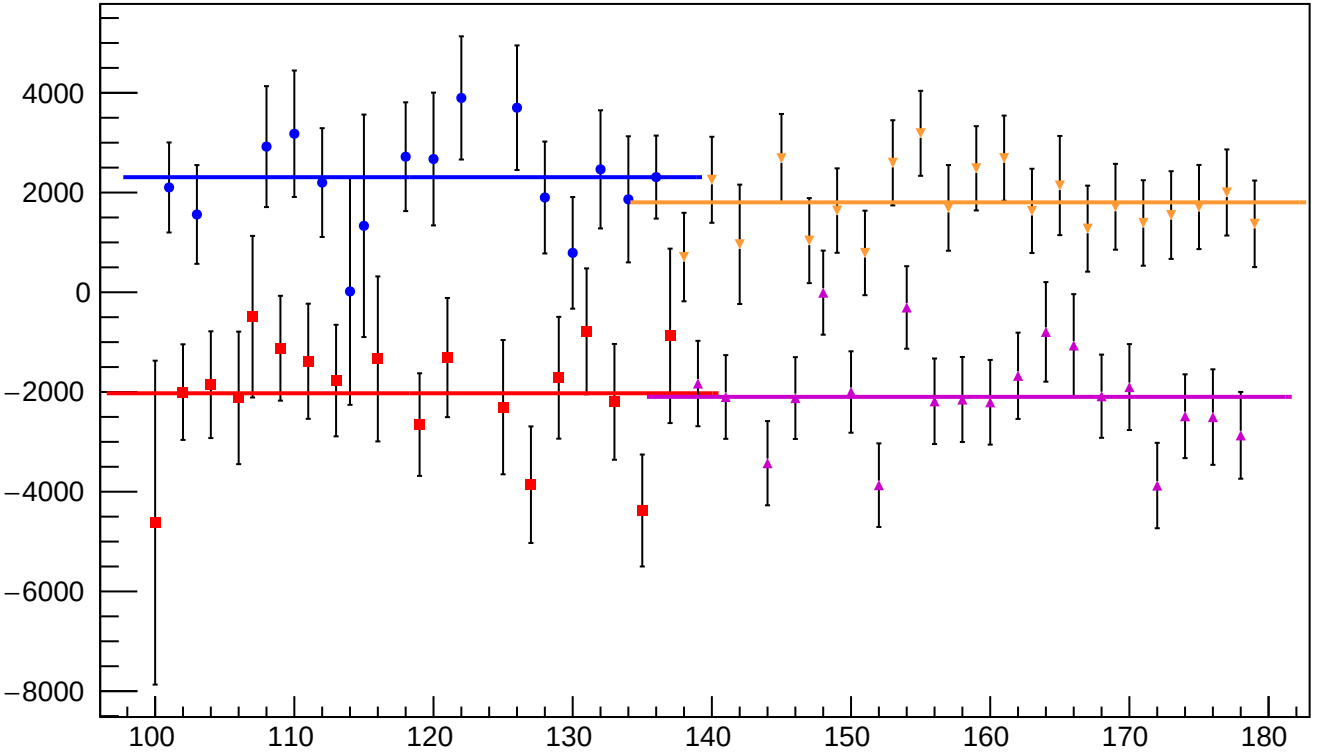
reg_asym_us_avg_mean vs Slug



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

Left Out: 1803.546+/-190.891 χ^2/NDF:12.0/20

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

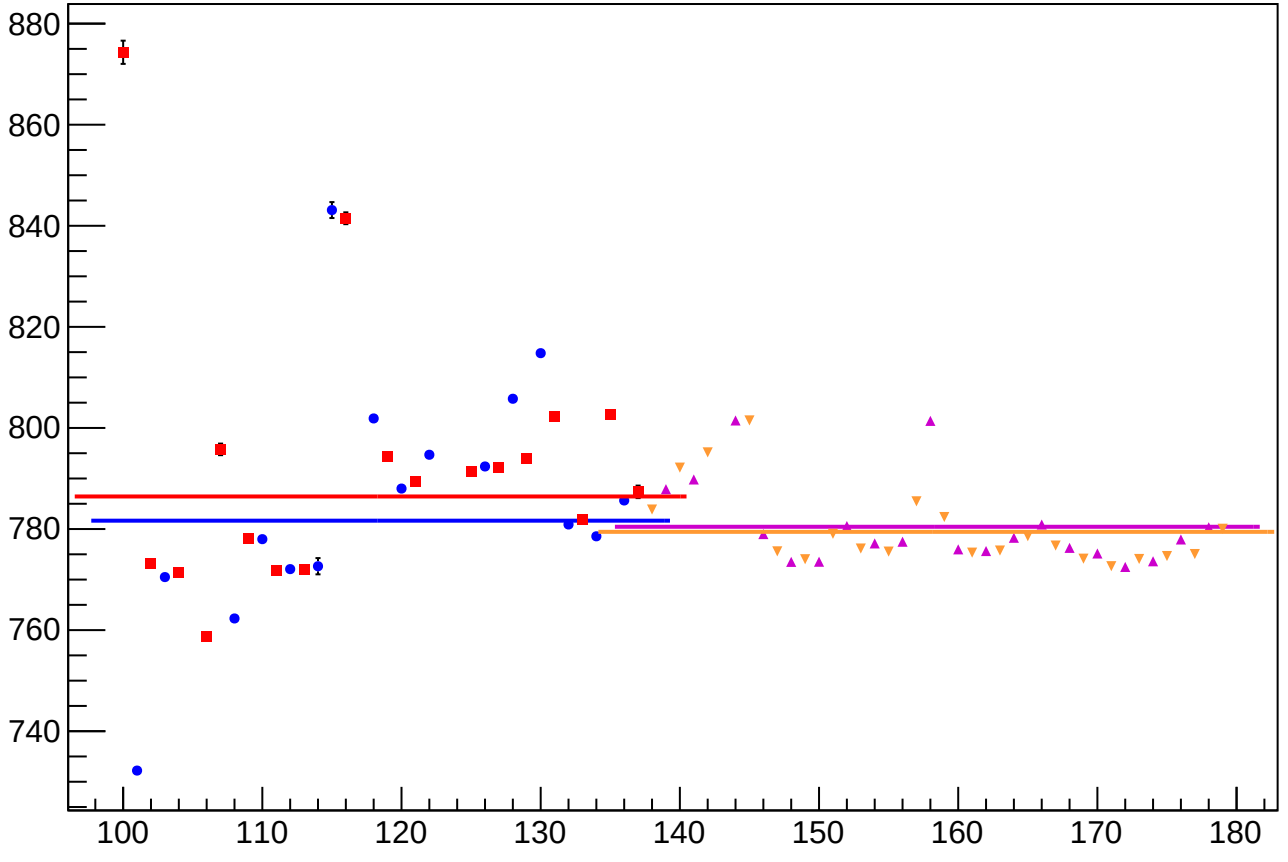
Left In: -2097.749+/-193.049 χ^2/NDF:26.4/19

\+ sign 1955.775+/-159.520 χ^2/NDF: 21.9/36

All: -45.485+/-113.200 χ^2/NDF: 377.3/74

\- sign -2075.581+/-160.665 χ^2/NDF: 38.4/37

reg_asym_us_avg_rms vs Slug



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

Left Out: 779.445+/-0.135 χ^2/NDF:2875.2/20

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

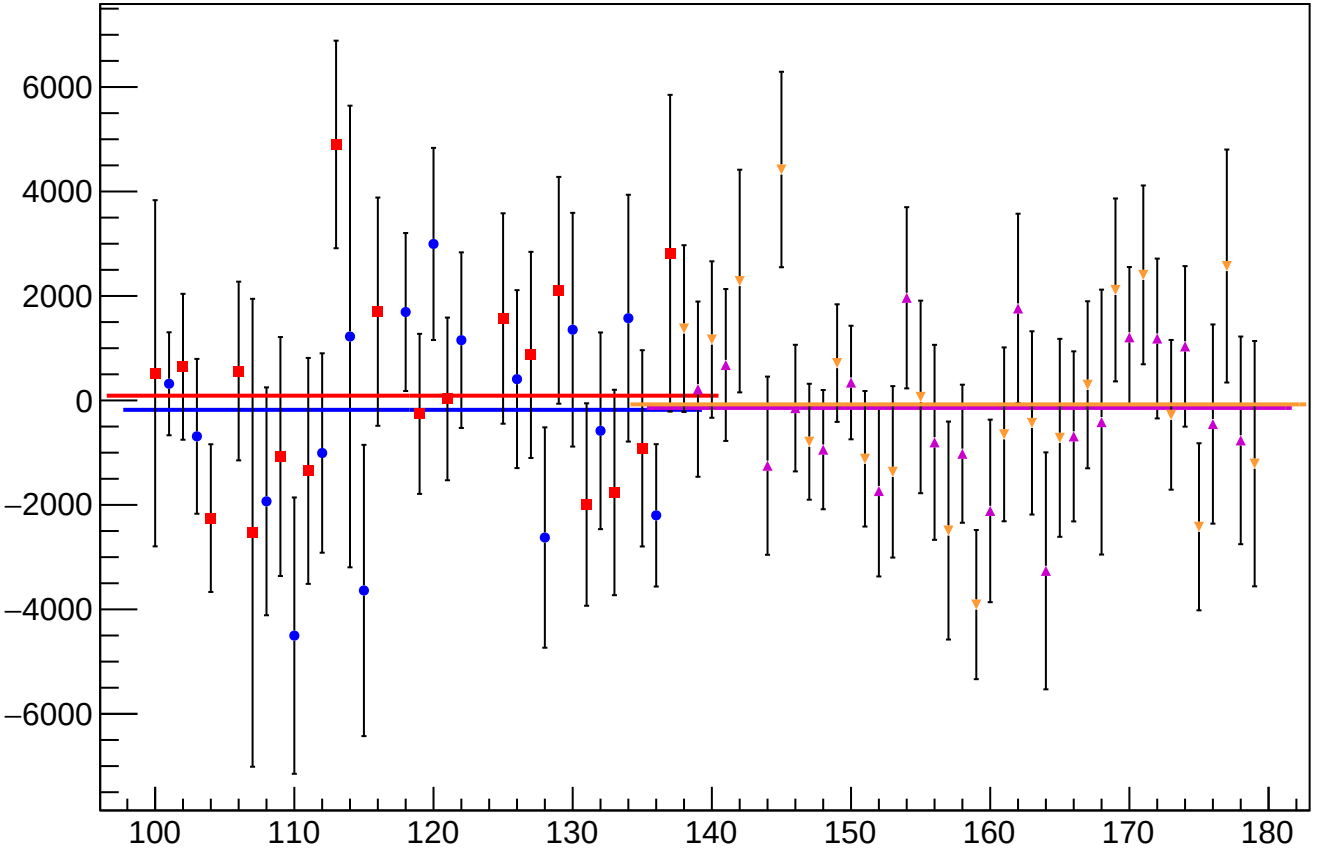
Left In: 780.448+/-0.137 χ^2/NDF:3756.5/19

+ sign 780.111+/-0.113 χ^2/NDF: 15275.1/36

All: 781.193+/-0.080 χ^2/NDF: 27011.4/74

- sign 782.291+/-0.114 χ^2/NDF: 11551.0/37

asym_us_avg_reg_correction_mean vs Slug



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

Left Out: -75.618+/-349.034 χ^2/NDF:27.0/20

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

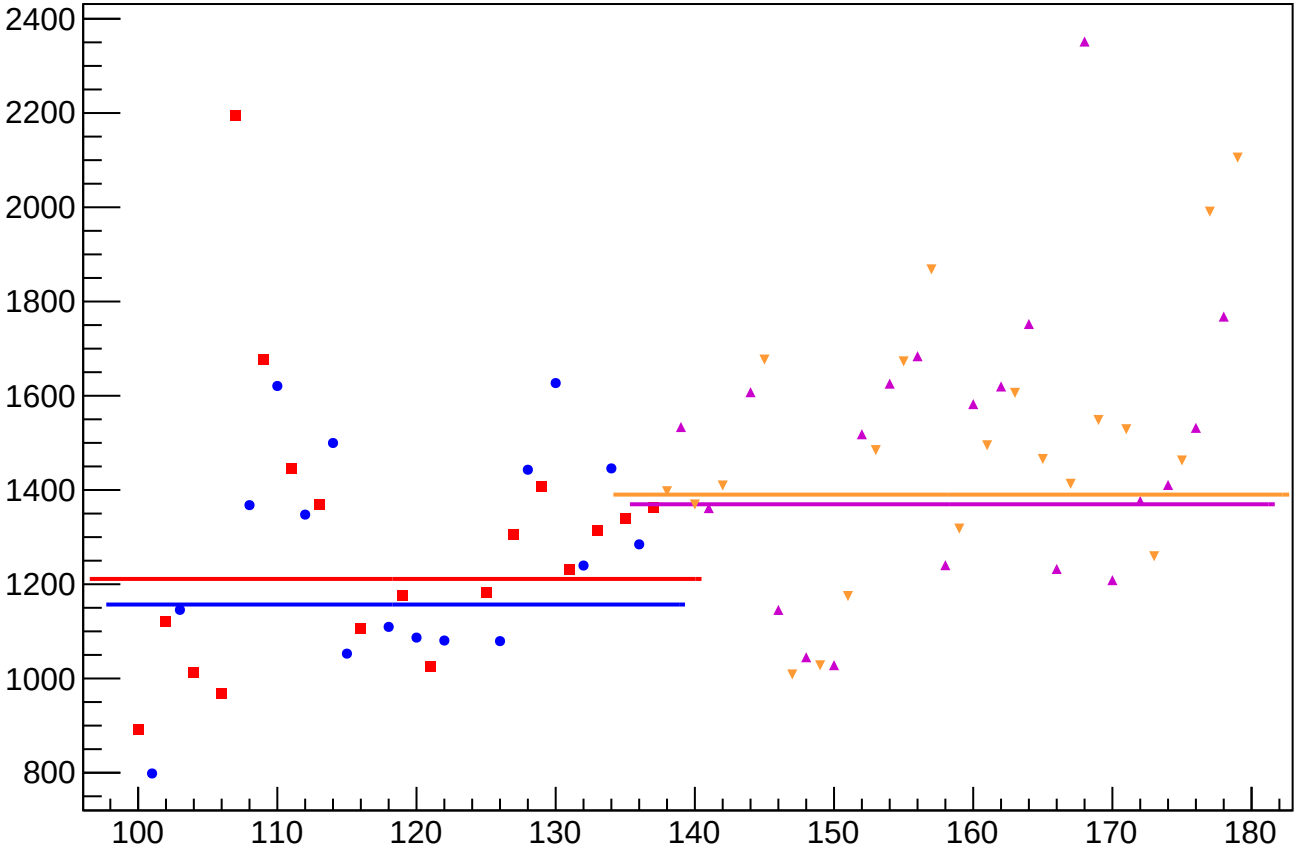
Left In: -143.420+/-346.628 χ^2/NDF:11.3/19

+ sign -115.819+/-273.631 χ^2/NDF: 42.5/36

All: -86.720+/-194.210 χ^2/NDF: 69.2/74

- sign -57.181+/-275.688 χ^2/NDF: 26.7/37

asym_us_avg_reg_correction_rms vs Slug



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

Left Out: 1390.232+/-0.247 χ^2/NDF:1132665.9/20

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

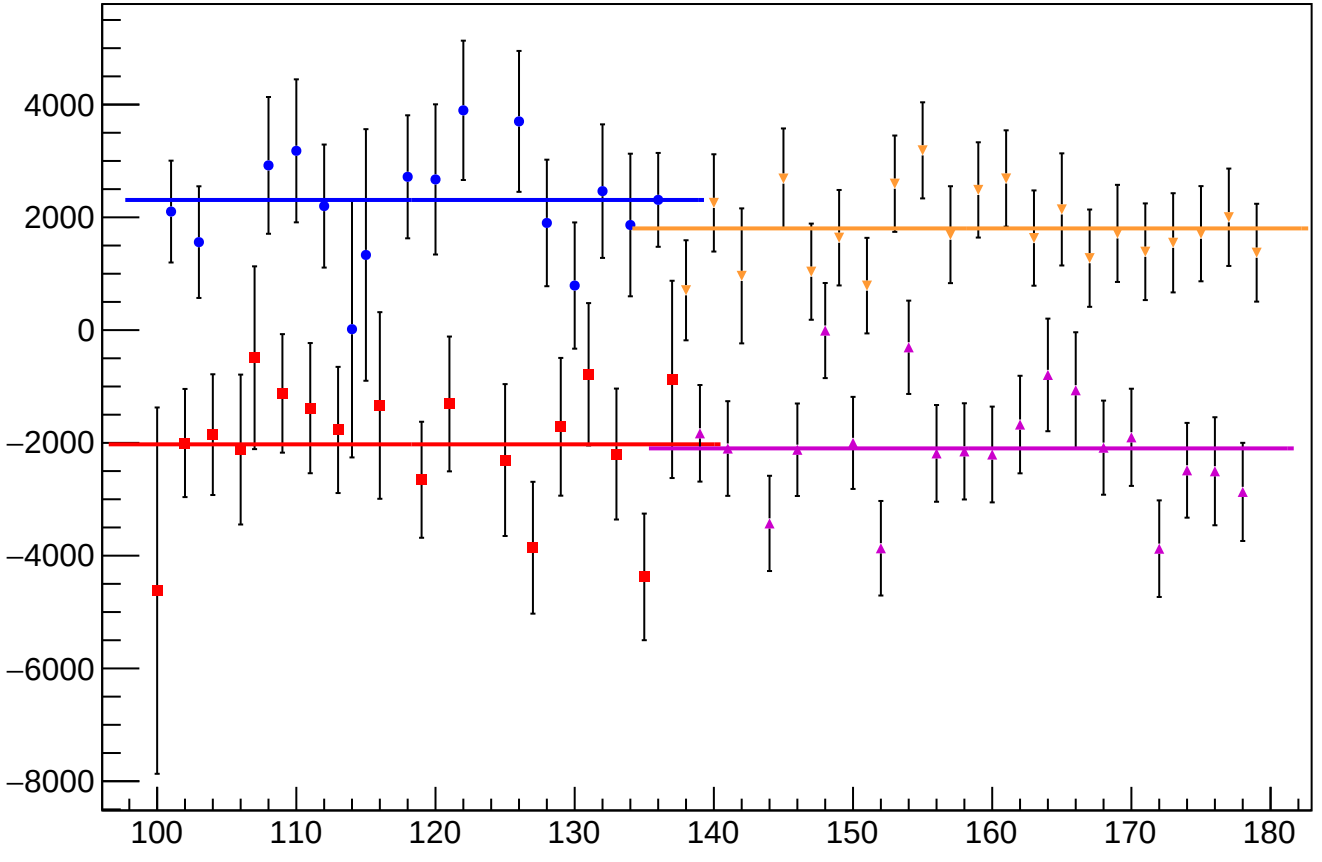
Left In: 1369.731+/-0.245 χ^2/NDF:1185106.5/19

+ sign 1300.326+/-0.193 χ^2/NDF: 2046112.4/36

All: 1305.874+/-0.137 χ^2/NDF: 3784178.0/74

- sign 1311.506+/-0.195 χ^2/NDF: 1736408.8/37

cor_asym_us_avg_mean vs Slug



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

Left Out: 1803.546+/-190.891 χ^2/NDF:12.0/20

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

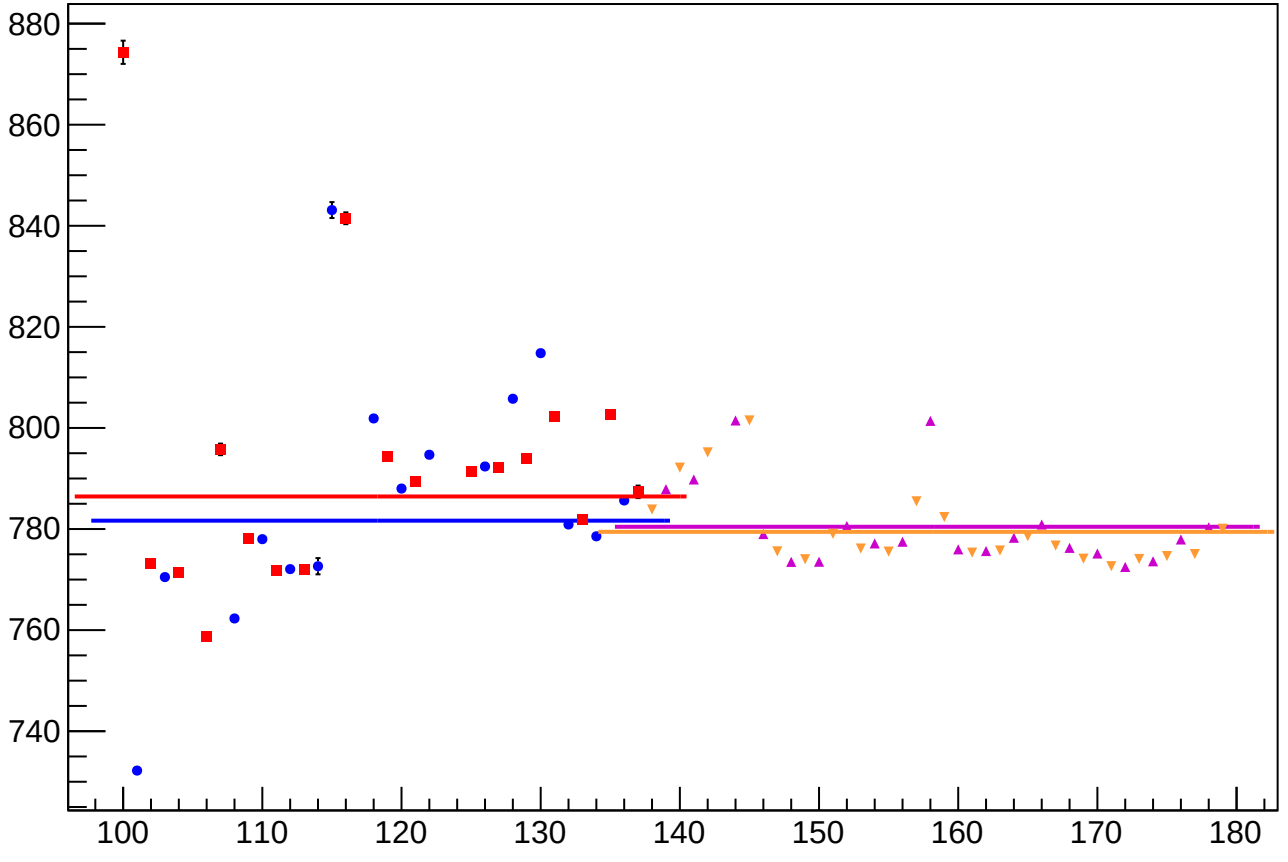
Left In: -2097.749+/-193.049 χ^2/NDF:26.4/19

+ sign 1955.775+/-159.520 χ^2/NDF: 21.9/36

All: -45.485+/-113.200 χ^2/NDF: 377.3/74

- sign -2075.581+/-160.665 χ^2/NDF: 38.4/37

cor_asym_us_avg_rms vs Slug



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

Left Out: 779.445+/-0.135 χ^2/NDF:2875.2/20

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

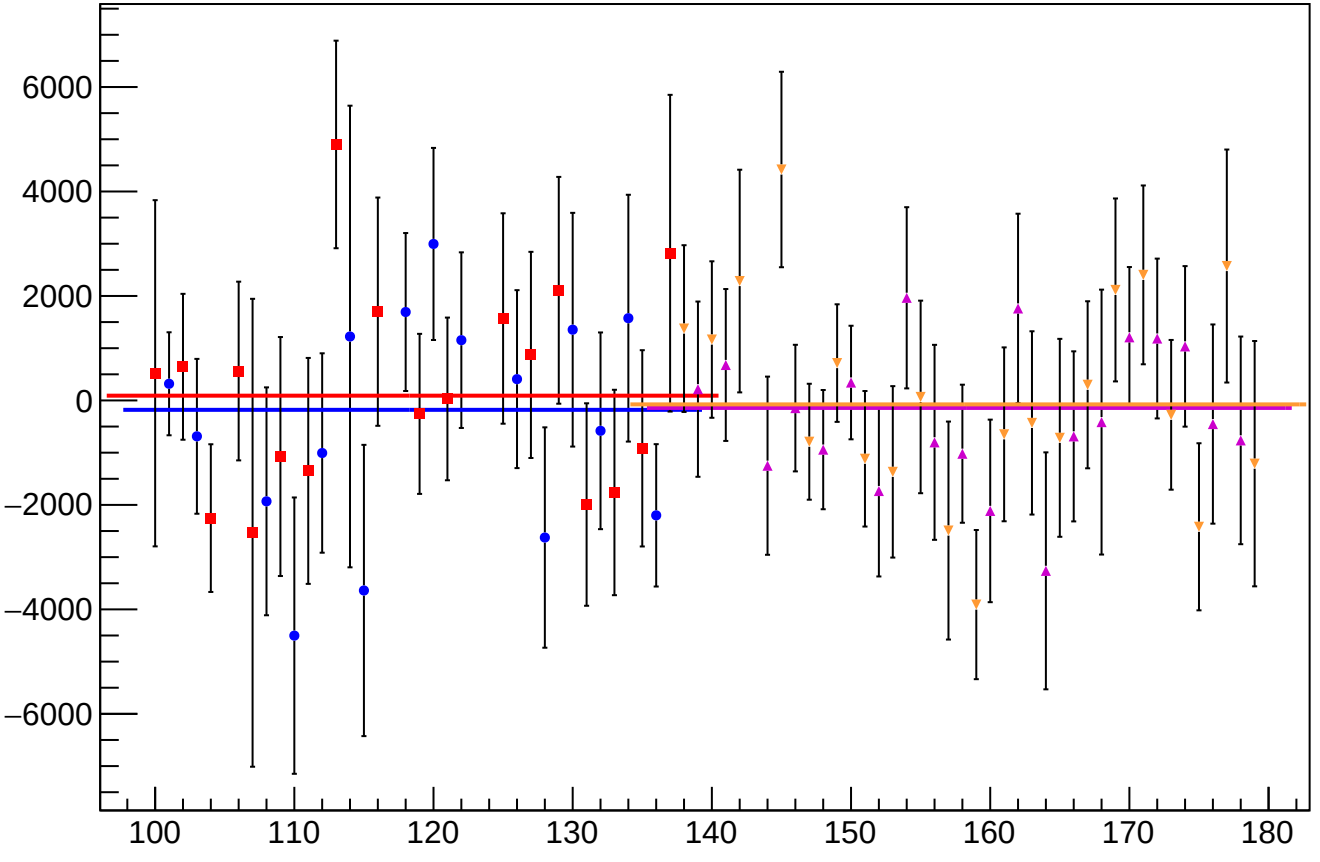
Left In: 780.448+/-0.137 χ^2/NDF:3756.5/19

+ sign 780.111+/-0.113 χ^2/NDF: 15275.1/36

All: 781.193+/-0.080 χ^2/NDF: 27011.4/74

- sign 782.291+/-0.114 χ^2/NDF: 11551.0/37

asym_us_avg_cor_correction_mean vs Slug



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

Left Out: -75.618+/-349.034 χ^2/NDF:27.0/20

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

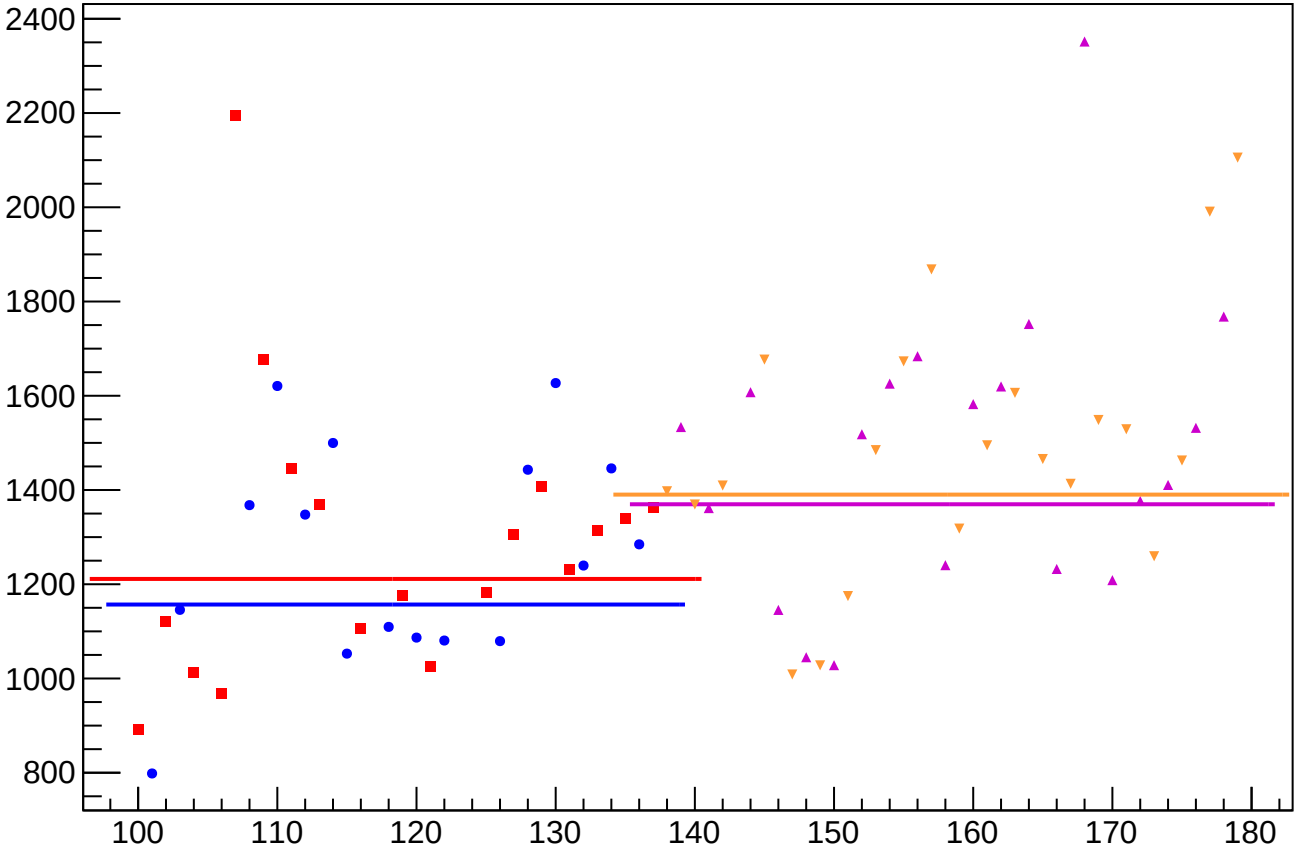
Left In: -143.420+/-346.628 χ^2/NDF:11.3/19

+ sign -115.819+/-273.631 χ^2/NDF: 42.5/36

All: -86.720+/-194.210 χ^2/NDF: 69.2/74

- sign -57.181+/-275.688 χ^2/NDF: 26.7/37

asym_us_avg_cor_correction_rms vs Slug



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

Left Out: 1390.232+/-0.247 χ^2/NDF:1132665.9/20

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

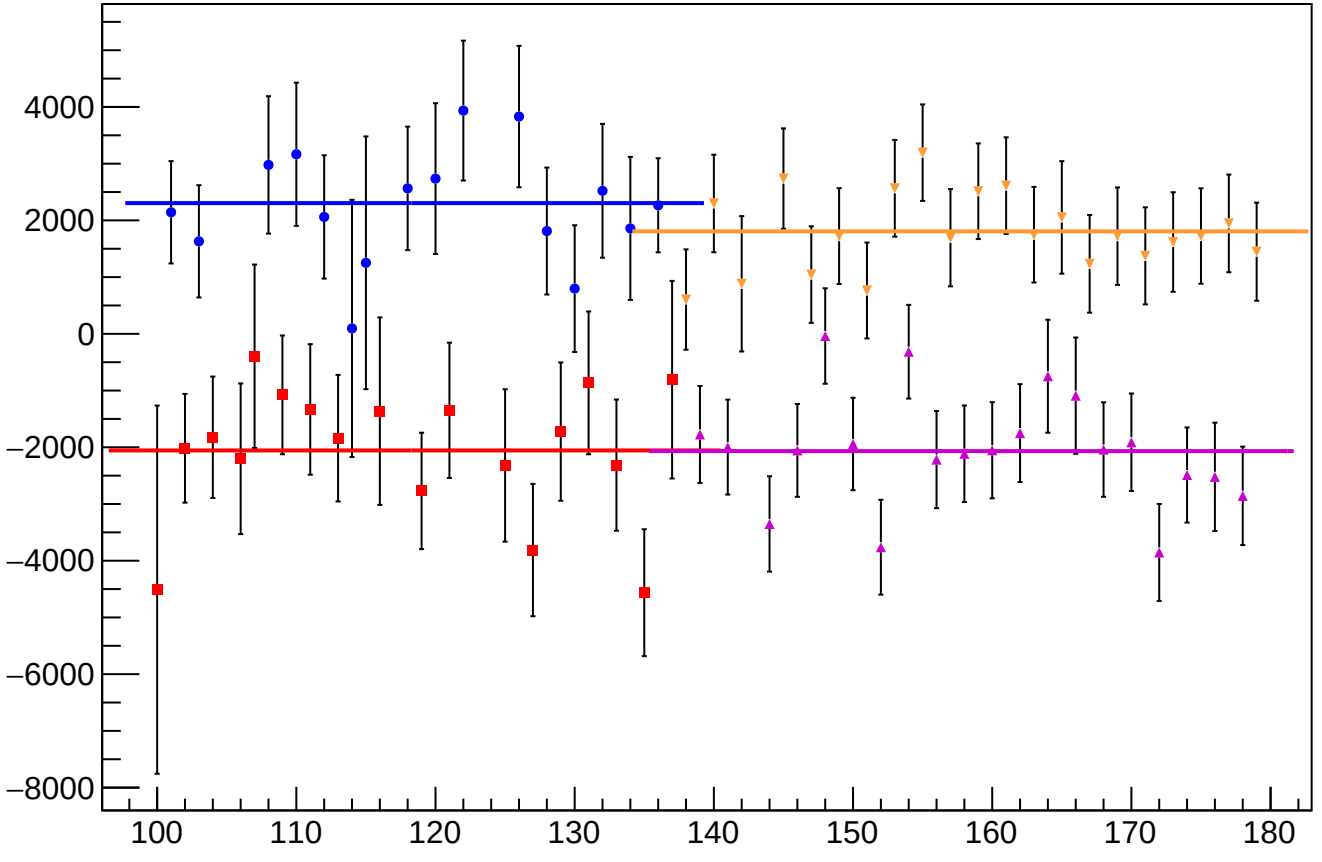
Left In: 1369.731+/-0.245 χ^2/NDF:1185106.5/19

+ sign 1300.326+/-0.193 χ^2/NDF: 2046112.4/36

All: 1305.874+/-0.137 χ^2/NDF: 3784178.0/74

- sign 1311.506+/-0.195 χ^2/NDF: 1736408.8/37

overload_cor_asym_us_avg_mean vs Slug



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

Left Out: 1806.490+/-190.382 χ^2/NDF:12.3/20

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

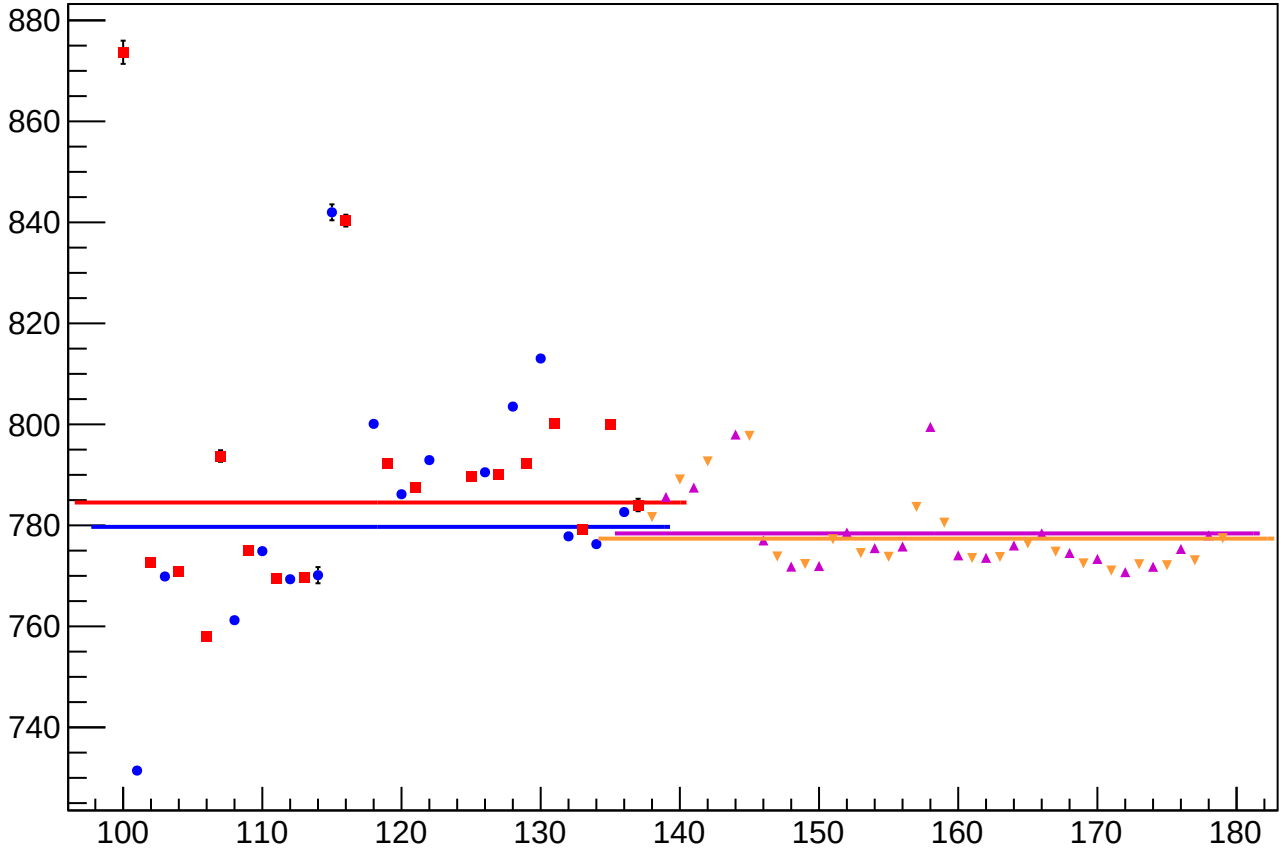
Left In: -2067.264+/-192.543 χ^2/NDF:25.4/19

+ sign 1956.800+/-159.102 χ^2/NDF: 22.5/36

All: -38.968+/-112.907 χ^2/NDF: 377.8/74

- sign -2063.700+/-160.252 χ^2/NDF: 38.3/37

overload_cor_asym_us_avg_rms vs Slug



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

Left Out: 777.374+/-0.135 χ^2/NDF:2569.5/20

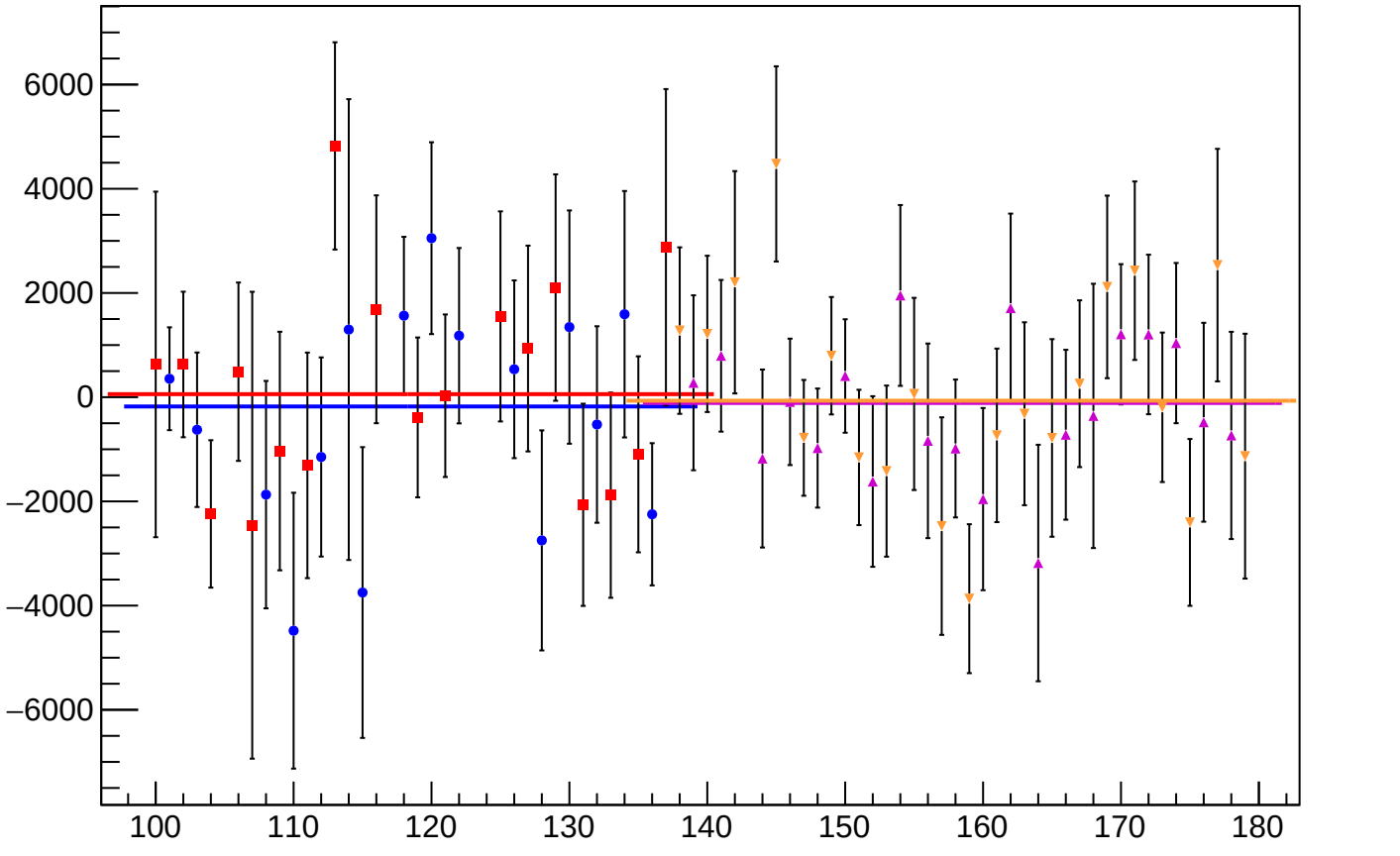
Right Out: 784.524+/-0.204 χ^2/NDF: 7160.0/17

Left In: 778.404+/-0.136 χ^2/NDF:3531.7/19

+ sign 778.076+/-0.113 χ^2/NDF: 14719.9/36

All: 779.173+/-0.080 χ^2/NDF: 26223.9/74

- sign 780.285+/-0.113 χ^2/NDF: 11312.7/37



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

Left Out: -67.610+/-349.348 χ^2/NDF:27.0/20

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

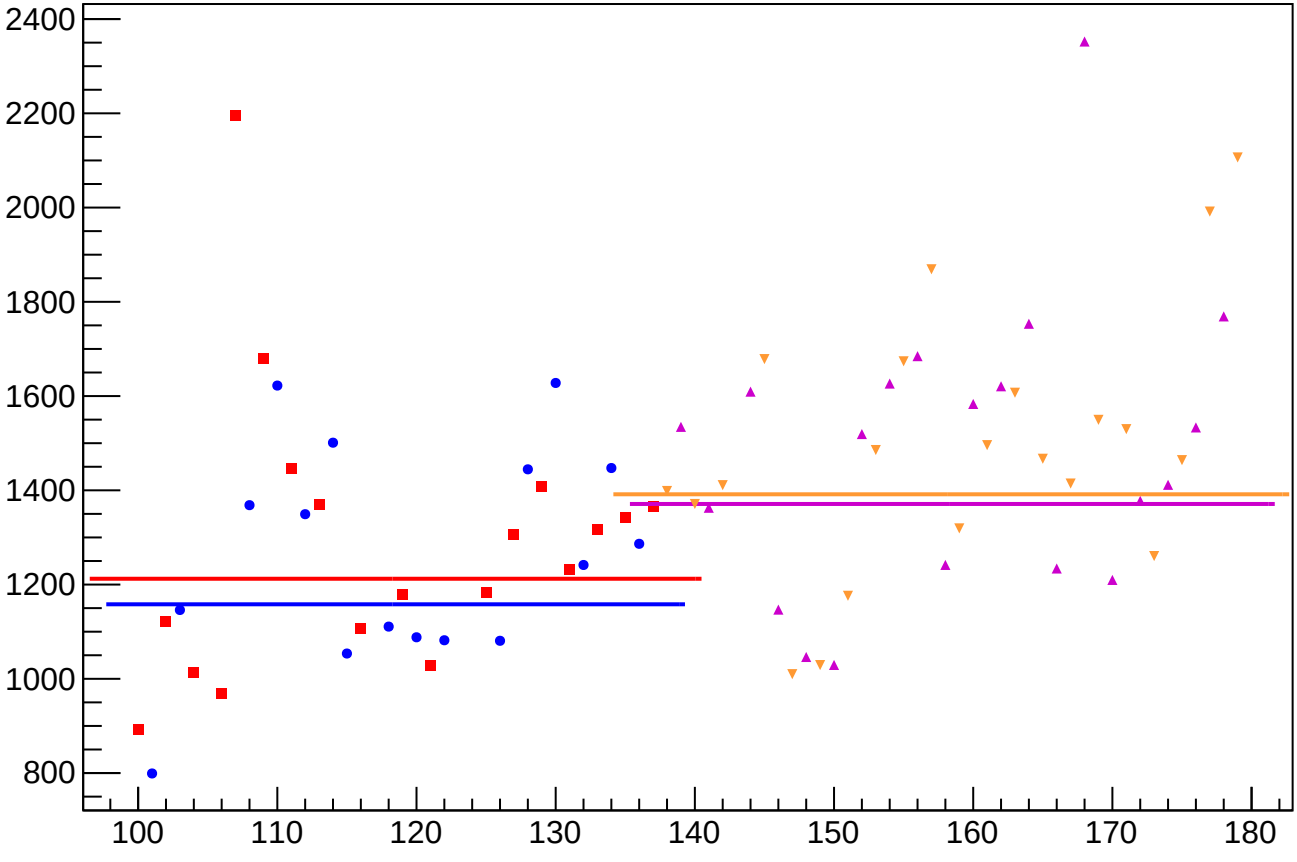
Left In: -110.799+/-346.938 χ^2/NDF:11.0/19

+ sign -110.324+/-273.889 χ^2/NDF: 42.7/36

All: -79.772+/-194.388 χ^2/NDF: 69.1/74

- sign -48.762+/-275.934 χ^2/NDF: 26.3/37

asym_us_avg_overload_cor_correction_rms vs Slug



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

Left Out: 1391.570+/-0.247 χ^2/NDF:1129811.8/20

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

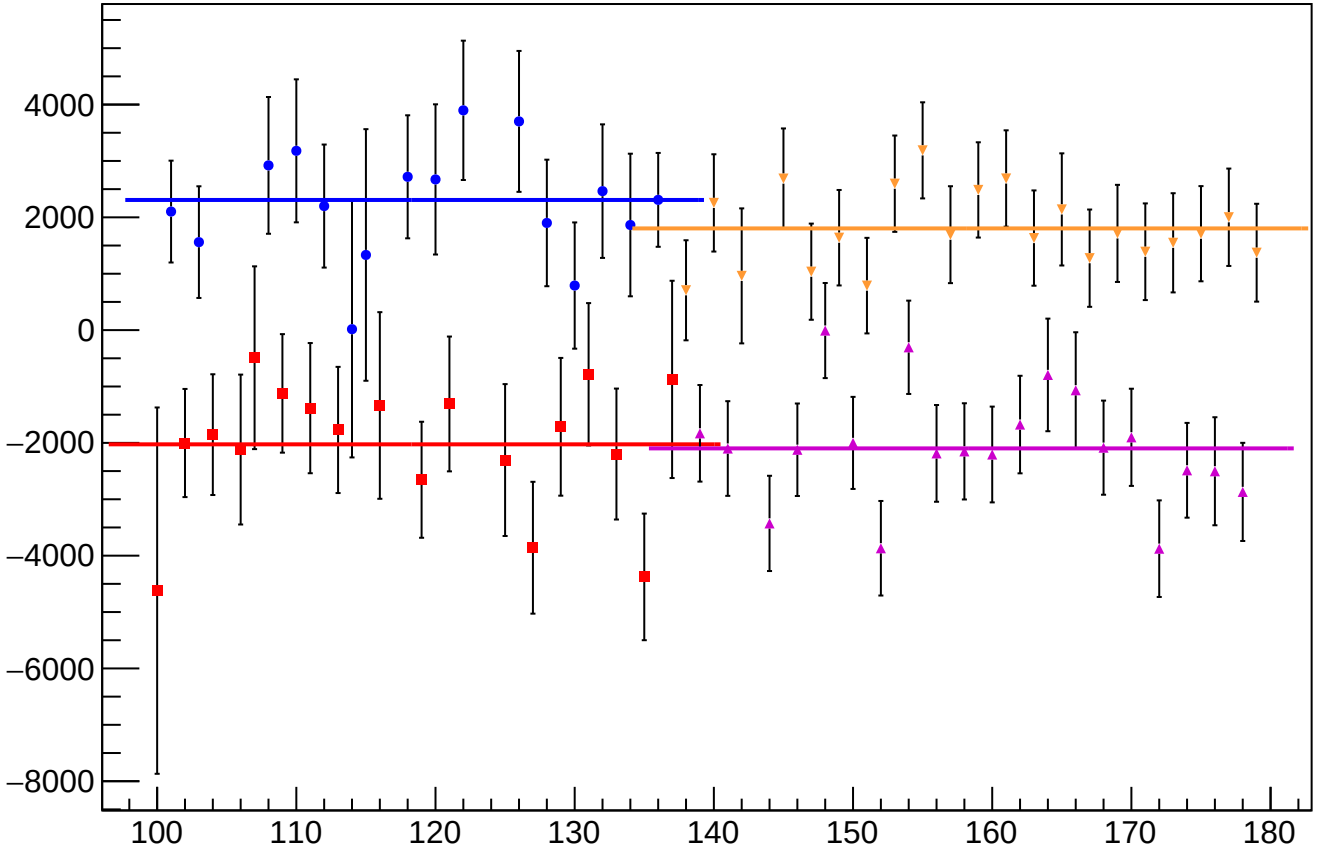
Left In: 1371.028+/-0.245 χ^2/NDF:1182449.6/19

+ sign 1301.617+/-0.194 χ^2/NDF: 2043064.2/36

All: 1307.129+/-0.137 χ^2/NDF: 3778813.6/74

- sign 1312.724+/-0.195 χ^2/NDF: 1734117.2/37

eigen_cor_asym_us_avg_mean vs Slug



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

Left Out: 1803.546+/-190.891 χ^2/NDF:12.0/20

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

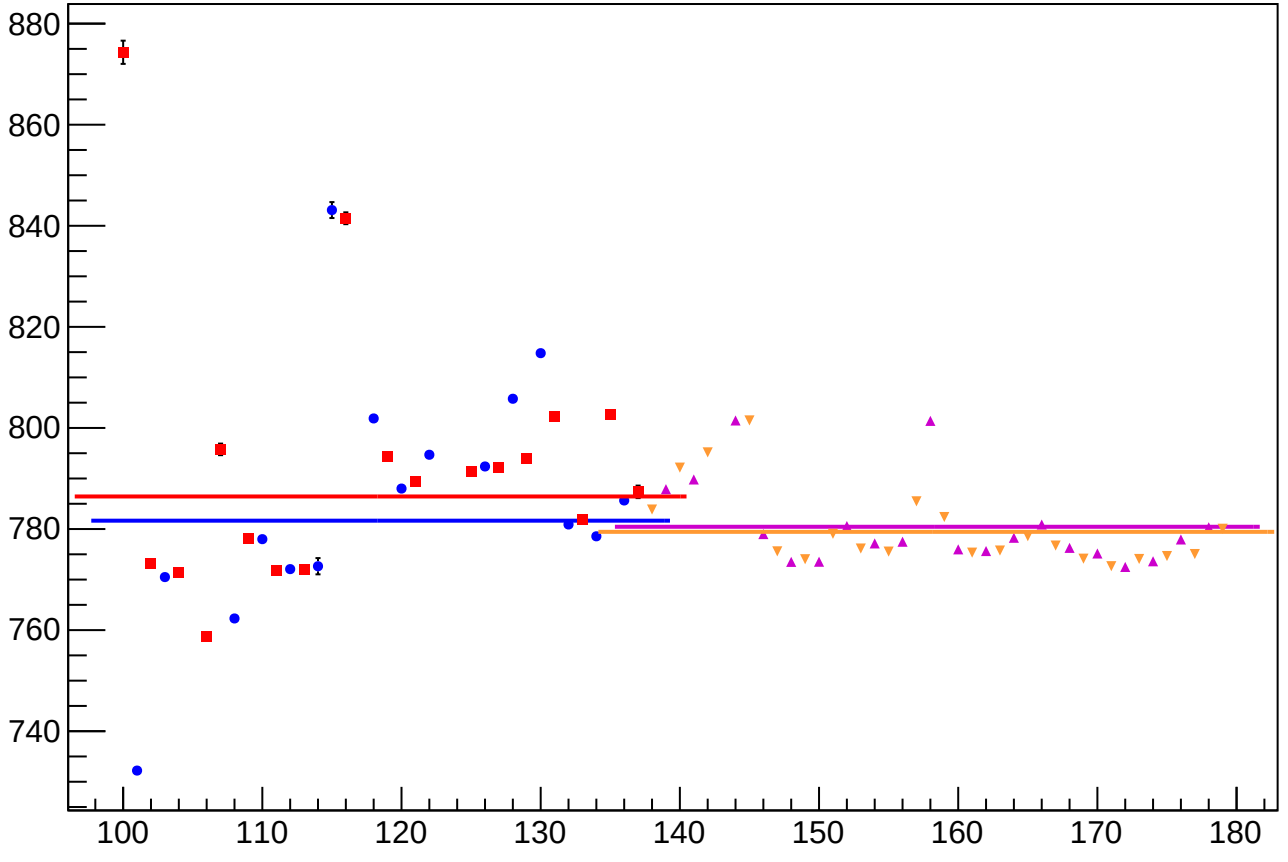
Left In: -2097.749+/-193.049 χ^2/NDF:26.4/19

+ sign 1955.775+/-159.520 χ^2/NDF: 21.9/36

All: -45.485+/-113.200 χ^2/NDF: 377.3/74

- sign -2075.581+/-160.665 χ^2/NDF: 38.4/37

eigen_cor_asym_us_avg_rms vs Slug



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

Left Out: 779.445+/-0.135 χ^2/NDF:2875.2/20

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

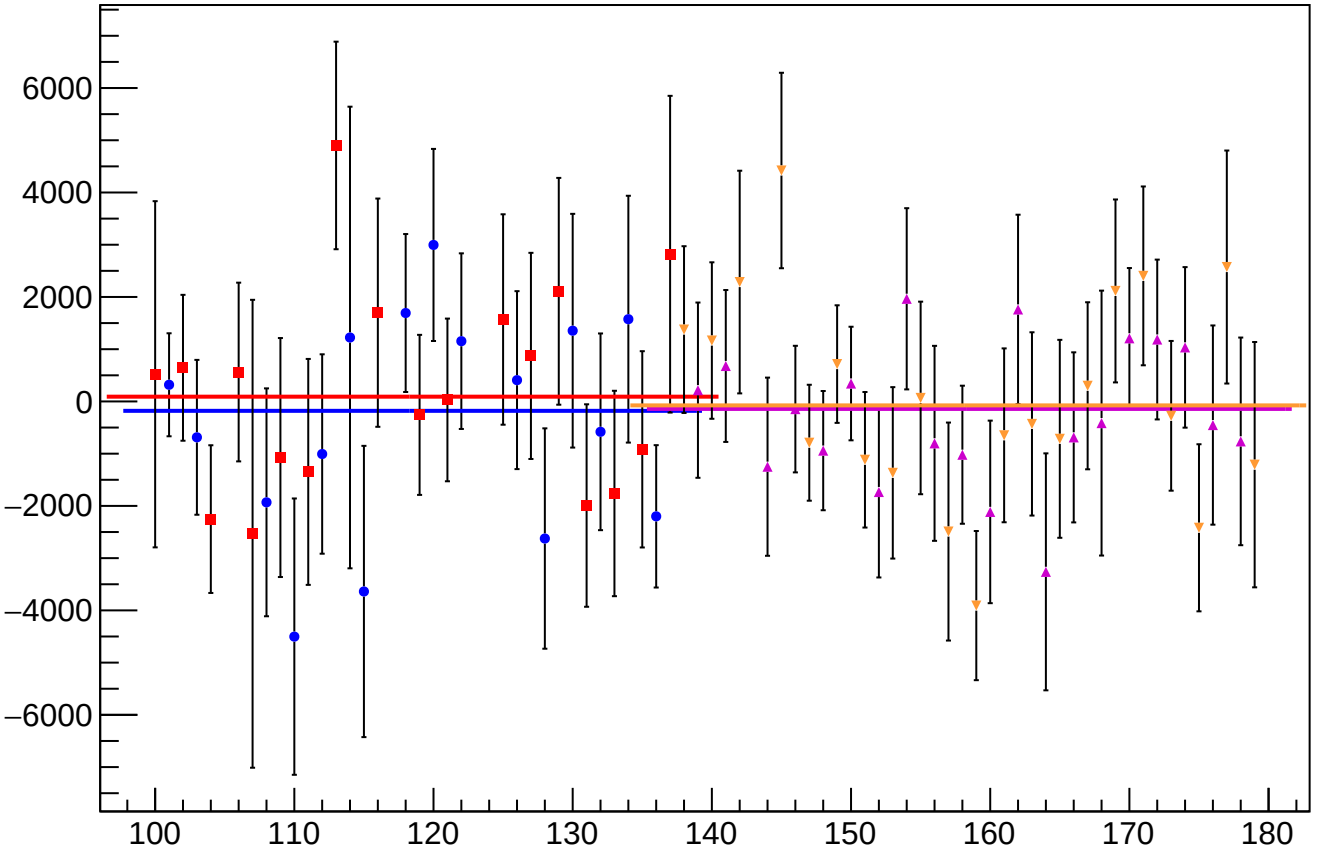
Left In: 780.448+/-0.137 χ^2/NDF:3756.5/19

+ sign 780.111+/-0.113 χ^2/NDF: 15275.1/36

All: 781.193+/-0.080 χ^2/NDF: 27011.4/74

- sign 782.291+/-0.114 χ^2/NDF: 11551.0/37

asym_us_avg_eigen_cor_correction_mean vs Slug



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

Left Out: -75.618+/-349.034 χ^2/NDF:27.0/20

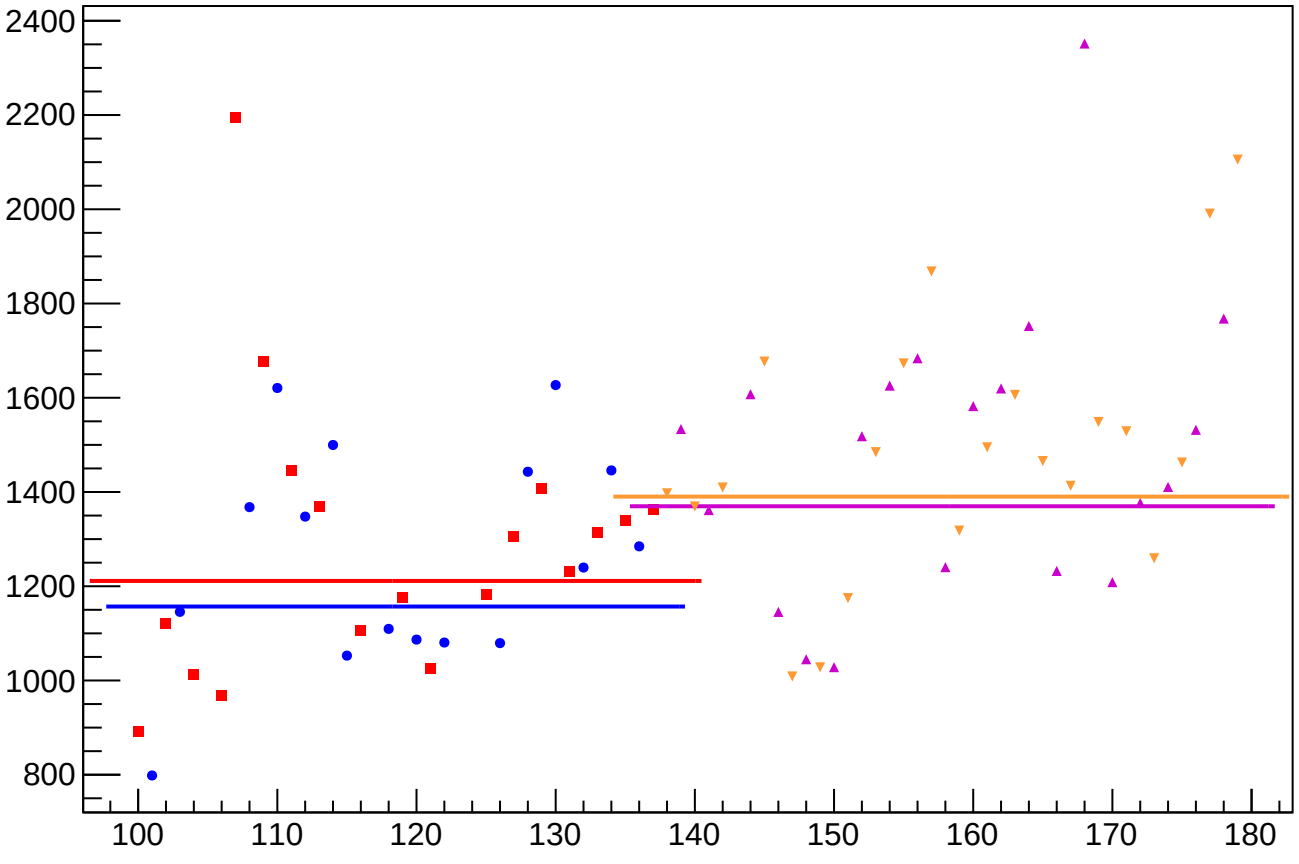
Right Out: 91.288+/-454.811 χ^2/NDF: 15.2/17

Left In: -143.420+/-346.628 χ^2/NDF:11.3/19

+ sign -115.819+/-273.631 χ^2/NDF: 42.5/36

All: -86.720+/-194.210 χ^2/NDF: 69.2/74

- sign -57.181+/-275.688 χ^2/NDF: 26.7/37



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

Left Out: 1390.232+/-0.247 χ^2/NDF:1132665.9/20

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

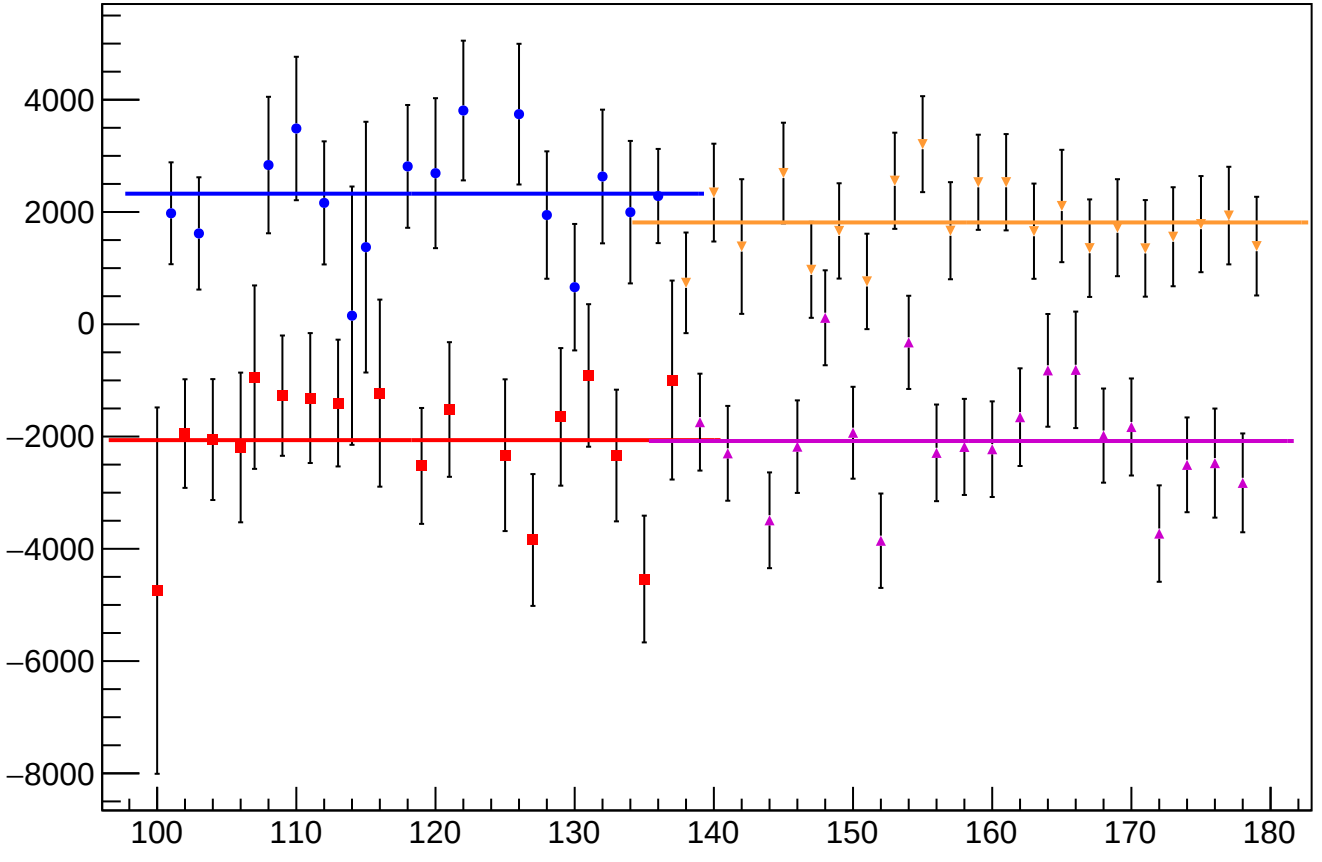
Left In: 1369.731+/-0.245 χ^2/NDF:1185106.5/19

+ sign 1300.326+/-0.193 χ^2/NDF: 2046112.4/36

All: 1305.874+/-0.137 χ^2/NDF: 3784178.0/74

- sign 1311.506+/-0.195 χ^2/NDF: 1736408.8/37

dit_asym_us_avg_mean vs Slug



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

Left Out: 1813.979+/-191.988 χ^2/NDF:11.3/20

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

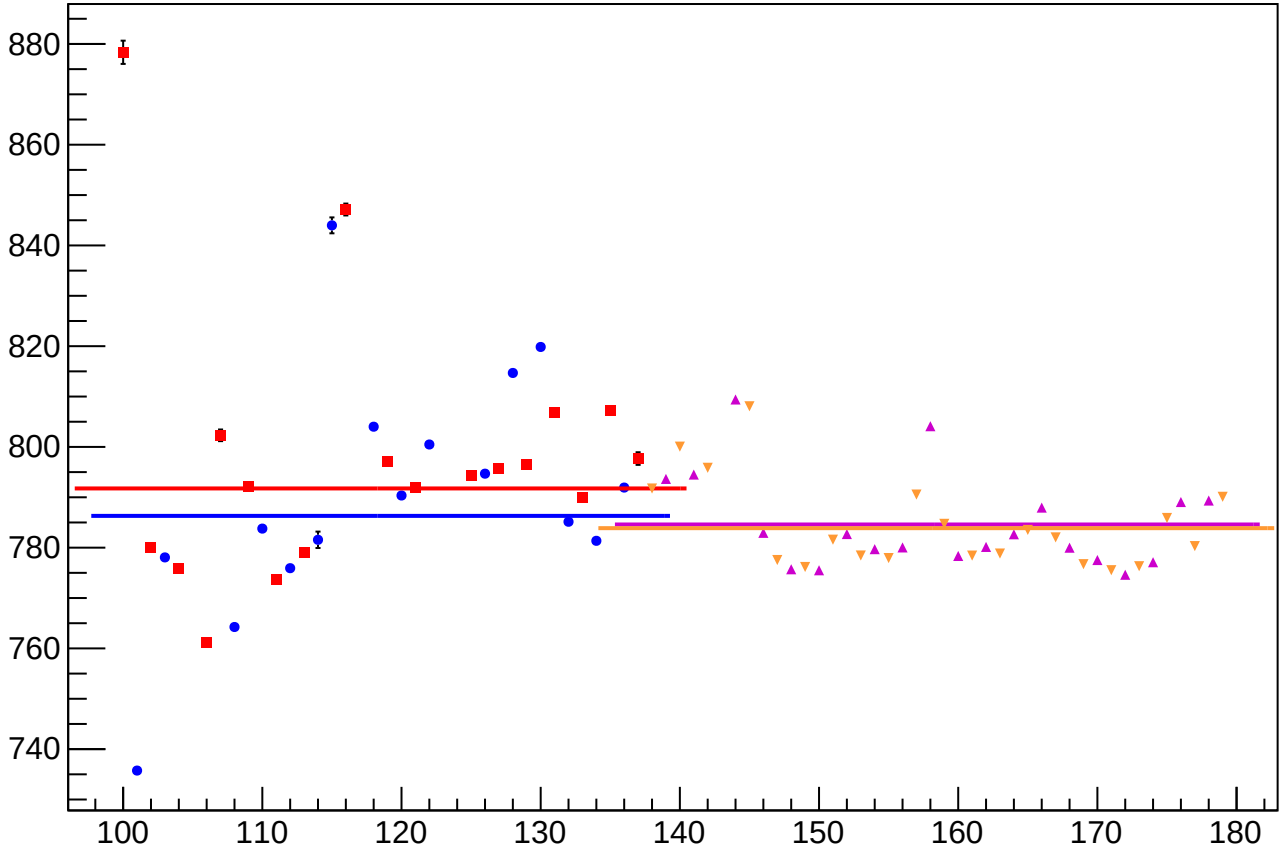
Left In: -2079.622+/-194.085 χ^2/NDF:27.0/19

+ sign 1968.517+/-160.449 χ^2/NDF: 21.6/36

All: -38.681+/-113.860 χ^2/NDF: 375.5/74

- sign -2074.823+/-161.601 χ^2/NDF: 38.6/37

dit_asym_us_avg_rms vs Slug



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

Left Out: 783.871+/-0.136 χ^2/NDF:3864.5/20

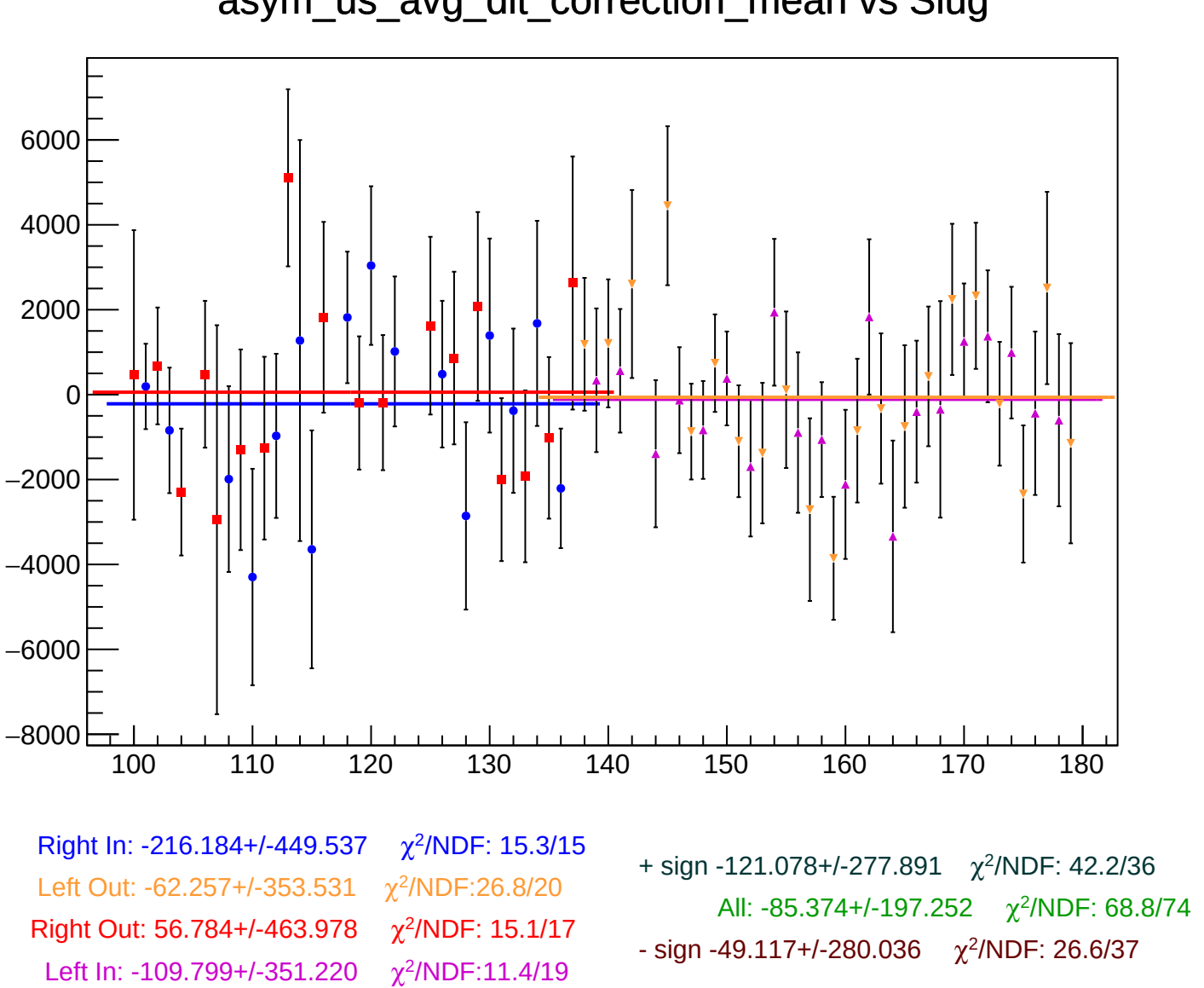
Right Out: 791.756+/-0.206 χ^2/NDF: 7015.1/17

Left In: 784.599+/-0.137 χ^2/NDF:4748.1/19

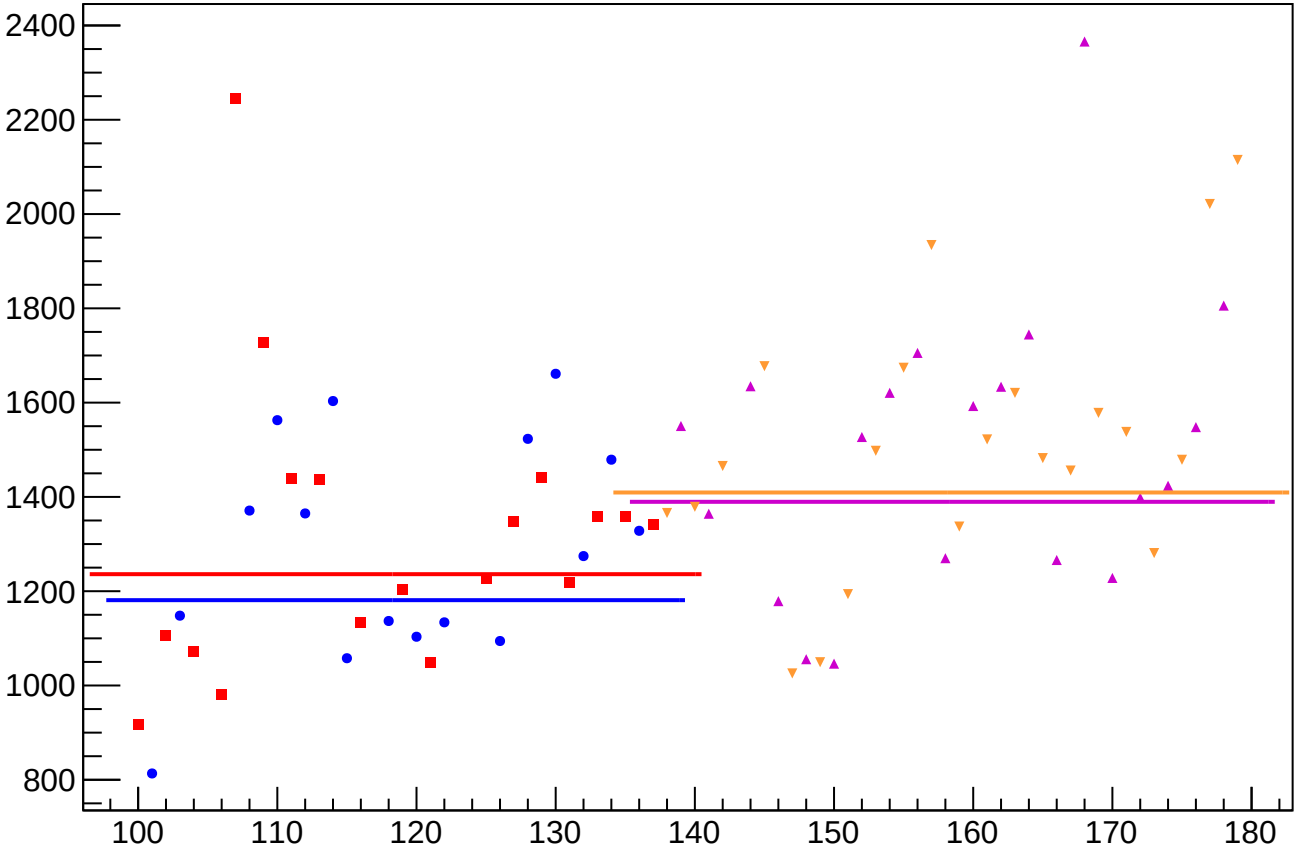
+ sign 784.606+/-0.113 χ^2/NDF: 16532.9/36

All: 785.692+/-0.081 χ^2/NDF: 29315.1/74

- sign 786.794+/-0.114 χ^2/NDF: 12597.5/37


asym_us_avg_dit_correction_mean vs Slug
6000
4000
2000
0
−2000
−4000
−6000
−8000
100
110
120
130
140
150
160
170
180
Right In: -216.184+/-449.537 χ²/NDF: 15.3/15
Left Out: -62.257+/-353.531 χ²/NDF:26.8/20
Right Out: 56.784+/-463.978 χ²/NDF: 15.1/17
Left In: -109.799+/-351.220 χ²/NDF:11.4/19
+ sign -121.078+/-277.891 χ²/NDF: 42.2/36
All: -85.374+/-197.252 χ²/NDF: 68.8/74
- sign -49.117+/-280.036 χ²/NDF: 26.6/37

asym_us_avg_dit_correction_rms vs Slug



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

Left Out: 1409.405+/-0.250 χ^2/NDF:1112044.3/20

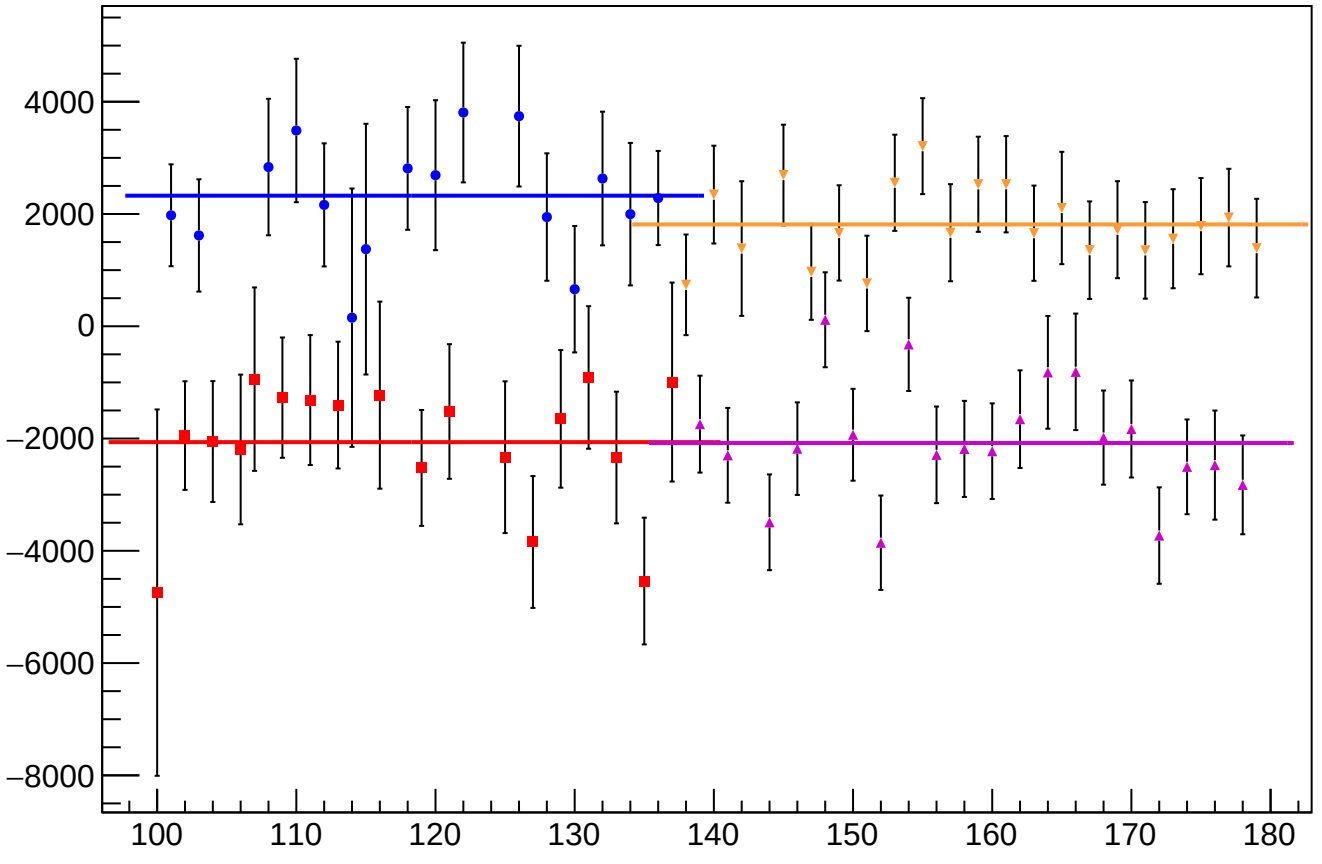
Right Out: 1236.134+/-0.328 χ^2/NDF: 397242.2/17

Left In: 1389.615+/-0.248 χ^2/NDF:1139992.3/19

+ sign 1322.123+/-0.196 χ^2/NDF: 2002169.1/36

All: 1327.870+/-0.139 χ^2/NDF: 3680254.1/74

- sign 1333.705+/-0.198 χ^2/NDF: 1676361.1/37



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

Left Out: 1813.976+/-191.988 χ^2/NDF:11.3/20

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

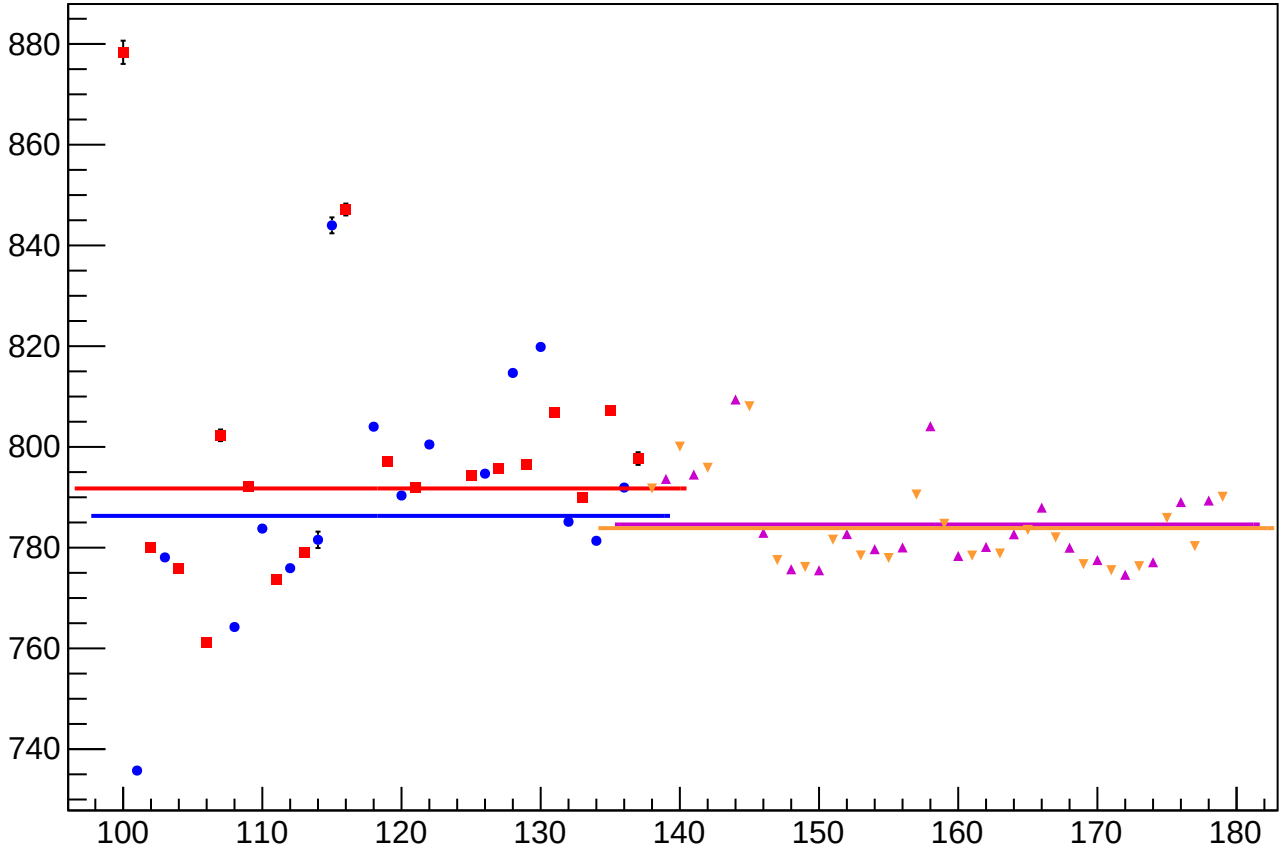
Left In: -2079.623+/-194.085 χ^2/NDF:27.0/19

+ sign 1968.515+/-160.449 χ^2/NDF: 21.6/36

All: -38.683+/-113.860 χ^2/NDF: 375.5/74

- sign -2074.823+/-161.601 χ^2/NDF: 38.6/37

eigen_dit_asym_us_avg_rms vs Slug



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

Left Out: 783.871+/-0.136 χ^2/NDF:3864.5/20

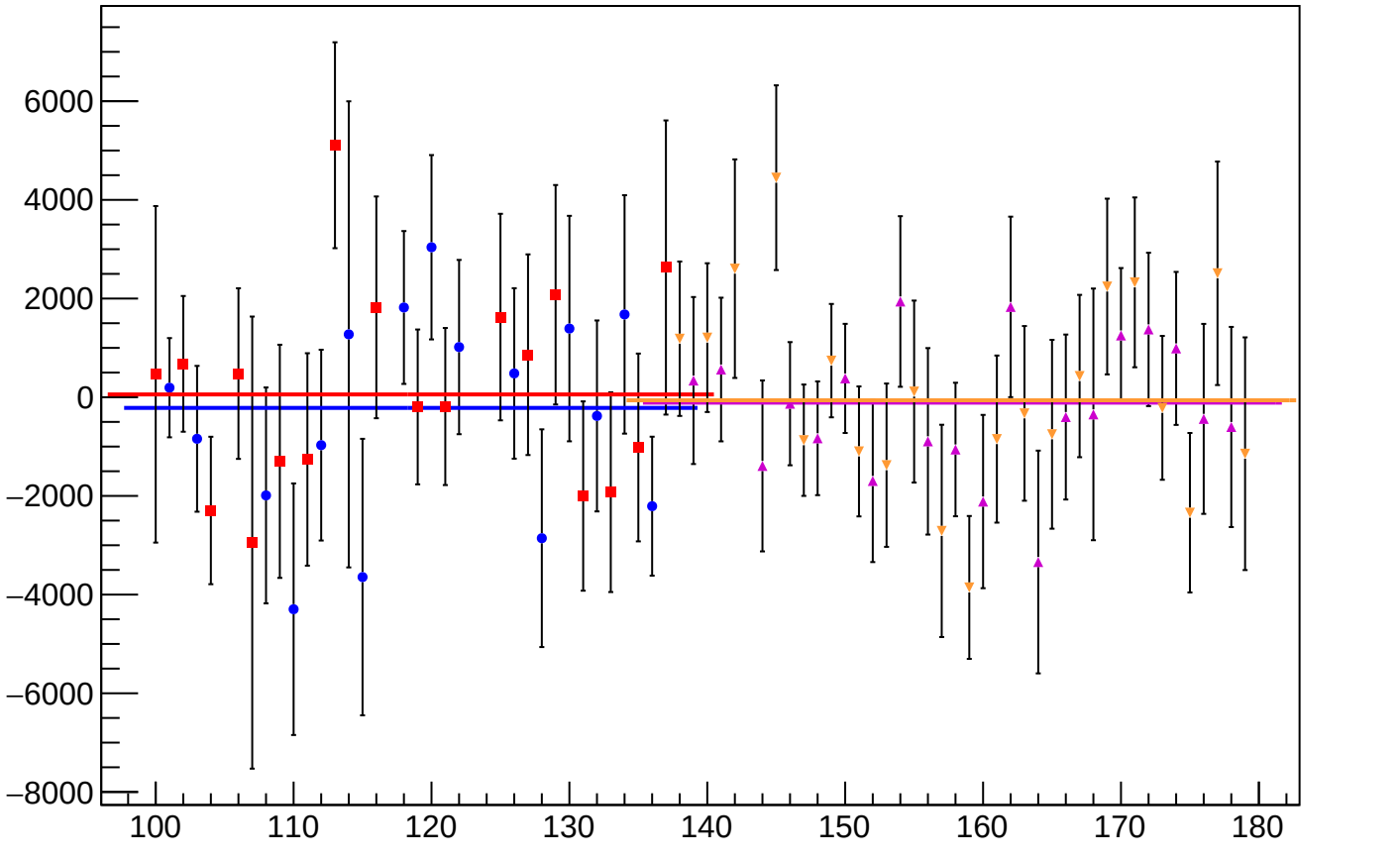
Right Out: 791.756+/-0.206 χ^2/NDF: 7015.1/17

Left In: 784.599+/-0.137 χ^2/NDF:4748.1/19

+ sign 784.606+/-0.113 χ^2/NDF: 16532.9/36

All: 785.692+/-0.081 χ^2/NDF: 29315.0/74

- sign 786.794+/-0.114 χ^2/NDF: 12597.4/37



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

Left Out: -62.260+/-353.532 χ^2/NDF:26.8/20

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

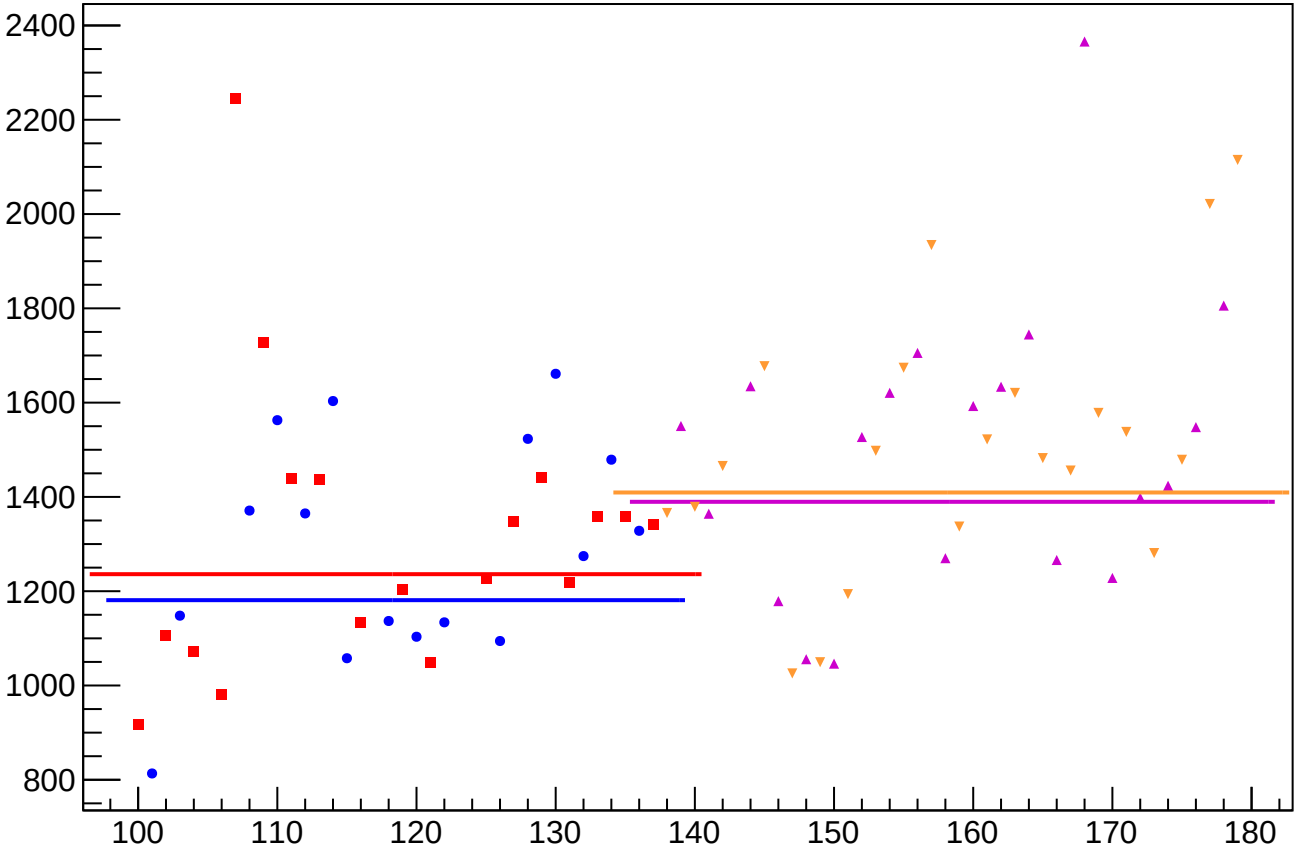
Left In: -109.800+/-351.221 χ^2/NDF:11.4/19

+ sign -121.080+/-277.891 χ^2/NDF: 42.2/36

All: -85.375+/-197.252 χ^2/NDF: 68.8/74

- sign -49.117+/-280.036 χ^2/NDF: 26.6/37

asym_us_avg_eigen_dit_correction_rms vs Slug



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

Left Out: 1409.408+/-0.250 χ^2/NDF:1112045.5/20

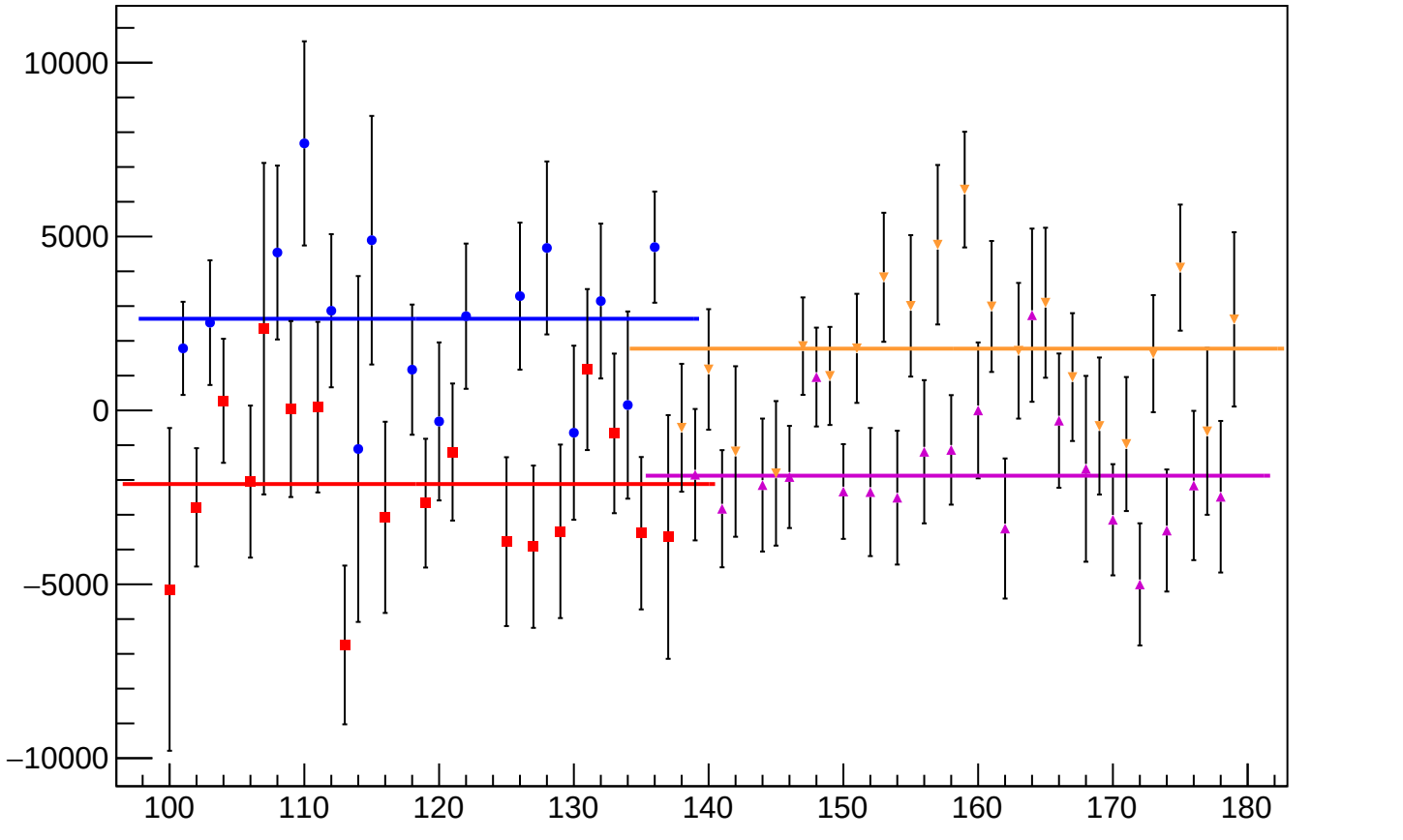
Right Out: 1236.131+/-0.328 χ^2/NDF: 397240.7/17

Left In: 1389.618+/-0.248 χ^2/NDF:1139992.8/19

+ sign 1322.123+/-0.196 χ^2/NDF: 2002184.3/36

All: 1327.870+/-0.139 χ^2/NDF: 3680279.5/74

- sign 1333.706+/-0.198 χ^2/NDF: 1676371.3/37



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

Left Out: 1776.247+/-404.795 χ^2/NDF:24.3/20

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

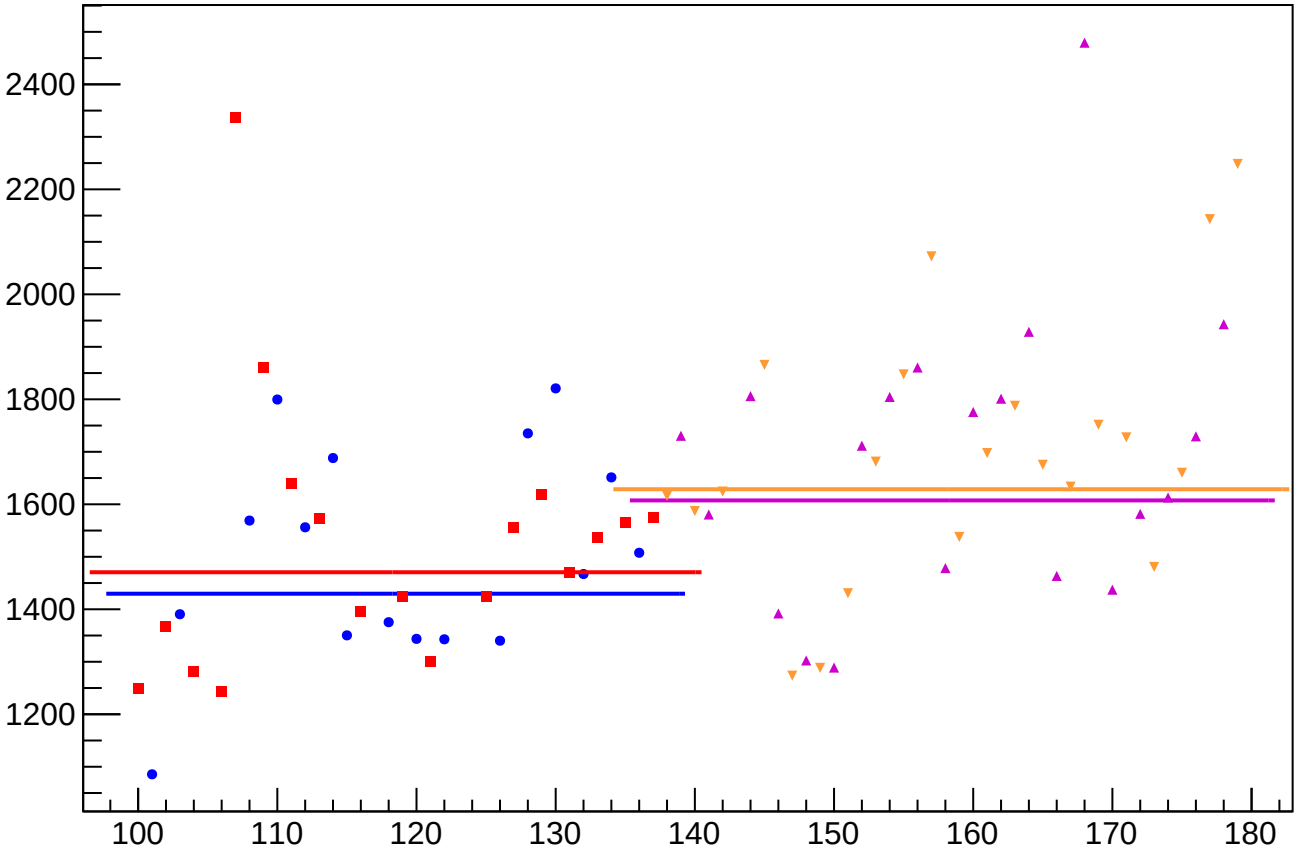
Left In: -1877.120+/-403.104 χ^2/NDF:15.2/19

+ sign 2086.785+/-323.469 χ^2/NDF: 38.2/36

All: 69.750+/-229.129 χ^2/NDF: 145.3/74

- sign -1961.505+/-324.607 χ^2/NDF: 29.1/37

asym_us_avg_rms vs Slug



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

Left Out: 1628.665+/-0.286 χ^2/NDF:670131.5/20

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

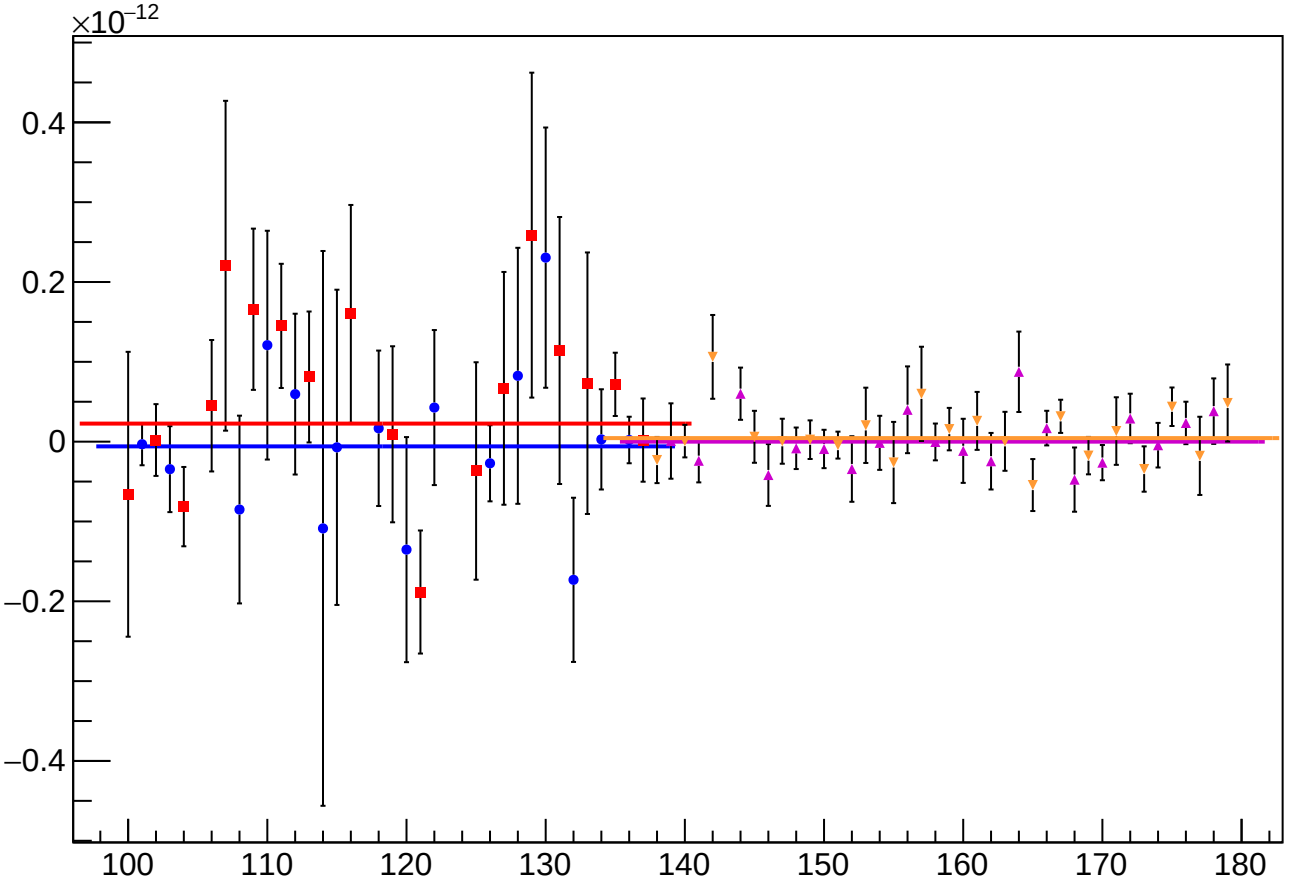
Left In: 1607.394+/-0.285 χ^2/NDF:713829.1/19

+ sign 1556.732+/-0.229 χ^2/NDF: 1138246.7/36

All: 1558.008+/-0.162 χ^2/NDF: 2151213.2/74

- sign 1559.293+/-0.230 χ^2/NDF: 1012904.1/37

asym_us_avg_reg_vs_cor_diff_mean vs Slug



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

Left Out: 0.000+/-0.000 χ^2/NDF:18.4/20

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

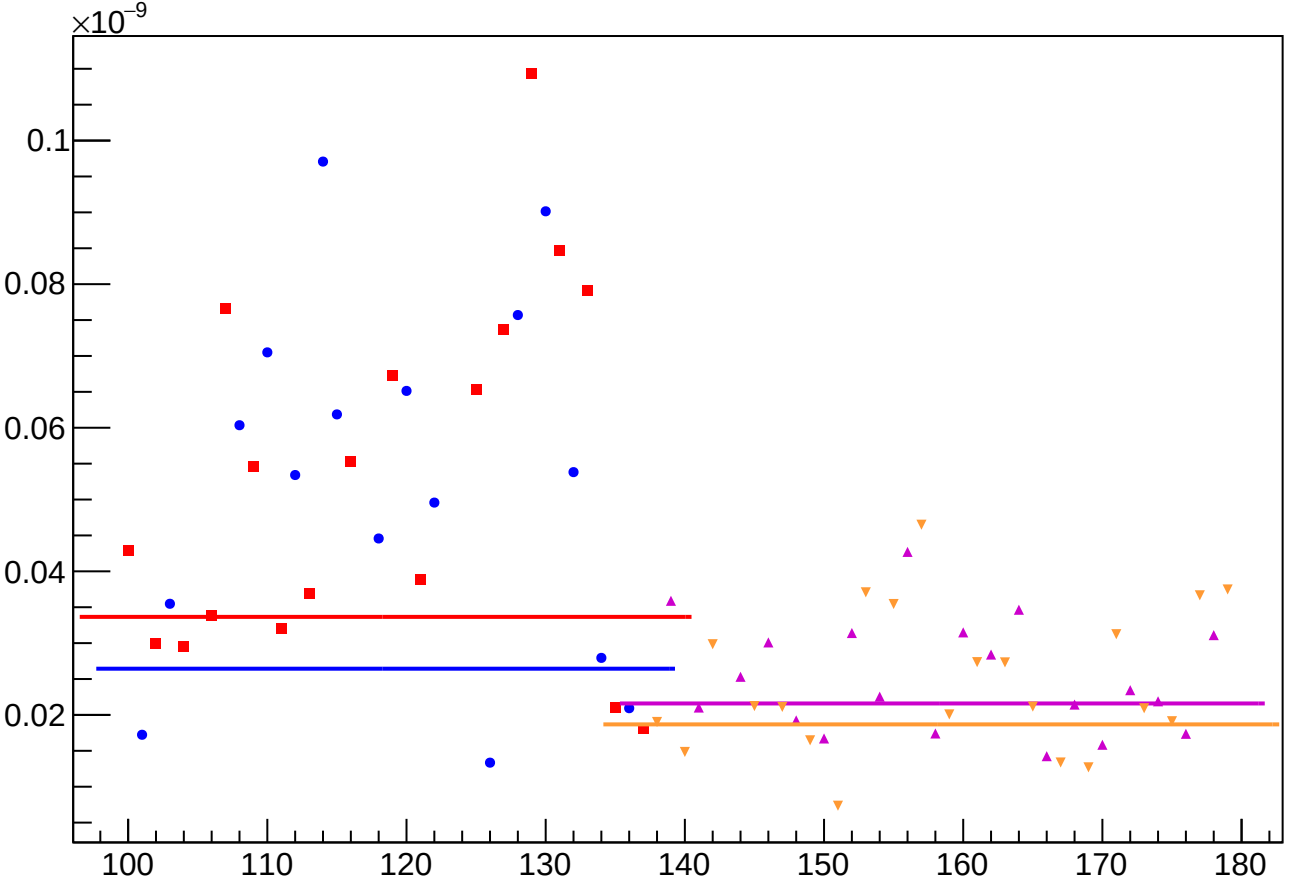
Left In: 0.000+/-0.000 χ^2/NDF:16.4/19

+ sign 0.000+/-0.000 χ^2/NDF: 27.3/36

All: 0.000+/-0.000 χ^2/NDF: 68.0/74

- sign 0.000+/-0.000 χ^2/NDF: 40.8/37

asym_us_avg_reg_vs_cor_diff_rms vs Slug



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

Left Out: 0.000+/-0.000 χ^2/NDF:3334829.6/20

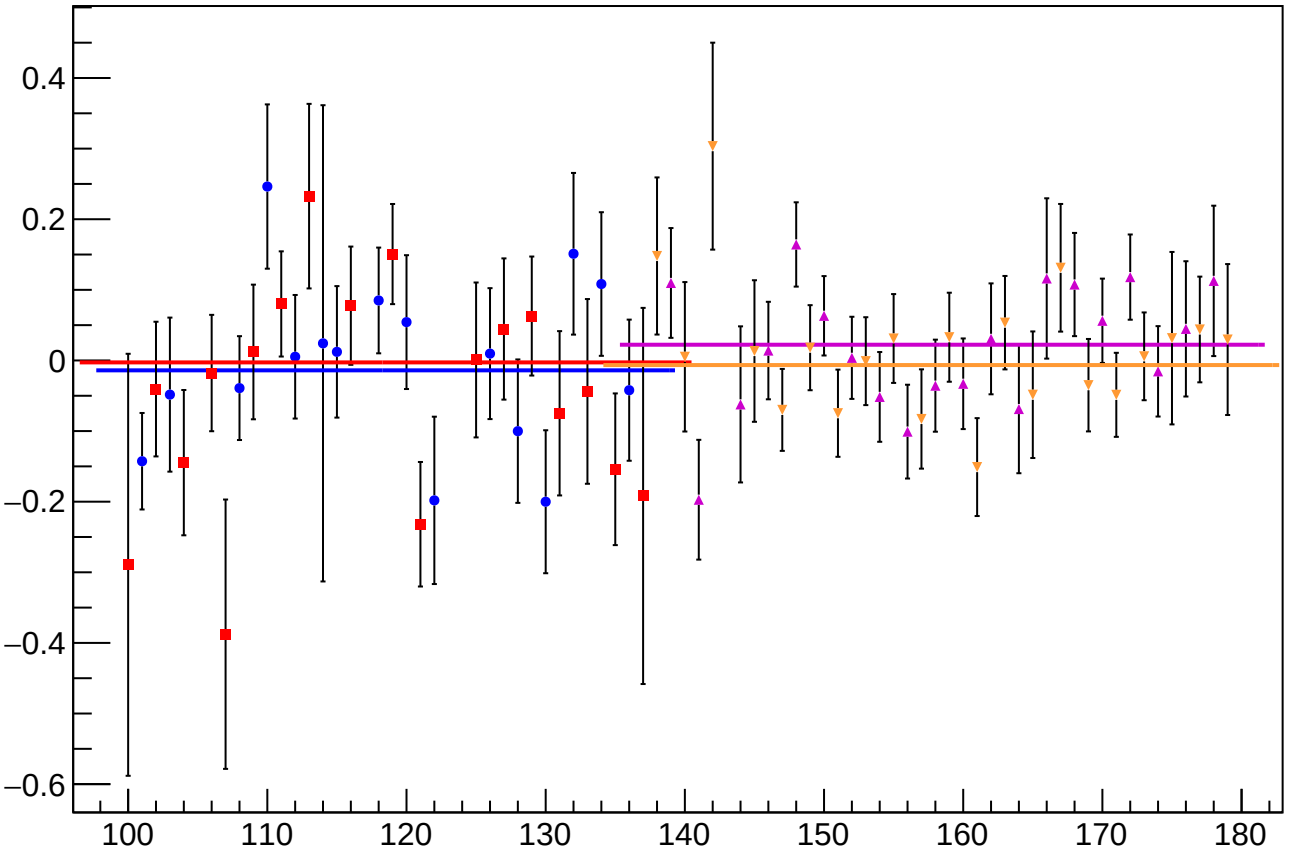
Right Out: 0.000+/-0.000 χ^2/NDF: 1711887.8/17

Left In: 0.000+/-0.000 χ^2/NDF:1749046.0/19

+ sign 0.000+/-0.000 χ^2/NDF: 5917918.5/36

All: 0.000+/-0.000 χ^2/NDF: 10430432.7/74

- sign 0.000+/-0.000 χ^2/NDF: 4230279.8/37



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

Left Out: -0.007+/-0.016 χ^2/NDF:20.1/20

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

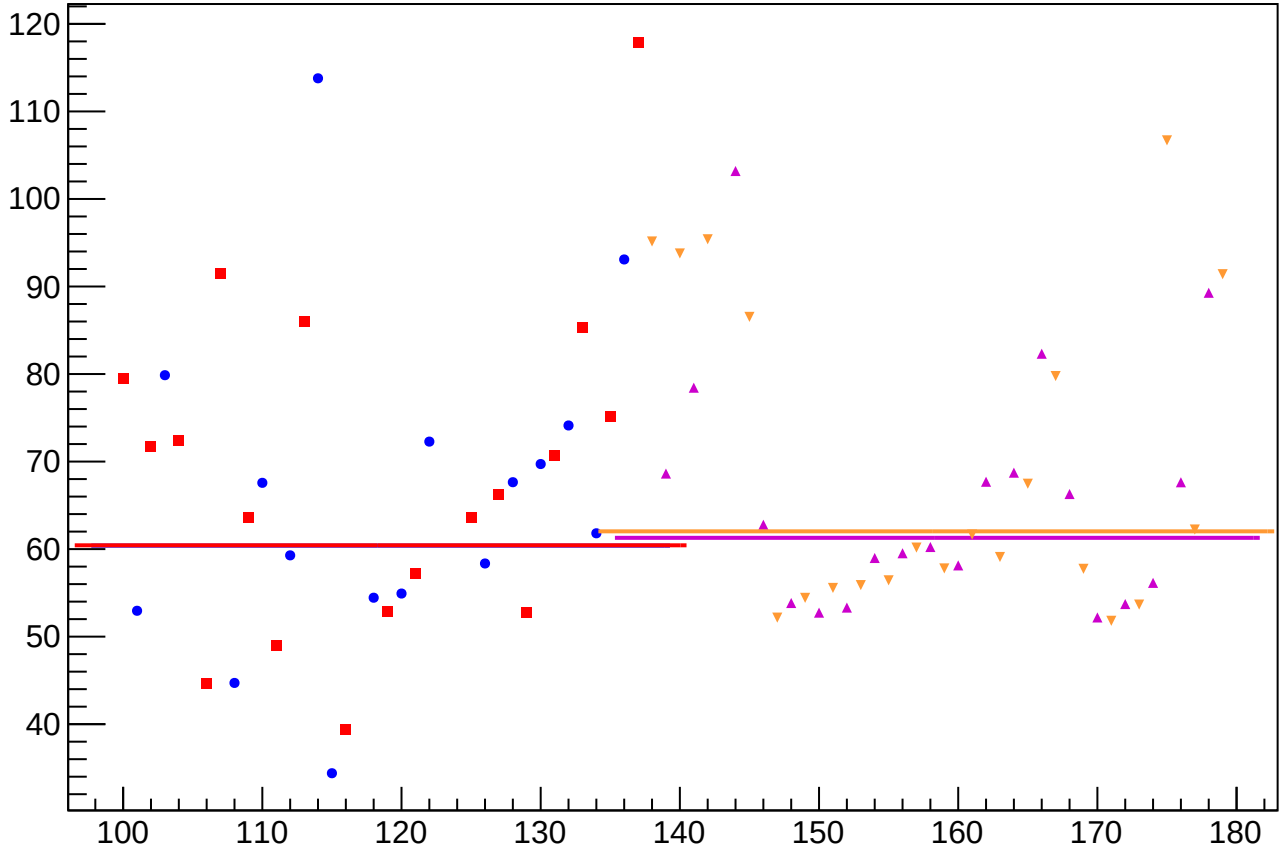
Left In: 0.022+/-0.016 χ^2/NDF:28.2/19

+ sign -0.009+/-0.013 χ^2/NDF: 41.5/36

All: 0.003+/-0.009 χ^2/NDF: 99.8/74

- sign 0.015+/-0.013 χ^2/NDF: 56.7/37

asym_us_avg_dit_vs_cor_diff_rms vs Slug



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

Left Out: 62.030+/-0.011 χ^2/NDF:1348471.4/20

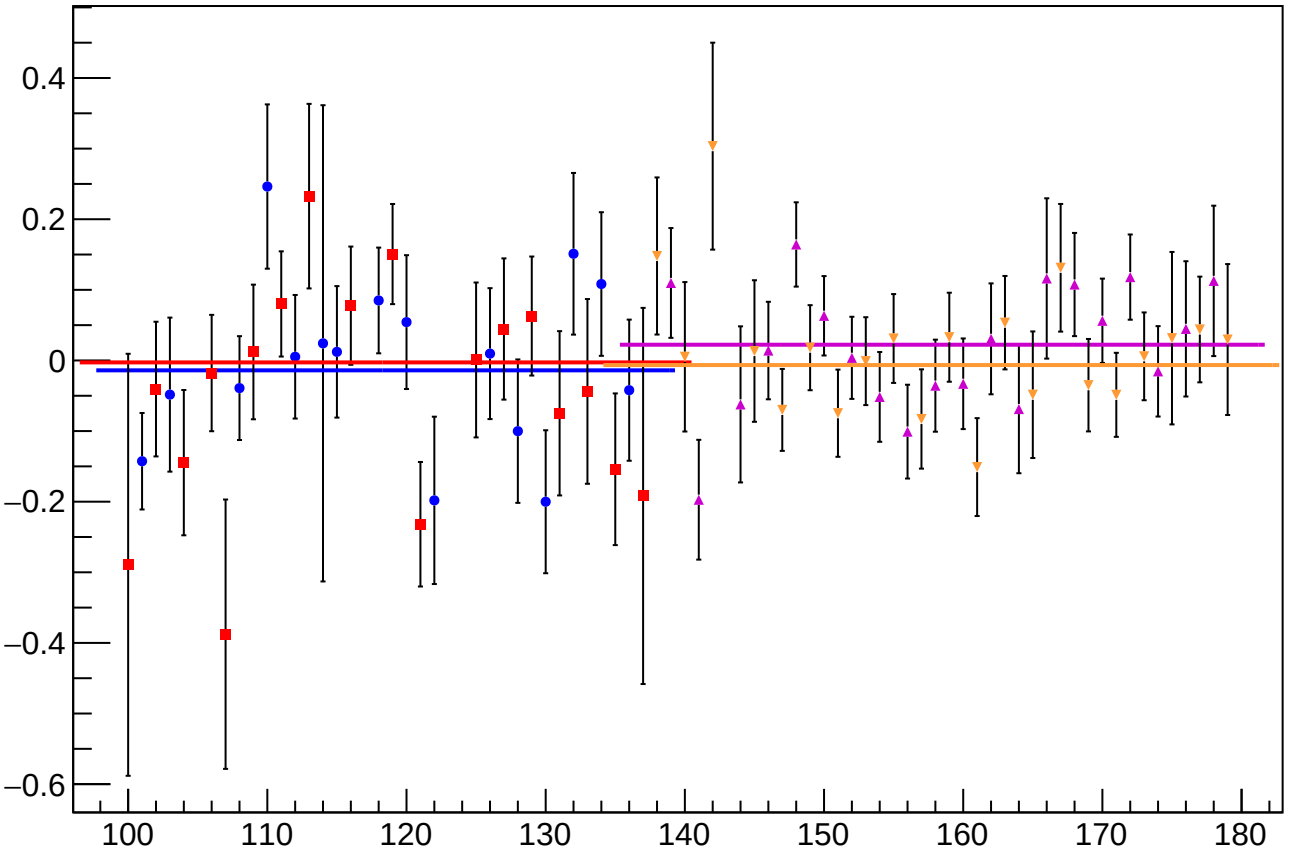
Right Out: 60.434+/-0.017 χ^2/NDF: 711093.4/17

Left In: 61.288+/-0.011 χ^2/NDF:854837.7/19

+ sign 61.524+/-0.009 χ^2/NDF: 2058068.3/36

All: 61.273+/-0.007 χ^2/NDF: 3627200.5/74

- sign 61.026+/-0.009 χ^2/NDF: 1567716.0/37



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

Left Out: -0.007+/-0.016 χ^2/NDF:20.1/20

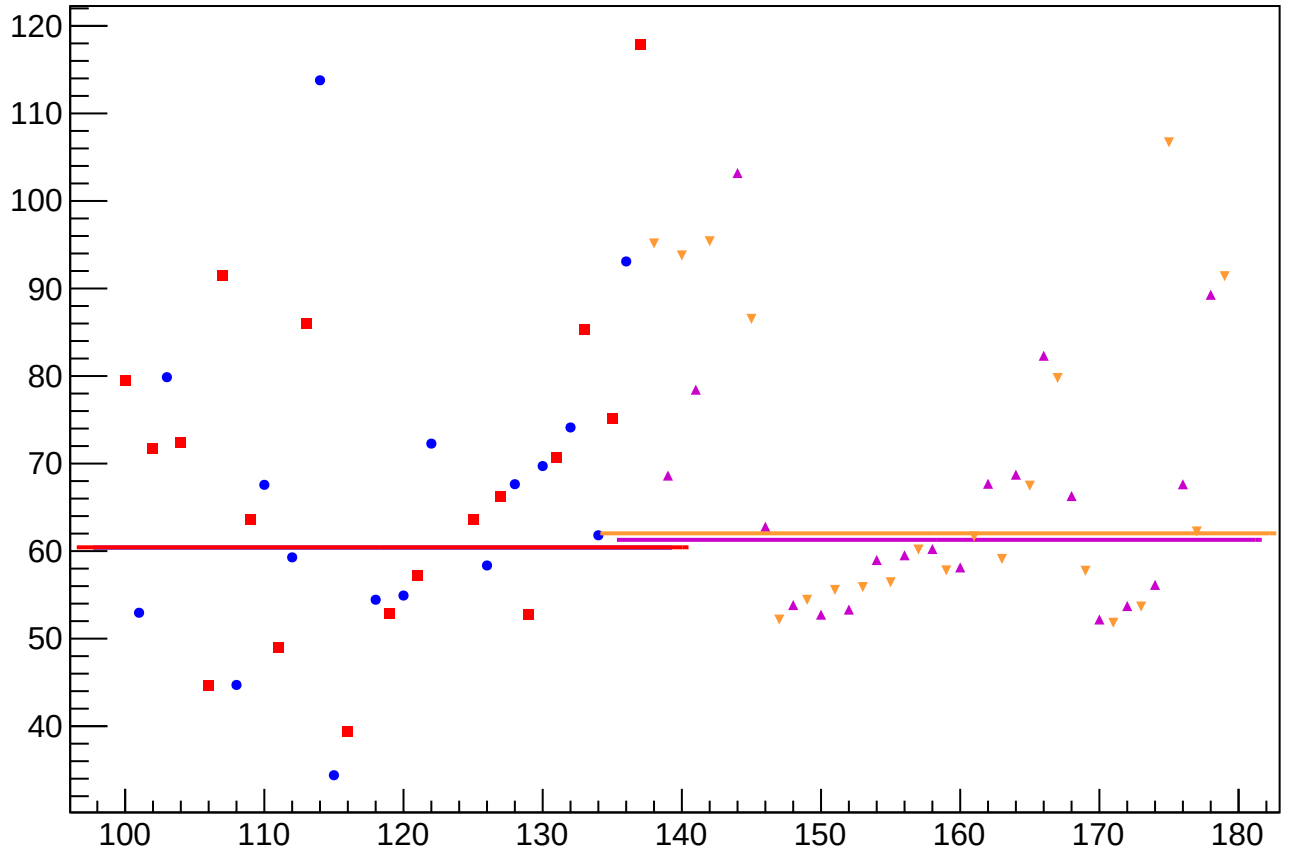
Right Out: -0.003+/-0.024 χ^2/NDF: 27.8/17

Left In: 0.022+/-0.016 χ^2/NDF:28.2/19

+ sign -0.009+/-0.013 χ^2/NDF: 41.5/36

All: 0.003+/-0.009 χ^2/NDF: 99.8/74

- sign 0.015+/-0.013 χ^2/NDF: 56.7/37



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

Left Out: 62.030+/-0.011 χ^2/NDF:1348471.4/20

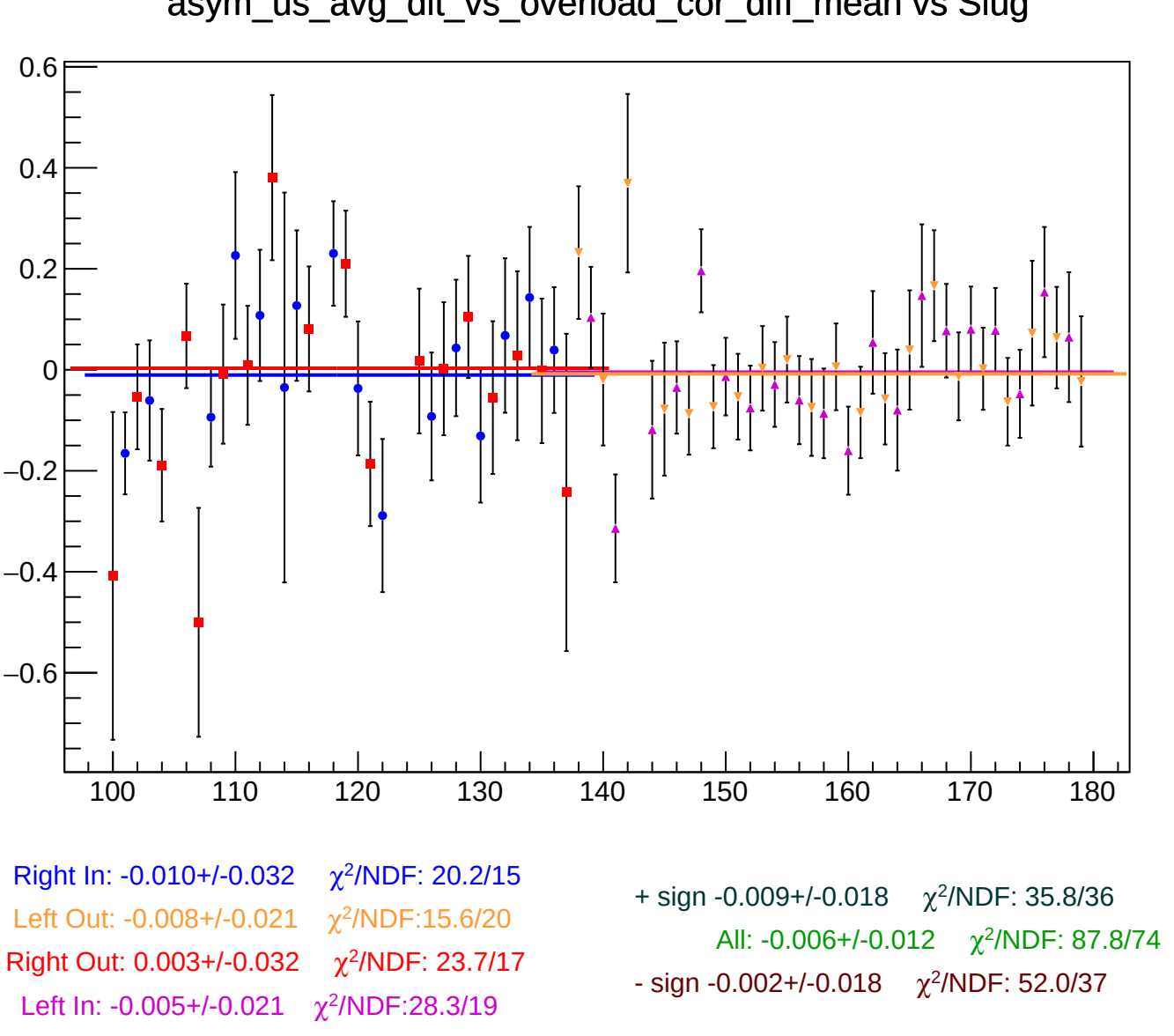
Right Out: 60.434+/-0.017 χ^2/NDF: 711093.4/17

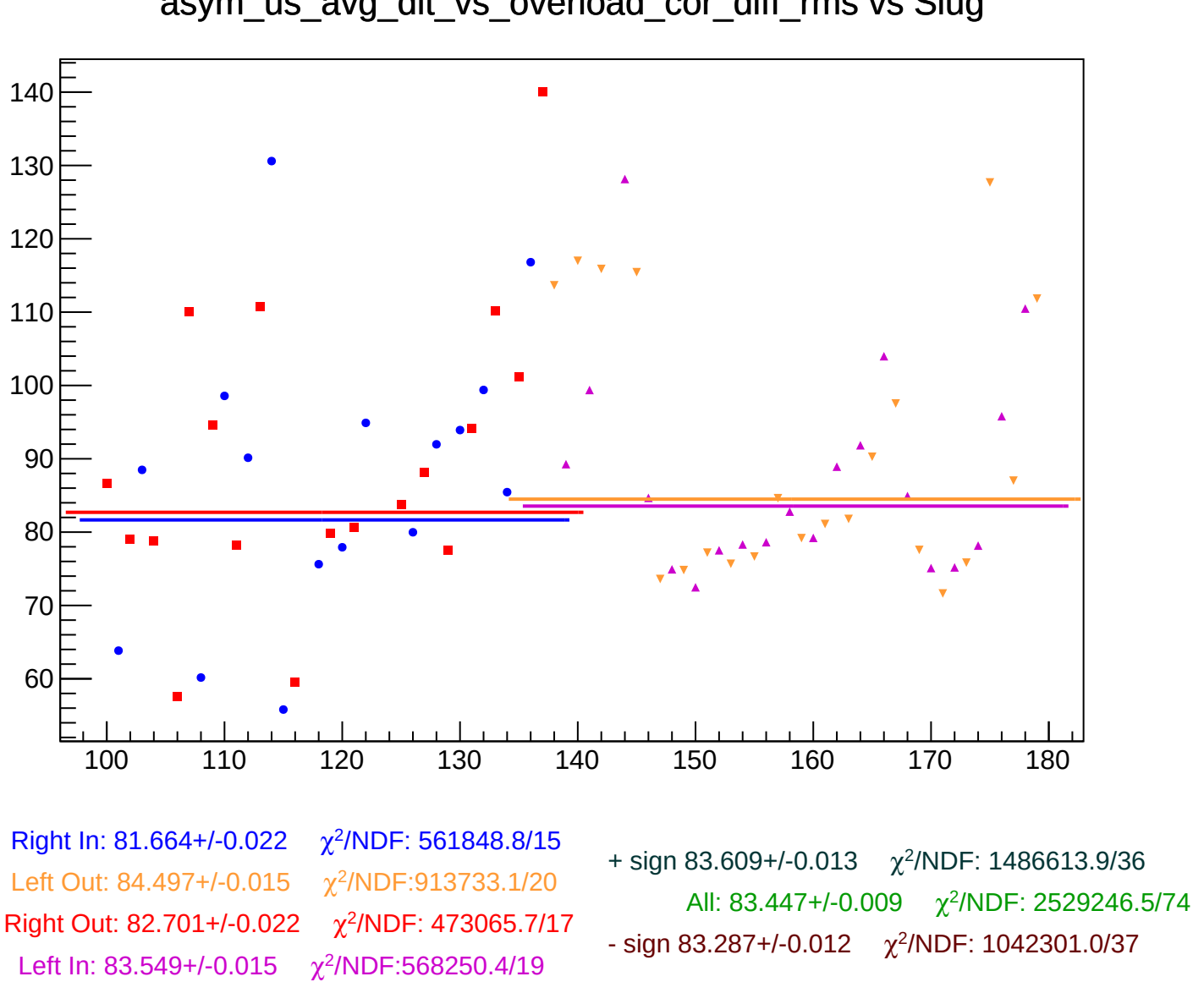
Left In: 61.288+/-0.011 χ^2/NDF:854837.7/19

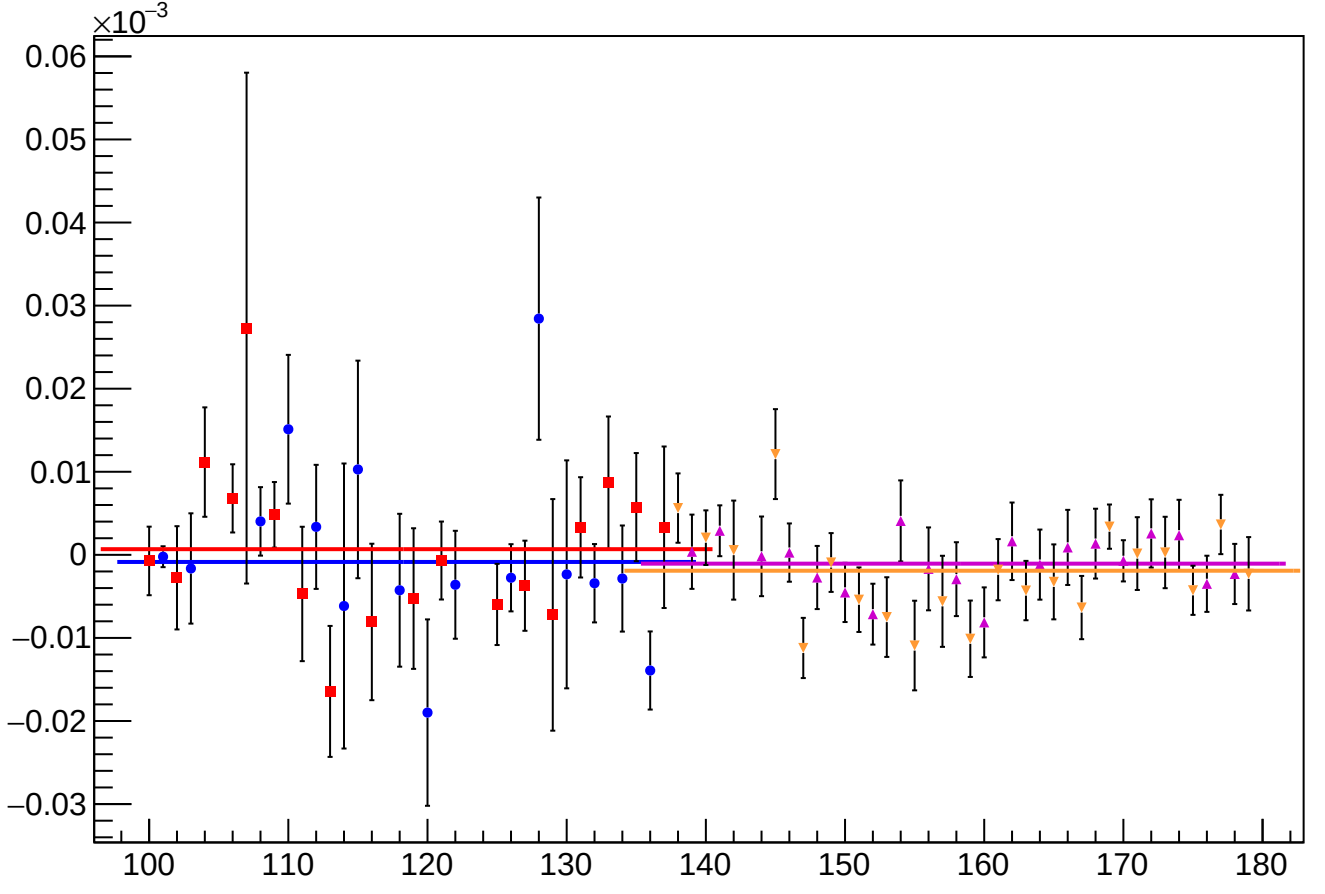
+ sign 61.524+/-0.009 χ^2/NDF: 2058068.3/36

All: 61.273+/-0.007 χ^2/NDF: 3627200.5/74

- sign 61.026+/-0.009 χ^2/NDF: 1567716.0/37


asym_us_avg_dit_vs_overload_cor_diff_mean vs Slug
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
100
110
120
130
140
150
160
170
180
Right In: -0.010+/-0.032 χ²/NDF: 20.2/15
Left Out: -0.008+/-0.021 χ²/NDF:15.6/20
Right Out: 0.003+/-0.032 χ²/NDF: 23.7/17
Left In: -0.005+/-0.021 χ²/NDF:28.3/19
+ sign -0.009+/-0.018 χ²/NDF: 35.8/36
All: -0.006+/-0.012 χ²/NDF: 87.8/74
- sign -0.002+/-0.018 χ²/NDF: 52.0/37


asym_us_avg_dit_vs_overload_cor_diff_rms vs Slug
140
130
120
110
100
90
80
70
60
100
110
120
130
140
150
160
170
180
Right In: 81.664+/-0.022 χ²/NDF: 561848.8/15
Left Out: 84.497+/-0.015 χ²/NDF:913733.1/20
Right Out: 82.701+/-0.022 χ²/NDF: 473065.7/17
Left In: 83.549+/-0.015 χ²/NDF:568250.4/19
+ sign 83.609+/-0.013 χ²/NDF: 1486613.9/36
All: 83.447+/-0.009 χ²/NDF: 2529246.5/74
- sign 83.287+/-0.012 χ²/NDF: 1042301.0/37



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

Left Out: -0.000+/-0.000 χ^2/NDF:36.3/20

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

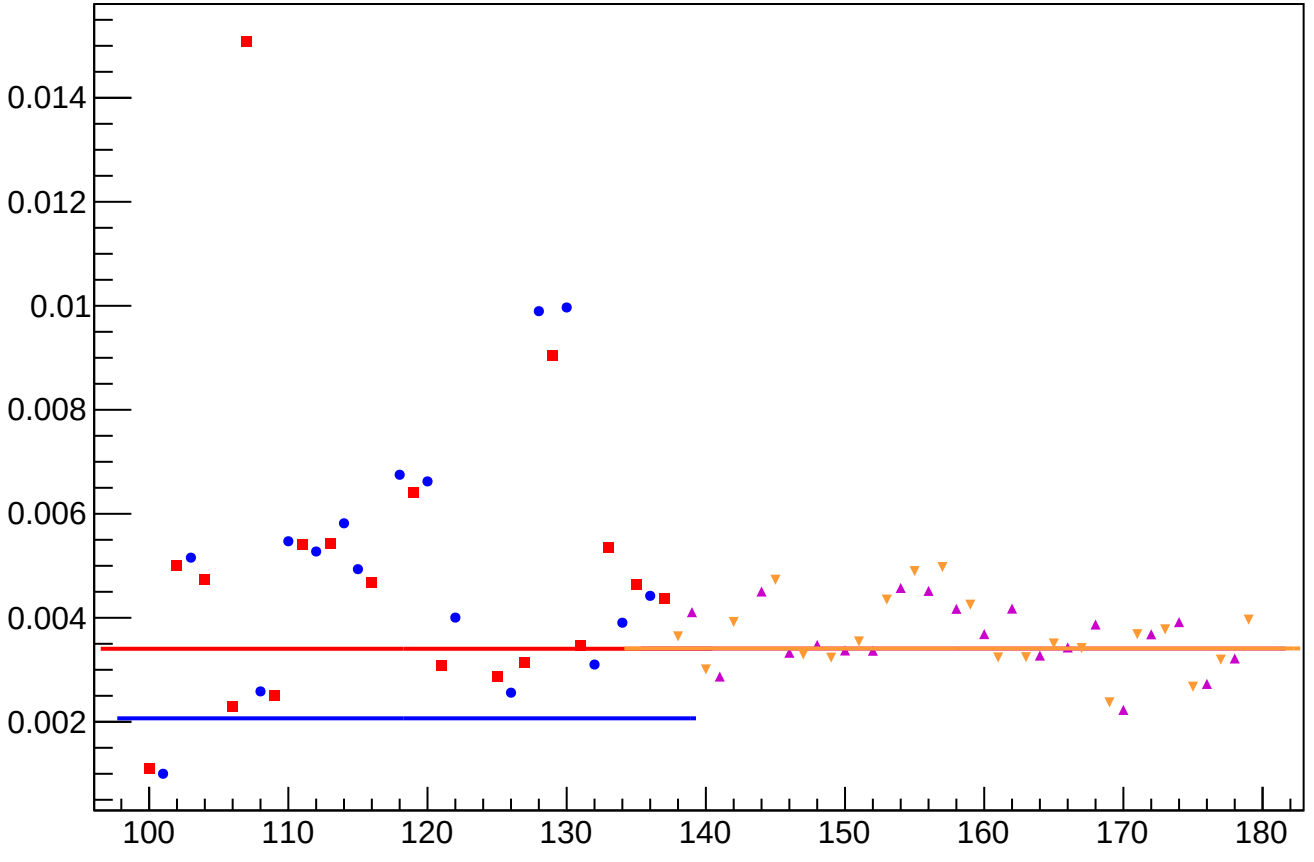
Left In: -0.000+/-0.000 χ^2/NDF:12.9/19

+ sign -0.000+/-0.000 χ^2/NDF: 58.2/36

All: -0.000+/-0.000 χ^2/NDF: 91.3/74

- sign -0.000+/-0.000 χ^2/NDF: 32.3/37

asym_us_avg_eigen_dit_vs_dit_diff_rms vs Slug



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

Left Out: 0.003+/-0.000 χ^2/NDF:1135691.2/20

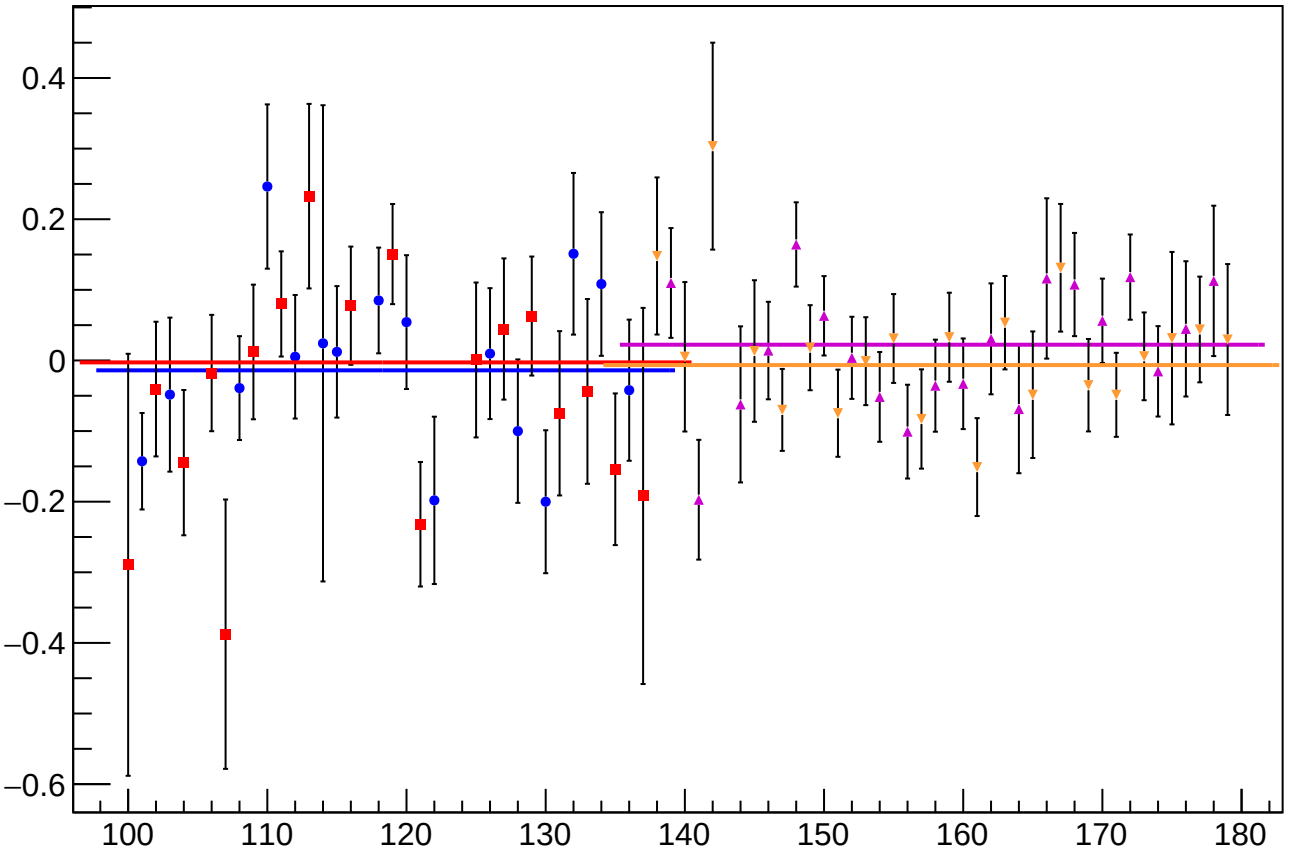
Right Out: 0.003+/-0.000 χ^2/NDF: 2491305.2/17

Left In: 0.003+/-0.000 χ^2/NDF:1154859.7/19

+ sign 0.003+/-0.000 χ^2/NDF: 9006455.3/36

All: 0.003+/-0.000 χ^2/NDF: 13301322.7/74

- sign 0.003+/-0.000 χ^2/NDF: 3646174.4/37



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

Left Out: -0.007+/-0.016 χ^2/NDF:20.1/20

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

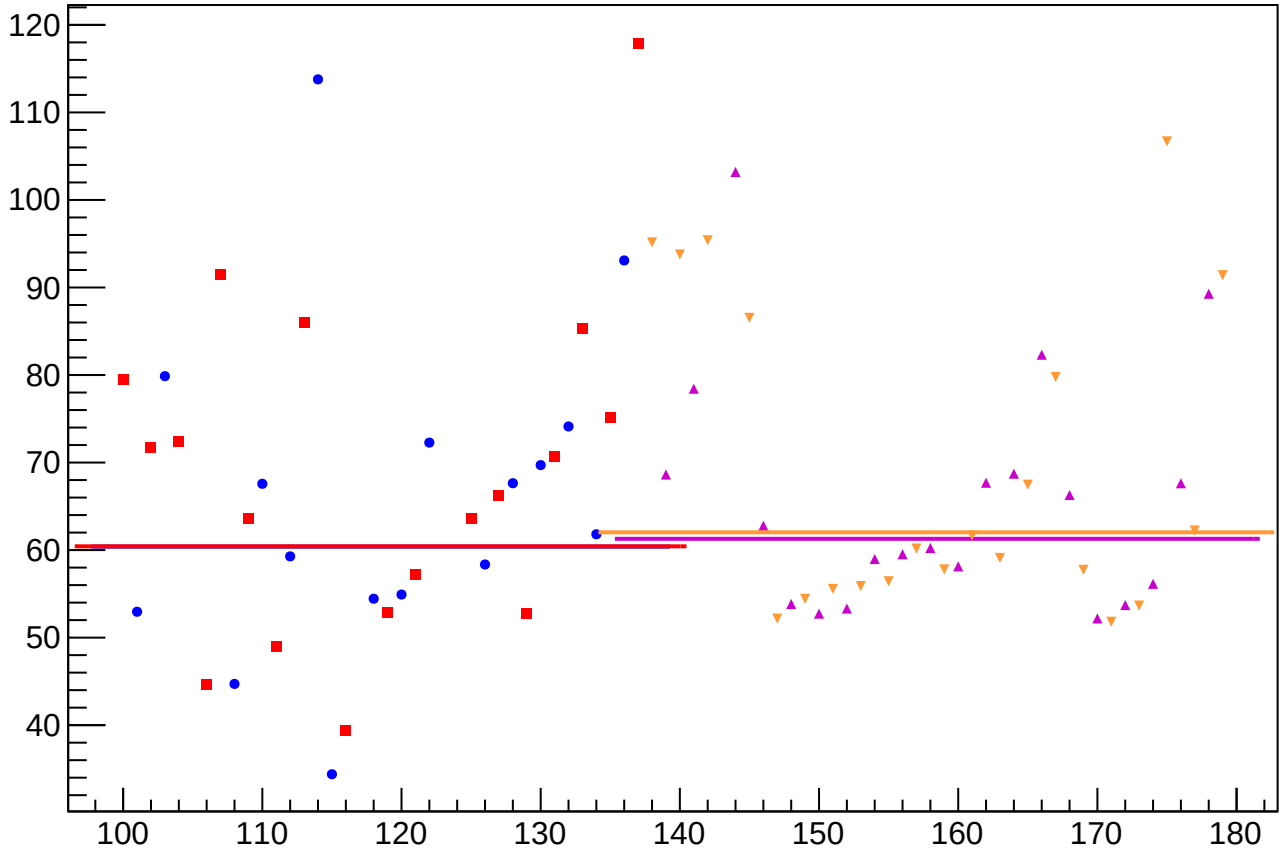
Left In: 0.022+/-0.016 χ^2/NDF:28.2/19

+ sign -0.009+/-0.013 χ^2/NDF: 41.5/36

All: 0.003+/-0.009 χ^2/NDF: 99.8/74

- sign 0.015+/-0.013 χ^2/NDF: 56.7/37

asym_us_avg_eigen_dit_vs_cor_diff_rms vs Slug



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

Left Out: 62.030+/-0.011 χ^2/NDF:1348451.6/20

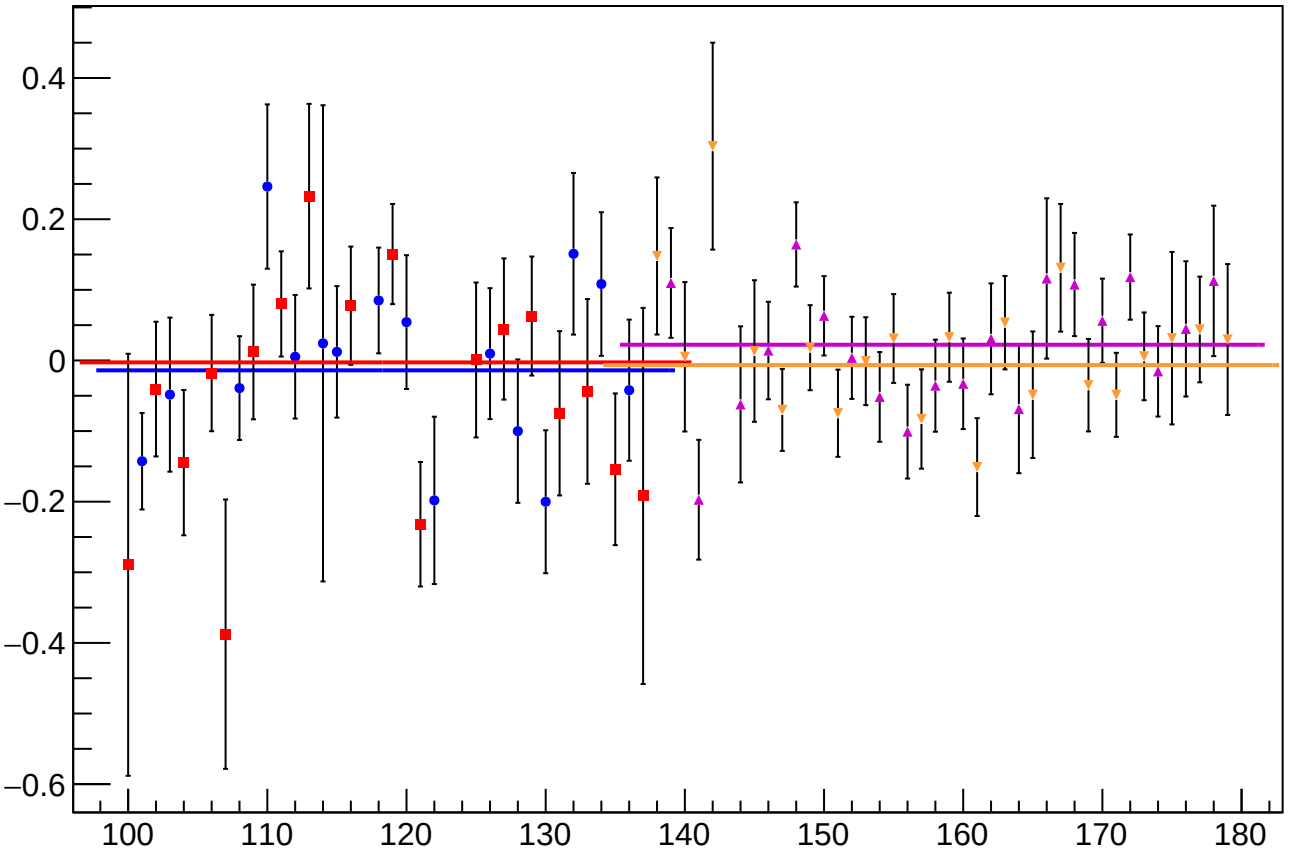
Right Out: 60.432+/-0.017 χ^2/NDF: 711122.4/17

Left In: 61.288+/-0.011 χ^2/NDF:854826.5/19

+ sign 61.524+/-0.009 χ^2/NDF: 2058074.9/36

All: 61.273+/-0.007 χ^2/NDF: 3627234.2/74

- sign 61.025+/-0.009 χ^2/NDF: 1567742.2/37



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

Left Out: -0.007+/-0.016 χ^2/NDF:20.1/20

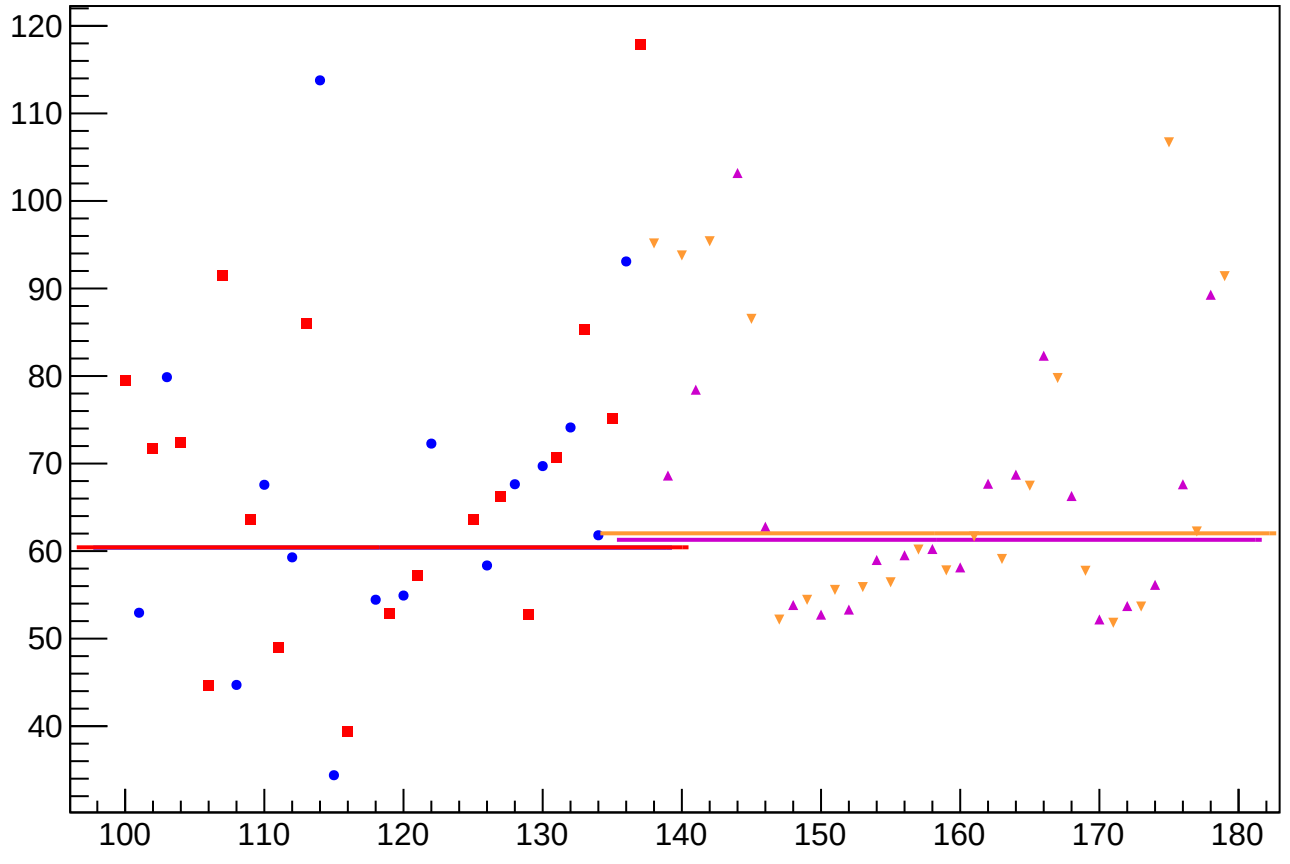
Right Out: -0.003+/-0.024 χ^2/NDF: 27.8/17

Left In: 0.022+/-0.016 χ^2/NDF:28.2/19

+ sign -0.009+/-0.013 χ^2/NDF: 41.5/36

All: 0.003+/-0.009 χ^2/NDF: 99.8/74

- sign 0.015+/-0.013 χ^2/NDF: 56.7/37



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

Left Out: 62.030+/-0.011 χ^2/NDF:1348451.6/20

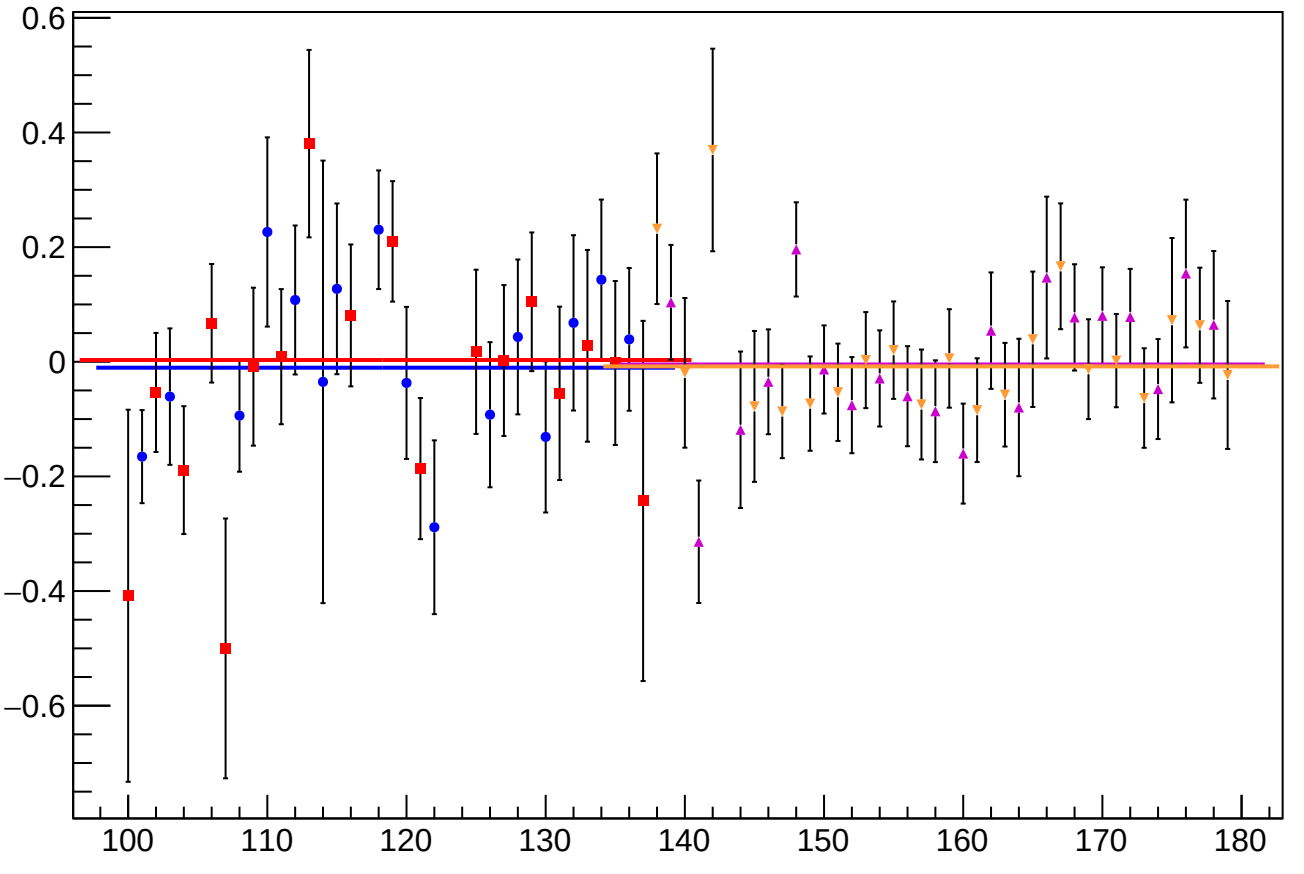
Right Out: 60.432+/-0.017 χ^2/NDF: 711122.4/17

Left In: 61.288+/-0.011 χ^2/NDF:854826.5/19

+ sign 61.524+/-0.009 χ^2/NDF: 2058074.9/36

All: 61.273+/-0.007 χ^2/NDF: 3627234.2/74

- sign 61.025+/-0.009 χ^2/NDF: 1567742.2/37



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

Left Out: -0.008+/-0.021 χ^2/NDF:15.6/20

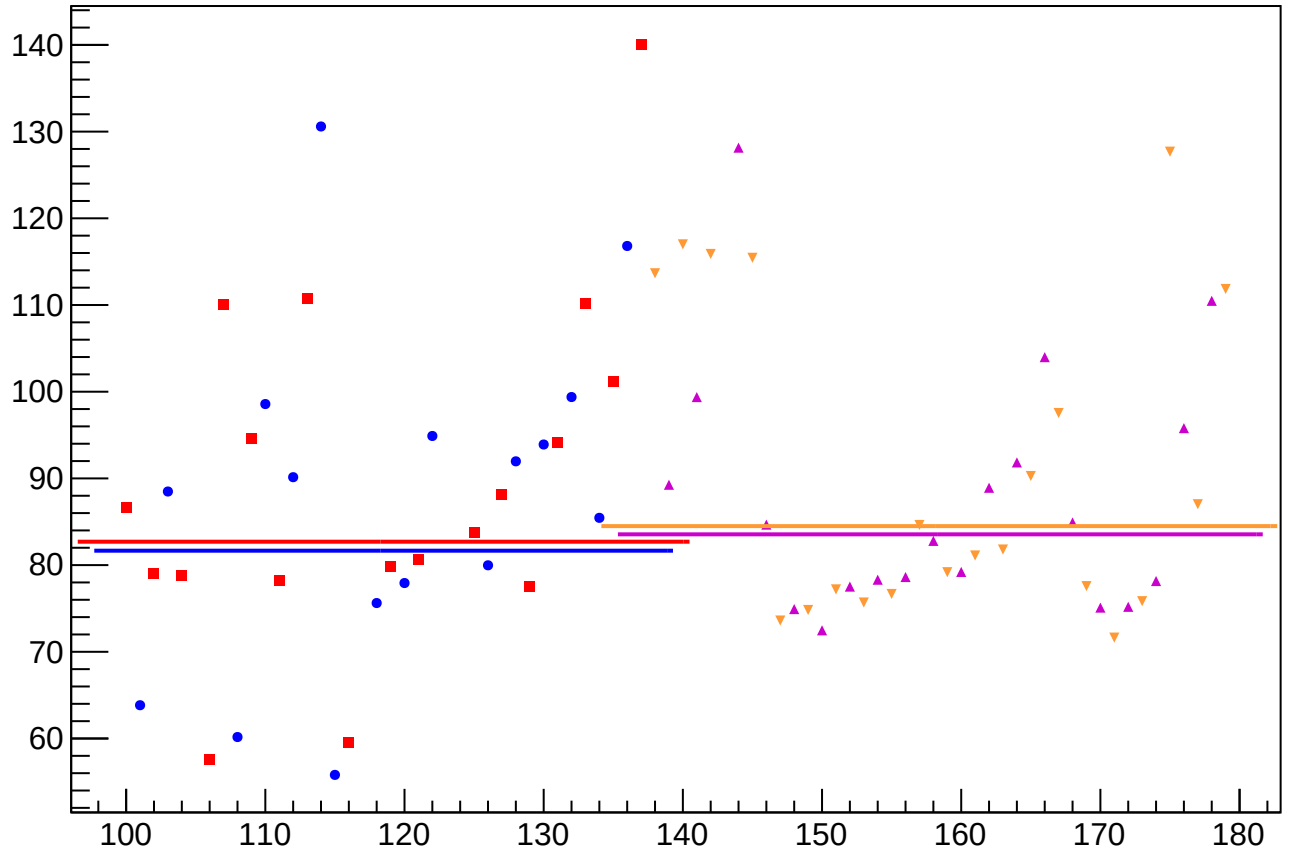
Right Out: 0.003+/-0.032 χ^2/NDF: 23.7/17

Left In: -0.005+/-0.021 χ^2/NDF:28.3/19

+ sign -0.009+/-0.018 χ^2/NDF: 35.8/36

All: -0.006+/-0.012 χ^2/NDF: 87.8/74

- sign -0.002+/-0.018 χ^2/NDF: 52.0/37



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

Left Out: 84.497+/-0.015 χ^2/NDF:913723.4/20

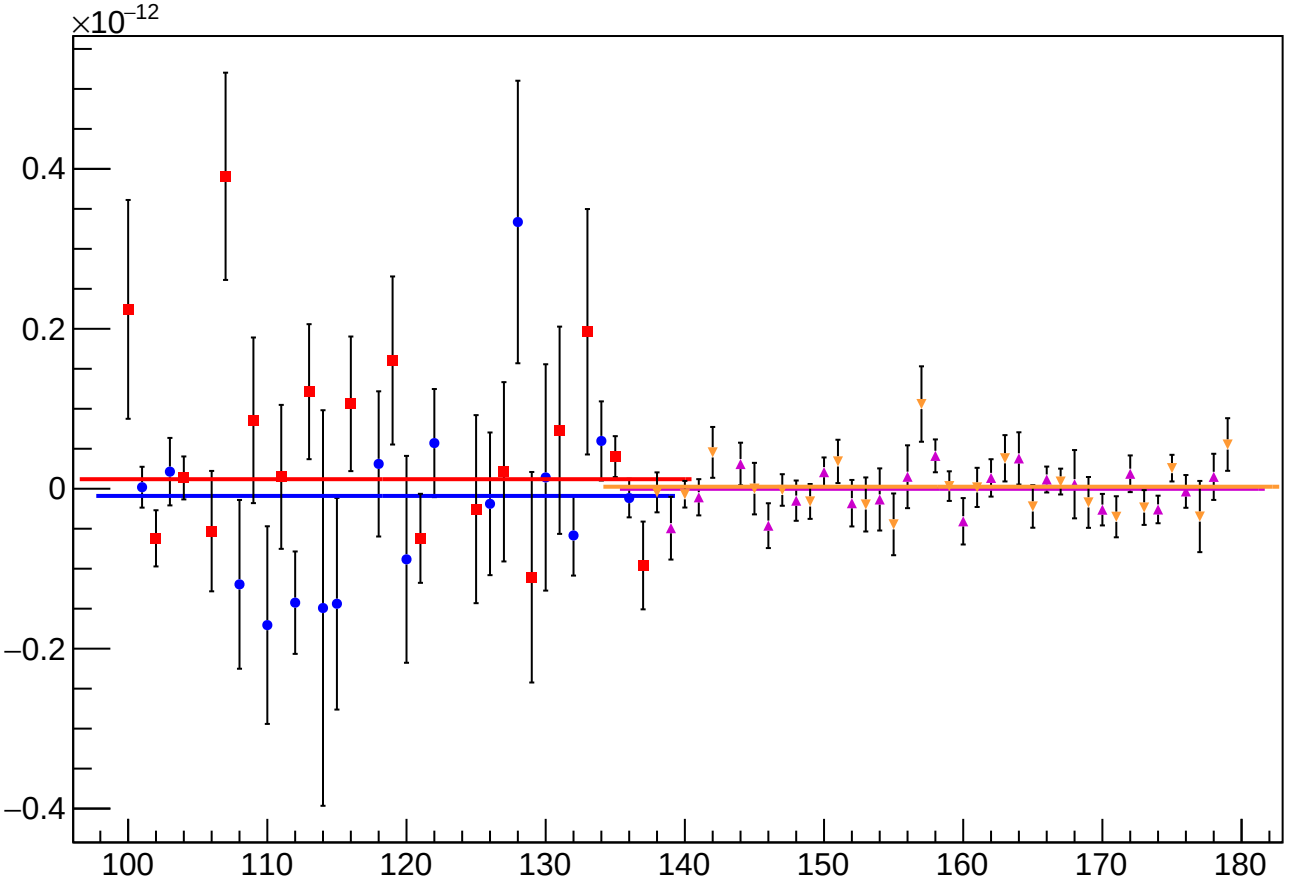
Right Out: 82.700+/-0.022 χ^2/NDF: 473062.4/17

Left In: 83.549+/-0.015 χ^2/NDF:568247.2/19

+ sign 83.608+/-0.013 χ^2/NDF: 1486601.1/36

All: 83.447+/-0.009 χ^2/NDF: 2529230.3/74

- sign 83.287+/-0.012 χ^2/NDF: 1042297.5/37



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

Left Out: 0.000+/-0.000 χ^2/NDF:22.8/20

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

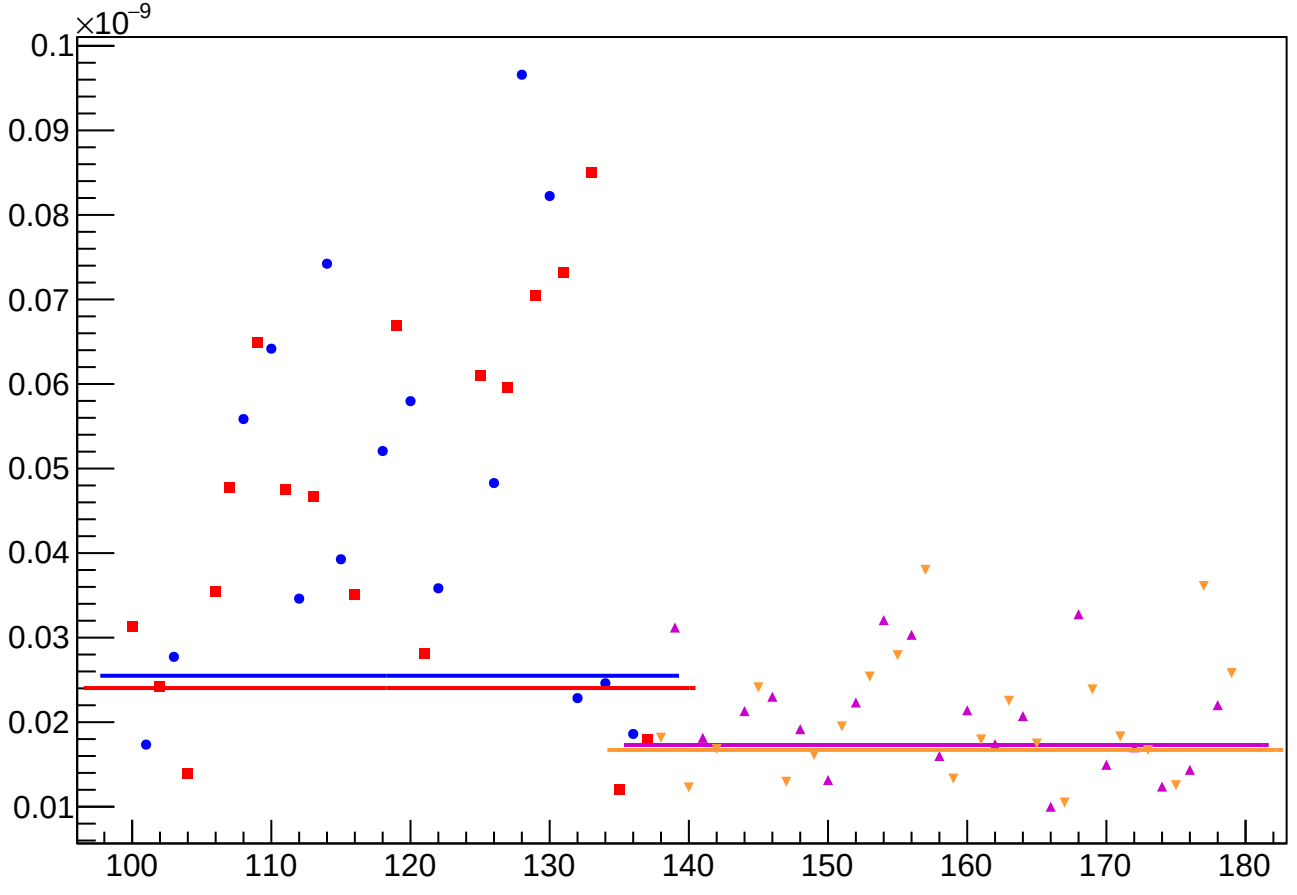
Left In: -0.000+/-0.000 χ^2/NDF:21.3/19

+ sign 0.000+/-0.000 χ^2/NDF: 40.9/36

All: 0.000+/-0.000 χ^2/NDF: 93.9/74

- sign 0.000+/-0.000 χ^2/NDF: 53.0/37

asym_us_avg_eigen_cor_vs_cor_diff_rms vs Slug



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

Left Out: 0.000+/-0.000 χ^2/NDF:2275192.0/20

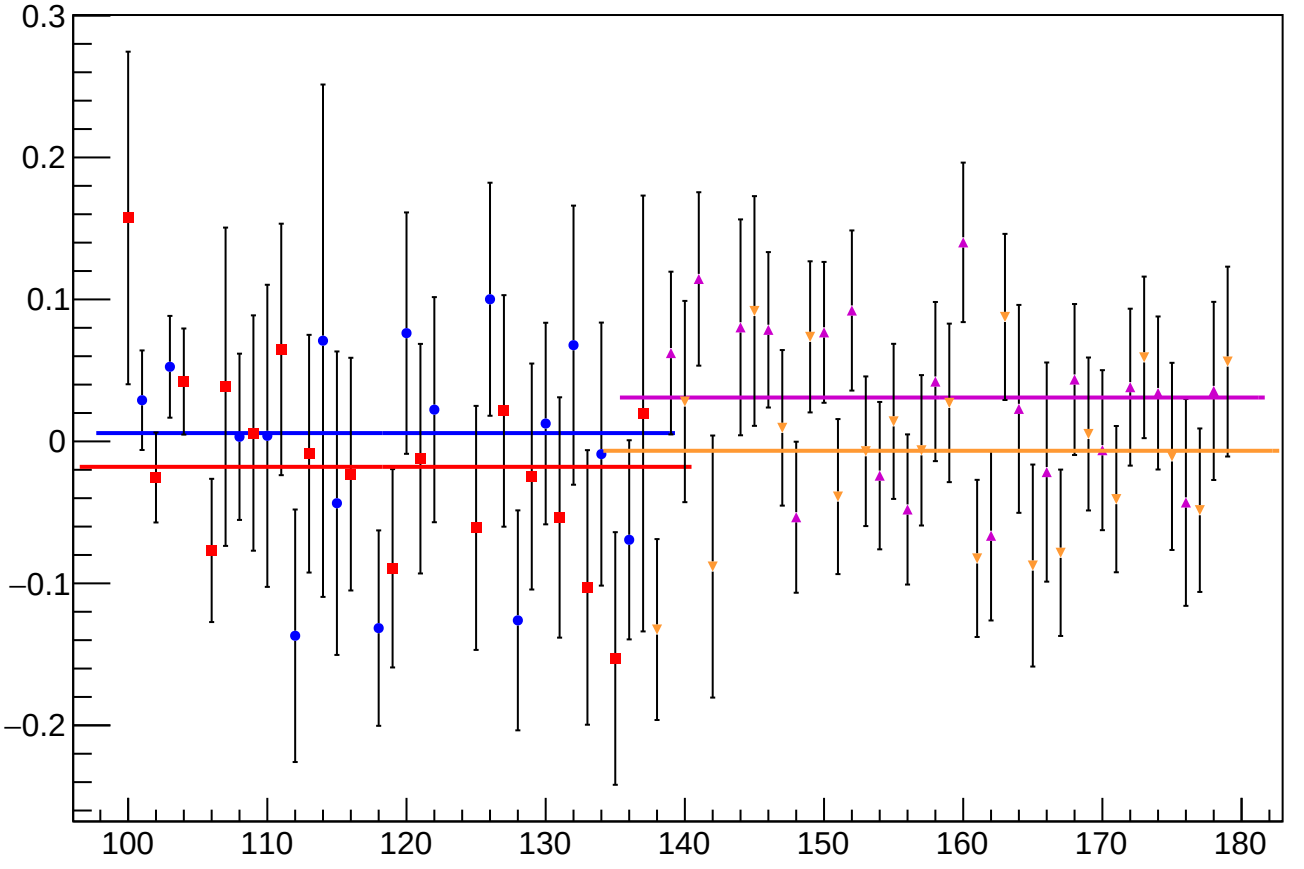
Right Out: 0.000+/-0.000 χ^2/NDF: 3084598.6/17

Left In: 0.000+/-0.000 χ^2/NDF:2086820.7/19

+ sign 0.000+/-0.000 χ^2/NDF: 5032353.5/36

All: 0.000+/-0.000 χ^2/NDF: 10643617.9/74

- sign 0.000+/-0.000 χ^2/NDF: 5607091.7/37



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

Left Out: -0.007+/-0.013 χ^2/NDF:20.1/20

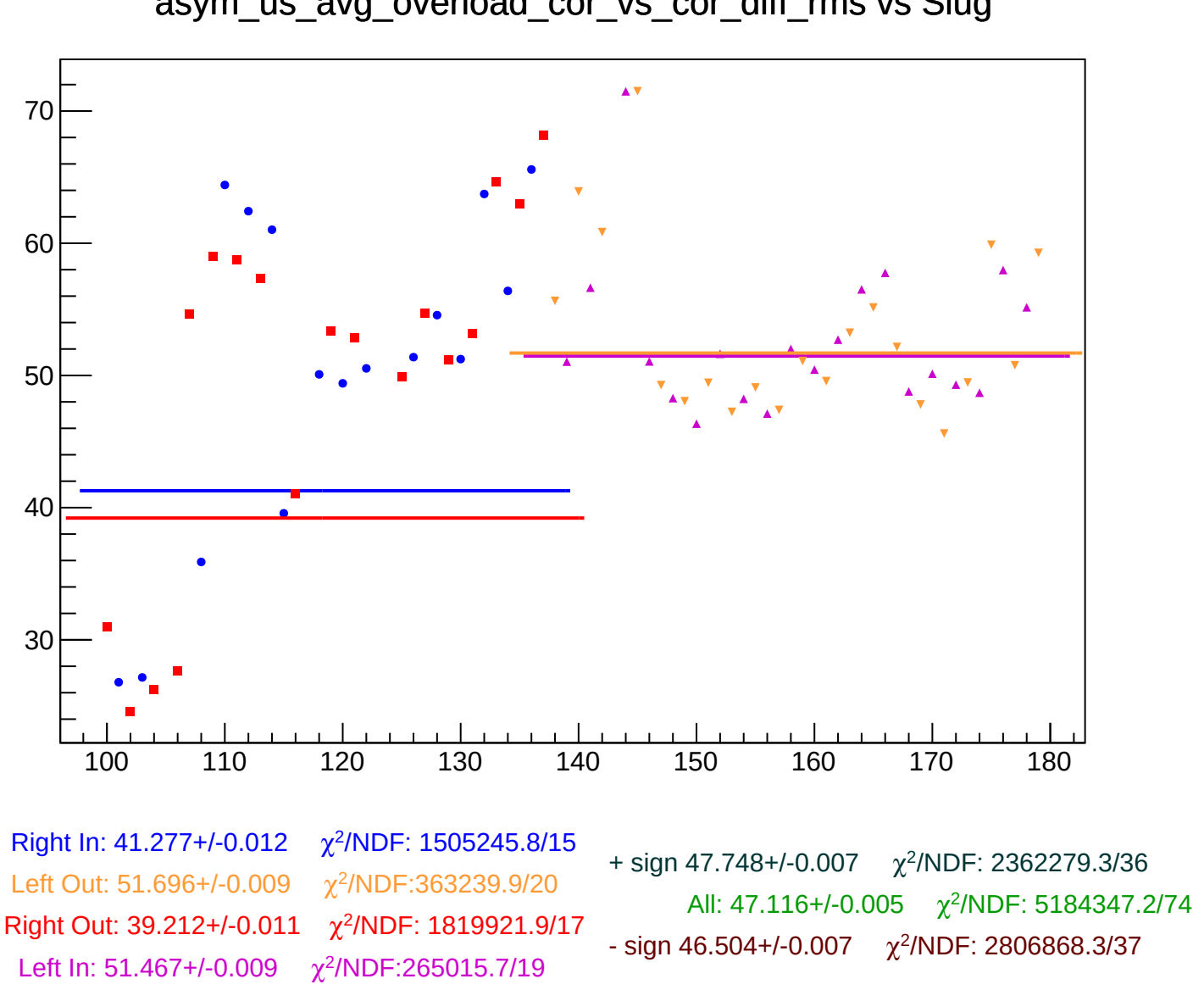
Right Out: -0.018+/-0.016 χ^2/NDF: 12.3/17

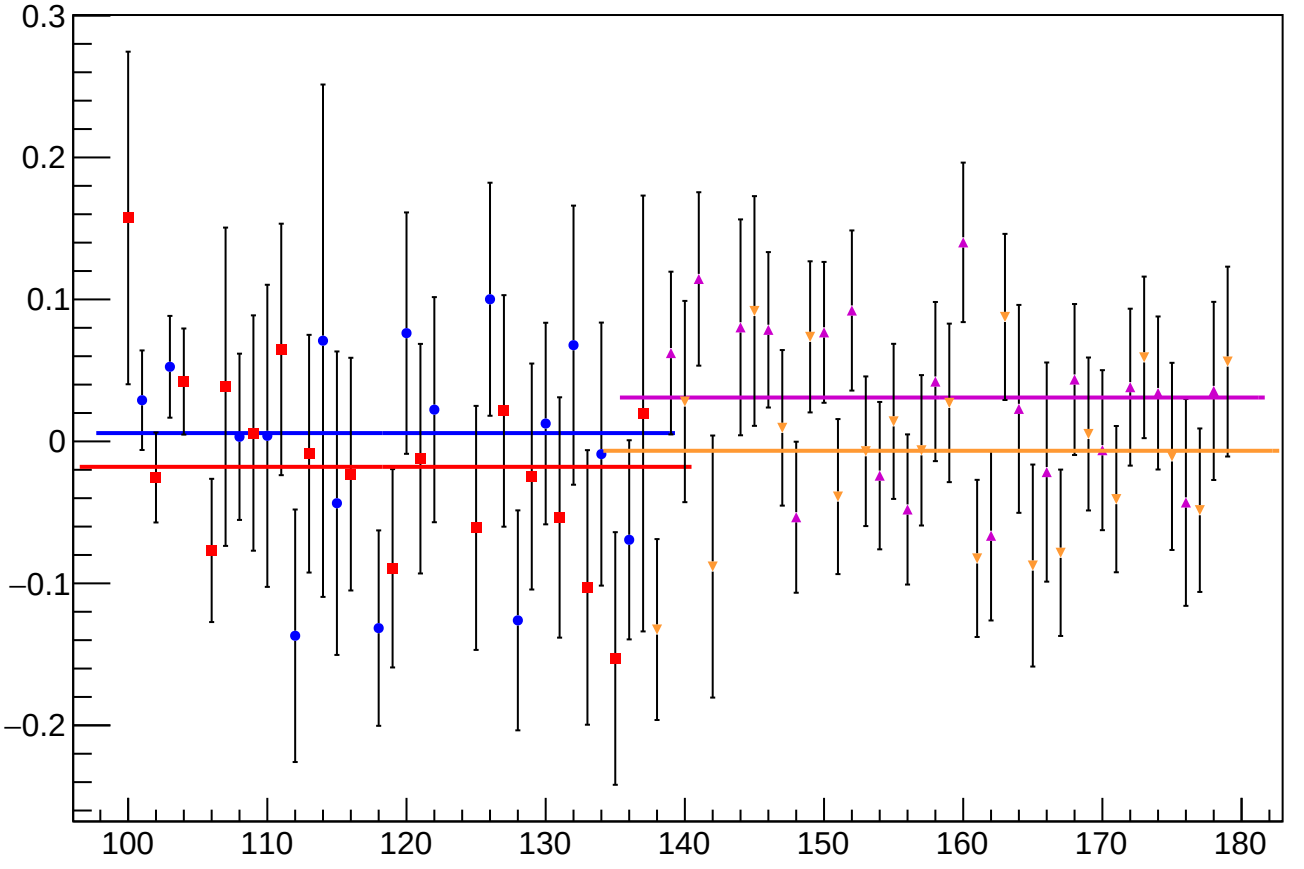
Left In: 0.031+/-0.013 χ^2/NDF:19.8/19

+ sign -0.002+/-0.010 χ^2/NDF: 36.1/36

All: 0.005+/-0.007 χ^2/NDF: 74.7/74

- sign 0.011+/-0.010 χ^2/NDF: 37.8/37


asym_us_avg_overload_cor_vs_cor_diff_rms vs Slug
70
60
50
40
30
100
110
120
130
140
150
160
170
180
Right In: 41.277+/-0.012 χ²/NDF: 1505245.8/15
Left Out: 51.696+/-0.009 χ²/NDF:363239.9/20
Right Out: 39.212+/-0.011 χ²/NDF: 1819921.9/17
Left In: 51.467+/-0.009 χ²/NDF:265015.7/19
+ sign 47.748+/-0.007 χ²/NDF: 2362279.3/36
All: 47.116+/-0.005 χ²/NDF: 5184347.2/74
- sign 46.504+/-0.007 χ²/NDF: 2806868.3/37



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

Left Out: -0.007+/-0.013 χ^2/NDF:20.1/20

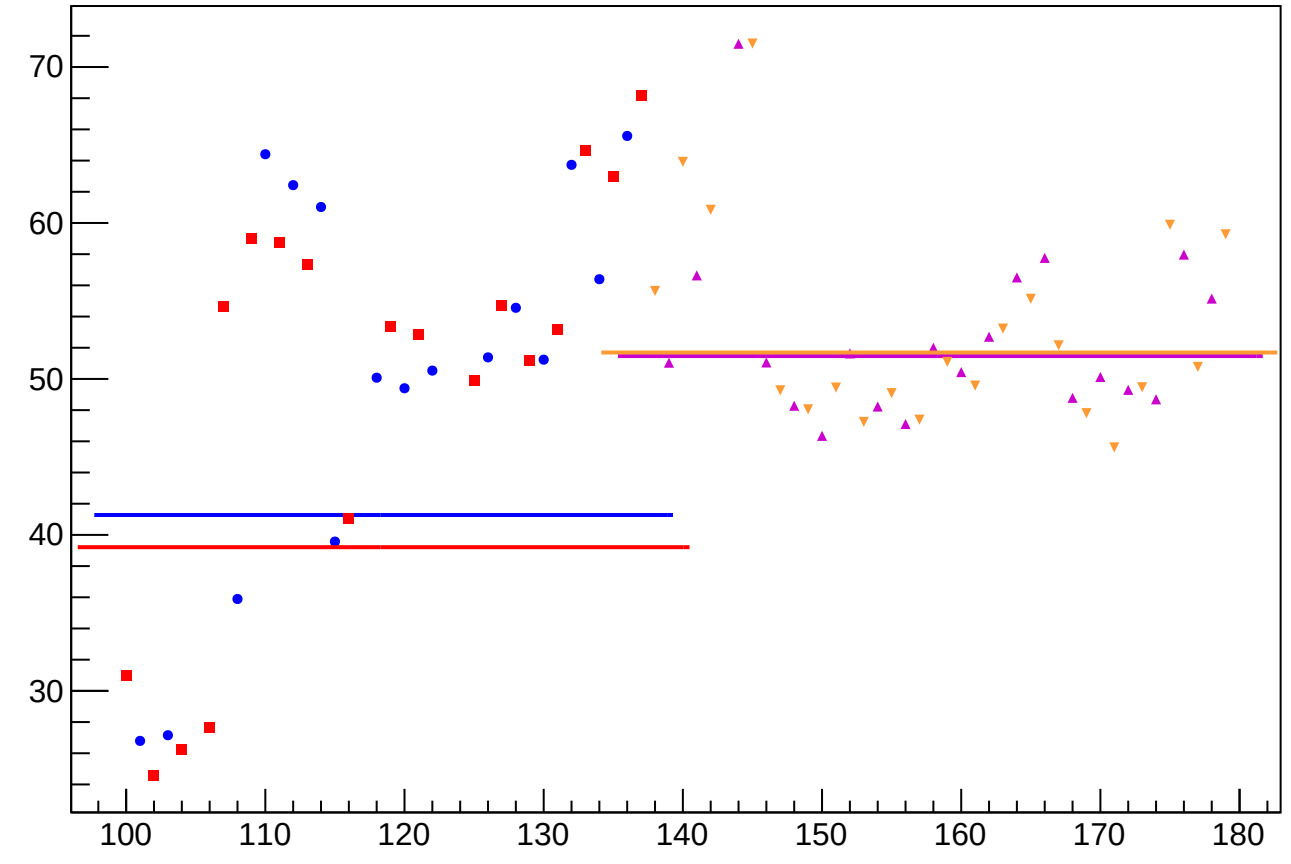
Right Out: -0.018+/-0.016 χ^2/NDF: 12.3/17

Left In: 0.031+/-0.013 χ^2/NDF:19.8/19

+ sign -0.002+/-0.010 χ^2/NDF: 36.1/36

All: 0.005+/-0.007 χ^2/NDF: 74.7/74

- sign 0.011+/-0.010 χ^2/NDF: 37.8/37



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

Left Out: 51.696+/-0.009 χ^2/NDF:363239.9/20

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

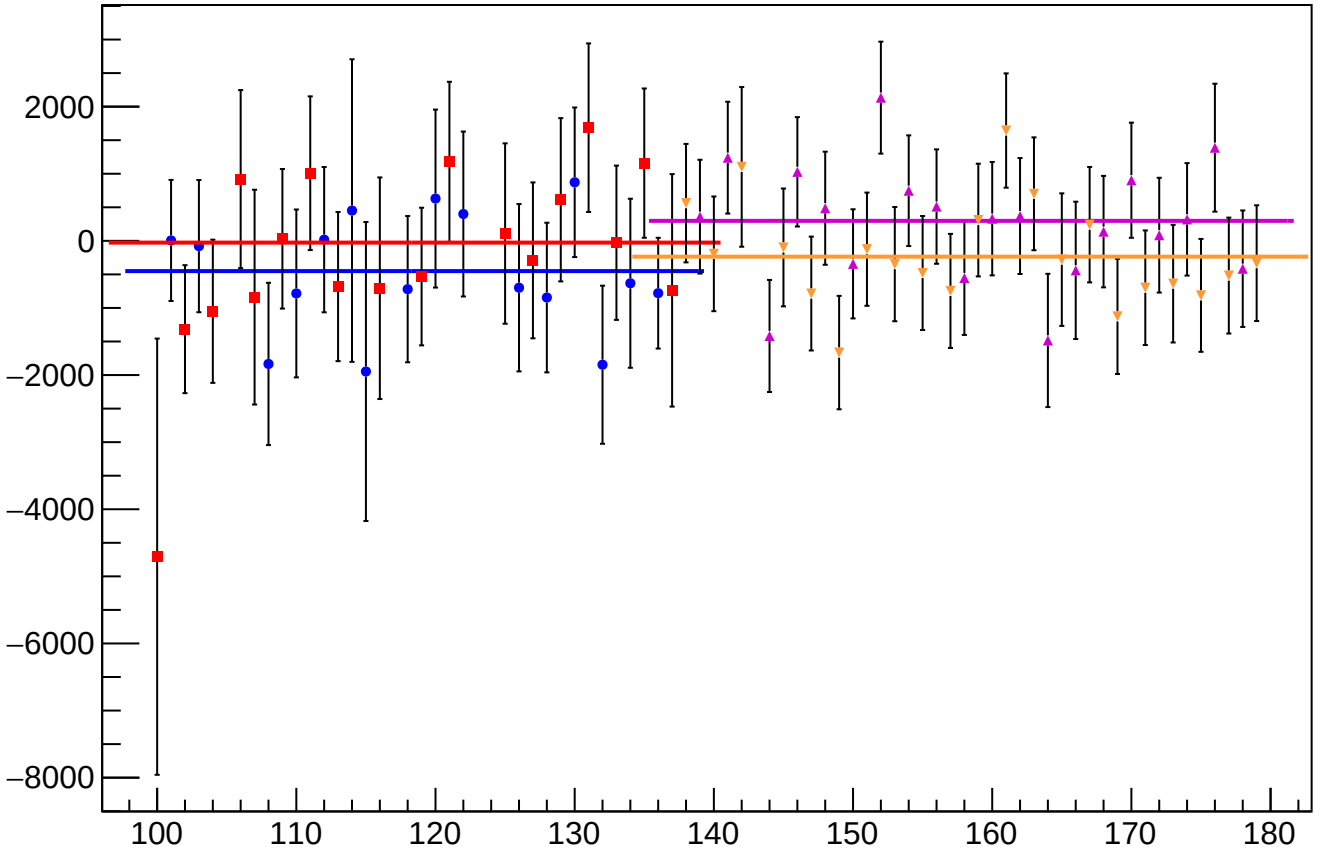
Left In: 51.467+/-0.009 χ^2/NDF:265015.7/19

+ sign 47.748+/-0.007 χ^2/NDF: 2362279.3/36

All: 47.116+/-0.005 χ^2/NDF: 5184347.2/74

- sign 46.504+/-0.007 χ^2/NDF: 2806868.3/37

reg_asym_us_dd_mean vs Slug



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

Left Out: -235.744+/-189.955 χ^2/NDF:14.9/20

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

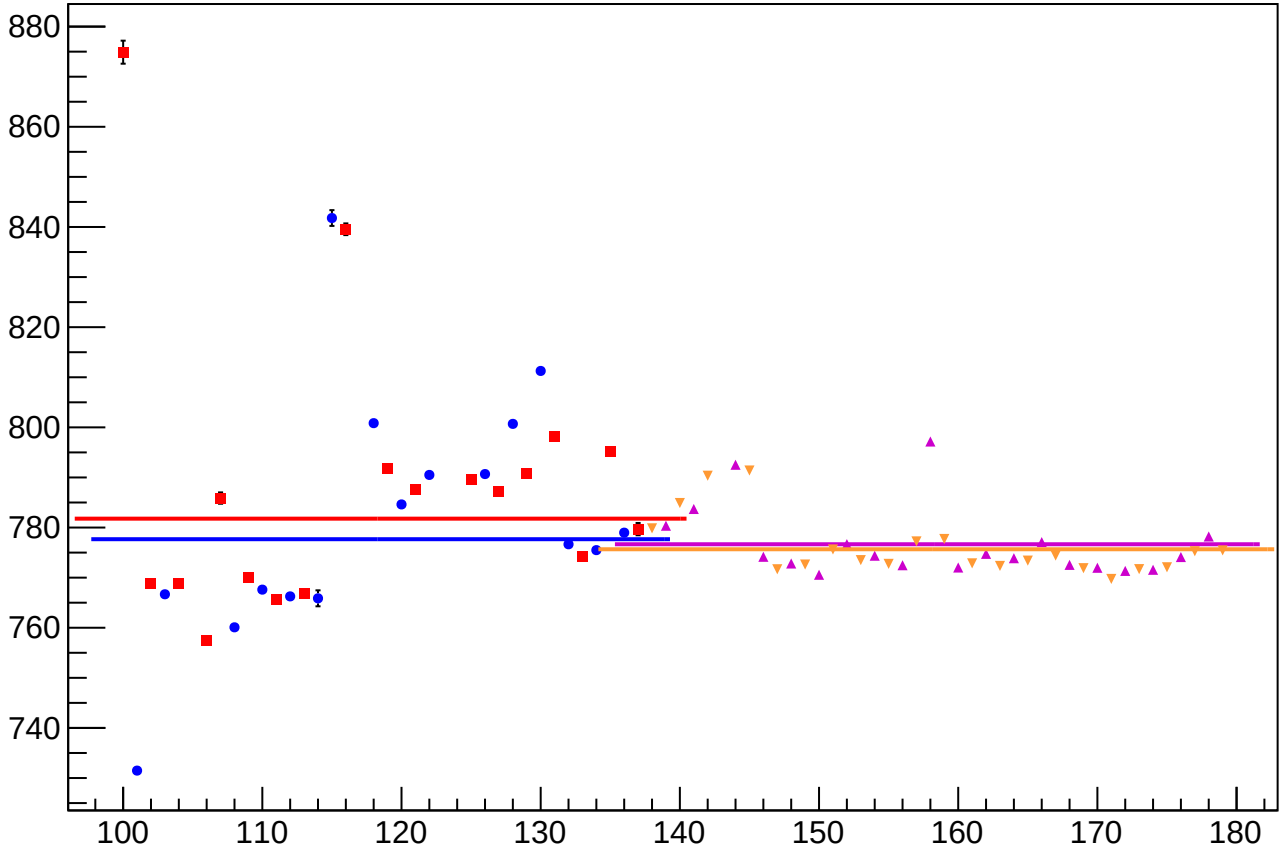
Left In: 298.051+/-192.106 χ^2/NDF:19.5/19

+ sign -300.686+/-158.728 χ^2/NDF: 22.2/36

All: -52.929+/-112.625 χ^2/NDF: 59.2/74

- sign 198.274+/-159.828 χ^2/NDF: 32.1/37

reg_asym_us_dd_rms vs Slug



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

Left Out: 775.667+/-0.134 χ^2/NDF:1630.5/20

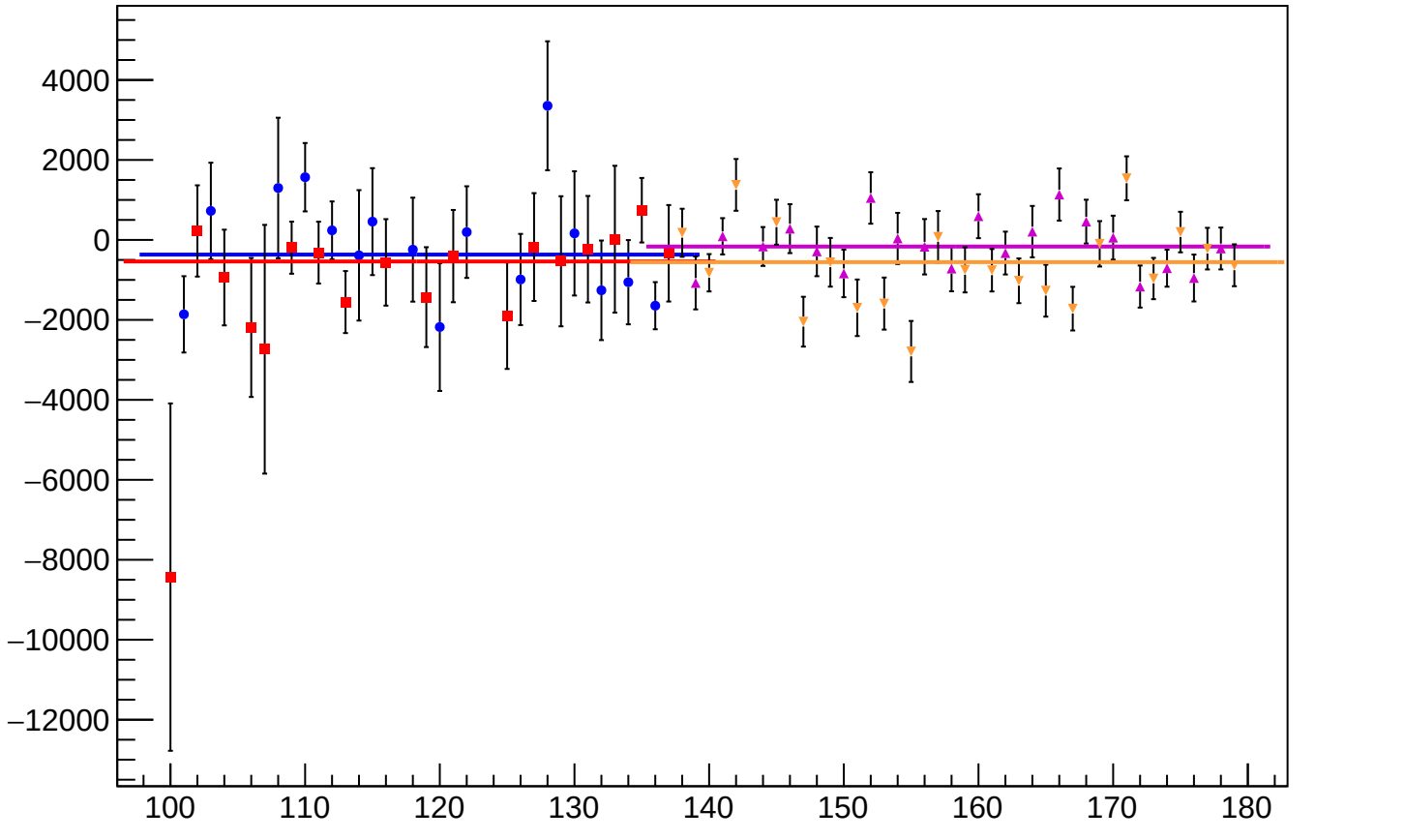
Right Out: 781.777+/-0.204 χ^2/NDF: 7626.3/17

Left In: 776.667+/-0.136 χ^2/NDF:2674.6/19

+ sign 776.272+/-0.112 χ^2/NDF: 13753.3/36

All: 777.249+/-0.080 χ^2/NDF: 24642.3/74

- sign 778.240+/-0.113 χ^2/NDF: 10736.5/37



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

Left Out: -555.599+/-125.342 χ^2/NDF:59.5/20

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

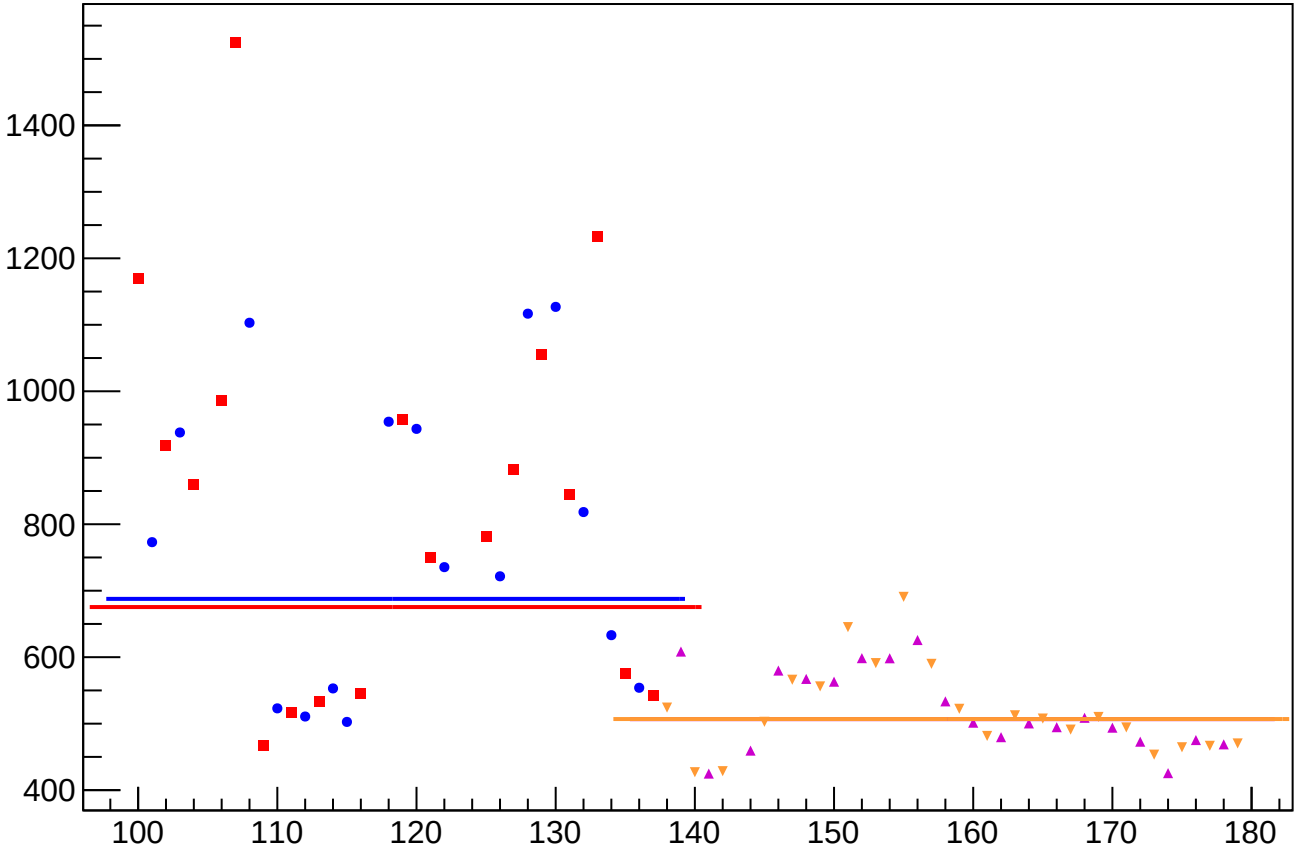
Left In: -166.219+/-126.447 χ^2/NDF:23.2/19

+ sign -521.479+/-113.439 χ^2/NDF: 83.2/36

All: -379.499+/-80.394 χ^2/NDF: 122.9/74

- sign -236.230+/-113.952 χ^2/NDF: 36.5/37

asym_us_dd_reg_correction_rms vs Slug



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

Left Out: 506.941+/-0.089 χ^2/NDF:446216.6/20

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

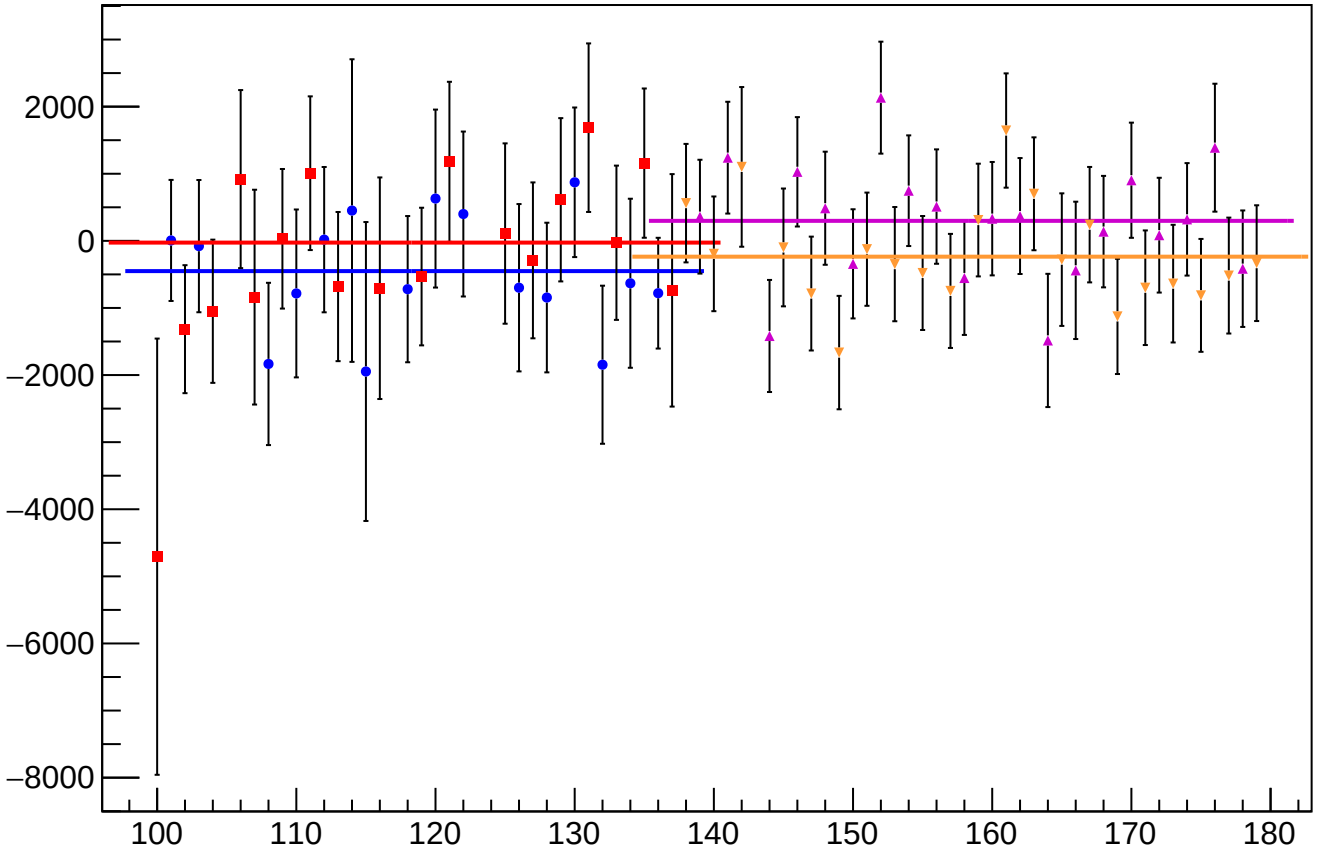
Left In: 506.790+/-0.089 χ^2/NDF:435305.0/19

+ sign 539.646+/-0.080 χ^2/NDF: 2230783.2/36

All: 539.060+/-0.057 χ^2/NDF: 4647345.3/74

- sign 538.467+/-0.081 χ^2/NDF: 2416454.5/37

cor_asym_us_dd_mean vs Slug



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

Left Out: -235.744+/-189.955 χ^2/NDF:14.9/20

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

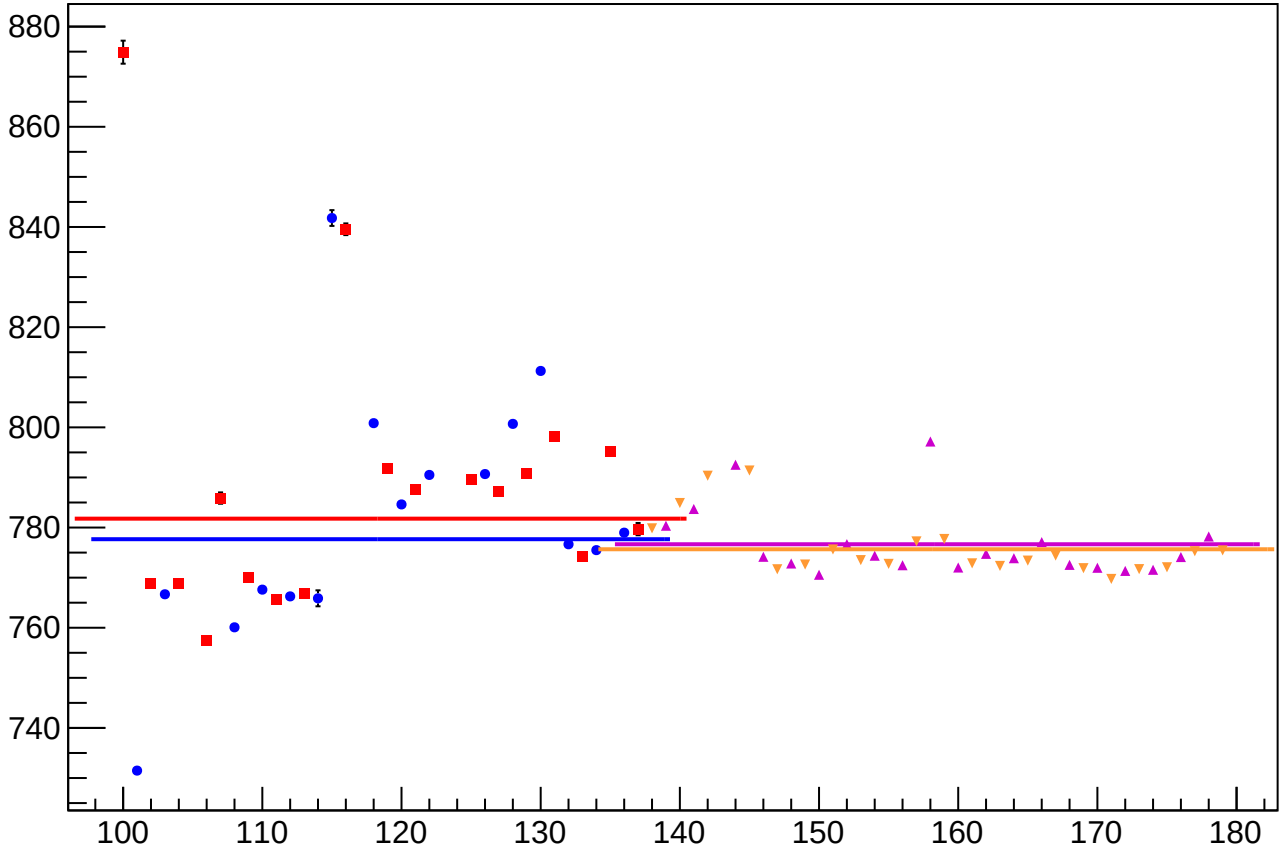
Left In: 298.051+/-192.106 χ^2/NDF:19.5/19

+ sign -300.686+/-158.728 χ^2/NDF: 22.2/36

All: -52.929+/-112.625 χ^2/NDF: 59.2/74

- sign 198.274+/-159.828 χ^2/NDF: 32.1/37

cor_asym_us_dd_rms vs Slug



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

Left Out: 775.667+/-0.134 χ^2/NDF:1630.5/20

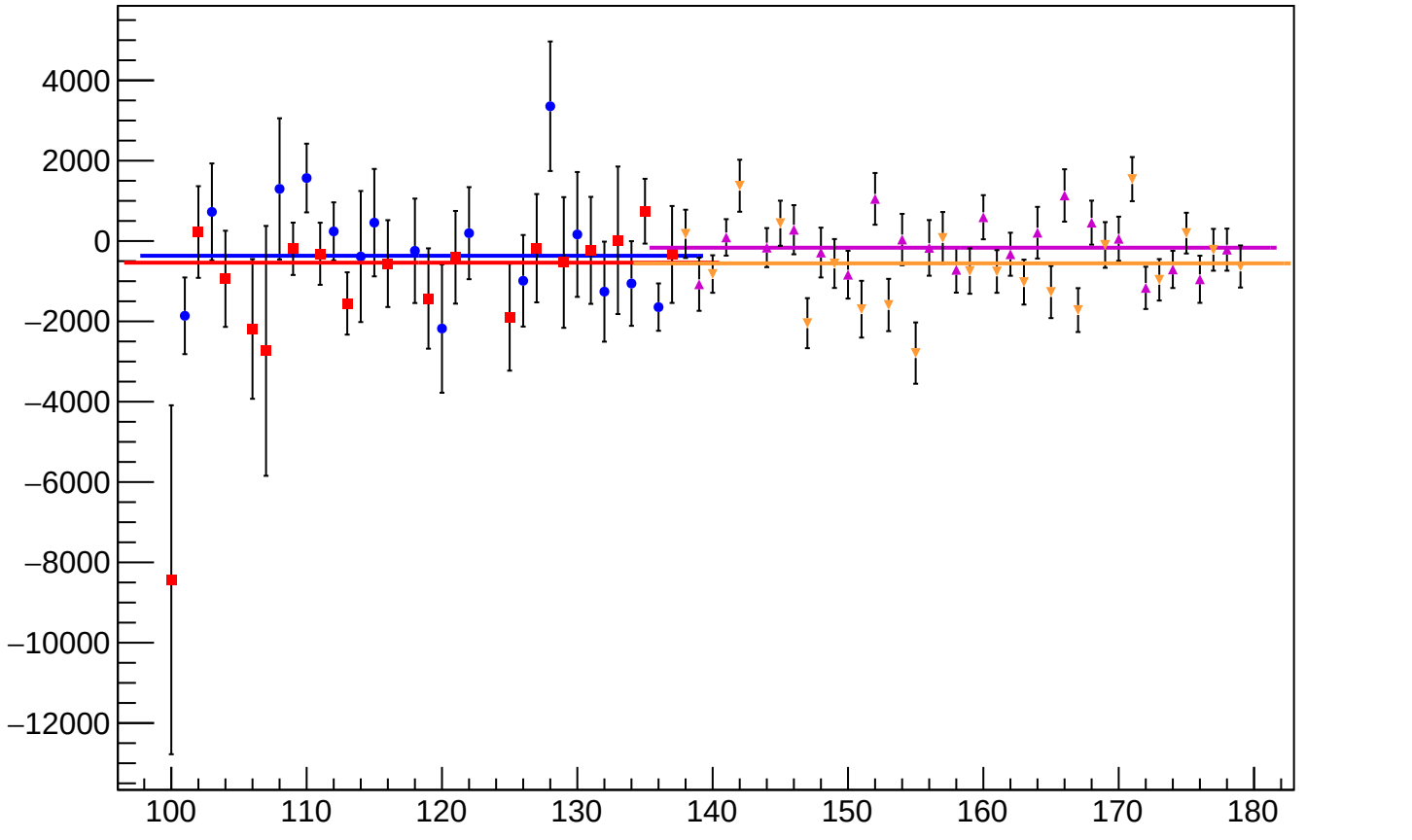
Right Out: 781.777+/-0.204 χ^2/NDF: 7626.3/17

Left In: 776.667+/-0.136 χ^2/NDF:2674.6/19

+ sign 776.272+/-0.112 χ^2/NDF: 13753.3/36

All: 777.249+/-0.080 χ^2/NDF: 24642.3/74

- sign 778.240+/-0.113 χ^2/NDF: 10736.5/37



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

Left Out: -555.599+/-125.342 χ^2/NDF:59.5/20

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

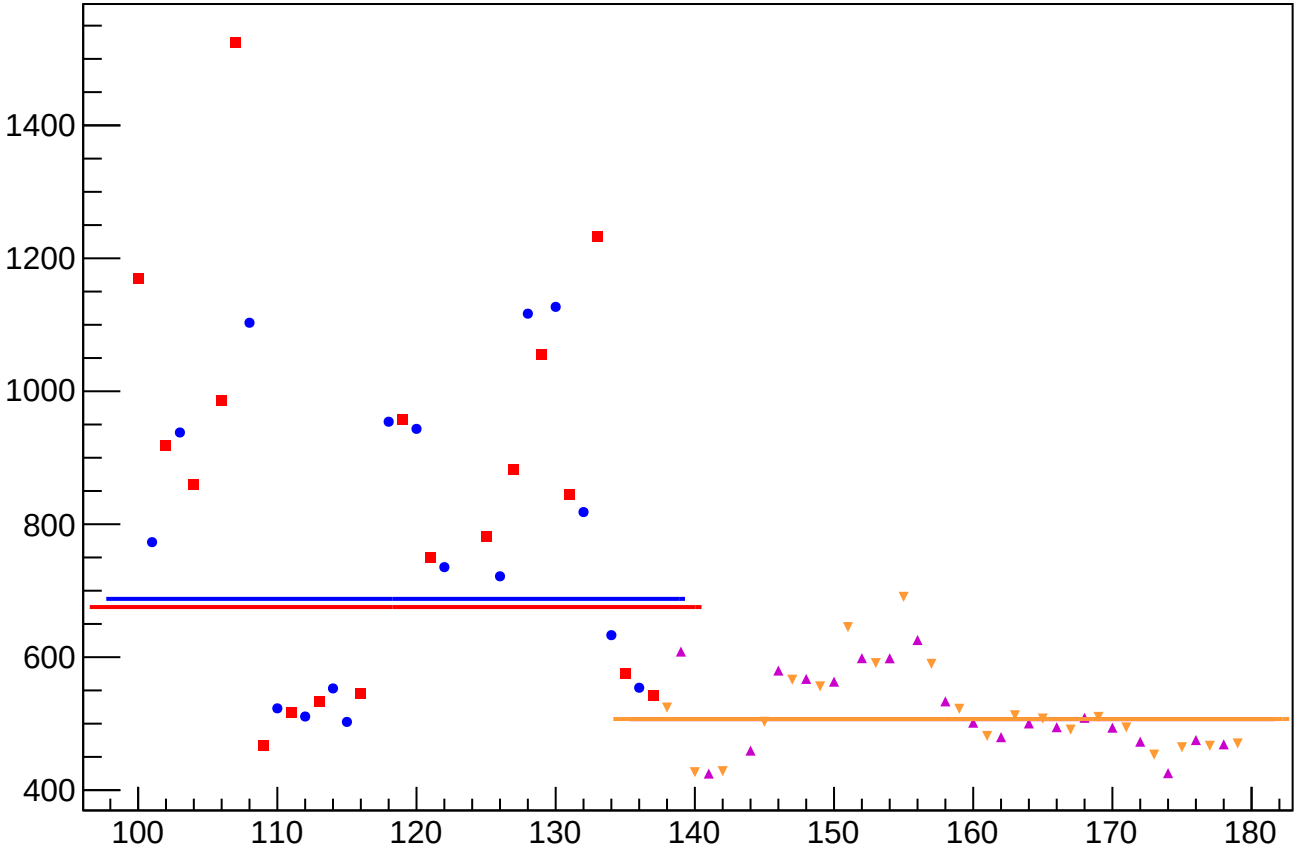
Left In: -166.219+/-126.447 χ^2/NDF:23.2/19

+ sign -521.479+/-113.439 χ^2/NDF: 83.2/36

All: -379.499+/-80.394 χ^2/NDF: 122.9/74

- sign -236.230+/-113.952 χ^2/NDF: 36.5/37

asym_us_dd_cor_correction_rms vs Slug



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

Left Out: 506.941+/-0.089 χ^2/NDF:446216.6/20

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

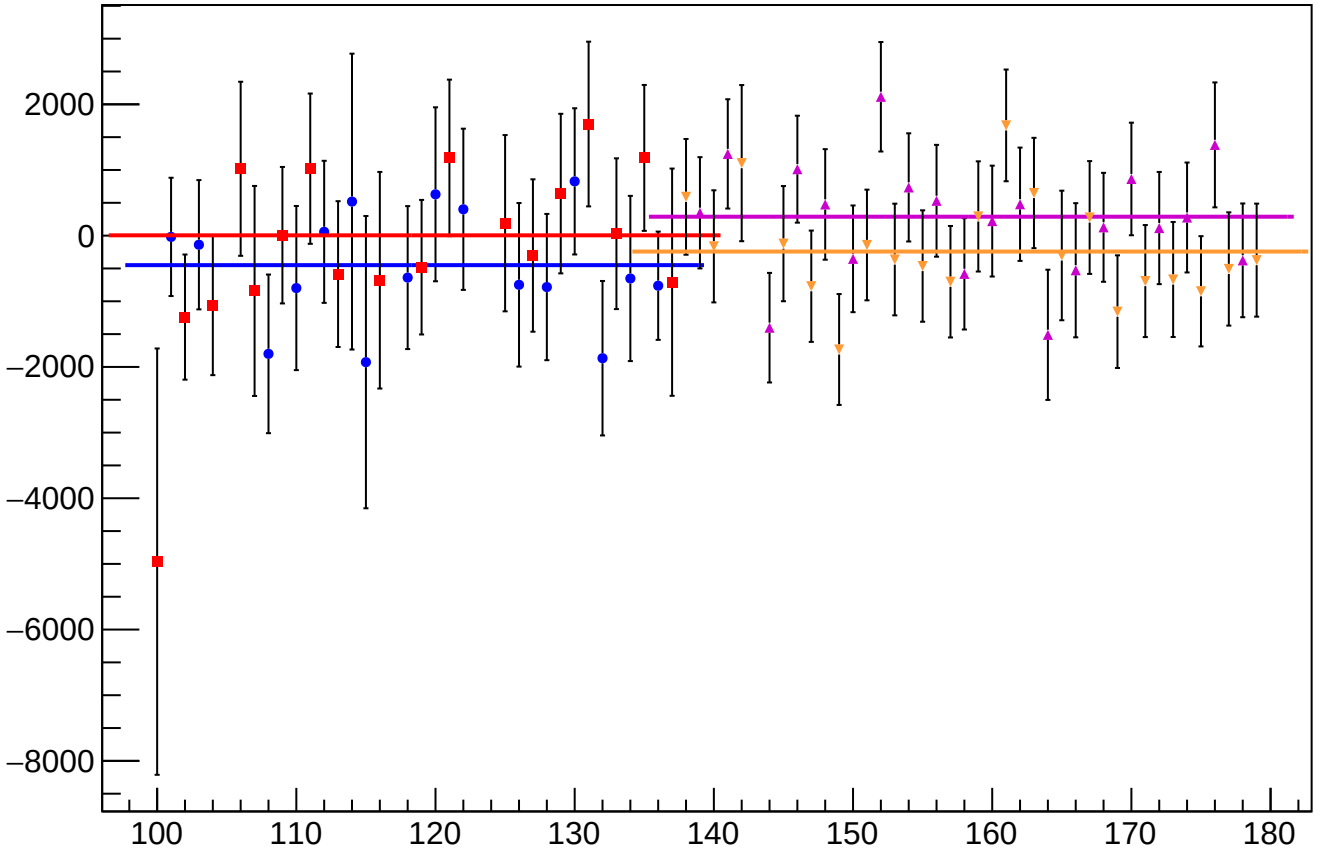
Left In: 506.790+/-0.089 χ^2/NDF:435305.0/19

+ sign 539.646+/-0.080 χ^2/NDF: 2230783.2/36

All: 539.060+/-0.057 χ^2/NDF: 4647345.3/74

- sign 538.467+/-0.081 χ^2/NDF: 2416454.5/37

overload_cor_asym_us_dd_mean vs Slug



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

Left Out: -242.333+/-189.760 χ^2/NDF:15.4/20

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

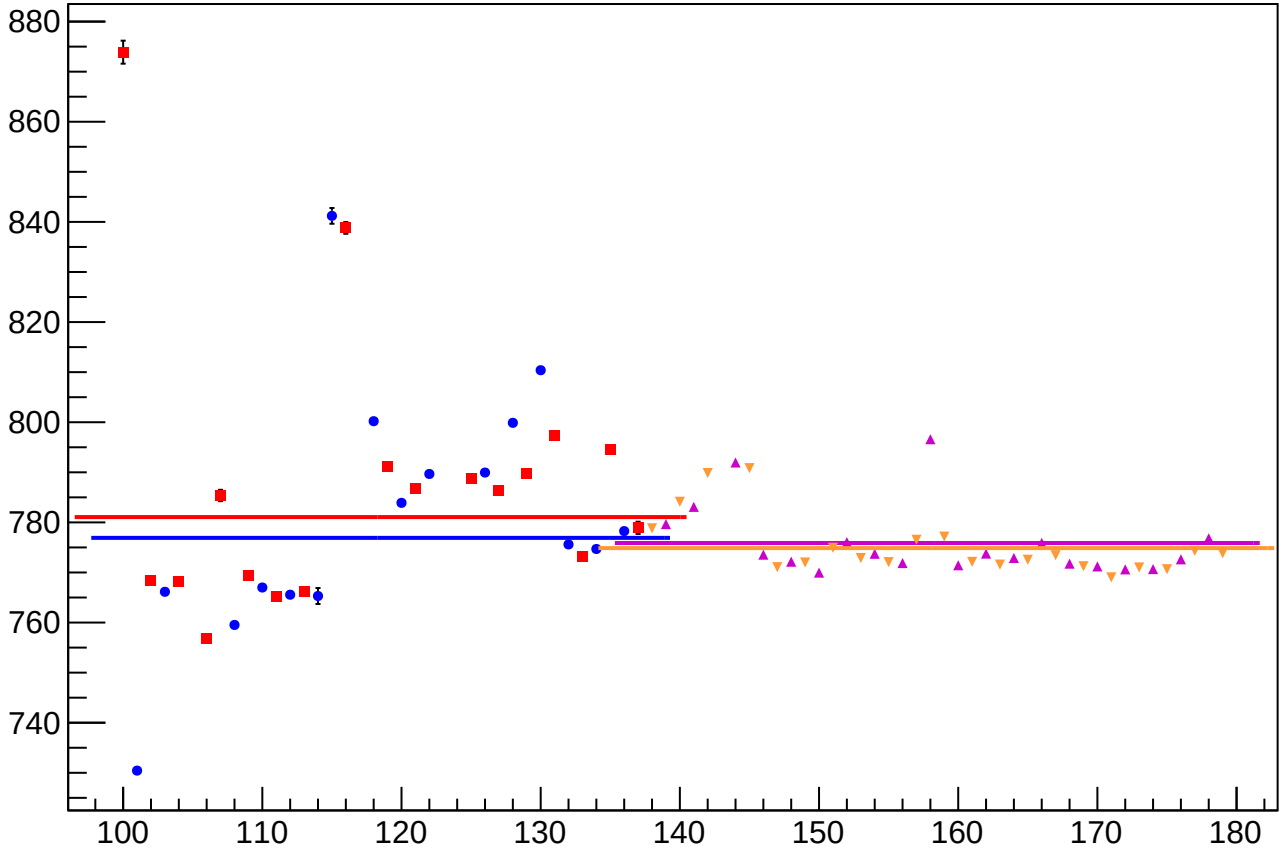
Left In: 288.240+/-191.914 χ^2/NDF:19.5/19

+ sign -304.822+/-158.567 χ^2/NDF: 22.5/36

All: -53.689+/-112.513 χ^2/NDF: 59.6/74

- sign 200.957+/-159.672 χ^2/NDF: 32.1/37

overload_cor_asym_us_dd_rms vs Slug



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

Left Out: 774.866+/-0.134 χ^2/NDF:1664.8/20

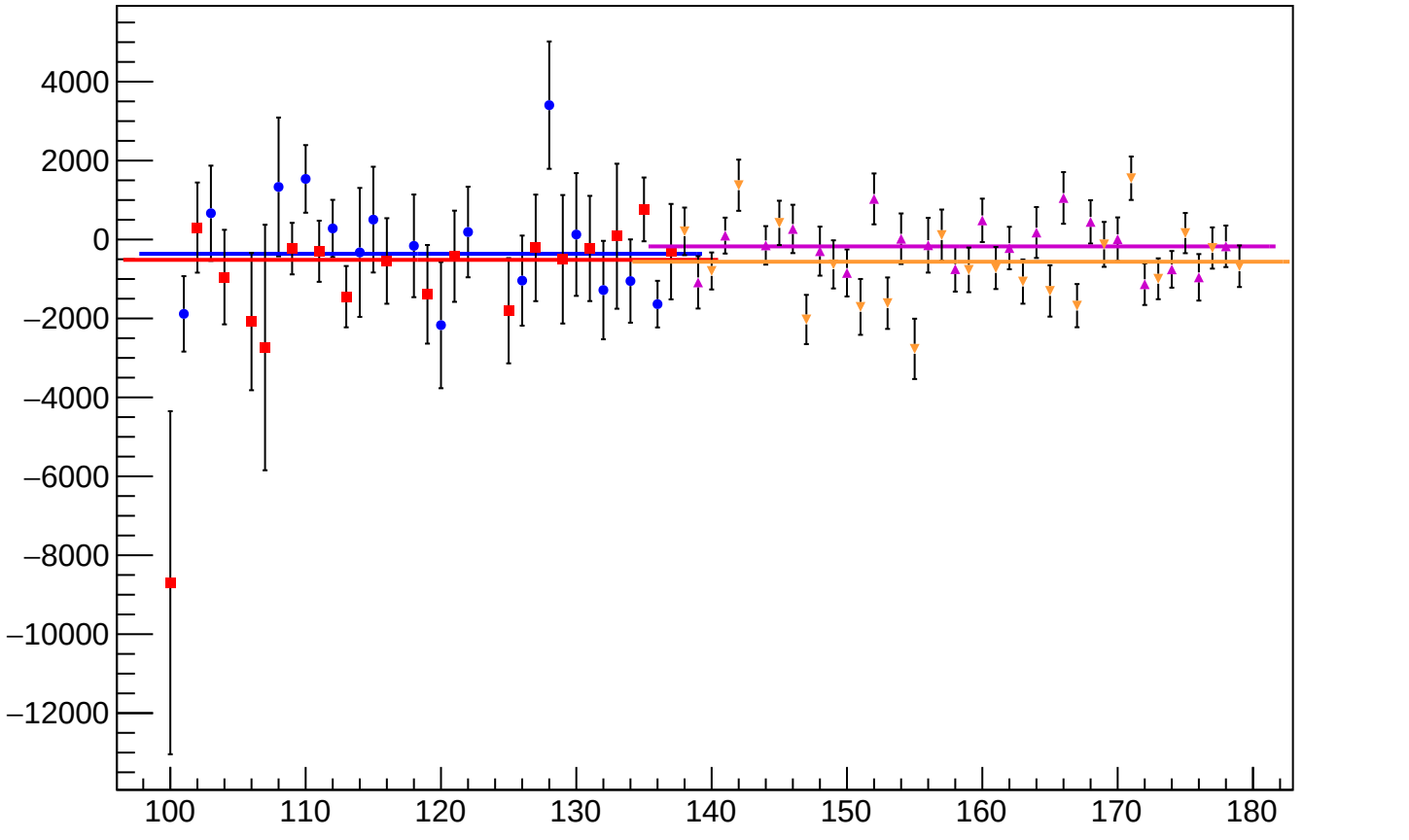
Right Out: 781.061+/-0.204 χ^2/NDF: 7585.8/17

Left In: 775.888+/-0.136 χ^2/NDF:2719.6/19

+ sign 775.484+/-0.112 χ^2/NDF: 13858.6/36

All: 776.475+/-0.080 χ^2/NDF: 24768.7/74

- sign 777.480+/-0.113 χ^2/NDF: 10752.7/37



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

Left Out: -562.509+/-125.672 χ^2/NDF:59.1/20

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

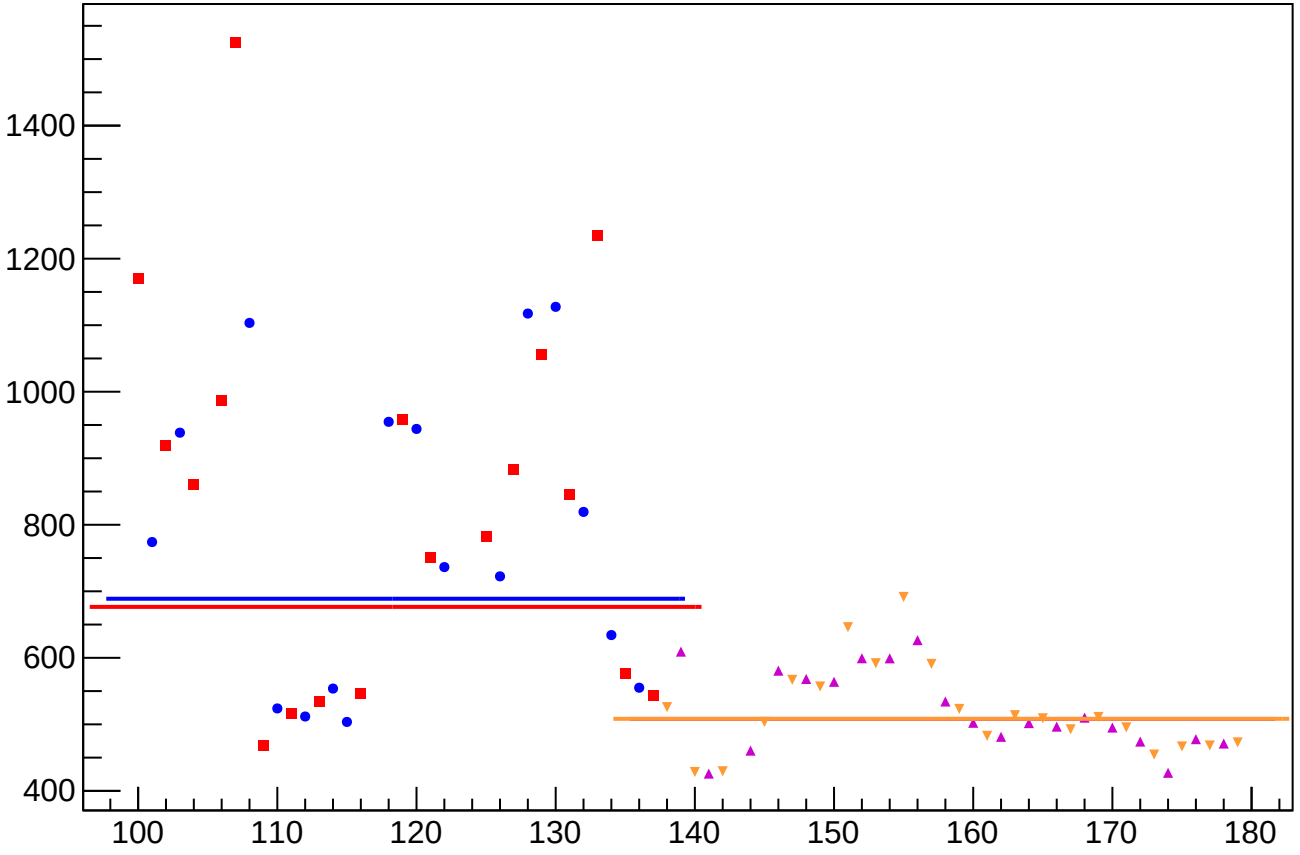
Left In: -174.275+/-126.773 χ^2/NDF:22.0/19

+ sign -526.310+/-113.713 χ^2/NDF: 82.9/36

All: -383.025+/-80.587 χ^2/NDF: 120.8/74

- sign -238.452+/-114.223 χ^2/NDF: 34.7/37

asym_us_dd_overload_cor_correction_rms vs Slug



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

Left Out: 508.331+/-0.089 χ^2/NDF:440696.0/20

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

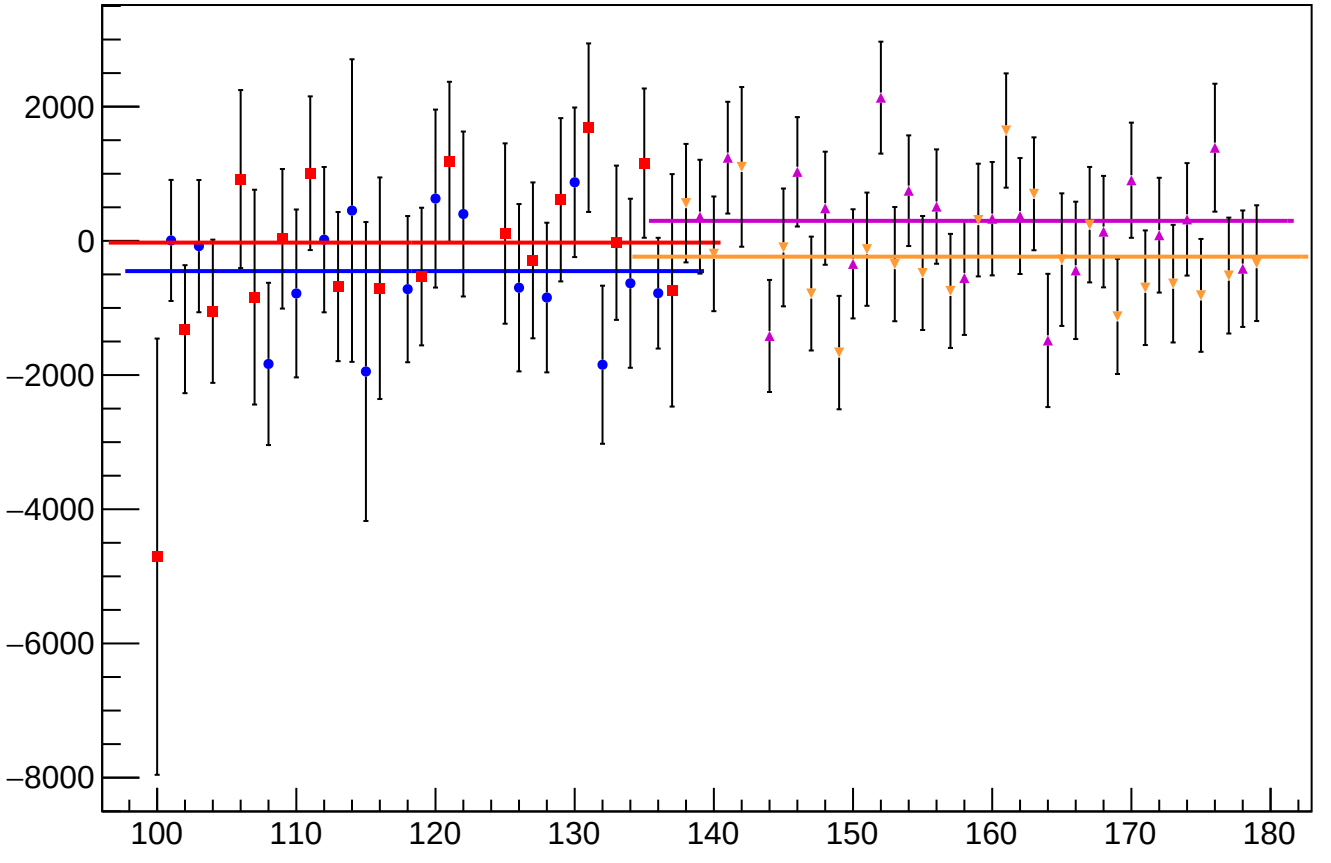
Left In: 508.147+/-0.090 χ^2/NDF:429741.5/19

+ sign 541.049+/-0.080 χ^2/NDF: 2216665.3/36

All: 540.449+/-0.057 χ^2/NDF: 4618895.7/74

- sign 539.843+/-0.081 χ^2/NDF: 2402118.3/37

eigen_cor_asym_us_dd_mean vs Slug



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

Left Out: -235.744+/-189.955 χ^2/NDF:14.9/20

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

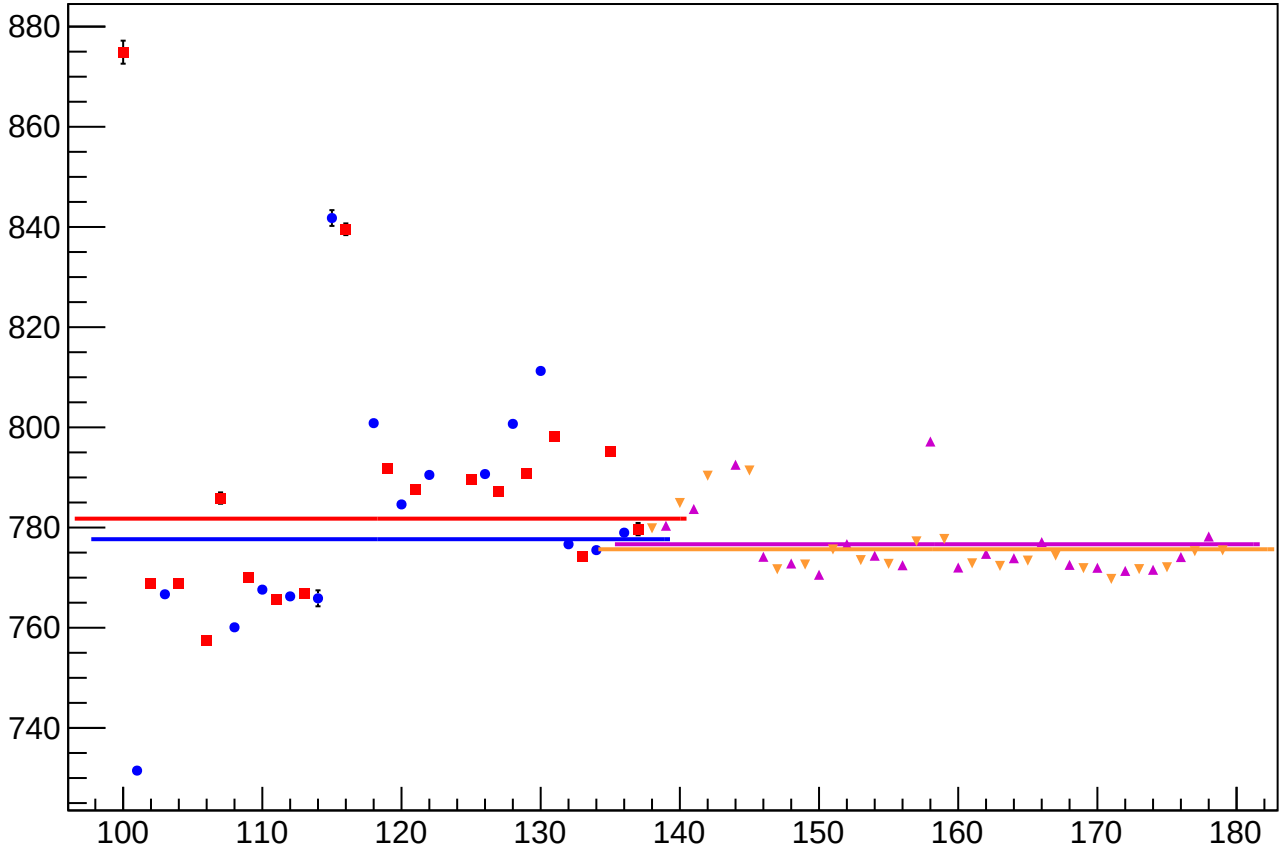
Left In: 298.051+/-192.106 χ^2/NDF:19.5/19

+ sign -300.686+/-158.728 χ^2/NDF: 22.2/36

All: -52.929+/-112.625 χ^2/NDF: 59.2/74

- sign 198.274+/-159.828 χ^2/NDF: 32.1/37

eigen_cor_asym_us_dd_rms vs Slug



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

Left Out: 775.667+/-0.134 χ^2/NDF:1630.5/20

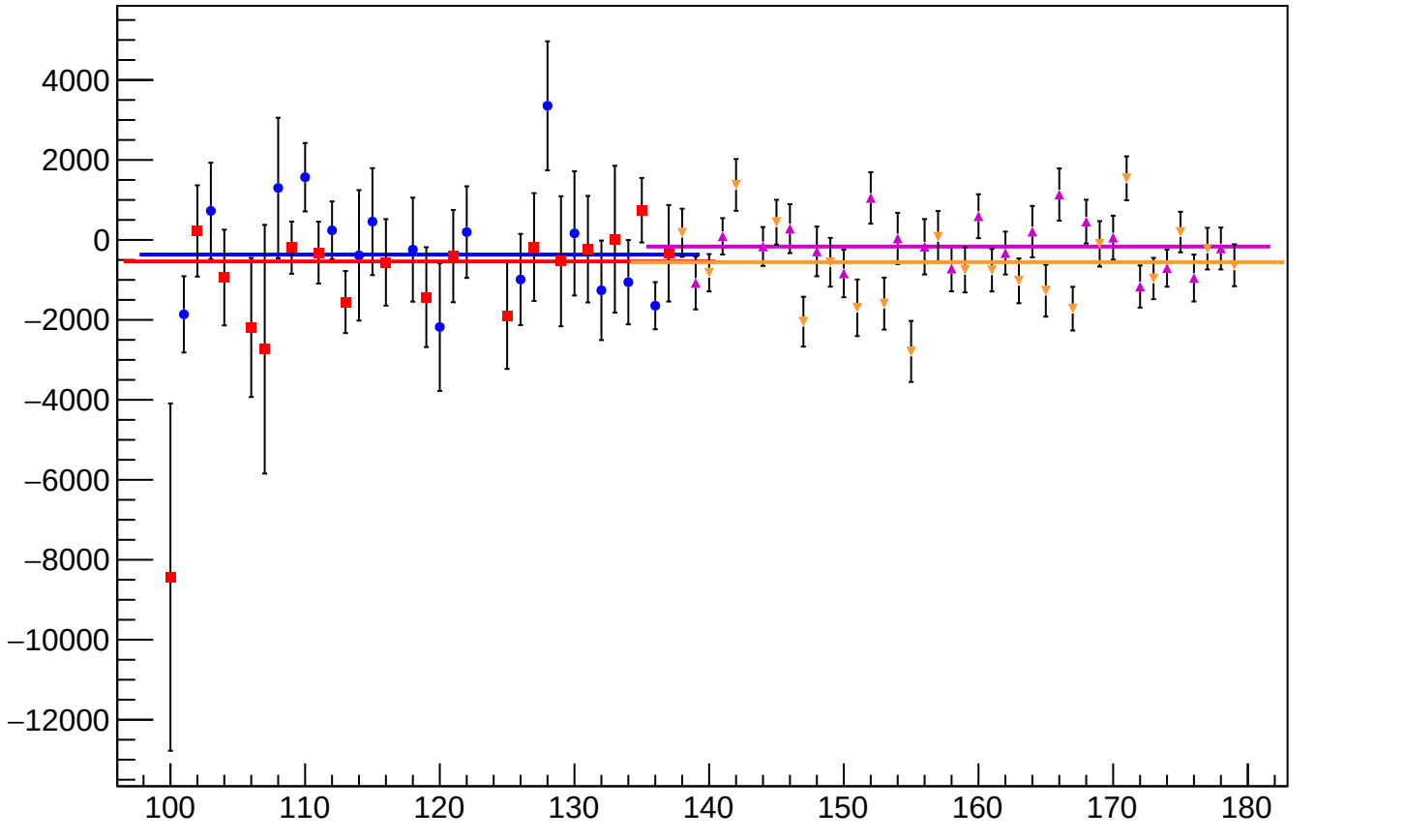
Right Out: 781.777+/-0.204 χ^2/NDF: 7626.3/17

Left In: 776.667+/-0.136 χ^2/NDF:2674.6/19

+ sign 776.272+/-0.112 χ^2/NDF: 13753.3/36

All: 777.249+/-0.080 χ^2/NDF: 24642.3/74

- sign 778.240+/-0.113 χ^2/NDF: 10736.5/37



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

Left Out: -555.599+/-125.342 χ^2/NDF:59.5/20

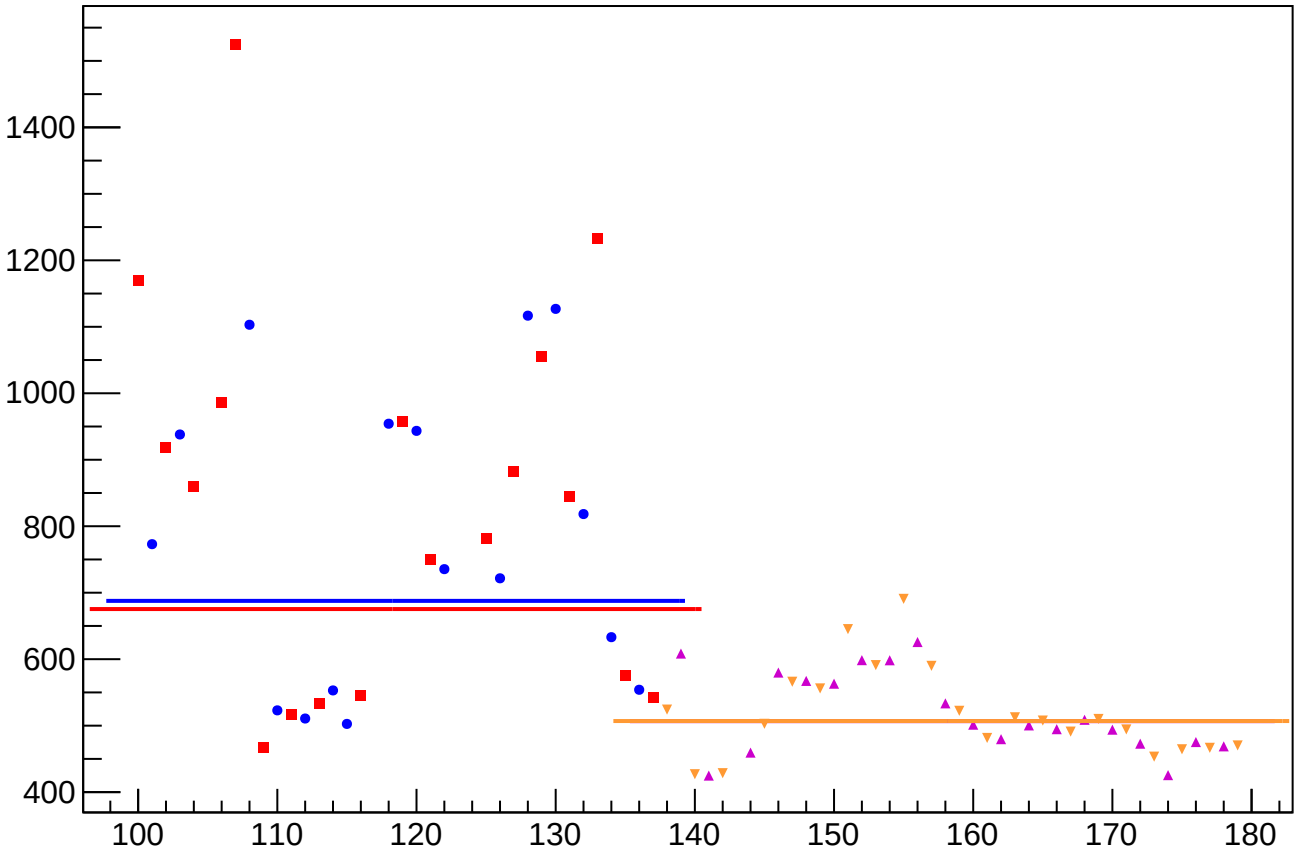
Right Out: -538.887+/-262.907 χ^2/NDF: 11.7/17

Left In: -166.219+/-126.447 χ^2/NDF:23.2/19

+ sign -521.479+/-113.439 χ^2/NDF: 83.2/36

All: -379.499+/-80.394 χ^2/NDF: 122.9/74

- sign -236.230+/-113.952 χ^2/NDF: 36.5/37



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

Left Out: 506.941+/-0.089 χ^2/NDF:446216.6/20

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

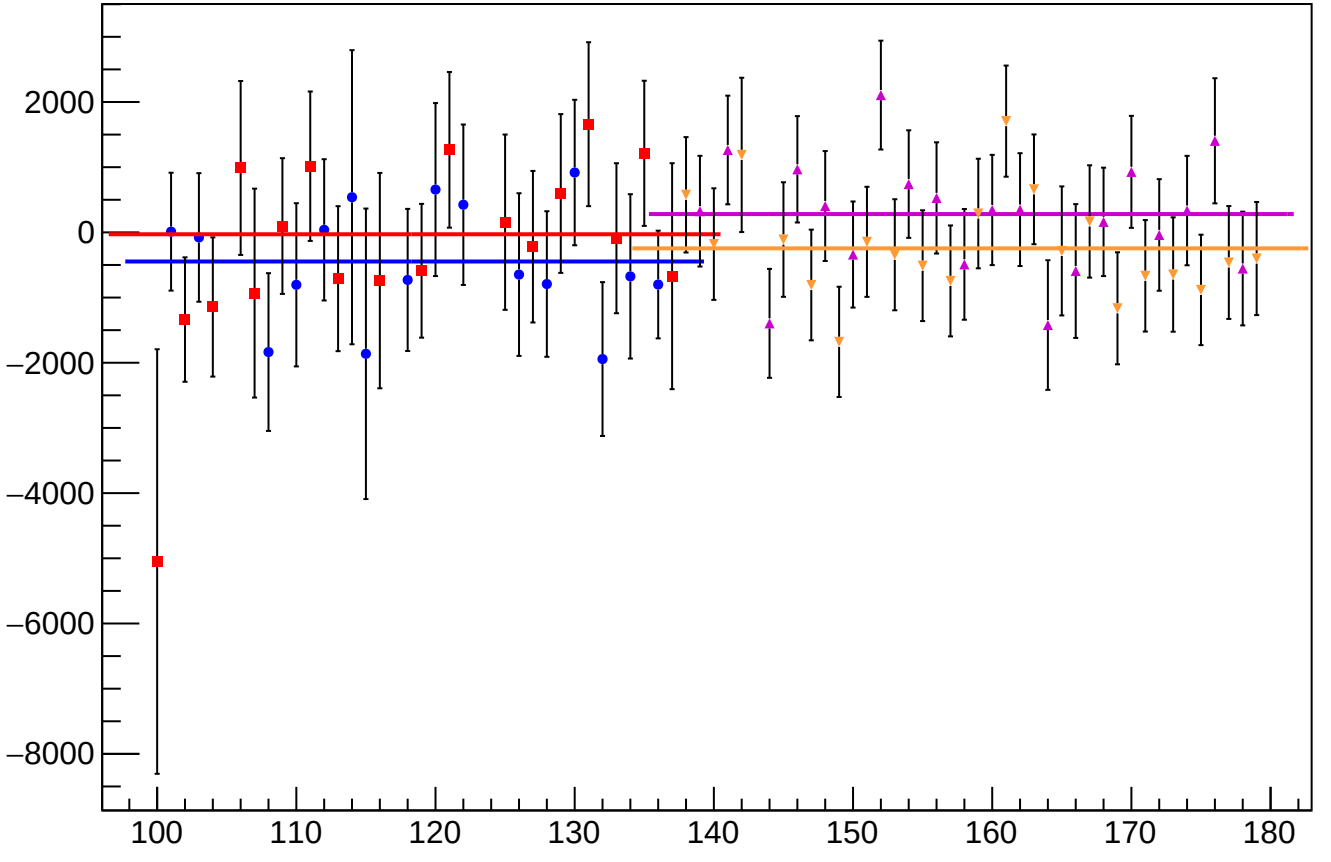
Left In: 506.790+/-0.089 χ^2/NDF:435305.0/19

+ sign 539.646+/-0.080 χ^2/NDF: 2230783.2/36

All: 539.060+/-0.057 χ^2/NDF: 4647345.3/74

- sign 538.467+/-0.081 χ^2/NDF: 2416454.5/37

dit_asym_us_dd_mean vs Slug



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

Left Out: -244.949+/-190.239 χ^2/NDF:15.4/20

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

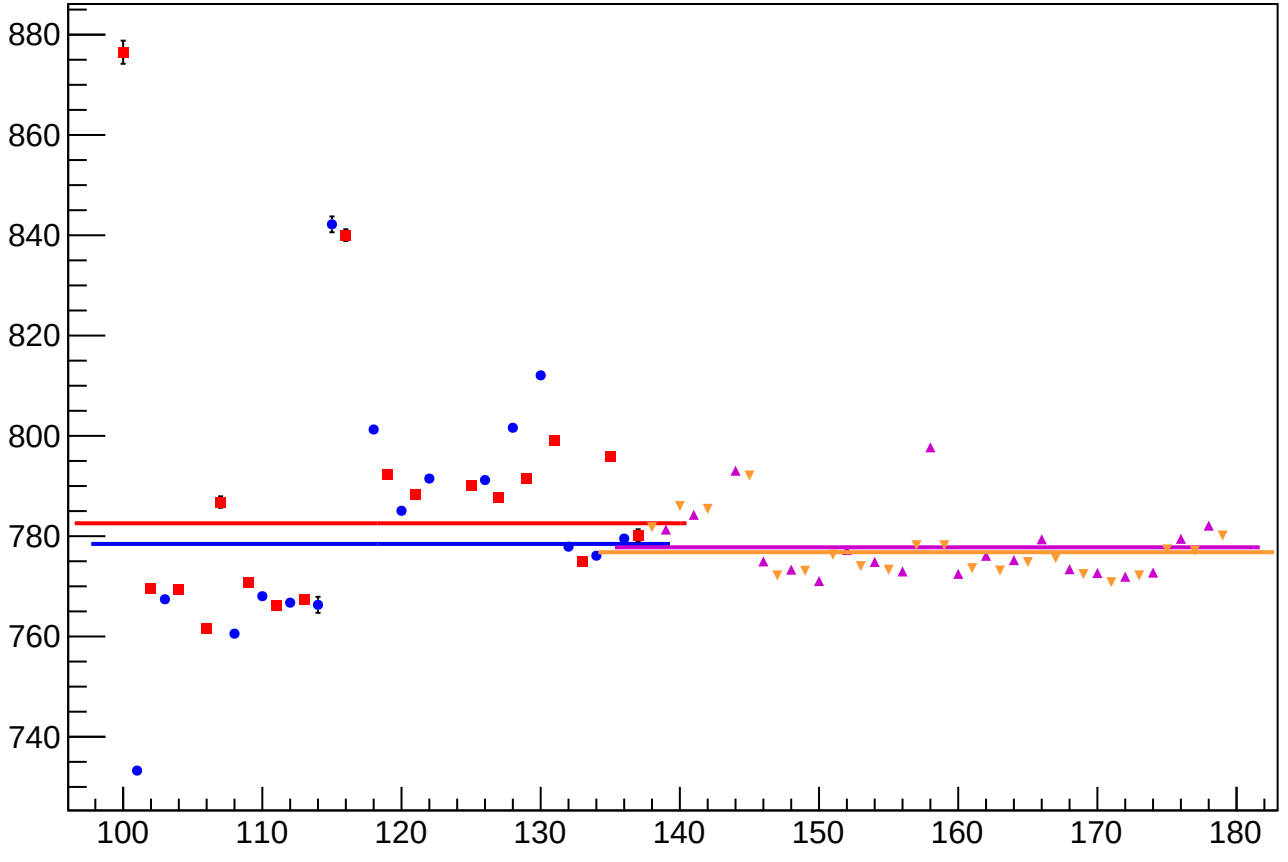
Left In: 280.919+/-192.382 χ^2/NDF:19.4/19

+ sign -305.859+/-158.942 χ^2/NDF: 23.1/36

All: -61.851+/-112.774 χ^2/NDF: 60.7/74

- sign 185.533+/-160.037 χ^2/NDF: 32.8/37

dit_asym_us_dd_rms vs Slug



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

Left Out: 776.805+/-0.135 χ^2/NDF:1485.5/20

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

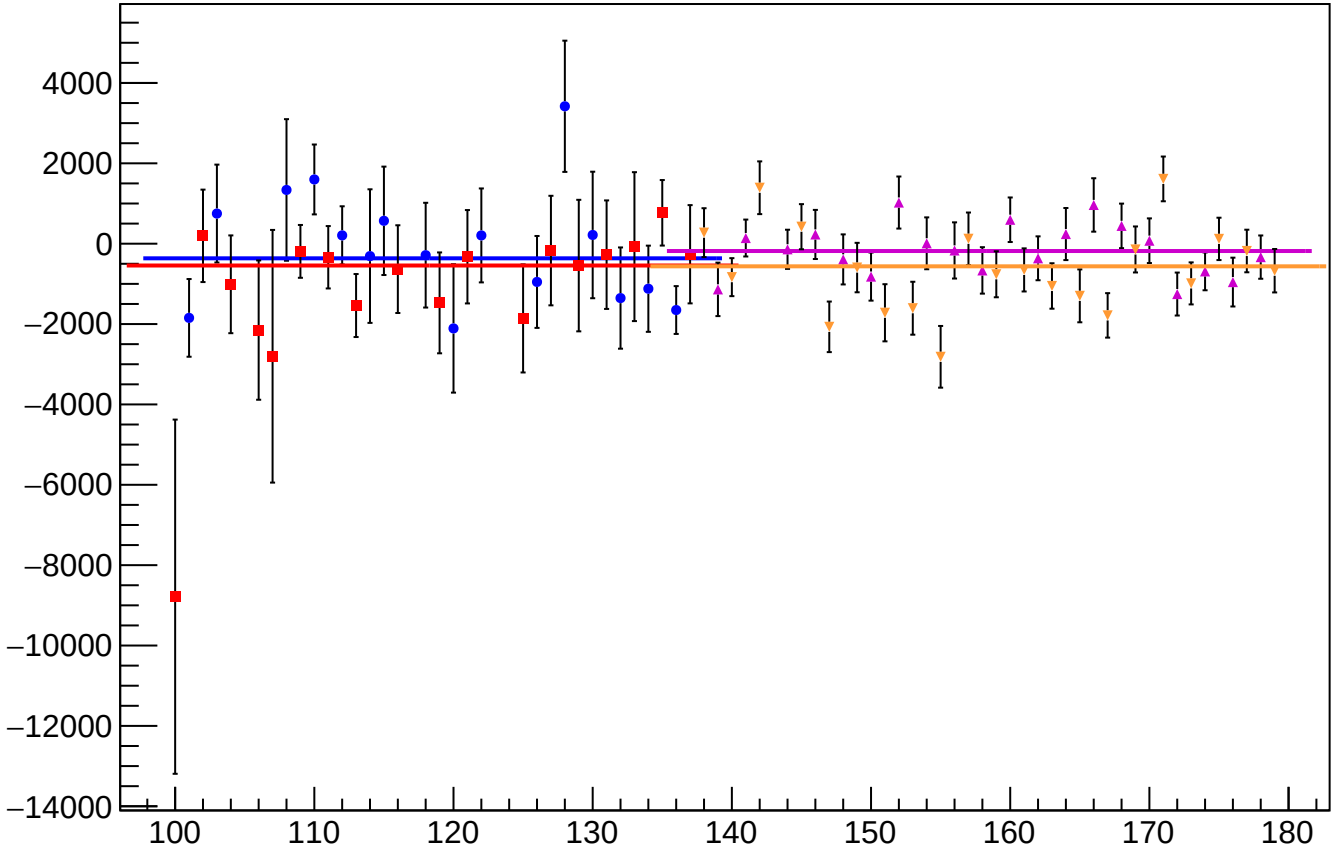
Left In: 777.779+/-0.136 χ^2/NDF:2682.9/19

+ sign 777.303+/-0.112 χ^2/NDF: 13326.2/36

All: 778.273+/-0.080 χ^2/NDF: 24023.3/74

- sign 779.256+/-0.113 χ^2/NDF: 10547.3/37

asym_us_dd_dit_correction_mean vs Slug



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

Left Out: -563.266+/-127.085 χ^2/NDF:60.5/20

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

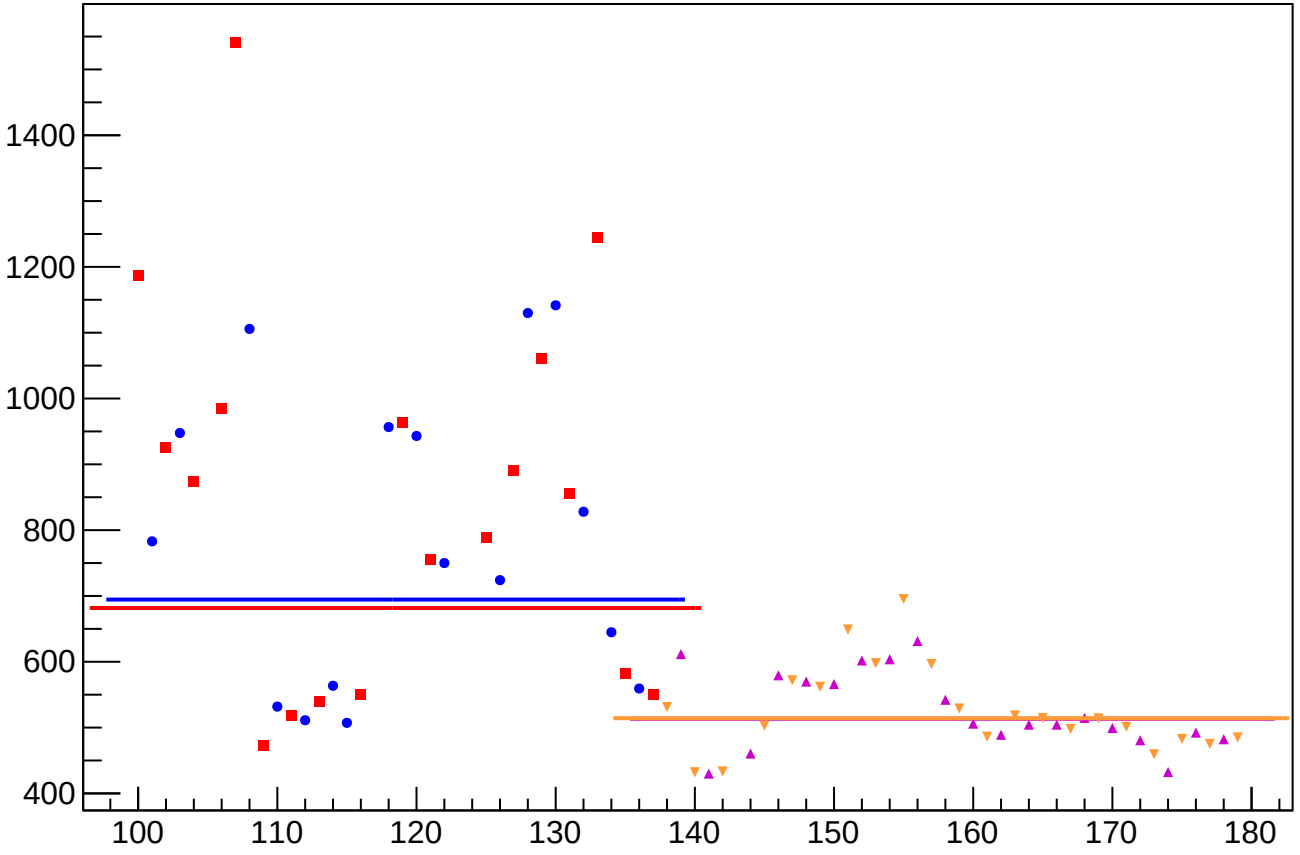
Left In: -182.377+/-128.023 χ^2/NDF:22.4/19

+ sign -526.972+/-114.932 χ^2/NDF: 84.2/36

All: -389.166+/-81.398 χ^2/NDF: 122.7/74

- sign -250.480+/-115.298 χ^2/NDF: 35.6/37

asym_us_dd_dit_correction_rms vs Slug



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

Left Out: 514.214+/-0.090 χ^2/NDF:424717.7/20

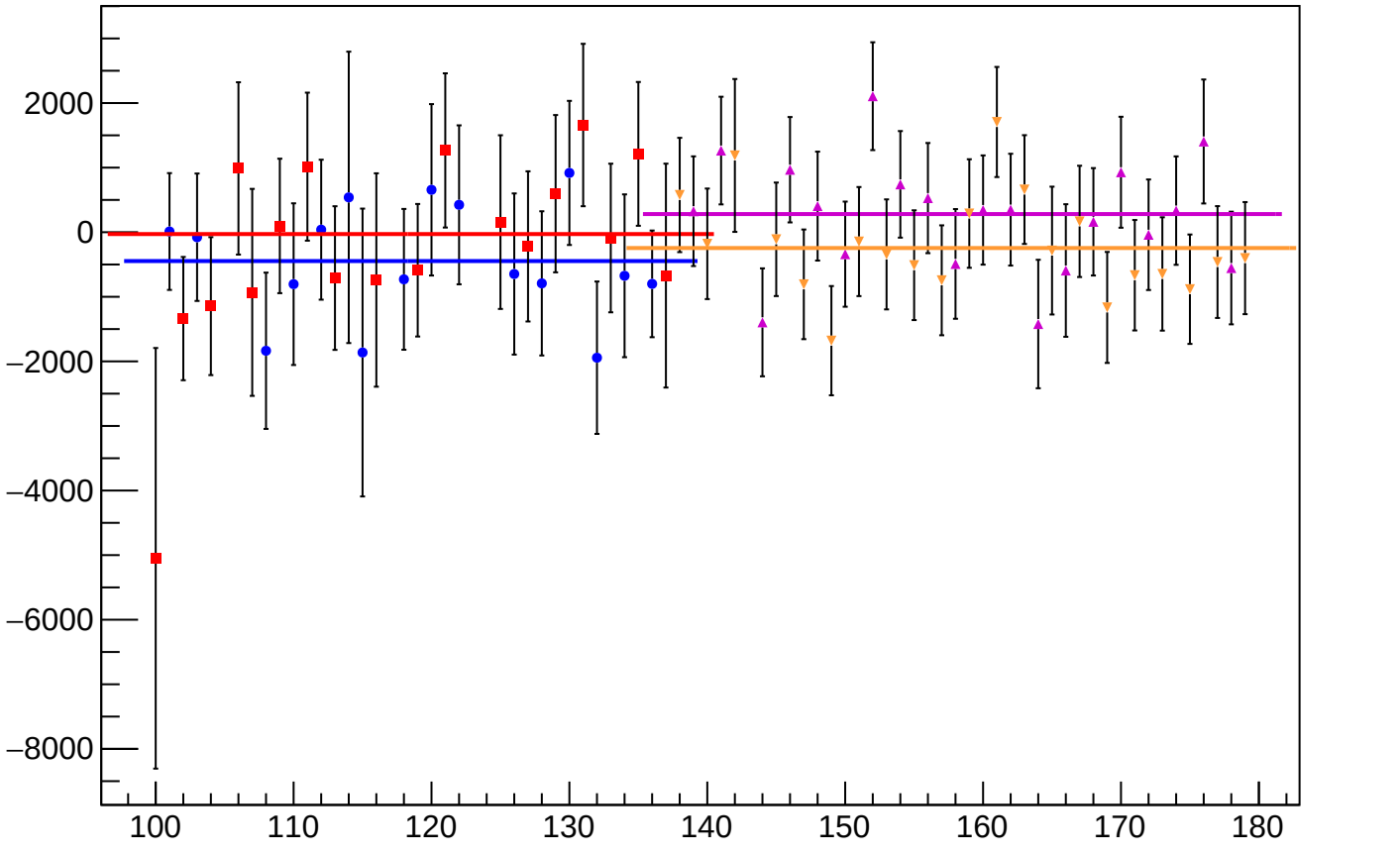
Right Out: 681.744+/-0.188 χ^2/NDF: 1311322.6/17

Left In: 513.392+/-0.091 χ^2/NDF:409090.5/19

+ sign 547.052+/-0.081 χ^2/NDF: 2187813.8/36

All: 546.126+/-0.058 χ^2/NDF: 4561838.5/74

- sign 545.195+/-0.082 χ^2/NDF: 2373764.8/37



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

Left Out: -244.950+/-190.239 χ^2/NDF:15.4/20

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

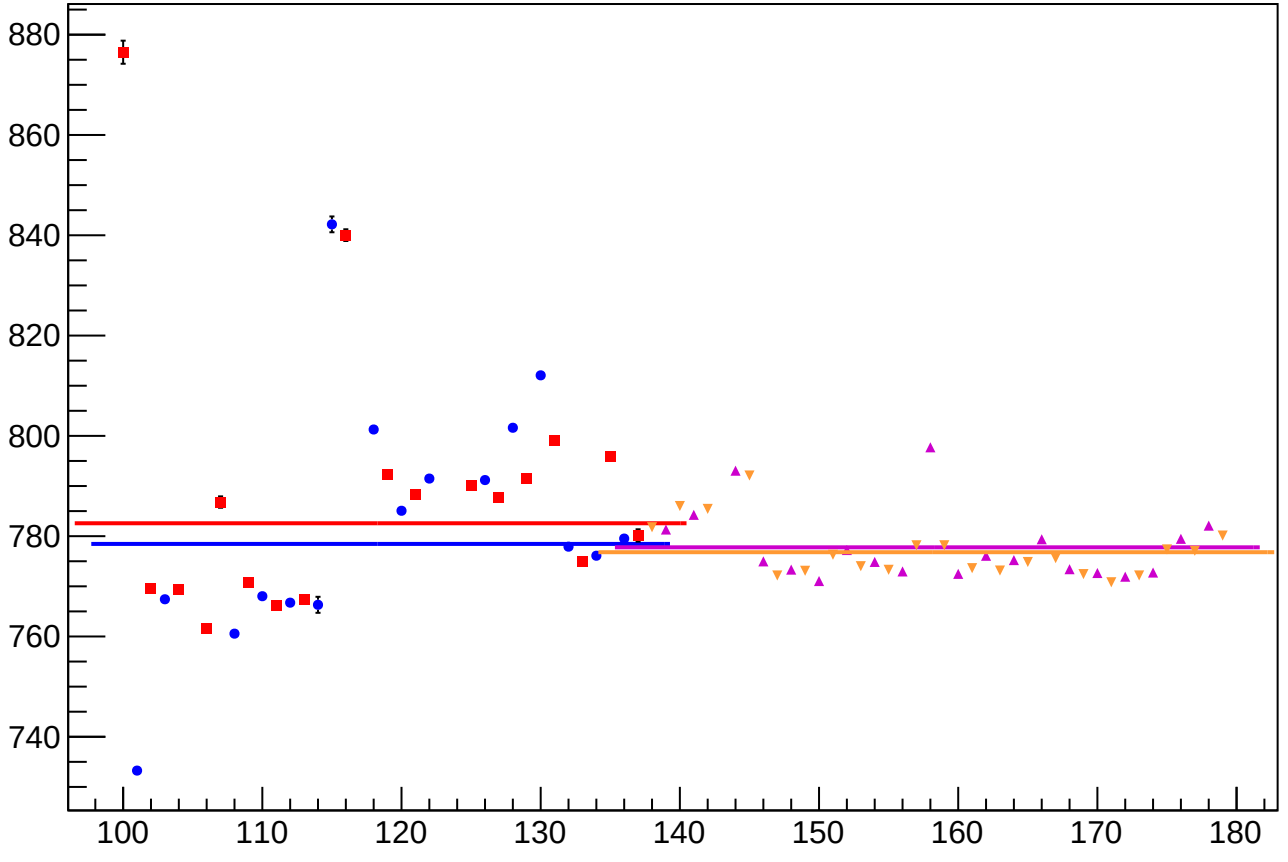
Left In: 280.919+/-192.382 χ^2/NDF:19.4/19

+ sign -305.860+/-158.942 χ^2/NDF: 23.1/36

All: -61.851+/-112.774 χ^2/NDF: 60.7/74

- sign 185.533+/-160.037 χ^2/NDF: 32.8/37

eigen_dit_asym_us_dd_rms vs Slug



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

Left Out: 776.805+/-0.135 χ^2/NDF:1485.5/20

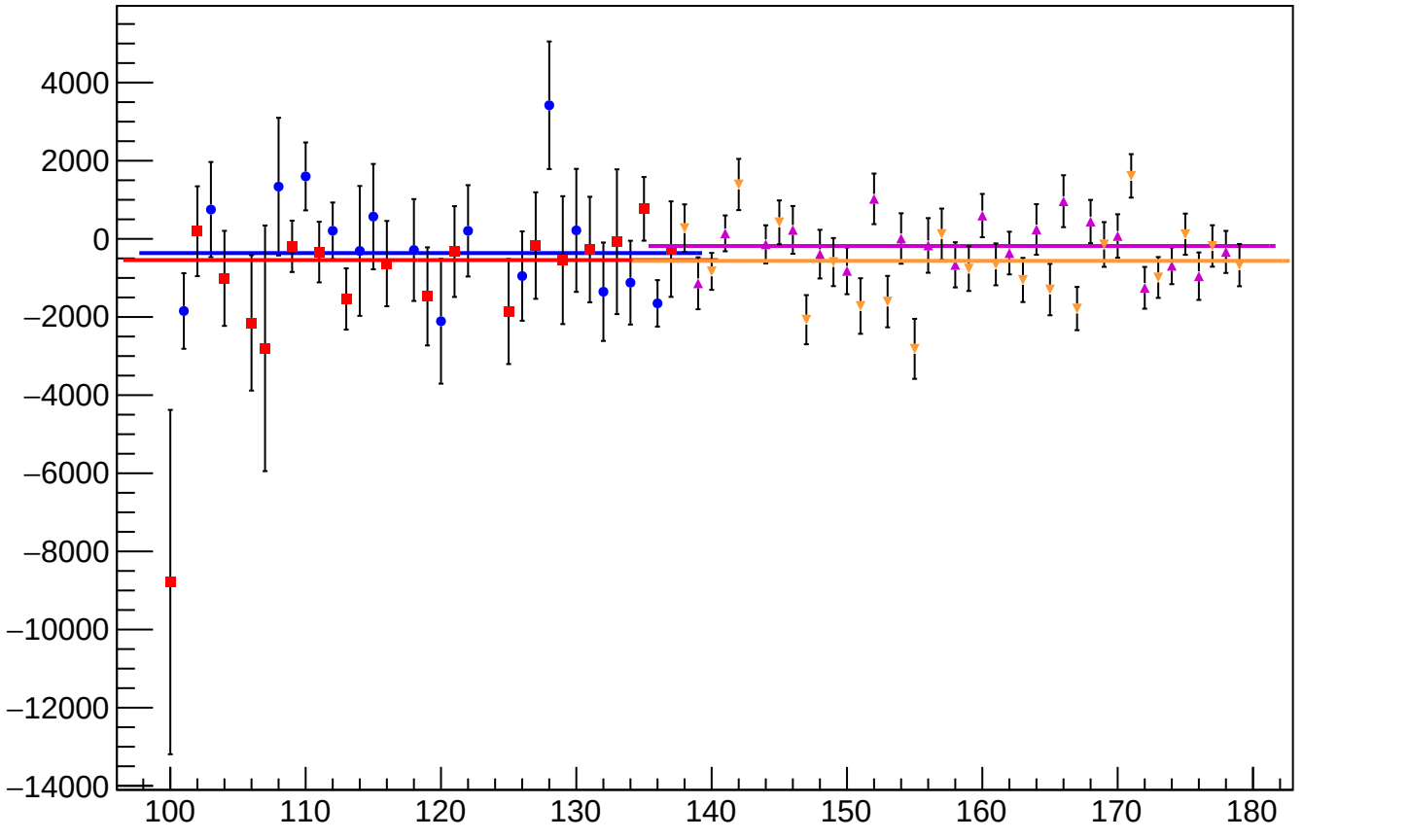
Right Out: 782.575+/-0.204 χ^2/NDF: 7481.4/17

Left In: 777.779+/-0.136 χ^2/NDF:2682.9/19

+ sign 777.303+/-0.112 χ^2/NDF: 13326.1/36

All: 778.273+/-0.080 χ^2/NDF: 24023.3/74

- sign 779.256+/-0.113 χ^2/NDF: 10547.2/37



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

Left Out: -563.266+/-127.085 χ^2/NDF:60.5/20

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

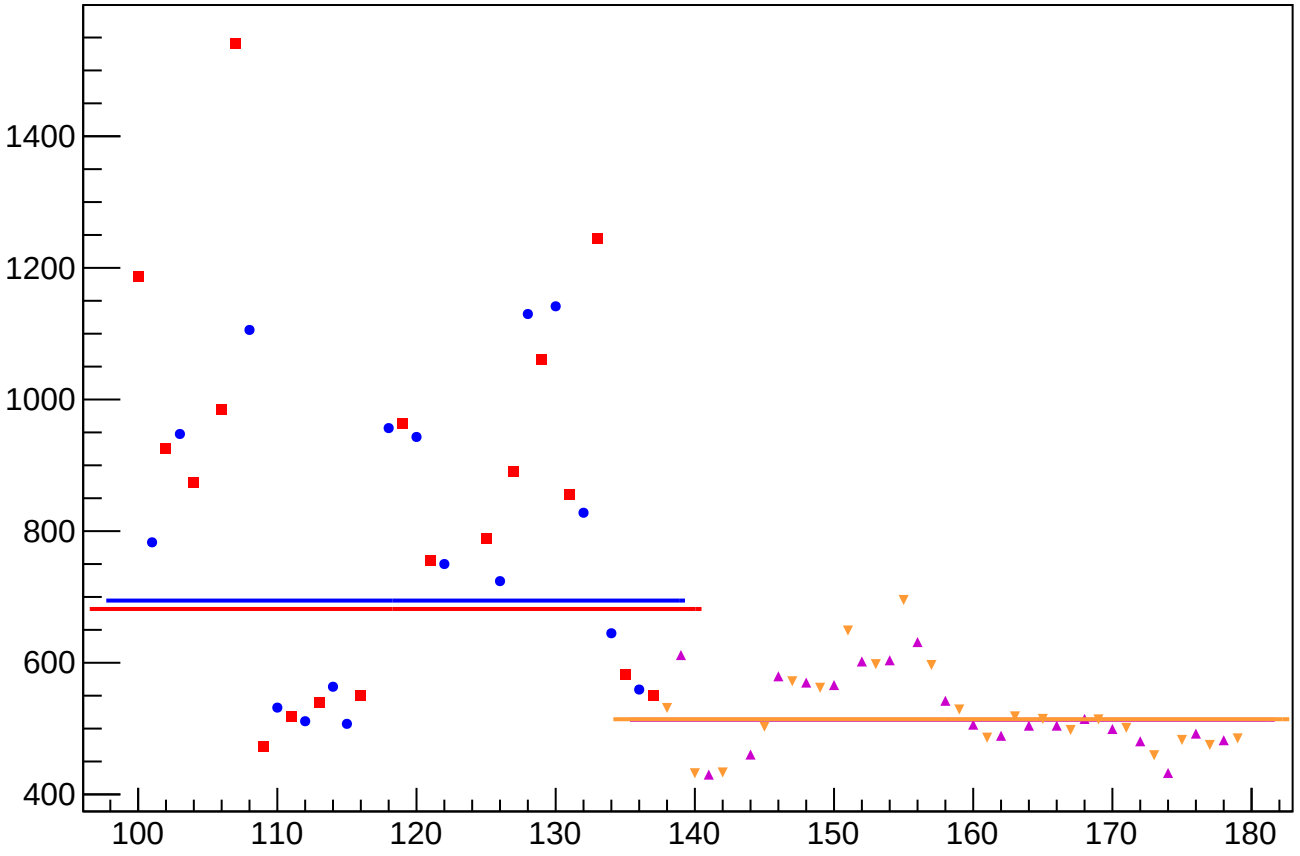
Left In: -182.376+/-128.023 χ^2/NDF:22.4/19

+ sign -526.971+/-114.932 χ^2/NDF: 84.2/36

All: -389.165+/-81.398 χ^2/NDF: 122.7/74

- sign -250.479+/-115.298 χ^2/NDF: 35.6/37

asym_us_dd_eigen_dit_correction_rms vs Slug



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

Left Out: 514.214+/-0.090 χ^2/NDF:424729.5/20

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

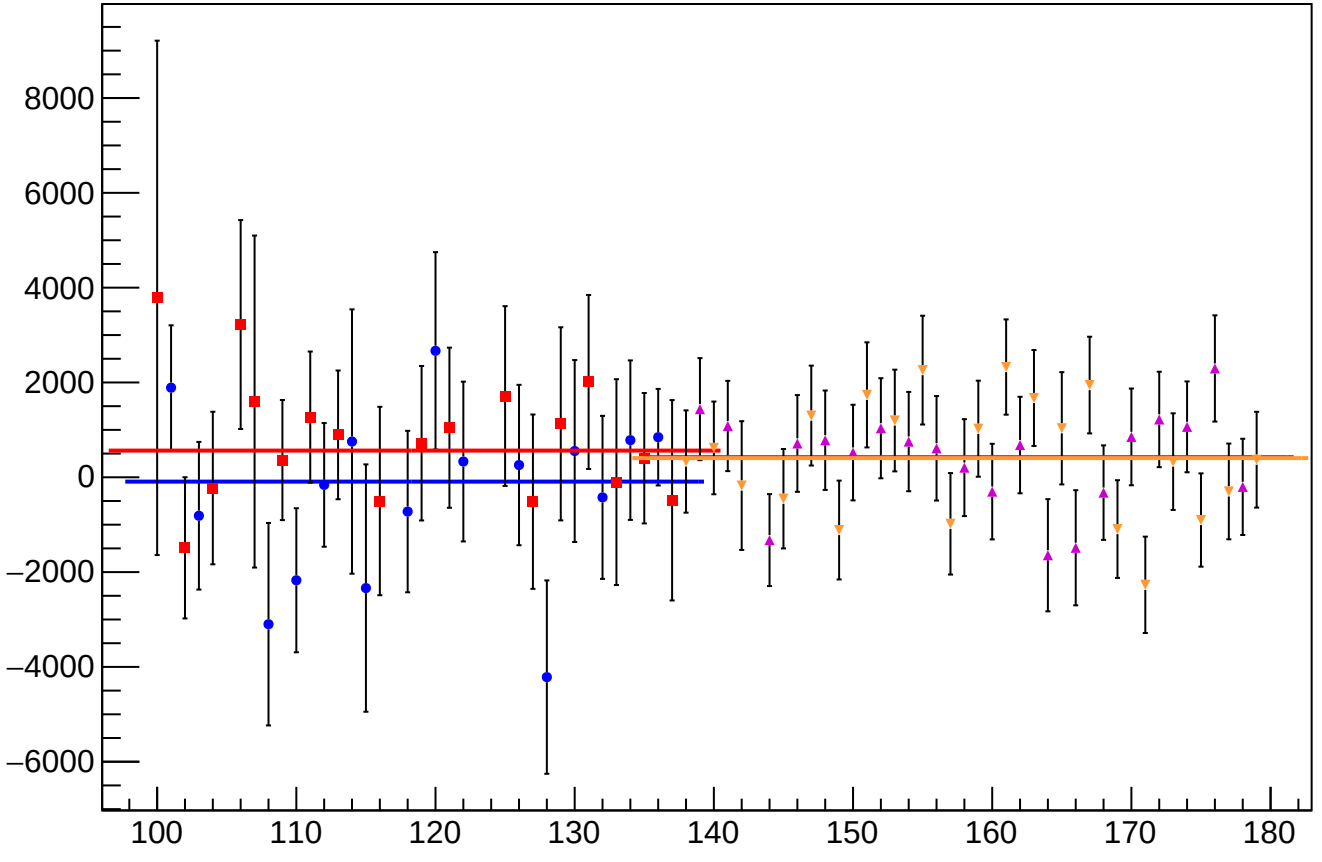
Left In: 513.392+/-0.091 χ^2/NDF:409103.6/19

+ sign 547.051+/-0.081 χ^2/NDF: 2187813.8/36

All: 546.126+/-0.058 χ^2/NDF: 4561849.7/74

- sign 545.195+/-0.082 χ^2/NDF: 2373775.9/37

asym_us_dd_mean vs Slug



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

Left Out: 404.179+/-229.553 χ^2/NDF:29.5/20

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

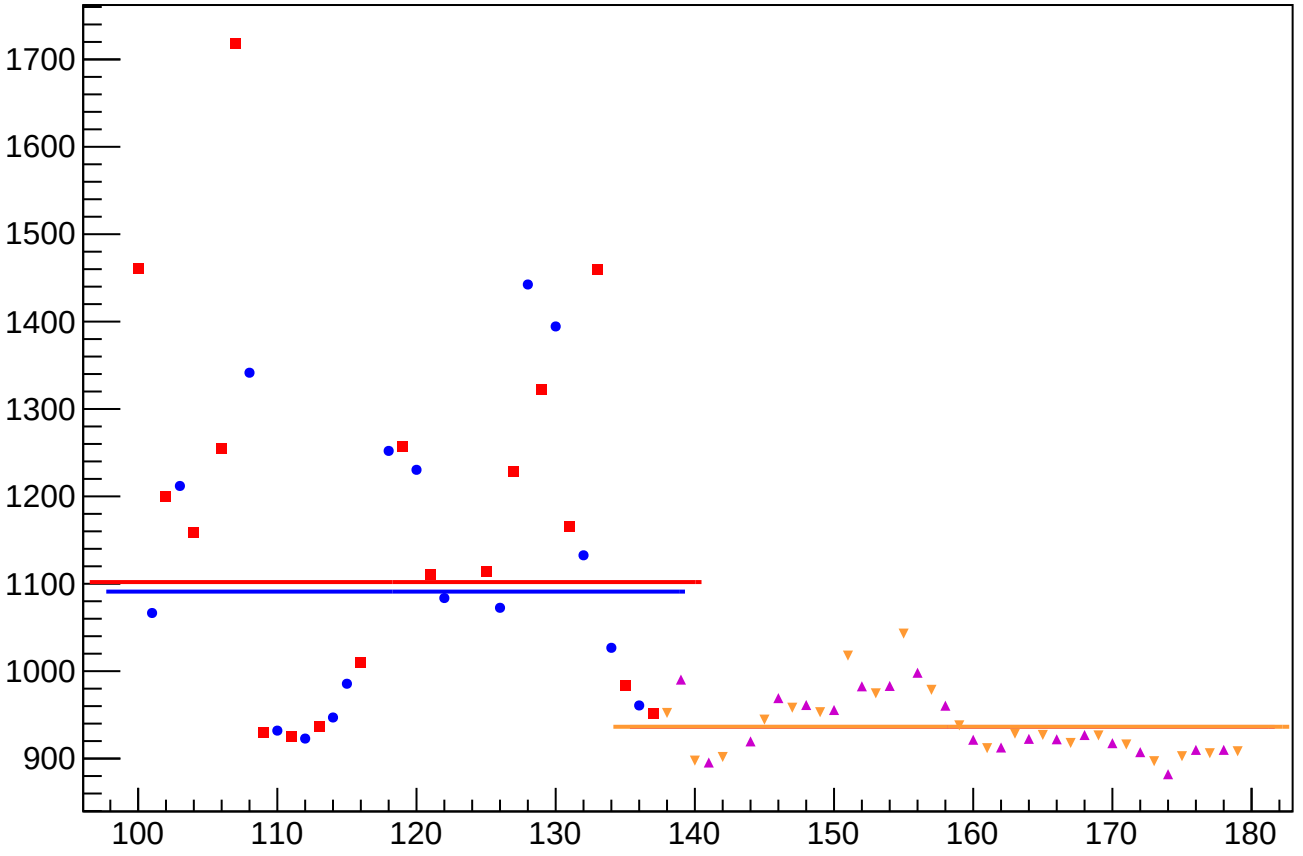
Left In: 424.958+/-231.742 χ^2/NDF:16.4/19

+ sign 285.909+/-200.291 χ^2/NDF: 45.1/36

All: 371.381+/-142.203 χ^2/NDF: 68.5/74

- sign 458.259+/-201.931 χ^2/NDF: 23.0/37

asym_us_dd_rms vs Slug



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

Left Out: 936.381+/-0.162 χ^2/NDF:51819.5/20

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

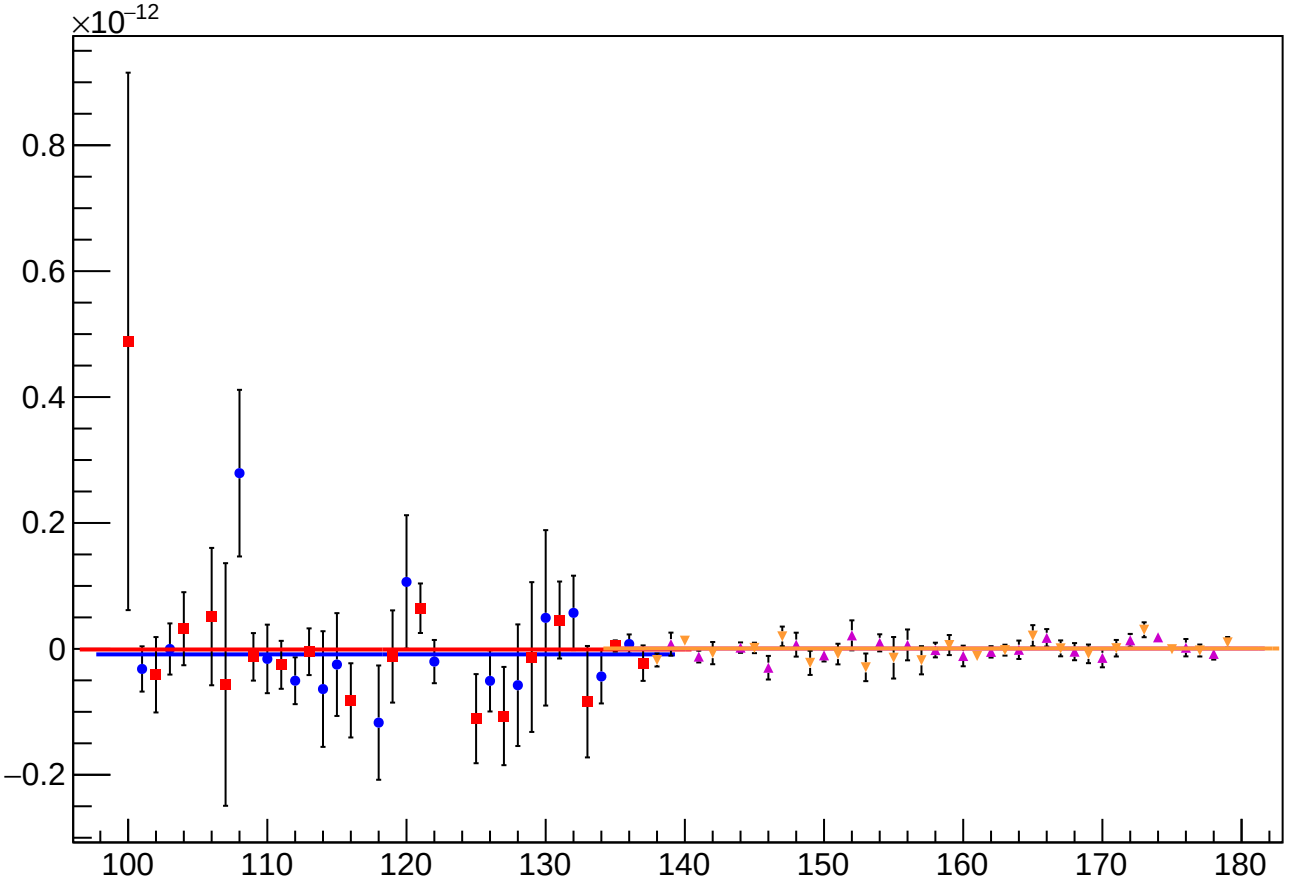
Left In: 936.161+/-0.164 χ^2/NDF:41935.2/19

\+ sign 973.298+/-0.142 χ^2/NDF: 545828.3/36

All: 974.674+/-0.101 χ^2/NDF: 1162482.2/74

\- sign 976.072+/-0.143 χ^2/NDF: 616463.6/37

asym_us_dd_reg_vs_cor_diff_mean vs Slug



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

Left Out: 0.000+/-0.000 χ^2/NDF:24.1/20

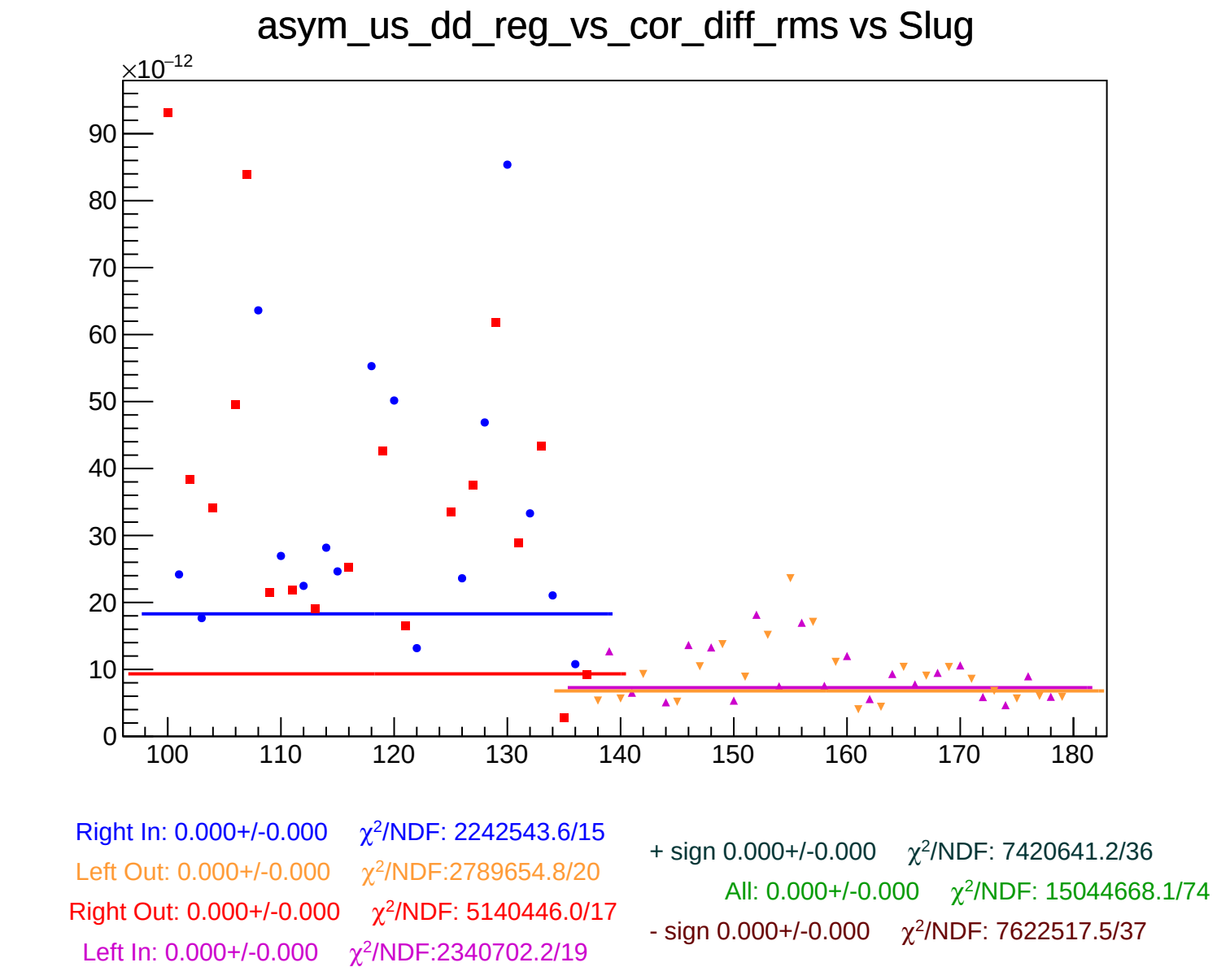
Right Out: -0.000+/-0.000 χ^2/NDF: 14.3/17

Left In: 0.000+/-0.000 χ^2/NDF:18.6/19

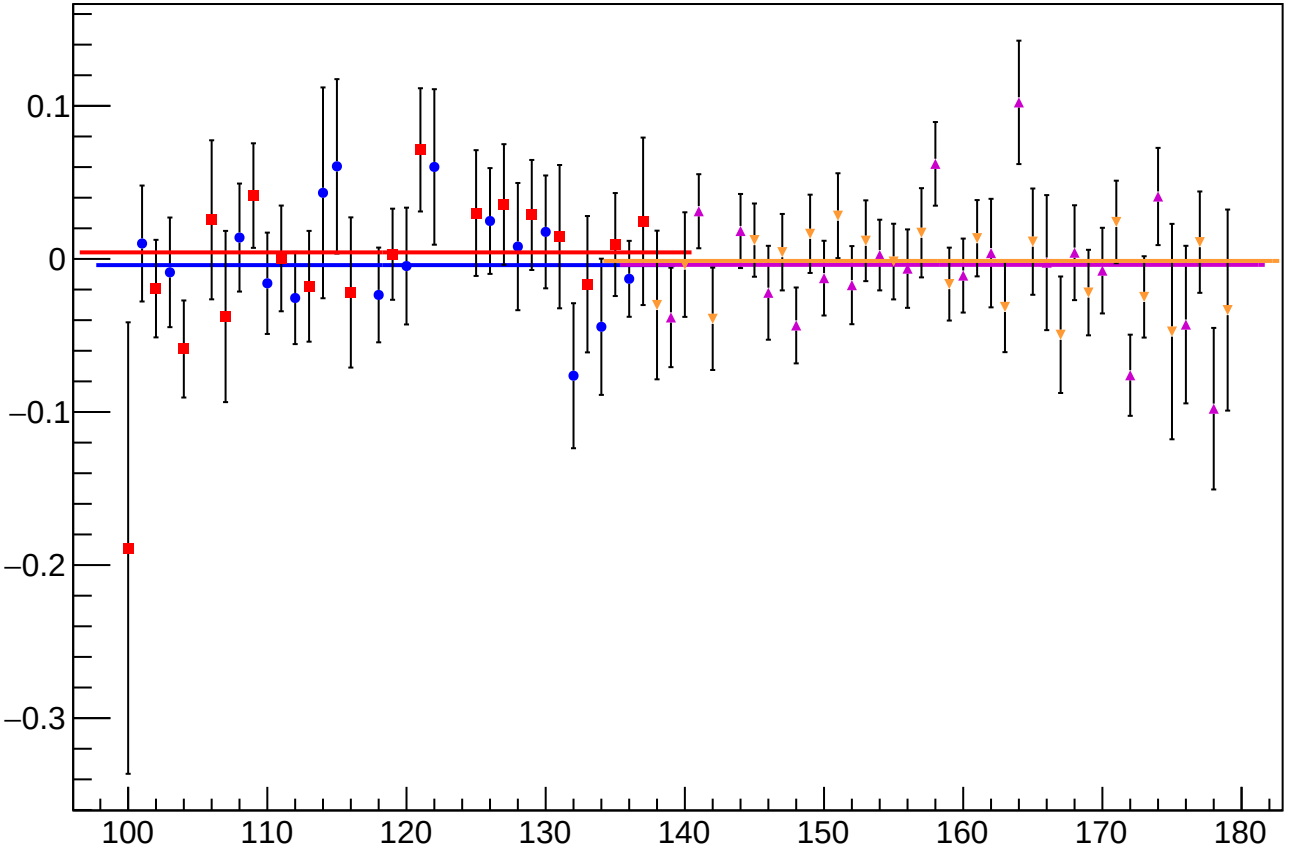
+ sign 0.000+/-0.000 χ^2/NDF: 38.7/36

All: 0.000+/-0.000 χ^2/NDF: 71.6/74

- sign 0.000+/-0.000 χ^2/NDF: 32.9/37


asym_us_dd_reg_vs_cor_diff_rms vs Slug
×10^−12
90
80
70
60
50
40
30
20
10
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2242543.6/15
Left Out: 0.000+/-0.000 χ²/NDF:2789654.8/20
Right Out: 0.000+/-0.000 χ²/NDF: 5140446.0/17
Left In: 0.000+/-0.000 χ²/NDF:2340702.2/19
+ sign 0.000+/-0.000 χ²/NDF: 7420641.2/36
All: 0.000+/-0.000 χ²/NDF: 15044668.1/74
- sign 0.000+/-0.000 χ²/NDF: 7622517.5/37

asym_us_dd_dit_vs_cor_diff_mean vs Slug



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

Left Out: -0.001+/-0.006 χ^2/NDF:10.8/20

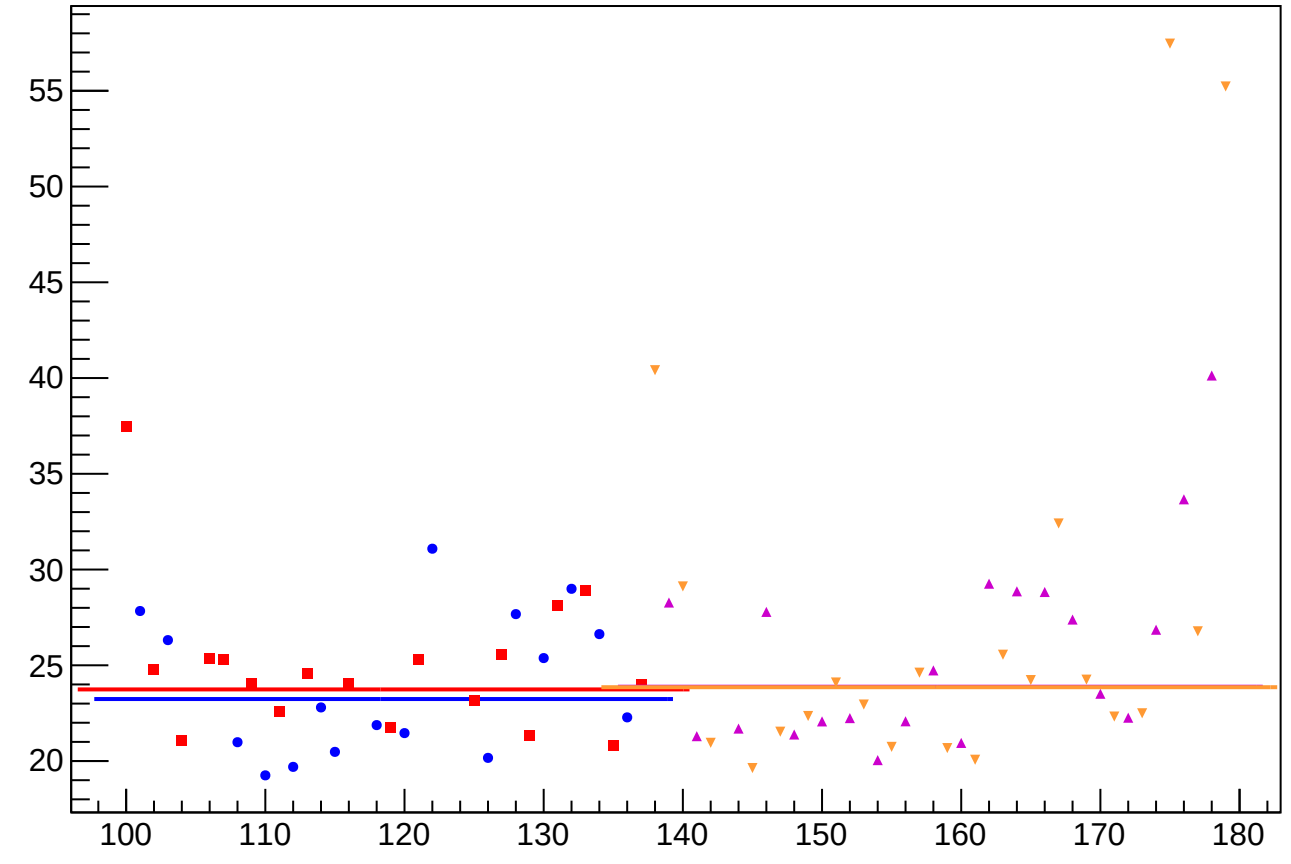
Right Out: 0.004+/-0.009 χ^2/NDF: 13.5/17

Left In: -0.004+/-0.006 χ^2/NDF:33.5/19

+ sign -0.002+/-0.005 χ^2/NDF: 20.1/36

All: -0.002+/-0.004 χ^2/NDF: 67.7/74

- sign -0.001+/-0.005 χ^2/NDF: 47.5/37



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

Left Out: 23.855+/-0.005 χ^2/NDF:1546895.2/20

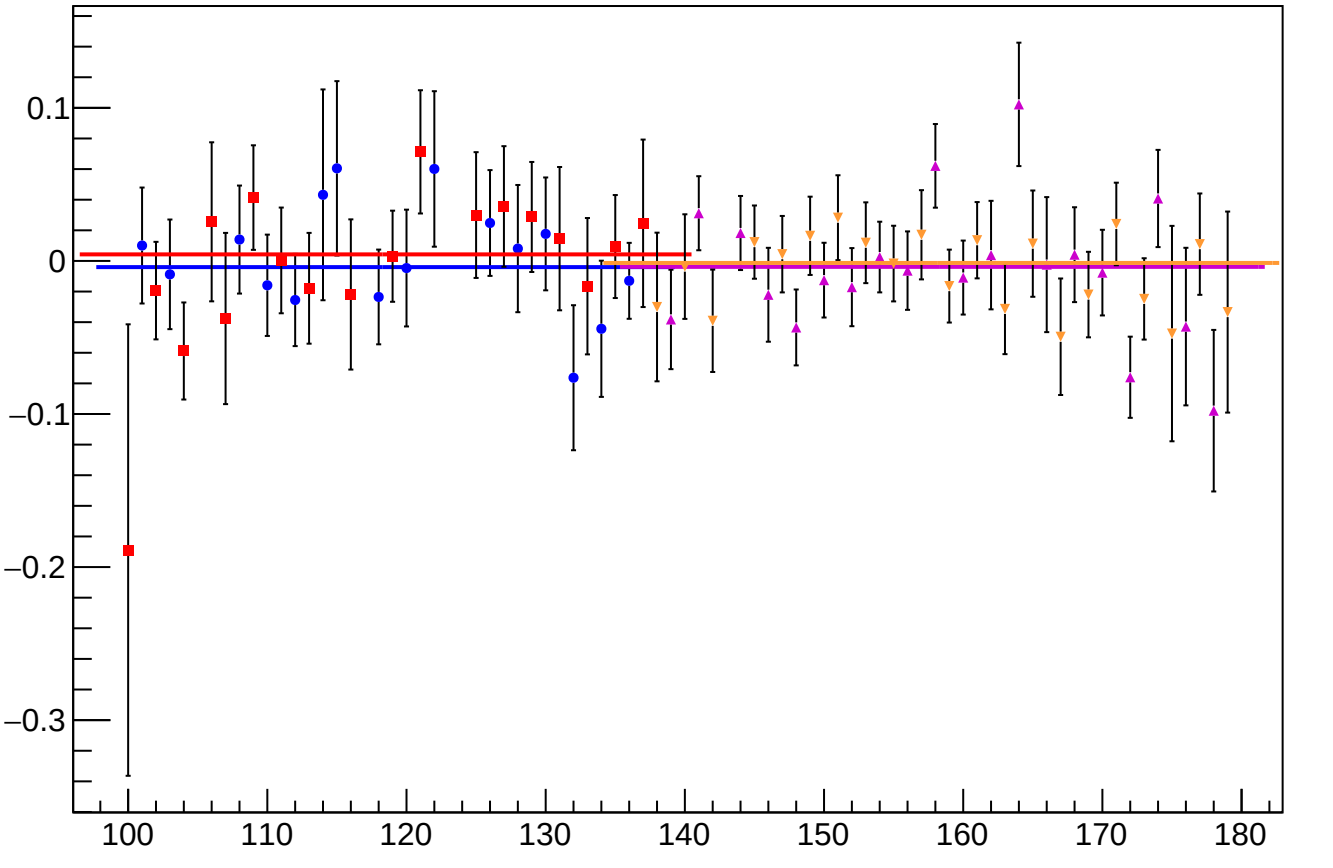
Right Out: 23.740+/-0.007 χ^2/NDF: 126183.6/17

Left In: 23.881+/-0.005 χ^2/NDF:658874.7/19

+ sign 23.654+/-0.004 χ^2/NDF: 1812118.8/36

All: 23.745+/-0.003 χ^2/NDF: 2598665.6/74

- sign 23.836+/-0.004 χ^2/NDF: 785367.9/37



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

Left Out: -0.001+/-0.006 χ^2/NDF:10.8/20

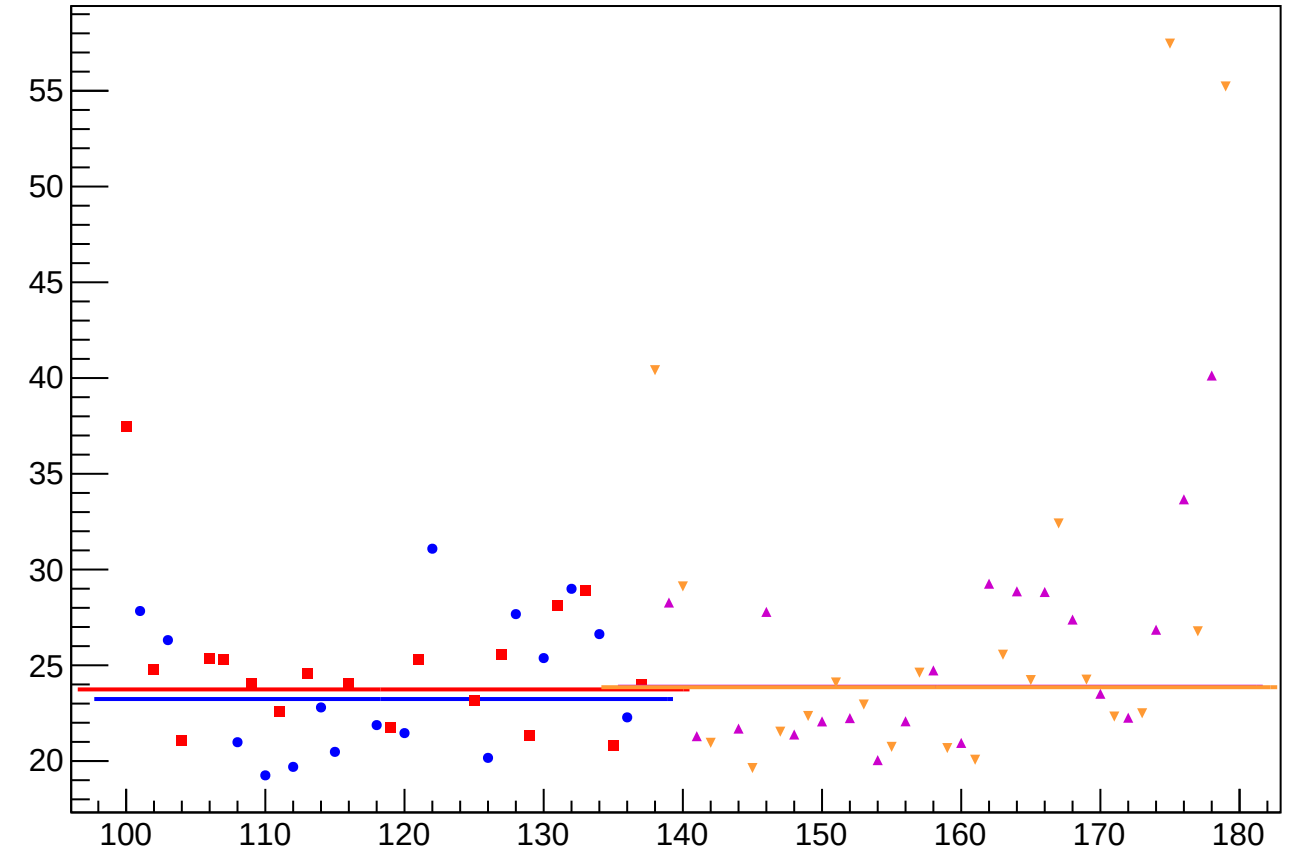
Right Out: 0.004+/-0.009 χ^2/NDF: 13.5/17

Left In: -0.004+/-0.006 χ^2/NDF:33.5/19

+ sign -0.002+/-0.005 χ^2/NDF: 20.1/36

All: -0.002+/-0.004 χ^2/NDF: 67.7/74

- sign -0.001+/-0.005 χ^2/NDF: 47.5/37



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

Left Out: 23.855+/-0.005 χ^2/NDF:1546895.2/20

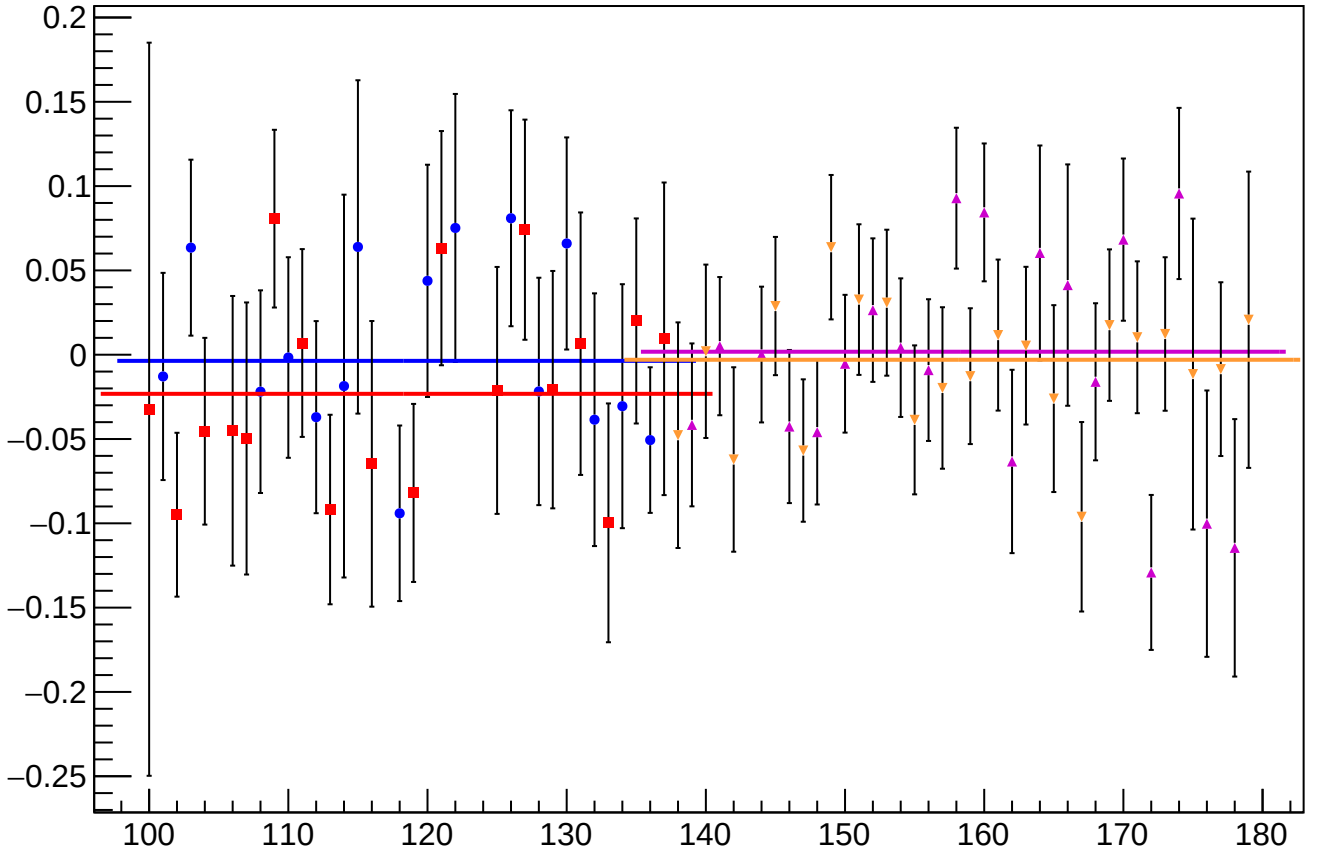
Right Out: 23.740+/-0.007 χ^2/NDF: 126183.6/17

Left In: 23.881+/-0.005 χ^2/NDF:658874.7/19

+ sign 23.654+/-0.004 χ^2/NDF: 1812118.8/36

All: 23.745+/-0.003 χ^2/NDF: 2598665.6/74

- sign 23.836+/-0.004 χ^2/NDF: 785367.9/37



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

Left Out: -0.003+/-0.011 χ^2/NDF:11.9/20

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

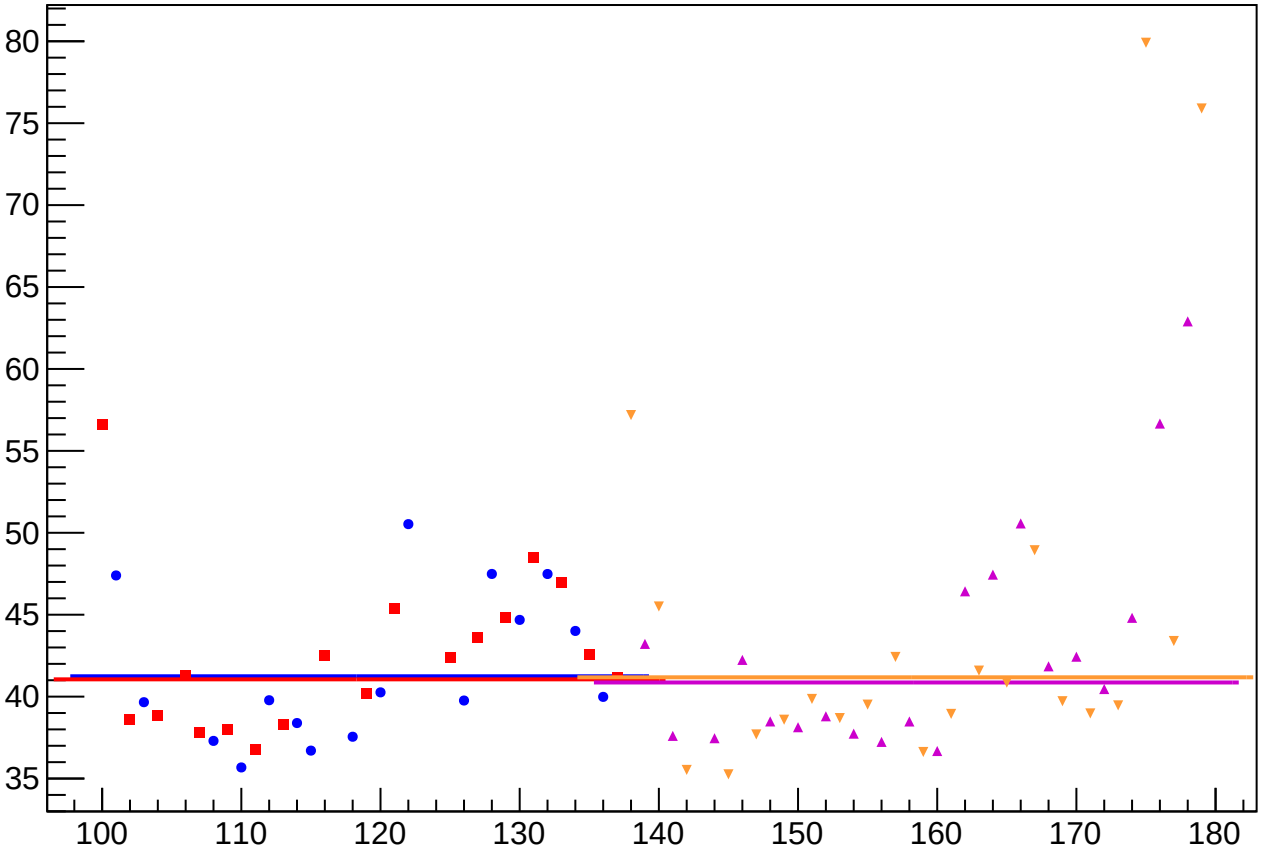
Left In: 0.002+/-0.011 χ^2/NDF:32.4/19

+ sign -0.003+/-0.009 χ^2/NDF: 23.6/36

All: -0.005+/-0.006 χ^2/NDF: 73.2/74

- sign -0.006+/-0.009 χ^2/NDF: 49.6/37

asym_us_dd_dit_vs_overload_cor_diff_rms vs Slug



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

Left Out: 41.179+/-0.007 χ^2/NDF:972773.8/20

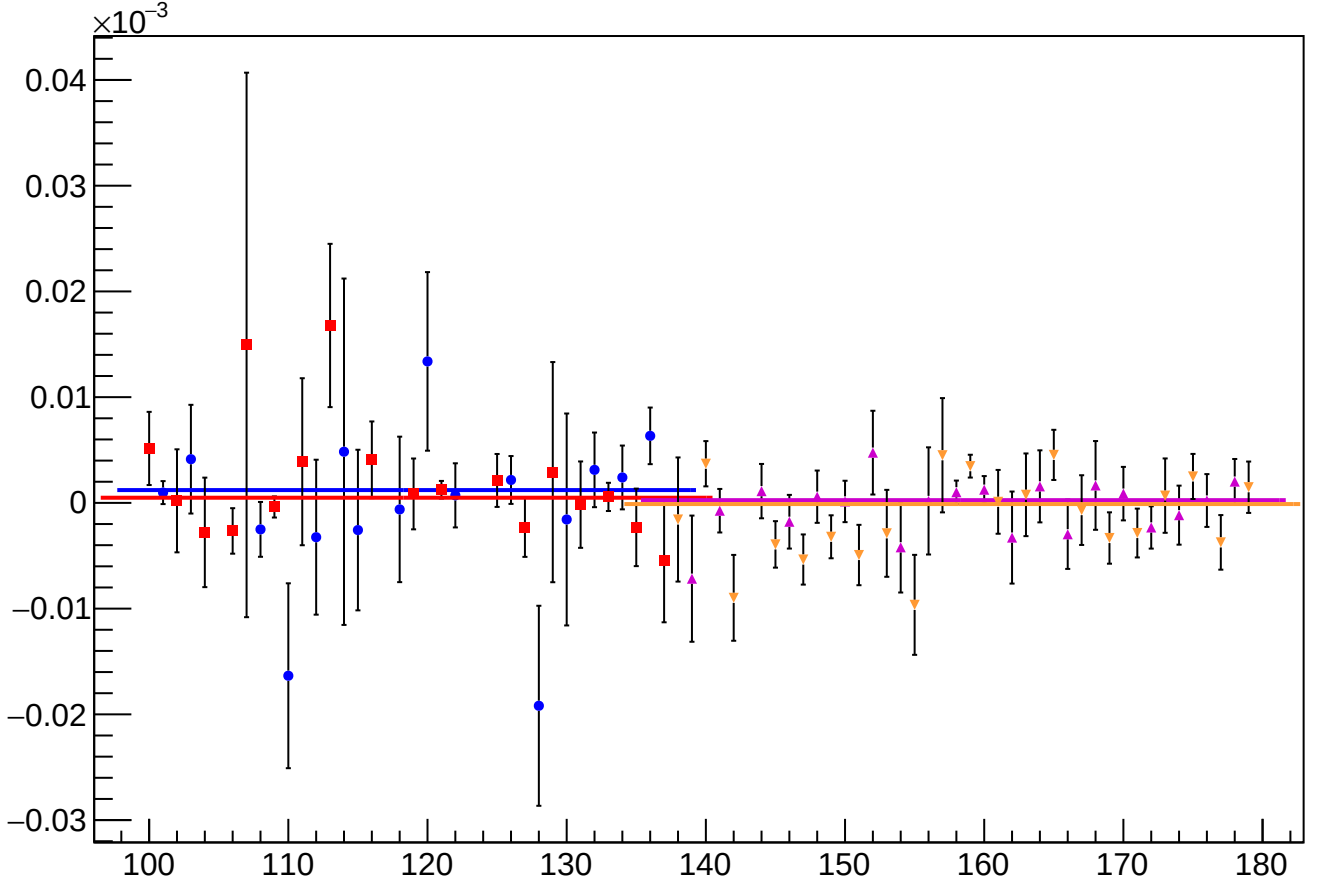
Right Out: 41.055+/-0.011 χ^2/NDF: 96560.6/17

Left In: 40.863+/-0.007 χ^2/NDF:448248.4/19

+ sign 41.198+/-0.006 χ^2/NDF: 1108074.8/36

All: 41.060+/-0.004 χ^2/NDF: 1654078.0/74

- sign 40.924+/-0.006 χ^2/NDF: 545017.5/37



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

Left Out: -0.000+/-0.000 χ^2/NDF:48.4/20

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

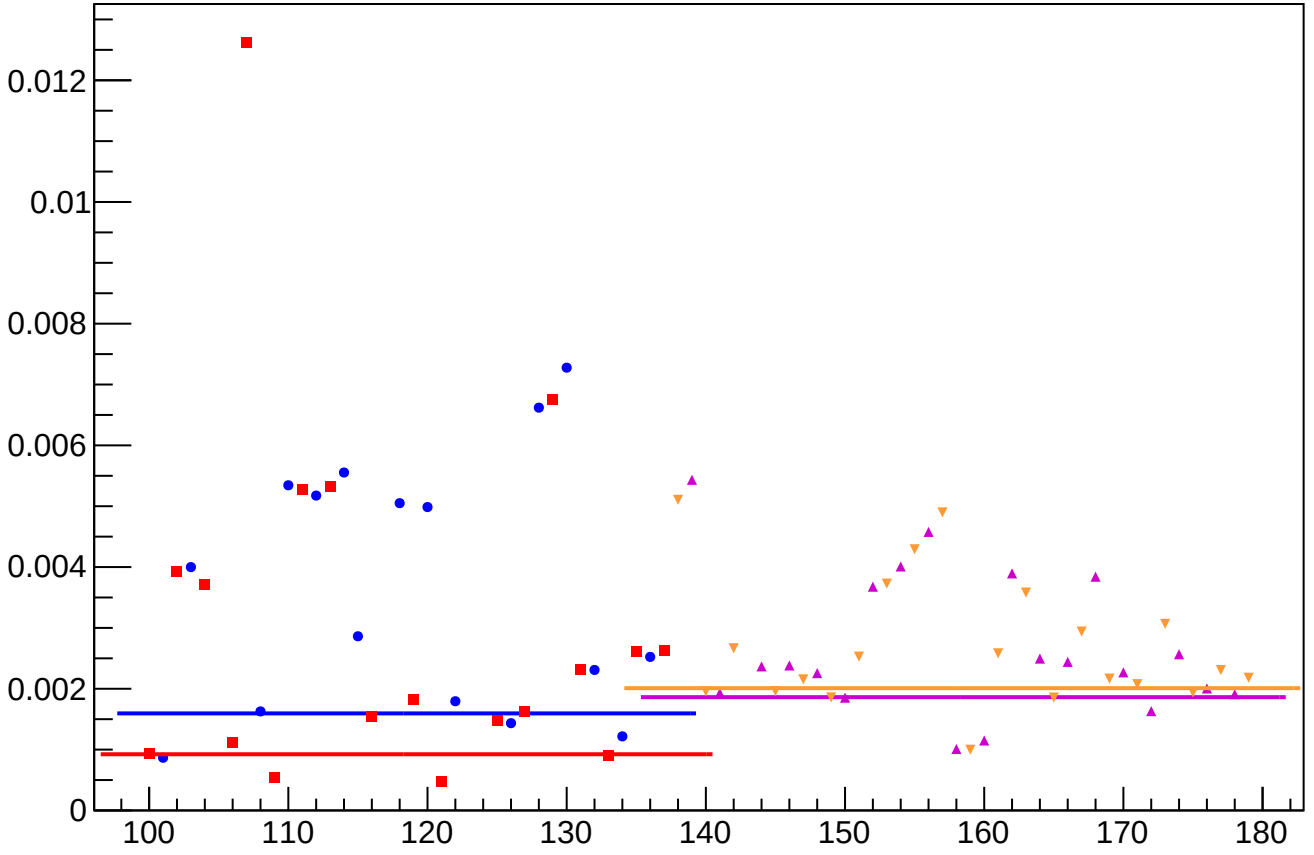
Left In: 0.000+/-0.000 χ^2/NDF:10.5/19

+ sign 0.000+/-0.000 χ^2/NDF: 68.8/36

All: 0.000+/-0.000 χ^2/NDF: 94.4/74

- sign 0.000+/-0.000 χ^2/NDF: 25.6/37

asym_us_dd_eigen_dit_vs_dit_diff_rms vs Slug



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

Left Out: 0.002+/-0.000 χ^2/NDF:4634246.4/20

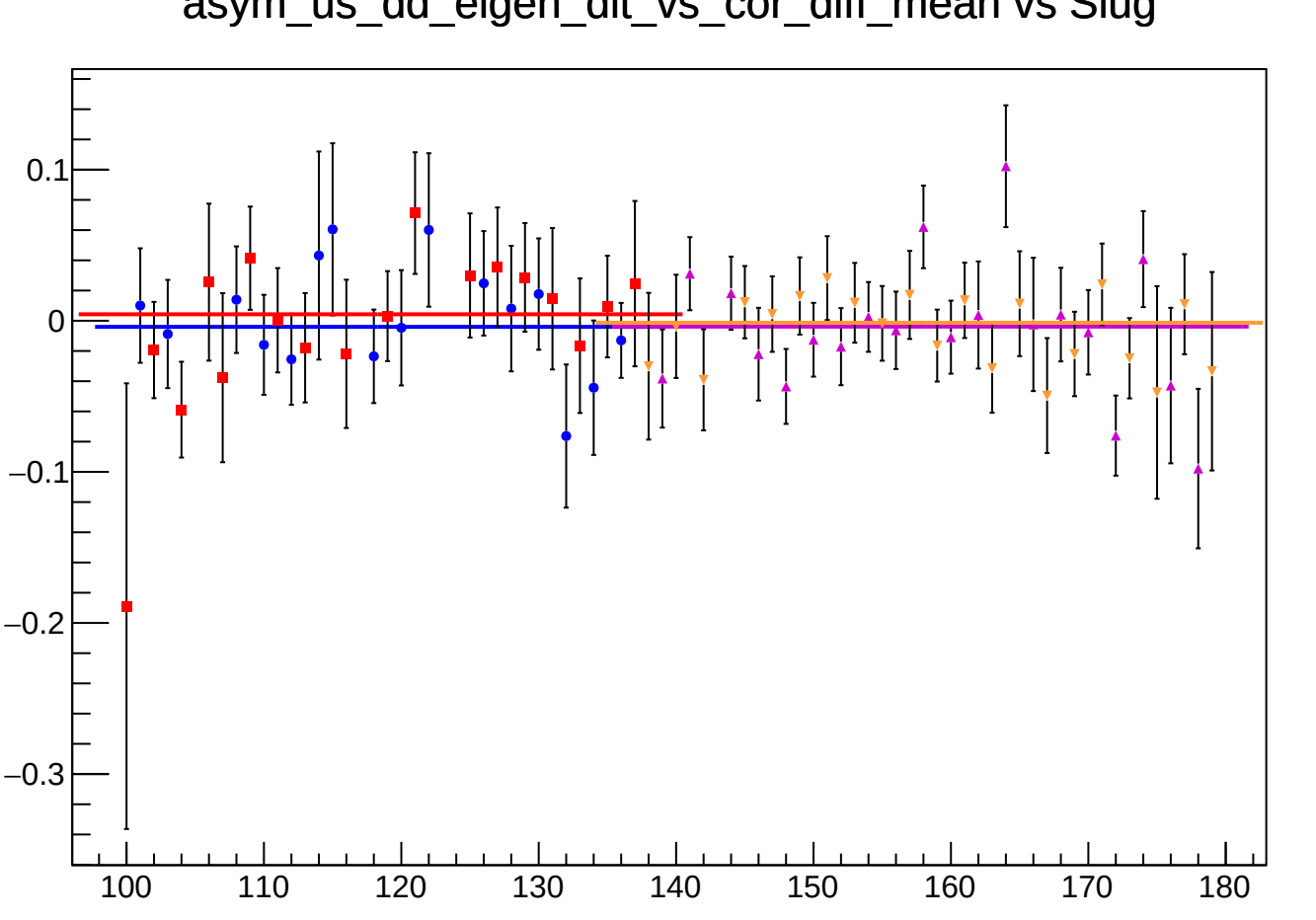
Right Out: 0.001+/-0.000 χ^2/NDF: 5780451.3/17

Left In: 0.002+/-0.000 χ^2/NDF:5470490.0/19

+ sign 0.002+/-0.000 χ^2/NDF: 9800477.4/36

All: 0.002+/-0.000 χ^2/NDF: 26018954.4/74

- sign 0.001+/-0.000 χ^2/NDF: 14694422.1/37



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

Left Out: -0.001+/-0.006 χ^2/NDF:10.8/20

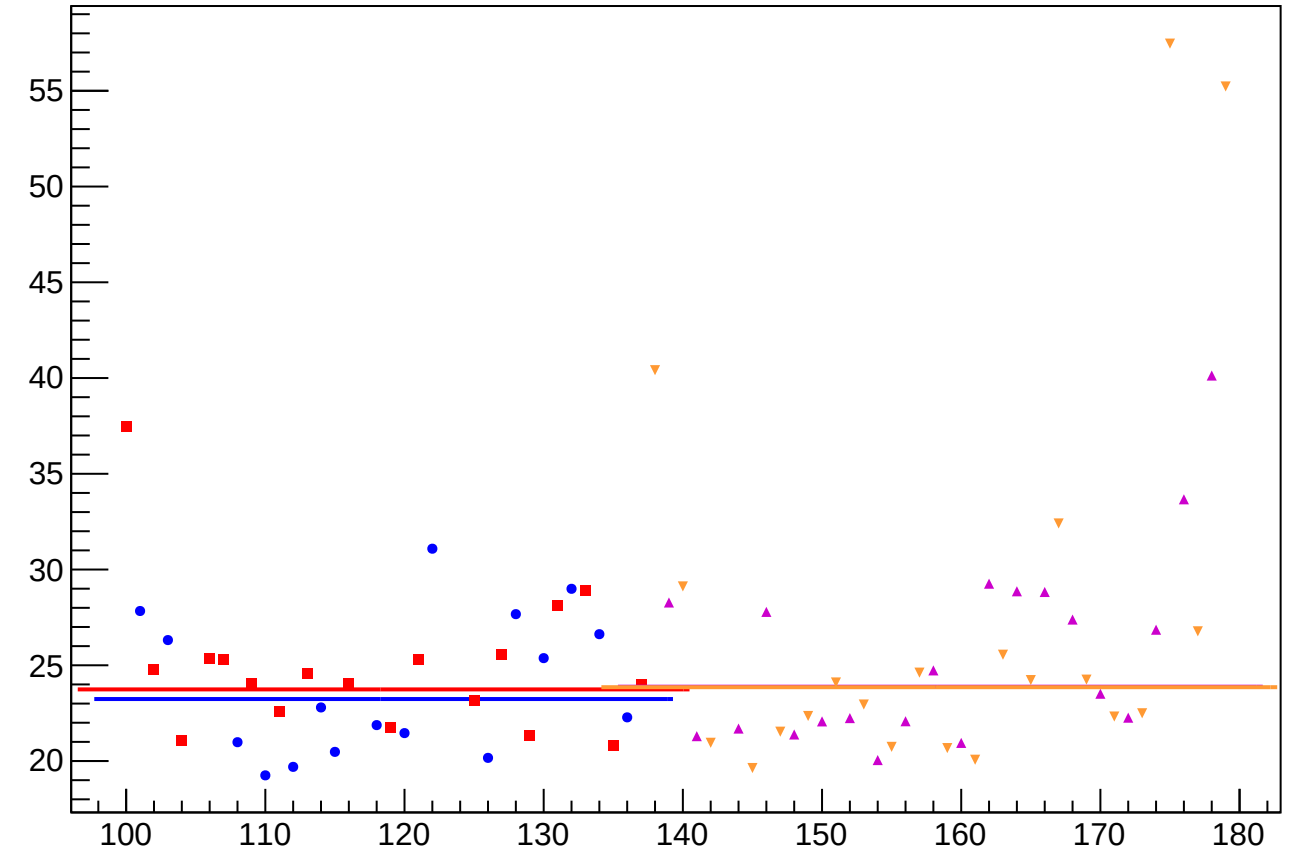
Right Out: 0.004+/-0.009 χ^2/NDF: 13.5/17

Left In: -0.004+/-0.006 χ^2/NDF:33.5/19

+ sign -0.002+/-0.005 χ^2/NDF: 20.1/36

All: -0.002+/-0.004 χ^2/NDF: 67.7/74

- sign -0.001+/-0.005 χ^2/NDF: 47.6/37



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

Left Out: 23.855+/-0.005 χ^2/NDF:1546907.8/20

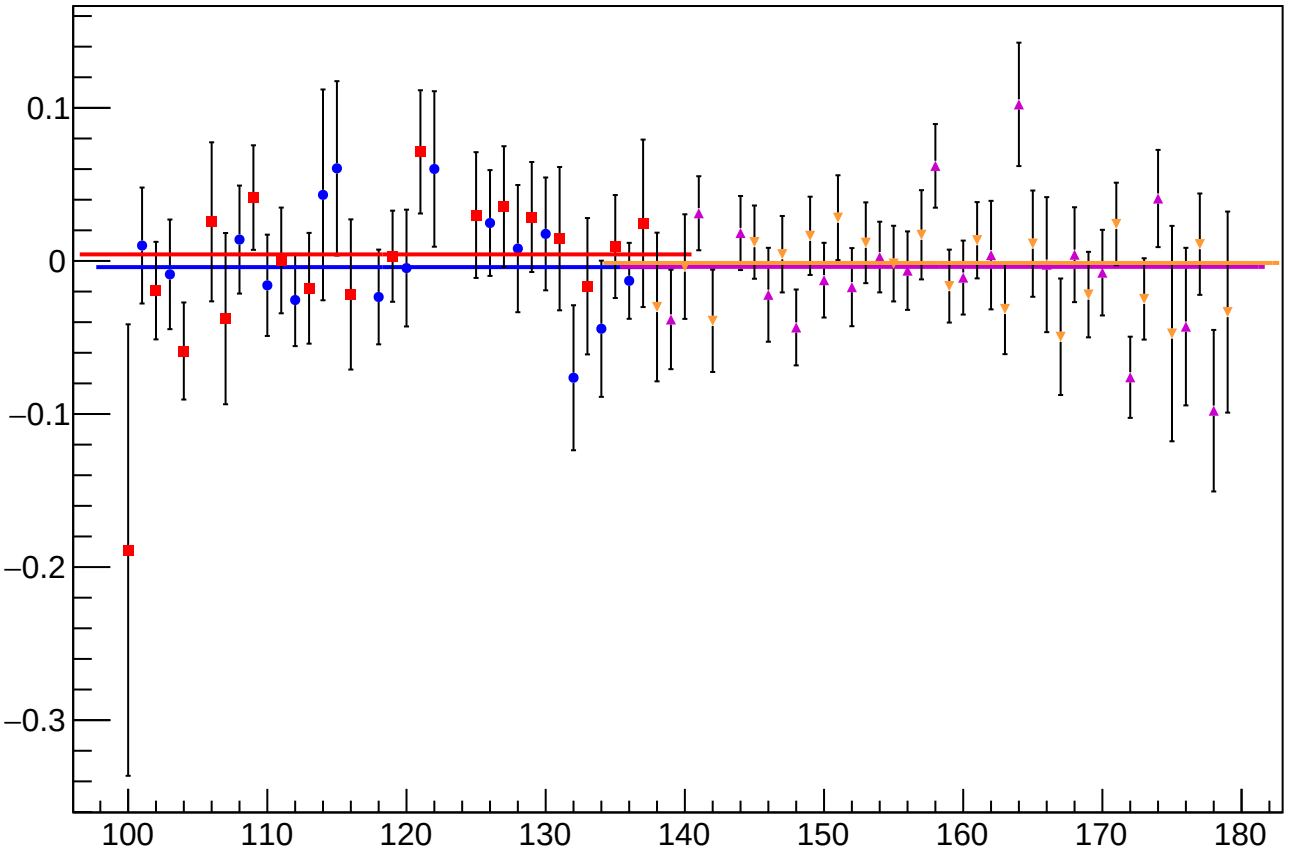
Right Out: 23.741+/-0.007 χ^2/NDF: 126132.7/17

Left In: 23.881+/-0.005 χ^2/NDF:658780.3/19

+ sign 23.654+/-0.004 χ^2/NDF: 1812133.6/36

All: 23.745+/-0.003 χ^2/NDF: 2598541.4/74

- sign 23.836+/-0.004 χ^2/NDF: 785222.9/37



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

Left Out: -0.001+/-0.006 χ^2/NDF:10.8/20

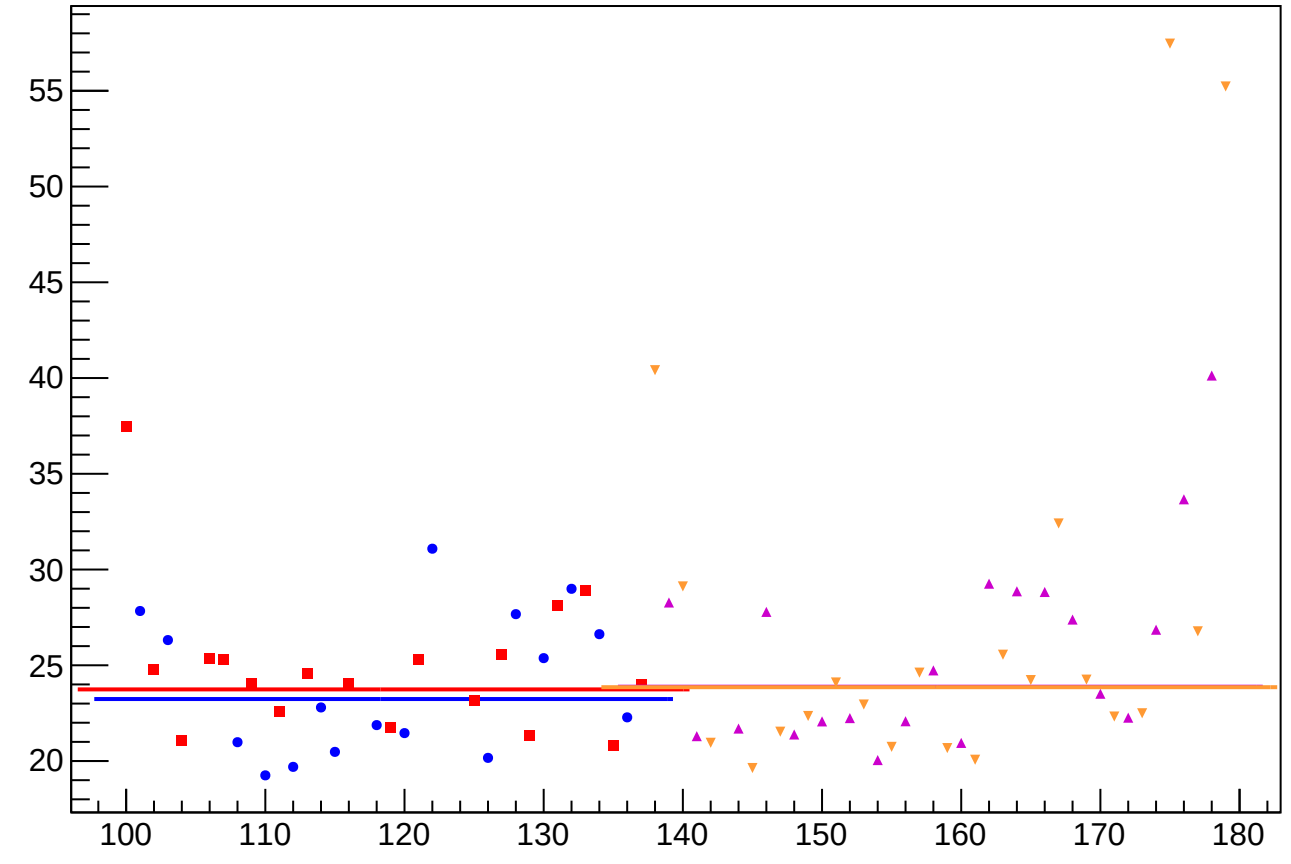
Right Out: 0.004+/-0.009 χ^2/NDF: 13.5/17

Left In: -0.004+/-0.006 χ^2/NDF:33.5/19

+ sign -0.002+/-0.005 χ^2/NDF: 20.1/36

All: -0.002+/-0.004 χ^2/NDF: 67.7/74

- sign -0.001+/-0.005 χ^2/NDF: 47.6/37



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

Left Out: 23.855+/-0.005 χ^2/NDF:1546907.8/20

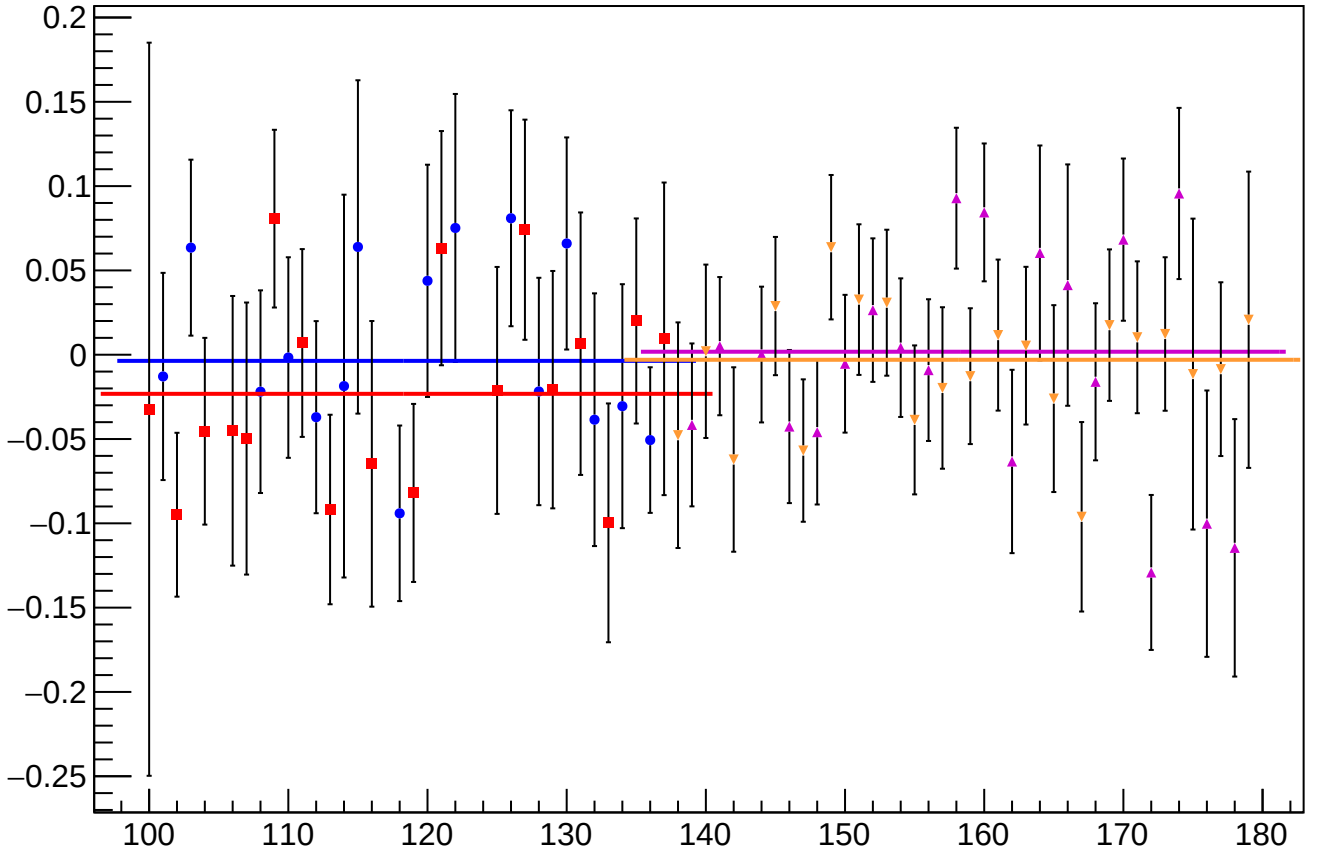
Right Out: 23.741+/-0.007 χ^2/NDF: 126132.7/17

Left In: 23.881+/-0.005 χ^2/NDF:658780.3/19

+ sign 23.654+/-0.004 χ^2/NDF: 1812133.6/36

All: 23.745+/-0.003 χ^2/NDF: 2598541.4/74

- sign 23.836+/-0.004 χ^2/NDF: 785222.9/37



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

Left Out: -0.003+/-0.011 χ^2/NDF:11.9/20

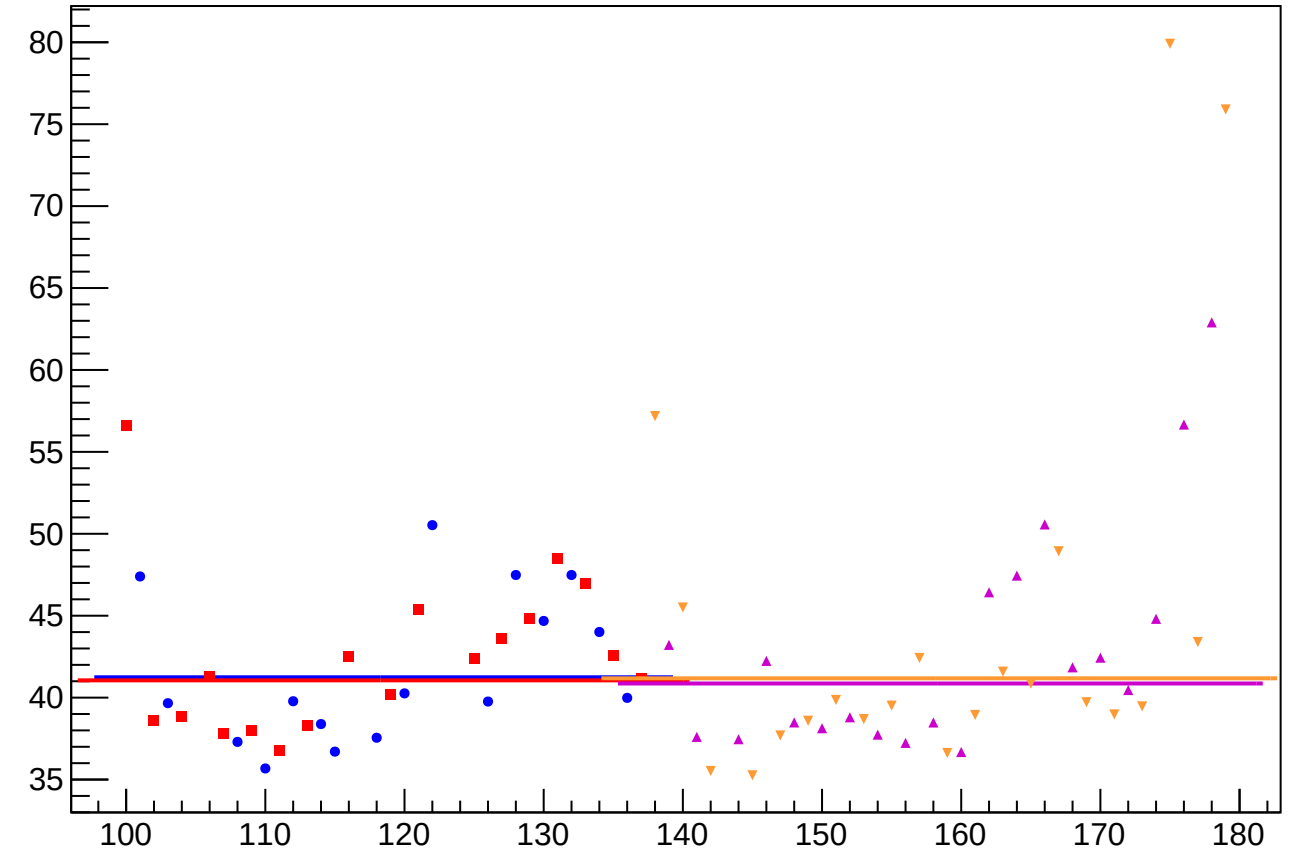
Right Out: -0.023+/-0.016 χ^2/NDF: 15.4/17

Left In: 0.002+/-0.011 χ^2/NDF:32.4/19

+ sign -0.003+/-0.009 χ^2/NDF: 23.6/36

All: -0.005+/-0.006 χ^2/NDF: 73.2/74

- sign -0.006+/-0.009 χ^2/NDF: 49.6/37



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

Left Out: 41.179+/-0.007 χ^2/NDF:972773.8/20

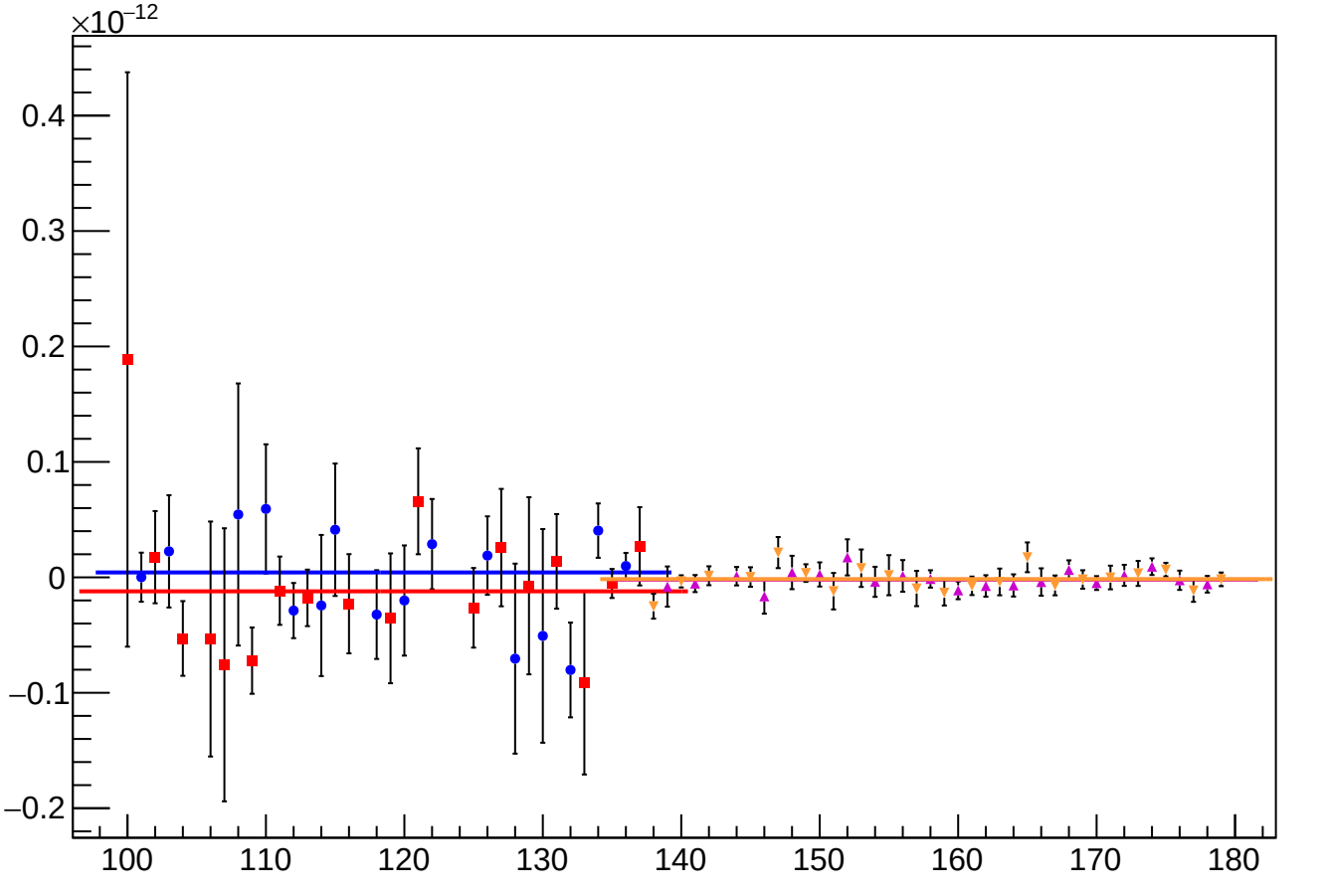
Right Out: 41.055+/-0.011 χ^2/NDF: 96549.4/17

Left In: 40.863+/-0.007 χ^2/NDF:448241.2/19

+ sign 41.198+/-0.006 χ^2/NDF: 1108052.4/36

All: 41.060+/-0.004 χ^2/NDF: 1654036.0/74

- sign 40.924+/-0.006 χ^2/NDF: 544998.8/37



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

Left Out: -0.000+/-0.000 χ^2/NDF:17.0/20

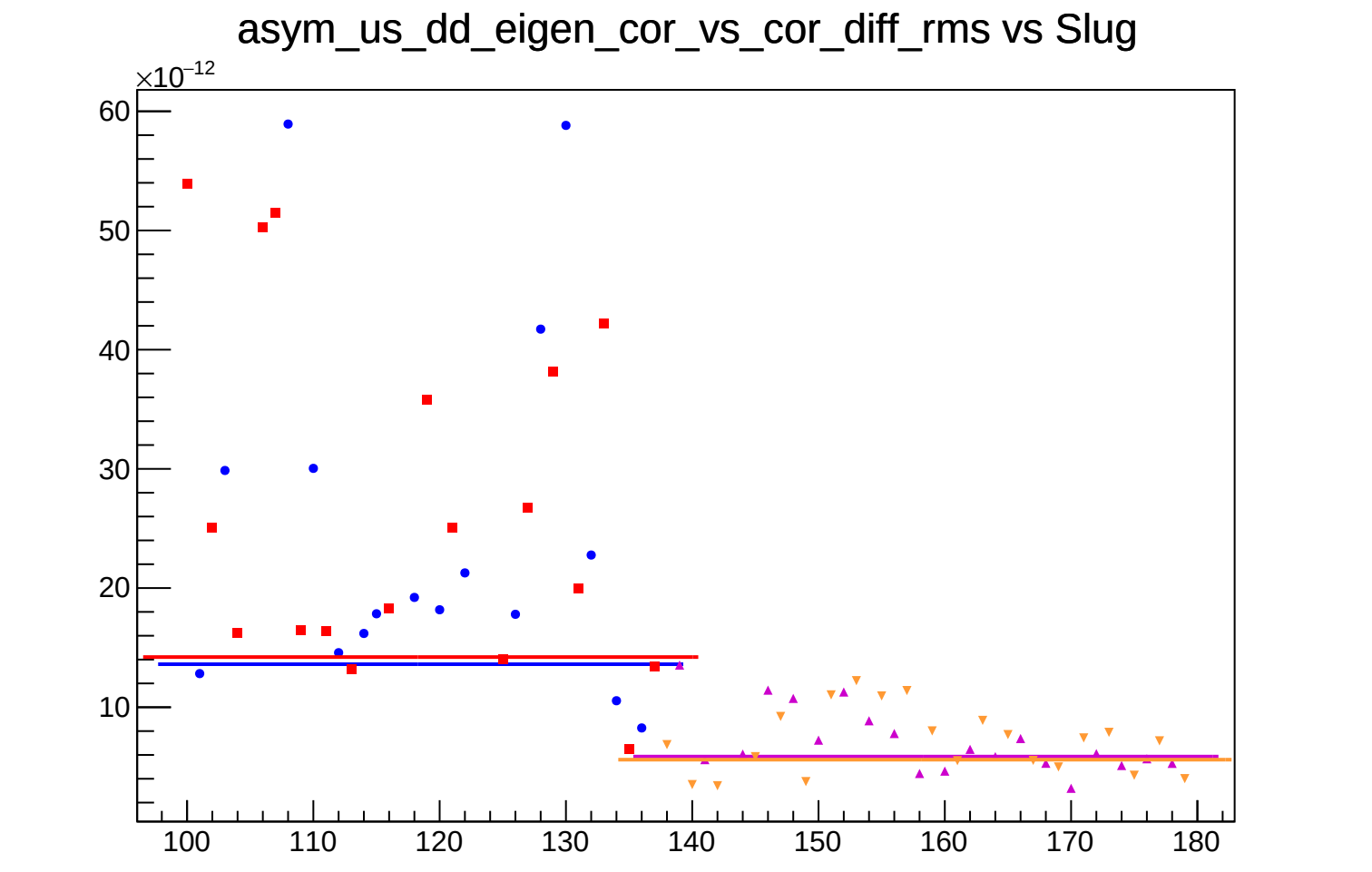
Right Out: -0.000+/-0.000 χ^2/NDF: 14.5/17

Left In: -0.000+/-0.000 χ^2/NDF:9.6/19

+ sign -0.000+/-0.000 χ^2/NDF: 31.2/36

All: -0.000+/-0.000 χ^2/NDF: 57.3/74

- sign -0.000+/-0.000 χ^2/NDF: 25.8/37



Right In: 0.000+/-0.000 χ^2/NDF: 2188622.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:2566965.3/20

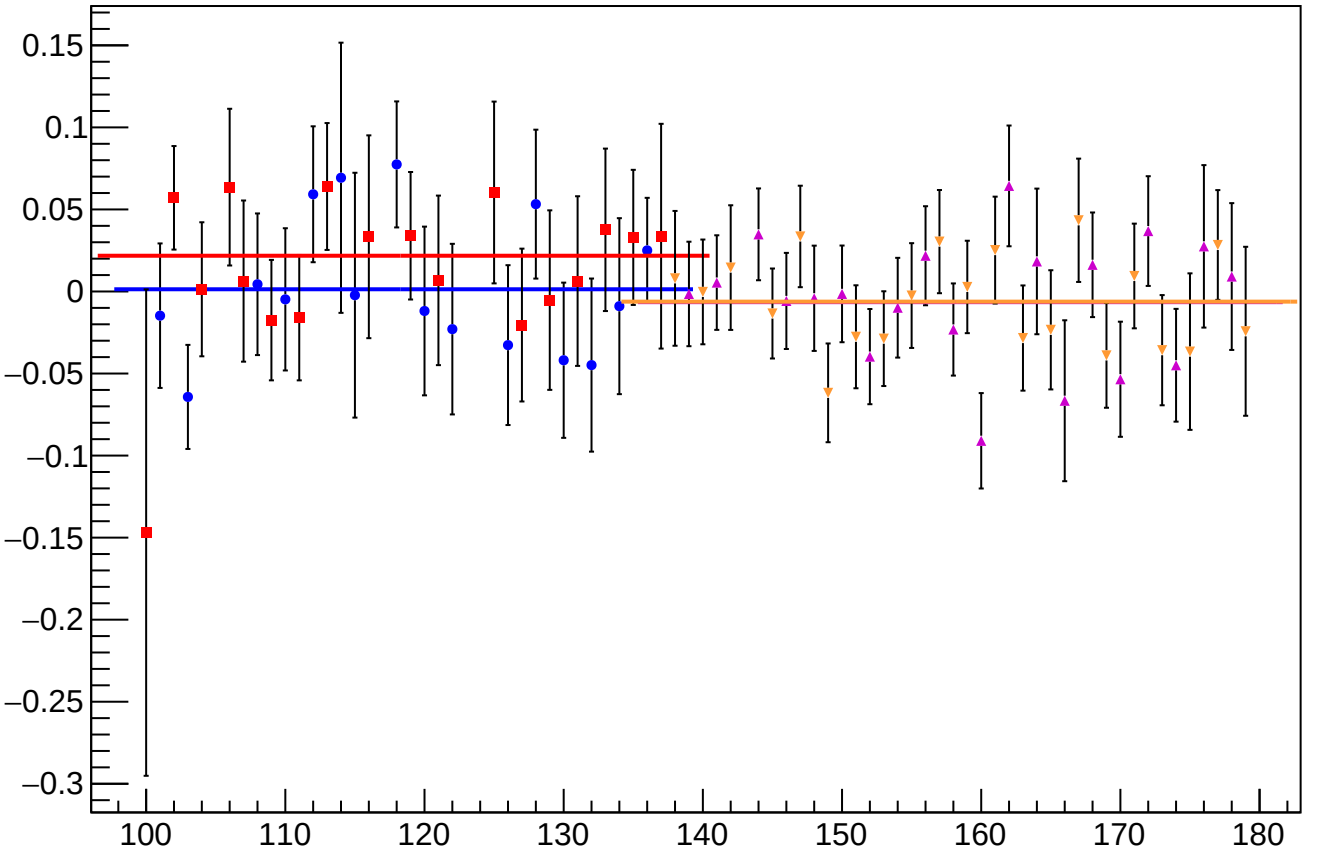
Right Out: 0.000+/-0.000 χ^2/NDF: 2471664.5/17

Left In: 0.000+/-0.000 χ^2/NDF:1919747.6/19

+ sign 0.000+/-0.000 χ^2/NDF: 6960665.0/36

All: 0.000+/-0.000 χ^2/NDF: 13523168.8/74

- sign 0.000+/-0.000 χ^2/NDF: 6542715.7/37



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

Left Out: -0.006+/-0.007 χ^2/NDF:15.2/20

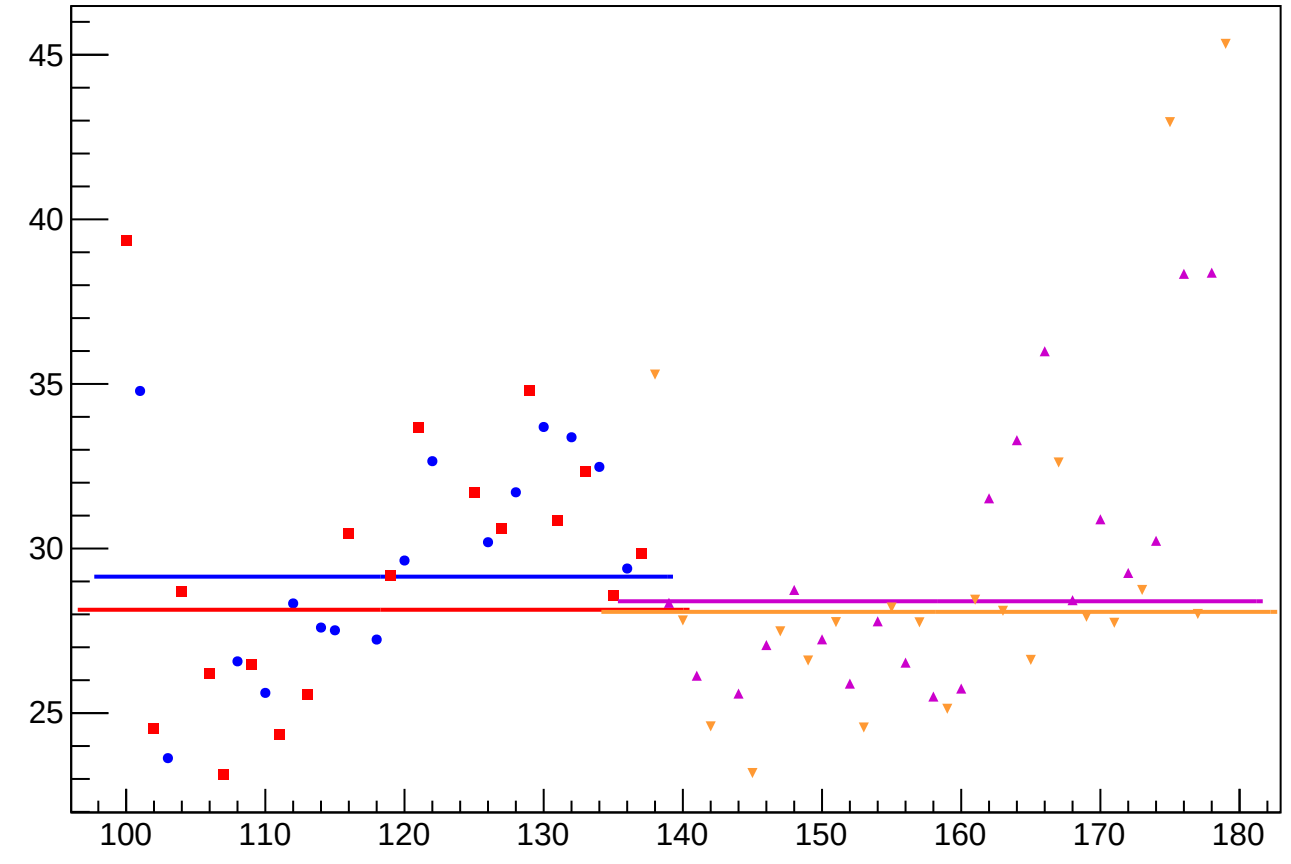
Right Out: 0.022+/-0.011 χ^2/NDF: 9.0/17

Left In: -0.007+/-0.007 χ^2/NDF:24.8/19

+ sign -0.004+/-0.006 χ^2/NDF: 30.8/36

All: -0.001+/-0.004 χ^2/NDF: 69.8/74

- sign 0.002+/-0.006 χ^2/NDF: 38.5/37



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

Left Out: 28.076+/-0.005 χ^2/NDF:652734.9/20

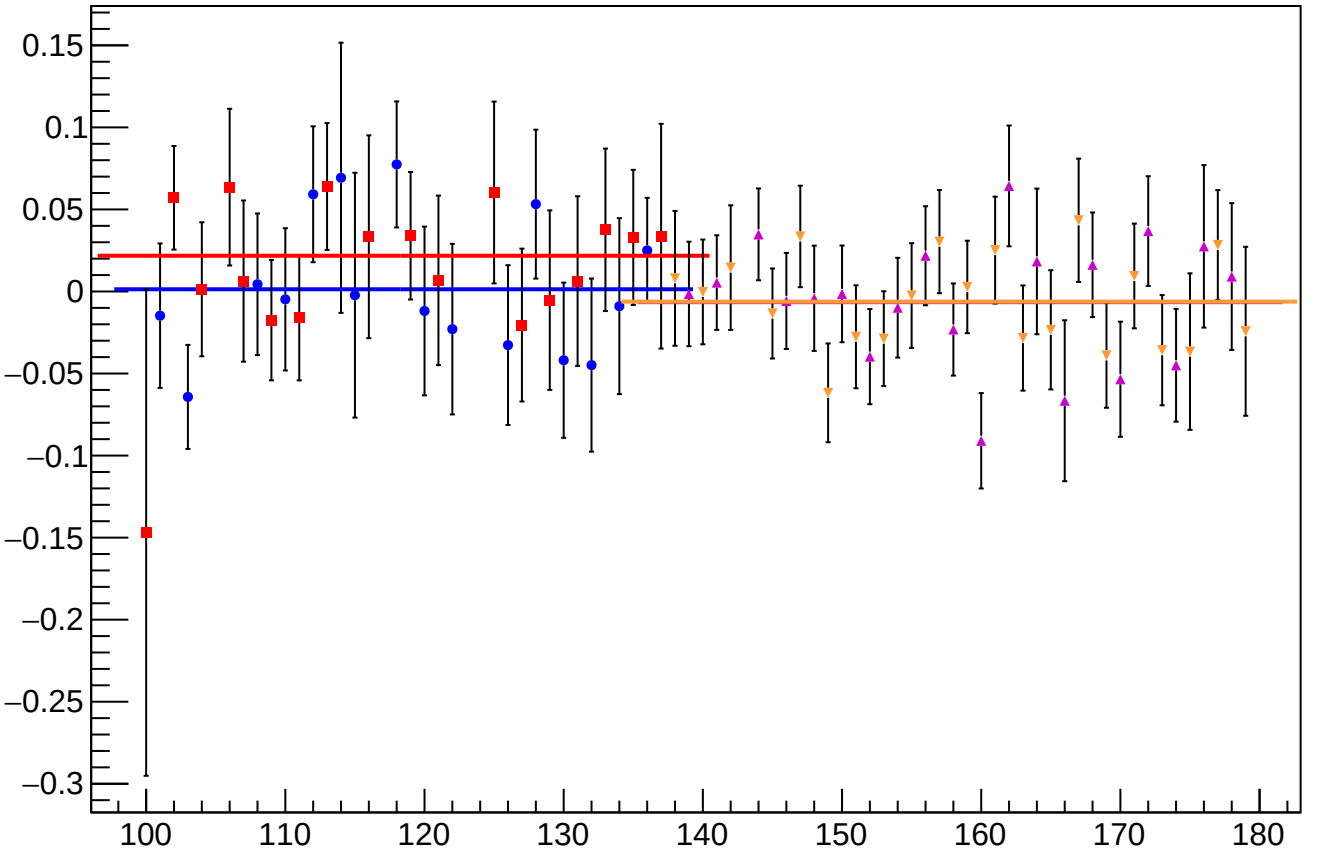
Right Out: 28.140+/-0.008 χ^2/NDF: 187103.8/17

Left In: 28.398+/-0.005 χ^2/NDF:385294.7/19

+ sign 28.390+/-0.004 χ^2/NDF: 842483.7/36

All: 28.353+/-0.003 χ^2/NDF: 1415811.5/74

- sign 28.317+/-0.004 χ^2/NDF: 573182.1/37



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

Left Out: -0.006+/-0.007 χ^2/NDF:15.2/20

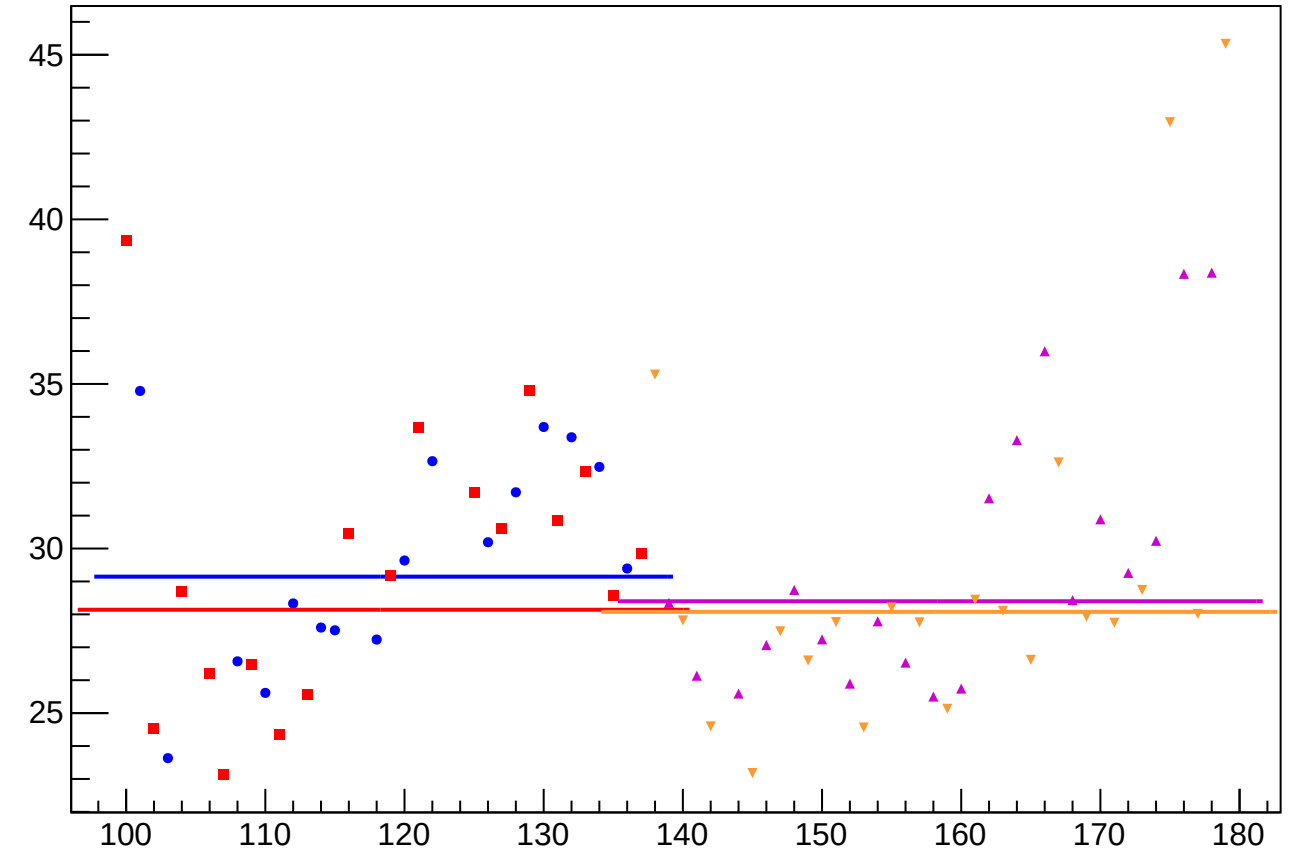
Right Out: 0.022+/-0.011 χ^2/NDF: 9.0/17

Left In: -0.007+/-0.007 χ^2/NDF:24.8/19

+ sign -0.004+/-0.006 χ^2/NDF: 30.8/36

All: -0.001+/-0.004 χ^2/NDF: 69.8/74

- sign 0.002+/-0.006 χ^2/NDF: 38.5/37



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

Left Out: 28.076+/-0.005 χ^2/NDF:652734.9/20

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

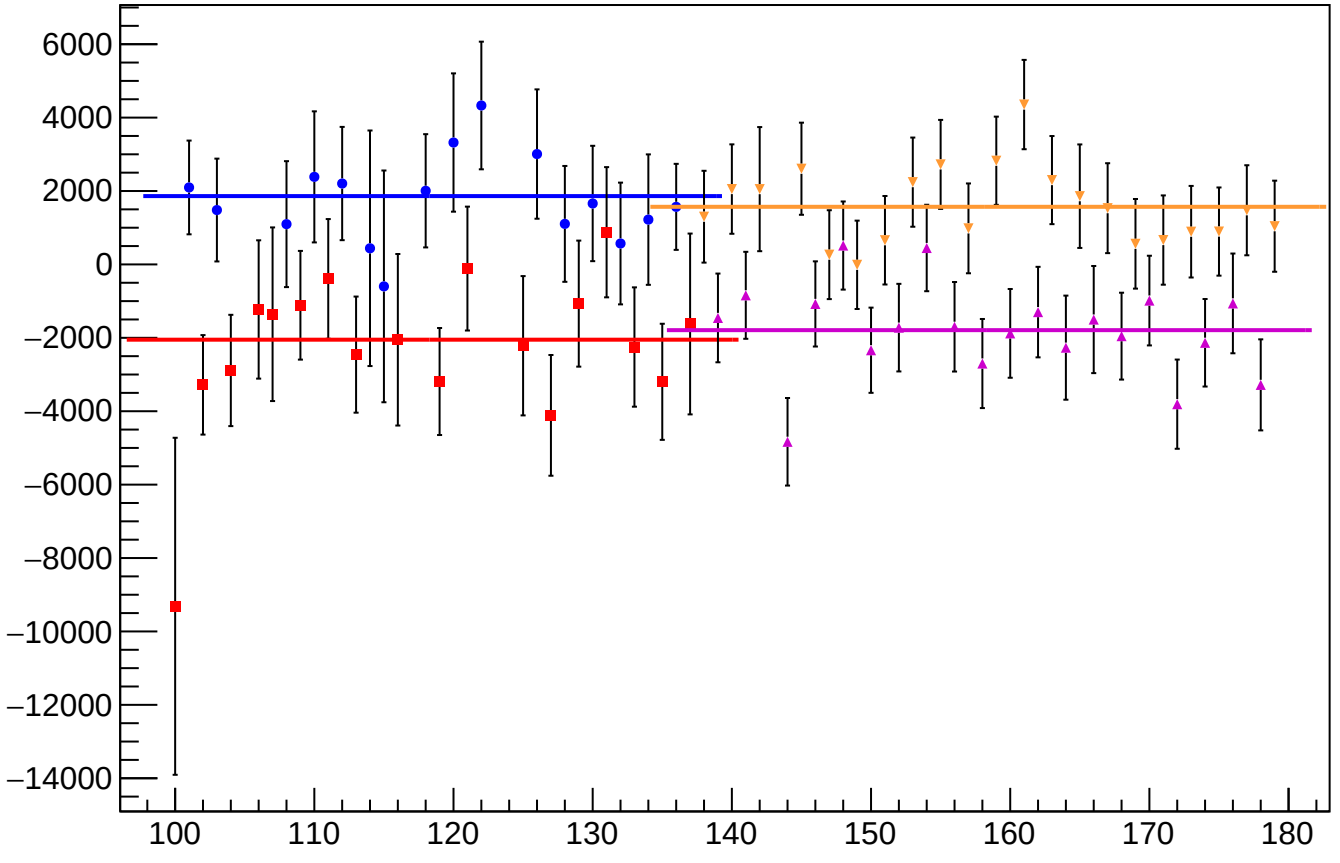
Left In: 28.398+/-0.005 χ^2/NDF:385294.7/19

+ sign 28.390+/-0.004 χ^2/NDF: 842483.7/36

All: 28.353+/-0.003 χ^2/NDF: 1415811.5/74

- sign 28.317+/-0.004 χ^2/NDF: 573182.1/37

reg_asym_usl_mean vs Slug



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

Left Out: 1569.709+/-271.057 χ^2/NDF:14.6/20

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

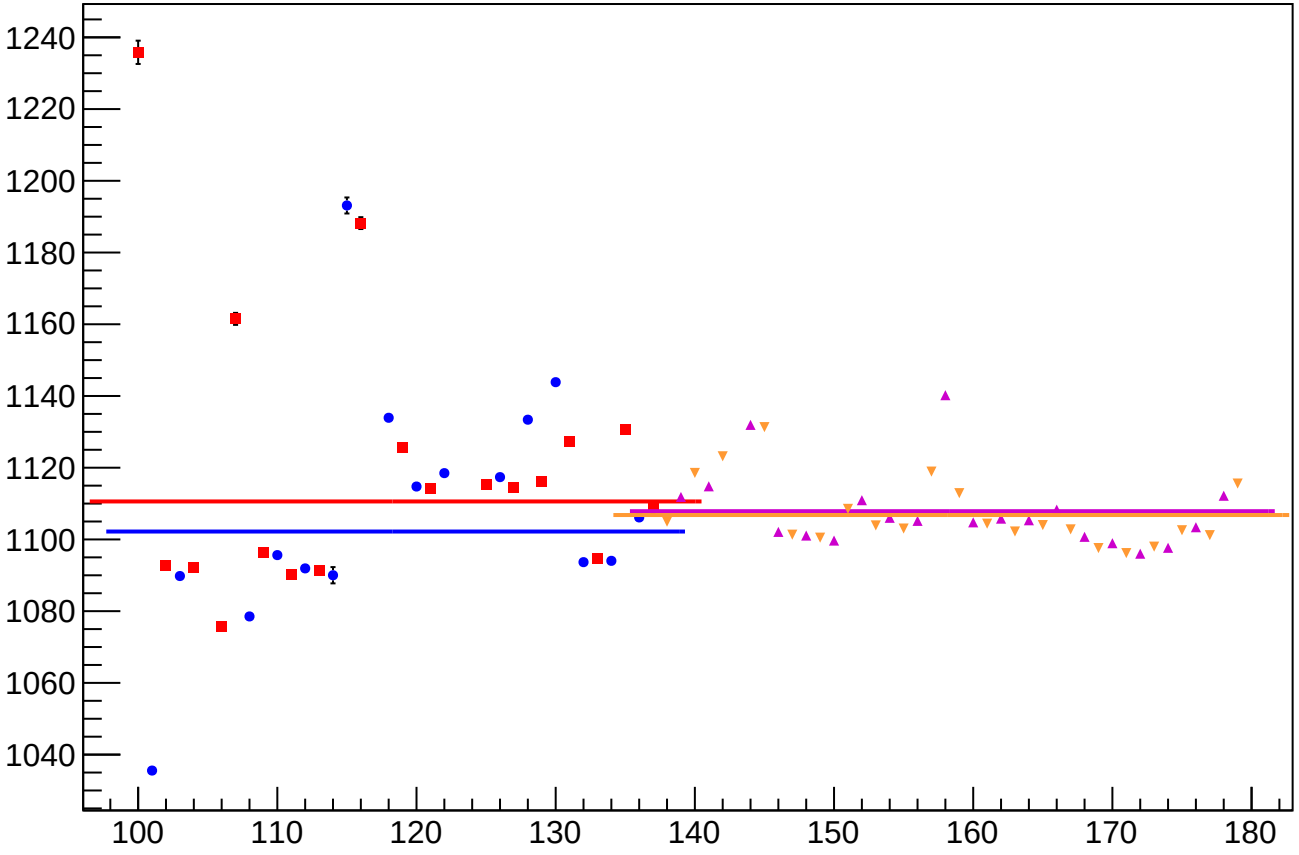
Left In: -1790.956+/-274.038 χ^2/NDF:21.0/19

+ sign 1658.606+/-226.031 χ^2/NDF: 20.3/36

All: -93.388+/-160.416 χ^2/NDF: 175.2/74

- sign -1871.410+/-227.703 χ^2/NDF: 33.8/37

reg_asym_usl_rms vs Slug



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

Left Out: 1106.805+/-0.192 χ^2/NDF:2117.6/20

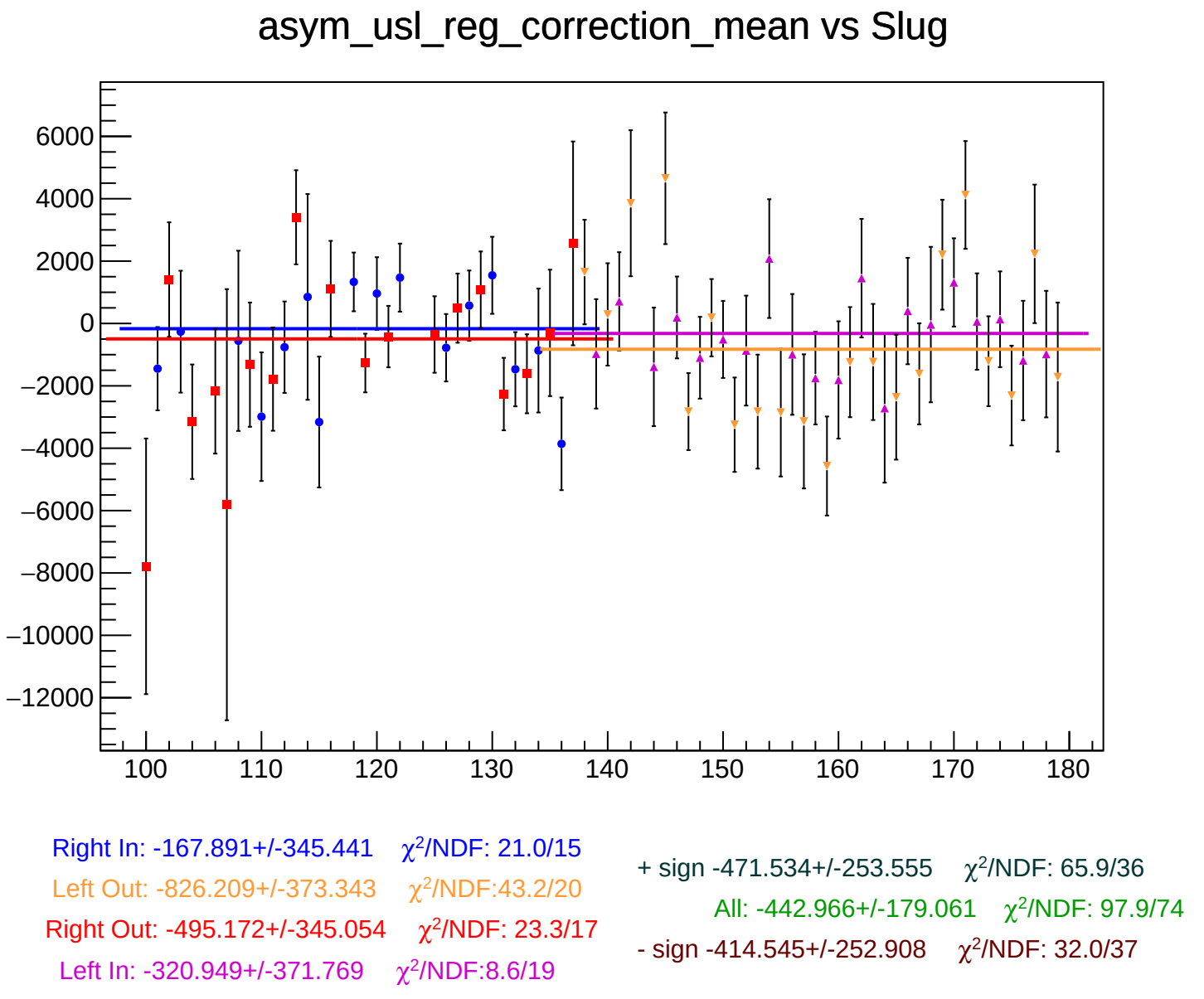
Right Out: 1110.592+/-0.289 χ^2/NDF: 7696.0/17

Left In: 1107.879+/-0.194 χ^2/NDF:3152.9/19

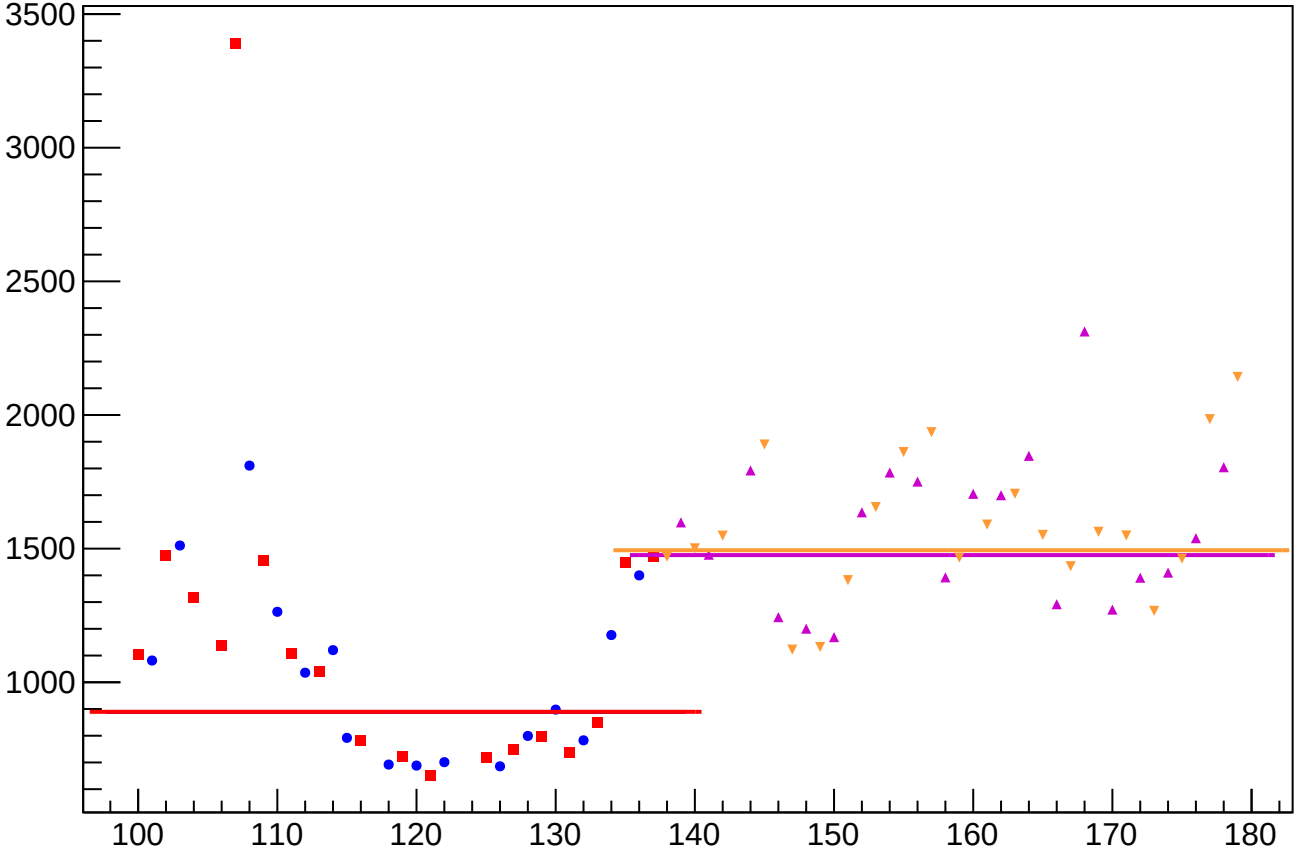
+ sign 1105.404+/-0.160 χ^2/NDF: 13642.0/36

All: 1107.049+/-0.113 χ^2/NDF: 24765.1/74

- sign 1108.719+/-0.161 χ^2/NDF: 10909.7/37


asym_usl_reg_correction_mean vs Slug
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
110
120
130
140
150
160
170
180
Right In: -167.891+/-345.441 χ²/NDF: 21.0/15
Left Out: -826.209+/-373.343 χ²/NDF:43.2/20
Right Out: -495.172+/-345.054 χ²/NDF: 23.3/17
Left In: -320.949+/-371.769 χ²/NDF:8.6/19
+ sign -471.534+/-253.555 χ²/NDF: 65.9/36
All: -442.966+/-179.061 χ²/NDF: 97.9/74
- sign -414.545+/-252.908 χ²/NDF: 32.0/37

asym_usl_reg_correction_rms vs Slug



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

Left Out: 1493.978+/-0.264 χ^2/NDF:935890.5/20

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

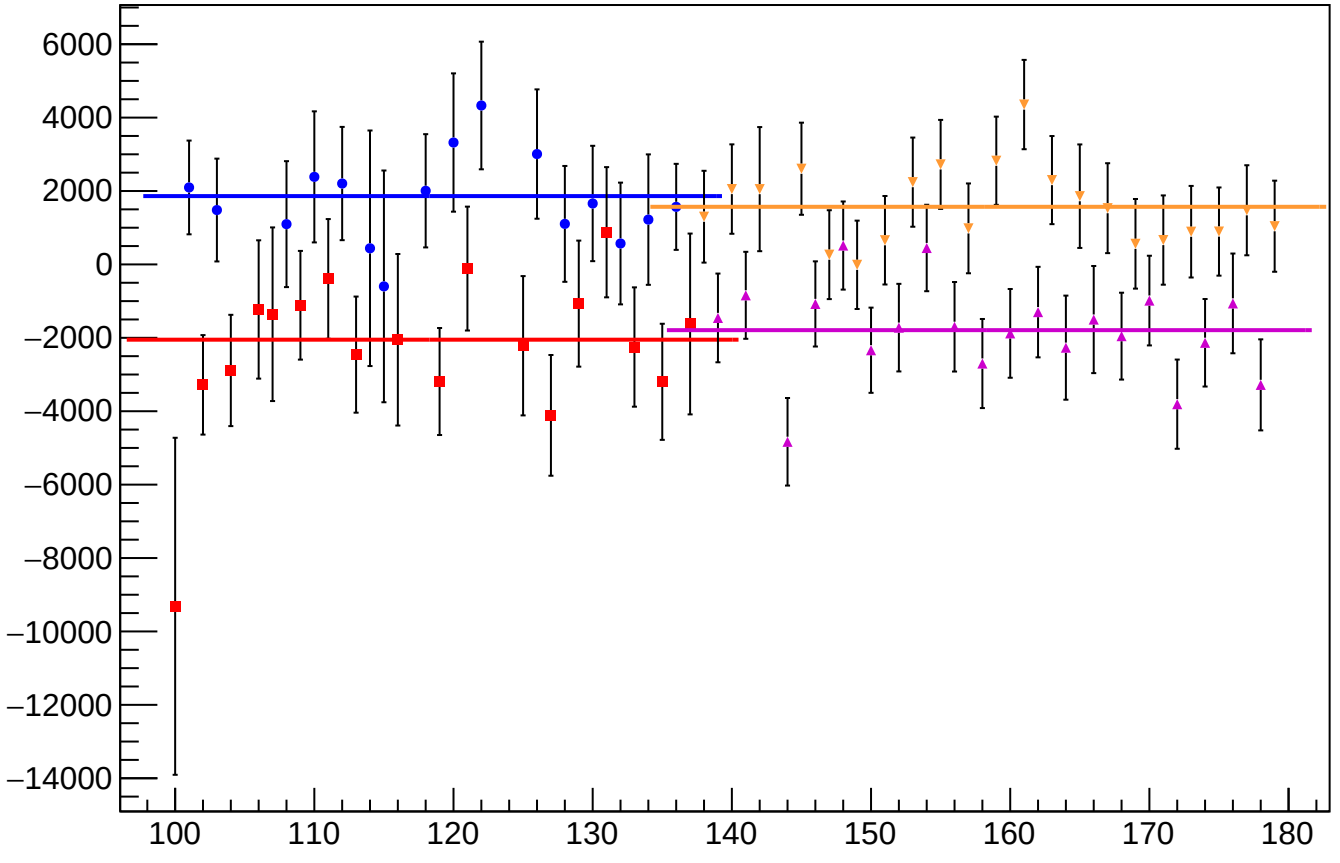
Left In: 1475.837+/-0.263 χ^2/NDF:915251.9/19

+ sign 1168.016+/-0.179 χ^2/NDF: 4898426.2/36

All: 1164.417+/-0.127 χ^2/NDF: 9832997.9/74

- sign 1160.835+/-0.179 χ^2/NDF: 4933767.4/37

cor_asym_usl_mean vs Slug



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

Left Out: 1569.709+/-271.057 χ^2/NDF:14.6/20

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

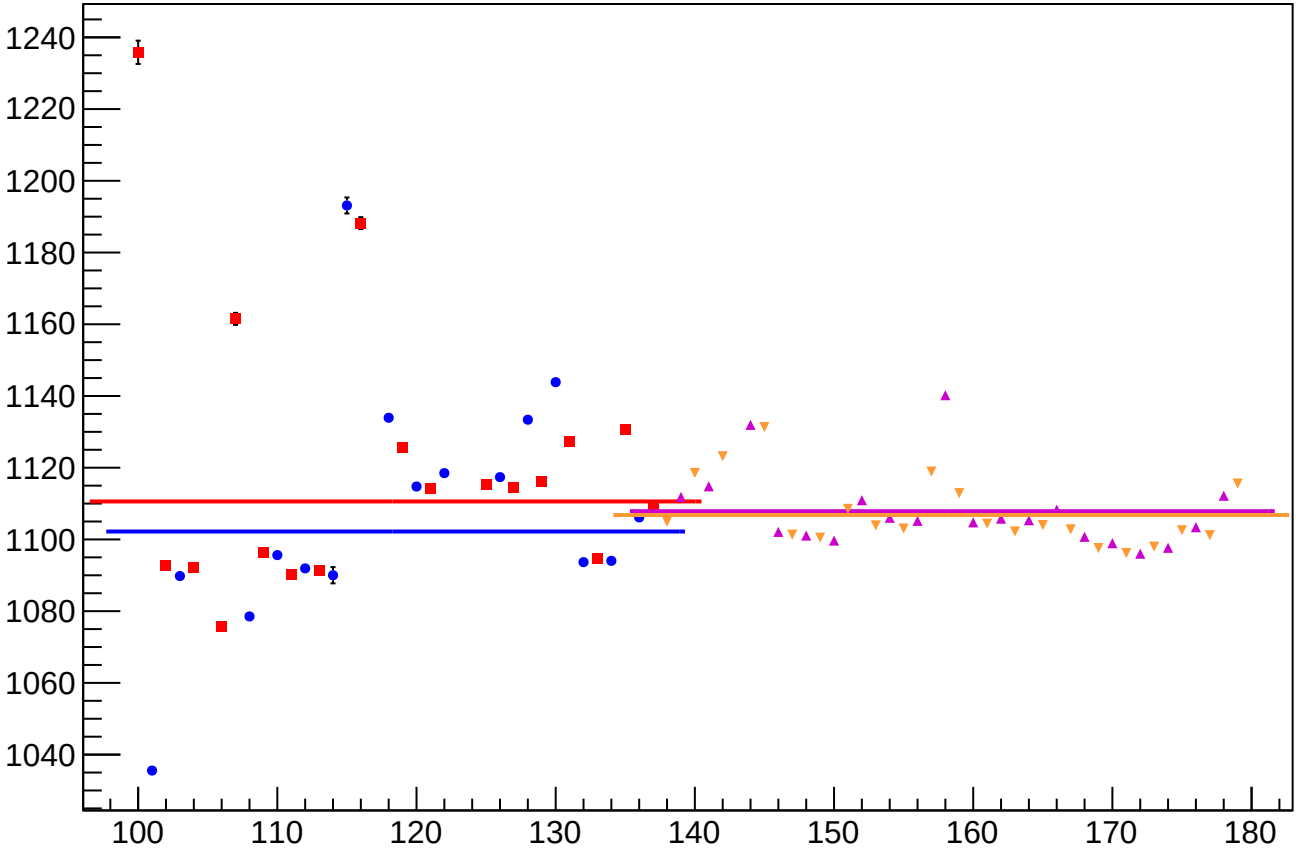
Left In: -1790.956+/-274.038 χ^2/NDF:21.0/19

+ sign 1658.606+/-226.031 χ^2/NDF: 20.3/36

All: -93.388+/-160.416 χ^2/NDF: 175.2/74

- sign -1871.410+/-227.703 χ^2/NDF: 33.8/37

cor_asym_usl_rms vs Slug



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

Left Out: 1106.805+/-0.192 χ^2/NDF:2117.6/20

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

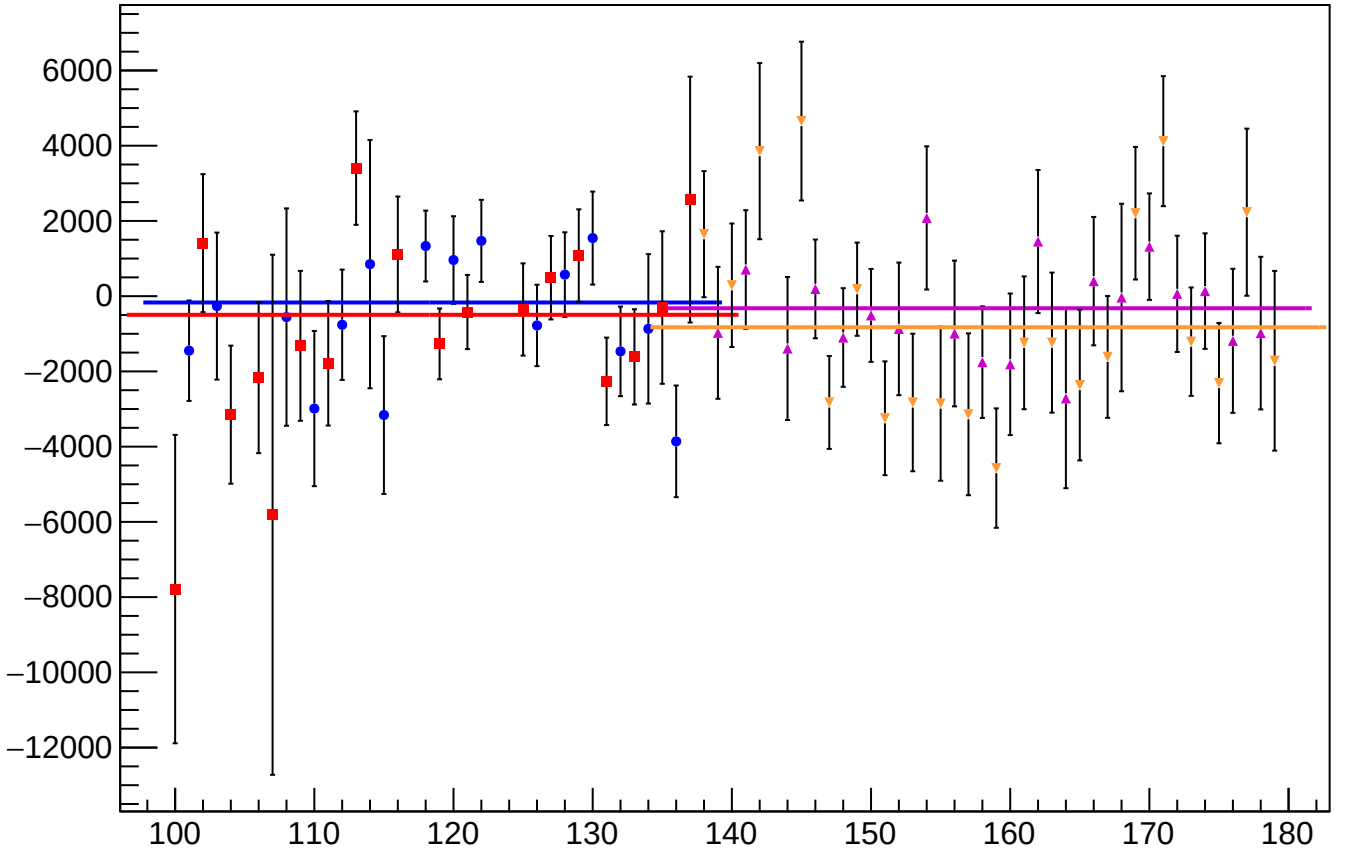
Left In: 1107.879+/-0.194 χ^2/NDF:3152.9/19

+ sign 1105.404+/-0.160 χ^2/NDF: 13642.0/36

All: 1107.049+/-0.113 χ^2/NDF: 24765.1/74

- sign 1108.719+/-0.161 χ^2/NDF: 10909.7/37

asym_usl_cor_correction_mean vs Slug



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

Left Out: -826.209+/-373.343 χ^2/NDF:43.2/20

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

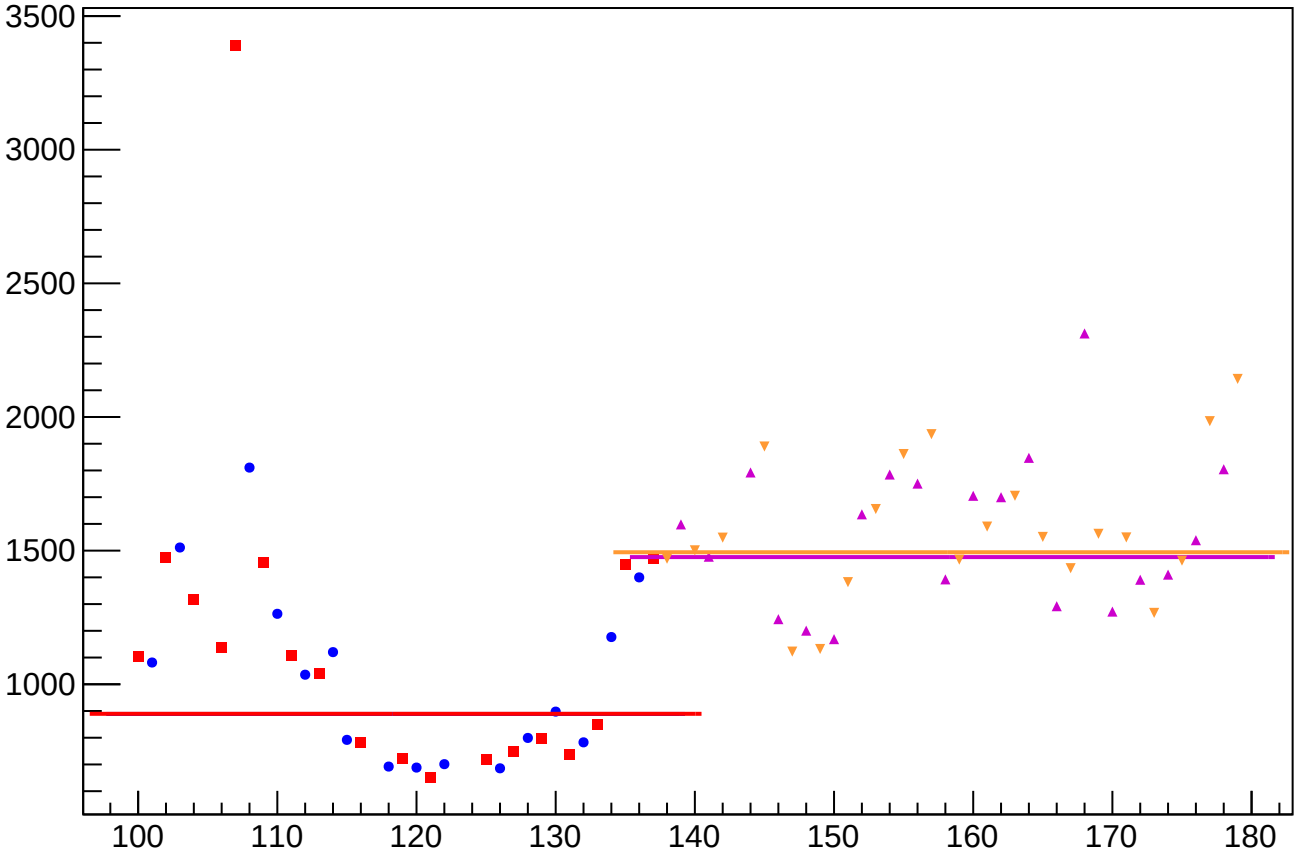
Left In: -320.949+/-371.769 χ^2/NDF:8.6/19

+ sign -471.534+/-253.555 χ^2/NDF: 65.9/36

All: -442.966+/-179.061 χ^2/NDF: 97.9/74

- sign -414.545+/-252.908 χ^2/NDF: 32.0/37

asym_usl_cor_correction_rms vs Slug



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

Left Out: 1493.978+/-0.264 χ^2/NDF:935890.5/20

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

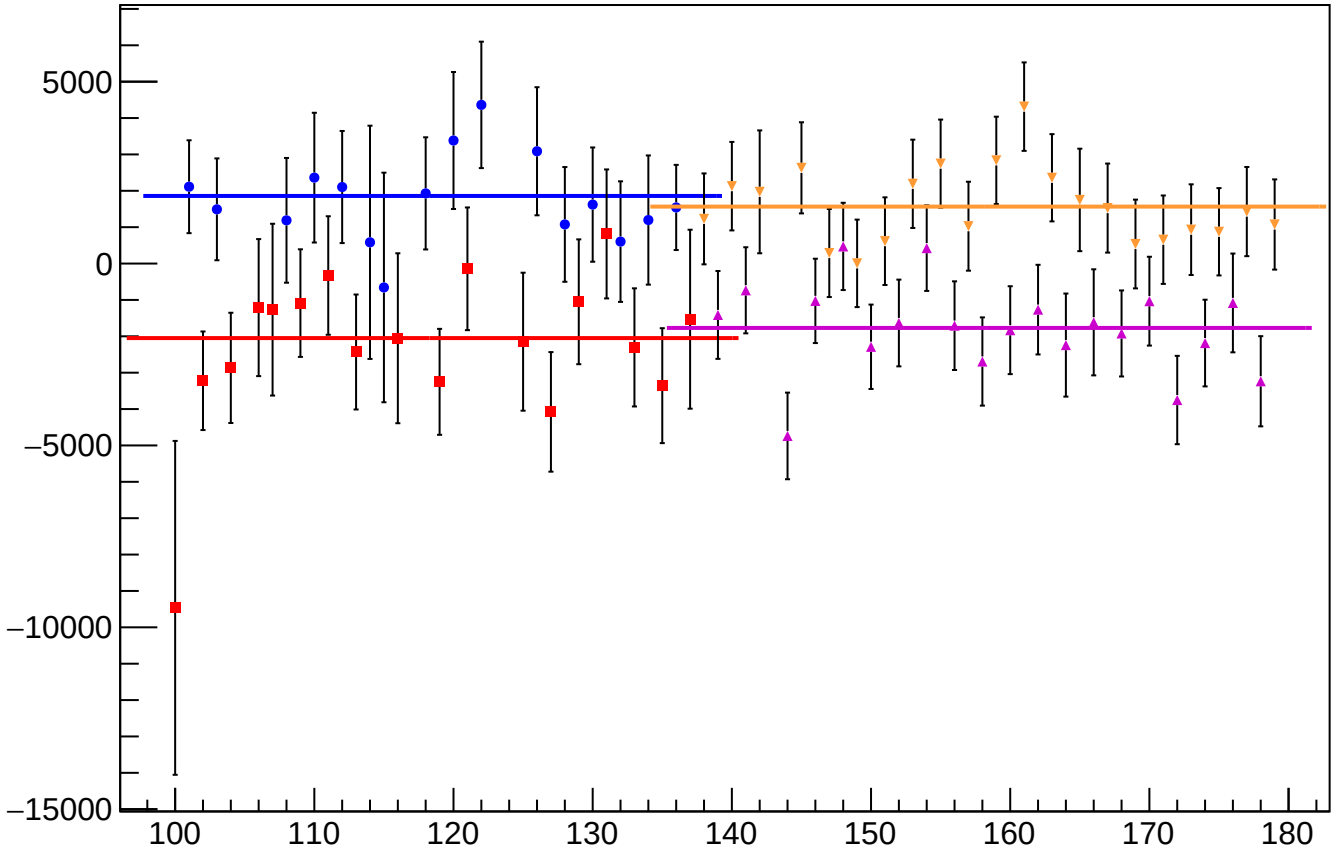
Left In: 1475.837+/-0.263 χ^2/NDF:915251.9/19

+ sign 1168.016+/-0.179 χ^2/NDF: 4898426.2/36

All: 1164.417+/-0.127 χ^2/NDF: 9832997.9/74

- sign 1160.835+/-0.179 χ^2/NDF: 4933767.4/37

overload_cor_asym_usl_mean vs Slug



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

Left Out: 1565.771+/-270.796 χ^2/NDF:14.6/20

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

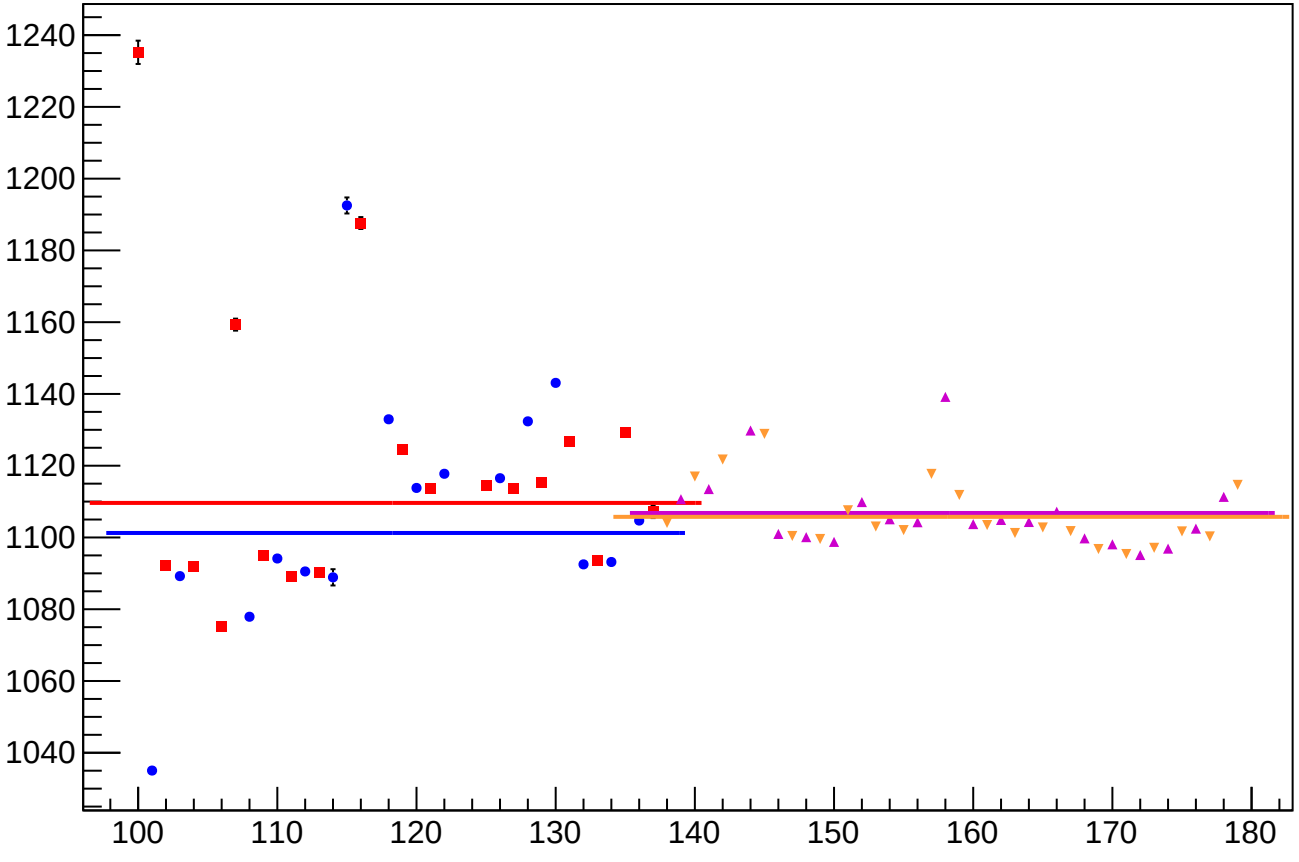
Left In: -1769.502+/-273.776 χ^2/NDF:20.4/19

+ sign 1654.989+/-225.820 χ^2/NDF: 20.4/36

All: -87.514+/-160.267 χ^2/NDF: 173.8/74

- sign -1855.916+/-227.492 χ^2/NDF: 33.4/37

overload_cor_asym_usl_rms vs Slug



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

Left Out: 1105.748+/-0.191 χ^2/NDF:1982.8/20

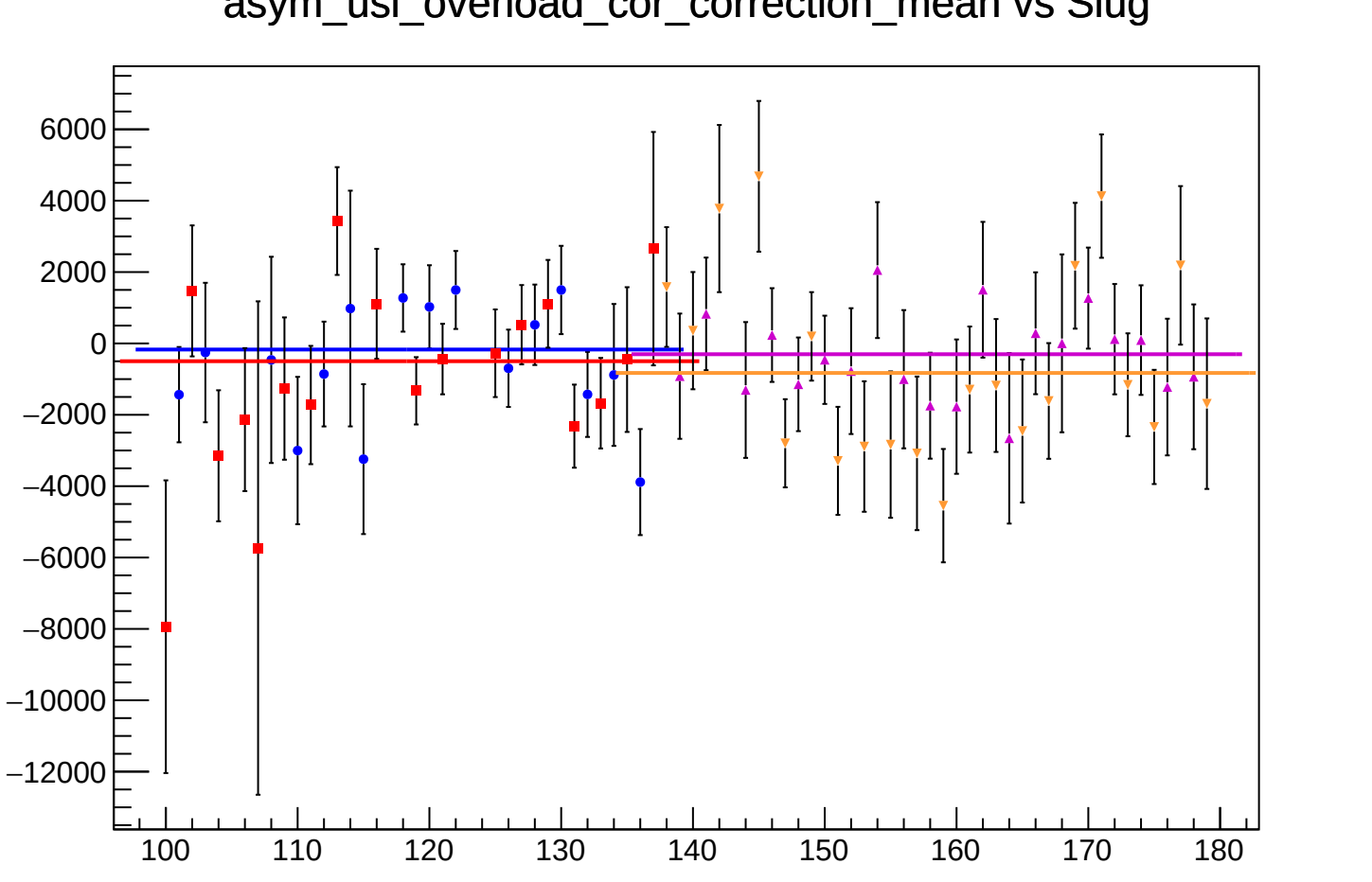
Right Out: 1109.629+/-0.289 χ^2/NDF: 7673.1/17

Left In: 1106.824+/-0.194 χ^2/NDF:3059.5/19

+ sign 1104.379+/-0.160 χ^2/NDF: 13458.8/36

All: 1106.023+/-0.113 χ^2/NDF: 24470.0/74

- sign 1107.692+/-0.161 χ^2/NDF: 10797.5/37



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

Left Out: -827.639+/-373.549 χ^2/NDF:43.0/20

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

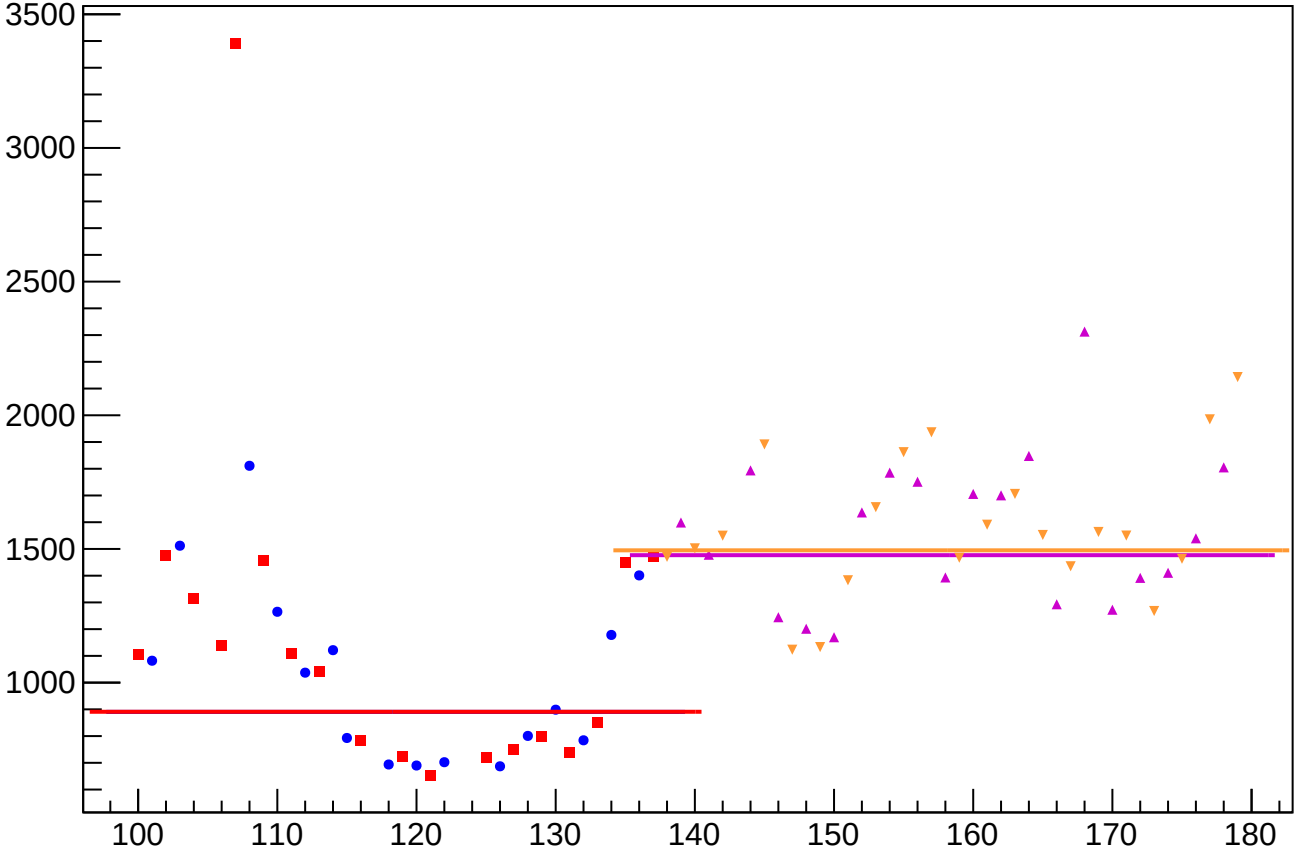
Left In: -302.435+/-371.978 χ^2/NDF:8.5/19

+ sign -474.160+/-253.832 χ^2/NDF: 65.6/36

All: -440.685+/-179.254 χ^2/NDF: 98.2/74

- sign -407.383+/-253.175 χ^2/NDF: 32.6/37

asym_usl_overload_cor_correction_rms vs Slug



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

Left Out: 1494.849+/-0.264 χ^2/NDF:934409.9/20

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

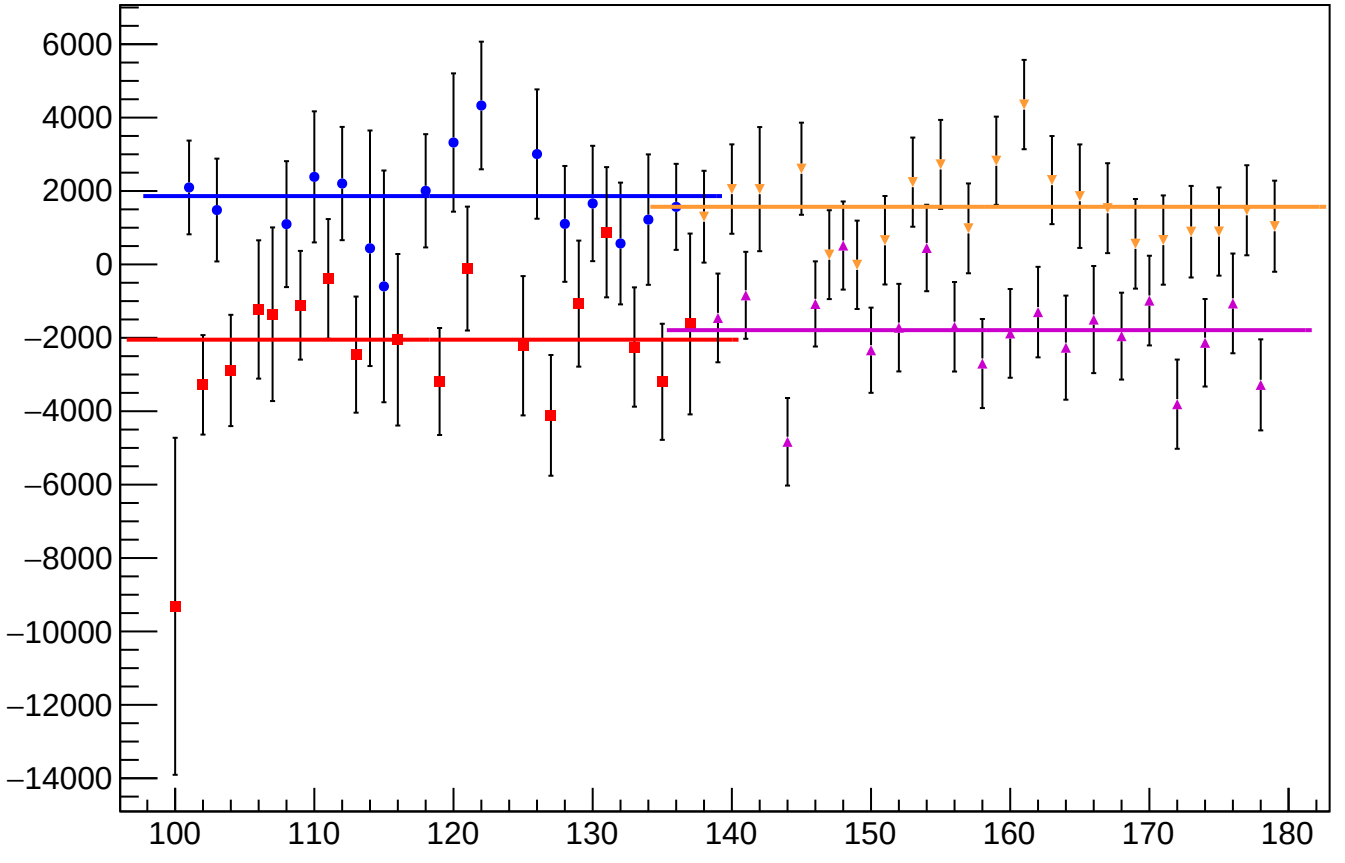
Left In: 1476.708+/-0.263 χ^2/NDF:913851.3/19

+ sign 1169.550+/-0.179 χ^2/NDF: 4880940.3/36

All: 1165.911+/-0.127 χ^2/NDF: 9799545.2/74

- sign 1162.290+/-0.179 χ^2/NDF: 4917784.8/37

eigen_cor_asym_usl_mean vs Slug



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

Left Out: 1569.709+/-271.057 χ^2/NDF:14.6/20

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

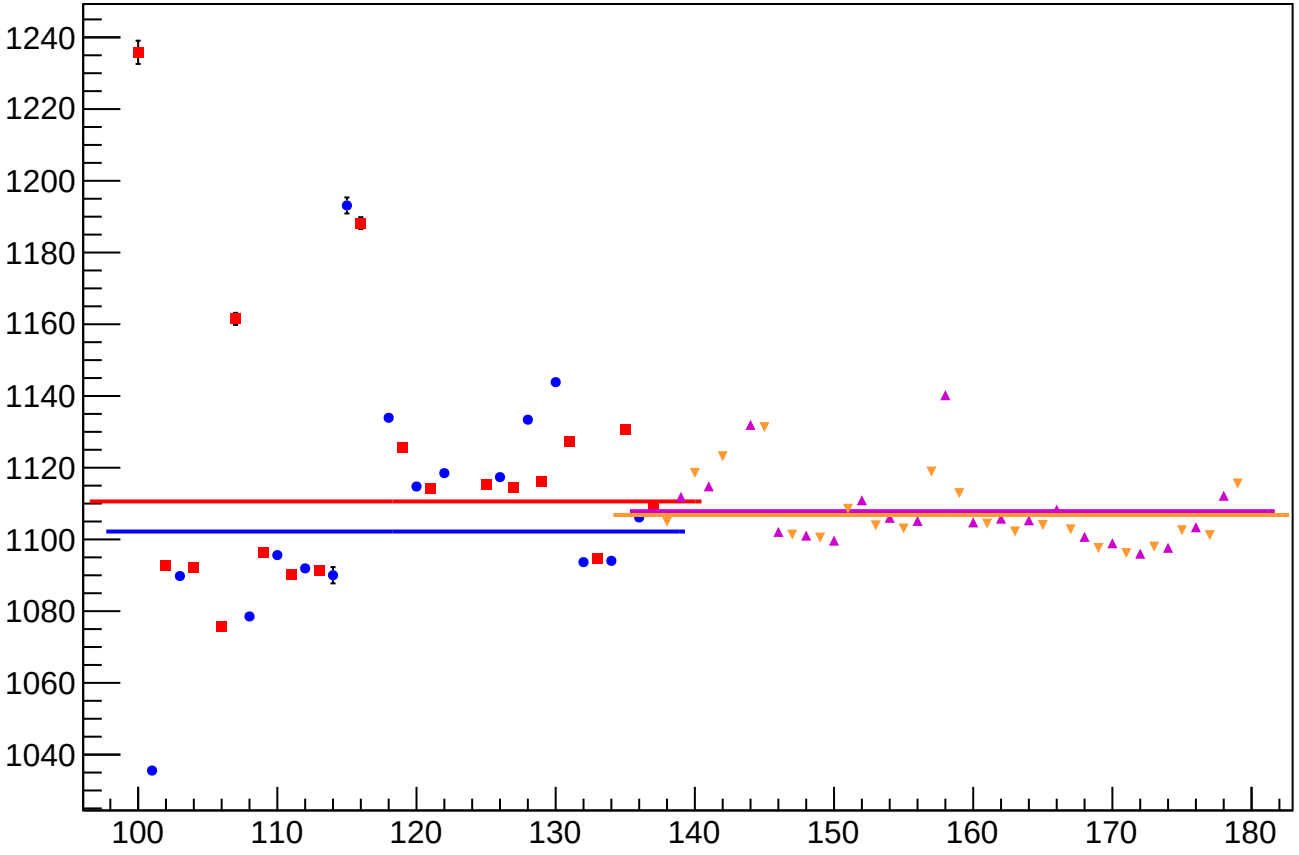
Left In: -1790.956+/-274.038 χ^2/NDF:21.0/19

+ sign 1658.606+/-226.031 χ^2/NDF: 20.3/36

All: -93.388+/-160.416 χ^2/NDF: 175.2/74

- sign -1871.410+/-227.703 χ^2/NDF: 33.8/37

eigen_cor_asym_usl_rms vs Slug



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

Left Out: 1106.805+/-0.192 χ^2/NDF:2117.6/20

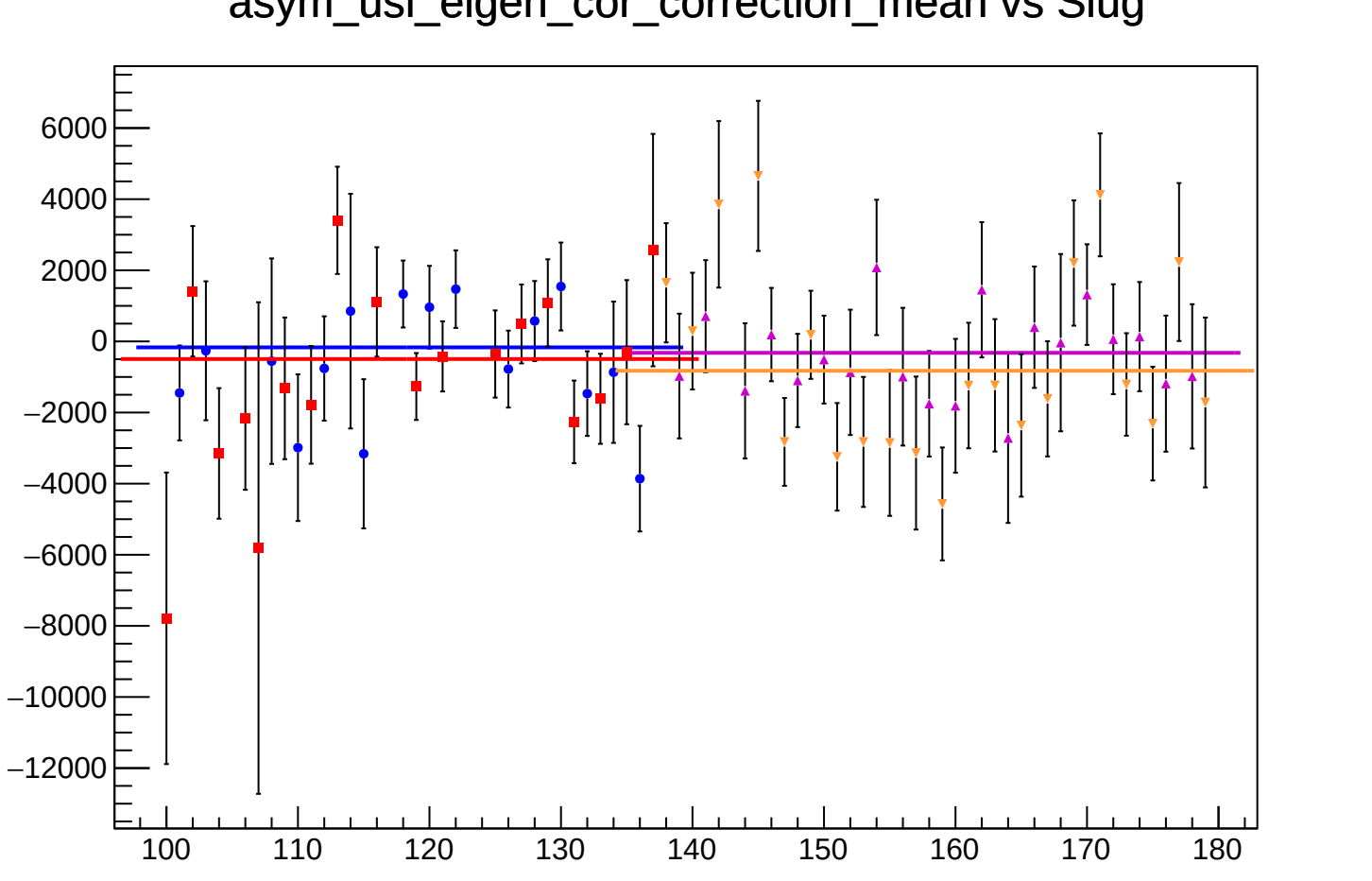
Right Out: 1110.592+/-0.289 χ^2/NDF: 7696.0/17

Left In: 1107.879+/-0.194 χ^2/NDF:3152.9/19

+ sign 1105.404+/-0.160 χ^2/NDF: 13642.0/36

All: 1107.049+/-0.113 χ^2/NDF: 24765.1/74

- sign 1108.719+/-0.161 χ^2/NDF: 10909.7/37



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

Left Out: -826.209+/-373.343 χ^2/NDF:43.2/20

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

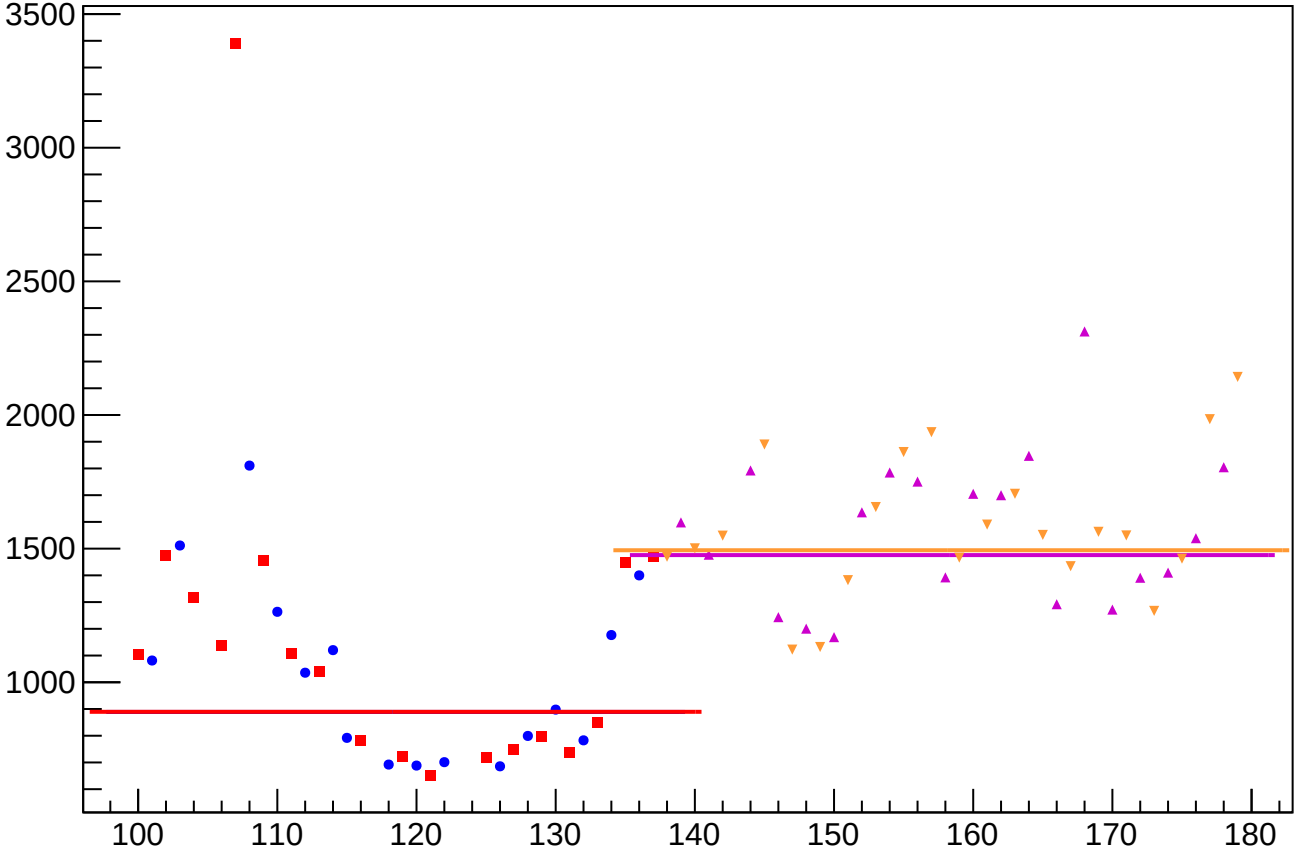
Left In: -320.949+/-371.769 χ^2/NDF:8.6/19

+ sign -471.534+/-253.555 χ^2/NDF: 65.9/36

All: -442.966+/-179.061 χ^2/NDF: 97.9/74

- sign -414.545+/-252.908 χ^2/NDF: 32.0/37

asym_usl_eigen_cor_correction_rms vs Slug



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

Left Out: 1493.978+/-0.264 χ^2/NDF:935890.5/20

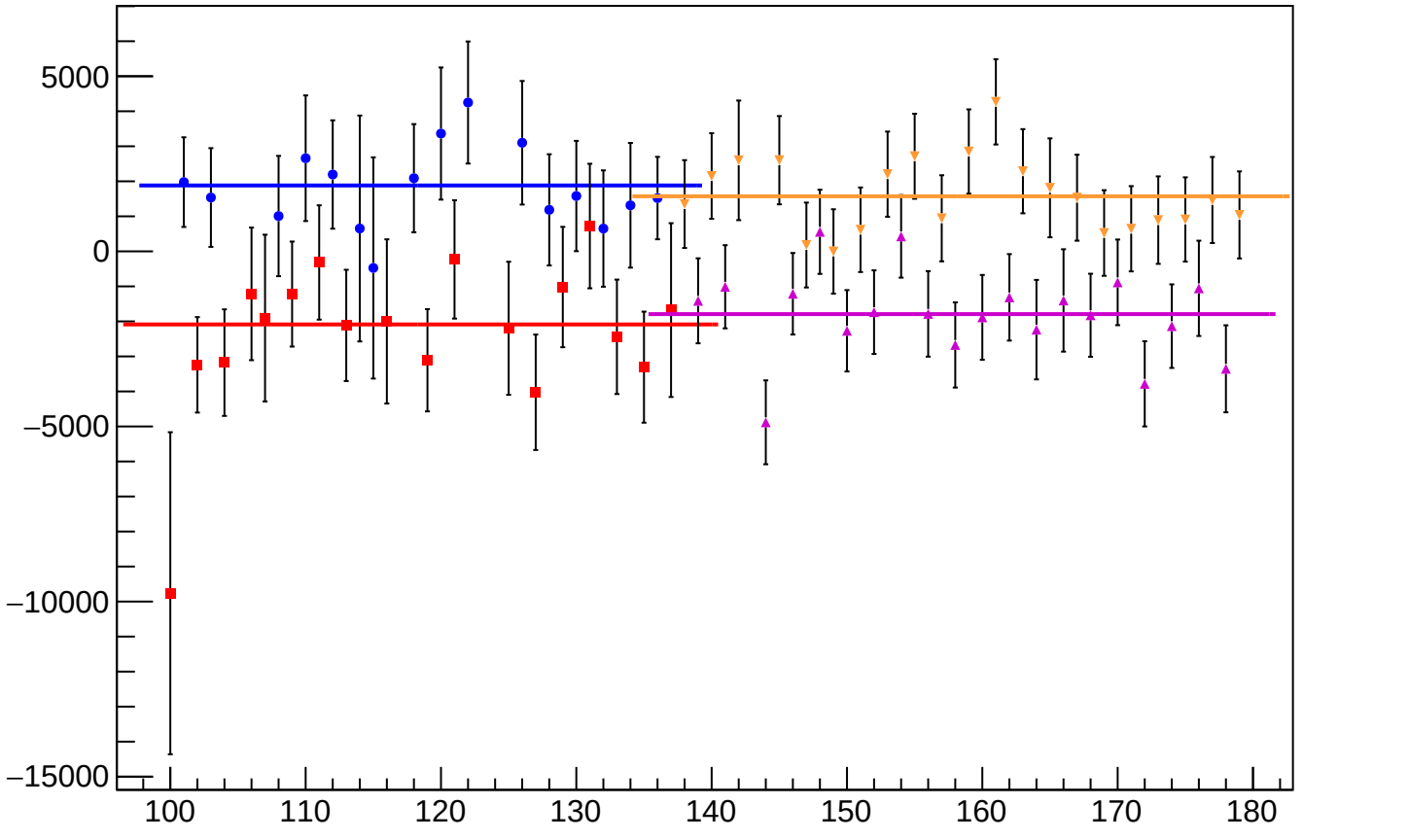
Right Out: 889.478+/-0.244 χ^2/NDF: 1345750.2/17

Left In: 1475.837+/-0.263 χ^2/NDF:915251.9/19

+ sign 1168.016+/-0.179 χ^2/NDF: 4898426.2/36

All: 1164.417+/-0.127 χ^2/NDF: 9832997.9/74

- sign 1160.835+/-0.179 χ^2/NDF: 4933767.4/37



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

Left Out: 1572.313+/-271.570 χ^2/NDF:14.9/20

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

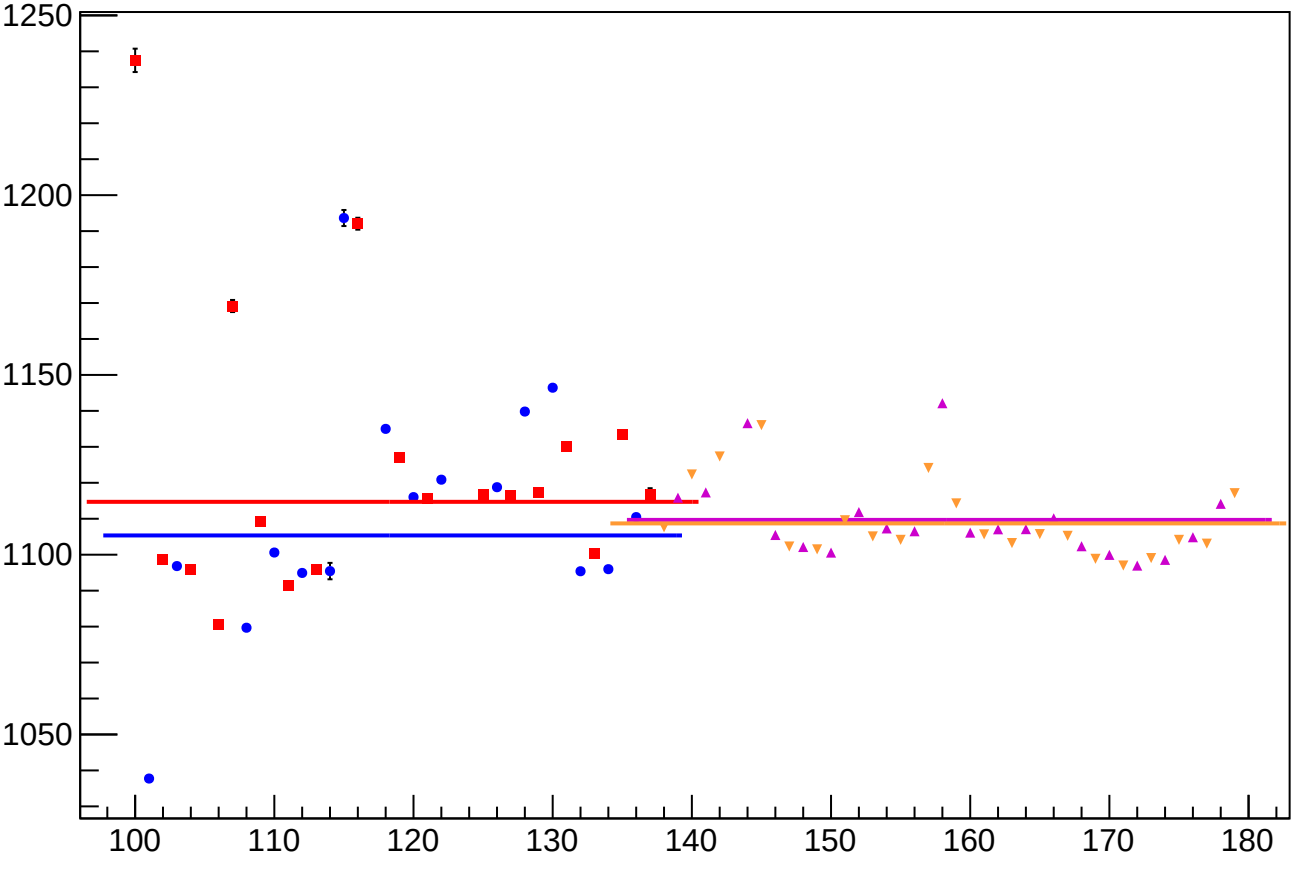
Left In: -1791.906+/-274.489 χ^2/NDF:21.0/19

+ sign 1666.381+/-226.526 χ^2/NDF: 20.5/36

All: -95.018+/-160.776 χ^2/NDF: 176.0/74

- sign -1882.959+/-228.226 χ^2/NDF: 33.7/37

dit_asym_usl_rms vs Slug



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

Left Out: 1108.702+/-0.192 χ^2/NDF:2635.7/20

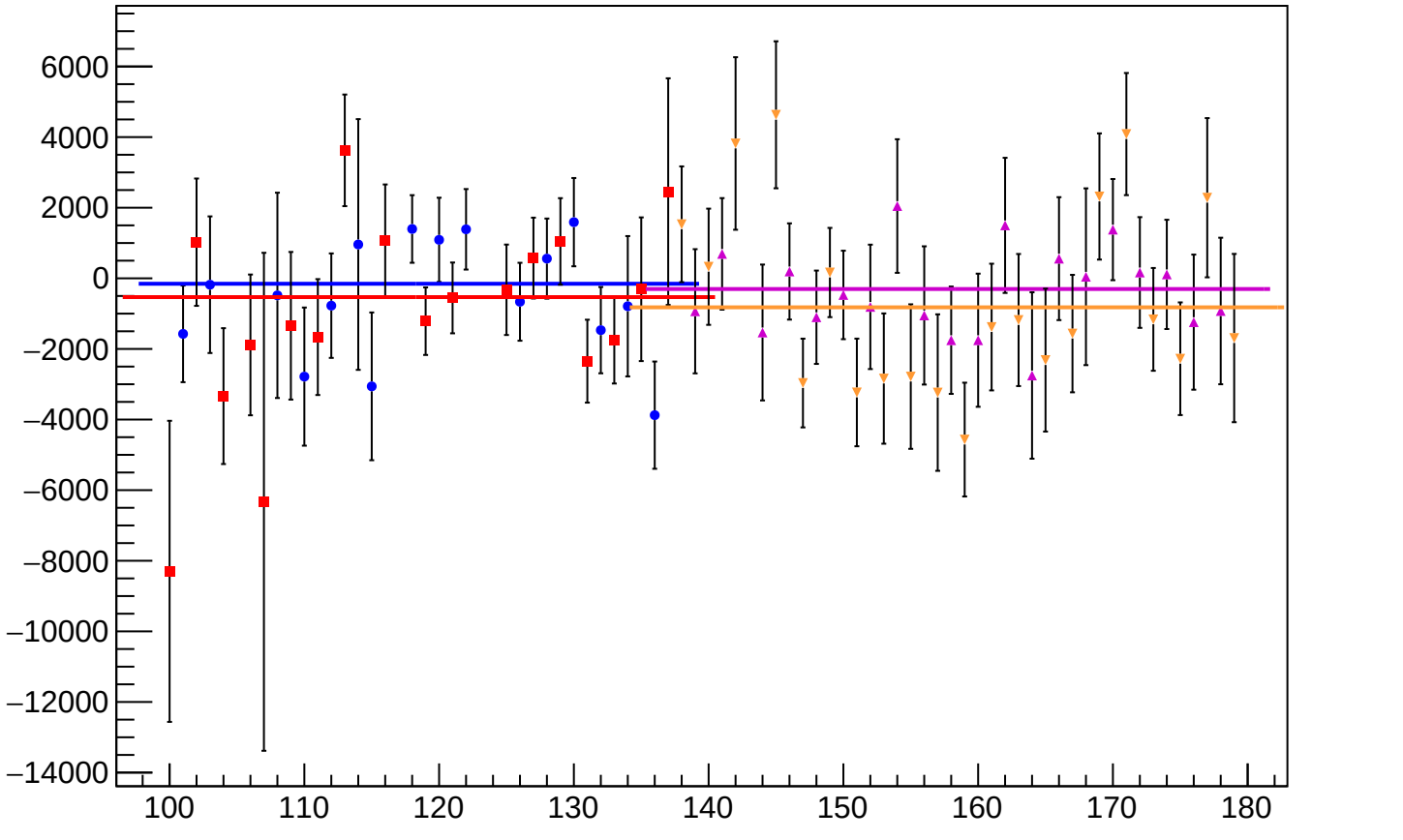
Right Out: 1114.705+/-0.290 χ^2/NDF: 7330.3/17

Left In: 1109.680+/-0.194 χ^2/NDF:3502.5/19

+ sign 1107.684+/-0.160 χ^2/NDF: 14059.0/36

All: 1109.444+/-0.114 χ^2/NDF: 25342.1/74

- sign 1111.231+/-0.161 χ^2/NDF: 11039.7/37



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

Left Out: -821.506+/-376.978 χ^2/NDF:42.7/20

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

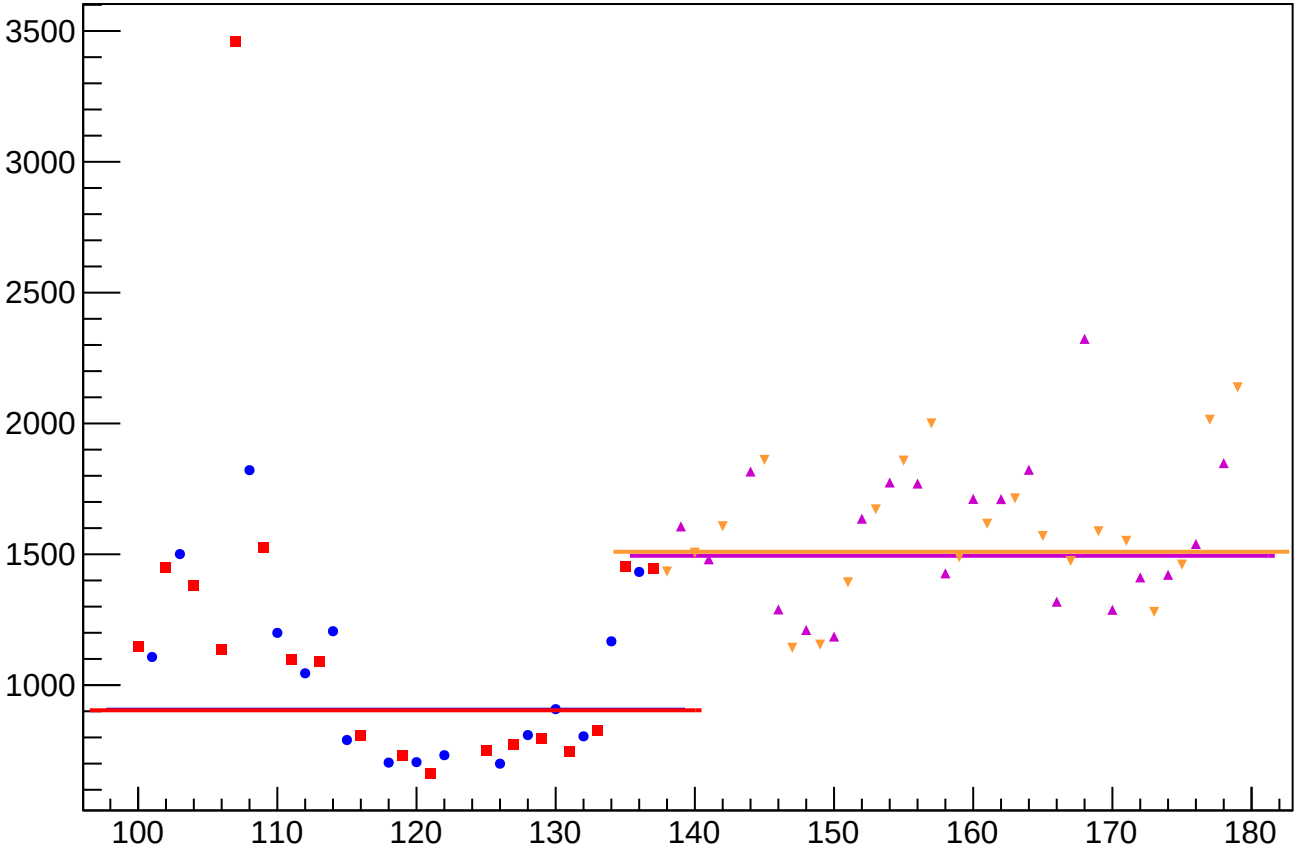
Left In: -302.746+/-375.900 χ^2/NDF:8.8/19

+ sign -464.263+/-257.012 χ^2/NDF: 64.8/36

All: -444.825+/-181.488 χ^2/NDF: 97.1/74

- sign -425.493+/-256.314 χ^2/NDF: 32.2/37

asym_usl_dit_correction_rms vs Slug



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

Left Out: 1509.657+/-0.267 χ^2/NDF:905549.4/20

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

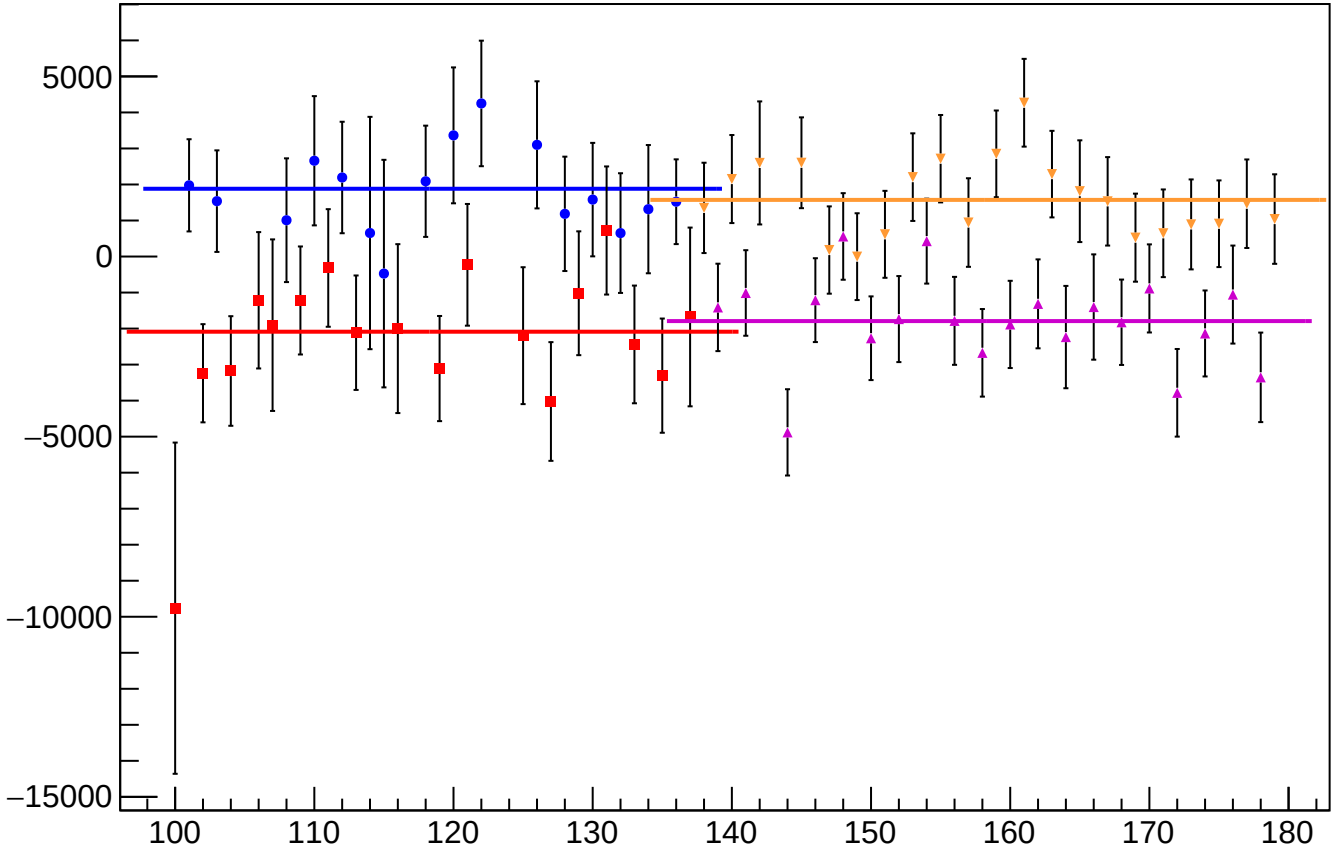
Left In: 1494.263+/-0.266 χ^2/NDF:865104.3/19

+ sign 1186.605+/-0.182 χ^2/NDF: 4729302.0/36

All: 1182.445+/-0.128 χ^2/NDF: 9576250.3/74

- sign 1178.307+/-0.181 χ^2/NDF: 4845903.0/37

eigen_dit_asym_usl_mean vs Slug



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

Left Out: 1572.310+/-271.570 χ^2/NDF:14.9/20

Right Out: -2086.884+/-410.785 χ^2/NDF: 12.4/17

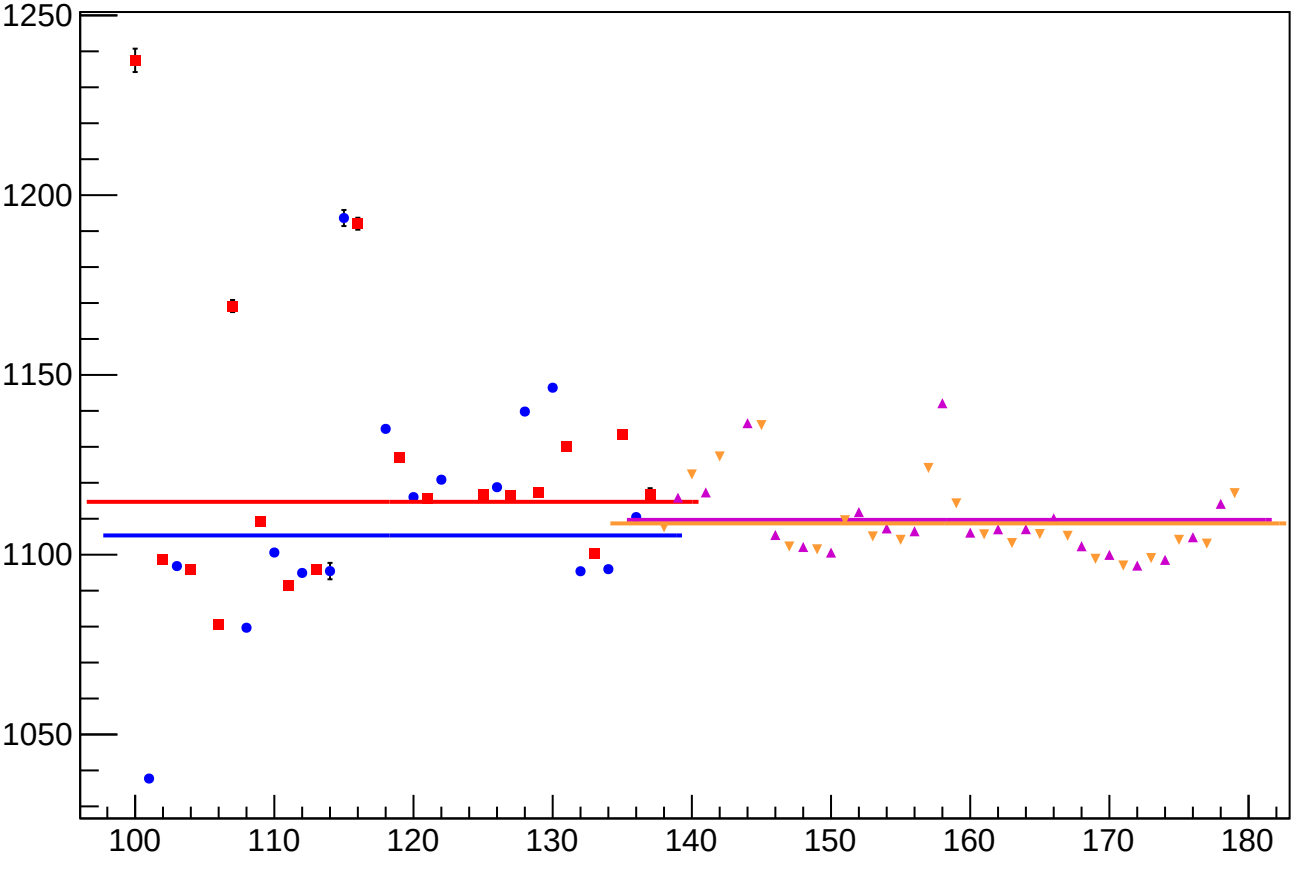
Left In: -1791.908+/-274.489 χ^2/NDF:21.0/19

+ sign 1666.378+/-226.526 χ^2/NDF: 20.5/36

All: -95.019+/-160.776 χ^2/NDF: 176.0/74

- sign -1882.959+/-228.226 χ^2/NDF: 33.7/37

eigen_dit_asym_usl_rms vs Slug



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

Left Out: 1108.702+/-0.192 χ^2/NDF:2635.7/20

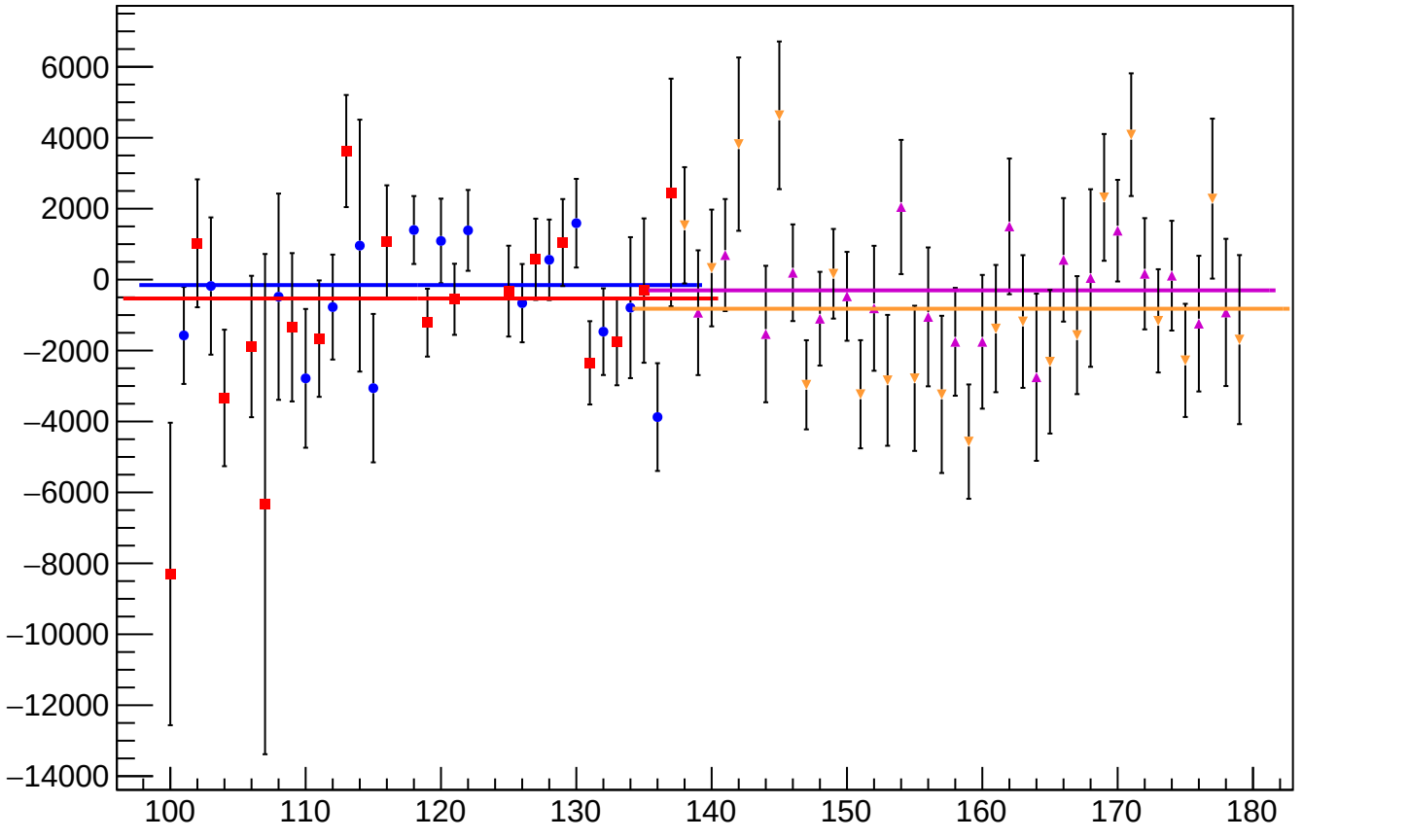
Right Out: 1114.705+/-0.290 χ^2/NDF: 7330.2/17

Left In: 1109.680+/-0.194 χ^2/NDF:3502.5/19

+ sign 1107.684+/-0.160 χ^2/NDF: 14059.0/36

All: 1109.444+/-0.114 χ^2/NDF: 25342.0/74

- sign 1111.231+/-0.161 χ^2/NDF: 11039.6/37



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

Left Out: -821.510+/-376.979 χ^2/NDF:42.7/20

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

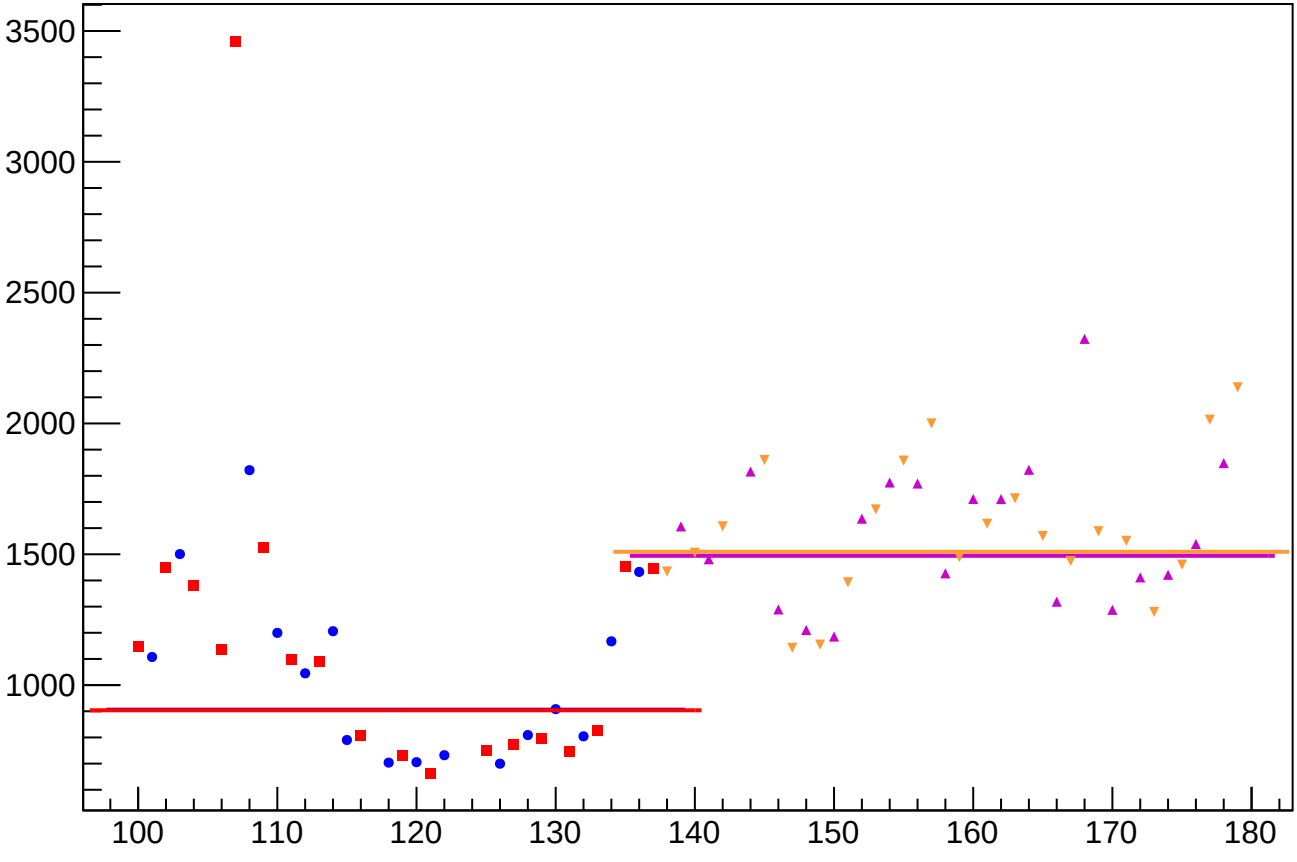
Left In: -302.747+/-375.900 χ^2/NDF:8.8/19

+ sign -464.263+/-257.012 χ^2/NDF: 64.8/36

All: -444.825+/-181.488 χ^2/NDF: 97.1/74

- sign -425.493+/-256.314 χ^2/NDF: 32.2/37

asym_usl_eigen_dit_correction_rms vs Slug



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

Left Out: 1509.659+/-0.267 χ^2/NDF:905545.6/20

Right Out: 903.751+/-0.248 χ^2/NDF: 1339985.4/17

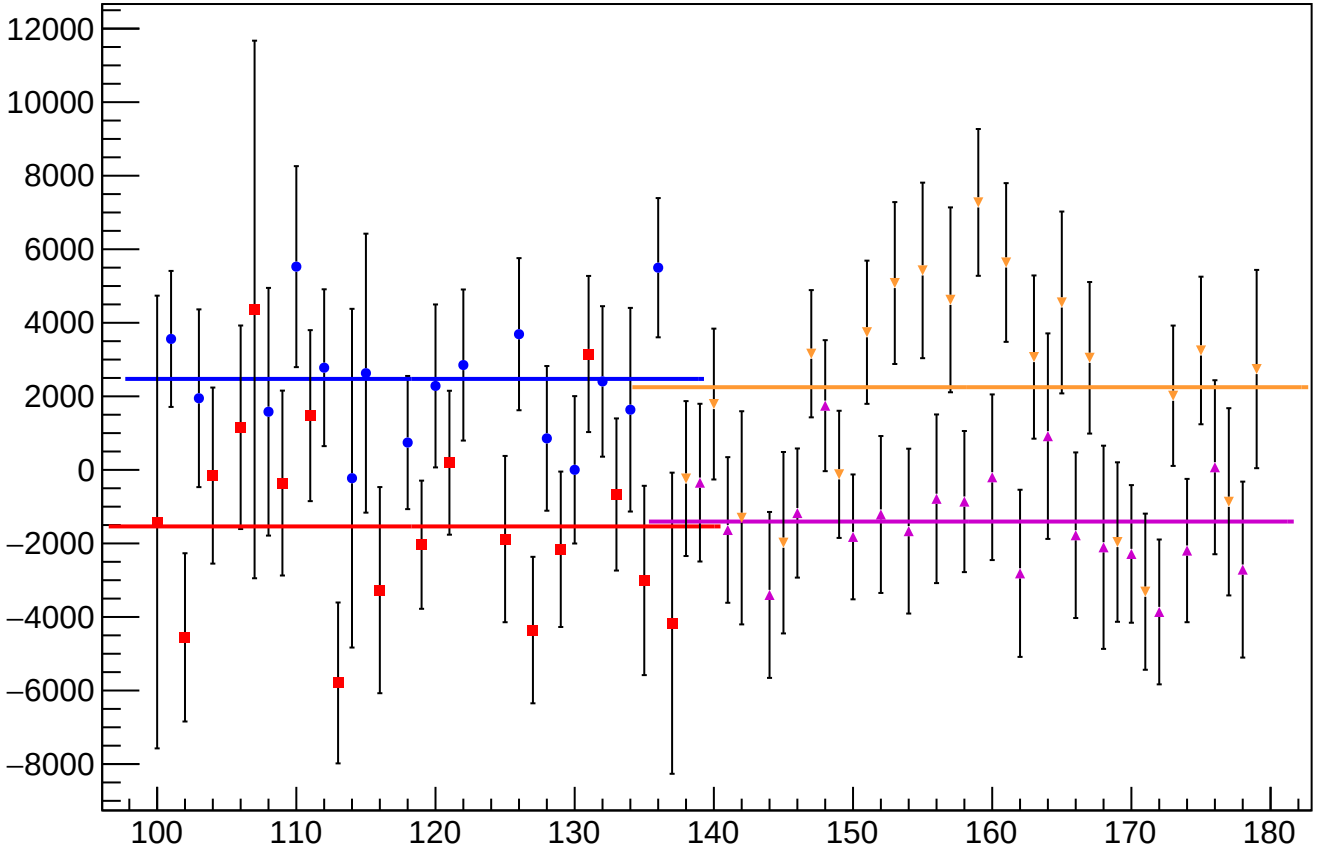
Left In: 1494.264+/-0.266 χ^2/NDF:865100.9/19

+ sign 1186.604+/-0.182 χ^2/NDF: 4729337.7/36

All: 1182.443+/-0.128 χ^2/NDF: 9576320.8/74

- sign 1178.305+/-0.181 χ^2/NDF: 4845937.8/37

asym_usl_mean vs Slug



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

Left Out: 2248.515+/-469.538 χ^2/NDF:35.3/20

Right Out: -1537.435+/-563.556 χ^2/NDF: 18.5/17

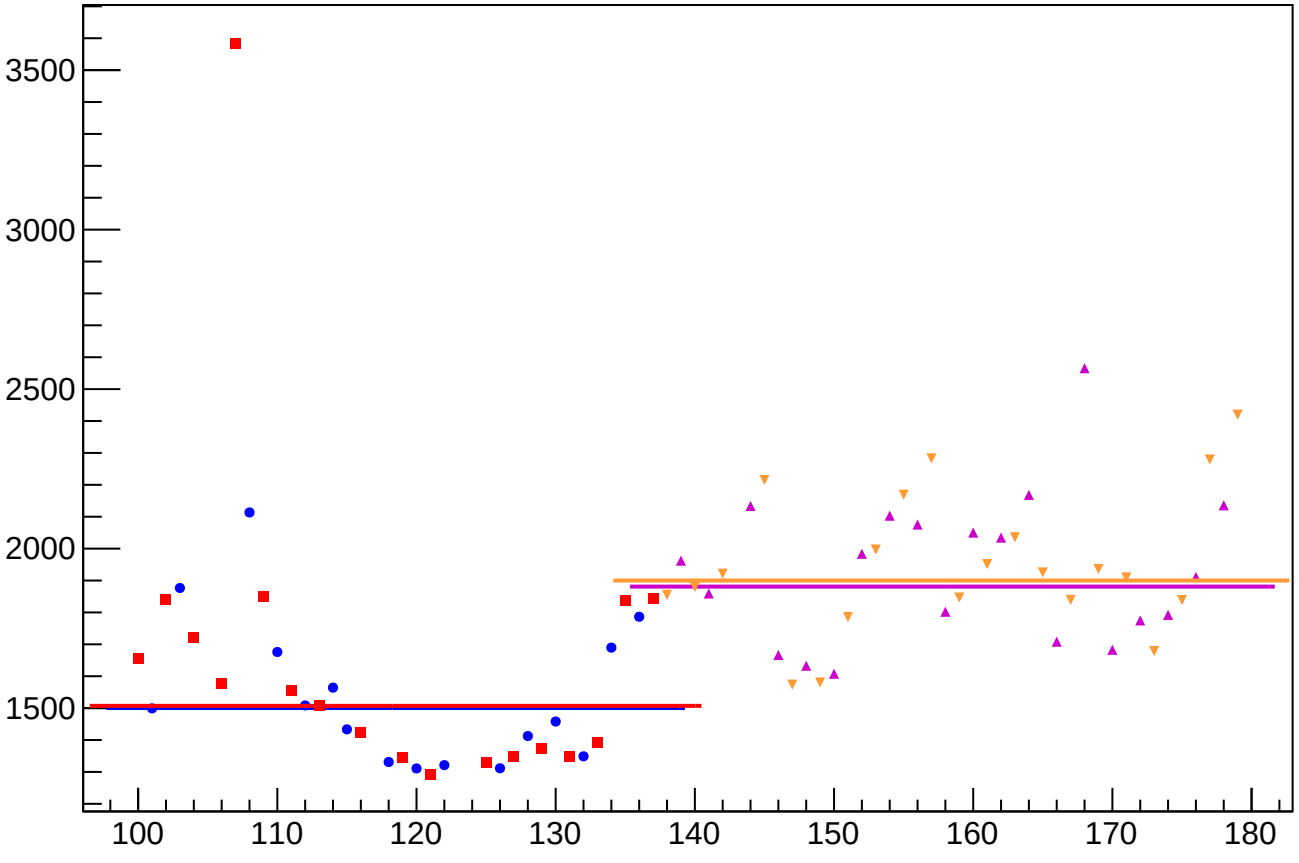
Left In: -1405.134+/-469.195 χ^2/NDF:8.5/19

+ sign 2341.080+/-360.539 χ^2/NDF: 43.6/36

All: 441.123+/-254.955 χ^2/NDF: 126.2/74

- sign -1459.297+/-360.583 χ^2/NDF: 27.0/37

asym_usl_rms vs Slug



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

Left Out: 1900.019+/-0.332 χ^2/NDF:416049.7/20

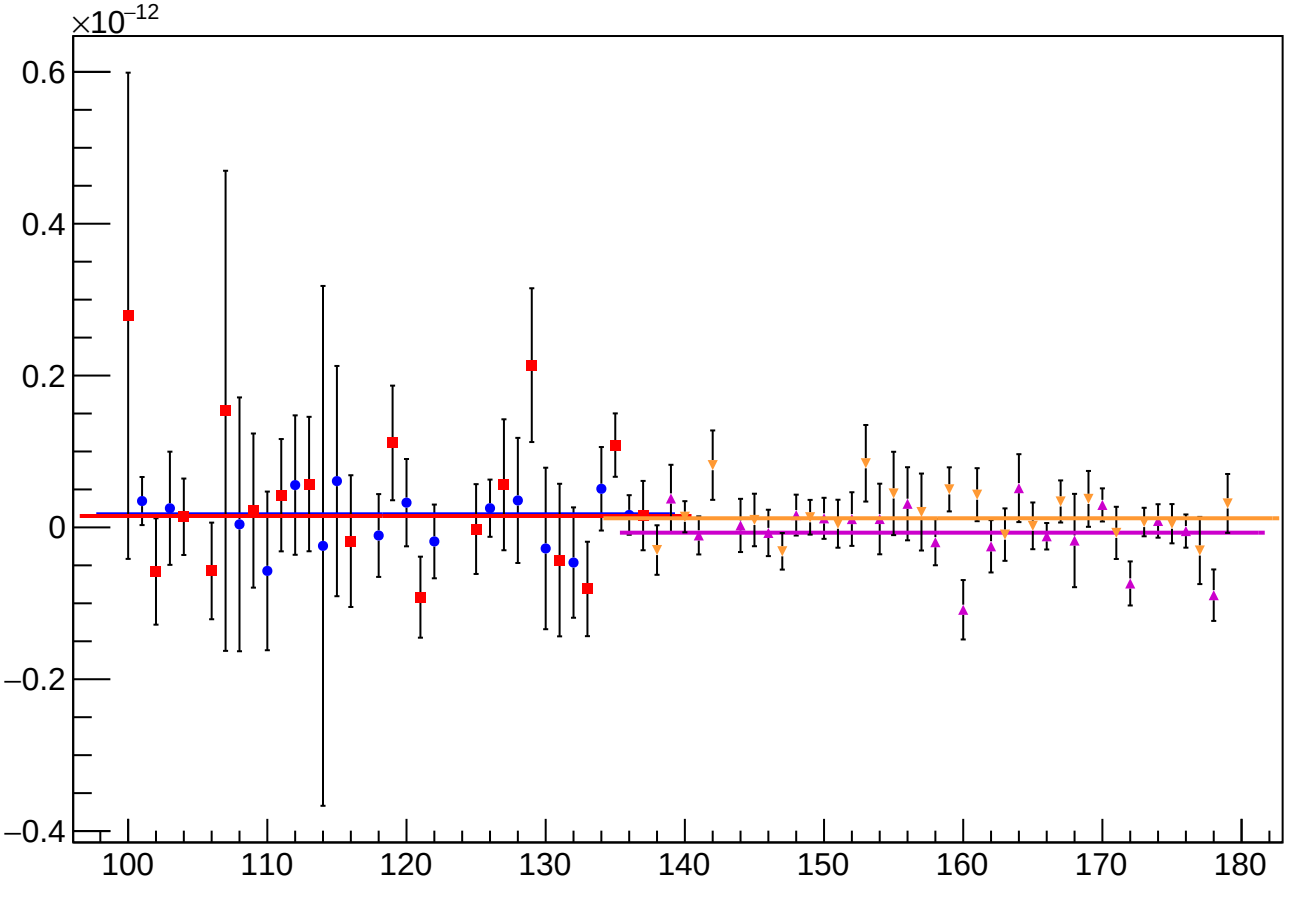
Right Out: 1507.098+/-0.398 χ^2/NDF: 401227.7/17

Left In: 1880.963+/-0.332 χ^2/NDF:422206.5/19

+ sign 1736.008+/-0.255 χ^2/NDF: 1269452.7/36

All: 1731.958+/-0.180 χ^2/NDF: 2613252.9/74

- sign 1727.907+/-0.255 χ^2/NDF: 1343295.3/37



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

Left Out: 0.000+/-0.000 χ^2/NDF:15.5/20

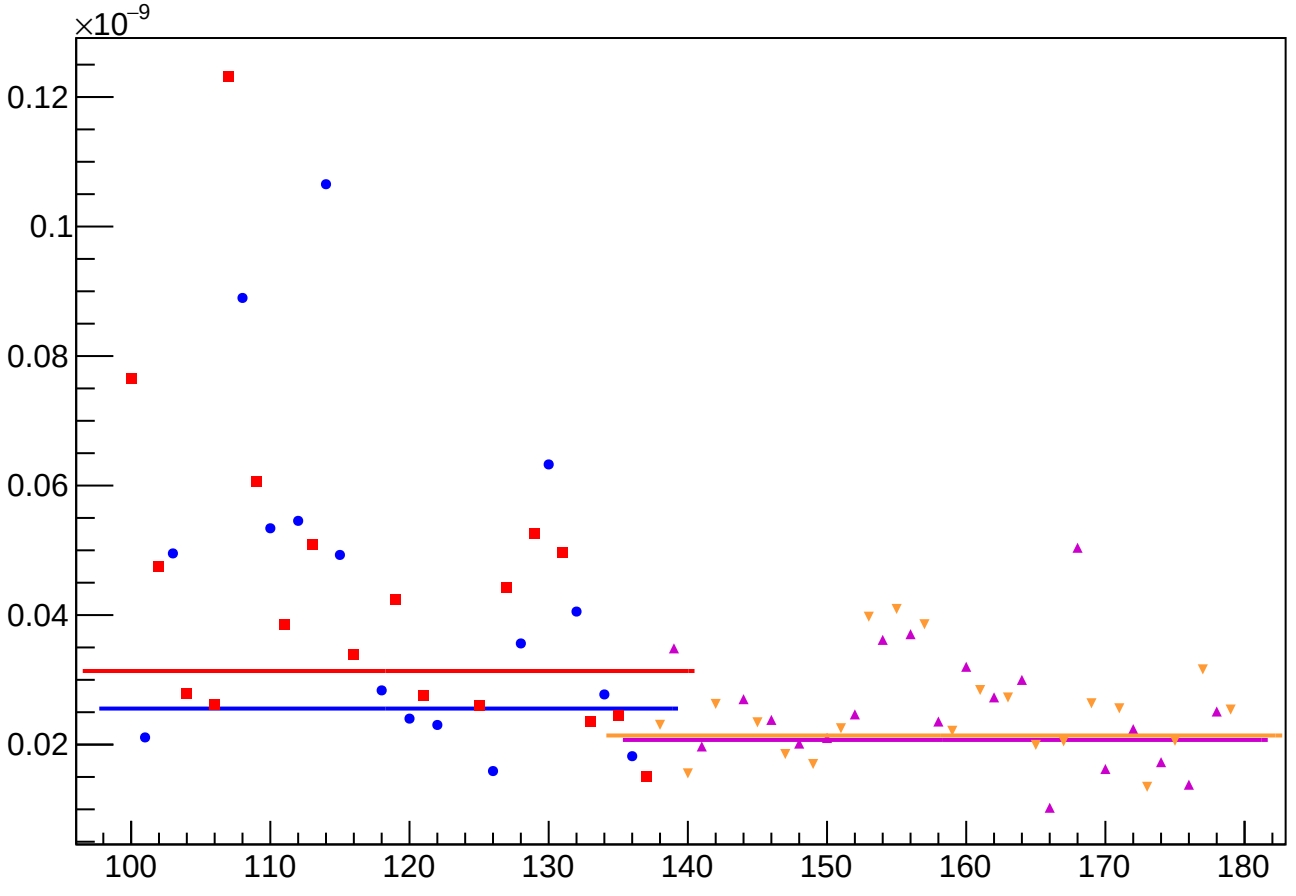
Right Out: 0.000+/-0.000 χ^2/NDF: 21.3/17

Left In: -0.000+/-0.000 χ^2/NDF:26.9/19

+ sign 0.000+/-0.000 χ^2/NDF: 19.0/36

All: 0.000+/-0.000 χ^2/NDF: 72.8/74

- sign -0.000+/-0.000 χ^2/NDF: 49.8/37



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

Left Out: 0.000+/-0.000 χ^2/NDF:1748782.7/20

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

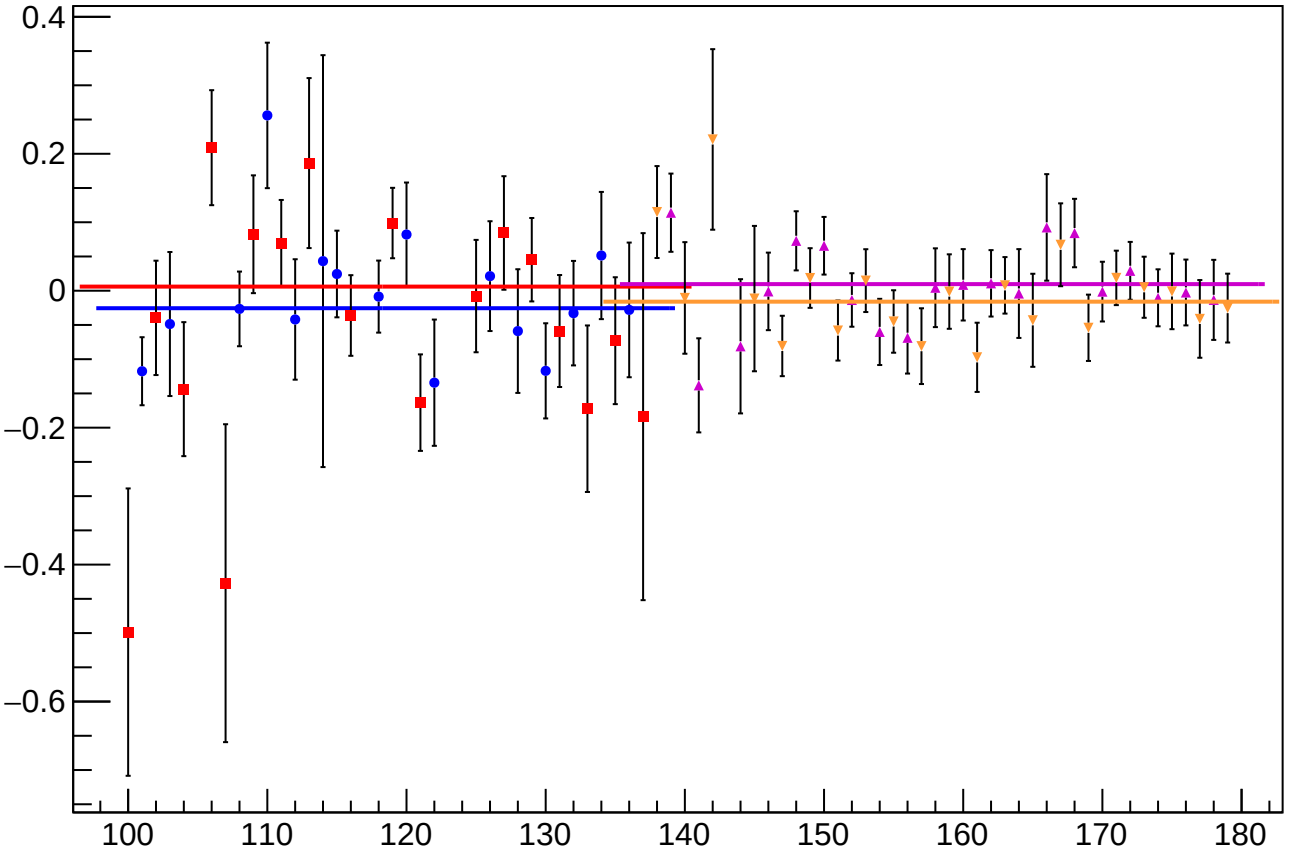
Left In: 0.000+/-0.000 χ^2/NDF:2672630.1/19

+ sign 0.000+/-0.000 χ^2/NDF: 3608800.0/36

All: 0.000+/-0.000 χ^2/NDF: 8260668.8/74

- sign 0.000+/-0.000 χ^2/NDF: 4651865.5/37

asym_usl_dit_vs_cor_diff_mean vs Slug



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

Left Out: -0.016+/-0.011 χ^2/NDF:19.9/20

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

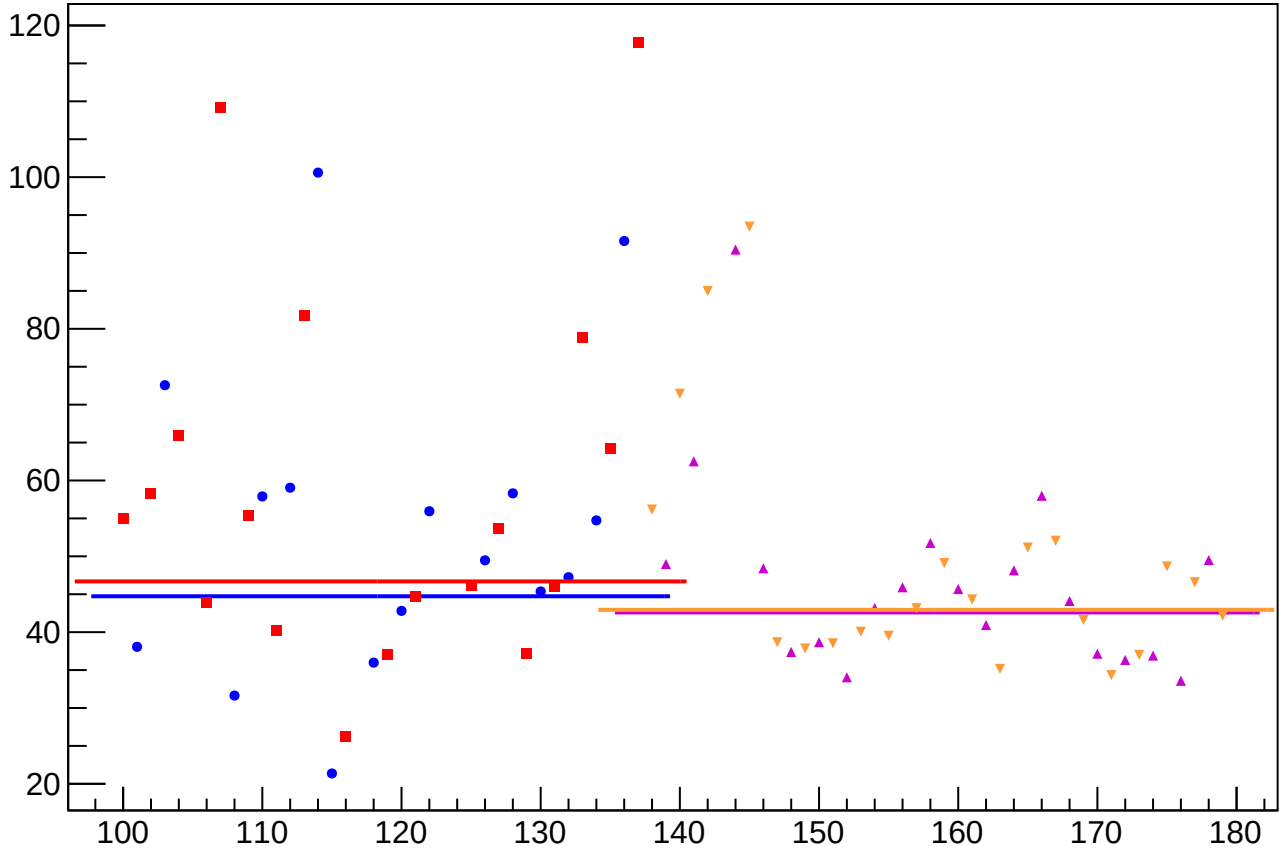
Left In: 0.010+/-0.011 χ^2/NDF:21.6/19

+ sign -0.019+/-0.010 χ^2/NDF: 37.7/36

All: -0.005+/-0.007 χ^2/NDF: 99.8/74

- sign 0.009+/-0.010 χ^2/NDF: 58.2/37

asym_usl_dit_vs_cor_diff_rms vs Slug



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

Left Out: 42.945+/-0.008 χ^2/NDF:1397871.6/20

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

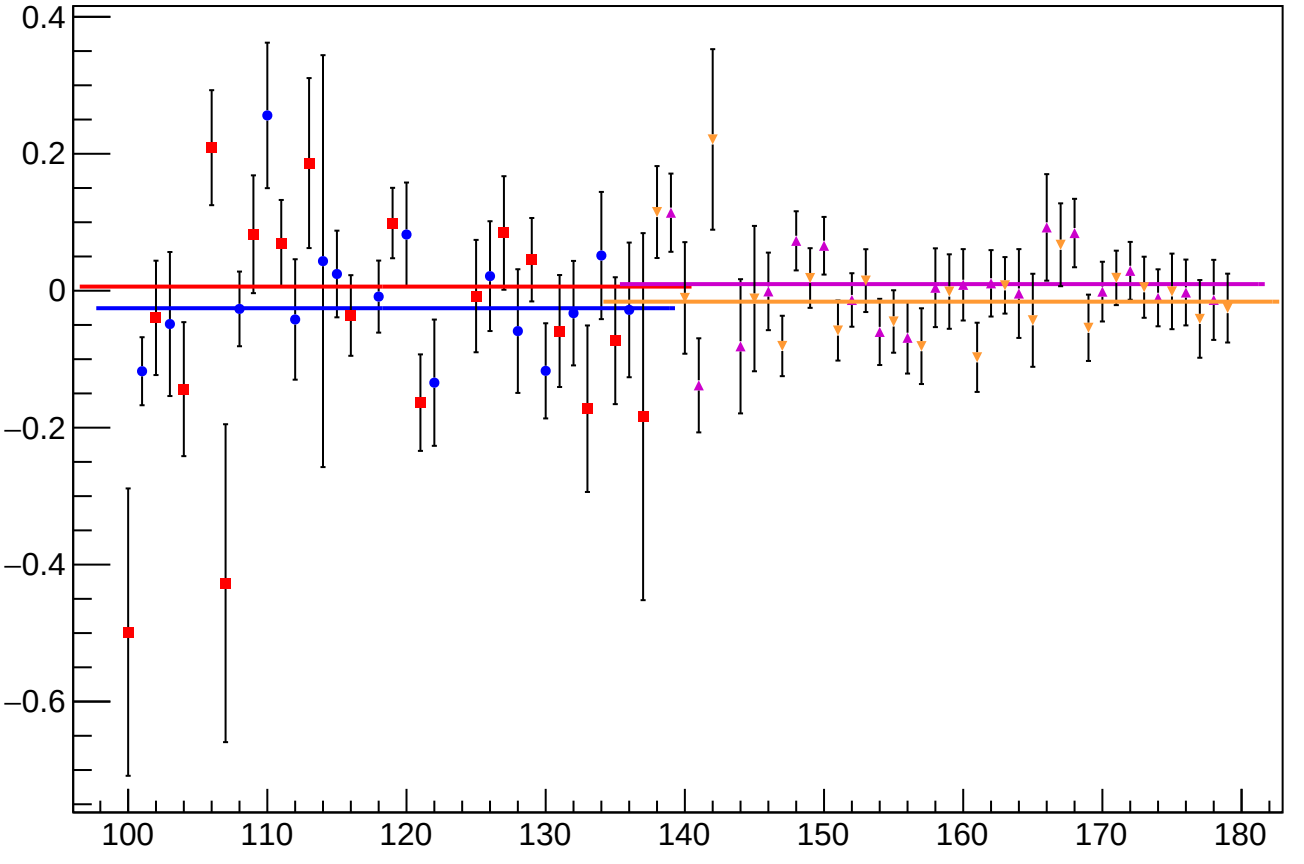
Left In: 42.597+/-0.008 χ^2/NDF:1207283.9/19

+ sign 43.424+/-0.007 χ^2/NDF: 2745707.3/36

All: 43.531+/-0.005 χ^2/NDF: 5215359.7/74

- sign 43.640+/-0.007 χ^2/NDF: 2469158.9/37

asym_usl_dit_vs_eigen_cor_diff_mean vs Slug



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

Left Out: -0.016+/-0.011 χ^2/NDF:19.9/20

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

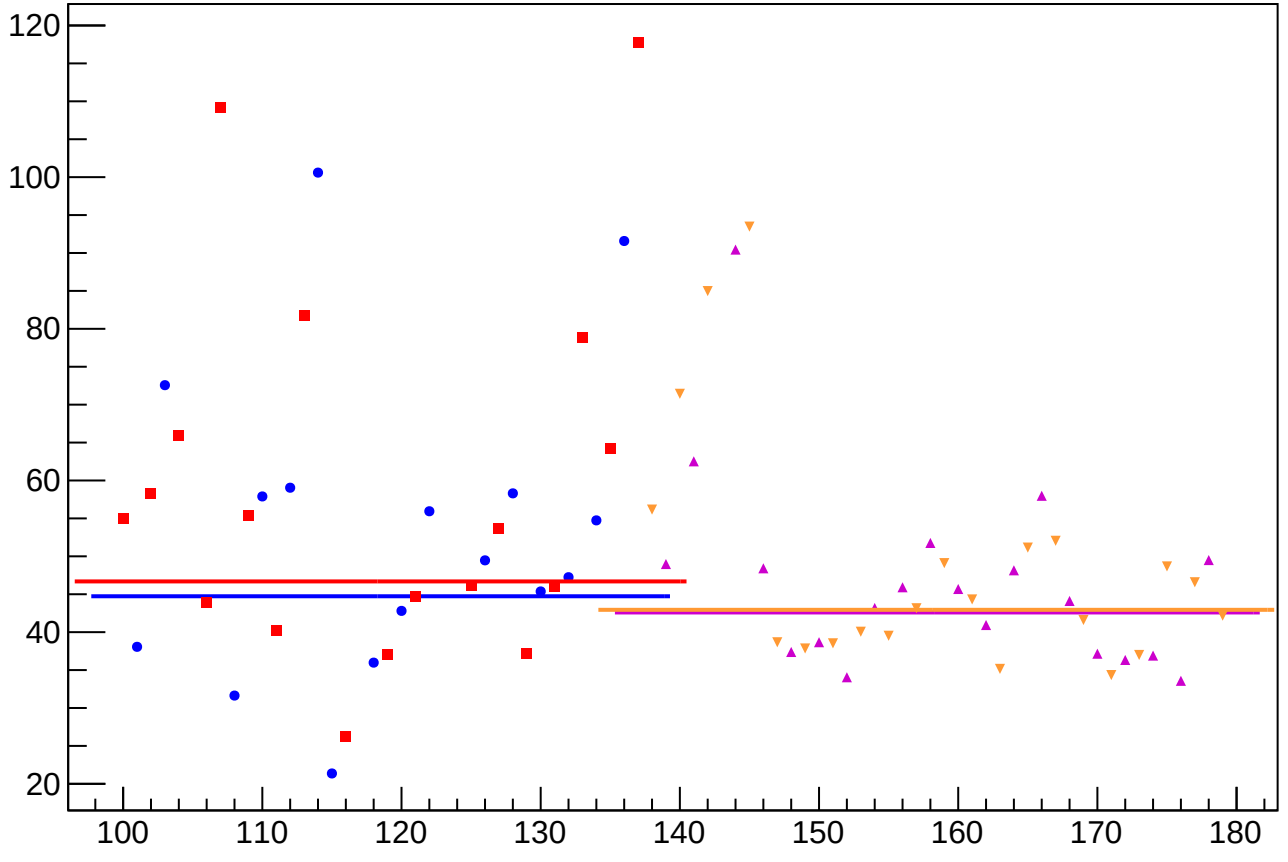
Left In: 0.010+/-0.011 χ^2/NDF:21.6/19

+ sign -0.019+/-0.010 χ^2/NDF: 37.7/36

All: -0.005+/-0.007 χ^2/NDF: 99.8/74

- sign 0.009+/-0.010 χ^2/NDF: 58.2/37

asym_usl_dit_vs_eigen_cor_diff_rms vs Slug



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

Left Out: 42.945+/-0.008 χ^2/NDF:1397871.6/20

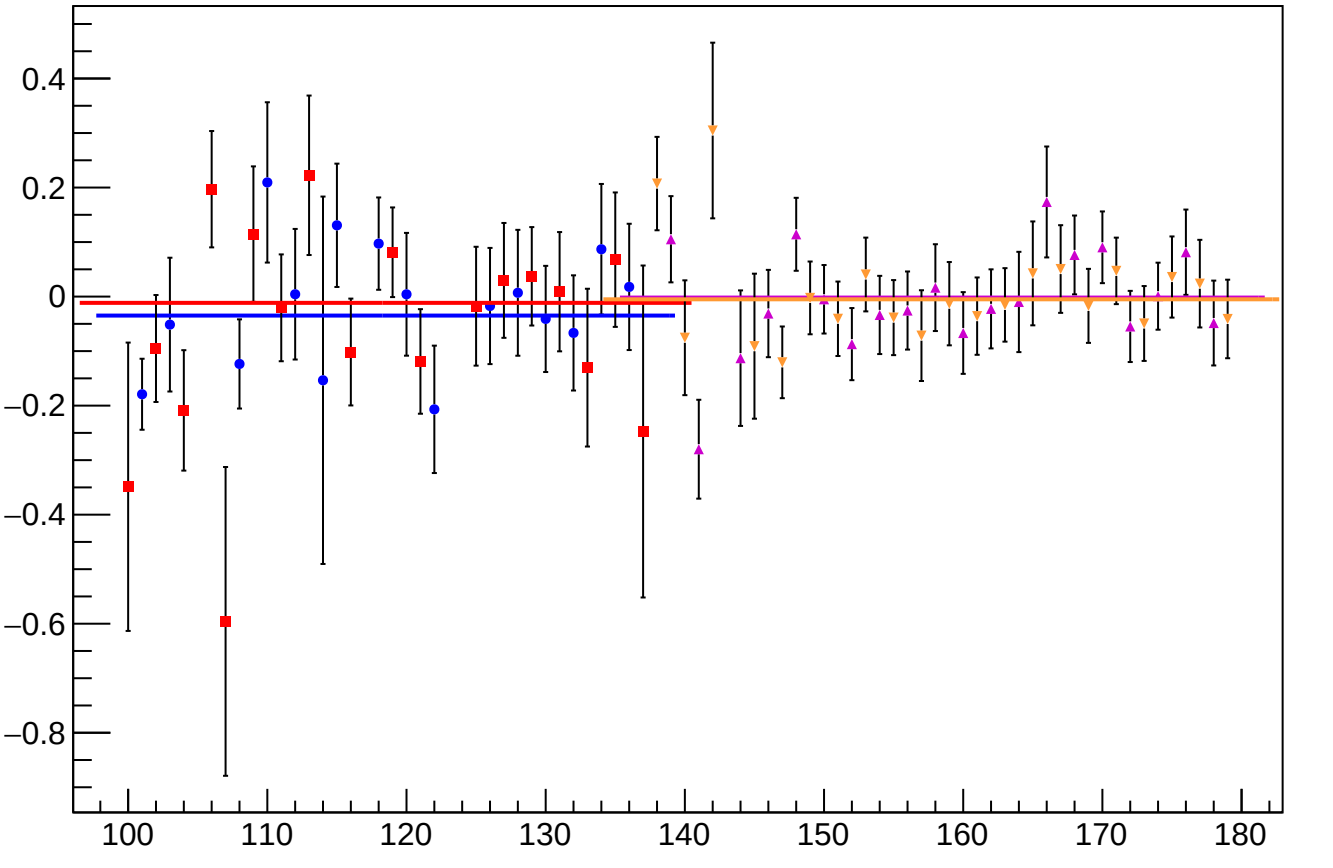
Right Out: 46.691+/-0.014 χ^2/NDF: 1195464.6/17

Left In: 42.597+/-0.008 χ^2/NDF:1207283.9/19

+ sign 43.424+/-0.007 χ^2/NDF: 2745707.3/36

All: 43.531+/-0.005 χ^2/NDF: 5215359.7/74

- sign 43.640+/-0.007 χ^2/NDF: 2469158.9/37



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

Left Out: -0.005+/-0.017 χ^2/NDF:18.2/20

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

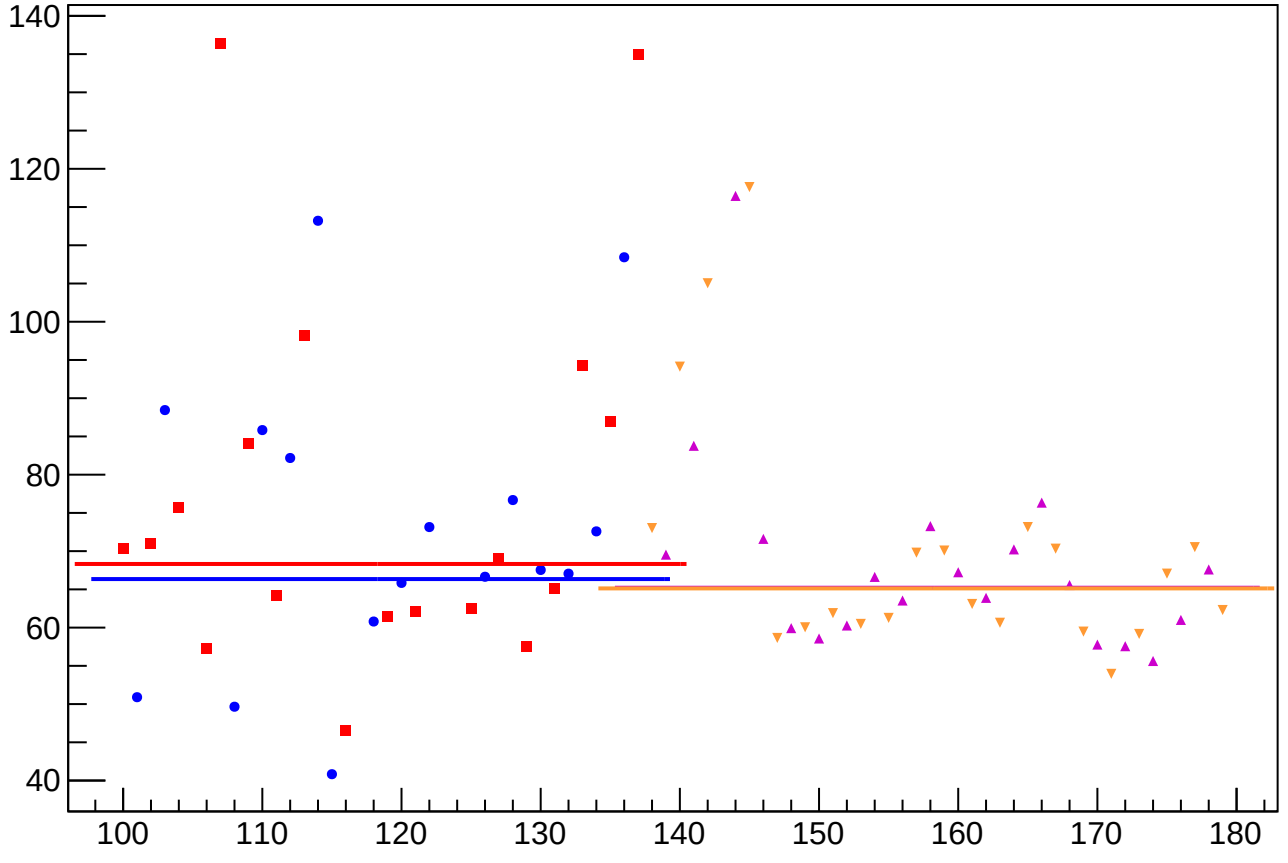
Left In: -0.002+/-0.017 χ^2/NDF:26.3/19

+ sign -0.013+/-0.014 χ^2/NDF: 36.6/36

All: -0.009+/-0.010 χ^2/NDF: 85.9/74

- sign -0.004+/-0.014 χ^2/NDF: 49.2/37

asym_usl_dit_vs_overload_cor_diff_rms vs Slug



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

Left Out: 65.126+/-0.012 χ^2/NDF:811345.0/20

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

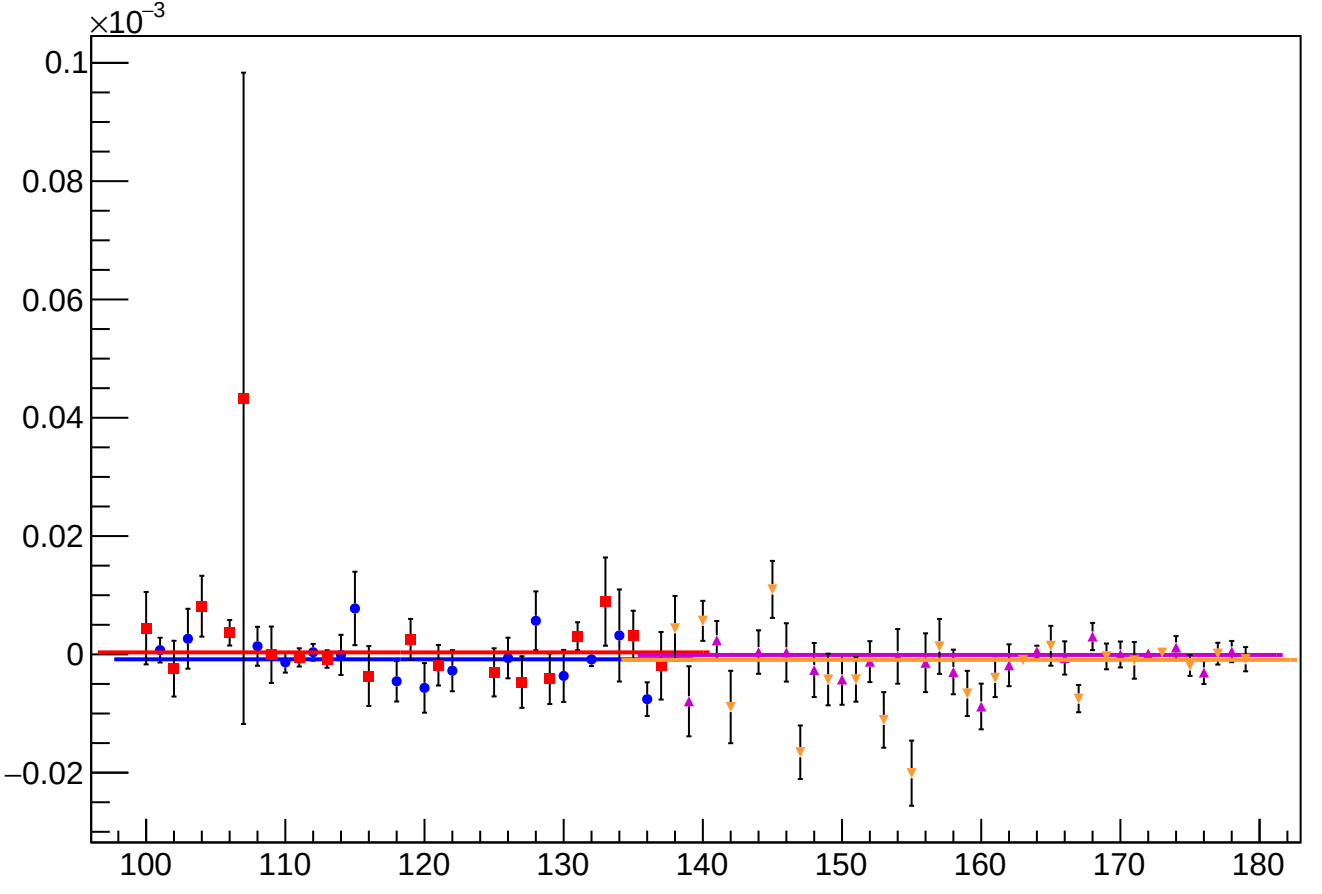
Left In: 65.215+/-0.012 χ^2/NDF:652054.8/19

+ sign 65.474+/-0.010 χ^2/NDF: 1587095.8/36

All: 65.772+/-0.007 χ^2/NDF: 2889927.2/74

- sign 66.079+/-0.010 χ^2/NDF: 1300989.5/37

asym_usl_eigen_dit_vs_dit_diff_mean vs Slug



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

Left Out: -0.000+/-0.000 χ^2/NDF:58.4/20

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

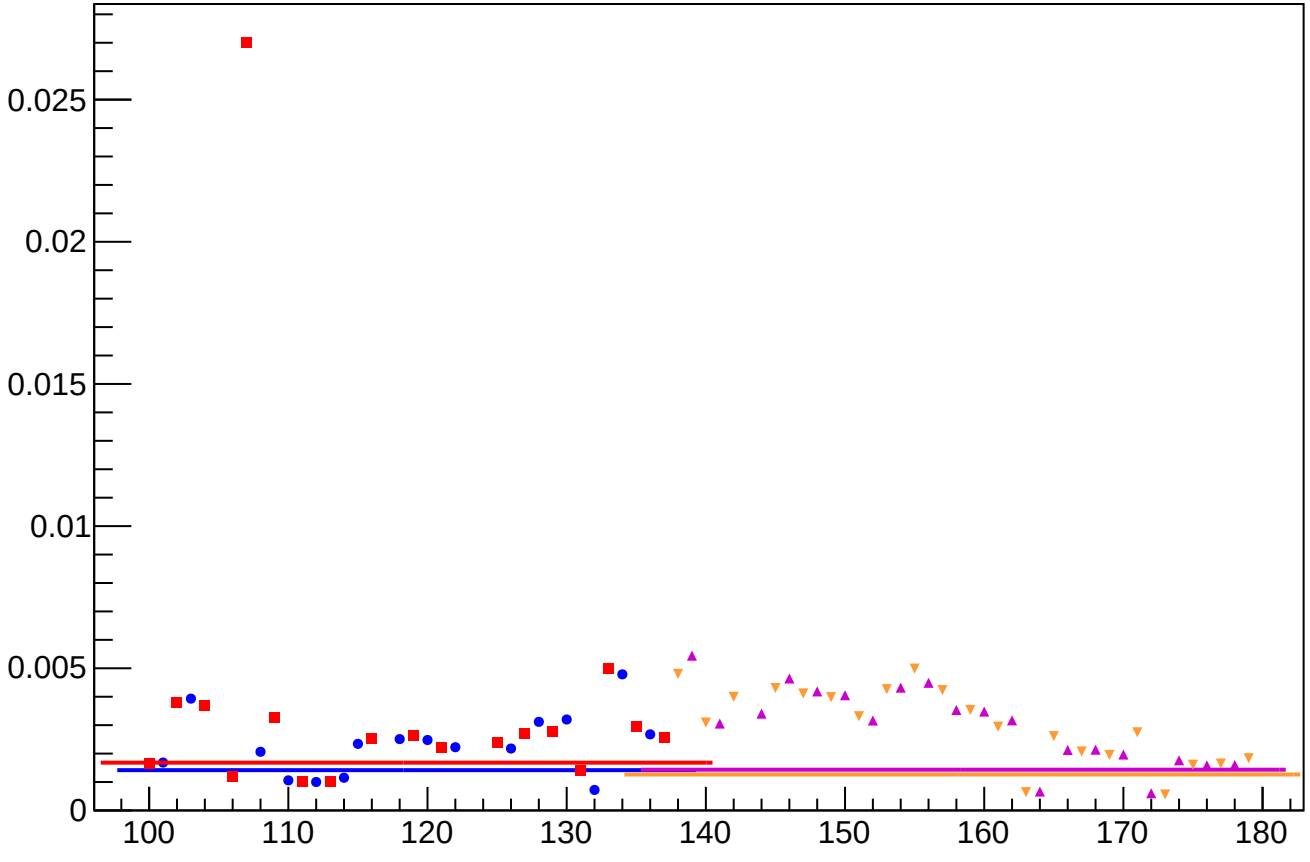
Left In: -0.000+/-0.000 χ^2/NDF:14.9/19

+ sign -0.000+/-0.000 χ^2/NDF: 73.5/36

All: -0.000+/-0.000 χ^2/NDF: 106.7/74

- sign 0.000+/-0.000 χ^2/NDF: 30.0/37

asym_usl_eigen_dit_vs_dit_diff_rms vs Slug



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

Left Out: 0.001+/-0.000 χ^2/NDF:13525857.1/20

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

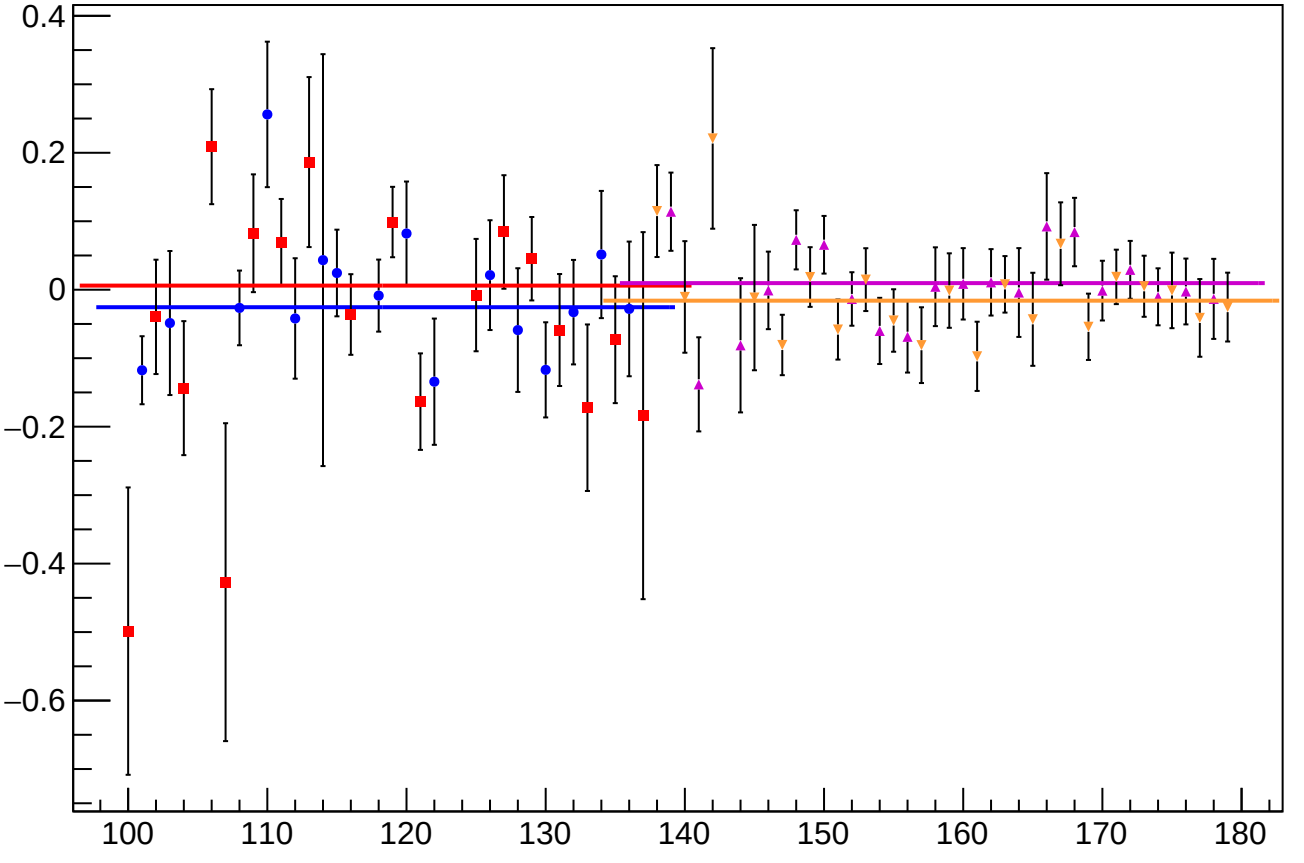
Left In: 0.001+/-0.000 χ^2/NDF:11993773.1/19

+ sign 0.001+/-0.000 χ^2/NDF: 17157745.1/36

All: 0.001+/-0.000 χ^2/NDF: 33024132.2/74

- sign 0.002+/-0.000 χ^2/NDF: 15588297.9/37

asym_usl_eigen_dit_vs_cor_diff_mean vs Slug



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

Left Out: -0.016+/-0.011 χ^2/NDF:19.9/20

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

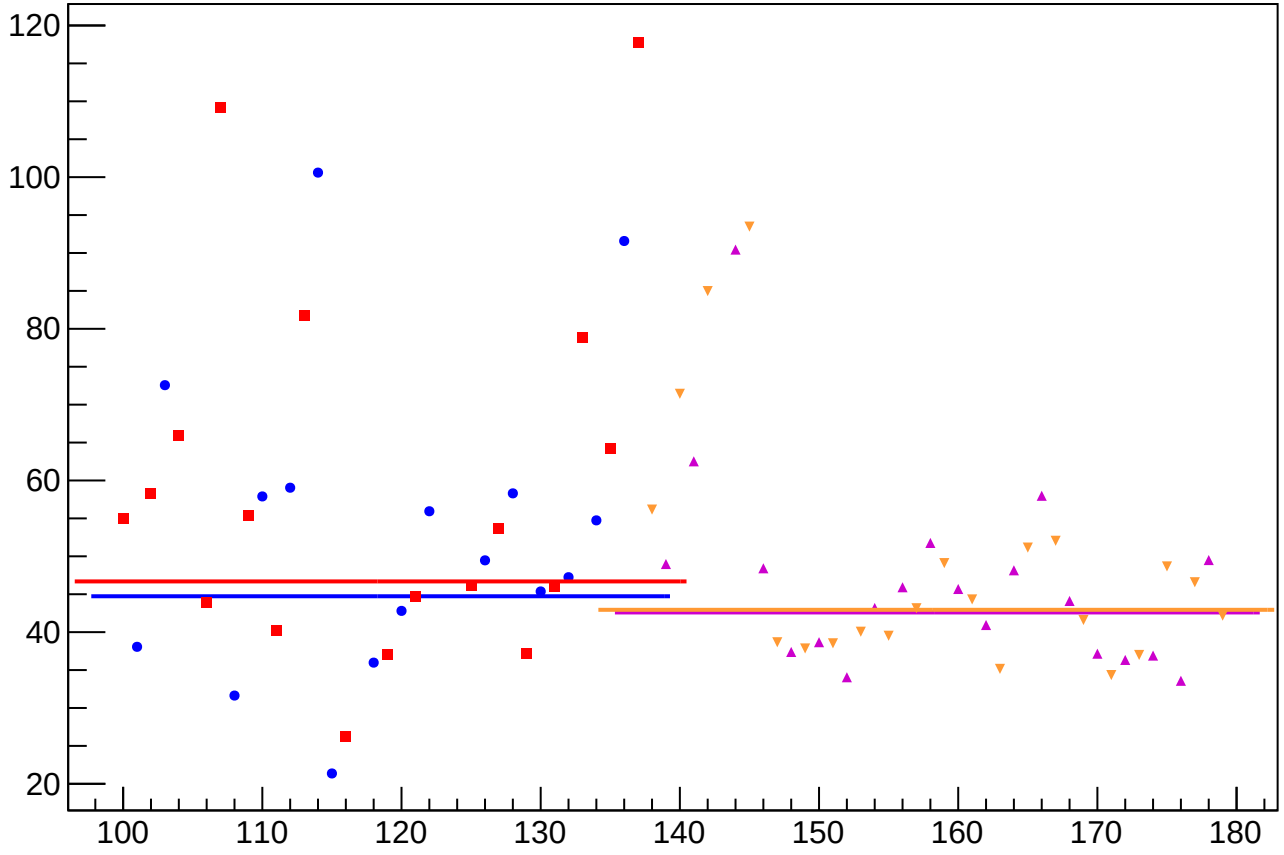
Left In: 0.010+/-0.011 χ^2/NDF:21.6/19

+ sign -0.019+/-0.010 χ^2/NDF: 37.7/36

All: -0.005+/-0.007 χ^2/NDF: 99.8/74

- sign 0.009+/-0.010 χ^2/NDF: 58.2/37

asym_usl_eigen_dit_vs_cor_diff_rms vs Slug



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

Left Out: 42.945+/-0.008 χ^2/NDF:1397839.5/20

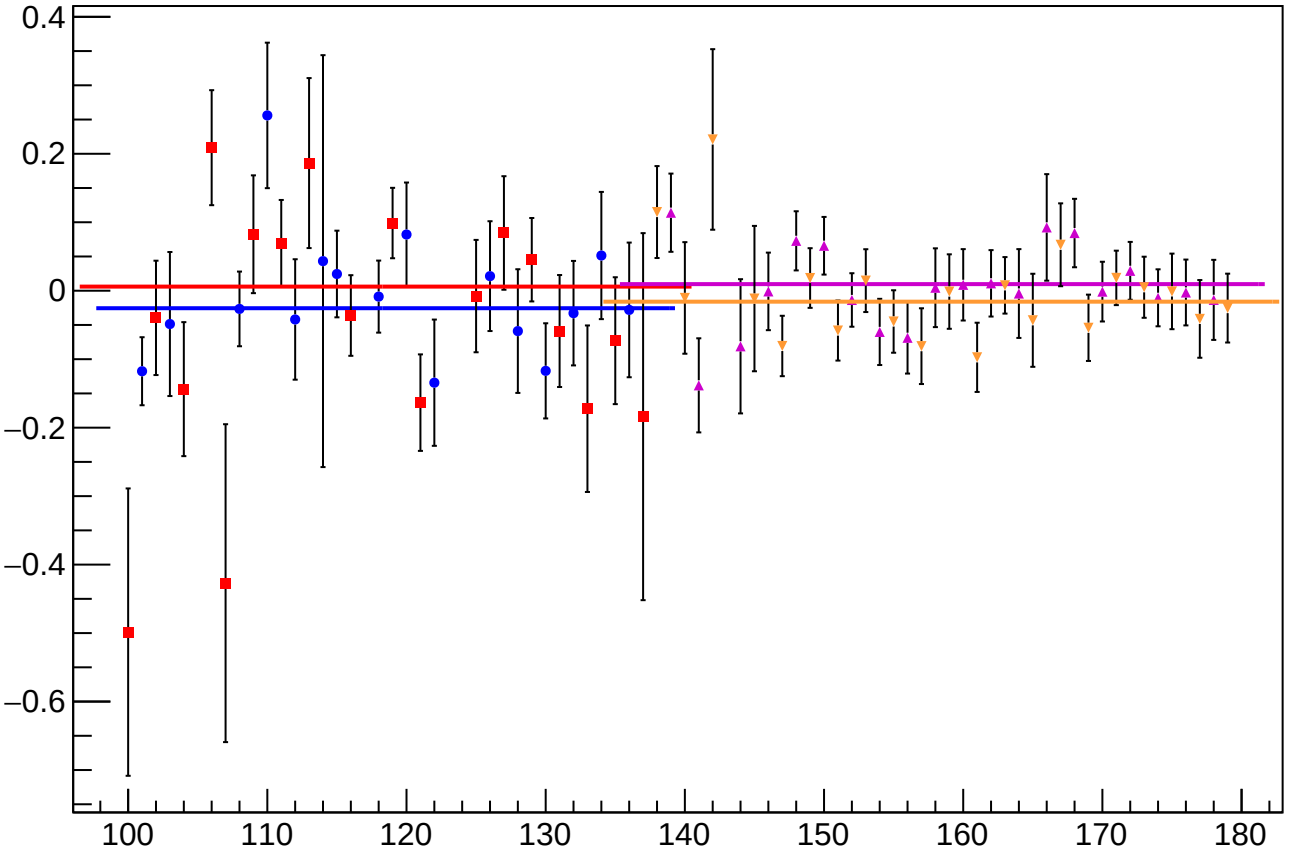
Right Out: 46.690+/-0.014 χ^2/NDF: 1195504.1/17

Left In: 42.597+/-0.008 χ^2/NDF:1207229.3/19

+ sign 43.424+/-0.007 χ^2/NDF: 2745721.6/36

All: 43.531+/-0.005 χ^2/NDF: 5215319.9/74

- sign 43.640+/-0.007 χ^2/NDF: 2469104.0/37



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

Left Out: -0.016+/-0.011 χ^2/NDF:19.9/20

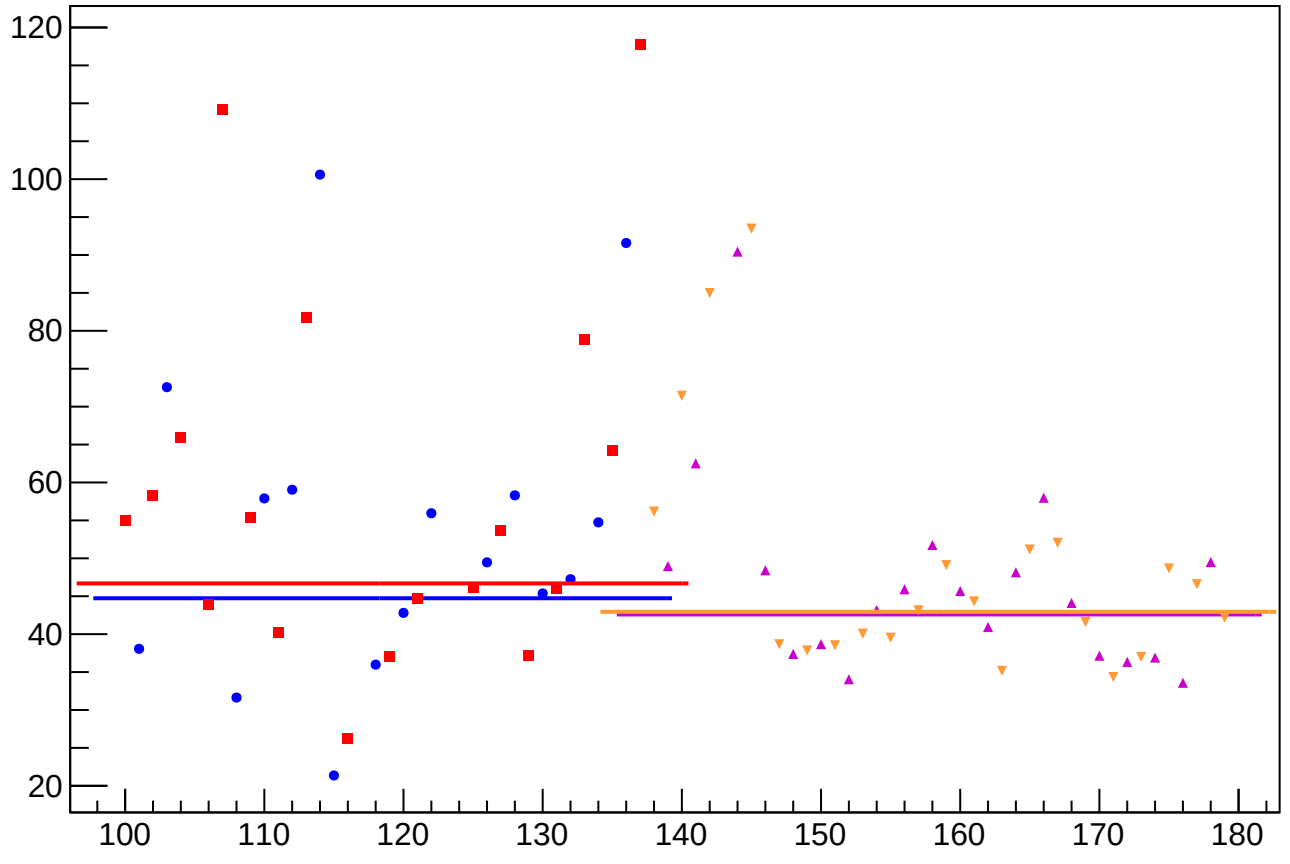
Right Out: 0.006+/-0.019 χ^2/NDF: 36.5/17

Left In: 0.010+/-0.011 χ^2/NDF:21.6/19

+ sign -0.019+/-0.010 χ^2/NDF: 37.7/36

All: -0.005+/-0.007 χ^2/NDF: 99.8/74

- sign 0.009+/-0.010 χ^2/NDF: 58.2/37



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

Left Out: 42.945+/-0.008 χ^2/NDF:1397839.5/20

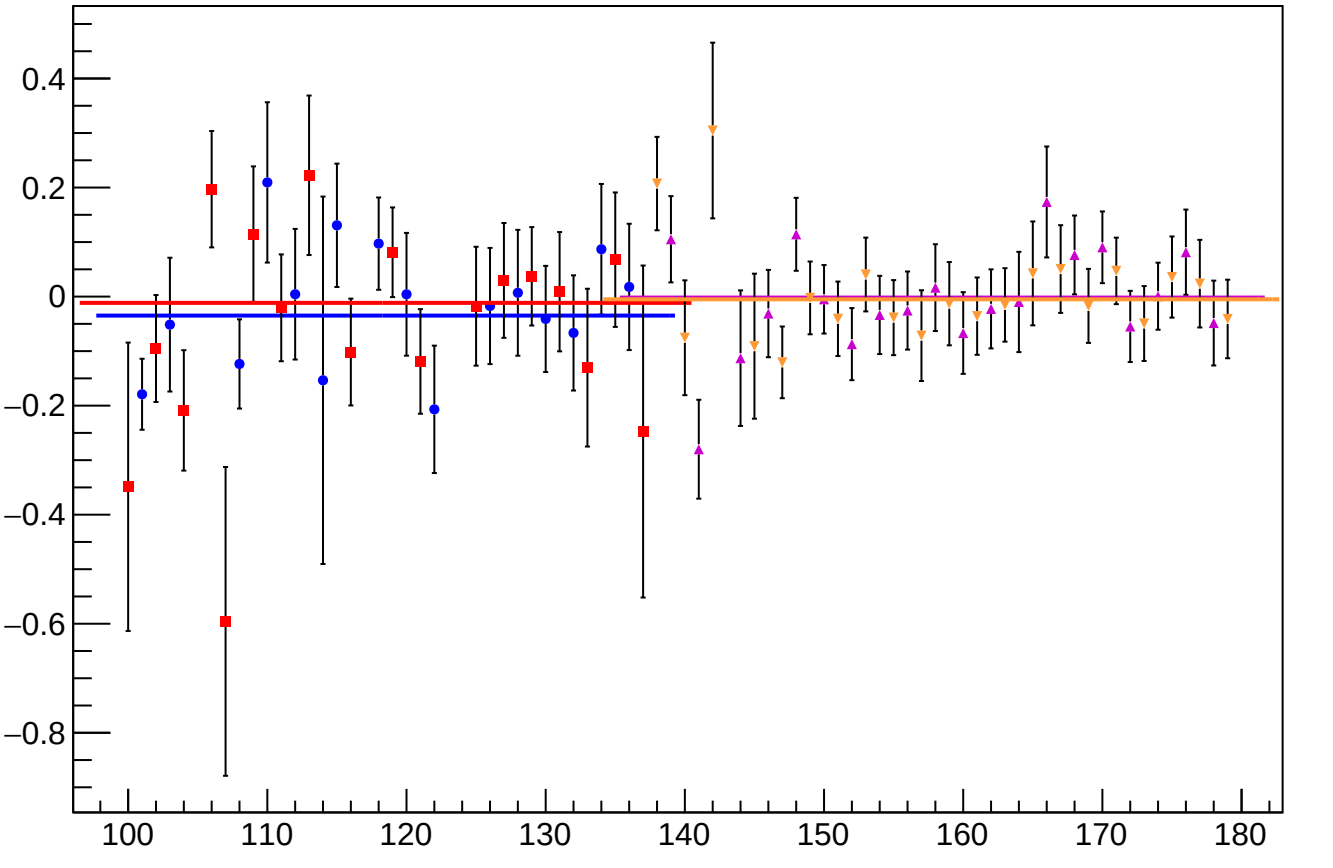
Right Out: 46.690+/-0.014 χ^2/NDF: 1195504.1/17

Left In: 42.597+/-0.008 χ^2/NDF:1207229.3/19

+ sign 43.424+/-0.007 χ^2/NDF: 2745721.6/36

All: 43.531+/-0.005 χ^2/NDF: 5215319.9/74

- sign 43.640+/-0.007 χ^2/NDF: 2469104.0/37



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

Left Out: -0.005+/-0.017 χ^2/NDF:18.2/20

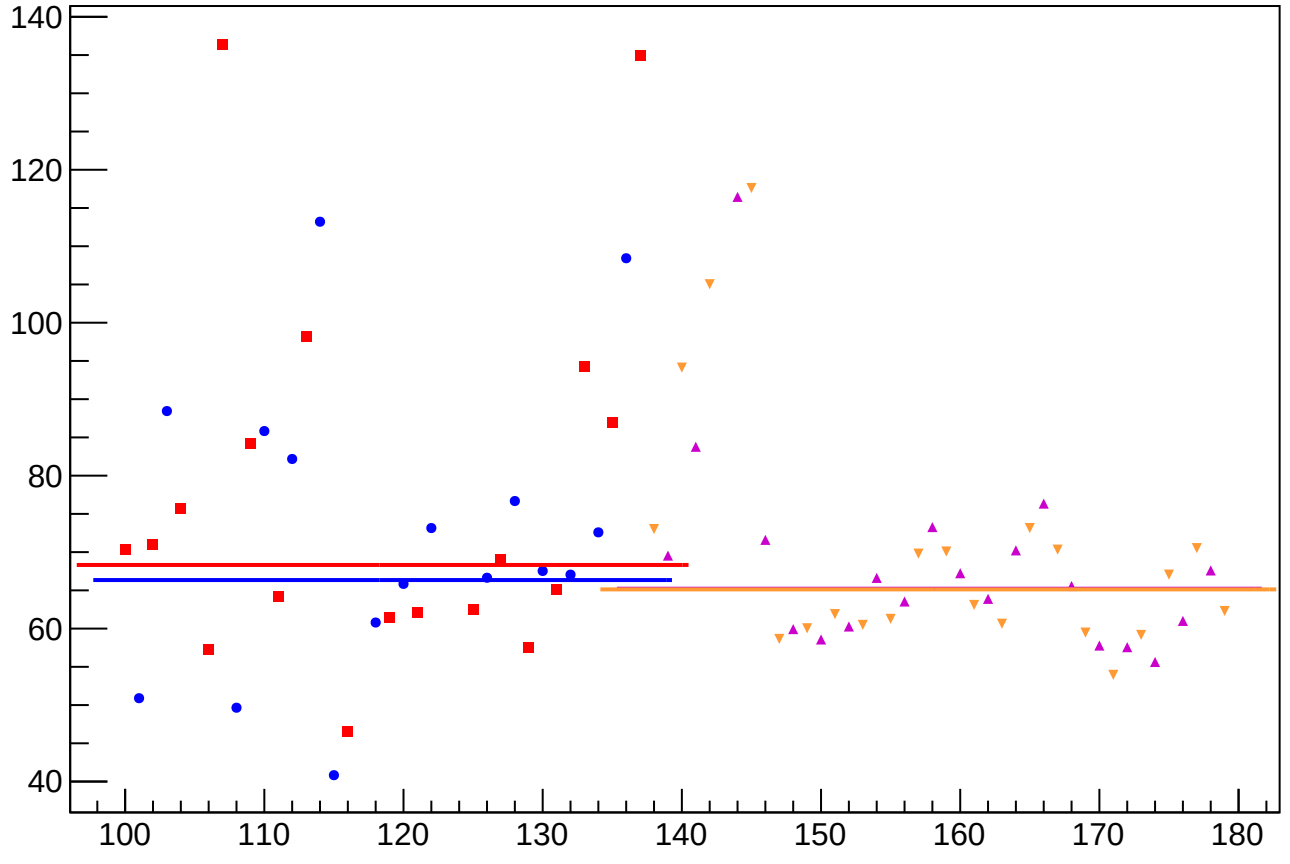
Right Out: -0.012+/-0.027 χ^2/NDF: 22.8/17

Left In: -0.002+/-0.017 χ^2/NDF:26.3/19

+ sign -0.013+/-0.014 χ^2/NDF: 36.6/36

All: -0.009+/-0.010 χ^2/NDF: 85.9/74

- sign -0.004+/-0.014 χ^2/NDF: 49.2/37



Right In: 66.348+/-0.019 χ^2/NDF: 772660.4/15

Left Out: 65.126+/-0.012 χ^2/NDF:811333.2/20

Right Out: 68.321+/-0.019 χ^2/NDF: 629665.7/17

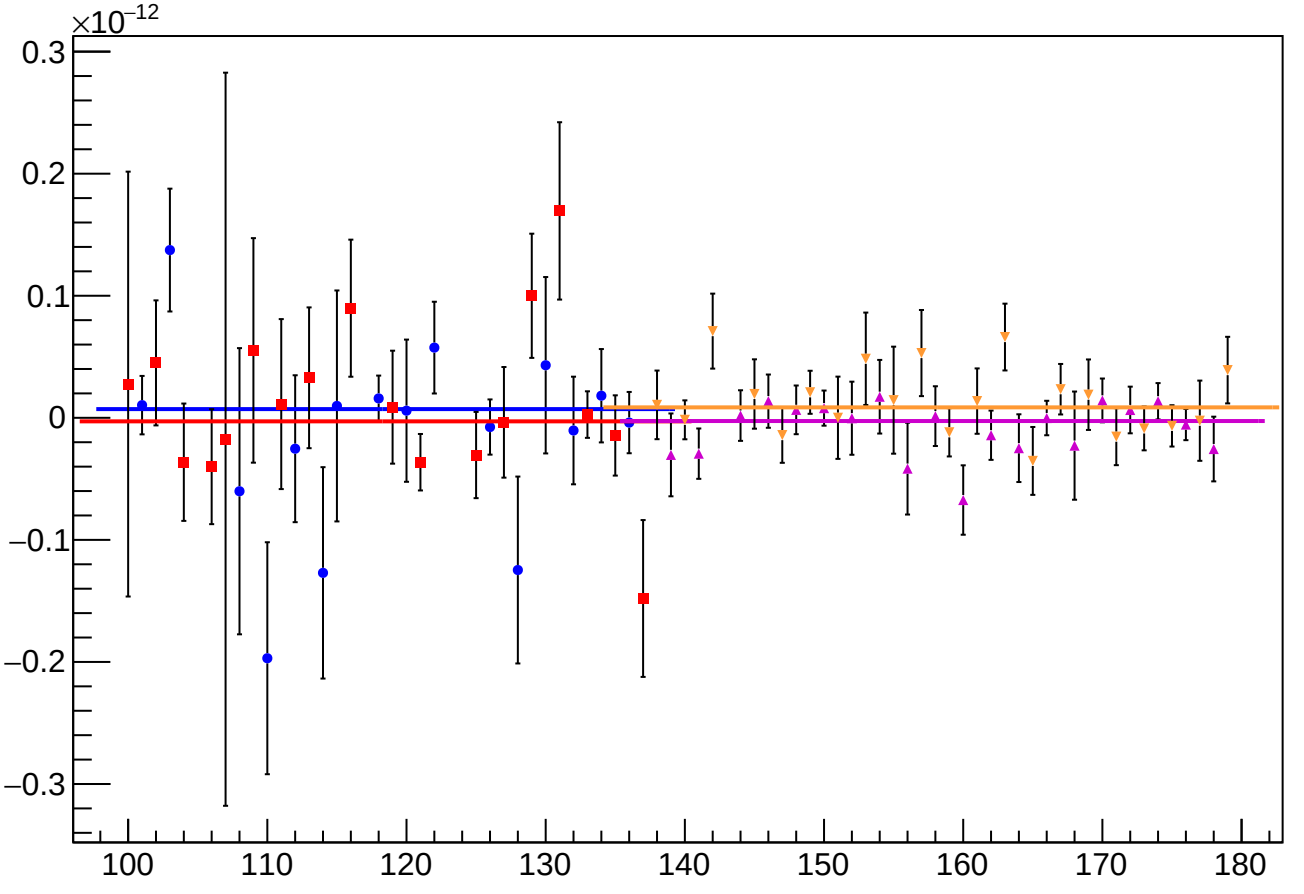
Left In: 65.215+/-0.012 χ^2/NDF:652044.6/19

+ sign 65.474+/-0.010 χ^2/NDF: 1587088.3/36

All: 65.772+/-0.007 χ^2/NDF: 2889894.9/74

- sign 66.079+/-0.010 χ^2/NDF: 1300964.7/37

asym_usl_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 20.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:21.8/20

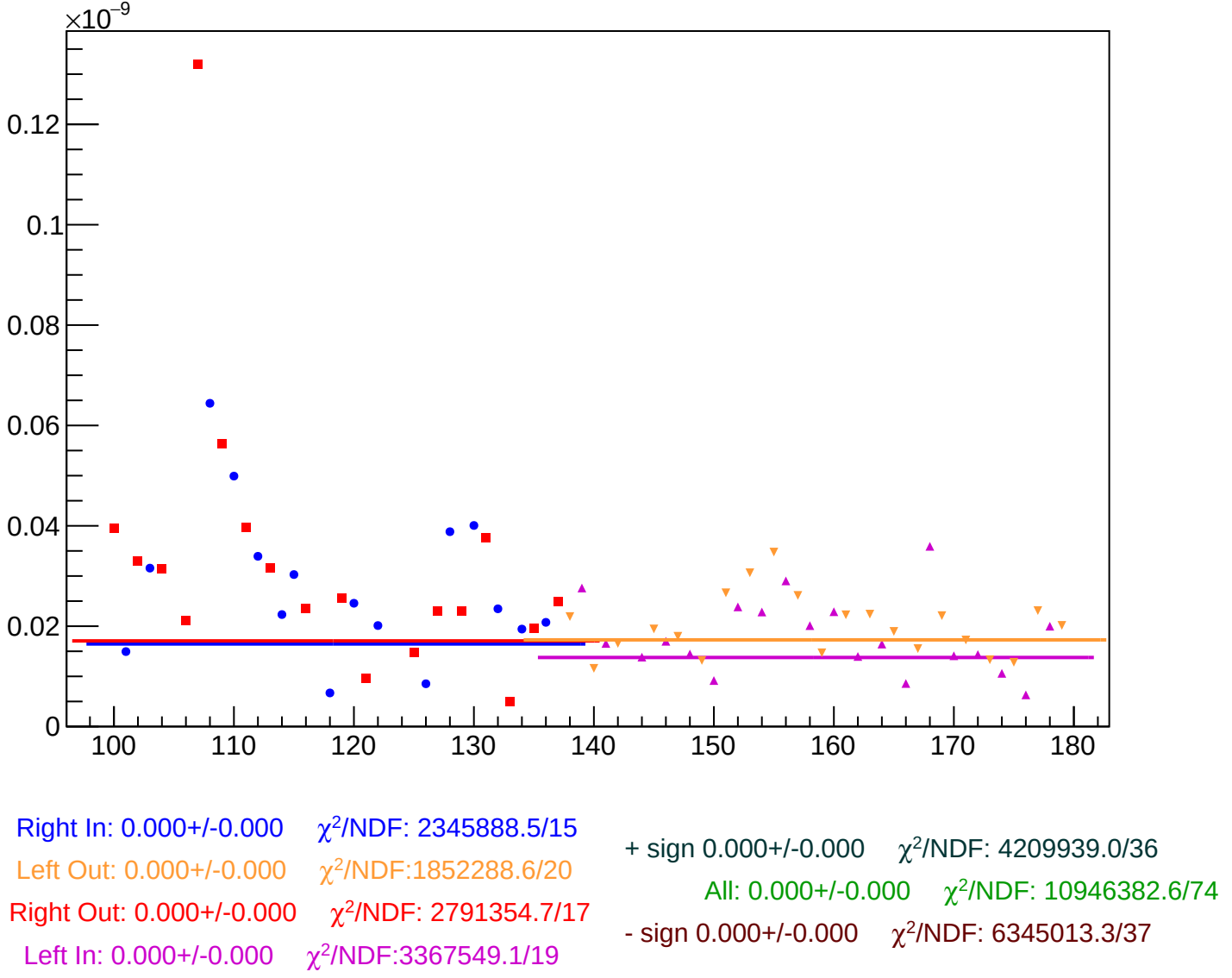
Right Out: -0.000+/-0.000 χ^2/NDF: 23.4/17

Left In: -0.000+/-0.000 χ^2/NDF:14.7/19

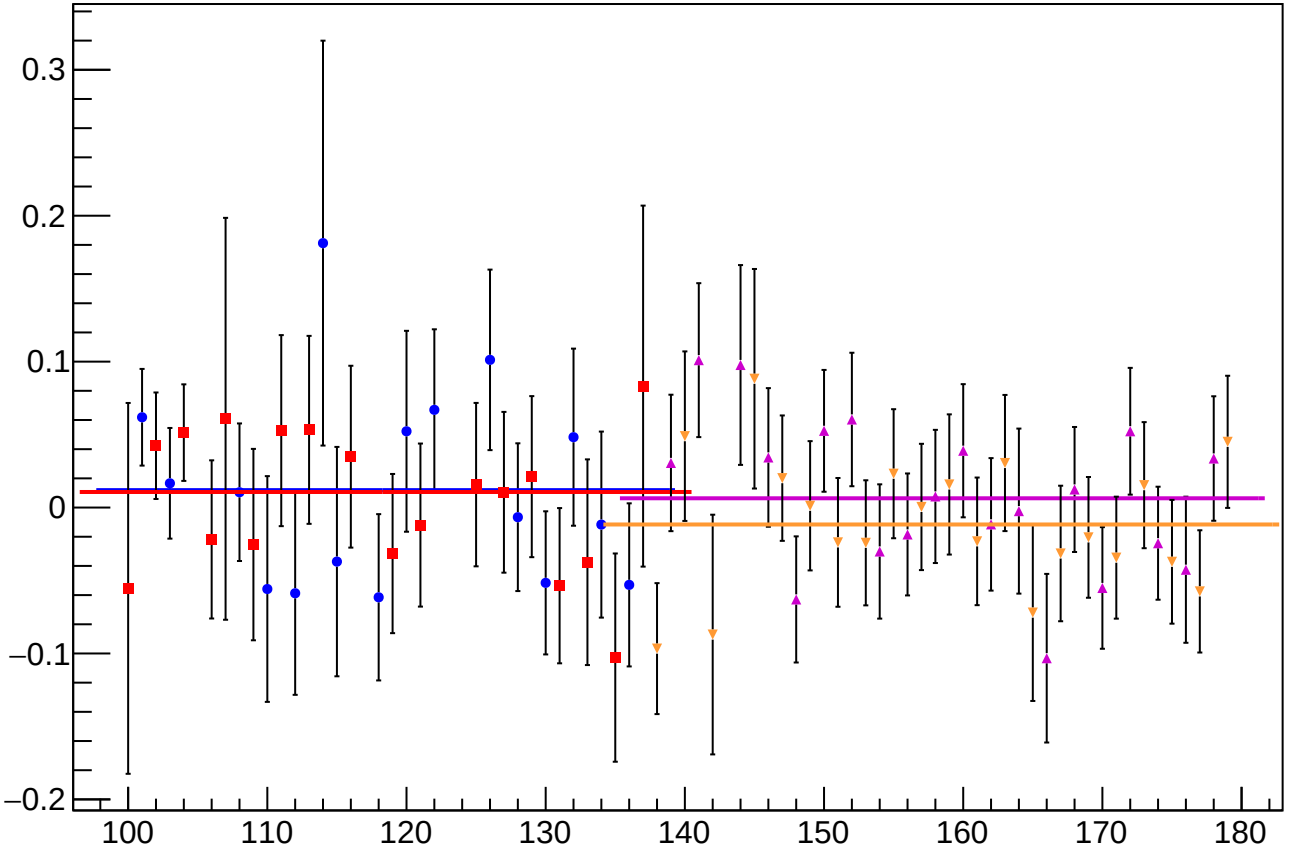
+ sign 0.000+/-0.000 χ^2/NDF: 42.2/36

All: 0.000+/-0.000 χ^2/NDF: 83.5/74

- sign -0.000+/-0.000 χ^2/NDF: 38.1/37


asym_usl_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2345888.5/15
Left Out: 0.000+/-0.000 χ²/NDF:1852288.6/20
Right Out: 0.000+/-0.000 χ²/NDF: 2791354.7/17
Left In: 0.000+/-0.000 χ²/NDF:3367549.1/19
+ sign 0.000+/-0.000 χ²/NDF: 4209939.0/36
All: 0.000+/-0.000 χ²/NDF: 10946382.6/74
- sign 0.000+/-0.000 χ²/NDF: 6345013.3/37

asym_usl_overload_cor_vs_cor_diff_mean vs Slug



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

Left Out: -0.012+/-0.010 χ^2/NDF:15.0/20

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

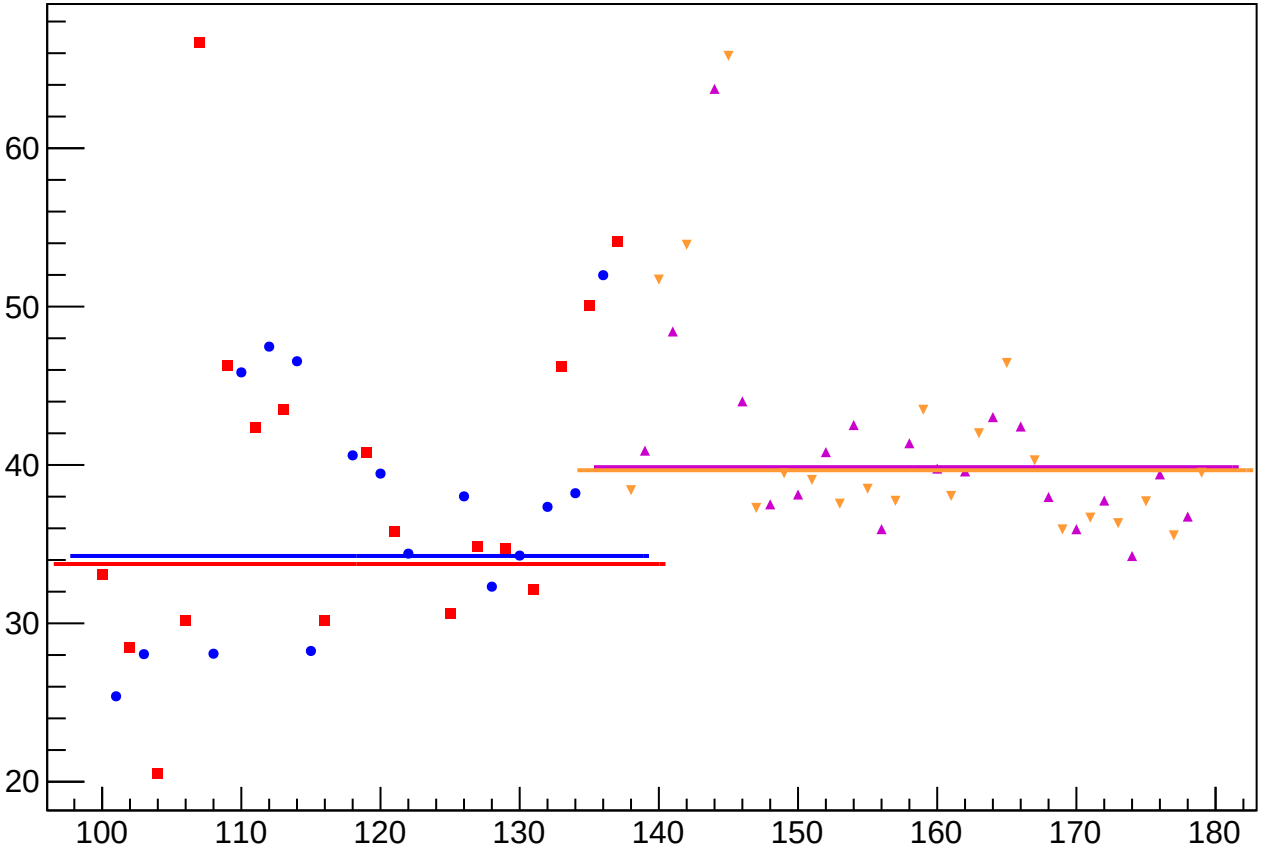
Left In: 0.006+/-0.010 χ^2/NDF:21.4/19

+ sign -0.003+/-0.008 χ^2/NDF: 31.6/36

All: 0.002+/-0.006 χ^2/NDF: 64.0/74

- sign 0.008+/-0.008 χ^2/NDF: 31.4/37

asym_usl_overload_cor_vs_cor_diff_rms vs Slug



Right In: 34.254+/-0.010 χ^2/NDF: 636017.1/15

Left Out: 39.668+/-0.007 χ^2/NDF:514169.9/20

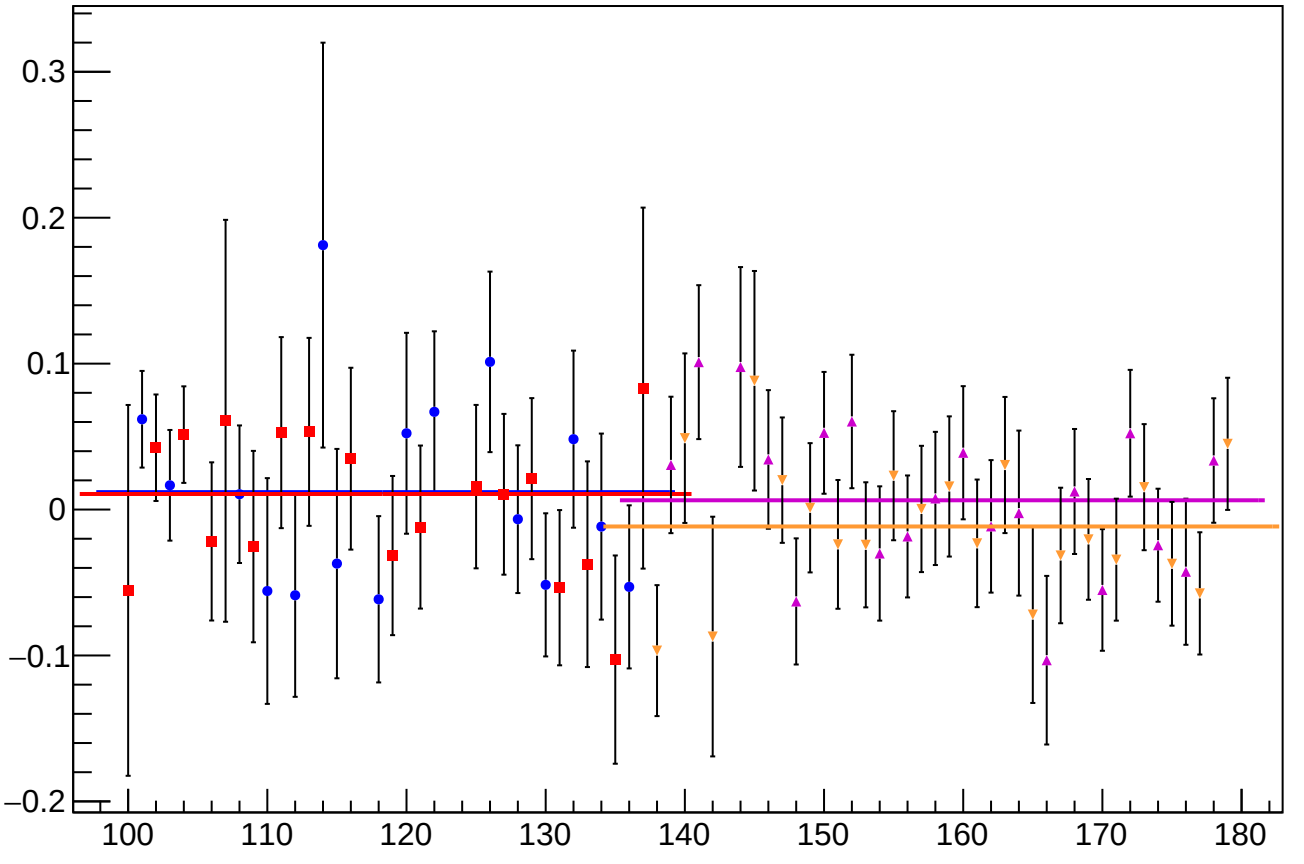
Right Out: 33.746+/-0.010 χ^2/NDF: 911938.6/17

Left In: 39.861+/-0.007 χ^2/NDF:438484.5/19

\+ sign 37.737+/-0.006 χ^2/NDF: 1353622.7/36

All: 37.668+/-0.004 χ^2/NDF: 2965114.7/74

\- sign 37.599+/-0.006 χ^2/NDF: 1611208.7/37



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

Left Out: -0.012+/-0.010 χ^2/NDF:15.0/20

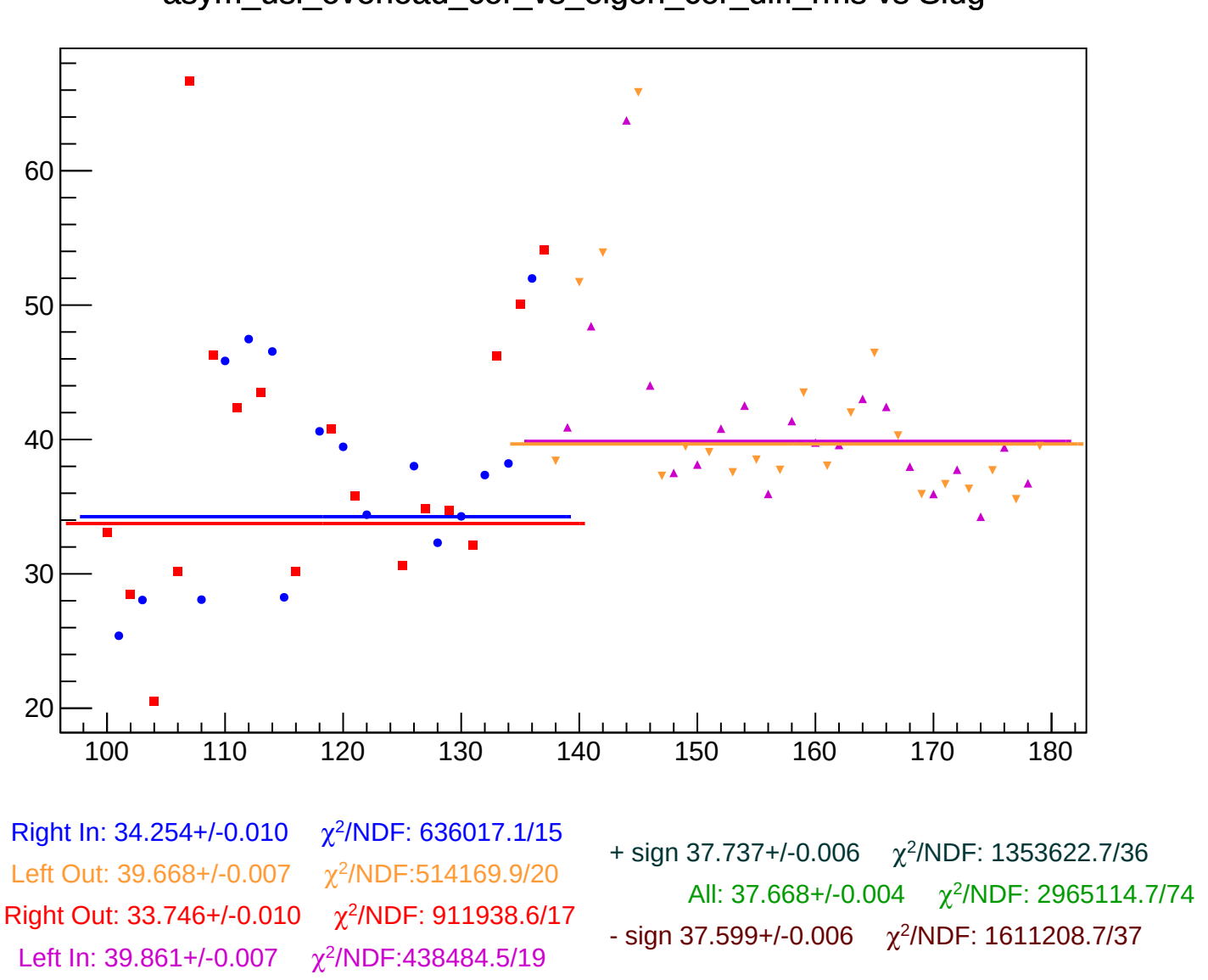
Right Out: 0.011+/-0.013 χ^2/NDF: 9.9/17

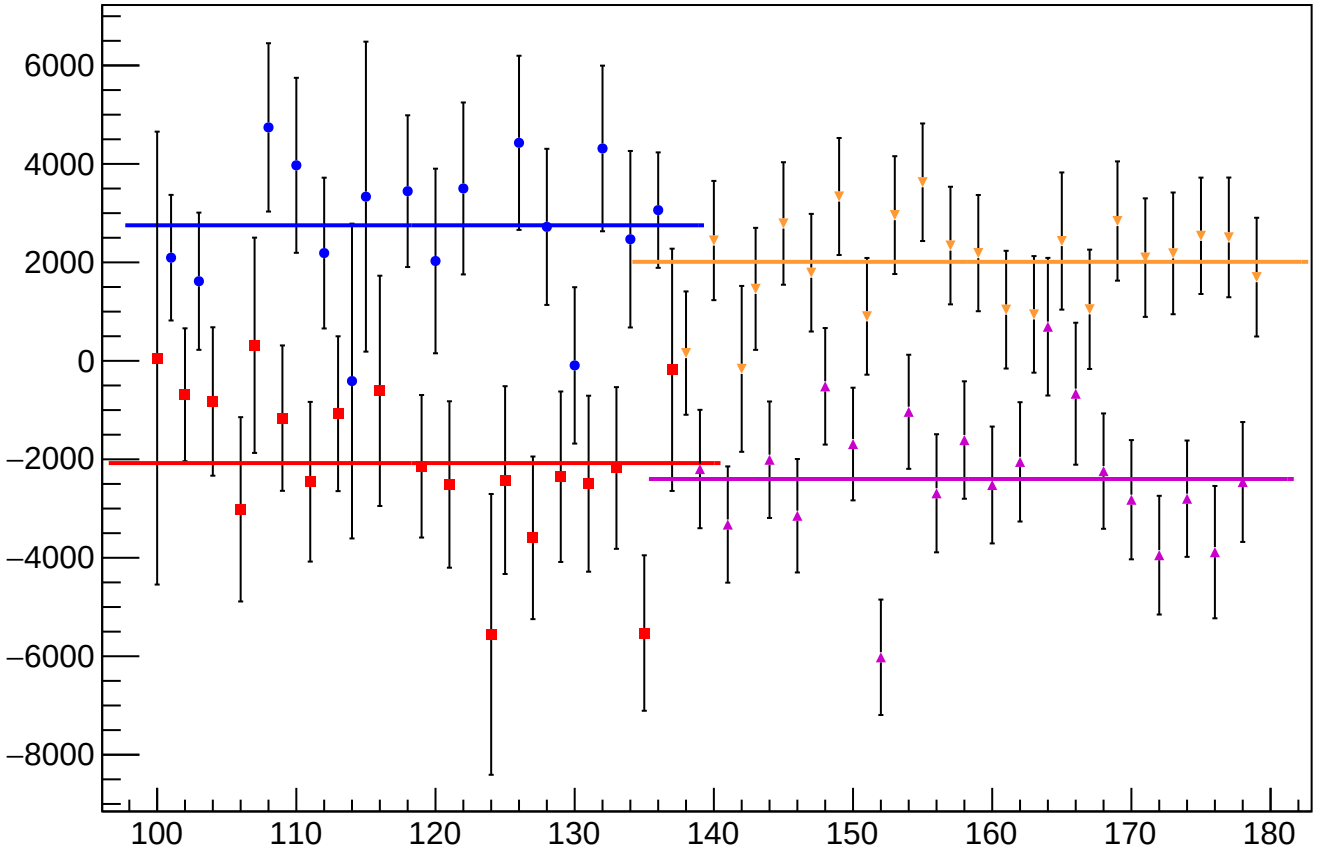
Left In: 0.006+/-0.010 χ^2/NDF:21.4/19

\+ sign -0.003+/-0.008 χ^2/NDF: 31.6/36

All: 0.002+/-0.006 χ^2/NDF: 64.0/74

\- sign 0.008+/-0.008 χ^2/NDF: 31.4/37


asym_usl_overload_cor_vs_eigen_cor_diff_rms vs Slug
60
50
40
30
20
100
110
120
130
140
150
160
170
180
Right In: 34.254+/-0.010 χ²/NDF: 636017.1/15
Left Out: 39.668+/-0.007 χ²/NDF:514169.9/20
Right Out: 33.746+/-0.010 χ²/NDF: 911938.6/17
Left In: 39.861+/-0.007 χ²/NDF:438484.5/19
+ sign 37.737+/-0.006 χ²/NDF: 1353622.7/36
All: 37.668+/-0.004 χ²/NDF: 2965114.7/74
- sign 37.599+/-0.006 χ²/NDF: 1611208.7/37



Right In: 2753.123+/-409.837 χ^2/NDF: 9.5/15

Left Out: 2011.368+/-261.509 χ^2/NDF:12.4/21

Right Out: -2076.471+/-403.796 χ^2/NDF: 12.5/18

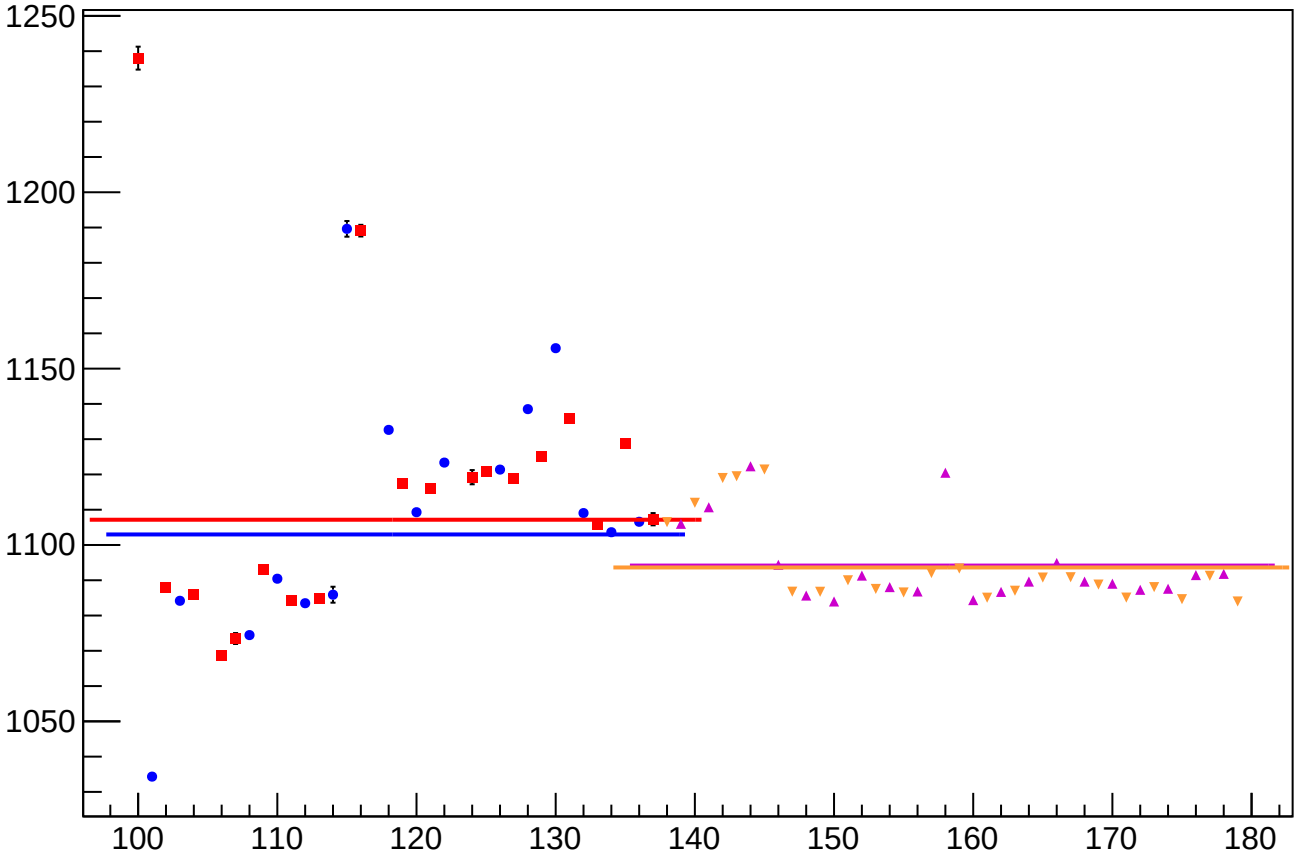
Left In: -2399.768+/-270.643 χ^2/NDF:25.1/19

+ sign 2225.989+/-220.453 χ^2/NDF: 24.2/37

All: 7.557+/-157.404 χ^2/NDF: 268.9/76

- sign -2299.553+/-224.816 χ^2/NDF: 38.1/38

reg_asym_usr_rms vs Slug



Right In: 1102.988+/-0.290 χ^2/NDF: 13223.8/15

Left Out: 1093.627+/-0.185 χ^2/NDF:3876.0/21

Right Out: 1107.159+/-0.286 χ^2/NDF: 8683.4/18

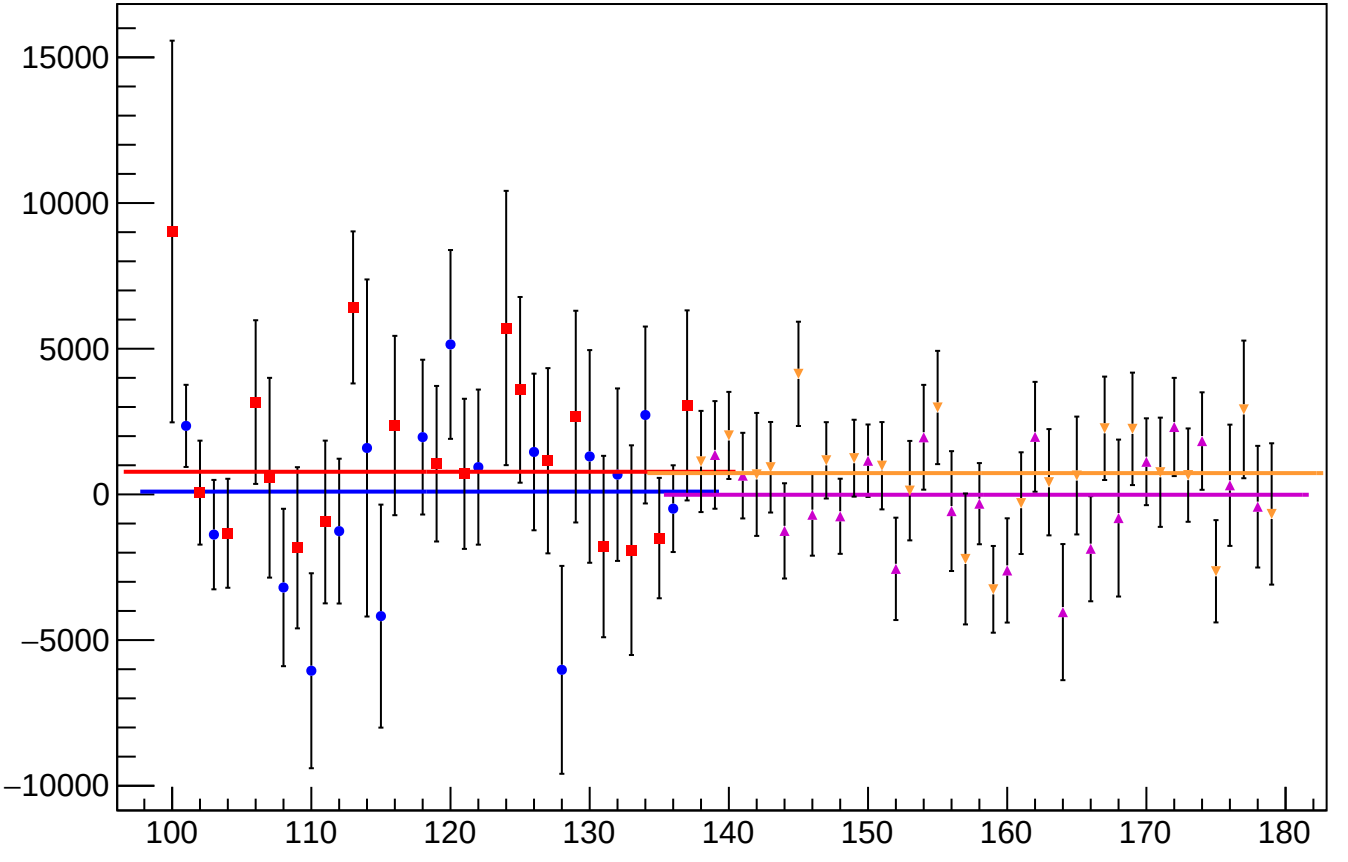
Left In: 1094.164+/-0.191 χ^2/NDF:3538.6/19

+ sign 1096.335+/-0.156 χ^2/NDF: 17841.3/37

All: 1097.246+/-0.111 χ^2/NDF: 31562.3/76

- sign 1098.192+/-0.159 χ^2/NDF: 13651.4/38

asym_usr_reg_correction_mean vs Slug



Right In: 95.955+/-618.095 χ^2/NDF: 16.9/15

Left Out: 731.080+/-367.673 χ^2/NDF:21.7/21

Right Out: 776.996+/-636.966 χ^2/NDF: 15.1/18

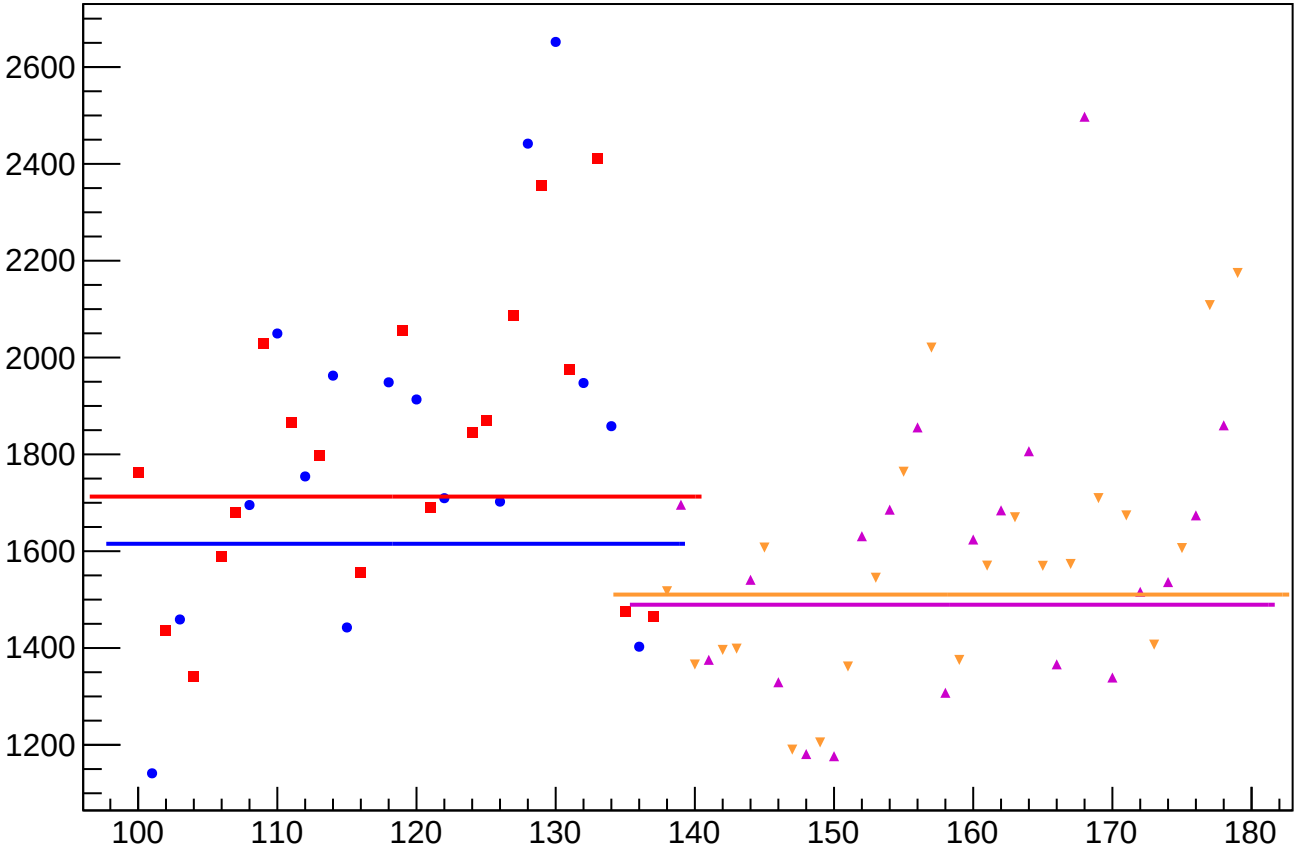
Left In: -12.189+/-374.982 χ^2/NDF:17.3/19

\+ sign 565.082+/-315.993 χ^2/NDF: 39.4/37

All: 382.189+/-225.927 χ^2/NDF: 73.6/76

\- sign 190.925+/-323.144 χ^2/NDF: 33.5/38

asym_usr_reg_correction_rms vs Slug



Right In: 1615.316+/-0.437 χ^2/NDF: 693630.0/15

Left Out: 1510.407+/-0.260 χ^2/NDF:792533.6/21

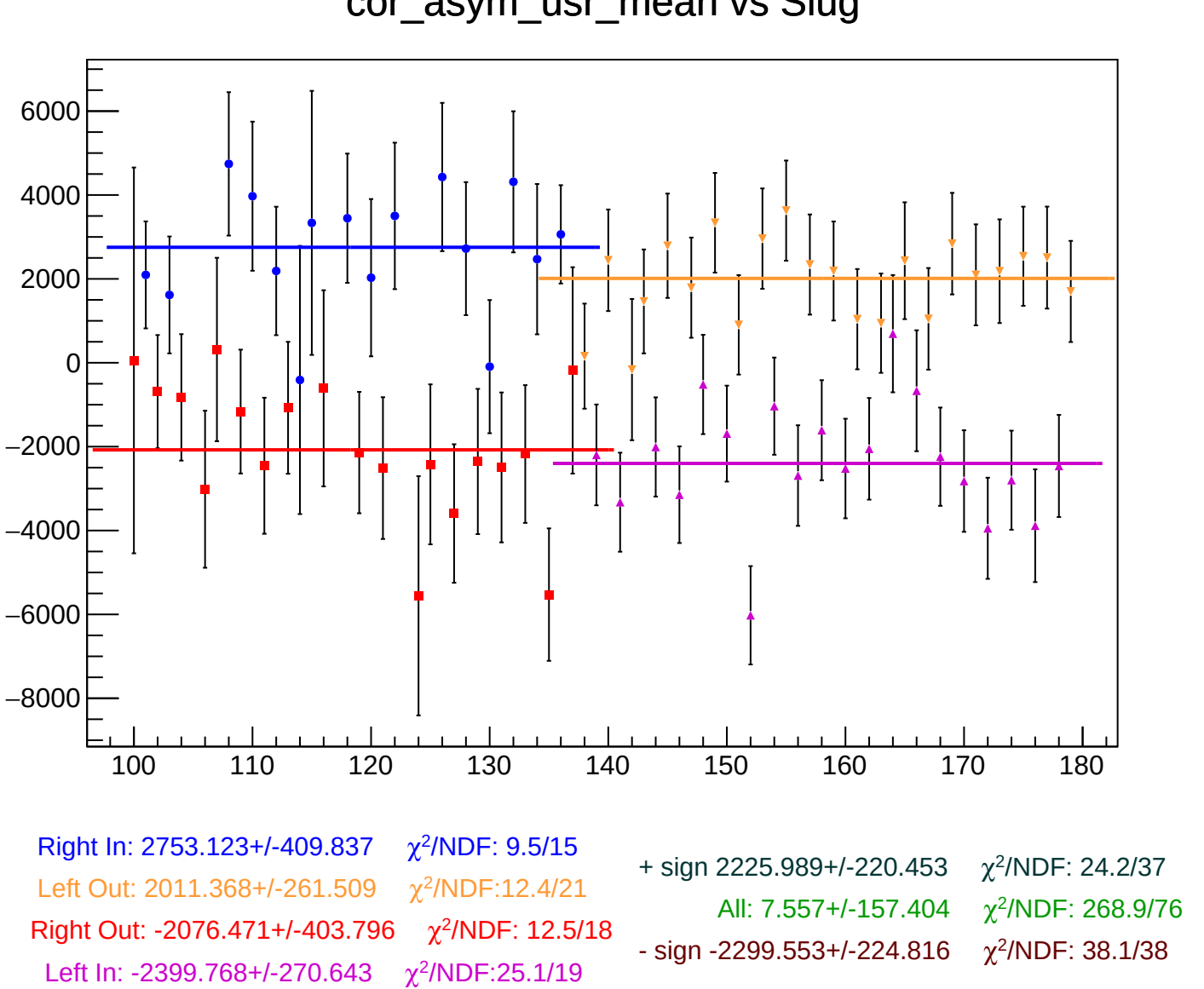
Right Out: 1712.798+/-0.450 χ^2/NDF: 428065.0/18

Left In: 1489.443+/-0.265 χ^2/NDF:900530.0/19

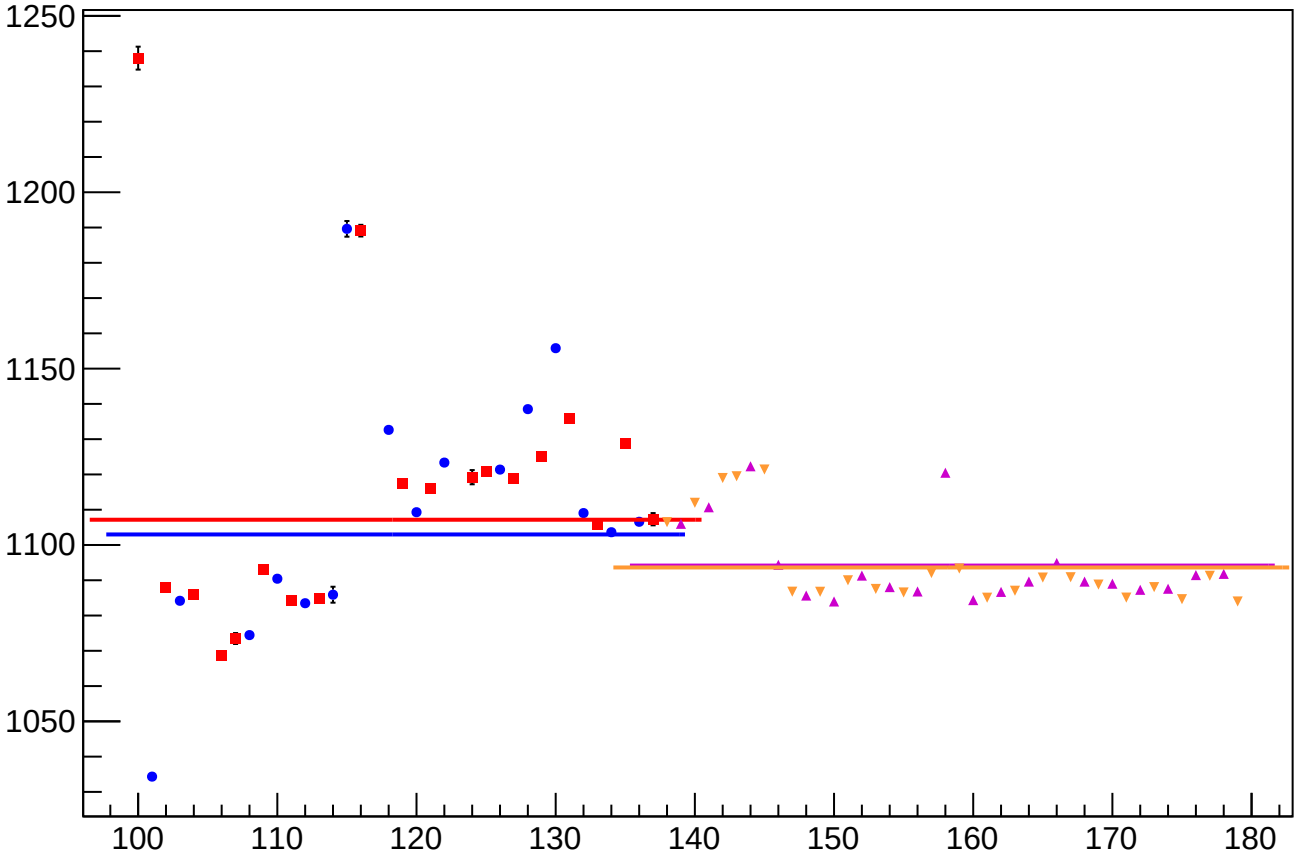
+ sign 1537.826+/-0.223 χ^2/NDF: 1528720.8/37

All: 1542.275+/-0.160 χ^2/NDF: 3040752.8/76

- sign 1546.928+/-0.228 χ^2/NDF: 1511221.0/38


cor_asym_usr_mean vs Slug
6000
4000
2000
0
−2000
−4000
−6000
−8000
100
110
120
130
140
150
160
170
180
Right In: 2753.123+/-409.837 χ²/NDF: 9.5/15
Left Out: 2011.368+/-261.509 χ²/NDF:12.4/21
Right Out: -2076.471+/-403.796 χ²/NDF: 12.5/18
Left In: -2399.768+/-270.643 χ²/NDF:25.1/19
+ sign 2225.989+/-220.453 χ²/NDF: 24.2/37
All: 7.557+/-157.404 χ²/NDF: 268.9/76
- sign -2299.553+/-224.816 χ²/NDF: 38.1/38

cor_asym_usr_rms vs Slug



Right In: 1102.988+/-0.290 χ^2/NDF: 13223.8/15

Left Out: 1093.627+/-0.185 χ^2/NDF:3876.0/21

Right Out: 1107.159+/-0.286 χ^2/NDF: 8683.4/18

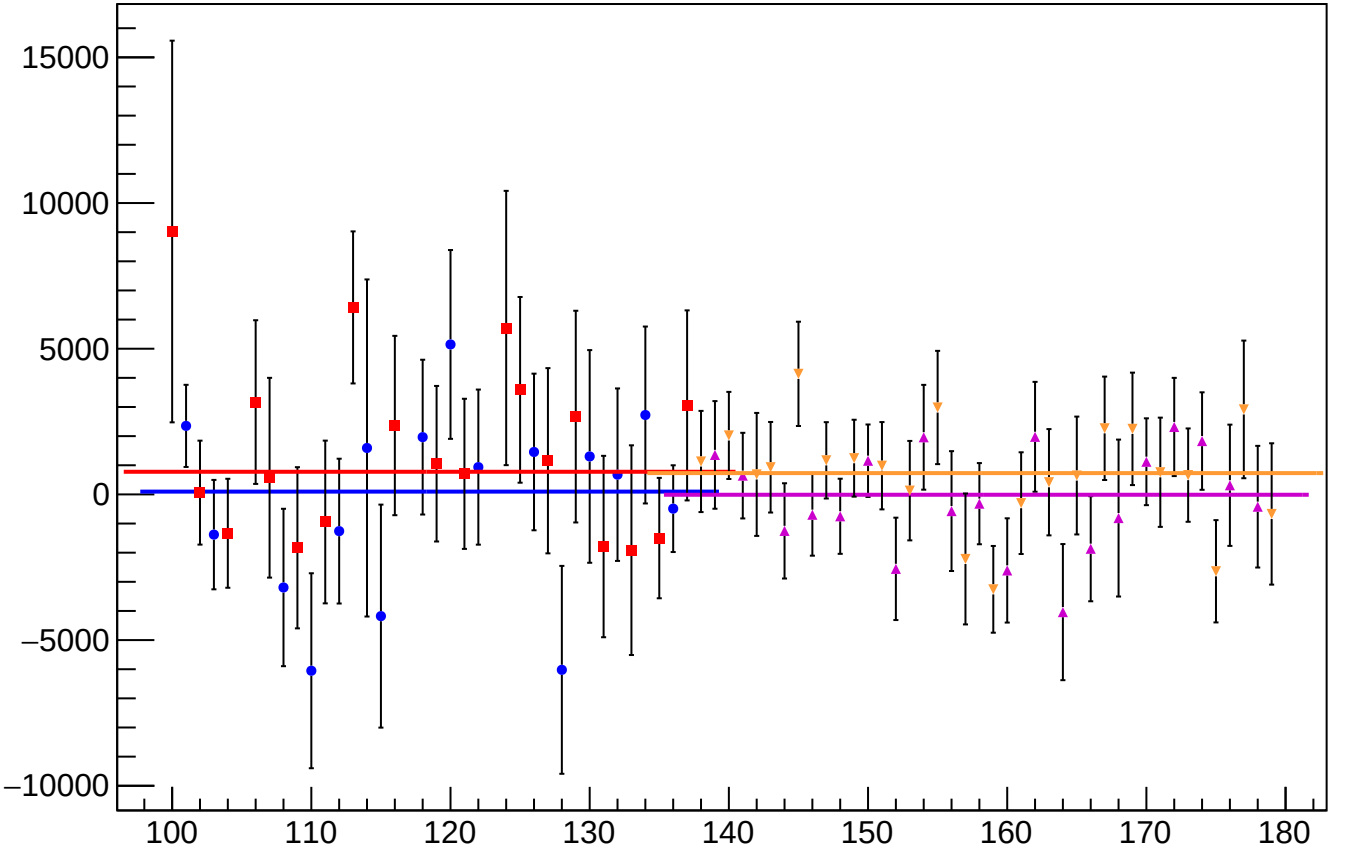
Left In: 1094.164+/-0.191 χ^2/NDF:3538.6/19

+ sign 1096.335+/-0.156 χ^2/NDF: 17841.3/37

All: 1097.246+/-0.111 χ^2/NDF: 31562.3/76

- sign 1098.192+/-0.159 χ^2/NDF: 13651.4/38

asym_usr_cor_correction_mean vs Slug



Right In: 95.955+/-618.095 χ^2/NDF: 16.9/15

Left Out: 731.080+/-367.673 χ^2/NDF:21.7/21

Right Out: 776.996+/-636.966 χ^2/NDF: 15.1/18

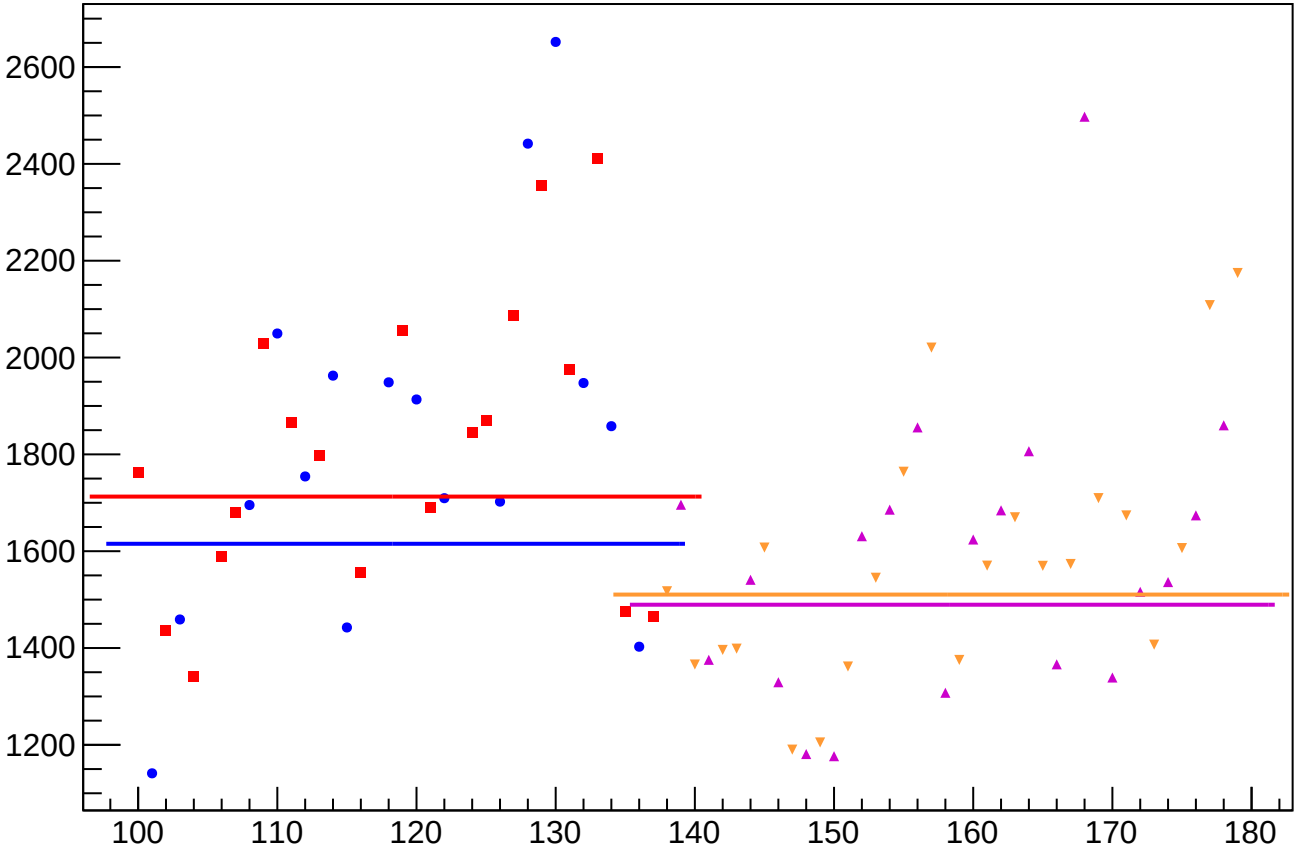
Left In: -12.189+/-374.982 χ^2/NDF:17.3/19

+ sign 565.082+/-315.993 χ^2/NDF: 39.4/37

All: 382.189+/-225.927 χ^2/NDF: 73.6/76

- sign 190.925+/-323.144 χ^2/NDF: 33.5/38

asym_usr_cor_correction_rms vs Slug



Right In: 1615.316+/-0.437 χ^2/NDF: 693630.0/15

Left Out: 1510.407+/-0.260 χ^2/NDF:792533.6/21

Right Out: 1712.798+/-0.450 χ^2/NDF: 428065.0/18

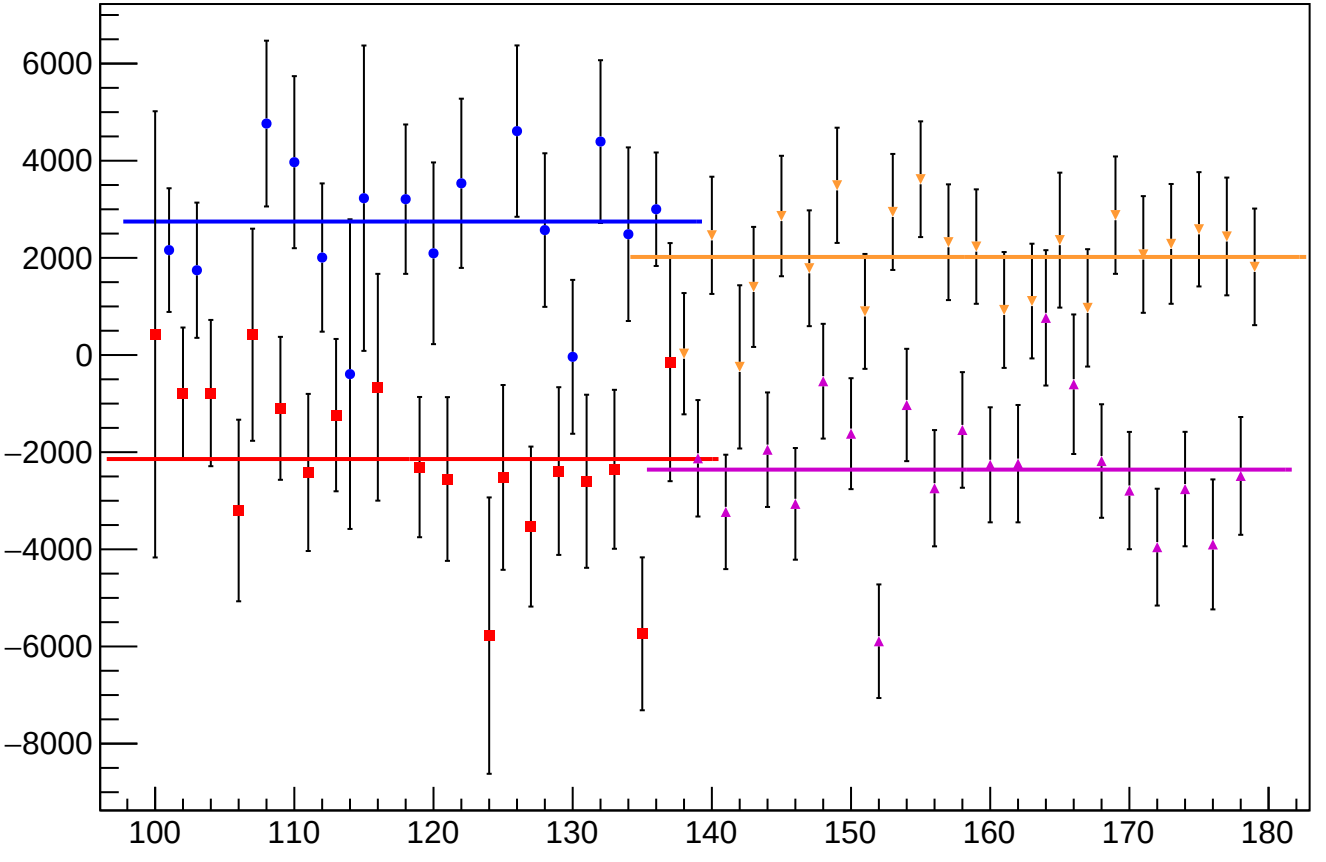
Left In: 1489.443+/-0.265 χ^2/NDF:900530.0/19

+ sign 1537.826+/-0.223 χ^2/NDF: 1528720.8/37

All: 1542.275+/-0.160 χ^2/NDF: 3040752.8/76

- sign 1546.928+/-0.228 χ^2/NDF: 1511221.0/38

overload_cor_asym_usr_mean vs Slug



Right In: 2747.939+/-408.759 χ^2/NDF: 9.5/15

Left Out: 2018.961+/-260.782 χ^2/NDF:13.4/21

Right Out: -2141.169+/-402.789 χ^2/NDF: 13.6/18

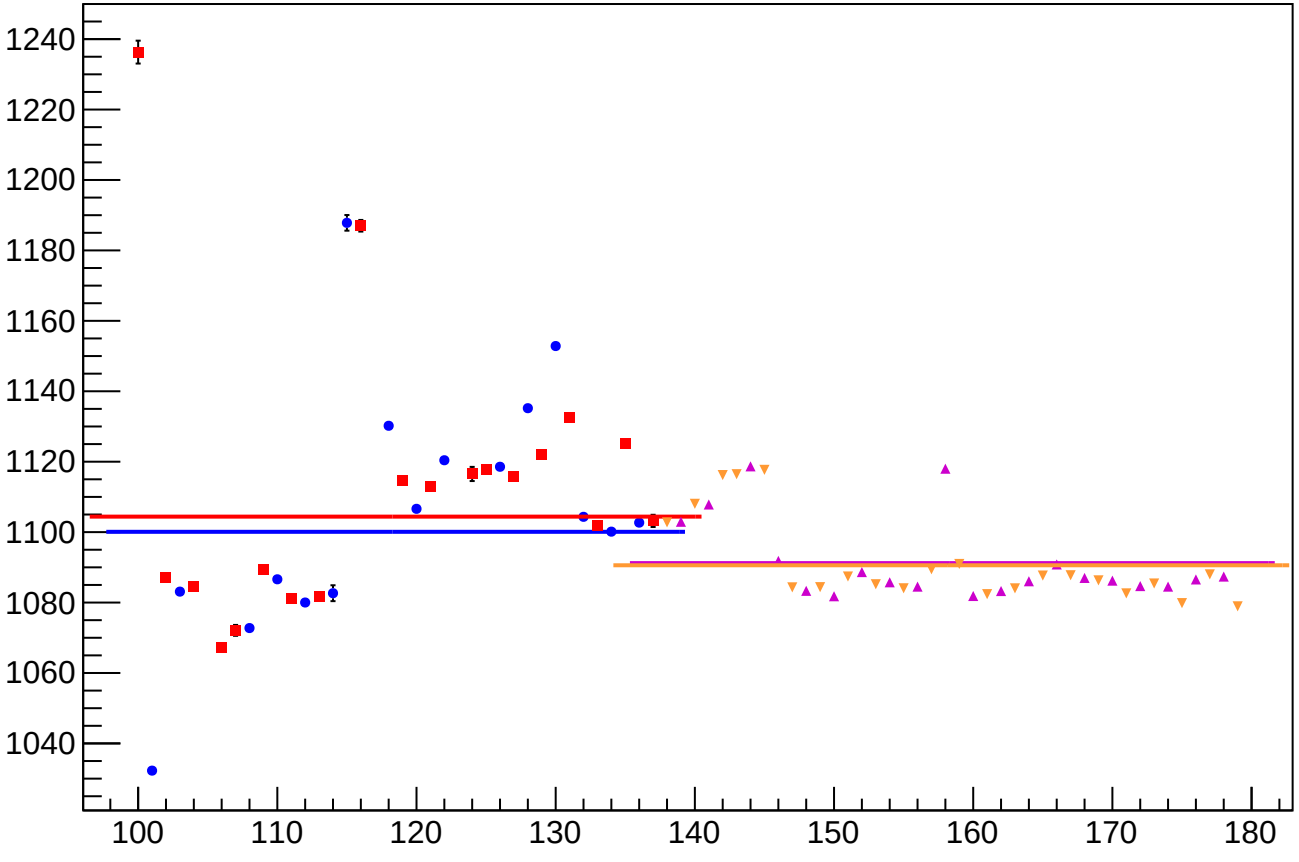
Left In: -2359.140+/-269.910 χ^2/NDF:24.8/19

+ sign 2229.839+/-219.850 χ^2/NDF: 25.1/37

All: 13.639+/-156.981 χ^2/NDF: 271.0/76

- sign -2291.594+/-224.223 χ^2/NDF: 38.6/38

overload_cor_asym_usr_rms vs Slug



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

Left Out: 1090.587+/-0.184 χ^2/NDF:3822.0/21

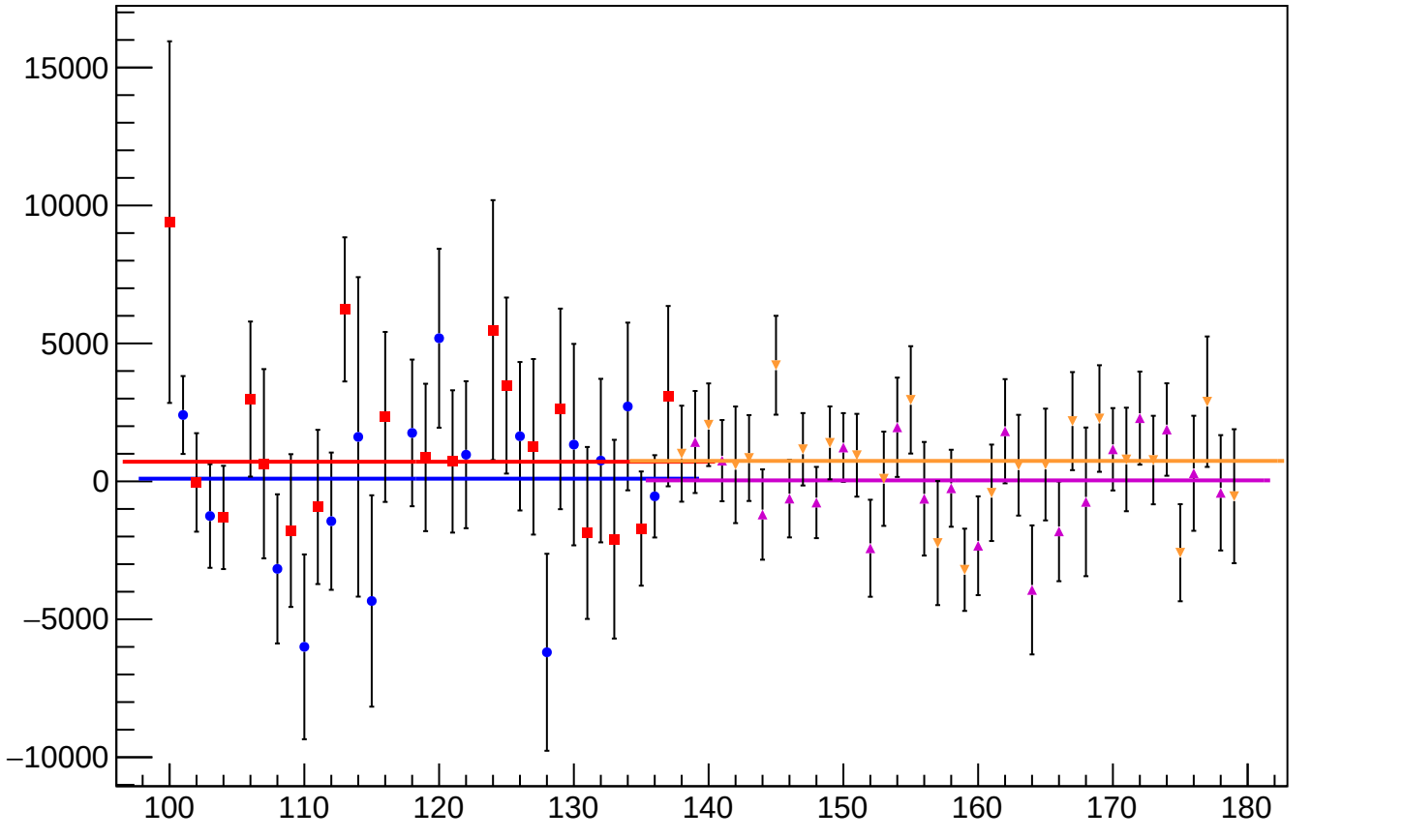
Right Out: 1104.403+/-0.285 χ^2/NDF: 8543.5/18

Left In: 1091.201+/-0.191 χ^2/NDF:3499.1/19

+ sign 1093.336+/-0.155 χ^2/NDF: 17667.4/37

All: 1094.295+/-0.111 χ^2/NDF: 31270.3/76

- sign 1095.292+/-0.159 χ^2/NDF: 13525.3/38



Right In: 97.435+/-618.876 χ^2/NDF: 17.2/15

Left Out: 741.144+/-368.225 χ^2/NDF:21.5/21

Right Out: 711.287+/-637.587 χ^2/NDF: 14.9/18

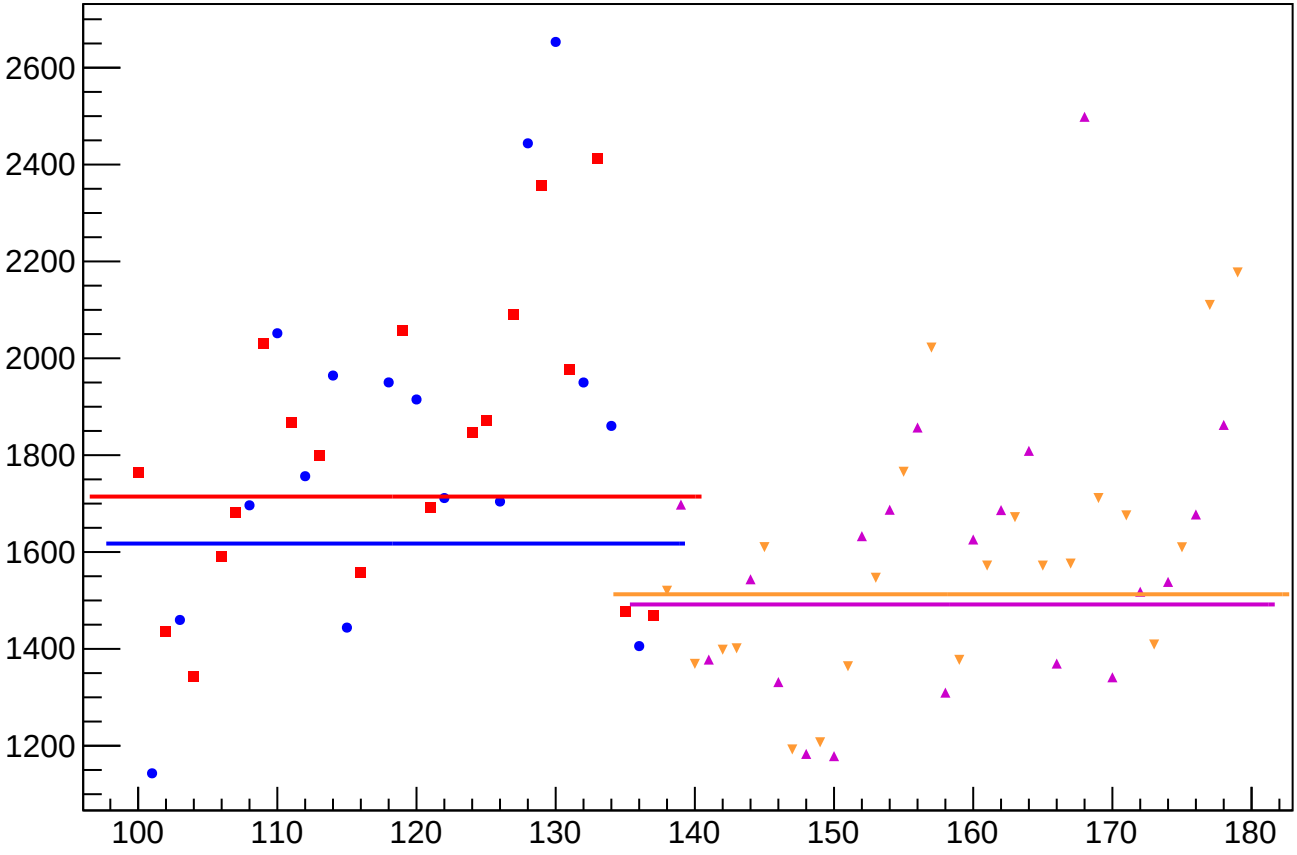
Left In: 35.485+/-375.543 χ^2/NDF:16.4/19

\+ sign 572.843+/-316.448 χ^2/NDF: 39.6/37

All: 395.248+/-226.243 χ^2/NDF: 72.4/76

\- sign 209.552+/-323.584 χ^2/NDF: 32.2/38

asym_usr_overload_cor_correction_rms vs Slug



Right In: 1617.491+/-0.438 χ^2/NDF: 691725.3/15

Left Out: 1512.778+/-0.260 χ^2/NDF:789825.5/21

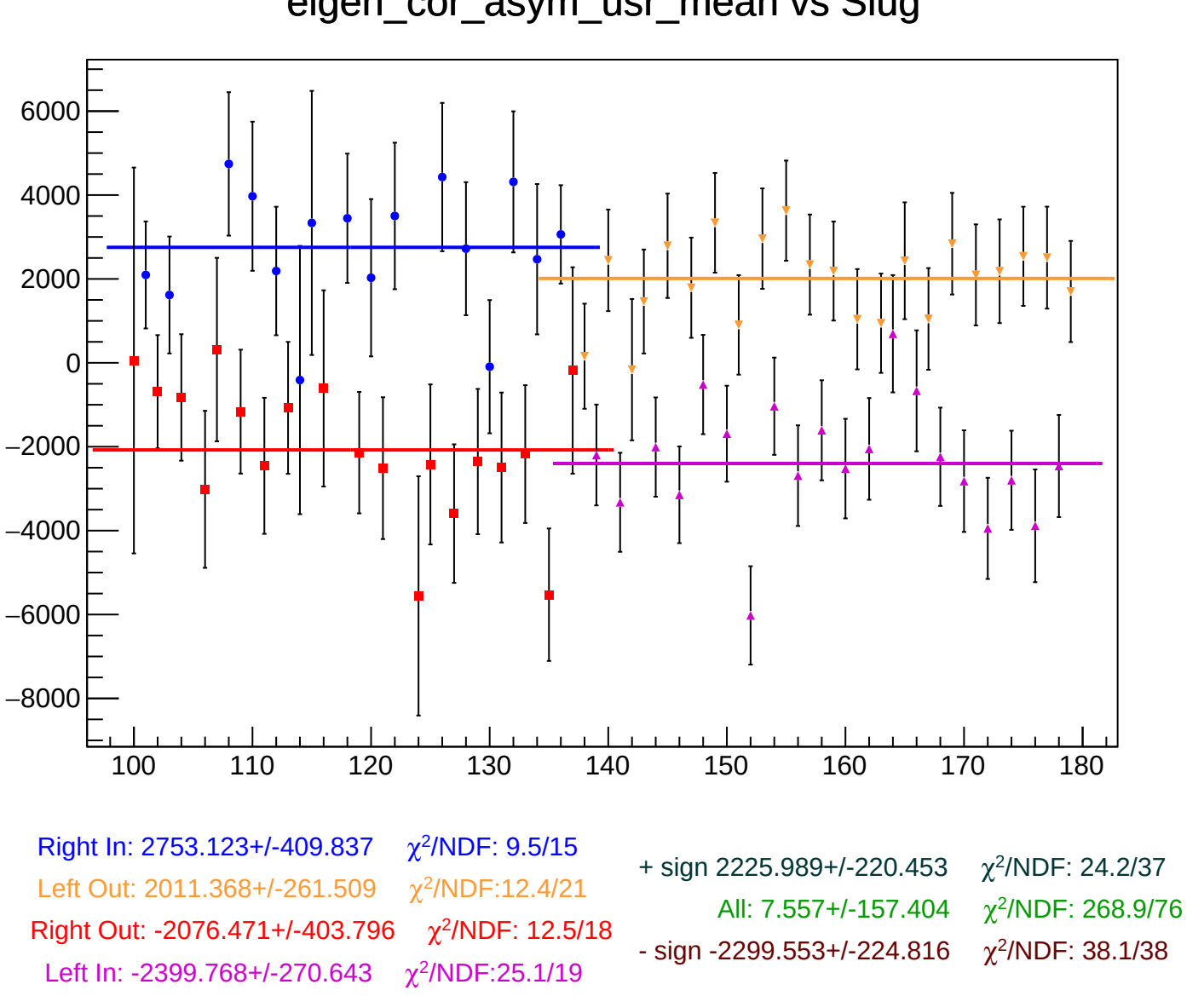
Right Out: 1714.508+/-0.451 χ^2/NDF: 427709.9/18

Left In: 1491.762+/-0.266 χ^2/NDF:897618.7/19

+ sign 1540.156+/-0.224 χ^2/NDF: 1523837.1/37

All: 1544.545+/-0.160 χ^2/NDF: 3031181.0/76

- sign 1549.134+/-0.229 χ^2/NDF: 1506556.8/38


eigen_cor_asym_usr_mean vs Slug
6000
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−6000
−8000
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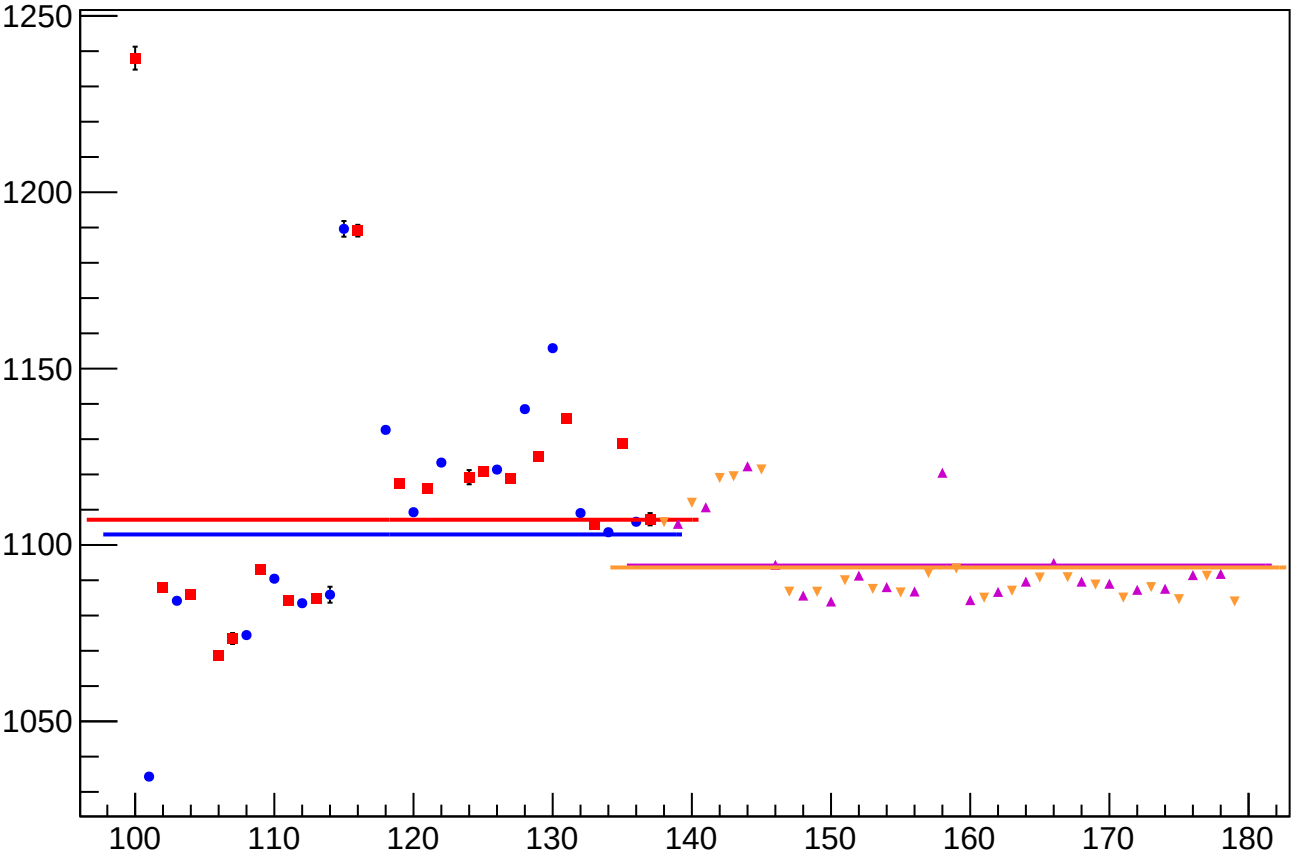
170
180
Right In: 2753.123+/-409.837 χ²/NDF: 9.5/15
Left Out: 2011.368+/-261.509 χ²/NDF:12.4/21
Right Out: -2076.471+/-403.796 χ²/NDF: 12.5/18
Left In: -2399.768+/-270.643 χ²/NDF:25.1/19
+ sign 2225.989+/-220.453 χ²/NDF: 24.2/37
All: 7.557+/-157.404 χ²/NDF: 268.9/76
- sign -2299.553+/-224.816 χ²/NDF: 38.1/38

eigen_cor_asym_usr_rms vs Slug



Right In: 1102.988+/-0.290 χ^2/NDF: 13223.8/15

Left Out: 1093.627+/-0.185 χ^2/NDF:3876.0/21

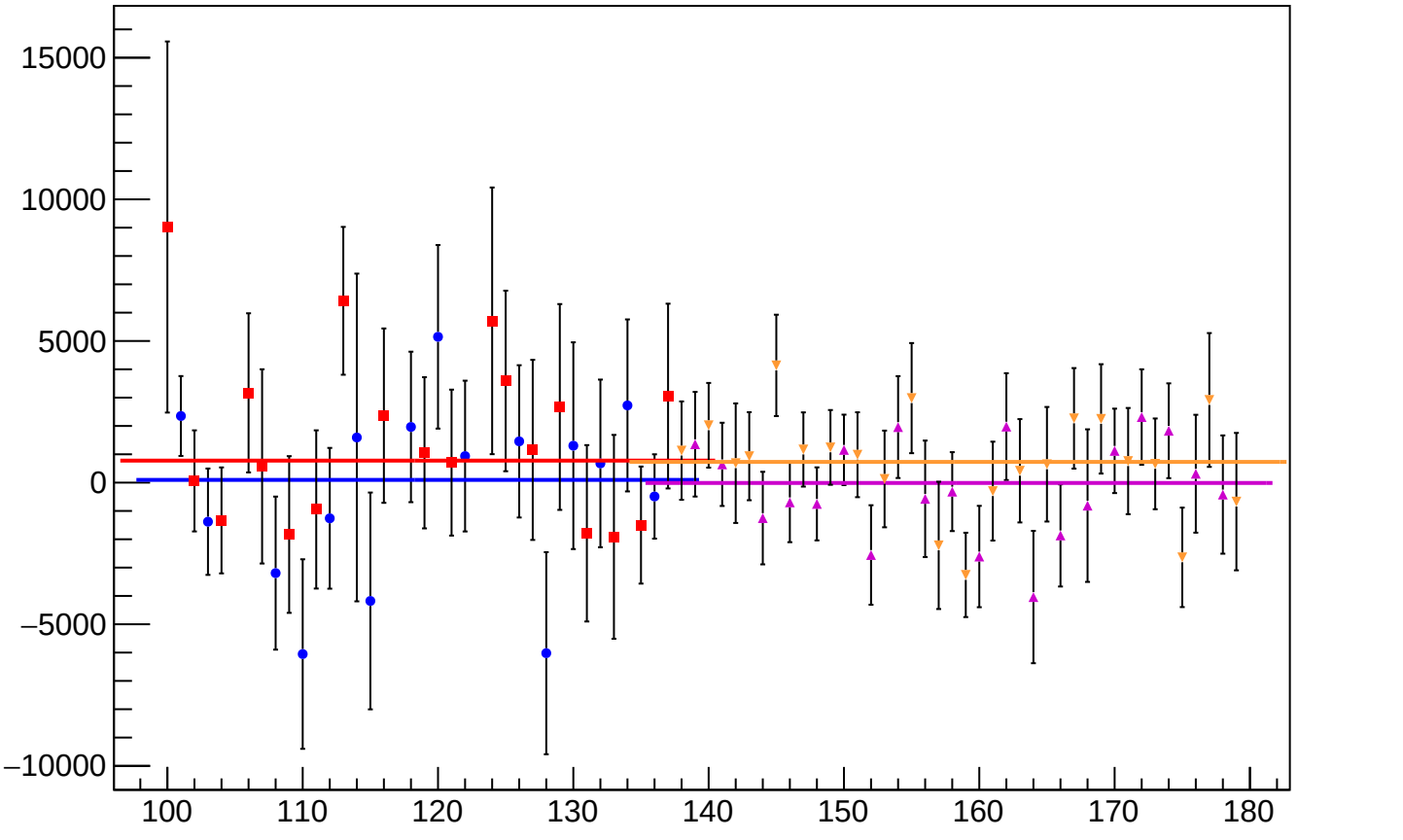
Right Out: 1107.159+/-0.286 χ^2/NDF: 8683.4/18

Left In: 1094.164+/-0.191 χ^2/NDF:3538.6/19

+ sign 1096.335+/-0.156 χ^2/NDF: 17841.3/37

All: 1097.246+/-0.111 χ^2/NDF: 31562.3/76

- sign 1098.192+/-0.159 χ^2/NDF: 13651.4/38



Right In: 95.955+/-618.095 χ^2/NDF: 16.9/15

Left Out: 731.080+/-367.673 χ^2/NDF:21.7/21

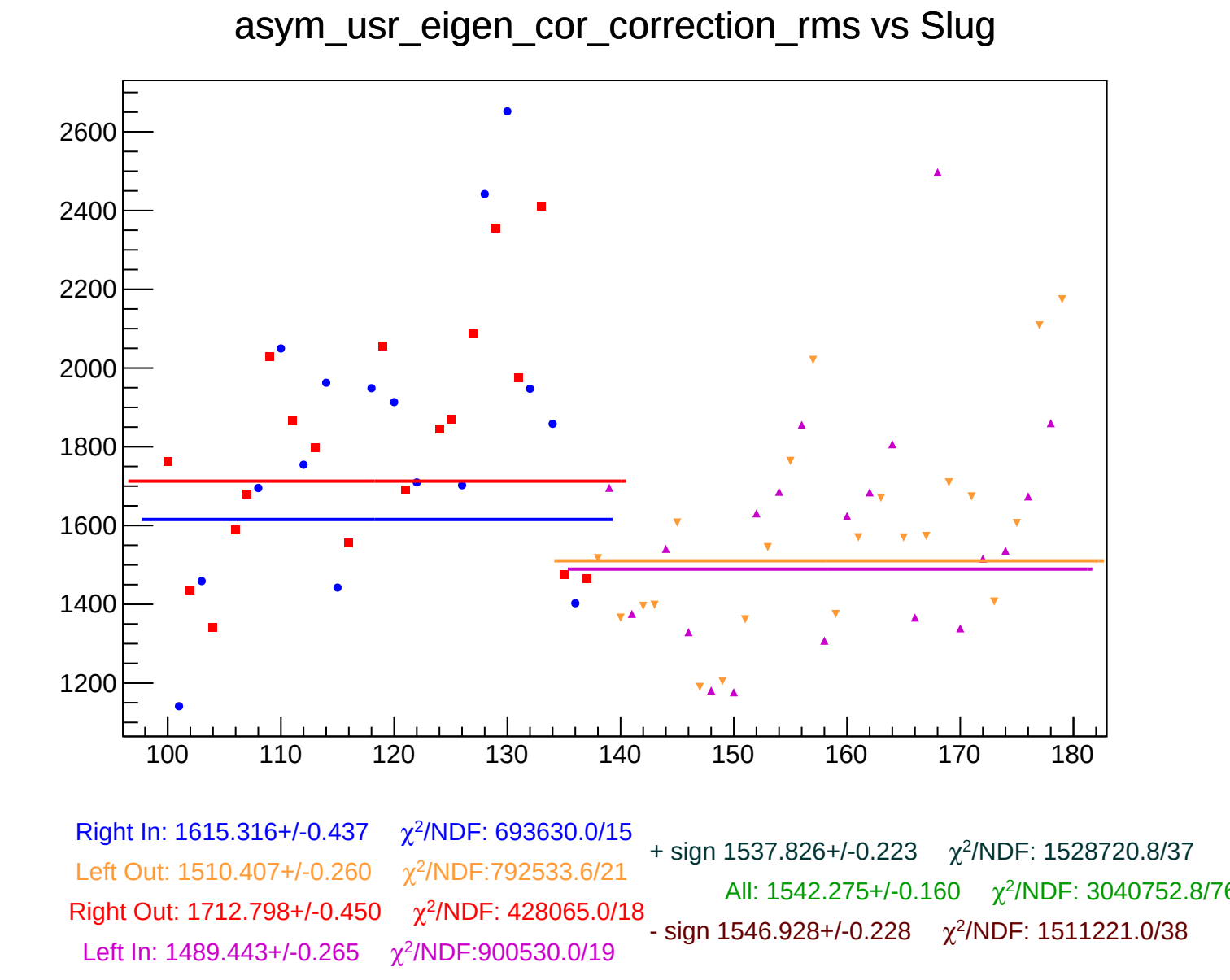
Right Out: 776.996+/-636.966 χ^2/NDF: 15.1/18

Left In: -12.189+/-374.982 χ^2/NDF:17.3/19

+ sign 565.082+/-315.993 χ^2/NDF: 39.4/37

All: 382.189+/-225.927 χ^2/NDF: 73.6/76

- sign 190.925+/-323.144 χ^2/NDF: 33.5/38


asym_usr_eigen_cor_correction_rms vs Slug
2600
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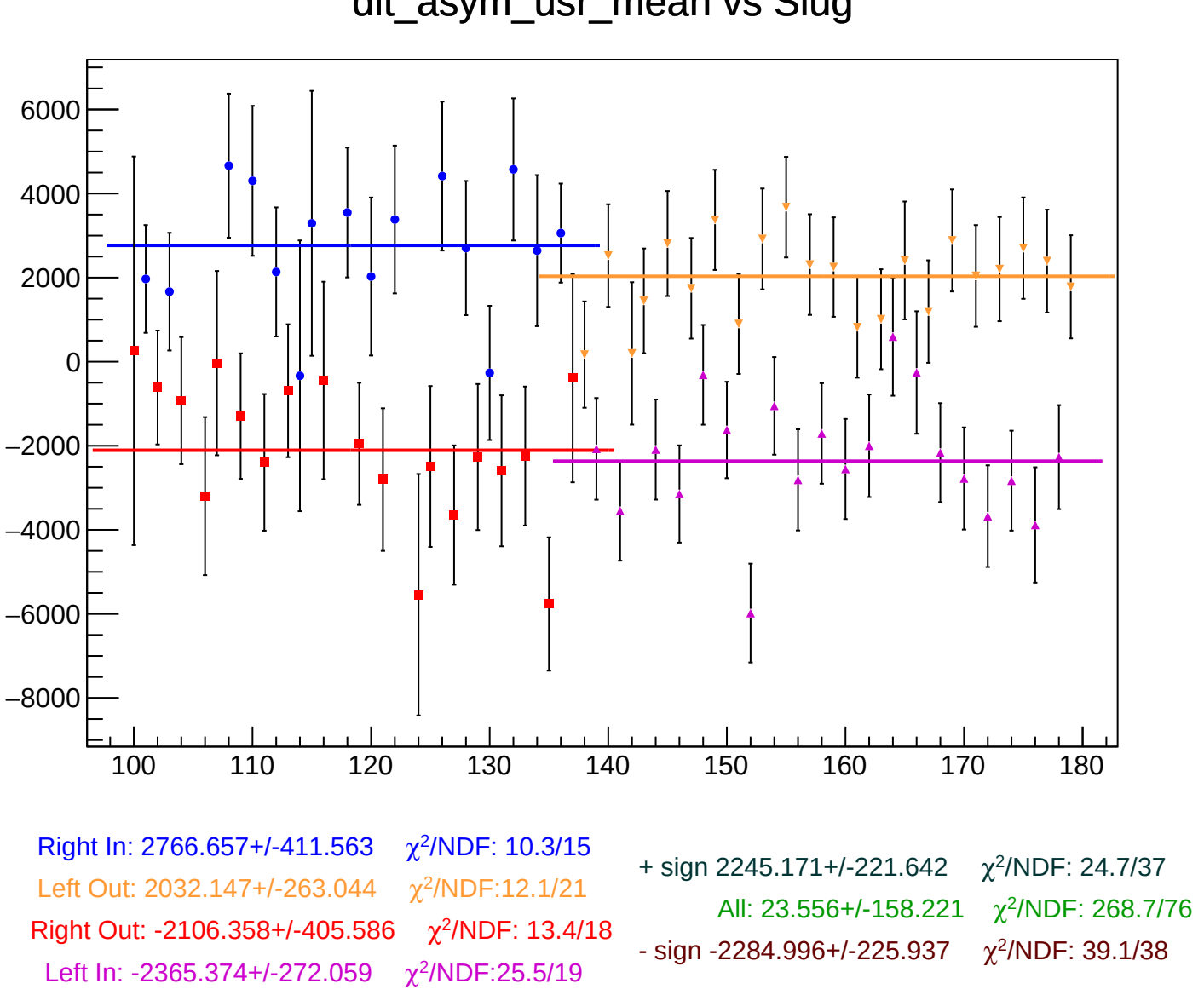
170
180
Right In: 1615.316+/-0.437 χ²/NDF: 693630.0/15
Left Out: 1510.407+/-0.260 χ²/NDF:792533.6/21
Right Out: 1712.798+/-0.450 χ²/NDF: 428065.0/18
Left In: 1489.443+/-0.265 χ²/NDF:900530.0/19
+ sign 1537.826+/-0.223 χ²/NDF: 1528720.8/37
All: 1542.275+/-0.160 χ²/NDF: 3040752.8/76
- sign 1546.928+/-0.228 χ²/NDF: 1511221.0/38


dit_asym_usr_mean vs Slug
6000
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−4000
−6000
−8000
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120
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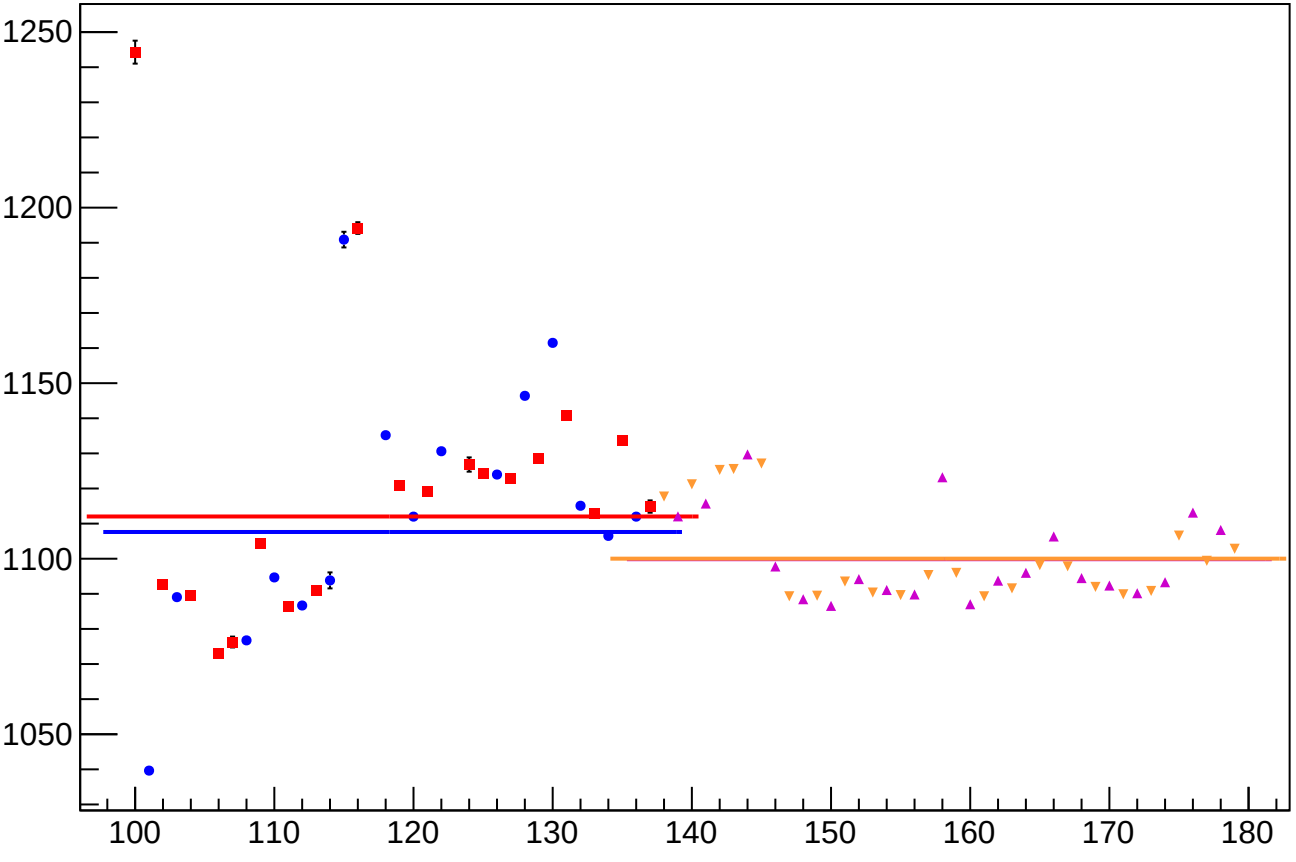
140
150
160
170
180
Right In: 2766.657+/-411.563 χ²/NDF: 10.3/15
Left Out: 2032.147+/-263.044 χ²/NDF:12.1/21
Right Out: -2106.358+/-405.586 χ²/NDF: 13.4/18
Left In: -2365.374+/-272.059 χ²/NDF:25.5/19
+ sign 2245.171+/-221.642 χ²/NDF: 24.7/37
All: 23.556+/-158.221 χ²/NDF: 268.7/76
- sign -2284.996+/-225.937 χ²/NDF: 39.1/38

dit_asym_usr_rms vs Slug



Right In: 1107.613+/-0.291 χ^2/NDF: 13220.8/15

Left Out: 1100.013+/-0.186 χ^2/NDF:4608.3/21

Right Out: 1112.029+/-0.287 χ^2/NDF: 8653.5/18

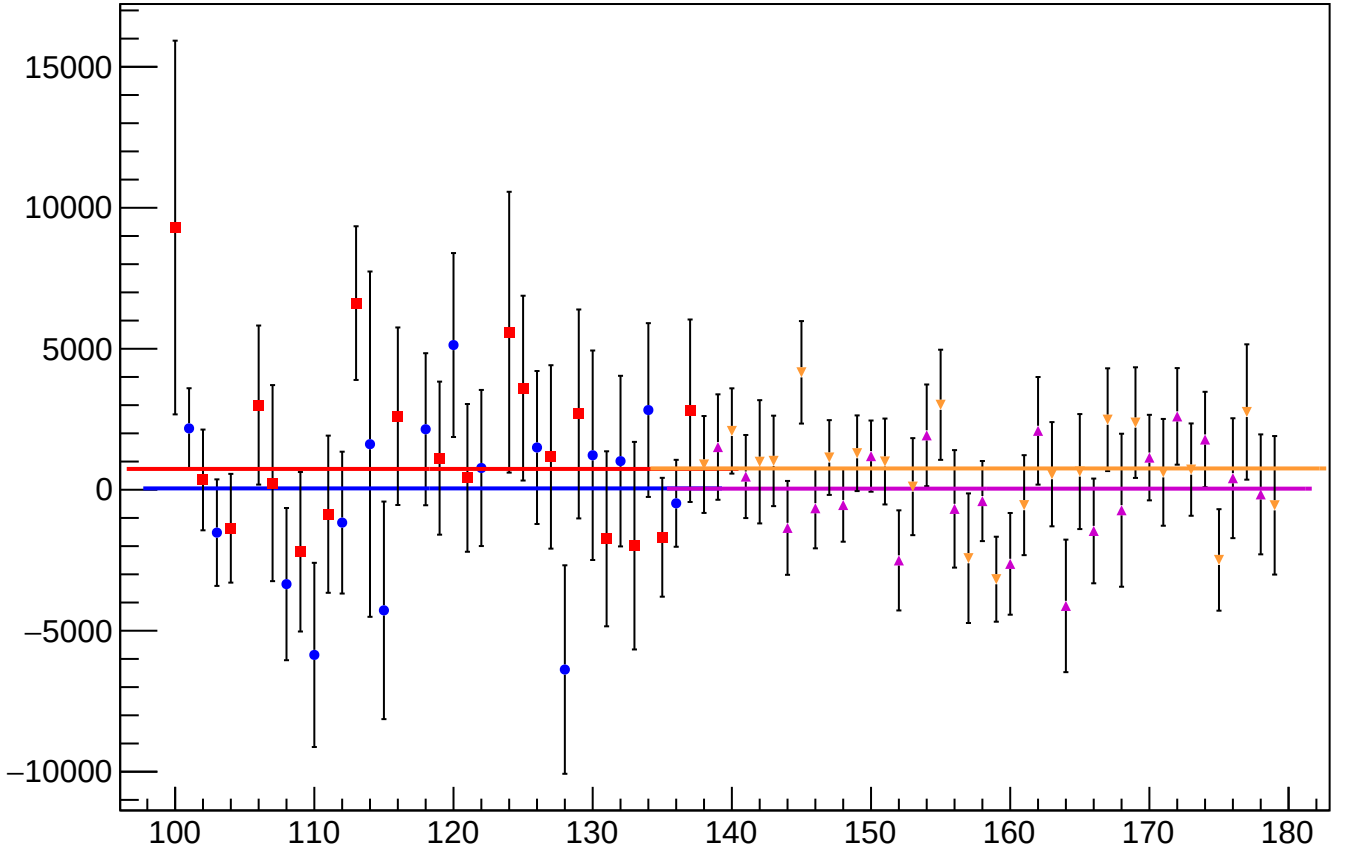
Left In: 1099.858+/-0.192 χ^2/NDF:4263.6/19

+ sign 1102.218+/-0.157 χ^2/NDF: 18313.3/37

All: 1102.913+/-0.112 χ^2/NDF: 32512.7/76

- sign 1103.635+/-0.160 χ^2/NDF: 14159.3/38

asym_usr_dit_correction_mean vs Slug



Right In: 47.817+/-628.060 χ^2/NDF: 16.9/15

Left Out: 755.409+/-373.393 χ^2/NDF:21.2/21

Right Out: 738.185+/-647.795 χ^2/NDF: 14.9/18

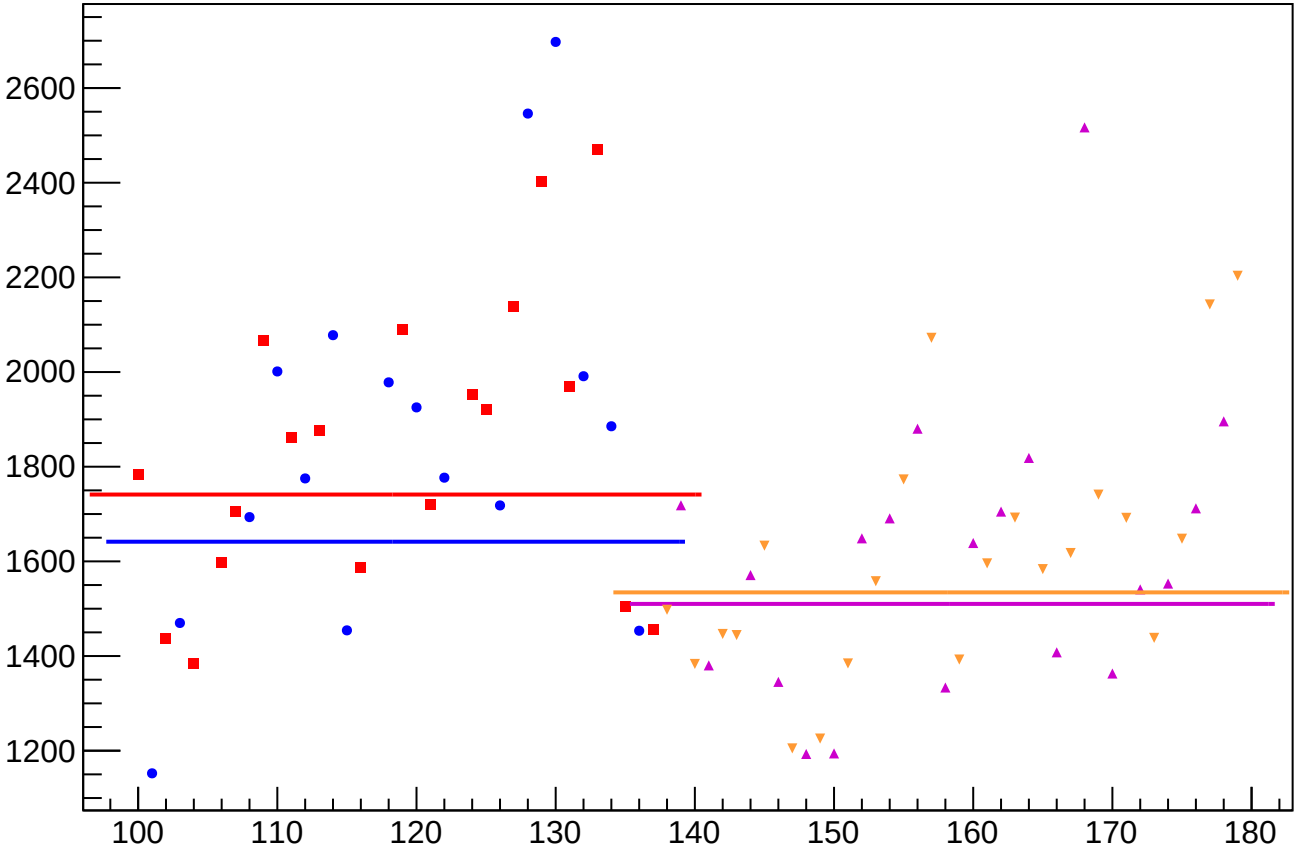
Left In: 38.904+/-379.993 χ^2/NDF:17.1/19

+ sign 570.623+/-320.956 χ^2/NDF: 39.0/37

All: 397.974+/-229.319 χ^2/NDF: 72.5/76

- sign 217.923+/-327.764 χ^2/NDF: 32.9/38

asym_usr_dit_correction_rms vs Slug



Right In: 1641.538+/-0.444 χ^2/NDF: 701311.4/15

Left Out: 1534.466+/-0.264 χ^2/NDF:792688.5/21

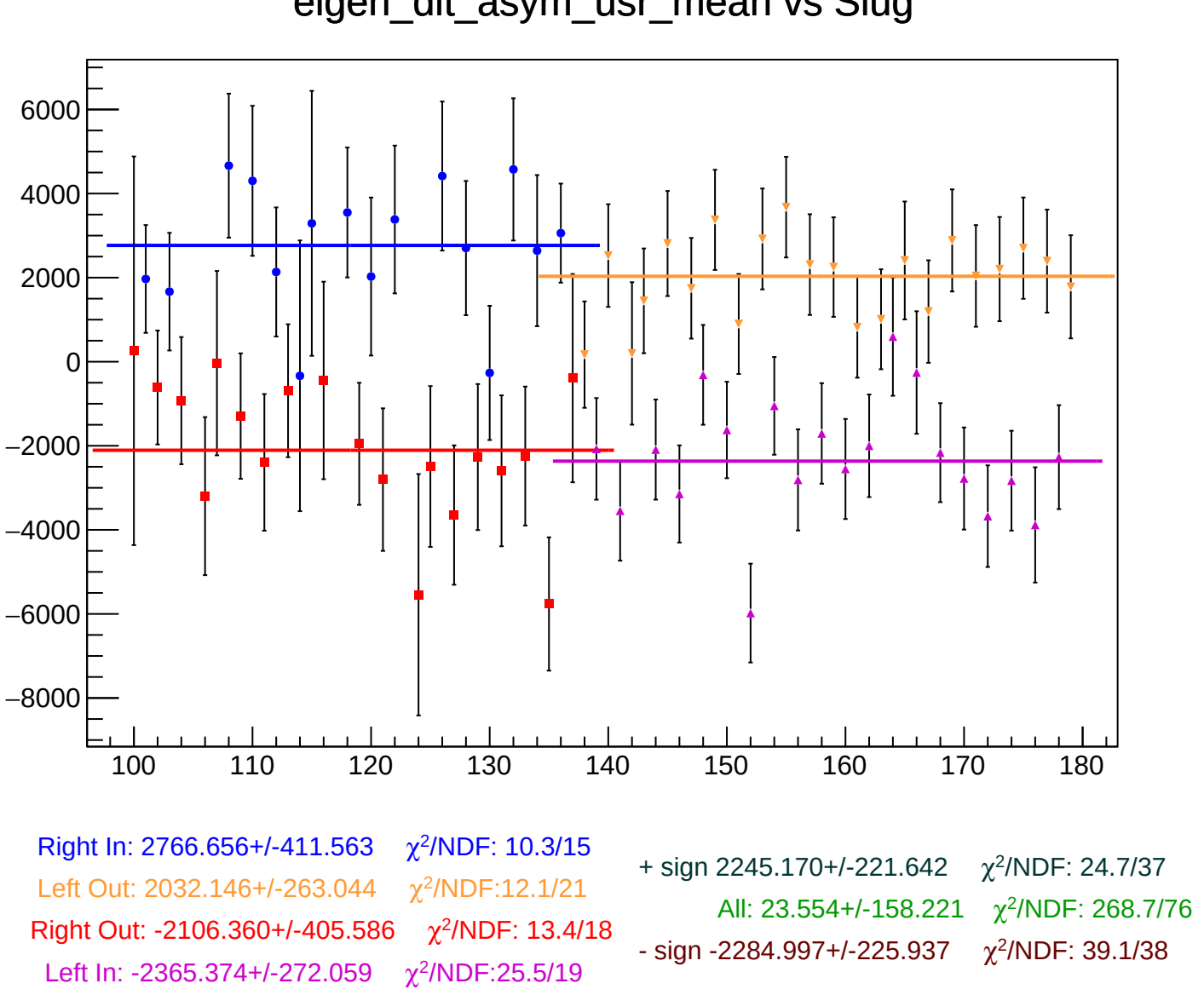
Right Out: 1741.200+/-0.458 χ^2/NDF: 438336.6/18

Left In: 1510.127+/-0.269 χ^2/NDF:891455.9/19

+ sign 1562.427+/-0.227 χ^2/NDF: 1536947.2/37

All: 1565.783+/-0.162 χ^2/NDF: 3056518.1/76

- sign 1569.283+/-0.232 χ^2/NDF: 1519124.3/38


eigen_dit_asym_usr_mean vs Slug
6000
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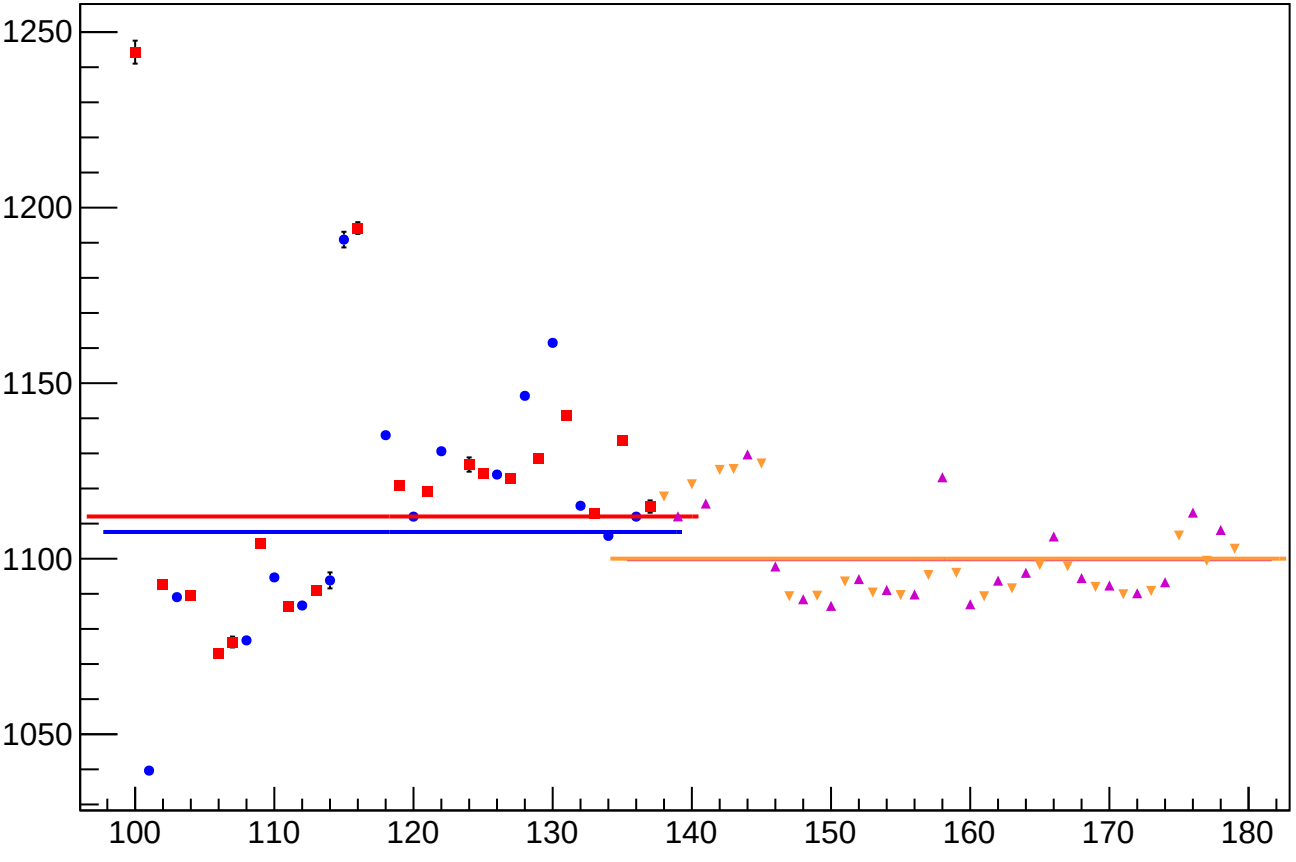
180
Right In: 2766.656+/-411.563 χ²/NDF: 10.3/15
Left Out: 2032.146+/-263.044 χ²/NDF:12.1/21
Right Out: -2106.360+/-405.586 χ²/NDF: 13.4/18
Left In: -2365.374+/-272.059 χ²/NDF:25.5/19
+ sign 2245.170+/-221.642 χ²/NDF: 24.7/37
All: 23.554+/-158.221 χ²/NDF: 268.7/76
- sign -2284.997+/-225.937 χ²/NDF: 39.1/38

eigen_dit_asym_usr_rms vs Slug



Right In: 1107.613+/-0.291 χ^2/NDF: 13220.7/15

Left Out: 1100.013+/-0.186 χ^2/NDF:4608.3/21

Right Out: 1112.029+/-0.287 χ^2/NDF: 8653.5/18

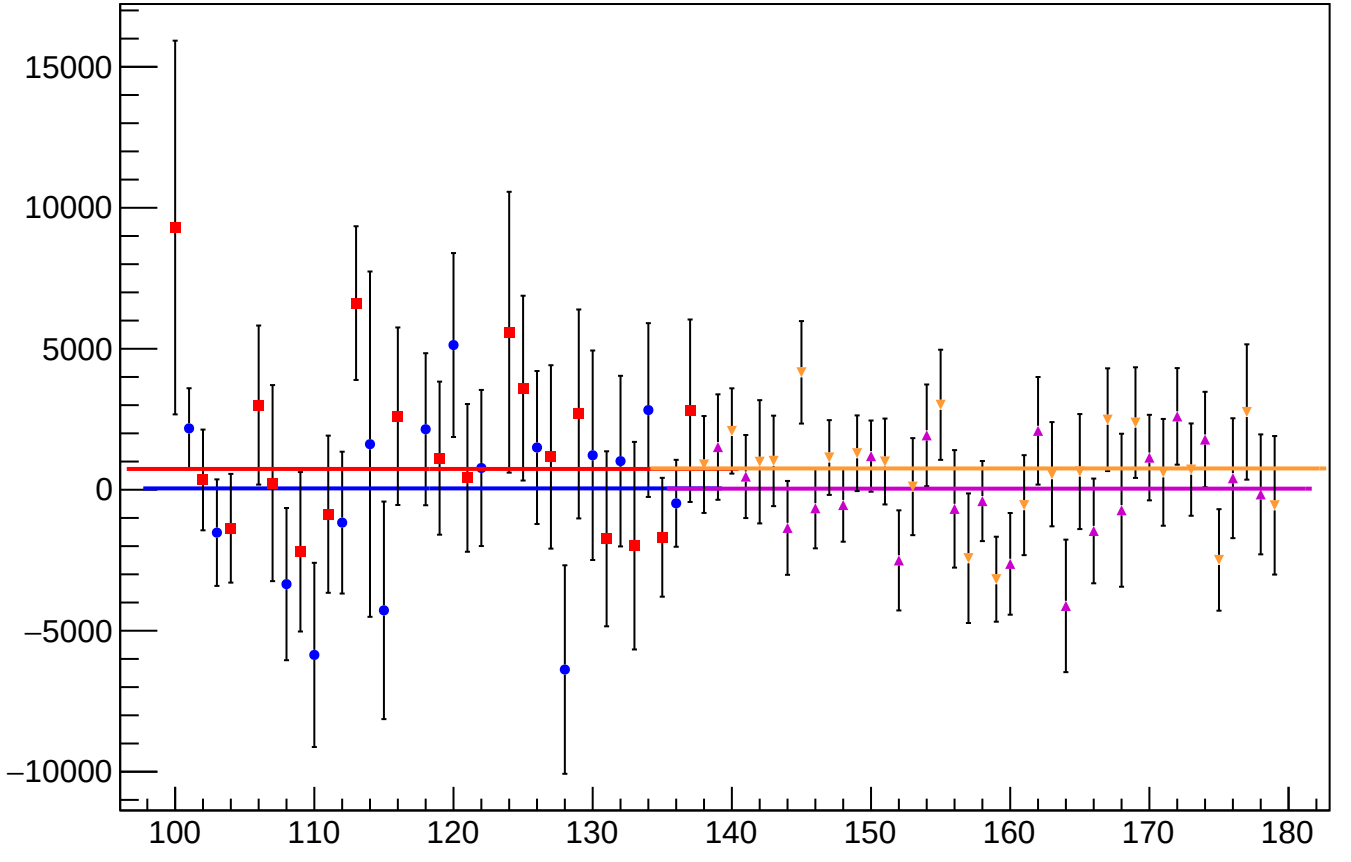
Left In: 1099.858+/-0.192 χ^2/NDF:4263.6/19

+ sign 1102.218+/-0.157 χ^2/NDF: 18313.1/37

All: 1102.913+/-0.112 χ^2/NDF: 32512.5/76

- sign 1103.635+/-0.160 χ^2/NDF: 14159.3/38

asym_usr_eigen_dit_correction_mean vs Slug



Right In: 47.813+/-628.059 χ^2/NDF: 16.9/15

Left Out: 755.408+/-373.394 χ^2/NDF:21.2/21

Right Out: 738.188+/-647.795 χ^2/NDF: 14.9/18

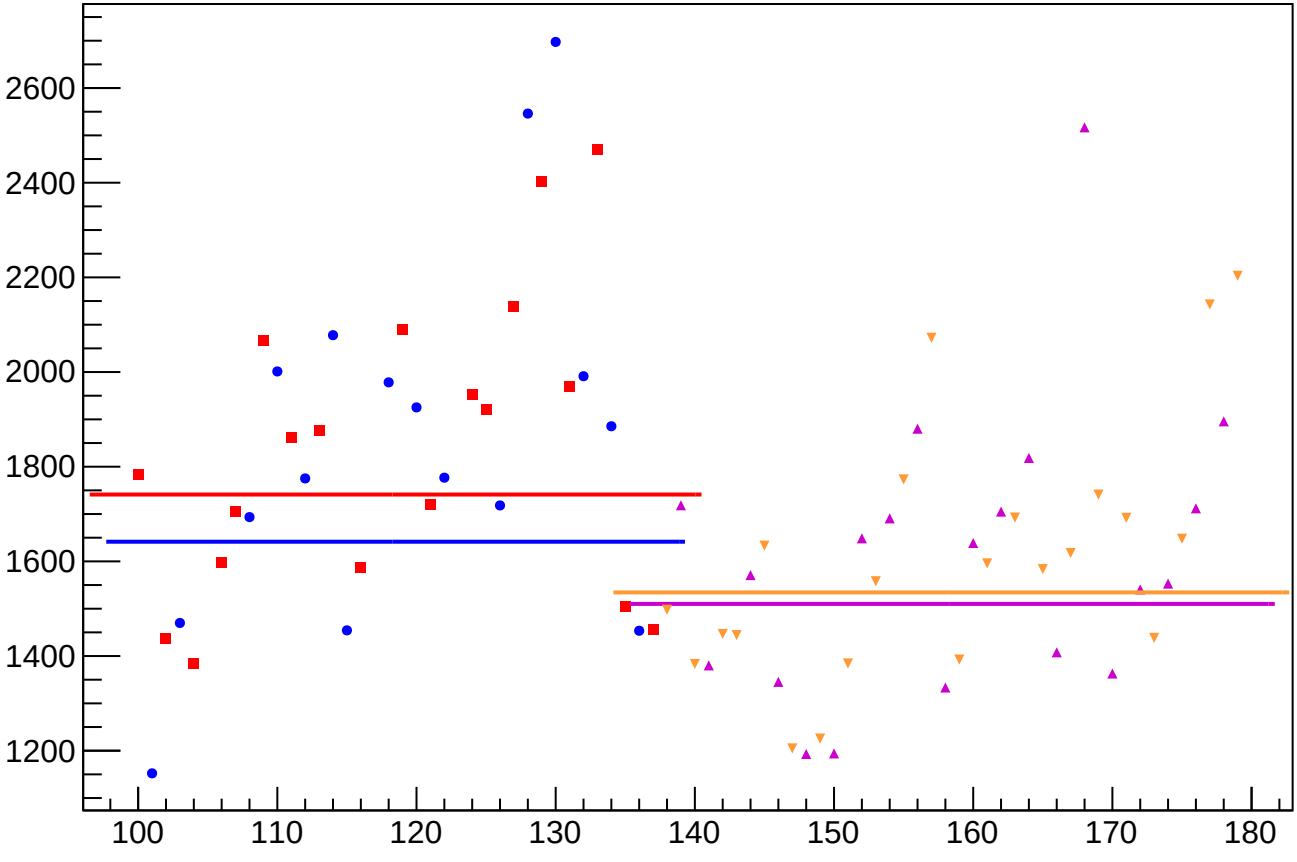
Left In: 38.903+/-379.994 χ^2/NDF:17.1/19

+ sign 570.620+/-320.956 χ^2/NDF: 39.0/37

All: 397.973+/-229.319 χ^2/NDF: 72.5/76

- sign 217.924+/-327.764 χ^2/NDF: 32.9/38

asym_usr_eigen_dit_correction_rms vs Slug



Right In: 1641.536+/-0.444 χ^2/NDF: 701299.1/15

Left Out: 1534.470+/-0.264 χ^2/NDF:792692.4/21

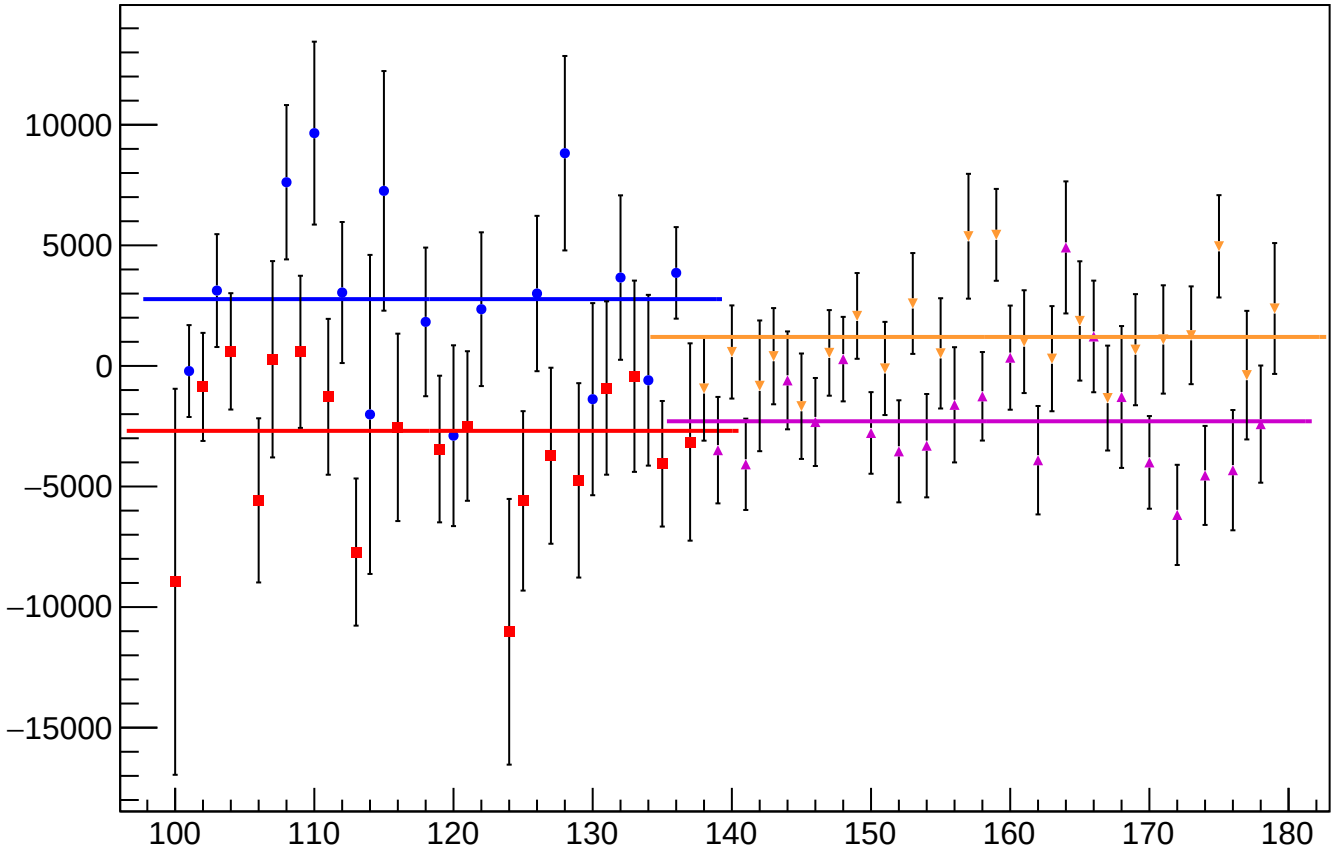
Right Out: 1741.199+/-0.458 χ^2/NDF: 438324.1/18

Left In: 1510.131+/-0.269 χ^2/NDF:891461.3/19

+ sign 1562.430+/-0.227 χ^2/NDF: 1536934.2/37

All: 1565.786+/-0.162 χ^2/NDF: 3056489.9/76

- sign 1569.285+/-0.232 χ^2/NDF: 1519109.0/38



Right In: 2769.952+/-757.109 χ^2/NDF: 16.4/15

Left Out: 1201.842+/-458.412 χ^2/NDF:17.8/21

Right Out: -2692.625+/-765.754 χ^2/NDF: 12.5/18

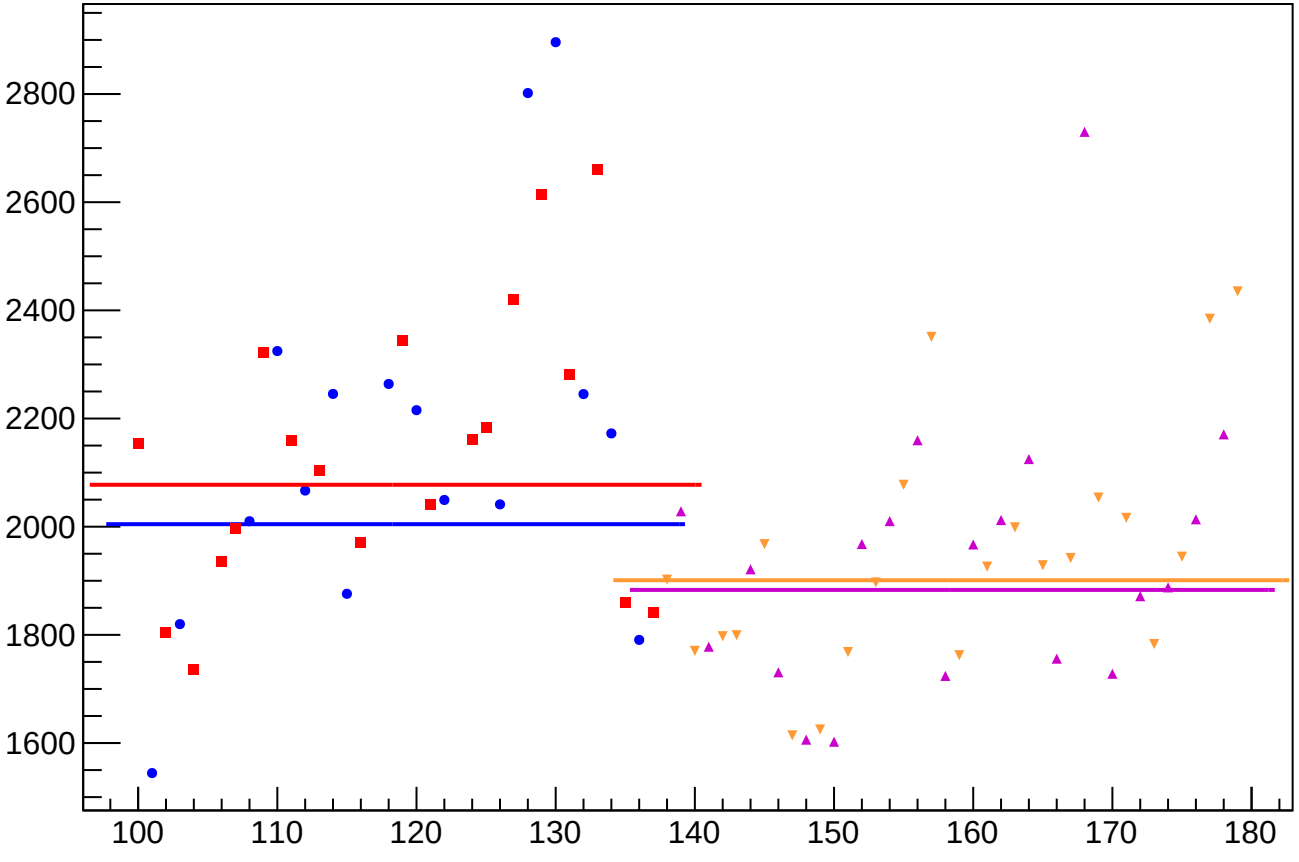
Left In: -2295.213+/-469.698 χ^2/NDF:22.6/19

+ sign 1622.499+/-392.134 χ^2/NDF: 37.4/37

All: -348.790+/-280.151 χ^2/NDF: 124.3/76

- sign -2403.858+/-400.380 χ^2/NDF: 35.3/38

asym_usr_rms vs Slug



Right In: 2004.635+/-0.535 χ^2/NDF: 387567.3/15

Left Out: 1901.007+/-0.324 χ^2/NDF:382163.0/21

Right Out: 2077.500+/-0.541 χ^2/NDF: 230482.0/18

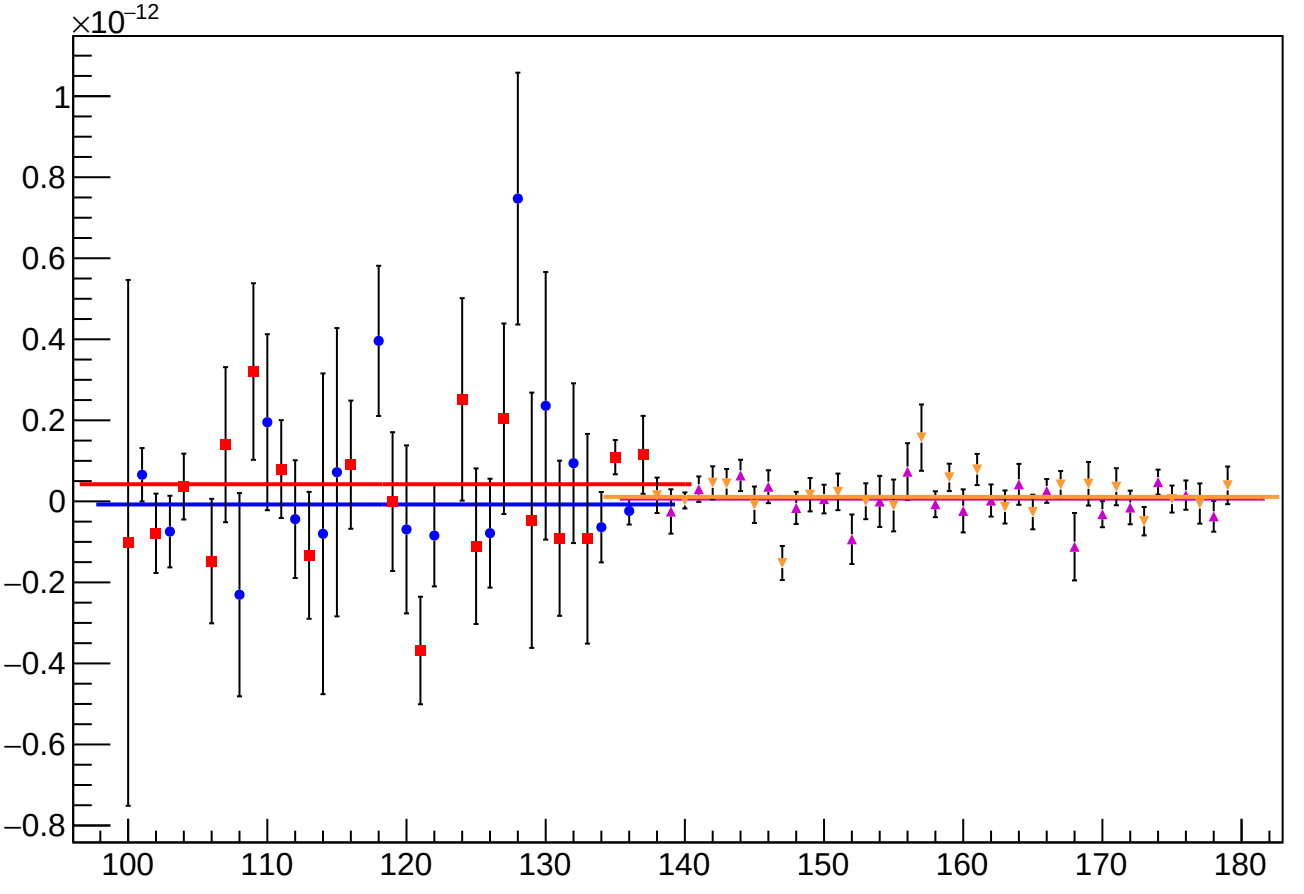
Left In: 1883.115+/-0.332 χ^2/NDF:430241.9/19

+ sign 1928.806+/-0.277 χ^2/NDF: 797147.7/37

All: 1932.454+/-0.198 χ^2/NDF: 1551870.1/76

- sign 1936.256+/-0.283 χ^2/NDF: 754369.0/38

asym_usr_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:31.7/21

Right Out: 0.000+/-0.000 χ^2/NDF: 21.8/18

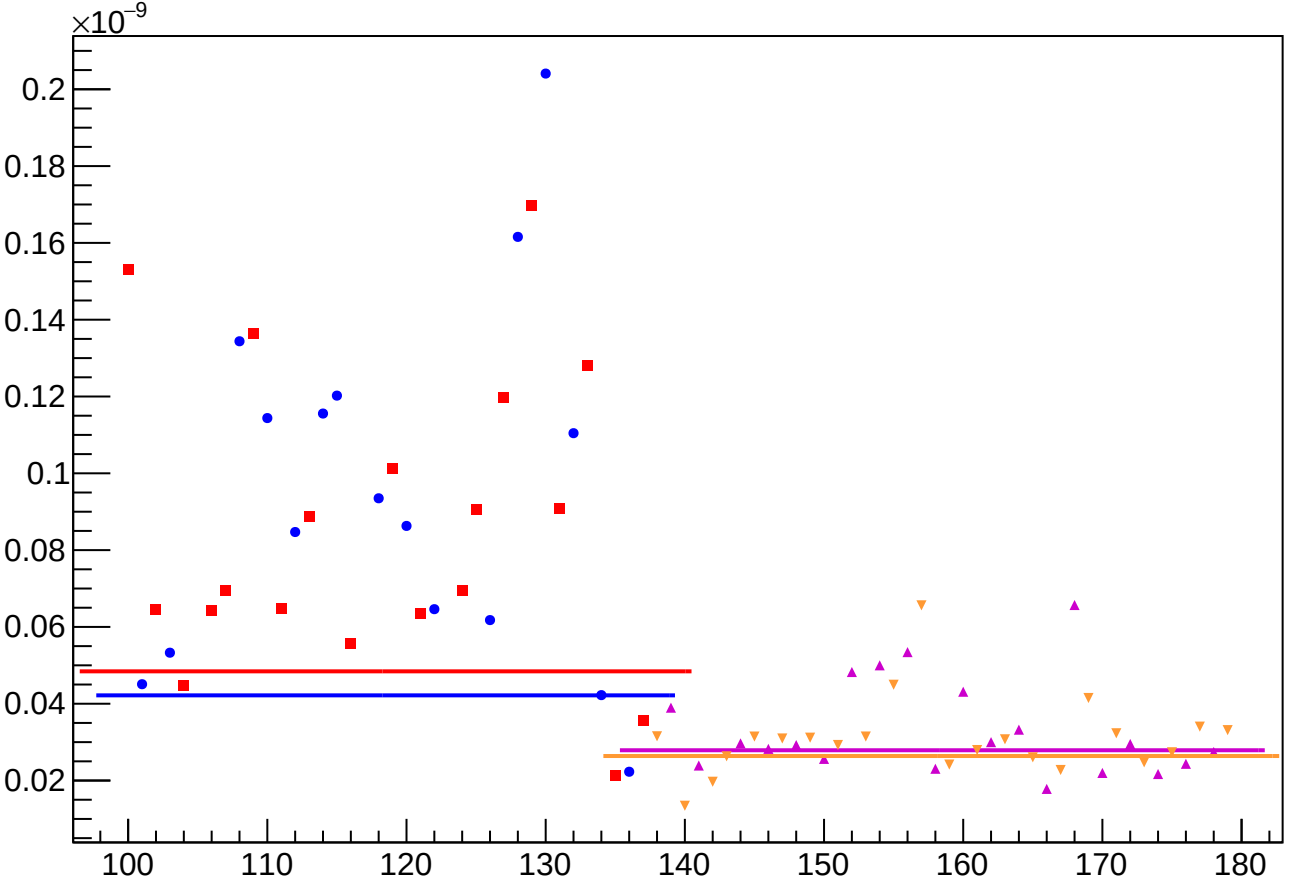
Left In: 0.000+/-0.000 χ^2/NDF:15.8/19

+ sign 0.000+/-0.000 χ^2/NDF: 48.7/37

All: 0.000+/-0.000 χ^2/NDF: 87.8/76

- sign 0.000+/-0.000 χ^2/NDF: 39.1/38

asym_usr_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2933545.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:2021103.5/21

Right Out: 0.000+/-0.000 χ^2/NDF: 2604483.4/18

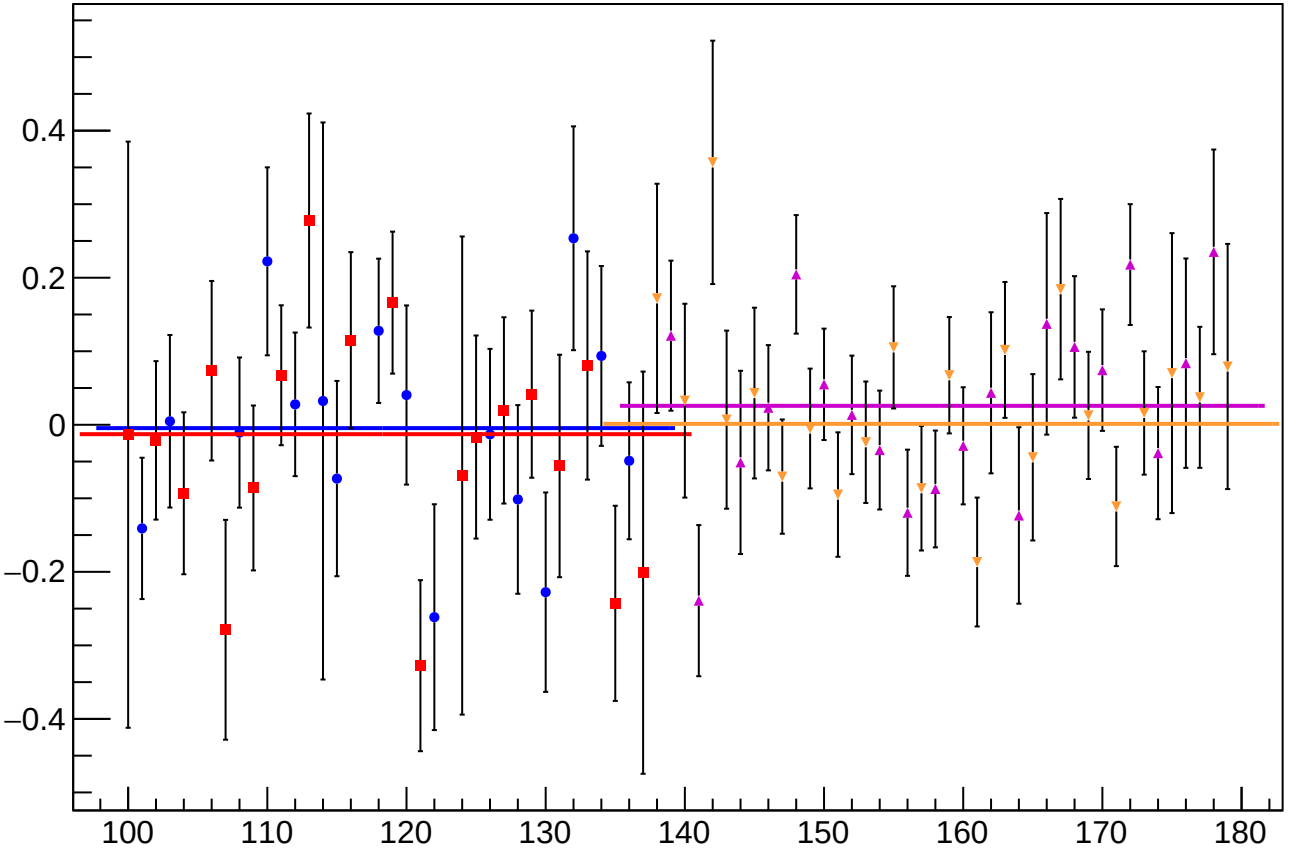
Left In: 0.000+/-0.000 χ^2/NDF:1919014.6/19

+ sign 0.000+/-0.000 χ^2/NDF: 5712247.5/37

All: 0.000+/-0.000 χ^2/NDF: 11331191.7/76

- sign 0.000+/-0.000 χ^2/NDF: 5566091.1/38

asym_usr_dit_vs_cor_diff_mean vs Slug



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: 0.001+/-0.021 χ^2/NDF:22.2/21

Right Out: -0.013+/-0.030 χ^2/NDF: 25.5/18

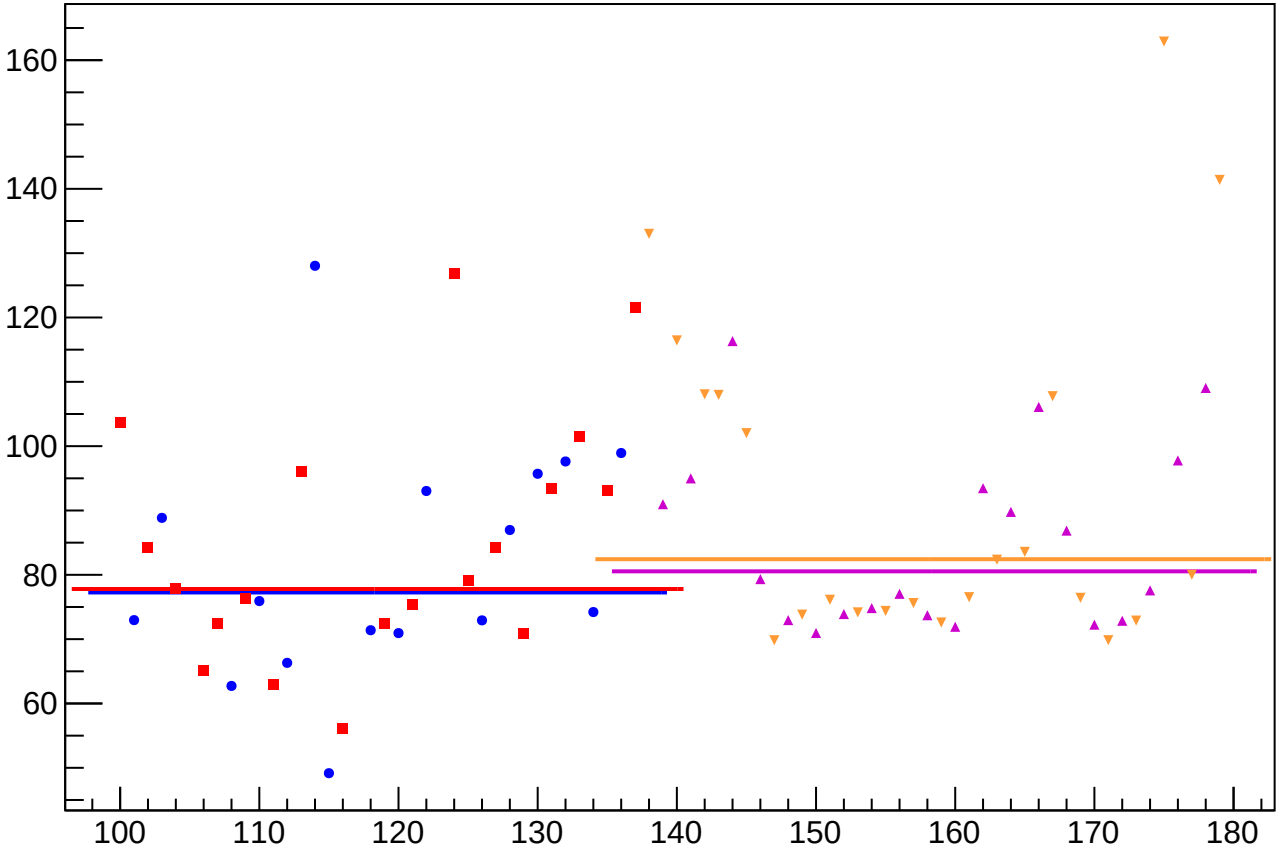
Left In: 0.026+/-0.021 χ^2/NDF:30.5/19

+ sign -0.001+/-0.017 χ^2/NDF: 39.5/37

All: 0.006+/-0.012 χ^2/NDF: 96.9/76

- sign 0.013+/-0.017 χ^2/NDF: 57.1/38

asym_usr_dit_vs_cor_diff_rms vs Slug



Right In: 77.259+/-0.021 χ^2/NDF: 419290.2/15

Left Out: 82.431+/-0.015 χ^2/NDF:1493183.3/21

Right Out: 77.796+/-0.021 χ^2/NDF: 396477.1/18

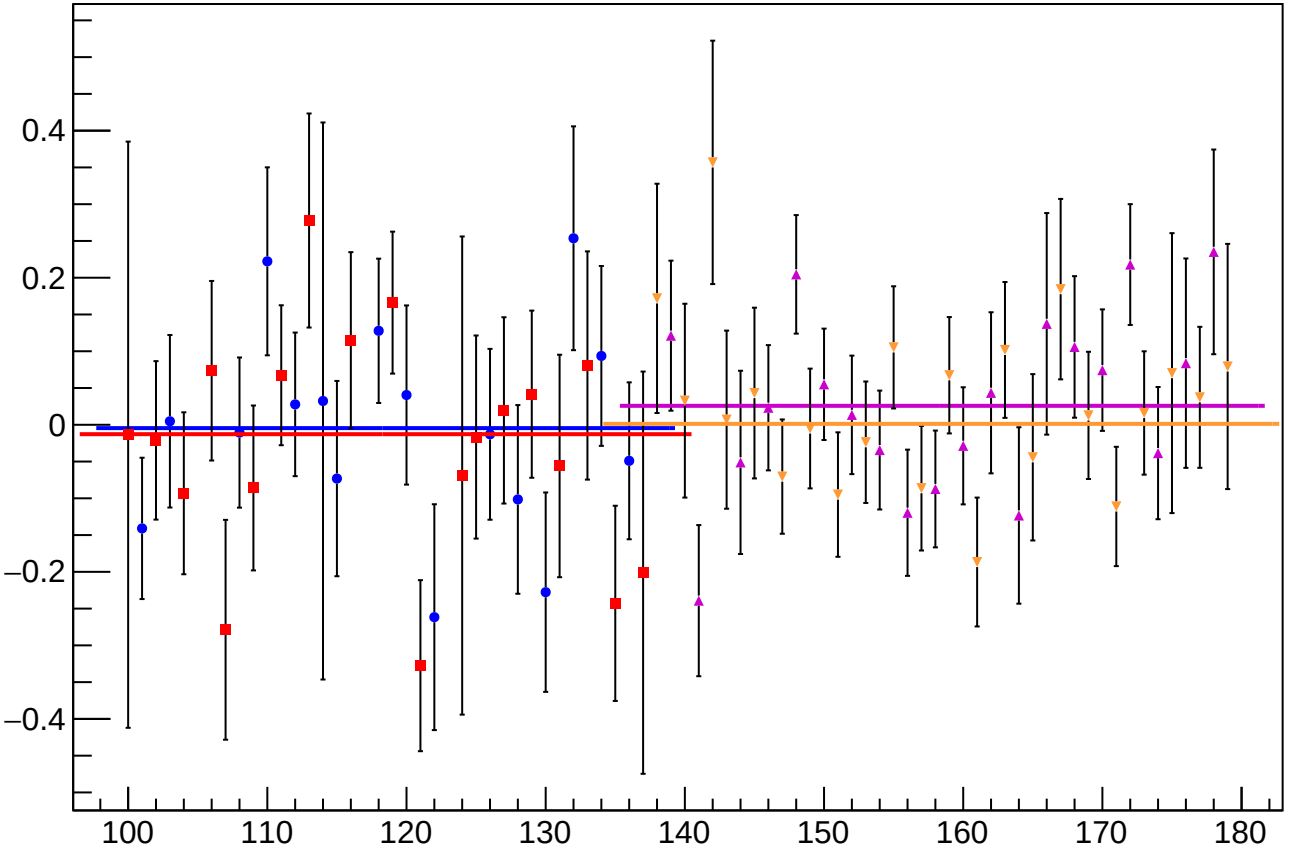
Left In: 80.540+/-0.015 χ^2/NDF:599494.4/19

+ sign 80.758+/-0.012 χ^2/NDF: 1952551.8/37

All: 80.196+/-0.009 χ^2/NDF: 2964266.7/76

- sign 79.637+/-0.012 χ^2/NDF: 1007403.7/38

asym_usr_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: 0.001+/-0.021 χ^2/NDF:22.2/21

Right Out: -0.013+/-0.030 χ^2/NDF: 25.5/18

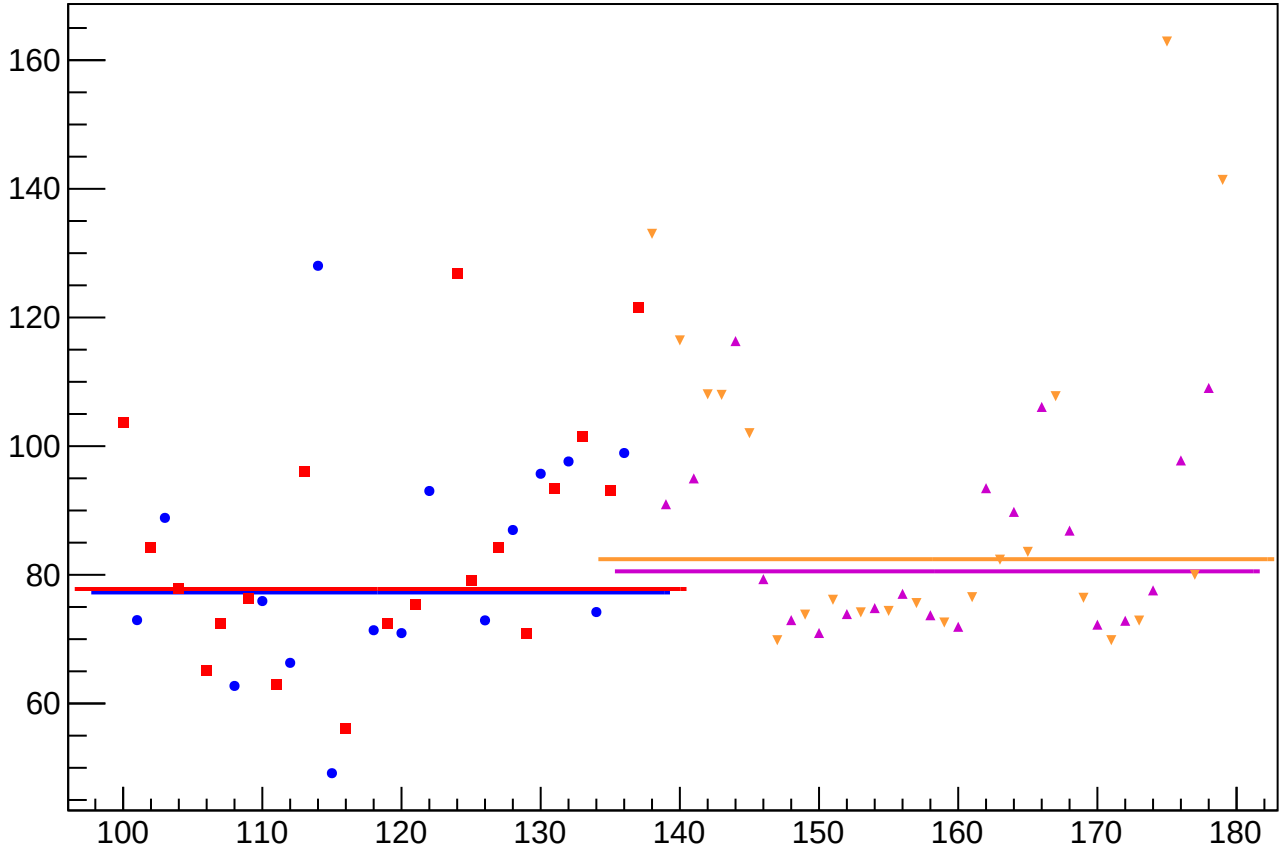
Left In: 0.026+/-0.021 χ^2/NDF:30.5/19

+ sign -0.001+/-0.017 χ^2/NDF: 39.5/37

All: 0.006+/-0.012 χ^2/NDF: 96.9/76

- sign 0.013+/-0.017 χ^2/NDF: 57.1/38

asym_usr_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 77.259+/-0.021 χ^2/NDF: 419290.2/15

Left Out: 82.431+/-0.015 χ^2/NDF:1493183.3/21

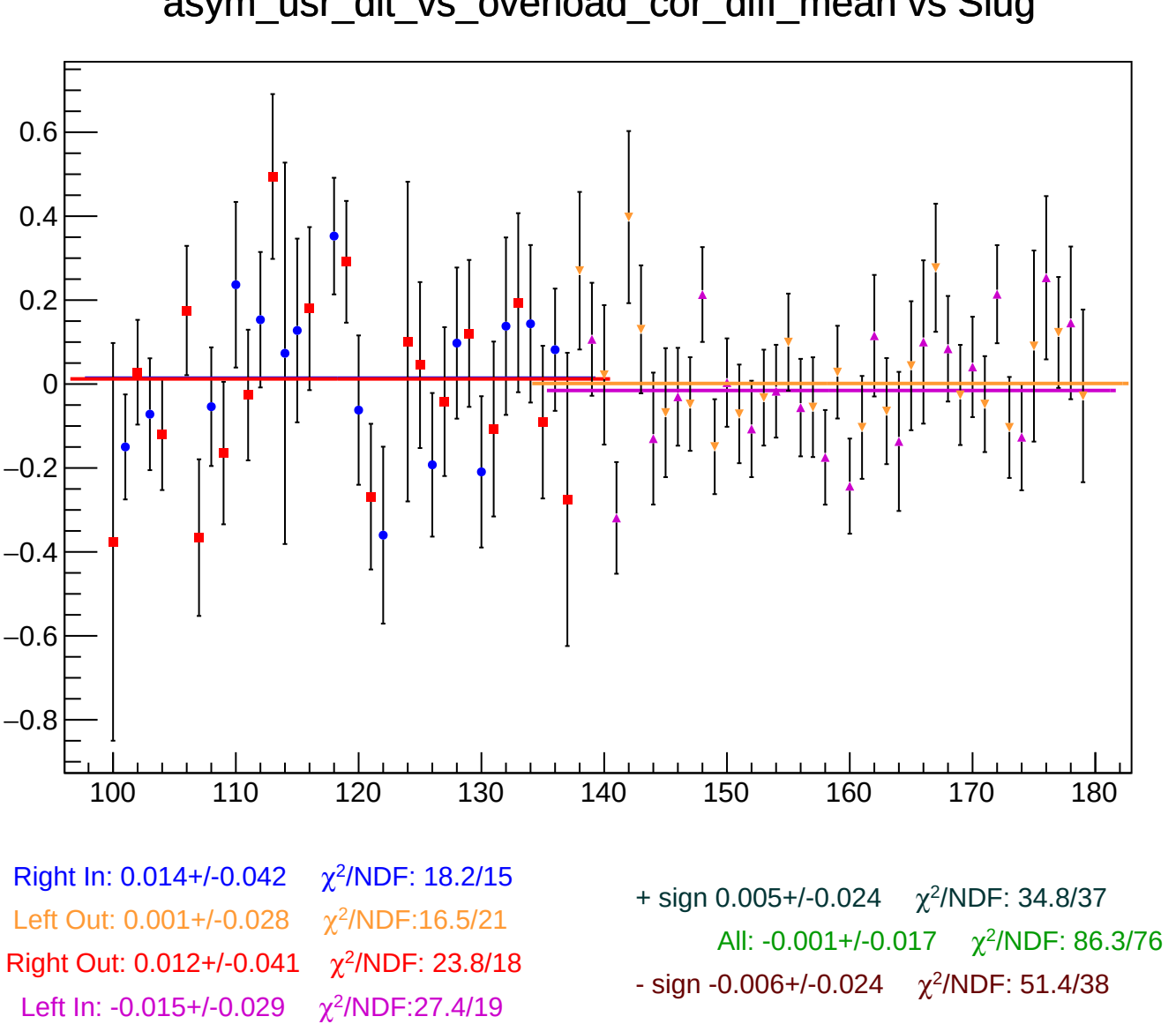
Right Out: 77.796+/-0.021 χ^2/NDF: 396477.1/18

Left In: 80.540+/-0.015 χ^2/NDF:599494.4/19

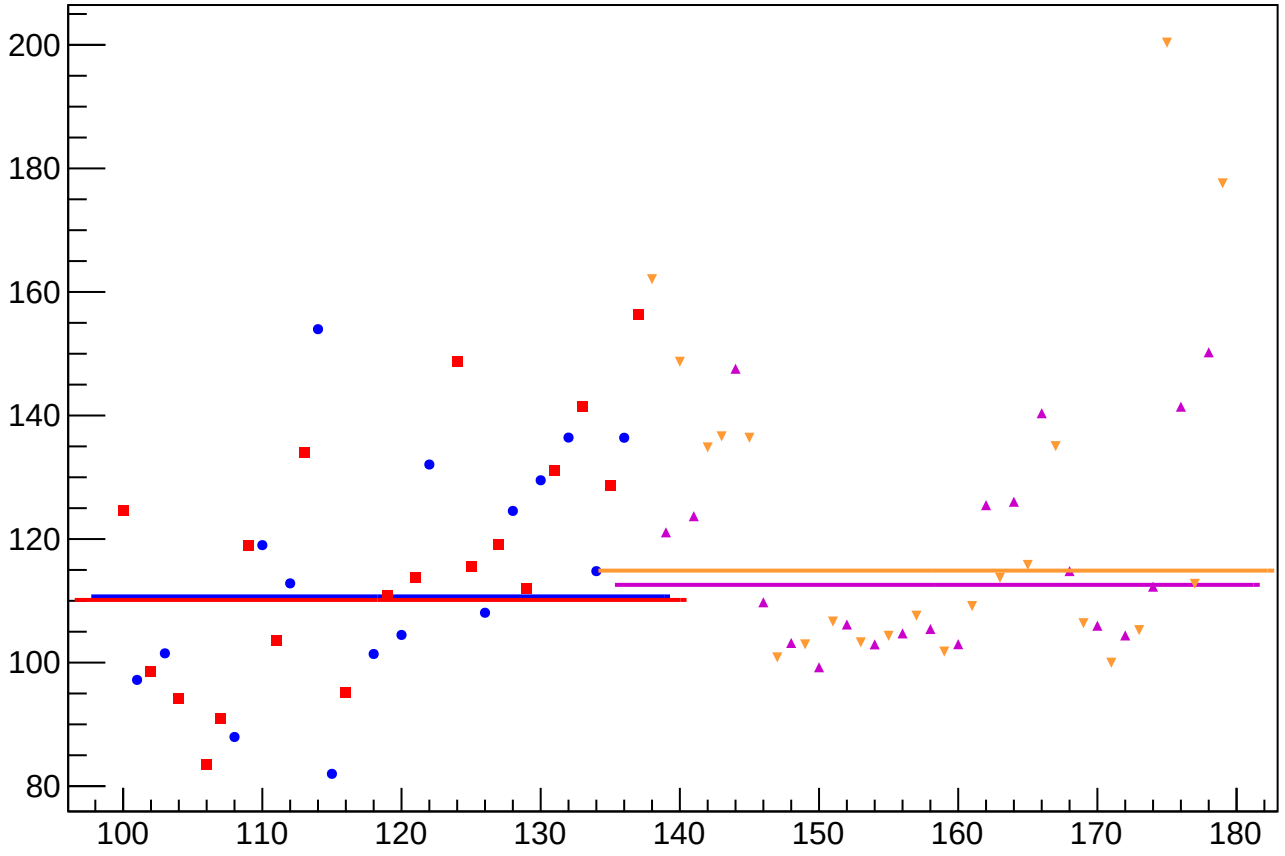
+ sign 80.758+/-0.012 χ^2/NDF: 1952551.8/37

All: 80.196+/-0.009 χ^2/NDF: 2964266.7/76

- sign 79.637+/-0.012 χ^2/NDF: 1007403.7/38


asym_usr_dit_vs_overload_cor_diff_mean vs Slug
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
110
120
130
140
150
160
170
180
Right In: 0.014+/-0.042 χ²/NDF: 18.2/15
Left Out: 0.001+/-0.028 χ²/NDF:16.5/21
Right Out: 0.012+/-0.041 χ²/NDF: 23.8/18
Left In: -0.015+/-0.029 χ²/NDF:27.4/19
+ sign 0.005+/-0.024 χ²/NDF: 34.8/37
All: -0.001+/-0.017 χ²/NDF: 86.3/76
- sign -0.006+/-0.024 χ²/NDF: 51.4/38

asym_usr_dit_vs_overload_cor_diff_rms vs Slug



Right In: 110.714+/-0.030 χ^2/NDF: 299972.8/15

Left Out: 114.893+/-0.020 χ^2/NDF:1009299.8/21

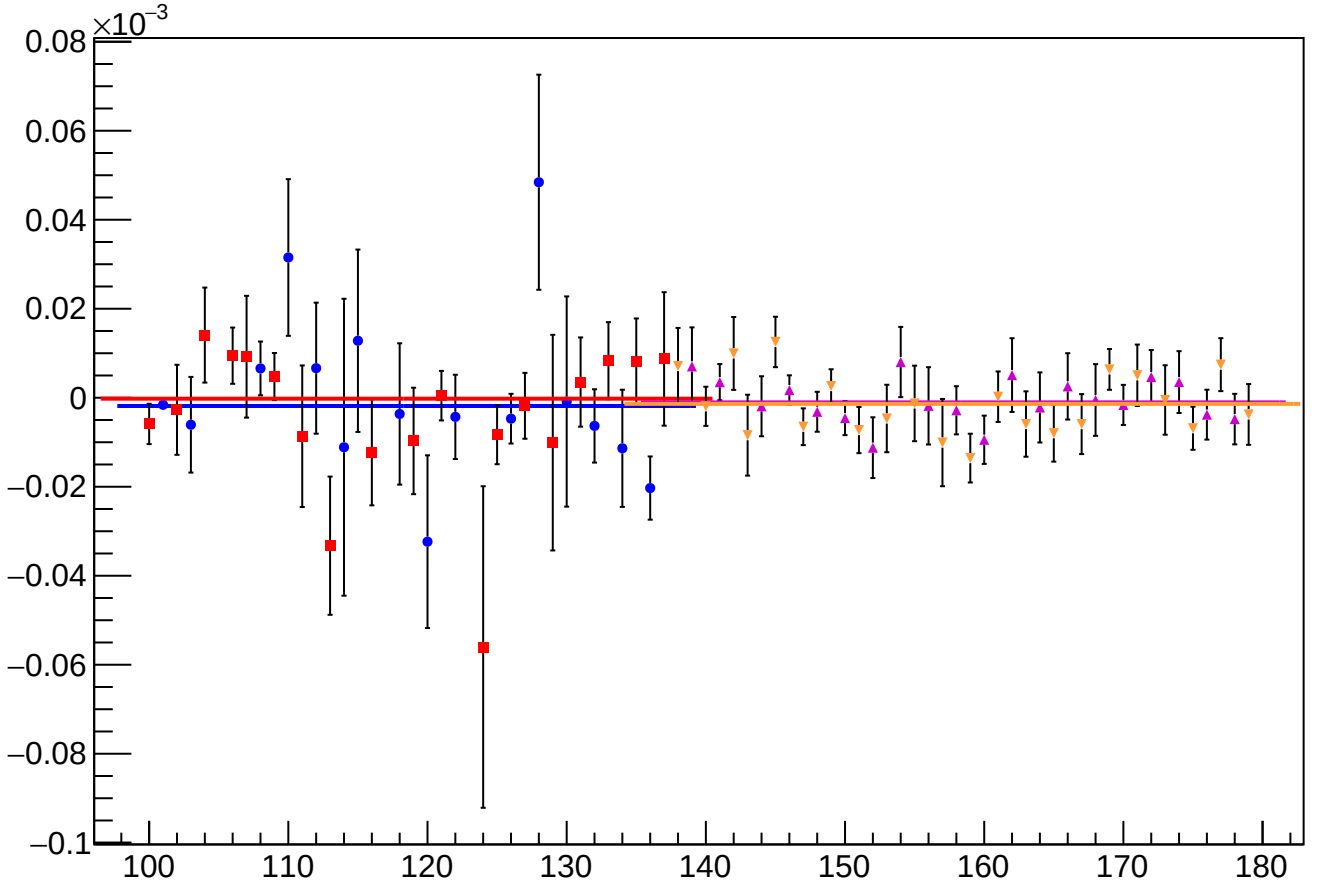
Right Out: 110.145+/-0.029 χ^2/NDF: 326726.5/18

Left In: 112.586+/-0.020 χ^2/NDF:437137.1/19

+ sign 113.593+/-0.017 χ^2/NDF: 1322737.2/37

All: 112.692+/-0.012 χ^2/NDF: 2097152.9/76

- sign 111.793+/-0.017 χ^2/NDF: 768580.9/38



Right In: -0.000+/-0.000 χ^2/NDF: 21.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:28.7/21

Right Out: -0.000+/-0.000 χ^2/NDF: 19.9/18

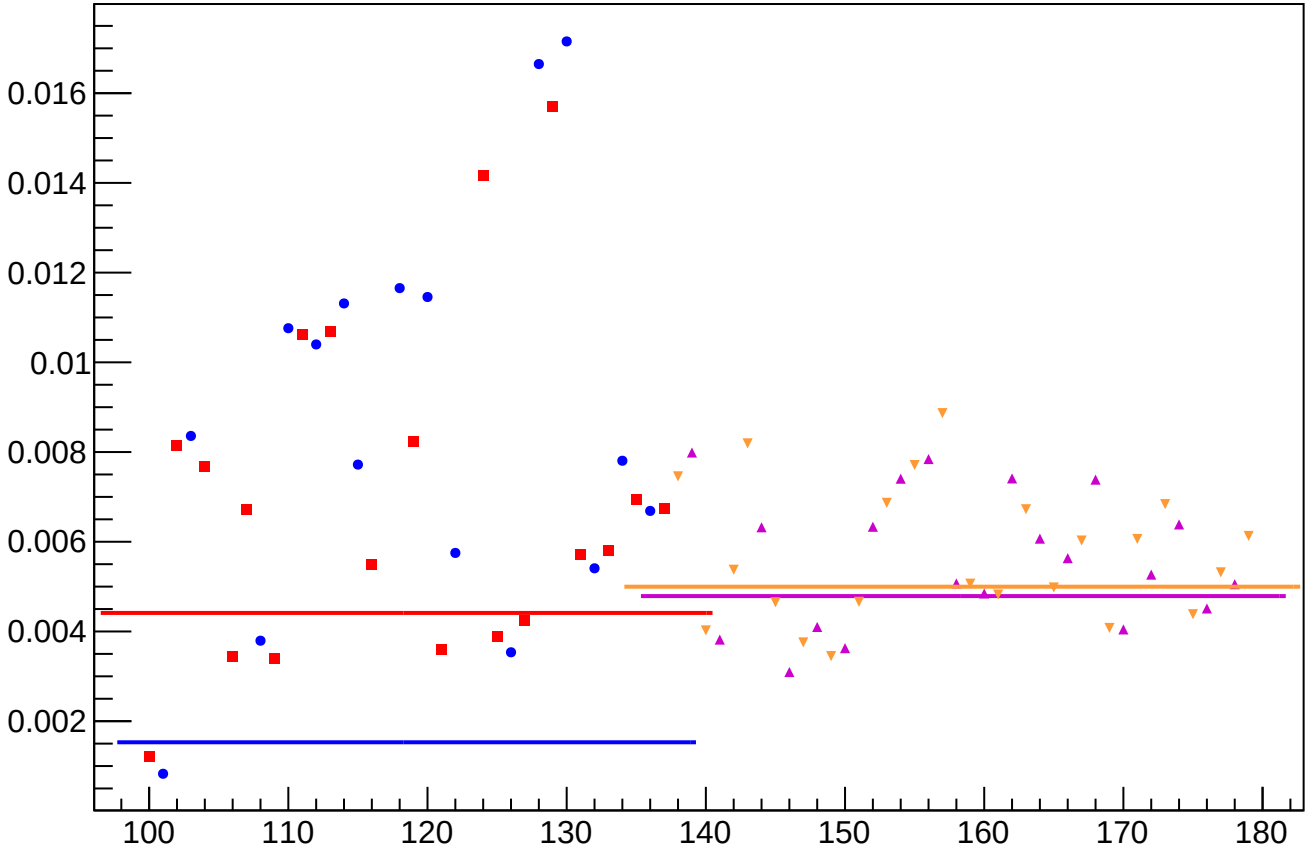
Left In: -0.000+/-0.000 χ^2/NDF:12.8/19

+ sign -0.000+/-0.000 χ^2/NDF: 50.2/37

All: -0.000+/-0.000 χ^2/NDF: 83.4/76

- sign -0.000+/-0.000 χ^2/NDF: 32.8/38

asym_usr_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 9222940.9/15

Left Out: 0.005+/-0.000 χ^2/NDF:2174619.6/21

Right Out: 0.004+/-0.000 χ^2/NDF: 3388069.5/18

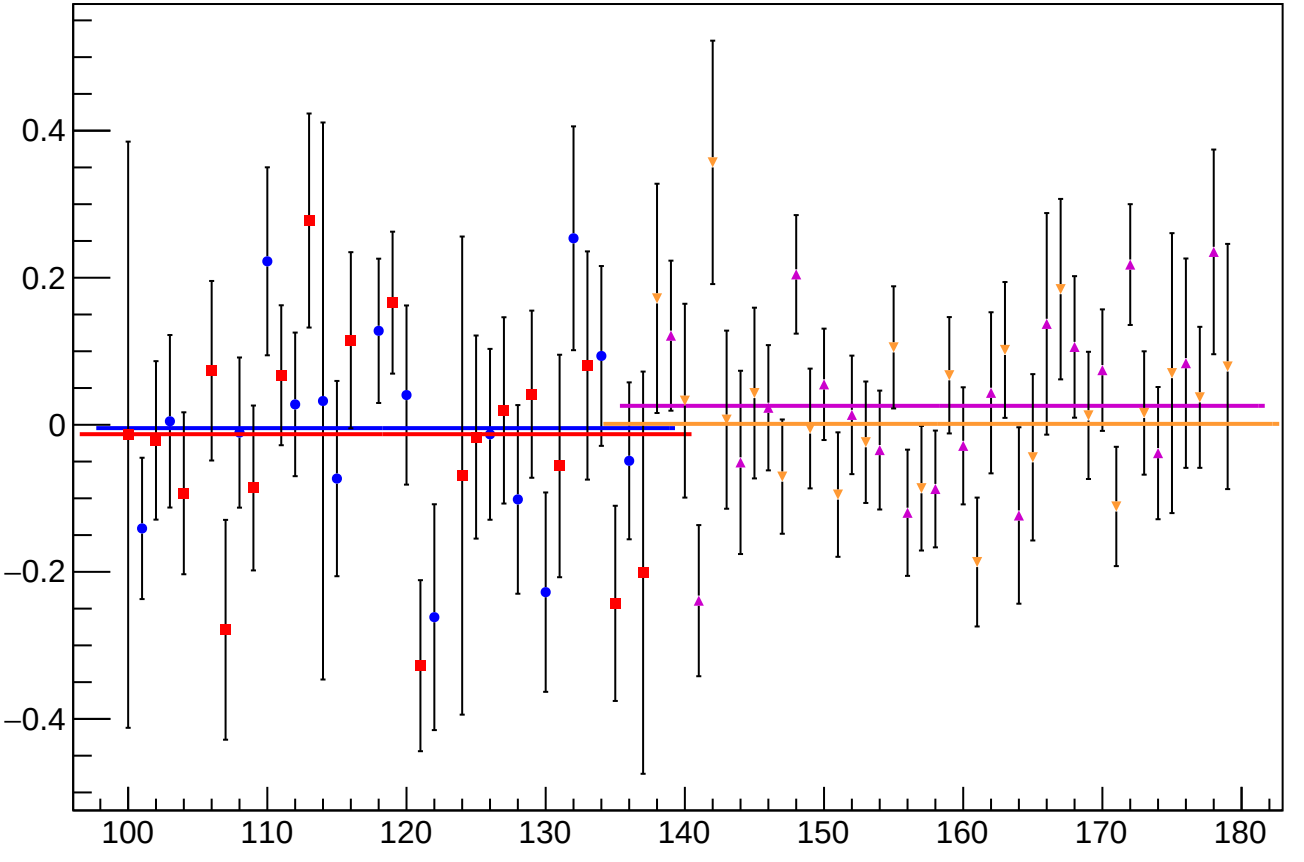
Left In: 0.005+/-0.000 χ^2/NDF:2480376.2/19

\+ sign 0.003+/-0.000 χ^2/NDF: 20967289.6/37

All: 0.003+/-0.000 χ^2/NDF: 30931958.7/76

\- sign 0.005+/-0.000 χ^2/NDF: 5922045.3/38

asym_usr_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: 0.001+/-0.021 χ^2/NDF:22.2/21

Right Out: -0.013+/-0.030 χ^2/NDF: 25.5/18

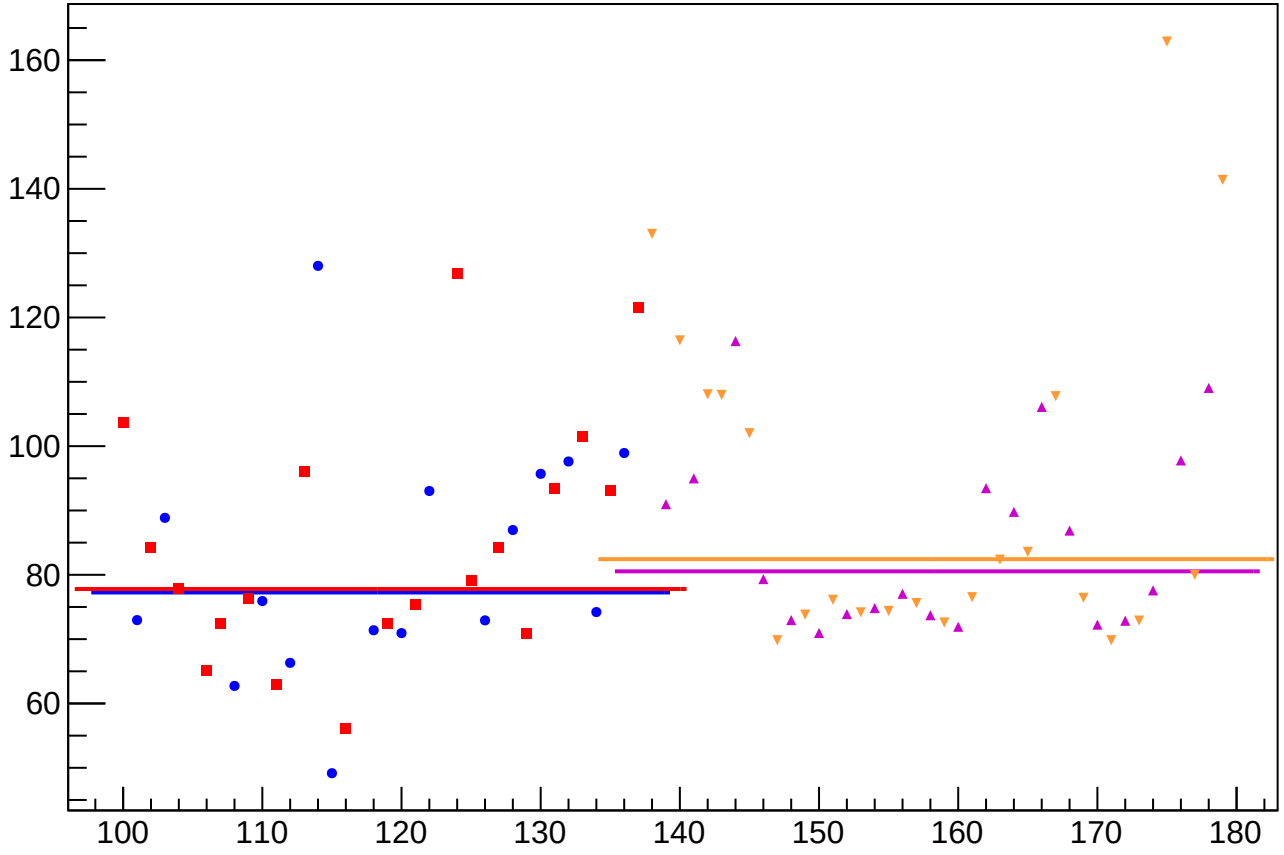
Left In: 0.026+/-0.021 χ^2/NDF:30.5/19

+ sign -0.001+/-0.017 χ^2/NDF: 39.5/37

All: 0.006+/-0.012 χ^2/NDF: 96.9/76

- sign 0.013+/-0.017 χ^2/NDF: 57.1/38

asym_usr_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 77.257+/-0.021 χ^2/NDF: 419276.8/15

Left Out: 82.431+/-0.015 χ^2/NDF:1493174.5/21

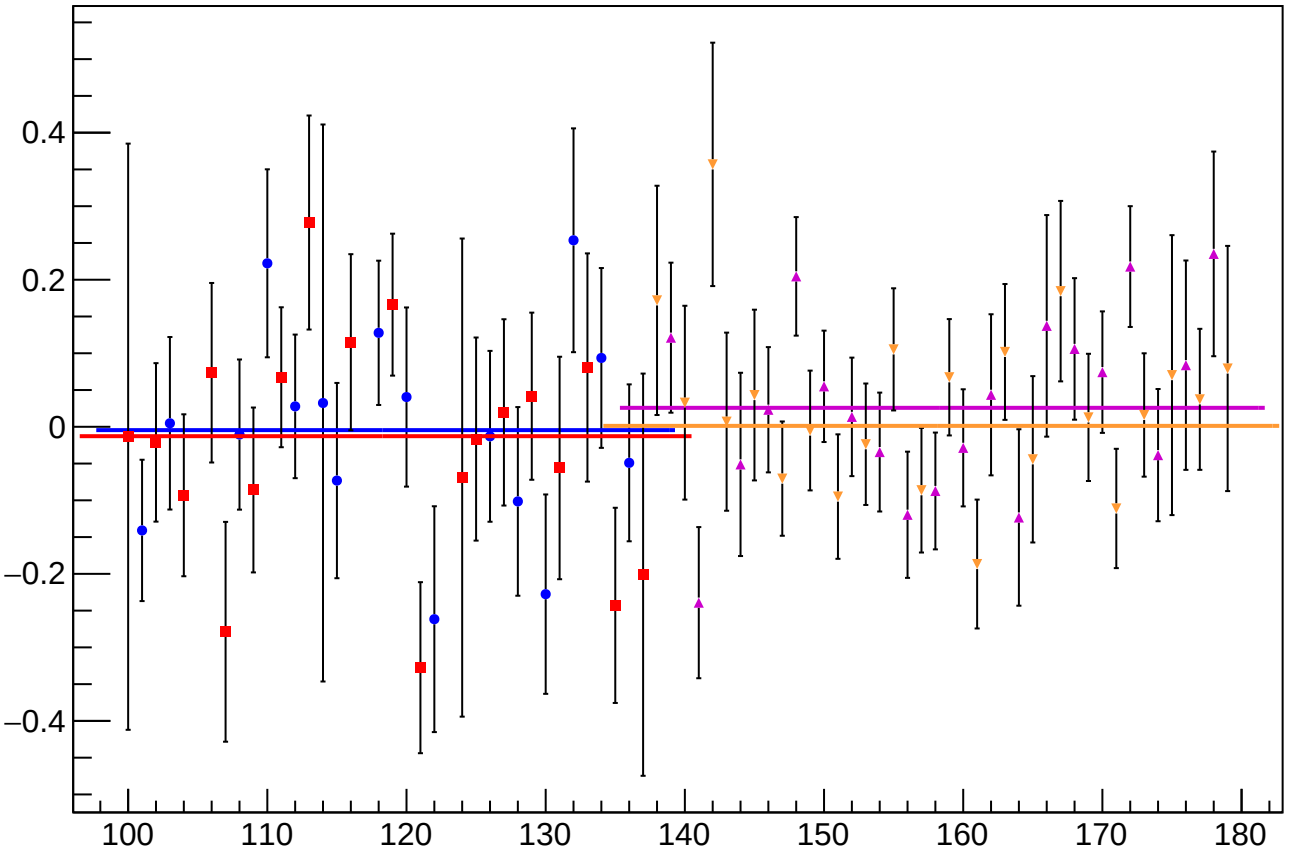
Right Out: 77.795+/-0.021 χ^2/NDF: 396473.9/18

Left In: 80.541+/-0.015 χ^2/NDF:599493.4/19

+ sign 80.758+/-0.012 χ^2/NDF: 1952564.5/37

All: 80.196+/-0.009 χ^2/NDF: 2964293.5/76

- sign 79.636+/-0.012 χ^2/NDF: 1007417.0/38



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: 0.001+/-0.021 χ^2/NDF:22.2/21

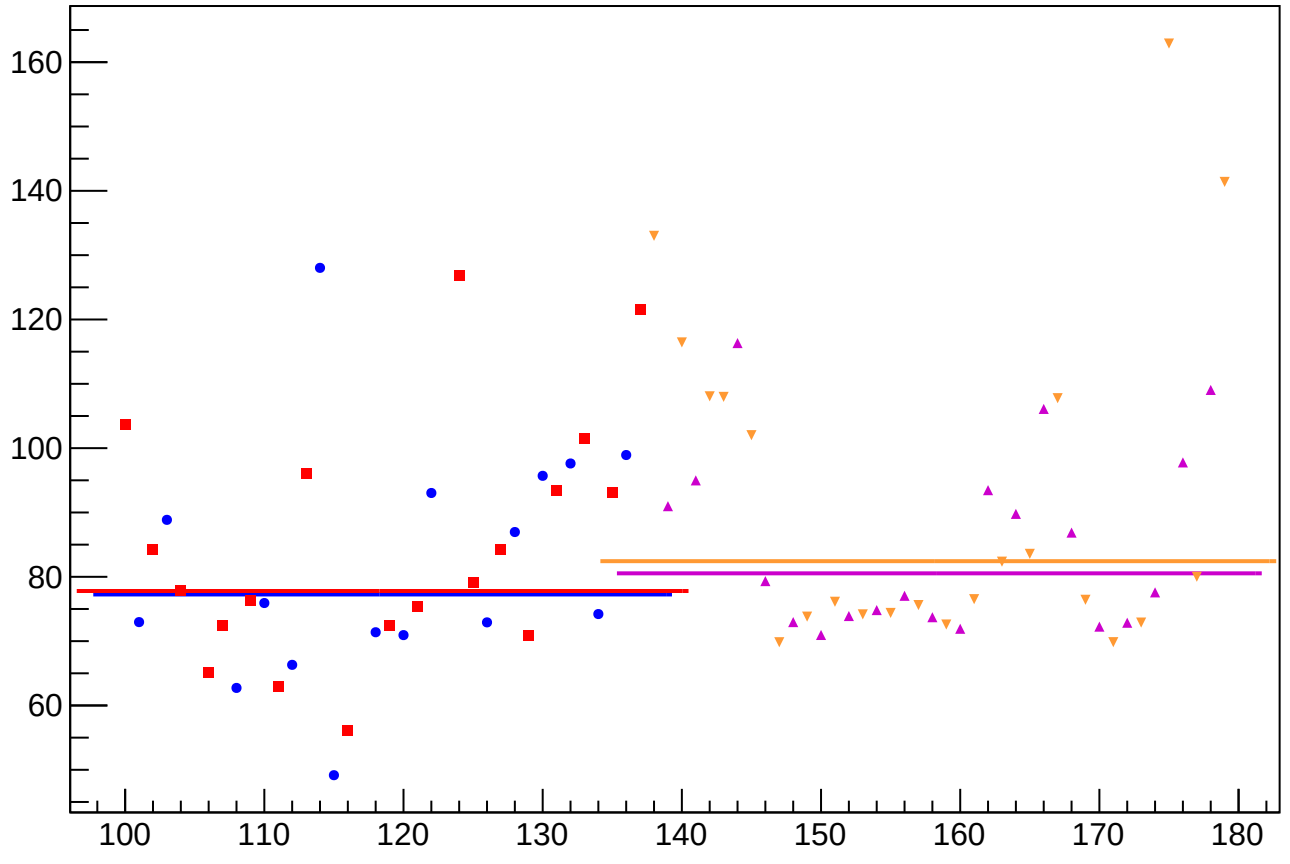
Right Out: -0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: 0.026+/-0.021 χ^2/NDF:30.5/19

+ sign -0.001+/-0.017 χ^2/NDF: 39.5/37

All: 0.006+/-0.012 χ^2/NDF: 96.9/76

- sign 0.013+/-0.017 χ^2/NDF: 57.1/38



Right In: 77.257+/-0.021 χ^2/NDF: 419276.8/15

Left Out: 82.431+/-0.015 χ^2/NDF:1493174.5/21

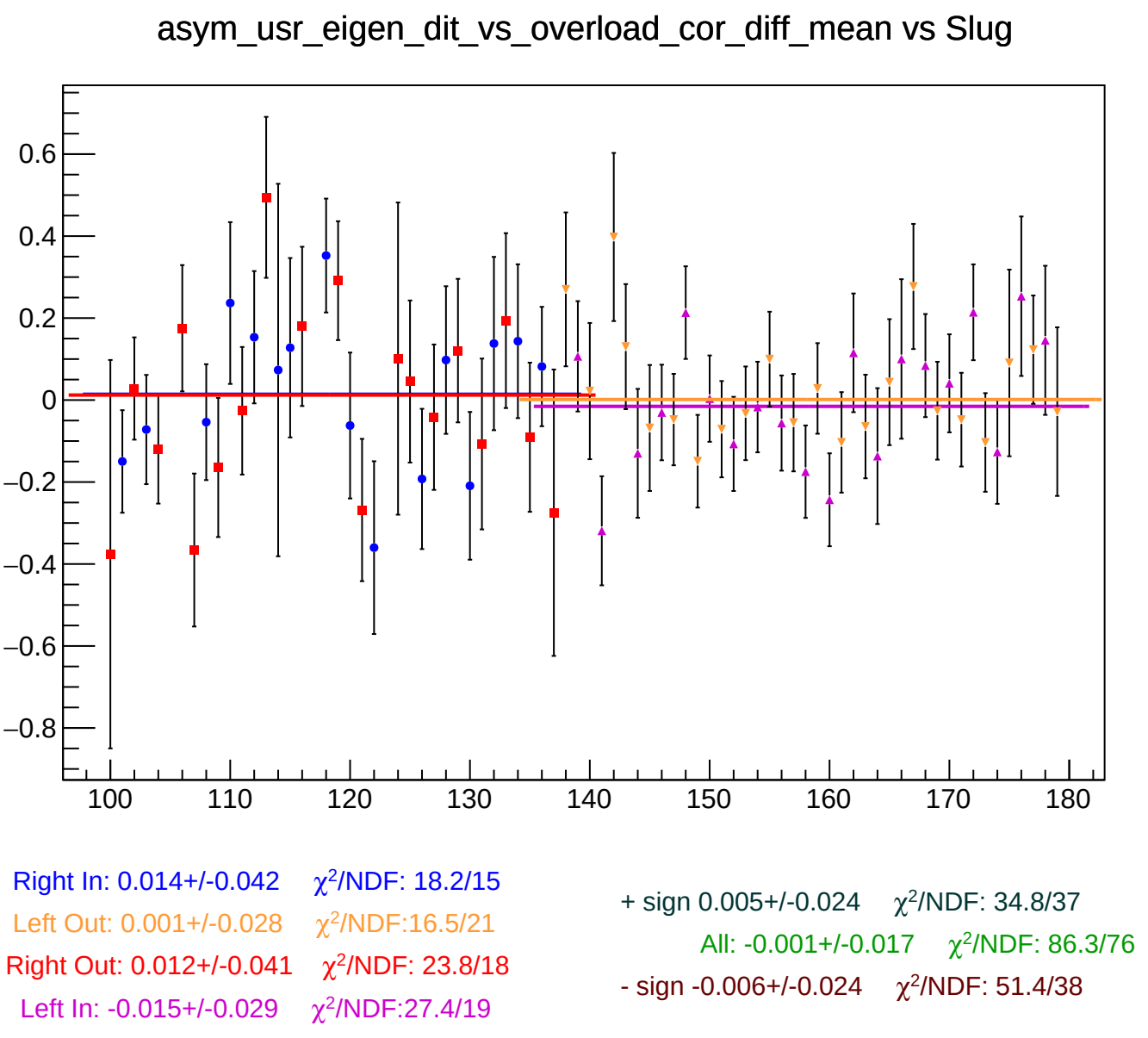
Right Out: 77.795+/-0.021 χ^2/NDF: 396473.9/18

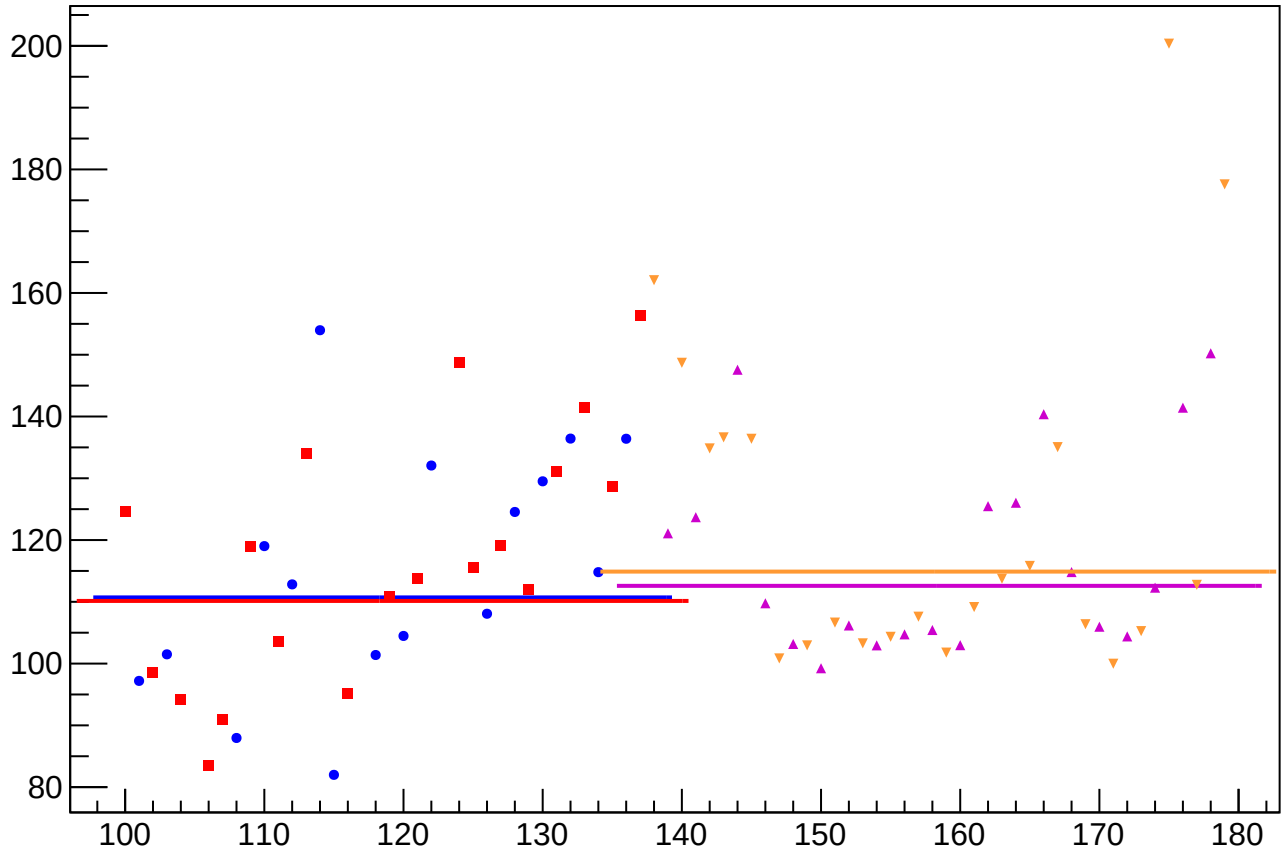
Left In: 80.541+/-0.015 χ^2/NDF:599493.4/19

+ sign 80.758+/-0.012 χ^2/NDF: 1952564.5/37

All: 80.196+/-0.009 χ^2/NDF: 2964293.5/76

- sign 79.636+/-0.012 χ^2/NDF: 1007417.0/38


asym_usr_eigen_dit_vs_overload_cor_diff_mean vs Slug
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
110
120
130
140
150
160
170
180
Right In: 0.014+/-0.042 χ²/NDF: 18.2/15
Left Out: 0.001+/-0.028 χ²/NDF:16.5/21
Right Out: 0.012+/-0.041 χ²/NDF: 23.8/18
Left In: -0.015+/-0.029 χ²/NDF:27.4/19
+ sign 0.005+/-0.024 χ²/NDF: 34.8/37
All: -0.001+/-0.017 χ²/NDF: 86.3/76
- sign -0.006+/-0.024 χ²/NDF: 51.4/38



Right In: 110.714+/-0.030 χ^2/NDF: 299948.2/15

Left Out: 114.894+/-0.020 χ^2/NDF:1009294.4/21

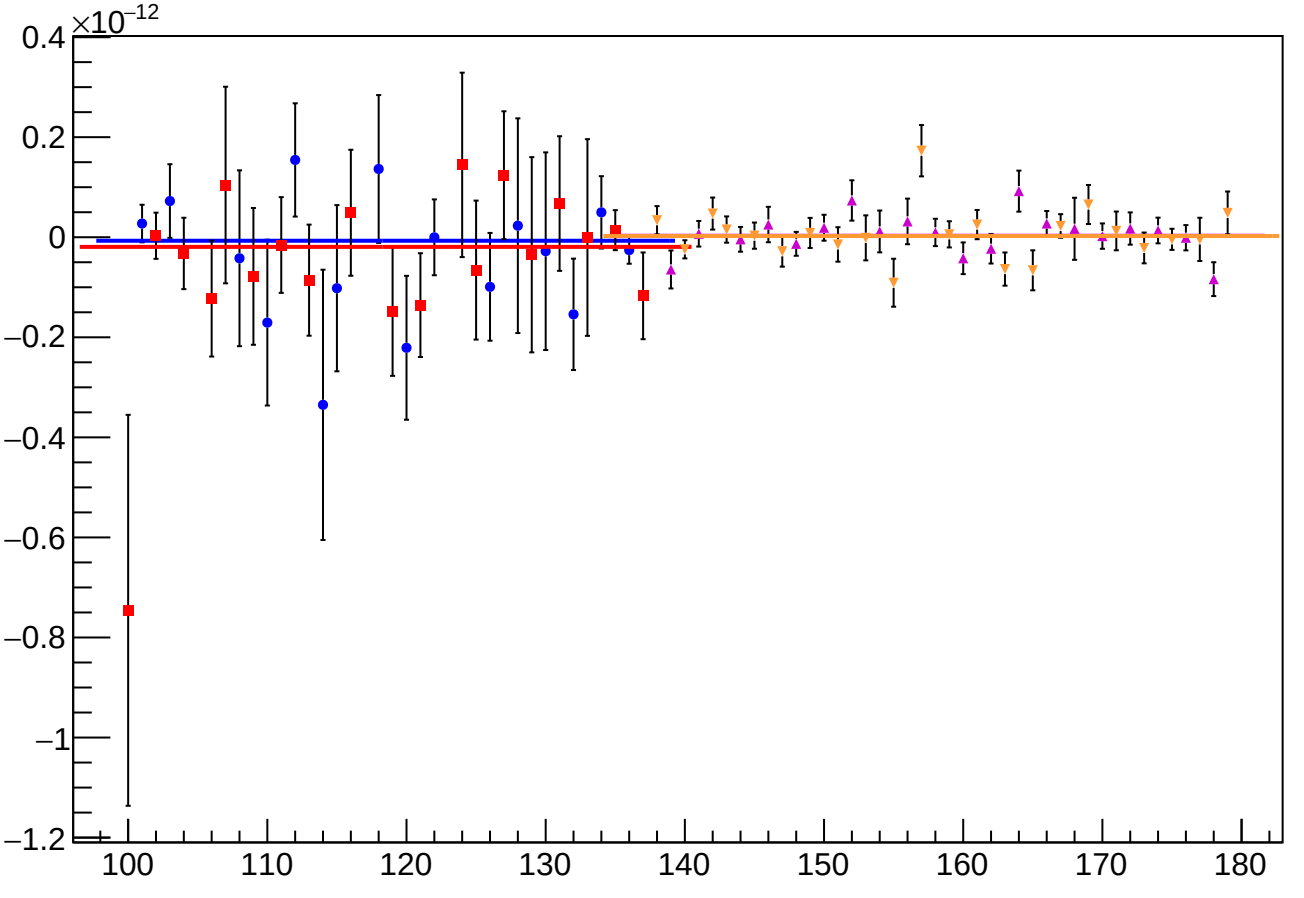
Right Out: 110.144+/-0.029 χ^2/NDF: 326696.7/18

Left In: 112.587+/-0.020 χ^2/NDF:437138.4/19

+ sign 113.593+/-0.017 χ^2/NDF: 1322716.3/37

All: 112.692+/-0.012 χ^2/NDF: 2097108.1/76

- sign 111.793+/-0.017 χ^2/NDF: 768556.7/38



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

Left Out: 0.000+/-0.000 χ^2/NDF:34.5/21

Right Out: -0.000+/-0.000 χ^2/NDF: 12.6/18

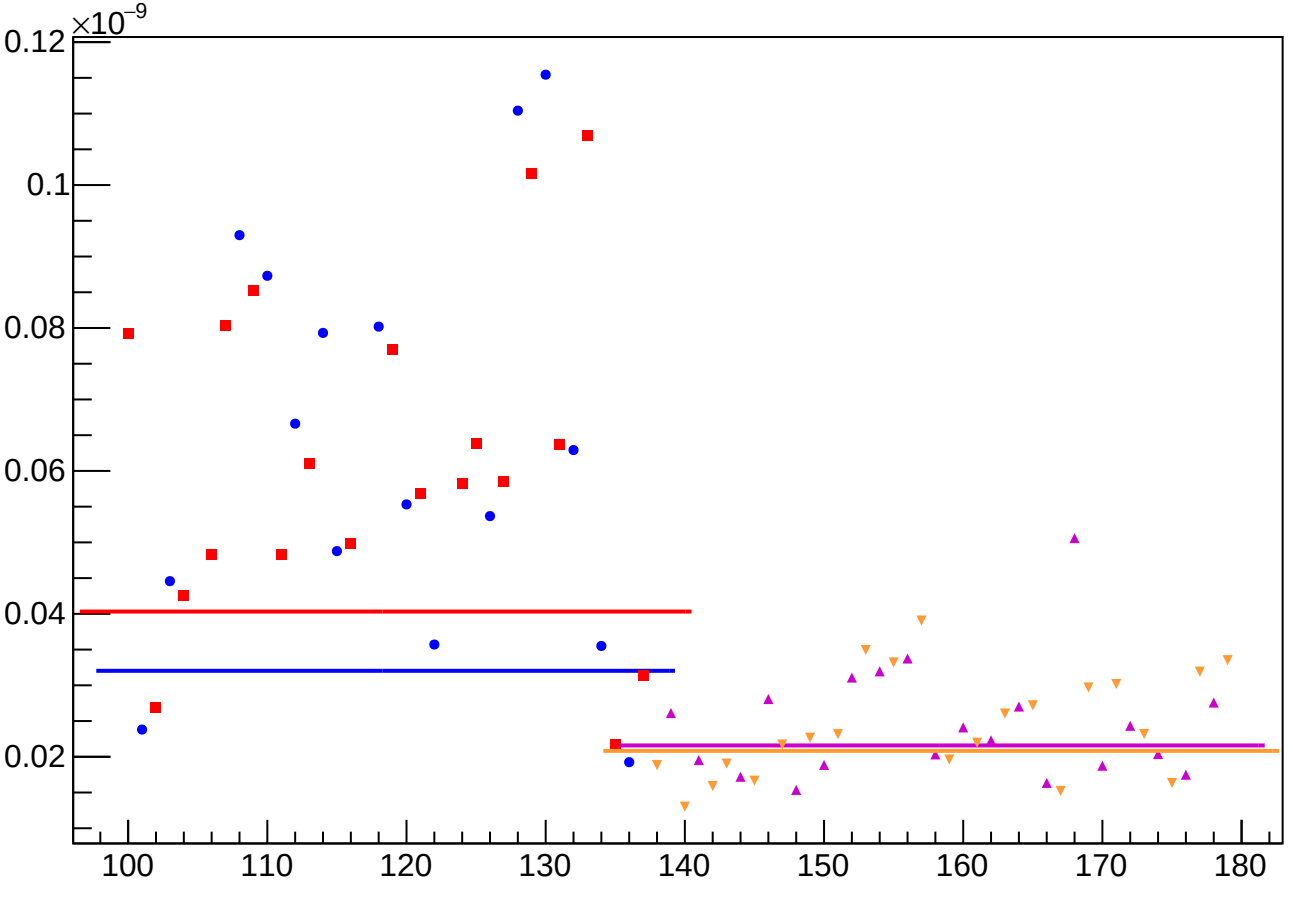
Left In: 0.000+/-0.000 χ^2/NDF:23.6/19

+ sign 0.000+/-0.000 χ^2/NDF: 48.4/37

All: 0.000+/-0.000 χ^2/NDF: 85.6/76

- sign 0.000+/-0.000 χ^2/NDF: 37.2/38

asym_usr_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2459312.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1940645.3/21

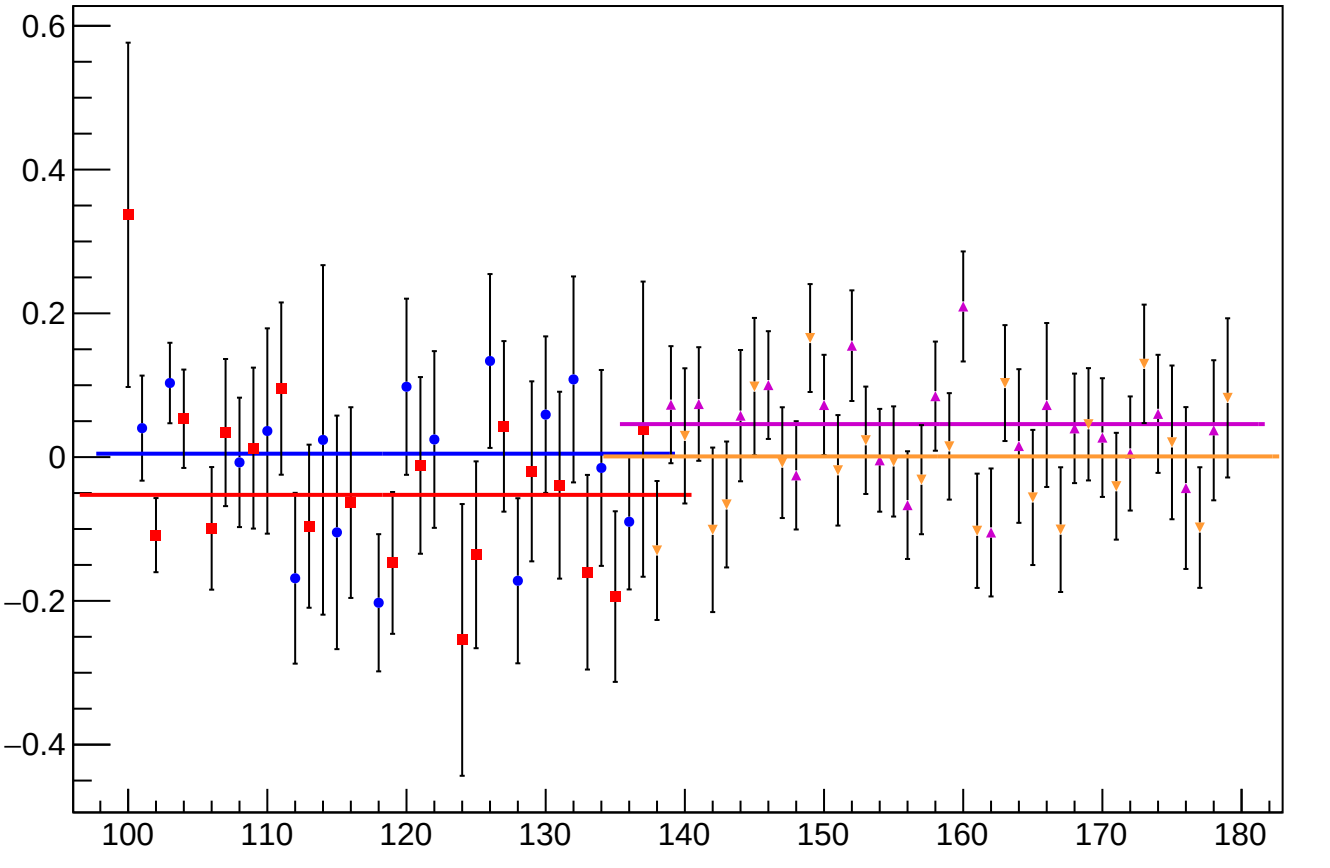
Right Out: 0.000+/-0.000 χ^2/NDF: 1866332.6/18

Left In: 0.000+/-0.000 χ^2/NDF:1444277.0/19

+ sign 0.000+/-0.000 χ^2/NDF: 5092527.2/37

All: 0.000+/-0.000 χ^2/NDF: 9869209.9/76

- sign 0.000+/-0.000 χ^2/NDF: 4738779.1/38



Right In: 0.005+/-0.026 χ^2/NDF: 16.6/15

Left Out: 0.001+/-0.018 χ^2/NDF:19.6/21

Right Out: -0.053+/-0.024 χ^2/NDF: 14.8/18

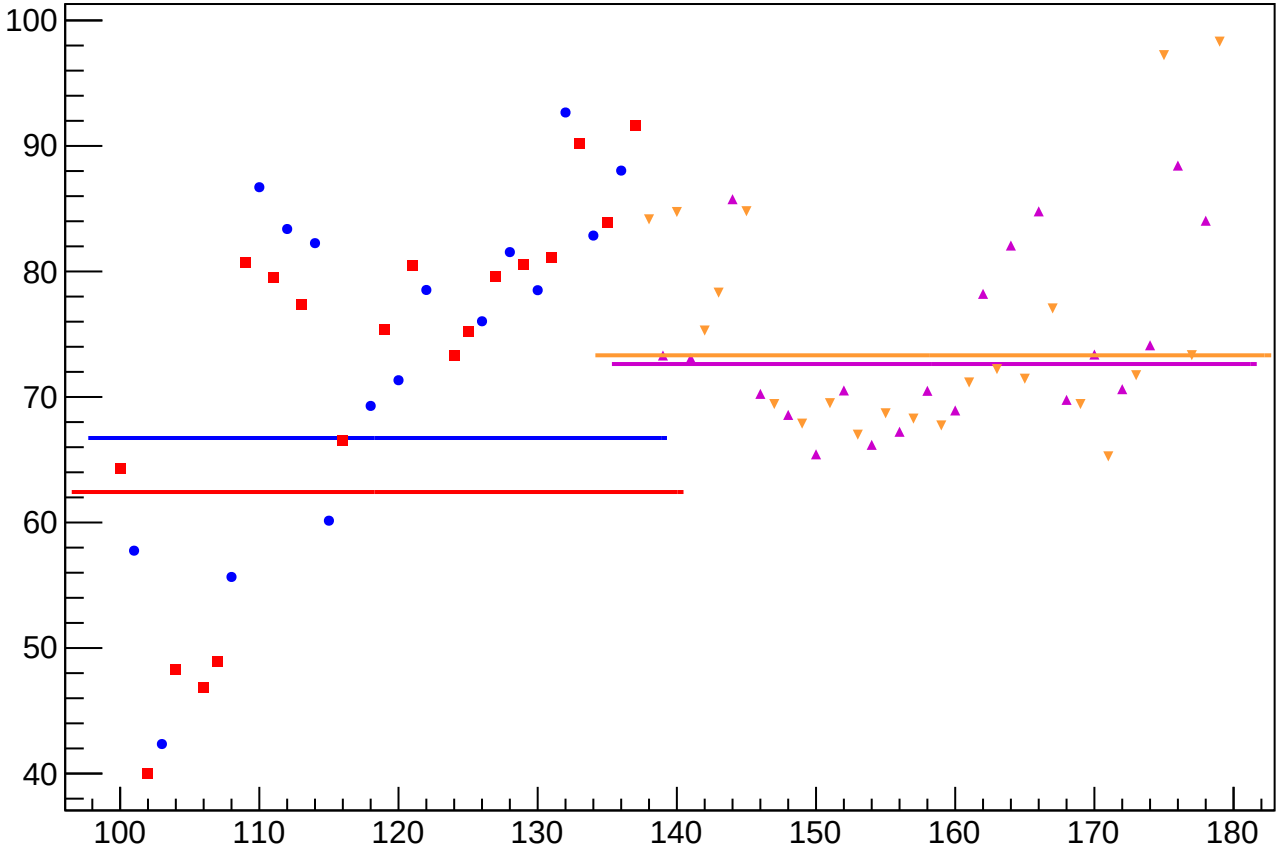
Left In: 0.046+/-0.018 χ^2/NDF:15.4/19

+ sign 0.002+/-0.015 χ^2/NDF: 36.3/37

All: 0.006+/-0.010 χ^2/NDF: 77.2/76

- sign 0.010+/-0.015 χ^2/NDF: 40.8/38

asym_usr_overload_cor_vs_cor_diff_rms vs Slug



Right In: 66.732+/-0.018 χ^2/NDF: 816752.6/15

Left Out: 73.321+/-0.013 χ^2/NDF:390197.7/21

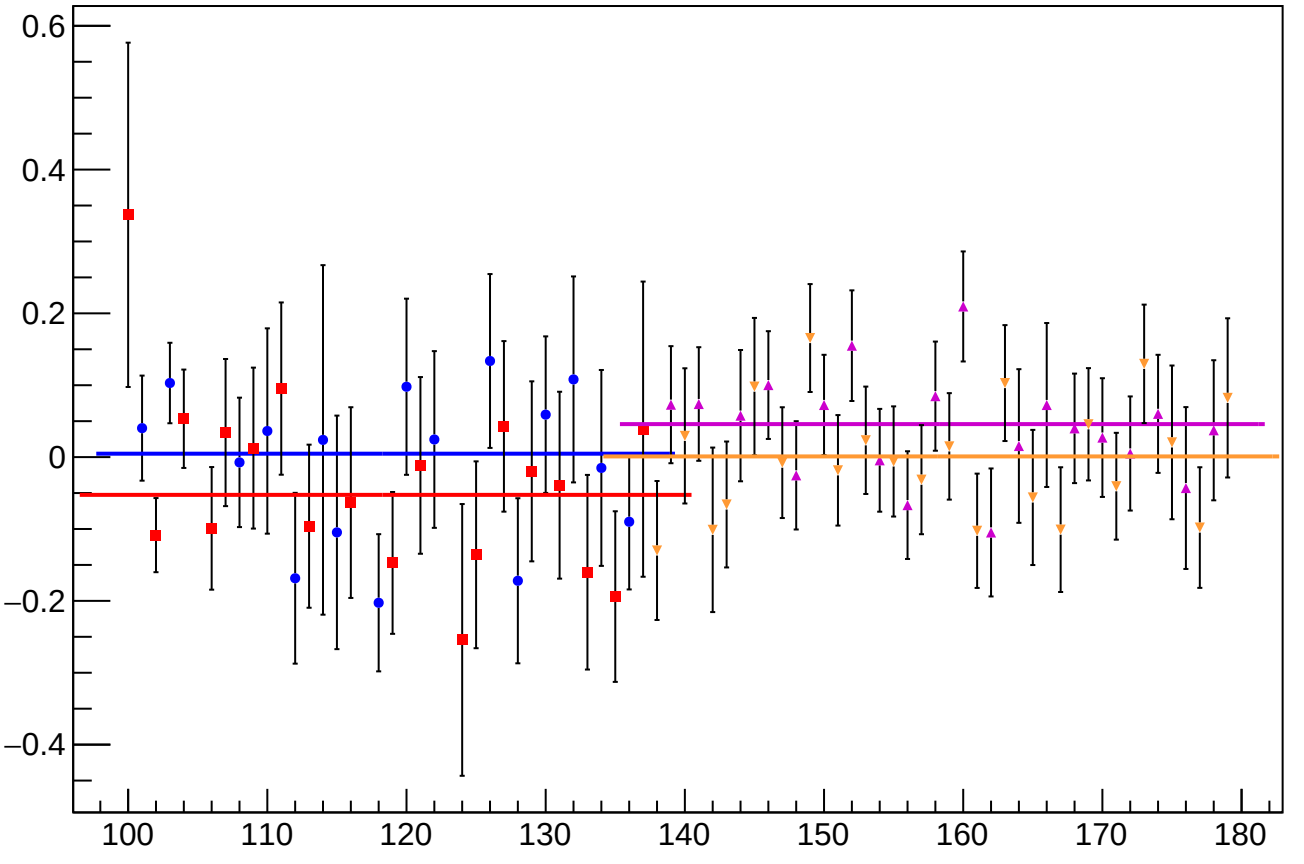
Right Out: 62.429+/-0.017 χ^2/NDF: 1114078.0/18

Left In: 72.626+/-0.013 χ^2/NDF:222918.2/19

+ sign 71.189+/-0.010 χ^2/NDF: 1294507.4/37

All: 70.027+/-0.007 χ^2/NDF: 2883161.8/76

- sign 68.887+/-0.010 χ^2/NDF: 1563994.5/38



Right In: 0.005+/-0.026 χ^2/NDF: 16.6/15

Left Out: 0.001+/-0.018 χ^2/NDF:19.6/21

Right Out: -0.053+/-0.024 χ^2/NDF: 14.8/18

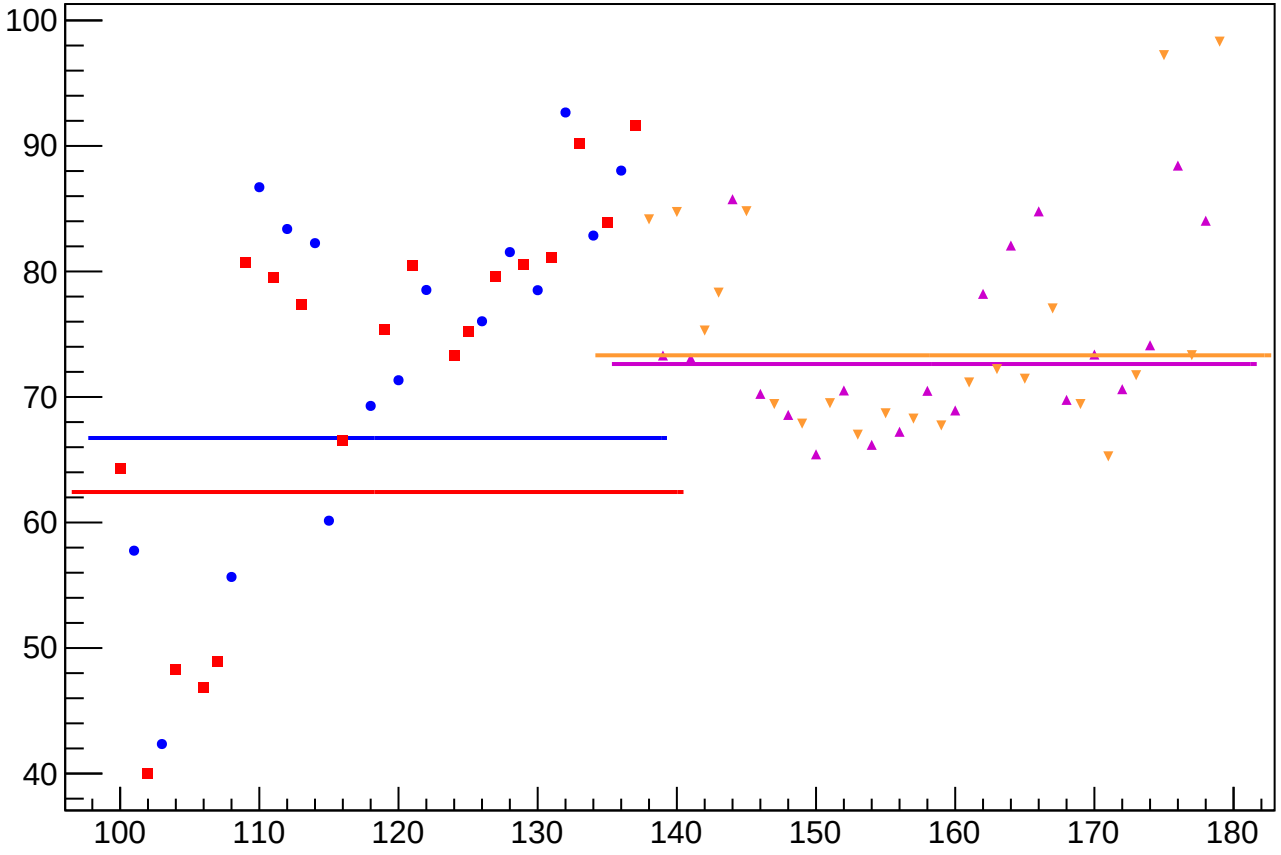
Left In: 0.046+/-0.018 χ^2/NDF:15.4/19

+ sign 0.002+/-0.015 χ^2/NDF: 36.3/37

All: 0.006+/-0.010 χ^2/NDF: 77.2/76

- sign 0.010+/-0.015 χ^2/NDF: 40.8/38

asym_usr_overload_cor_vs_eigen_cor_diff_rms vs Slug



Right In: 66.732+/-0.018 χ^2/NDF: 816752.6/15

Left Out: 73.321+/-0.013 χ^2/NDF:390197.7/21

Right Out: 62.429+/-0.017 χ^2/NDF: 1114078.0/18

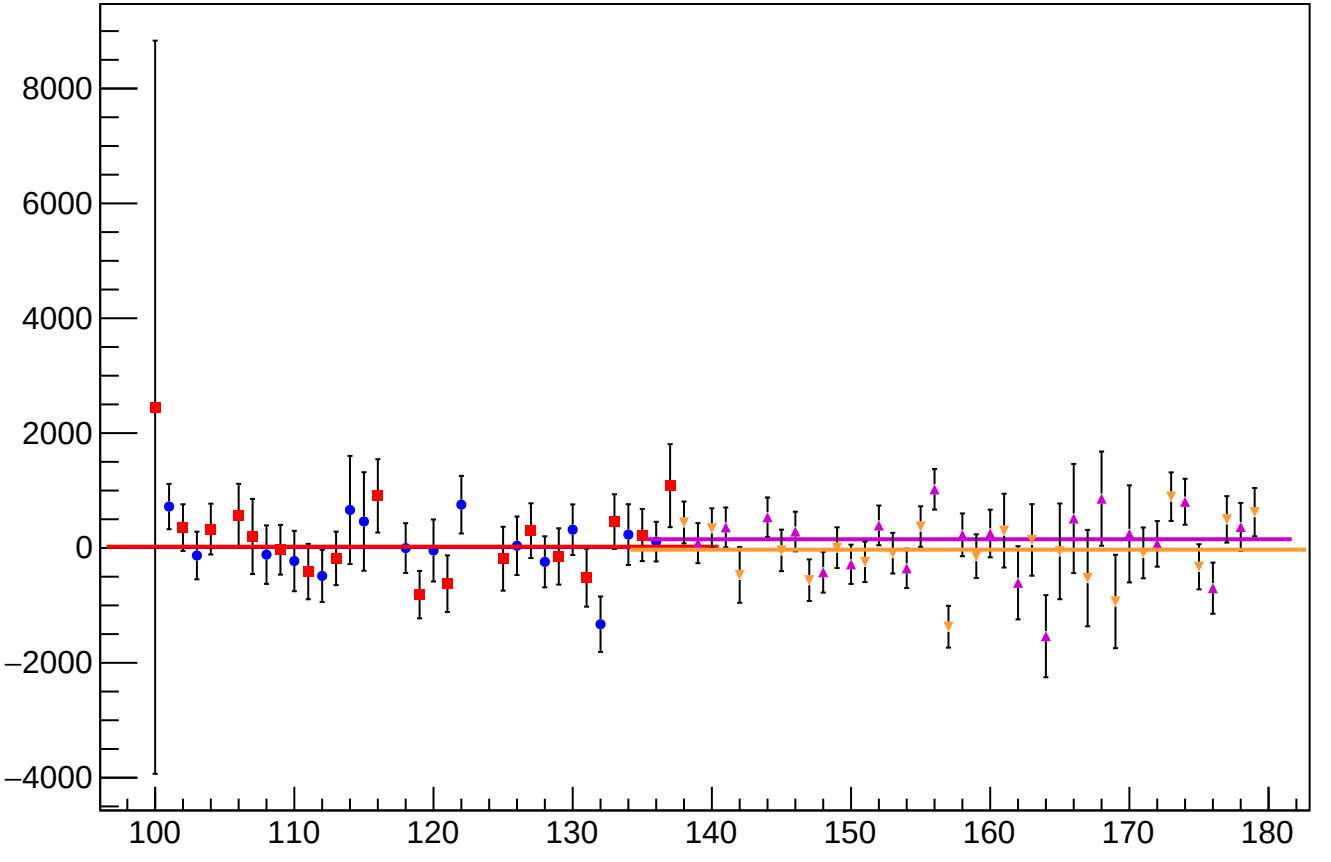
Left In: 72.626+/-0.013 χ^2/NDF:222918.2/19

+ sign 71.189+/-0.010 χ^2/NDF: 1294507.4/37

All: 70.027+/-0.007 χ^2/NDF: 2883161.8/76

- sign 68.887+/-0.010 χ^2/NDF: 1563994.5/38

asym_dsl_mean vs Slug



Right In: 15.517+/-119.431 χ^2/NDF: 16.5/15

Left Out: -29.566+/-91.254 χ^2/NDF:32.6/20

Right Out: 22.145+/-119.211 χ^2/NDF: 16.0/17

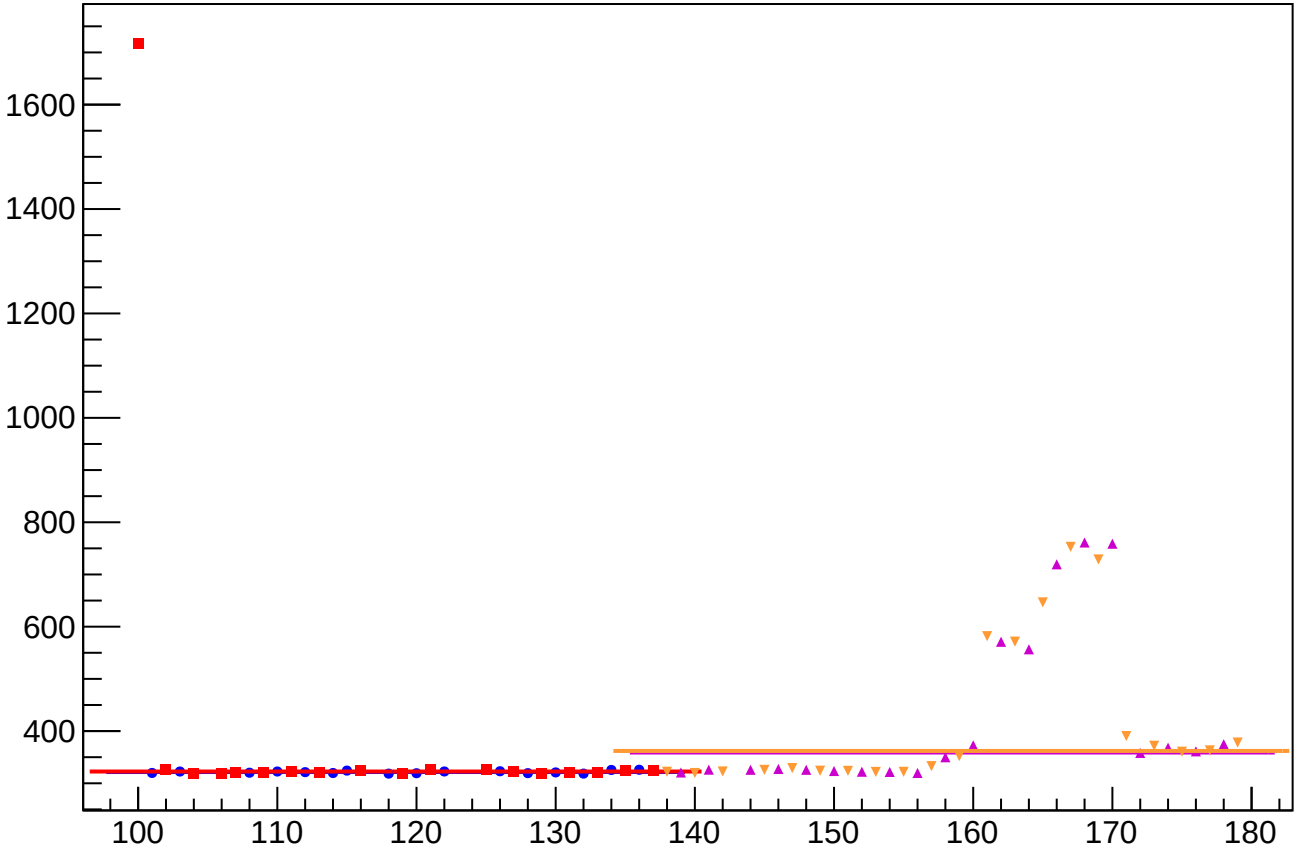
Left In: 151.830+/-91.438 χ^2/NDF:29.4/19

\+ sign -12.948+/-72.510 χ^2/NDF: 49.2/36

All: 45.388+/-51.288 χ^2/NDF: 96.6/74

\- sign 103.794+/-72.553 χ^2/NDF: 46.1/37

asym_dsl_rms vs Slug



Right In: 321.604+/-0.084 χ^2/NDF: 822.9/15

Left Out: 361.969+/-0.065 χ^2/NDF:1762008.4/20

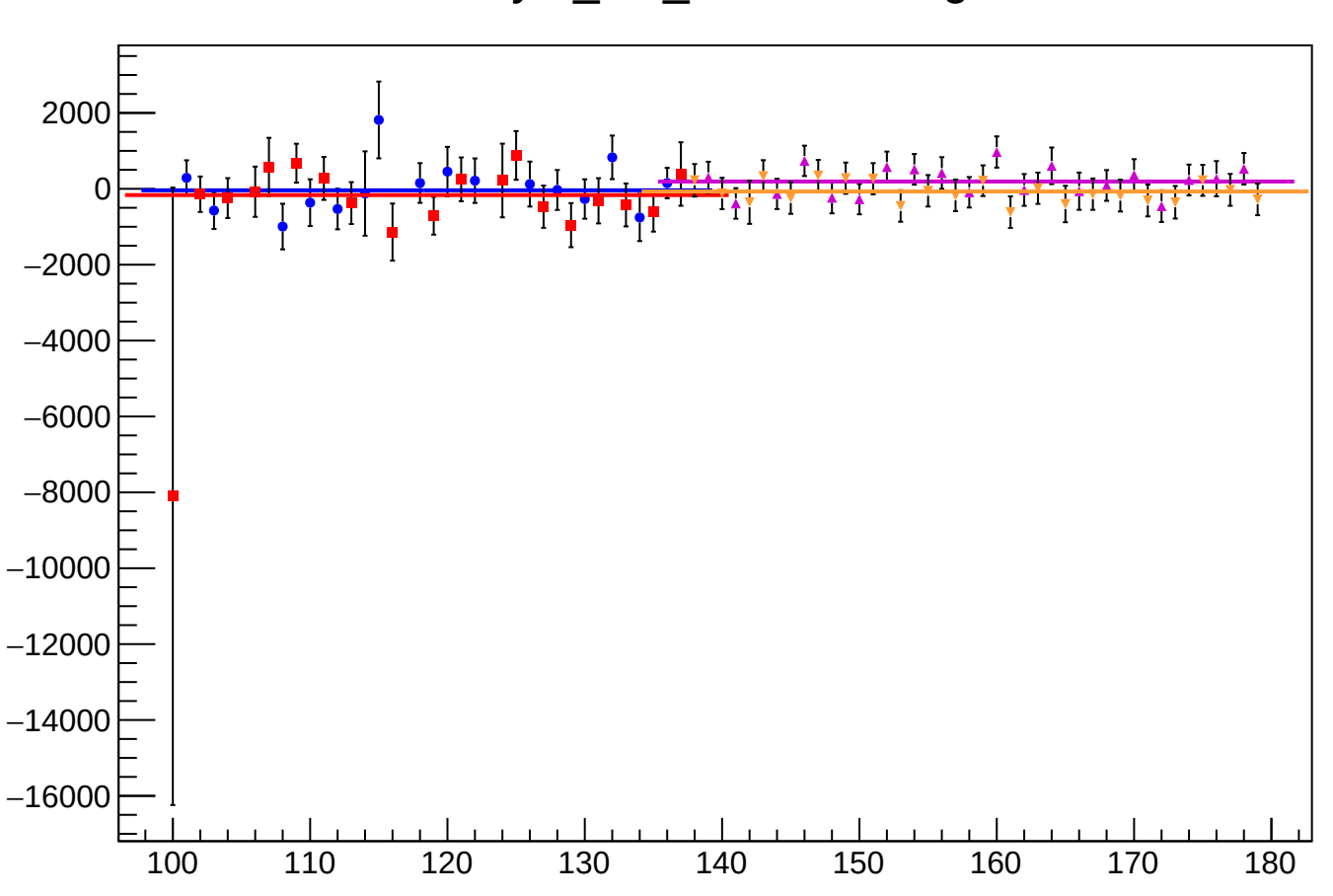
Right Out: 322.553+/-0.084 χ^2/NDF: 96891.9/17

Left In: 358.935+/-0.065 χ^2/NDF:1785007.3/19

\+ sign 347.090+/-0.051 χ^2/NDF: 1907078.5/36

All: 346.275+/-0.036 χ^2/NDF: 3906764.2/74

\- sign 345.459+/-0.051 χ^2/NDF: 1999179.7/37



Right In: -38.914+/-140.720 χ^2/NDF: 13.7/15

Left Out: -70.031+/-90.147 χ^2/NDF:9.5/21

Right Out: -164.639+/-138.962 χ^2/NDF: 15.1/18

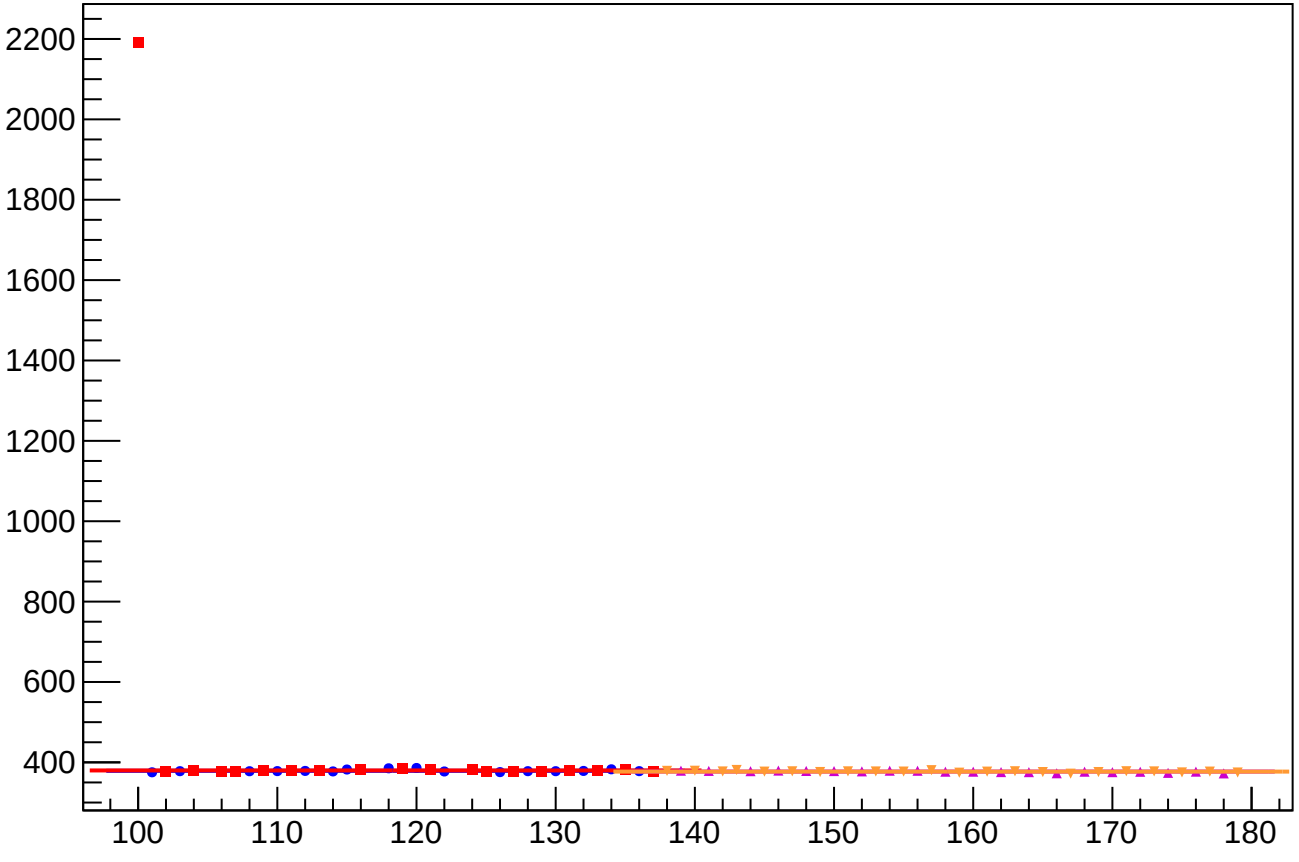
Left In: 192.817+/-93.270 χ^2/NDF:17.6/19

+ sign -60.977+/-75.907 χ^2/NDF: 23.3/37

All: 8.981+/-54.209 χ^2/NDF: 62.2/76

- sign 81.798+/-77.443 χ^2/NDF: 37.2/38

asym_dsr_rms vs Slug



Right In: 378.910+/-0.100 χ^2/NDF: 851.2/15

Left Out: 376.993+/-0.064 χ^2/NDF:1001.7/21

Right Out: 379.878+/-0.098 χ^2/NDF: 99621.5/18

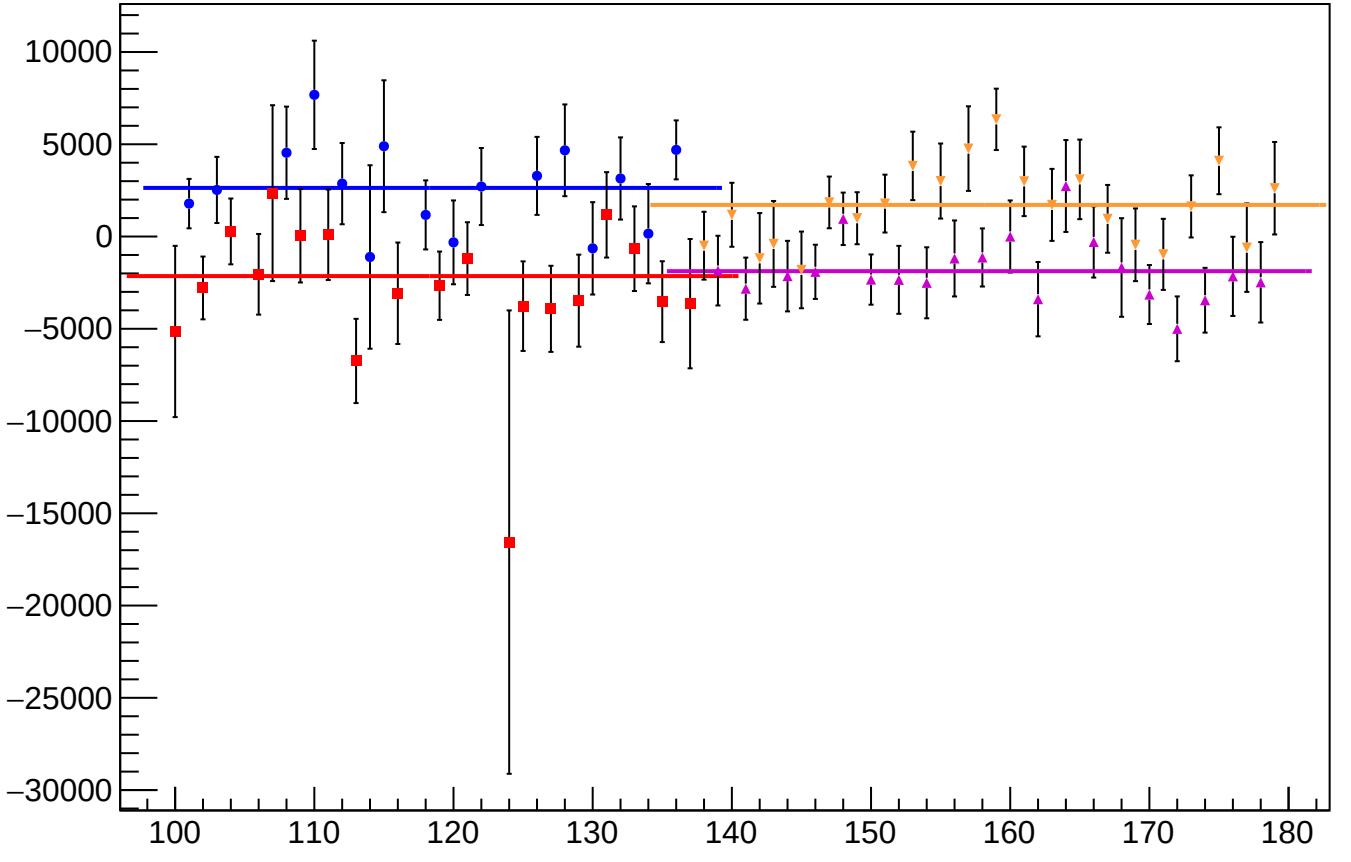
Left In: 377.069+/-0.066 χ^2/NDF:916.1/19

+ sign 377.551+/-0.054 χ^2/NDF: 2116.1/37

All: 377.742+/-0.038 χ^2/NDF: 103243.0/76

- sign 377.942+/-0.055 χ^2/NDF: 101100.9/38

asym_us_agg_avg_mean vs Slug



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

Left Out: 1712.307+/-398.805 χ^2/NDF:25.1/21

Right Out: -2144.569+/-546.963 χ^2/NDF: 15.0/18

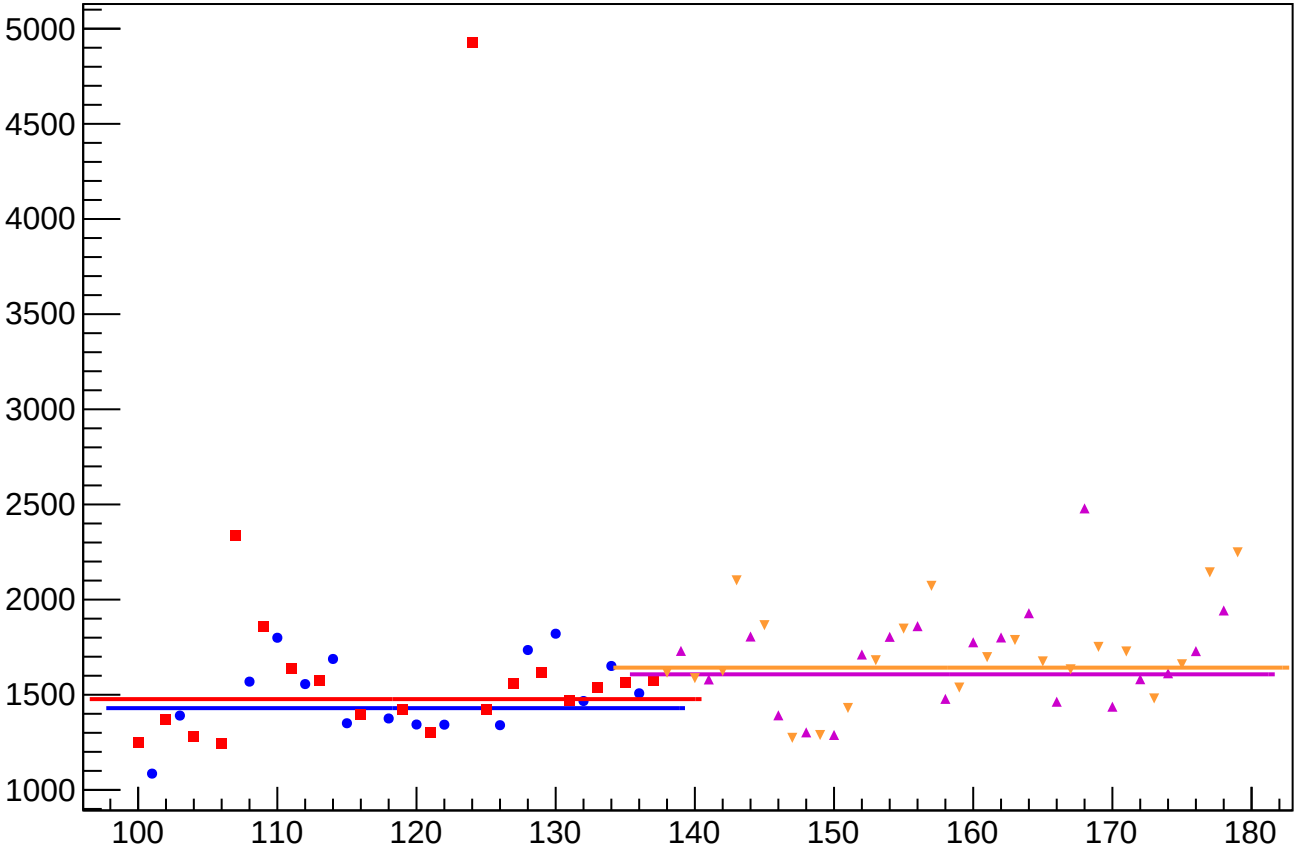
Left In: -1877.120+/-403.104 χ^2/NDF:15.2/19

+ sign 2039.630+/-320.388 χ^2/NDF: 39.3/37

All: 59.755+/-227.988 χ^2/NDF: 147.1/76

- sign -1971.255+/-324.499 χ^2/NDF: 30.4/38

asym_us_agg_avg_rms vs Slug



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

Left Out: 1642.545+/-0.282 χ^2/NDF:750180.6/21

Right Out: 1477.126+/-0.387 χ^2/NDF: 369430.6/18

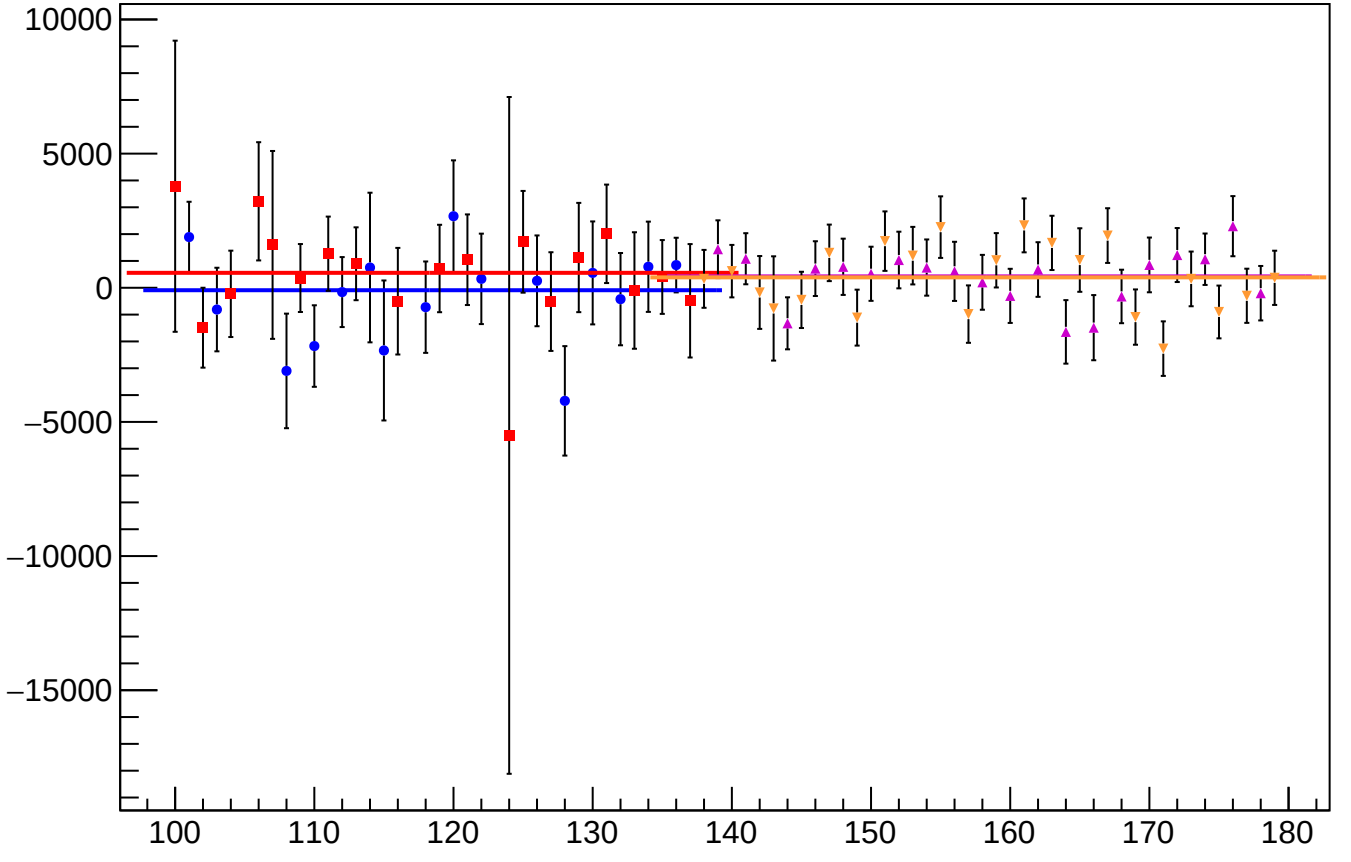
Left In: 1607.394+/-0.285 χ^2/NDF:713829.1/19

+ sign 1567.055+/-0.227 χ^2/NDF: 1245665.5/37

All: 1564.334+/-0.161 χ^2/NDF: 2402733.3/76

- sign 1561.543+/-0.229 χ^2/NDF: 1156775.5/38

asym_us_agg_dd_mean vs Slug



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

Left Out: 388.010+/-227.968 χ^2/NDF:29.8/21

Right Out: 556.840+/-411.346 χ^2/NDF: 6.8/18

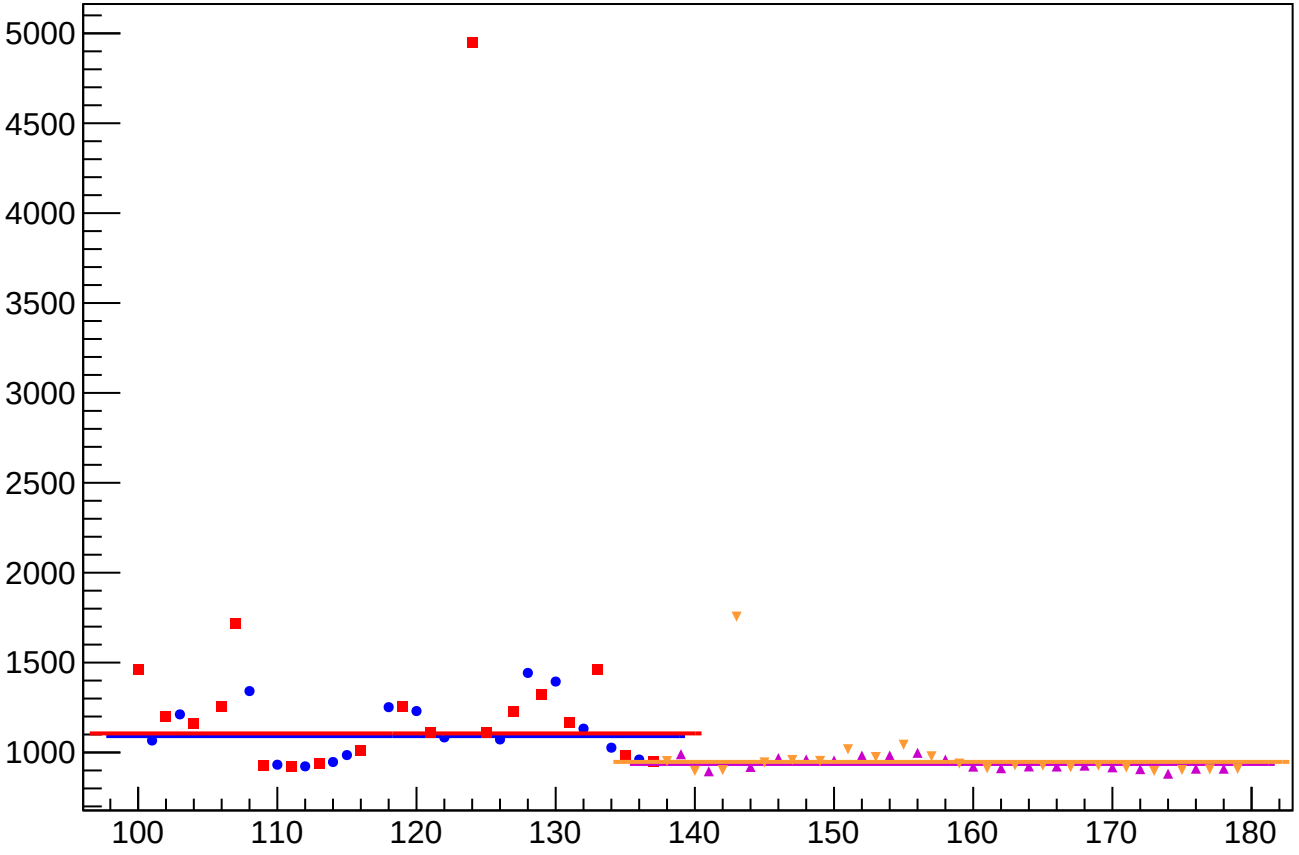
Left In: 424.958+/-231.742 χ^2/NDF:16.4/19

\+ sign 274.802+/-199.235 χ^2/NDF: 45.4/37

All: 364.556+/-141.815 χ^2/NDF: 69.1/76

\- sign 456.732+/-201.905 χ^2/NDF: 23.3/38

asym_us_agg_dd_rms vs Slug



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

Left Out: 947.655+/-0.161 χ^2/NDF:402339.9/21

Right Out: 1106.046+/-0.291 χ^2/NDF: 514097.9/18

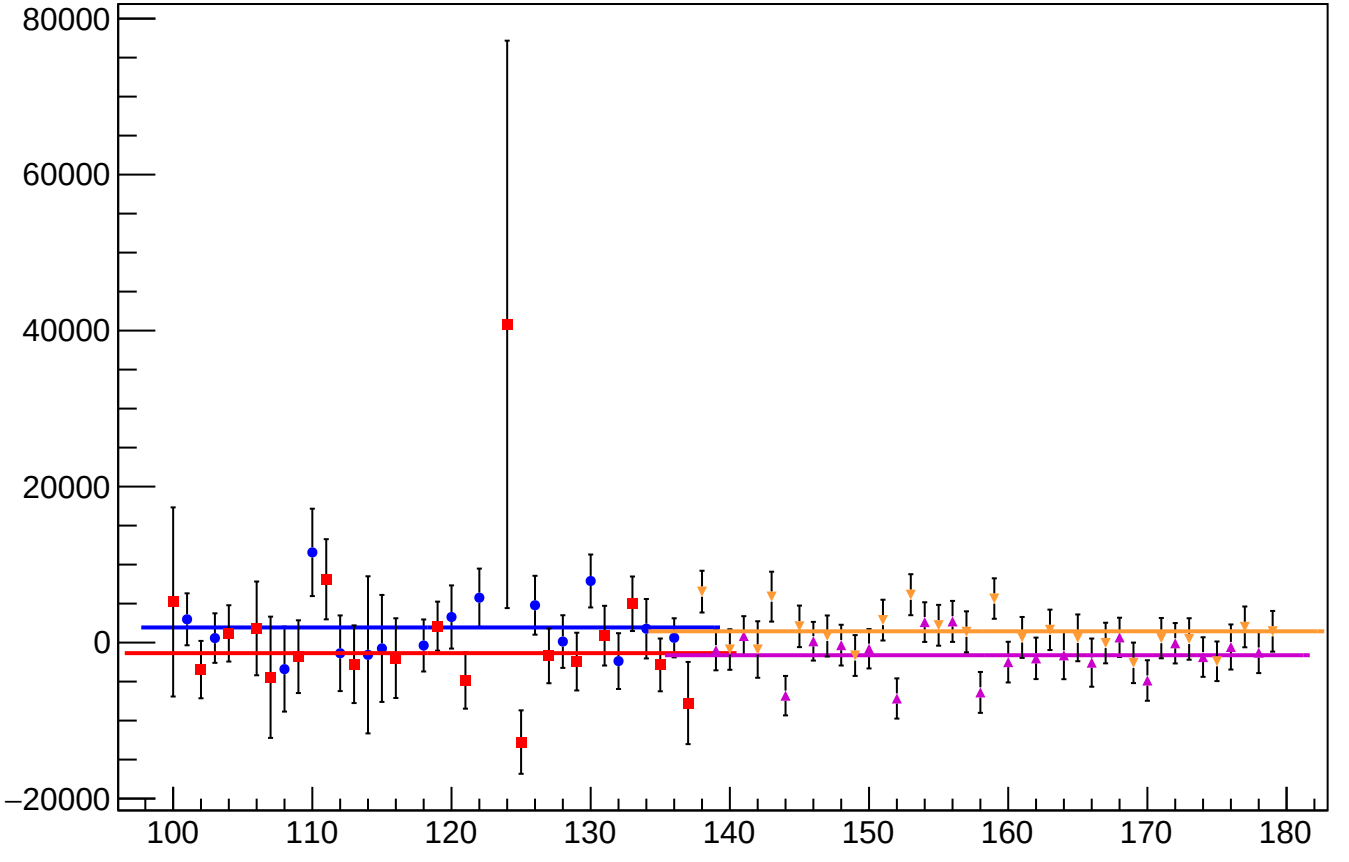
Left In: 936.161+/-0.164 χ^2/NDF:41935.2/19

+ sign 981.521+/-0.141 χ^2/NDF: 866520.4/37

All: 979.335+/-0.100 χ^2/NDF: 1681989.1/76

- sign 977.090+/-0.143 χ^2/NDF: 814980.7/38

reg_asym_atl1_mean vs Slug



Right In: 1939.656+/-952.537 χ^2/NDF: 12.2/15

Left Out: 1447.244+/-571.295 χ^2/NDF:20.0/21

Right Out: -1353.428+/-985.119 χ^2/NDF: 21.8/18

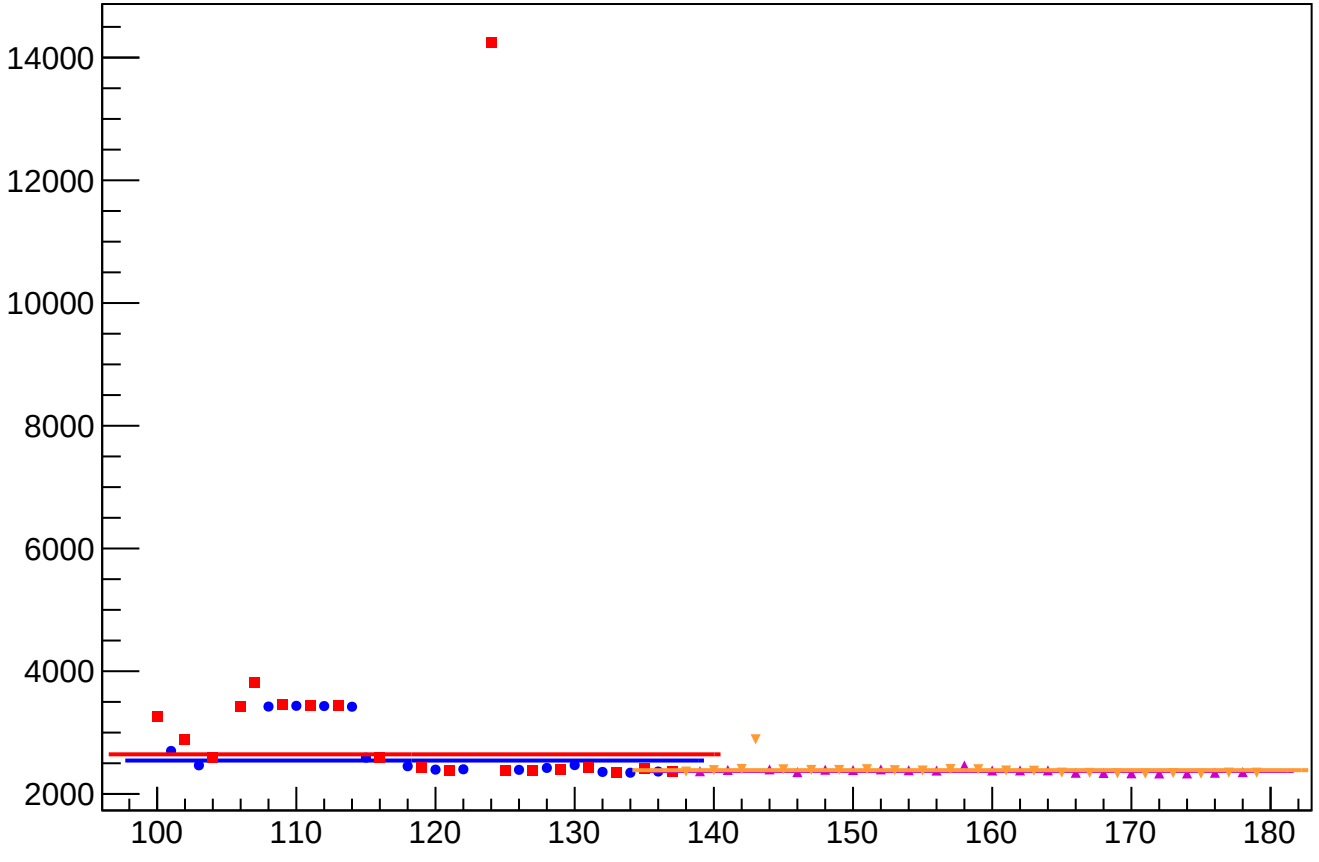
Left In: -1620.700+/-587.428 χ^2/NDF:22.6/19

+ sign 1577.513+/-489.933 χ^2/NDF: 32.4/37

All: 59.386+/-351.484 χ^2/NDF: 96.7/76

- sign -1550.593+/-504.537 χ^2/NDF: 44.5/38

reg_asym_atl1_rms vs Slug



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2387.396+/-0.404 χ^2/NDF:55273.2/21

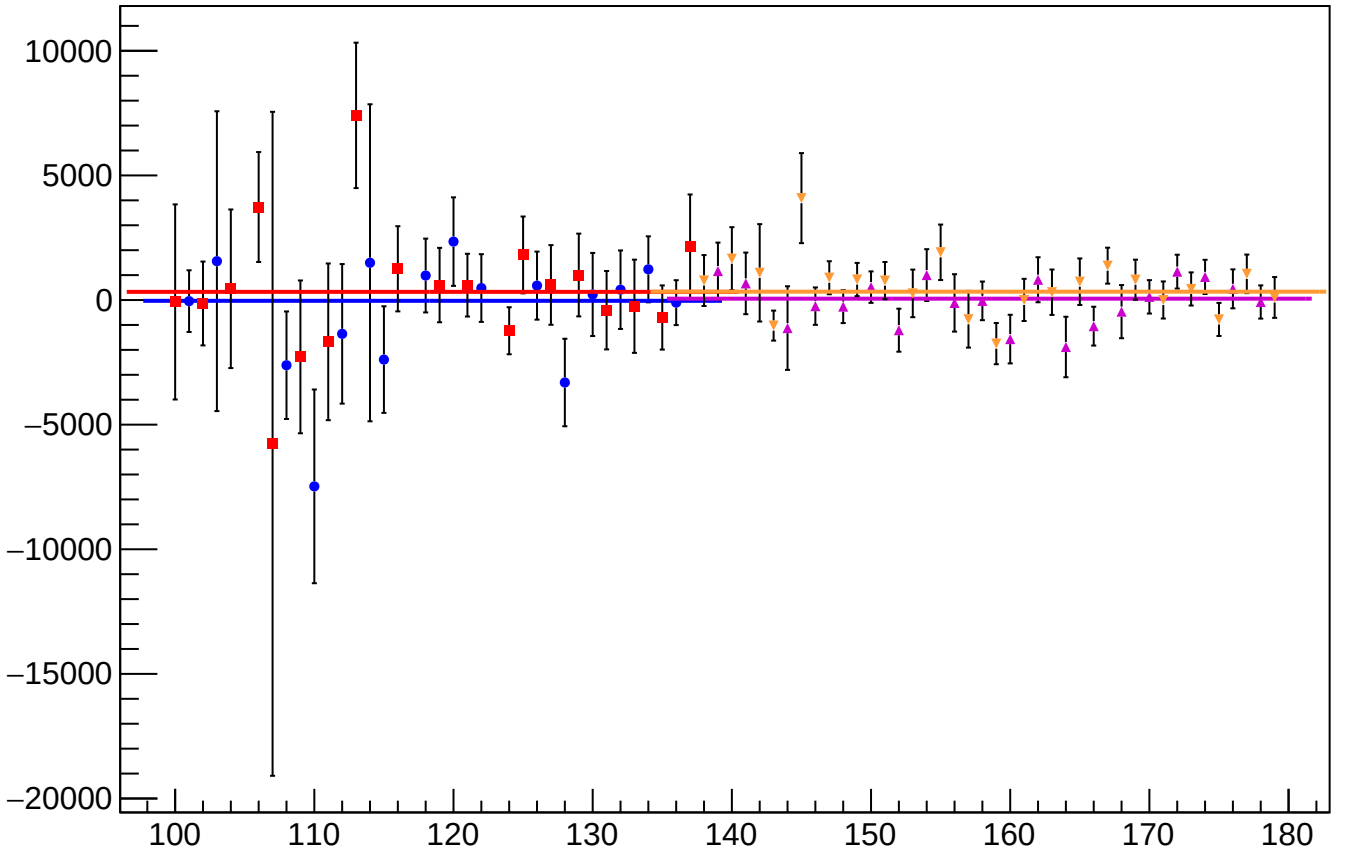
Right Out: 2645.647+/-0.697 χ^2/NDF: 536965.2/18

Left In: 2374.801+/-0.415 χ^2/NDF:5466.0/19

+ sign 2428.936+/-0.346 χ^2/NDF: 320856.5/37

All: 2437.142+/-0.249 χ^2/NDF: 975969.0/76

- sign 2445.845+/-0.357 χ^2/NDF: 653956.3/38



Right In: -31.191+/-405.726 χ^2/NDF: 13.8/15

Left Out: 335.780+/-176.504 χ^2/NDF:28.6/21

Right Out: 328.475+/-398.568 χ^2/NDF: 15.6/18

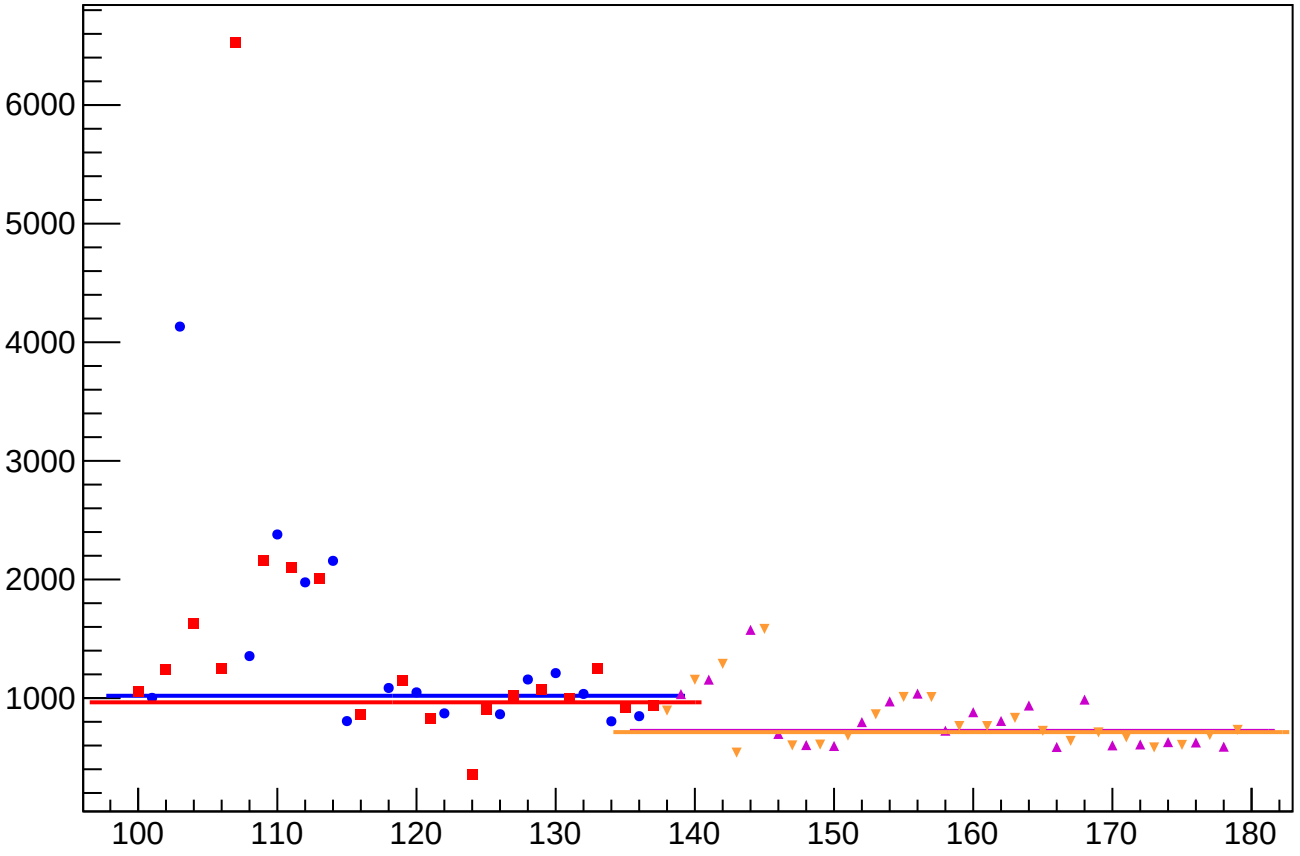
Left In: 54.464+/-185.923 χ^2/NDF:18.4/19

+ sign 277.382+/-161.852 χ^2/NDF: 43.0/37

All: 193.903+/-116.723 χ^2/NDF: 78.0/76

- sign 103.433+/-168.492 χ^2/NDF: 34.4/38

asym_atl1_reg_correction_rms vs Slug



Right In: 1019.523+/-0.287 χ^2/NDF: 1364745.9/15

Left Out: 713.142+/-0.125 χ^2/NDF:1755820.5/21

Right Out: 964.379+/-0.282 χ^2/NDF: 2309359.3/18

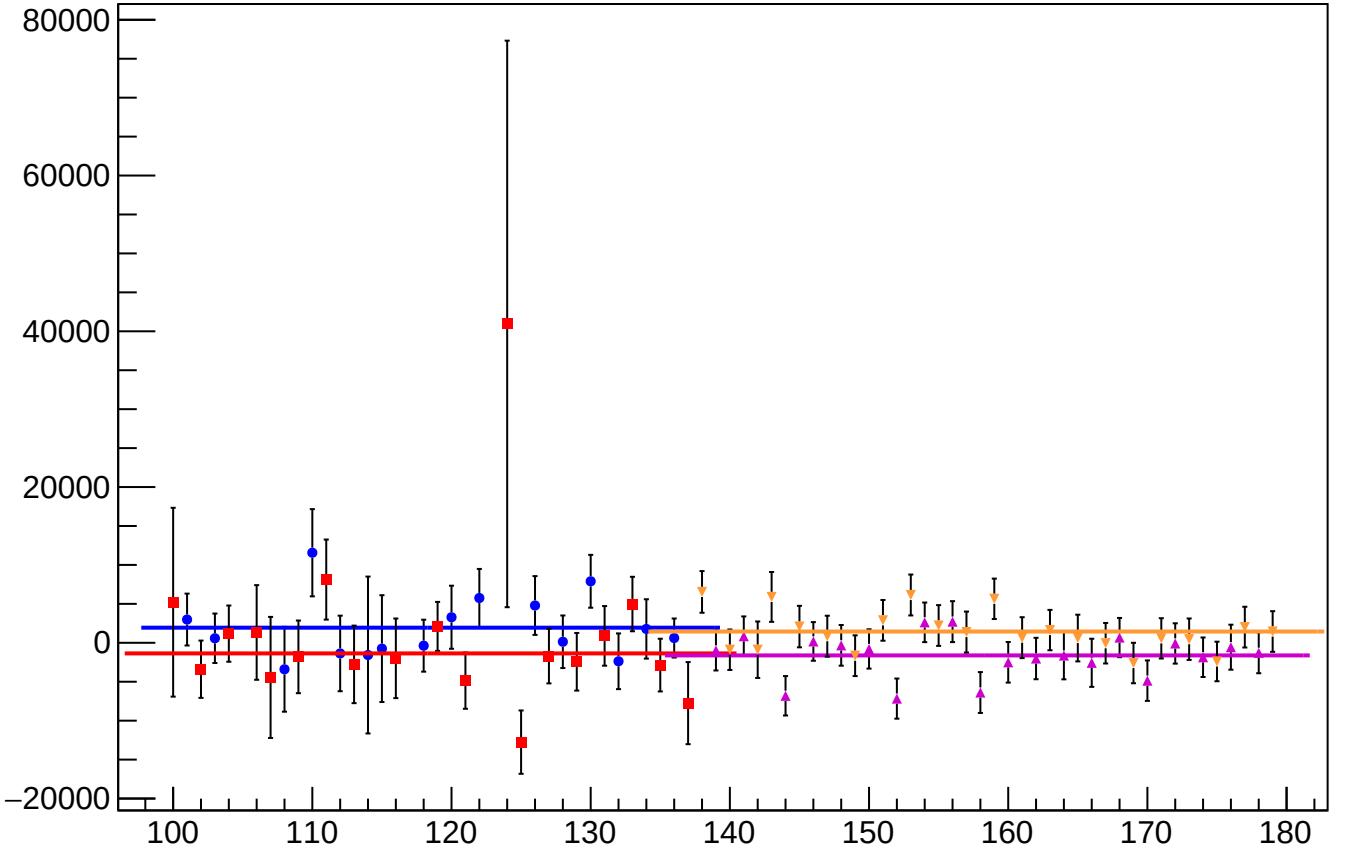
Left In: 723.482+/-0.131 χ^2/NDF:1920912.1/19

+ sign 761.899+/-0.114 χ^2/NDF: 4079550.6/37

All: 764.123+/-0.083 χ^2/NDF: 8910652.7/76

- sign 766.533+/-0.119 χ^2/NDF: 4830315.0/38

cor_asym_atl1_mean vs Slug



Right In: 1940.005+/-952.537 χ^2/NDF: 12.2/15

Left Out: 1447.196+/-571.295 χ^2/NDF:20.0/21

Right Out: -1363.089+/-985.420 χ^2/NDF: 21.7/18

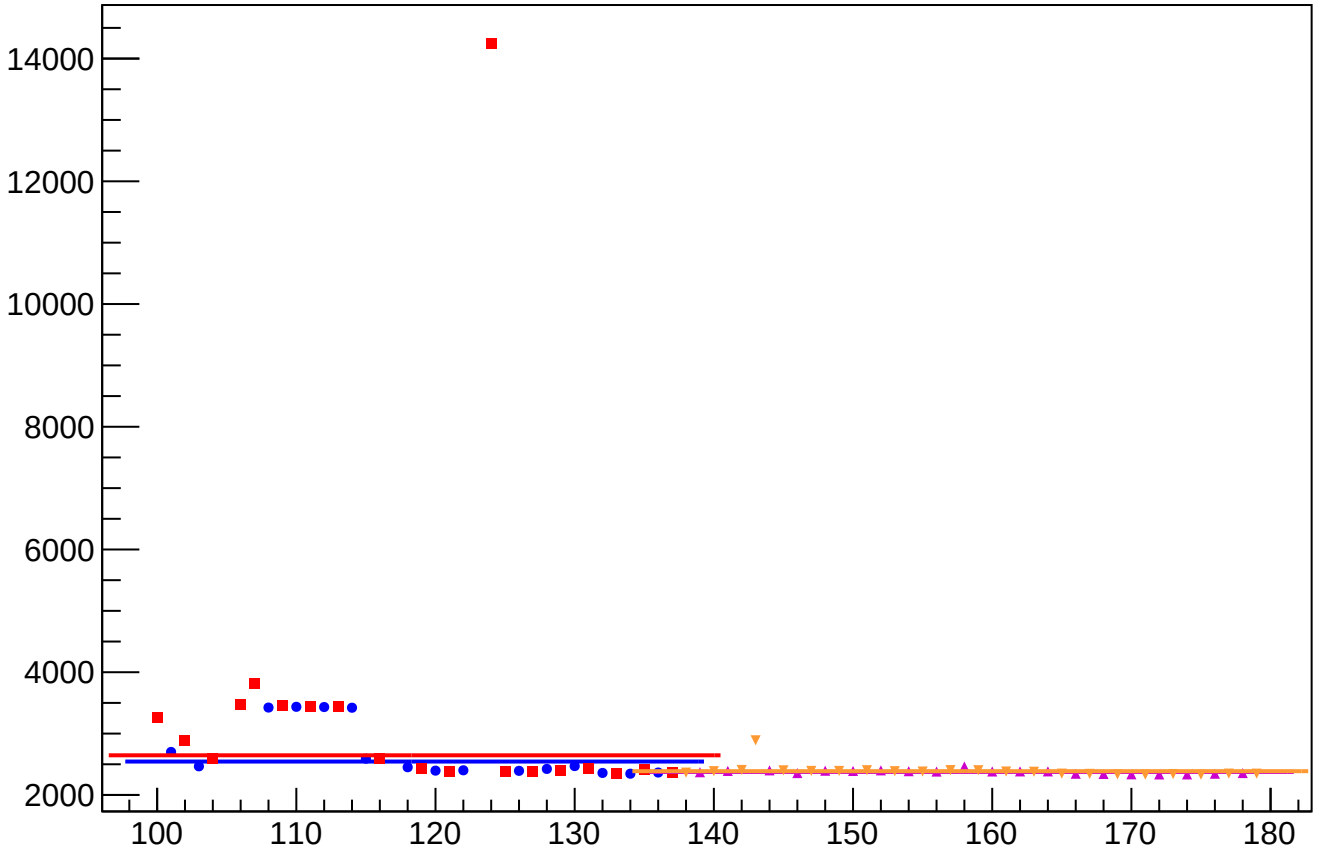
Left In: -1620.760+/-587.428 χ^2/NDF:22.6/19

+ sign 1577.569+/-489.933 χ^2/NDF: 32.4/37

All: 58.274+/-351.498 χ^2/NDF: 96.7/76

- sign -1553.202+/-504.577 χ^2/NDF: 44.4/38

cor_asym_atl1_rms vs Slug



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2387.396+/-0.404 χ^2/NDF:55273.2/21

Right Out: 2646.203+/-0.697 χ^2/NDF: 539546.8/18

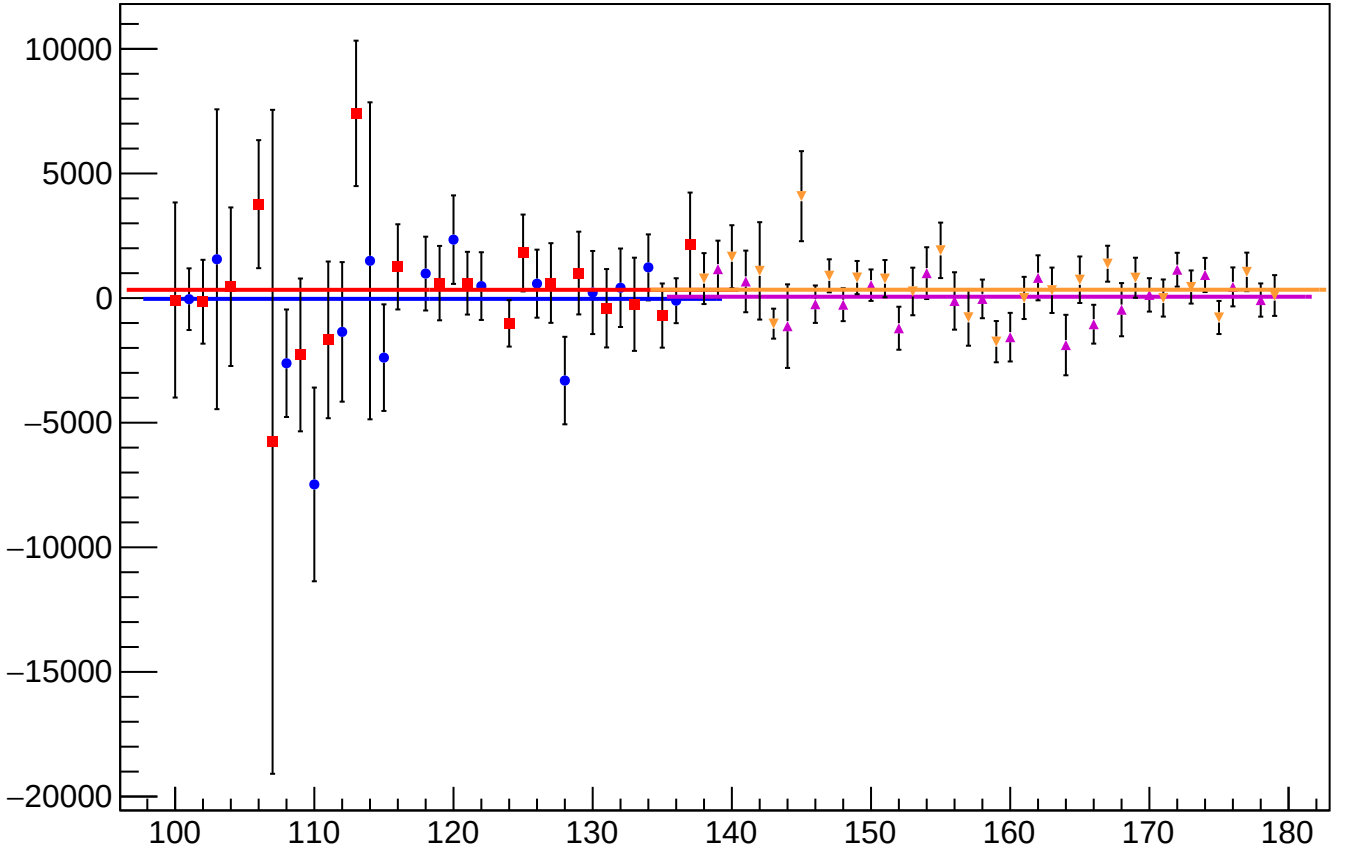
Left In: 2374.801+/-0.415 χ^2/NDF:5466.0/19

+ sign 2428.936+/-0.346 χ^2/NDF: 320856.5/37

All: 2437.197+/-0.249 χ^2/NDF: 978974.2/76

- sign 2445.959+/-0.357 χ^2/NDF: 656946.0/38

asym_atl1_cor_correction_mean vs Slug



Right In: -31.253+/-405.723 χ^2/NDF: 13.8/15

Left Out: 335.741+/-176.504 χ^2/NDF:28.6/21

Right Out: 331.962+/-399.334 χ^2/NDF: 14.4/18

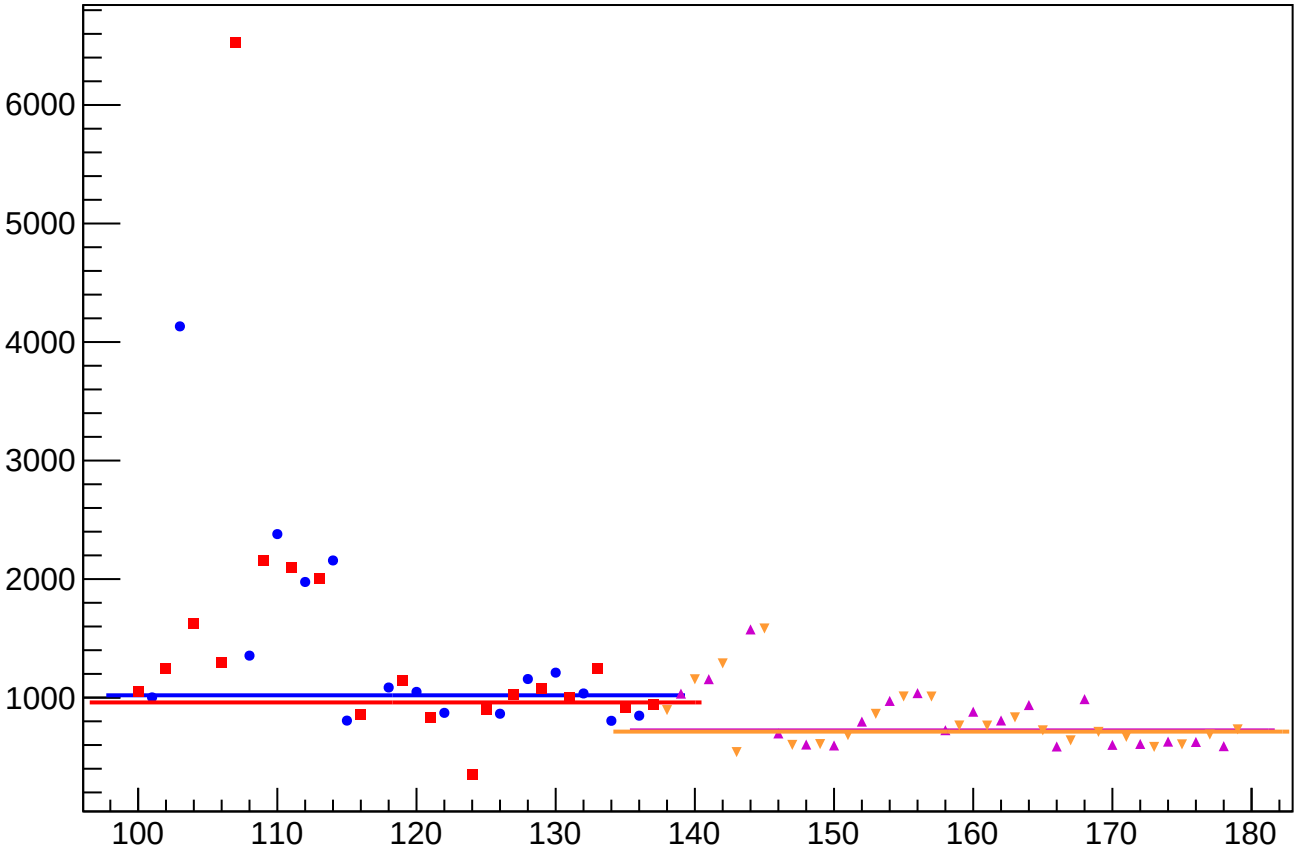
Left In: 54.382+/-185.923 χ^2/NDF:18.4/19

+ sign 277.338+/-161.852 χ^2/NDF: 43.0/37

All: 194.102+/-116.743 χ^2/NDF: 76.7/76

- sign 103.833+/-168.551 χ^2/NDF: 33.2/38

asym_atl1_cor_correction_rms vs Slug



Right In: 1019.514+/-0.287 χ^2/NDF: 1364741.0/15

Left Out: 713.144+/-0.125 χ^2/NDF:1755901.2/21

Right Out: 959.344+/-0.282 χ^2/NDF: 2344434.8/18

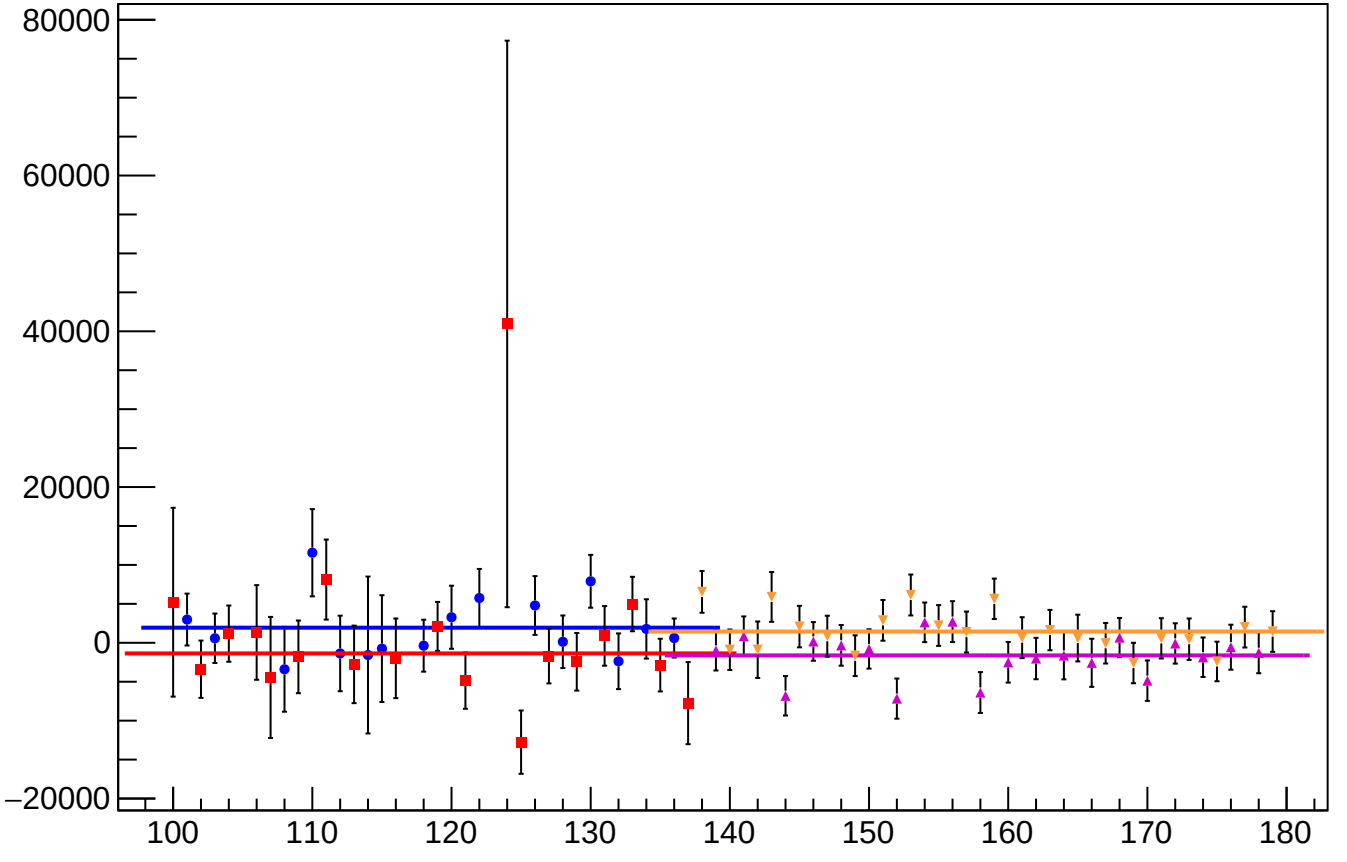
Left In: 723.485+/-0.131 χ^2/NDF:1921025.4/19

+ sign 761.899+/-0.114 χ^2/NDF: 4079575.3/37

All: 763.628+/-0.083 χ^2/NDF: 8918906.9/76

- sign 765.503+/-0.119 χ^2/NDF: 4838855.8/38

eigen_cor_asym_atl1_mean vs Slug



Right In: 1940.005+/-952.537 χ^2/NDF: 12.2/15

Left Out: 1447.196+/-571.295 χ^2/NDF:20.0/21

Right Out: -1363.089+/-985.420 χ^2/NDF: 21.7/18

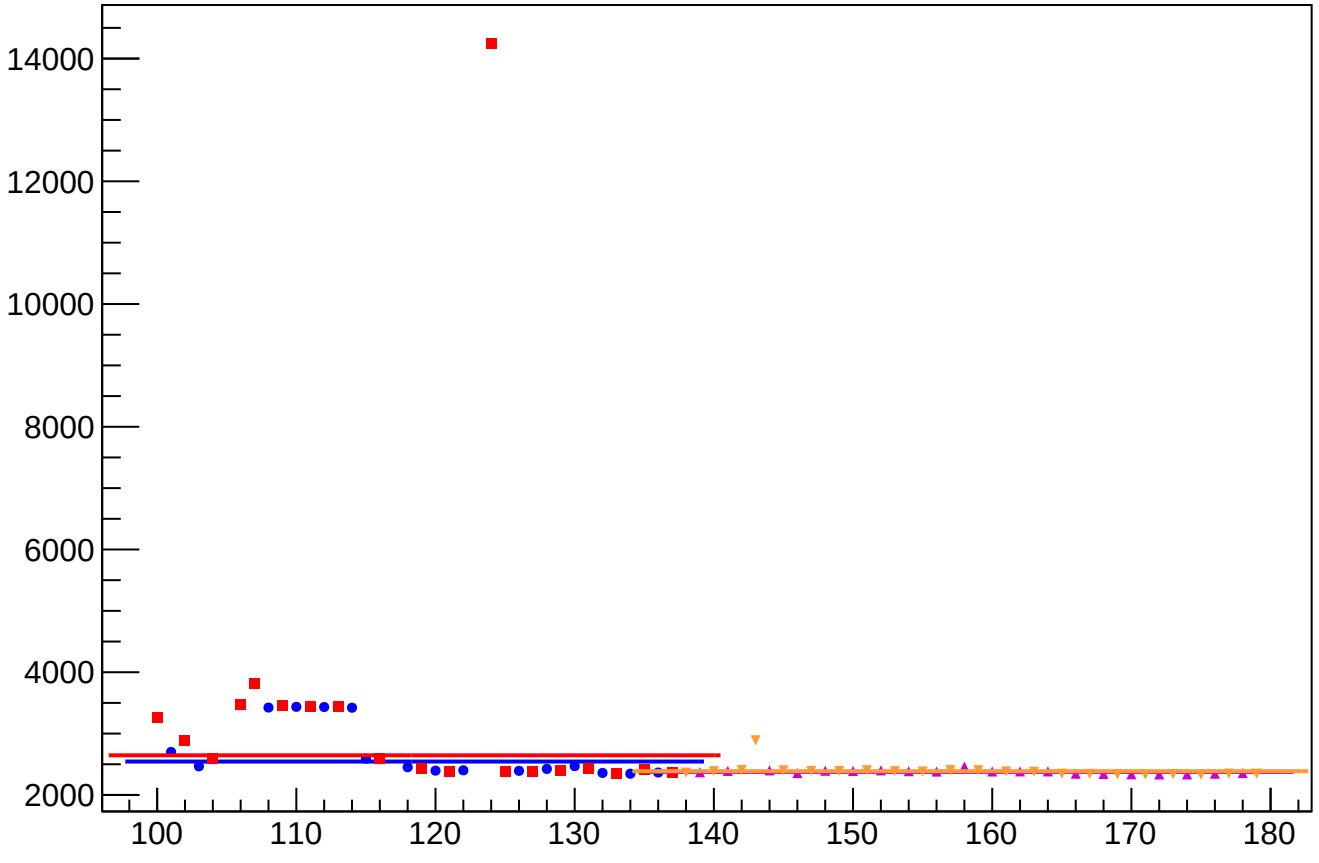
Left In: -1620.760+/-587.428 χ^2/NDF:22.6/19

+ sign 1577.569+/-489.933 χ^2/NDF: 32.4/37

All: 58.274+/-351.498 χ^2/NDF: 96.7/76

- sign -1553.202+/-504.577 χ^2/NDF: 44.4/38

eigen_cor_asym_atl1_rms vs Slug



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2387.396+/-0.404 χ^2/NDF:55273.2/21

Right Out: 2646.203+/-0.697 χ^2/NDF: 539546.8/18

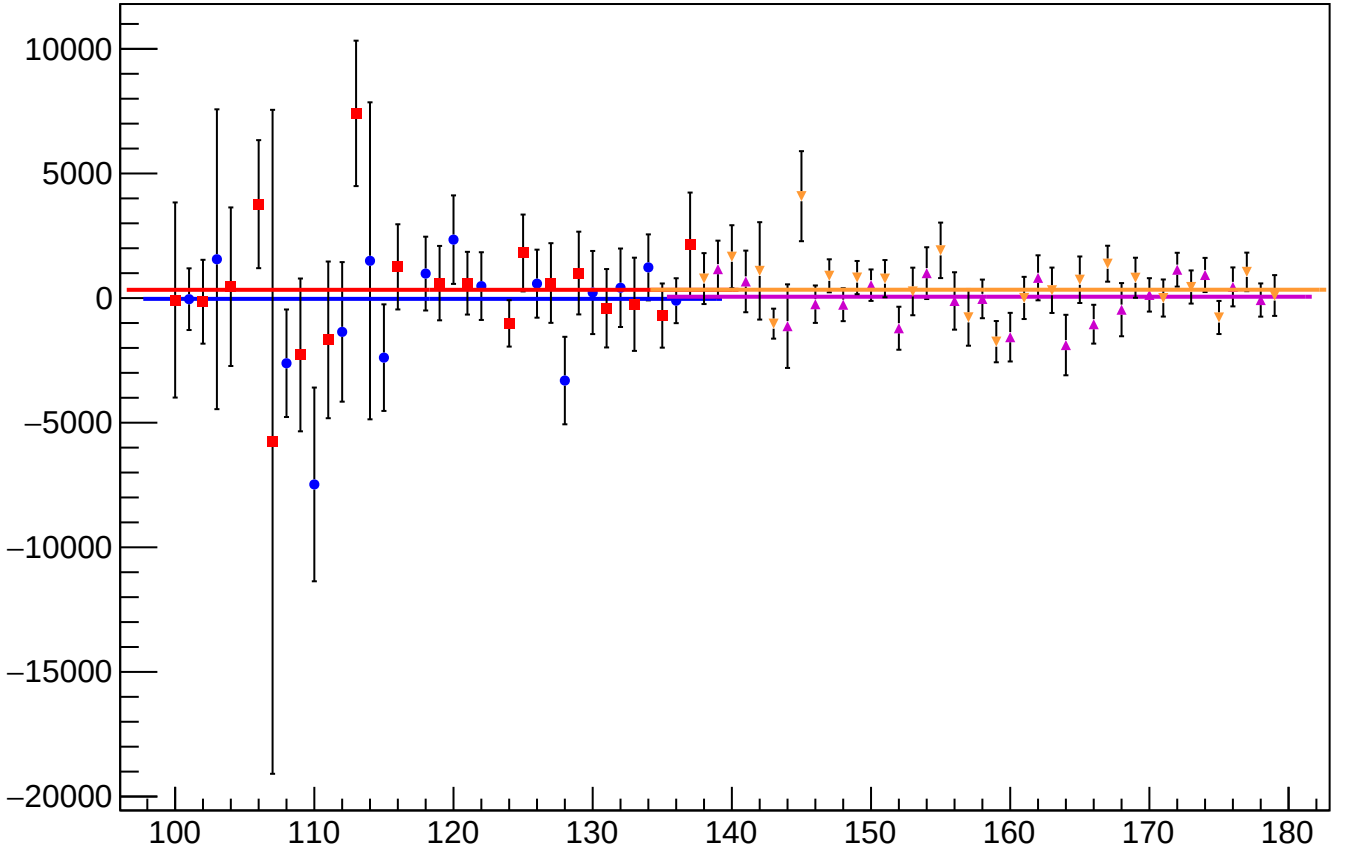
Left In: 2374.801+/-0.415 χ^2/NDF:5466.0/19

+ sign 2428.936+/-0.346 χ^2/NDF: 320856.5/37

All: 2437.197+/-0.249 χ^2/NDF: 978974.2/76

- sign 2445.959+/-0.357 χ^2/NDF: 656946.0/38

asym_atl1_eigen_cor_correction_mean vs Slug



Right In: -31.253+/-405.723 χ^2/NDF: 13.8/15

Left Out: 335.741+/-176.504 χ^2/NDF:28.6/21

Right Out: 331.962+/-399.334 χ^2/NDF: 14.4/18

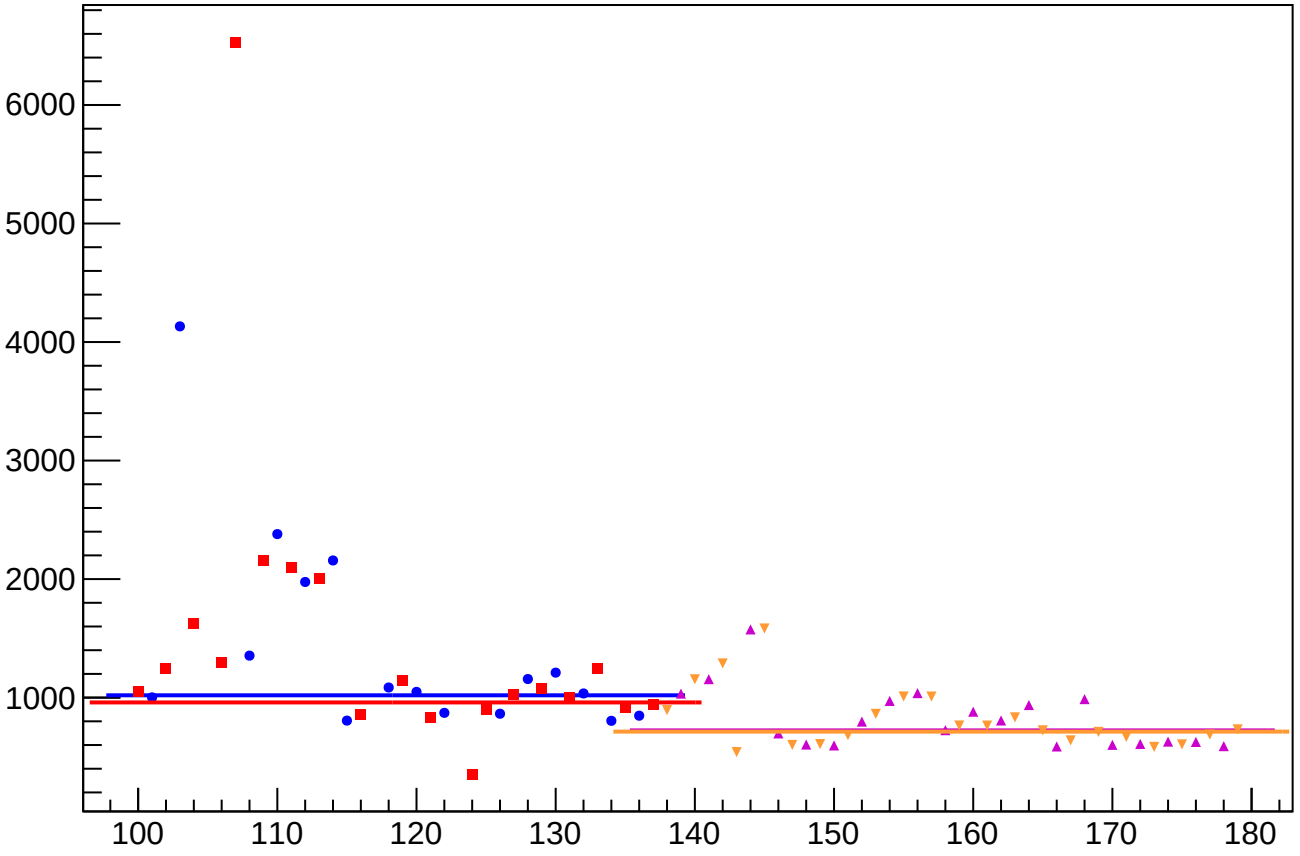
Left In: 54.382+/-185.923 χ^2/NDF:18.4/19

+ sign 277.338+/-161.852 χ^2/NDF: 43.0/37

All: 194.102+/-116.743 χ^2/NDF: 76.7/76

- sign 103.833+/-168.551 χ^2/NDF: 33.2/38

asym_atl1_eigen_cor_correction_rms vs Slug



Right In: 1019.514+/-0.287 χ^2/NDF: 1364741.0/15

Left Out: 713.144+/-0.125 χ^2/NDF:1755901.2/21

Right Out: 959.344+/-0.282 χ^2/NDF: 2344434.8/18

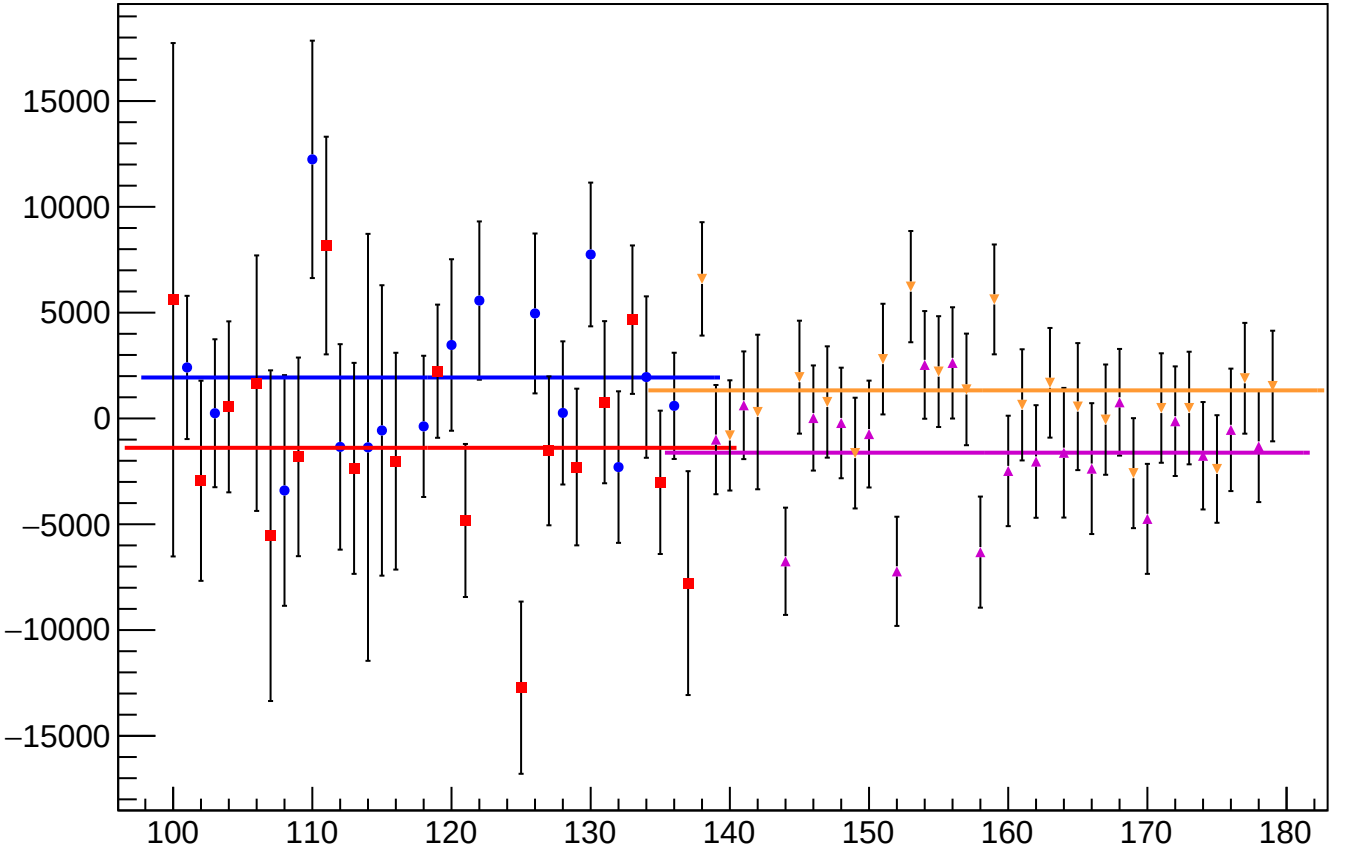
Left In: 723.485+/-0.131 χ^2/NDF:1921025.4/19

\+ sign 761.899+/-0.114 χ^2/NDF: 4079575.3/37

All: 763.628+/-0.083 χ^2/NDF: 8918906.9/76

\- sign 765.503+/-0.119 χ^2/NDF: 4838855.8/38

dit_asym_atl1_mean vs Slug



Right In: 1935.992+/-962.322 χ^2/NDF: 12.4/15

Left Out: 1326.886+/-581.281 χ^2/NDF:17.7/20

Right Out: -1387.548+/-1009.105 χ^2/NDF: 19.8/17

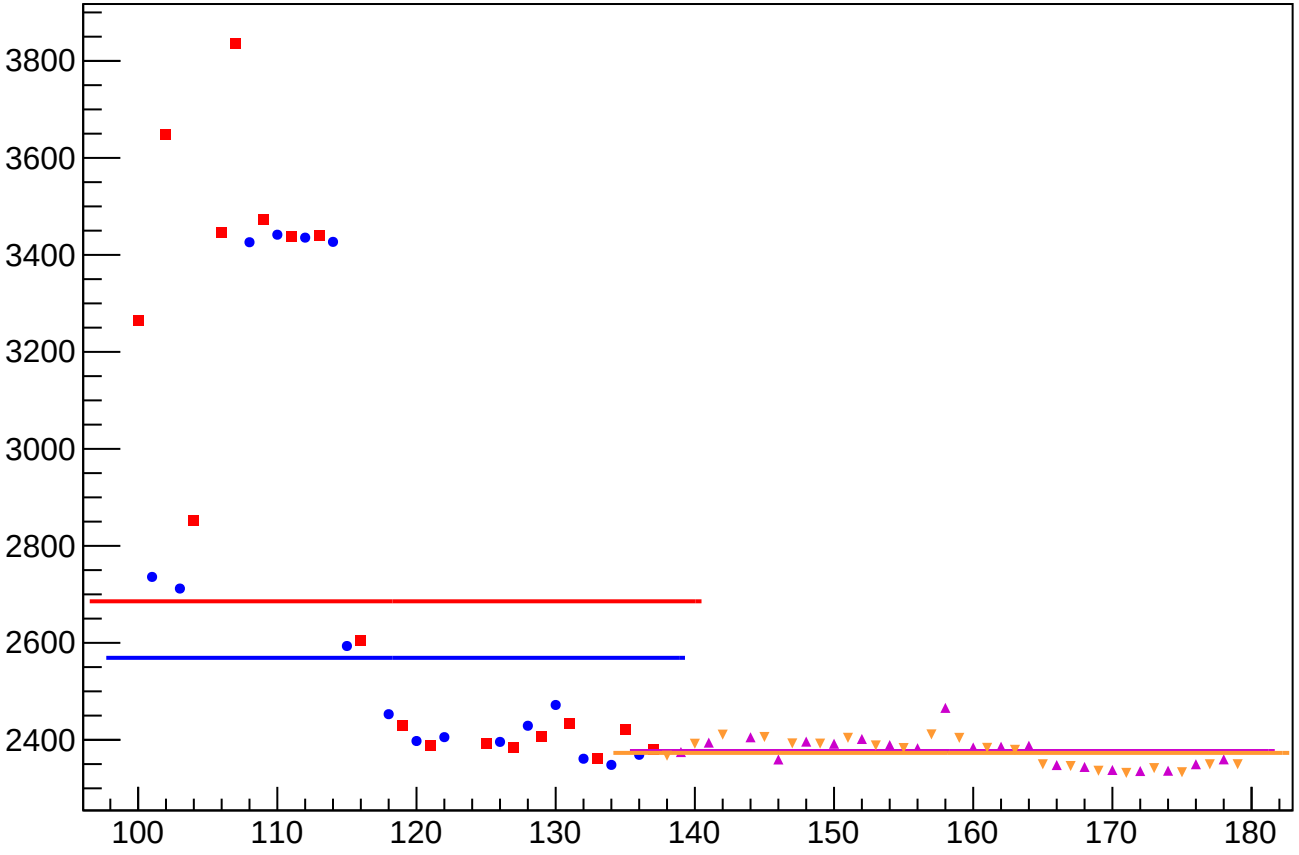
Left In: -1618.348+/-587.959 χ^2/NDF:22.0/19

+ sign 1489.716+/-497.556 χ^2/NDF: 30.4/36

All: -3.346+/-355.466 χ^2/NDF: 90.6/74

- sign -1559.853+/-508.017 χ^2/NDF: 41.8/37

dit_asym_atl1_rms vs Slug



Right In: 2569.130+/-0.680 χ^2/NDF: 229487.5/15

Left Out: 2373.094+/-0.411 χ^2/NDF:4315.4/20

Right Out: 2685.675+/-0.714 χ^2/NDF: 419264.8/17

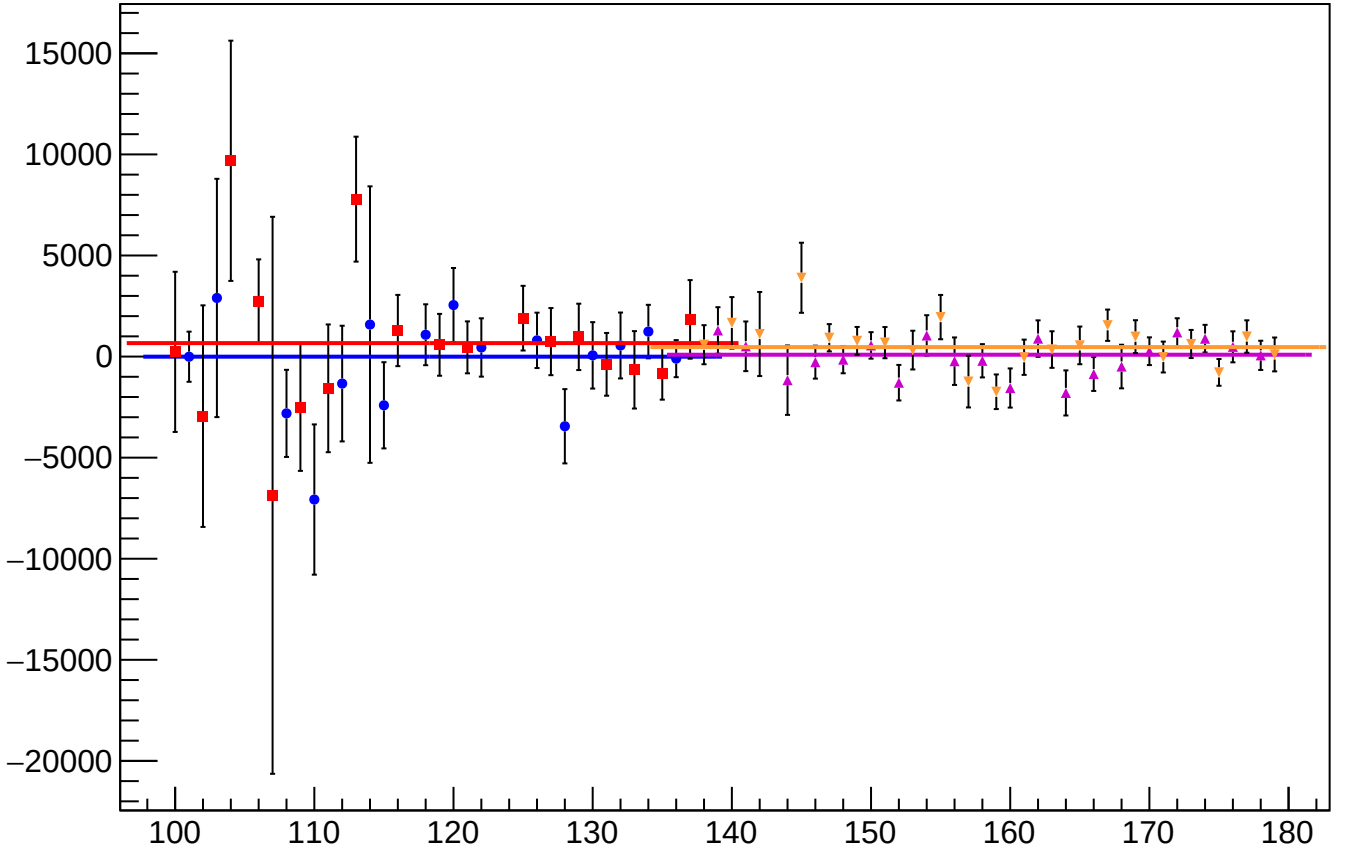
Left In: 2376.938+/-0.416 χ^2/NDF:5474.3/19

+ sign 2425.500+/-0.352 χ^2/NDF: 294612.1/36

All: 2440.034+/-0.251 χ^2/NDF: 862600.8/74

- sign 2455.186+/-0.359 χ^2/NDF: 564502.9/37

asym_atl1_dit_correction_mean vs Slug



Right In: -5.169+/-412.248 χ^2/NDF: 14.5/15

Left Out: 468.400+/-188.800 χ^2/NDF:23.3/20

Right Out: 665.952+/-460.513 χ^2/NDF: 14.4/17

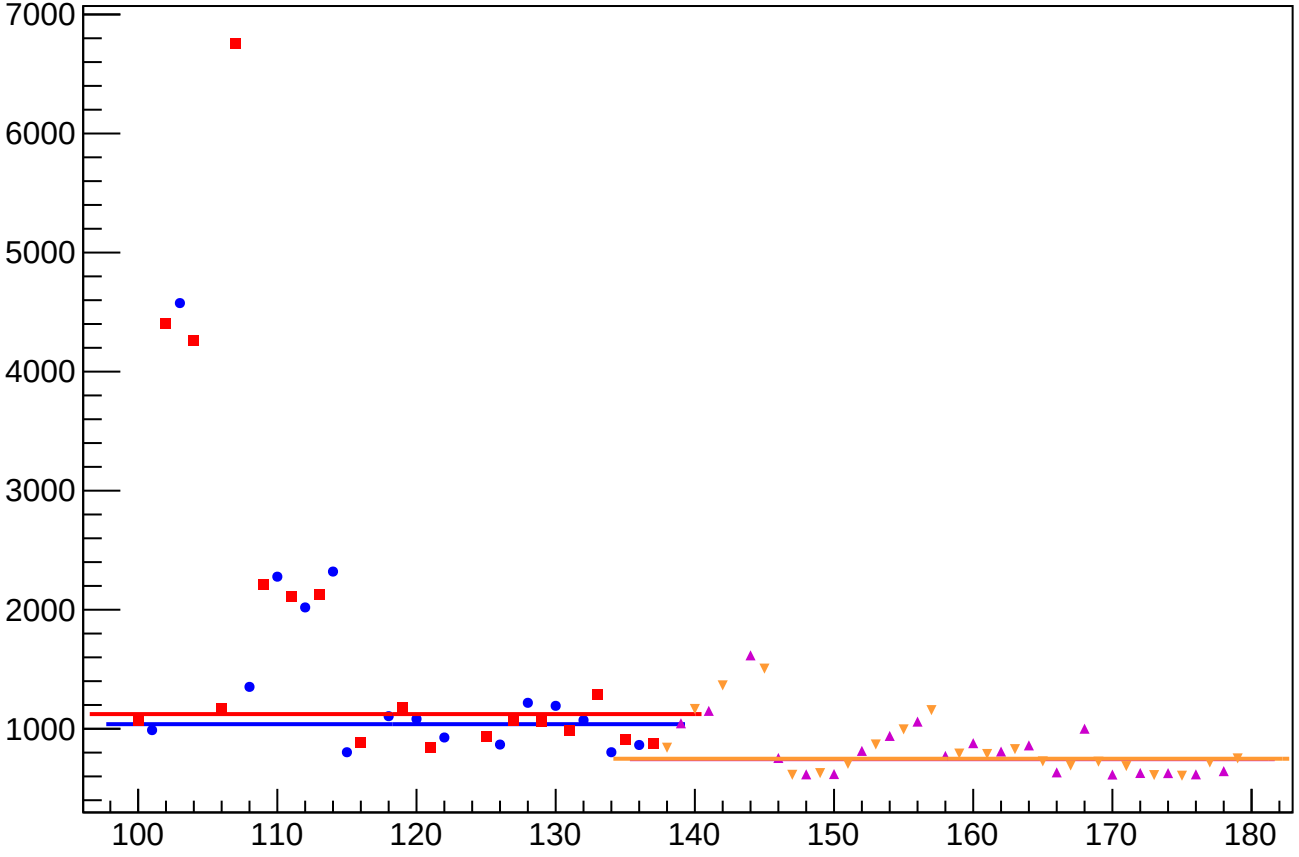
Left In: 91.230+/-190.380 χ^2/NDF:18.5/19

\+ sign 386.294+/-171.655 χ^2/NDF: 38.9/36

All: 283.307+/-122.864 χ^2/NDF: 73.8/74

\- sign 175.117+/-175.938 χ^2/NDF: 34.1/37

asym_atl1_dit_correction_rms vs Slug



Right In: 1038.803+/-0.292 χ^2/NDF: 1539731.1/15

Left Out: 748.402+/-0.134 χ^2/NDF:1500736.5/20

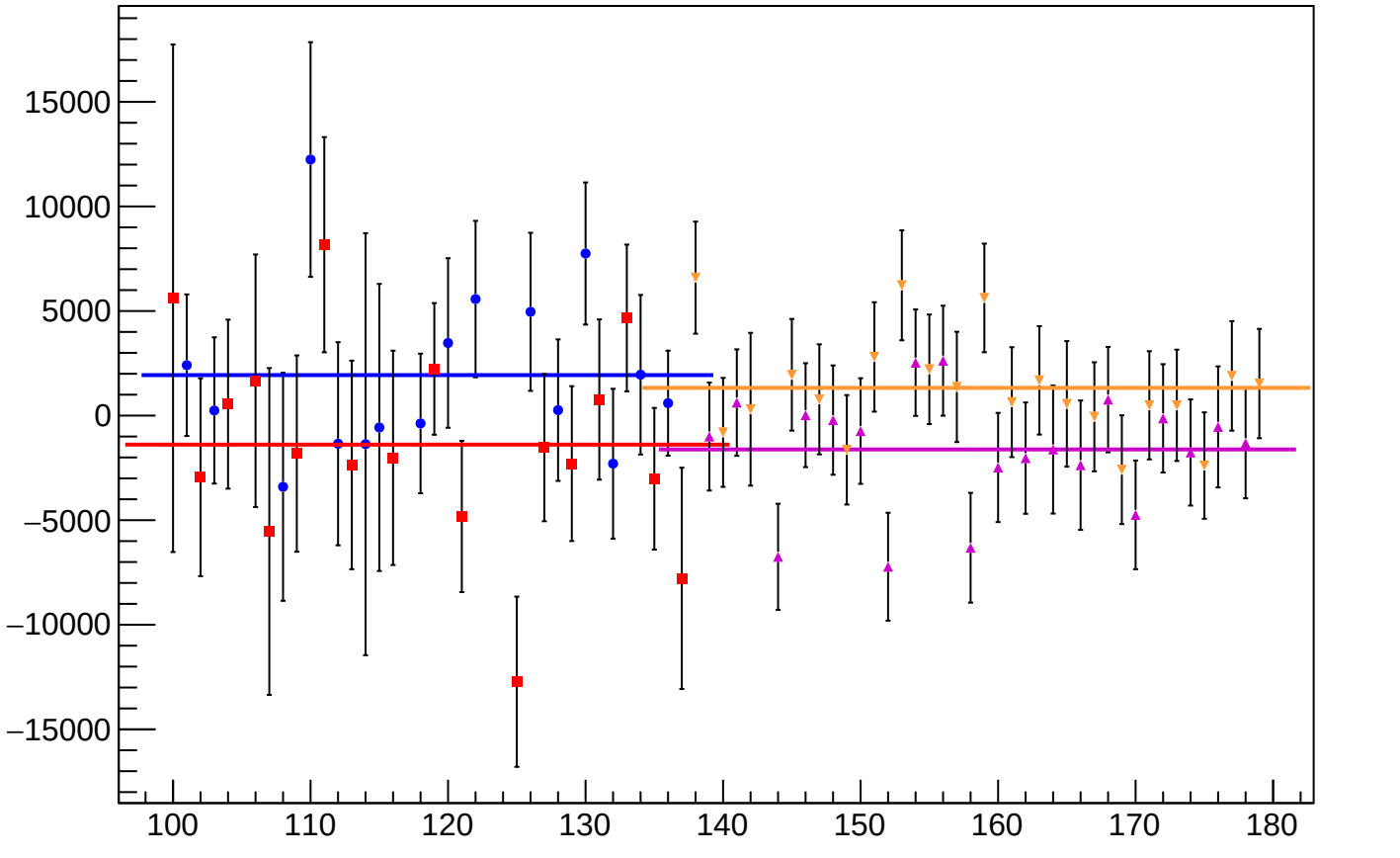
Right Out: 1123.474+/-0.326 χ^2/NDF: 2535511.7/17

Left In: 744.762+/-0.135 χ^2/NDF:1746642.8/19

+ sign 798.751+/-0.121 χ^2/NDF: 3860847.6/36

All: 799.379+/-0.087 χ^2/NDF: 9298219.6/74

- sign 800.039+/-0.124 χ^2/NDF: 5437317.1/37



Right In: 1935.988+/-962.322 χ^2/NDF: 12.4/15

Left Out: 1326.887+/-581.281 χ^2/NDF:17.7/20

Right Out: -1387.545+/-1009.105 χ^2/NDF: 19.8/17

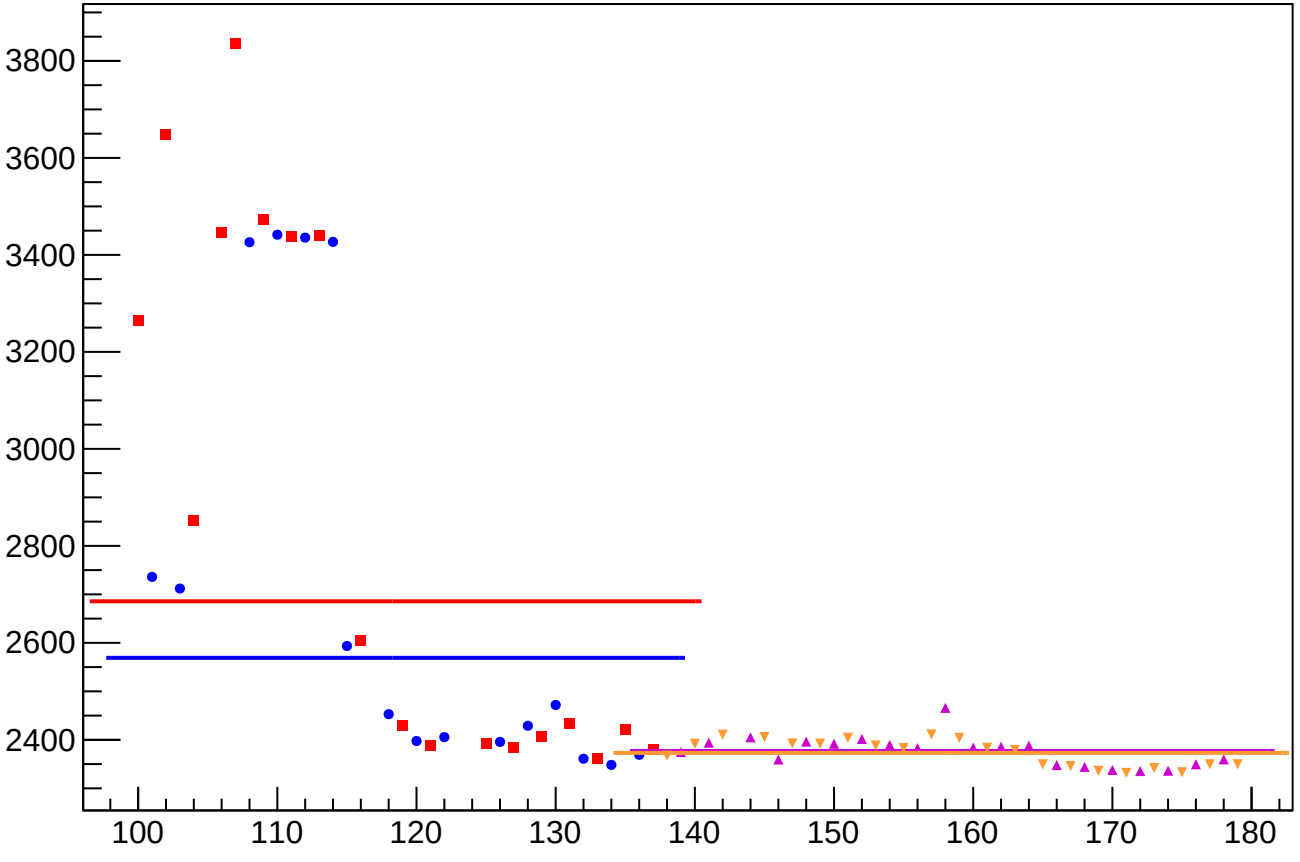
Left In: -1618.349+/-587.959 χ^2/NDF:22.0/19

+ sign 1489.716+/-497.555 χ^2/NDF: 30.4/36

All: -3.346+/-355.466 χ^2/NDF: 90.6/74

- sign -1559.853+/-508.017 χ^2/NDF: 41.8/37

eigen_dit_asym_atl1_rms vs Slug



Right In: 2569.130+/-0.680 χ^2/NDF: 229487.3/15

Left Out: 2373.094+/-0.411 χ^2/NDF:4315.4/20

Right Out: 2685.674+/-0.714 χ^2/NDF: 419264.2/17

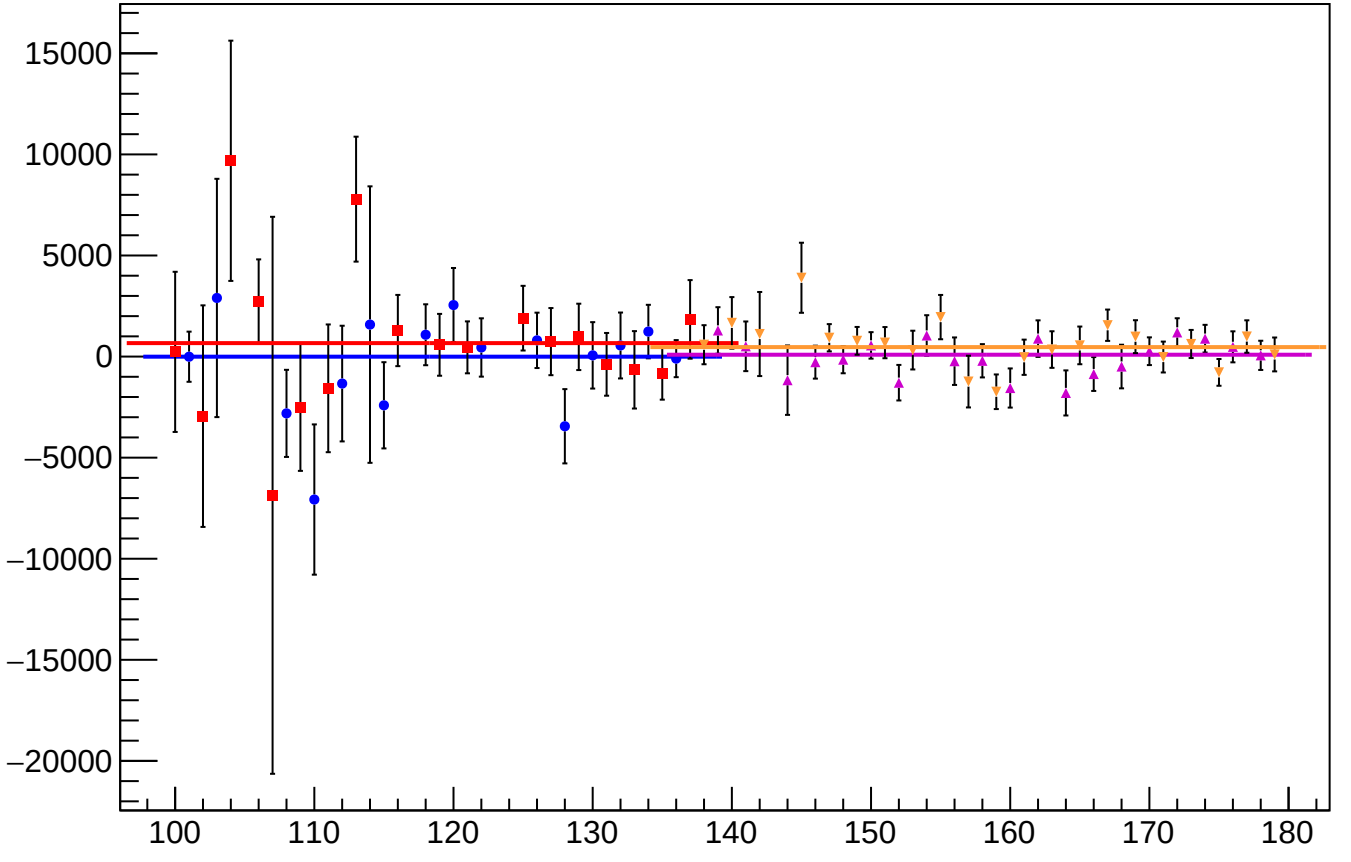
Left In: 2376.938+/-0.416 χ^2/NDF:5474.3/19

+ sign 2425.500+/-0.352 χ^2/NDF: 294611.7/36

All: 2440.034+/-0.251 χ^2/NDF: 862599.3/74

- sign 2455.186+/-0.359 χ^2/NDF: 564502.0/37

asym_atl1_eigen_dit_correction_mean vs Slug



Right In: -5.172+/-412.248 χ^2/NDF: 14.5/15

Left Out: 468.401+/-188.800 χ^2/NDF:23.3/20

Right Out: 665.953+/-460.513 χ^2/NDF: 14.4/17

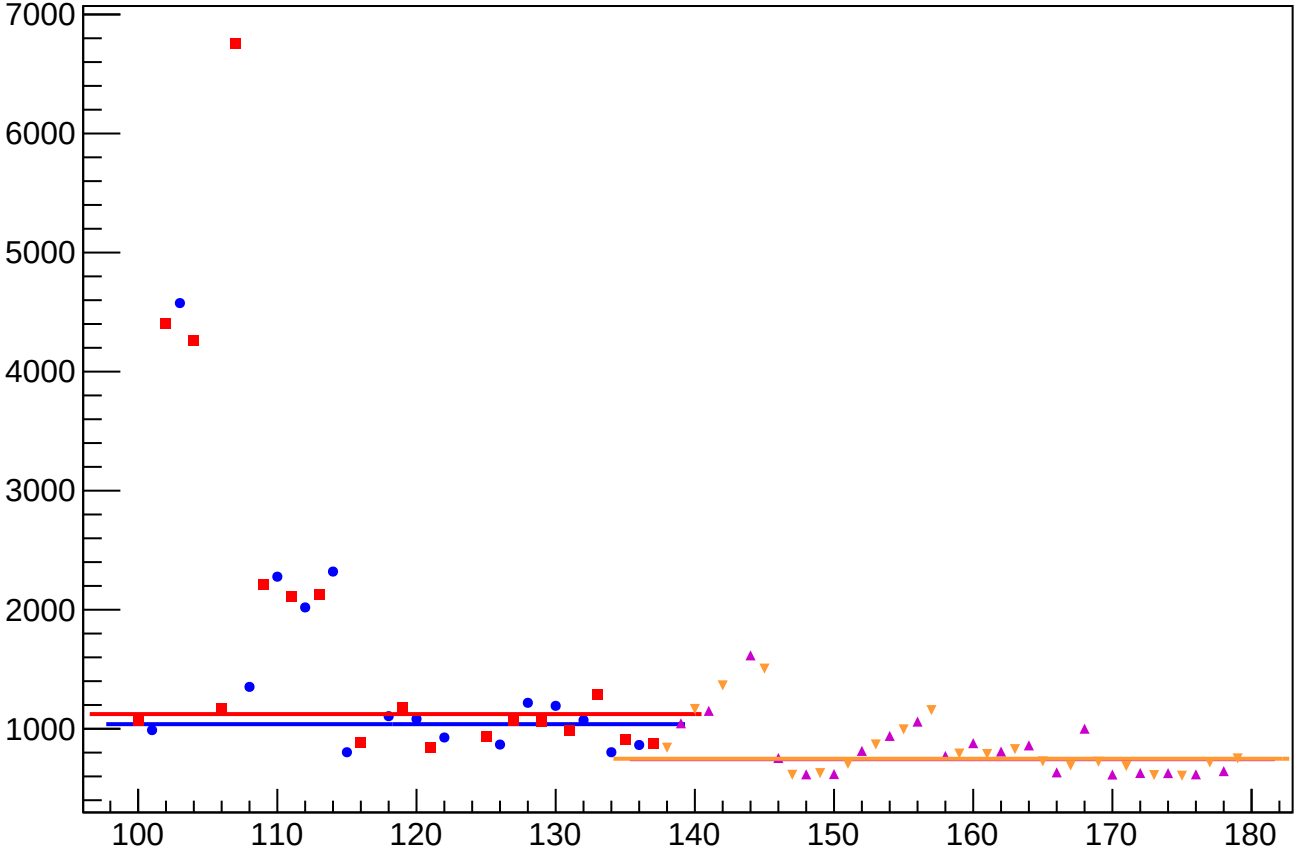
Left In: 91.230+/-190.380 χ^2/NDF:18.5/19

+ sign 386.293+/-171.655 χ^2/NDF: 38.9/36

All: 283.307+/-122.865 χ^2/NDF: 73.8/74

- sign 175.117+/-175.938 χ^2/NDF: 34.1/37

asym_atl1_eigen_dit_correction_rms vs Slug



Right In: 1038.804+/-0.292 χ^2/NDF: 1539724.8/15

Left Out: 748.404+/-0.134 χ^2/NDF:1500734.3/20

Right Out: 1123.474+/-0.326 χ^2/NDF: 2535509.9/17

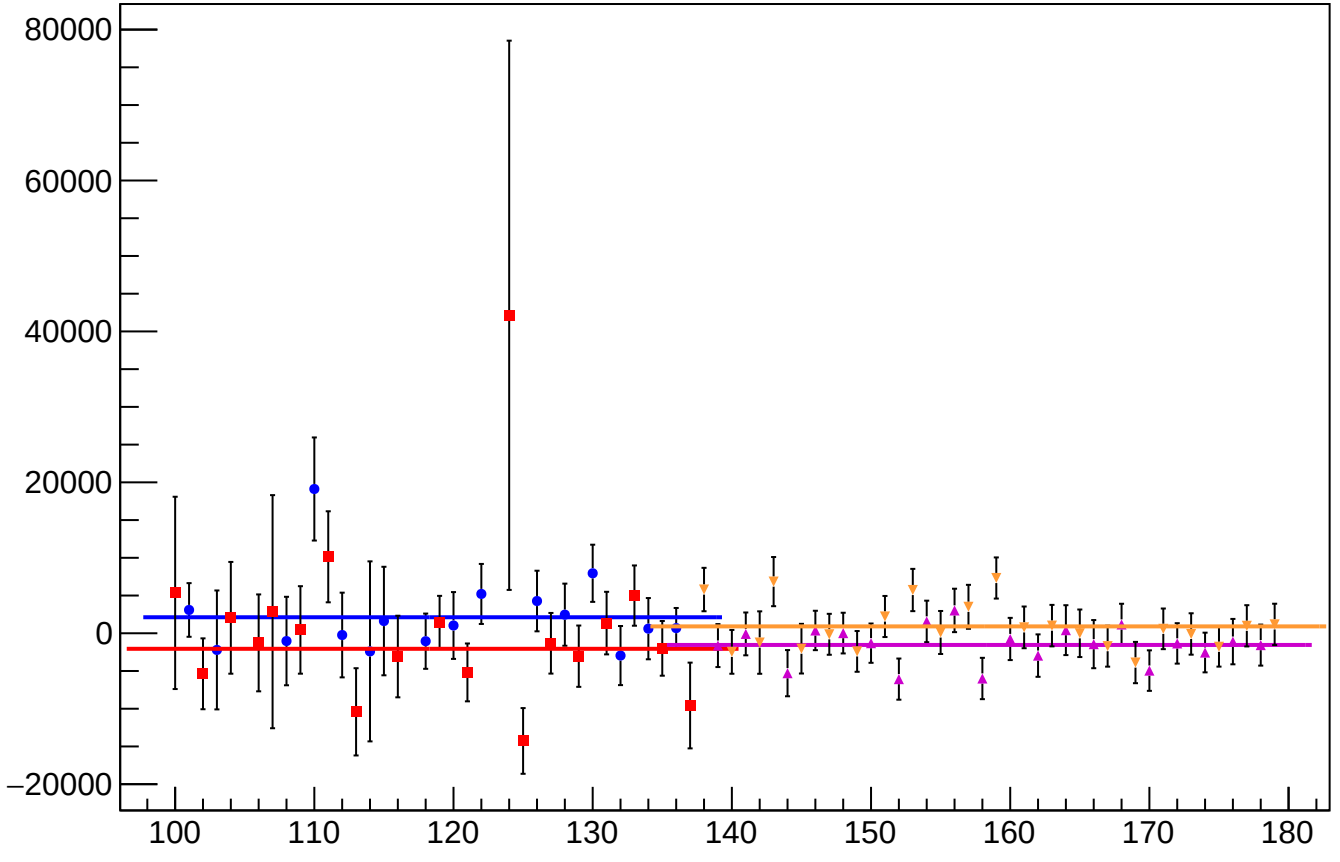
Left In: 744.764+/-0.135 χ^2/NDF:1746639.3/19

+ sign 798.753+/-0.121 χ^2/NDF: 3860833.5/36

All: 799.381+/-0.087 χ^2/NDF: 9298190.5/74

- sign 800.041+/-0.124 χ^2/NDF: 5437302.1/37

asym_atl1_mean vs Slug



Right In: 2121.991+/-1084.700 χ^2/NDF: 13.4/15

Left Out: 910.890+/-607.312 χ^2/NDF:25.2/21

Right Out: -2059.741+/-1136.807 χ^2/NDF: 24.3/18

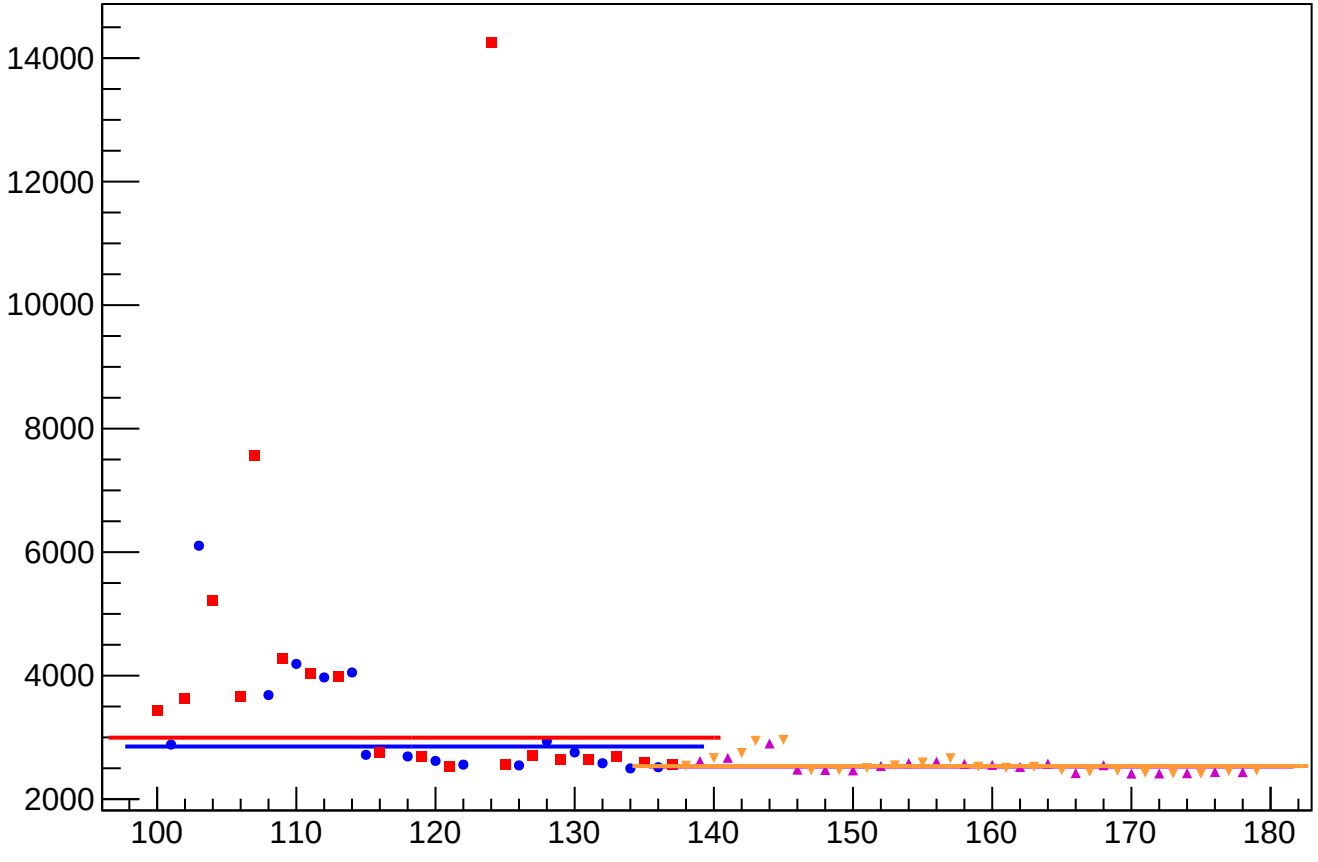
Left In: -1548.242+/-625.947 χ^2/NDF:15.3/19

+ sign 1199.933+/-529.908 χ^2/NDF: 39.5/37

All: -184.703+/-381.045 χ^2/NDF: 93.4/76

- sign -1667.241+/-548.322 χ^2/NDF: 39.8/38

asym_atl1_rms vs Slug



Right In: 2852.206+/-0.767 χ^2/NDF: 648715.2/15

Left Out: 2535.684+/-0.429 χ^2/NDF:100757.9/21

Right Out: 2995.525+/-0.804 χ^2/NDF: 979168.6/18

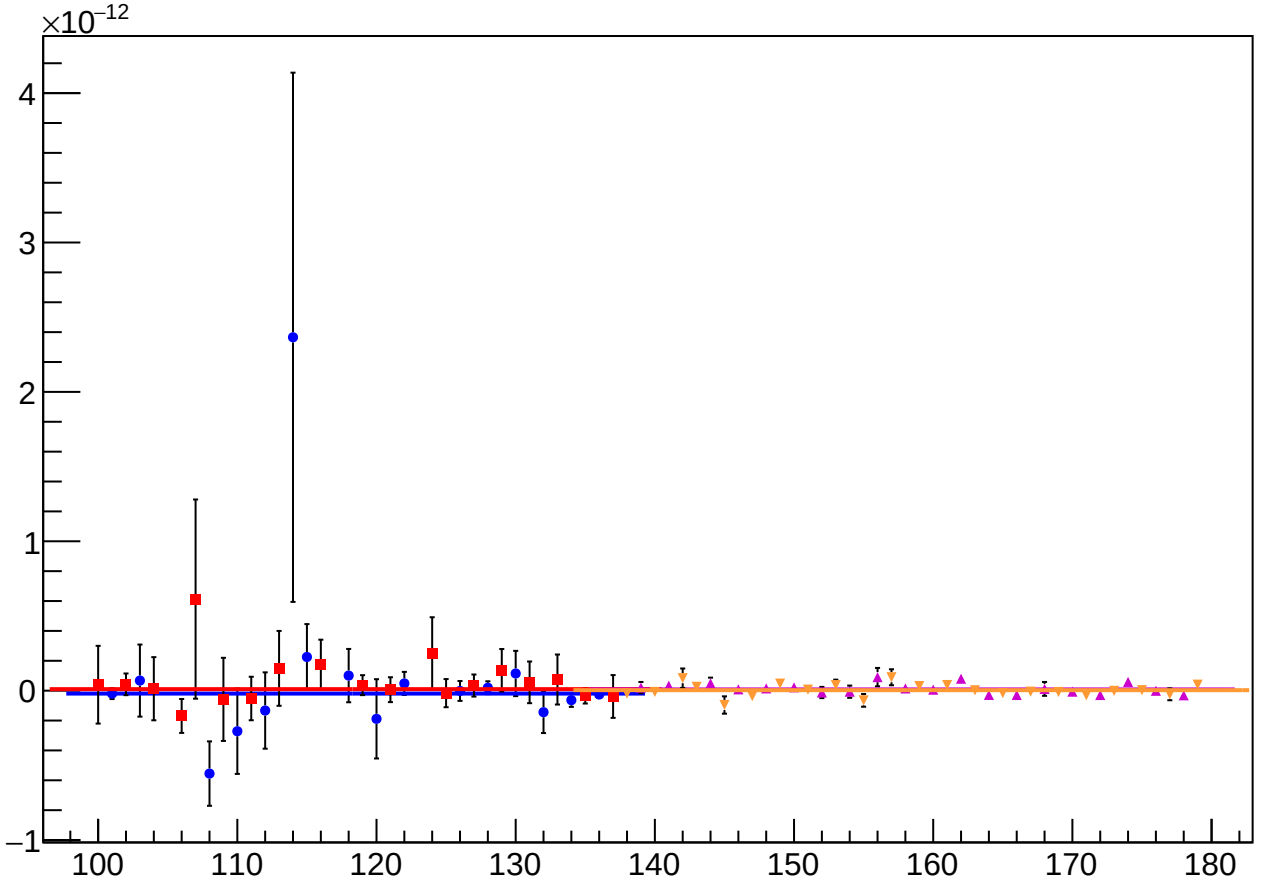
Left In: 2527.922+/-0.443 χ^2/NDF:59462.0/19

+ sign 2611.226+/-0.375 χ^2/NDF: 879130.0/37

All: 2623.532+/-0.269 χ^2/NDF: 2179655.2/76

- sign 2636.709+/-0.388 χ^2/NDF: 1298291.6/38

asym_atl1_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 15.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:27.0/21

Right Out: 0.000+/-0.000 χ^2/NDF: 8.3/18

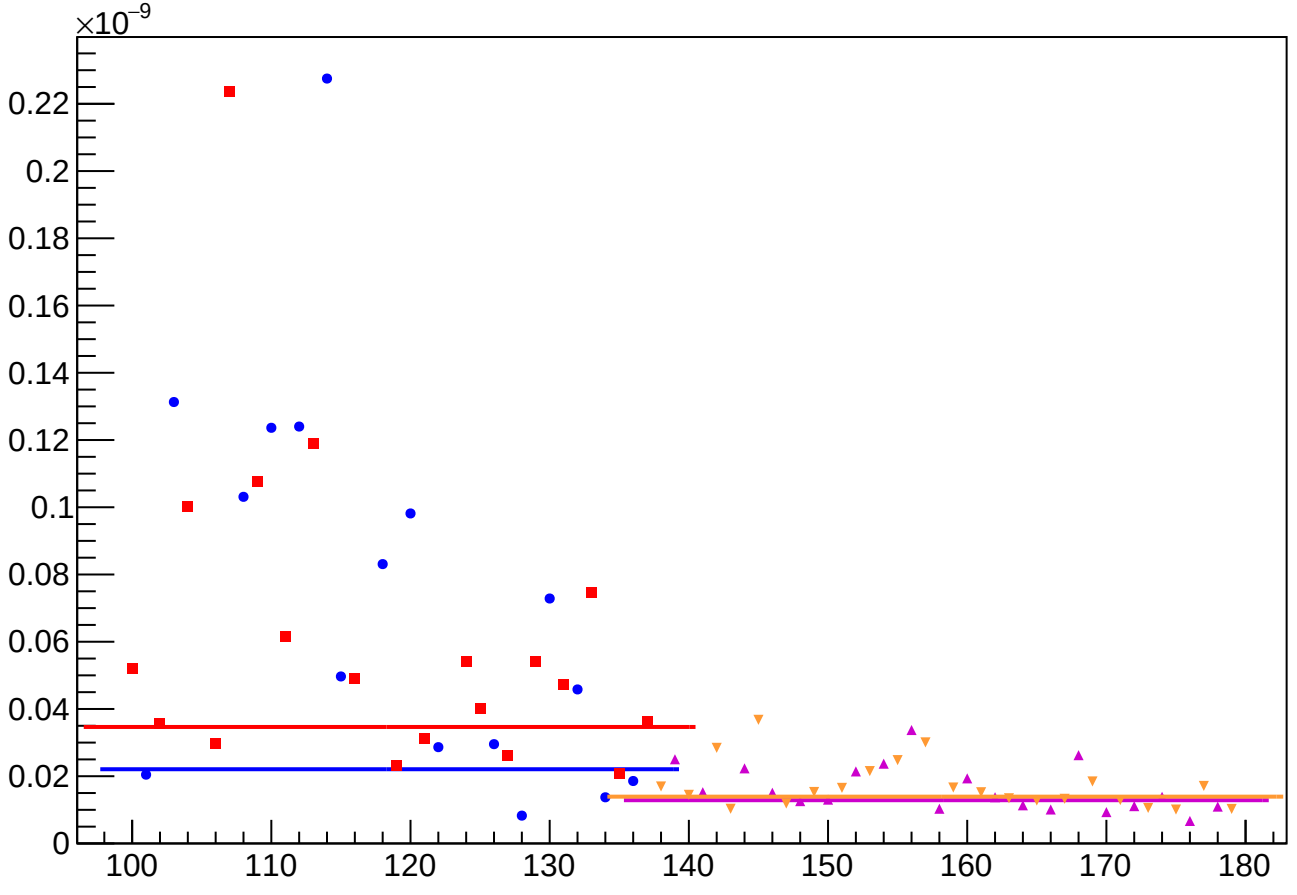
Left In: 0.000+/-0.000 χ^2/NDF:29.3/19

+ sign 0.000+/-0.000 χ^2/NDF: 44.0/37

All: 0.000+/-0.000 χ^2/NDF: 82.6/76

- sign 0.000+/-0.000 χ^2/NDF: 37.7/38

asym_atl1_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2344133.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1257476.8/21

Right Out: 0.000+/-0.000 χ^2/NDF: 1242991.9/18

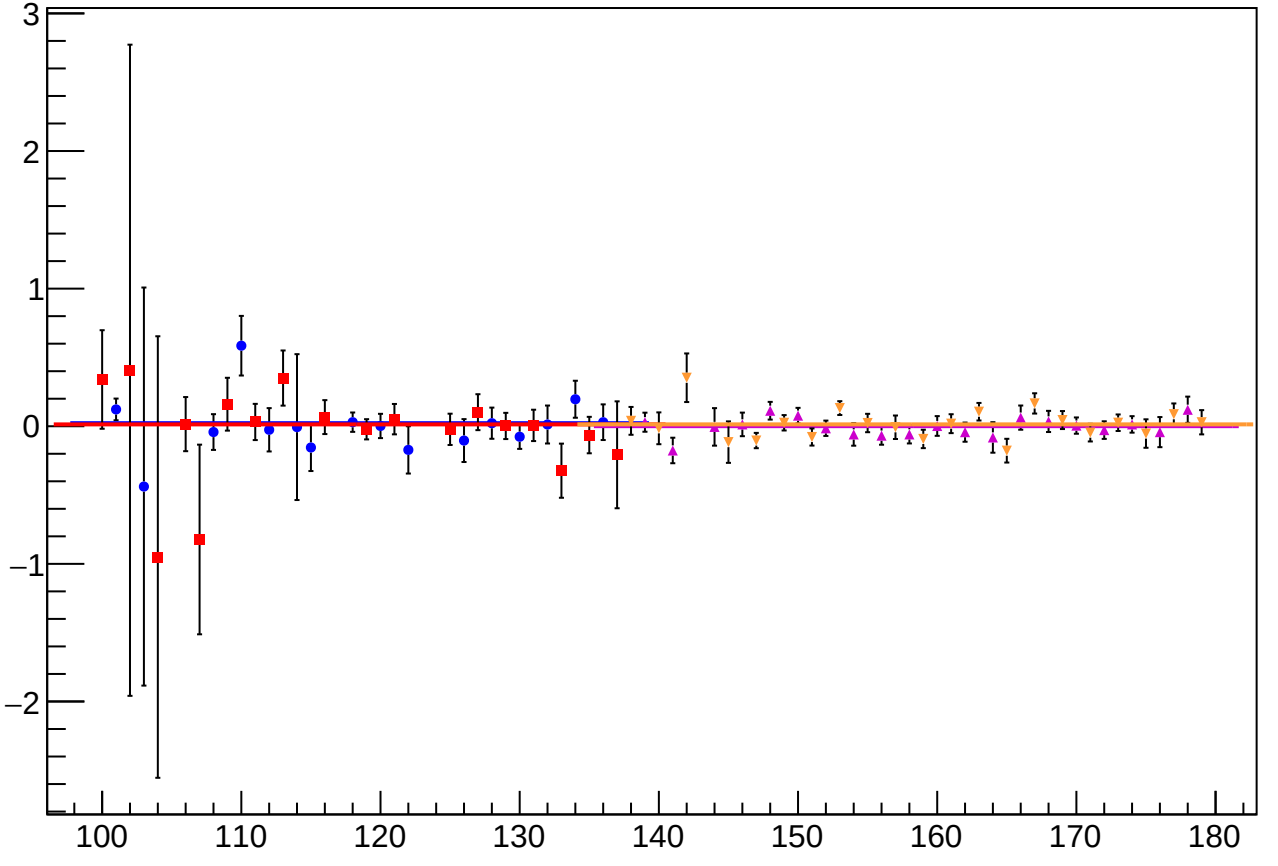
Left In: 0.000+/-0.000 χ^2/NDF:1549364.6/19

+ sign 0.000+/-0.000 χ^2/NDF: 4010882.1/37

All: 0.000+/-0.000 χ^2/NDF: 8326882.6/76

- sign 0.000+/-0.000 χ^2/NDF: 4299447.9/38

asym_atl1_dit_vs_cor_diff_mean vs Slug



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.014+/-0.016 χ^2/NDF:33.1/20

Right Out: 0.013+/-0.033 χ^2/NDF: 10.8/17

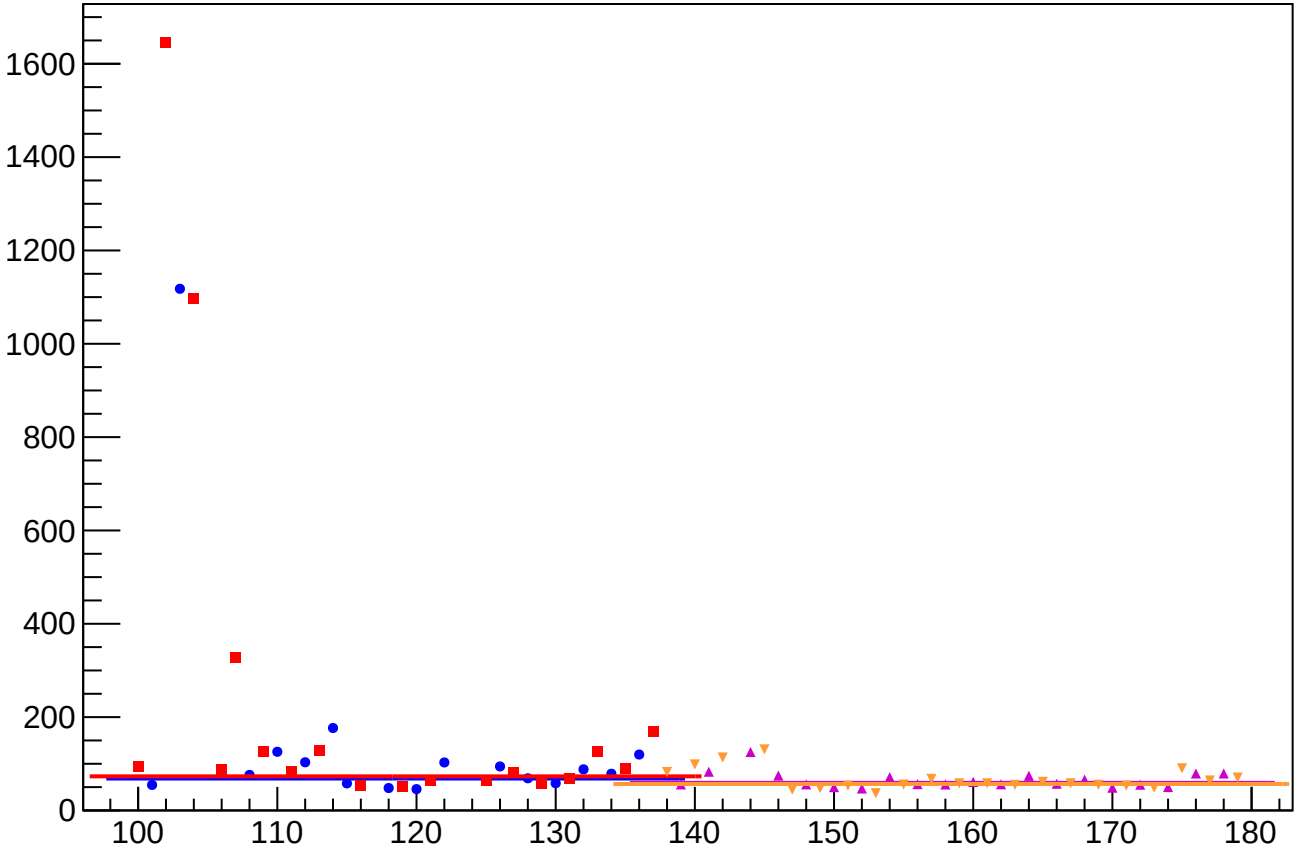
Left In: 0.001+/-0.016 χ^2/NDF:14.8/19

+ sign 0.015+/-0.014 χ^2/NDF: 48.0/36

All: 0.010+/-0.010 χ^2/NDF: 74.1/74

- sign 0.003+/-0.015 χ^2/NDF: 25.8/37

asym_atl1_dit_vs_cor_diff_rms vs Slug



Right In: 68.429+/-0.021 χ^2/NDF: 2278083.9/15

Left Out: 56.763+/-0.011 χ^2/NDF:1908350.4/20

Right Out: 73.072+/-0.024 χ^2/NDF: 2913147.6/17

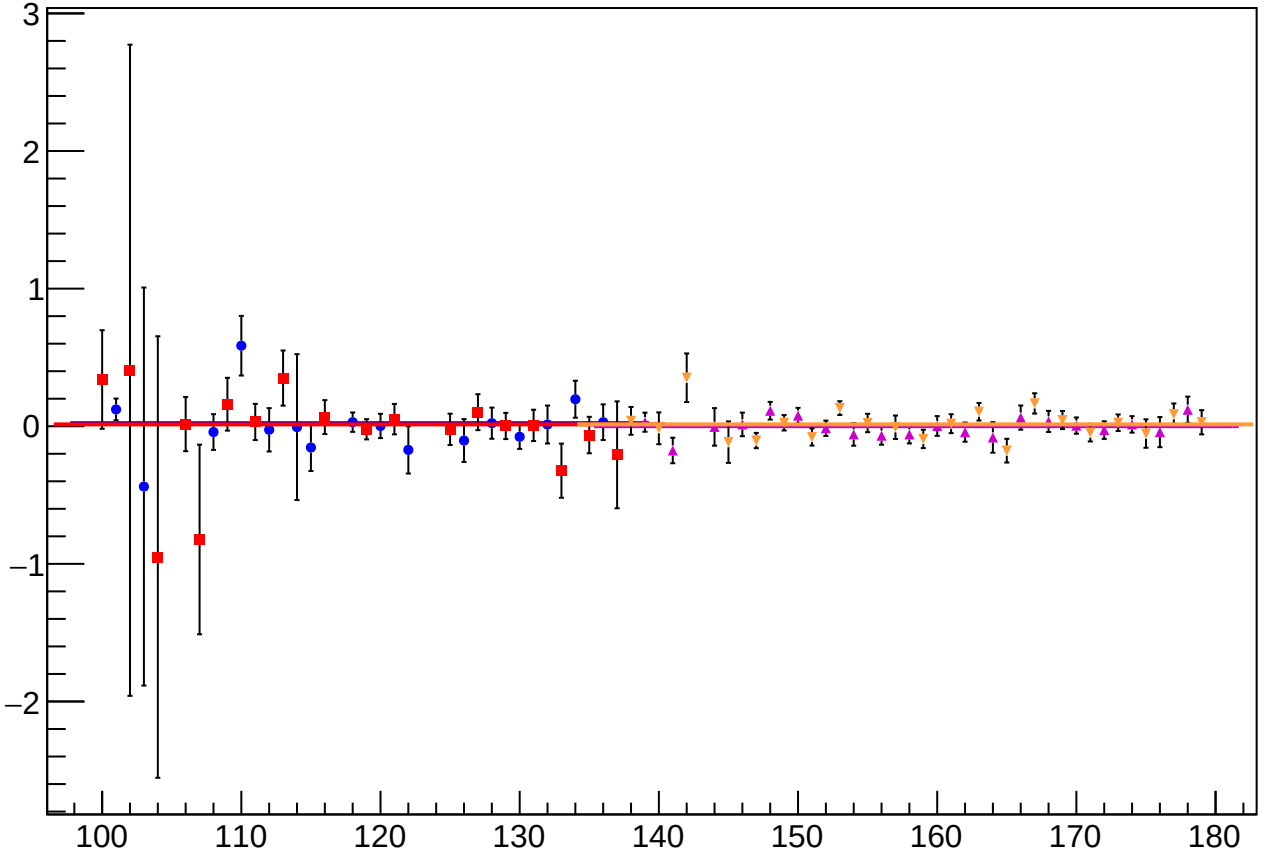
Left In: 59.154+/-0.011 χ^2/NDF:1209214.2/19

+ sign 59.256+/-0.010 χ^2/NDF: 4421886.6/36

All: 60.472+/-0.007 χ^2/NDF: 8855921.0/74

- sign 61.809+/-0.010 χ^2/NDF: 4402080.0/37

asym_atl1_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.014+/-0.016 χ^2/NDF:33.1/20

Right Out: 0.013+/-0.033 χ^2/NDF: 10.8/17

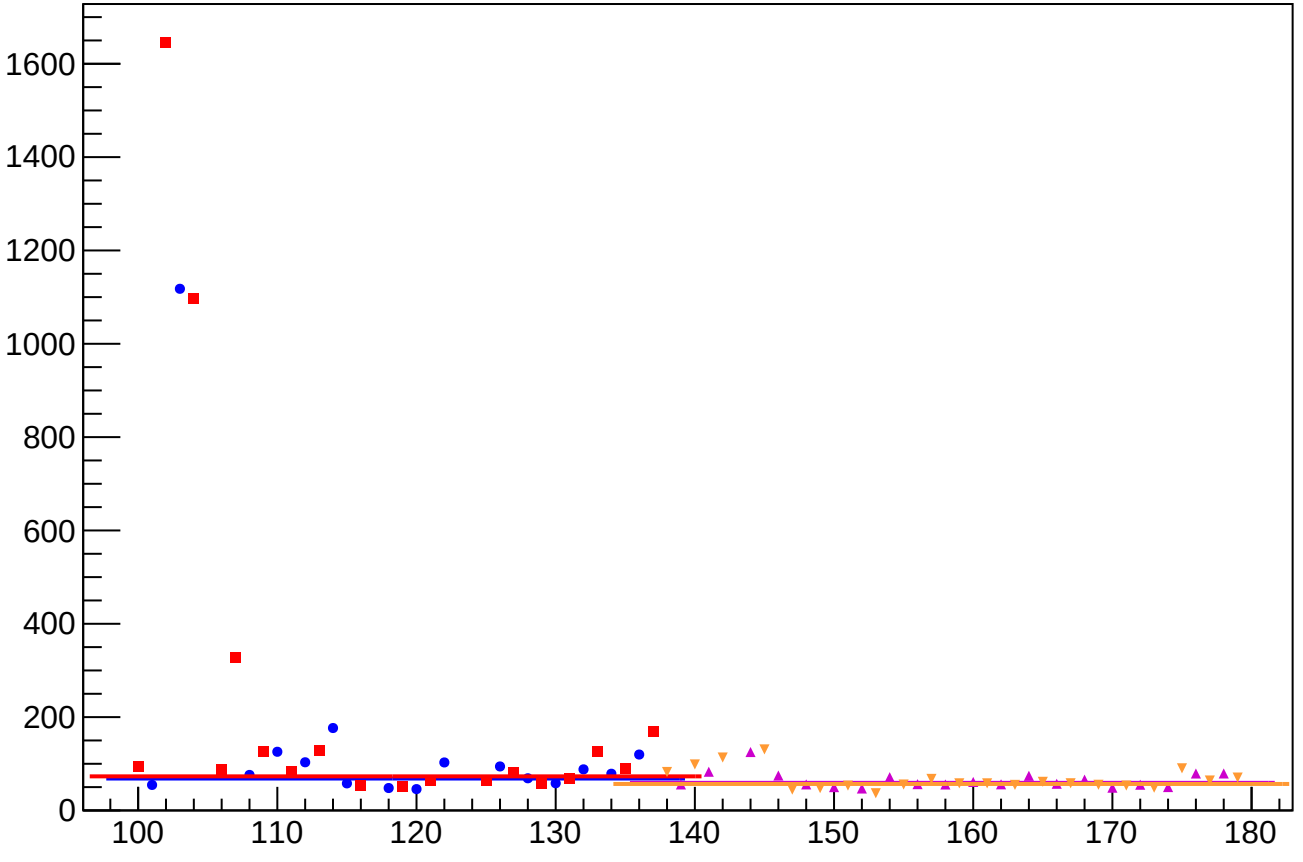
Left In: 0.001+/-0.016 χ^2/NDF:14.8/19

+ sign 0.015+/-0.014 χ^2/NDF: 48.0/36

All: 0.010+/-0.010 χ^2/NDF: 74.1/74

- sign 0.003+/-0.015 χ^2/NDF: 25.8/37

asym_atl1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 68.429+/-0.021 χ^2/NDF: 2278083.9/15

Left Out: 56.763+/-0.011 χ^2/NDF:1908350.4/20

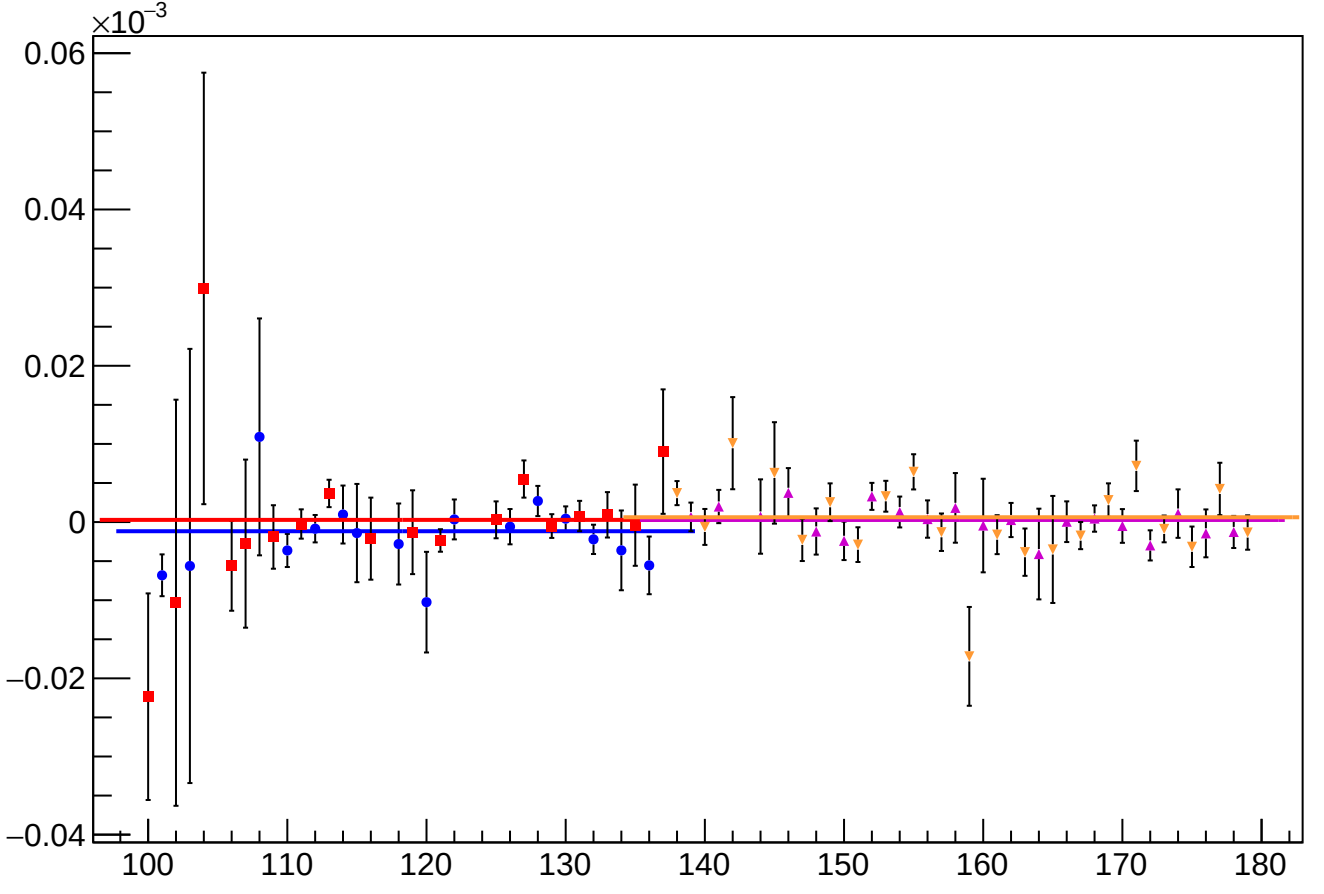
Right Out: 73.072+/-0.024 χ^2/NDF: 2913147.6/17

Left In: 59.154+/-0.011 χ^2/NDF:1209214.2/19

+ sign 59.256+/-0.010 χ^2/NDF: 4421886.6/36

All: 60.472+/-0.007 χ^2/NDF: 8855921.0/74

- sign 61.809+/-0.010 χ^2/NDF: 4402080.0/37



Right In: -0.000+/-0.000 χ^2/NDF: 16.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:44.2/20

Right Out: 0.000+/-0.000 χ^2/NDF: 19.5/17

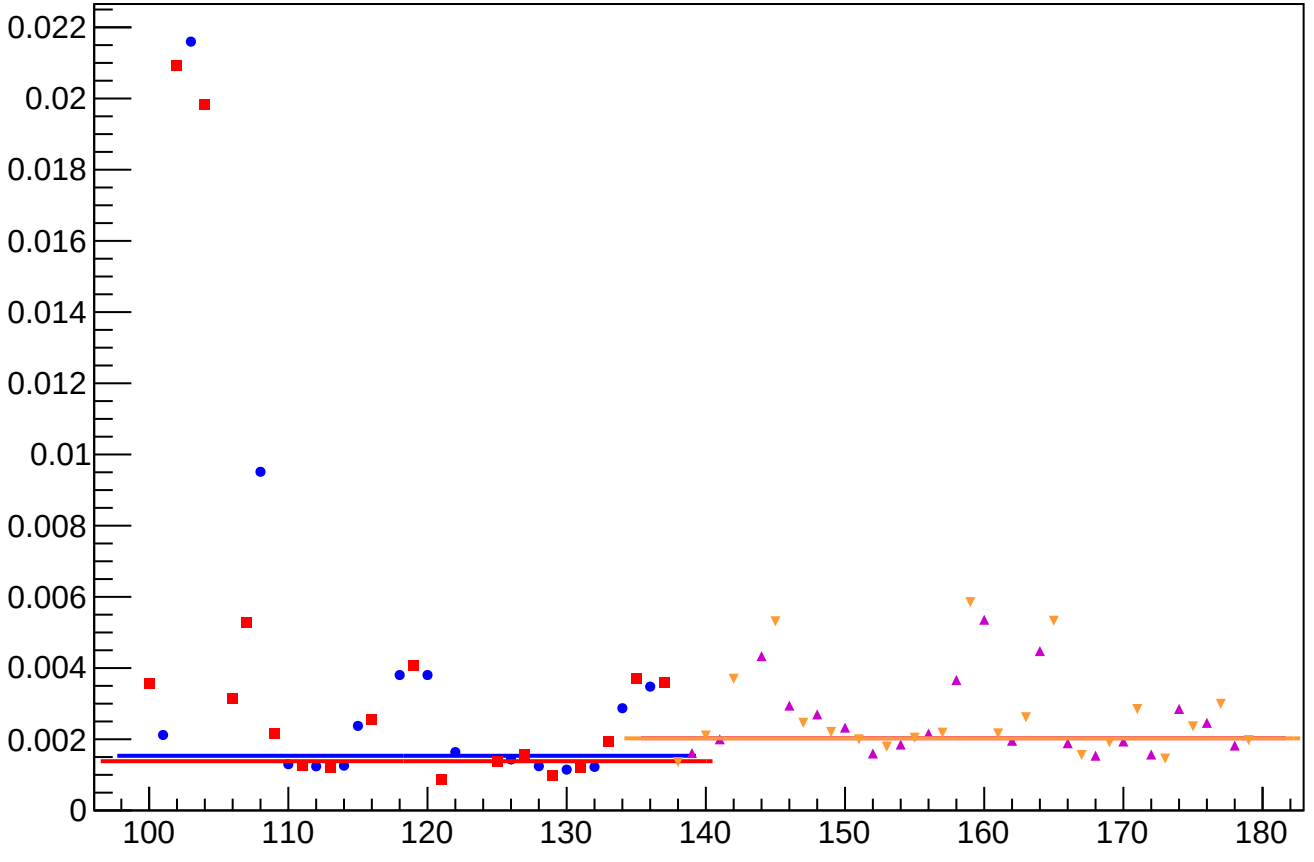
Left In: 0.000+/-0.000 χ^2/NDF:11.3/19

+ sign -0.000+/-0.000 χ^2/NDF: 64.9/36

All: 0.000+/-0.000 χ^2/NDF: 96.1/74

- sign 0.000+/-0.000 χ^2/NDF: 30.8/37

asym_atl1_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 3373907.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:3137810.8/20

Right Out: 0.001+/-0.000 χ^2/NDF: 4269081.2/17

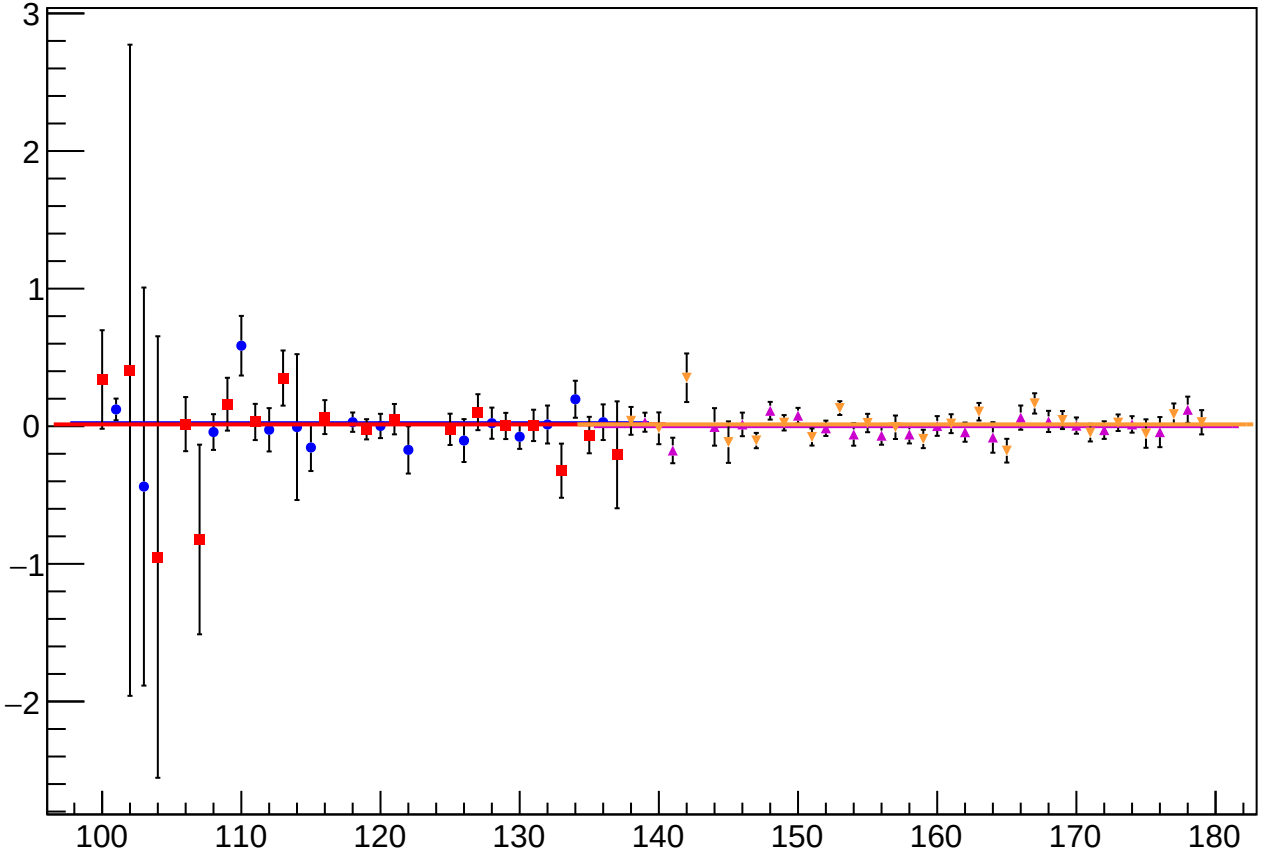
Left In: 0.002+/-0.000 χ^2/NDF:2755384.5/19

+ sign 0.002+/-0.000 χ^2/NDF: 7175240.6/36

All: 0.002+/-0.000 χ^2/NDF: 15444782.6/74

- sign 0.002+/-0.000 χ^2/NDF: 8236105.3/37

asym_atl1_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.014+/-0.016 χ^2/NDF:33.1/20

Right Out: 0.013+/-0.033 χ^2/NDF: 10.8/17

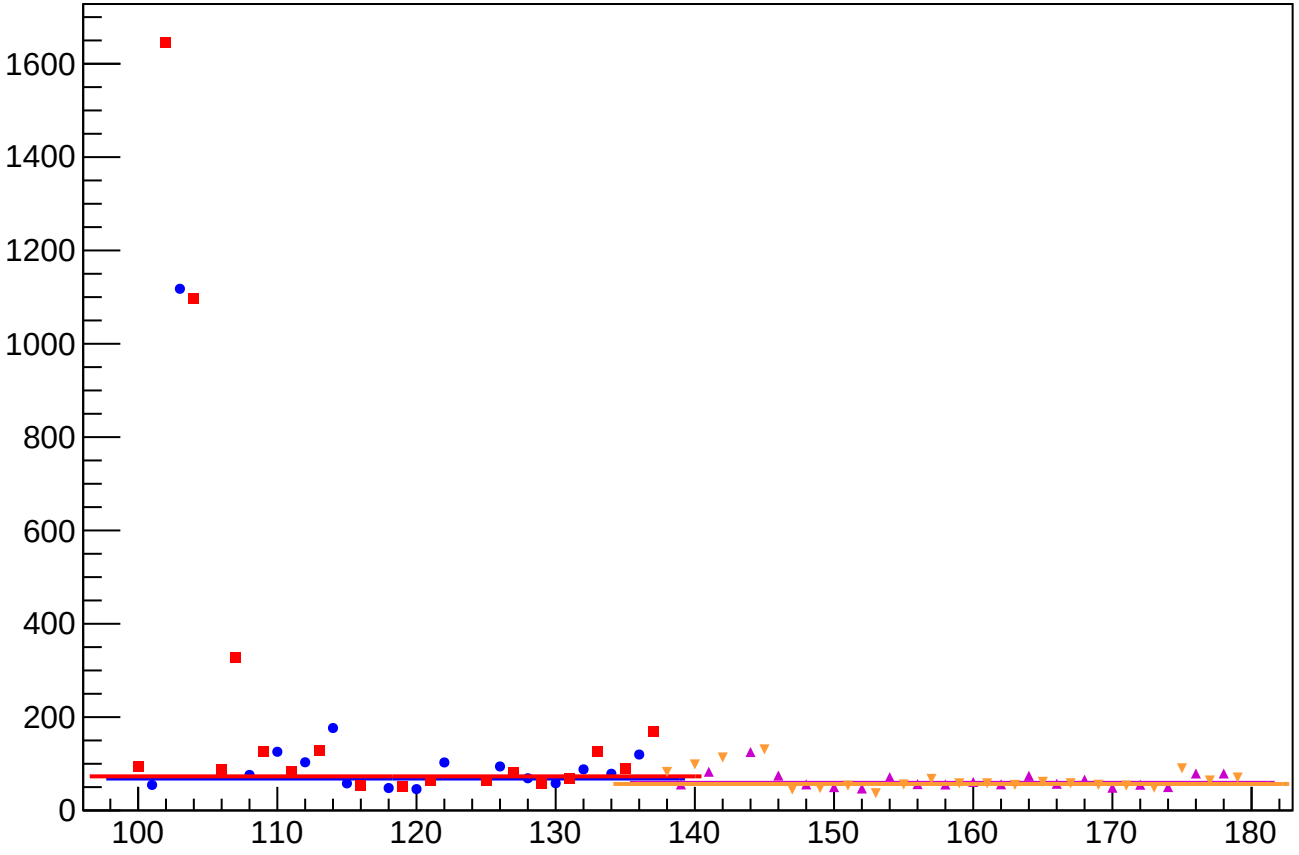
Left In: 0.001+/-0.016 χ^2/NDF:14.8/19

+ sign 0.015+/-0.014 χ^2/NDF: 48.0/36

All: 0.010+/-0.010 χ^2/NDF: 74.1/74

- sign 0.003+/-0.015 χ^2/NDF: 25.8/37

asym_atl1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 68.428+/-0.021 χ^2/NDF: 2278168.9/15

Left Out: 56.763+/-0.011 χ^2/NDF:1908423.1/20

Right Out: 73.072+/-0.024 χ^2/NDF: 2913161.9/17

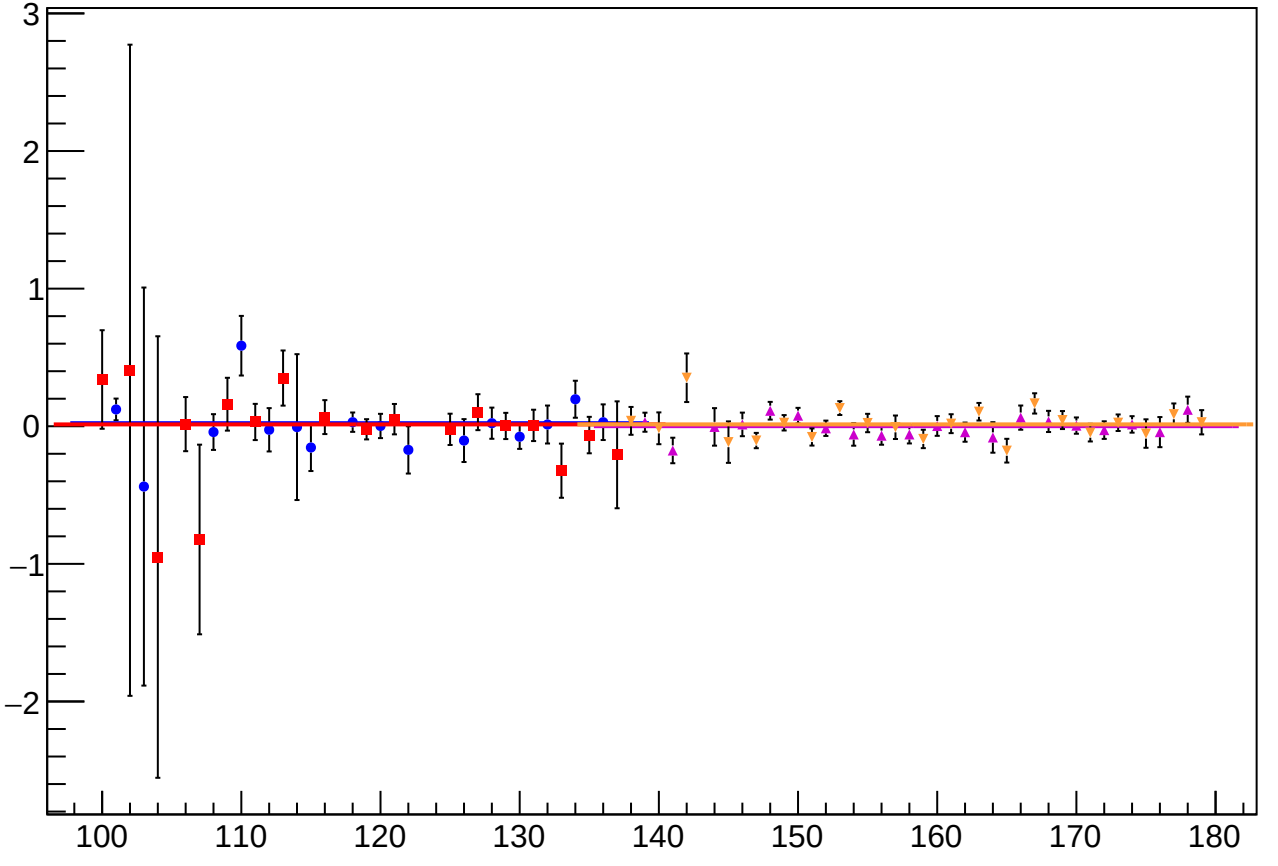
Left In: 59.155+/-0.011 χ^2/NDF:1209191.4/19

+ sign 59.256+/-0.010 χ^2/NDF: 4422007.1/36

All: 60.472+/-0.007 χ^2/NDF: 8856011.4/74

- sign 61.810+/-0.010 χ^2/NDF: 4402043.8/37

asym_atl1_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.014+/-0.016 χ^2/NDF:33.1/20

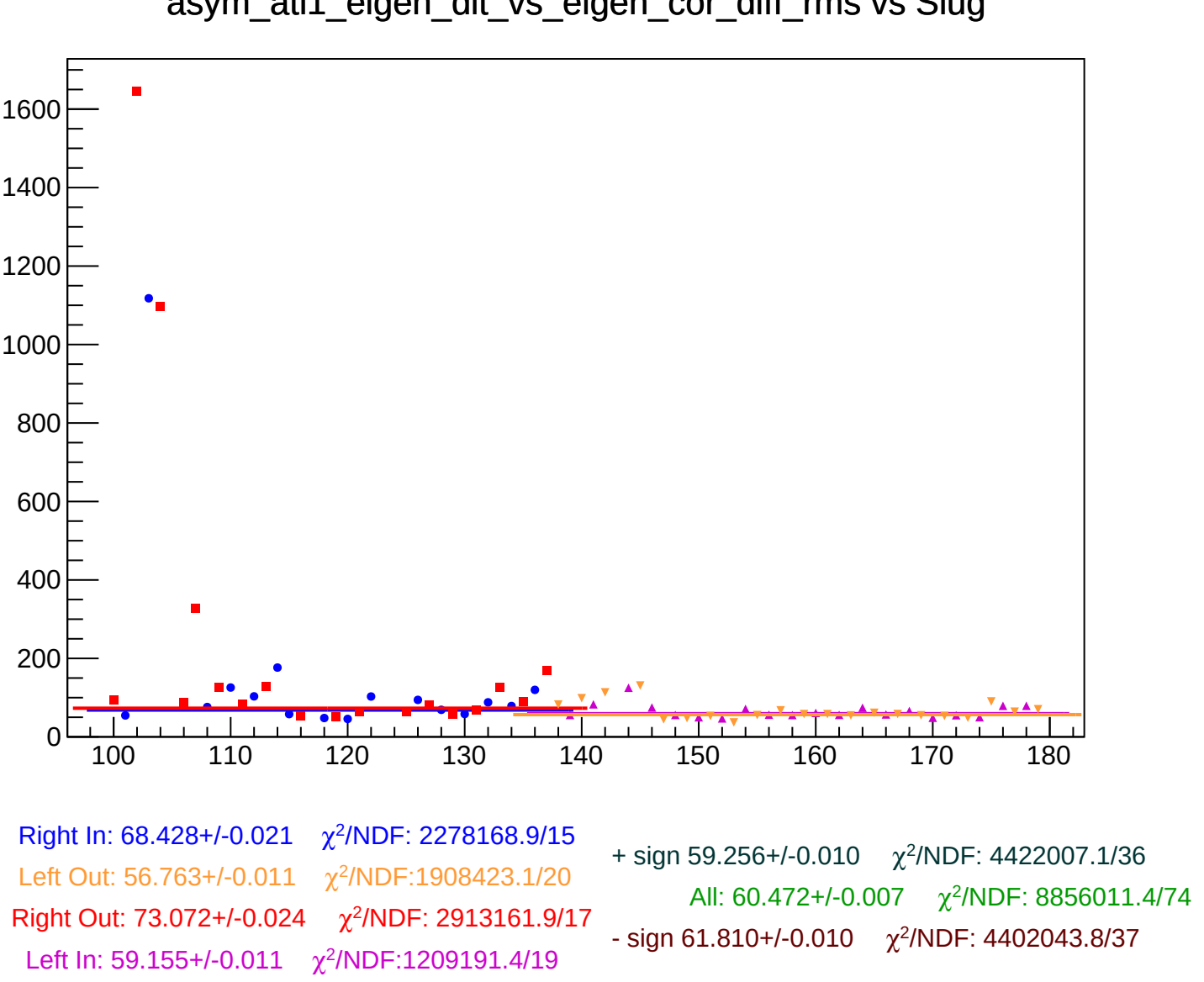
Right Out: 0.013+/-0.033 χ^2/NDF: 10.8/17

Left In: 0.001+/-0.016 χ^2/NDF:14.8/19

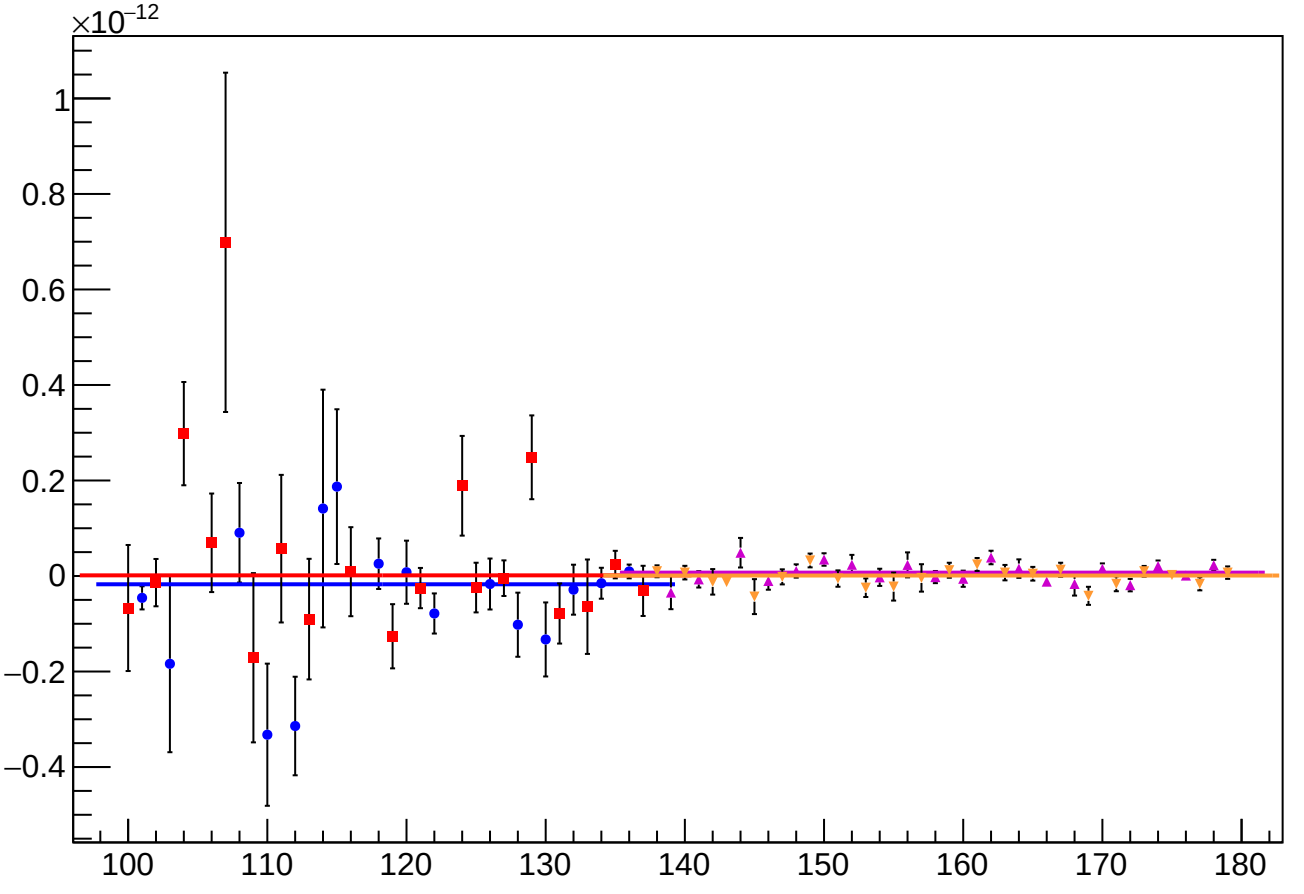
+ sign 0.015+/-0.014 χ^2/NDF: 48.0/36

All: 0.010+/-0.010 χ^2/NDF: 74.1/74

- sign 0.003+/-0.015 χ^2/NDF: 25.8/37


asym_atl1_eigen_dit_vs_eigen_cor_diff_rms vs Slug
1600
1400
1200
1000
800
600
400
200
0
100
110
120
130
140
150
160
170
180
Right In: 68.428+/-0.021 χ²/NDF: 2278168.9/15
Left Out: 56.763+/-0.011 χ²/NDF:1908423.1/20
Right Out: 73.072+/-0.024 χ²/NDF: 2913161.9/17
Left In: 59.155+/-0.011 χ²/NDF:1209191.4/19
+ sign 59.256+/-0.010 χ²/NDF: 4422007.1/36
All: 60.472+/-0.007 χ²/NDF: 8856011.4/74
- sign 61.810+/-0.010 χ²/NDF: 4402043.8/37

asym_atl1_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 28.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:24.8/21

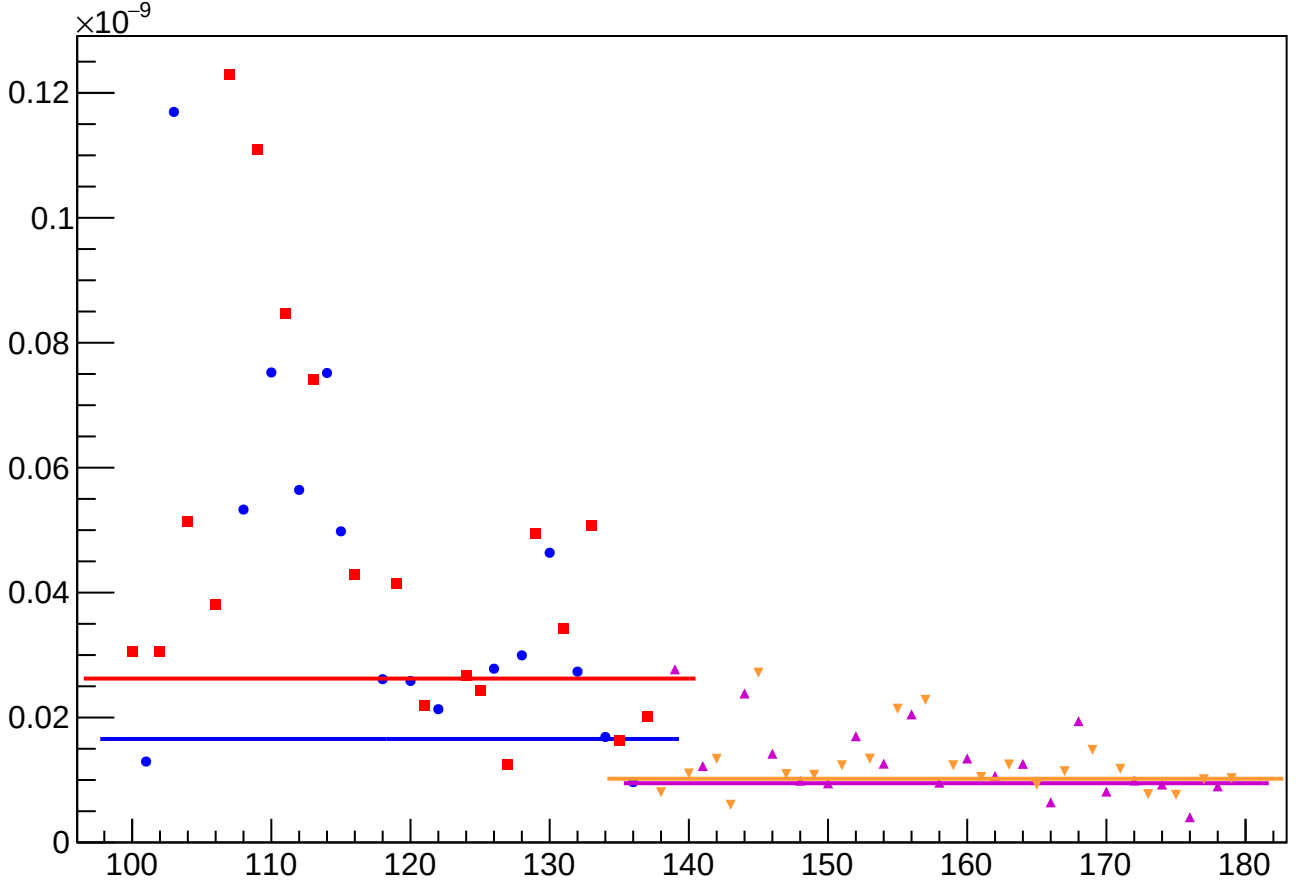
Right Out: 0.000+/-0.000 χ^2/NDF: 32.3/18

Left In: 0.000+/-0.000 χ^2/NDF:29.8/19

+ sign -0.000+/-0.000 χ^2/NDF: 56.2/37

All: 0.000+/-0.000 χ^2/NDF: 121.4/76

- sign 0.000+/-0.000 χ^2/NDF: 62.2/38



Right In: 0.000+/-0.000 χ^2/NDF: 2823424.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:2187196.6/21

Right Out: 0.000+/-0.000 χ^2/NDF: 2346394.7/18

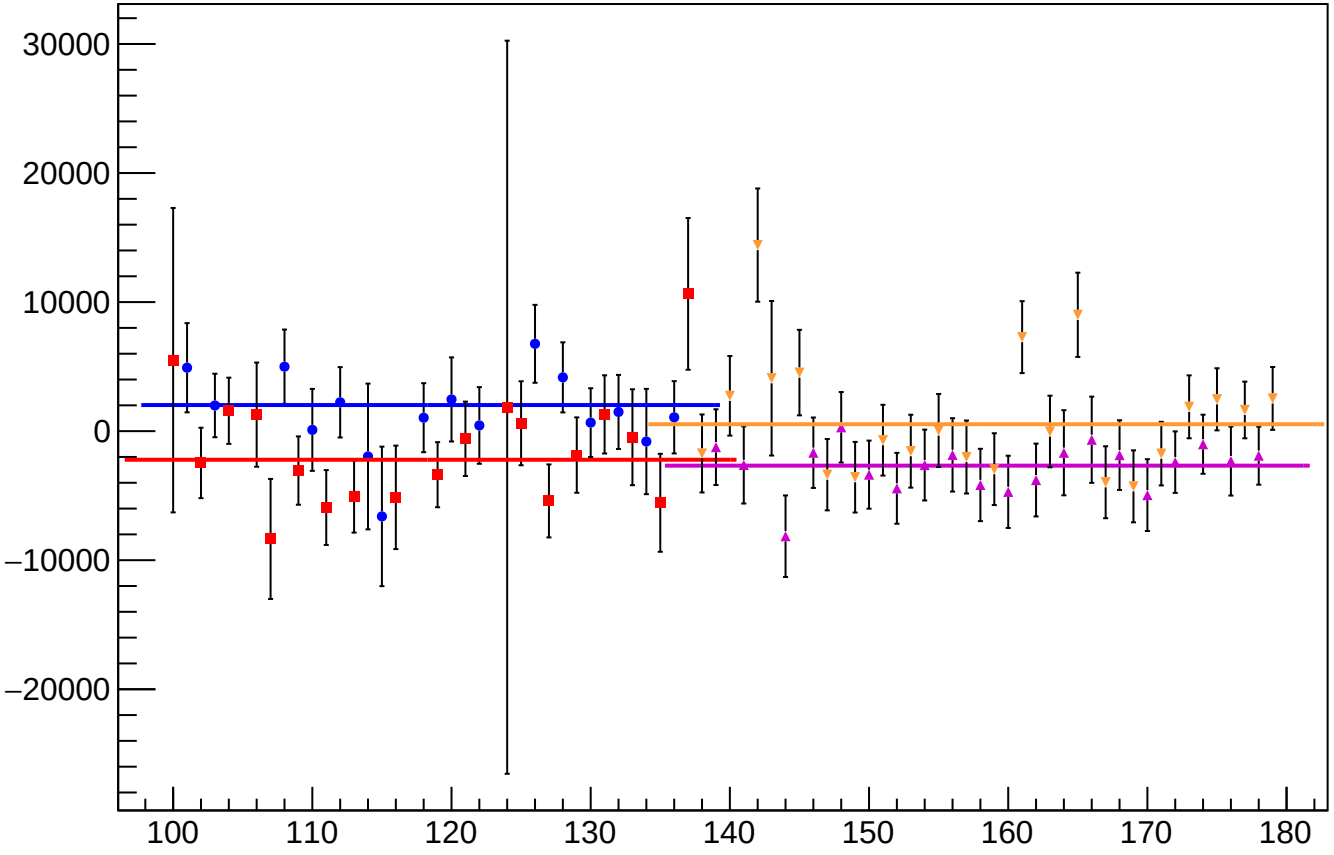
Left In: 0.000+/-0.000 χ^2/NDF:3669734.6/19

+ sign 0.000+/-0.000 χ^2/NDF: 5750511.6/37

All: 0.000+/-0.000 χ^2/NDF: 14431375.1/76

- sign 0.000+/-0.000 χ^2/NDF: 8651344.5/38

reg_asym_atl2_mean vs Slug



Right In: 2022.690+/-764.357 χ^2/NDF: 9.6/15

Left Out: 535.499+/-599.841 χ^2/NDF:41.3/21

Right Out: -2217.261+/-756.139 χ^2/NDF: 18.1/18

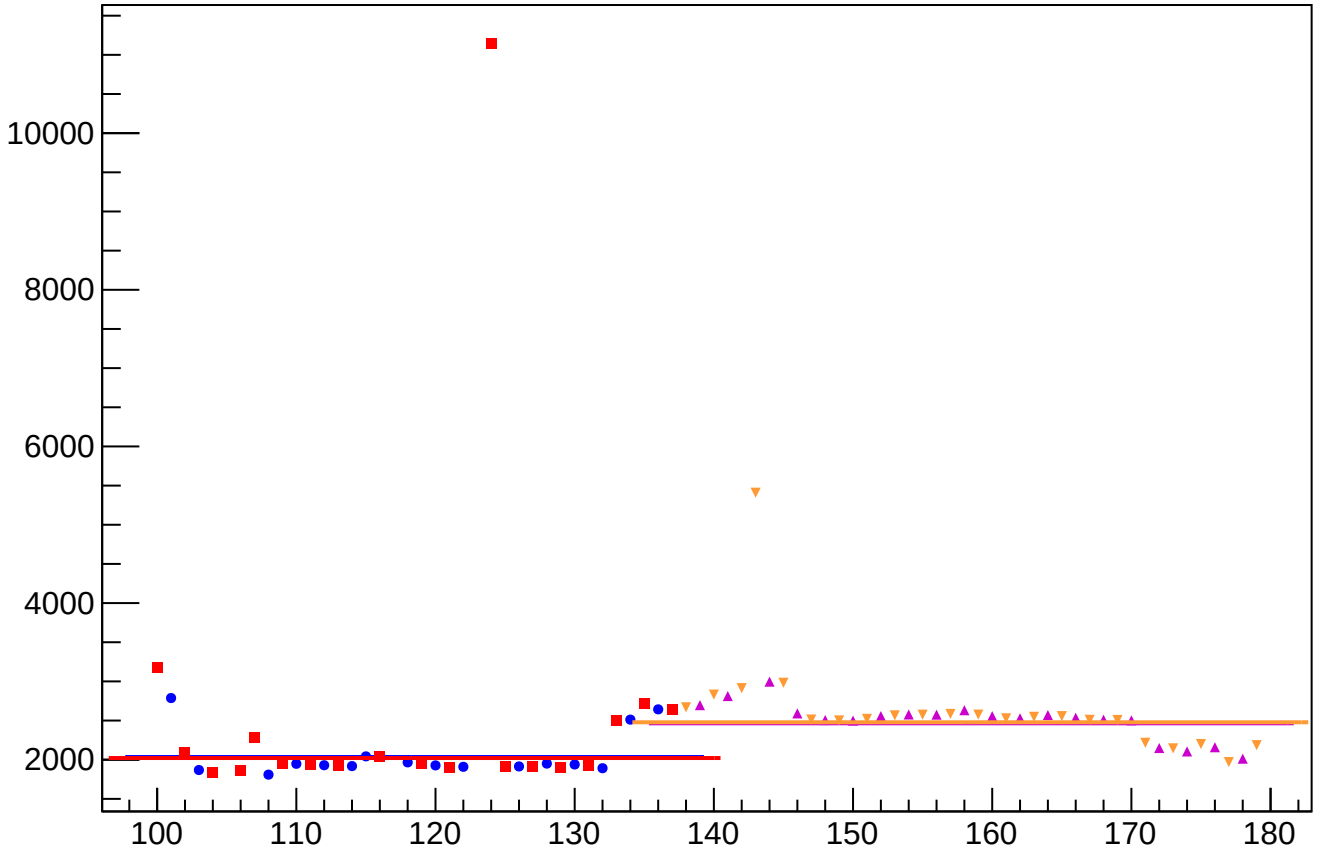
Left In: -2673.606+/-612.816 χ^2/NDF:8.0/19

+ sign 1102.317+/-471.883 χ^2/NDF: 53.2/37

All: -679.230+/-335.150 χ^2/NDF: 108.3/76

- sign -2492.693+/-476.092 χ^2/NDF: 26.3/38

reg_asym_atl2_rms vs Slug



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.7/15

Left Out: 2478.025+/-0.424 χ^2/NDF:816477.8/21

Right Out: 2021.545+/-0.535 χ^2/NDF: 390321.3/18

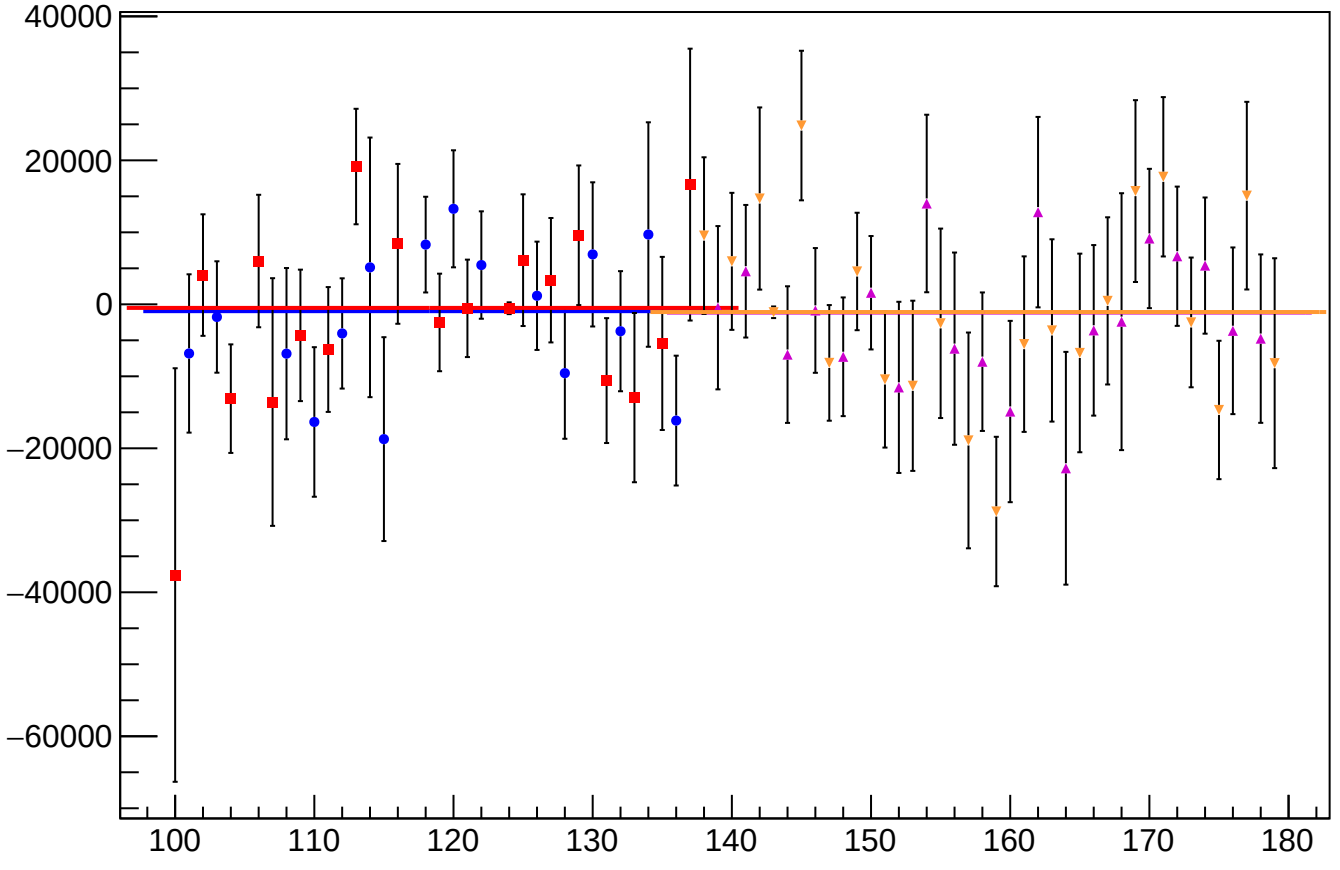
Left In: 2464.745+/-0.433 χ^2/NDF:315461.0/19

+ sign 2308.853+/-0.334 χ^2/NDF: 1496825.6/37

All: 2299.036+/-0.237 χ^2/NDF: 2619067.3/76

- sign 2289.043+/-0.337 χ^2/NDF: 1120494.9/38

asym_atl2_reg_correction_mean vs Slug



Right In: -950.519+/-2278.532 χ^2/NDF: 15.3/15

Left Out: -1071.511+/-764.249 χ^2/NDF:29.6/21

Right Out: -497.346+/-768.286 χ^2/NDF: 18.5/18

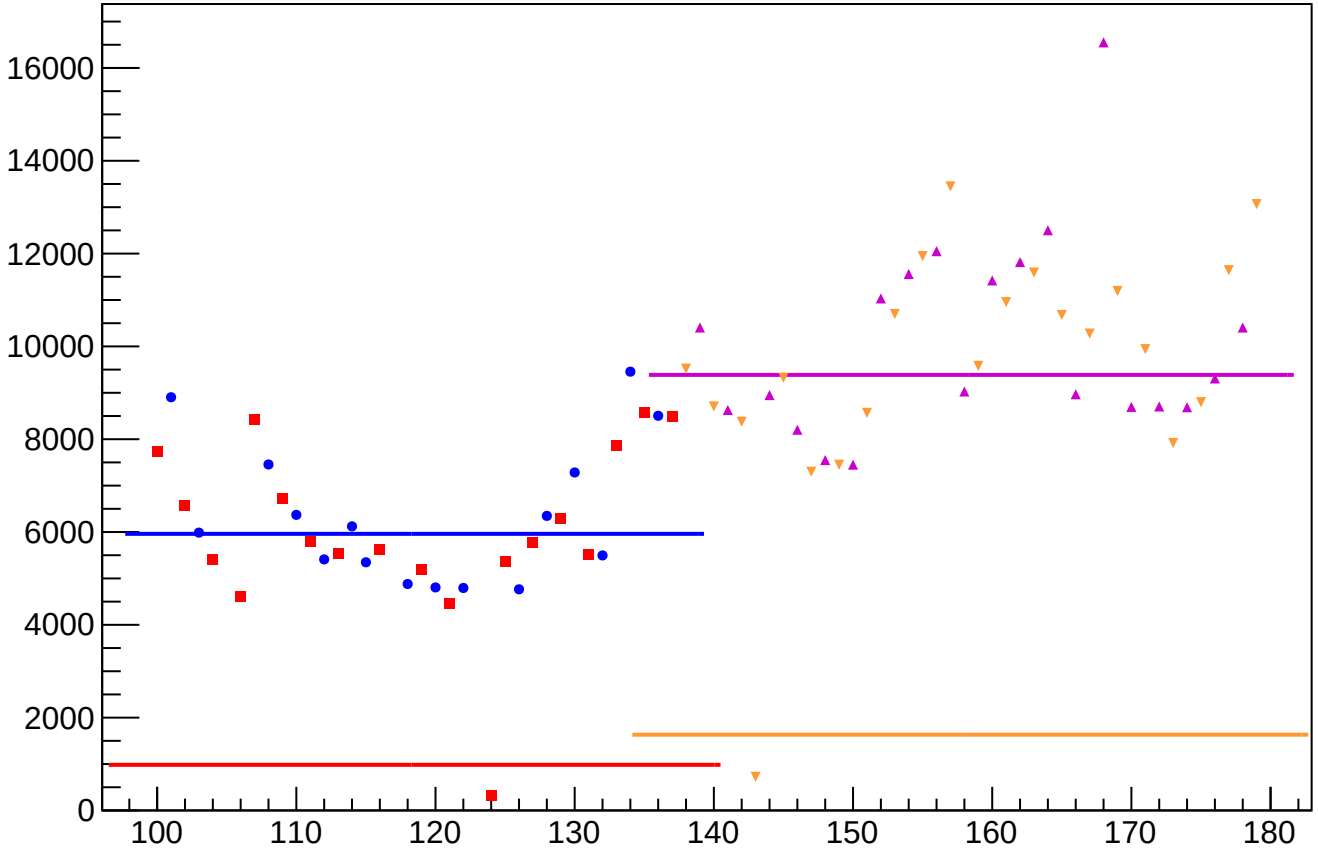
Left In: -1144.148+/-2368.007 χ^2/NDF:10.9/19

+ sign -1059.276+/-724.577 χ^2/NDF: 45.0/37

All: -811.246+/-514.534 χ^2/NDF: 74.6/76

- sign -558.947+/-730.786 χ^2/NDF: 29.4/38

asym_atl2_reg_correction_rms vs Slug



Right In: 5960.802+/-1.611 χ^2/NDF: 689267.6/15

Left Out: 1632.889+/-0.540 χ^2/NDF:25401035.6/21

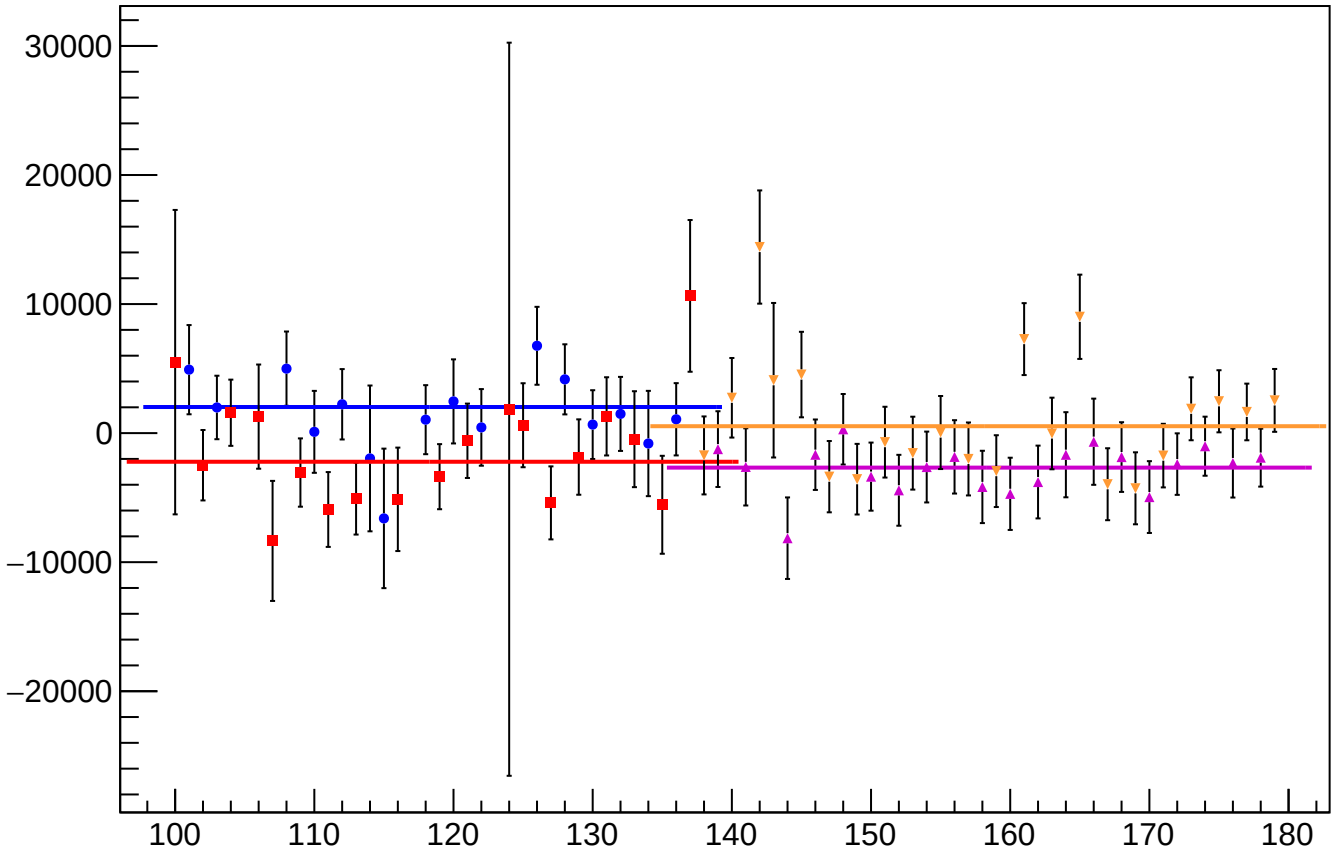
Right Out: 983.316+/-0.543 χ^2/NDF: 11416689.8/18

Left In: 9386.245+/-1.674 χ^2/NDF:1039514.7/19

+ sign 2070.550+/-0.512 χ^2/NDF: 32576288.6/37

All: 1928.300+/-0.364 χ^2/NDF: 67973530.6/7

- sign 1783.602+/-0.517 χ^2/NDF: 35241747.1/38



Right In: 2022.816+/-764.357 χ^2/NDF: 9.6/15

Left Out: 535.456+/-599.841 χ^2/NDF:41.3/21

Right Out: -2219.099+/-756.147 χ^2/NDF: 18.1/18

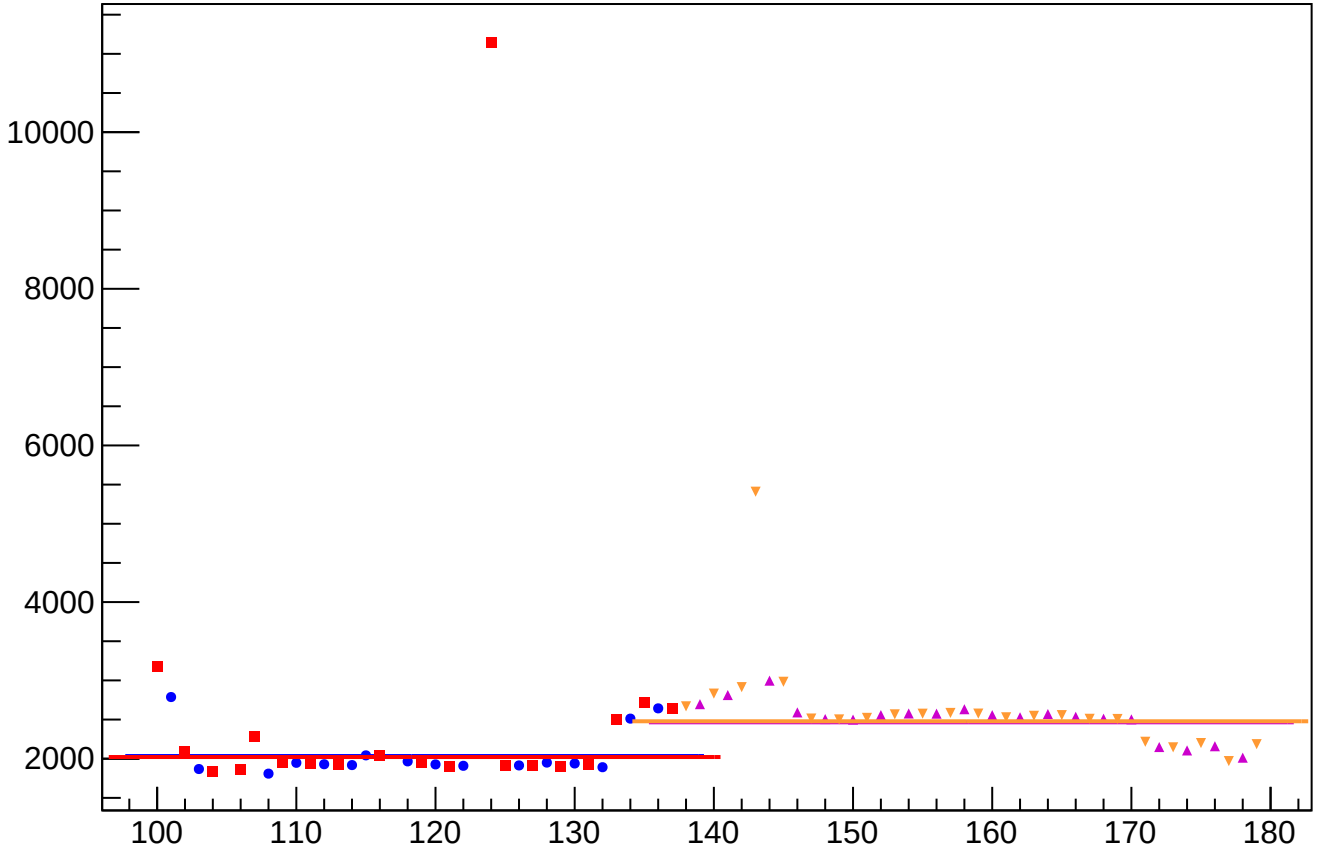
Left In: -2673.562+/-612.816 χ^2/NDF:8.0/19

+ sign 1102.338+/-471.883 χ^2/NDF: 53.2/37

All: -679.561+/-335.151 χ^2/NDF: 108.3/76

- sign -2493.397+/-476.093 χ^2/NDF: 26.3/38

cor_asym_atl2_rms vs Slug



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.5/15

Left Out: 2478.025+/-0.424 χ^2/NDF:816477.8/21

Right Out: 2021.566+/-0.535 χ^2/NDF: 390333.0/18

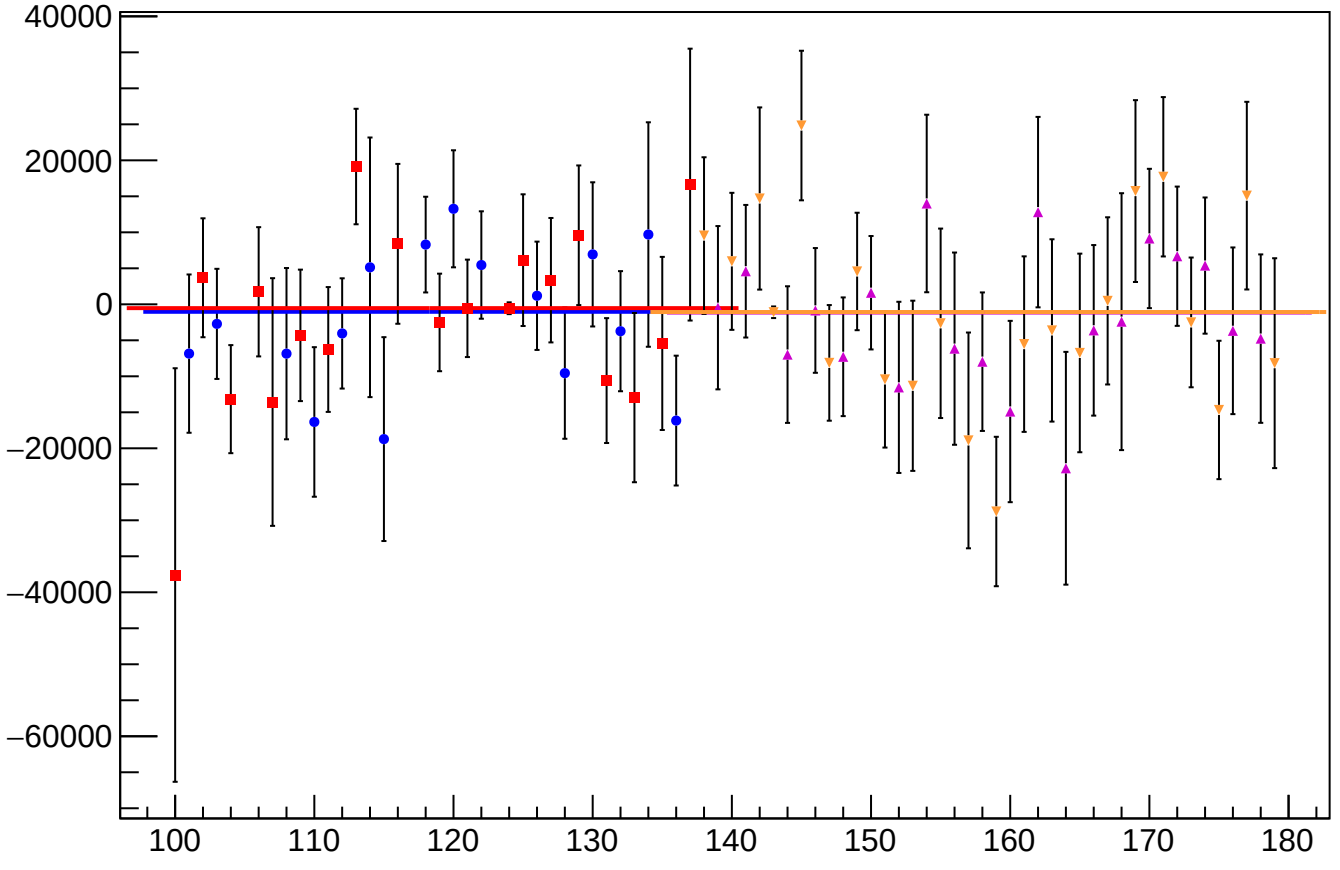
Left In: 2464.745+/-0.433 χ^2/NDF:315461.0/19

+ sign 2308.853+/-0.334 χ^2/NDF: 1496825.8/37

All: 2299.041+/-0.237 χ^2/NDF: 2619031.9/76

- sign 2289.054+/-0.337 χ^2/NDF: 1120461.3/38

asym_atl2_cor_correction_mean vs Slug



Right In: -1037.942+/-2276.180 χ^2/NDF: 15.4/15

Left Out: -1071.287+/-764.183 χ^2/NDF:29.6/21

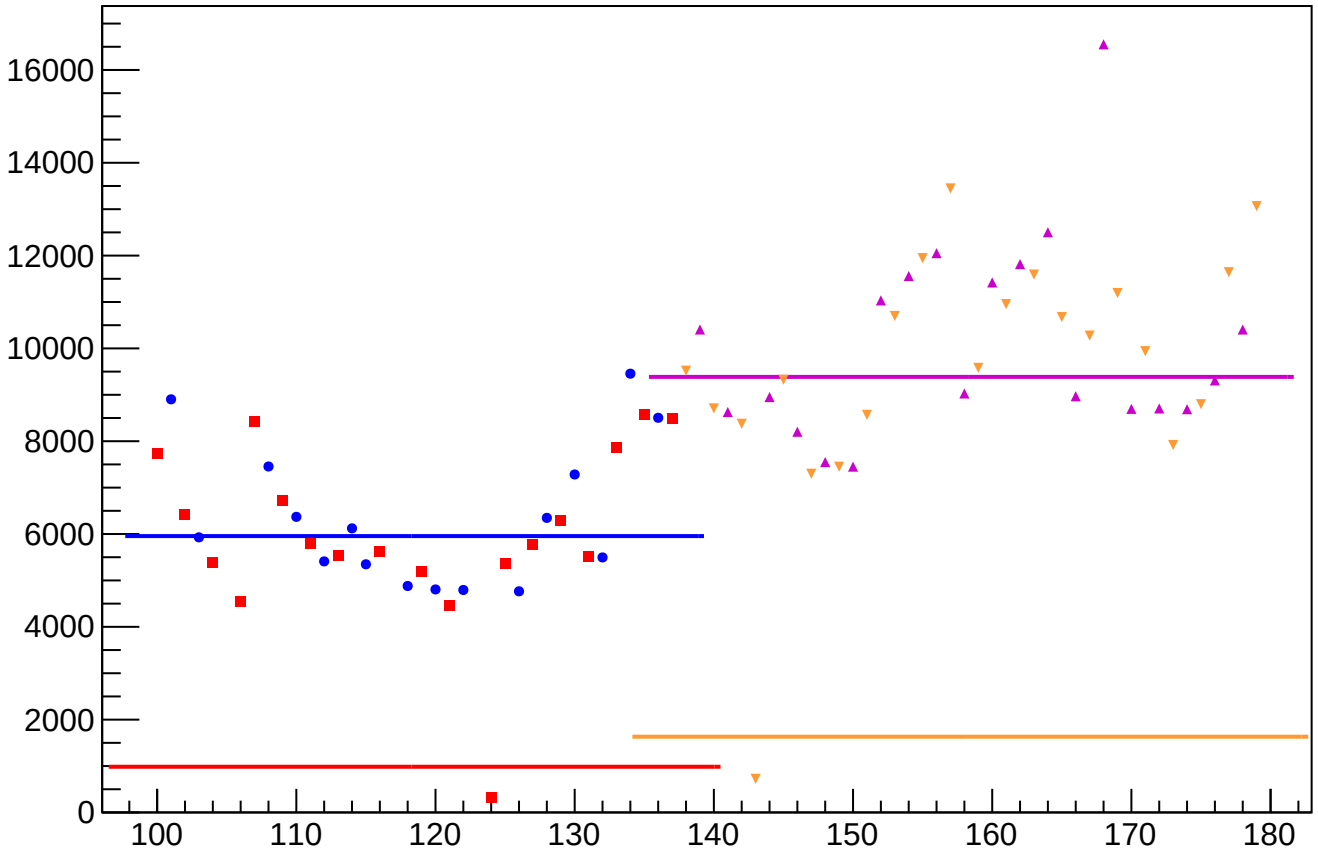
Right Out: -530.662+/-767.947 χ^2/NDF: 18.0/18

Left In: -1144.290+/-2368.005 χ^2/NDF:10.9/19

+ sign -1067.910+/-724.445 χ^2/NDF: 45.0/37

All: -830.474+/-514.385 χ^2/NDF: 74.2/76

- sign -589.056+/-730.494 χ^2/NDF: 29.0/38



Right In: 5955.638+/-1.610 χ^2/NDF: 689141.5/15

Left Out: 1632.670+/-0.540 χ^2/NDF:25401910.8/21

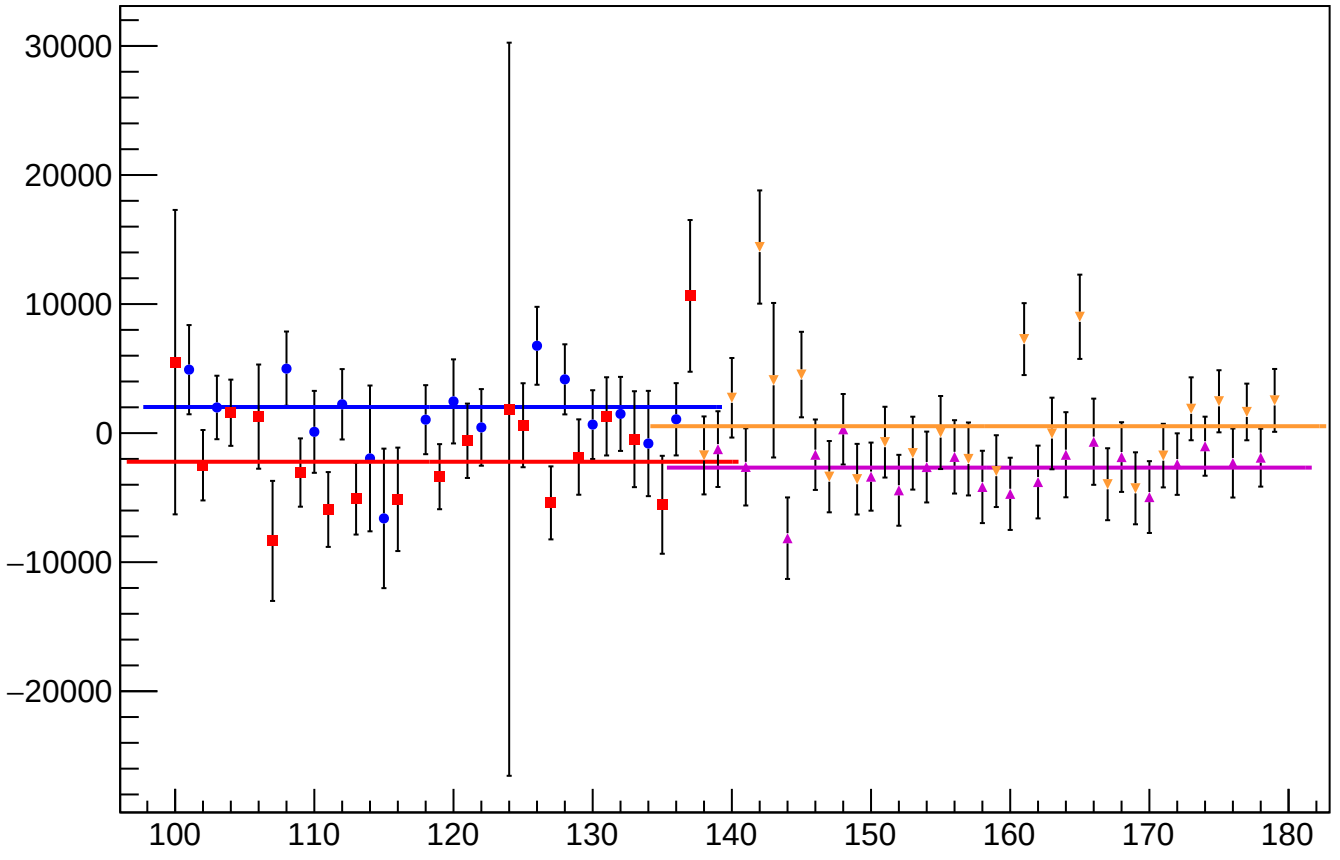
Right Out: 985.045+/-0.543 χ^2/NDF: 11412843.1/18

Left In: 9386.235+/-1.674 χ^2/NDF:1039521.6/19

+ sign 2070.574+/-0.512 χ^2/NDF: 32574363.2/37

All: 1928.740+/-0.364 χ^2/NDF: 67959411.4/7

- sign 1784.527+/-0.517 χ^2/NDF: 35230437.1/38



Right In: 2022.816+/-764.357 χ^2/NDF: 9.6/15

Left Out: 535.456+/-599.841 χ^2/NDF:41.3/21

Right Out: -2219.099+/-756.147 χ^2/NDF: 18.1/18

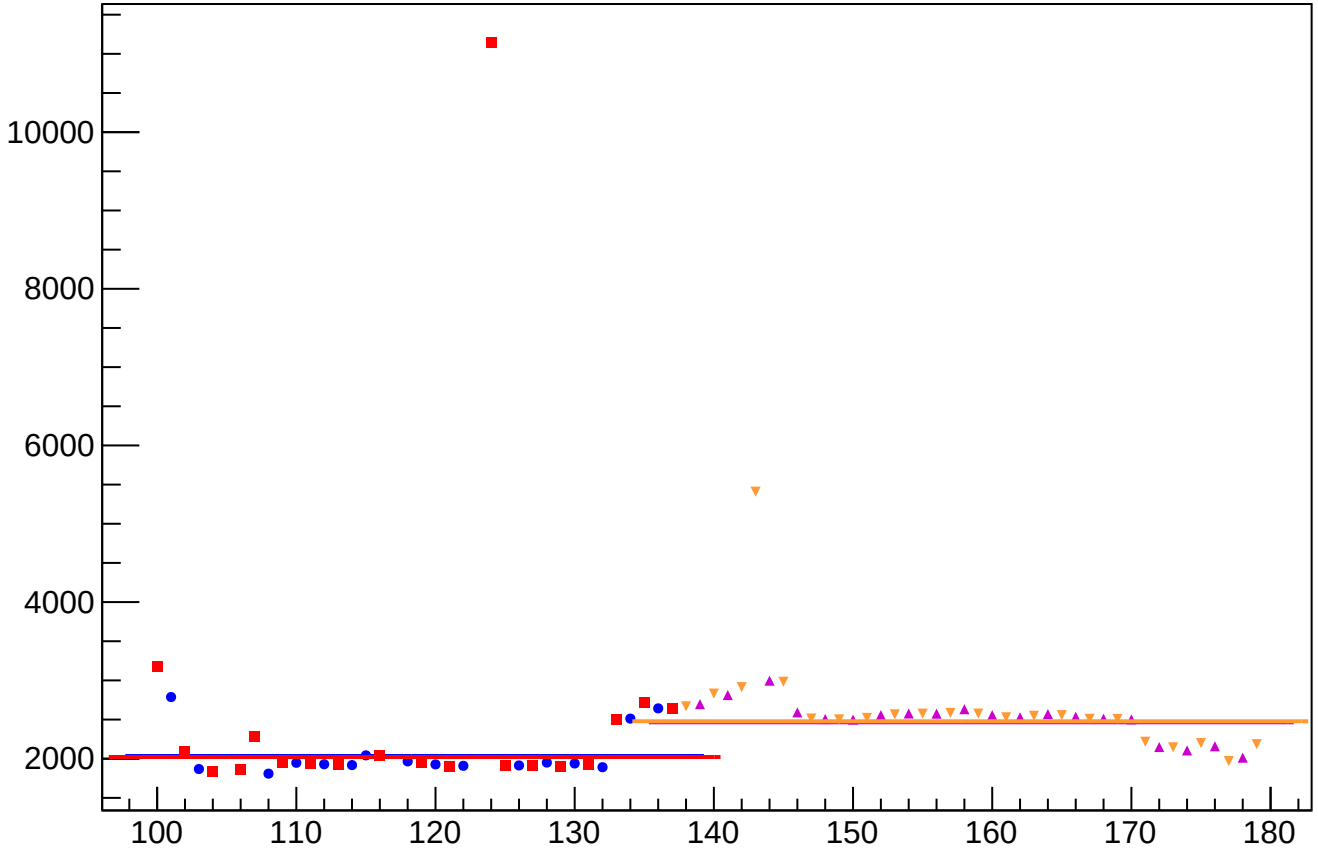
Left In: -2673.562+/-612.816 χ^2/NDF:8.0/19

+ sign 1102.338+/-471.883 χ^2/NDF: 53.2/37

All: -679.561+/-335.151 χ^2/NDF: 108.3/76

- sign -2493.397+/-476.093 χ^2/NDF: 26.3/38

eigen_cor_asym_atl2_rms vs Slug



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.5/15

Left Out: 2478.025+/-0.424 χ^2/NDF:816477.8/21

Right Out: 2021.566+/-0.535 χ^2/NDF: 390333.0/18

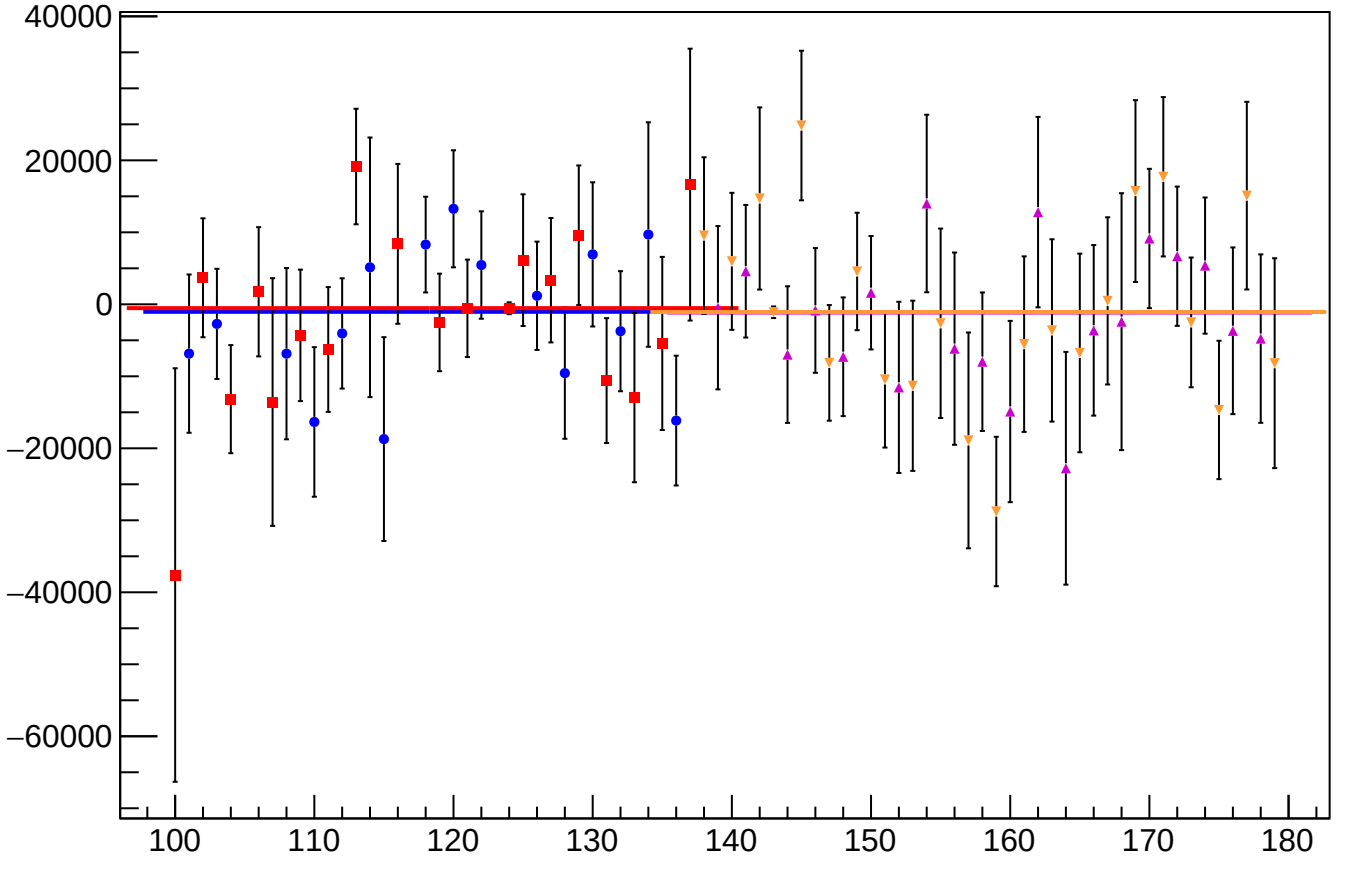
Left In: 2464.745+/-0.433 χ^2/NDF:315461.0/19

+ sign 2308.853+/-0.334 χ^2/NDF: 1496825.8/37

All: 2299.041+/-0.237 χ^2/NDF: 2619031.9/76

- sign 2289.054+/-0.337 χ^2/NDF: 1120461.3/38

asym_atl2_eigen_cor_correction_mean vs Slug



Right In: -1037.942+/-2276.180 χ^2/NDF: 15.4/15

Left Out: -1071.287+/-764.183 χ^2/NDF:29.6/21

Right Out: -530.662+/-767.947 χ^2/NDF: 18.0/18

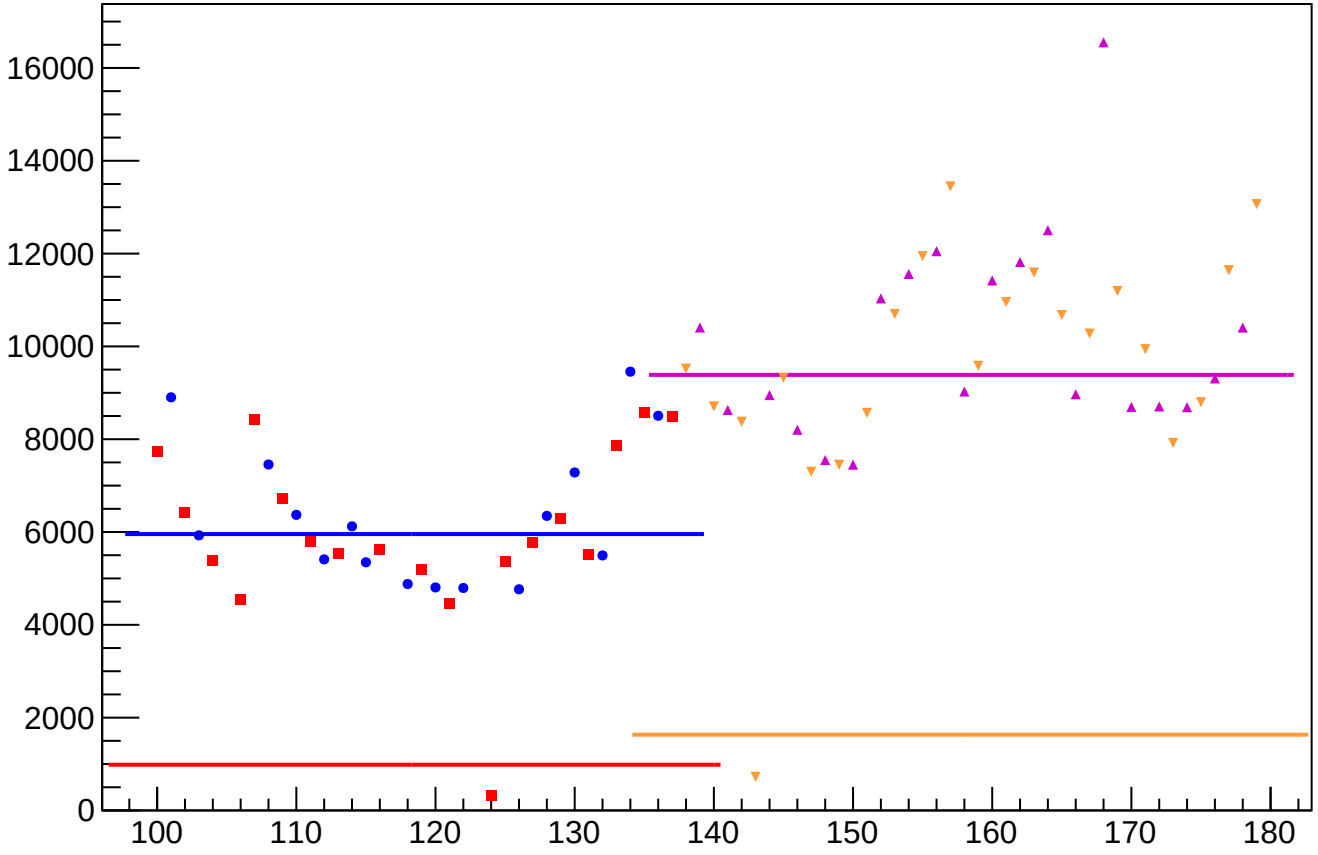
Left In: -1144.290+/-2368.005 χ^2/NDF:10.9/19

+ sign -1067.910+/-724.445 χ^2/NDF: 45.0/37

All: -830.474+/-514.385 χ^2/NDF: 74.2/76

- sign -589.056+/-730.494 χ^2/NDF: 29.0/38

asym_atl2_eigen_cor_correction_rms vs Slug



Right In: 5955.638+/-1.610 χ^2/NDF: 689141.5/15

Left Out: 1632.670+/-0.540 χ^2/NDF:25401910.8/21

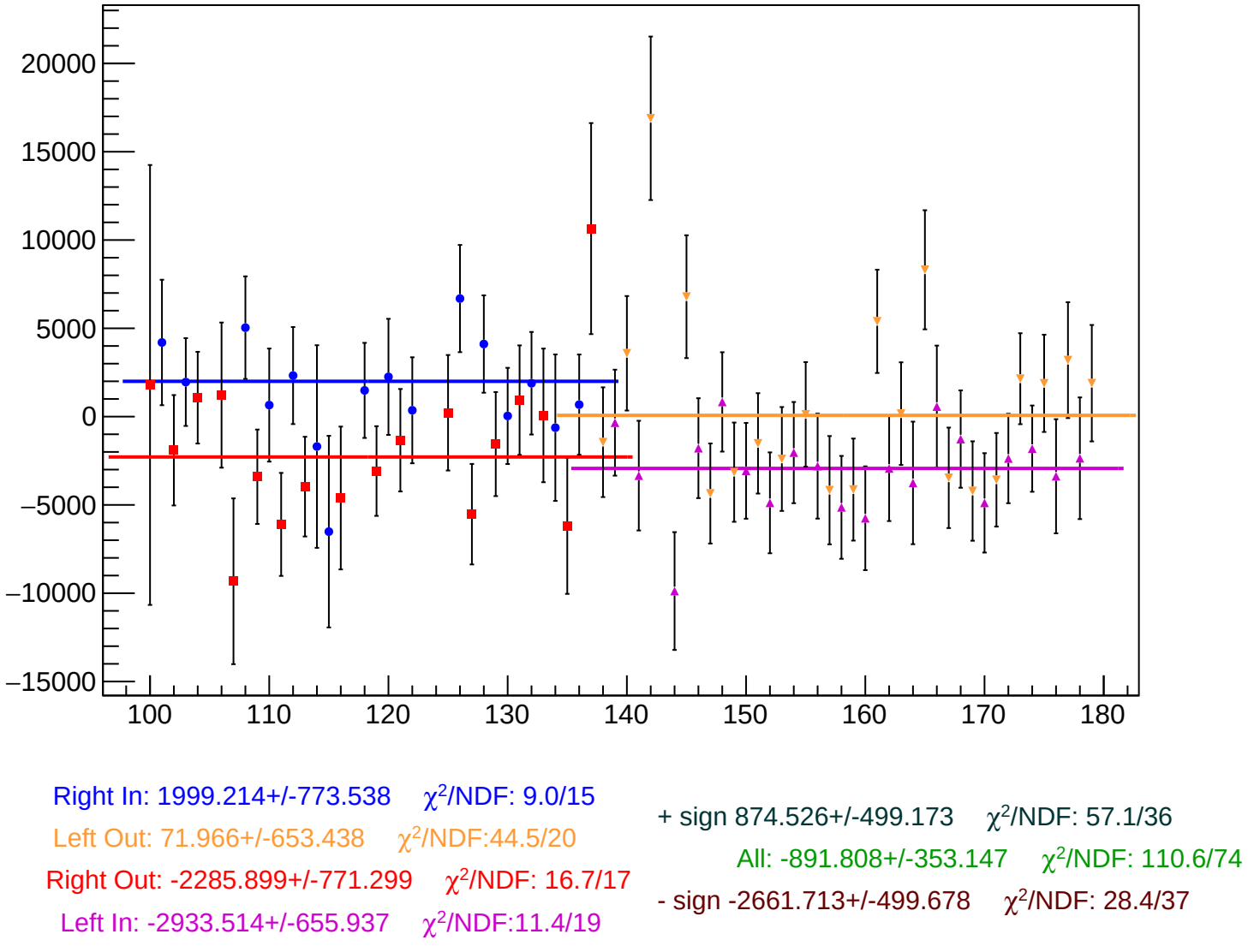
Right Out: 985.045+/-0.543 χ^2/NDF: 11412843.1/18

Left In: 9386.235+/-1.674 χ^2/NDF:1039521.6/19

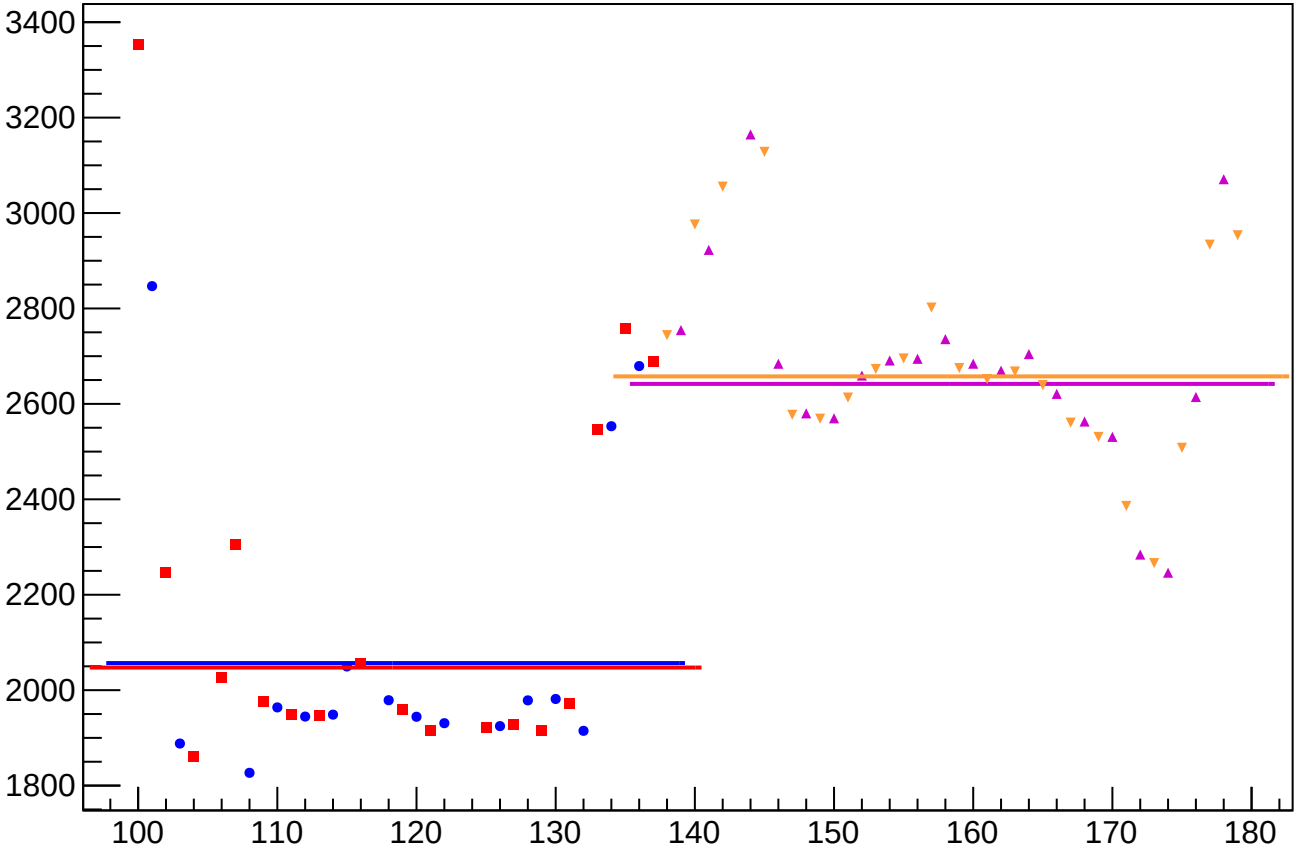
+ sign 2070.574+/-0.512 χ^2/NDF: 32574363.2/37

All: 1928.740+/-0.364 χ^2/NDF: 67959411.4/7

- sign 1784.527+/-0.517 χ^2/NDF: 35230437.1/38


dit_asym_atl2_mean vs Slug
20000
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
180
Right In: 1999.214+/-773.538 χ²/NDF: 9.0/15
Left Out: 71.966+/-653.438 χ²/NDF:44.5/20
Right Out: -2285.899+/-771.299 χ²/NDF: 16.7/17
Left In: -2933.514+/-655.937 χ²/NDF:11.4/19
+ sign 874.526+/-499.173 χ²/NDF: 57.1/36
All: -891.808+/-353.147 χ²/NDF: 110.6/74
- sign -2661.713+/-499.678 χ²/NDF: 28.4/37

dit_asym_atl2_rms vs Slug



Right In: 2056.796+/-0.547 χ^2/NDF: 270454.5/15

Left Out: 2657.627+/-0.462 χ^2/NDF:191023.2/20

Right Out: 2047.400+/-0.545 χ^2/NDF: 196523.0/17

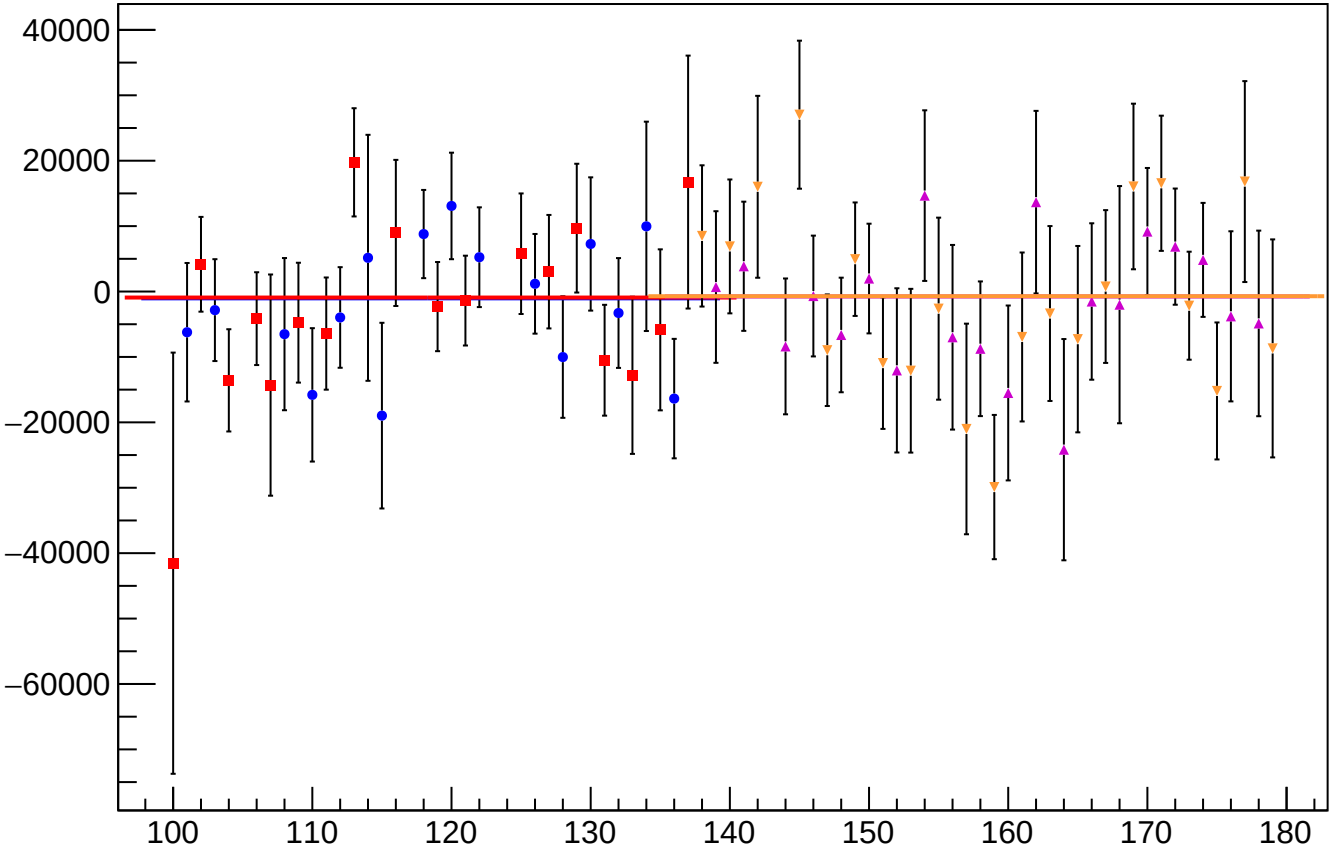
Left In: 2641.877+/-0.464 χ^2/NDF:204098.4/19

\+ sign 2407.424+/-0.353 χ^2/NDF: 1165630.7/36

All: 2399.685+/-0.250 χ^2/NDF: 2257885.0/74

\- sign 2391.940+/-0.353 χ^2/NDF: 1091292.5/37

asym_atl2_dit_correction_mean vs Slug



Right In: -1042.515+/-2294.607 χ^2/NDF: 15.3/15

Left Out: -716.998+/-2479.027 χ^2/NDF:29.1/20

Right Out: -919.663+/-2150.895 χ^2/NDF: 18.4/17

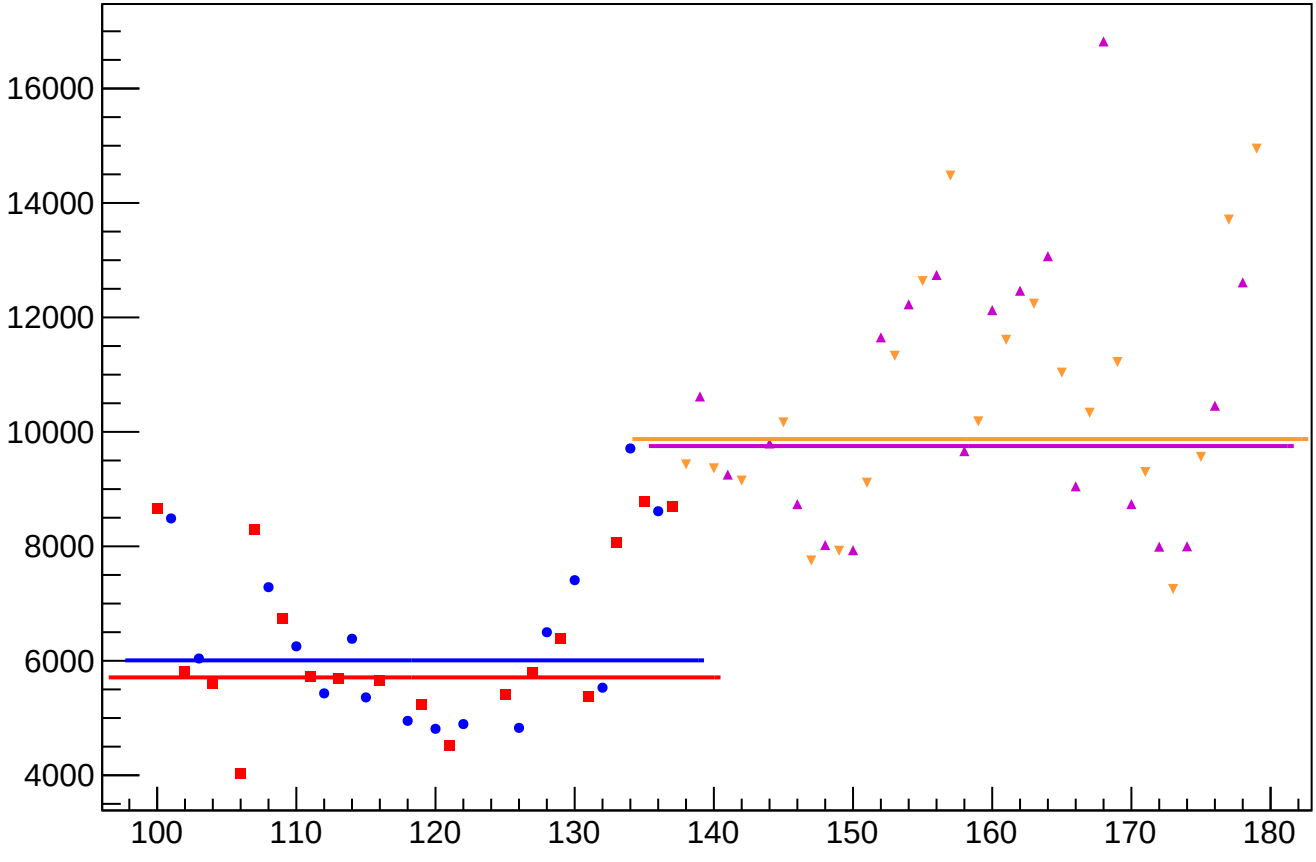
Left In: -756.033+/-2467.746 χ^2/NDF:10.9/19

+ sign -892.313+/-1683.959 χ^2/NDF: 44.4/36

All: -869.848+/-1168.008 χ^2/NDF: 73.7/74

- sign -849.021+/-1621.440 χ^2/NDF: 29.2/37

asym_atl2_dit_correction_rms vs Slug



Right In: 6007.425+/-1.623 χ^2/NDF: 653996.7/15

Left Out: 9874.461+/-1.753 χ^2/NDF:1179304.6/20

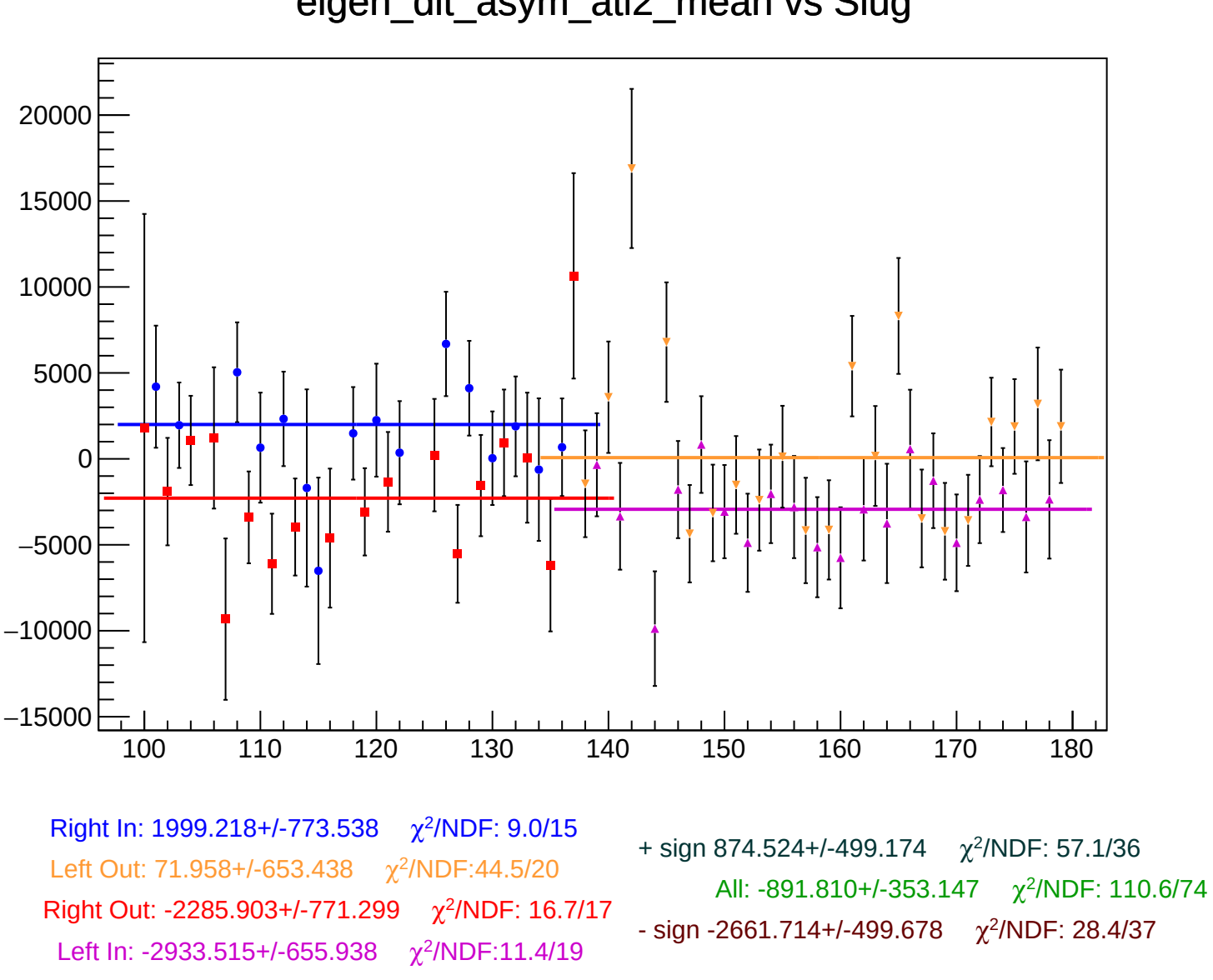
Right Out: 5709.903+/-1.521 χ^2/NDF: 535926.2/17

Left In: 9752.184+/-1.745 χ^2/NDF:1215254.2/19

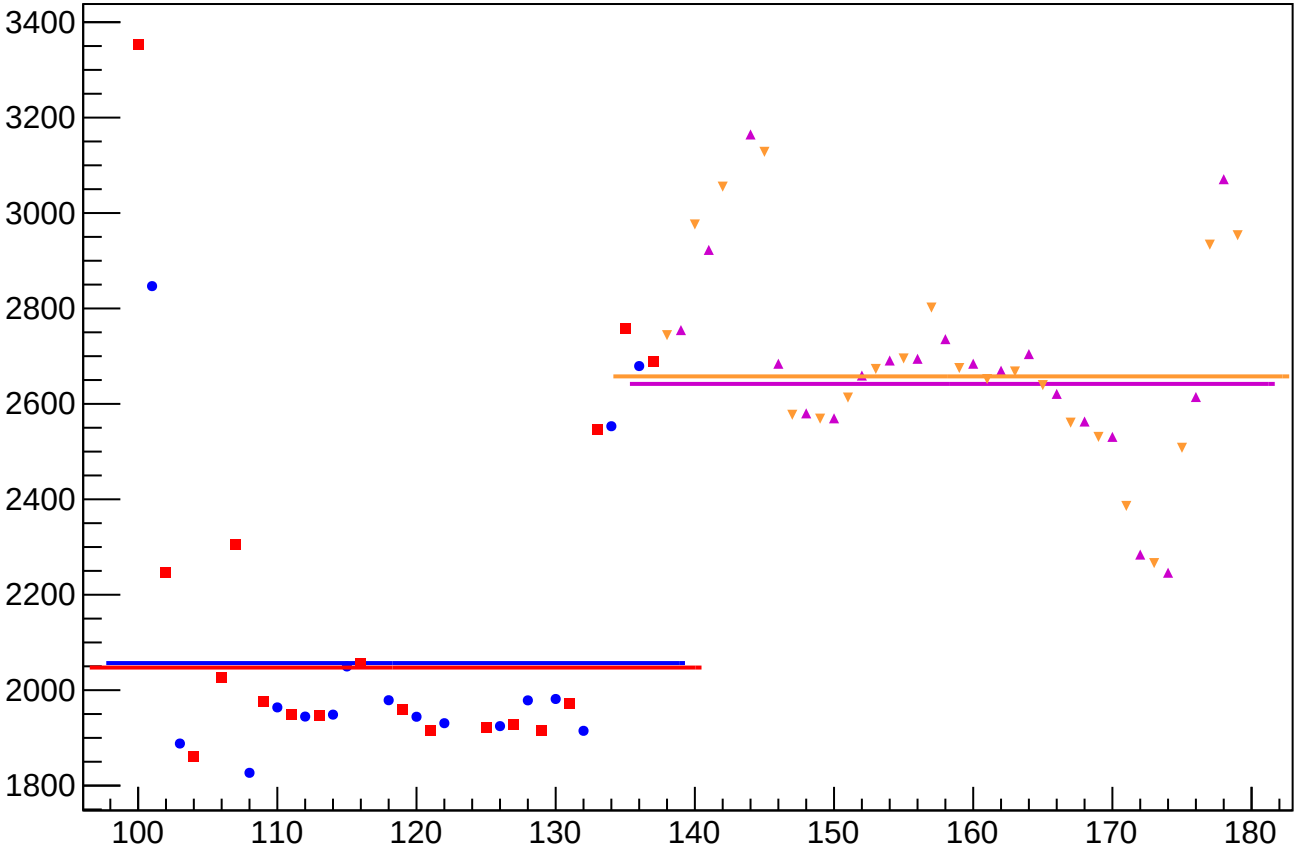
+ sign 7791.770+/-1.191 χ^2/NDF: 4454322.8/36

All: 7617.033+/-0.826 χ^2/NDF: 9296622.0/74

- sign 7455.031+/-1.147 χ^2/NDF: 4800799.6/37


eigen_dit_asym_atl2_mean vs Slug
20000
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
180
Right In: 1999.218+/-773.538 χ²/NDF: 9.0/15
Left Out: 71.958+/-653.438 χ²/NDF:44.5/20
Right Out: -2285.903+/-771.299 χ²/NDF: 16.7/17
Left In: -2933.515+/-655.938 χ²/NDF:11.4/19
+ sign 874.524+/-499.174 χ²/NDF: 57.1/36
All: -891.810+/-353.147 χ²/NDF: 110.6/74
- sign -2661.714+/-499.678 χ²/NDF: 28.4/37

eigen_dit_asym_atl2_rms vs Slug



Right In: 2056.796+/-0.547 χ^2/NDF: 270454.5/15

Left Out: 2657.629+/-0.462 χ^2/NDF:191034.0/20

Right Out: 2047.400+/-0.545 χ^2/NDF: 196523.3/17

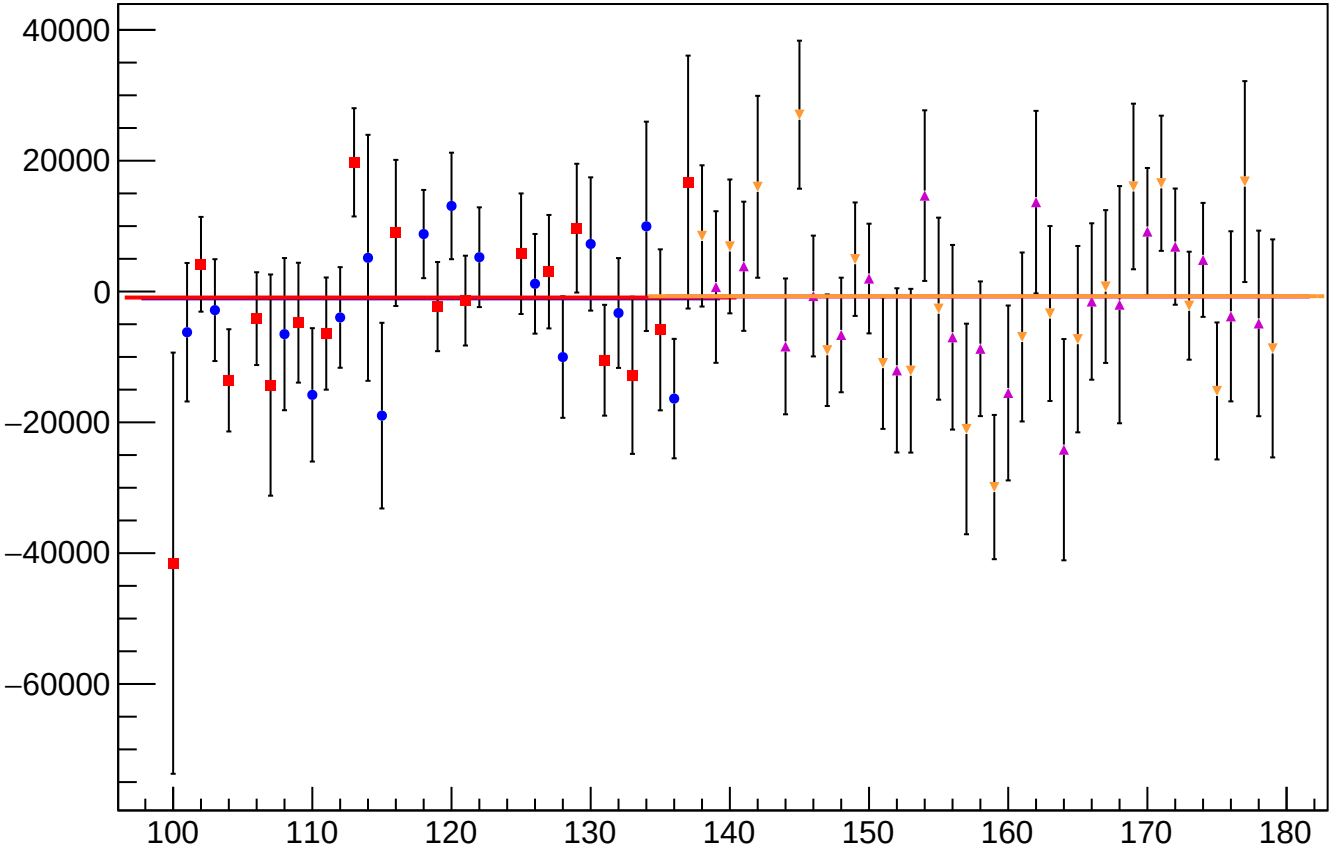
Left In: 2641.879+/-0.464 χ^2/NDF:204107.4/19

+ sign 2407.425+/-0.353 χ^2/NDF: 1165645.0/36

All: 2399.686+/-0.250 χ^2/NDF: 2257912.2/74

- sign 2391.941+/-0.353 χ^2/NDF: 1091305.4/37

asym_atl2_eigen_dit_correction_mean vs Slug



Right In: -1042.503+/-2294.600 χ^2/NDF: 15.3/15

Left Out: -717.006+/-2479.032 χ^2/NDF:29.1/20

Right Out: -919.667+/-2150.889 χ^2/NDF: 18.4/17

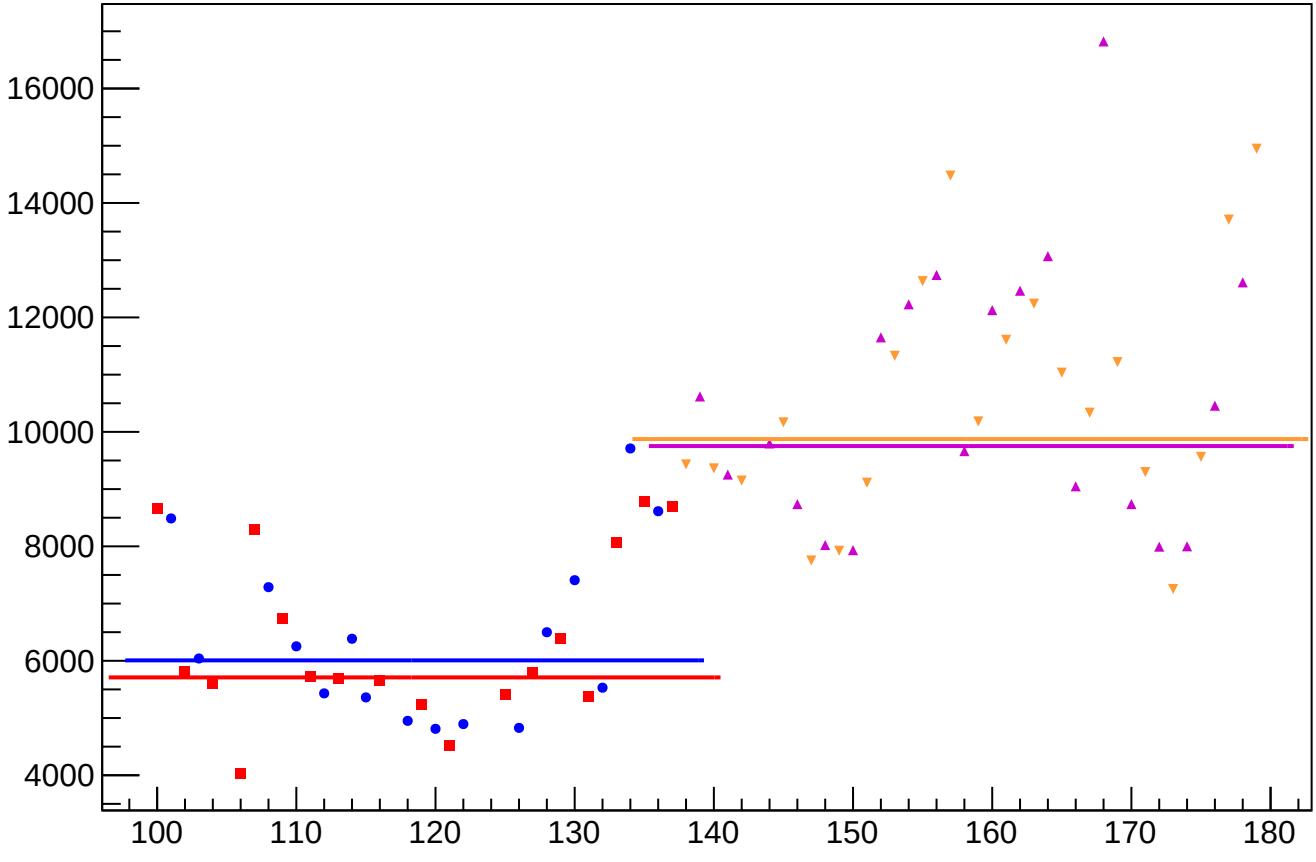
Left In: -756.035+/-2467.750 χ^2/NDF:10.9/19

+ sign -892.312+/-1683.958 χ^2/NDF: 44.4/36

All: -869.849+/-1168.007 χ^2/NDF: 73.7/74

- sign -849.024+/-1621.438 χ^2/NDF: 29.2/37

asym_atl2_eigen_dit_correction_rms vs Slug



Right In: 6007.405+/-1.623 χ^2/NDF: 654004.9/15

Left Out: 9874.479+/-1.753 χ^2/NDF:1179305.0/20

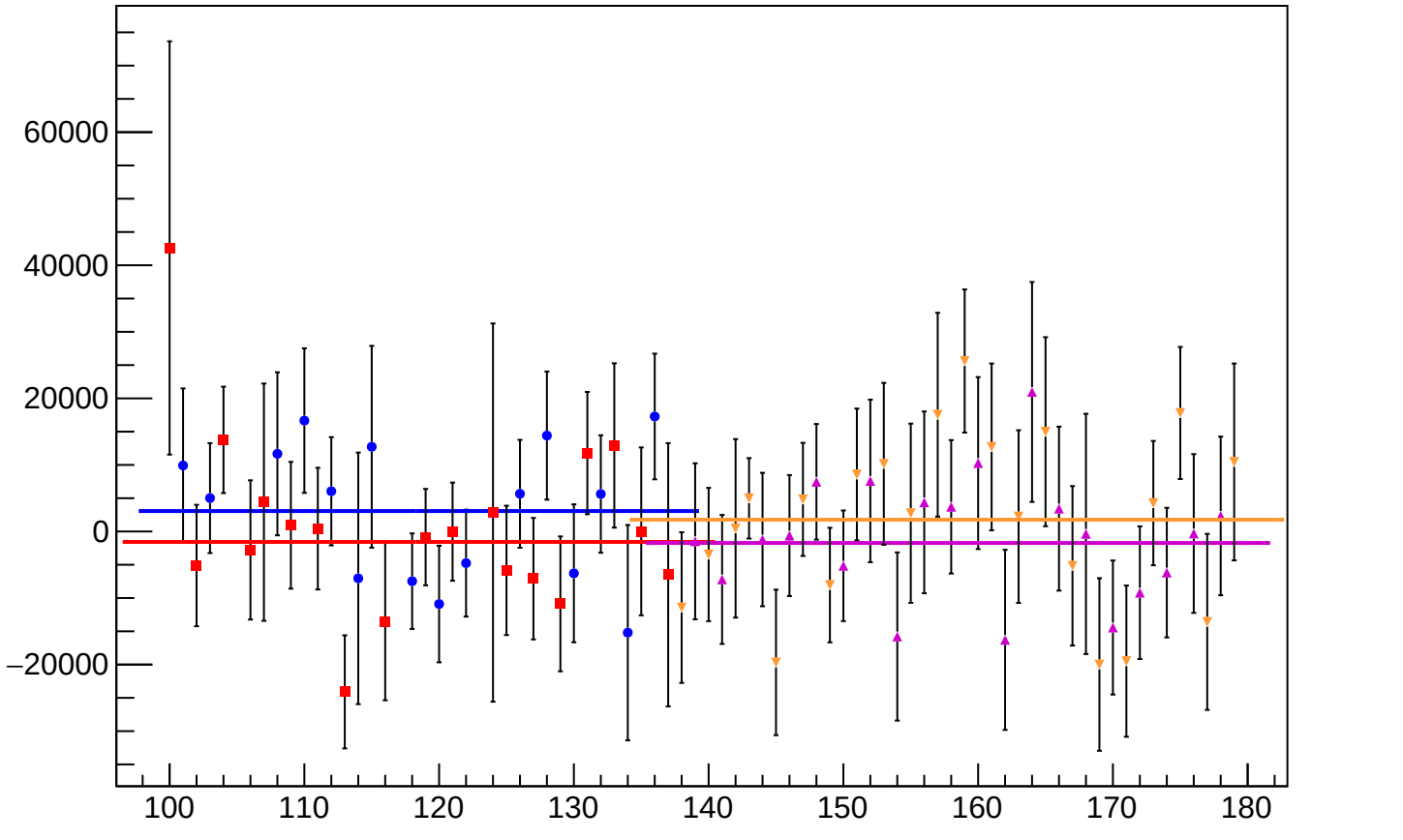
Right Out: 5709.885+/-1.521 χ^2/NDF: 535929.9/17

Left In: 9752.200+/-1.745 χ^2/NDF:1215255.1/19

+ sign 7791.758+/-1.191 χ^2/NDF: 4454384.4/36

All: 7617.022+/-0.826 χ^2/NDF: 9296739.8/74

- sign 7455.019+/-1.147 χ^2/NDF: 4800855.8/37



Right In: 3070.293+/-2420.721 χ^2/NDF: 14.9/15

Left Out: 1768.837+/-2284.112 χ^2/NDF:26.8/21

Right Out: -1567.088+/-2335.884 χ^2/NDF: 19.2/18

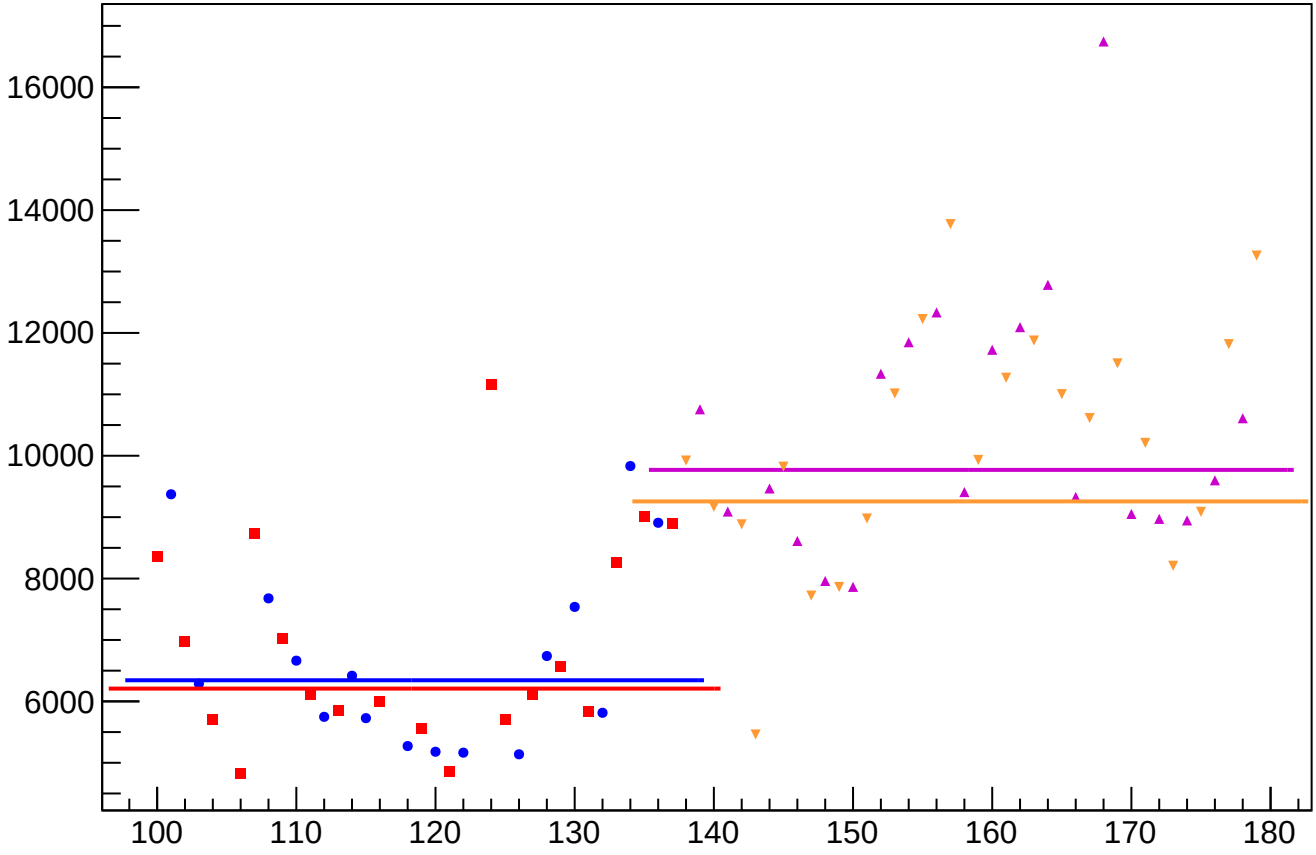
Left In: -1723.347+/-2459.504 χ^2/NDF:10.5/19

+ sign 2381.808+/-1661.307 χ^2/NDF: 41.8/37

All: 409.190+/-1186.021 χ^2/NDF: 74.4/76

- sign -1641.192+/-1693.736 χ^2/NDF: 29.7/38

asym_atl2_rms vs Slug



Right In: 6343.796+/-1.712 χ^2/NDF: 621240.2/15

Left Out: 9256.383+/-1.615 χ^2/NDF:1753649.2/21

Right Out: 6208.099+/-1.652 χ^2/NDF: 471840.9/18

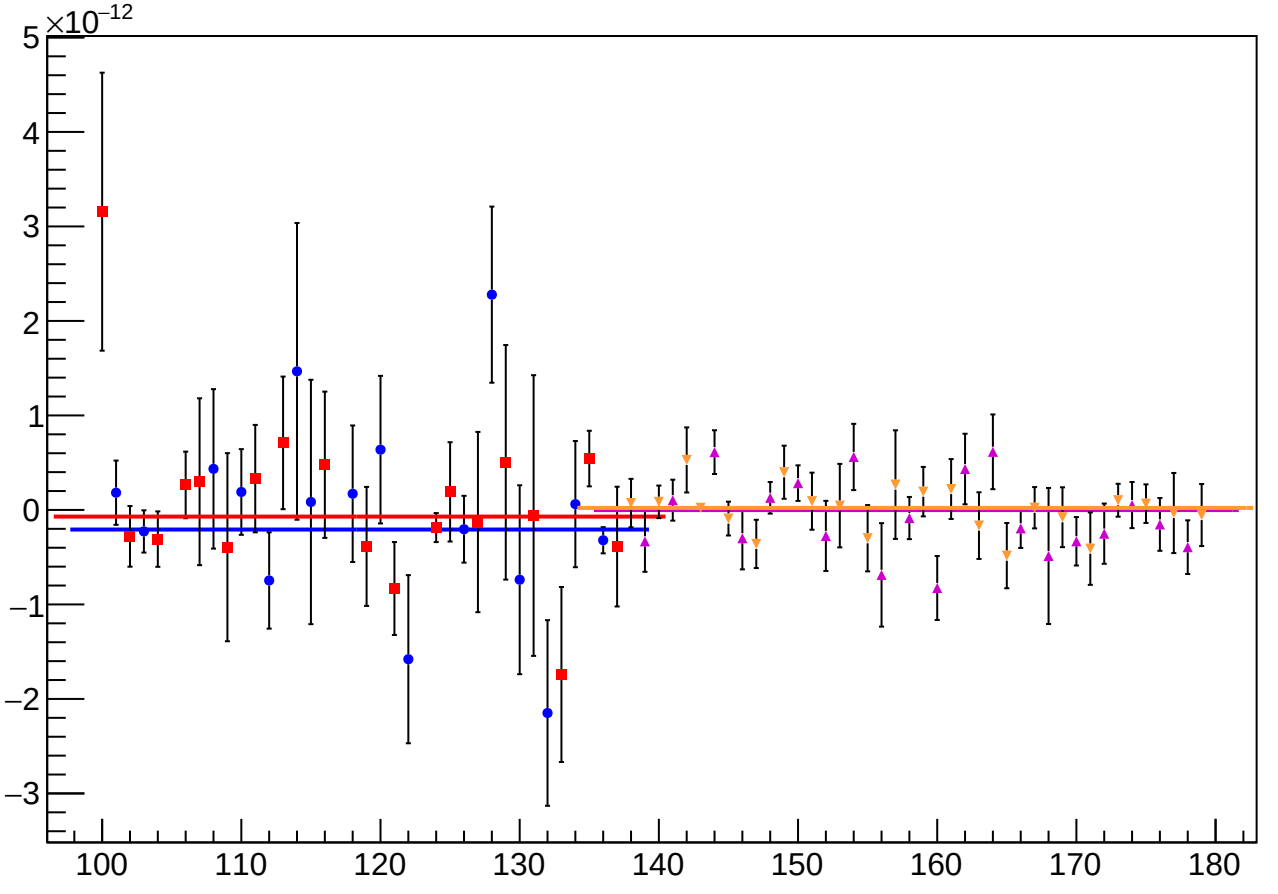
Left In: 9769.744+/-1.739 χ^2/NDF:930507.6/19

+ sign 7884.586+/-1.175 χ^2/NDF: 3906555.7/37

All: 7890.752+/-0.839 χ^2/NDF: 7514050.2/76

- sign 7897.162+/-1.198 χ^2/NDF: 3607438.3/38

asym_atl2_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.8/21

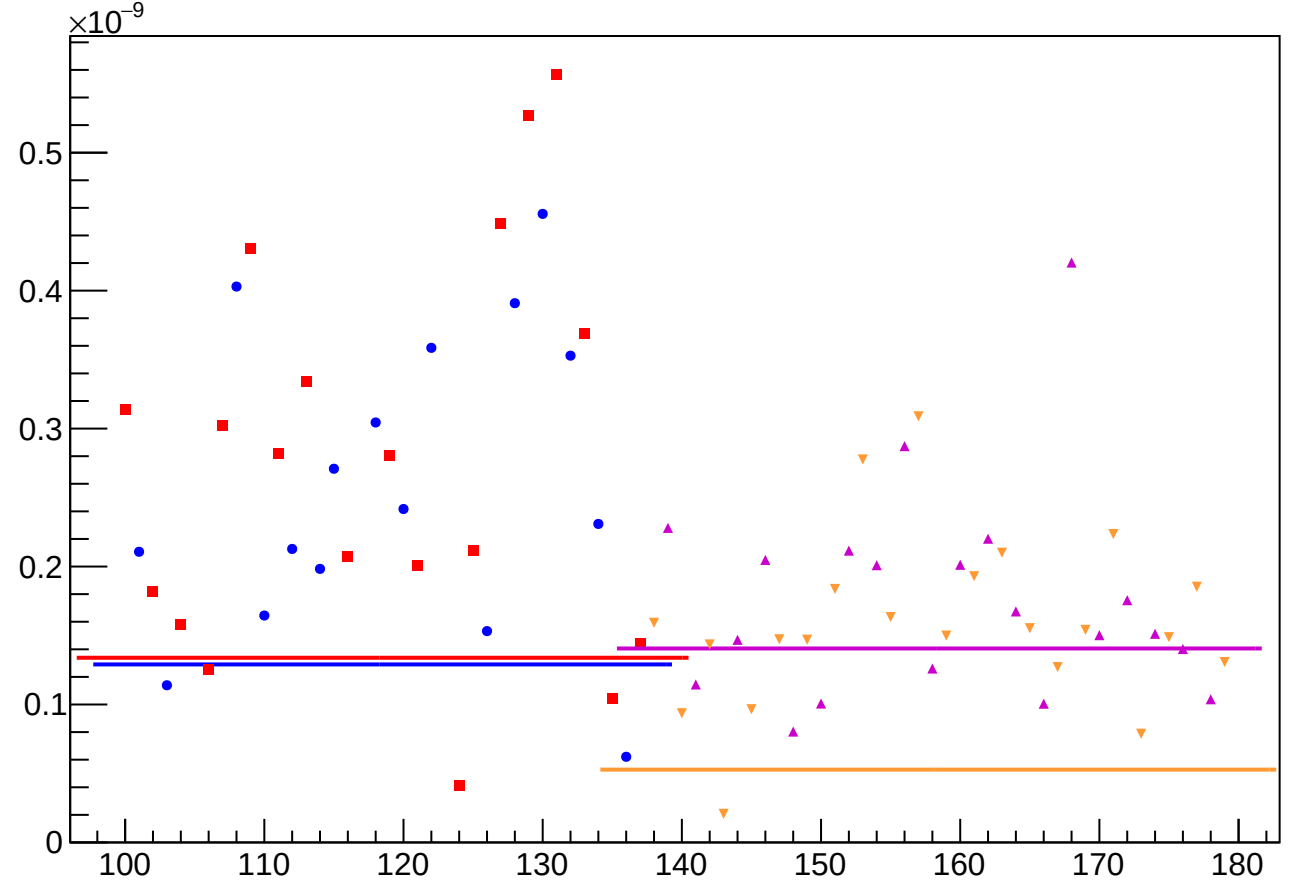
Right Out: -0.000+/-0.000 χ^2/NDF: 20.9/18

Left In: -0.000+/-0.000 χ^2/NDF:32.4/19

+ sign 0.000+/-0.000 χ^2/NDF: 39.0/37

All: -0.000+/-0.000 χ^2/NDF: 92.8/76

- sign -0.000+/-0.000 χ^2/NDF: 53.7/38



Right In: 0.000+/-0.000 χ^2/NDF: 1720321.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:7196500.2/21

Right Out: 0.000+/-0.000 χ^2/NDF: 2304489.5/18

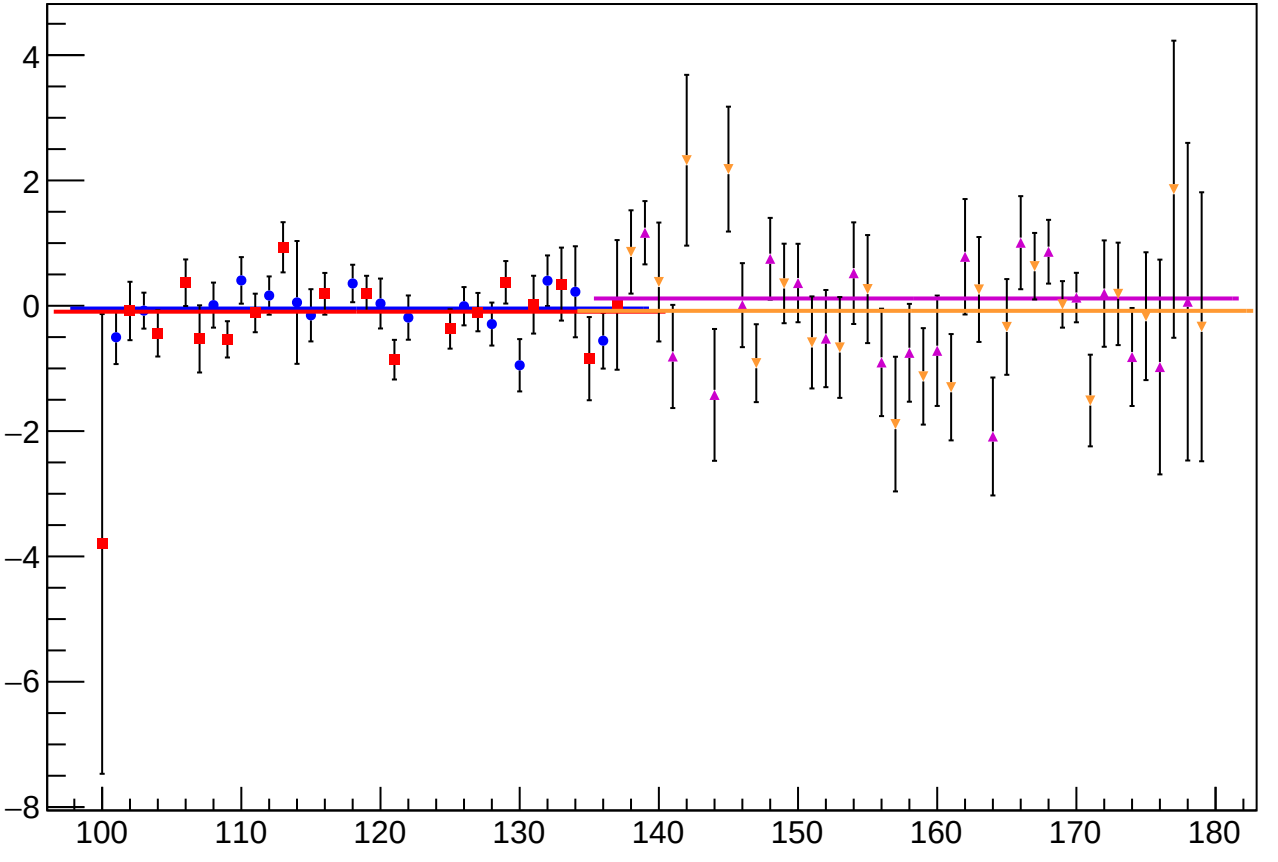
Left In: 0.000+/-0.000 χ^2/NDF:1492768.9/19

+ sign 0.000+/-0.000 χ^2/NDF: 10079779.9/37

All: 0.000+/-0.000 χ^2/NDF: 17510569.5/76

- sign 0.000+/-0.000 χ^2/NDF: 3804338.2/38

asym_atl2_dit_vs_cor_diff_mean vs Slug



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: -0.081+/-0.164 χ^2/NDF:27.5/20

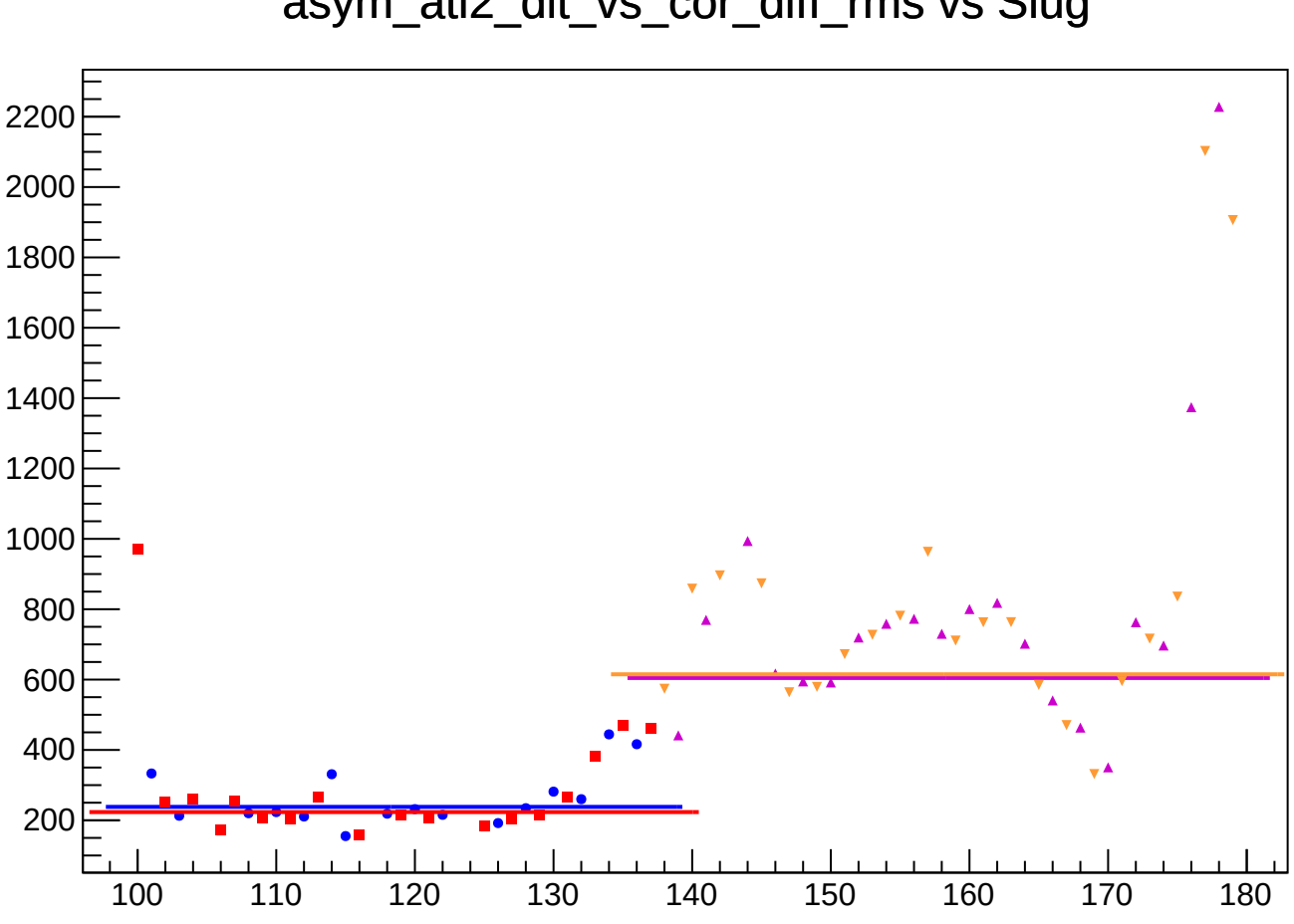
Right Out: -0.094+/-0.090 χ^2/NDF: 25.3/17

Left In: 0.116+/-0.160 χ^2/NDF:24.8/19

+ sign -0.053+/-0.081 χ^2/NDF: 40.6/36

All: -0.048+/-0.057 χ^2/NDF: 91.9/74

- sign -0.044+/-0.079 χ^2/NDF: 51.3/37



Right In: 238.165+/-0.066 χ^2/NDF: 807205.2/15

Left Out: 615.007+/-0.116 χ^2/NDF:3824219.8/20

Right Out: 223.388+/-0.064 χ^2/NDF: 862425.5/17

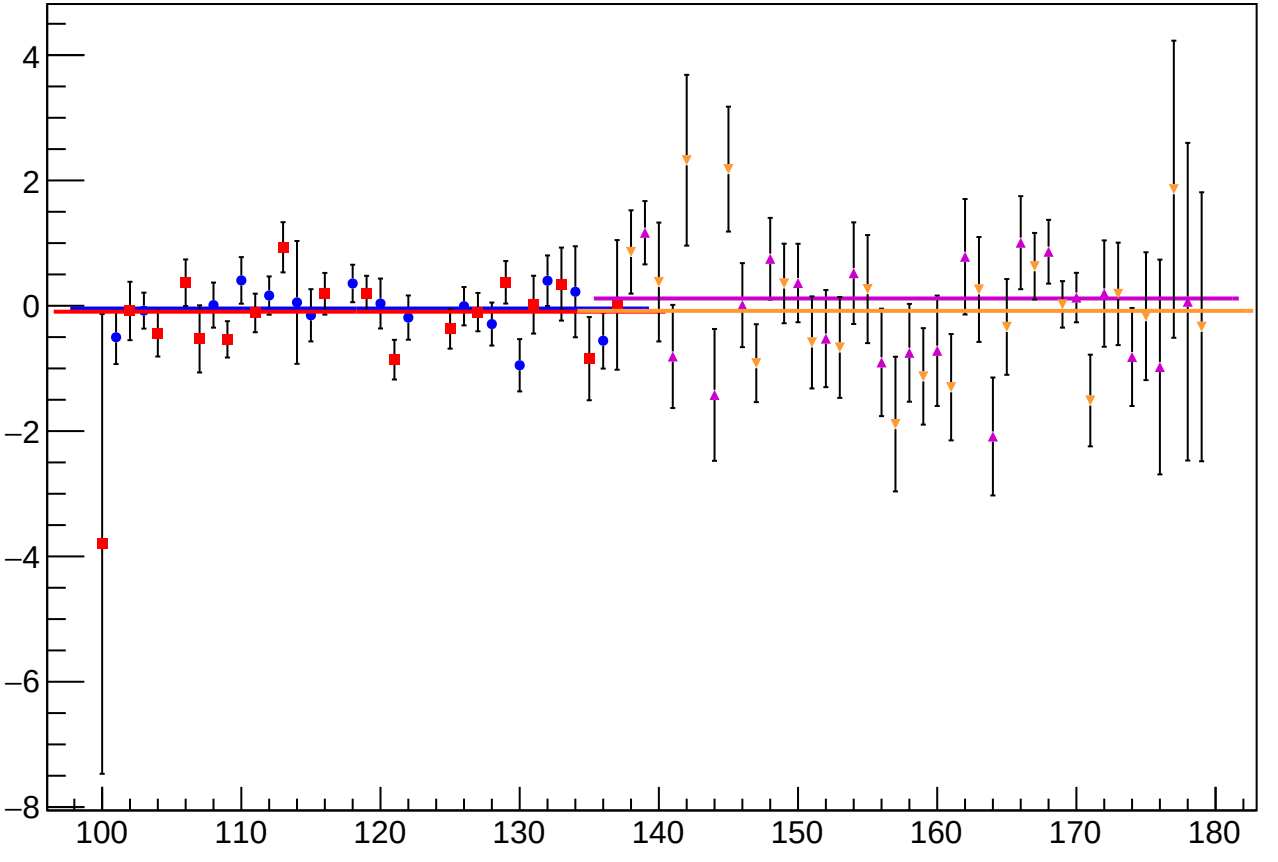
Left In: 604.584+/-0.113 χ^2/NDF:3356204.4/19

+ sign 331.374+/-0.058 χ^2/NDF: 12615962.4/36

All: 322.709+/-0.040 χ^2/NDF: 25460762.5/74

- sign 314.641+/-0.056 χ^2/NDF: 12801010.2/37

asym_atl2_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: -0.081+/-0.164 χ^2/NDF:27.5/20

Right Out: -0.094+/-0.090 χ^2/NDF: 25.3/17

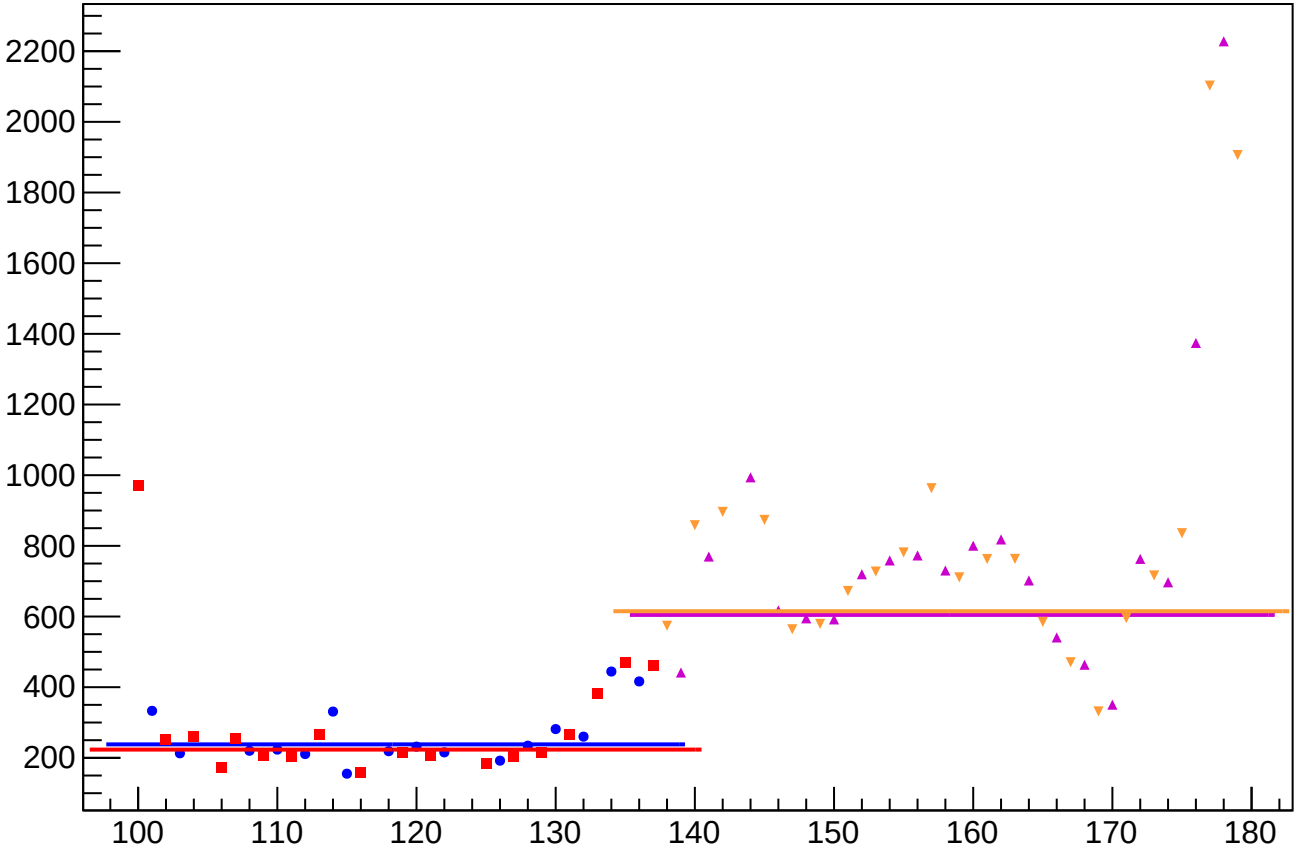
Left In: 0.116+/-0.160 χ^2/NDF:24.8/19

+ sign -0.053+/-0.081 χ^2/NDF: 40.6/36

All: -0.048+/-0.057 χ^2/NDF: 91.9/74

- sign -0.044+/-0.079 χ^2/NDF: 51.3/37

asym_atl2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 238.165+/-0.066 χ^2/NDF: 807205.2/15

Left Out: 615.007+/-0.116 χ^2/NDF:3824219.8/20

Right Out: 223.388+/-0.064 χ^2/NDF: 862425.5/17

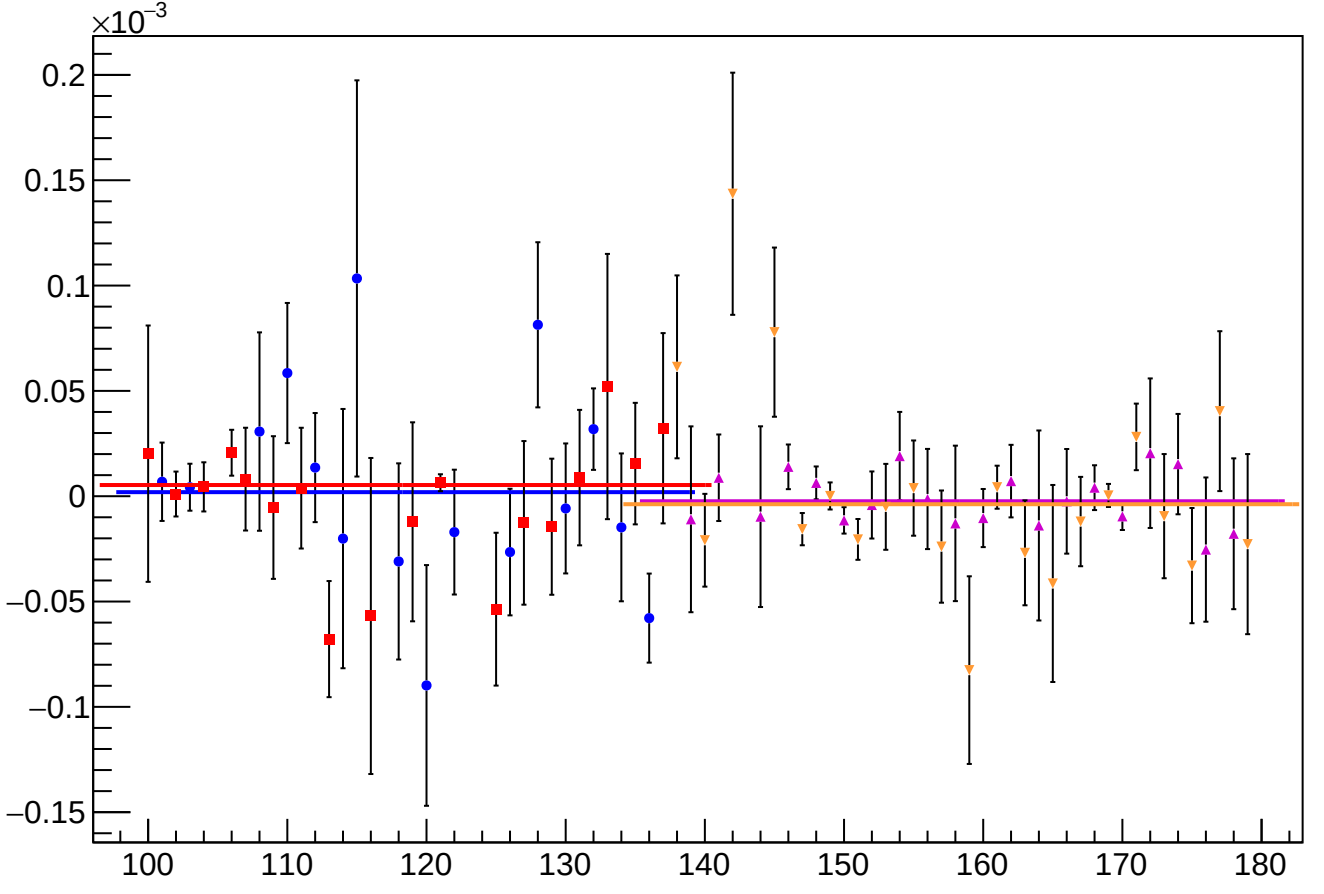
Left In: 604.584+/-0.113 χ^2/NDF:3356204.4/19

+ sign 331.374+/-0.058 χ^2/NDF: 12615962.4/36

All: 322.709+/-0.040 χ^2/NDF: 25460762.5/74

- sign 314.641+/-0.056 χ^2/NDF: 12801010.2/37

asym_atl2_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 24.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:32.8/20

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

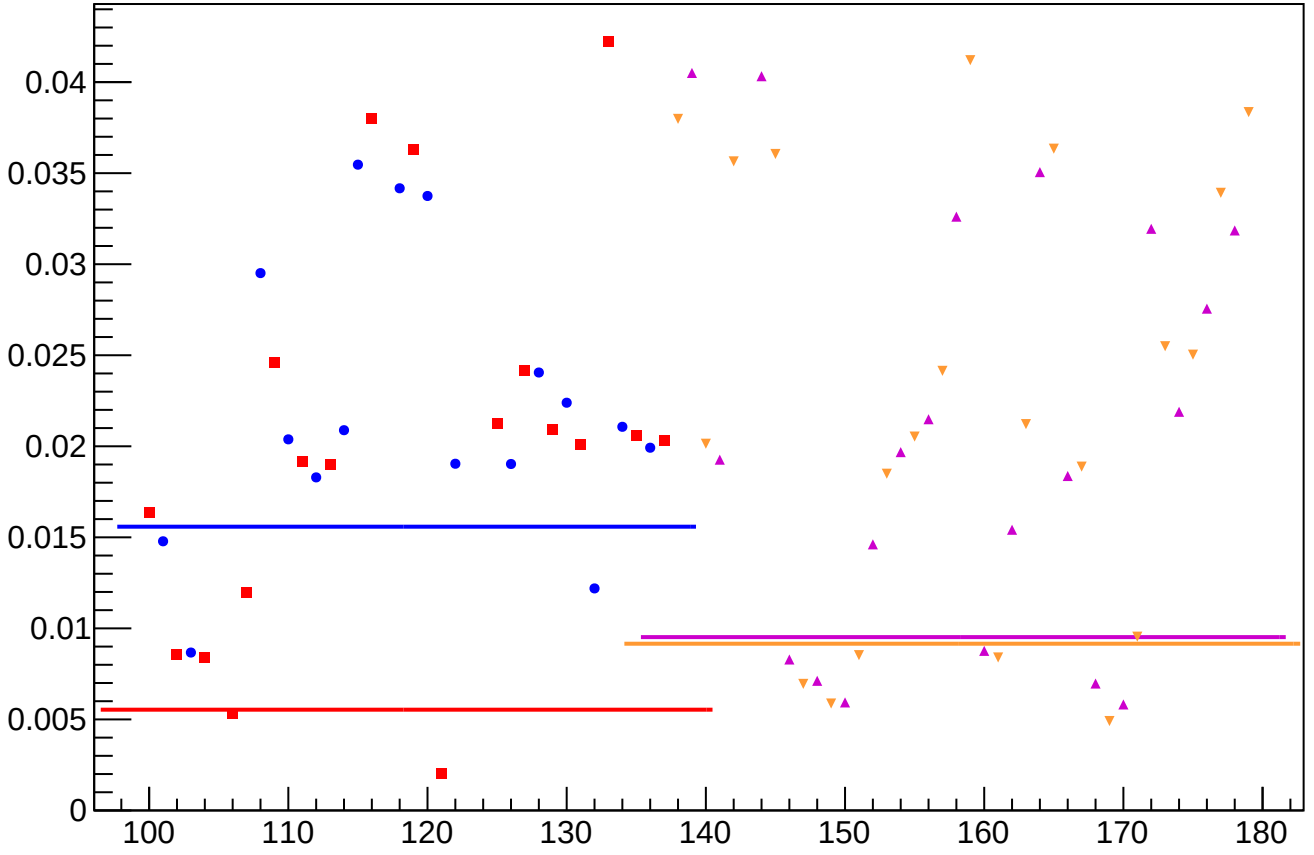
Left In: -0.000+/-0.000 χ^2/NDF:11.1/19

+ sign -0.000+/-0.000 χ^2/NDF: 57.5/36

All: -0.000+/-0.000 χ^2/NDF: 87.6/74

- sign 0.000+/-0.000 χ^2/NDF: 28.7/37

asym_atl2_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.016+/-0.000 χ^2/NDF: 2074656.7/15

Left Out: 0.009+/-0.000 χ^2/NDF:11846543.5/20

Right Out: 0.006+/-0.000 χ^2/NDF: 7954965.8/17

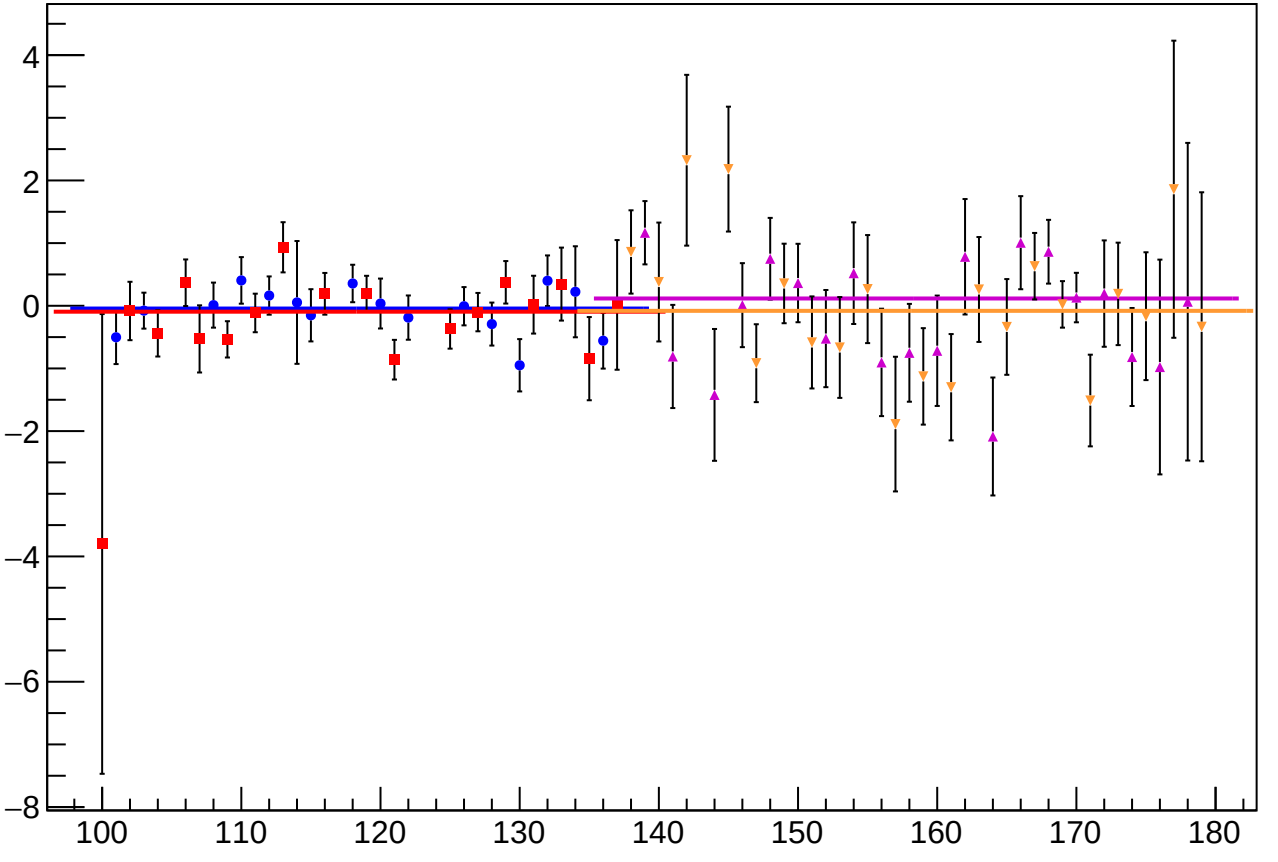
Left In: 0.010+/-0.000 χ^2/NDF:9875802.6/19

+ sign 0.010+/-0.000 χ^2/NDF: 15599780.9/36

All: 0.009+/-0.000 χ^2/NDF: 36240130.4/74

- sign 0.008+/-0.000 χ^2/NDF: 19478950.6/37

asym_atl2_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: -0.081+/-0.164 χ^2/NDF:27.5/20

Right Out: -0.094+/-0.090 χ^2/NDF: 25.3/17

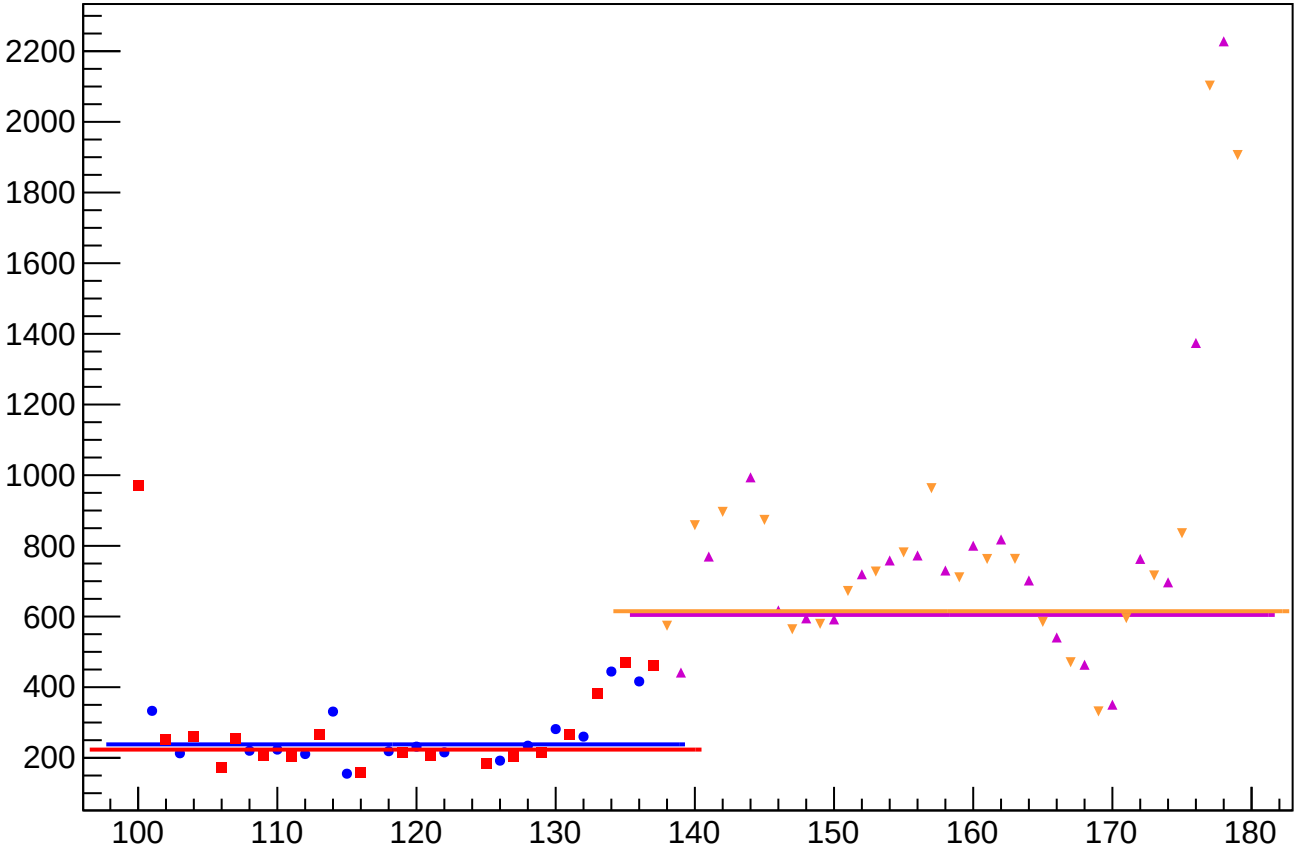
Left In: 0.116+/-0.160 χ^2/NDF:24.8/19

+ sign -0.053+/-0.081 χ^2/NDF: 40.6/36

All: -0.048+/-0.057 χ^2/NDF: 91.9/74

- sign -0.044+/-0.079 χ^2/NDF: 51.3/37

asym_atl2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 238.165+/-0.066 χ^2/NDF: 807170.1/15

Left Out: 615.010+/-0.116 χ^2/NDF:3824283.4/20

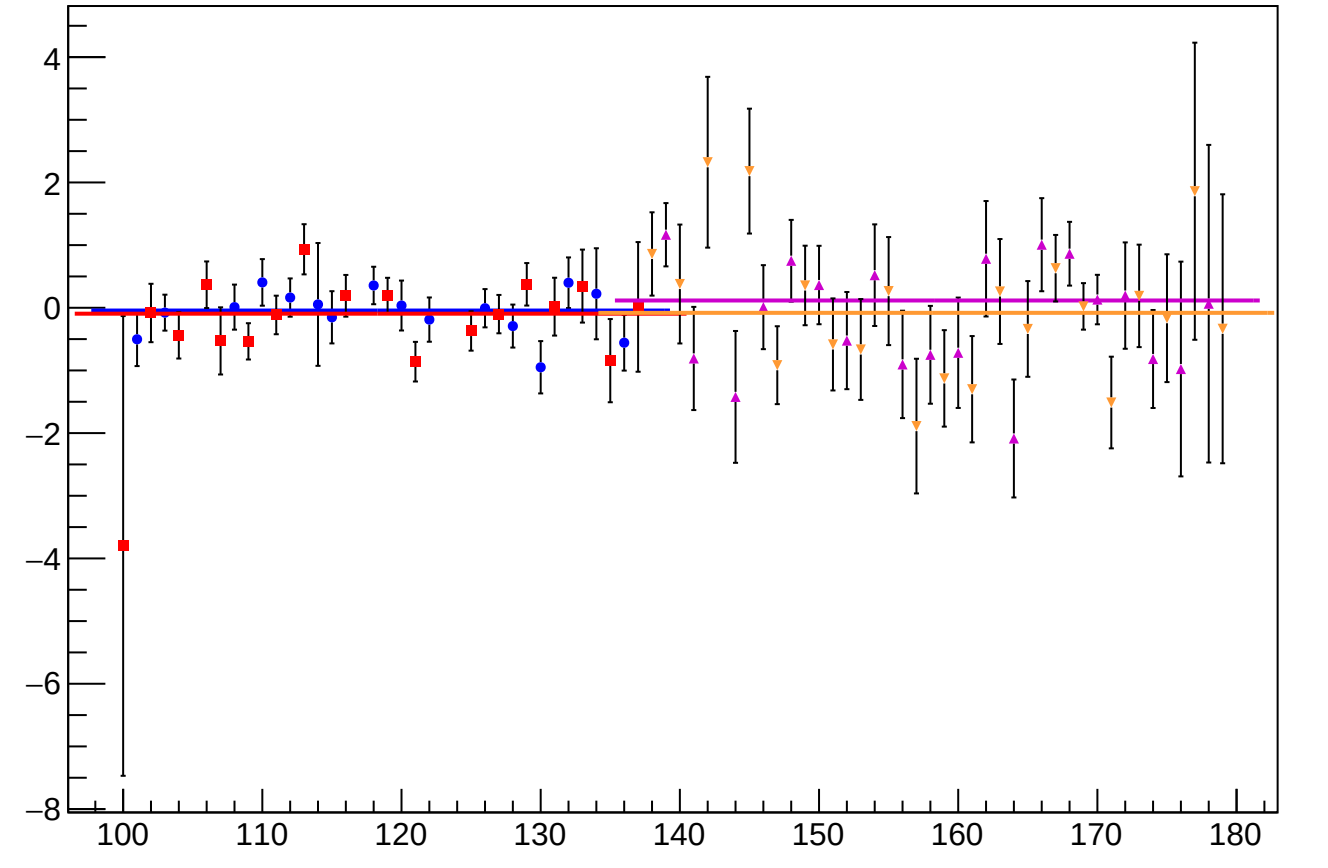
Right Out: 223.390+/-0.064 χ^2/NDF: 862366.3/17

Left In: 604.590+/-0.113 χ^2/NDF:3356184.8/19

+ sign 331.374+/-0.058 χ^2/NDF: 12616023.6/36

All: 322.710+/-0.040 χ^2/NDF: 25460799.7/74

- sign 314.643+/-0.056 χ^2/NDF: 12800991.7/37



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: -0.081+/-0.164 χ^2/NDF:27.5/20

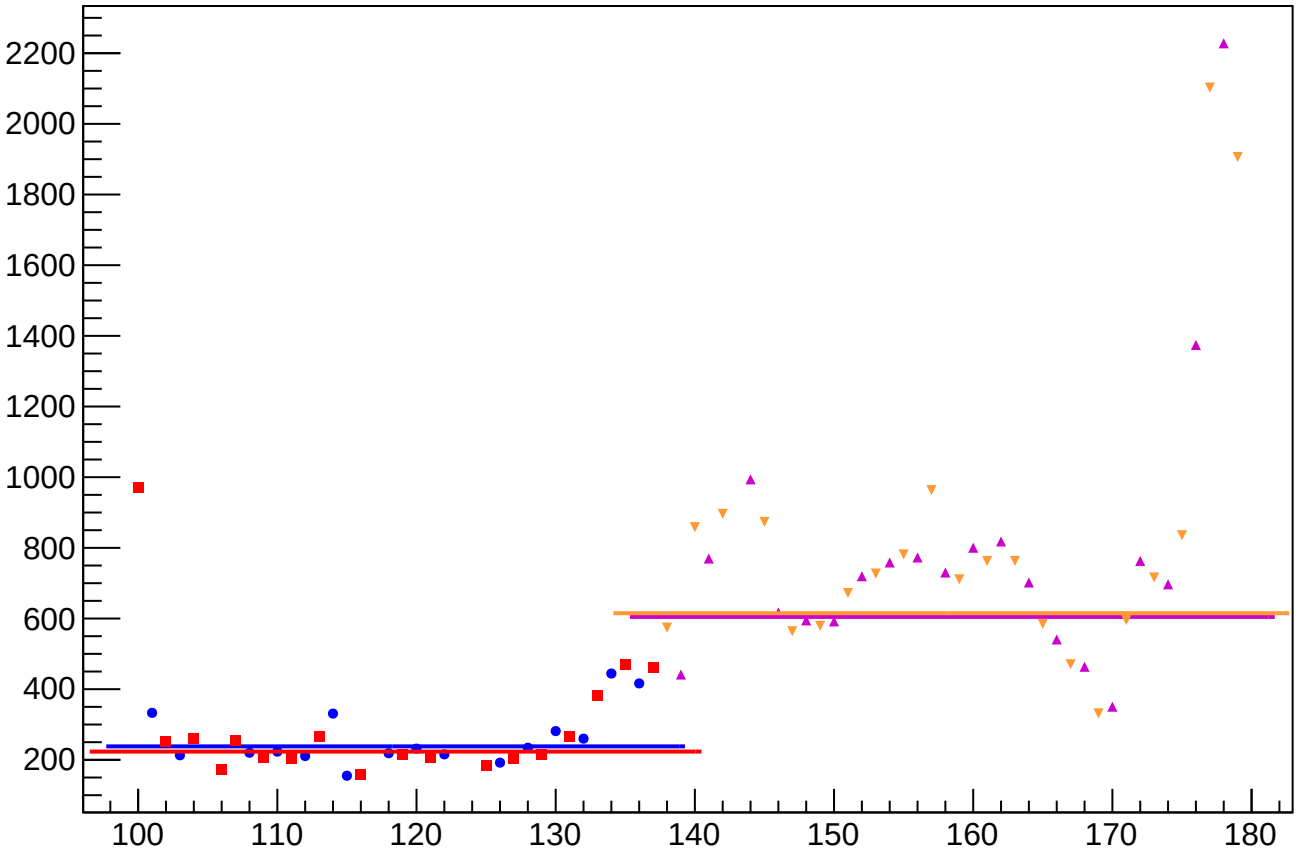
Right Out: -0.094+/-0.090 χ^2/NDF: 25.3/17

Left In: 0.116+/-0.160 χ^2/NDF:24.8/19

+ sign -0.053+/-0.081 χ^2/NDF: 40.6/36

All: -0.048+/-0.057 χ^2/NDF: 91.9/74

- sign -0.044+/-0.079 χ^2/NDF: 51.3/37



Right In: 238.165+/-0.066 χ^2/NDF: 807170.1/15

Left Out: 615.010+/-0.116 χ^2/NDF:3824283.4/20

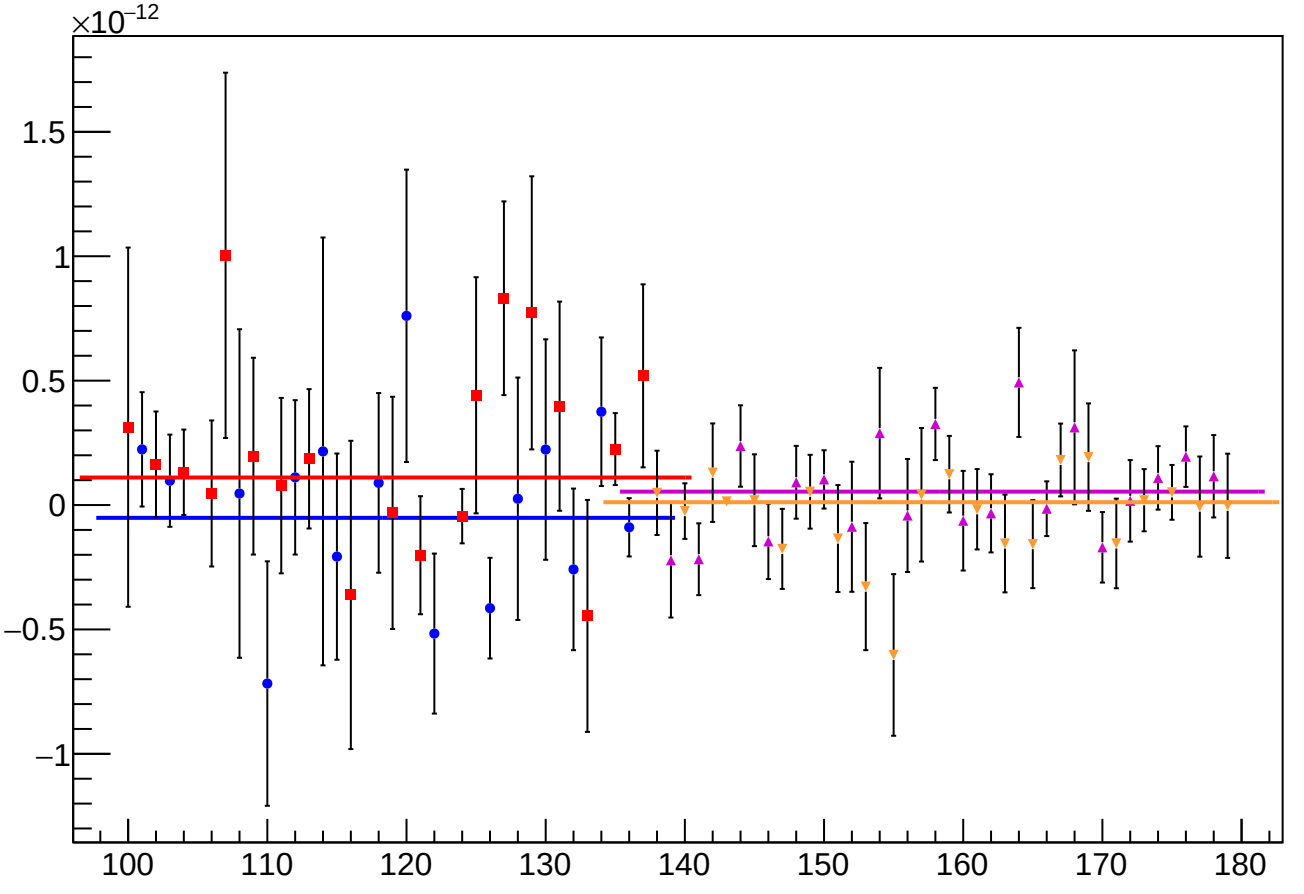
Right Out: 223.390+/-0.064 χ^2/NDF: 862366.3/17

Left In: 604.590+/-0.113 χ^2/NDF:3356184.8/19

+ sign 331.374+/-0.058 χ^2/NDF: 12616023.6/36

All: 322.710+/-0.040 χ^2/NDF: 25460799.7/74

- sign 314.643+/-0.056 χ^2/NDF: 12800991.7/37



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.0/21

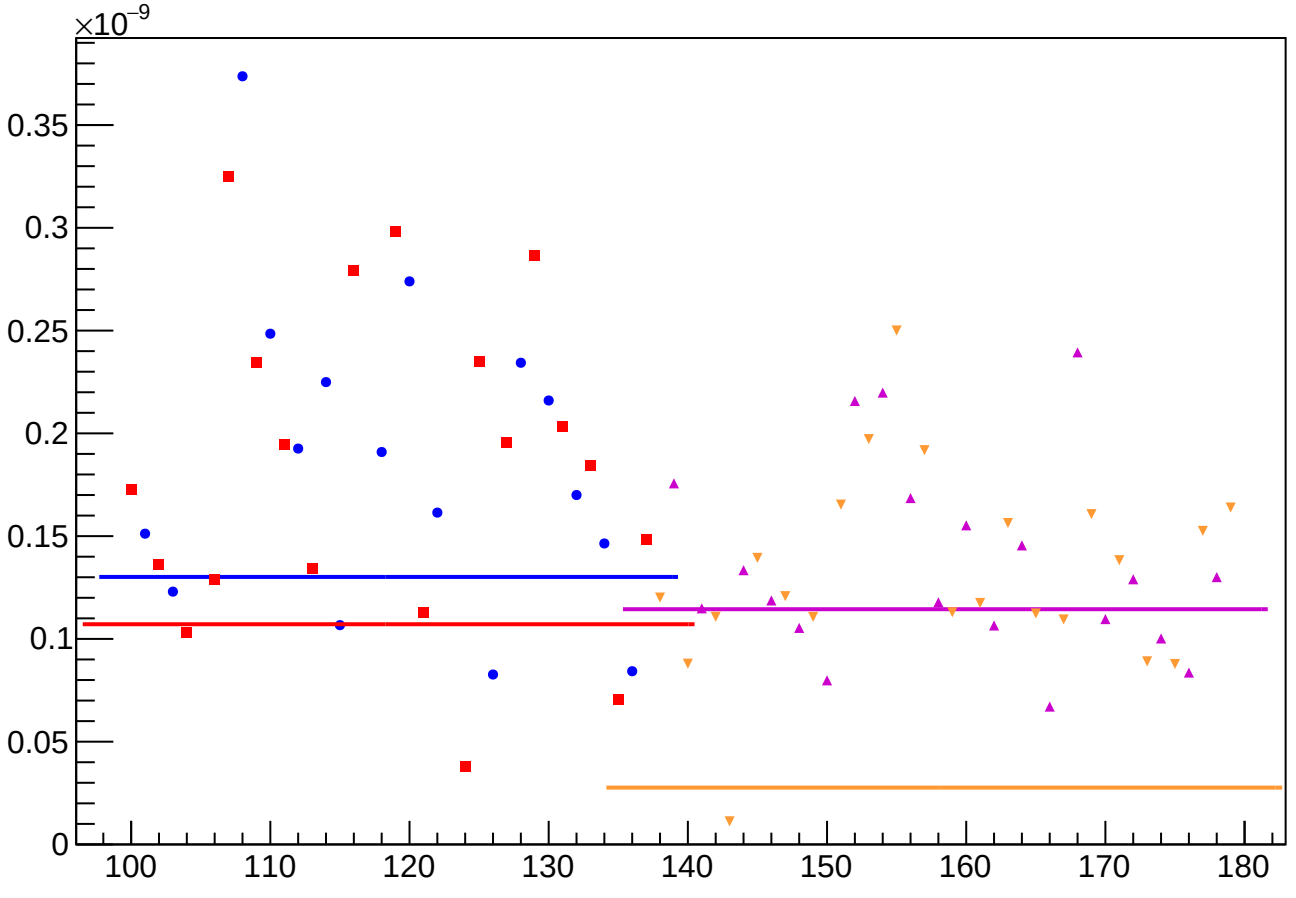
Right Out: 0.000+/-0.000 χ^2/NDF: 15.3/18

Left In: 0.000+/-0.000 χ^2/NDF:23.0/19

+ sign 0.000+/-0.000 χ^2/NDF: 28.7/37

All: 0.000+/-0.000 χ^2/NDF: 70.9/76

- sign 0.000+/-0.000 χ^2/NDF: 39.0/38



Right In: 0.000+/-0.000 χ^2/NDF: 1334266.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:16602358.4/21

Right Out: 0.000+/-0.000 χ^2/NDF: 2656168.1/18

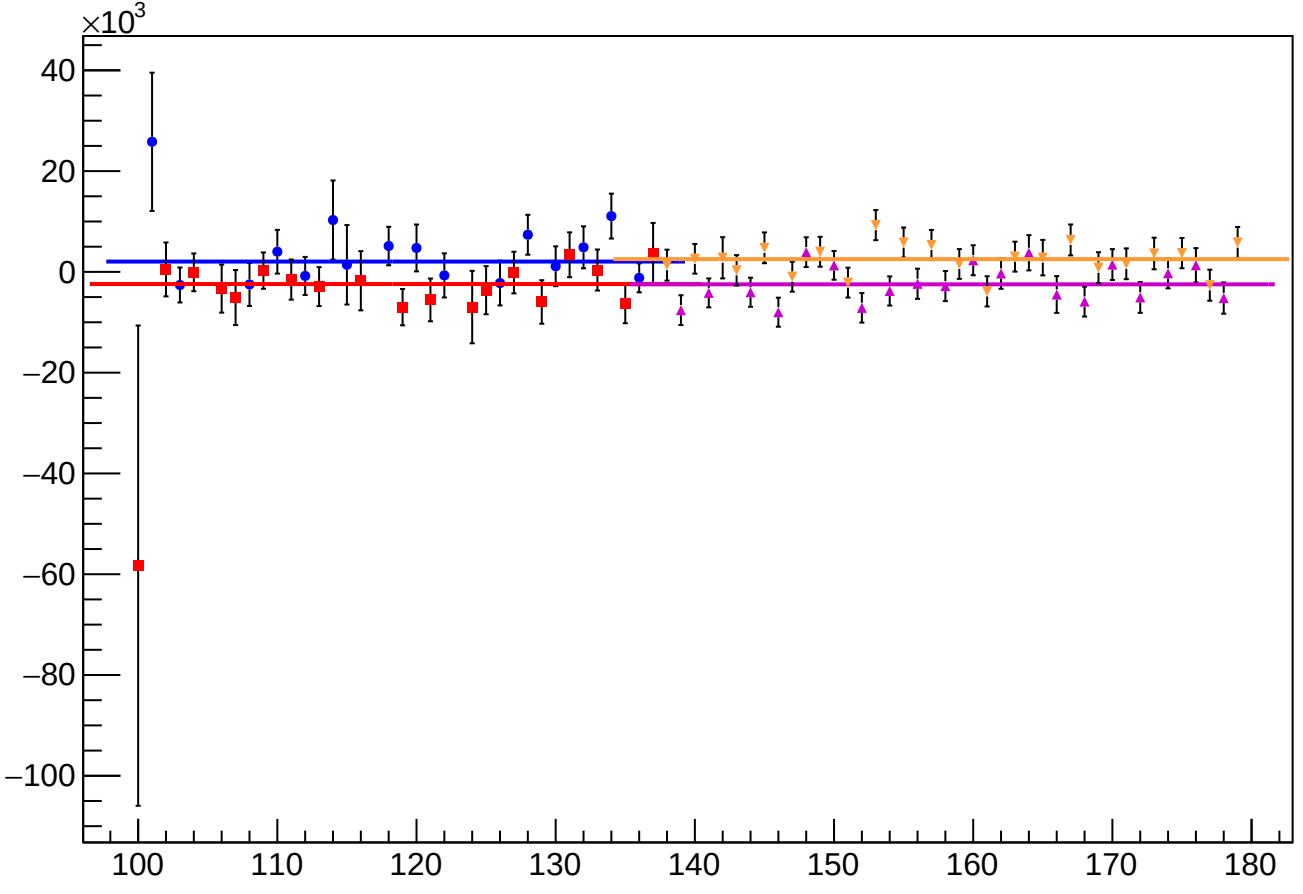
Left In: 0.000+/-0.000 χ^2/NDF:2104386.6/19

+ sign 0.000+/-0.000 χ^2/NDF: 22354326.2/37

All: 0.000+/-0.000 χ^2/NDF: 38738148.6/76

- sign 0.000+/-0.000 χ^2/NDF: 4783084.9/38

reg_asym_atr1_mean vs Slug



Right In: 2049.493+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 2535.688+/-654.216 χ^2/NDF:23.4/21

Right Out: -2411.858+/-1035.471 χ^2/NDF: 10.8/18

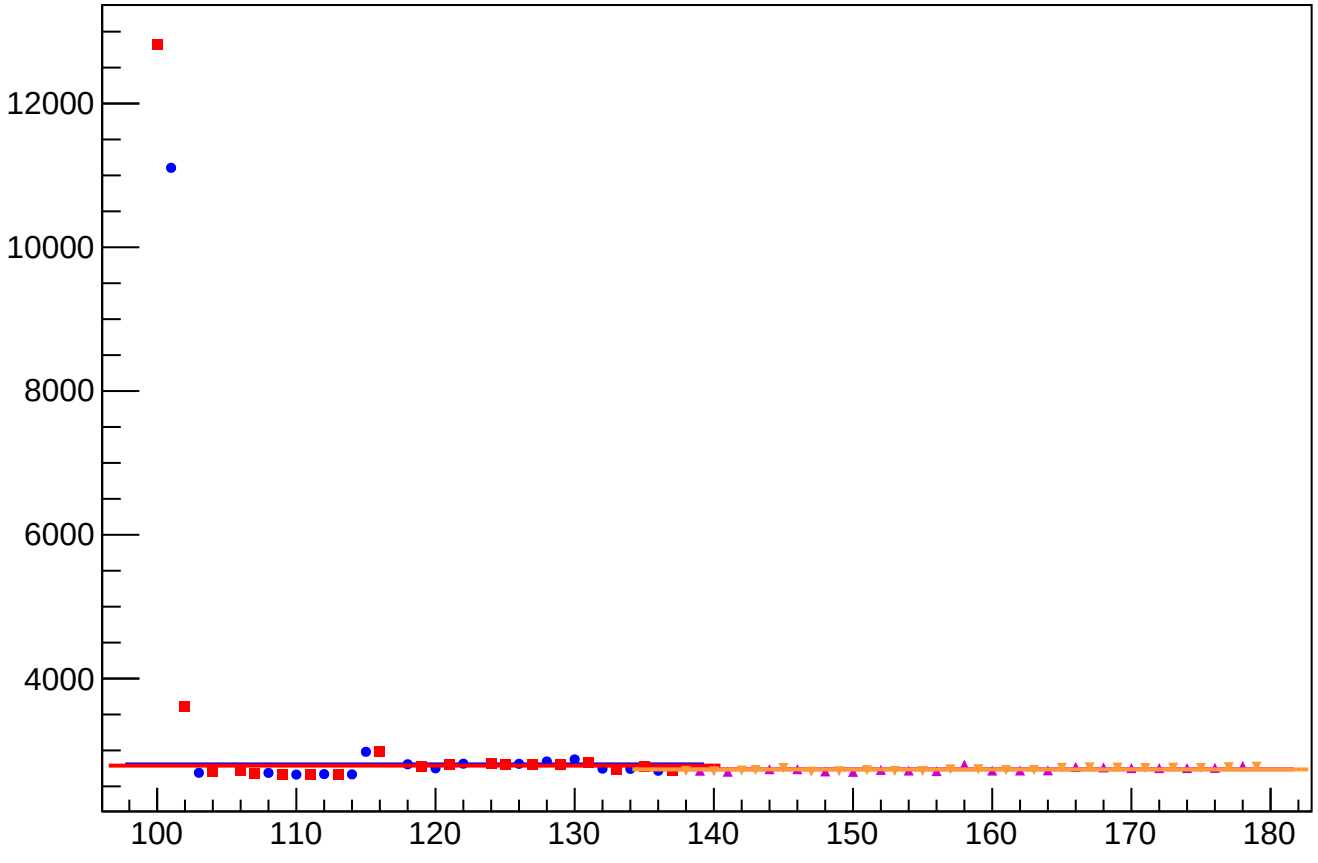
Left In: -2470.247+/-677.263 χ^2/NDF:29.3/19

+ sign 2403.461+/-558.211 χ^2/NDF: 41.3/37

All: 12.394+/-397.714 χ^2/NDF: 118.7/76

- sign -2452.753+/-566.792 χ^2/NDF: 40.1/38

reg_asym_atr1_rms vs Slug



Right In: 2805.446+/-0.757 χ^2/NDF: 746240.6/15

Left Out: 2736.015+/-0.463 χ^2/NDF:2203.3/21

Right Out: 2788.820+/-0.732 χ^2/NDF: 146998.3/18

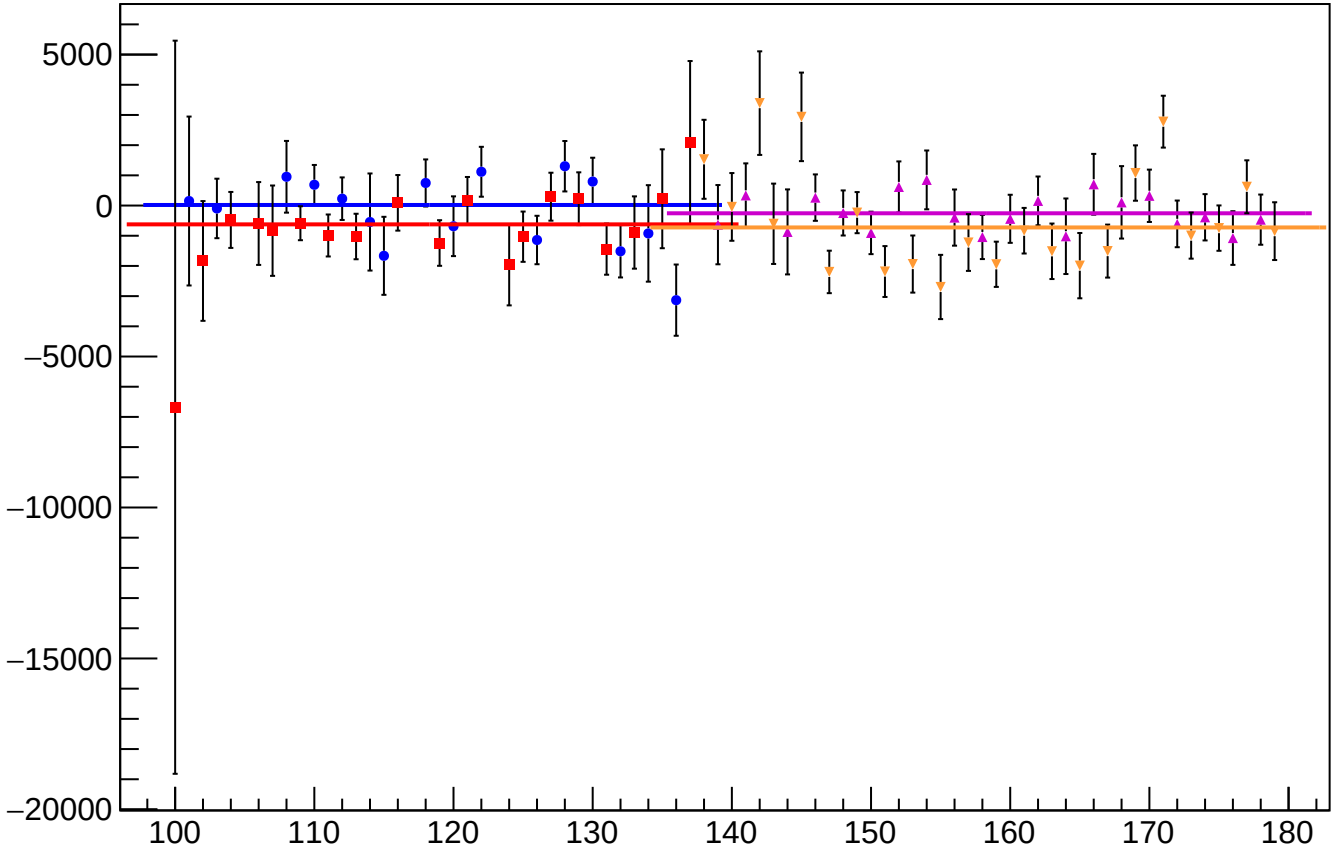
Left In: 2738.084+/-0.479 χ^2/NDF:3233.9/19

+ sign 2754.897+/-0.395 χ^2/NDF: 754570.3/37

All: 2754.104+/-0.281 χ^2/NDF: 908173.7/76

- sign 2753.286+/-0.401 χ^2/NDF: 153595.2/38

asym_atr1_reg_correction_mean vs Slug



Right In: 18.981+/-233.483 χ^2/NDF: 22.8/15

Left Out: -725.273+/-193.273 χ^2/NDF:57.2/21

Right Out: -623.107+/-215.948 χ^2/NDF: 9.3/18

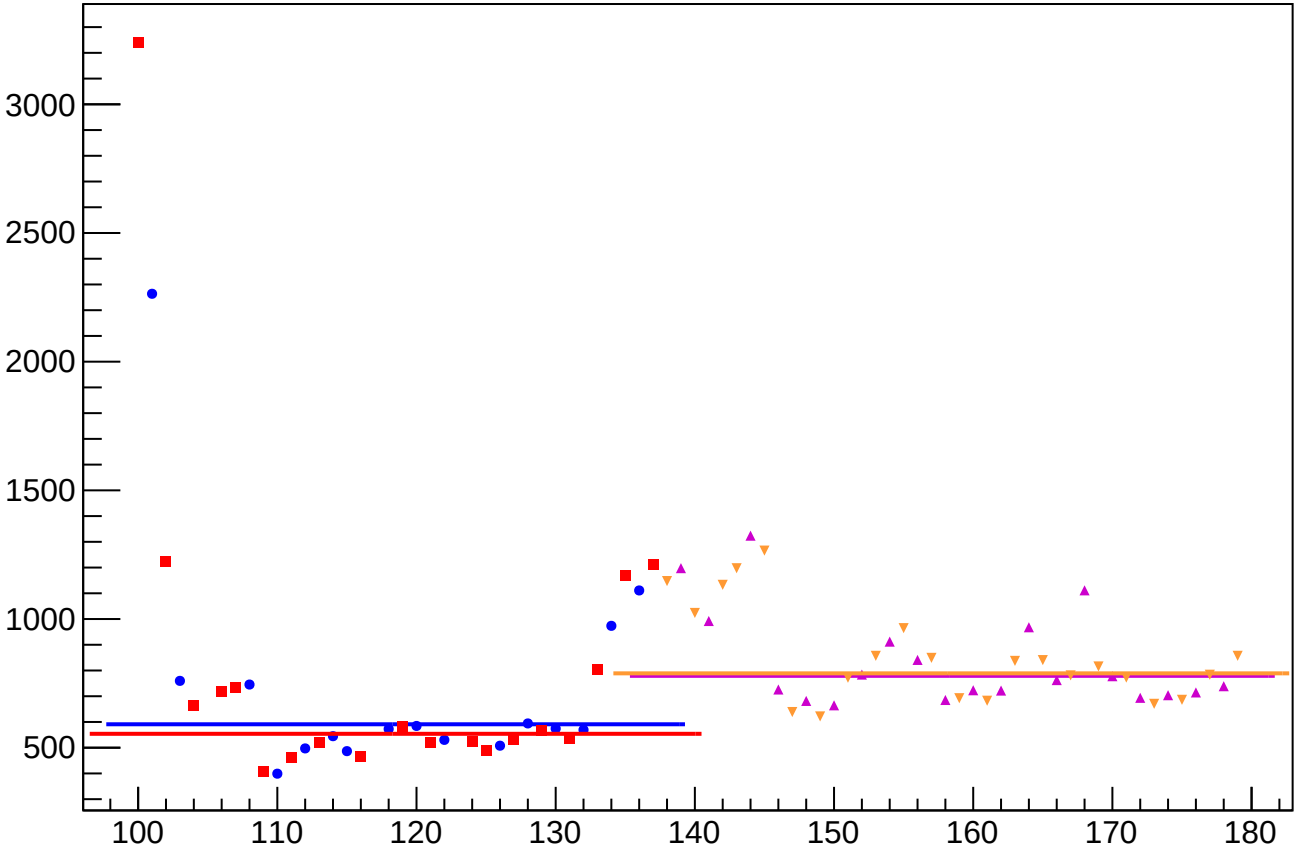
Left In: -256.103+/-196.797 χ^2/NDF:8.7/19

+ sign -422.655+/-148.882 χ^2/NDF: 86.0/37

All: -422.633+/-104.043 χ^2/NDF: 105.5/76

- sign -422.613+/-145.457 χ^2/NDF: 19.6/38

asym_atr1_reg_correction_rms vs Slug



Right In: 591.041+/-0.165 χ^2/NDF: 1567663.5/15

Left Out: 788.913+/-0.137 χ^2/NDF:1185992.0/21

Right Out: 553.982+/-0.153 χ^2/NDF: 1116915.2/18

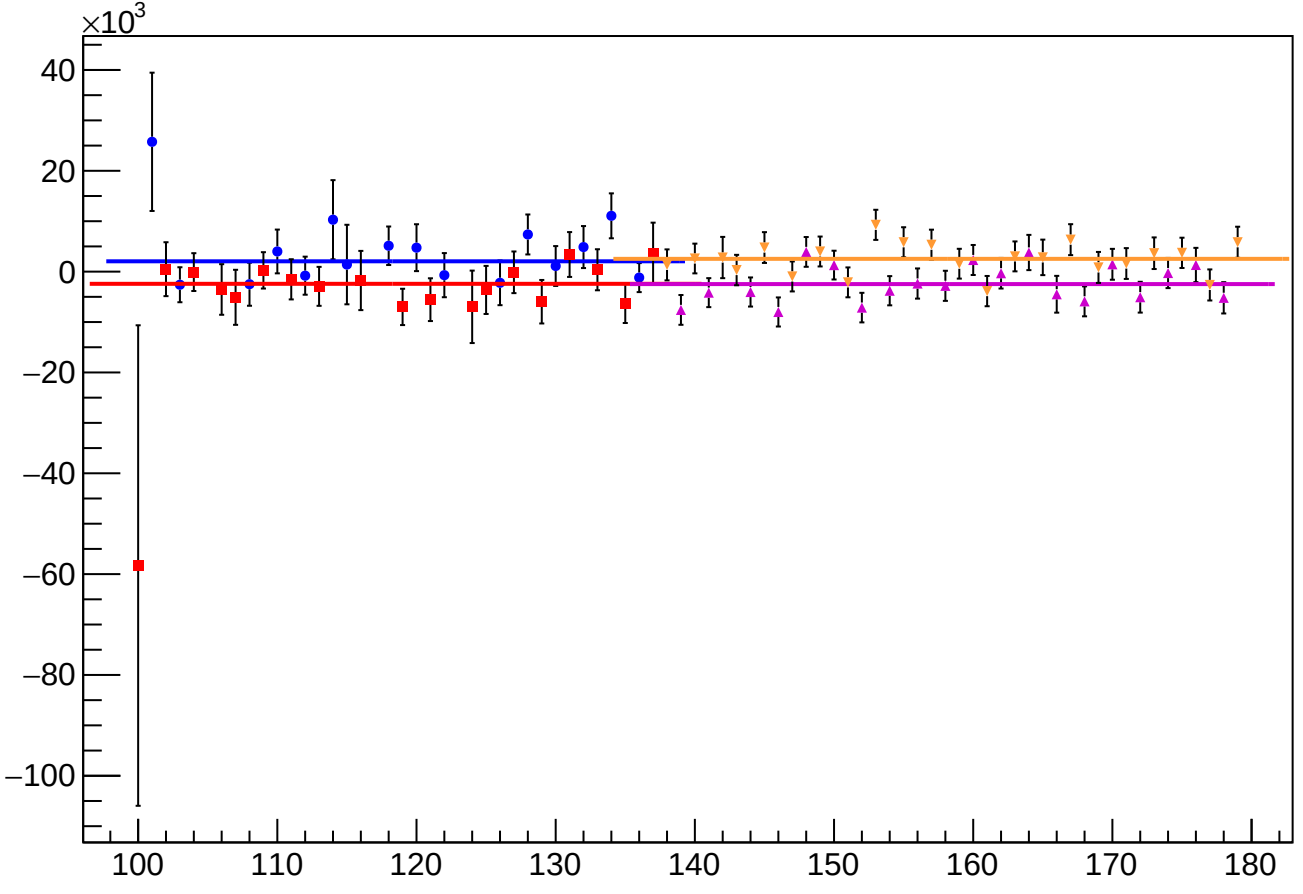
Left In: 779.278+/-0.139 χ^2/NDF:1037578.1/19

+ sign 708.457+/-0.105 χ^2/NDF: 3606030.5/37

All: 692.394+/-0.074 χ^2/NDF: 6995267.6/76

- sign 677.061+/-0.103 χ^2/NDF: 3343732.3/38

cor_asym_atr1_mean vs Slug



Right In: 2048.688+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 2535.684+/-654.216 χ^2/NDF:23.4/21

Right Out: -2417.909+/-1037.856 χ^2/NDF: 10.8/18

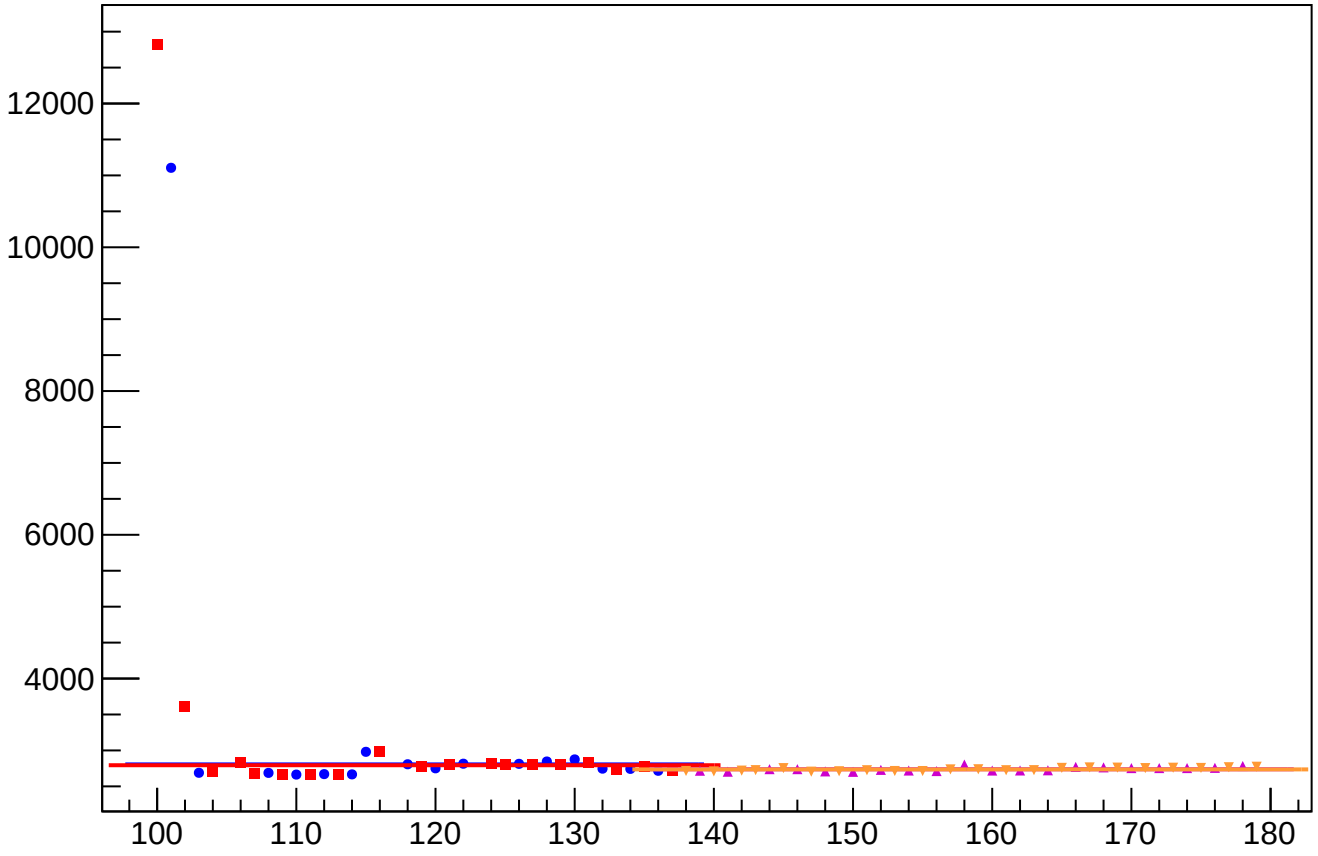
Left In: -2470.337+/-677.263 χ^2/NDF:29.3/19

+ sign 2403.239+/-558.211 χ^2/NDF: 41.3/37

All: 13.004+/-397.849 χ^2/NDF: 118.7/76

- sign -2454.679+/-567.182 χ^2/NDF: 40.1/38

cor_asym_atr1_rms vs Slug



Right In: 2805.446+/-0.757 χ^2/NDF: 746239.8/15

Left Out: 2736.015+/-0.463 χ^2/NDF:2203.3/21

Right Out: 2794.157+/-0.734 χ^2/NDF: 146744.3/18

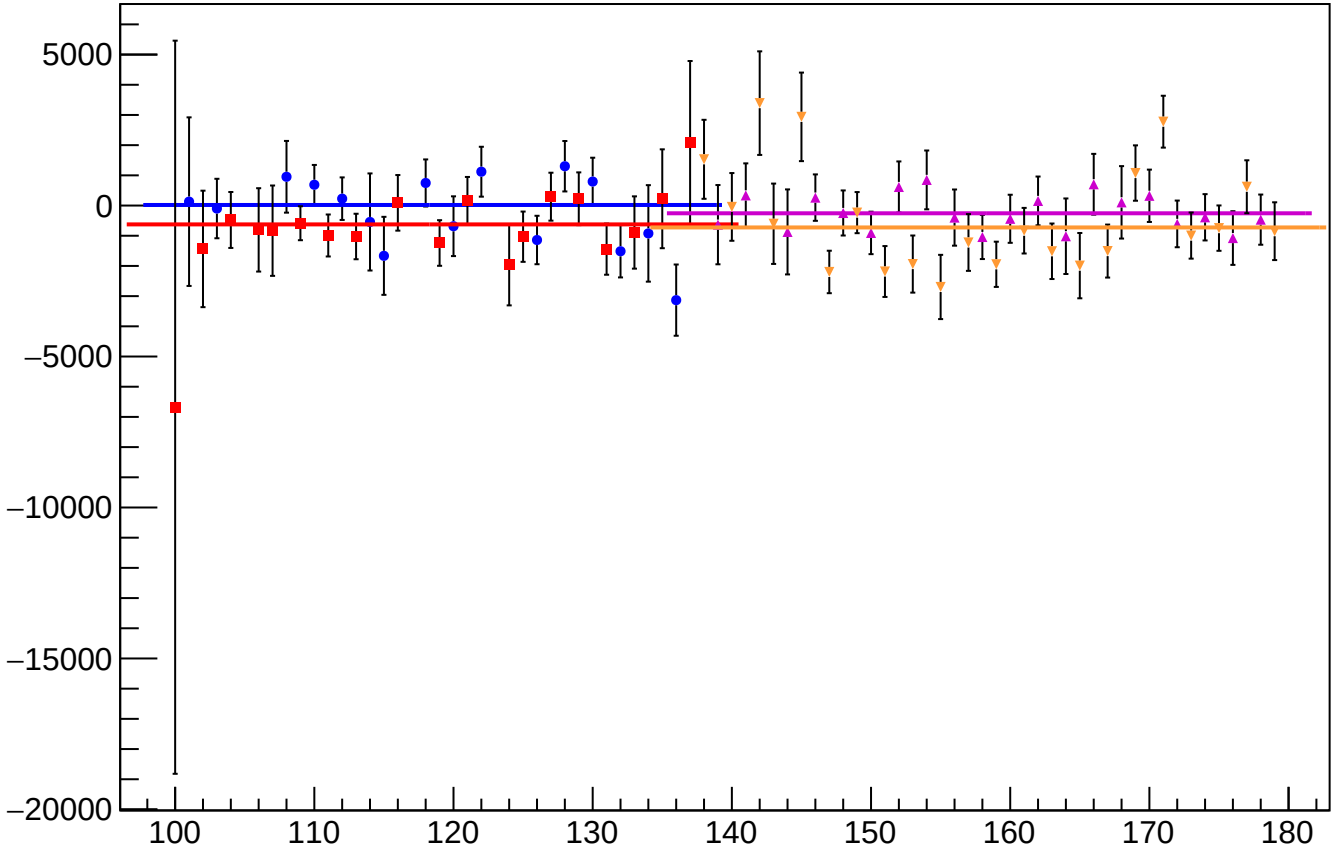
Left In: 2738.084+/-0.479 χ^2/NDF:3233.9/19

+ sign 2754.897+/-0.395 χ^2/NDF: 754569.4/37

All: 2754.864+/-0.281 χ^2/NDF: 908642.1/76

- sign 2754.831+/-0.401 χ^2/NDF: 154072.6/38

asym_atr1_cor_correction_mean vs Slug



Right In: 18.940+/-233.471 χ^2/NDF: 22.8/15

Left Out: -725.252+/-193.272 χ^2/NDF:57.2/21

Right Out: -624.217+/-215.902 χ^2/NDF: 9.1/18

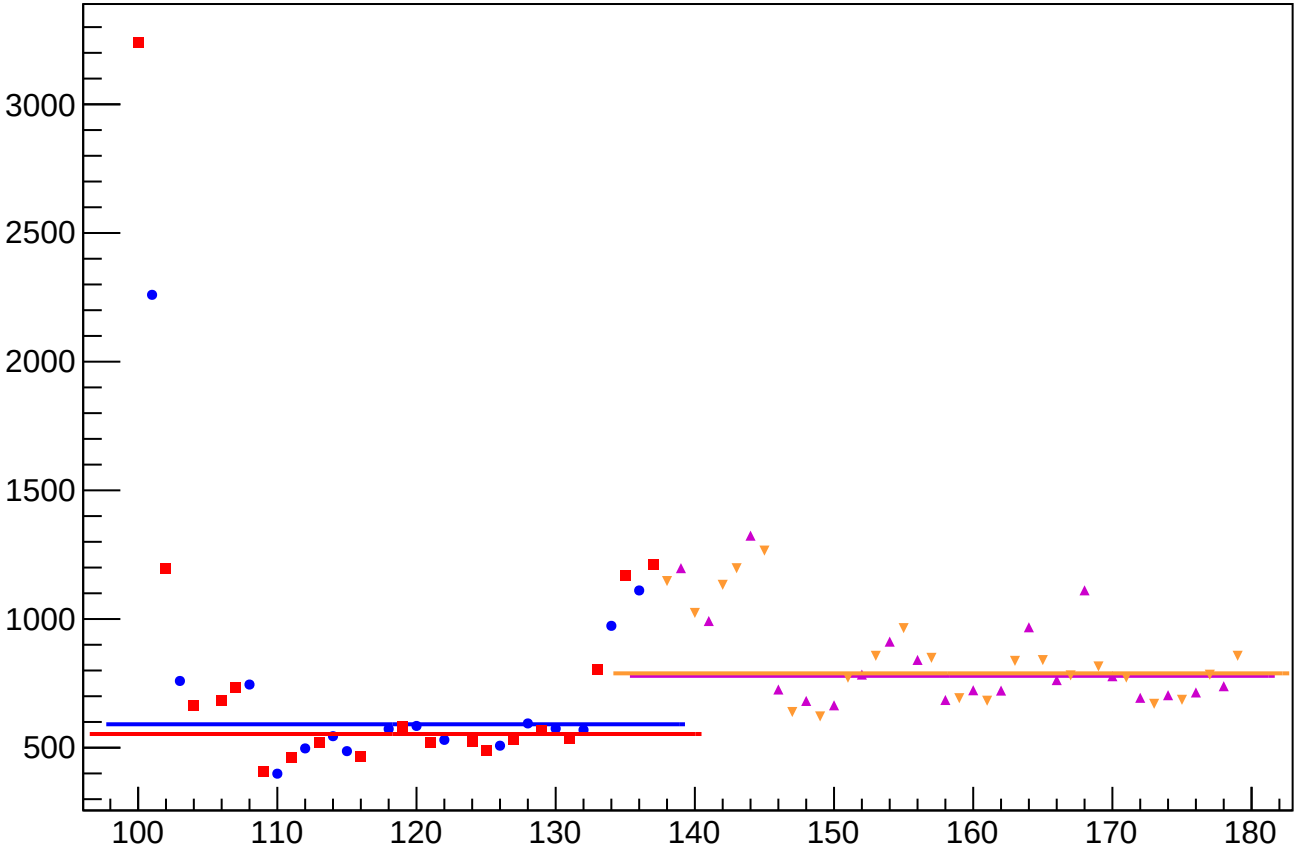
Left In: -256.204+/-196.797 χ^2/NDF:8.7/19

\+ sign -422.642+/-148.879 χ^2/NDF: 86.0/37

All: -422.933+/-104.037 χ^2/NDF: 105.4/76

\- sign -423.211+/-145.443 χ^2/NDF: 19.4/38

asym_atr1_cor_correction_rms vs Slug



Right In: 591.039+/-0.165 χ^2/NDF: 1566635.0/15

Left Out: 788.911+/-0.137 χ^2/NDF:1186019.8/21

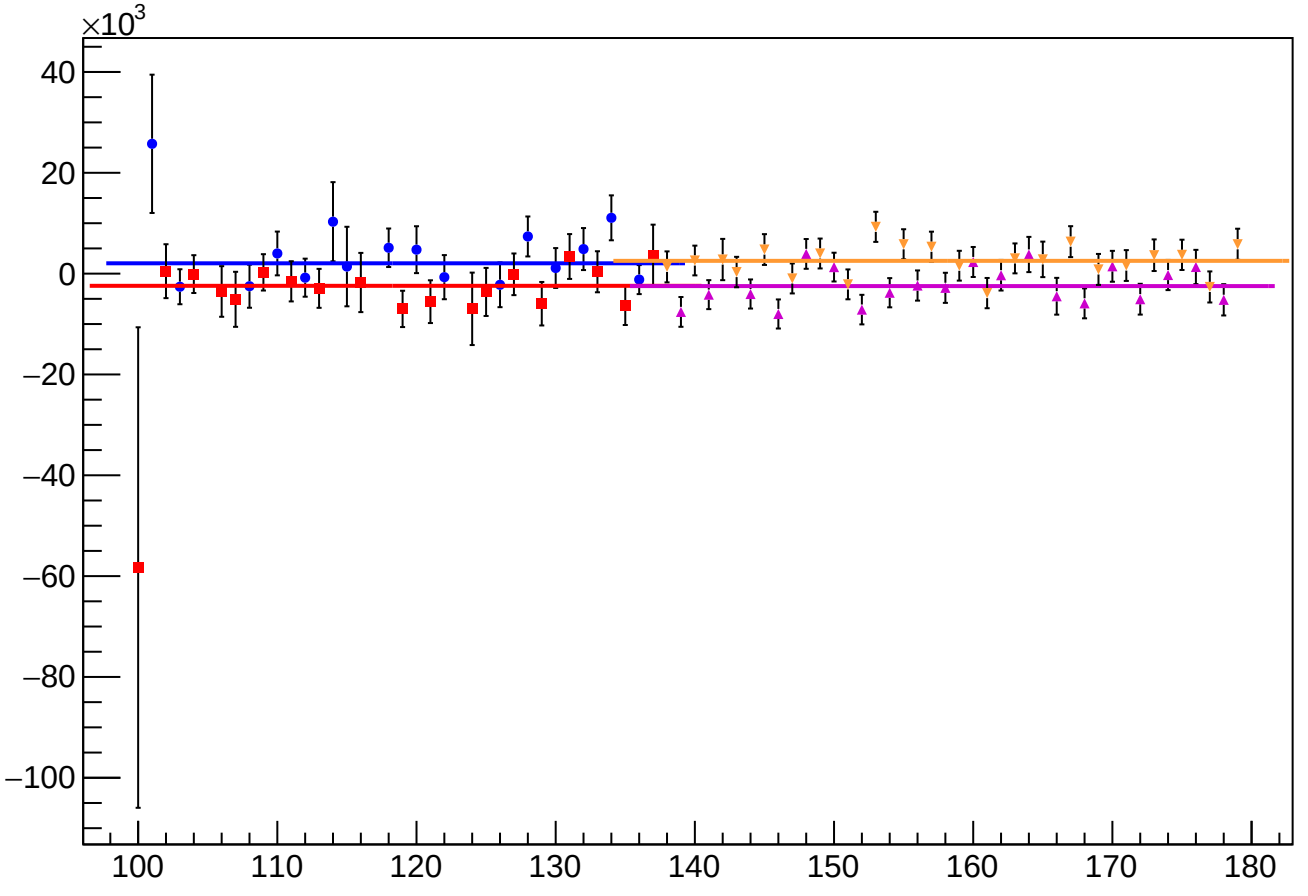
Right Out: 553.233+/-0.153 χ^2/NDF: 1101651.0/18

Left In: 779.280+/-0.139 χ^2/NDF:1037513.4/19

+ sign 708.450+/-0.105 χ^2/NDF: 3605077.1/37

All: 692.204+/-0.074 χ^2/NDF: 6988250.1/76

- sign 676.698+/-0.103 χ^2/NDF: 3336624.1/38



Right In: 2048.688+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 2535.684+/-654.216 χ^2/NDF:23.4/21

Right Out: -2417.909+/-1037.856 χ^2/NDF: 10.8/18

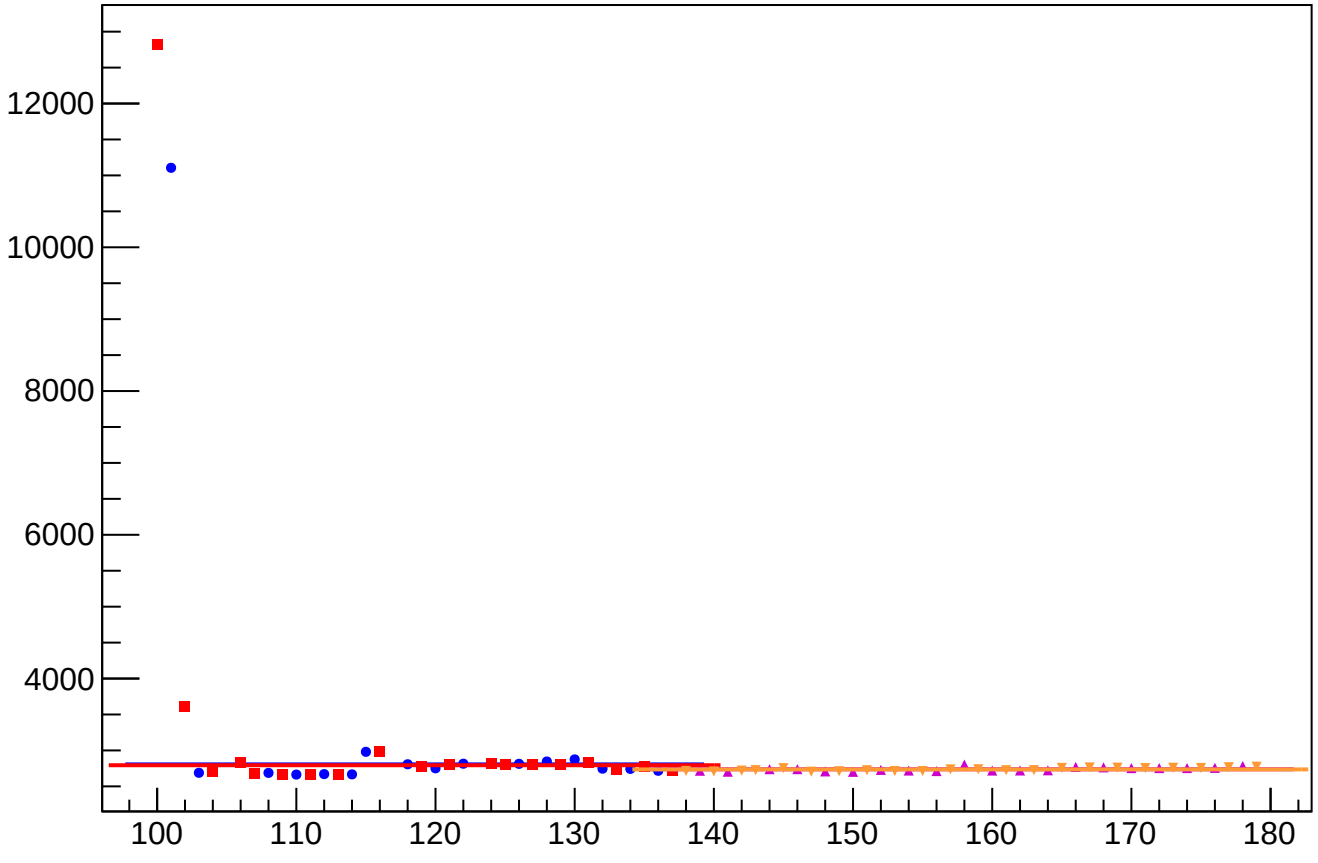
Left In: -2470.337+/-677.263 χ^2/NDF:29.3/19

+ sign 2403.239+/-558.211 χ^2/NDF: 41.3/37

All: 13.004+/-397.849 χ^2/NDF: 118.7/76

- sign -2454.679+/-567.182 χ^2/NDF: 40.1/38

eigen_cor_asym_atr1_rms vs Slug



Right In: 2805.446+/-0.757 χ^2/NDF: 746239.8/15

Left Out: 2736.015+/-0.463 χ^2/NDF:2203.3/21

Right Out: 2794.157+/-0.734 χ^2/NDF: 146744.3/18

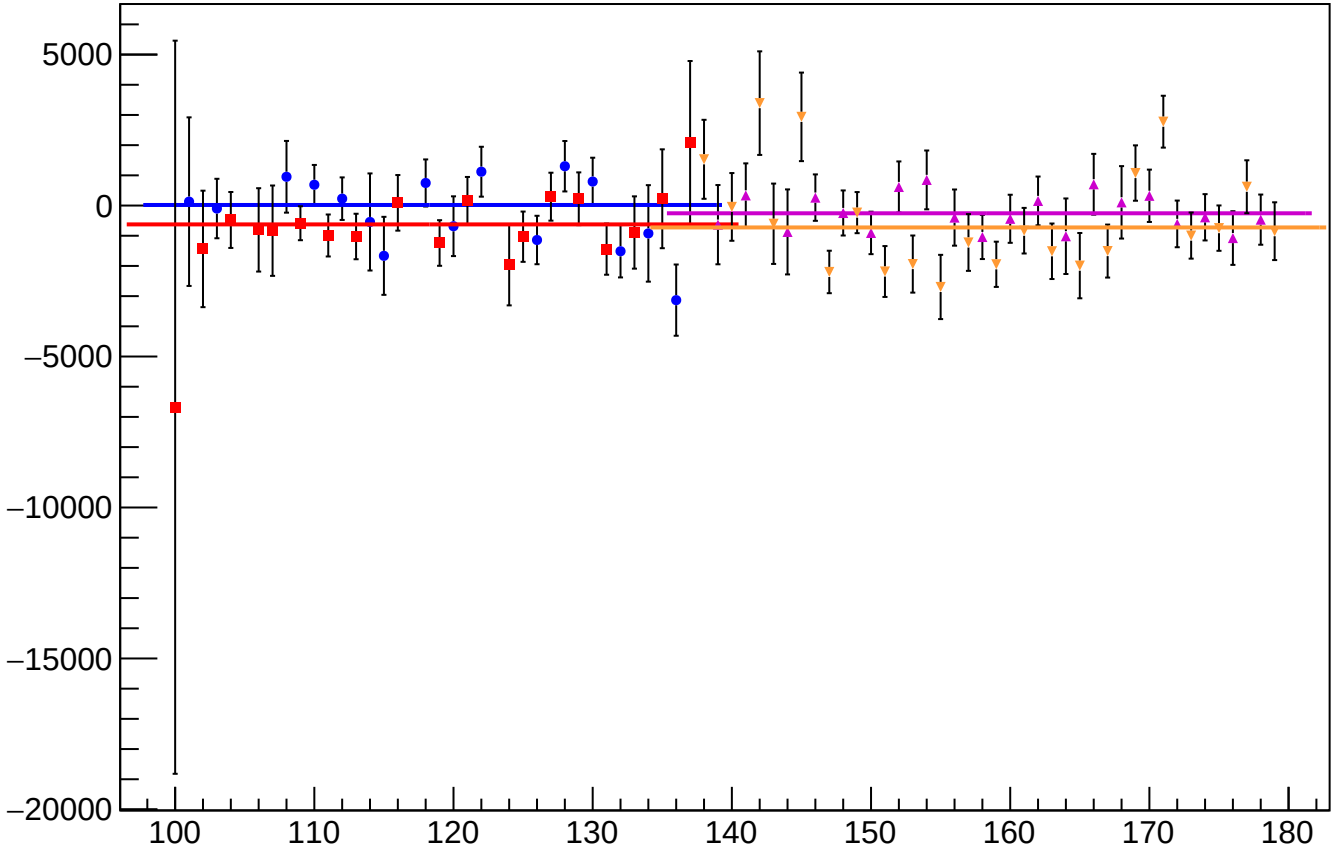
Left In: 2738.084+/-0.479 χ^2/NDF:3233.9/19

+ sign 2754.897+/-0.395 χ^2/NDF: 754569.4/37

All: 2754.864+/-0.281 χ^2/NDF: 908642.1/76

- sign 2754.831+/-0.401 χ^2/NDF: 154072.6/38

asym_atr1_eigen_cor_correction_mean vs Slug



Right In: 18.940+/-233.471 χ^2/NDF: 22.8/15

Left Out: -725.252+/-193.272 χ^2/NDF:57.2/21

Right Out: -624.217+/-215.902 χ^2/NDF: 9.1/18

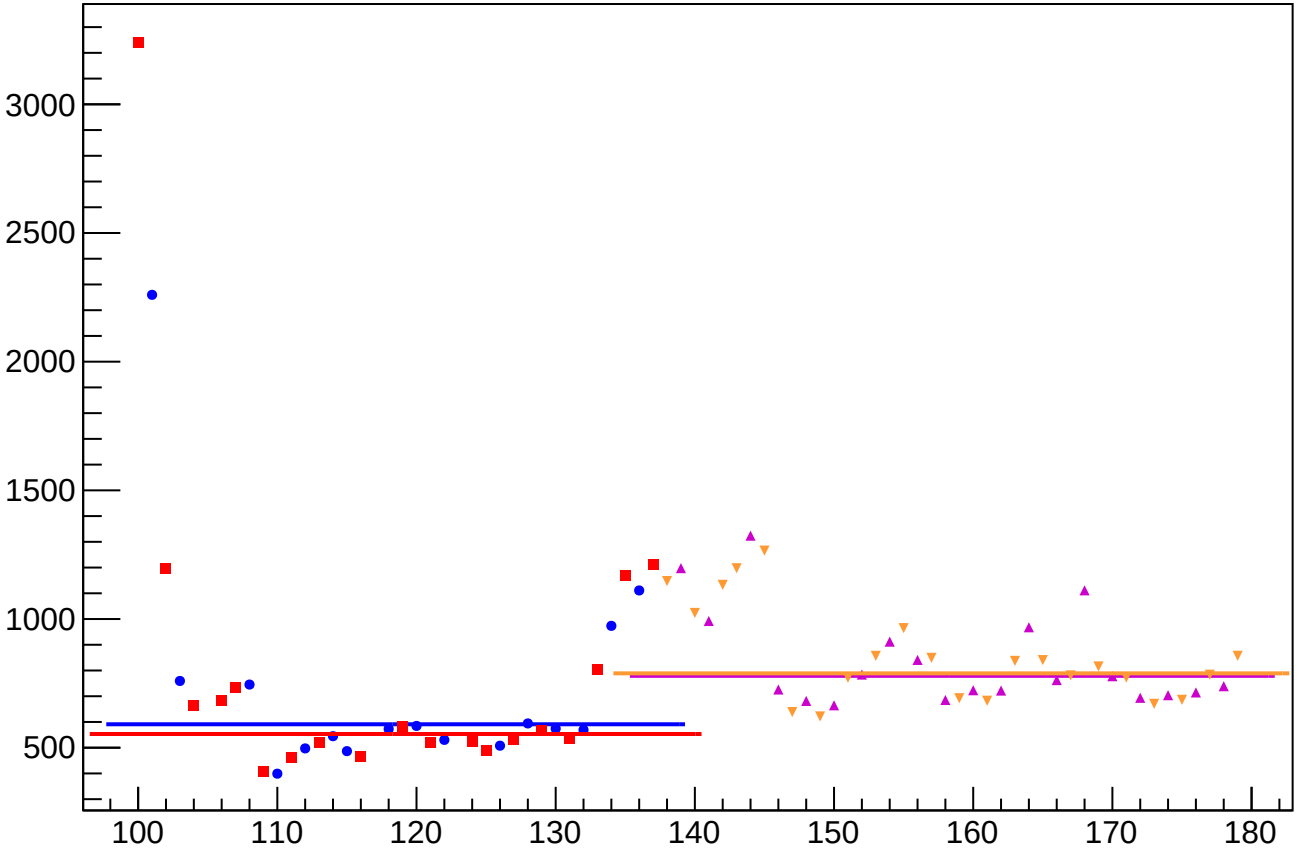
Left In: -256.204+/-196.797 χ^2/NDF:8.7/19

\+ sign -422.642+/-148.879 χ^2/NDF: 86.0/37

All: -422.933+/-104.037 χ^2/NDF: 105.4/76

\- sign -423.211+/-145.443 χ^2/NDF: 19.4/38

asym_atr1_eigen_cor_correction_rms vs Slug



Right In: 591.039+/-0.165 χ^2/NDF: 1566635.0/15

Left Out: 788.911+/-0.137 χ^2/NDF:1186019.8/21

Right Out: 553.233+/-0.153 χ^2/NDF: 1101651.0/18

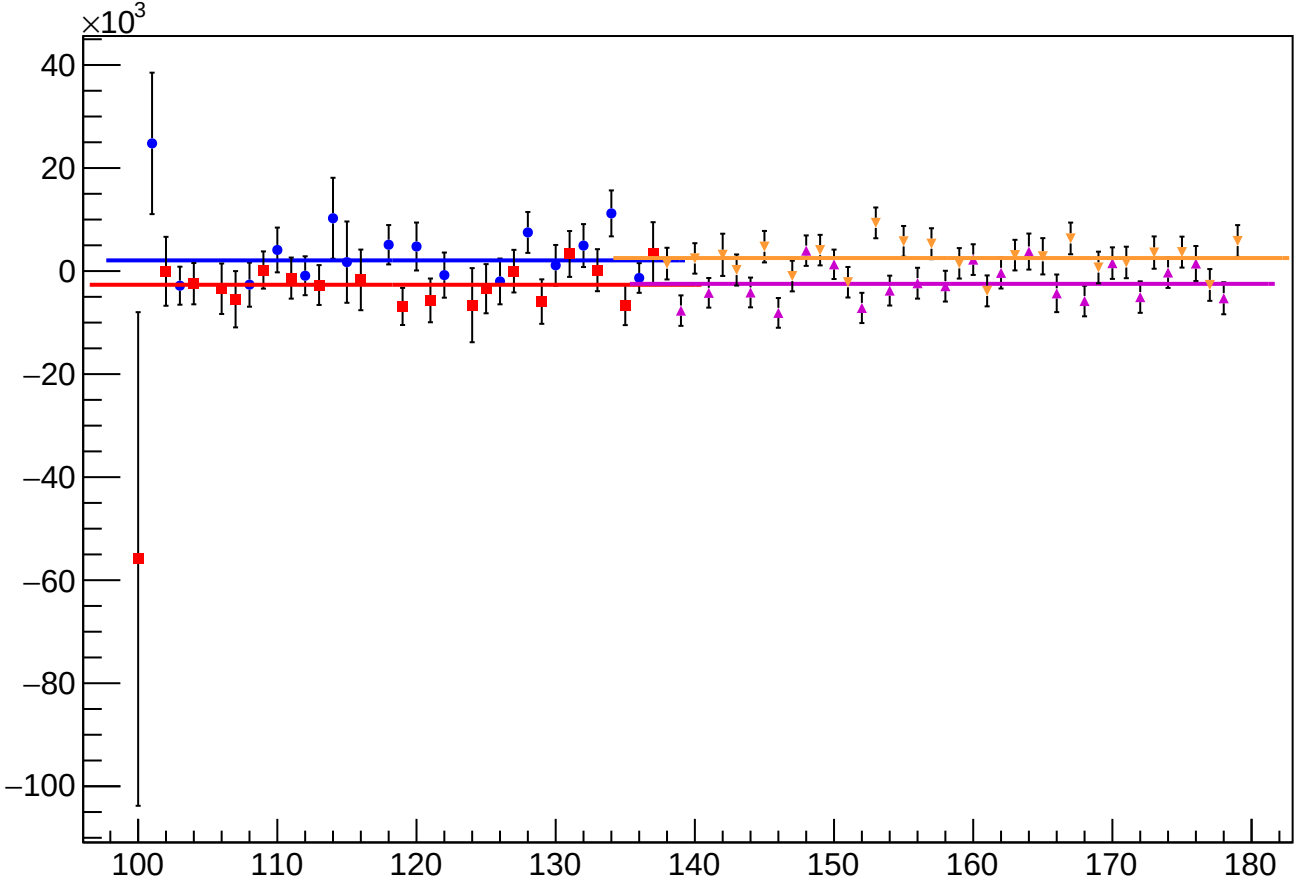
Left In: 779.280+/-0.139 χ^2/NDF:1037513.4/19

+ sign 708.450+/-0.105 χ^2/NDF: 3605077.1/37

All: 692.204+/-0.074 χ^2/NDF: 6988250.1/76

- sign 676.698+/-0.103 χ^2/NDF: 3336624.1/38

dit_asym_atr1_mean vs Slug



Right In: 2074.766+/-1077.182 χ^2/NDF: 17.9/15

Left Out: 2528.772+/-654.651 χ^2/NDF:23.6/21

Right Out: -2657.301+/-1049.868 χ^2/NDF: 9.9/18

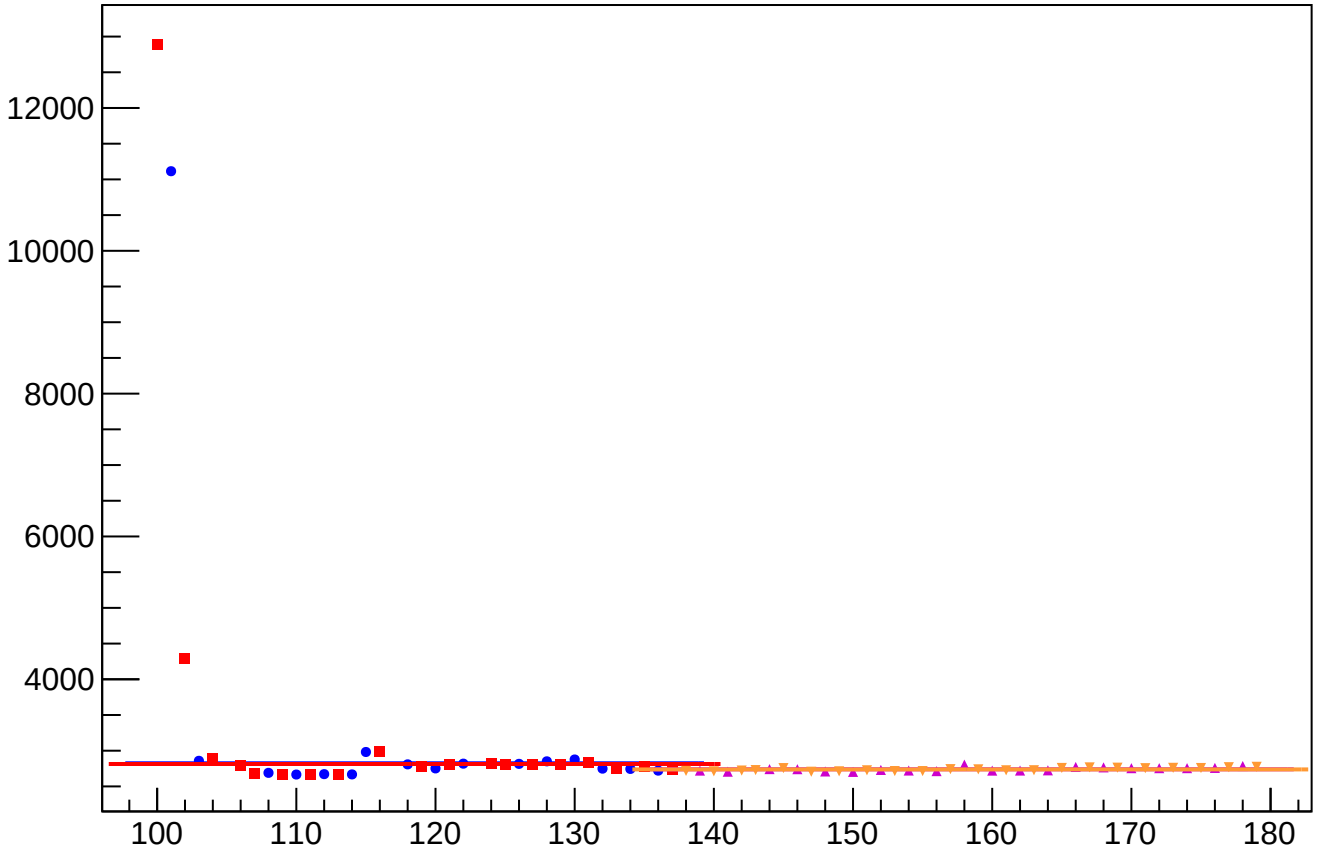
Left In: -2480.506+/-677.653 χ^2/NDF:29.7/19

+ sign 2406.314+/-559.438 χ^2/NDF: 41.6/37

All: -19.727+/-399.041 χ^2/NDF: 119.6/76

- sign -2532.501+/-569.351 χ^2/NDF: 39.7/38

dit_asym_atr1_rms vs Slug



Right In: 2823.448+/-0.762 χ^2/NDF: 743916.1/15

Left Out: 2737.829+/-0.463 χ^2/NDF:2213.5/21

Right Out: 2813.821+/-0.742 χ^2/NDF: 200511.9/18

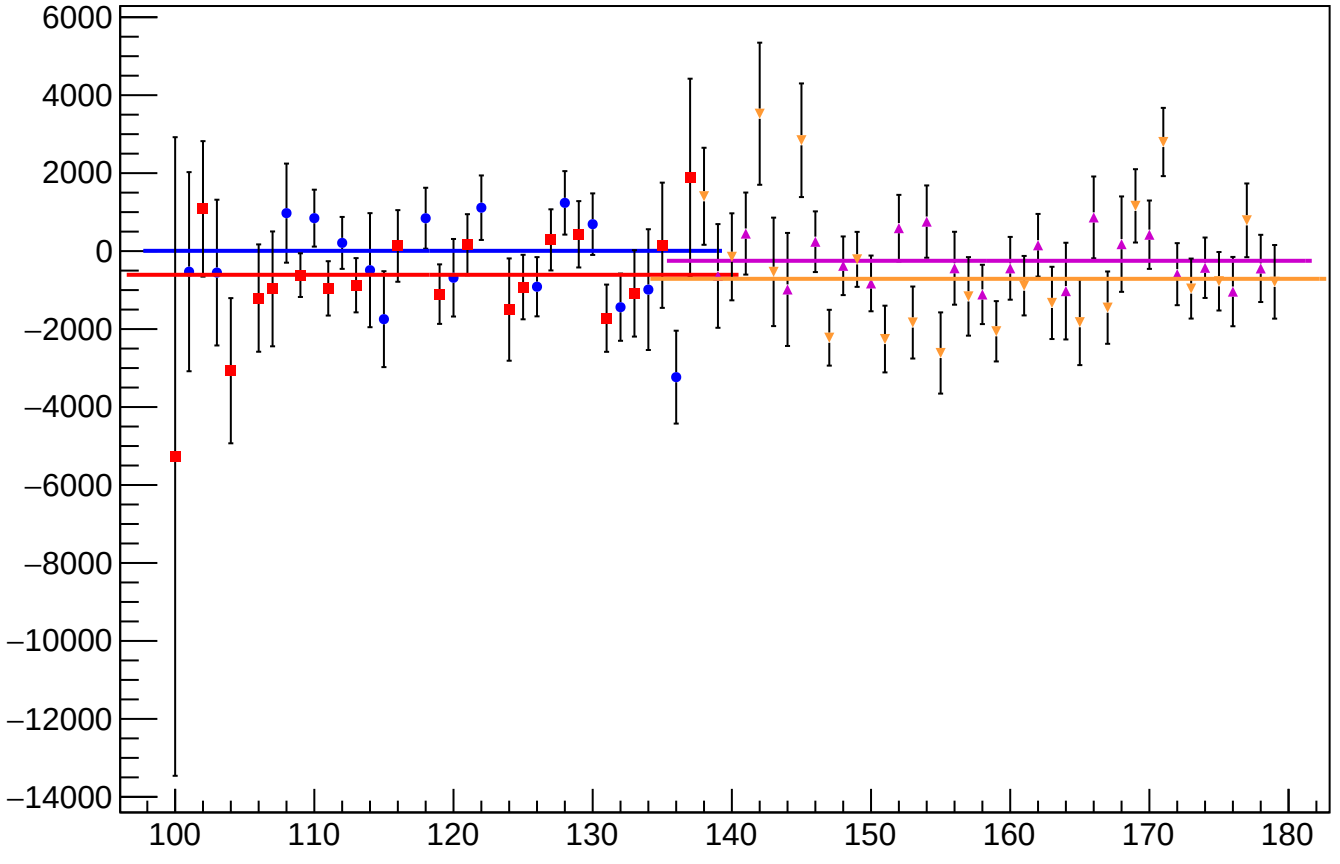
Left In: 2739.654+/-0.479 χ^2/NDF:3247.7/19

+ sign 2760.923+/-0.396 χ^2/NDF: 755357.0/37

All: 2761.190+/-0.282 χ^2/NDF: 966163.3/76

- sign 2761.467+/-0.403 χ^2/NDF: 210805.4/38

asym_atr1_dit_correction_mean vs Slug



Right In: 7.048+/-237.455 χ^2/NDF: 22.8/15

Left Out: -710.926+/-196.789 χ^2/NDF:55.6/21

Right Out: -607.647+/-217.093 χ^2/NDF: 12.2/18

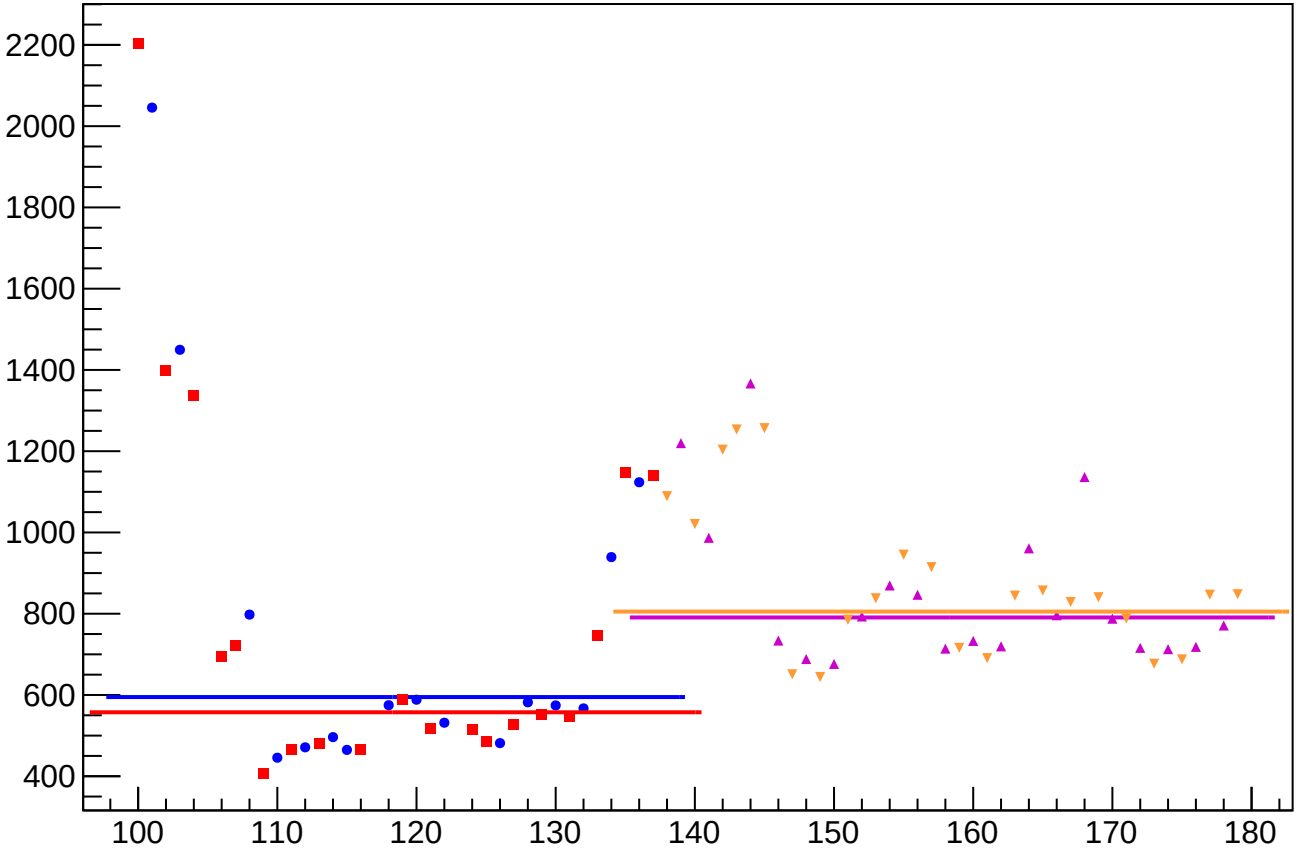
Left In: -248.531+/-199.228 χ^2/NDF:8.9/19

+ sign -418.592+/-151.519 χ^2/NDF: 83.8/37

All: -415.556+/-105.427 χ^2/NDF: 106.4/76

- sign -412.706+/-146.786 χ^2/NDF: 22.6/38

asym_atr1_dit_correction_rms vs Slug



Right In: 594.858+/-0.168 χ^2/NDF: 1852655.3/15

Left Out: 805.252+/-0.139 χ^2/NDF:1131833.3/21

Right Out: 557.397+/-0.154 χ^2/NDF: 1631309.6/18

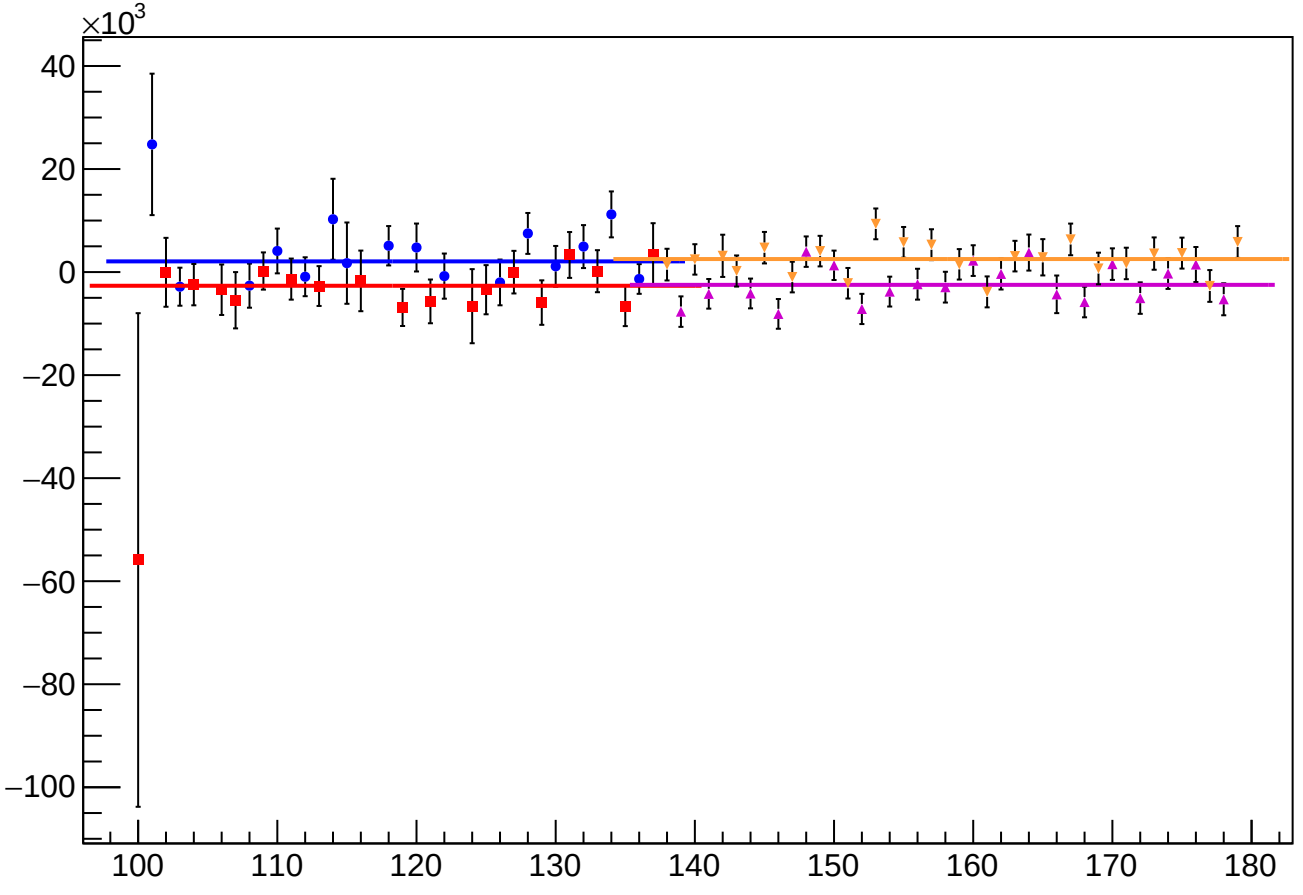
Left In: 790.767+/-0.141 χ^2/NDF:1009143.0/19

+ sign 719.587+/-0.107 χ^2/NDF: 3915318.2/37

All: 701.269+/-0.075 χ^2/NDF: 7867003.8/76

- sign 684.078+/-0.104 χ^2/NDF: 3895023.1/38

eigen_dit_asym_atr1_mean vs Slug



Right In: 2074.766+/-1077.182 χ^2/NDF: 17.9/15

Left Out: 2528.773+/-654.651 χ^2/NDF:23.6/21

Right Out: -2657.300+/-1049.868 χ^2/NDF: 9.9/18

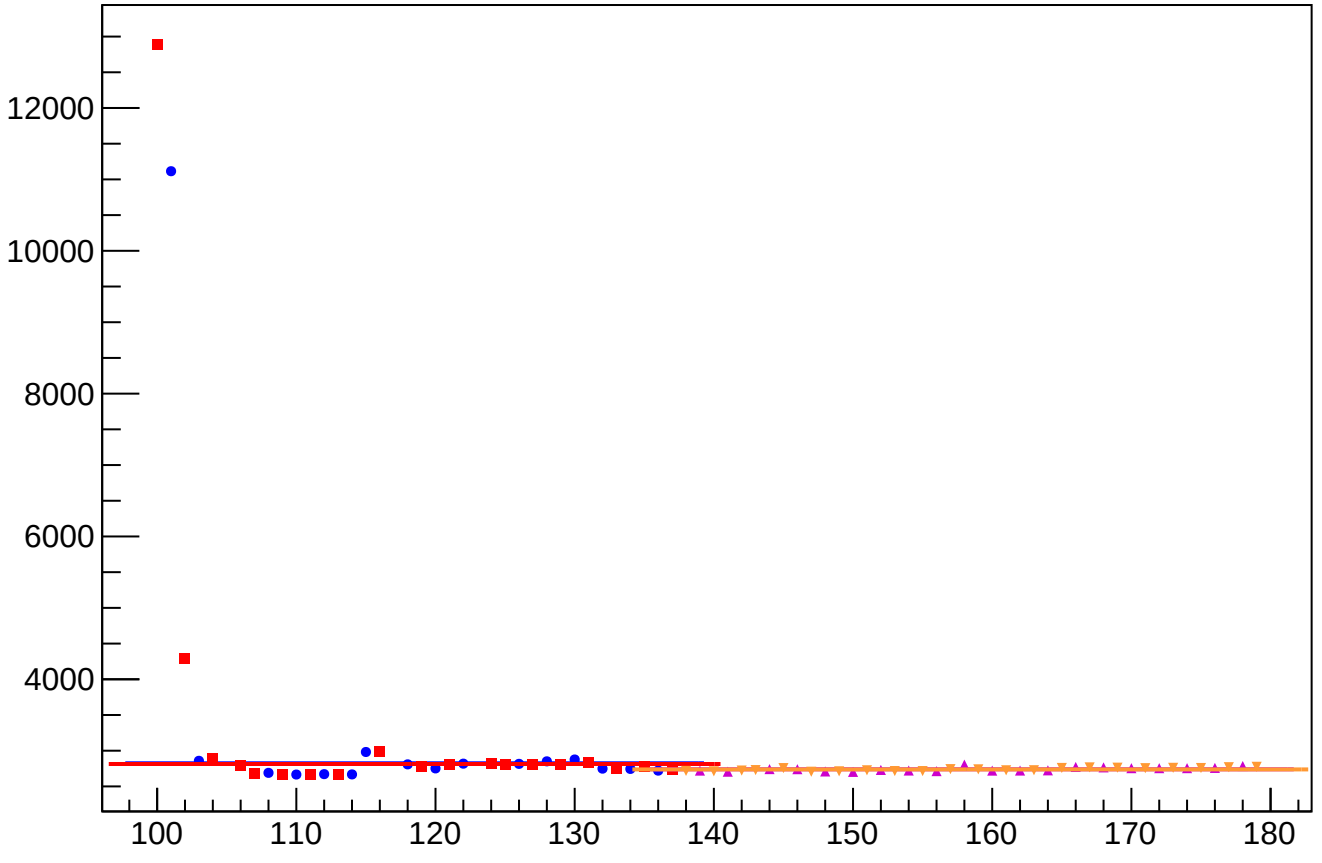
Left In: -2480.506+/-677.653 χ^2/NDF:29.7/19

+ sign 2406.315+/-559.438 χ^2/NDF: 41.6/37

All: -19.727+/-399.041 χ^2/NDF: 119.6/76

- sign -2532.500+/-569.351 χ^2/NDF: 39.7/38

eigen_dit_asym_atr1_rms vs Slug



Right In: 2823.448+/-0.762 χ^2/NDF: 743916.1/15

Left Out: 2737.829+/-0.463 χ^2/NDF:2213.5/21

Right Out: 2813.821+/-0.742 χ^2/NDF: 200511.7/18

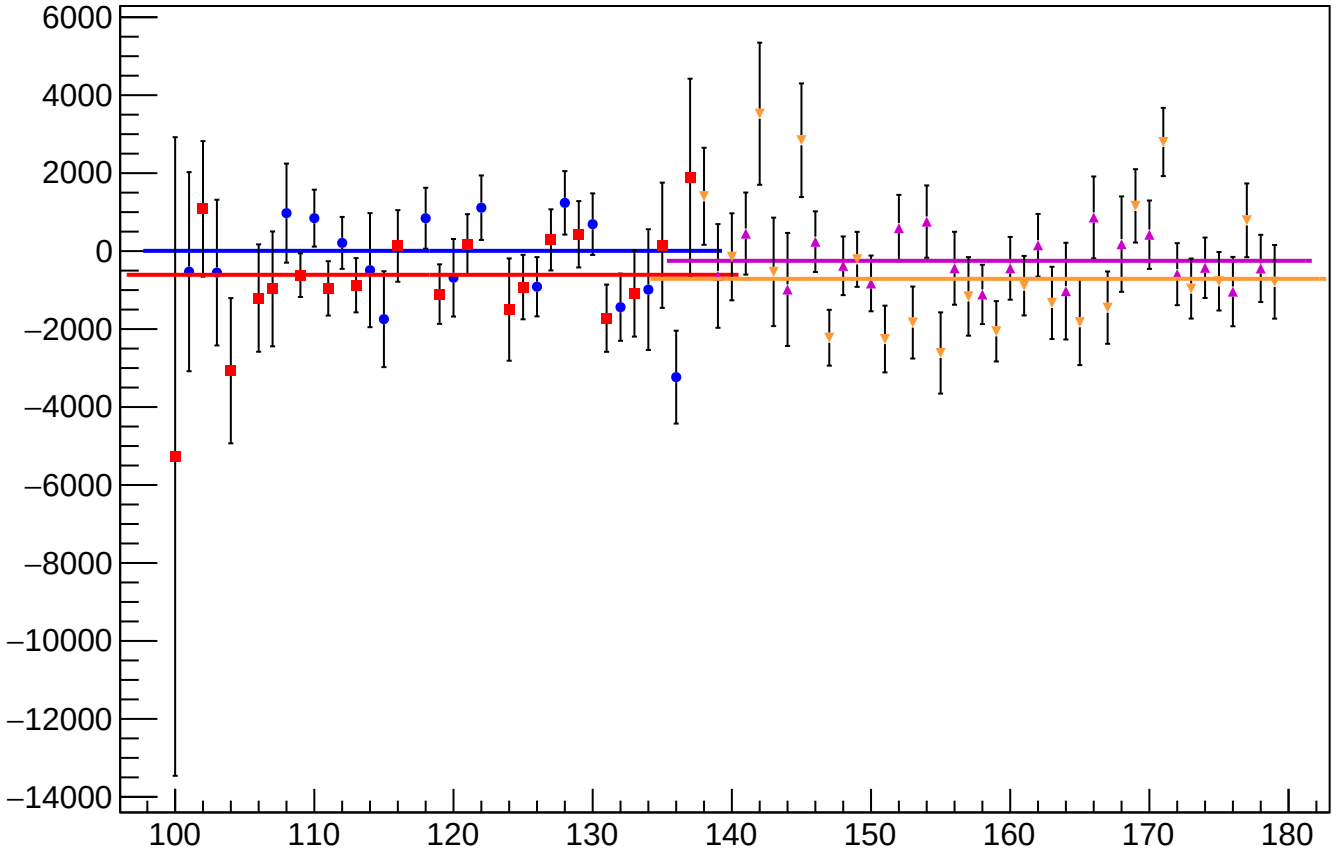
Left In: 2739.654+/-0.479 χ^2/NDF:3247.7/19

+ sign 2760.923+/-0.396 χ^2/NDF: 755357.0/37

All: 2761.190+/-0.282 χ^2/NDF: 966163.0/76

- sign 2761.466+/-0.403 χ^2/NDF: 210805.1/38

asym_atr1_eigen_dit_correction_mean vs Slug



Right In: 7.049+/-237.455 χ^2/NDF: 22.8/15

Left Out: -710.926+/-196.789 χ^2/NDF:55.6/21

Right Out: -607.647+/-217.094 χ^2/NDF: 12.2/18

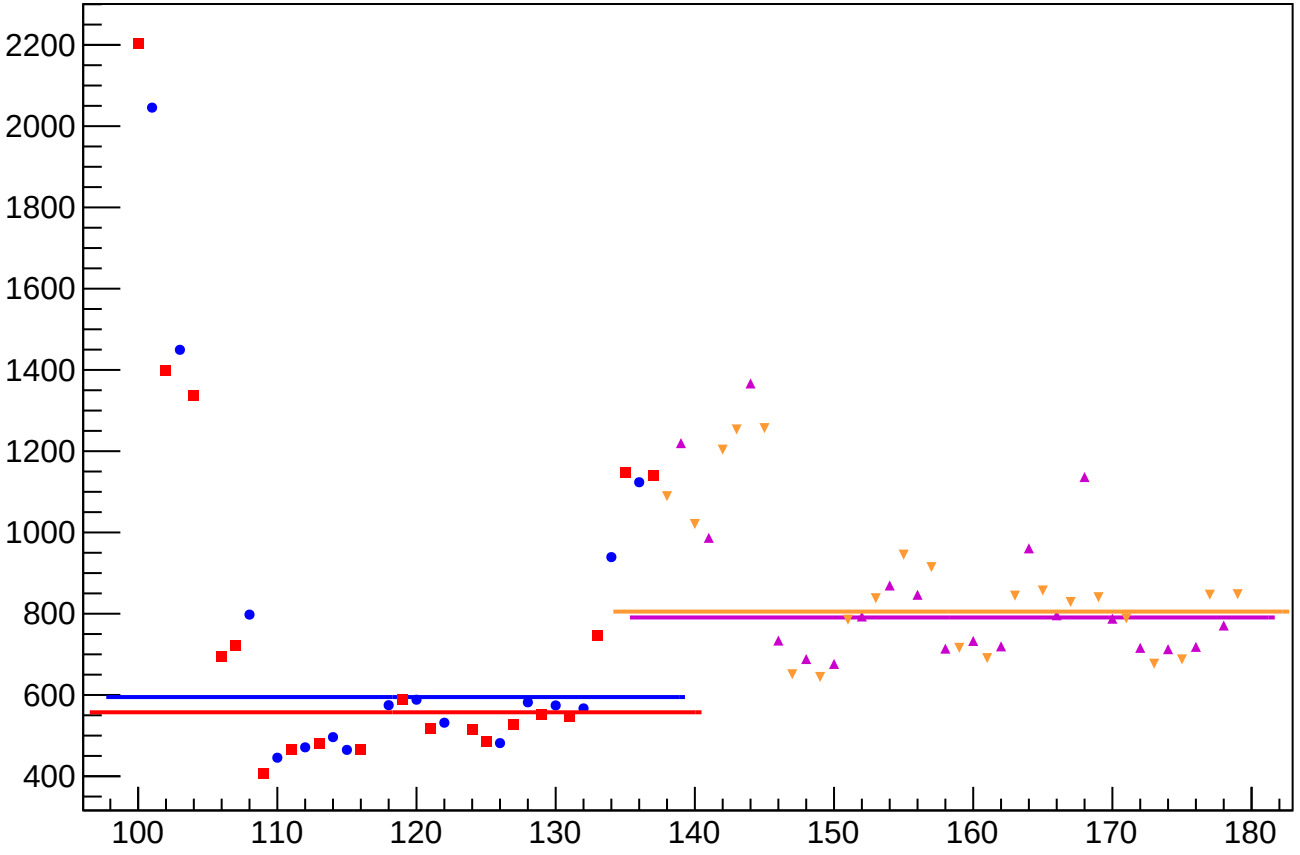
Left In: -248.531+/-199.228 χ^2/NDF:8.9/19

+ sign -418.592+/-151.519 χ^2/NDF: 83.8/37

All: -415.556+/-105.427 χ^2/NDF: 106.4/76

- sign -412.707+/-146.786 χ^2/NDF: 22.6/38

asym_atr1_eigen_dit_correction_rms vs Slug



Right In: 594.858+/-0.168 χ^2/NDF: 1852649.9/15

Left Out: 805.252+/-0.139 χ^2/NDF:1131835.5/21

Right Out: 557.397+/-0.154 χ^2/NDF: 1631307.0/18

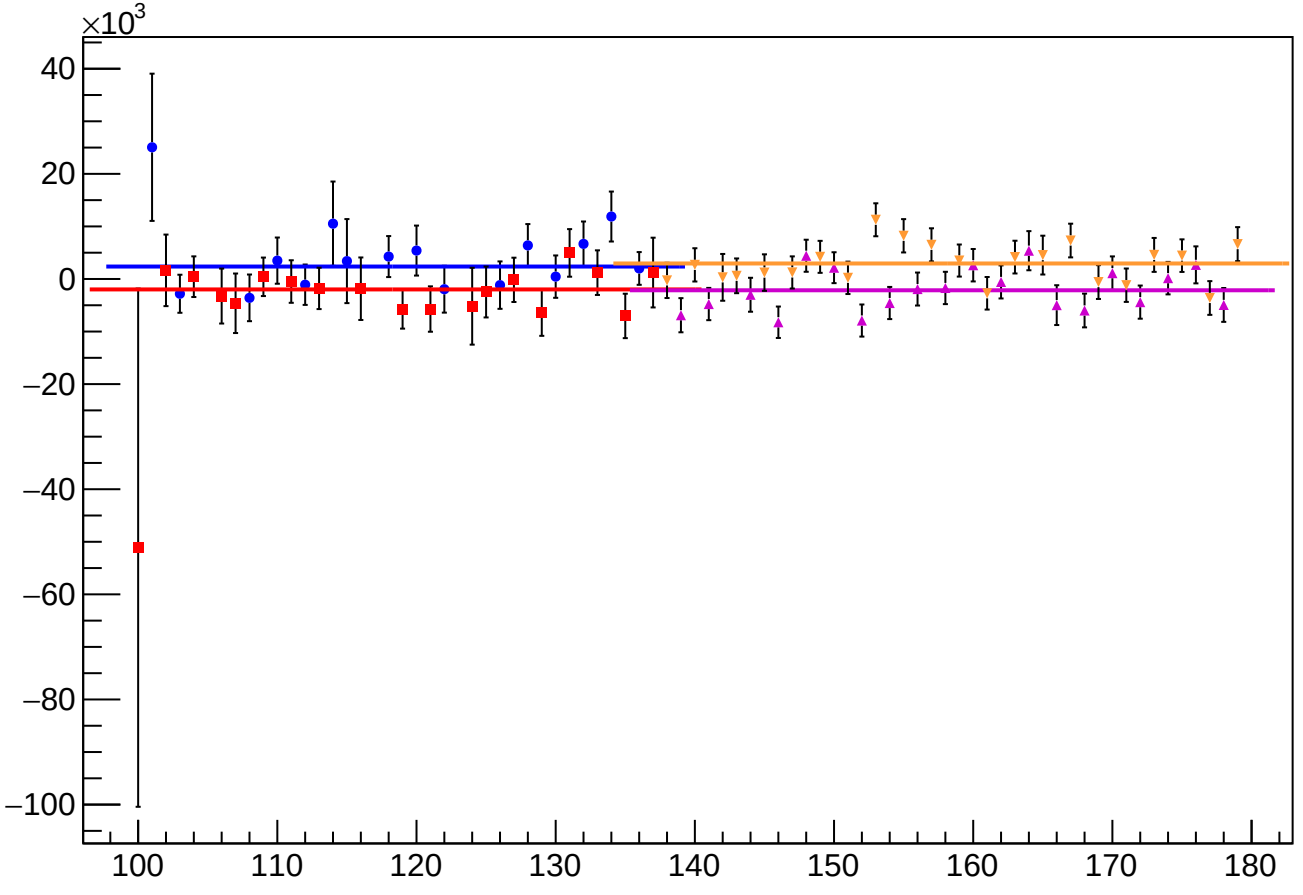
Left In: 790.767+/-0.141 χ^2/NDF:1009147.0/19

+ sign 719.587+/-0.107 χ^2/NDF: 3915310.6/37

All: 701.270+/-0.075 χ^2/NDF: 7866994.7/76

- sign 684.078+/-0.104 χ^2/NDF: 3895021.0/38

asym_atr1_mean vs Slug



Right In: 2367.173+/-1106.203 χ^2/NDF: 16.8/15

Left Out: 2949.109+/-688.429 χ^2/NDF:28.8/21

Right Out: -1987.039+/-1075.310 χ^2/NDF: 10.3/18

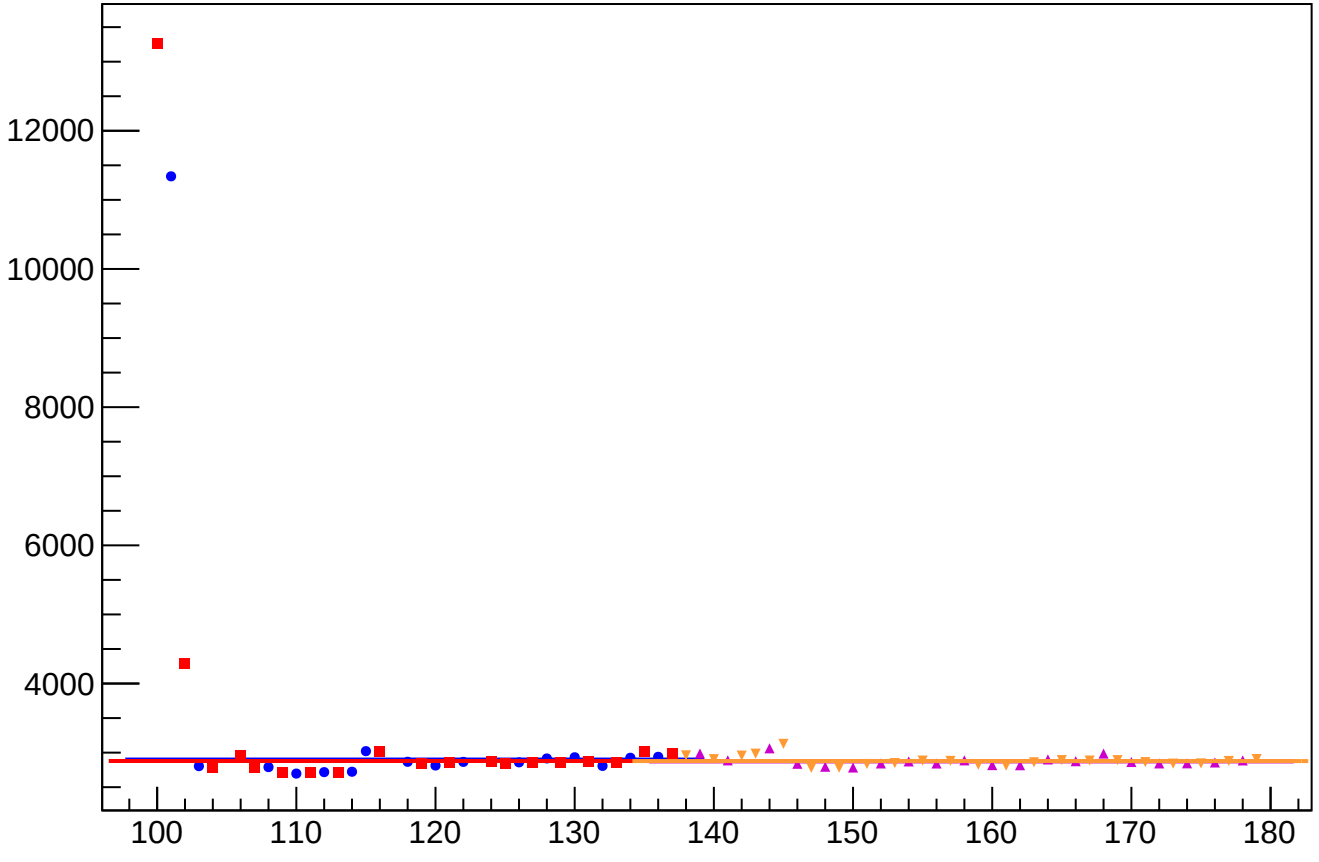
Left In: -2148.808+/-710.769 χ^2/NDF:31.5/19

+ sign 2786.647+/-584.486 χ^2/NDF: 45.9/37

All: 378.615+/-416.252 χ^2/NDF: 122.1/76

- sign -2099.620+/-592.944 χ^2/NDF: 41.8/38

asym_atr1_rms vs Slug



Right In: 2899.827+/-0.782 χ^2/NDF: 741818.2/15

Left Out: 2877.932+/-0.487 χ^2/NDF:21294.0/21

Right Out: 2878.957+/-0.760 χ^2/NDF: 193282.4/18

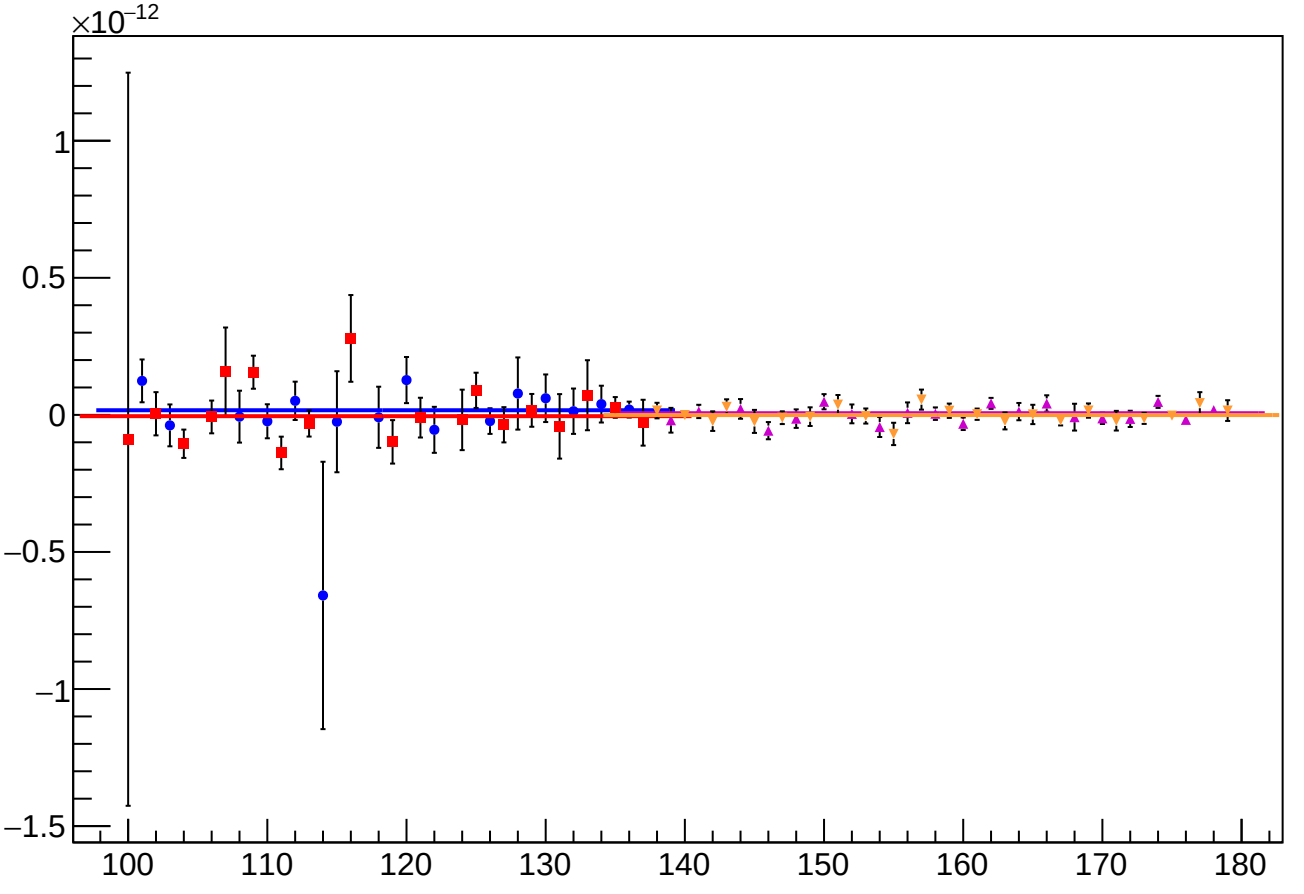
Left In: 2872.693+/-0.503 χ^2/NDF:17412.8/19

+ sign 2884.045+/-0.413 χ^2/NDF: 763676.9/37

All: 2879.389+/-0.294 χ^2/NDF: 974676.9/76

- sign 2874.597+/-0.419 χ^2/NDF: 210742.5/38

asym_atr1_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 8.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.1/21

Right Out: -0.000+/-0.000 χ^2/NDF: 25.7/18

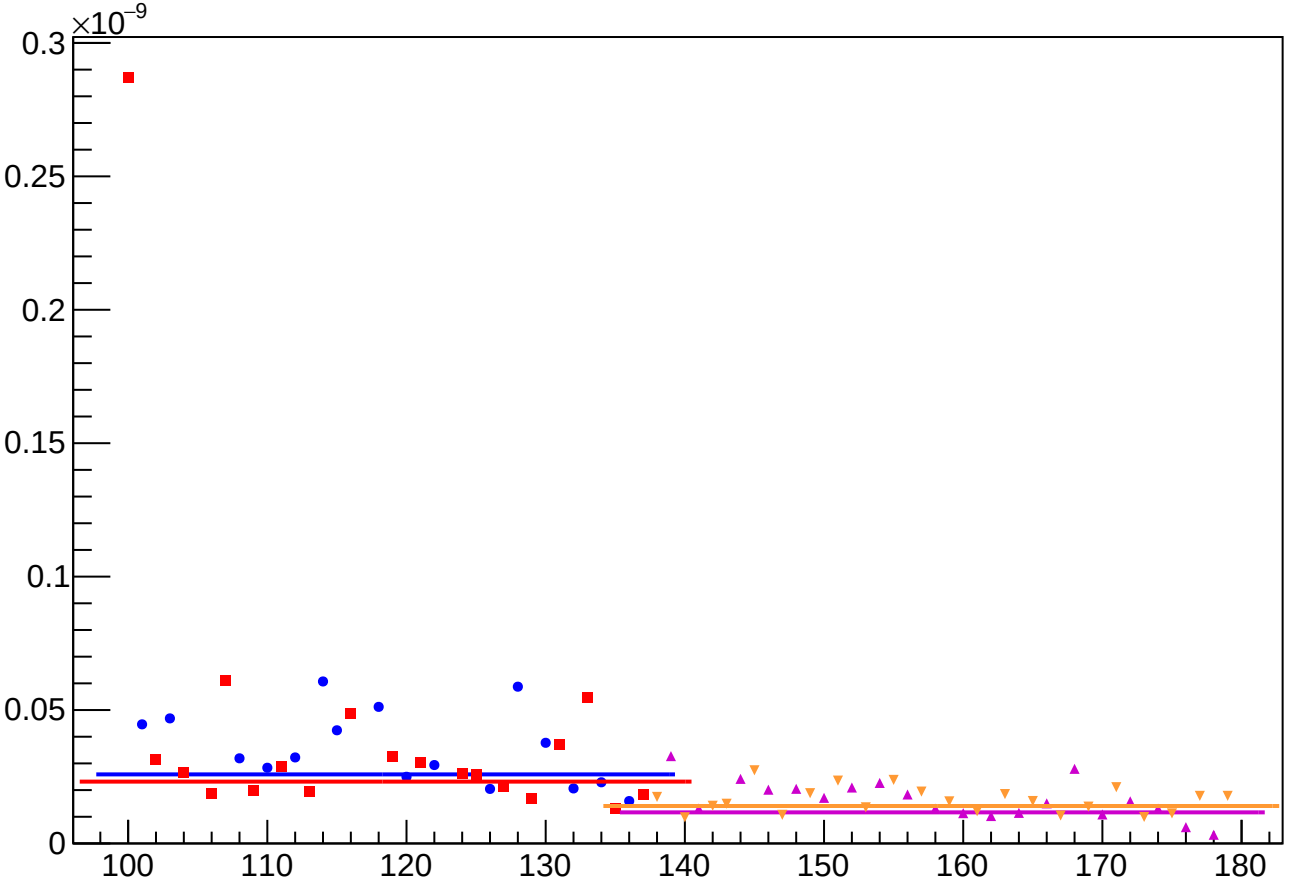
Left In: 0.000+/-0.000 χ^2/NDF:24.8/19

\+ sign 0.000+/-0.000 χ^2/NDF: 23.0/37

All: 0.000+/-0.000 χ^2/NDF: 74.2/76

\- sign 0.000+/-0.000 χ^2/NDF: 51.0/38

asym_atr1_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 865479.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1123001.6/21

Right Out: 0.000+/-0.000 χ^2/NDF: 688853.9/18

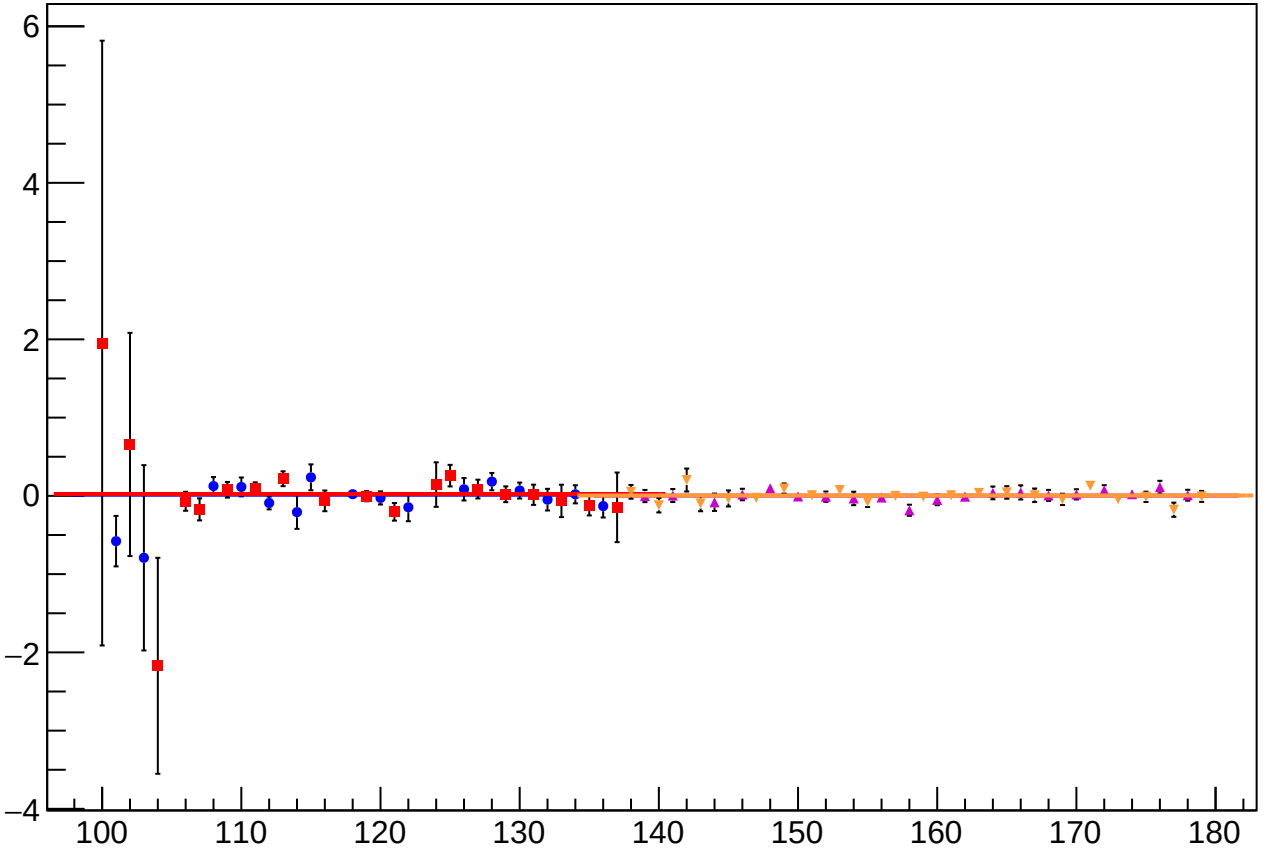
Left In: 0.000+/-0.000 χ^2/NDF:3006167.5/19

+ sign 0.000+/-0.000 χ^2/NDF: 2874581.2/37

All: 0.000+/-0.000 χ^2/NDF: 7734641.5/76

- sign 0.000+/-0.000 χ^2/NDF: 4658952.6/38

asym_atr1_dit_vs_cor_diff_mean vs Slug



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: 0.005+/-0.015 χ^2/NDF:20.4/21

Right Out: 0.024+/-0.028 χ^2/NDF: 20.8/18

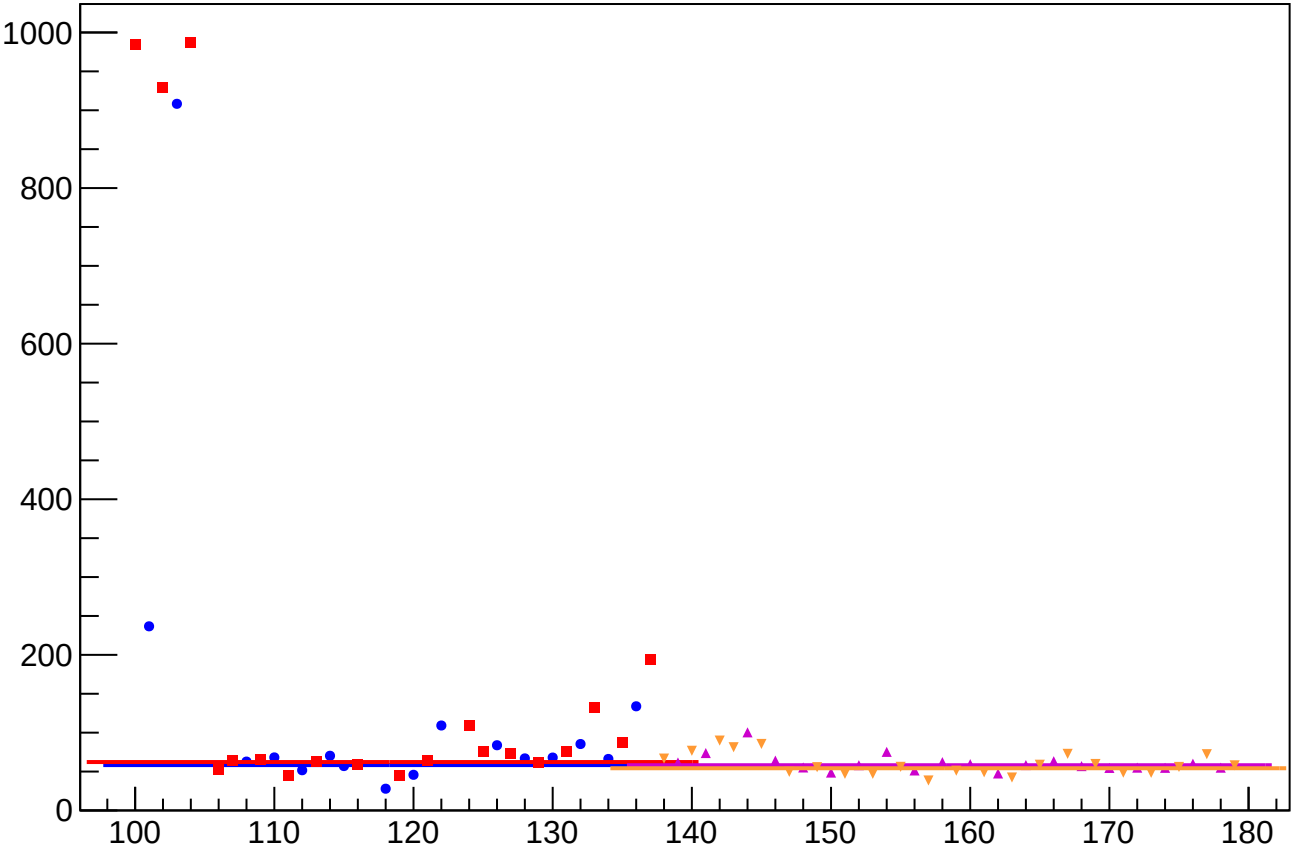
Left In: 0.003+/-0.016 χ^2/NDF:14.3/19

\+ sign 0.007+/-0.013 χ^2/NDF: 35.6/37

All: 0.008+/-0.009 χ^2/NDF: 71.1/76

\- sign 0.008+/-0.014 χ^2/NDF: 35.5/38

asym_atr1_dit_vs_cor_diff_rms vs Slug



Right In: 58.313+/-0.020 χ^2/NDF: 3260404.3/15

Left Out: 54.257+/-0.010 χ^2/NDF:1181097.5/21

Right Out: 62.235+/-0.020 χ^2/NDF: 2627030.1/18

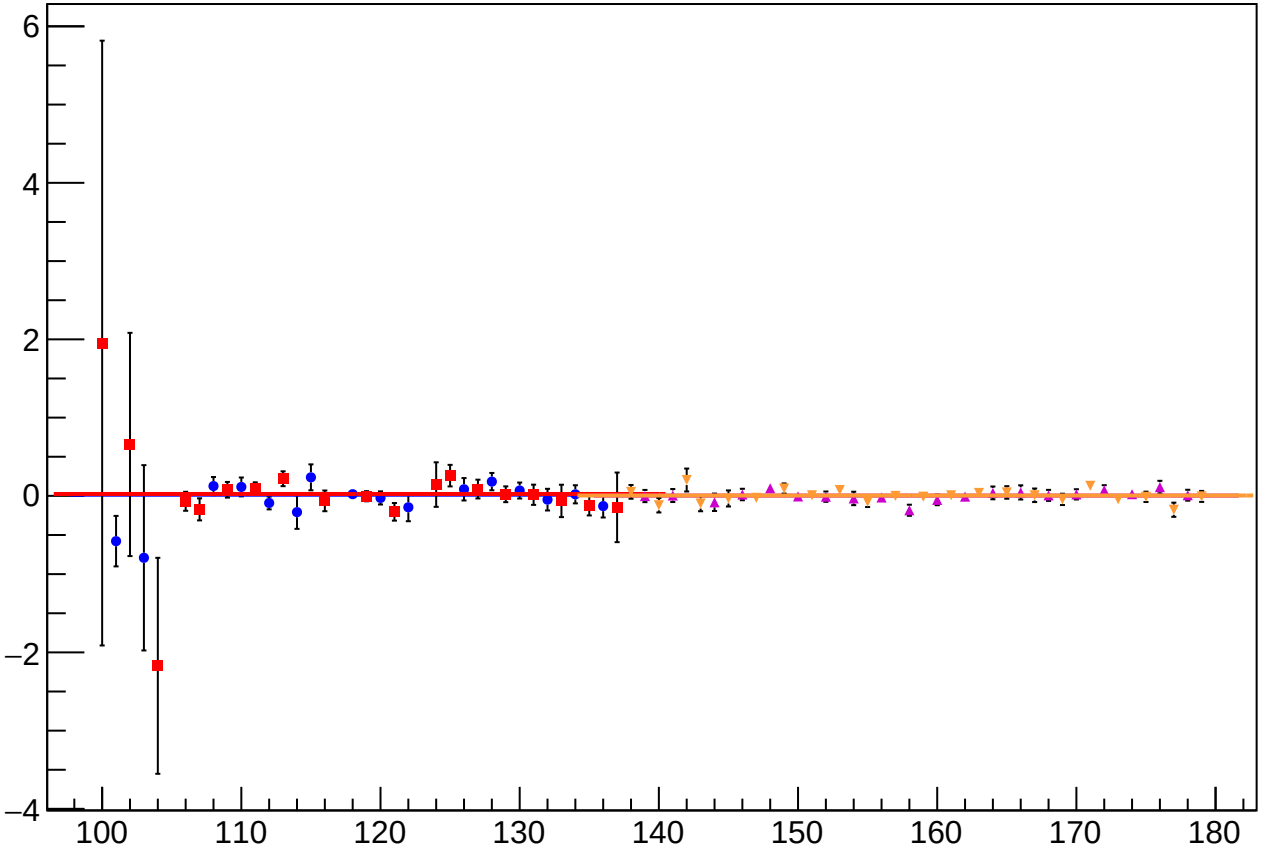
Left In: 58.129+/-0.011 χ^2/NDF:641899.9/19

+ sign 55.142+/-0.009 χ^2/NDF: 4474706.8/37

All: 57.019+/-0.007 χ^2/NDF: 7864521.9/76

- sign 59.115+/-0.010 χ^2/NDF: 3301552.5/38

asym_atr1_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: 0.005+/-0.015 χ^2/NDF:20.4/21

Right Out: 0.024+/-0.028 χ^2/NDF: 20.8/18

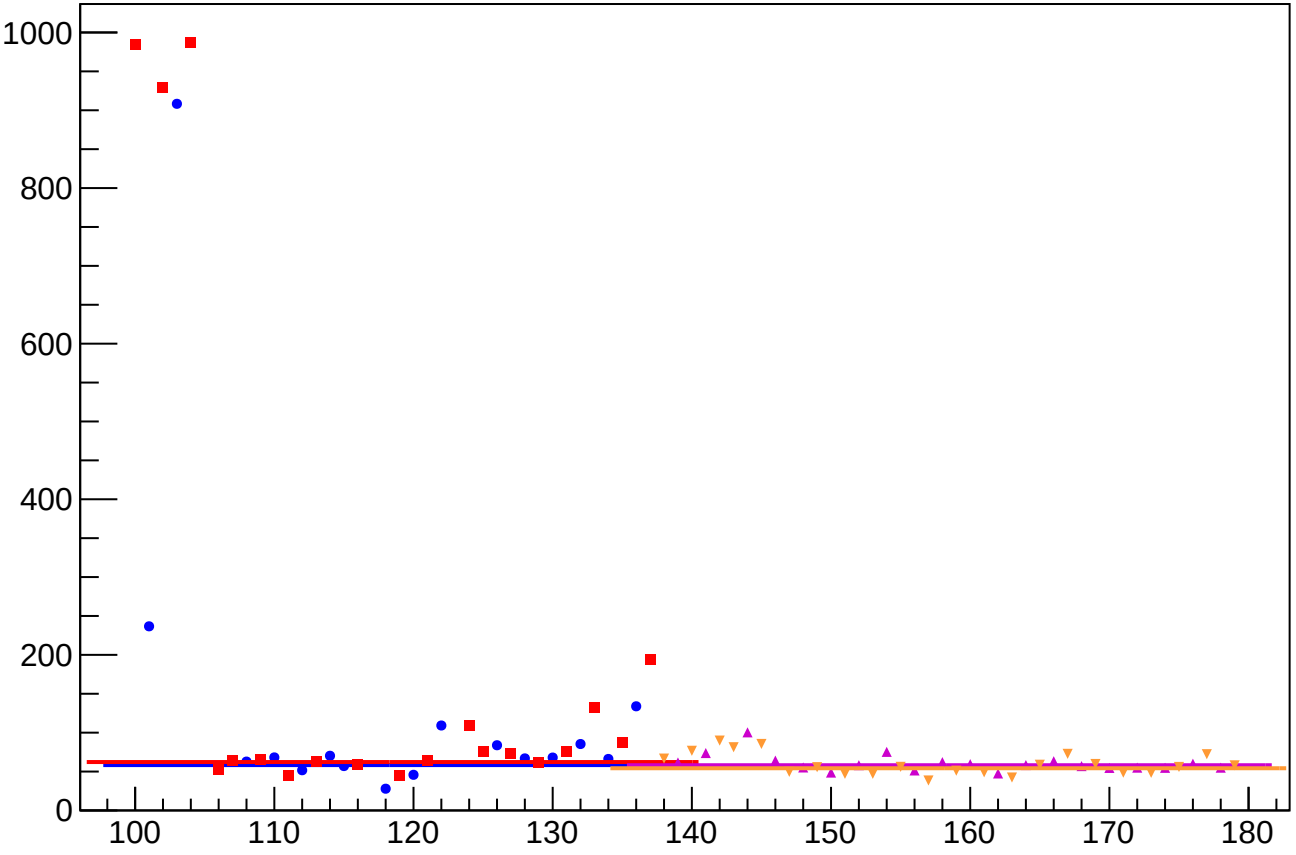
Left In: 0.003+/-0.016 χ^2/NDF:14.3/19

\+ sign 0.007+/-0.013 χ^2/NDF: 35.6/37

All: 0.008+/-0.009 χ^2/NDF: 71.1/76

\- sign 0.008+/-0.014 χ^2/NDF: 35.5/38

asym_atr1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 58.313+/-0.020 χ^2/NDF: 3260404.3/15

Left Out: 54.257+/-0.010 χ^2/NDF:1181097.5/21

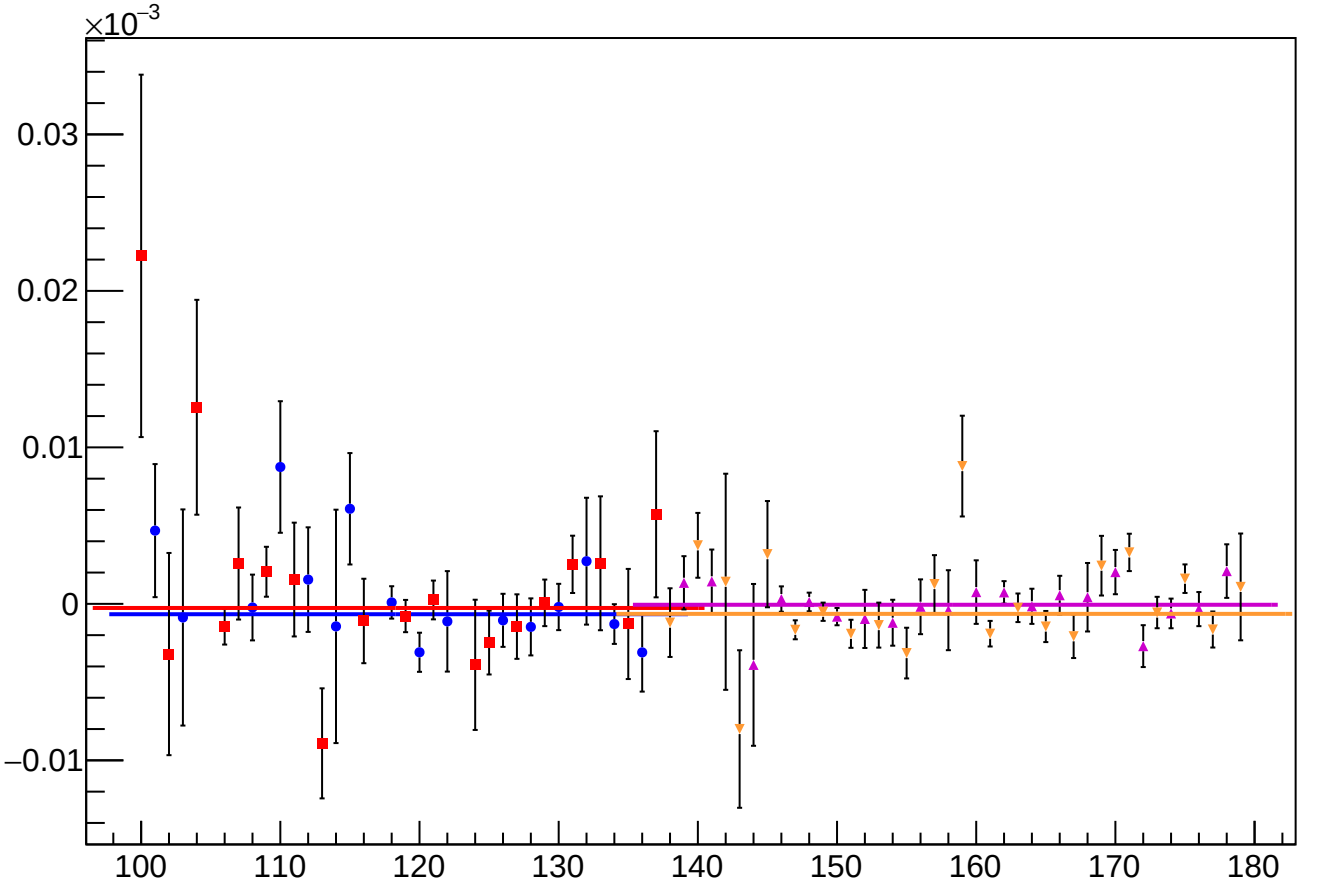
Right Out: 62.235+/-0.020 χ^2/NDF: 2627030.1/18

Left In: 58.129+/-0.011 χ^2/NDF:641899.9/19

+ sign 55.142+/-0.009 χ^2/NDF: 4474706.8/37

All: 57.019+/-0.007 χ^2/NDF: 7864521.9/76

- sign 59.115+/-0.010 χ^2/NDF: 3301552.5/38



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:50.1/21

Right Out: -0.000+/-0.000 χ^2/NDF: 24.6/18

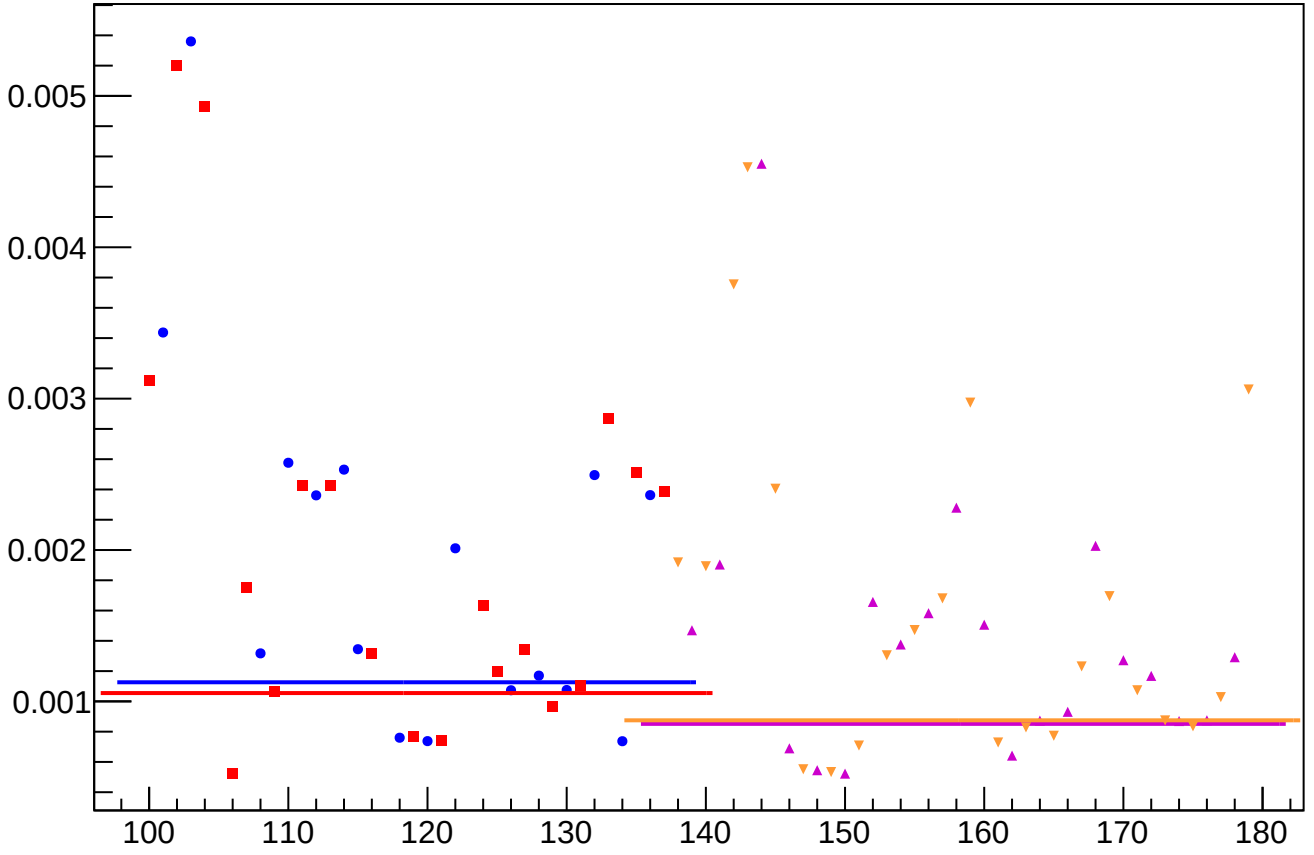
Left In: -0.000+/-0.000 χ^2/NDF:14.6/19

+ sign -0.000+/-0.000 χ^2/NDF: 67.3/37

All: -0.000+/-0.000 χ^2/NDF: 109.7/76

- sign -0.000+/-0.000 χ^2/NDF: 39.3/38

asym_atr1_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 3453081.7/15

Left Out: 0.001+/-0.000 χ^2/NDF:7252271.2/21

Right Out: 0.001+/-0.000 χ^2/NDF: 3848500.2/18

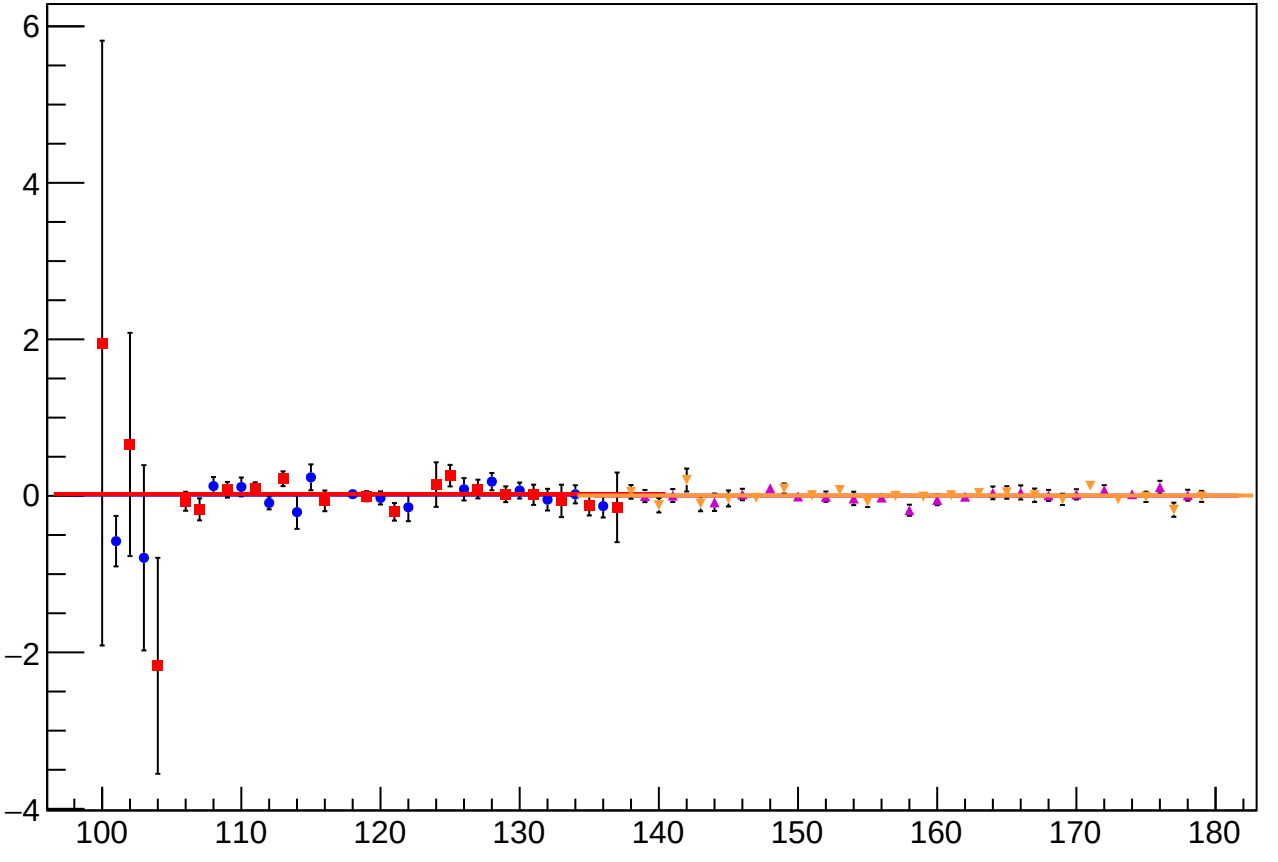
Left In: 0.001+/-0.000 χ^2/NDF:6134052.1/19

+ sign 0.001+/-0.000 χ^2/NDF: 11127736.1/37

All: 0.001+/-0.000 χ^2/NDF: 21427763.2/76

- sign 0.001+/-0.000 χ^2/NDF: 10282598.0/38

asym_atr1_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: 0.005+/-0.015 χ^2/NDF:20.4/21

Right Out: 0.024+/-0.028 χ^2/NDF: 20.8/18

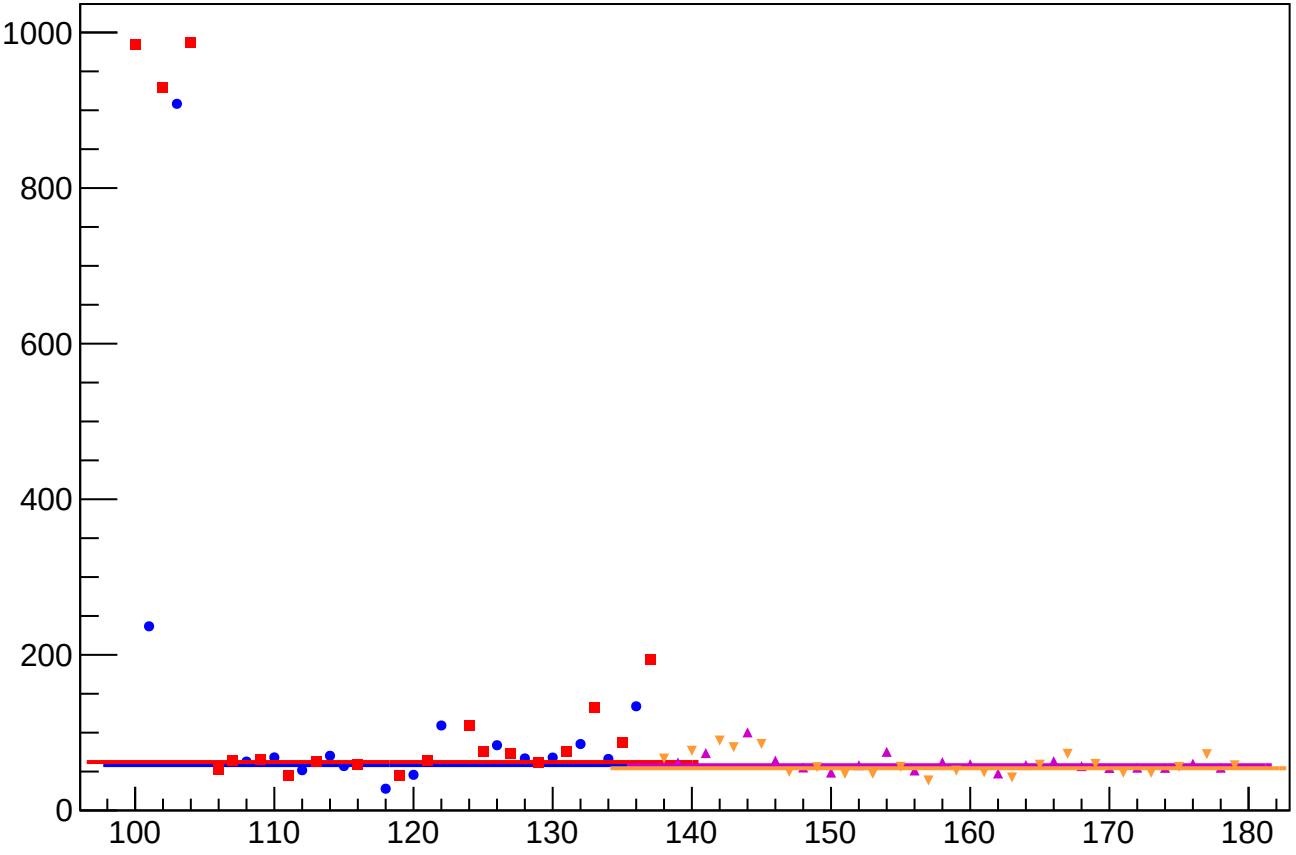
Left In: 0.003+/-0.016 χ^2/NDF:14.3/19

\+ sign 0.007+/-0.013 χ^2/NDF: 35.6/37

All: 0.008+/-0.009 χ^2/NDF: 71.1/76

\- sign 0.008+/-0.014 χ^2/NDF: 35.5/38

asym_atr1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 58.312+/-0.020 χ^2/NDF: 3260484.2/15

Left Out: 54.256+/-0.010 χ^2/NDF:1181168.1/21

Right Out: 62.235+/-0.020 χ^2/NDF: 2627022.3/18

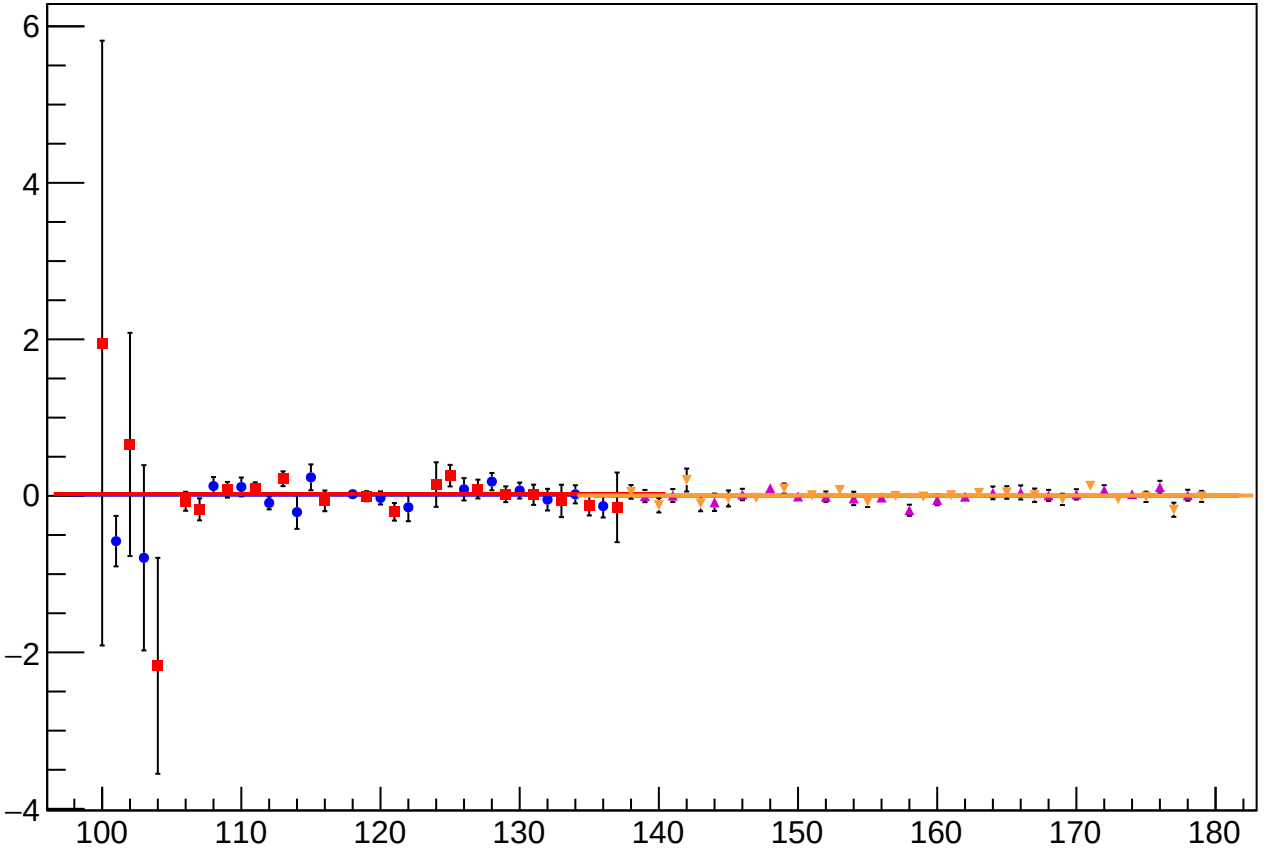
Left In: 58.129+/-0.011 χ^2/NDF:641923.4/19

+ sign 55.141+/-0.009 χ^2/NDF: 4474851.6/37

All: 57.019+/-0.007 χ^2/NDF: 7864702.9/76

- sign 59.115+/-0.010 χ^2/NDF: 3301565.0/38

asym_atr1_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: 0.005+/-0.015 χ^2/NDF:20.4/21

Right Out: 0.024+/-0.028 χ^2/NDF: 20.8/18

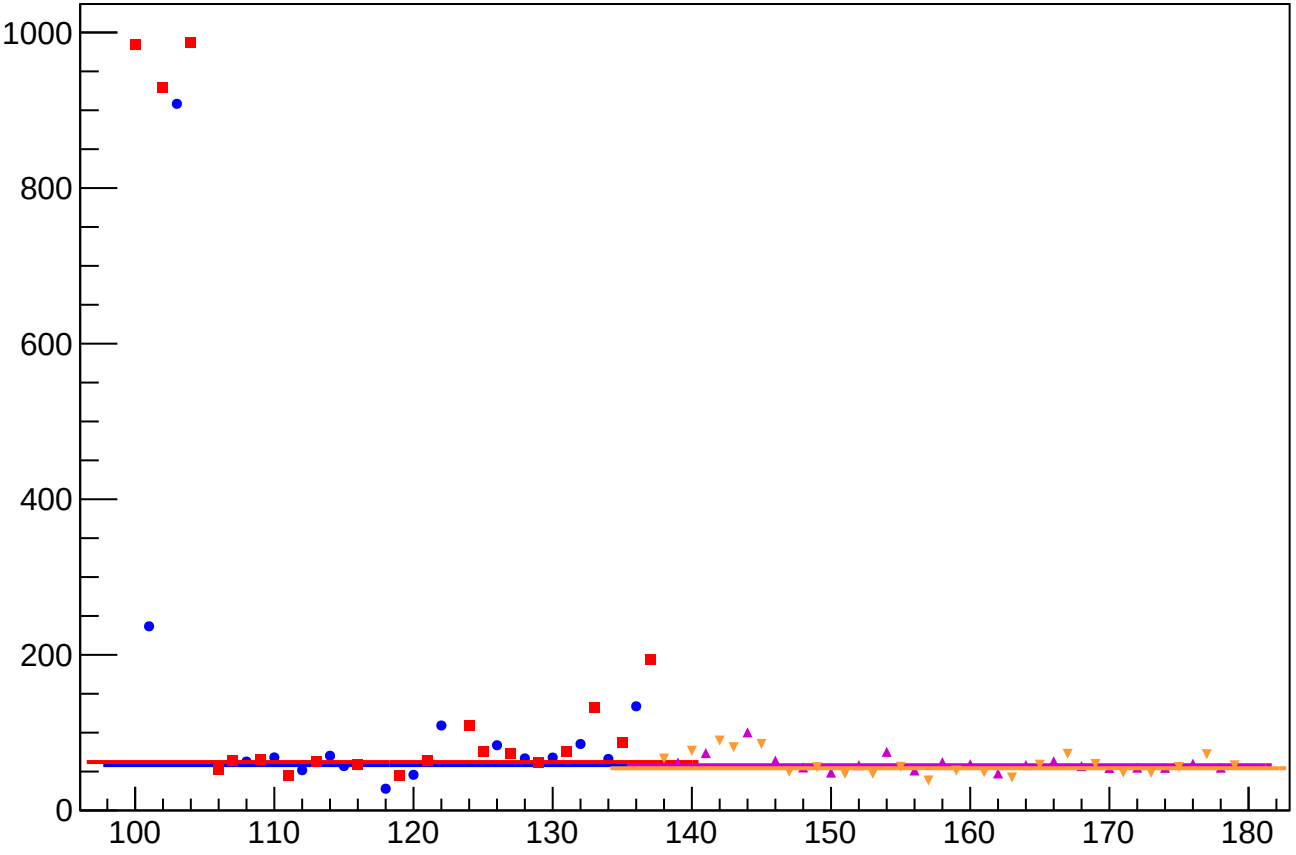
Left In: 0.003+/-0.016 χ^2/NDF:14.3/19

\+ sign 0.007+/-0.013 χ^2/NDF: 35.6/37

All: 0.008+/-0.009 χ^2/NDF: 71.1/76

\- sign 0.008+/-0.014 χ^2/NDF: 35.5/38

asym_atr1_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 58.312+/-0.020 χ^2/NDF: 3260484.2/15

Left Out: 54.256+/-0.010 χ^2/NDF:1181168.1/21

Right Out: 62.235+/-0.020 χ^2/NDF: 2627022.3/18

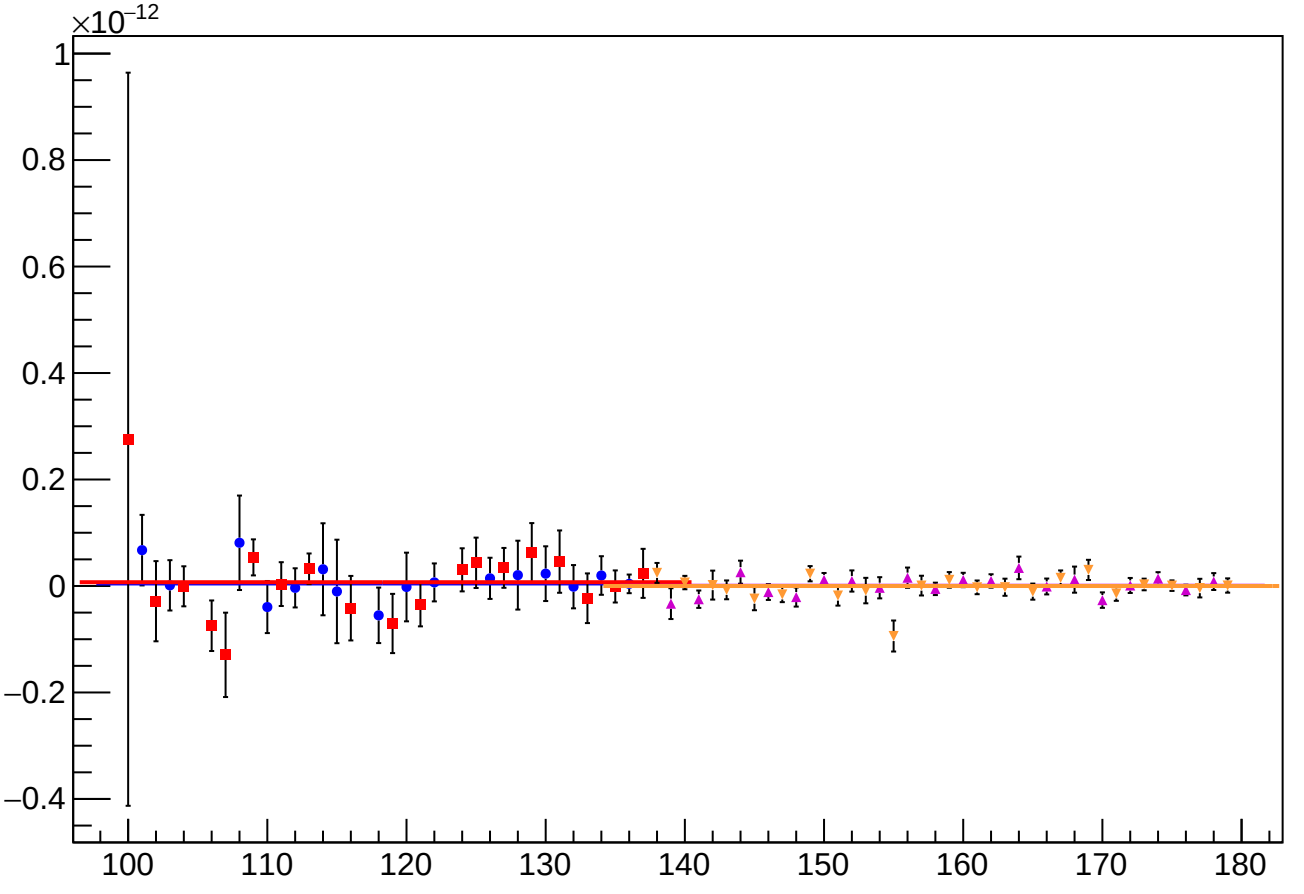
Left In: 58.129+/-0.011 χ^2/NDF:641923.4/19

+ sign 55.141+/-0.009 χ^2/NDF: 4474851.6/37

All: 57.019+/-0.007 χ^2/NDF: 7864702.9/76

- sign 59.115+/-0.010 χ^2/NDF: 3301565.0/38

asym_atr1_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 4.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:24.6/21

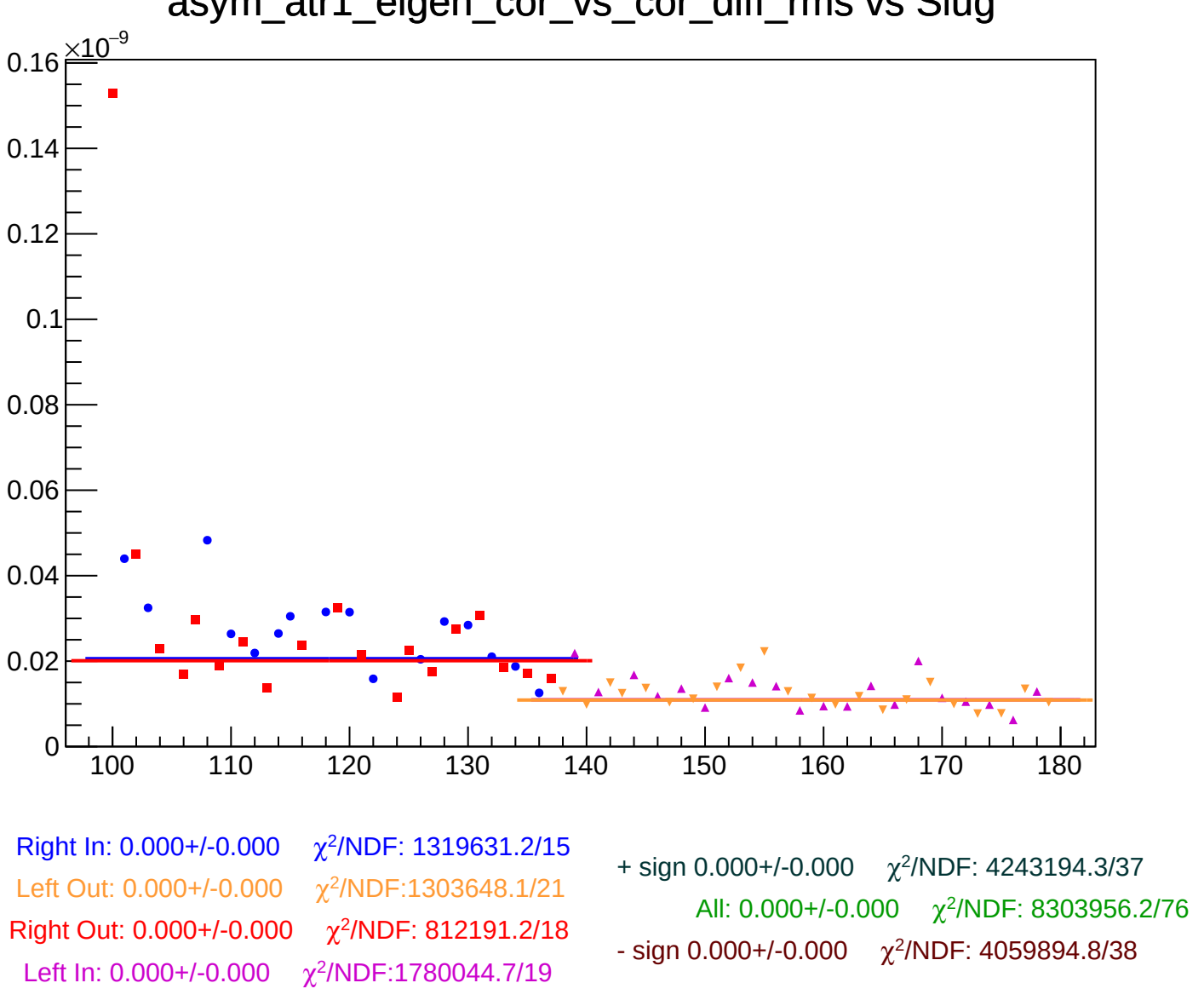
Right Out: 0.000+/-0.000 χ^2/NDF: 16.1/18

Left In: 0.000+/-0.000 χ^2/NDF:18.5/19

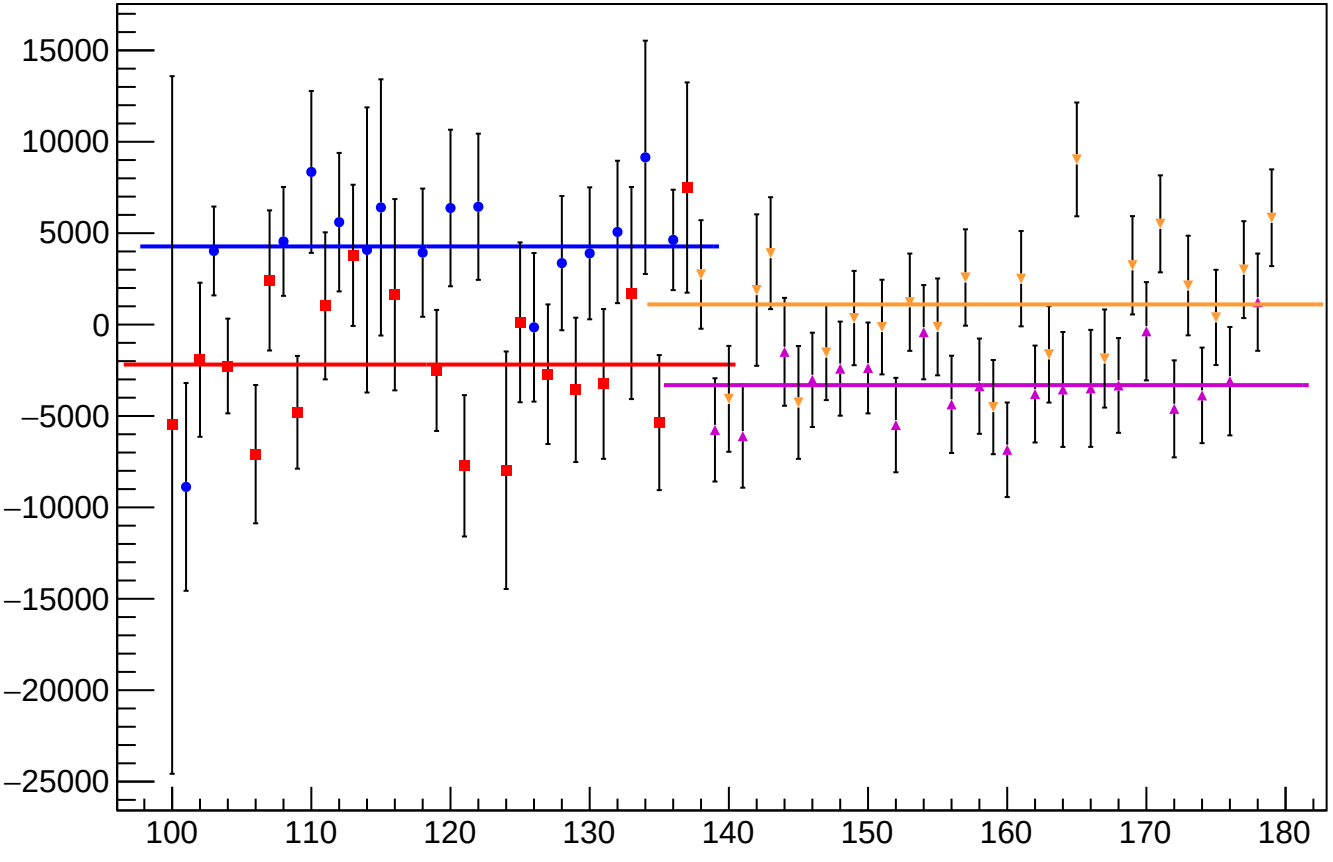
+ sign 0.000+/-0.000 χ^2/NDF: 29.2/37

All: 0.000+/-0.000 χ^2/NDF: 64.2/76

- sign 0.000+/-0.000 χ^2/NDF: 35.0/38


asym_atr1_eigen_cor_vs_cor_diff_rms vs Slug
×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
180
Right In: 0.000+/-0.000 χ²/NDF: 1319631.2/15
Left Out: 0.000+/-0.000 χ²/NDF:1303648.1/21
Right Out: 0.000+/-0.000 χ²/NDF: 812191.2/18
Left In: 0.000+/-0.000 χ²/NDF:1780044.7/19
+ sign 0.000+/-0.000 χ²/NDF: 4243194.3/37
All: 0.000+/-0.000 χ²/NDF: 8303956.2/76
- sign 0.000+/-0.000 χ²/NDF: 4059894.8/38

reg_asym_atr2_mean vs Slug



Right In: 4274.393+/-951.956 χ^2/NDF: 8.9/15

Left Out: 1103.624+/-586.309 χ^2/NDF:30.4/21

Right Out: -2186.264+/-922.104 χ^2/NDF: 14.8/18

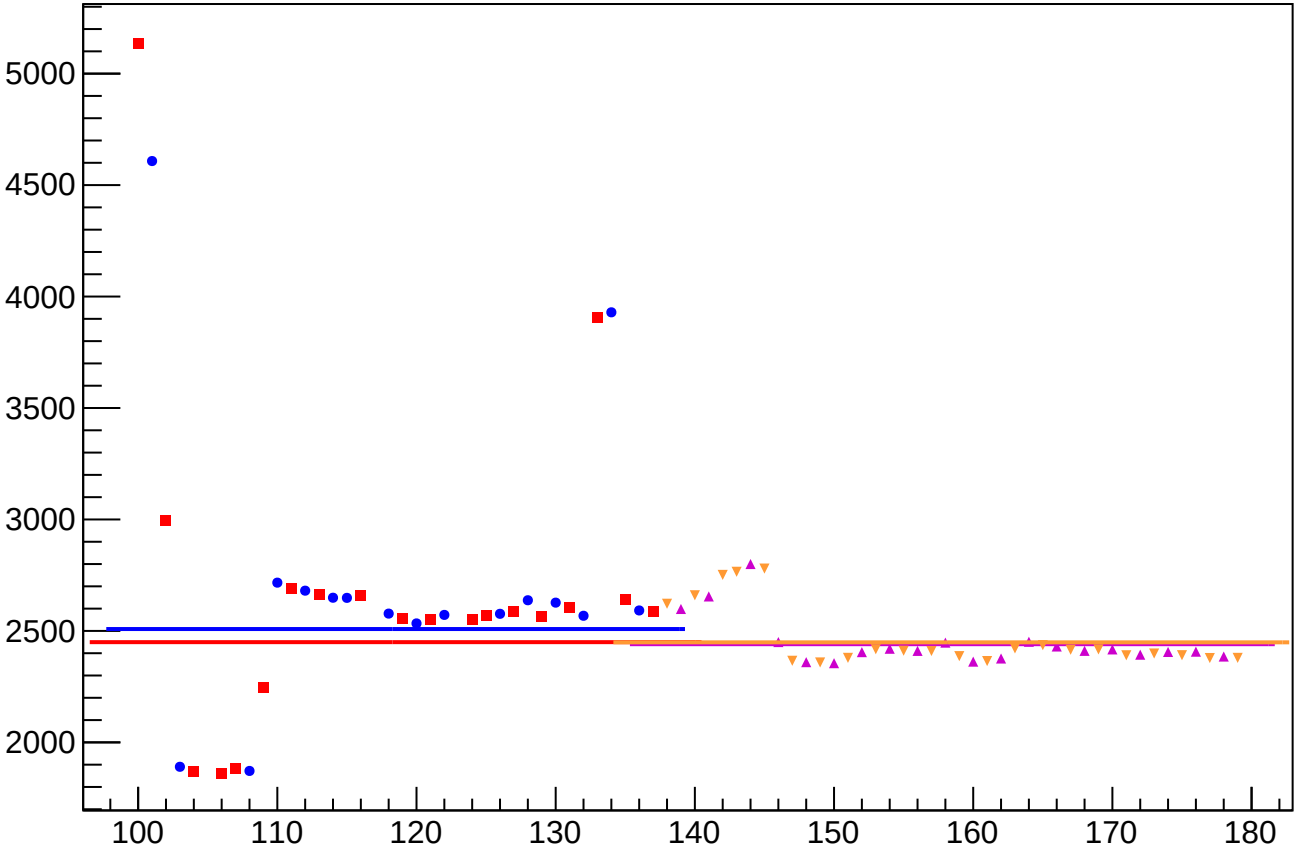
Left In: -3312.023+/-604.187 χ^2/NDF:10.8/19

+ sign 1975.622+/-499.220 χ^2/NDF: 47.3/37

All: -468.849+/-355.155 χ^2/NDF: 122.6/76

- sign -2973.881+/-505.367 χ^2/NDF: 26.7/38

reg_asym_atr2_rms vs Slug



Right In: 2508.466+/-0.673 χ^2/NDF: 611589.6/15

Left Out: 2448.780+/-0.415 χ^2/NDF:88955.5/21

Right Out: 2449.623+/-0.652 χ^2/NDF: 436901.0/18

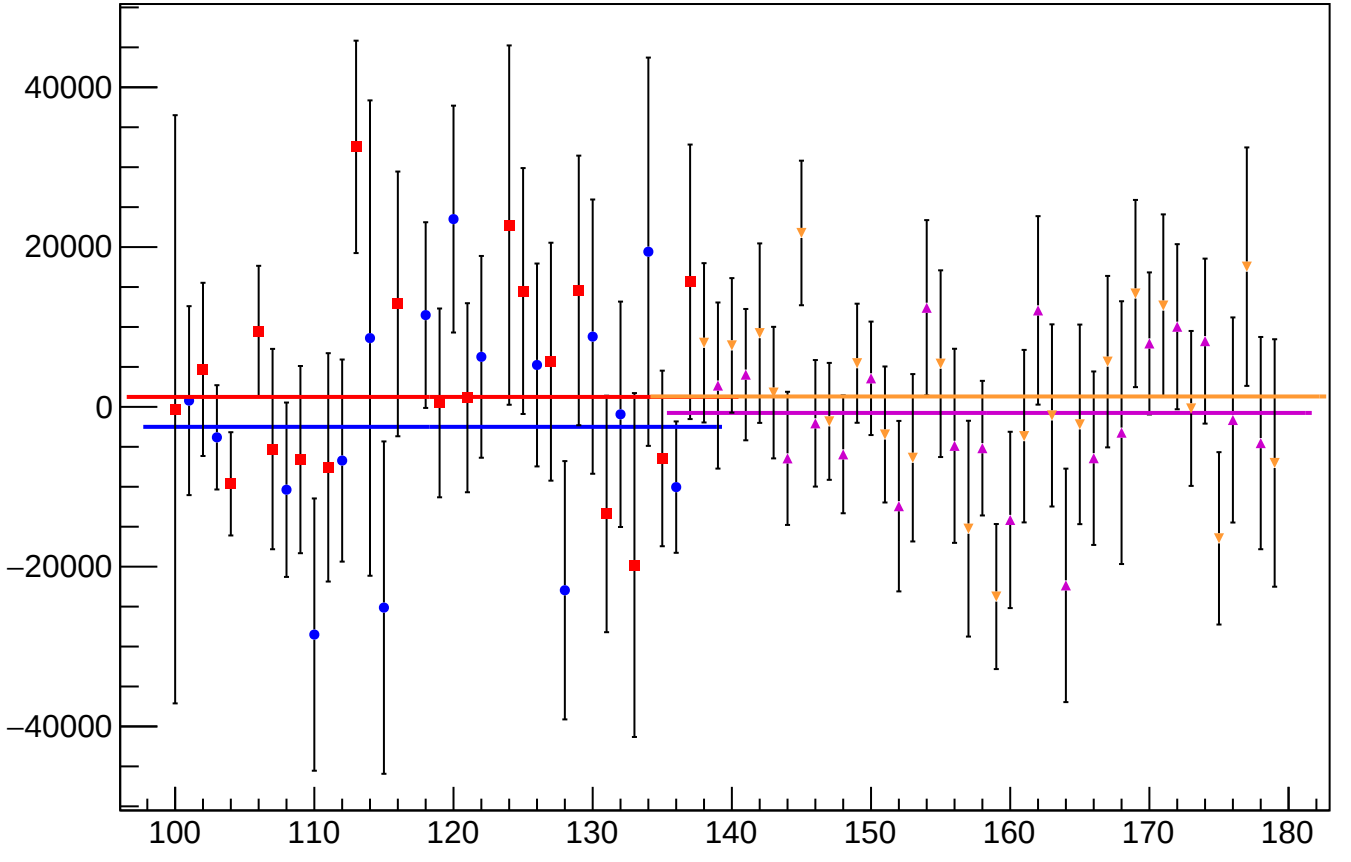
Left In: 2440.499+/-0.427 χ^2/NDF:58168.5/19

+ sign 2465.195+/-0.353 χ^2/NDF: 706245.2/37

All: 2454.351+/-0.251 χ^2/NDF: 1203362.2/76

- sign 2443.240+/-0.357 χ^2/NDF: 495206.5/38

asym_atr2_reg_correction_mean vs Slug



Right In: -2500.602+/-3075.580 χ^2/NDF: 13.8/15

Left Out: 1300.731+/-2142.741 χ^2/NDF:24.1/21

Right Out: 1244.352+/-2852.739 χ^2/NDF: 16.6/18

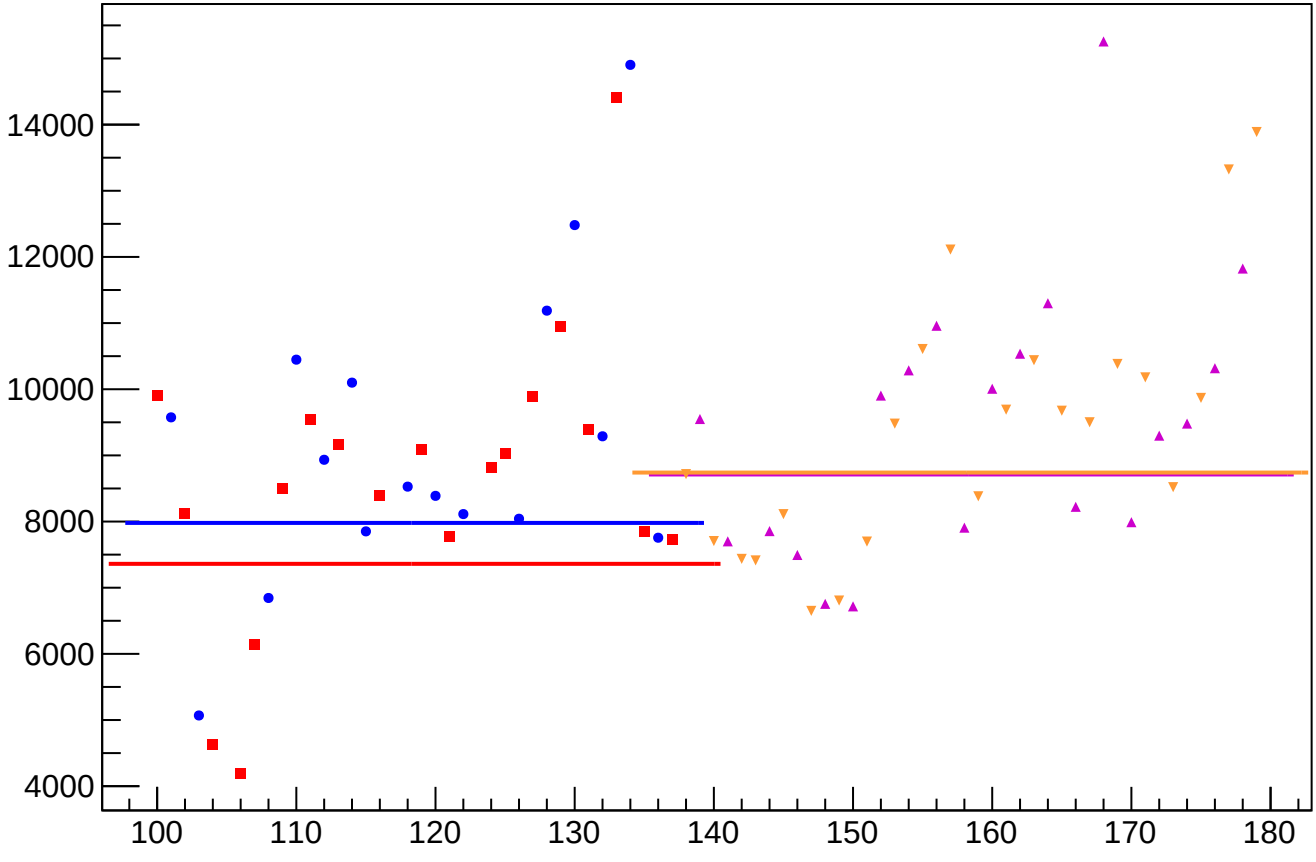
Left In: -758.061+/-2203.436 χ^2/NDF:12.9/19

+ sign 58.556+/-1758.128 χ^2/NDF: 38.9/37

All: 24.085+/-1238.097 χ^2/NDF: 68.7/76

- sign -9.829+/-1743.828 χ^2/NDF: 29.8/38

asym_atr2_reg_correction_rms vs Slug



Right In: 7979.488+/-2.175 χ^2/NDF: 923083.9/15

Left Out: 8740.619+/-1.515 χ^2/NDF:1220268.9/21

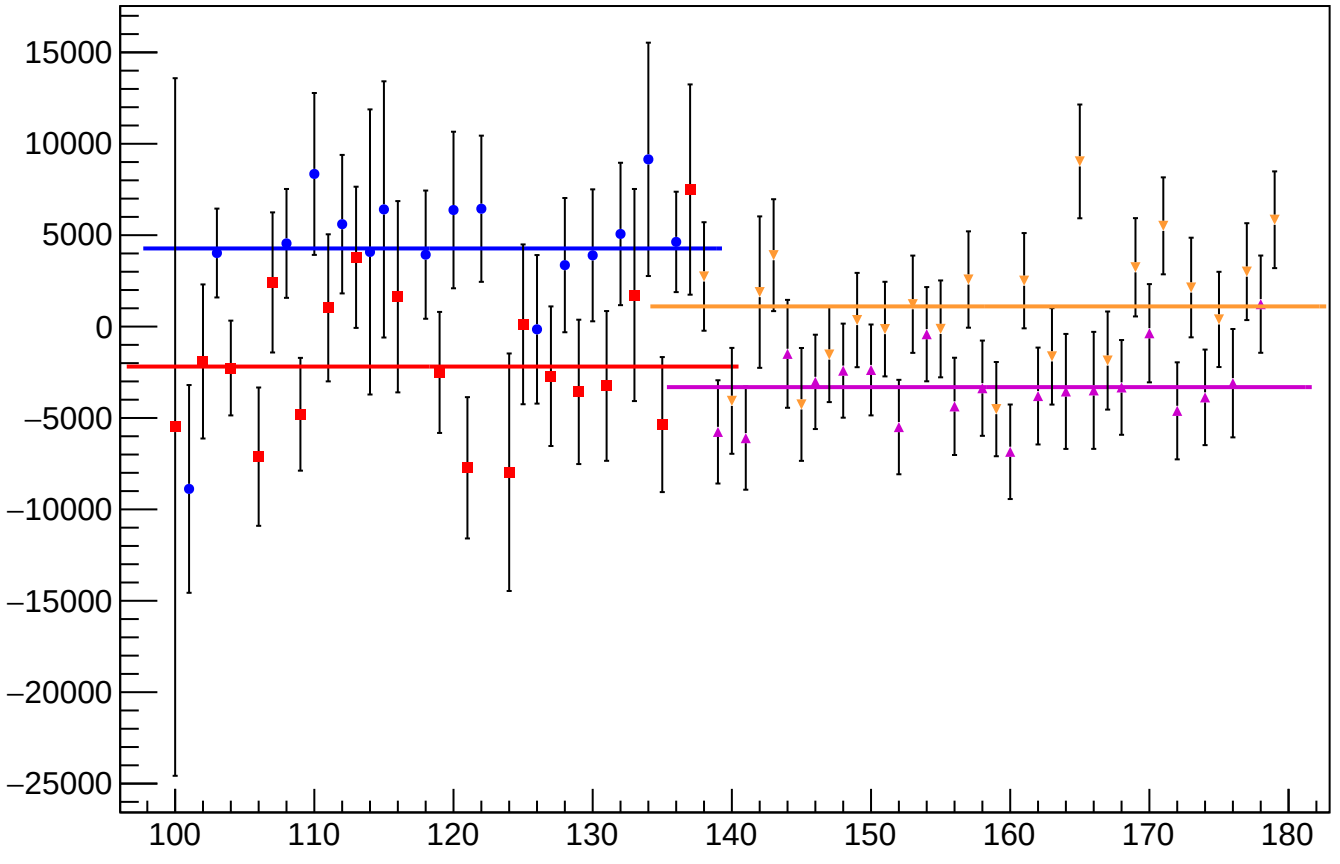
Right Out: 7360.741+/-2.017 χ^2/NDF: 1286008.5/18

Left In: 8711.629+/-1.558 χ^2/NDF:1193612.4/19

+ sign 8491.902+/-1.243 χ^2/NDF: 2225815.3/37

All: 8348.211+/-0.875 χ^2/NDF: 5012837.8/76

- sign 8206.849+/-1.233 χ^2/NDF: 2760520.3/38



Right In: 4273.903+/-951.956 χ^2/NDF: 8.9/15

Left Out: 1103.489+/-586.309 χ^2/NDF:30.4/21

Right Out: -2186.887+/-922.111 χ^2/NDF: 14.8/18

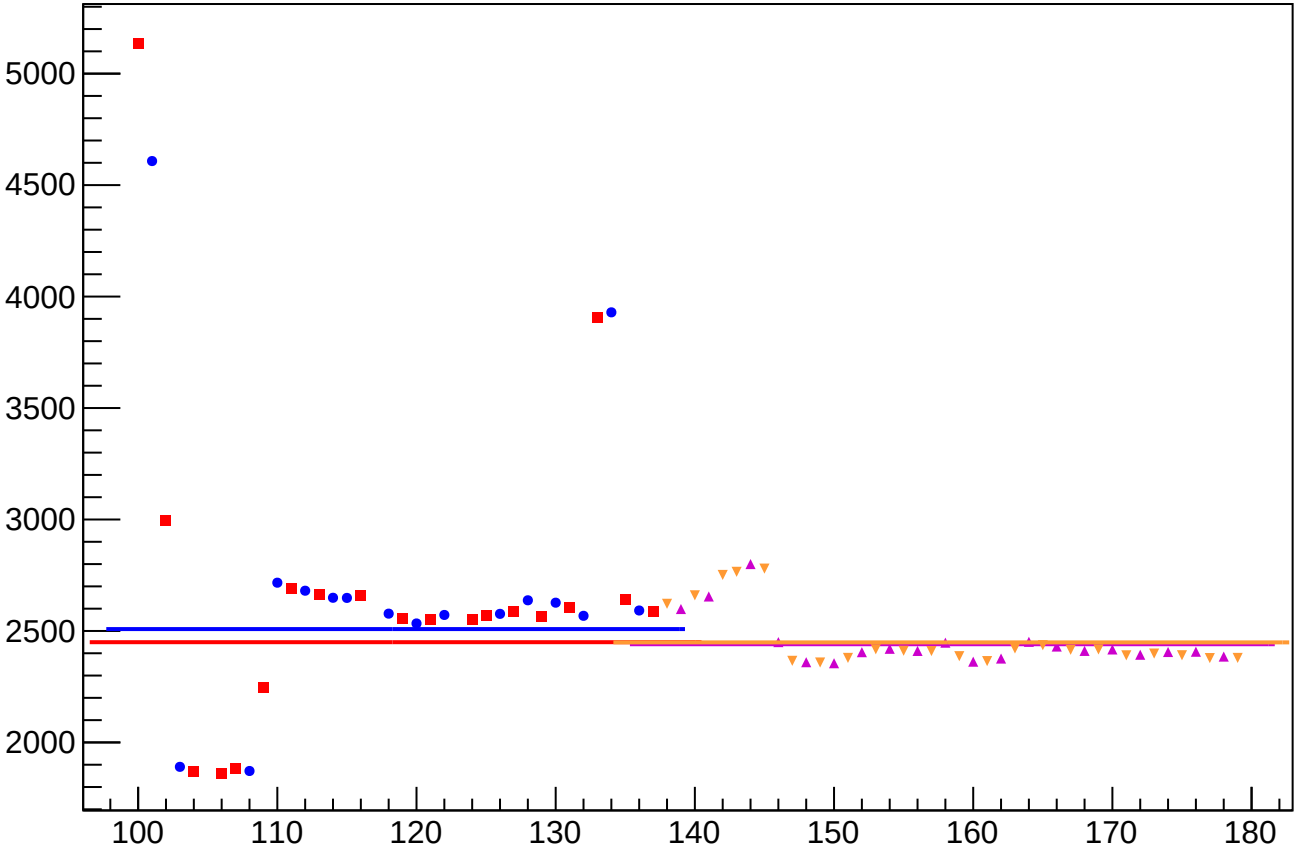
Left In: -3311.863+/-604.187 χ^2/NDF:10.8/19

+ sign 1975.389+/-499.220 χ^2/NDF: 47.3/37

All: -469.000+/-355.156 χ^2/NDF: 122.6/76

- sign -2973.960+/-505.368 χ^2/NDF: 26.7/38

cor_asym_atr2_rms vs Slug



Right In: 2508.467+/-0.673 χ^2/NDF: 611587.4/15

Left Out: 2448.780+/-0.415 χ^2/NDF:88955.5/21

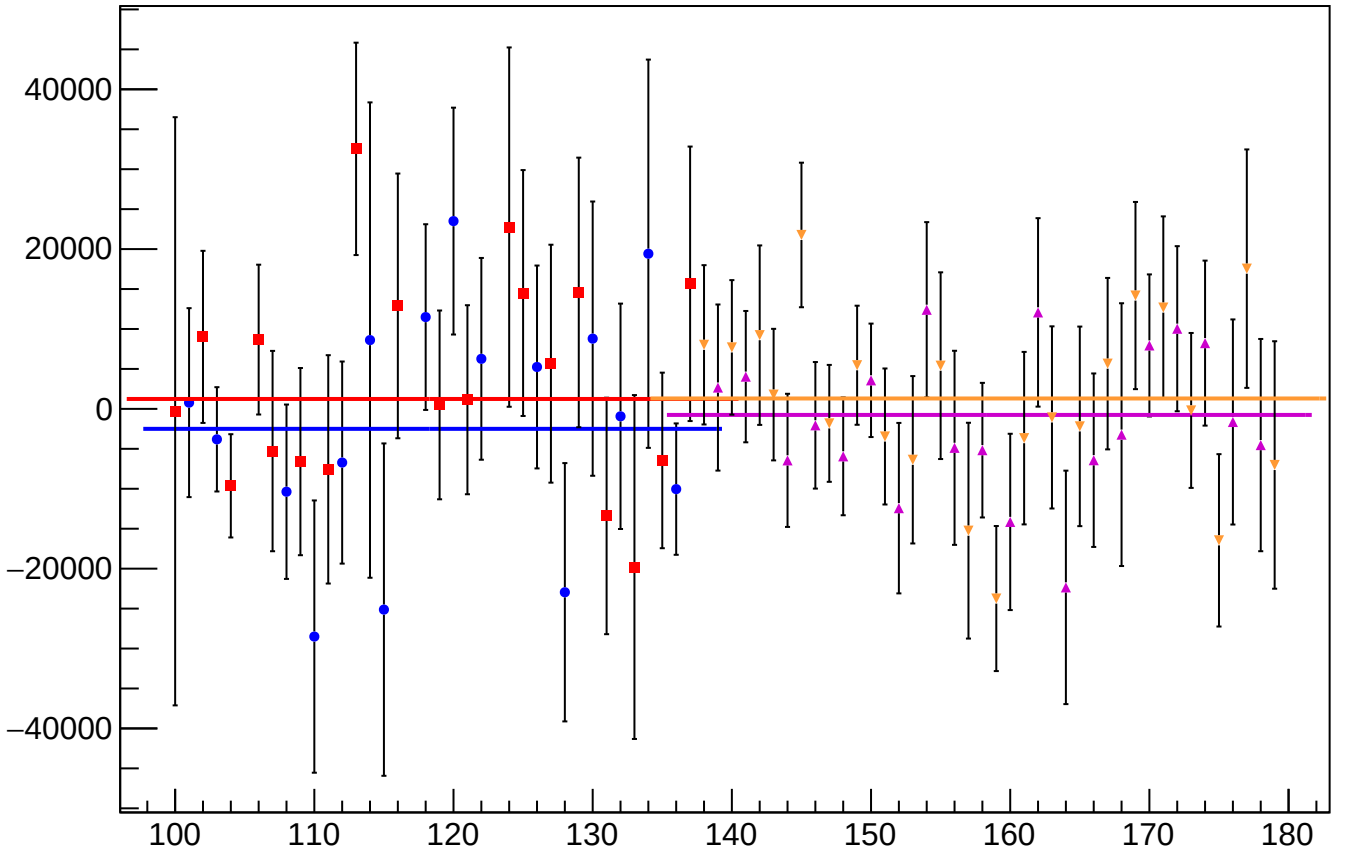
Right Out: 2449.647+/-0.652 χ^2/NDF: 436846.6/18

Left In: 2440.499+/-0.427 χ^2/NDF:58168.5/19

+ sign 2465.195+/-0.353 χ^2/NDF: 706243.2/37

All: 2454.355+/-0.251 χ^2/NDF: 1203305.3/76

- sign 2443.247+/-0.357 χ^2/NDF: 495152.8/38



Right In: -2500.380+/-3075.668 χ^2/NDF: 13.8/15

Left Out: 1300.737+/-2142.738 χ^2/NDF:24.1/21

Right Out: 1239.896+/-2893.464 χ^2/NDF: 16.6/18

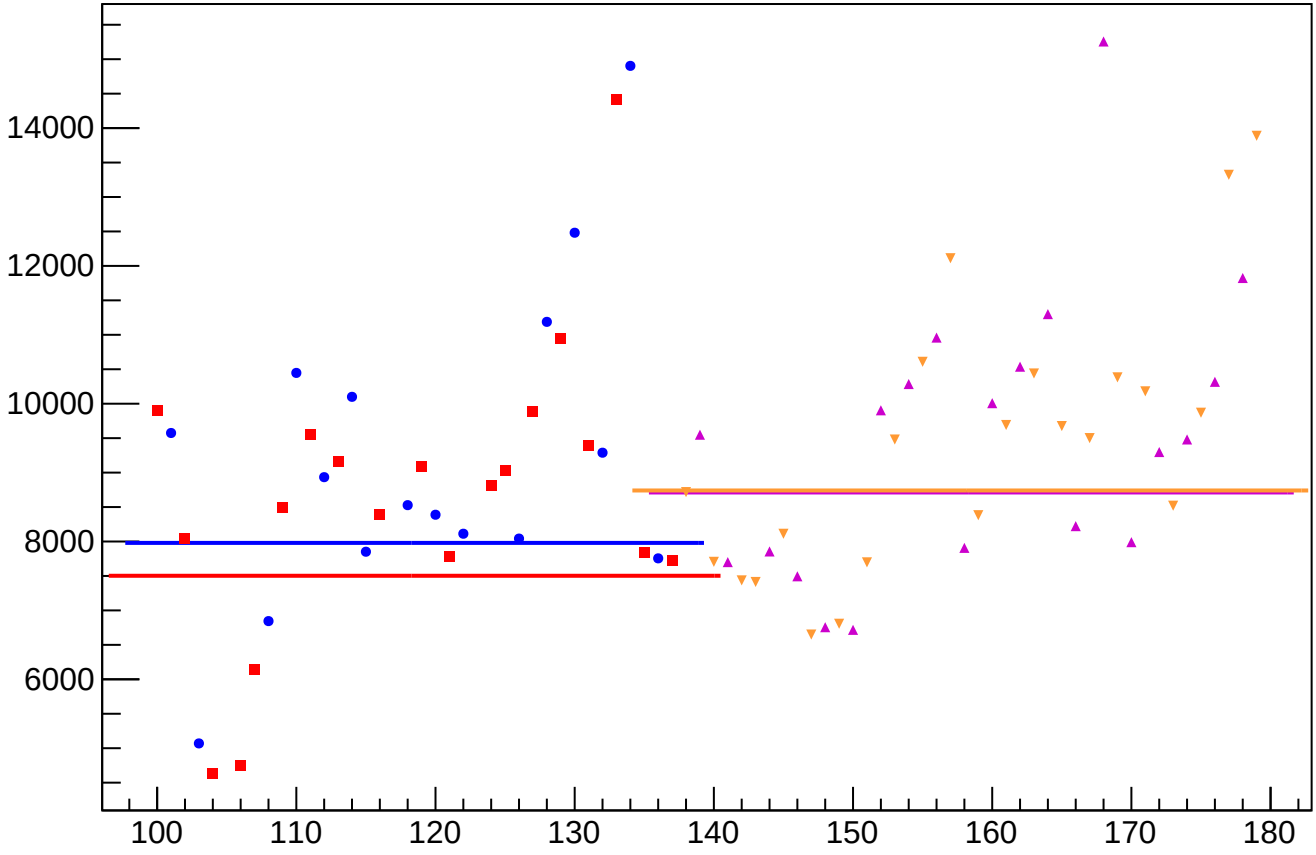
Left In: -758.068+/-2203.435 χ^2/NDF:12.9/19

+ sign 58.684+/-1758.142 χ^2/NDF: 38.9/37

All: 16.867+/-1241.374 χ^2/NDF: 68.7/76

- sign -24.706+/-1753.006 χ^2/NDF: 29.8/38

asym_atr2_cor_correction_rms vs Slug



Right In: 7979.812+/-2.175 χ^2/NDF: 922785.4/15

Left Out: 8740.605+/-1.515 χ^2/NDF:1220279.2/21

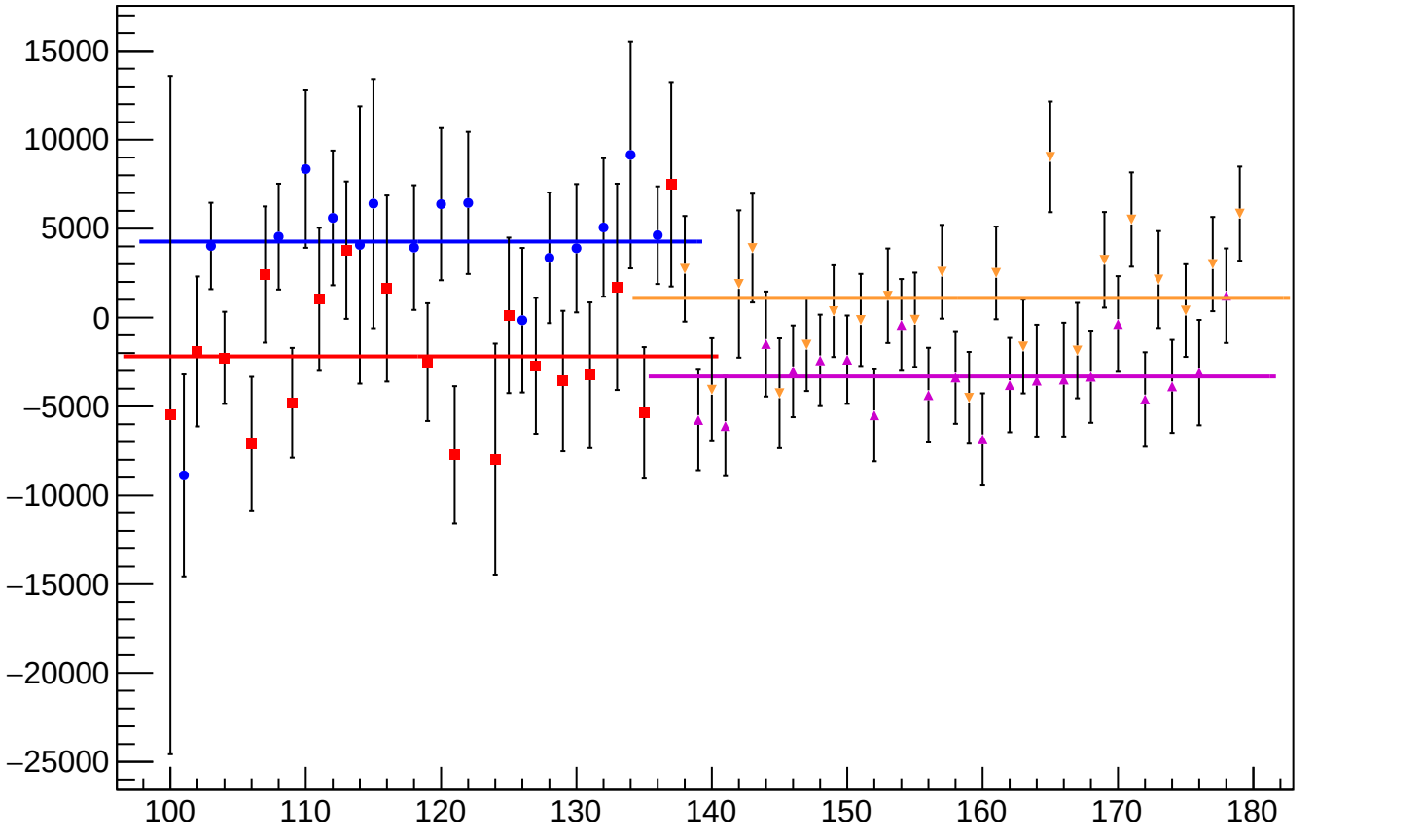
Right Out: 7502.685+/-2.046 χ^2/NDF: 1135523.5/18

Left In: 8711.626+/-1.558 χ^2/NDF:1193616.0/19

+ sign 8492.008+/-1.243 χ^2/NDF: 2225450.8/37

All: 8379.616+/-0.878 χ^2/NDF: 4791878.0/76

- sign 8267.879+/-1.240 χ^2/NDF: 2550128.2/38



Right In: 4273.903+/-951.956 χ^2/NDF: 8.9/15

Left Out: 1103.489+/-586.309 χ^2/NDF:30.4/21

Right Out: -2186.887+/-922.111 χ^2/NDF: 14.8/18

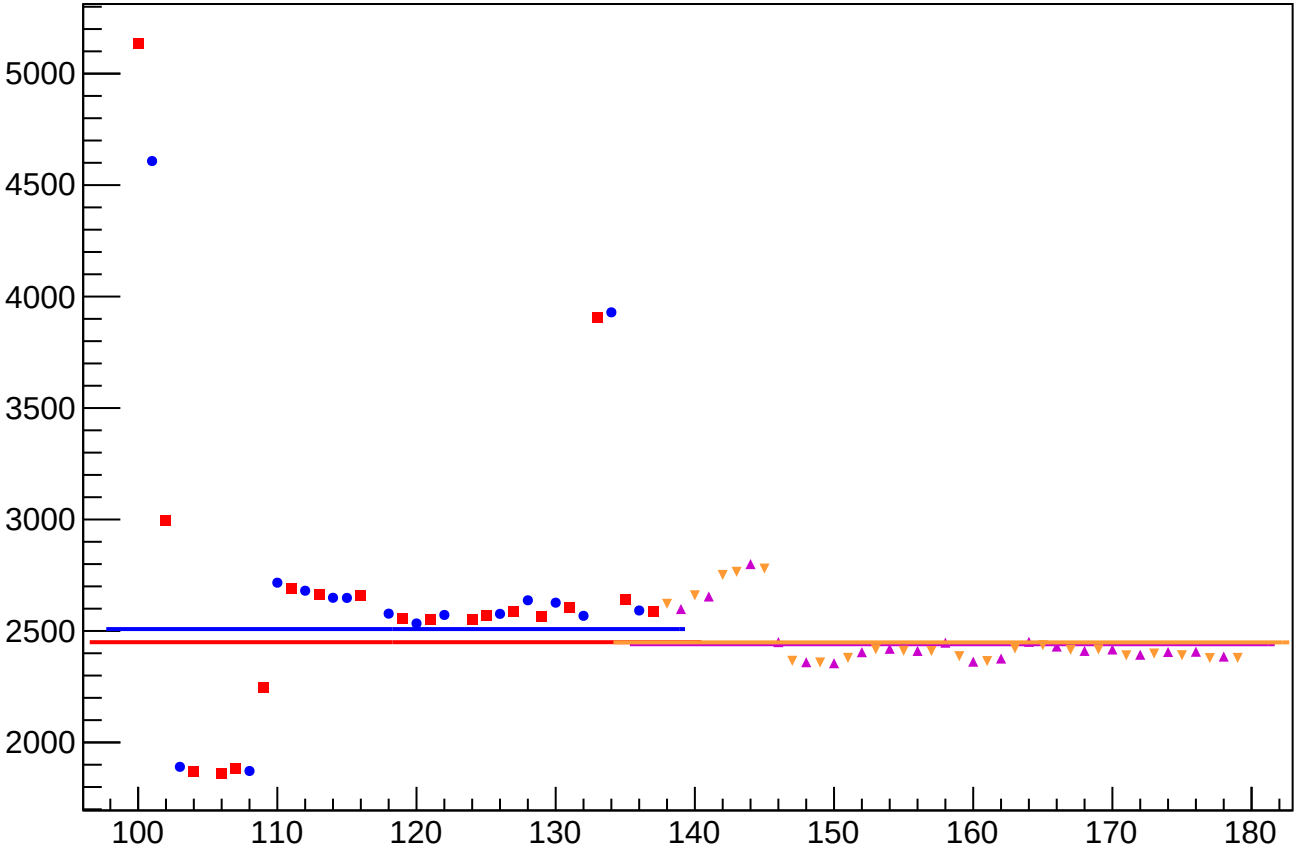
Left In: -3311.863+/-604.187 χ^2/NDF:10.8/19

+ sign 1975.389+/-499.220 χ^2/NDF: 47.3/37

All: -469.000+/-355.156 χ^2/NDF: 122.6/76

- sign -2973.960+/-505.368 χ^2/NDF: 26.7/38

eigen_cor_asym_atr2_rms vs Slug



Right In: 2508.467+/-0.673 χ^2/NDF: 611587.4/15

Left Out: 2448.780+/-0.415 χ^2/NDF:88955.5/21

Right Out: 2449.647+/-0.652 χ^2/NDF: 436846.6/18

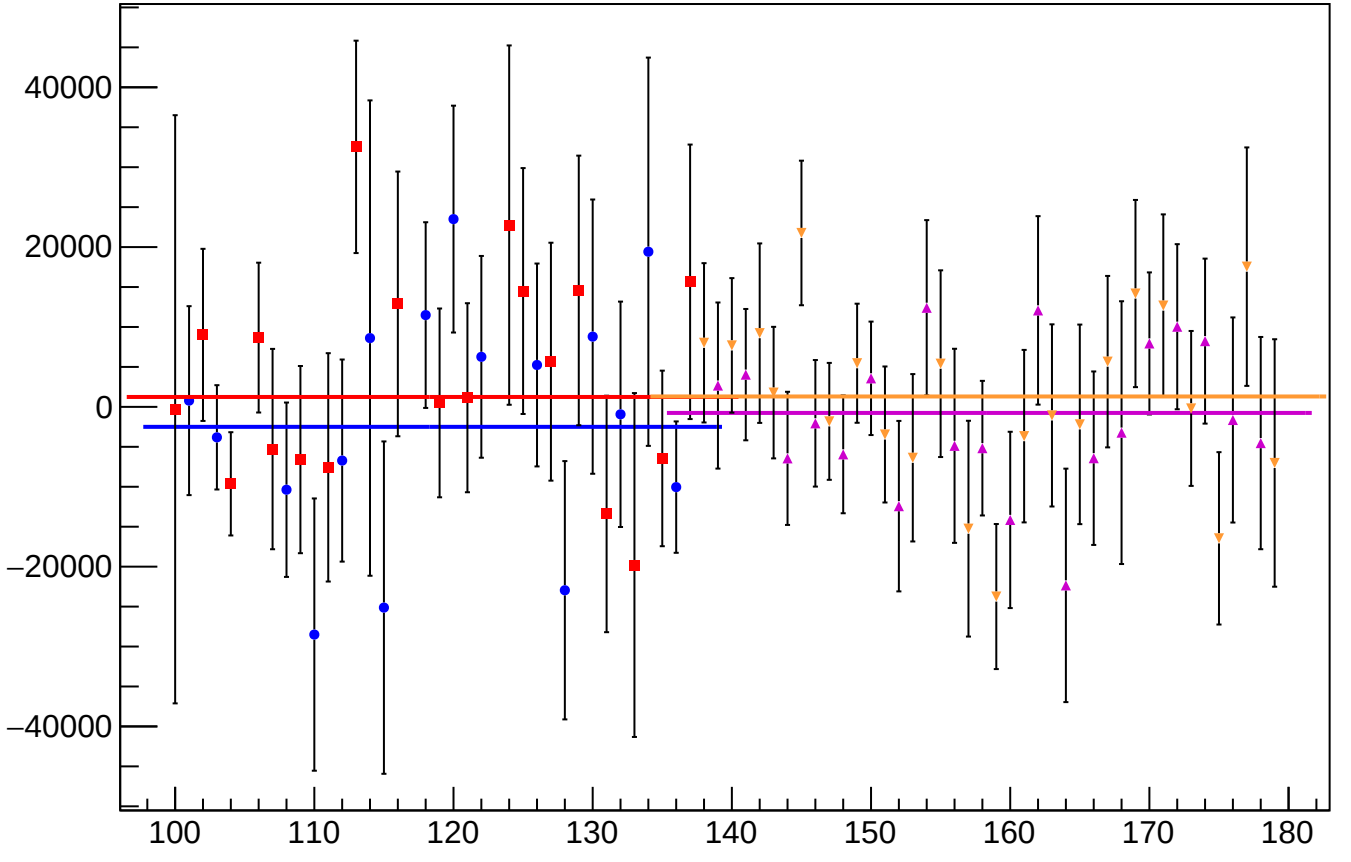
Left In: 2440.499+/-0.427 χ^2/NDF:58168.5/19

+ sign 2465.195+/-0.353 χ^2/NDF: 706243.2/37

All: 2454.355+/-0.251 χ^2/NDF: 1203305.3/76

- sign 2443.247+/-0.357 χ^2/NDF: 495152.8/38

asym_atr2_eigen_cor_correction_mean vs Slug



Right In: -2500.380+/-3075.668 χ^2/NDF: 13.8/15

Left Out: 1300.737+/-2142.738 χ^2/NDF:24.1/21

Right Out: 1239.896+/-2893.464 χ^2/NDF: 16.6/18

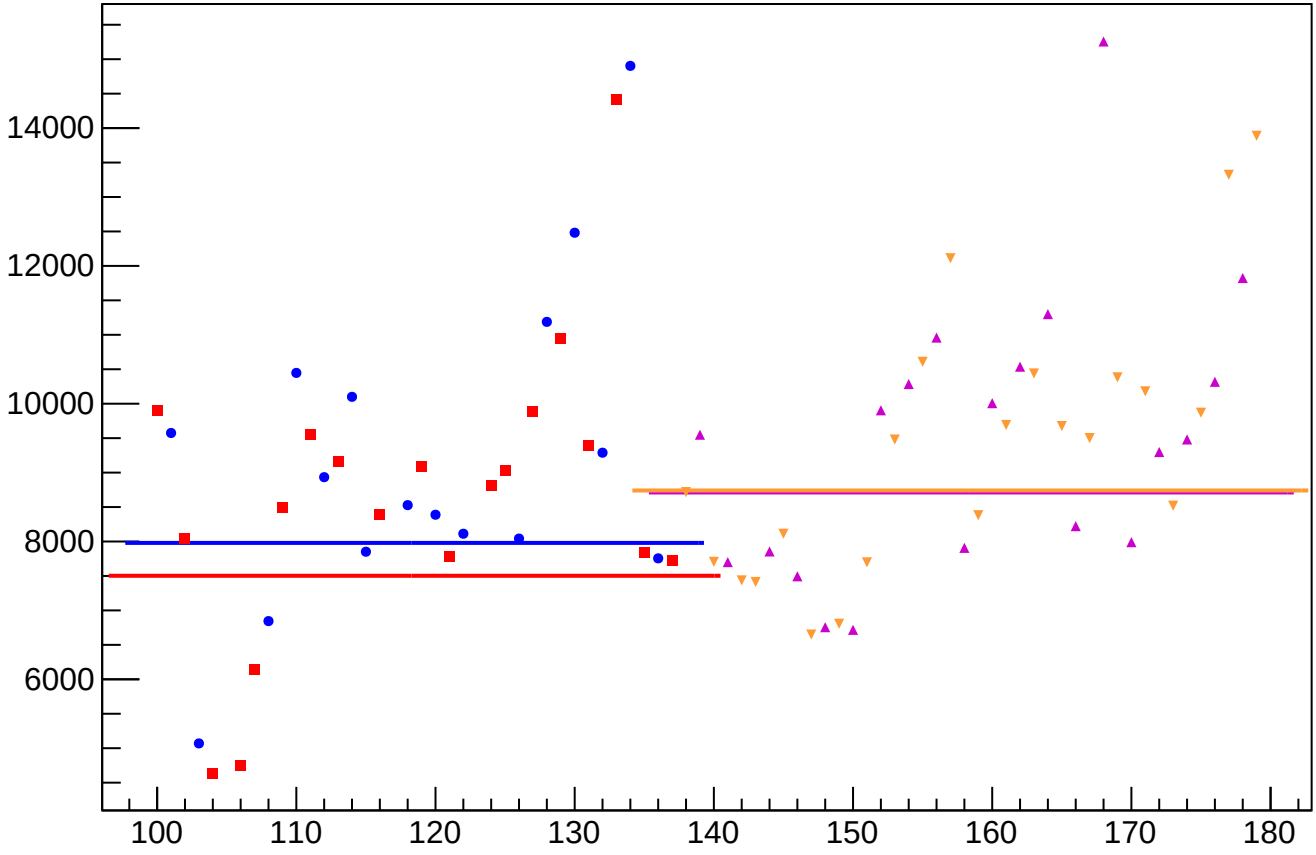
Left In: -758.068+/-2203.435 χ^2/NDF:12.9/19

+ sign 58.684+/-1758.142 χ^2/NDF: 38.9/37

All: 16.867+/-1241.374 χ^2/NDF: 68.7/76

- sign -24.706+/-1753.006 χ^2/NDF: 29.8/38

asym_atr2_eigen_cor_correction_rms vs Slug



Right In: 7979.812+/-2.175 χ^2/NDF: 922785.4/15

Left Out: 8740.605+/-1.515 χ^2/NDF:1220279.2/21

Right Out: 7502.685+/-2.046 χ^2/NDF: 1135523.5/18

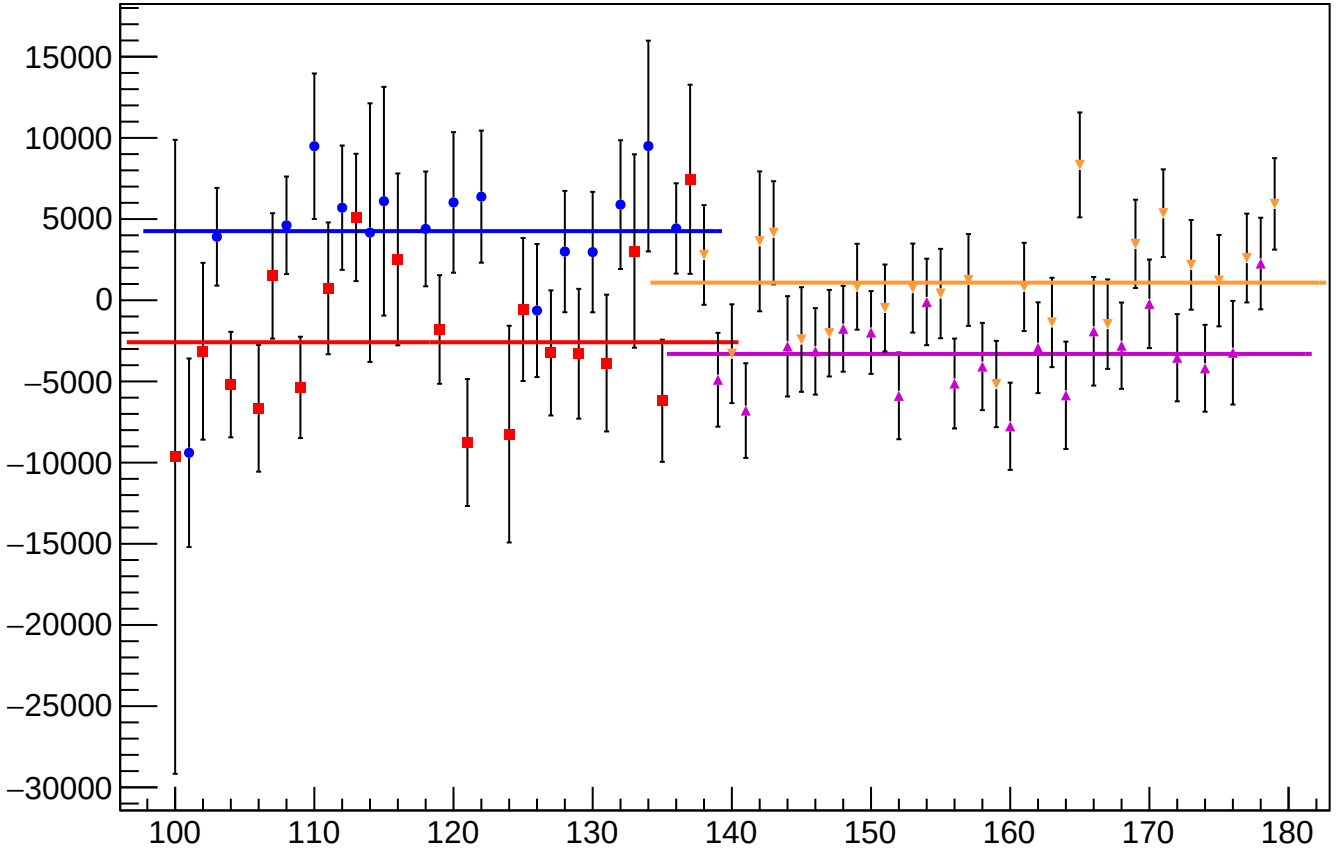
Left In: 8711.626+/-1.558 χ^2/NDF:1193616.0/19

+ sign 8492.008+/-1.243 χ^2/NDF: 2225450.8/37

All: 8379.616+/-0.878 χ^2/NDF: 4791878.0/76

- sign 8267.879+/-1.240 χ^2/NDF: 2550128.2/38

dit_asym_atr2_mean vs Slug



Right In: 4256.977+/-990.542 χ^2/NDF: 10.1/15

Left Out: 1085.515+/-608.240 χ^2/NDF:25.6/21

Right Out: -2584.689+/-966.049 χ^2/NDF: 17.6/18

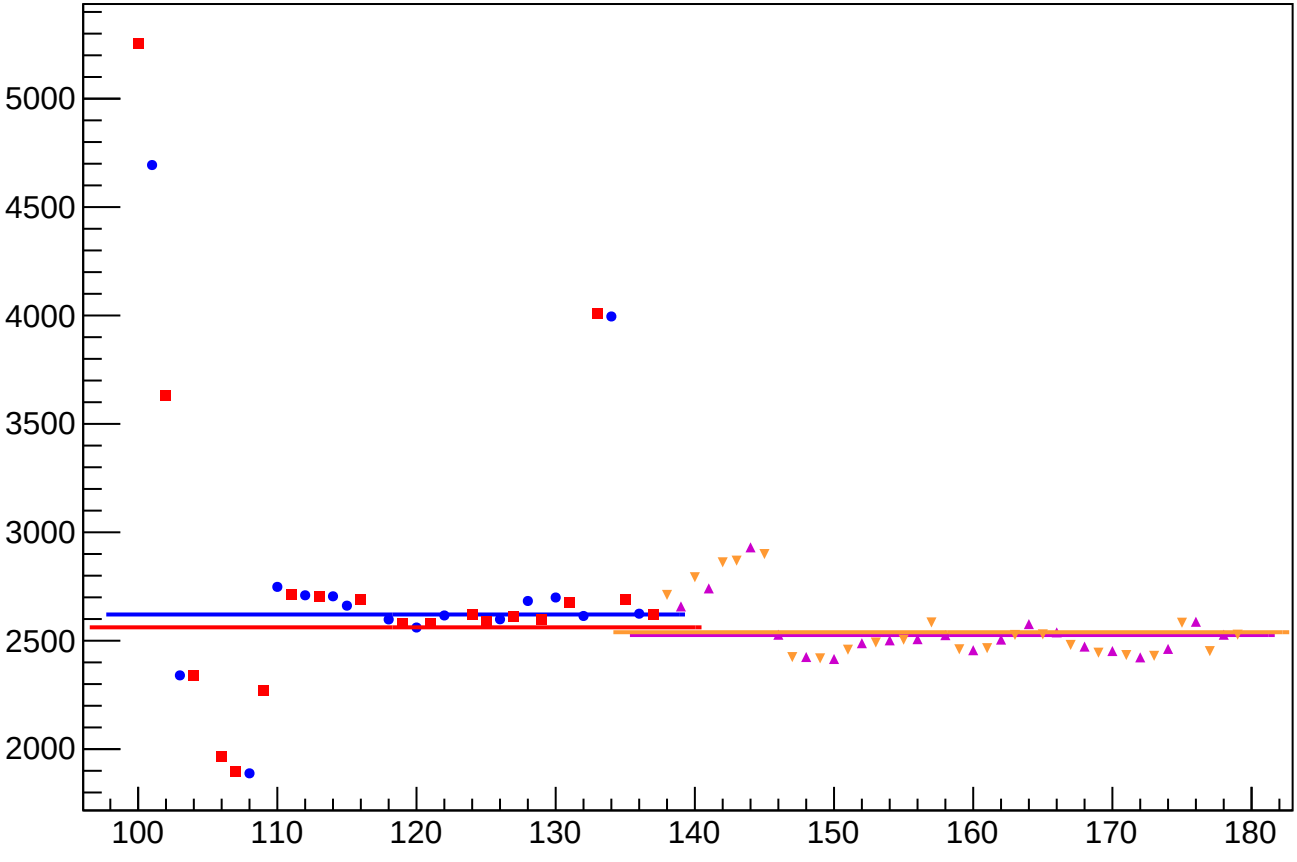
Left In: -3305.839+/-625.598 χ^2/NDF:14.1/19

+ sign 1953.901+/-518.322 χ^2/NDF: 43.1/37

All: -536.615+/-368.885 χ^2/NDF: 122.0/76

- sign -3092.768+/-525.108 χ^2/NDF: 32.2/38

dit_asym_atr2_rms vs Slug



Right In: 2620.964+/-0.700 χ^2/NDF: 485914.1/15

Left Out: 2539.175+/-0.430 χ^2/NDF:104435.3/21

Right Out: 2561.718+/-0.683 χ^2/NDF: 378259.5/18

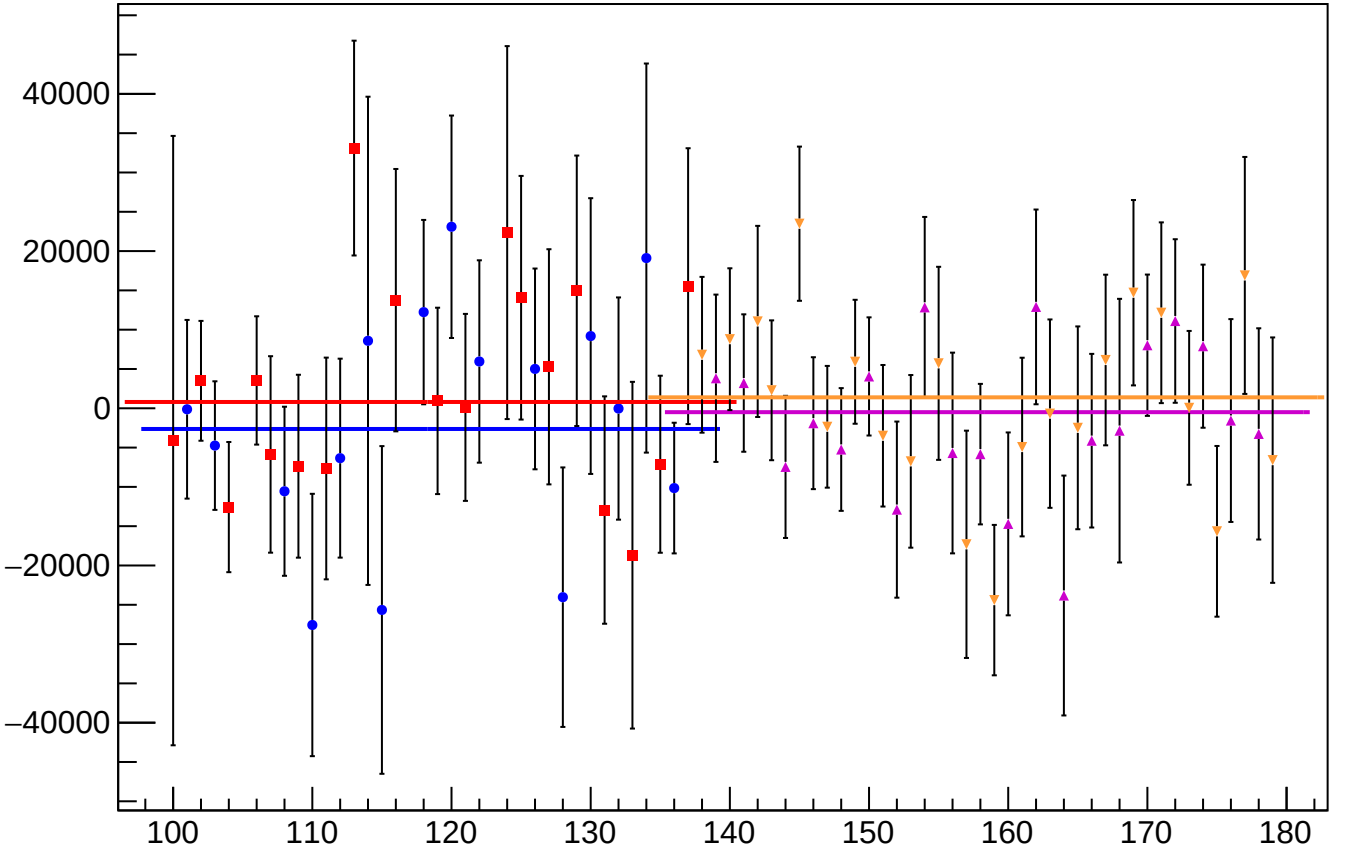
Left In: 2526.193+/-0.442 χ^2/NDF:65753.6/19

+ sign 2561.570+/-0.367 χ^2/NDF: 600251.3/37

All: 2549.293+/-0.261 χ^2/NDF: 1048444.6/76

- sign 2536.698+/-0.371 χ^2/NDF: 445920.2/38

asym_atr2_dit_correction_mean vs Slug



Right In: -2631.921+/-3211.506 χ^2/NDF: 13.8/15

Left Out: 1392.925+/-2239.592 χ^2/NDF:23.7/21

Right Out: 802.880+/-2872.934 χ^2/NDF: 15.4/18

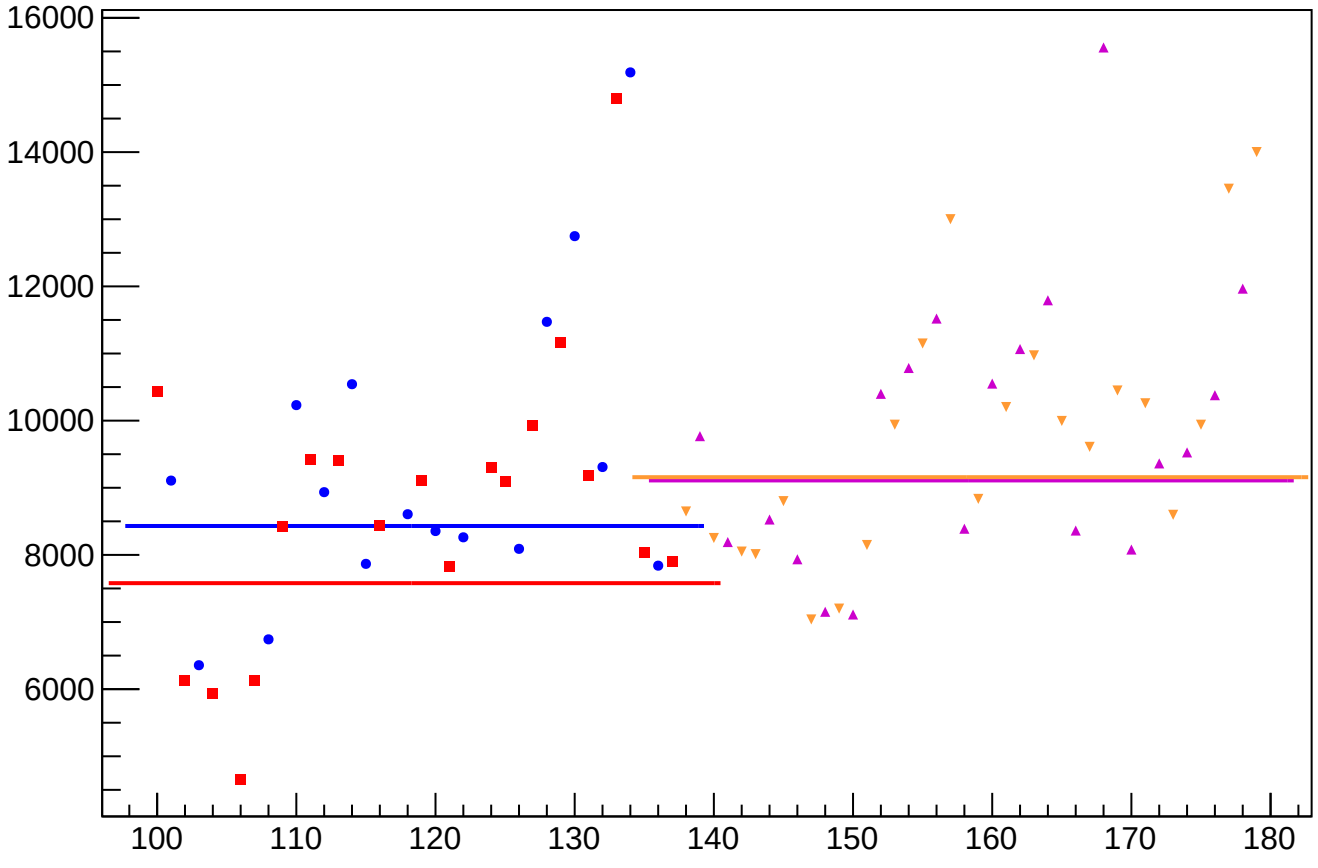
Left In: -493.058+/-2300.112 χ^2/NDF:12.8/19

+ sign 76.010+/-1837.016 χ^2/NDF: 38.6/37

All: 43.861+/-1284.054 χ^2/NDF: 66.9/76

- sign 13.147+/-1795.548 χ^2/NDF: 28.3/38

asym_atr2_dit_correction_rms vs Slug



Right In: 8430.768+/-2.271 χ^2/NDF: 580295.1/15

Left Out: 9157.628+/-1.584 χ^2/NDF:1071448.7/21

Right Out: 7579.112+/-2.031 χ^2/NDF: 974126.9/18

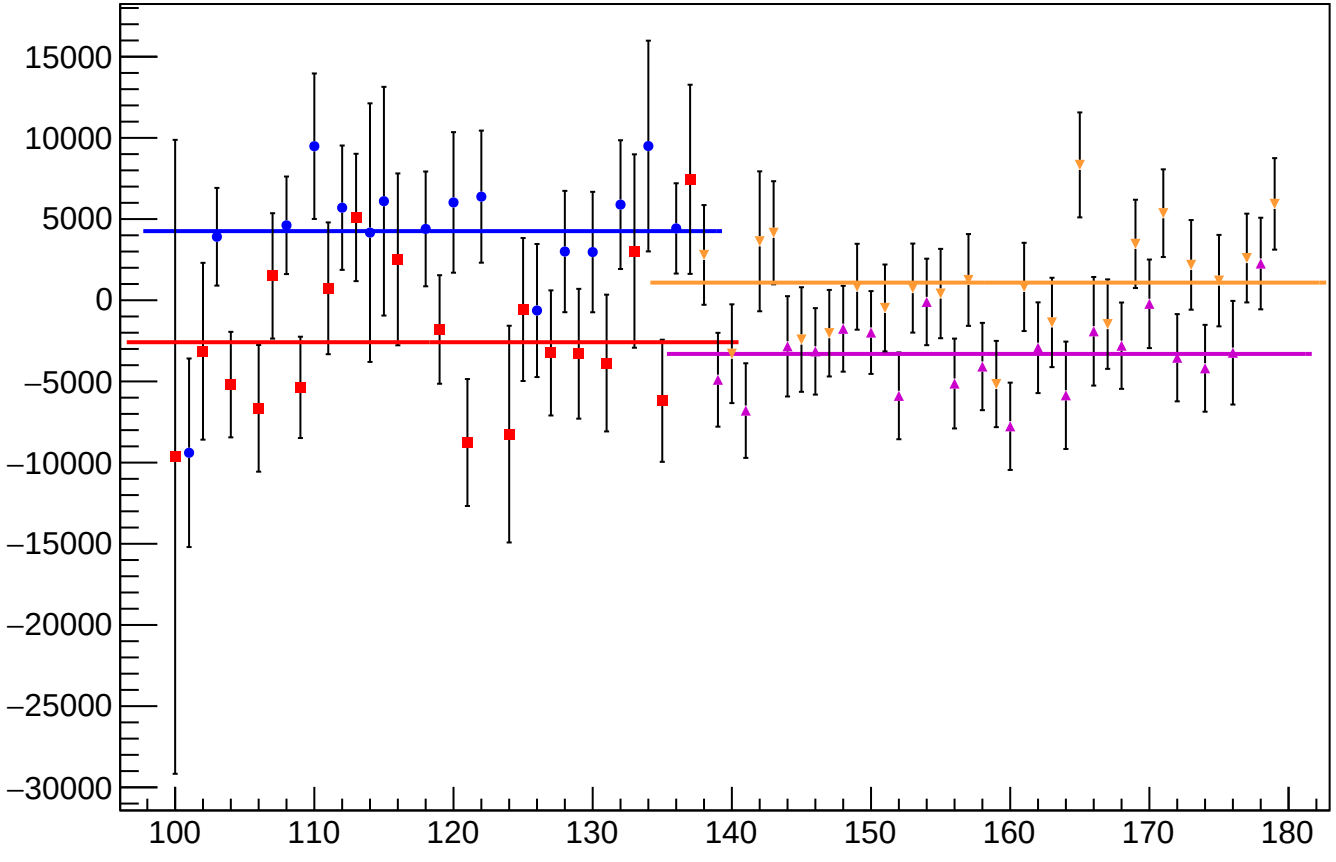
Left In: 9109.452+/-1.626 χ^2/NDF:1084992.9/19

+ sign 8919.802+/-1.299 χ^2/NDF: 1720672.9/37

All: 8711.086+/-0.908 χ^2/NDF: 4176095.6/76

- sign 8511.687+/-1.270 χ^2/NDF: 2404940.0/38

eigen_dit_asym_atr2_mean vs Slug



Right In: 4256.984+/-990.541 χ^2/NDF: 10.1/15

Left Out: 1085.505+/-608.241 χ^2/NDF:25.6/21

Right Out: -2584.699+/-966.048 χ^2/NDF: 17.6/18

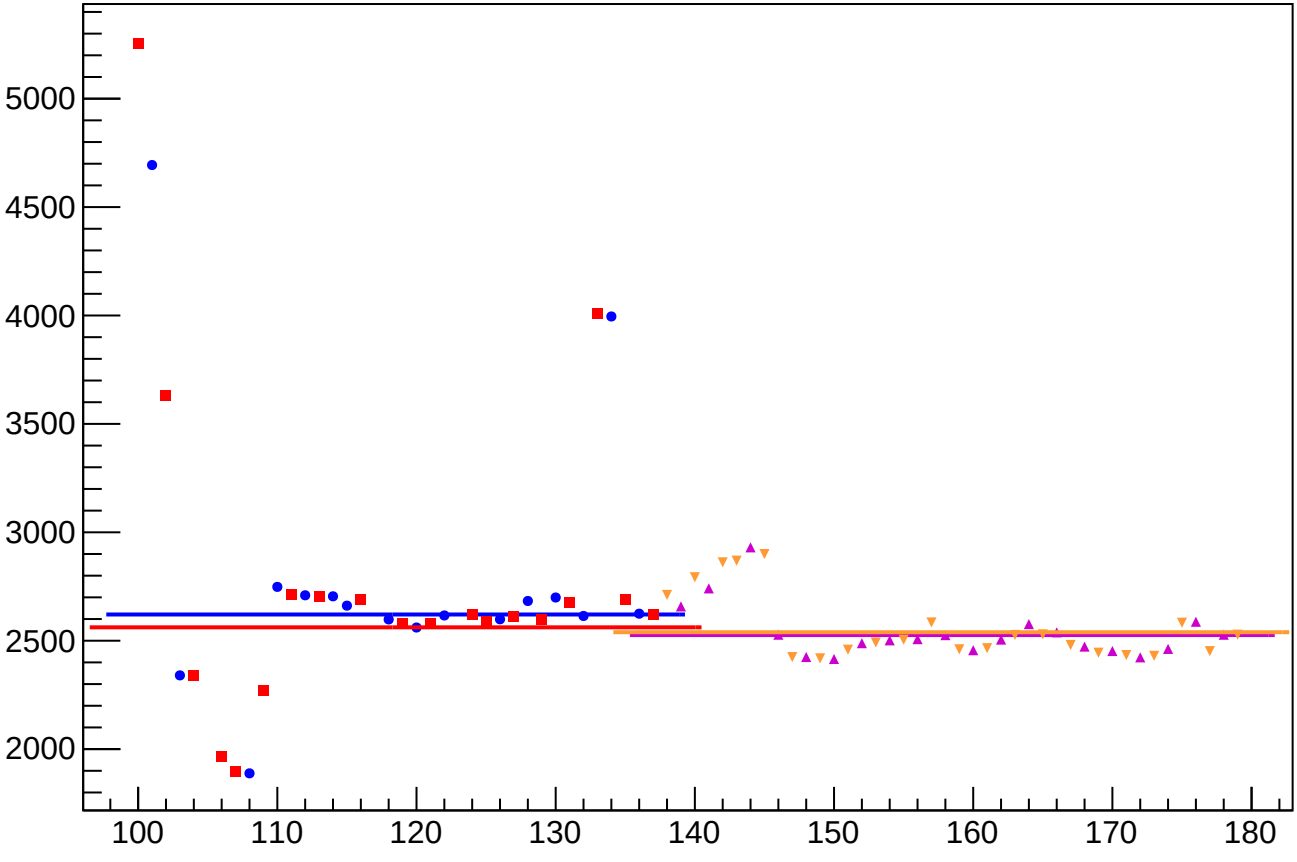
Left In: -3305.843+/-625.599 χ^2/NDF:14.1/19

+ sign 1953.897+/-518.322 χ^2/NDF: 43.1/37

All: -536.619+/-368.885 χ^2/NDF: 122.0/76

- sign -3092.774+/-525.108 χ^2/NDF: 32.2/38

eigen_dit_asym_atr2_rms vs Slug



Right In: 2620.963+/-0.700 χ^2/NDF: 485914.3/15

Left Out: 2539.177+/-0.430 χ^2/NDF:104435.6/21

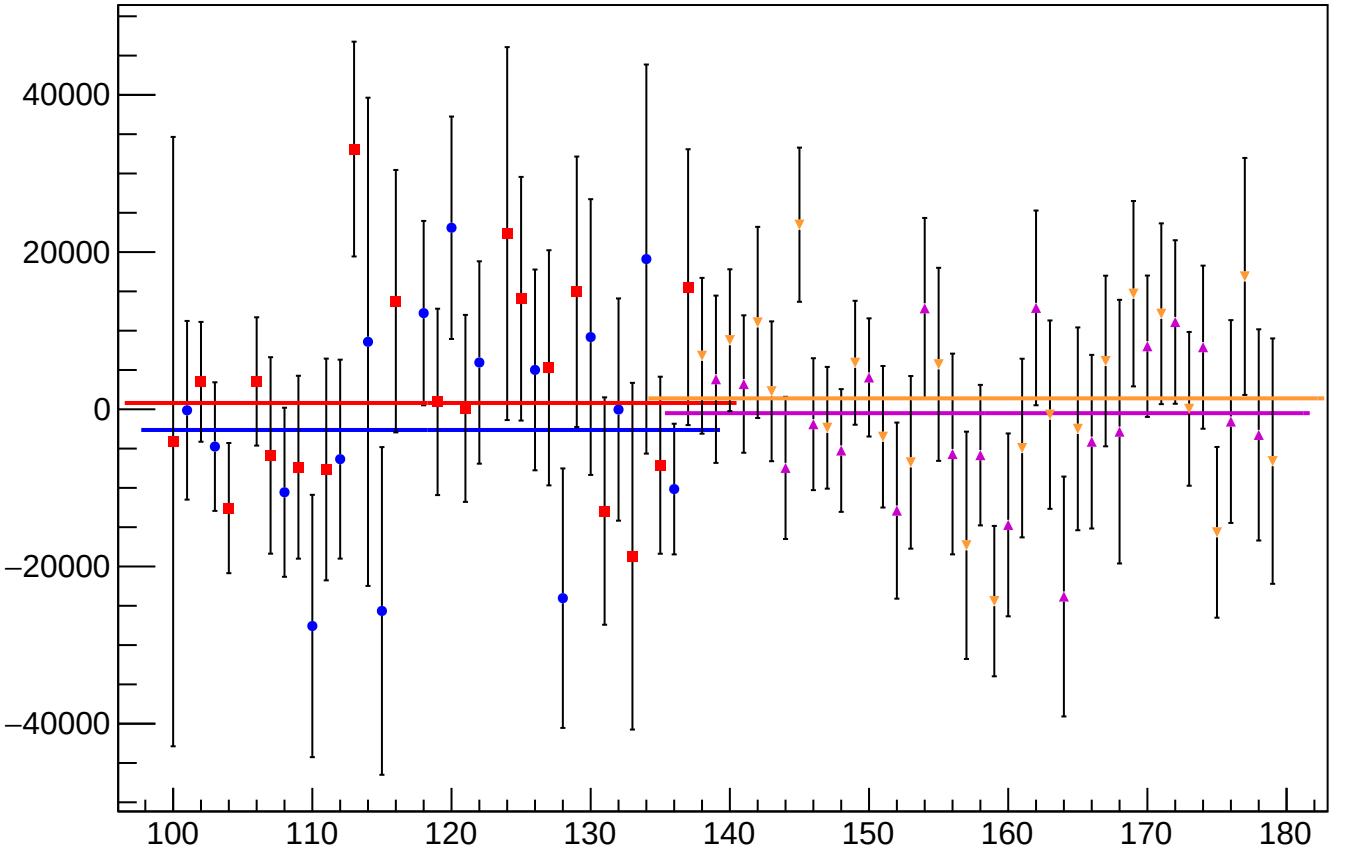
Right Out: 2561.718+/-0.683 χ^2/NDF: 378258.9/18

Left In: 2526.195+/-0.442 χ^2/NDF:65753.4/19

+ sign 2561.571+/-0.367 χ^2/NDF: 600251.2/37

All: 2549.295+/-0.261 χ^2/NDF: 1048443.4/76

- sign 2536.699+/-0.371 χ^2/NDF: 445919.2/38



Right In: -2631.887+/-3211.501 χ^2/NDF: 13.8/15

Left Out: 1392.922+/-2239.596 χ^2/NDF:23.7/21

Right Out: 802.875+/-2872.930 χ^2/NDF: 15.4/18

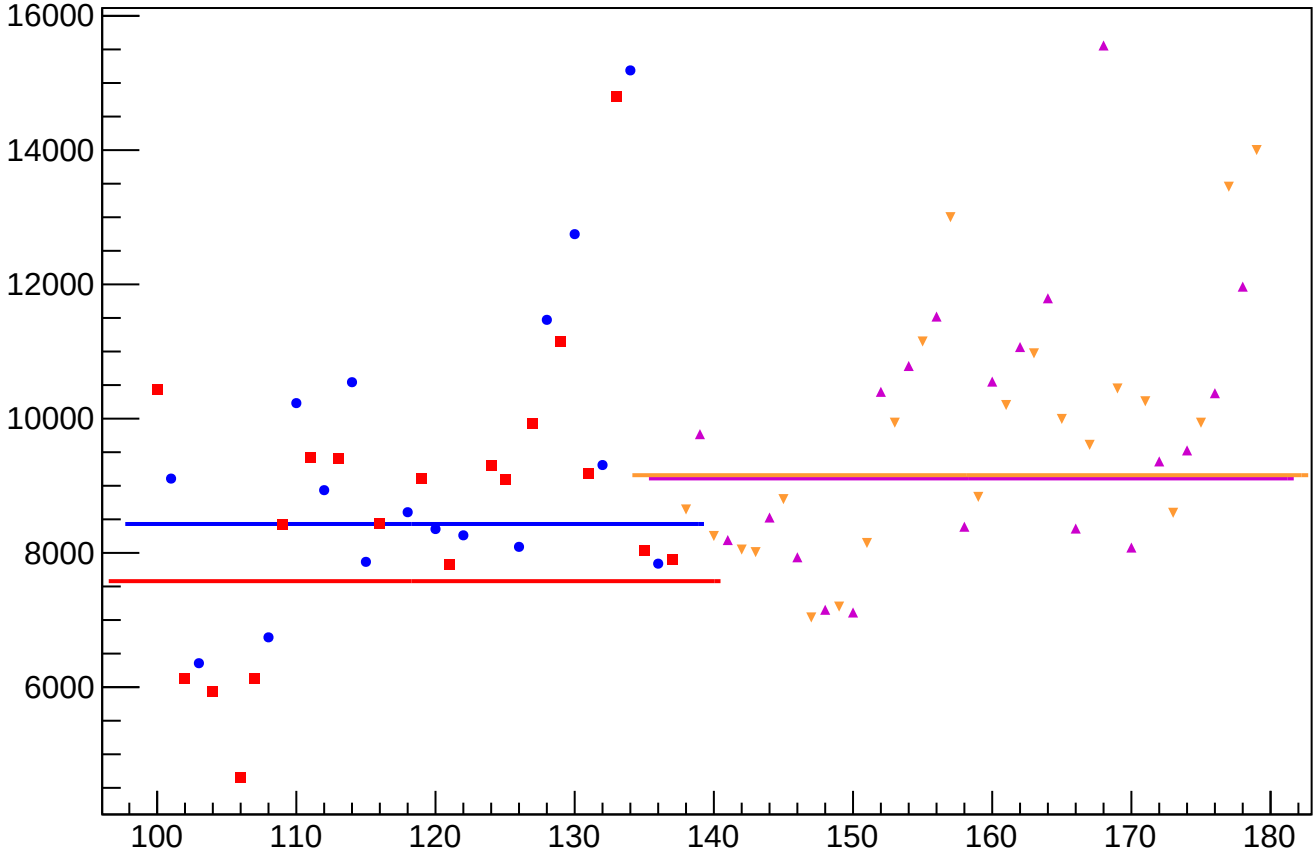
Left In: -493.055+/-2300.116 χ^2/NDF:12.8/19

+ sign 76.013+/-1837.018 χ^2/NDF: 38.6/37

All: 43.864+/-1284.055 χ^2/NDF: 66.9/76

- sign 13.149+/-1795.548 χ^2/NDF: 28.3/38

asym_atr2_eigen_dit_correction_rms vs Slug



Right In: 8430.758+/-2.271 χ^2/NDF: 580289.4/15

Left Out: 9157.643+/-1.584 χ^2/NDF:1071450.7/21

Right Out: 7579.100+/-2.031 χ^2/NDF: 974123.2/18

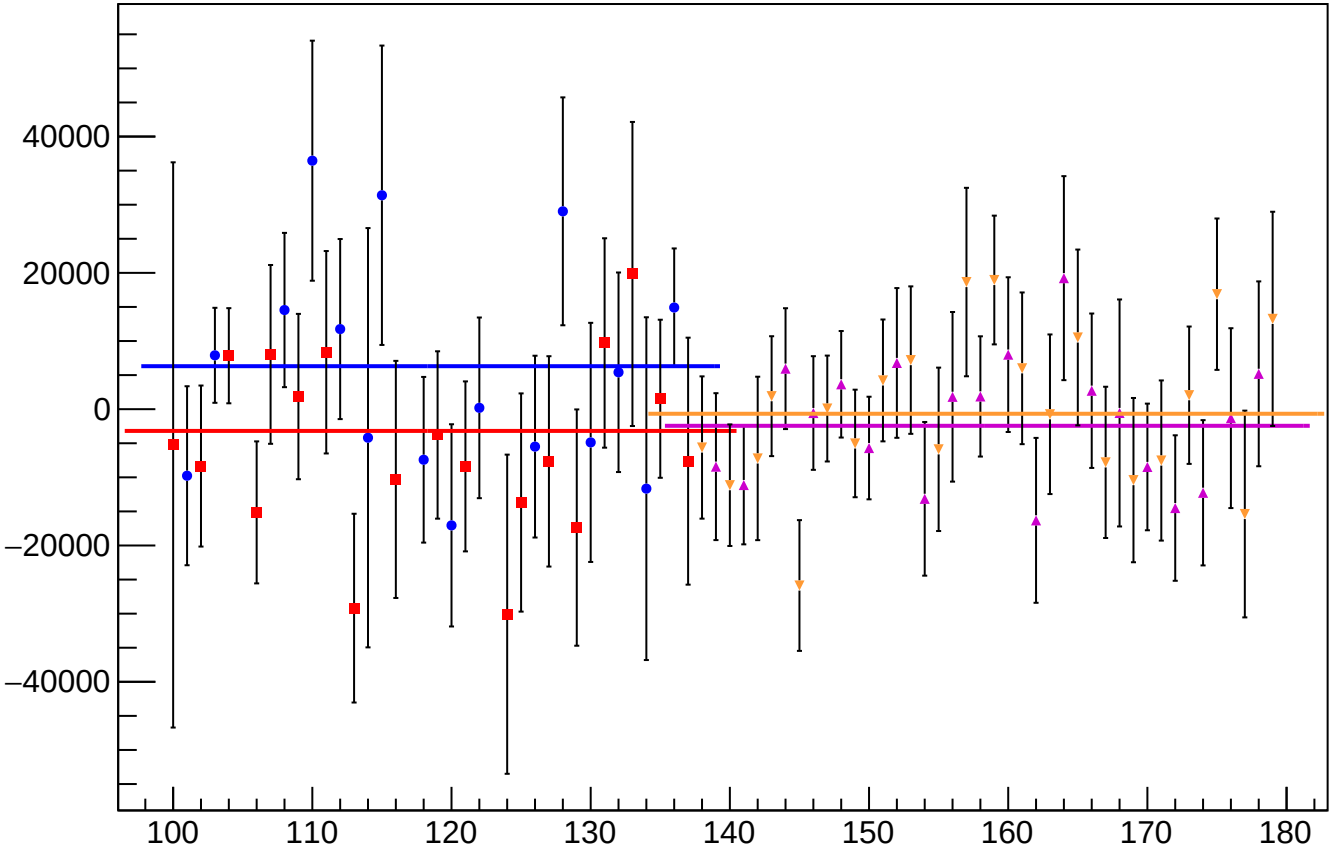
Left In: 9109.466+/-1.626 χ^2/NDF:1084995.2/19

+ sign 8919.808+/-1.299 χ^2/NDF: 1720673.9/37

All: 8711.090+/-0.908 χ^2/NDF: 4176107.9/76

- sign 8511.689+/-1.270 χ^2/NDF: 2404950.4/38

asym_atr2_mean vs Slug



Right In: 6307.034+/-3239.703 χ^2/NDF: 15.1/15

Left Out: -672.075+/-2238.485 χ^2/NDF:23.3/21

Right Out: -3189.356+/-3068.645 χ^2/NDF: 13.9/18

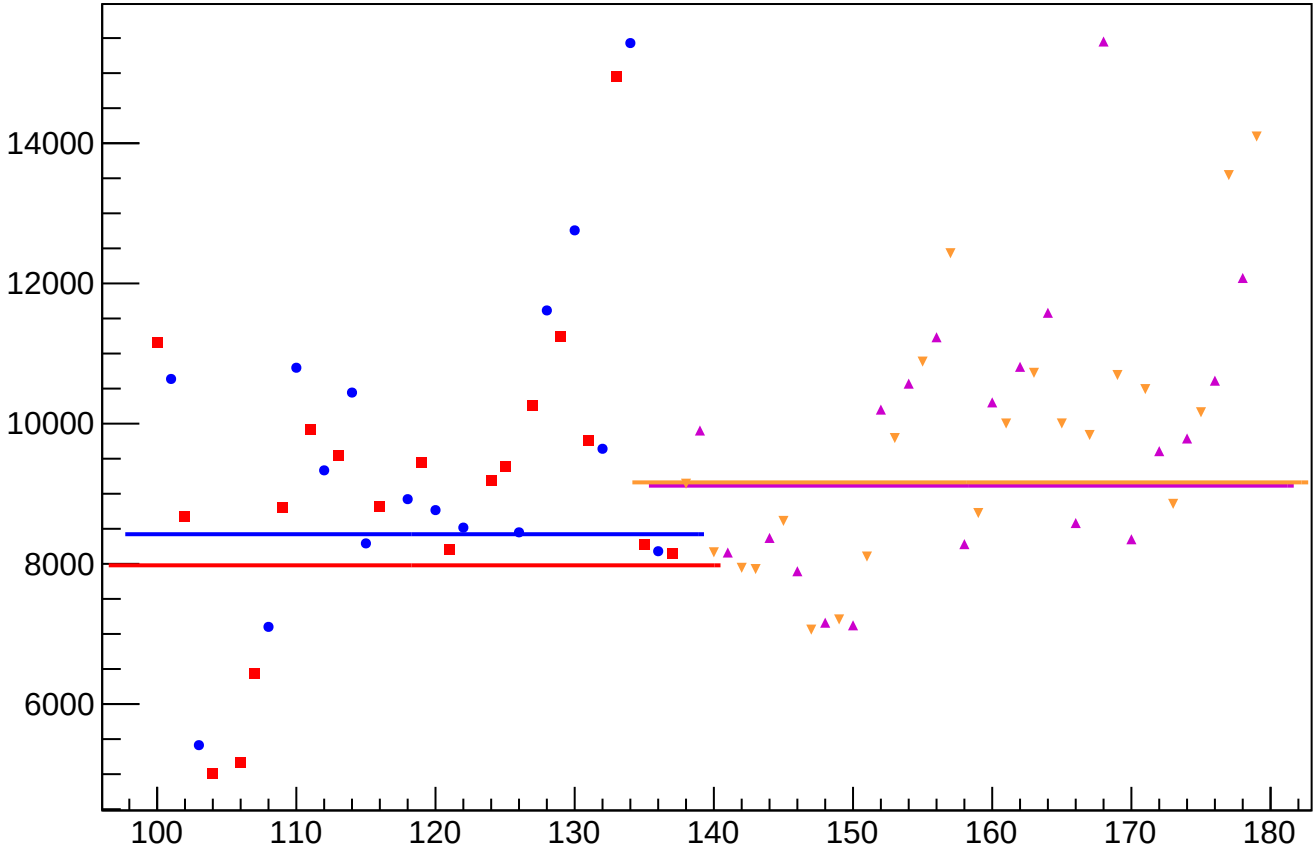
Left In: -2438.730+/-2298.928 χ^2/NDF:12.4/19

+ sign 1583.176+/-1841.631 χ^2/NDF: 41.6/37

All: -564.741+/-1301.610 χ^2/NDF: 70.6/76

- sign -2708.571+/-1839.878 χ^2/NDF: 26.3/38

asym_atr2_rms vs Slug



Right In: 8422.717+/-2.291 χ^2/NDF: 881833.9/15

Left Out: 9162.043+/-1.583 χ^2/NDF:1056023.4/21

Right Out: 7978.997+/-2.170 χ^2/NDF: 1016019.0/18

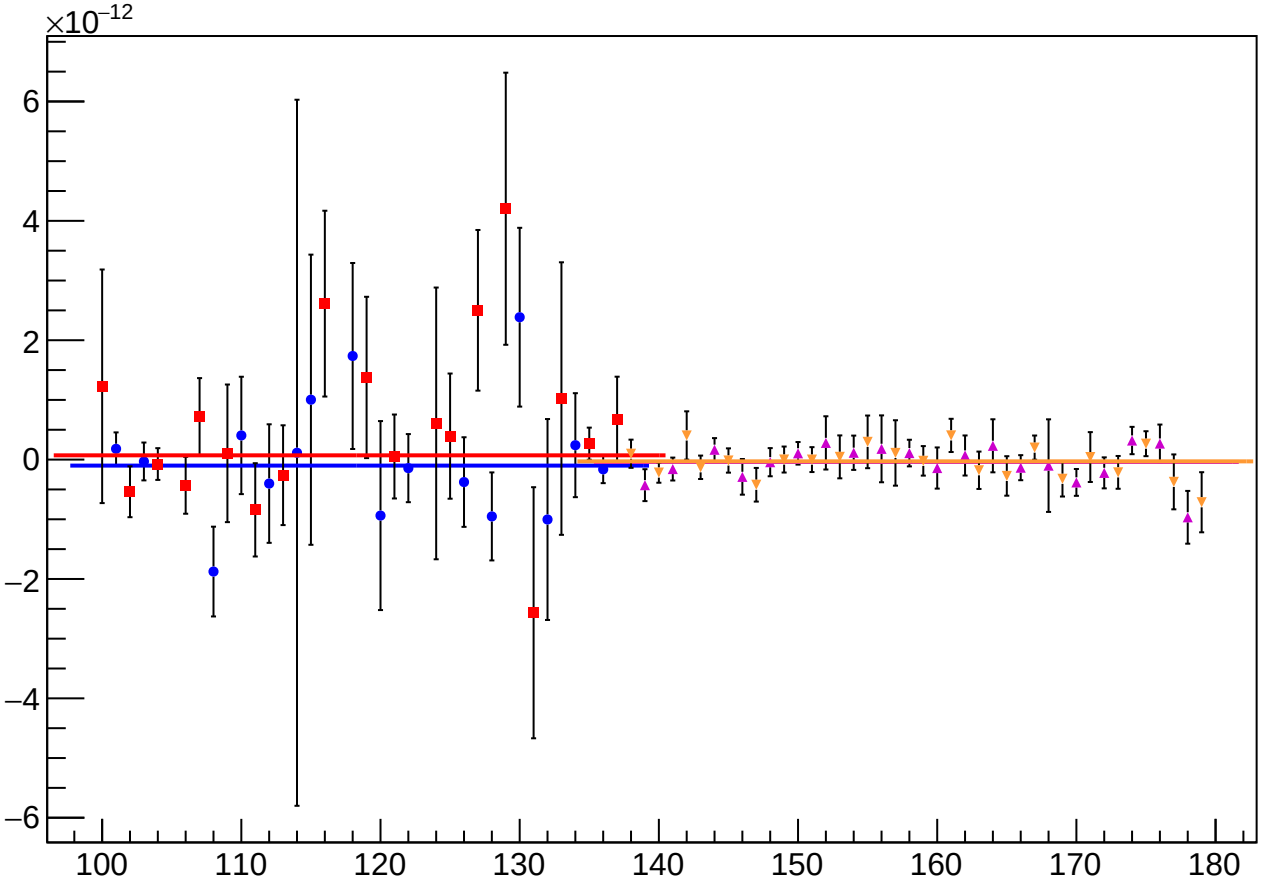
Left In: 9115.357+/-1.626 χ^2/NDF:1041882.1/19

+ sign 8923.135+/-1.302 χ^2/NDF: 2008357.1/37

All: 8814.883+/-0.920 χ^2/NDF: 4255738.9/76

- sign 8706.840+/-1.301 χ^2/NDF: 2233574.6/38

asym_atr2_reg_vs_cor_diff_mean vs Slug



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

Left Out: -0.000+/-0.000 χ^2/NDF:15.9/21

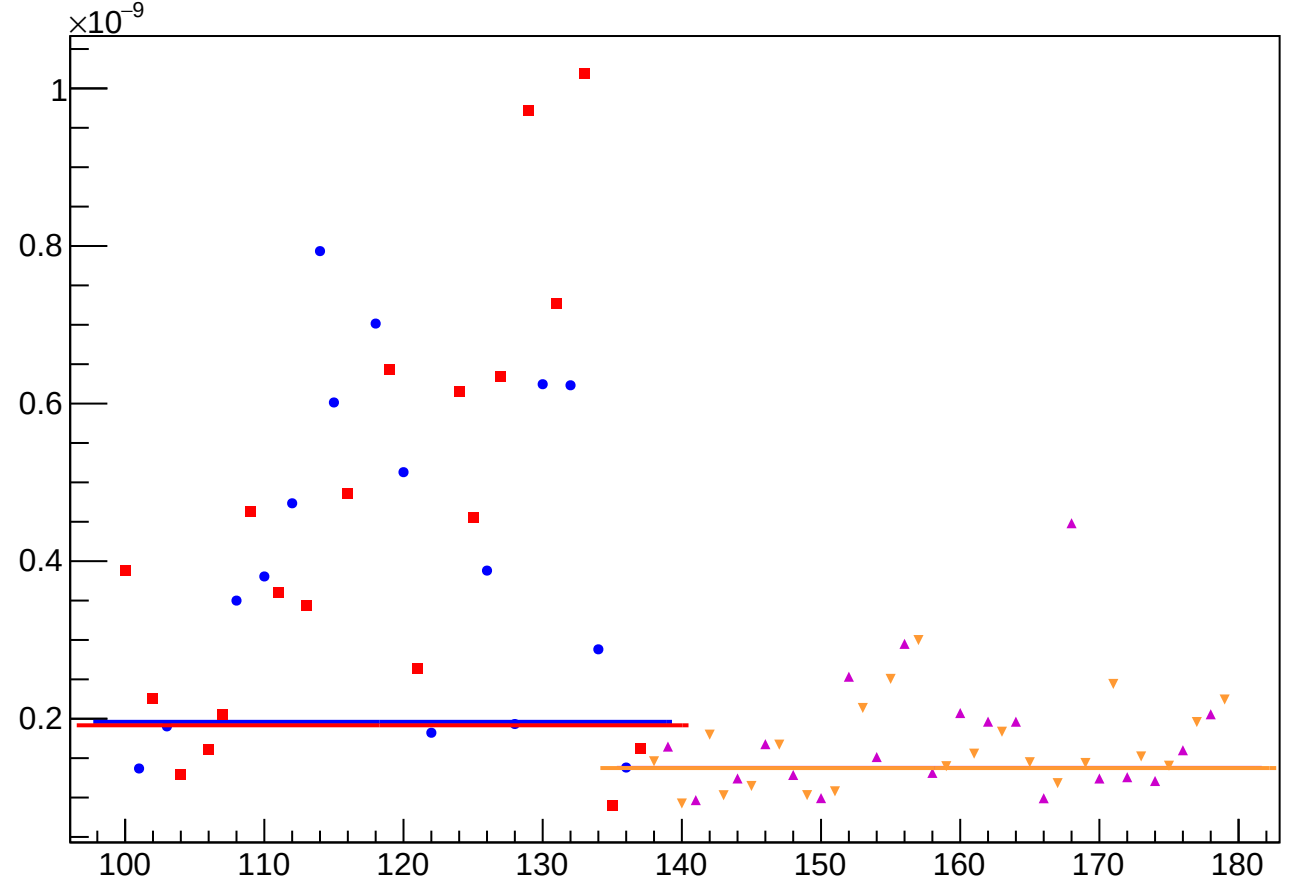
Right Out: 0.000+/-0.000 χ^2/NDF: 19.6/18

Left In: -0.000+/-0.000 χ^2/NDF:17.7/19

+ sign -0.000+/-0.000 χ^2/NDF: 29.8/37

All: -0.000+/-0.000 χ^2/NDF: 67.7/76

- sign -0.000+/-0.000 χ^2/NDF: 37.8/38



Right In: 0.000+/-0.000 χ^2/NDF: 1342263.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:1061719.2/21

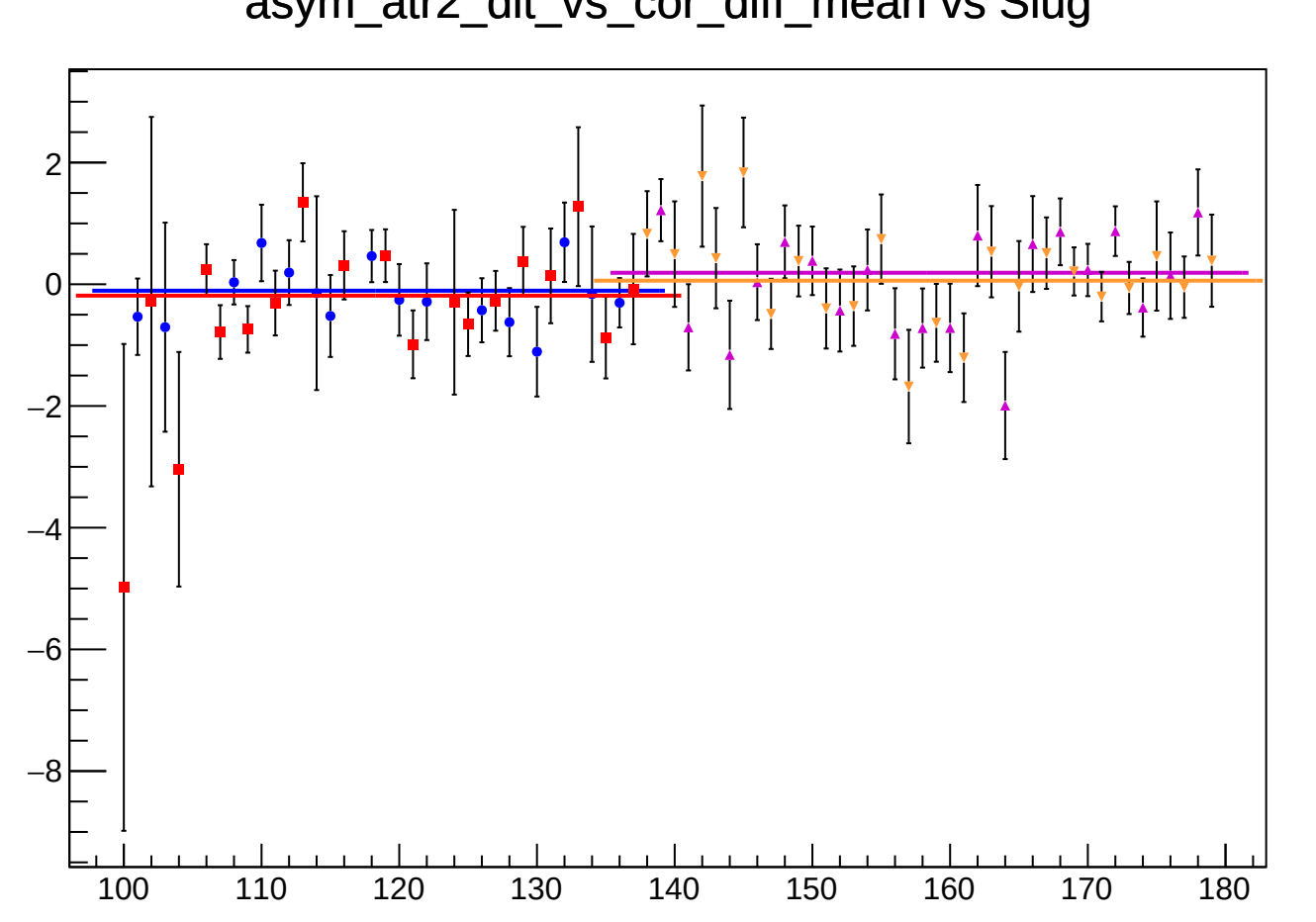
Right Out: 0.000+/-0.000 χ^2/NDF: 2066454.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1169583.4/19

+ sign 0.000+/-0.000 χ^2/NDF: 2728535.8/37

All: 0.000+/-0.000 χ^2/NDF: 6218824.5/76

- sign 0.000+/-0.000 χ^2/NDF: 3490281.2/38



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.059+/-0.134 χ^2/NDF:20.5/21

Right Out: -0.187+/-0.137 χ^2/NDF: 23.9/18

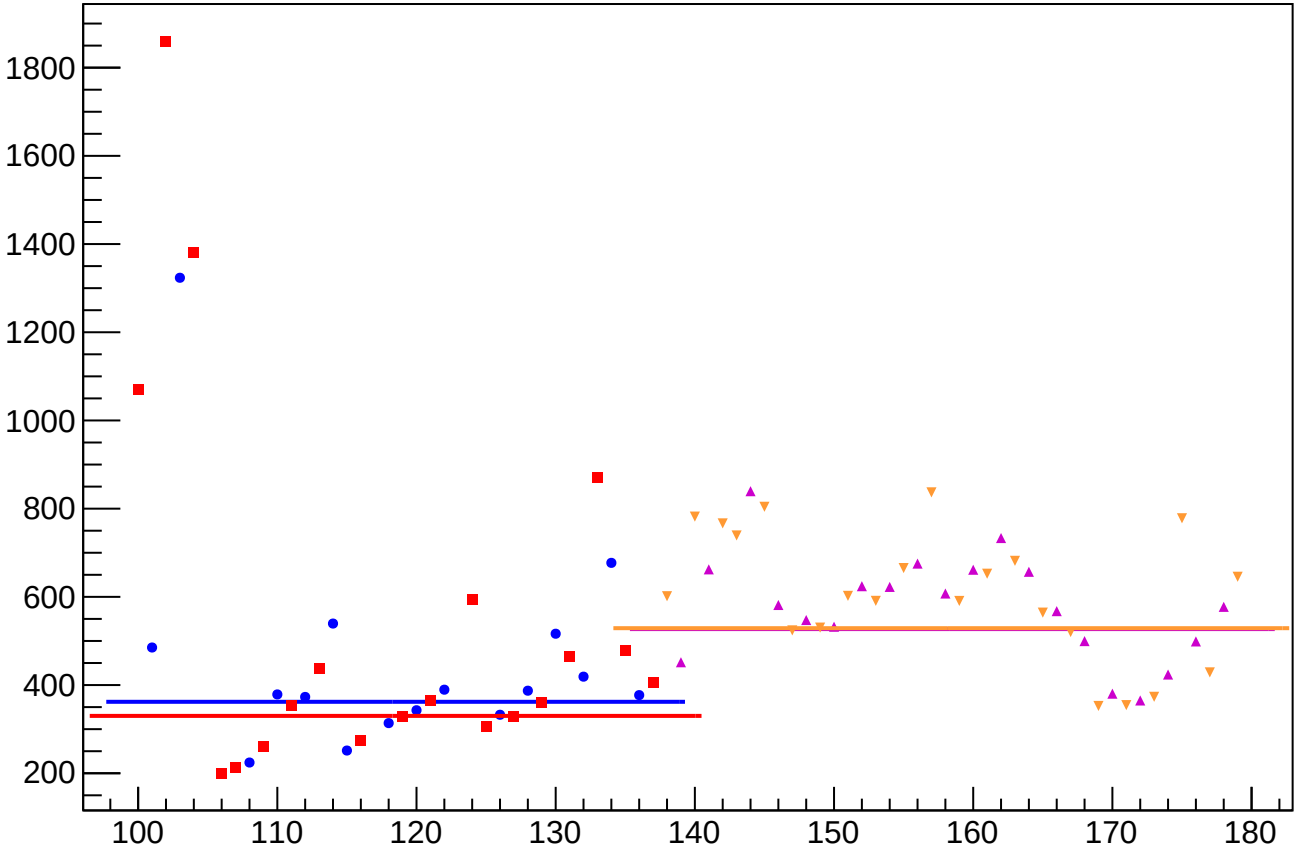
Left In: 0.189+/-0.137 χ^2/NDF:29.8/19

+ sign -0.017+/-0.098 χ^2/NDF: 30.9/37

All: -0.007+/-0.069 χ^2/NDF: 88.3/76

- sign 0.002+/-0.097 χ^2/NDF: 57.4/38

asym_atr2_dit_vs_cor_diff_rms vs Slug



Right In: 362.037+/-0.102 χ^2/NDF: 1377330.2/15

Left Out: 528.965+/-0.094 χ^2/NDF:2397665.2/21

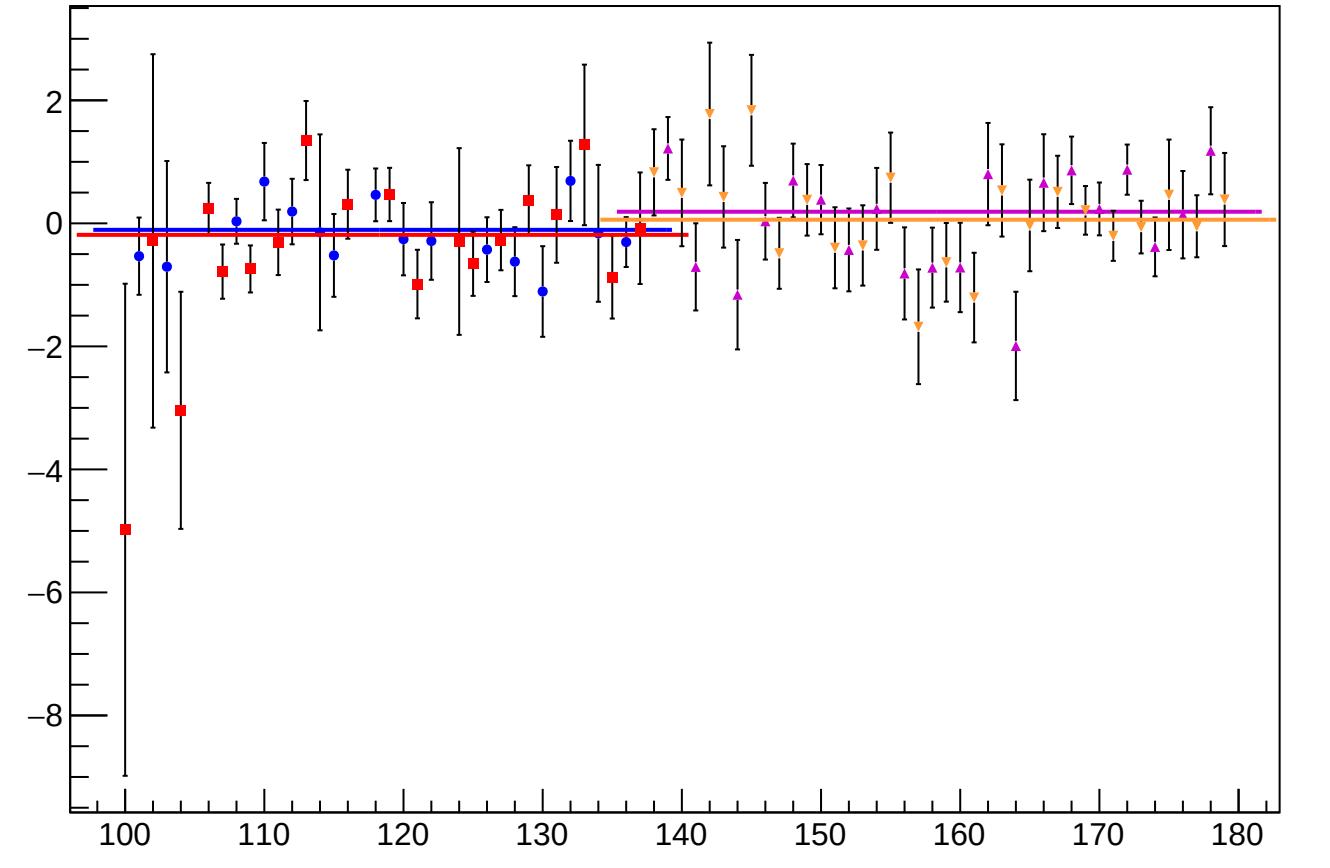
Right Out: 330.084+/-0.097 χ^2/NDF: 2246513.0/18

Left In: 526.930+/-0.097 χ^2/NDF:1473614.9/19

+ sign 452.171+/-0.069 χ^2/NDF: 5212473.0/37

All: 440.478+/-0.049 χ^2/NDF: 11052774.3/76

- sign 429.081+/-0.069 χ^2/NDF: 5784229.7/38



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.059+/-0.134 χ^2/NDF:20.5/21

Right Out: -0.187+/-0.137 χ^2/NDF: 23.9/18

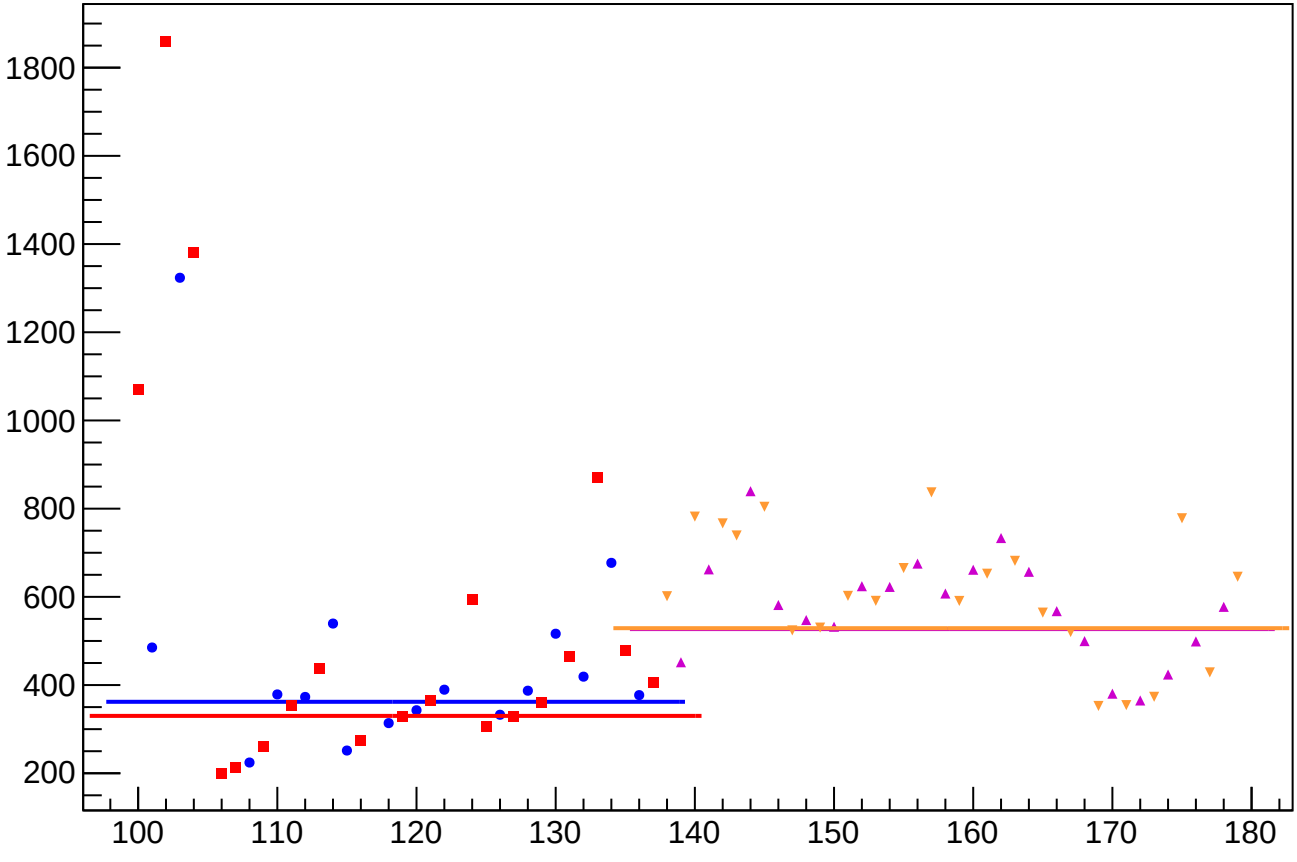
Left In: 0.189+/-0.137 χ^2/NDF:29.8/19

+ sign -0.017+/-0.098 χ^2/NDF: 30.9/37

All: -0.007+/-0.069 χ^2/NDF: 88.3/76

- sign 0.002+/-0.097 χ^2/NDF: 57.4/38

asym_atr2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 362.037+/-0.102 χ^2/NDF: 1377330.2/15

Left Out: 528.965+/-0.094 χ^2/NDF:2397665.2/21

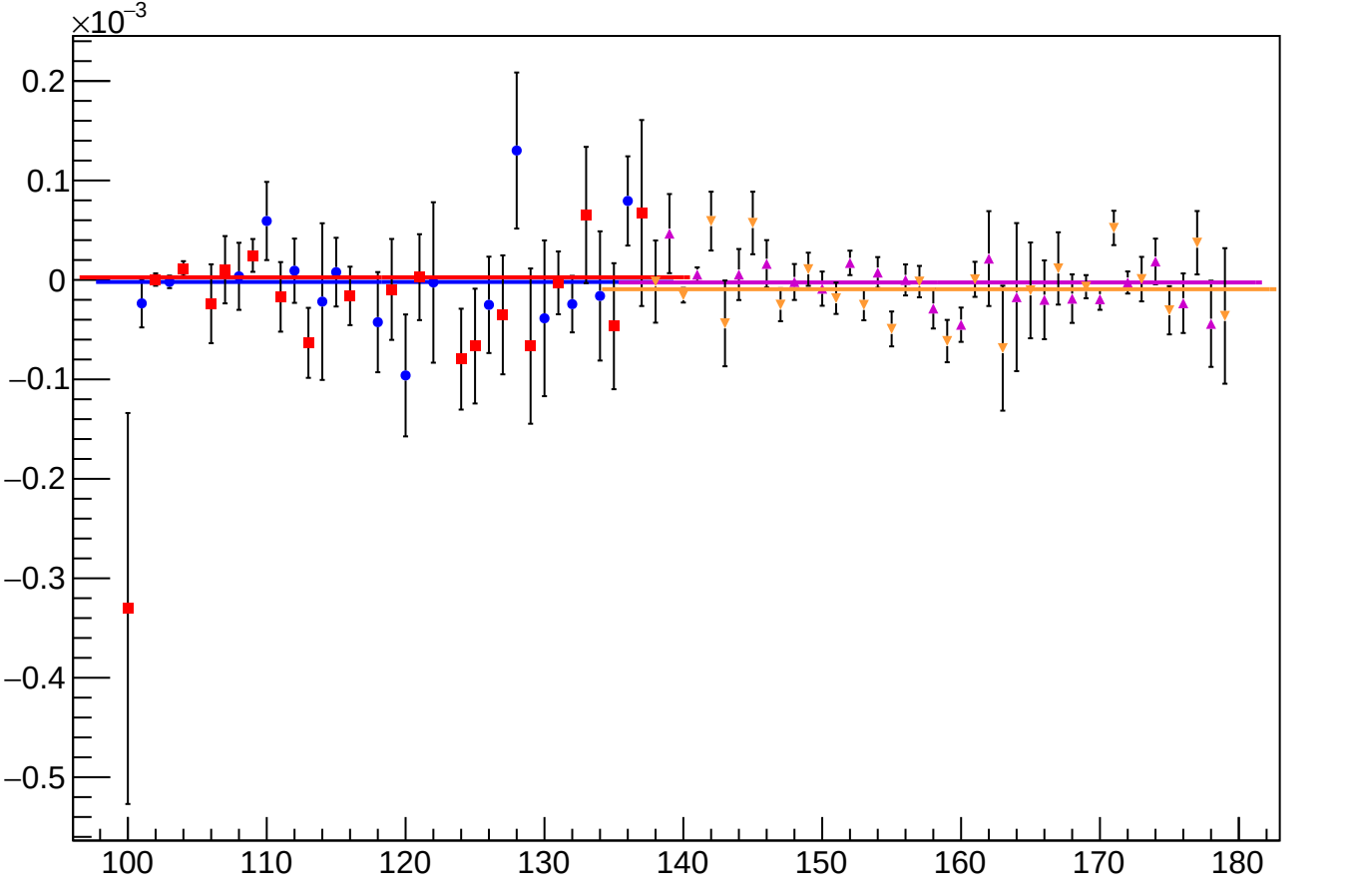
Right Out: 330.084+/-0.097 χ^2/NDF: 2246513.0/18

Left In: 526.930+/-0.097 χ^2/NDF:1473614.9/19

+ sign 452.171+/-0.069 χ^2/NDF: 5212473.0/37

All: 440.478+/-0.049 χ^2/NDF: 11052774.3/76

- sign 429.081+/-0.069 χ^2/NDF: 5784229.7/38



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

Left Out: -0.000+/-0.000 χ^2/NDF:43.9/21

Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

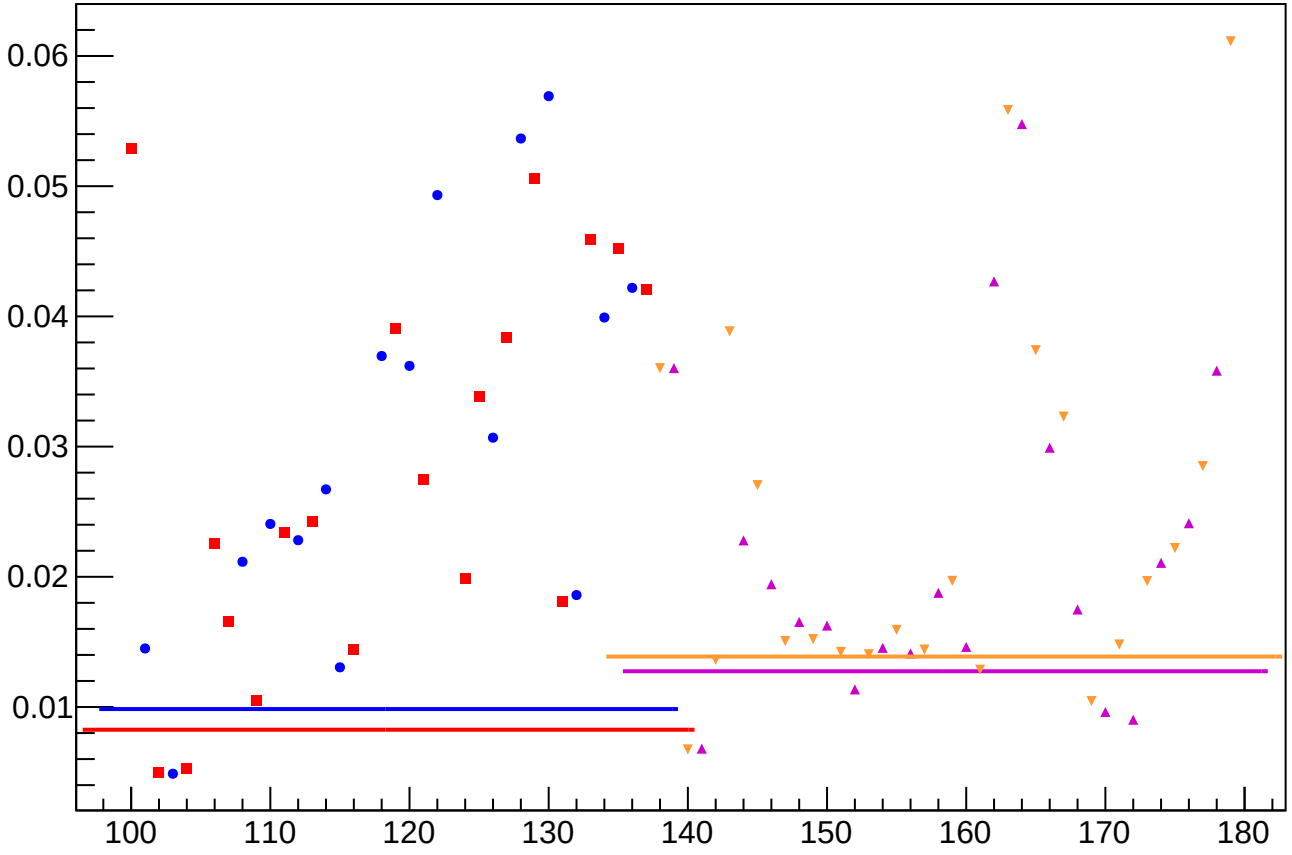
Left In: -0.000+/-0.000 χ^2/NDF:20.0/19

+ sign -0.000+/-0.000 χ^2/NDF: 58.9/37

All: -0.000+/-0.000 χ^2/NDF: 100.4/76

- sign -0.000+/-0.000 χ^2/NDF: 39.1/38

asym_atr2_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.010+/-0.000 χ^2/NDF: 7052383.3/15

Left Out: 0.014+/-0.000 χ^2/NDF:7509011.5/21

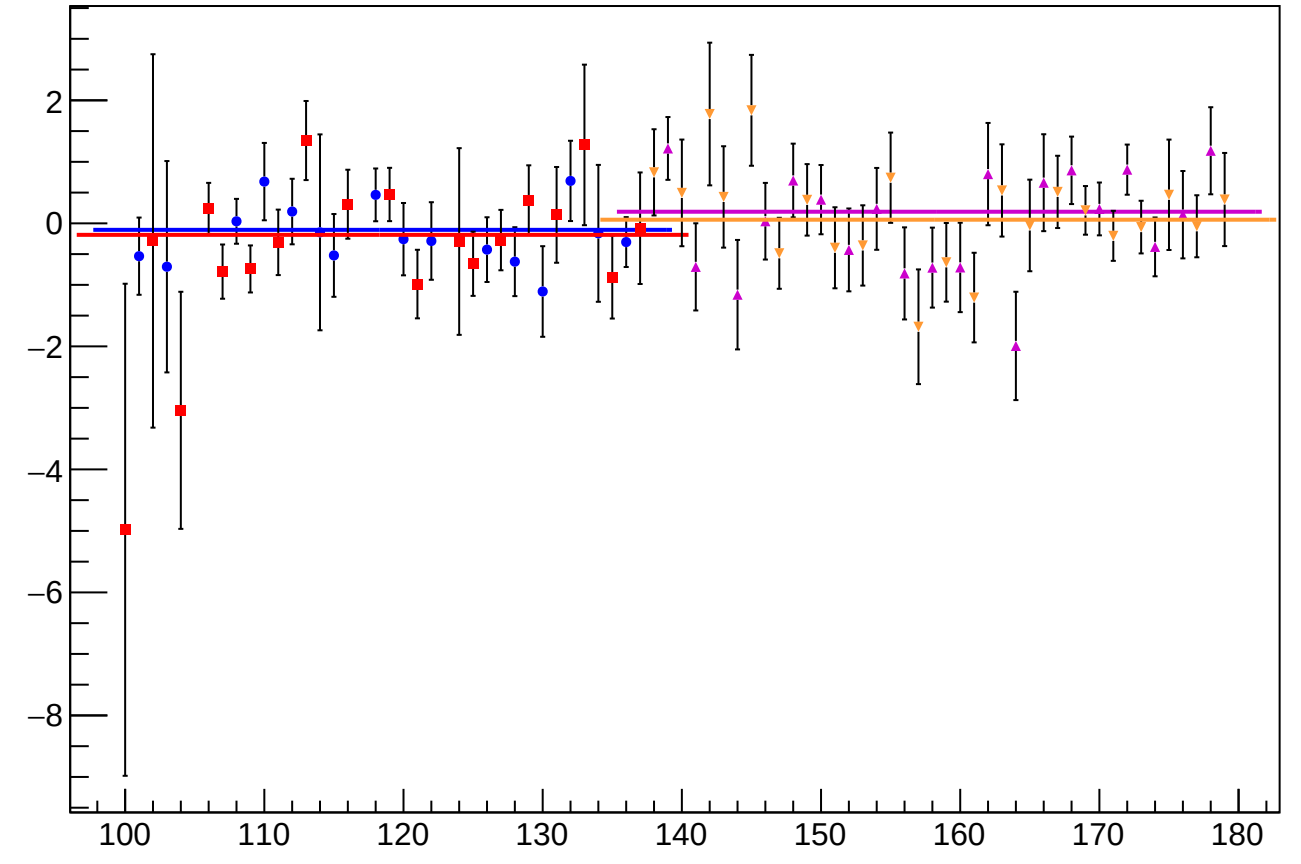
Right Out: 0.008+/-0.000 χ^2/NDF: 6740964.7/18

Left In: 0.013+/-0.000 χ^2/NDF:6330766.5/19

+ sign 0.013+/-0.000 χ^2/NDF: 15297766.4/37

All: 0.012+/-0.000 χ^2/NDF: 29982411.9/76

- sign 0.011+/-0.000 χ^2/NDF: 14353059.9/38



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.059+/-0.134 χ^2/NDF:20.5/21

Right Out: -0.187+/-0.137 χ^2/NDF: 23.9/18

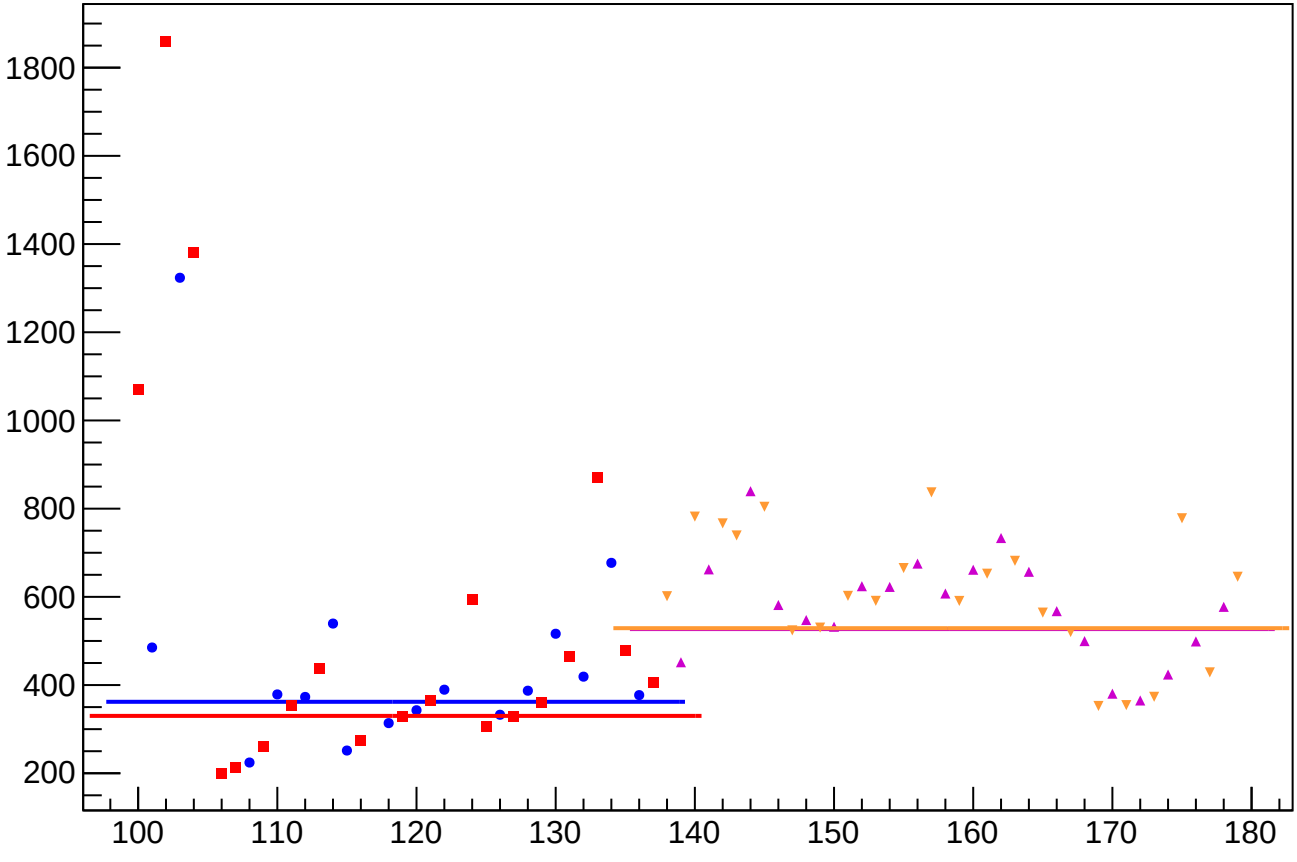
Left In: 0.189+/-0.137 χ^2/NDF:29.8/19

+ sign -0.017+/-0.098 χ^2/NDF: 30.9/37

All: -0.007+/-0.069 χ^2/NDF: 88.3/76

- sign 0.002+/-0.097 χ^2/NDF: 57.4/38

asym_atr2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 362.034+/-0.102 χ^2/NDF: 1377333.3/15

Left Out: 528.969+/-0.094 χ^2/NDF:2397758.1/21

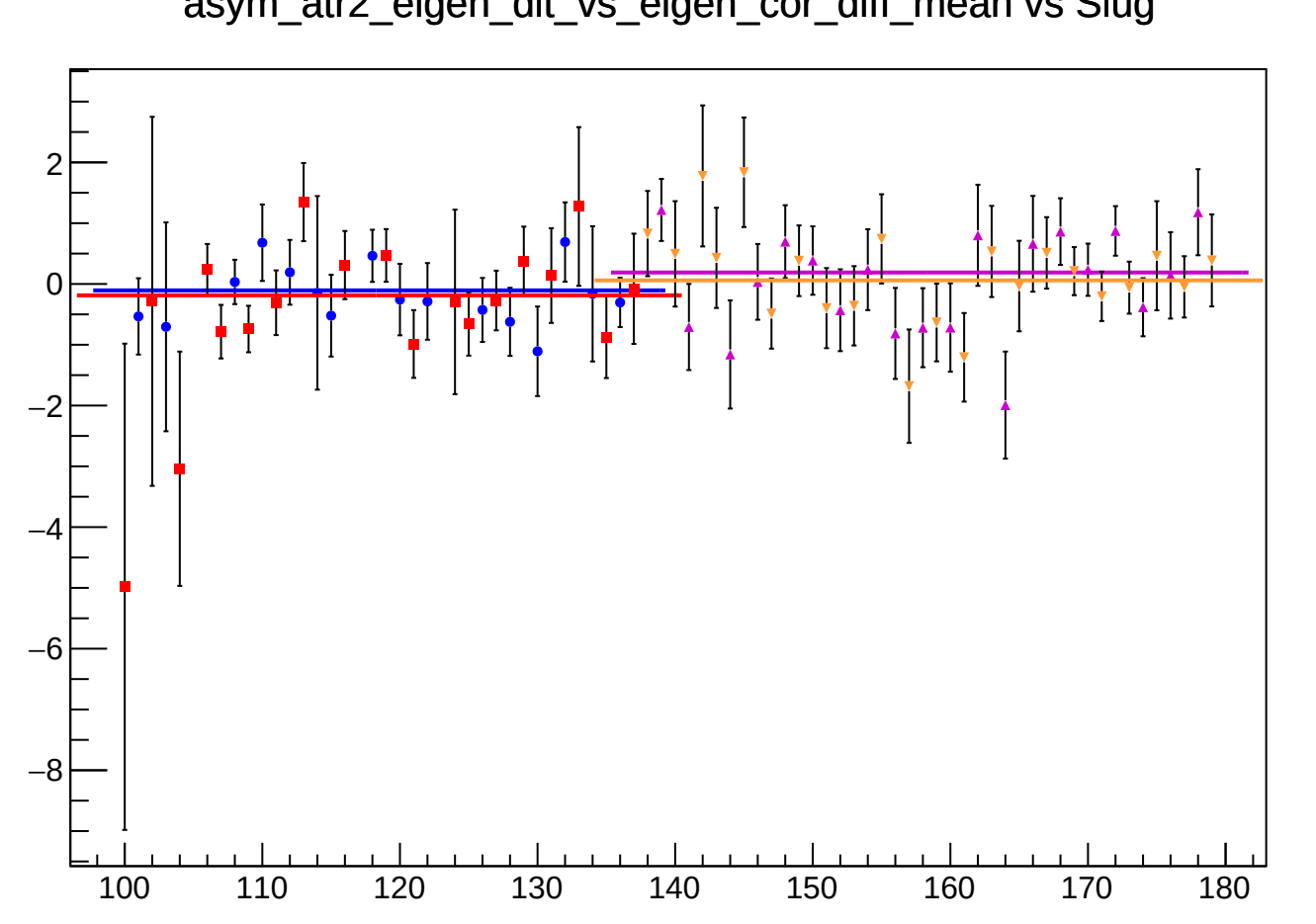
Right Out: 330.082+/-0.097 χ^2/NDF: 2246503.8/18

Left In: 526.935+/-0.097 χ^2/NDF:1473666.7/19

+ sign 452.171+/-0.069 χ^2/NDF: 5212687.2/37

All: 440.478+/-0.049 χ^2/NDF: 11053149.0/76

- sign 429.082+/-0.069 χ^2/NDF: 5784393.8/38



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.059+/-0.134 χ^2/NDF:20.5/21

Right Out: -0.187+/-0.137 χ^2/NDF: 23.9/18

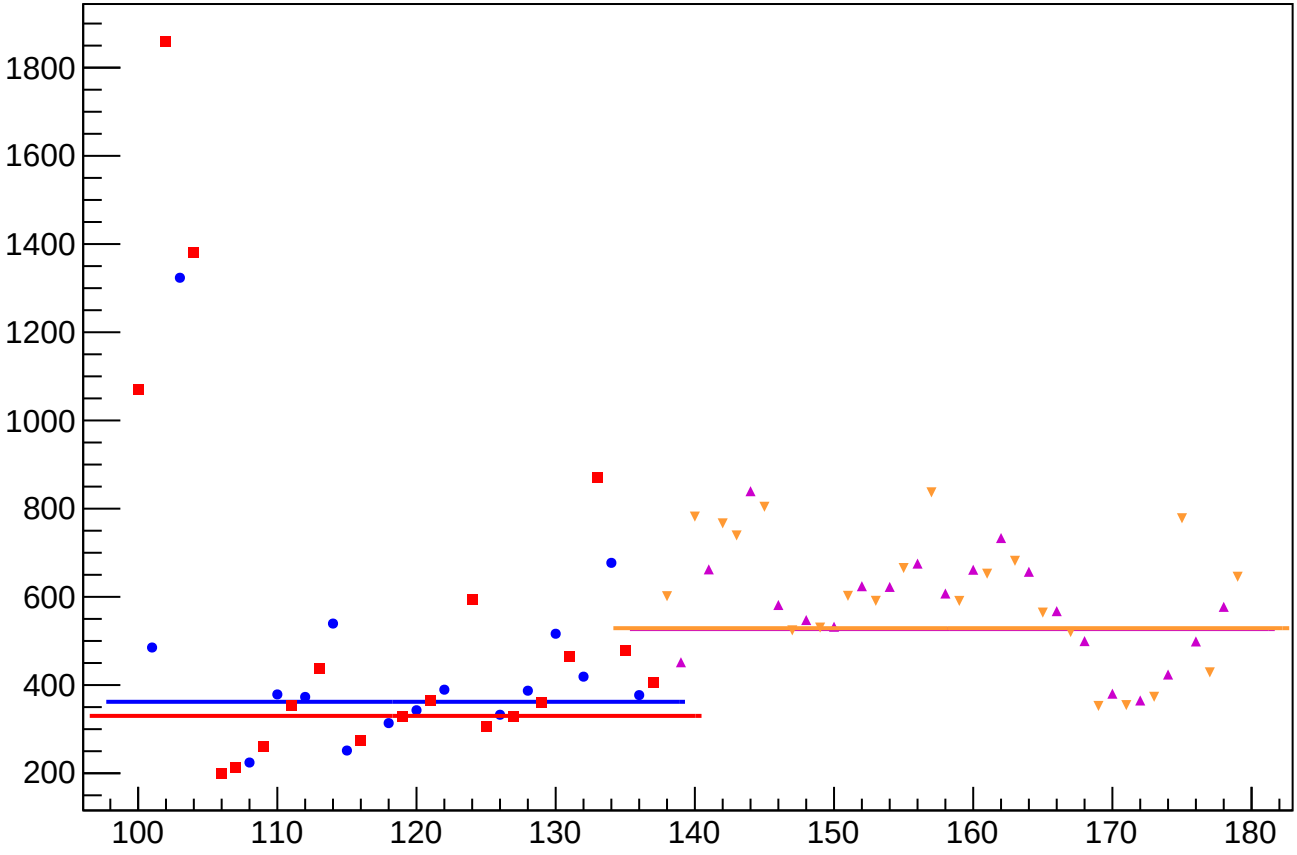
Left In: 0.189+/-0.137 χ^2/NDF:29.8/19

+ sign -0.017+/-0.098 χ^2/NDF: 30.9/37

All: -0.007+/-0.069 χ^2/NDF: 88.3/76

- sign 0.002+/-0.097 χ^2/NDF: 57.4/38

asym_atr2_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 362.034+/-0.102 χ^2/NDF: 1377333.3/15

Left Out: 528.969+/-0.094 χ^2/NDF:2397758.1/21

Right Out: 330.082+/-0.097 χ^2/NDF: 2246503.8/18

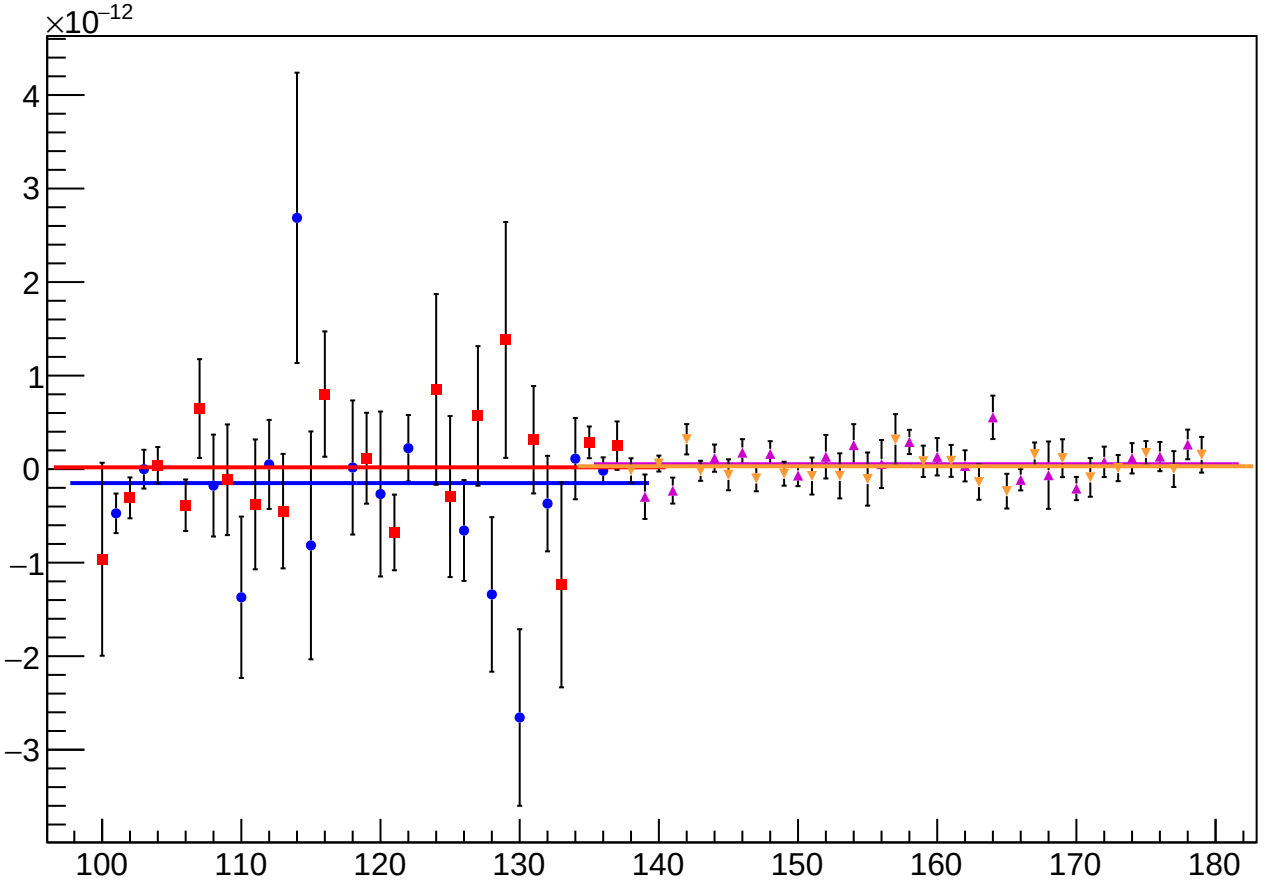
Left In: 526.935+/-0.097 χ^2/NDF:1473666.7/19

+ sign 452.171+/-0.069 χ^2/NDF: 5212687.2/37

All: 440.478+/-0.049 χ^2/NDF: 11053149.0/76

- sign 429.082+/-0.069 χ^2/NDF: 5784393.8/38

asym_atr2_eigen_cor_vs_cor_diff_mean vs Slug



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

Left Out: 0.000+/-0.000 χ^2/NDF:13.4/21

Right Out: 0.000+/-0.000 χ^2/NDF: 19.4/18

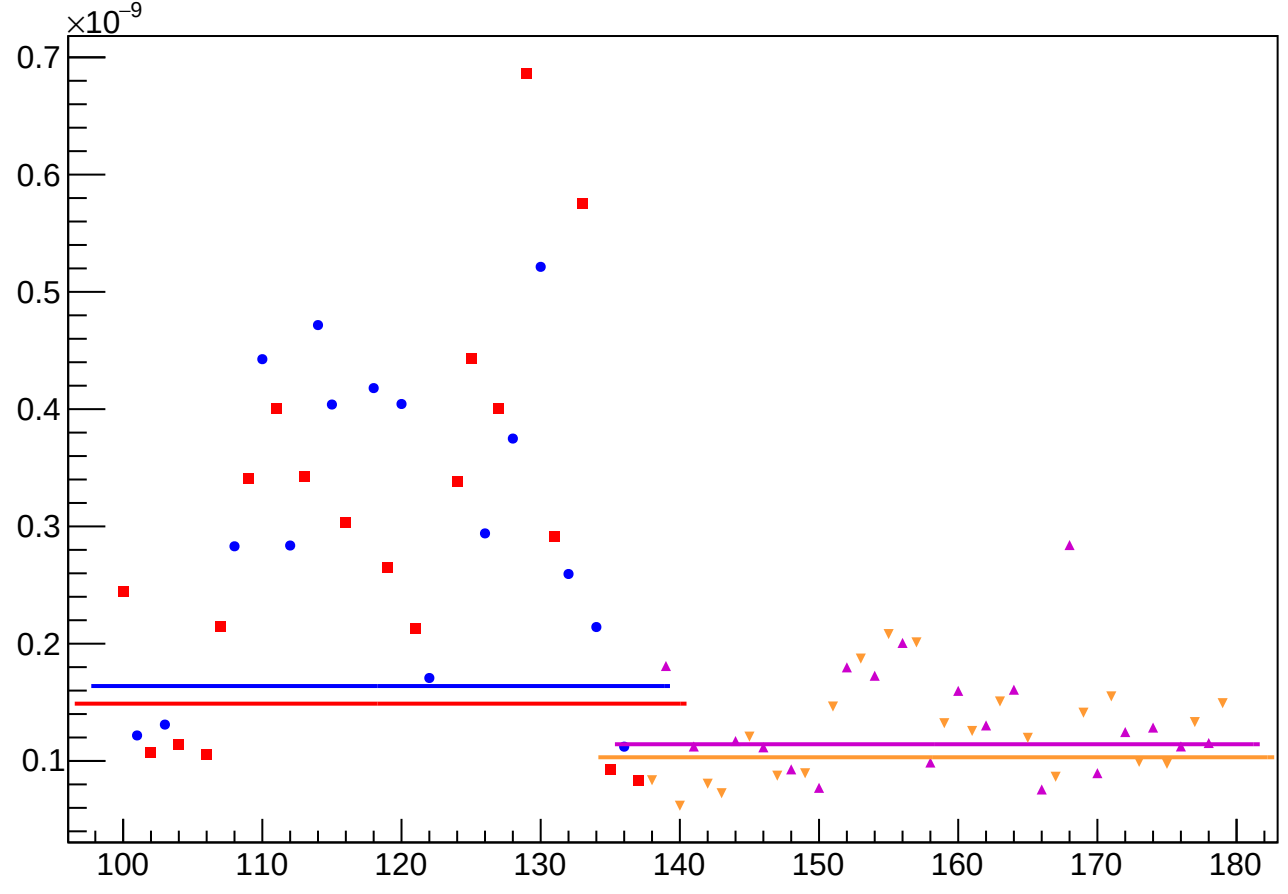
Left In: 0.000+/-0.000 χ^2/NDF:27.1/19

+ sign 0.000+/-0.000 χ^2/NDF: 38.3/37

All: 0.000+/-0.000 χ^2/NDF: 85.7/76

- sign 0.000+/-0.000 χ^2/NDF: 46.6/38

asym_atr2_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2011207.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:2302051.4/21

Right Out: 0.000+/-0.000 χ^2/NDF: 2846265.5/18

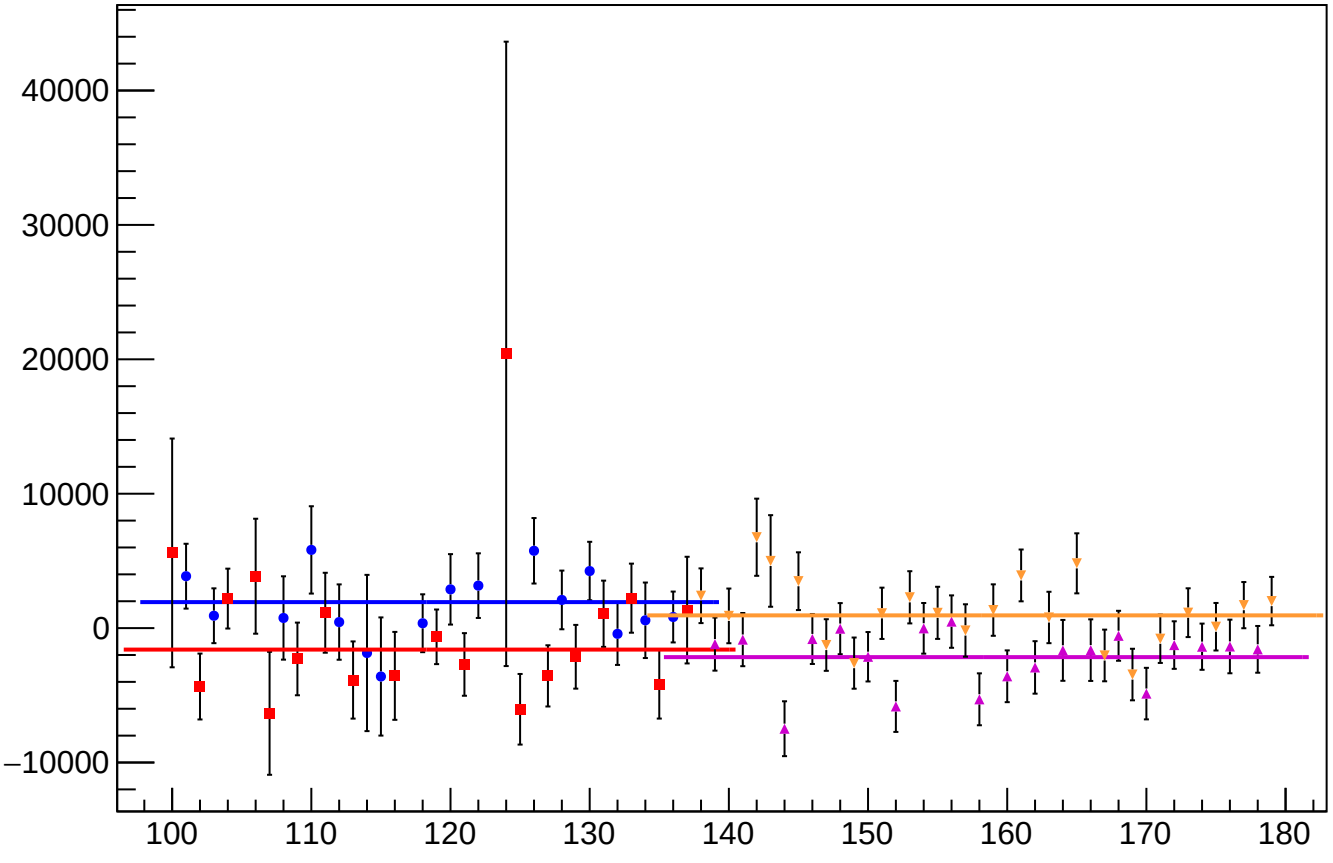
Left In: 0.000+/-0.000 χ^2/NDF:1954182.4/19

+ sign 0.000+/-0.000 χ^2/NDF: 5163866.3/37

All: 0.000+/-0.000 χ^2/NDF: 10336535.0/76

- sign 0.000+/-0.000 χ^2/NDF: 5091411.1/38

reg_asym_atl_avg_mean vs Slug



Right In: 1934.755+/-627.874 χ^2/NDF: 10.9/15

Left Out: 948.069+/-420.351 χ^2/NDF:27.9/21

Right Out: -1597.959+/-642.207 χ^2/NDF: 19.4/18

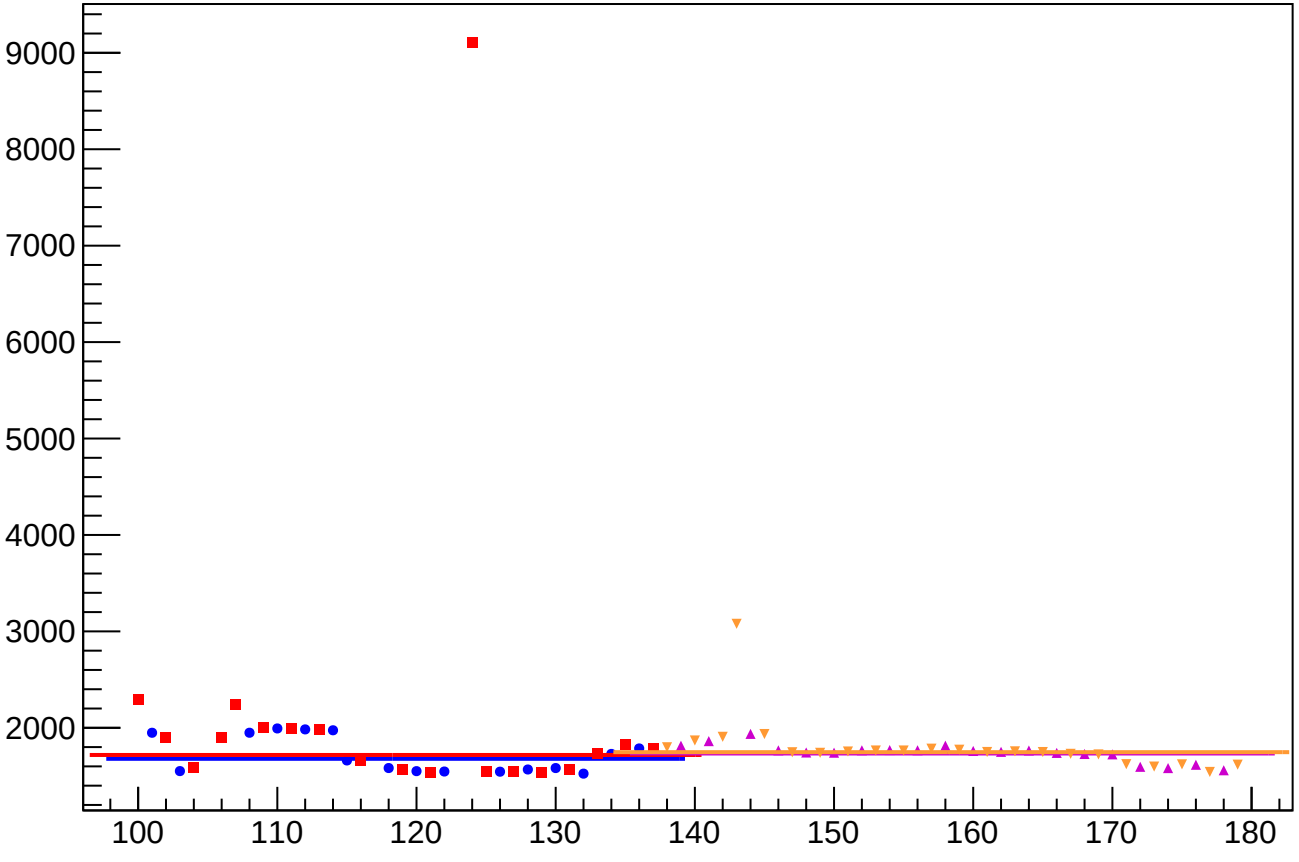
Left In: -2158.442+/-429.463 χ^2/NDF:23.0/19

+ sign 1253.439+/-349.298 χ^2/NDF: 40.5/37

All: -330.616+/-249.668 χ^2/NDF: 125.5/76

- sign -1985.247+/-356.995 χ^2/NDF: 42.9/38

reg_asym_atl_avg_rms vs Slug



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.6/15

Left Out: 1747.412+/-0.297 χ^2/NDF:409085.6/21

Right Out: 1718.312+/-0.452 χ^2/NDF: 383179.3/18

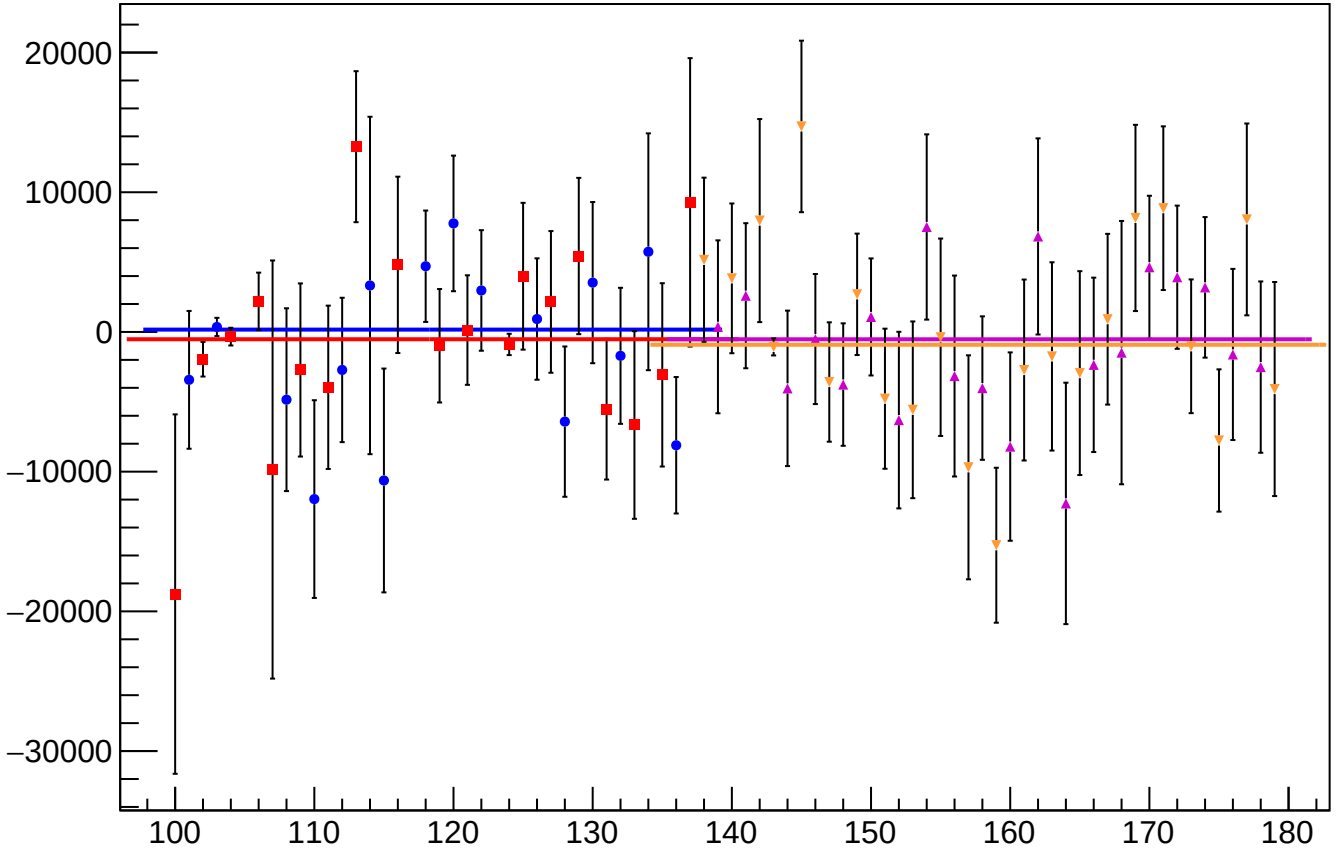
Left In: 1733.619+/-0.304 χ^2/NDF:93252.3/19

+ sign 1726.098+/-0.247 χ^2/NDF: 567183.6/37

All: 1727.450+/-0.176 χ^2/NDF: 1044466.6/76

- sign 1728.858+/-0.252 χ^2/NDF: 477221.9/38

asym_atl_avg_reg_correction_mean vs Slug



Right In: 168.283+/-591.607 χ^2/NDF: 15.8/15

Left Out: -916.180+/-550.710 χ^2/NDF:28.6/21

Right Out: -521.080+/-424.783 χ^2/NDF: 18.5/18

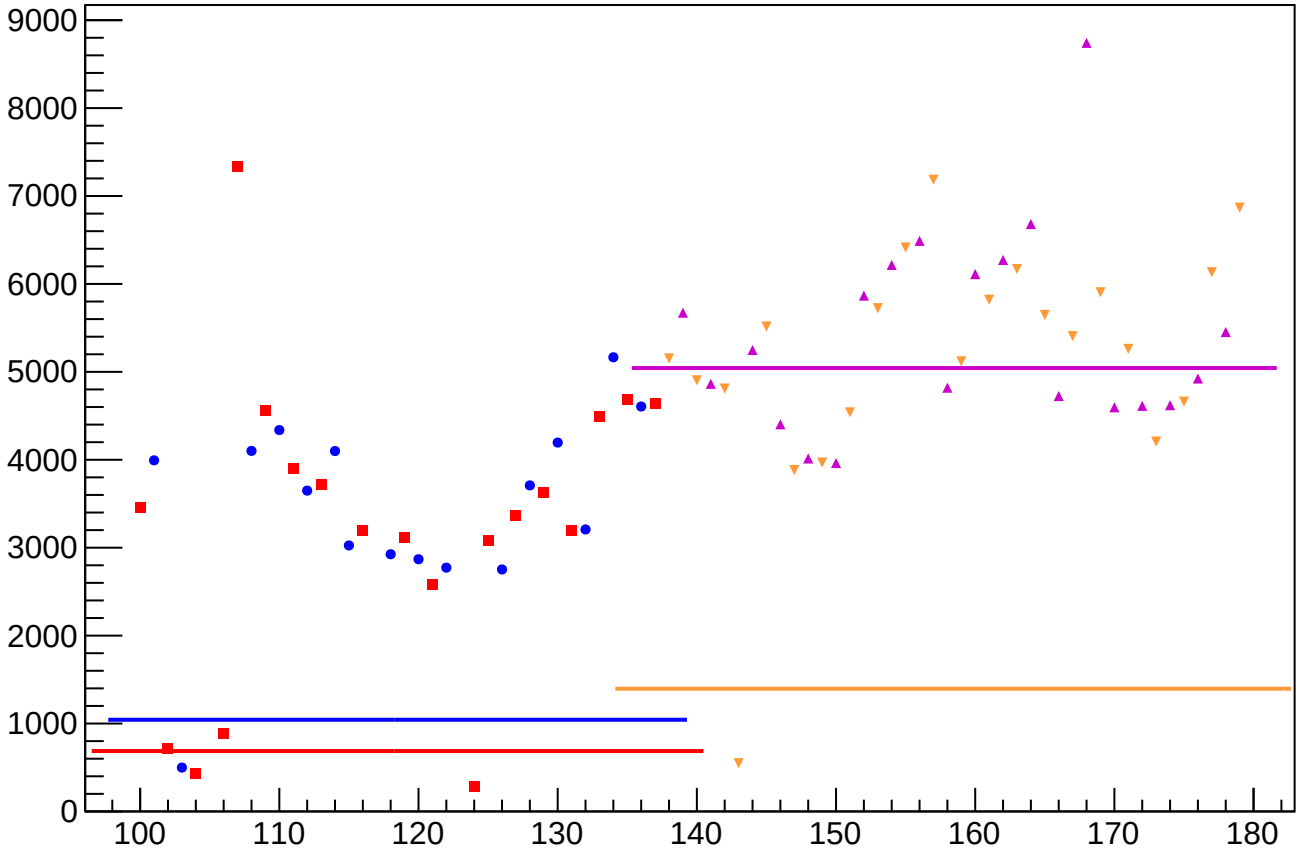
Left In: -524.868+/-1272.644 χ^2/NDF:11.2/19

+ sign -412.724+/-403.094 χ^2/NDF: 46.2/37

All: -467.114+/-284.973 χ^2/NDF: 76.0/76

- sign -521.460+/-402.930 χ^2/NDF: 29.7/38

asym_atl_avg_reg_correction_rms vs Slug



Right In: 1043.117+/-0.418 χ^2/NDF: 8111897.6/15

Left Out: 1396.129+/-0.389 χ^2/NDF:21672936.9/21

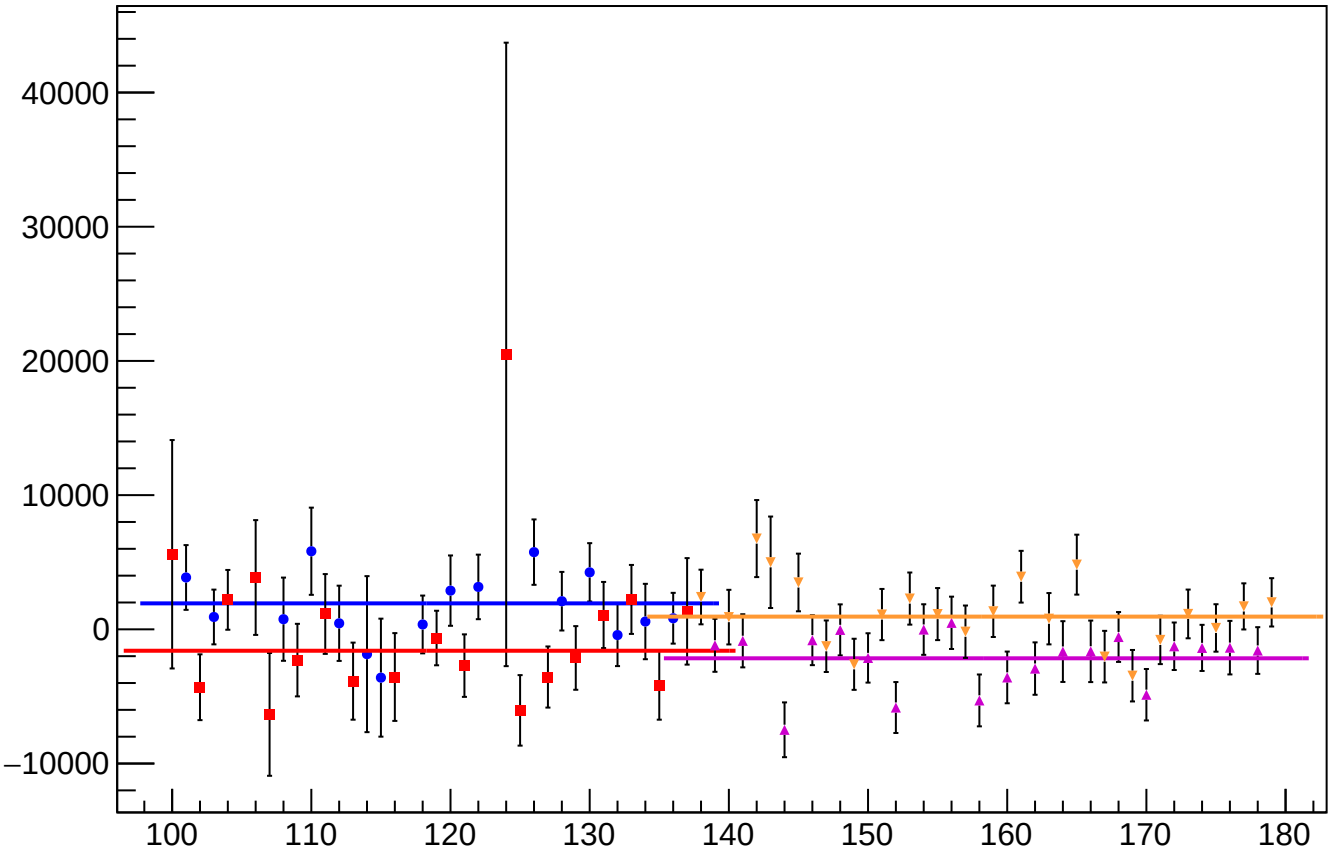
Right Out: 687.329+/-0.300 χ^2/NDF: 8631529.6/18

Left In: 5043.526+/-0.900 χ^2/NDF:1037982.3/19

\+ sign 1232.245+/-0.285 χ^2/NDF: 30166346.9/37

All: 1178.100+/-0.202 χ^2/NDF: 60992196.9/7

\- sign 1123.999+/-0.285 χ^2/NDF: 30753708.6/38



Right In: 1934.871+/-627.874 χ^2/NDF: 10.9/15

Left Out: 948.027+/-420.351 χ^2/NDF:27.9/21

Right Out: -1595.521+/-642.212 χ^2/NDF: 19.4/18

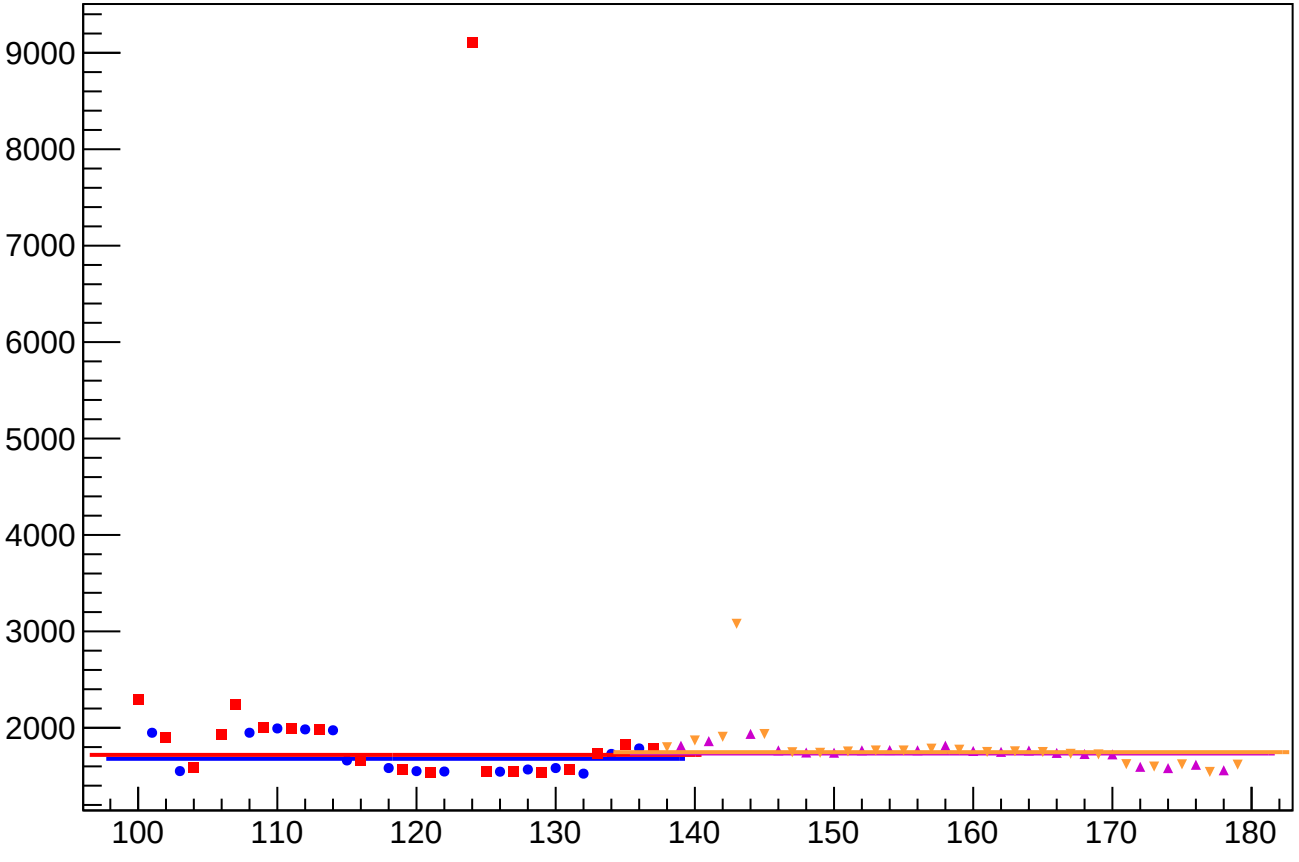
Left In: -2158.463+/-429.463 χ^2/NDF:23.0/19

+ sign 1253.446+/-349.298 χ^2/NDF: 40.5/37

All: -330.248+/-249.668 χ^2/NDF: 125.4/76

- sign -1984.509+/-356.996 χ^2/NDF: 42.9/38

cor_asym_atl_avg_rms vs Slug



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.7/15

Left Out: 1747.413+/-0.297 χ^2/NDF:409085.6/21

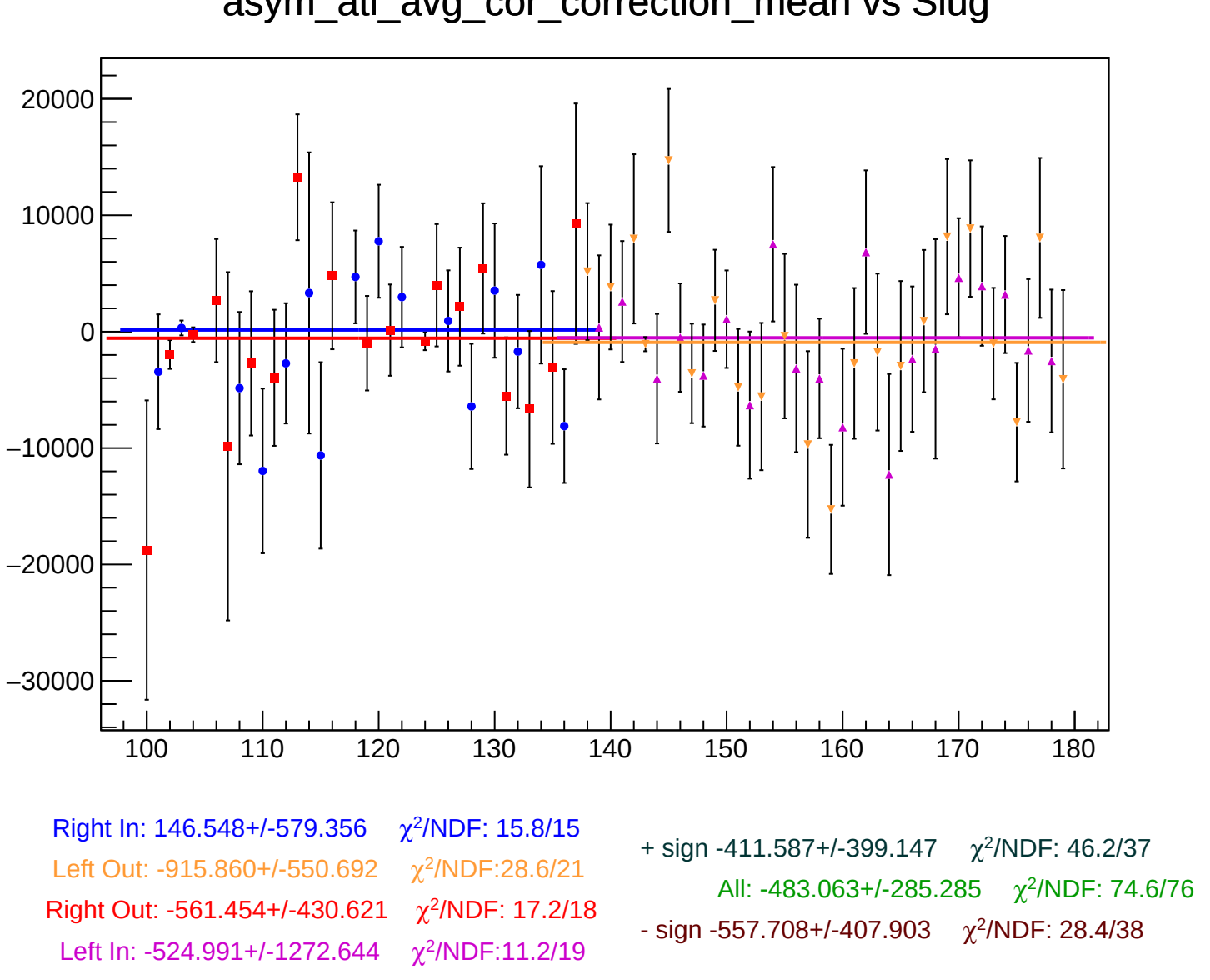
Right Out: 1719.146+/-0.452 χ^2/NDF: 384922.3/18

Left In: 1733.619+/-0.304 χ^2/NDF:93252.3/19

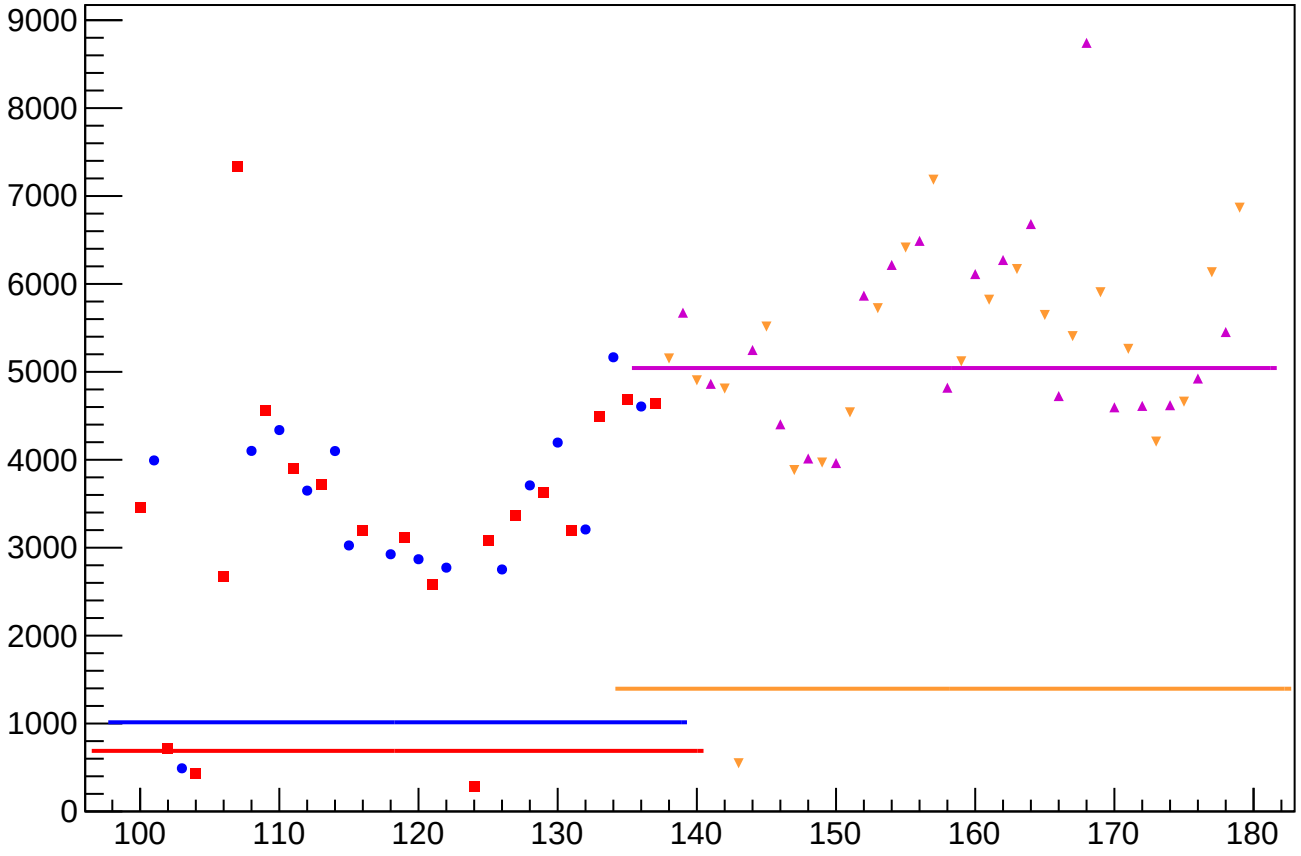
+ sign 1726.098+/-0.247 χ^2/NDF: 567183.7/37

All: 1727.578+/-0.176 χ^2/NDF: 1046137.7/76

- sign 1729.121+/-0.252 χ^2/NDF: 478880.6/38


asym_atl_avg_cor_correction_mean vs Slug
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
170
180
Right In: 146.548+/-579.356 χ²/NDF: 15.8/15
Left Out: -915.860+/-550.692 χ²/NDF:28.6/21
Right Out: -561.454+/-430.621 χ²/NDF: 17.2/18
Left In: -524.991+/-1272.644 χ²/NDF:11.2/19
+ sign -411.587+/-399.147 χ²/NDF: 46.2/37
All: -483.063+/-285.285 χ²/NDF: 74.6/76
- sign -557.708+/-407.903 χ²/NDF: 28.4/38

asym_atl_avg_cor_correction_rms vs Slug



Right In: 1014.094+/-0.410 χ^2/NDF: 8223017.6/15

Left Out: 1396.054+/-0.389 χ^2/NDF:21673468.9/21

Right Out: 689.055+/-0.304 χ^2/NDF: 8910364.4/18

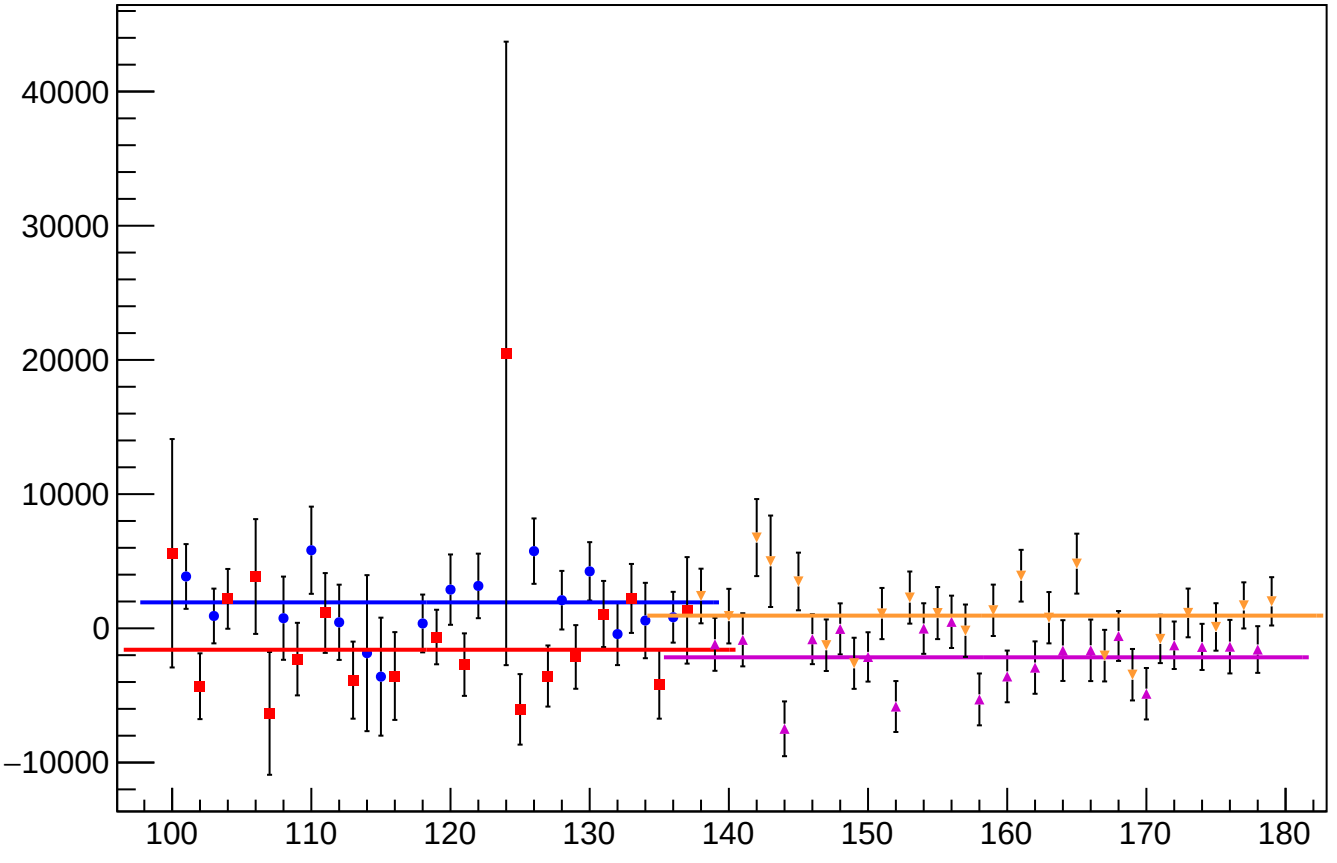
Left In: 5043.522+/-0.900 χ^2/NDF:1038001.1/19

+ sign 1214.756+/-0.282 χ^2/NDF: 30353175.7/37

All: 1176.424+/-0.202 χ^2/NDF: 61348439.0/7

- sign 1136.392+/-0.288 χ^2/NDF: 30957554.3/38

eigen_cor_asym_atl_avg_mean vs Slug



Right In: 1934.871+/-627.874 χ^2/NDF: 10.9/15

Left Out: 948.027+/-420.351 χ^2/NDF:27.9/21

Right Out: -1595.521+/-642.212 χ^2/NDF: 19.4/18

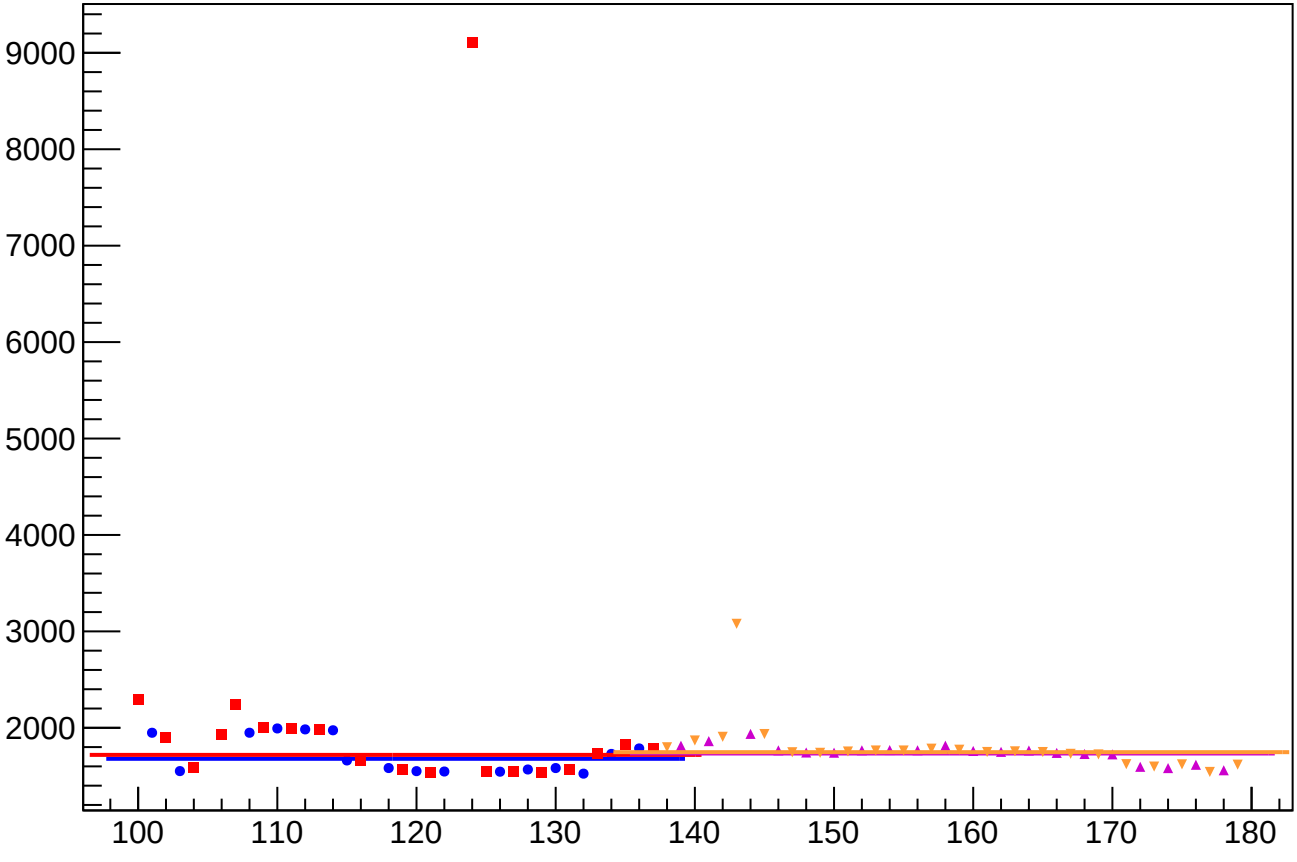
Left In: -2158.463+/-429.463 χ^2/NDF:23.0/19

+ sign 1253.446+/-349.298 χ^2/NDF: 40.5/37

All: -330.248+/-249.668 χ^2/NDF: 125.4/76

- sign -1984.509+/-356.996 χ^2/NDF: 42.9/38

eigen_cor_asym_atl_avg_rms vs Slug



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.7/15

Left Out: 1747.413+/-0.297 χ^2/NDF:409085.6/21

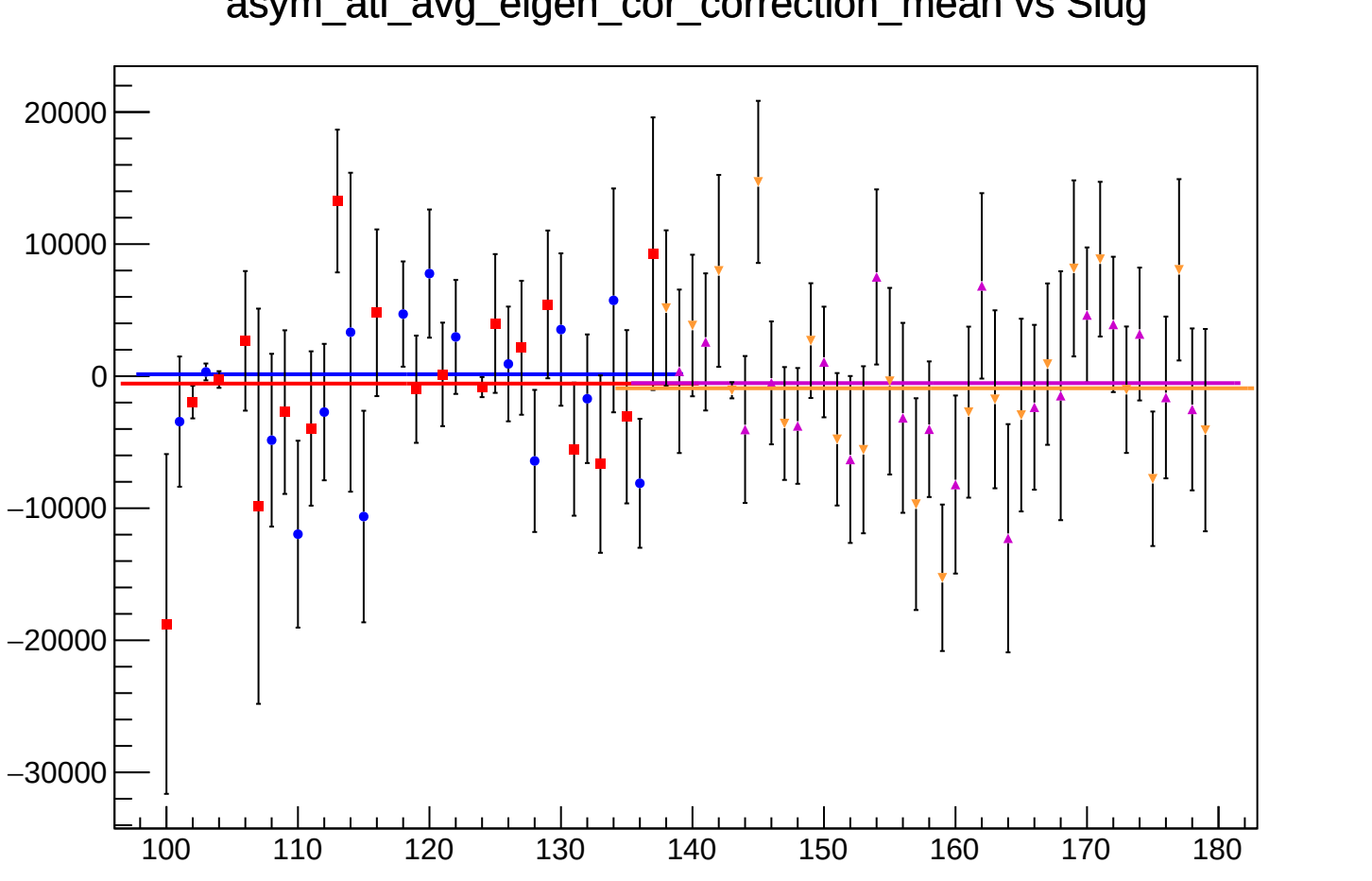
Right Out: 1719.146+/-0.452 χ^2/NDF: 384922.3/18

Left In: 1733.619+/-0.304 χ^2/NDF:93252.3/19

+ sign 1726.098+/-0.247 χ^2/NDF: 567183.7/37

All: 1727.578+/-0.176 χ^2/NDF: 1046137.7/76

- sign 1729.121+/-0.252 χ^2/NDF: 478880.6/38



Right In: 146.548+/-579.356 χ^2/NDF: 15.8/15

Left Out: -915.860+/-550.692 χ^2/NDF:28.6/21

Right Out: -561.454+/-430.621 χ^2/NDF: 17.2/18

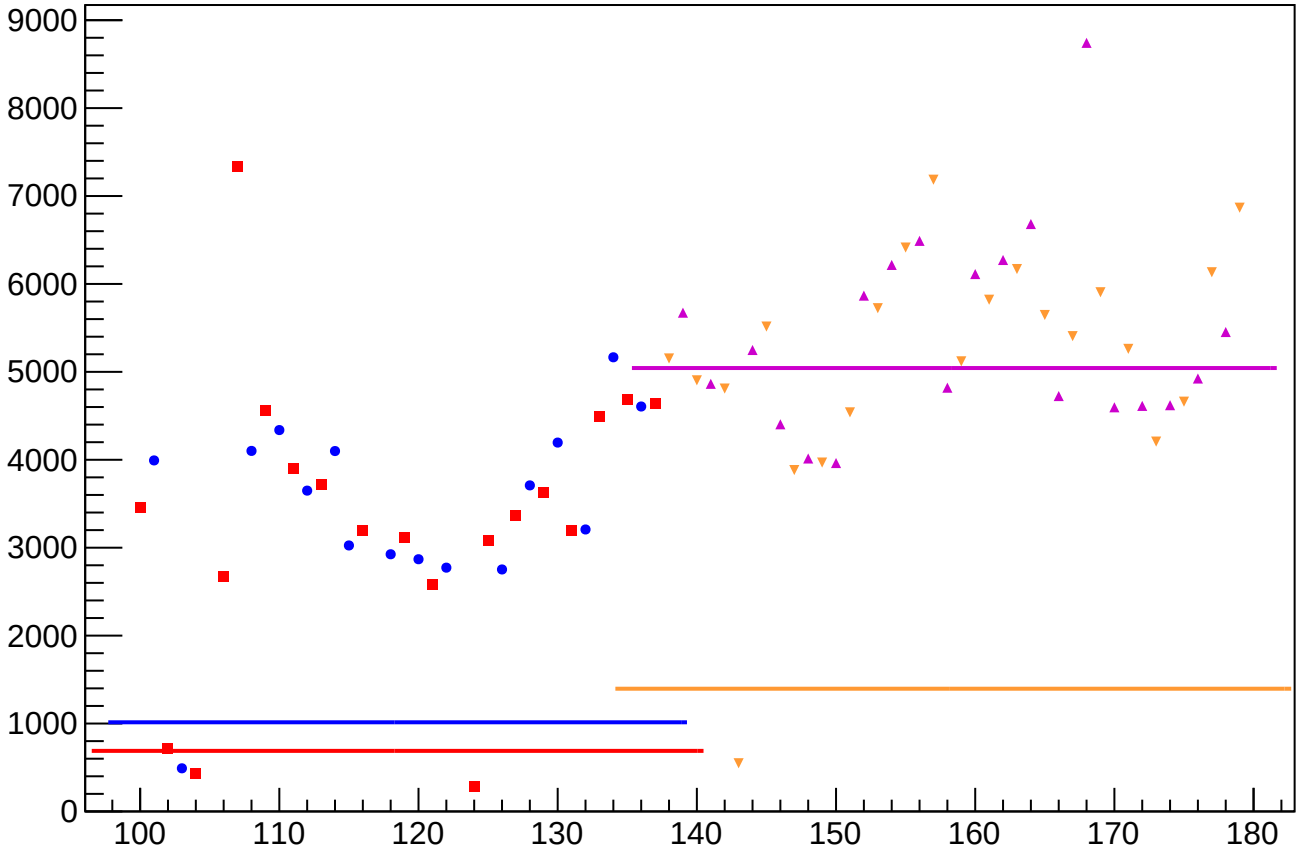
Left In: -524.991+/-1272.644 χ^2/NDF:11.2/19

\+ sign -411.587+/-399.147 χ^2/NDF: 46.2/37

All: -483.063+/-285.285 χ^2/NDF: 74.6/76

\- sign -557.708+/-407.903 χ^2/NDF: 28.4/38

asym_atl_avg_eigen_cor_correction_rms vs Slug



Right In: 1014.094+/-0.410 χ^2/NDF: 8223017.6/15

Left Out: 1396.054+/-0.389 χ^2/NDF:21673468.9/21

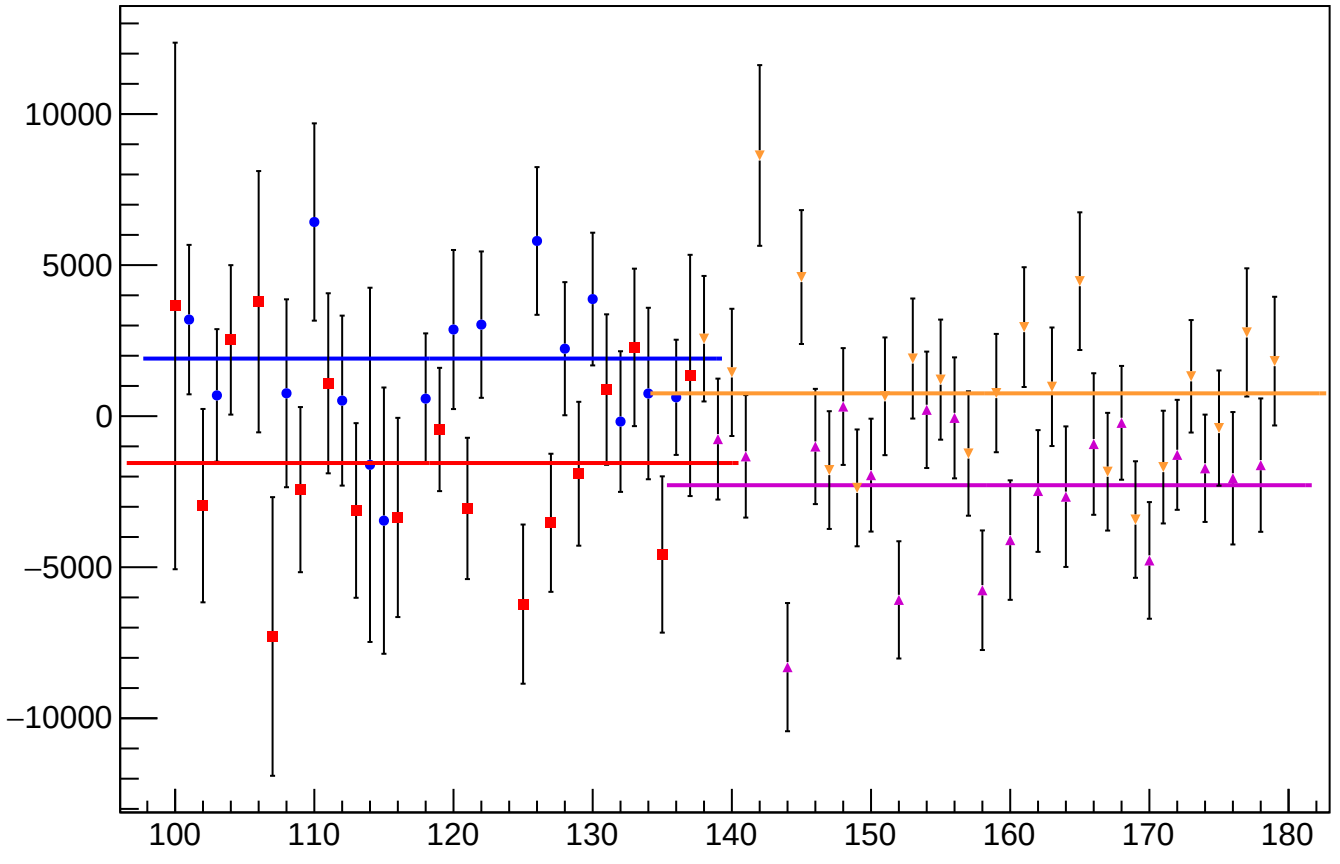
Right Out: 689.055+/-0.304 χ^2/NDF: 8910364.4/18

Left In: 5043.522+/-0.900 χ^2/NDF:1038001.1/19

+ sign 1214.756+/-0.282 χ^2/NDF: 30353175.7/37

All: 1176.424+/-0.202 χ^2/NDF: 61348439.0/7

- sign 1136.392+/-0.288 χ^2/NDF: 30957554.3/38



Right In: 1906.205+/-636.433 χ^2/NDF: 10.2/15

Left Out: 755.253+/-442.709 χ^2/NDF:30.1/20

Right Out: -1550.986+/-661.054 χ^2/NDF: 17.5/17

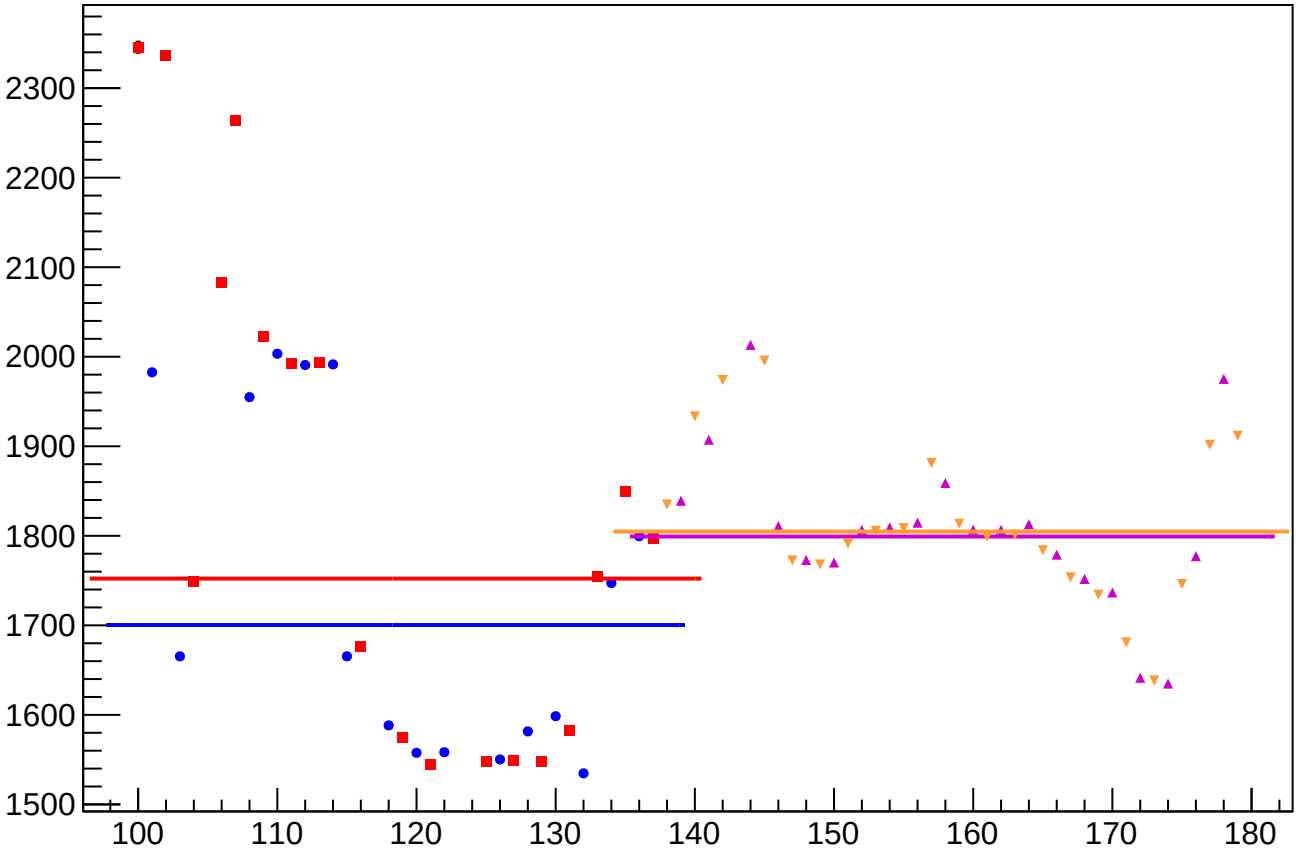
Left In: -2285.602+/-445.679 χ^2/NDF:25.6/19

+ sign 1130.564+/-363.429 χ^2/NDF: 42.6/36

All: -436.179+/-259.116 χ^2/NDF: 124.2/74

- sign -2056.037+/-369.538 χ^2/NDF: 43.9/37

dit_asym_atl_avg_rms vs Slug



Right In: 1700.357+/-0.450 χ^2/NDF: 135419.2/15

Left Out: 1804.783+/-0.313 χ^2/NDF:73436.7/20

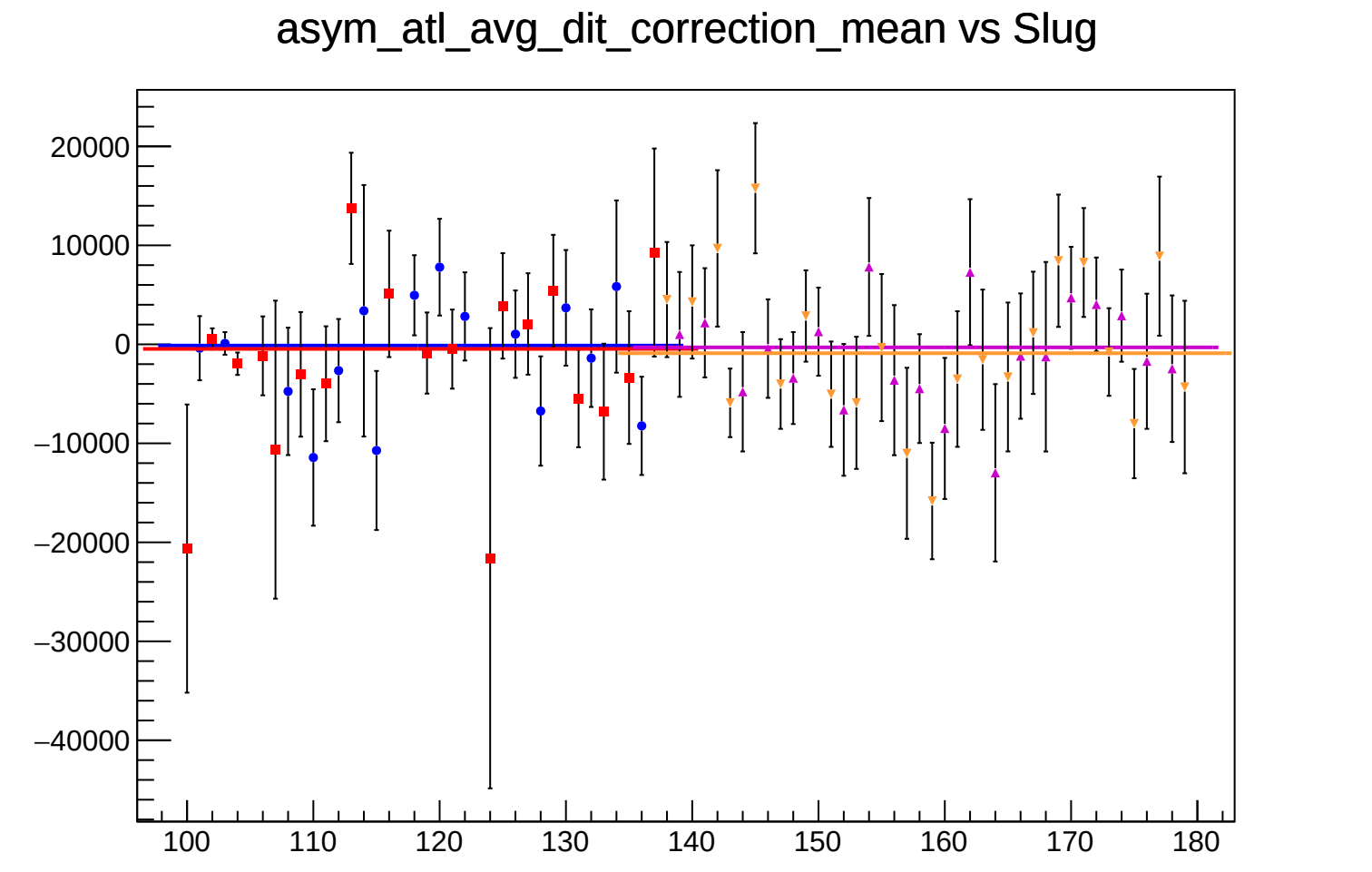
Right Out: 1752.239+/-0.466 χ^2/NDF: 247952.8/17

Left In: 1799.210+/-0.315 χ^2/NDF:78463.5/19

+ sign 1770.731+/-0.257 χ^2/NDF: 245142.5/36

All: 1777.499+/-0.183 χ^2/NDF: 579932.3/74

- sign 1784.486+/-0.261 χ^2/NDF: 333380.3/37



Right In: -125.468+/-867.645 χ^2/NDF: 15.1/15

Left Out: -896.052+/-1240.817 χ^2/NDF:30.5/21

Right Out: -459.431+/-679.157 χ^2/NDF: 18.5/18

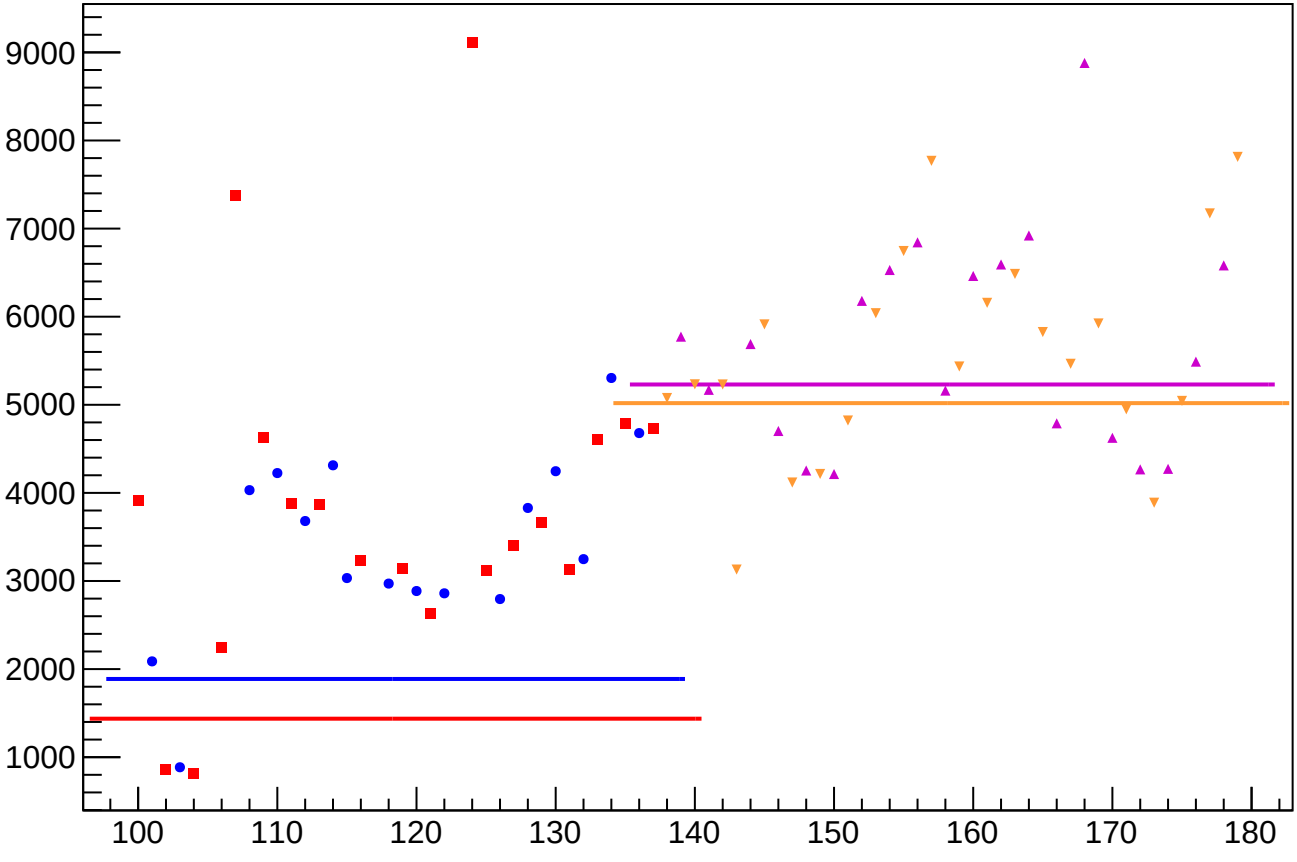
Left In: -305.209+/-1323.524 χ^2/NDF:11.2/19

+ sign -378.518+/-711.052 χ^2/NDF: 45.8/37

All: -406.836+/-460.446 χ^2/NDF: 75.5/76

- sign -427.286+/-604.246 χ^2/NDF: 29.7/38

asym_atl_avg_dit_correction_rms vs Slug



Right In: 1887.999+/-0.614 χ^2/NDF: 4425691.6/15

Left Out: 5018.874+/-0.877 χ^2/NDF:1837456.8/21

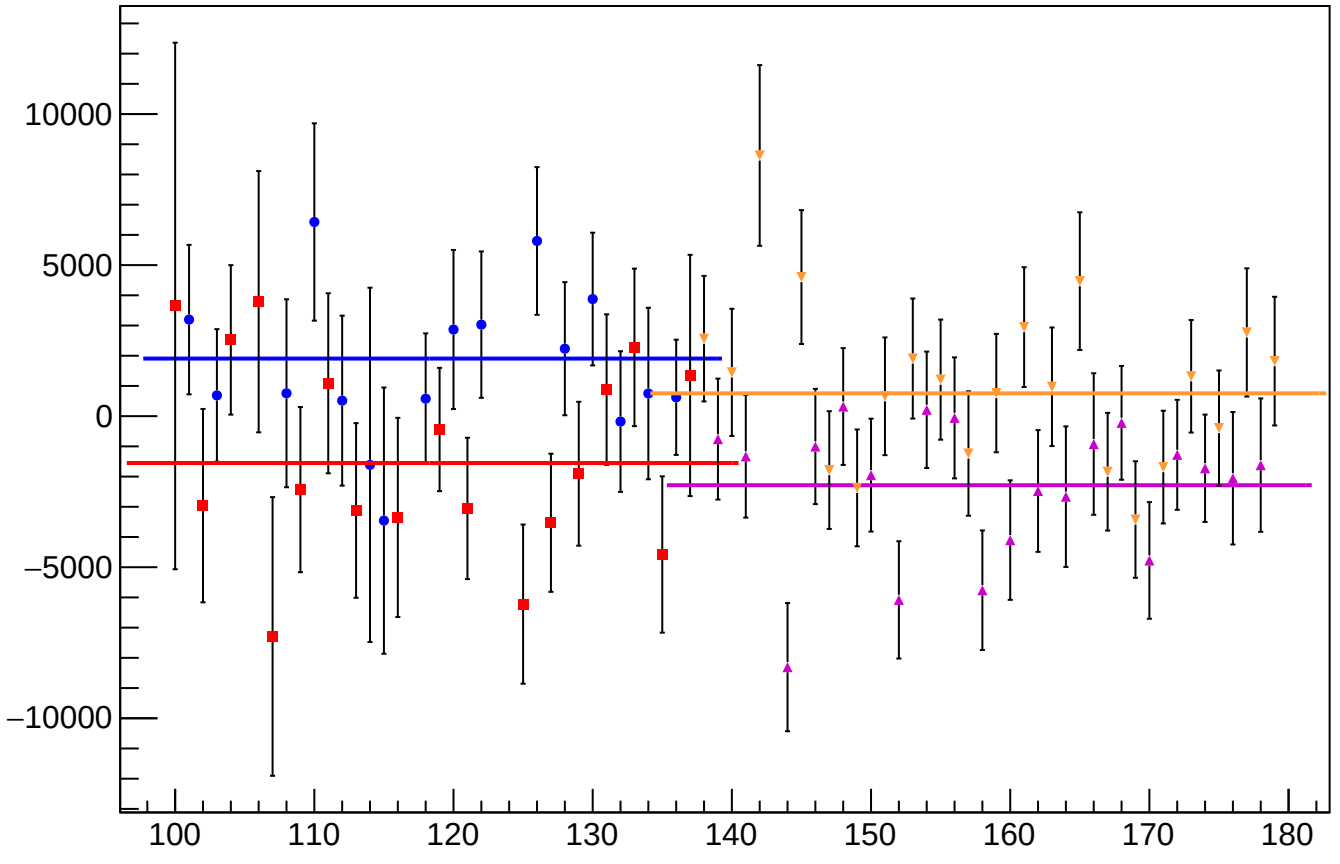
Right Out: 1437.108+/-0.480 χ^2/NDF: 5964193.5/18

Left In: 5230.472+/-0.936 χ^2/NDF:1206997.1/19

+ sign 2916.141+/-0.503 χ^2/NDF: 14815088.3/37

All: 2516.422+/-0.326 χ^2/NDF: 36079514.6/7

- sign 2227.767+/-0.427 χ^2/NDF: 20175982.7/38



Right In: 1906.203+/-636.433 χ^2/NDF: 10.2/15

Left Out: 755.249+/-442.709 χ^2/NDF:30.1/20

Right Out: -1550.983+/-661.054 χ^2/NDF: 17.5/17

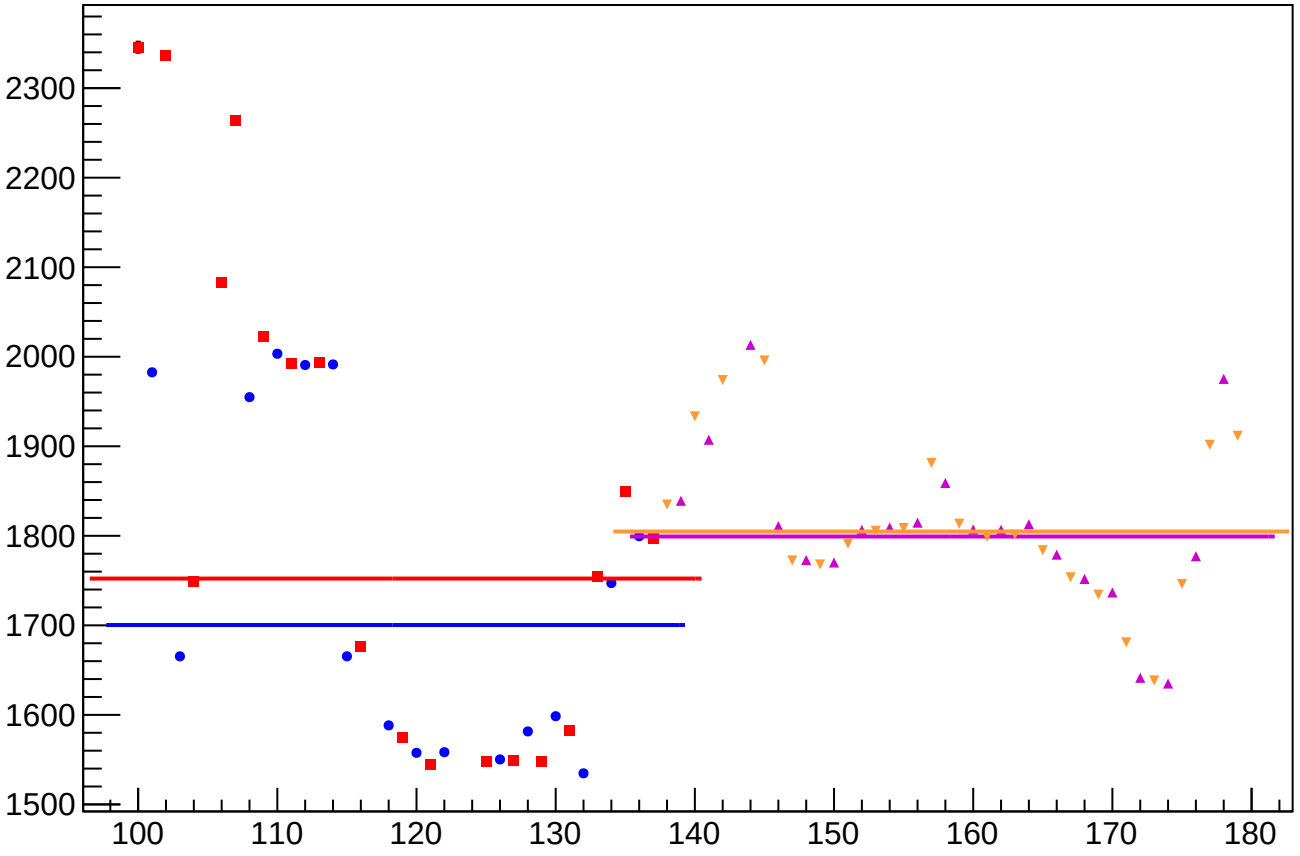
Left In: -2285.604+/-445.679 χ^2/NDF:25.6/19

+ sign 1130.561+/-363.429 χ^2/NDF: 42.6/36

All: -436.181+/-259.116 χ^2/NDF: 124.2/74

- sign -2056.037+/-369.538 χ^2/NDF: 43.9/37

eigen_dit_asym_atl_avg_rms vs Slug



Right In: 1700.357+/-0.450 χ^2/NDF: 135419.5/15

Left Out: 1804.784+/-0.313 χ^2/NDF:73440.4/20

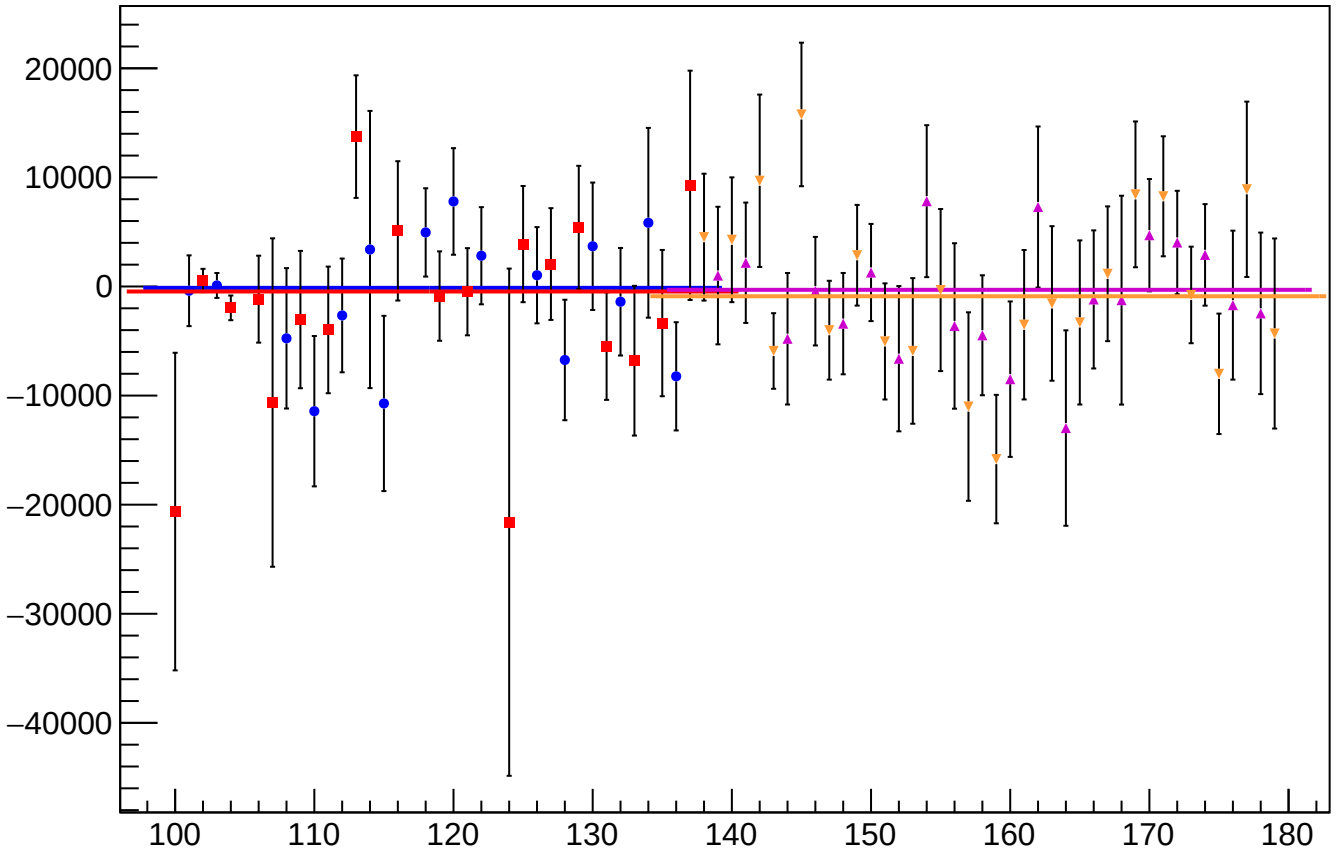
Right Out: 1752.238+/-0.466 χ^2/NDF: 247952.3/17

Left In: 1799.211+/-0.315 χ^2/NDF:78466.7/19

+ sign 1770.732+/-0.257 χ^2/NDF: 245147.5/36

All: 1777.499+/-0.183 χ^2/NDF: 579940.4/74

- sign 1784.486+/-0.261 χ^2/NDF: 333383.4/37



Right In: -125.464+/-867.639 χ^2/NDF: 15.1/15

Left Out: -896.058+/-1240.819 χ^2/NDF:30.5/21

Right Out: -459.430+/-679.152 χ^2/NDF: 18.5/18

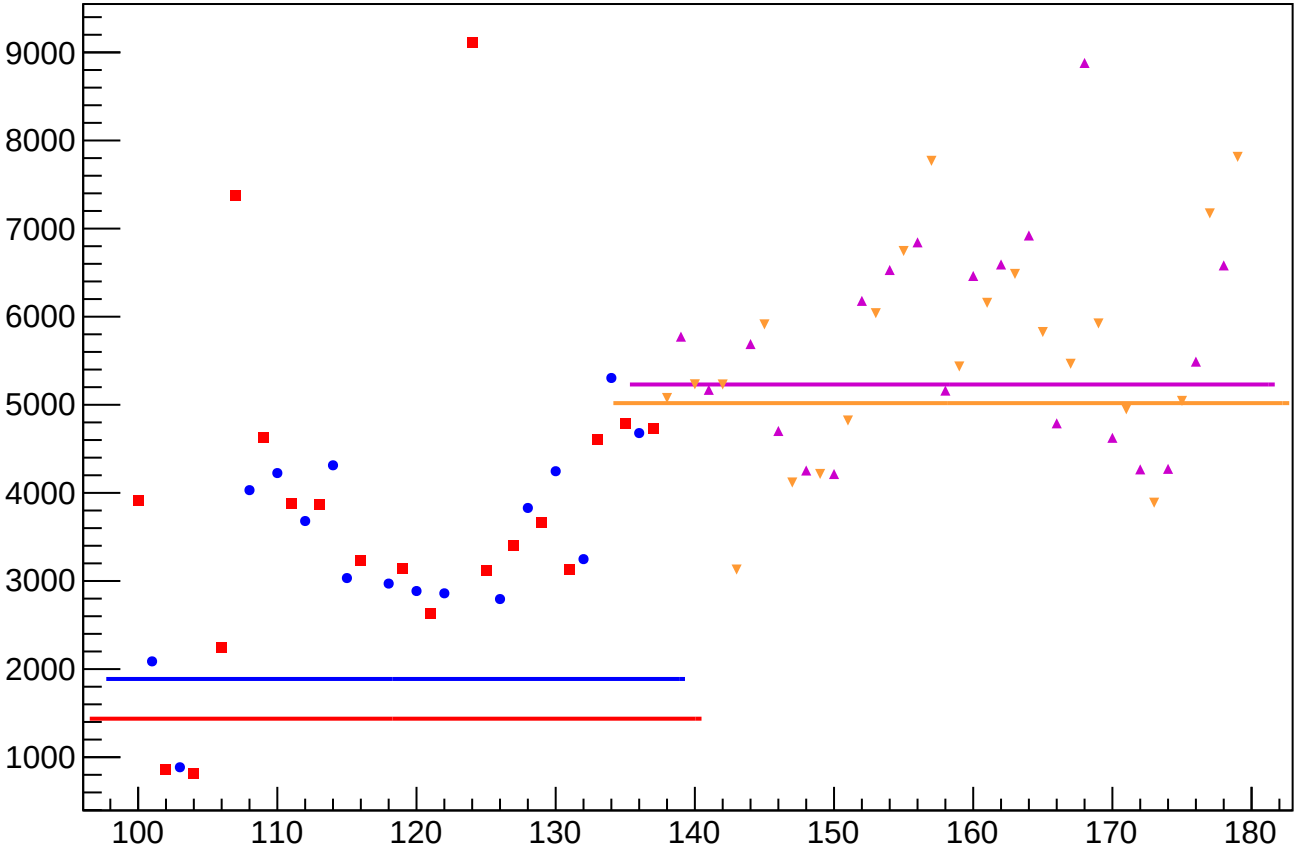
Left In: -305.210+/-1323.526 χ^2/NDF:11.2/19

+ sign -378.515+/-711.049 χ^2/NDF: 45.8/37

All: -406.835+/-460.444 χ^2/NDF: 75.5/76

- sign -427.286+/-604.243 χ^2/NDF: 29.7/38

asym_atl_avg_eigen_dit_correction_rms vs Slug



Right In: 1887.982+/-0.614 χ^2/NDF: 4425728.6/15

Left Out: 5018.882+/-0.877 χ^2/NDF:1837463.6/21

Right Out: 1437.095+/-0.480 χ^2/NDF: 5964228.2/18

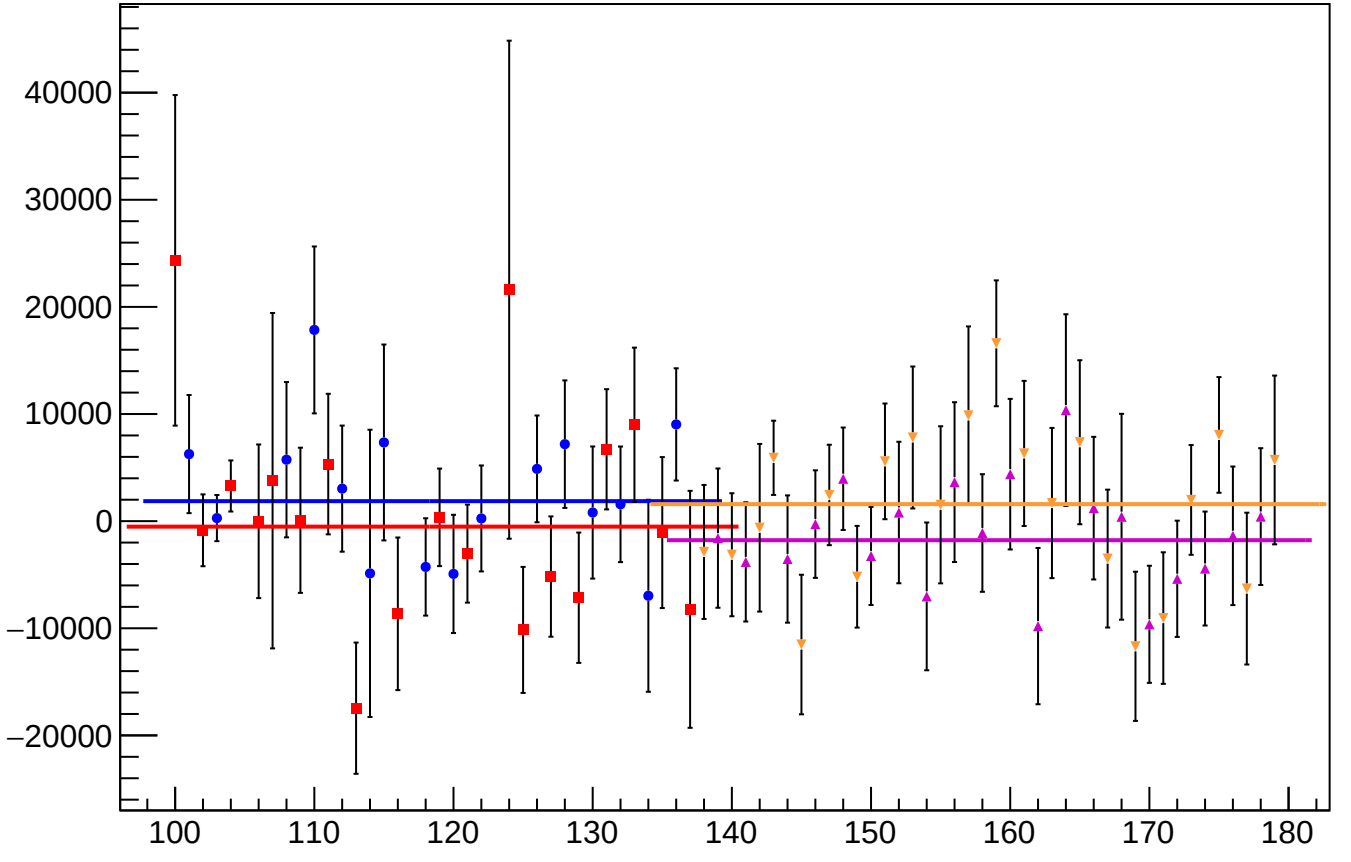
Left In: 5230.481+/-0.936 χ^2/NDF:1206998.0/19

+ sign 2916.121+/-0.503 χ^2/NDF: 14815281.0/37

All: 2516.401+/-0.326 χ^2/NDF: 36079913.0/7

- sign 2227.746+/-0.427 χ^2/NDF: 20176176.7/38

asym_atl_avg_mean vs Slug



Right In: 1866.618+/-1259.187 χ^2/NDF: 13.8/15

Left Out: 1588.445+/-1262.826 χ^2/NDF:29.2/21

Right Out: -512.528+/-1241.513 χ^2/NDF: 24.7/18

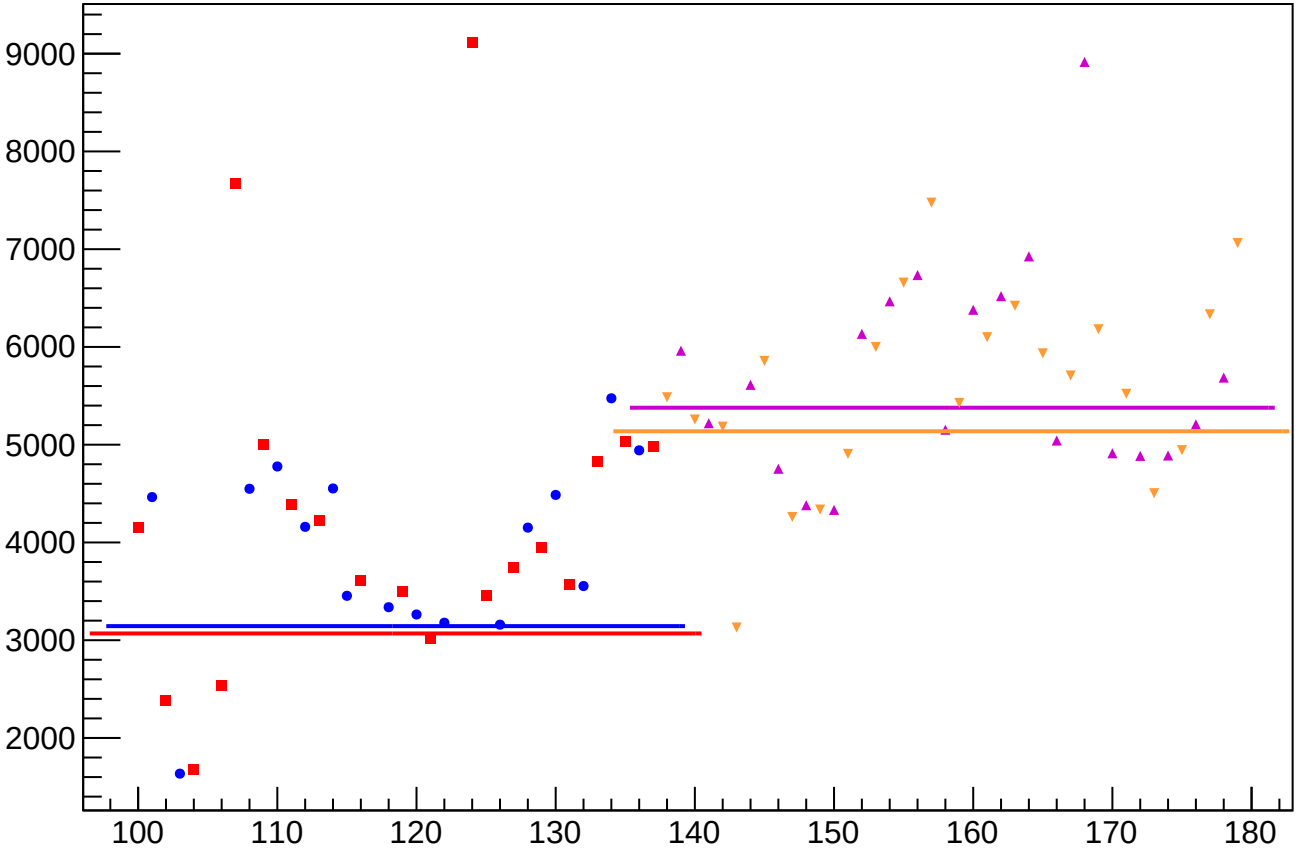
Left In: -1777.366+/-1352.538 χ^2/NDF:10.1/19

+ sign 1727.933+/-891.664 χ^2/NDF: 43.0/37

All: 354.327+/-638.462 χ^2/NDF: 83.1/76

- sign -1090.911+/-914.618 χ^2/NDF: 35.2/38

asym_atl_avg_rms vs Slug



Right In: 3144.136+/-0.890 χ^2/NDF: 1883139.2/15

Left Out: 5137.264+/-0.893 χ^2/NDF:1524174.1/21

Right Out: 3069.098+/-0.864 χ^2/NDF: 1881644.6/18

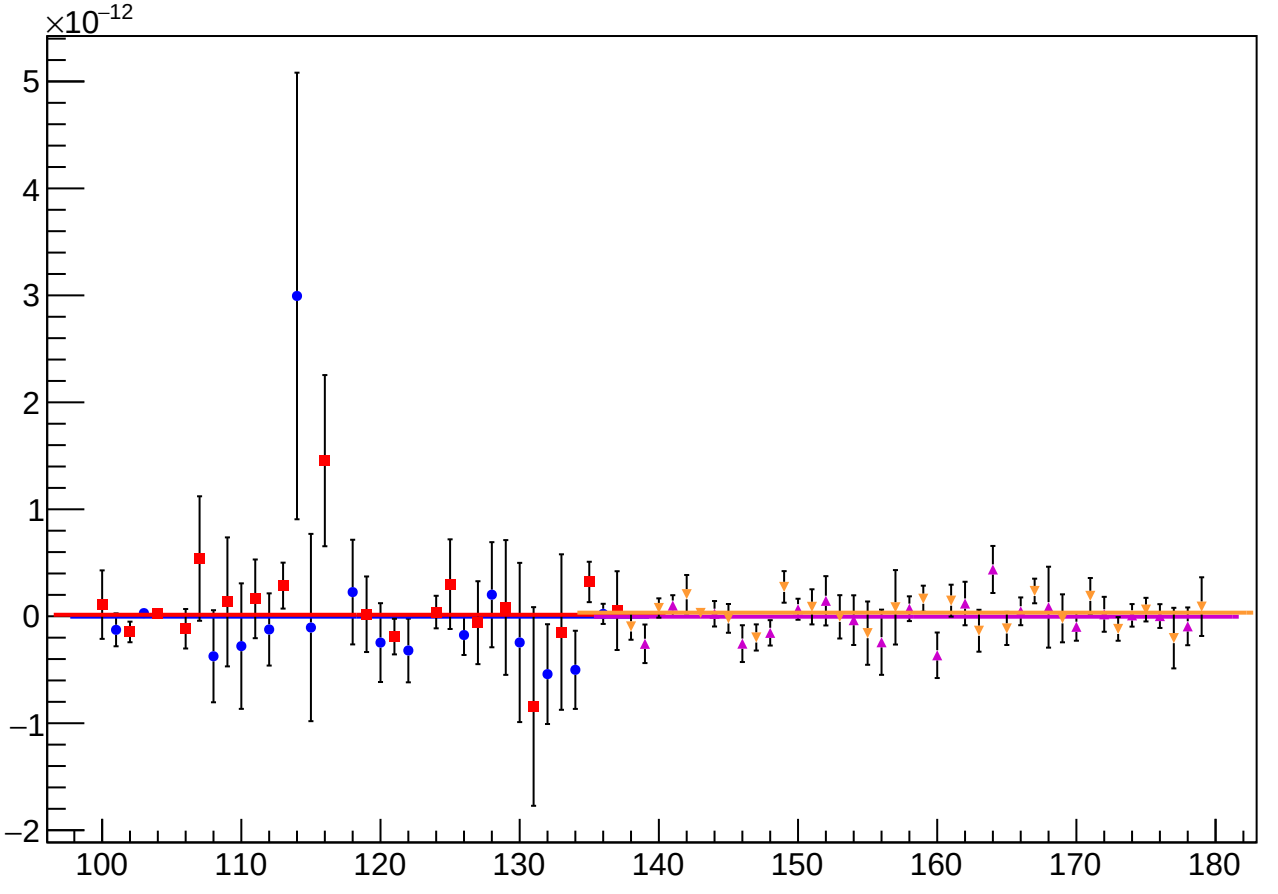
Left In: 5378.139+/-0.956 χ^2/NDF:868102.2/19

+ sign 4137.822+/-0.631 χ^2/NDF: 5905561.5/37

All: 4122.671+/-0.450 χ^2/NDF: 11865380.1/7

- sign 4107.001+/-0.641 χ^2/NDF: 5958643.9/38

asym_atl_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 10.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.3/21

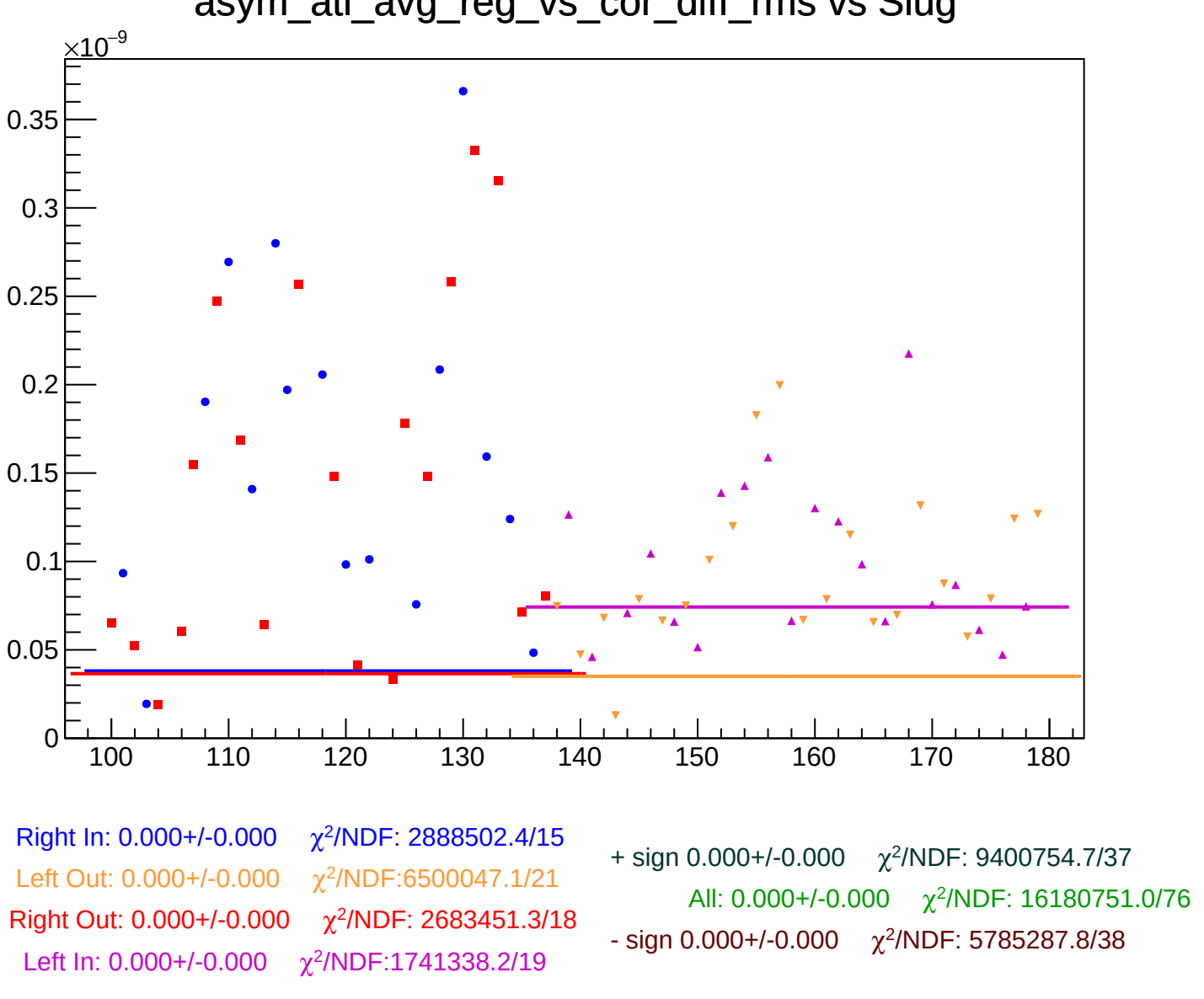
Right Out: 0.000+/-0.000 χ^2/NDF: 14.9/18

Left In: -0.000+/-0.000 χ^2/NDF:17.2/19

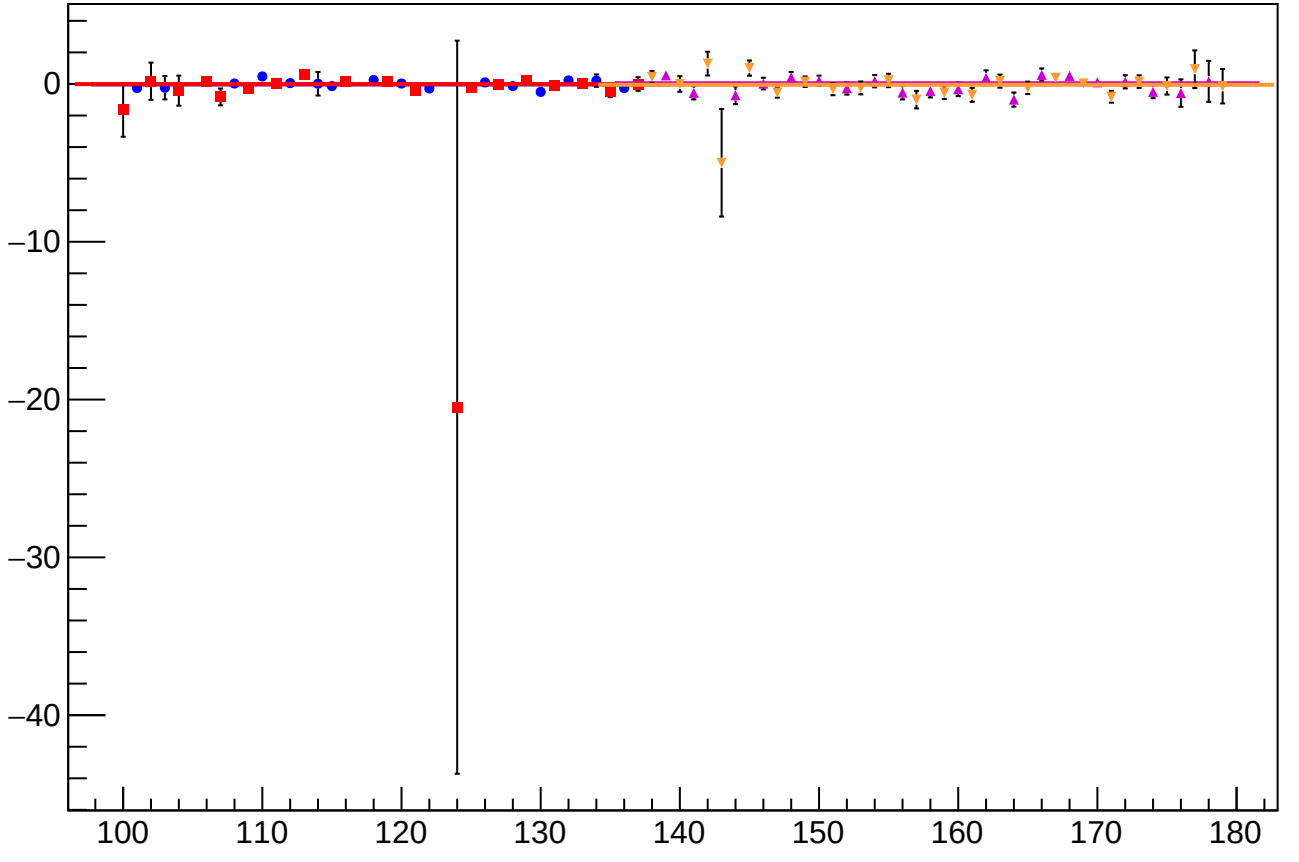
+ sign 0.000+/-0.000 χ^2/NDF: 30.9/37

All: 0.000+/-0.000 χ^2/NDF: 63.7/76

- sign 0.000+/-0.000 χ^2/NDF: 32.3/38


asym_atl_avg_reg_vs_cor_diff_rms vs Slug
×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
180
Right In: 0.000+/-0.000 χ²/NDF: 2888502.4/15
Left Out: 0.000+/-0.000 χ²/NDF:6500047.1/21
Right Out: 0.000+/-0.000 χ²/NDF: 2683451.3/18
Left In: 0.000+/-0.000 χ²/NDF:1741338.2/19
+ sign 0.000+/-0.000 χ²/NDF: 9400754.7/37
All: 0.000+/-0.000 χ²/NDF: 16180751.0/76
- sign 0.000+/-0.000 χ²/NDF: 5785287.8/38

asym_atl_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: -0.052+/-0.086 χ^2/NDF:30.2/21

Right Out: -0.011+/-0.057 χ^2/NDF: 21.8/18

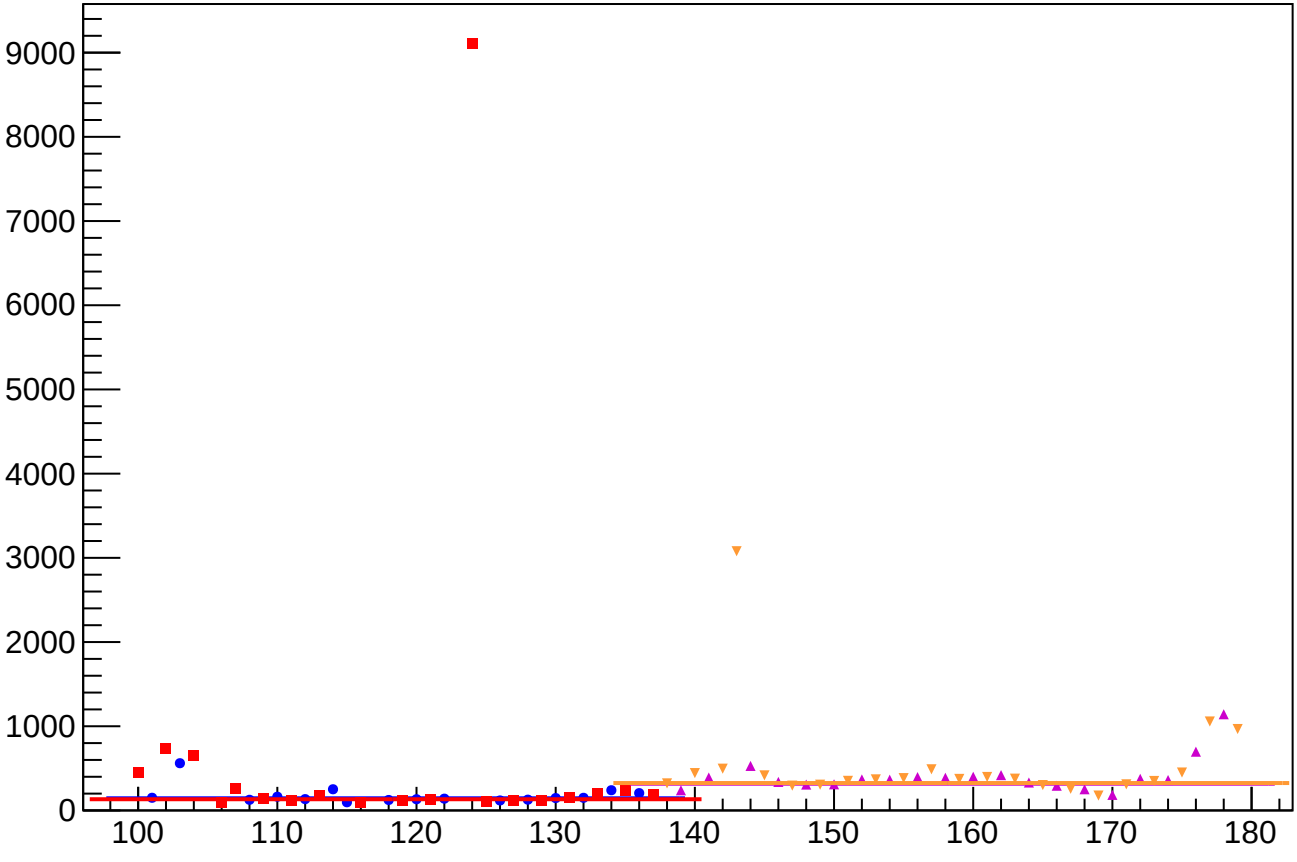
Left In: 0.046+/-0.084 χ^2/NDF:26.3/19

+ sign -0.036+/-0.048 χ^2/NDF: 47.5/37

All: -0.014+/-0.034 χ^2/NDF: 96.3/76

- sign 0.007+/-0.047 χ^2/NDF: 48.4/38

asym_atl_avg_dit_vs_cor_diff_rms vs Slug



Right In: 144.291+/-0.041 χ^2/NDF: 1128779.2/15

Left Out: 325.519+/-0.061 χ^2/NDF:4762227.7/21

Right Out: 133.253+/-0.040 χ^2/NDF: 2220645.6/18

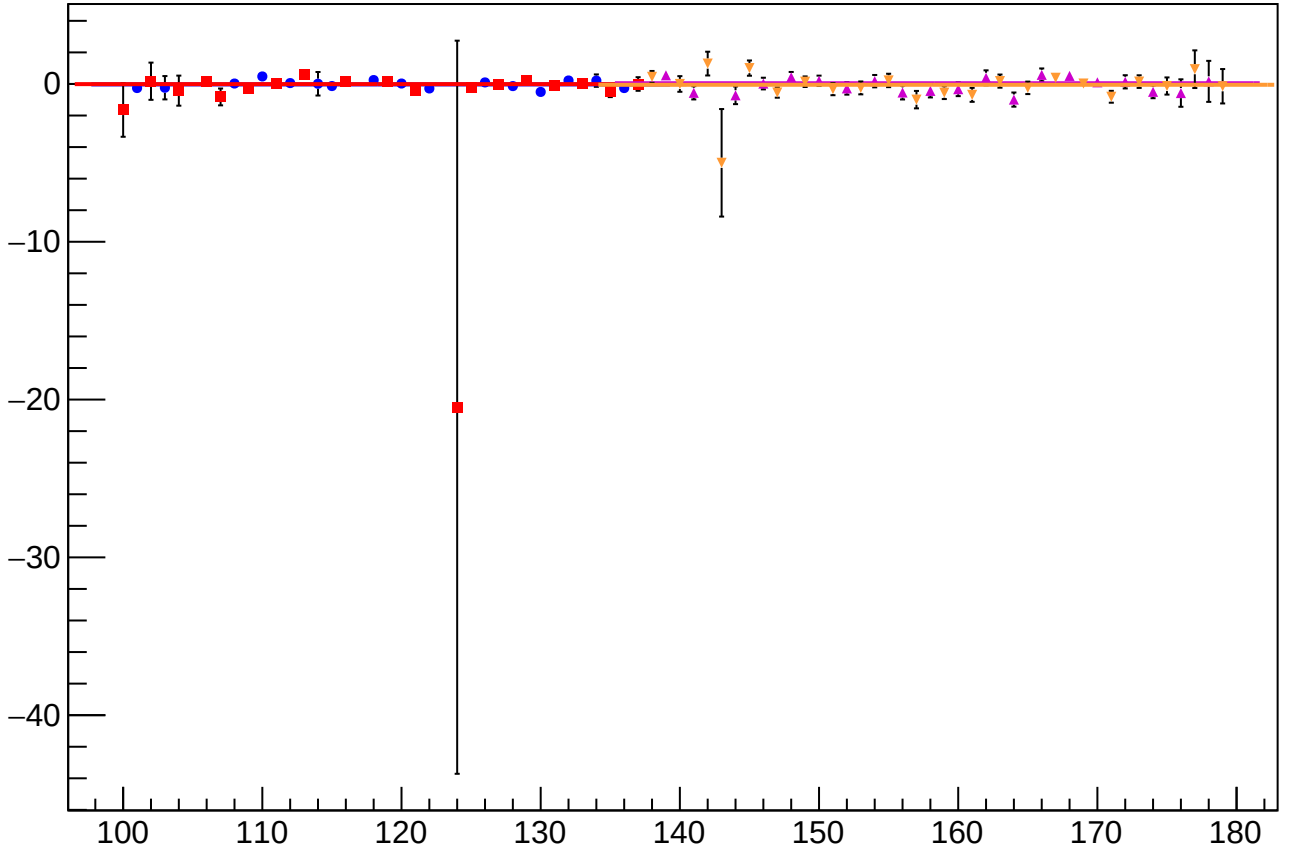
Left In: 317.601+/-0.059 χ^2/NDF:3039934.4/19

+ sign 200.854+/-0.034 χ^2/NDF: 12021932.1/37

All: 195.638+/-0.024 χ^2/NDF: 23955330.7/76

- sign 190.651+/-0.033 χ^2/NDF: 11887130.6/38

asym_atl_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: -0.052+/-0.086 χ^2/NDF:30.2/21

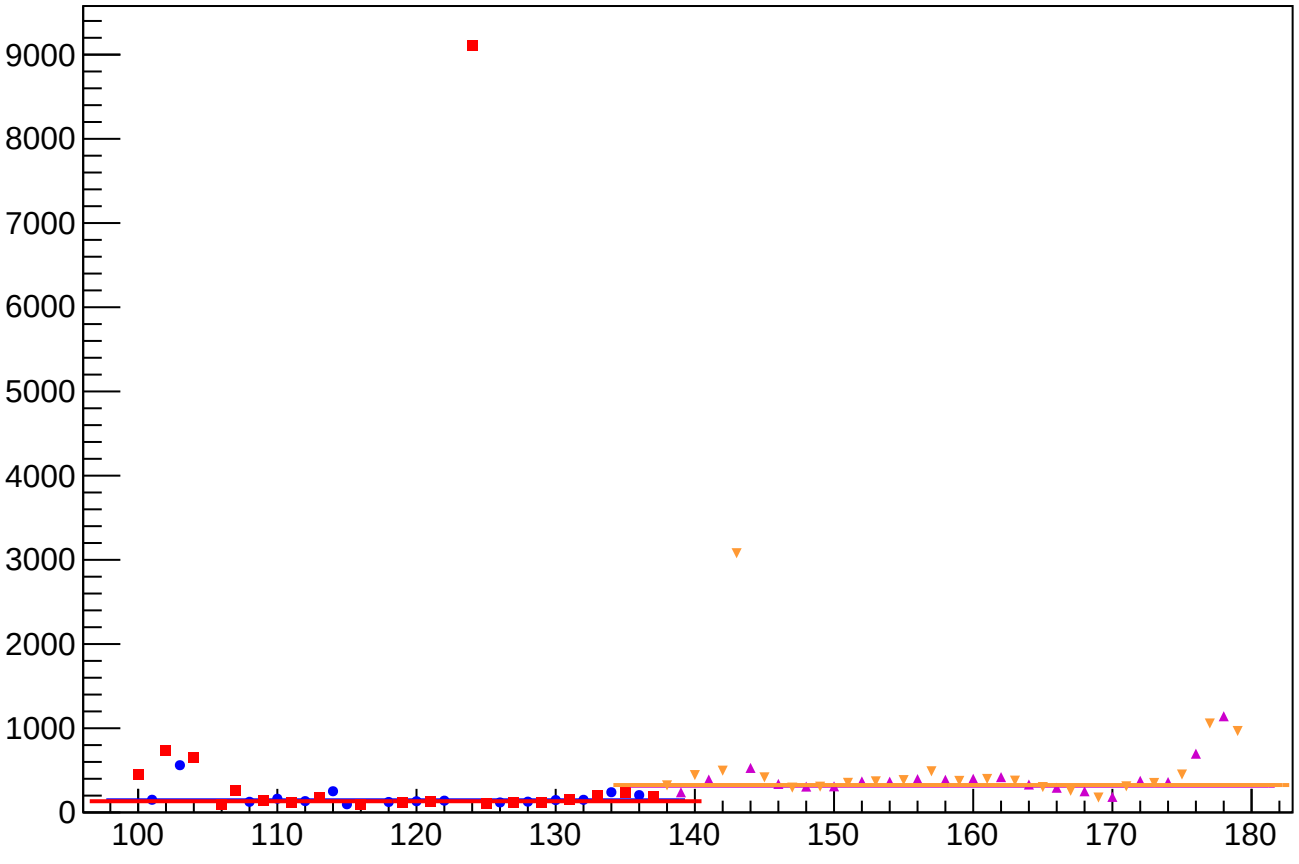
Right Out: -0.011+/-0.057 χ^2/NDF: 21.8/18

Left In: 0.046+/-0.084 χ^2/NDF:26.3/19

+ sign -0.036+/-0.048 χ^2/NDF: 47.5/37

All: -0.014+/-0.034 χ^2/NDF: 96.3/76

- sign 0.007+/-0.047 χ^2/NDF: 48.4/38



Right In: 144.291+/-0.041 χ^2/NDF: 1128779.2/15

Left Out: 325.519+/-0.061 χ^2/NDF:4762227.7/21

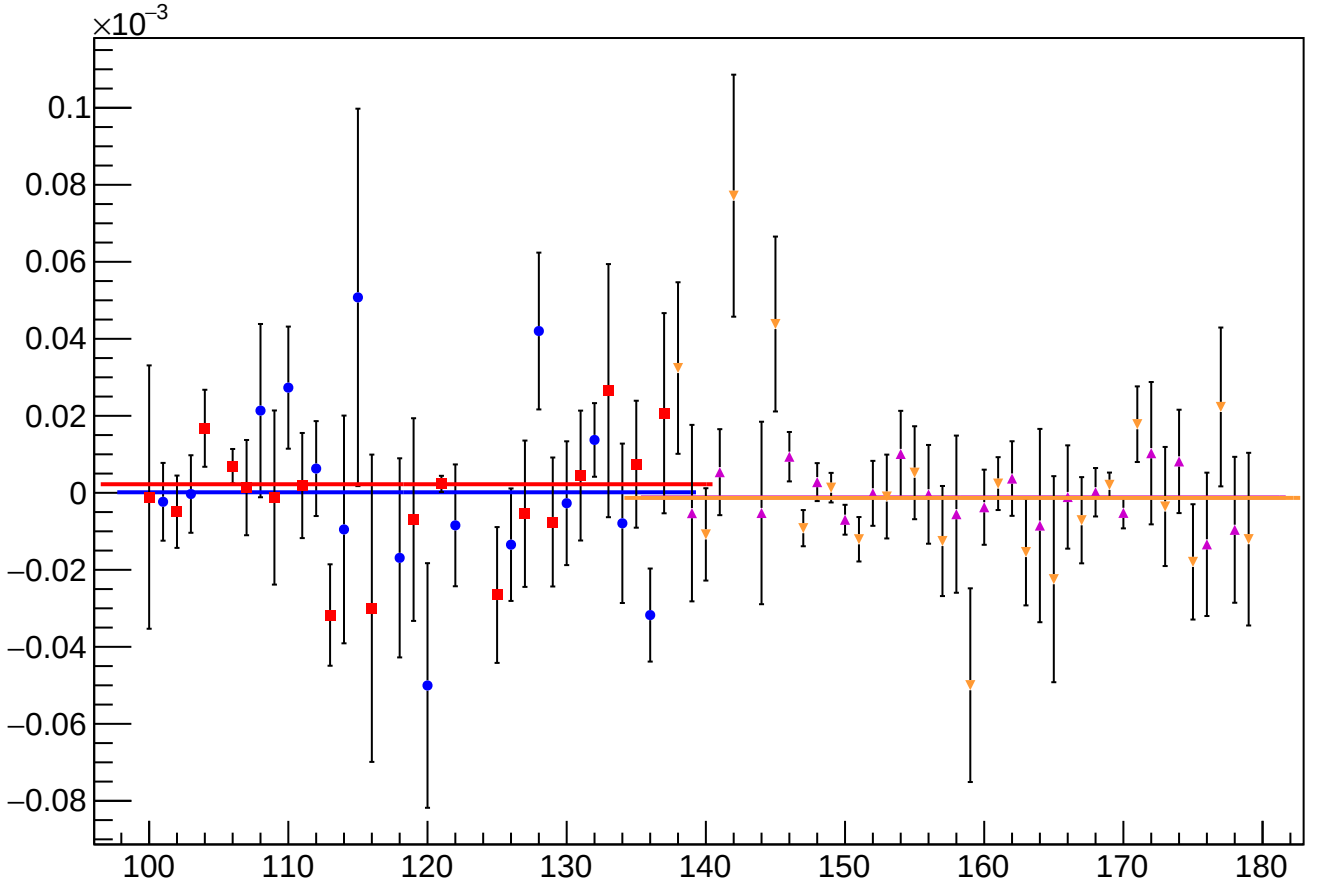
Right Out: 133.253+/-0.040 χ^2/NDF: 2220645.6/18

Left In: 317.601+/-0.059 χ^2/NDF:3039934.4/19

+ sign 200.854+/-0.034 χ^2/NDF: 12021932.1/37

All: 195.638+/-0.024 χ^2/NDF: 23955330.7/76

- sign 190.651+/-0.033 χ^2/NDF: 11887130.6/38



Right In: 0.000+/-0.000 χ^2/NDF: 22.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:34.4/20

Right Out: 0.000+/-0.000 χ^2/NDF: 15.6/17

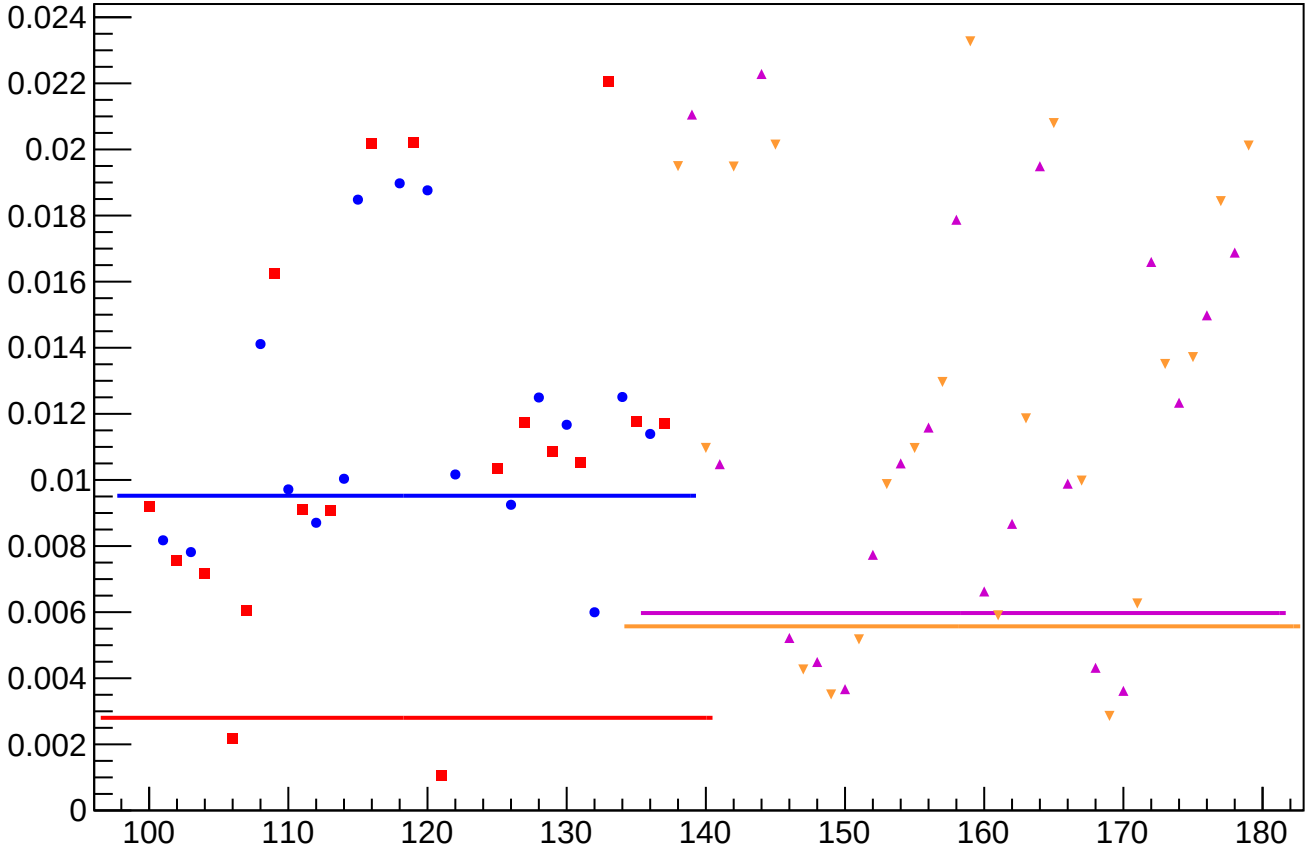
Left In: -0.000+/-0.000 χ^2/NDF:10.0/19

+ sign -0.000+/-0.000 χ^2/NDF: 57.4/36

All: -0.000+/-0.000 χ^2/NDF: 85.5/74

- sign 0.000+/-0.000 χ^2/NDF: 27.5/37

asym_atl_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.010+/-0.000 χ^2/NDF: 1132946.4/15

Left Out: 0.006+/-0.000 χ^2/NDF:10947965.0/20

Right Out: 0.003+/-0.000 χ^2/NDF: 8568874.3/17

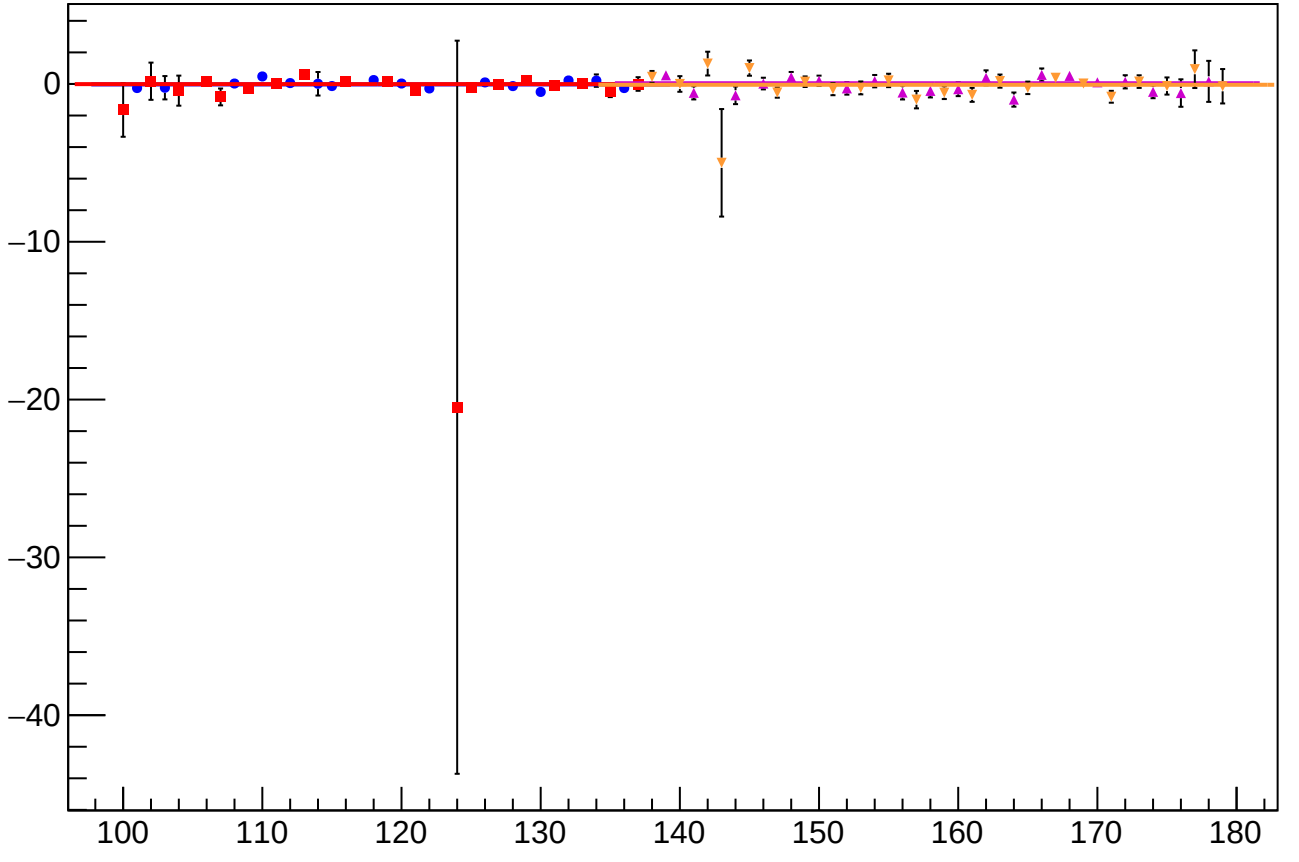
Left In: 0.006+/-0.000 χ^2/NDF:8505968.3/19

+ sign 0.006+/-0.000 χ^2/NDF: 13916561.6/36

All: 0.005+/-0.000 χ^2/NDF: 36120762.3/74

- sign 0.004+/-0.000 χ^2/NDF: 20288736.8/37

asym_atl_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: -0.052+/-0.086 χ^2/NDF:30.2/21

Right Out: -0.011+/-0.057 χ^2/NDF: 21.8/18

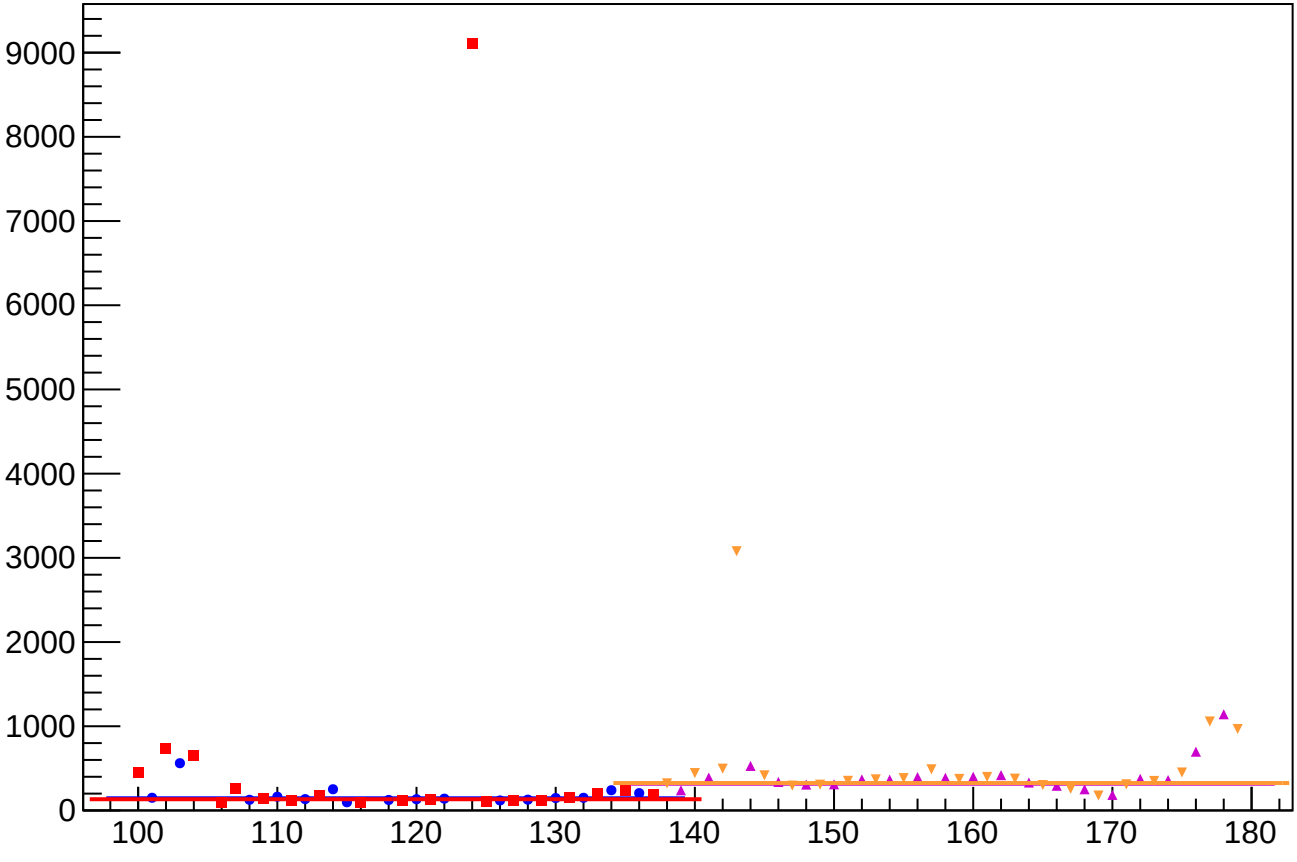
Left In: 0.046+/-0.084 χ^2/NDF:26.3/19

+ sign -0.036+/-0.048 χ^2/NDF: 47.5/37

All: -0.014+/-0.034 χ^2/NDF: 96.3/76

- sign 0.007+/-0.047 χ^2/NDF: 48.4/38

asym_atl_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 144.289+/-0.041 χ^2/NDF: 1128804.3/15

Left Out: 325.521+/-0.061 χ^2/NDF:4762293.6/21

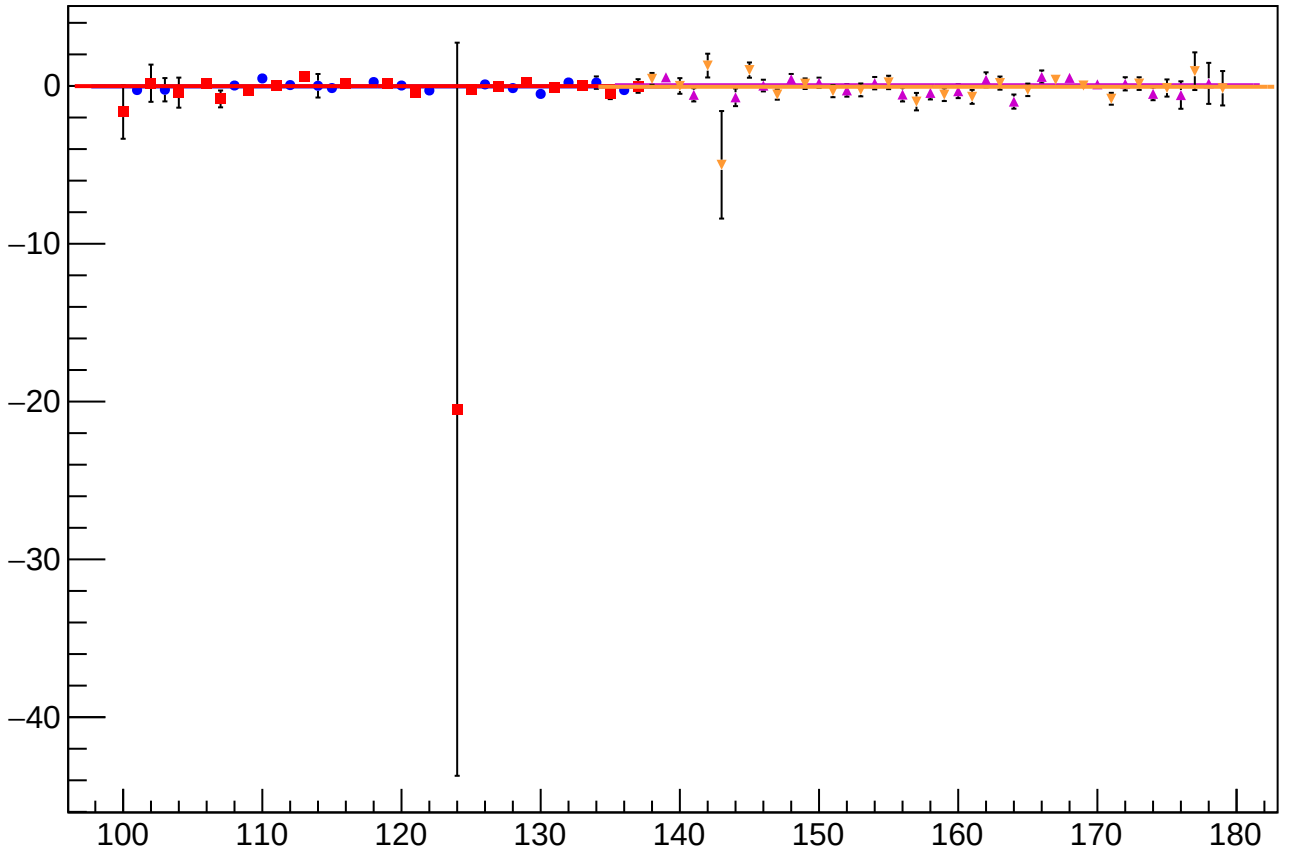
Right Out: 133.253+/-0.040 χ^2/NDF: 2220606.0/18

Left In: 317.604+/-0.059 χ^2/NDF:3039936.9/19

+ sign 200.852+/-0.034 χ^2/NDF: 12022231.4/37

All: 195.637+/-0.024 χ^2/NDF: 23955774.5/76

- sign 190.651+/-0.033 χ^2/NDF: 11887282.3/38



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: -0.052+/-0.086 χ^2/NDF:30.2/21

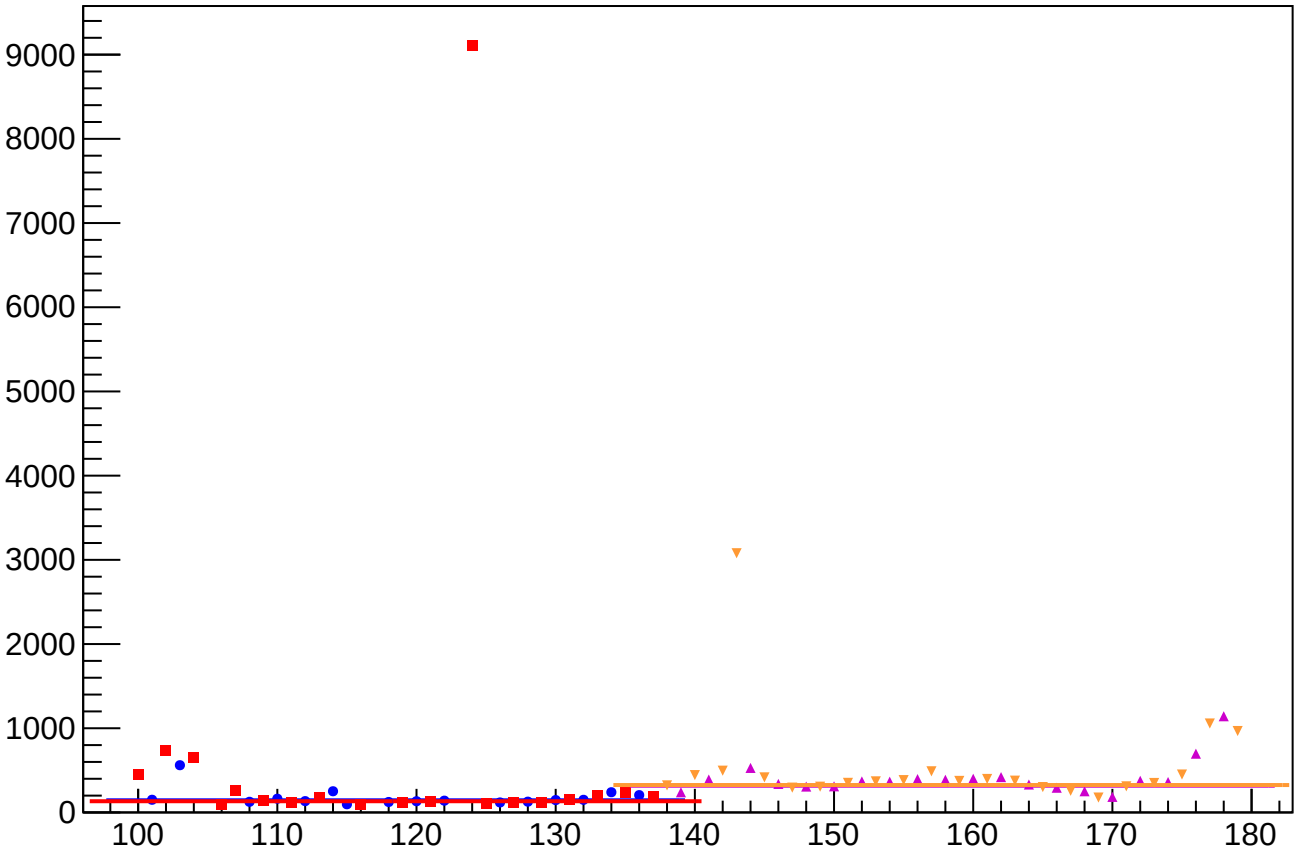
Right Out: -0.011+/-0.057 χ^2/NDF: 21.8/18

Left In: 0.046+/-0.084 χ^2/NDF:26.3/19

+ sign -0.036+/-0.048 χ^2/NDF: 47.5/37

All: -0.014+/-0.034 χ^2/NDF: 96.3/76

- sign 0.007+/-0.047 χ^2/NDF: 48.4/38



Right In: 144.289+/-0.041 χ^2/NDF: 1128804.3/15

Left Out: 325.521+/-0.061 χ^2/NDF:4762293.6/21

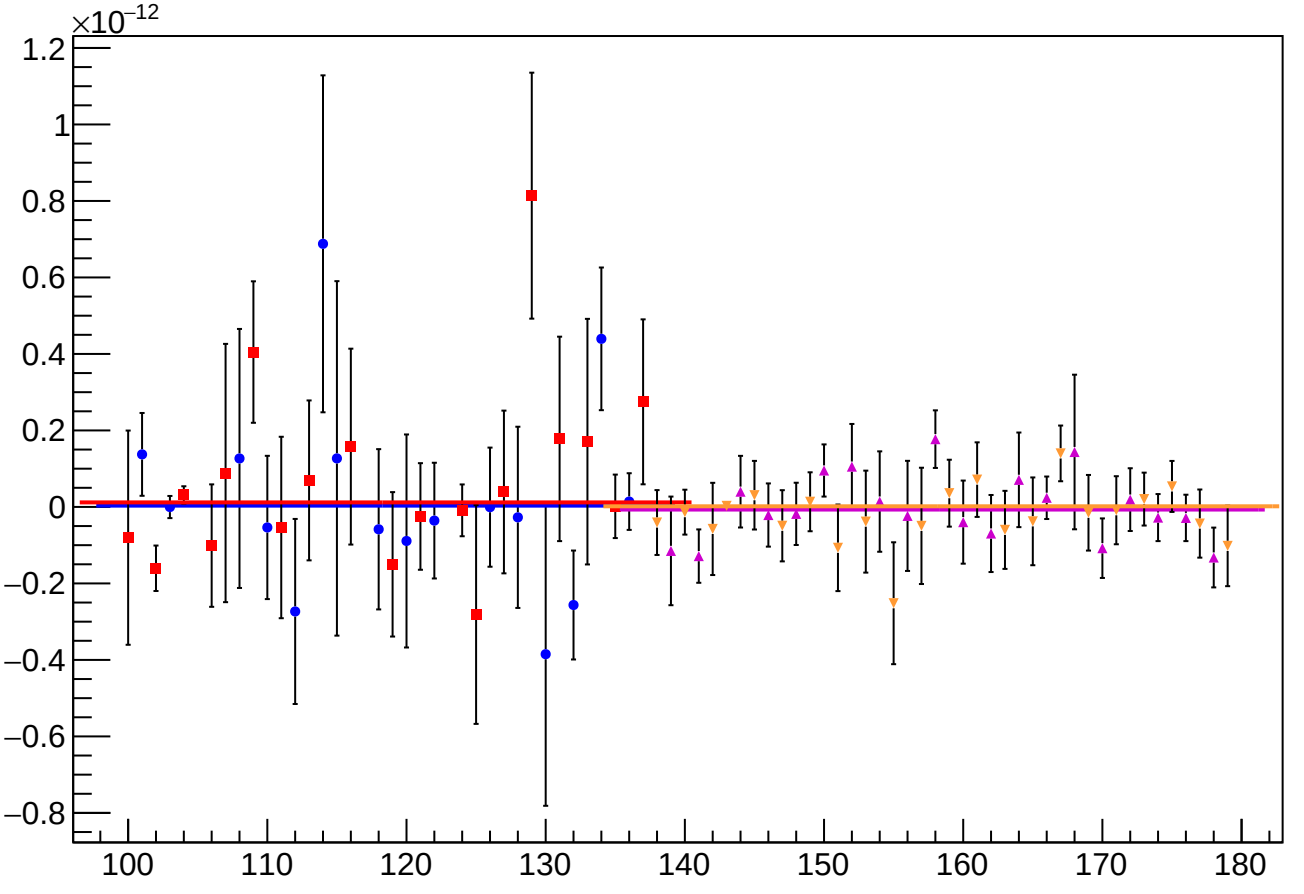
Right Out: 133.253+/-0.040 χ^2/NDF: 2220606.0/18

Left In: 317.604+/-0.059 χ^2/NDF:3039936.9/19

+ sign 200.852+/-0.034 χ^2/NDF: 12022231.4/37

All: 195.637+/-0.024 χ^2/NDF: 23955774.5/76

- sign 190.651+/-0.033 χ^2/NDF: 11887282.3/38



Right In: 0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.4/21

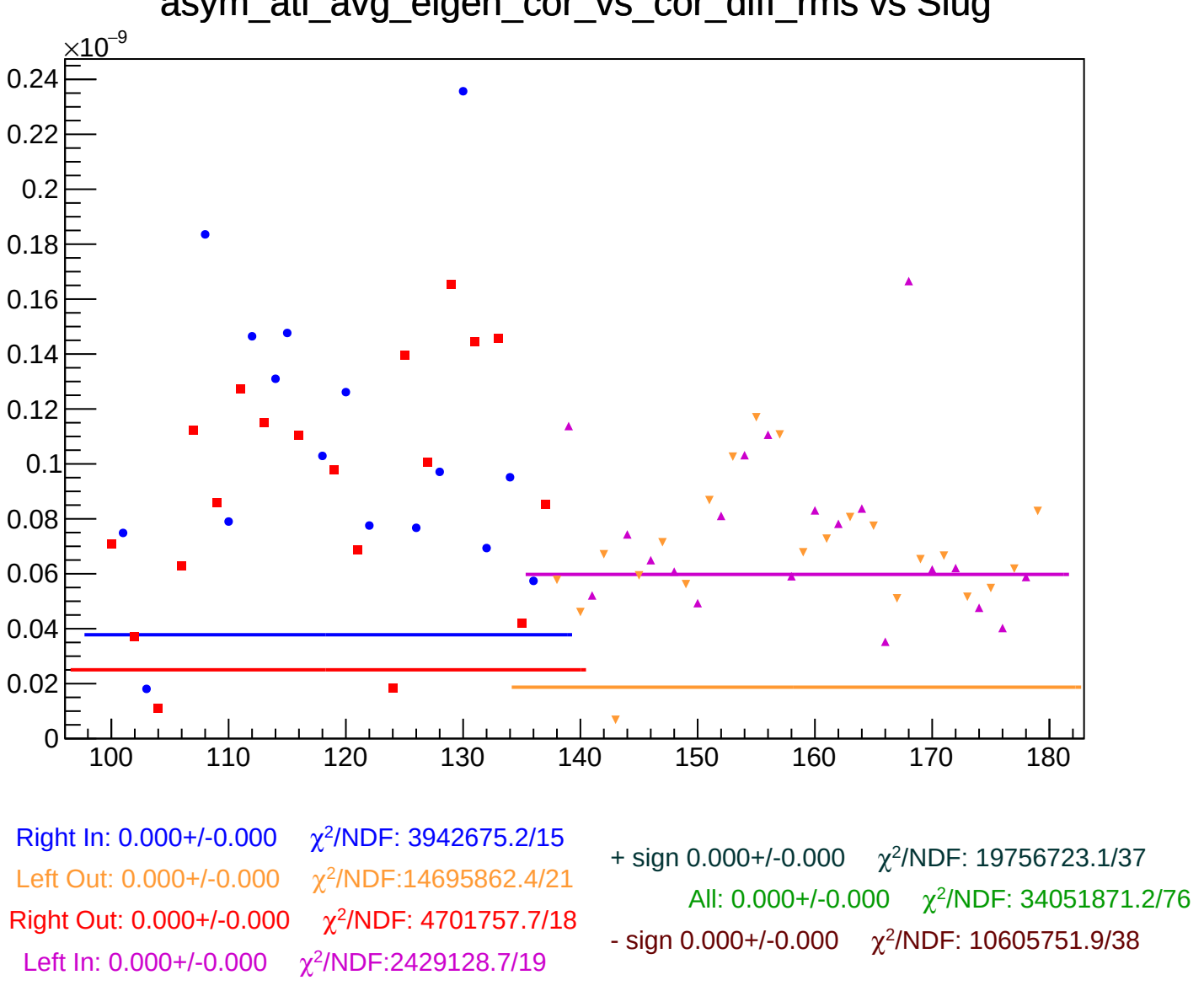
Right Out: 0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: -0.000+/-0.000 χ^2/NDF:19.5/19

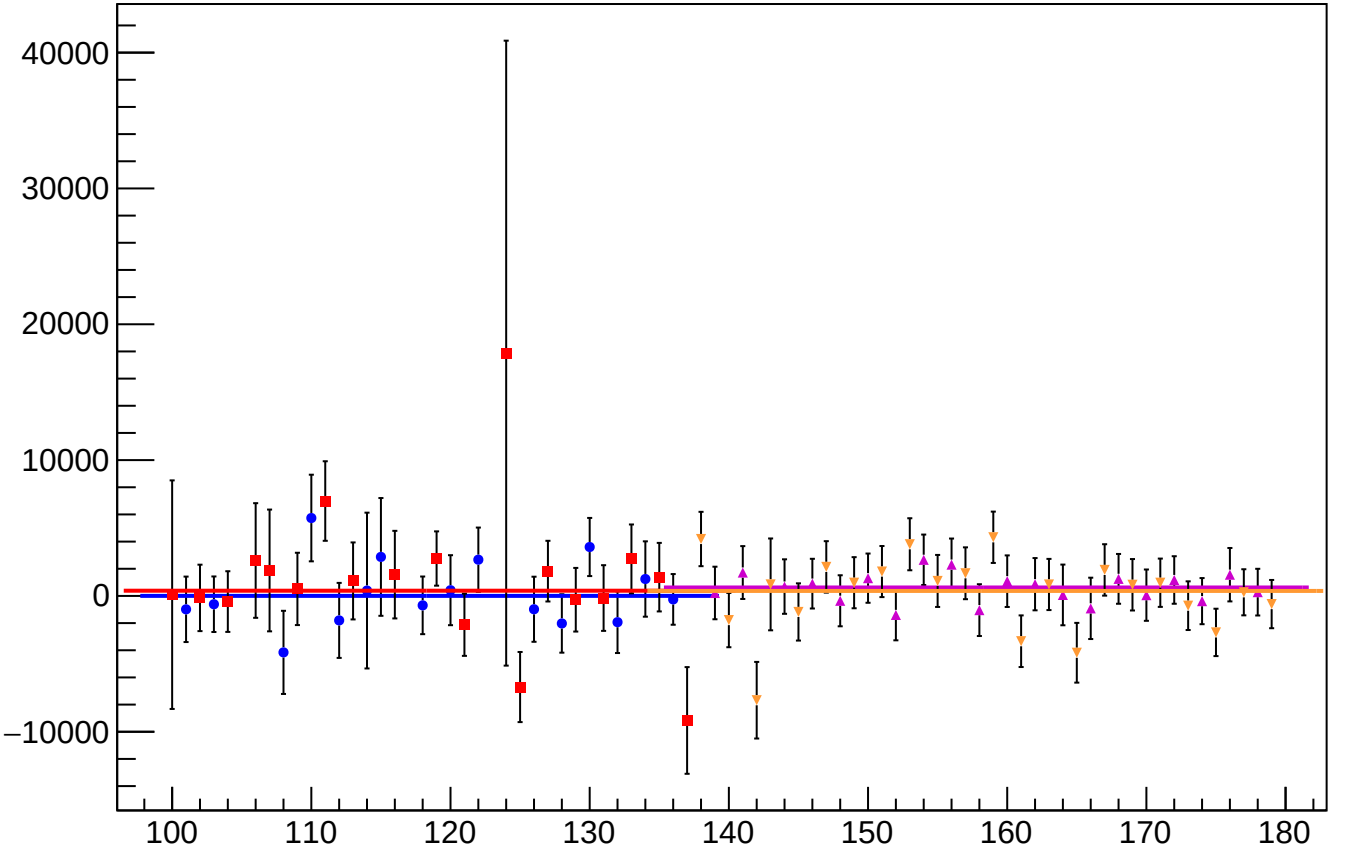
+ sign 0.000+/-0.000 χ^2/NDF: 27.0/37

All: 0.000+/-0.000 χ^2/NDF: 72.1/76

- sign 0.000+/-0.000 χ^2/NDF: 45.1/38


asym_atl_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 3942675.2/15
Left Out: 0.000+/-0.000 χ²/NDF:14695862.4/21
Right Out: 0.000+/-0.000 χ²/NDF: 4701757.7/18
Left In: 0.000+/-0.000 χ²/NDF:2429128.7/19
+ sign 0.000+/-0.000 χ²/NDF: 19756723.1/37
All: 0.000+/-0.000 χ²/NDF: 34051871.2/76
- sign 0.000+/-0.000 χ²/NDF: 10605751.9/38

reg_asym_atl_dd_mean vs Slug



Right In: 4.373+/-619.905 χ^2/NDF: 12.4/15

Left Out: 368.289+/-414.241 χ^2/NDF:36.0/21

Right Out: 384.758+/-633.682 χ^2/NDF: 24.1/18

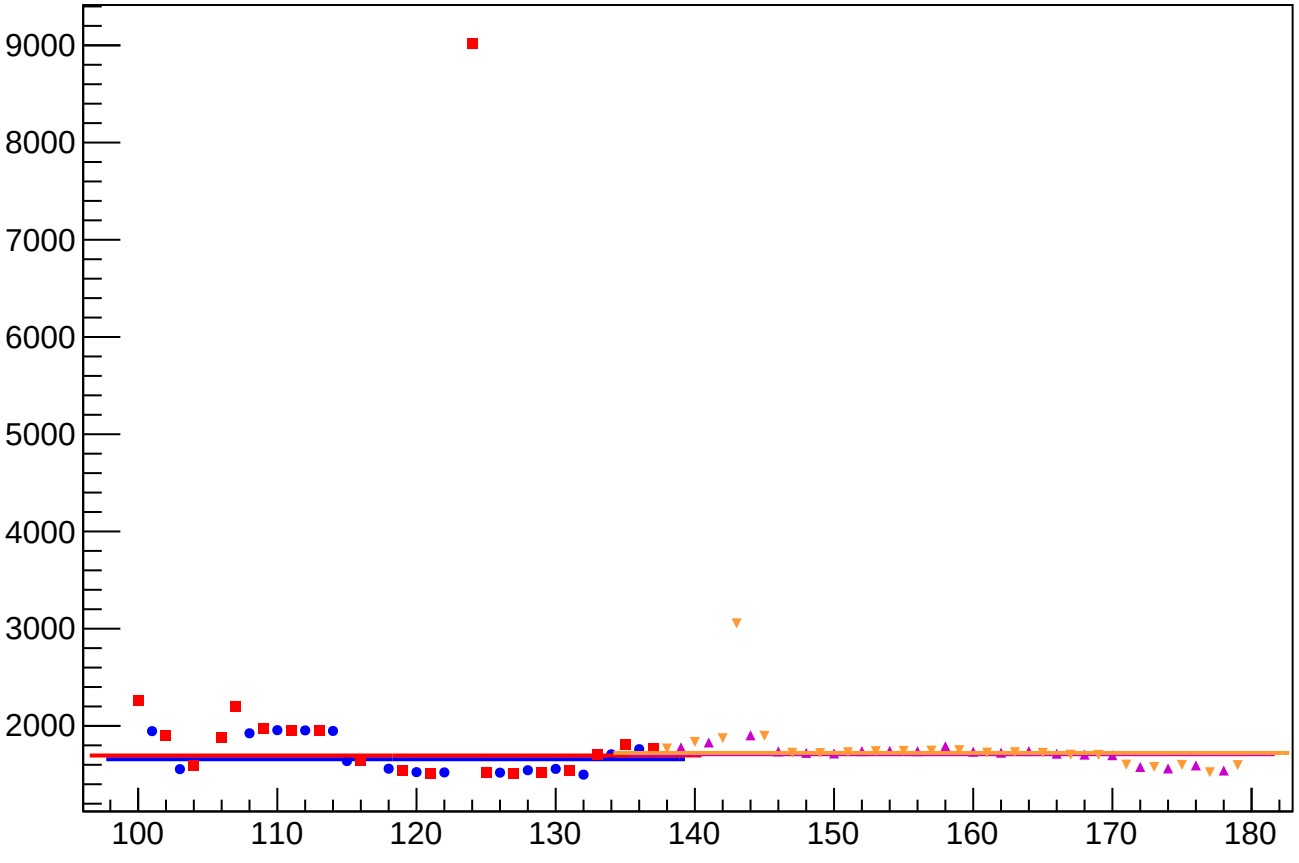
Left In: 621.745+/-423.281 χ^2/NDF:6.2/19

+ sign 255.951+/-344.420 χ^2/NDF: 48.7/37

All: 399.113+/-246.171 χ^2/NDF: 79.4/76

- sign 548.628+/-351.979 χ^2/NDF: 30.4/38

reg_asym_atl_dd_rms vs Slug



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.4/15

Left Out: 1722.064+/-0.293 χ^2/NDF:409299.7/21

Right Out: 1695.649+/-0.446 χ^2/NDF: 386216.2/18

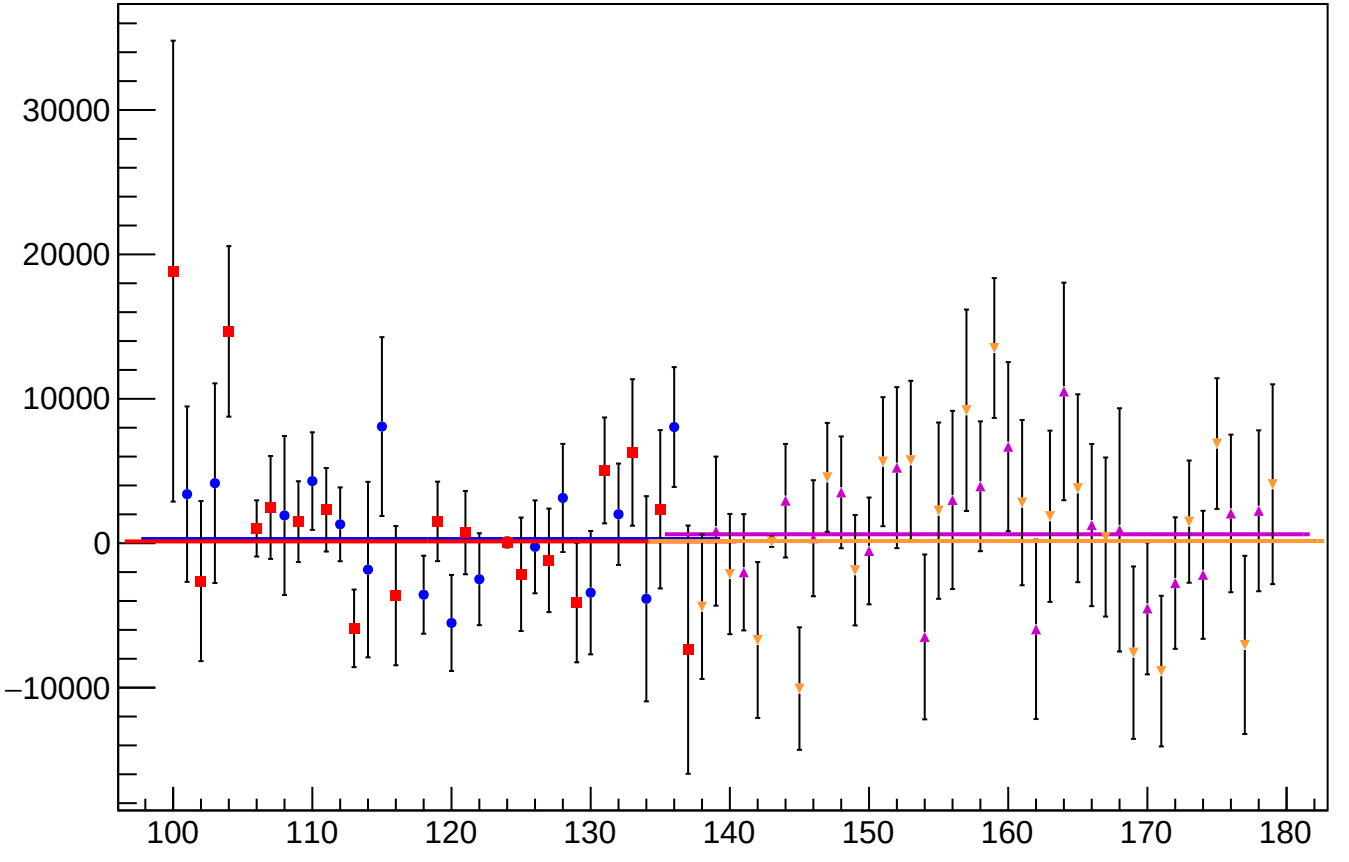
Left In: 1708.851+/-0.299 χ^2/NDF:88333.8/19

+ sign 1702.016+/-0.244 χ^2/NDF: 568457.6/37

All: 1703.356+/-0.174 χ^2/NDF: 1043673.5/76

- sign 1704.752+/-0.249 χ^2/NDF: 475154.1/38

asym_atl_dd_reg_correction_mean vs Slug



Right In: 289.262+/-961.071 χ^2/NDF: 15.2/15

Left Out: 150.981+/-345.571 χ^2/NDF:31.5/21

Right Out: 125.586+/-323.715 χ^2/NDF: 20.8/18

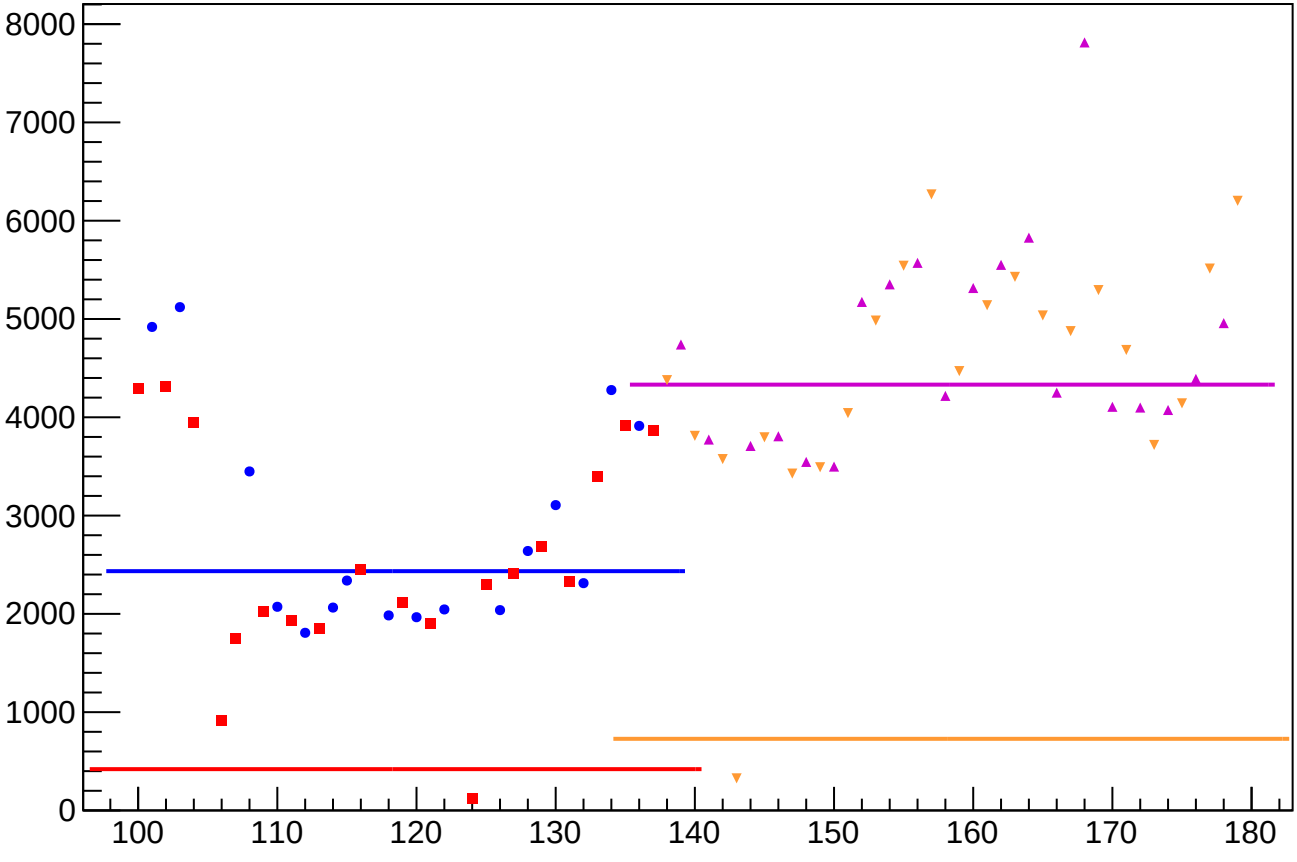
Left In: 620.330+/-1093.932 χ^2/NDF:10.7/19

+ sign 166.812+/-325.188 χ^2/NDF: 46.7/37

All: 166.084+/-224.535 χ^2/NDF: 78.4/76

- sign 165.421+/-310.409 χ^2/NDF: 31.7/38

asym_atl_dd_reg_correction_rms vs Slug



Right In: 2434.593+/-0.680 χ^2/NDF: 1457721.5/15

Left Out: 728.809+/-0.244 χ^2/NDF:25629687.5/21

Right Out: 420.292+/-0.229 χ^2/NDF: 11063973.9/18

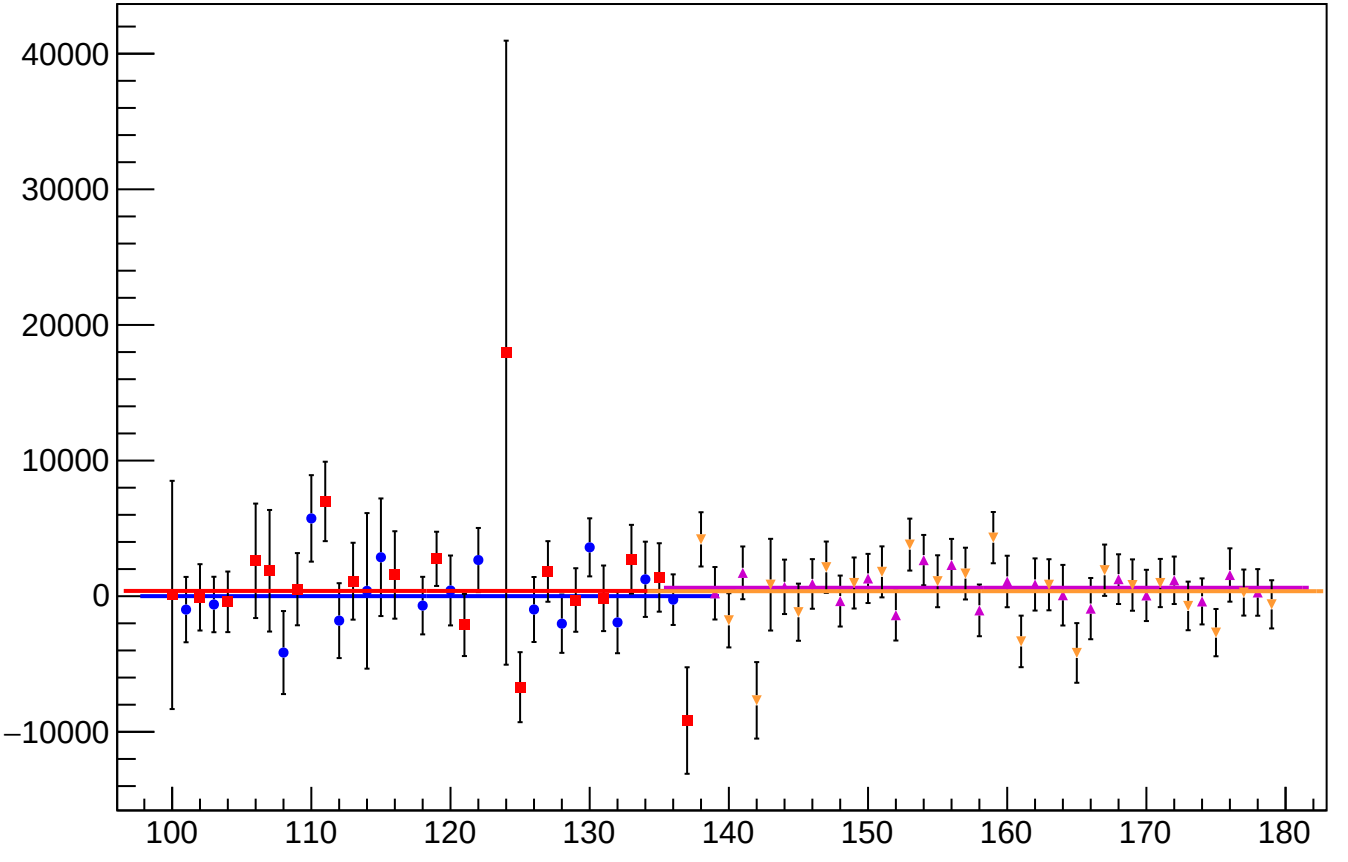
Left In: 4332.165+/-0.774 χ^2/NDF:1107751.3/19

+ sign 924.100+/-0.230 χ^2/NDF: 32666482.4/37

All: 825.294+/-0.159 χ^2/NDF: 68707037.6/76

- sign 735.265+/-0.219 χ^2/NDF: 35687673.4/38

cor_asym_atl_dd_mean vs Slug



Right In: 4.295+/-619.905 χ^2/NDF: 12.4/15

Left Out: 368.277+/-414.241 χ^2/NDF:36.0/21

Right Out: 389.054+/-633.688 χ^2/NDF: 24.0/18

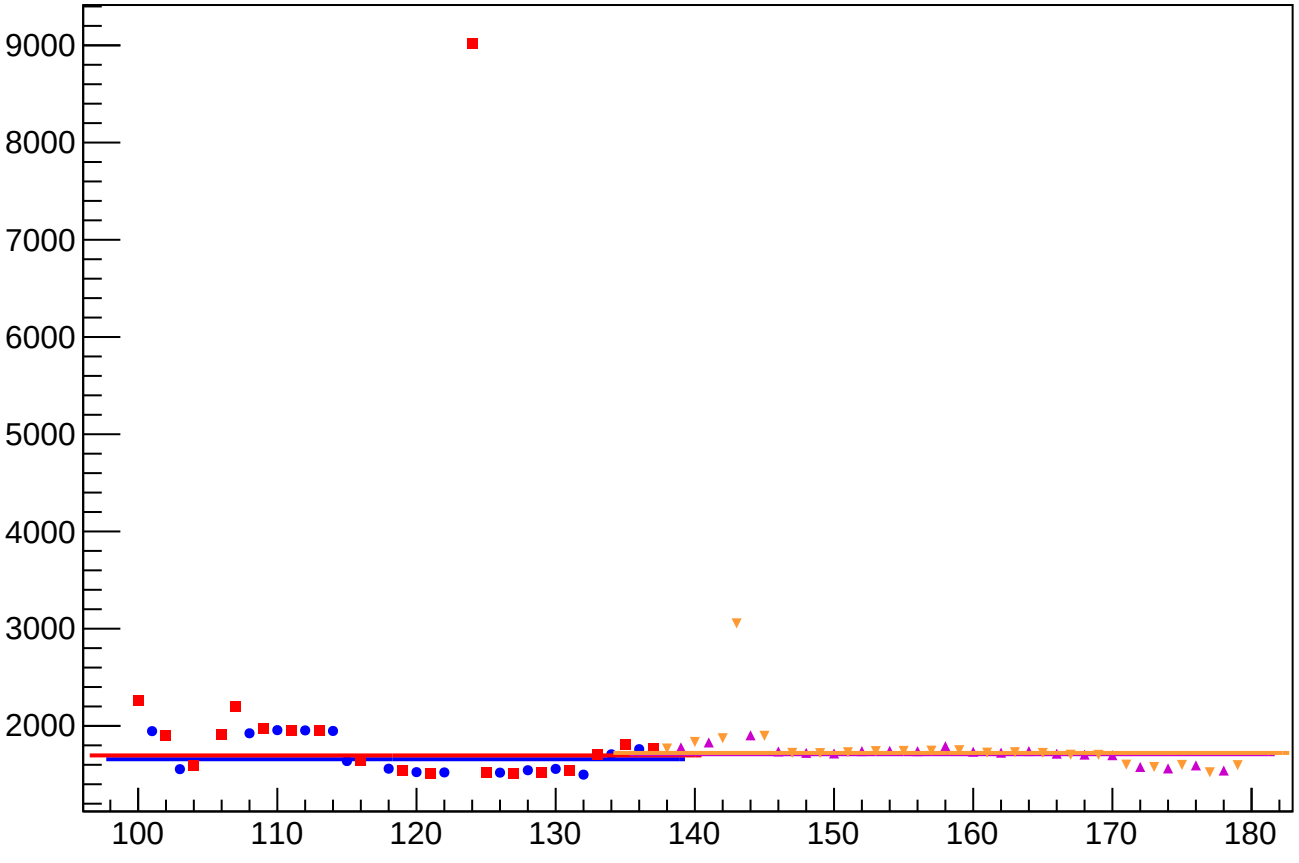
Left In: 621.706+/-423.281 χ^2/NDF:6.2/19

\+ sign 255.918+/-344.420 χ^2/NDF: 48.7/37

All: 399.732+/-246.171 χ^2/NDF: 79.4/76

\- sign 549.928+/-351.980 χ^2/NDF: 30.4/38

cor_asym_atl_dd_rms vs Slug



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.5/15

Left Out: 1722.064+/-0.293 χ^2/NDF:409299.7/21

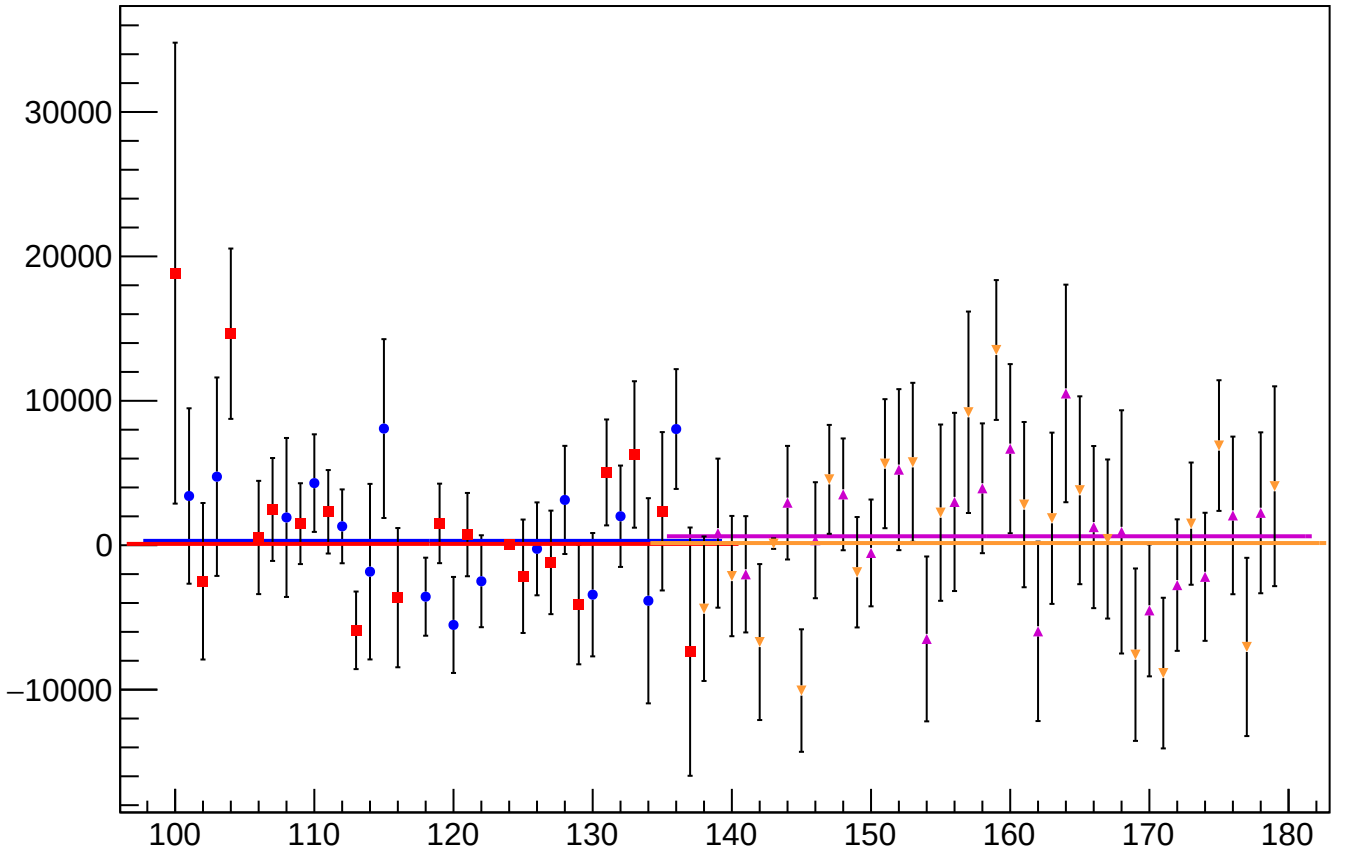
Right Out: 1696.442+/-0.446 χ^2/NDF: 387974.4/18

Left In: 1708.851+/-0.299 χ^2/NDF:88333.8/19

+ sign 1702.016+/-0.244 χ^2/NDF: 568457.7/37

All: 1703.478+/-0.174 χ^2/NDF: 1045372.8/76

- sign 1705.001+/-0.249 χ^2/NDF: 476841.6/38



Right In: 301.839+/-960.952 χ^2/NDF: 15.3/15

Left Out: 151.402+/-345.547 χ^2/NDF:31.5/21

Right Out: 92.243+/-315.757 χ^2/NDF: 20.6/18

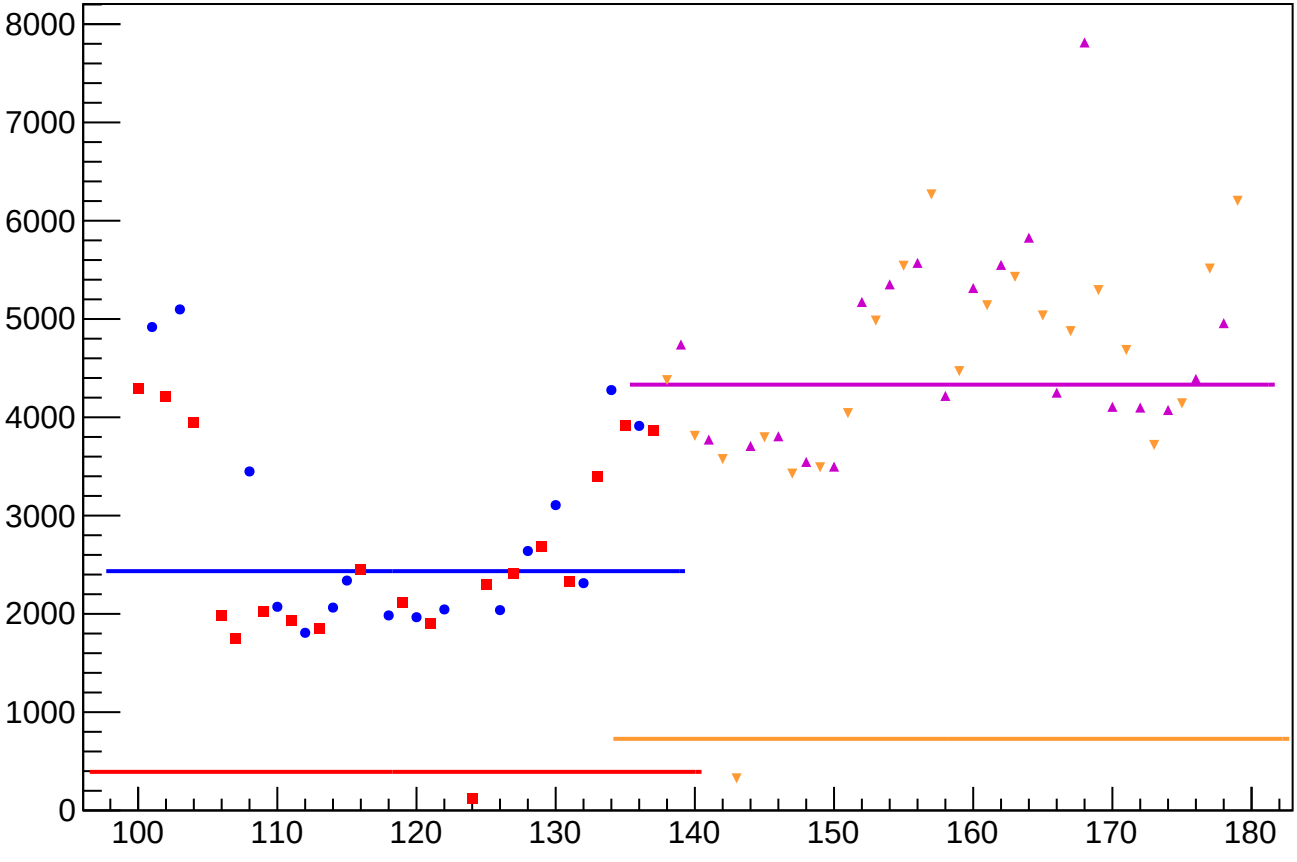
Left In: 620.353+/-1093.931 χ^2/NDF:10.7/19

+ sign 168.627+/-325.163 χ^2/NDF: 46.8/37

All: 149.504+/-221.820 χ^2/NDF: 78.3/76

- sign 132.859+/-303.372 χ^2/NDF: 31.5/38

asym_atl_dd_cor_correction_rms vs Slug



Right In: 2434.758+/-0.679 χ^2/NDF: 1456027.7/15

Left Out: 728.725+/-0.244 χ^2/NDF:25630417.5/21

Right Out: 392.666+/-0.223 χ^2/NDF: 11408006.3/18

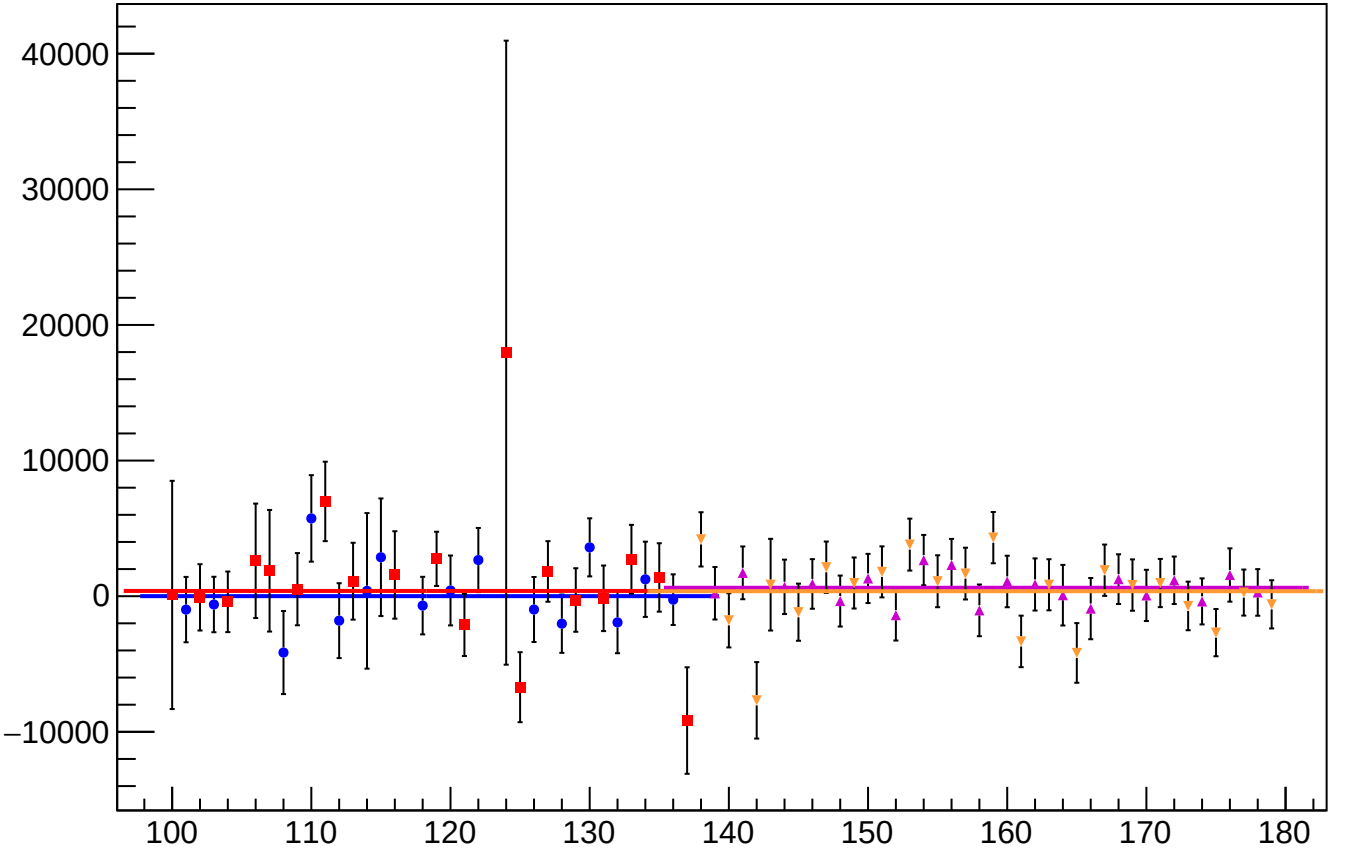
Left In: 4332.160+/-0.774 χ^2/NDF:1107742.6/19

+ sign 924.063+/-0.230 χ^2/NDF: 32668454.9/37

All: 801.944+/-0.157 χ^2/NDF: 69654727.4/76

- sign 695.645+/-0.215 χ^2/NDF: 36458627.7/38

eigen_cor_asym_atl_dd_mean vs Slug



Right In: 4.295+/-619.905 χ^2/NDF: 12.4/15

Left Out: 368.277+/-414.241 χ^2/NDF:36.0/21

Right Out: 389.054+/-633.688 χ^2/NDF: 24.0/18

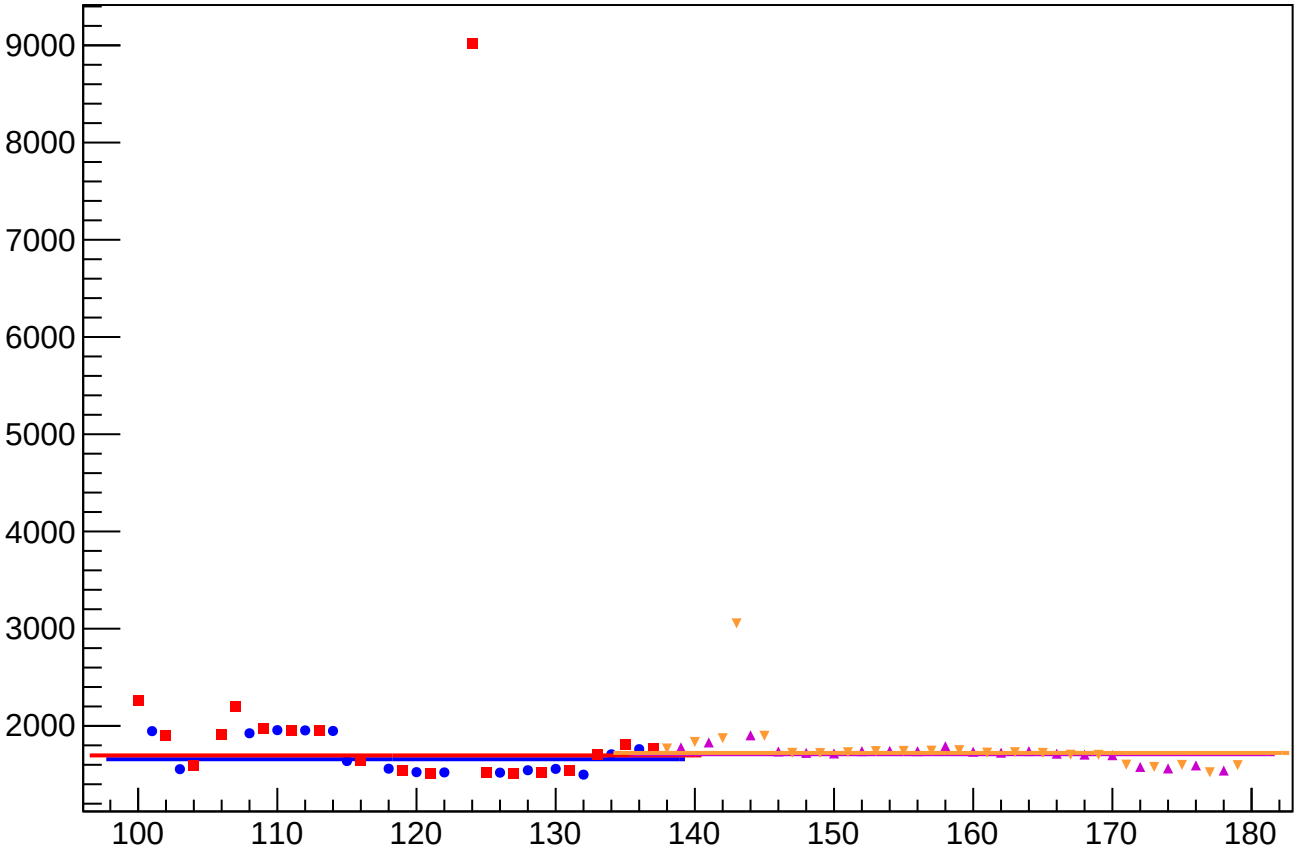
Left In: 621.706+/-423.281 χ^2/NDF:6.2/19

+ sign 255.918+/-344.420 χ^2/NDF: 48.7/37

All: 399.732+/-246.171 χ^2/NDF: 79.4/76

- sign 549.928+/-351.980 χ^2/NDF: 30.4/38

eigen_cor_asym_atl_dd_rms vs Slug



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.5/15

Left Out: 1722.064+/-0.293 χ^2/NDF:409299.7/21

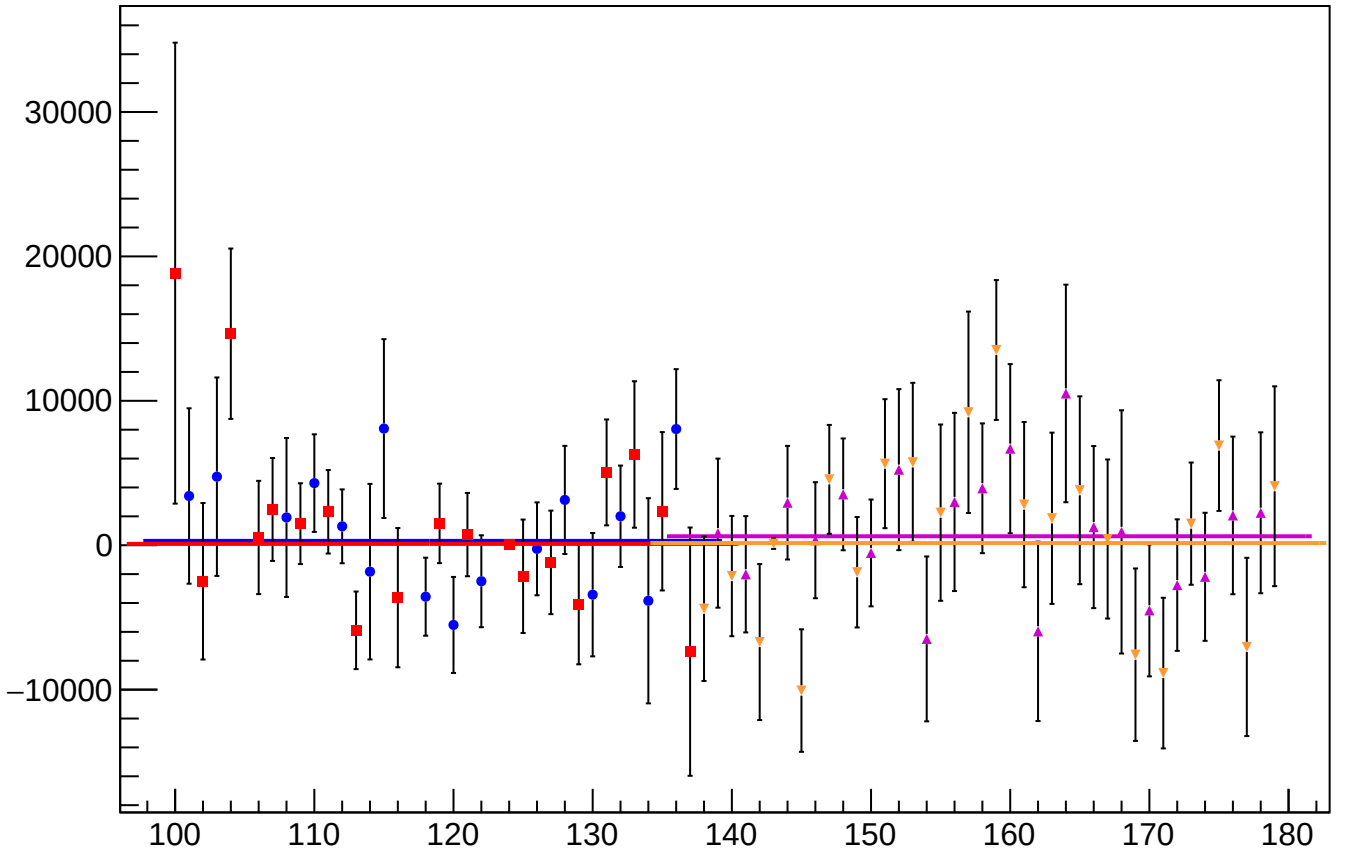
Right Out: 1696.442+/-0.446 χ^2/NDF: 387974.4/18

Left In: 1708.851+/-0.299 χ^2/NDF:88333.8/19

+ sign 1702.016+/-0.244 χ^2/NDF: 568457.7/37

All: 1703.478+/-0.174 χ^2/NDF: 1045372.8/76

- sign 1705.001+/-0.249 χ^2/NDF: 476841.6/38



Right In: 301.839+/-960.952 χ^2/NDF: 15.3/15

Left Out: 151.402+/-345.547 χ^2/NDF:31.5/21

Right Out: 92.243+/-315.757 χ^2/NDF: 20.6/18

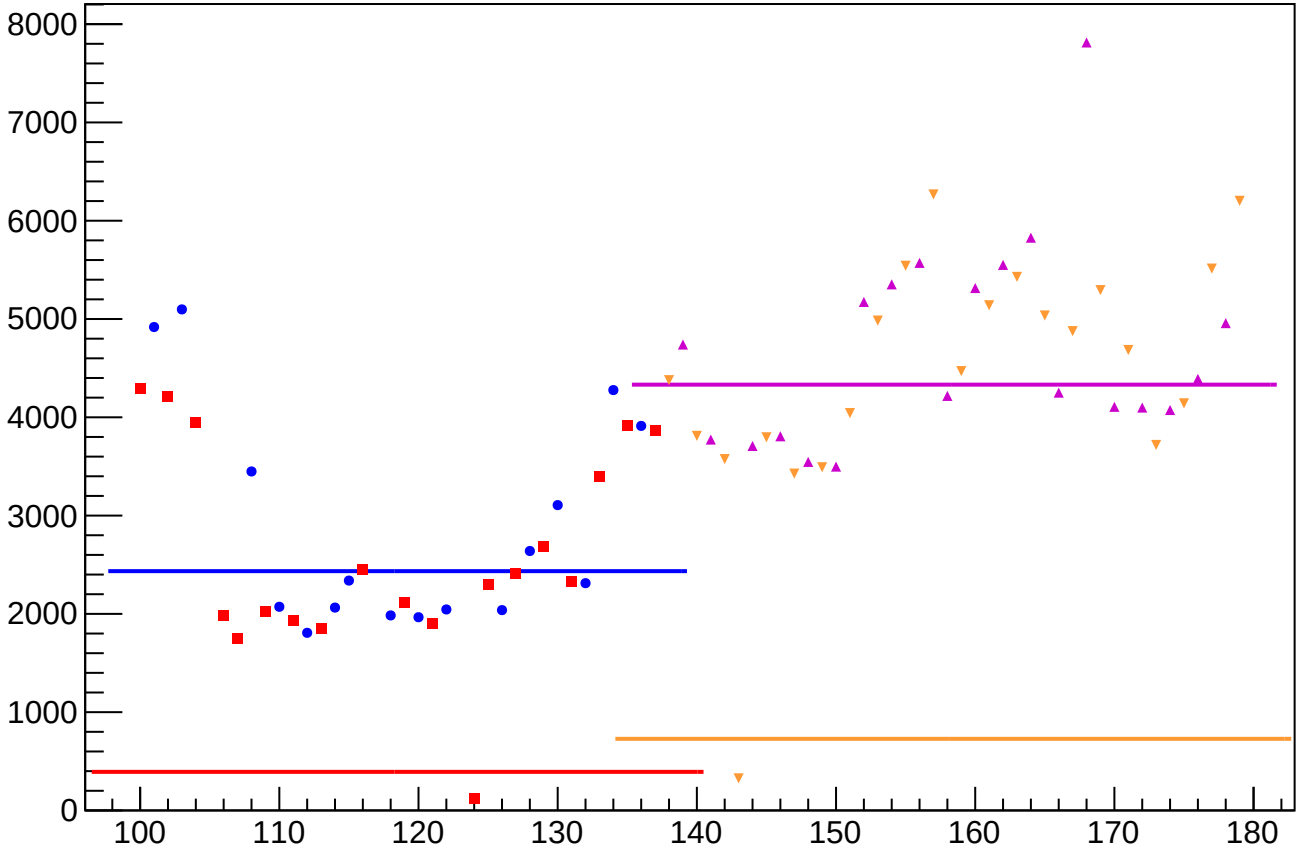
Left In: 620.353+/-1093.931 χ^2/NDF:10.7/19

\+ sign 168.627+/-325.163 χ^2/NDF: 46.8/37

All: 149.504+/-221.820 χ^2/NDF: 78.3/76

\- sign 132.859+/-303.372 χ^2/NDF: 31.5/38

asym_atl_dd_eigen_cor_correction_rms vs Slug



Right In: 2434.758+/-0.679 χ^2/NDF: 1456027.7/15

Left Out: 728.725+/-0.244 χ^2/NDF:25630417.5/21

Right Out: 392.666+/-0.223 χ^2/NDF: 11408006.3/18

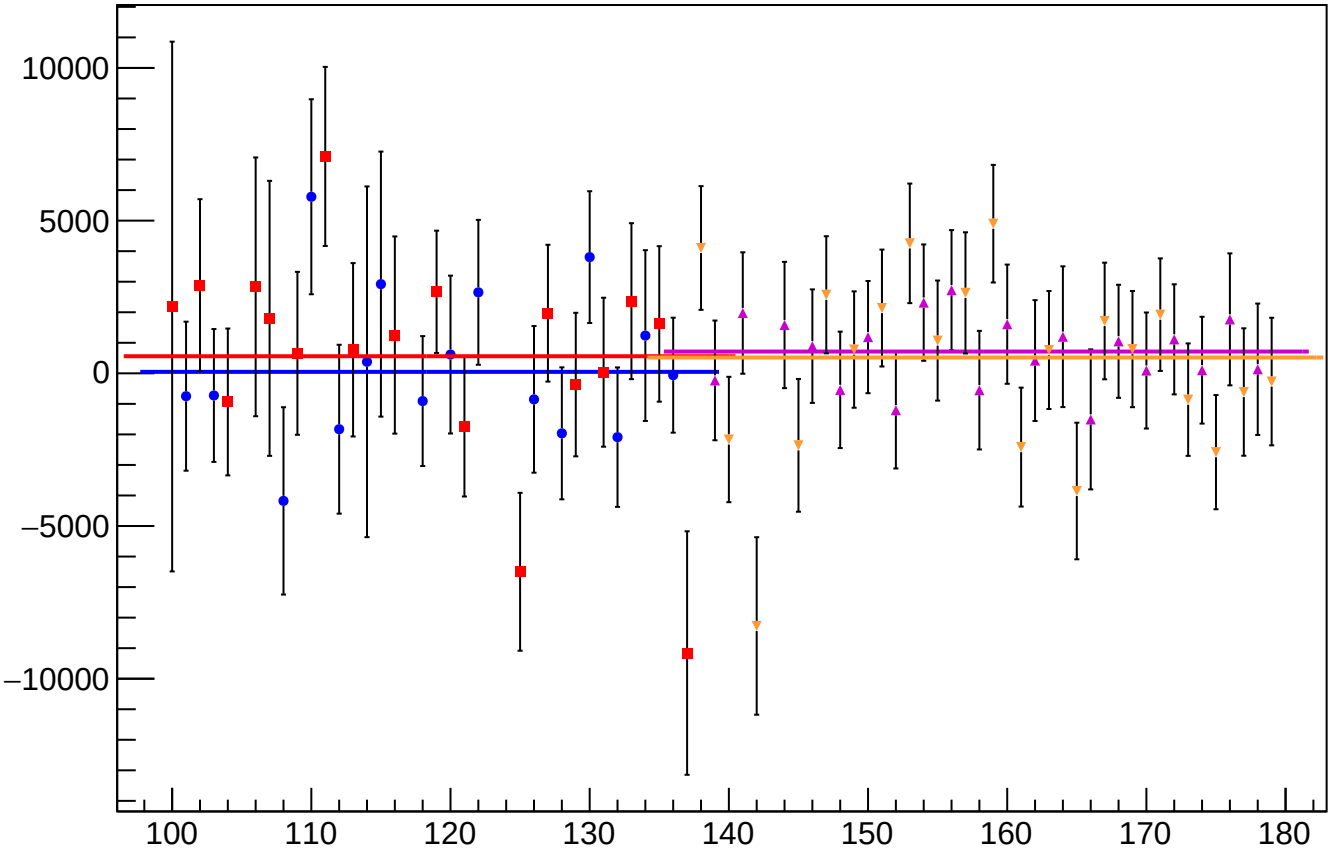
Left In: 4332.160+/-0.774 χ^2/NDF:1107742.6/19

+ sign 924.063+/-0.230 χ^2/NDF: 32668454.9/37

All: 801.944+/-0.157 χ^2/NDF: 69654727.4/76

- sign 695.645+/-0.215 χ^2/NDF: 36458627.7/38

dit_asym_atl_dd_mean vs Slug



Right In: 48.331+/-626.151 χ^2/NDF: 12.8/15

Left Out: 518.235+/-434.726 χ^2/NDF:38.5/20

Right Out: 559.598+/-645.291 χ^2/NDF: 23.3/17

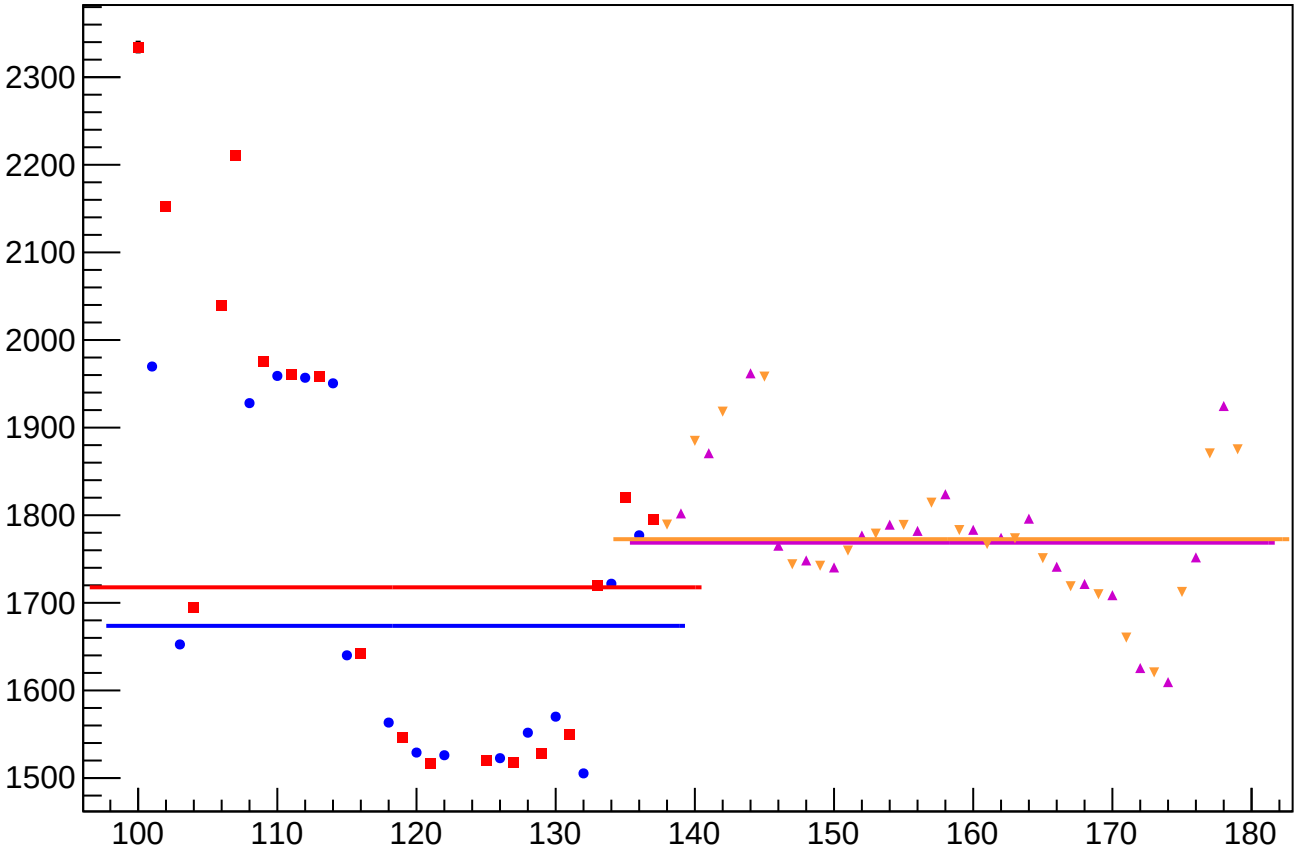
Left In: 713.189+/-438.024 χ^2/NDF:6.3/19

+ sign 365.399+/-357.098 χ^2/NDF: 51.7/36

All: 512.858+/-254.366 χ^2/NDF: 81.7/74

- sign 664.742+/-362.416 χ^2/NDF: 29.7/37

dit_asym_atl_dd_rms vs Slug



Right In: 1673.729+/-0.443 χ^2/NDF: 140873.1/15

Left Out: 1772.648+/-0.307 χ^2/NDF:64189.3/20

Right Out: 1717.713+/-0.455 χ^2/NDF: 227642.0/17

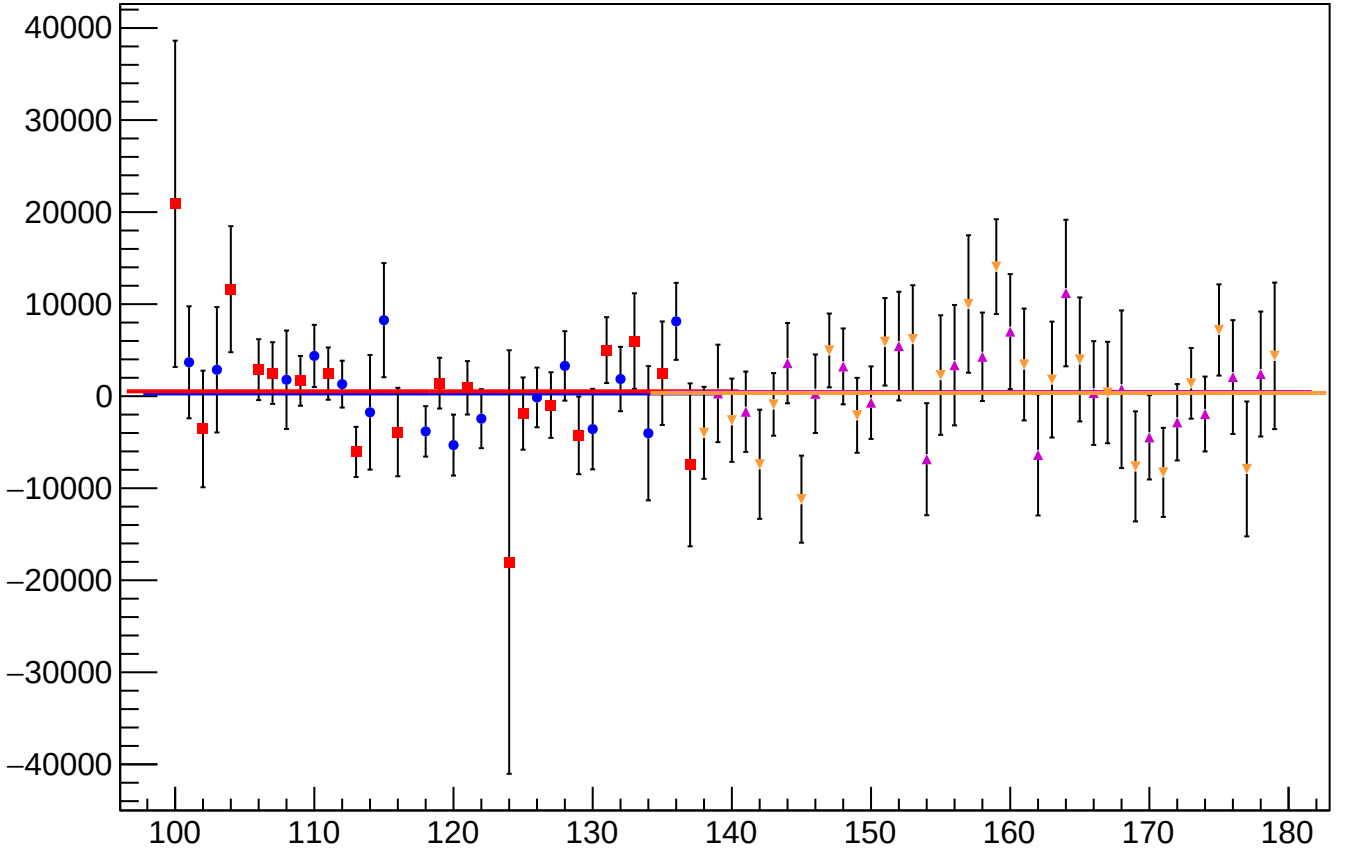
Left In: 1768.639+/-0.310 χ^2/NDF:69817.0/19

+ sign 1740.474+/-0.253 χ^2/NDF: 238742.6/36

All: 1746.415+/-0.180 χ^2/NDF: 545878.5/74

- sign 1752.524+/-0.256 χ^2/NDF: 306013.2/37

asym_atl_dd_dit_correction_mean vs Slug



Right In: 296.517+/-964.677 χ^2/NDF: 15.3/15

Left Out: 351.486+/-1088.020 χ^2/NDF:31.0/21

Right Out: 531.007+/-883.969 χ^2/NDF: 18.8/18

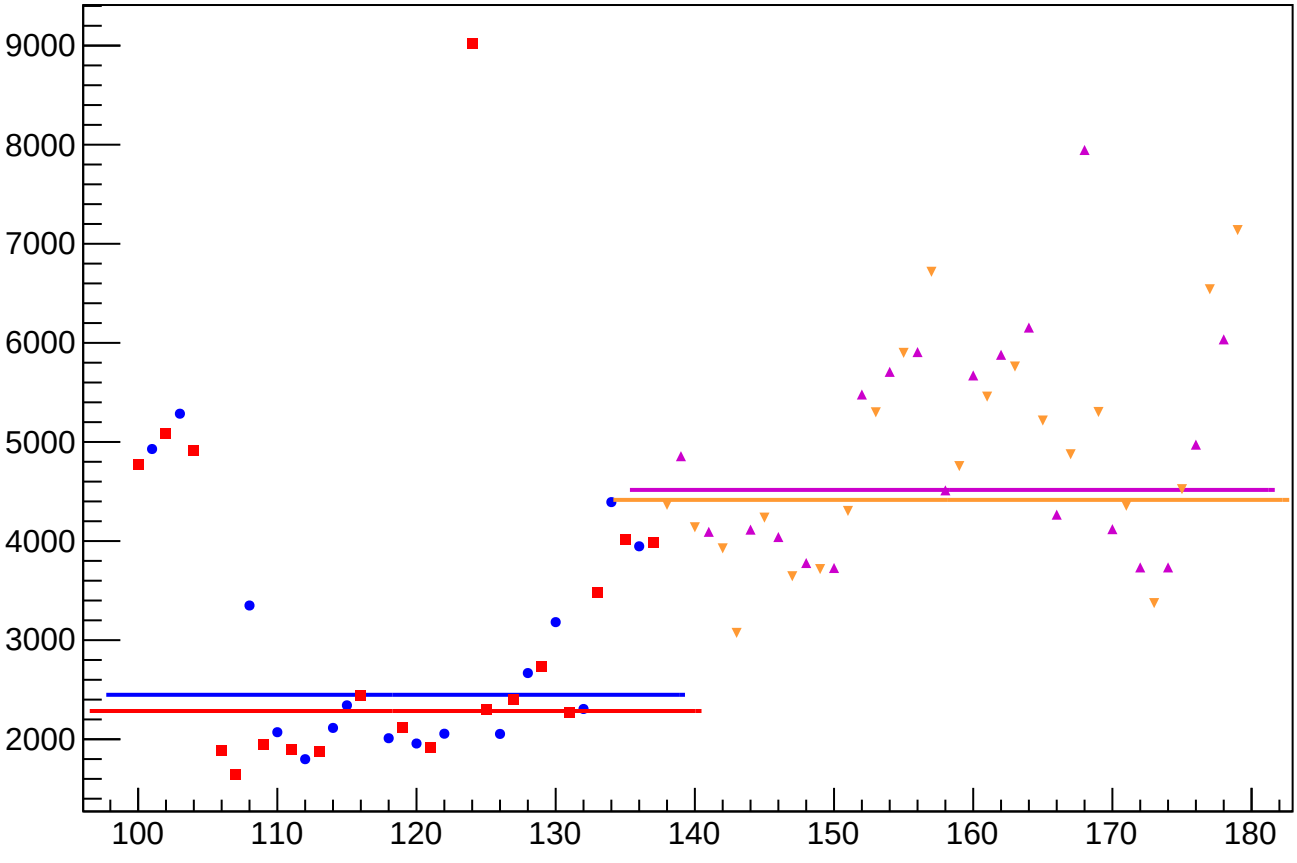
Left In: 454.964+/-1143.643 χ^2/NDF:10.6/19

\+ sign 320.710+/-721.816 χ^2/NDF: 46.2/37

All: 414.506+/-502.288 χ^2/NDF: 75.6/76

\- sign 502.567+/-699.399 χ^2/NDF: 29.3/38

asym_atl_dd_dit_correction_rms vs Slug



Right In: 2448.598+/-0.682 χ^2/NDF: 1517585.7/15

Left Out: 4415.587+/-0.769 χ^2/NDF:1605337.0/21

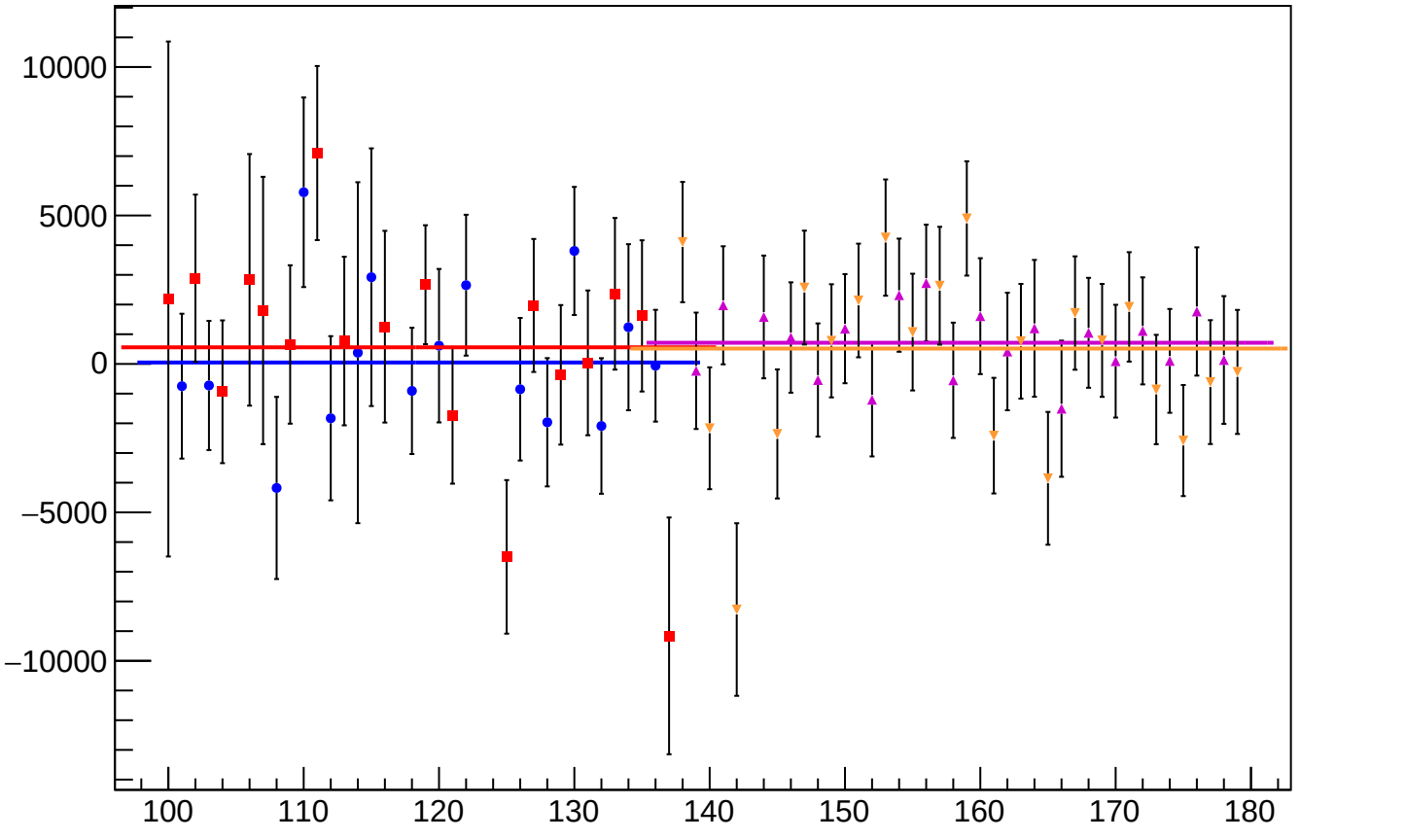
Right Out: 2285.075+/-0.625 χ^2/NDF: 1548819.2/18

Left In: 4516.192+/-0.809 χ^2/NDF:1267452.0/19

+ sign 3314.325+/-0.510 χ^2/NDF: 6782650.2/37

All: 3213.844+/-0.355 χ^2/NDF: 14439141.5/7

- sign 3119.507+/-0.495 χ^2/NDF: 7581348.4/38



Right In: 48.329+/-626.151 χ^2/NDF: 12.8/15

Left Out: 518.236+/-434.726 χ^2/NDF:38.5/20

Right Out: 559.600+/-645.291 χ^2/NDF: 23.3/17

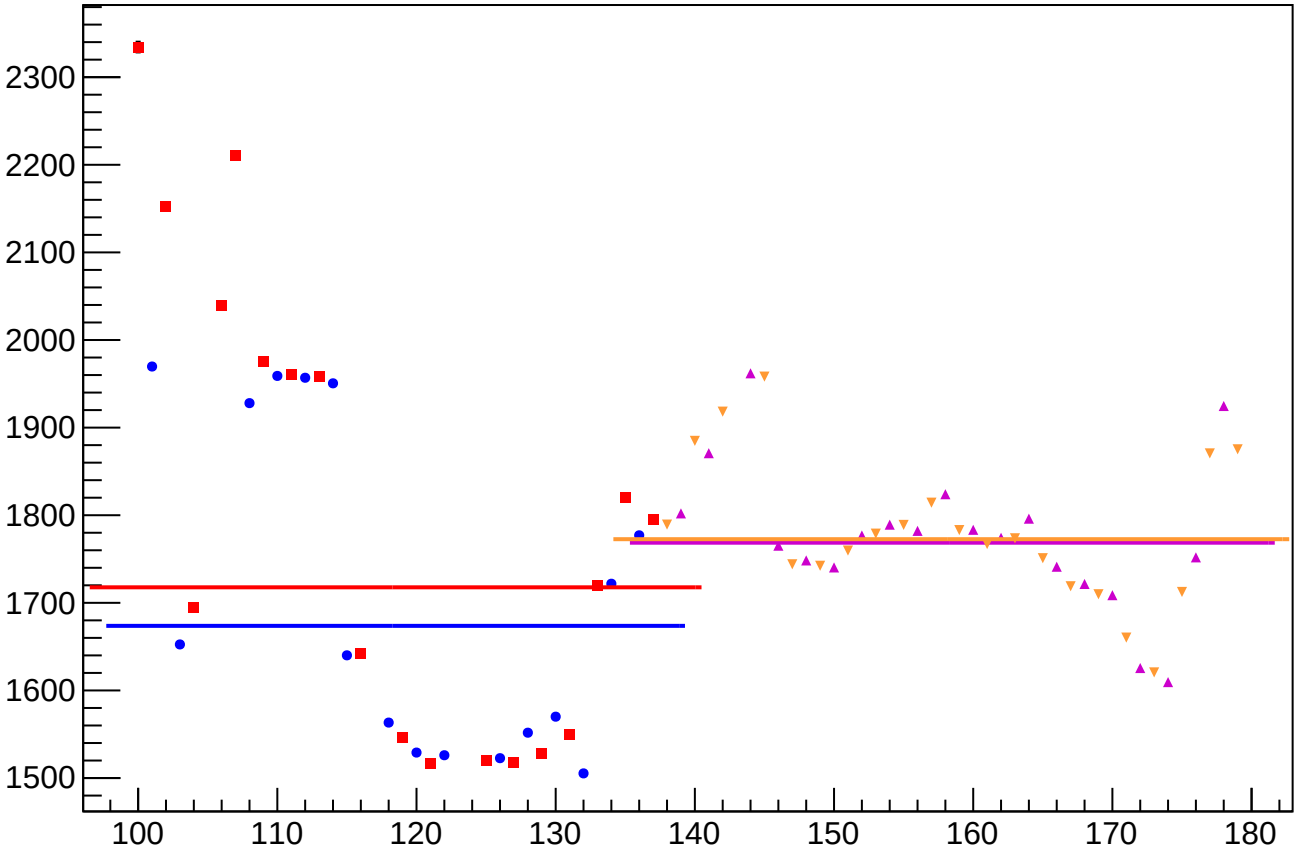
Left In: 713.189+/-438.024 χ^2/NDF:6.3/19

+ sign 365.399+/-357.098 χ^2/NDF: 51.7/36

All: 512.859+/-254.366 χ^2/NDF: 81.7/74

- sign 664.743+/-362.416 χ^2/NDF: 29.7/37

eigen_dit_asym_atl_dd_rms vs Slug



Right In: 1673.728+/-0.443 χ^2/NDF: 140873.1/15

Left Out: 1772.649+/-0.307 χ^2/NDF:64192.5/20

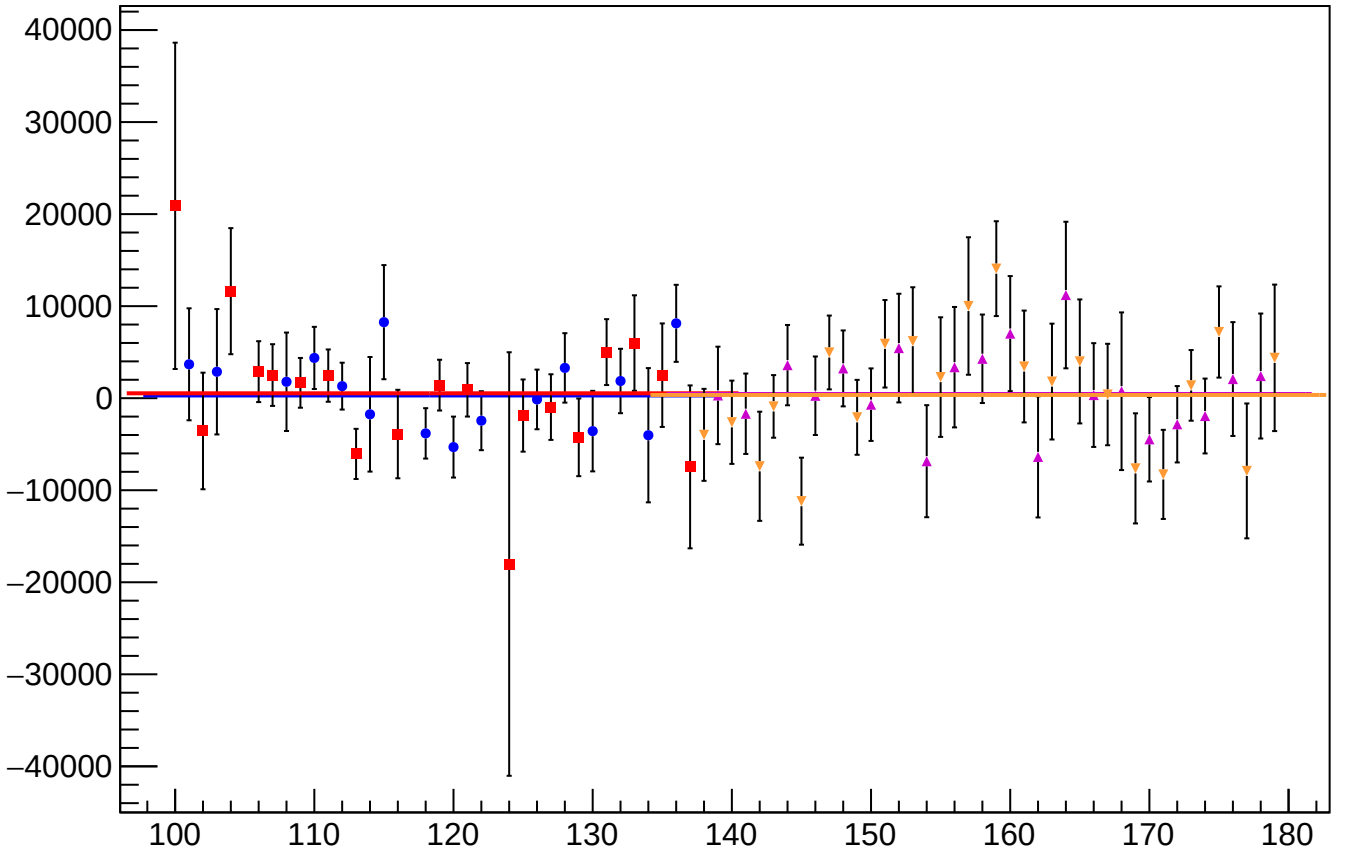
Right Out: 1717.713+/-0.455 χ^2/NDF: 227641.3/17

Left In: 1768.639+/-0.310 χ^2/NDF:69819.6/19

+ sign 1740.475+/-0.253 χ^2/NDF: 238746.7/36

All: 1746.415+/-0.180 χ^2/NDF: 545884.8/74

- sign 1752.525+/-0.256 χ^2/NDF: 306015.5/37



Right In: 296.511+/-964.673 χ^2/NDF: 15.3/15

Left Out: 351.490+/-1088.022 χ^2/NDF:31.0/21

Right Out: 531.009+/-883.966 χ^2/NDF: 18.8/18

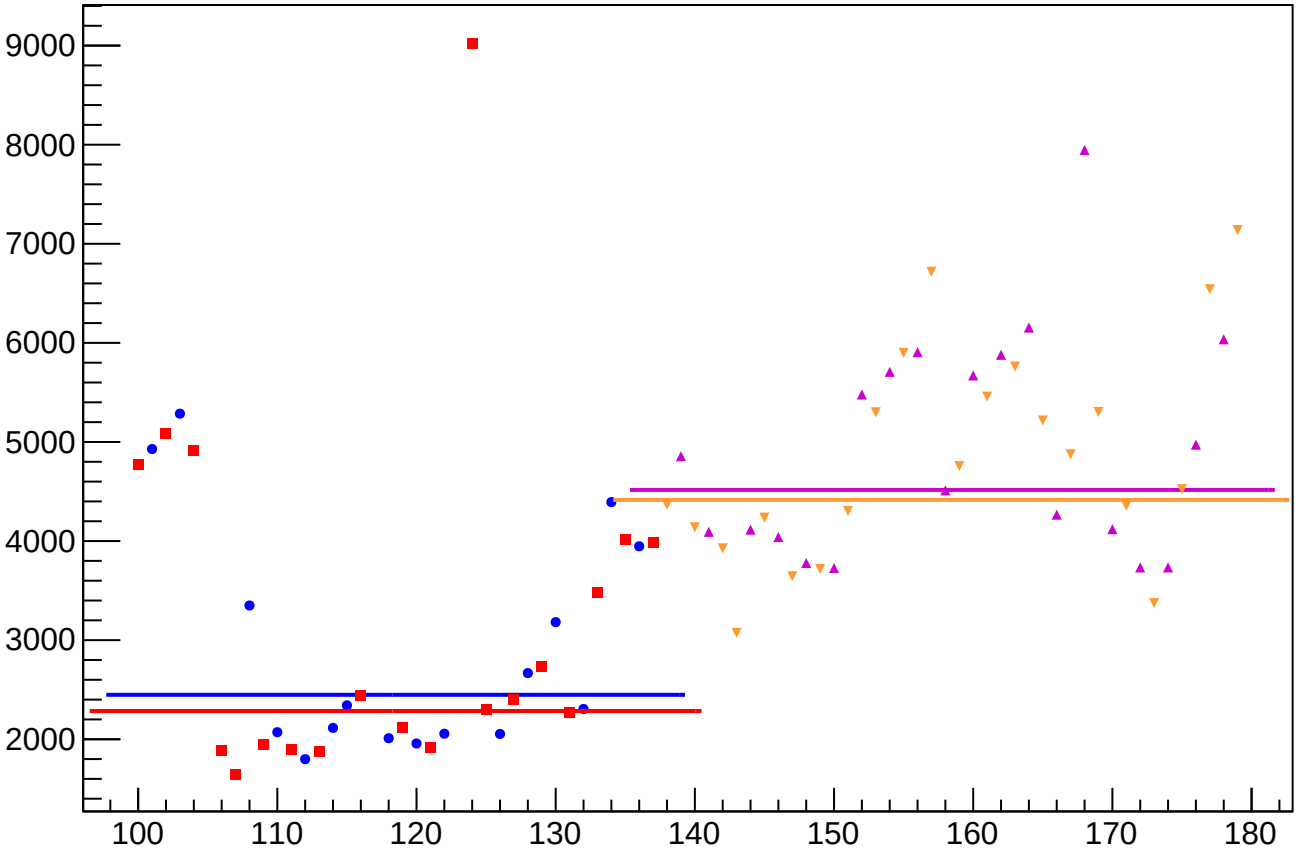
Left In: 454.965+/-1143.645 χ^2/NDF:10.6/19

\+ sign 320.708+/-721.815 χ^2/NDF: 46.2/37

All: 414.506+/-502.287 χ^2/NDF: 75.6/76

\- sign 502.569+/-699.398 χ^2/NDF: 29.3/38

asym_atl_dd_eigen_dit_correction_rms vs Slug



Right In: 2448.587+/-0.682 χ^2/NDF: 1517598.4/15

Left Out: 4415.594+/-0.769 χ^2/NDF:1605339.8/21

Right Out: 2285.066+/-0.625 χ^2/NDF: 1548827.3/18

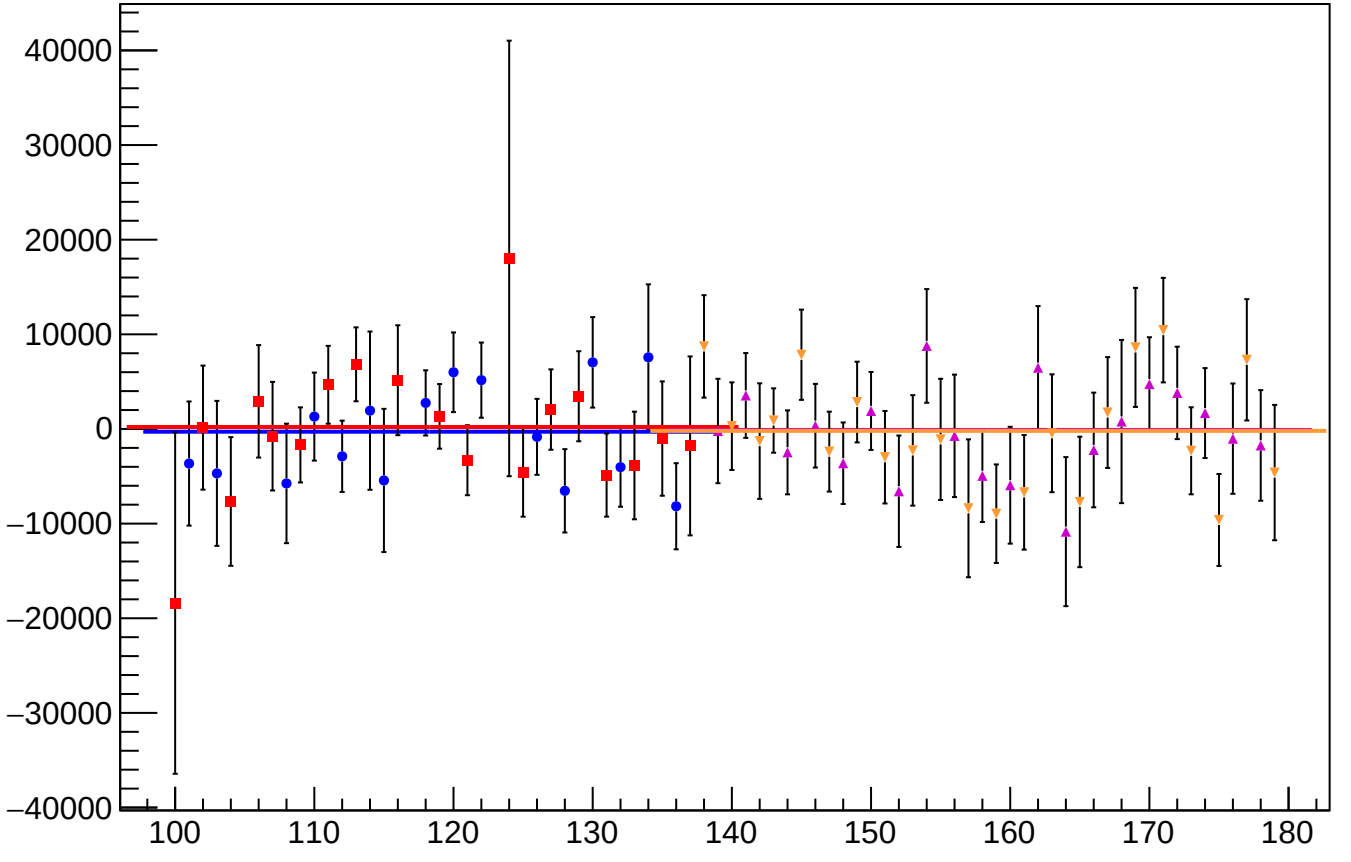
Left In: 4516.199+/-0.809 χ^2/NDF:1267452.6/19

+ sign 3314.316+/-0.510 χ^2/NDF: 6782737.6/37

All: 3213.836+/-0.355 χ^2/NDF: 14439308.1/7

- sign 3119.499+/-0.495 χ^2/NDF: 7581427.5/38

asym_atl_dd_mean vs Slug



Right In: -287.276+/-1197.339 χ^2/NDF: 16.6/15

Left Out: -201.148+/-1121.194 χ^2/NDF:24.9/21

Right Out: 209.473+/-1153.742 χ^2/NDF: 12.9/18

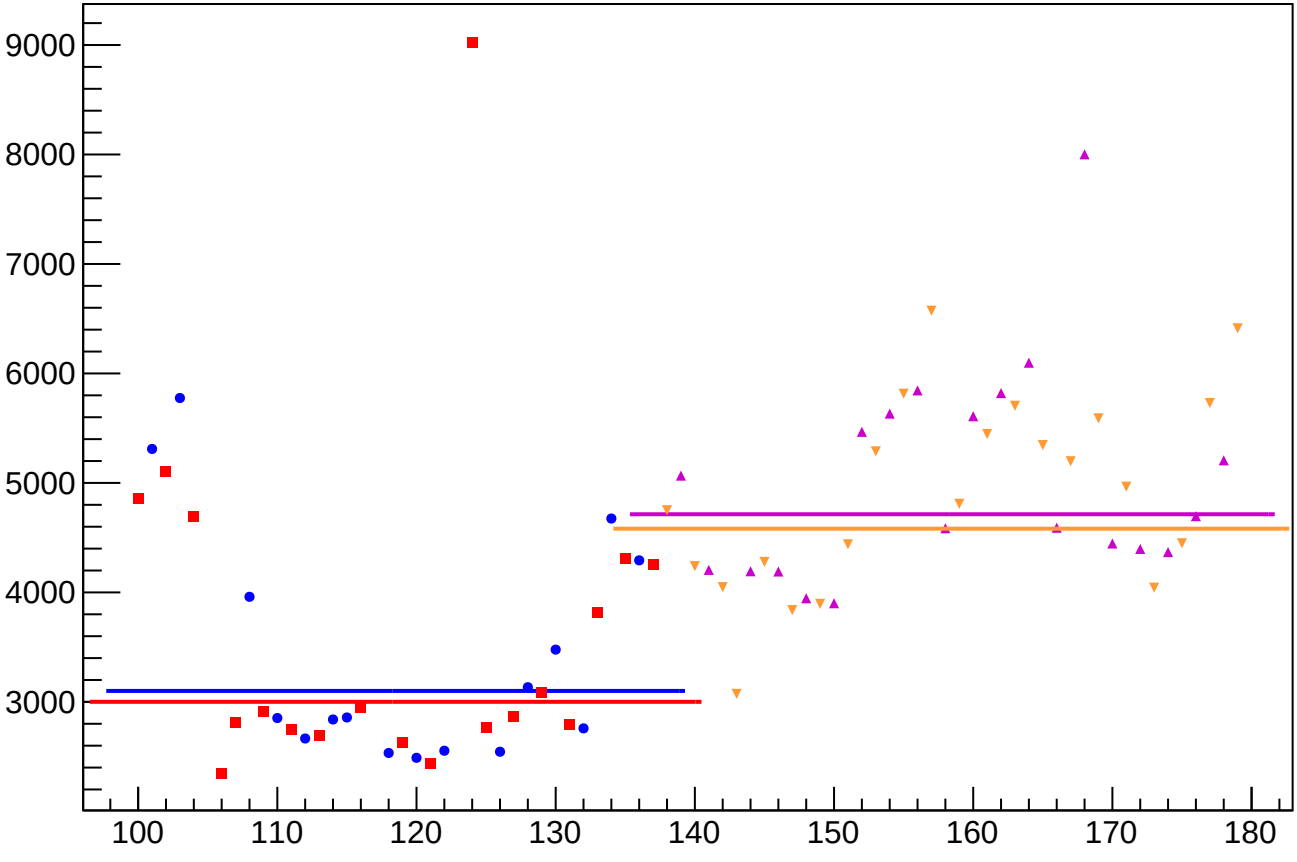
Left In: -103.472+/-1184.815 χ^2/NDF:12.0/19

+ sign -241.386+/-818.400 χ^2/NDF: 41.5/37

All: -93.600+/-581.569 χ^2/NDF: 66.4/76

- sign 57.158+/-826.586 χ^2/NDF: 24.9/38

asym_atl_dd_rms vs Slug



Right In: 3100.135+/-0.847 χ^2/NDF: 963669.6/15

Left Out: 4582.171+/-0.793 χ^2/NDF:1239784.4/21

Right Out: 3000.750+/-0.805 χ^2/NDF: 806601.4/18

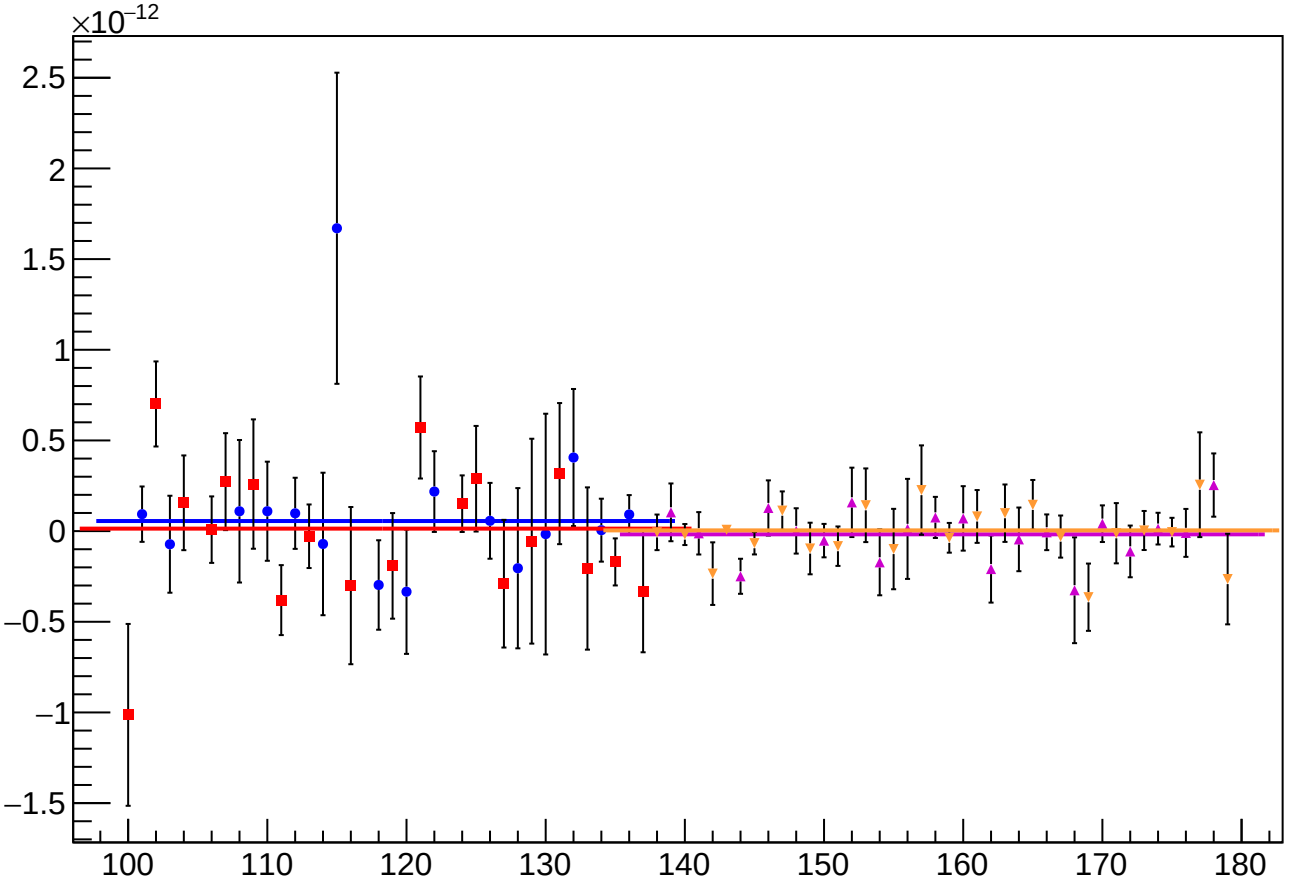
Left In: 4713.830+/-0.838 χ^2/NDF:865230.9/19

+ sign 3889.772+/-0.579 χ^2/NDF: 3836069.8/37

All: 3856.436+/-0.410 χ^2/NDF: 7689003.2/76

- sign 3822.904+/-0.580 χ^2/NDF: 3846277.2/38

asym_atl_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 9.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.1/21

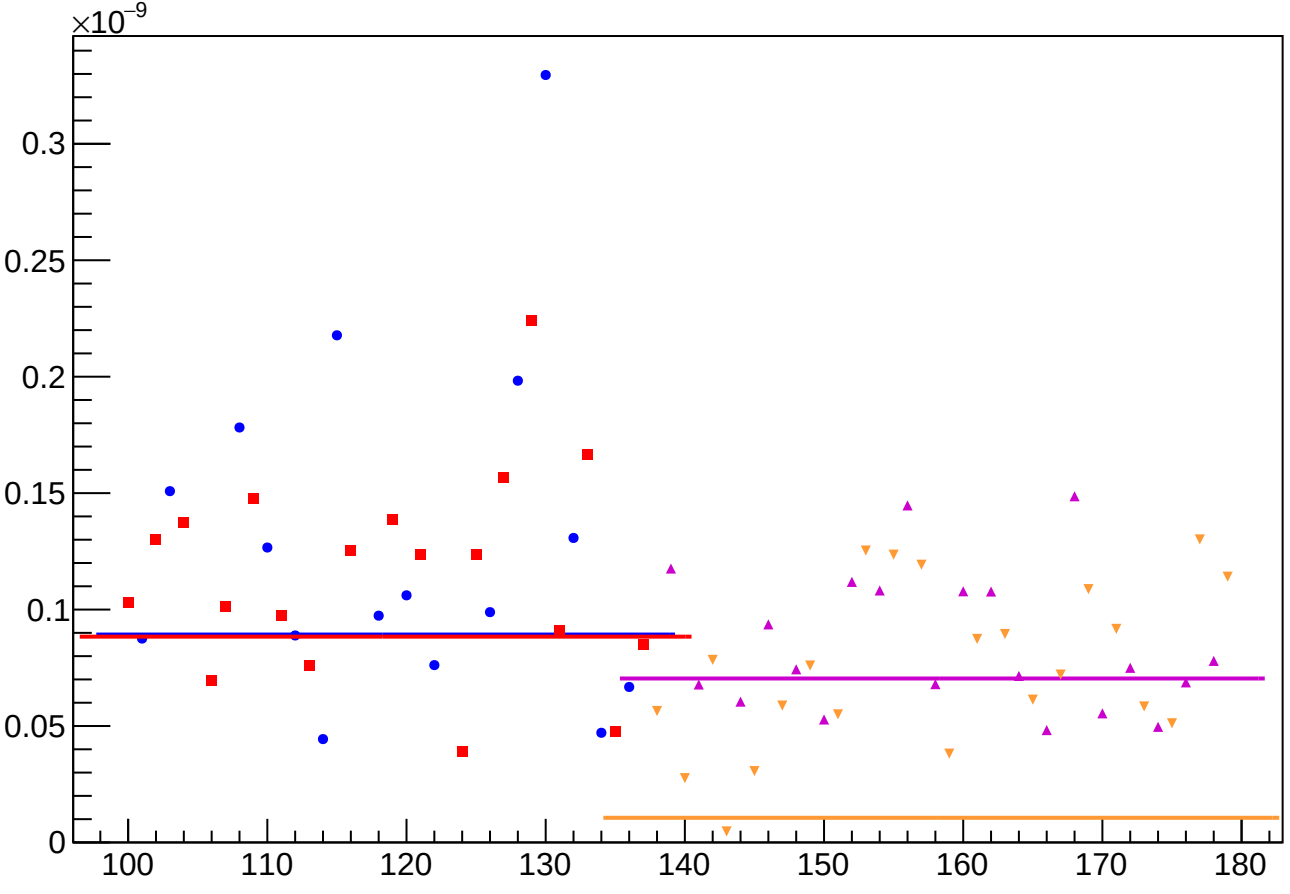
Right Out: 0.000+/-0.000 χ^2/NDF: 30.0/18

Left In: -0.000+/-0.000 χ^2/NDF:15.4/19

+ sign 0.000+/-0.000 χ^2/NDF: 25.2/37

All: 0.000+/-0.000 χ^2/NDF: 71.3/76

- sign -0.000+/-0.000 χ^2/NDF: 45.7/38



Right In: 0.000+/-0.000 χ^2/NDF: 949608.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:9456782.8/21

Right Out: 0.000+/-0.000 χ^2/NDF: 1013814.1/18

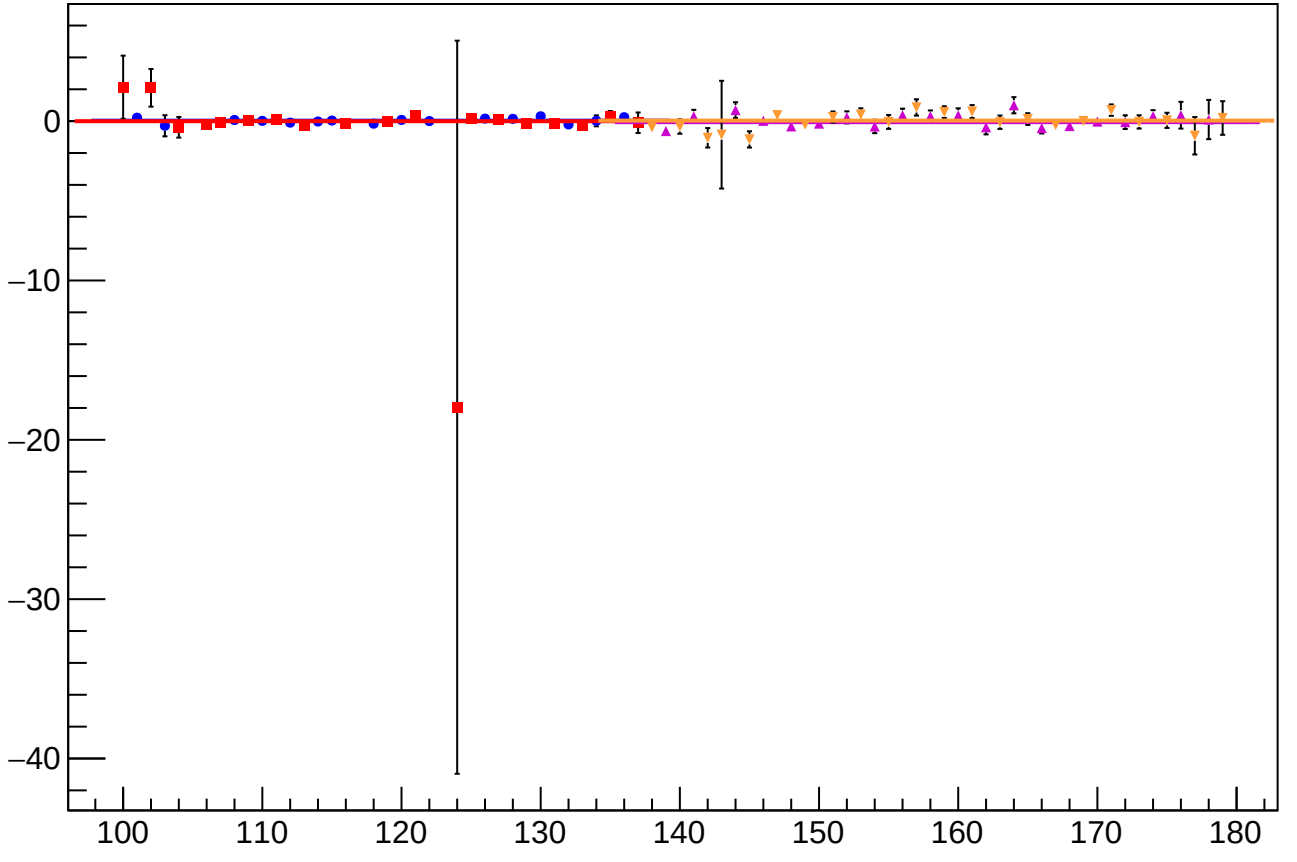
Left In: 0.000+/-0.000 χ^2/NDF:1223962.3/19

+ sign 0.000+/-0.000 χ^2/NDF: 14203239.7/37

All: 0.000+/-0.000 χ^2/NDF: 26992298.0/76

- sign 0.000+/-0.000 χ^2/NDF: 2400607.5/38

asym_atl_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: 0.034+/-0.078 χ^2/NDF:27.0/21

Right Out: -0.003+/-0.043 χ^2/NDF: 22.4/18

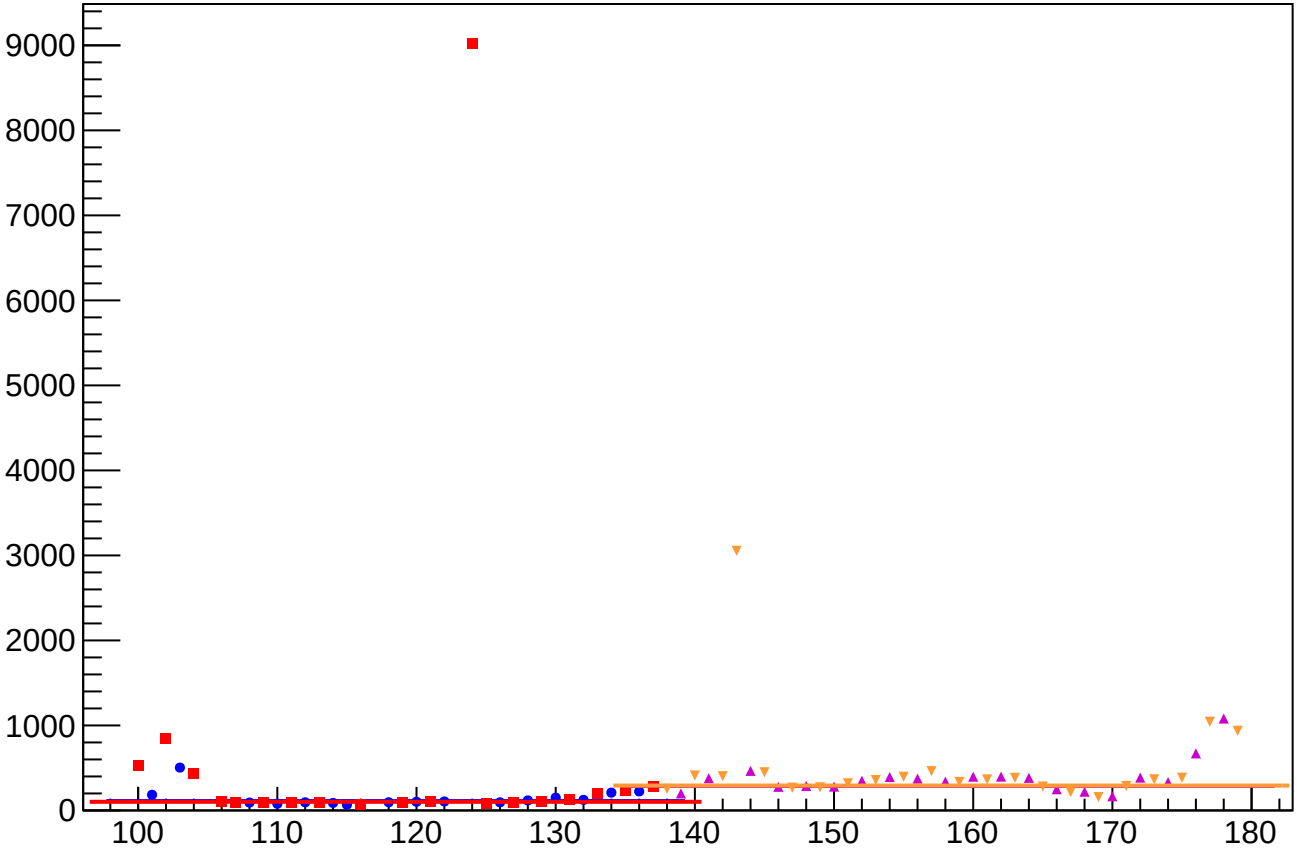
Left In: -0.064+/-0.077 χ^2/NDF:22.5/19

+ sign 0.030+/-0.039 χ^2/NDF: 35.9/37

All: 0.005+/-0.027 χ^2/NDF: 81.9/76

- sign -0.018+/-0.038 χ^2/NDF: 45.3/38

asym_atl_dd_dit_vs_cor_diff_rms vs Slug



Right In: 109.988+/-0.032 χ^2/NDF: 1930558.2/15

Left Out: 292.835+/-0.055 χ^2/NDF:5459315.3/21

Right Out: 101.852+/-0.031 χ^2/NDF: 2589792.8/18

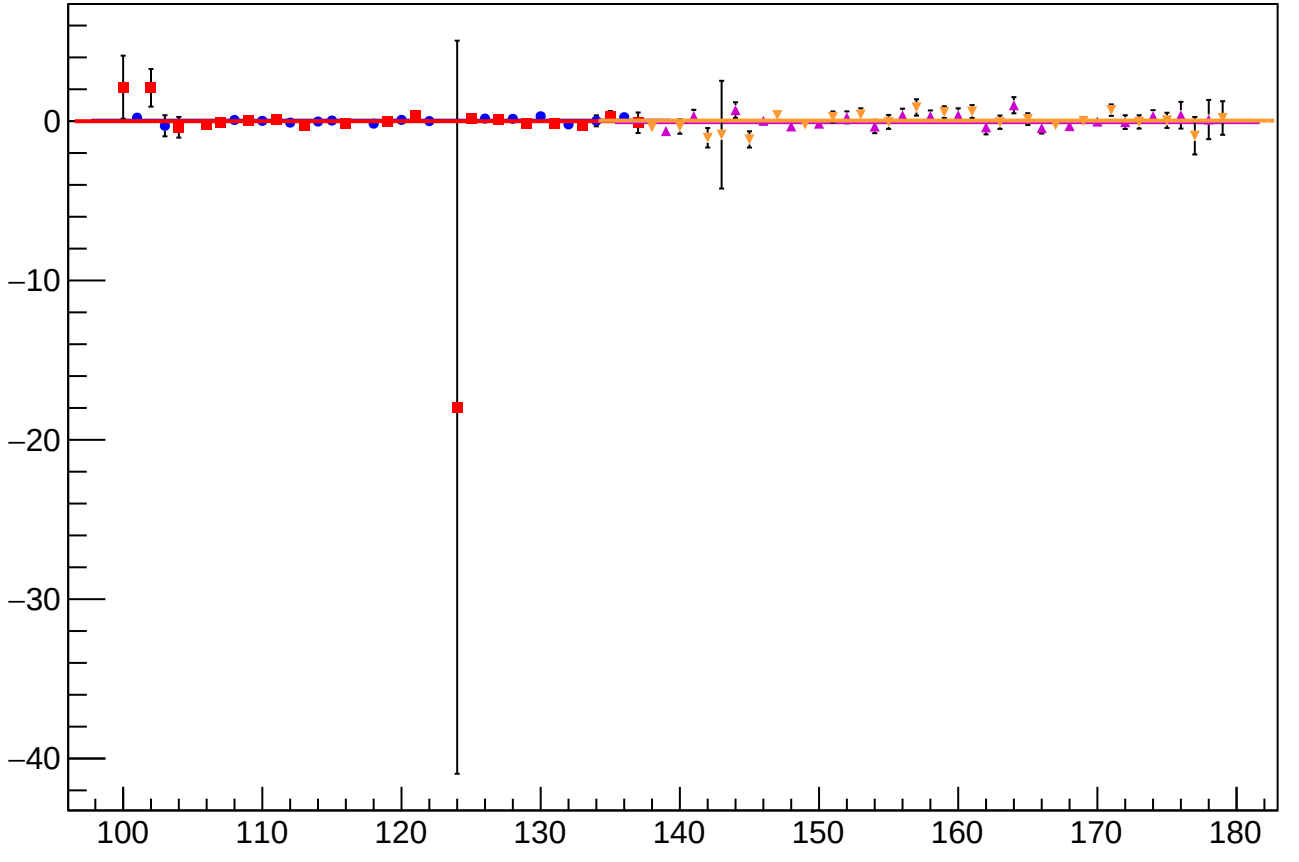
Left In: 287.543+/-0.054 χ^2/NDF:3658075.0/19

+ sign 156.196+/-0.028 χ^2/NDF: 15624125.6/37

All: 151.331+/-0.019 χ^2/NDF: 30807510.3/76

- sign 146.809+/-0.027 χ^2/NDF: 15123826.5/38

asym_atl_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: 0.034+/-0.078 χ^2/NDF:27.0/21

Right Out: -0.003+/-0.043 χ^2/NDF: 22.4/18

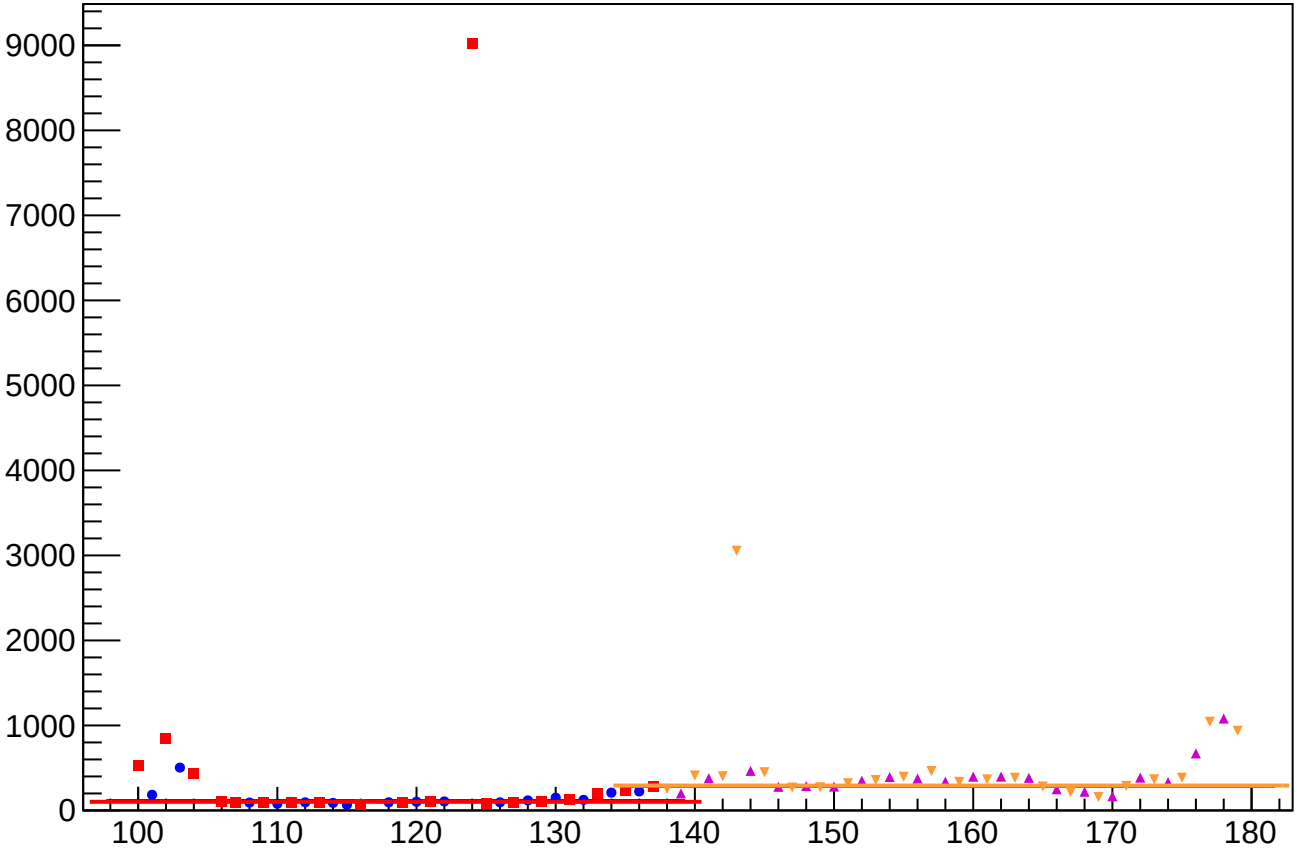
Left In: -0.064+/-0.077 χ^2/NDF:22.5/19

+ sign 0.030+/-0.039 χ^2/NDF: 35.9/37

All: 0.005+/-0.027 χ^2/NDF: 81.9/76

- sign -0.018+/-0.038 χ^2/NDF: 45.3/38

asym_atl_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 109.988+/-0.032 χ^2/NDF: 1930558.2/15

Left Out: 292.835+/-0.055 χ^2/NDF:5459315.3/21

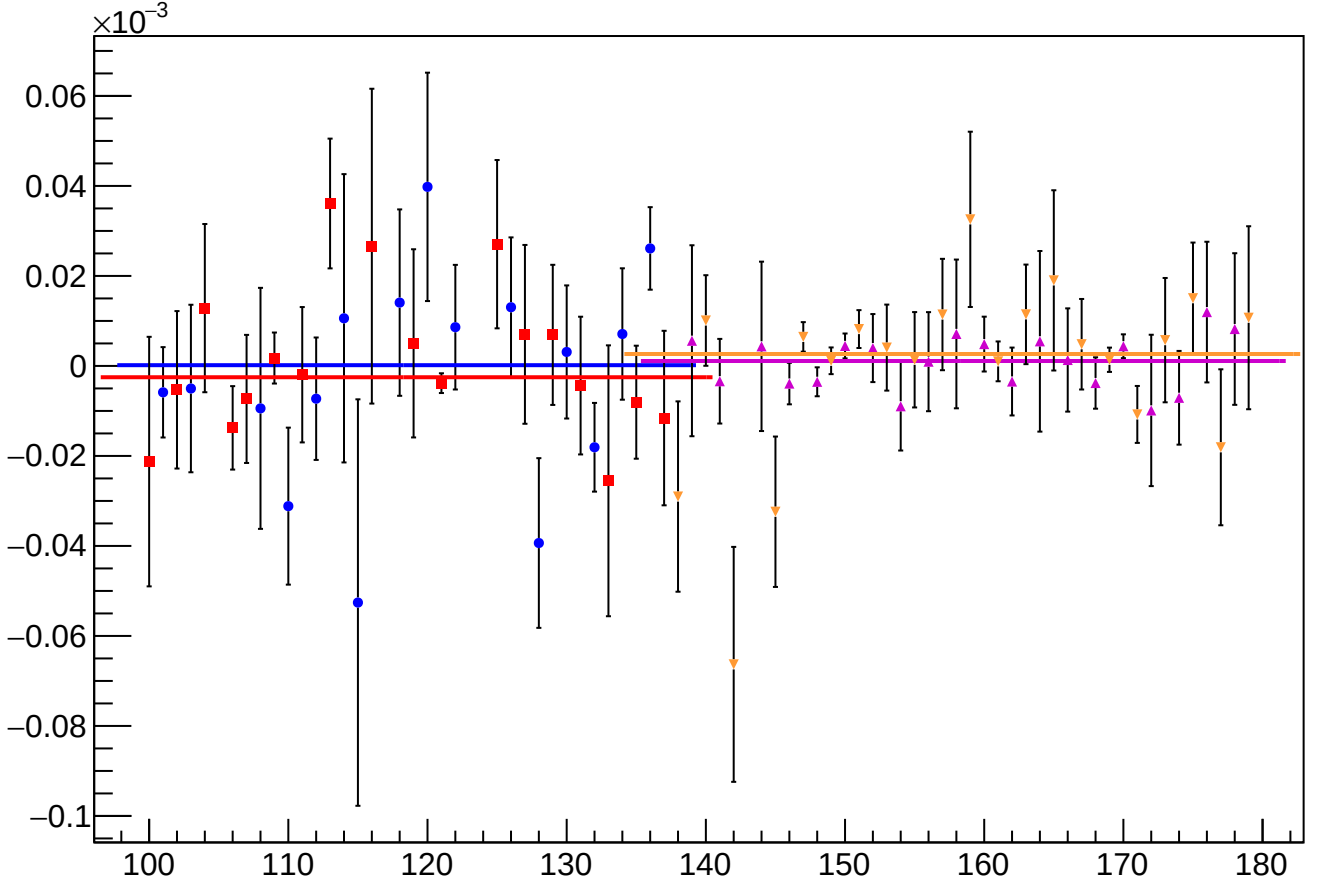
Right Out: 101.852+/-0.031 χ^2/NDF: 2589792.8/18

Left In: 287.543+/-0.054 χ^2/NDF:3658075.0/19

+ sign 156.196+/-0.028 χ^2/NDF: 15624125.6/37

All: 151.331+/-0.019 χ^2/NDF: 30807510.3/76

- sign 146.809+/-0.027 χ^2/NDF: 15123826.5/38



Right In: 0.000+/-0.000 χ^2/NDF: 25.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:29.3/20

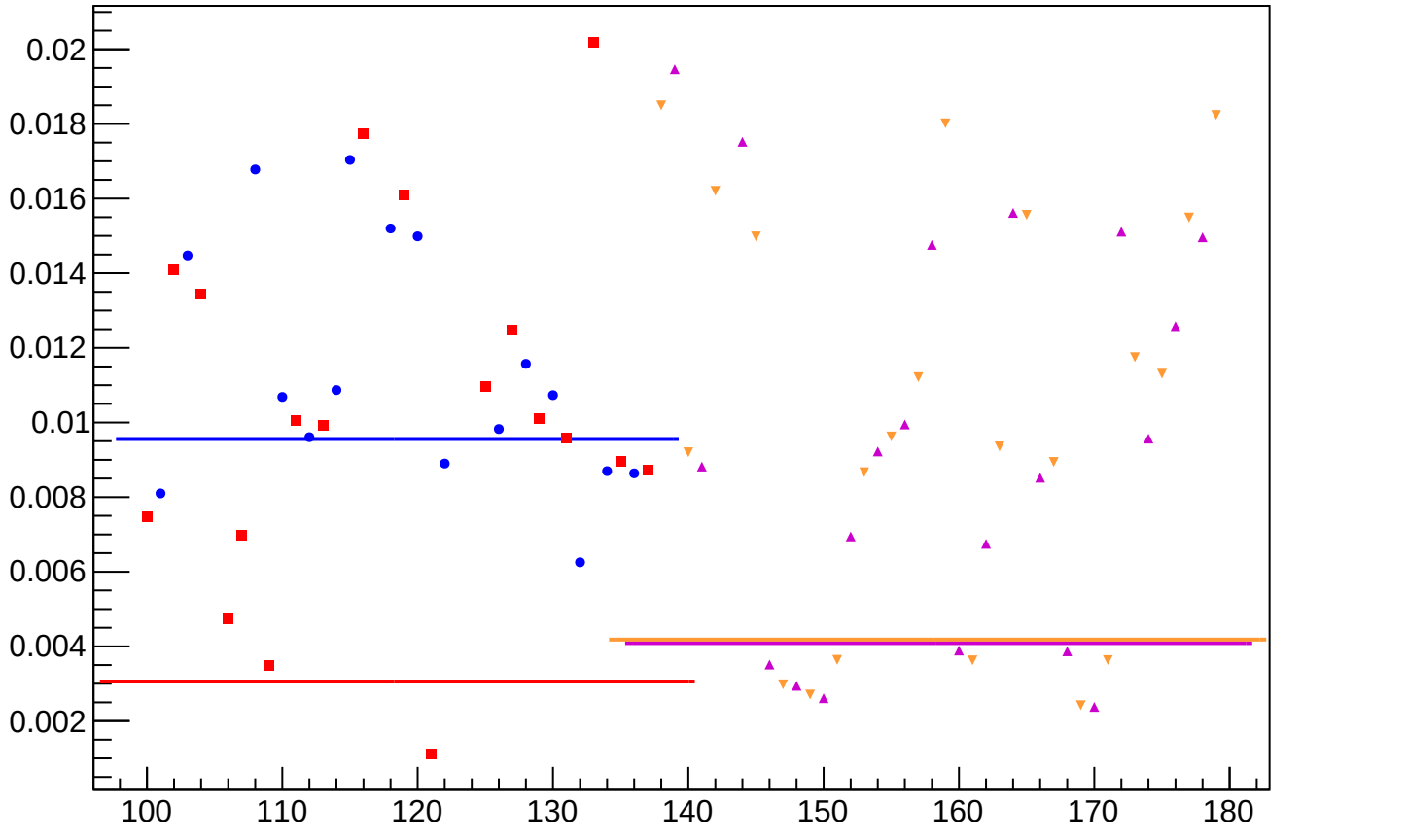
Right Out: -0.000+/-0.000 χ^2/NDF: 15.8/17

Left In: 0.000+/-0.000 χ^2/NDF:11.1/19

+ sign 0.000+/-0.000 χ^2/NDF: 55.3/36

All: 0.000+/-0.000 χ^2/NDF: 87.0/74

- sign -0.000+/-0.000 χ^2/NDF: 29.5/37



Right In: 0.010+/-0.000 χ^2/NDF: 926018.8/15

Left Out: 0.004+/-0.000 χ^2/NDF:11590668.1/20

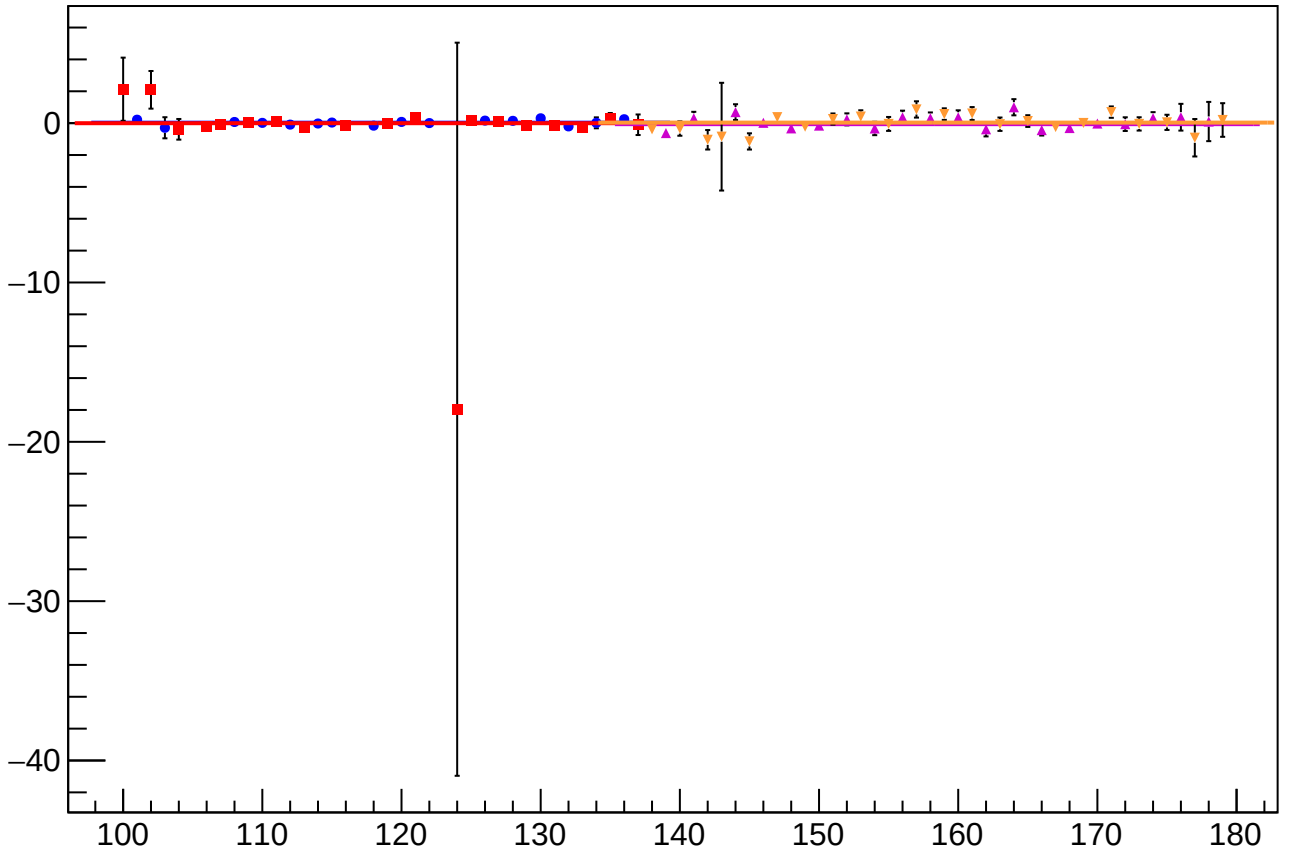
Right Out: 0.003+/-0.000 χ^2/NDF: 8122378.4/17

Left In: 0.004+/-0.000 χ^2/NDF:10547945.1/19

+ sign 0.005+/-0.000 χ^2/NDF: 16198125.3/36

All: 0.004+/-0.000 χ^2/NDF: 36106990.7/74

- sign 0.004+/-0.000 χ^2/NDF: 19089497.9/37



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: 0.034+/-0.078 χ^2/NDF:27.0/21

Right Out: -0.003+/-0.043 χ^2/NDF: 22.4/18

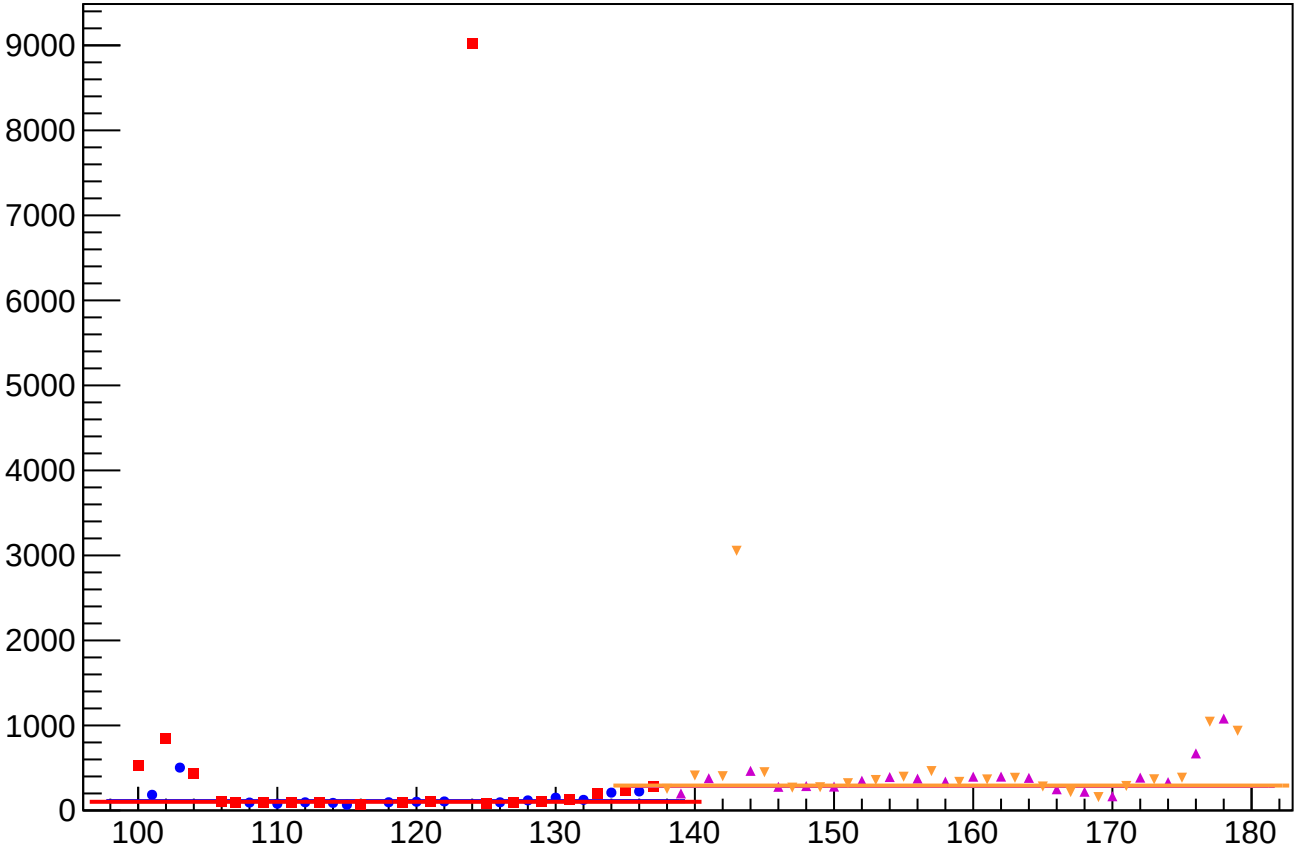
Left In: -0.064+/-0.077 χ^2/NDF:22.5/19

+ sign 0.030+/-0.039 χ^2/NDF: 35.9/37

All: 0.005+/-0.027 χ^2/NDF: 81.9/76

- sign -0.018+/-0.038 χ^2/NDF: 45.3/38

asym_atl_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 109.989+/-0.032 χ^2/NDF: 1930489.2/15

Left Out: 292.837+/-0.055 χ^2/NDF:5459371.7/21

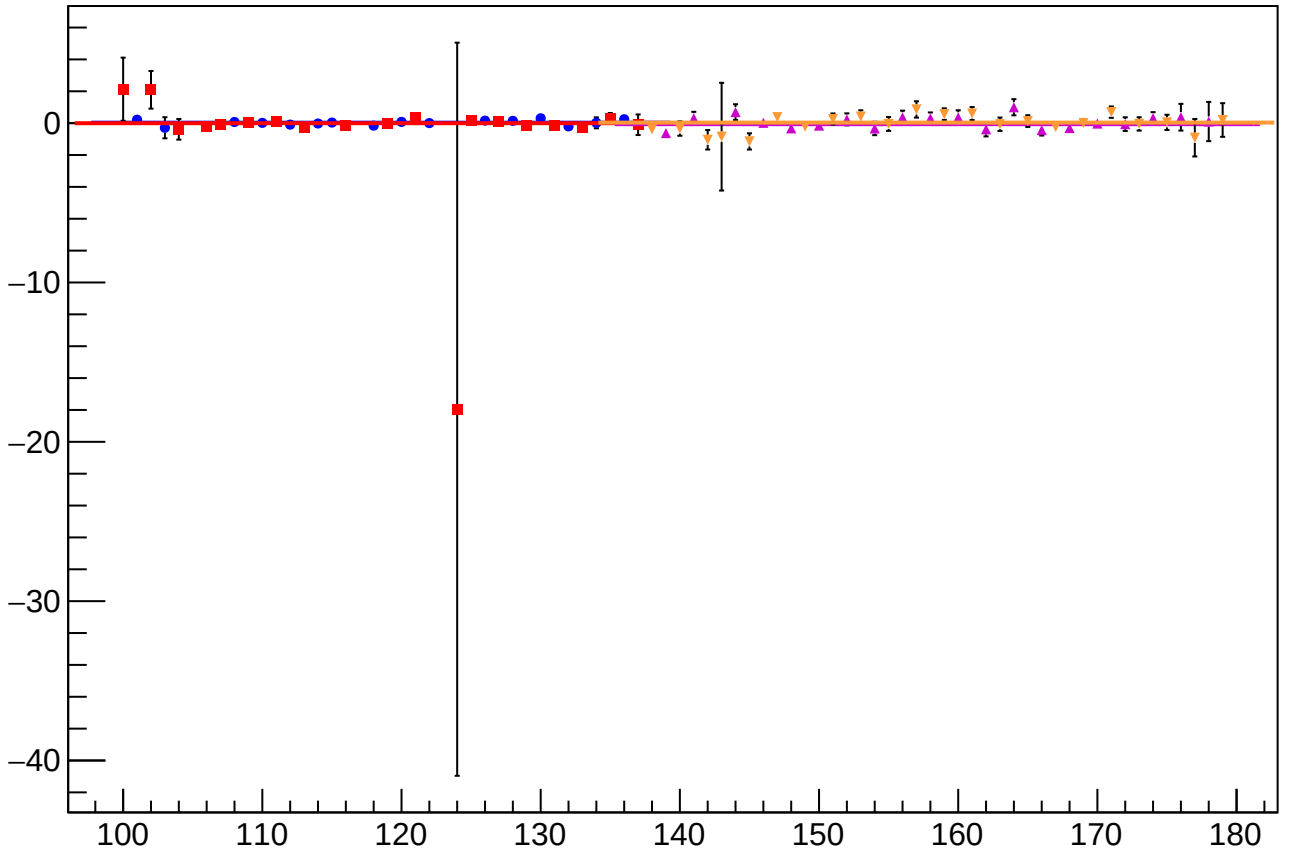
Right Out: 101.853+/-0.031 χ^2/NDF: 2589710.5/18

Left In: 287.546+/-0.054 χ^2/NDF:3658031.0/19

+ sign 156.197+/-0.028 χ^2/NDF: 15624072.5/37

All: 151.333+/-0.019 χ^2/NDF: 30807323.6/76

- sign 146.810+/-0.027 χ^2/NDF: 15123700.8/38



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: 0.034+/-0.078 χ^2/NDF:27.0/21

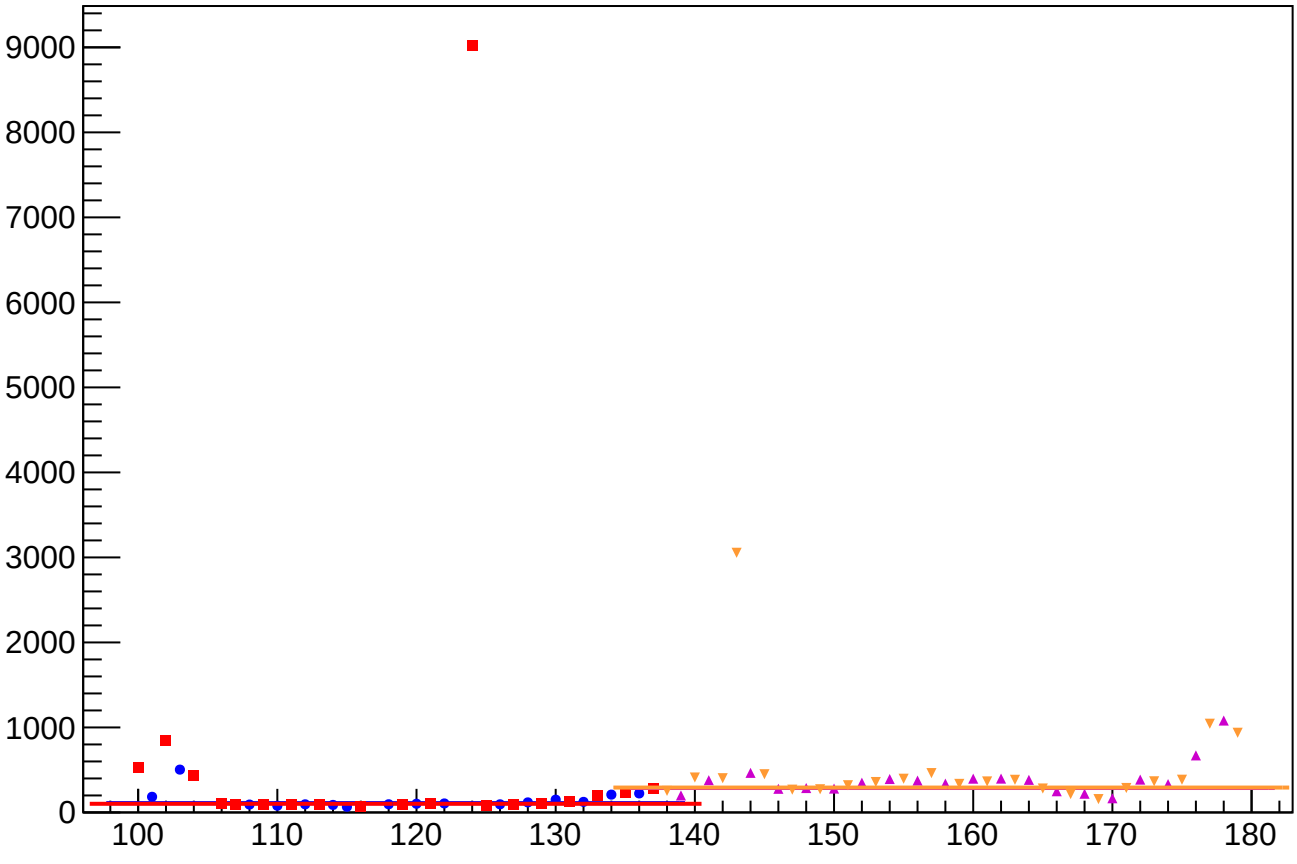
Right Out: -0.003+/-0.043 χ^2/NDF: 22.4/18

Left In: -0.064+/-0.077 χ^2/NDF:22.5/19

+ sign 0.030+/-0.039 χ^2/NDF: 35.9/37

All: 0.005+/-0.027 χ^2/NDF: 81.9/76

- sign -0.018+/-0.038 χ^2/NDF: 45.3/38



Right In: 109.989+/-0.032 χ^2/NDF: 1930489.2/15

Left Out: 292.837+/-0.055 χ^2/NDF:5459371.7/21

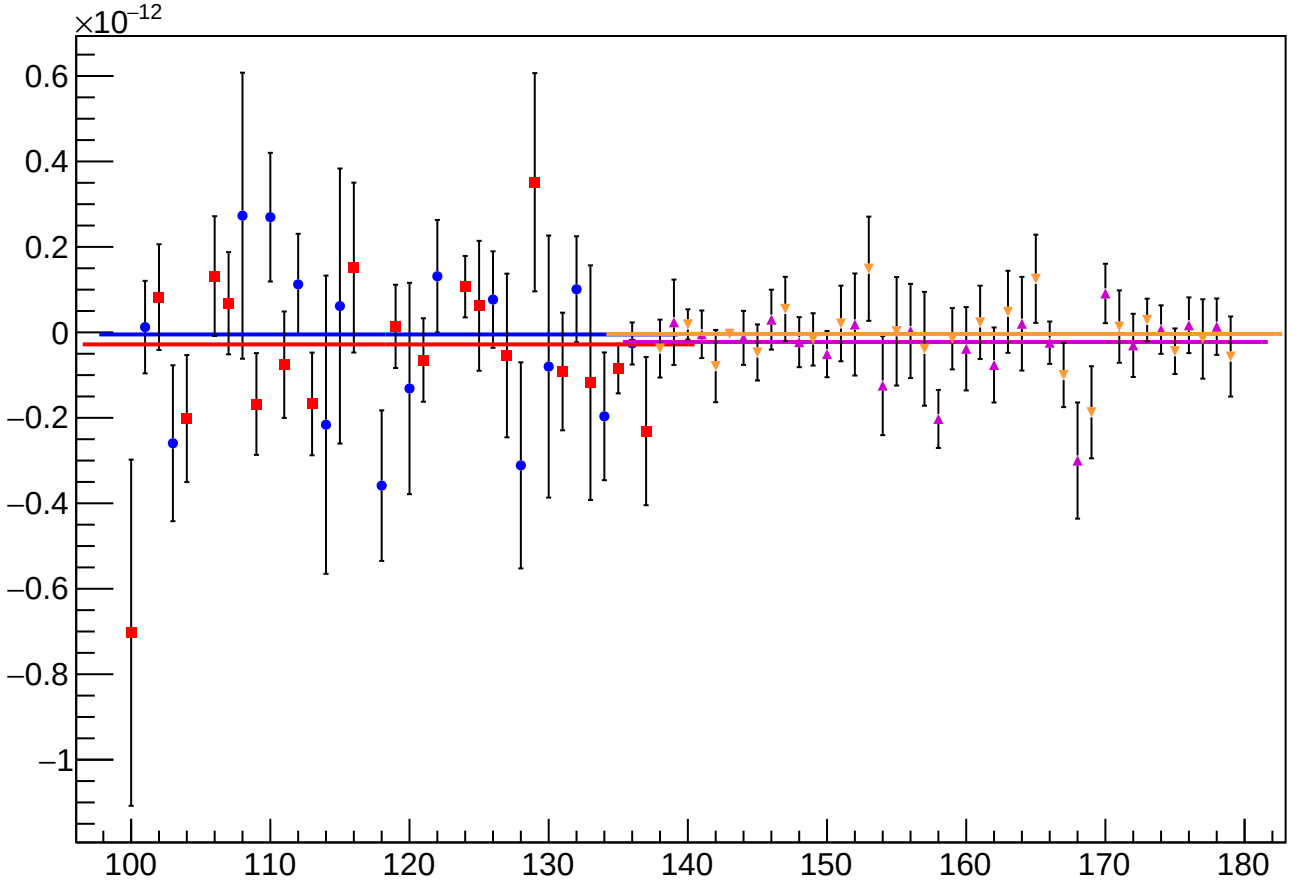
Right Out: 101.853+/-0.031 χ^2/NDF: 2589710.5/18

Left In: 287.546+/-0.054 χ^2/NDF:3658031.0/19

+ sign 156.197+/-0.028 χ^2/NDF: 15624072.5/37

All: 151.333+/-0.019 χ^2/NDF: 30807323.6/76

- sign 146.810+/-0.027 χ^2/NDF: 15123700.8/38



Right In: -0.000+/-0.000 χ^2/NDF: 17.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.2/21

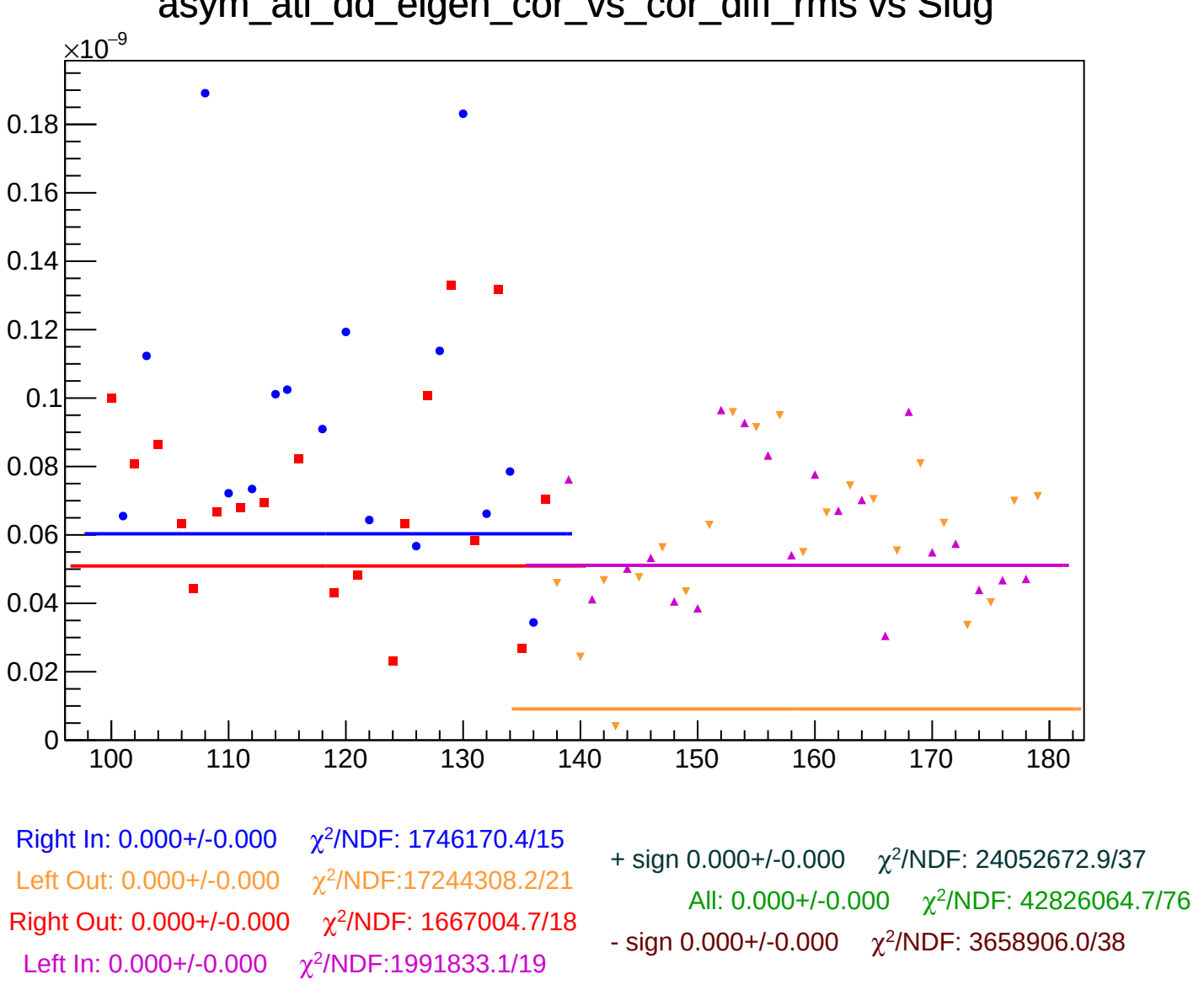
Right Out: -0.000+/-0.000 χ^2/NDF: 19.6/18

Left In: -0.000+/-0.000 χ^2/NDF:17.5/19

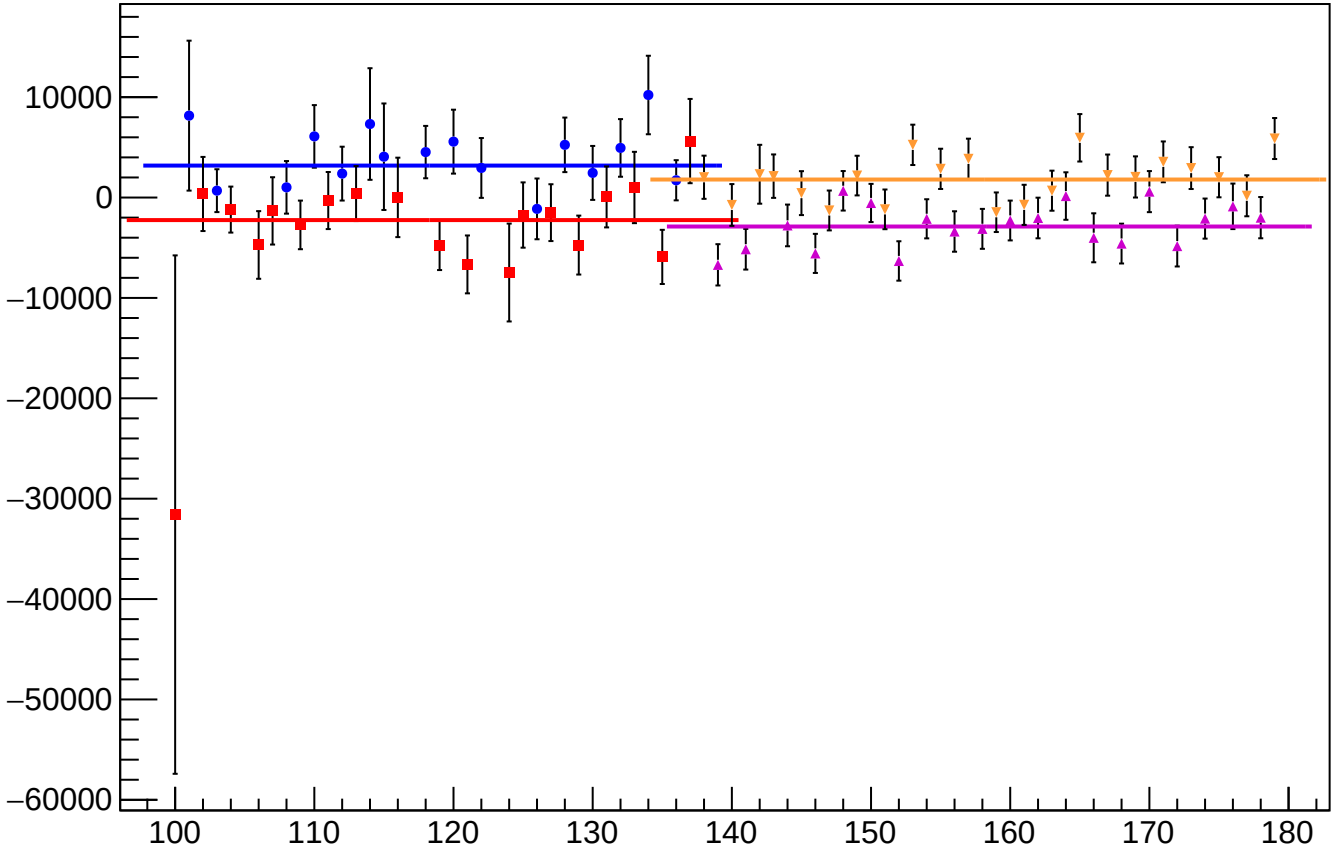
+ sign -0.000+/-0.000 χ^2/NDF: 29.6/37

All: -0.000+/-0.000 χ^2/NDF: 68.7/76

- sign -0.000+/-0.000 χ^2/NDF: 37.1/38


asym_atl_dd_eigen_cor_vs_cor_diff_rms vs Slug
×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
180
Right In: 0.000+/-0.000 χ²/NDF: 1746170.4/15
Left Out: 0.000+/-0.000 χ²/NDF:17244308.2/21
Right Out: 0.000+/-0.000 χ²/NDF: 1667004.7/18
Left In: 0.000+/-0.000 χ²/NDF:1991833.1/19
+ sign 0.000+/-0.000 χ²/NDF: 24052672.9/37
All: 0.000+/-0.000 χ²/NDF: 42826064.7/76
- sign 0.000+/-0.000 χ²/NDF: 3658906.0/38

reg_asym_atr_avg_mean vs Slug



Right In: 3183.705+/-731.133 χ^2/NDF: 11.7/15

Left Out: 1794.692+/-442.308 χ^2/NDF:24.4/21

Right Out: -2246.057+/-710.912 χ^2/NDF: 16.5/18

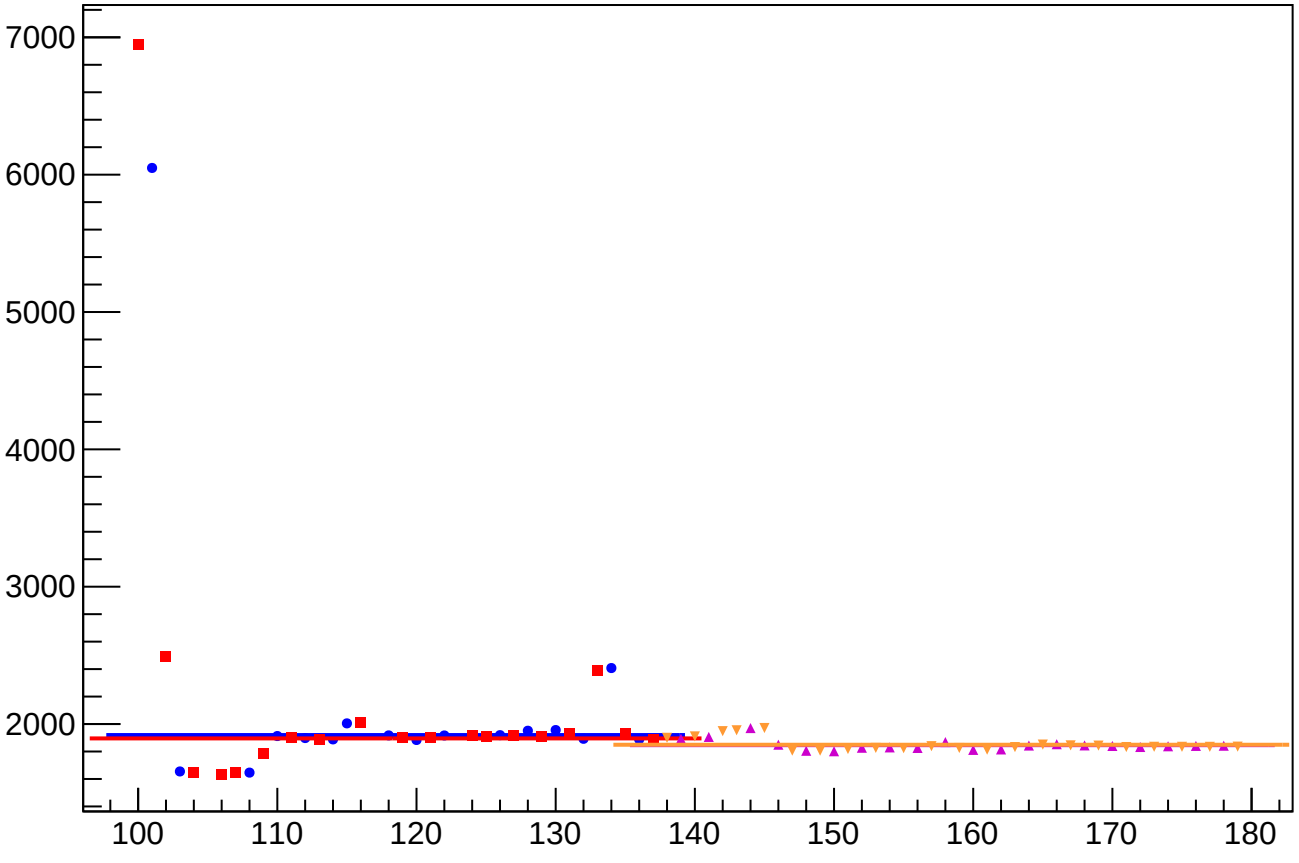
Left In: -2885.901+/-456.725 χ^2/NDF:22.5/19

+ sign 2166.843+/-378.445 χ^2/NDF: 38.7/37

All: -228.976+/-269.633 χ^2/NDF: 159.7/76

- sign -2698.966+/-384.258 χ^2/NDF: 39.5/38

reg_asym_atr_avg_rms vs Slug



Right In: 1919.827+/-0.517 χ^2/NDF: 697331.5/15

Left Out: 1849.239+/-0.313 χ^2/NDF:20699.9/21

Right Out: 1895.361+/-0.501 χ^2/NDF: 222273.9/18

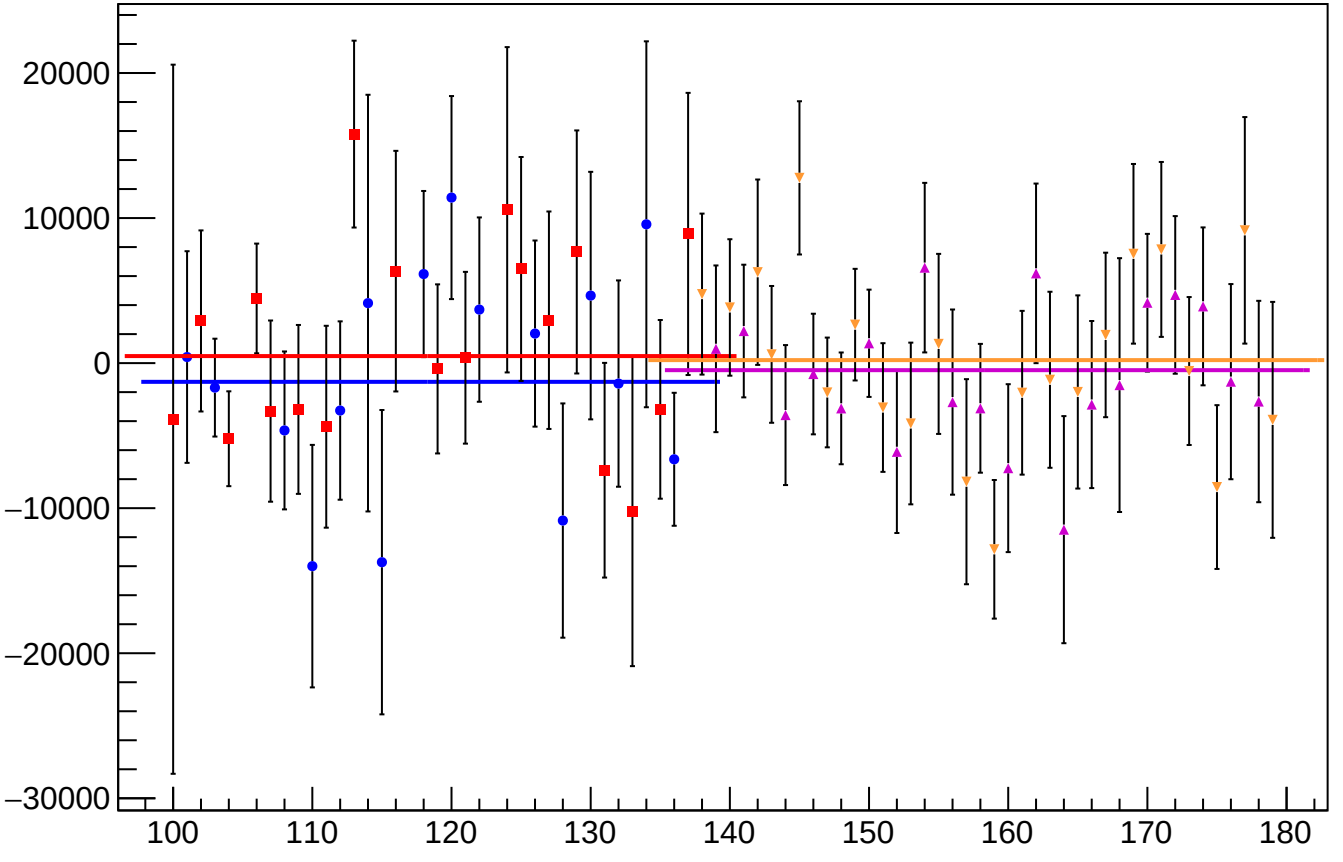
Left In: 1846.146+/-0.323 χ^2/NDF:13914.6/19

+ sign 1868.151+/-0.268 χ^2/NDF: 731679.1/37

All: 1864.427+/-0.191 χ^2/NDF: 975078.7/76

- sign 1860.595+/-0.271 χ^2/NDF: 243006.6/38

asym_atr_avg_reg_correction_mean vs Slug



Right In: -1290.495+/-1585.432 χ^2/NDF: 14.3/15

Left Out: 206.939+/-1146.862 χ^2/NDF:26.0/21

Right Out: 485.214+/-1437.465 χ^2/NDF: 17.2/18

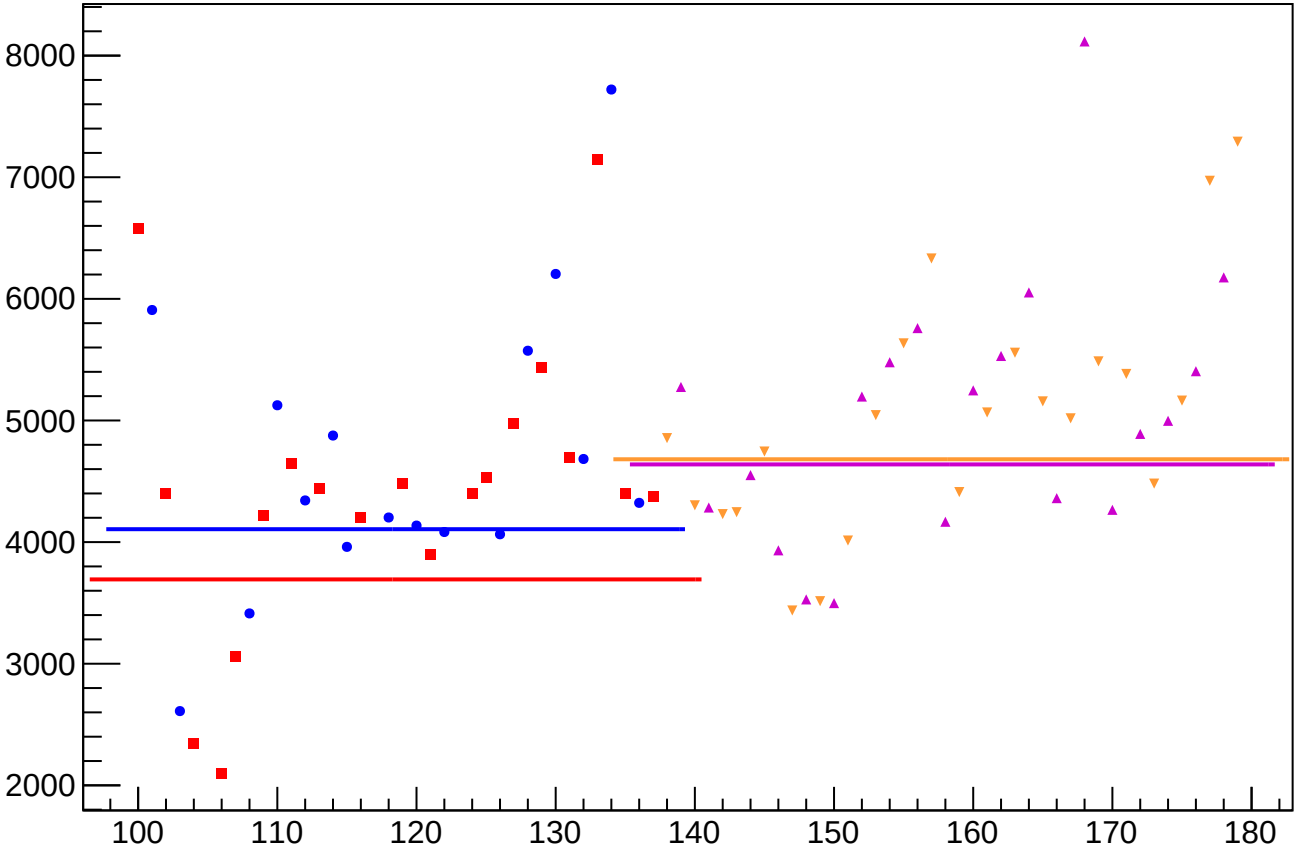
Left In: -486.256+/-1173.465 χ^2/NDF:11.8/19

\+ sign -307.456+/-929.228 χ^2/NDF: 40.9/37

All: -200.302+/-649.805 χ^2/NDF: 70.2/76

\- sign -97.755+/-909.030 χ^2/NDF: 29.3/38

asym_atr_avg_reg_correction_rms vs Slug



Right In: 4106.141+/-1.121 χ^2/NDF: 956130.4/15

Left Out: 4681.087+/-0.811 χ^2/NDF:1183617.2/21

Right Out: 3693.266+/-1.016 χ^2/NDF: 1356643.3/18

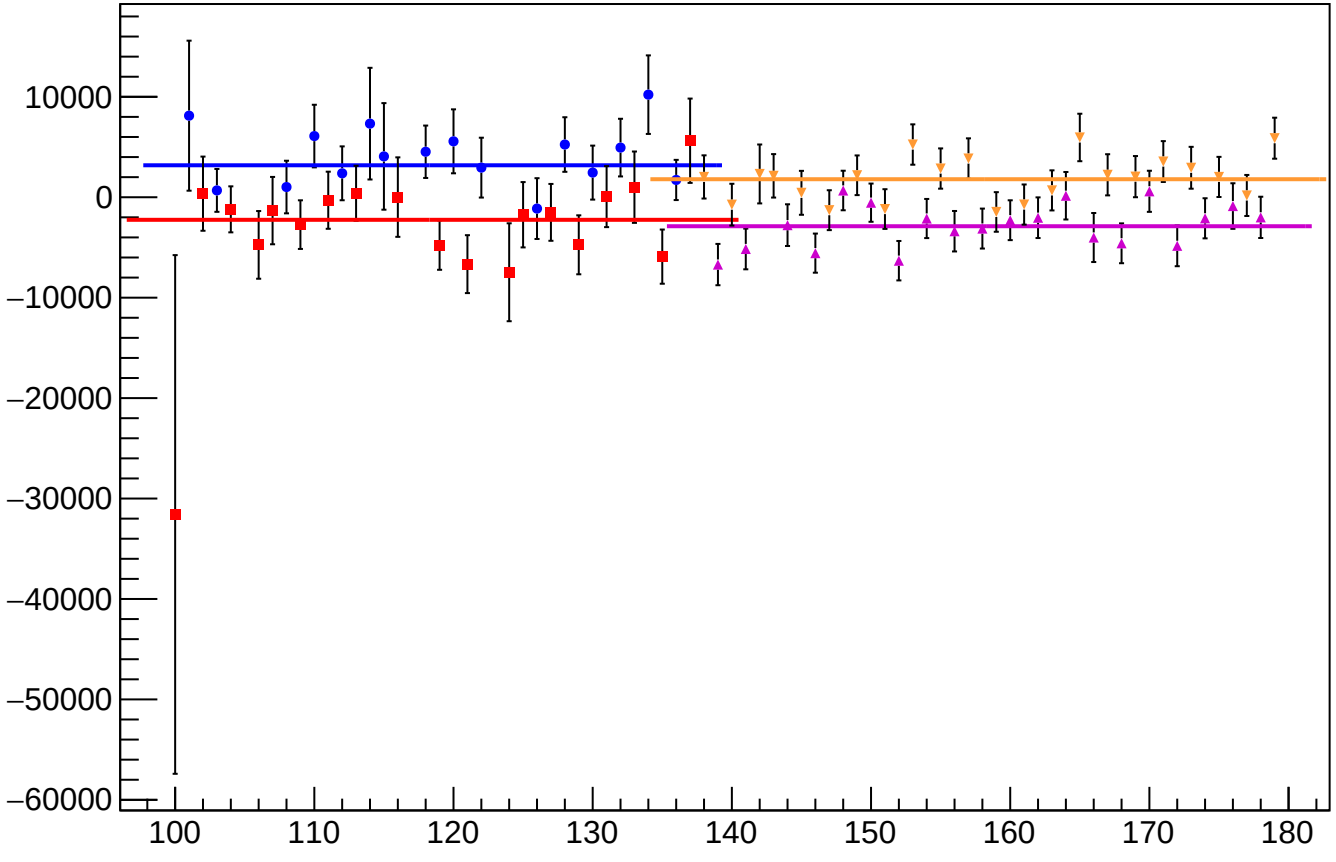
Left In: 4638.790+/-0.830 χ^2/NDF:1195504.9/19

+ sign 4483.583+/-0.657 χ^2/NDF: 2312415.3/37

All: 4369.675+/-0.459 χ^2/NDF: 5442651.6/76

- sign 4260.665+/-0.643 χ^2/NDF: 3071422.2/38

cor_asym_atr_avg_mean vs Slug



Right In: 3182.973+/-731.133 χ^2/NDF: 11.7/15

Left Out: 1794.616+/-442.308 χ^2/NDF:24.4/21

Right Out: -2247.193+/-710.916 χ^2/NDF: 16.5/18

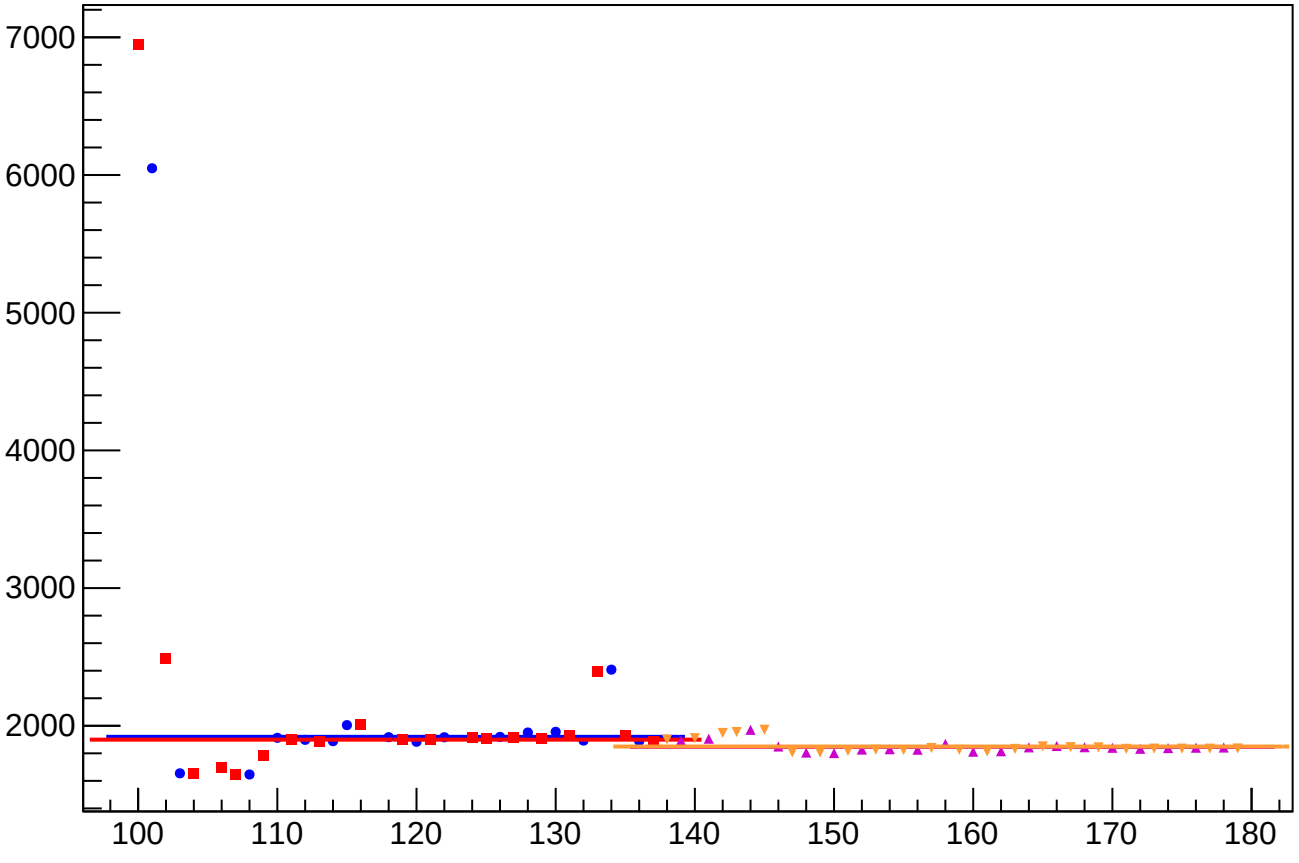
Left In: -2885.869+/-456.725 χ^2/NDF:22.5/19

+ sign 2166.591+/-378.445 χ^2/NDF: 38.7/37

All: -229.253+/-269.633 χ^2/NDF: 159.7/76

- sign -2699.277+/-384.259 χ^2/NDF: 39.5/38

cor_asym_atr_avg_rms vs Slug



Right In: 1919.827+/-0.517 χ^2/NDF: 697330.6/15

Left Out: 1849.239+/-0.313 χ^2/NDF:20699.9/21

Right Out: 1899.364+/-0.502 χ^2/NDF: 215654.1/18

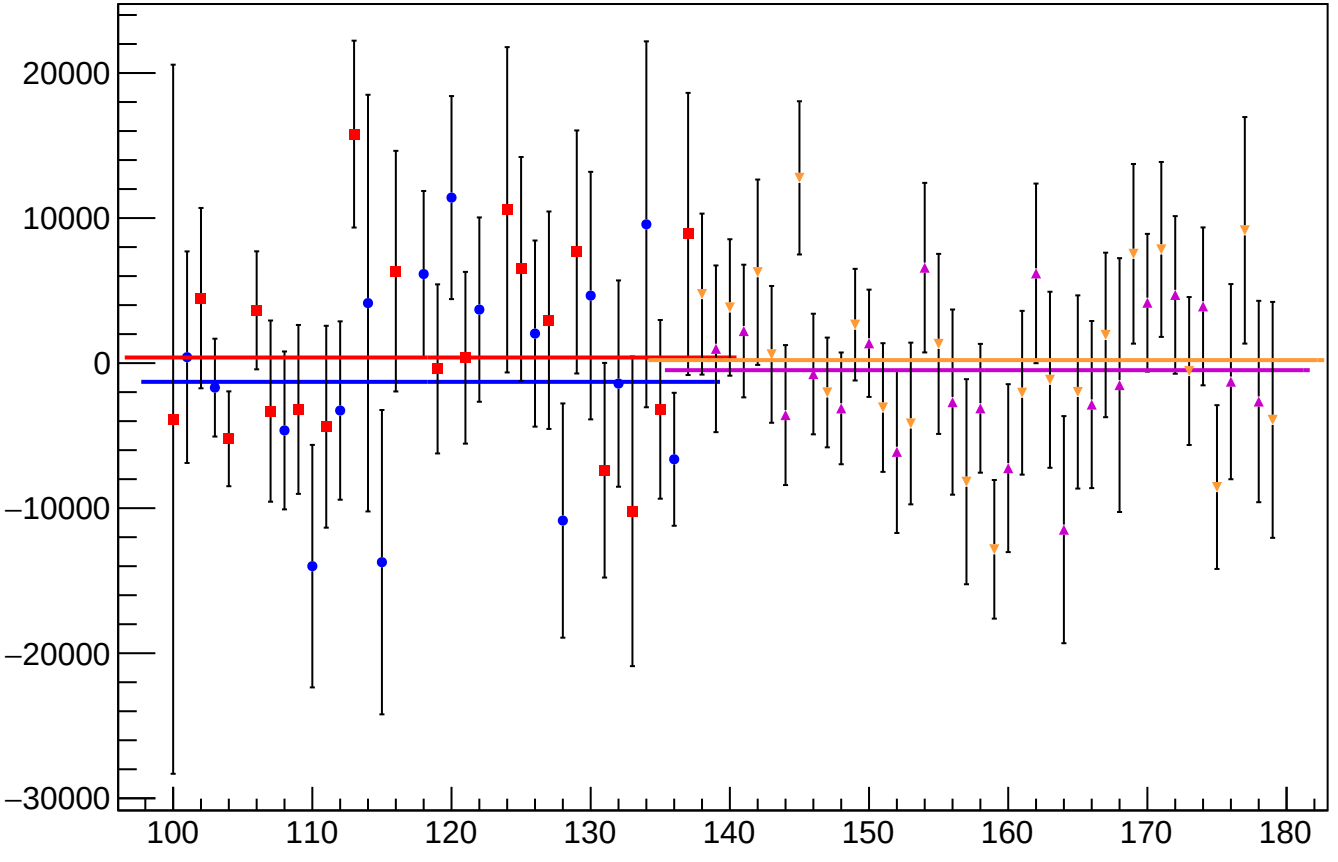
Left In: 1846.146+/-0.323 χ^2/NDF:13914.6/19

+ sign 1868.151+/-0.268 χ^2/NDF: 731678.4/37

All: 1864.987+/-0.191 χ^2/NDF: 969481.7/76

- sign 1861.729+/-0.272 χ^2/NDF: 237519.6/38

asym_atr_avg_cor_correction_mean vs Slug



Right In: -1290.862+/-1585.435 χ^2/NDF: 14.3/15

Left Out: 206.917+/-1146.860 χ^2/NDF:26.0/21

Right Out: 387.626+/-1451.530 χ^2/NDF: 17.0/18

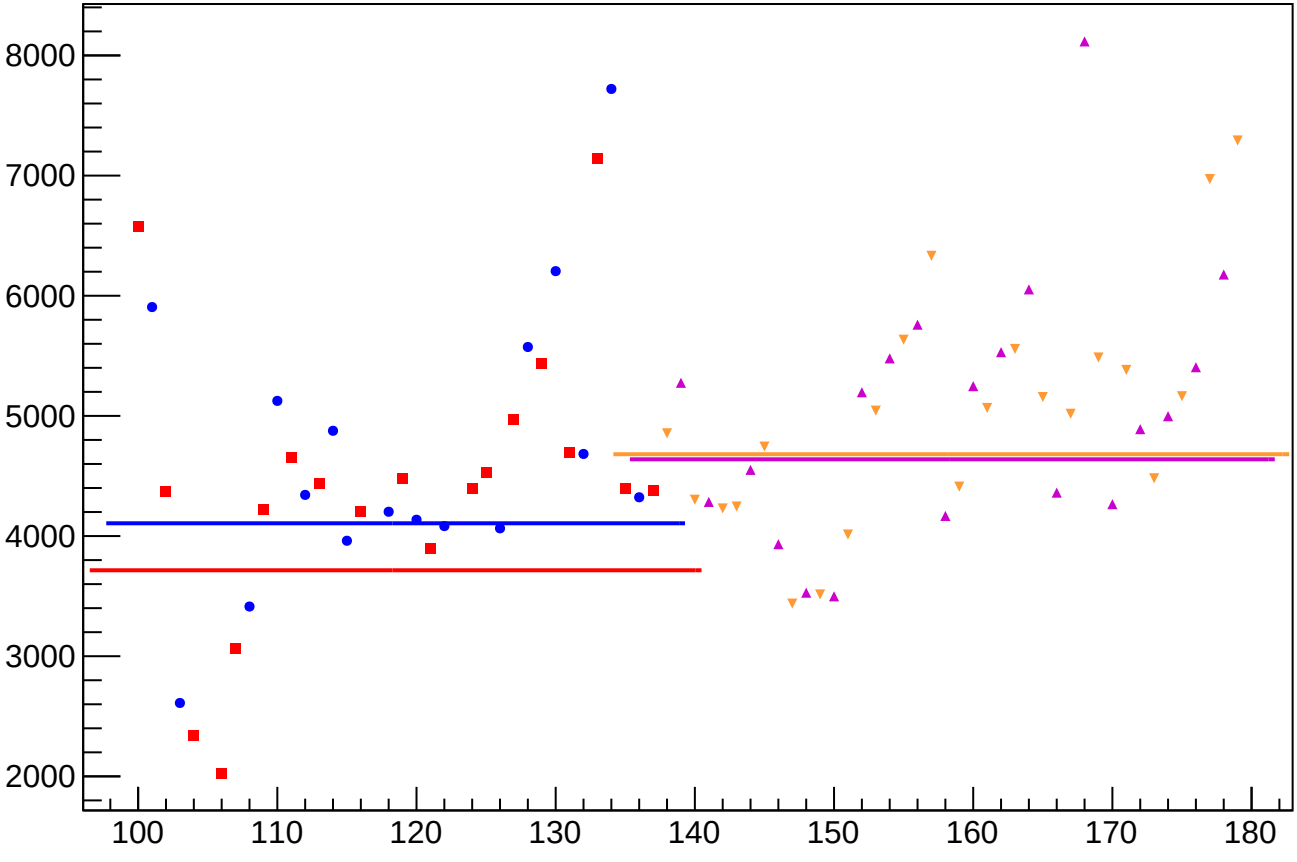
Left In: -486.261+/-1173.466 χ^2/NDF:11.8/19

\+ sign -307.595+/-929.228 χ^2/NDF: 40.9/37

All: -222.718+/-651.089 χ^2/NDF: 69.9/76

\- sign -140.860+/-912.557 χ^2/NDF: 29.0/38

asym_atr_avg_cor_correction_rms vs Slug



Right In: 4106.234+/-1.121 χ^2/NDF: 955631.2/15

Left Out: 4681.077+/-0.811 χ^2/NDF:1183643.0/21

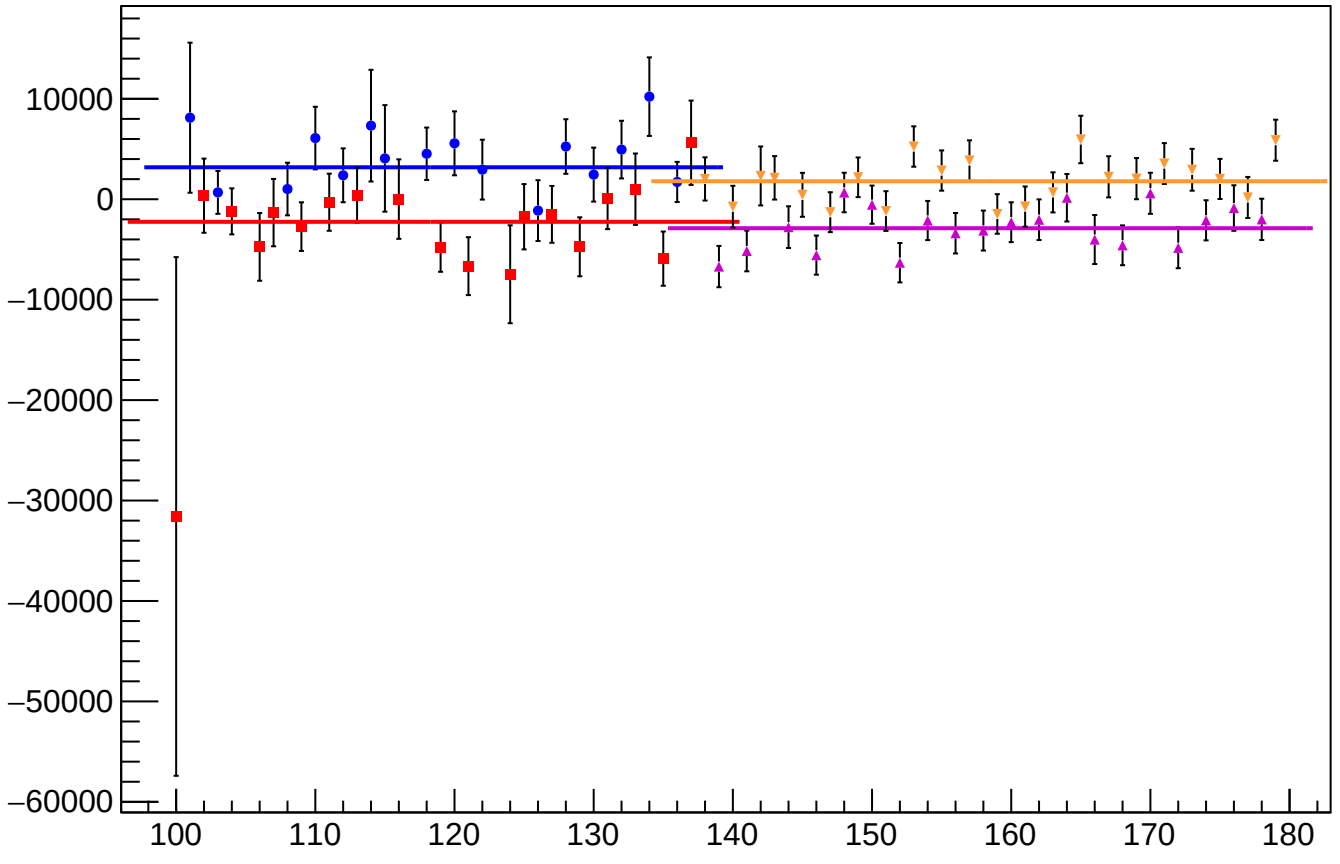
Right Out: 3715.202+/-1.026 χ^2/NDF: 1335100.7/18

Left In: 4638.793+/-0.830 χ^2/NDF:1195502.1/19

+ sign 4483.609+/-0.657 χ^2/NDF: 2311879.8/37

All: 4376.779+/-0.460 χ^2/NDF: 5384095.6/76

- sign 4273.748+/-0.645 χ^2/NDF: 3020286.6/38



Right In: 3182.973+/-731.133 χ^2/NDF: 11.7/15

Left Out: 1794.616+/-442.308 χ^2/NDF:24.4/21

Right Out: -2247.193+/-710.916 χ^2/NDF: 16.5/18

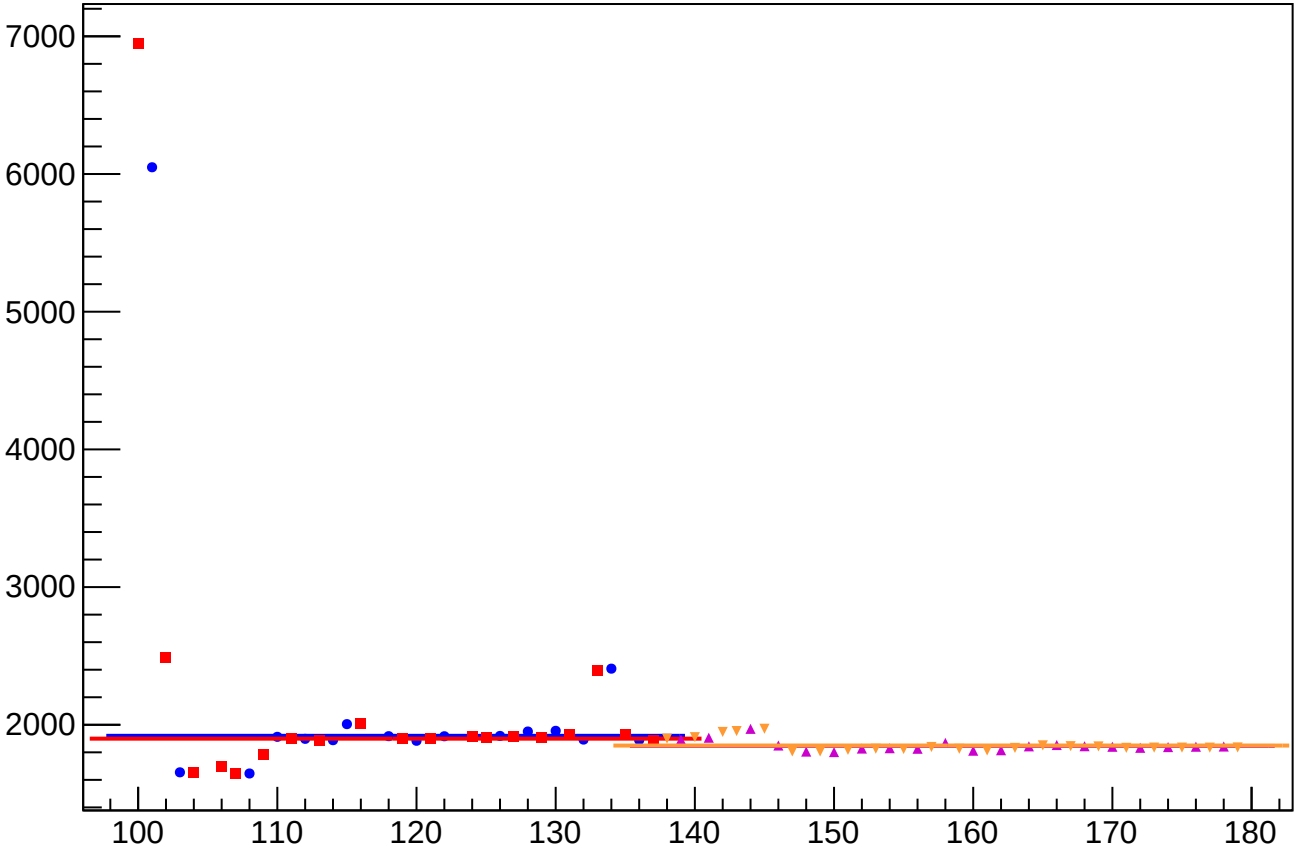
Left In: -2885.869+/-456.725 χ^2/NDF:22.5/19

+ sign 2166.591+/-378.445 χ^2/NDF: 38.7/37

All: -229.253+/-269.633 χ^2/NDF: 159.7/76

- sign -2699.277+/-384.259 χ^2/NDF: 39.5/38

eigen_cor_asym_atr_avg_rms vs Slug



Right In: 1919.827+/-0.517 χ^2/NDF: 697330.6/15

Left Out: 1849.239+/-0.313 χ^2/NDF:20699.9/21

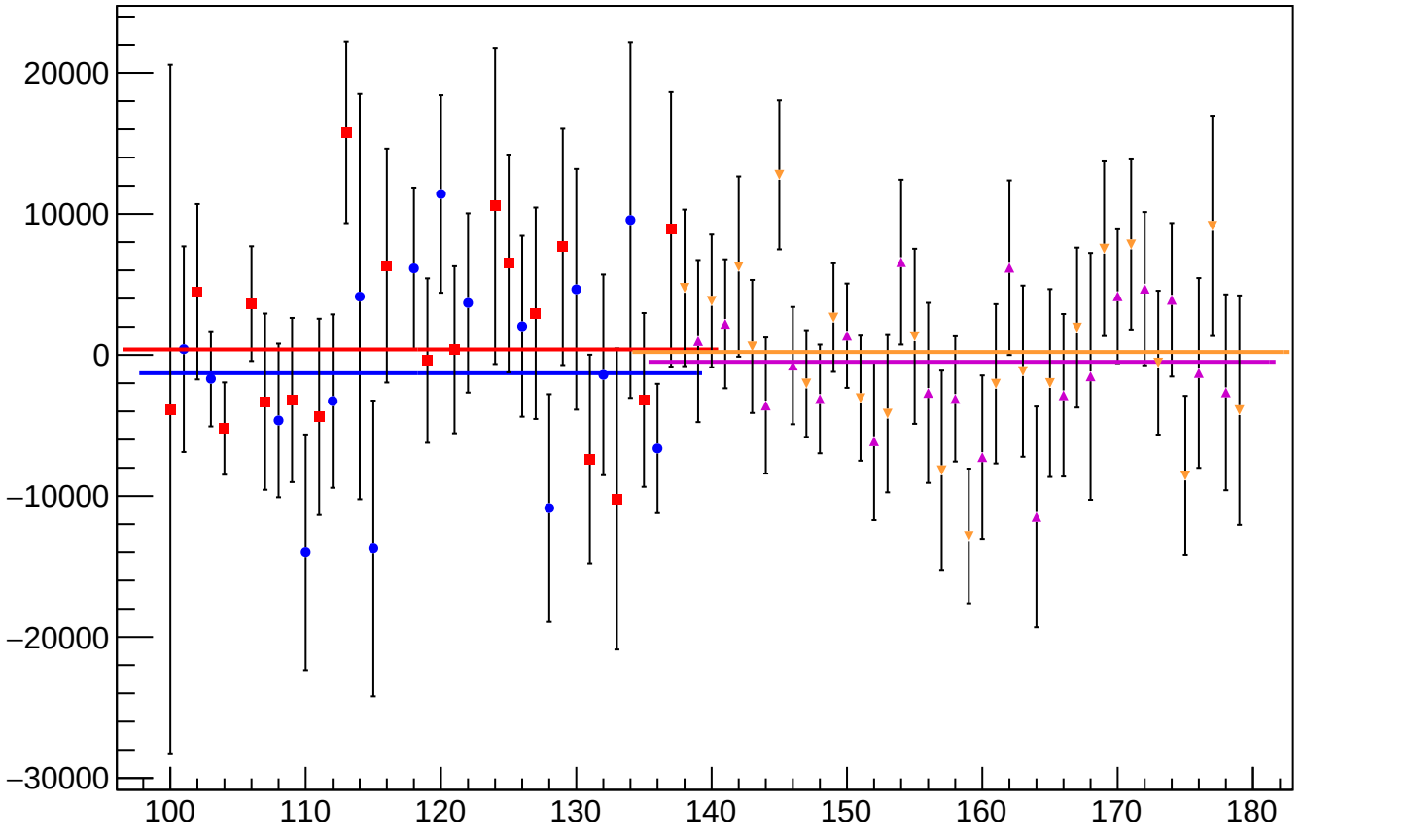
Right Out: 1899.364+/-0.502 χ^2/NDF: 215654.1/18

Left In: 1846.146+/-0.323 χ^2/NDF:13914.6/19

+ sign 1868.151+/-0.268 χ^2/NDF: 731678.4/37

All: 1864.987+/-0.191 χ^2/NDF: 969481.7/76

- sign 1861.729+/-0.272 χ^2/NDF: 237519.6/38



Right In: -1290.862+/-1585.435 χ^2/NDF: 14.3/15

Left Out: 206.917+/-1146.860 χ^2/NDF:26.0/21

Right Out: 387.626+/-1451.530 χ^2/NDF: 17.0/18

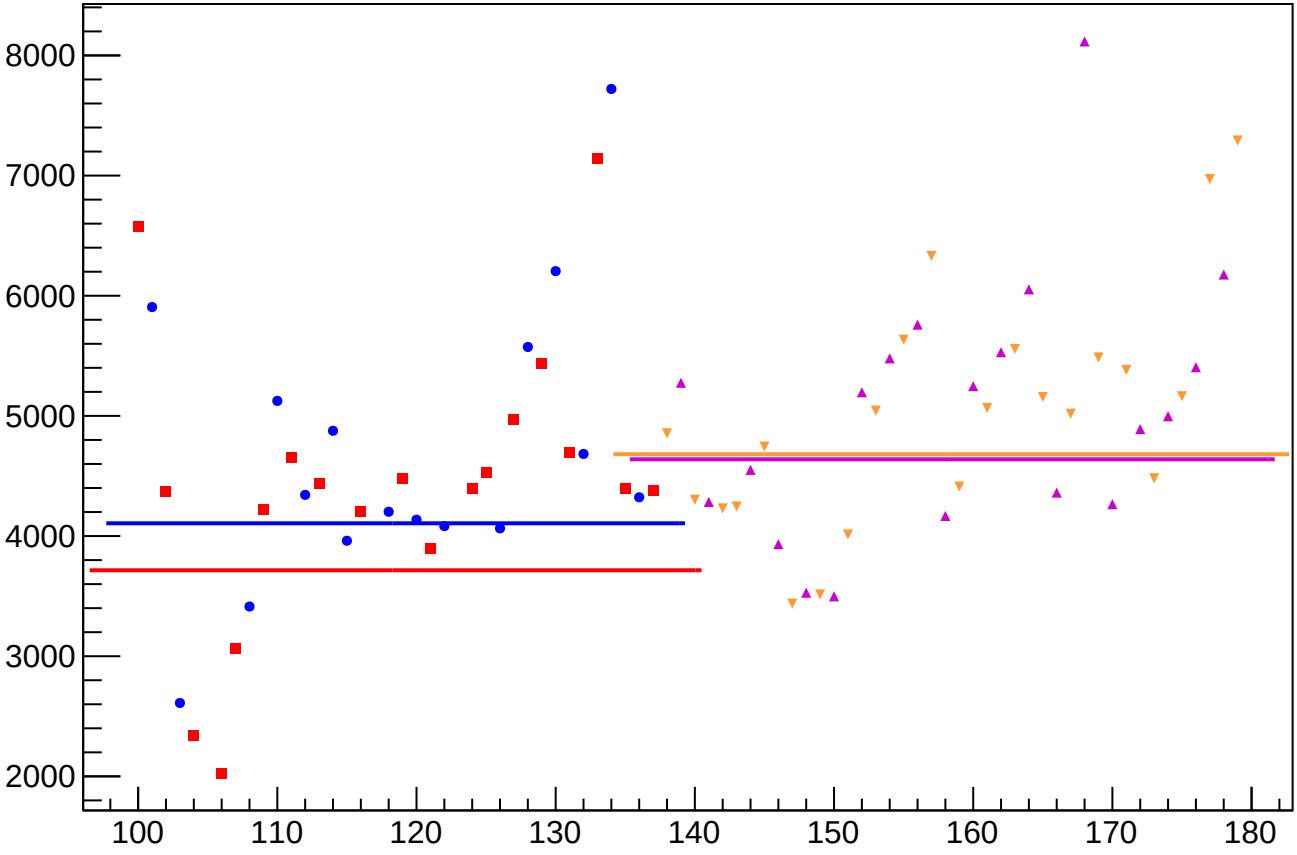
Left In: -486.261+/-1173.466 χ^2/NDF:11.8/19

+ sign -307.595+/-929.228 χ^2/NDF: 40.9/37

All: -222.718+/-651.089 χ^2/NDF: 69.9/76

- sign -140.860+/-912.557 χ^2/NDF: 29.0/38

asym_atr_avg_eigen_cor_correction_rms vs Slug



Right In: 4106.234+/-1.121 χ^2/NDF: 955631.2/15

Left Out: 4681.077+/-0.811 χ^2/NDF:1183643.0/21

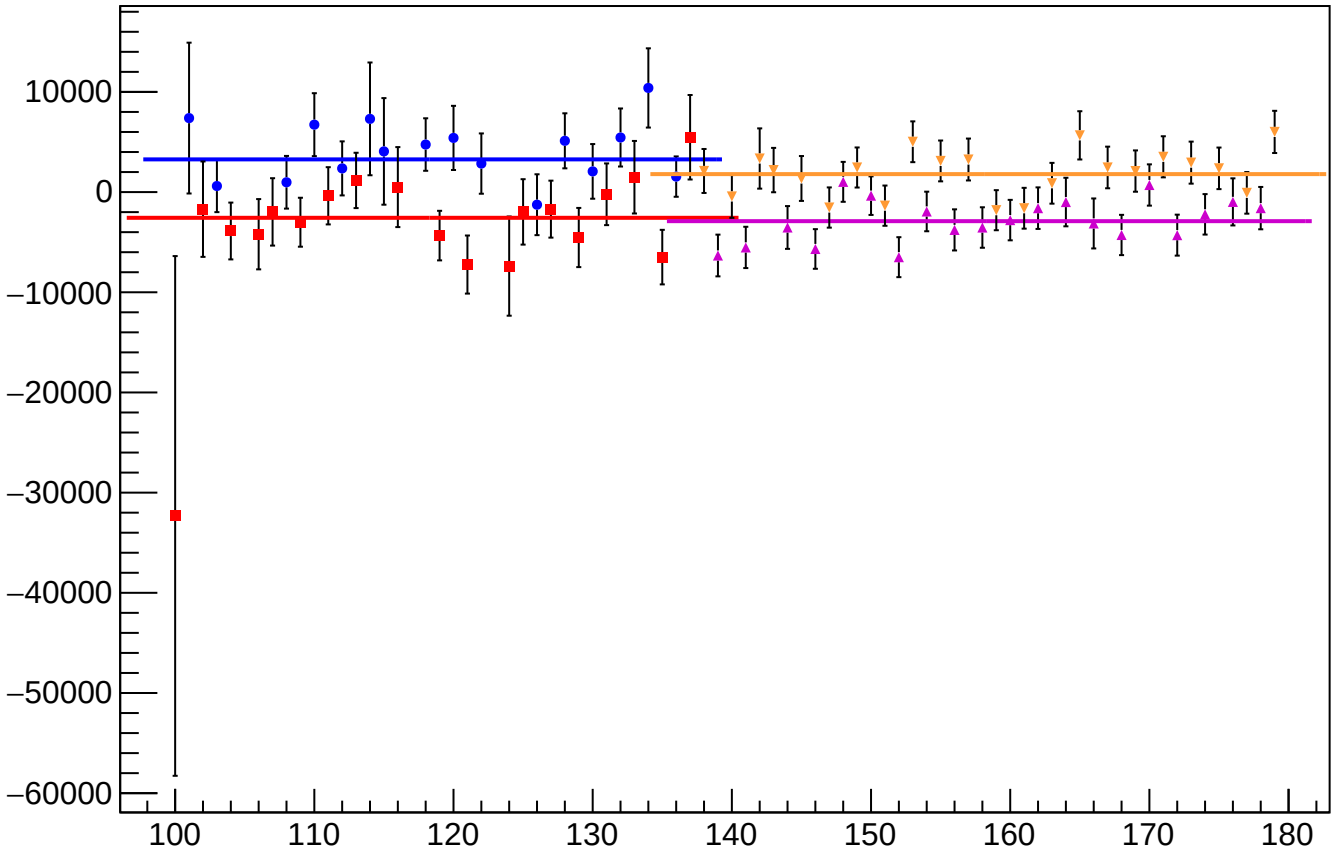
Right Out: 3715.202+/-1.026 χ^2/NDF: 1335100.7/18

Left In: 4638.793+/-0.830 χ^2/NDF:1195502.1/19

+ sign 4483.609+/-0.657 χ^2/NDF: 2311879.8/37

All: 4376.779+/-0.460 χ^2/NDF: 5384095.6/76

- sign 4273.748+/-0.645 χ^2/NDF: 3020286.6/38



Right In: 3264.639+/-750.865 χ^2/NDF: 12.2/15

Left Out: 1794.532+/-450.687 χ^2/NDF:25.0/21

Right Out: -2566.683+/-734.876 χ^2/NDF: 17.0/18

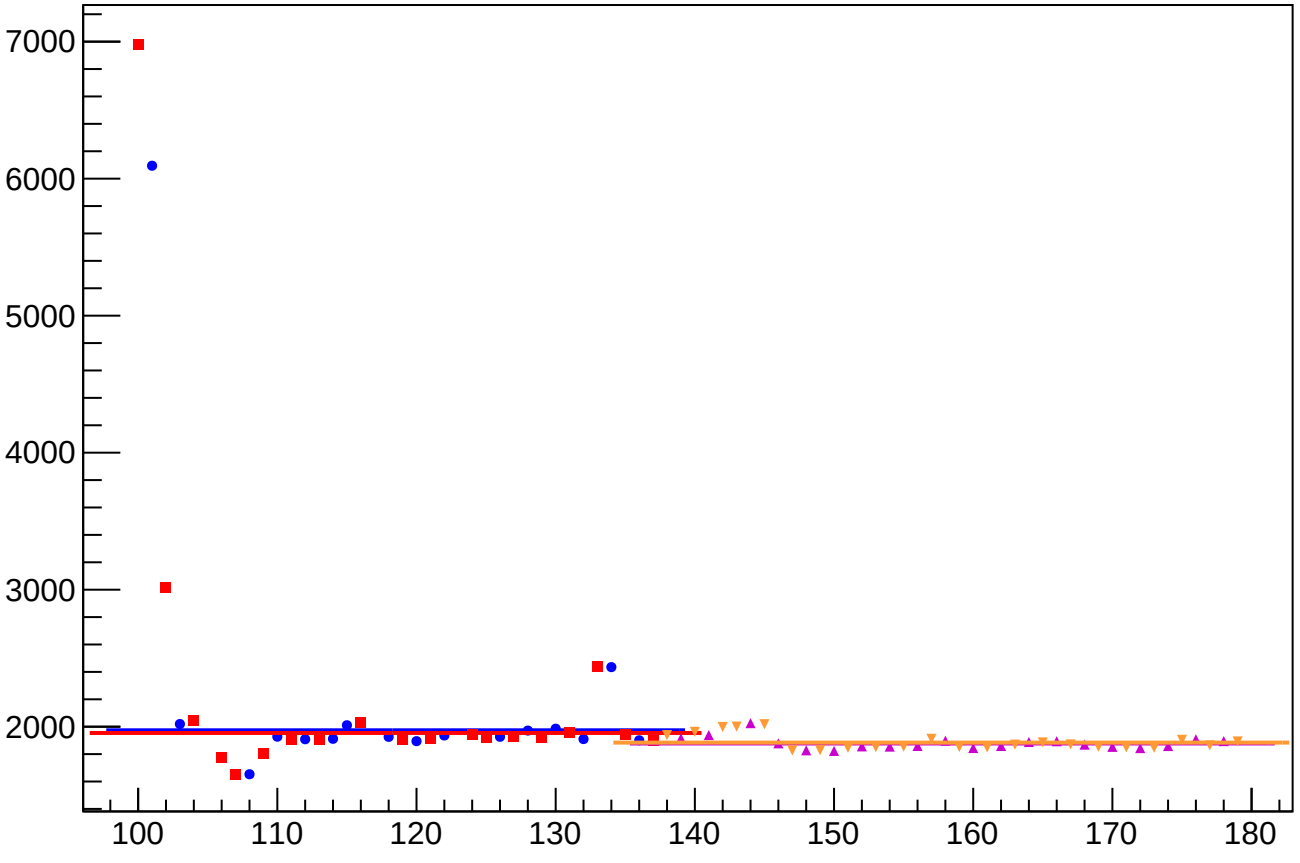
Left In: -2901.714+/-464.552 χ^2/NDF:22.0/19

+ sign 2183.892+/-386.423 χ^2/NDF: 40.0/37

All: -271.060+/-275.425 χ^2/NDF: 161.2/76

- sign -2806.057+/-392.672 χ^2/NDF: 39.1/38

dit_asym_atr_avg_rms vs Slug



Right In: 1973.748+/-0.531 χ^2/NDF: 665124.2/15

Left Out: 1883.919+/-0.319 χ^2/NDF:28134.6/21

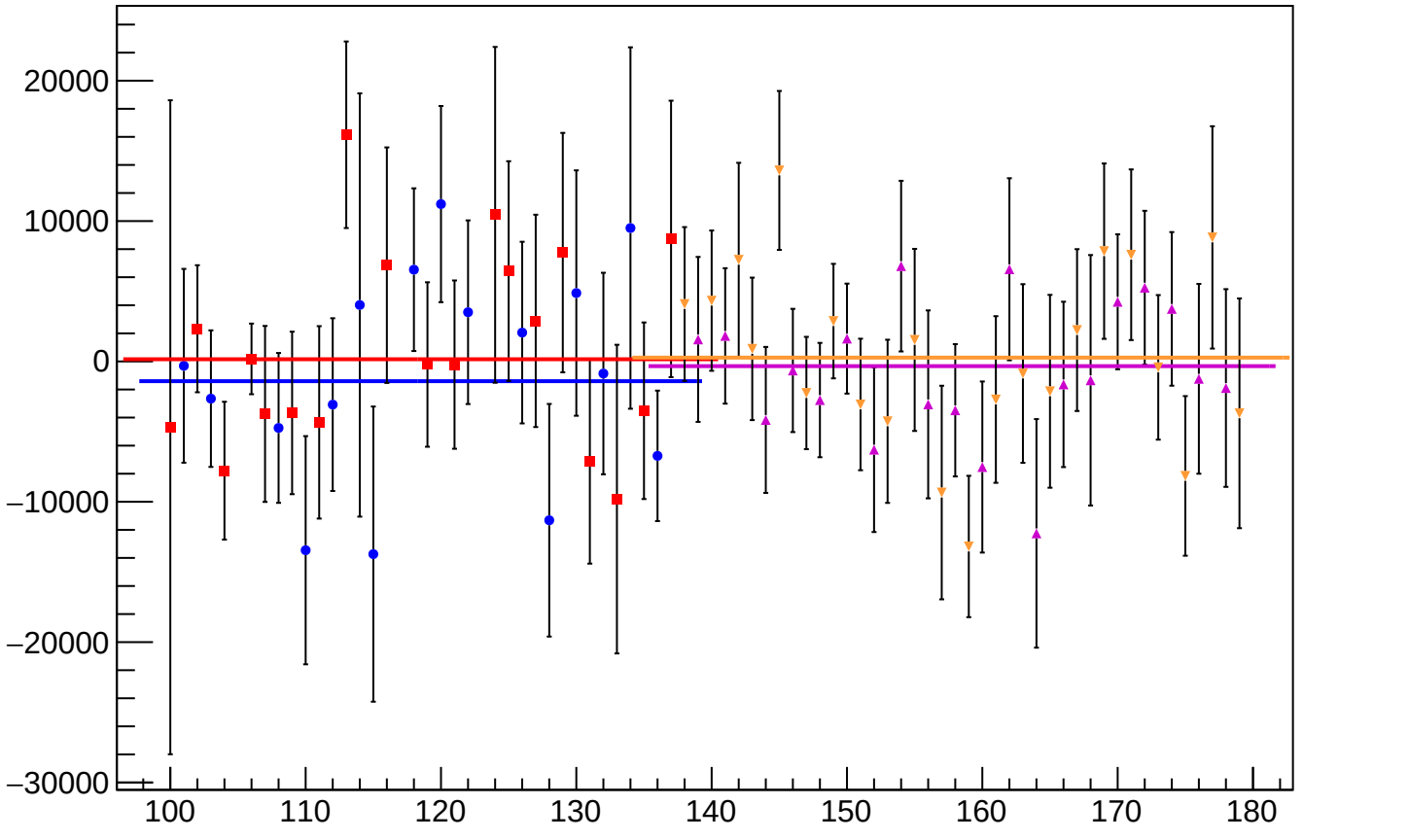
Right Out: 1954.339+/-0.519 χ^2/NDF: 246211.3/18

Left In: 1877.564+/-0.328 χ^2/NDF:18105.7/19

+ sign 1907.710+/-0.273 χ^2/NDF: 714302.4/37

All: 1903.676+/-0.195 χ^2/NDF: 994678.8/76

- sign 1899.512+/-0.278 χ^2/NDF: 279933.4/38



Right In: -1407.382+/-1689.989 χ^2/NDF: 14.2/15

Left Out: 271.852+/-1196.147 χ^2/NDF:25.5/21

Right Out: 155.271+/-1363.642 χ^2/NDF: 15.8/18

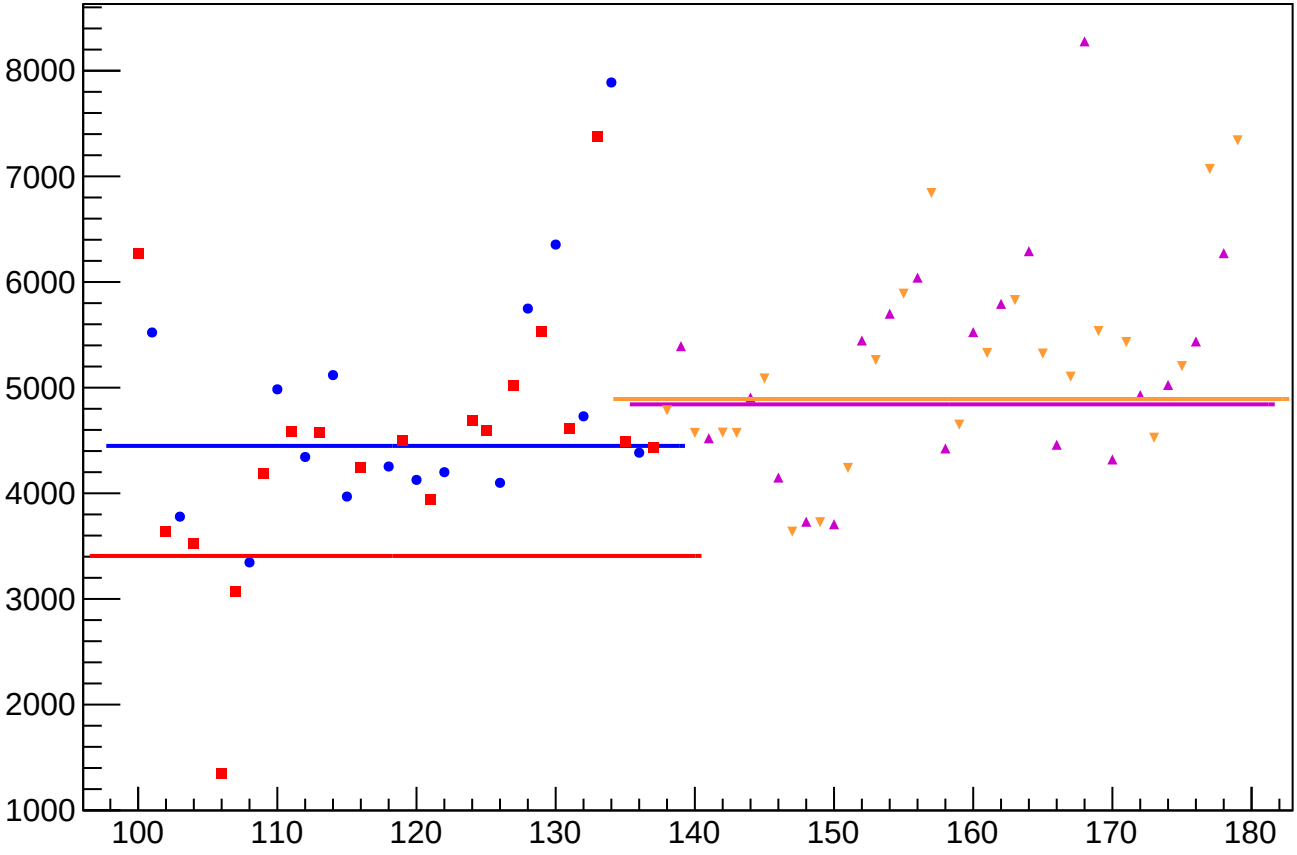
Left In: -335.919+/-1222.803 χ^2/NDF:11.8/19

+ sign -288.608+/-976.338 χ^2/NDF: 40.4/37

All: -196.808+/-665.836 χ^2/NDF: 68.0/76

- sign -116.992+/-910.386 χ^2/NDF: 27.7/38

asym_atr_avg_dit_correction_rms vs Slug



Right In: 4448.711+/-1.195 χ^2/NDF: 494613.5/15

Left Out: 4892.562+/-0.846 χ^2/NDF:1061785.5/21

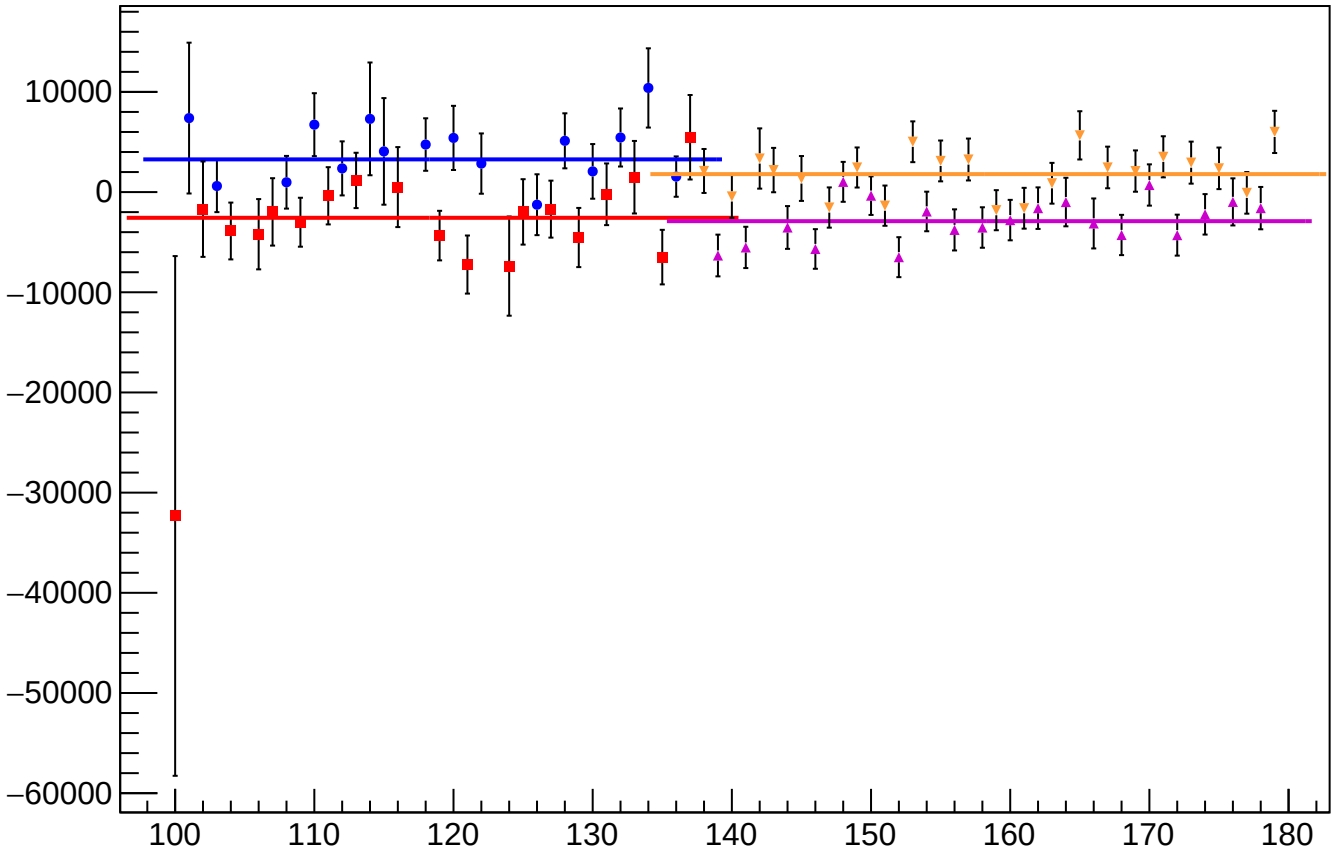
Right Out: 3407.128+/-0.964 χ^2/NDF: 2326060.4/18

Left In: 4841.977+/-0.865 χ^2/NDF:1094990.2/19

+ sign 4744.423+/-0.690 χ^2/NDF: 1648310.4/37

All: 4454.516+/-0.471 χ^2/NDF: 6626401.1/76

- sign 4202.453+/-0.644 χ^2/NDF: 4648433.1/38



Right In: 3264.644+/-750.865 χ^2/NDF: 12.2/15

Left Out: 1794.527+/-450.687 χ^2/NDF:25.0/21

Right Out: -2566.689+/-734.875 χ^2/NDF: 17.0/18

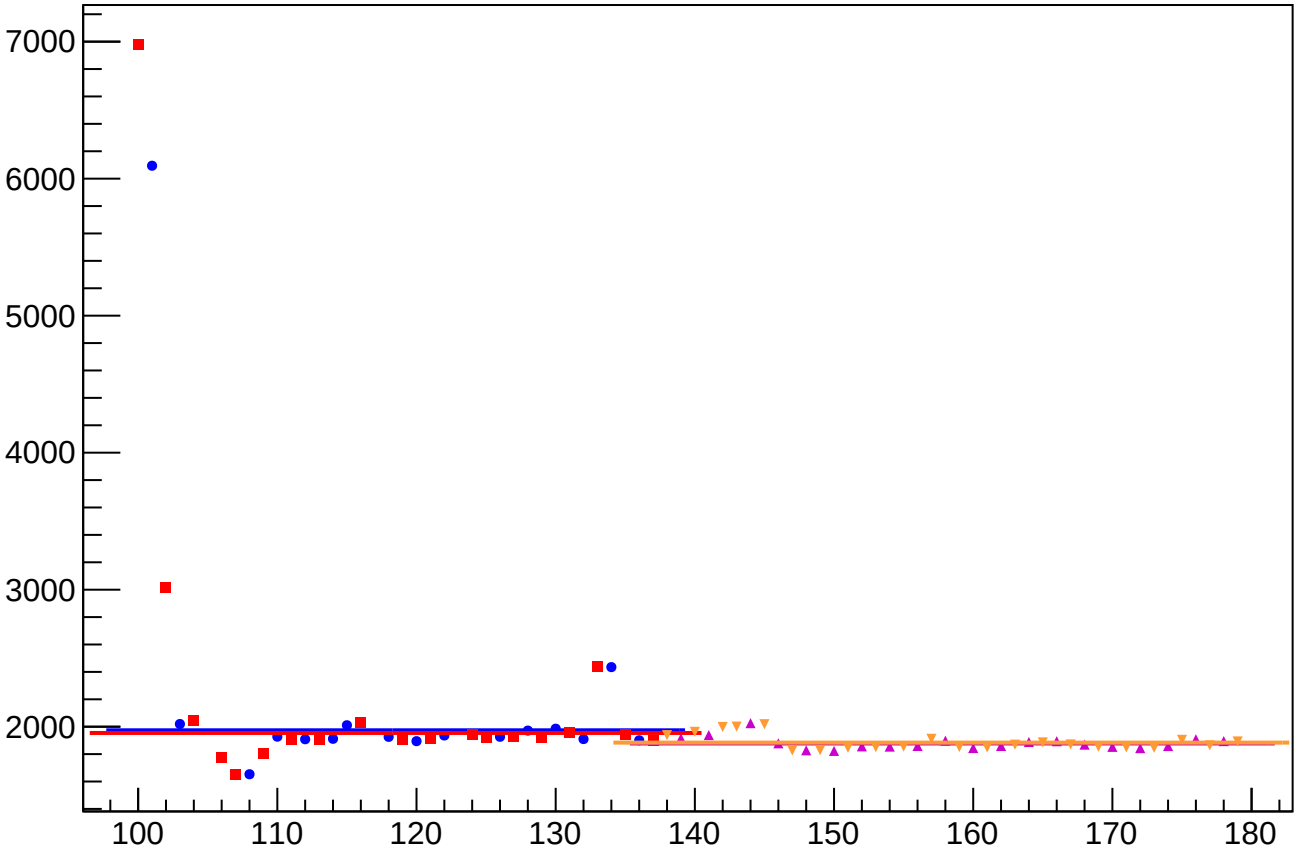
Left In: -2901.716+/-464.552 χ^2/NDF:22.0/19

+ sign 2183.889+/-386.423 χ^2/NDF: 40.0/37

All: -271.063+/-275.425 χ^2/NDF: 161.2/76

- sign -2806.060+/-392.672 χ^2/NDF: 39.1/38

eigen_dit_asym_atr_avg_rms vs Slug



Right In: 1973.748+/-0.531 χ^2/NDF: 665124.2/15

Left Out: 1883.919+/-0.319 χ^2/NDF:28134.7/21

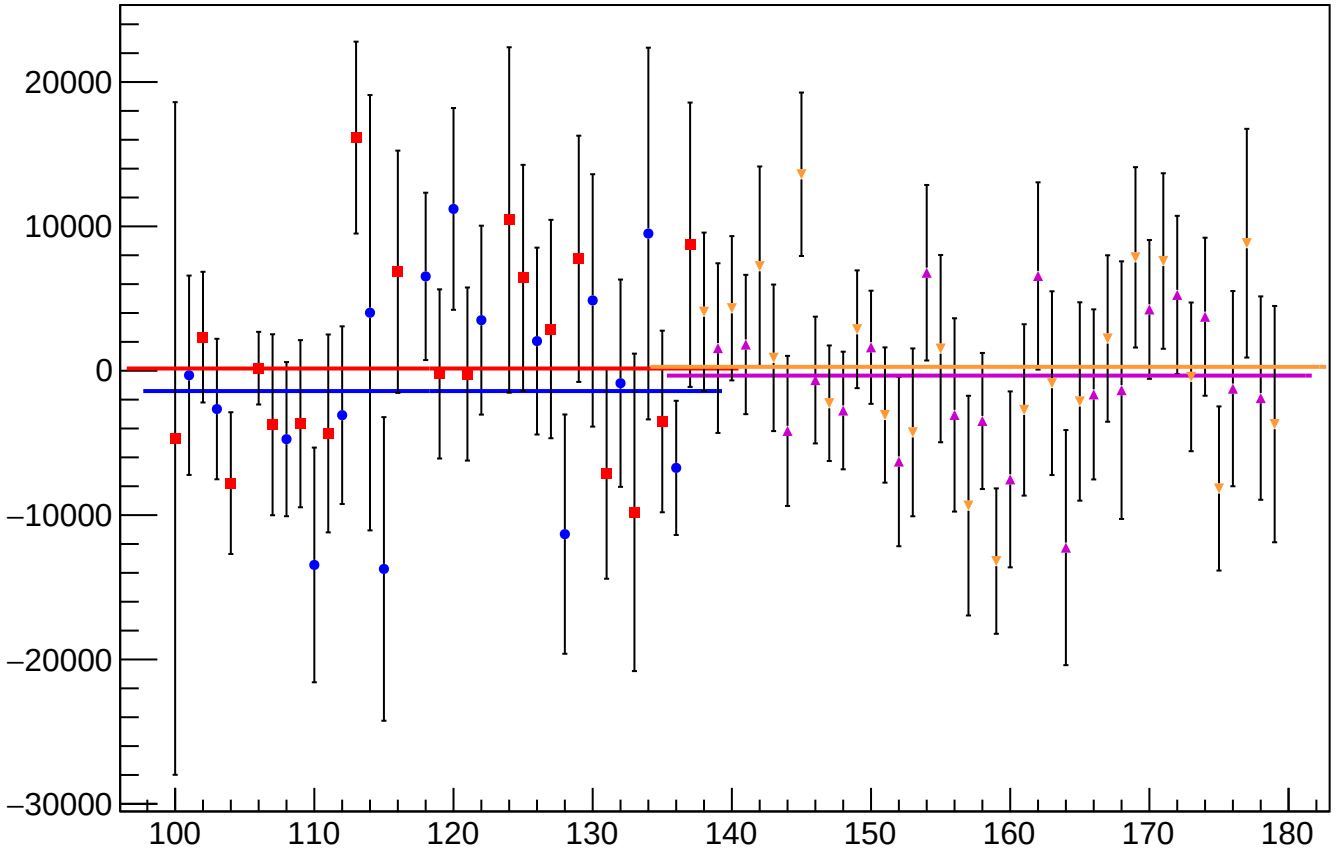
Right Out: 1954.339+/-0.519 χ^2/NDF: 246210.8/18

Left In: 1877.564+/-0.328 χ^2/NDF:18105.7/19

+ sign 1907.710+/-0.273 χ^2/NDF: 714302.0/37

All: 1903.676+/-0.195 χ^2/NDF: 994677.5/76

- sign 1899.512+/-0.278 χ^2/NDF: 279932.5/38



Right In: -1407.363+/-1689.986 χ^2/NDF: 14.2/15

Left Out: 271.850+/-1196.149 χ^2/NDF:25.5/21

Right Out: 155.272+/-1363.639 χ^2/NDF: 15.8/18

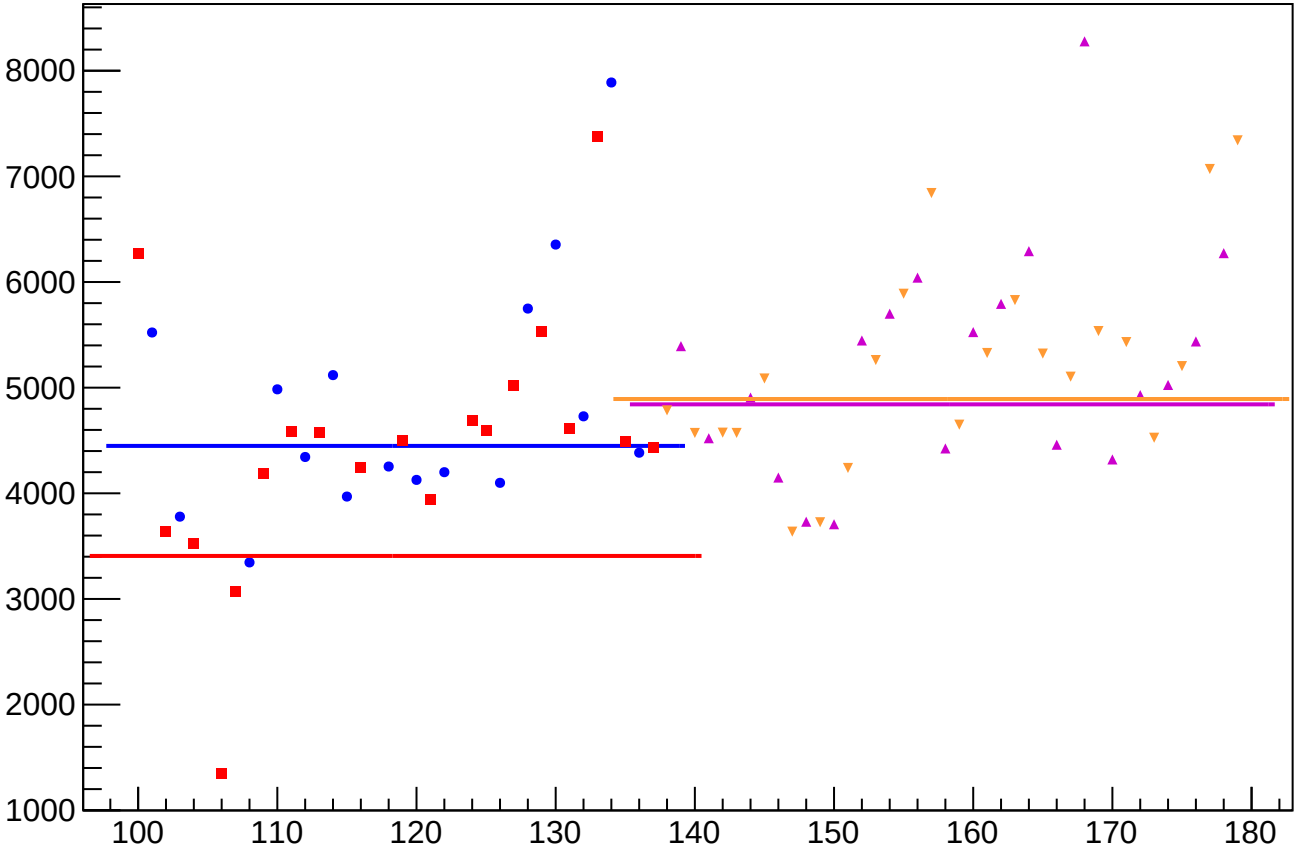
Left In: -335.918+/-1222.805 χ^2/NDF:11.8/19

+ sign -288.605+/-976.339 χ^2/NDF: 40.4/37

All: -196.806+/-665.836 χ^2/NDF: 68.0/76

- sign -116.989+/-910.386 χ^2/NDF: 27.7/38

asym_atr_avg_eigen_dit_correction_rms vs Slug



Right In: 4448.704+/-1.195 χ^2/NDF: 494610.6/15

Left Out: 4892.570+/-0.846 χ^2/NDF:1061786.9/21

Right Out: 3407.120+/-0.964 χ^2/NDF: 2326064.2/18

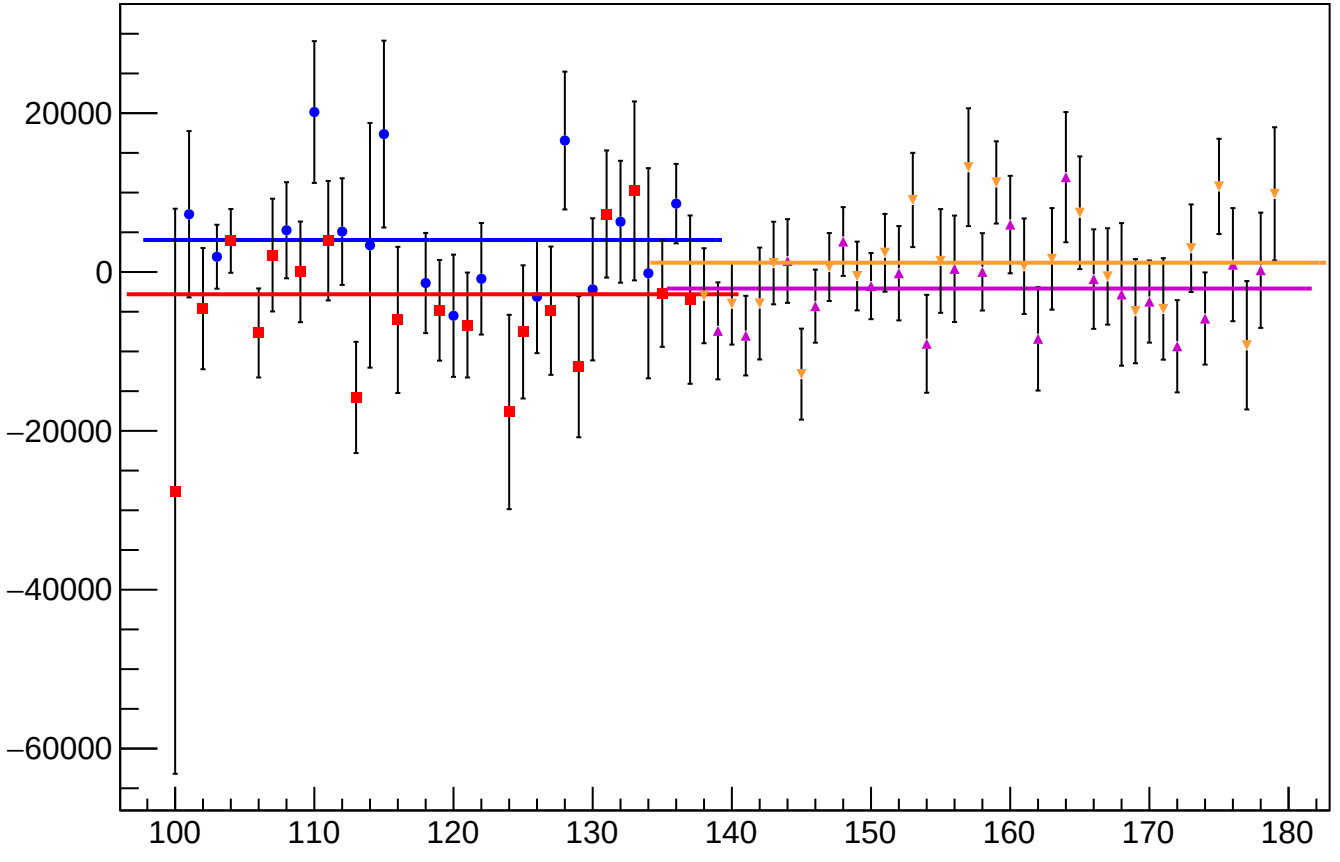
Left In: 4841.984+/-0.865 χ^2/NDF:1094991.3/19

+ sign 4744.425+/-0.690 χ^2/NDF: 1648315.3/37

All: 4454.516+/-0.471 χ^2/NDF: 6626443.9/76

- sign 4202.451+/-0.644 χ^2/NDF: 4648465.8/38

asym_atr_avg_mean vs Slug



Right In: 4034.572+/-1782.030 χ^2/NDF: 12.3/15

Left Out: 1170.911+/-1242.751 χ^2/NDF:24.4/21

Right Out: -2800.547+/-1671.877 χ^2/NDF: 15.4/18

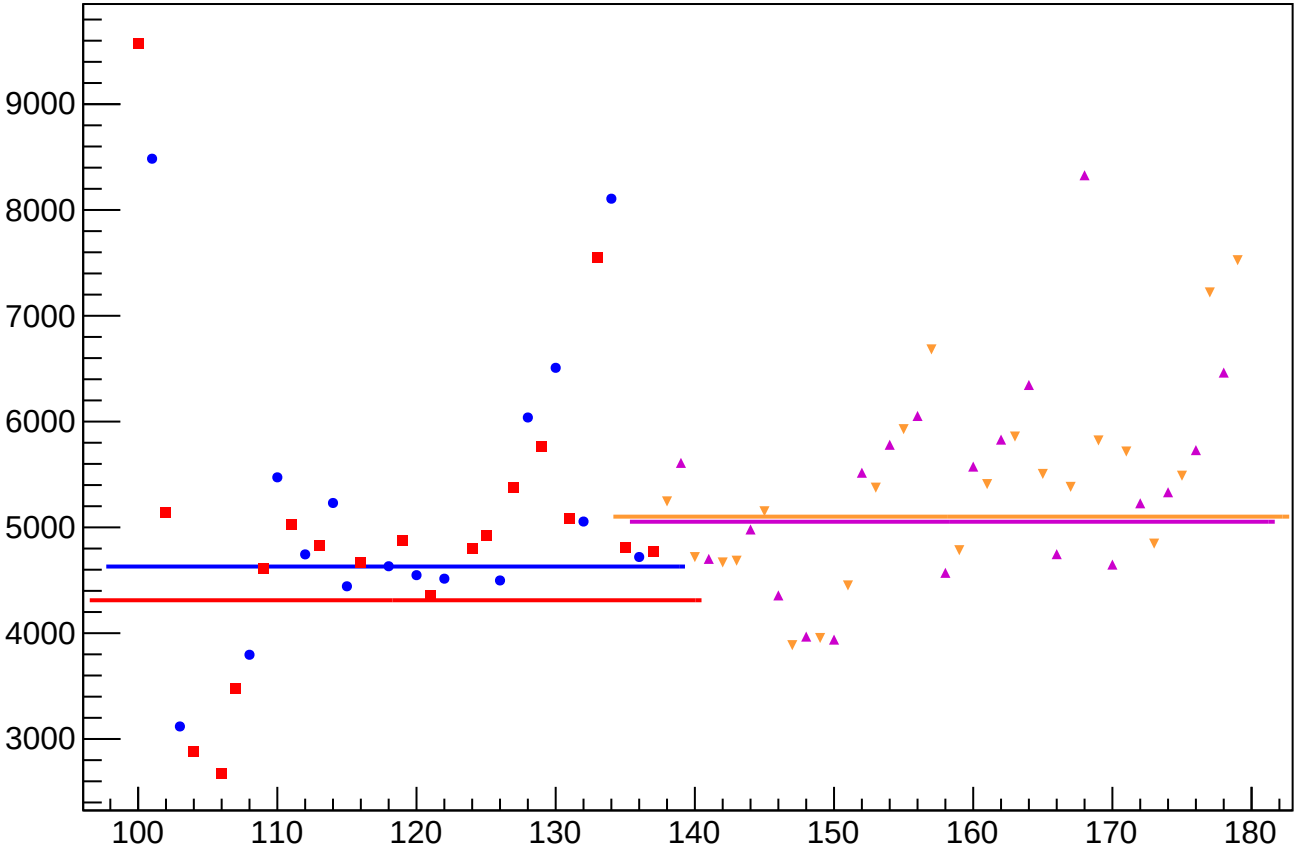
Left In: -2081.088+/-1271.731 χ^2/NDF:14.4/19

+ sign 2107.917+/-1019.355 χ^2/NDF: 38.5/37

All: -134.159+/-718.243 χ^2/NDF: 78.1/76

- sign -2344.790+/-1012.182 χ^2/NDF: 30.0/38

asym_atr_avg_rms vs Slug



Right In: 4629.967+/-1.260 χ^2/NDF: 900246.3/15

Left Out: 5101.510+/-0.879 χ^2/NDF:908215.5/21

Right Out: 4311.218+/-1.172 χ^2/NDF: 904737.2/18

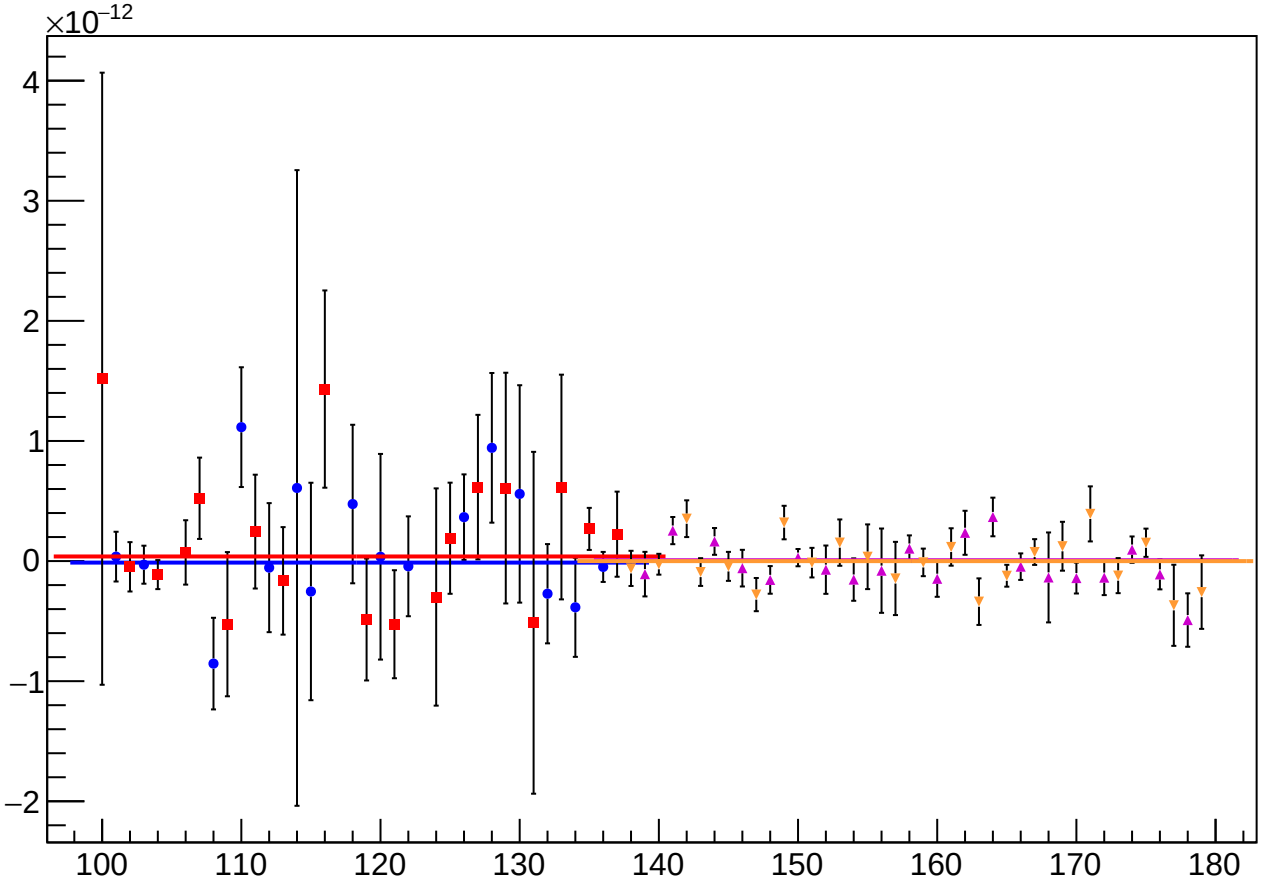
Left In: 5053.413+/-0.899 χ^2/NDF:921527.9/19

\+ sign 4947.219+/-0.721 χ^2/NDF: 1902677.8/37

All: 4861.930+/-0.507 χ^2/NDF: 4009095.8/76

\- sign 4778.375+/-0.713 χ^2/NDF: 2078700.6/38

asym_atr_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 15.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:30.1/21

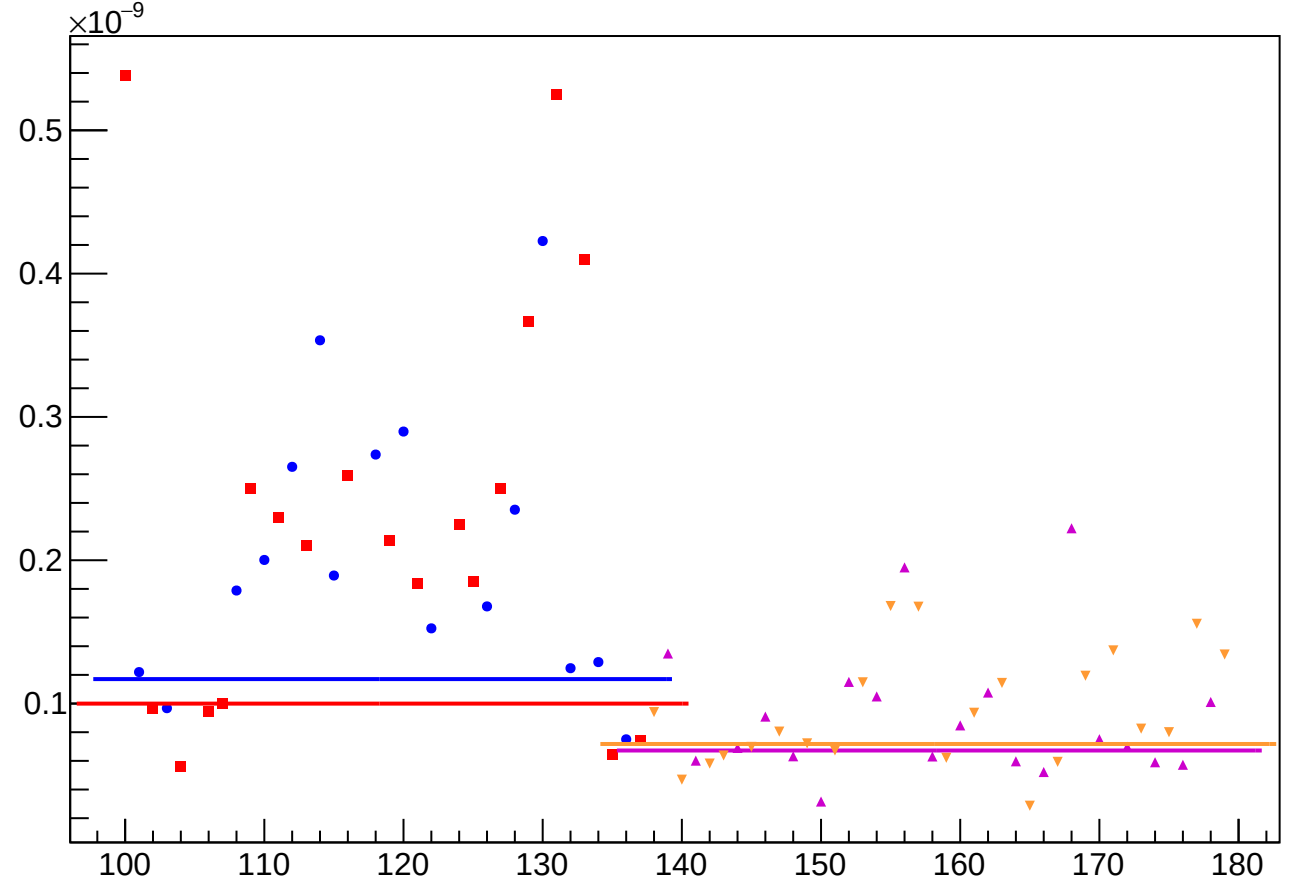
Right Out: 0.000+/-0.000 χ^2/NDF: 15.0/18

Left In: 0.000+/-0.000 χ^2/NDF:28.1/19

+ sign -0.000+/-0.000 χ^2/NDF: 46.0/37

All: 0.000+/-0.000 χ^2/NDF: 89.4/76

- sign 0.000+/-0.000 χ^2/NDF: 43.3/38



Right In: 0.000+/-0.000 χ^2/NDF: 1100462.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1923806.1/21

Right Out: 0.000+/-0.000 χ^2/NDF: 1844111.3/18

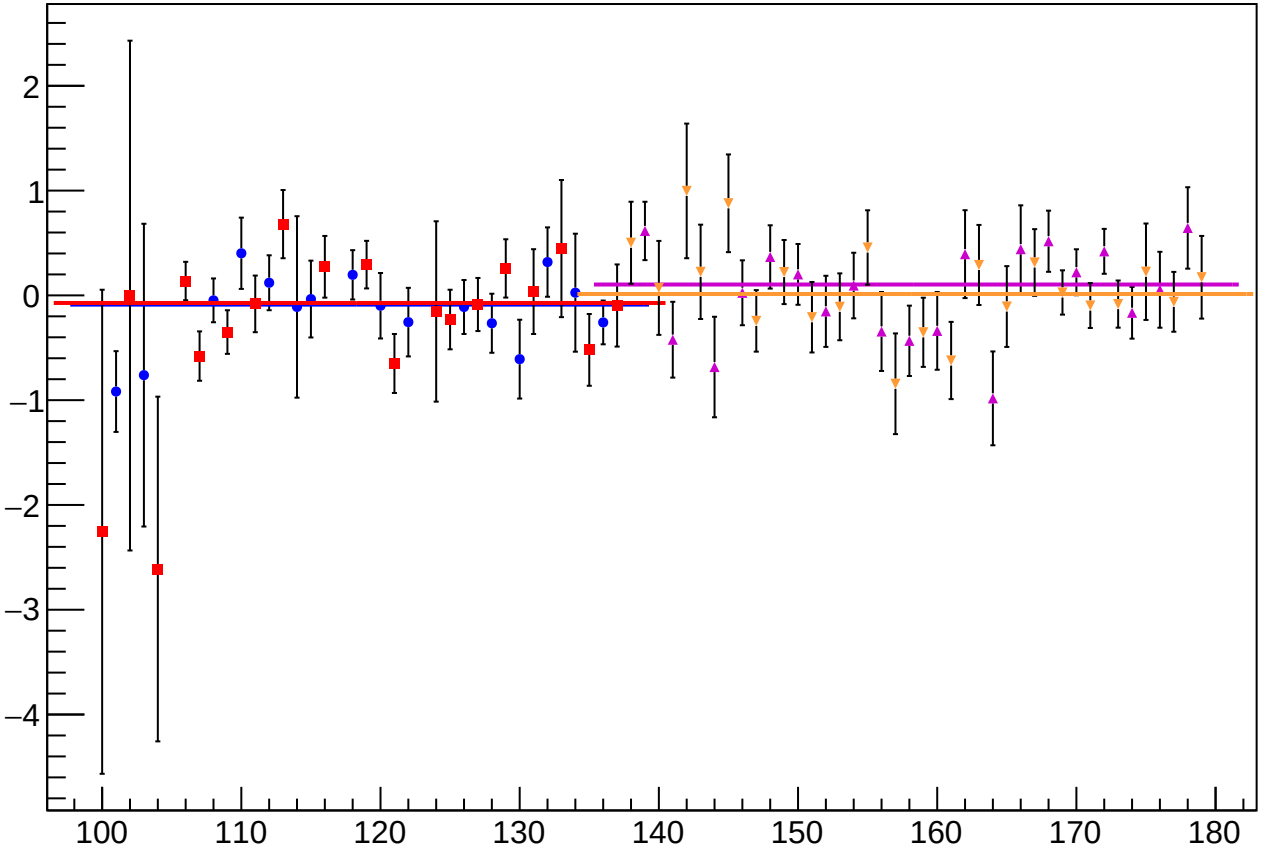
Left In: 0.000+/-0.000 χ^2/NDF:1875733.8/19

+ sign 0.000+/-0.000 χ^2/NDF: 3647327.0/37

All: 0.000+/-0.000 χ^2/NDF: 7760637.8/76

- sign 0.000+/-0.000 χ^2/NDF: 4066807.5/38

asym_atr_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.013+/-0.070 χ^2/NDF:20.7/21

Right Out: -0.072+/-0.070 χ^2/NDF: 28.7/18

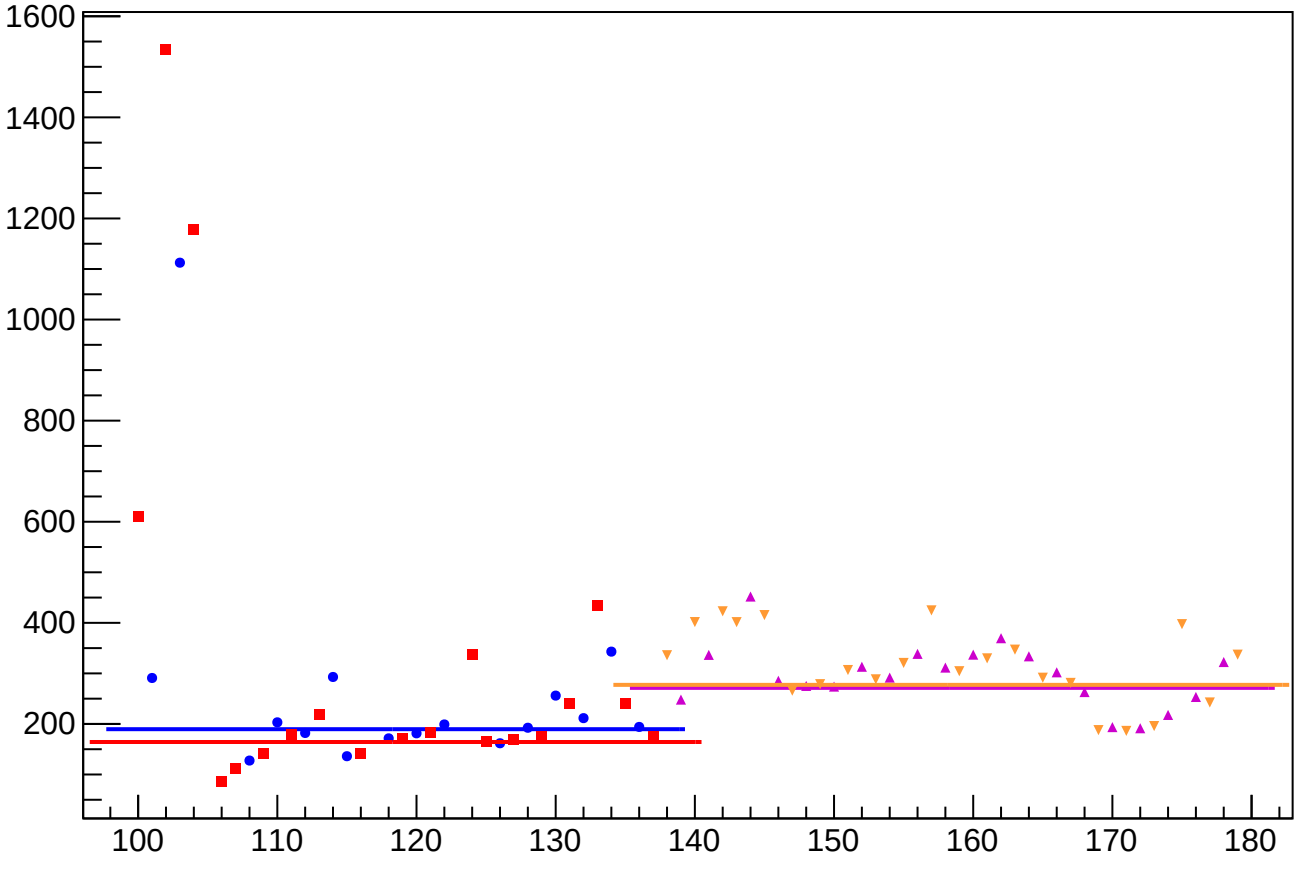
Left In: 0.104+/-0.070 χ^2/NDF:29.7/19

+ sign -0.033+/-0.052 χ^2/NDF: 35.6/37

All: -0.008+/-0.036 χ^2/NDF: 97.5/76

- sign 0.015+/-0.050 χ^2/NDF: 61.5/38

asym_atr_avg_dit_vs_cor_diff_rms vs Slug



Right In: 189.628+/-0.054 χ^2/NDF: 1465476.9/15

Left Out: 277.315+/-0.050 χ^2/NDF:2184975.7/21

Right Out: 164.287+/-0.050 χ^2/NDF: 2643490.2/18

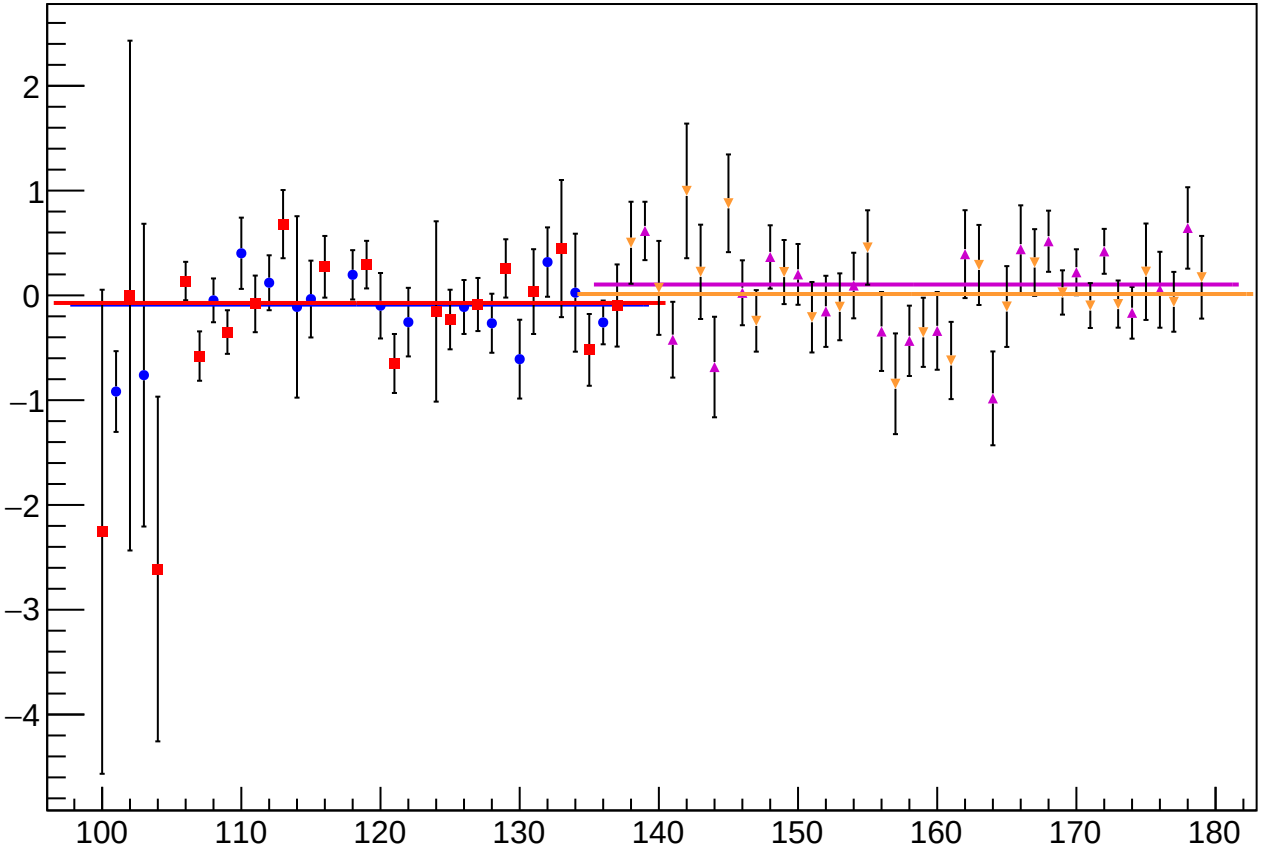
Left In: 271.378+/-0.050 χ^2/NDF:1384317.8/19

+ sign 237.499+/-0.037 χ^2/NDF: 5074954.5/37

All: 227.097+/-0.025 χ^2/NDF: 11583764.0/76

- sign 217.513+/-0.035 χ^2/NDF: 6353439.4/38

asym_atr_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.013+/-0.070 χ^2/NDF:20.7/21

Right Out: -0.072+/-0.070 χ^2/NDF: 28.7/18

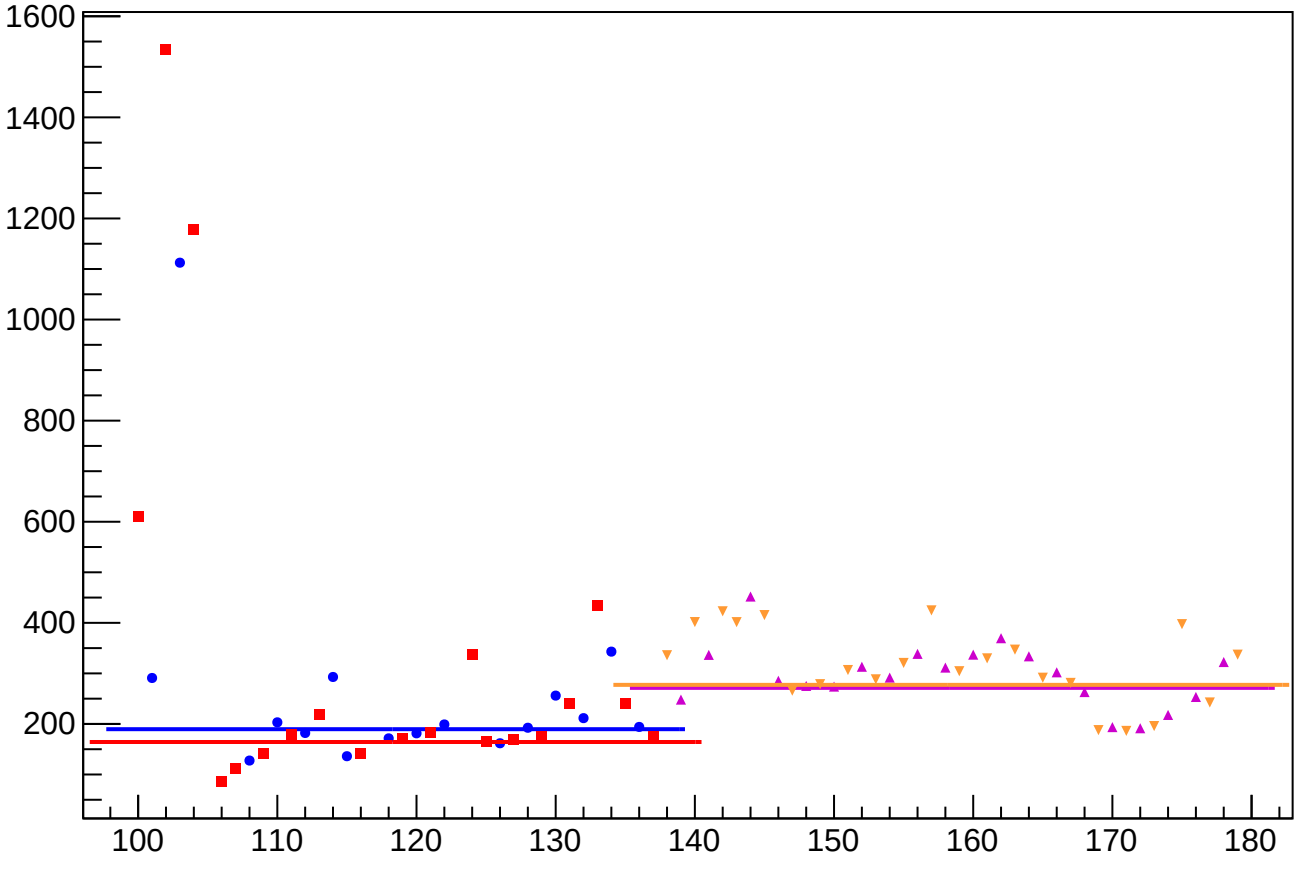
Left In: 0.104+/-0.070 χ^2/NDF:29.7/19

+ sign -0.033+/-0.052 χ^2/NDF: 35.6/37

All: -0.008+/-0.036 χ^2/NDF: 97.5/76

- sign 0.015+/-0.050 χ^2/NDF: 61.5/38

asym_atr_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 189.628+/-0.054 χ^2/NDF: 1465476.9/15

Left Out: 277.315+/-0.050 χ^2/NDF:2184975.7/21

Right Out: 164.287+/-0.050 χ^2/NDF: 2643490.2/18

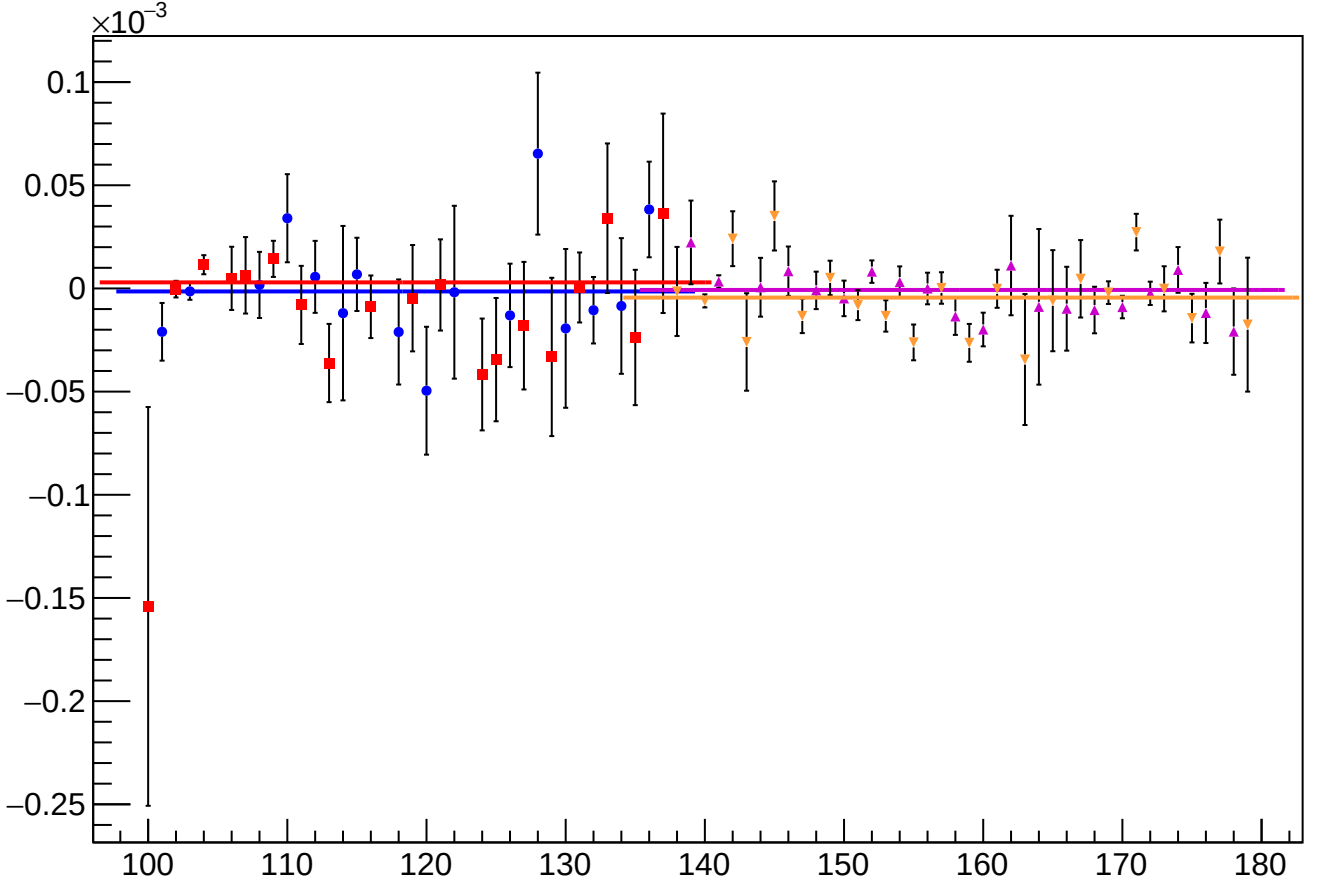
Left In: 271.378+/-0.050 χ^2/NDF:1384317.8/19

+ sign 237.499+/-0.037 χ^2/NDF: 5074954.5/37

All: 227.097+/-0.025 χ^2/NDF: 11583764.0/76

- sign 217.513+/-0.035 χ^2/NDF: 6353439.4/38

asym_atr_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:45.1/21

Right Out: 0.000+/-0.000 χ^2/NDF: 21.3/18

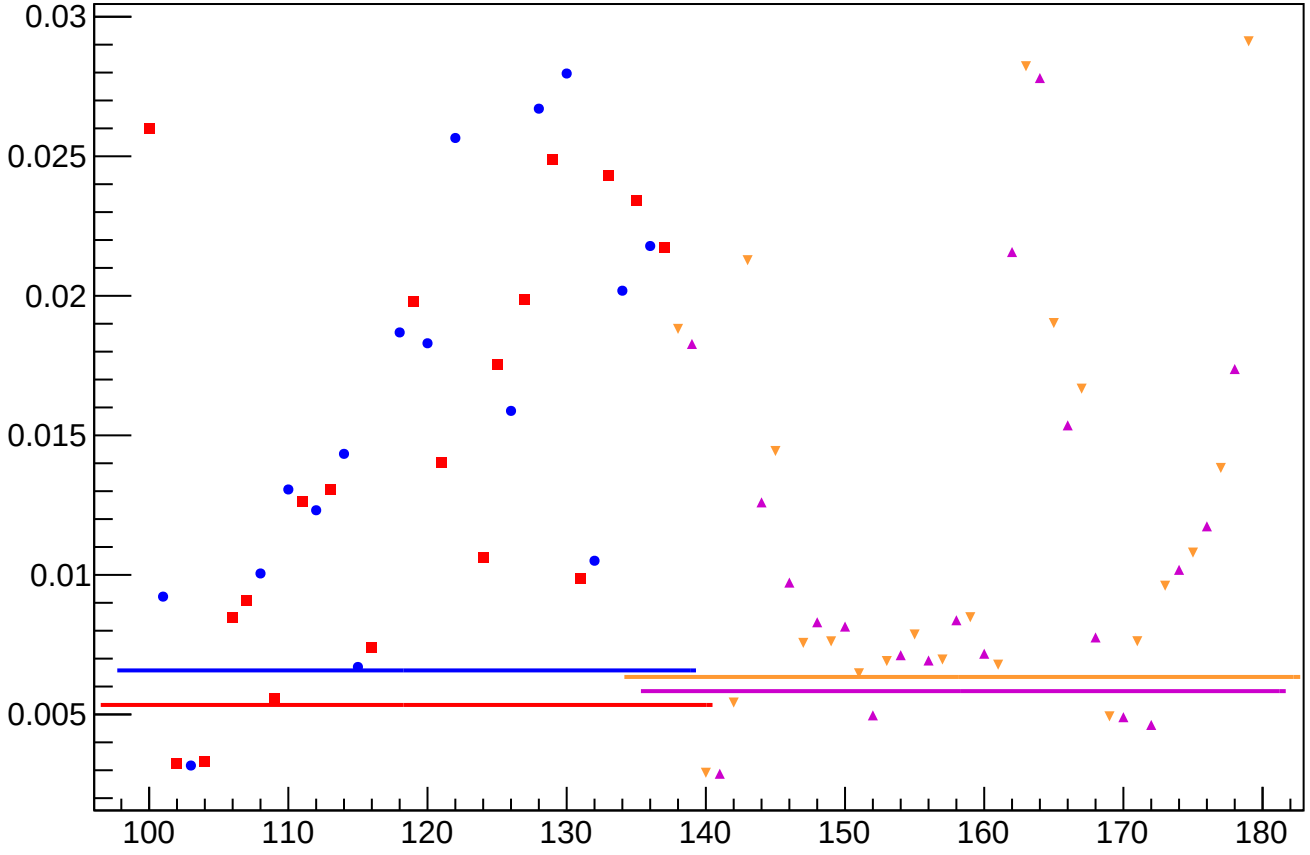
Left In: -0.000+/-0.000 χ^2/NDF:20.3/19

+ sign -0.000+/-0.000 χ^2/NDF: 60.6/37

All: -0.000+/-0.000 χ^2/NDF: 107.4/76

- sign 0.000+/-0.000 χ^2/NDF: 43.0/38

asym_atr_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 5928012.0/15

Left Out: 0.006+/-0.000 χ^2/NDF:8760932.2/21

Right Out: 0.005+/-0.000 χ^2/NDF: 5685915.4/18

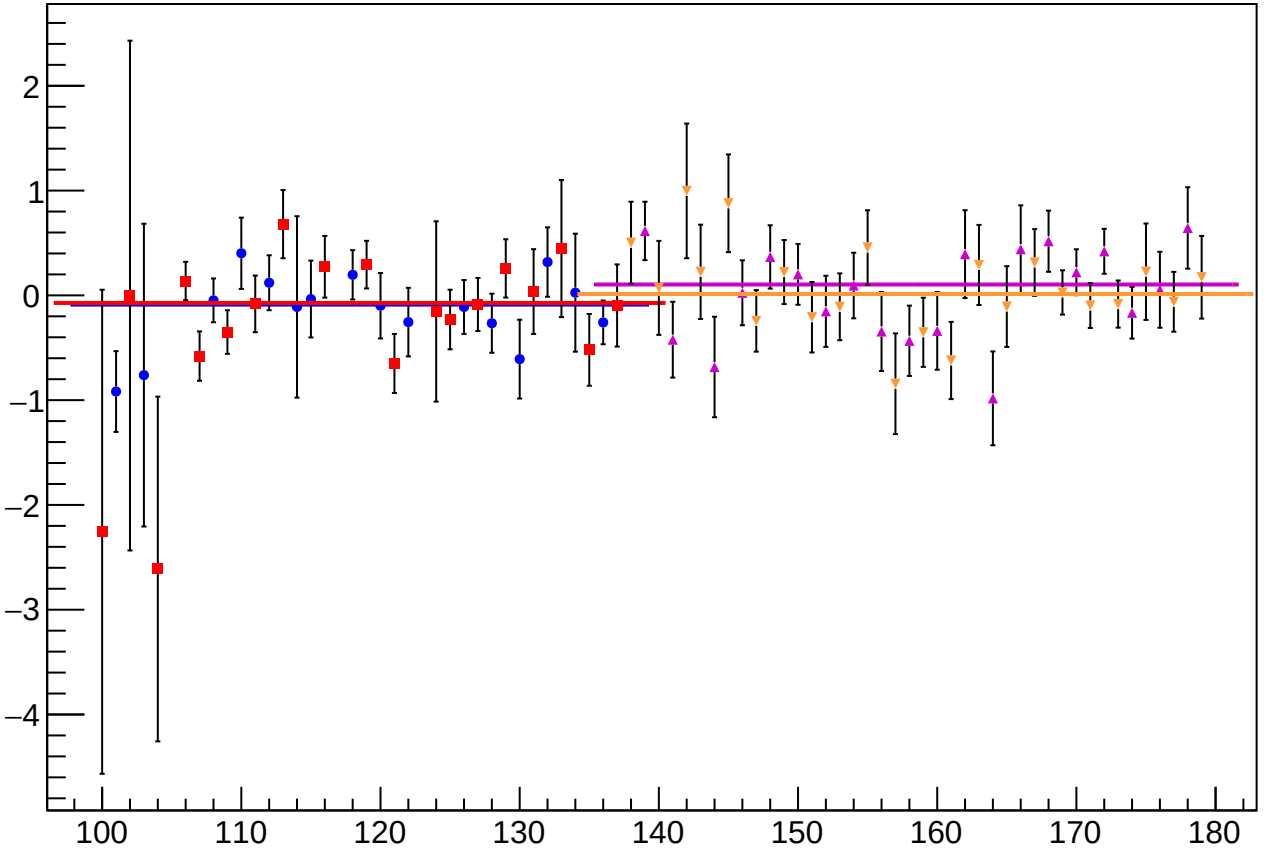
Left In: 0.006+/-0.000 χ^2/NDF:7369717.3/19

+ sign 0.006+/-0.000 χ^2/NDF: 14696622.2/37

All: 0.006+/-0.000 χ^2/NDF: 28027600.4/76

- sign 0.006+/-0.000 χ^2/NDF: 13106949.7/38

asym_atr_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.013+/-0.070 χ^2/NDF:20.7/21

Right Out: -0.072+/-0.070 χ^2/NDF: 28.7/18

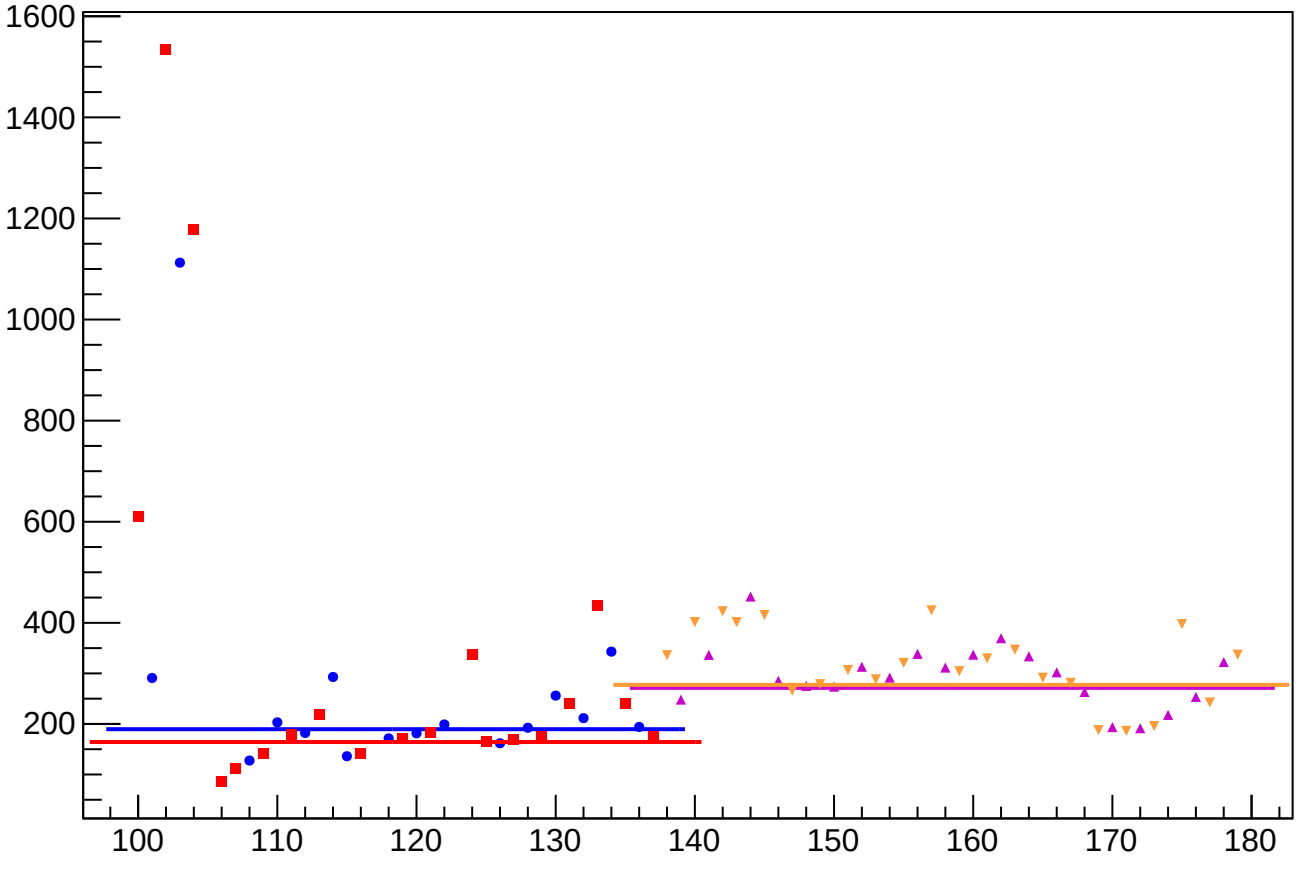
Left In: 0.104+/-0.070 χ^2/NDF:29.7/19

+ sign -0.033+/-0.052 χ^2/NDF: 35.6/37

All: -0.008+/-0.036 χ^2/NDF: 97.5/76

- sign 0.015+/-0.050 χ^2/NDF: 61.5/38

asym_atr_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 189.628+/-0.054 χ^2/NDF: 1465464.1/15

Left Out: 277.317+/-0.050 χ^2/NDF:2185048.4/21

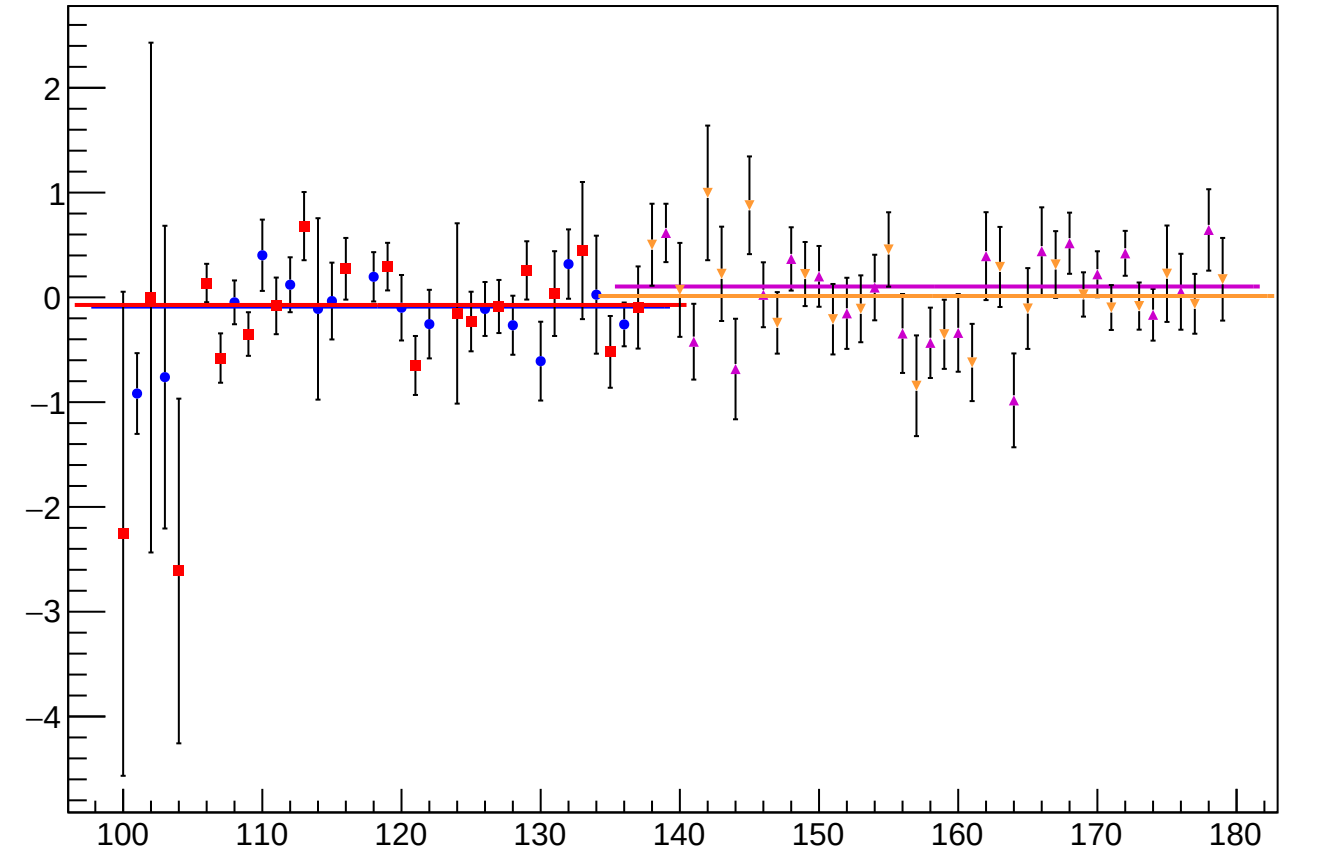
Right Out: 164.286+/-0.050 χ^2/NDF: 2643465.6/18

Left In: 271.381+/-0.050 χ^2/NDF:1384370.4/19

+ sign 237.499+/-0.037 χ^2/NDF: 5075111.0/37

All: 227.097+/-0.025 χ^2/NDF: 11584084.2/76

- sign 217.513+/-0.035 χ^2/NDF: 6353598.3/38



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.013+/-0.070 χ^2/NDF:20.7/21

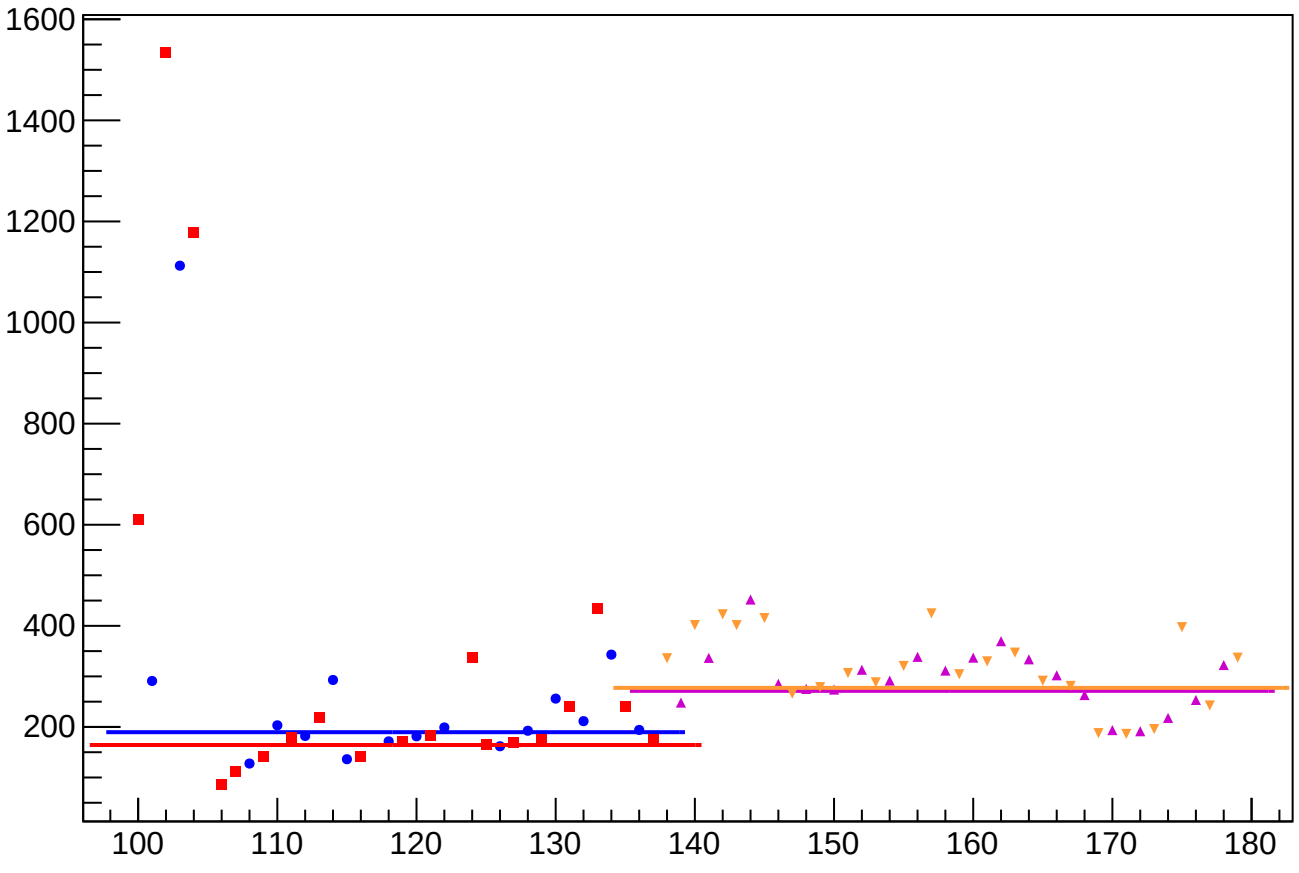
Right Out: -0.072+/-0.070 χ^2/NDF: 28.7/18

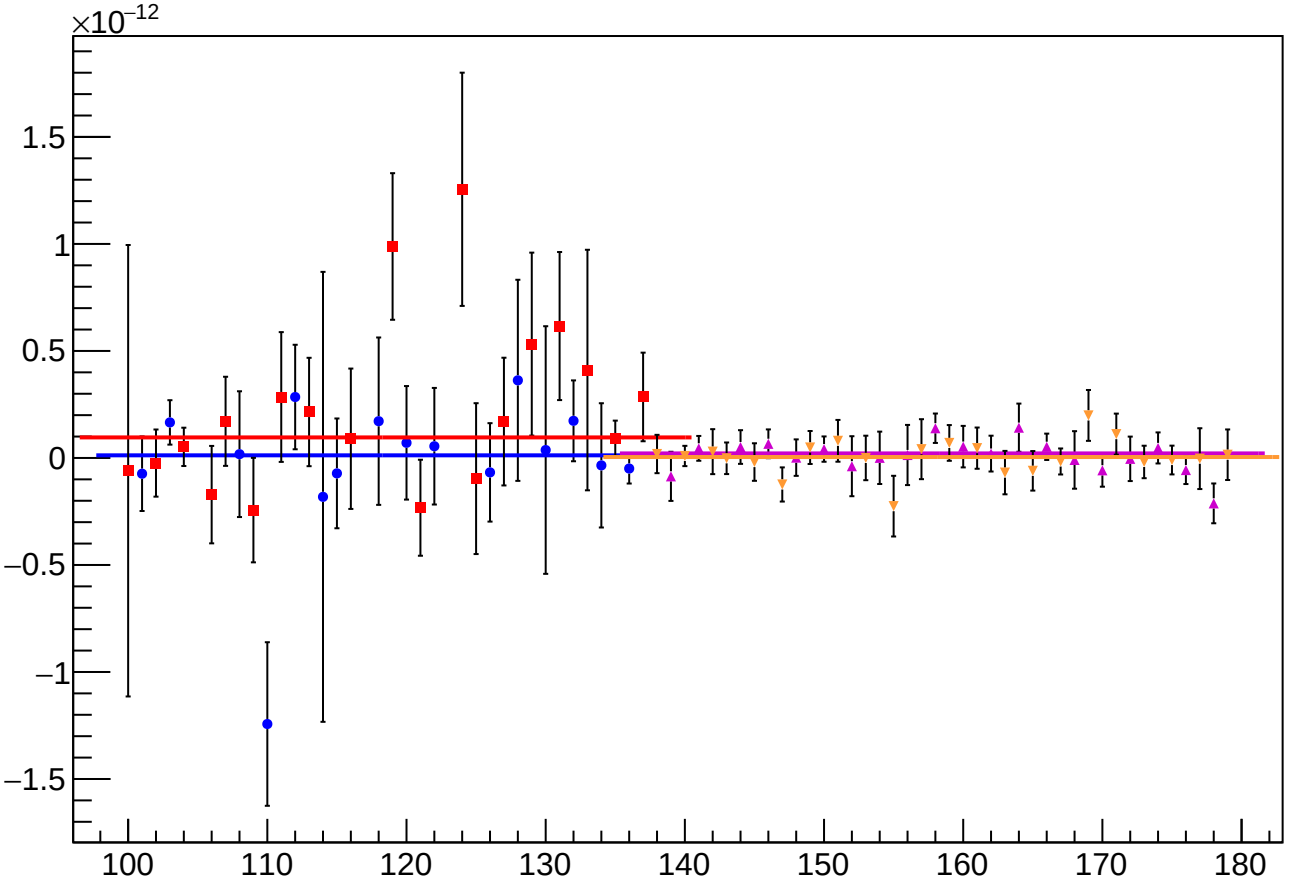
Left In: 0.104+/-0.070 χ^2/NDF:29.7/19

+ sign -0.033+/-0.052 χ^2/NDF: 35.6/37

All: -0.008+/-0.036 χ^2/NDF: 97.5/76

- sign 0.015+/-0.050 χ^2/NDF: 61.5/38


asym_atr_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
1600
1400
1200
1000
800
600
400
200
100
110
120
130
140
150
160
170
180
Right In: 189.628+/-0.054 χ²/NDF: 1465464.1/15
Left Out: 277.317+/-0.050 χ²/NDF:2185048.4/21
Right Out: 164.286+/-0.050 χ²/NDF: 2643465.6/18
Left In: 271.381+/-0.050 χ²/NDF:1384370.4/19
+ sign 237.499+/-0.037 χ²/NDF: 5075111.0/37
All: 227.097+/-0.025 χ²/NDF: 11584084.2/76
- sign 217.513+/-0.035 χ²/NDF: 6353598.3/38



Right In: 0.000+/-0.000 χ^2/NDF: 17.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.4/21

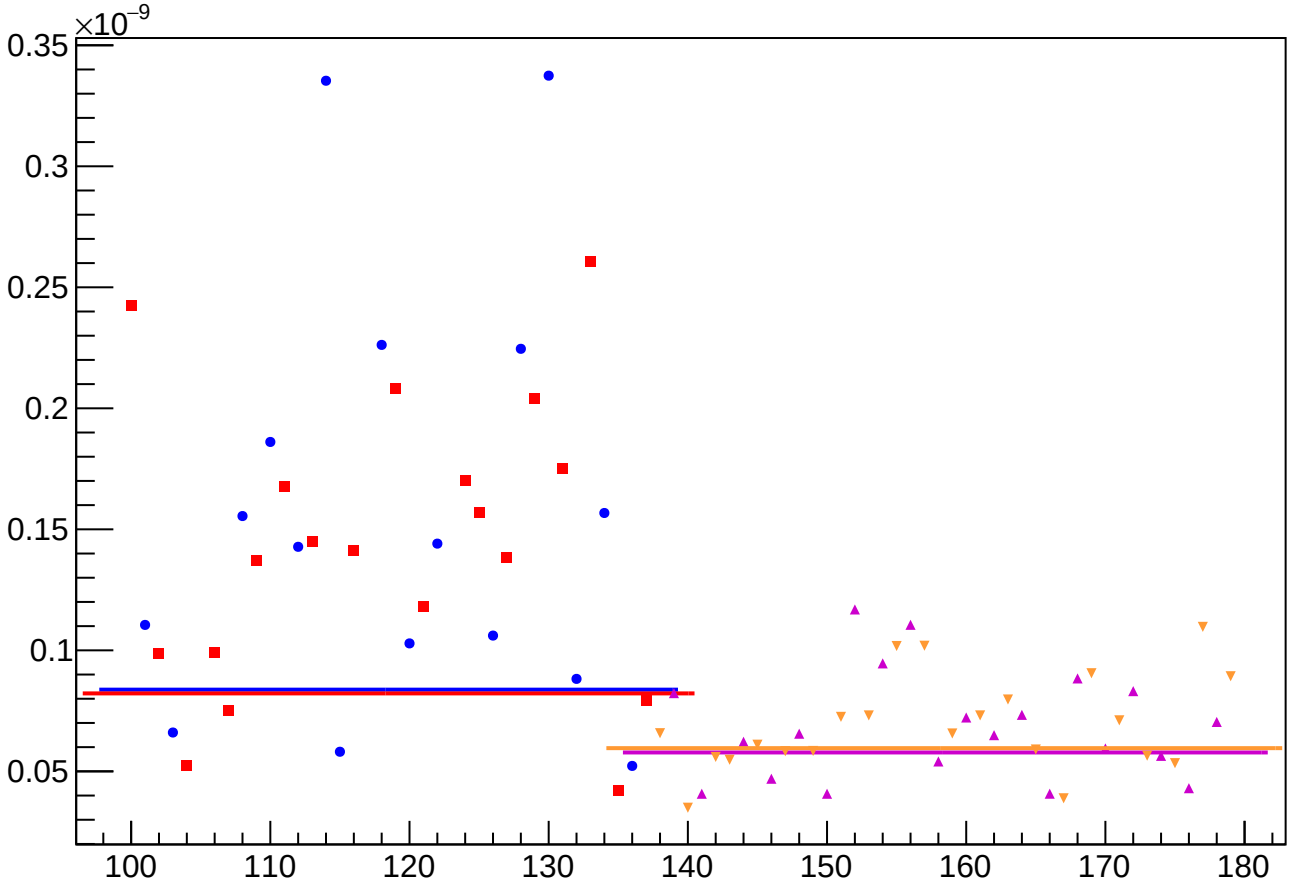
Right Out: 0.000+/-0.000 χ^2/NDF: 23.2/18

Left In: 0.000+/-0.000 χ^2/NDF:15.5/19

+ sign 0.000+/-0.000 χ^2/NDF: 29.5/37

All: 0.000+/-0.000 χ^2/NDF: 71.7/76

- sign 0.000+/-0.000 χ^2/NDF: 41.0/38



Right In: 0.000+/-0.000 χ^2/NDF: 2109060.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1910903.3/21

Right Out: 0.000+/-0.000 χ^2/NDF: 2271900.5/18

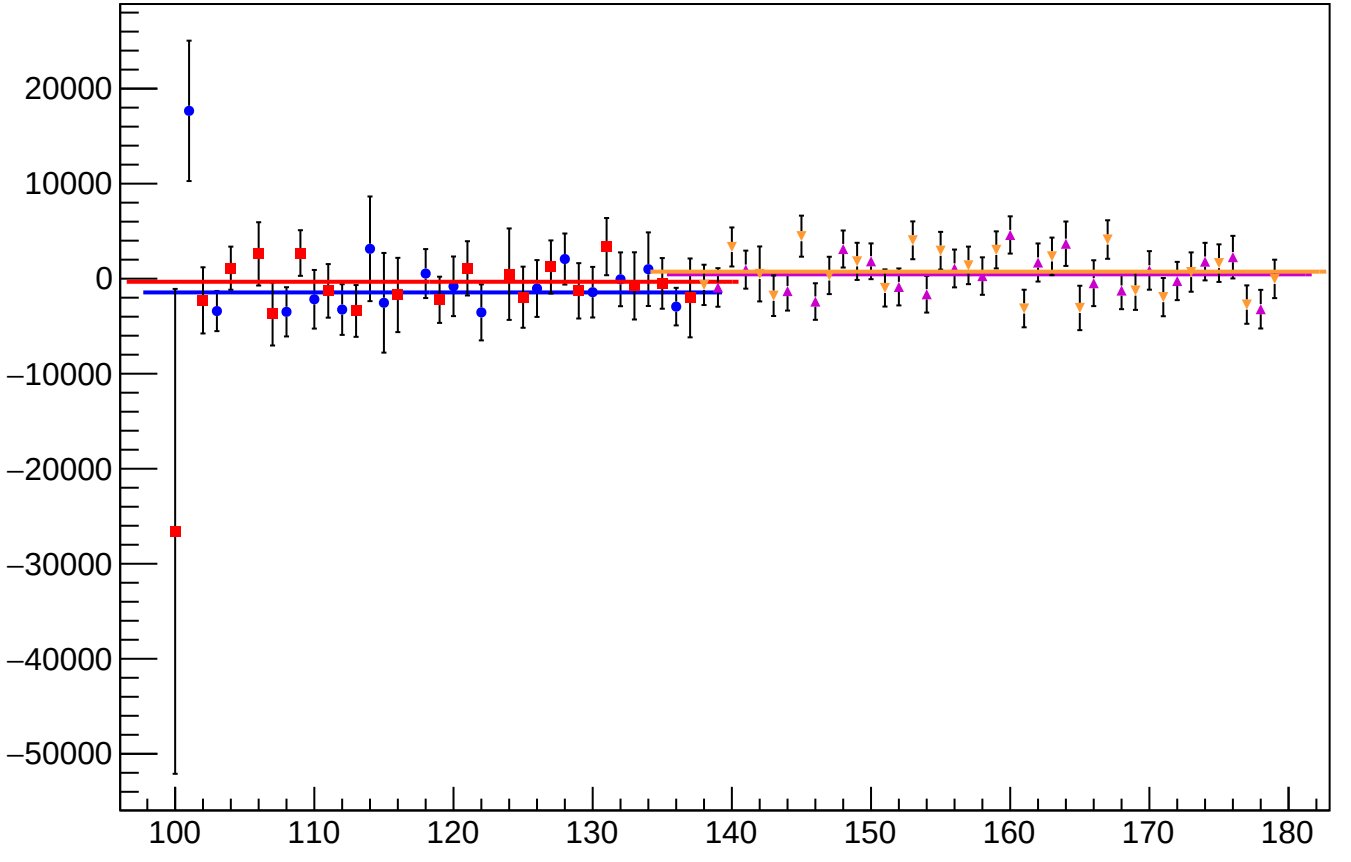
Left In: 0.000+/-0.000 χ^2/NDF:1942811.2/19

+ sign 0.000+/-0.000 χ^2/NDF: 4505306.5/37

All: 0.000+/-0.000 χ^2/NDF: 9239284.7/76

- sign 0.000+/-0.000 χ^2/NDF: 4724742.0/38

reg_asym_atr_dd_mean vs Slug



Right In: -1446.547+/-723.140 χ^2/NDF: 13.5/15

Left Out: 738.815+/-437.425 χ^2/NDF:29.0/21

Right Out: -325.908+/-702.648 χ^2/NDF: 9.9/18

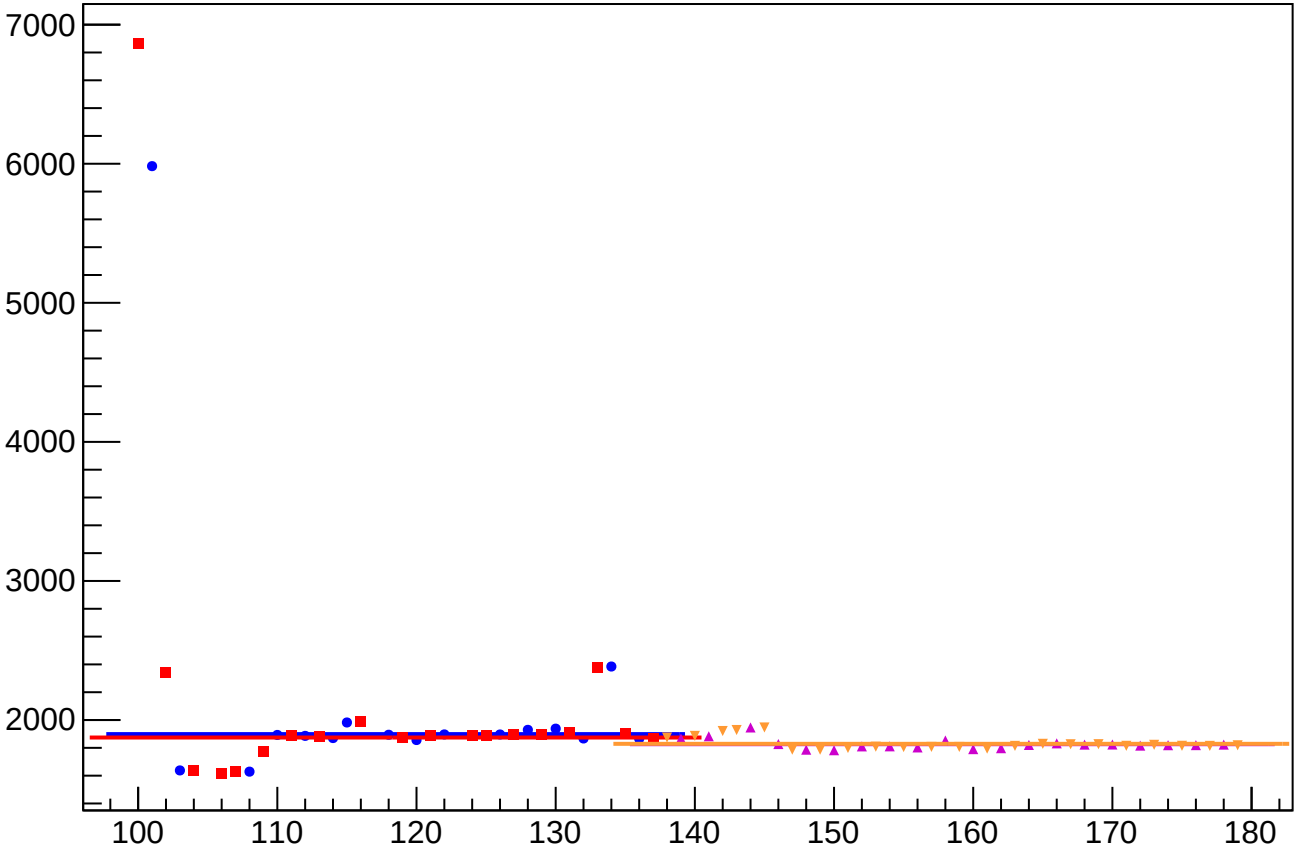
Left In: 456.553+/-451.765 χ^2/NDF:19.8/19

+ sign 153.396+/-374.278 χ^2/NDF: 49.2/37

All: 189.985+/-266.655 χ^2/NDF: 79.9/76

- sign 227.702+/-380.000 χ^2/NDF: 30.6/38

reg_asym_atr_dd_rms vs Slug



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.2/15

Left Out: 1828.898+/-0.309 χ^2/NDF:19166.2/21

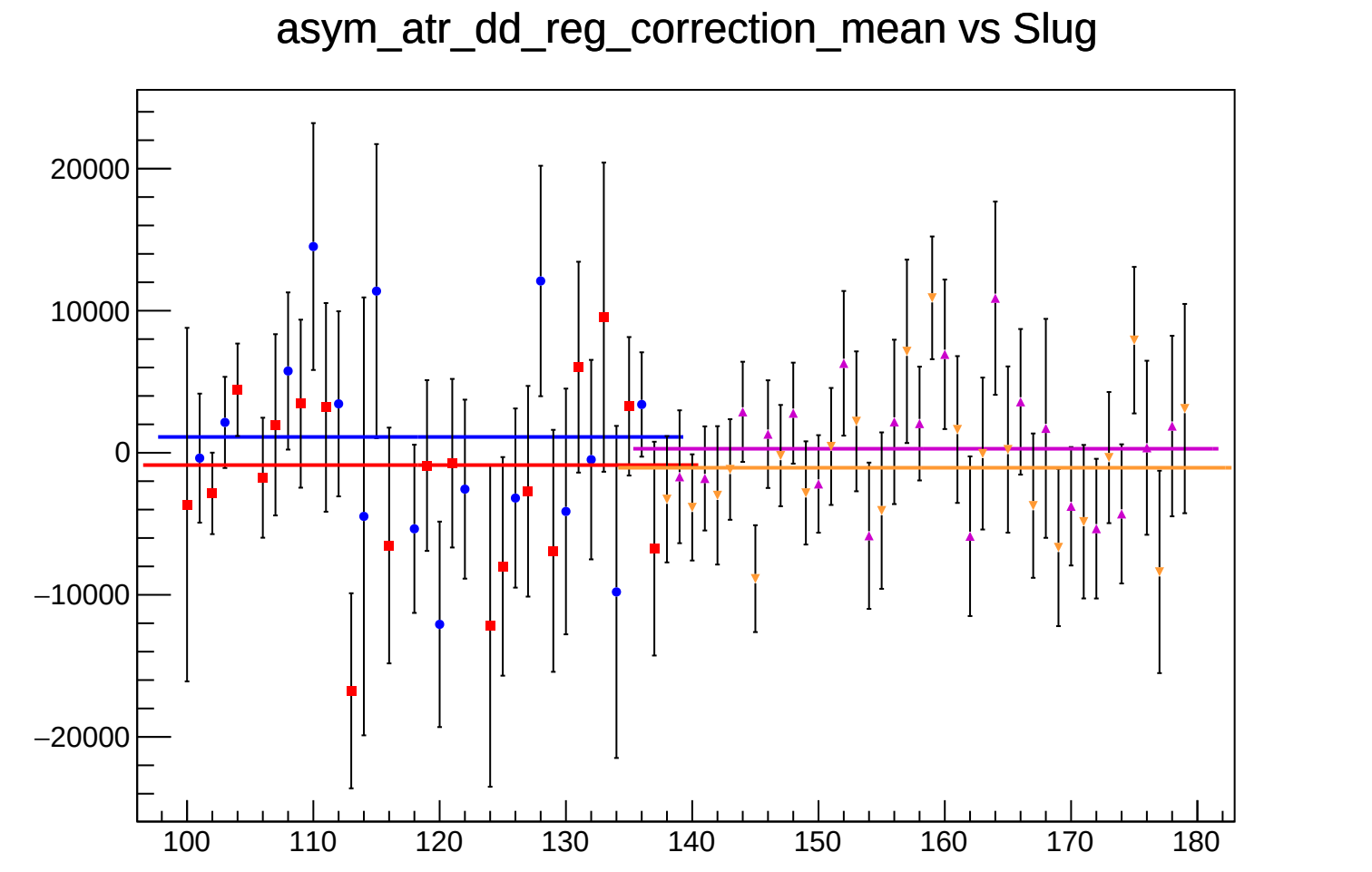
Right Out: 1874.251+/-0.495 χ^2/NDF: 207657.7/18

Left In: 1826.139+/-0.319 χ^2/NDF:13275.4/19

+ sign 1847.631+/-0.265 χ^2/NDF: 730372.4/37

All: 1844.006+/-0.188 χ^2/NDF: 958352.4/76

- sign 1840.278+/-0.268 χ^2/NDF: 227599.5/38



Right In: 1112.704+/-1479.265 χ^2/NDF: 13.4/15

Left Out: -1055.554+/-995.033 χ^2/NDF:22.3/21

Right Out: -866.976+/-1307.223 χ^2/NDF: 15.6/18

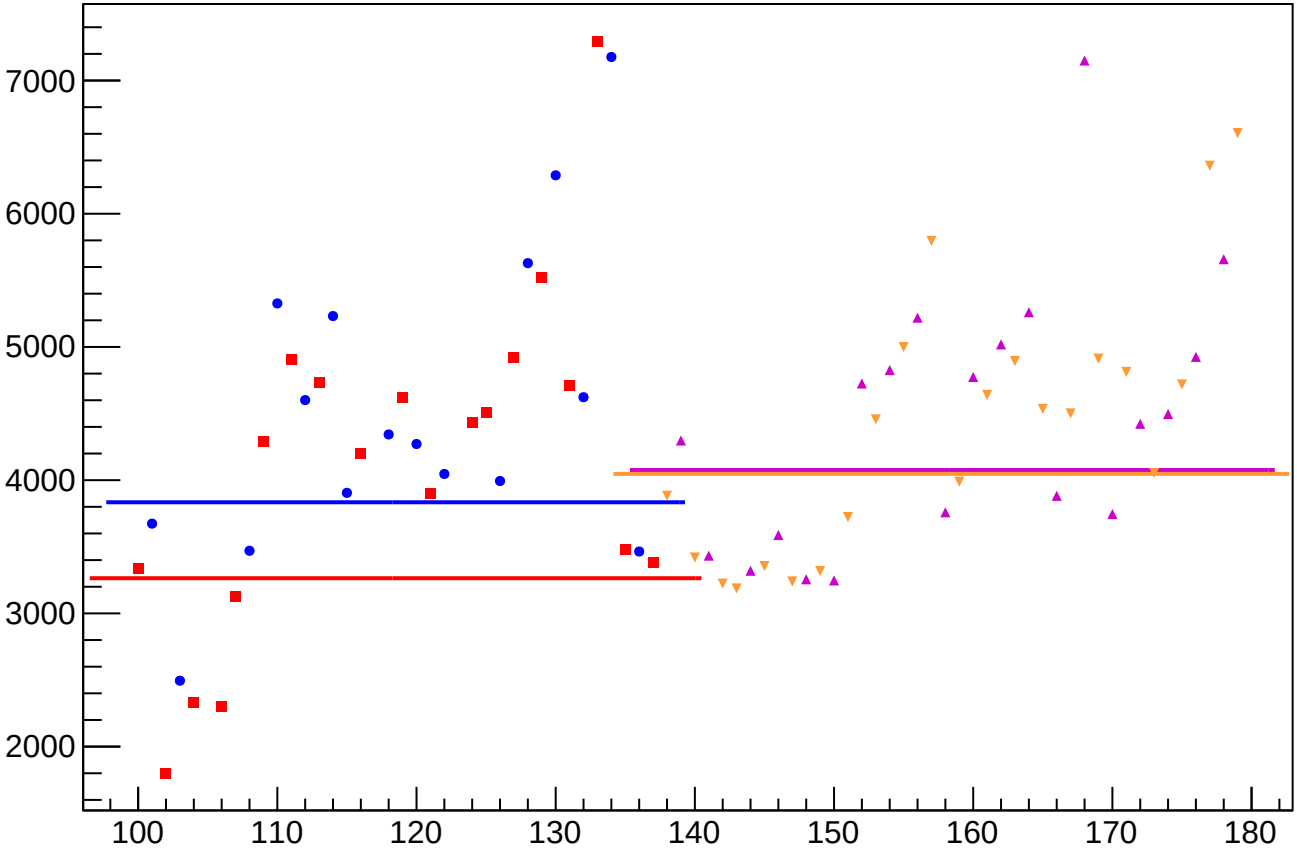
Left In: 282.027+/-1031.876 χ^2/NDF:14.1/19

+ sign -380.111+/-825.629 χ^2/NDF: 37.2/37

All: -267.470+/-578.183 χ^2/NDF: 67.4/76

- sign -159.068+/-809.944 χ^2/NDF: 30.2/38

asym_atr_dd_reg_correction_rms vs Slug



Right In: 3834.164+/-1.046 χ^2/NDF: 956775.6/15

Left Out: 4047.278+/-0.704 χ^2/NDF:1399650.4/21

Right Out: 3264.110+/-0.924 χ^2/NDF: 1864241.4/18

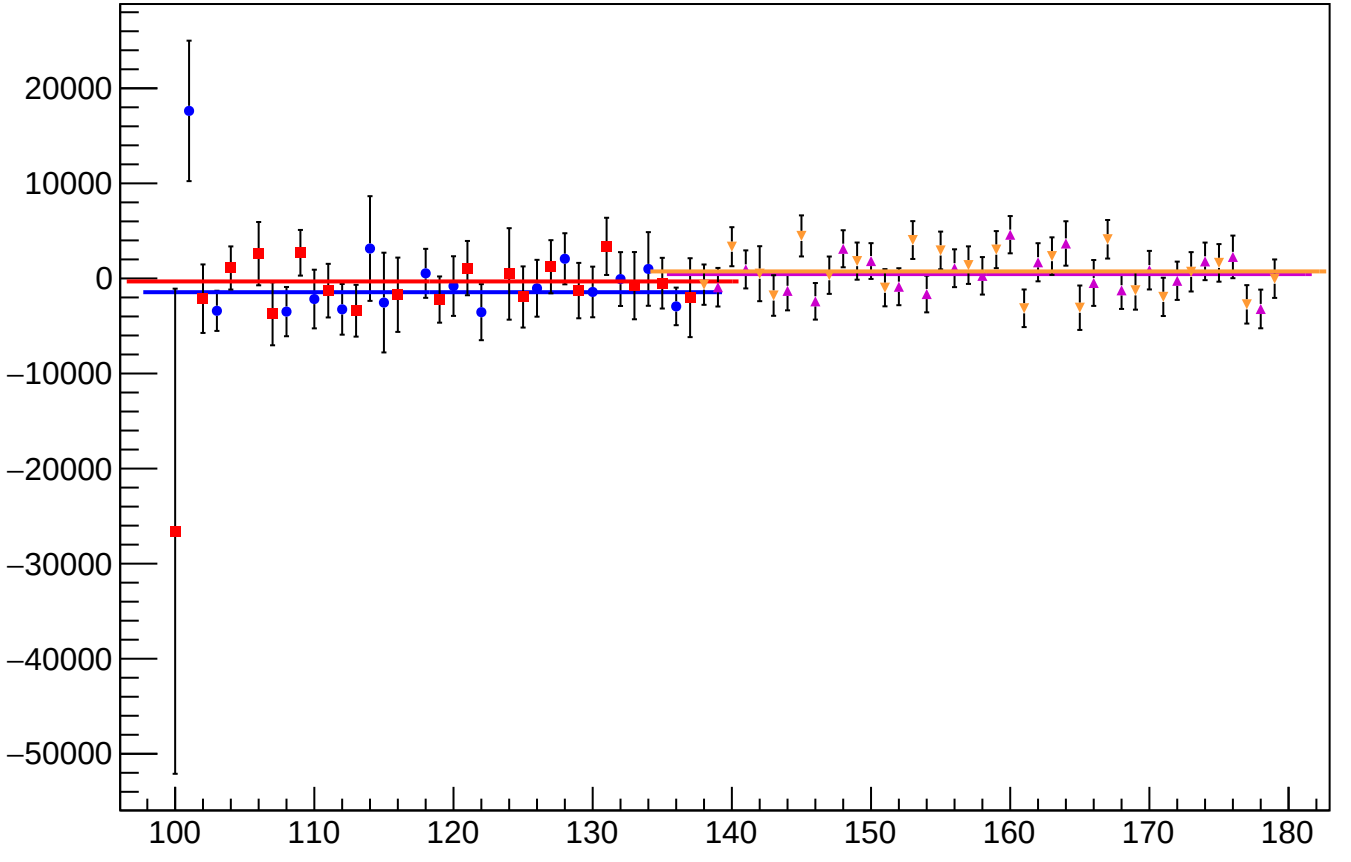
Left In: 4076.130+/-0.730 χ^2/NDF:1252965.7/19

+ sign 3980.890+/-0.584 χ^2/NDF: 2385005.7/37

All: 3870.570+/-0.409 χ^2/NDF: 6047751.9/76

- sign 3764.401+/-0.573 χ^2/NDF: 3592672.8/38

cor_asym_atr_dd_mean vs Slug



Right In: -1446.933+/-723.140 χ^2/NDF: 13.5/15

Left Out: 738.876+/-437.426 χ^2/NDF:29.0/21

Right Out: -315.462+/-703.596 χ^2/NDF: 9.9/18

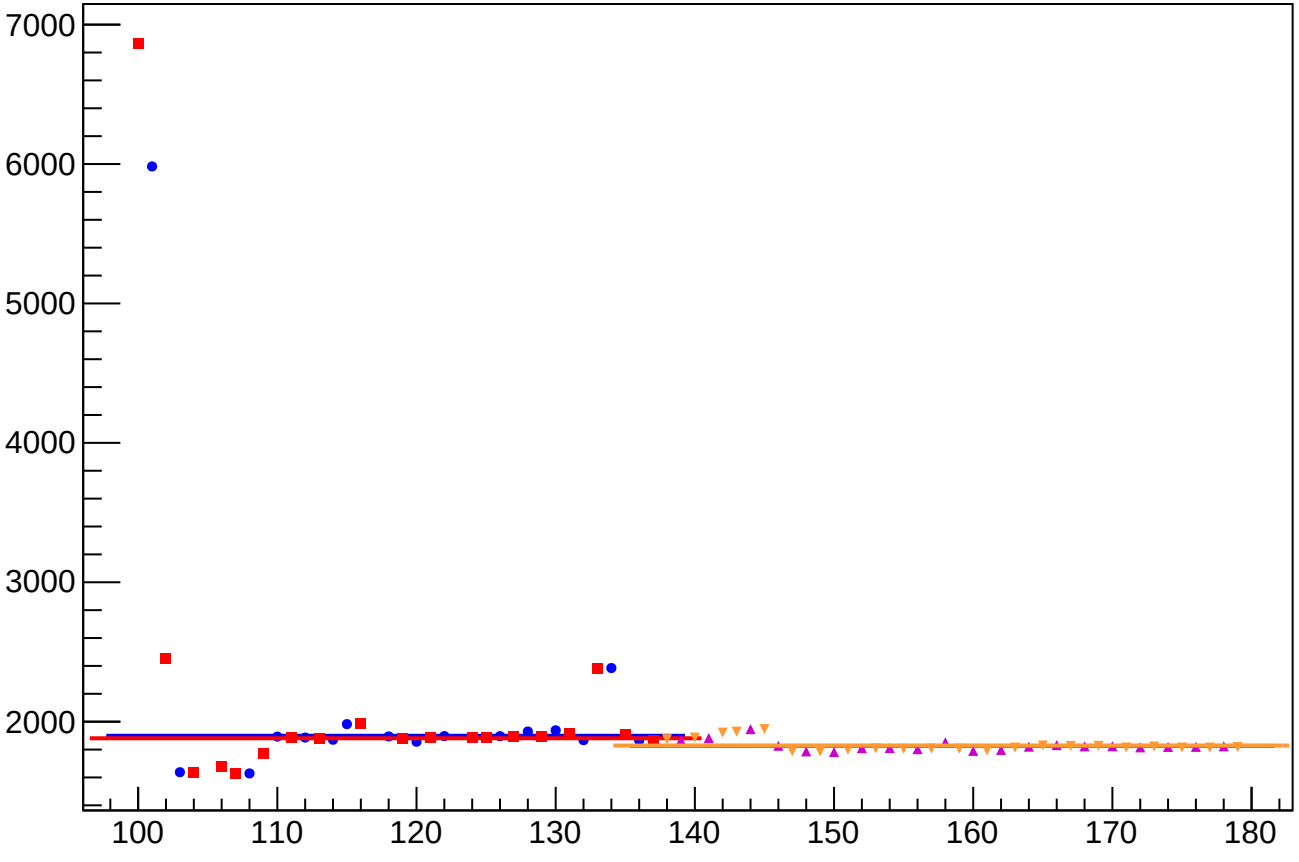
Left In: 456.435+/-451.765 χ^2/NDF:19.8/19

+ sign 153.336+/-374.278 χ^2/NDF: 49.2/37

All: 191.615+/-266.706 χ^2/NDF: 79.7/76

- sign 231.104+/-380.150 χ^2/NDF: 30.5/38

cor_asym_atr_dd_rms vs Slug



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.4/15

Left Out: 1828.898+/-0.309 χ^2/NDF:19166.2/21

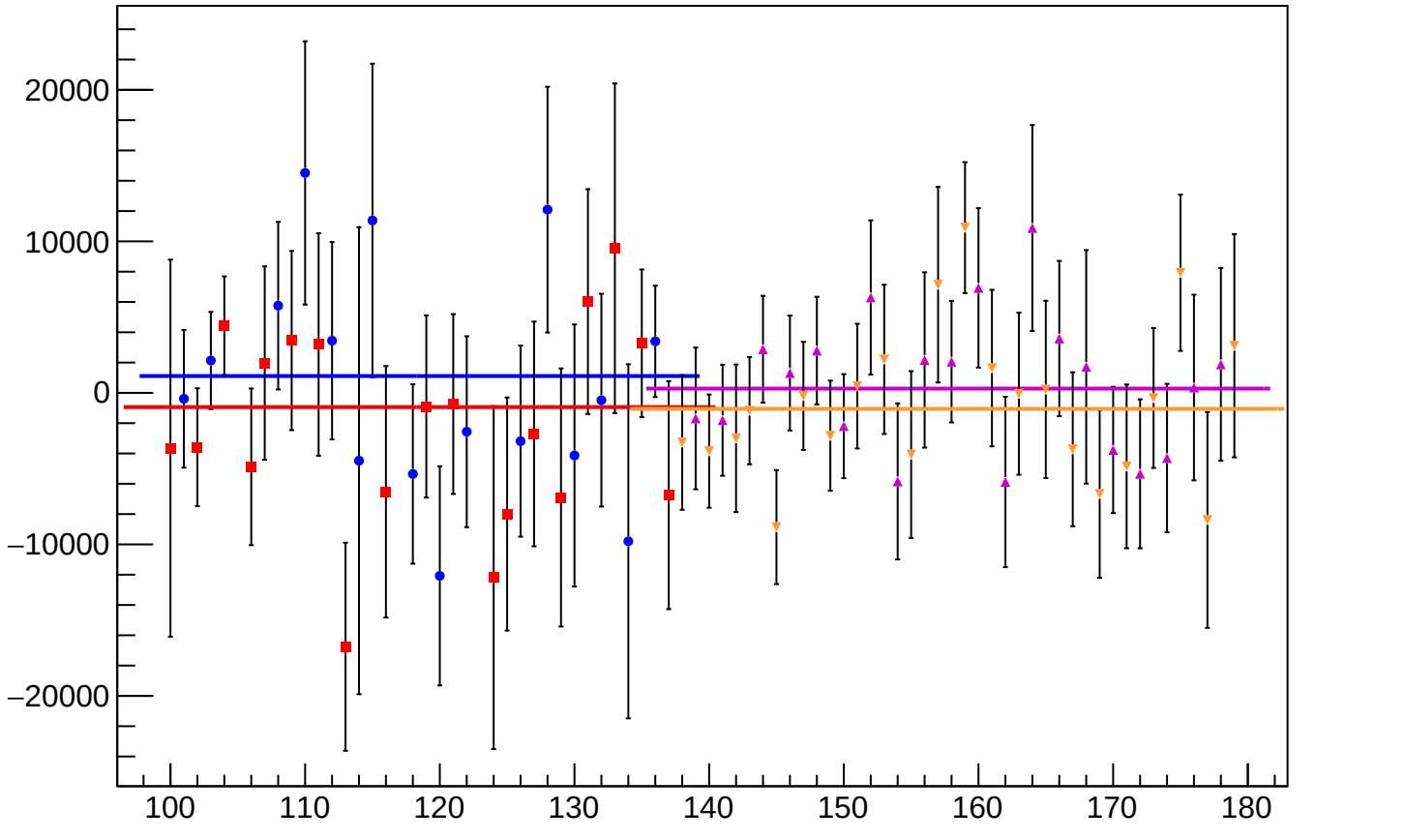
Right Out: 1881.007+/-0.497 χ^2/NDF: 216564.4/18

Left In: 1826.139+/-0.319 χ^2/NDF:13275.4/19

+ sign 1847.630+/-0.265 χ^2/NDF: 730372.5/37

All: 1844.952+/-0.189 χ^2/NDF: 969051.2/76

- sign 1842.191+/-0.269 χ^2/NDF: 238470.7/38



Right In: 1111.533+/-1479.438 χ^2/NDF: 13.4/15

Left Out: -1055.555+/-995.032 χ^2/NDF:22.3/21

Right Out: -940.712+/-1398.993 χ^2/NDF: 16.2/18

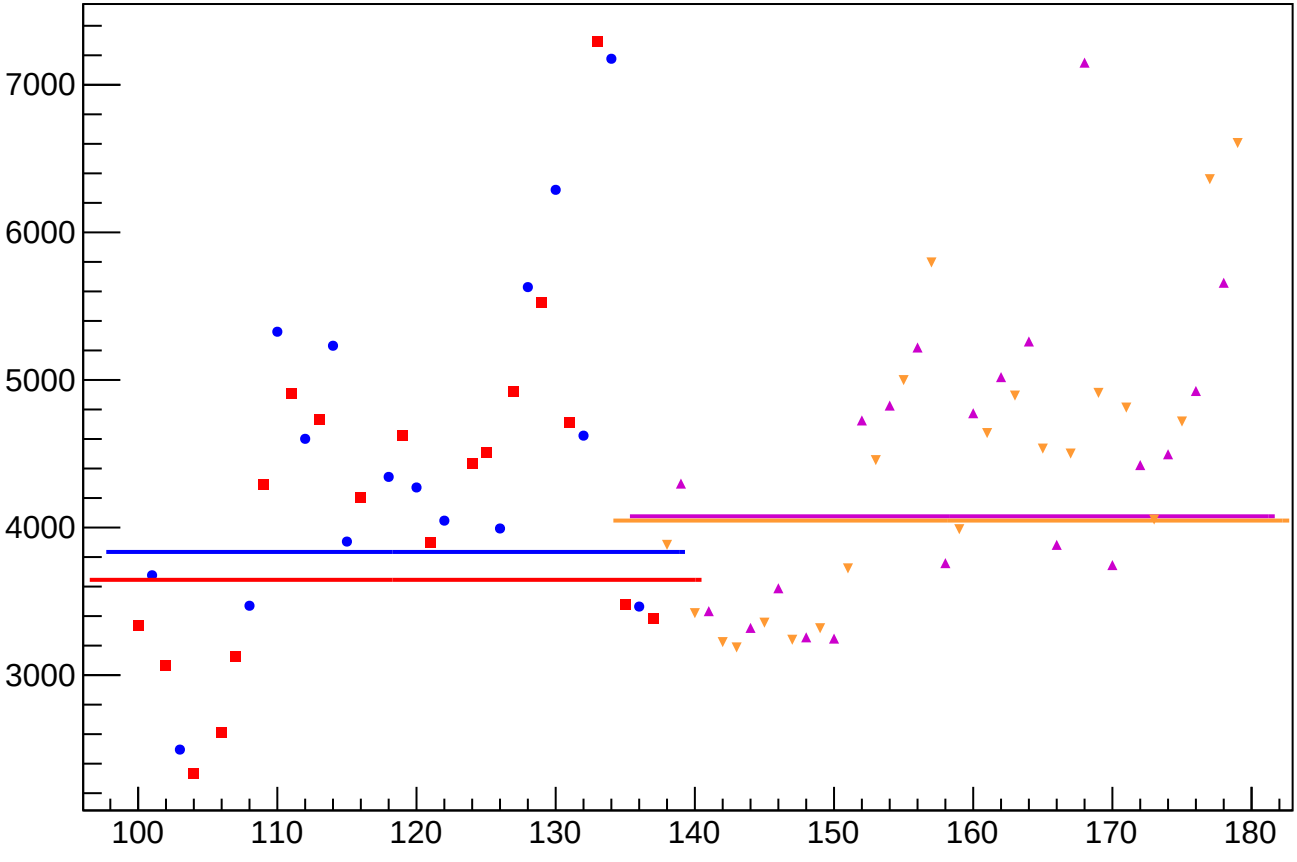
Left In: 282.034+/-1031.874 χ^2/NDF:14.1/19

+ sign -380.586+/-825.658 χ^2/NDF: 37.2/37

All: -265.356+/-585.506 χ^2/NDF: 68.0/76

- sign -148.793+/-830.422 χ^2/NDF: 30.8/38

asym_atr_dd_cor_correction_rms vs Slug



Right In: 3834.690+/-1.046 χ^2/NDF: 956312.2/15

Left Out: 4047.274+/-0.704 χ^2/NDF:1399643.7/21

Right Out: 3645.689+/-0.989 χ^2/NDF: 1124981.4/18

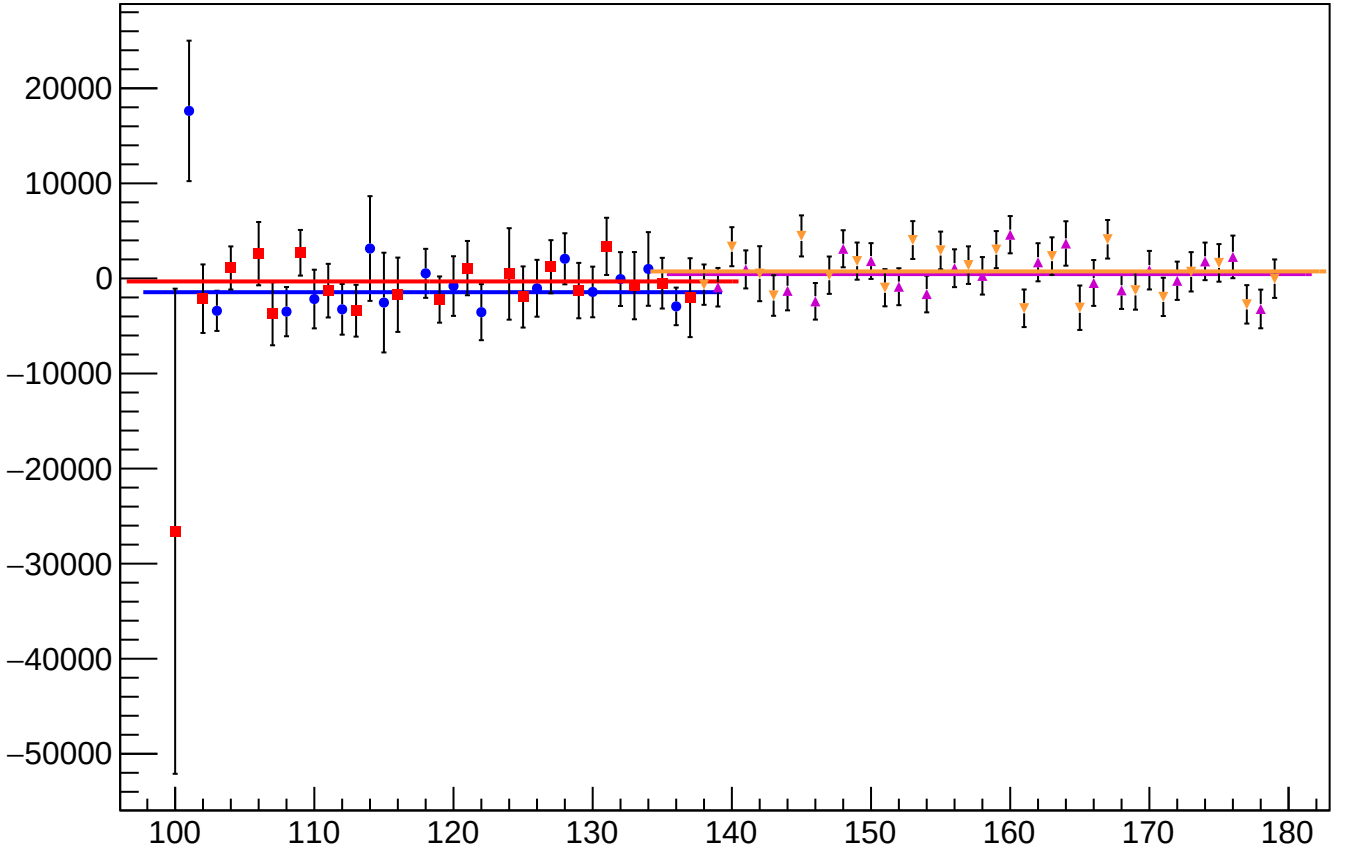
Left In: 4076.123+/-0.730 χ^2/NDF:1252977.6/19

+ sign 3981.062+/-0.584 χ^2/NDF: 2384389.1/37

All: 3952.925+/-0.414 χ^2/NDF: 4889638.7/76

- sign 3924.462+/-0.587 χ^2/NDF: 2500577.3/38

eigen_cor_asym_atr_dd_mean vs Slug



Right In: -1446.933+/-723.140 χ^2/NDF: 13.5/15

Left Out: 738.876+/-437.426 χ^2/NDF:29.0/21

Right Out: -315.462+/-703.596 χ^2/NDF: 9.9/18

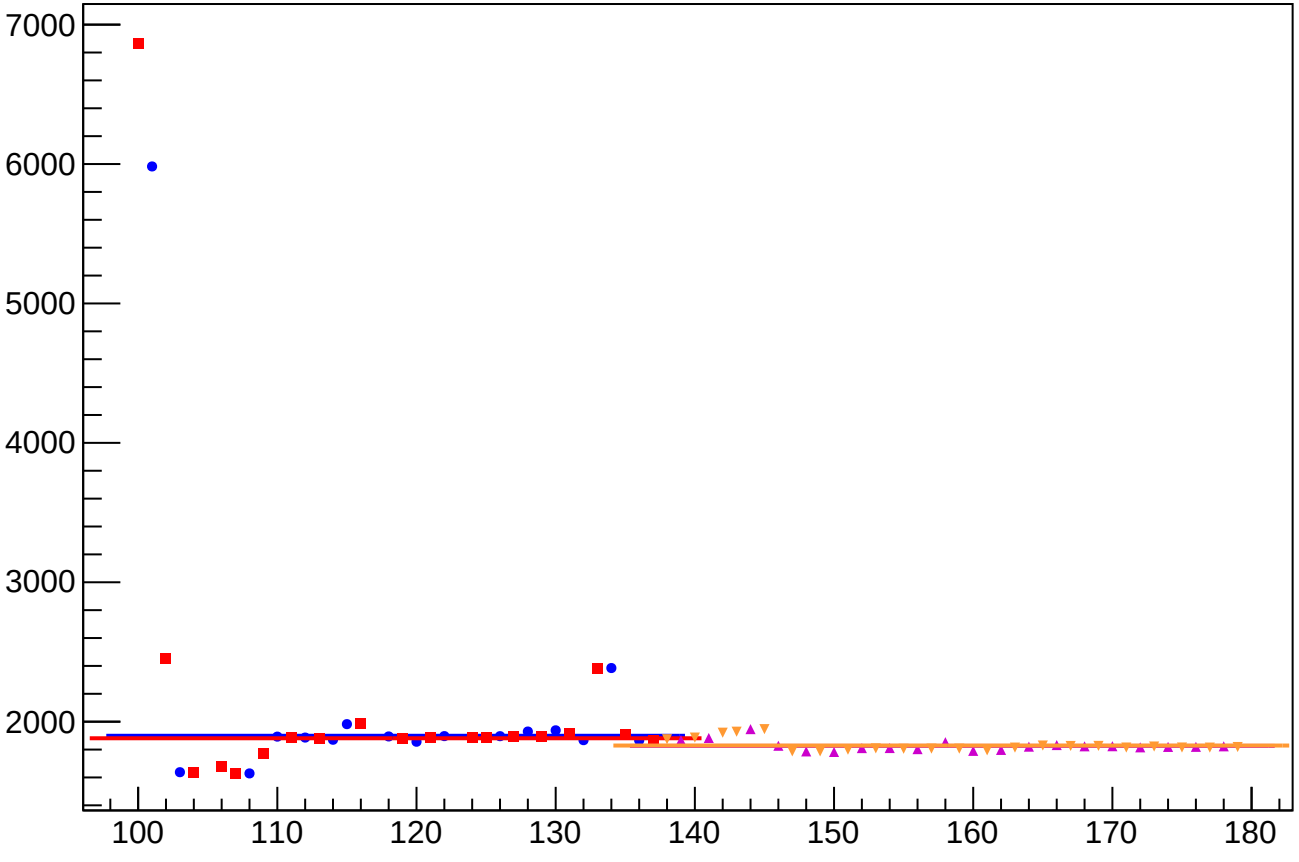
Left In: 456.435+/-451.765 χ^2/NDF:19.8/19

+ sign 153.336+/-374.278 χ^2/NDF: 49.2/37

All: 191.615+/-266.706 χ^2/NDF: 79.7/76

- sign 231.104+/-380.150 χ^2/NDF: 30.5/38

eigen_cor_asym_atr_dd_rms vs Slug



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.4/15

Left Out: 1828.898+/-0.309 χ^2/NDF:19166.2/21

Right Out: 1881.007+/-0.497 χ^2/NDF: 216564.4/18

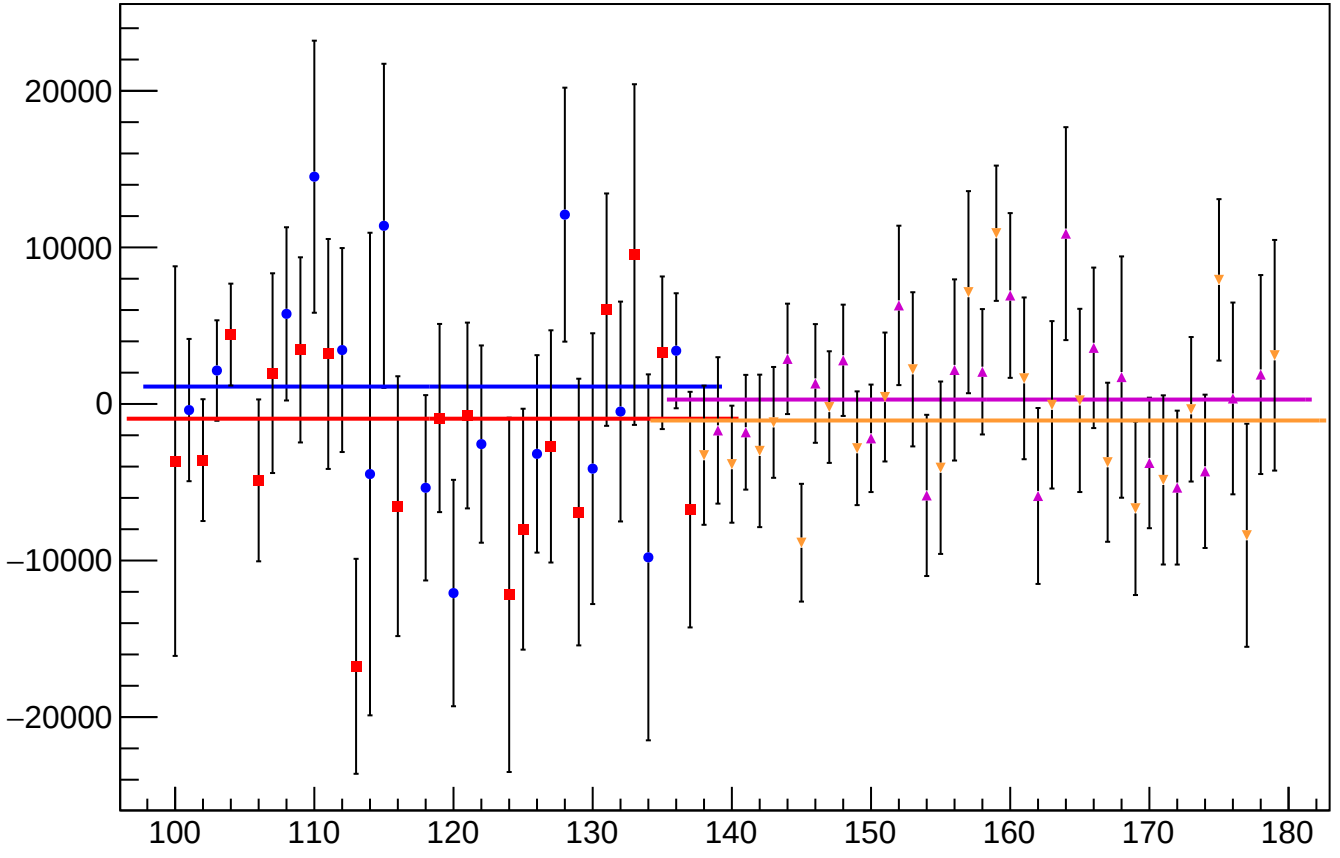
Left In: 1826.139+/-0.319 χ^2/NDF:13275.4/19

+ sign 1847.630+/-0.265 χ^2/NDF: 730372.5/37

All: 1844.952+/-0.189 χ^2/NDF: 969051.2/76

- sign 1842.191+/-0.269 χ^2/NDF: 238470.7/38

asym_atr_dd_eigen_cor_correction_mean vs Slug



Right In: 1111.533+/-1479.438 χ^2/NDF: 13.4/15

Left Out: -1055.555+/-995.032 χ^2/NDF:22.3/21

Right Out: -940.712+/-1398.993 χ^2/NDF: 16.2/18

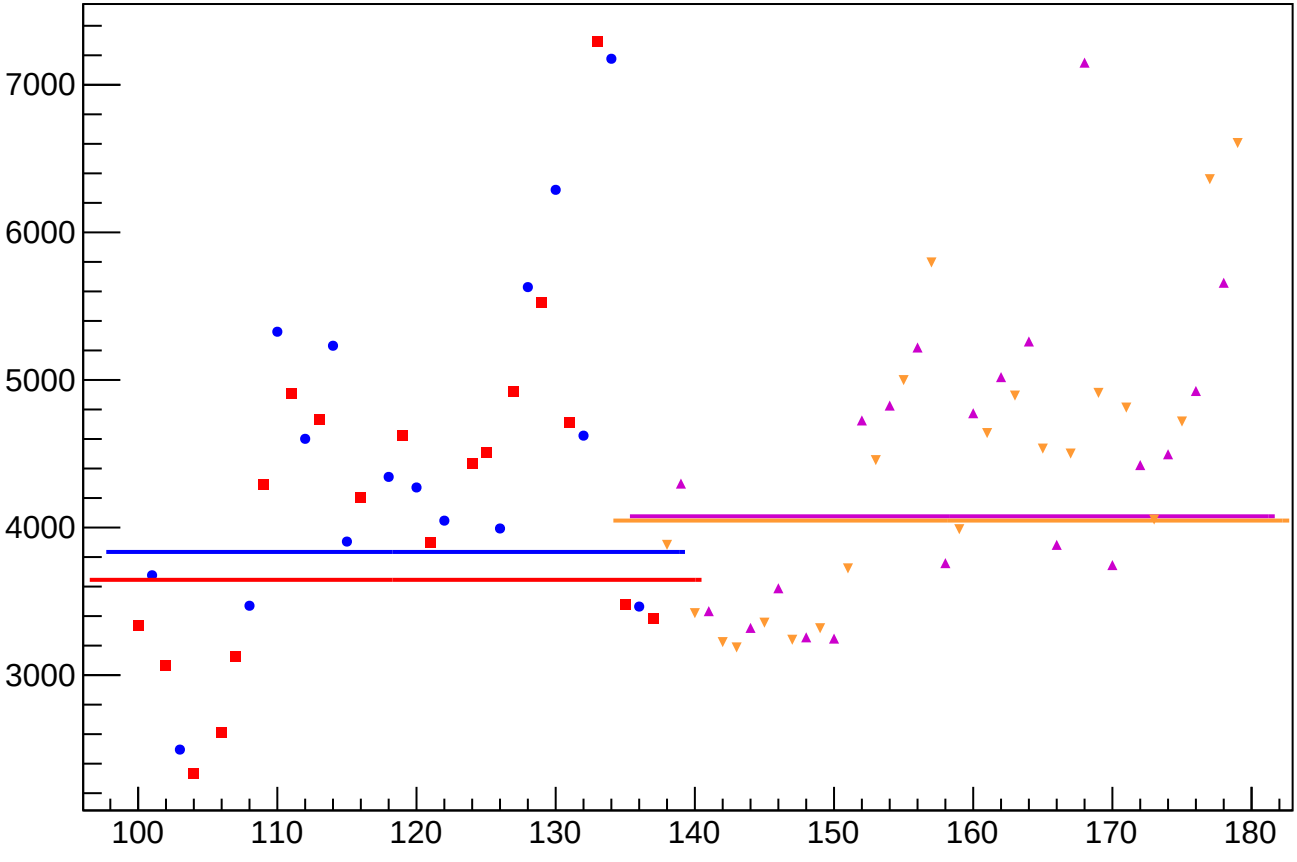
Left In: 282.034+/-1031.874 χ^2/NDF:14.1/19

+ sign -380.586+/-825.658 χ^2/NDF: 37.2/37

All: -265.356+/-585.506 χ^2/NDF: 68.0/76

- sign -148.793+/-830.422 χ^2/NDF: 30.8/38

asym_atr_dd_eigen_cor_correction_rms vs Slug



Right In: 3834.690+/-1.046 χ^2/NDF: 956312.2/15

Left Out: 4047.274+/-0.704 χ^2/NDF:1399643.7/21

Right Out: 3645.689+/-0.989 χ^2/NDF: 1124981.4/18

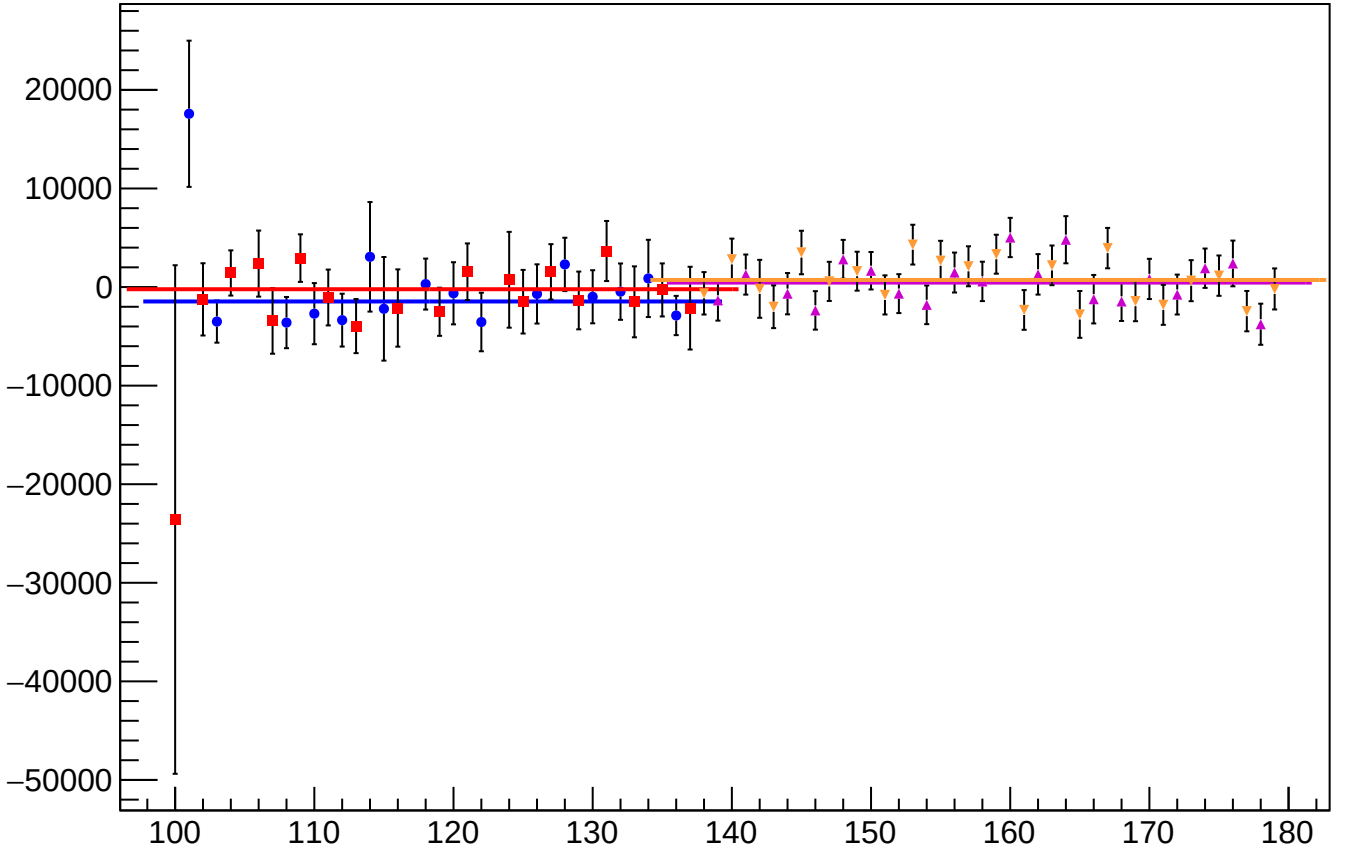
Left In: 4076.123+/-0.730 χ^2/NDF:1252977.6/19

+ sign 3981.062+/-0.584 χ^2/NDF: 2384389.1/37

All: 3952.925+/-0.414 χ^2/NDF: 4889638.7/76

- sign 3924.462+/-0.587 χ^2/NDF: 2500577.3/38

dit_asym_atr_dd_mean vs Slug



Right In: -1462.640+/-728.274 χ^2/NDF: 13.6/15

Left Out: 719.944+/-444.541 χ^2/NDF:24.5/21

Right Out: -219.726+/-708.852 χ^2/NDF: 10.8/18

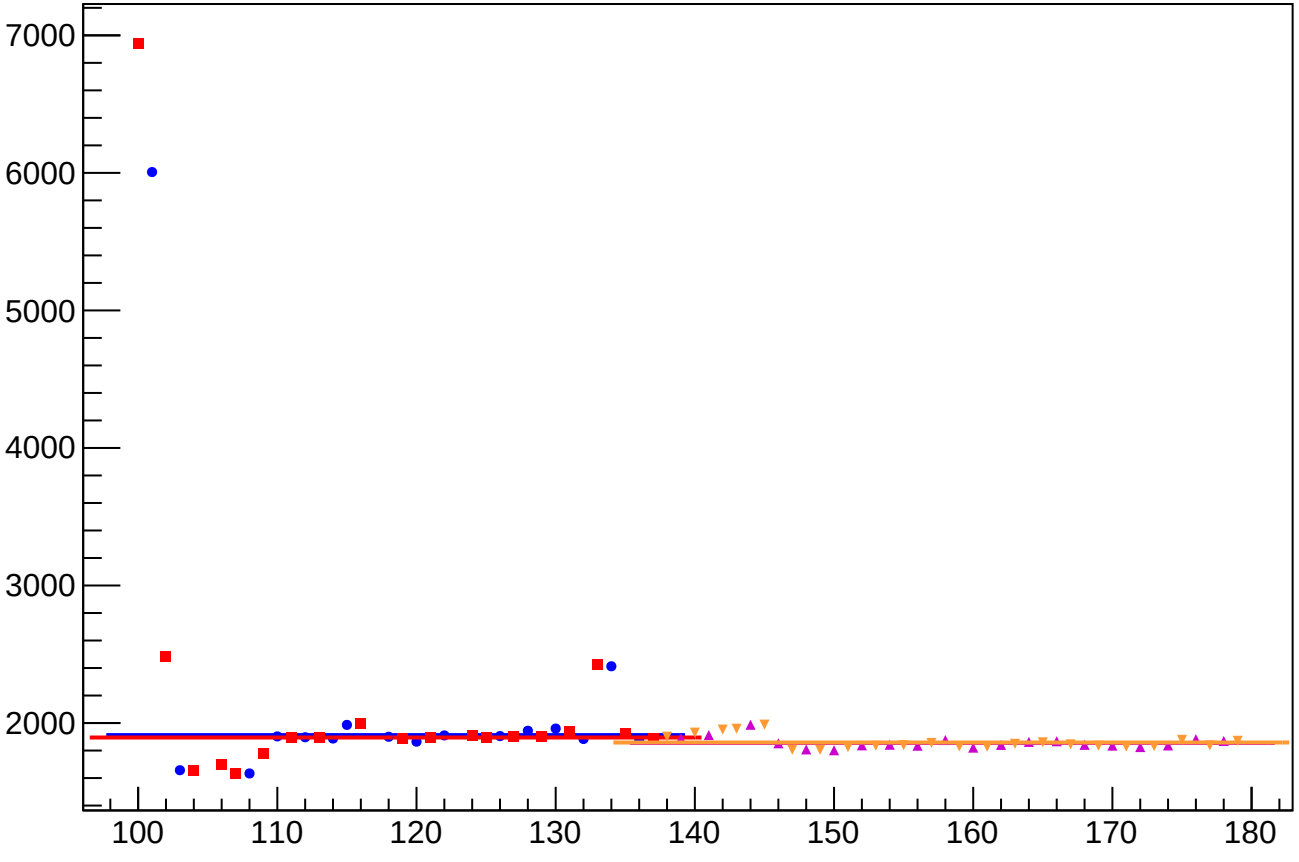
Left In: 454.644+/-458.883 χ^2/NDF:22.9/19

\+ sign 127.479+/-379.438 χ^2/NDF: 44.6/37

All: 190.519+/-270.321 χ^2/NDF: 79.0/76

\- sign 255.492+/-385.211 χ^2/NDF: 34.3/38

dit_asym_atr_dd_rms vs Slug



Right In: 1912.378+/-0.515 χ^2/NDF: 696220.3/15

Left Out: 1858.444+/-0.314 χ^2/NDF:22731.9/21

Right Out: 1894.765+/-0.501 χ^2/NDF: 219781.5/18

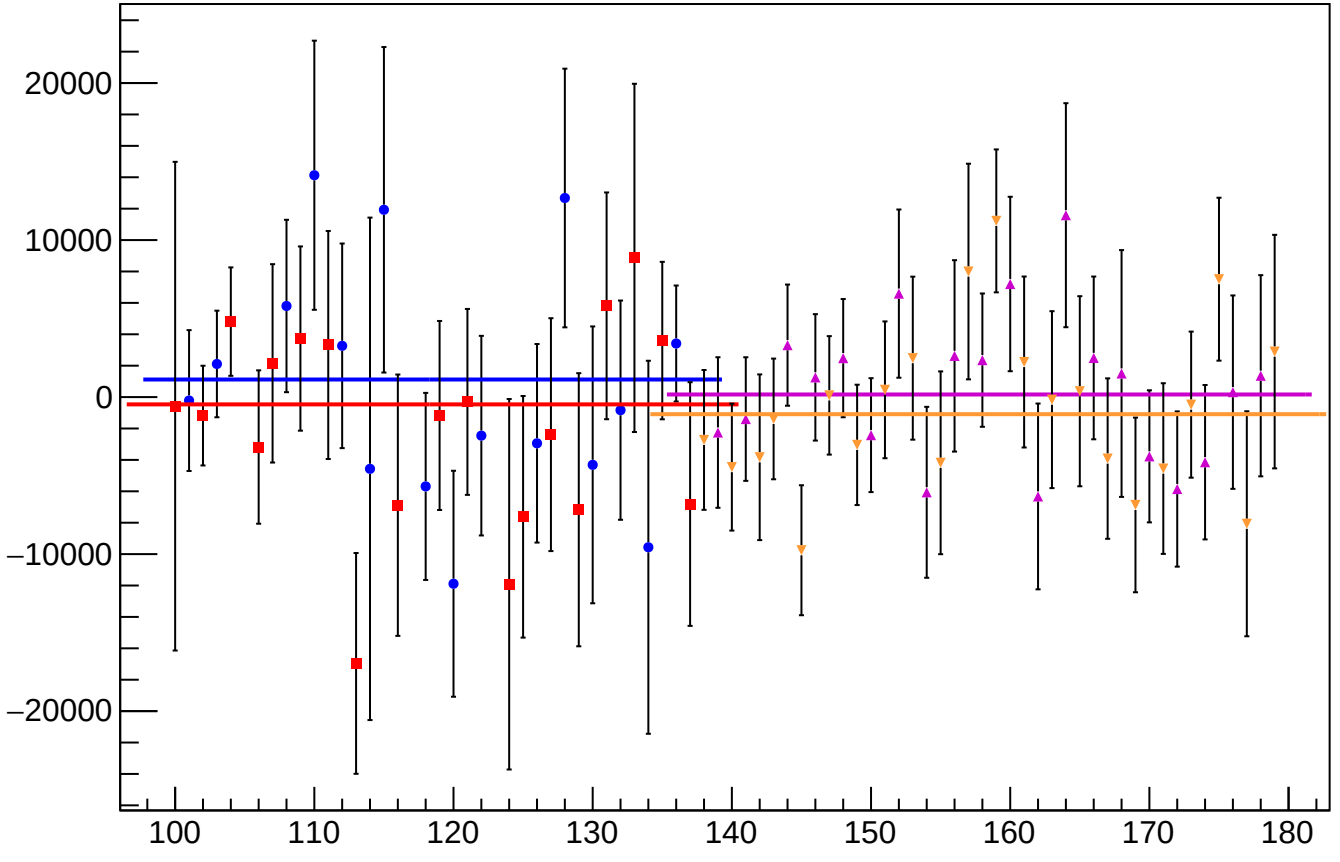
Left In: 1854.761+/-0.324 χ^2/NDF:15480.7/19

+ sign 1873.084+/-0.268 χ^2/NDF: 726943.8/37

All: 1869.886+/-0.191 χ^2/NDF: 966989.8/76

- sign 1866.592+/-0.272 χ^2/NDF: 239757.6/38

asym_atr_dd_dit_correction_mean vs Slug



Right In: 1120.173+/-1497.671 χ^2/NDF: 13.5/15

Left Out: -1089.427+/-1043.290 χ^2/NDF:22.0/21

Right Out: -464.368+/-1370.818 χ^2/NDF: 15.0/18

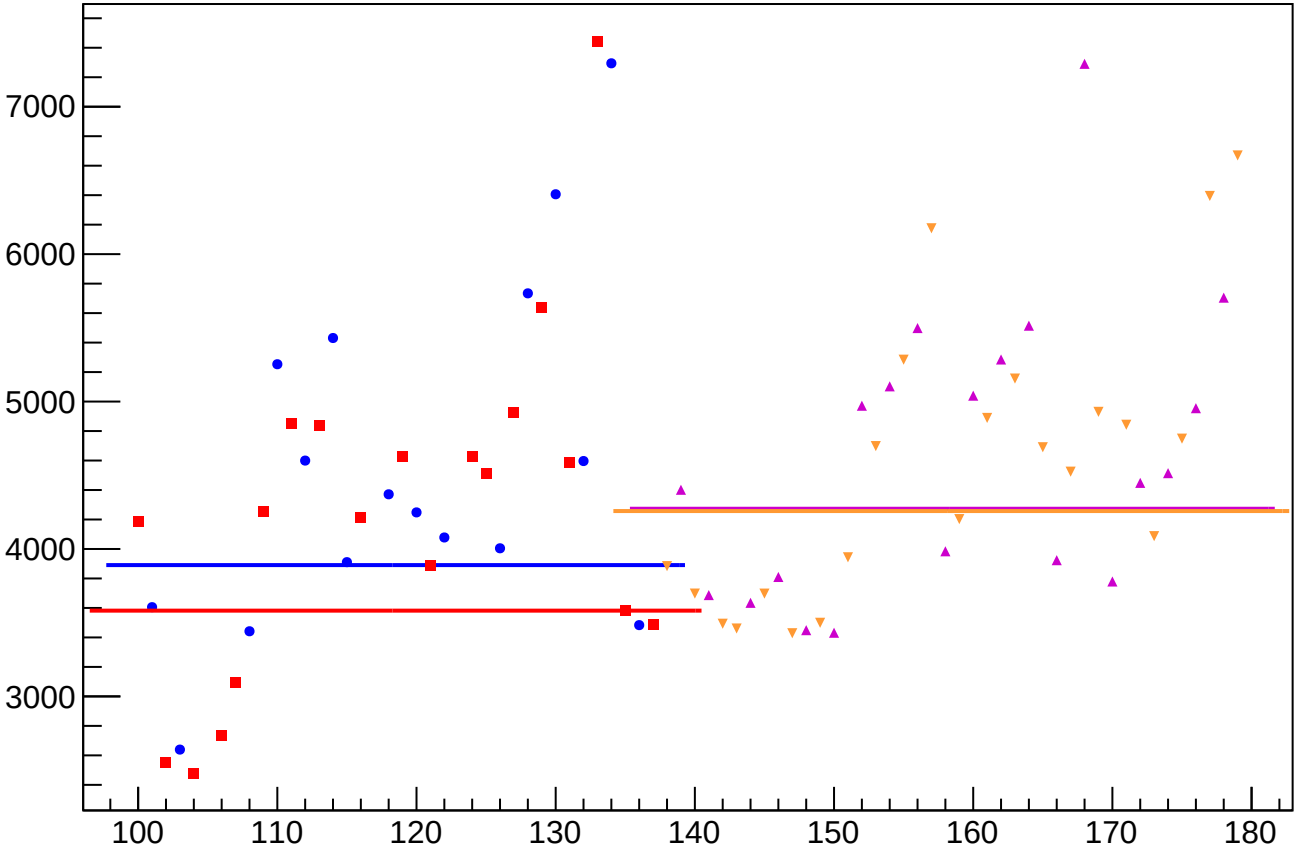
Left In: 166.508+/-1079.519 χ^2/NDF:14.0/19

\+ sign -367.509+/-856.058 χ^2/NDF: 37.0/37

All: -219.878+/-602.495 χ^2/NDF: 66.2/76

\- sign -74.976+/-848.110 χ^2/NDF: 29.1/38

asym_atr_dd_dit_correction_rms vs Slug



Right In: 3890.708+/-1.059 χ^2/NDF: 878418.2/15

Left Out: 4257.286+/-0.738 χ^2/NDF:1190127.4/21

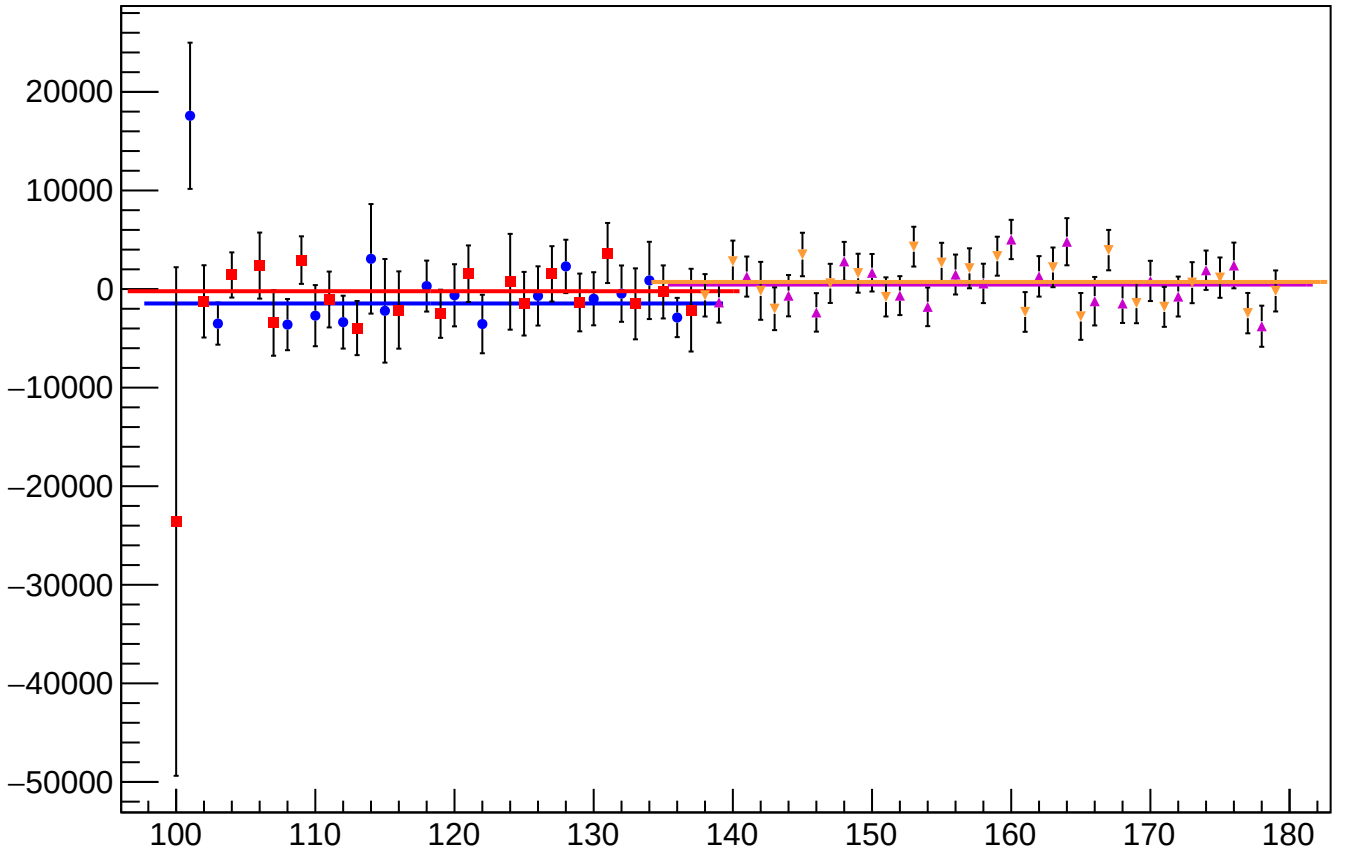
Right Out: 3581.780+/-0.969 χ^2/NDF: 1221855.2/18

Left In: 4272.897+/-0.763 χ^2/NDF:1121396.8/19

+ sign 4137.518+/-0.605 χ^2/NDF: 2149218.3/37

All: 4072.334+/-0.426 χ^2/NDF: 4829222.0/76

- sign 4008.355+/-0.600 χ^2/NDF: 2657026.0/38



Right In: -1462.646+/-728.274 χ^2/NDF: 13.6/15

Left Out: 719.950+/-444.541 χ^2/NDF:24.5/21

Right Out: -219.720+/-708.852 χ^2/NDF: 10.8/18

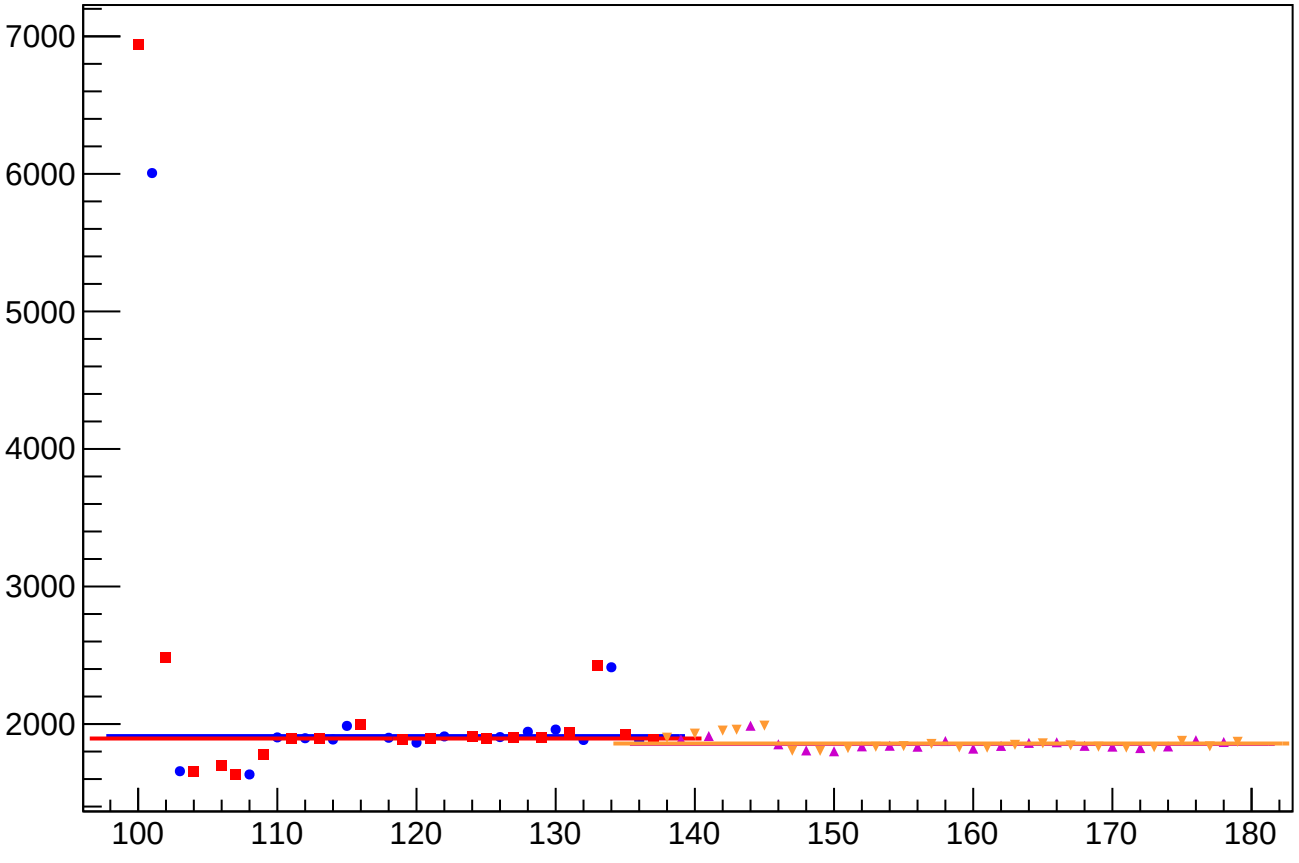
Left In: 454.646+/-458.883 χ^2/NDF:22.9/19

+ sign 127.481+/-379.438 χ^2/NDF: 44.6/37

All: 190.521+/-270.321 χ^2/NDF: 79.0/76

- sign 255.495+/-385.211 χ^2/NDF: 34.3/38

eigen_dit_asym_atr_dd_rms vs Slug



Right In: 1912.378+/-0.515 χ^2/NDF: 696220.1/15

Left Out: 1858.444+/-0.314 χ^2/NDF:22732.0/21

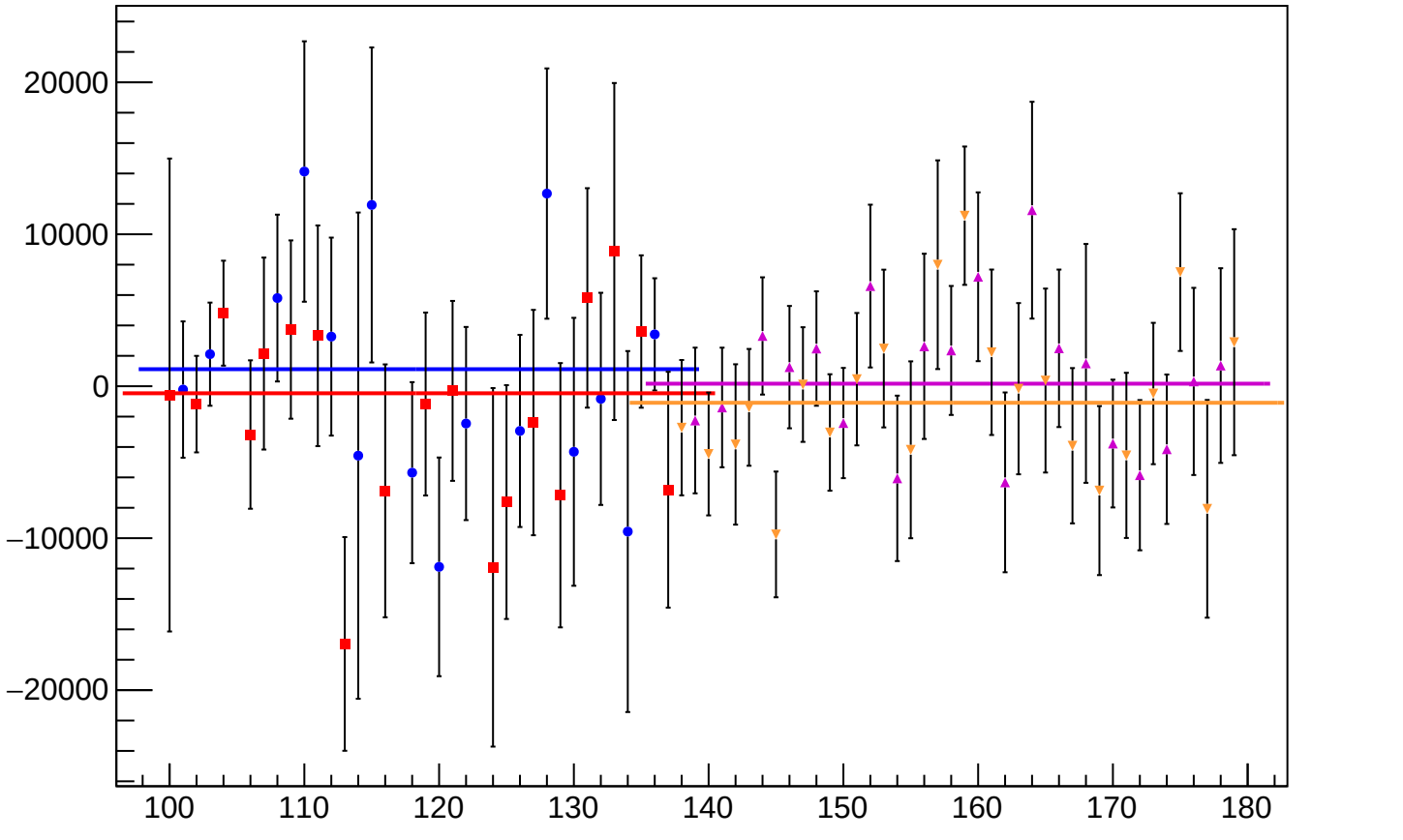
Right Out: 1894.765+/-0.501 χ^2/NDF: 219781.5/18

Left In: 1854.762+/-0.324 χ^2/NDF:15480.6/19

+ sign 1873.085+/-0.268 χ^2/NDF: 726943.5/37

All: 1869.887+/-0.191 χ^2/NDF: 966989.2/76

- sign 1866.593+/-0.272 χ^2/NDF: 239757.3/38



Right In: 1120.159+/-1497.669 χ^2/NDF: 13.5/15

Left Out: -1089.426+/-1043.292 χ^2/NDF:22.0/21

Right Out: -464.367+/-1370.817 χ^2/NDF: 15.0/18

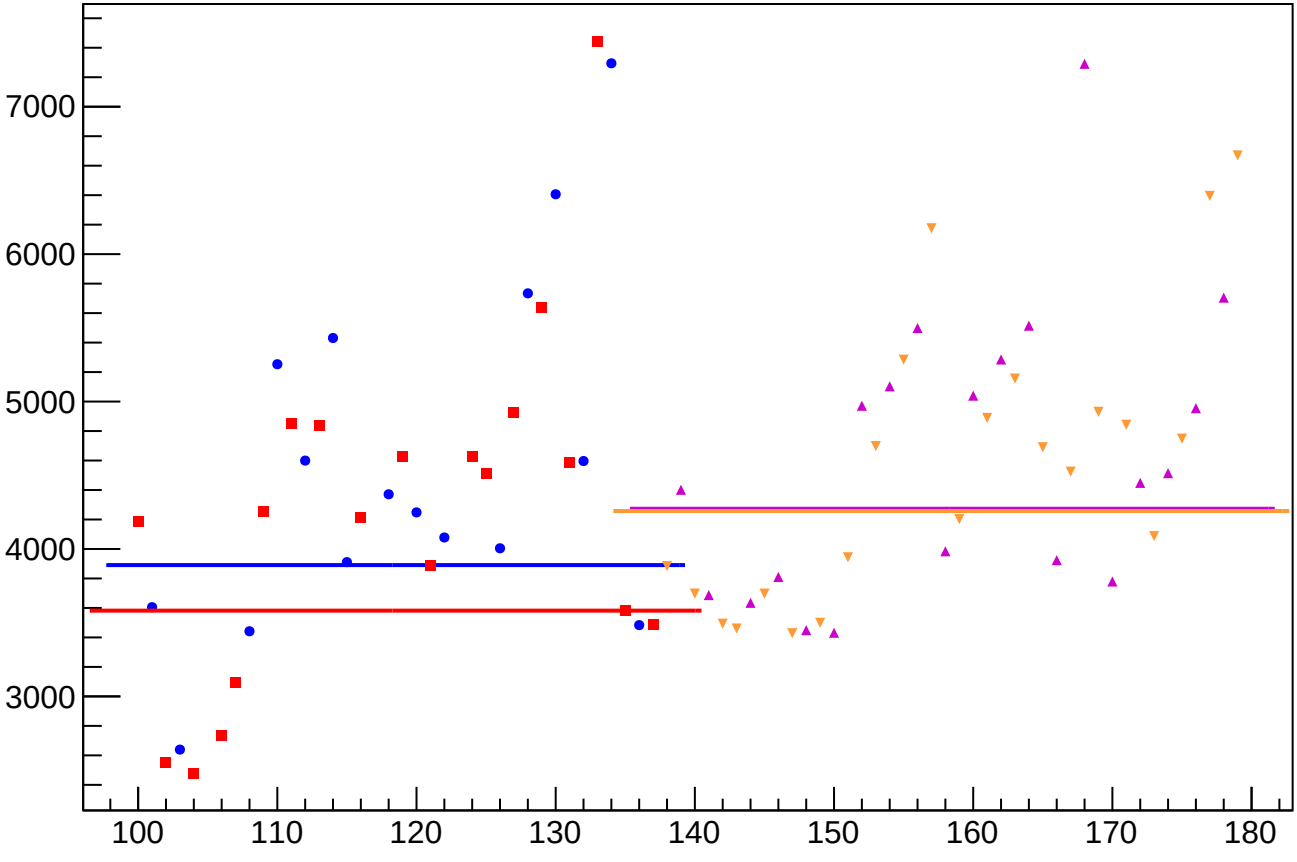
Left In: 166.506+/-1079.521 χ^2/NDF:14.0/19

+ sign -367.511+/-856.059 χ^2/NDF: 37.0/37

All: -219.880+/-602.495 χ^2/NDF: 66.2/76

- sign -74.978+/-848.110 χ^2/NDF: 29.1/38

asym_atr_dd_eigen_dit_correction_rms vs Slug



Right In: 3890.705+/-1.059 χ^2/NDF: 878409.2/15

Left Out: 4257.293+/-0.738 χ^2/NDF:1190130.3/21

Right Out: 3581.777+/-0.969 χ^2/NDF: 1221846.6/18

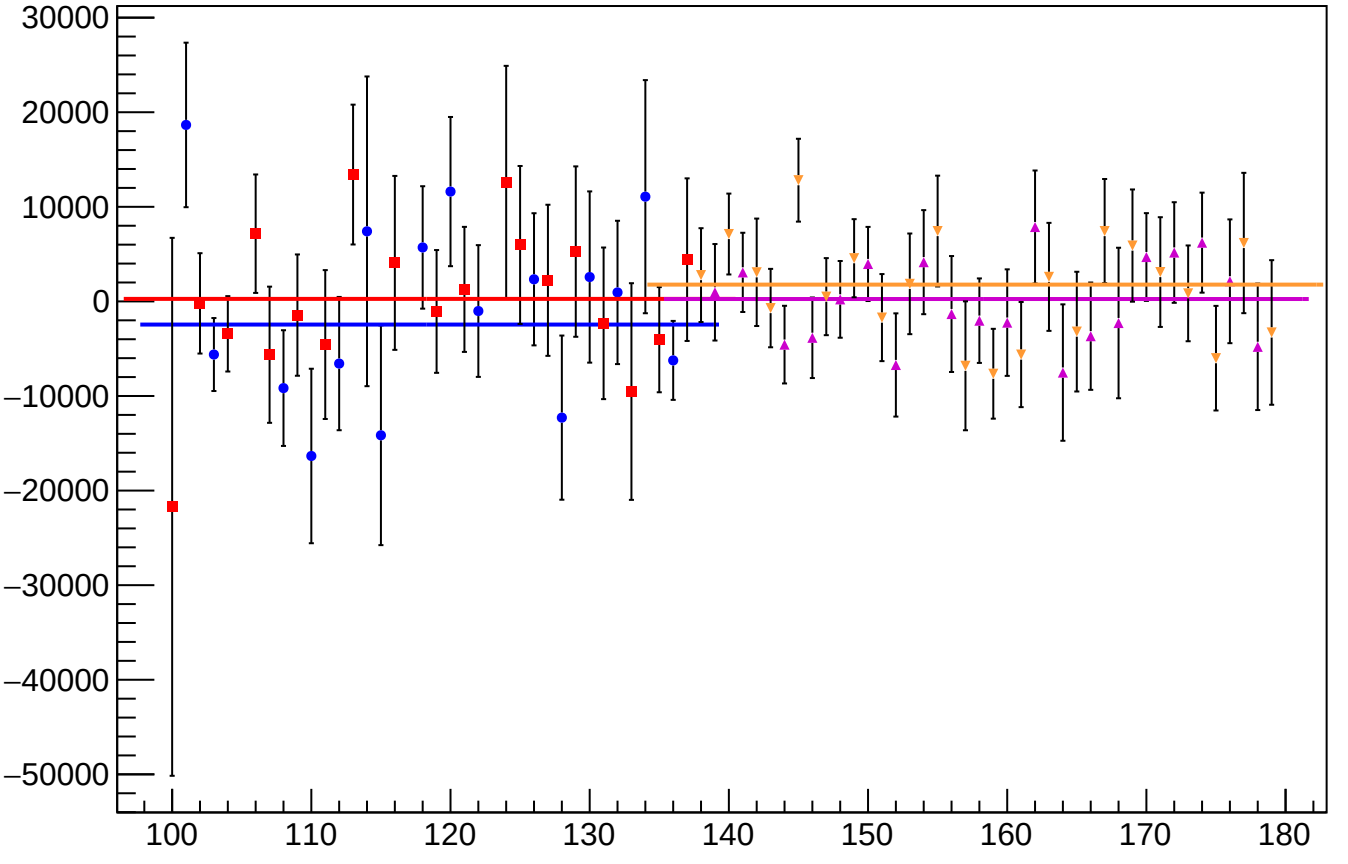
Left In: 4272.904+/-0.763 χ^2/NDF:1121400.9/19

+ sign 4137.522+/-0.605 χ^2/NDF: 2149216.5/37

All: 4072.337+/-0.426 χ^2/NDF: 4829224.6/76

- sign 4008.357+/-0.600 χ^2/NDF: 2657029.9/38

asym_atr_dd_mean vs Slug



Right In: -2448.262+/-1719.694 χ^2/NDF: 20.9/15

Left Out: 1775.733+/-1104.762 χ^2/NDF:22.8/21

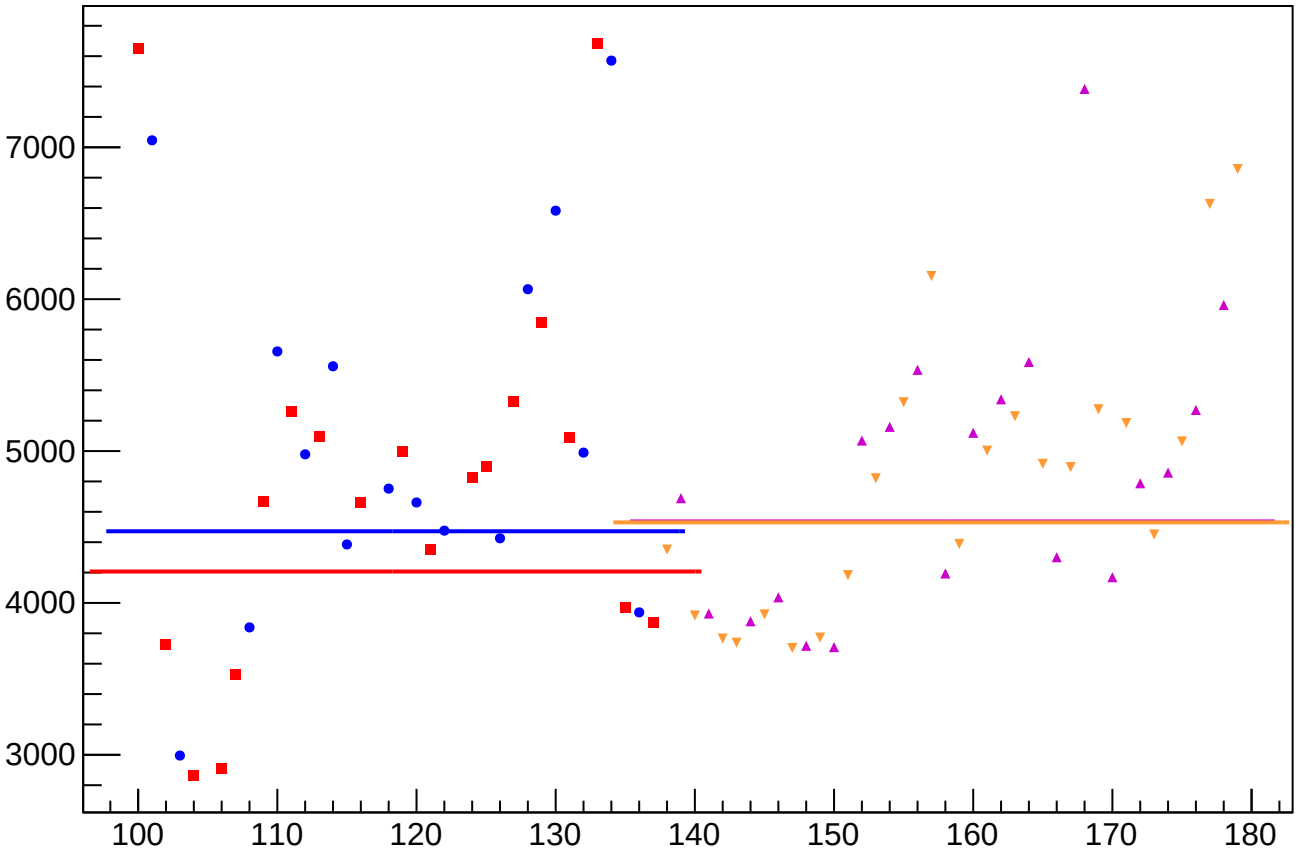
Right Out: 265.886+/-1622.574 χ^2/NDF: 10.7/18

Left In: 252.891+/-1140.969 χ^2/NDF:13.4/19

\+ sign 541.753+/-929.487 χ^2/NDF: 47.9/37

All: 400.057+/-658.598 χ^2/NDF: 72.0/76

\- sign 257.191+/-933.320 χ^2/NDF: 24.1/38



Right In: 4471.904+/-1.216 χ^2/NDF: 891678.4/15

Left Out: 4530.540+/-0.781 χ^2/NDF:991882.2/21

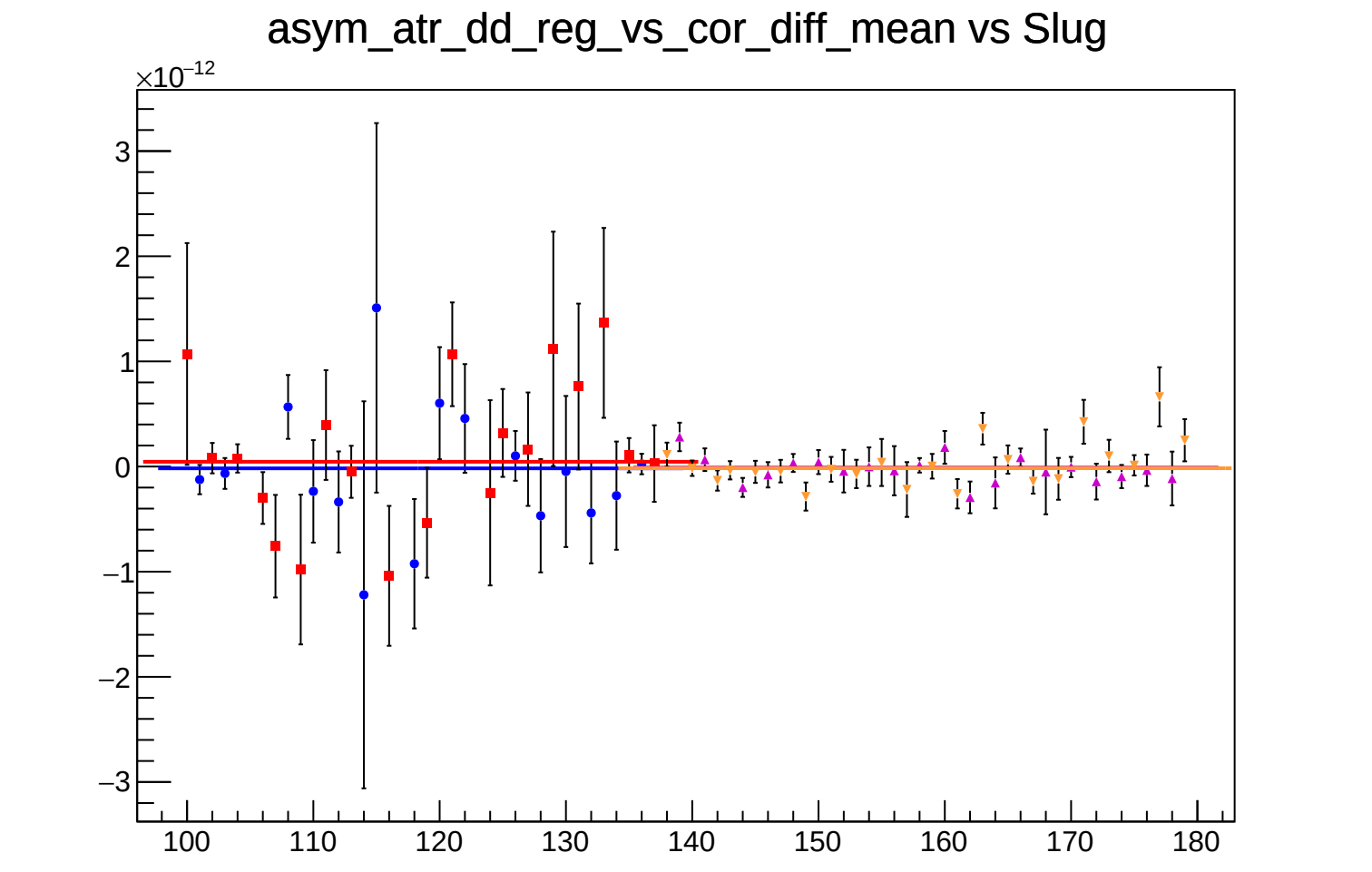
Right Out: 4206.907+/-1.138 χ^2/NDF: 846525.2/18

Left In: 4536.781+/-0.807 χ^2/NDF:902839.6/19

+ sign 4513.410+/-0.657 χ^2/NDF: 1885206.5/37

All: 4469.984+/-0.465 χ^2/NDF: 3699236.2/76

- sign 4426.437+/-0.658 χ^2/NDF: 1805286.2/38



Right In: -0.000+/-0.000 χ^2/NDF: 12.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:31.7/21

Right Out: 0.000+/-0.000 χ^2/NDF: 21.2/18

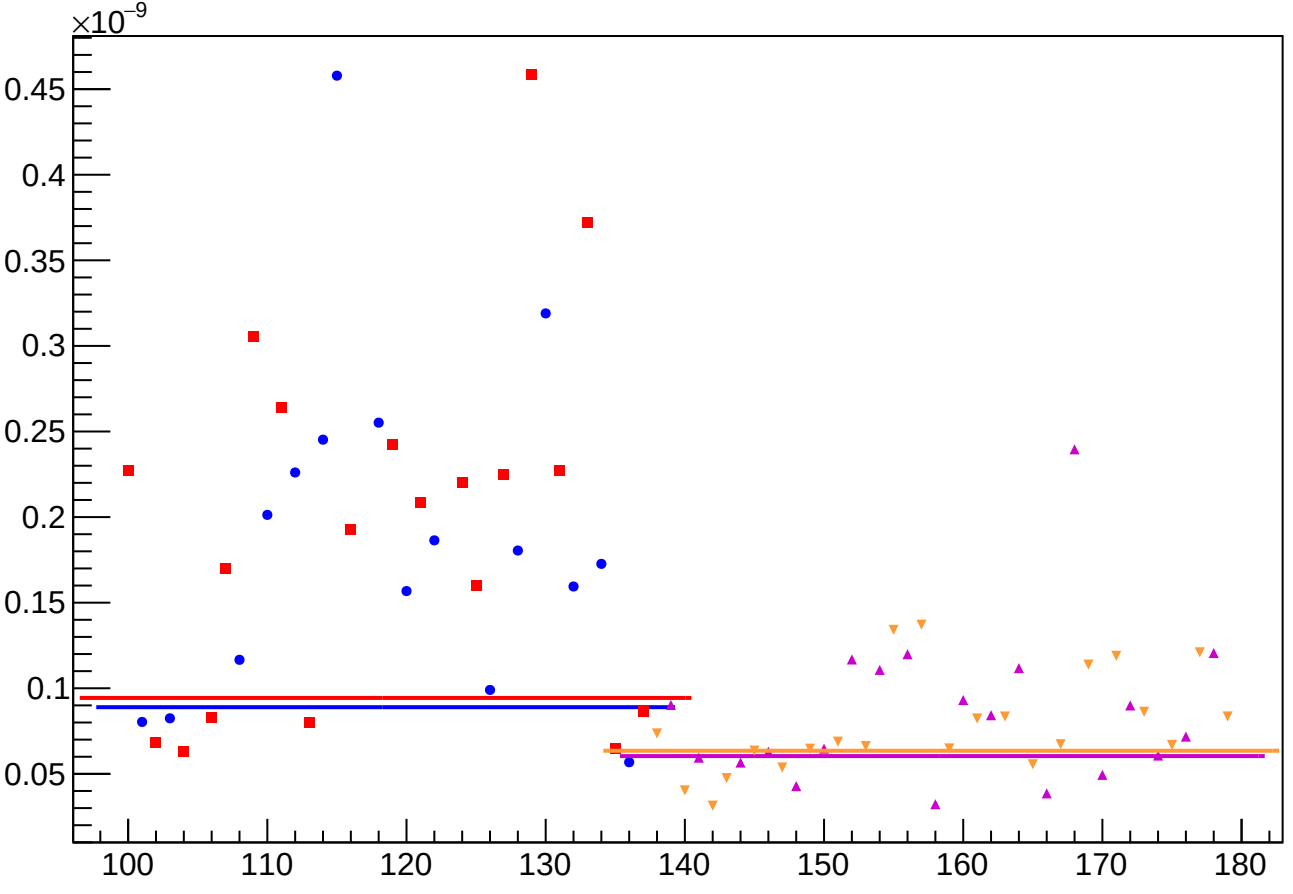
Left In: -0.000+/-0.000 χ^2/NDF:18.5/19

+ sign -0.000+/-0.000 χ^2/NDF: 44.4/37

All: -0.000+/-0.000 χ^2/NDF: 84.8/76

- sign -0.000+/-0.000 χ^2/NDF: 40.3/38

asym_atr_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1230222.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1385961.5/21

Right Out: 0.000+/-0.000 χ^2/NDF: 1695078.0/18

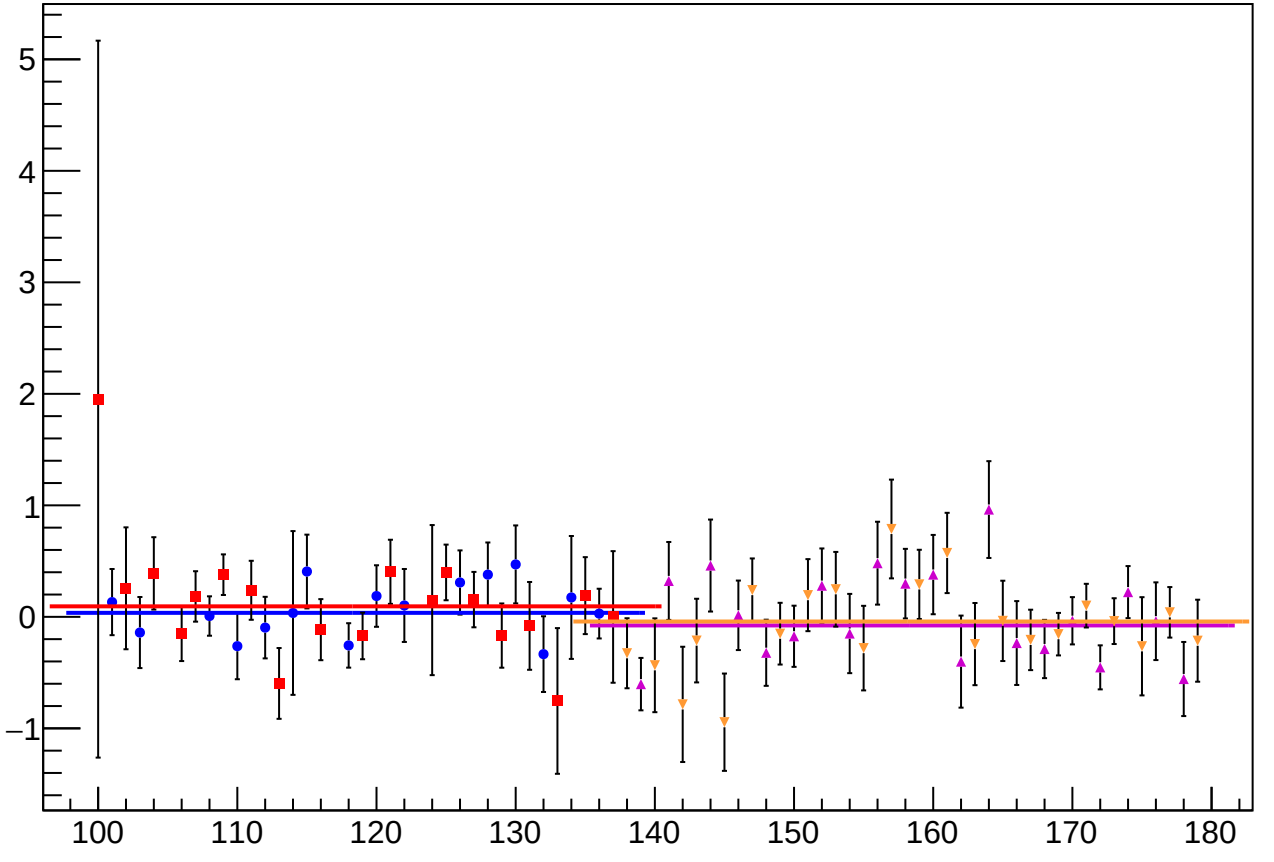
Left In: 0.000+/-0.000 χ^2/NDF:1917248.5/19

+ sign 0.000+/-0.000 χ^2/NDF: 2905204.7/37

All: 0.000+/-0.000 χ^2/NDF: 6956847.8/76

- sign 0.000+/-0.000 χ^2/NDF: 4041921.1/38

asym_atr_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.042+/-0.064 χ^2/NDF:20.8/21

Right Out: 0.094+/-0.068 χ^2/NDF: 17.6/18

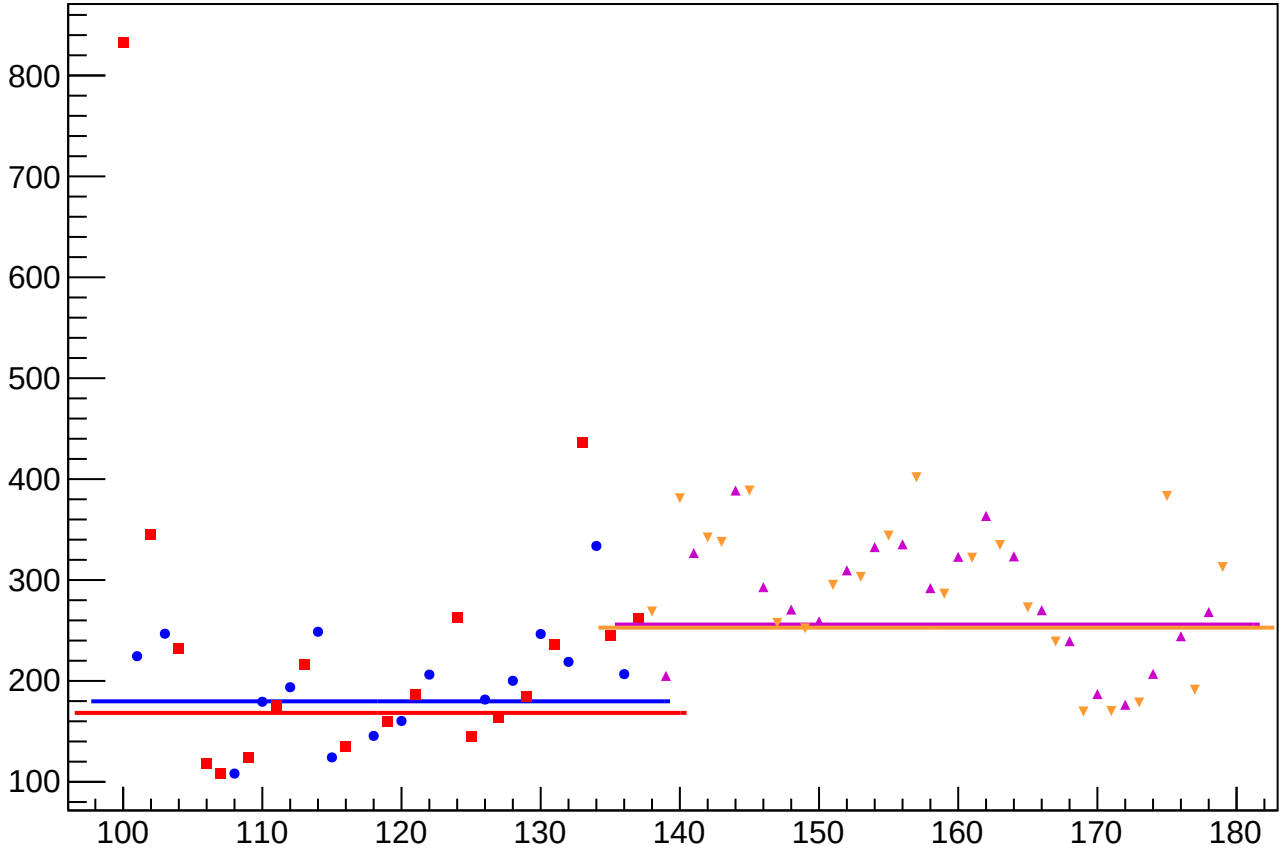
Left In: -0.077+/-0.067 χ^2/NDF:30.0/19

+ sign -0.007+/-0.047 χ^2/NDF: 32.0/37

All: 0.000+/-0.034 χ^2/NDF: 82.9/76

- sign 0.007+/-0.047 χ^2/NDF: 50.9/38

asym_atr_dd_dit_vs_cor_diff_rms vs Slug



Right In: 179.796+/-0.050 χ^2/NDF: 918536.0/15

Left Out: 252.811+/-0.045 χ^2/NDF:2550884.6/21

Right Out: 168.334+/-0.048 χ^2/NDF: 1409290.2/18

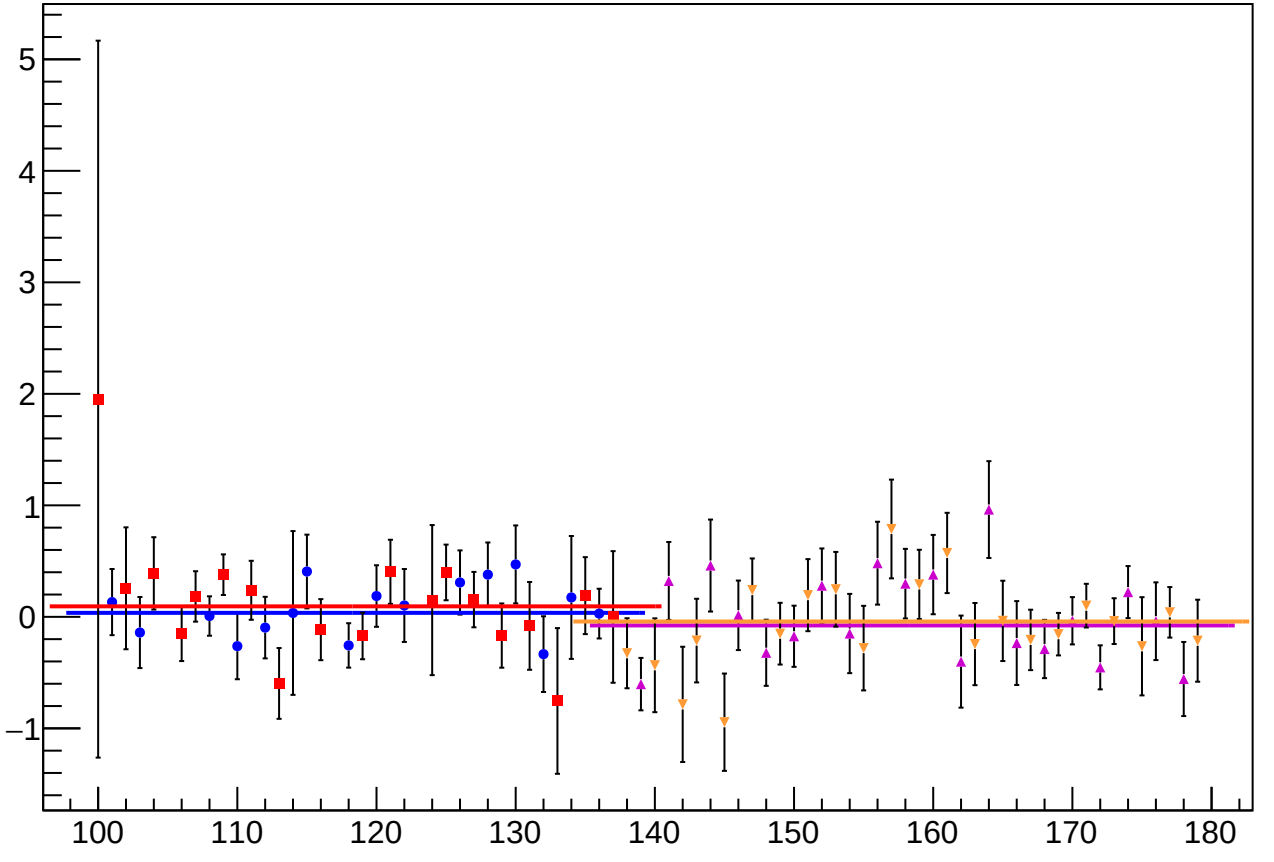
Left In: 255.892+/-0.047 χ^2/NDF:1574572.1/19

+ sign 219.860+/-0.034 χ^2/NDF: 4643901.8/37

All: 216.344+/-0.024 χ^2/NDF: 9353013.4/76

- sign 212.826+/-0.034 χ^2/NDF: 4687111.2/38

asym_atr_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.042+/-0.064 χ^2/NDF:20.8/21

Right Out: 0.094+/-0.068 χ^2/NDF: 17.6/18

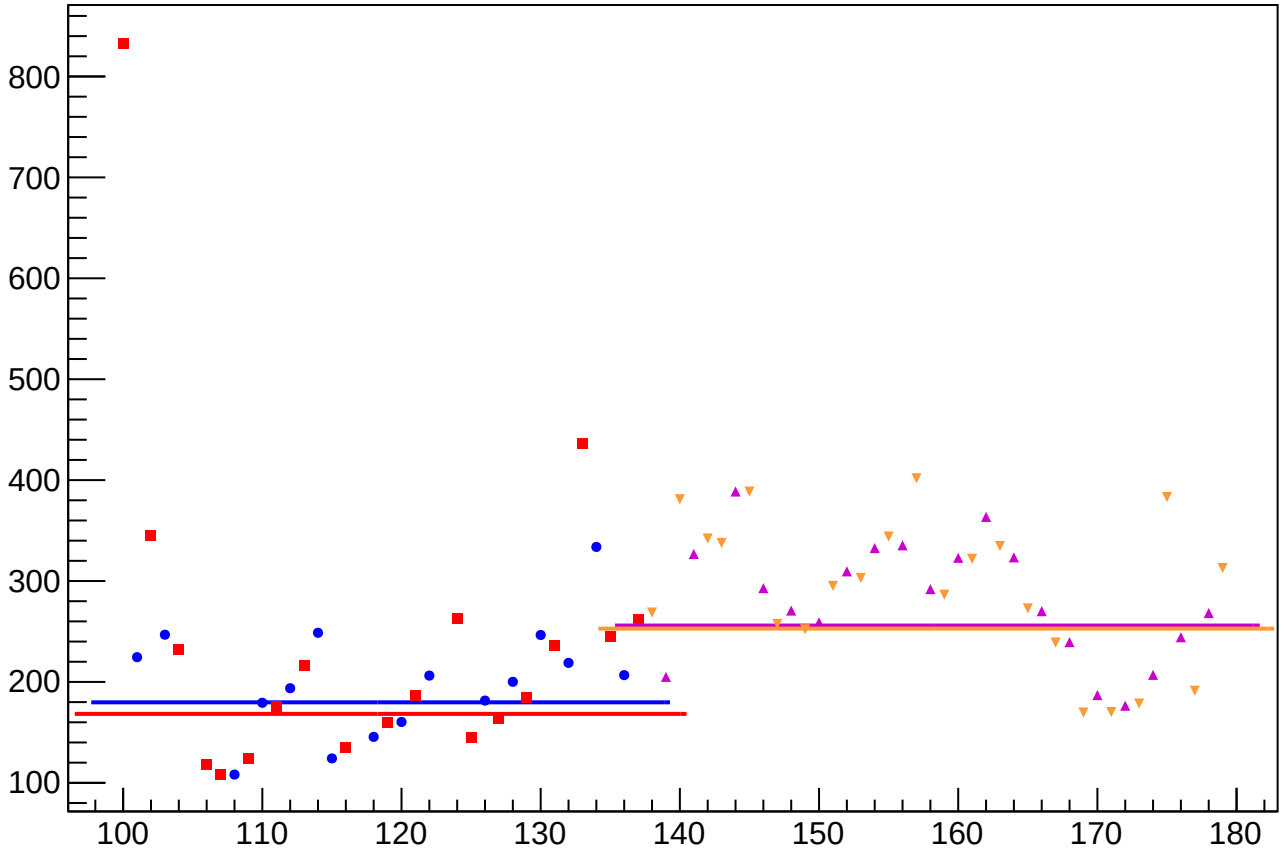
Left In: -0.077+/-0.067 χ^2/NDF:30.0/19

+ sign -0.007+/-0.047 χ^2/NDF: 32.0/37

All: 0.000+/-0.034 χ^2/NDF: 82.9/76

- sign 0.007+/-0.047 χ^2/NDF: 50.9/38

asym_atr_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 179.796+/-0.050 χ^2/NDF: 918536.0/15

Left Out: 252.811+/-0.045 χ^2/NDF:2550884.6/21

Right Out: 168.334+/-0.048 χ^2/NDF: 1409290.2/18

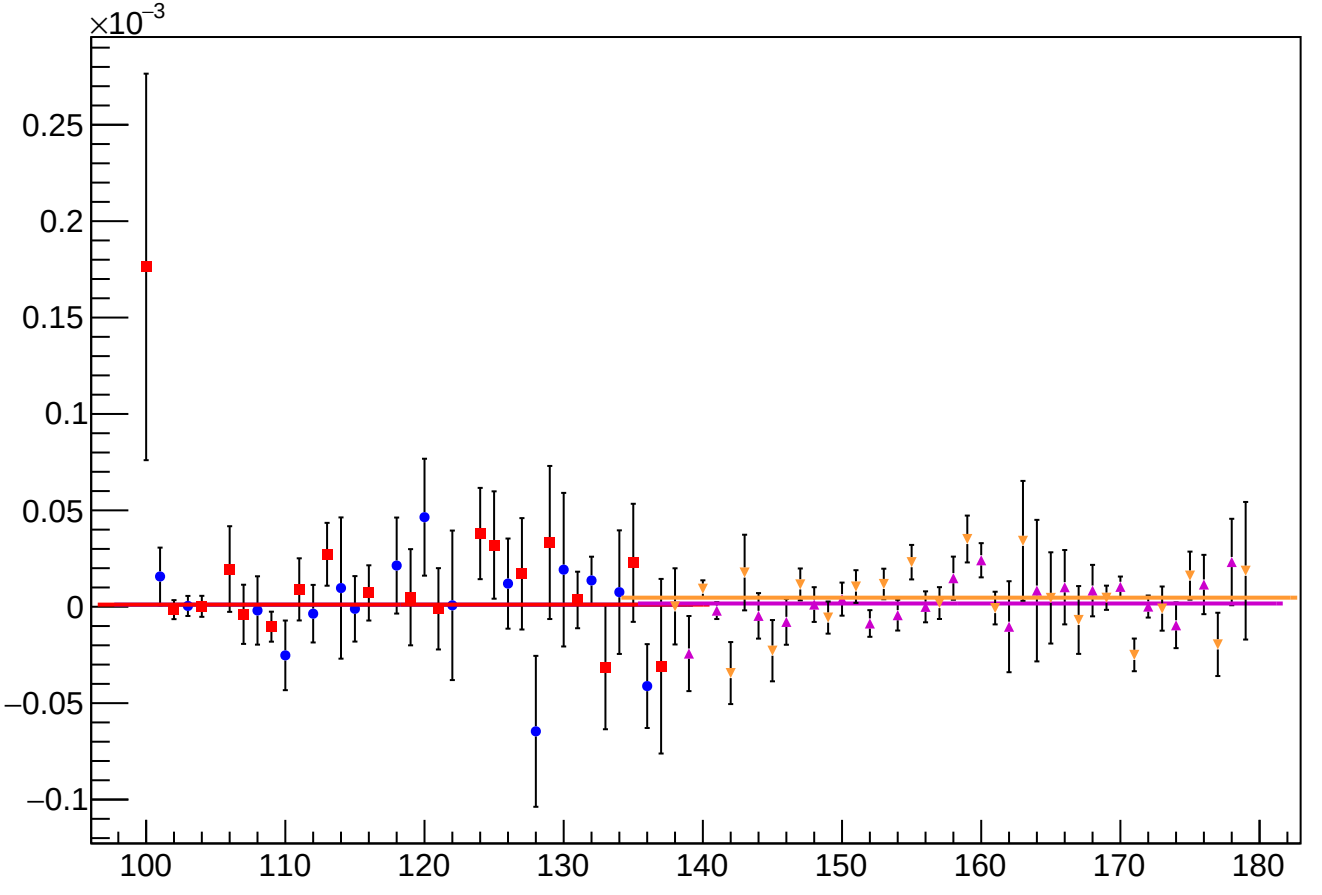
Left In: 255.892+/-0.047 χ^2/NDF:1574572.1/19

+ sign 219.860+/-0.034 χ^2/NDF: 4643901.8/37

All: 216.344+/-0.024 χ^2/NDF: 9353013.4/76

- sign 212.826+/-0.034 χ^2/NDF: 4687111.2/38

asym_atr_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:42.1/21

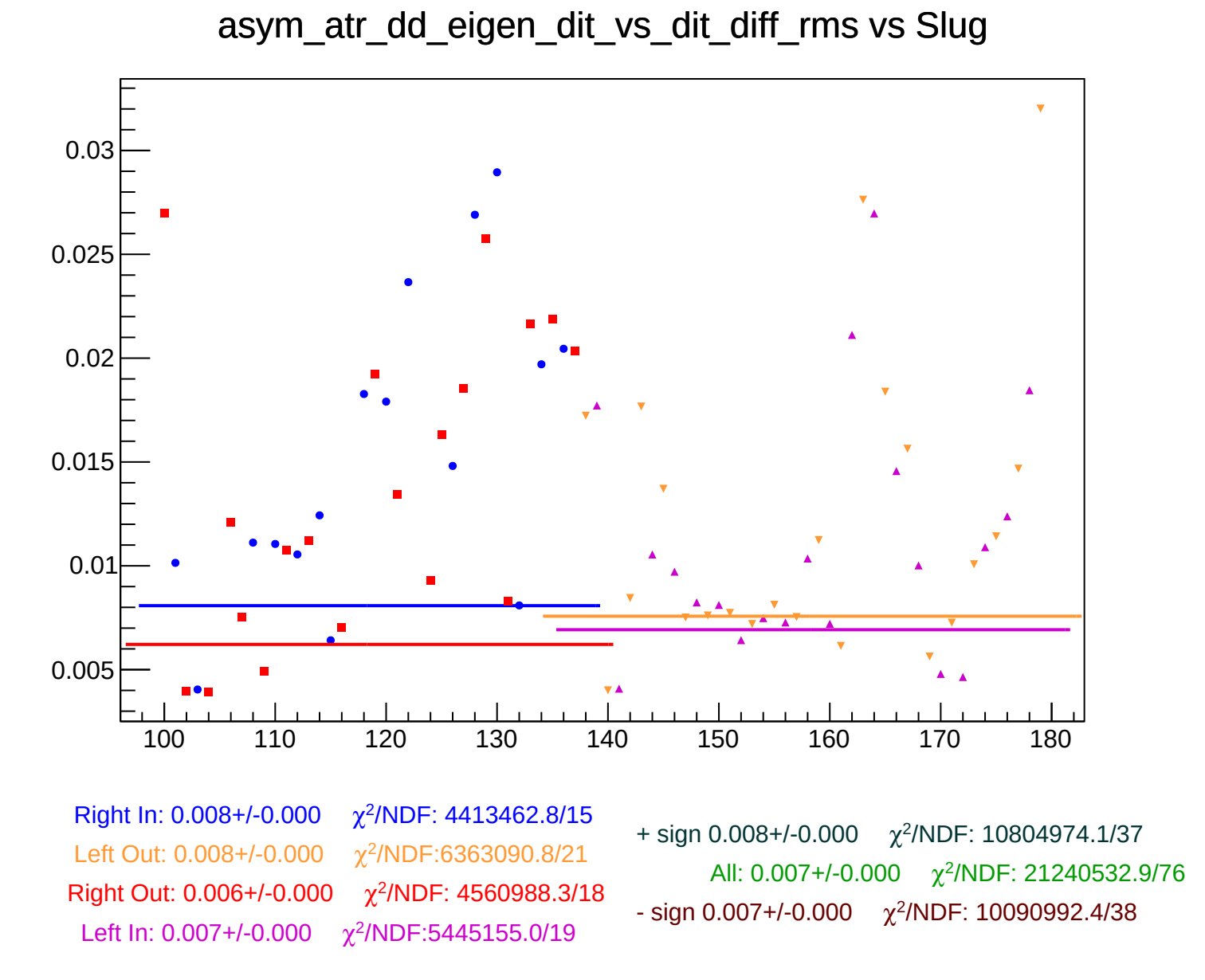
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: 0.000+/-0.000 χ^2/NDF:19.8/19

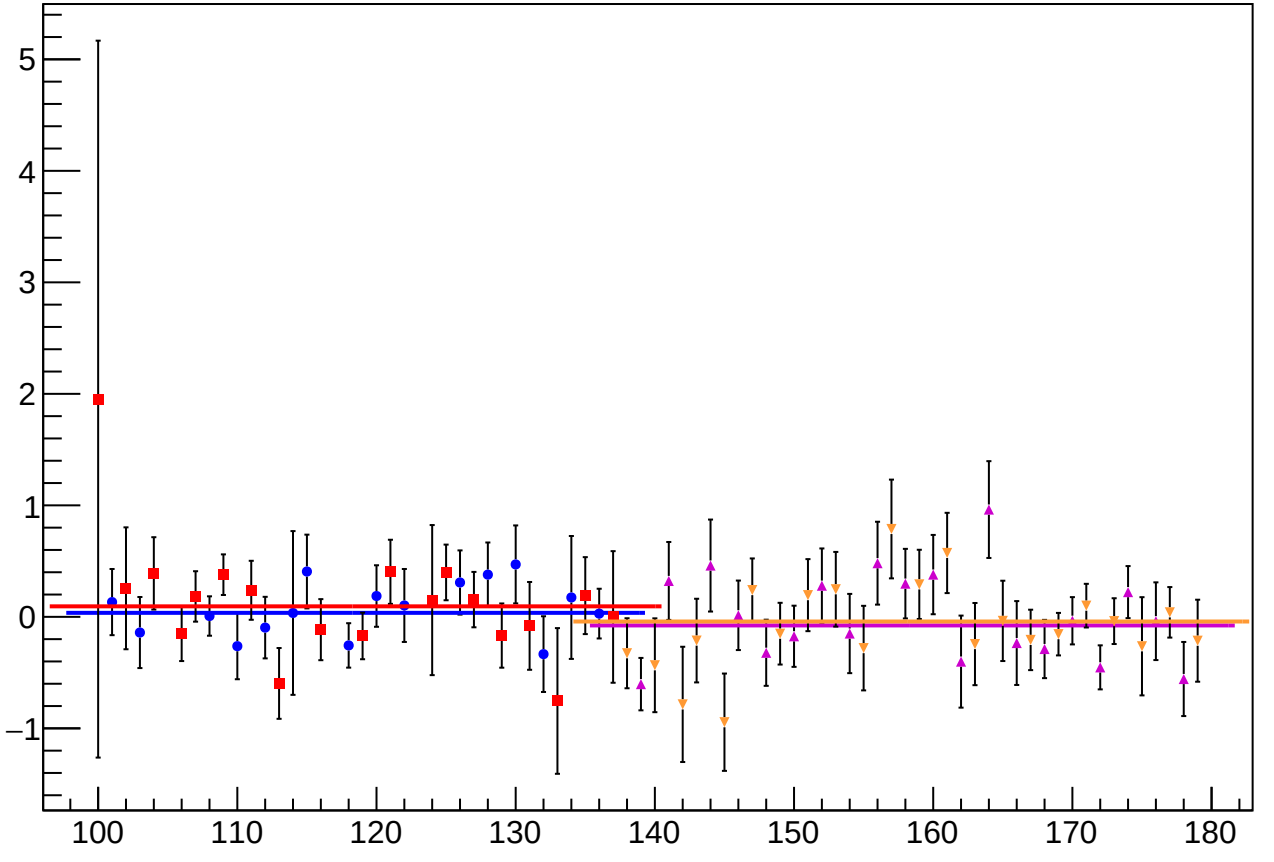
+ sign 0.000+/-0.000 χ^2/NDF: 57.1/37

All: 0.000+/-0.000 χ^2/NDF: 93.9/76

- sign 0.000+/-0.000 χ^2/NDF: 35.8/38


asym_atr_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.03
0.025
0.02
0.015
0.01
0.005
100
110
120
130
140
150
160
170
180
Right In: 0.008+/-0.000 χ²/NDF: 4413462.8/15
Left Out: 0.008+/-0.000 χ²/NDF:6363090.8/21
Right Out: 0.006+/-0.000 χ²/NDF: 4560988.3/18
Left In: 0.007+/-0.000 χ²/NDF:5445155.0/19
+ sign 0.008+/-0.000 χ²/NDF: 10804974.1/37
All: 0.007+/-0.000 χ²/NDF: 21240532.9/76
- sign 0.007+/-0.000 χ²/NDF: 10090992.4/38

asym_atr_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.042+/-0.064 χ^2/NDF:20.8/21

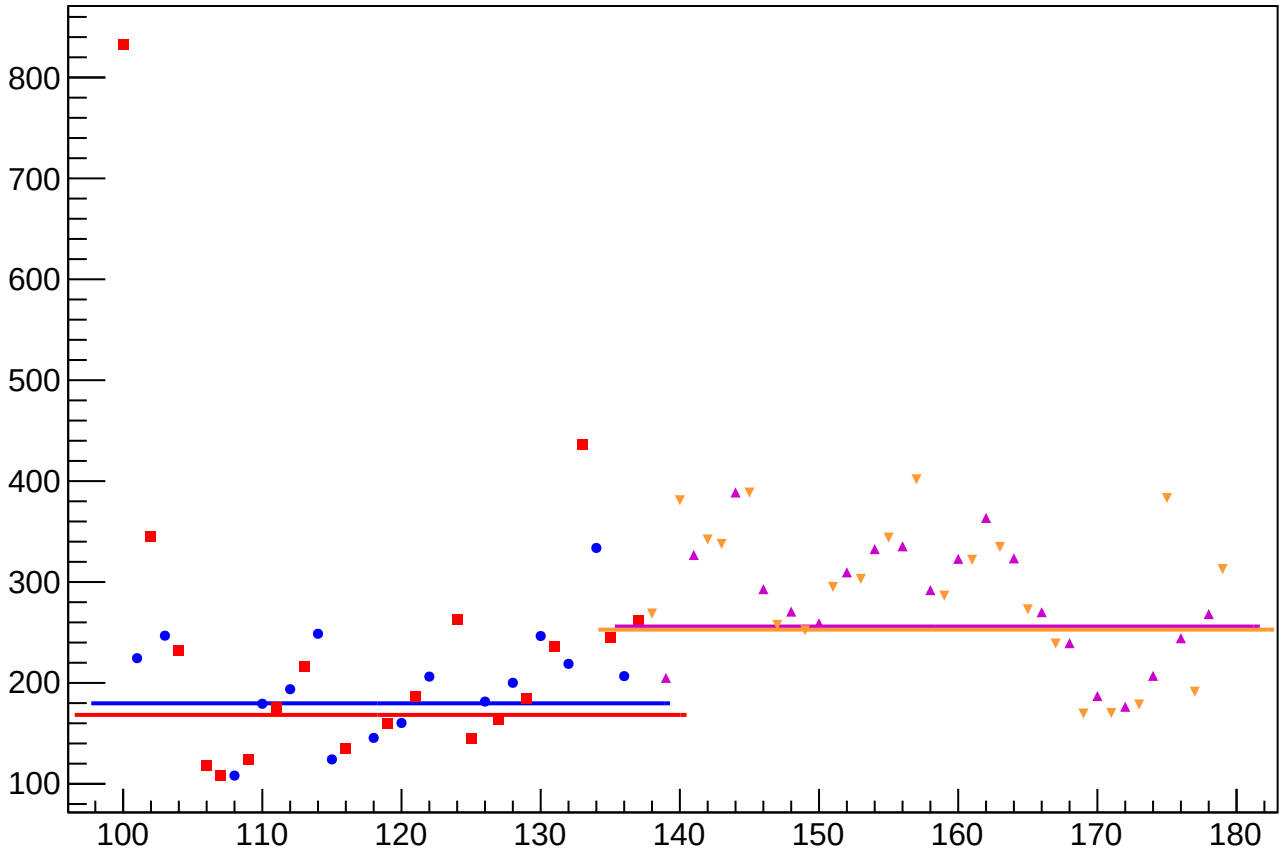
Right Out: 0.094+/-0.068 χ^2/NDF: 17.6/18

Left In: -0.077+/-0.067 χ^2/NDF:30.0/19

\+ sign -0.007+/-0.047 χ^2/NDF: 32.0/37

All: 0.000+/-0.034 χ^2/NDF: 82.9/76

\- sign 0.007+/-0.047 χ^2/NDF: 50.9/38



Right In: 179.793+/-0.050 χ^2/NDF: 918583.7/15

Left Out: 252.813+/-0.045 χ^2/NDF:2551004.9/21

Right Out: 168.334+/-0.048 χ^2/NDF: 1409289.2/18

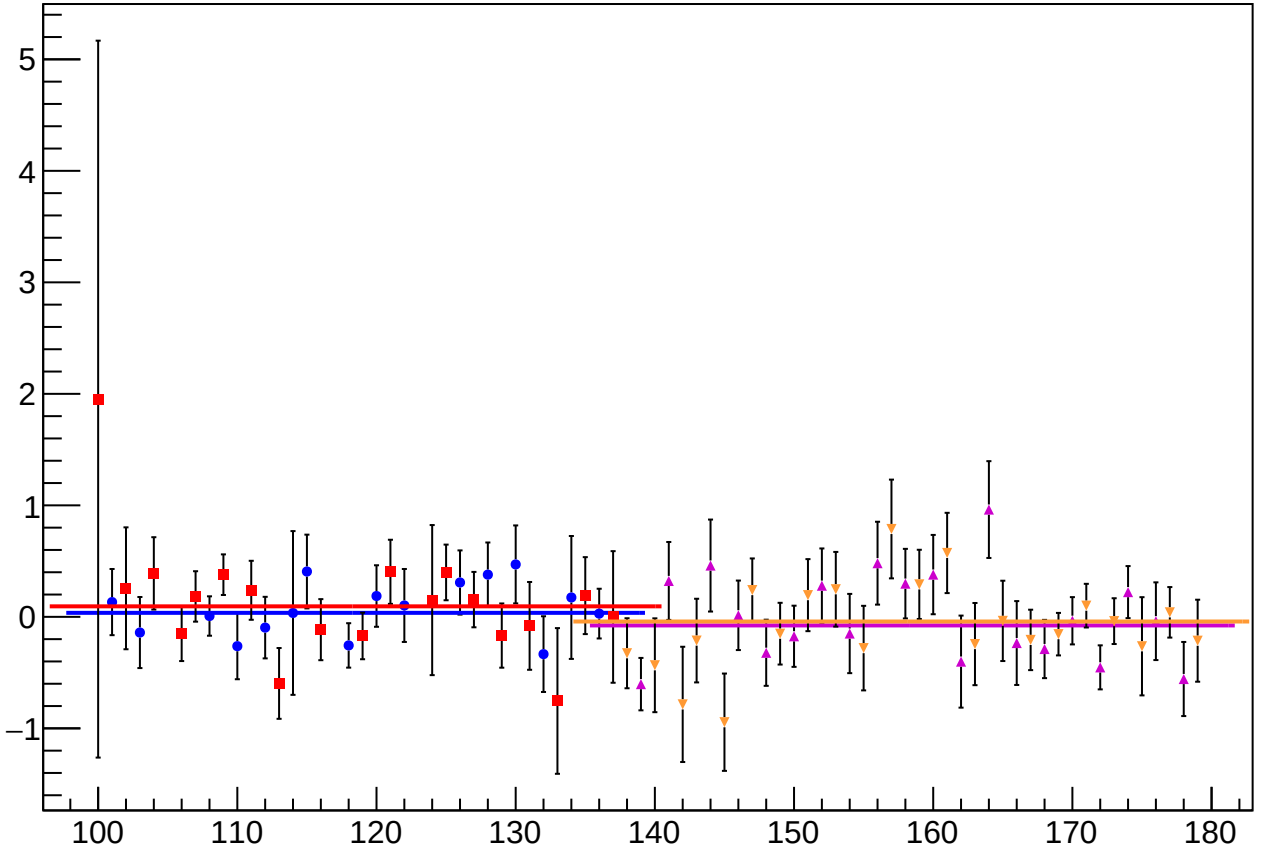
Left In: 255.895+/-0.047 χ^2/NDF:1574624.8/19

+ sign 219.859+/-0.034 χ^2/NDF: 4644212.3/37

All: 216.344+/-0.024 χ^2/NDF: 9353447.2/76

- sign 212.827+/-0.034 χ^2/NDF: 4687244.8/38

asym_atr_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.042+/-0.064 χ^2/NDF:20.8/21

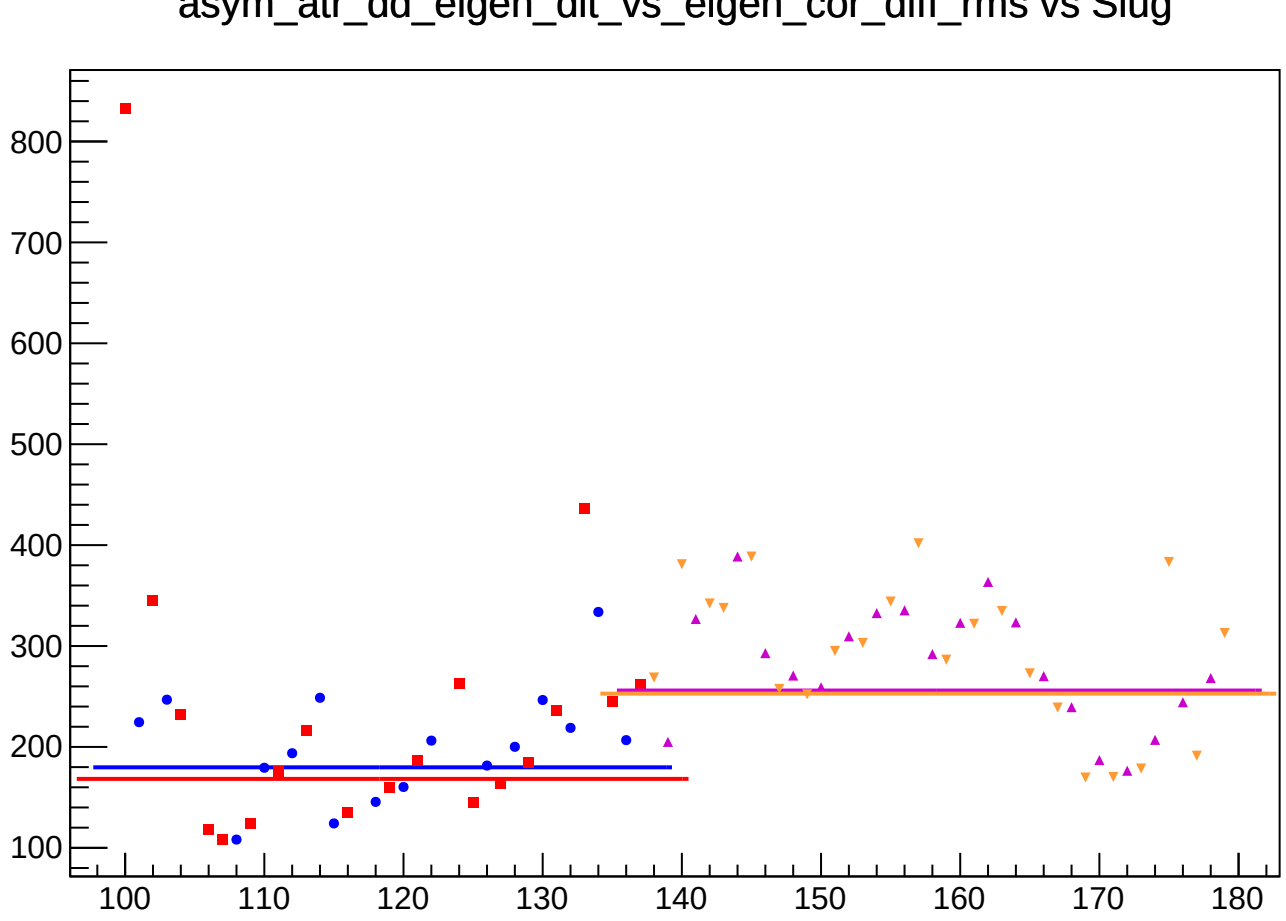
Right Out: 0.094+/-0.068 χ^2/NDF: 17.6/18

Left In: -0.077+/-0.067 χ^2/NDF:30.0/19

\+ sign -0.007+/-0.047 χ^2/NDF: 32.0/37

All: 0.000+/-0.034 χ^2/NDF: 82.9/76

\- sign 0.007+/-0.047 χ^2/NDF: 50.9/38



Right In: 179.793+/-0.050 χ^2/NDF: 918583.7/15

Left Out: 252.813+/-0.045 χ^2/NDF:2551004.9/21

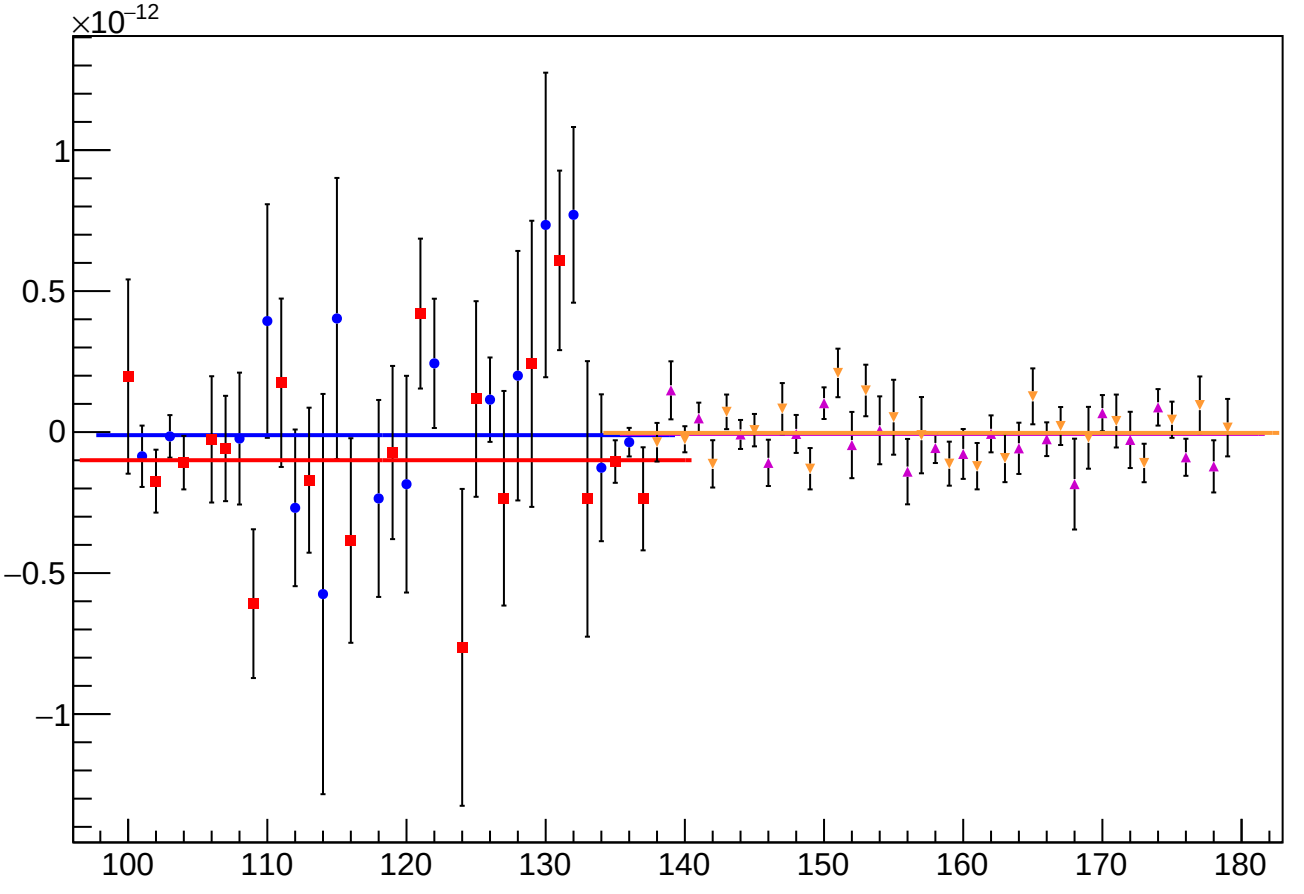
Right Out: 168.334+/-0.048 χ^2/NDF: 1409289.2/18

Left In: 255.895+/-0.047 χ^2/NDF:1574624.8/19

+ sign 219.859+/-0.034 χ^2/NDF: 4644212.3/37

All: 216.344+/-0.024 χ^2/NDF: 9353447.2/76

- sign 212.827+/-0.034 χ^2/NDF: 4687244.8/38



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

Left Out: -0.000+/-0.000 χ^2/NDF:27.7/21

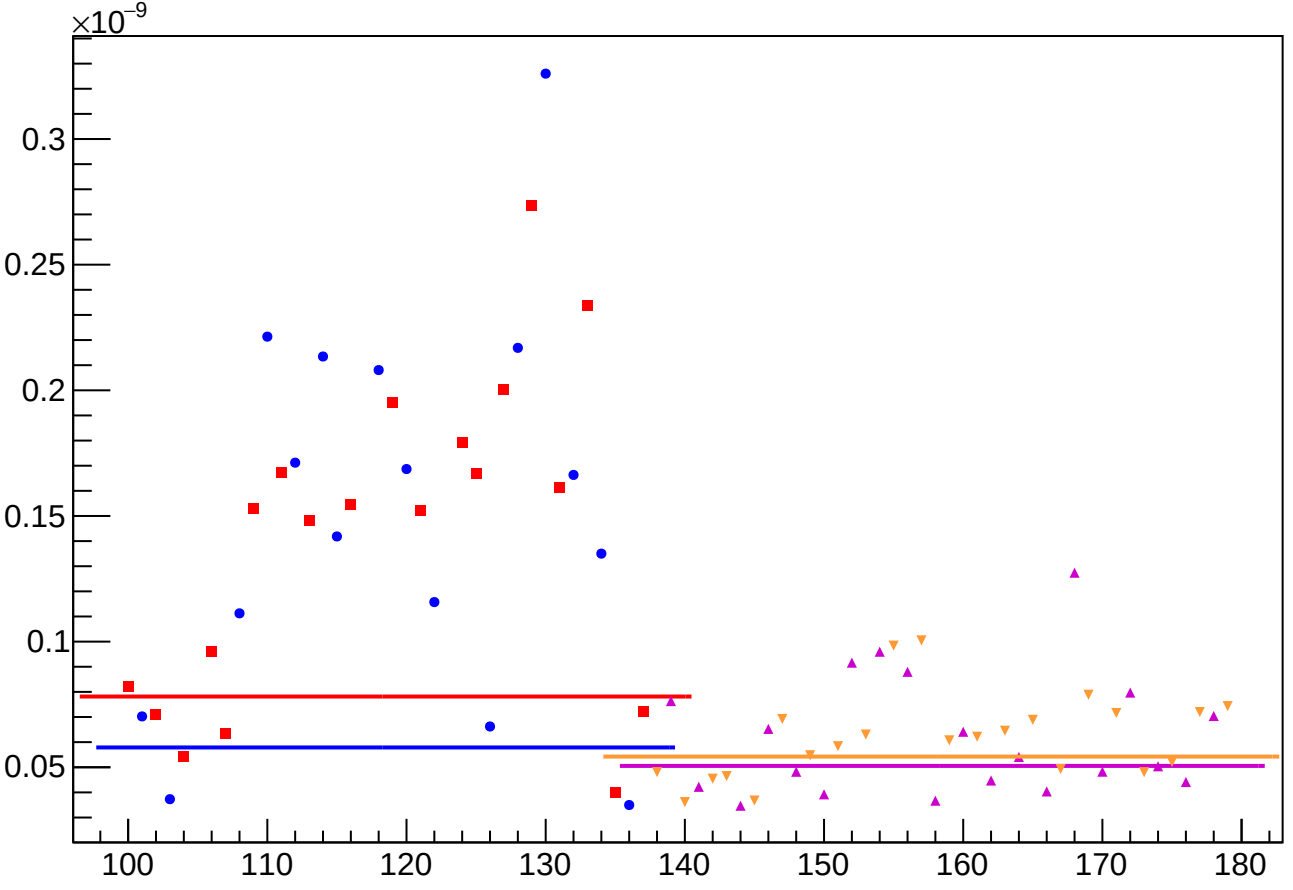
Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: -0.000+/-0.000 χ^2/NDF:19.8/19

+ sign -0.000+/-0.000 χ^2/NDF: 42.8/37

All: -0.000+/-0.000 χ^2/NDF: 85.7/76

- sign -0.000+/-0.000 χ^2/NDF: 42.5/38



Right In: 0.000+/-0.000 χ^2/NDF: 3322992.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1536267.1/21

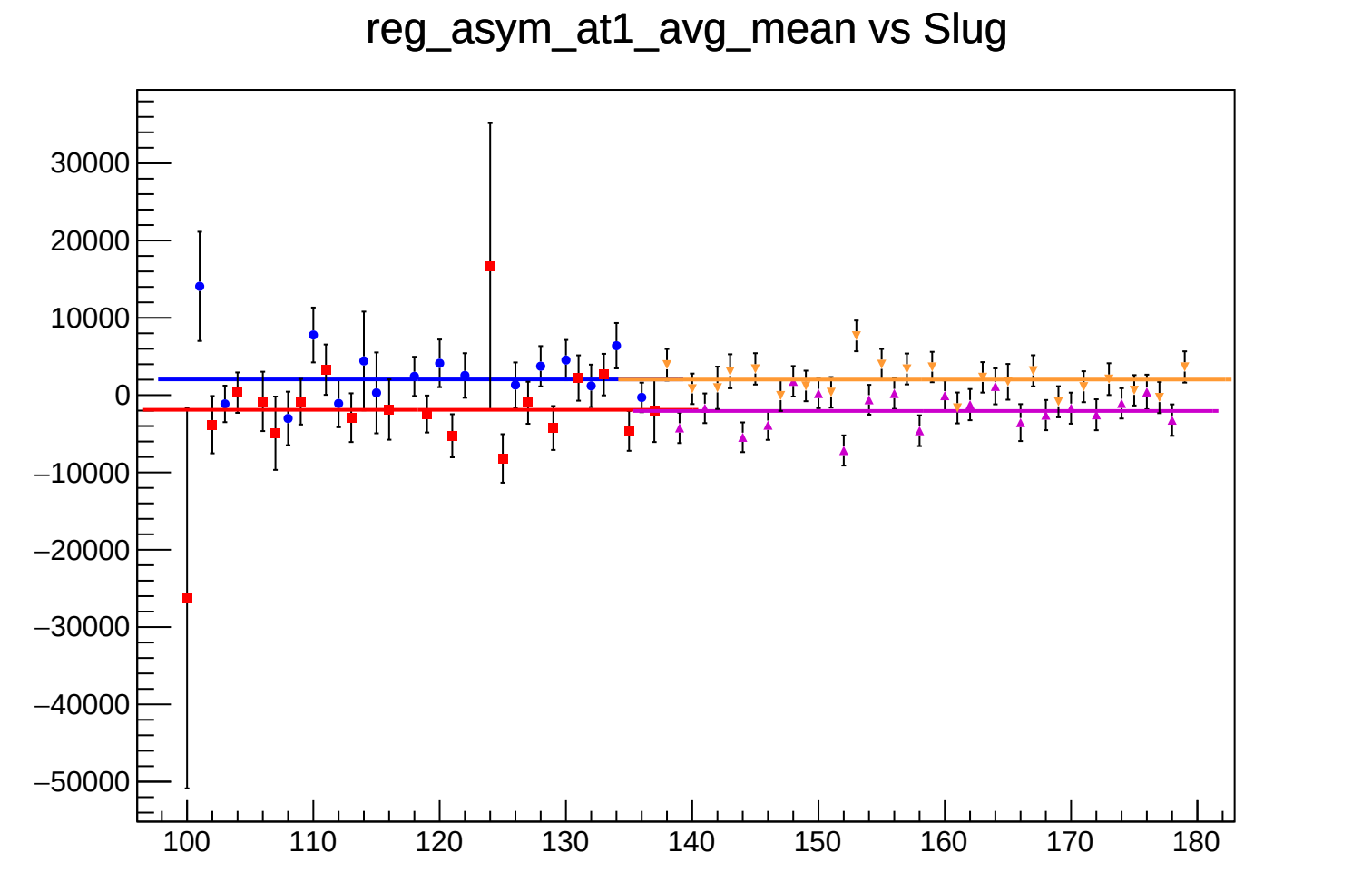
Right Out: 0.000+/-0.000 χ^2/NDF: 2732134.4/18

Left In: 0.000+/-0.000 χ^2/NDF:2244888.6/19

+ sign 0.000+/-0.000 χ^2/NDF: 4876678.0/37

All: 0.000+/-0.000 χ^2/NDF: 10603882.8/76

- sign 0.000+/-0.000 χ^2/NDF: 5724523.1/38



Right In: 2039.211+/-736.211 χ^2/NDF: 16.4/15

Left Out: 2018.654+/-435.049 χ^2/NDF:22.7/21

Right Out: -1895.242+/-736.762 χ^2/NDF: 18.5/18

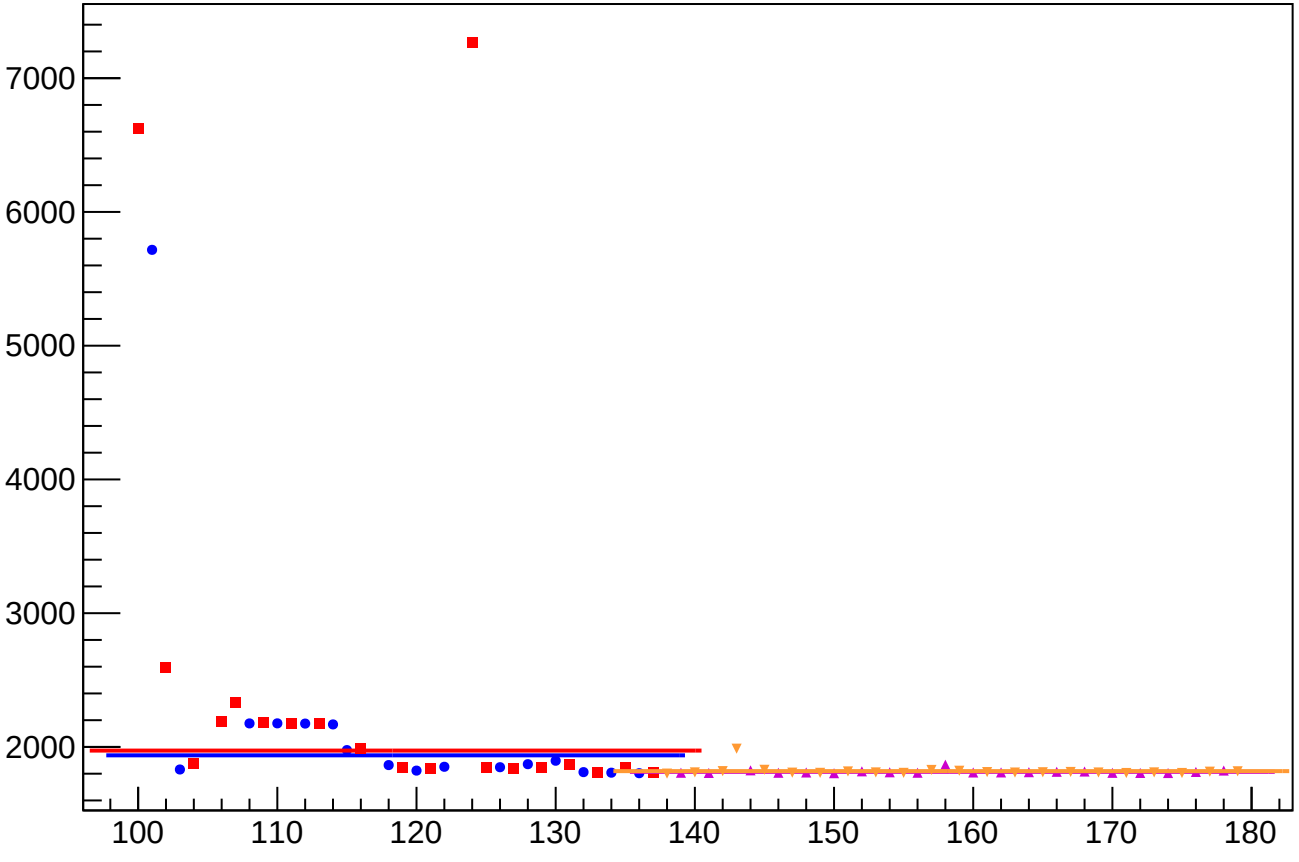
Left In: -2045.598+/-448.619 χ^2/NDF:26.3/19

+ sign 2023.975+/-374.542 χ^2/NDF: 39.2/37

All: 55.415+/-267.841 χ^2/NDF: 140.6/76

- sign -2004.929+/-383.174 χ^2/NDF: 44.8/38

reg_asym_at1_avg_rms vs Slug



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1819.126+/-0.308 χ^2/NDF:12655.5/21

Right Out: 1972.760+/-0.521 χ^2/NDF: 377537.1/18

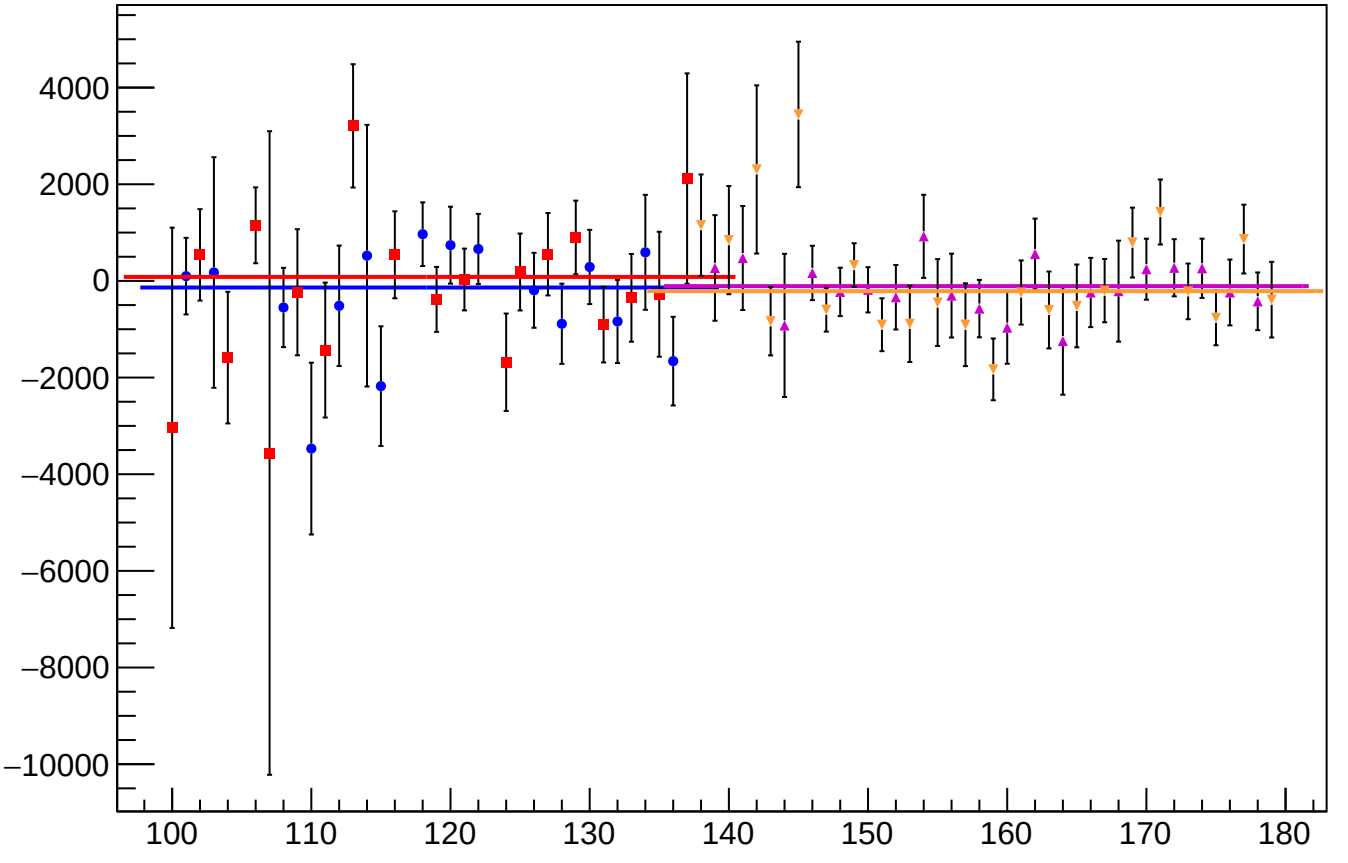
Left In: 1813.734+/-0.317 χ^2/NDF:1872.6/19

+ sign 1849.699+/-0.265 χ^2/NDF: 688910.0/37

All: 1853.143+/-0.189 χ^2/NDF: 1136641.2/76

- sign 1856.747+/-0.271 χ^2/NDF: 447385.2/38

asym_at1_avg_reg_correction_mean vs Slug



Right In: -136.643+/-230.431 χ^2/NDF: 16.9/15

Left Out: -211.599+/-148.061 χ^2/NDF:34.5/21

Right Out: 82.296+/-222.019 χ^2/NDF: 19.7/18

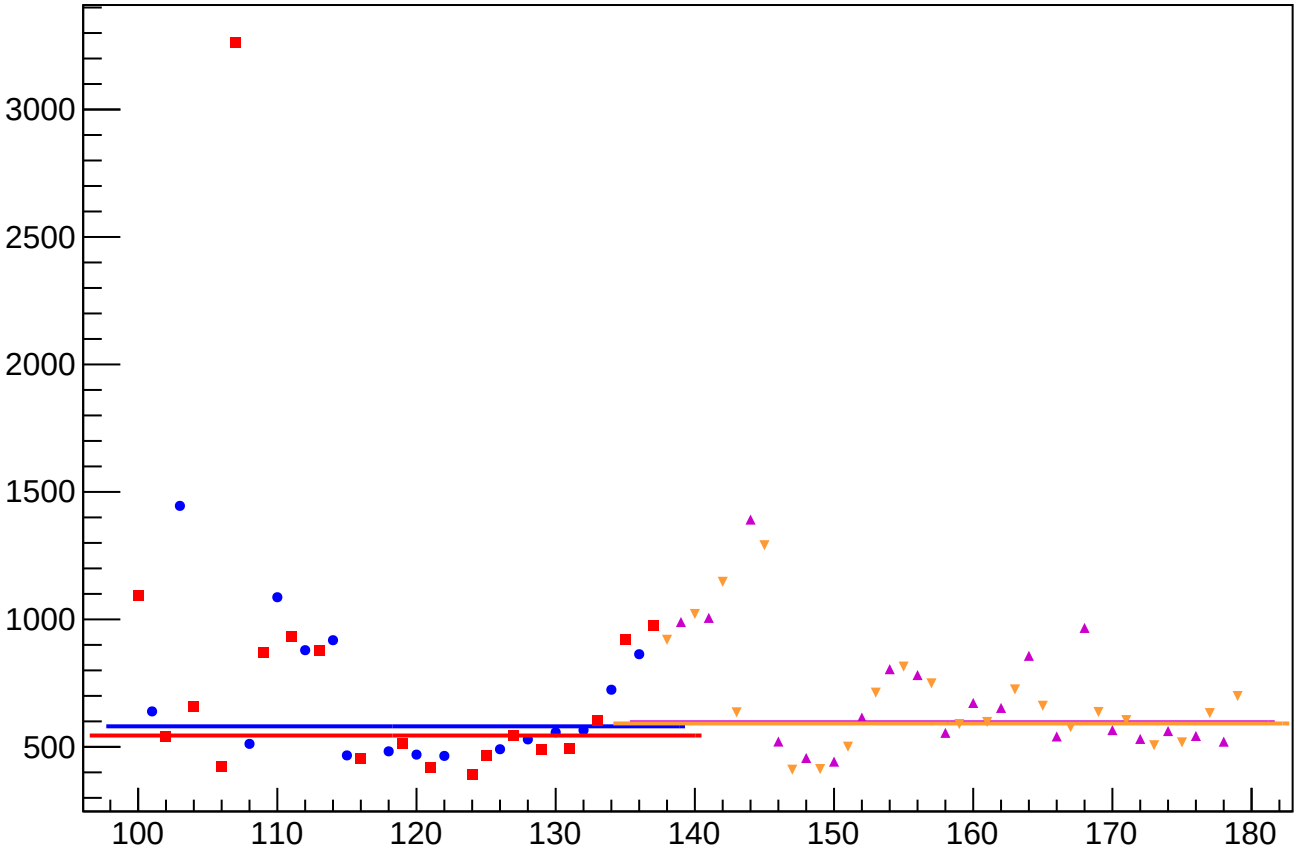
Left In: -107.935+/-154.363 χ^2/NDF:7.9/19

\+ sign -189.696+/-124.564 χ^2/NDF: 51.5/37

All: -119.064+/-88.839 χ^2/NDF: 80.2/76

\- sign -45.943+/-126.740 χ^2/NDF: 28.1/38

asym_at1_avg_reg_correction_rms vs Slug



Right In: 580.611+/-0.163 χ^2/NDF: 1003410.8/15

Left Out: 591.890+/-0.105 χ^2/NDF:2261771.7/21

Right Out: 544.530+/-0.157 χ^2/NDF: 1287643.0/18

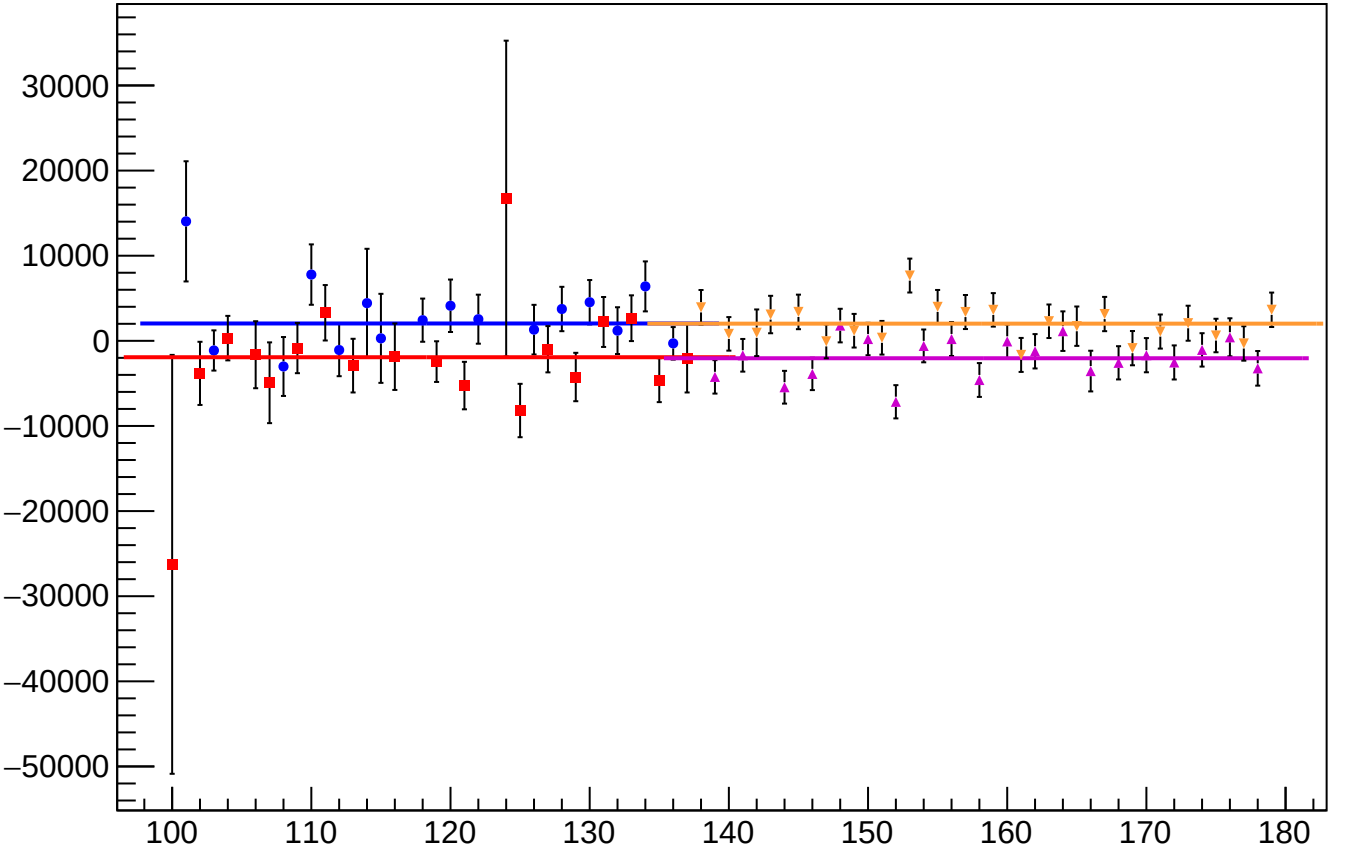
Left In: 596.380+/-0.109 χ^2/NDF:2240822.7/19

\+ sign 588.594+/-0.088 χ^2/NDF: 3268574.0/37

All: 584.117+/-0.063 χ^2/NDF: 6875828.7/76

\- sign 579.483+/-0.090 χ^2/NDF: 3601997.7/38

cor_asym_at1_avg_mean vs Slug



Right In: 2038.842+/-736.211 χ^2/NDF: 16.4/15

Left Out: 2018.624+/-435.049 χ^2/NDF:22.7/21

Right Out: -1926.264+/-737.411 χ^2/NDF: 18.4/18

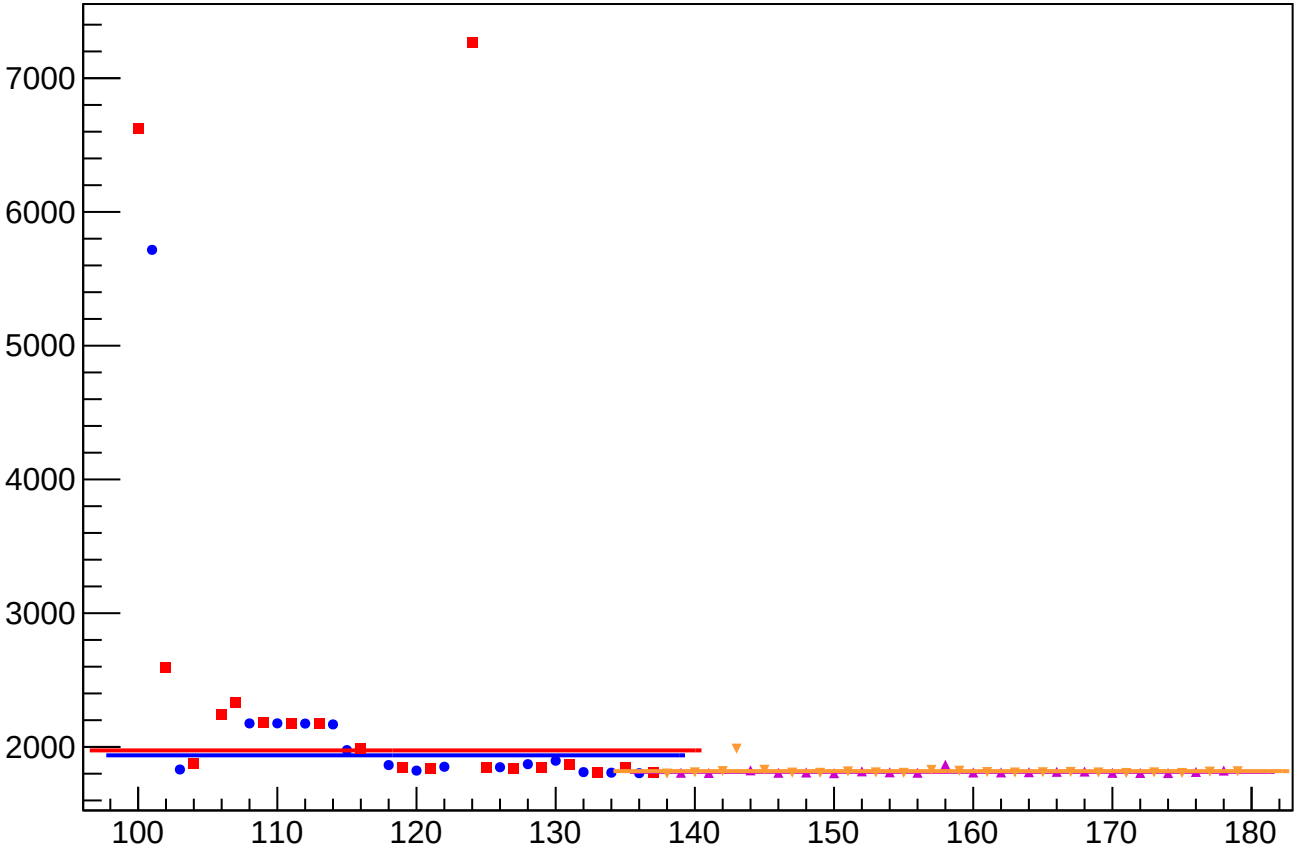
Left In: -2045.675+/-448.619 χ^2/NDF:26.3/19

+ sign 2023.857+/-374.542 χ^2/NDF: 39.2/37

All: 51.688+/-267.872 χ^2/NDF: 140.7/76

- sign -2013.418+/-383.265 χ^2/NDF: 44.8/38

cor_asym_at1_avg_rms vs Slug



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1819.126+/-0.308 χ^2/NDF:12655.5/21

Right Out: 1974.155+/-0.521 χ^2/NDF: 380430.7/18

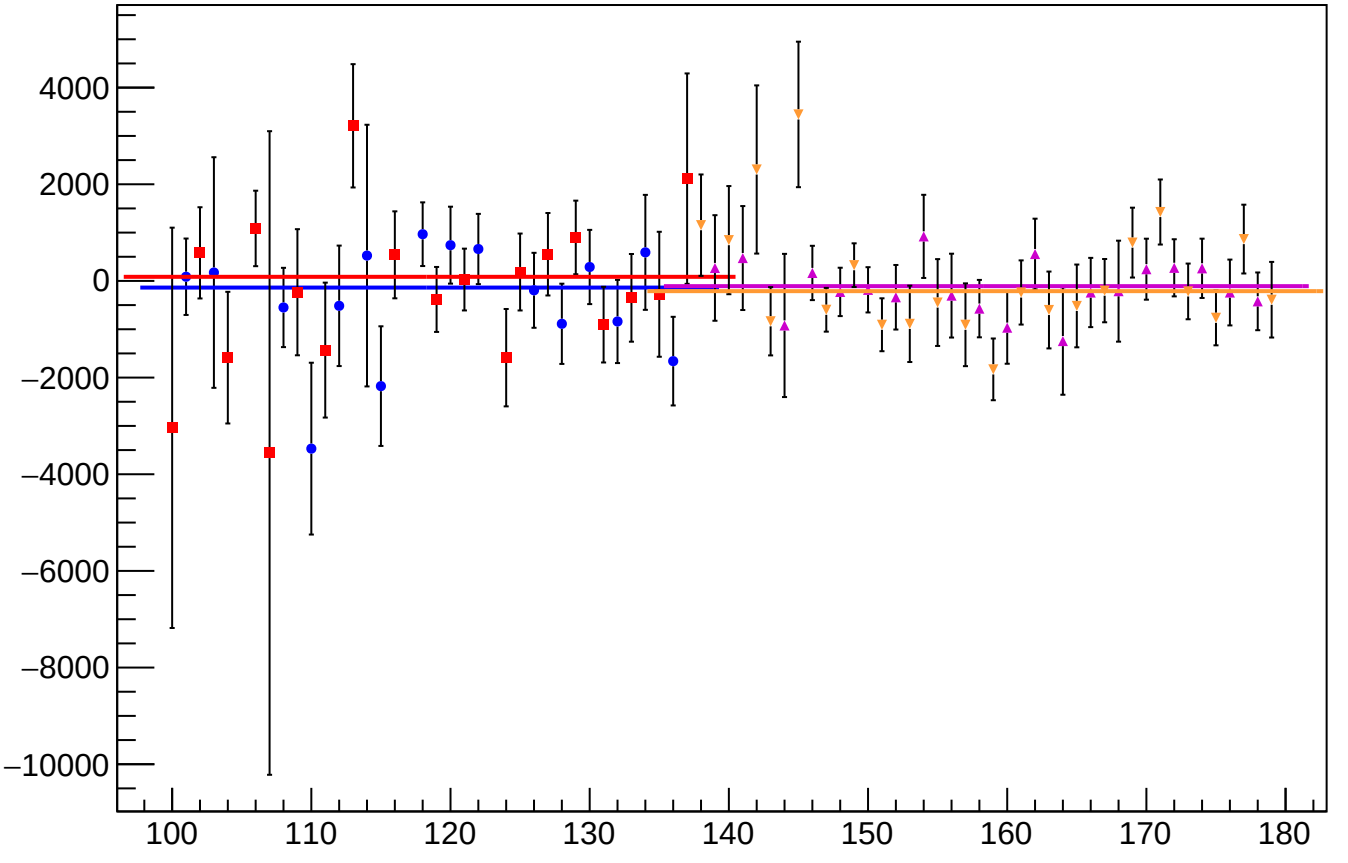
Left In: 1813.734+/-0.317 χ^2/NDF:1872.6/19

+ sign 1849.699+/-0.265 χ^2/NDF: 688910.0/37

All: 1853.299+/-0.189 χ^2/NDF: 1140675.7/76

- sign 1857.069+/-0.271 χ^2/NDF: 451387.5/38

asym_at1_avg_cor_correction_mean vs Slug



Right In: -137.491+/-230.382 χ^2/NDF: 16.9/15

Left Out: -211.670+/-148.061 χ^2/NDF:34.5/21

Right Out: 84.947+/-221.881 χ^2/NDF: 19.3/18

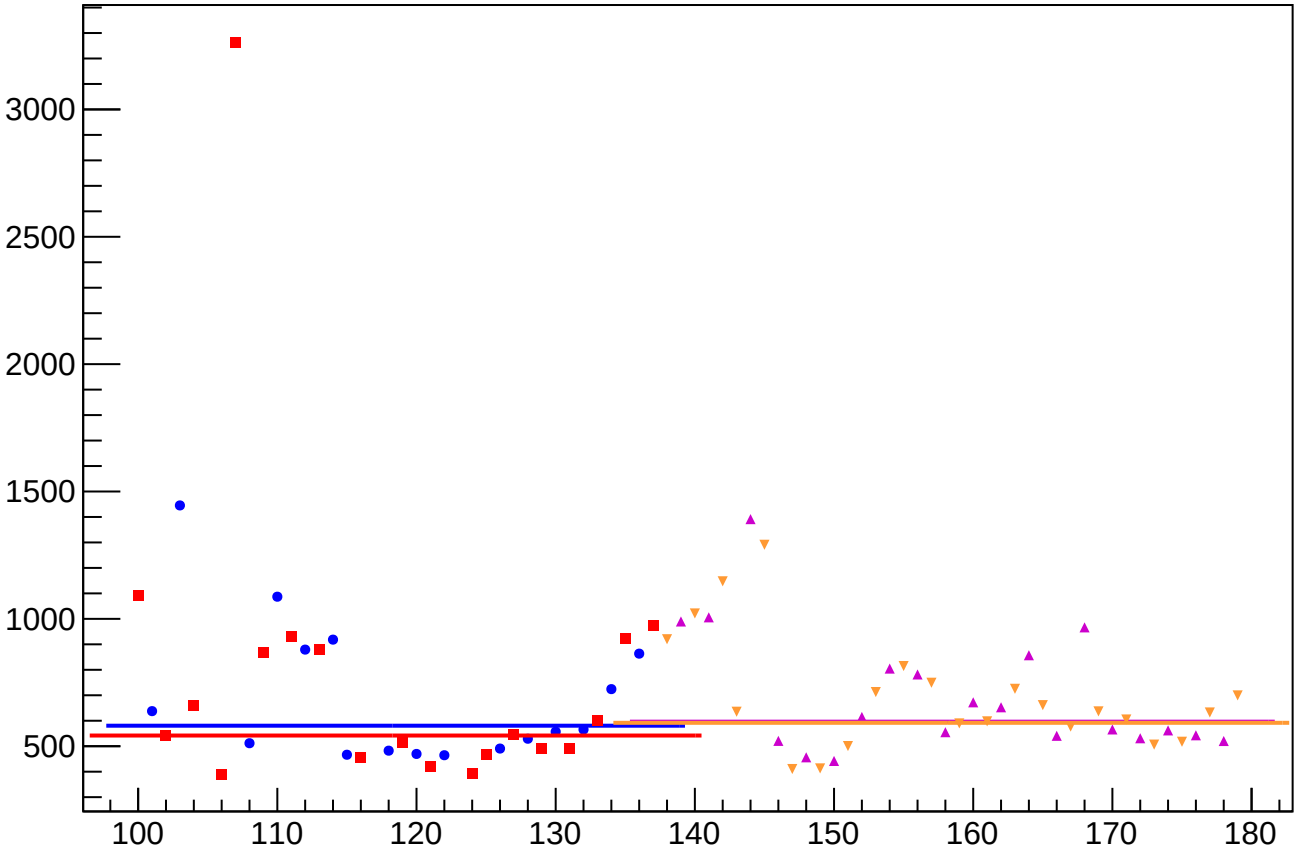
Left In: -107.983+/-154.365 χ^2/NDF:7.9/19

\+ sign -189.987+/-124.556 χ^2/NDF: 51.4/37

All: -118.768+/-88.828 χ^2/NDF: 79.8/76

\- sign -45.058+/-126.716 χ^2/NDF: 27.7/38

asym_at1_avg_cor_correction_rms vs Slug



Right In: 580.519+/-0.163 χ^2/NDF: 1002900.5/15

Left Out: 591.888+/-0.105 χ^2/NDF:2261906.1/21

Right Out: 541.939+/-0.157 χ^2/NDF: 1318850.5/18

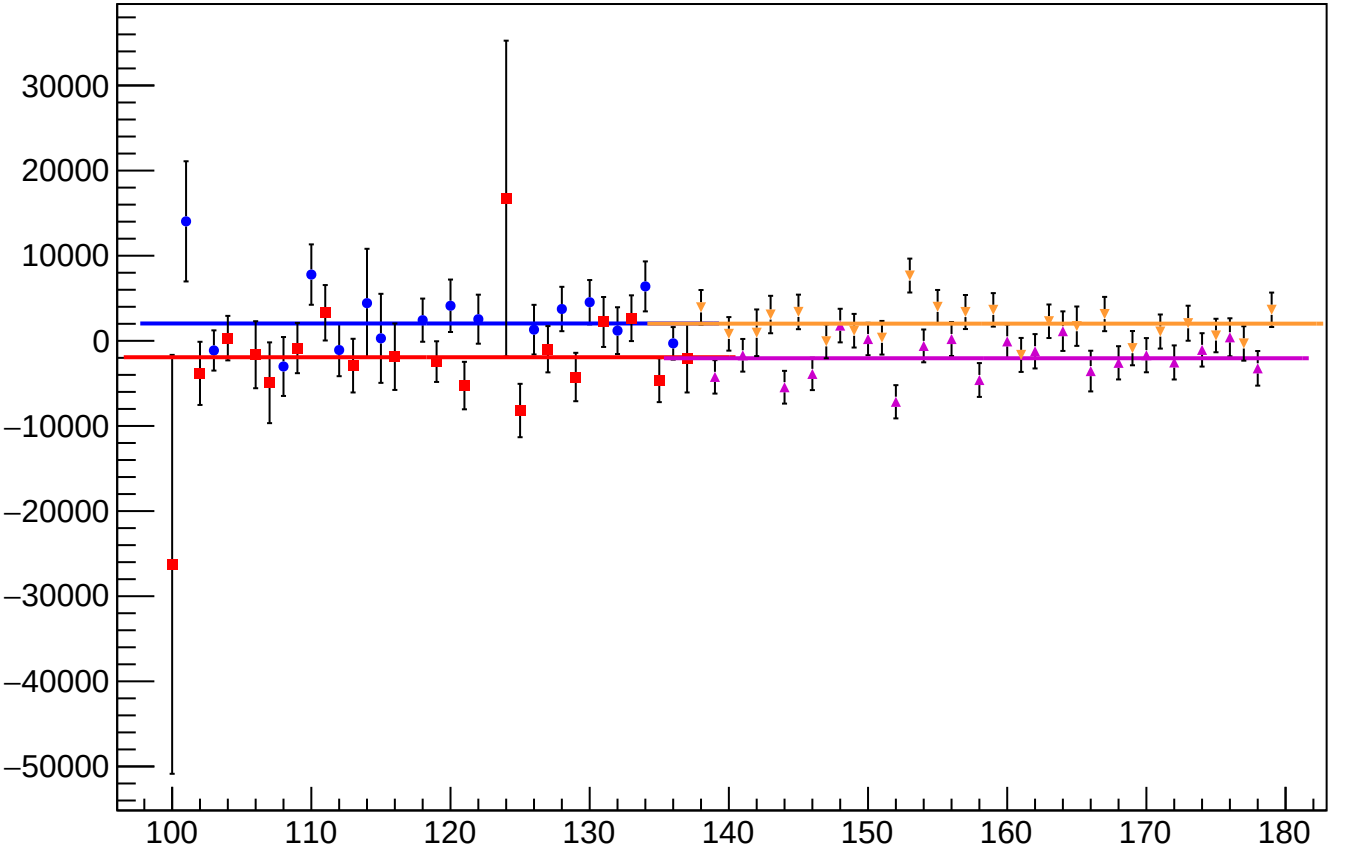
Left In: 596.387+/-0.109 χ^2/NDF:2240841.3/19

+ sign 588.565+/-0.088 χ^2/NDF: 3268253.9/37

All: 583.682+/-0.063 χ^2/NDF: 6915356.2/76

- sign 578.628+/-0.090 χ^2/NDF: 3640847.6/38

eigen_cor_asym_at1_avg_mean vs Slug



Right In: 2038.842+/-736.211 χ^2/NDF: 16.4/15

Left Out: 2018.624+/-435.049 χ^2/NDF:22.7/21

Right Out: -1926.264+/-737.411 χ^2/NDF: 18.4/18

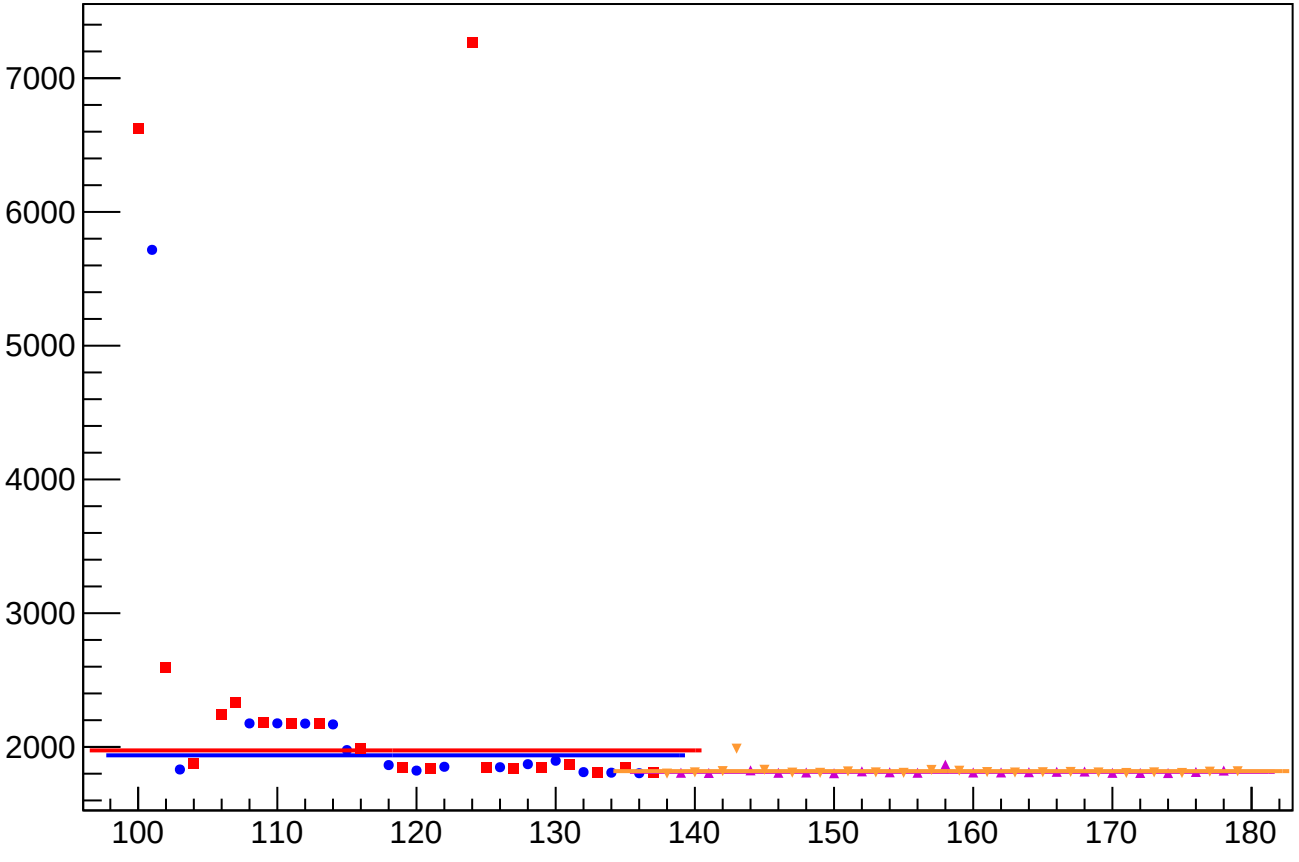
Left In: -2045.675+/-448.619 χ^2/NDF:26.3/19

+ sign 2023.857+/-374.542 χ^2/NDF: 39.2/37

All: 51.688+/-267.872 χ^2/NDF: 140.7/76

- sign -2013.418+/-383.265 χ^2/NDF: 44.8/38

eigen_cor_asym_at1_avg_rms vs Slug



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1819.126+/-0.308 χ^2/NDF:12655.5/21

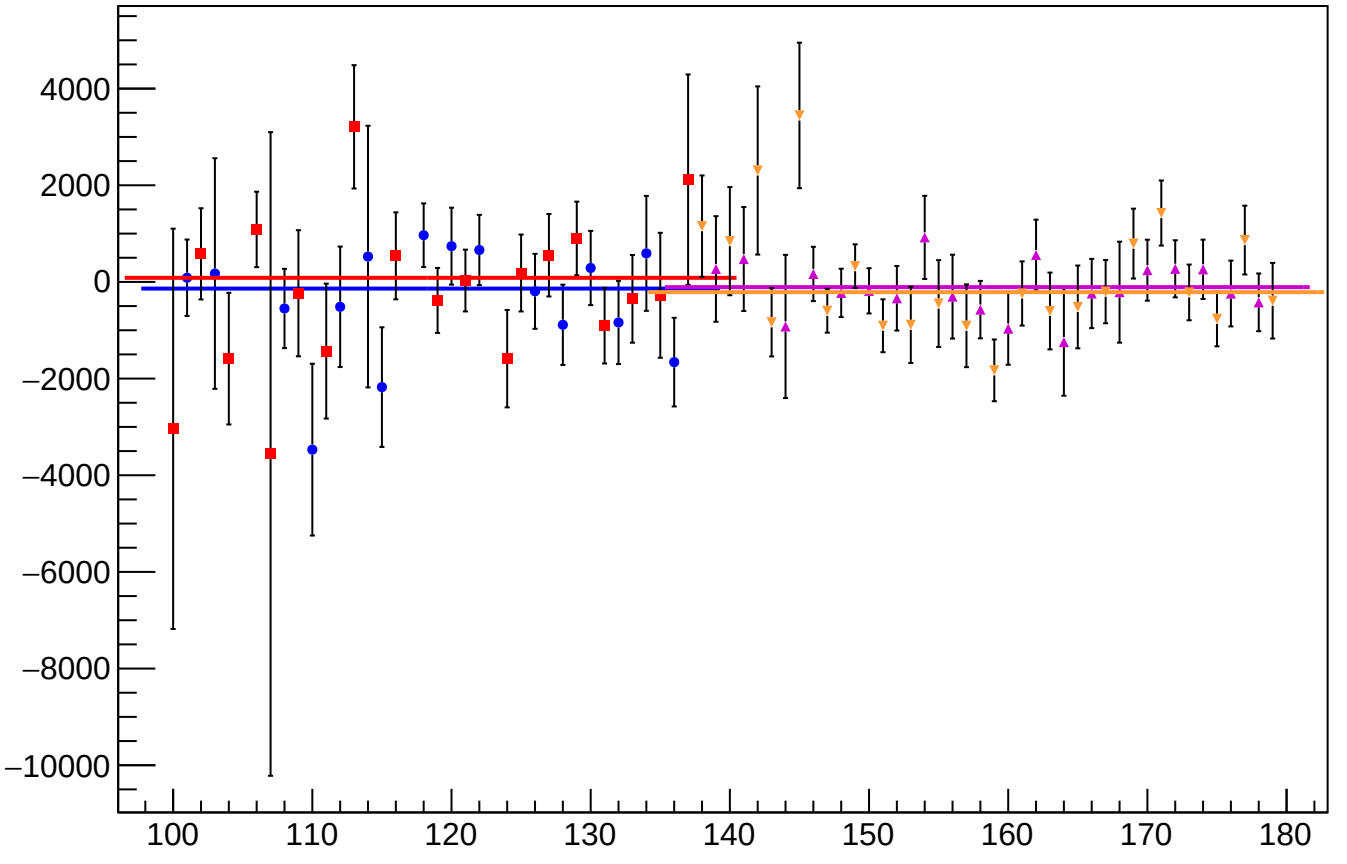
Right Out: 1974.155+/-0.521 χ^2/NDF: 380430.7/18

Left In: 1813.734+/-0.317 χ^2/NDF:1872.6/19

+ sign 1849.699+/-0.265 χ^2/NDF: 688910.0/37

All: 1853.299+/-0.189 χ^2/NDF: 1140675.7/76

- sign 1857.069+/-0.271 χ^2/NDF: 451387.5/38



Right In: -137.491+/-230.382 χ^2/NDF: 16.9/15

Left Out: -211.670+/-148.061 χ^2/NDF:34.5/21

Right Out: 84.947+/-221.881 χ^2/NDF: 19.3/18

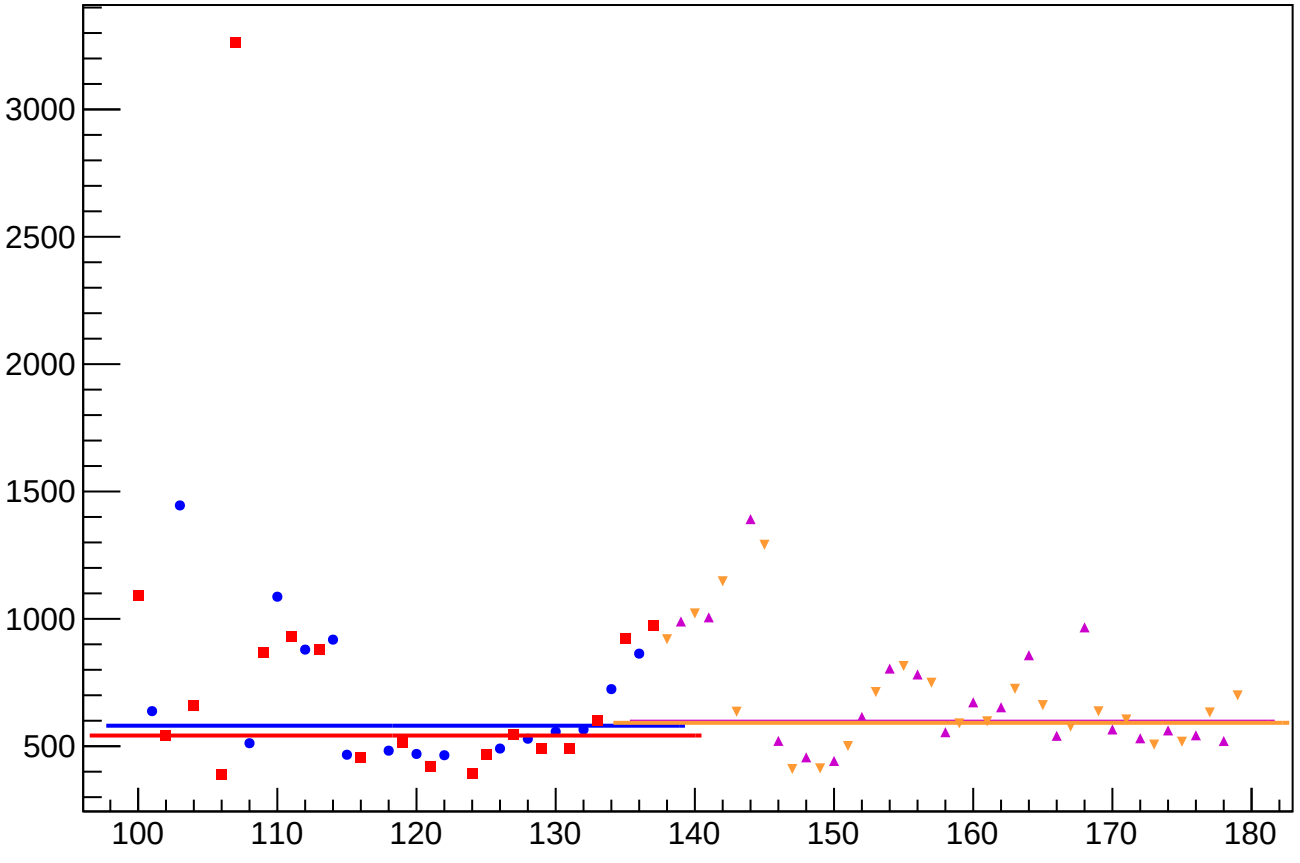
Left In: -107.983+/-154.365 χ^2/NDF:7.9/19

+ sign -189.987+/-124.556 χ^2/NDF: 51.4/37

All: -118.768+/-88.828 χ^2/NDF: 79.8/76

- sign -45.058+/-126.716 χ^2/NDF: 27.7/38

asym_at1_avg_eigen_cor_correction_rms vs Slug



Right In: 580.519+/-0.163 χ^2/NDF: 1002900.5/15

Left Out: 591.888+/-0.105 χ^2/NDF:2261906.1/21

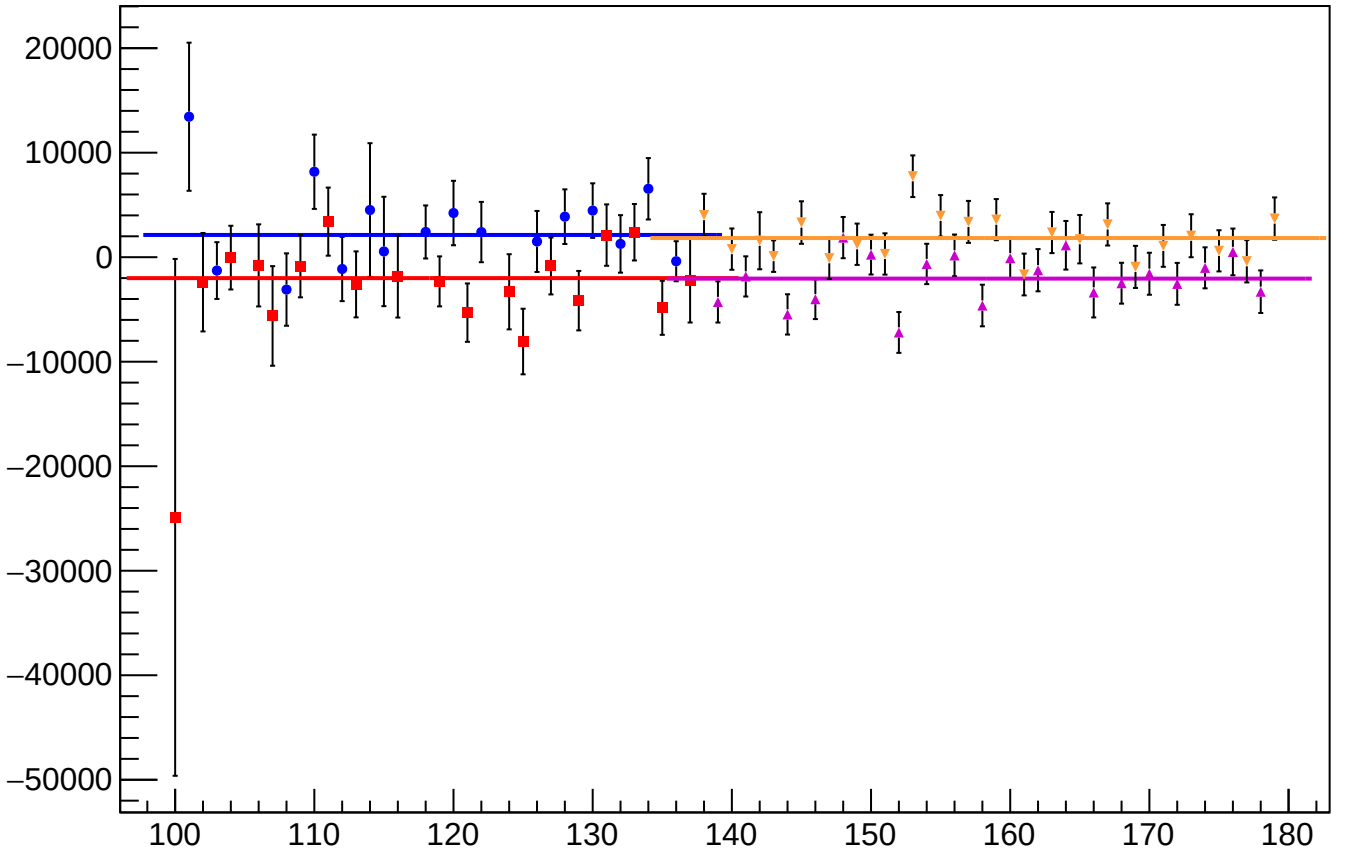
Right Out: 541.939+/-0.157 χ^2/NDF: 1318850.5/18

Left In: 596.387+/-0.109 χ^2/NDF:2240841.3/19

\+ sign 588.565+/-0.088 χ^2/NDF: 3268253.9/37

All: 583.682+/-0.063 χ^2/NDF: 6915356.2/76

\- sign 578.628+/-0.090 χ^2/NDF: 3640847.6/38



Right In: 2128.748+/-746.242 χ^2/NDF: 16.5/15

Left Out: 1832.426+/-426.232 χ^2/NDF:24.3/21

Right Out: -2002.220+/-737.195 χ^2/NDF: 16.7/18

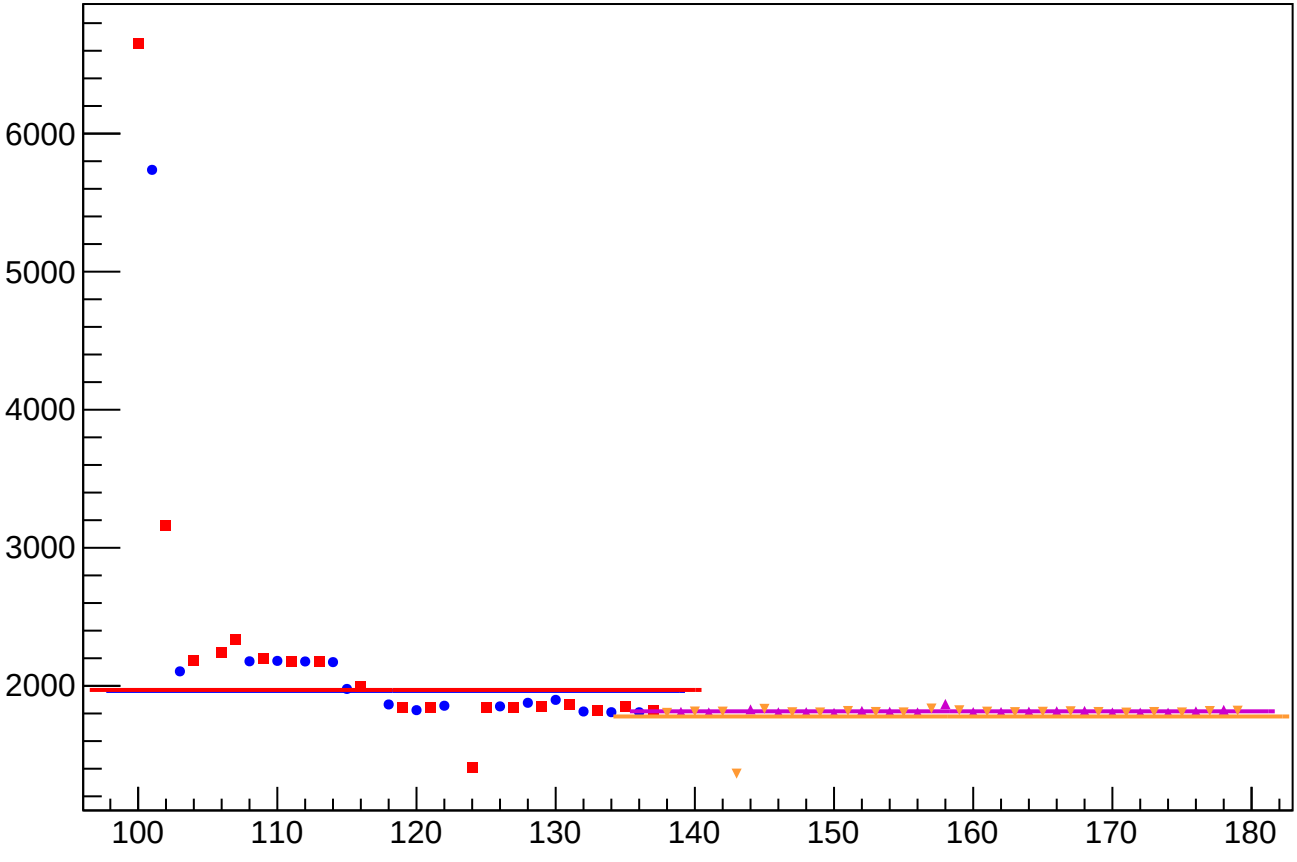
Left In: -2049.259+/-449.100 χ^2/NDF:26.8/19

+ sign 1905.318+/-370.114 χ^2/NDF: 40.9/37

All: 4.565+/-266.328 χ^2/NDF: 139.1/76

- sign -2036.527+/-383.534 χ^2/NDF: 43.5/38

dit_asym_at1_avg_rms vs Slug



Right In: 1963.415+/-0.528 χ^2/NDF: 640254.1/15

Left Out: 1778.356+/-0.301 χ^2/NDF:164145.7/21

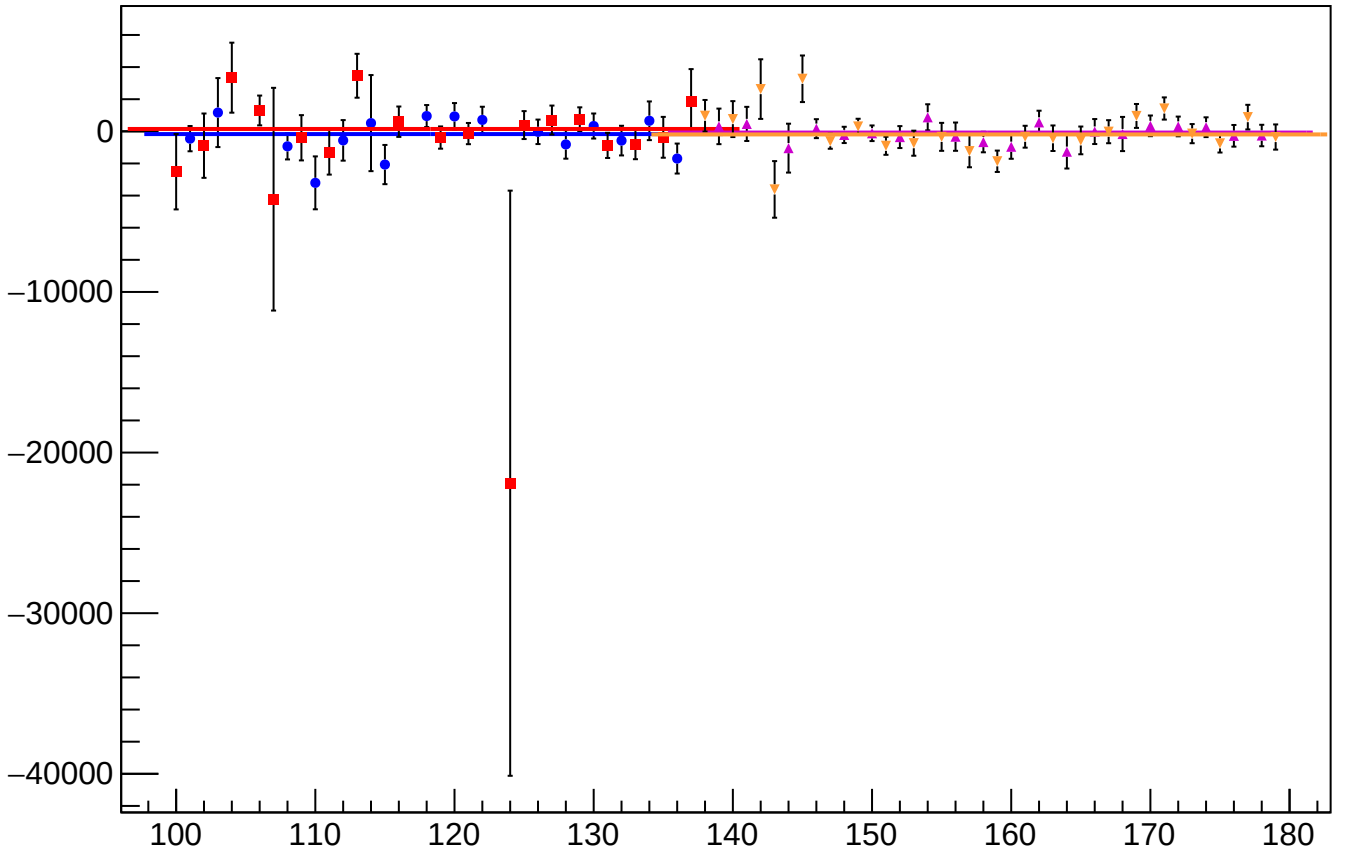
Right Out: 1970.459+/-0.521 χ^2/NDF: 345133.0/18

Left In: 1815.660+/-0.318 χ^2/NDF:1943.0/19

+ sign 1823.878+/-0.262 χ^2/NDF: 897139.9/37

All: 1840.120+/-0.188 χ^2/NDF: 1316519.9/76

- sign 1857.560+/-0.271 χ^2/NDF: 411393.4/38



Right In: -170.774+/-236.912 χ^2/NDF: 17.2/15

Left Out: -192.183+/-155.659 χ^2/NDF:36.5/21

Right Out: 147.489+/-242.848 χ^2/NDF: 20.1/18

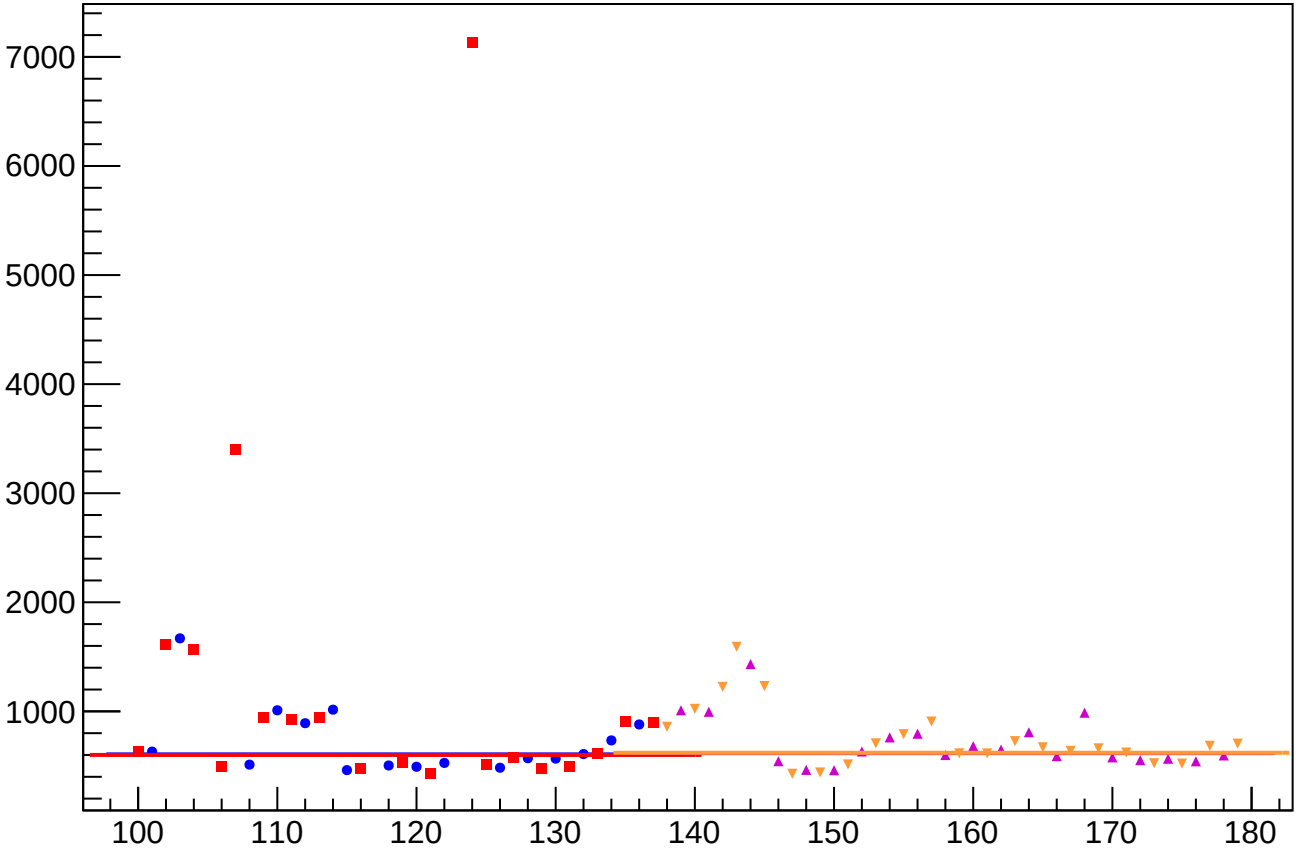
Left In: -76.271+/-158.547 χ^2/NDF:8.2/19

+ sign -185.727+/-130.092 χ^2/NDF: 53.7/37

All: -99.352+/-92.917 χ^2/NDF: 83.5/76

- sign -9.400+/-132.758 χ^2/NDF: 28.9/38

asym_at1_avg_dit_correction_rms vs Slug



Right In: 605.430+/-0.168 χ^2/NDF: 1162454.5/15

Left Out: 620.285+/-0.110 χ^2/NDF:2701823.3/21

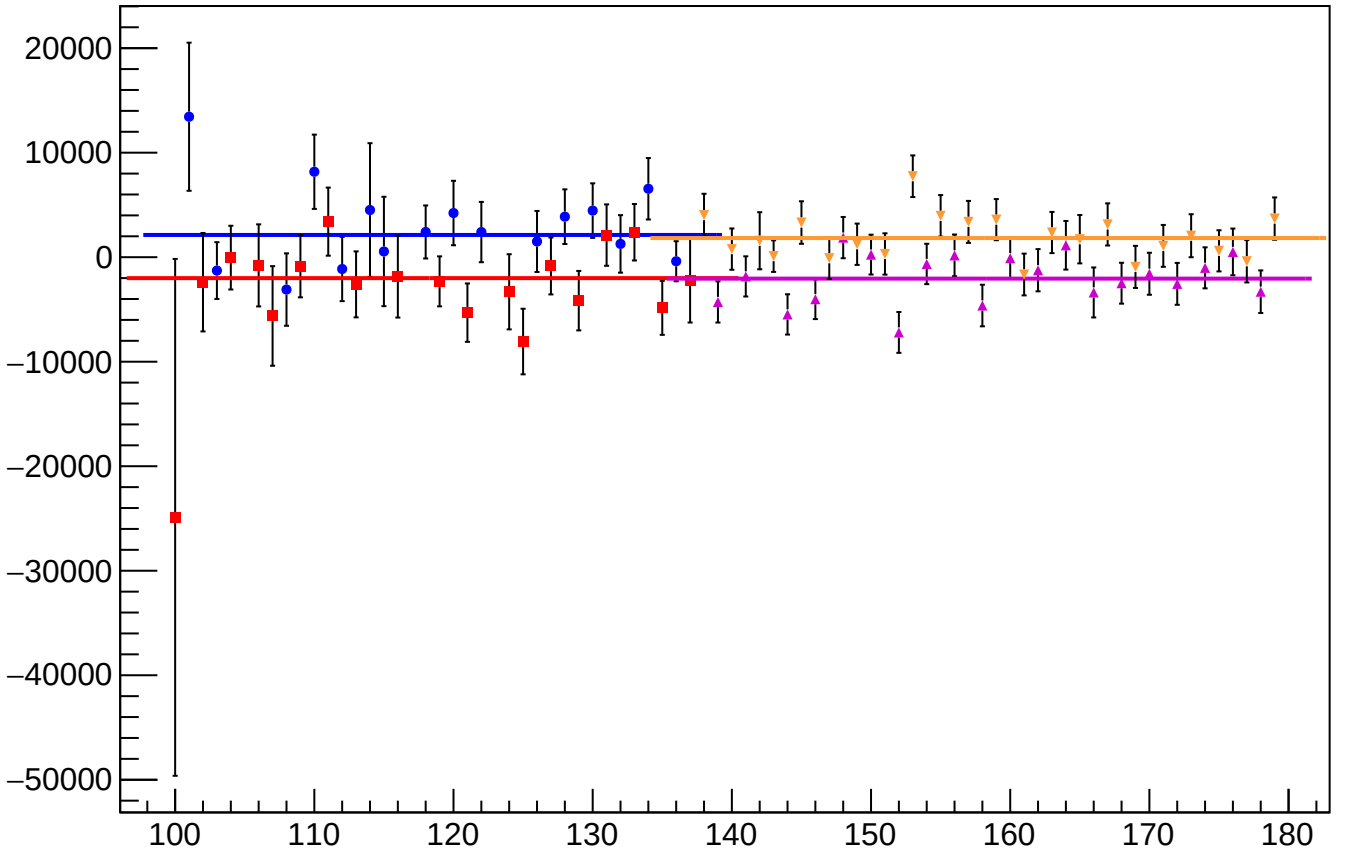
Right Out: 600.447+/-0.172 χ^2/NDF: 2328523.8/18

Left In: 616.816+/-0.112 χ^2/NDF:2051657.9/19

\+ sign 615.806+/-0.092 χ^2/NDF: 3869770.6/37

All: 613.904+/-0.066 χ^2/NDF: 8257196.0/76

\- sign 611.924+/-0.094 χ^2/NDF: 4386553.0/38



Right In: 2128.746+/-746.242 χ^2/NDF: 16.5/15

Left Out: 1832.427+/-426.232 χ^2/NDF:24.3/21

Right Out: -2002.218+/-737.195 χ^2/NDF: 16.7/18

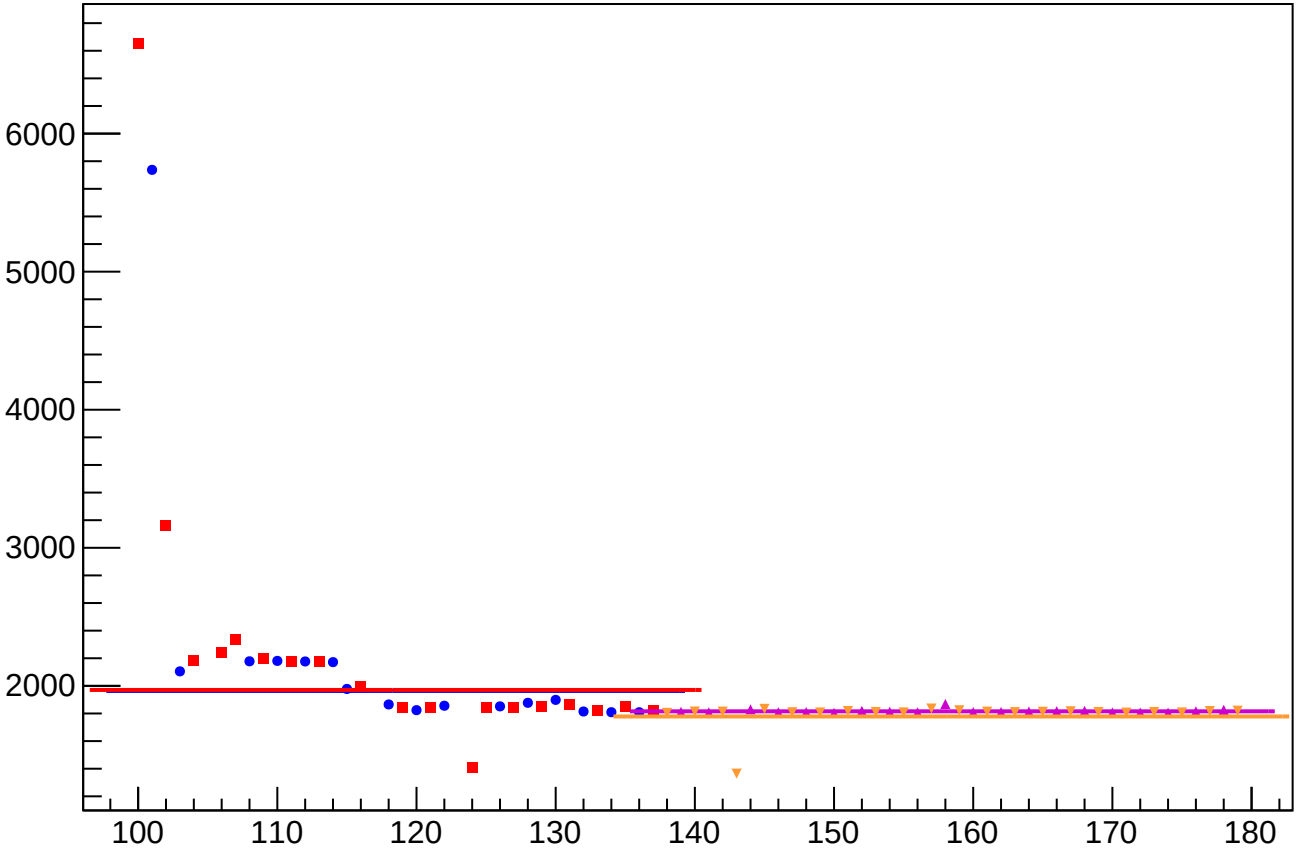
Left In: -2049.259+/-449.100 χ^2/NDF:26.8/19

+ sign 1905.317+/-370.114 χ^2/NDF: 40.9/37

All: 4.565+/-266.328 χ^2/NDF: 139.1/76

- sign -2036.527+/-383.534 χ^2/NDF: 43.5/38

eigen_dit_asym_at1_avg_rms vs Slug



Right In: 1963.415+/-0.528 χ^2/NDF: 640253.8/15

Left Out: 1778.356+/-0.301 χ^2/NDF:164145.7/21

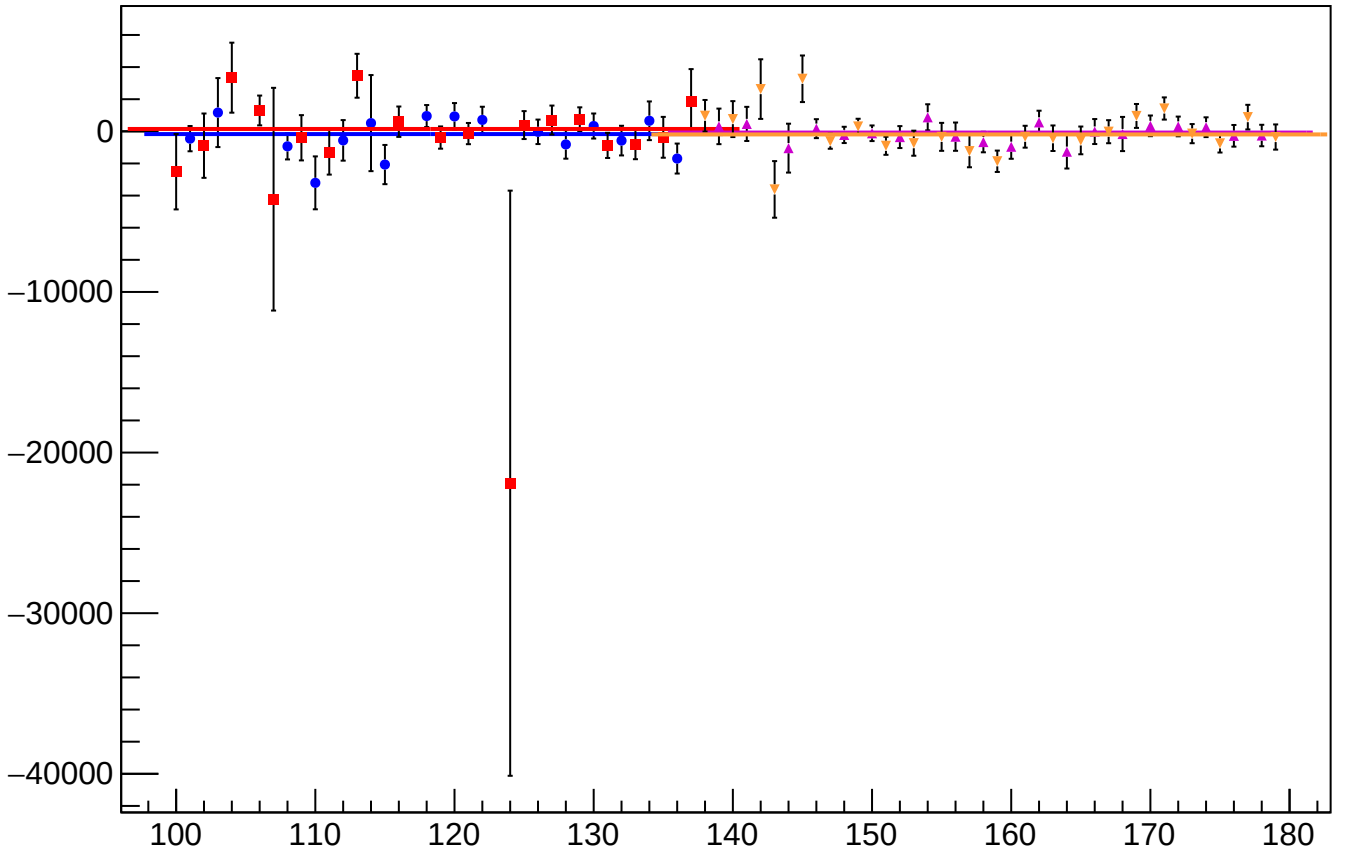
Right Out: 1970.459+/-0.521 χ^2/NDF: 345131.7/18

Left In: 1815.660+/-0.318 χ^2/NDF:1943.0/19

+ sign 1823.878+/-0.262 χ^2/NDF: 897139.3/37

All: 1840.119+/-0.188 χ^2/NDF: 1316517.8/76

- sign 1857.560+/-0.271 χ^2/NDF: 411391.9/38



Right In: -170.773+/-236.912 χ^2/NDF: 17.2/15

Left Out: -192.183+/-155.659 χ^2/NDF:36.5/21

Right Out: 147.489+/-242.847 χ^2/NDF: 20.1/18

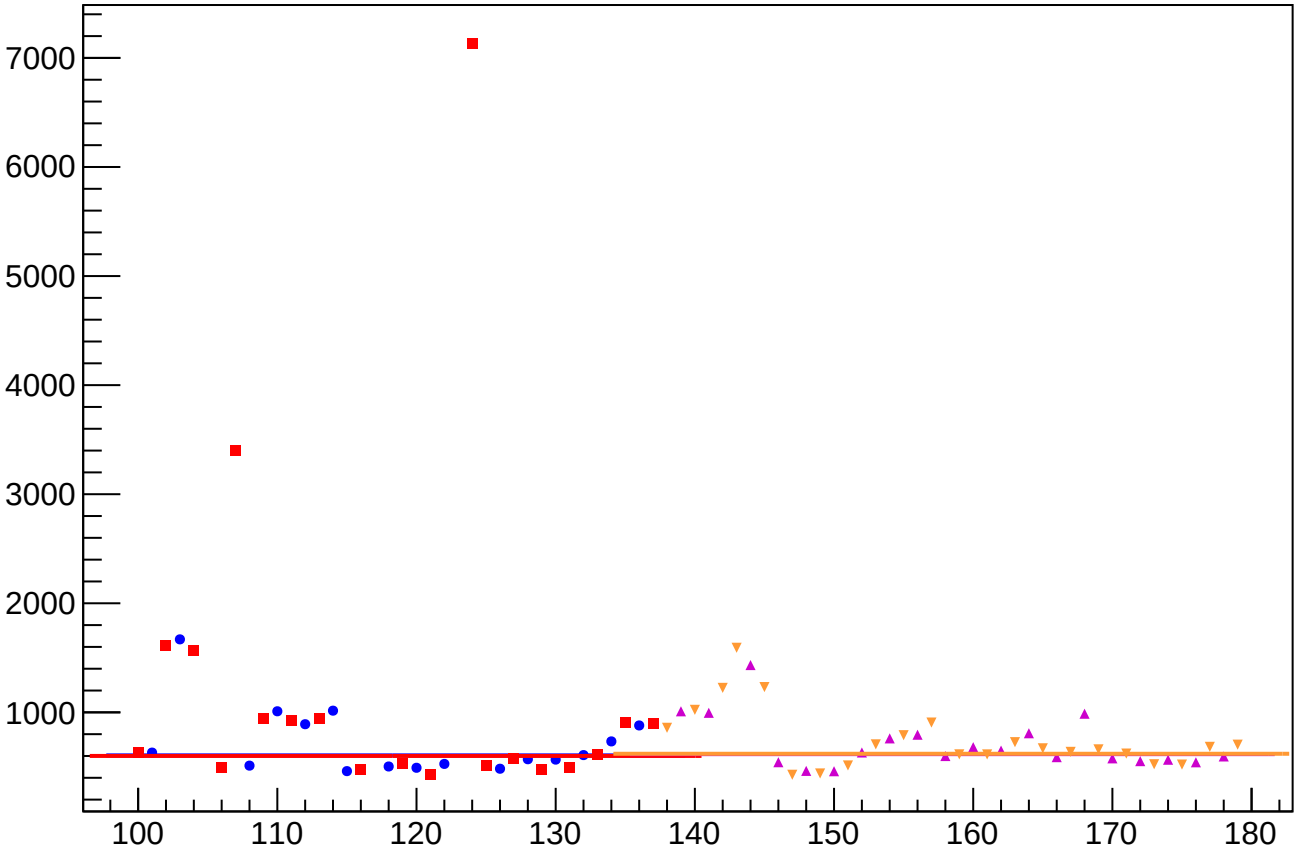
Left In: -76.271+/-158.547 χ^2/NDF:8.2/19

+ sign -185.727+/-130.092 χ^2/NDF: 53.7/37

All: -99.352+/-92.917 χ^2/NDF: 83.5/76

- sign -9.400+/-132.758 χ^2/NDF: 28.9/38

asym_at1_avg_eigen_dit_correction_rms vs Slug



Right In: 605.429+/-0.168 χ^2/NDF: 1162462.4/15

Left Out: 620.286+/-0.110 χ^2/NDF:2701815.9/21

Right Out: 600.446+/-0.172 χ^2/NDF: 2328531.9/18

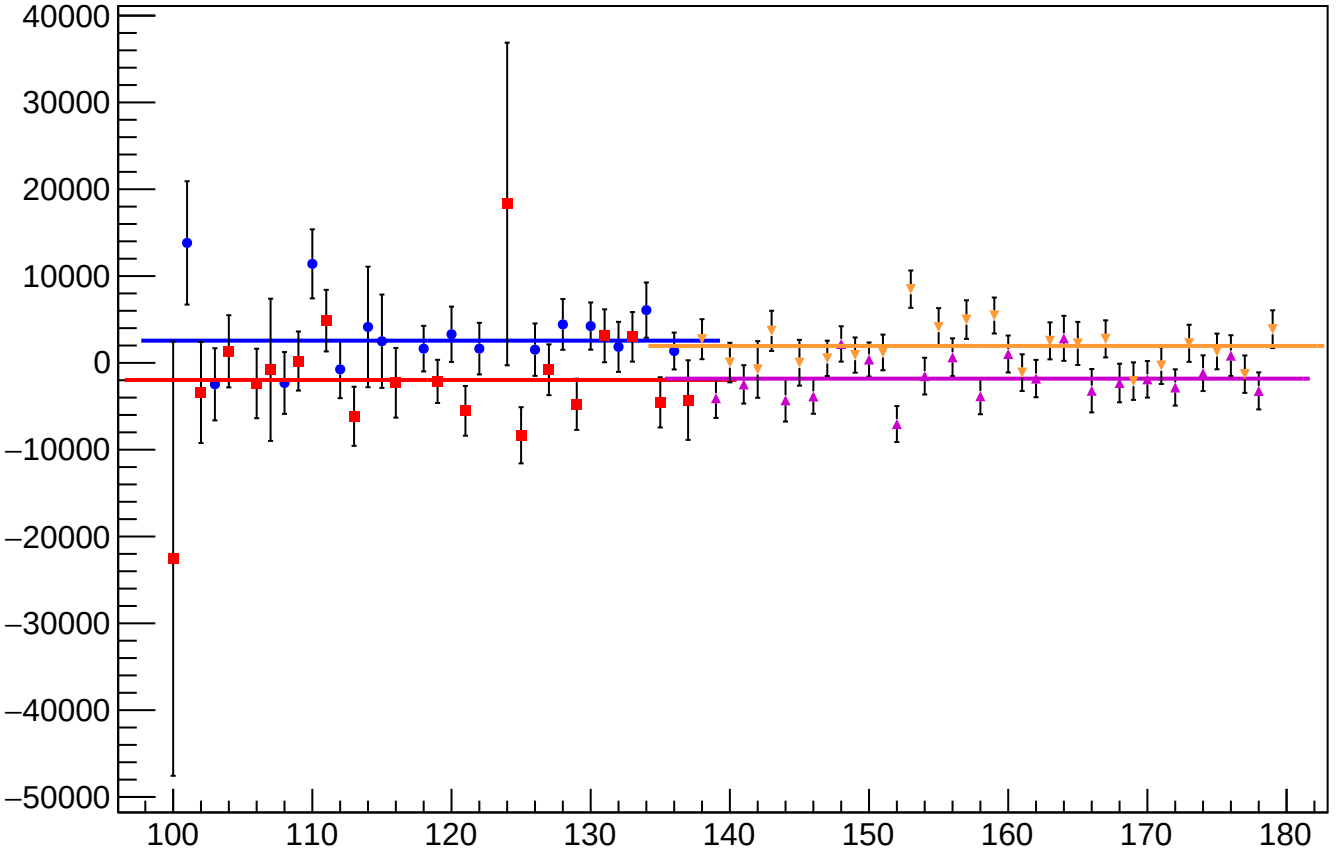
Left In: 616.817+/-0.112 χ^2/NDF:2051653.6/19

\+ sign 615.806+/-0.092 χ^2/NDF: 3869772.7/37

All: 613.905+/-0.066 χ^2/NDF: 8257203.2/76

\- sign 611.924+/-0.094 χ^2/NDF: 4386558.1/38

asym_at1_avg_mean vs Slug



Right In: 2560.971+/-809.658 χ^2/NDF: 14.6/15

Left Out: 1952.038+/-469.507 χ^2/NDF:28.7/21

Right Out: -1966.731+/-818.839 χ^2/NDF: 21.6/18

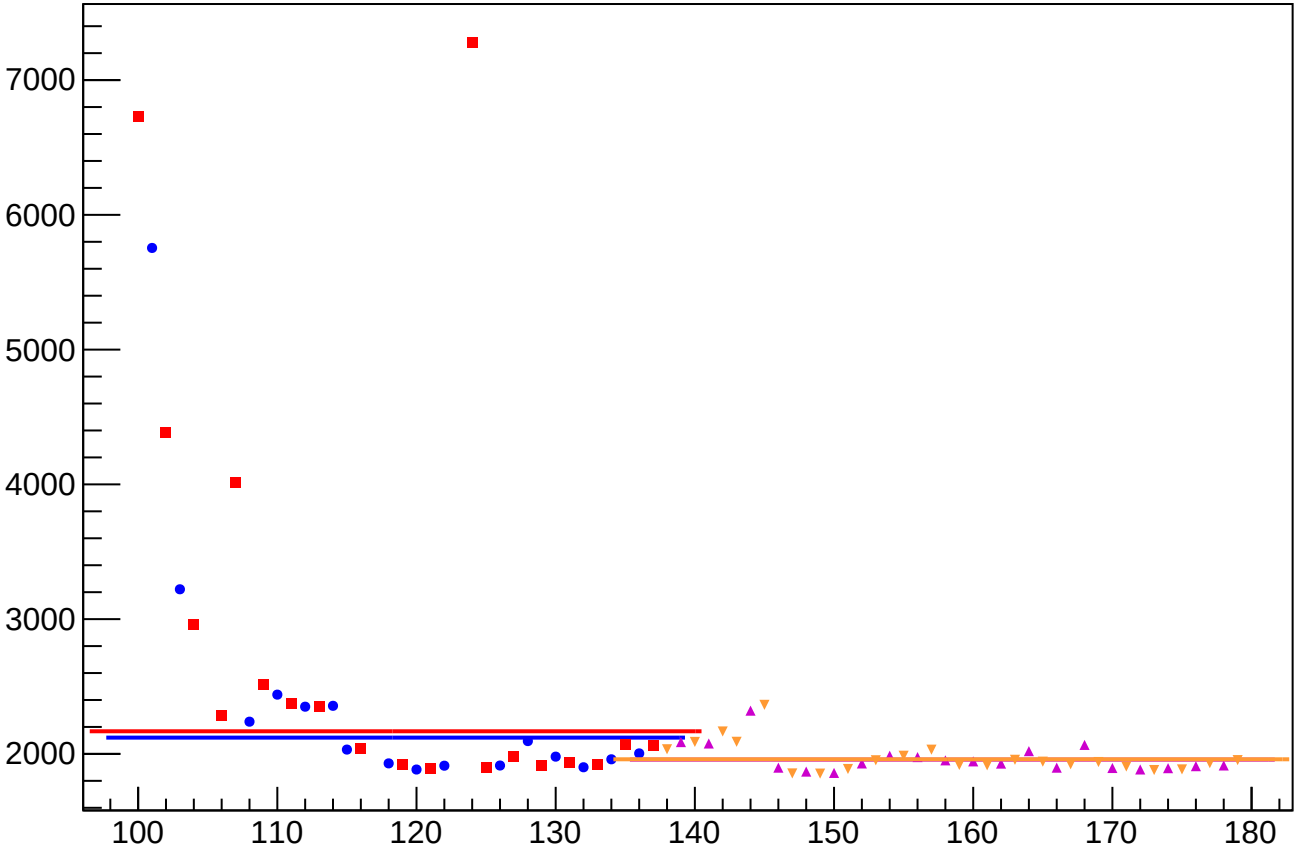
Left In: -1817.394+/-484.923 χ^2/NDF:24.3/19

+ sign 2105.273+/-406.159 χ^2/NDF: 43.7/37

All: 177.881+/-291.038 χ^2/NDF: 135.9/76

- sign -1856.169+/-417.246 χ^2/NDF: 45.9/38

asym_at1_avg_rms vs Slug



Right In: 2120.778+/-0.573 χ^2/NDF: 759969.1/15

Left Out: 1959.967+/-0.332 χ^2/NDF:95066.8/21

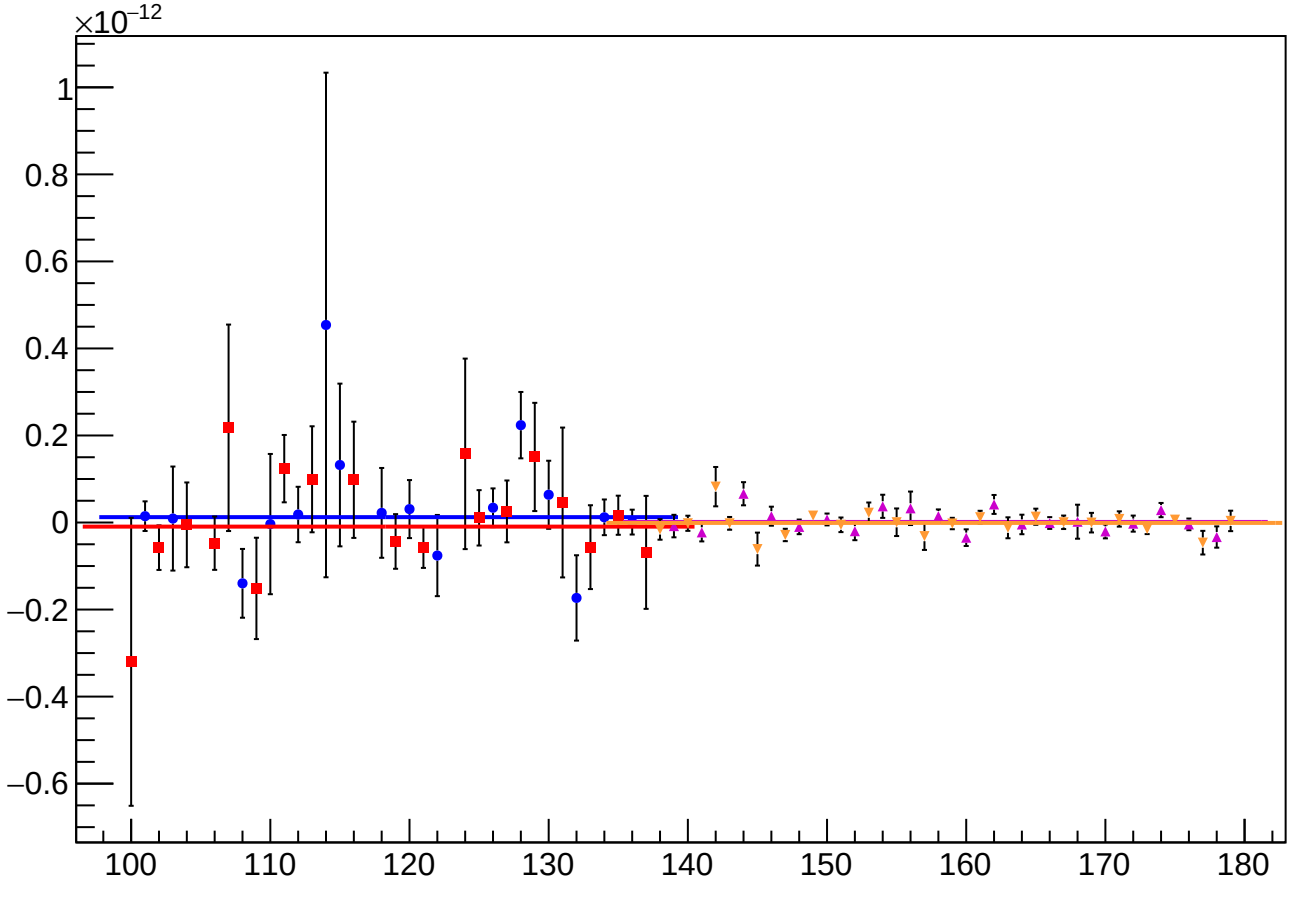
Right Out: 2167.840+/-0.579 χ^2/NDF: 823925.5/18

Left In: 1957.428+/-0.343 χ^2/NDF:83328.6/19

+ sign 2000.434+/-0.287 χ^2/NDF: 914078.1/37

All: 2006.092+/-0.206 χ^2/NDF: 1919901.0/76

- sign 2012.062+/-0.295 χ^2/NDF: 1005025.5/38



Right In: 0.000+/-0.000 χ^2/NDF: 17.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.0/21

Right Out: -0.000+/-0.000 χ^2/NDF: 13.8/18

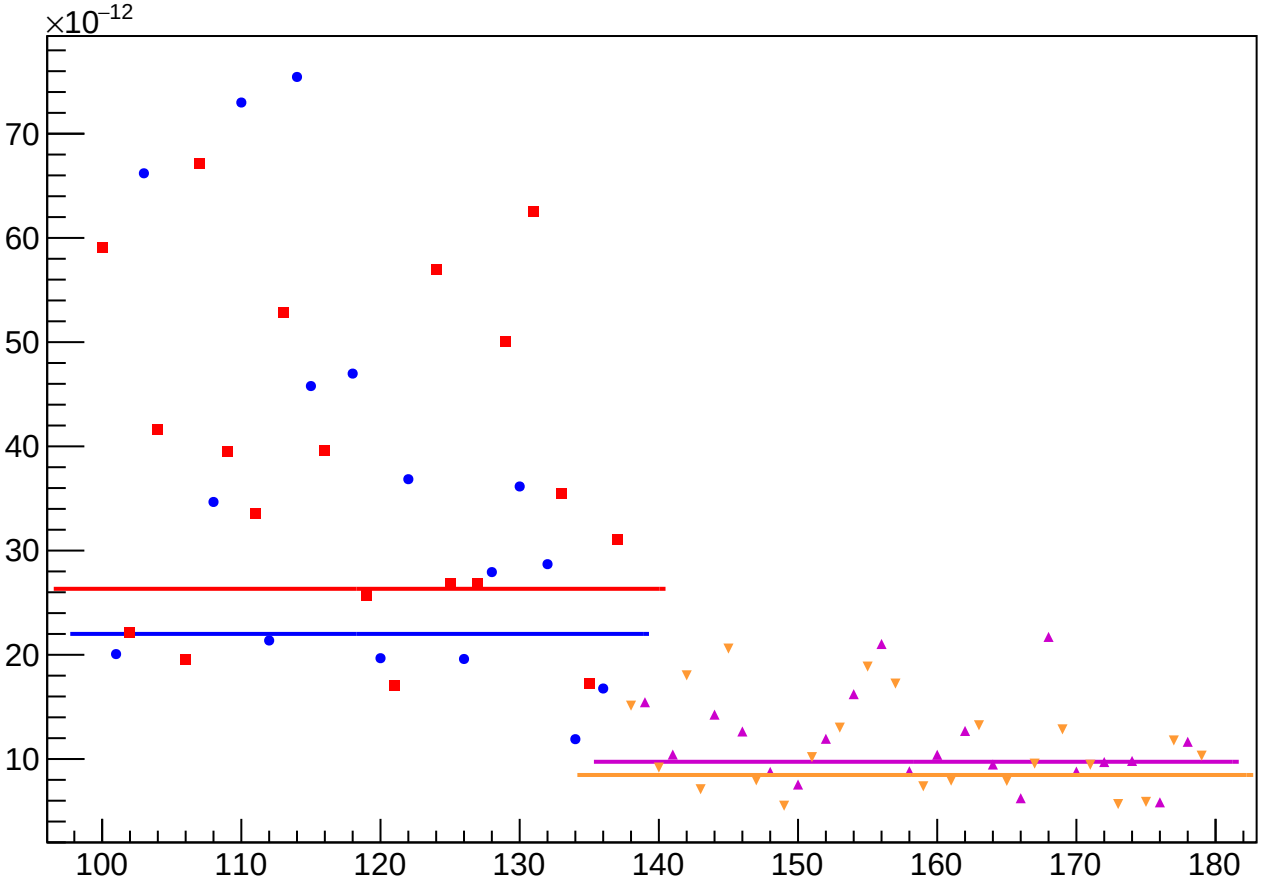
Left In: 0.000+/-0.000 χ^2/NDF:26.6/19

+ sign -0.000+/-0.000 χ^2/NDF: 39.5/37

All: 0.000+/-0.000 χ^2/NDF: 80.3/76

- sign 0.000+/-0.000 χ^2/NDF: 40.7/38

asym_at1_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1032604.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1577582.3/21

Right Out: 0.000+/-0.000 χ^2/NDF: 705211.2/18

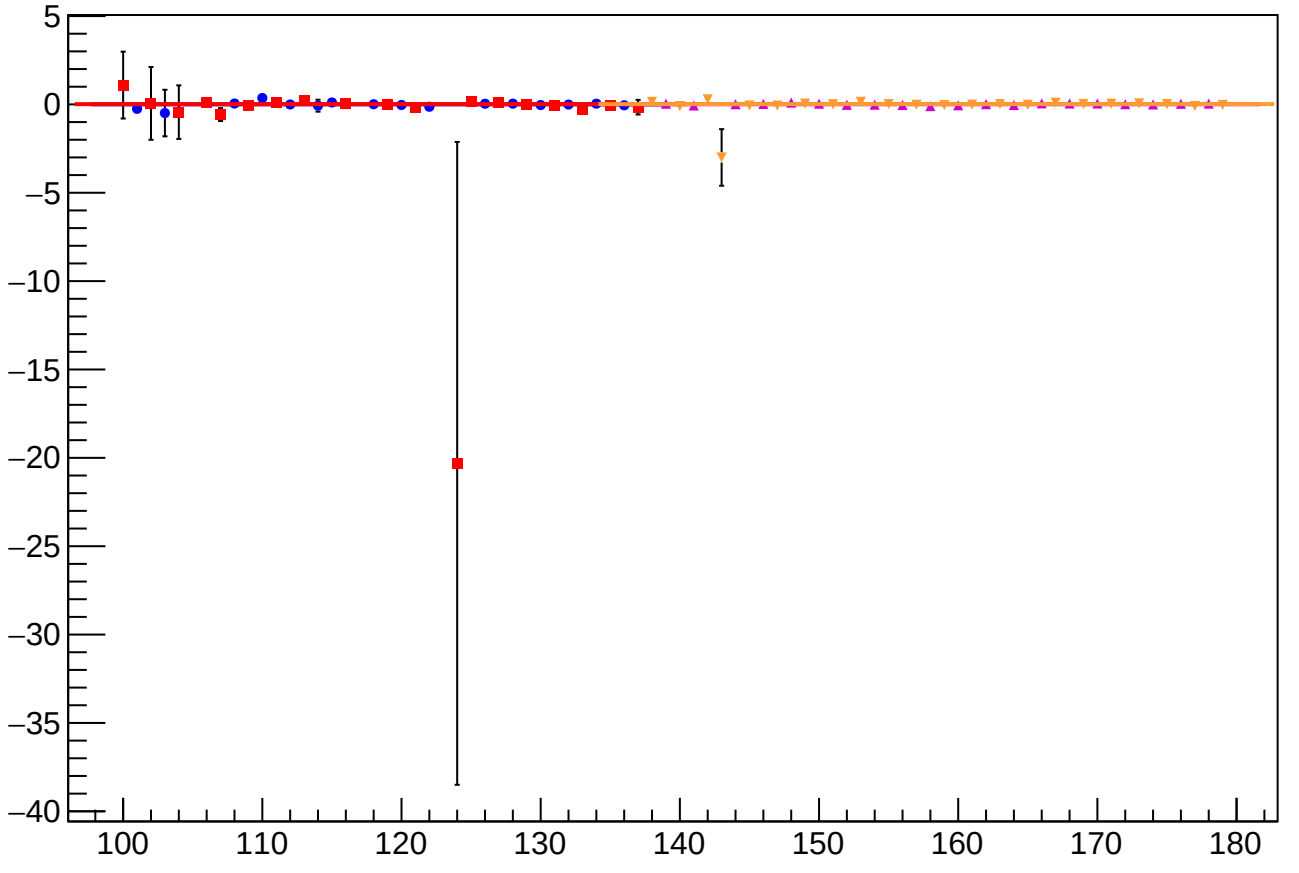
Left In: 0.000+/-0.000 χ^2/NDF:1121581.8/19

+ sign 0.000+/-0.000 χ^2/NDF: 4204361.8/37

All: 0.000+/-0.000 χ^2/NDF: 7766496.5/76

- sign 0.000+/-0.000 χ^2/NDF: 3432015.9/38

asym_at1_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.016+/-0.013 χ^2/NDF:27.3/21

Right Out: 0.013+/-0.026 χ^2/NDF: 17.6/18

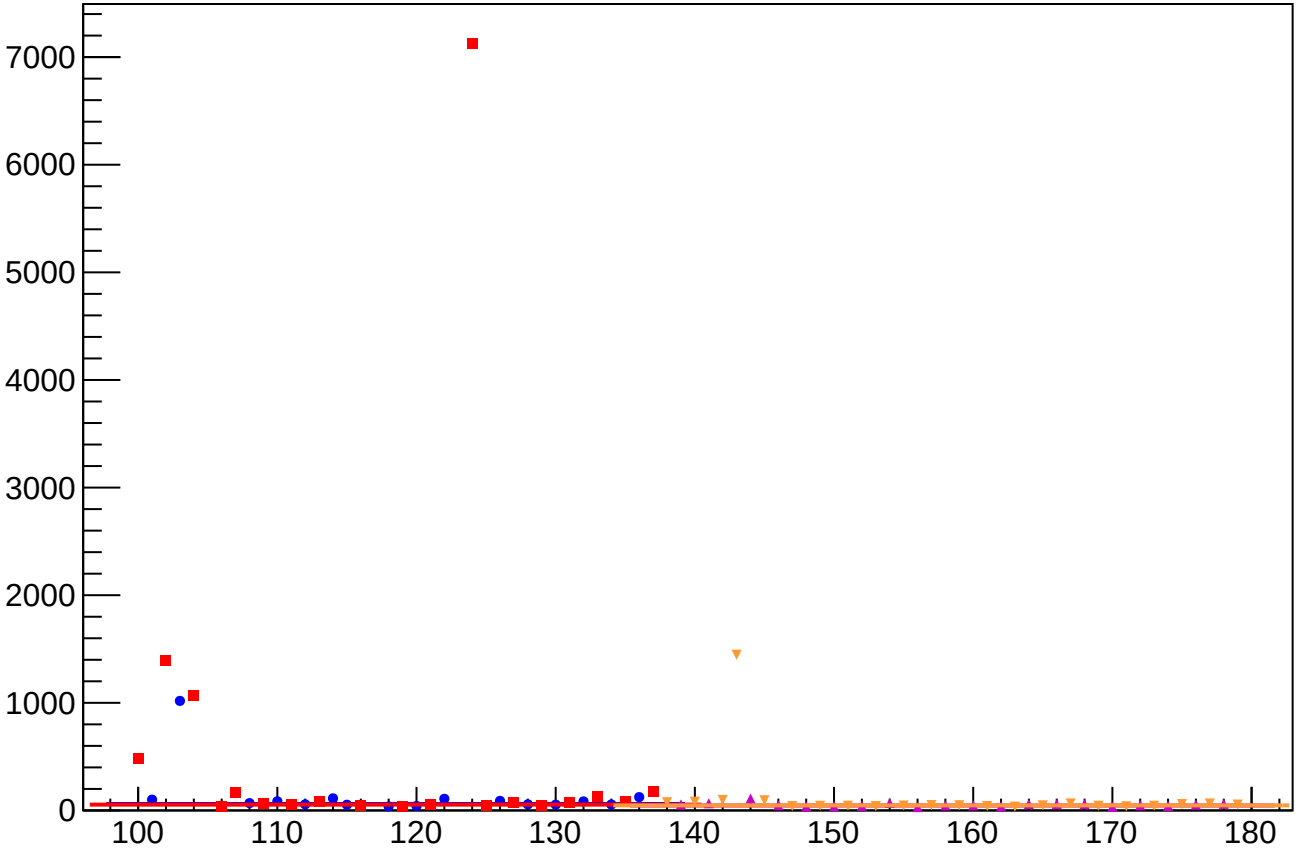
Left In: 0.009+/-0.013 χ^2/NDF:14.8/19

+ sign 0.014+/-0.012 χ^2/NDF: 38.9/37

All: 0.012+/-0.008 χ^2/NDF: 71.4/76

- sign 0.010+/-0.011 χ^2/NDF: 32.4/38

asym_at1_avg_dit_vs_cor_diff_rms vs Slug



Right In: 59.840+/-0.019 χ^2/NDF: 2538867.4/15

Left Out: 47.141+/-0.009 χ^2/NDF:3194788.6/21

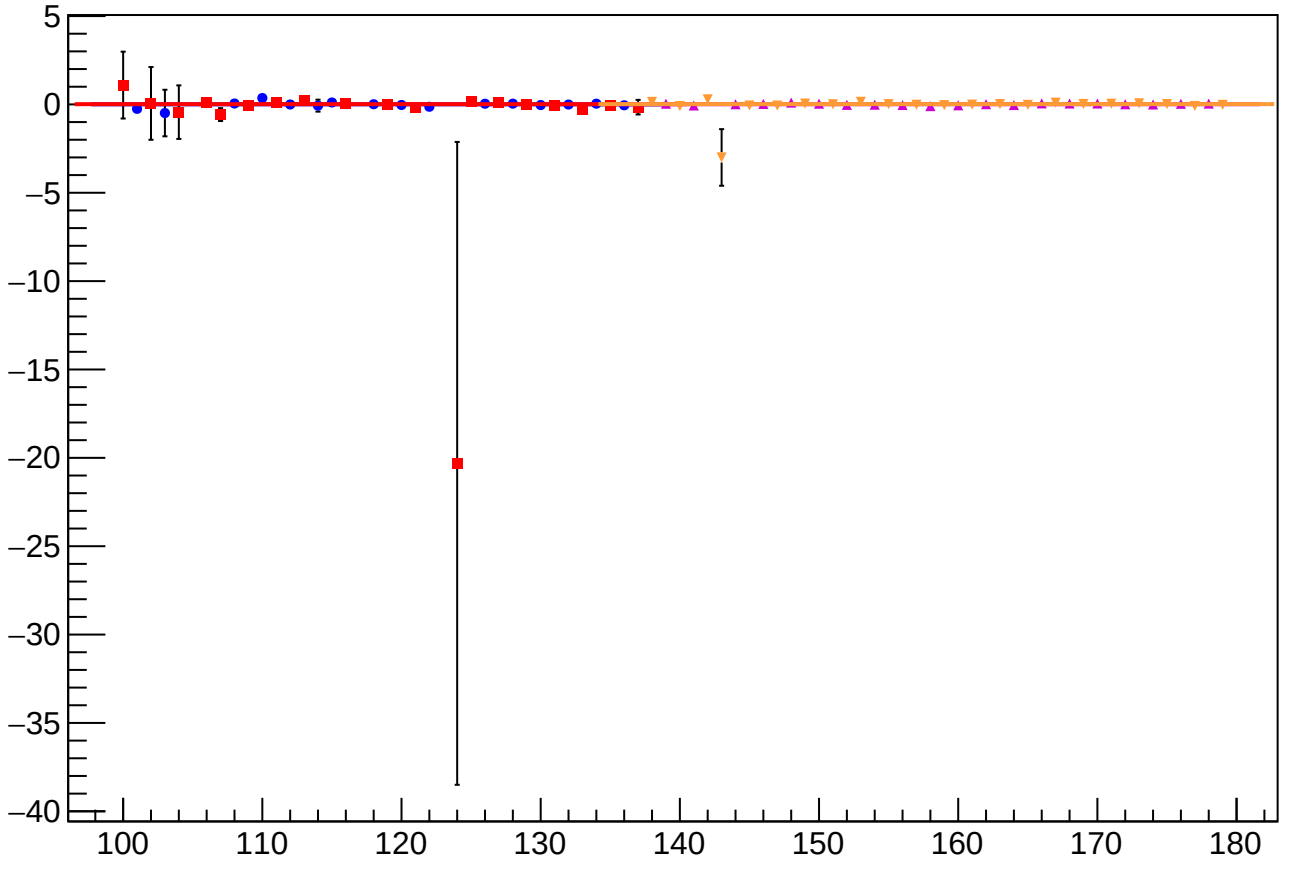
Right Out: 54.249+/-0.018 χ^2/NDF: 3521580.5/18

Left In: 46.050+/-0.009 χ^2/NDF:1802633.5/19

+ sign 49.550+/-0.008 χ^2/NDF: 6099751.3/37

All: 48.601+/-0.006 χ^2/NDF: 11611991.2/76

- sign 47.676+/-0.008 χ^2/NDF: 5485983.9/38



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.016+/-0.013 χ^2/NDF:27.3/21

Right Out: 0.013+/-0.026 χ^2/NDF: 17.6/18

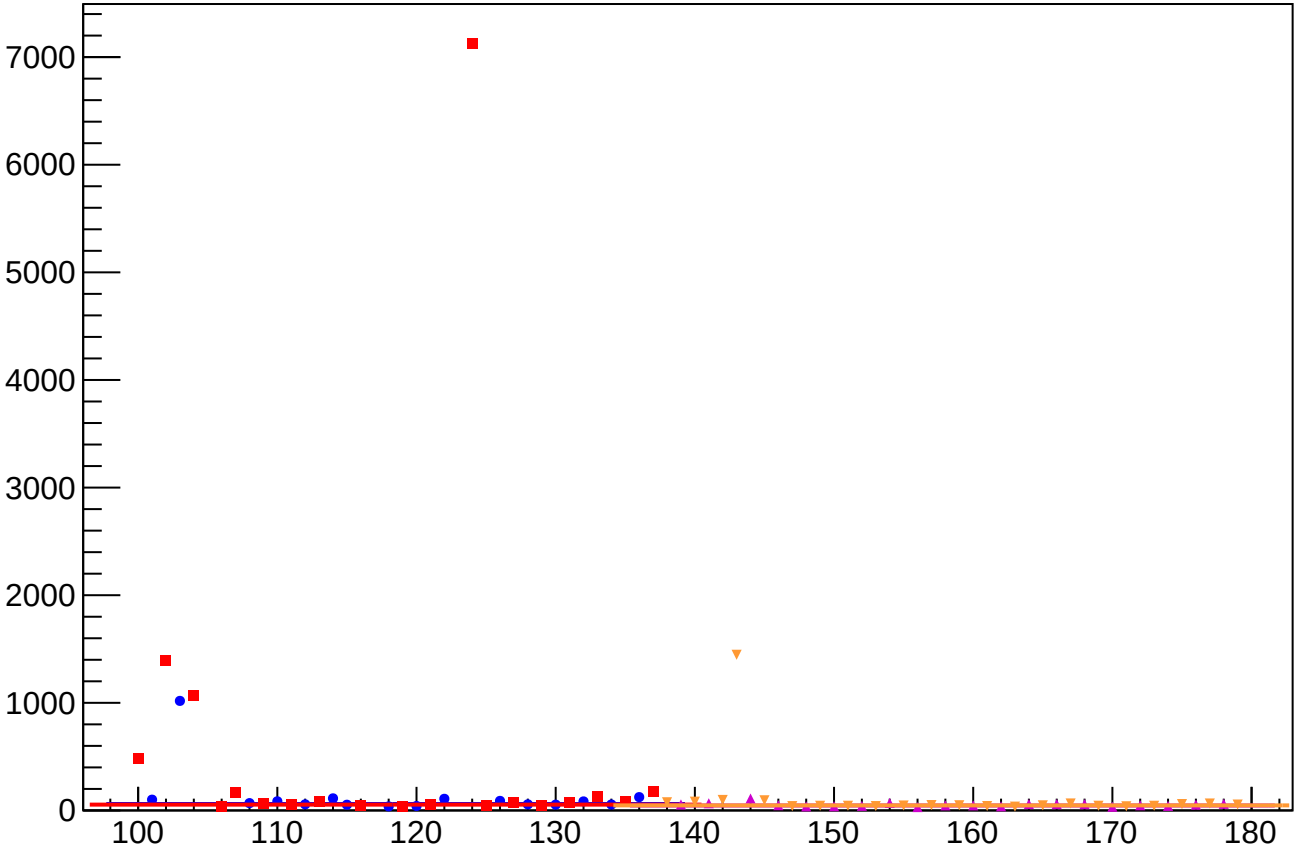
Left In: 0.009+/-0.013 χ^2/NDF:14.8/19

+ sign 0.014+/-0.012 χ^2/NDF: 38.9/37

All: 0.012+/-0.008 χ^2/NDF: 71.4/76

- sign 0.010+/-0.011 χ^2/NDF: 32.4/38

asym_at1_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 59.840+/-0.019 χ^2/NDF: 2538867.4/15

Left Out: 47.141+/-0.009 χ^2/NDF:3194788.6/21

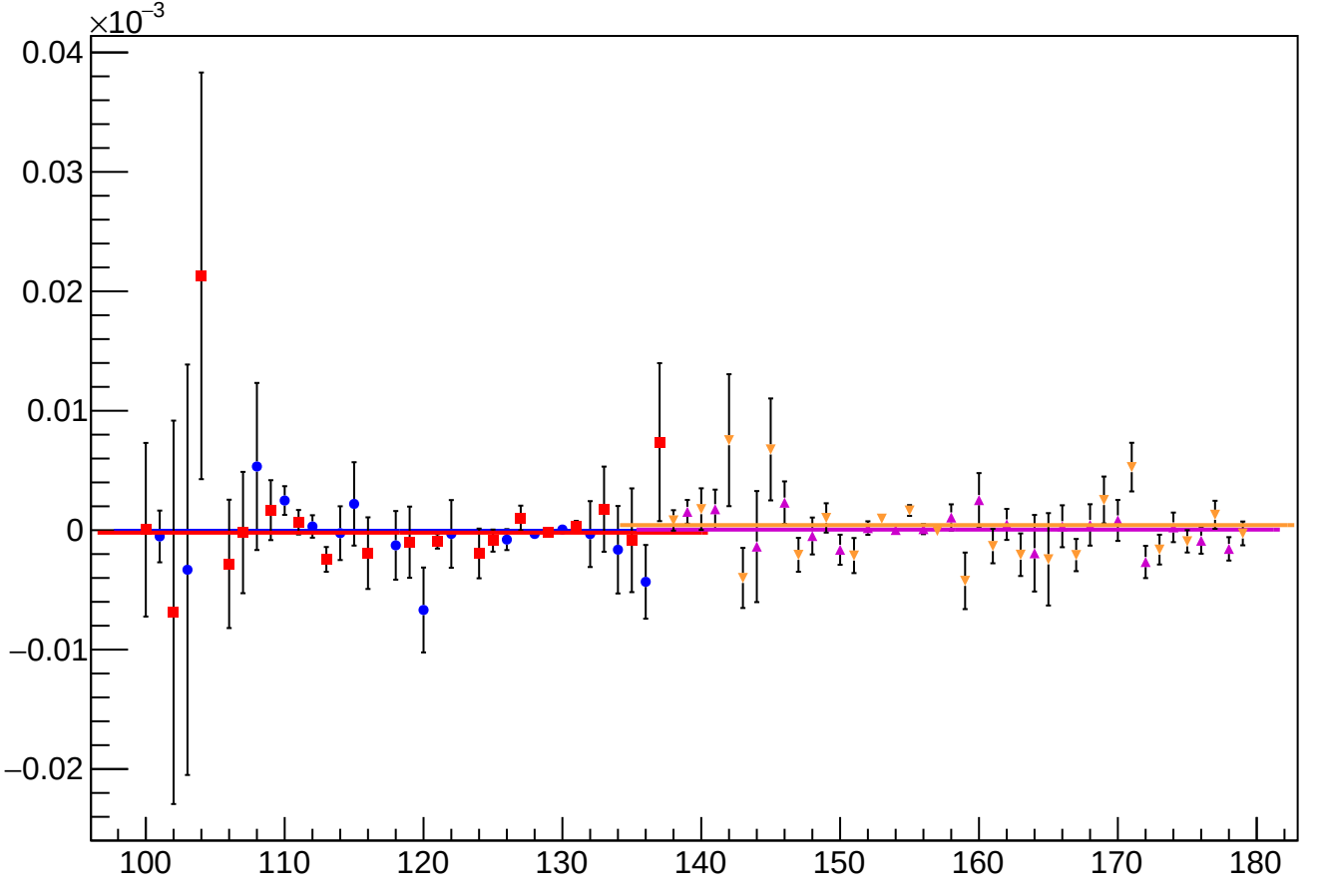
Right Out: 54.249+/-0.018 χ^2/NDF: 3521580.5/18

Left In: 46.050+/-0.009 χ^2/NDF:1802633.5/19

+ sign 49.550+/-0.008 χ^2/NDF: 6099751.3/37

All: 48.601+/-0.006 χ^2/NDF: 11611991.2/76

- sign 47.676+/-0.008 χ^2/NDF: 5485983.9/38



Right In: -0.000+/-0.000 χ^2/NDF: 12.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:48.8/21

Right Out: -0.000+/-0.000 χ^2/NDF: 15.6/18

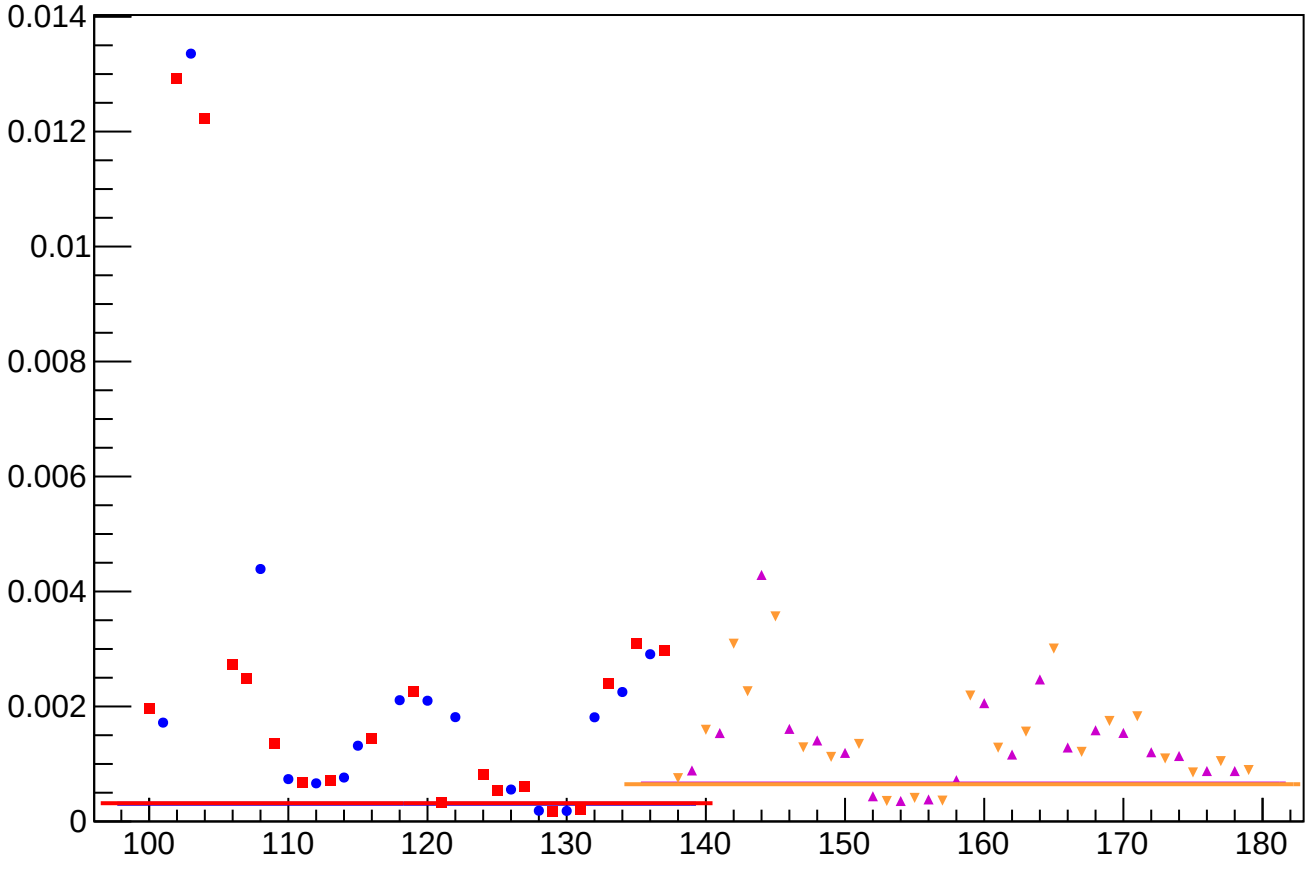
Left In: 0.000+/-0.000 χ^2/NDF:17.4/19

+ sign 0.000+/-0.000 χ^2/NDF: 64.6/37

All: 0.000+/-0.000 χ^2/NDF: 100.5/76

- sign -0.000+/-0.000 χ^2/NDF: 33.8/38

asym_at1_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 8756212.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:11494889.2/21

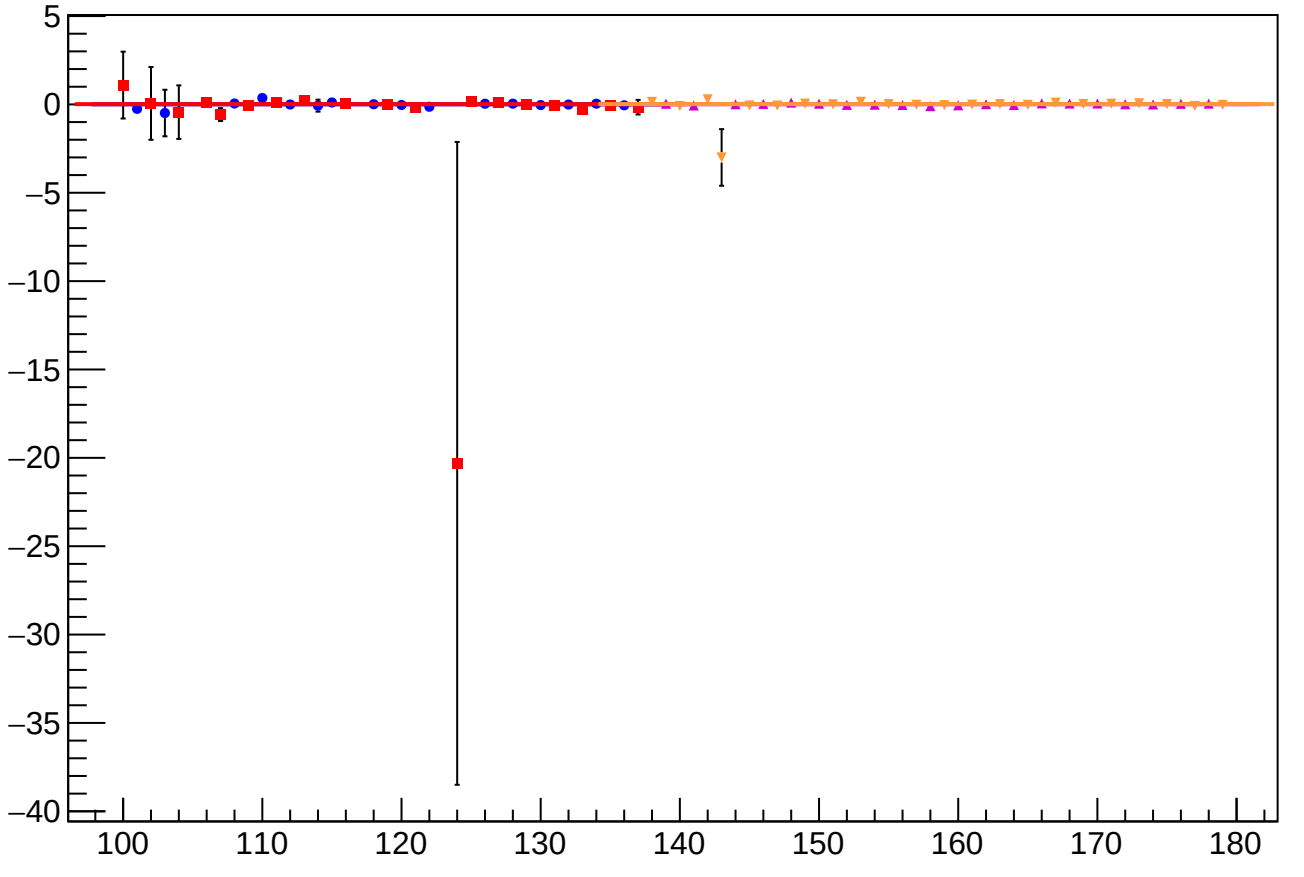
Right Out: 0.000+/-0.000 χ^2/NDF: 8015537.3/18

Left In: 0.001+/-0.000 χ^2/NDF:9587698.3/19

+ sign 0.000+/-0.000 χ^2/NDF: 23337911.4/37

All: 0.000+/-0.000 χ^2/NDF: 43919729.8/76

- sign 0.000+/-0.000 χ^2/NDF: 20581811.5/38



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.016+/-0.013 χ^2/NDF:27.3/21

Right Out: 0.013+/-0.026 χ^2/NDF: 17.6/18

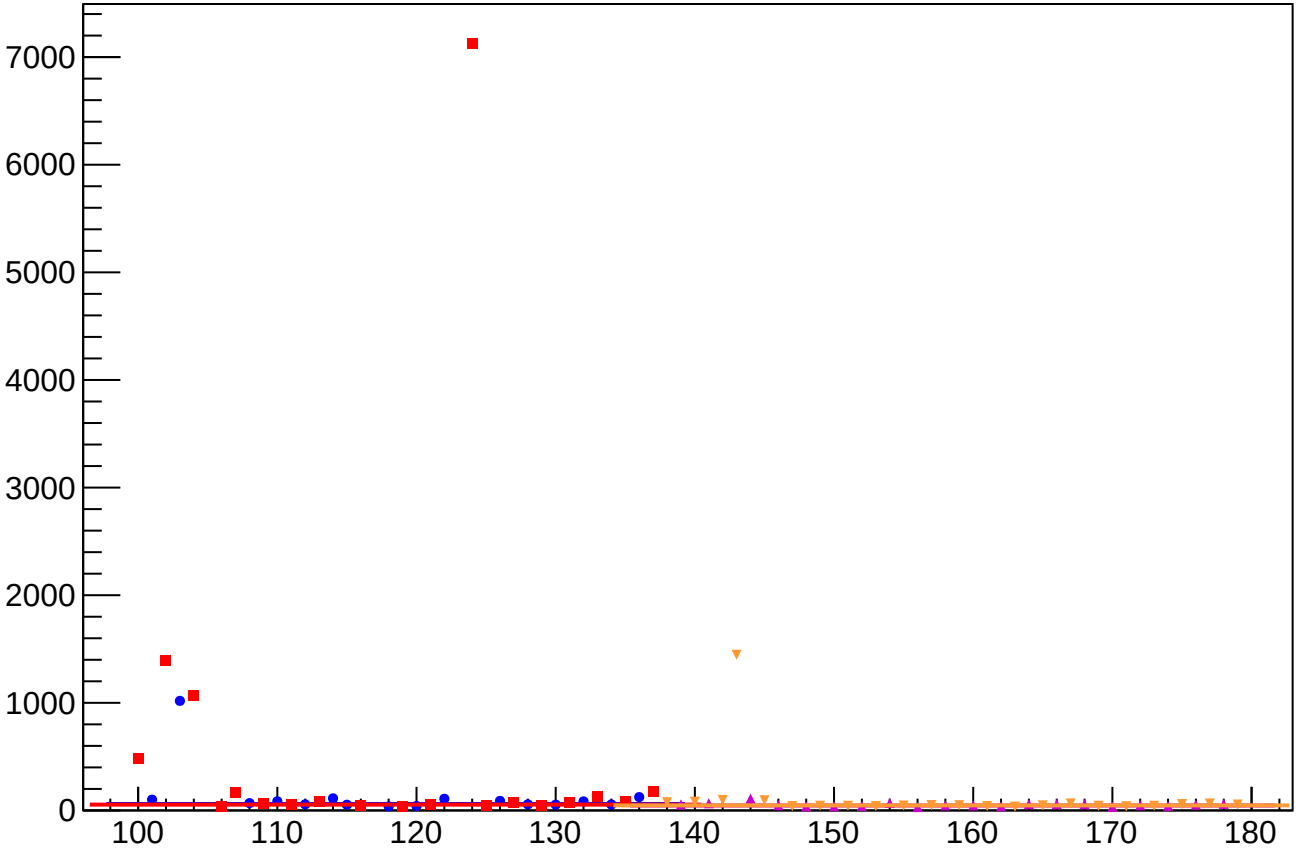
Left In: 0.009+/-0.013 χ^2/NDF:14.8/19

+ sign 0.014+/-0.012 χ^2/NDF: 38.9/37

All: 0.012+/-0.008 χ^2/NDF: 71.4/76

- sign 0.010+/-0.011 χ^2/NDF: 32.4/38

asym_at1_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 59.839+/-0.019 χ^2/NDF: 2538881.2/15

Left Out: 47.141+/-0.009 χ^2/NDF:3194767.4/21

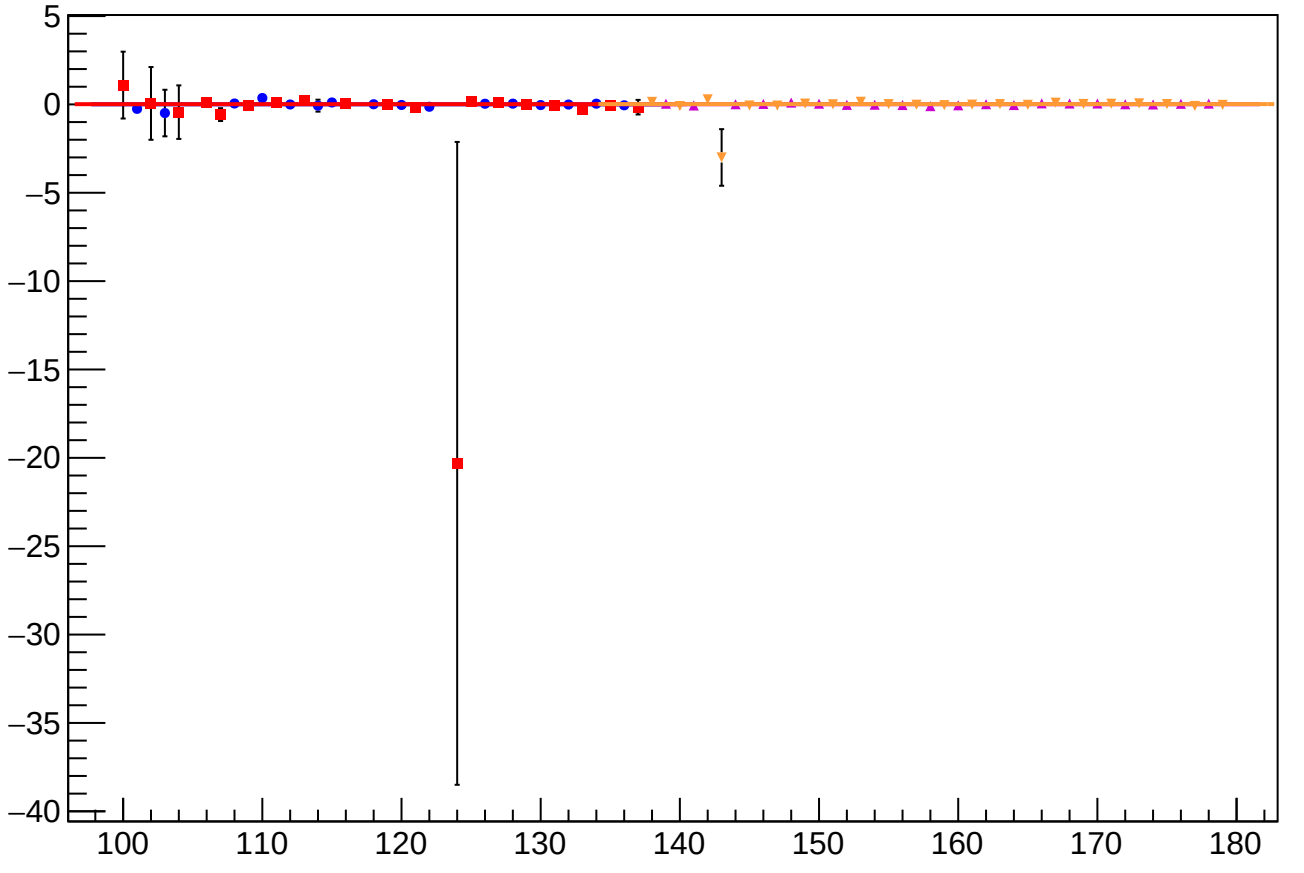
Right Out: 54.248+/-0.018 χ^2/NDF: 3521640.4/18

Left In: 46.050+/-0.009 χ^2/NDF:1802630.3/19

+ sign 49.550+/-0.008 χ^2/NDF: 6099720.7/37

All: 48.601+/-0.006 χ^2/NDF: 11611989.6/76

- sign 47.676+/-0.008 χ^2/NDF: 5486003.2/38



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.016+/-0.013 χ^2/NDF:27.3/21

Right Out: 0.013+/-0.026 χ^2/NDF: 17.6/18

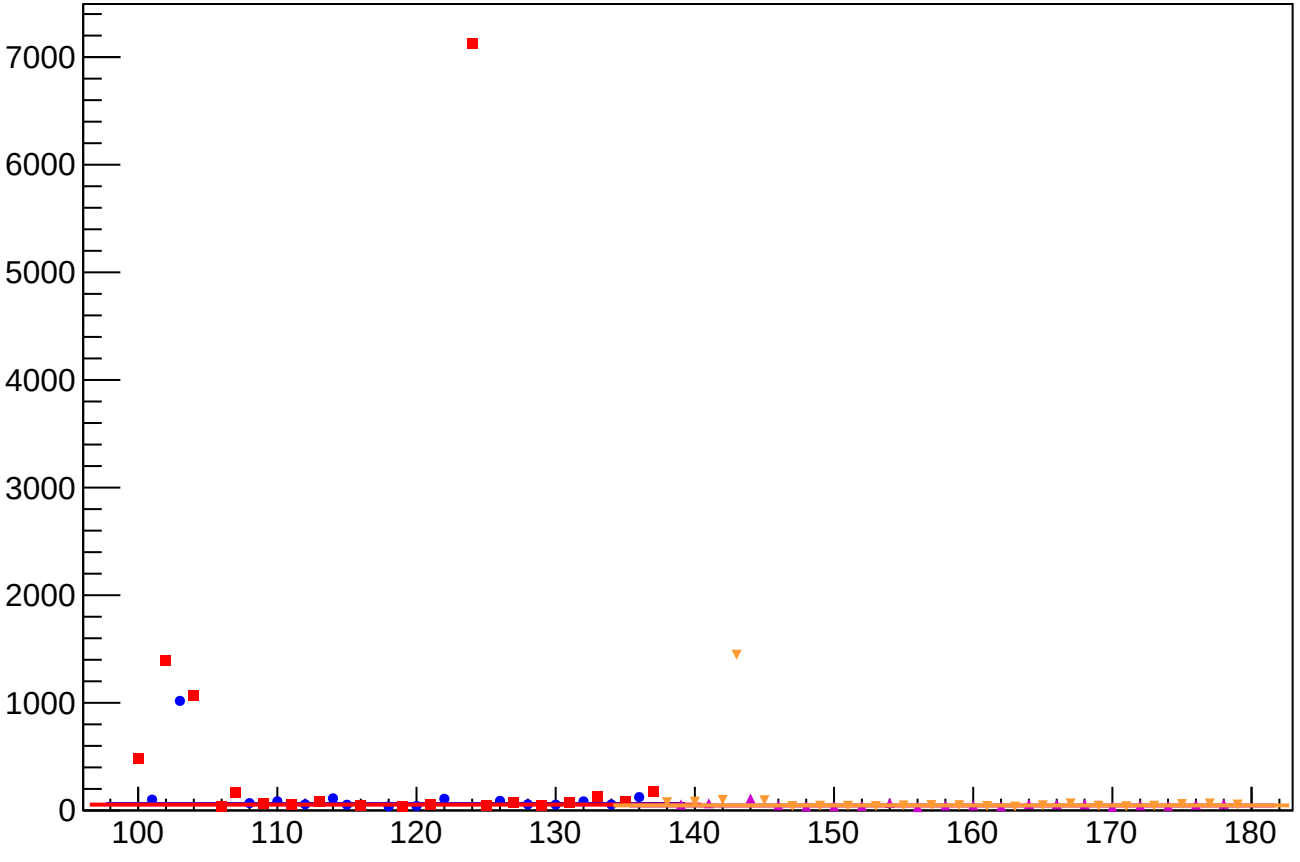
Left In: 0.009+/-0.013 χ^2/NDF:14.8/19

+ sign 0.014+/-0.012 χ^2/NDF: 38.9/37

All: 0.012+/-0.008 χ^2/NDF: 71.4/76

- sign 0.010+/-0.011 χ^2/NDF: 32.4/38

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 59.839+/-0.019 χ^2/NDF: 2538881.2/15

Left Out: 47.141+/-0.009 χ^2/NDF:3194767.4/21

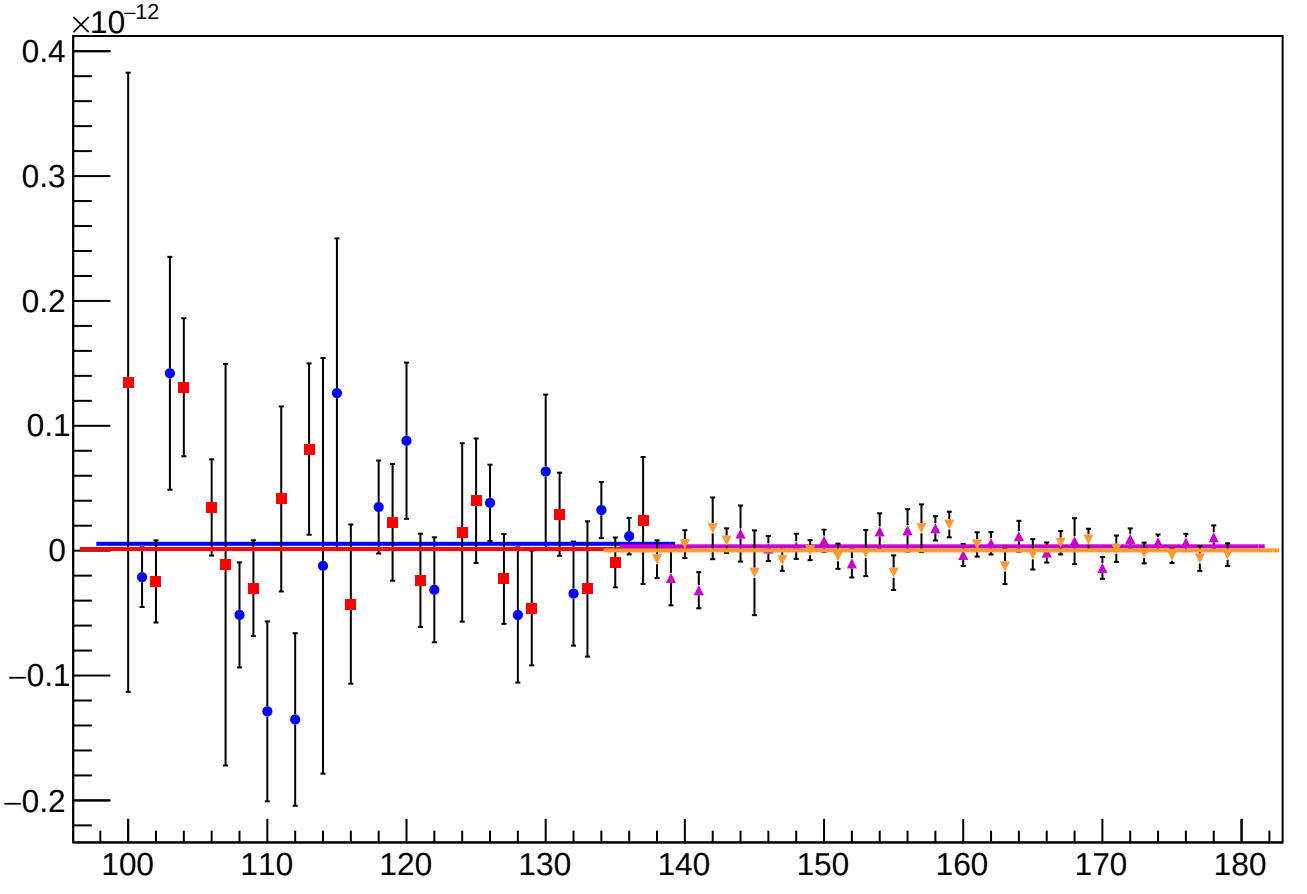
Right Out: 54.248+/-0.018 χ^2/NDF: 3521640.4/18

Left In: 46.050+/-0.009 χ^2/NDF:1802630.3/19

+ sign 49.550+/-0.008 χ^2/NDF: 6099720.7/37

All: 48.601+/-0.006 χ^2/NDF: 11611989.6/76

- sign 47.676+/-0.008 χ^2/NDF: 5486003.2/38



Right In: 0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.2/21

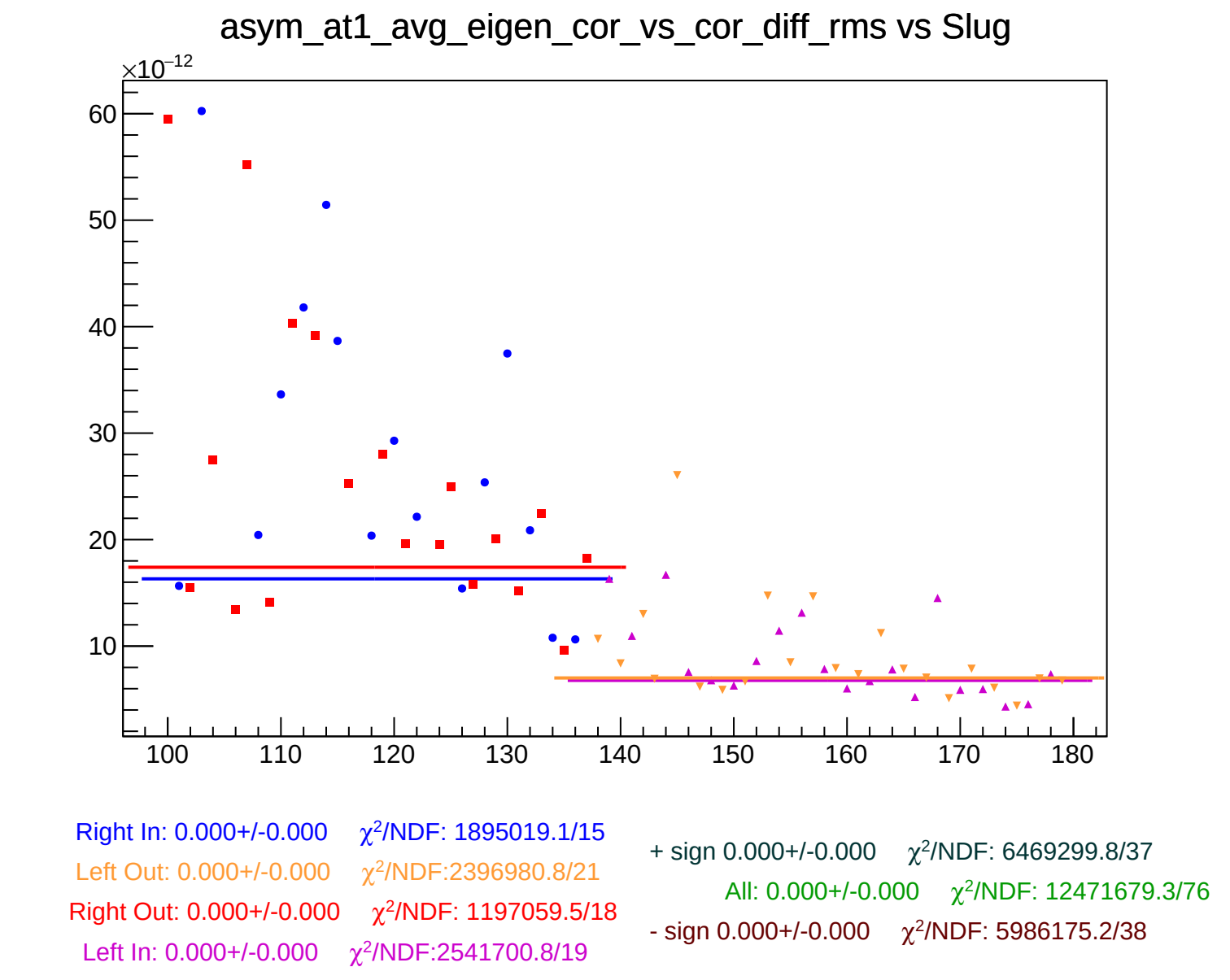
Right Out: 0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: 0.000+/-0.000 χ^2/NDF:19.7/19

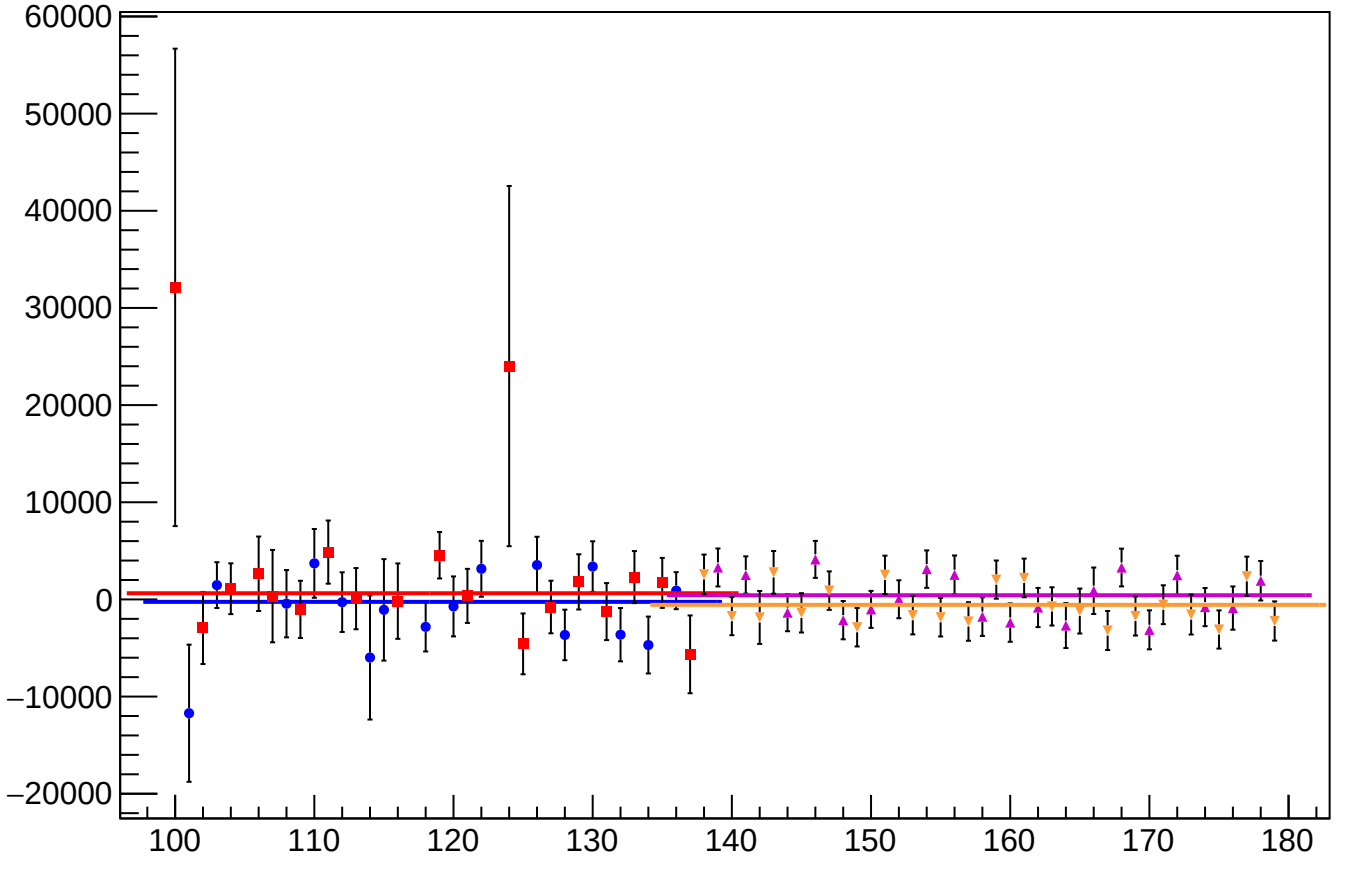
+ sign 0.000+/-0.000 χ^2/NDF: 36.2/37

All: 0.000+/-0.000 χ^2/NDF: 71.1/76

- sign 0.000+/-0.000 χ^2/NDF: 34.0/38


asym_at1_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
60
50
40
30
20
10
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1895019.1/15
Left Out: 0.000+/-0.000 χ²/NDF:2396980.8/21
Right Out: 0.000+/-0.000 χ²/NDF: 1197059.5/18
Left In: 0.000+/-0.000 χ²/NDF:2541700.8/19
+ sign 0.000+/-0.000 χ²/NDF: 6469299.8/37
All: 0.000+/-0.000 χ²/NDF: 12471679.3/76
- sign 0.000+/-0.000 χ²/NDF: 5986175.2/38

reg_asym_at1_dd_mean vs Slug



Right In: -251.297+/-735.111 χ^2/NDF: 17.3/15

Left Out: -556.482+/-434.276 χ^2/NDF:21.7/21

Right Out: 636.082+/-735.477 χ^2/NDF: 15.9/18

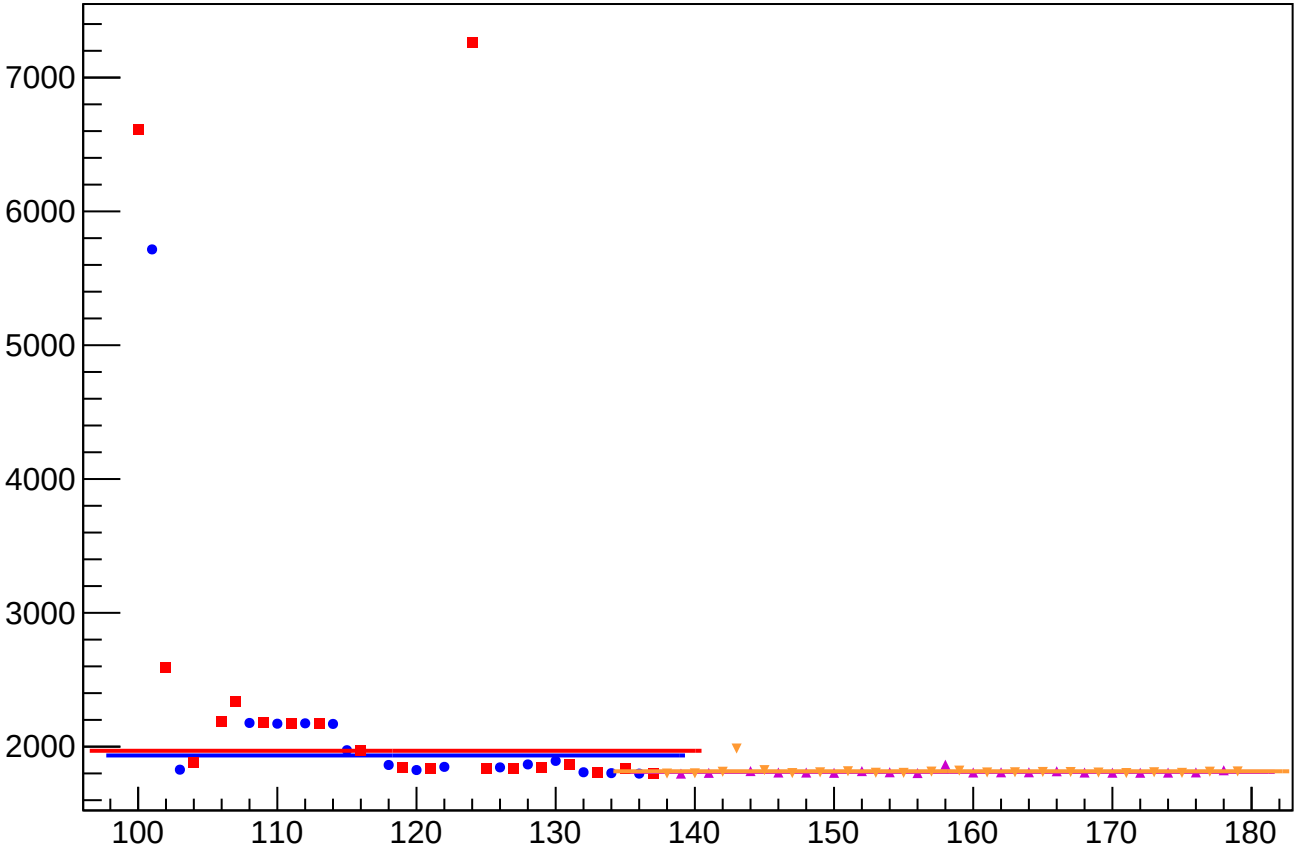
Left In: 431.618+/-448.033 χ^2/NDF:26.5/19

\+ sign -477.528+/-373.904 χ^2/NDF: 39.1/37

All: -6.407+/-267.421 χ^2/NDF: 84.8/76

\- sign 486.957+/-382.628 χ^2/NDF: 42.4/38

reg_asym_at1_dd_rms vs Slug



Right In: 1934.217+/-0.520 χ^2/NDF: 639920.0/15

Left Out: 1815.927+/-0.307 χ^2/NDF:12854.8/21

Right Out: 1969.204+/-0.520 χ^2/NDF: 378378.8/18

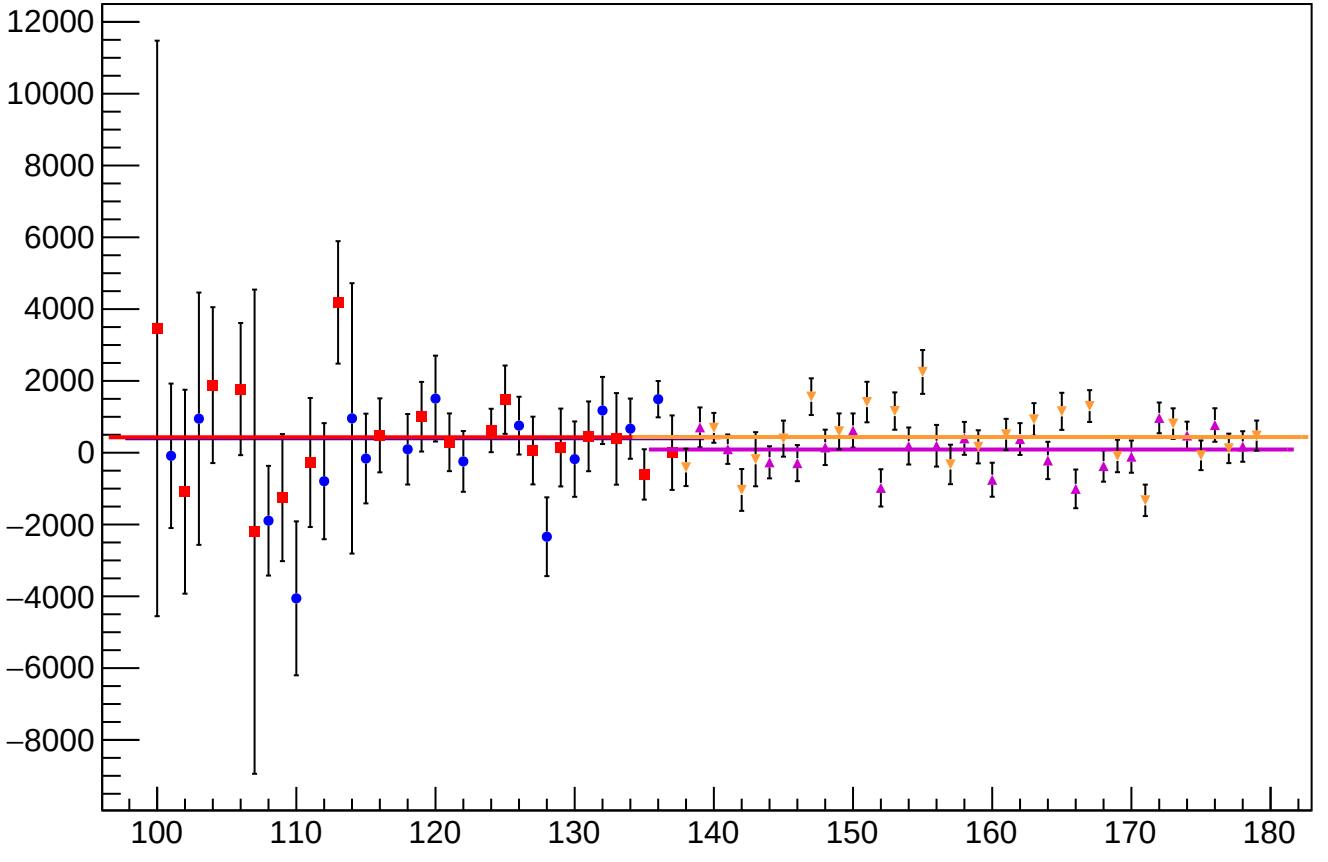
Left In: 1811.383+/-0.317 χ^2/NDF:1882.2/19

+ sign 1846.529+/-0.264 χ^2/NDF: 691163.9/37

All: 1850.226+/-0.189 χ^2/NDF: 1138992.3/76

- sign 1854.098+/-0.271 χ^2/NDF: 447428.1/38

asym_at1_dd_reg_correction_mean vs Slug



Right In: 402.626+/-258.574 χ^2/NDF: 21.1/15

Left Out: 436.509+/-102.312 χ^2/NDF:58.4/21

Right Out: 430.066+/-252.823 χ^2/NDF: 11.7/18

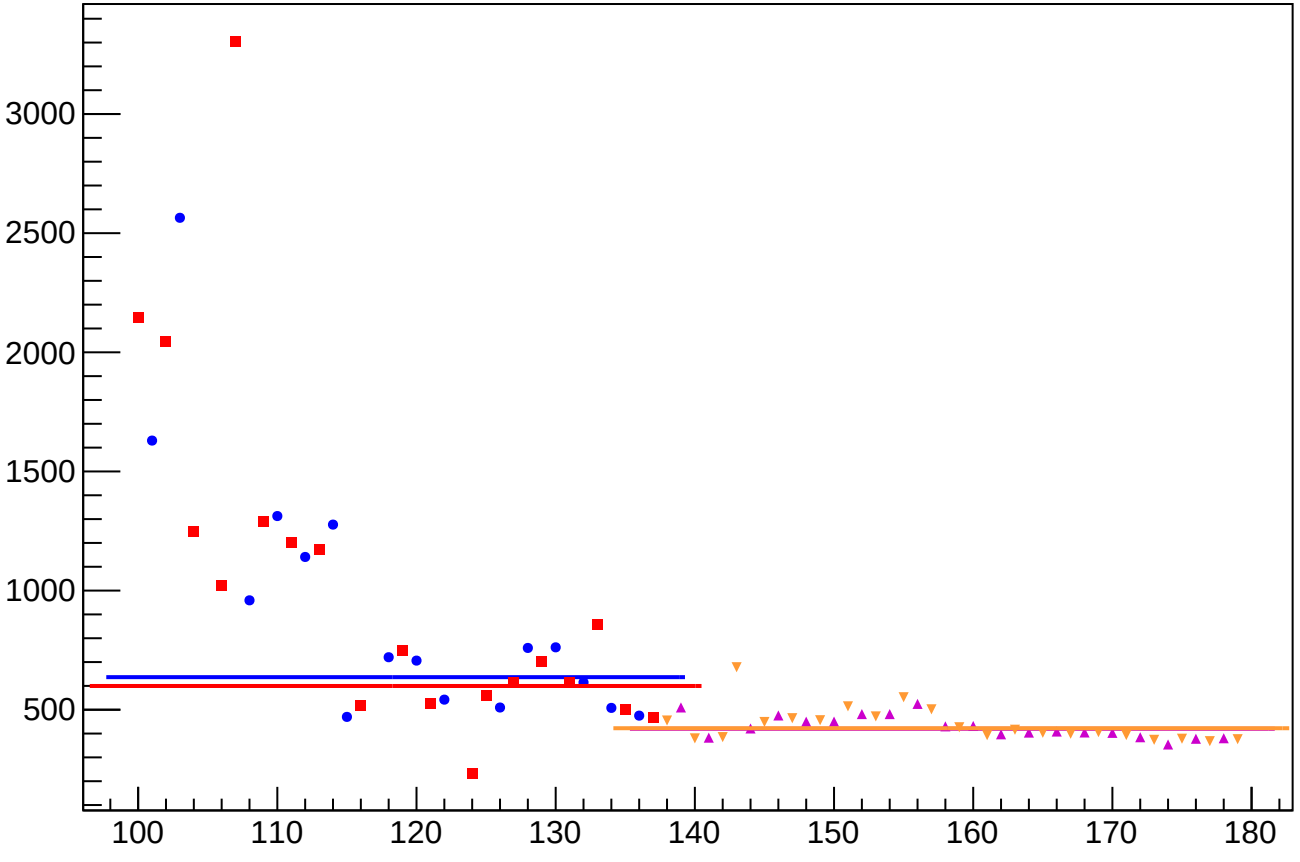
Left In: 89.166+/-104.773 χ^2/NDF:25.3/19

\+ sign 431.923+/-95.136 χ^2/NDF: 79.5/37

All: 288.051+/-67.849 χ^2/NDF: 122.7/76

\- sign 139.130+/-96.790 χ^2/NDF: 38.6/38

asym_at1_dd_reg_correction_rms vs Slug



Right In: 636.700+/-0.183 χ^2/NDF: 2066891.4/15

Left Out: 422.337+/-0.072 χ^2/NDF:635794.4/21

Right Out: 599.631+/-0.179 χ^2/NDF: 2944100.6/18

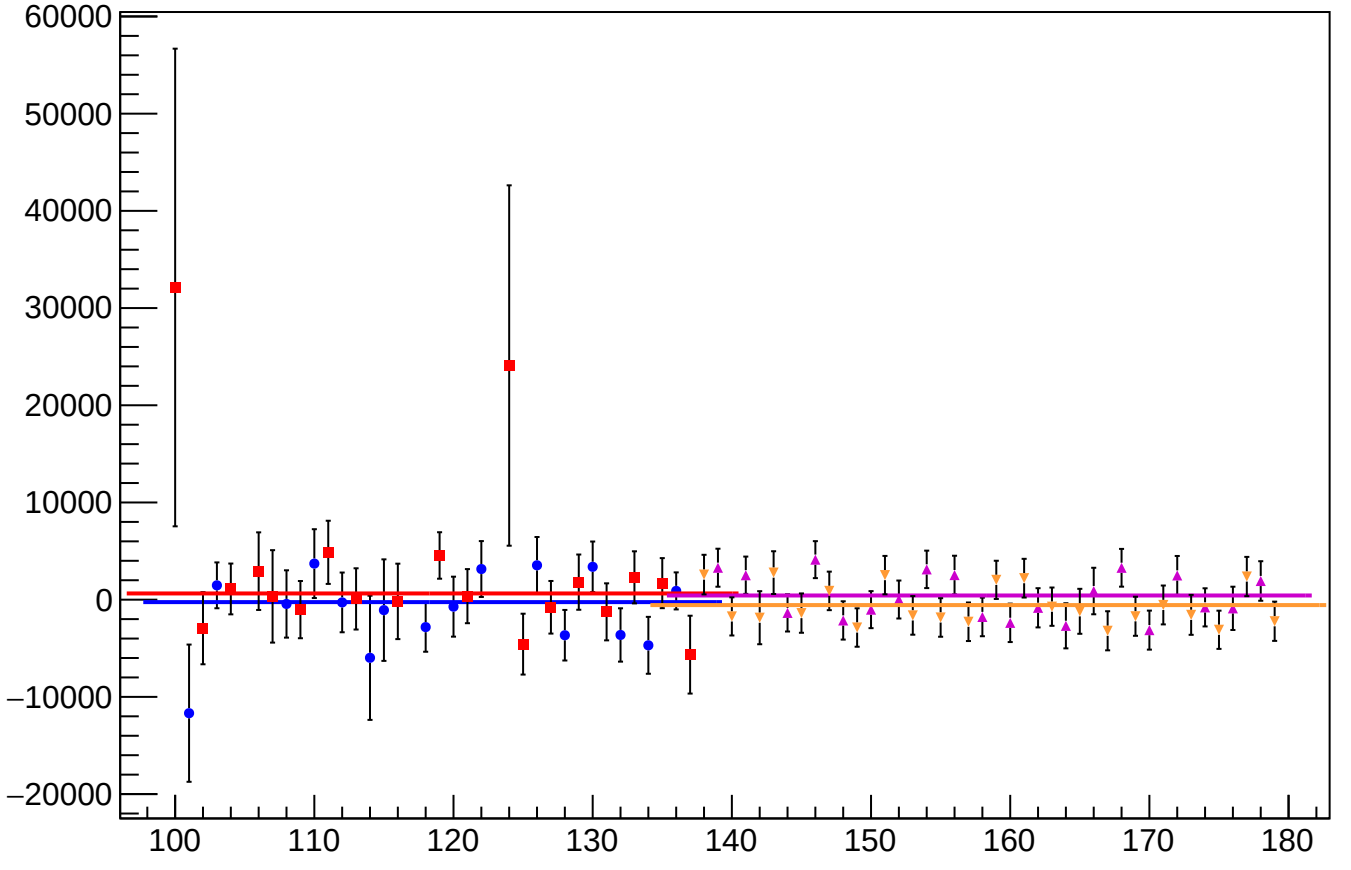
Left In: 420.016+/-0.074 χ^2/NDF:352018.9/19

+ sign 451.355+/-0.067 χ^2/NDF: 3891164.6/37

All: 448.891+/-0.048 χ^2/NDF: 8051506.7/76

- sign 446.341+/-0.068 χ^2/NDF: 4157612.9/38

cor_asym_at1_dd_mean vs Slug



Right In: -250.487+/-735.112 χ^2/NDF: 17.2/15

Left Out: -556.503+/-434.276 χ^2/NDF:21.7/21

Right Out: 640.865+/-736.549 χ^2/NDF: 16.0/18

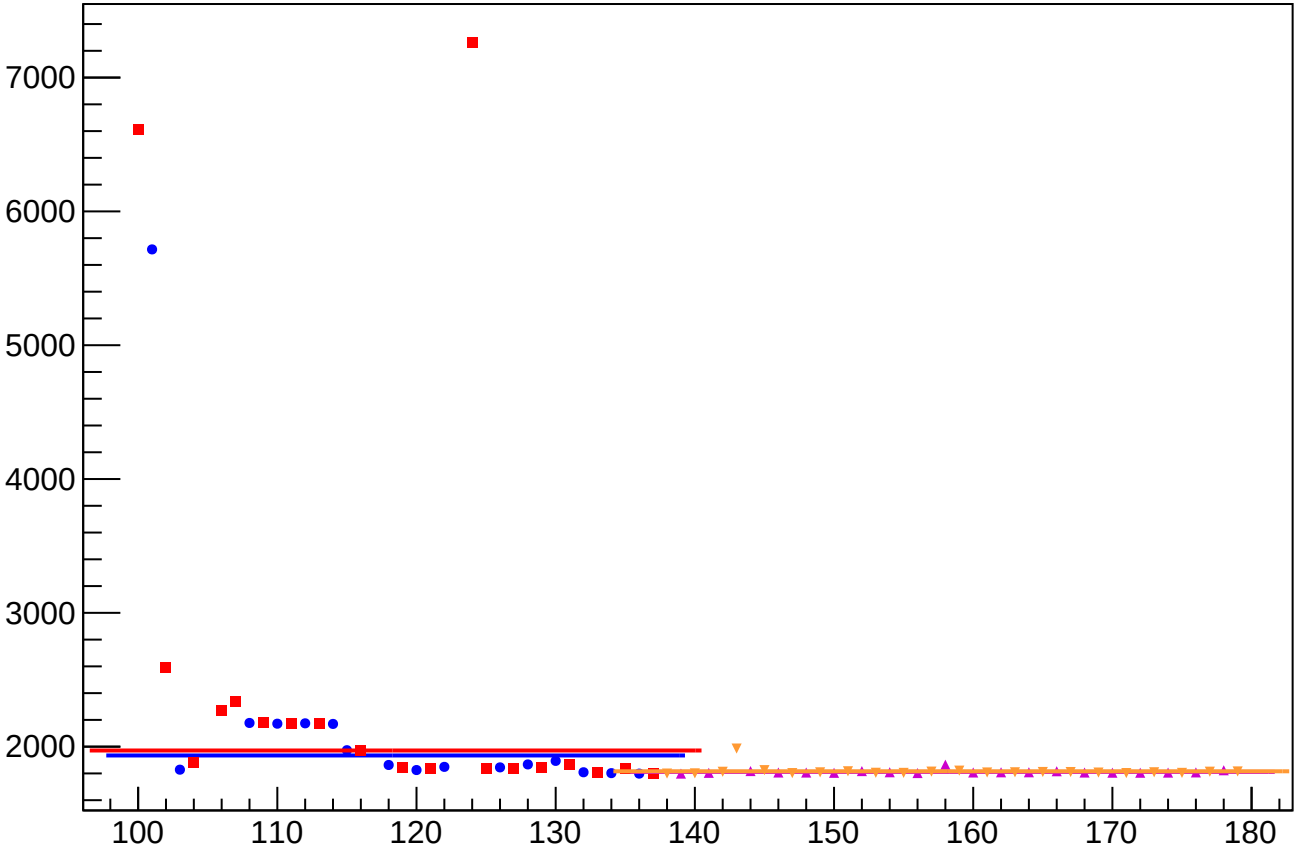
Left In: 431.633+/-448.033 χ^2/NDF:26.5/19

+ sign -477.334+/-373.904 χ^2/NDF: 39.1/37

All: -5.918+/-267.472 χ^2/NDF: 84.9/76

- sign 488.142+/-382.779 χ^2/NDF: 42.5/38

cor_asym_at1_dd_rms vs Slug



Right In: 1934.217+/-0.520 χ^2/NDF: 639919.9/15

Left Out: 1815.927+/-0.307 χ^2/NDF:12854.8/21

Right Out: 1971.357+/-0.521 χ^2/NDF: 383176.6/18

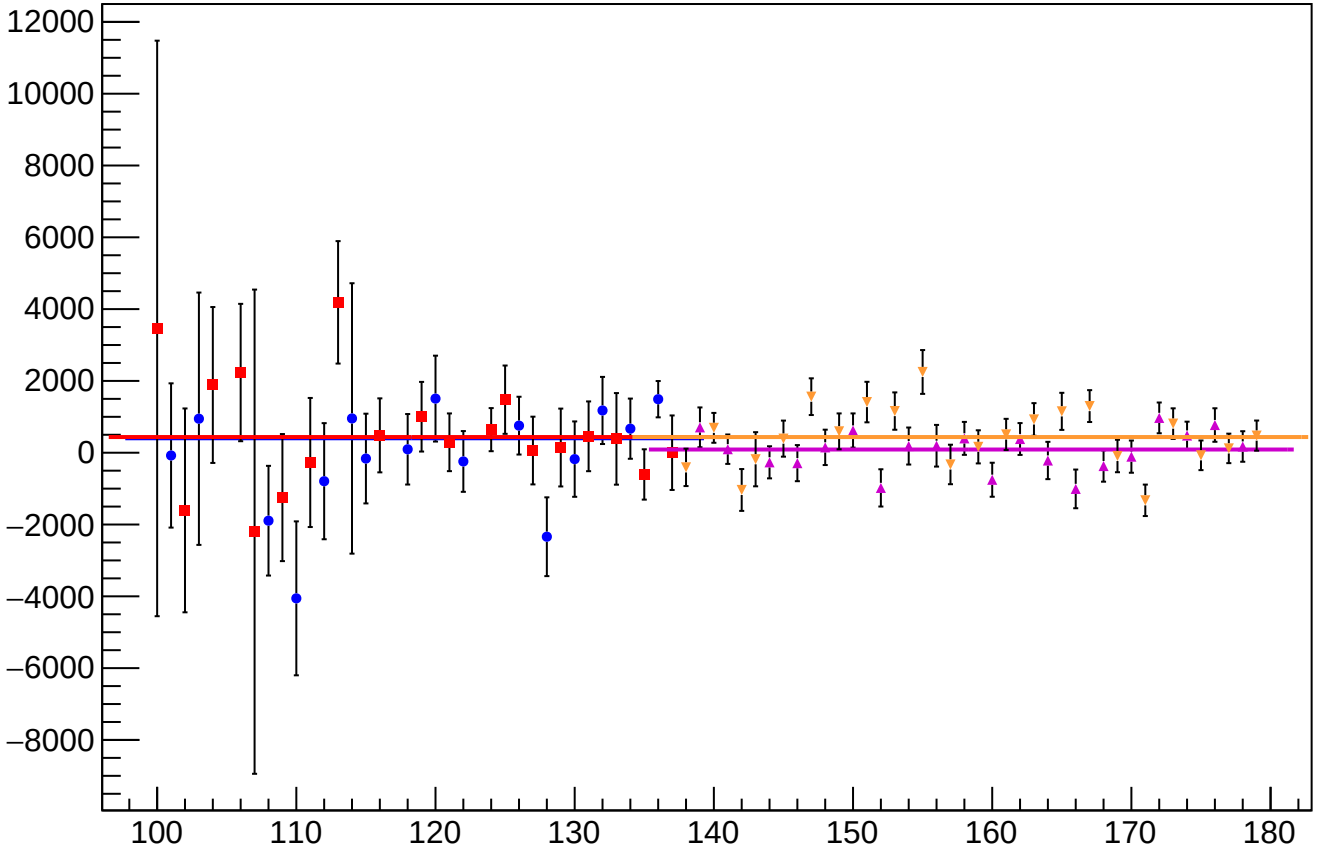
Left In: 1811.383+/-0.317 χ^2/NDF:1882.2/19

+ sign 1846.529+/-0.264 χ^2/NDF: 691163.8/37

All: 1850.465+/-0.189 χ^2/NDF: 1145541.7/76

- sign 1854.589+/-0.271 χ^2/NDF: 453924.2/38

asym_at1_dd_cor_correction_mean vs Slug



Right In: 402.701+/-258.564 χ^2/NDF: 21.1/15

Left Out: 436.520+/-102.312 χ^2/NDF:58.4/21

Right Out: 436.691+/-252.672 χ^2/NDF: 12.4/18

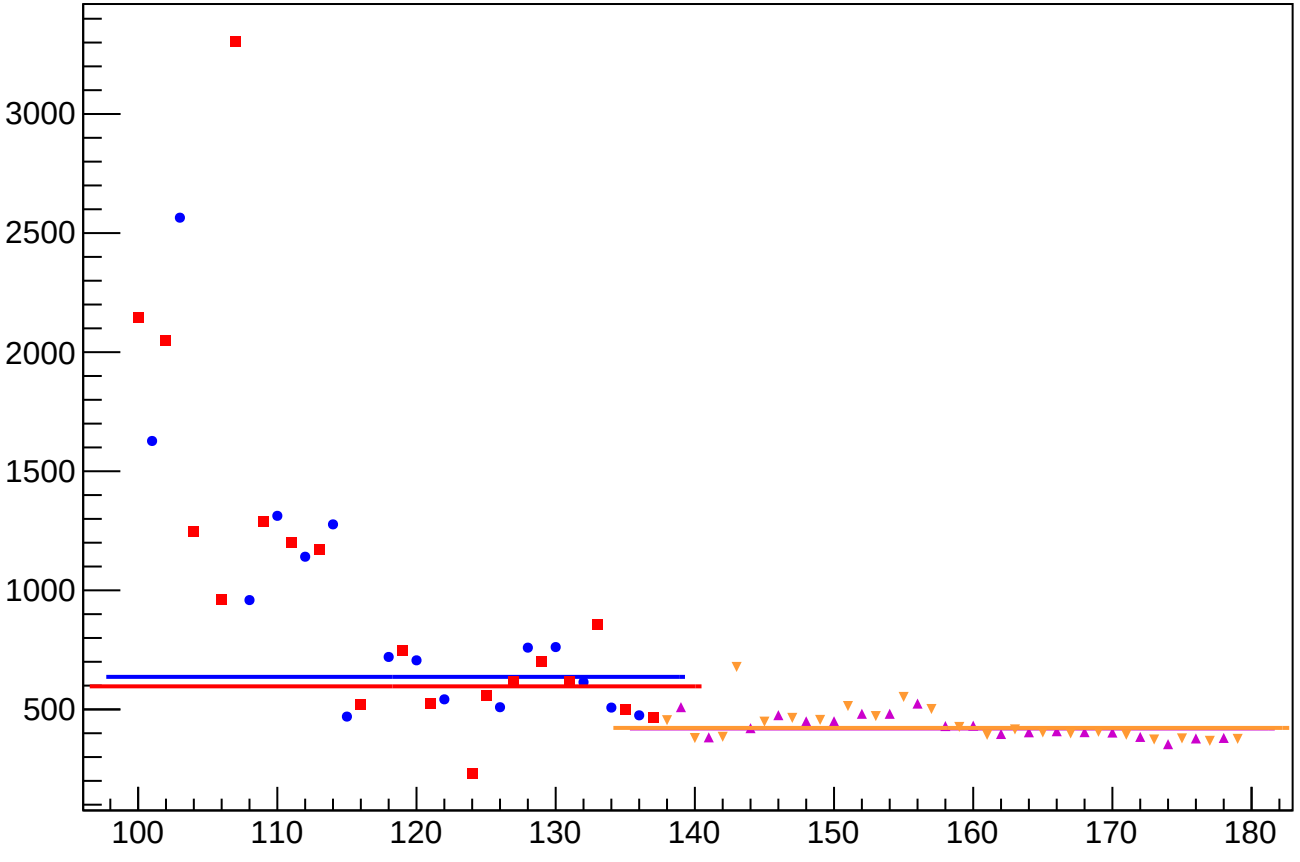
Left In: 89.165+/-104.771 χ^2/NDF:25.3/19

+ sign 431.942+/-95.135 χ^2/NDF: 79.5/37

All: 288.549+/-67.845 χ^2/NDF: 123.4/76

- sign 140.151+/-96.781 χ^2/NDF: 39.3/38

asym_at1_dd_cor_correction_rms vs Slug



Right In: 636.698+/-0.183 χ^2/NDF: 2066022.1/15

Left Out: 422.336+/-0.072 χ^2/NDF:635769.9/21

Right Out: 596.862+/-0.179 χ^2/NDF: 2930443.7/18

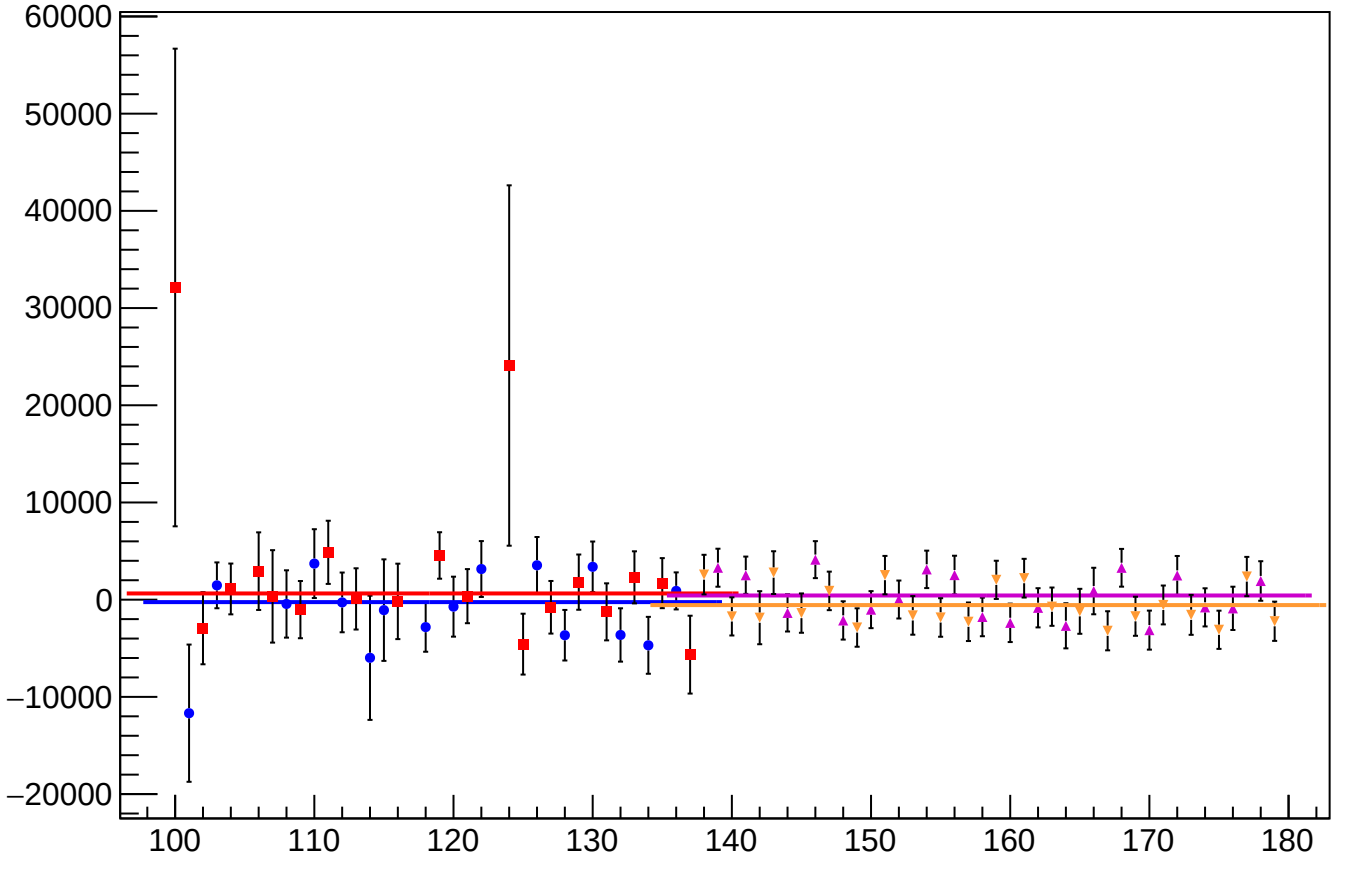
Left In: 420.011+/-0.074 χ^2/NDF:352061.4/19

+ sign 451.356+/-0.067 χ^2/NDF: 3890337.8/37

All: 448.703+/-0.048 χ^2/NDF: 8012046.6/76

- sign 445.957+/-0.068 χ^2/NDF: 4118542.9/38

eigen_cor_asym_at1_dd_mean vs Slug



Right In: -250.487+/-735.112 χ^2/NDF: 17.2/15

Left Out: -556.503+/-434.276 χ^2/NDF:21.7/21

Right Out: 640.865+/-736.549 χ^2/NDF: 16.0/18

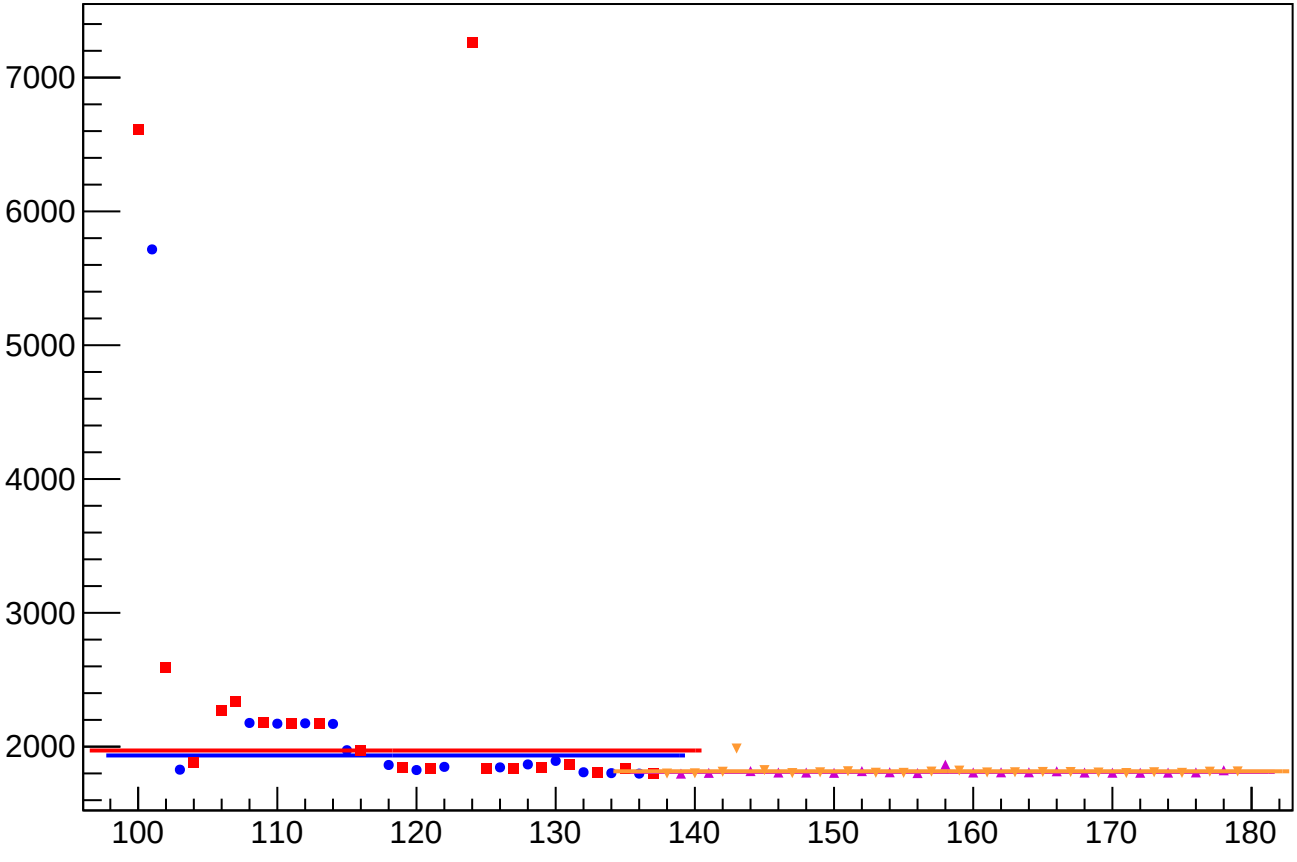
Left In: 431.633+/-448.033 χ^2/NDF:26.5/19

+ sign -477.334+/-373.904 χ^2/NDF: 39.1/37

All: -5.918+/-267.472 χ^2/NDF: 84.9/76

- sign 488.142+/-382.779 χ^2/NDF: 42.5/38

eigen_cor_asym_at1_dd_rms vs Slug



Right In: 1934.217+/-0.520 χ^2/NDF: 639919.9/15

Left Out: 1815.927+/-0.307 χ^2/NDF:12854.8/21

Right Out: 1971.357+/-0.521 χ^2/NDF: 383176.6/18

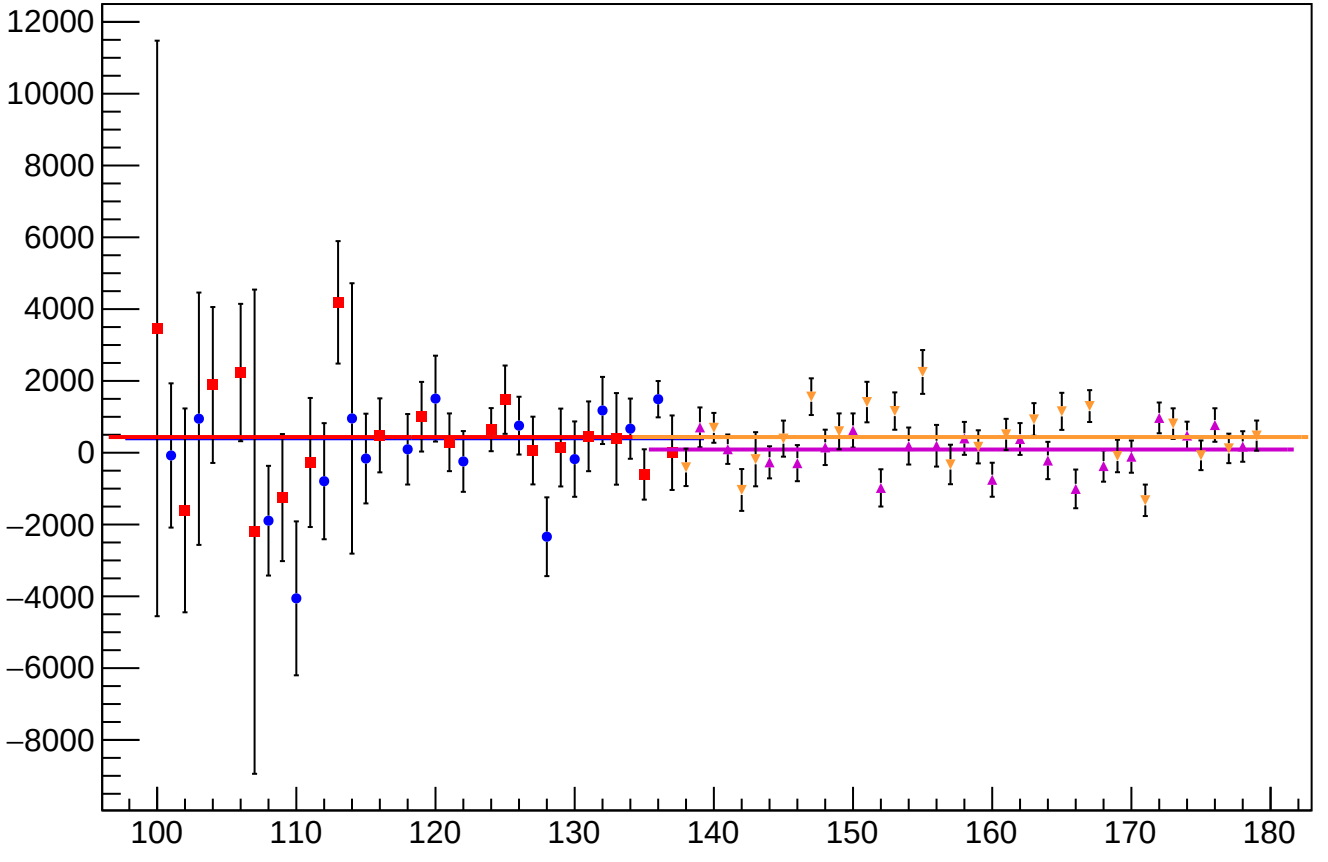
Left In: 1811.383+/-0.317 χ^2/NDF:1882.2/19

+ sign 1846.529+/-0.264 χ^2/NDF: 691163.8/37

All: 1850.465+/-0.189 χ^2/NDF: 1145541.7/76

- sign 1854.589+/-0.271 χ^2/NDF: 453924.2/38

asym_at1_dd_eigen_cor_correction_mean vs Slug



Right In: 402.701+/-258.564 χ^2/NDF: 21.1/15

Left Out: 436.520+/-102.312 χ^2/NDF:58.4/21

Right Out: 436.691+/-252.672 χ^2/NDF: 12.4/18

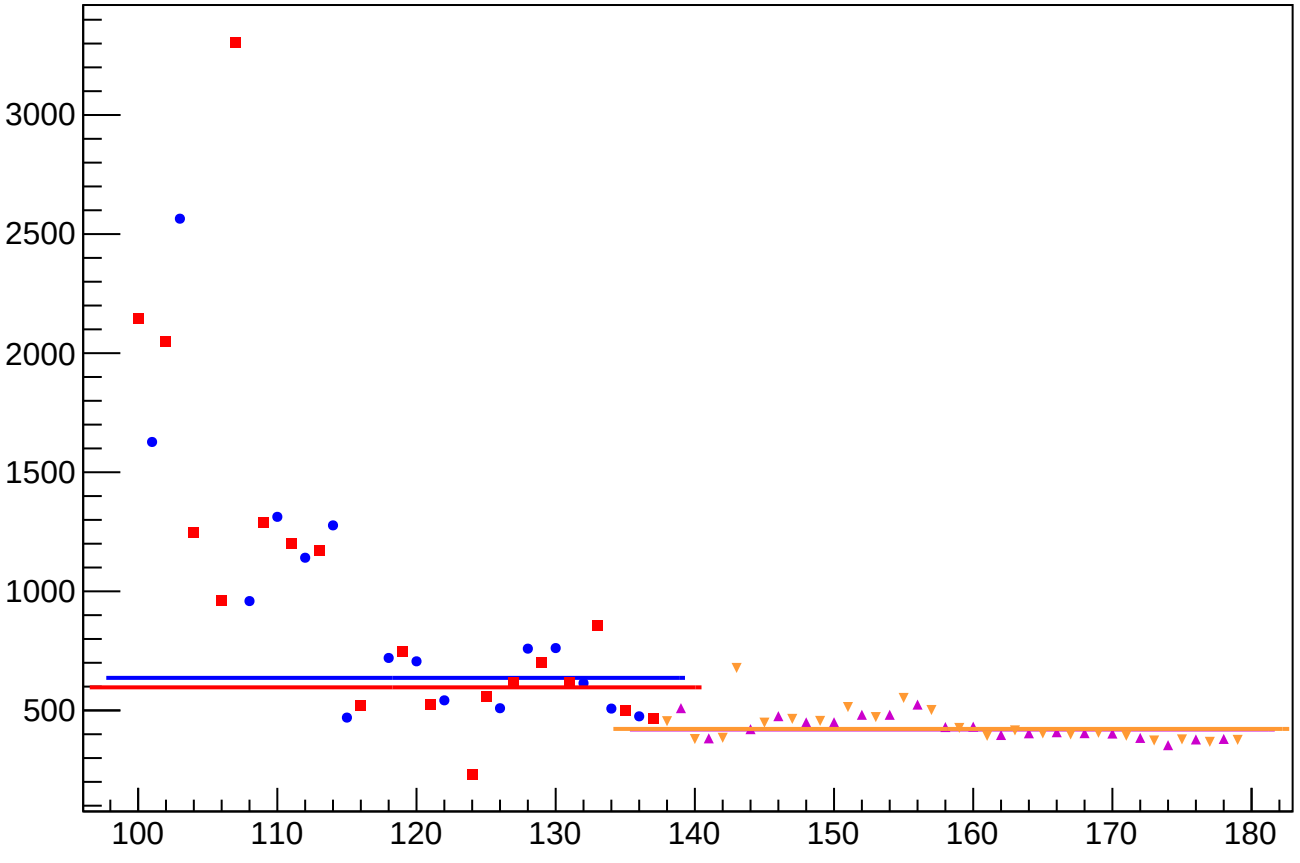
Left In: 89.165+/-104.771 χ^2/NDF:25.3/19

+ sign 431.942+/-95.135 χ^2/NDF: 79.5/37

All: 288.549+/-67.845 χ^2/NDF: 123.4/76

- sign 140.151+/-96.781 χ^2/NDF: 39.3/38

asym_at1_dd_eigen_cor_correction_rms vs Slug



Right In: 636.698+/-0.183 χ^2/NDF: 2066022.1/15

Left Out: 422.336+/-0.072 χ^2/NDF:635769.9/21

Right Out: 596.862+/-0.179 χ^2/NDF: 2930443.7/18

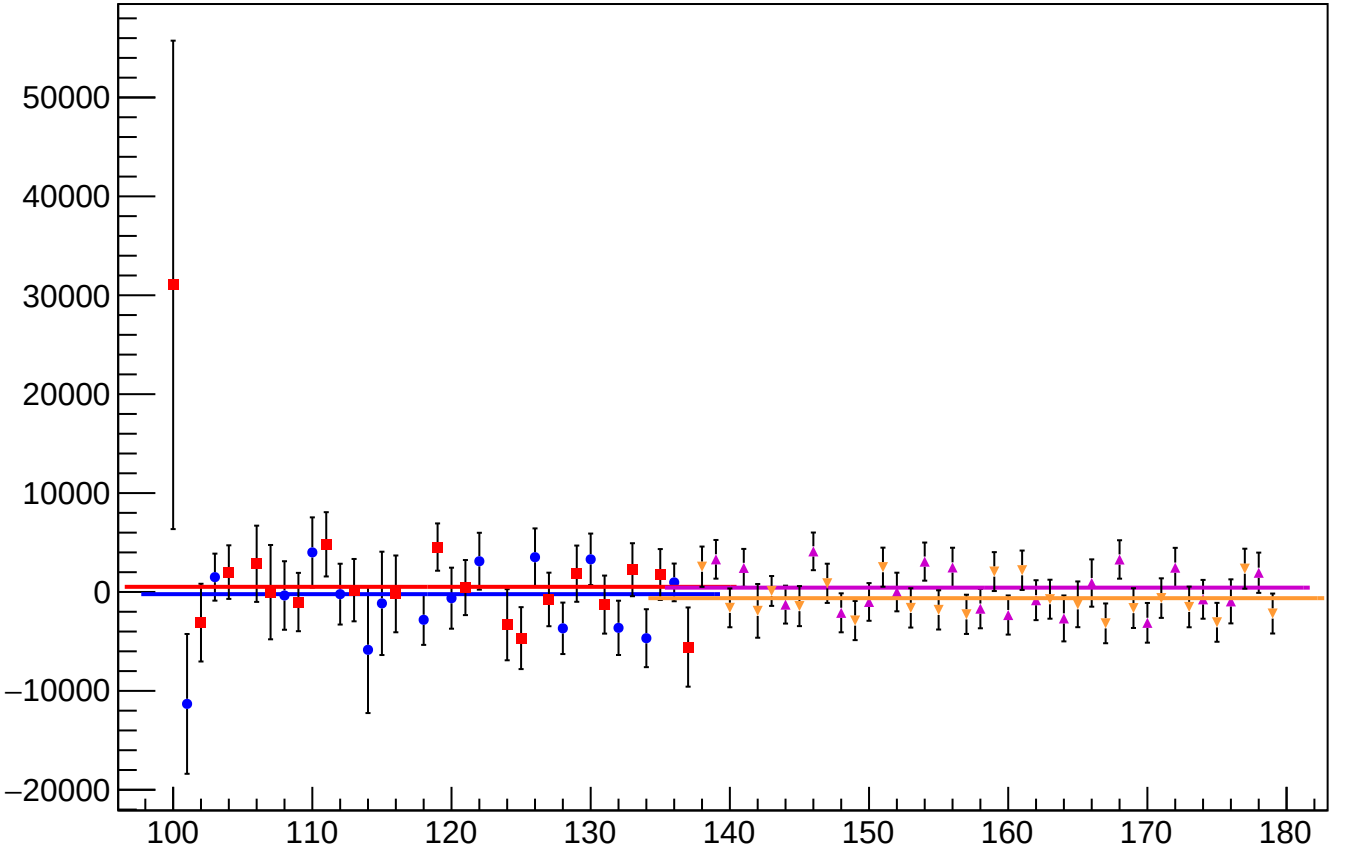
Left In: 420.011+/-0.074 χ^2/NDF:352061.4/19

+ sign 451.356+/-0.067 χ^2/NDF: 3890337.8/37

All: 448.703+/-0.048 χ^2/NDF: 8012046.6/76

- sign 445.957+/-0.068 χ^2/NDF: 4118542.9/38

dit_asym_at1_dd_mean vs Slug



Right In: -220.393+/-735.888 χ^2/NDF: 17.1/15

Left Out: -626.625+/-425.175 χ^2/NDF:19.3/21

Right Out: 520.265+/-724.980 χ^2/NDF: 15.6/18

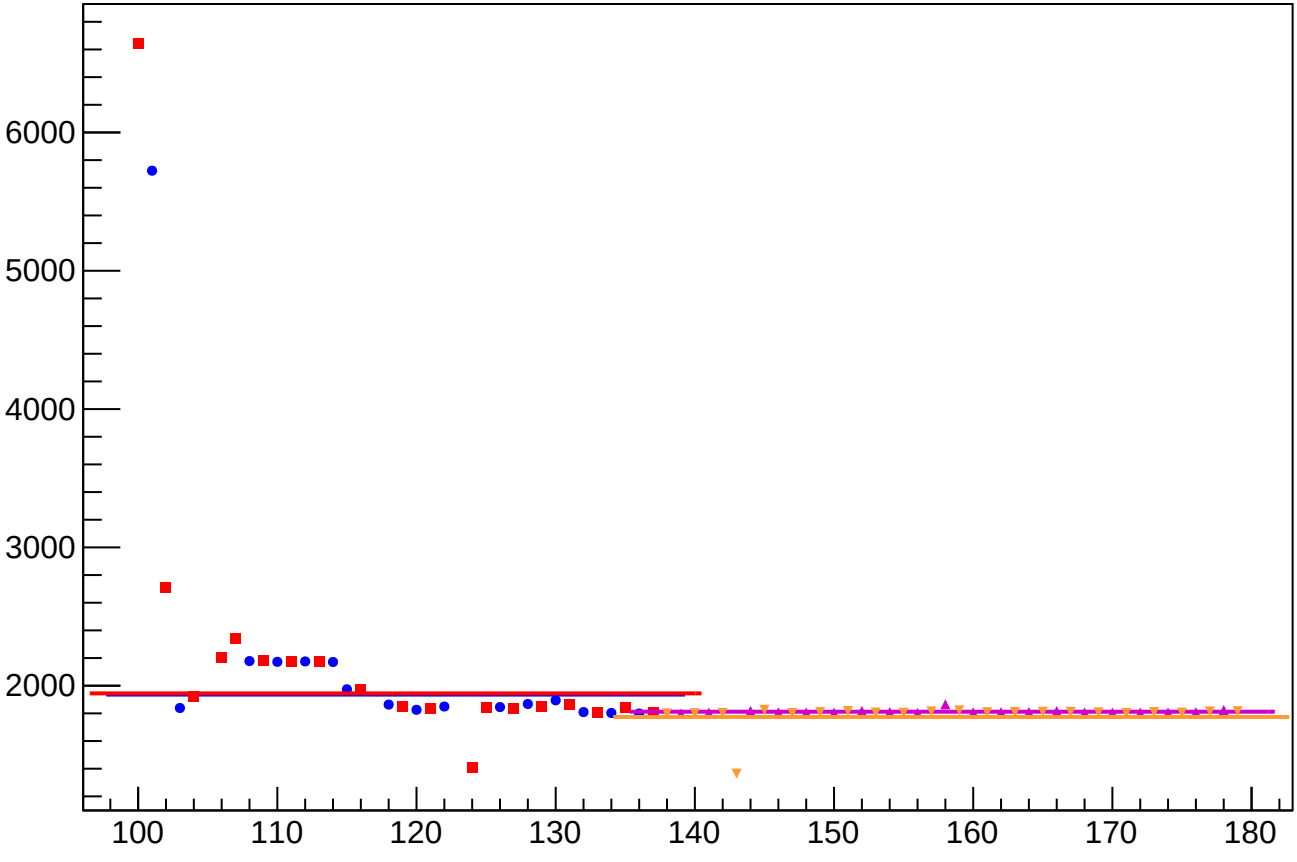
Left In: 437.629+/-448.187 χ^2/NDF:25.9/19

+ sign -524.956+/-368.145 χ^2/NDF: 36.6/37

All: -49.429+/-264.820 χ^2/NDF: 81.6/76

- sign 460.478+/-381.221 χ^2/NDF: 41.5/38

dit_asym_at1_dd_rms vs Slug



Right In: 1935.974+/-0.520 χ^2/NDF: 639808.0/15

Left Out: 1774.088+/-0.301 χ^2/NDF:160479.3/21

Right Out: 1944.495+/-0.513 χ^2/NDF: 276223.6/18

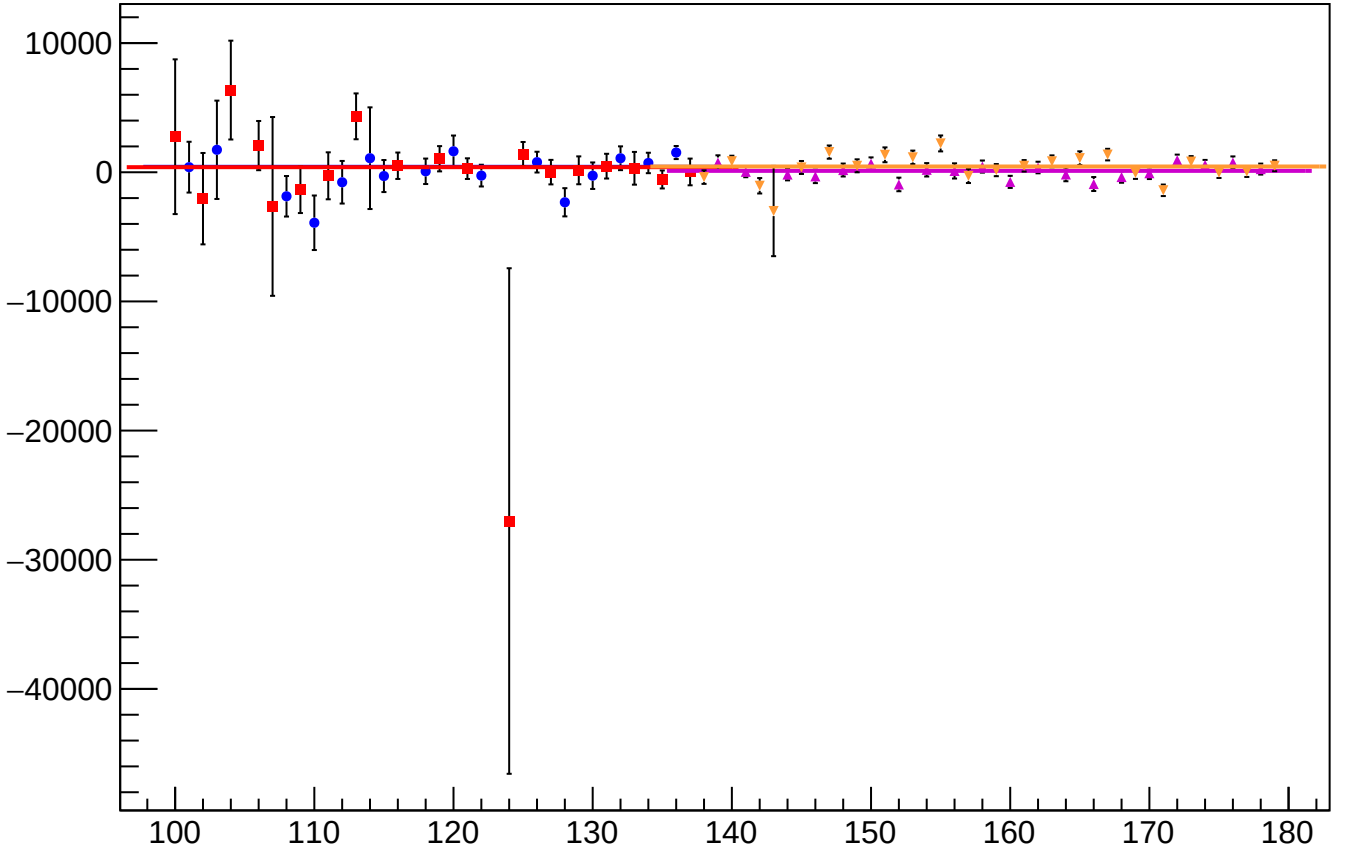
Left In: 1812.005+/-0.317 χ^2/NDF:1879.8/19

+ sign 1814.604+/-0.260 χ^2/NDF: 872852.3/37

All: 1831.028+/-0.187 χ^2/NDF: 1207530.5/76

- sign 1848.639+/-0.270 χ^2/NDF: 326429.4/38

asym_at1_dd_dit_correction_mean vs Slug



Right In: 421.145+/-256.749 χ^2/NDF: 21.5/15

Left Out: 445.778+/-104.593 χ^2/NDF:57.8/21

Right Out: 393.590+/-279.562 χ^2/NDF: 15.9/18

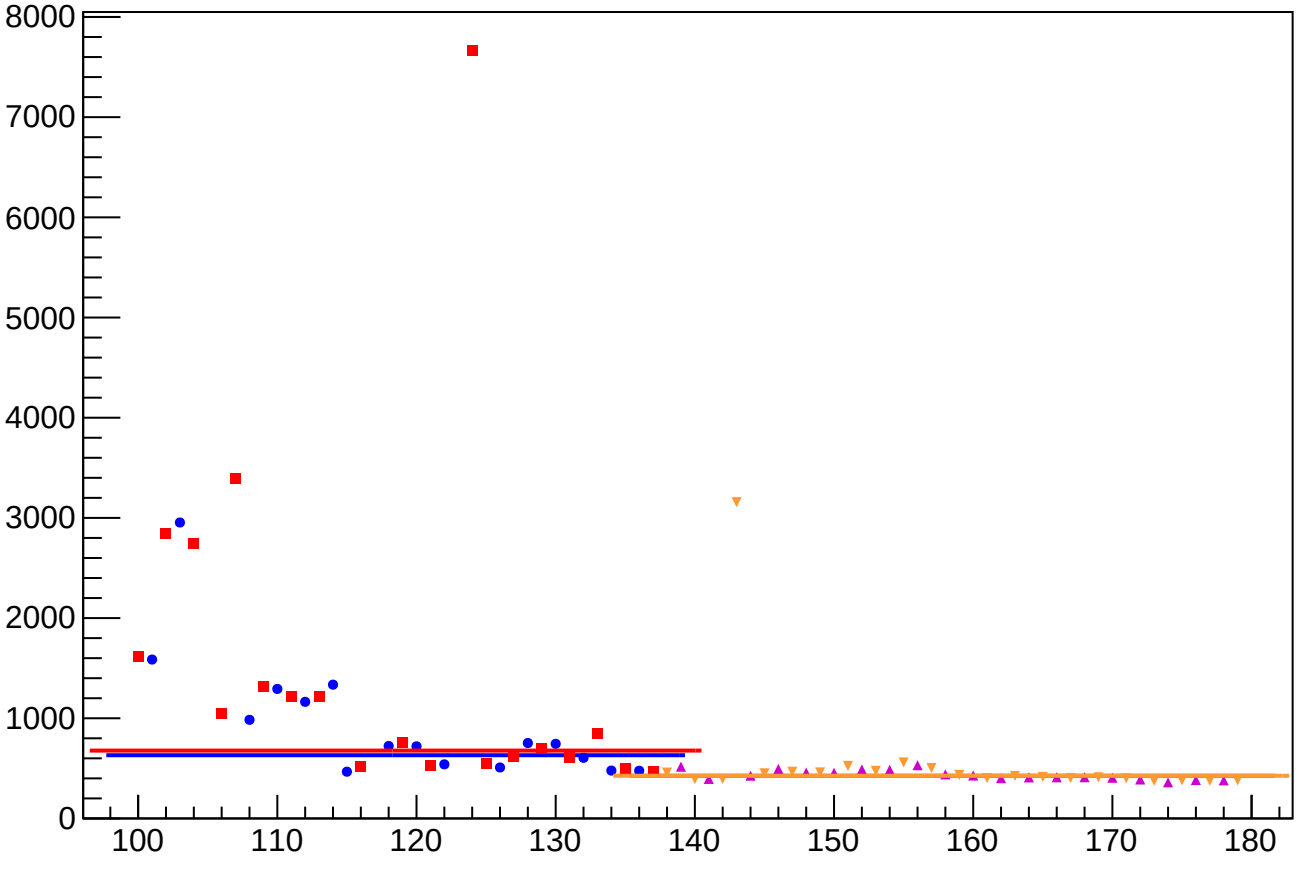
Left In: 107.943+/-106.191 χ^2/NDF:24.0/19

+ sign 442.272+/-96.864 χ^2/NDF: 79.3/37

All: 296.776+/-69.328 χ^2/NDF: 124.7/76

- sign 143.960+/-99.271 χ^2/NDF: 40.8/38

asym_at1_dd_dit_correction_rms vs Slug



Right In: 631.140+/-0.182 χ^2/NDF: 2234480.1/15

Left Out: 426.115+/-0.074 χ^2/NDF:1604446.8/21

Right Out: 677.438+/-0.198 χ^2/NDF: 3081569.8/18

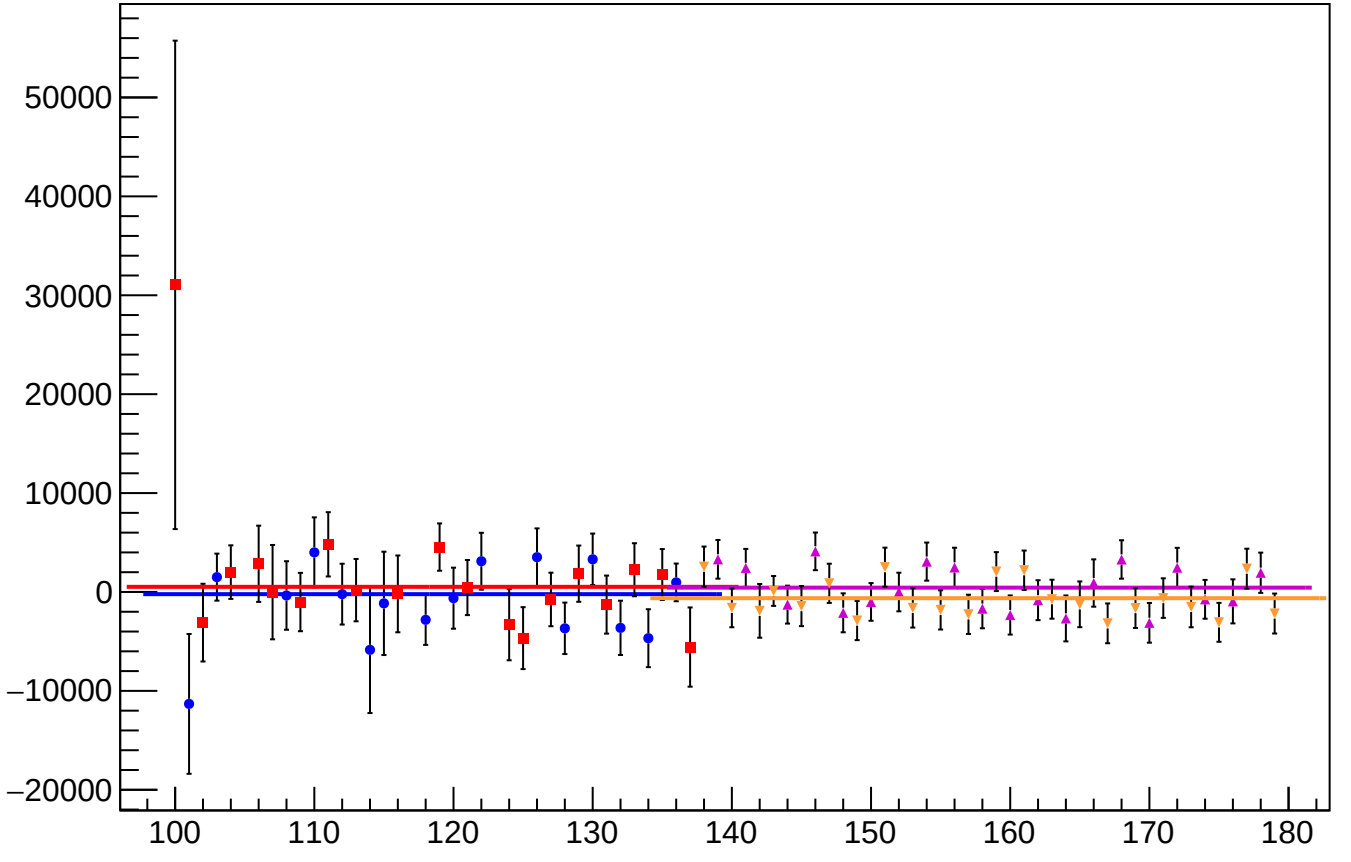
Left In: 426.117+/-0.075 χ^2/NDF:358498.2/19

+ sign 455.297+/-0.068 χ^2/NDF: 4932732.5/37

All: 456.521+/-0.049 χ^2/NDF: 9785974.6/76

- sign 457.806+/-0.070 χ^2/NDF: 4852587.6/38

eigen_dit_asym_at1_dd_mean vs Slug



Right In: -220.393+/-735.888 χ^2/NDF: 17.1/15

Left Out: -626.626+/-425.175 χ^2/NDF:19.3/21

Right Out: 520.265+/-724.980 χ^2/NDF: 15.6/18

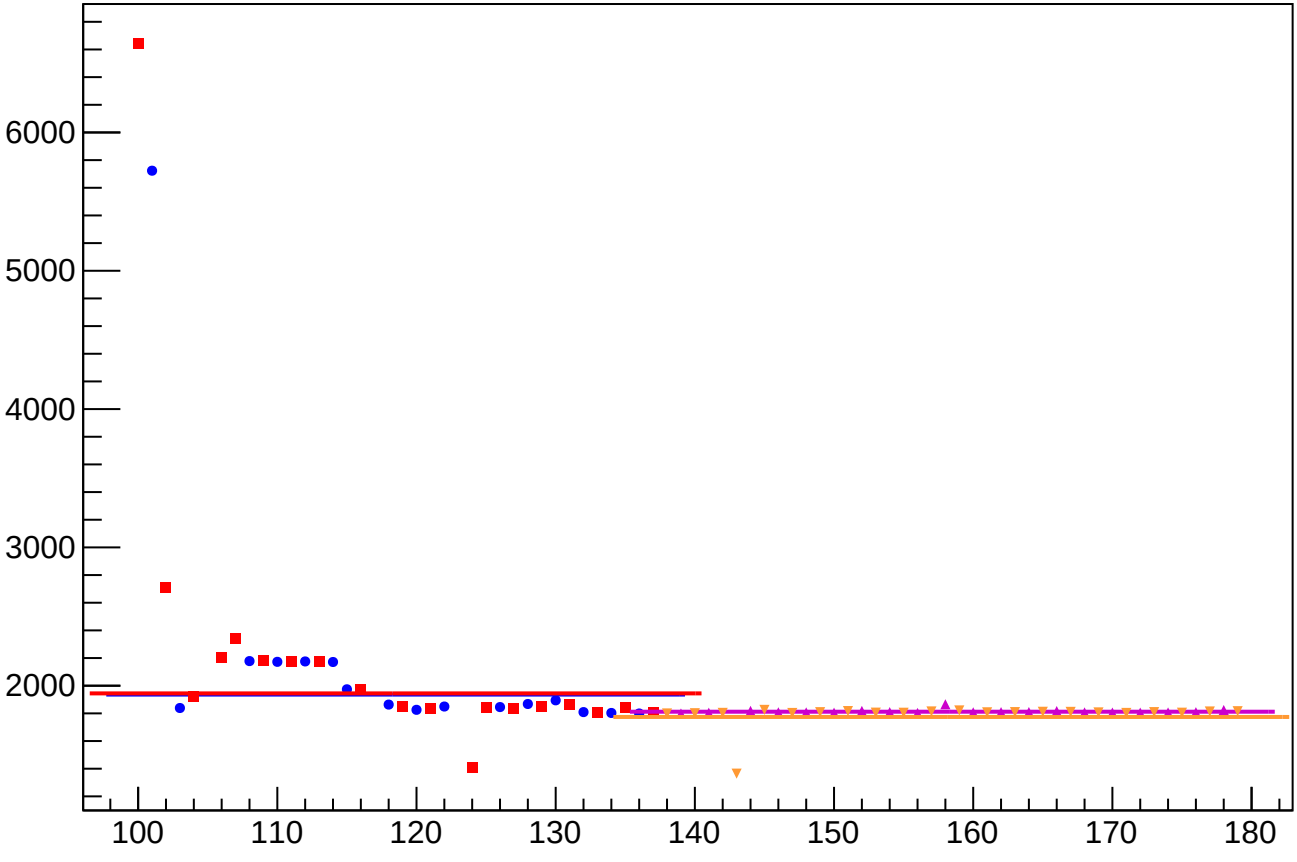
Left In: 437.628+/-448.187 χ^2/NDF:25.9/19

+ sign -524.957+/-368.145 χ^2/NDF: 36.6/37

All: -49.430+/-264.820 χ^2/NDF: 81.6/76

- sign 460.478+/-381.221 χ^2/NDF: 41.5/38

eigen_dit_asym_at1_dd_rms vs Slug



Right In: 1935.974+/-0.520 χ^2/NDF: 639808.0/15

Left Out: 1774.088+/-0.301 χ^2/NDF:160479.3/21

Right Out: 1944.495+/-0.513 χ^2/NDF: 276223.5/18

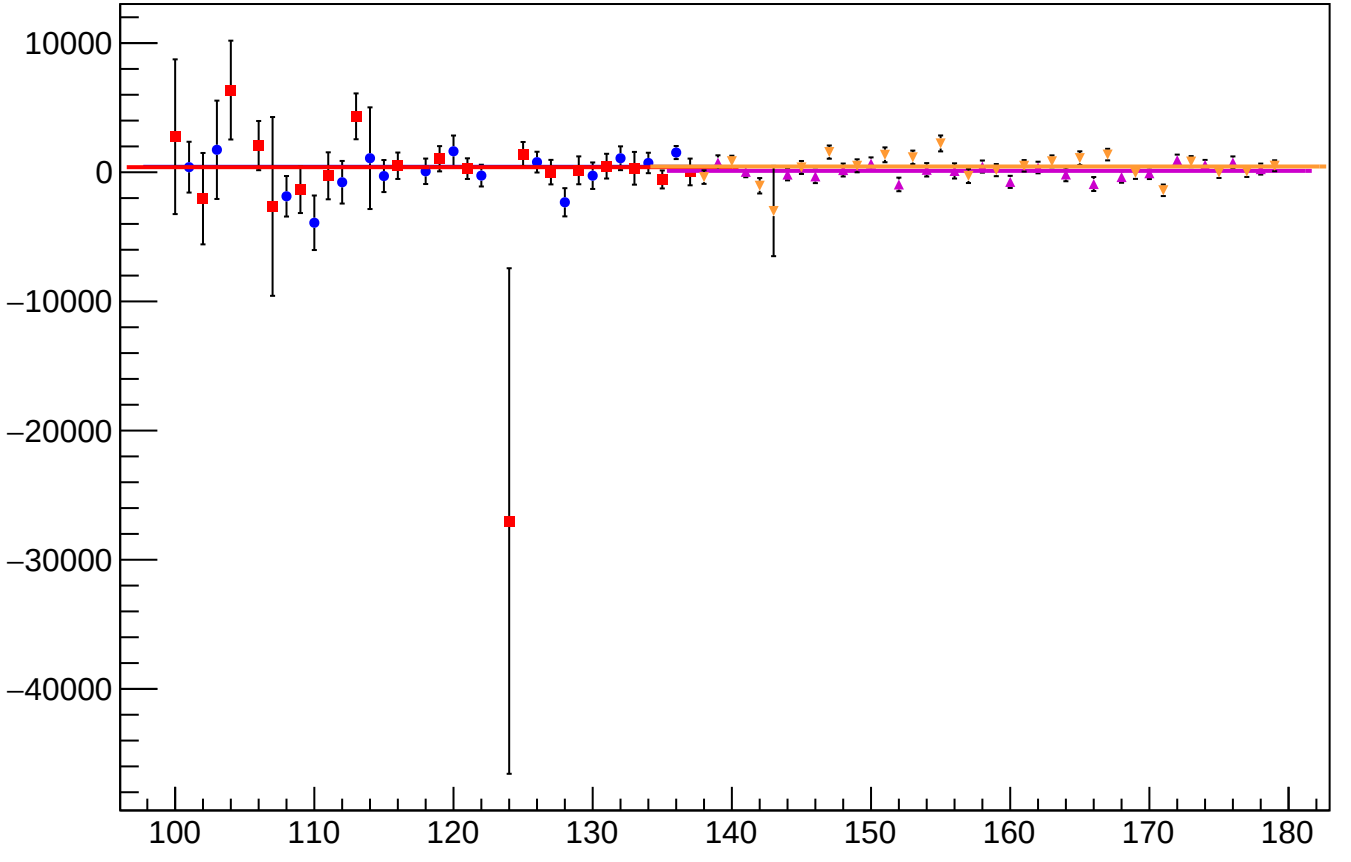
Left In: 1812.005+/-0.317 χ^2/NDF:1879.8/19

+ sign 1814.604+/-0.260 χ^2/NDF: 872852.3/37

All: 1831.028+/-0.187 χ^2/NDF: 1207530.3/76

- sign 1848.639+/-0.270 χ^2/NDF: 326429.2/38

asym_at1_dd_eigen_dit_correction_mean vs Slug



Right In: 421.144+/-256.749 χ^2/NDF: 21.5/15

Left Out: 445.777+/-104.593 χ^2/NDF:57.8/21

Right Out: 393.591+/-279.562 χ^2/NDF: 15.9/18

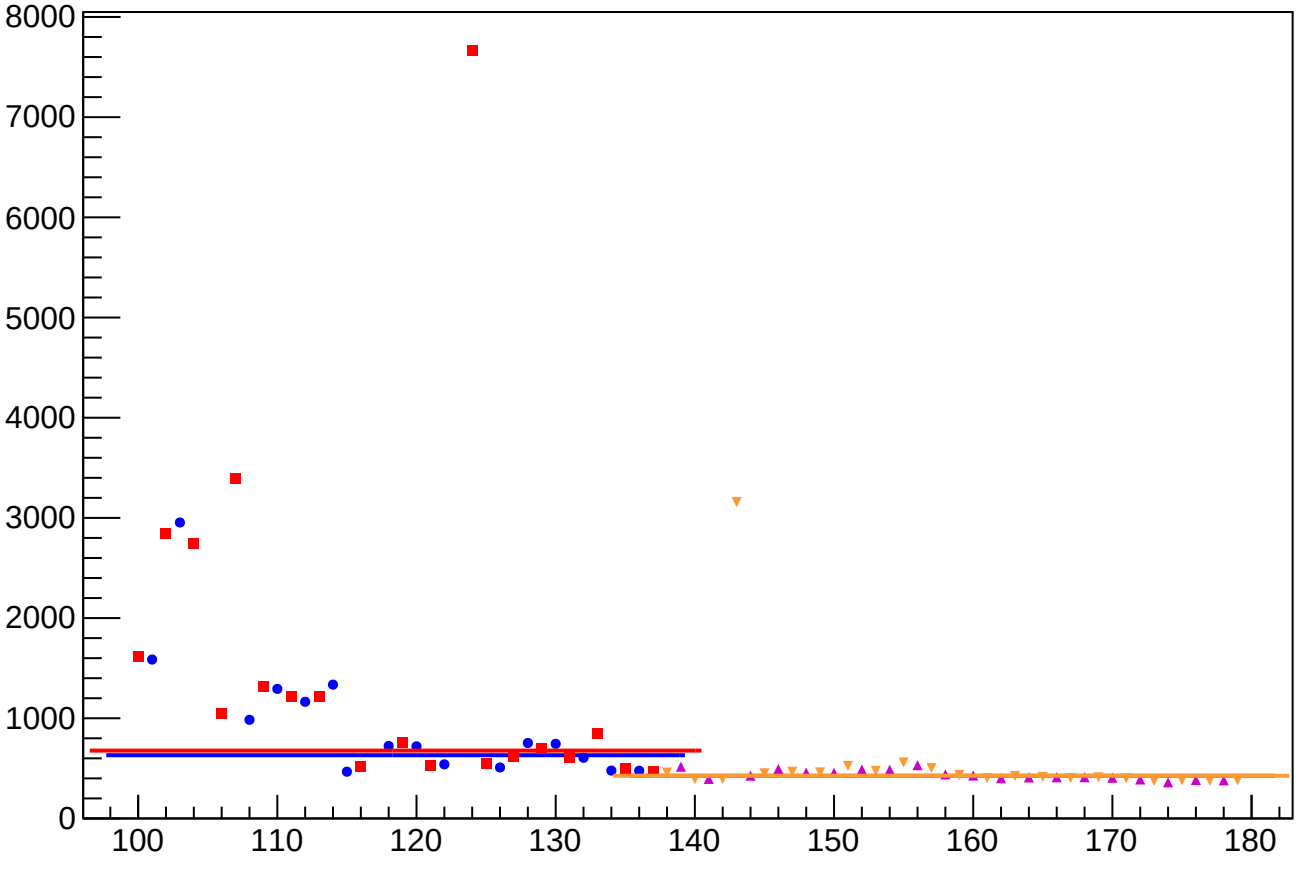
Left In: 107.942+/-106.191 χ^2/NDF:24.0/19

\+ sign 442.271+/-96.864 χ^2/NDF: 79.3/37

All: 296.775+/-69.328 χ^2/NDF: 124.7/76

\- sign 143.959+/-99.271 χ^2/NDF: 40.8/38

asym_at1_dd_eigen_dit_correction_rms vs Slug



Right In: 631.139+/-0.182 χ^2/NDF: 2234479.1/15

Left Out: 426.115+/-0.074 χ^2/NDF:1604448.2/21

Right Out: 677.437+/-0.198 χ^2/NDF: 3081570.5/18

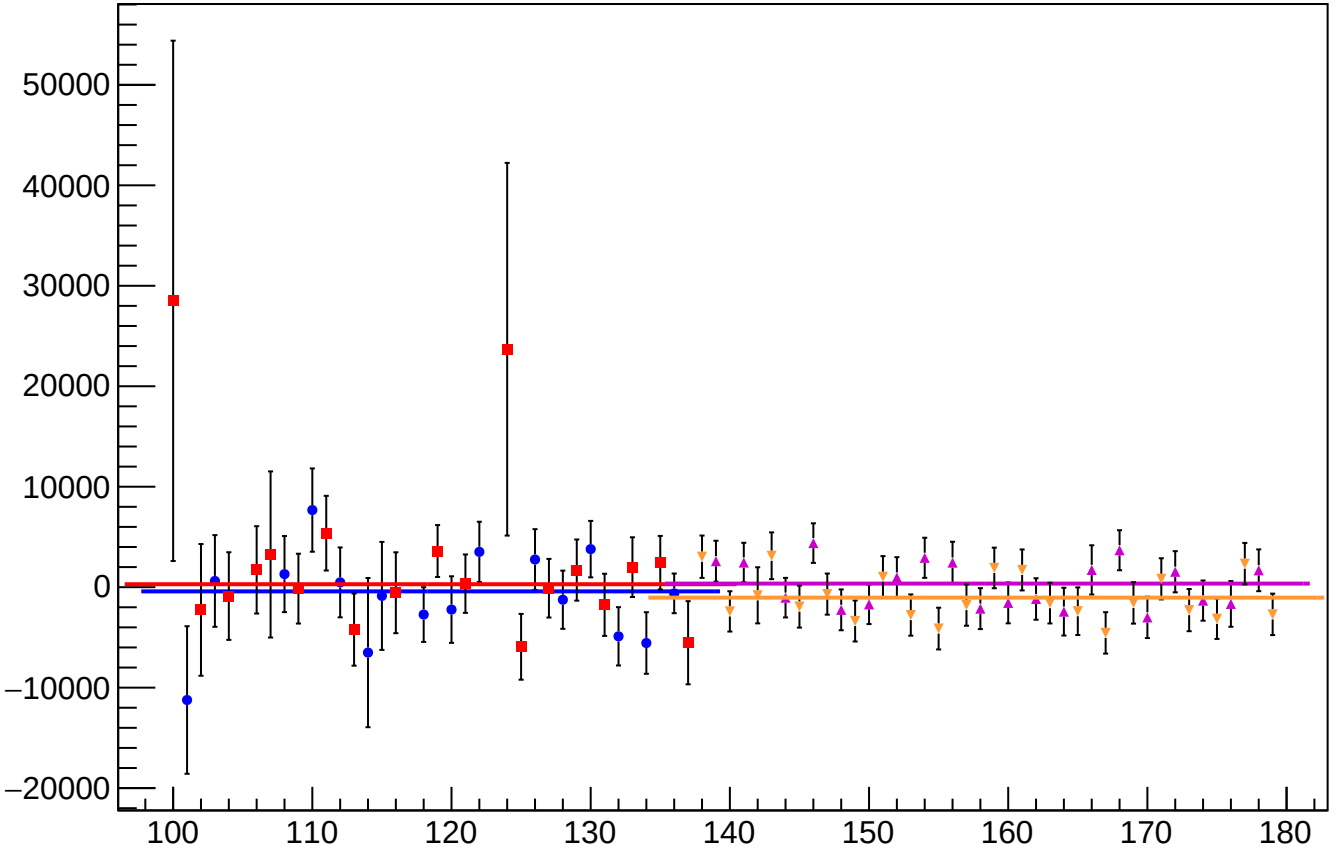
Left In: 426.117+/-0.075 χ^2/NDF:358501.3/19

+ sign 455.297+/-0.068 χ^2/NDF: 4932734.0/37

All: 456.521+/-0.049 χ^2/NDF: 9785980.5/76

- sign 457.806+/-0.070 χ^2/NDF: 4852591.9/38

asym_at1_dd_mean vs Slug



Right In: -417.662+/-815.370 χ^2/NDF: 18.3/15

Left Out: -1041.504+/-447.383 χ^2/NDF:25.9/21

Right Out: 294.527+/-831.610 χ^2/NDF: 15.6/18

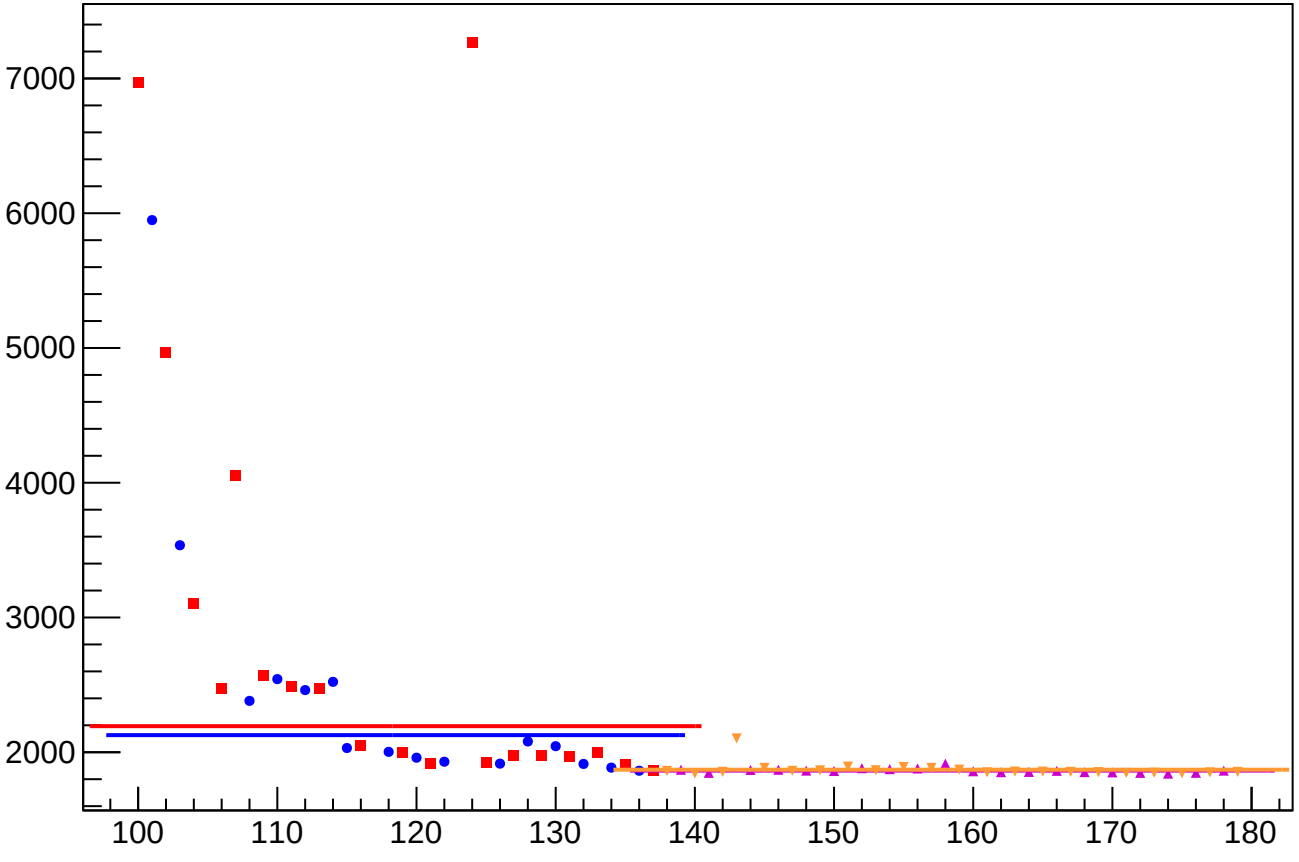
Left In: 356.975+/-460.946 χ^2/NDF:24.9/19

+ sign -897.150+/-392.221 χ^2/NDF: 44.7/37

All: -294.465+/-281.129 χ^2/NDF: 90.1/76

- sign 342.299+/-403.157 χ^2/NDF: 40.5/38

asym_at1_dd_rms vs Slug



Right In: 2127.041+/-0.577 χ^2/NDF: 875078.1/15

Left Out: 1870.449+/-0.316 χ^2/NDF:22869.6/21

Right Out: 2193.560+/-0.588 χ^2/NDF: 942581.2/18

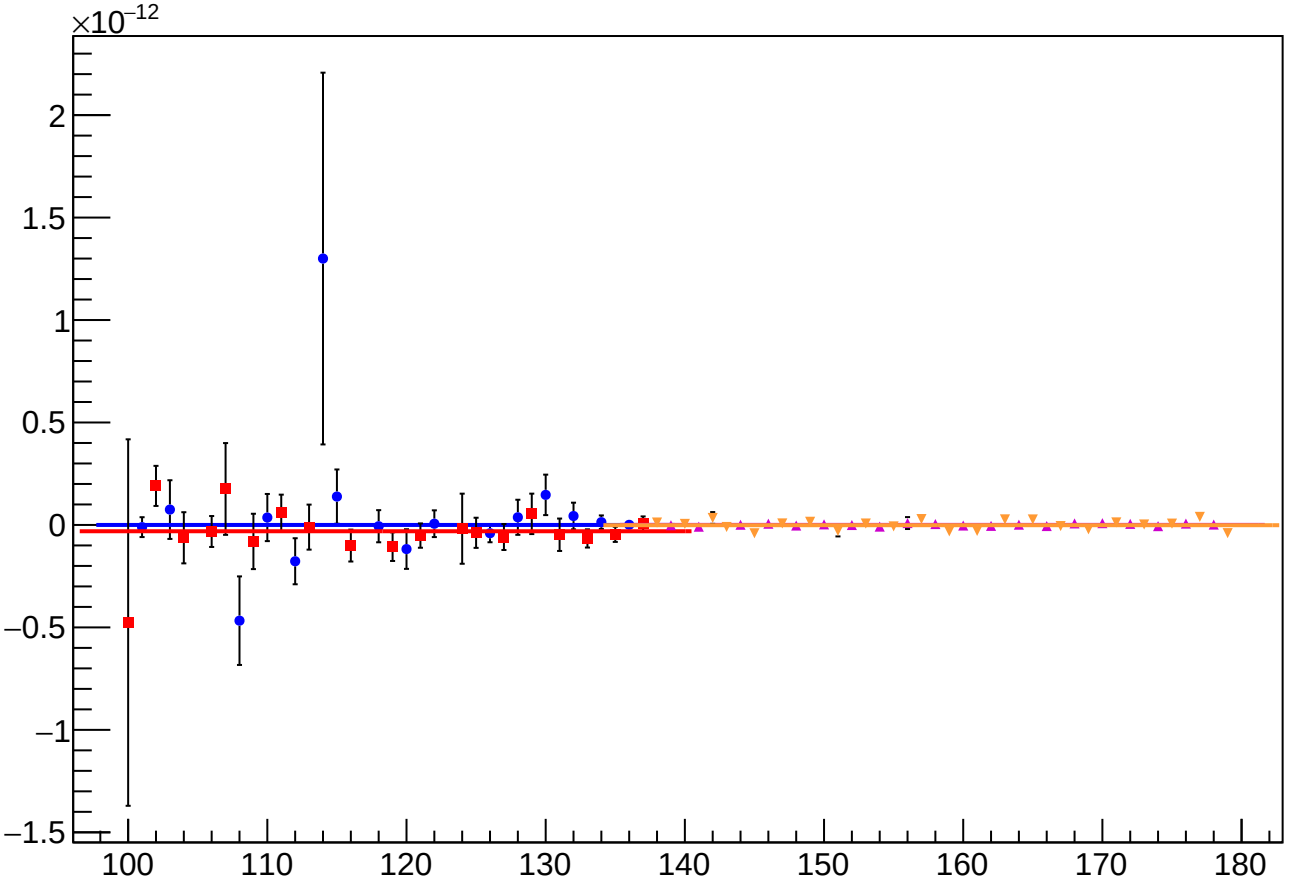
Left In: 1863.556+/-0.326 χ^2/NDF:2539.6/19

+ sign 1929.823+/-0.277 χ^2/NDF: 1050181.8/37

All: 1935.313+/-0.199 χ^2/NDF: 2237032.8/76

- sign 1941.114+/-0.285 χ^2/NDF: 1186045.0/38

asym_at1_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:39.0/21

Right Out: -0.000+/-0.000 χ^2/NDF: 12.4/18

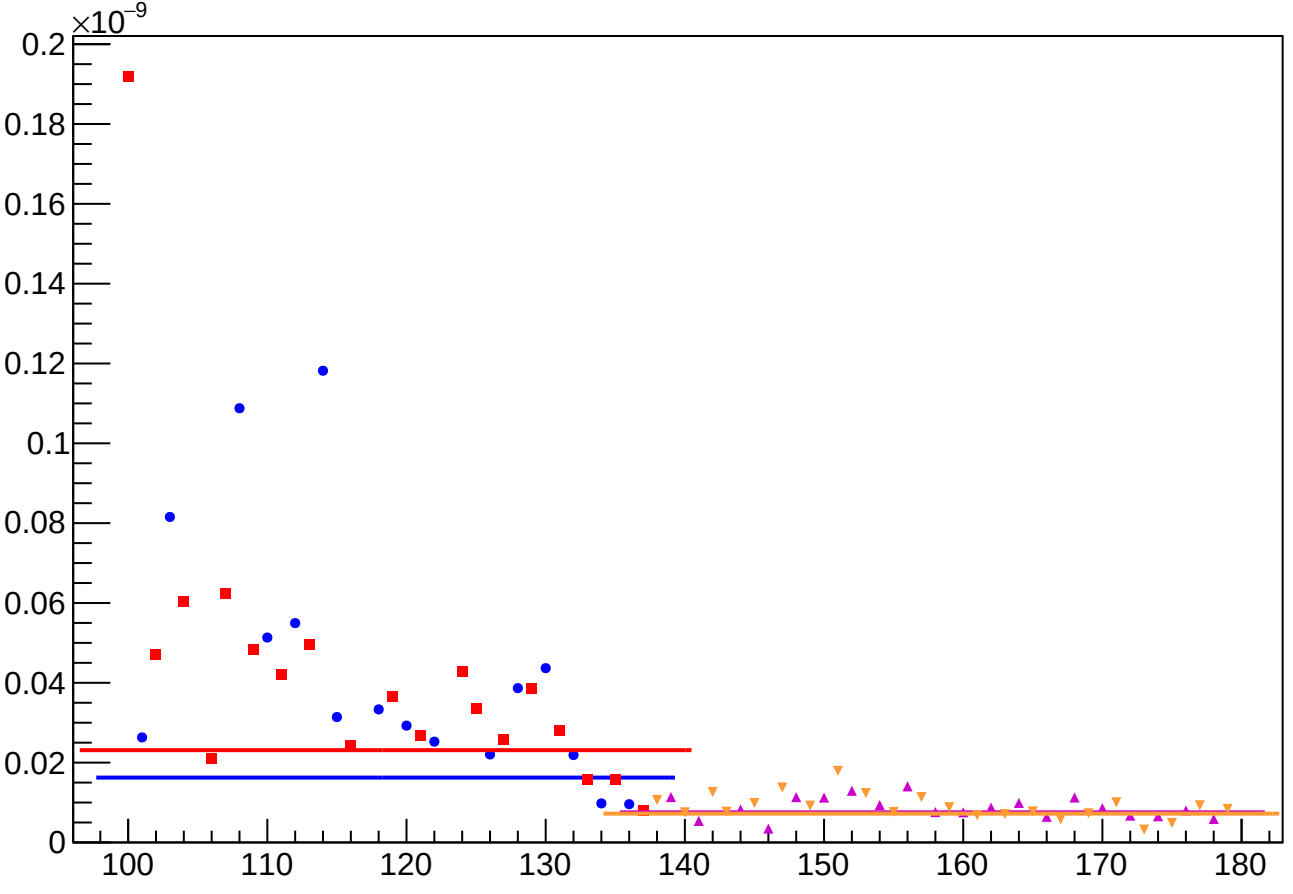
Left In: 0.000+/-0.000 χ^2/NDF:2.6/19

+ sign -0.000+/-0.000 χ^2/NDF: 55.1/37

All: -0.000+/-0.000 χ^2/NDF: 73.8/76

- sign -0.000+/-0.000 χ^2/NDF: 18.8/38

asym_at1_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2286703.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1598152.8/21

Right Out: 0.000+/-0.000 χ^2/NDF: 1411720.5/18

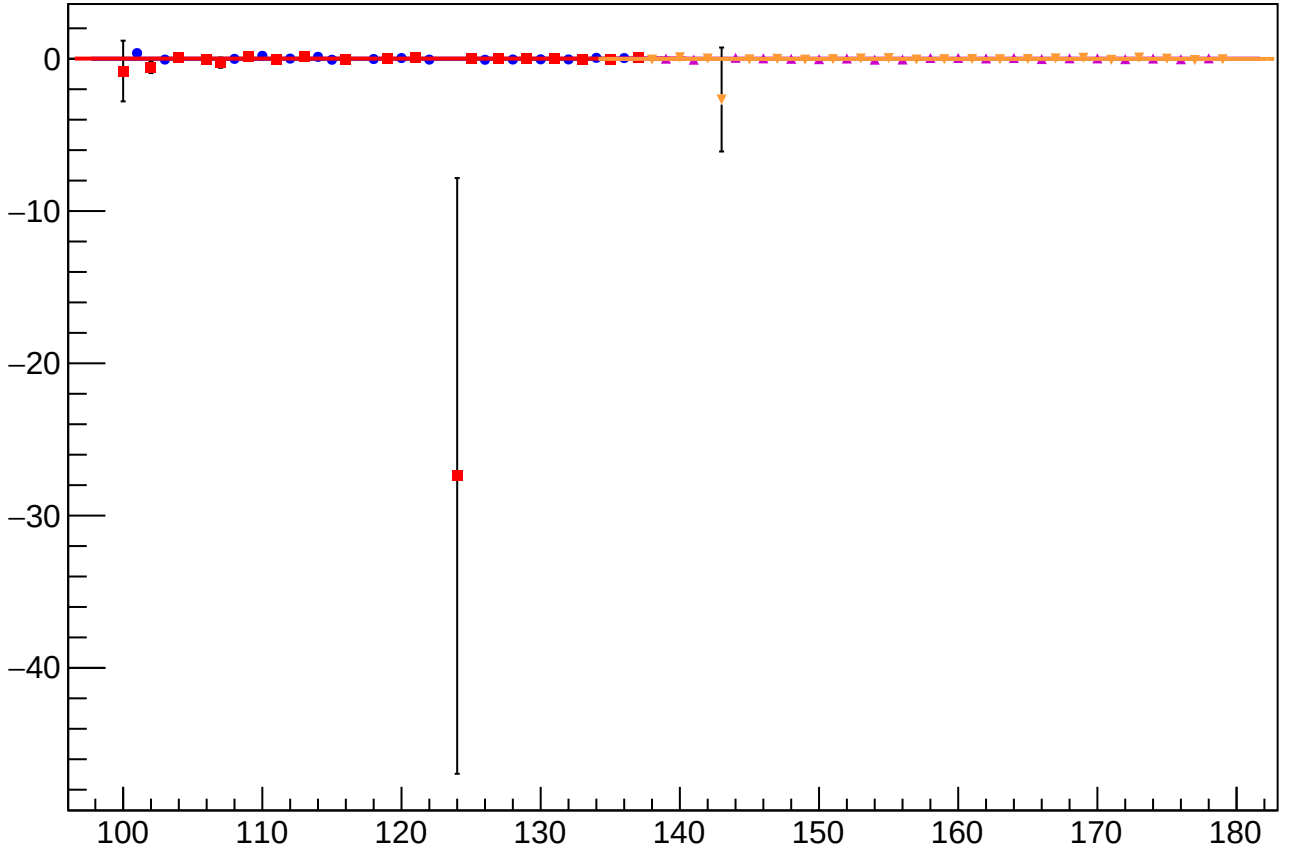
Left In: 0.000+/-0.000 χ^2/NDF:1046643.9/19

+ sign 0.000+/-0.000 χ^2/NDF: 4968891.5/37

All: 0.000+/-0.000 χ^2/NDF: 9319866.2/76

- sign 0.000+/-0.000 χ^2/NDF: 4332250.2/38

asym_at1_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.008+/-0.009 χ^2/NDF:35.6/21

Right Out: 0.012+/-0.015 χ^2/NDF: 14.2/18

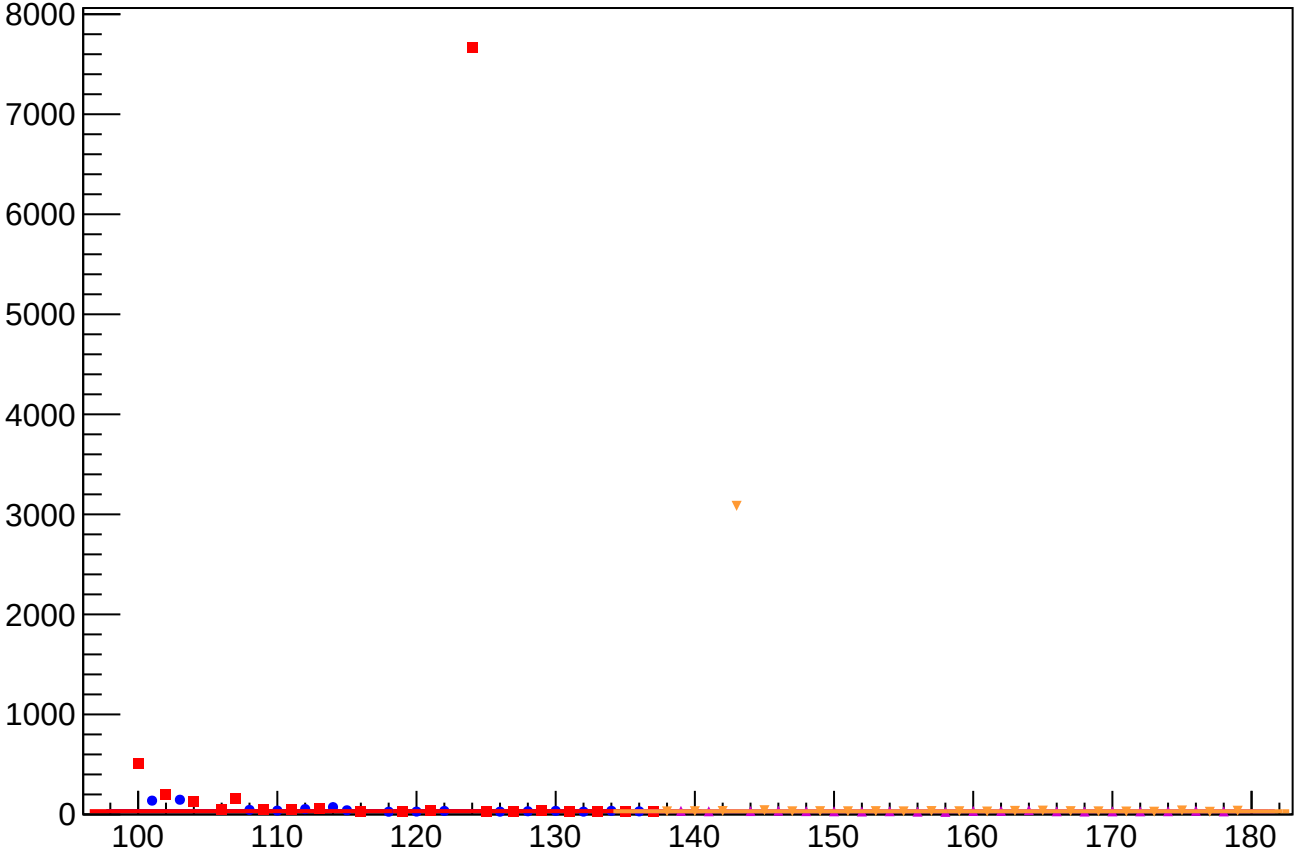
Left In: 0.007+/-0.009 χ^2/NDF:18.8/19

+ sign -0.006+/-0.007 χ^2/NDF: 56.9/37

All: 0.001+/-0.005 χ^2/NDF: 91.8/76

- sign 0.008+/-0.008 χ^2/NDF: 33.1/38

asym_at1_dd_dit_vs_cor_diff_rms vs Slug



Right In: 34.055+/-0.010 χ^2/NDF: 1717266.1/15

Left Out: 31.980+/-0.006 χ^2/NDF:1940551.4/21

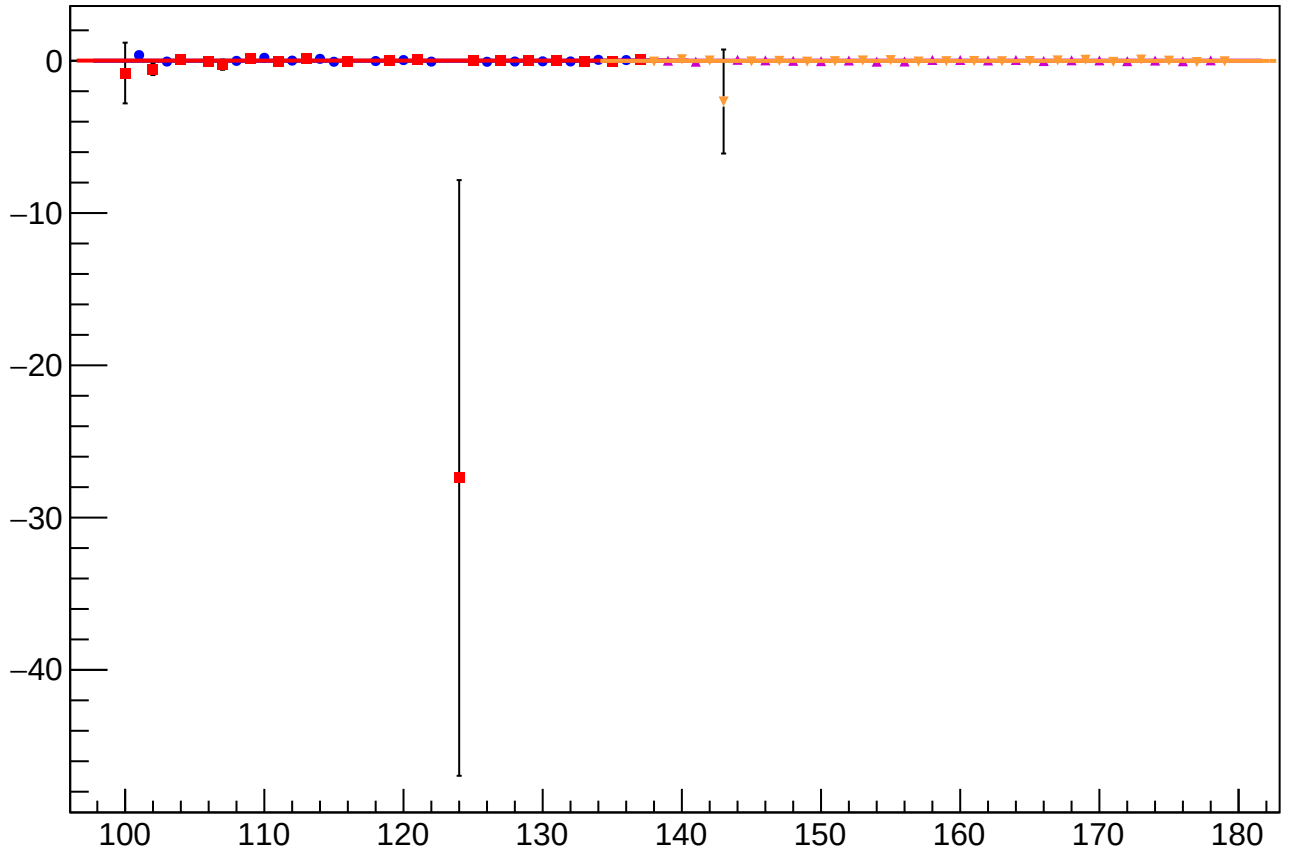
Right Out: 33.084+/-0.011 χ^2/NDF: 2075124.6/18

Left In: 32.337+/-0.006 χ^2/NDF:285071.3/19

\+ sign 32.504+/-0.005 χ^2/NDF: 3687386.5/37

All: 32.517+/-0.004 χ^2/NDF: 6051343.5/76

\- sign 32.529+/-0.005 χ^2/NDF: 2363946.2/38



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.008+/-0.009 χ^2/NDF:35.6/21

Right Out: 0.012+/-0.015 χ^2/NDF: 14.2/18

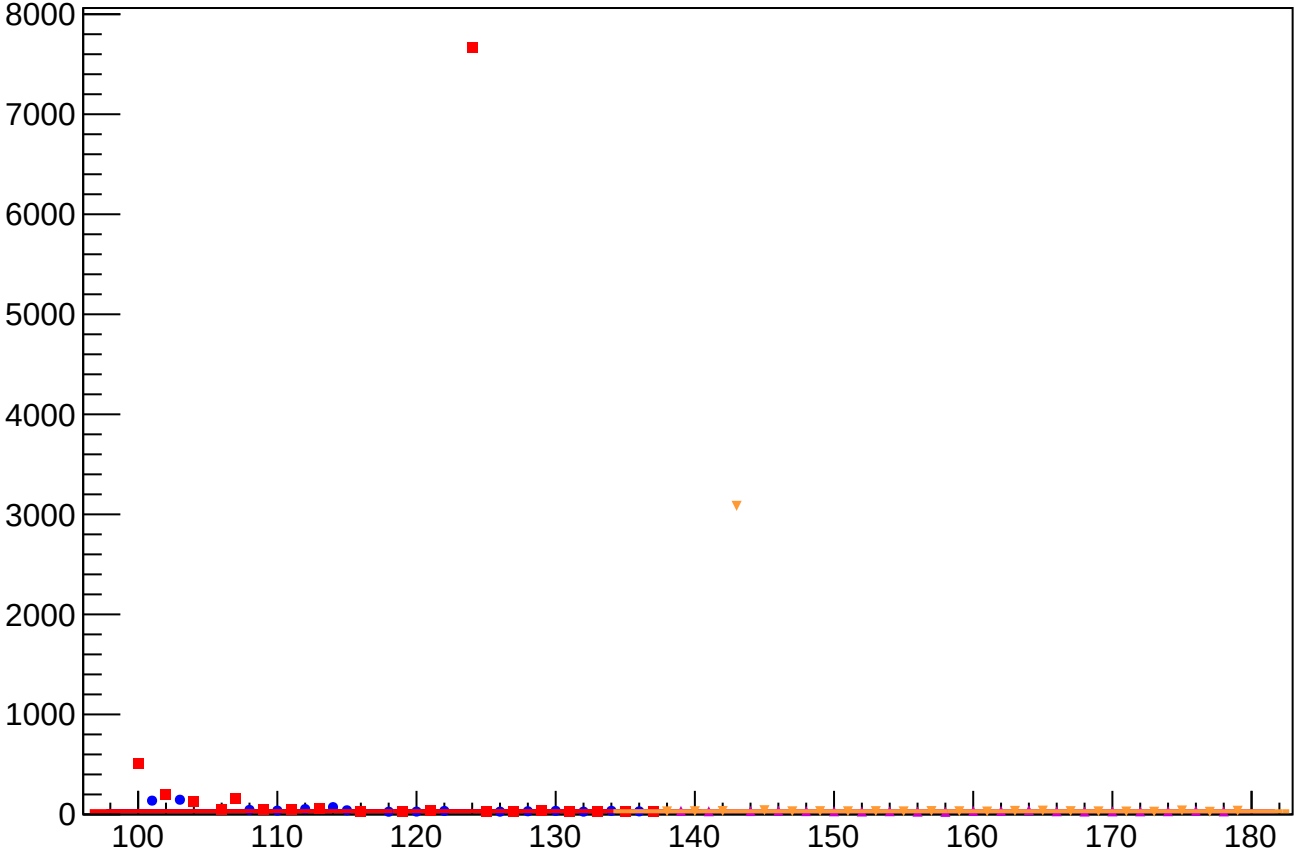
Left In: 0.007+/-0.009 χ^2/NDF:18.8/19

+ sign -0.006+/-0.007 χ^2/NDF: 56.9/37

All: 0.001+/-0.005 χ^2/NDF: 91.8/76

- sign 0.008+/-0.008 χ^2/NDF: 33.1/38

asym_at1_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 34.055+/-0.010 χ^2/NDF: 1717266.1/15

Left Out: 31.980+/-0.006 χ^2/NDF:1940551.4/21

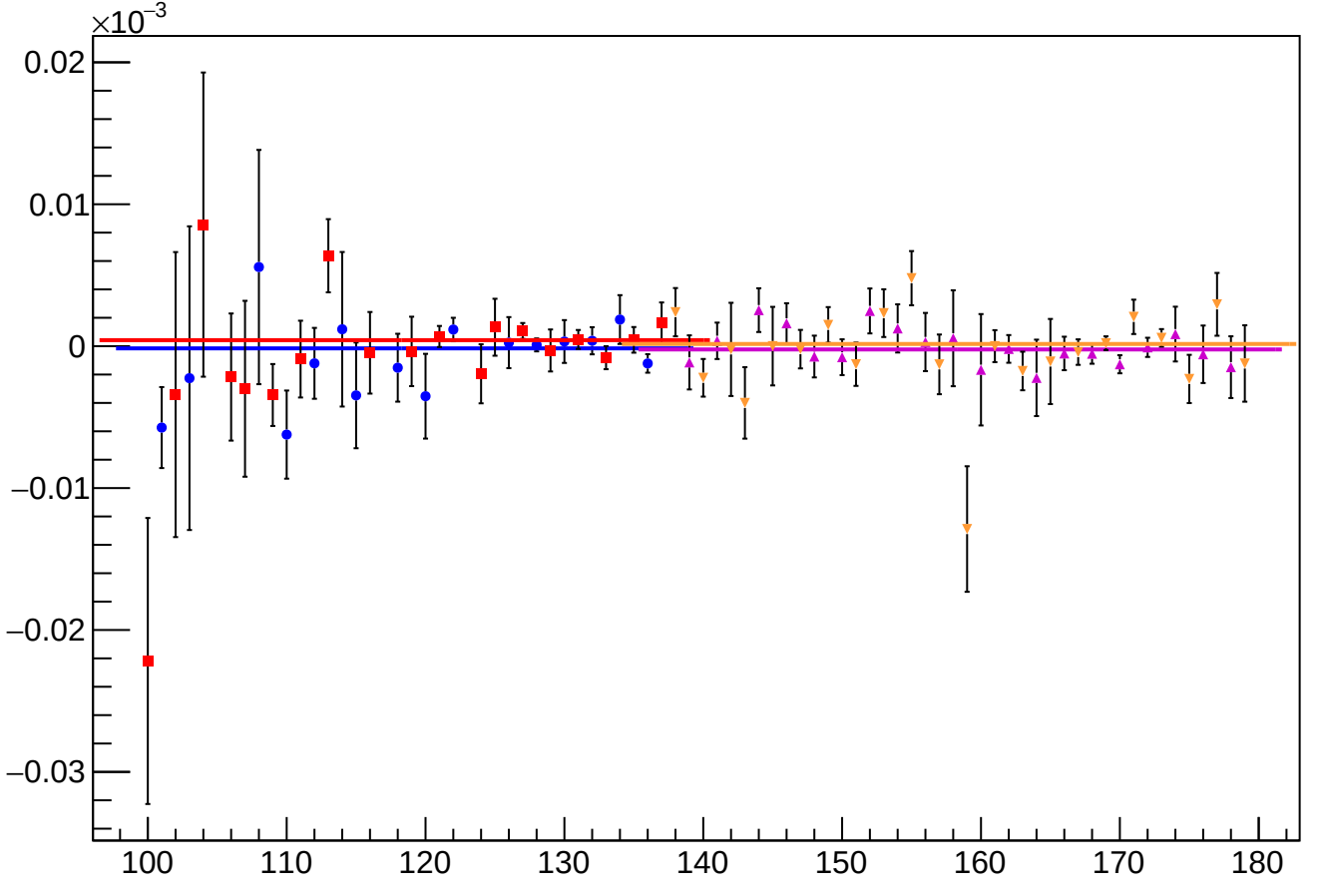
Right Out: 33.084+/-0.011 χ^2/NDF: 2075124.6/18

Left In: 32.337+/-0.006 χ^2/NDF:285071.3/19

\+ sign 32.504+/-0.005 χ^2/NDF: 3687386.5/37

All: 32.517+/-0.004 χ^2/NDF: 6051343.5/76

\- sign 32.529+/-0.005 χ^2/NDF: 2363946.2/38



Right In: -0.000+/-0.000 χ^2/NDF: 18.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:36.0/21

Right Out: 0.000+/-0.000 χ^2/NDF: 21.6/18

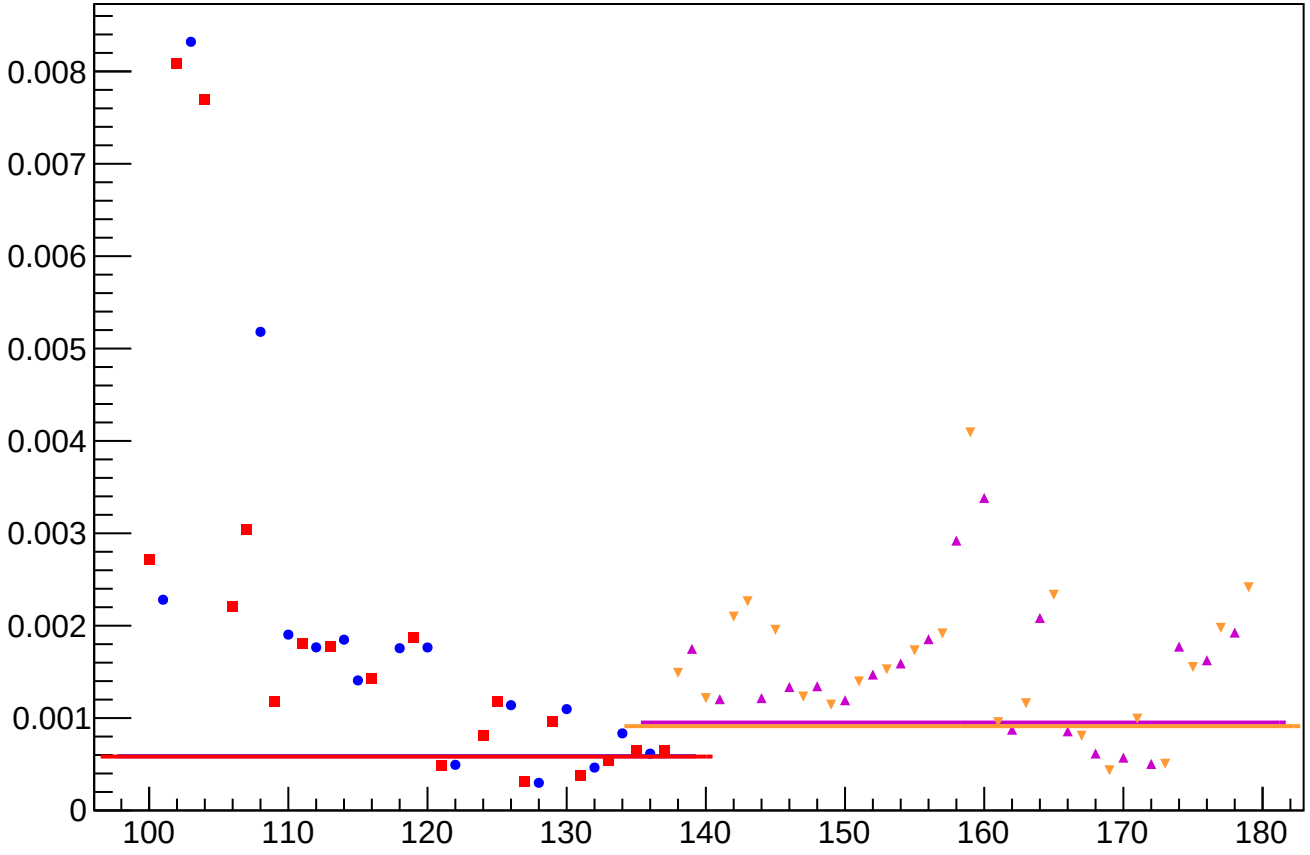
Left In: -0.000+/-0.000 χ^2/NDF:13.8/19

+ sign 0.000+/-0.000 χ^2/NDF: 54.8/37

All: 0.000+/-0.000 χ^2/NDF: 93.0/76

- sign 0.000+/-0.000 χ^2/NDF: 38.2/38

asym_at1_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 5485949.6/15

Left Out: 0.001+/-0.000 χ^2/NDF:8690752.0/21

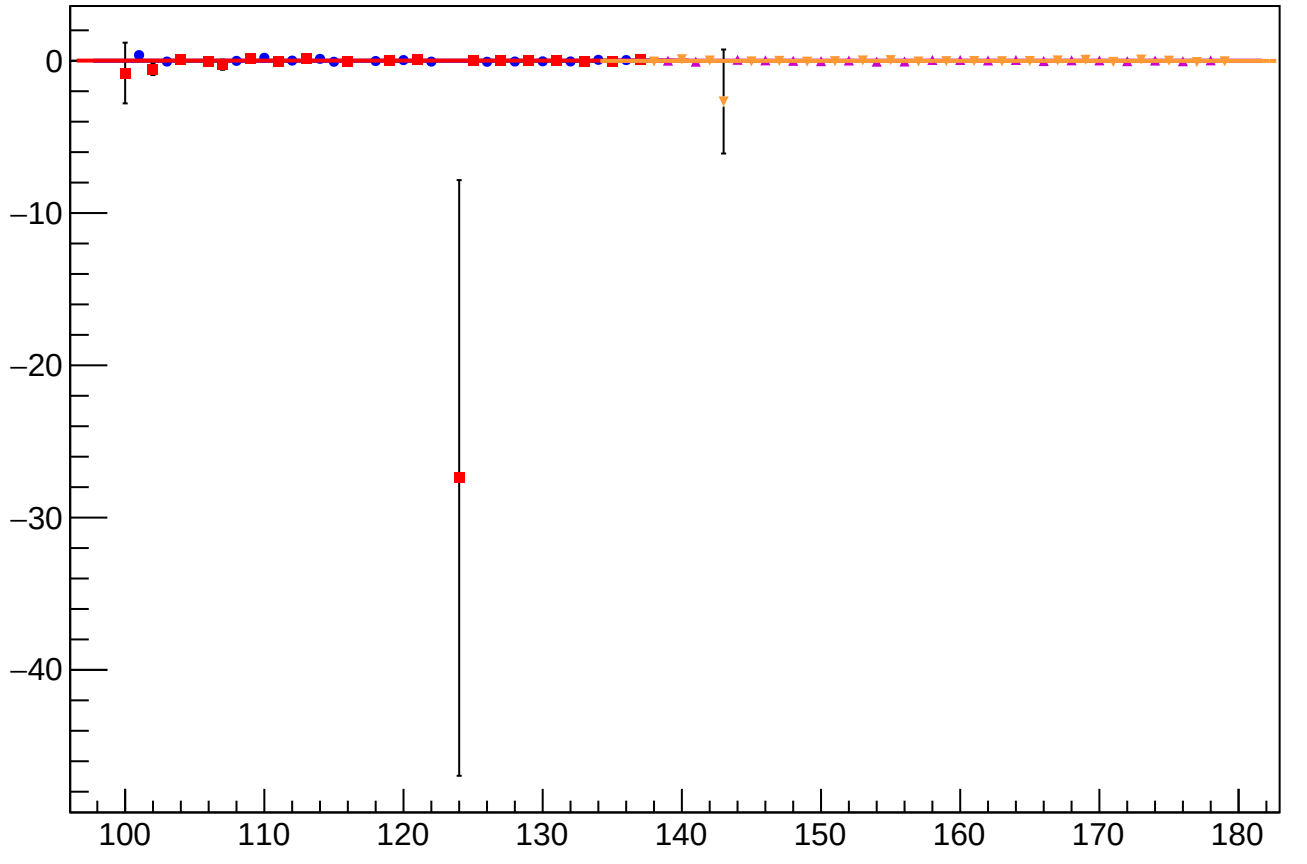
Right Out: 0.001+/-0.000 χ^2/NDF: 5431787.1/18

Left In: 0.001+/-0.000 χ^2/NDF:6583560.9/19

+ sign 0.001+/-0.000 χ^2/NDF: 15552530.1/37

All: 0.001+/-0.000 χ^2/NDF: 29306314.5/76

- sign 0.001+/-0.000 χ^2/NDF: 13752950.2/38



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.008+/-0.009 χ^2/NDF:35.6/21

Right Out: 0.012+/-0.015 χ^2/NDF: 14.2/18

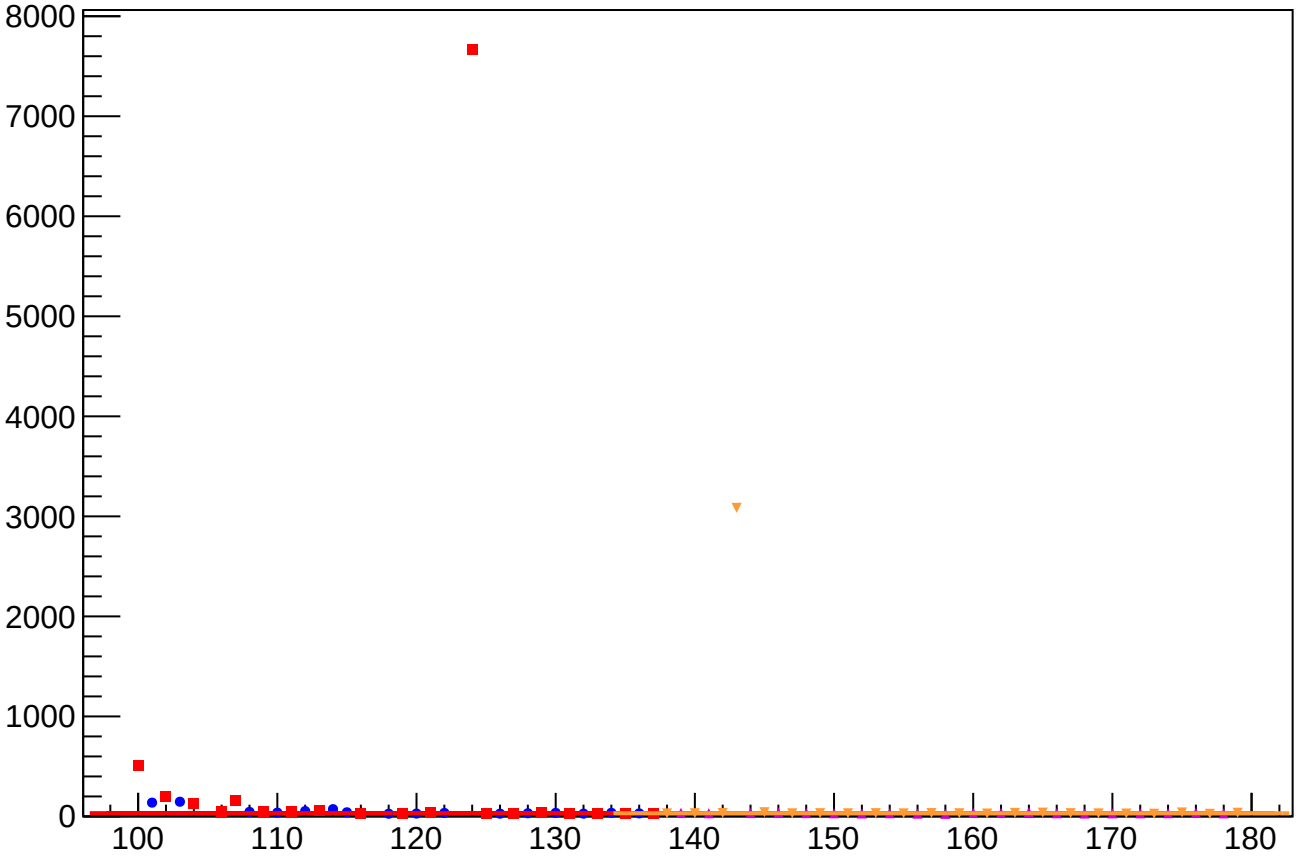
Left In: 0.007+/-0.009 χ^2/NDF:18.8/19

+ sign -0.006+/-0.007 χ^2/NDF: 56.9/37

All: 0.001+/-0.005 χ^2/NDF: 91.8/76

- sign 0.008+/-0.008 χ^2/NDF: 33.1/38

asym_at1_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 34.055+/-0.010 χ^2/NDF: 1717254.5/15

Left Out: 31.980+/-0.006 χ^2/NDF:1940592.5/21

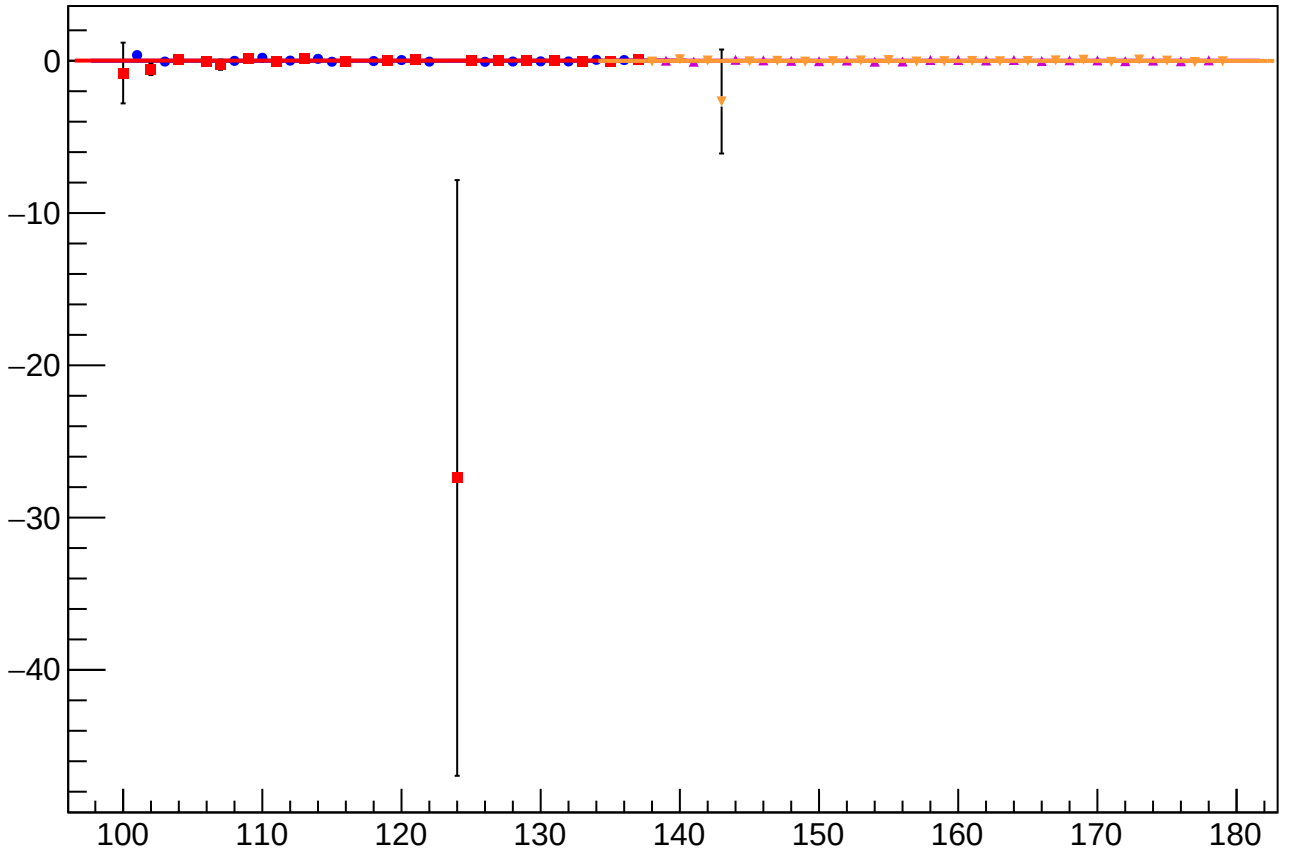
Right Out: 33.083+/-0.011 χ^2/NDF: 2075105.8/18

Left In: 32.337+/-0.006 χ^2/NDF:284986.5/19

+ sign 32.504+/-0.005 χ^2/NDF: 3687419.4/37

All: 32.517+/-0.004 χ^2/NDF: 6051269.3/76

- sign 32.529+/-0.005 χ^2/NDF: 2363838.8/38



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.008+/-0.009 χ^2/NDF:35.6/21

Right Out: 0.012+/-0.015 χ^2/NDF: 14.2/18

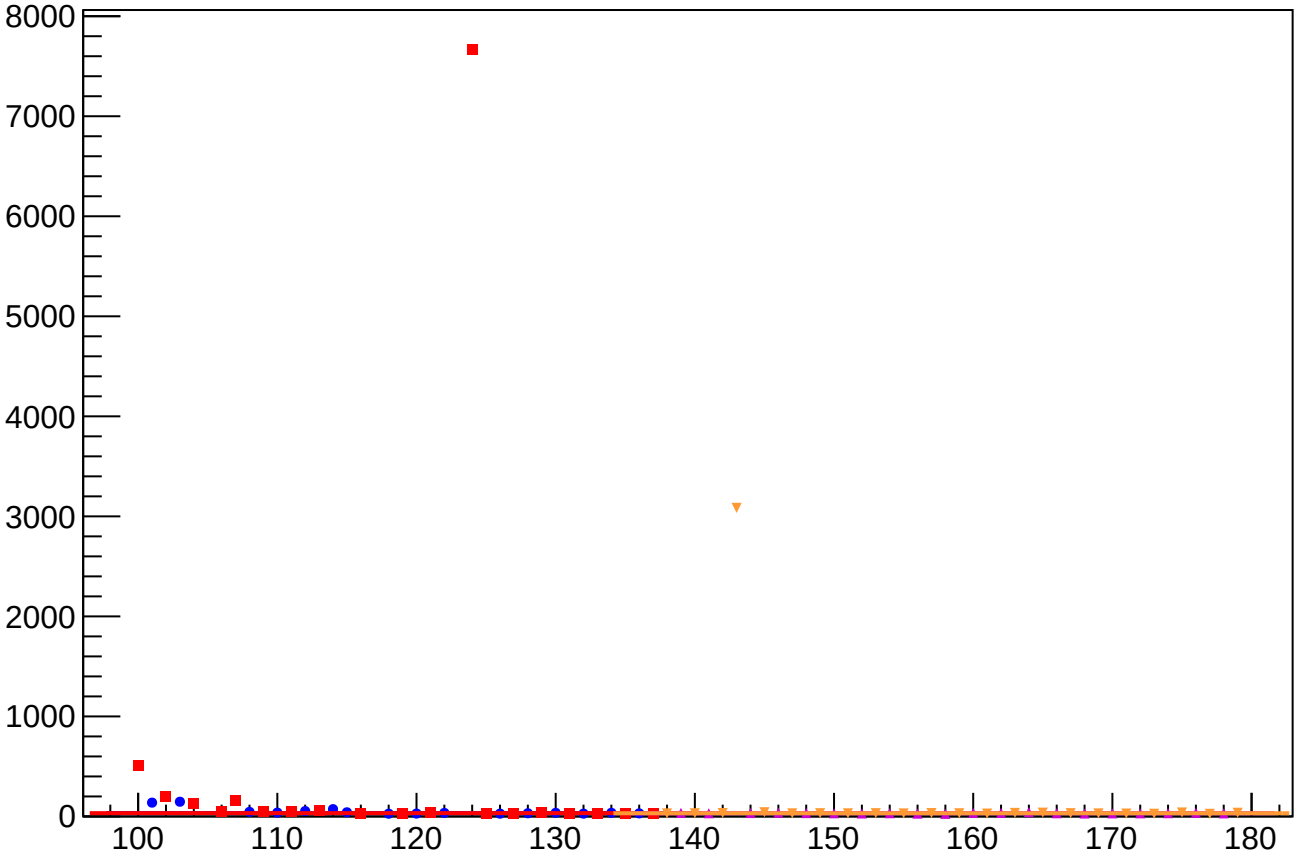
Left In: 0.007+/-0.009 χ^2/NDF:18.8/19

+ sign -0.006+/-0.007 χ^2/NDF: 56.9/37

All: 0.001+/-0.005 χ^2/NDF: 91.8/76

- sign 0.008+/-0.008 χ^2/NDF: 33.1/38

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 34.055+/-0.010 χ^2/NDF: 1717254.5/15

Left Out: 31.980+/-0.006 χ^2/NDF:1940592.5/21

Right Out: 33.083+/-0.011 χ^2/NDF: 2075105.8/18

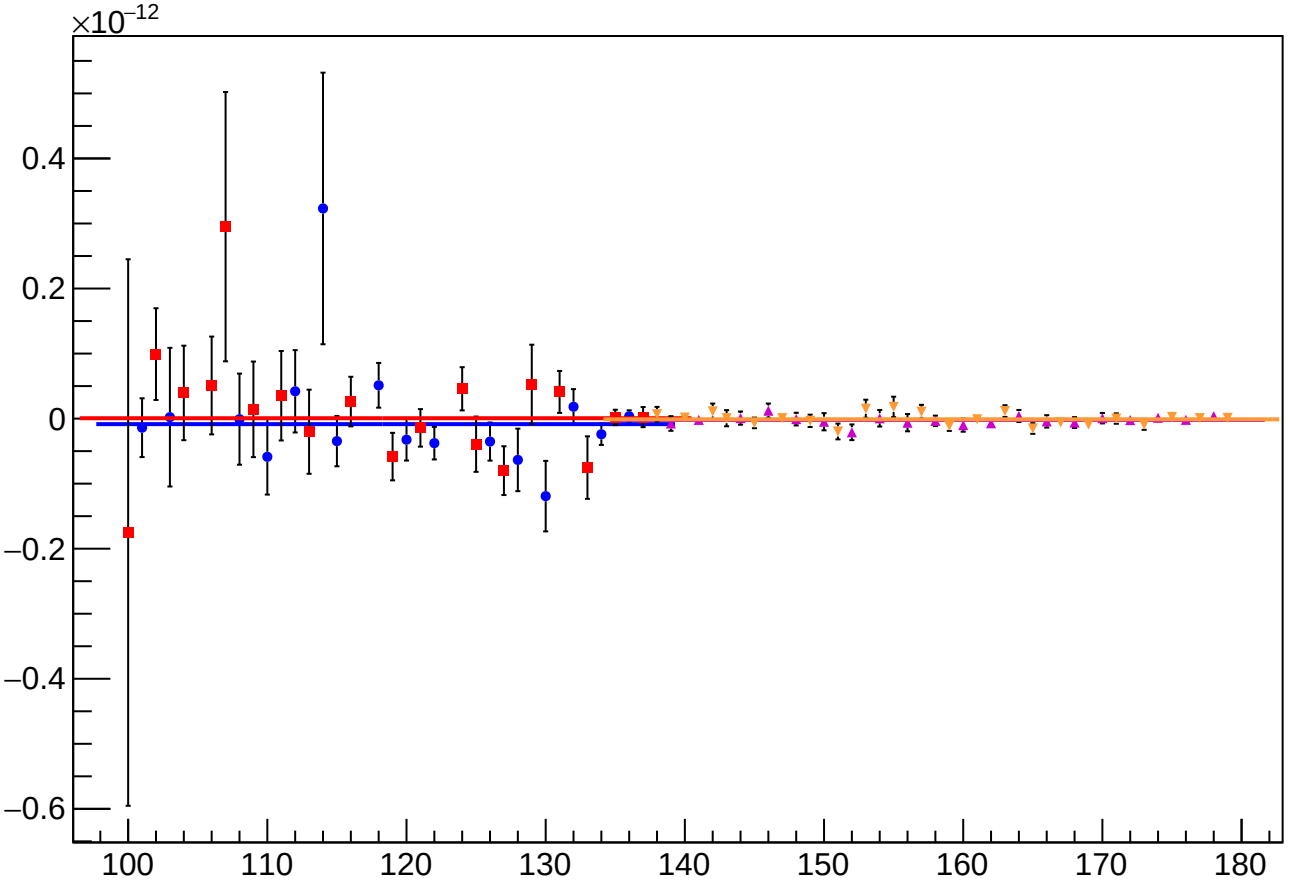
Left In: 32.337+/-0.006 χ^2/NDF:284986.5/19

+ sign 32.504+/-0.005 χ^2/NDF: 3687419.4/37

All: 32.517+/-0.004 χ^2/NDF: 6051269.3/76

- sign 32.529+/-0.005 χ^2/NDF: 2363838.8/38

asym_at1_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 19.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:18.7/21

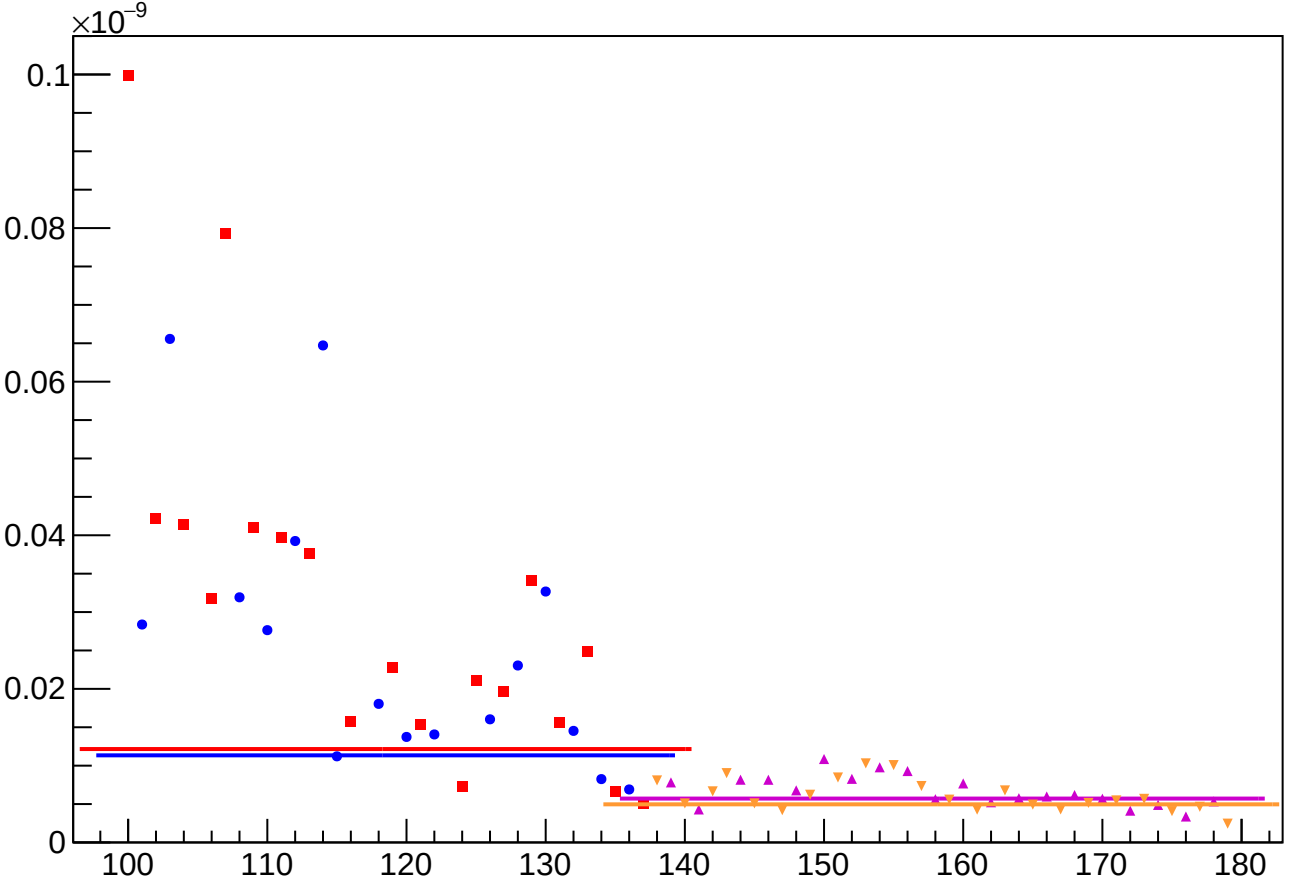
Right Out: 0.000+/-0.000 χ^2/NDF: 20.8/18

Left In: -0.000+/-0.000 χ^2/NDF:7.6/19

+ sign -0.000+/-0.000 χ^2/NDF: 39.2/37

All: -0.000+/-0.000 χ^2/NDF: 67.8/76

- sign -0.000+/-0.000 χ^2/NDF: 28.5/38



Right In: 0.000+/-0.000 χ^2/NDF: 2813598.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:2184415.1/21

Right Out: 0.000+/-0.000 χ^2/NDF: 3757412.0/18

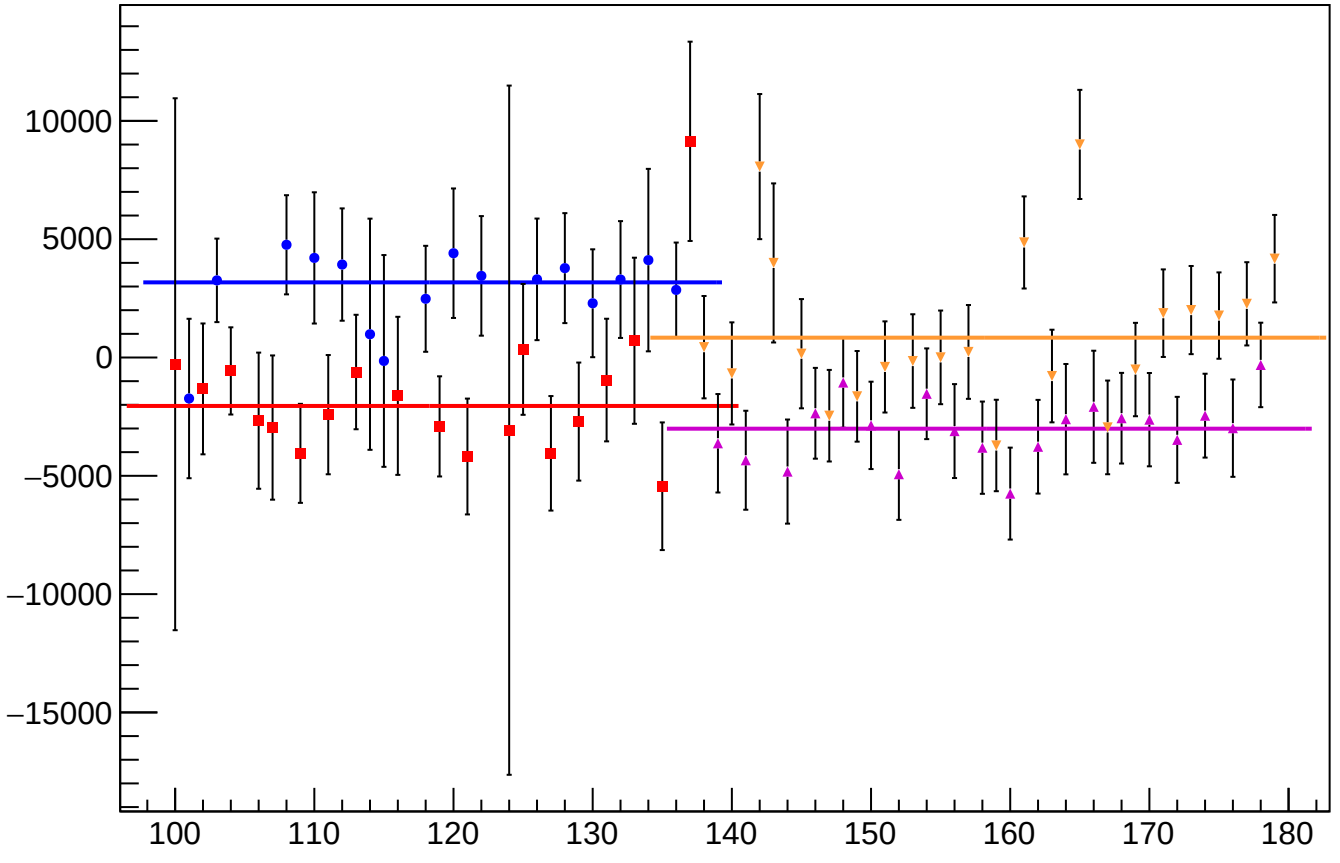
Left In: 0.000+/-0.000 χ^2/NDF:1792045.1/19

+ sign 0.000+/-0.000 χ^2/NDF: 6861664.4/37

All: 0.000+/-0.000 χ^2/NDF: 14090027.5/76

- sign 0.000+/-0.000 χ^2/NDF: 7033433.1/38

reg_asym_at2_avg_mean vs Slug



Right In: 3175.599+/-627.992 χ^2/NDF: 4.3/15

Left Out: 838.480+/-431.357 χ^2/NDF:44.6/21

Right Out: -2047.403+/-621.498 χ^2/NDF: 14.0/18

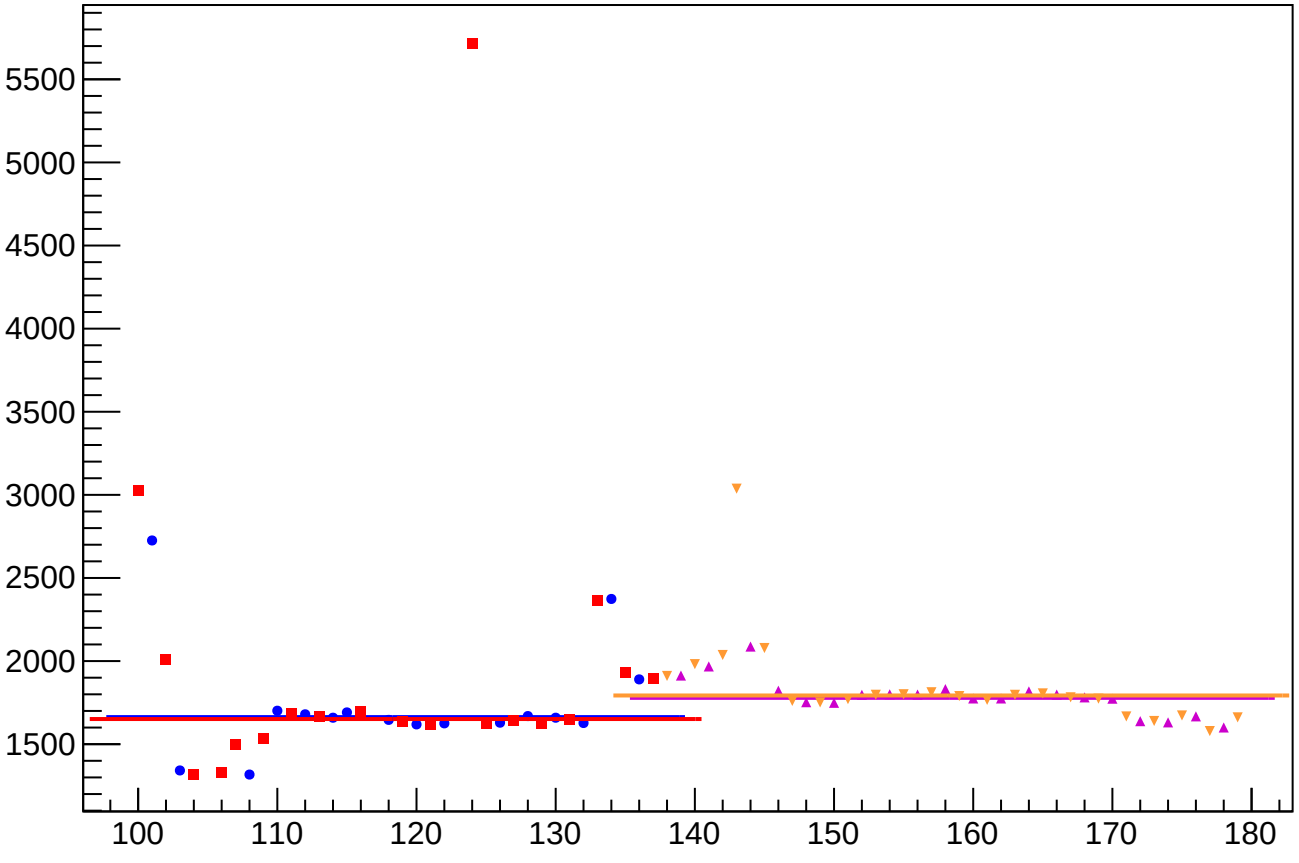
Left In: -3008.490+/-440.841 χ^2/NDF:9.0/19

+ sign 1587.676+/-355.559 χ^2/NDF: 58.4/37

All: -525.582+/-252.824 χ^2/NDF: 154.4/76

- sign -2686.791+/-359.570 χ^2/NDF: 24.6/38

reg_asym_at2_avg_rms vs Slug



Right In: 1662.901+/-0.444 χ^2/NDF: 415630.7/15

Left Out: 1793.013+/-0.305 χ^2/NDF:412382.3/21

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.1/18

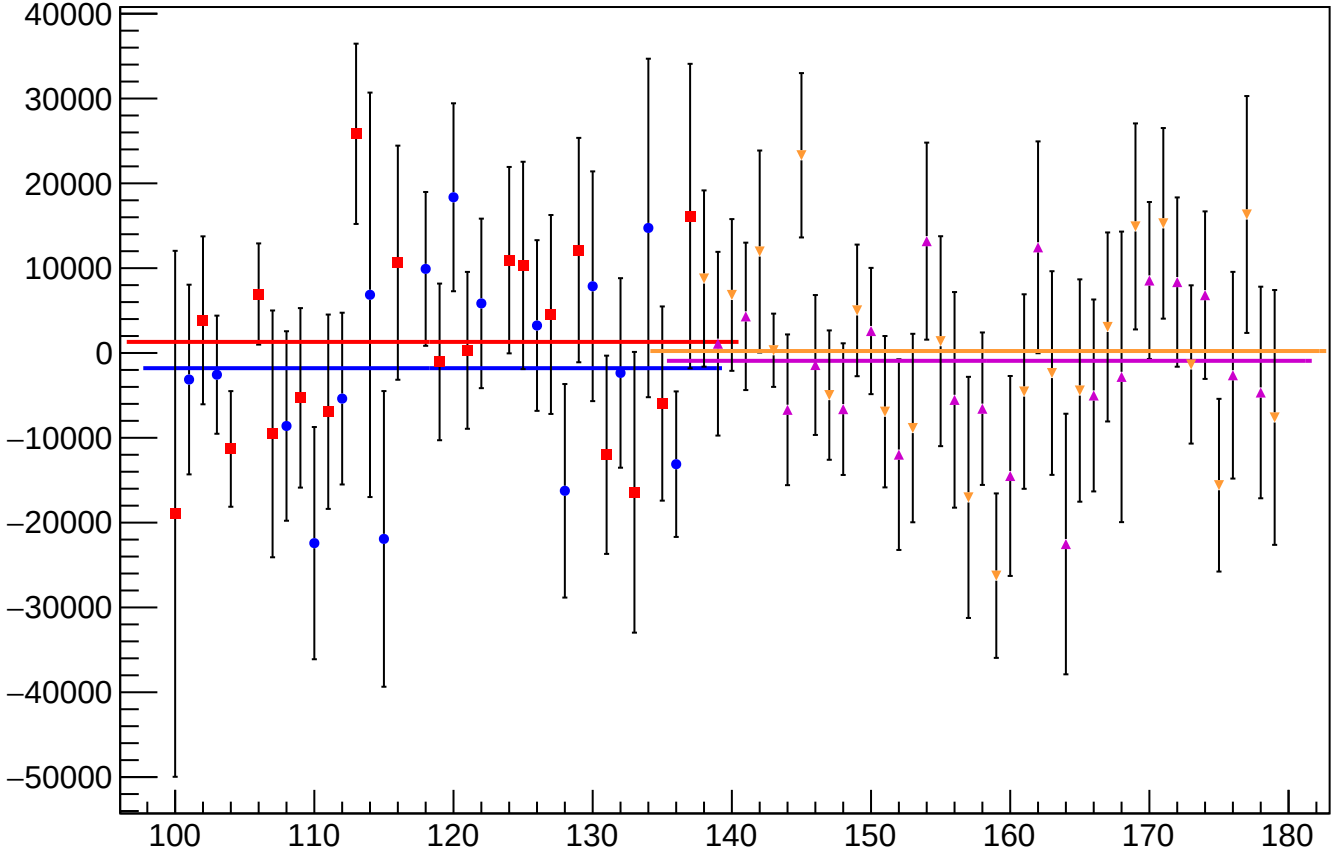
Left In: 1778.776+/-0.312 χ^2/NDF:120273.3/19

+ sign 1751.304+/-0.251 χ^2/NDF: 886344.6/37

All: 1743.794+/-0.179 χ^2/NDF: 1496345.7/76

- sign 1736.114+/-0.254 χ^2/NDF: 608196.5/38

asym_at2_avg_reg_correction_mean vs Slug



Right In: -1791.030+/-2743.617 χ^2/NDF: 14.3/15

Left Out: 229.945+/-2026.567 χ^2/NDF:26.7/21

Right Out: 1306.311+/-2430.063 χ^2/NDF: 17.7/18

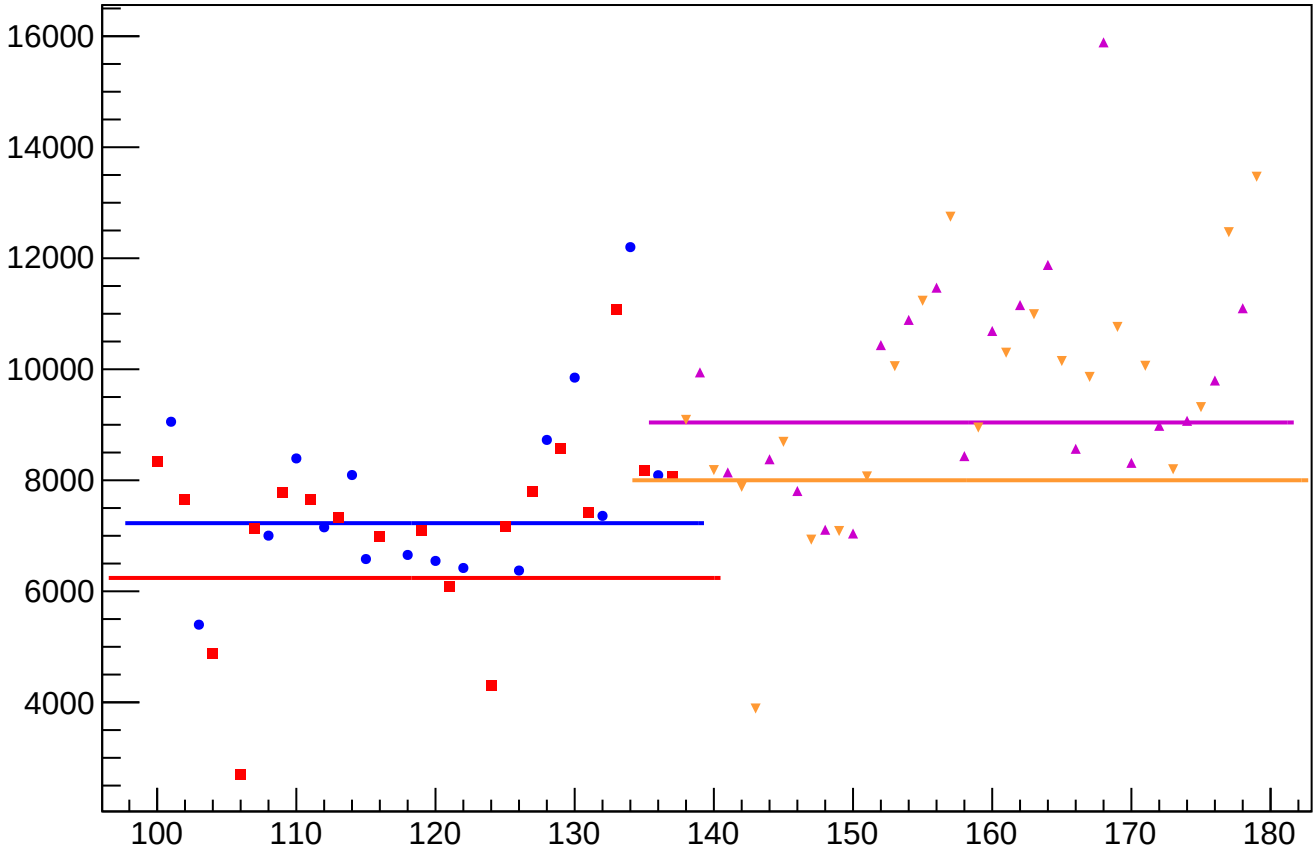
Left In: -924.489+/-2282.808 χ^2/NDF:11.8/19

\+ sign -483.464+/-1630.093 χ^2/NDF: 41.4/37

All: -187.284+/-1164.389 χ^2/NDF: 71.4/76

\- sign 121.277+/-1663.813 χ^2/NDF: 30.0/38

asym_at2_avg_reg_correction_rms vs Slug



Right In: 7227.590+/-1.940 χ^2/NDF: 503260.9/15

Left Out: 8000.267+/-1.433 χ^2/NDF:3350044.4/21

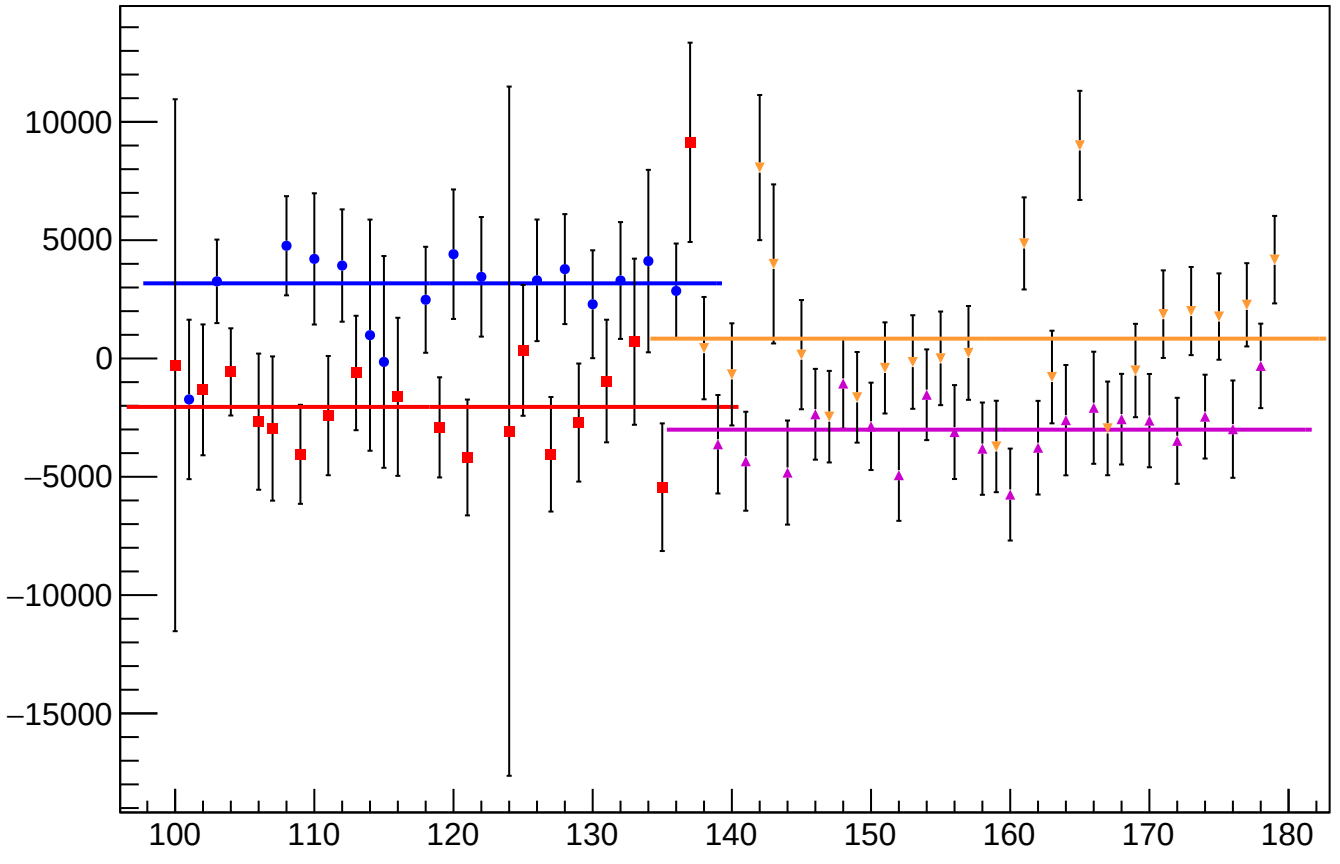
Right Out: 6240.557+/-1.718 χ^2/NDF: 1399077.4/18

Left In: 9041.385+/-1.614 χ^2/NDF:1085724.0/19

+ sign 7727.510+/-1.153 χ^2/NDF: 3955937.0/37

All: 7727.945+/-0.823 χ^2/NDF: 7852099.4/76

- sign 7728.399+/-1.176 χ^2/NDF: 3896162.1/38



Right In: 3175.689+/-627.992 χ^2/NDF: 4.3/15

Left Out: 838.400+/-431.357 χ^2/NDF:44.7/21

Right Out: -2047.209+/-621.498 χ^2/NDF: 14.0/18

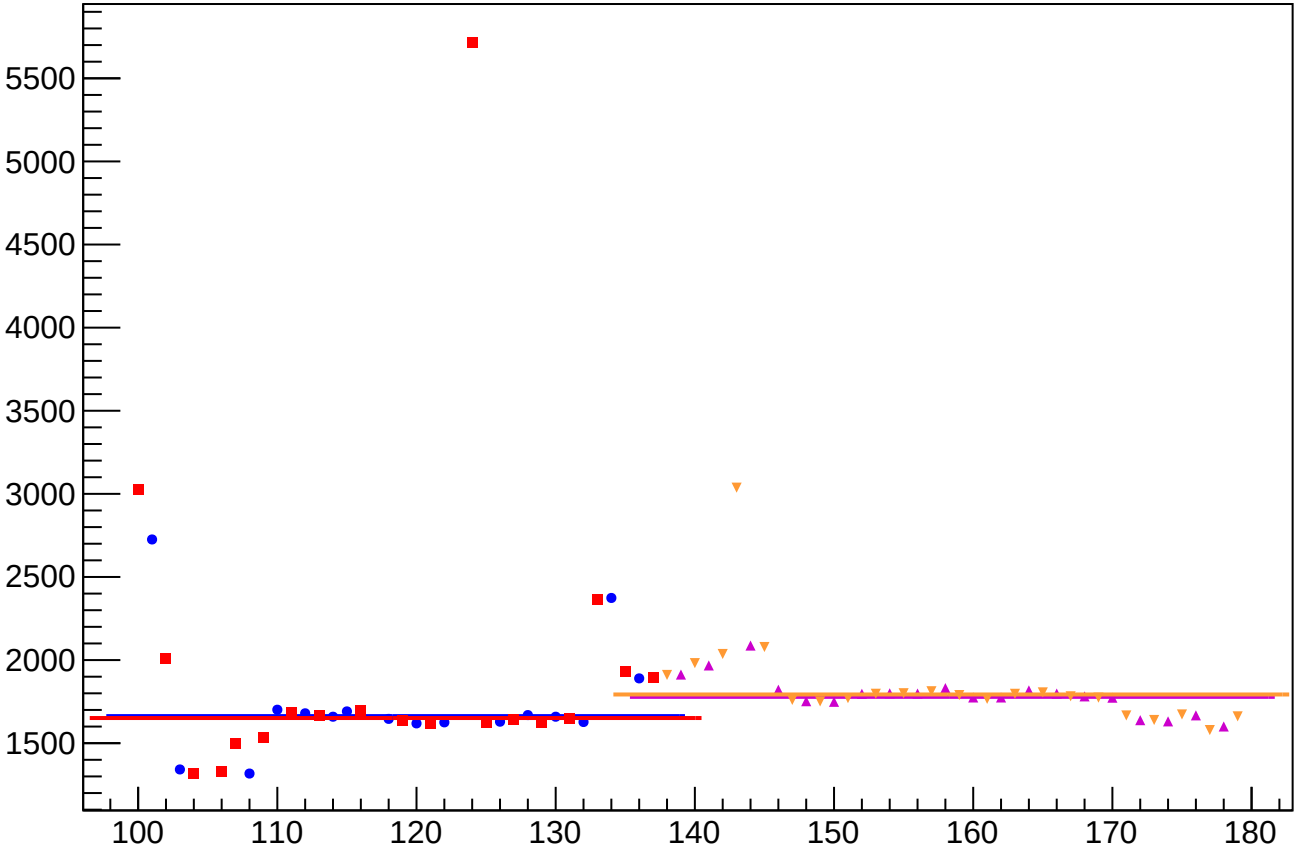
Left In: -3008.394+/-440.841 χ^2/NDF:9.0/19

+ sign 1587.650+/-355.559 χ^2/NDF: 58.4/37

All: -525.531+/-252.824 χ^2/NDF: 154.4/76

- sign -2686.662+/-359.570 χ^2/NDF: 24.6/38

cor_asym_at2_avg_rms vs Slug



Right In: 1662.901+/-0.444 χ^2/NDF: 415631.0/15

Left Out: 1793.013+/-0.305 χ^2/NDF:412382.3/21

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.2/18

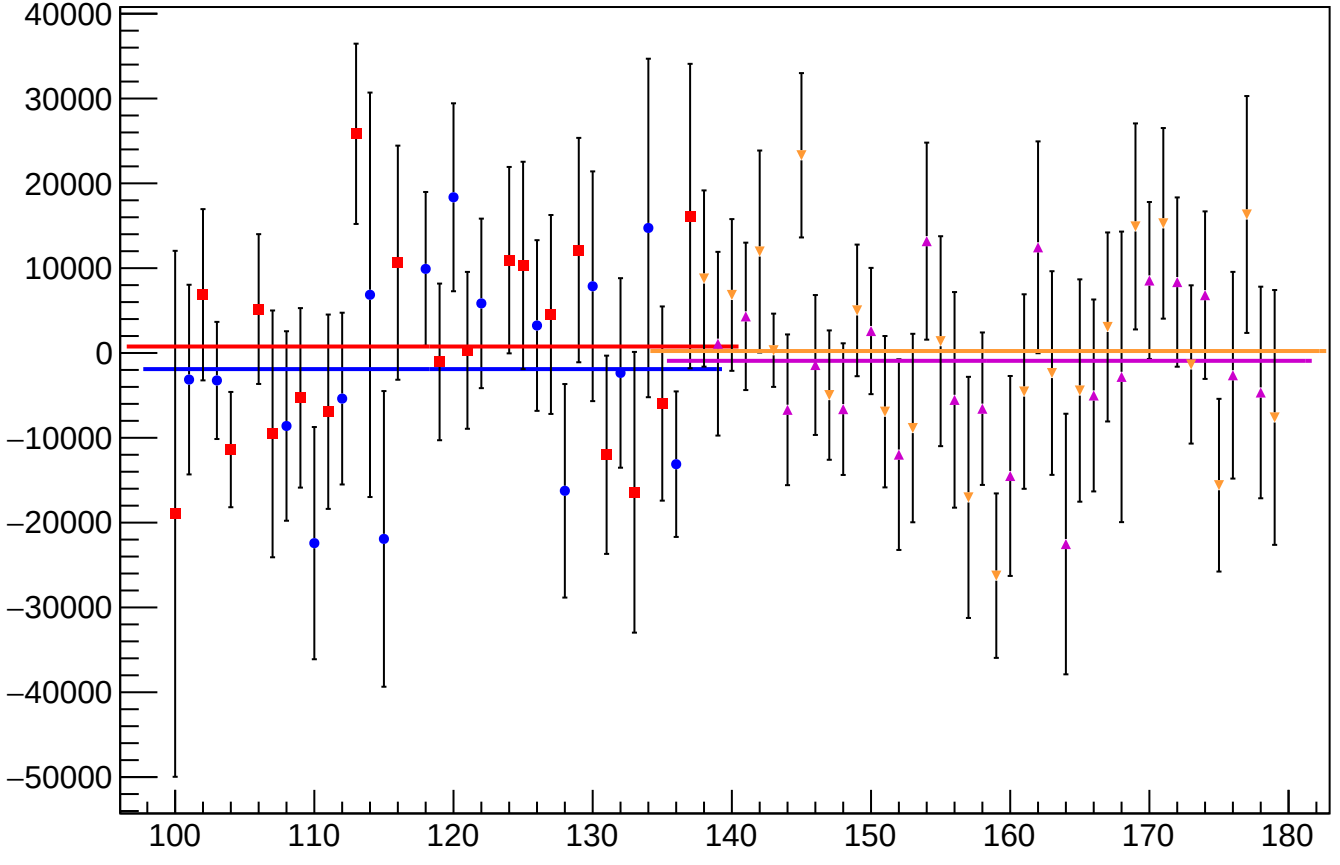
Left In: 1778.776+/-0.312 χ^2/NDF:120273.3/19

+ sign 1751.304+/-0.251 χ^2/NDF: 886345.1/37

All: 1743.794+/-0.179 χ^2/NDF: 1496346.4/76

- sign 1736.114+/-0.254 χ^2/NDF: 608196.7/38

asym_at2_avg_cor_correction_mean vs Slug



Right In: -1900.125+/-2739.954 χ^2/NDF: 14.4/15

Left Out: 229.877+/-2026.562 χ^2/NDF:26.7/21

Right Out: 762.513+/-2549.943 χ^2/NDF: 17.3/18

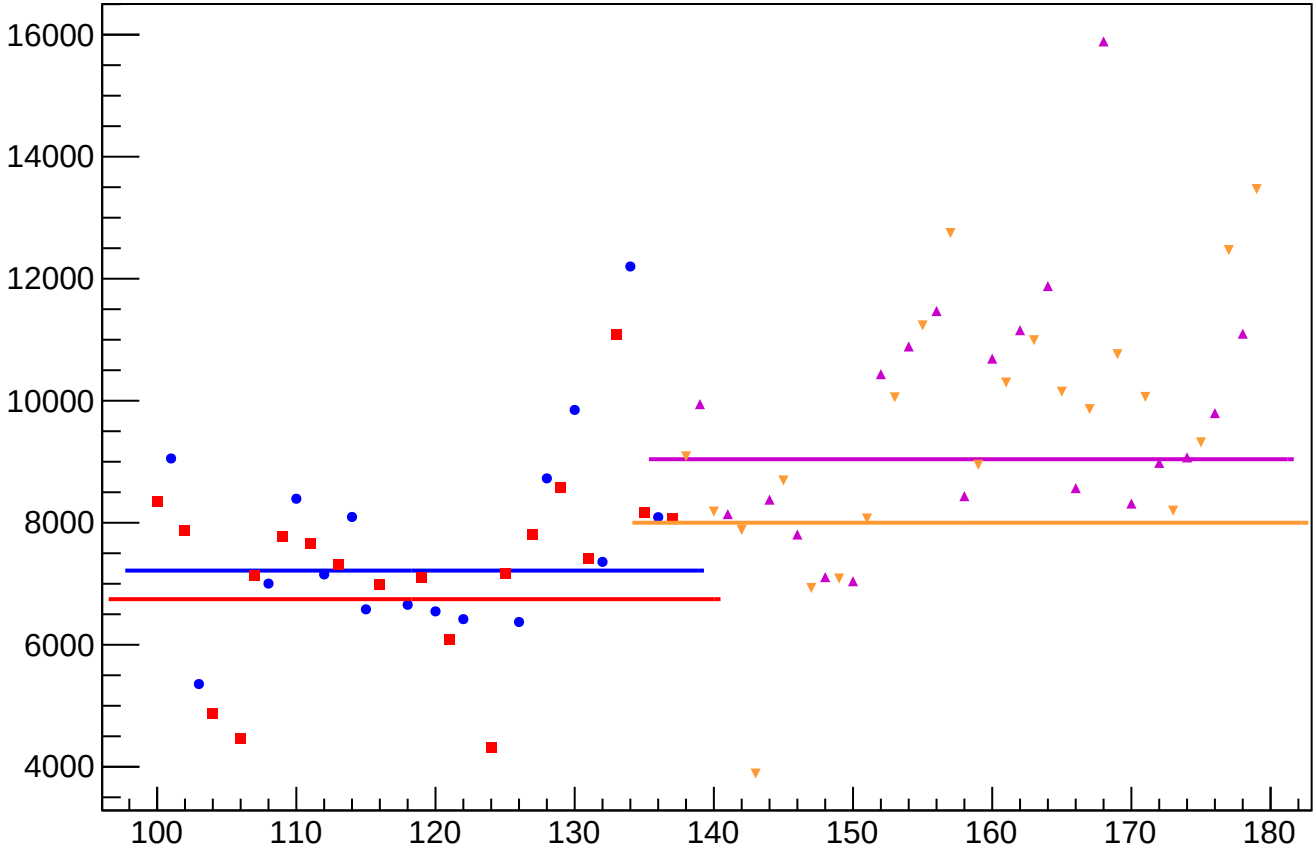
Left In: -924.558+/-2282.807 χ^2/NDF:11.8/19

\+ sign -523.317+/-1629.321 χ^2/NDF: 41.4/37

All: -356.151+/-1176.568 χ^2/NDF: 70.8/76

\- sign -173.993+/-1700.818 χ^2/NDF: 29.3/38

asym_at2_avg_cor_correction_rms vs Slug



Right In: 7216.029+/-1.937 χ^2/NDF: 512126.4/15

Left Out: 8000.237+/-1.433 χ^2/NDF:3350119.6/21

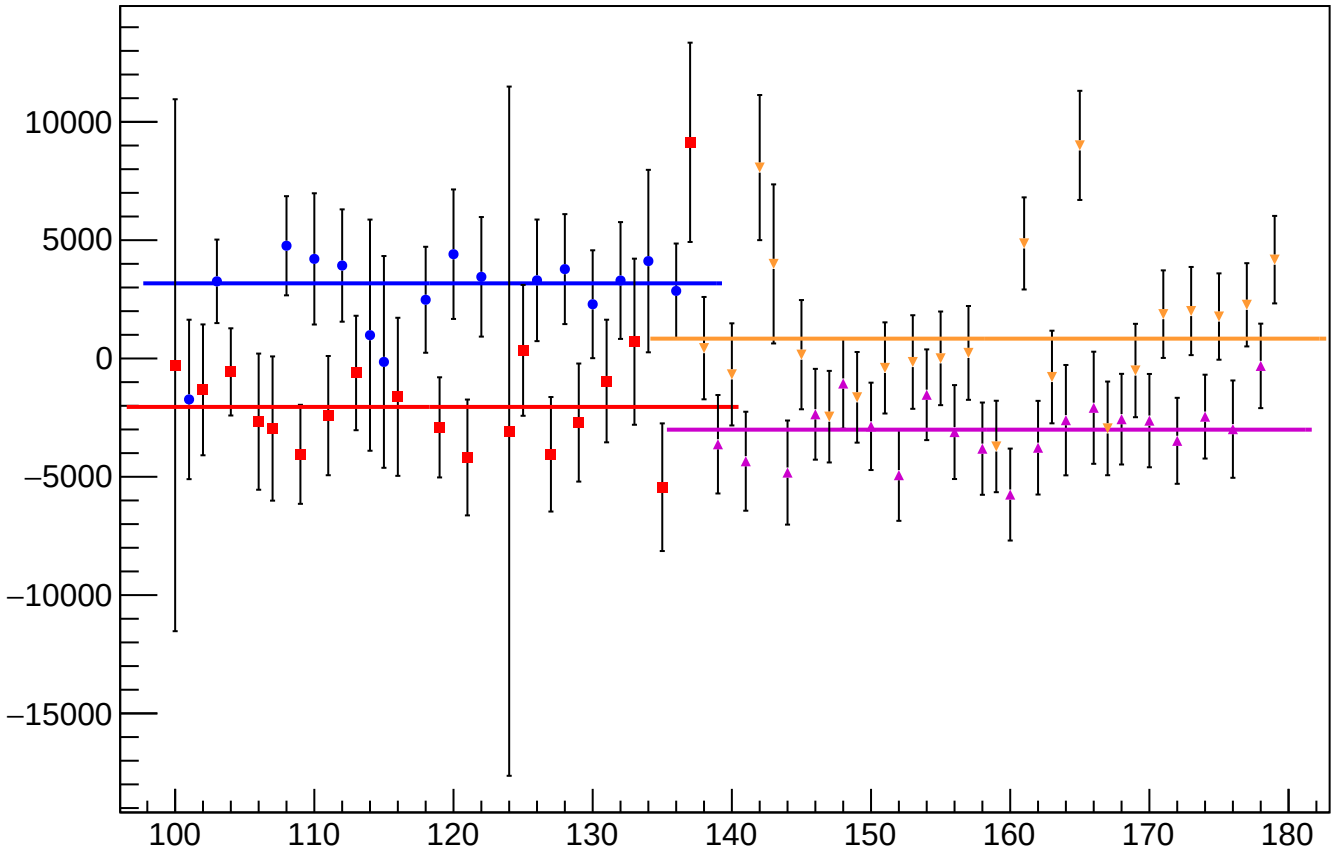
Right Out: 6747.736+/-1.803 χ^2/NDF: 708793.3/18

Left In: 9041.379+/-1.614 χ^2/NDF:1085728.6/19

+ sign 7722.932+/-1.152 χ^2/NDF: 3968146.7/37

All: 7865.548+/-0.832 χ^2/NDF: 6692941.3/76

- sign 8020.956+/-1.203 χ^2/NDF: 2692773.5/38



Right In: 3175.689+/-627.992 χ^2/NDF: 4.3/15

Left Out: 838.400+/-431.357 χ^2/NDF:44.7/21

Right Out: -2047.209+/-621.498 χ^2/NDF: 14.0/18

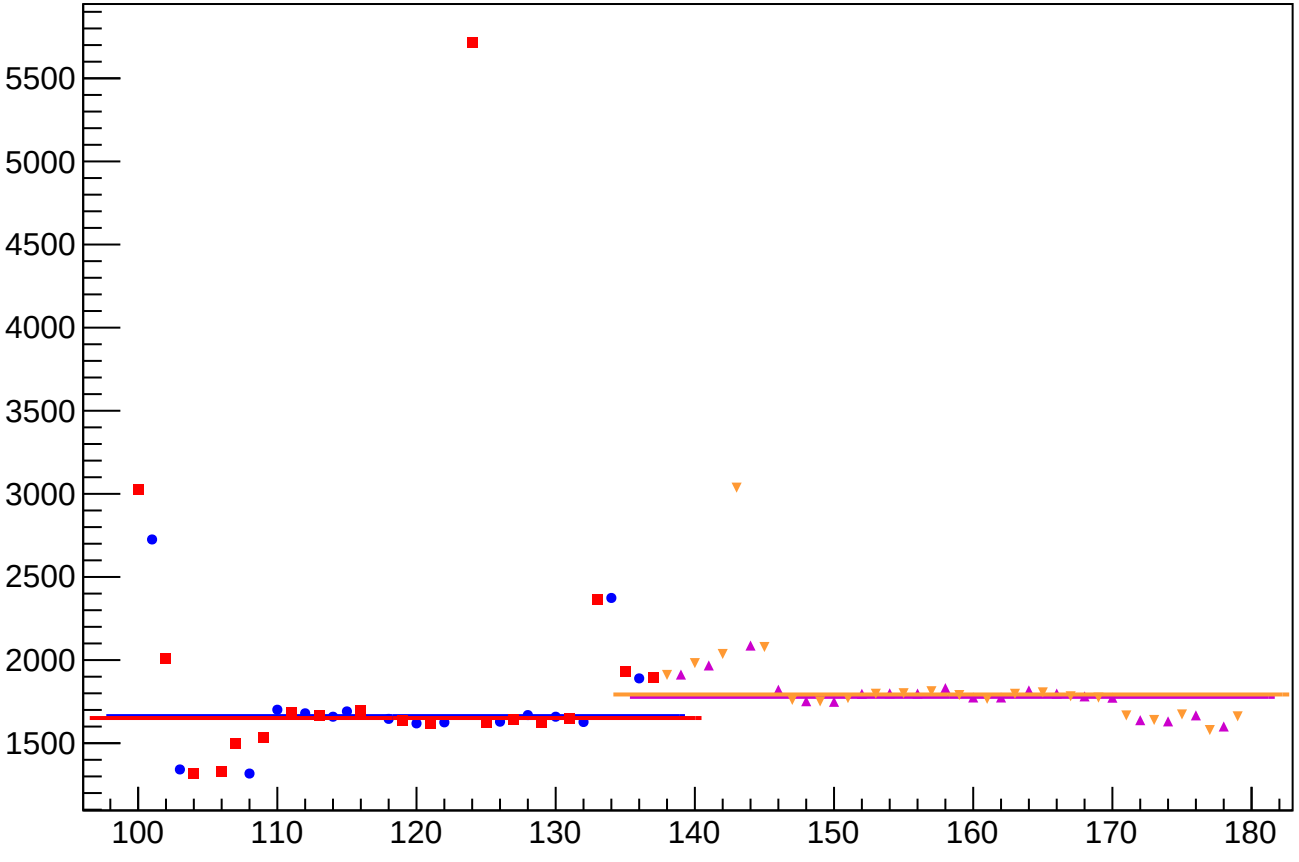
Left In: -3008.394+/-440.841 χ^2/NDF:9.0/19

+ sign 1587.650+/-355.559 χ^2/NDF: 58.4/37

All: -525.531+/-252.824 χ^2/NDF: 154.4/76

- sign -2686.662+/-359.570 χ^2/NDF: 24.6/38

eigen_cor_asym_at2_avg_rms vs Slug



Right In: 1662.901+/-0.444 χ^2/NDF: 415631.0/15

Left Out: 1793.013+/-0.305 χ^2/NDF:412382.3/21

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.2/18

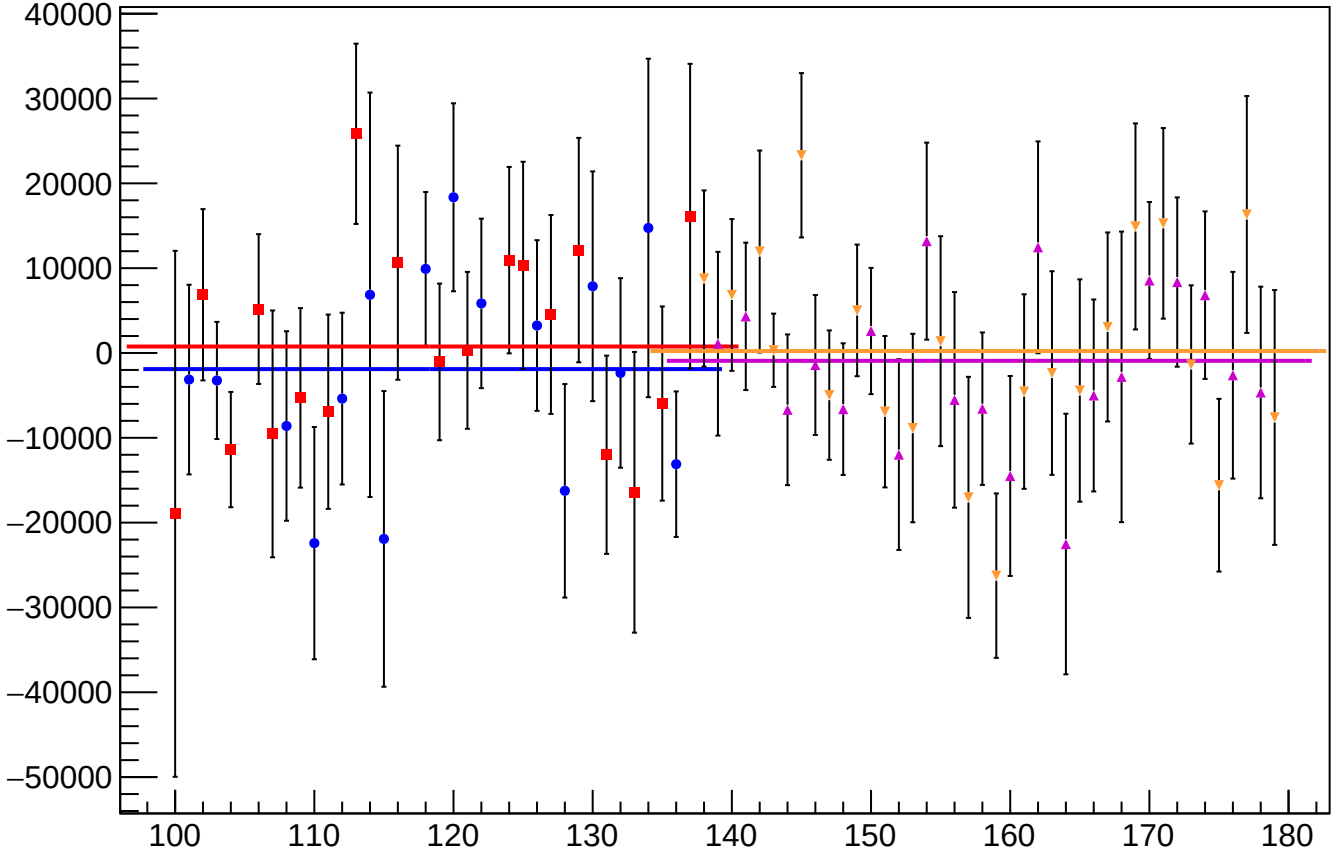
Left In: 1778.776+/-0.312 χ^2/NDF:120273.3/19

+ sign 1751.304+/-0.251 χ^2/NDF: 886345.1/37

All: 1743.794+/-0.179 χ^2/NDF: 1496346.4/76

- sign 1736.114+/-0.254 χ^2/NDF: 608196.7/38

asym_at2_avg_eigen_cor_correction_mean vs Slug



Right In: -1900.125+/-2739.954 χ^2/NDF: 14.4/15

Left Out: 229.877+/-2026.562 χ^2/NDF:26.7/21

Right Out: 762.513+/-2549.943 χ^2/NDF: 17.3/18

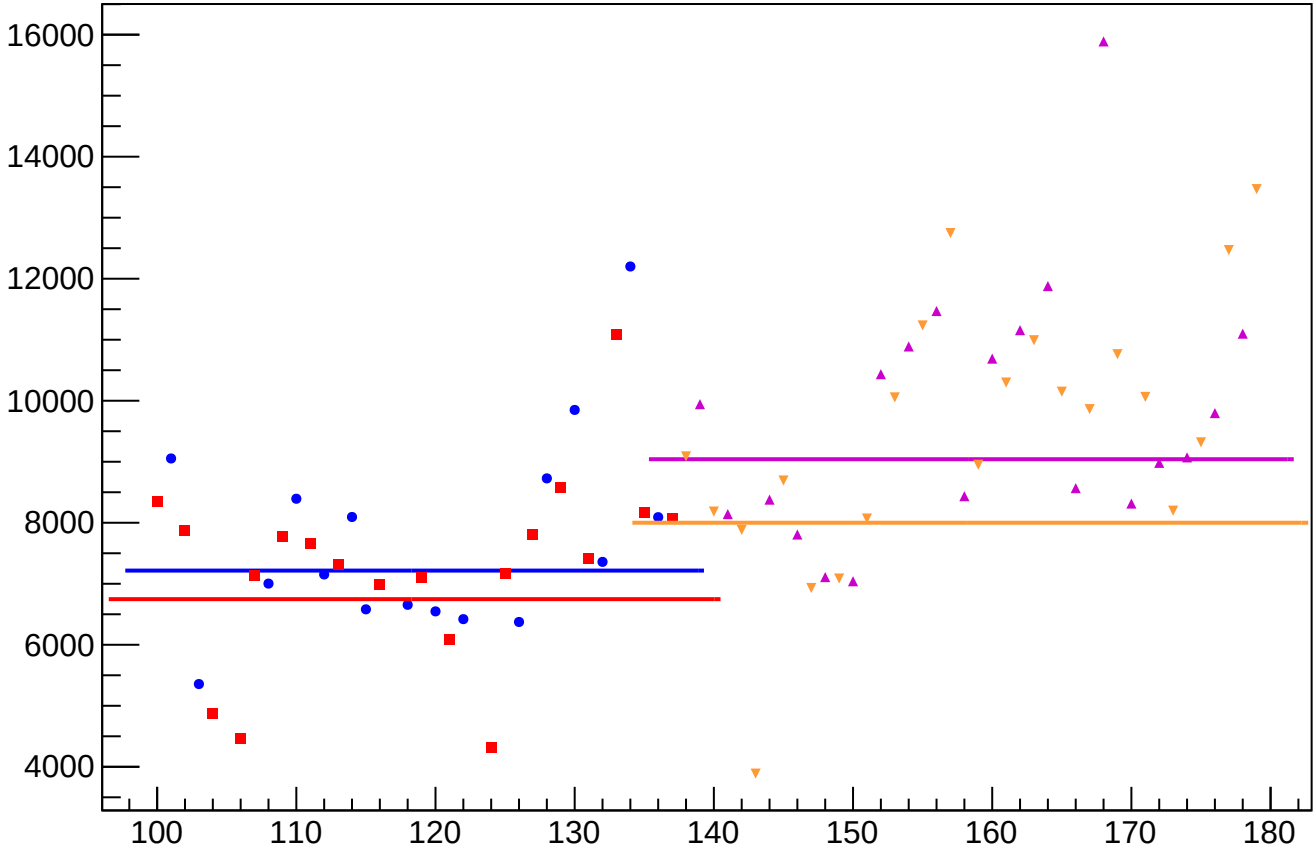
Left In: -924.558+/-2282.807 χ^2/NDF:11.8/19

\+ sign -523.317+/-1629.321 χ^2/NDF: 41.4/37

All: -356.151+/-1176.568 χ^2/NDF: 70.8/76

\- sign -173.993+/-1700.818 χ^2/NDF: 29.3/38

asym_at2_avg_eigen_cor_correction_rms vs Slug



Right In: 7216.029+/-1.937 χ^2/NDF: 512126.4/15

Left Out: 8000.237+/-1.433 χ^2/NDF:3350119.6/21

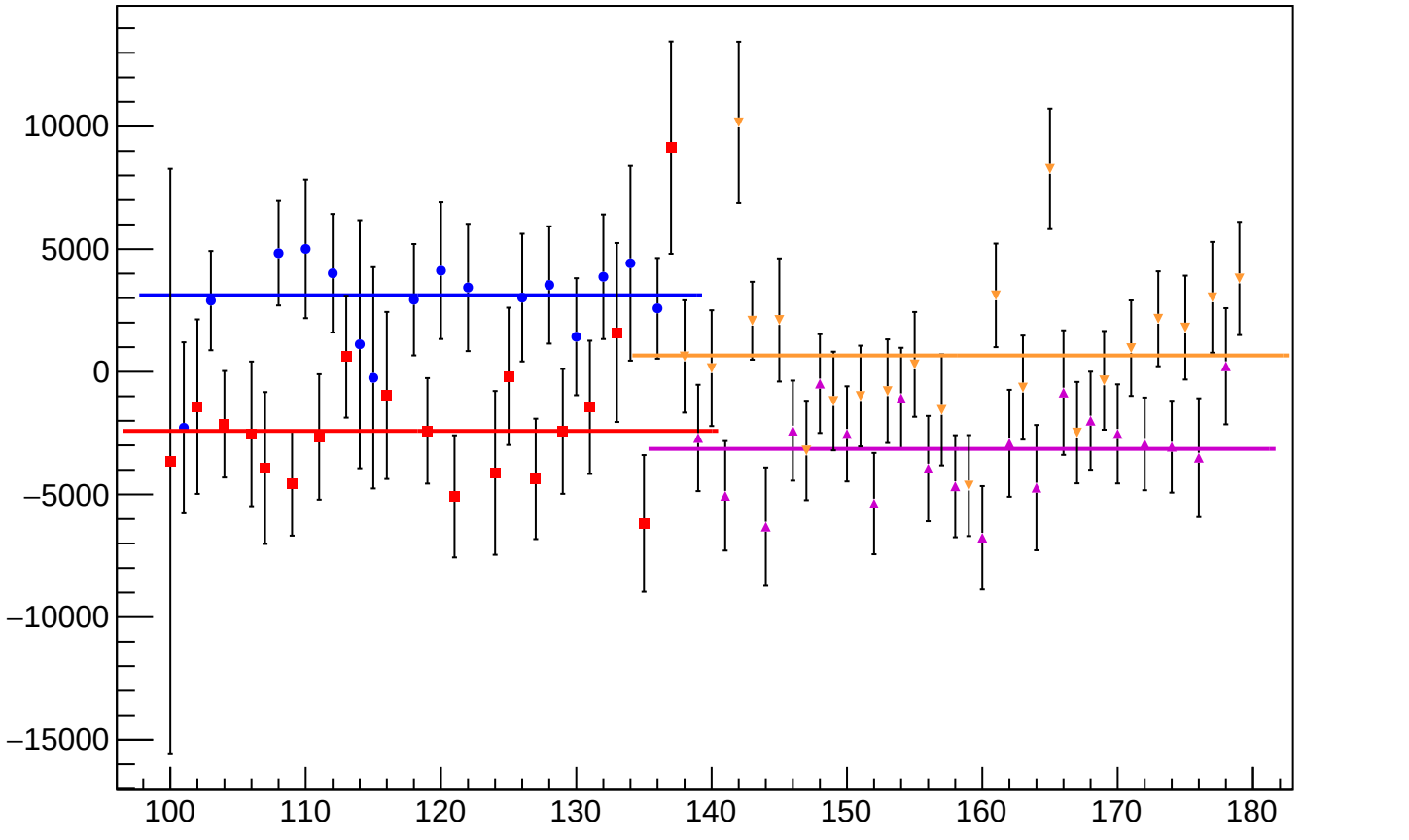
Right Out: 6747.736+/-1.803 χ^2/NDF: 708793.3/18

Left In: 9041.379+/-1.614 χ^2/NDF:1085728.6/19

+ sign 7722.932+/-1.152 χ^2/NDF: 3968146.7/37

All: 7865.548+/-0.832 χ^2/NDF: 6692941.3/76

- sign 8020.956+/-1.203 χ^2/NDF: 2692773.5/38



Right In: 3117.878+/-651.119 χ^2/NDF: 5.3/15

Left Out: 662.425+/-453.799 χ^2/NDF:40.5/21

Right Out: -2412.473+/-639.018 χ^2/NDF: 16.0/18

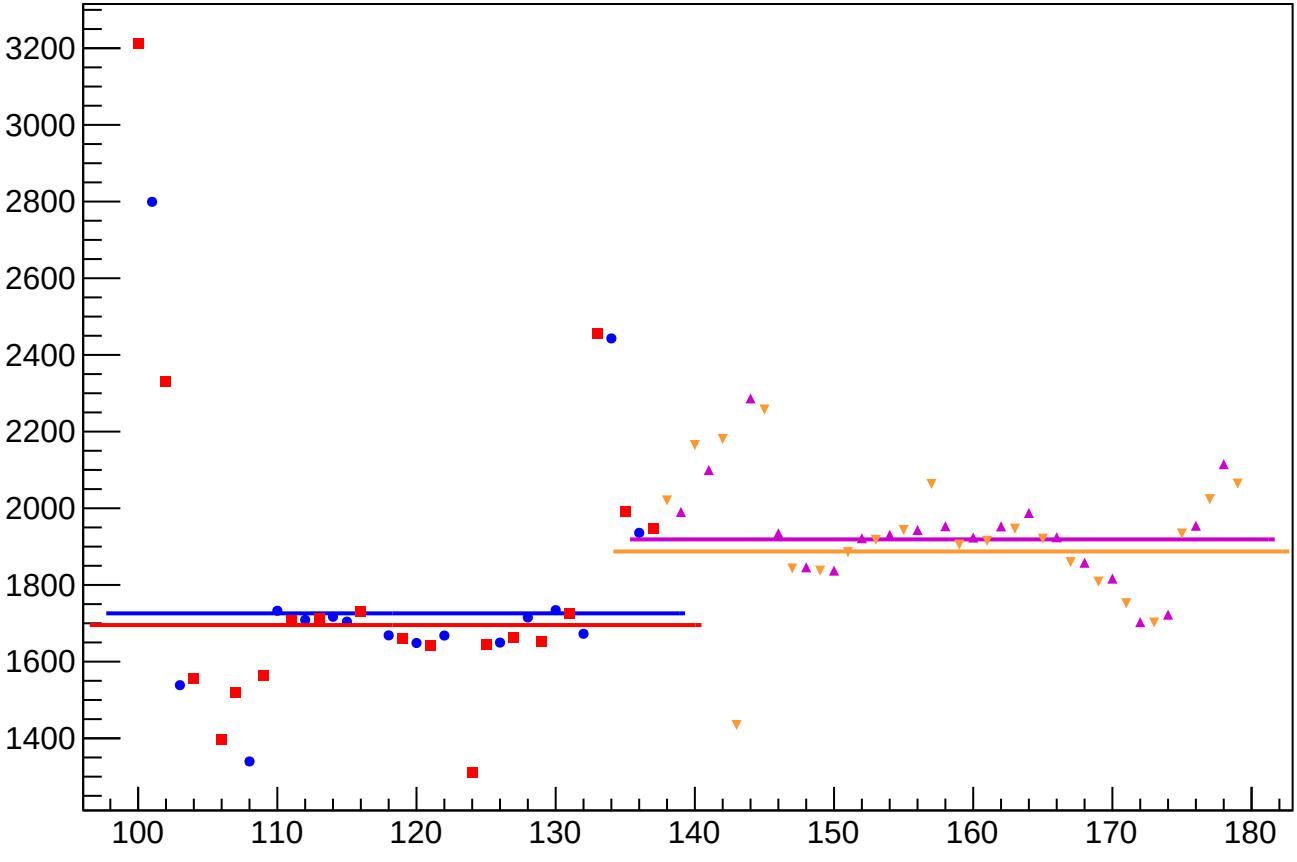
Left In: -3142.435+/-475.960 χ^2/NDF:14.0/19

+ sign 1465.201+/-372.299 χ^2/NDF: 55.4/37

All: -654.116+/-266.521 χ^2/NDF: 152.7/76

- sign -2881.971+/-381.713 χ^2/NDF: 30.8/38

dit_asym_at2_avg_rms vs Slug



Right In: 1725.911+/-0.460 χ^2/NDF: 365638.9/15

Left Out: 1887.344+/-0.321 χ^2/NDF:326541.9/21

Right Out: 1695.387+/-0.452 χ^2/NDF: 285622.0/18

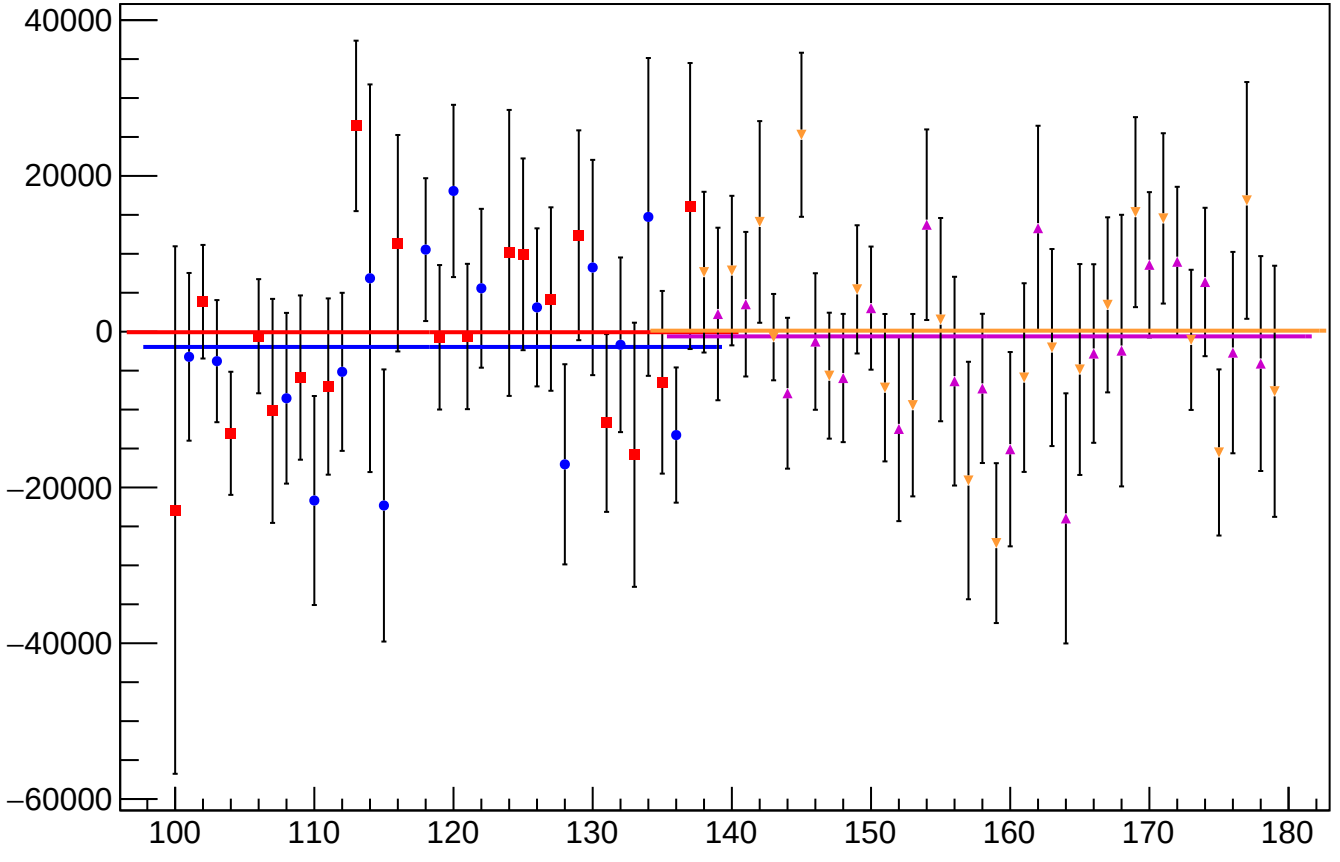
Left In: 1918.836+/-0.337 χ^2/NDF:140218.4/19

+ sign 1834.565+/-0.263 χ^2/NDF: 774927.3/37

All: 1836.760+/-0.188 χ^2/NDF: 1358272.3/76

- sign 1839.067+/-0.270 χ^2/NDF: 583202.5/38

asym_at2_avg_dit_correction_mean vs Slug



Right In: -1958.559+/-2798.309 χ^2/NDF: 14.4/15

Left Out: 130.714+/-2199.048 χ^2/NDF:26.3/21

Right Out: -68.156+/-2529.527 χ^2/NDF: 16.1/18

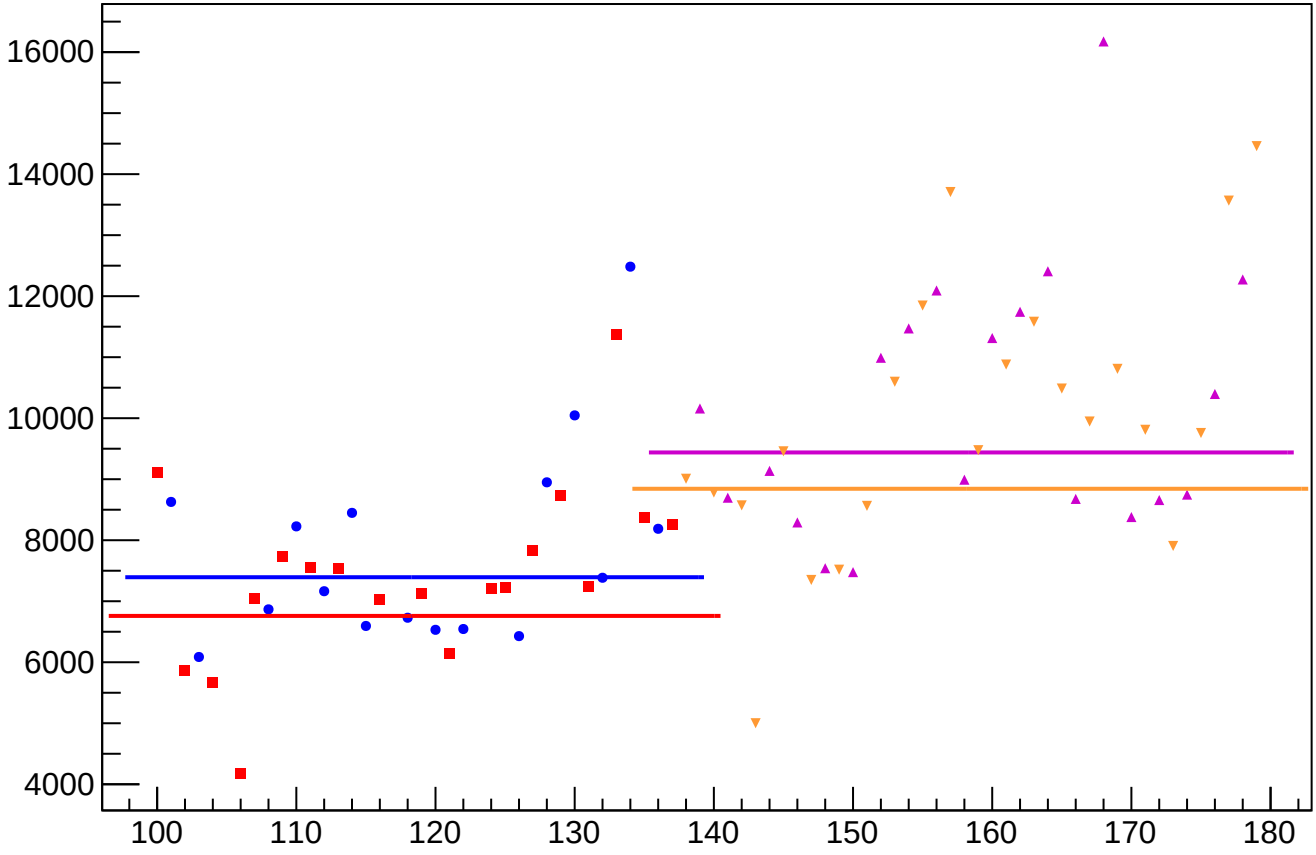
Left In: -602.790+/-2383.440 χ^2/NDF:11.7/19

+ sign -666.938+/-1729.038 χ^2/NDF: 41.1/37

All: -509.662+/-1224.609 χ^2/NDF: 68.9/76

- sign -351.357+/-1734.693 χ^2/NDF: 27.9/38

asym_at2_avg_dit_correction_rms vs Slug



Right In: 7393.622+/-1.979 χ^2/NDF: 401826.8/15

Left Out: 8843.374+/-1.555 χ^2/NDF:2191946.6/21

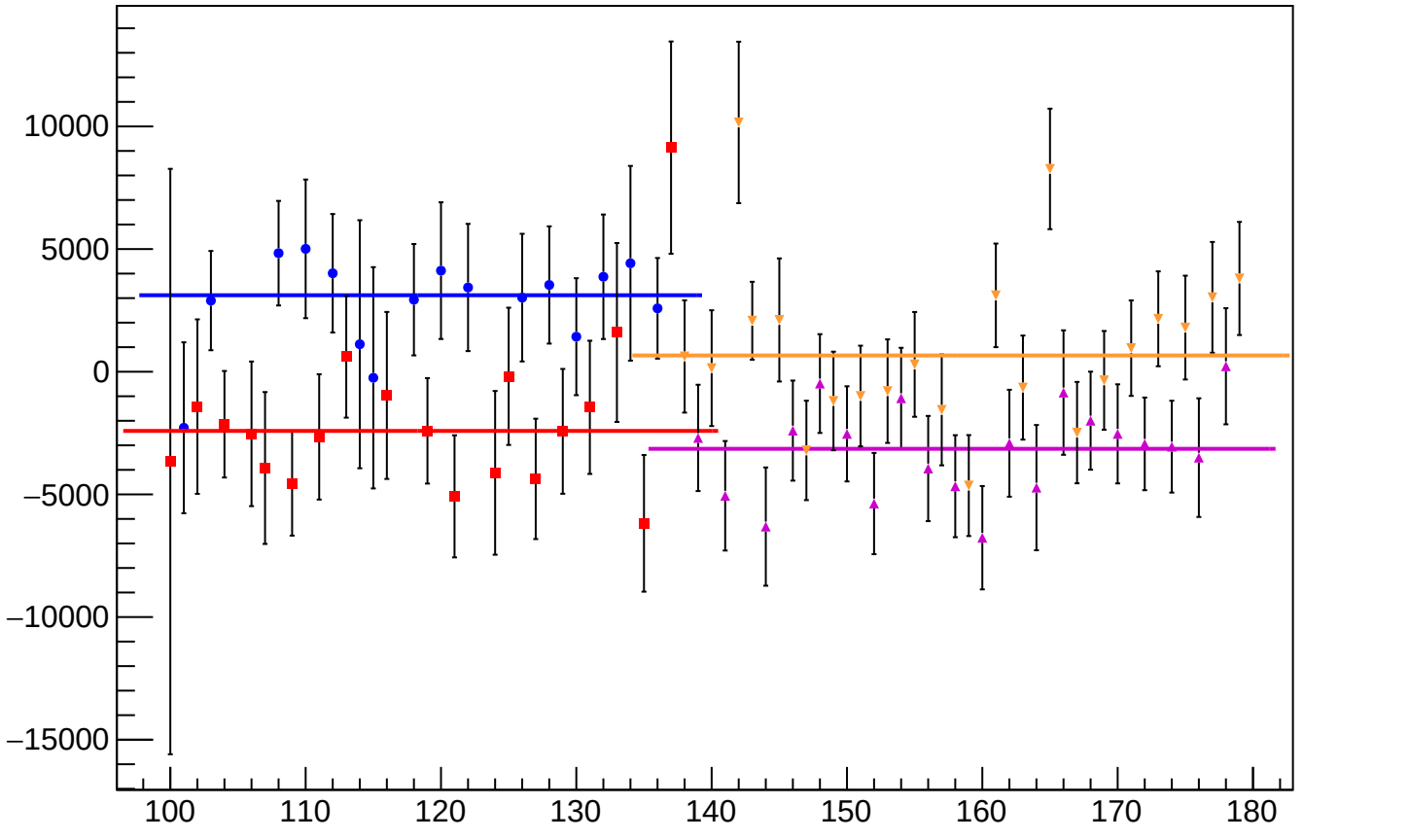
Right Out: 6759.428+/-1.789 χ^2/NDF: 644290.9/18

Left In: 9438.646+/-1.685 χ^2/NDF:1086742.2/19

+ sign 8289.882+/-1.223 χ^2/NDF: 2925641.7/37

All: 8234.439+/-0.866 χ^2/NDF: 5849316.6/76

- sign 8178.633+/-1.227 χ^2/NDF: 2919548.6/38



Right In: 3117.882+/-651.118 χ^2/NDF: 5.3/15

Left Out: 662.415+/-453.800 χ^2/NDF:40.5/21

Right Out: -2412.481+/-639.018 χ^2/NDF: 16.0/18

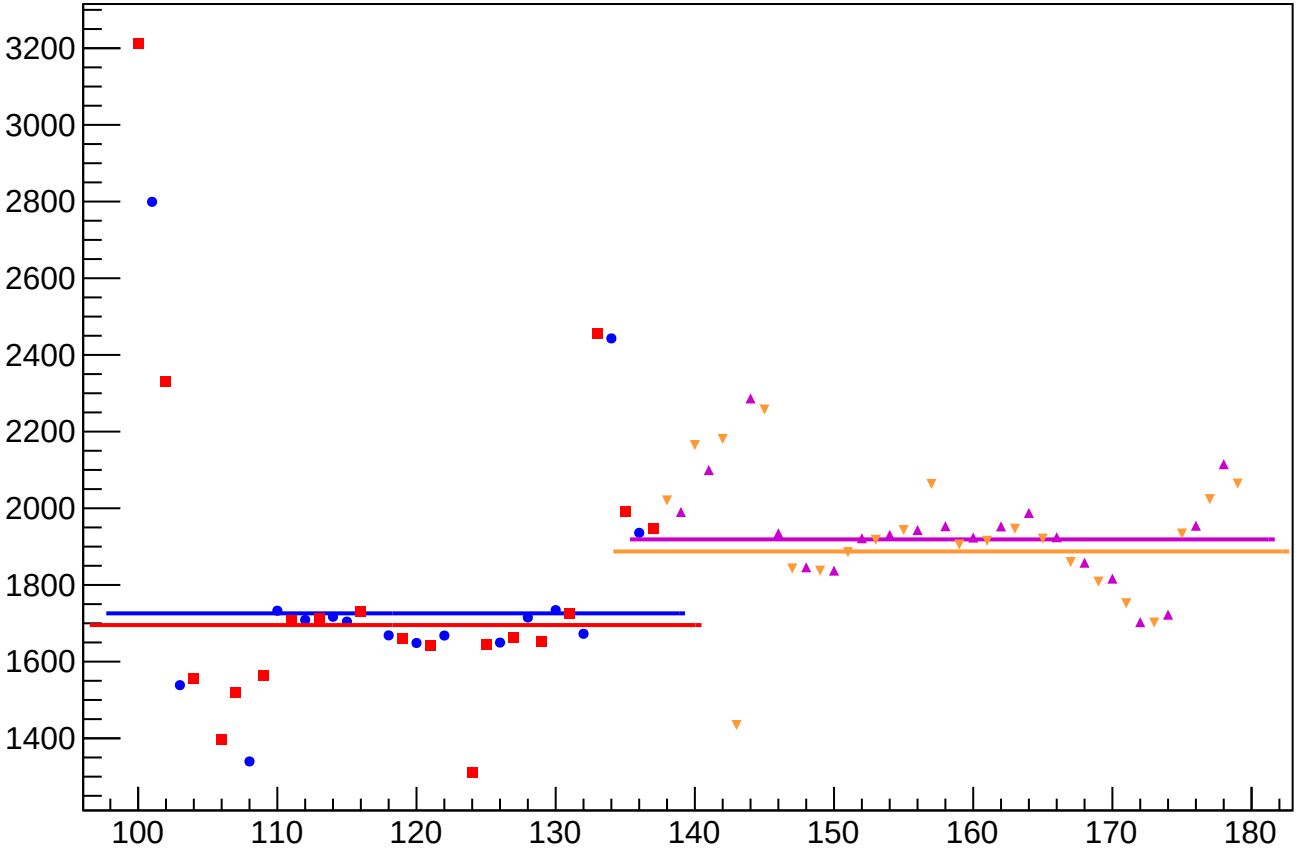
Left In: -3142.440+/-475.960 χ^2/NDF:14.0/19

+ sign 1465.198+/-372.299 χ^2/NDF: 55.4/37

All: -654.121+/-266.521 χ^2/NDF: 152.7/76

- sign -2881.976+/-381.713 χ^2/NDF: 30.8/38

eigen_dit_asym_at2_avg_rms vs Slug



Right In: 1725.910+/-0.460 χ^2/NDF: 365639.0/15

Left Out: 1887.347+/-0.321 χ^2/NDF:326550.0/21

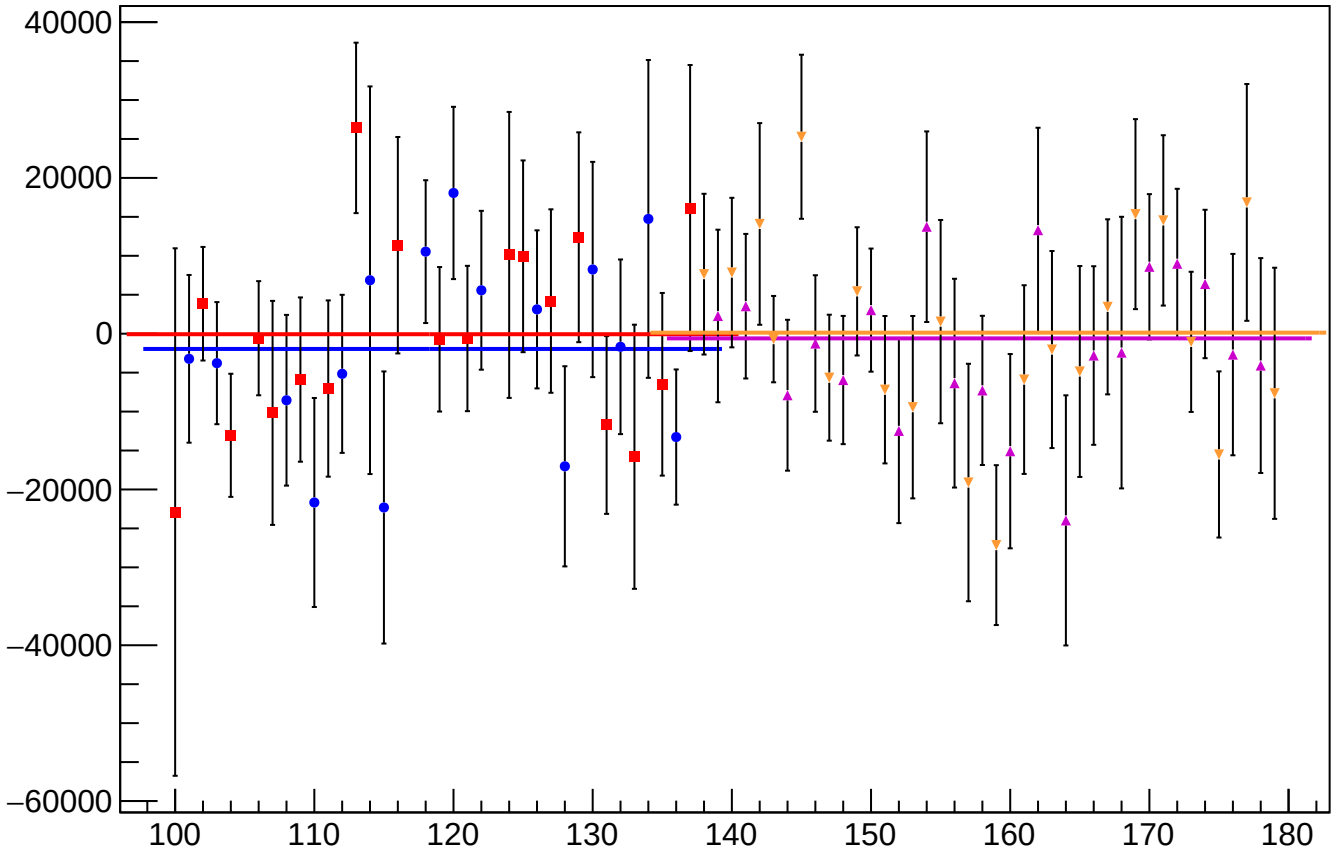
Right Out: 1695.387+/-0.452 χ^2/NDF: 285622.3/18

Left In: 1918.839+/-0.337 χ^2/NDF:140225.0/19

+ sign 1834.567+/-0.263 χ^2/NDF: 774939.0/37

All: 1836.762+/-0.188 χ^2/NDF: 1358295.3/76

- sign 1839.069+/-0.270 χ^2/NDF: 583213.7/38



Right In: -1958.538+/-2798.302 χ^2/NDF: 14.4/15

Left Out: 130.708+/-2199.051 χ^2/NDF:26.3/21

Right Out: -68.163+/-2529.521 χ^2/NDF: 16.1/18

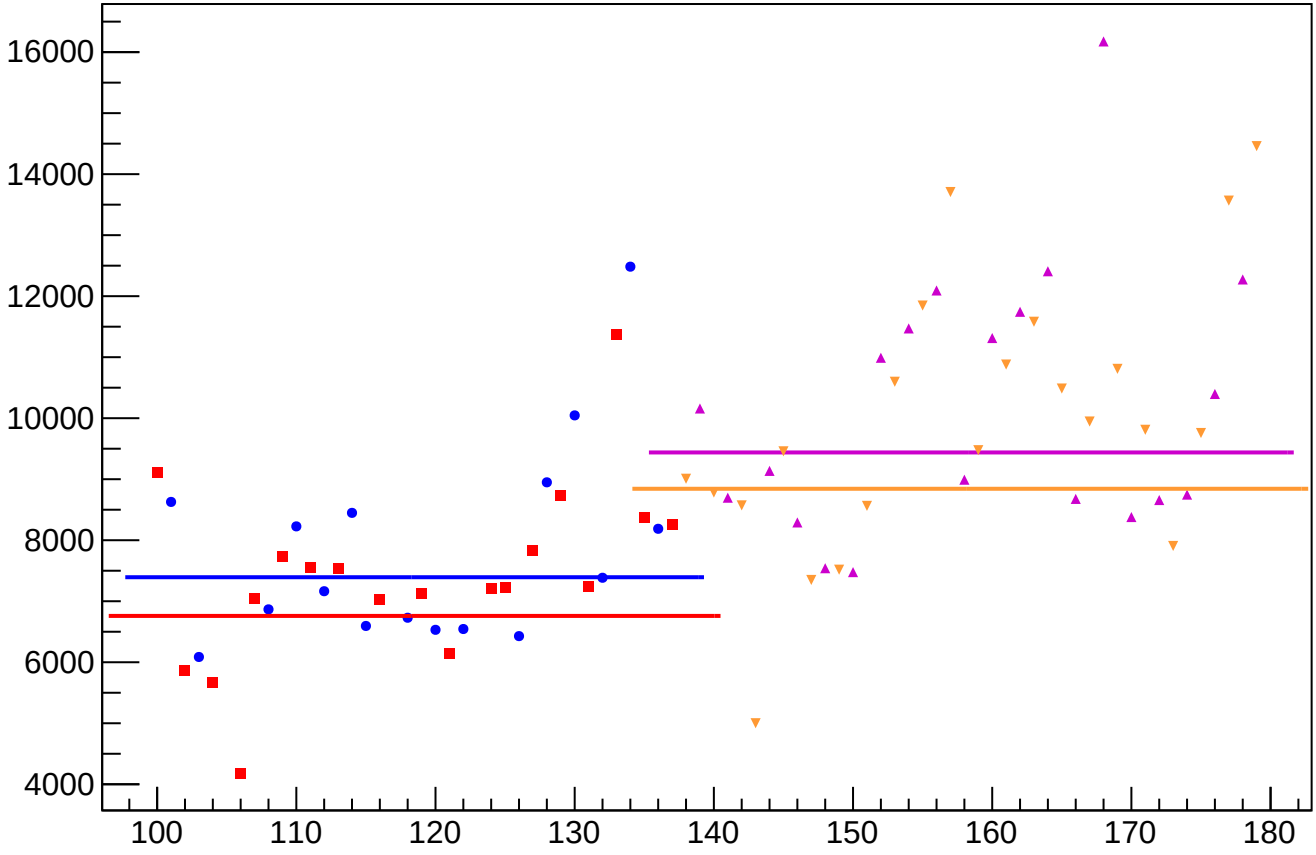
Left In: -602.790+/-2383.443 χ^2/NDF:11.7/19

\+ sign -666.937+/-1729.039 χ^2/NDF: 41.1/37

All: -509.663+/-1224.609 χ^2/NDF: 68.9/76

\- sign -351.358+/-1734.693 χ^2/NDF: 27.9/38

asym_at2_avg_eigen_dit_correction_rms vs Slug



Right In: 7393.605+/-1.979 χ^2/NDF: 401829.0/15

Left Out: 8843.389+/-1.555 χ^2/NDF:2191948.3/21

Right Out: 6759.413+/-1.789 χ^2/NDF: 644289.7/18

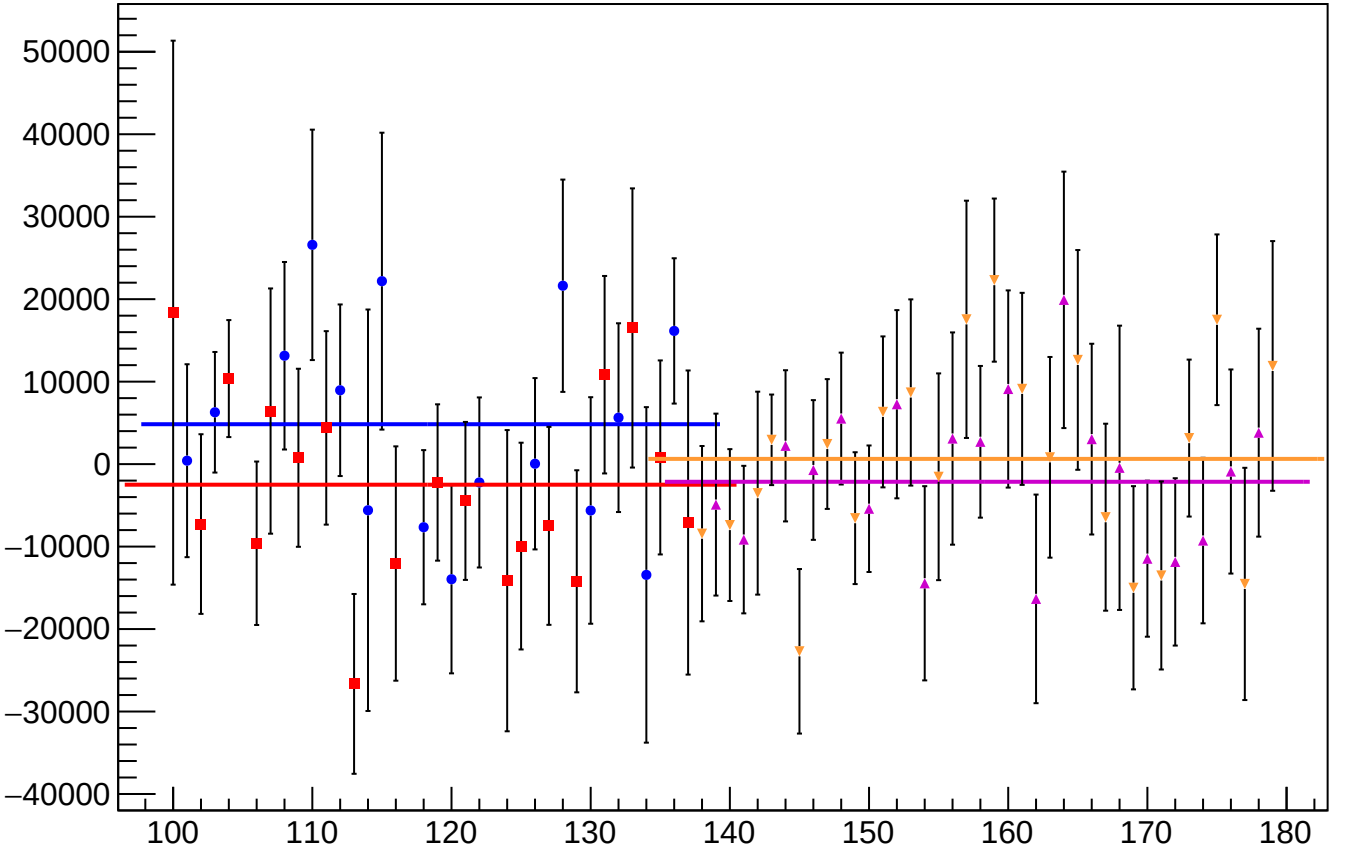
Left In: 9438.660+/-1.685 χ^2/NDF:1086744.9/19

+ sign 8289.881+/-1.223 χ^2/NDF: 2925660.9/37

All: 8234.437+/-0.866 χ^2/NDF: 5849364.0/76

- sign 8178.629+/-1.227 χ^2/NDF: 2919576.5/38

asym_at2_avg_mean vs Slug



Right In: 4837.820+/-2828.918 χ^2/NDF: 14.3/15

Left Out: 634.614+/-2156.244 χ^2/NDF:24.5/21

Right Out: -2495.844+/-2695.530 χ^2/NDF: 14.9/18

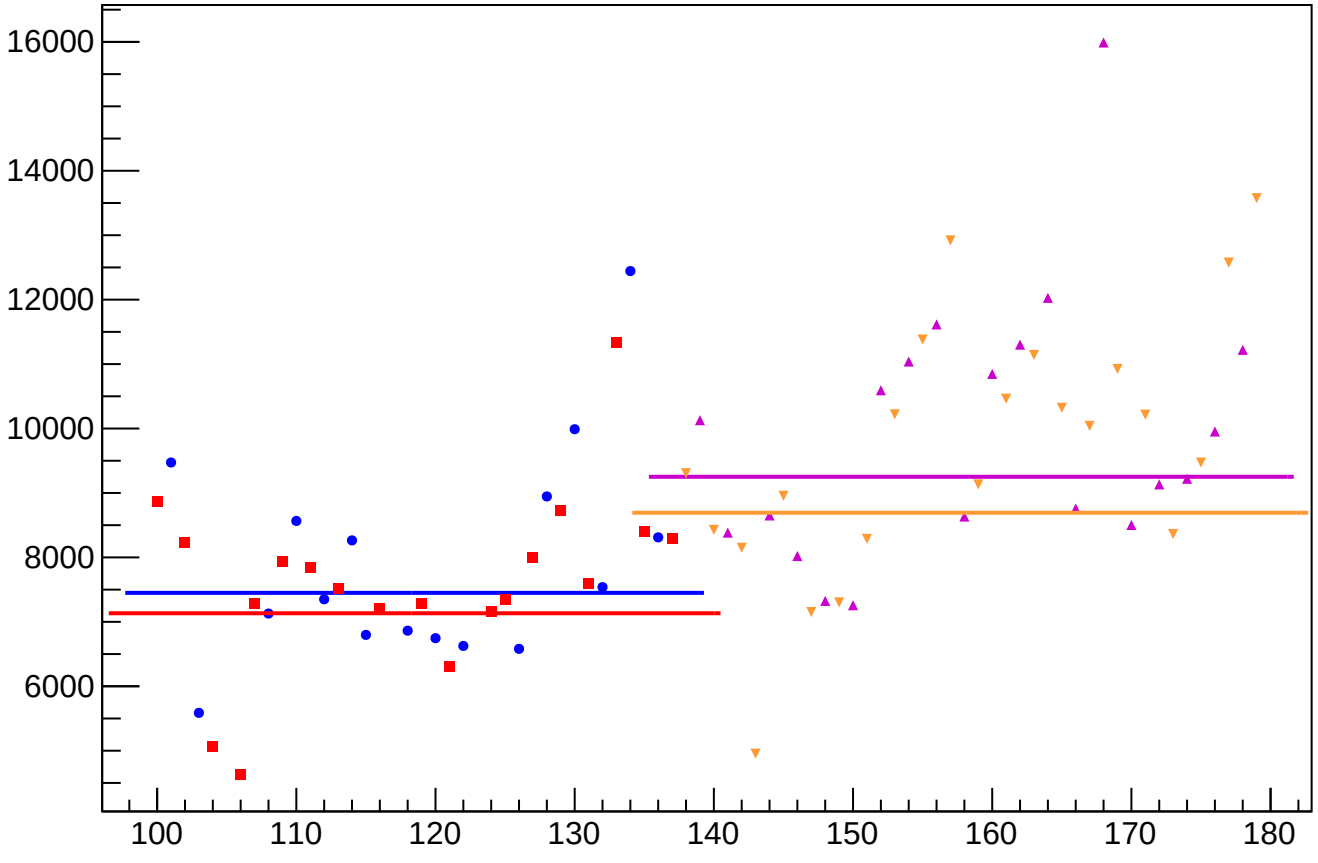
Left In: -2141.529+/-2332.489 χ^2/NDF:11.2/19

+ sign 2179.199+/-1714.888 χ^2/NDF: 40.3/37

All: 5.871+/-1229.542 χ^2/NDF: 69.8/76

- sign -2293.236+/-1763.814 χ^2/NDF: 26.2/38

asym_at2_avg_rms vs Slug



Right In: 7449.985+/-2.000 χ^2/NDF: 486427.7/15

Left Out: 8693.023+/-1.525 χ^2/NDF:2047889.6/21

Right Out: 7133.115+/-1.906 χ^2/NDF: 556993.0/18

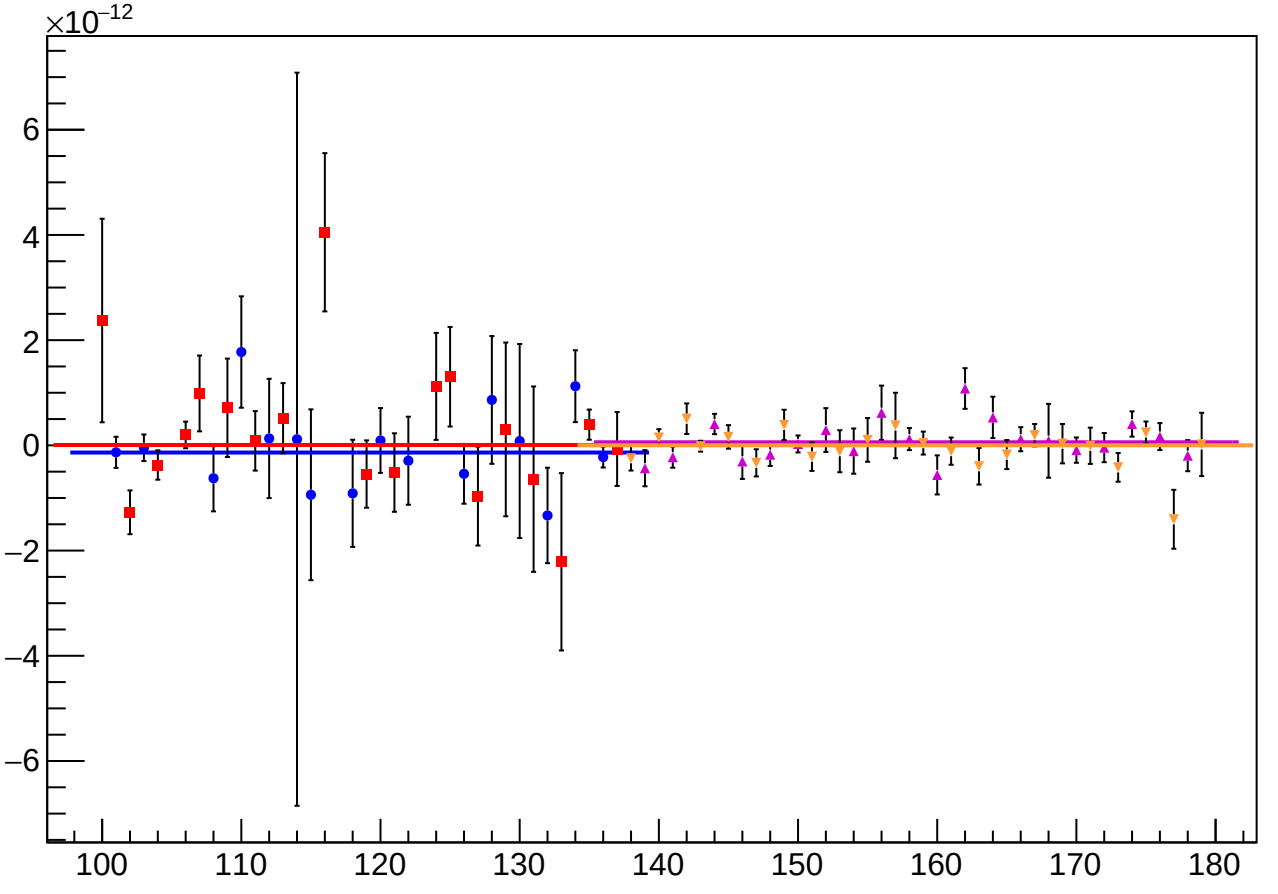
Left In: 9251.001+/-1.649 χ^2/NDF:1013238.3/19

+ sign 8236.230+/-1.213 χ^2/NDF: 2778569.7/37

All: 8288.655+/-0.869 χ^2/NDF: 5058717.5/76

- sign 8344.111+/-1.247 χ^2/NDF: 2276301.5/38

asym_at2_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 11.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:22.9/21

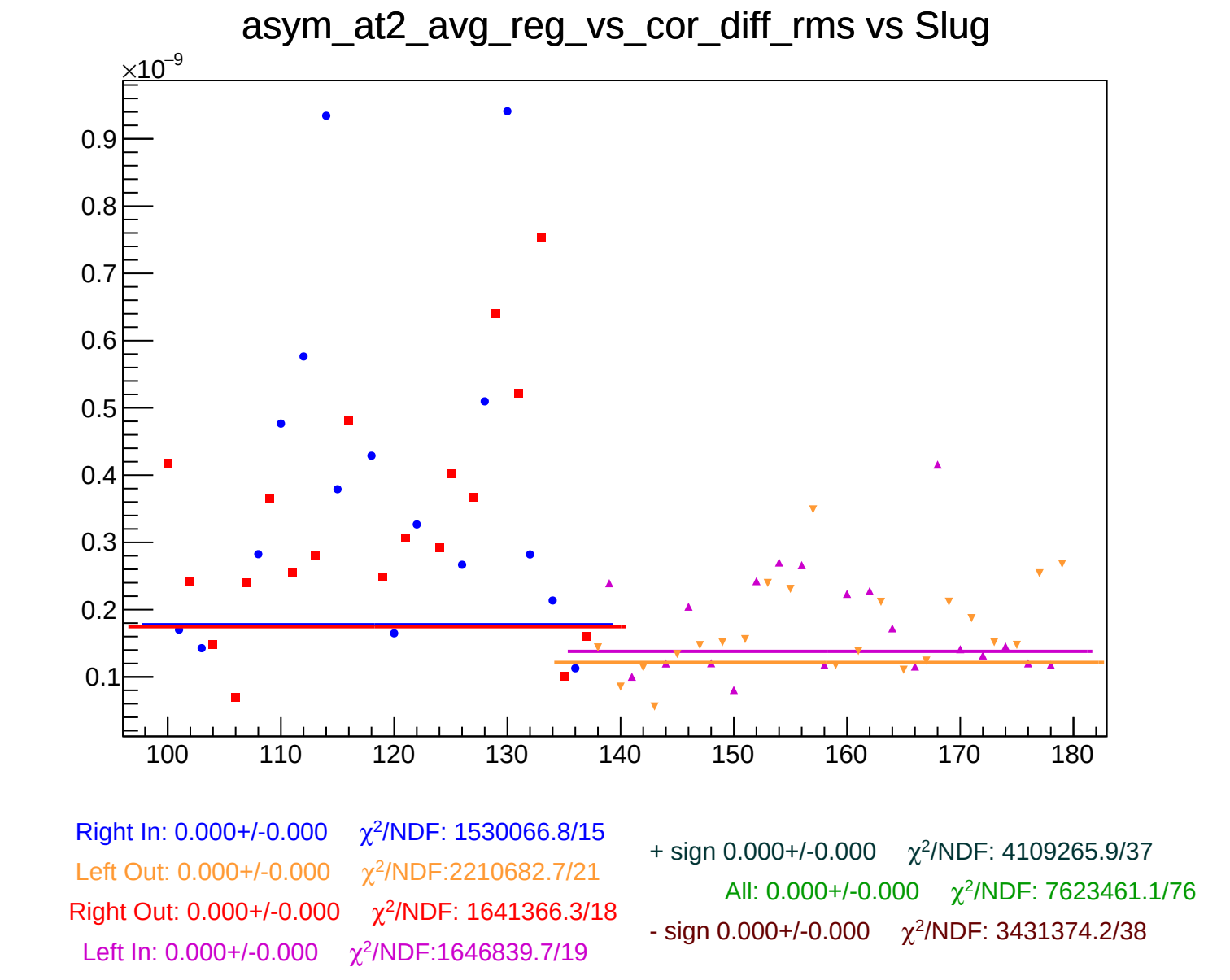
Right Out: 0.000+/-0.000 χ^2/NDF: 32.8/18

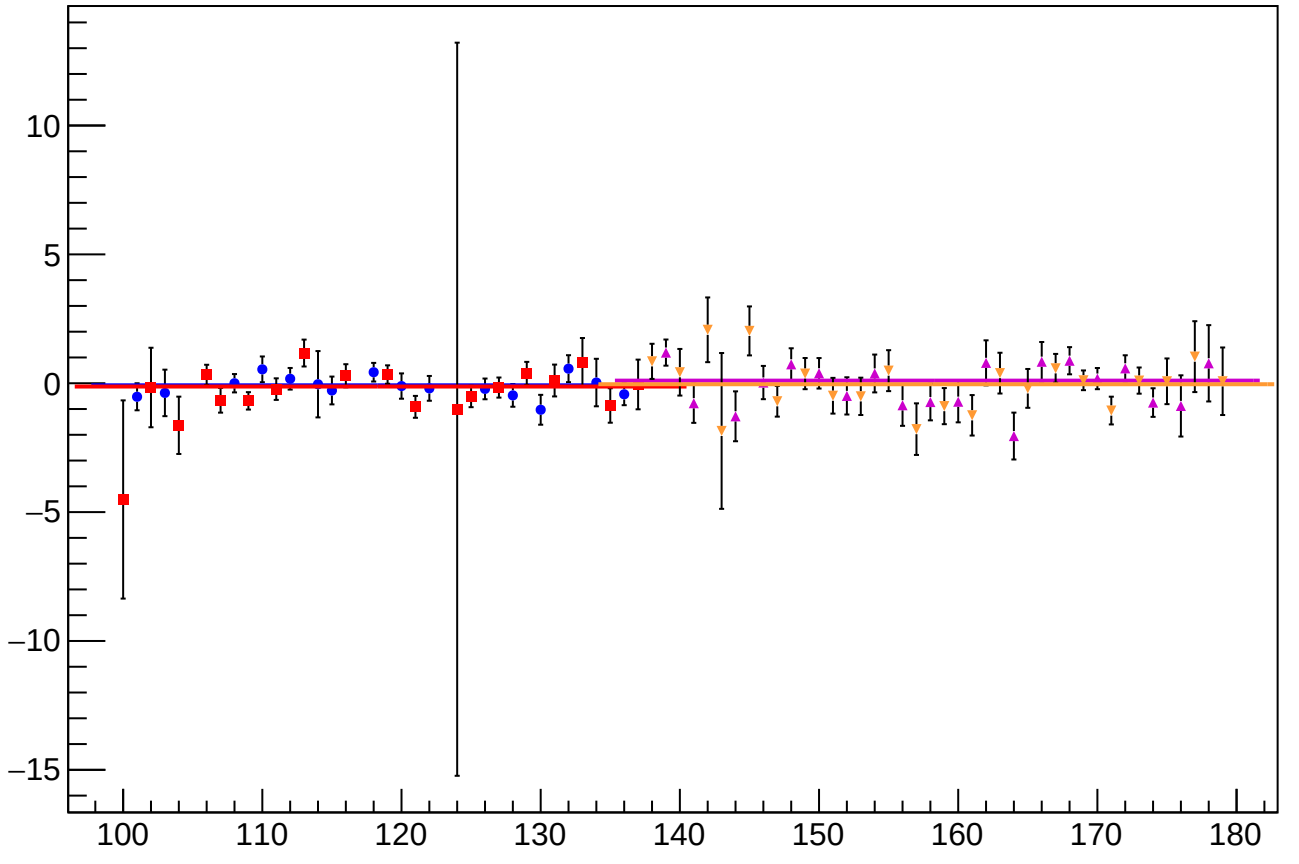
Left In: 0.000+/-0.000 χ^2/NDF:26.2/19

+ sign -0.000+/-0.000 χ^2/NDF: 35.6/37

All: 0.000+/-0.000 χ^2/NDF: 95.7/76

- sign 0.000+/-0.000 χ^2/NDF: 59.1/38


asym_at2_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1530066.8/15
Left Out: 0.000+/-0.000 χ²/NDF:2210682.7/21
Right Out: 0.000+/-0.000 χ²/NDF: 1641366.3/18
Left In: 0.000+/-0.000 χ²/NDF:1646839.7/19
+ sign 0.000+/-0.000 χ²/NDF: 4109265.9/37
All: 0.000+/-0.000 χ²/NDF: 7623461.1/76
- sign 0.000+/-0.000 χ²/NDF: 3431374.2/38



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: -0.038+/-0.151 χ^2/NDF:25.7/21

Right Out: -0.128+/-0.117 χ^2/NDF: 25.3/18

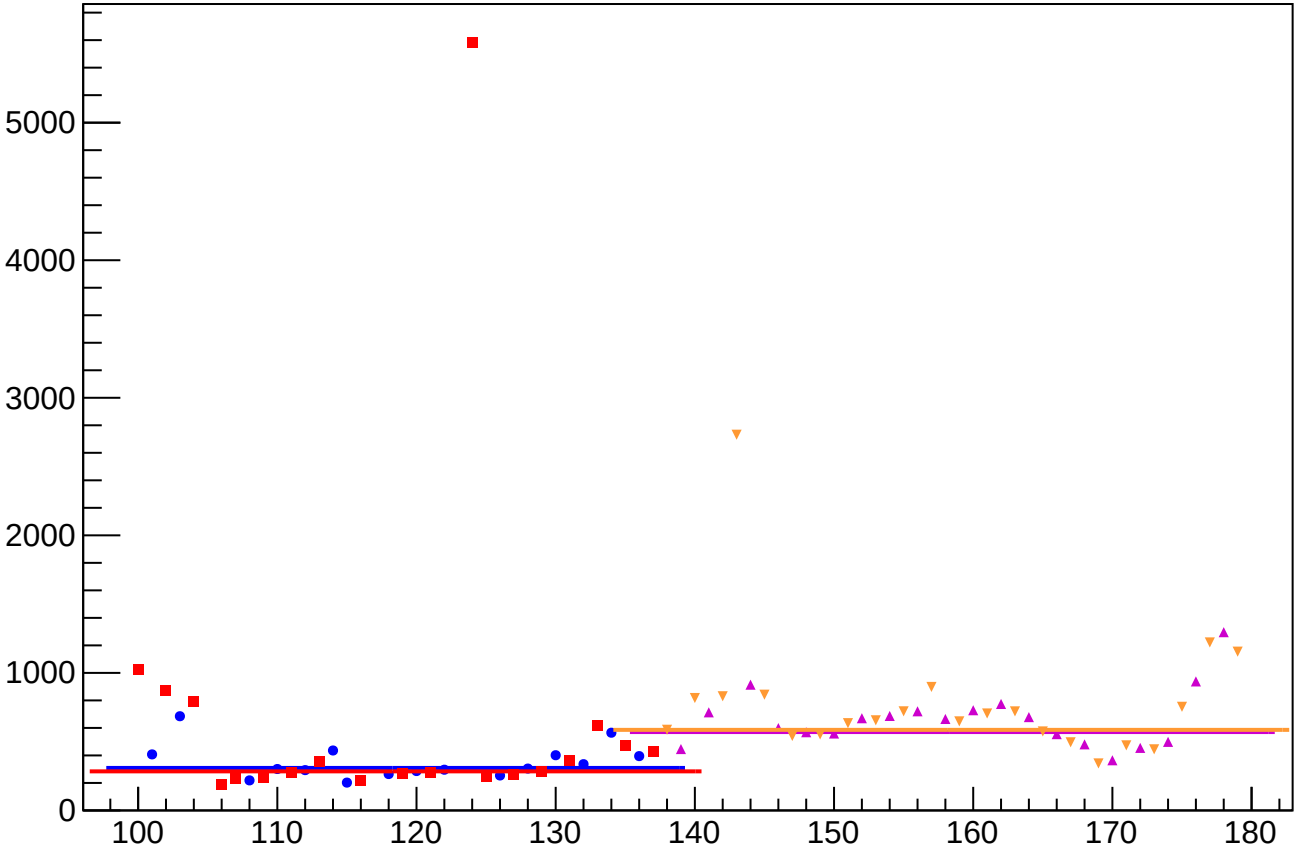
Left In: 0.101+/-0.148 χ^2/NDF:27.3/19

+ sign -0.064+/-0.095 χ^2/NDF: 36.6/37

All: -0.051+/-0.066 χ^2/NDF: 90.7/76

- sign -0.040+/-0.092 χ^2/NDF: 54.1/38

asym_at2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 309.093+/-0.086 χ^2/NDF: 1014604.9/15

Left Out: 585.872+/-0.106 χ^2/NDF:3759535.9/21

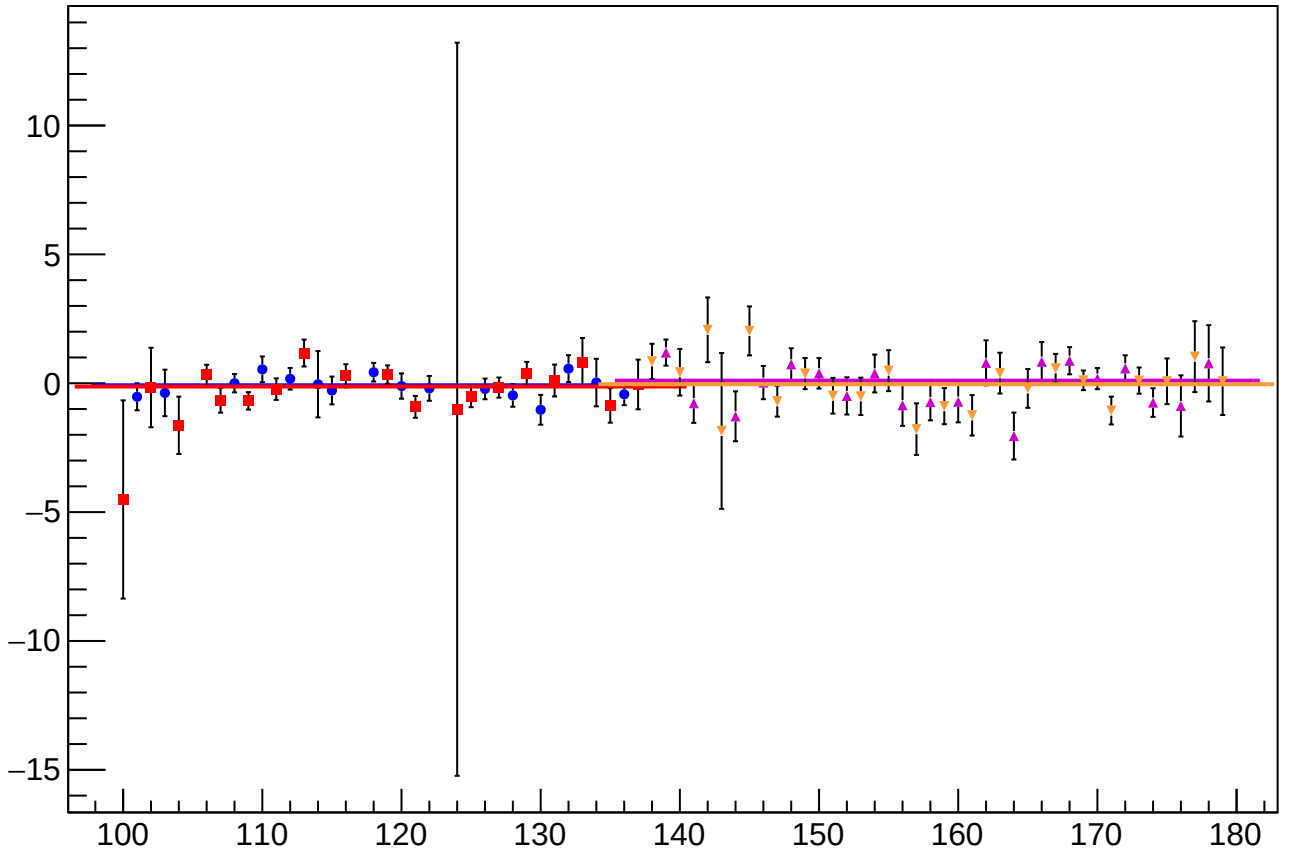
Right Out: 284.189+/-0.083 χ^2/NDF: 1856451.4/18

Left In: 569.992+/-0.105 χ^2/NDF:2225928.8/19

+ sign 418.632+/-0.067 χ^2/NDF: 8857013.0/37

All: 405.773+/-0.047 χ^2/NDF: 17590296.5/76

- sign 393.691+/-0.065 χ^2/NDF: 8661798.3/38



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: -0.038+/-0.151 χ^2/NDF:25.7/21

Right Out: -0.128+/-0.117 χ^2/NDF: 25.3/18

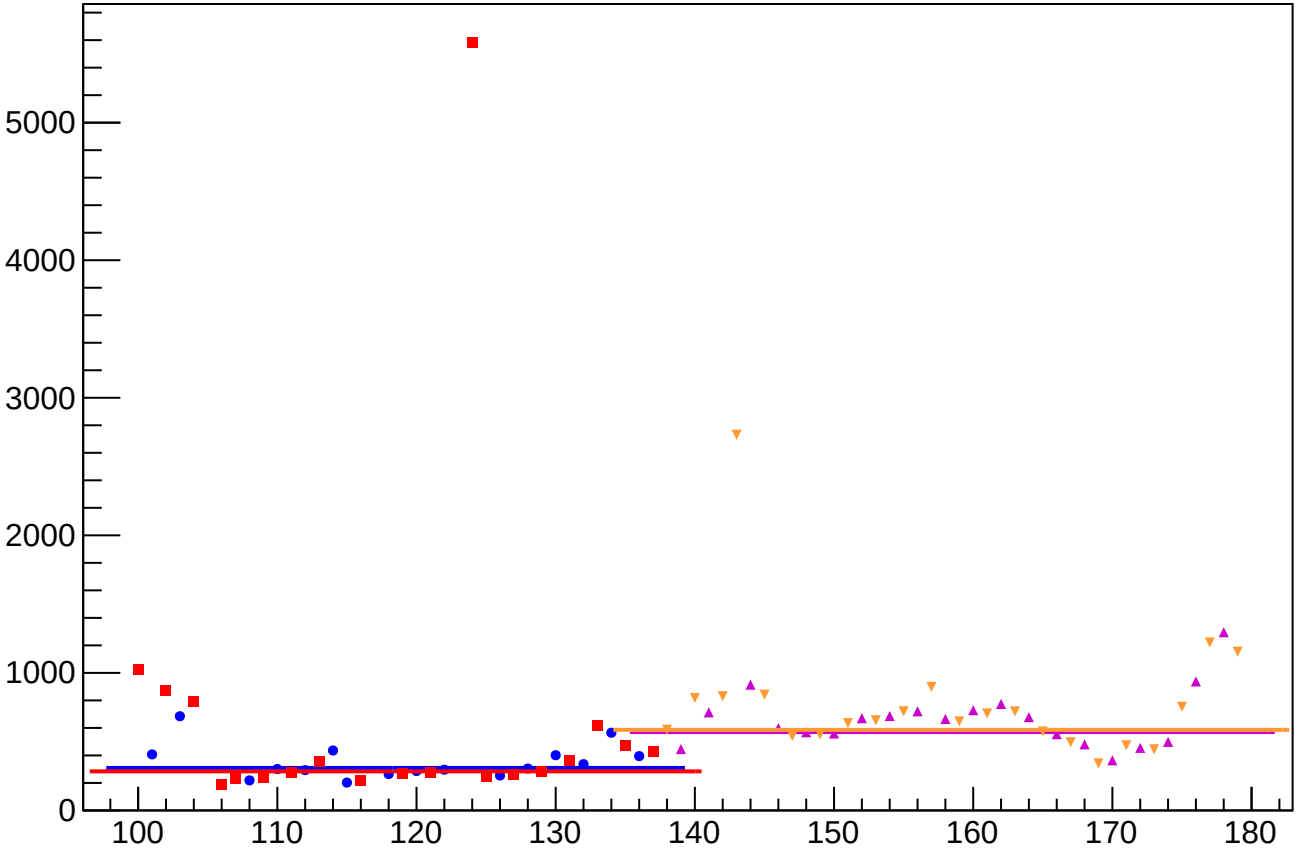
Left In: 0.101+/-0.148 χ^2/NDF:27.3/19

+ sign -0.064+/-0.095 χ^2/NDF: 36.6/37

All: -0.051+/-0.066 χ^2/NDF: 90.7/76

- sign -0.040+/-0.092 χ^2/NDF: 54.1/38

asym_at2_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 309.093+/-0.086 χ^2/NDF: 1014604.9/15

Left Out: 585.872+/-0.106 χ^2/NDF:3759535.9/21

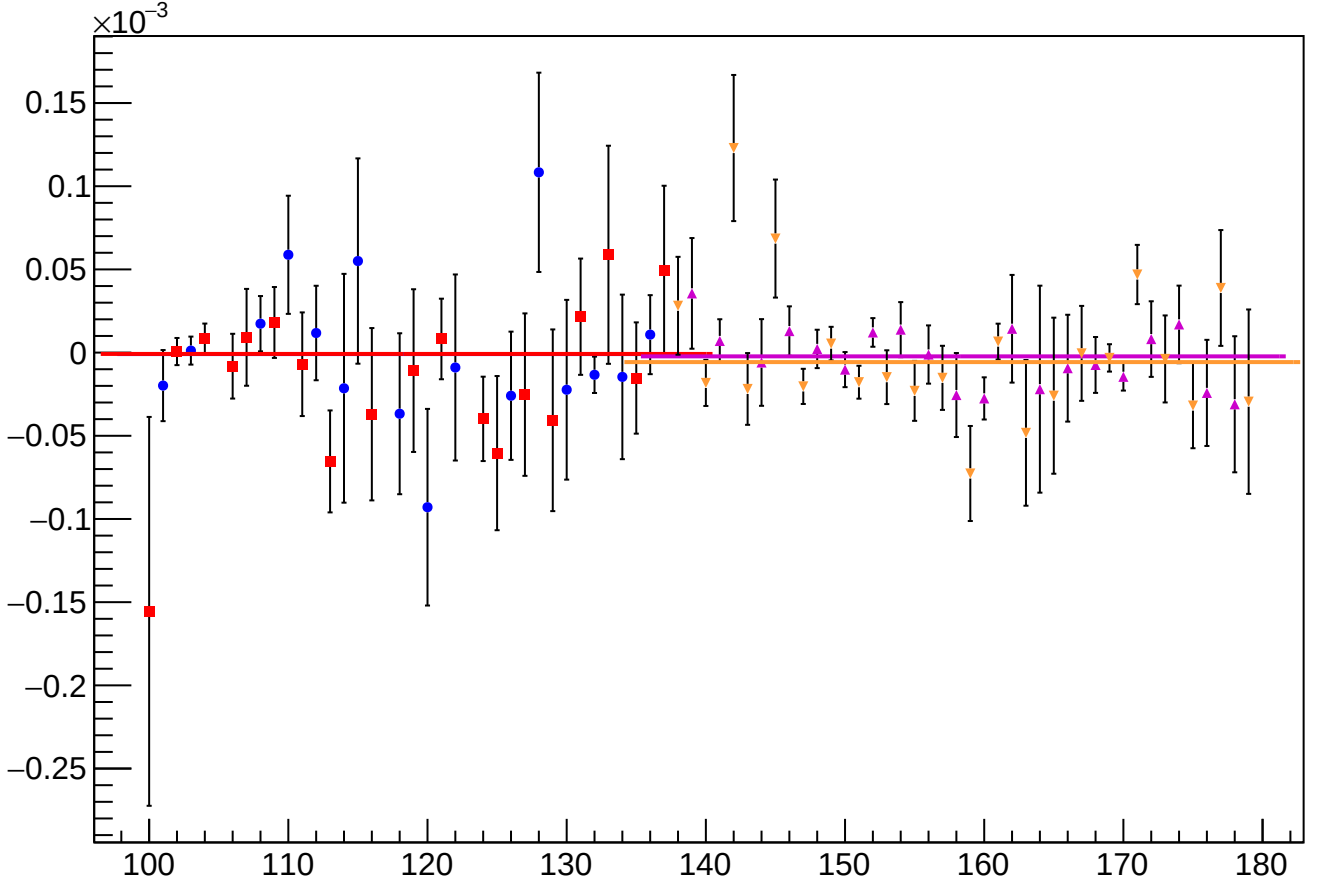
Right Out: 284.189+/-0.083 χ^2/NDF: 1856451.4/18

Left In: 569.992+/-0.105 χ^2/NDF:2225928.8/19

+ sign 418.632+/-0.067 χ^2/NDF: 8857013.0/37

All: 405.773+/-0.047 χ^2/NDF: 17590296.5/76

- sign 393.691+/-0.065 χ^2/NDF: 8661798.3/38



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:41.4/21

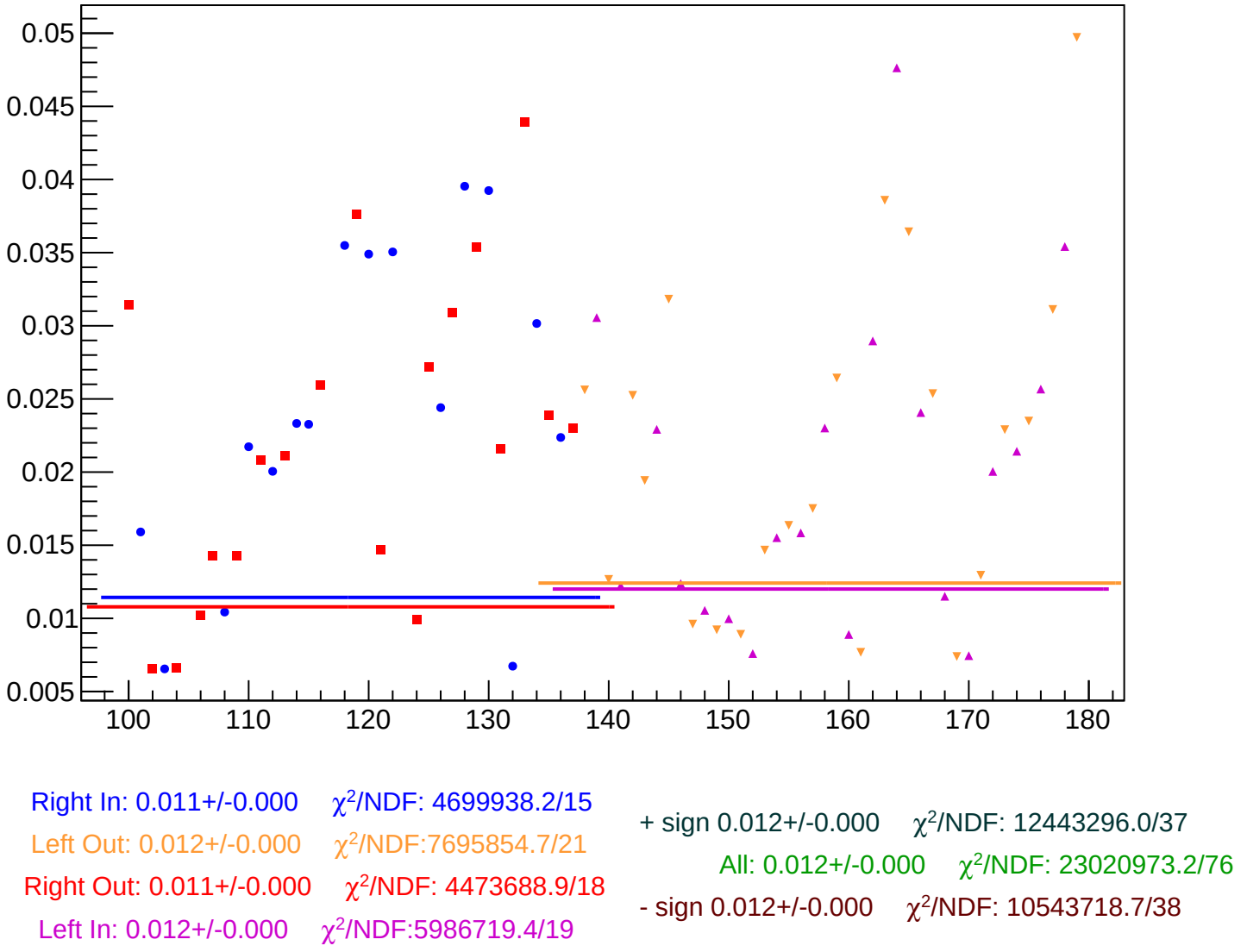
Right Out: -0.000+/-0.000 χ^2/NDF: 16.1/18

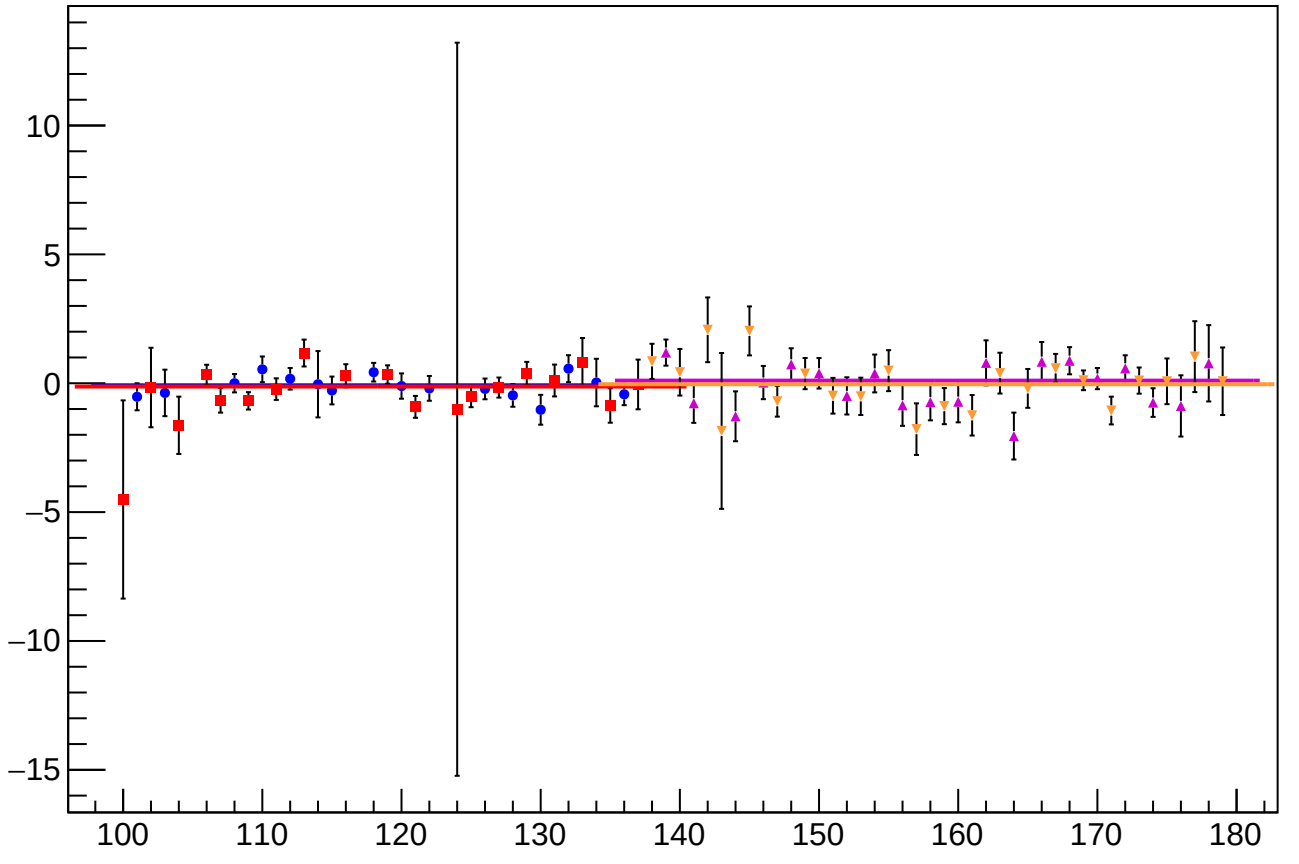
Left In: -0.000+/-0.000 χ^2/NDF:16.7/19

+ sign -0.000+/-0.000 χ^2/NDF: 56.5/37

All: -0.000+/-0.000 χ^2/NDF: 89.8/76

- sign -0.000+/-0.000 χ^2/NDF: 32.9/38


asym_at2_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
100
110
120
130
140
150
160
170
180
Right In: 0.011+/-0.000 χ²/NDF: 4699938.2/15
Left Out: 0.012+/-0.000 χ²/NDF:7695854.7/21
Right Out: 0.011+/-0.000 χ²/NDF: 4473688.9/18
Left In: 0.012+/-0.000 χ²/NDF:5986719.4/19
+ sign 0.012+/-0.000 χ²/NDF: 12443296.0/37
All: 0.012+/-0.000 χ²/NDF: 23020973.2/76
- sign 0.012+/-0.000 χ²/NDF: 10543718.7/38



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: -0.039+/-0.151 χ^2/NDF:25.7/21

Right Out: -0.128+/-0.117 χ^2/NDF: 25.3/18

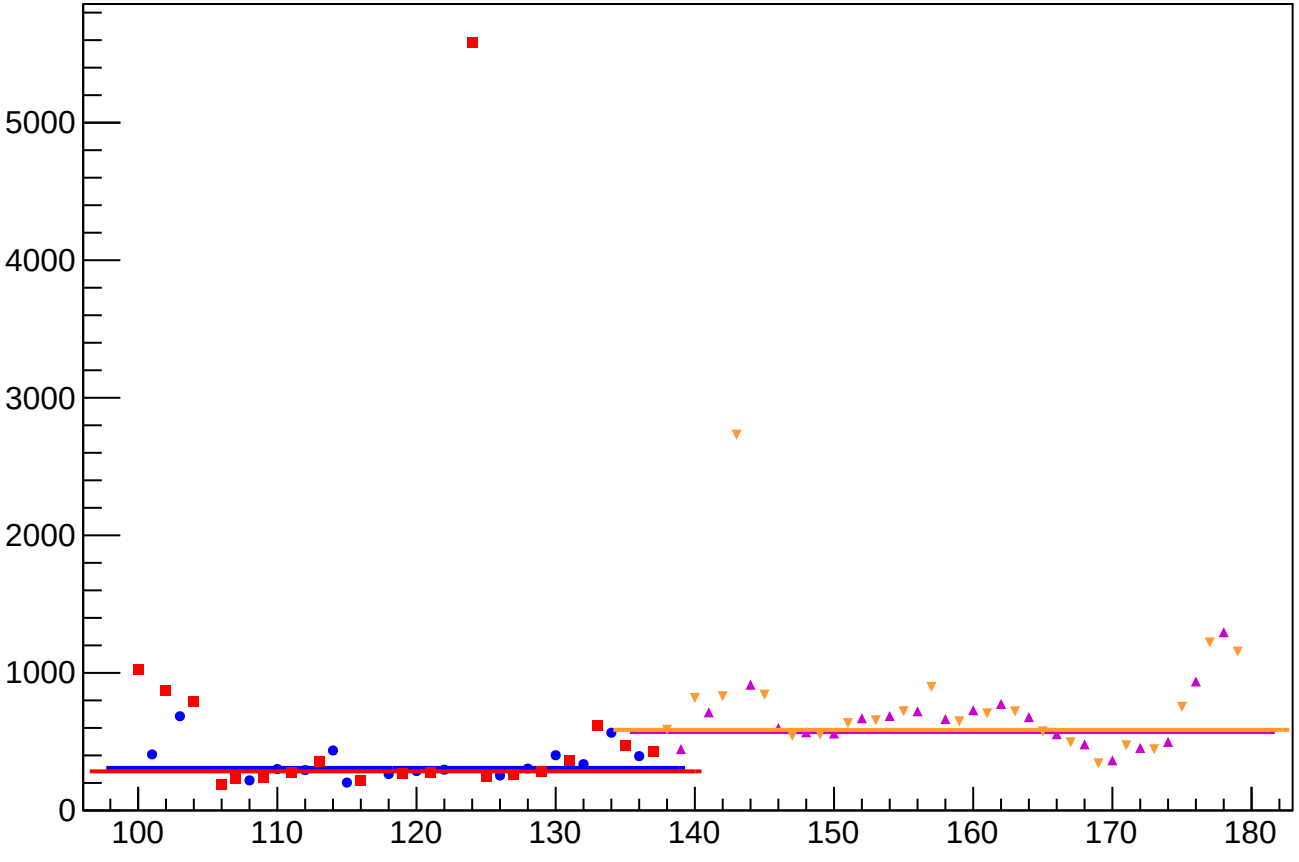
Left In: 0.101+/-0.148 χ^2/NDF:27.3/19

+ sign -0.064+/-0.095 χ^2/NDF: 36.6/37

All: -0.051+/-0.066 χ^2/NDF: 90.7/76

- sign -0.040+/-0.092 χ^2/NDF: 54.1/38

asym_at2_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 309.093+/-0.086 χ^2/NDF: 1014573.4/15

Left Out: 585.872+/-0.106 χ^2/NDF:3759729.7/21

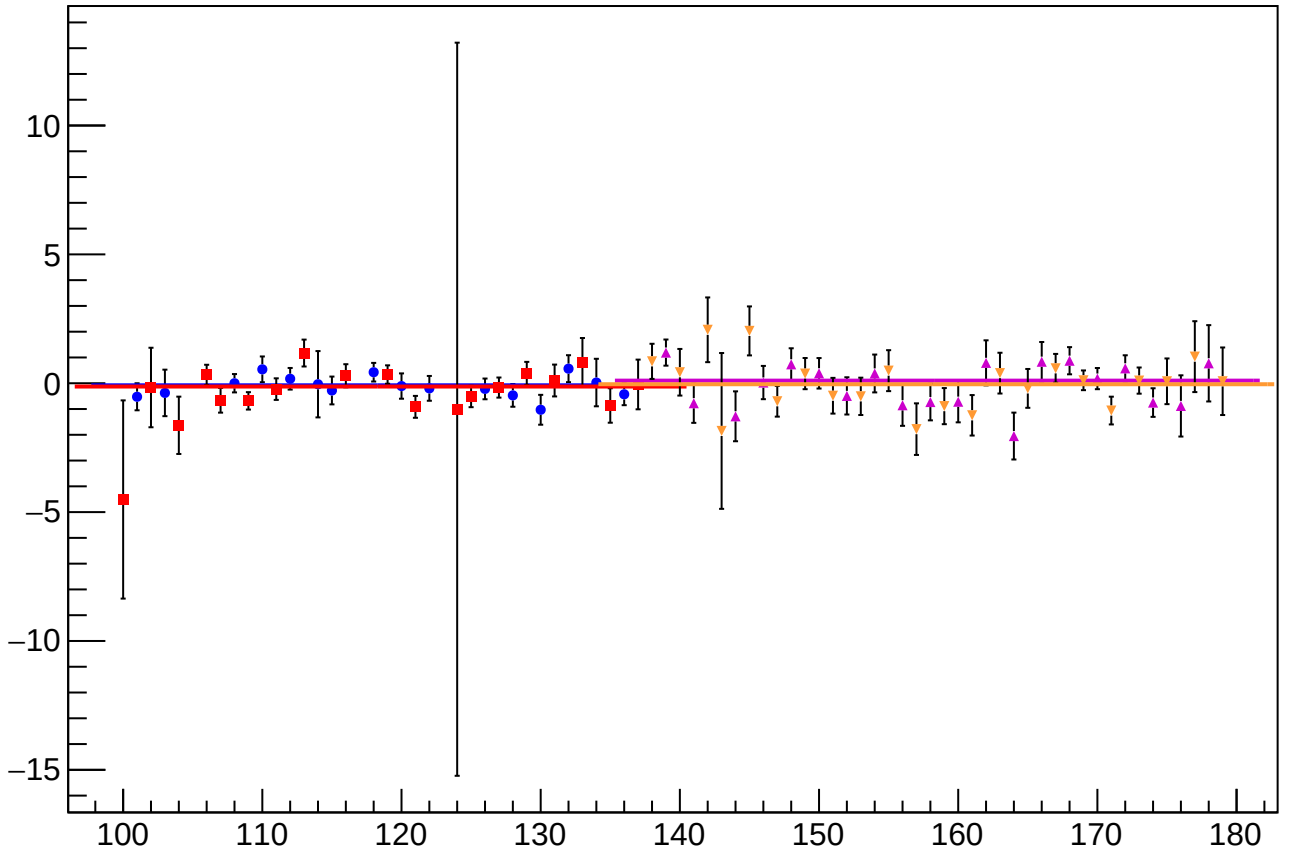
Right Out: 284.188+/-0.083 χ^2/NDF: 1856434.1/18

Left In: 569.994+/-0.105 χ^2/NDF:2226038.3/19

+ sign 418.631+/-0.067 χ^2/NDF: 8857192.1/37

All: 405.772+/-0.047 χ^2/NDF: 17590642.0/76

- sign 393.690+/-0.065 χ^2/NDF: 8661968.2/38



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: -0.039+/-0.151 χ^2/NDF:25.7/21

Right Out: -0.128+/-0.117 χ^2/NDF: 25.3/18

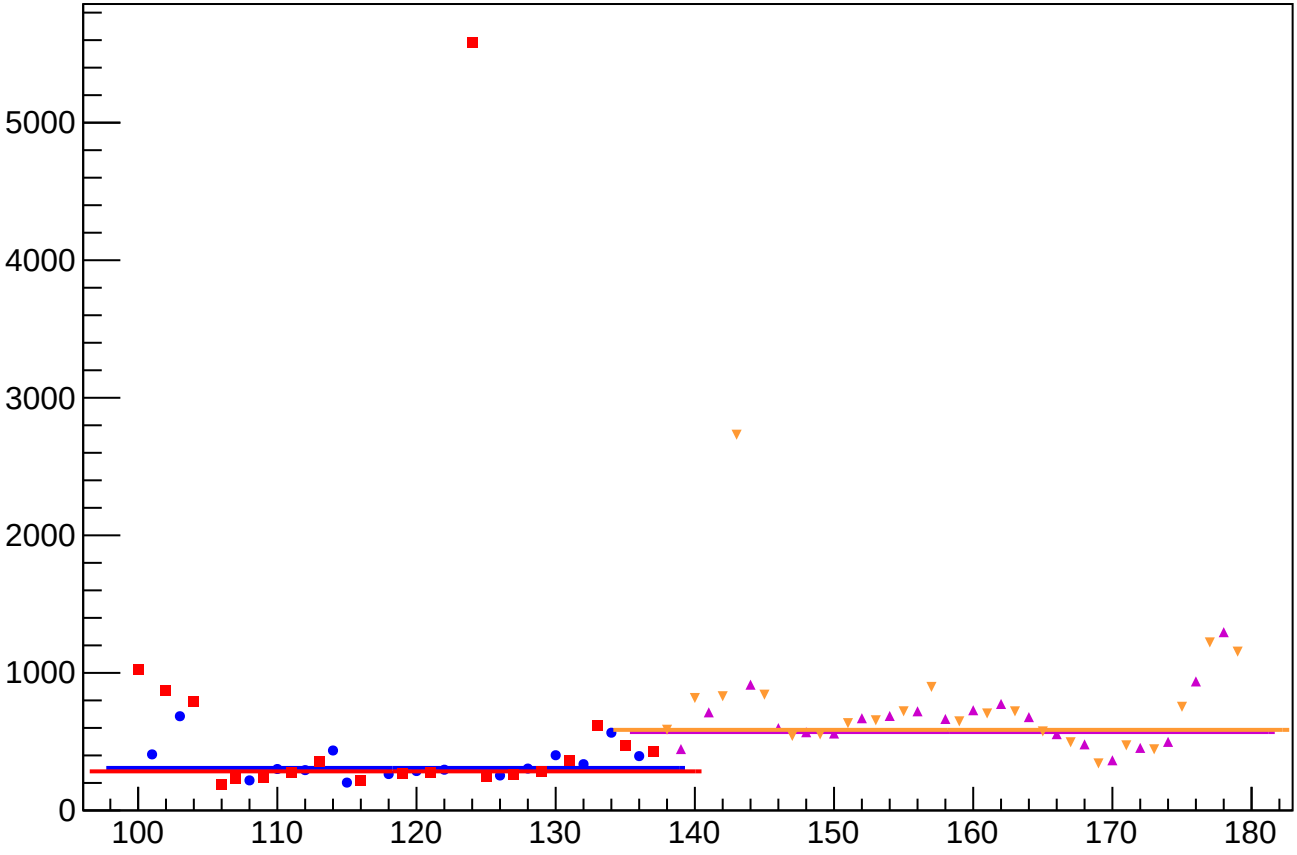
Left In: 0.101+/-0.148 χ^2/NDF:27.3/19

+ sign -0.064+/-0.095 χ^2/NDF: 36.6/37

All: -0.051+/-0.066 χ^2/NDF: 90.7/76

- sign -0.040+/-0.092 χ^2/NDF: 54.1/38

asym_at2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 309.093+/-0.086 χ^2/NDF: 1014573.4/15

Left Out: 585.872+/-0.106 χ^2/NDF:3759729.7/21

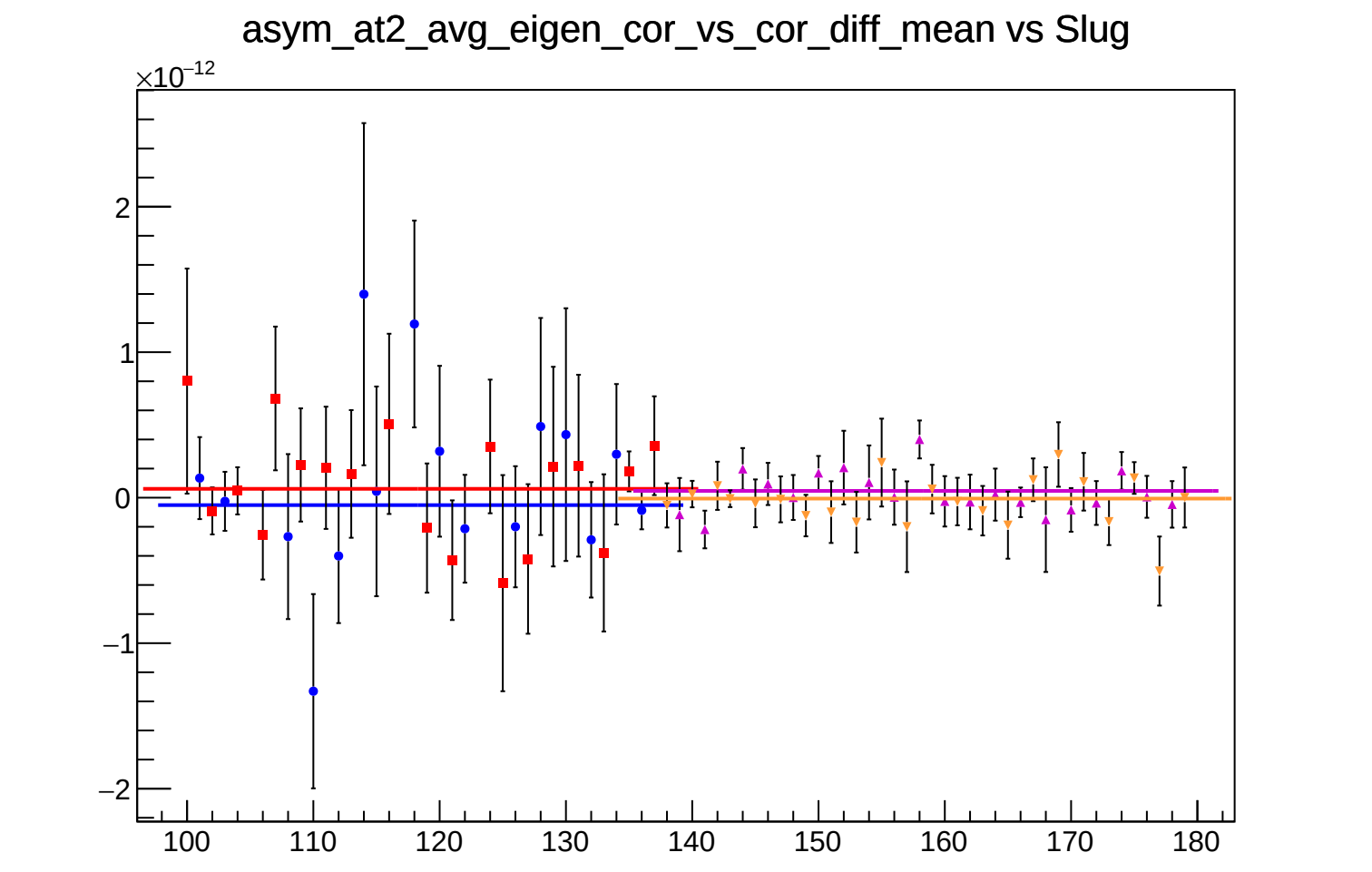
Right Out: 284.188+/-0.083 χ^2/NDF: 1856434.1/18

Left In: 569.994+/-0.105 χ^2/NDF:2226038.3/19

+ sign 418.631+/-0.067 χ^2/NDF: 8857192.1/37

All: 405.772+/-0.047 χ^2/NDF: 17590642.0/76

- sign 393.690+/-0.065 χ^2/NDF: 8661968.2/38



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

Left Out: -0.000+/-0.000 χ^2/NDF:14.1/21

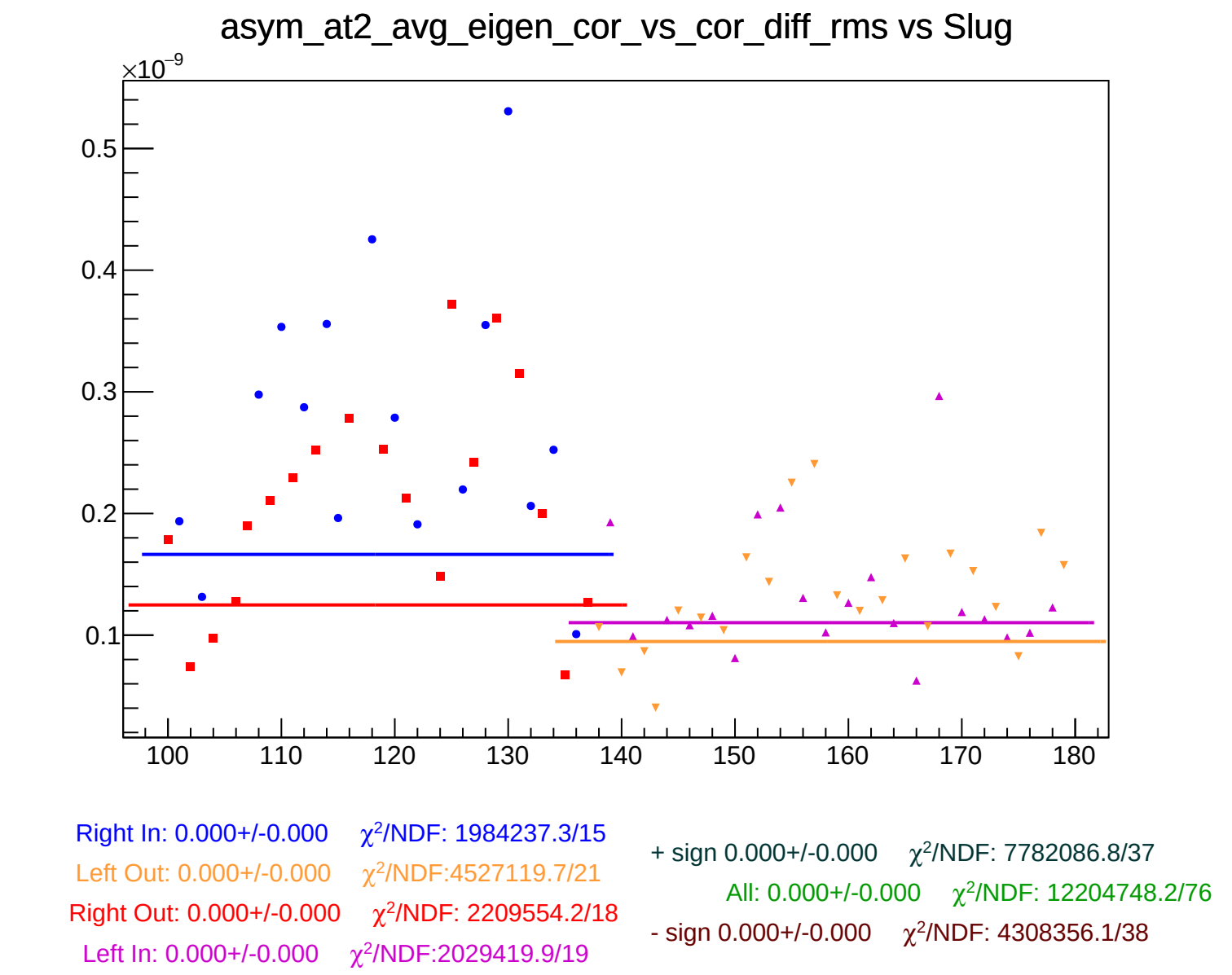
Right Out: 0.000+/-0.000 χ^2/NDF: 11.4/18

Left In: 0.000+/-0.000 χ^2/NDF:18.8/19

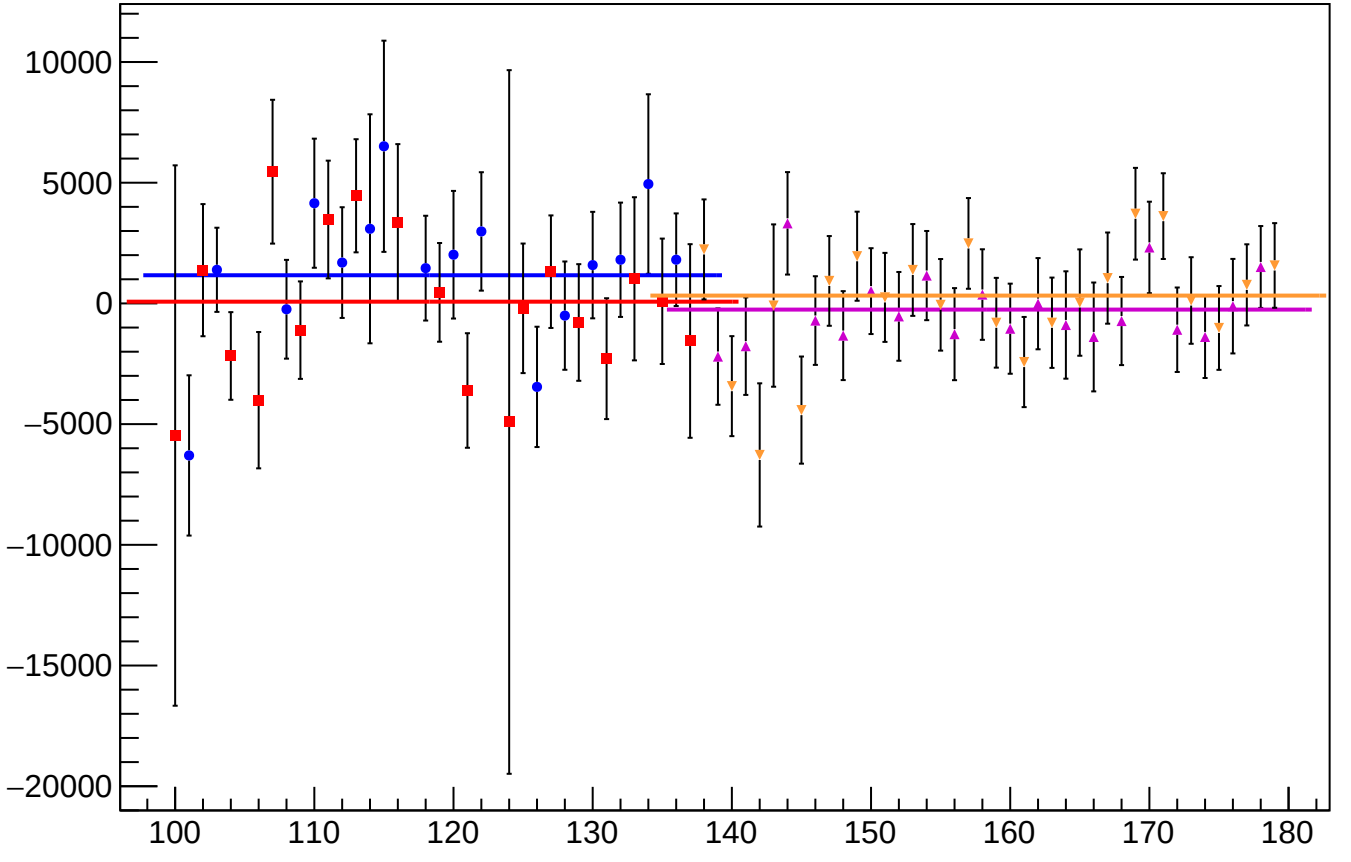
+ sign -0.000+/-0.000 χ^2/NDF: 26.4/37

All: 0.000+/-0.000 χ^2/NDF: 58.7/76

- sign 0.000+/-0.000 χ^2/NDF: 30.2/38


asym_at2_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.5
0.4
0.3
0.2
0.1
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1984237.3/15
Left Out: 0.000+/-0.000 χ²/NDF:4527119.7/21
Right Out: 0.000+/-0.000 χ²/NDF: 2209554.2/18
Left In: 0.000+/-0.000 χ²/NDF:2029419.9/19
+ sign 0.000+/-0.000 χ²/NDF: 7782086.8/37
All: 0.000+/-0.000 χ²/NDF: 12204748.2/76
- sign 0.000+/-0.000 χ²/NDF: 4308356.1/38

reg_asym_at2_dd_mean vs Slug



Right In: 1166.862+/-609.171 χ^2/NDF: 14.4/15

Left Out: 324.415+/-413.402 χ^2/NDF:27.1/21

Right Out: 72.181+/-603.362 χ^2/NDF: 18.3/18

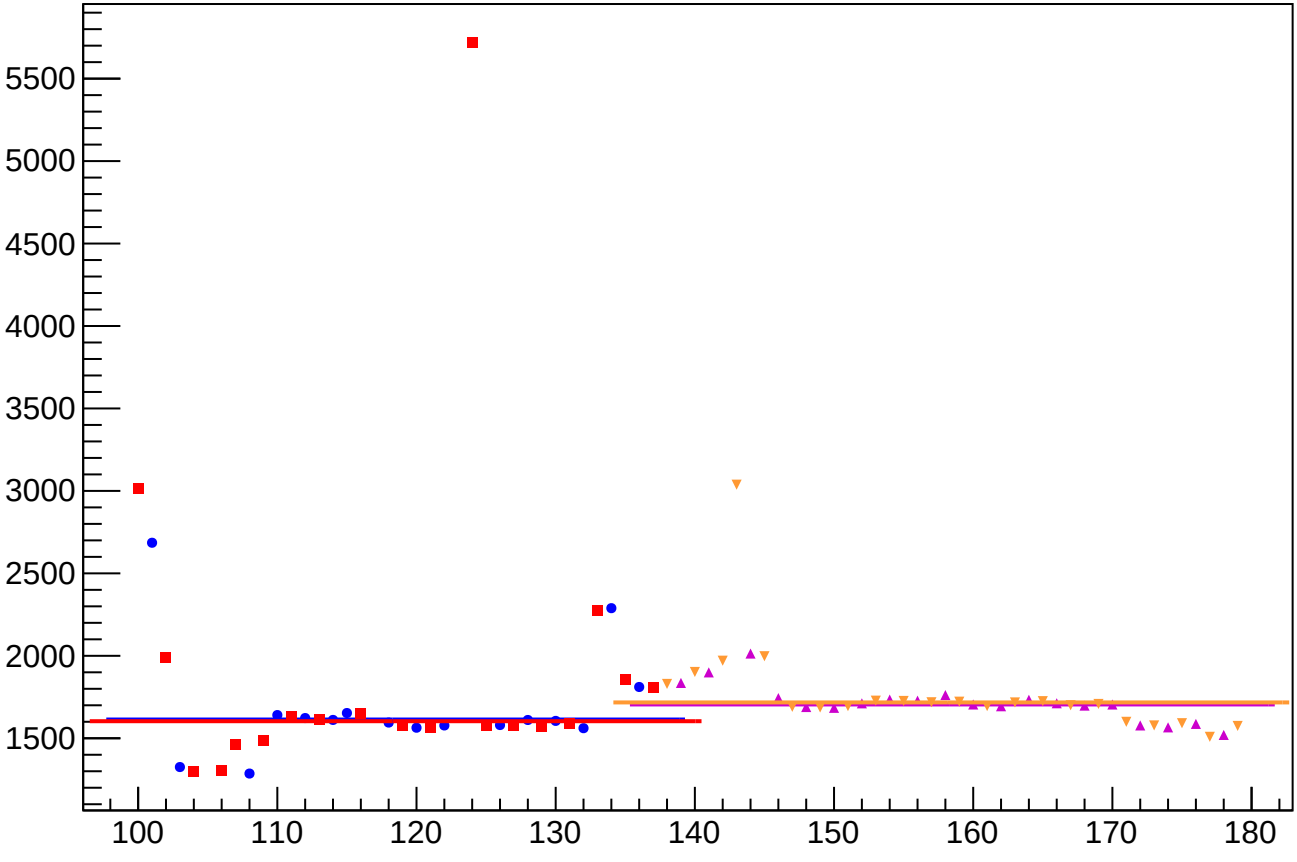
Left In: -255.636+/-422.612 χ^2/NDF:10.1/19

\+ sign 590.056+/-342.071 χ^2/NDF: 42.8/37

All: 225.528+/-243.309 χ^2/NDF: 73.8/76

\- sign -147.742+/-346.148 χ^2/NDF: 28.6/38

reg_asym_at2_dd_rms vs Slug



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.5/15

Left Out: 1717.367+/-0.292 χ^2/NDF:453981.0/21

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.5/18

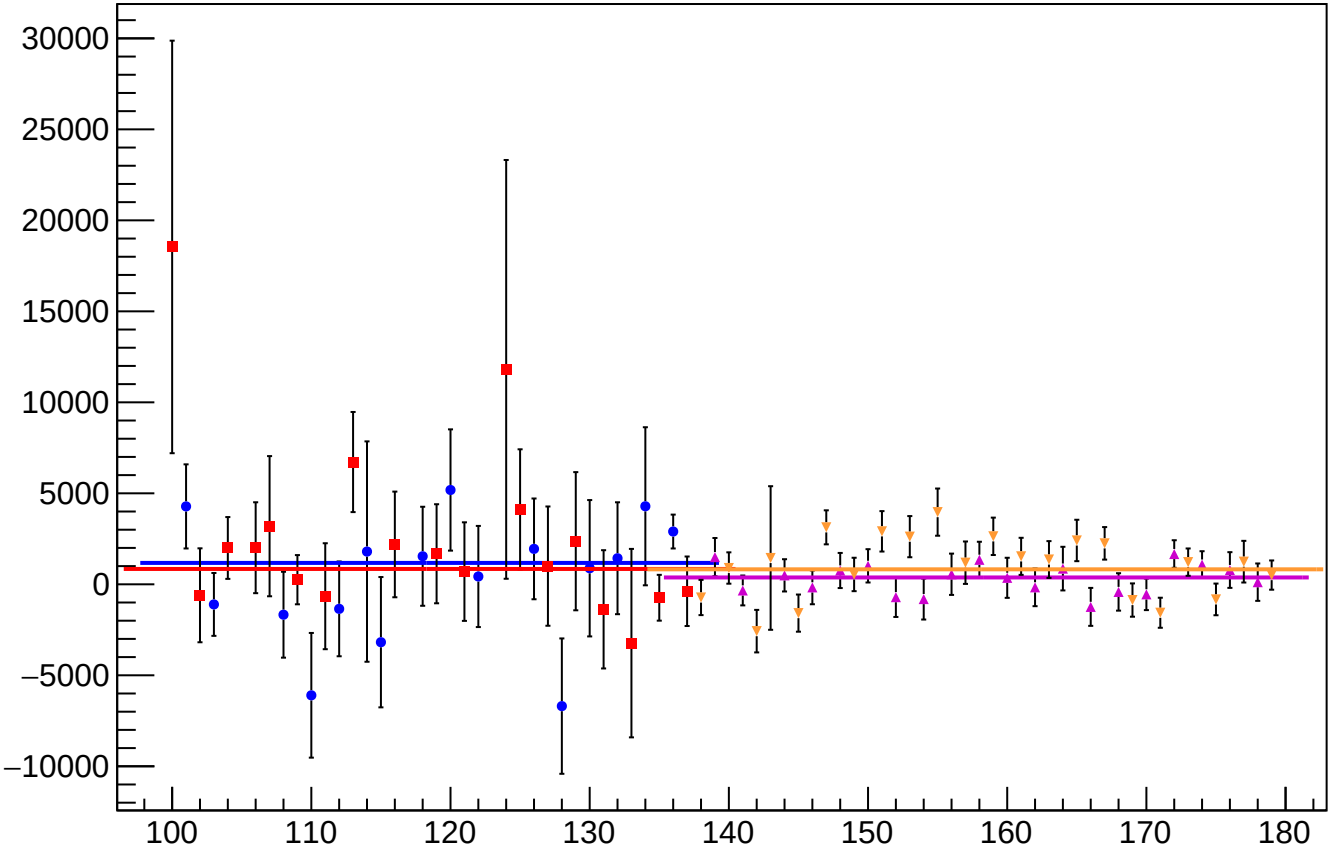
Left In: 1705.060+/-0.299 χ^2/NDF:128720.0/19

+ sign 1684.670+/-0.242 χ^2/NDF: 898346.5/37

All: 1678.223+/-0.172 χ^2/NDF: 1492340.2/76

- sign 1671.622+/-0.245 χ^2/NDF: 592556.0/38

asym_at2_dd_reg_correction_mean vs Slug



Right In: 1175.479+/-579.062 χ^2/NDF: 22.0/15

Left Out: 823.311+/-211.239 χ^2/NDF:59.1/21

Right Out: 843.857+/-557.438 χ^2/NDF: 14.3/18

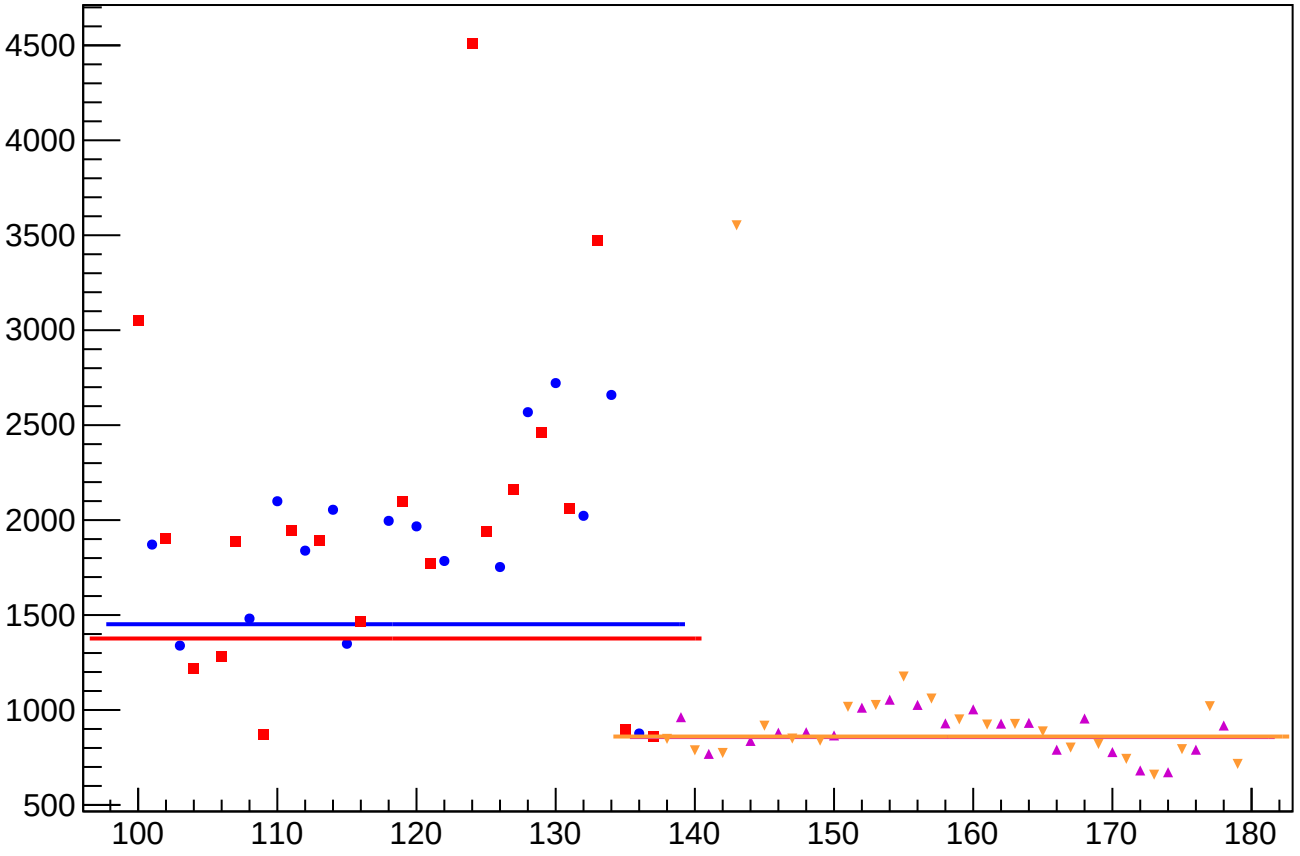
Left In: 376.317+/-214.439 χ^2/NDF:14.6/19

+ sign 864.672+/-198.447 χ^2/NDF: 81.5/37

All: 652.449+/-140.918 χ^2/NDF: 113.3/76

- sign 436.586+/-200.141 χ^2/NDF: 29.5/38

asym_at2_dd_reg_correction_rms vs Slug



Right In: 1451.631+/-0.409 χ^2/NDF: 1790839.5/15

Left Out: 860.204+/-0.149 χ^2/NDF:1568635.9/21

Right Out: 1376.470+/-0.394 χ^2/NDF: 2132051.1/18

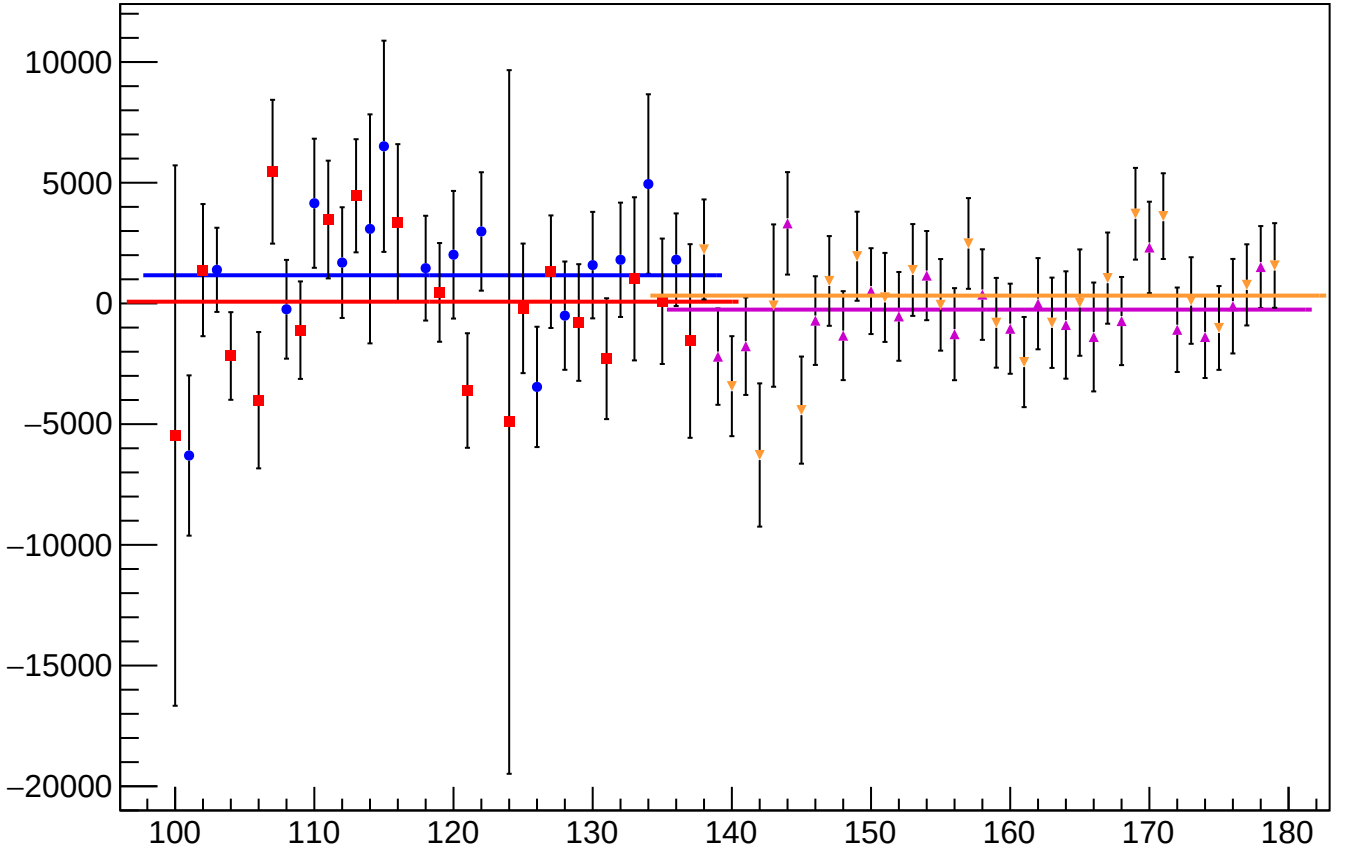
Left In: 857.362+/-0.152 χ^2/NDF:549824.3/19

+ sign 929.665+/-0.140 χ^2/NDF: 5200770.8/37

All: 926.995+/-0.100 χ^2/NDF: 9394204.0/76

- sign 924.279+/-0.142 χ^2/NDF: 4192703.1/38

cor_asym_at2_dd_mean vs Slug



Right In: 1166.769+/-609.171 χ^2/NDF: 14.4/15

Left Out: 324.369+/-413.402 χ^2/NDF:27.1/21

Right Out: 72.499+/-603.362 χ^2/NDF: 18.3/18

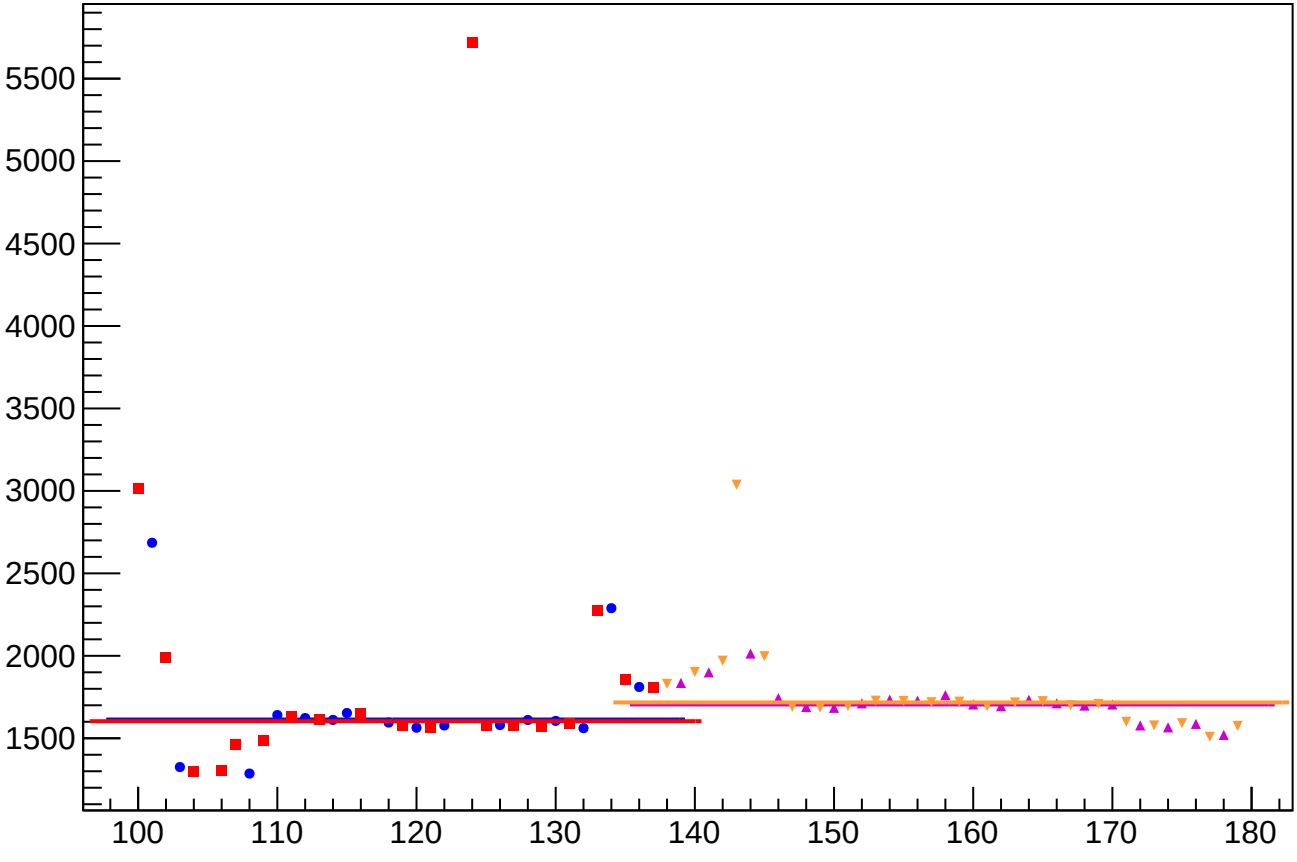
Left In: -255.561+/-422.612 χ^2/NDF:10.1/19

+ sign 589.995+/-342.071 χ^2/NDF: 42.8/37

All: 225.574+/-243.309 χ^2/NDF: 73.8/76

- sign -147.587+/-346.148 χ^2/NDF: 28.6/38

cor_asym_at2_dd_rms vs Slug



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.8/15

Left Out: 1717.367+/-0.292 χ^2/NDF:453981.0/21

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.4/18

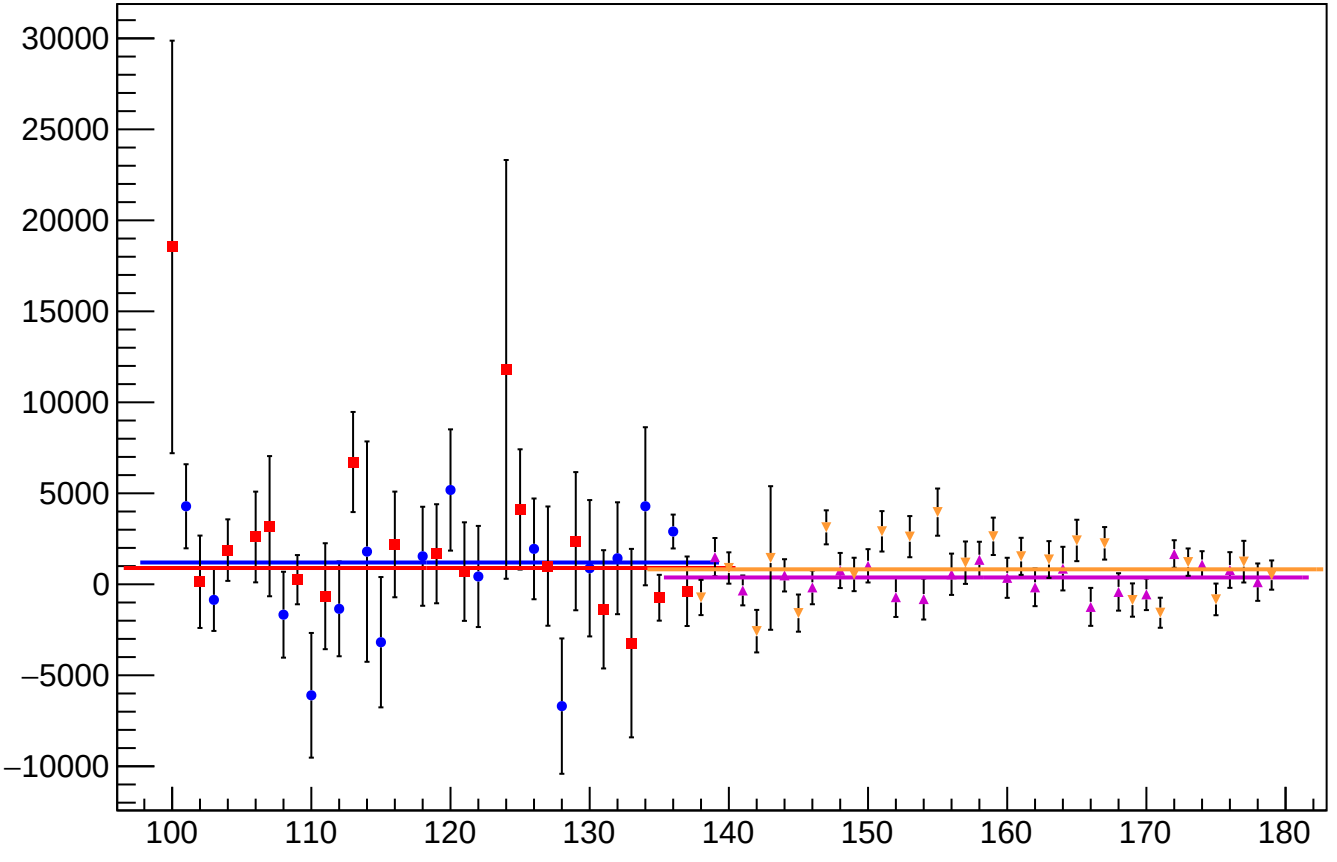
Left In: 1705.060+/-0.299 χ^2/NDF:128720.0/19

+ sign 1684.670+/-0.242 χ^2/NDF: 898346.8/37

All: 1678.223+/-0.172 χ^2/NDF: 1492340.7/76

- sign 1671.622+/-0.245 χ^2/NDF: 592556.1/38

asym_at2_dd_cor_correction_mean vs Slug



Right In: 1198.338+/-578.240 χ^2/NDF: 21.7/15

Left Out: 823.414+/-211.240 χ^2/NDF:59.1/21

Right Out: 895.463+/-556.666 χ^2/NDF: 14.2/18

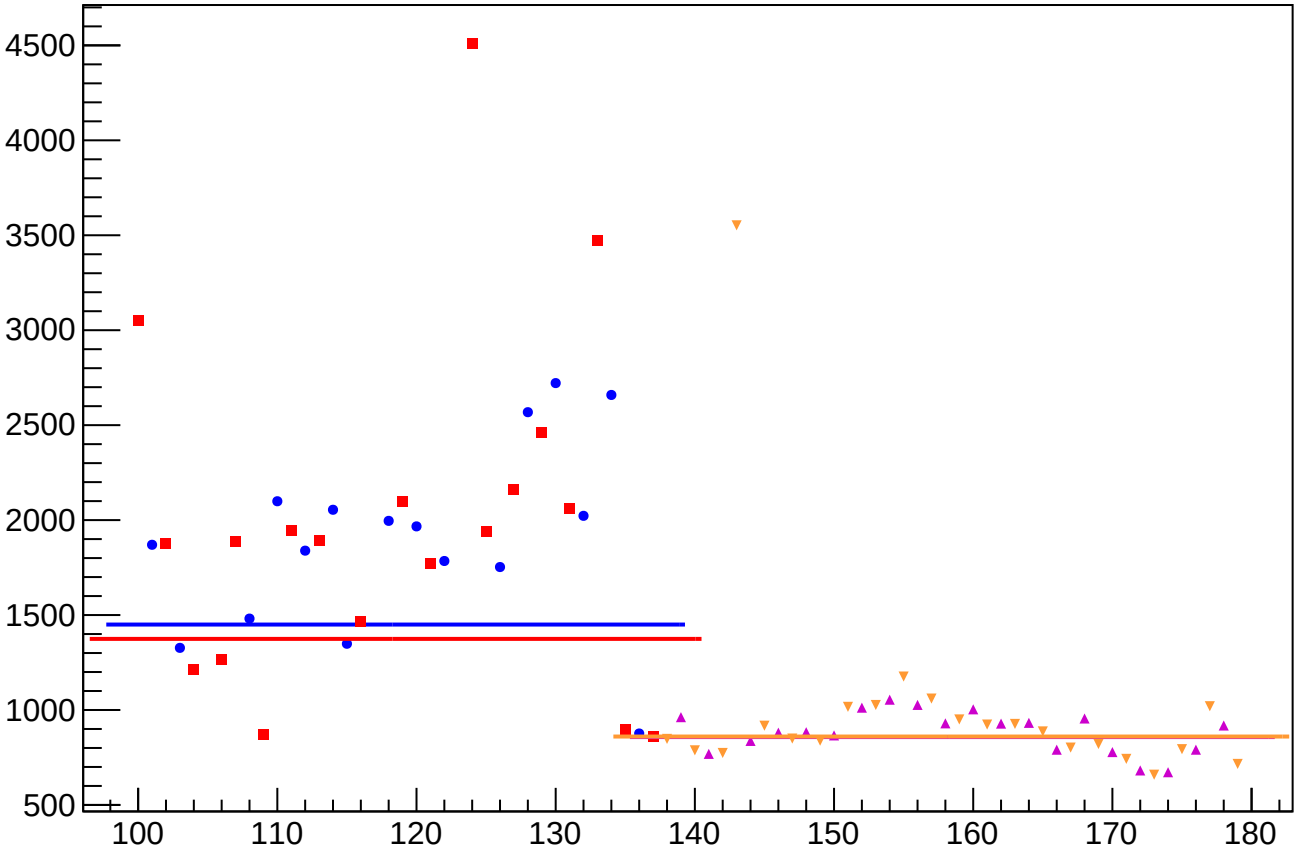
Left In: 376.307+/-214.439 χ^2/NDF:14.6/19

+ sign 867.558+/-198.415 χ^2/NDF: 81.2/37

All: 657.274+/-140.895 χ^2/NDF: 113.0/76

- sign 443.392+/-200.106 χ^2/NDF: 29.6/38

asym_at2_dd_cor_correction_rms vs Slug



Right In: 1449.939+/-0.409 χ^2/NDF: 1792673.2/15

Left Out: 860.211+/-0.149 χ^2/NDF:1568584.1/21

Right Out: 1374.438+/-0.394 χ^2/NDF: 2127695.6/18

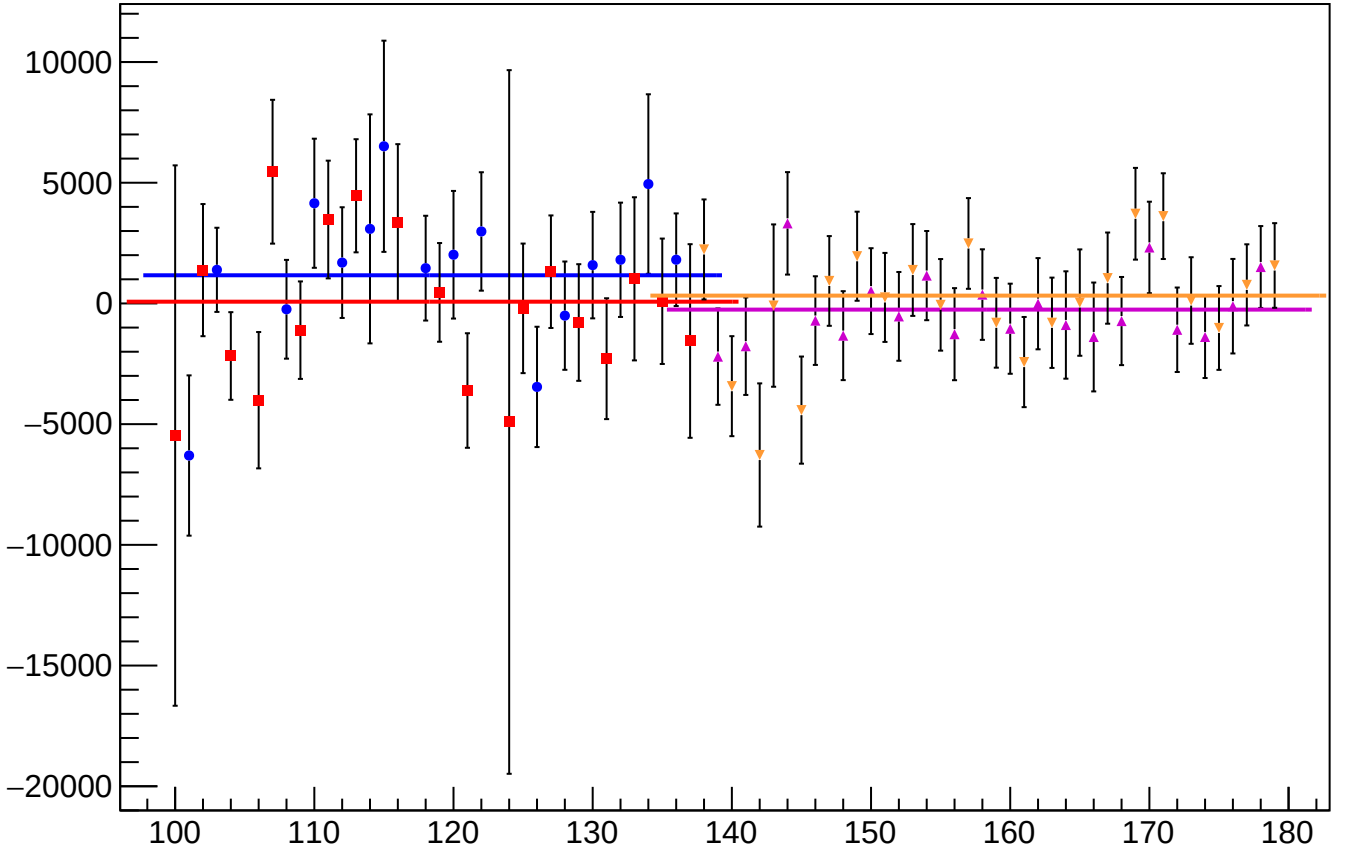
Left In: 857.363+/-0.152 χ^2/NDF:549839.0/19

+ sign 929.647+/-0.140 χ^2/NDF: 5196573.2/37

All: 926.937+/-0.100 χ^2/NDF: 9377500.0/76

- sign 924.179+/-0.141 χ^2/NDF: 4180173.8/38

eigen_cor_asym_at2_dd_mean vs Slug



Right In: 1166.769+/-609.171 χ^2/NDF: 14.4/15

Left Out: 324.369+/-413.402 χ^2/NDF:27.1/21

Right Out: 72.499+/-603.362 χ^2/NDF: 18.3/18

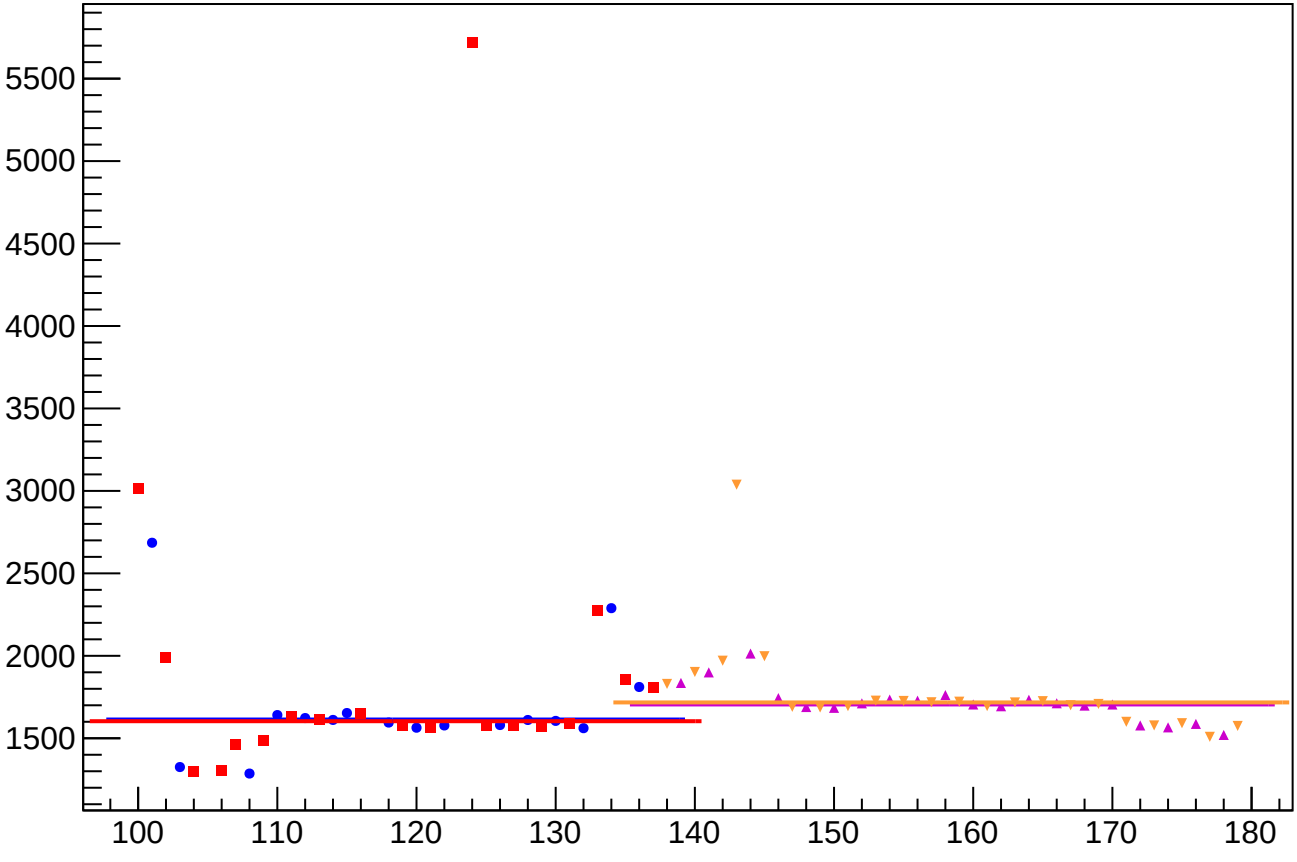
Left In: -255.561+/-422.612 χ^2/NDF:10.1/19

+ sign 589.995+/-342.071 χ^2/NDF: 42.8/37

All: 225.574+/-243.309 χ^2/NDF: 73.8/76

- sign -147.587+/-346.148 χ^2/NDF: 28.6/38

eigen_cor_asym_at2_dd_rms vs Slug



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.8/15

Left Out: 1717.367+/-0.292 χ^2/NDF:453981.0/21

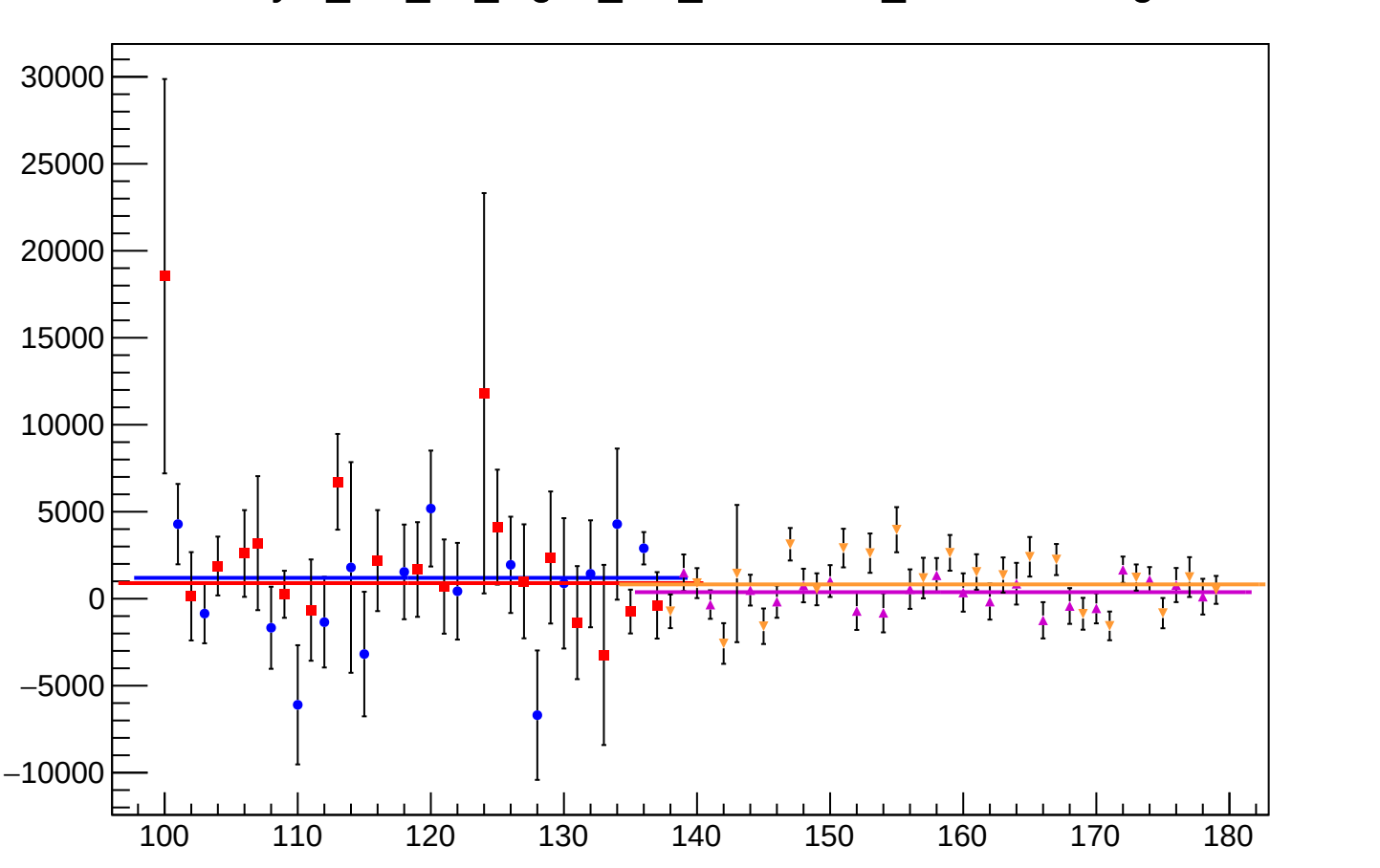
Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.4/18

Left In: 1705.060+/-0.299 χ^2/NDF:128720.0/19

+ sign 1684.670+/-0.242 χ^2/NDF: 898346.8/37

All: 1678.223+/-0.172 χ^2/NDF: 1492340.7/76

- sign 1671.622+/-0.245 χ^2/NDF: 592556.1/38



Right In: 1198.338+/-578.240 χ^2/NDF: 21.7/15

Left Out: 823.414+/-211.240 χ^2/NDF:59.1/21

Right Out: 895.463+/-556.666 χ^2/NDF: 14.2/18

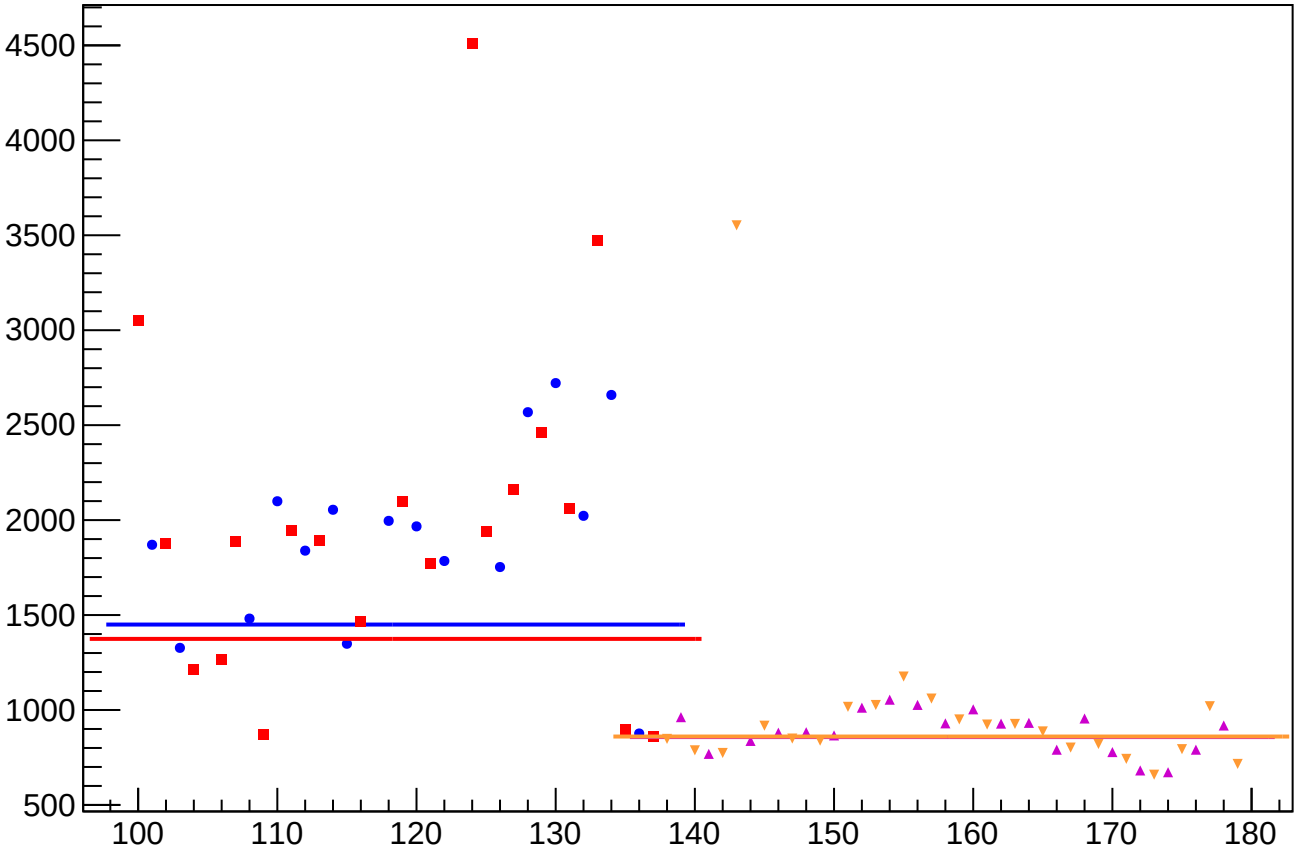
Left In: 376.307+/-214.439 χ^2/NDF:14.6/19

+ sign 867.558+/-198.415 χ^2/NDF: 81.2/37

All: 657.274+/-140.895 χ^2/NDF: 113.0/76

- sign 443.392+/-200.106 χ^2/NDF: 29.6/38

asym_at2_dd_eigen_cor_correction_rms vs Slug



Right In: 1449.939+/-0.409 χ^2/NDF: 1792673.2/15

Left Out: 860.211+/-0.149 χ^2/NDF:1568584.1/21

Right Out: 1374.438+/-0.394 χ^2/NDF: 2127695.6/18

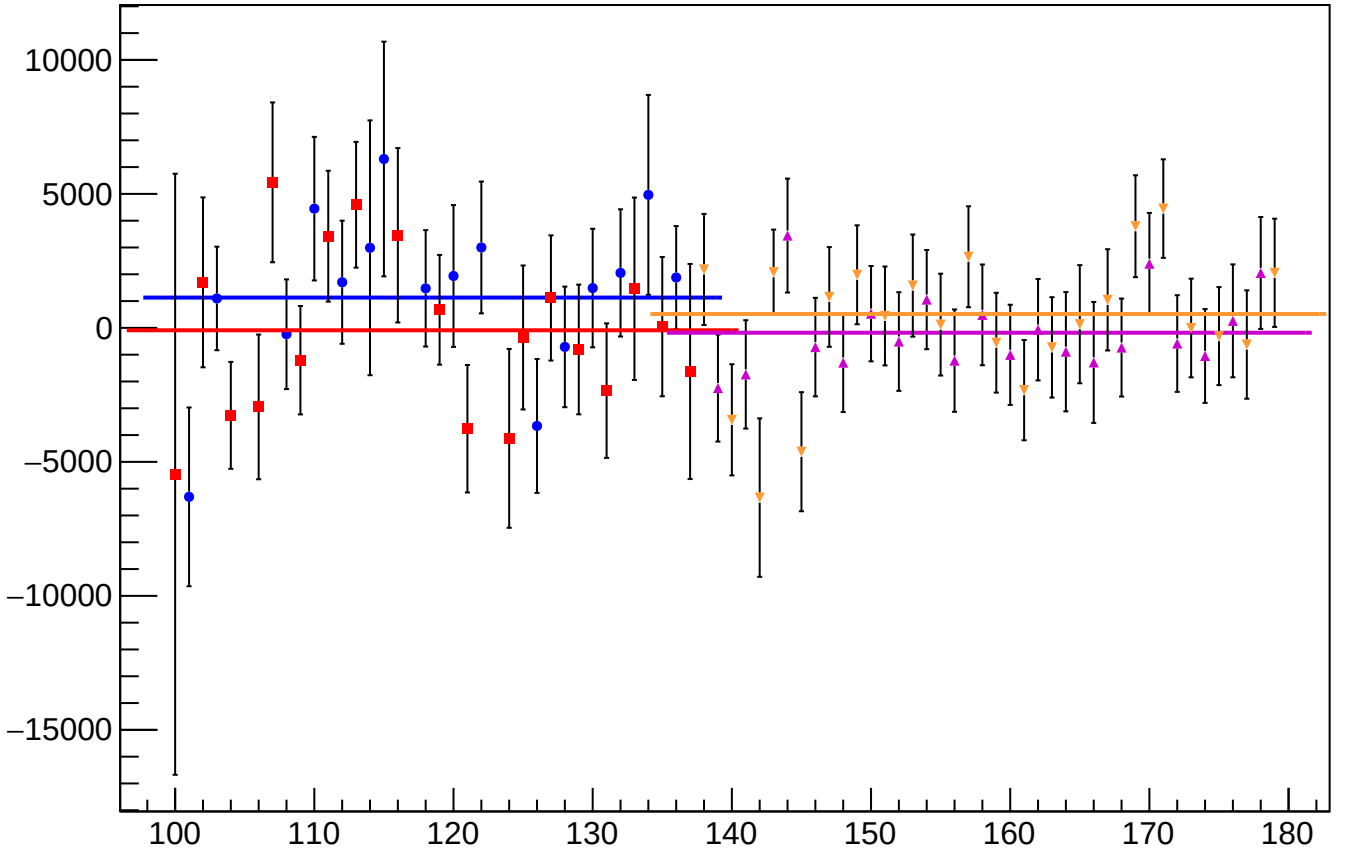
Left In: 857.363+/-0.152 χ^2/NDF:549839.0/19

+ sign 929.647+/-0.140 χ^2/NDF: 5196573.2/37

All: 926.937+/-0.100 χ^2/NDF: 9377500.0/76

- sign 924.179+/-0.141 χ^2/NDF: 4180173.8/38

dit_asym_at2_dd_mean vs Slug



Right In: 1130.726+/-617.236 χ^2/NDF: 15.0/15

Left Out: 518.348+/-412.023 χ^2/NDF:30.3/21

Right Out: -89.220+/-603.072 χ^2/NDF: 20.7/18

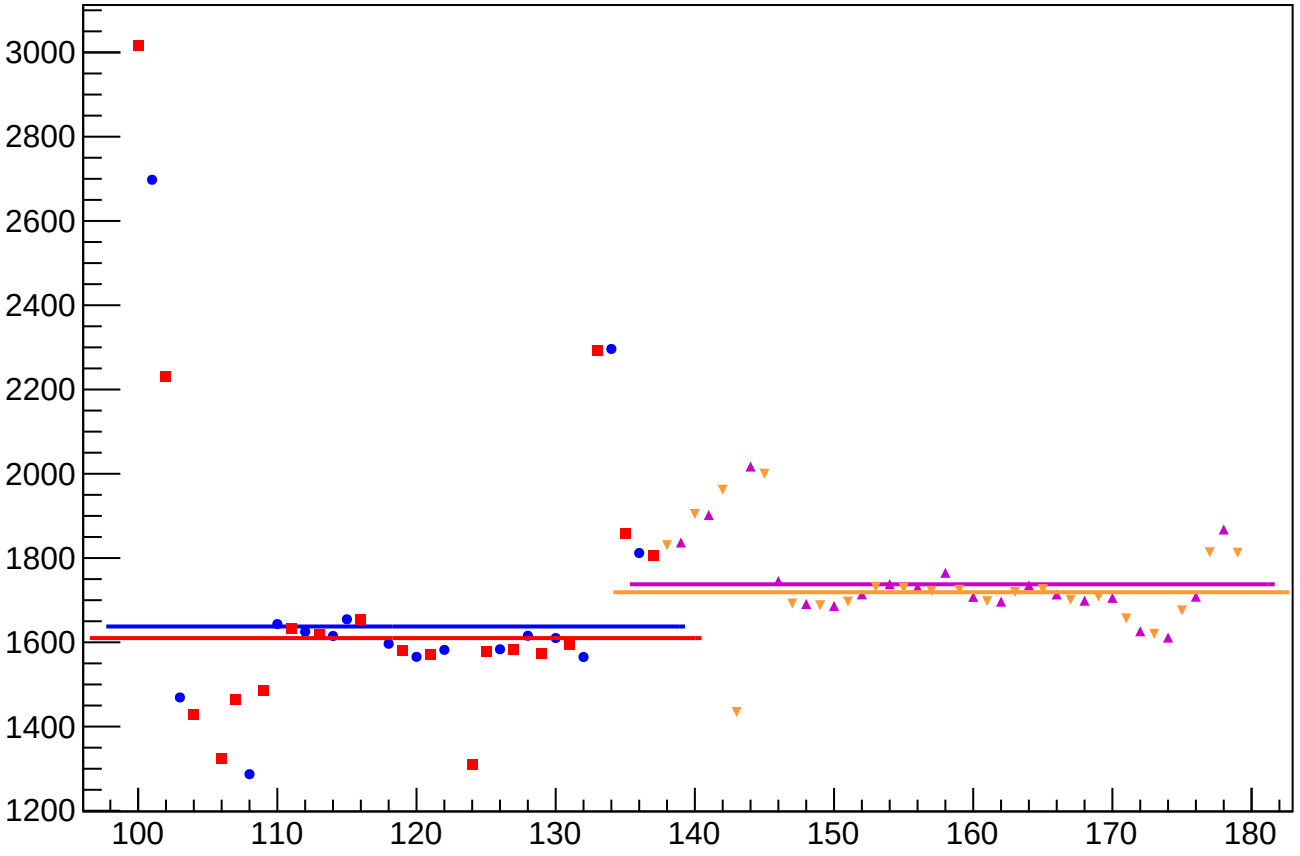
Left In: -180.990+/-430.476 χ^2/NDF:10.0/19

+ sign 707.109+/-342.687 χ^2/NDF: 45.9/37

All: 288.050+/-244.988 χ^2/NDF: 79.7/76

- sign -150.015+/-350.372 χ^2/NDF: 30.7/38

dit_asym_at2_dd_rms vs Slug



Right In: 1637.574+/-0.436 χ^2/NDF: 361417.0/15

Left Out: 1718.907+/-0.291 χ^2/NDF:151288.2/21

Right Out: 1610.043+/-0.426 χ^2/NDF: 280812.5/18

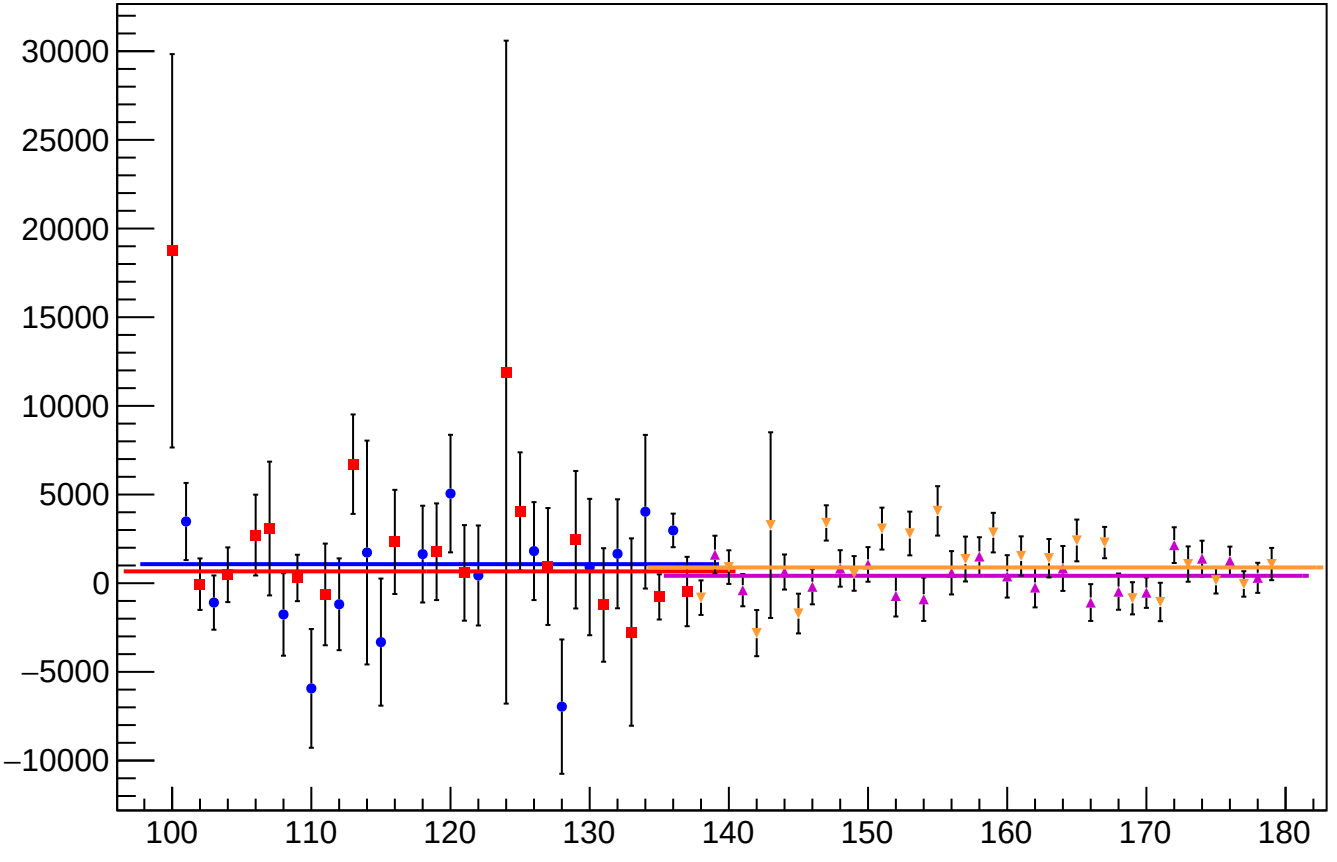
Left In: 1737.724+/-0.304 χ^2/NDF:85925.1/19

+ sign 1693.836+/-0.242 χ^2/NDF: 536727.3/37

All: 1694.223+/-0.173 χ^2/NDF: 962859.1/76

- sign 1694.627+/-0.248 χ^2/NDF: 426126.5/38

asym_at2_dd_dit_correction_mean vs Slug



Right In: 1073.600+/-571.609 χ^2/NDF: 22.0/15

Left Out: 888.375+/-220.018 χ^2/NDF:52.0/21

Right Out: 667.777+/-523.477 χ^2/NDF: 13.6/18

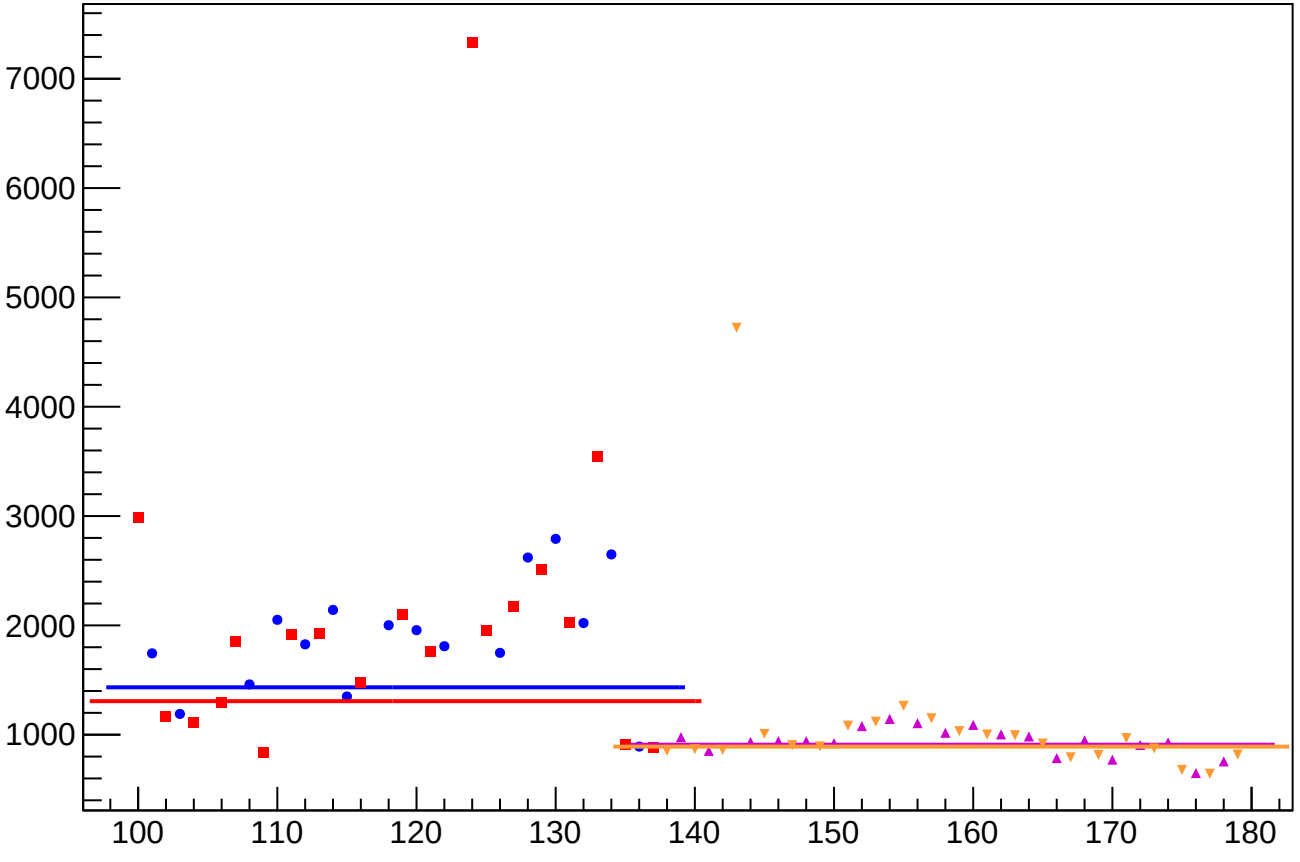
Left In: 417.807+/-227.494 χ^2/NDF:15.8/19

+ sign 912.276+/-205.333 χ^2/NDF: 74.1/37

All: 688.533+/-146.348 χ^2/NDF: 106.0/76

- sign 457.517+/-208.643 χ^2/NDF: 29.5/38

asym_at2_dd_dit_correction_rms vs Slug



Right In: 1433.477+/-0.404 χ^2/NDF: 1763491.8/15

Left Out: 890.828+/-0.156 χ^2/NDF:1983341.0/21

Right Out: 1306.866+/-0.370 χ^2/NDF: 2183906.3/18

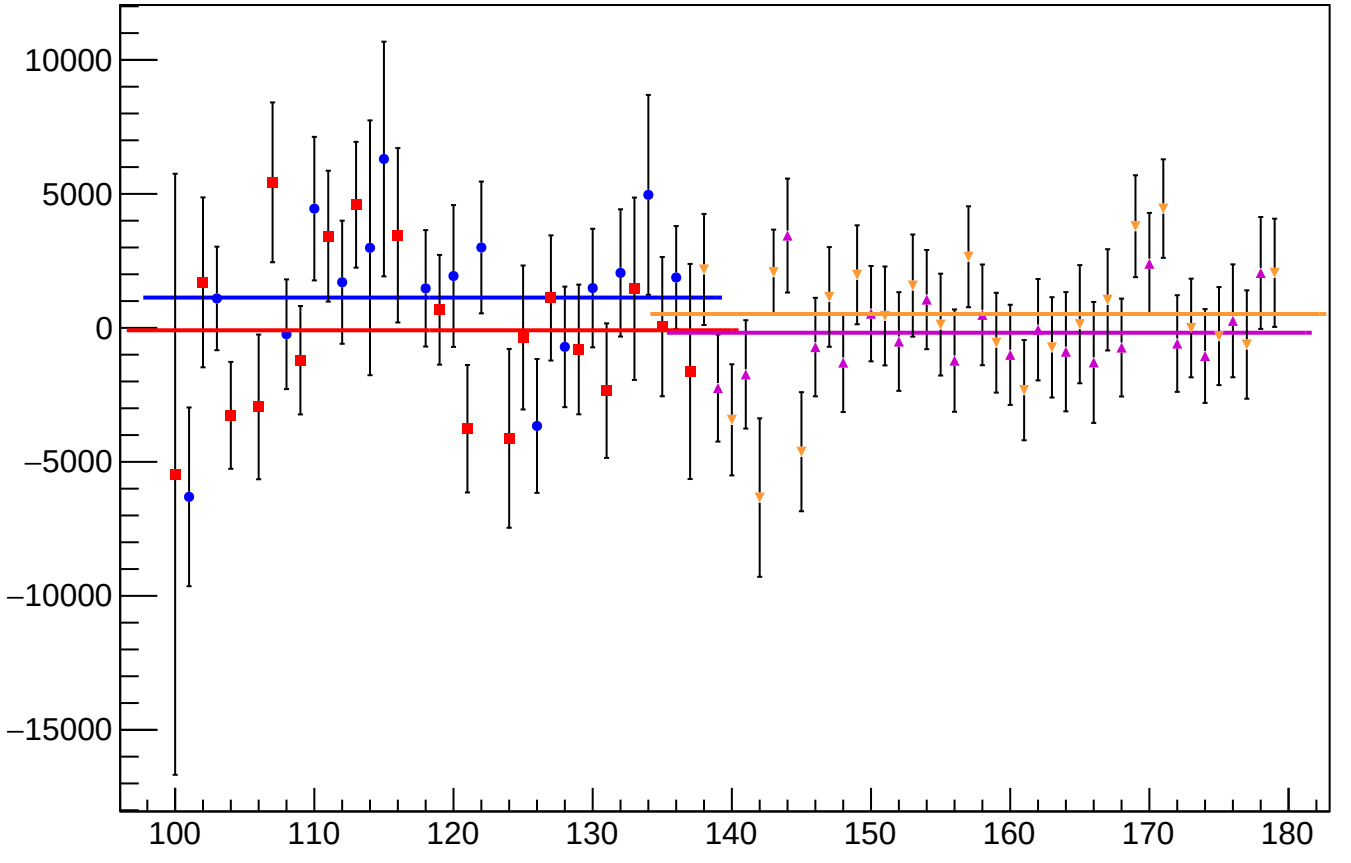
Left In: 908.739+/-0.161 χ^2/NDF:634511.8/19

+ sign 960.850+/-0.145 χ^2/NDF: 5316724.3/37

All: 966.329+/-0.103 χ^2/NDF: 9111114.7/76

- sign 971.985+/-0.148 χ^2/NDF: 3791496.6/38

eigen_dit_asym_at2_dd_mean vs Slug



Right In: 1130.728+/-617.236 χ^2/NDF: 15.0/15

Left Out: 518.343+/-412.023 χ^2/NDF:30.3/21

Right Out: -89.225+/-603.072 χ^2/NDF: 20.7/18

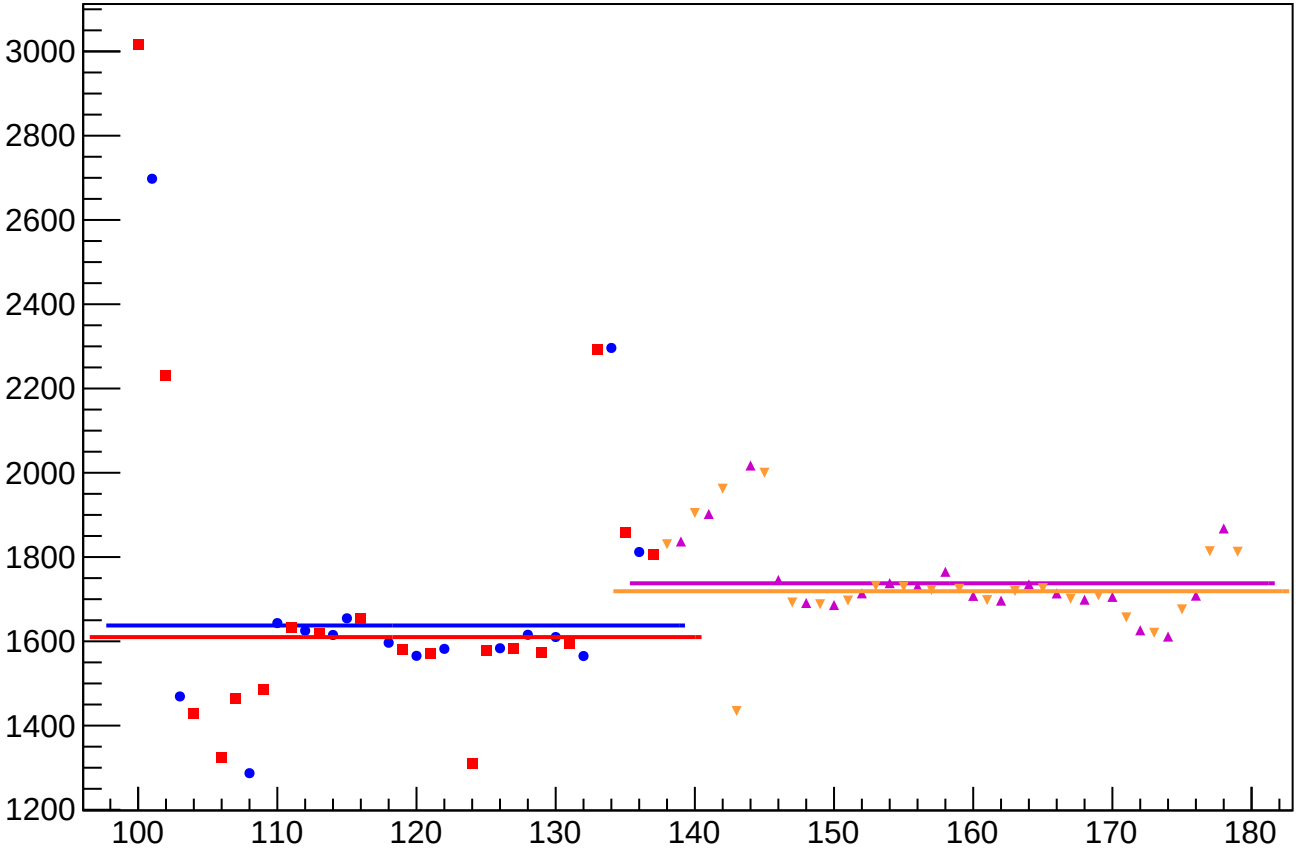
Left In: -180.992+/-430.476 χ^2/NDF:10.0/19

+ sign 707.106+/-342.687 χ^2/NDF: 45.9/37

All: 288.048+/-244.988 χ^2/NDF: 79.7/76

- sign -150.017+/-350.372 χ^2/NDF: 30.7/38

eigen_dit_asym_at2_dd_rms vs Slug



Right In: 1637.574+/-0.436 χ^2/NDF: 361416.8/15

Left Out: 1718.906+/-0.291 χ^2/NDF:151287.1/21

Right Out: 1610.043+/-0.426 χ^2/NDF: 280812.7/18

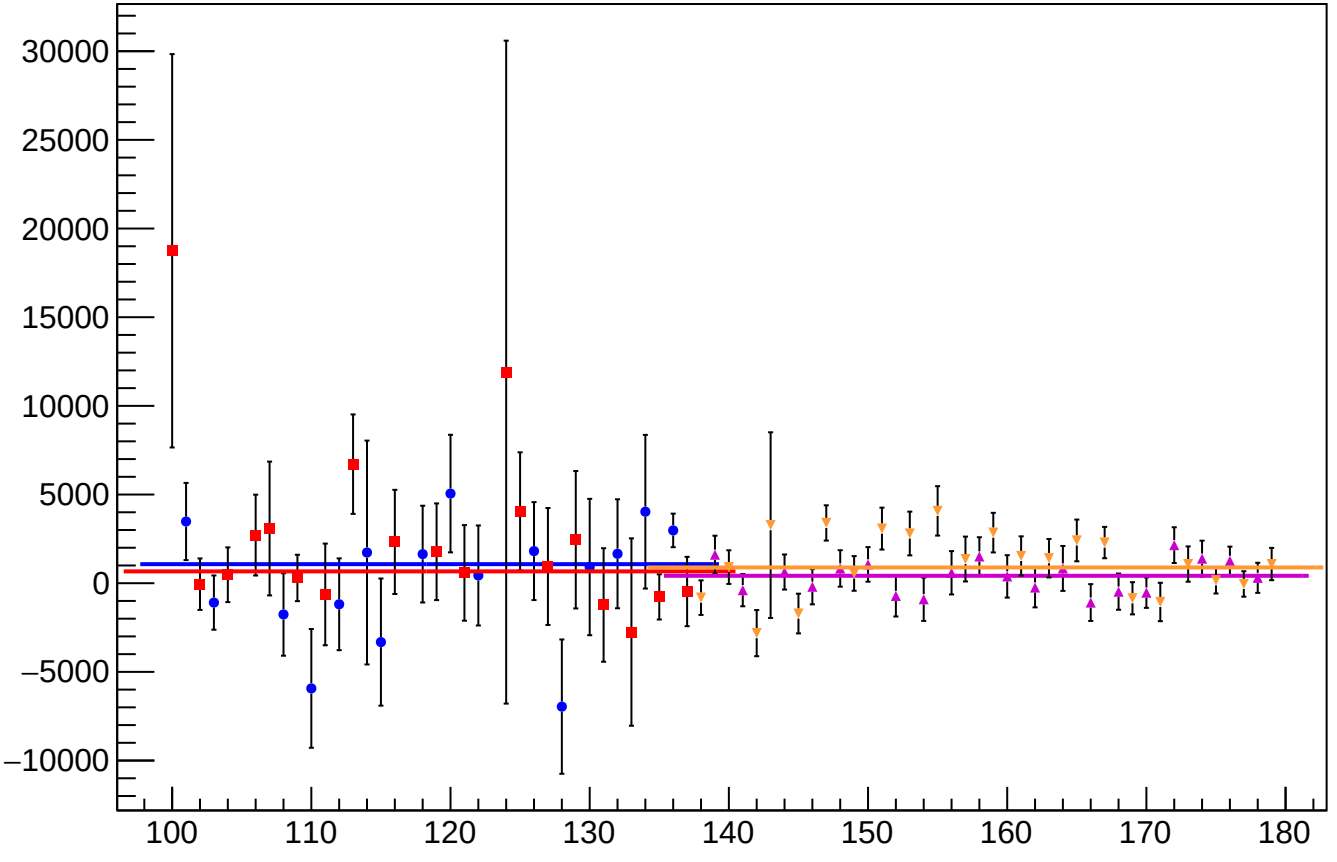
Left In: 1737.724+/-0.304 χ^2/NDF:85925.2/19

+ sign 1693.836+/-0.242 χ^2/NDF: 536726.0/37

All: 1694.223+/-0.173 χ^2/NDF: 962857.9/76

- sign 1694.627+/-0.248 χ^2/NDF: 426126.7/38

asym_at2_dd_eigen_dit_correction_mean vs Slug



Right In: 1073.589+/-571.613 χ^2/NDF: 22.0/15

Left Out: 888.379+/-220.018 χ^2/NDF:52.0/21

Right Out: 667.789+/-523.481 χ^2/NDF: 13.6/18

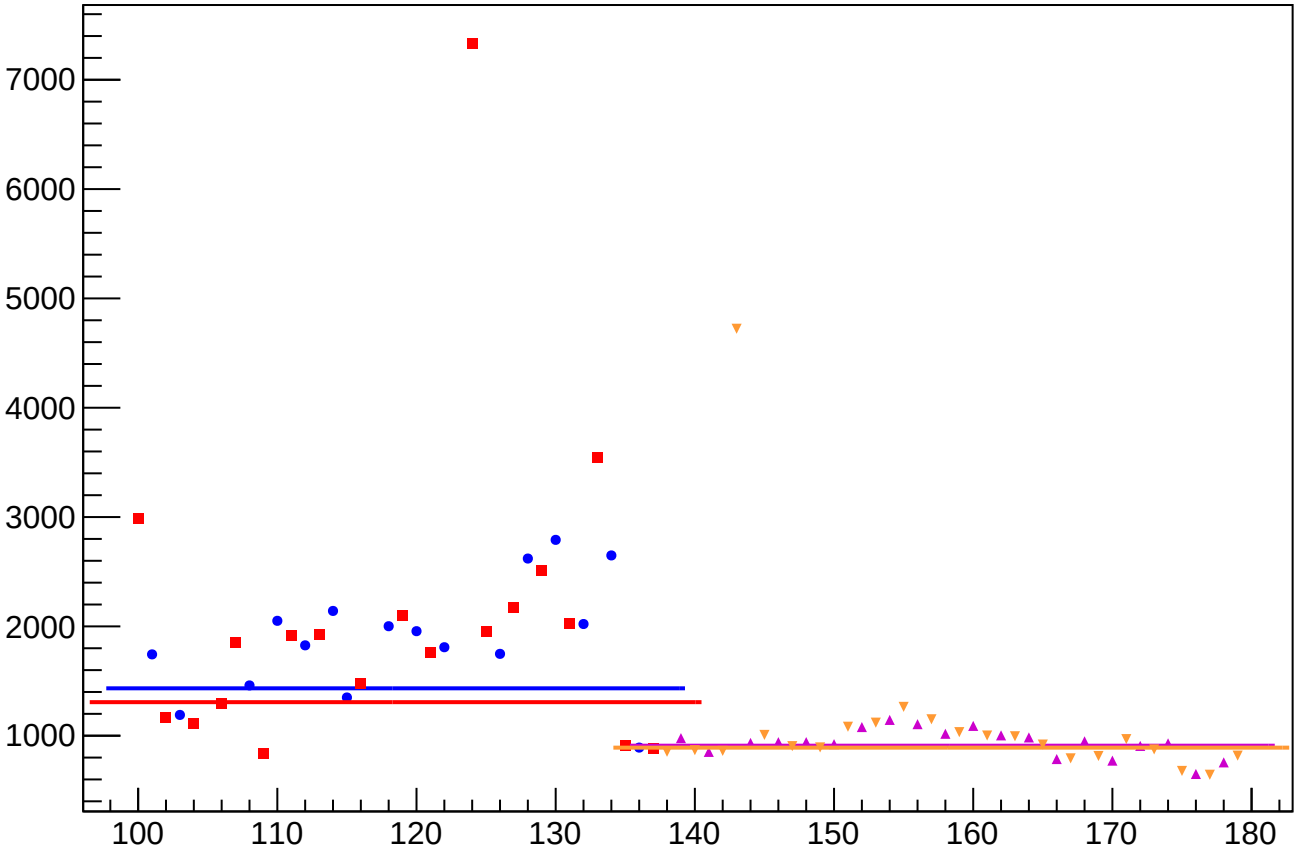
Left In: 417.805+/-227.493 χ^2/NDF:15.8/19

+ sign 912.278+/-205.333 χ^2/NDF: 74.1/37

All: 688.533+/-146.348 χ^2/NDF: 106.0/76

- sign 457.517+/-208.643 χ^2/NDF: 29.5/38

asym_at2_dd_eigen_dit_correction_rms vs Slug



Right In: 1433.492+/-0.404 χ^2/NDF: 1763397.4/15

Left Out: 890.828+/-0.156 χ^2/NDF:1983331.7/21

Right Out: 1306.880+/-0.370 χ^2/NDF: 2183835.0/18

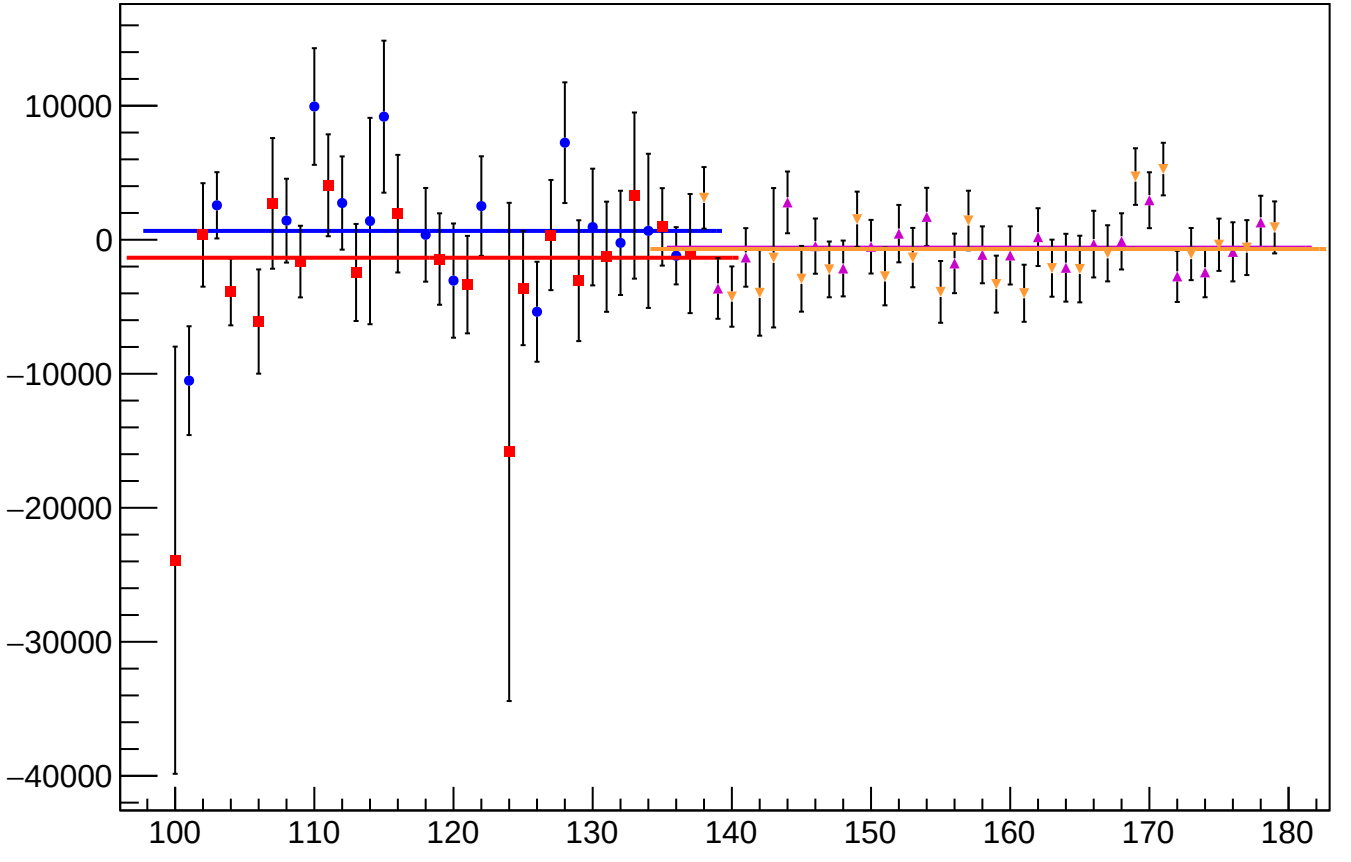
Left In: 908.738+/-0.161 χ^2/NDF:634518.6/19

+ sign 960.851+/-0.145 χ^2/NDF: 5316689.3/37

All: 966.329+/-0.103 χ^2/NDF: 9111072.9/76

- sign 971.985+/-0.148 χ^2/NDF: 3791490.3/38

asym_at2_dd_mean vs Slug



Right In: 659.458+/-909.570 χ^2/NDF: 22.0/15

Left Out: -690.724+/-469.823 χ^2/NDF:34.0/21

Right Out: -1341.998+/-890.576 χ^2/NDF: 10.8/18

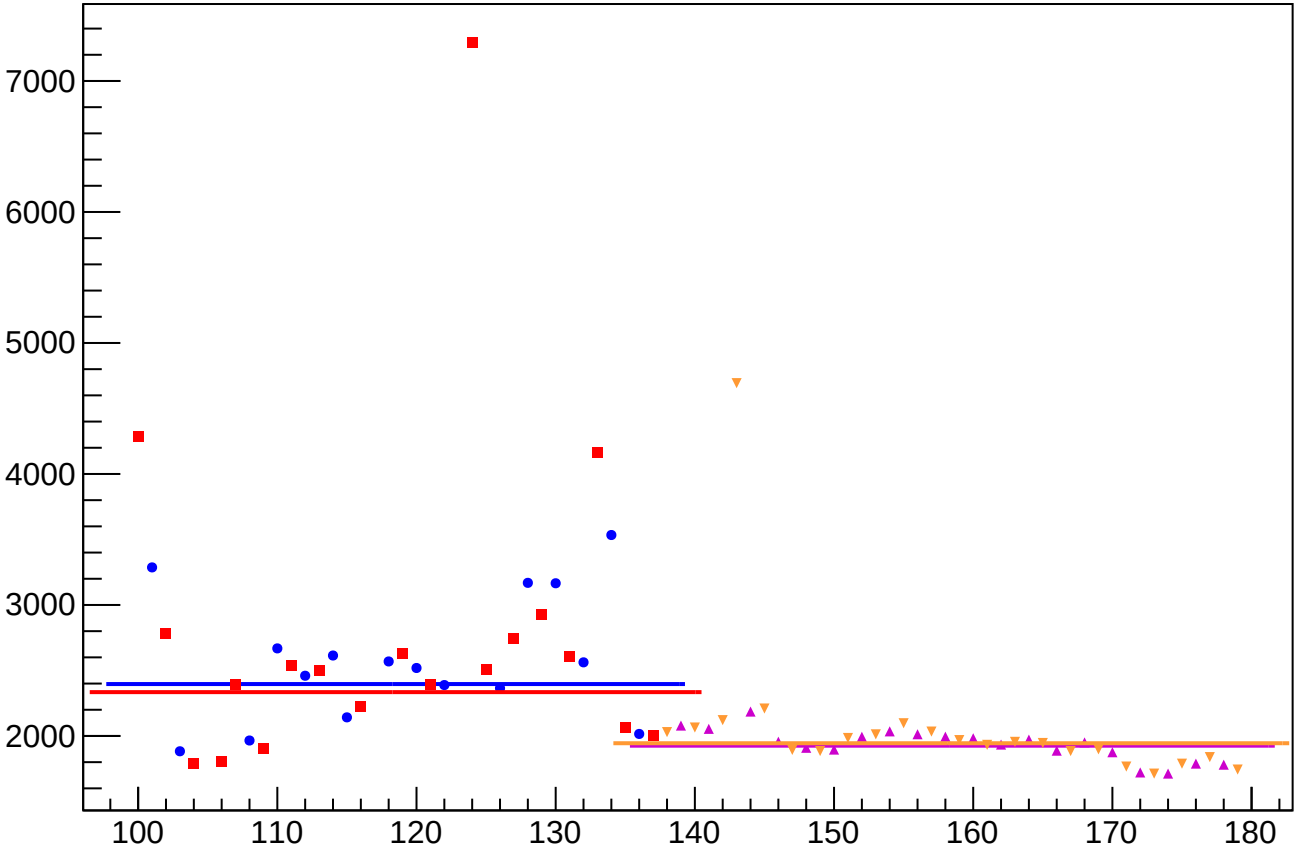
Left In: -588.232+/-477.338 χ^2/NDF:13.0/19

\+ sign -406.357+/-417.426 χ^2/NDF: 57.7/37

All: -580.030+/-296.321 χ^2/NDF: 82.4/76

\- sign -756.451+/-420.716 χ^2/NDF: 24.4/38

asym_at2_dd_rms vs Slug



Right In: 2396.276+/-0.643 χ^2/NDF: 507897.2/15

Left Out: 1944.479+/-0.332 χ^2/NDF:701343.3/21

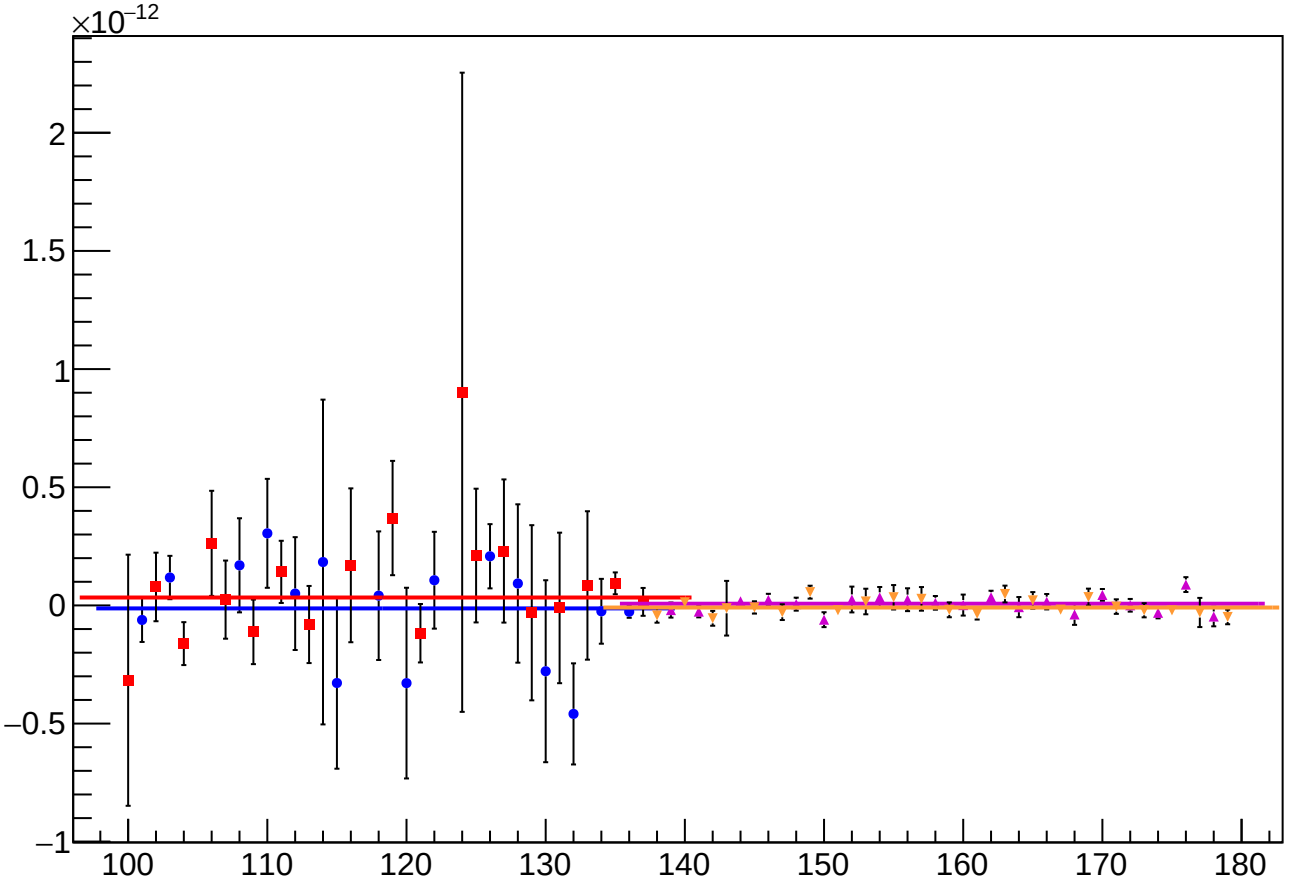
Right Out: 2334.592+/-0.630 χ^2/NDF: 681568.6/18

Left In: 1925.800+/-0.338 χ^2/NDF:126401.2/19

+ sign 2039.634+/-0.295 χ^2/NDF: 1598764.9/37

All: 2028.421+/-0.210 χ^2/NDF: 2737002.2/76

- sign 2017.032+/-0.297 χ^2/NDF: 1135328.6/38



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.0/21

Right Out: 0.000+/-0.000 χ^2/NDF: 15.2/18

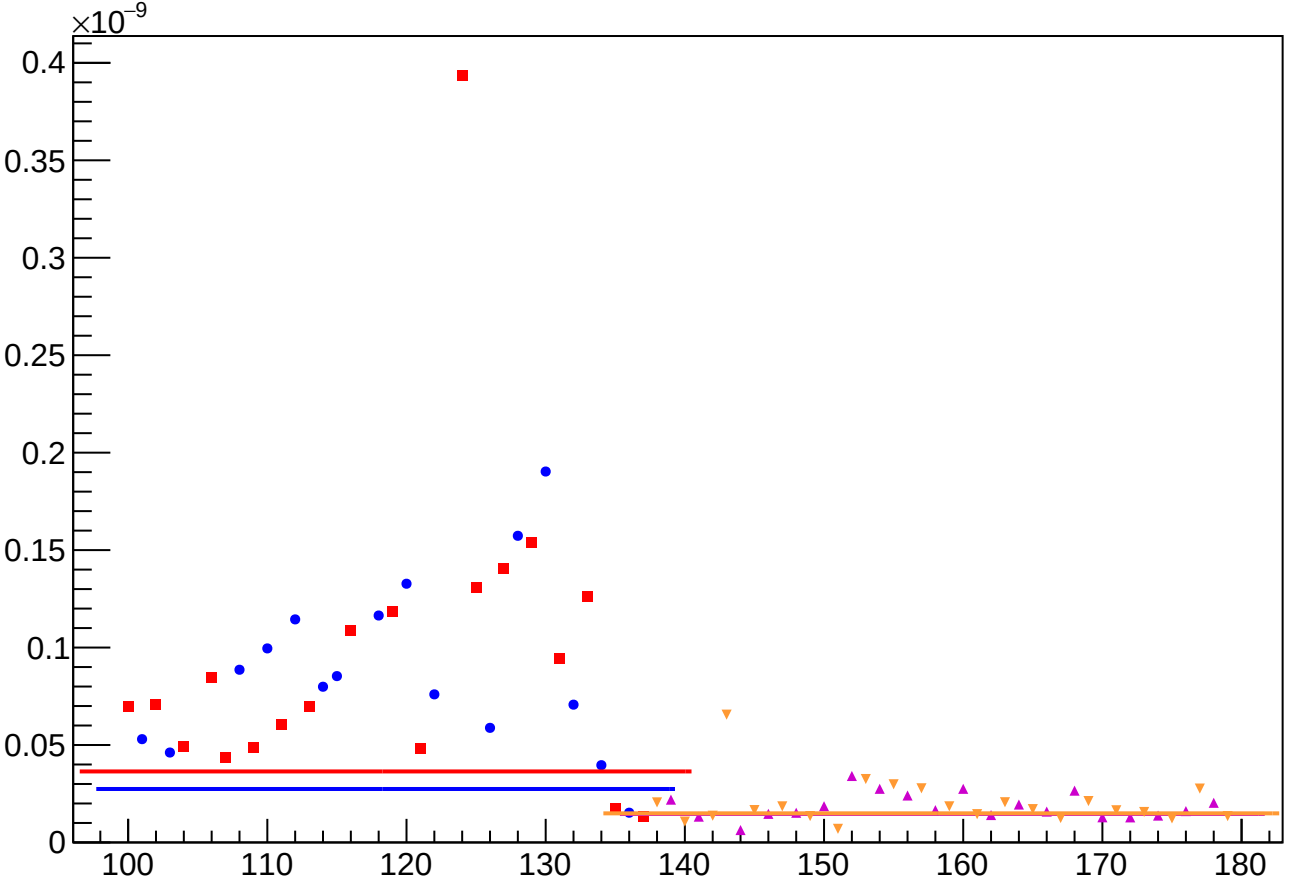
Left In: 0.000+/-0.000 χ^2/NDF:24.3/19

+ sign -0.000+/-0.000 χ^2/NDF: 35.9/37

All: -0.000+/-0.000 χ^2/NDF: 80.4/76

- sign 0.000+/-0.000 χ^2/NDF: 40.3/38

asym_at2_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2728016.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1772716.1/21

Right Out: 0.000+/-0.000 χ^2/NDF: 2442395.8/18

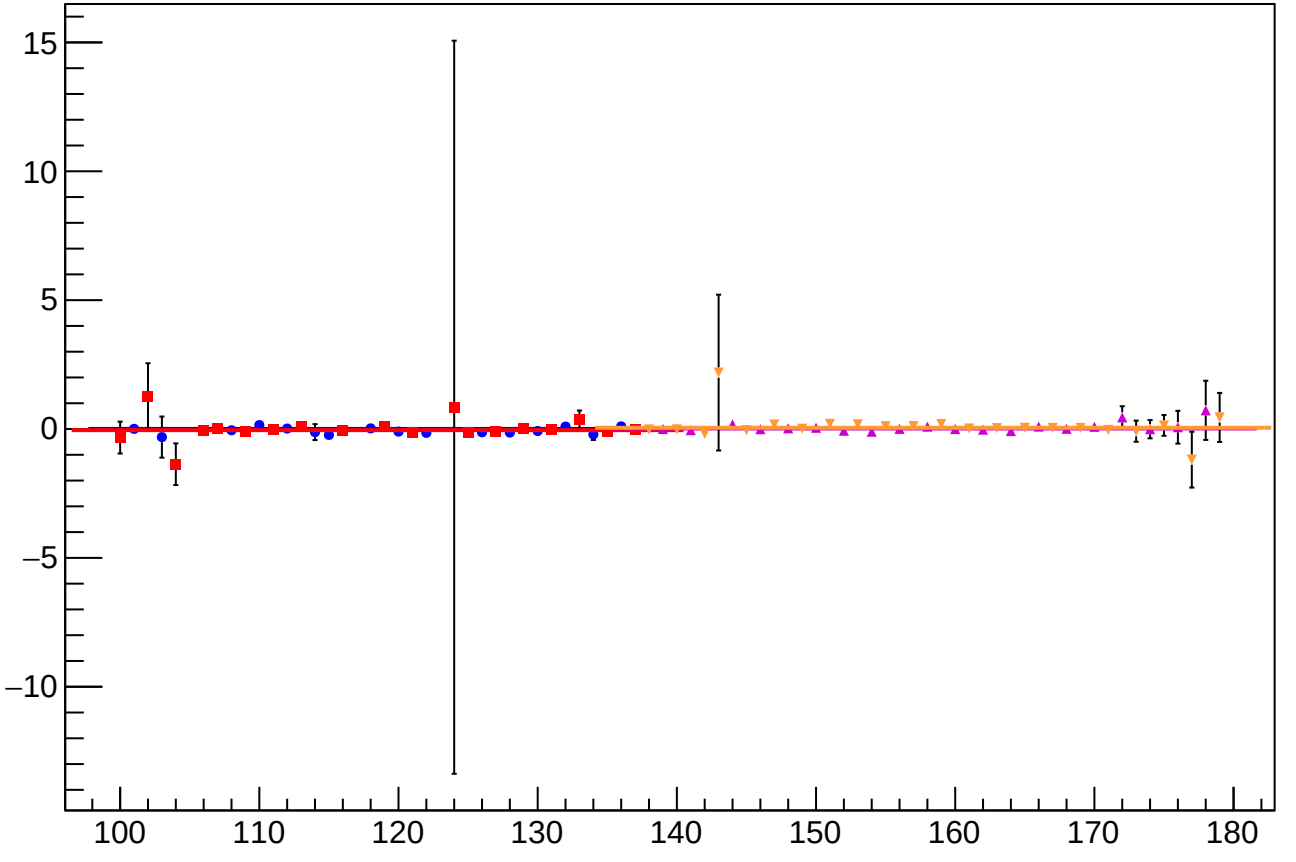
Left In: 0.000+/-0.000 χ^2/NDF:1783181.5/19

+ sign 0.000+/-0.000 χ^2/NDF: 5090191.0/37

All: 0.000+/-0.000 χ^2/NDF: 10470799.6/76

- sign 0.000+/-0.000 χ^2/NDF: 5380170.4/38

asym_at2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: 0.049+/-0.017 χ^2/NDF:21.4/21

Right Out: -0.044+/-0.025 χ^2/NDF: 12.7/18

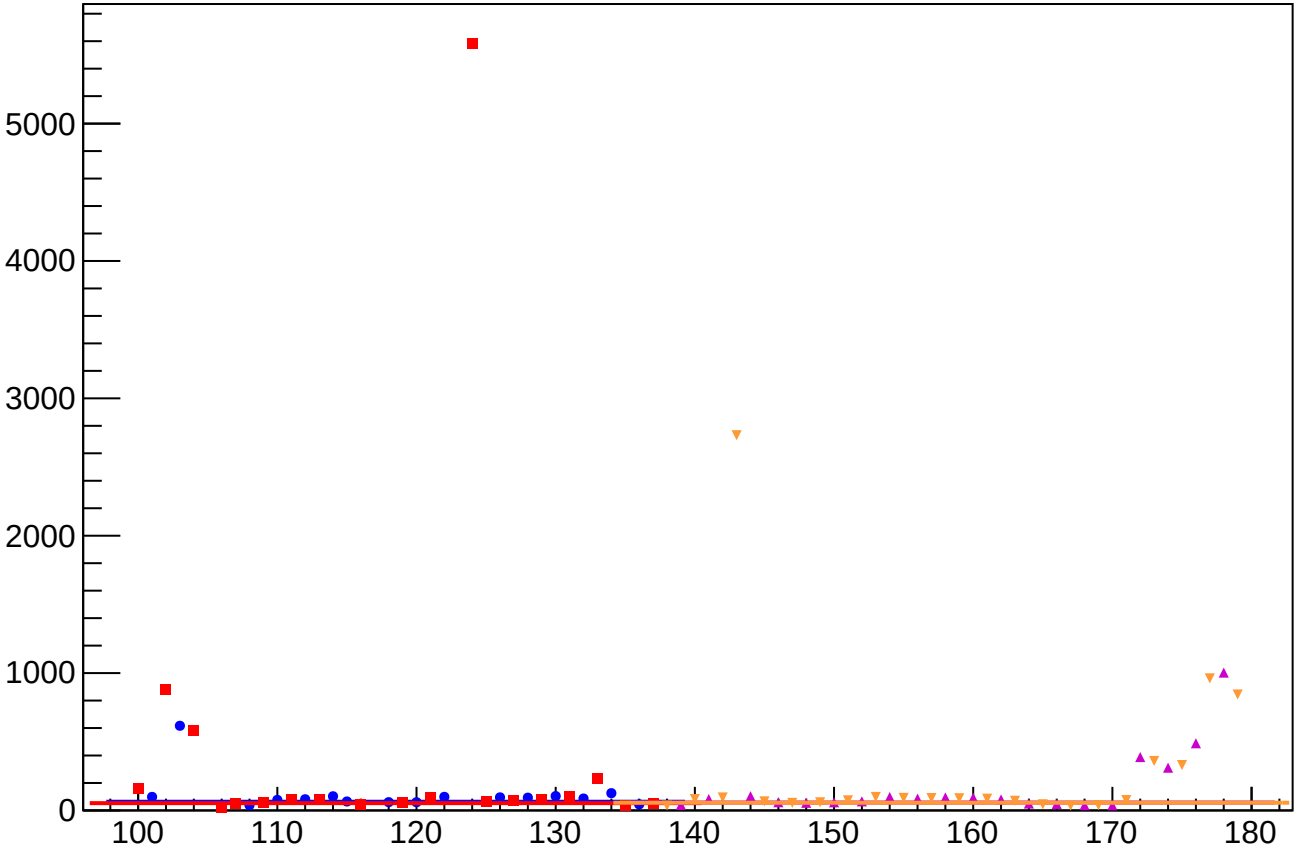
Left In: 0.020+/-0.017 χ^2/NDF:13.1/19

+ sign 0.036+/-0.014 χ^2/NDF: 36.7/37

All: 0.017+/-0.010 χ^2/NDF: 70.2/76

- sign -0.000+/-0.014 χ^2/NDF: 30.3/38

asym_at2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 63.454+/-0.019 χ^2/NDF: 2445255.1/15

Left Out: 56.344+/-0.012 χ^2/NDF:9349588.5/21

Right Out: 53.206+/-0.018 χ^2/NDF: 3945779.6/18

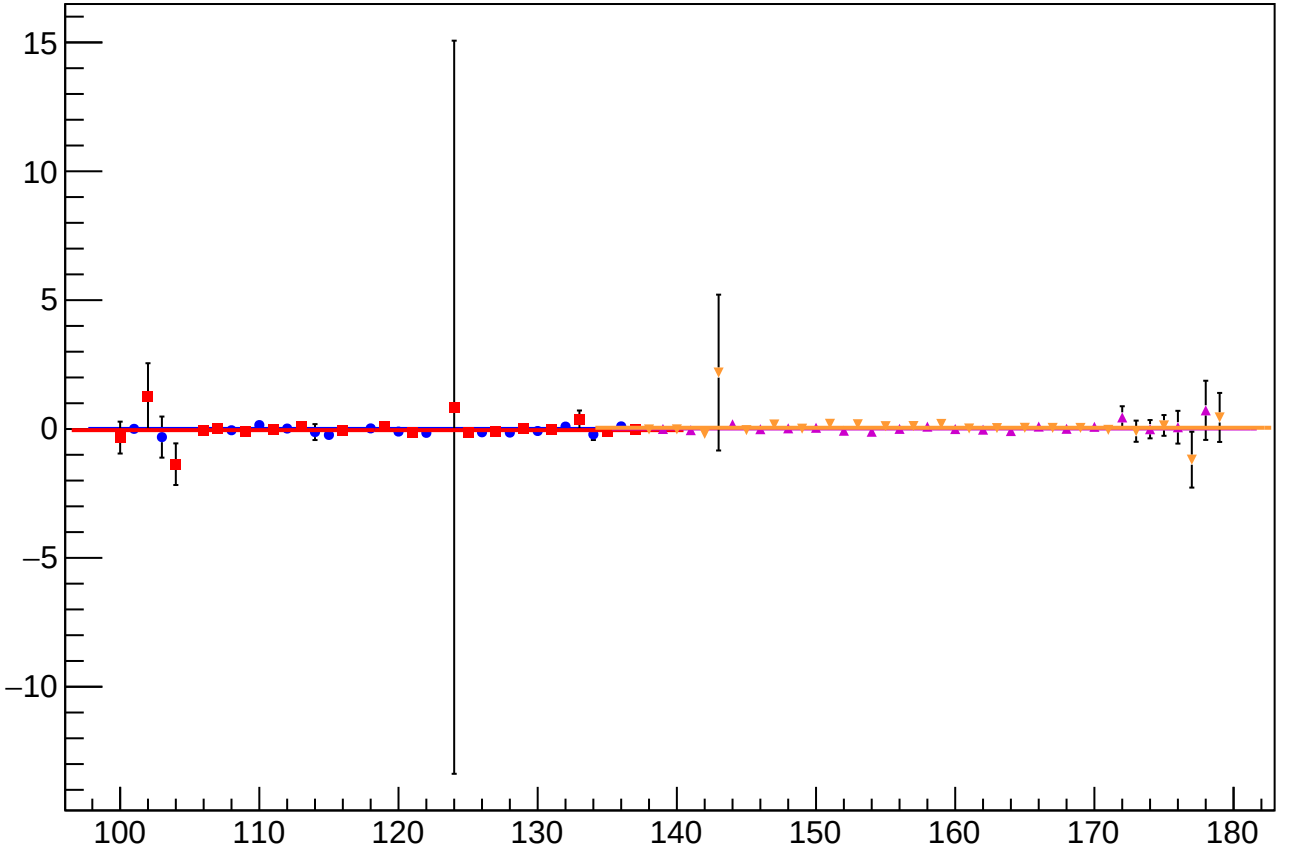
Left In: 57.621+/-0.012 χ^2/NDF:7147036.1/19

+ sign 58.348+/-0.010 χ^2/NDF: 11892894.8/37

All: 57.246+/-0.007 χ^2/NDF: 23051203.3/76

- sign 56.196+/-0.010 χ^2/NDF: 11135597.9/38

asym_at2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: 0.049+/-0.017 χ^2/NDF:21.4/21

Right Out: -0.044+/-0.025 χ^2/NDF: 12.7/18

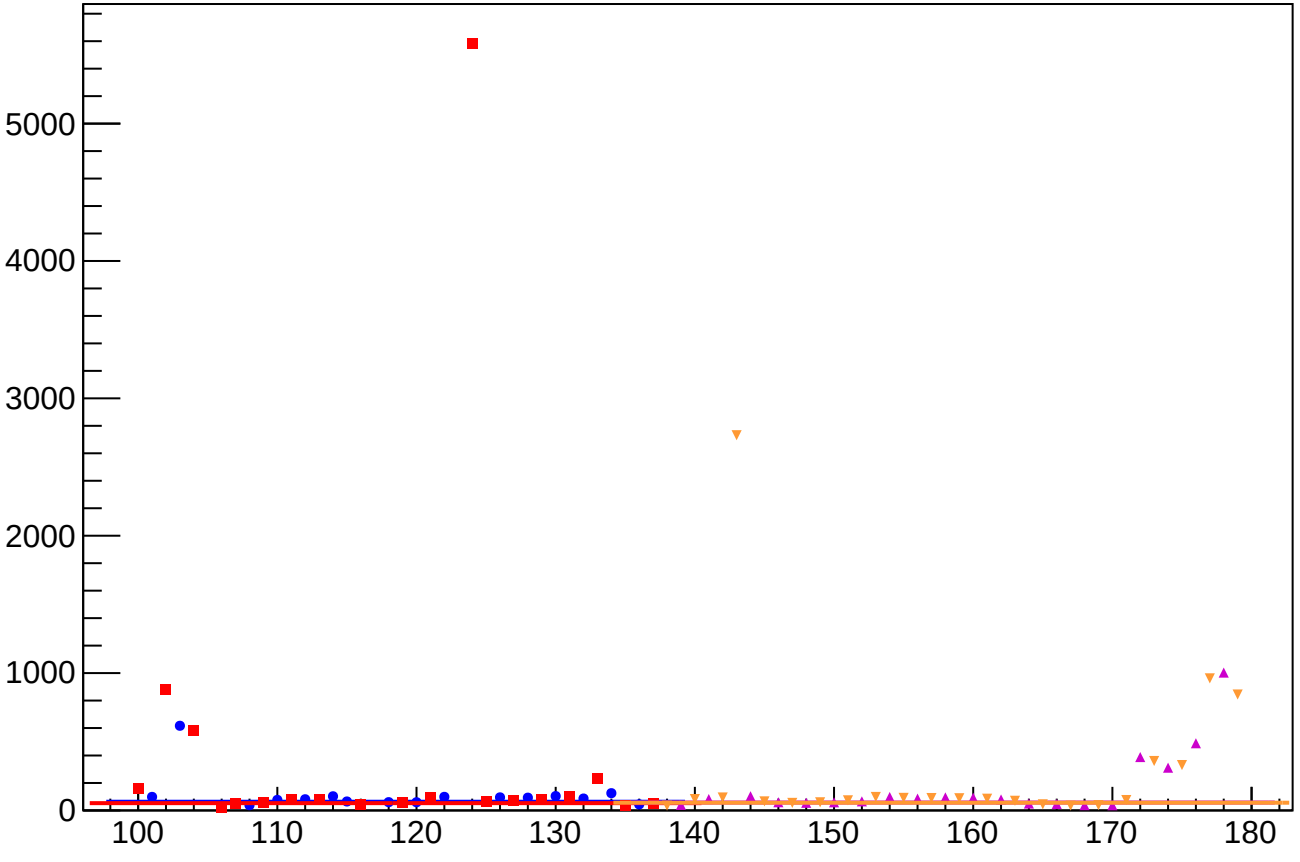
Left In: 0.020+/-0.017 χ^2/NDF:13.1/19

+ sign 0.036+/-0.014 χ^2/NDF: 36.7/37

All: 0.017+/-0.010 χ^2/NDF: 70.2/76

- sign -0.000+/-0.014 χ^2/NDF: 30.3/38

asym_at2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 63.454+/-0.019 χ^2/NDF: 2445255.1/15

Left Out: 56.344+/-0.012 χ^2/NDF:9349588.5/21

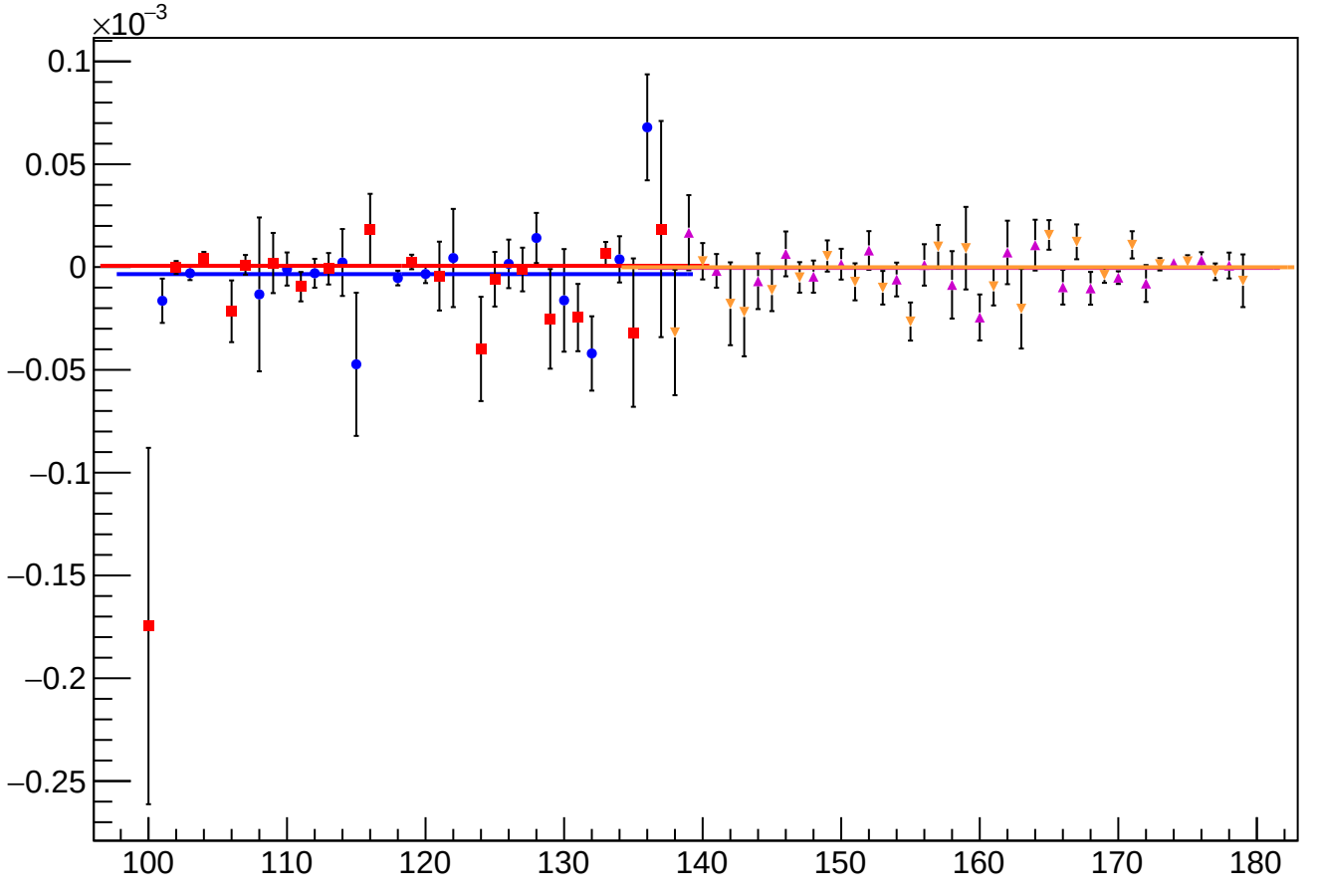
Right Out: 53.206+/-0.018 χ^2/NDF: 3945779.6/18

Left In: 57.621+/-0.012 χ^2/NDF:7147036.1/19

+ sign 58.348+/-0.010 χ^2/NDF: 11892894.8/37

All: 57.246+/-0.007 χ^2/NDF: 23051203.3/76

- sign 56.196+/-0.010 χ^2/NDF: 11135597.9/38



Right In: -0.000+/-0.000 χ^2/NDF: 18.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:30.8/21

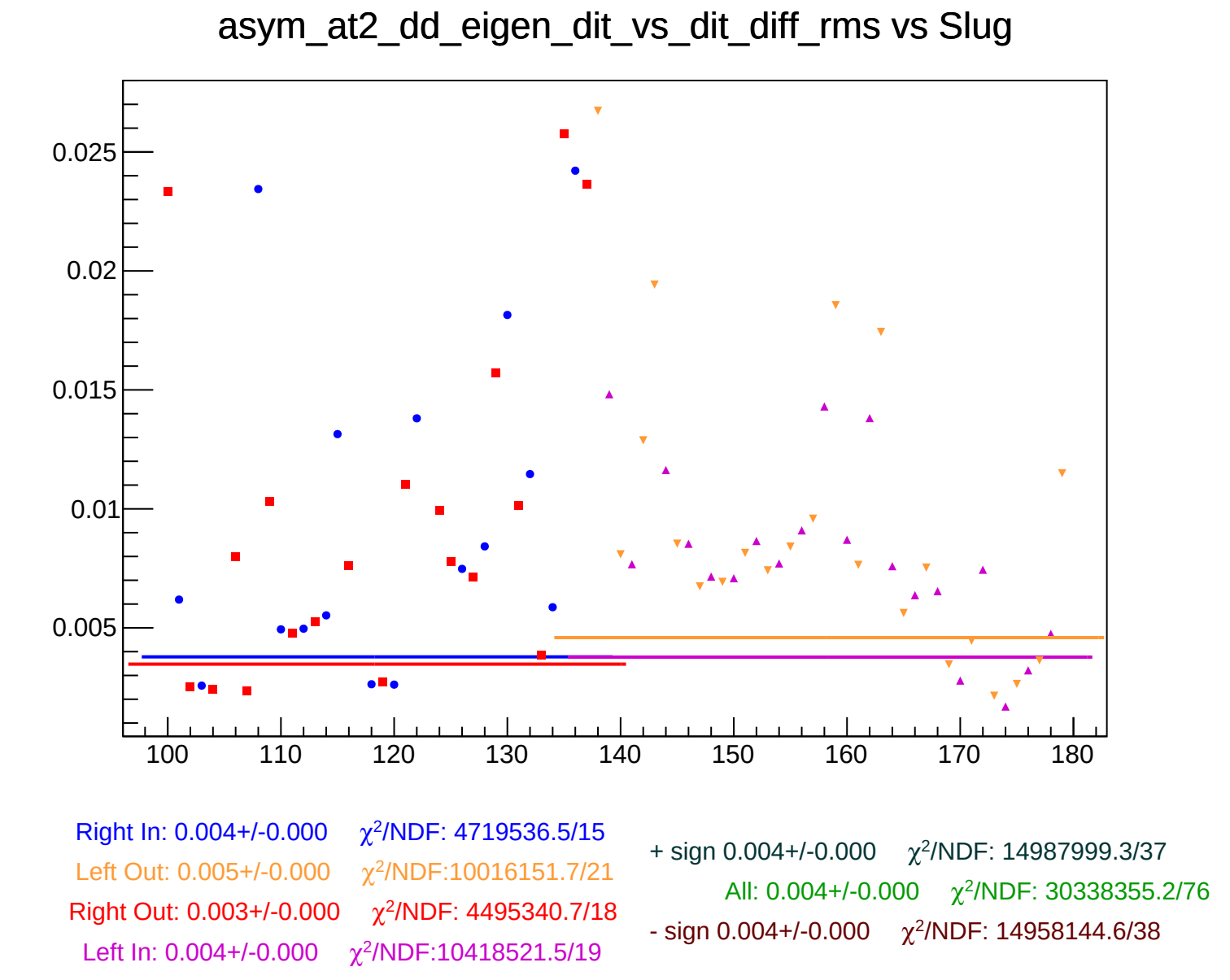
Right Out: 0.000+/-0.000 χ^2/NDF: 19.2/18

Left In: -0.000+/-0.000 χ^2/NDF:17.4/19

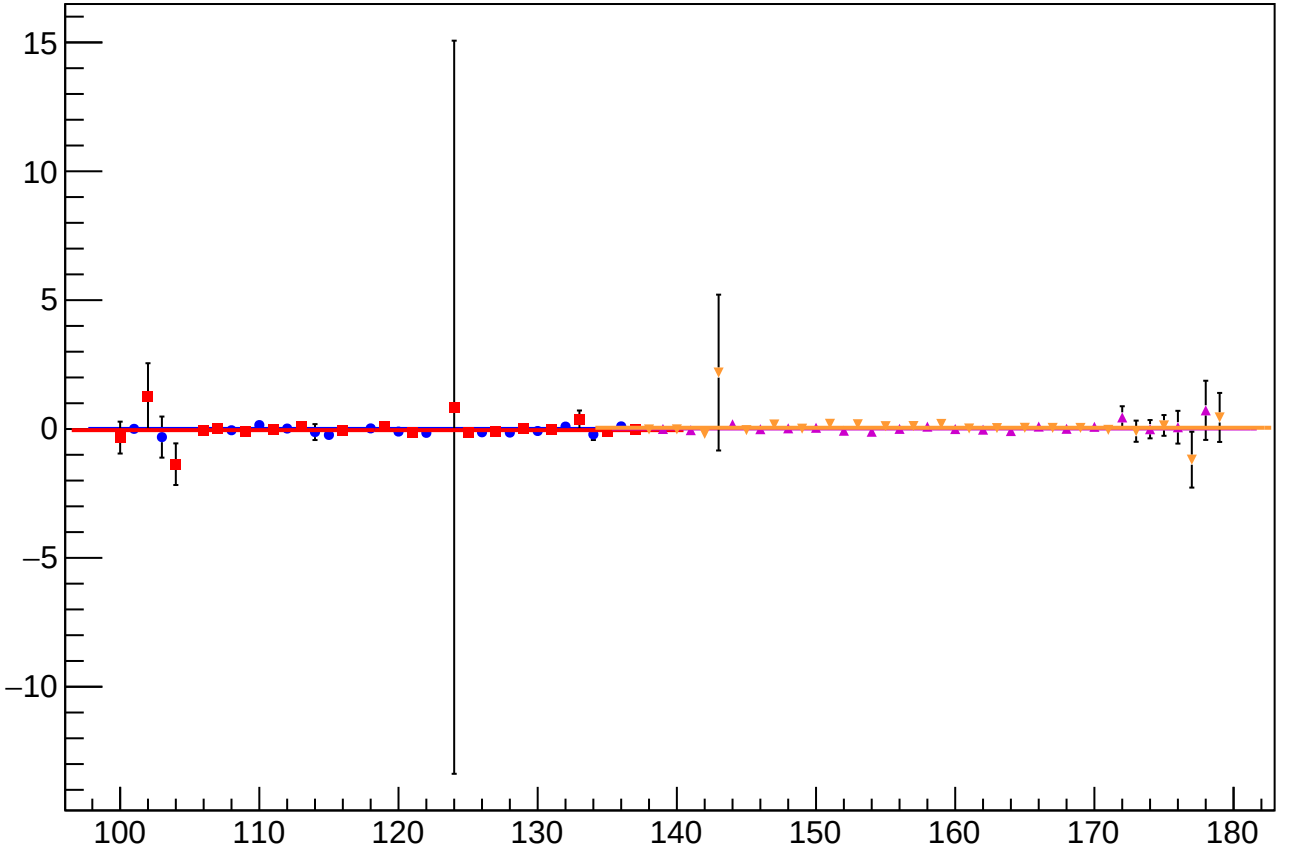
+ sign -0.000+/-0.000 χ^2/NDF: 51.8/37

All: -0.000+/-0.000 χ^2/NDF: 89.4/76

- sign -0.000+/-0.000 χ^2/NDF: 36.8/38


asym_at2_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.025
0.02
0.015
0.01
0.005
100
110
120
130
140
150
160
170
180
Right In: 0.004+/-0.000 χ²/NDF: 4719536.5/15
Left Out: 0.005+/-0.000 χ²/NDF:10016151.7/21
Right Out: 0.003+/-0.000 χ²/NDF: 4495340.7/18
Left In: 0.004+/-0.000 χ²/NDF:10418521.5/19
+ sign 0.004+/-0.000 χ²/NDF: 14987999.3/37
All: 0.004+/-0.000 χ²/NDF: 30338355.2/76
- sign 0.004+/-0.000 χ²/NDF: 14958144.6/38

asym_at2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: 0.049+/-0.017 χ^2/NDF:21.4/21

Right Out: -0.044+/-0.025 χ^2/NDF: 12.7/18

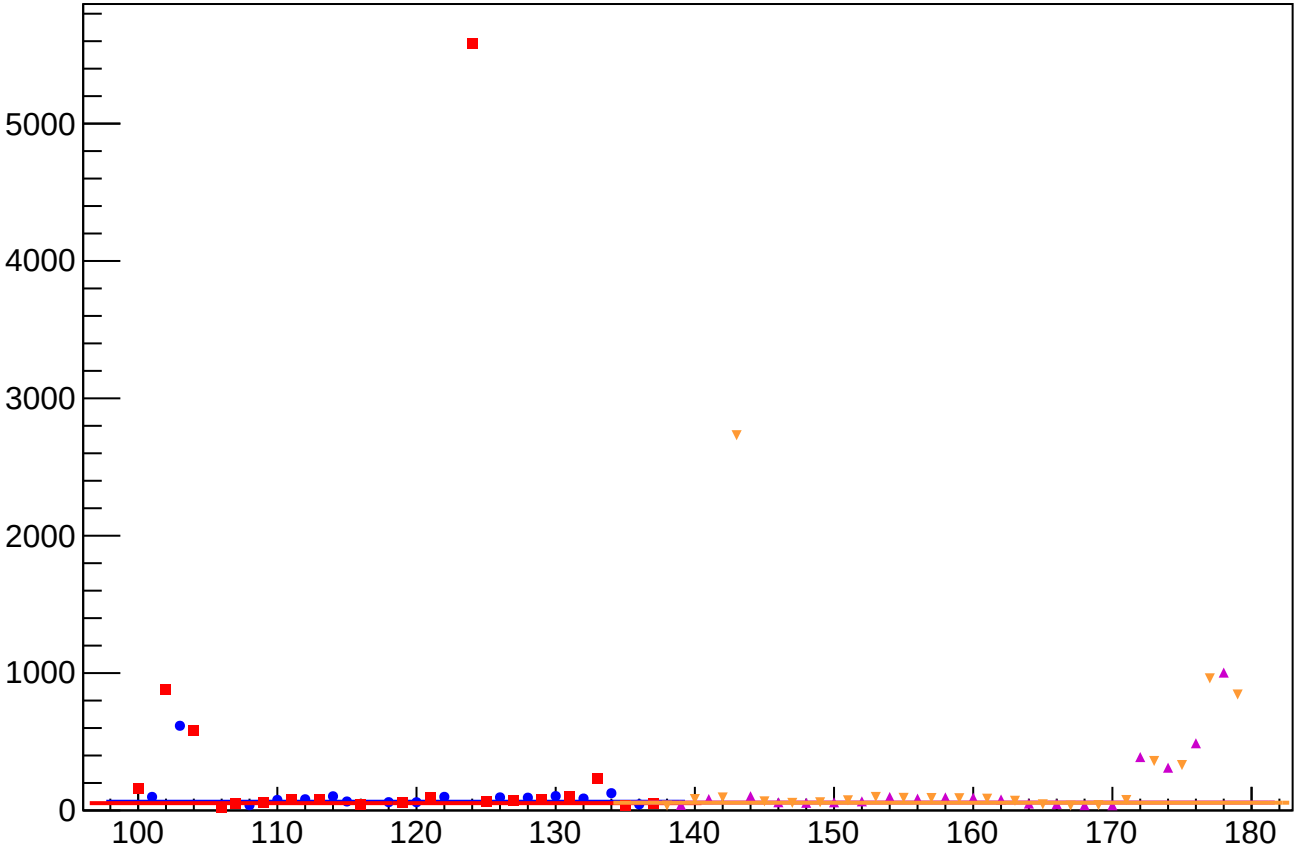
Left In: 0.020+/-0.017 χ^2/NDF:13.1/19

+ sign 0.036+/-0.014 χ^2/NDF: 36.7/37

All: 0.017+/-0.010 χ^2/NDF: 70.2/76

- sign -0.000+/-0.014 χ^2/NDF: 30.3/38

asym_at2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 63.463+/-0.019 χ^2/NDF: 2444357.3/15

Left Out: 56.343+/-0.012 χ^2/NDF:9349318.1/21

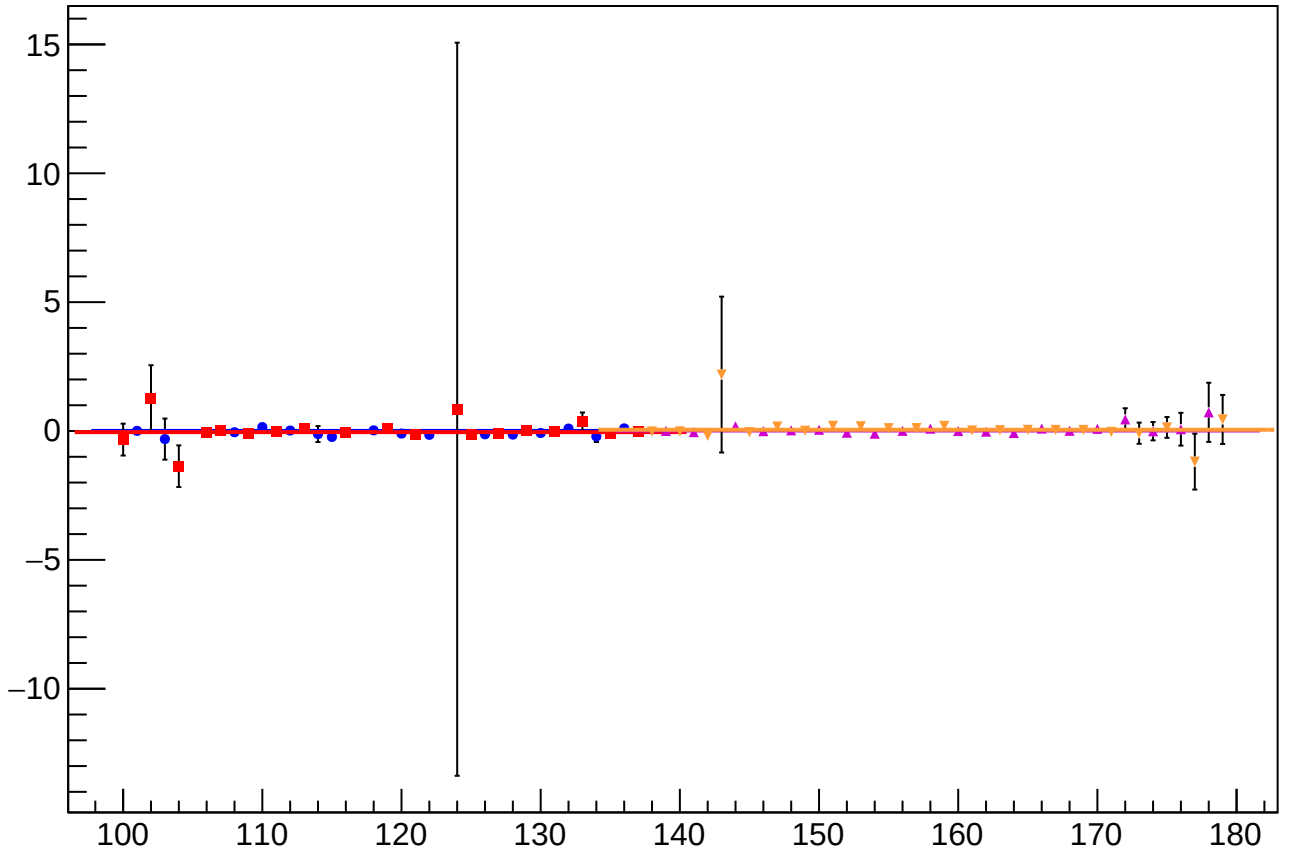
Right Out: 53.201+/-0.018 χ^2/NDF: 3946328.9/18

Left In: 57.623+/-0.012 χ^2/NDF:7146562.3/19

+ sign 58.349+/-0.010 χ^2/NDF: 11891990.7/37

All: 57.247+/-0.007 χ^2/NDF: 23050555.0/76

- sign 56.195+/-0.010 χ^2/NDF: 11135820.1/38



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: 0.049+/-0.017 χ^2/NDF:21.4/21

Right Out: -0.044+/-0.025 χ^2/NDF: 12.7/18

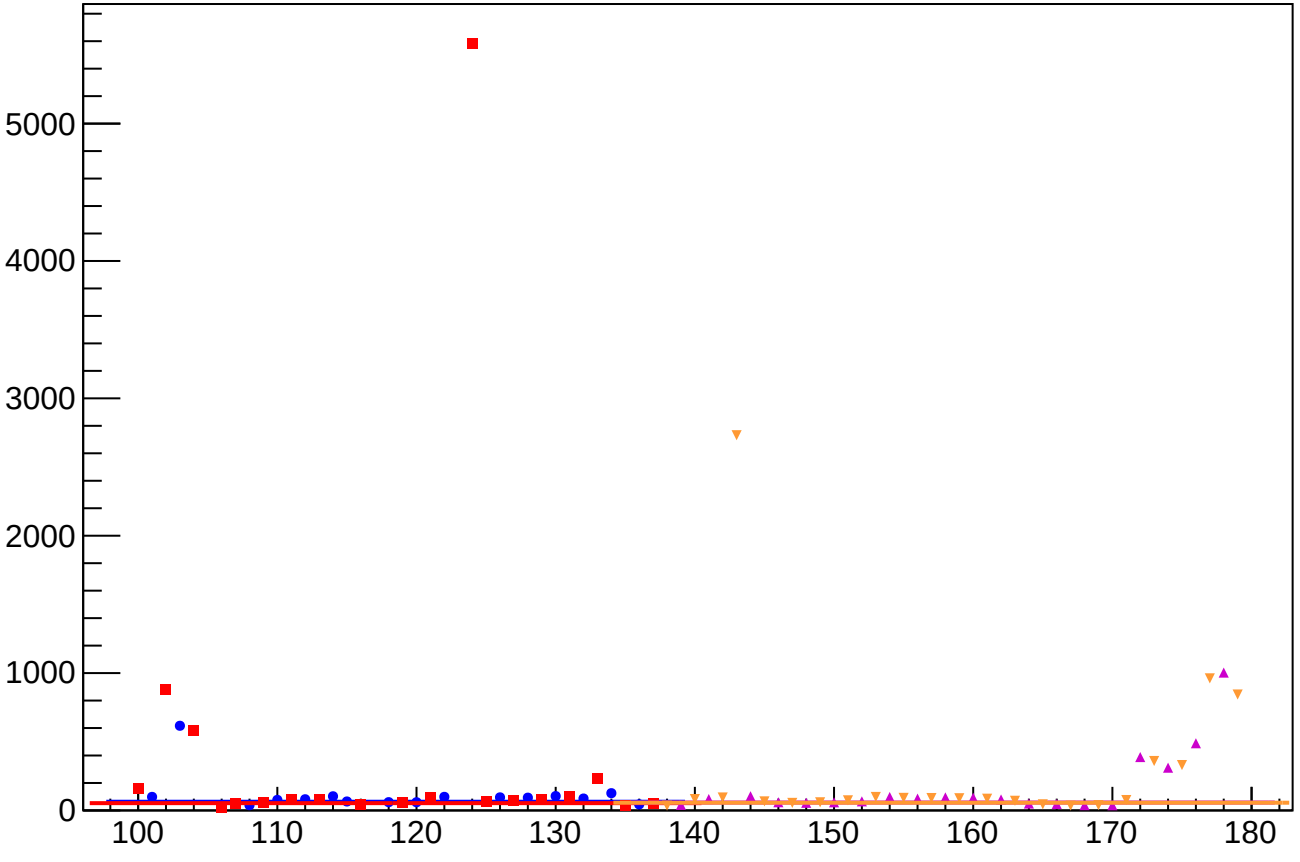
Left In: 0.020+/-0.017 χ^2/NDF:13.1/19

+ sign 0.036+/-0.014 χ^2/NDF: 36.7/37

All: 0.017+/-0.010 χ^2/NDF: 70.2/76

- sign -0.000+/-0.014 χ^2/NDF: 30.3/38

asym_at2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 63.463+/-0.019 χ^2/NDF: 2444357.3/15

Left Out: 56.343+/-0.012 χ^2/NDF:9349318.1/21

Right Out: 53.201+/-0.018 χ^2/NDF: 3946328.9/18

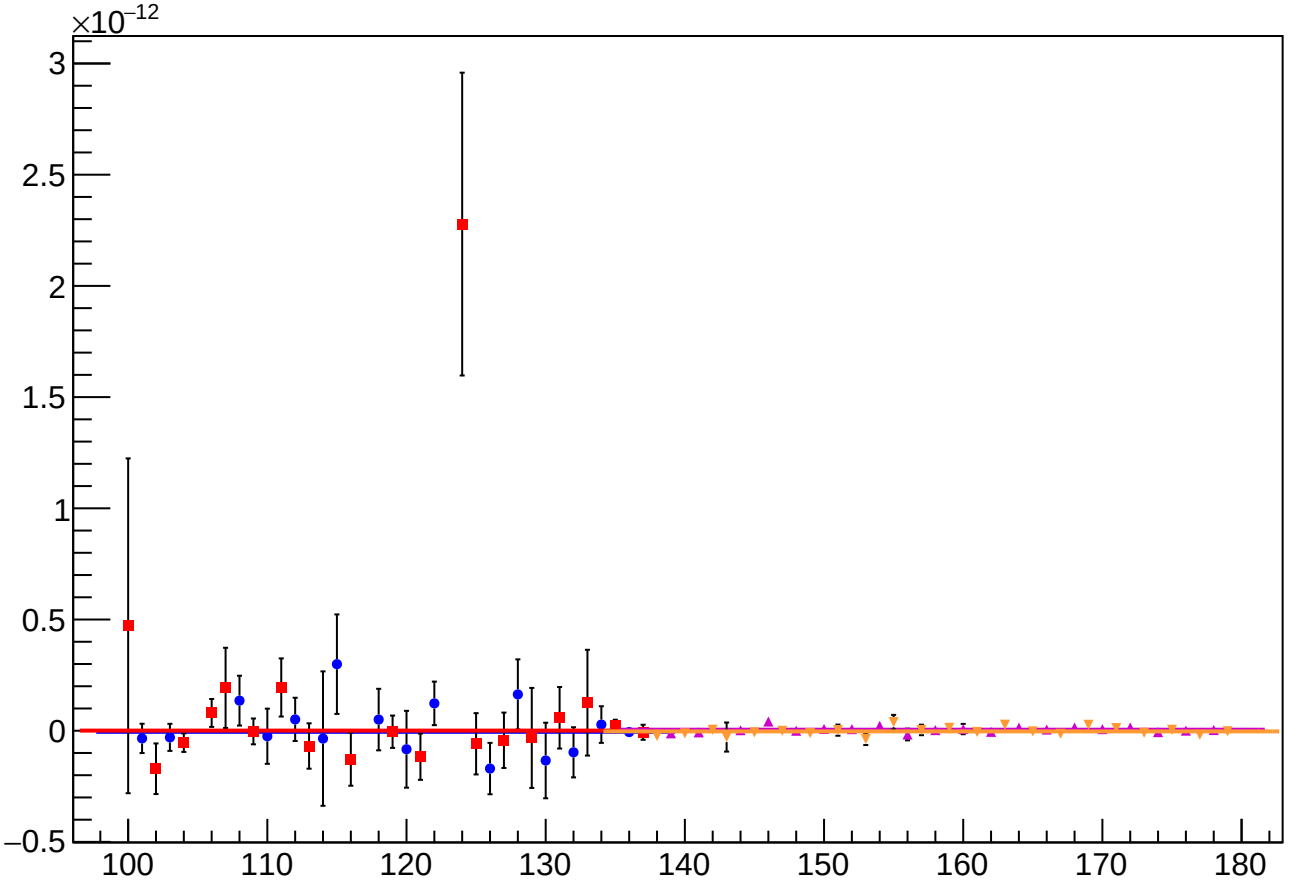
Left In: 57.623+/-0.012 χ^2/NDF:7146562.3/19

+ sign 58.349+/-0.010 χ^2/NDF: 11891990.7/37

All: 57.247+/-0.007 χ^2/NDF: 23050555.0/76

- sign 56.195+/-0.010 χ^2/NDF: 11135820.1/38

asym_at2_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 10.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.3/21

Right Out: 0.000+/-0.000 χ^2/NDF: 25.1/18

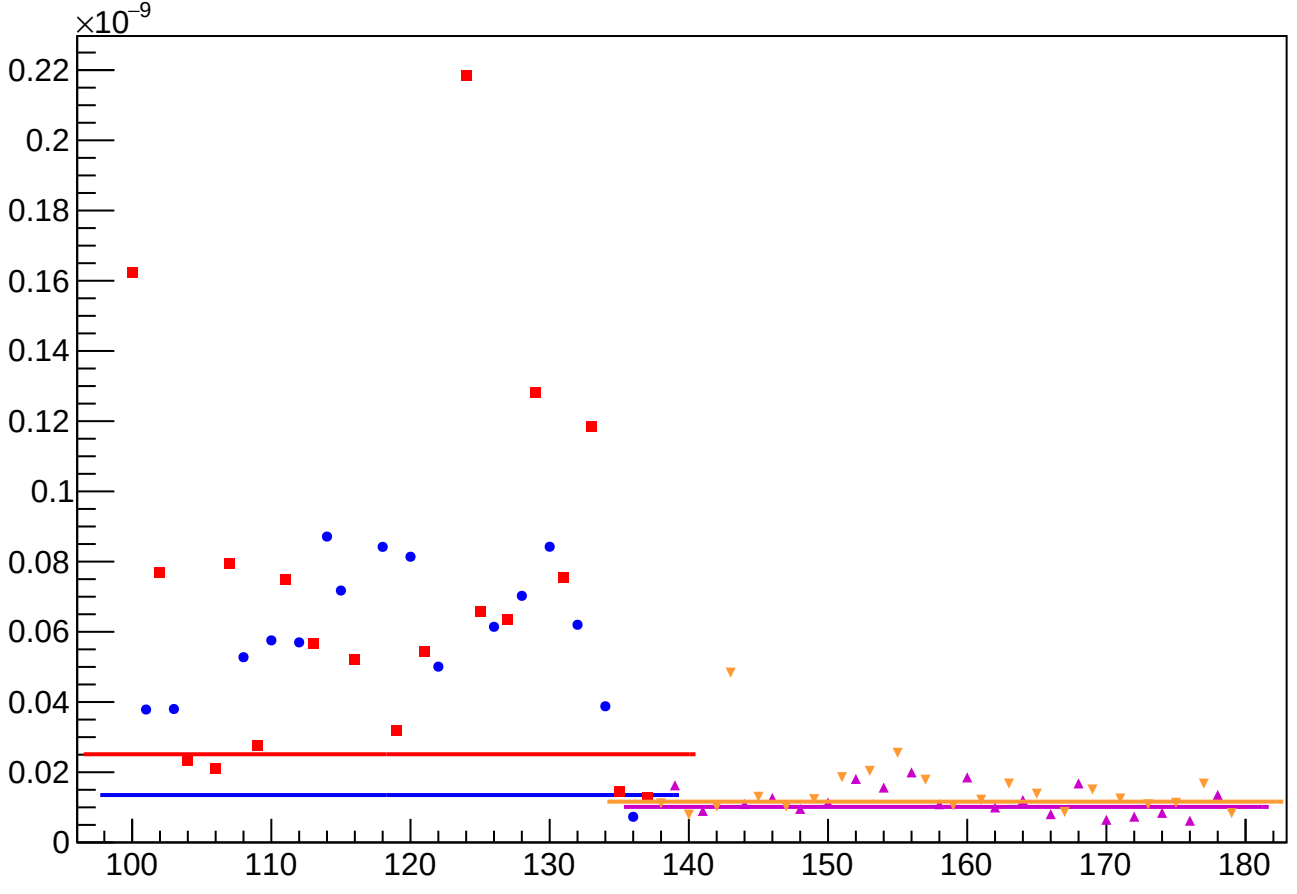
Left In: 0.000+/-0.000 χ^2/NDF:11.1/19

+ sign -0.000+/-0.000 χ^2/NDF: 25.2/37

All: 0.000+/-0.000 χ^2/NDF: 64.1/76

- sign 0.000+/-0.000 χ^2/NDF: 36.2/38

asym_at2_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 4993378.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:2430048.1/21

Right Out: 0.000+/-0.000 χ^2/NDF: 3578472.9/18

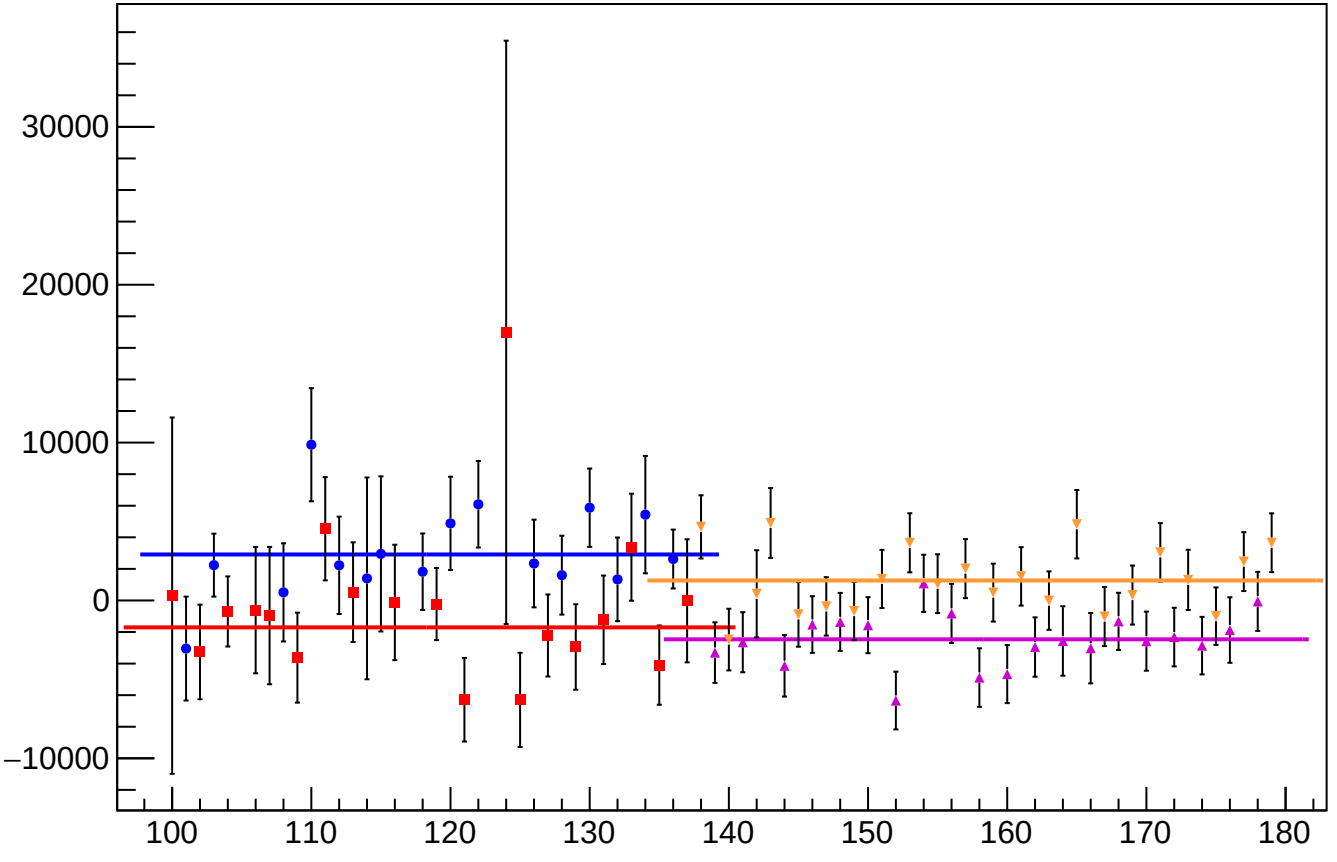
Left In: 0.000+/-0.000 χ^2/NDF:2211703.3/19

+ sign 0.000+/-0.000 χ^2/NDF: 7483477.3/37

All: 0.000+/-0.000 χ^2/NDF: 15266183.4/76

- sign 0.000+/-0.000 χ^2/NDF: 7686968.2/38

reg_asym_atl1r2_avg_mean vs Slug



Right In: 2912.991+/-695.062 χ^2/NDF: 12.4/15

Left Out: 1265.250+/-410.492 χ^2/NDF:23.8/21

Right Out: -1704.904+/-706.846 χ^2/NDF: 15.8/18

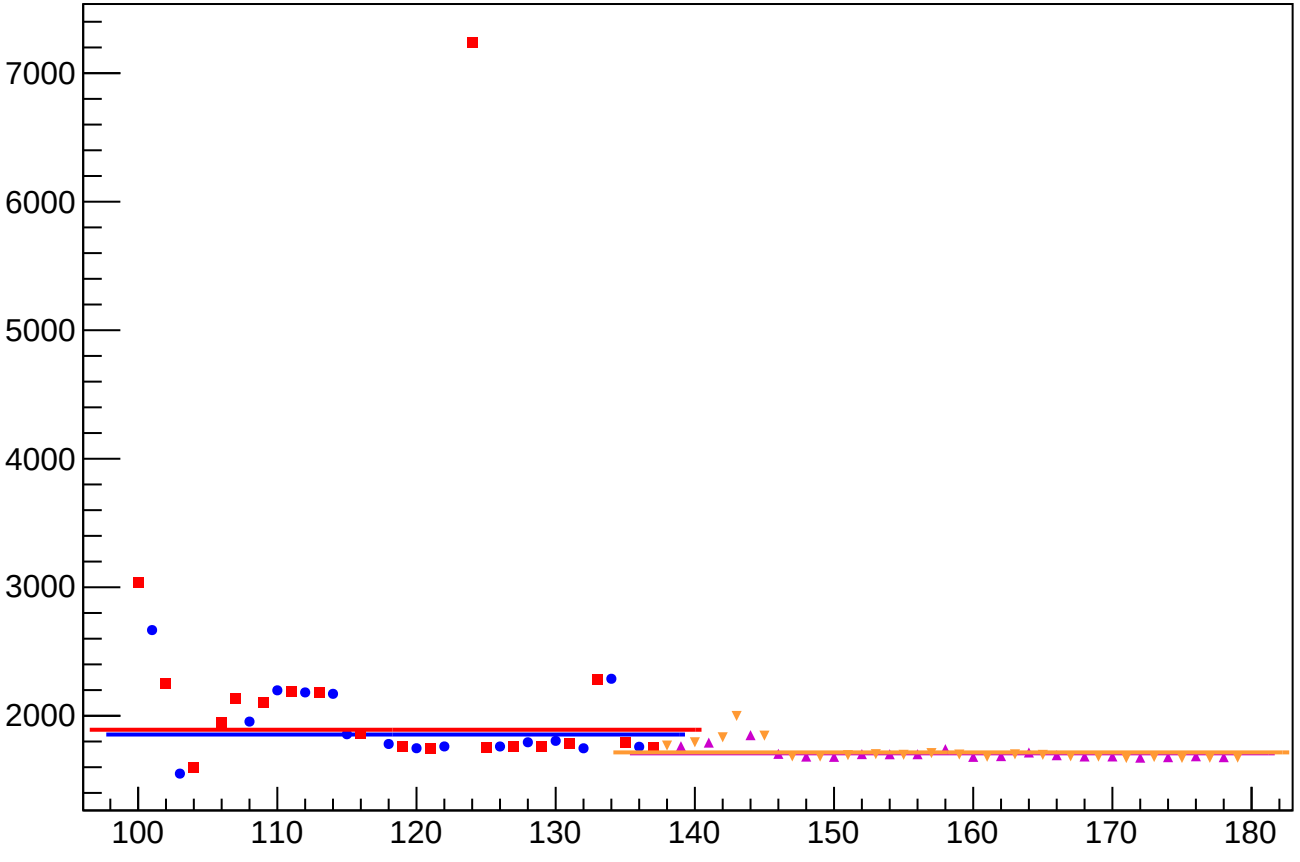
Left In: -2462.724+/-422.563 χ^2/NDF:16.4/19

+ sign 1691.345+/-353.454 χ^2/NDF: 40.4/37

All: -234.912+/-253.133 χ^2/NDF: 134.4/76

- sign -2263.200+/-362.694 χ^2/NDF: 33.1/38

reg_asym_atl1r2_avg_rms vs Slug



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.7/15

Left Out: 1715.275+/-0.290 χ^2/NDF:58267.9/21

Right Out: 1891.469+/-0.499 χ^2/NDF: 364050.6/18

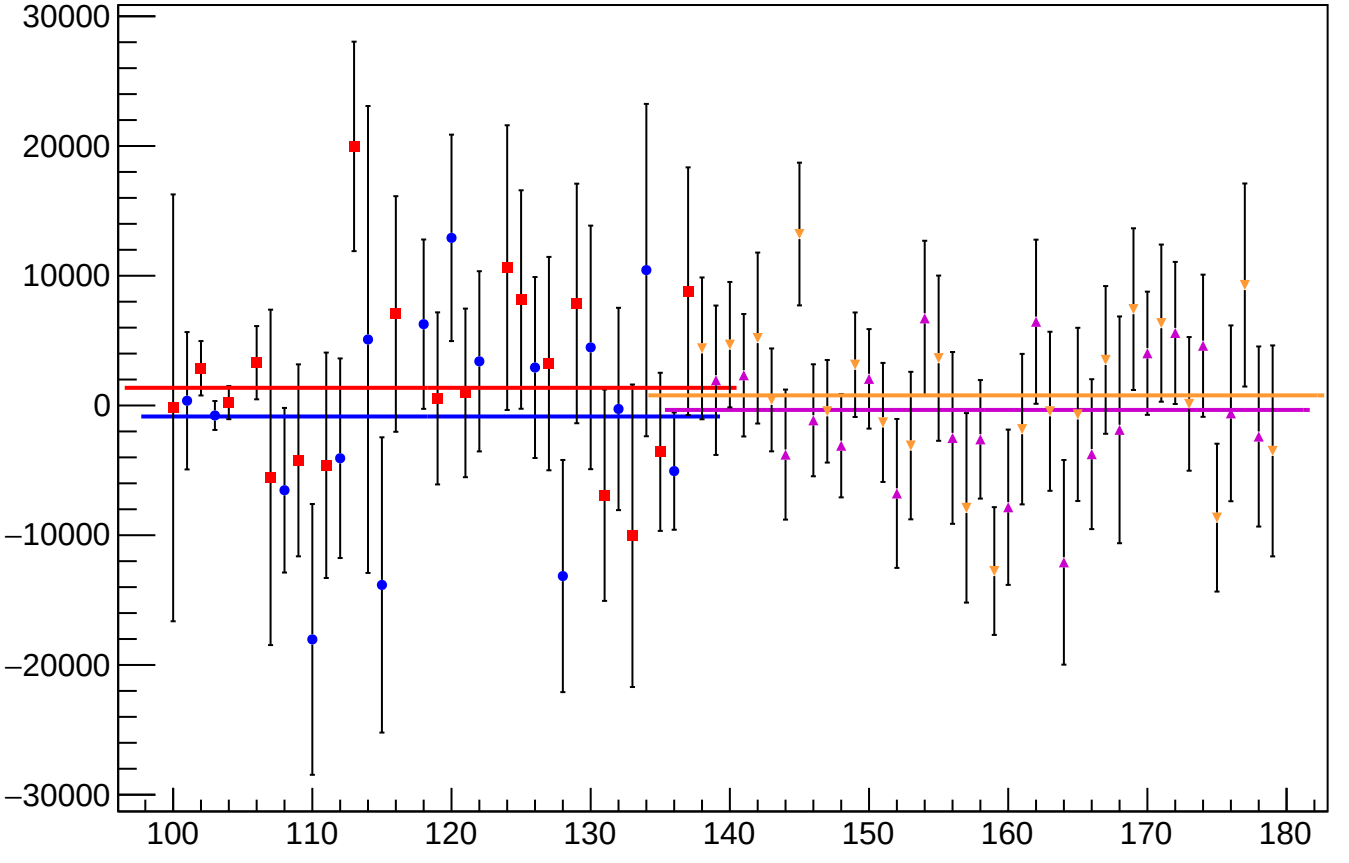
Left In: 1707.866+/-0.299 χ^2/NDF:21041.3/19

+ sign 1751.229+/-0.250 χ^2/NDF: 380925.5/37

All: 1753.736+/-0.179 χ^2/NDF: 865975.6/76

- sign 1756.372+/-0.256 χ^2/NDF: 484843.8/38

asym_atl1r2_avg_reg_correction_mean vs Slug



Right In: -847.977+/-962.920 χ^2/NDF: 13.9/15

Left Out: 780.212+/-1156.823 χ^2/NDF:23.7/21

Right Out: 1361.523+/-915.925 χ^2/NDF: 14.0/18

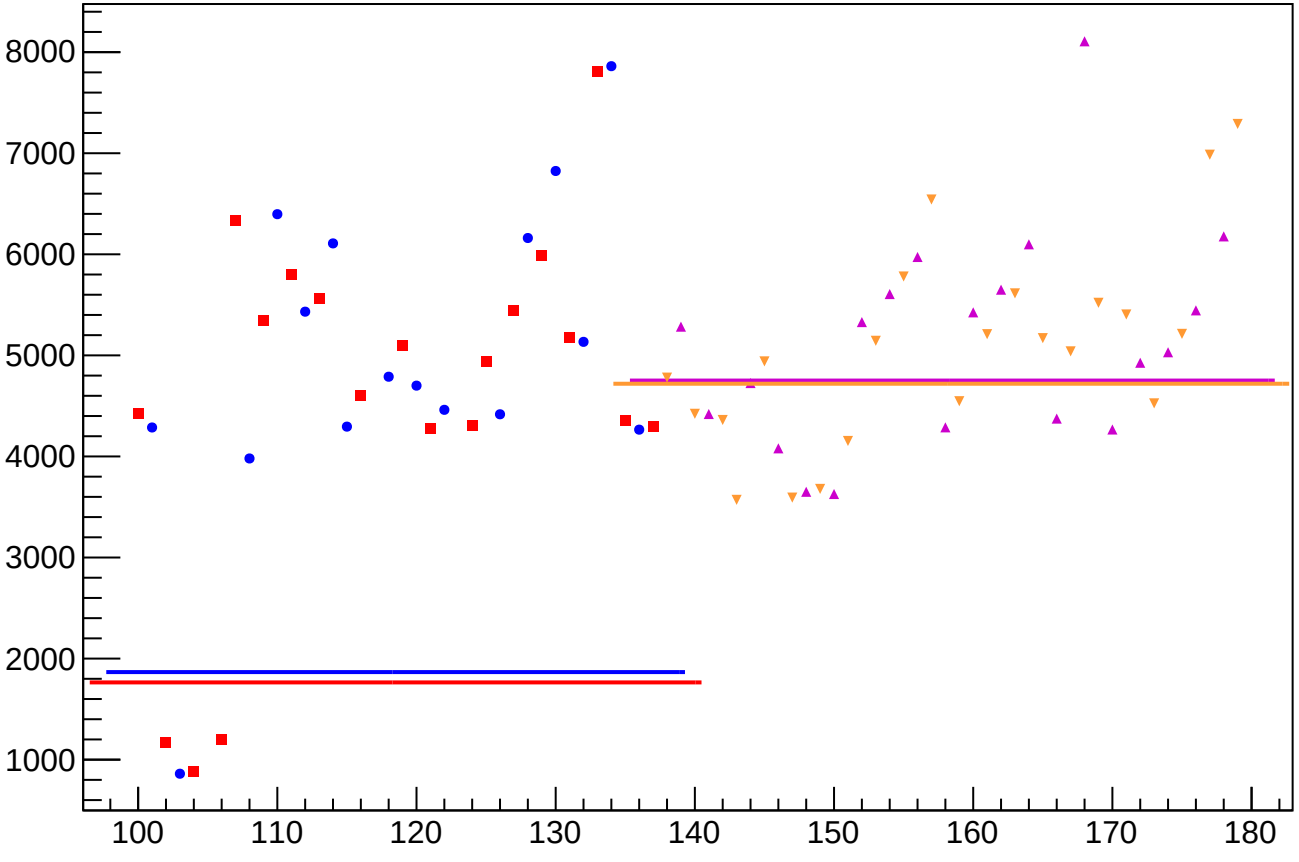
Left In: -342.151+/-1200.221 χ^2/NDF:13.1/19

+ sign -181.585+/-740.081 χ^2/NDF: 38.7/37

All: 283.922+/-519.038 χ^2/NDF: 67.9/76

- sign 734.510+/-728.125 χ^2/NDF: 28.4/38

asym_atl1r2_avg_reg_correction_rms vs Slug



Right In: 1866.405+/-0.681 χ^2/NDF: 6849638.3/15

Left Out: 4719.335+/-0.818 χ^2/NDF:1221391.6/21

Right Out: 1764.281+/-0.648 χ^2/NDF: 6434807.7/18

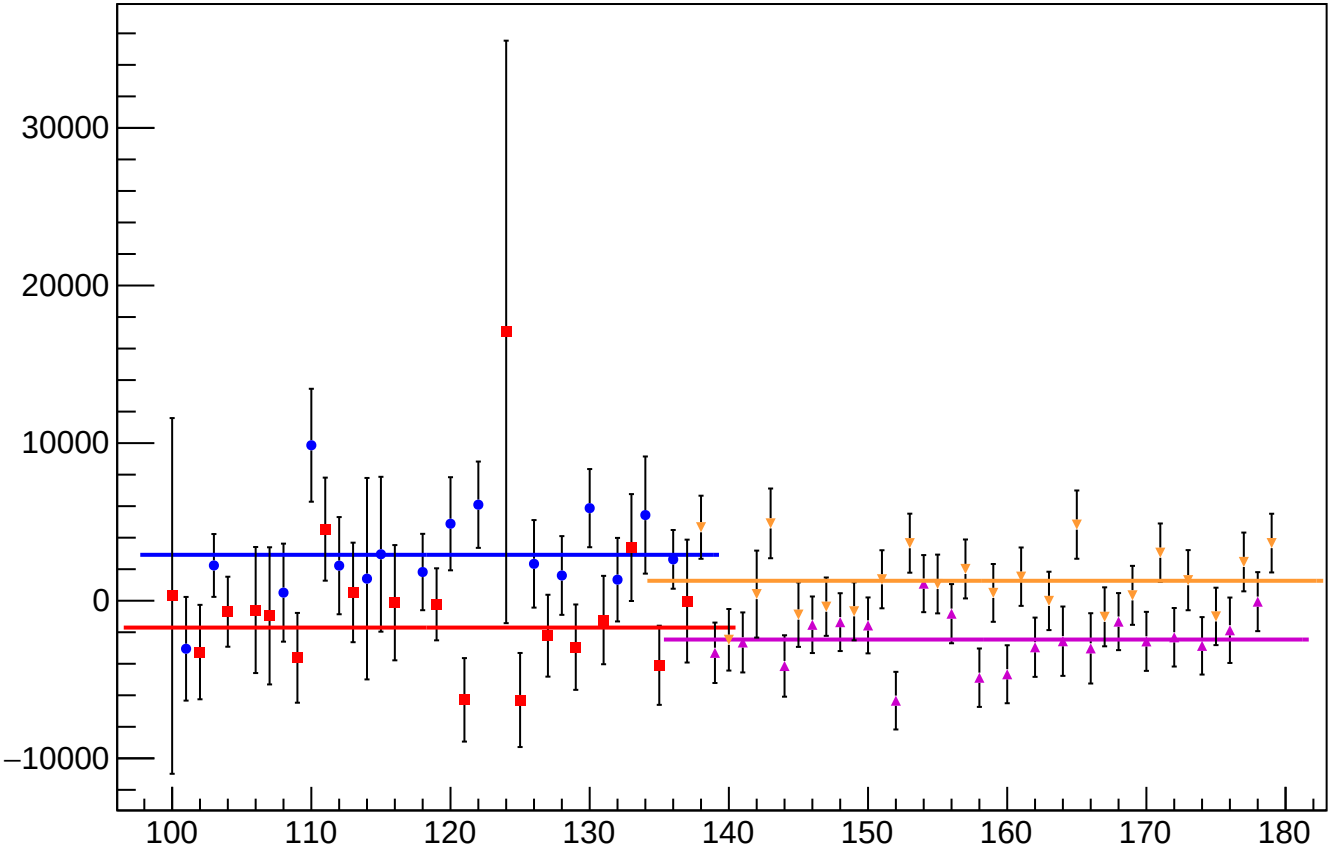
Left In: 4750.807+/-0.849 χ^2/NDF:1110491.3/19

+ sign 3034.064+/-0.523 χ^2/NDF: 15256531.4/37

All: 2947.357+/-0.367 χ^2/NDF: 30681730.0/7

- sign 2863.429+/-0.515 χ^2/NDF: 15371173.9/38

cor_asym_atl1r2_avg_mean vs Slug



Right In: 2913.091+/-695.062 χ^2/NDF: 12.4/15

Left Out: 1265.156+/-410.492 χ^2/NDF:23.8/21

Right Out: -1703.523+/-706.847 χ^2/NDF: 15.8/18

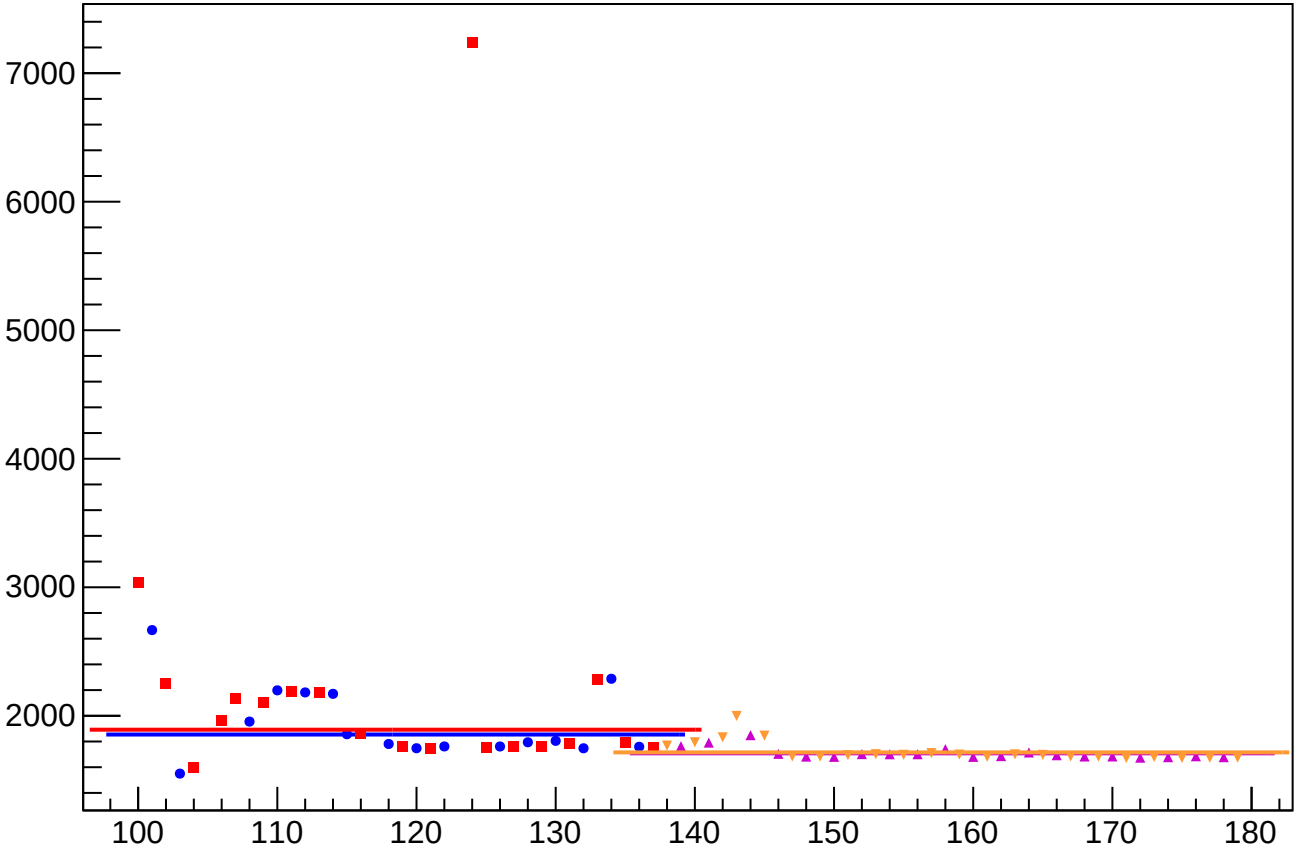
Left In: -2462.678+/-422.563 χ^2/NDF:16.4/19

+ sign 1691.302+/-353.454 χ^2/NDF: 40.4/37

All: -234.740+/-253.133 χ^2/NDF: 134.4/76

- sign -2262.802+/-362.694 χ^2/NDF: 33.1/38

cor_asym_atl1r2_avg_rms vs Slug



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.5/15

Left Out: 1715.275+/-0.290 χ^2/NDF:58267.9/21

Right Out: 1891.927+/-0.499 χ^2/NDF: 364292.2/18

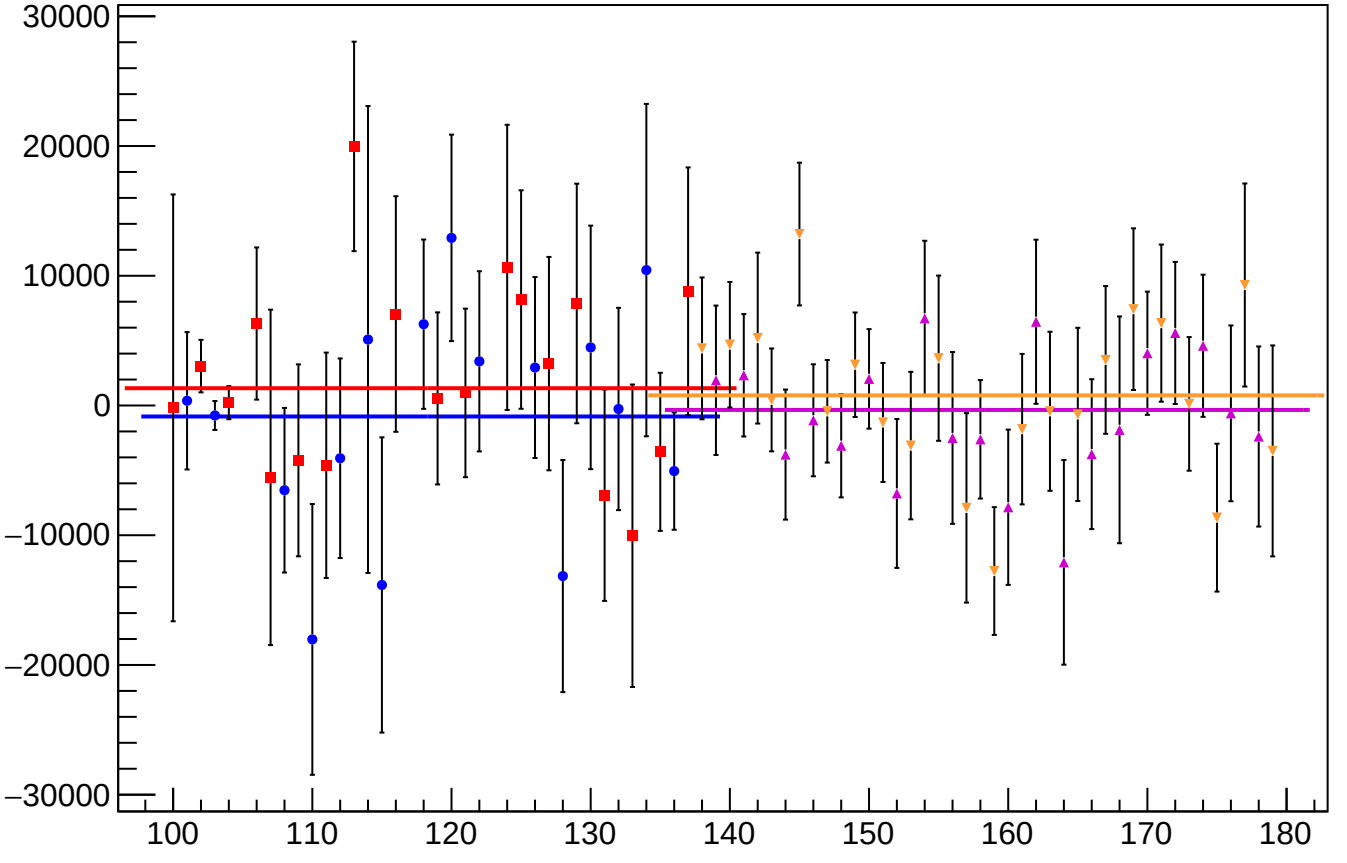
Left In: 1707.866+/-0.299 χ^2/NDF:21041.3/19

\+ sign 1751.229+/-0.250 χ^2/NDF: 380925.4/37

All: 1753.787+/-0.179 χ^2/NDF: 866690.8/76

\- sign 1756.477+/-0.256 χ^2/NDF: 485550.6/38

asym_atl1r2_avg_cor_correction_mean vs Slug



Right In: -847.504+/-962.866 χ^2/NDF: 13.9/15

Left Out: 780.202+/-1156.821 χ^2/NDF:23.7/21

Right Out: 1331.371+/-948.163 χ^2/NDF: 14.4/18

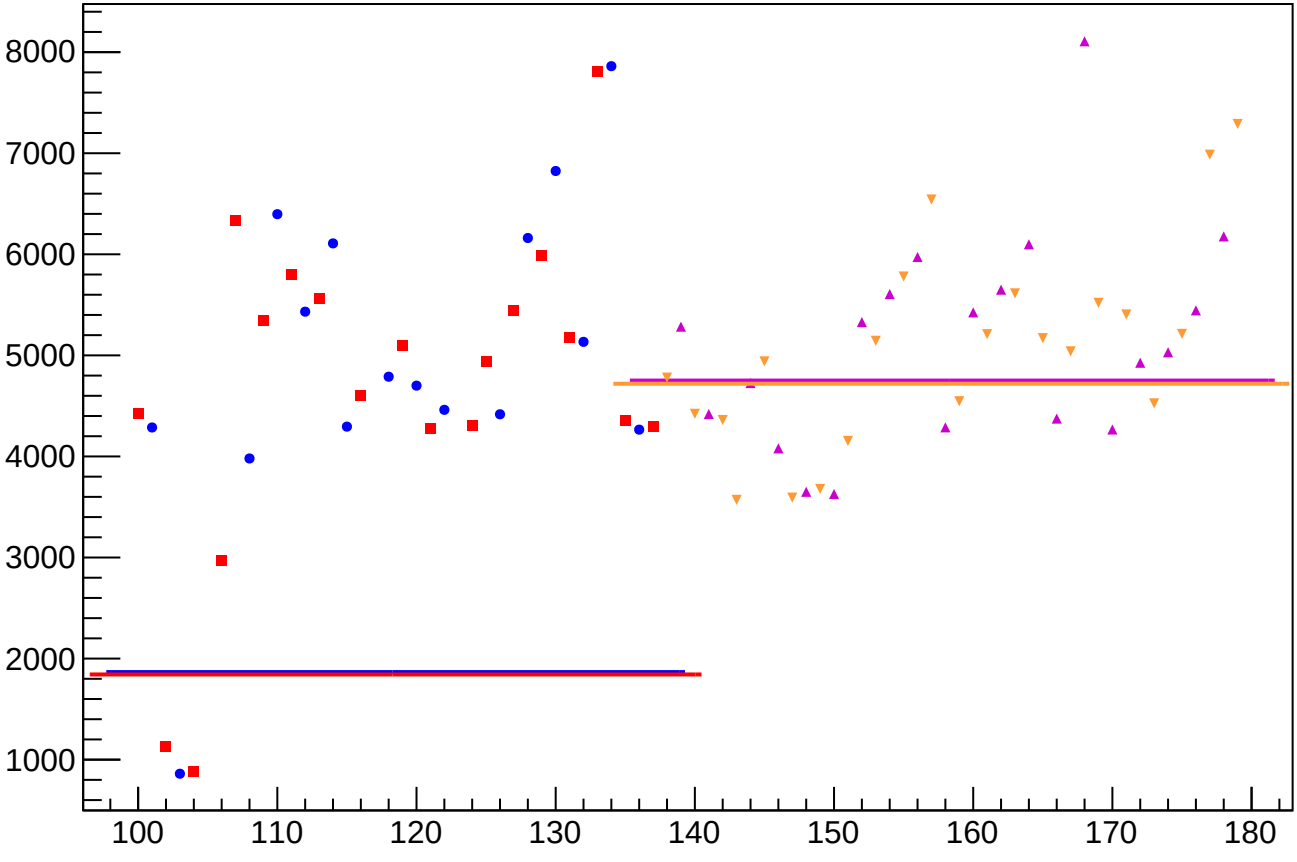
Left In: -342.197+/-1200.221 χ^2/NDF:13.1/19

+ sign -181.352+/-740.057 χ^2/NDF: 38.7/37

All: 251.143+/-524.691 χ^2/NDF: 68.1/76

- sign 688.271+/-744.010 χ^2/NDF: 28.7/38

asym_atl1r2_avg_cor_correction_rms vs Slug



Right In: 1866.251+/-0.681 χ^2/NDF: 6850061.4/15

Left Out: 4719.329+/-0.818 χ^2/NDF:1221407.7/21

Right Out: 1842.882+/-0.670 χ^2/NDF: 6458456.4/18

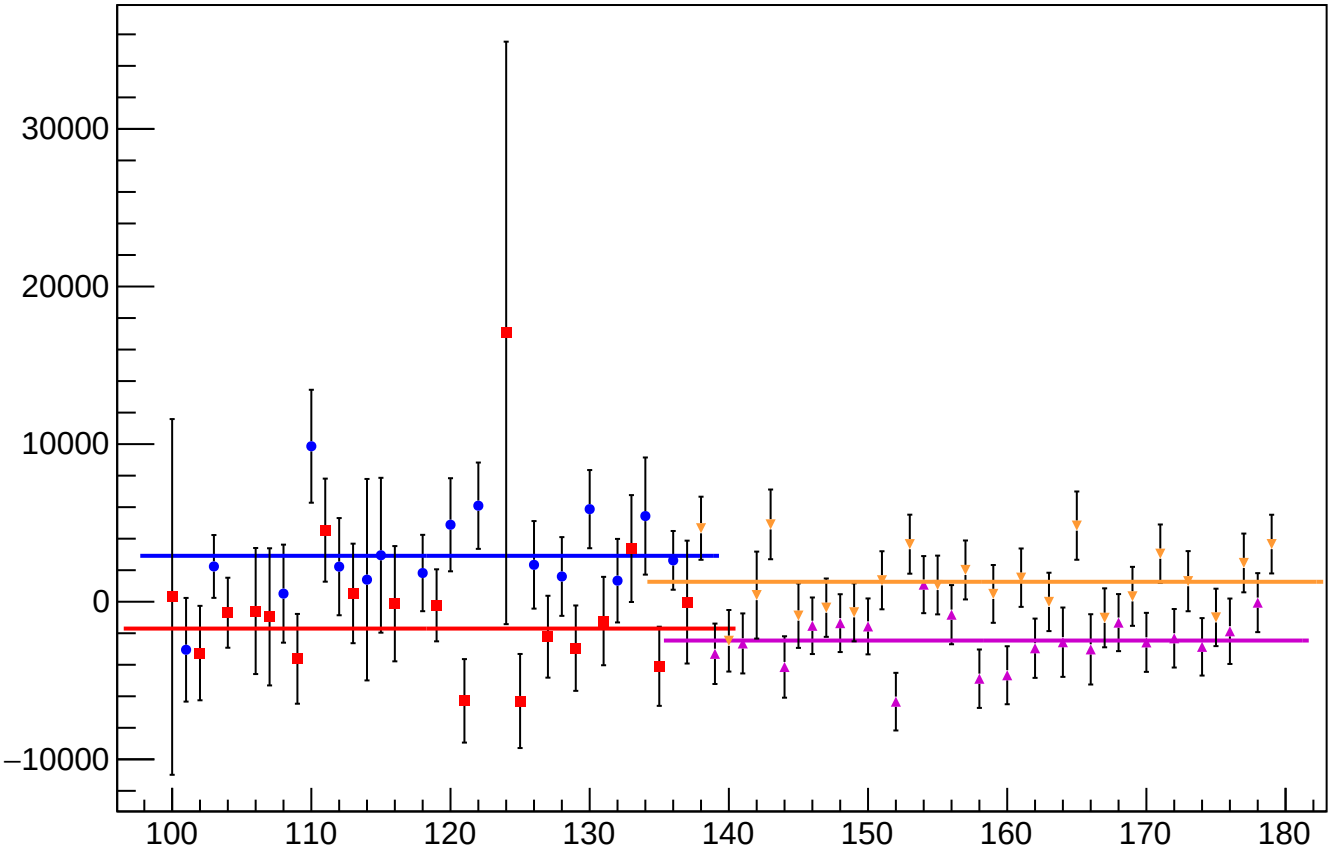
Left In: 4750.806+/-0.849 χ^2/NDF:1110509.0/19

+ sign 3033.896+/-0.523 χ^2/NDF: 15258048.6/37

All: 2997.297+/-0.371 χ^2/NDF: 30065630.5/7

- sign 2960.306+/-0.526 χ^2/NDF: 14797746.5/38

eigen_cor_asym_atl1r2_avg_mean vs Slug



Right In: 2913.091+/-695.062 χ^2/NDF: 12.4/15

Left Out: 1265.156+/-410.492 χ^2/NDF:23.8/21

Right Out: -1703.523+/-706.847 χ^2/NDF: 15.8/18

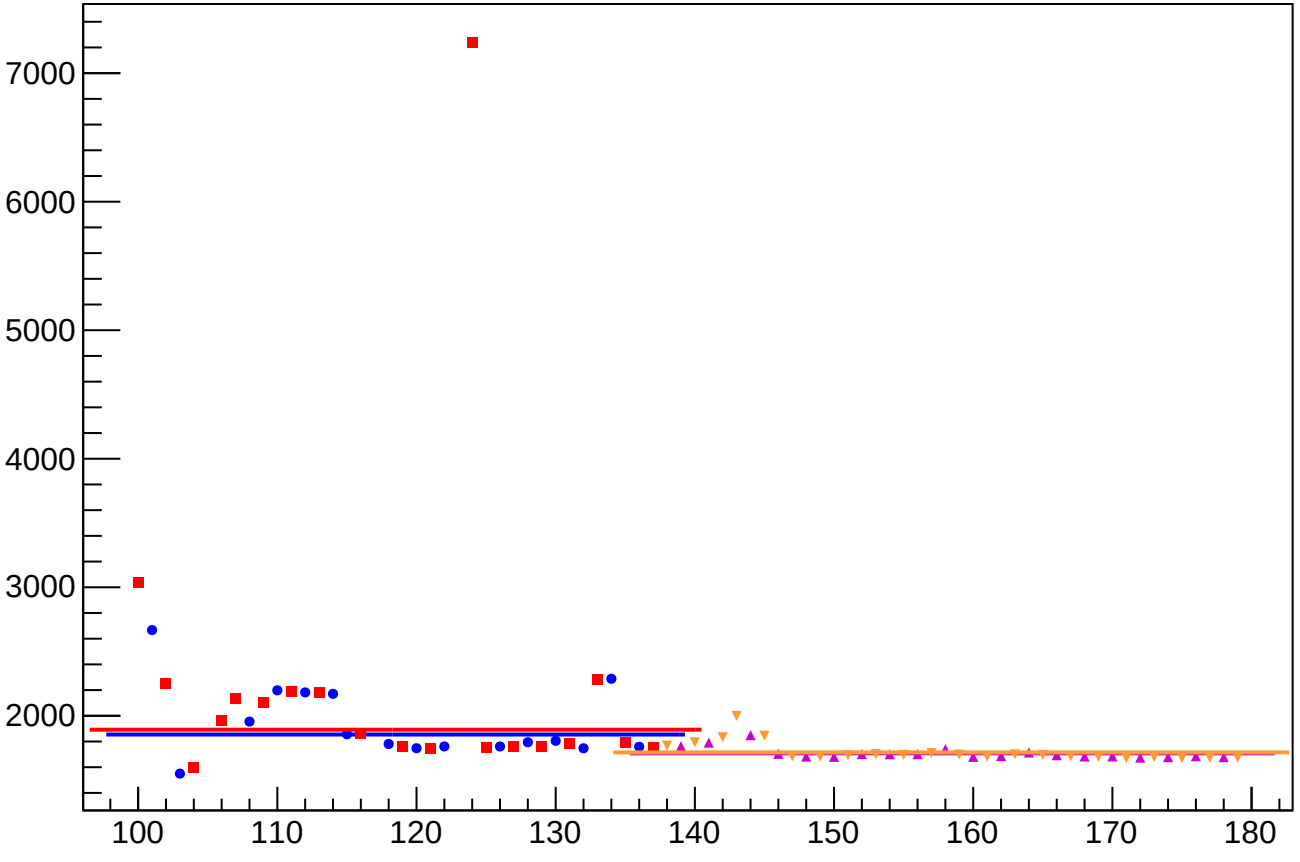
Left In: -2462.678+/-422.563 χ^2/NDF:16.4/19

+ sign 1691.302+/-353.454 χ^2/NDF: 40.4/37

All: -234.740+/-253.133 χ^2/NDF: 134.4/76

- sign -2262.802+/-362.694 χ^2/NDF: 33.1/38

eigen_cor_asym_atl1r2_avg_rms vs Slug



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.5/15

Left Out: 1715.275+/-0.290 χ^2/NDF:58267.9/21

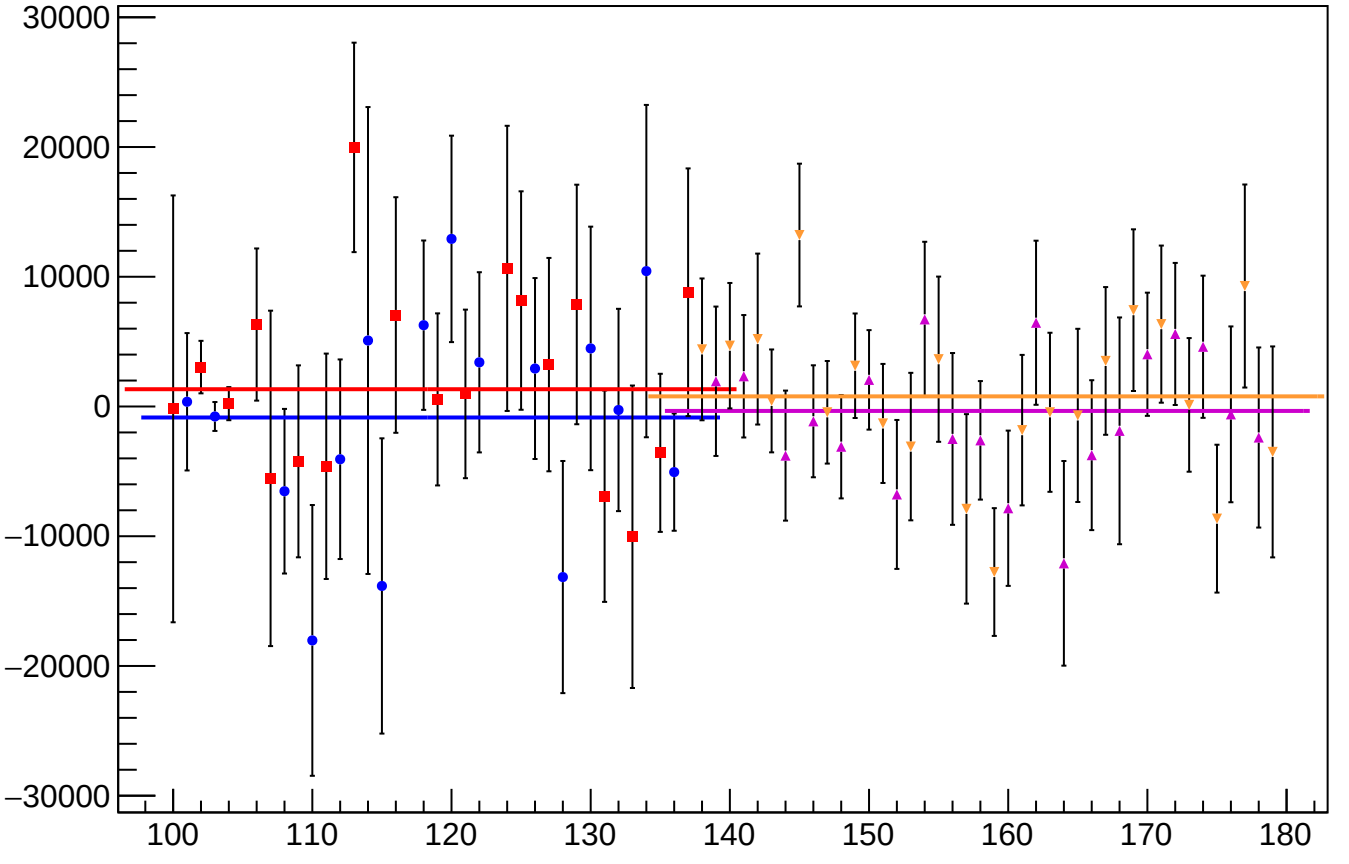
Right Out: 1891.927+/-0.499 χ^2/NDF: 364292.2/18

Left In: 1707.866+/-0.299 χ^2/NDF:21041.3/19

+ sign 1751.229+/-0.250 χ^2/NDF: 380925.4/37

All: 1753.787+/-0.179 χ^2/NDF: 866690.8/76

- sign 1756.477+/-0.256 χ^2/NDF: 485550.6/38



Right In: -847.504+/-962.866 χ^2/NDF: 13.9/15

Left Out: 780.202+/-1156.821 χ^2/NDF:23.7/21

Right Out: 1331.371+/-948.163 χ^2/NDF: 14.4/18

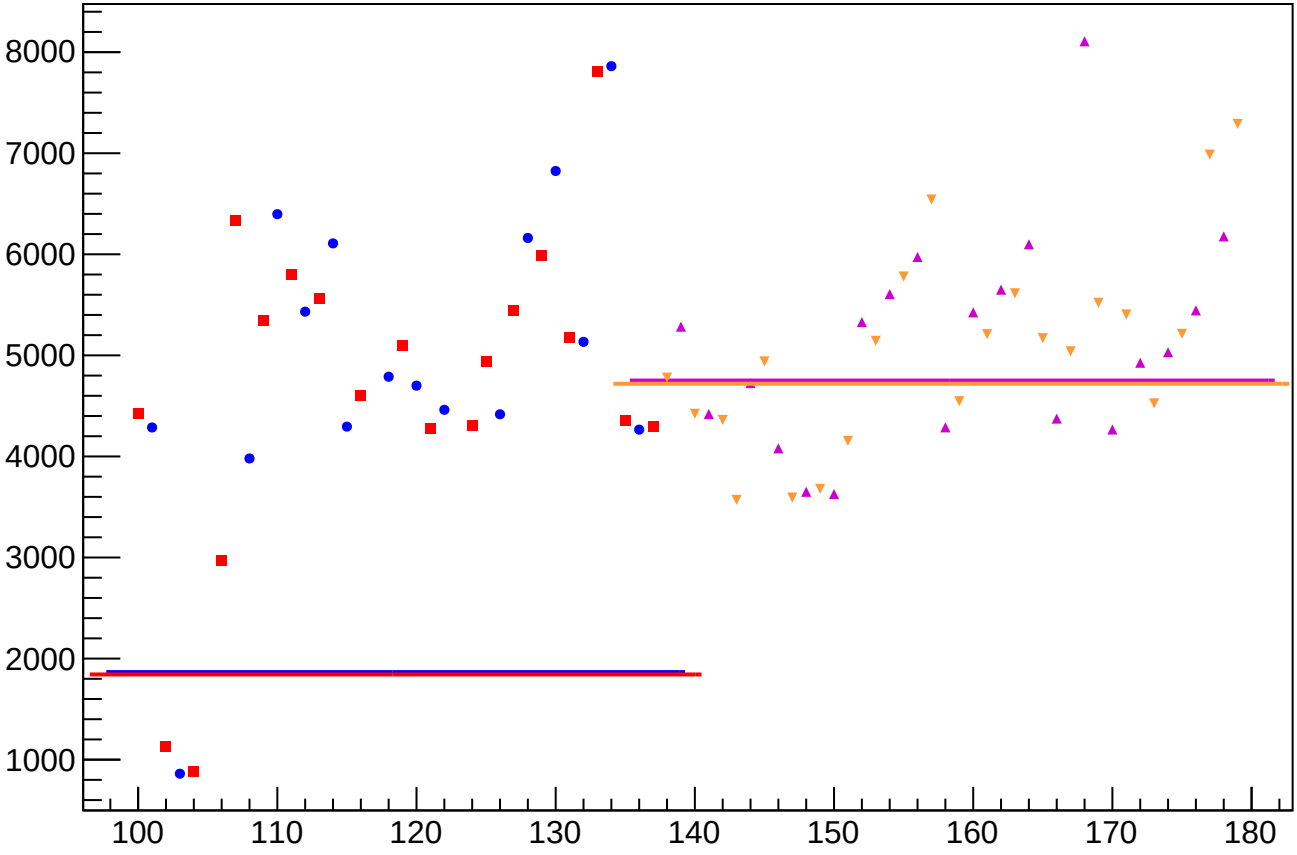
Left In: -342.197+/-1200.221 χ^2/NDF:13.1/19

+ sign -181.352+/-740.057 χ^2/NDF: 38.7/37

All: 251.143+/-524.691 χ^2/NDF: 68.1/76

- sign 688.271+/-744.010 χ^2/NDF: 28.7/38

asym_atl1r2_avg_eigen_cor_correction_rms vs Slug



Right In: 1866.251+/-0.681 χ^2/NDF: 6850061.4/15

Left Out: 4719.329+/-0.818 χ^2/NDF:1221407.7/21

Right Out: 1842.882+/-0.670 χ^2/NDF: 6458456.4/18

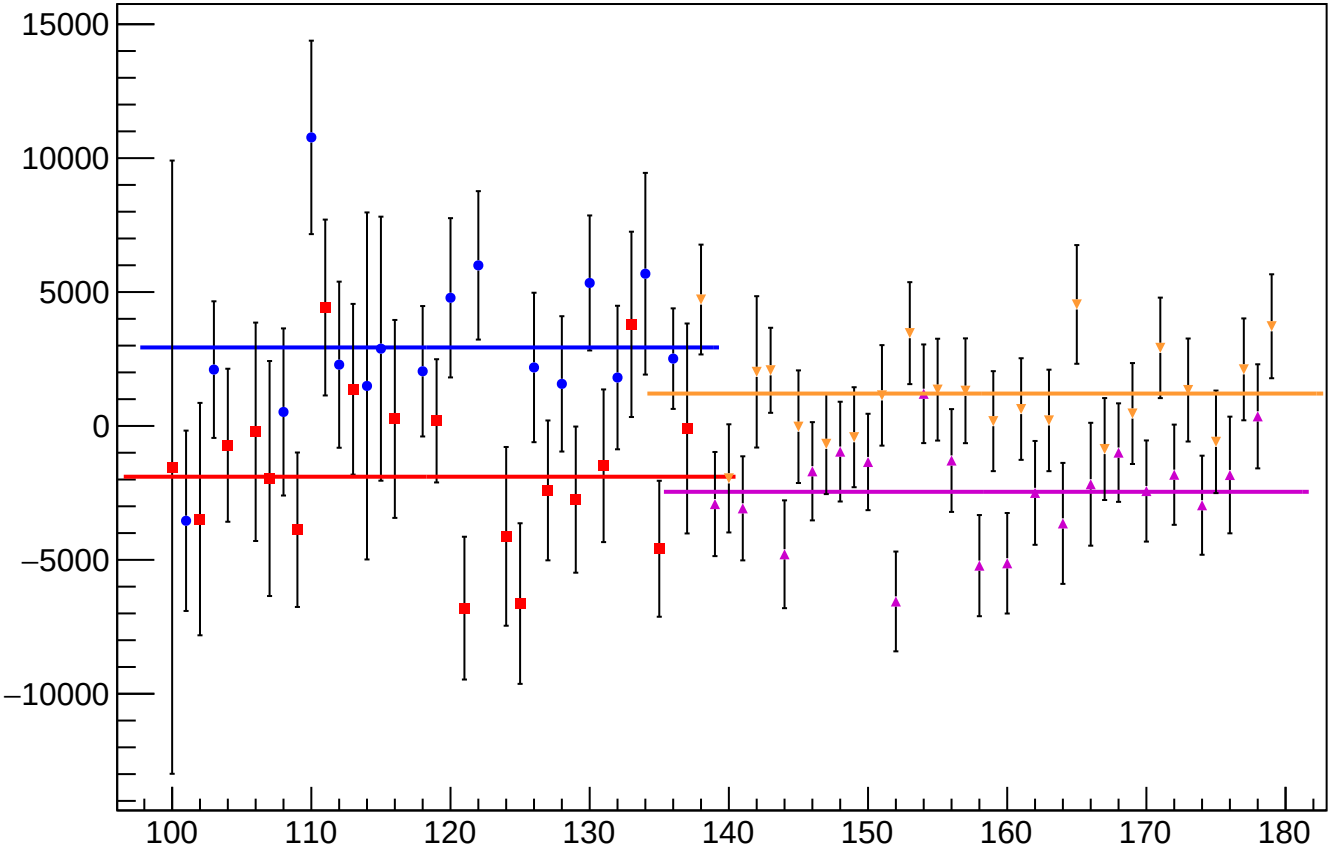
Left In: 4750.806+/-0.849 χ^2/NDF:1110509.0/19

+ sign 3033.896+/-0.523 χ^2/NDF: 15258048.6/37

All: 2997.297+/-0.371 χ^2/NDF: 30065630.5/7

- sign 2960.306+/-0.526 χ^2/NDF: 14797746.5/38

dit_asym_atl1r2_avg_mean vs Slug



Right In: 2931.691+/-718.305 χ^2/NDF: 13.0/15

Left Out: 1209.510+/-412.624 χ^2/NDF:17.2/21

Right Out: -1895.503+/-721.954 χ^2/NDF: 17.4/18

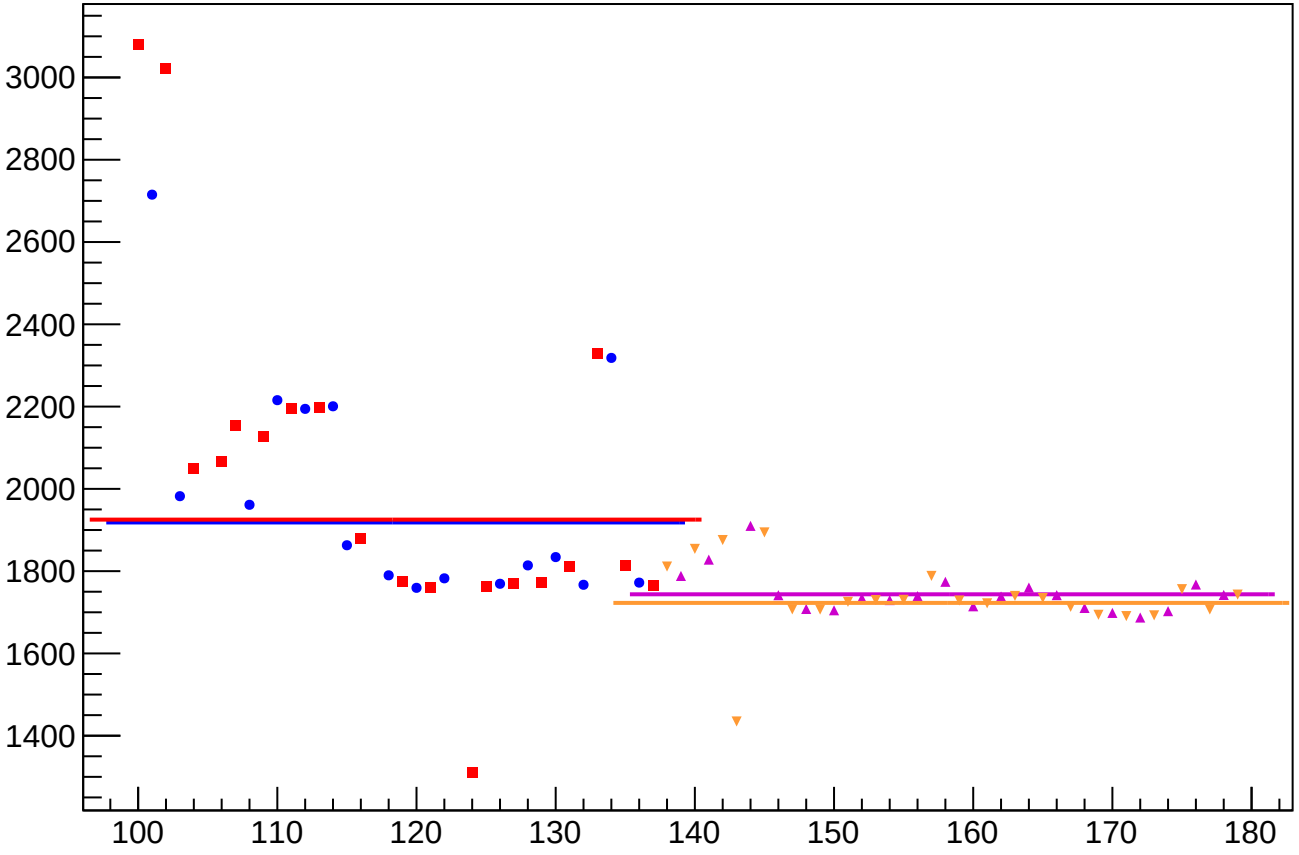
Left In: -2459.251+/-431.515 χ^2/NDF:19.3/19

+ sign 1636.801+/-357.793 χ^2/NDF: 34.5/37

All: -268.731+/-257.338 χ^2/NDF: 130.4/76

- sign -2310.863+/-370.396 χ^2/NDF: 37.1/38

dit_asym_atl1r2_avg_rms vs Slug



Right In: 1918.367+/-0.508 χ^2/NDF: 215592.7/15

Left Out: 1722.836+/-0.292 χ^2/NDF:102604.7/21

Right Out: 1925.260+/-0.510 χ^2/NDF: 339095.4/18

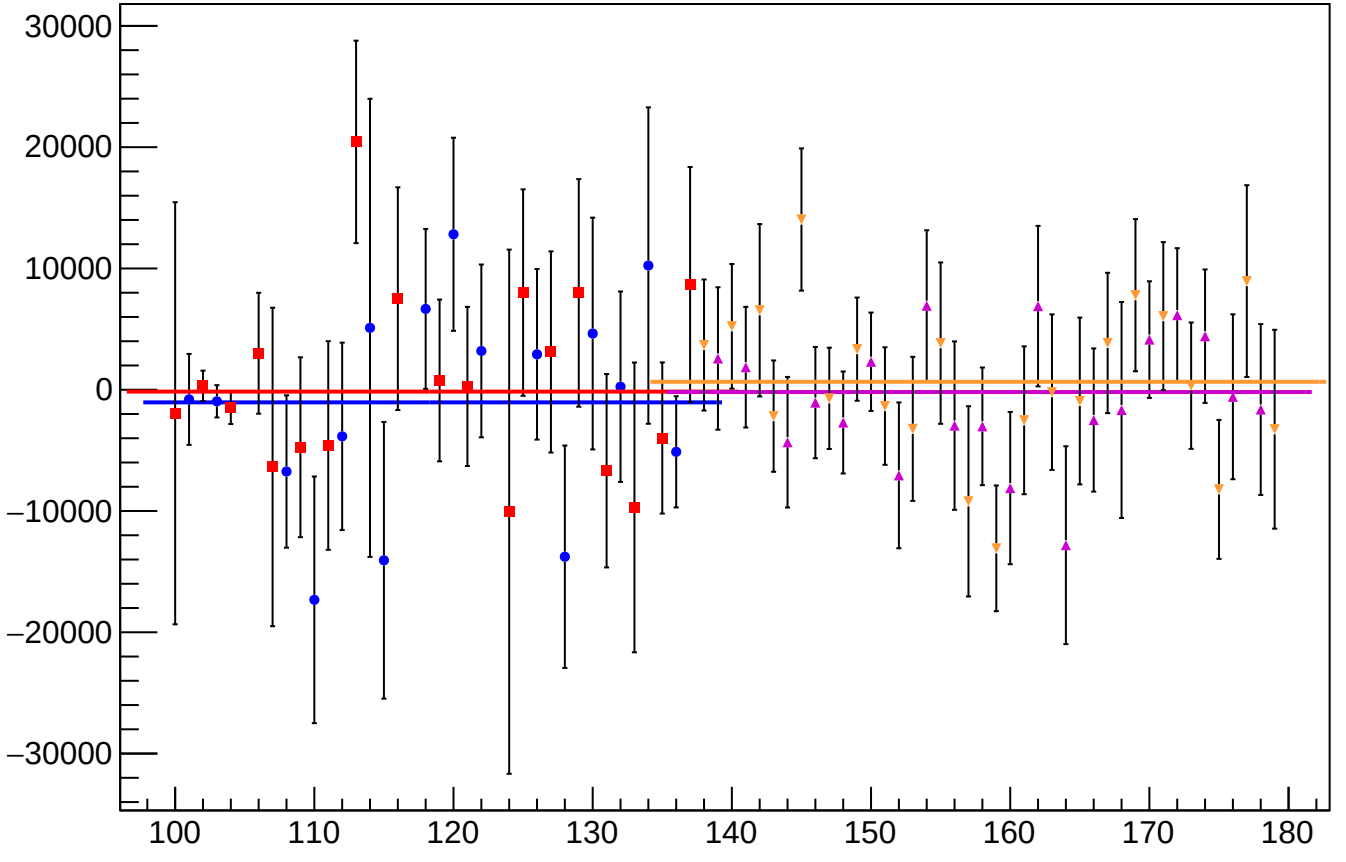
Left In: 1743.744+/-0.305 χ^2/NDF:26274.2/19

+ sign 1771.350+/-0.253 χ^2/NDF: 429626.1/37

All: 1781.117+/-0.182 χ^2/NDF: 891344.4/76

- sign 1791.580+/-0.262 χ^2/NDF: 458631.2/38

asym_atl1r2_avg_dit_correction_mean vs Slug



Right In: -1041.908+/-1072.406 χ^2/NDF: 13.8/15

Left Out: 655.320+/-1212.091 χ^2/NDF:23.8/21

Right Out: -153.619+/-835.656 χ^2/NDF: 13.7/18

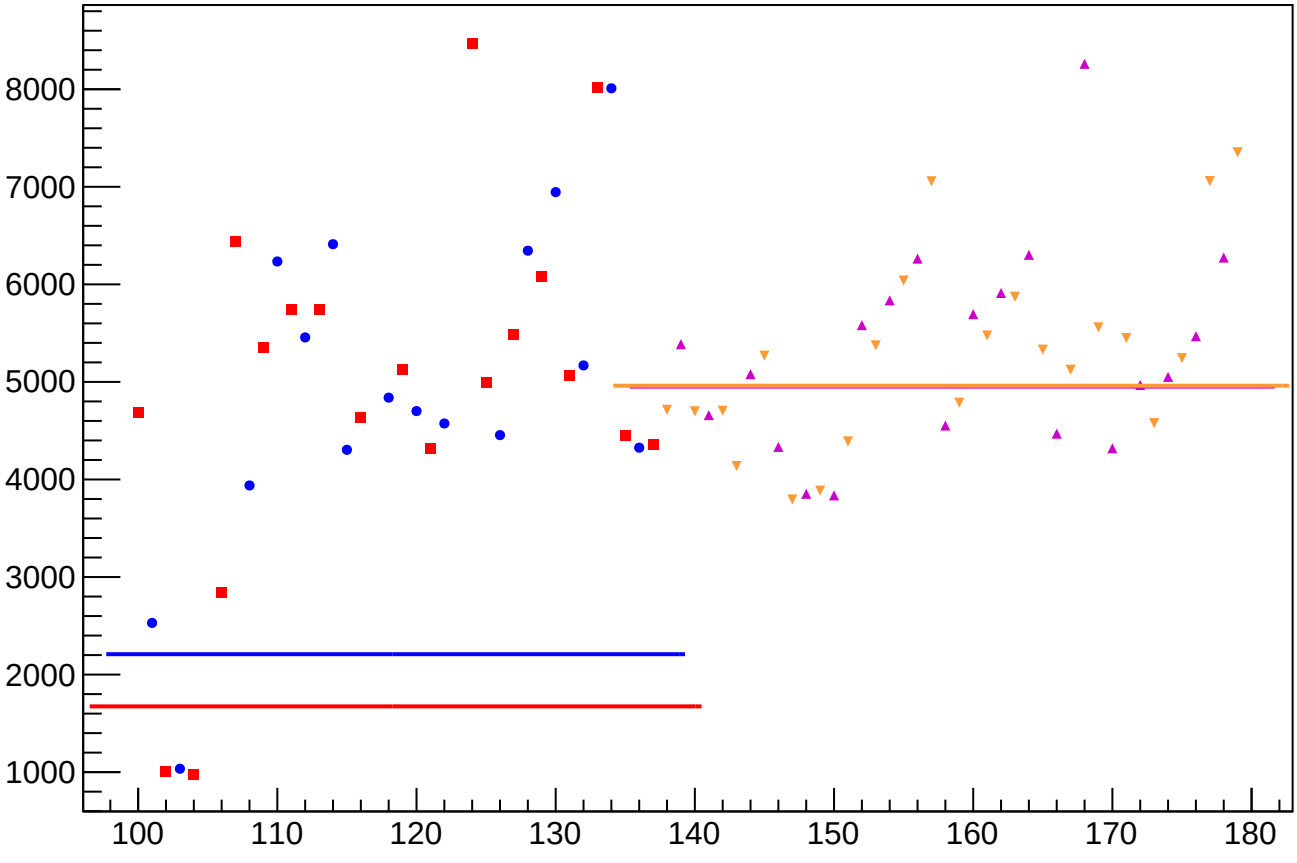
Left In: -188.638+/-1249.119 χ^2/NDF:13.1/19

+ sign -296.684+/-803.172 χ^2/NDF: 38.7/37

All: -221.026+/-525.364 χ^2/NDF: 65.5/76

- sign -164.446+/-694.560 χ^2/NDF: 26.8/38

asym_atl1r2_avg_dit_correction_rms vs Slug



Right In: 2208.912+/-0.758 χ^2/NDF: 5499011.4/15

Left Out: 4961.240+/-0.857 χ^2/NDF:1020208.8/21

Right Out: 1674.162+/-0.591 χ^2/NDF: 6853212.9/18

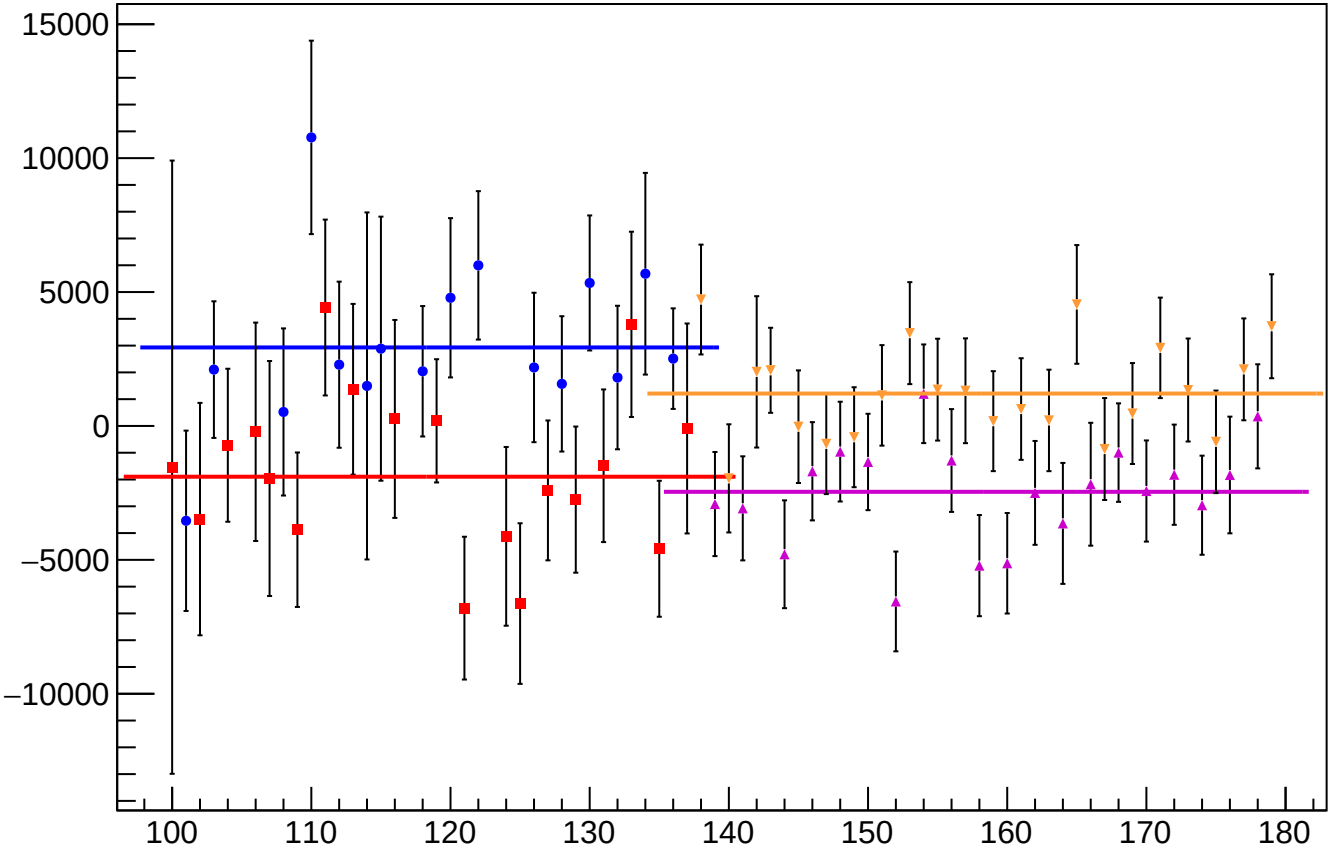
Left In: 4951.678+/-0.883 χ^2/NDF:1021849.8/19

+ sign 3417.413+/-0.568 χ^2/NDF: 12303622.6/37

All: 2999.804+/-0.371 χ^2/NDF: 30635830.2/7

- sign 2687.505+/-0.491 χ^2/NDF: 17387167.7/38

eigen_dit_asym_atl1r2_avg_mean vs Slug



Right In: 2931.693+/-718.305 χ^2/NDF: 13.0/15

Left Out: 1209.504+/-412.625 χ^2/NDF:17.2/21

Right Out: -1895.508+/-721.953 χ^2/NDF: 17.4/18

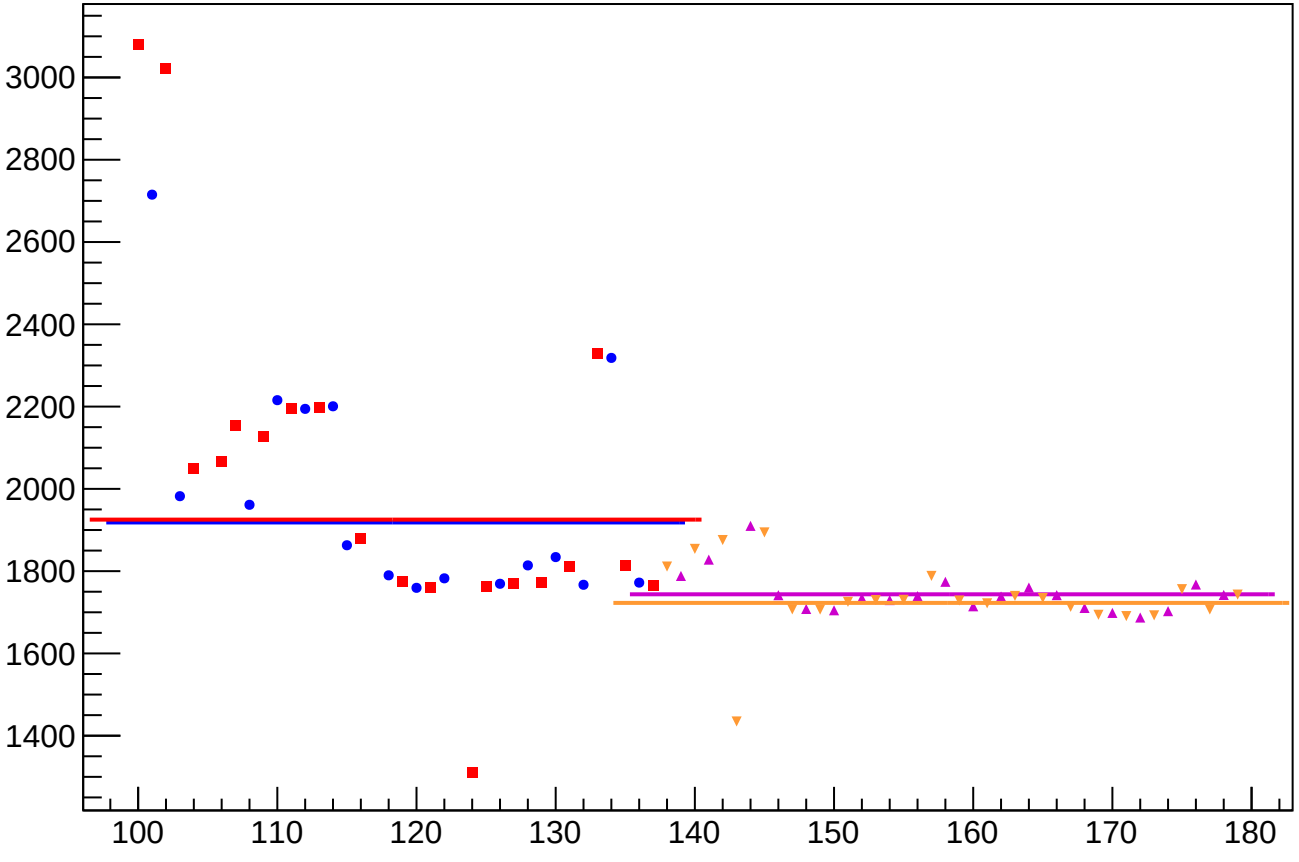
Left In: -2459.254+/-431.515 χ^2/NDF:19.3/19

+ sign 1636.798+/-357.793 χ^2/NDF: 34.5/37

All: -268.734+/-257.338 χ^2/NDF: 130.4/76

- sign -2310.866+/-370.396 χ^2/NDF: 37.1/38

eigen_dit_asym_atl1r2_avg_rms vs Slug



Right In: 1918.367+/-0.508 χ^2/NDF: 215592.7/15

Left Out: 1722.837+/-0.292 χ^2/NDF:102603.9/21

Right Out: 1925.259+/-0.510 χ^2/NDF: 339094.4/18

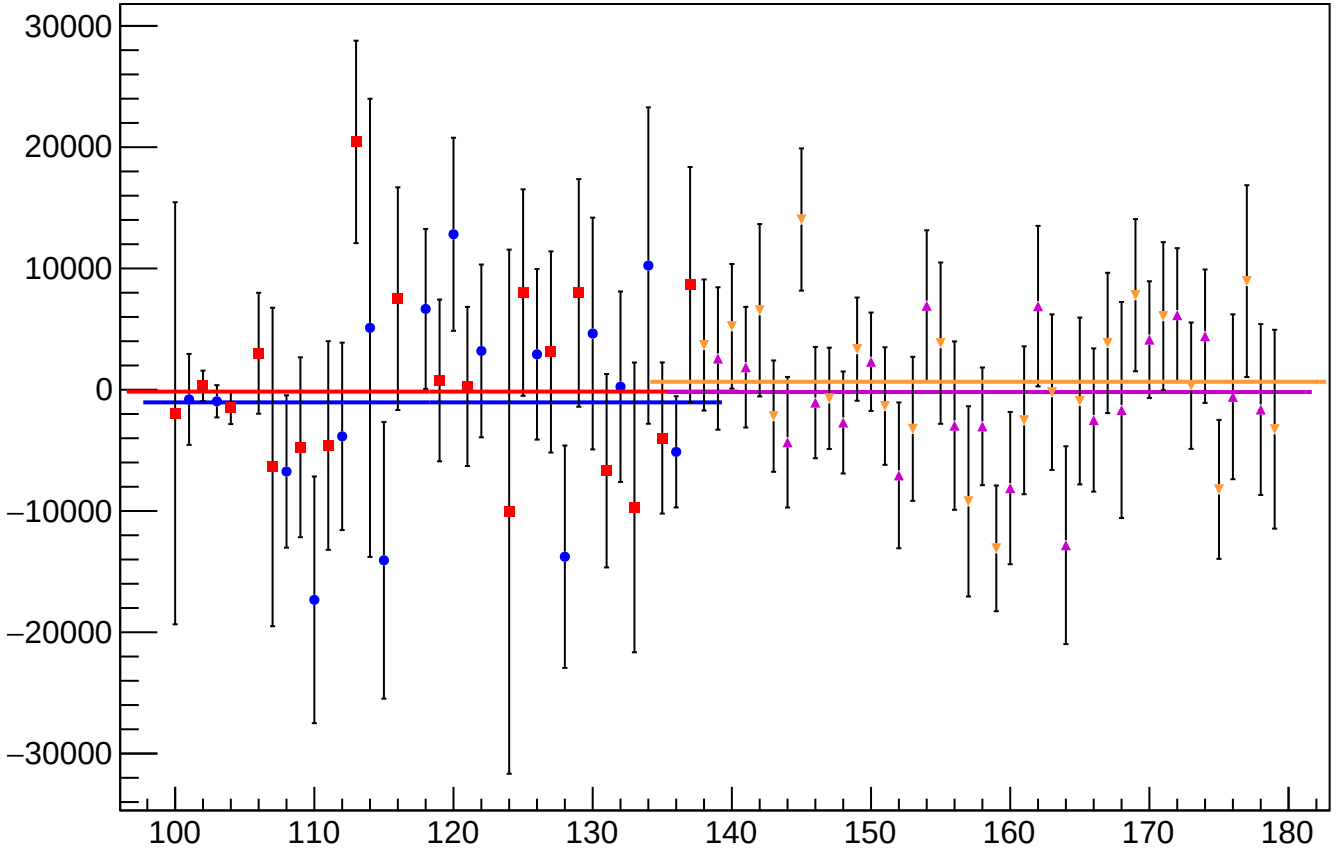
Left In: 1743.745+/-0.305 χ^2/NDF:26274.2/19

+ sign 1771.350+/-0.253 χ^2/NDF: 429623.7/37

All: 1781.117+/-0.182 χ^2/NDF: 891339.6/76

- sign 1791.580+/-0.262 χ^2/NDF: 458628.8/38

asym_atl1r2_avg_eigen_dit_correction_mean vs Slug



Right In: -1041.906+/-1072.405 χ^2/NDF: 13.8/15

Left Out: 655.318+/-1212.093 χ^2/NDF:23.8/21

Right Out: -153.614+/-835.655 χ^2/NDF: 13.7/18

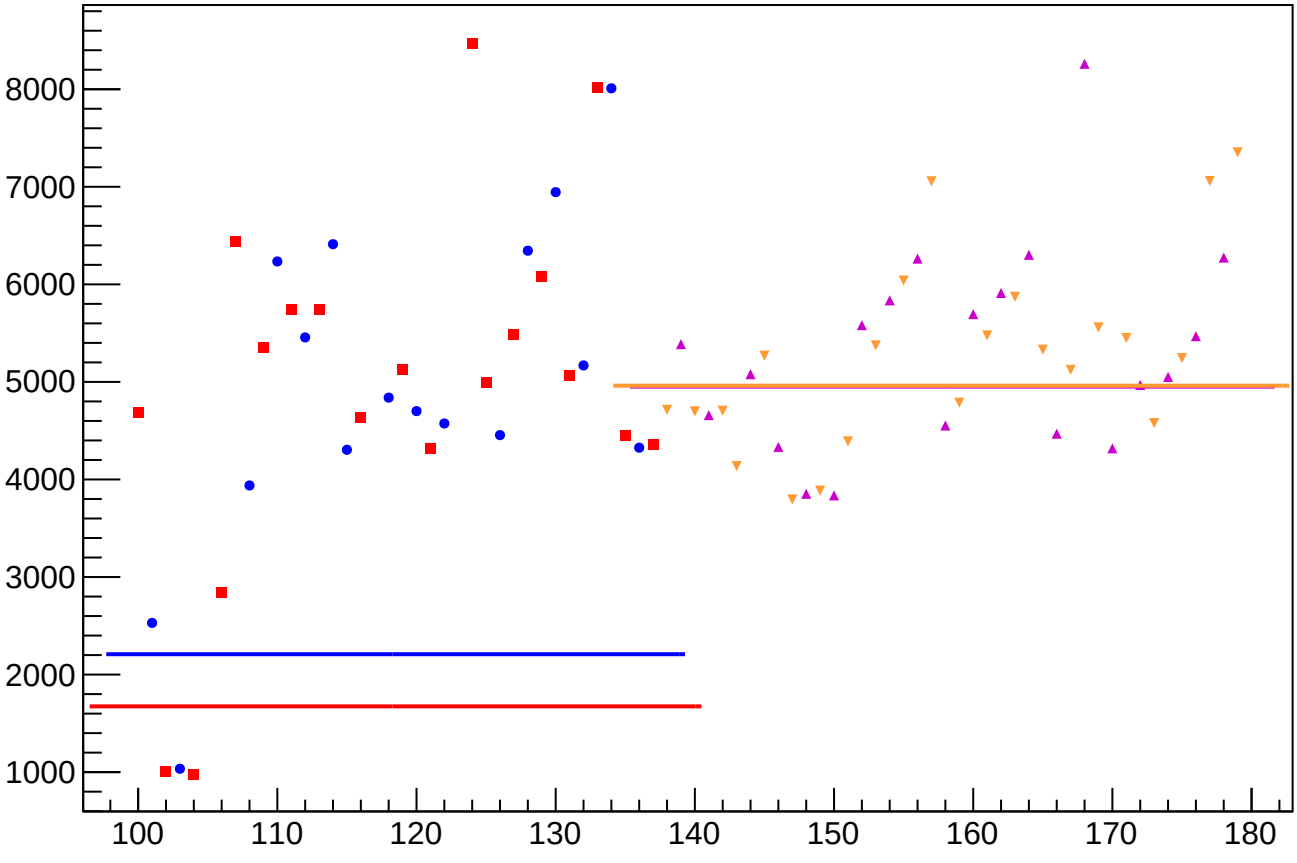
Left In: -188.636+/-1249.121 χ^2/NDF:13.1/19

+ sign -296.685+/-803.172 χ^2/NDF: 38.7/37

All: -221.024+/-525.364 χ^2/NDF: 65.5/76

- sign -164.442+/-694.560 χ^2/NDF: 26.8/38

asym_atl1r2_avg_eigen_dit_correction_rms vs Slug



Right In: 2208.911+/-0.758 χ^2/NDF: 5499004.2/15

Left Out: 4961.248+/-0.857 χ^2/NDF:1020210.0/21

Right Out: 1674.162+/-0.591 χ^2/NDF: 6853204.8/18

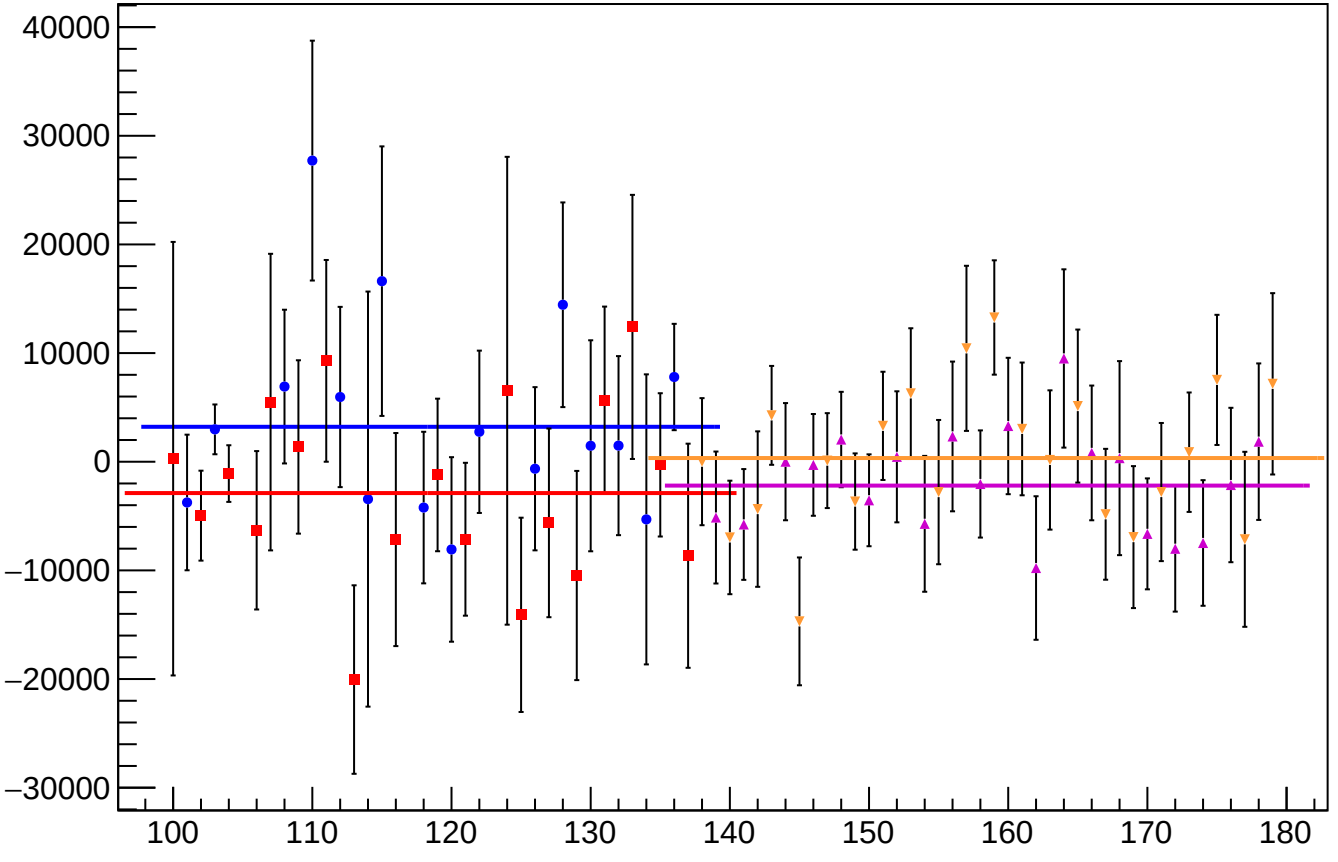
Left In: 4951.686+/-0.883 χ^2/NDF:1021851.2/19

+ sign 3417.413+/-0.568 χ^2/NDF: 12303648.0/37

All: 2999.804+/-0.371 χ^2/NDF: 30635879.8/7

- sign 2687.504+/-0.491 χ^2/NDF: 17387190.3/38

asym_atl1r2_avg_mean vs Slug



Right In: 3215.695+/-1539.262 χ^2/NDF: 13.8/15

Left Out: 339.938+/-1242.244 χ^2/NDF:25.7/21

Right Out: -2883.411+/-1552.120 χ^2/NDF: 13.4/18

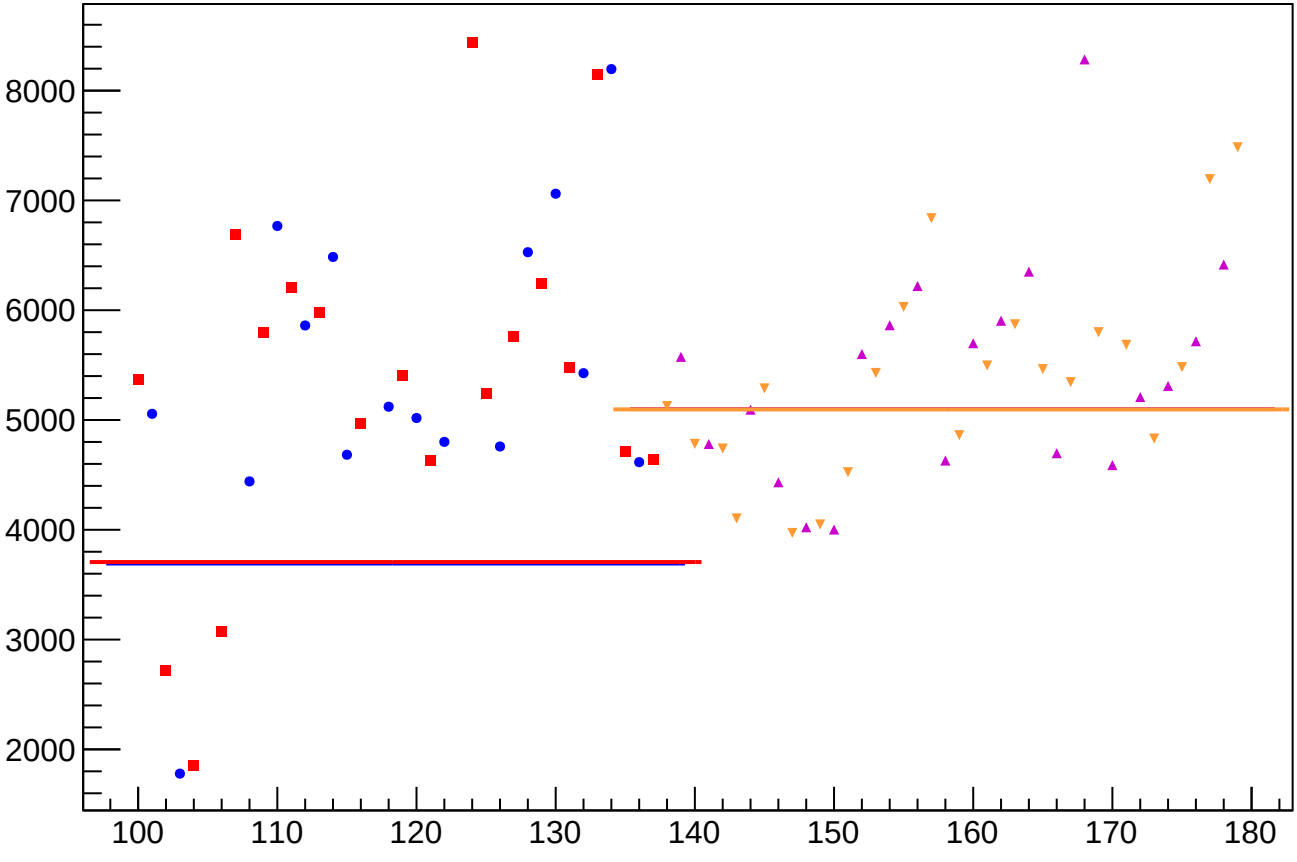
Left In: -2196.051+/-1282.934 χ^2/NDF:10.4/19

+ sign 1474.197+/-966.702 χ^2/NDF: 41.6/37

All: -455.686+/-691.262 χ^2/NDF: 73.7/76

- sign -2475.050+/-988.859 χ^2/NDF: 23.9/38

asym_atl1r2_avg_rms vs Slug



Right In: 3692.815+/-1.088 χ^2/NDF: 2885658.0/15

Left Out: 5096.652+/-0.878 χ^2/NDF:934438.9/21

Right Out: 3706.081+/-1.087 χ^2/NDF: 2684528.0/18

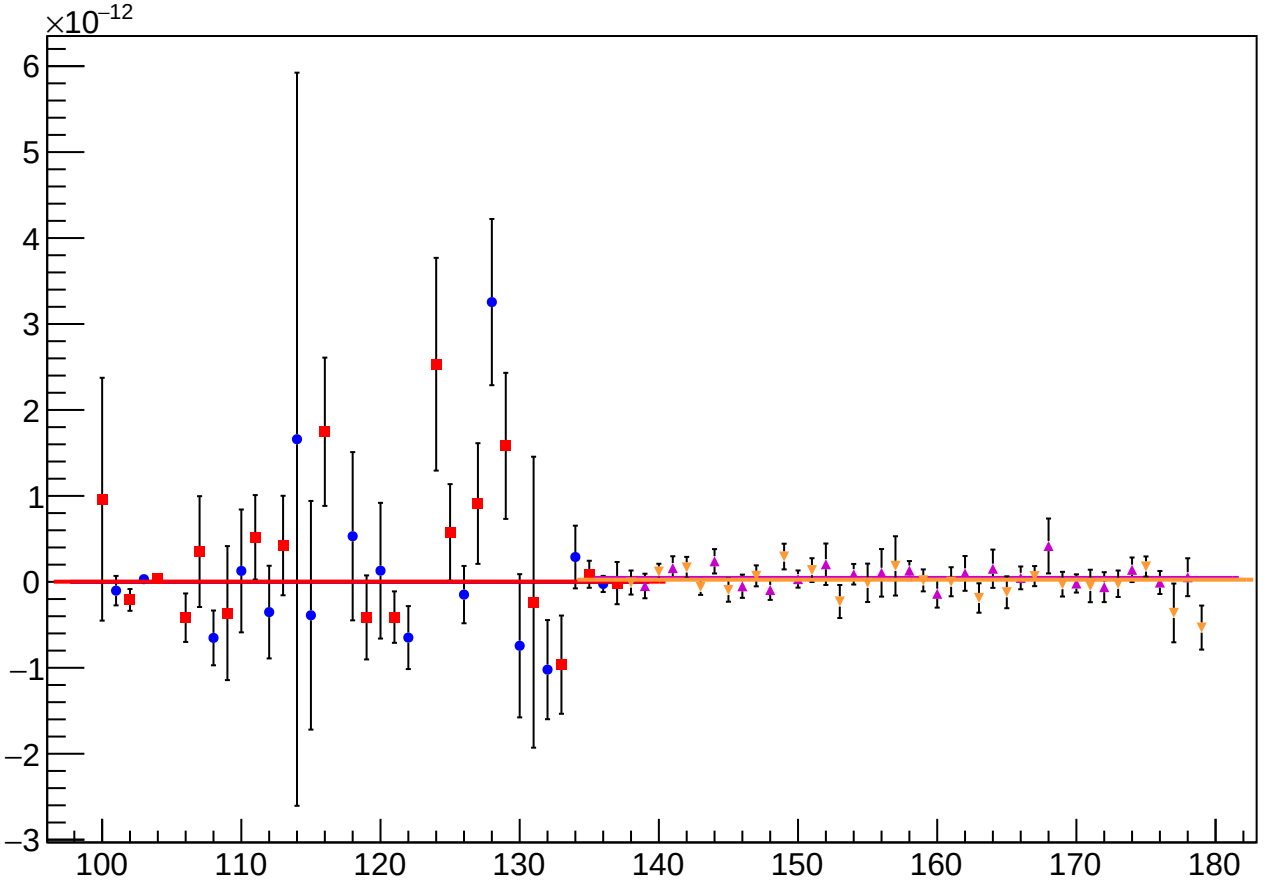
Left In: 5099.454+/-0.907 χ^2/NDF:892613.2/19

+ sign 4542.949+/-0.684 χ^2/NDF: 4827513.4/37

All: 4535.187+/-0.488 χ^2/NDF: 9373931.7/76

- sign 4527.131+/-0.696 χ^2/NDF: 4546155.5/38

asym_atl1r2_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 25.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:20.4/21

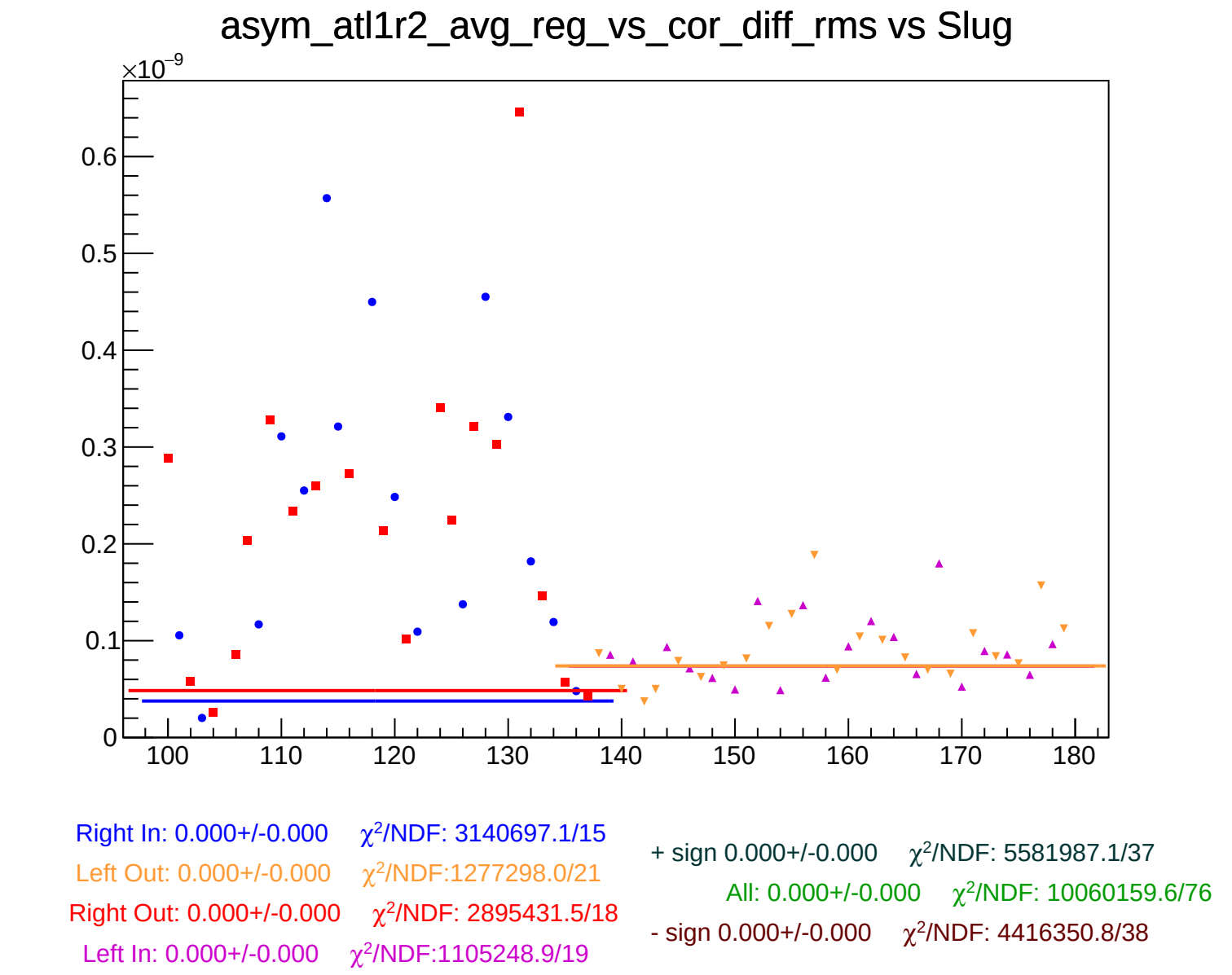
Right Out: 0.000+/-0.000 χ^2/NDF: 28.2/18

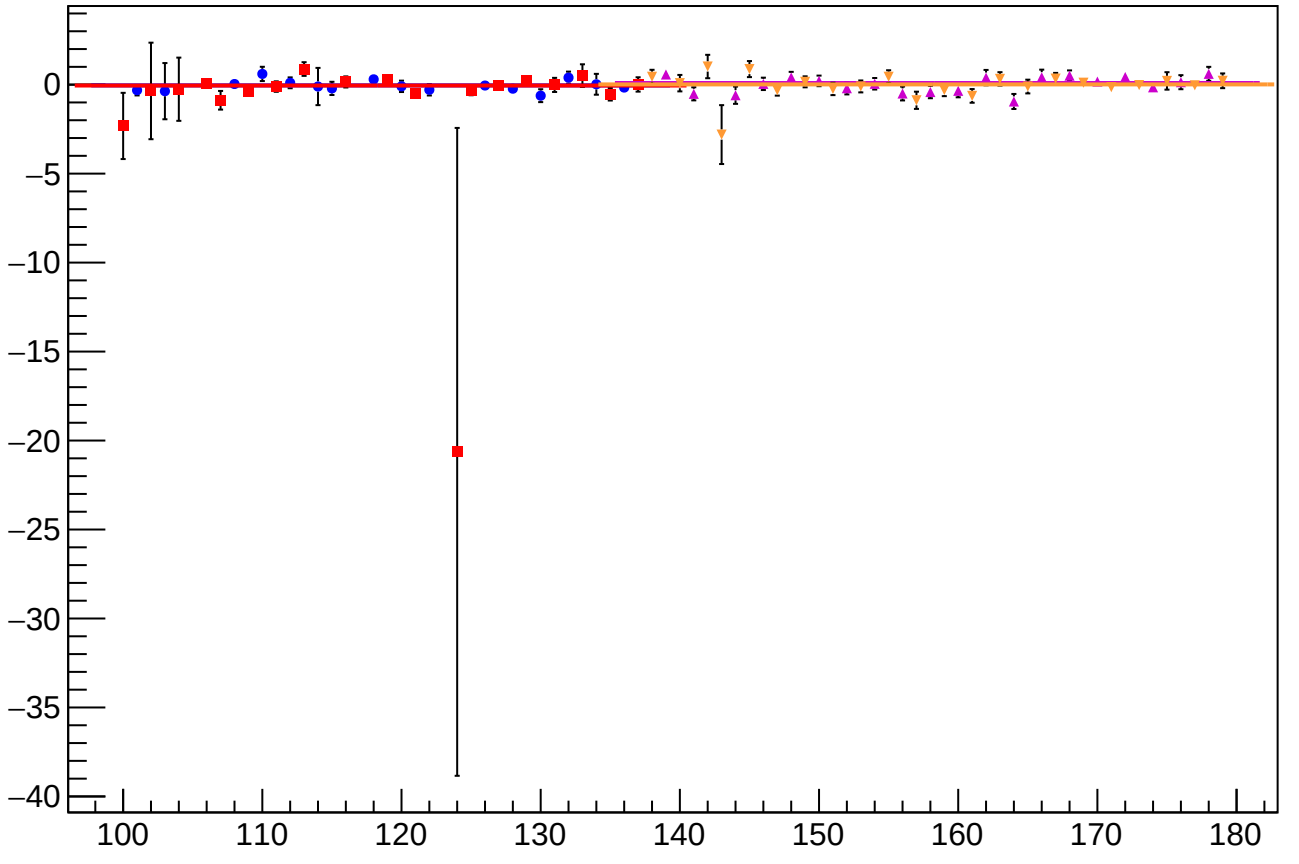
Left In: 0.000+/-0.000 χ^2/NDF:10.5/19

+ sign 0.000+/-0.000 χ^2/NDF: 46.1/37

All: 0.000+/-0.000 χ^2/NDF: 85.6/76

- sign 0.000+/-0.000 χ^2/NDF: 39.3/38


asym_atl1r2_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.6
0.5
0.4
0.3
0.2
0.1
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 3140697.1/15
Left Out: 0.000+/-0.000 χ²/NDF:1277298.0/21
Right Out: 0.000+/-0.000 χ²/NDF: 2895431.5/18
Left In: 0.000+/-0.000 χ²/NDF:1105248.9/19
+ sign 0.000+/-0.000 χ²/NDF: 5581987.1/37
All: 0.000+/-0.000 χ²/NDF: 10060159.6/76
- sign 0.000+/-0.000 χ²/NDF: 4416350.8/38



Right In: -0.041+/-0.078 χ^2/NDF: 11.7/15

Left Out: 0.013+/-0.072 χ^2/NDF:23.5/21

Right Out: -0.049+/-0.079 χ^2/NDF: 23.0/18

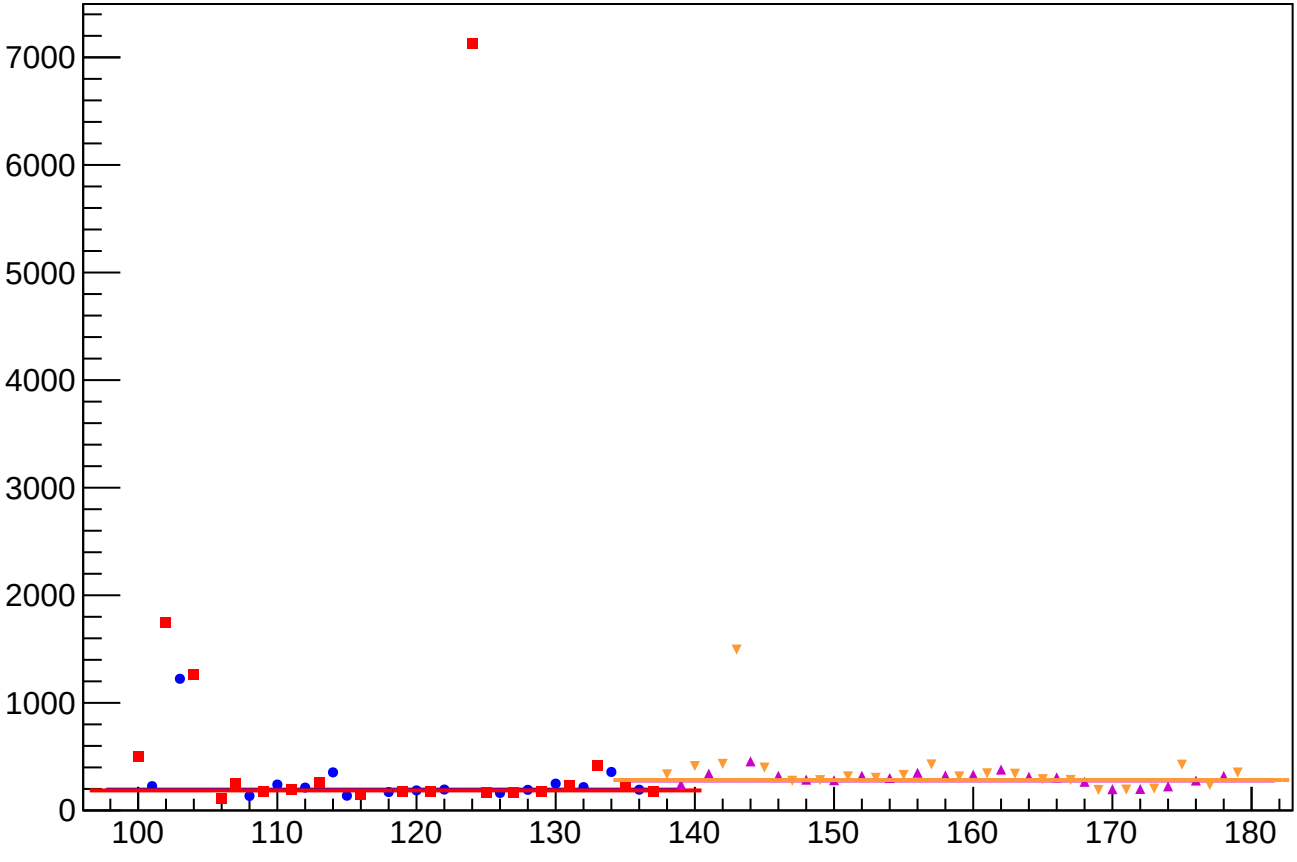
Left In: 0.091+/-0.072 χ^2/NDF:29.6/19

+ sign -0.012+/-0.053 χ^2/NDF: 35.5/37

All: 0.007+/-0.038 χ^2/NDF: 90.1/76

- sign 0.027+/-0.053 χ^2/NDF: 54.3/38

asym_atl1r2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 193.248+/-0.055 χ^2/NDF: 1408397.0/15

Left Out: 282.404+/-0.051 χ^2/NDF:3074560.6/21

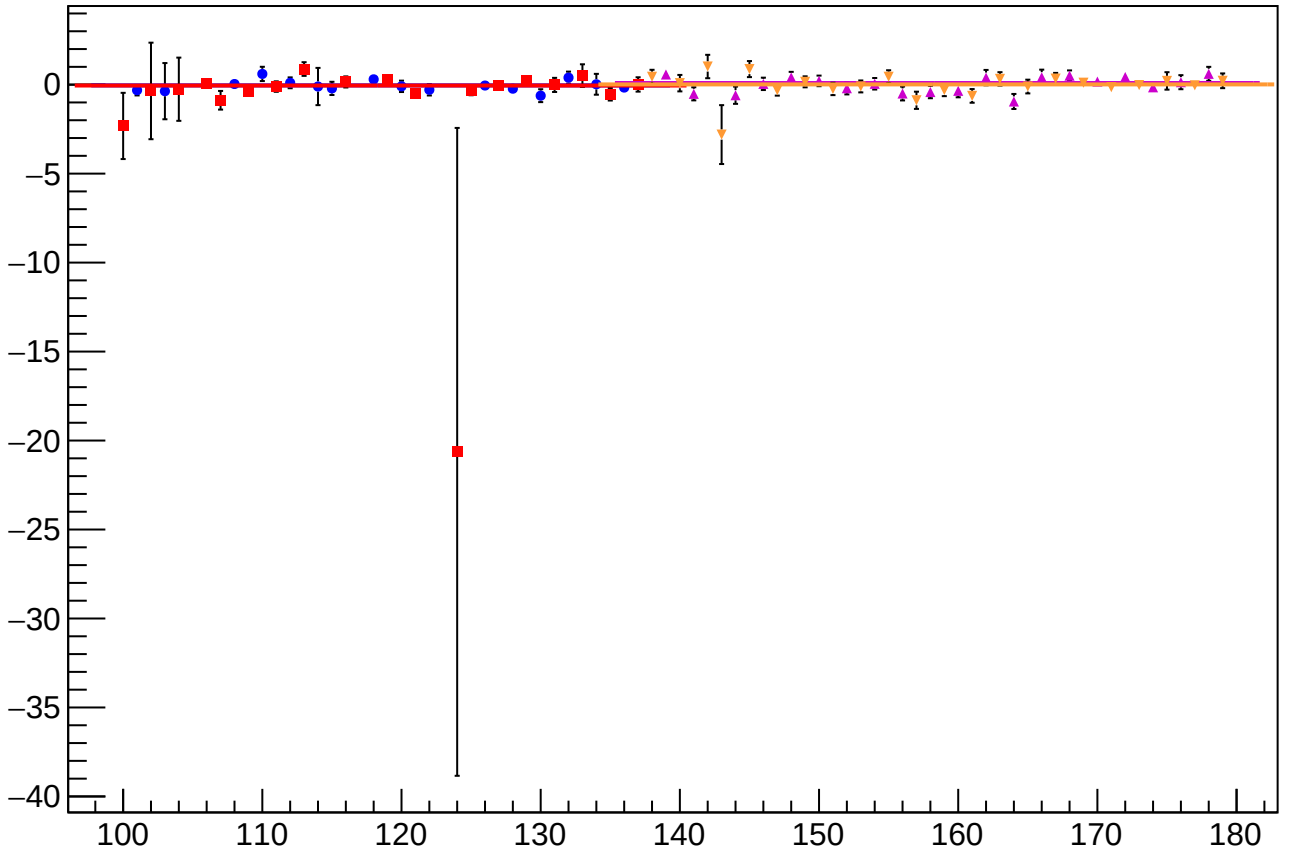
Right Out: 186.379+/-0.056 χ^2/NDF: 2479083.9/18

Left In: 278.862+/-0.051 χ^2/NDF:1346518.5/19

+ sign 241.043+/-0.037 χ^2/NDF: 5892591.9/37

All: 238.810+/-0.027 χ^2/NDF: 11220160.4/76

- sign 236.549+/-0.038 χ^2/NDF: 5320413.1/38



Right In: -0.041+/-0.078 χ^2/NDF: 11.7/15

Left Out: 0.013+/-0.072 χ^2/NDF:23.5/21

Right Out: -0.049+/-0.079 χ^2/NDF: 23.0/18

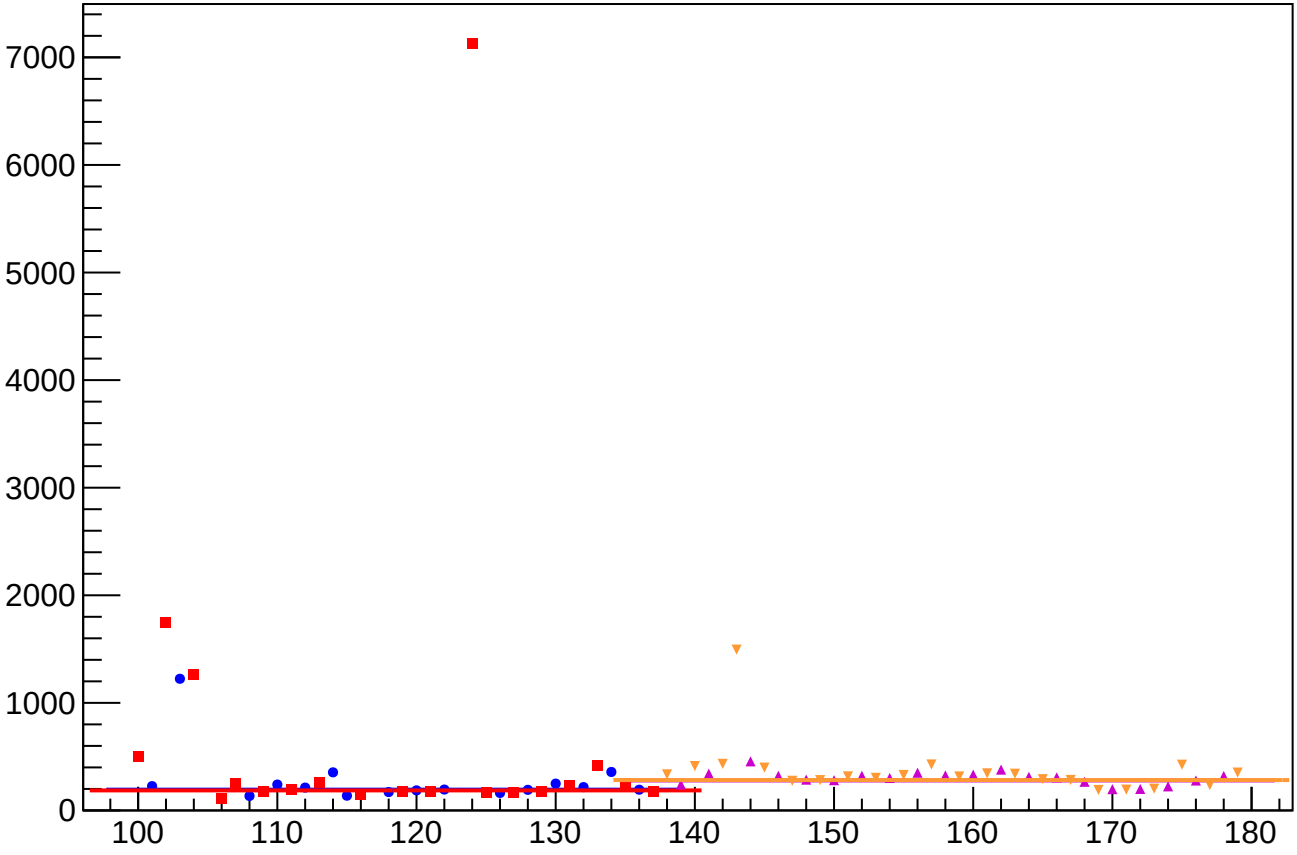
Left In: 0.091+/-0.072 χ^2/NDF:29.6/19

+ sign -0.012+/-0.053 χ^2/NDF: 35.5/37

All: 0.007+/-0.038 χ^2/NDF: 90.1/76

- sign 0.027+/-0.053 χ^2/NDF: 54.3/38

asym_atl1r2_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 193.248+/-0.055 χ^2/NDF: 1408397.0/15

Left Out: 282.404+/-0.051 χ^2/NDF:3074560.6/21

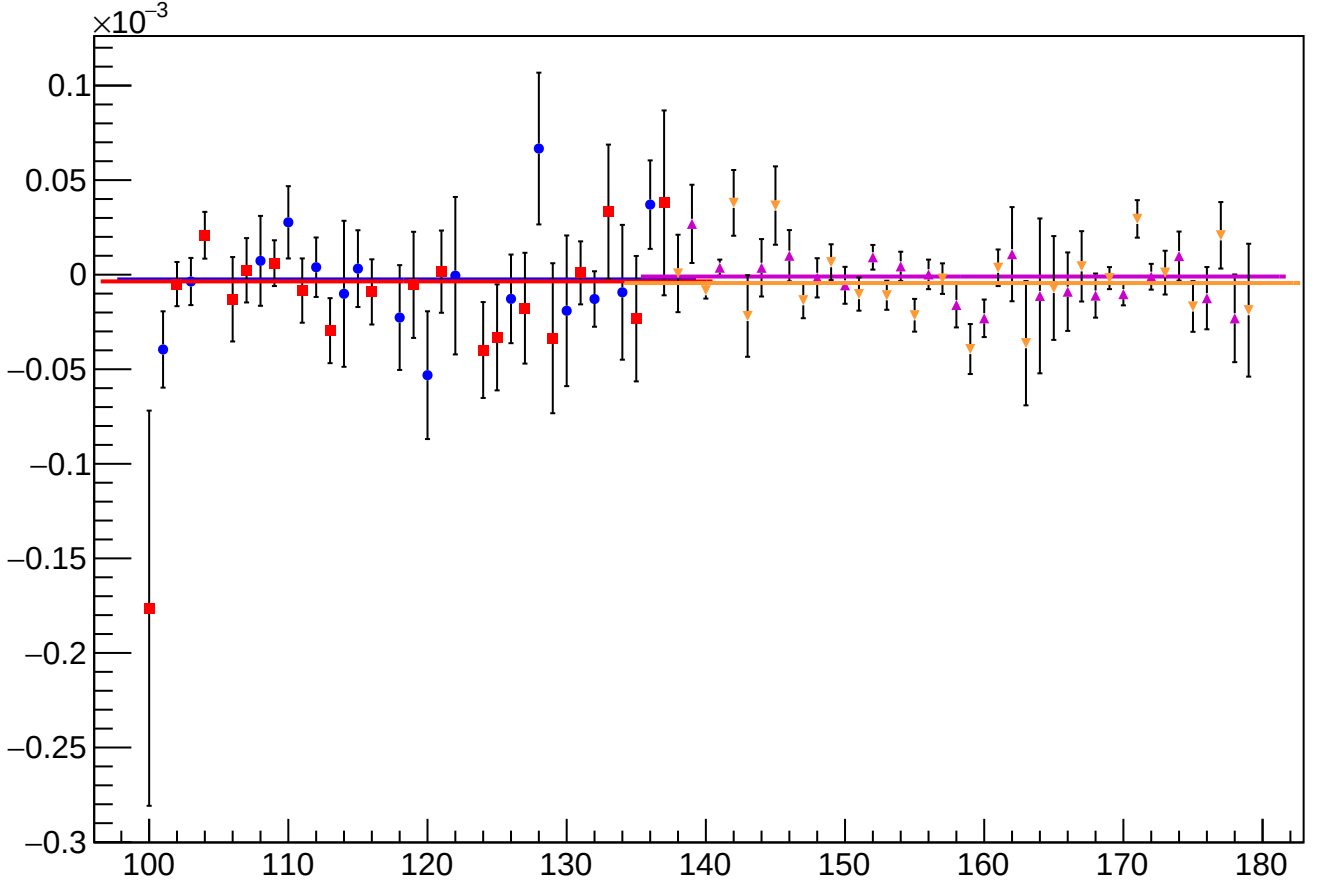
Right Out: 186.379+/-0.056 χ^2/NDF: 2479083.9/18

Left In: 278.862+/-0.051 χ^2/NDF:1346518.5/19

+ sign 241.043+/-0.037 χ^2/NDF: 5892591.9/37

All: 238.810+/-0.027 χ^2/NDF: 11220160.4/76

- sign 236.549+/-0.038 χ^2/NDF: 5320413.1/38



Right In: -0.000+/-0.000 χ^2/NDF: 15.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:42.7/21

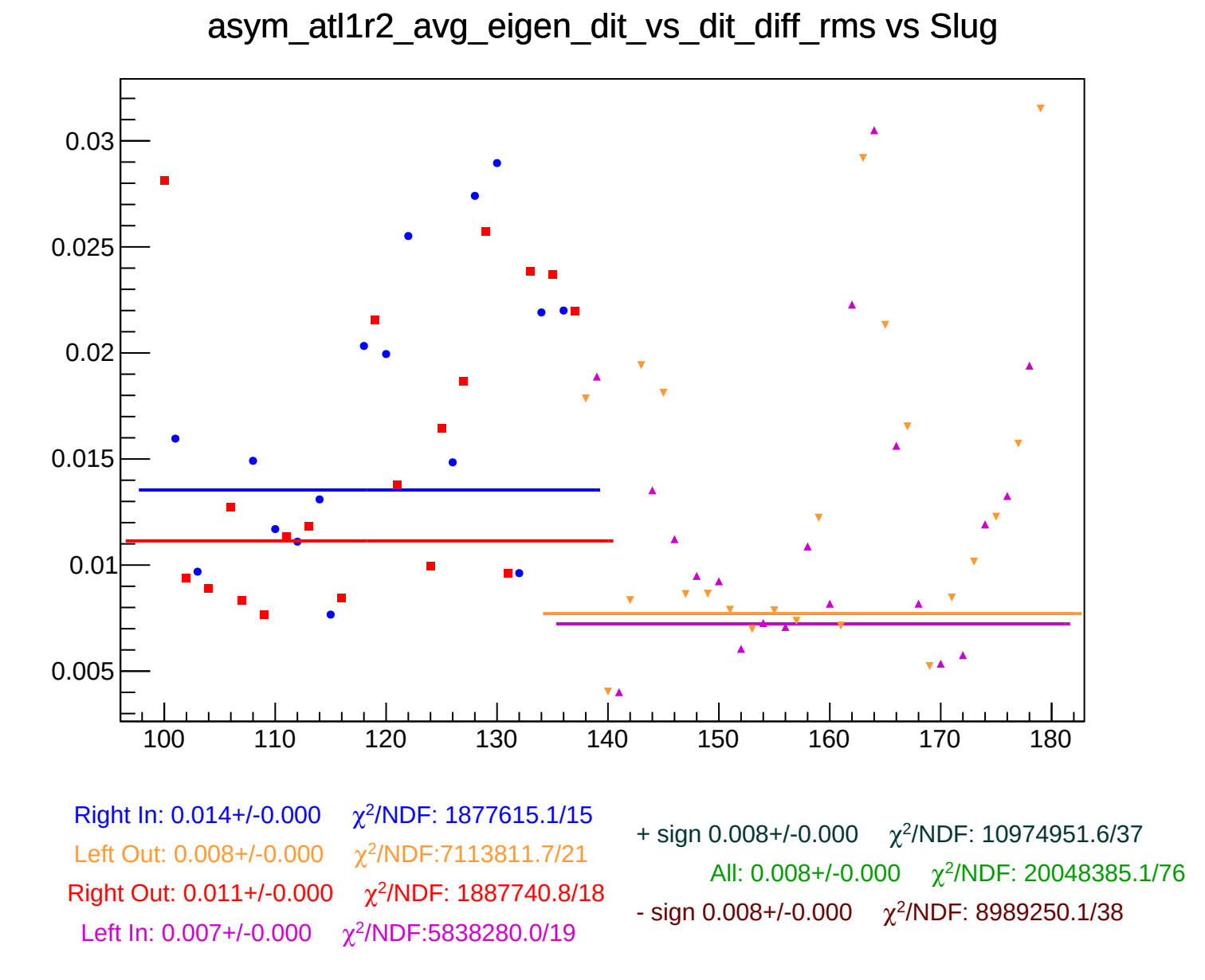
Right Out: -0.000+/-0.000 χ^2/NDF: 16.3/18

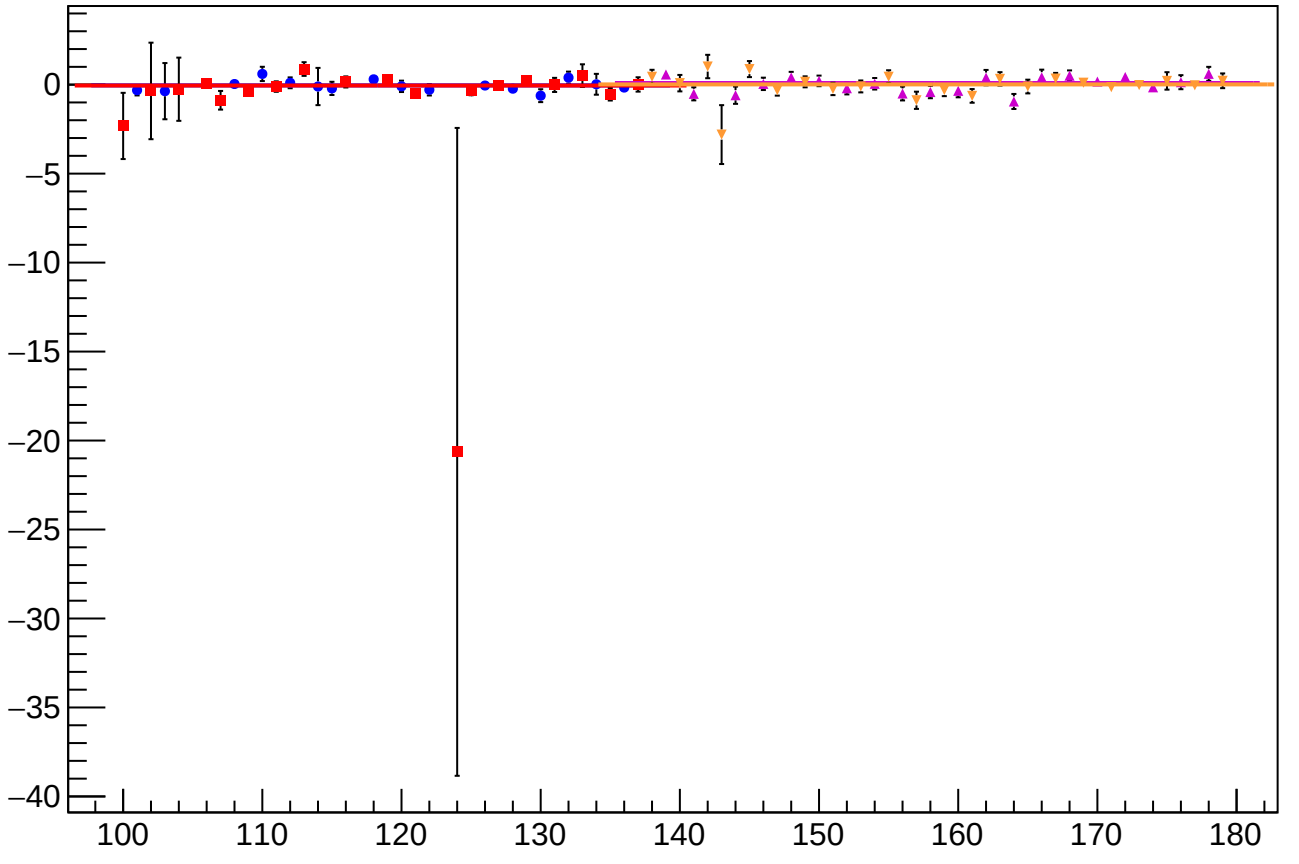
Left In: -0.000+/-0.000 χ^2/NDF:19.2/19

+ sign -0.000+/-0.000 χ^2/NDF: 58.7/37

All: -0.000+/-0.000 χ^2/NDF: 95.5/76

- sign -0.000+/-0.000 χ^2/NDF: 35.8/38


asym_atl1r2_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.03
0.025
0.02
0.015
0.01
0.005
100
110
120
130
140
150
160
170
180
Right In: 0.014+/-0.000 χ²/NDF: 1877615.1/15
Left Out: 0.008+/-0.000 χ²/NDF:7113811.7/21
Right Out: 0.011+/-0.000 χ²/NDF: 1887740.8/18
Left In: 0.007+/-0.000 χ²/NDF:5838280.0/19
+ sign 0.008+/-0.000 χ²/NDF: 10974951.6/37
All: 0.008+/-0.000 χ²/NDF: 20048385.1/76
- sign 0.008+/-0.000 χ²/NDF: 8989250.1/38



Right In: -0.041+/-0.078 χ^2/NDF: 11.7/15

Left Out: 0.013+/-0.072 χ^2/NDF:23.5/21

Right Out: -0.049+/-0.079 χ^2/NDF: 23.0/18

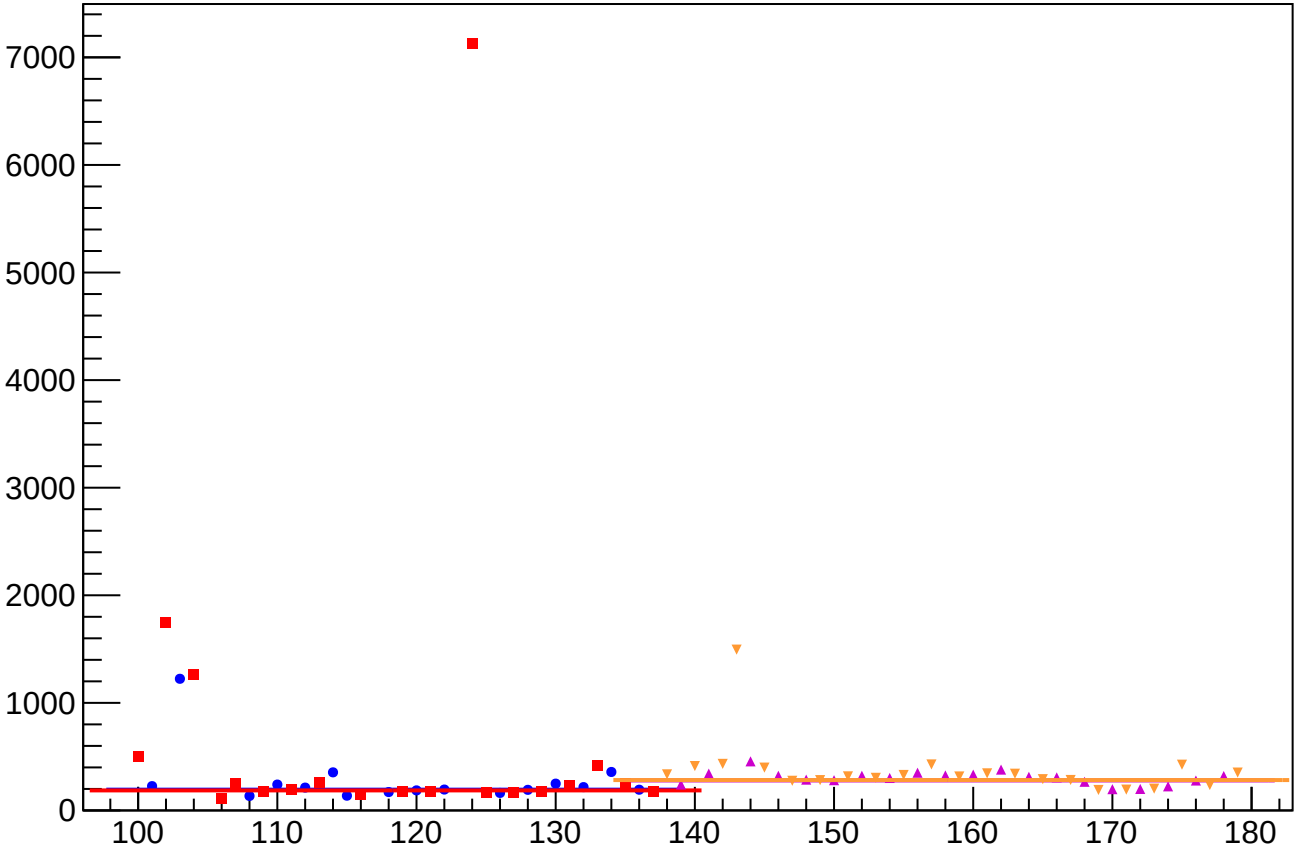
Left In: 0.091+/-0.072 χ^2/NDF:29.6/19

+ sign -0.012+/-0.053 χ^2/NDF: 35.5/37

All: 0.007+/-0.038 χ^2/NDF: 90.1/76

- sign 0.027+/-0.053 χ^2/NDF: 54.3/38

asym_atl1r2_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 193.247+/-0.055 χ^2/NDF: 1408390.6/15

Left Out: 282.407+/-0.051 χ^2/NDF:3074613.7/21

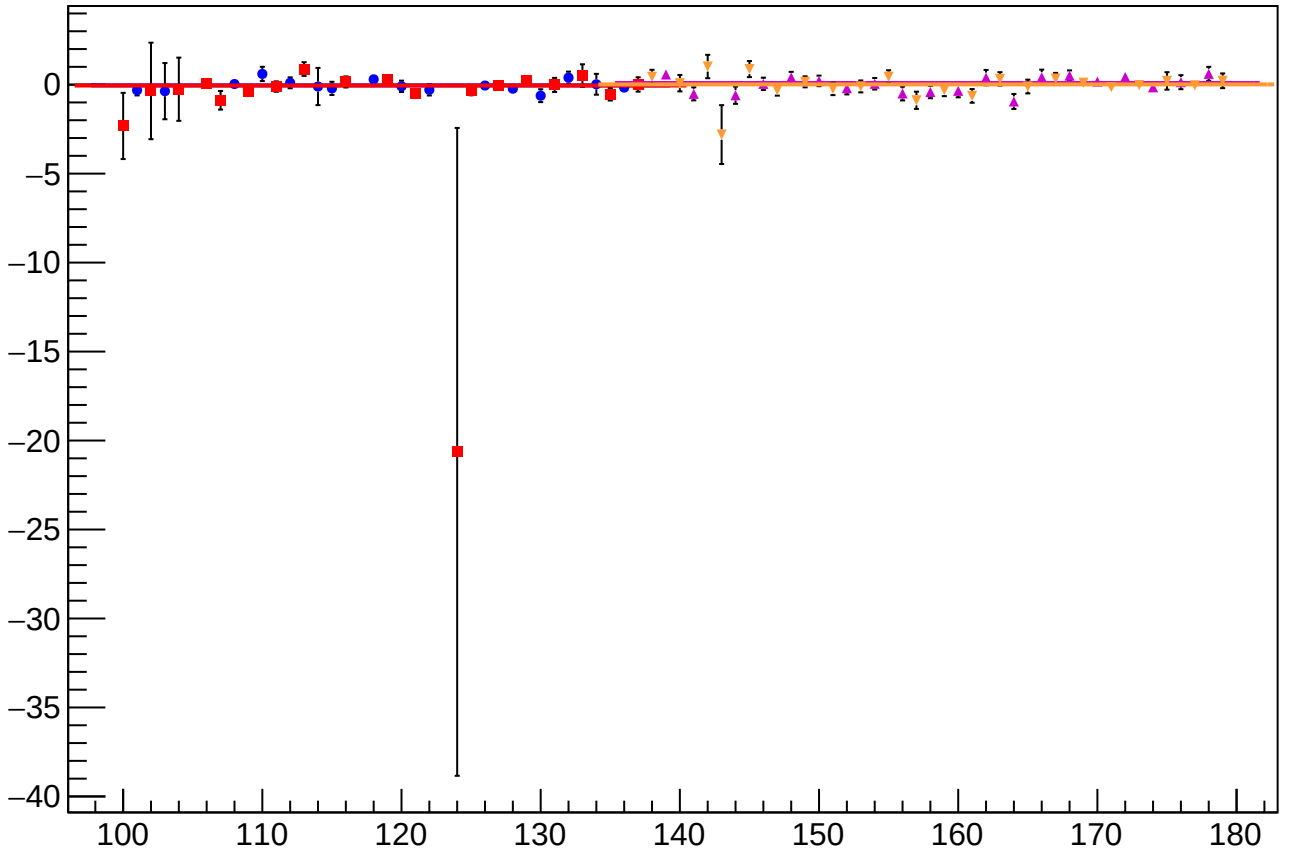
Right Out: 186.376+/-0.056 χ^2/NDF: 2479113.1/18

Left In: 278.865+/-0.051 χ^2/NDF:1346569.2/19

+ sign 241.043+/-0.037 χ^2/NDF: 5892764.3/37

All: 238.810+/-0.027 χ^2/NDF: 11220571.5/76

- sign 236.548+/-0.038 χ^2/NDF: 5320650.2/38



Right In: -0.041+/-0.078 χ^2/NDF: 11.7/15

Left Out: 0.013+/-0.072 χ^2/NDF:23.5/21

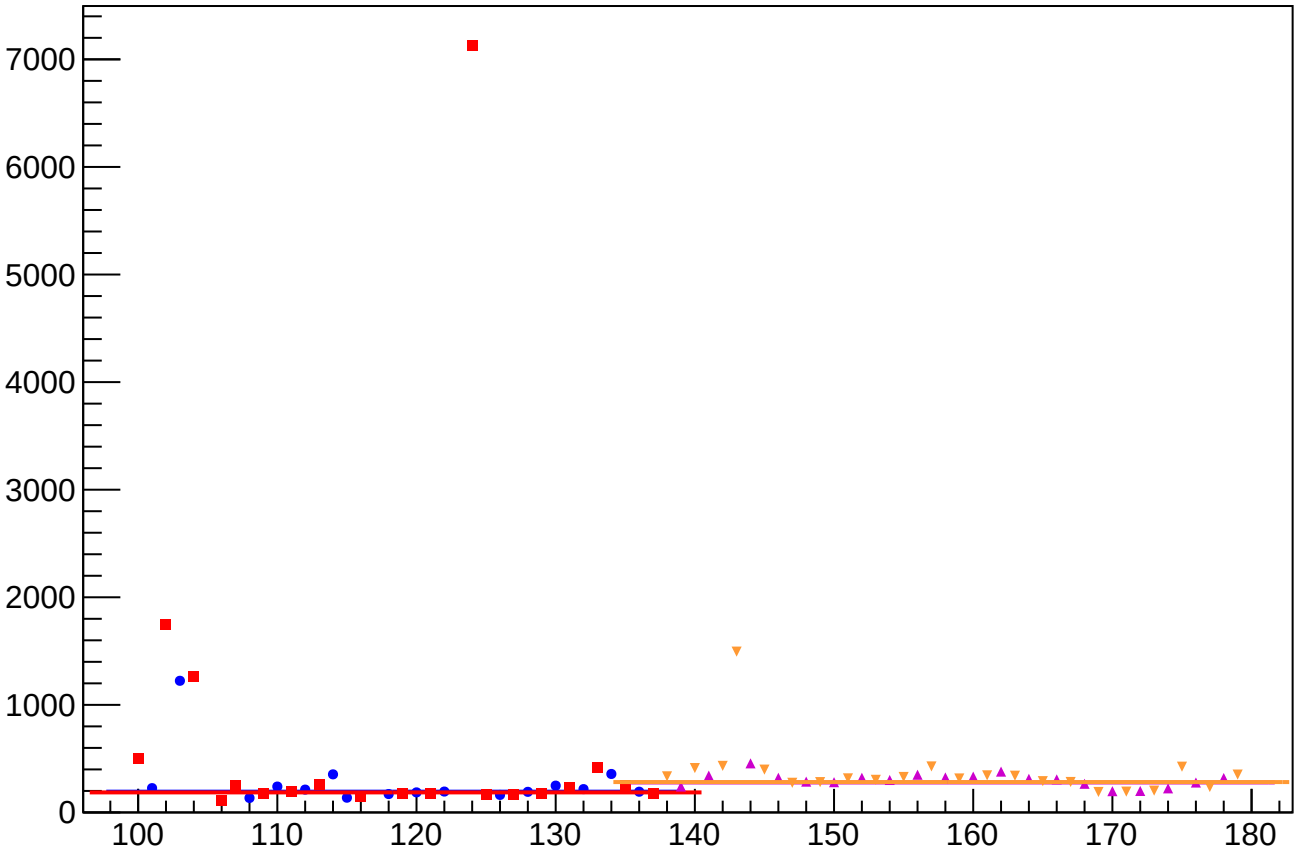
Right Out: -0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: 0.091+/-0.072 χ^2/NDF:29.6/19

+ sign -0.012+/-0.053 χ^2/NDF: 35.5/37

All: 0.007+/-0.038 χ^2/NDF: 90.1/76

- sign 0.027+/-0.053 χ^2/NDF: 54.3/38



Right In: 193.247+/-0.055 χ^2/NDF: 1408390.6/15

Left Out: 282.407+/-0.051 χ^2/NDF:3074613.7/21

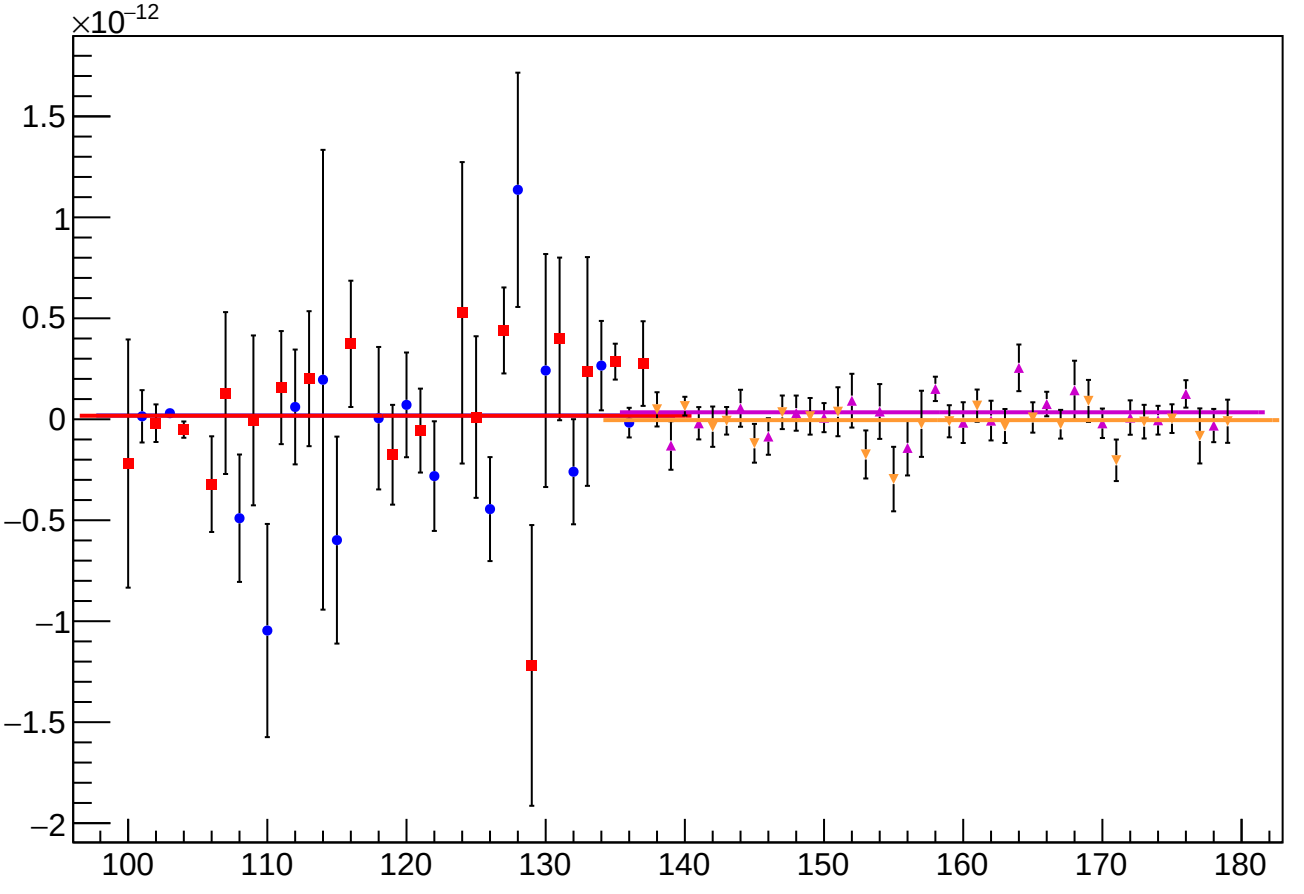
Right Out: 186.376+/-0.056 χ^2/NDF: 2479113.1/18

Left In: 278.865+/-0.051 χ^2/NDF:1346569.2/19

+ sign 241.043+/-0.037 χ^2/NDF: 5892764.3/37

All: 238.810+/-0.027 χ^2/NDF: 11220571.5/76

- sign 236.548+/-0.038 χ^2/NDF: 5320650.2/38



Right In: 0.000+/-0.000 χ^2/NDF: 19.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.9/21

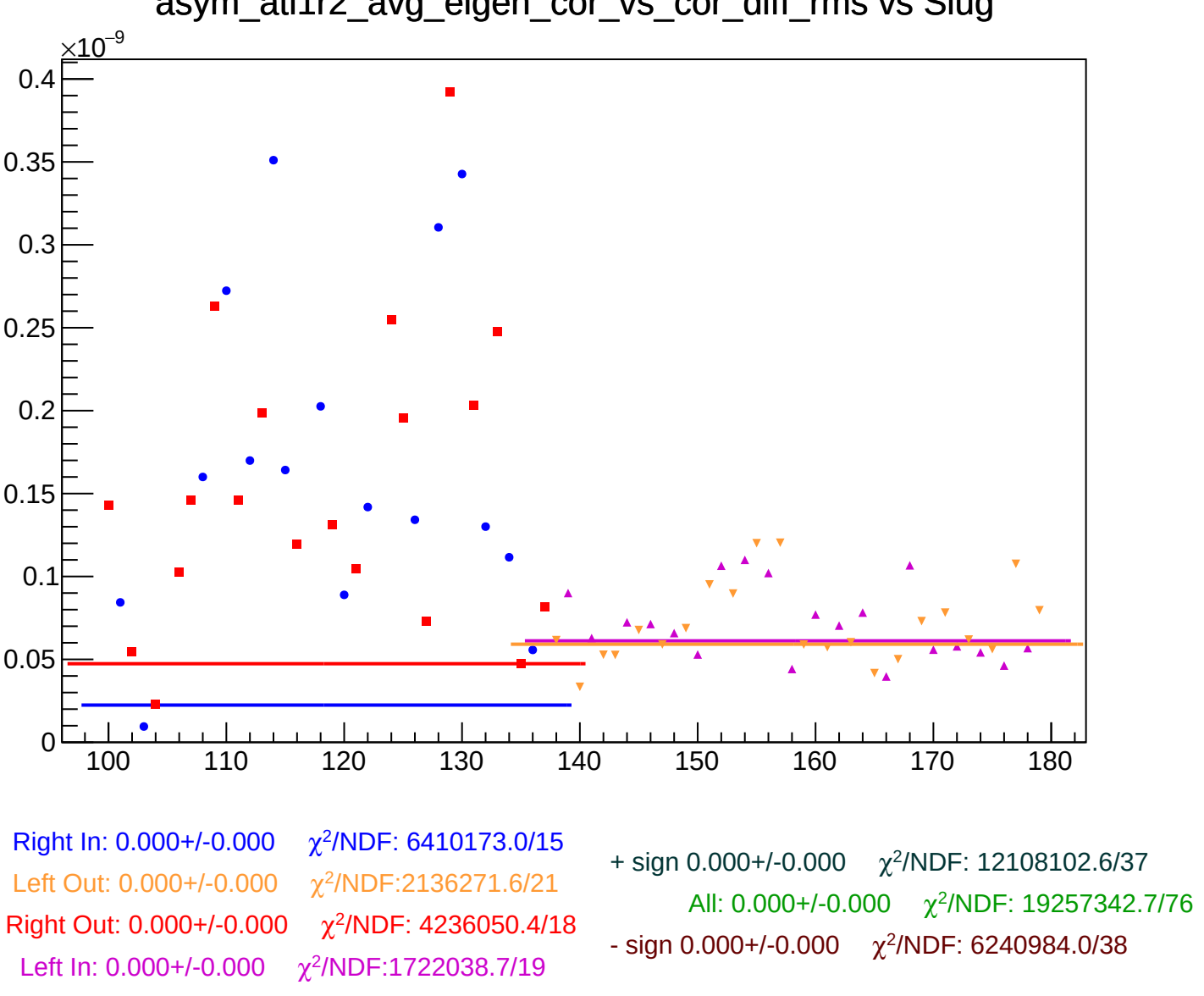
Right Out: 0.000+/-0.000 χ^2/NDF: 27.1/18

Left In: 0.000+/-0.000 χ^2/NDF:18.3/19

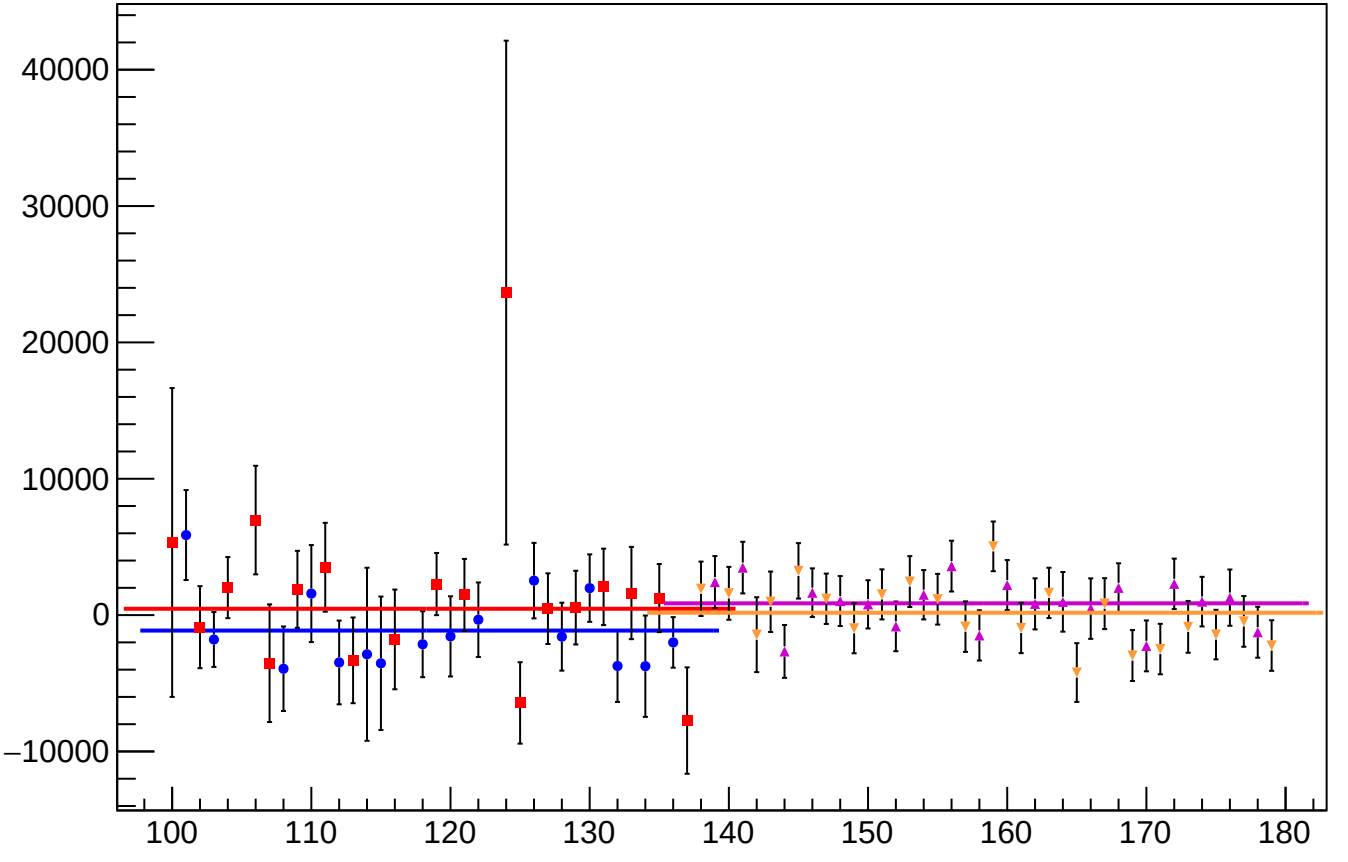
+ sign 0.000+/-0.000 χ^2/NDF: 36.0/37

All: 0.000+/-0.000 χ^2/NDF: 82.9/76

- sign 0.000+/-0.000 χ^2/NDF: 45.6/38


asym_atl1r2_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 6410173.0/15
Left Out: 0.000+/-0.000 χ²/NDF:2136271.6/21
Right Out: 0.000+/-0.000 χ²/NDF: 4236050.4/18
Left In: 0.000+/-0.000 χ²/NDF:1722038.7/19
+ sign 0.000+/-0.000 χ²/NDF: 12108102.6/37
All: 0.000+/-0.000 χ²/NDF: 19257342.7/76
- sign 0.000+/-0.000 χ²/NDF: 6240984.0/38

reg_asym_atl1r2_dd_mean vs Slug



Right In: -1134.630+/-693.782 χ^2/NDF: 12.2/15

Left Out: 173.045+/-408.964 χ^2/NDF:27.5/21

Right Out: 465.519+/-705.926 χ^2/NDF: 20.0/18

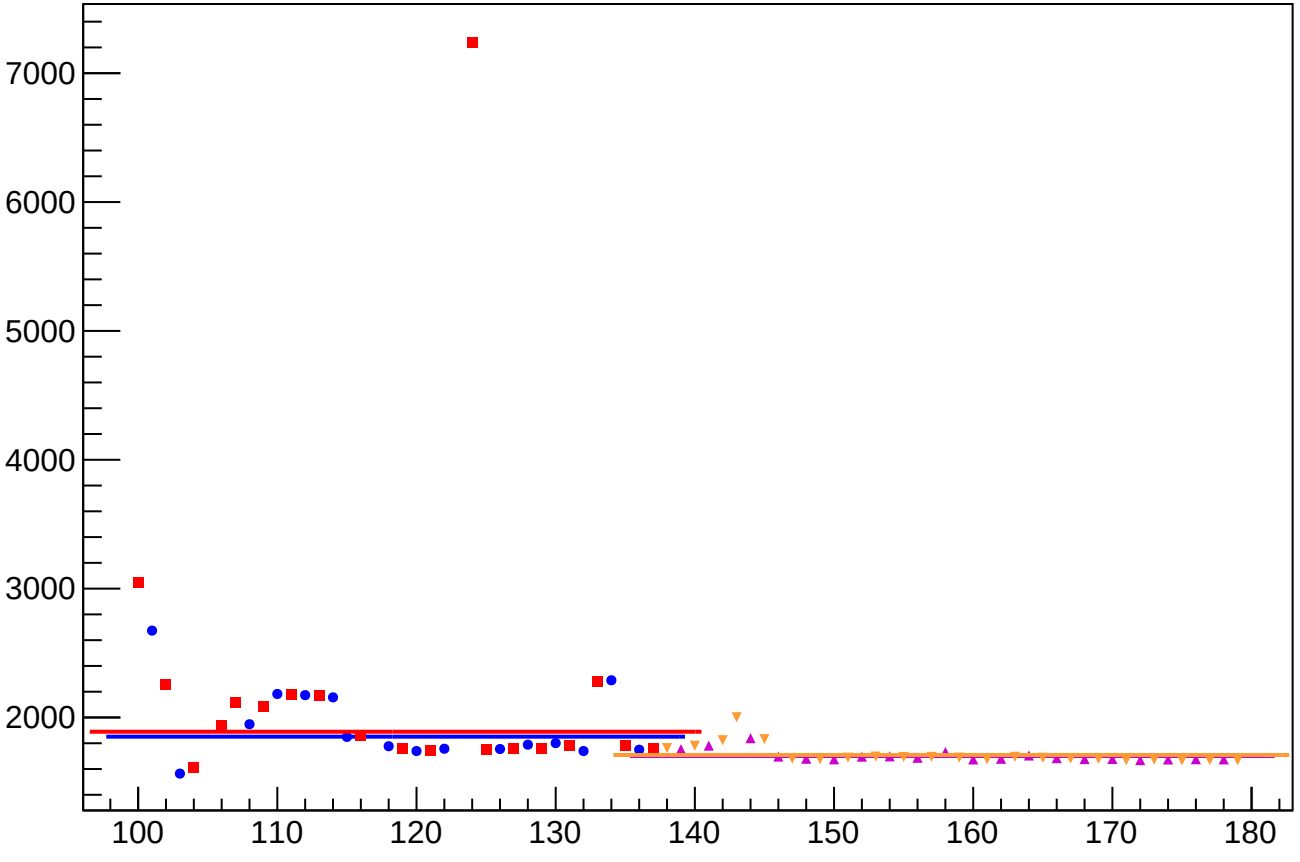
Left In: 863.400+/-420.867 χ^2/NDF:16.5/19

+ sign -164.167+/-352.310 χ^2/NDF: 42.4/37

All: 285.568+/-252.306 χ^2/NDF: 82.6/76

- sign 759.062+/-361.496 χ^2/NDF: 36.8/38

reg_asym_atl1r2_dd_rms vs Slug



Right In: 1851.130+/-0.491 χ^2/NDF: 259981.6/15

Left Out: 1708.923+/-0.289 χ^2/NDF:58517.8/21

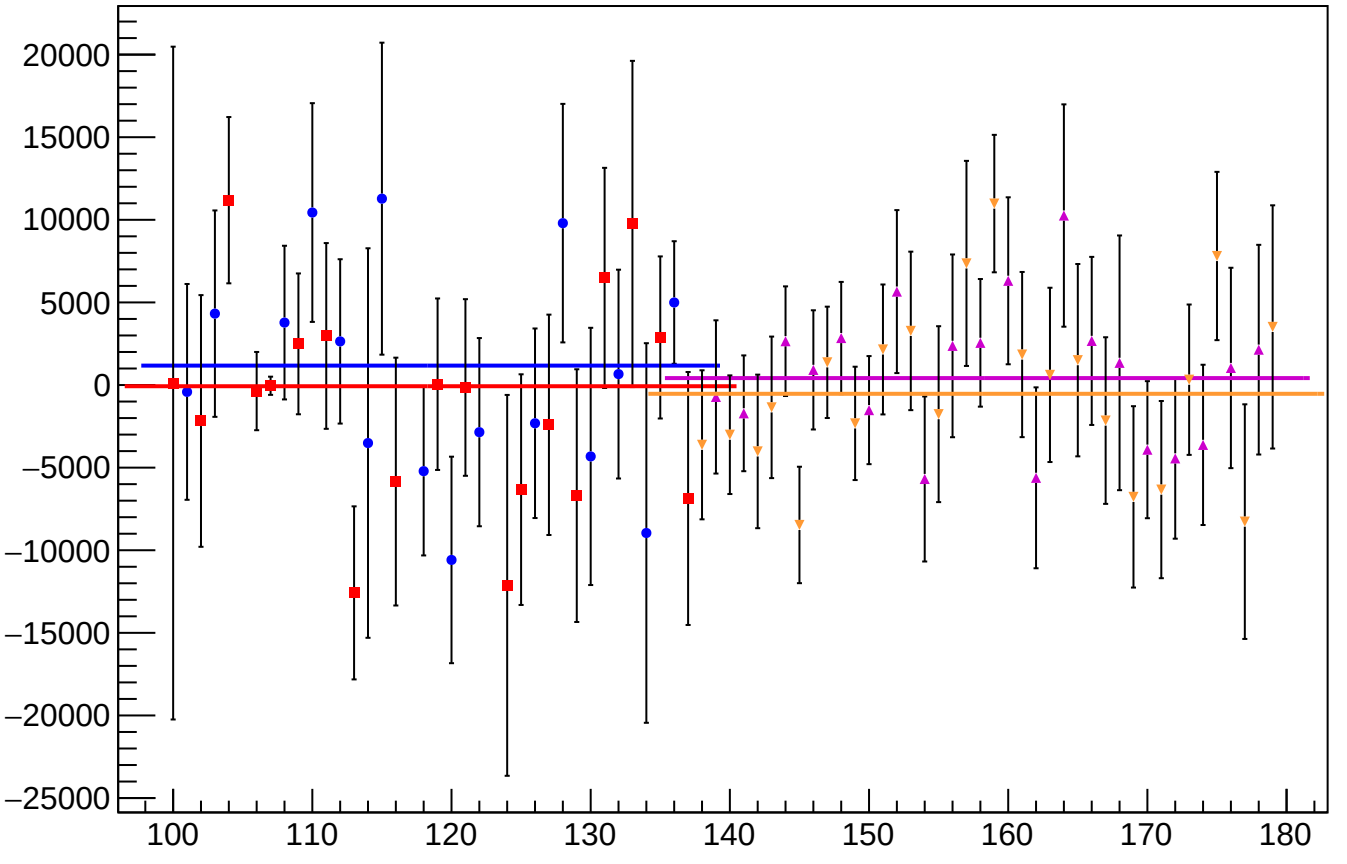
Right Out: 1889.528+/-0.498 χ^2/NDF: 358902.6/18

Left In: 1701.061+/-0.298 χ^2/NDF:19885.6/19

+ sign 1745.594+/-0.249 χ^2/NDF: 380859.3/37

All: 1748.060+/-0.178 χ^2/NDF: 865380.4/76

- sign 1750.653+/-0.255 χ^2/NDF: 484320.1/38



Right In: 1175.430+/-1502.128 χ^2/NDF: 13.7/15

Left Out: -531.200+/-977.704 χ^2/NDF:24.8/21

Right Out: -72.681+/-505.693 χ^2/NDF: 17.9/18

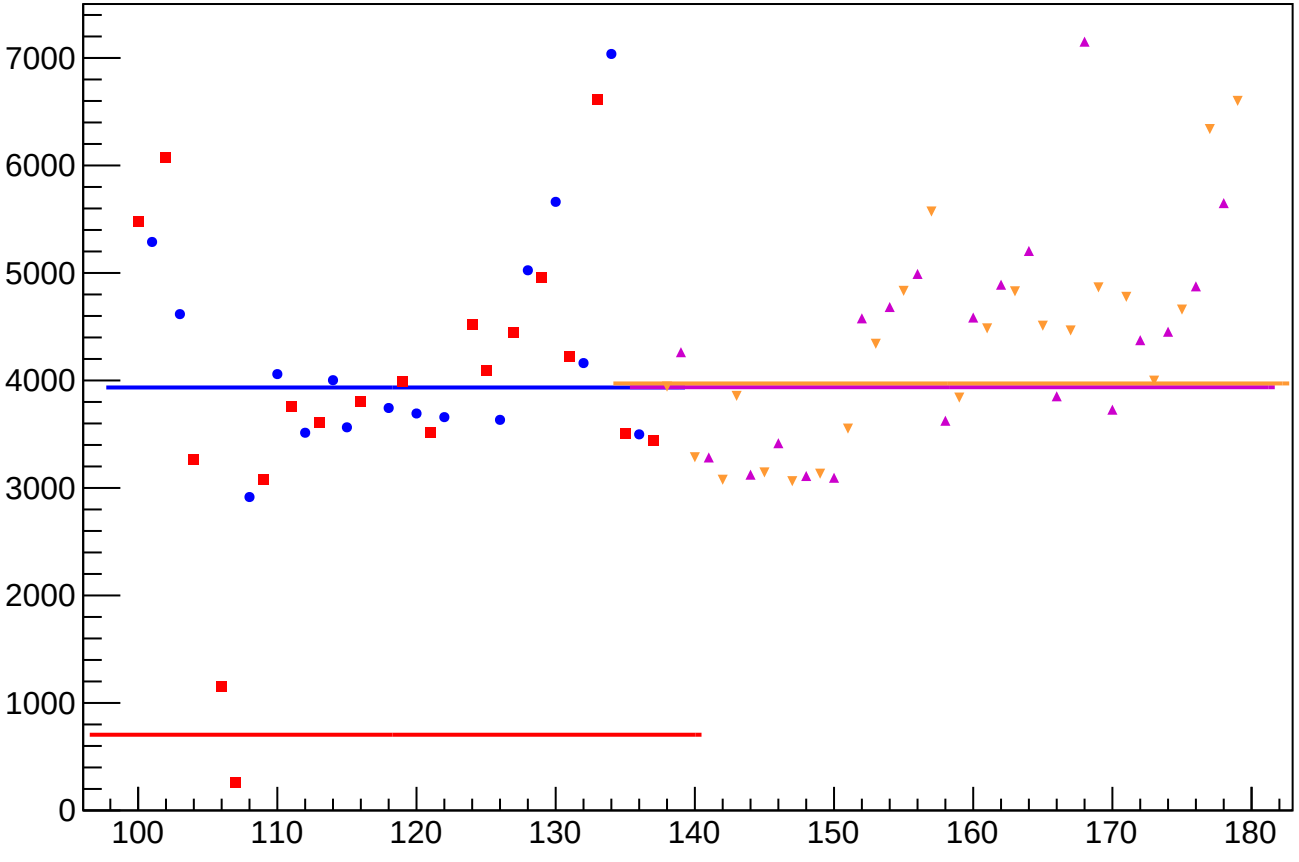
Left In: 419.951+/-999.172 χ^2/NDF:12.6/19

+ sign -23.346+/-819.420 χ^2/NDF: 39.4/37

All: 15.881+/-395.241 χ^2/NDF: 70.2/76

- sign 27.775+/-451.197 χ^2/NDF: 30.7/38

asym_atl1r2_dd_reg_correction_rms vs Slug



Right In: 3934.718+/-1.062 χ^2/NDF: 560125.6/15

Left Out: 3972.246+/-0.691 χ^2/NDF:1468252.0/21

Right Out: 704.385+/-0.358 χ^2/NDF: 10618643.5/18

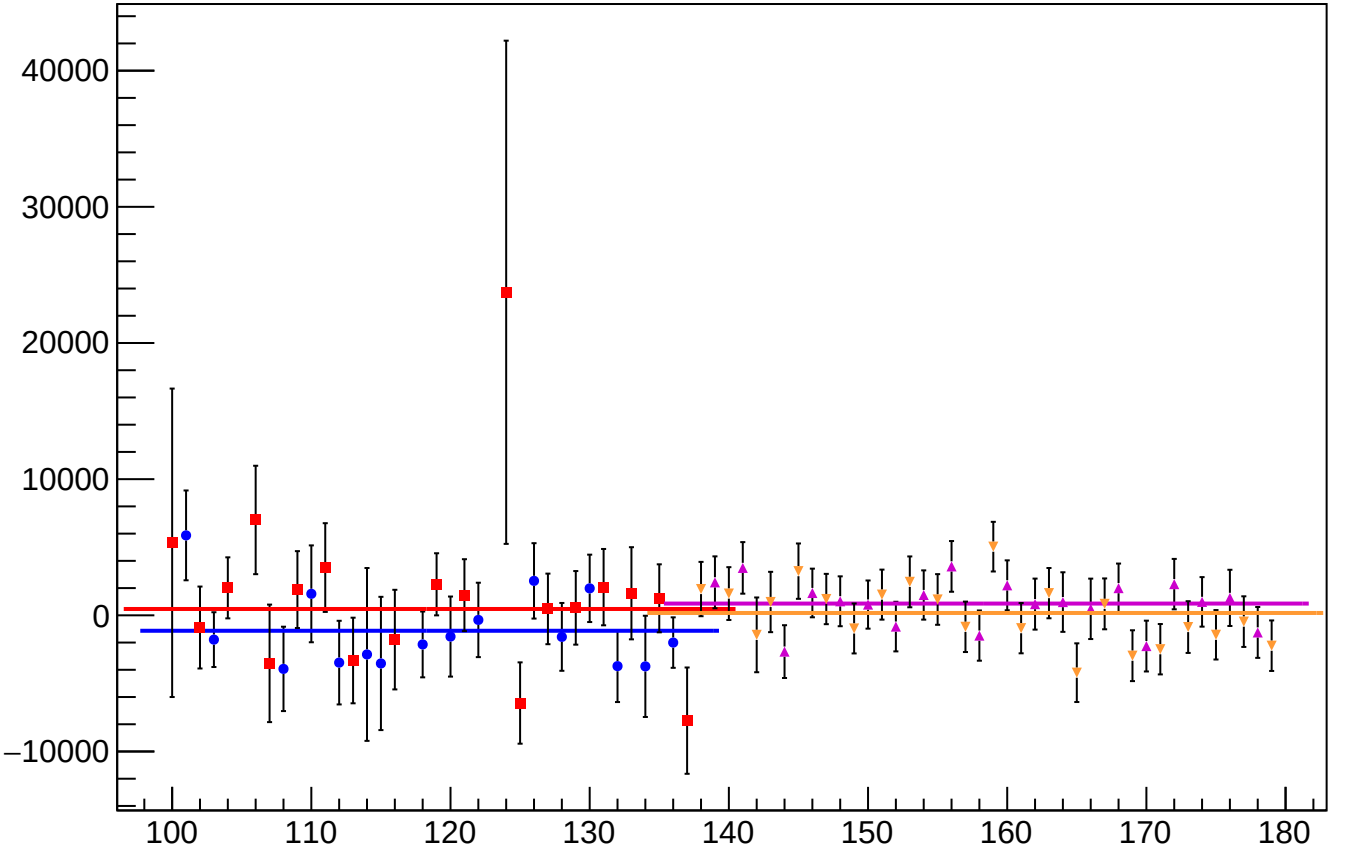
Left In: 3937.214+/-0.707 χ^2/NDF:1406498.8/19

+ sign 3961.079+/-0.579 χ^2/NDF: 2029254.4/37

All: 1967.923+/-0.279 χ^2/NDF: 46142843.1/7

- sign 1363.612+/-0.319 χ^2/NDF: 28692765.1/38

cor_asym_atl1r2_dd_mean vs Slug



Right In: -1134.203+/-693.782 χ^2/NDF: 12.2/15

Left Out: 173.087+/-408.964 χ^2/NDF:27.5/21

Right Out: 465.899+/-705.928 χ^2/NDF: 20.0/18

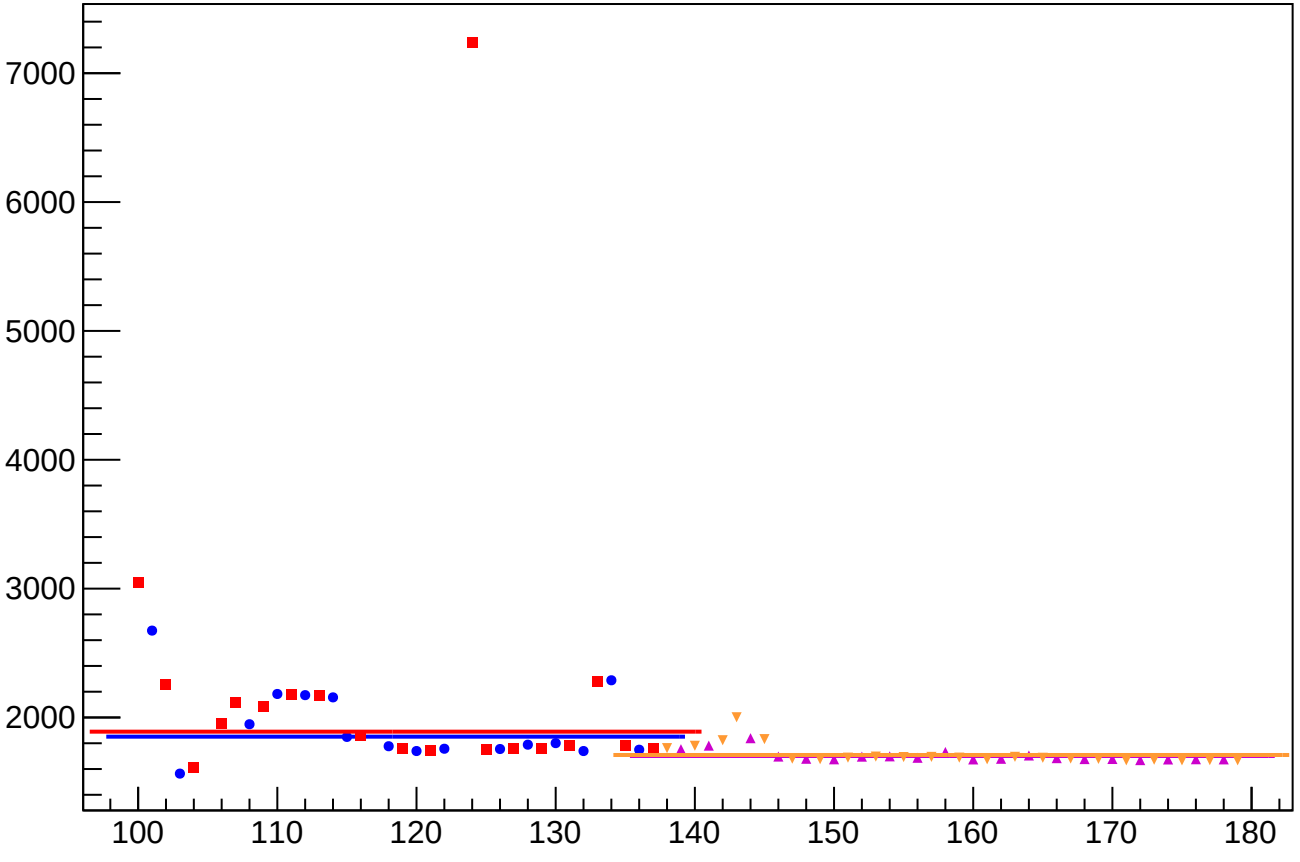
Left In: 863.293+/-420.867 χ^2/NDF:16.5/19

+ sign -164.026+/-352.310 χ^2/NDF: 42.4/37

All: 285.650+/-252.306 χ^2/NDF: 82.6/76

- sign 759.083+/-361.496 χ^2/NDF: 36.8/38

cor_asym_atl1r2_dd_rms vs Slug



Right In: 1851.131+/-0.491 χ^2/NDF: 259980.7/15

Left Out: 1708.923+/-0.289 χ^2/NDF:58517.8/21

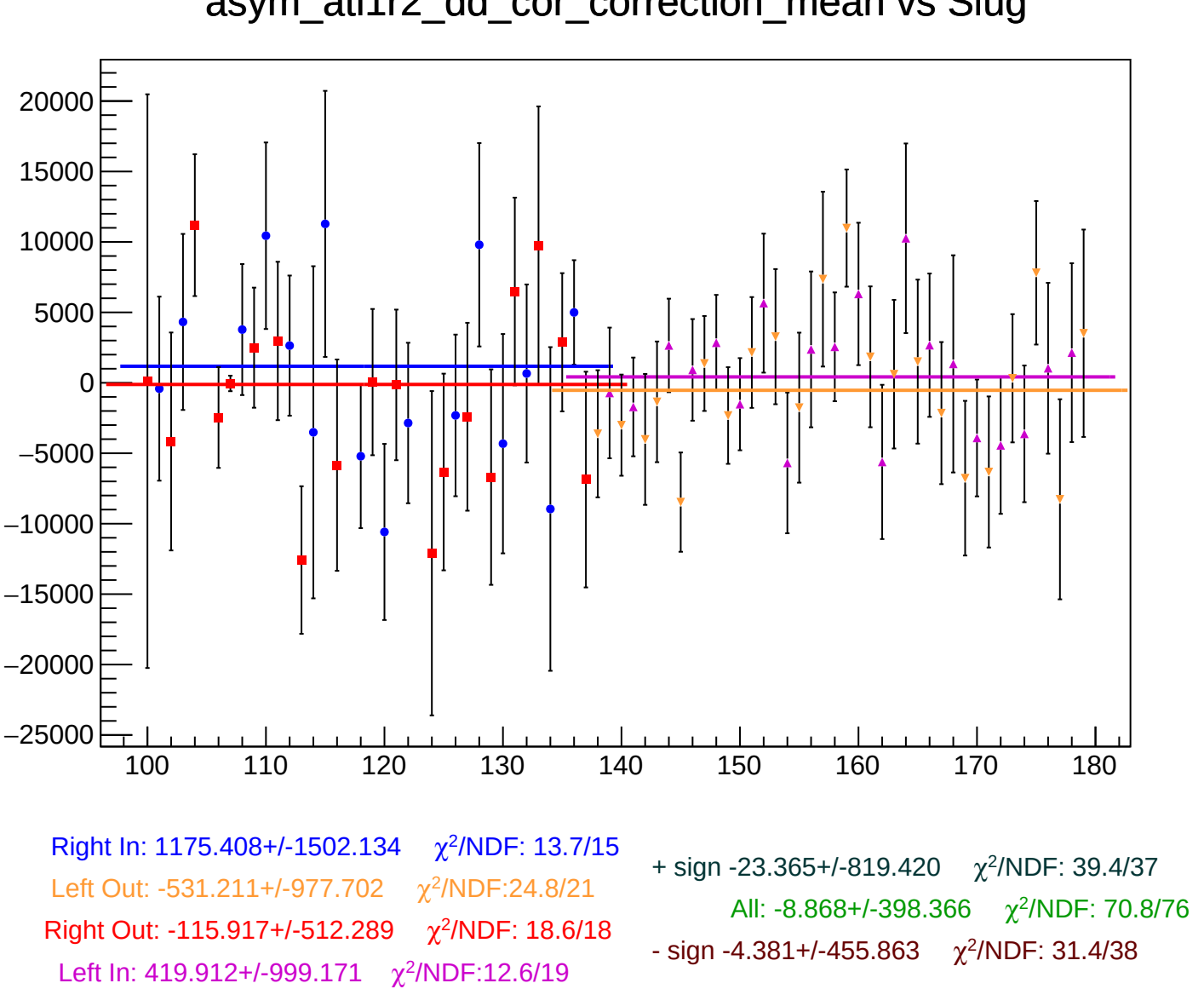
Right Out: 1889.986+/-0.498 χ^2/NDF: 359122.3/18

Left In: 1701.061+/-0.298 χ^2/NDF:19885.6/19

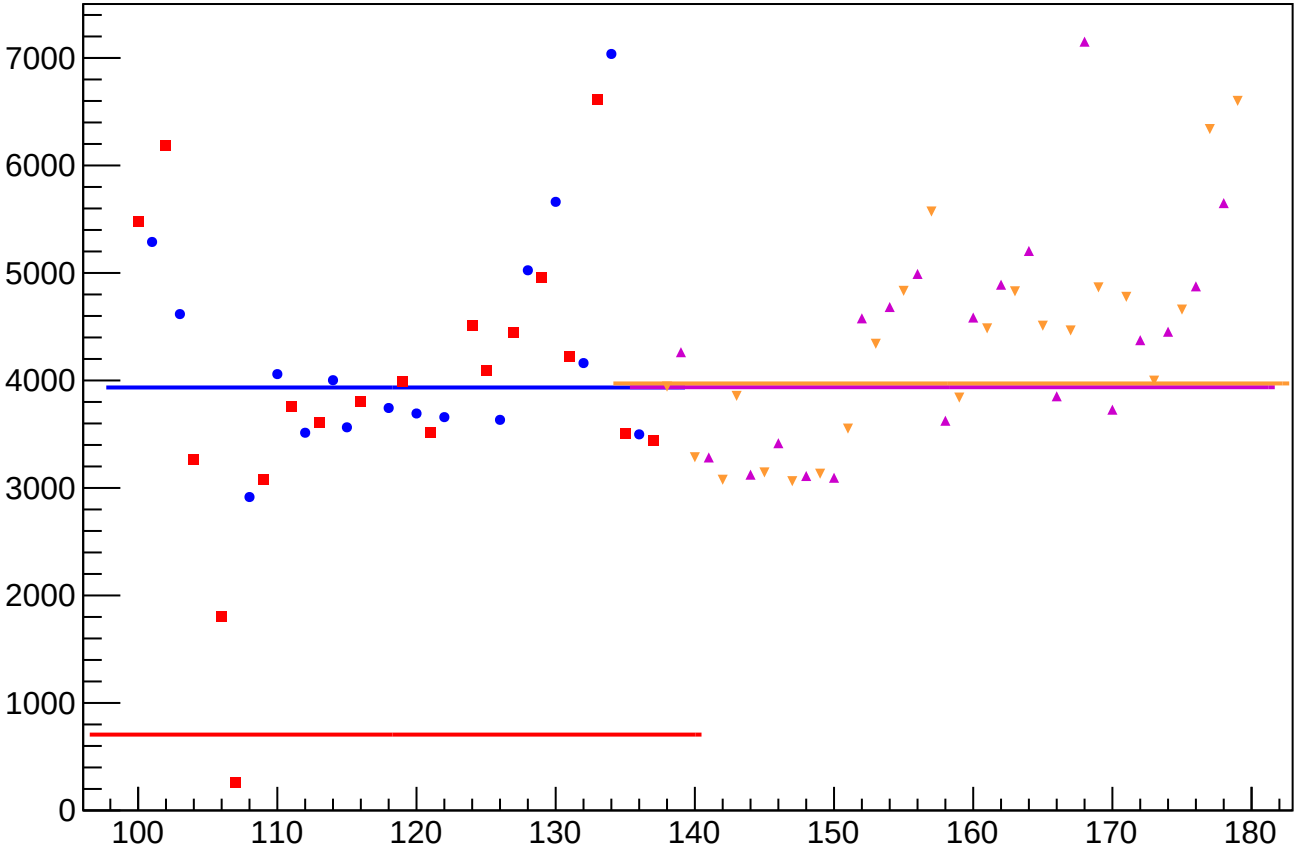
+ sign 1745.595+/-0.249 χ^2/NDF: 380858.7/37

All: 1748.111+/-0.178 χ^2/NDF: 866086.3/76

- sign 1750.757+/-0.255 χ^2/NDF: 485018.2/38


asym_atl1r2_dd_cor_correction_mean vs Slug
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
160
170
180
Right In: 1175.408+/-1502.134 χ²/NDF: 13.7/15
Left Out: -531.211+/-977.702 χ²/NDF:24.8/21
Right Out: -115.917+/-512.289 χ²/NDF: 18.6/18
Left In: 419.912+/-999.171 χ²/NDF:12.6/19
+ sign -23.365+/-819.420 χ²/NDF: 39.4/37
All: -8.868+/-398.366 χ²/NDF: 70.8/76
- sign -4.381+/-455.863 χ²/NDF: 31.4/38

asym_atl1r2_dd_cor_correction_rms vs Slug



Right In: 3934.727+/-1.062 χ^2/NDF: 560149.8/15

Left Out: 3972.236+/-0.691 χ^2/NDF:1468267.2/21

Right Out: 705.620+/-0.362 χ^2/NDF: 10747208.1/18

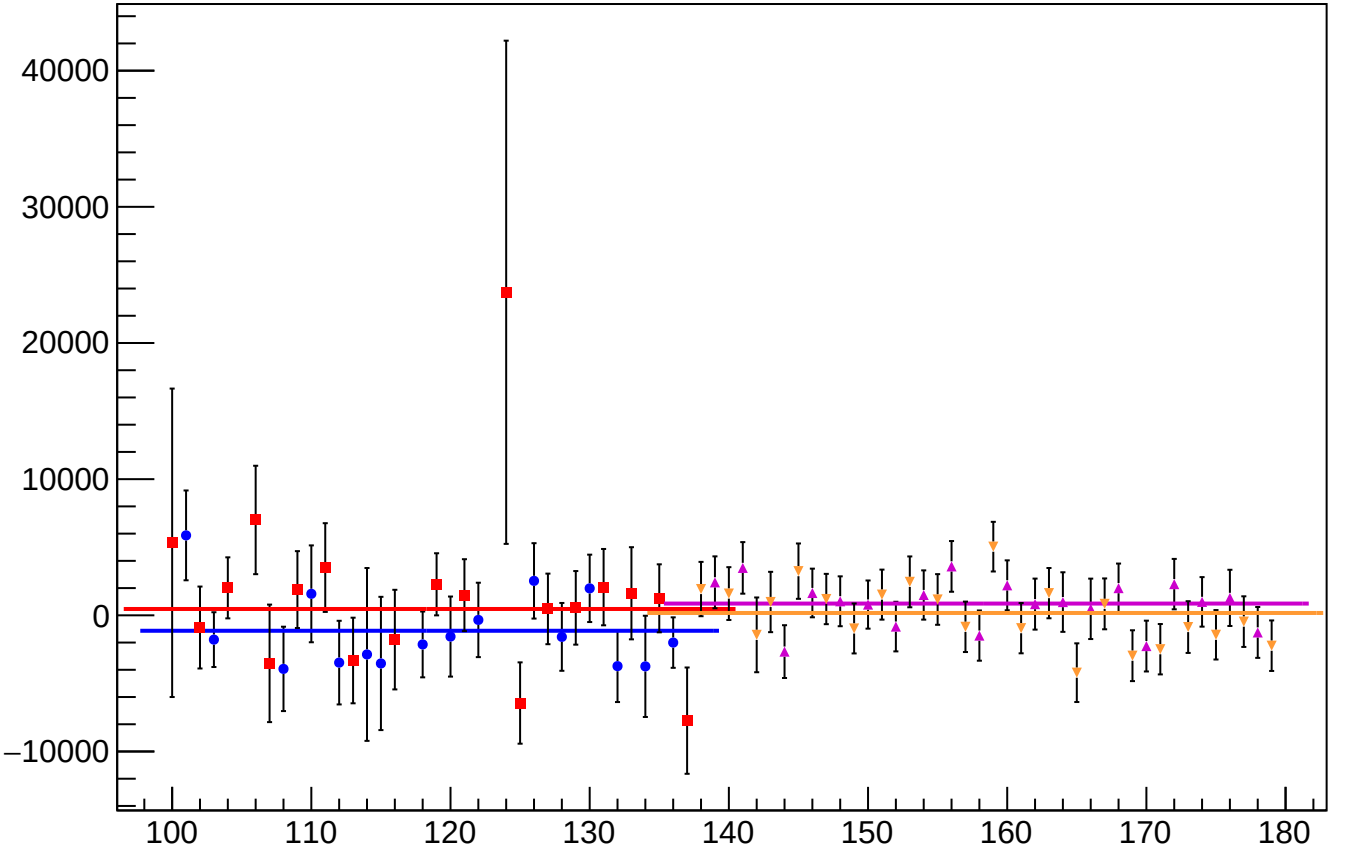
Left In: 3937.213+/-0.707 χ^2/NDF:1406483.7/19

+ sign 3961.074+/-0.579 χ^2/NDF: 2029293.0/37

All: 1988.731+/-0.282 χ^2/NDF: 45922702.2/7

- sign 1378.297+/-0.322 χ^2/NDF: 28719887.3/38

eigen_cor_asym_atl1r2_dd_mean vs Slug



Right In: -1134.203+/-693.782 χ^2/NDF: 12.2/15

Left Out: 173.087+/-408.964 χ^2/NDF:27.5/21

Right Out: 465.899+/-705.928 χ^2/NDF: 20.0/18

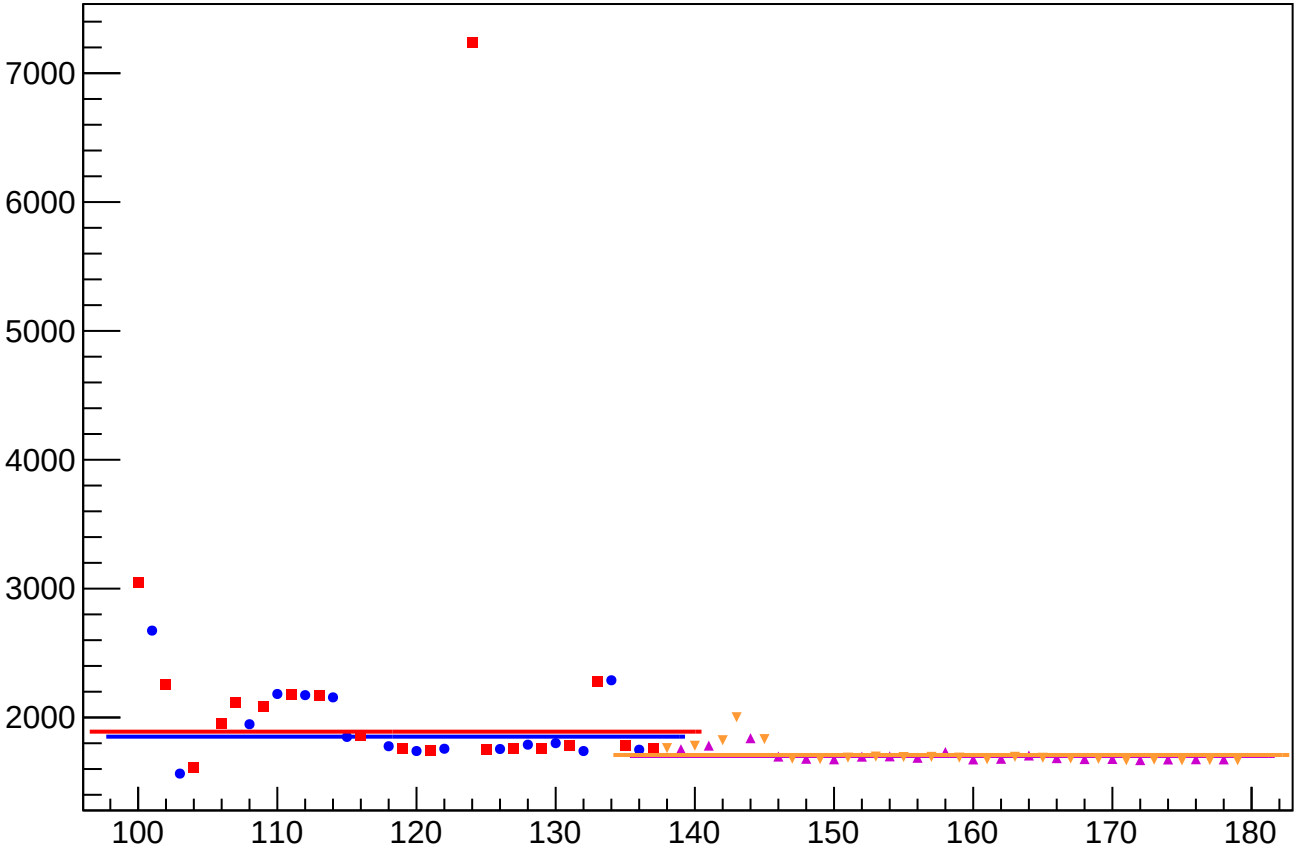
Left In: 863.293+/-420.867 χ^2/NDF:16.5/19

+ sign -164.026+/-352.310 χ^2/NDF: 42.4/37

All: 285.650+/-252.306 χ^2/NDF: 82.6/76

- sign 759.083+/-361.496 χ^2/NDF: 36.8/38

eigen_cor_asym_atl1r2_dd_rms vs Slug



Right In: 1851.131+/-0.491 χ^2/NDF: 259980.7/15

Left Out: 1708.923+/-0.289 χ^2/NDF:58517.8/21

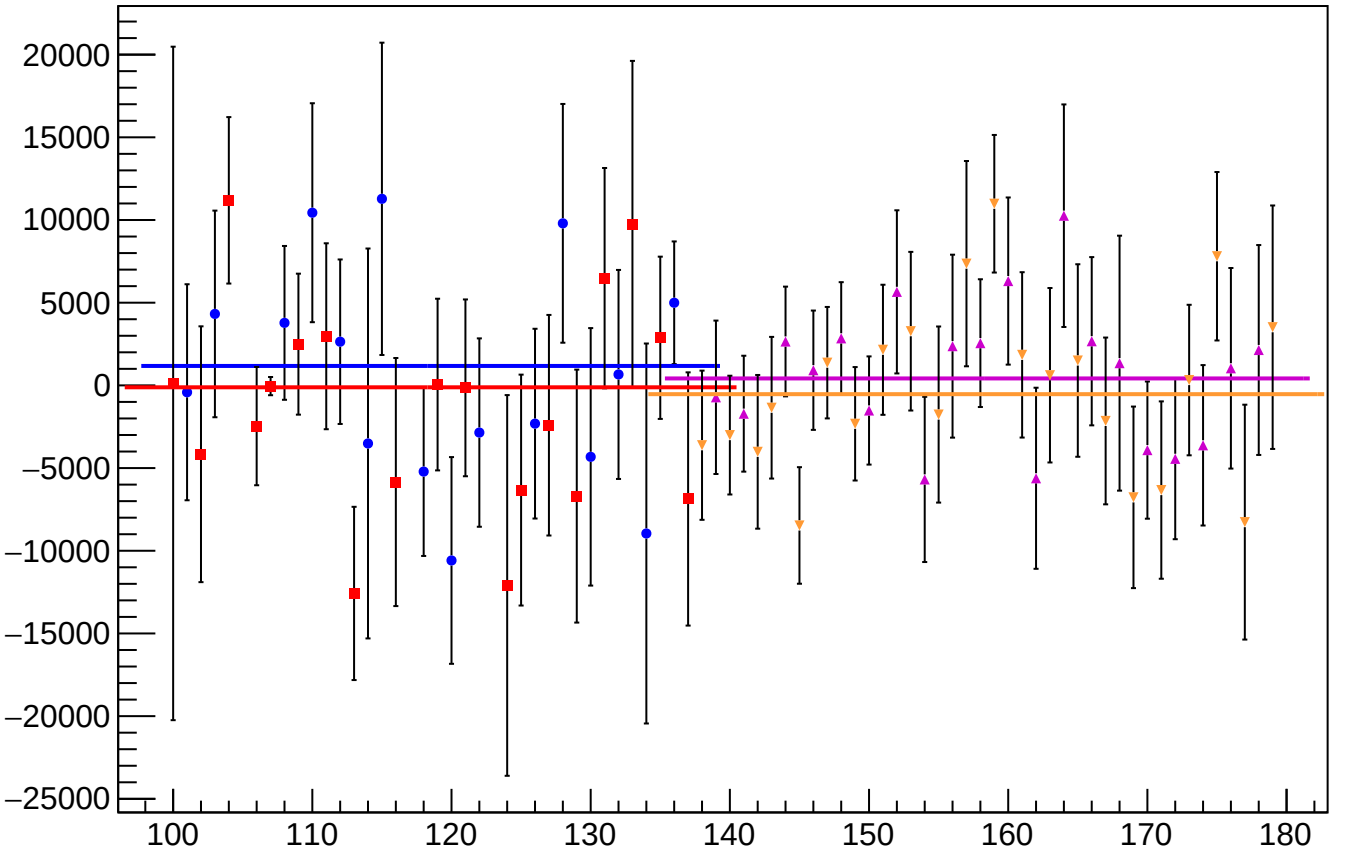
Right Out: 1889.986+/-0.498 χ^2/NDF: 359122.3/18

Left In: 1701.061+/-0.298 χ^2/NDF:19885.6/19

+ sign 1745.595+/-0.249 χ^2/NDF: 380858.7/37

All: 1748.111+/-0.178 χ^2/NDF: 866086.3/76

- sign 1750.757+/-0.255 χ^2/NDF: 485018.2/38



Right In: 1175.408+/-1502.134 χ^2/NDF: 13.7/15

Left Out: -531.211+/-977.702 χ^2/NDF:24.8/21

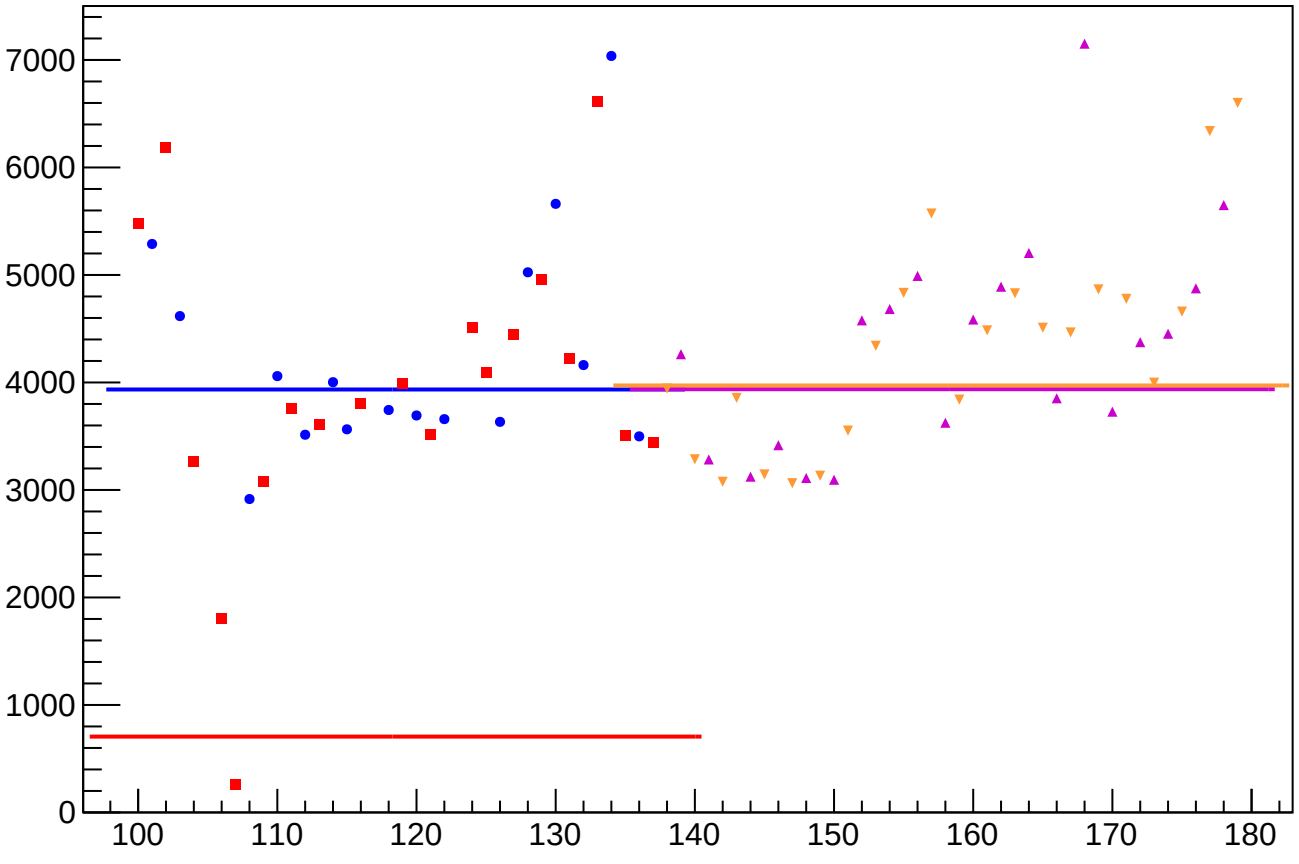
Right Out: -115.917+/-512.289 χ^2/NDF: 18.6/18

Left In: 419.912+/-999.171 χ^2/NDF:12.6/19

+ sign -23.365+/-819.420 χ^2/NDF: 39.4/37

All: -8.868+/-398.366 χ^2/NDF: 70.8/76

- sign -4.381+/-455.863 χ^2/NDF: 31.4/38



Right In: 3934.727+/-1.062 χ^2/NDF: 560149.8/15

Left Out: 3972.236+/-0.691 χ^2/NDF:1468267.2/21

Right Out: 705.620+/-0.362 χ^2/NDF: 10747208.1/18

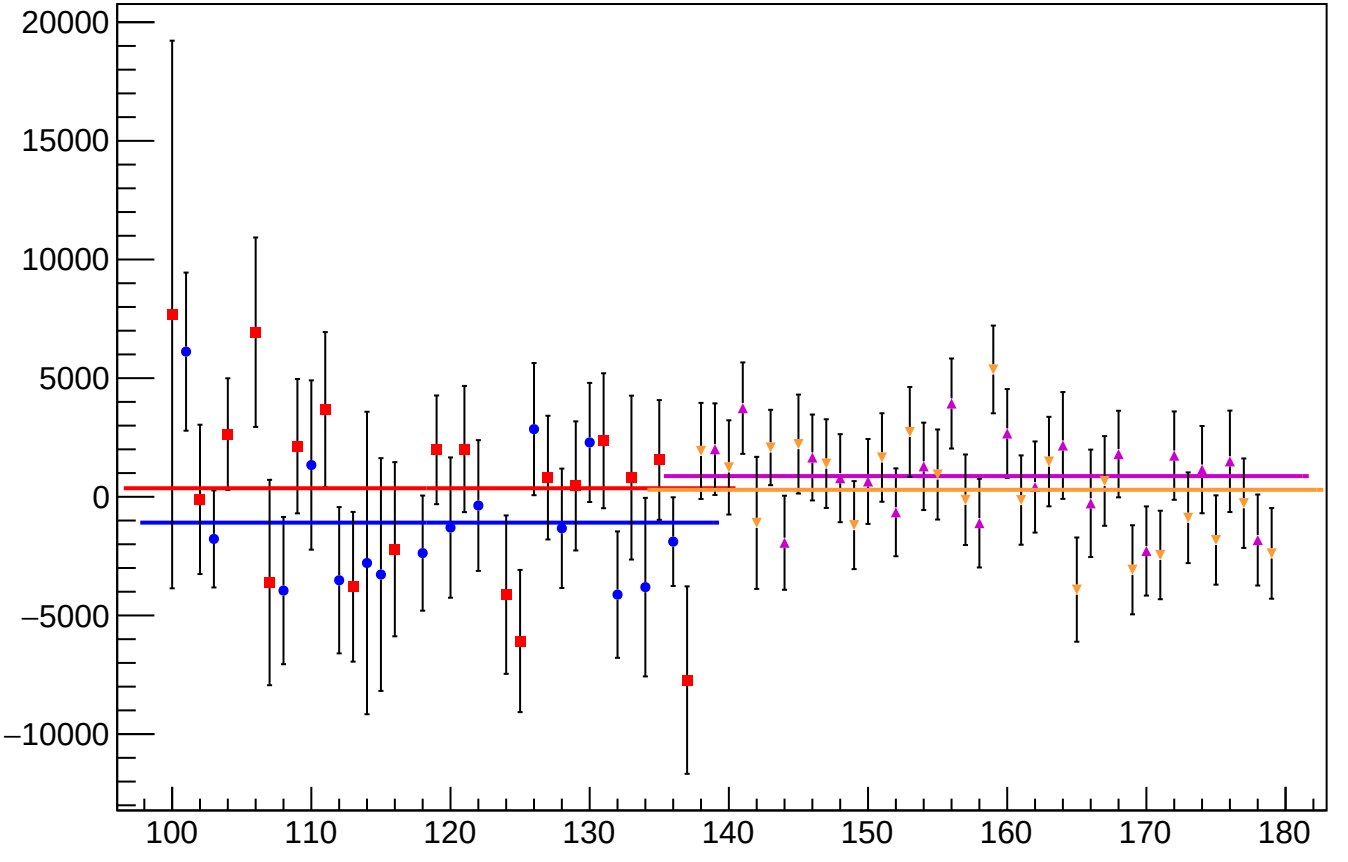
Left In: 3937.213+/-0.707 χ^2/NDF:1406483.7/19

+ sign 3961.074+/-0.579 χ^2/NDF: 2029293.0/37

All: 1988.731+/-0.282 χ^2/NDF: 45922702.2/7

- sign 1378.297+/-0.322 χ^2/NDF: 28719887.3/38

dit_asym_atl1r2_dd_mean vs Slug



Right In: -1087.731+/-699.579 χ^2/NDF: 13.2/15

Left Out: 294.863+/-409.069 χ^2/NDF:27.4/21

Right Out: 361.218+/-699.665 χ^2/NDF: 20.8/18

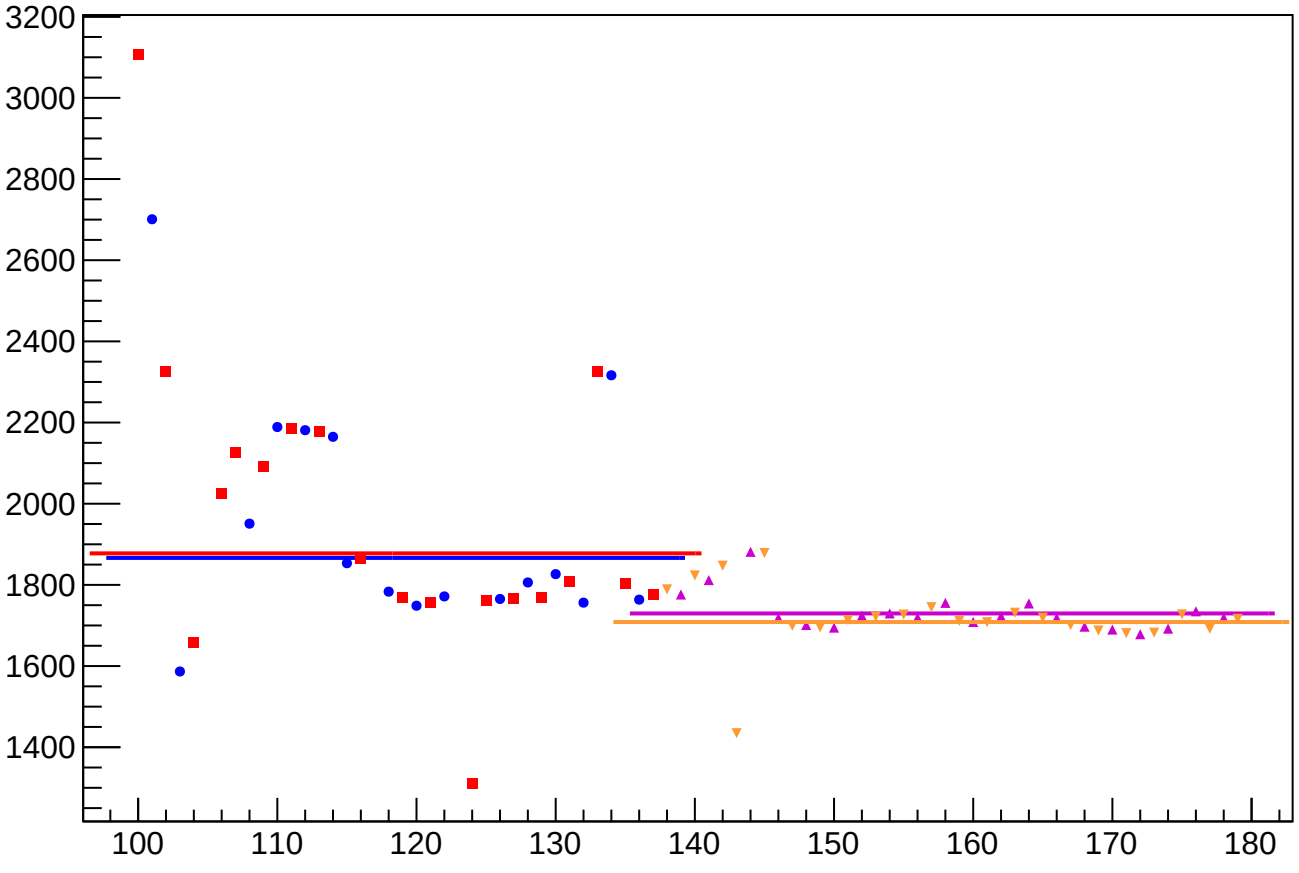
Left In: 873.210+/-427.969 χ^2/NDF:16.2/19

\+ sign -57.418+/-353.129 χ^2/NDF: 43.5/37

All: 325.026+/-253.822 χ^2/NDF: 83.3/76

\- sign 733.807+/-365.086 χ^2/NDF: 37.4/38

dit_asym_atl1r2_dd_rms vs Slug



Right In: 1866.456+/-0.495 χ^2/NDF: 256262.4/15

Left Out: 1708.459+/-0.289 χ^2/NDF:90613.5/21

Right Out: 1877.659+/-0.494 χ^2/NDF: 251850.5/18

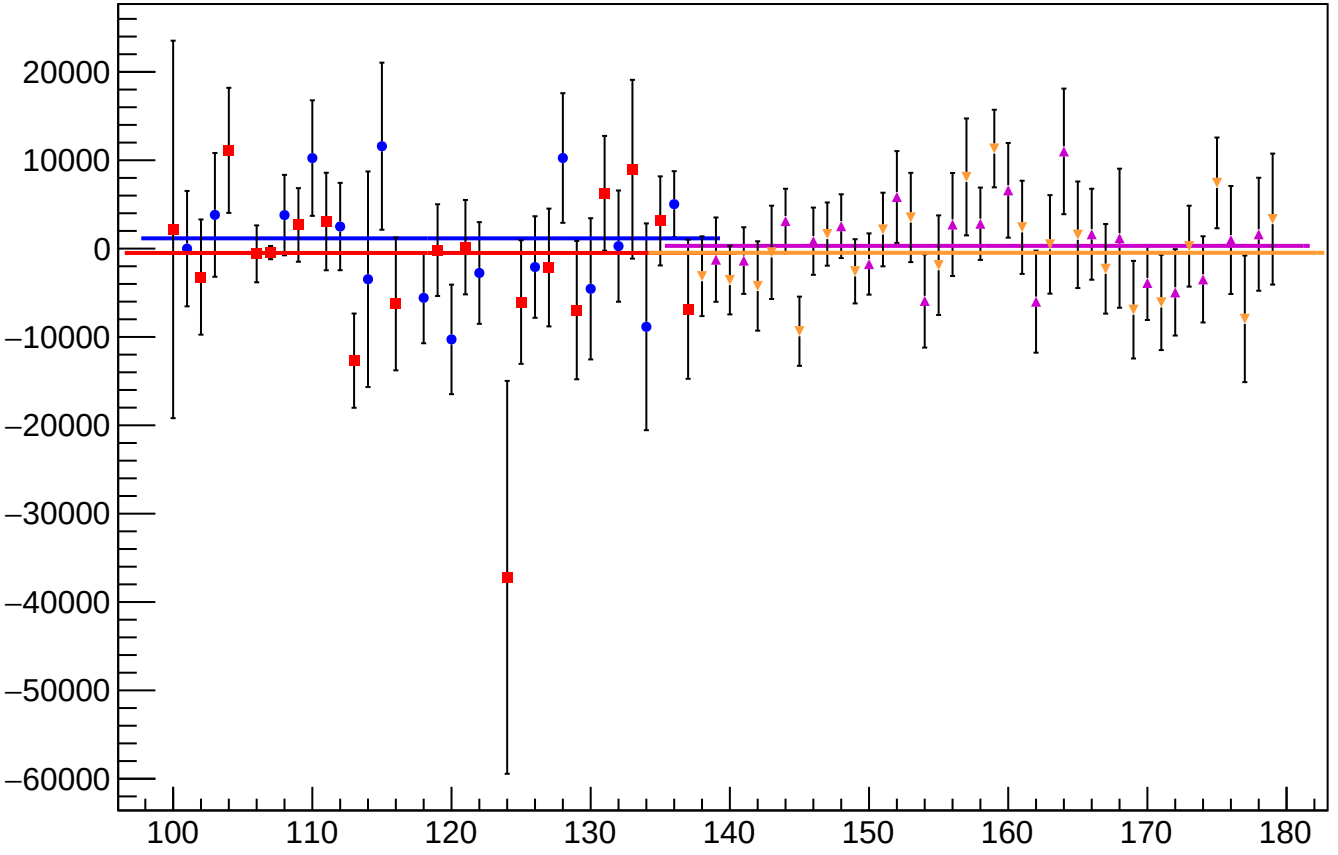
Left In: 1729.615+/-0.303 χ^2/NDF:22825.3/19

+ sign 1748.716+/-0.250 χ^2/NDF: 422896.0/37

All: 1758.993+/-0.179 χ^2/NDF: 766316.4/76

- sign 1769.972+/-0.258 χ^2/NDF: 339916.8/38

asym_atl1r2_dd_dit_correction_mean vs Slug



Right In: 1161.124+/-1512.225 χ^2/NDF: 13.7/15

Left Out: -475.629+/-1032.923 χ^2/NDF:24.1/21

Right Out: -492.907+/-658.510 χ^2/NDF: 16.9/18

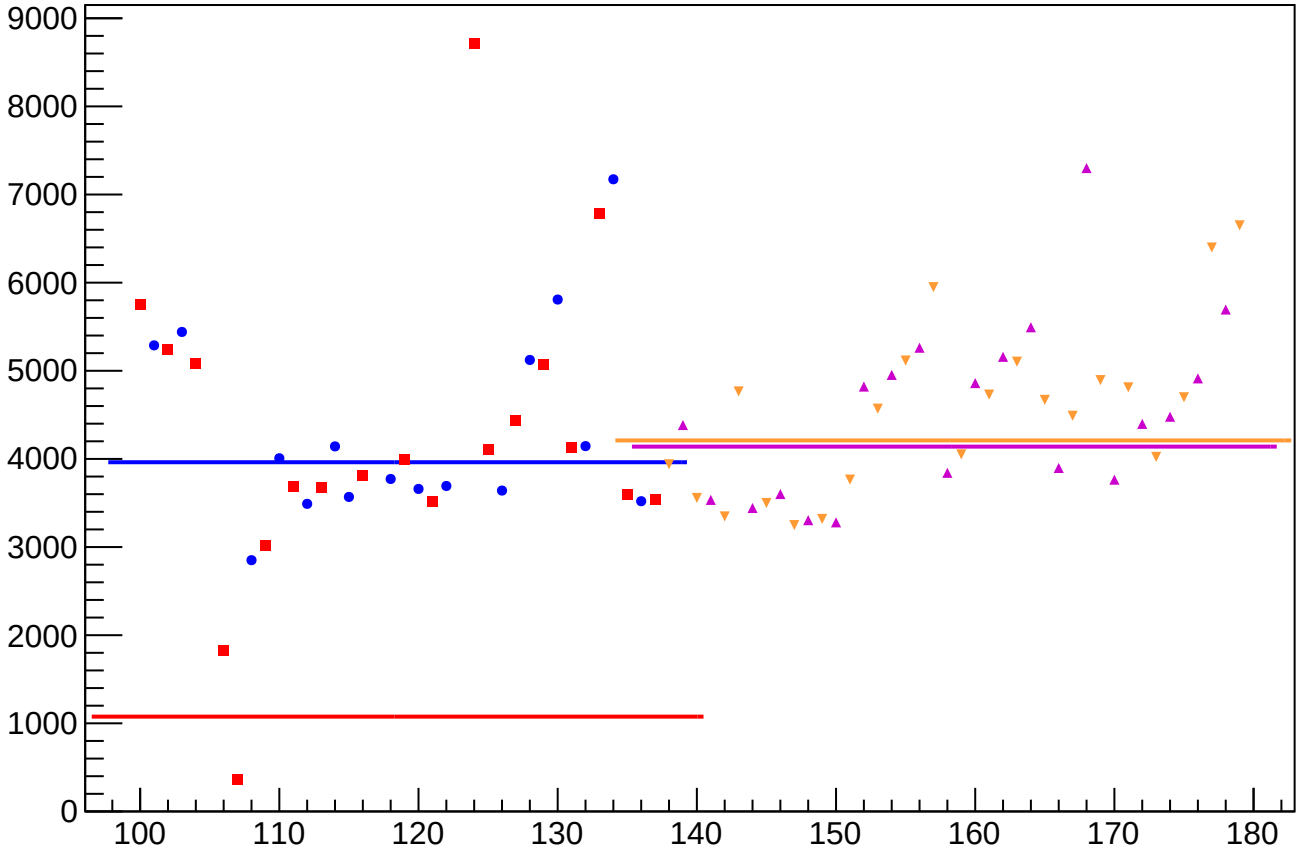
Left In: 310.043+/-1047.914 χ^2/NDF:12.5/19

+ sign 45.071+/-852.941 χ^2/NDF: 38.6/37

All: -172.586+/-466.695 χ^2/NDF: 68.5/76

- sign -265.594+/-557.562 χ^2/NDF: 29.8/38

asym_atl1r2_dd_dit_correction_rms vs Slug



Right In: 3962.368+/-1.069 χ^2/NDF: 668339.6/15

Left Out: 4209.993+/-0.730 χ^2/NDF:1268281.2/21

Right Out: 1075.957+/-0.466 χ^2/NDF: 9558372.9/18

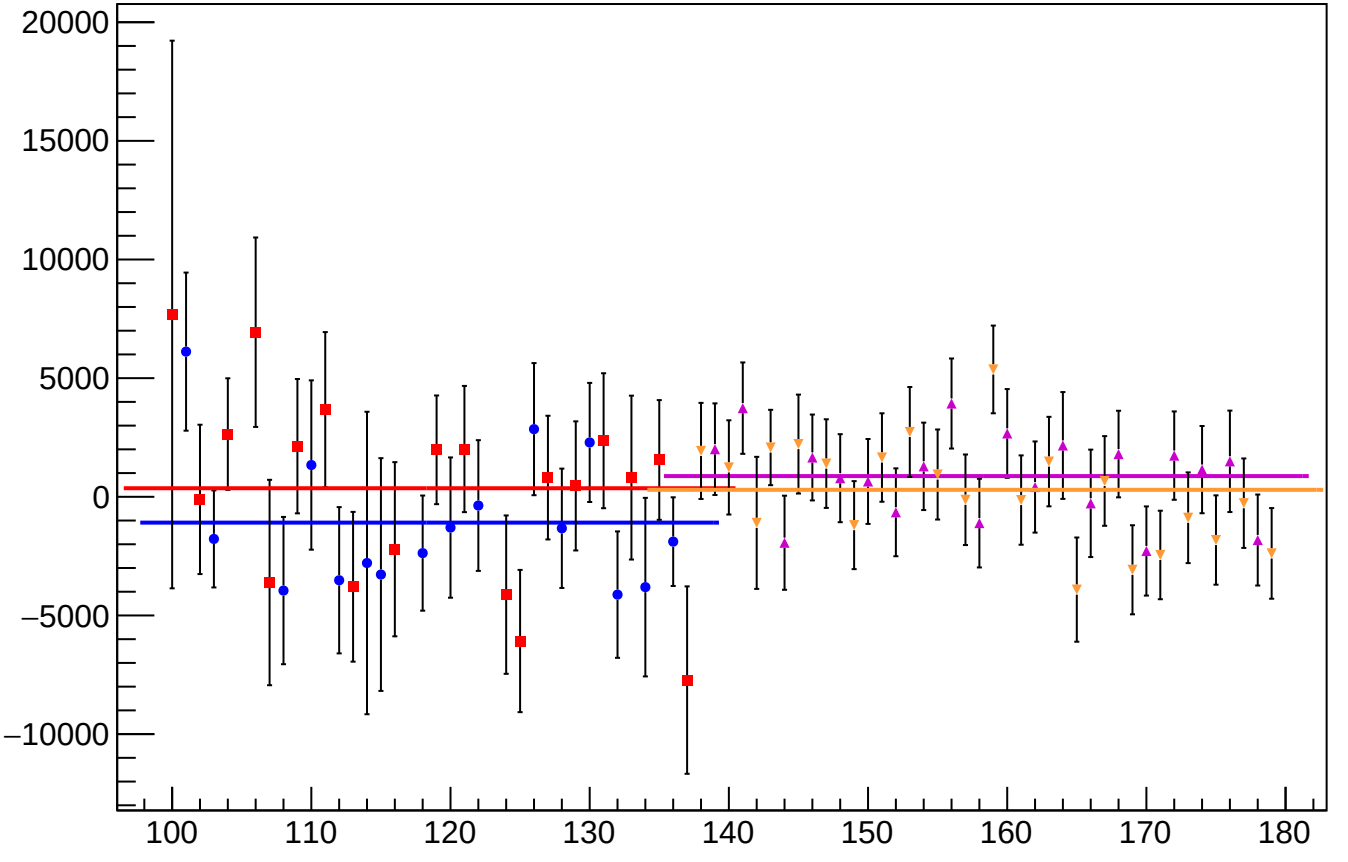
Left In: 4139.670+/-0.741 χ^2/NDF:1245323.4/19

+ sign 4131.216+/-0.603 χ^2/NDF: 1973187.6/37

All: 2598.315+/-0.330 χ^2/NDF: 34252704.9/7

- sign 1943.284+/-0.394 χ^2/NDF: 23059323.8/38

eigen_dit_asym_atl1r2_dd_mean vs Slug



Right In: -1087.736+/-699.579 χ^2/NDF: 13.2/15

Left Out: 294.865+/-409.069 χ^2/NDF:27.4/21

Right Out: 361.223+/-699.665 χ^2/NDF: 20.8/18

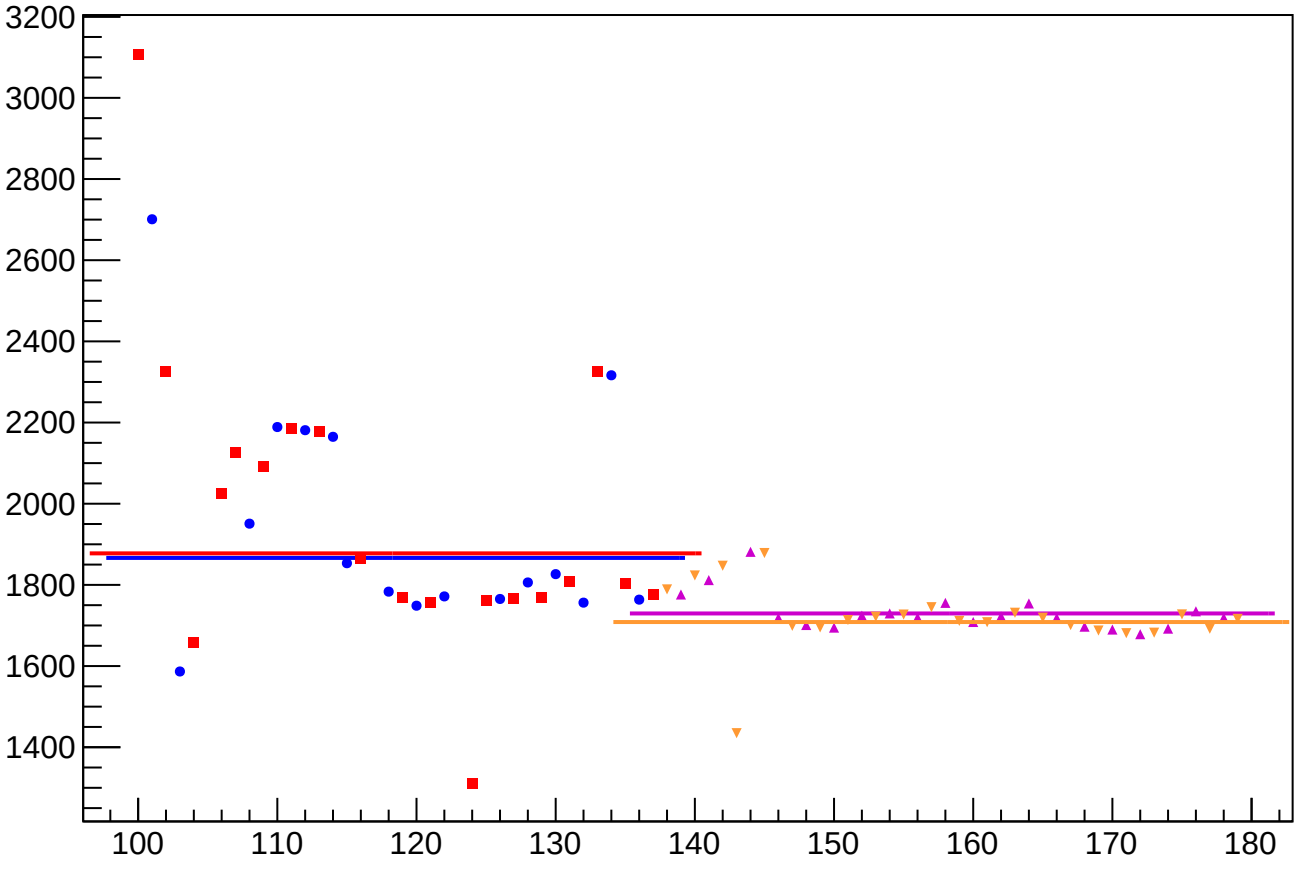
Left In: 873.212+/-427.969 χ^2/NDF:16.2/19

\+ sign -57.417+/-353.129 χ^2/NDF: 43.5/37

All: 325.027+/-253.822 χ^2/NDF: 83.3/76

\- sign 733.809+/-365.086 χ^2/NDF: 37.4/38

eigen_dit_asym_atl1r2_dd_rms vs Slug



Right In: 1866.456+/-0.495 χ^2/NDF: 256262.3/15

Left Out: 1708.460+/-0.289 χ^2/NDF:90612.7/21

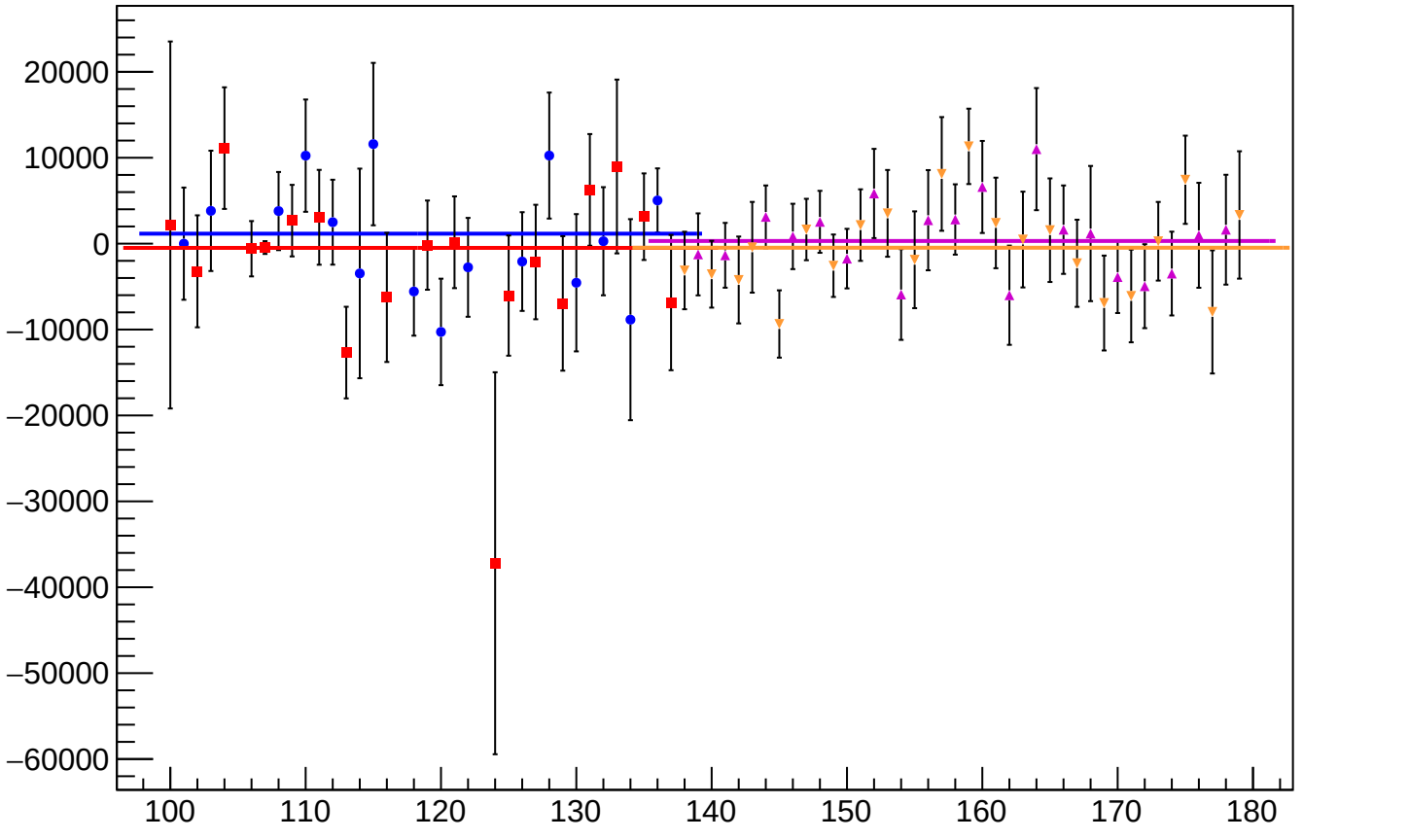
Right Out: 1877.659+/-0.494 χ^2/NDF: 251850.8/18

Left In: 1729.615+/-0.303 χ^2/NDF:22825.3/19

+ sign 1748.716+/-0.250 χ^2/NDF: 422894.3/37

All: 1758.993+/-0.179 χ^2/NDF: 766314.3/76

- sign 1769.973+/-0.258 χ^2/NDF: 339916.6/38



Right In: 1161.104+/-1512.222 χ^2/NDF: 13.7/15

Left Out: -475.630+/-1032.925 χ^2/NDF:24.1/21

Right Out: -492.914+/-658.521 χ^2/NDF: 16.9/18

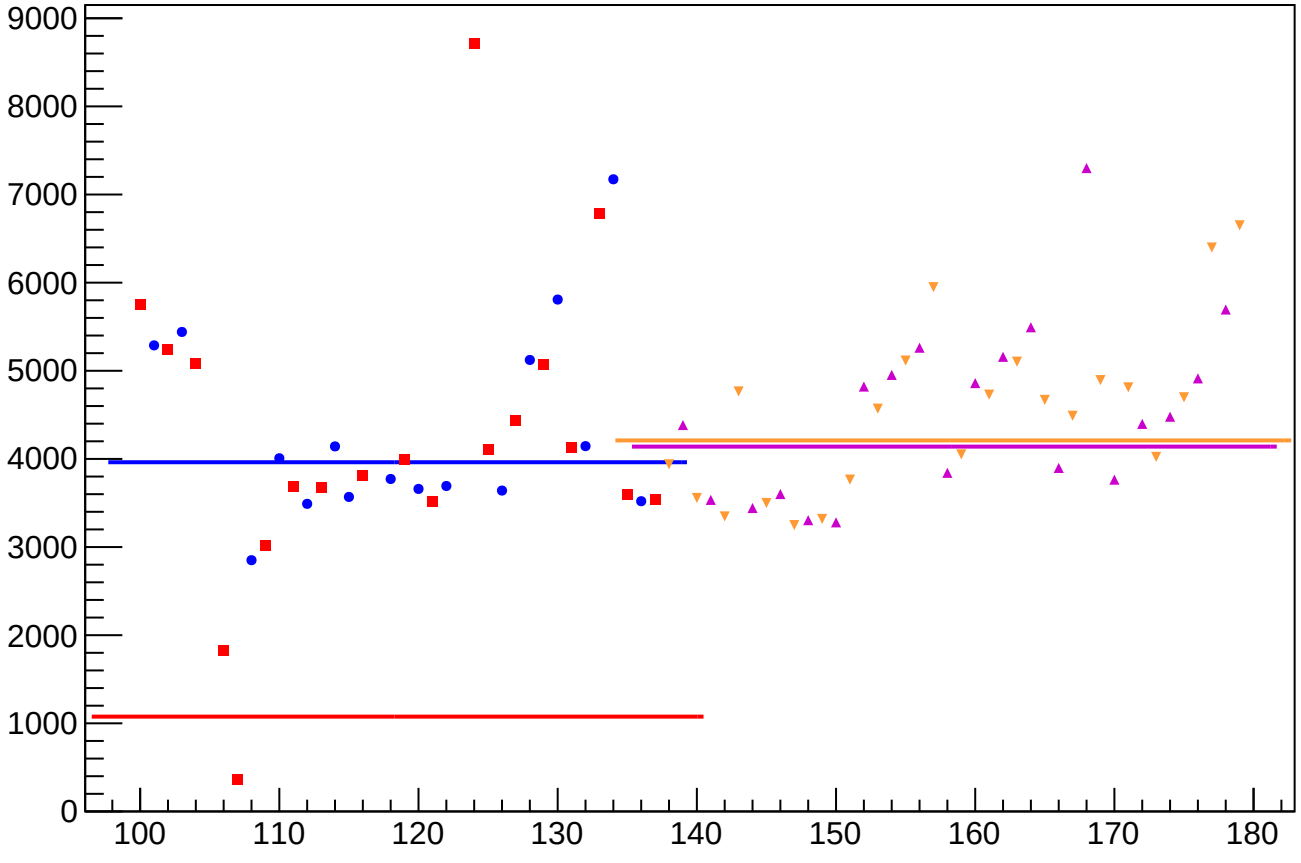
Left In: 310.042+/-1047.915 χ^2/NDF:12.5/19

\+ sign 45.067+/-852.941 χ^2/NDF: 38.6/37

All: -172.587+/-466.699 χ^2/NDF: 68.5/76

\- sign -265.595+/-557.568 χ^2/NDF: 29.8/38

asym_atl1r2_dd_eigen_dit_correction_rms vs Slug



Right In: 3962.361+/-1.069 χ^2/NDF: 668335.9/15

Left Out: 4209.998+/-0.730 χ^2/NDF:1268283.5/21

Right Out: 1075.988+/-0.466 χ^2/NDF: 9558243.3/18

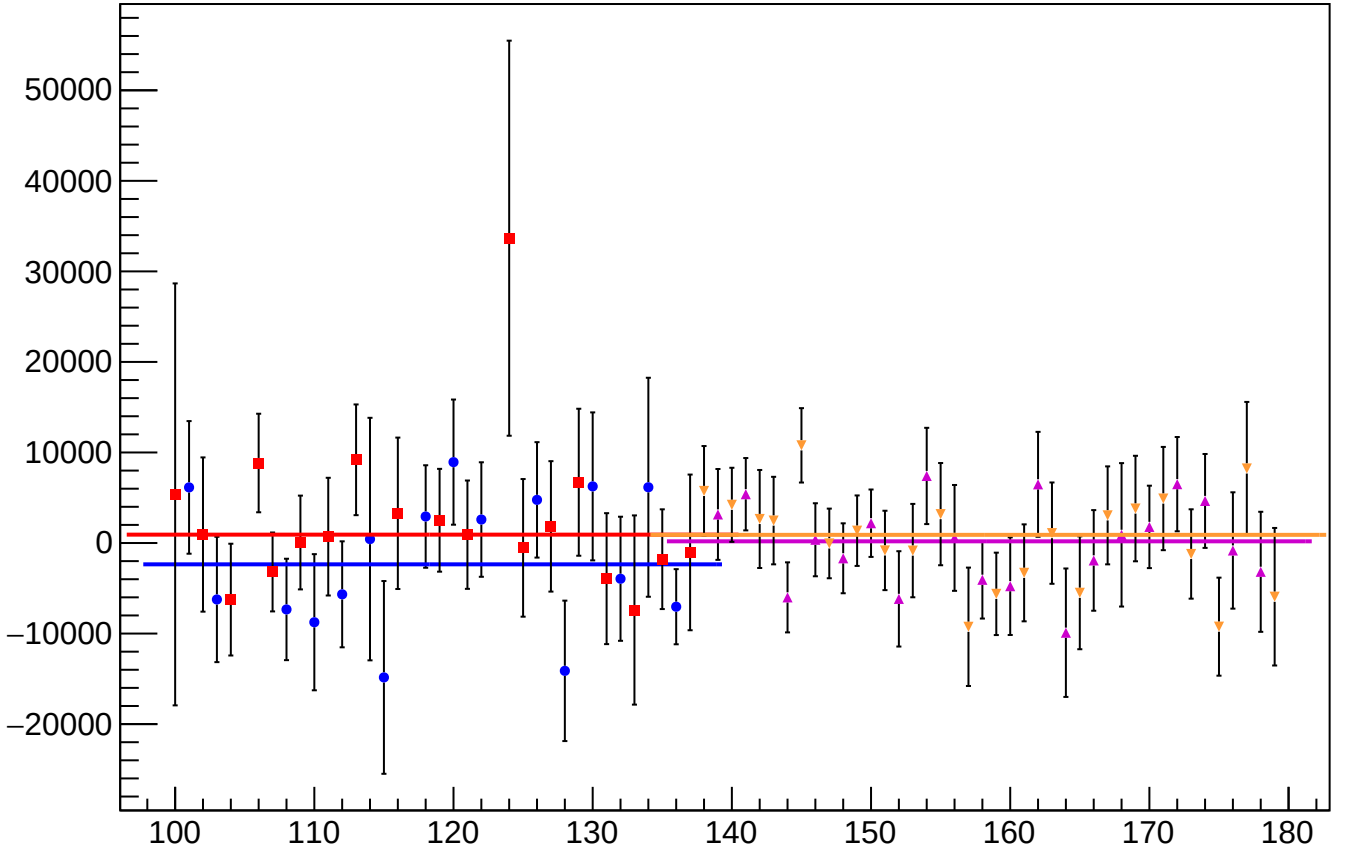
Left In: 4139.675+/-0.741 χ^2/NDF:1245326.8/19

+ sign 4131.217+/-0.603 χ^2/NDF: 1973189.9/37

All: 2598.356+/-0.330 χ^2/NDF: 34251826.5/7

- sign 1943.326+/-0.394 χ^2/NDF: 23058858.5/38

asym_atl1r2_dd_mean vs Slug



Right In: -2354.851+/-1684.784 χ^2/NDF: 15.5/15

Left Out: 902.627+/-1077.781 χ^2/NDF:20.7/21

Right Out: 924.896+/-1546.889 χ^2/NDF: 10.6/18

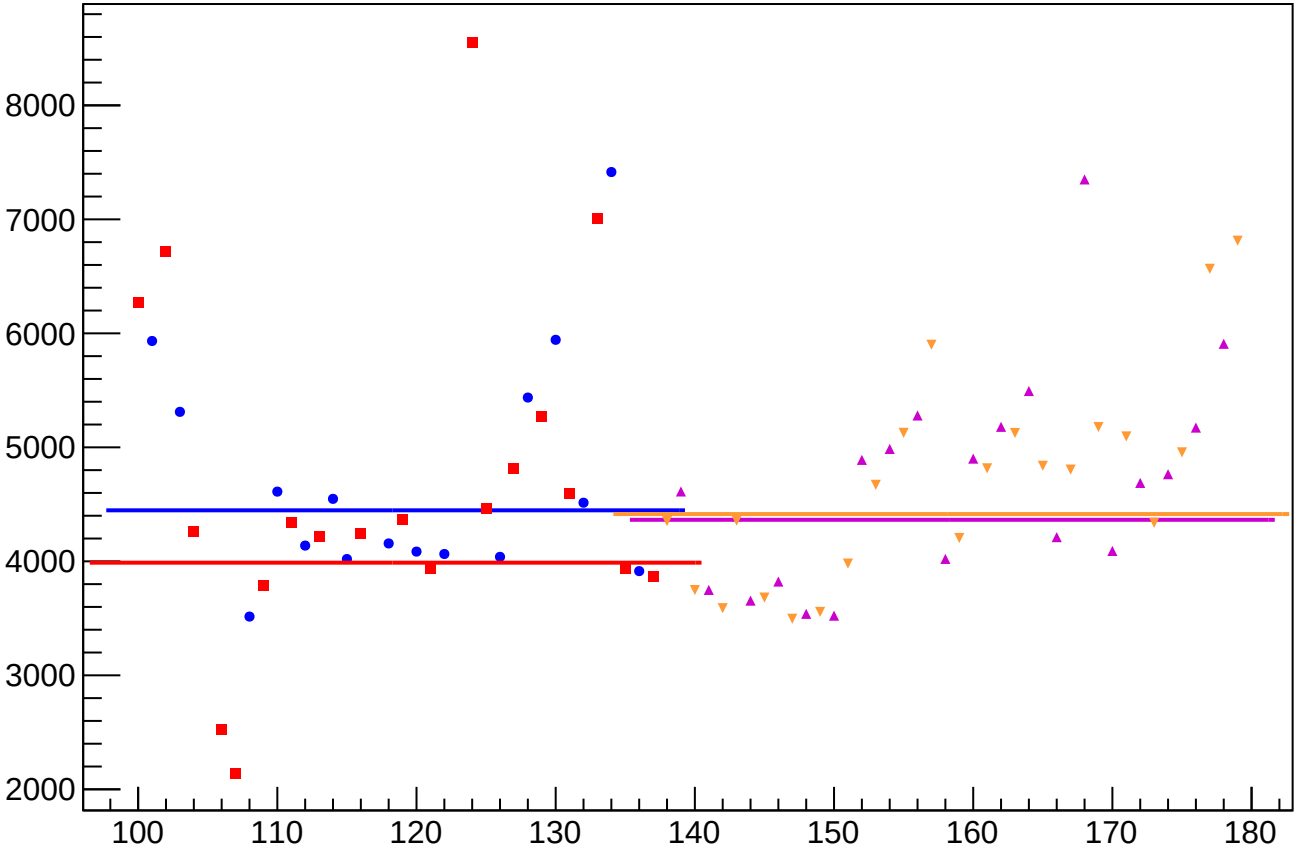
Left In: 186.781+/-1099.689 χ^2/NDF:16.2/19

+ sign -43.329+/-907.902 χ^2/NDF: 38.9/37

All: 198.703+/-637.837 χ^2/NDF: 66.0/76

- sign 434.580+/-896.285 χ^2/NDF: 27.0/38

asym_atl1r2_dd_rms vs Slug



Right In: 4447.424+/-1.191 χ^2/NDF: 458251.2/15

Left Out: 4414.653+/-0.762 χ^2/NDF:1056350.7/21

Right Out: 3988.249+/-1.083 χ^2/NDF: 1143932.4/18

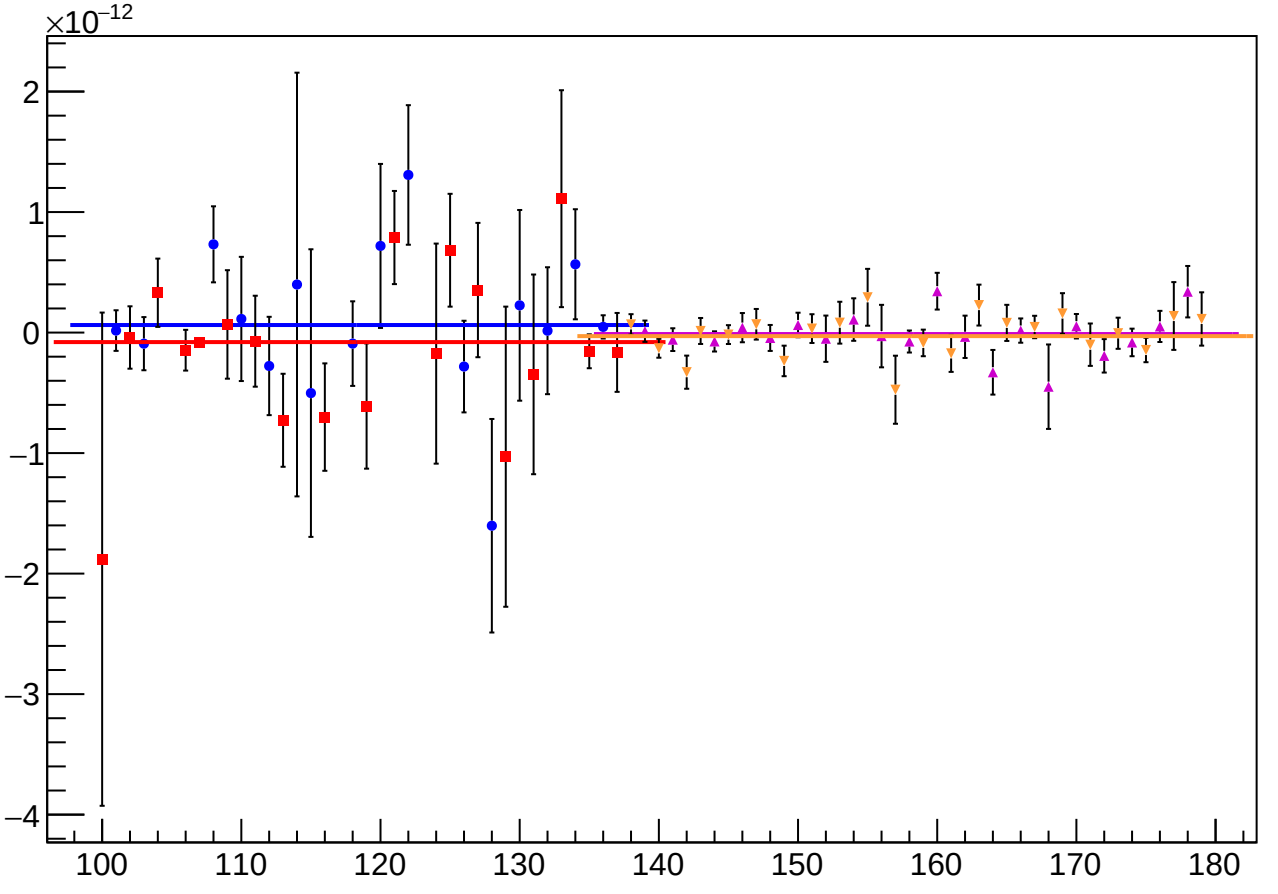
Left In: 4364.234+/-0.778 χ^2/NDF:1021030.8/19

+ sign 4424.169+/-0.642 χ^2/NDF: 1515138.9/37

All: 4328.725+/-0.450 χ^2/NDF: 3803132.2/76

- sign 4236.332+/-0.632 χ^2/NDF: 2244494.2/38

asym_atl1r2_dd_reg_vs_cor_diff_mean vs Slug



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

Left Out: -0.000+/-0.000 χ^2/NDF:24.3/21

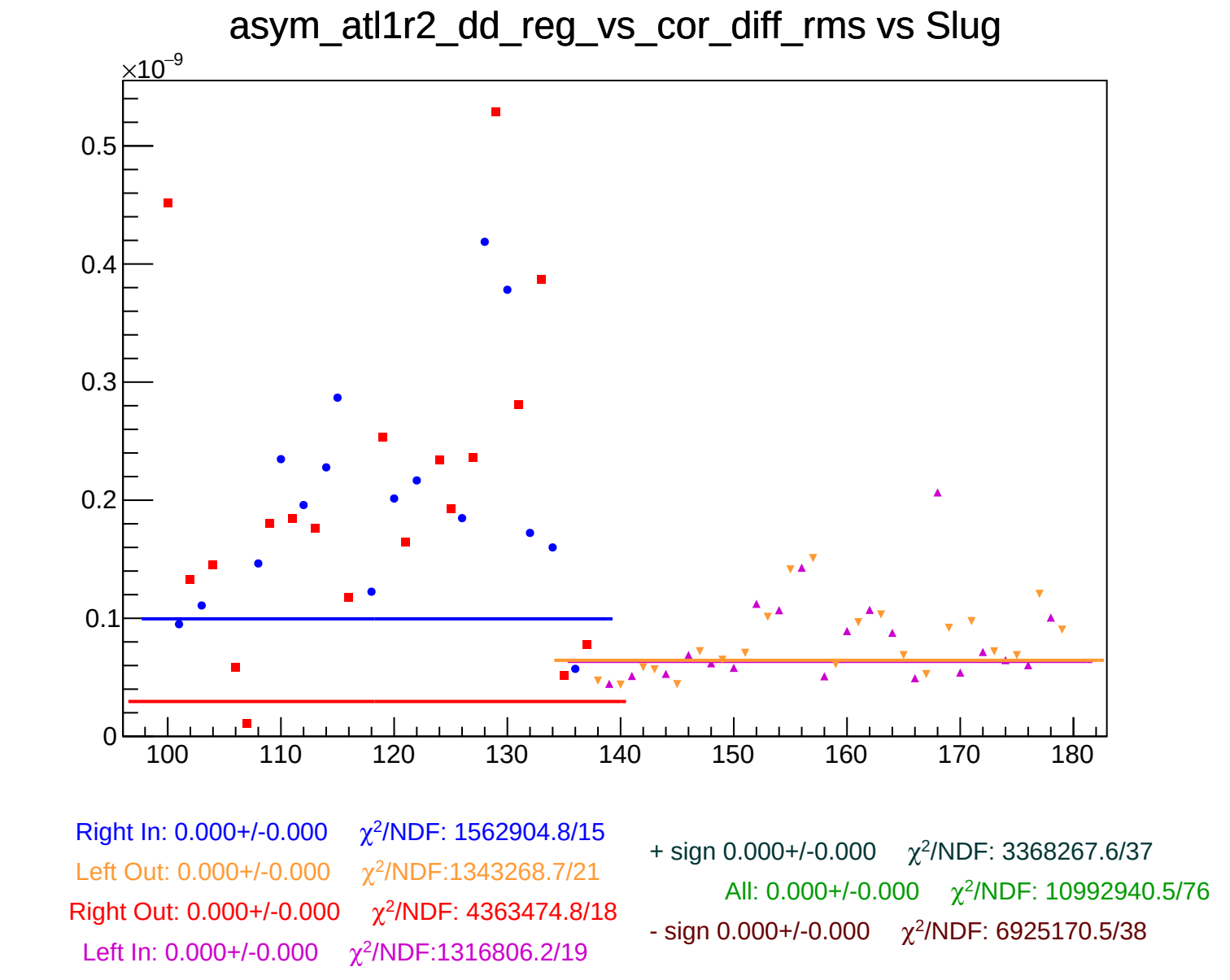
Right Out: -0.000+/-0.000 χ^2/NDF: 20.1/18

Left In: -0.000+/-0.000 χ^2/NDF:18.1/19

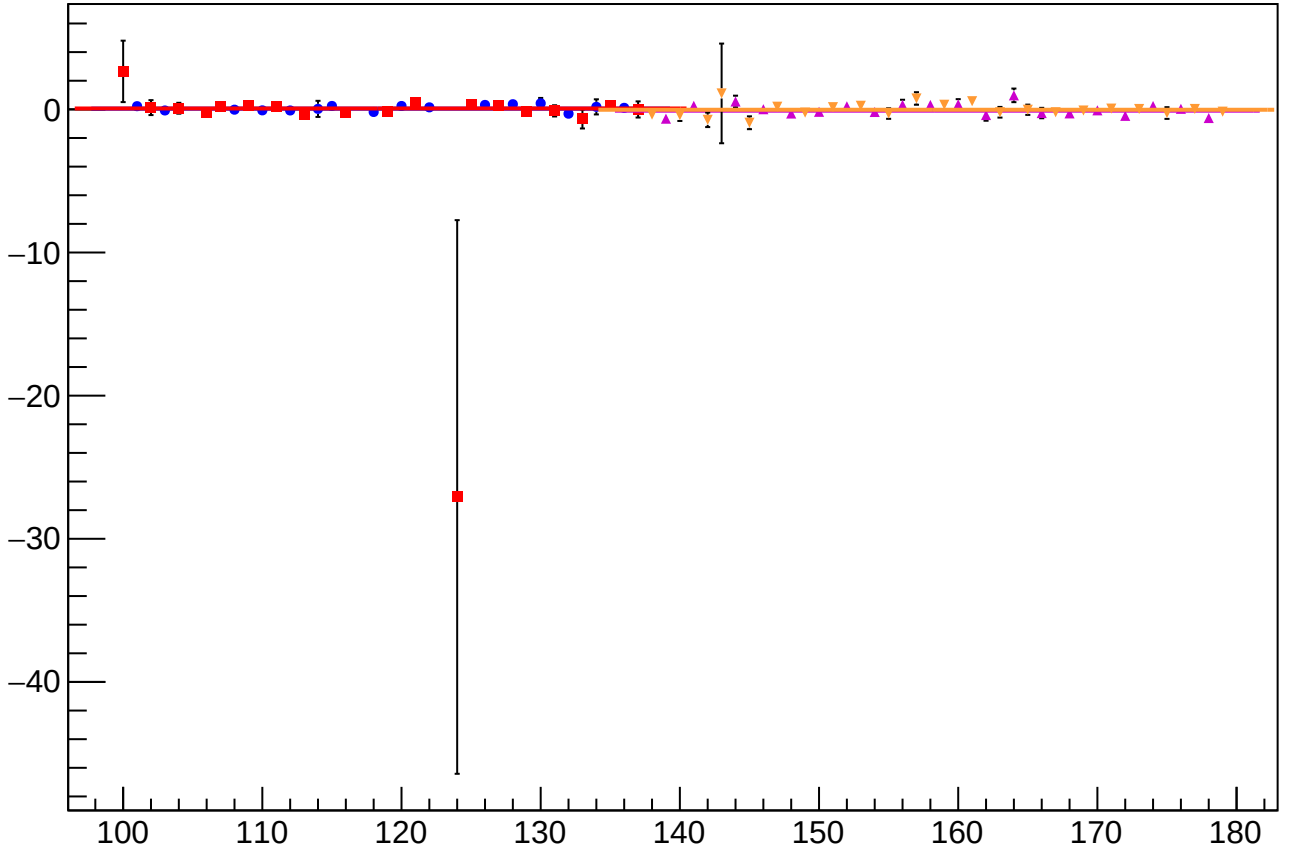
+ sign -0.000+/-0.000 χ^2/NDF: 43.3/37

All: -0.000+/-0.000 χ^2/NDF: 84.3/76

- sign -0.000+/-0.000 χ^2/NDF: 40.6/38


asym_atl1r2_dd_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.5
0.4
0.3
0.2
0.1
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1562904.8/15
Left Out: 0.000+/-0.000 χ²/NDF:1343268.7/21
Right Out: 0.000+/-0.000 χ²/NDF: 4363474.8/18
Left In: 0.000+/-0.000 χ²/NDF:1316806.2/19
+ sign 0.000+/-0.000 χ²/NDF: 3368267.6/37
All: 0.000+/-0.000 χ²/NDF: 10992940.5/76
- sign 0.000+/-0.000 χ²/NDF: 6925170.5/38

asym_atl1r2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.048+/-0.066 χ^2/NDF: 7.6/15

Left Out: -0.028+/-0.063 χ^2/NDF:20.0/21

Right Out: 0.061+/-0.064 χ^2/NDF: 18.4/18

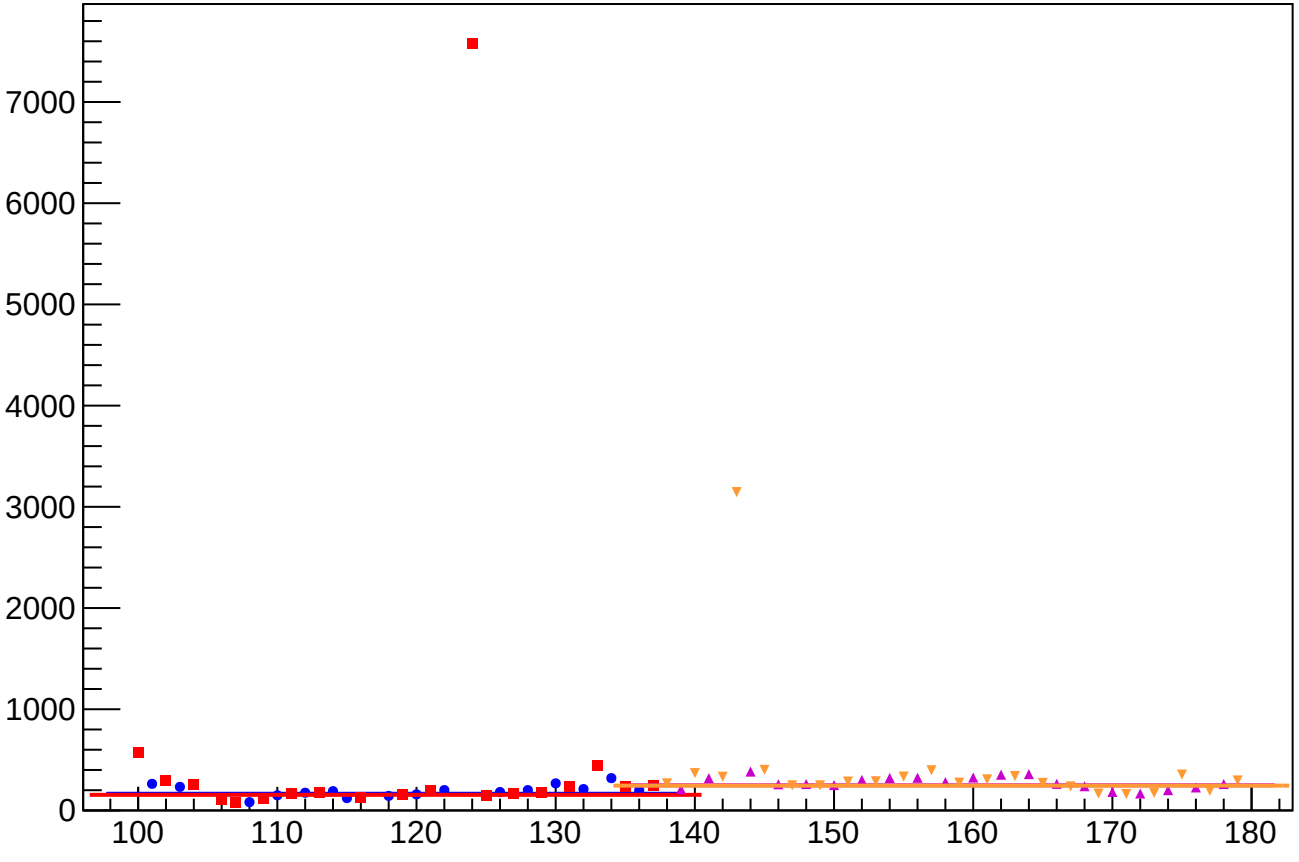
Left In: -0.092+/-0.065 χ^2/NDF:30.1/19

+ sign 0.009+/-0.046 χ^2/NDF: 28.3/37

All: -0.003+/-0.032 χ^2/NDF: 79.8/76

- sign -0.015+/-0.046 χ^2/NDF: 51.4/38

asym_atl1r2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 164.862+/-0.047 χ^2/NDF: 1474718.1/15

Left Out: 245.289+/-0.045 χ^2/NDF:3828544.4/21

Right Out: 154.388+/-0.046 χ^2/NDF: 1921322.6/18

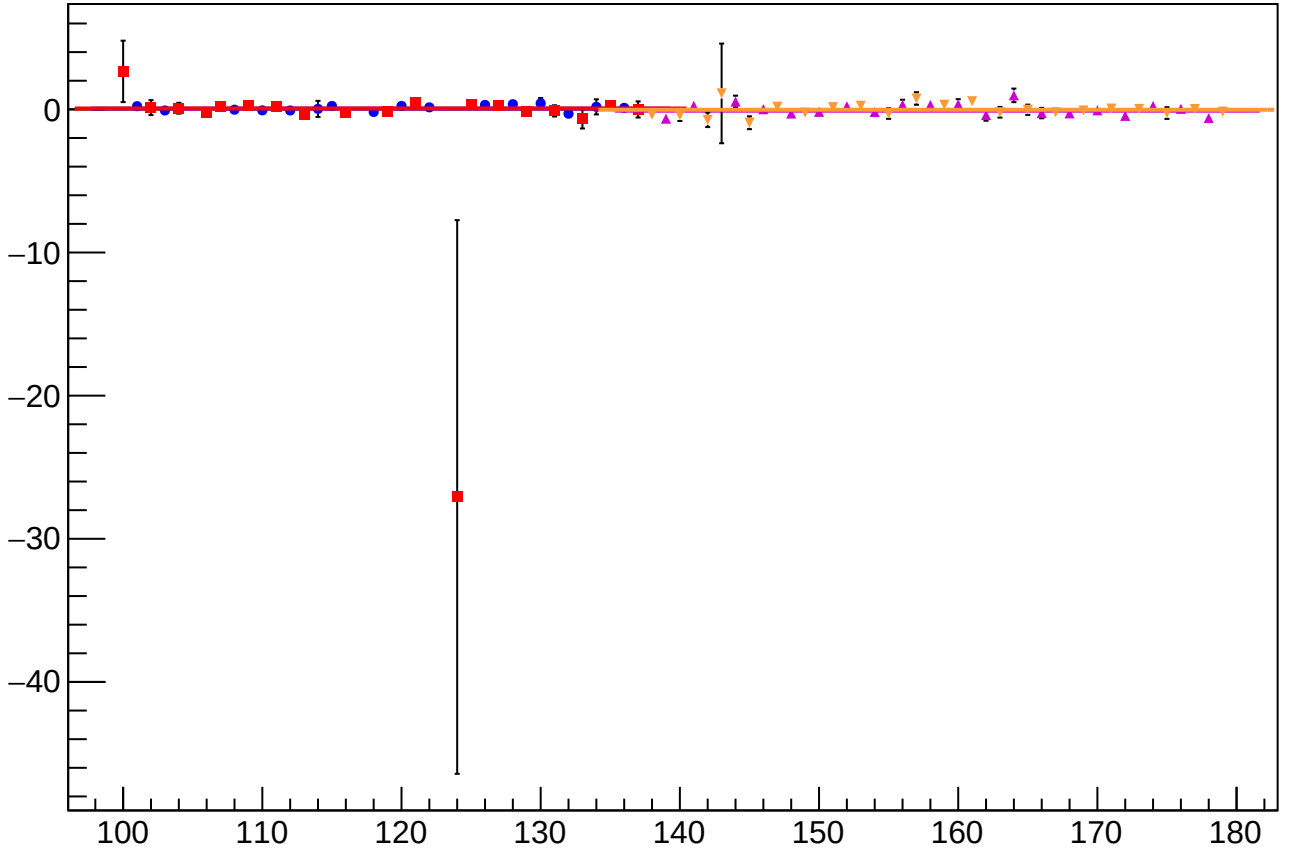
Left In: 248.512+/-0.046 χ^2/NDF:1638250.3/19

+ sign 206.974+/-0.032 χ^2/NDF: 6839360.3/37

All: 204.134+/-0.023 χ^2/NDF: 12544315.1/76

- sign 201.322+/-0.032 χ^2/NDF: 5689668.7/38

asym_atl1r2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.048+/-0.066 χ^2/NDF: 7.6/15

Left Out: -0.028+/-0.063 χ^2/NDF:20.0/21

Right Out: 0.061+/-0.064 χ^2/NDF: 18.4/18

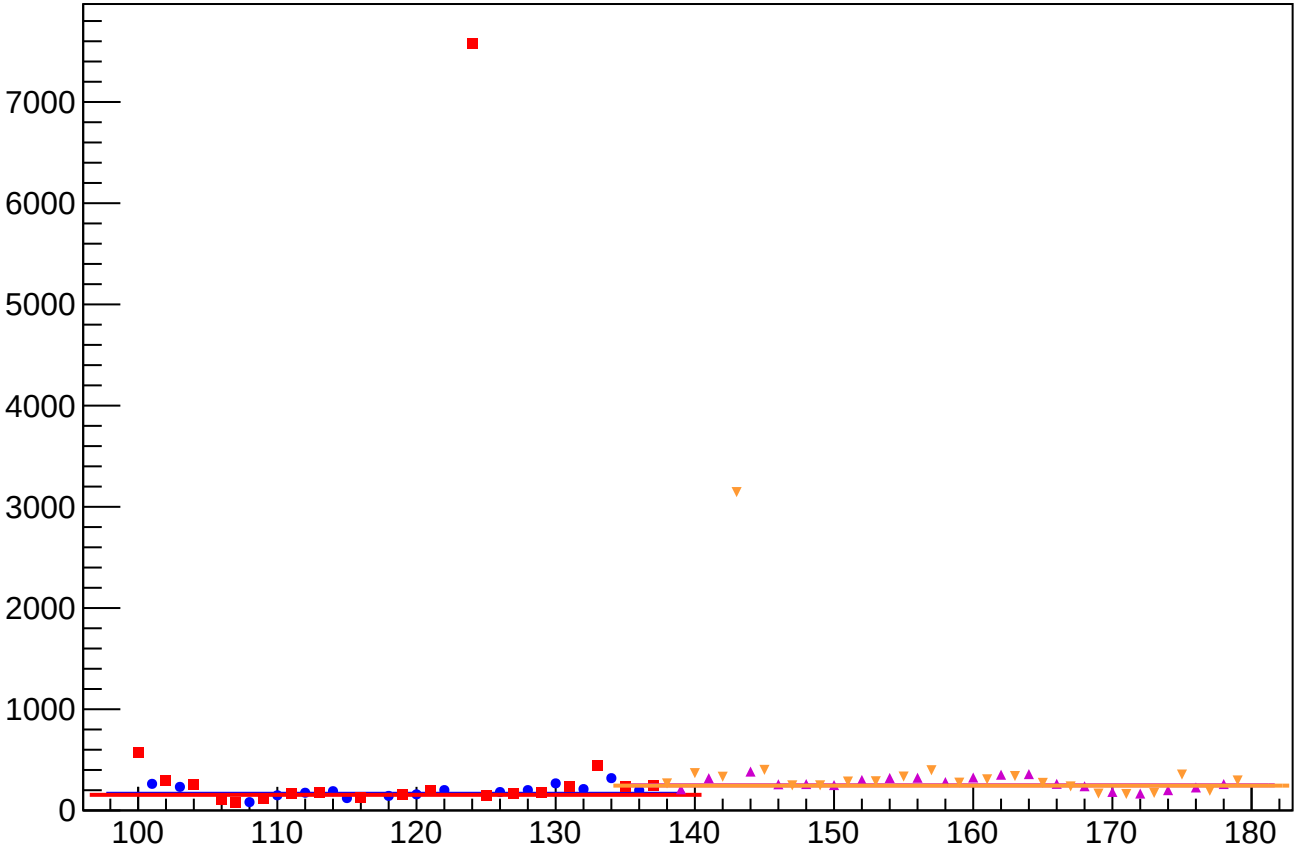
Left In: -0.092+/-0.065 χ^2/NDF:30.1/19

+ sign 0.009+/-0.046 χ^2/NDF: 28.3/37

All: -0.003+/-0.032 χ^2/NDF: 79.8/76

- sign -0.015+/-0.046 χ^2/NDF: 51.4/38

asym_atl1r2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 164.862+/-0.047 χ^2/NDF: 1474718.1/15

Left Out: 245.289+/-0.045 χ^2/NDF:3828544.4/21

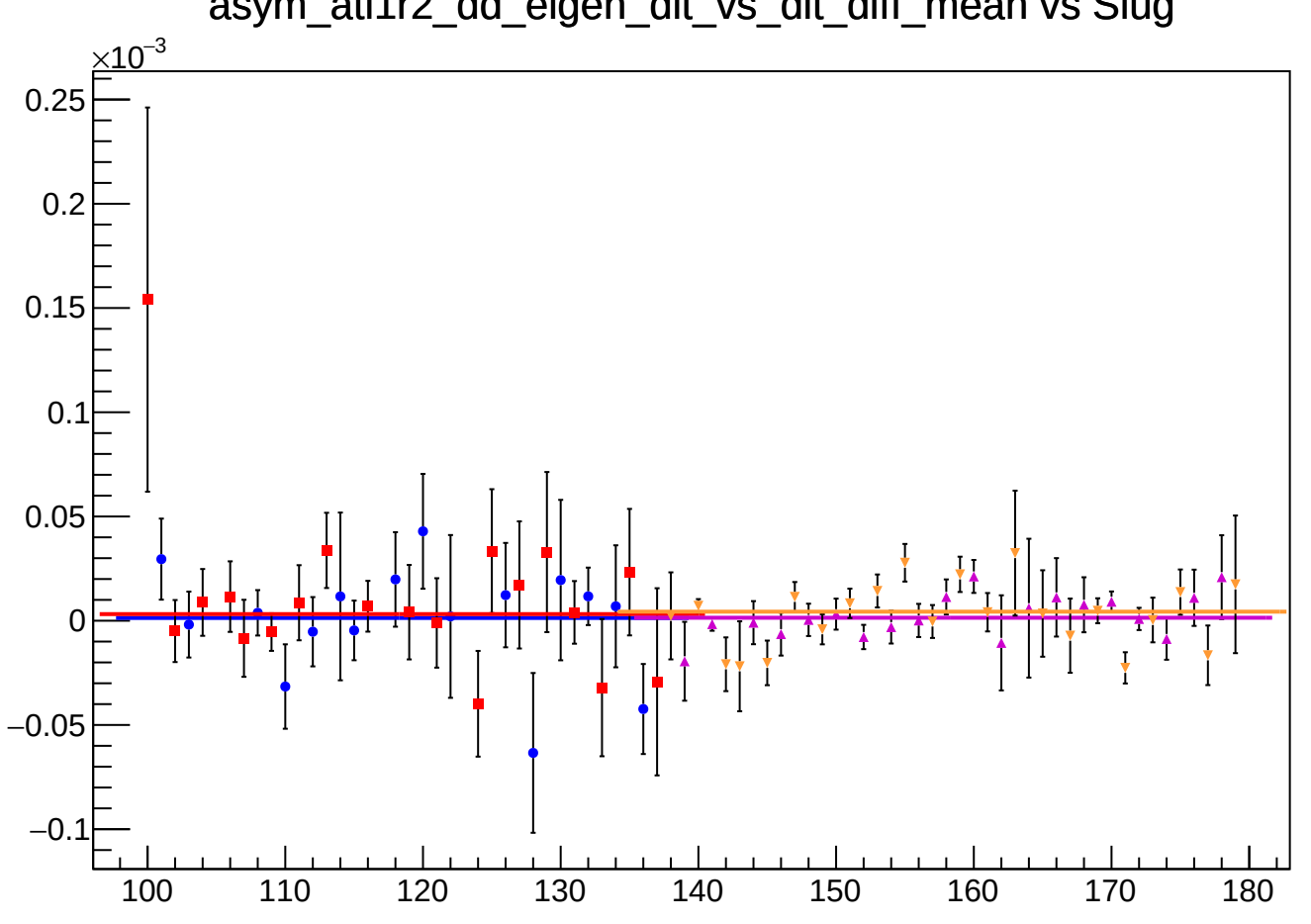
Right Out: 154.388+/-0.046 χ^2/NDF: 1921322.6/18

Left In: 248.512+/-0.046 χ^2/NDF:1638250.3/19

+ sign 206.974+/-0.032 χ^2/NDF: 6839360.3/37

All: 204.134+/-0.023 χ^2/NDF: 12544315.1/76

- sign 201.322+/-0.032 χ^2/NDF: 5689668.7/38



Right In: 0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:44.7/21

Right Out: 0.000+/-0.000 χ^2/NDF: 14.6/18

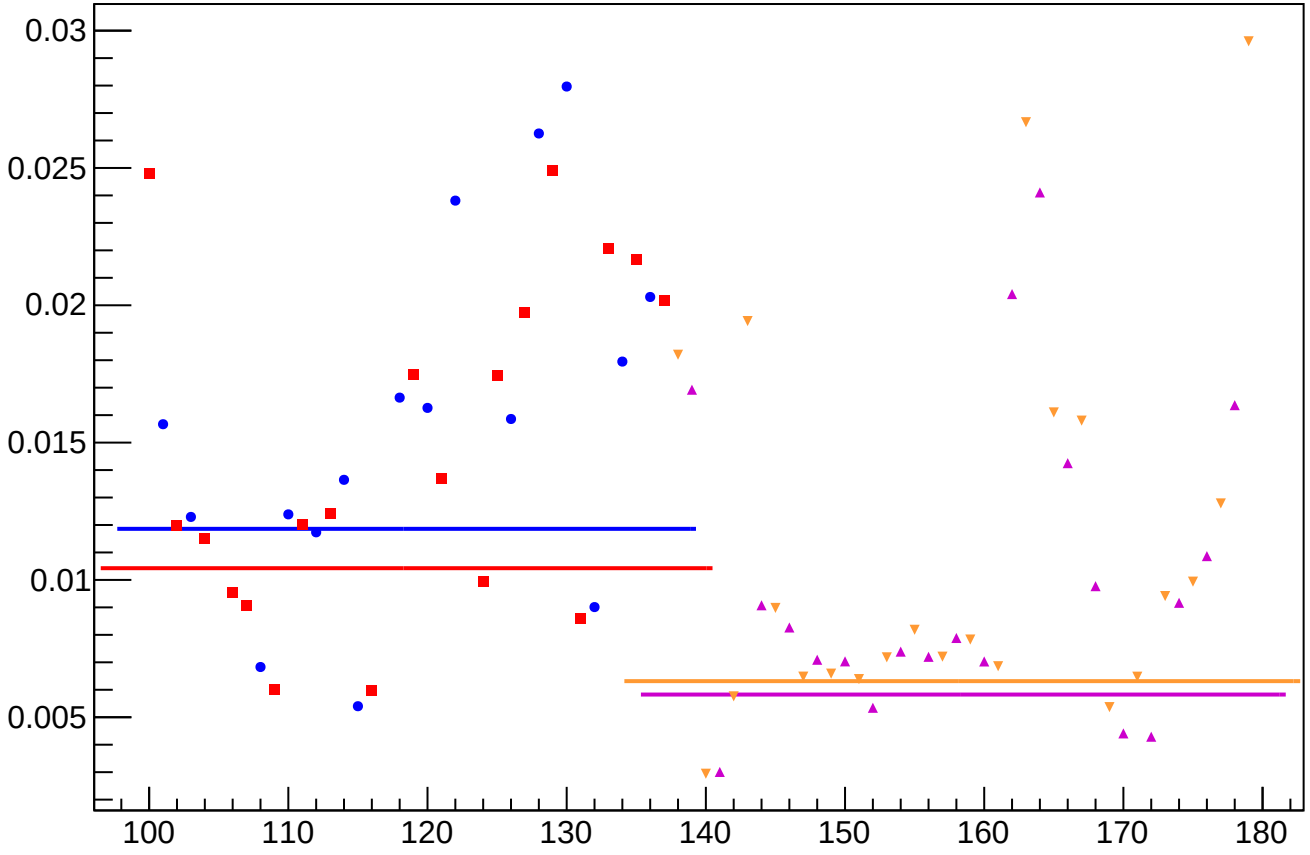
Left In: 0.000+/-0.000 χ^2/NDF:19.1/19

+ sign 0.000+/-0.000 χ^2/NDF: 61.2/37

All: 0.000+/-0.000 χ^2/NDF: 96.0/76

- sign 0.000+/-0.000 χ^2/NDF: 33.8/38

asym_atl1r2_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 2407192.9/15

Left Out: 0.006+/-0.000 χ^2/NDF:7714935.0/21

Right Out: 0.010+/-0.000 χ^2/NDF: 2355101.8/18

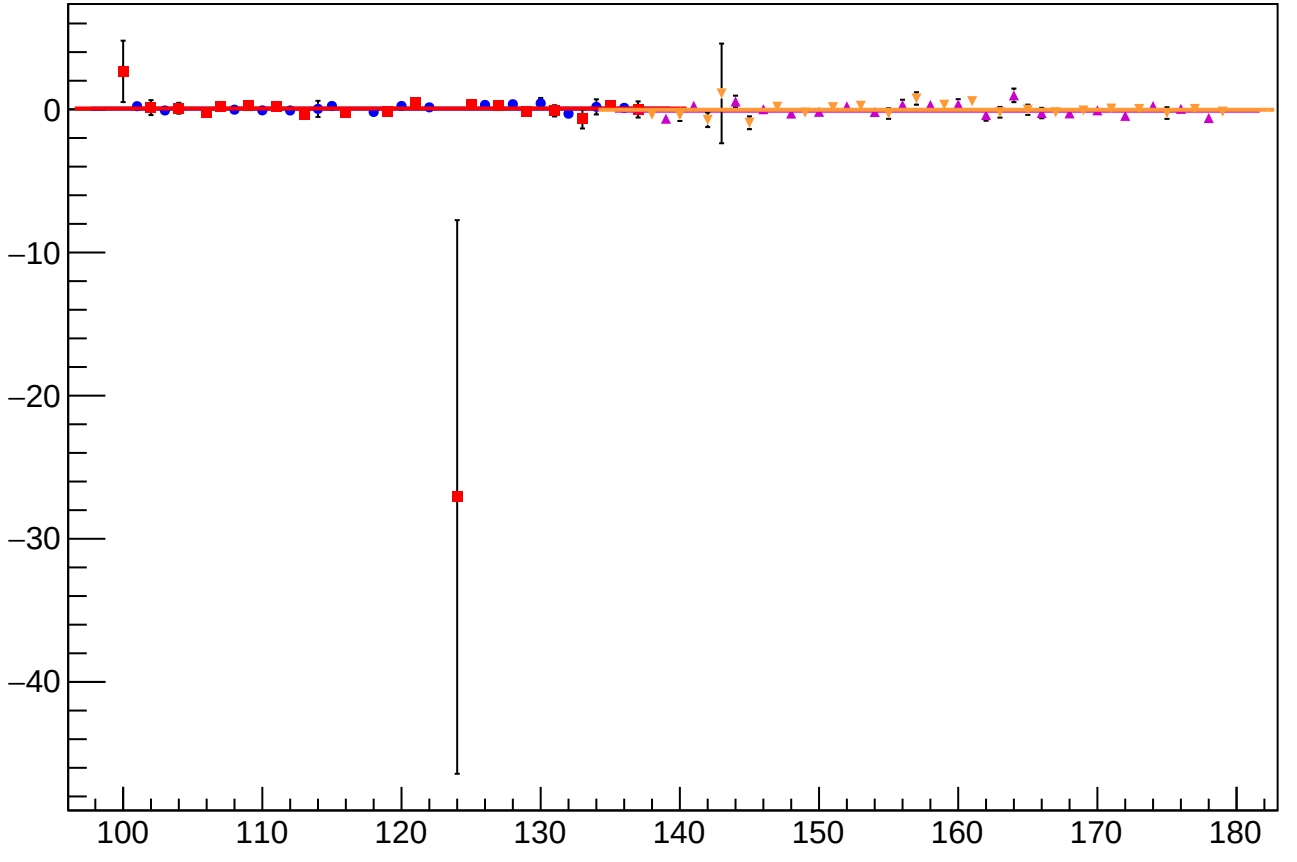
Left In: 0.006+/-0.000 χ^2/NDF:6355826.1/19

+ sign 0.007+/-0.000 χ^2/NDF: 12410961.8/37

All: 0.007+/-0.000 χ^2/NDF: 23253246.0/76

- sign 0.006+/-0.000 χ^2/NDF: 10745564.5/38

asym_atl1r2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.048+/-0.066 χ^2/NDF: 7.6/15

Left Out: -0.028+/-0.063 χ^2/NDF:20.0/21

Right Out: 0.061+/-0.064 χ^2/NDF: 18.4/18

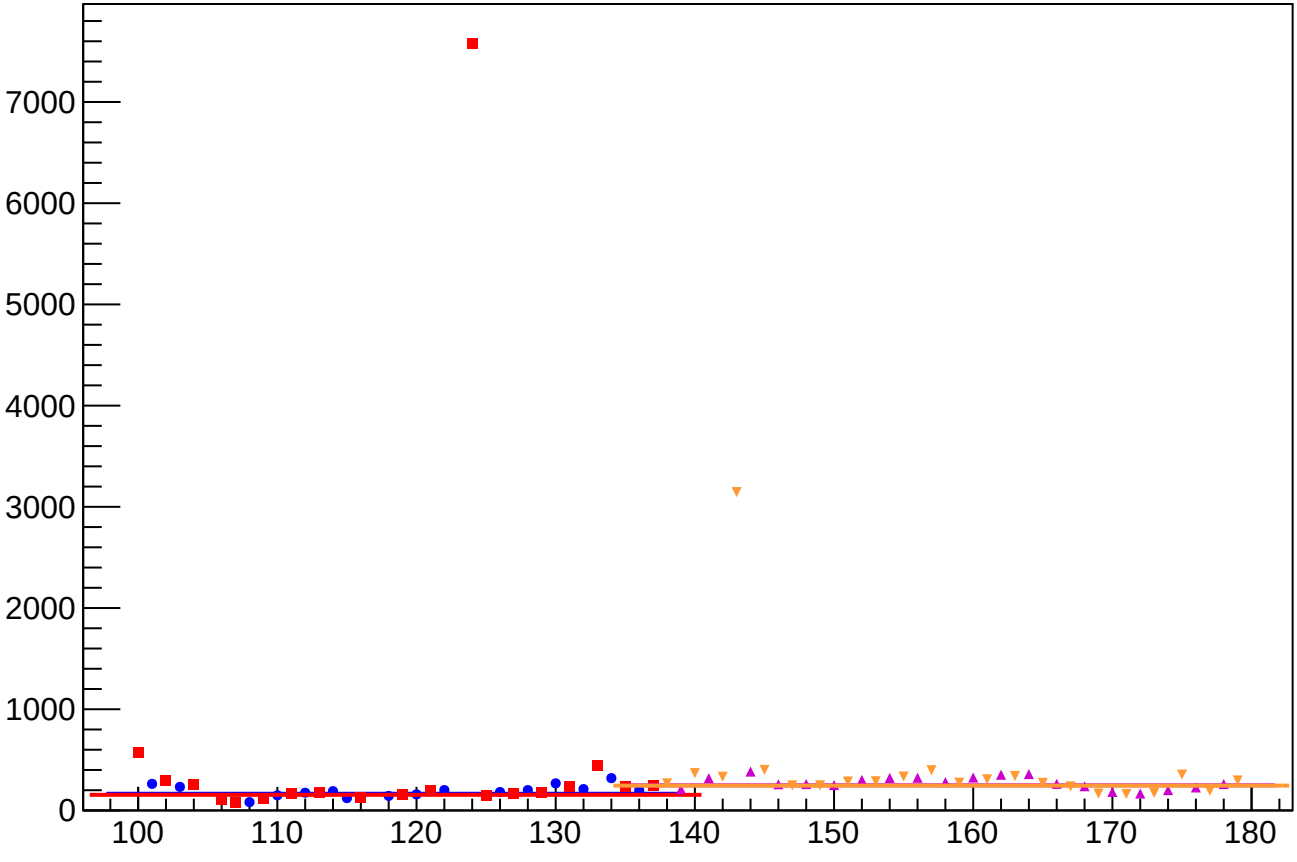
Left In: -0.092+/-0.065 χ^2/NDF:30.1/19

+ sign 0.009+/-0.046 χ^2/NDF: 28.3/37

All: -0.003+/-0.032 χ^2/NDF: 79.8/76

- sign -0.015+/-0.046 χ^2/NDF: 51.4/38

asym_atl1r2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 164.862+/-0.047 χ^2/NDF: 1474692.6/15

Left Out: 245.290+/-0.045 χ^2/NDF:3828644.4/21

Right Out: 154.388+/-0.046 χ^2/NDF: 1921346.3/18

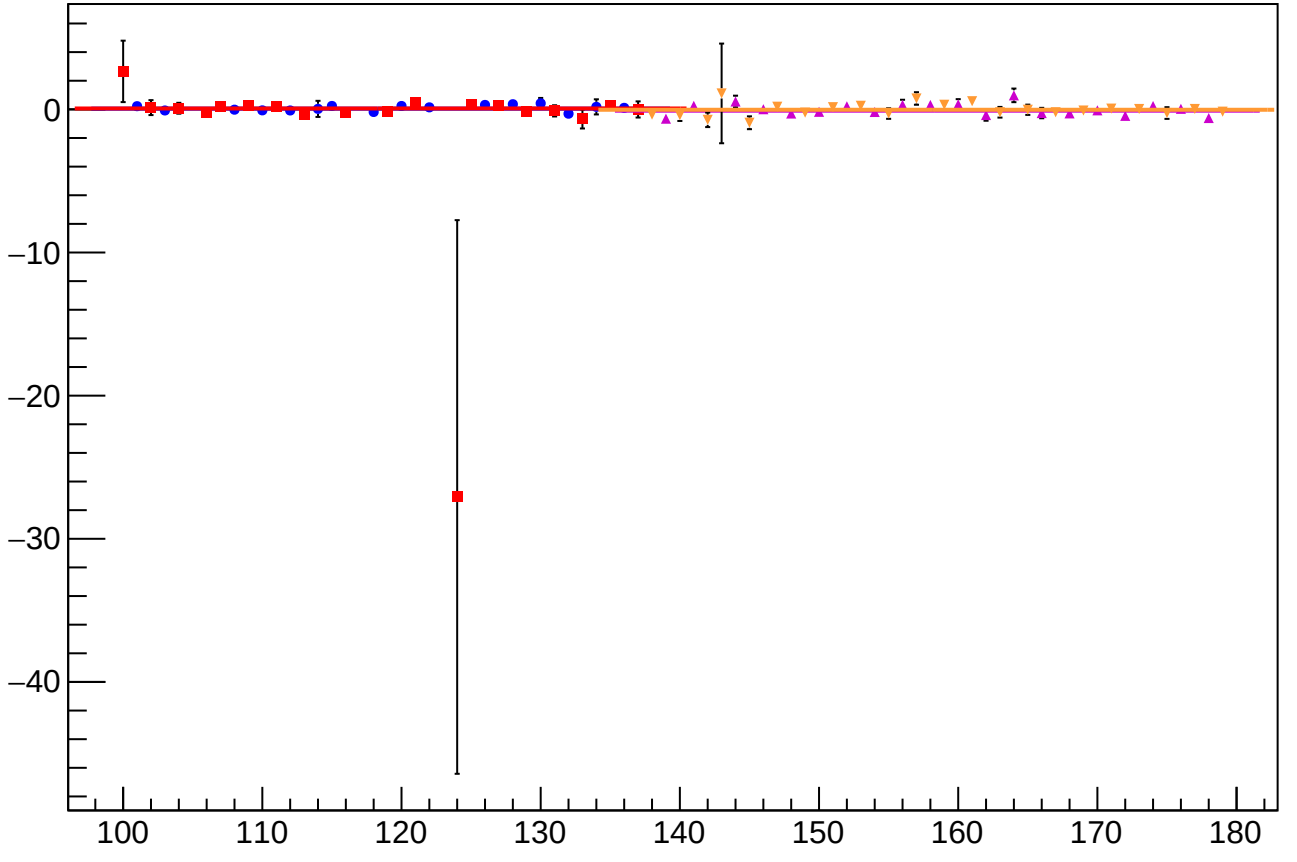
Left In: 248.514+/-0.046 χ^2/NDF:1638297.3/19

+ sign 206.975+/-0.032 χ^2/NDF: 6839492.7/37

All: 204.134+/-0.023 χ^2/NDF: 12544615.9/76

- sign 201.322+/-0.032 χ^2/NDF: 5689838.4/38

asym_atl1r2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.048+/-0.066 χ^2/NDF: 7.6/15

Left Out: -0.028+/-0.063 χ^2/NDF:20.0/21

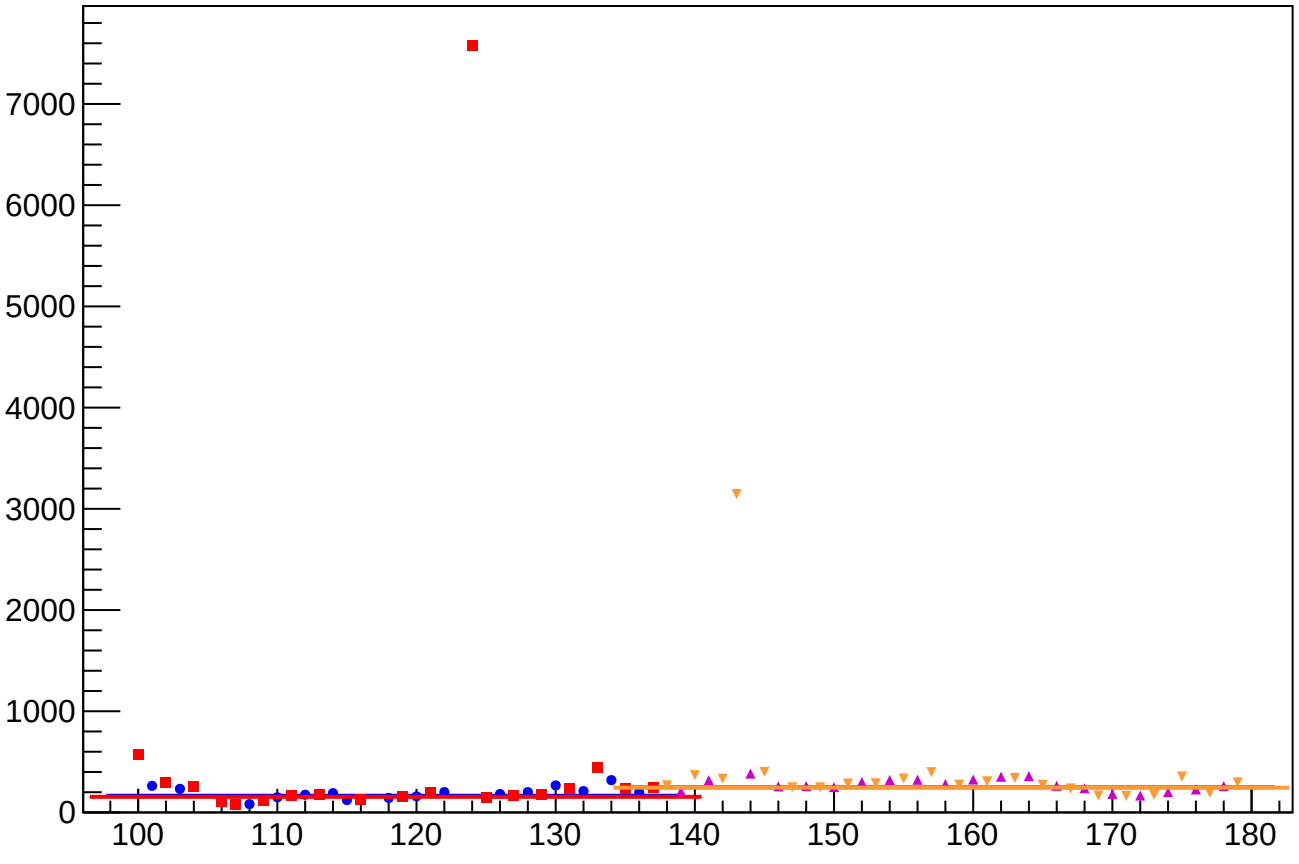
Right Out: 0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: -0.092+/-0.065 χ^2/NDF:30.1/19

+ sign 0.009+/-0.046 χ^2/NDF: 28.3/37

All: -0.003+/-0.032 χ^2/NDF: 79.8/76

- sign -0.015+/-0.046 χ^2/NDF: 51.4/38



Right In: 164.862+/-0.047 χ^2/NDF: 1474692.6/15

Left Out: 245.290+/-0.045 χ^2/NDF:3828644.4/21

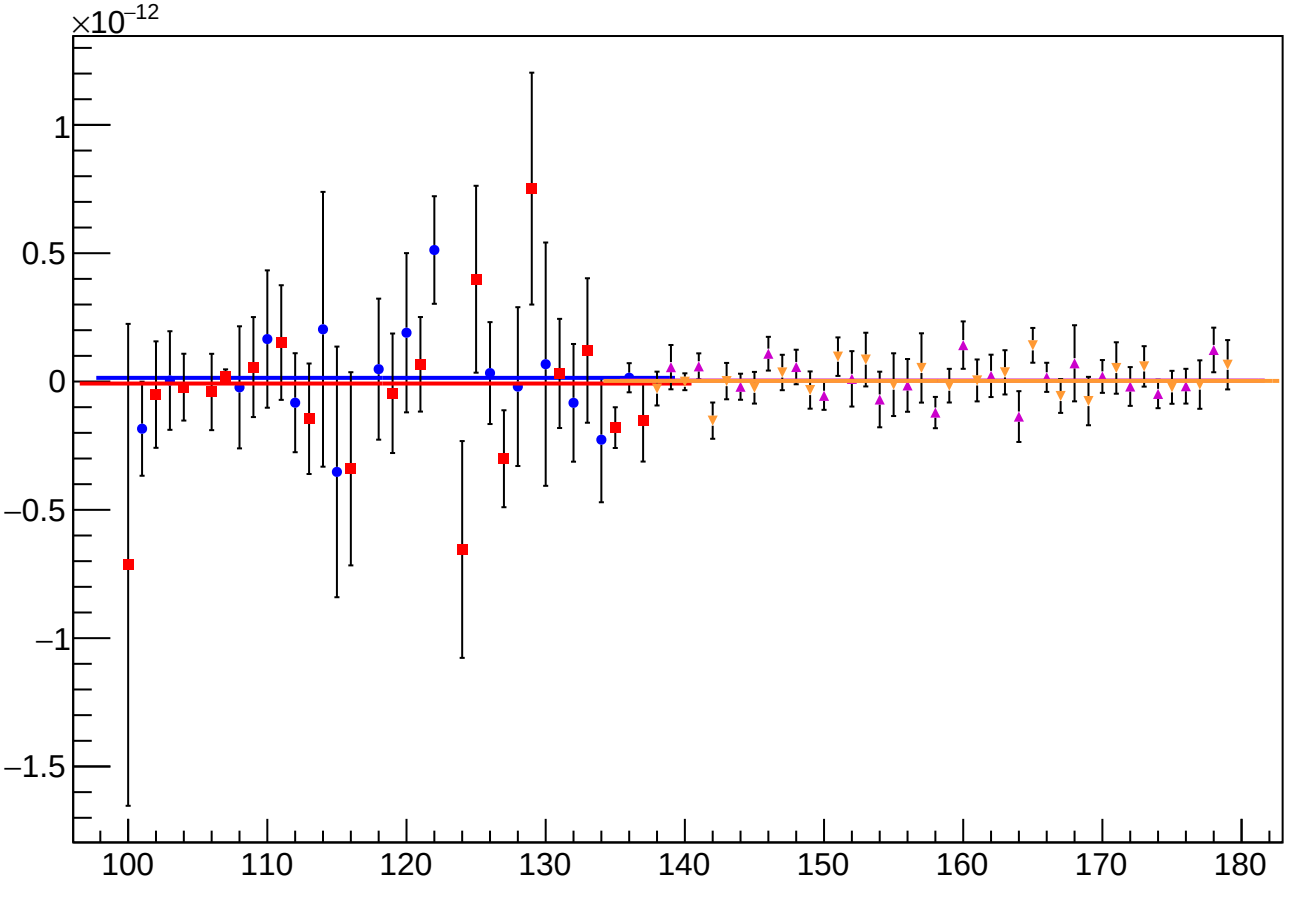
Right Out: 154.388+/-0.046 χ^2/NDF: 1921346.3/18

Left In: 248.514+/-0.046 χ^2/NDF:1638297.3/19

+ sign 206.975+/-0.032 χ^2/NDF: 6839492.7/37

All: 204.134+/-0.023 χ^2/NDF: 12544615.9/76

- sign 201.322+/-0.032 χ^2/NDF: 5689838.4/38



Right In: 0.000+/-0.000 χ^2/NDF: 9.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.3/21

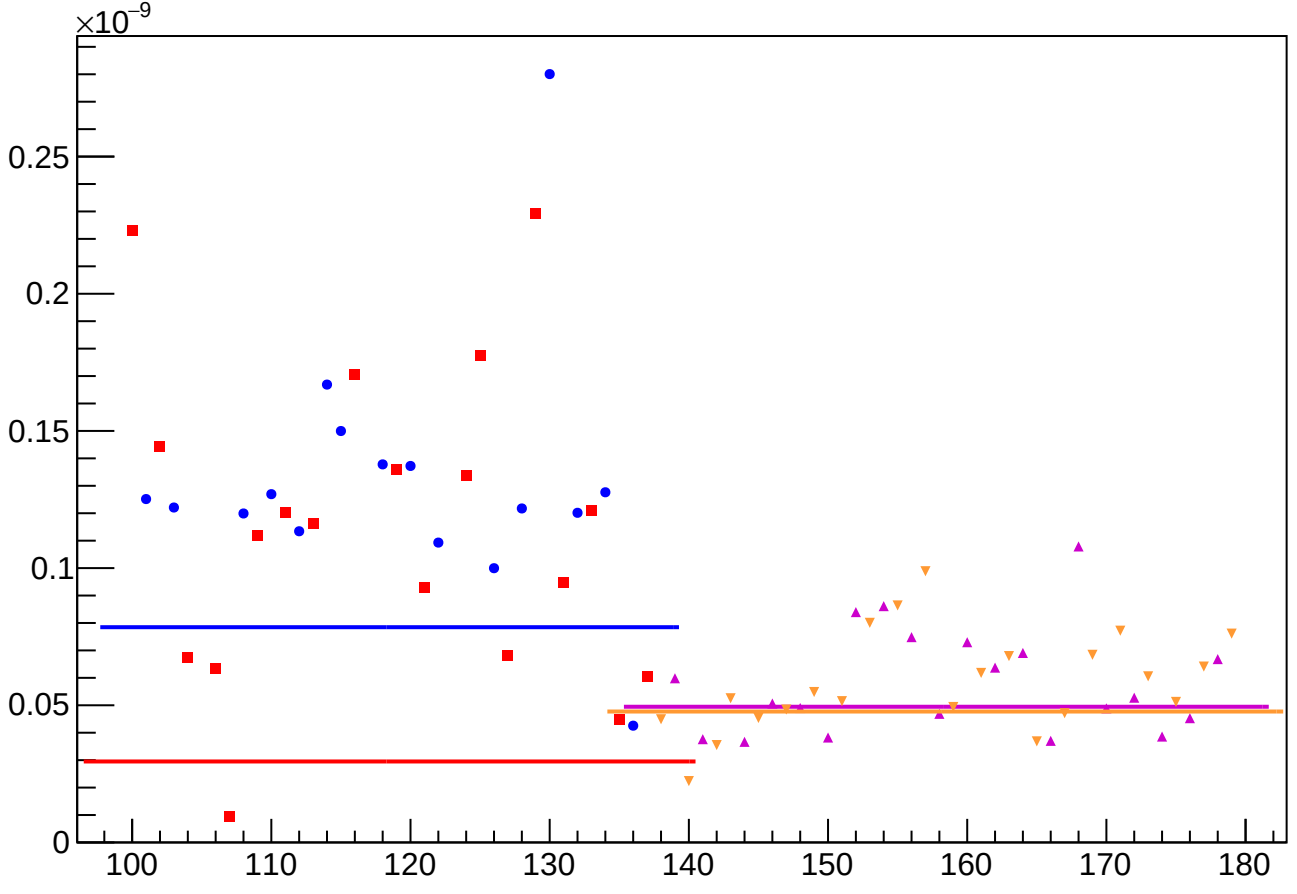
Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:18.4/19

+ sign 0.000+/-0.000 χ^2/NDF: 25.0/37

All: 0.000+/-0.000 χ^2/NDF: 62.0/76

- sign 0.000+/-0.000 χ^2/NDF: 36.9/38



Right In: 0.000+/-0.000 χ^2/NDF: 2103056.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:2757398.2/21

Right Out: 0.000+/-0.000 χ^2/NDF: 5487361.4/18

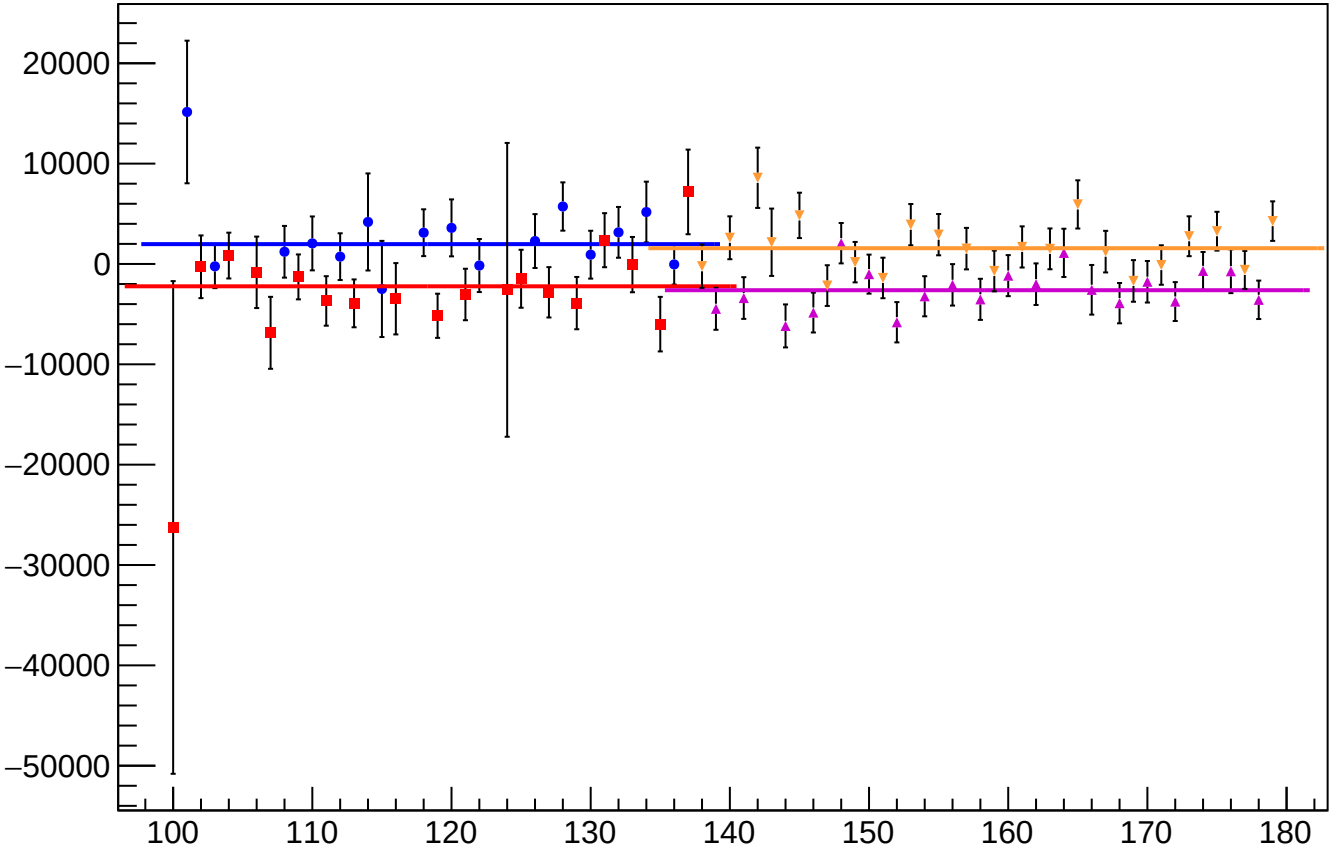
Left In: 0.000+/-0.000 χ^2/NDF:1750547.6/19

+ sign 0.000+/-0.000 χ^2/NDF: 5793516.2/37

All: 0.000+/-0.000 χ^2/NDF: 14413477.2/76

- sign 0.000+/-0.000 χ^2/NDF: 8267282.9/38

reg_asym_atr1l2_avg_mean vs Slug



Right In: 1976.299+/-667.710 χ^2/NDF: 12.1/15

Left Out: 1569.893+/-449.653 χ^2/NDF:28.3/21

Right Out: -2226.171+/-656.286 χ^2/NDF: 19.0/18

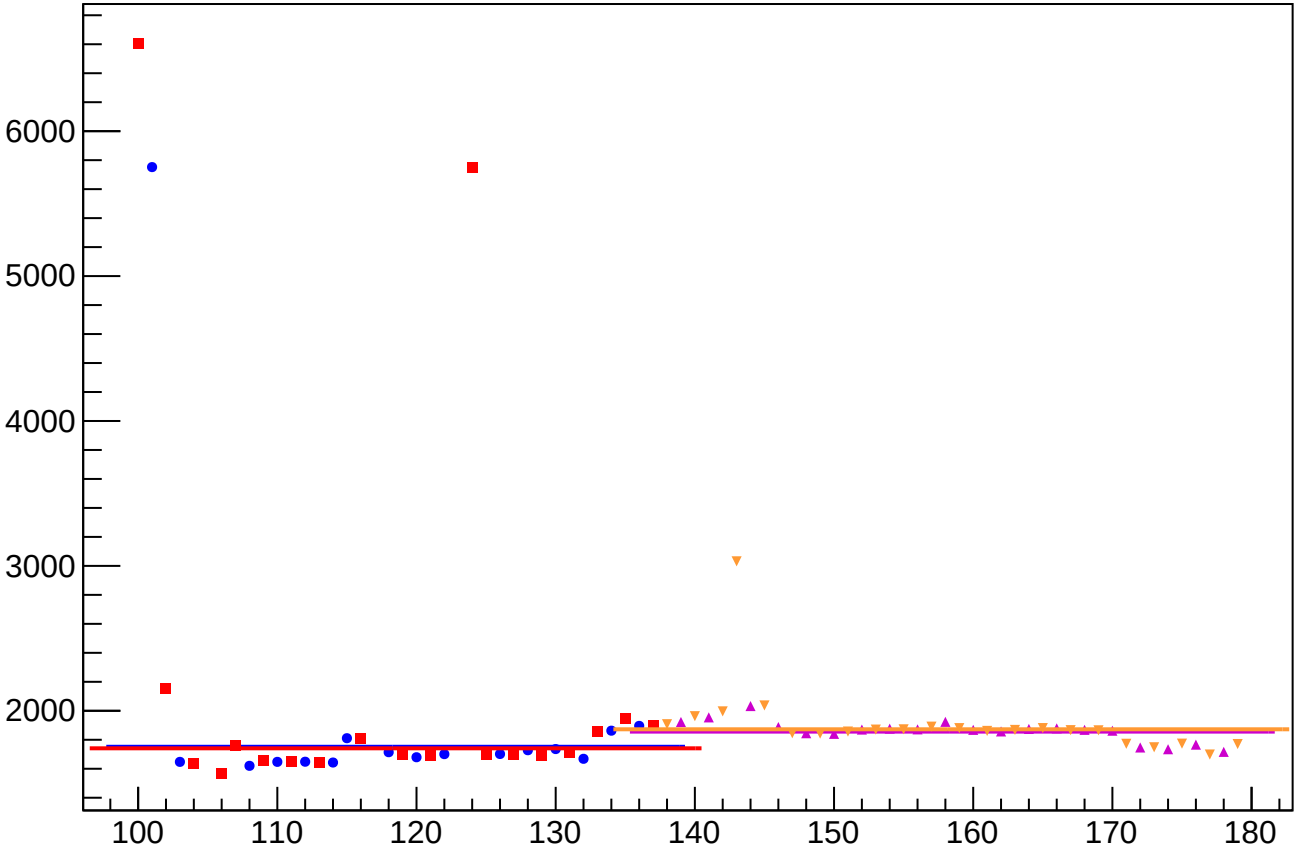
Left In: -2615.796+/-459.559 χ^2/NDF:19.9/19

+ sign 1696.695+/-372.967 χ^2/NDF: 40.7/37

All: -376.045+/-264.948 χ^2/NDF: 142.1/76

- sign -2487.604+/-376.443 χ^2/NDF: 39.1/38

reg_asym_atr1l2_avg_rms vs Slug



Right In: 1751.607+/-0.472 χ^2/NDF: 670651.4/15

Left Out: 1872.307+/-0.318 χ^2/NDF:298493.4/21

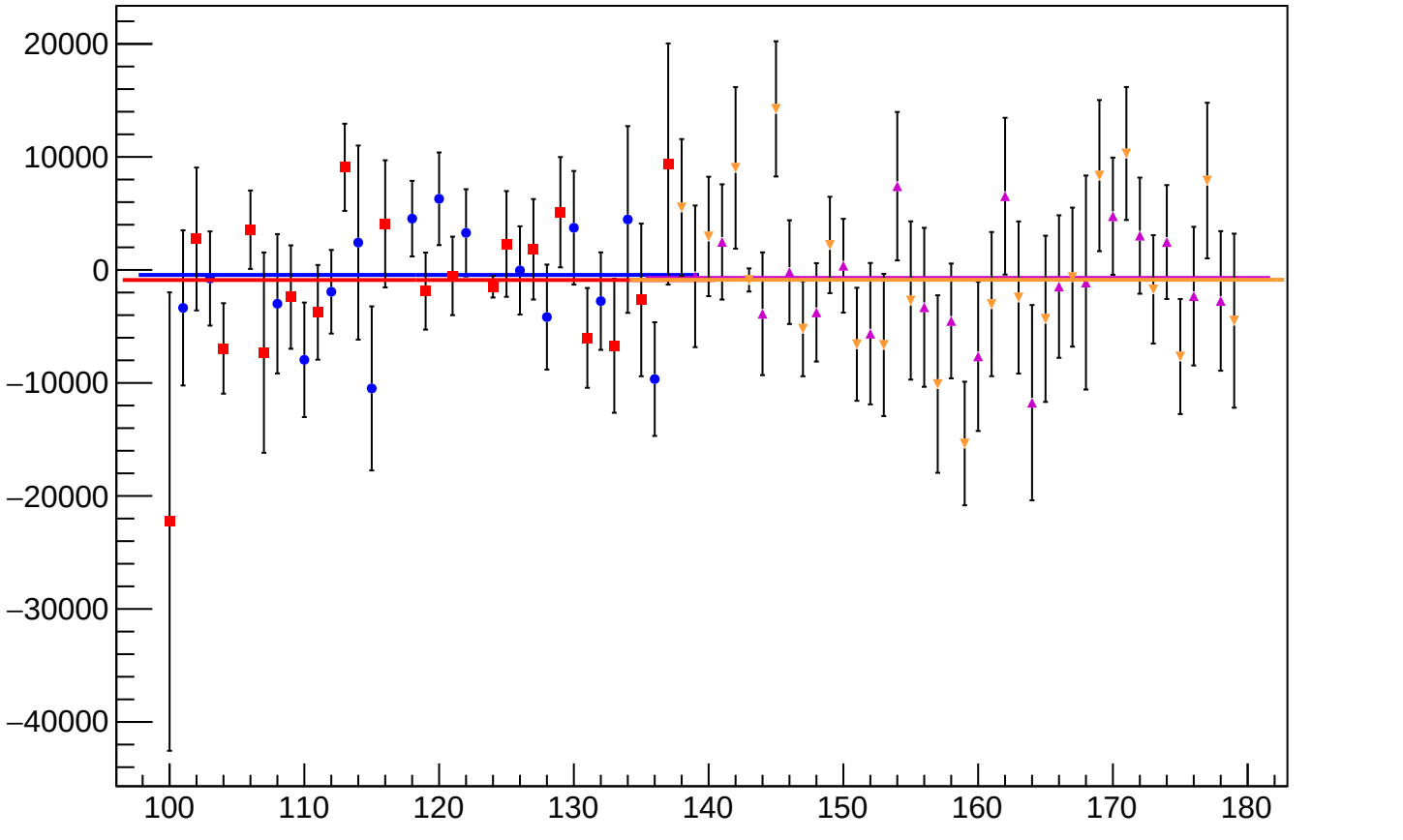
Right Out: 1741.052+/-0.461 χ^2/NDF: 304655.0/18

Left In: 1856.337+/-0.325 χ^2/NDF:52560.0/19

+ sign 1834.647+/-0.264 χ^2/NDF: 1014107.5/37

All: 1826.396+/-0.187 χ^2/NDF: 1415115.4/76

- sign 1818.030+/-0.266 χ^2/NDF: 399036.4/38



Right In: -444.273+/-1174.448 χ^2/NDF: 15.9/15

Left Out: -870.573+/-796.317 χ^2/NDF:31.7/21

Right Out: -892.237+/-725.737 χ^2/NDF: 20.1/18

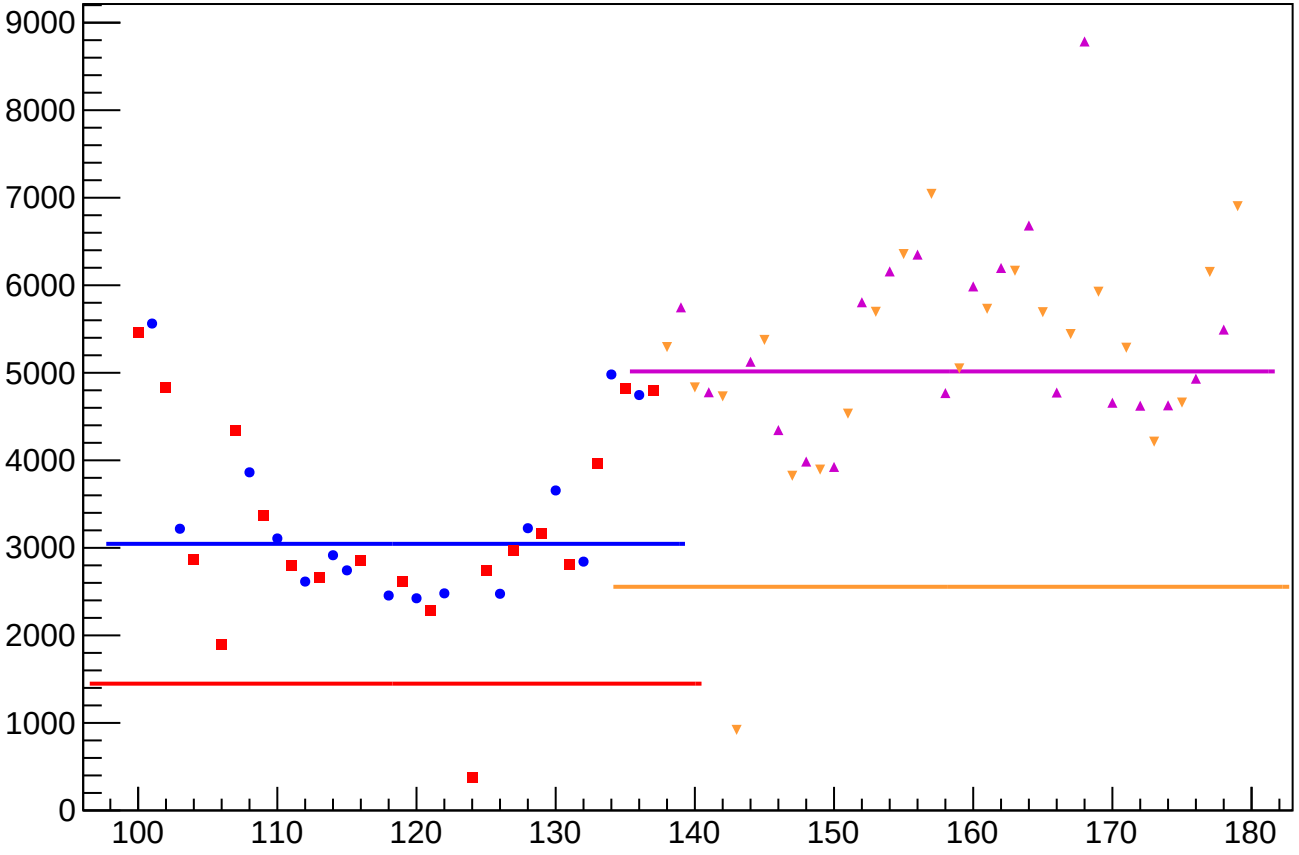
Left In: -706.742+/-1265.372 χ^2/NDF:10.2/19

\+ sign -736.313+/-659.097 χ^2/NDF: 47.7/37

All: -793.840+/-455.244 χ^2/NDF: 78.0/76

\- sign -846.323+/-629.544 χ^2/NDF: 30.3/38

asym_atr1l2_avg_reg_correction_rms vs Slug



Right In: 3045.917+/-0.830 χ^2/NDF: 907385.5/15

Left Out: 2555.257+/-0.563 χ^2/NDF:13953164.2/21

Right Out: 1448.519+/-0.513 χ^2/NDF: 6786925.8/18

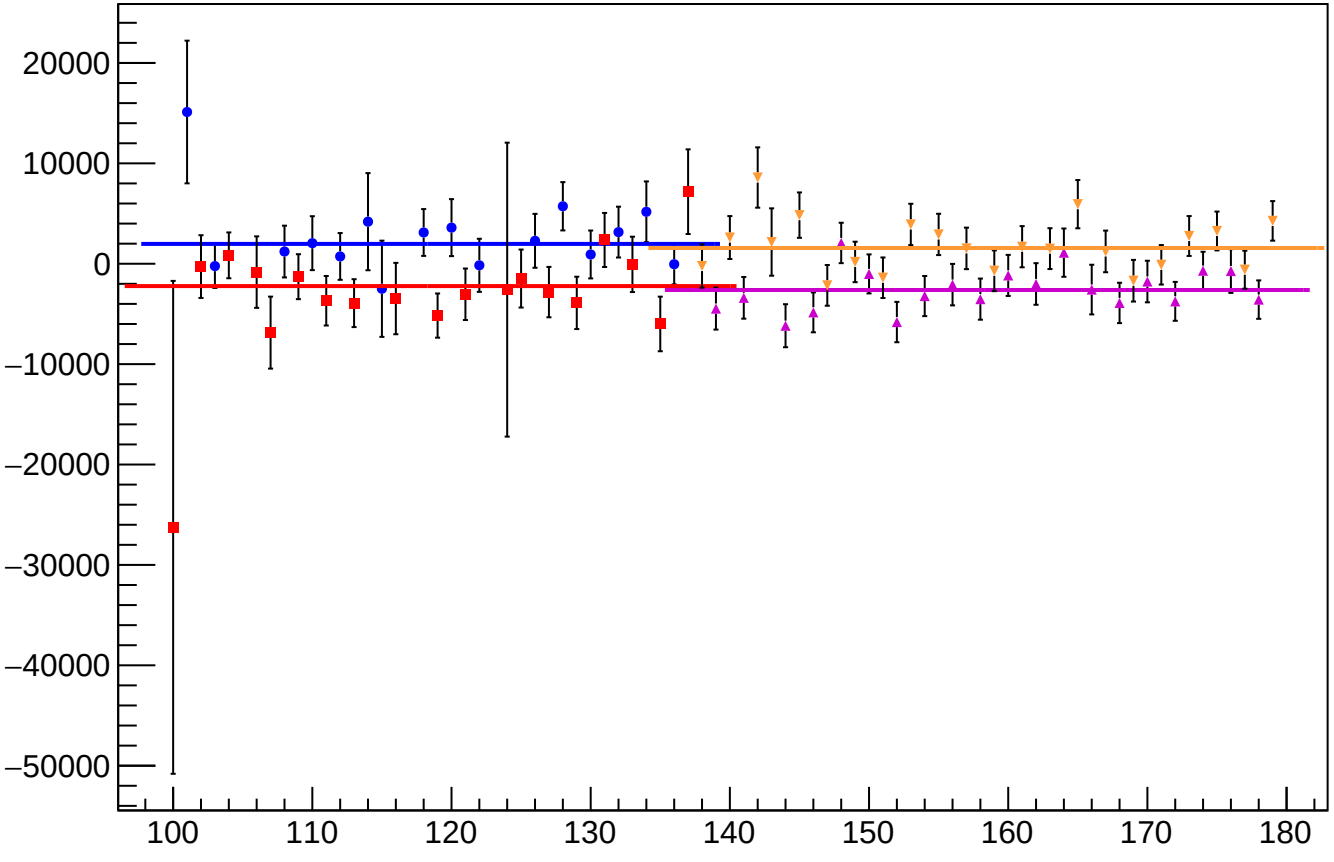
Left In: 5015.612+/-0.895 χ^2/NDF:1035388.3/19

+ sign 2709.787+/-0.466 χ^2/NDF: 15099689.5/37

All: 2511.950+/-0.322 χ^2/NDF: 35226180.4/7

- sign 2331.457+/-0.445 χ^2/NDF: 19781895.8/38

cor_asym_atr1l2_avg_mean vs Slug



Right In: 1975.946+/-667.710 χ^2/NDF: 12.1/15

Left Out: 1569.862+/-449.653 χ^2/NDF:28.3/21

Right Out: -2226.267+/-656.286 χ^2/NDF: 19.0/18

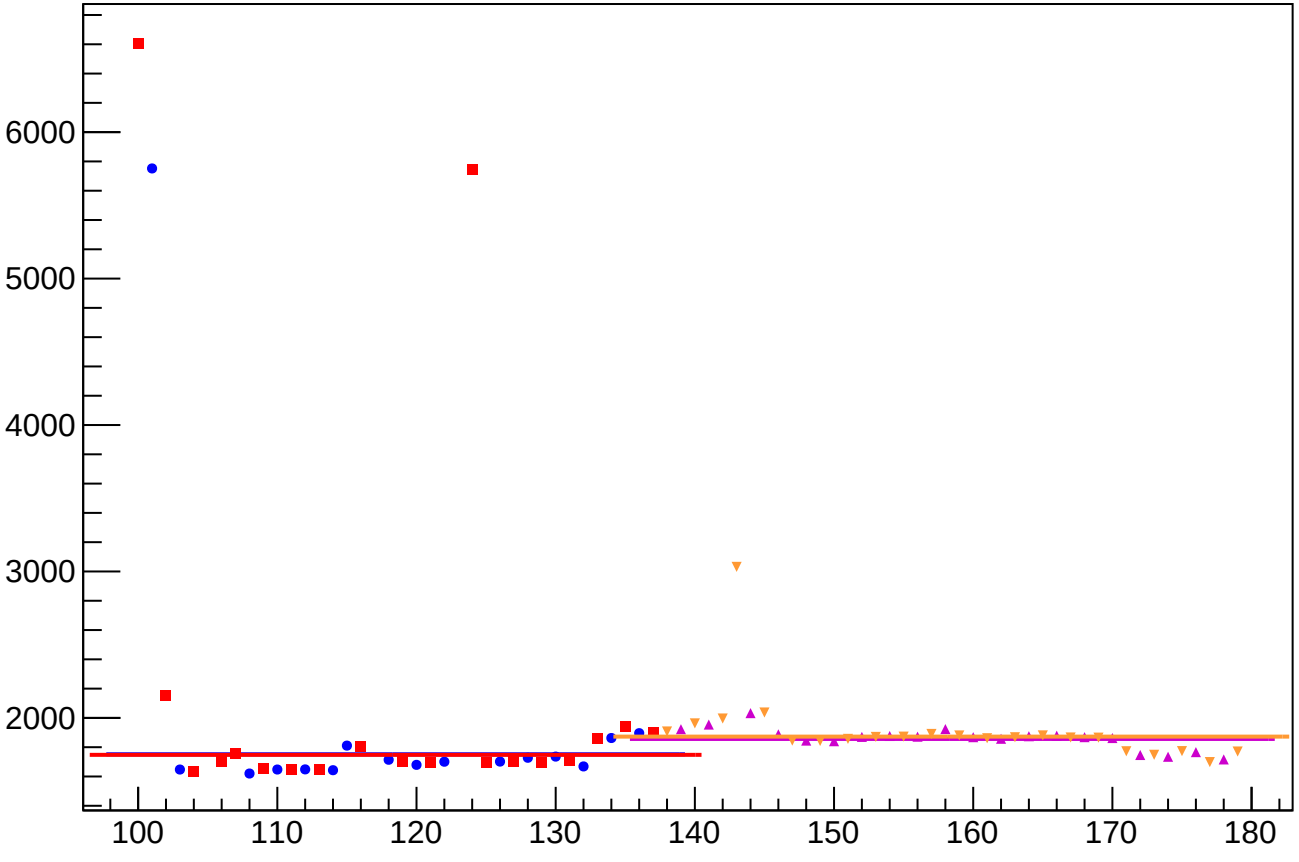
Left In: -2615.835+/-459.559 χ^2/NDF:19.9/19

+ sign 1696.563+/-372.967 χ^2/NDF: 40.7/37

All: -376.140+/-264.948 χ^2/NDF: 142.1/76

- sign -2487.663+/-376.443 χ^2/NDF: 39.1/38

cor_asym_atr1l2_avg_rms vs Slug



Right In: 1751.606+/-0.472 χ^2/NDF: 670651.6/15

Left Out: 1872.307+/-0.318 χ^2/NDF:298493.3/21

Right Out: 1747.786+/-0.462 χ^2/NDF: 297917.6/18

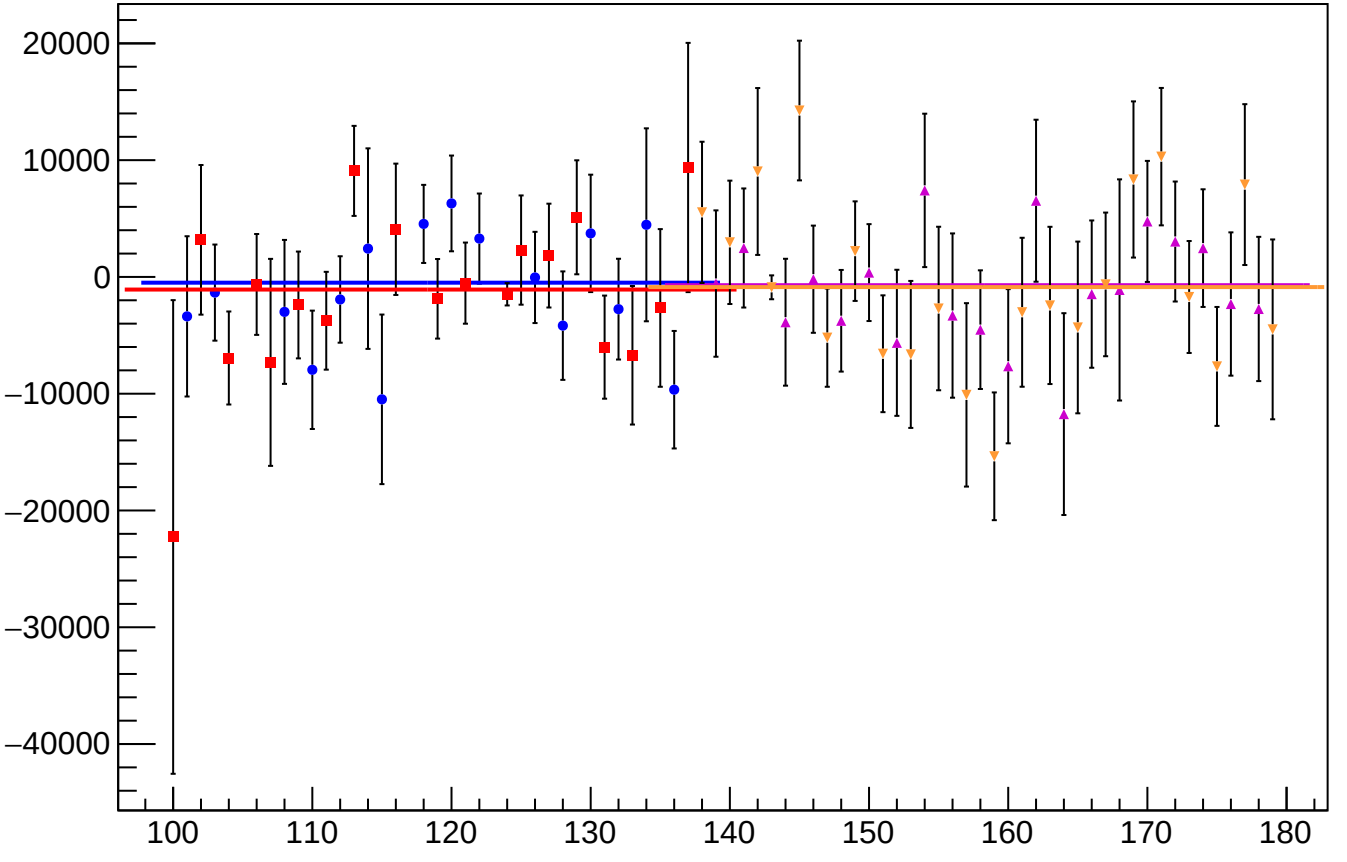
Left In: 1856.337+/-0.325 χ^2/NDF:52560.0/19

+ sign 1834.647+/-0.264 χ^2/NDF: 1014108.0/37

All: 1827.602+/-0.187 χ^2/NDF: 1402923.1/76

- sign 1820.443+/-0.266 χ^2/NDF: 387376.3/38

asym_atr1l2_avg_cor_correction_mean vs Slug



Right In: -492.916+/-1173.239 χ^2/NDF: 16.0/15

Left Out: -870.426+/-796.297 χ^2/NDF:31.7/21

Right Out: -1080.924+/-731.458 χ^2/NDF: 18.5/18

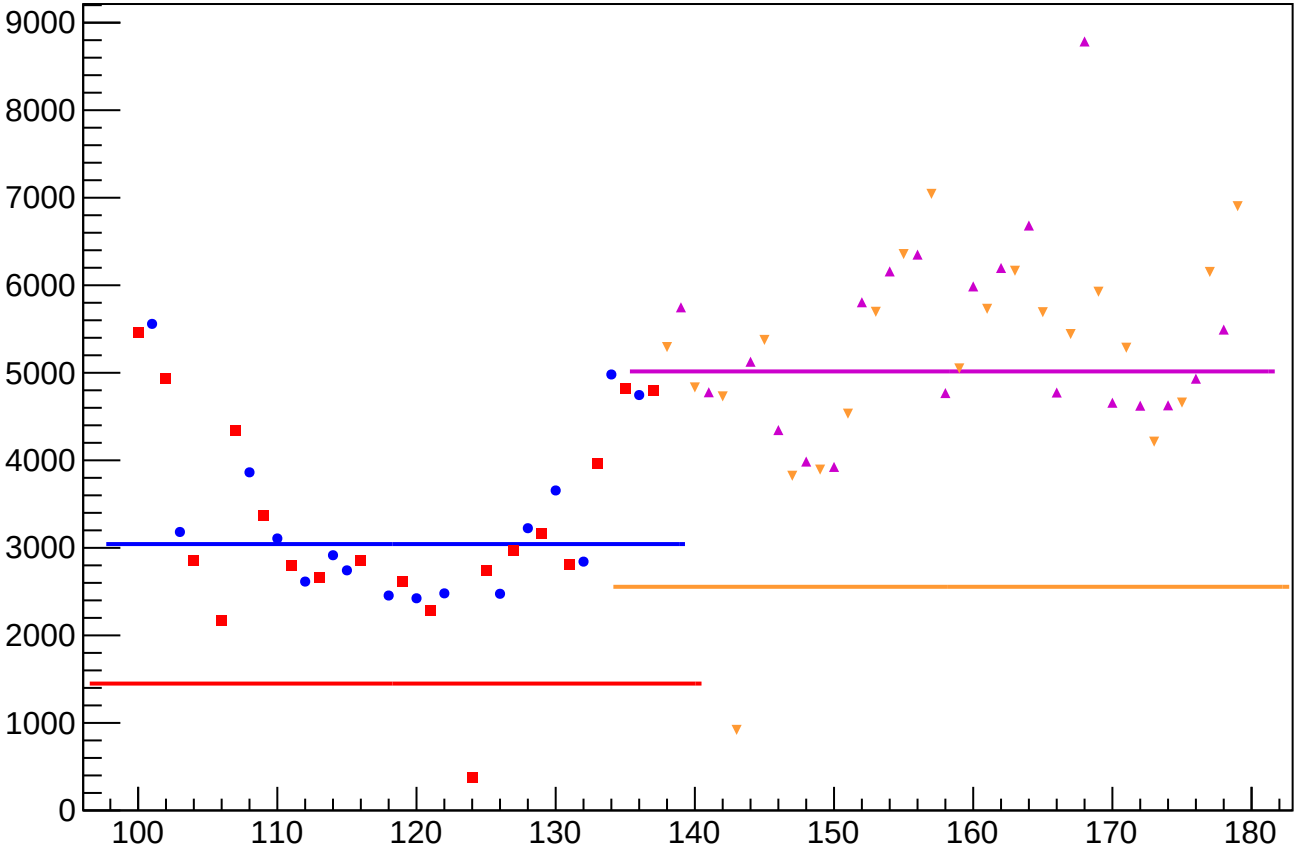
Left In: -706.829+/-1265.372 χ^2/NDF:10.2/19

+ sign -751.368+/-658.872 χ^2/NDF: 47.7/37

All: -873.970+/-456.571 χ^2/NDF: 76.5/76

- sign -987.228+/-633.267 χ^2/NDF: 28.7/38

asym_atr1l2_avg_cor_correction_rms vs Slug



Right In: 3043.270+/-0.830 χ^2/NDF: 905659.7/15

Left Out: 2555.152+/-0.563 χ^2/NDF:13953825.8/21

Right Out: 1449.516+/-0.517 χ^2/NDF: 6825716.5/18

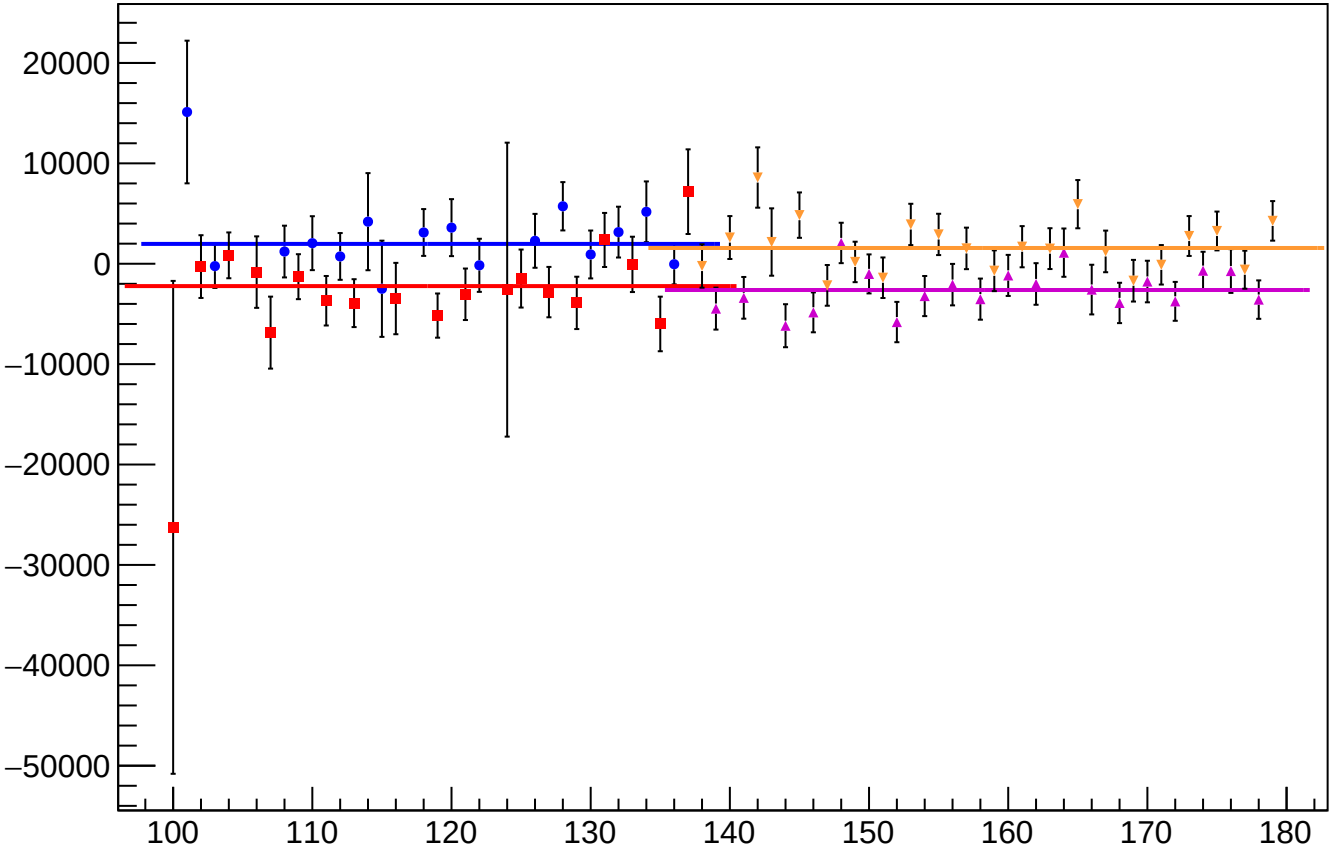
Left In: 5015.613+/-0.895 χ^2/NDF:1035387.6/19

+ sign 2709.093+/-0.466 χ^2/NDF: 15096490.7/37

All: 2518.628+/-0.323 χ^2/NDF: 35185372.9/7

- sign 2342.679+/-0.448 χ^2/NDF: 19767356.9/38

eigen_cor_asym_atr1l2_avg_mean vs Slug



Right In: 1975.946+/-667.710 χ^2/NDF: 12.1/15

Left Out: 1569.862+/-449.653 χ^2/NDF:28.3/21

Right Out: -2226.267+/-656.286 χ^2/NDF: 19.0/18

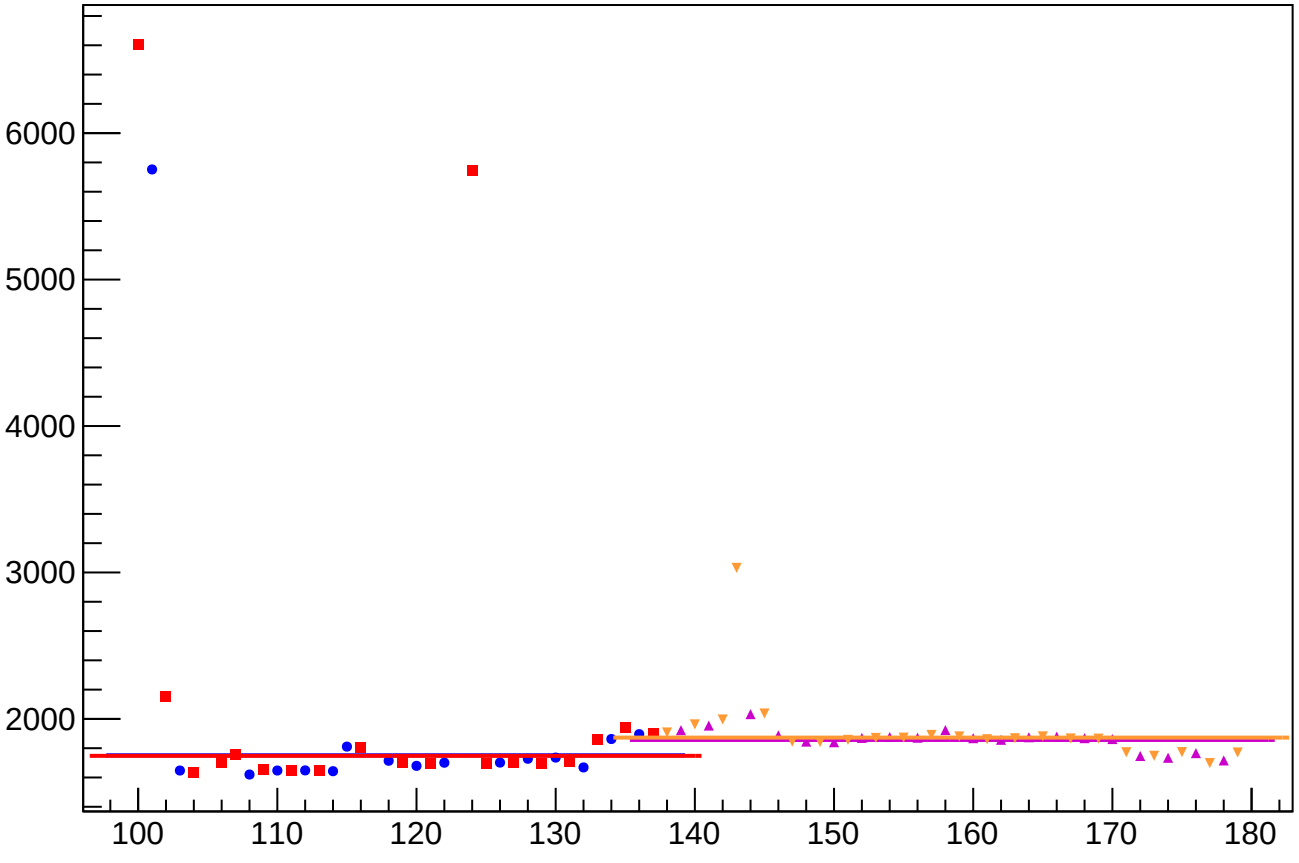
Left In: -2615.835+/-459.559 χ^2/NDF:19.9/19

+ sign 1696.563+/-372.967 χ^2/NDF: 40.7/37

All: -376.140+/-264.948 χ^2/NDF: 142.1/76

- sign -2487.663+/-376.443 χ^2/NDF: 39.1/38

eigen_cor_asym_atr1l2_avg_rms vs Slug



Right In: 1751.606+/-0.472 χ^2/NDF: 670651.6/15

Left Out: 1872.307+/-0.318 χ^2/NDF:298493.3/21

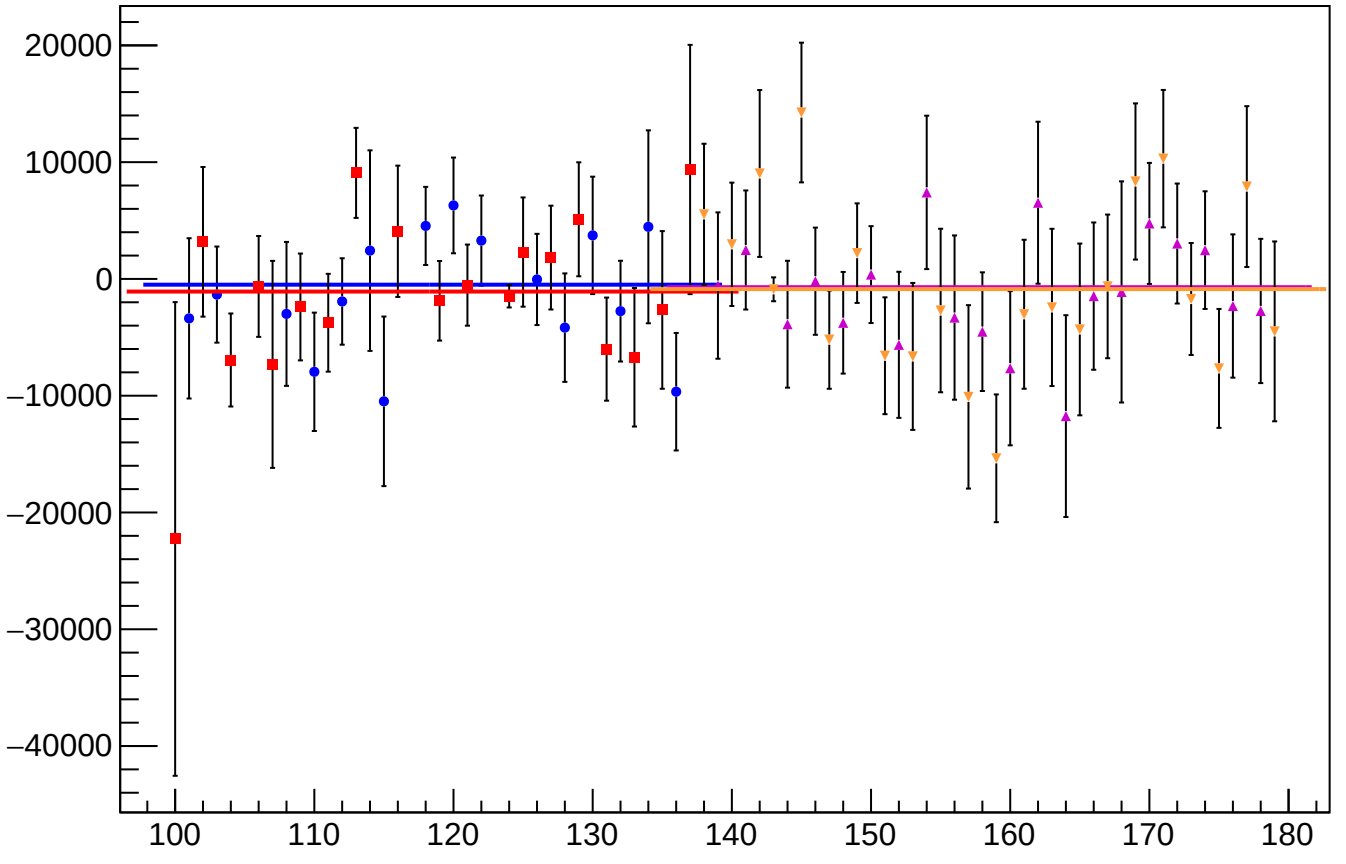
Right Out: 1747.786+/-0.462 χ^2/NDF: 297917.6/18

Left In: 1856.337+/-0.325 χ^2/NDF:52560.0/19

+ sign 1834.647+/-0.264 χ^2/NDF: 1014108.0/37

All: 1827.602+/-0.187 χ^2/NDF: 1402923.1/76

- sign 1820.443+/-0.266 χ^2/NDF: 387376.3/38



Right In: -492.916+/-1173.239 χ^2/NDF: 16.0/15

Left Out: -870.426+/-796.297 χ^2/NDF:31.7/21

Right Out: -1080.924+/-731.458 χ^2/NDF: 18.5/18

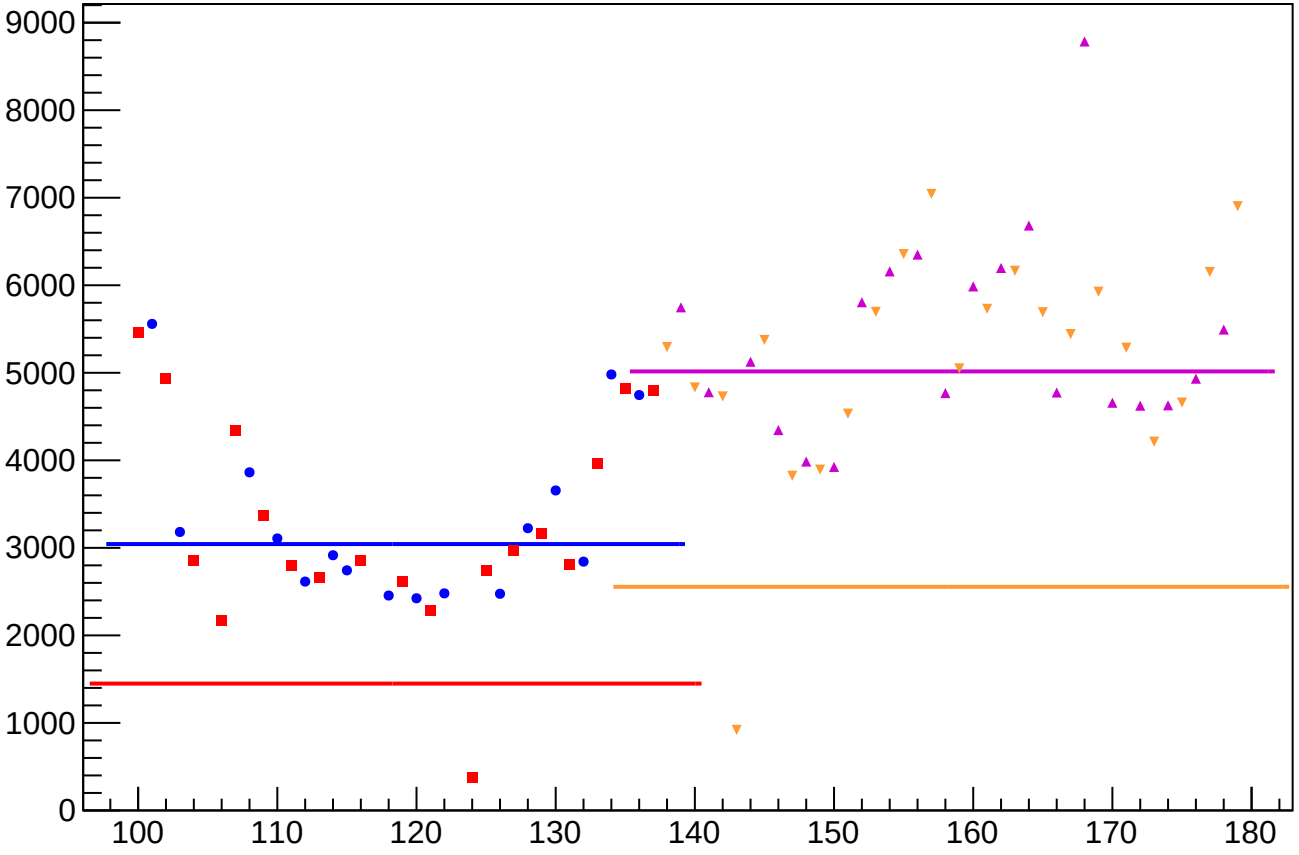
Left In: -706.829+/-1265.372 χ^2/NDF:10.2/19

+ sign -751.368+/-658.872 χ^2/NDF: 47.7/37

All: -873.970+/-456.571 χ^2/NDF: 76.5/76

- sign -987.228+/-633.267 χ^2/NDF: 28.7/38

asym_atr1l2_avg_eigen_cor_correction_rms vs Slug



Right In: 3043.270+/-0.830 χ^2/NDF: 905659.7/15

Left Out: 2555.152+/-0.563 χ^2/NDF:13953825.8/21

Right Out: 1449.516+/-0.517 χ^2/NDF: 6825716.5/18

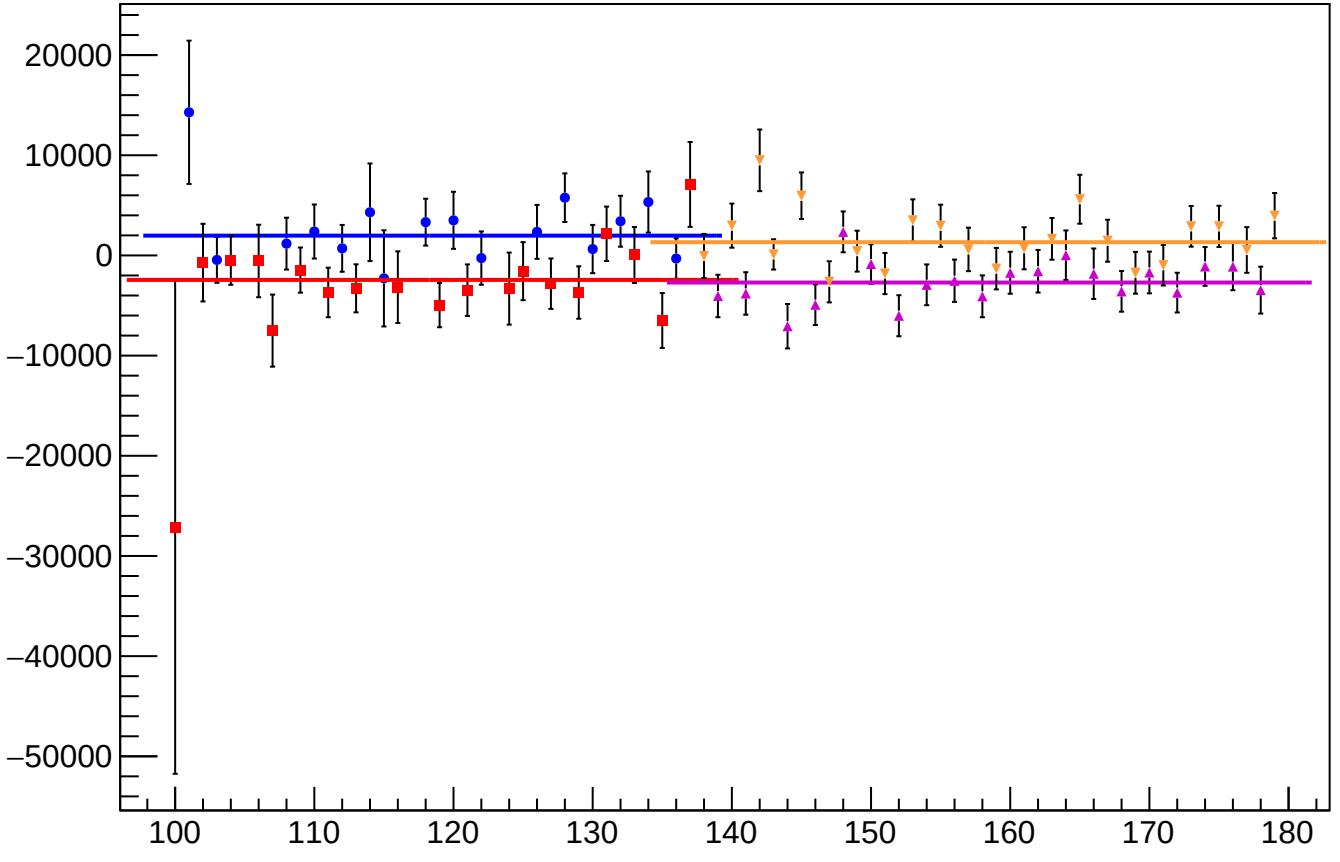
Left In: 5015.613+/-0.895 χ^2/NDF:1035387.6/19

+ sign 2709.093+/-0.466 χ^2/NDF: 15096490.7/37

All: 2518.628+/-0.323 χ^2/NDF: 35185372.9/7

- sign 2342.679+/-0.448 χ^2/NDF: 19767356.9/38

dit_asym_atr1l2_avg_mean vs Slug



Right In: 1975.804+/-674.086 χ^2/NDF: 12.4/15

Left Out: 1321.770+/-449.524 χ^2/NDF:31.6/21

Right Out: -2444.199+/-657.682 χ^2/NDF: 17.5/18

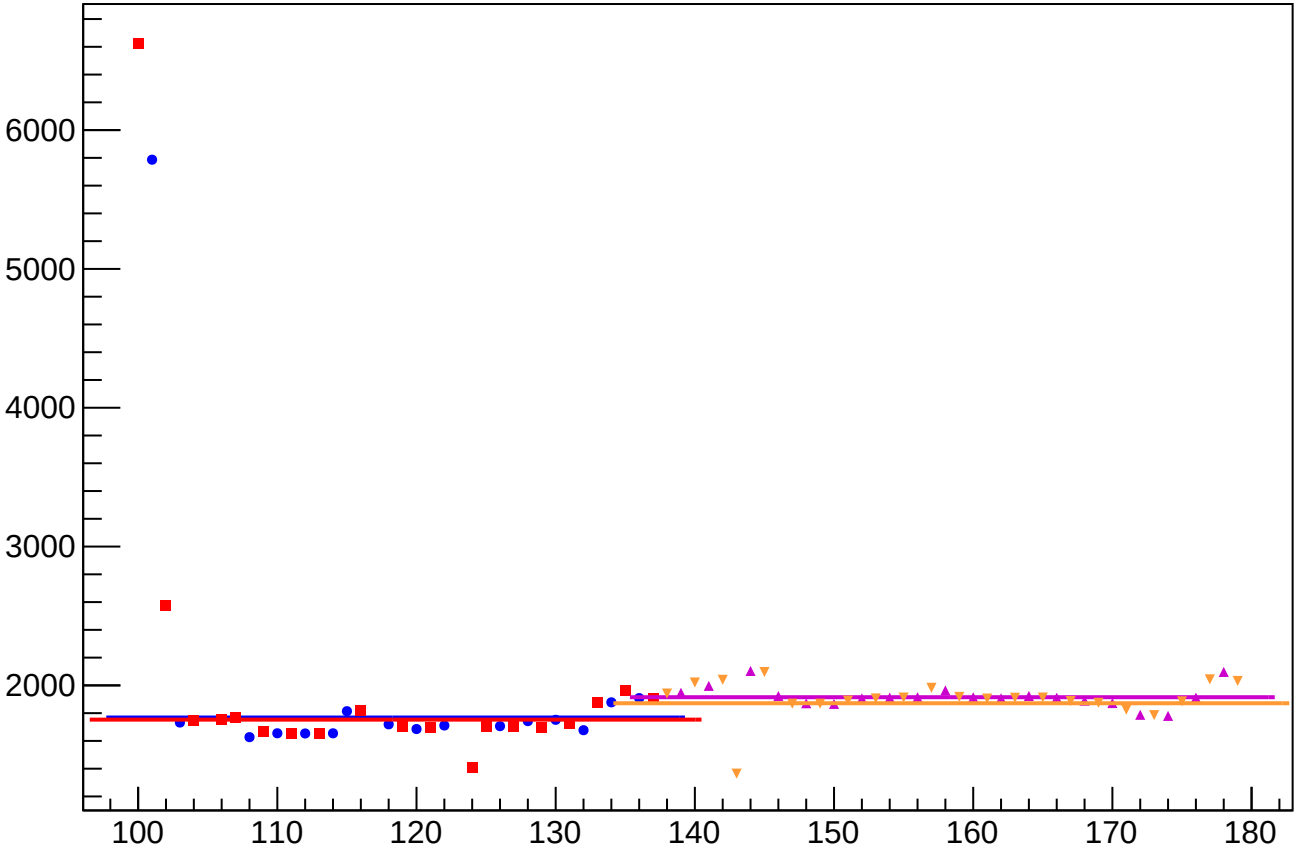
Left In: -2705.014+/-474.086 χ^2/NDF:19.6/19

+ sign 1523.094+/-373.993 χ^2/NDF: 44.7/37

All: -488.596+/-268.119 χ^2/NDF: 141.4/76

- sign -2615.831+/-384.583 χ^2/NDF: 37.2/38

dit_asym_atr1l2_avg_rms vs Slug



Right In: 1768.480+/-0.477 χ^2/NDF: 667367.4/15

Left Out: 1871.396+/-0.318 χ^2/NDF:297254.3/21

Right Out: 1753.383+/-0.464 χ^2/NDF: 218864.4/18

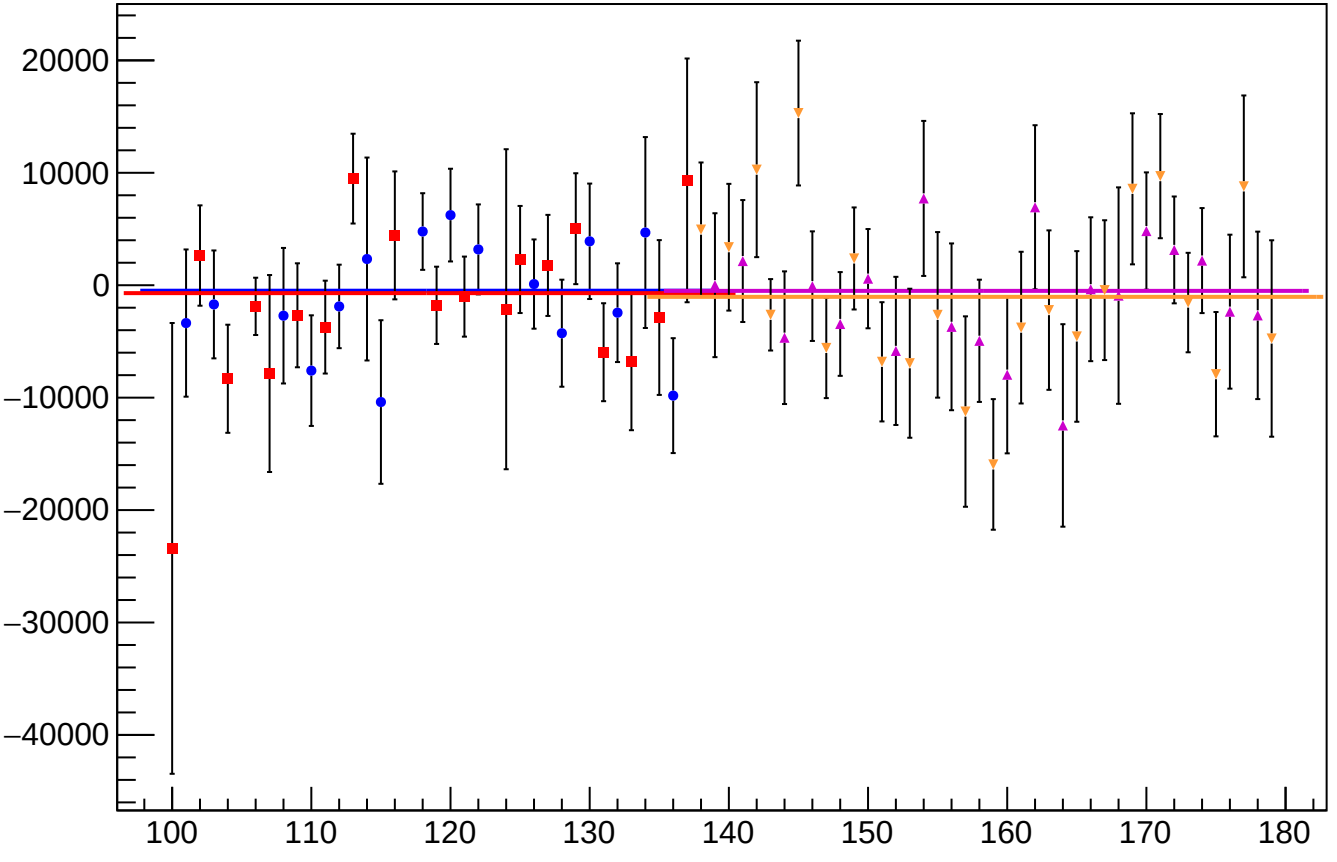
Left In: 1914.844+/-0.335 χ^2/NDF:52276.6/19

+ sign 1839.717+/-0.264 χ^2/NDF: 996890.6/37

All: 1849.312+/-0.190 χ^2/NDF: 1350339.6/76

- sign 1859.441+/-0.272 χ^2/NDF: 350742.5/38

asym_atr1l2_avg_dit_correction_mean vs Slug



Right In: -488.104+/-1198.506 χ^2/NDF: 15.8/15

Left Out: -1034.262+/-1221.143 χ^2/NDF:31.6/21

Right Out: -703.324+/-1069.467 χ^2/NDF: 18.8/18

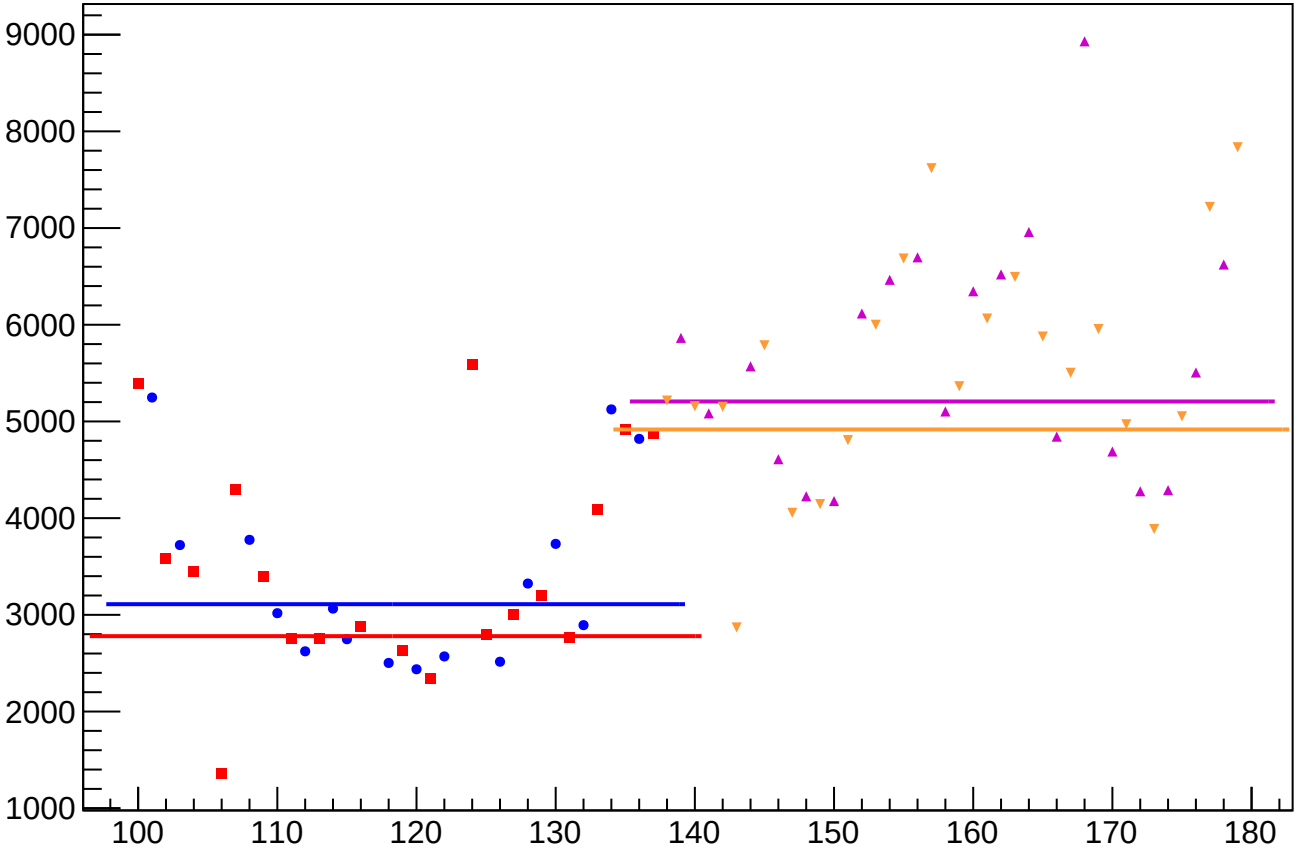
Left In: -502.129+/-1317.001 χ^2/NDF:10.2/19

+ sign -756.074+/-855.363 χ^2/NDF: 47.4/37

All: -687.744+/-595.742 χ^2/NDF: 76.5/76

- sign -623.373+/-830.212 χ^2/NDF: 29.1/38

asym_atr1l2_avg_dit_correction_rms vs Slug



Right In: 3110.133+/-0.847 χ^2/NDF: 883262.4/15

Left Out: 4916.854+/-0.863 χ^2/NDF:2144495.0/21

Right Out: 2779.630+/-0.756 χ^2/NDF: 1348141.7/18

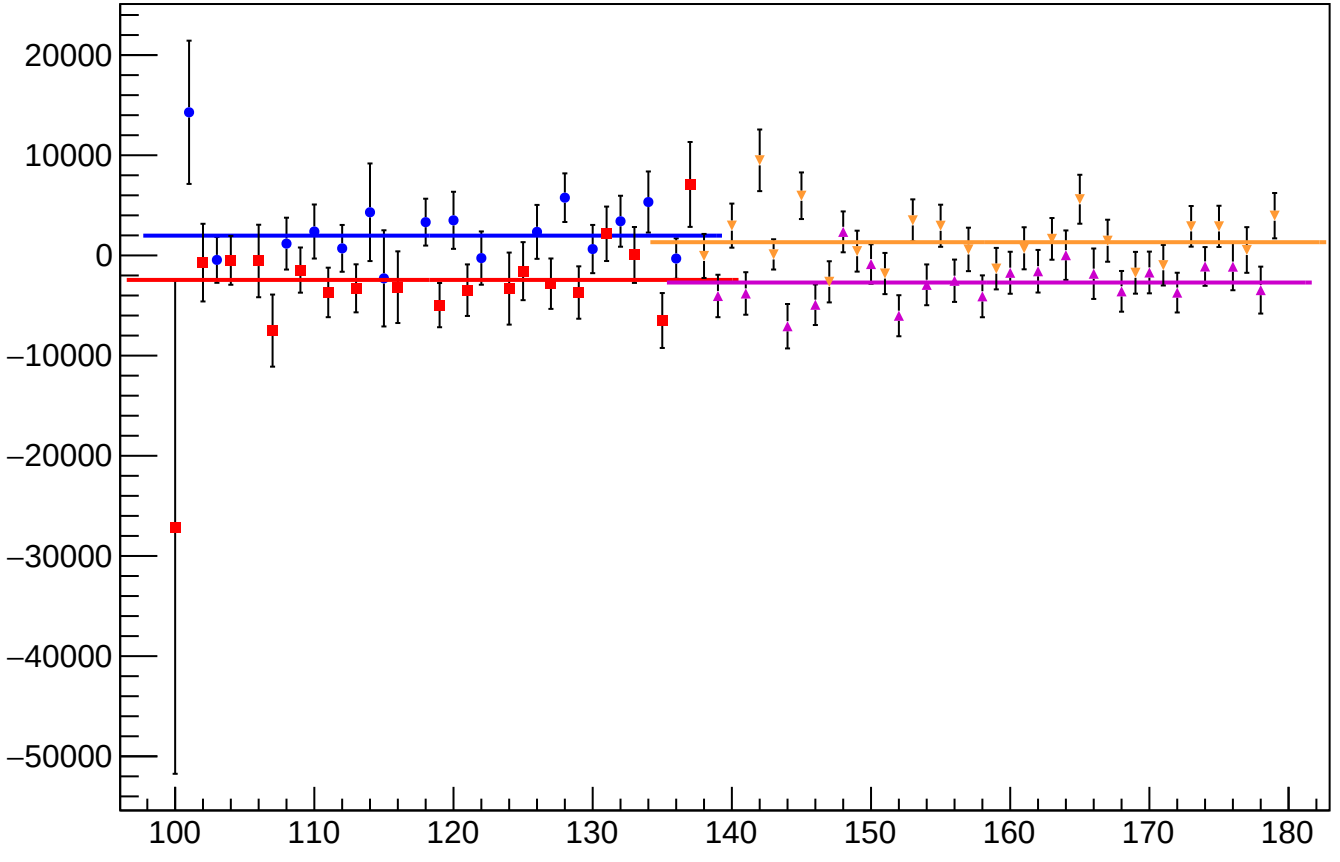
Left In: 5206.574+/-0.931 χ^2/NDF:1193858.2/19

\+ sign 3996.592+/-0.605 χ^2/NDF: 5257731.6/37

All: 3866.553+/-0.421 χ^2/NDF: 11982305.8/7

\- sign 3744.050+/-0.587 χ^2/NDF: 6634803.6/38

eigen_dit_asym_atr1l2_avg_mean vs Slug



Right In: 1975.805+/-674.086 χ^2/NDF: 12.4/15

Left Out: 1321.768+/-449.524 χ^2/NDF:31.6/21

Right Out: -2444.199+/-657.682 χ^2/NDF: 17.5/18

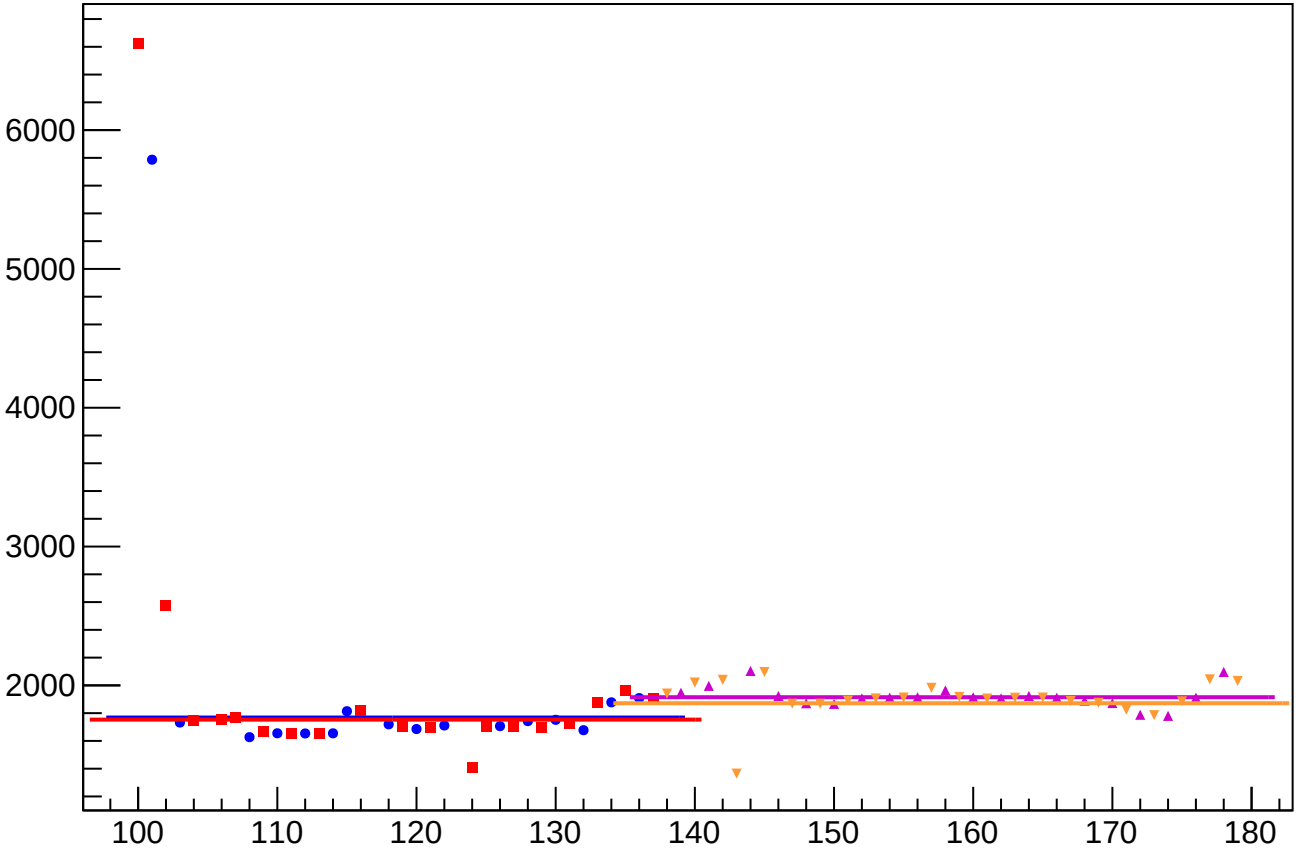
Left In: -2705.014+/-474.086 χ^2/NDF:19.6/19

+ sign 1523.093+/-373.993 χ^2/NDF: 44.7/37

All: -488.597+/-268.119 χ^2/NDF: 141.4/76

- sign -2615.832+/-384.583 χ^2/NDF: 37.2/38

eigen_dit_asym_atr1l2_avg_rms vs Slug



Right In: 1768.480+/-0.477 χ^2/NDF: 667367.4/15

Left Out: 1871.397+/-0.318 χ^2/NDF:297257.8/21

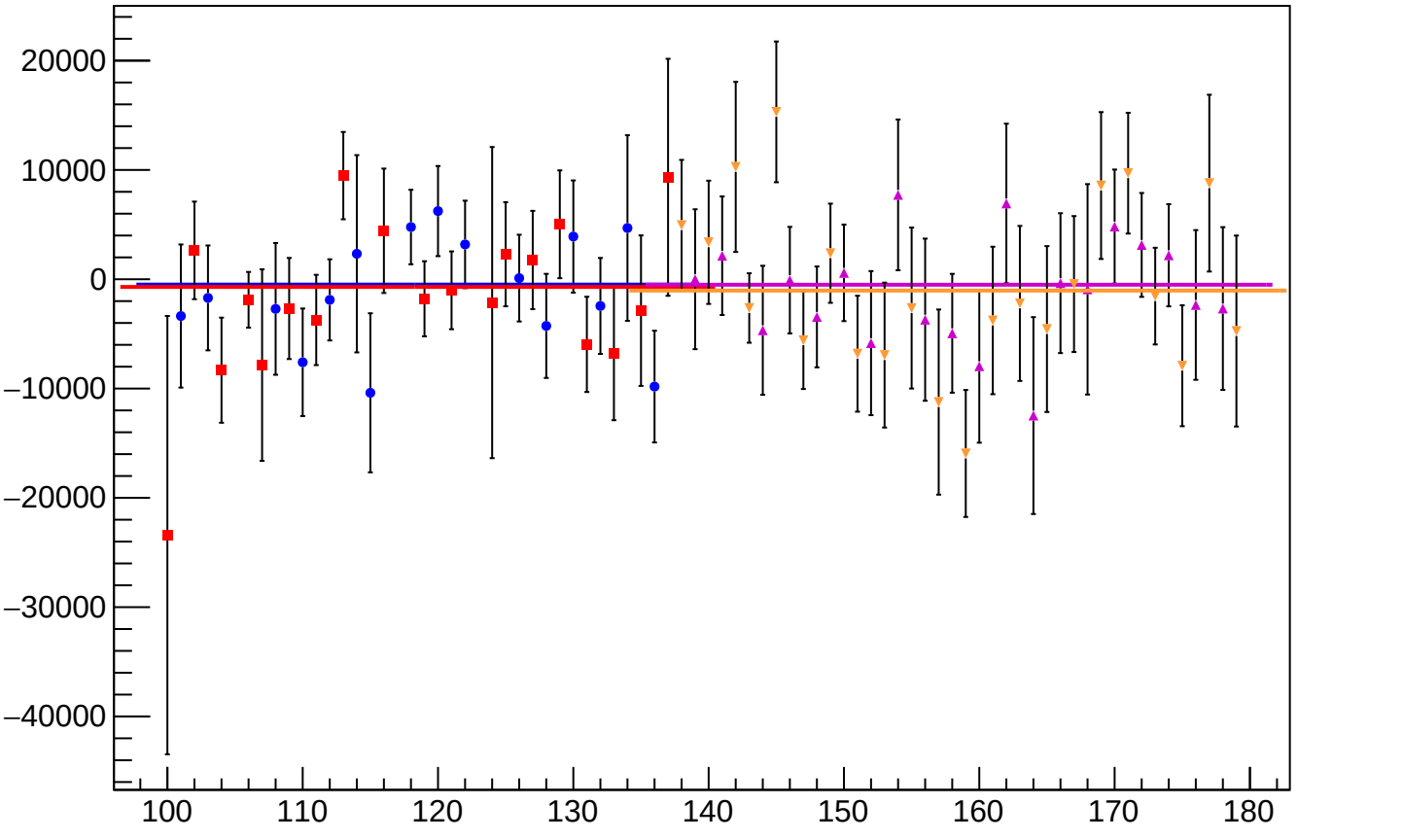
Right Out: 1753.382+/-0.464 χ^2/NDF: 218864.3/18

Left In: 1914.845+/-0.335 χ^2/NDF:52278.7/19

+ sign 1839.717+/-0.264 χ^2/NDF: 996894.8/37

All: 1849.313+/-0.190 χ^2/NDF: 1350346.8/76

- sign 1859.442+/-0.272 χ^2/NDF: 350745.7/38



Right In: -488.098+/-1198.502 χ^2/NDF: 15.8/15

Left Out: -1034.267+/-1221.145 χ^2/NDF:31.6/21

Right Out: -703.325+/-1069.463 χ^2/NDF: 18.8/18

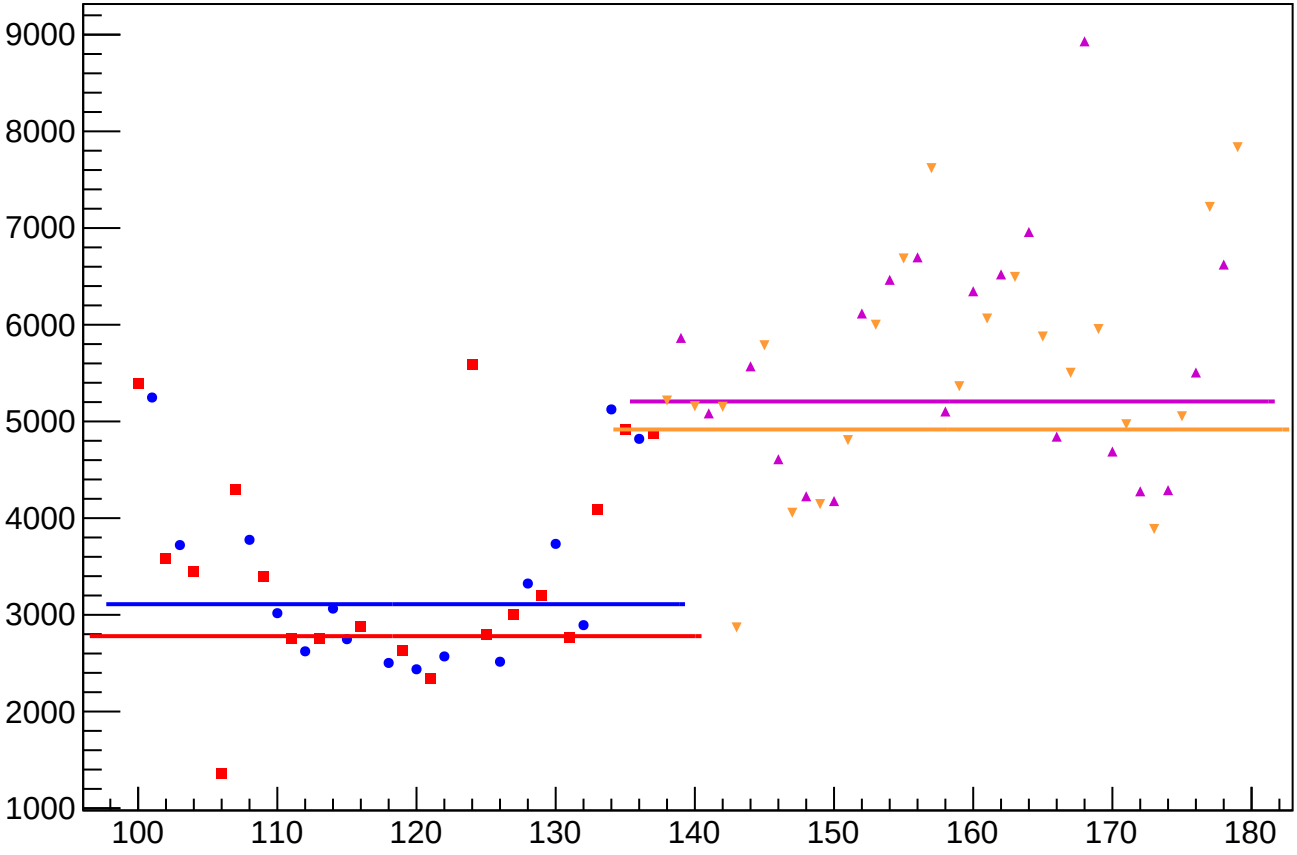
Left In: -502.130+/-1317.003 χ^2/NDF:10.2/19

\+ sign -756.072+/-855.362 χ^2/NDF: 47.4/37

All: -687.744+/-595.741 χ^2/NDF: 76.5/76

\- sign -623.375+/-830.211 χ^2/NDF: 29.1/38

asym_atr1l2_avg_eigen_dit_correction_rms vs Slug



Right In: 3110.121+/-0.847 χ^2/NDF: 883272.2/15

Left Out: 4916.861+/-0.863 χ^2/NDF:2144502.3/21

Right Out: 2779.617+/-0.756 χ^2/NDF: 1348160.7/18

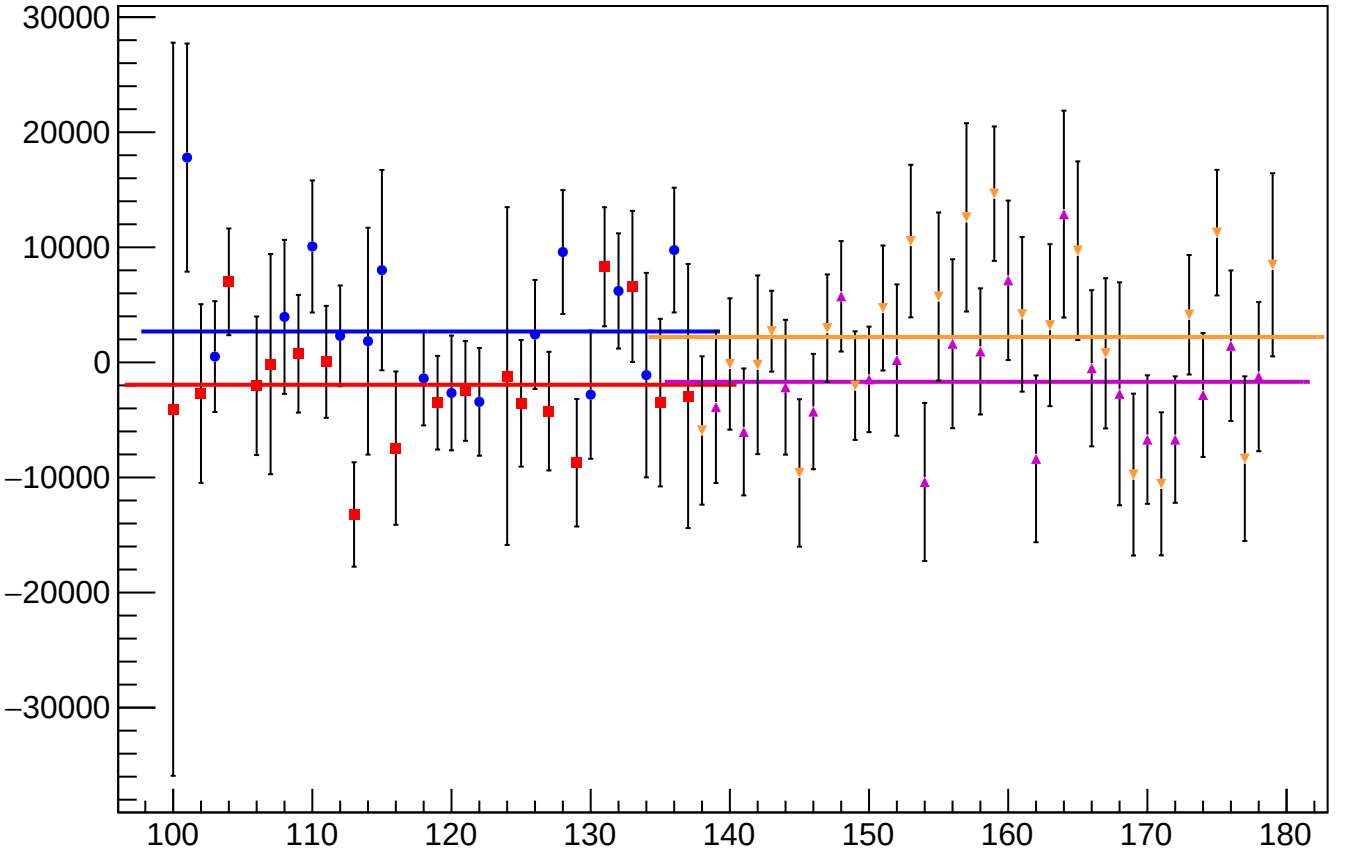
Left In: 5206.582+/-0.931 χ^2/NDF:1193859.7/19

+ sign 3996.585+/-0.605 χ^2/NDF: 5257796.2/37

All: 3866.544+/-0.421 χ^2/NDF: 11982469.0/7

- sign 3744.039+/-0.587 χ^2/NDF: 6634898.9/38

asym_atr1l2_avg_mean vs Slug



Right In: 2685.414+/-1379.907 χ^2/NDF: 13.5/15

Left Out: 2213.128+/-1268.279 χ^2/NDF:28.2/21

Right Out: -1945.685+/-1332.986 χ^2/NDF: 18.7/18

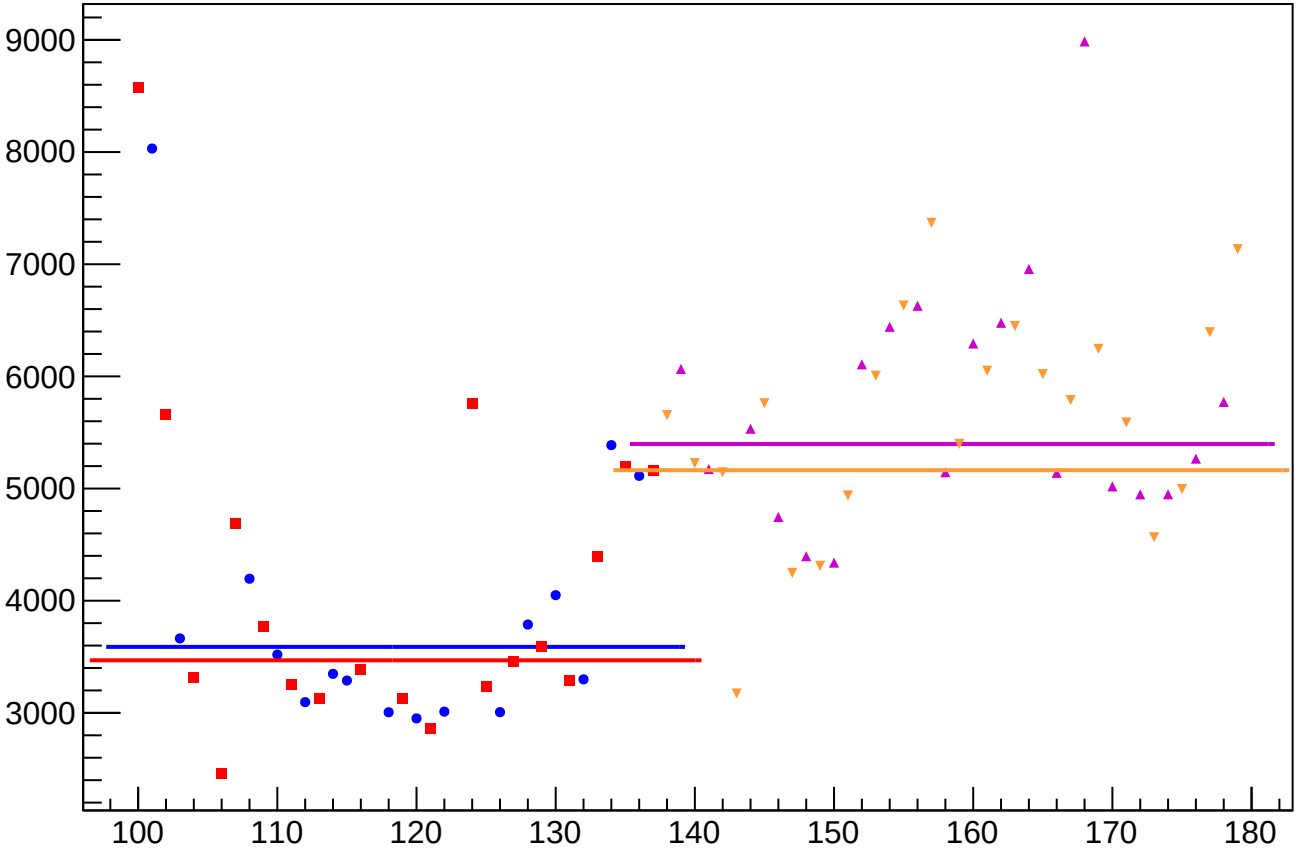
Left In: -1687.758+/-1356.508 χ^2/NDF:12.6/19

+ sign 2429.399+/-933.782 χ^2/NDF: 41.7/37

All: 343.505+/-666.209 χ^2/NDF: 83.2/76

- sign -1818.977+/-950.771 χ^2/NDF: 31.3/38

asym_atr1l2_avg_rms vs Slug



Right In: 3588.430+/-0.976 χ^2/NDF: 845218.6/15

Left Out: 5163.482+/-0.897 χ^2/NDF:1490546.6/21

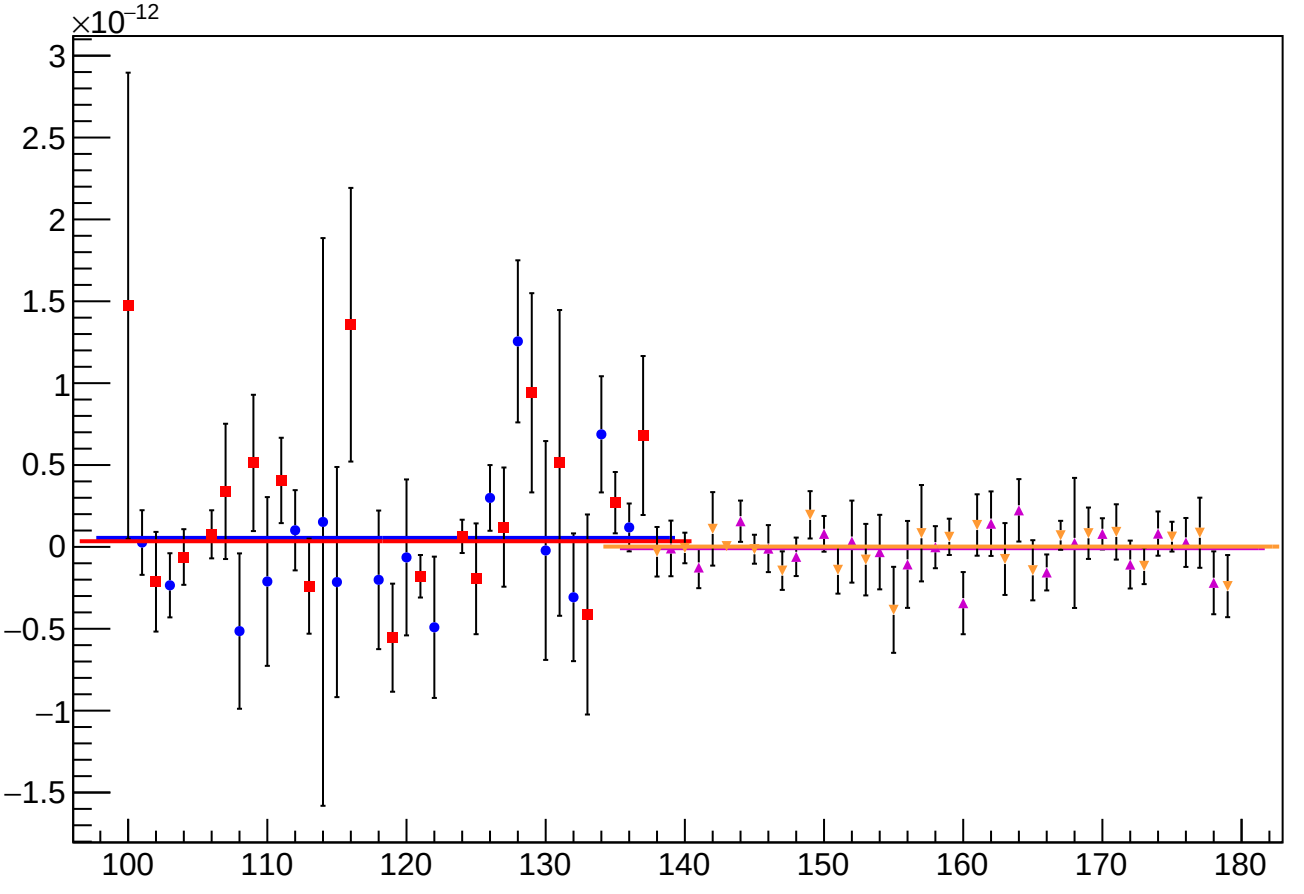
Right Out: 3468.624+/-0.928 χ^2/NDF: 666541.5/18

Left In: 5397.239+/-0.959 χ^2/NDF:841847.3/19

+ sign 4442.229+/-0.660 χ^2/NDF: 3748245.8/37

All: 4421.982+/-0.469 χ^2/NDF: 7346173.2/76

- sign 4401.318+/-0.667 χ^2/NDF: 3596027.5/38



Right In: 0.000+/-0.000 χ^2/NDF: 17.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.0/21

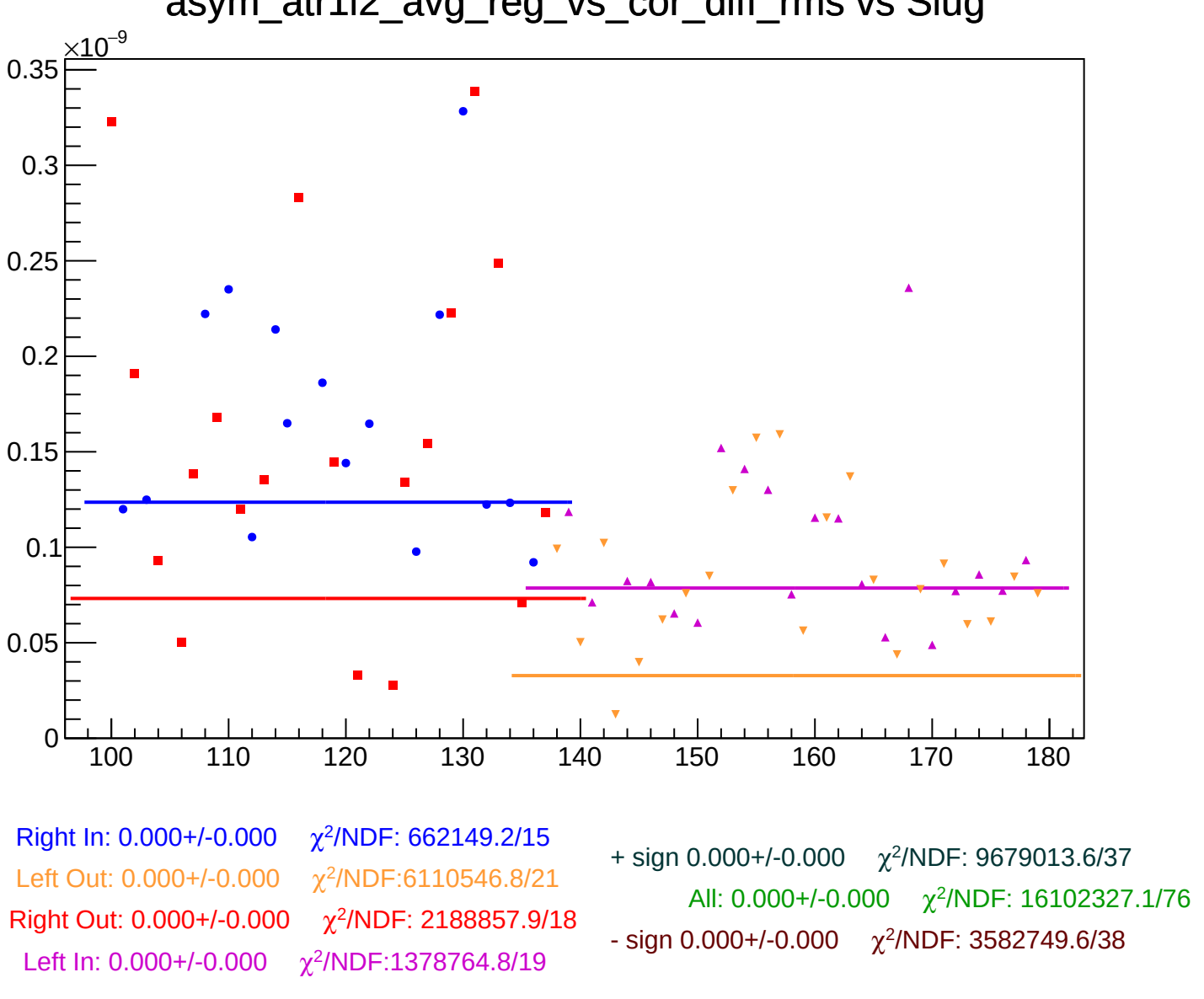
Right Out: 0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: -0.000+/-0.000 χ^2/NDF:13.6/19

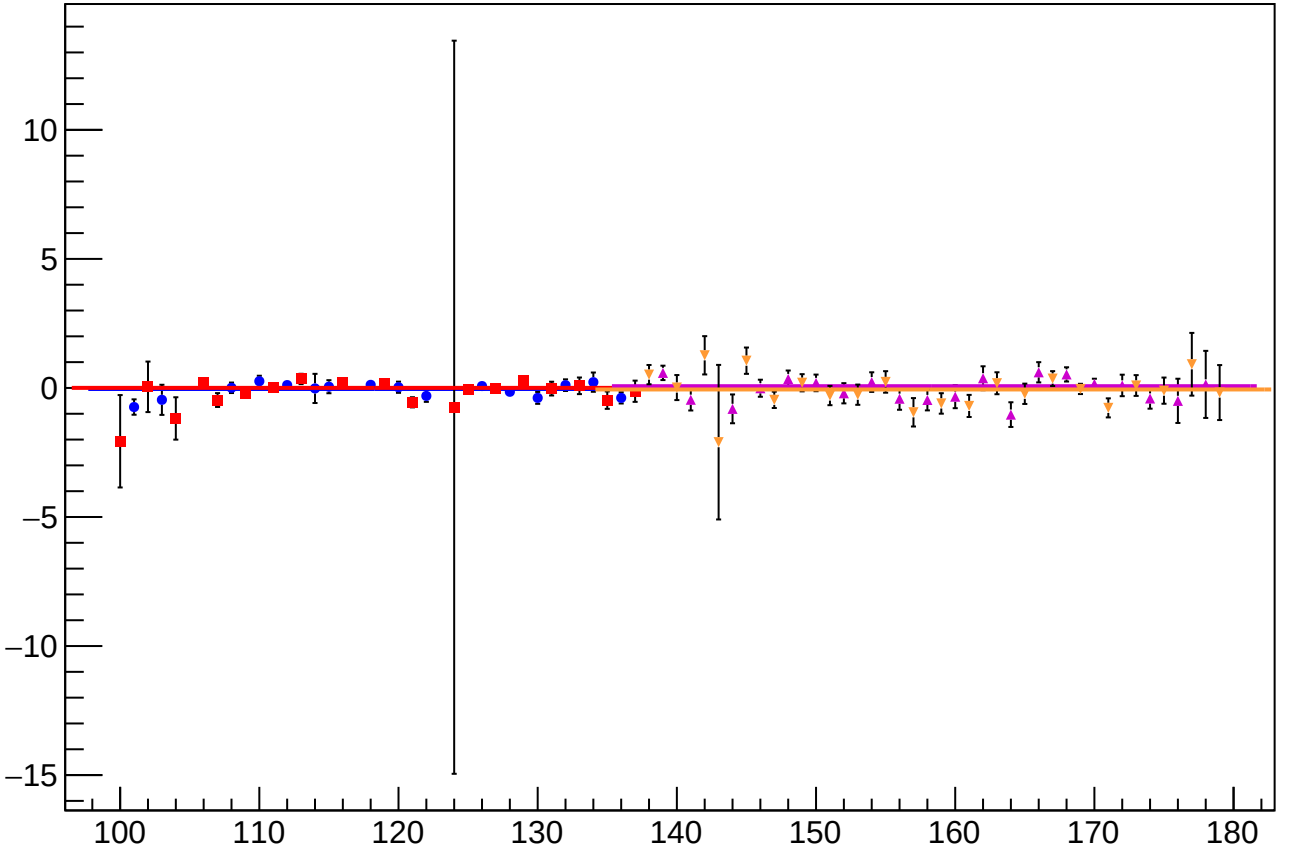
+ sign 0.000+/-0.000 χ^2/NDF: 31.3/37

All: 0.000+/-0.000 χ^2/NDF: 67.6/76

- sign 0.000+/-0.000 χ^2/NDF: 36.3/38


asym_atr1l2_avg_reg_vs_cor_diff_rms vs Slug
×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
180
Right In: 0.000+/-0.000 χ²/NDF: 662149.2/15
Left Out: 0.000+/-0.000 χ²/NDF:6110546.8/21
Right Out: 0.000+/-0.000 χ²/NDF: 2188857.9/18
Left In: 0.000+/-0.000 χ²/NDF:1378764.8/19
+ sign 0.000+/-0.000 χ²/NDF: 9679013.6/37
All: 0.000+/-0.000 χ²/NDF: 16102327.1/76
- sign 0.000+/-0.000 χ²/NDF: 3582749.6/38

asym_atr1l2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: -0.059+/-0.085 χ^2/NDF:28.1/21

Right Out: 0.003+/-0.051 χ^2/NDF: 28.7/18

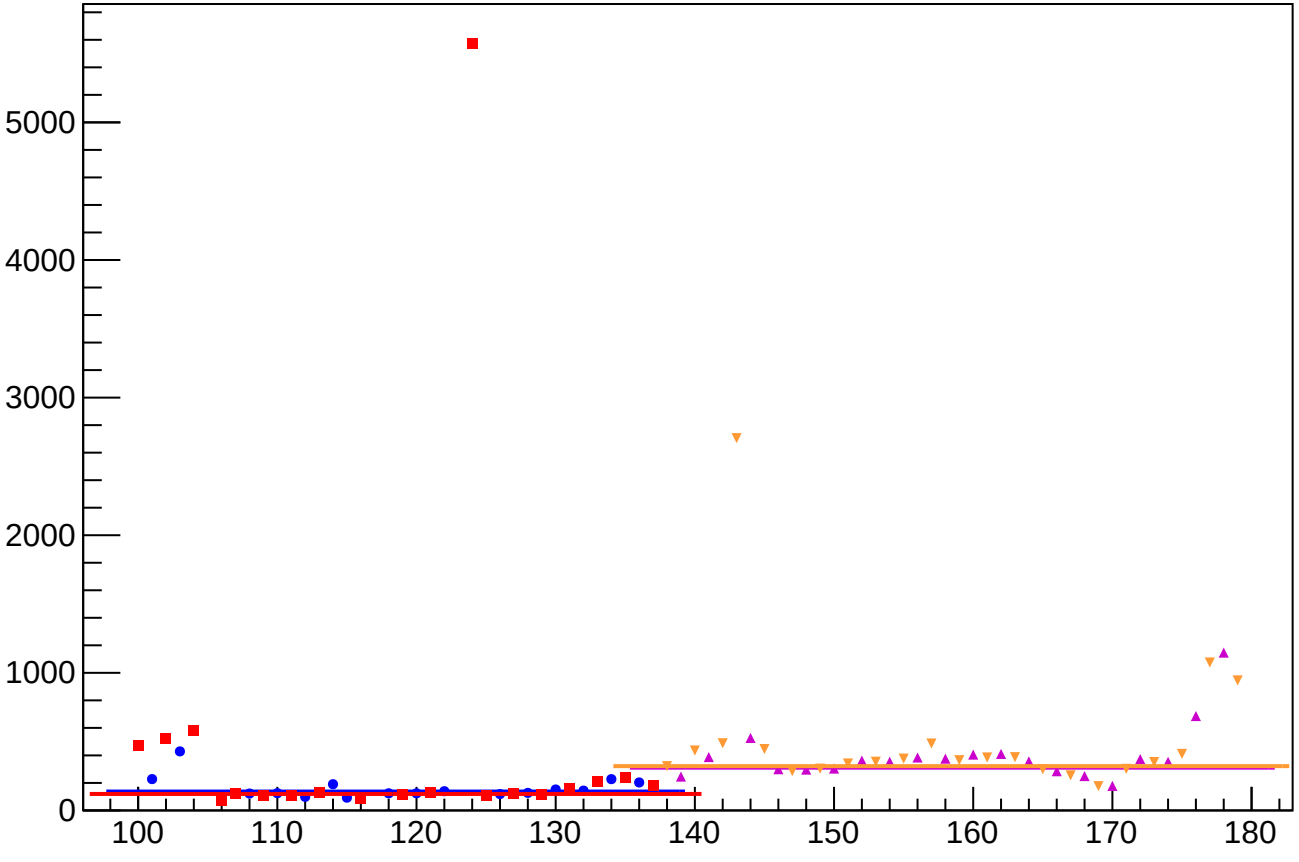
Left In: 0.068+/-0.082 χ^2/NDF:25.4/19

\+ sign -0.045+/-0.047 χ^2/NDF: 46.0/37

All: -0.010+/-0.032 χ^2/NDF: 101.7/76

\- sign 0.021+/-0.043 χ^2/NDF: 54.6/38

asym_atr1l2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 137.399+/-0.039 χ^2/NDF: 1268257.0/15

Left Out: 322.019+/-0.060 χ^2/NDF:4688509.8/21

Right Out: 120.006+/-0.036 χ^2/NDF: 2139894.0/18

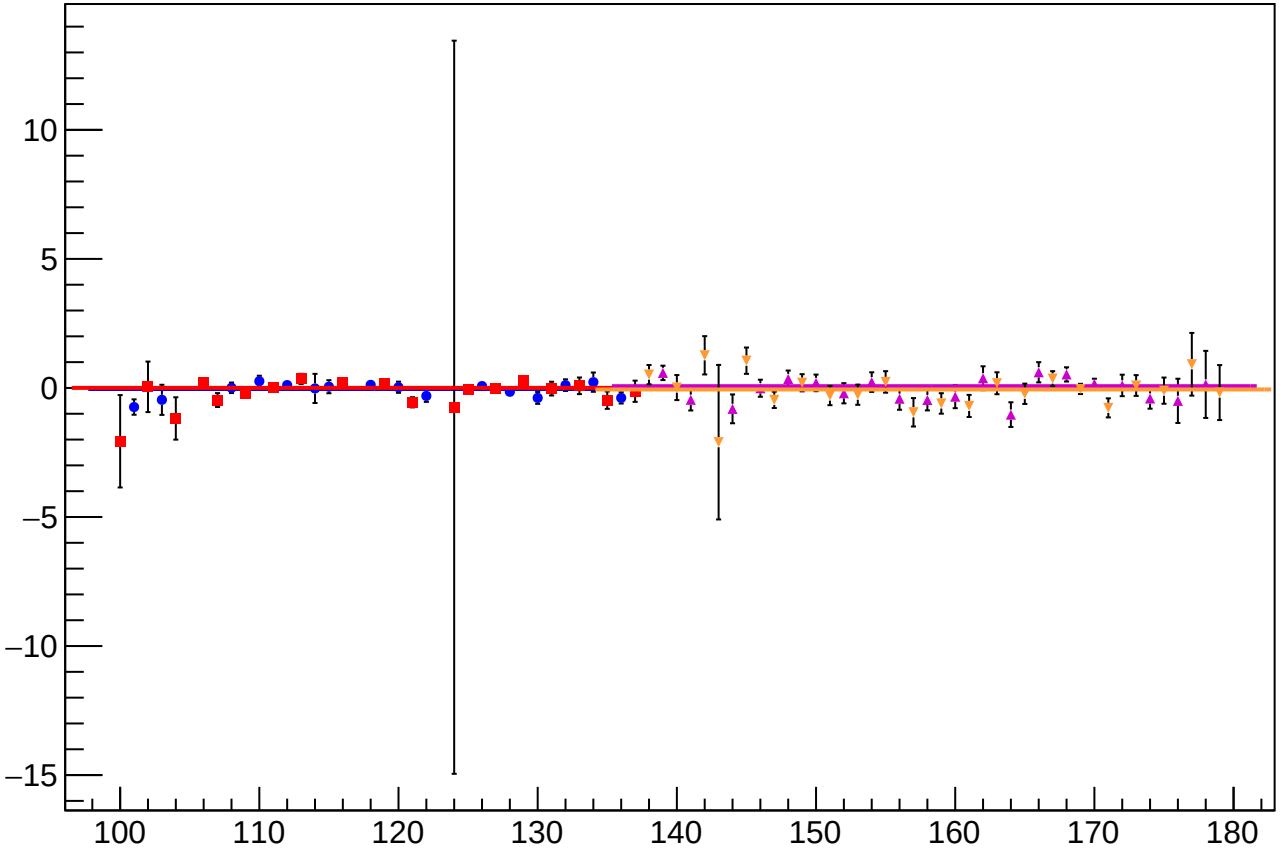
Left In: 310.902+/-0.058 χ^2/NDF:3106524.3/19

+ sign 193.193+/-0.033 χ^2/NDF: 12568343.6/37

All: 182.243+/-0.022 χ^2/NDF: 25791285.8/76

- sign 172.794+/-0.031 χ^2/NDF: 13017473.5/38

asym_atr1l2_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: -0.059+/-0.085 χ^2/NDF:28.1/21

Right Out: 0.003+/-0.051 χ^2/NDF: 28.7/18

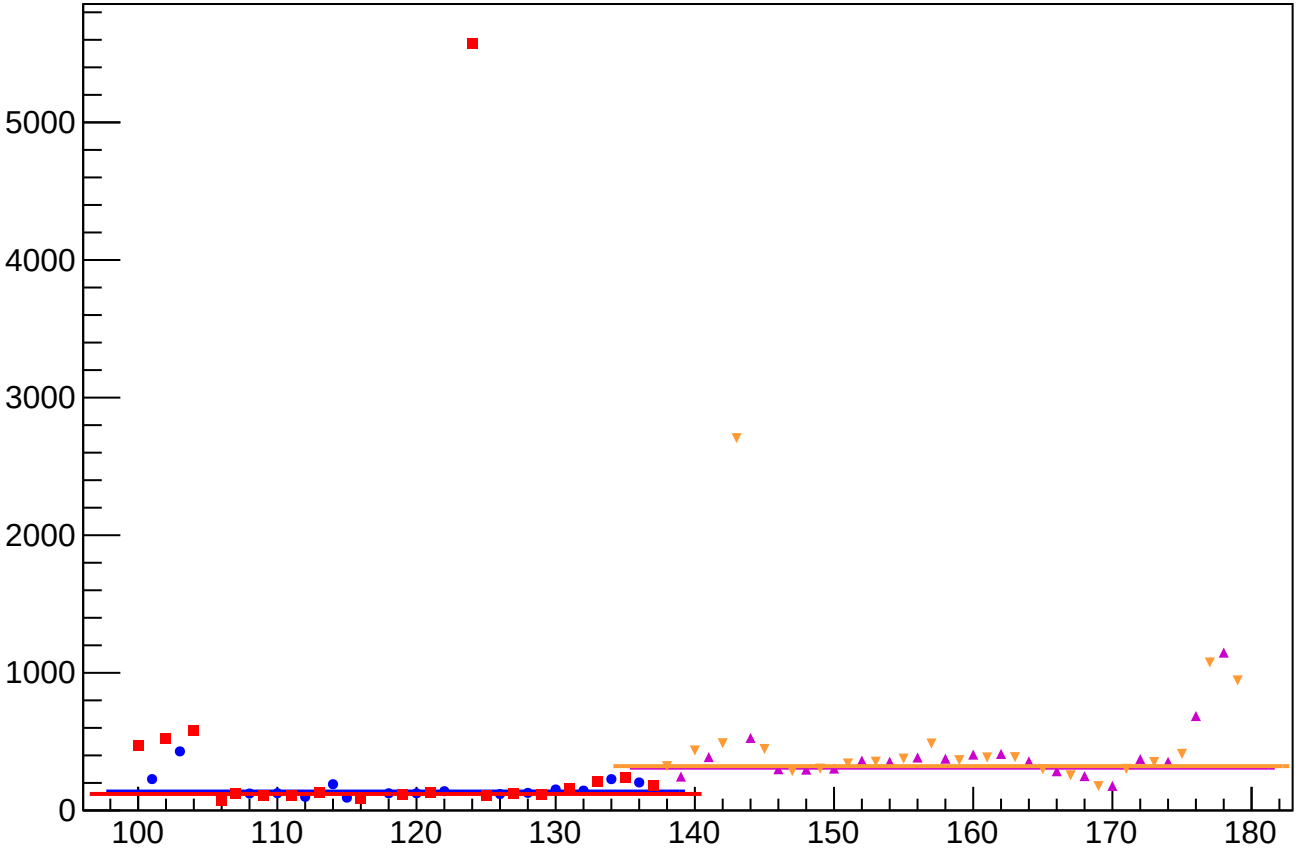
Left In: 0.068+/-0.082 χ^2/NDF:25.4/19

+ sign -0.045+/-0.047 χ^2/NDF: 46.0/37

All: -0.010+/-0.032 χ^2/NDF: 101.7/76

- sign 0.021+/-0.043 χ^2/NDF: 54.6/38

asym_atr1l2_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 137.399+/-0.039 χ^2/NDF: 1268257.0/15

Left Out: 322.019+/-0.060 χ^2/NDF:4688509.8/21

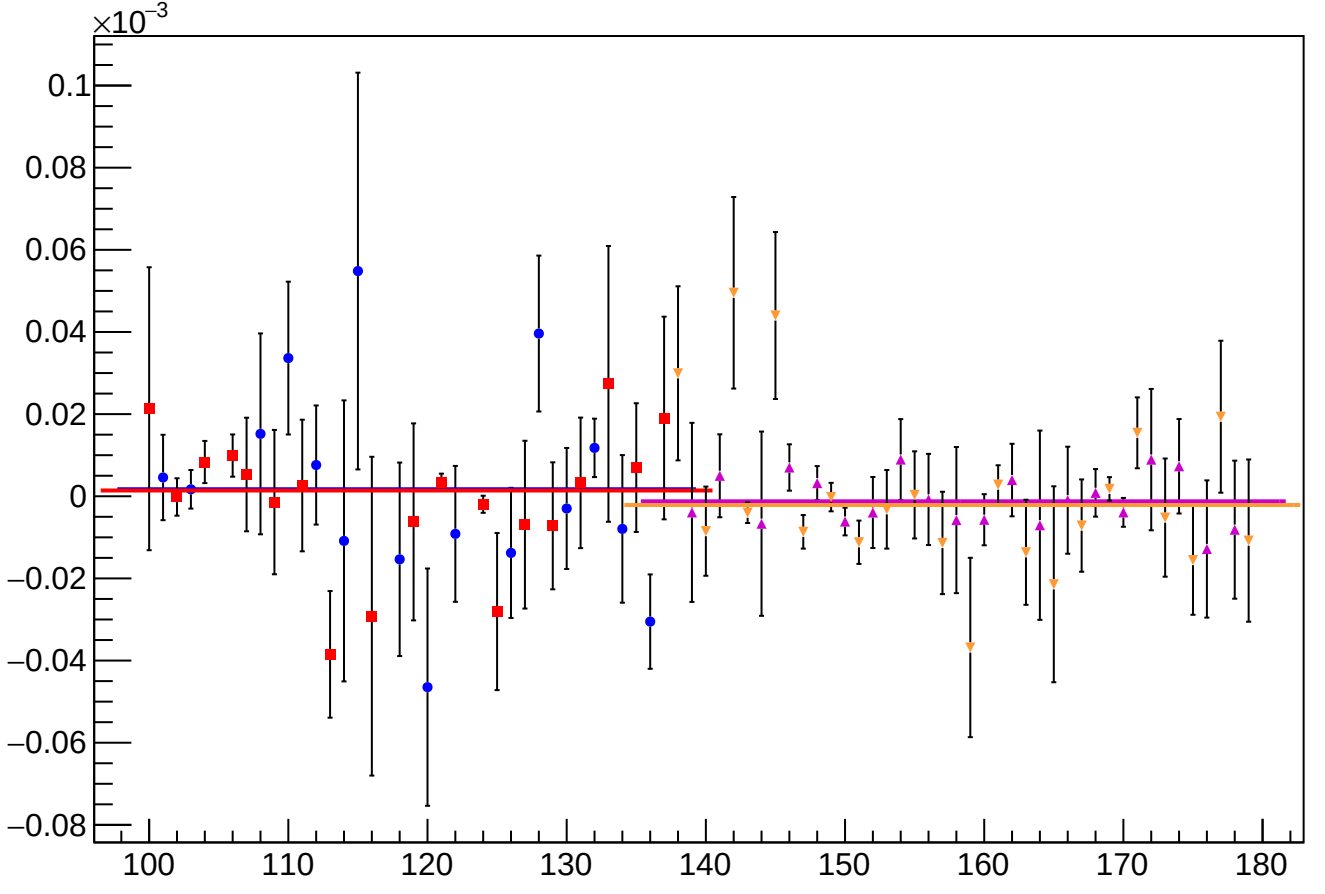
Right Out: 120.006+/-0.036 χ^2/NDF: 2139894.0/18

Left In: 310.902+/-0.058 χ^2/NDF:3106524.3/19

+ sign 193.193+/-0.033 χ^2/NDF: 12568343.6/37

All: 182.243+/-0.022 χ^2/NDF: 25791285.8/76

- sign 172.794+/-0.031 χ^2/NDF: 13017473.5/38



Right In: 0.000+/-0.000 χ^2/NDF: 23.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:33.6/21

Right Out: 0.000+/-0.000 χ^2/NDF: 20.3/18

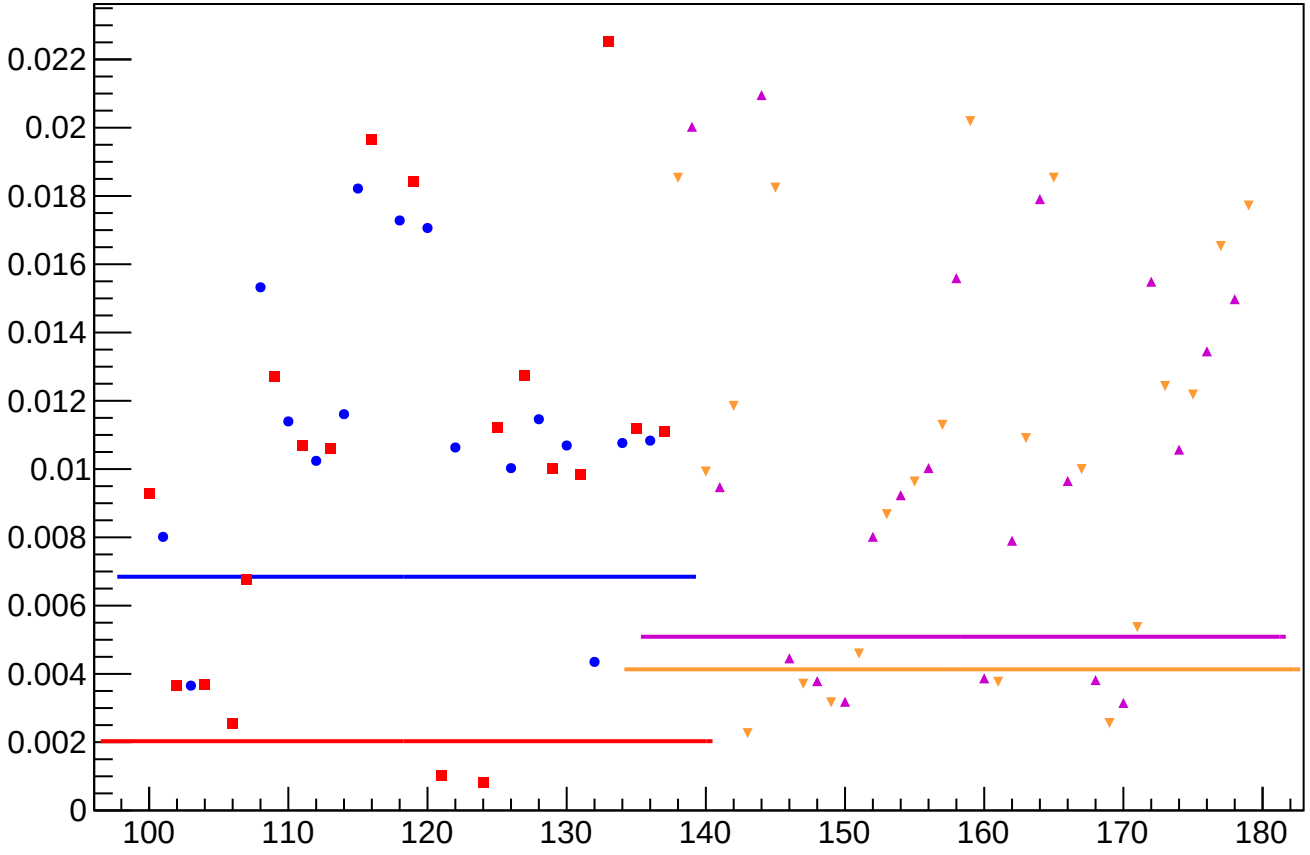
Left In: -0.000+/-0.000 χ^2/NDF:10.3/19

+ sign -0.000+/-0.000 χ^2/NDF: 58.8/37

All: -0.000+/-0.000 χ^2/NDF: 92.6/76

- sign 0.000+/-0.000 χ^2/NDF: 32.3/38

asym_atr1l2_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 3230112.6/15

Left Out: 0.004+/-0.000 χ^2/NDF:12442672.2/21

Right Out: 0.002+/-0.000 χ^2/NDF: 9007527.0/18

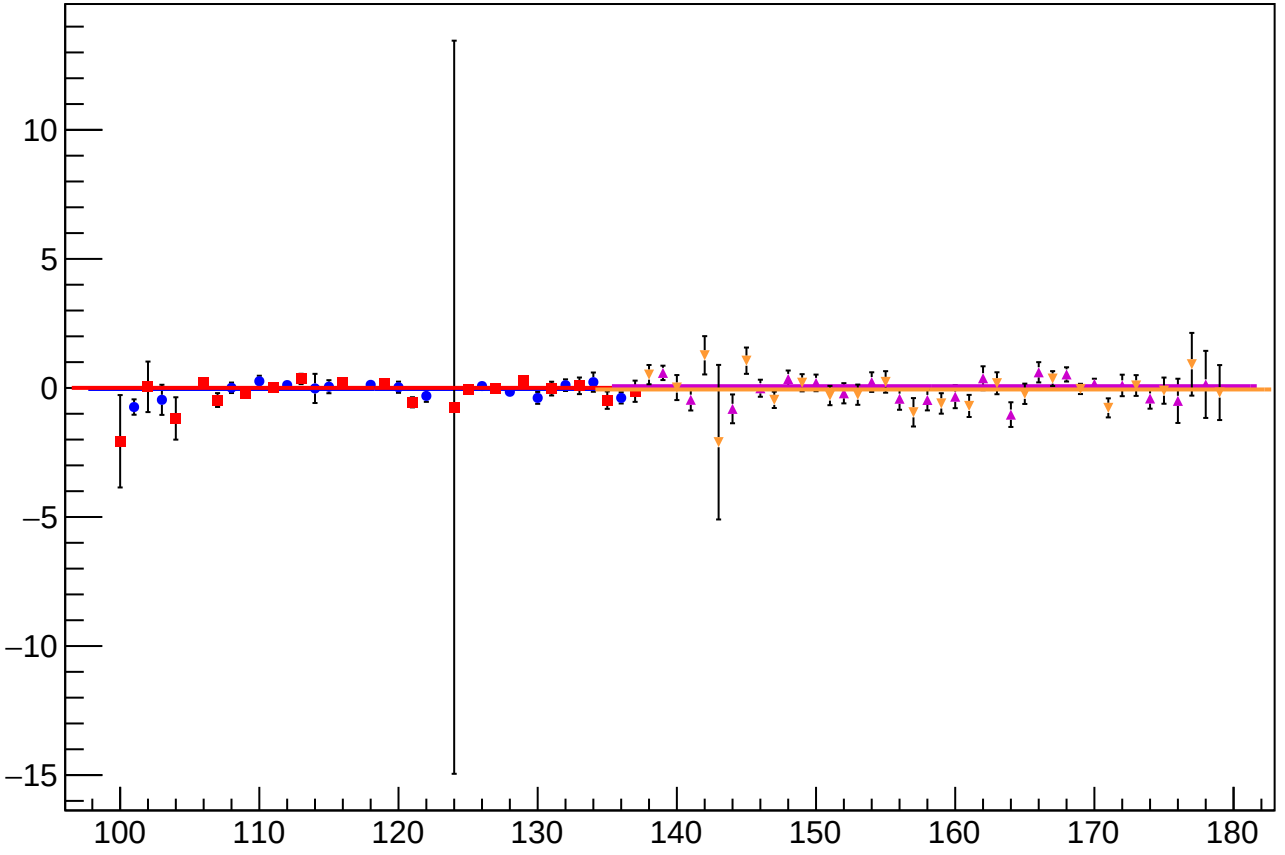
Left In: 0.005+/-0.000 χ^2/NDF:9084253.4/19

+ sign 0.005+/-0.000 χ^2/NDF: 17075089.7/37

All: 0.004+/-0.000 χ^2/NDF: 41309876.1/76

- sign 0.003+/-0.000 χ^2/NDF: 22697238.1/38

asym_atr1l2_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: -0.059+/-0.085 χ^2/NDF:28.1/21

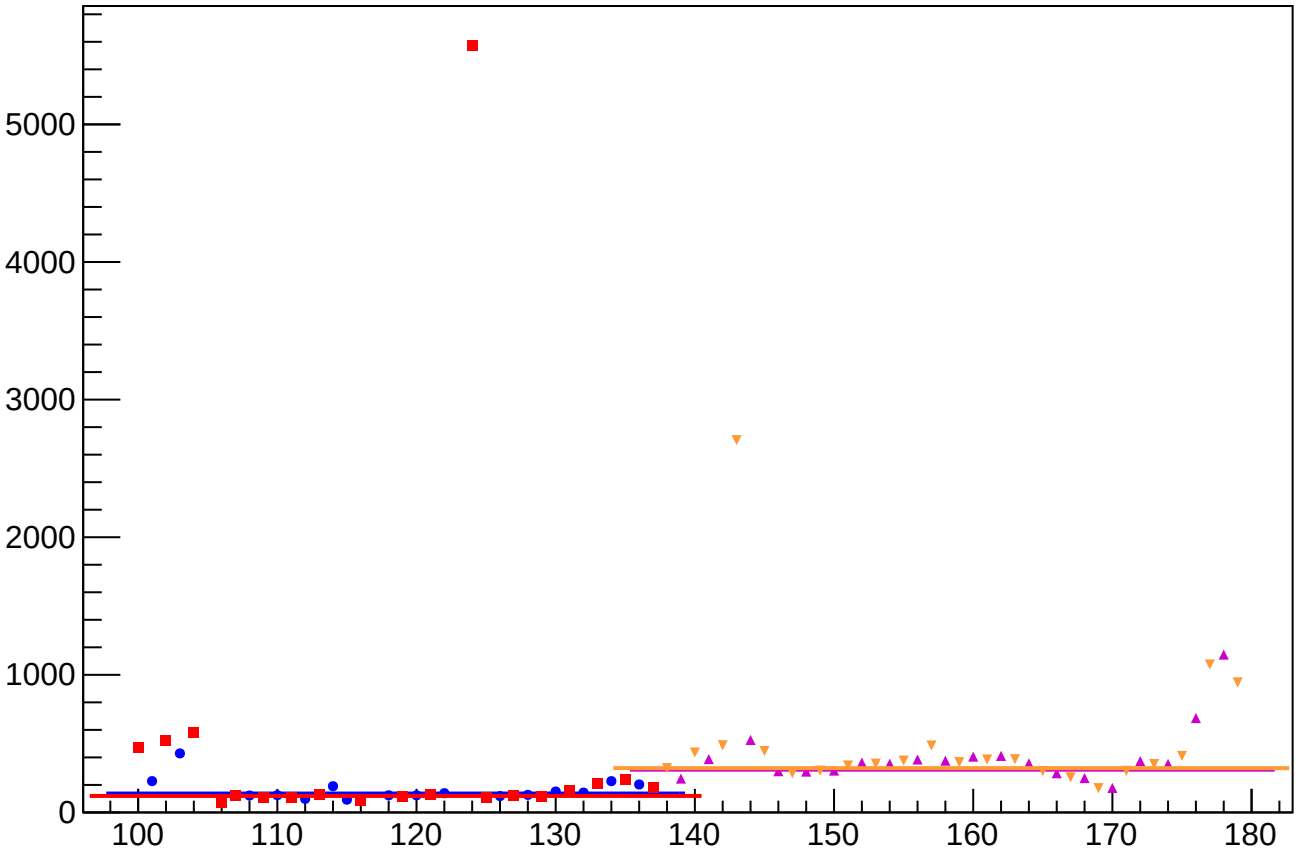
Right Out: 0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: 0.068+/-0.082 χ^2/NDF:25.4/19

\+ sign -0.045+/-0.047 χ^2/NDF: 46.0/37

All: -0.010+/-0.032 χ^2/NDF: 101.7/76

\- sign 0.021+/-0.043 χ^2/NDF: 54.6/38



Right In: 137.400+/-0.039 χ^2/NDF: 1268197.9/15

Left Out: 322.021+/-0.060 χ^2/NDF:4688564.3/21

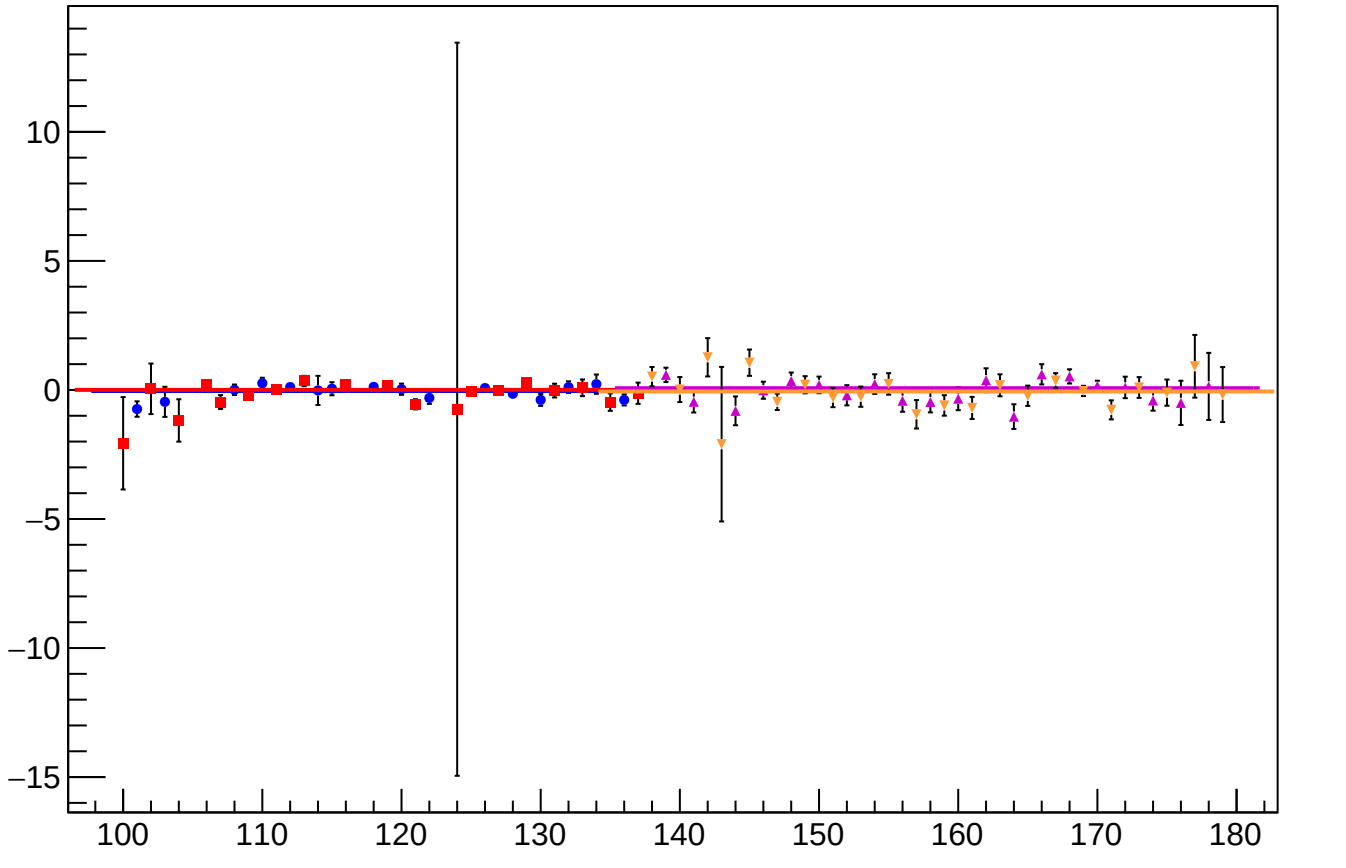
Right Out: 120.006+/-0.036 χ^2/NDF: 2139820.8/18

Left In: 310.905+/-0.058 χ^2/NDF:3106520.7/19

+ sign 193.194+/-0.033 χ^2/NDF: 12568325.0/37

All: 182.244+/-0.022 χ^2/NDF: 25791339.2/76

- sign 172.794+/-0.031 χ^2/NDF: 13017524.0/38



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: -0.059+/-0.085 χ^2/NDF:28.1/21

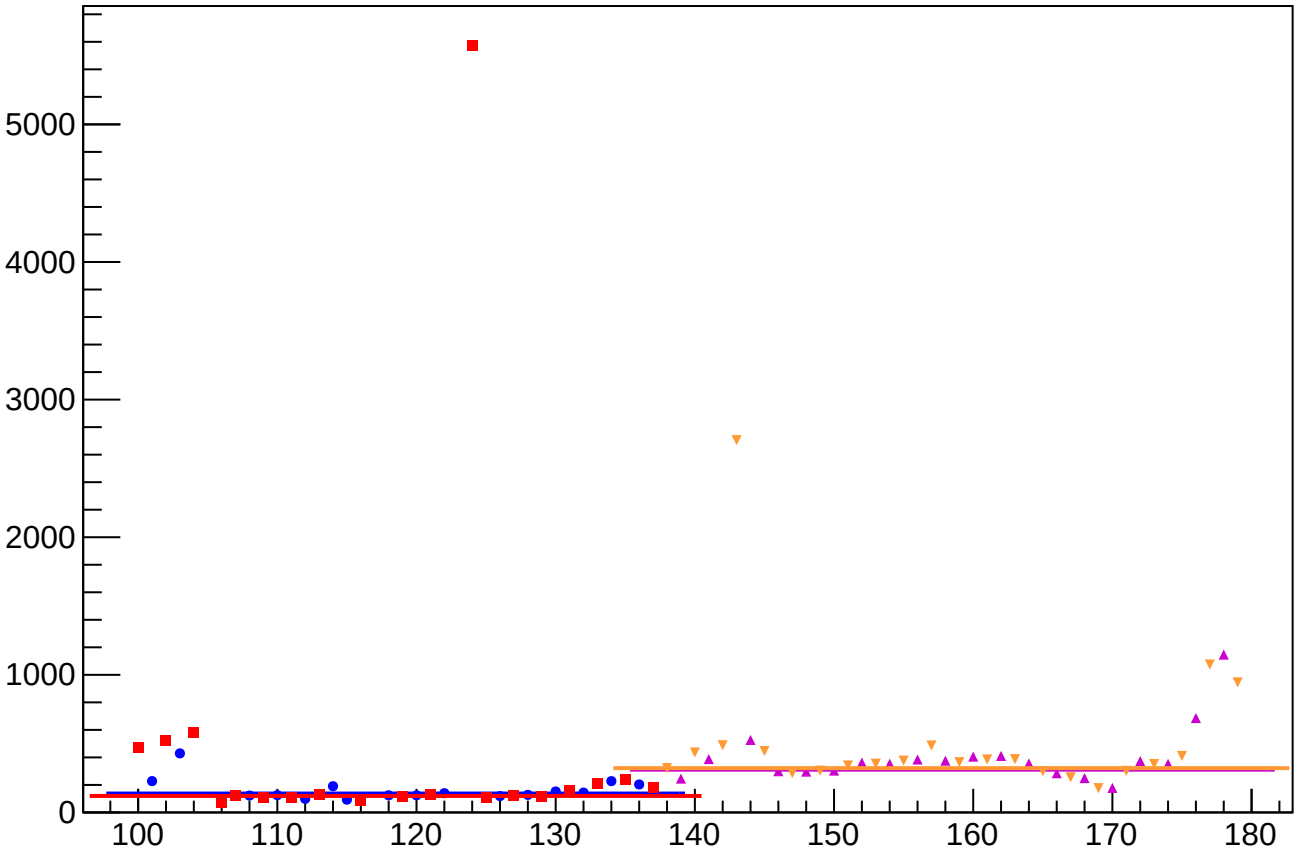
Right Out: 0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: 0.068+/-0.082 χ^2/NDF:25.4/19

+ sign -0.045+/-0.047 χ^2/NDF: 46.0/37

All: -0.010+/-0.032 χ^2/NDF: 101.7/76

- sign 0.021+/-0.043 χ^2/NDF: 54.6/38



Right In: 137.400+/-0.039 χ^2/NDF: 1268197.9/15

Left Out: 322.021+/-0.060 χ^2/NDF:4688564.3/21

Right Out: 120.006+/-0.036 χ^2/NDF: 2139820.8/18

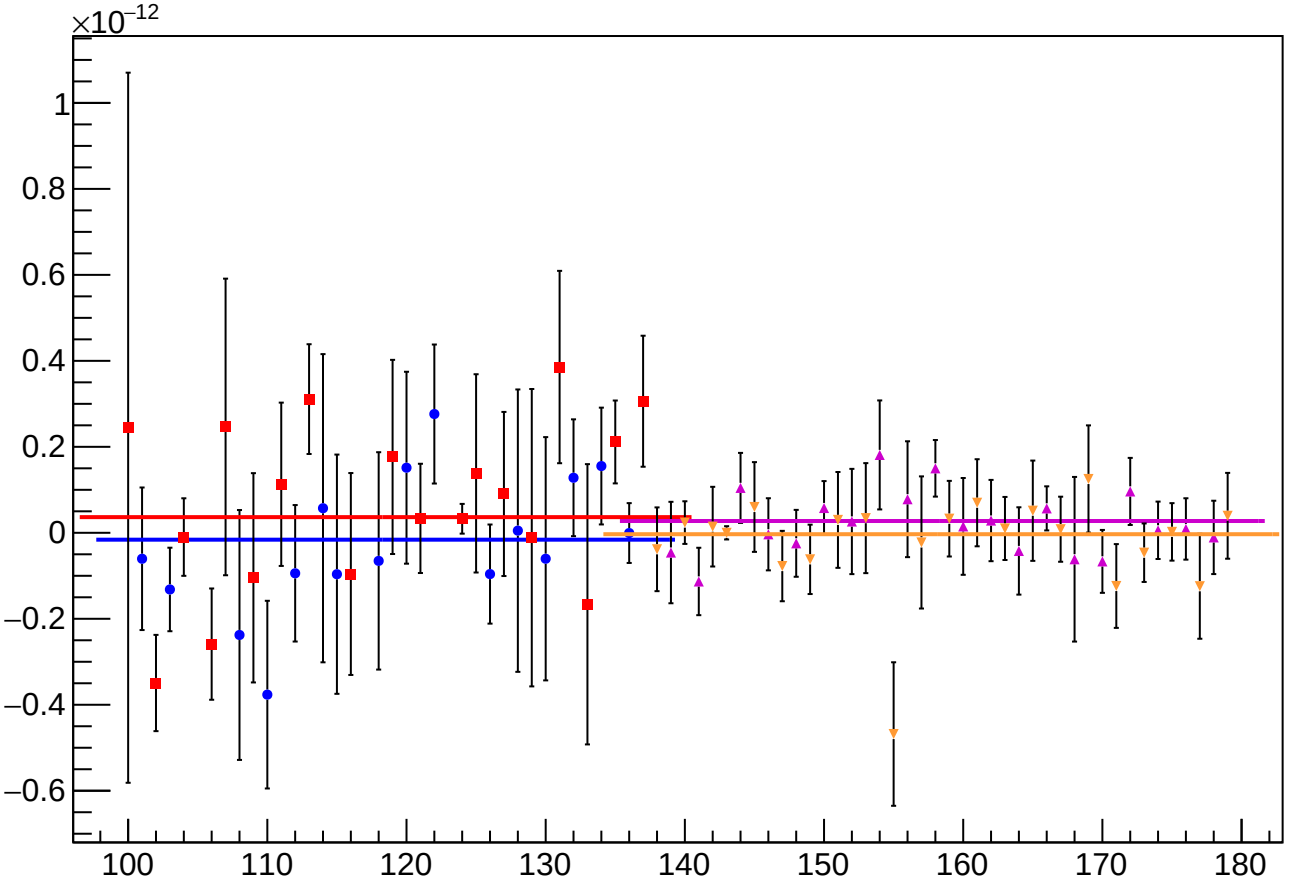
Left In: 310.905+/-0.058 χ^2/NDF:3106520.7/19

\+ sign 193.194+/-0.033 χ^2/NDF: 12568325.0/37

All: 182.244+/-0.022 χ^2/NDF: 25791339.2/76

\- sign 172.794+/-0.031 χ^2/NDF: 13017524.0/38

asym_atr1l2_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 12.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.3/21

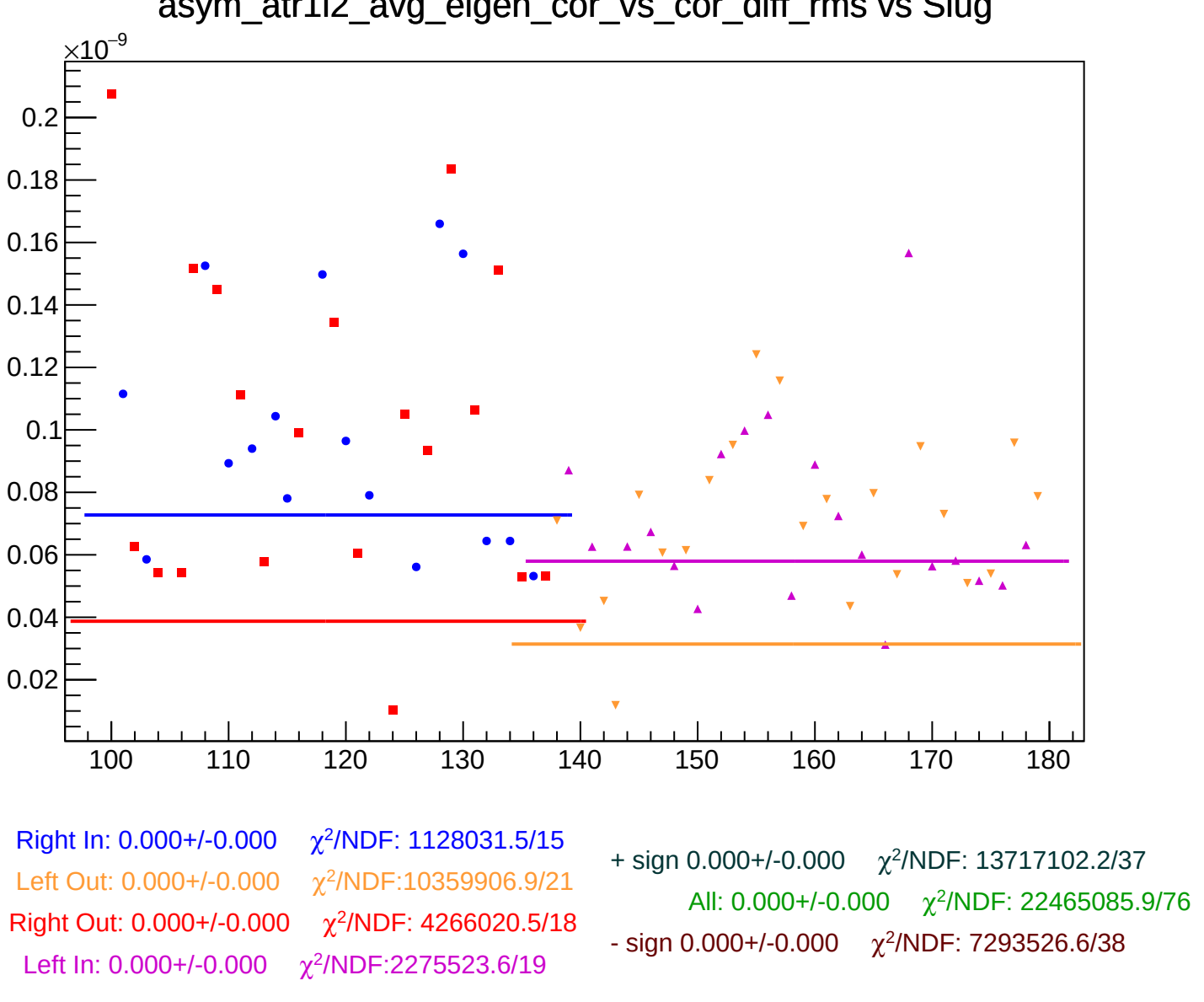
Right Out: 0.000+/-0.000 χ^2/NDF: 33.2/18

Left In: 0.000+/-0.000 χ^2/NDF:14.2/19

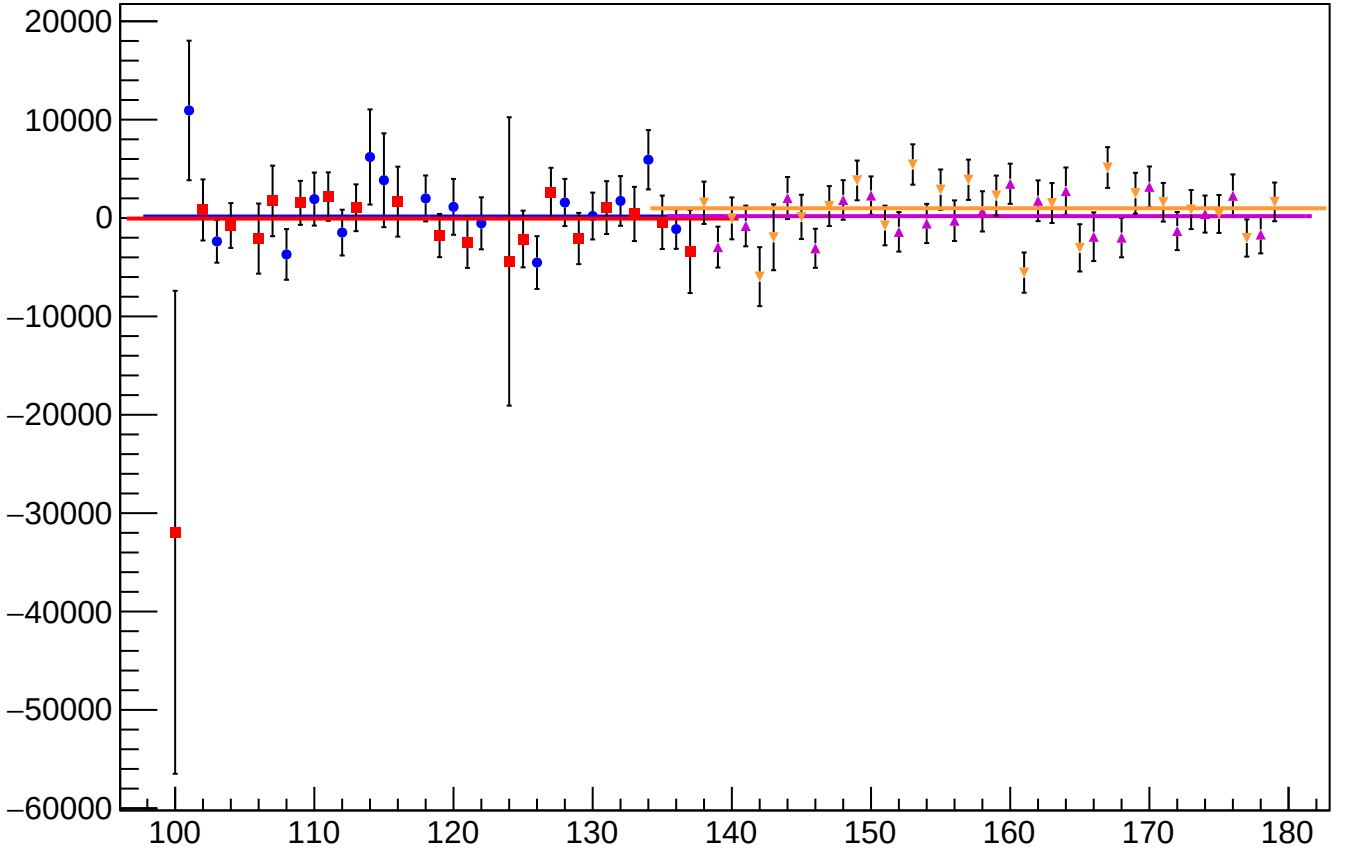
+ sign -0.000+/-0.000 χ^2/NDF: 27.7/37

All: 0.000+/-0.000 χ^2/NDF: 78.6/76

- sign 0.000+/-0.000 χ^2/NDF: 47.5/38


asym_atr1l2_avg_eigen_cor_vs_cor_diff_rms vs Slug
×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
180
Right In: 0.000+/-0.000 χ²/NDF: 1128031.5/15
Left Out: 0.000+/-0.000 χ²/NDF:10359906.9/21
Right Out: 0.000+/-0.000 χ²/NDF: 4266020.5/18
Left In: 0.000+/-0.000 χ²/NDF:2275523.6/19
+ sign 0.000+/-0.000 χ²/NDF: 13717102.2/37
All: 0.000+/-0.000 χ²/NDF: 22465085.9/76
- sign 0.000+/-0.000 χ²/NDF: 7293526.6/38

reg_asym_atr1l2_dd_mean vs Slug



Right In: 150.722+/-667.029 χ^2/NDF: 17.7/15

Left Out: 990.418+/-448.871 χ^2/NDF:37.8/21

Right Out: -54.106+/-655.266 χ^2/NDF: 9.0/18

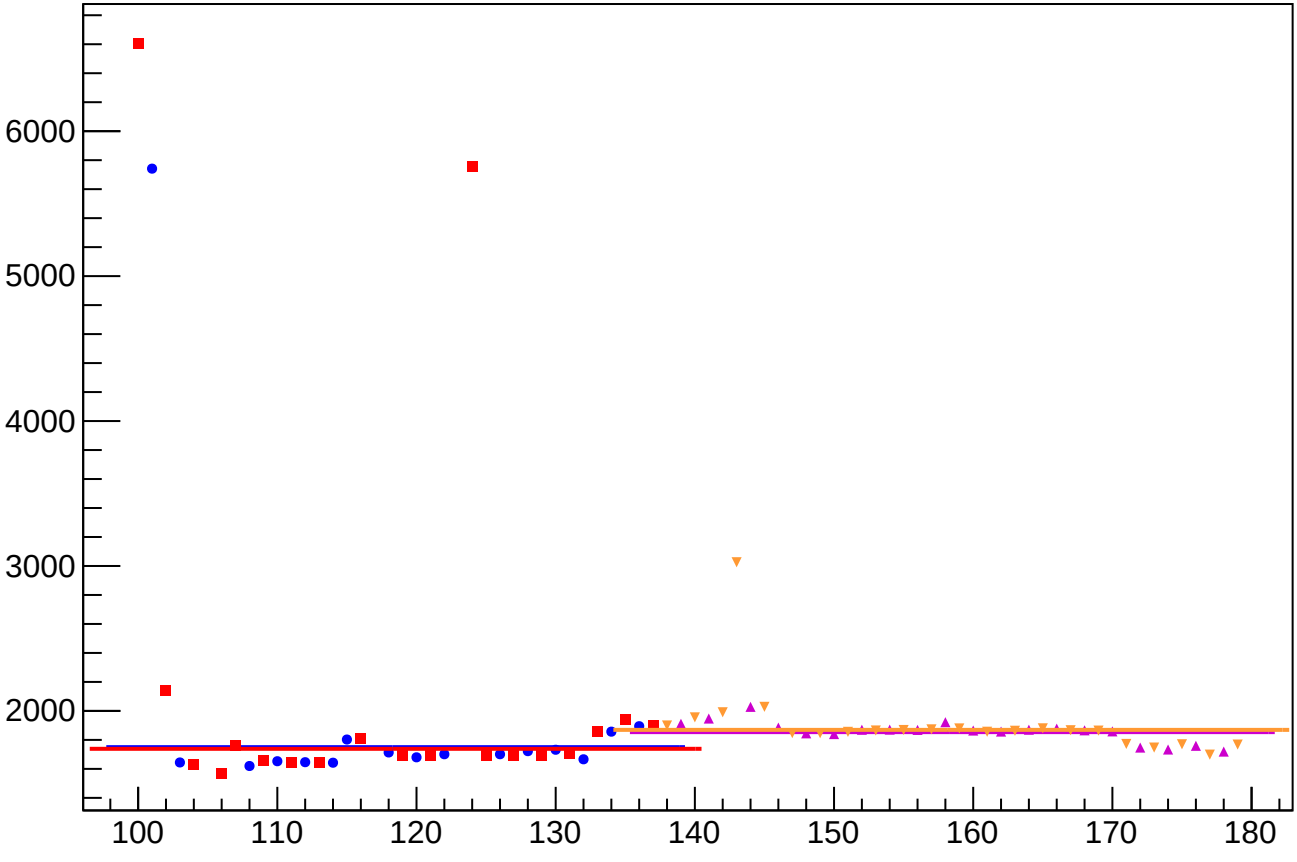
Left In: 190.835+/-458.872 χ^2/NDF:19.5/19

+ sign 728.687+/-372.401 χ^2/NDF: 56.5/37

All: 422.332+/-264.546 χ^2/NDF: 86.4/76

- sign 110.240+/-375.872 χ^2/NDF: 28.5/38

reg_asym_atr1l2_dd_rms vs Slug



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.0/15

Left Out: 1869.167+/-0.317 χ^2/NDF:295606.9/21

Right Out: 1738.493+/-0.460 χ^2/NDF: 304493.3/18

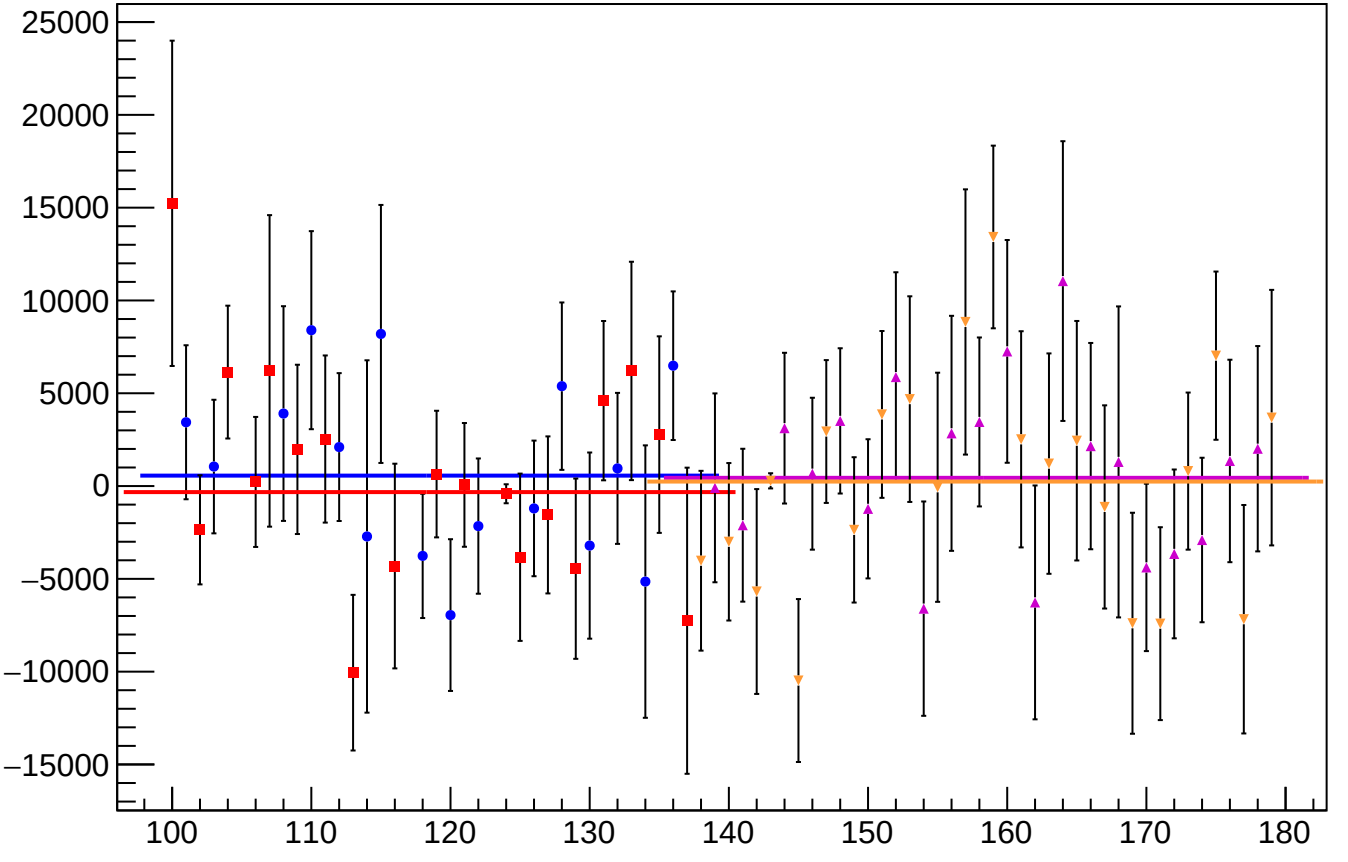
Left In: 1853.656+/-0.324 χ^2/NDF:50405.0/19

+ sign 1831.981+/-0.263 χ^2/NDF: 1009220.1/37

All: 1823.741+/-0.187 χ^2/NDF: 1407949.9/76

- sign 1815.388+/-0.265 χ^2/NDF: 396758.2/38

asym_atr1l2_dd_reg_correction_mean vs Slug



Right In: 562.339+/-1101.163 χ^2/NDF: 14.8/15

Left Out: 242.416+/-383.692 χ^2/NDF:27.5/21

Right Out: -325.567+/-457.948 χ^2/NDF: 19.2/18

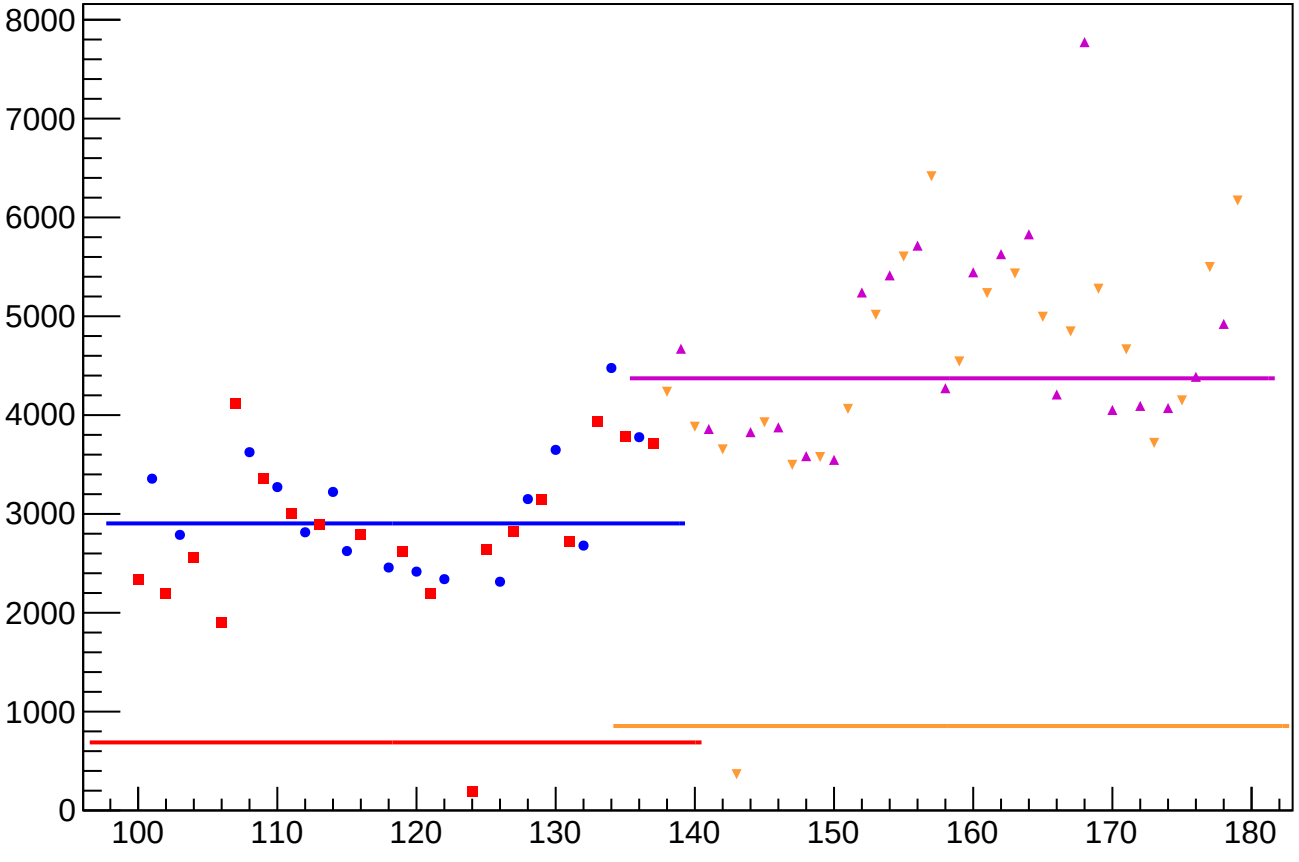
Left In: 442.885+/-1103.724 χ^2/NDF:11.8/19

+ sign 277.053+/-362.327 χ^2/NDF: 42.4/37

All: 69.778+/-275.173 χ^2/NDF: 74.6/76

- sign -212.706+/-422.984 χ^2/NDF: 31.4/38

asym_atr1l2_dd_reg_correction_rms vs Slug



Right In: 2904.059+/-0.779 χ^2/NDF: 479774.3/15

Left Out: 854.247+/-0.271 χ^2/NDF:24596558.6/21

Right Out: 688.319+/-0.324 χ^2/NDF: 10148914.1/18

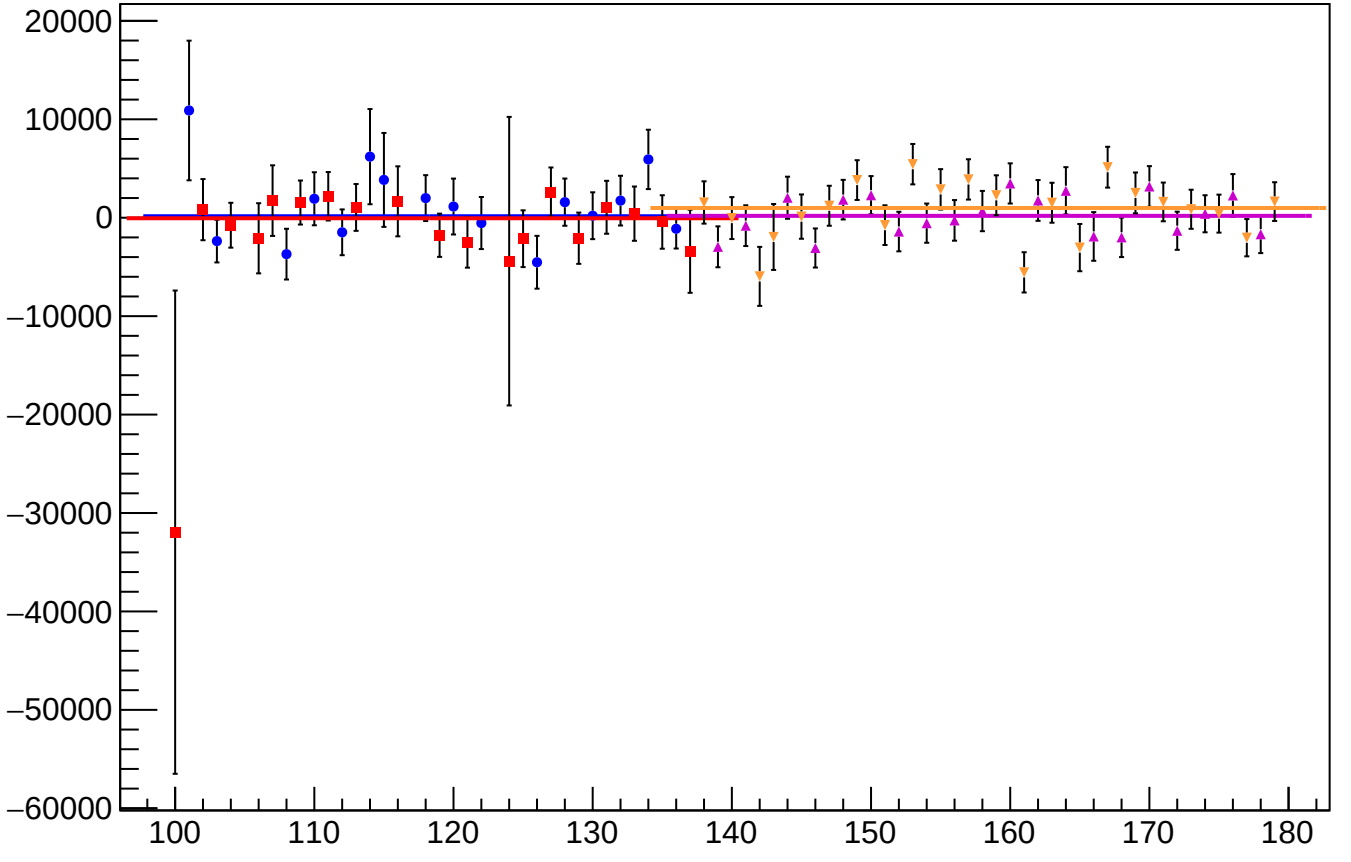
Left In: 4372.248+/-0.780 χ^2/NDF:1080465.3/19

+ sign 1076.175+/-0.256 χ^2/NDF: 31256349.6/37

All: 1141.011+/-0.195 χ^2/NDF: 61645551.3/7

- sign 1229.371+/-0.299 χ^2/NDF: 30237884.9/38

cor_asym_atr1l2_dd_mean vs Slug



Right In: 150.254+/-667.029 χ^2/NDF: 17.6/15

Left Out: 990.415+/-448.871 χ^2/NDF:37.8/21

Right Out: -54.158+/-655.266 χ^2/NDF: 9.0/18

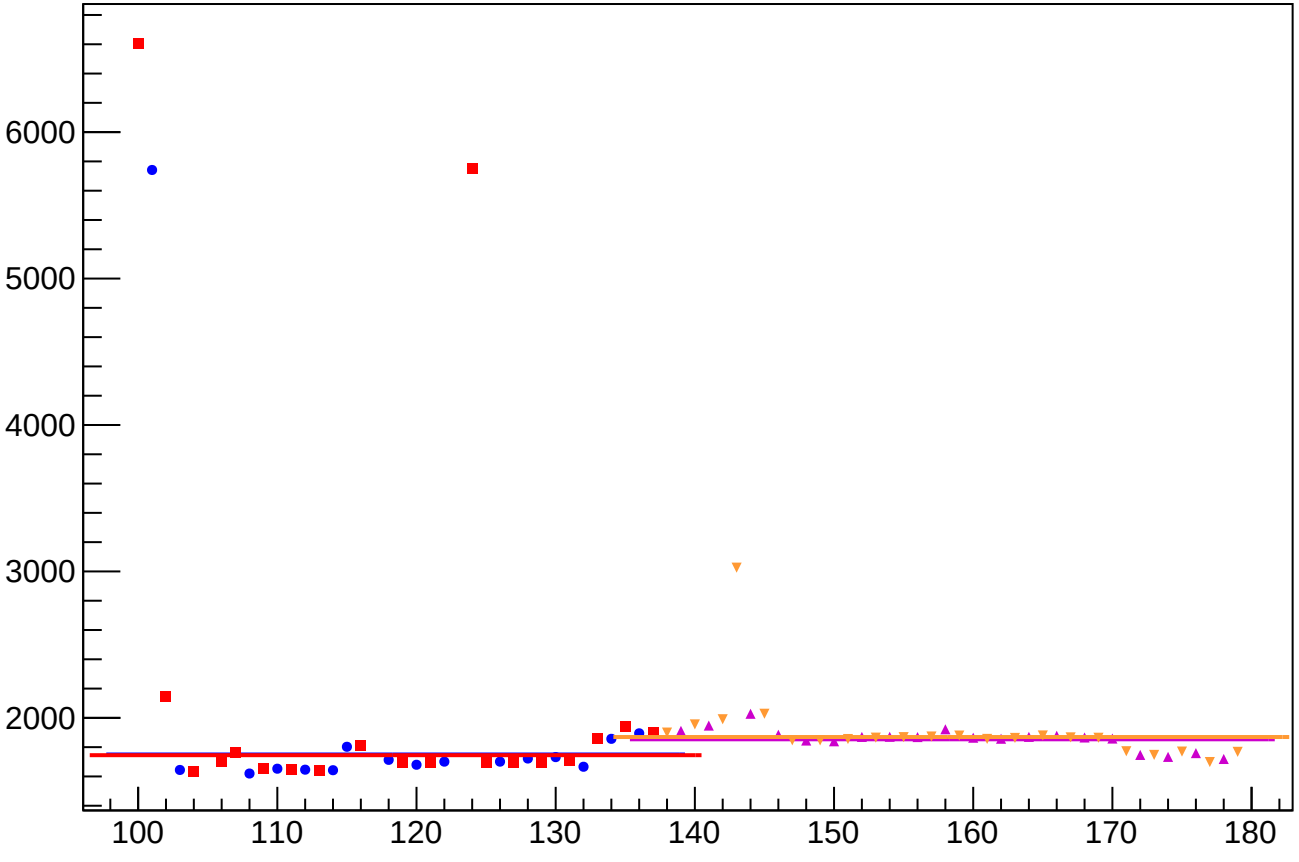
Left In: 190.780+/-458.872 χ^2/NDF:19.5/19

\+ sign 728.539+/-372.401 χ^2/NDF: 56.5/37

All: 422.231+/-264.546 χ^2/NDF: 86.4/76

\- sign 110.186+/-375.872 χ^2/NDF: 28.5/38

cor_asym_atr1l2_dd_rms vs Slug



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.1/15

Left Out: 1869.167+/-0.317 χ^2/NDF:295606.9/21

Right Out: 1745.188+/-0.462 χ^2/NDF: 297979.0/18

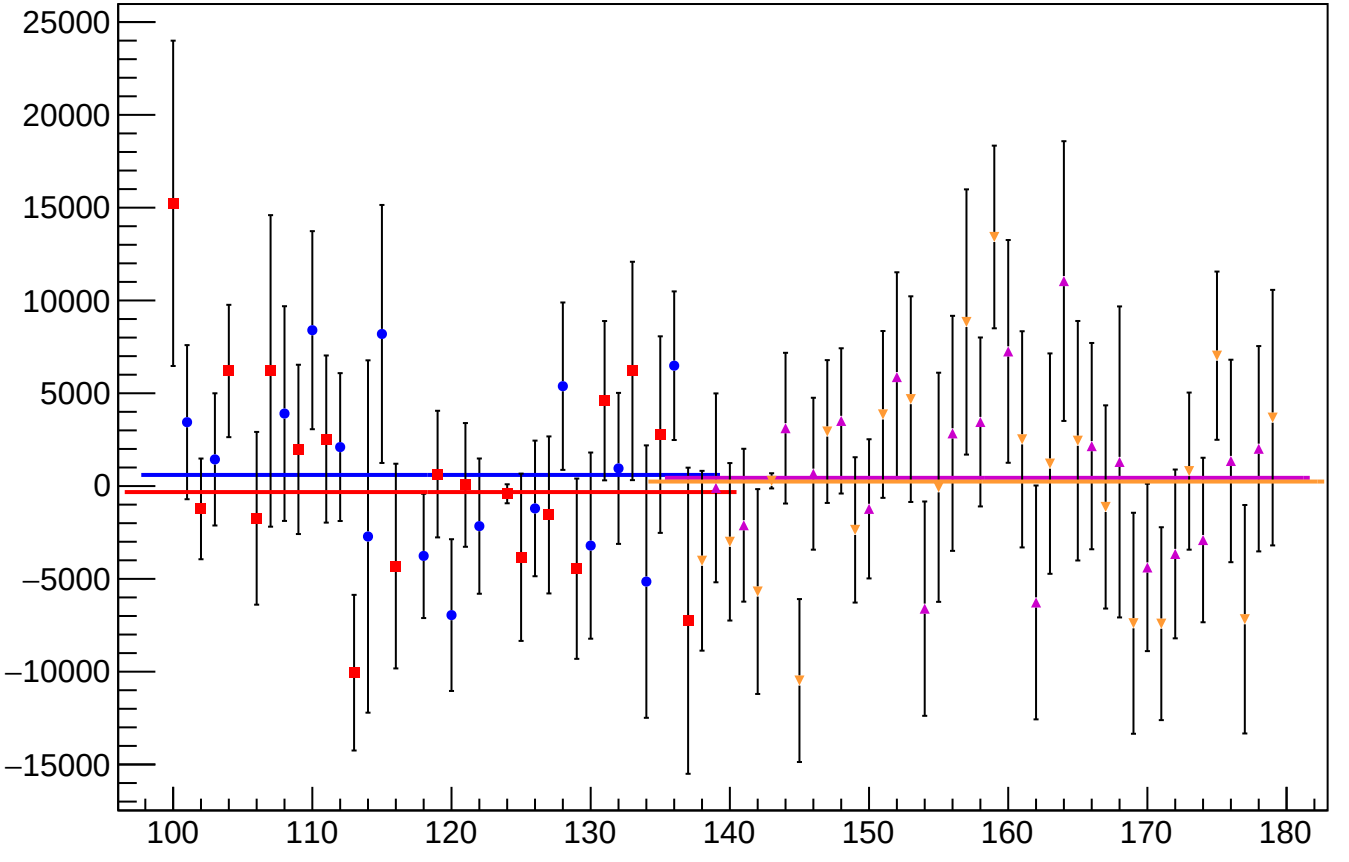
Left In: 1853.656+/-0.324 χ^2/NDF:50405.0/19

+ sign 1831.981+/-0.263 χ^2/NDF: 1009220.5/37

All: 1824.941+/-0.187 χ^2/NDF: 1396000.8/76

- sign 1817.787+/-0.265 χ^2/NDF: 385339.2/38

asym_atr1l2_dd_cor_correction_mean vs Slug



Right In: 600.202+/-1100.125 χ^2/NDF: 14.9/15

Left Out: 243.332+/-383.722 χ^2/NDF:27.5/21

Right Out: -323.164+/-458.862 χ^2/NDF: 19.0/18

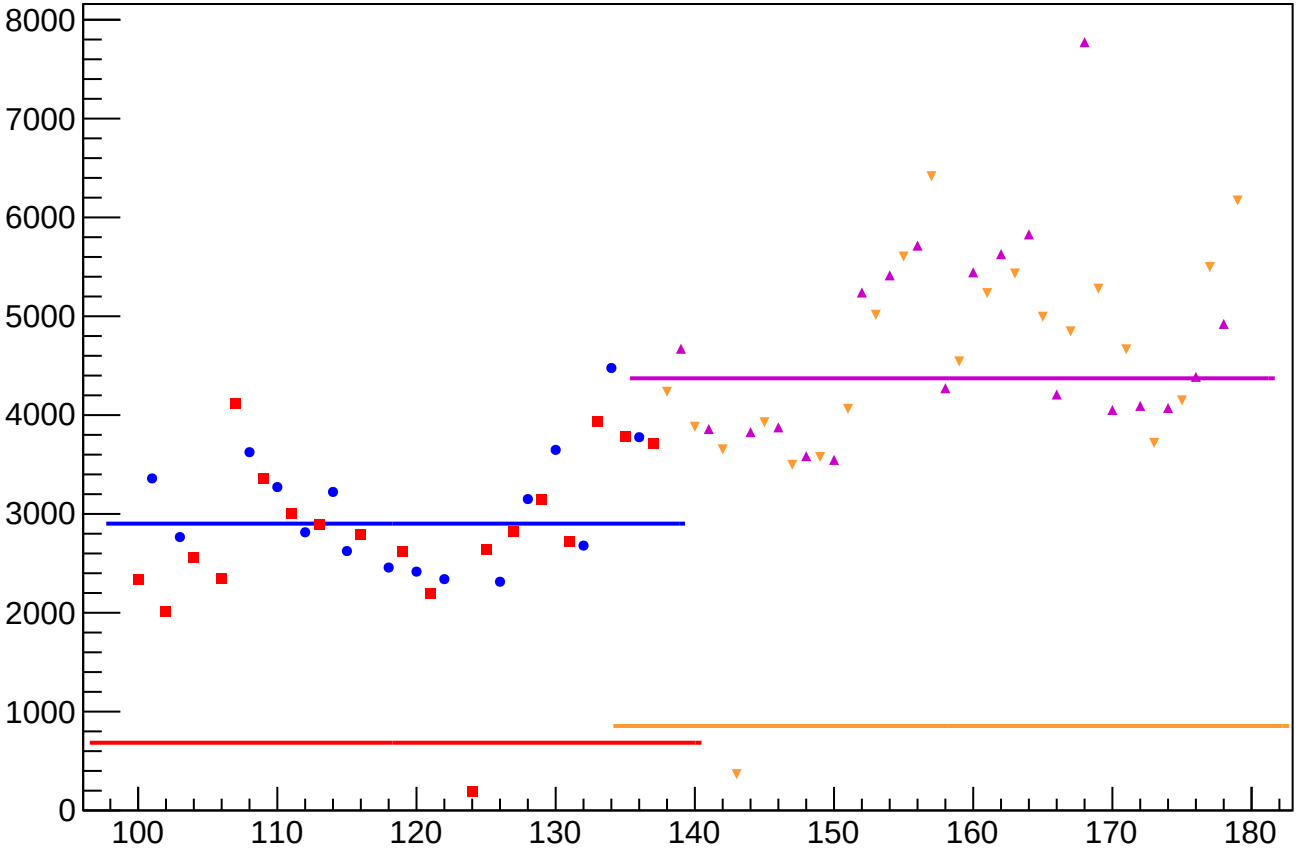
Left In: 442.942+/-1103.721 χ^2/NDF:11.8/19

+ sign 282.040+/-362.315 χ^2/NDF: 42.4/37

All: 74.105+/-275.366 χ^2/NDF: 74.4/76

- sign -210.263+/-423.704 χ^2/NDF: 31.2/38

asym_atr1l2_dd_cor_correction_rms vs Slug



Right In: 2901.861+/-0.778 χ^2/NDF: 480934.2/15

Left Out: 854.360+/-0.271 χ^2/NDF:24595578.4/21

Right Out: 685.257+/-0.324 χ^2/NDF: 10105797.4/18

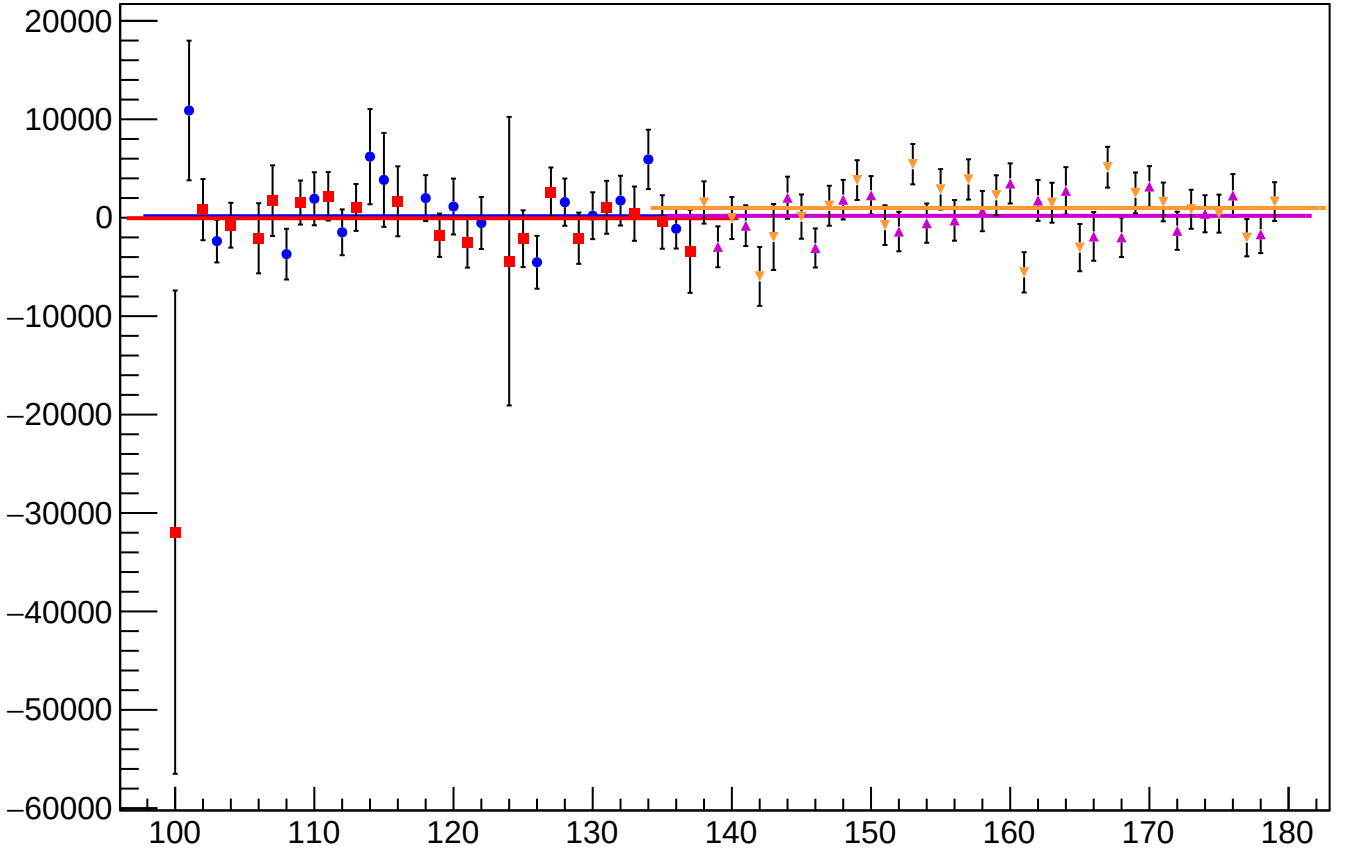
Left In: 4372.238+/-0.780 χ^2/NDF:1080480.4/19

+ sign 1076.441+/-0.256 χ^2/NDF: 31252874.1/37

All: 1140.711+/-0.195 χ^2/NDF: 61617058.3/7

- sign 1228.605+/-0.300 χ^2/NDF: 30215188.9/38

eigen_cor_asym_atr1l2_dd_mean vs Slug



Right In: 150.254+/-667.029 χ^2/NDF: 17.6/15

Left Out: 990.415+/-448.871 χ^2/NDF:37.8/21

Right Out: -54.158+/-655.266 χ^2/NDF: 9.0/18

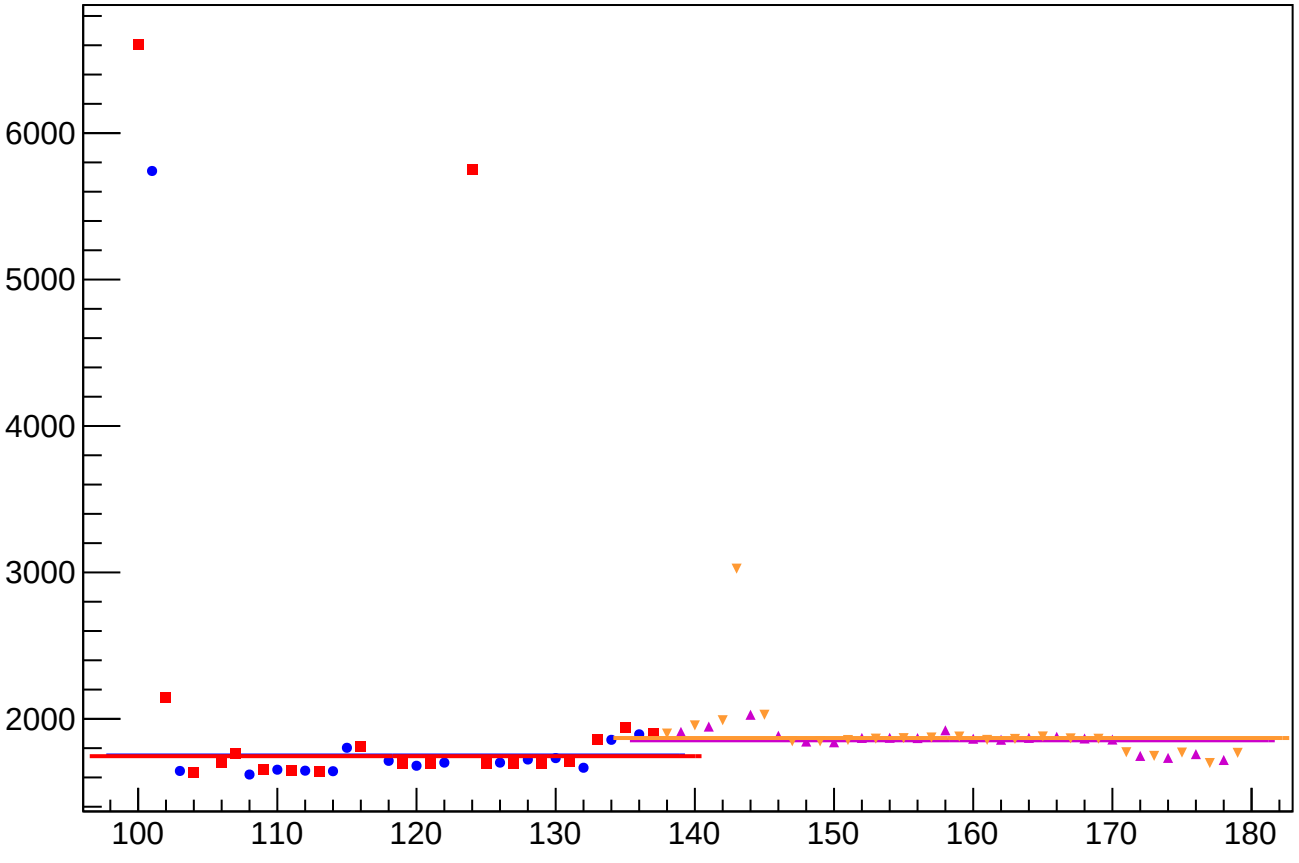
Left In: 190.780+/-458.872 χ^2/NDF:19.5/19

+ sign 728.539+/-372.401 χ^2/NDF: 56.5/37

All: 422.231+/-264.546 χ^2/NDF: 86.4/76

- sign 110.186+/-375.872 χ^2/NDF: 28.5/38

eigen_cor_asym_atr1l2_dd_rms vs Slug



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.1/15

Left Out: 1869.167+/-0.317 χ^2/NDF:295606.9/21

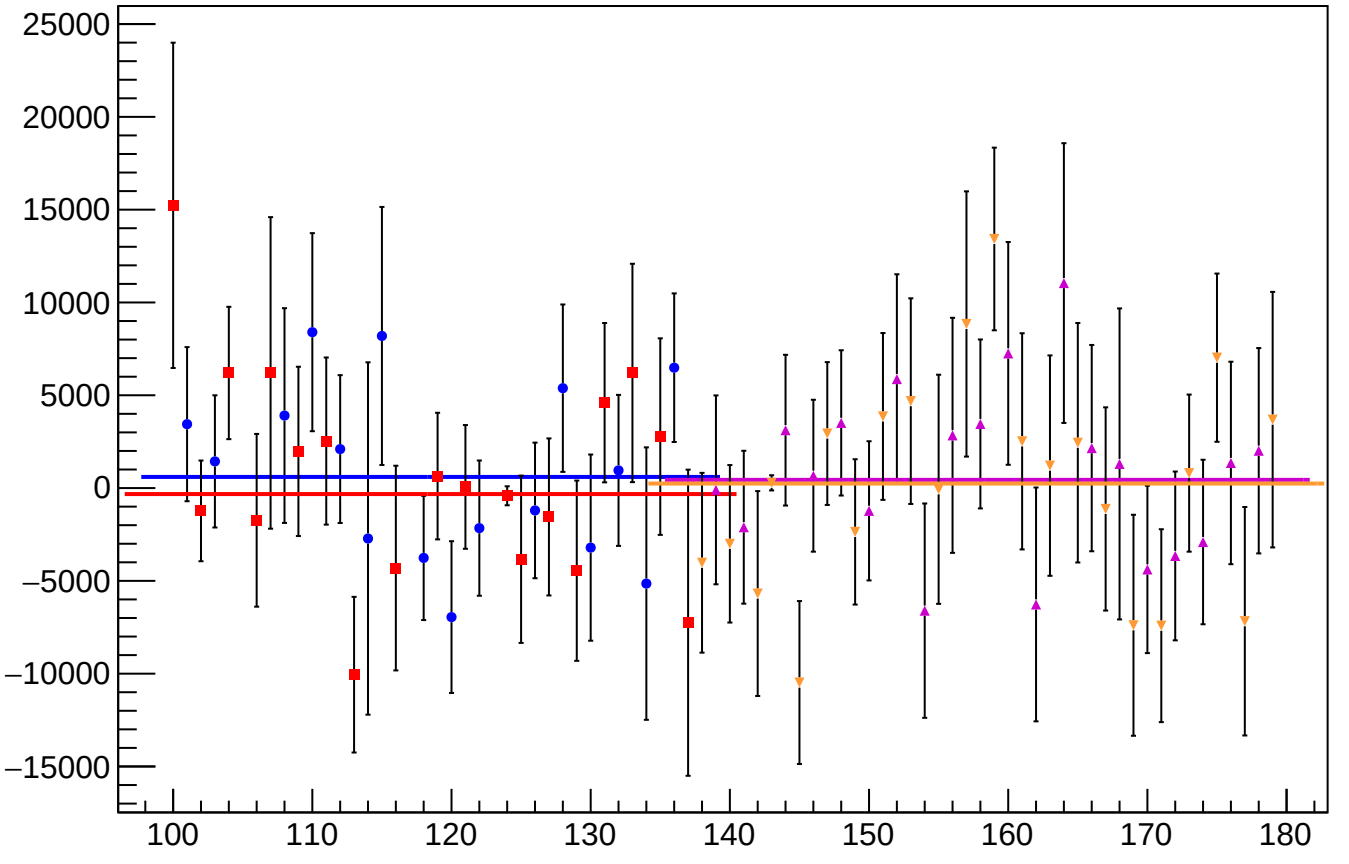
Right Out: 1745.188+/-0.462 χ^2/NDF: 297979.0/18

Left In: 1853.656+/-0.324 χ^2/NDF:50405.0/19

+ sign 1831.981+/-0.263 χ^2/NDF: 1009220.5/37

All: 1824.941+/-0.187 χ^2/NDF: 1396000.8/76

- sign 1817.787+/-0.265 χ^2/NDF: 385339.2/38



Right In: 600.202+/-1100.125 χ^2/NDF: 14.9/15

Left Out: 243.332+/-383.722 χ^2/NDF:27.5/21

Right Out: -323.164+/-458.862 χ^2/NDF: 19.0/18

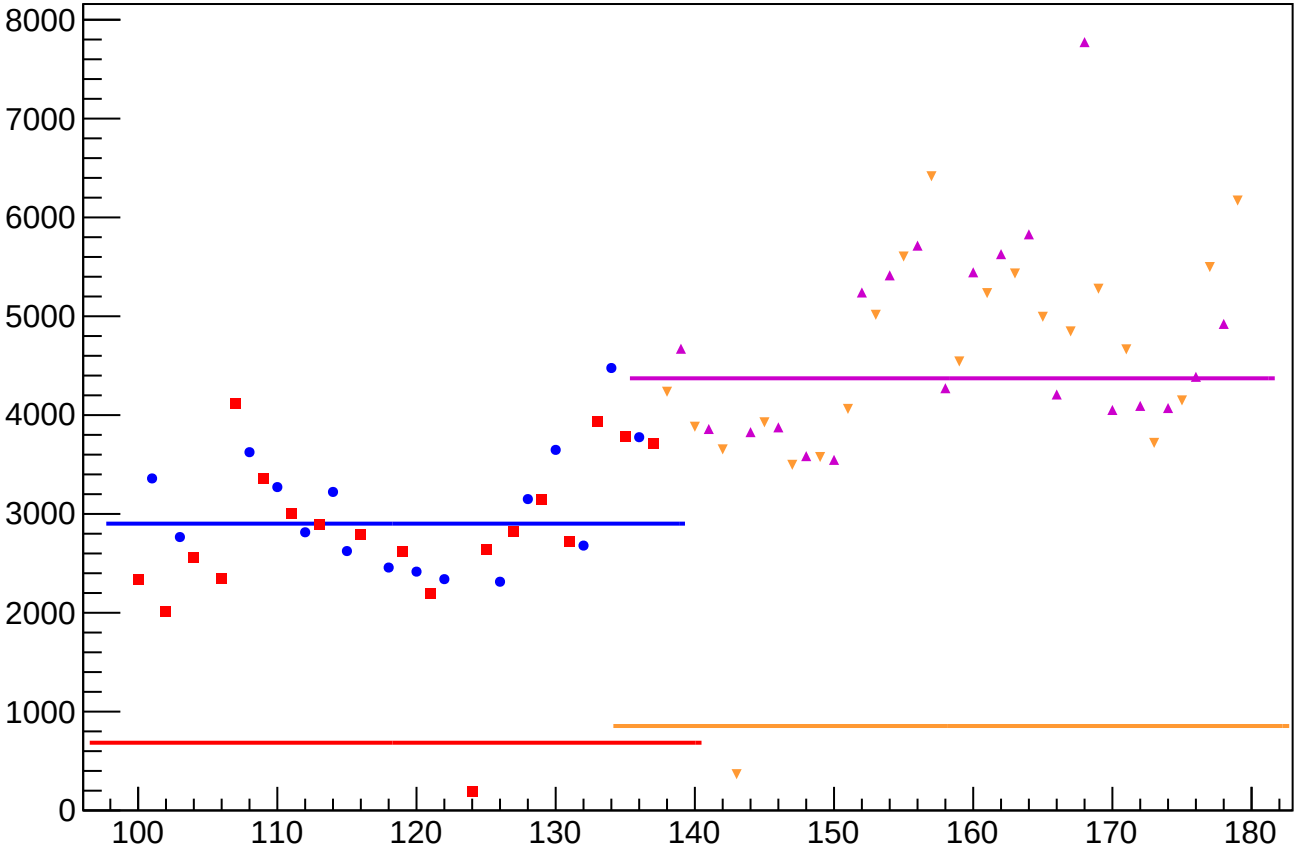
Left In: 442.942+/-1103.721 χ^2/NDF:11.8/19

+ sign 282.040+/-362.315 χ^2/NDF: 42.4/37

All: 74.105+/-275.366 χ^2/NDF: 74.4/76

- sign -210.263+/-423.704 χ^2/NDF: 31.2/38

asym_atr1l2_dd_eigen_cor_correction_rms vs Slug



Right In: 2901.861+/-0.778 χ^2/NDF: 480934.2/15

Left Out: 854.360+/-0.271 χ^2/NDF:24595578.4/21

Right Out: 685.257+/-0.324 χ^2/NDF: 10105797.4/18

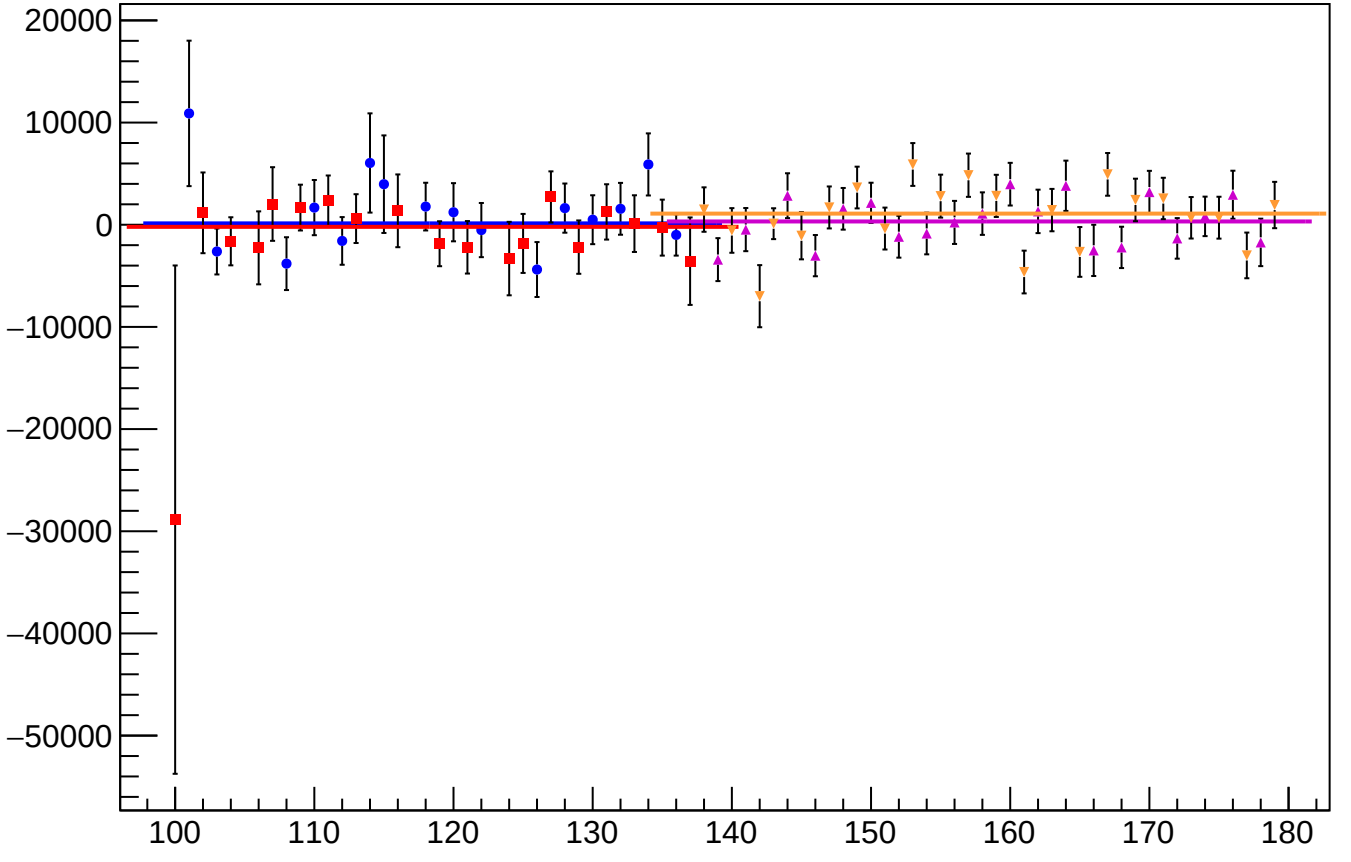
Left In: 4372.238+/-0.780 χ^2/NDF:1080480.4/19

+ sign 1076.441+/-0.256 χ^2/NDF: 31252874.1/37

All: 1140.711+/-0.195 χ^2/NDF: 61617058.3/7

- sign 1228.605+/-0.300 χ^2/NDF: 30215188.9/38

dit_asym_atr1l2_dd_mean vs Slug



Right In: 133.838+/-671.621 χ^2/NDF: 17.3/15

Left Out: 1089.677+/-447.691 χ^2/NDF:38.7/21

Right Out: -205.424+/-654.444 χ^2/NDF: 9.7/18

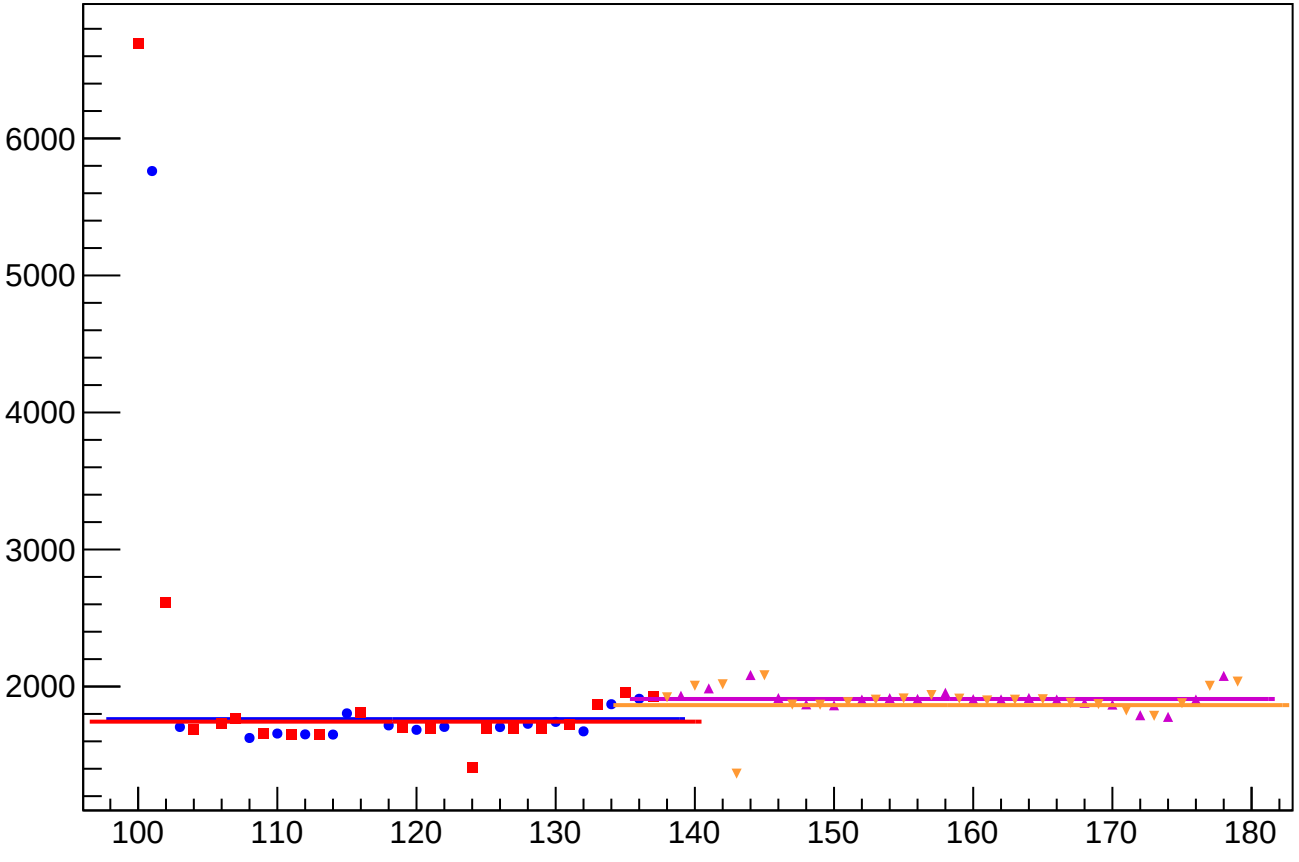
Left In: 320.950+/-472.645 χ^2/NDF:22.4/19

+ sign 795.624+/-372.516 χ^2/NDF: 57.3/37

All: 477.300+/-267.094 χ^2/NDF: 91.4/76

- sign 140.514+/-383.166 χ^2/NDF: 32.6/38

dit_asym_atr1l2_dd_rms vs Slug



Right In: 1762.052+/-0.475 χ^2/NDF: 667696.6/15

Left Out: 1864.289+/-0.317 χ^2/NDF:282559.6/21

Right Out: 1743.723+/-0.461 χ^2/NDF: 227762.1/18

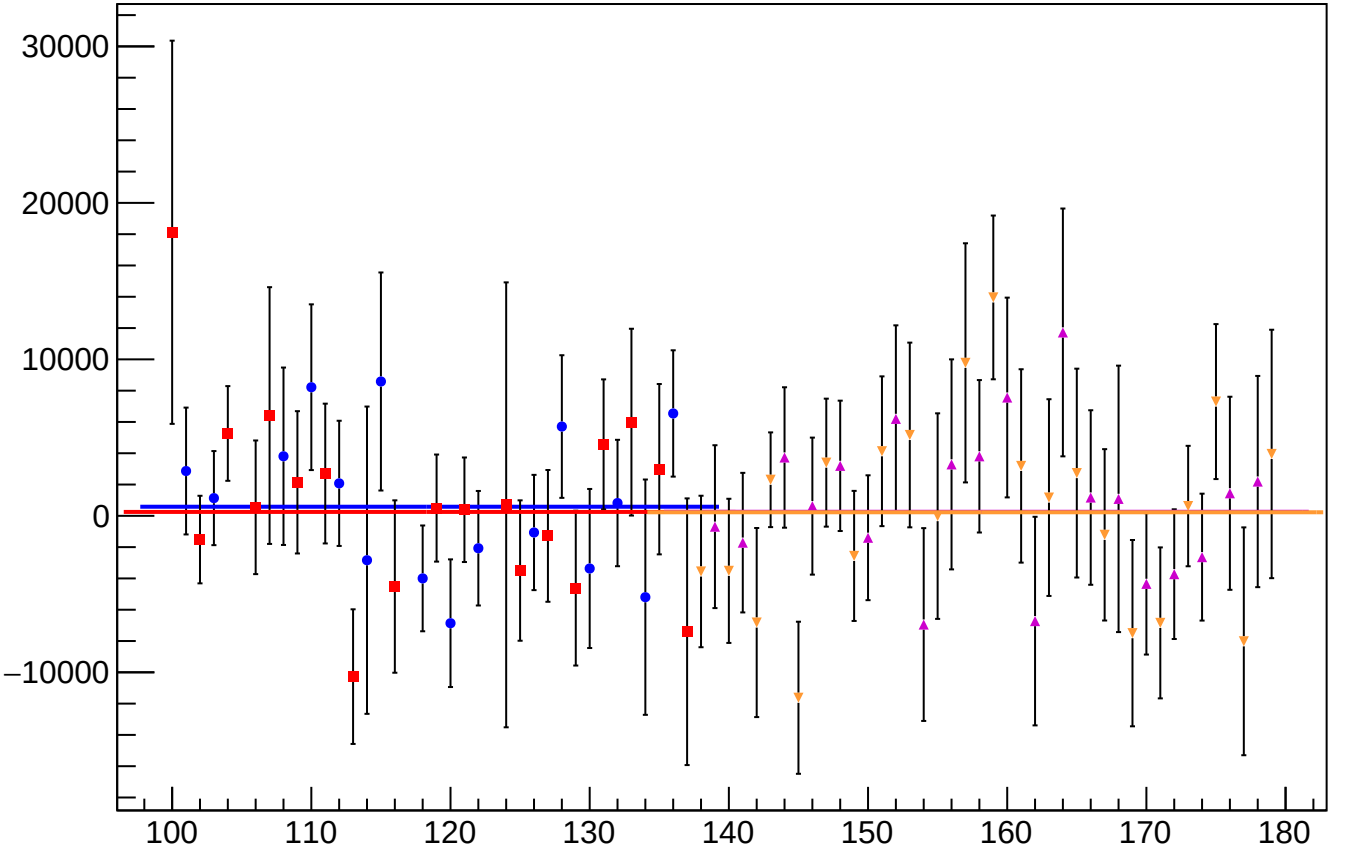
Left In: 1909.174+/-0.334 χ^2/NDF:46416.9/19

+ sign 1832.837+/-0.263 χ^2/NDF: 982343.4/37

All: 1842.276+/-0.189 χ^2/NDF: 1343490.1/76

- sign 1852.243+/-0.271 χ^2/NDF: 358506.5/38

asym_atr1l2_dd_dit_correction_mean vs Slug



Right In: 582.223+/-1081.481 χ^2/NDF: 14.9/15

Left Out: 228.045+/-1080.169 χ^2/NDF:27.8/21

Right Out: 250.224+/-1021.012 χ^2/NDF: 17.9/18

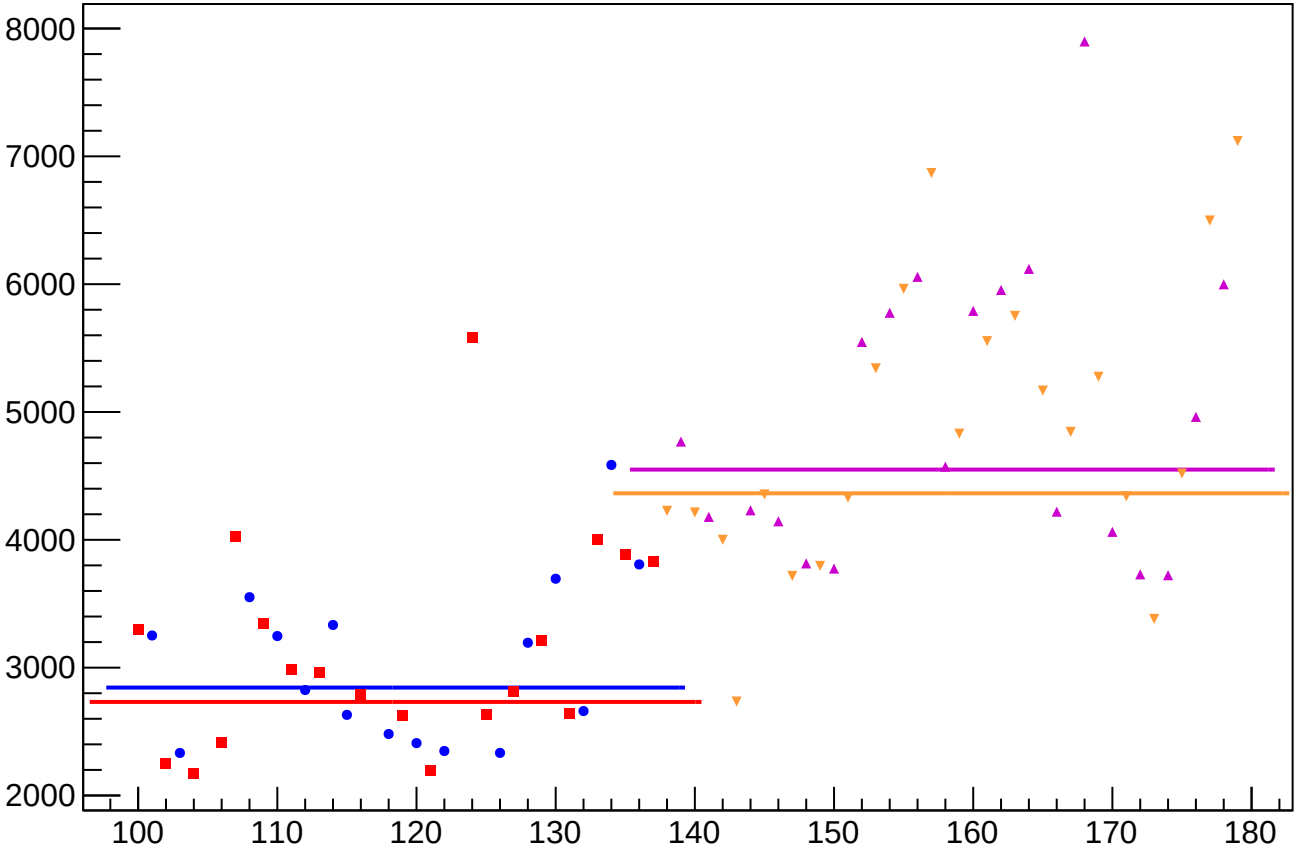
Left In: 259.644+/-1152.156 χ^2/NDF:11.7/19

+ sign 404.919+/-764.258 χ^2/NDF: 42.7/37

All: 329.632+/-540.371 χ^2/NDF: 72.4/76

- sign 254.368+/-764.143 χ^2/NDF: 29.6/38

asym_atr1l2_dd_dit_correction_rms vs Slug



Right In: 2844.153+/-0.765 χ^2/NDF: 542032.5/15

Left Out: 4363.922+/-0.764 χ^2/NDF:1890674.5/21

Right Out: 2731.978+/-0.722 χ^2/NDF: 611275.1/18

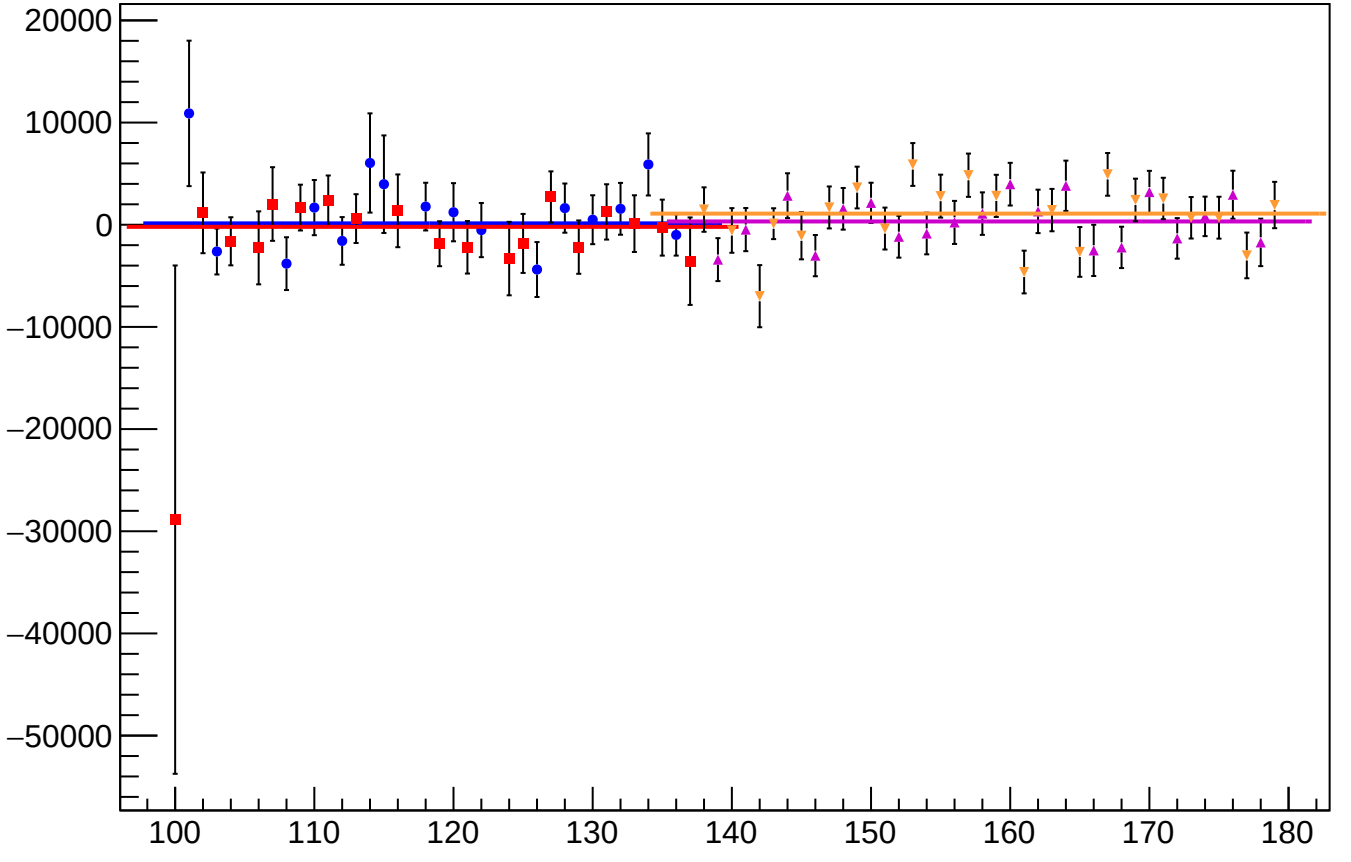
Left In: 4549.409+/-0.815 χ^2/NDF:1263265.7/19

+ sign 3604.960+/-0.540 χ^2/NDF: 4409878.4/37

All: 3568.182+/-0.382 χ^2/NDF: 9081152.9/76

- sign 3531.415+/-0.540 χ^2/NDF: 4662012.9/38

eigen_dit_asym_atr1l2_dd_mean vs Slug



Right In: 133.837+/-671.621 χ^2/NDF: 17.3/15

Left Out: 1089.678+/-447.691 χ^2/NDF:38.7/21

Right Out: -205.422+/-654.444 χ^2/NDF: 9.7/18

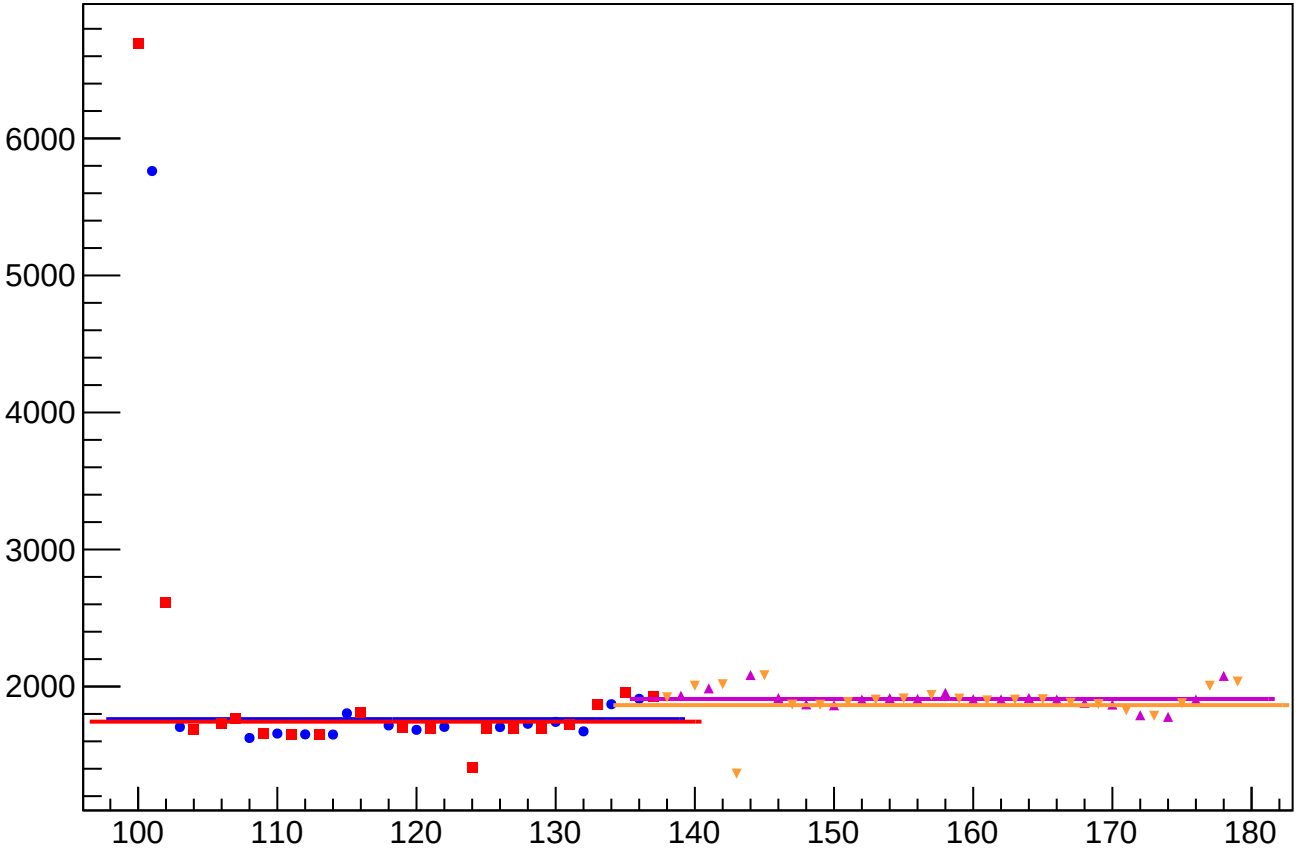
Left In: 320.952+/-472.646 χ^2/NDF:22.4/19

+ sign 795.624+/-372.516 χ^2/NDF: 57.3/37

All: 477.301+/-267.094 χ^2/NDF: 91.4/76

- sign 140.516+/-383.166 χ^2/NDF: 32.6/38

eigen_dit_asym_atr1l2_dd_rms vs Slug



Right In: 1762.052+/-0.475 χ^2/NDF: 667696.6/15

Left Out: 1864.290+/-0.317 χ^2/NDF:282563.2/21

Right Out: 1743.723+/-0.461 χ^2/NDF: 227762.1/18

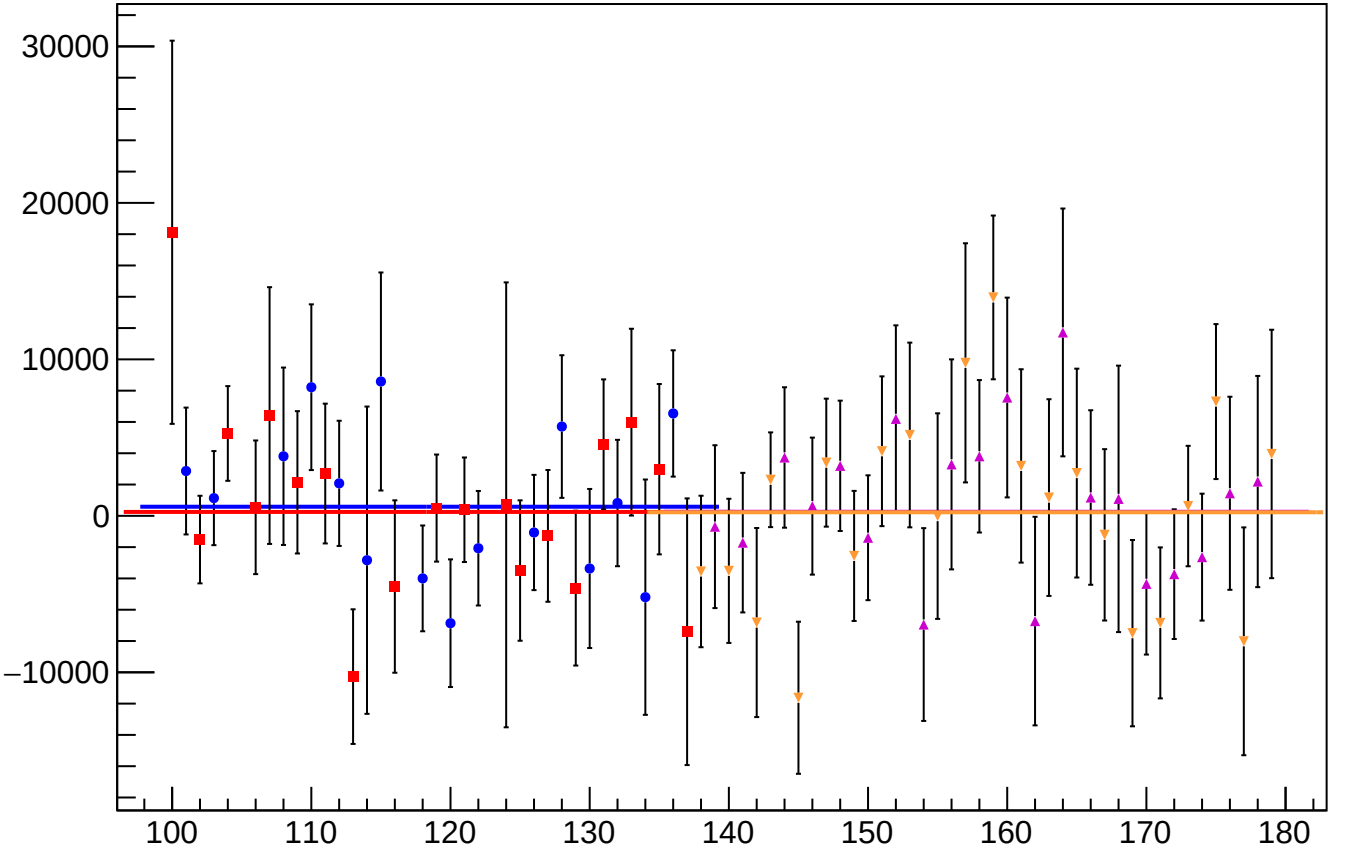
Left In: 1909.175+/-0.334 χ^2/NDF:46419.0/19

+ sign 1832.837+/-0.263 χ^2/NDF: 982347.5/37

All: 1842.277+/-0.189 χ^2/NDF: 1343497.1/76

- sign 1852.244+/-0.271 χ^2/NDF: 358509.5/38

asym_atr1l2_dd_eigen_dit_correction_mean vs Slug



Right In: 582.219+/-1081.478 χ^2/NDF: 14.9/15

Left Out: 228.048+/-1080.171 χ^2/NDF:27.8/21

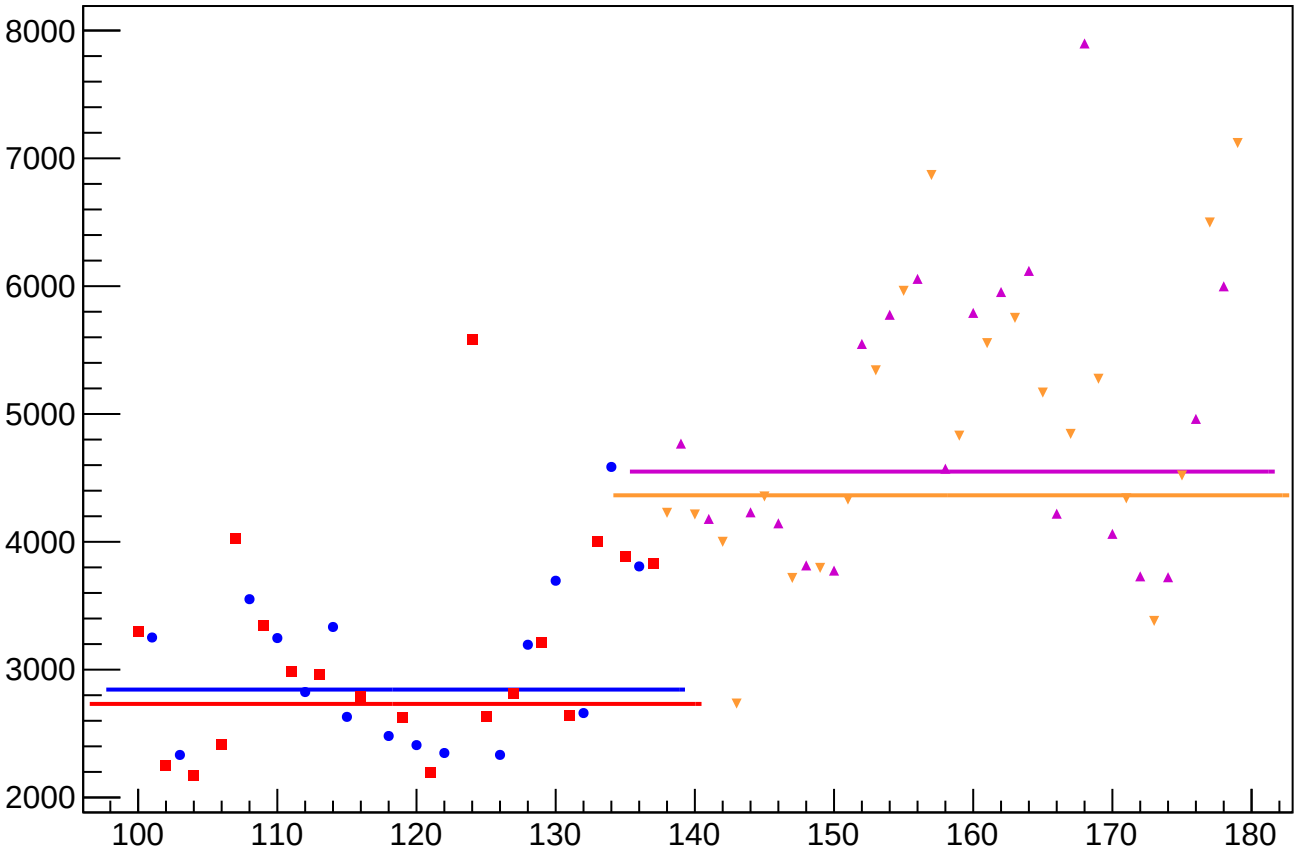
Right Out: 250.225+/-1021.010 χ^2/NDF: 17.9/18

Left In: 259.645+/-1152.158 χ^2/NDF:11.7/19

\+ sign 404.919+/-764.258 χ^2/NDF: 42.7/37

All: 329.633+/-540.371 χ^2/NDF: 72.4/76

\- sign 254.369+/-764.143 χ^2/NDF: 29.6/38



Right In: 2844.145+/-0.765 χ^2/NDF: 542036.2/15

Left Out: 4363.929+/-0.764 χ^2/NDF:1890679.5/21

Right Out: 2731.972+/-0.722 χ^2/NDF: 611272.5/18

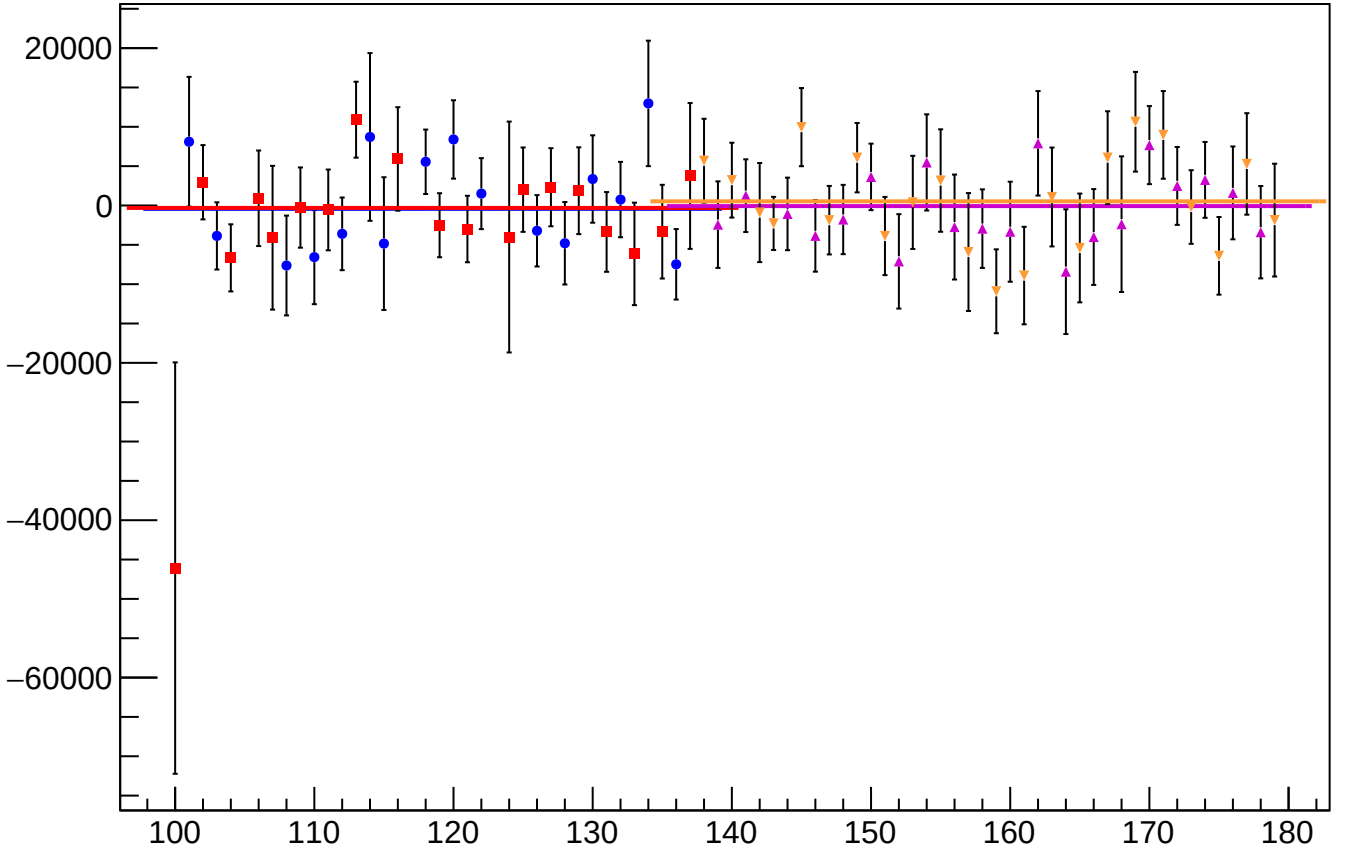
Left In: 4549.417+/-0.815 χ^2/NDF:1263265.8/19

+ sign 3604.956+/-0.540 χ^2/NDF: 4409927.0/37

All: 3568.178+/-0.382 χ^2/NDF: 9081240.4/76

- sign 3531.412+/-0.540 χ^2/NDF: 4662051.9/38

asym_atr1l2_dd_mean vs Slug



Right In: -423.131+/-1327.258 χ^2/NDF: 17.9/15

Left Out: 530.530+/-1138.730 χ^2/NDF:25.2/21

Right Out: -307.823+/-1275.718 χ^2/NDF: 15.3/18

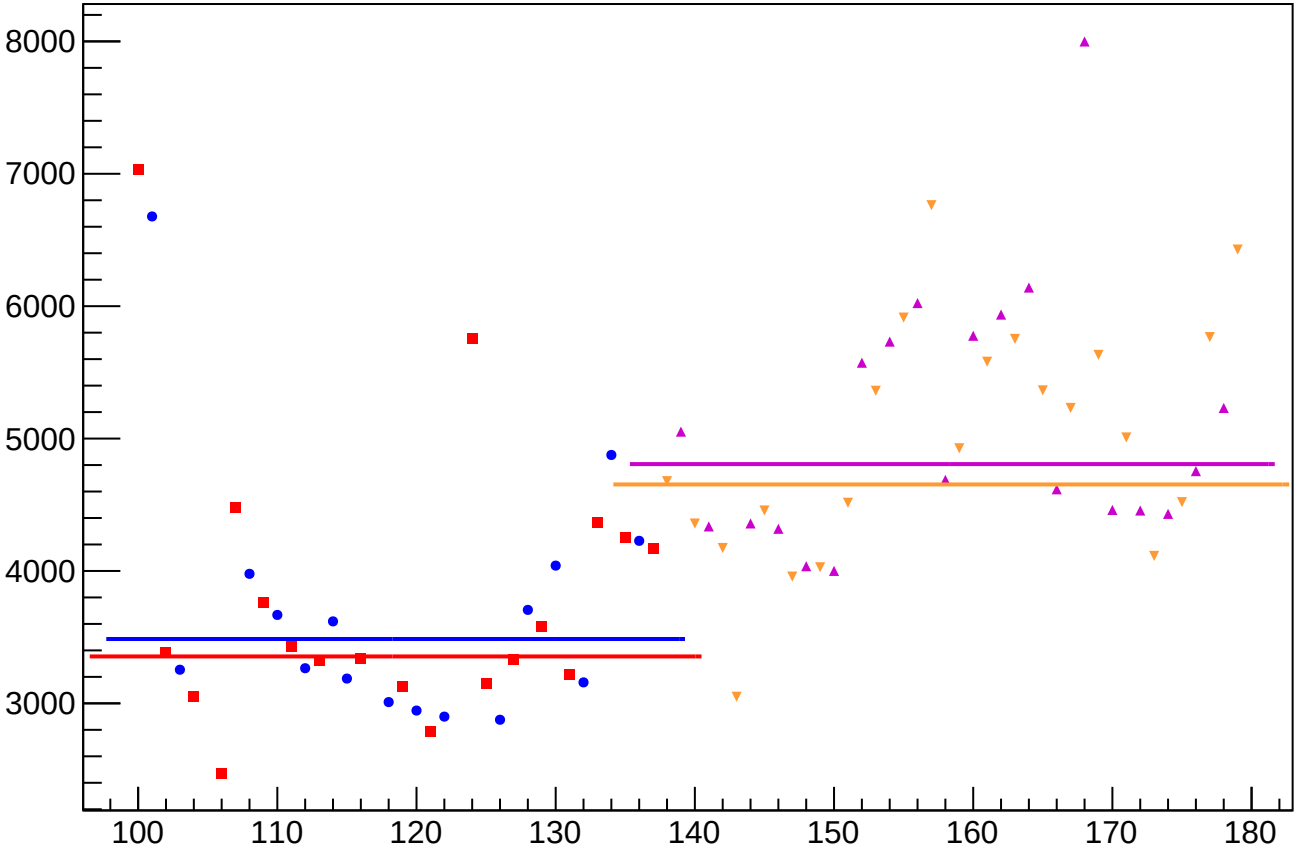
Left In: -78.231+/-1207.570 χ^2/NDF:11.5/19

+ sign 126.184+/-864.241 χ^2/NDF: 43.4/37

All: -27.984+/-615.566 χ^2/NDF: 70.3/76

- sign -186.732+/-876.984 χ^2/NDF: 26.8/38

asym_atr1l2_dd_rms vs Slug



Right In: 3486.167+/-0.939 χ^2/NDF: 595790.9/15

Left Out: 4653.494+/-0.805 χ^2/NDF:1246363.8/21

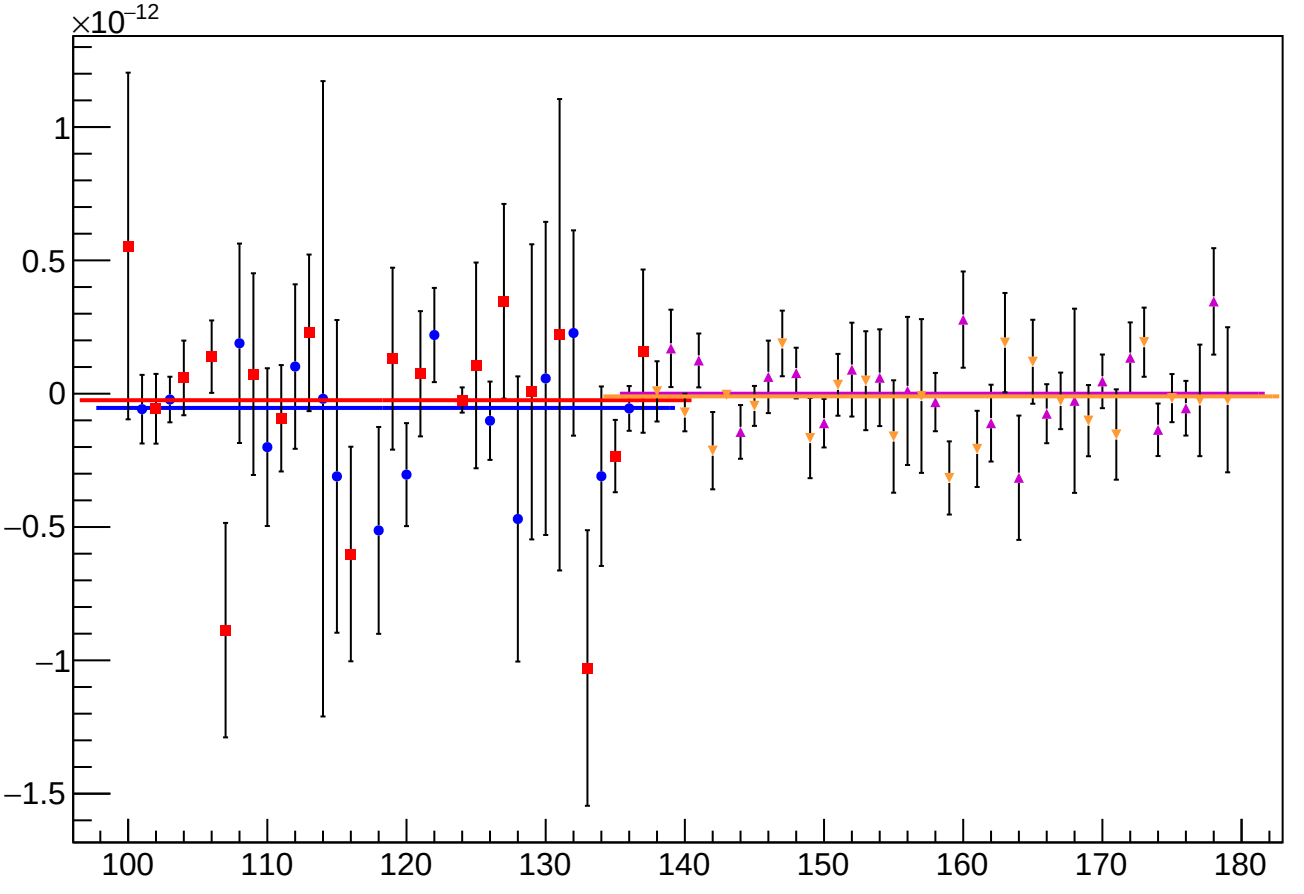
Right Out: 3354.426+/-0.889 χ^2/NDF: 376426.3/18

Left In: 4807.212+/-0.854 χ^2/NDF:826649.2/19

+ sign 4158.555+/-0.611 χ^2/NDF: 2733268.4/37

All: 4134.710+/-0.434 χ^2/NDF: 5327672.2/76

- sign 4110.483+/-0.616 χ^2/NDF: 2591334.5/38



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.0/21

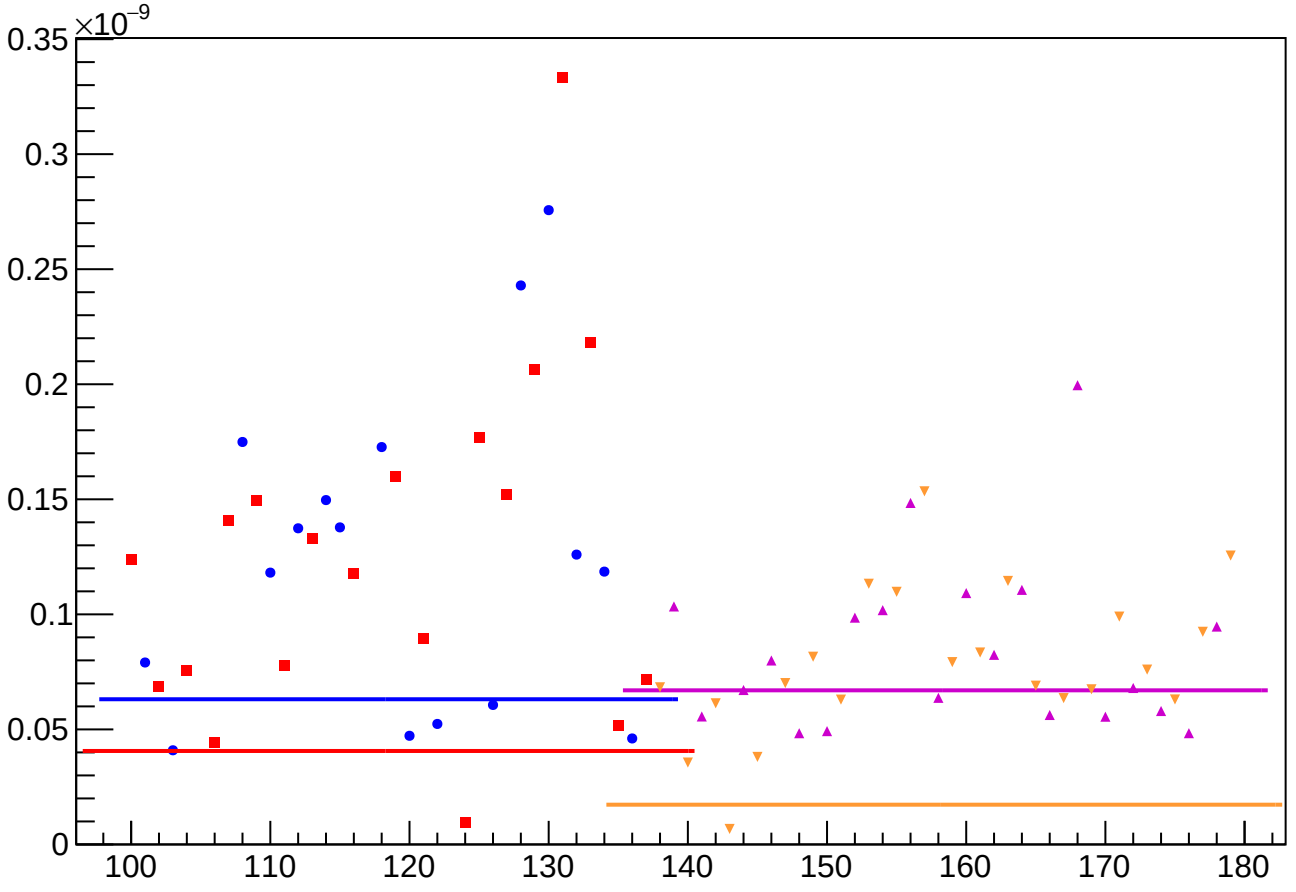
Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: -0.000+/-0.000 χ^2/NDF:19.4/19

+ sign -0.000+/-0.000 χ^2/NDF: 29.5/37

All: -0.000+/-0.000 χ^2/NDF: 67.6/76

- sign -0.000+/-0.000 χ^2/NDF: 38.1/38



Right In: 0.000+/-0.000 χ^2/NDF: 1432018.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:8849478.7/21

Right Out: 0.000+/-0.000 χ^2/NDF: 3172346.7/18

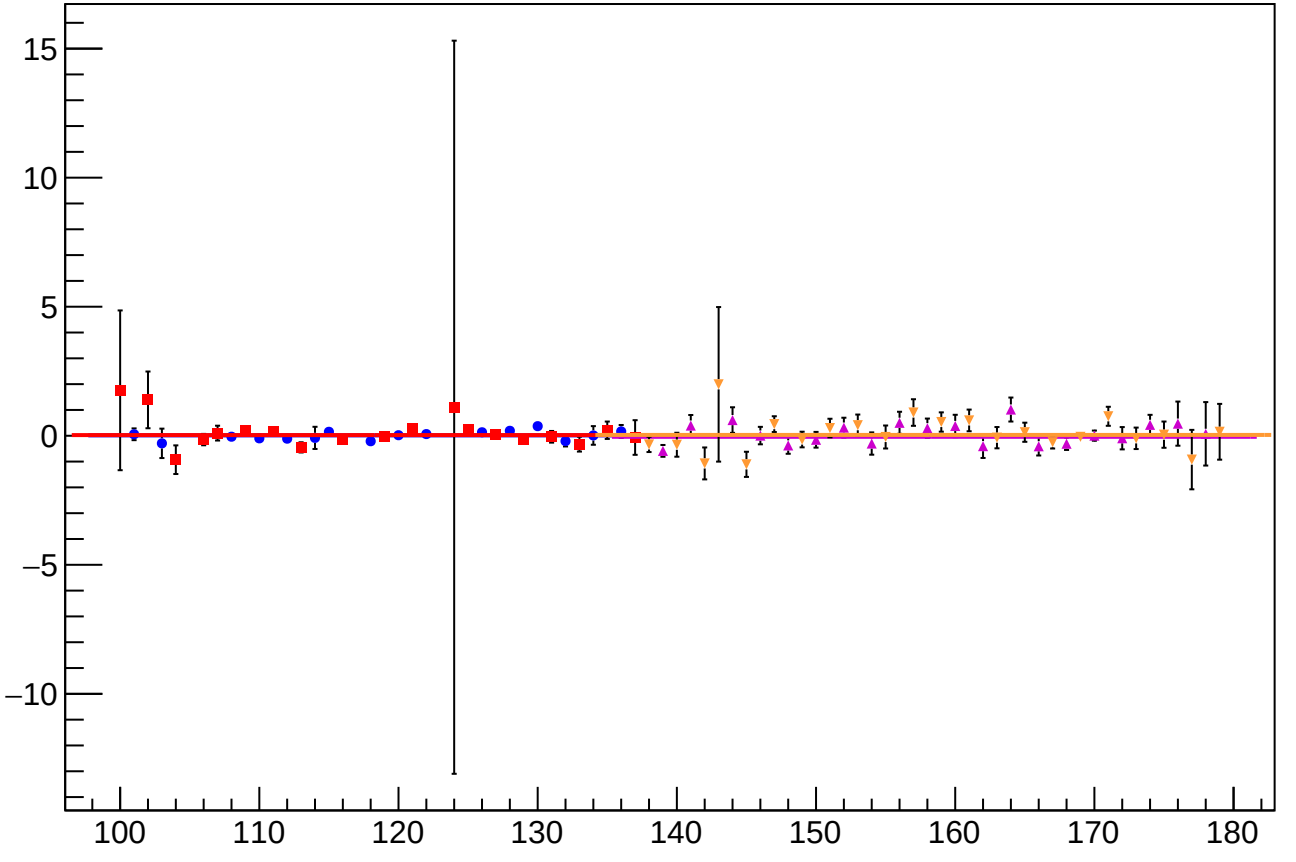
Left In: 0.000+/-0.000 χ^2/NDF:1297880.2/19

\+ sign 0.000+/-0.000 χ^2/NDF: 12268410.8/37

All: 0.000+/-0.000 χ^2/NDF: 21744931.6/76

\- sign 0.000+/-0.000 χ^2/NDF: 5140309.2/38

asym_atr1l2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: 0.032+/-0.079 χ^2/NDF:27.7/21

Right Out: 0.026+/-0.047 χ^2/NDF: 22.1/18

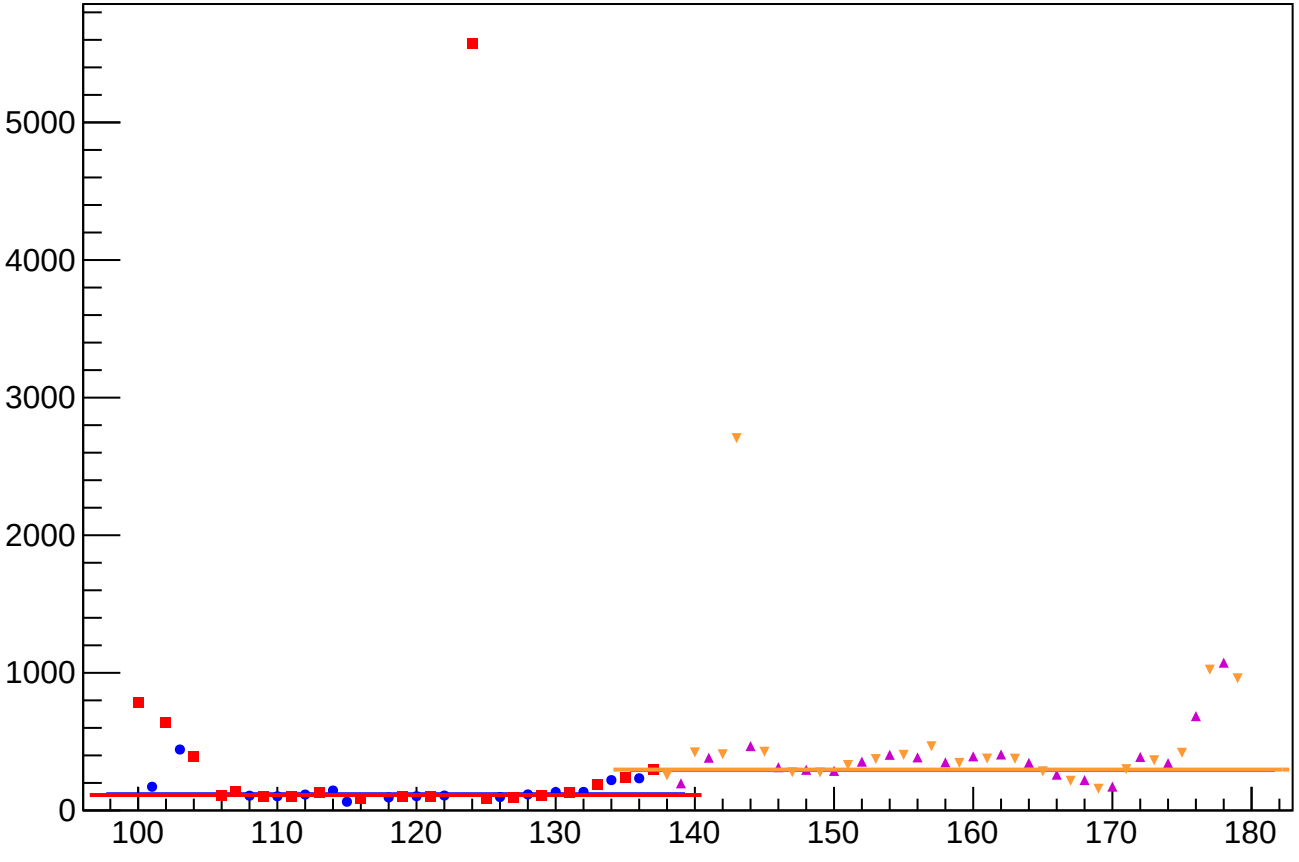
Left In: -0.041+/-0.078 χ^2/NDF:24.3/19

+ sign 0.020+/-0.041 χ^2/NDF: 39.5/37

All: 0.014+/-0.029 χ^2/NDF: 86.4/76

- sign 0.008+/-0.040 χ^2/NDF: 46.9/38

asym_atr1l2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 117.649+/-0.034 χ^2/NDF: 1722401.0/15

Left Out: 297.004+/-0.056 χ^2/NDF:5471650.8/21

Right Out: 112.124+/-0.033 χ^2/NDF: 2186364.8/18

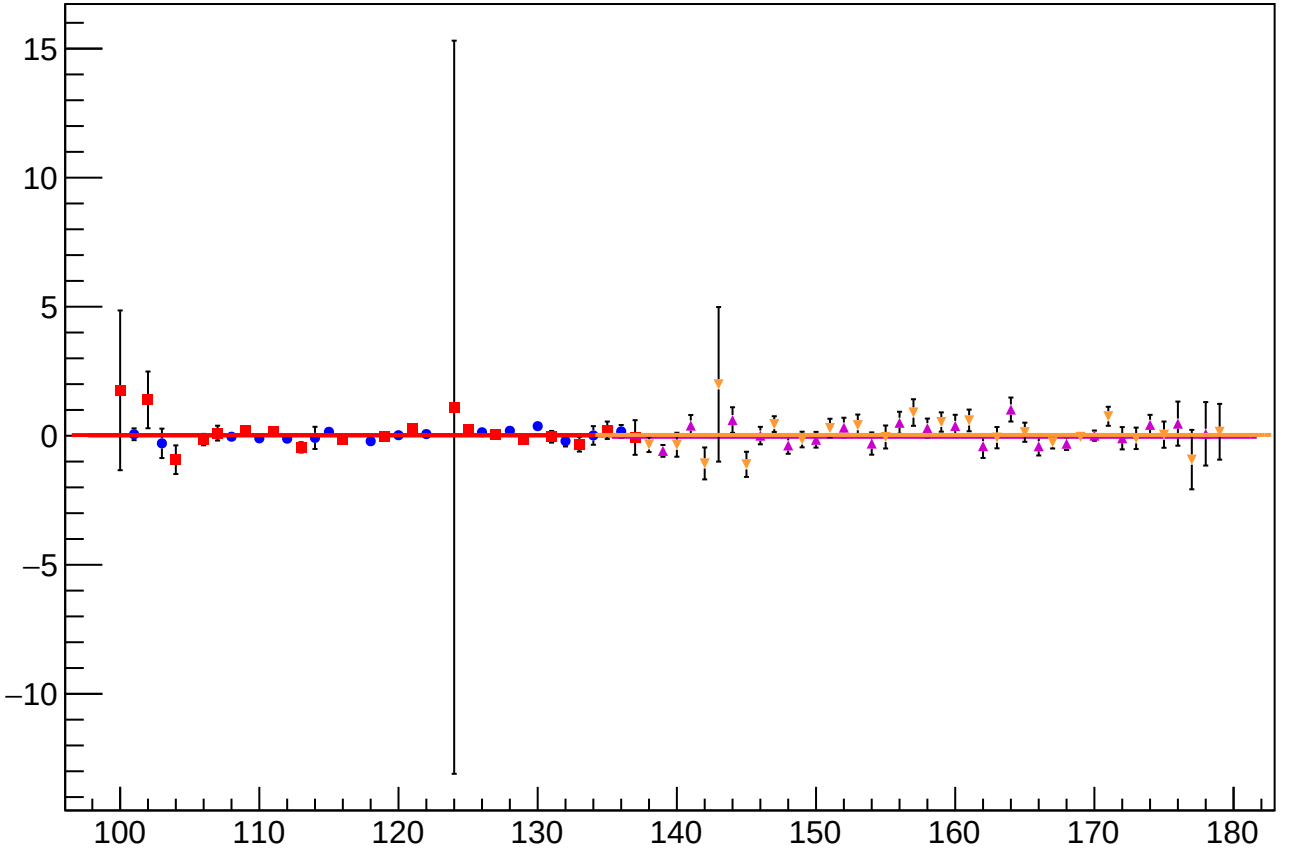
Left In: 293.772+/-0.055 χ^2/NDF:3587220.2/19

+ sign 165.839+/-0.029 χ^2/NDF: 14730125.6/37

All: 162.833+/-0.020 χ^2/NDF: 28441111.7/76

- sign 159.936+/-0.028 χ^2/NDF: 13689832.1/38

asym_atr1l2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: 0.032+/-0.079 χ^2/NDF:27.7/21

Right Out: 0.026+/-0.047 χ^2/NDF: 22.1/18

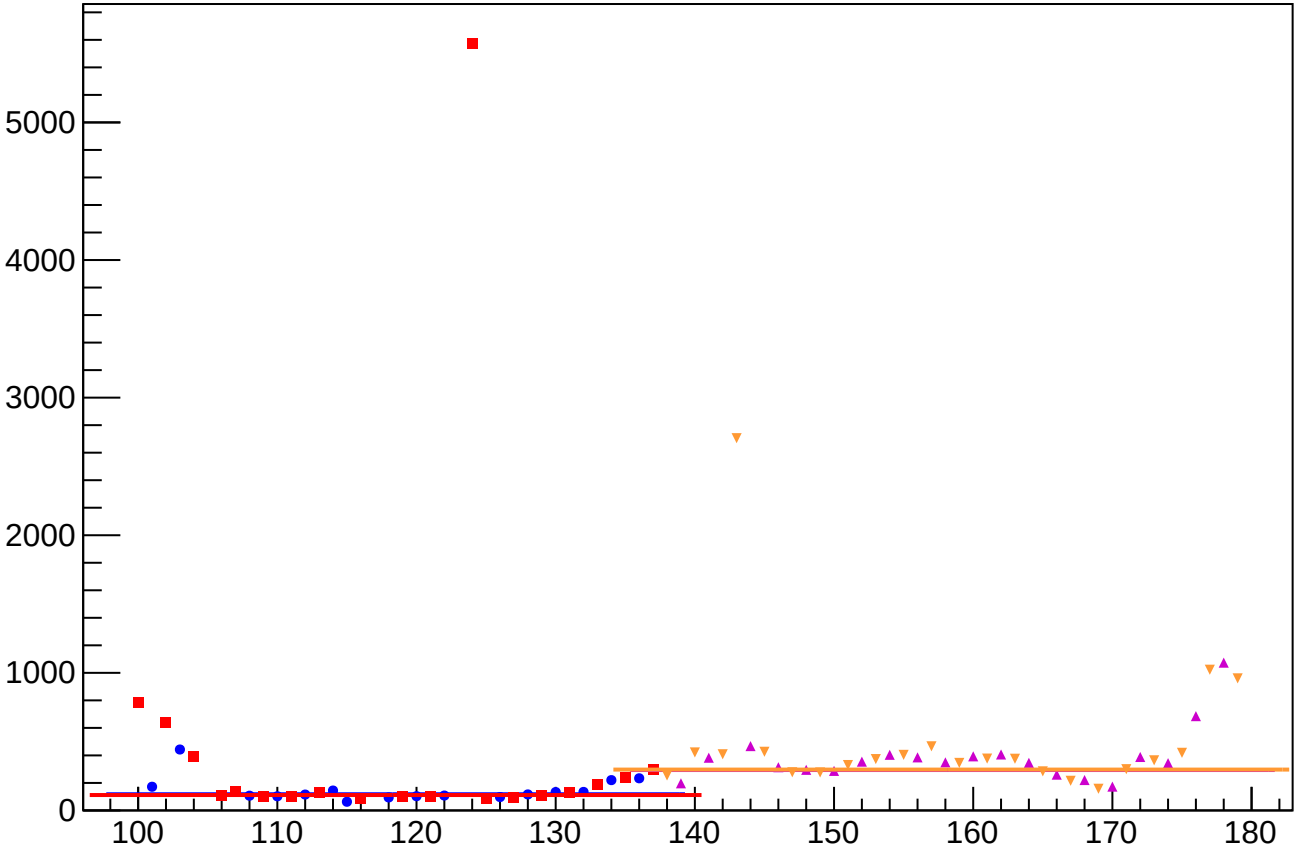
Left In: -0.041+/-0.078 χ^2/NDF:24.3/19

+ sign 0.020+/-0.041 χ^2/NDF: 39.5/37

All: 0.014+/-0.029 χ^2/NDF: 86.4/76

- sign 0.008+/-0.040 χ^2/NDF: 46.9/38

asym_atr1l2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 117.649+/-0.034 χ^2/NDF: 1722401.0/15

Left Out: 297.004+/-0.056 χ^2/NDF:5471650.8/21

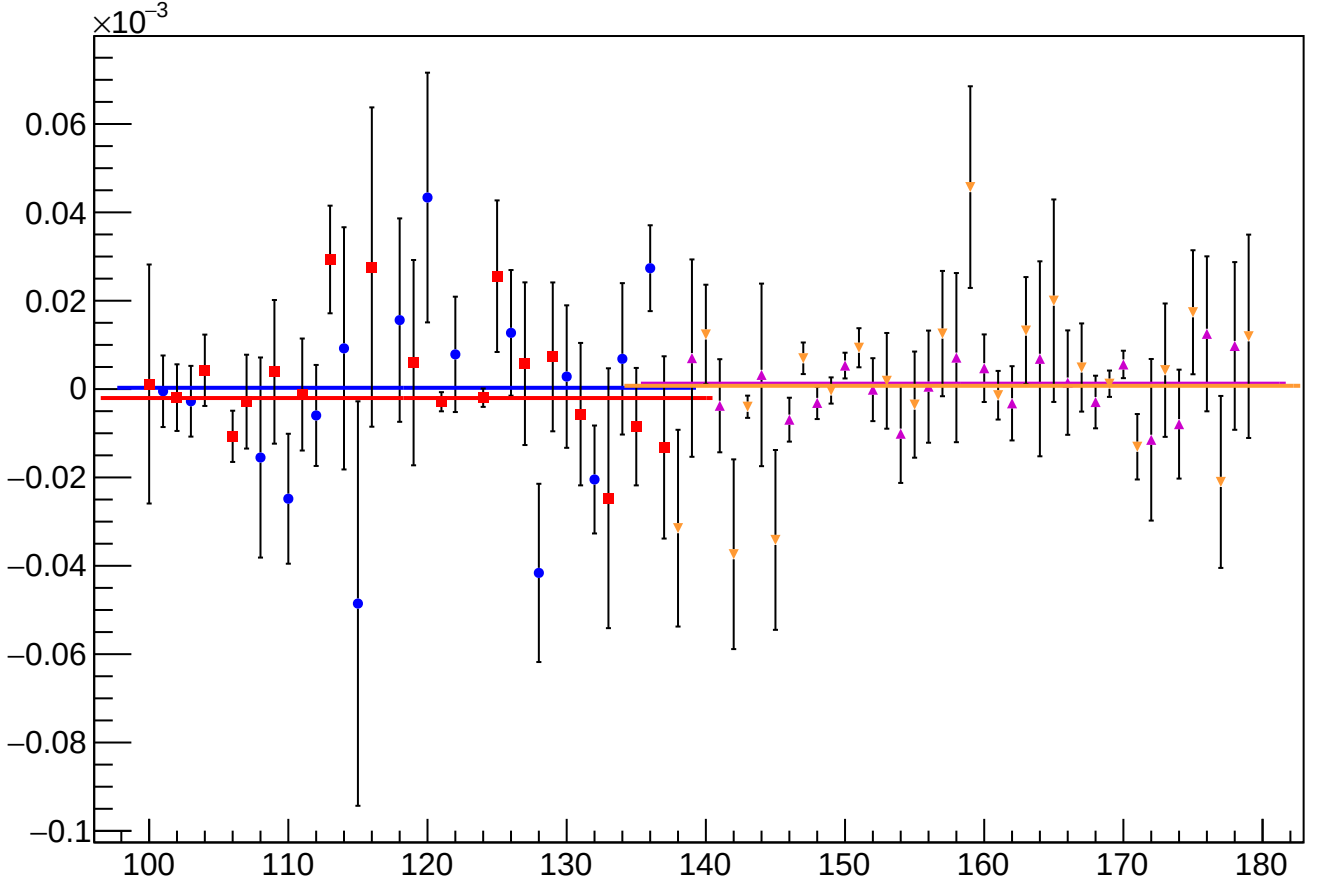
Right Out: 112.124+/-0.033 χ^2/NDF: 2186364.8/18

Left In: 293.772+/-0.055 χ^2/NDF:3587220.2/19

+ sign 165.839+/-0.029 χ^2/NDF: 14730125.6/37

All: 162.833+/-0.020 χ^2/NDF: 28441111.7/76

- sign 159.936+/-0.028 χ^2/NDF: 13689832.1/38



Right In: 0.000+/-0.000 χ^2/NDF: 24.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:33.0/21

Right Out: -0.000+/-0.000 χ^2/NDF: 14.8/18

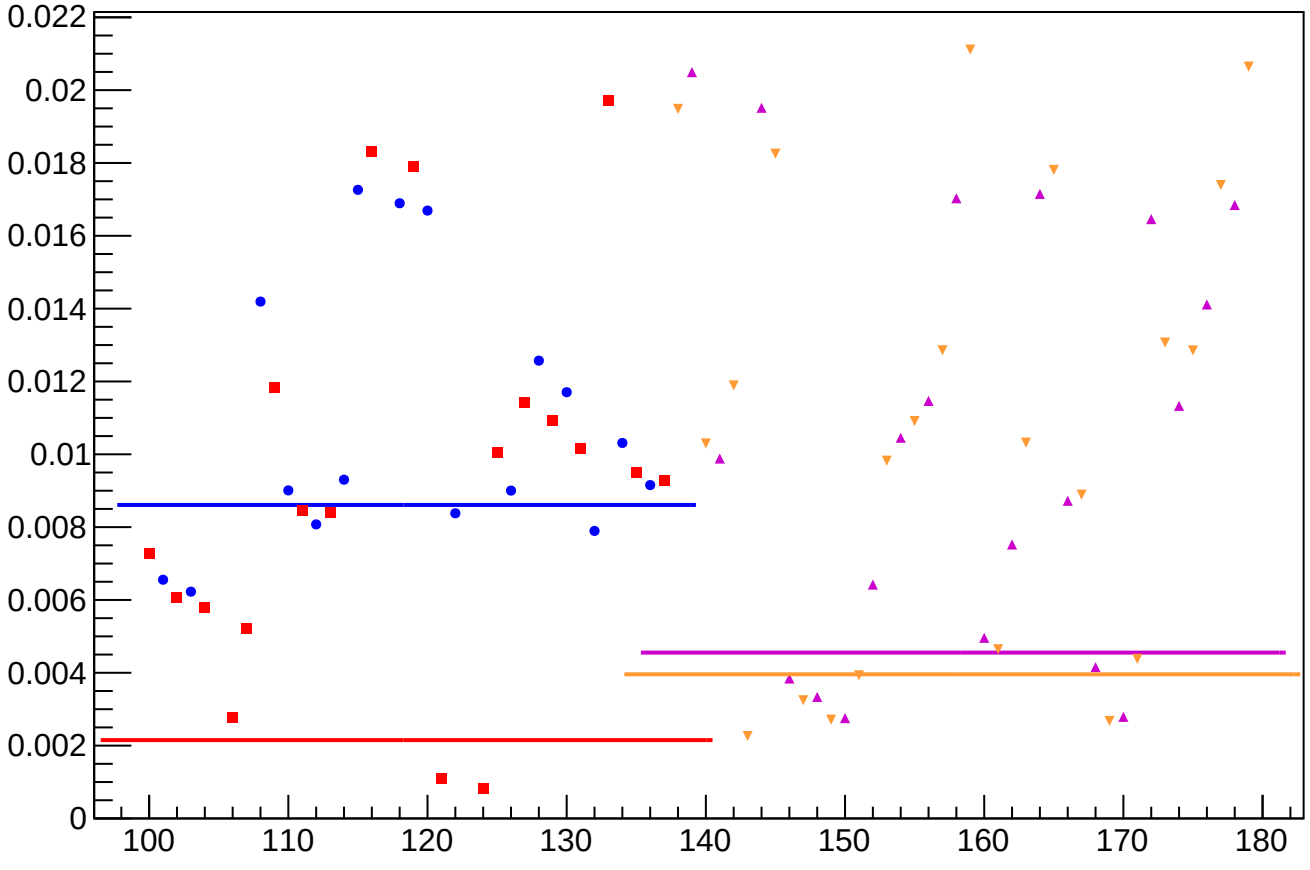
Left In: 0.000+/-0.000 χ^2/NDF:12.2/19

+ sign 0.000+/-0.000 χ^2/NDF: 57.1/37

All: -0.000+/-0.000 χ^2/NDF: 87.5/76

- sign -0.000+/-0.000 χ^2/NDF: 29.7/38

asym_atr1l2_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 1114251.2/15

Left Out: 0.004+/-0.000 χ^2/NDF:13091322.5/21

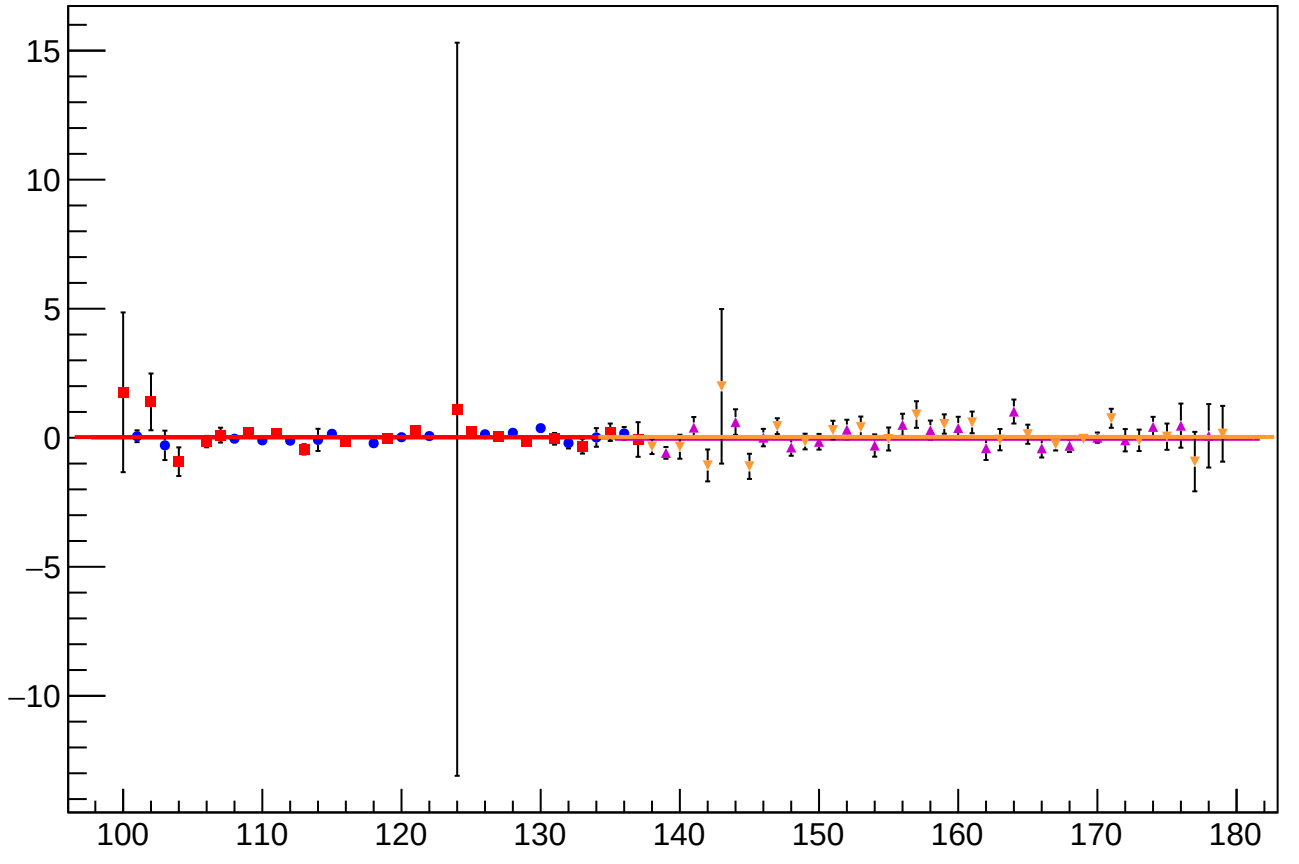
Right Out: 0.002+/-0.000 χ^2/NDF: 9086978.1/18

Left In: 0.005+/-0.000 χ^2/NDF:10440165.8/19

+ sign 0.005+/-0.000 χ^2/NDF: 17543302.5/37

All: 0.004+/-0.000 χ^2/NDF: 41402279.0/76

- sign 0.003+/-0.000 χ^2/NDF: 22481283.7/38



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: 0.032+/-0.079 χ^2/NDF:27.7/21

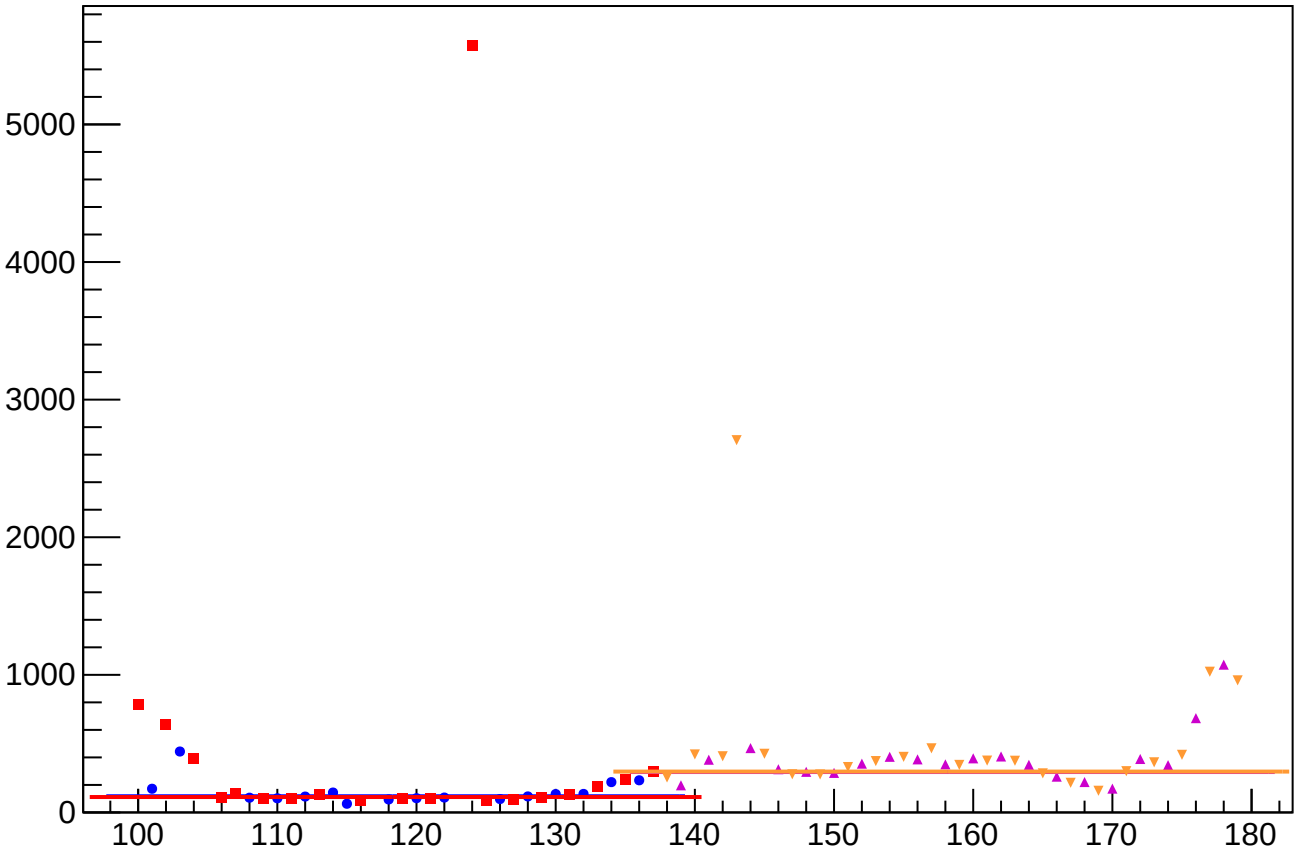
Right Out: 0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: -0.041+/-0.078 χ^2/NDF:24.3/19

+ sign 0.020+/-0.041 χ^2/NDF: 39.5/37

All: 0.014+/-0.029 χ^2/NDF: 86.4/76

- sign 0.008+/-0.040 χ^2/NDF: 46.9/38



Right In: 117.649+/-0.034 χ^2/NDF: 1722367.8/15

Left Out: 297.006+/-0.056 χ^2/NDF:5471719.4/21

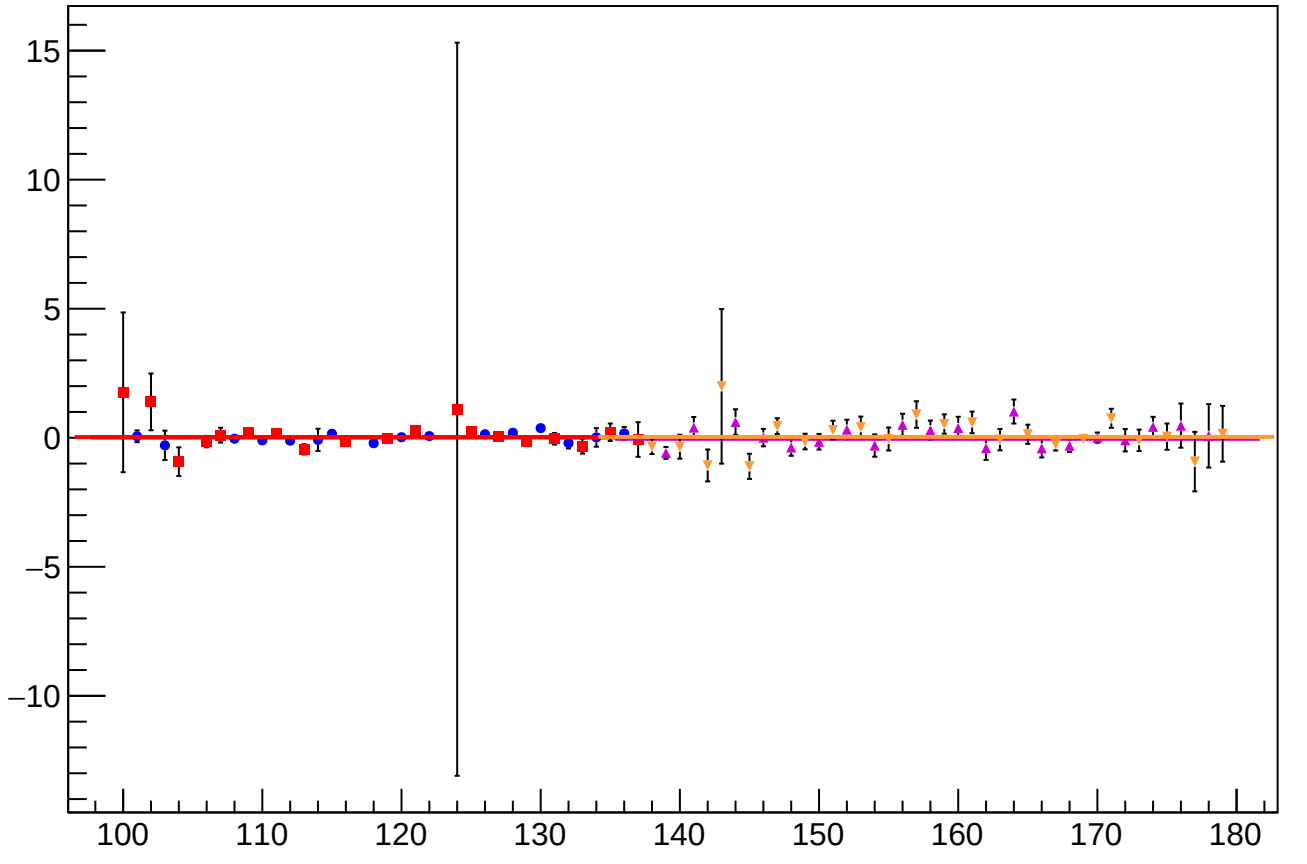
Right Out: 112.126+/-0.033 χ^2/NDF: 2186296.2/18

Left In: 293.775+/-0.055 χ^2/NDF:3587201.4/19

+ sign 165.839+/-0.029 χ^2/NDF: 14730223.7/37

All: 162.834+/-0.020 χ^2/NDF: 28441055.7/76

- sign 159.938+/-0.028 χ^2/NDF: 13689692.9/38



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: 0.032+/-0.079 χ^2/NDF:27.7/21

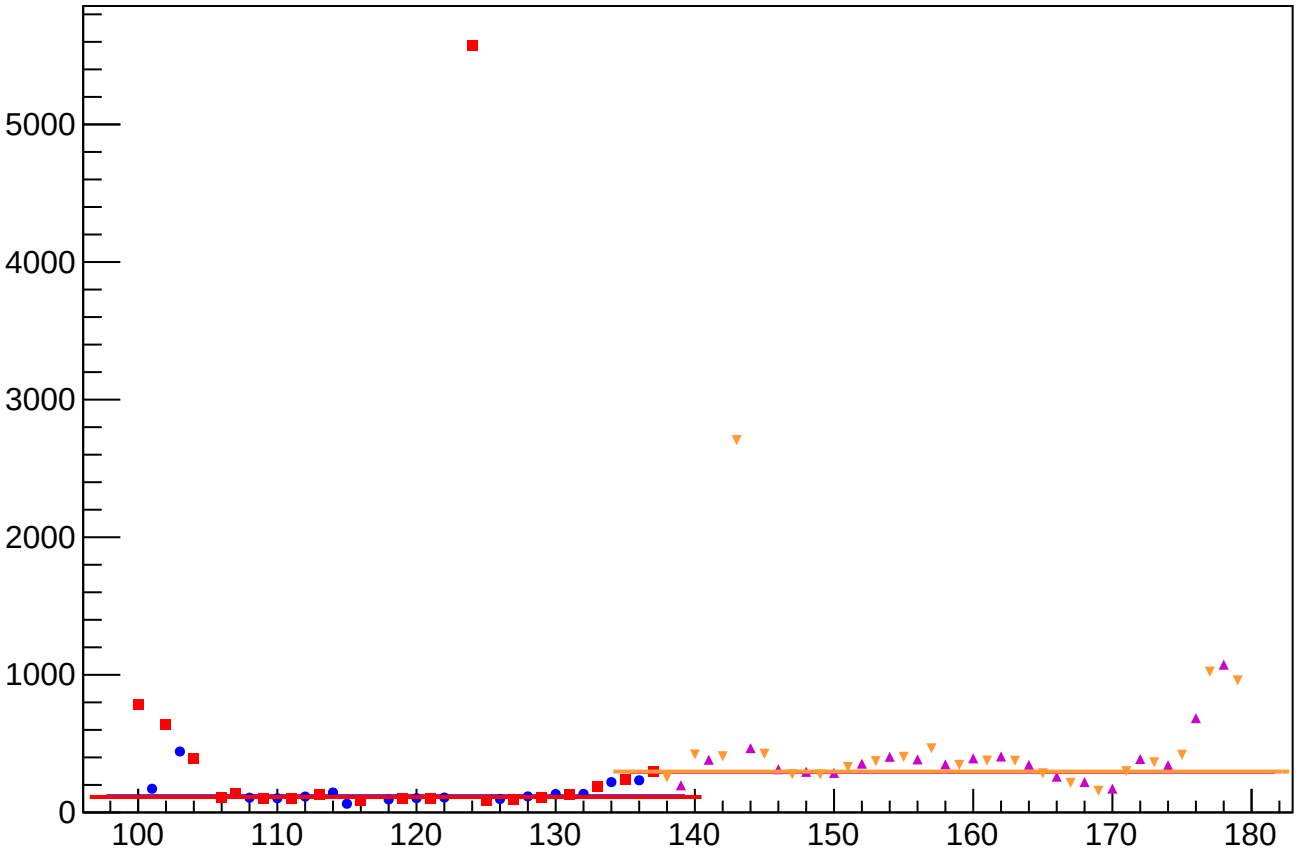
Right Out: 0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: -0.041+/-0.078 χ^2/NDF:24.3/19

+ sign 0.020+/-0.041 χ^2/NDF: 39.5/37

All: 0.014+/-0.029 χ^2/NDF: 86.4/76

- sign 0.008+/-0.040 χ^2/NDF: 46.9/38



Right In: 117.649+/-0.034 χ^2/NDF: 1722367.8/15

Left Out: 297.006+/-0.056 χ^2/NDF:5471719.4/21

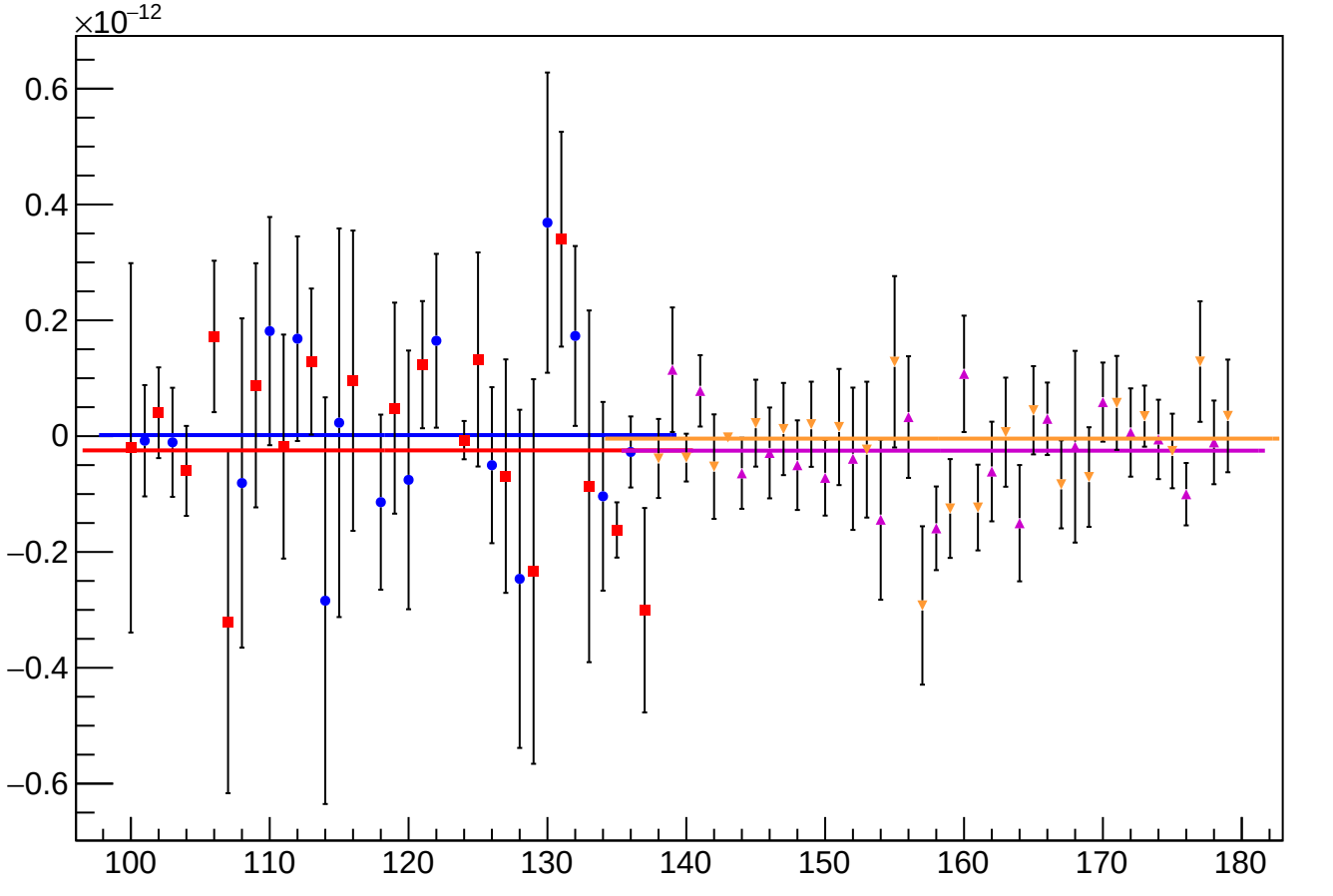
Right Out: 112.126+/-0.033 χ^2/NDF: 2186296.2/18

Left In: 293.775+/-0.055 χ^2/NDF:3587201.4/19

+ sign 165.839+/-0.029 χ^2/NDF: 14730223.7/37

All: 162.834+/-0.020 χ^2/NDF: 28441055.7/76

- sign 159.938+/-0.028 χ^2/NDF: 13689692.9/38



Right In: 0.000+/-0.000 χ^2/NDF: 9.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:16.6/21

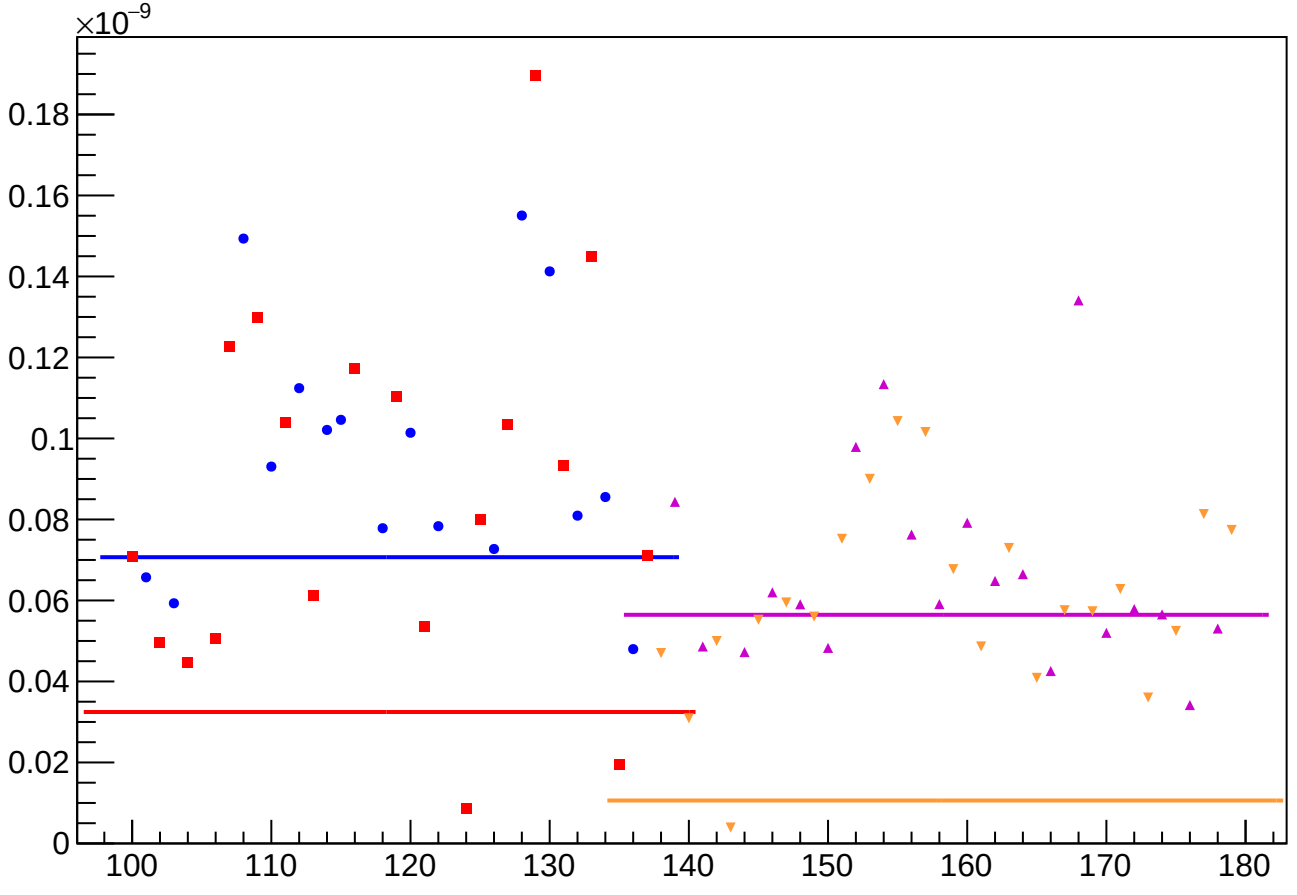
Right Out: -0.000+/-0.000 χ^2/NDF: 24.2/18

Left In: -0.000+/-0.000 χ^2/NDF:18.0/19

+ sign -0.000+/-0.000 χ^2/NDF: 25.7/37

All: -0.000+/-0.000 χ^2/NDF: 69.9/76

- sign -0.000+/-0.000 χ^2/NDF: 42.3/38



Right In: 0.000+/-0.000 χ^2/NDF: 1023708.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:17102690.8/21

Right Out: 0.000+/-0.000 χ^2/NDF: 4449161.8/18

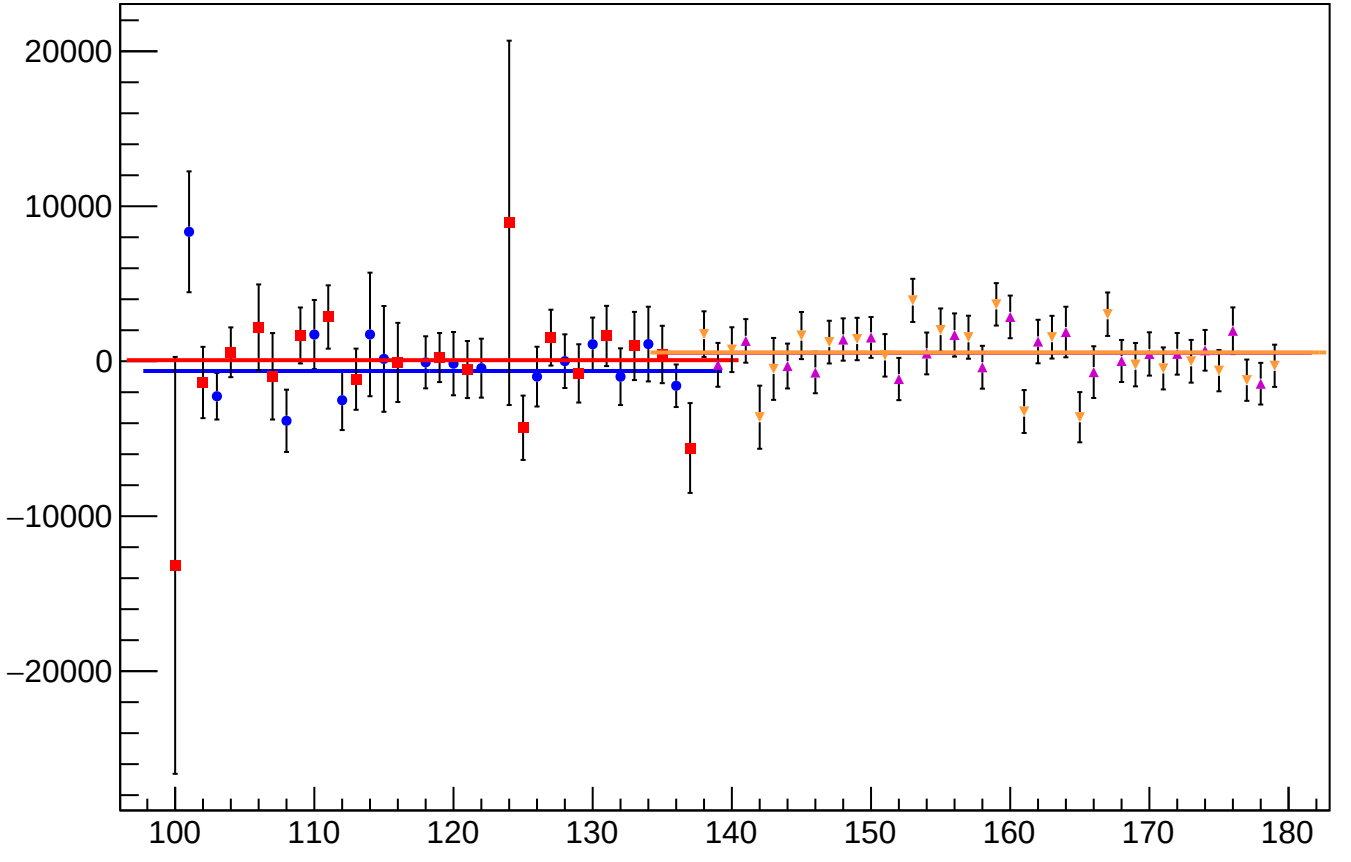
Left In: 0.000+/-0.000 χ^2/NDF:1931524.1/19

+ sign 0.000+/-0.000 χ^2/NDF: 24022697.1/37

All: 0.000+/-0.000 χ^2/NDF: 42851432.8/76

- sign 0.000+/-0.000 χ^2/NDF: 7882763.7/38

reg_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 564.856+/-305.370 χ^2/NDF:40.8/21

Right Out: 67.642+/-487.761 χ^2/NDF: 15.9/18

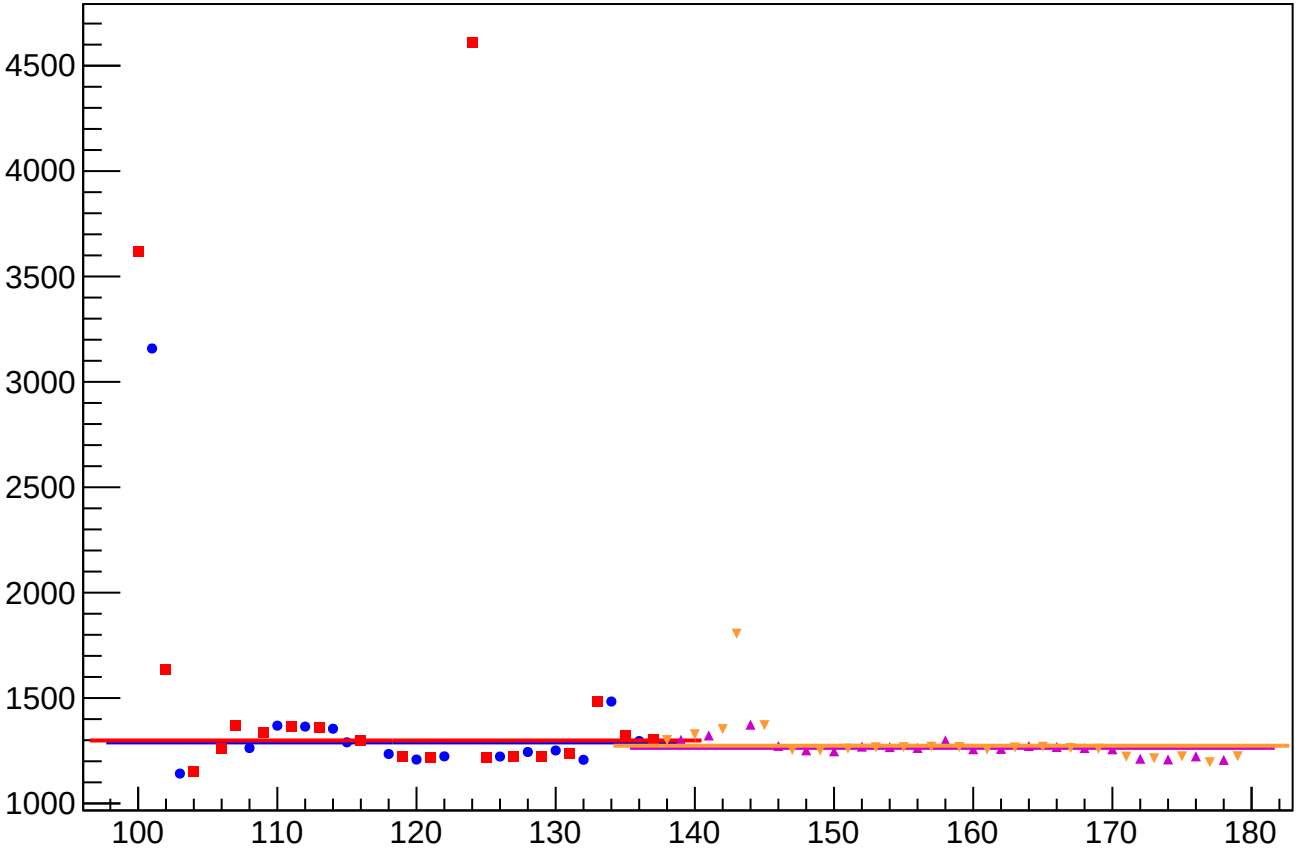
Left In: 543.002+/-312.722 χ^2/NDF:13.1/19

+ sign 228.999+/-258.964 χ^2/NDF: 59.0/37

All: 315.318+/-184.615 χ^2/NDF: 88.8/76

- sign 404.524+/-263.260 χ^2/NDF: 29.6/38

reg_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1273.834+/-0.216 χ^2/NDF:177476.2/21

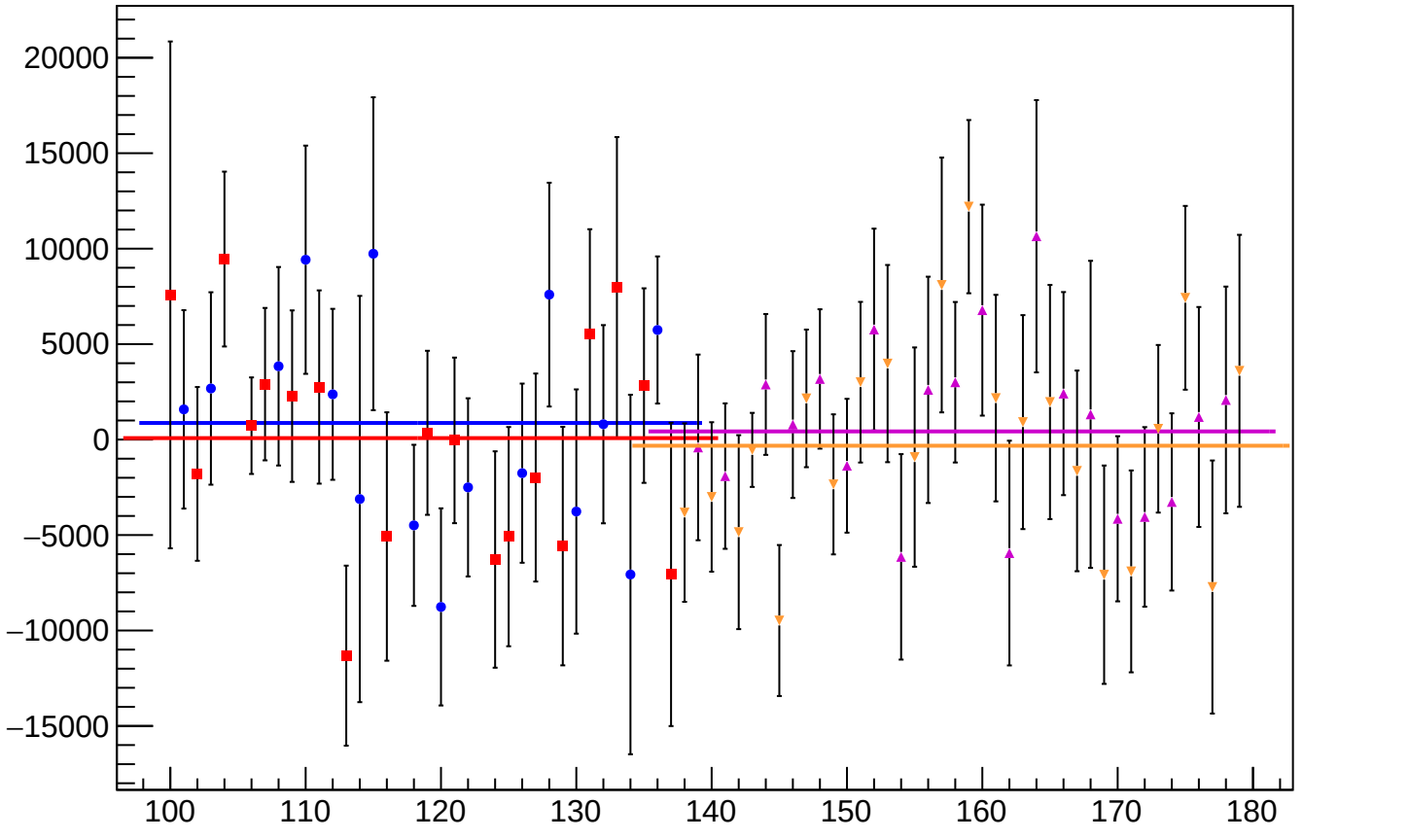
Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1263.728+/-0.221 χ^2/NDF:30050.0/19

+ sign 1278.224+/-0.183 χ^2/NDF: 693623.2/37

All: 1276.116+/-0.130 χ^2/NDF: 1050612.2/76

- sign 1273.941+/-0.186 χ^2/NDF: 356719.8/38



Right In: 870.295+/-1325.278 χ^2/NDF: 14.0/15

Left Out: -321.877+/-928.901 χ^2/NDF:26.1/21

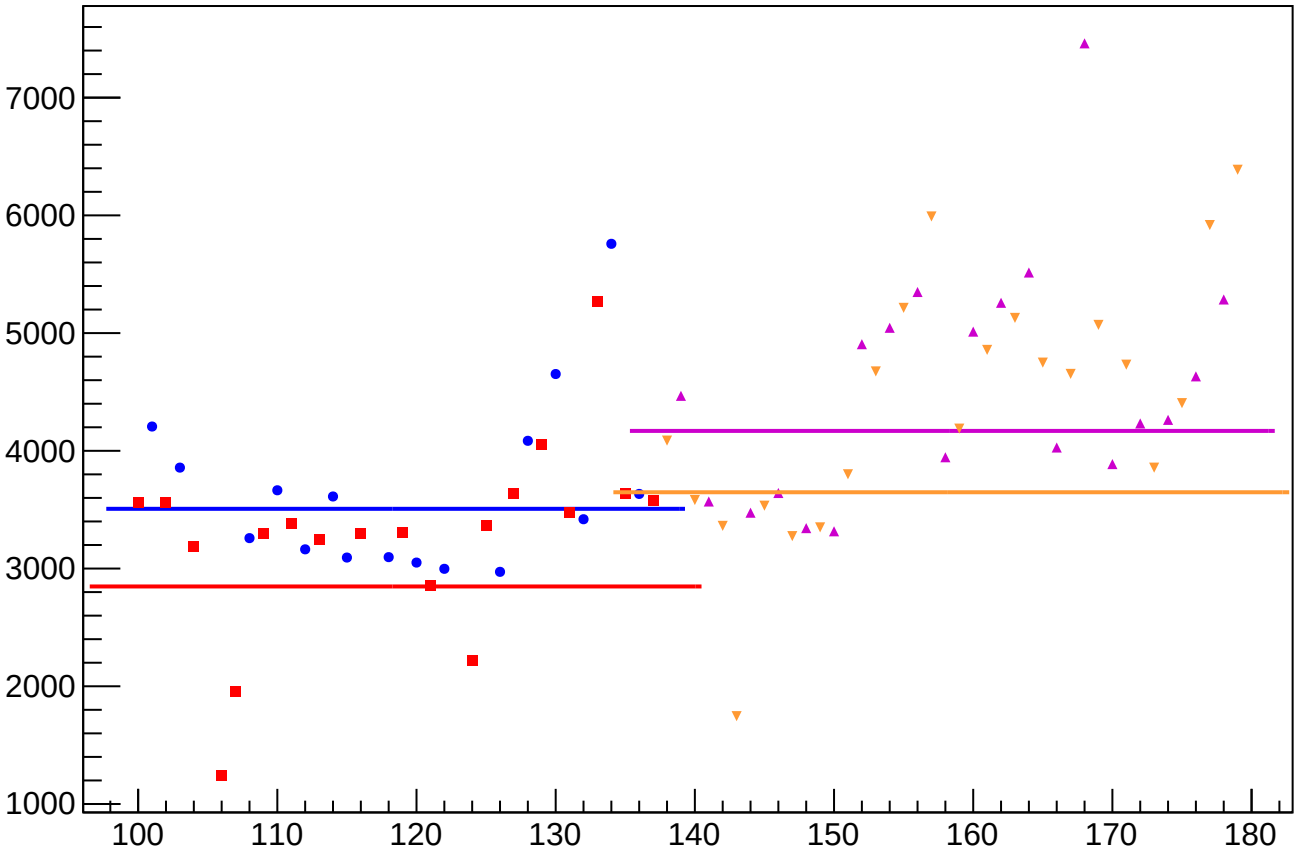
Right Out: 77.323+/-1111.074 χ^2/NDF: 18.4/18

Left In: 428.141+/-1054.120 χ^2/NDF:12.2/19

+ sign 70.863+/-760.660 χ^2/NDF: 40.7/37

All: 165.900+/-539.297 χ^2/NDF: 71.3/76

- sign 261.954+/-764.717 χ^2/NDF: 30.6/38



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

Left Out: 3648.051+/-0.657 χ^2/NDF:3658618.3/21

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

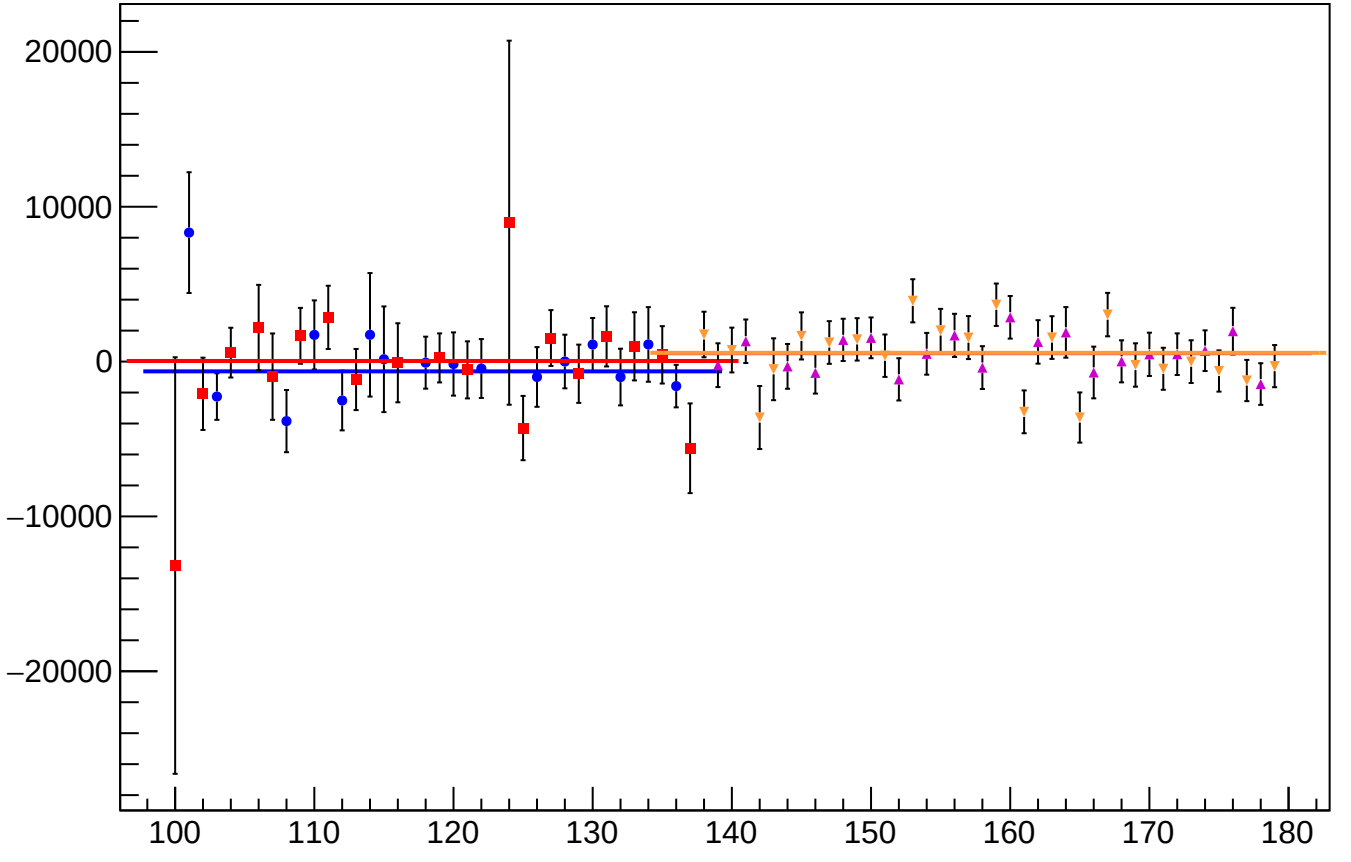
Left In: 4169.150+/-0.745 χ^2/NDF:1179312.4/19

+ sign 3601.715+/-0.538 χ^2/NDF: 4027703.8/37

All: 3572.625+/-0.381 χ^2/NDF: 8200878.4/76

- sign 3543.224+/-0.541 χ^2/NDF: 4167293.2/38

cor_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 564.875+/-305.370 χ^2/NDF:40.8/21

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

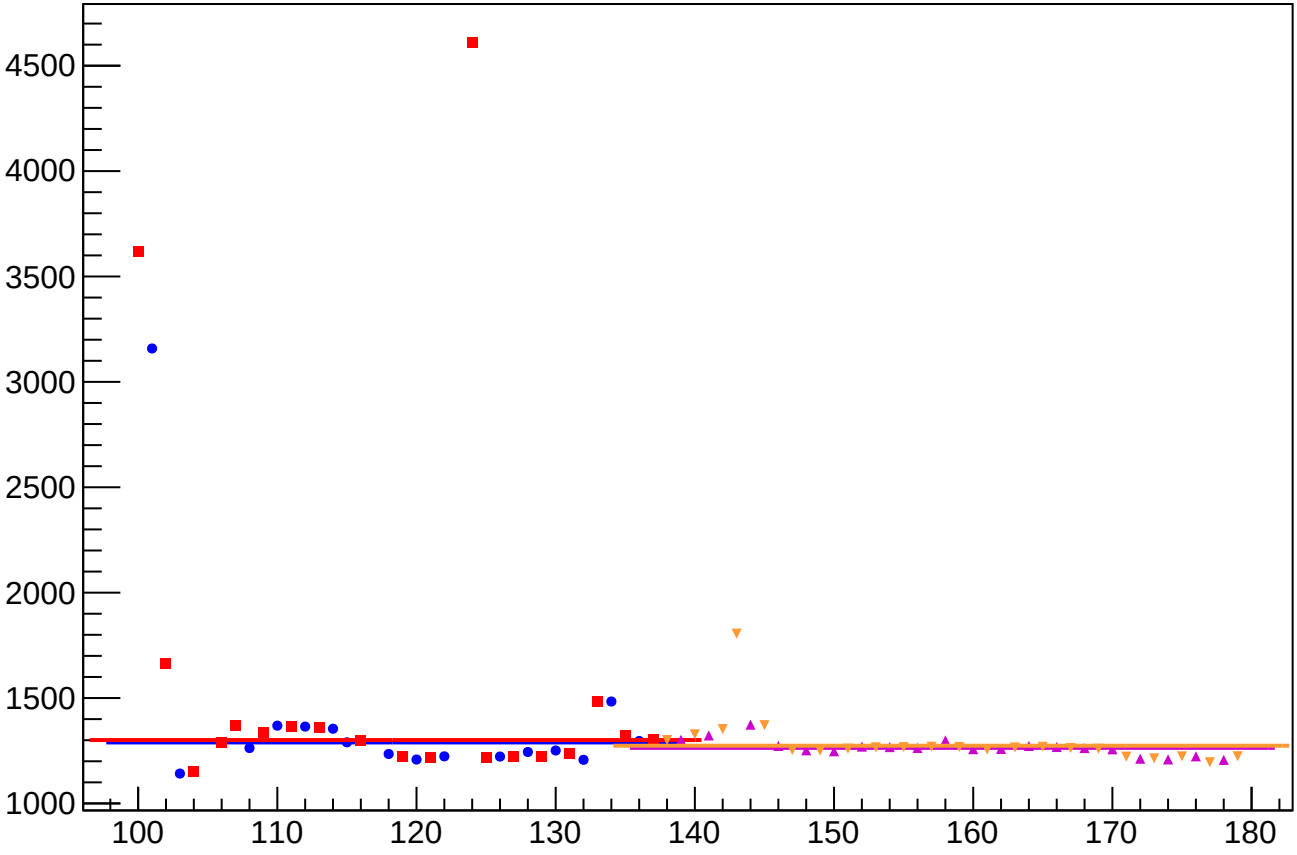
Left In: 542.923+/-312.722 χ^2/NDF:13.1/19

+ sign 228.905+/-258.964 χ^2/NDF: 58.9/37

All: 311.137+/-184.633 χ^2/NDF: 89.3/76

- sign 396.153+/-263.311 χ^2/NDF: 30.1/38

cor_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1273.834+/-0.216 χ^2/NDF:177476.2/21

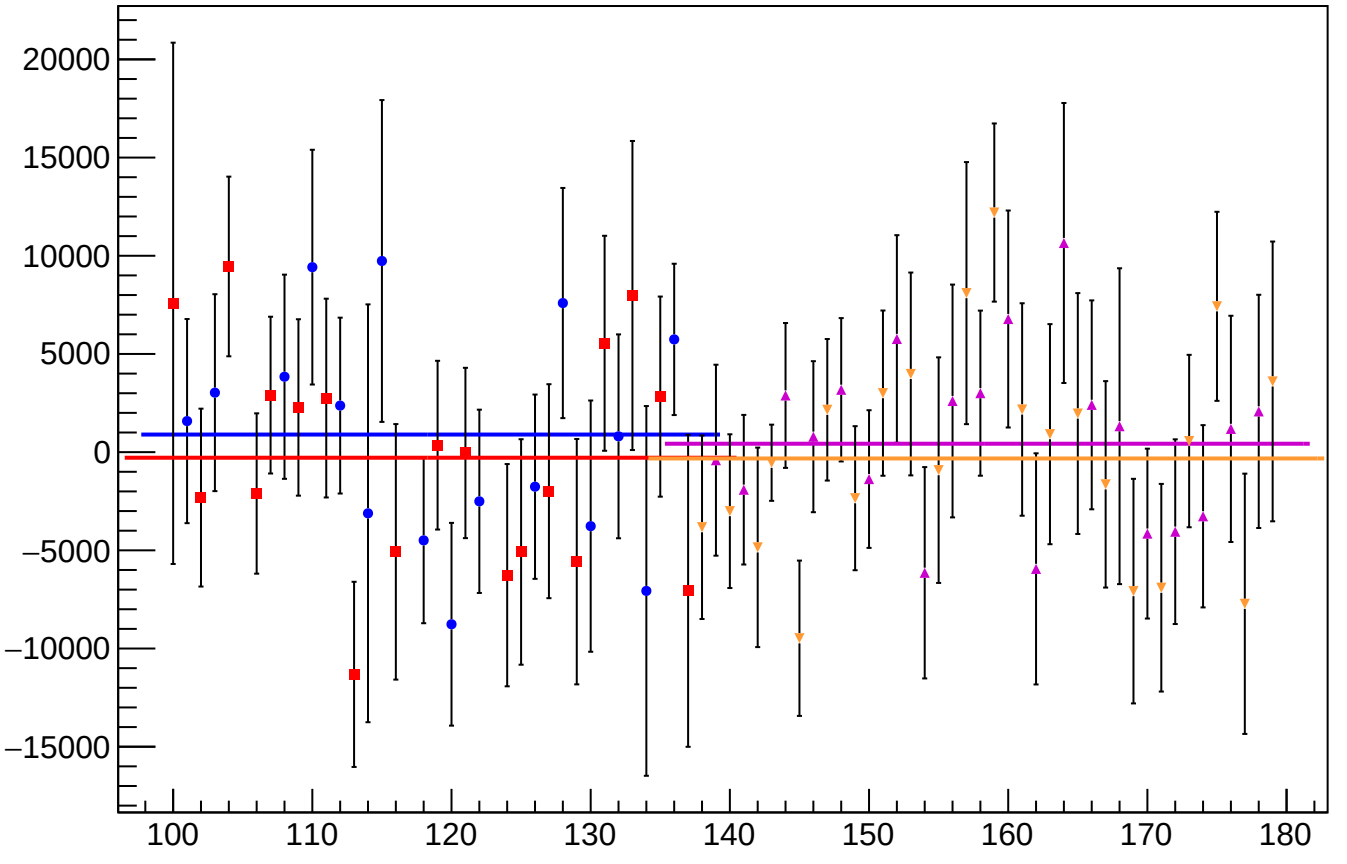
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1263.728+/-0.221 χ^2/NDF:30050.0/19

+ sign 1278.224+/-0.183 χ^2/NDF: 693624.6/37

All: 1276.398+/-0.131 χ^2/NDF: 1057934.7/76

- sign 1274.512+/-0.186 χ^2/NDF: 364107.9/38



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -321.812+/-928.899 χ^2/NDF:26.1/21

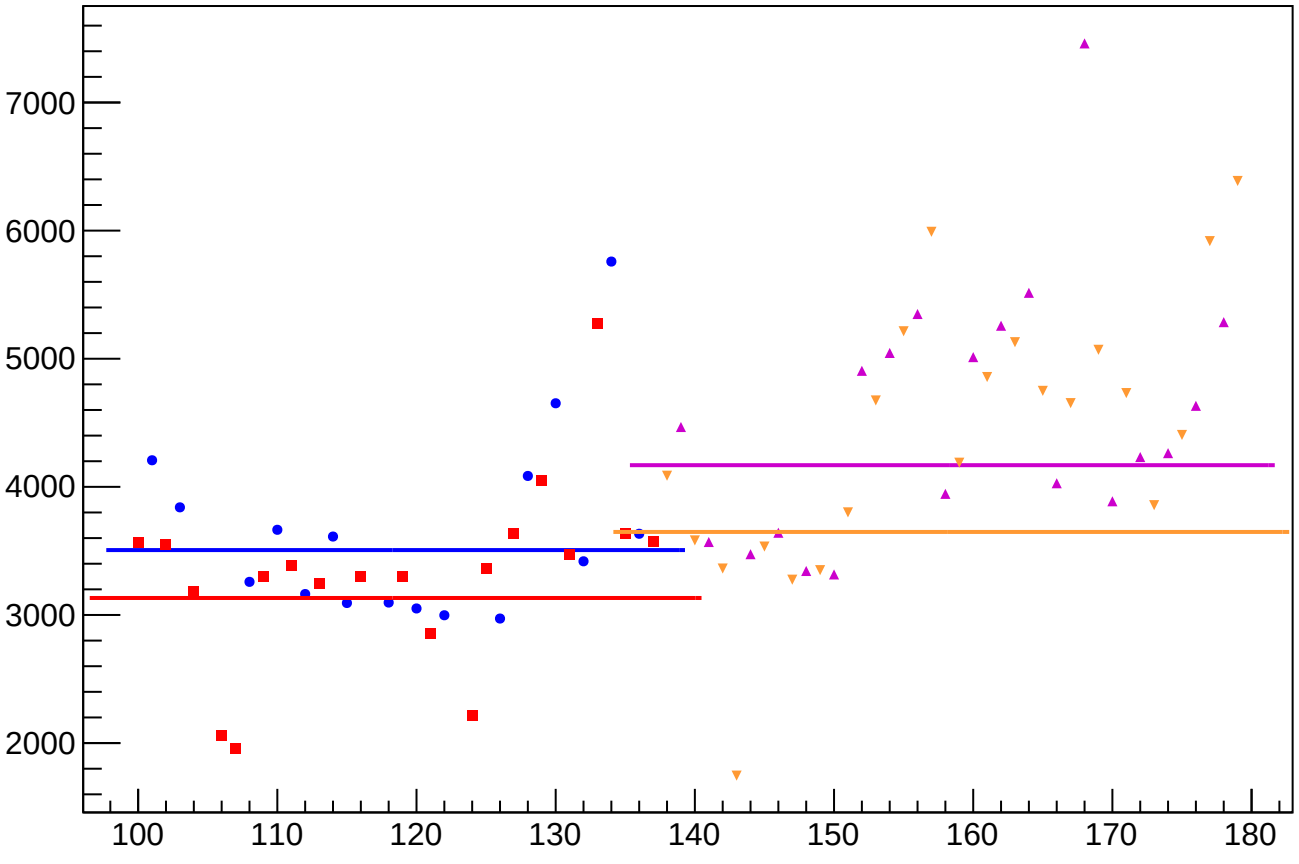
Right Out: -283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: 428.148+/-1054.118 χ^2/NDF:12.2/19

\+ sign 79.564+/-760.573 χ^2/NDF: 40.8/37

All: 95.726+/-546.931 χ^2/NDF: 71.7/76

\- sign 113.033+/-787.061 χ^2/NDF: 31.0/38



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3648.042+/-0.657 χ^2/NDF:3658655.1/21

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

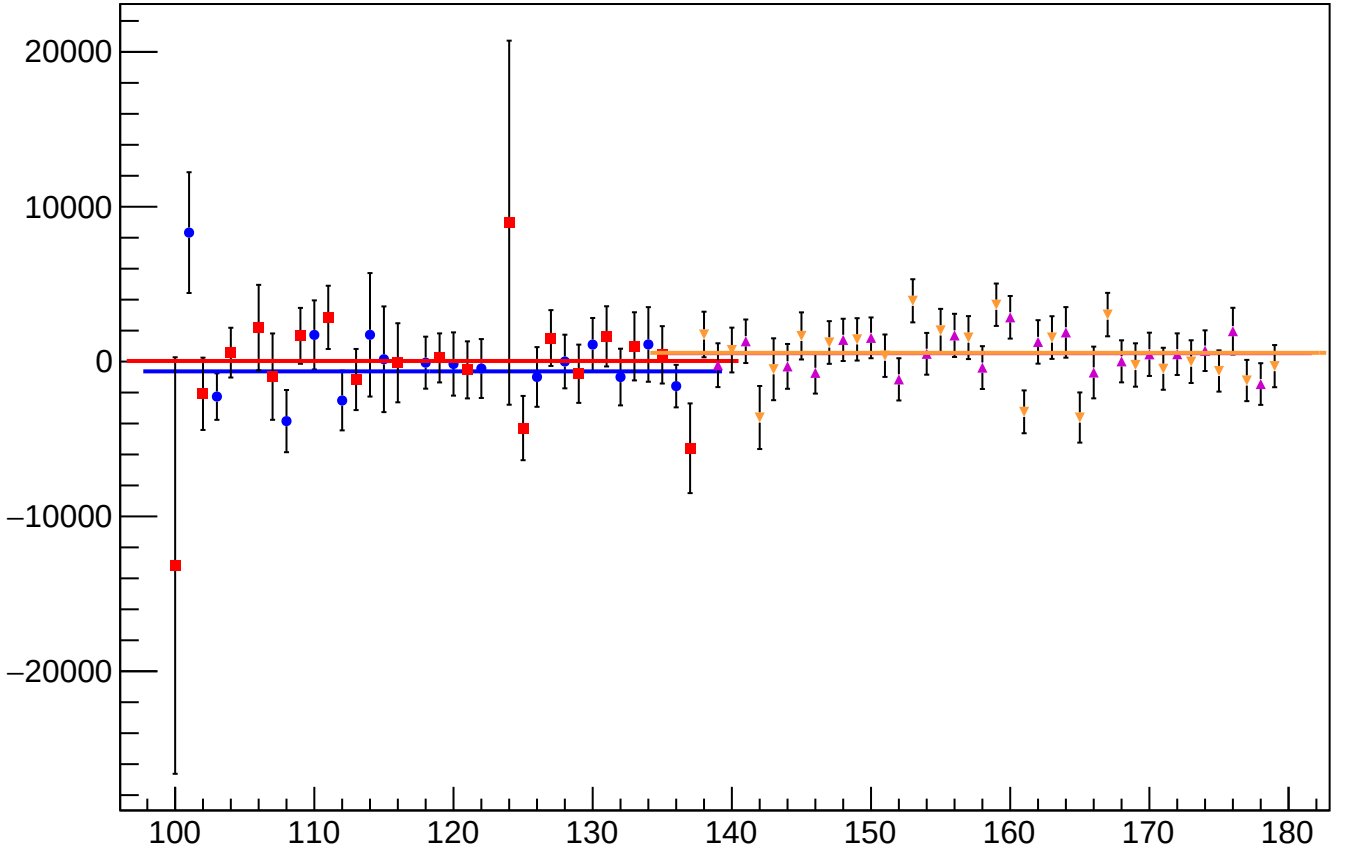
Left In: 4169.144+/-0.745 χ^2/NDF:1179312.1/19

+ sign 3601.387+/-0.538 χ^2/NDF: 4027201.1/37

All: 3654.056+/-0.387 χ^2/NDF: 6731761.9/76

- sign 3710.459+/-0.557 χ^2/NDF: 2684698.9/38

eigen_cor_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 564.875+/-305.370 χ^2/NDF:40.8/21

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

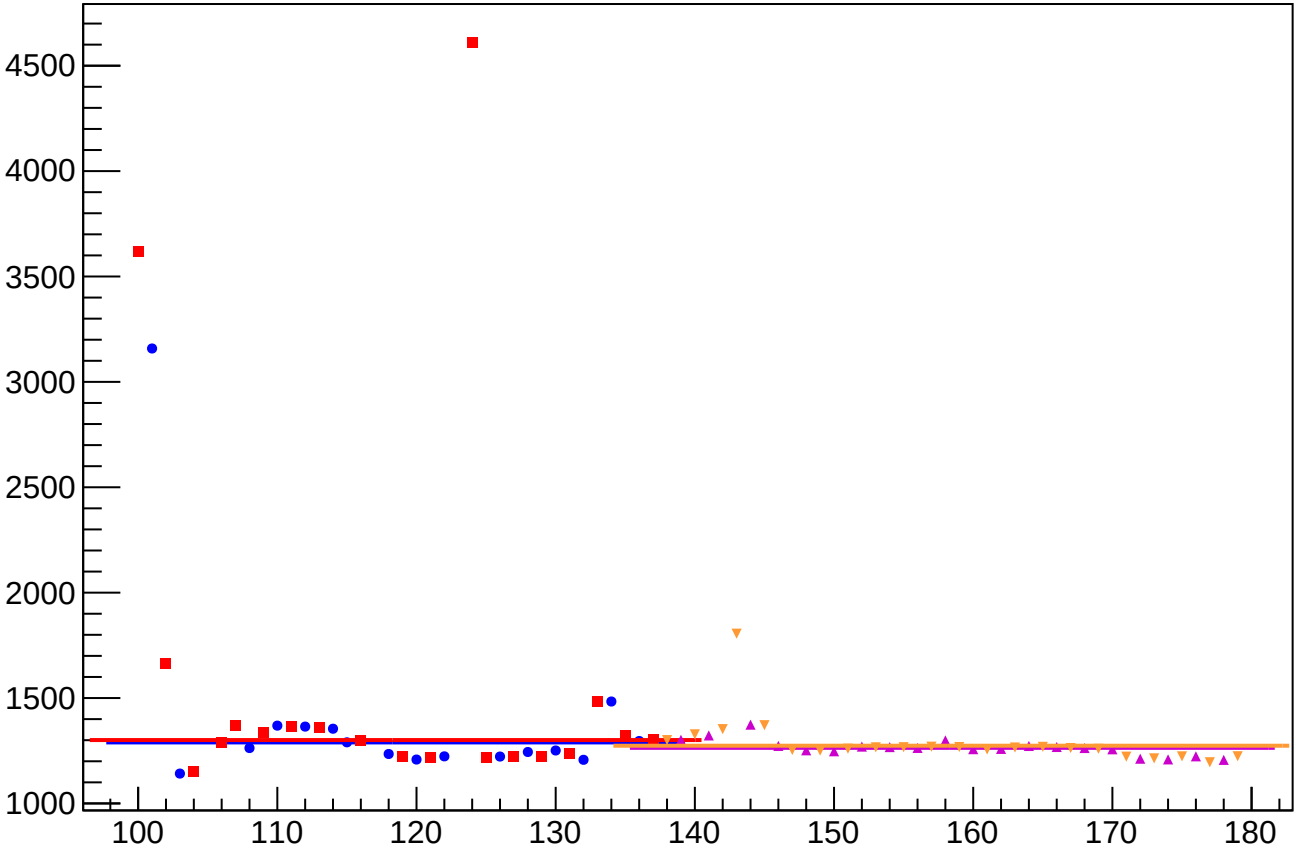
Left In: 542.923+/-312.722 χ^2/NDF:13.1/19

\+ sign 228.905+/-258.964 χ^2/NDF: 58.9/37

All: 311.137+/-184.633 χ^2/NDF: 89.3/76

\- sign 396.153+/-263.311 χ^2/NDF: 30.1/38

eigen_cor_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1273.834+/-0.216 χ^2/NDF:177476.2/21

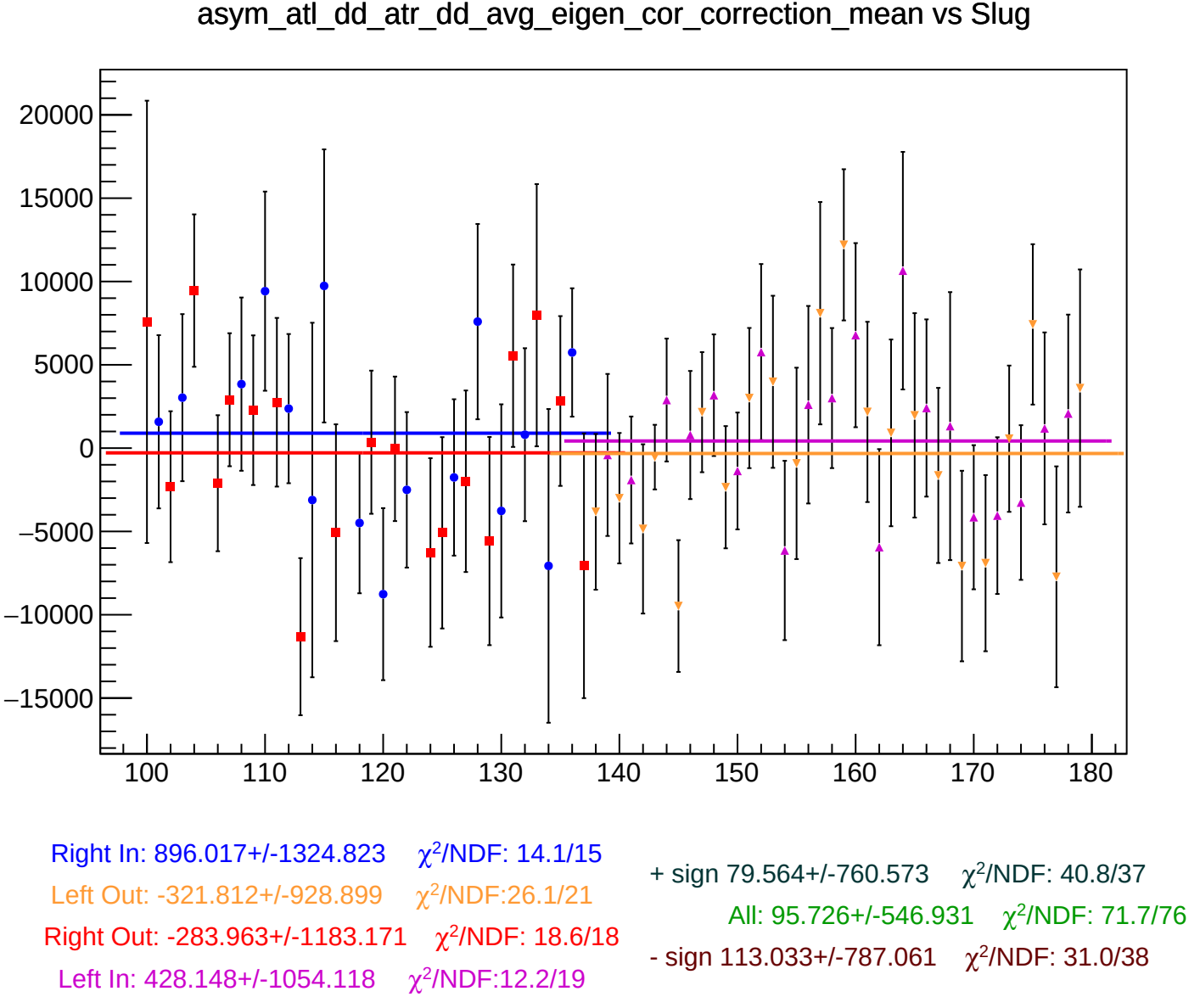
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

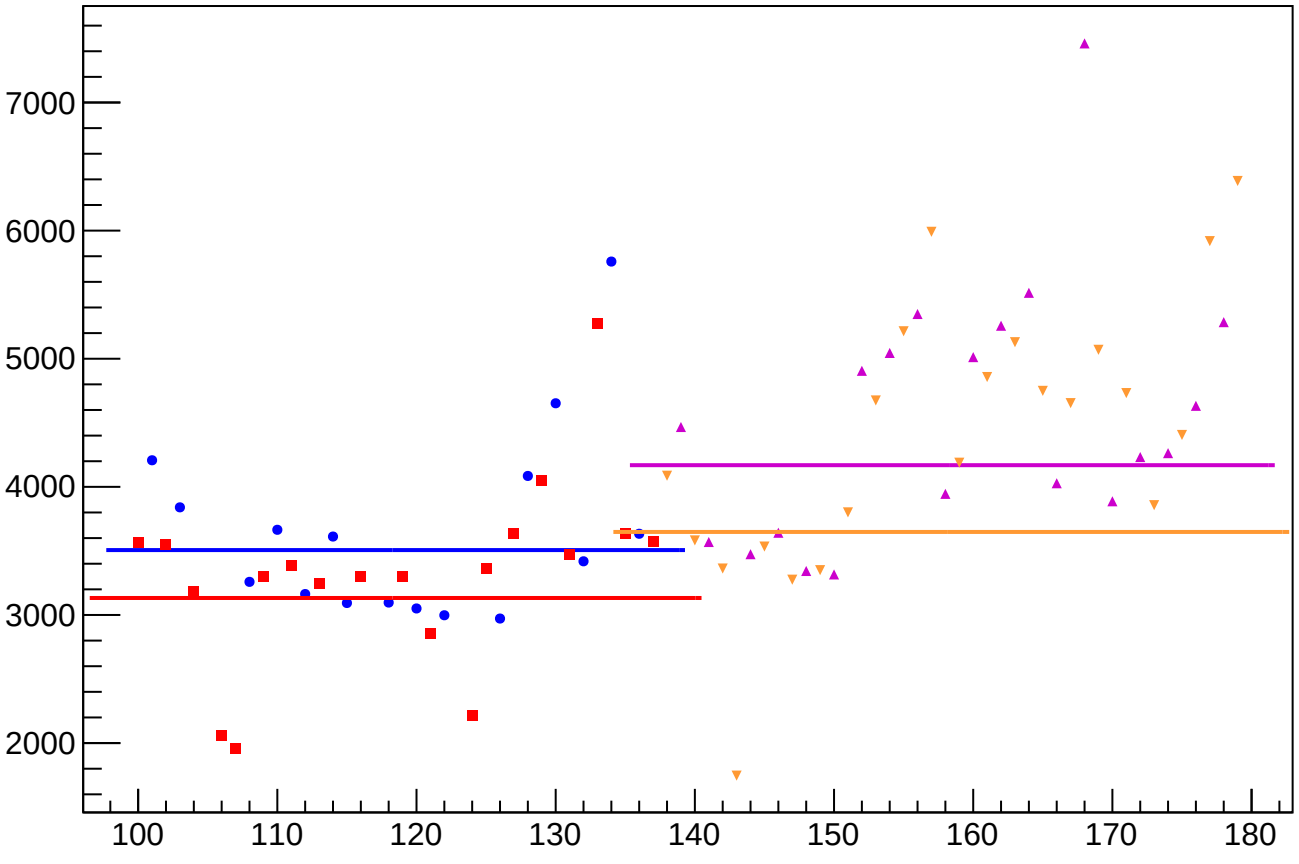
Left In: 1263.728+/-0.221 χ^2/NDF:30050.0/19

+ sign 1278.224+/-0.183 χ^2/NDF: 693624.6/37

All: 1276.398+/-0.131 χ^2/NDF: 1057934.7/76

- sign 1274.512+/-0.186 χ^2/NDF: 364107.9/38


asym_atl_dd_atr_dd_avg_eigen_cor_correction_mean vs Slug
20000
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
180
Right In: 896.017+/-1324.823 χ²/NDF: 14.1/15
Left Out: -321.812+/-928.899 χ²/NDF:26.1/21
Right Out: -283.963+/-1183.171 χ²/NDF: 18.6/18
Left In: 428.148+/-1054.118 χ²/NDF:12.2/19
+ sign 79.564+/-760.573 χ²/NDF: 40.8/37
All: 95.726+/-546.931 χ²/NDF: 71.7/76
- sign 113.033+/-787.061 χ²/NDF: 31.0/38



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3648.042+/-0.657 χ^2/NDF:3658655.1/21

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

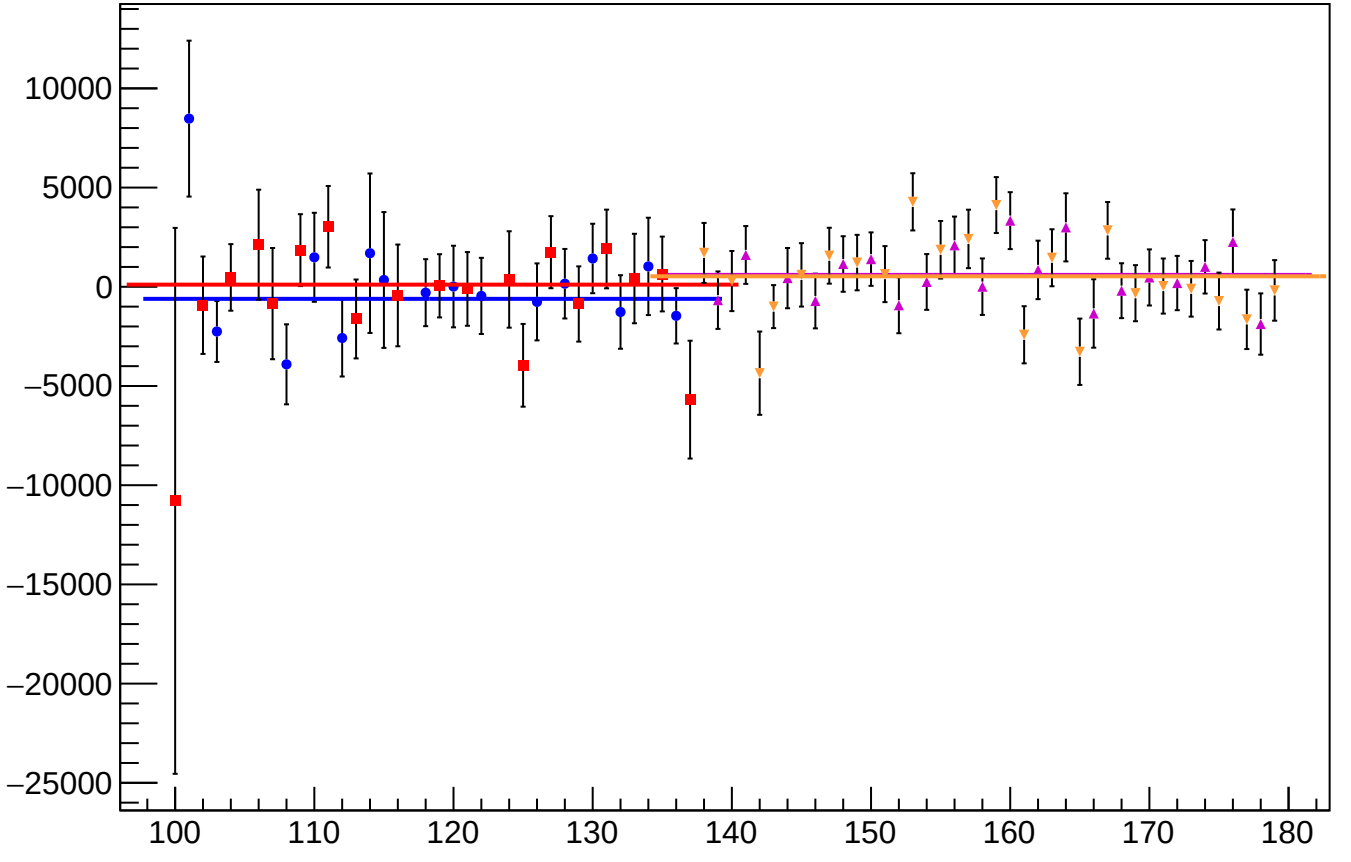
Left In: 4169.144+/-0.745 χ^2/NDF:1179312.1/19

+ sign 3601.387+/-0.538 χ^2/NDF: 4027201.1/37

All: 3654.056+/-0.387 χ^2/NDF: 6731761.9/76

- sign 3710.459+/-0.557 χ^2/NDF: 2684698.9/38

dit_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 528.653+/-308.820 χ^2/NDF:40.8/21

Right Out: 108.614+/-485.552 χ^2/NDF: 14.9/18

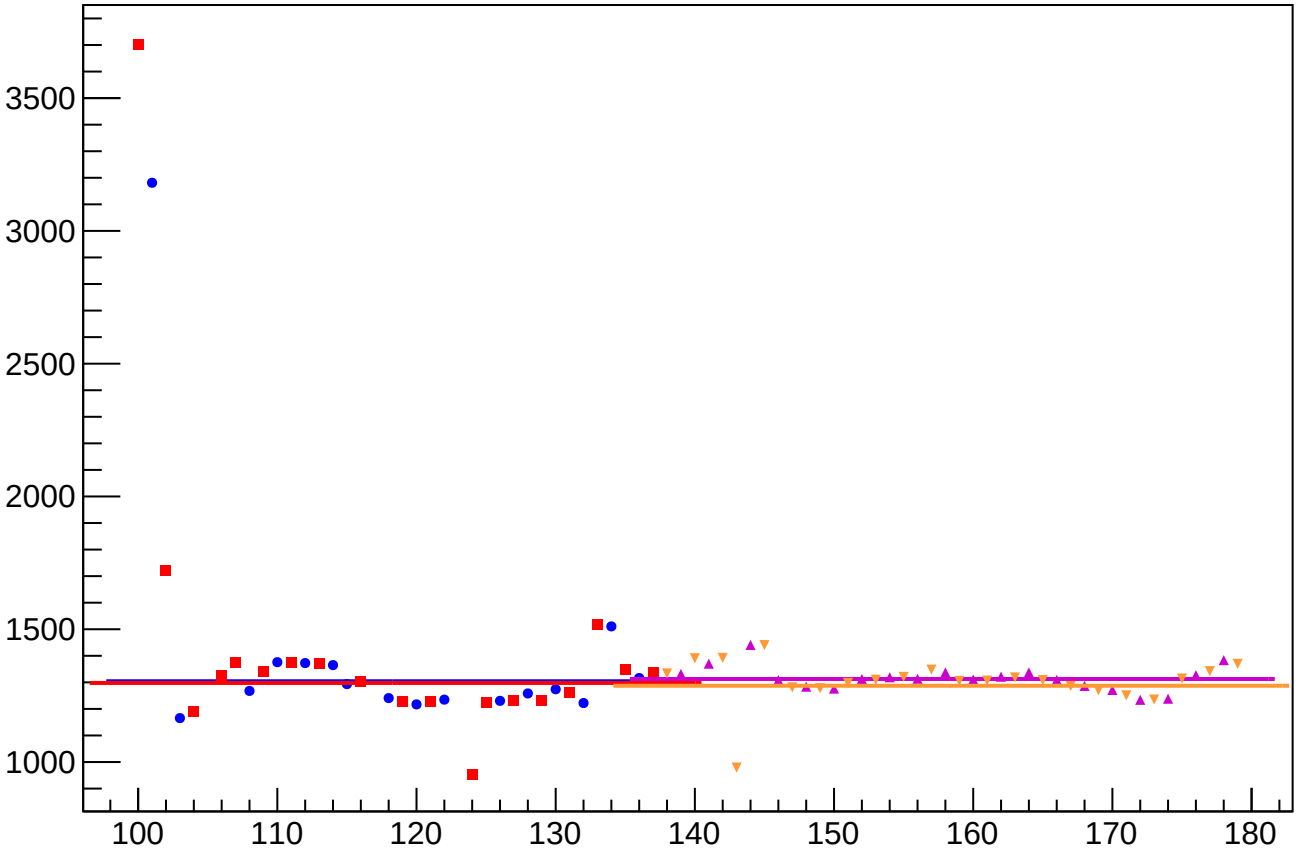
Left In: 599.425+/-324.930 χ^2/NDF:16.2/19

+ sign 209.480+/-261.889 χ^2/NDF: 58.7/37

All: 324.898+/-188.000 χ^2/NDF: 90.8/76

- sign 447.614+/-270.042 χ^2/NDF: 31.7/38

dit_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1287.223+/-0.218 χ^2/NDF:216809.4/21

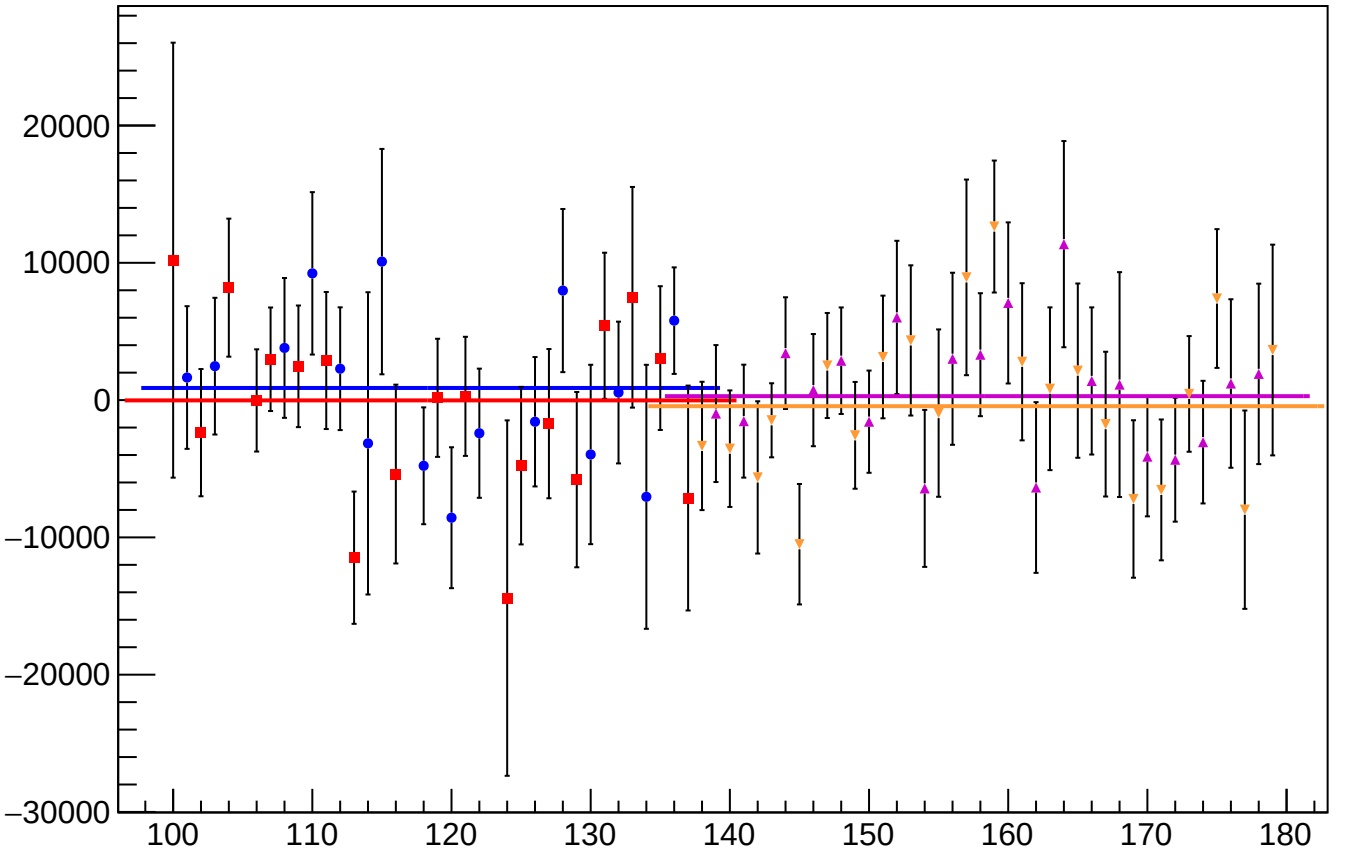
Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1312.637+/-0.230 χ^2/NDF:40645.3/19

+ sign 1291.964+/-0.185 χ^2/NDF: 729076.8/37

All: 1299.758+/-0.133 χ^2/NDF: 987765.2/76

- sign 1308.042+/-0.191 χ^2/NDF: 255034.0/38



Right In: 884.058+/-1327.399 χ^2/NDF: 14.1/15

Left Out: -443.270+/-1025.523 χ^2/NDF:25.9/21

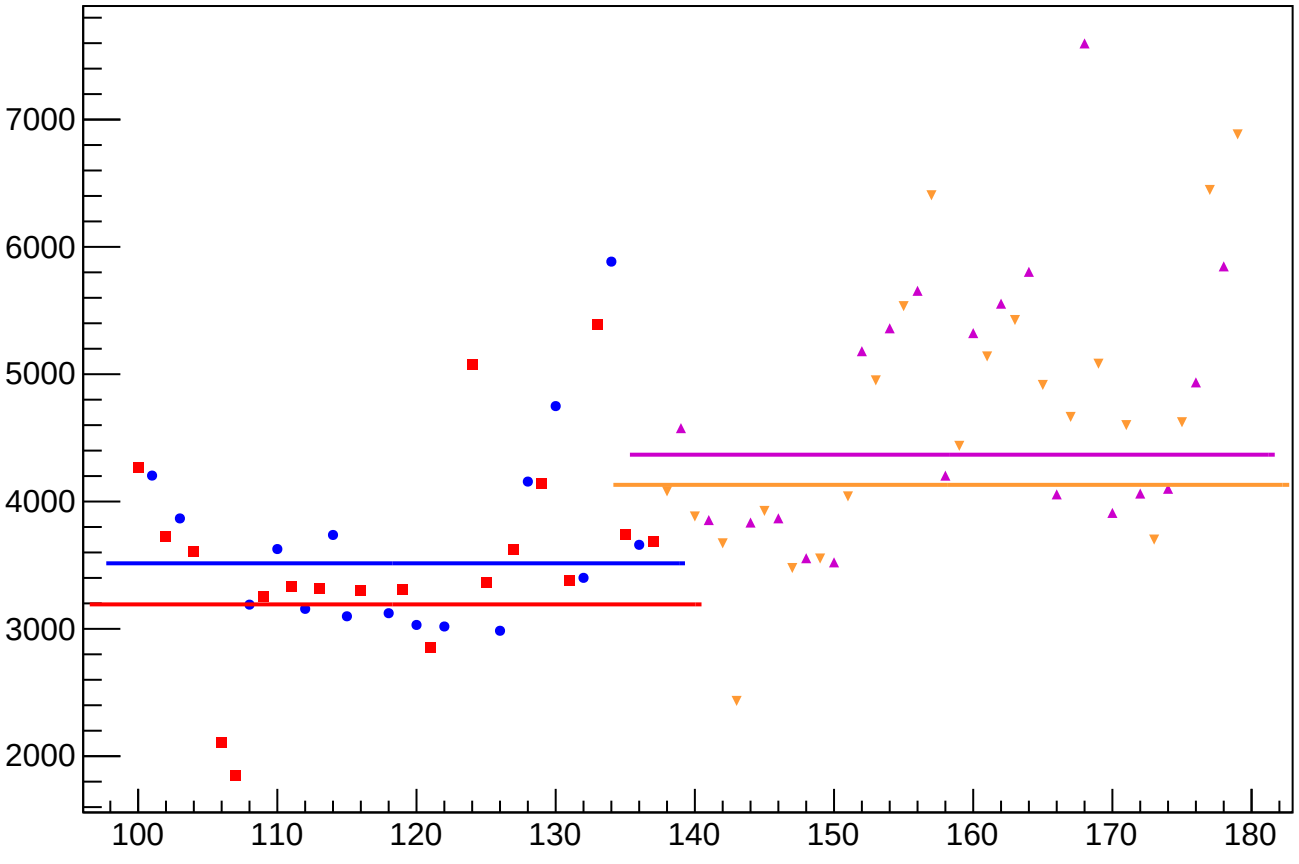
Right Out: -20.681+/-1200.015 χ^2/NDF: 16.8/18

Left In: 287.074+/-1104.132 χ^2/NDF:12.1/19

+ sign 52.858+/-811.538 χ^2/NDF: 40.6/37

All: 99.363+/-574.193 χ^2/NDF: 69.6/76

- sign 145.981+/-812.525 χ^2/NDF: 28.9/38



Right In: 3514.746+/-0.939 χ^2/NDF: 375078.6/15

Left Out: 4131.052+/-0.725 χ^2/NDF:2065853.5/21

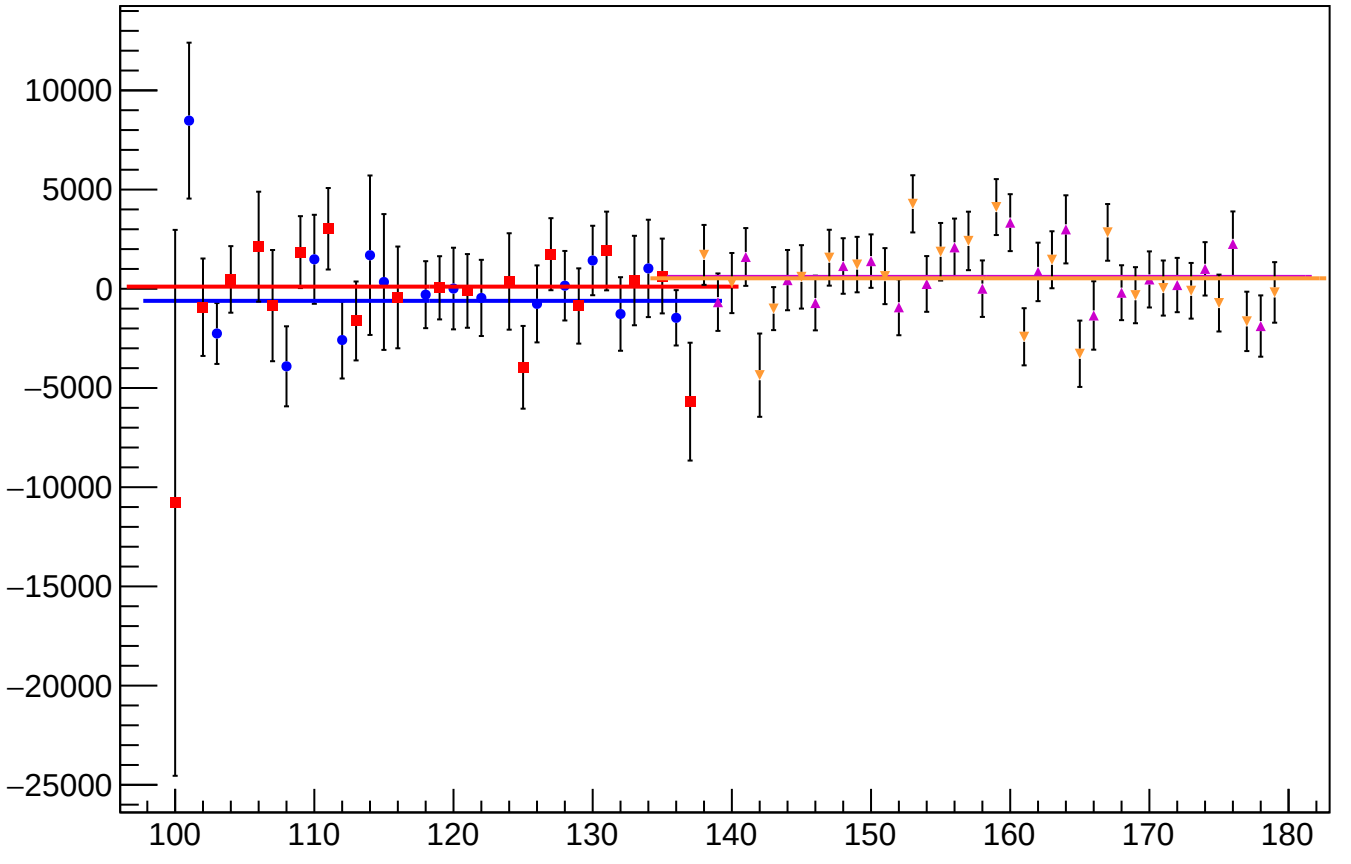
Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 4367.880+/-0.781 χ^2/NDF:1153249.4/19

+ sign 3900.689+/-0.574 χ^2/NDF: 2710921.9/37

All: 3864.828+/-0.406 χ^2/NDF: 5684080.6/76

- sign 3828.880+/-0.575 χ^2/NDF: 2965338.6/38



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 528.656+/-308.821 χ^2/NDF:40.8/21

Right Out: 108.619+/-485.553 χ^2/NDF: 14.9/18

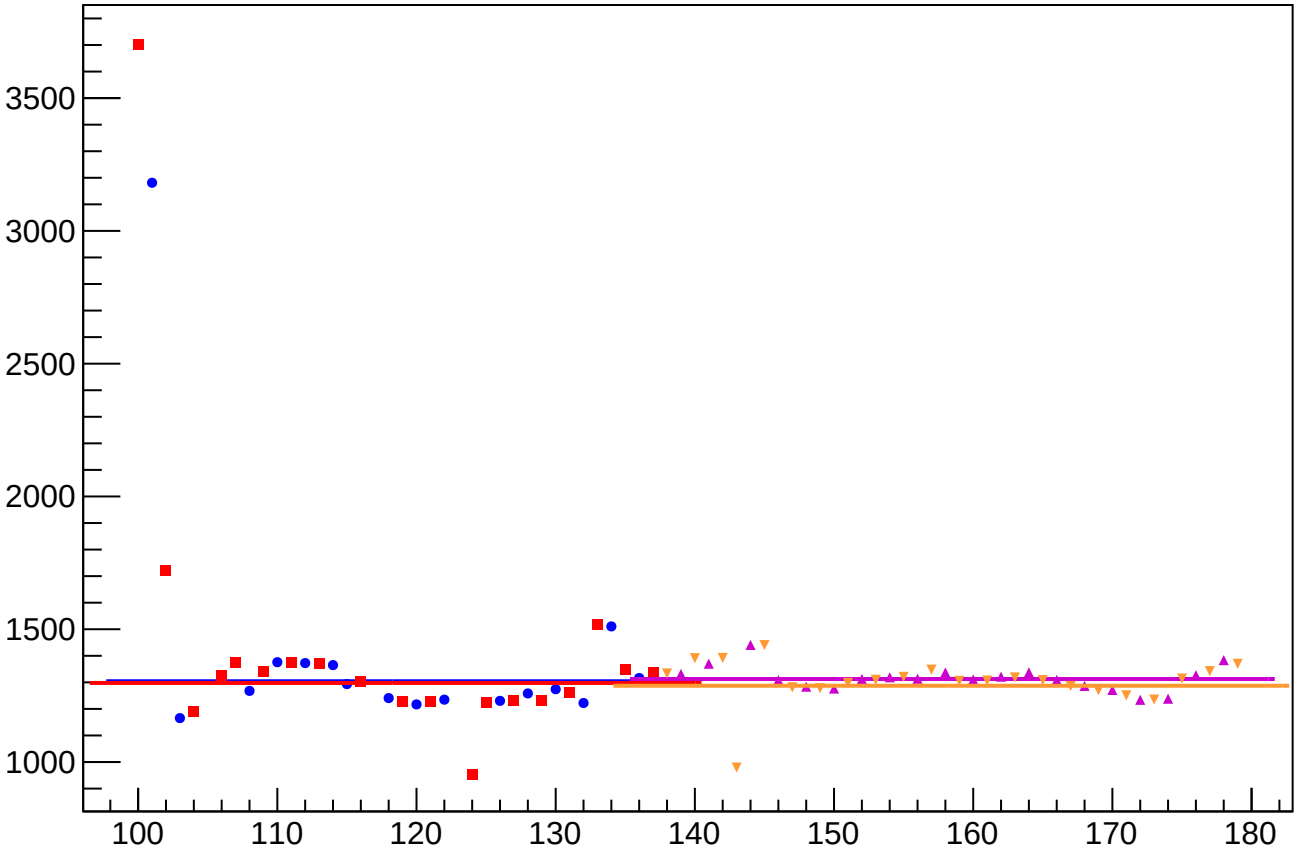
Left In: 599.428+/-324.930 χ^2/NDF:16.2/19

\+ sign 209.481+/-261.890 χ^2/NDF: 58.7/37

All: 324.900+/-188.000 χ^2/NDF: 90.8/76

\- sign 447.616+/-270.042 χ^2/NDF: 31.7/38

eigen_dit_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.6/15

Left Out: 1287.224+/-0.218 χ^2/NDF:216812.0/21

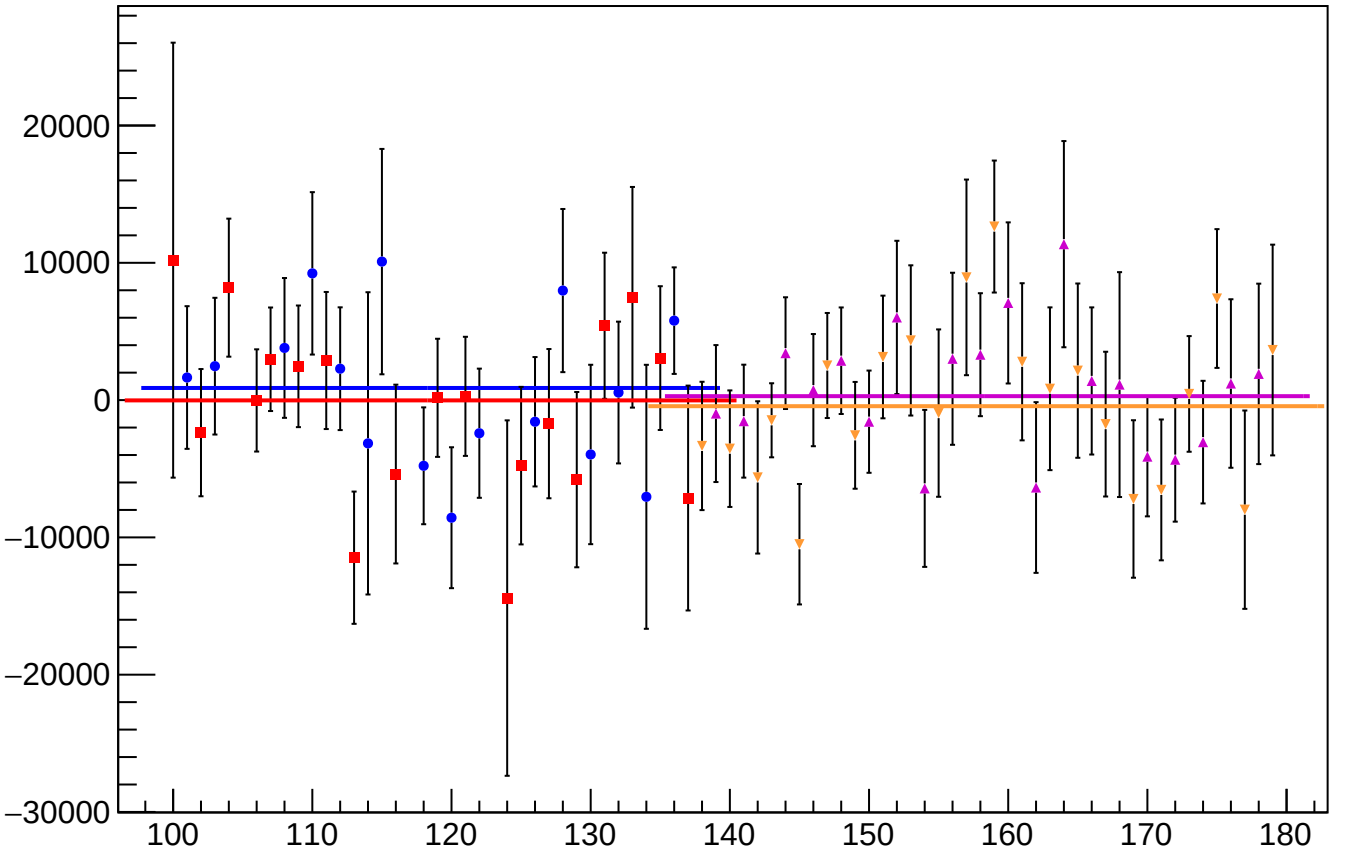
Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1312.638+/-0.230 χ^2/NDF:40647.2/19

+ sign 1291.964+/-0.185 χ^2/NDF: 729079.3/37

All: 1299.759+/-0.133 χ^2/NDF: 987769.9/76

- sign 1308.042+/-0.191 χ^2/NDF: 255036.2/38



Right In: 884.047+/-1327.396 χ^2/NDF: 14.1/15

Left Out: -443.268+/-1025.525 χ^2/NDF:25.9/21

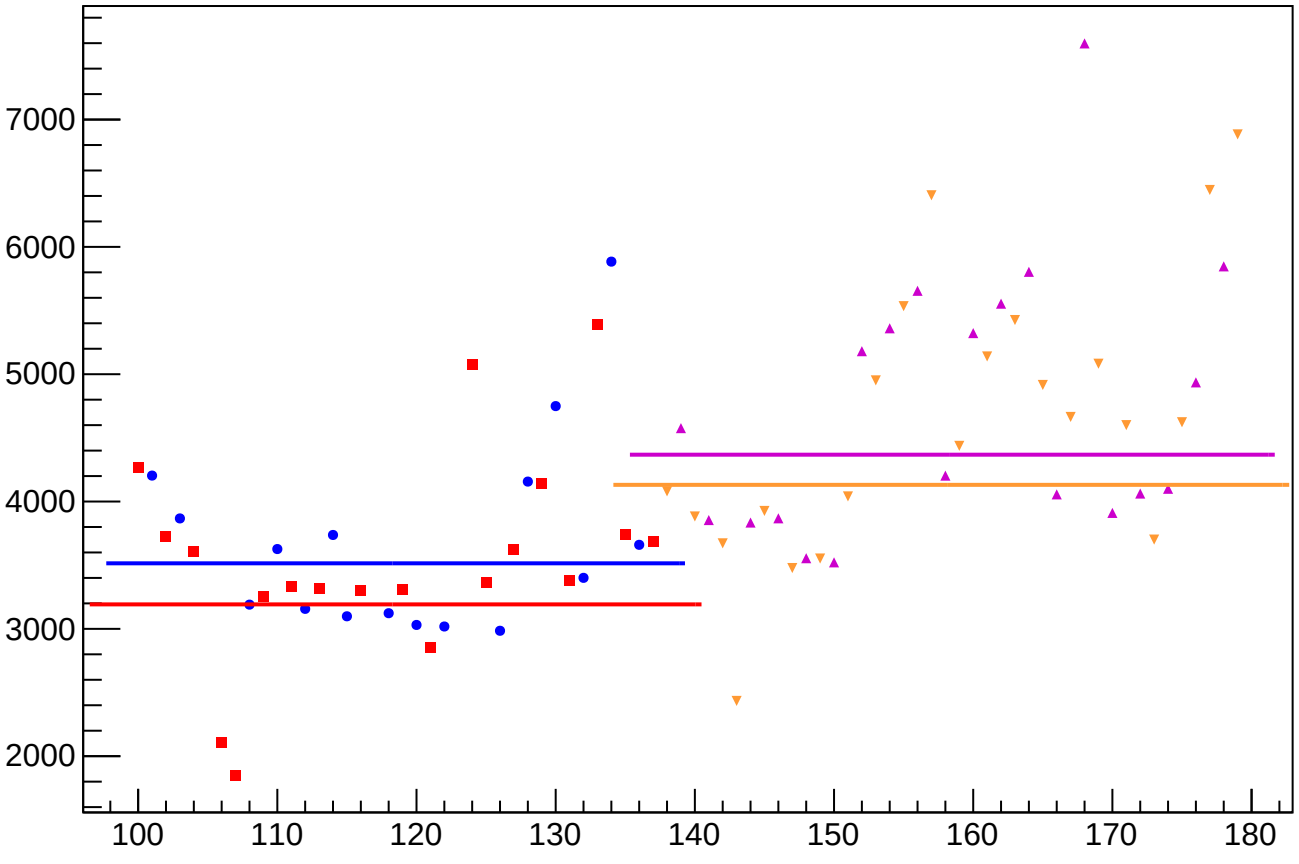
Right Out: -20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: 287.074+/-1104.134 χ^2/NDF:12.1/19

\+ sign 52.858+/-811.539 χ^2/NDF: 40.6/37

All: 99.363+/-574.193 χ^2/NDF: 69.6/76

\- sign 145.982+/-812.525 χ^2/NDF: 28.9/38



Right In: 3514.737+/-0.939 χ^2/NDF: 375082.8/15

Left Out: 4131.058+/-0.725 χ^2/NDF:2065856.5/21

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

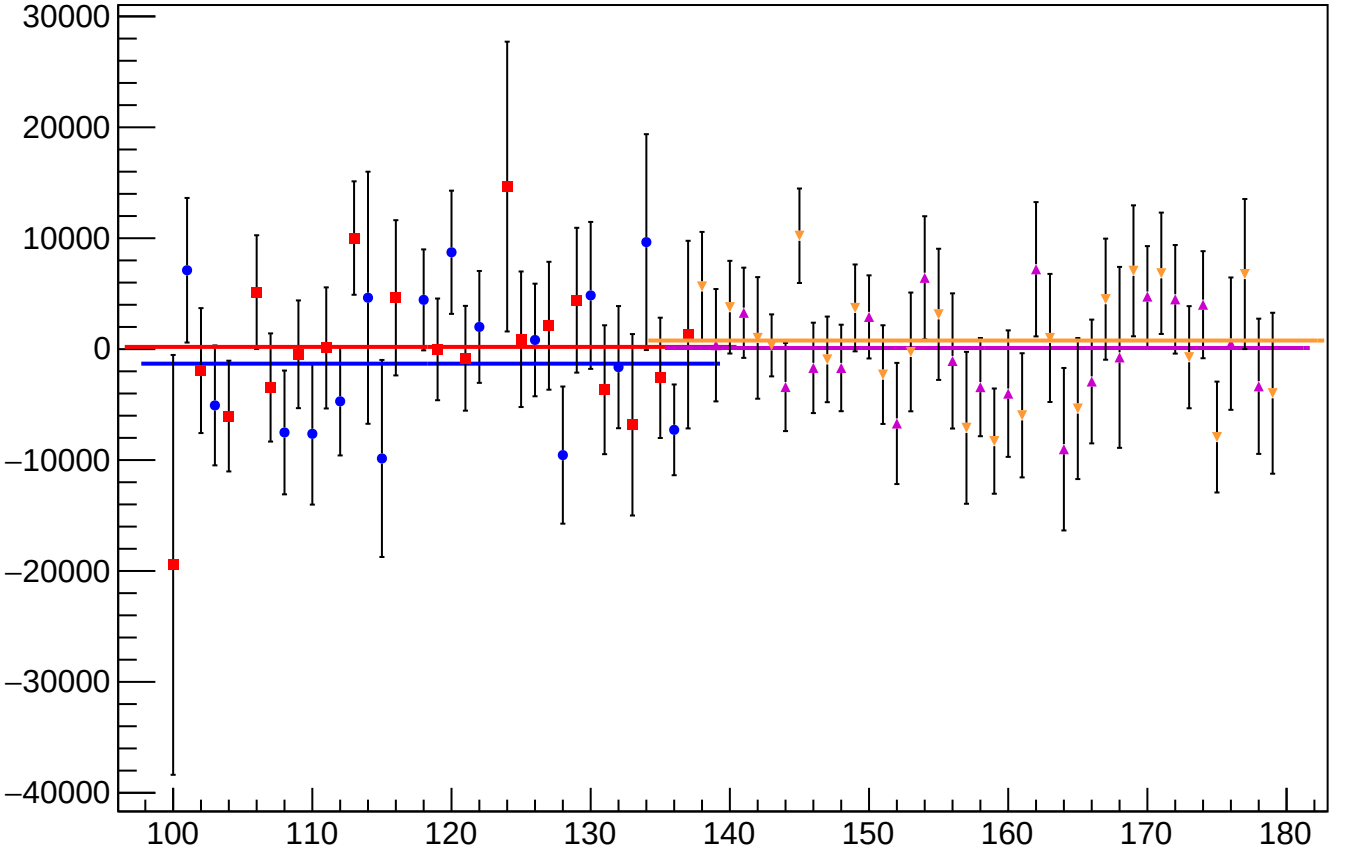
Left In: 4367.886+/-0.781 χ^2/NDF:1153252.5/19

+ sign 3900.689+/-0.574 χ^2/NDF: 2710943.4/37

All: 3864.827+/-0.406 χ^2/NDF: 5684134.5/76

- sign 3828.878+/-0.575 χ^2/NDF: 2965370.6/38

asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 776.117+/-1032.808 χ^2/NDF:22.4/21

Right Out: 201.593+/-1336.062 χ^2/NDF: 11.6/18

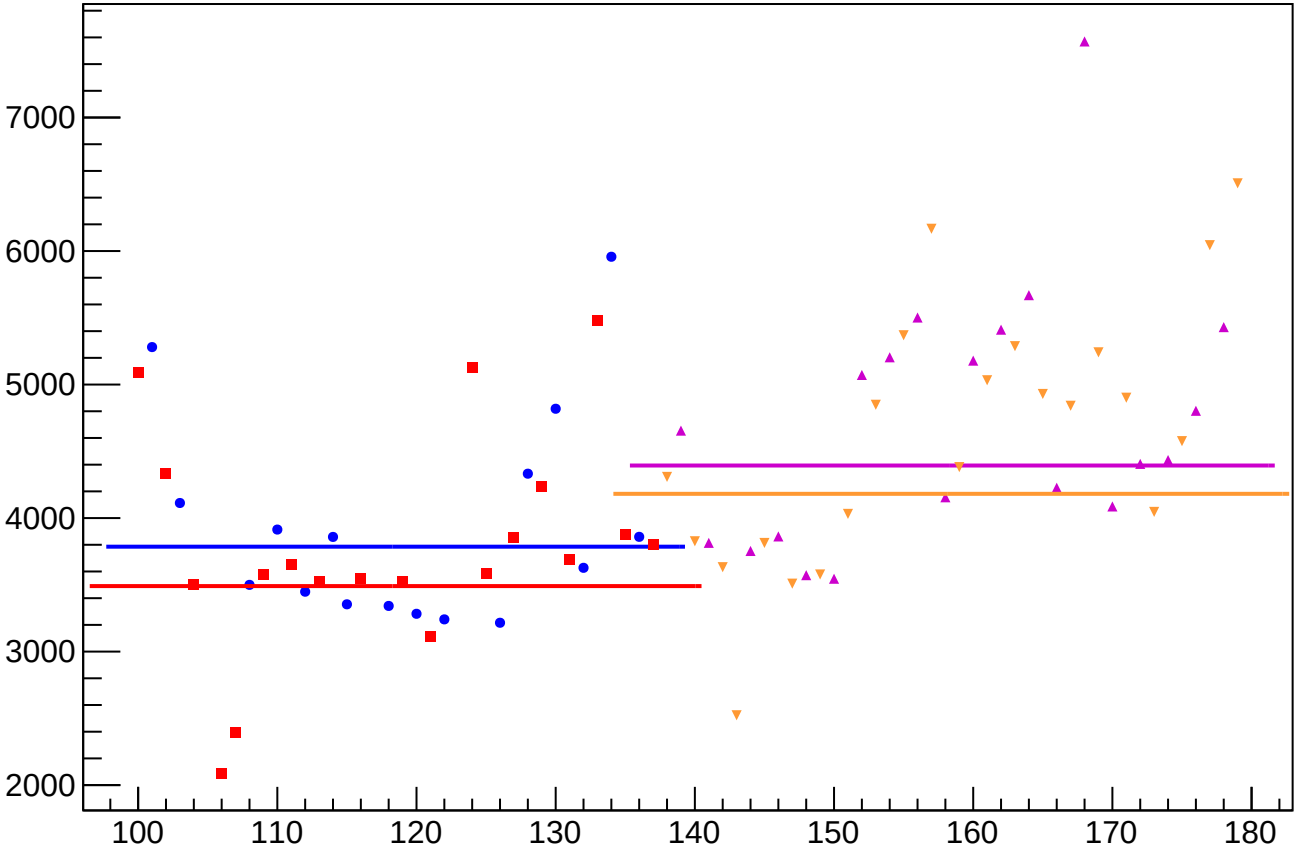
Left In: 102.716+/-1107.223 χ^2/NDF:12.5/19

\+ sign 62.260+/-837.593 χ^2/NDF: 41.4/37

All: 101.904+/-597.476 χ^2/NDF: 65.5/76

\- sign 142.974+/-852.523 χ^2/NDF: 24.1/38

asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 4181.612+/-0.730 χ^2/NDF:1795572.8/21

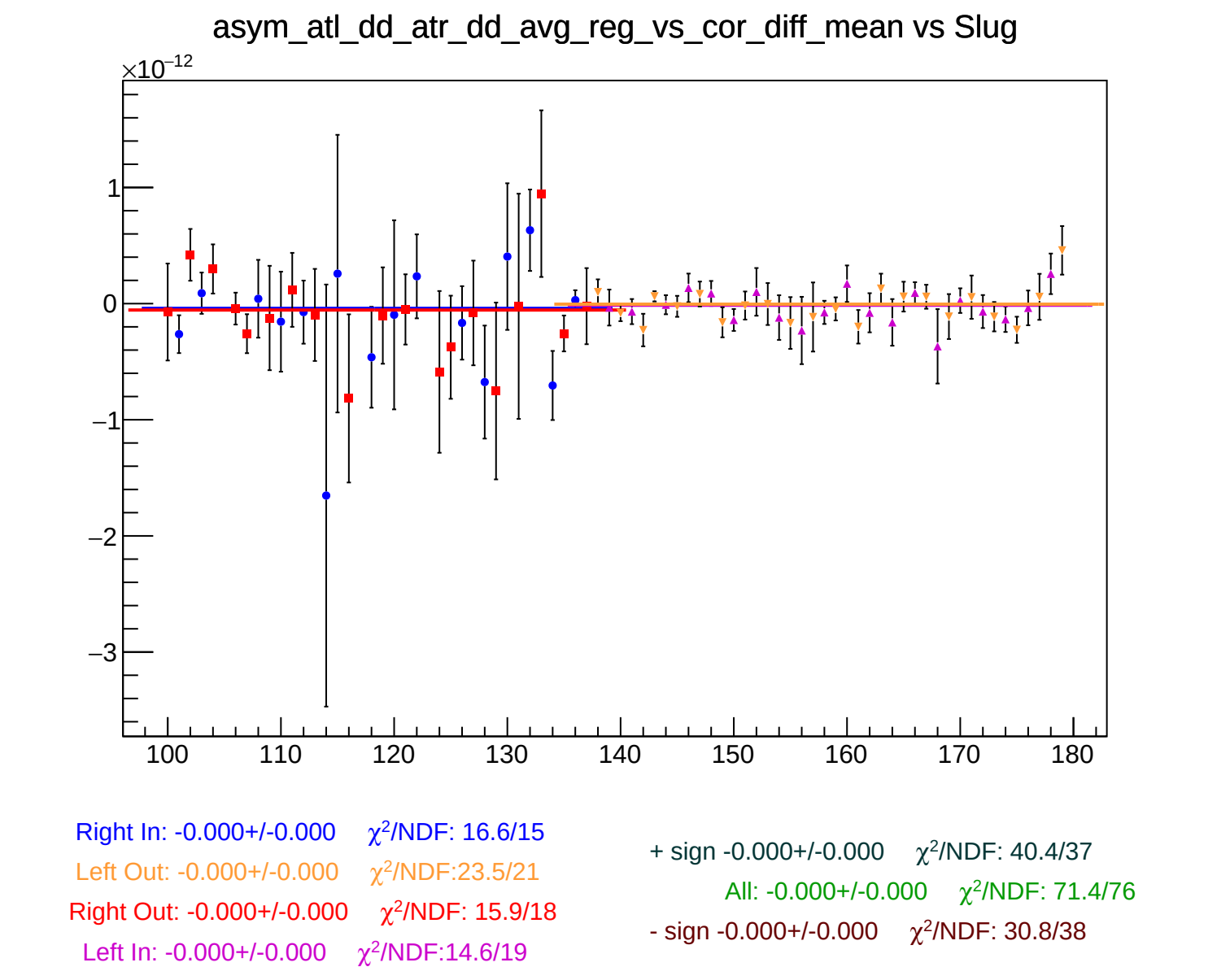
Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

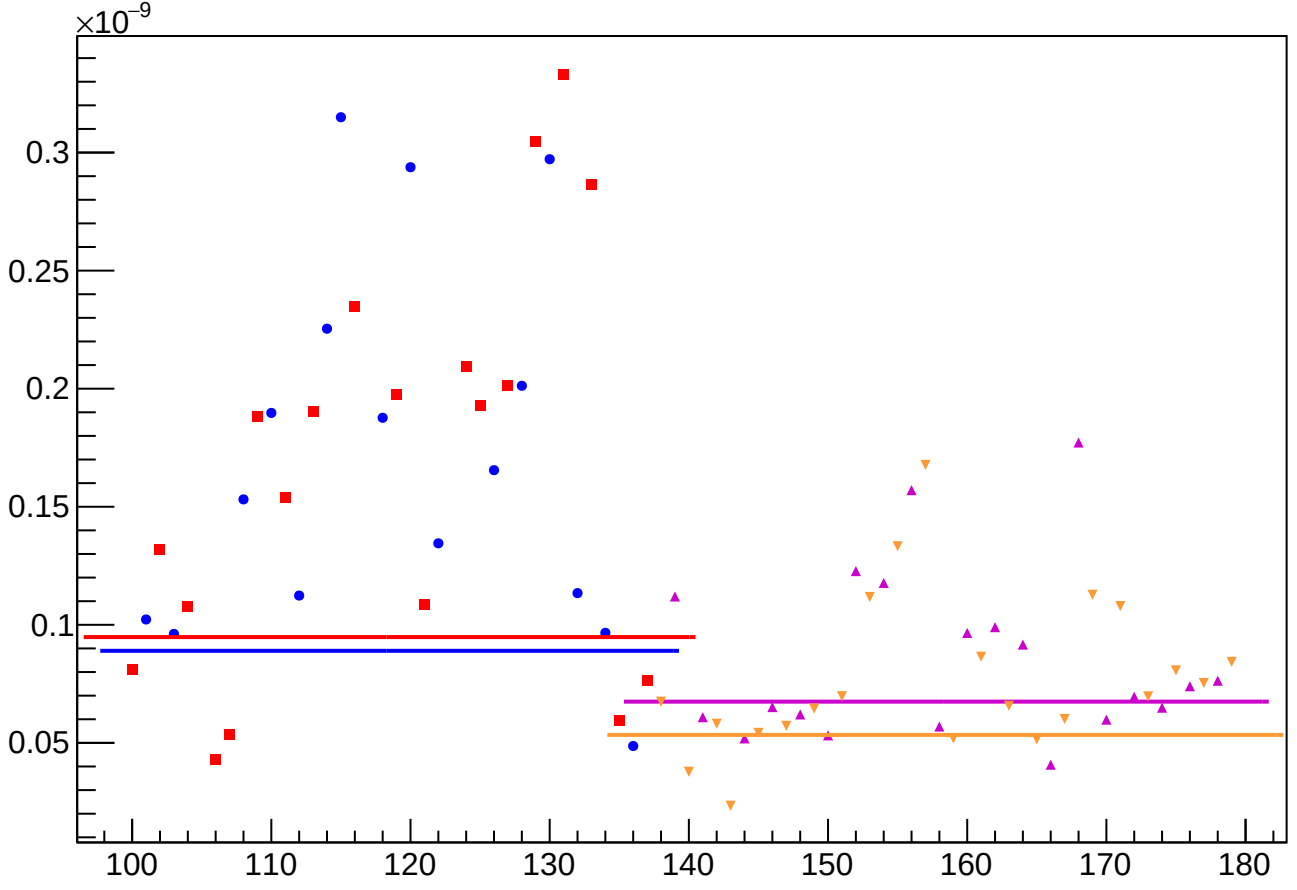
Left In: 4393.657+/-0.783 χ^2/NDF:1004815.9/19

\+ sign 4046.115+/-0.592 χ^2/NDF: 2279129.2/37

All: 4033.205+/-0.421 χ^2/NDF: 4422131.6/76

\- sign 4019.981+/-0.599 χ^2/NDF: 2142040.7/38


asym_atl_dd_atr_dd_avg_reg_vs_cor_diff_mean vs Slug
×10^−12
1
0
−1
−2
−3
100
110
120
130
140
150
160
170
180
Right In: -0.000+/-0.000 χ²/NDF: 16.6/15
Left Out: -0.000+/-0.000 χ²/NDF:23.5/21
Right Out: -0.000+/-0.000 χ²/NDF: 15.9/18
Left In: -0.000+/-0.000 χ²/NDF:14.6/19
+ sign -0.000+/-0.000 χ²/NDF: 40.4/37
All: -0.000+/-0.000 χ²/NDF: 71.4/76
- sign -0.000+/-0.000 χ²/NDF: 30.8/38



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:2592157.7/21

Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

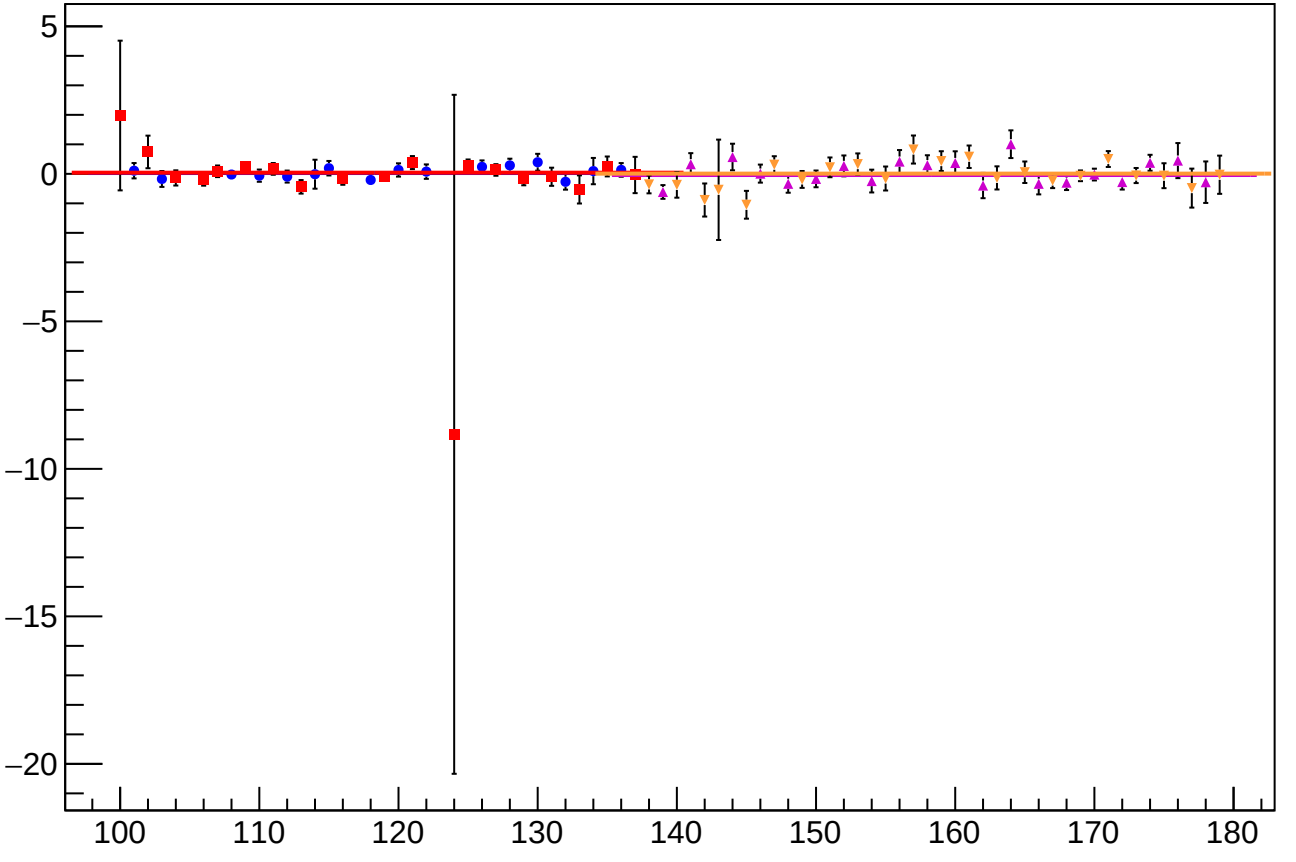
Left In: 0.000+/-0.000 χ^2/NDF:1385441.0/19

+ sign 0.000+/-0.000 χ^2/NDF: 4684290.4/37

All: 0.000+/-0.000 χ^2/NDF: 8445239.7/76

- sign 0.000+/-0.000 χ^2/NDF: 3424991.4/38

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.007+/-0.072 χ^2/NDF:24.8/21

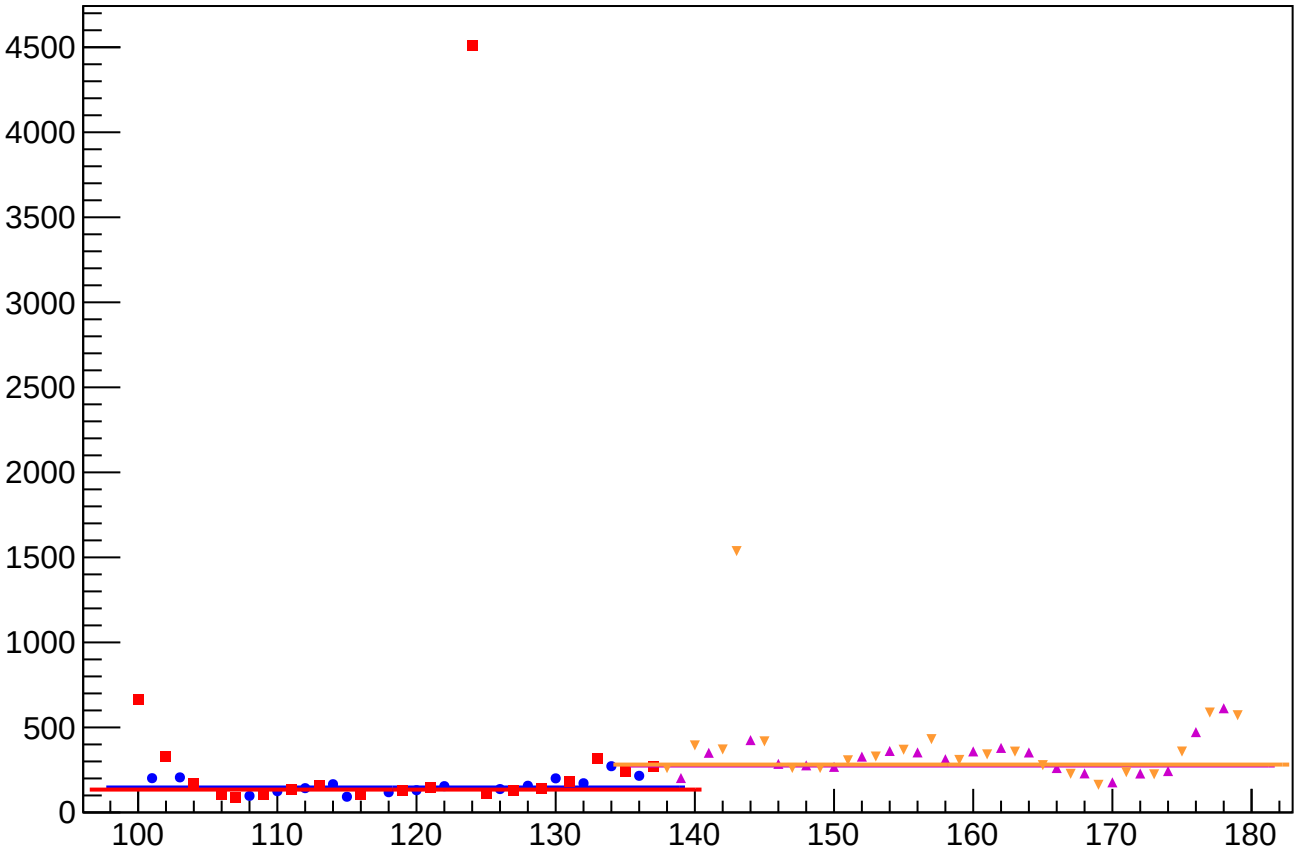
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.040+/-0.072 χ^2/NDF:26.0/19

+ sign 0.020+/-0.045 χ^2/NDF: 34.3/37

All: 0.015+/-0.031 χ^2/NDF: 81.1/76

- sign 0.010+/-0.044 χ^2/NDF: 46.7/38



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 281.543+/-0.051 χ^2/NDF:3942972.6/21

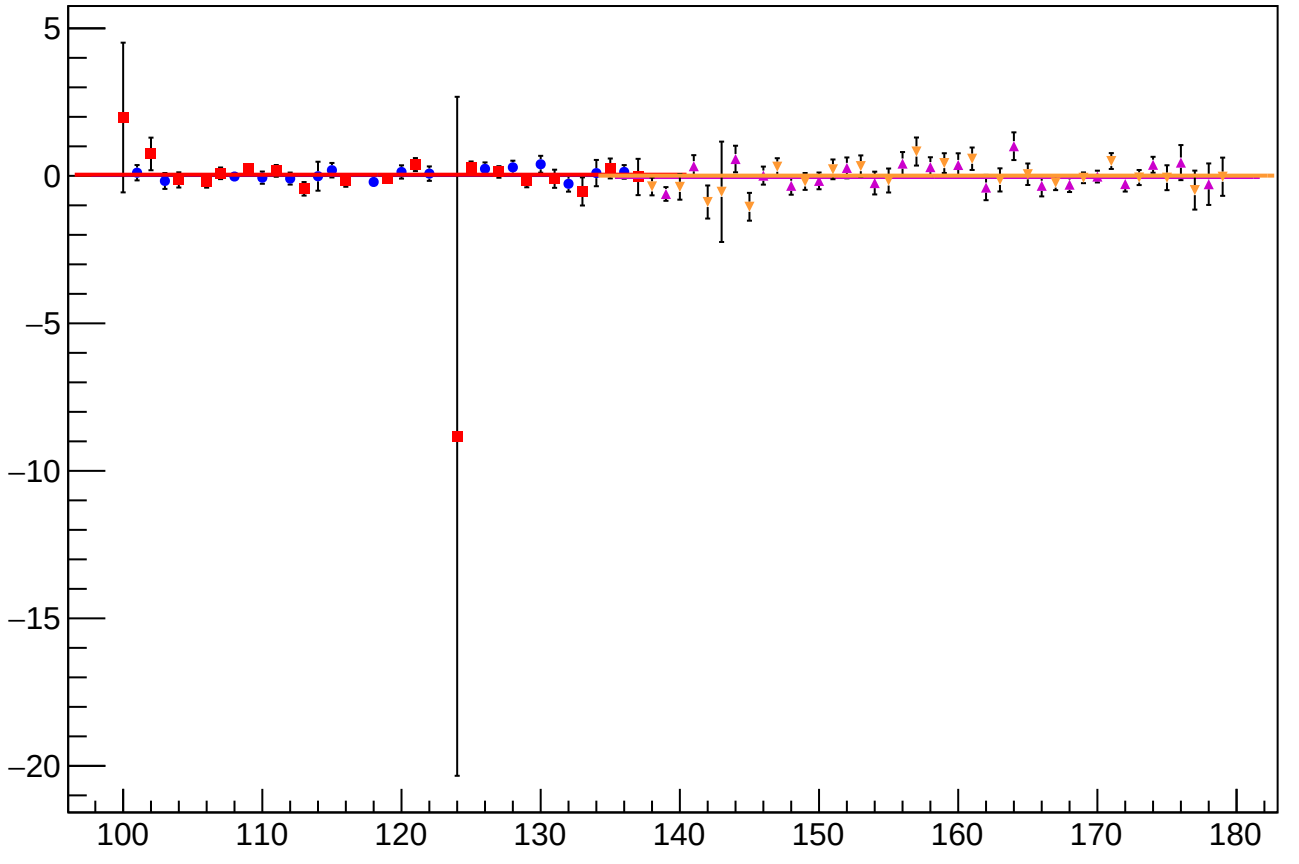
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 275.800+/-0.051 χ^2/NDF:2341639.7/19

+ sign 199.072+/-0.032 χ^2/NDF: 9169200.3/37

All: 192.529+/-0.022 χ^2/NDF: 18088957.6/76

- sign 186.436+/-0.031 χ^2/NDF: 8838626.9/38



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.007+/-0.072 χ^2/NDF:24.8/21

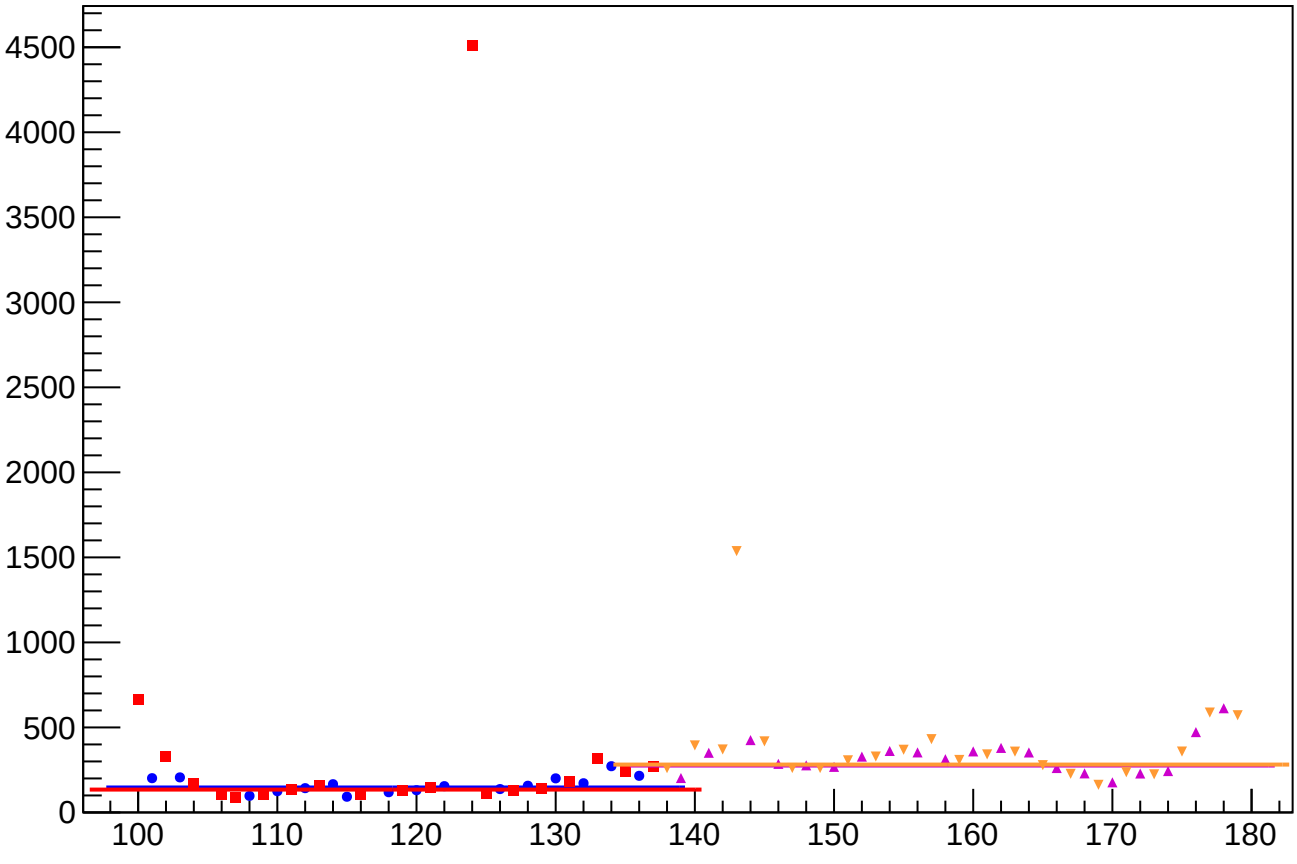
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.040+/-0.072 χ^2/NDF:26.0/19

+ sign 0.020+/-0.045 χ^2/NDF: 34.3/37

All: 0.015+/-0.031 χ^2/NDF: 81.1/76

- sign 0.010+/-0.044 χ^2/NDF: 46.7/38



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 281.543+/-0.051 χ^2/NDF:3942972.6/21

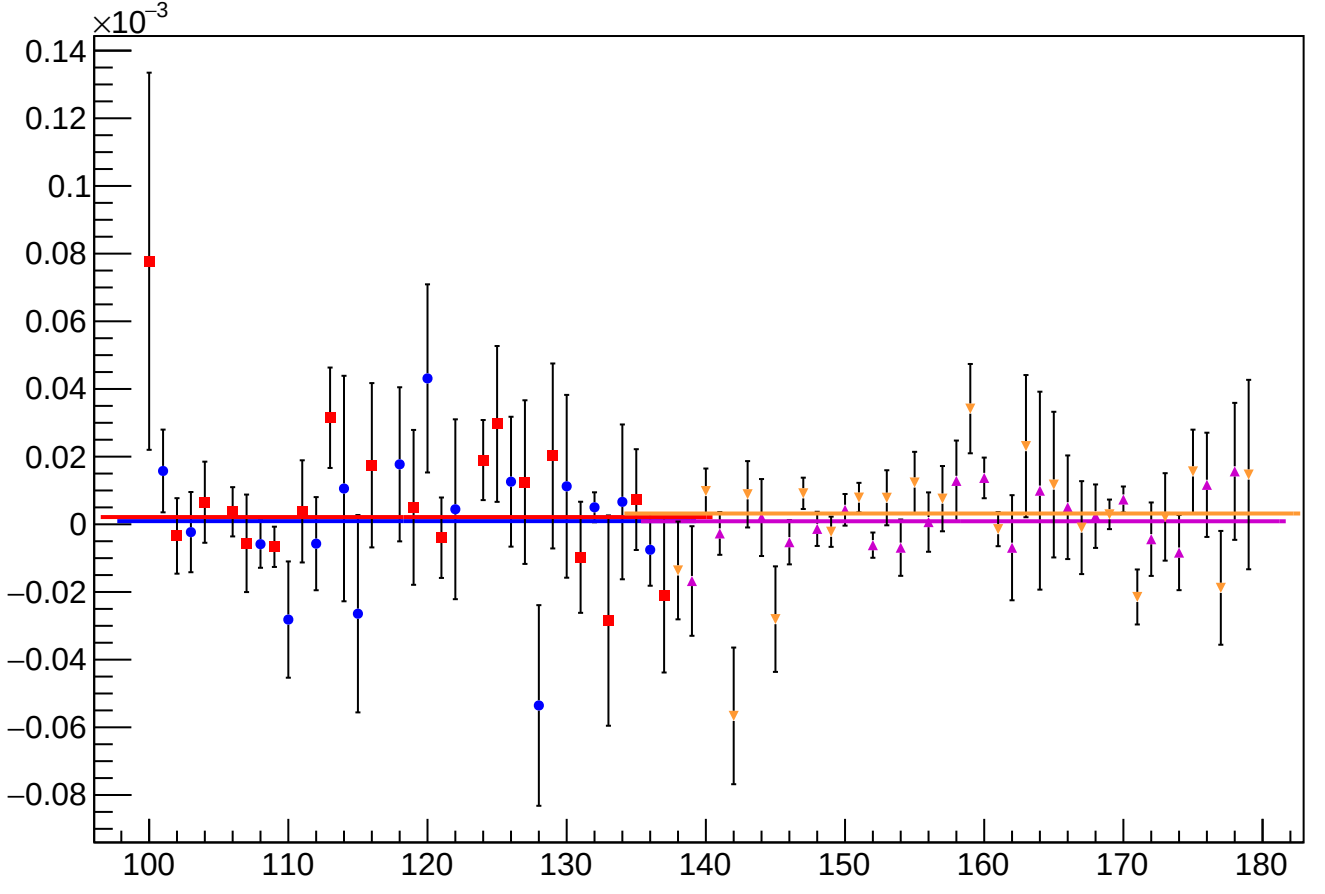
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 275.800+/-0.051 χ^2/NDF:2341639.7/19

+ sign 199.072+/-0.032 χ^2/NDF: 9169200.3/37

All: 192.529+/-0.022 χ^2/NDF: 18088957.6/76

- sign 186.436+/-0.031 χ^2/NDF: 8838626.9/38



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:40.9/21

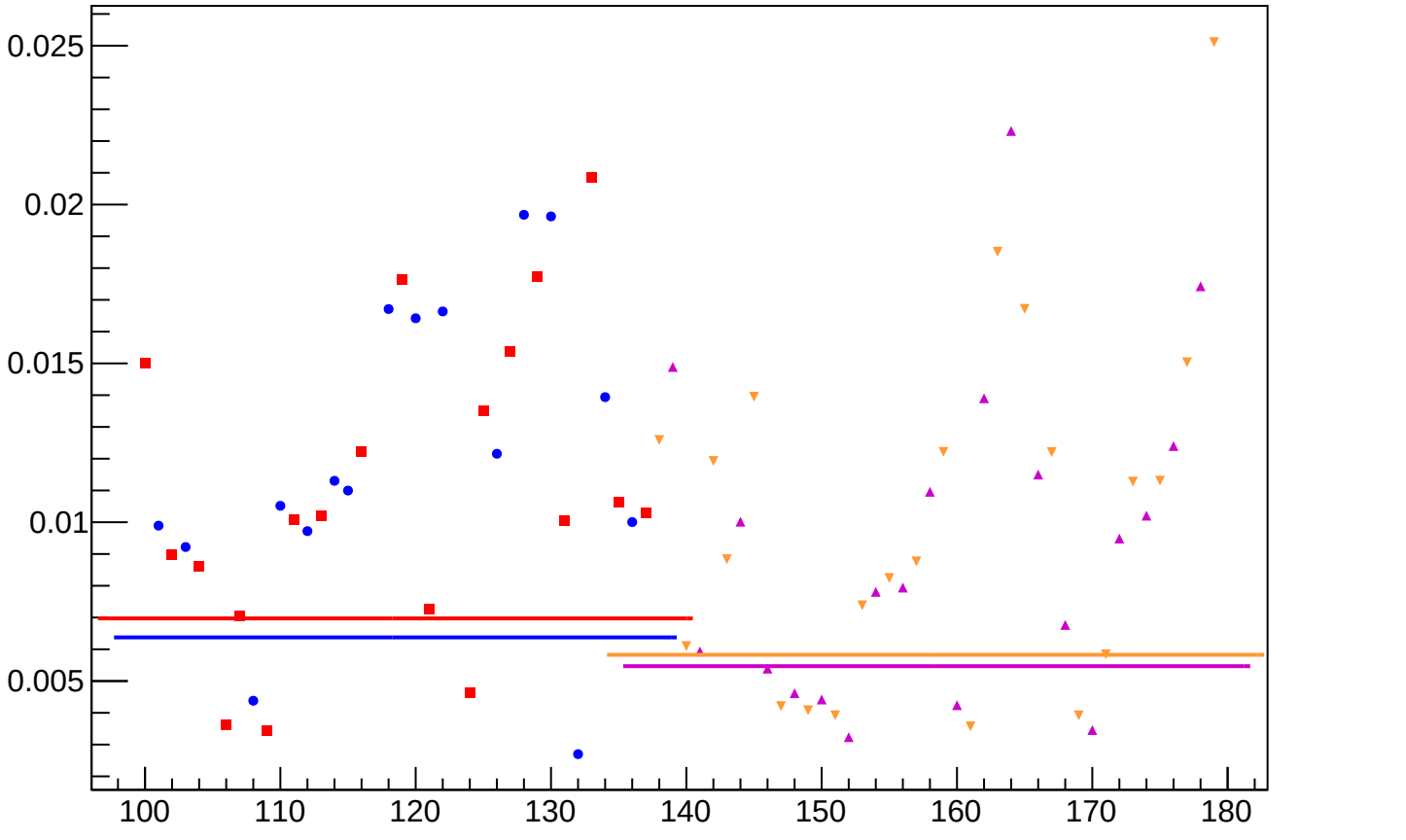
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: 0.000+/-0.000 χ^2/NDF:18.3/19

\+ sign 0.000+/-0.000 χ^2/NDF: 56.2/37

All: 0.000+/-0.000 χ^2/NDF: 91.3/76

\- sign 0.000+/-0.000 χ^2/NDF: 34.5/38



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.006+/-0.000 χ^2/NDF:7905607.3/21

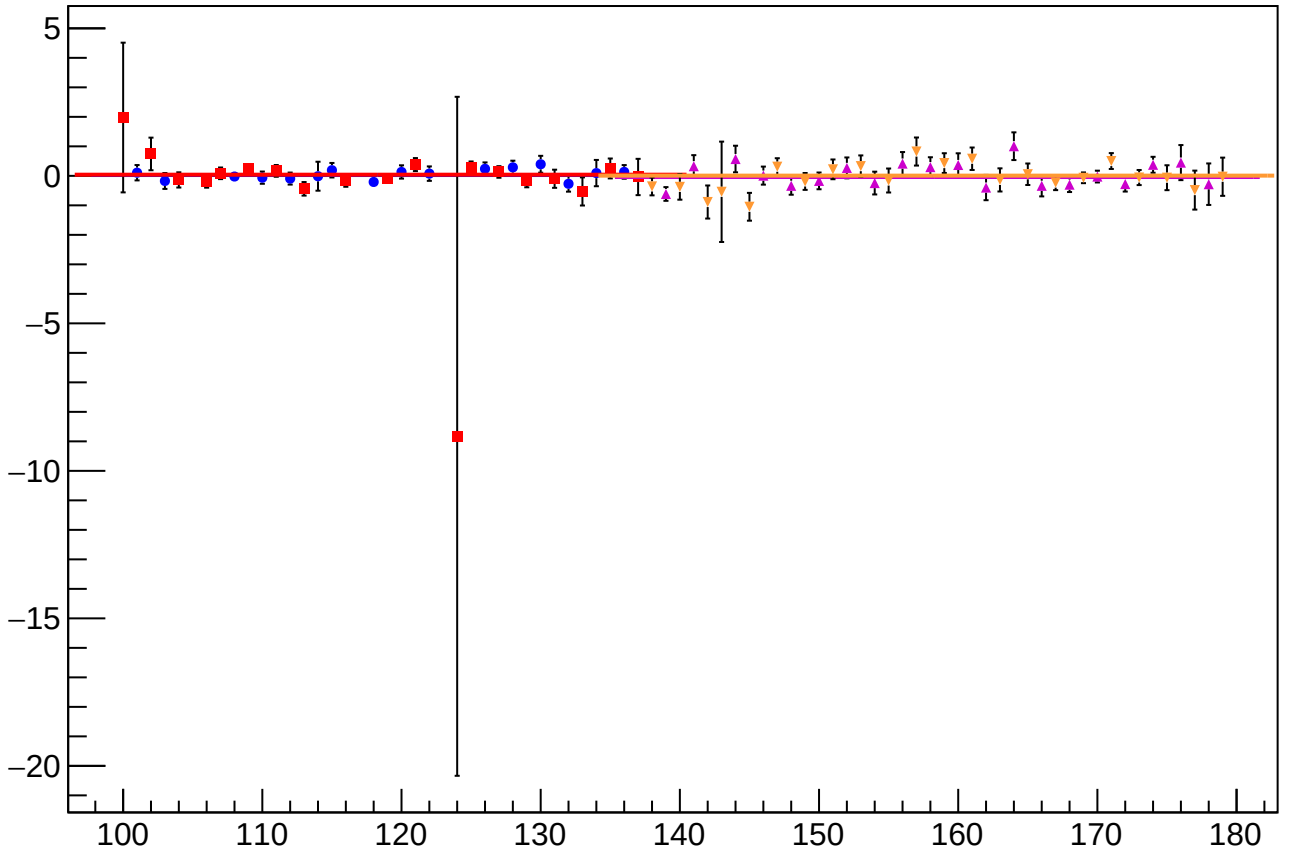
Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.005+/-0.000 χ^2/NDF:6595169.1/19

+ sign 0.006+/-0.000 χ^2/NDF: 12598679.7/37

All: 0.006+/-0.000 χ^2/NDF: 23004185.0/76

- sign 0.006+/-0.000 χ^2/NDF: 10393129.8/38



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.007+/-0.072 χ^2/NDF:24.8/21

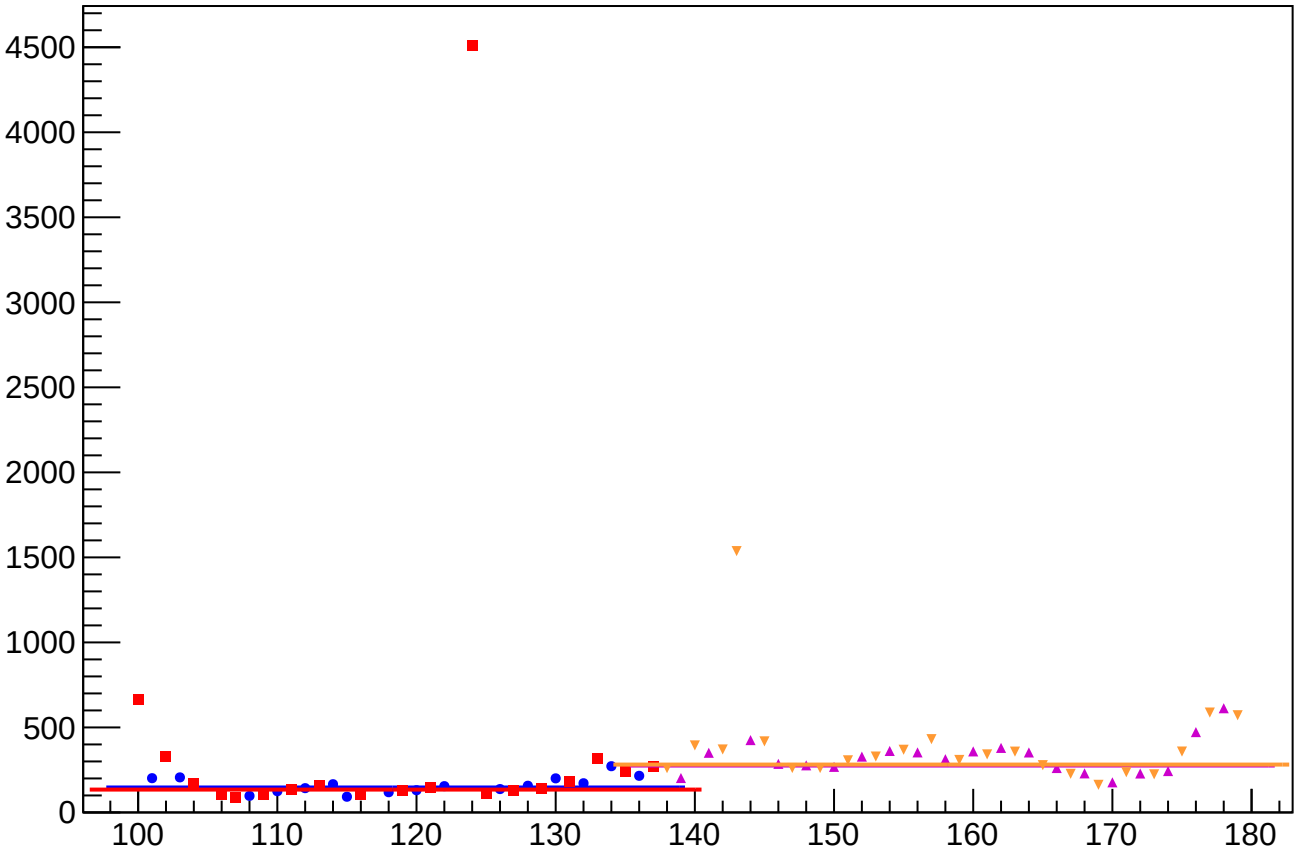
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.040+/-0.072 χ^2/NDF:26.0/19

+ sign 0.020+/-0.045 χ^2/NDF: 34.3/37

All: 0.015+/-0.031 χ^2/NDF: 81.1/76

- sign 0.010+/-0.044 χ^2/NDF: 46.7/38



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 281.543+/-0.051 χ^2/NDF:3943153.6/21

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

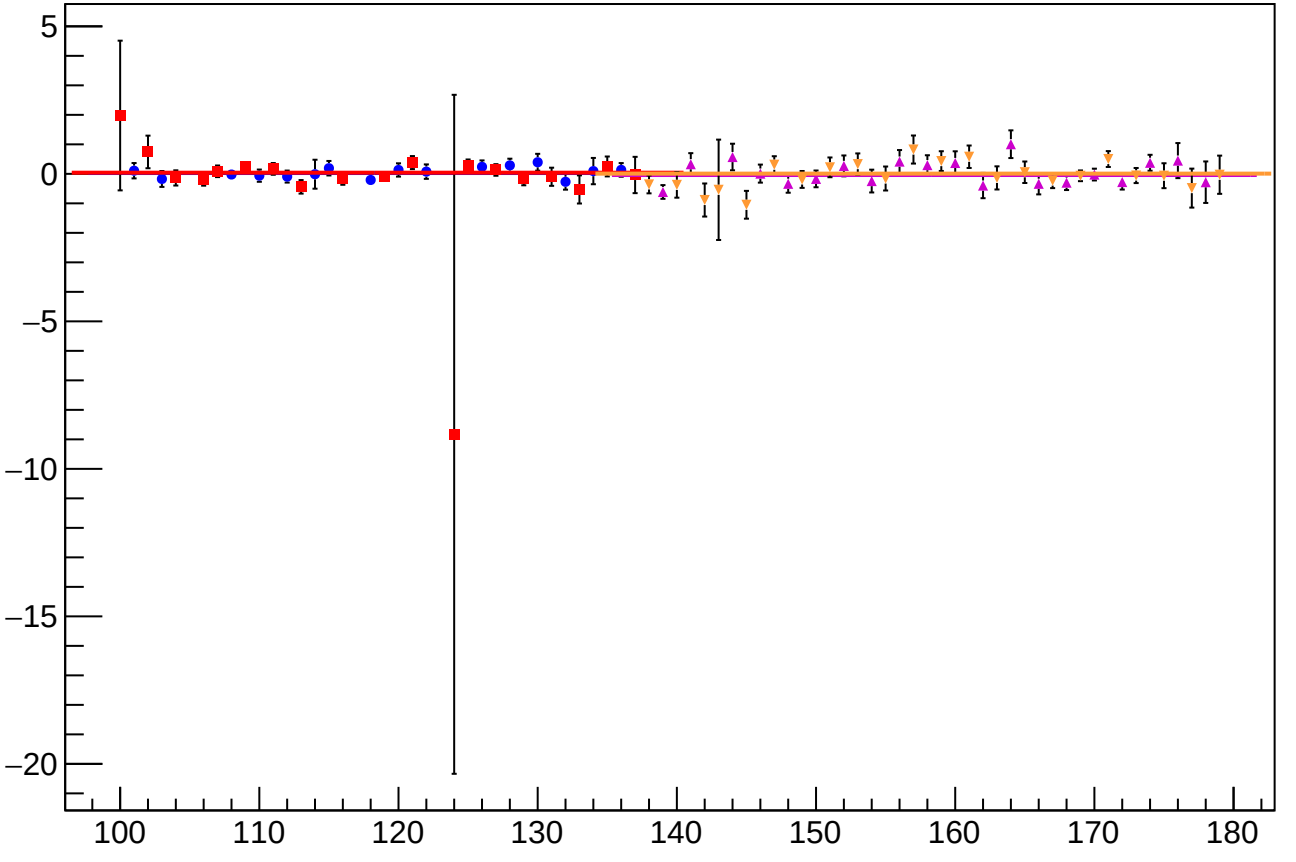
Left In: 275.802+/-0.051 χ^2/NDF:2341728.8/19

+ sign 199.072+/-0.032 χ^2/NDF: 9169320.6/37

All: 192.529+/-0.022 χ^2/NDF: 18089017.8/76

- sign 186.438+/-0.031 χ^2/NDF: 8838588.6/38

asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.007+/-0.072 χ^2/NDF:24.8/21

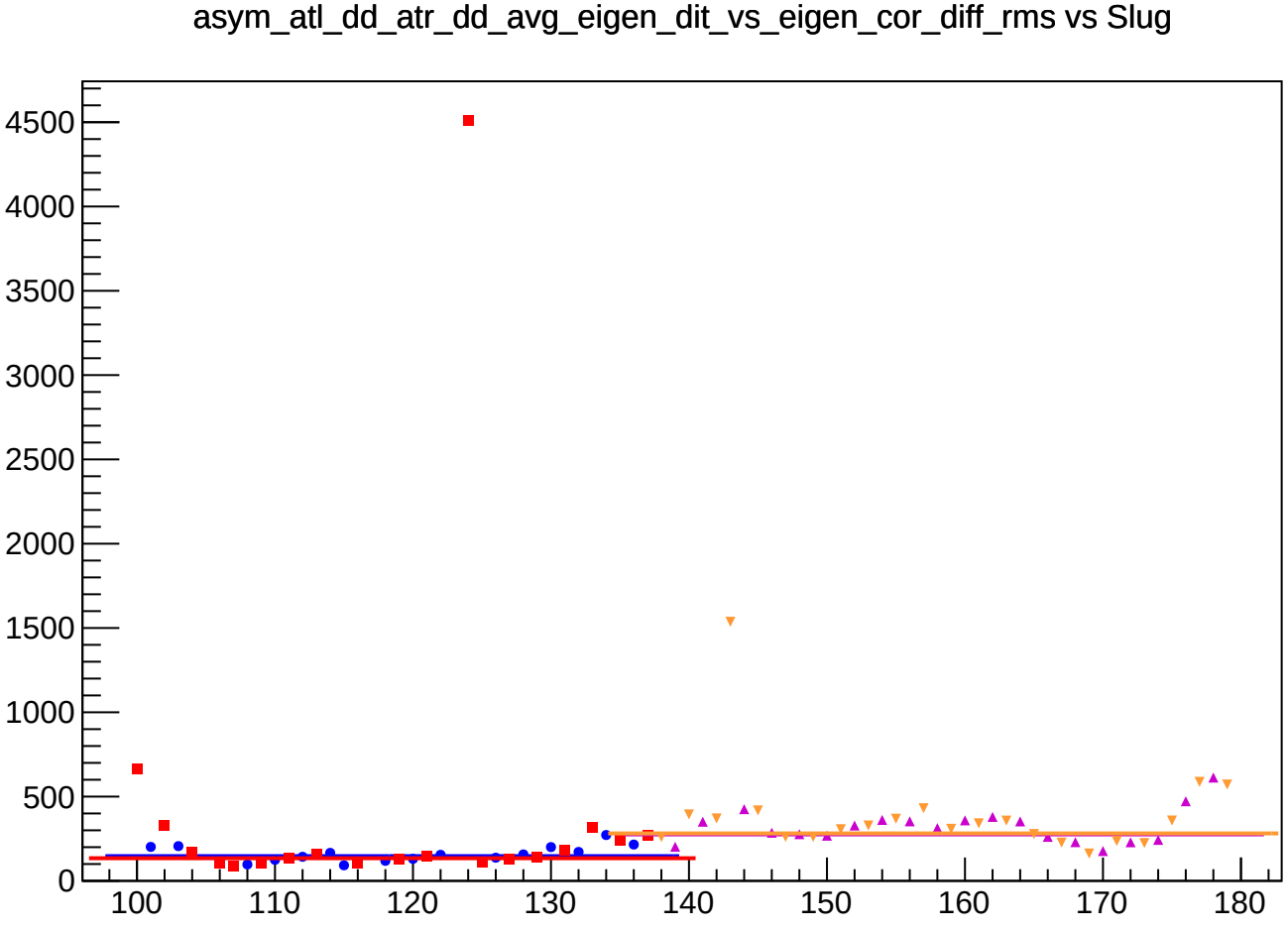
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

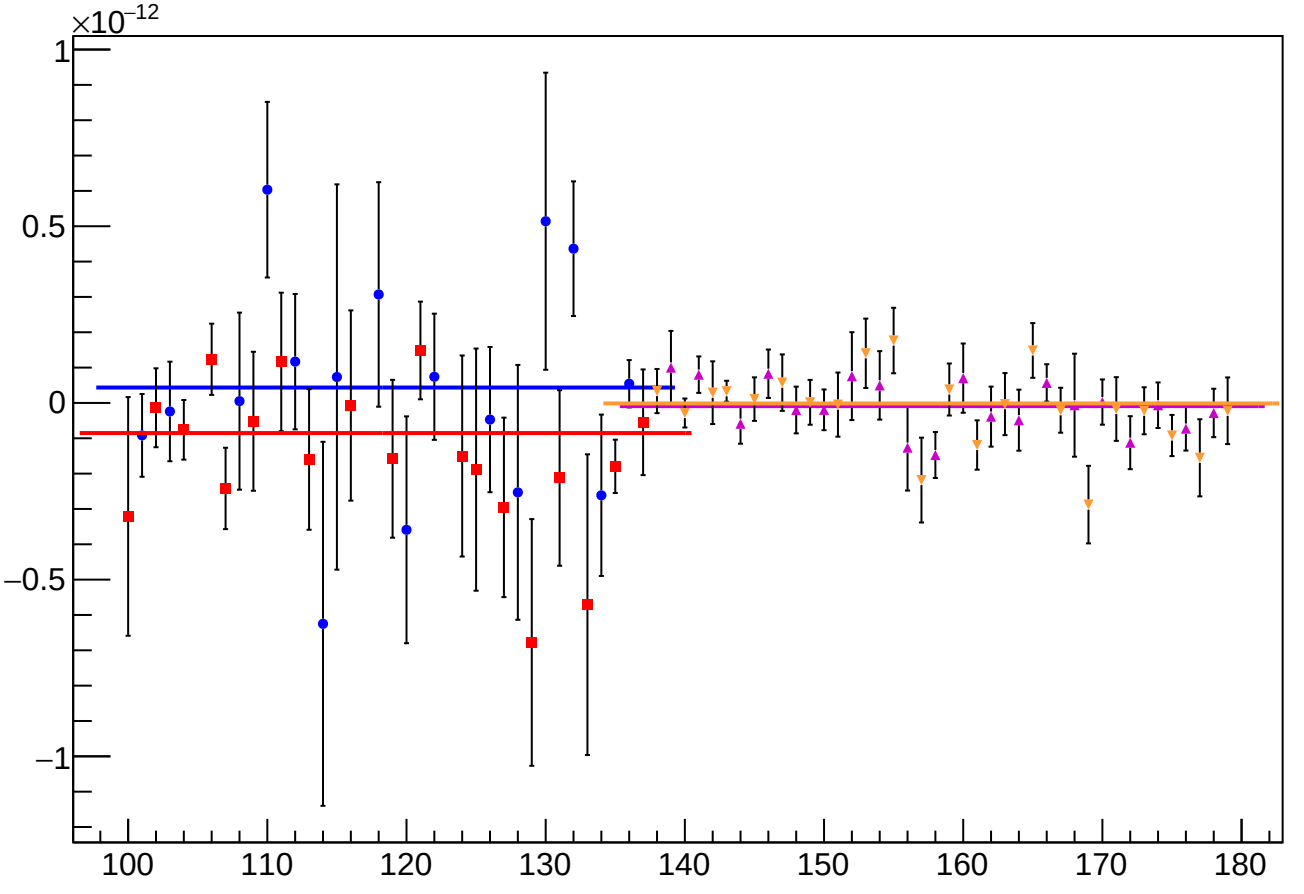
Left In: -0.040+/-0.072 χ^2/NDF:26.0/19

+ sign 0.020+/-0.045 χ^2/NDF: 34.3/37

All: 0.015+/-0.031 χ^2/NDF: 81.1/76

- sign 0.010+/-0.044 χ^2/NDF: 46.7/38


asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
4500
4000
3500
3000
2500
2000
1500
1000
500
0
100
110
120
130
140
150
160
170
180
Right In: 146.829+/-0.041 χ²/NDF: 998646.8/15
Left Out: 281.543+/-0.051 χ²/NDF:3943153.6/21
Right Out: 134.506+/-0.039 χ²/NDF: 1606310.4/18
Left In: 275.802+/-0.051 χ²/NDF:2341728.8/19
+ sign 199.072+/-0.032 χ²/NDF: 9169320.6/37
All: 192.529+/-0.022 χ²/NDF: 18089017.8/76
- sign 186.438+/-0.031 χ²/NDF: 8838588.6/38



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:30.2/21

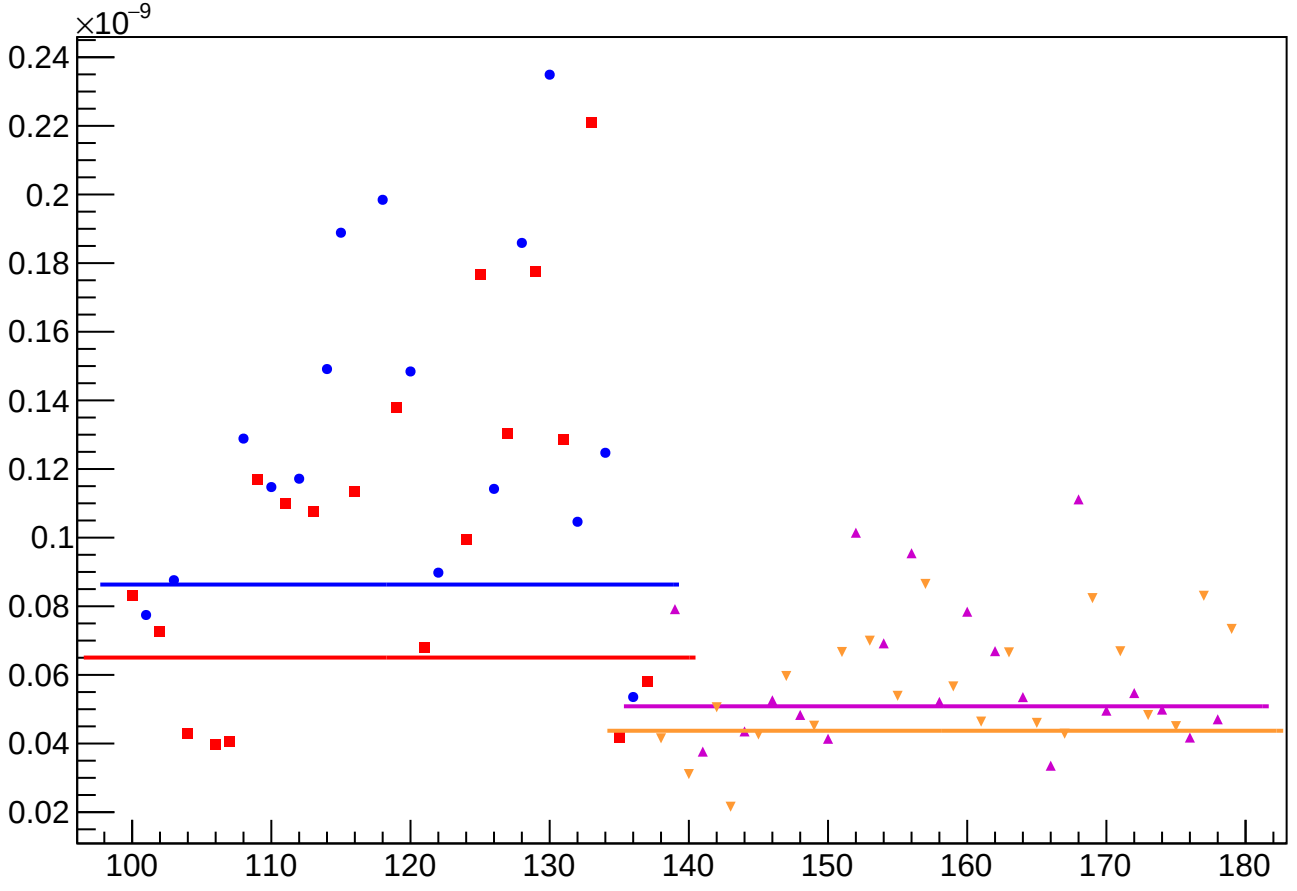
Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:18.6/19

+ sign 0.000+/-0.000 χ^2/NDF: 50.2/37

All: -0.000+/-0.000 χ^2/NDF: 92.7/76

- sign -0.000+/-0.000 χ^2/NDF: 40.9/38



Right In: 0.000+/-0.000 χ^2/NDF: 1565662.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:3001307.6/21

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

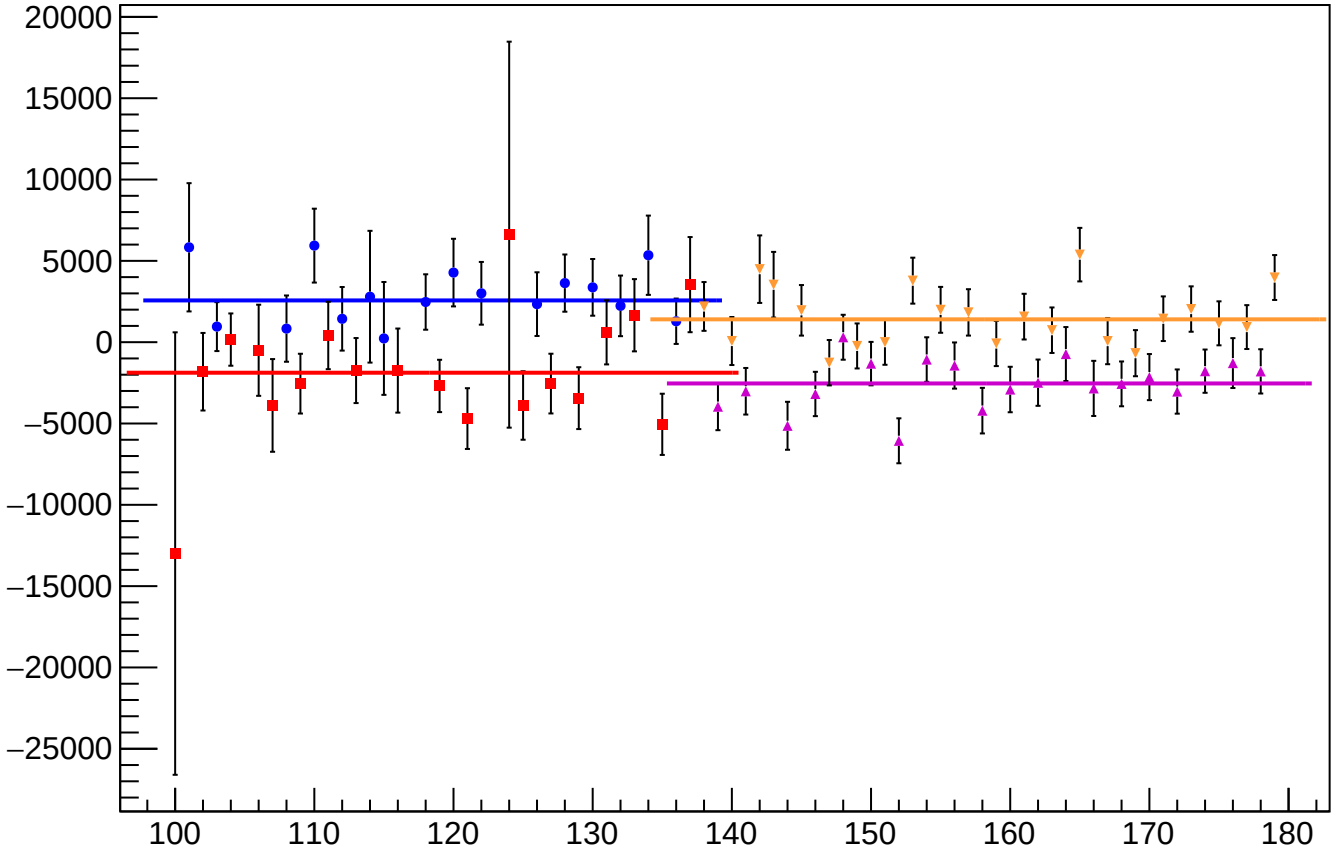
Left In: 0.000+/-0.000 χ^2/NDF:1889080.7/19

+ sign 0.000+/-0.000 χ^2/NDF: 6360486.4/37

All: 0.000+/-0.000 χ^2/NDF: 10847106.3/76

- sign 0.000+/-0.000 χ^2/NDF: 4330615.3/38

reg_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2567.460+/-495.364 χ^2/NDF: 9.0/15

Left Out: 1403.942+/-309.969 χ^2/NDF:27.8/21

Right Out: -1878.030+/-494.719 χ^2/NDF: 19.5/18

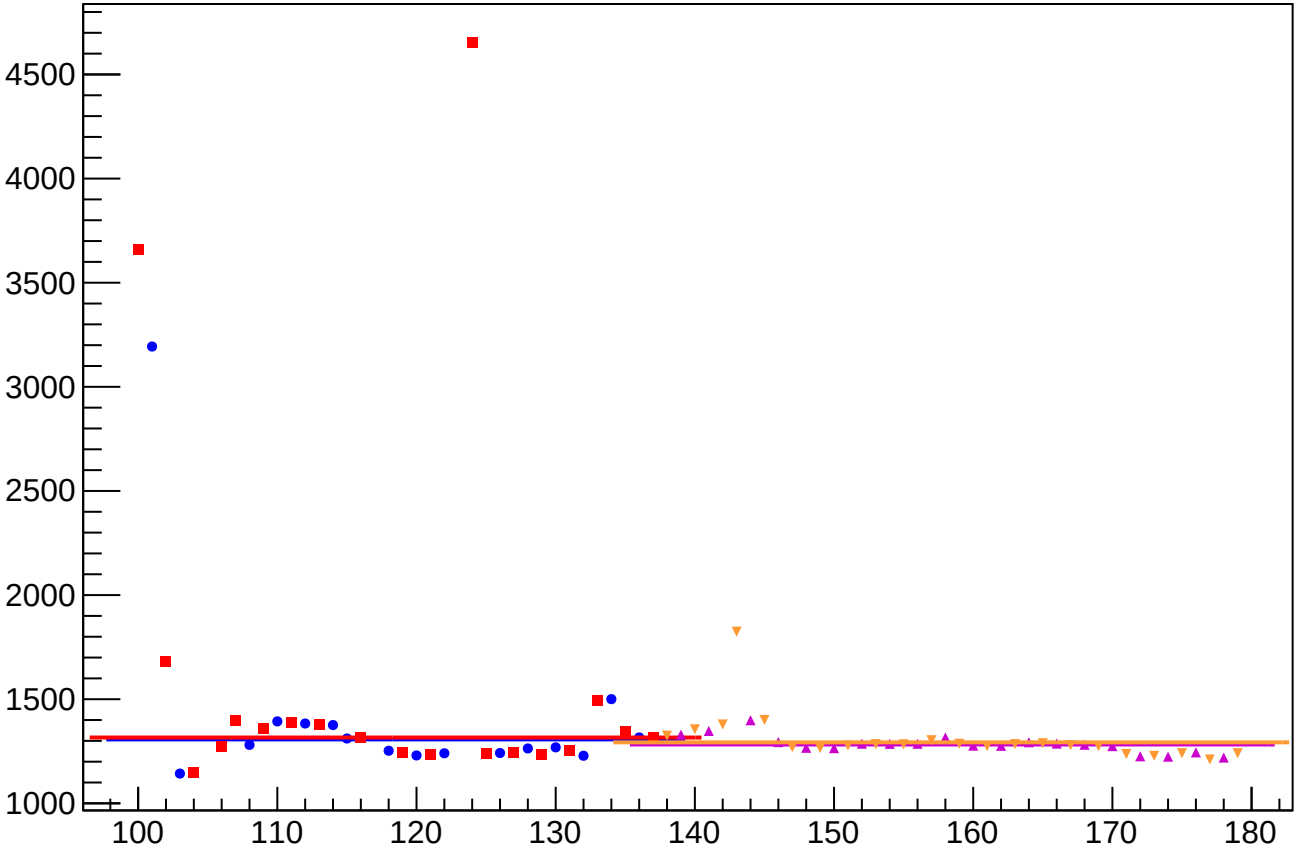
Left In: -2537.658+/-317.431 χ^2/NDF:22.0/19

+ sign 1731.328+/-262.766 χ^2/NDF: 40.8/37

All: -273.145+/-187.339 χ^2/NDF: 201.9/76

- sign -2345.288+/-267.164 χ^2/NDF: 42.8/38

reg_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1307.068+/-0.350 χ^2/NDF: 516249.0/15

Left Out: 1292.903+/-0.219 χ^2/NDF:179745.1/21

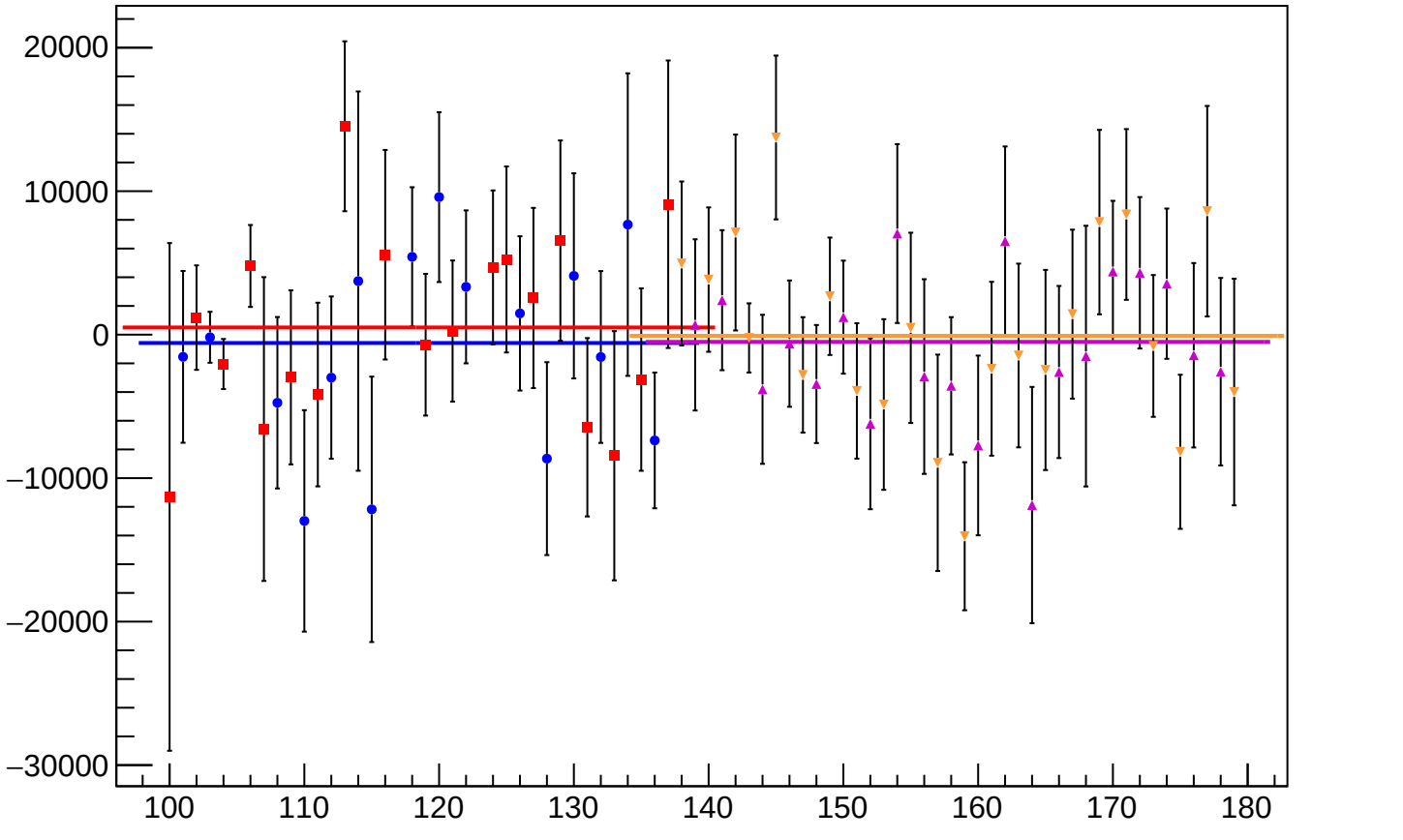
Right Out: 1315.999+/-0.349 χ^2/NDF: 326420.0/18

Left In: 1282.630+/-0.224 χ^2/NDF:33731.3/19

+ sign 1296.889+/-0.186 χ^2/NDF: 697169.4/37

All: 1294.679+/-0.132 χ^2/NDF: 1064078.0/76

- sign 1292.399+/-0.189 χ^2/NDF: 366621.3/38



Right In: -581.790+/-1192.862 χ^2/NDF: 14.7/15

Left Out: -78.651+/-1097.226 χ^2/NDF:27.1/21

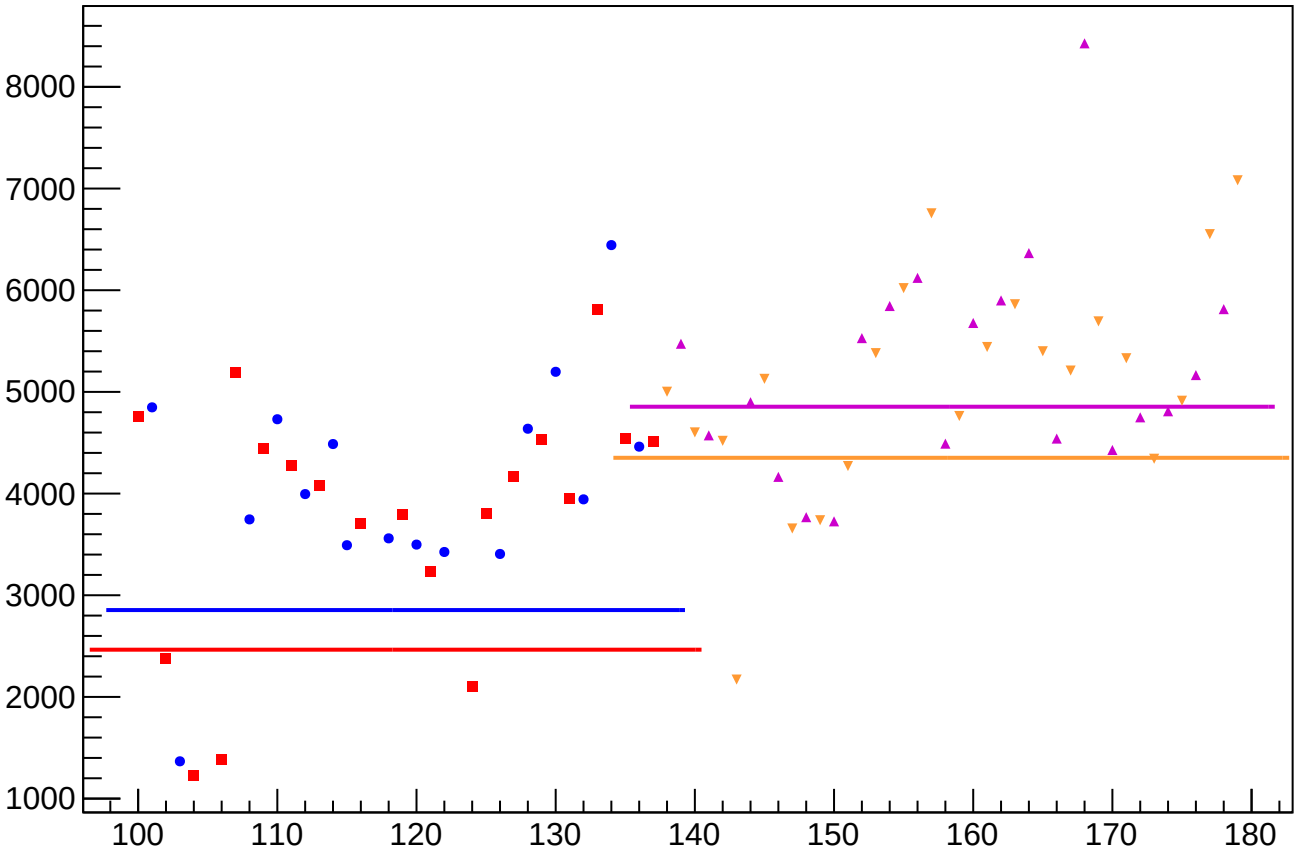
Right Out: 500.098+/-1055.434 χ^2/NDF: 17.7/18

Left In: -502.032+/-1225.469 χ^2/NDF:11.5/19

+ sign -309.246+/-807.552 χ^2/NDF: 42.0/37

All: -116.096+/-568.236 χ^2/NDF: 71.6/76

- sign 73.326+/-799.720 χ^2/NDF: 29.6/38



Right In: 2854.300+/-0.843 χ^2/NDF: 2904822.2/15

Left Out: 4351.866+/-0.776 χ^2/NDF:3059565.7/21

Right Out: 2464.593+/-0.746 χ^2/NDF: 3355947.0/18

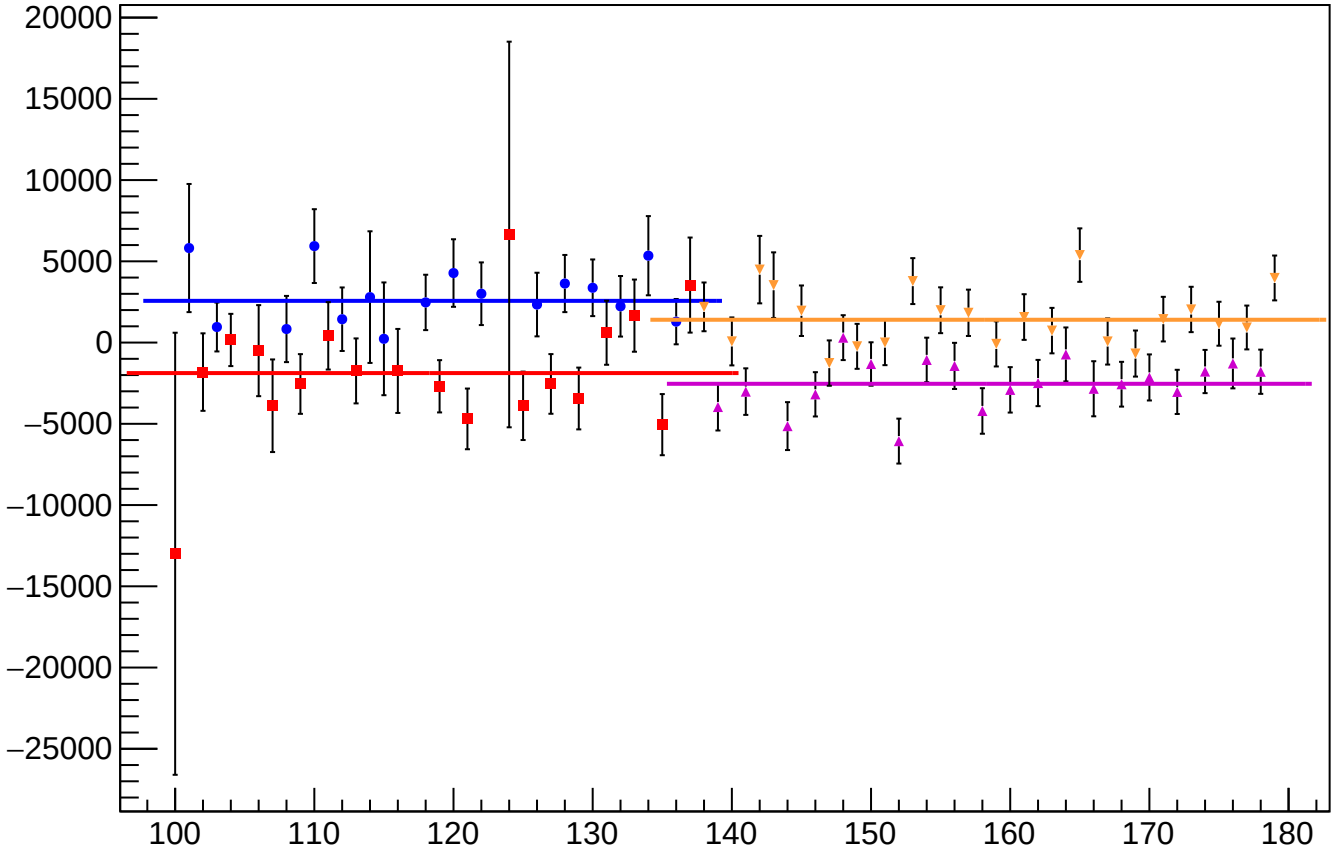
Left In: 4854.234+/-0.867 χ^2/NDF:1068923.9/19

+ sign 3665.513+/-0.571 χ^2/NDF: 7671928.1/37

All: 3572.992+/-0.402 χ^2/NDF: 16515010.2/7

- sign 3482.257+/-0.565 χ^2/NDF: 8791083.7/38

cor_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2567.180+/-495.364 χ^2/NDF: 9.0/15

Left Out: 1403.880+/-309.969 χ^2/NDF:27.8/21

Right Out: -1877.774+/-494.719 χ^2/NDF: 19.5/18

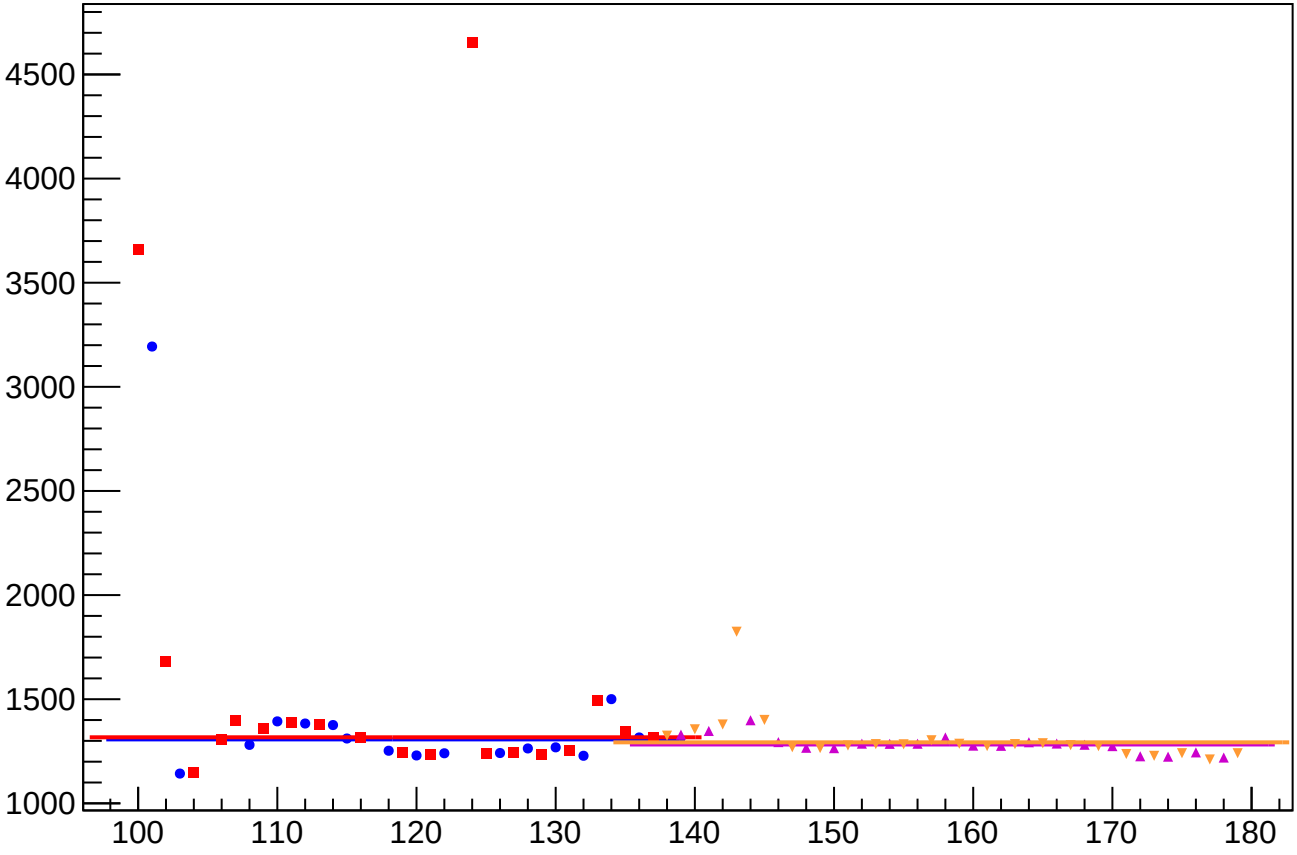
Left In: -2537.655+/-317.431 χ^2/NDF:22.0/19

+ sign 1731.205+/-262.766 χ^2/NDF: 40.8/37

All: -273.170+/-187.339 χ^2/NDF: 201.9/76

- sign -2345.211+/-267.164 χ^2/NDF: 42.8/38

cor_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1307.068+/-0.350 χ^2/NDF: 516250.6/15

Left Out: 1292.903+/-0.219 χ^2/NDF:179745.1/21

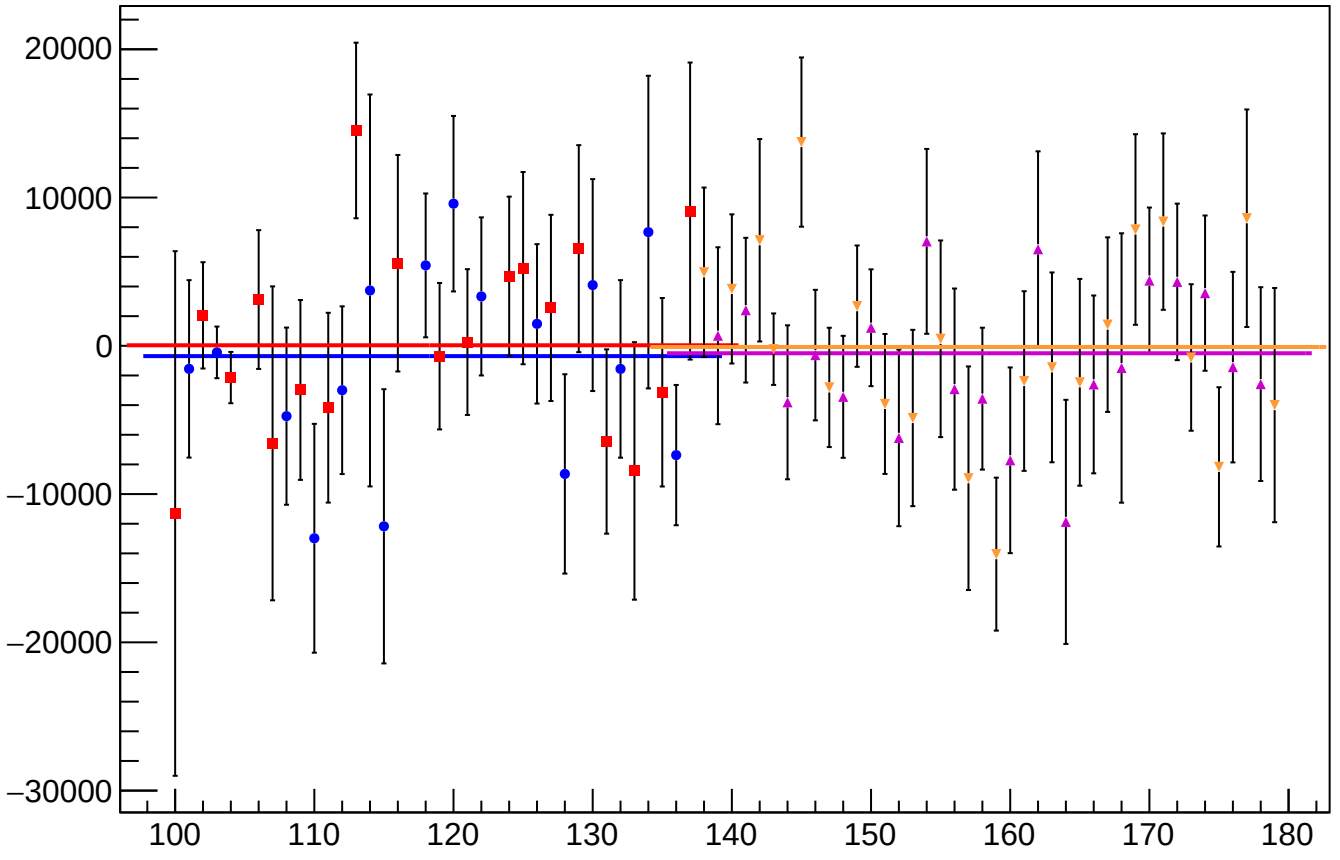
Right Out: 1317.128+/-0.349 χ^2/NDF: 325926.8/18

Left In: 1282.630+/-0.224 χ^2/NDF:33731.3/19

+ sign 1296.889+/-0.186 χ^2/NDF: 697170.9/37

All: 1294.837+/-0.132 χ^2/NDF: 1063984.3/76

- sign 1292.718+/-0.189 χ^2/NDF: 366565.6/38



Right In: -695.249+/-1182.433 χ^2/NDF: 14.7/15

Left Out: -78.670+/-1097.223 χ^2/NDF:27.1/21

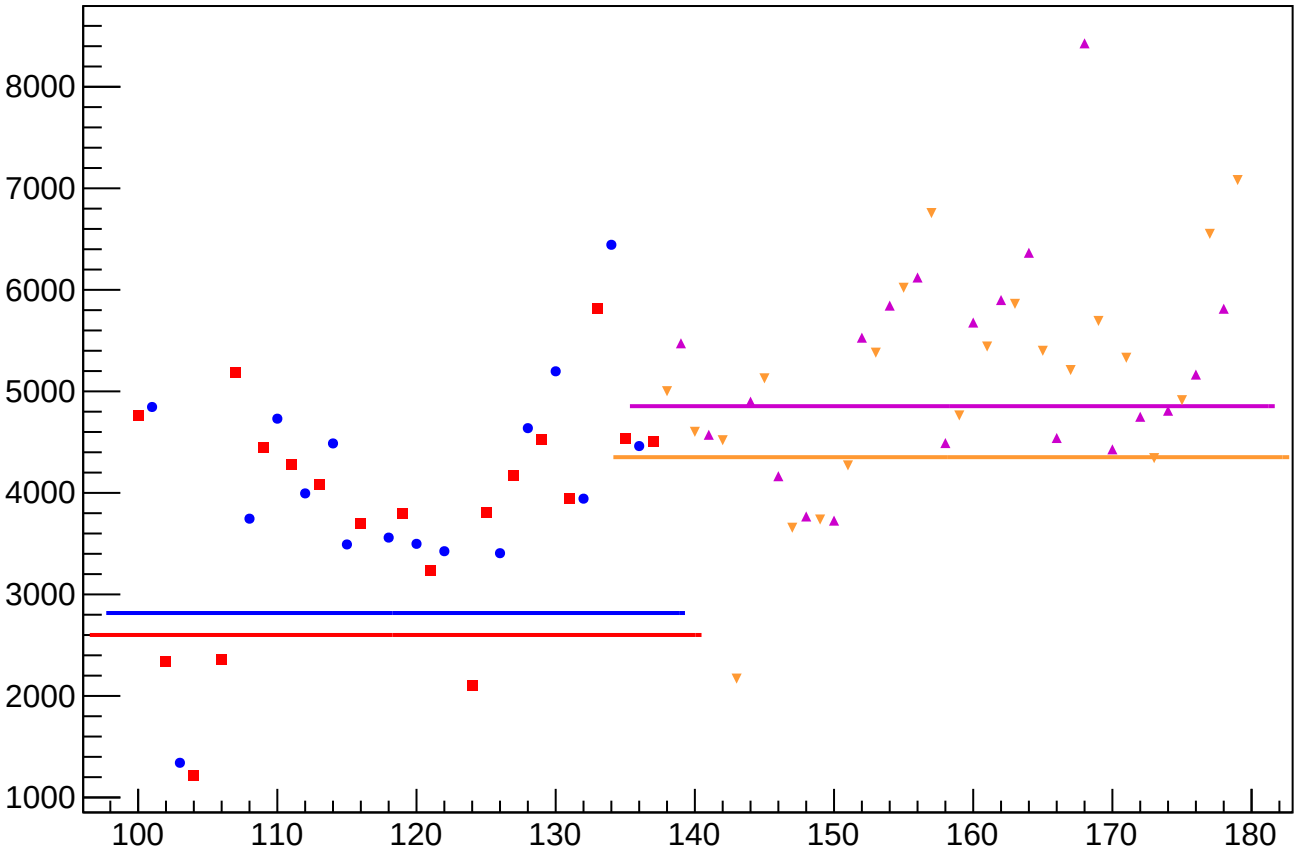
Right Out: 36.115+/-1098.207 χ^2/NDF: 15.9/18

Left In: -502.093+/-1225.469 χ^2/NDF:11.5/19

+ sign -363.945+/-804.292 χ^2/NDF: 42.0/37

All: -285.113+/-573.455 χ^2/NDF: 69.5/76

- sign -203.601+/-817.854 χ^2/NDF: 27.5/38



Right In: 2816.784+/-0.836 χ^2/NDF: 3007570.0/15

Left Out: 4351.847+/-0.776 χ^2/NDF:3059659.1/21

Right Out: 2600.524+/-0.777 χ^2/NDF: 3080771.9/18

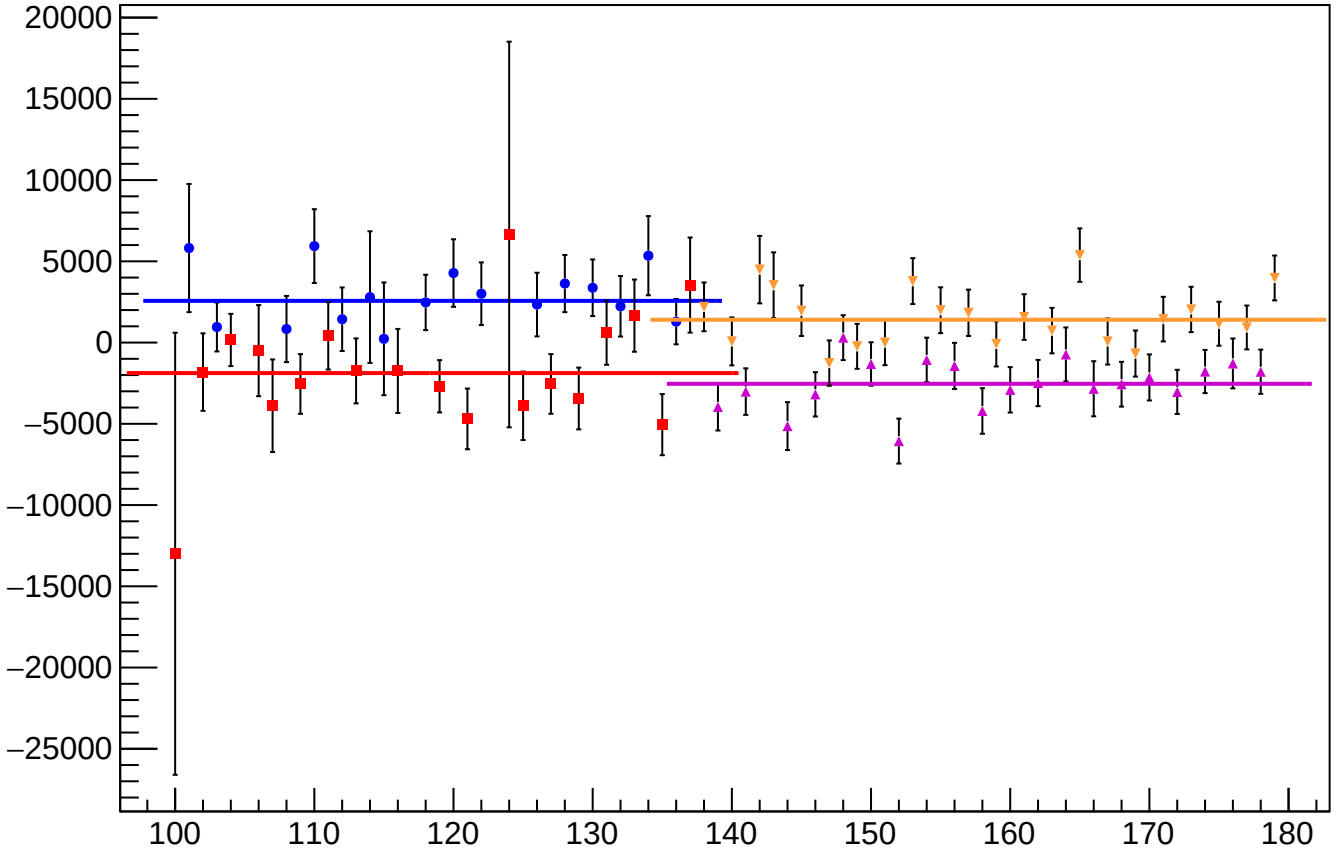
Left In: 4854.233+/-0.867 χ^2/NDF:1068932.3/19

+ sign 3641.614+/-0.569 χ^2/NDF: 7878434.1/37

All: 3623.277+/-0.405 χ^2/NDF: 15781744.3/7

- sign 3604.318+/-0.578 χ^2/NDF: 7901195.8/38

eigen_cor_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2567.180+/-495.364 χ^2/NDF: 9.0/15

Left Out: 1403.880+/-309.969 χ^2/NDF:27.8/21

Right Out: -1877.774+/-494.719 χ^2/NDF: 19.5/18

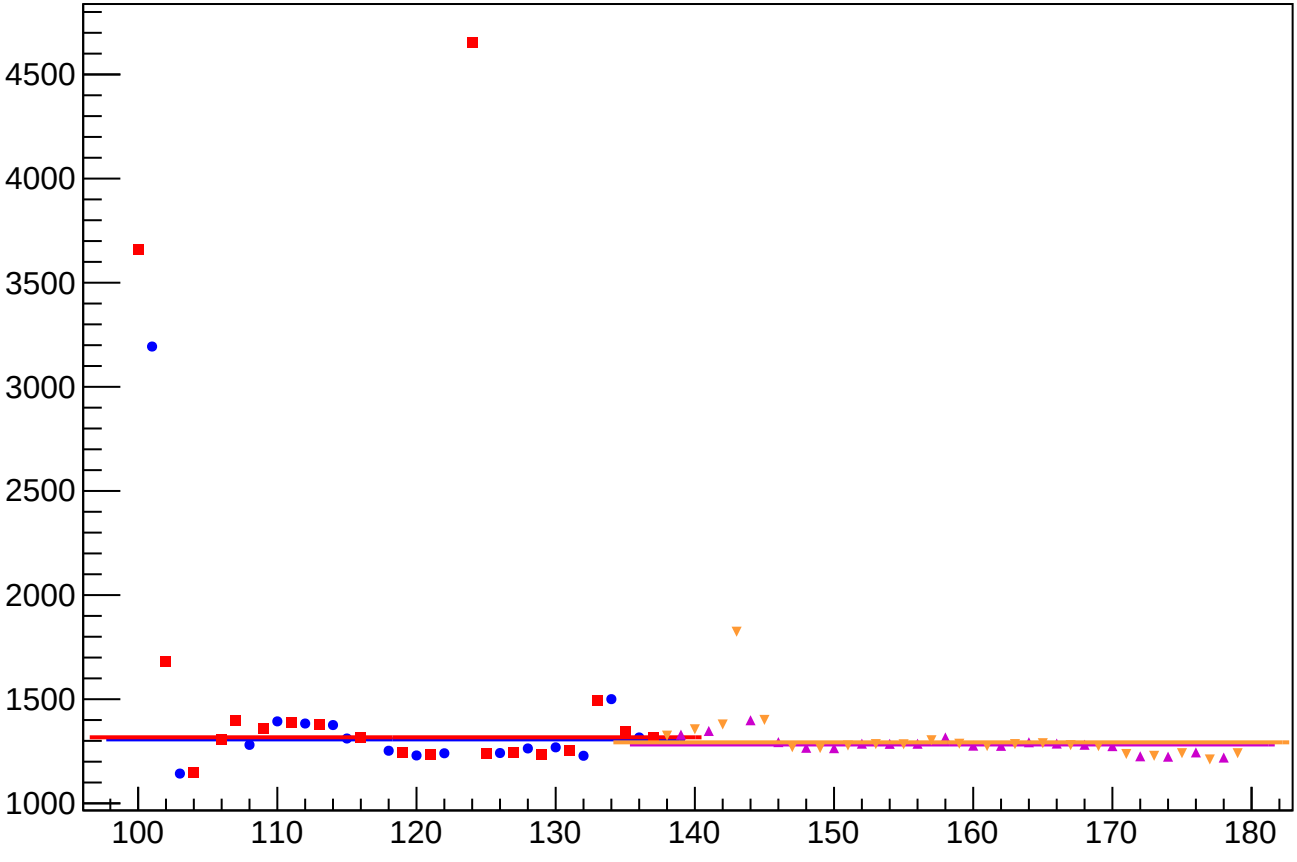
Left In: -2537.655+/-317.431 χ^2/NDF:22.0/19

+ sign 1731.205+/-262.766 χ^2/NDF: 40.8/37

All: -273.170+/-187.339 χ^2/NDF: 201.9/76

- sign -2345.211+/-267.164 χ^2/NDF: 42.8/38

eigen_cor_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1307.068+/-0.350 χ^2/NDF: 516250.6/15

Left Out: 1292.903+/-0.219 χ^2/NDF:179745.1/21

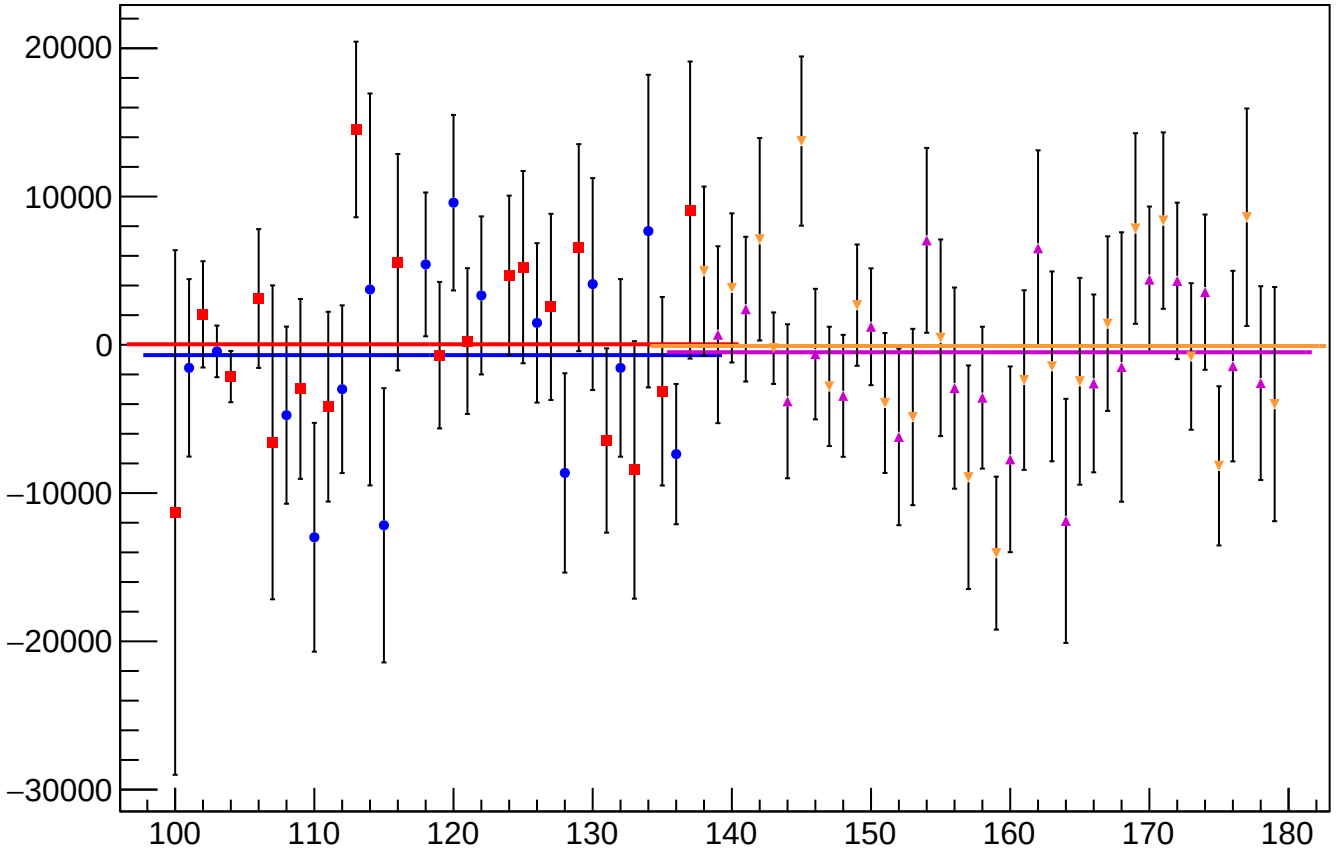
Right Out: 1317.128+/-0.349 χ^2/NDF: 325926.8/18

Left In: 1282.630+/-0.224 χ^2/NDF:33731.3/19

+ sign 1296.889+/-0.186 χ^2/NDF: 697170.9/37

All: 1294.837+/-0.132 χ^2/NDF: 1063984.3/76

- sign 1292.718+/-0.189 χ^2/NDF: 366565.6/38



Right In: -695.249+/-1182.433 χ^2/NDF: 14.7/15

Left Out: -78.670+/-1097.223 χ^2/NDF:27.1/21

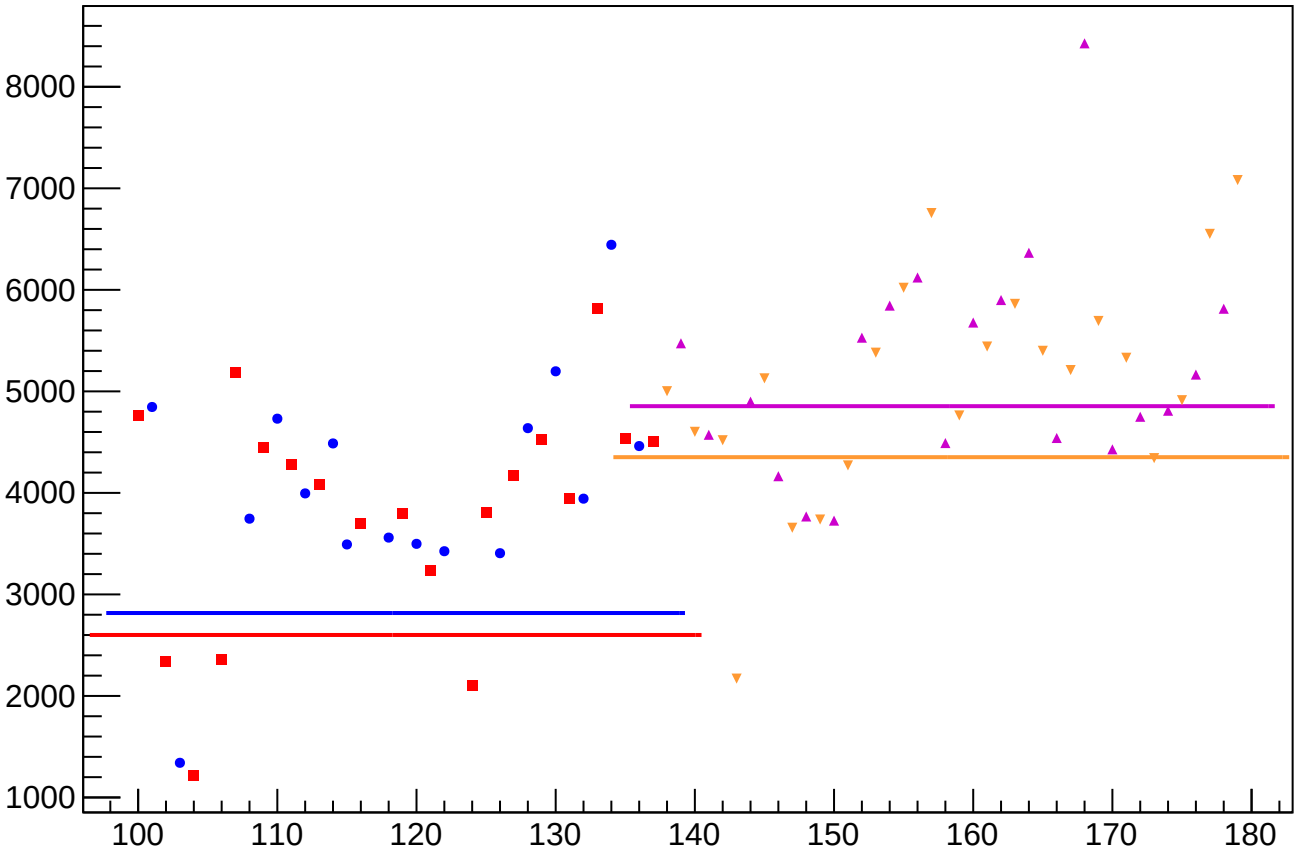
Right Out: 36.115+/-1098.207 χ^2/NDF: 15.9/18

Left In: -502.093+/-1225.469 χ^2/NDF:11.5/19

+ sign -363.945+/-804.292 χ^2/NDF: 42.0/37

All: -285.113+/-573.455 χ^2/NDF: 69.5/76

- sign -203.601+/-817.854 χ^2/NDF: 27.5/38



Right In: 2816.784+/-0.836 χ^2/NDF: 3007570.0/15

Left Out: 4351.847+/-0.776 χ^2/NDF:3059659.1/21

Right Out: 2600.524+/-0.777 χ^2/NDF: 3080771.9/18

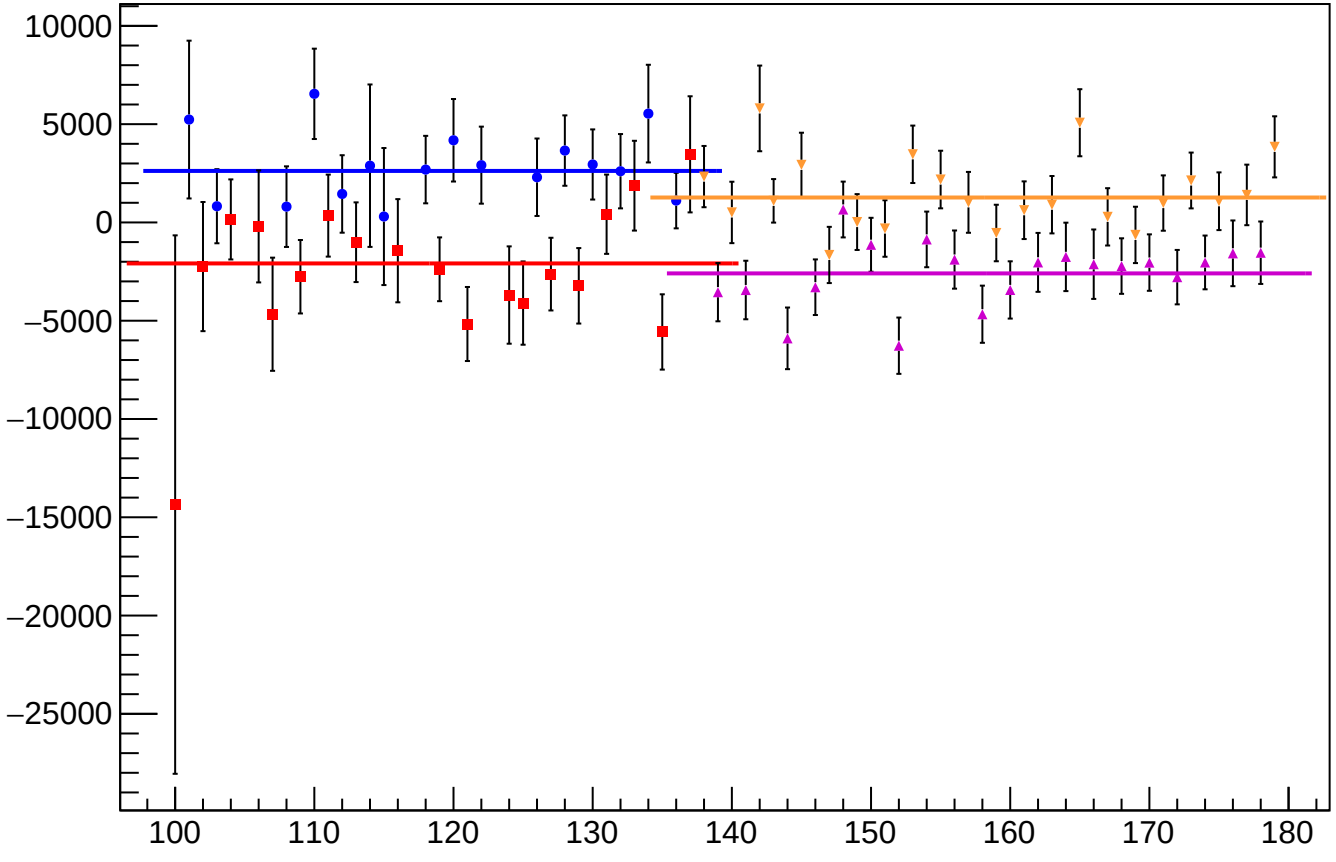
Left In: 4854.233+/-0.867 χ^2/NDF:1068932.3/19

+ sign 3641.614+/-0.569 χ^2/NDF: 7878434.1/37

All: 3623.277+/-0.405 χ^2/NDF: 15781744.3/7

- sign 3604.318+/-0.578 χ^2/NDF: 7901195.8/38

dit_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2620.535+/-511.510 χ^2/NDF: 9.3/15

Left Out: 1268.331+/-315.299 χ^2/NDF:27.1/21

Right Out: -2085.606+/-504.873 χ^2/NDF: 20.9/18

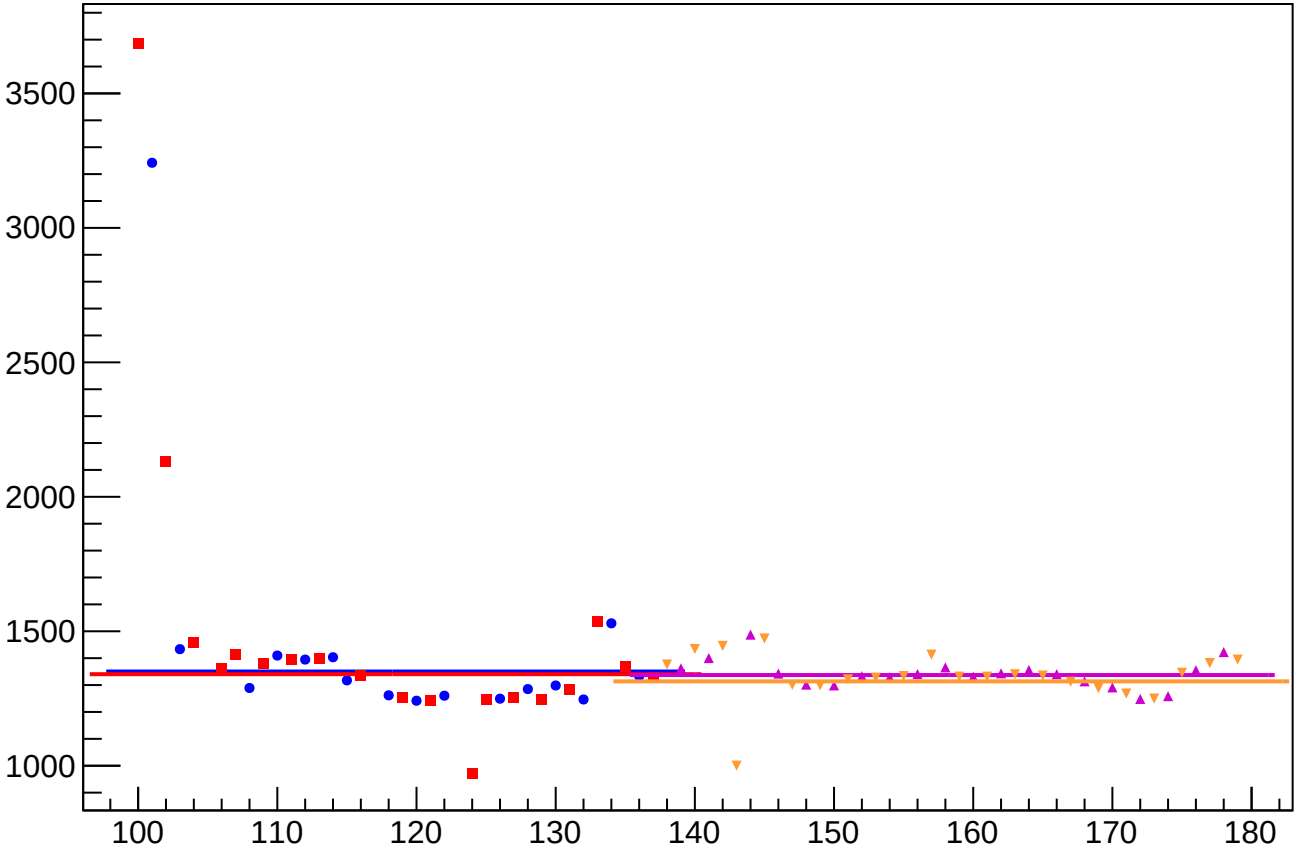
Left In: -2592.442+/-331.116 χ^2/NDF:24.1/19

+ sign 1640.649+/-268.405 χ^2/NDF: 41.5/37

All: -336.259+/-192.718 χ^2/NDF: 199.3/76

- sign -2440.005+/-276.881 χ^2/NDF: 45.8/38

dit_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1350.369+/-0.362 χ^2/NDF: 494051.1/15

Left Out: 1313.751+/-0.223 χ^2/NDF:229531.9/21

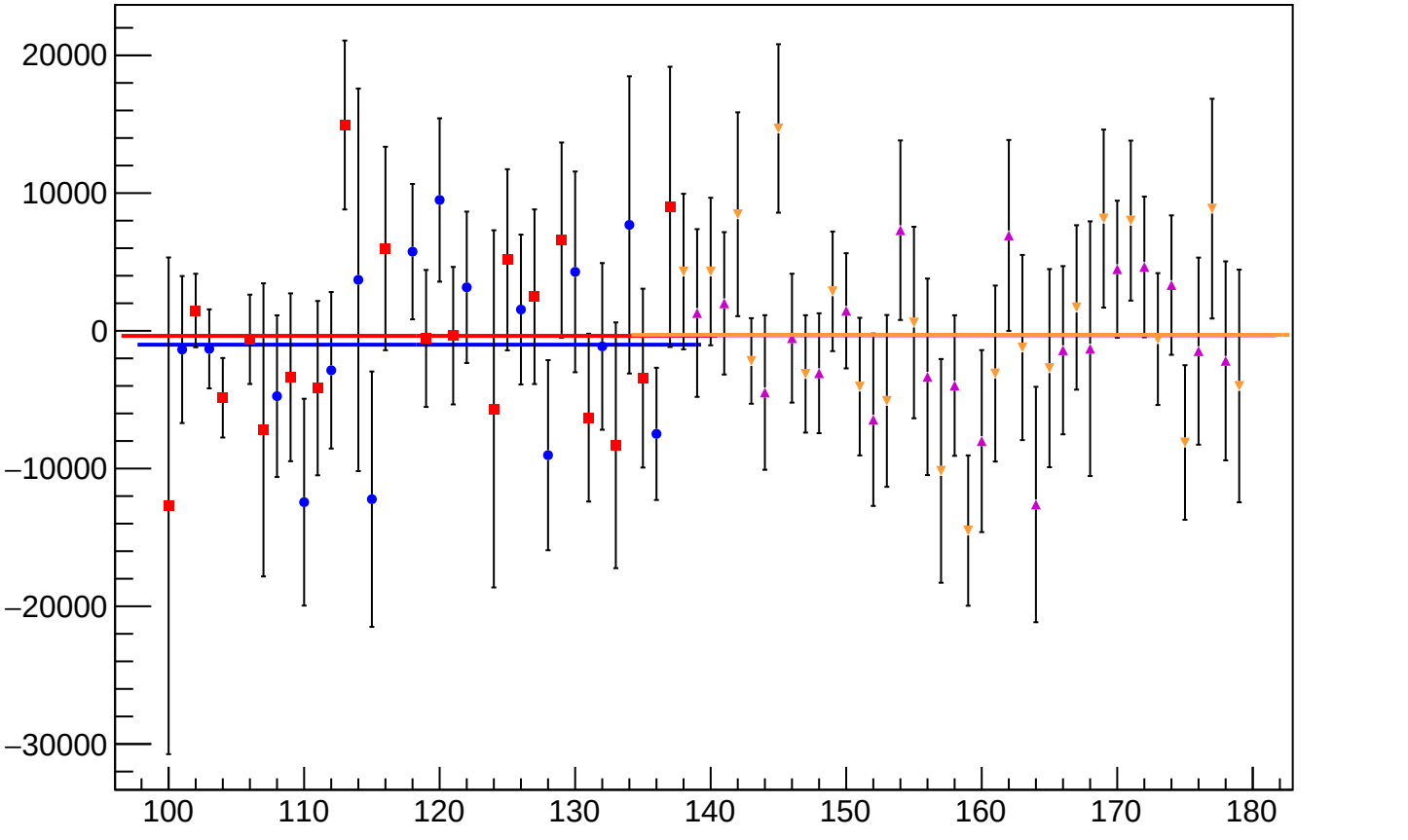
Right Out: 1340.429+/-0.357 χ^2/NDF: 272183.5/18

Left In: 1337.302+/-0.234 χ^2/NDF:50030.2/19

+ sign 1323.834+/-0.190 χ^2/NDF: 731010.3/37

All: 1330.816+/-0.136 χ^2/NDF: 1056070.7/76

- sign 1338.243+/-0.196 χ^2/NDF: 322267.4/38



Right In: -1006.752+/-1404.458 χ^2/NDF: 14.6/15

Left Out: -297.584+/-1186.125 χ^2/NDF:27.2/21

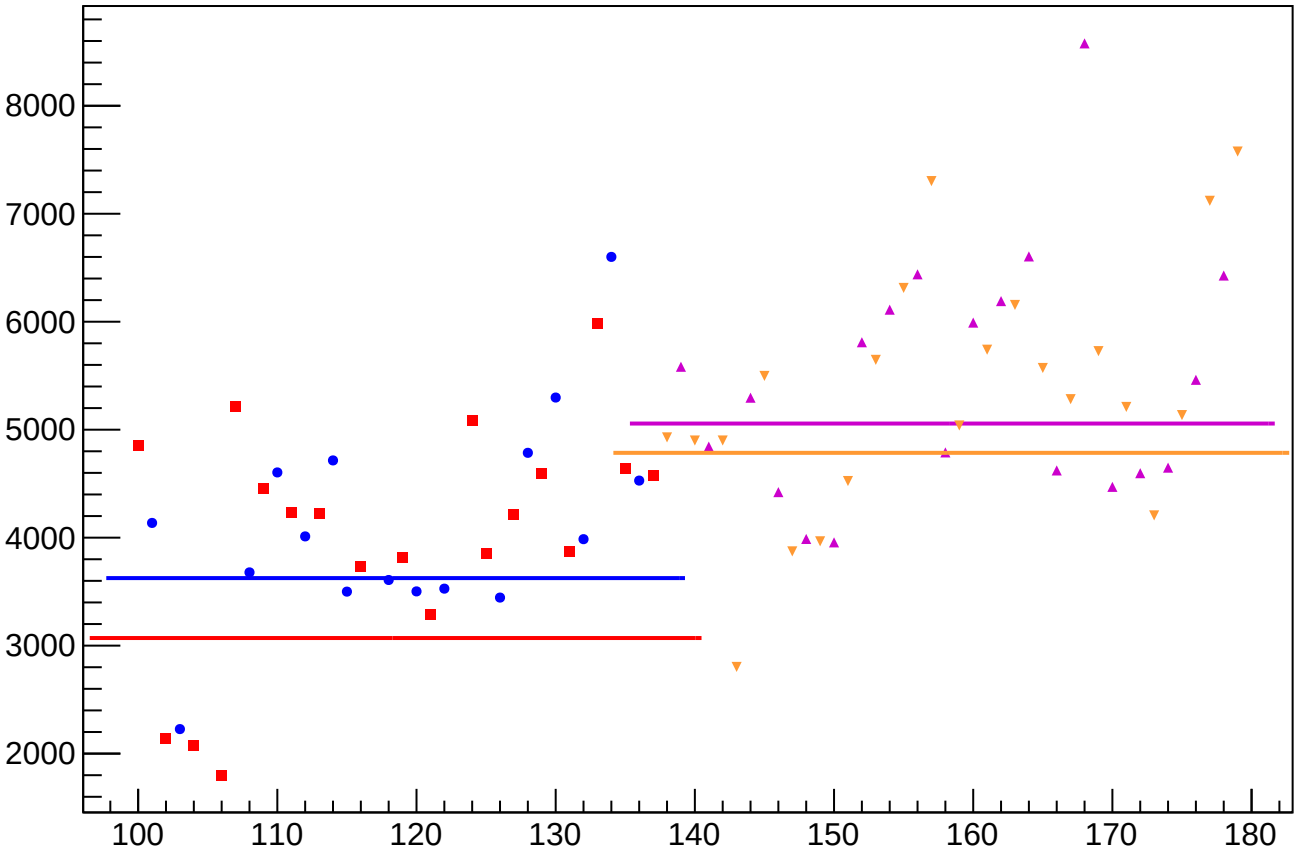
Right Out: -364.493+/-1202.498 χ^2/NDF: 16.2/18

Left In: -322.085+/-1276.789 χ^2/NDF:11.5/19

+ sign -592.821+/-906.191 χ^2/NDF: 42.0/37

All: -464.398+/-629.598 χ^2/NDF: 69.7/76

- sign -344.559+/-875.380 χ^2/NDF: 27.7/38



Right In: 3625.512+/-0.993 χ^2/NDF: 944905.4/15

Left Out: 4785.621+/-0.839 χ^2/NDF:1988941.1/21

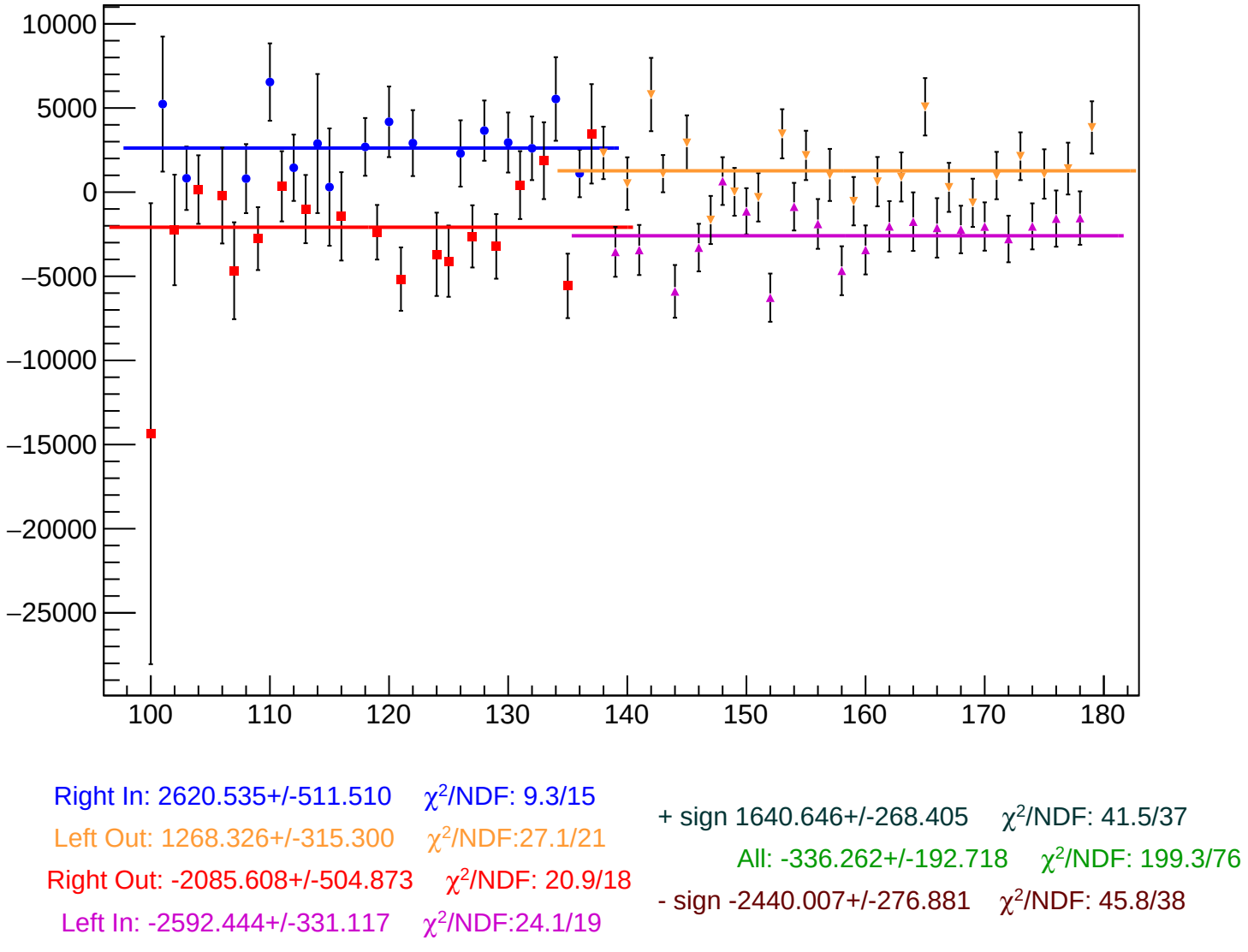
Right Out: 3070.442+/-0.850 χ^2/NDF: 1838659.1/18

Left In: 5056.899+/-0.903 χ^2/NDF:1075167.9/19

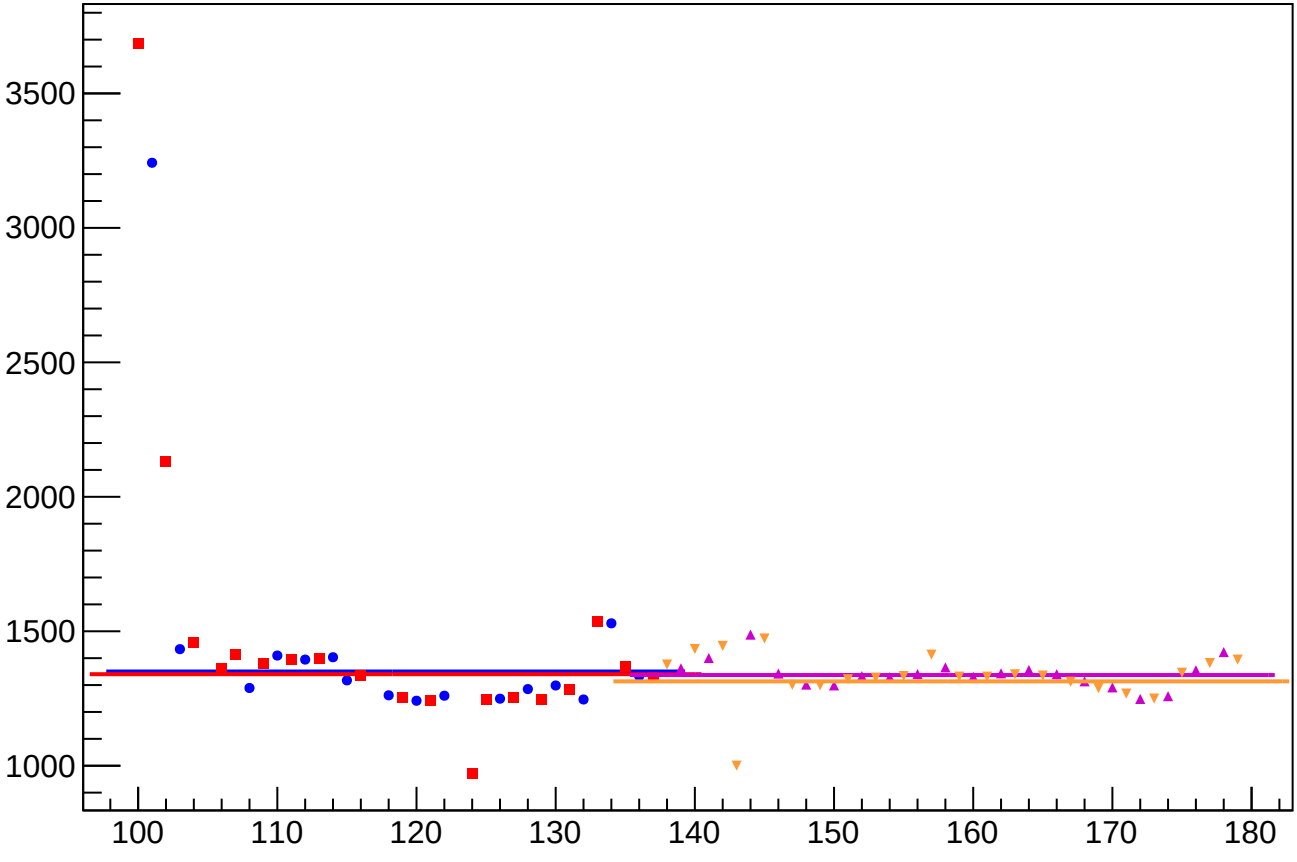
\+ sign 4302.650+/-0.641 χ^2/NDF: 3730351.4/37

All: 4148.266+/-0.445 χ^2/NDF: 9321914.1/76

\- sign 4004.201+/-0.619 χ^2/NDF: 5479344.4/38


eigen_dit_asym_atl_avg_atr_avg_avg_mean vs Slug
10000
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
160
170
180
Right In: 2620.535+/-511.510 χ²/NDF: 9.3/15
Left Out: 1268.326+/-315.300 χ²/NDF:27.1/21
Right Out: -2085.608+/-504.873 χ²/NDF: 20.9/18
Left In: -2592.444+/-331.117 χ²/NDF:24.1/19
+ sign 1640.646+/-268.405 χ²/NDF: 41.5/37
All: -336.262+/-192.718 χ²/NDF: 199.3/76
- sign -2440.007+/-276.881 χ²/NDF: 45.8/38

eigen_dit_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1350.369+/-0.362 χ^2/NDF: 494051.2/15

Left Out: 1313.753+/-0.223 χ^2/NDF:229534.6/21

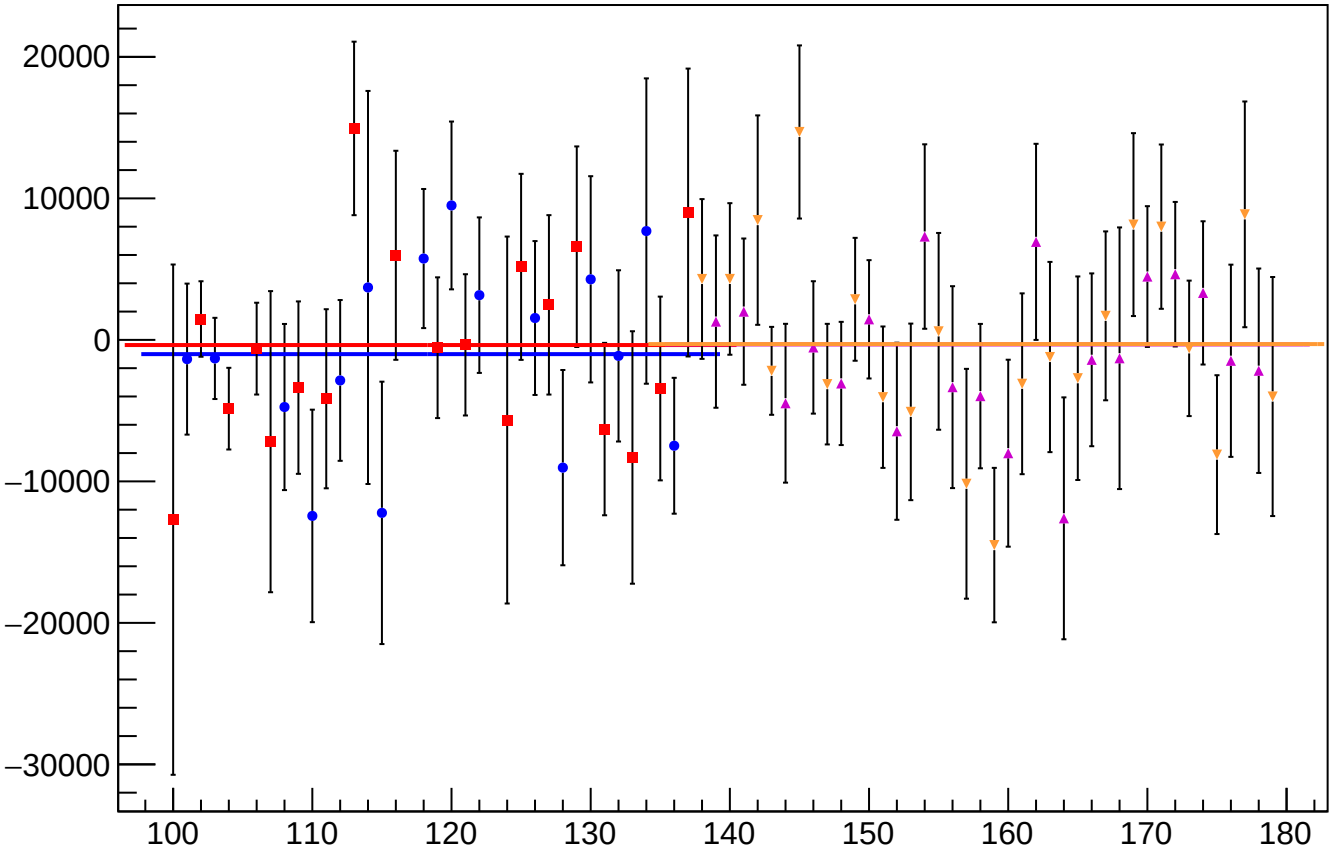
Right Out: 1340.428+/-0.357 χ^2/NDF: 272182.5/18

Left In: 1337.303+/-0.234 χ^2/NDF:50032.4/19

+ sign 1323.835+/-0.190 χ^2/NDF: 731012.4/37

All: 1330.817+/-0.136 χ^2/NDF: 1056073.9/76

- sign 1338.244+/-0.196 χ^2/NDF: 322268.6/38



Right In: -1006.742+/-1404.455 χ^2/NDF: 14.6/15

Left Out: -297.587+/-1186.127 χ^2/NDF:27.2/21

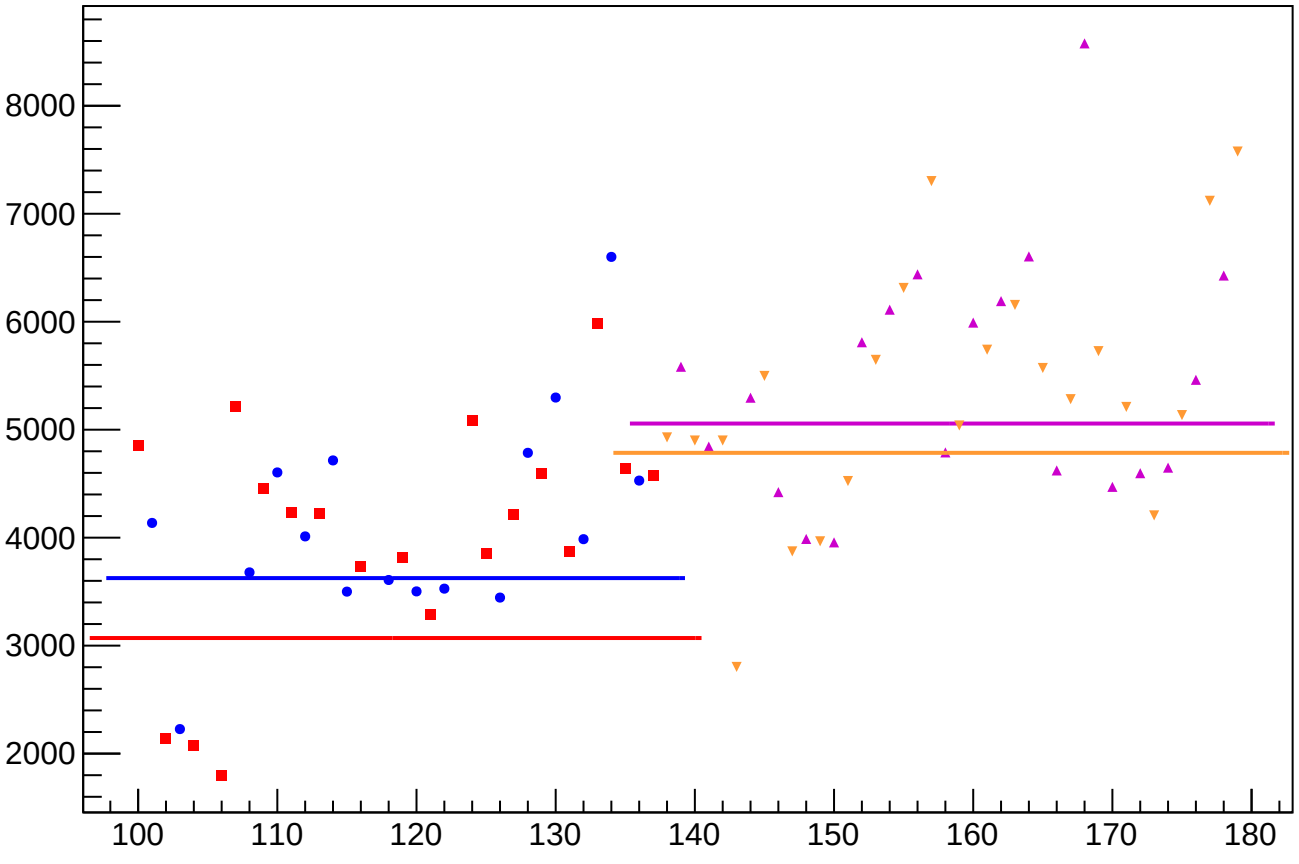
Right Out: -364.495+/-1202.495 χ^2/NDF: 16.2/18

Left In: -322.085+/-1276.791 χ^2/NDF:11.5/19

+ sign -592.820+/-906.191 χ^2/NDF: 42.0/37

All: -464.398+/-629.598 χ^2/NDF: 69.7/76

- sign -344.560+/-875.380 χ^2/NDF: 27.7/38



Right In: 3625.503+/-0.993 χ^2/NDF: 944907.6/15

Left Out: 4785.629+/-0.839 χ^2/NDF:1988942.8/21

Right Out: 3070.434+/-0.850 χ^2/NDF: 1838662.0/18

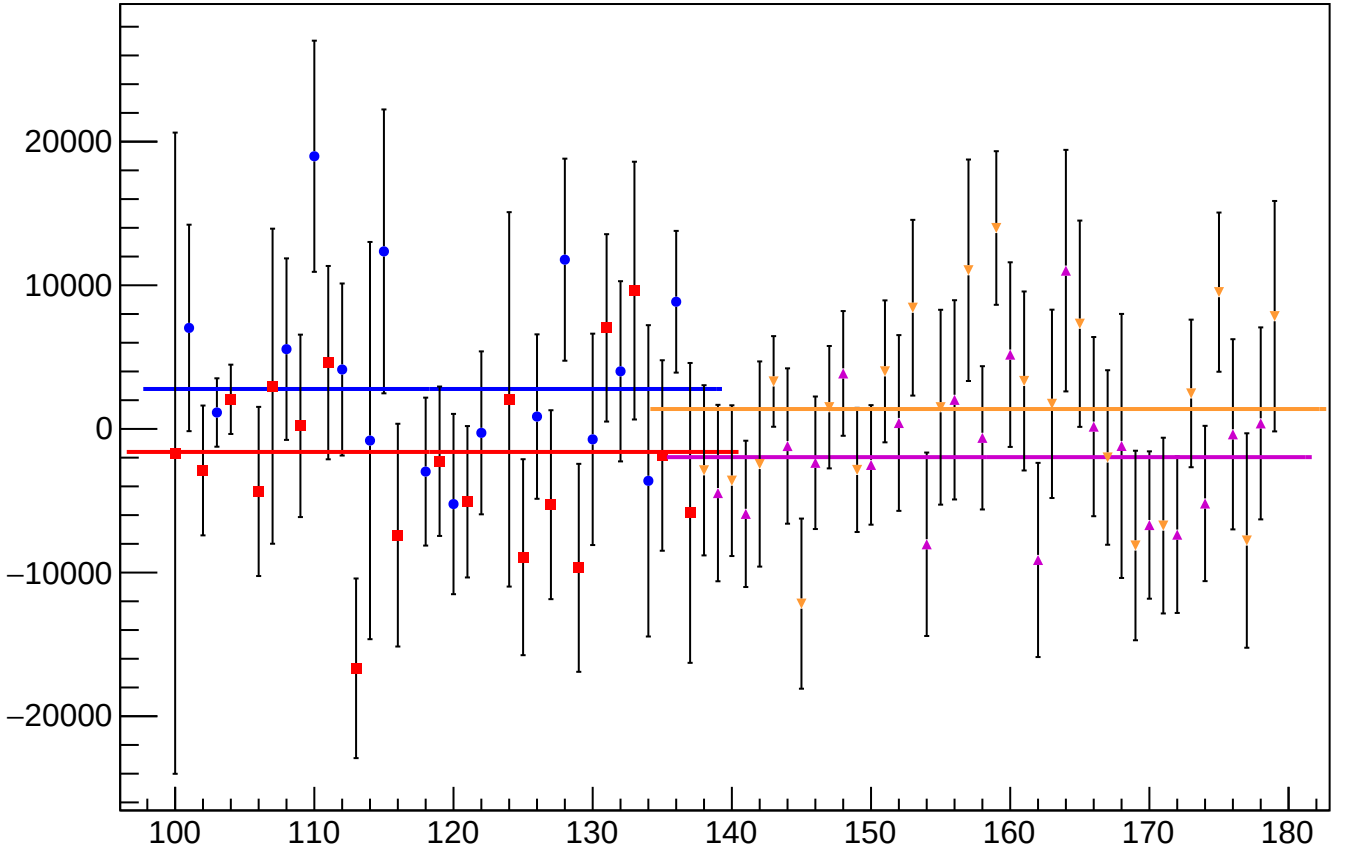
Left In: 5056.907+/-0.903 χ^2/NDF:1075170.3/19

+ sign 4302.649+/-0.641 χ^2/NDF: 3730379.5/37

All: 4148.262+/-0.445 χ^2/NDF: 9321994.4/76

- sign 4004.196+/-0.619 χ^2/NDF: 5479393.7/38

asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2780.878+/-1389.439 χ^2/NDF: 13.2/15

Left Out: 1386.063+/-1184.777 χ^2/NDF:26.3/21

Right Out: -1602.626+/-1337.018 χ^2/NDF: 16.8/18

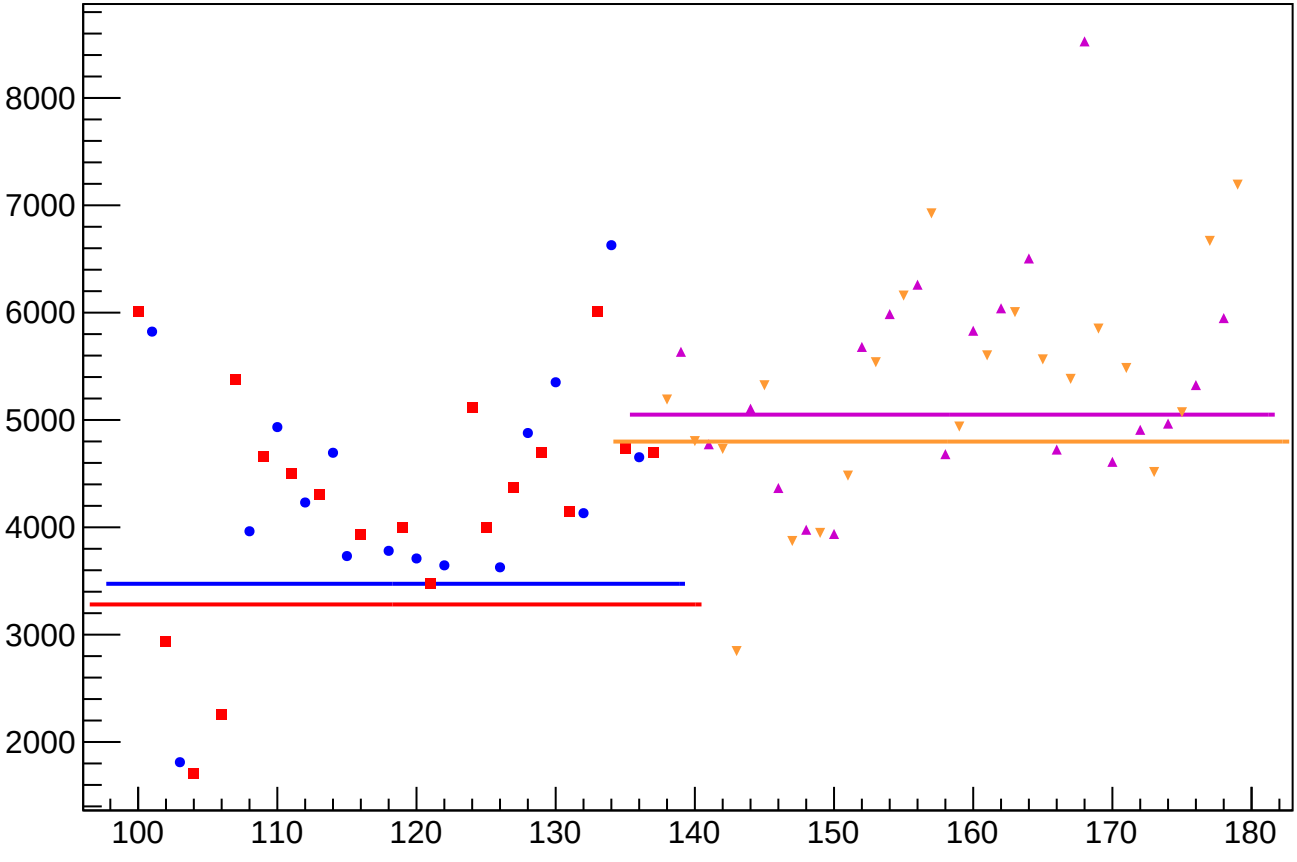
Left In: -1963.647+/-1271.882 χ^2/NDF:11.3/19

+ sign 1973.273+/-901.525 χ^2/NDF: 40.1/37

All: 131.865+/-644.429 χ^2/NDF: 76.7/76

- sign -1792.145+/-921.523 χ^2/NDF: 28.1/38

asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 3473.898+/-0.982 χ^2/NDF: 1843964.2/15

Left Out: 4798.827+/-0.838 χ^2/NDF:1766290.1/21

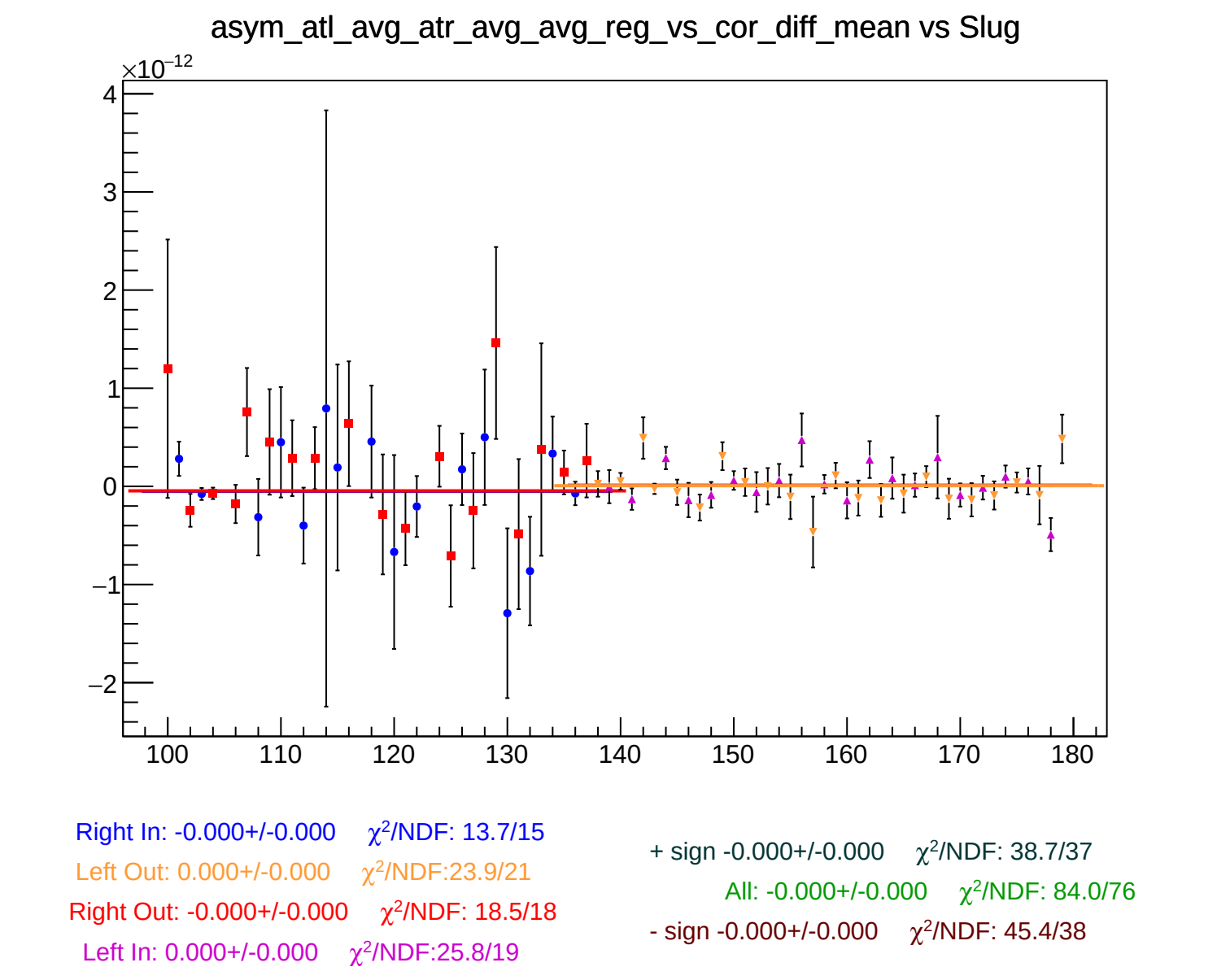
Right Out: 3281.478+/-0.932 χ^2/NDF: 1875493.9/18

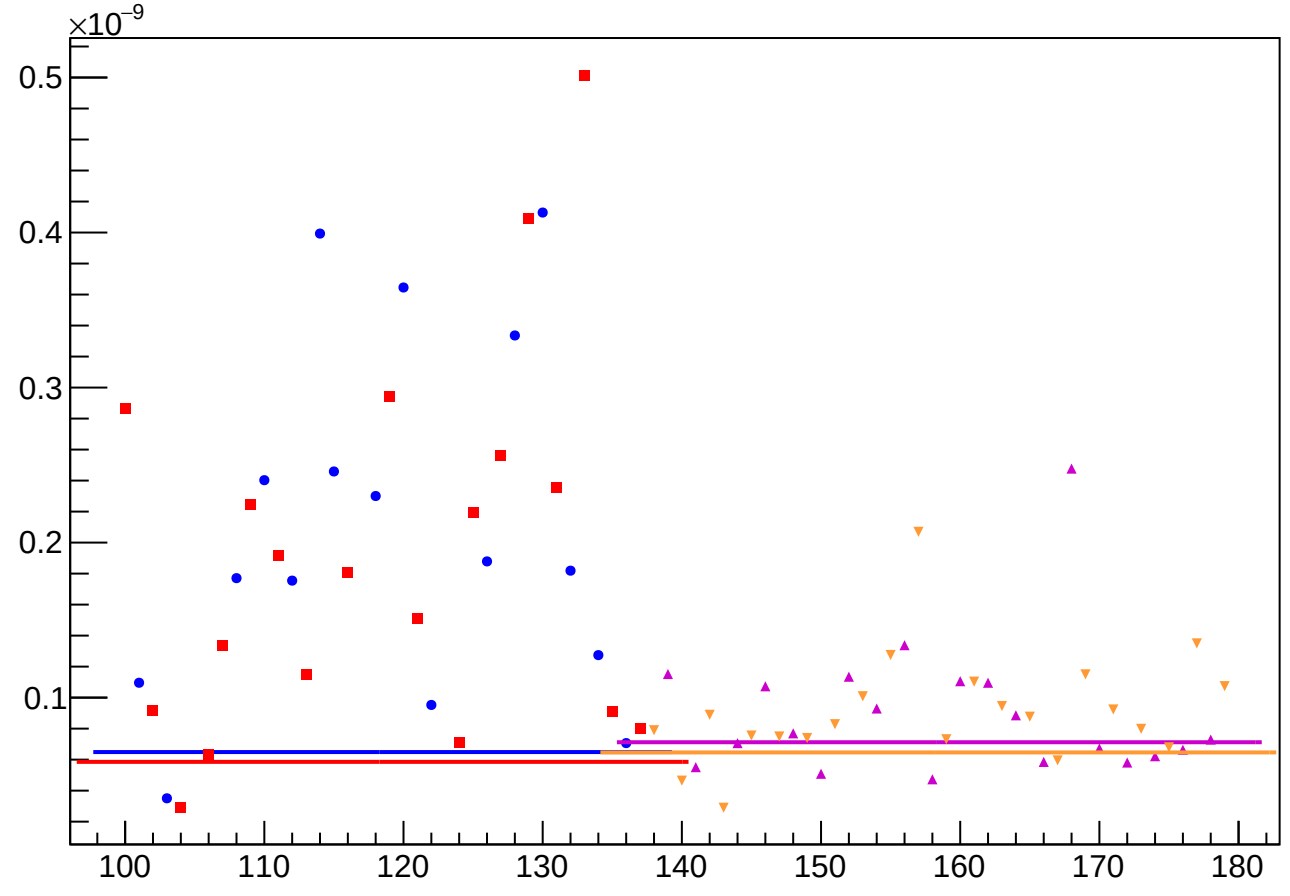
Left In: 5049.722+/-0.899 χ^2/NDF:949425.1/19

+ sign 4241.034+/-0.637 χ^2/NDF: 4663241.0/37

All: 4219.639+/-0.454 χ^2/NDF: 9353358.6/76

- sign 4197.576+/-0.647 χ^2/NDF: 4687829.5/38


asym_atl_avg_atr_avg_avg_reg_vs_cor_diff_mean vs Slug
×10^−12
4
3
2
1
0
−1
−2
100
110
120
130
140
150
160
170
180
Right In: -0.000+/-0.000 χ²/NDF: 13.7/15
Left Out: 0.000+/-0.000 χ²/NDF:23.9/21
Right Out: -0.000+/-0.000 χ²/NDF: 18.5/18
Left In: 0.000+/-0.000 χ²/NDF:25.8/19
+ sign -0.000+/-0.000 χ²/NDF: 38.7/37
All: -0.000+/-0.000 χ²/NDF: 84.0/76
- sign -0.000+/-0.000 χ²/NDF: 45.4/38



Right In: 0.000+/-0.000 χ^2/NDF: 2592912.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:2272442.1/21

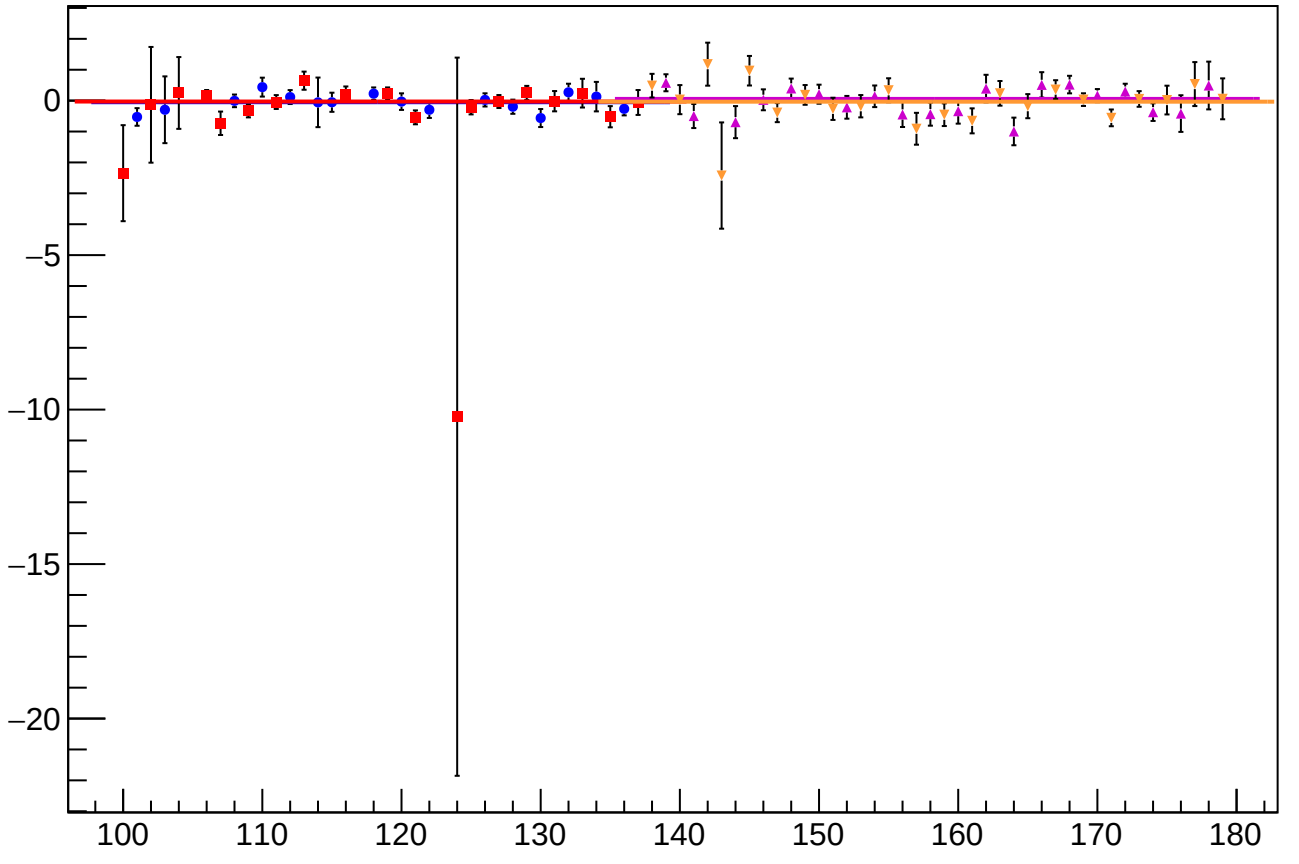
Right Out: 0.000+/-0.000 χ^2/NDF: 2855105.2/18

Left In: 0.000+/-0.000 χ^2/NDF:1319885.9/19

+ sign 0.000+/-0.000 χ^2/NDF: 4865389.5/37

All: 0.000+/-0.000 χ^2/NDF: 9152260.4/76

- sign 0.000+/-0.000 χ^2/NDF: 4274595.2/38



Right In: -0.051+/-0.067 χ^2/NDF: 14.9/15

Left Out: -0.034+/-0.078 χ^2/NDF:27.9/21

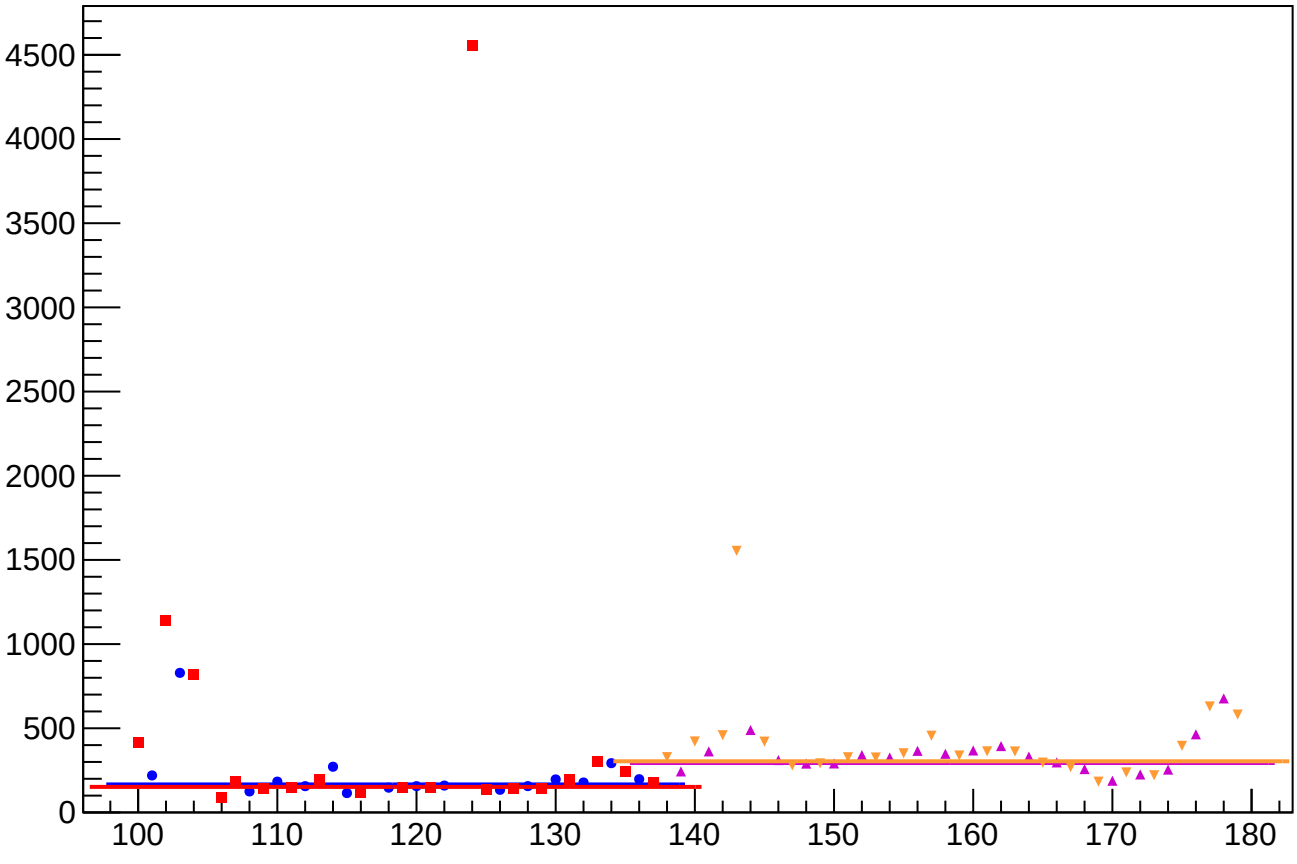
Right Out: -0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: 0.055+/-0.077 χ^2/NDF:28.3/19

+ sign -0.044+/-0.051 χ^2/NDF: 42.8/37

All: -0.018+/-0.035 χ^2/NDF: 99.9/76

- sign 0.006+/-0.049 χ^2/NDF: 56.5/38



Right In: 166.360+/-0.047 χ^2/NDF: 1282728.5/15

Left Out: 303.956+/-0.055 χ^2/NDF:3651448.9/21

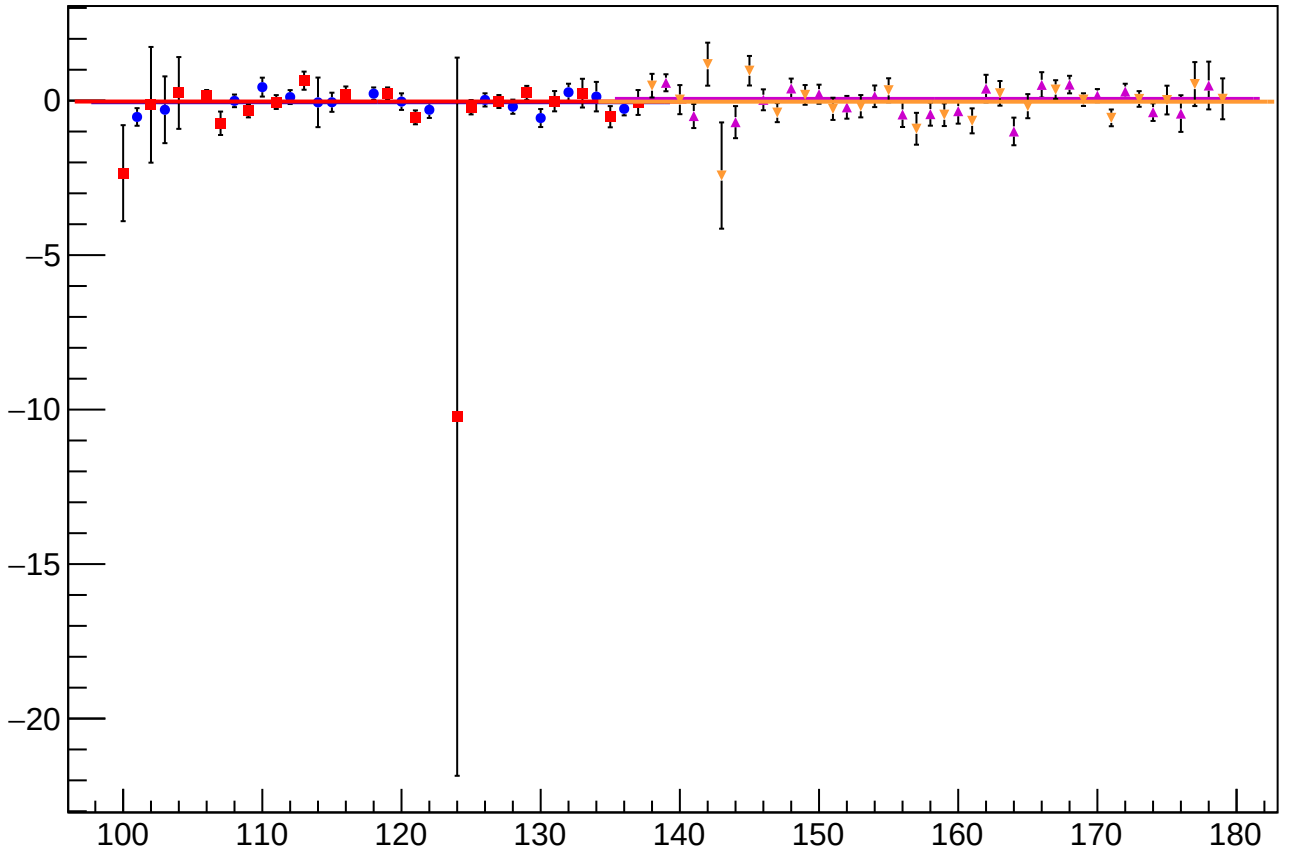
Right Out: 151.791+/-0.045 χ^2/NDF: 2315638.8/18

Left In: 293.949+/-0.054 χ^2/NDF:2121901.6/19

+ sign 224.279+/-0.036 χ^2/NDF: 8513836.1/37

All: 217.034+/-0.025 χ^2/NDF: 17085416.0/76

- sign 210.254+/-0.035 χ^2/NDF: 8492763.9/38



Right In: -0.051+/-0.067 χ^2/NDF: 14.9/15

Left Out: -0.034+/-0.078 χ^2/NDF:27.9/21

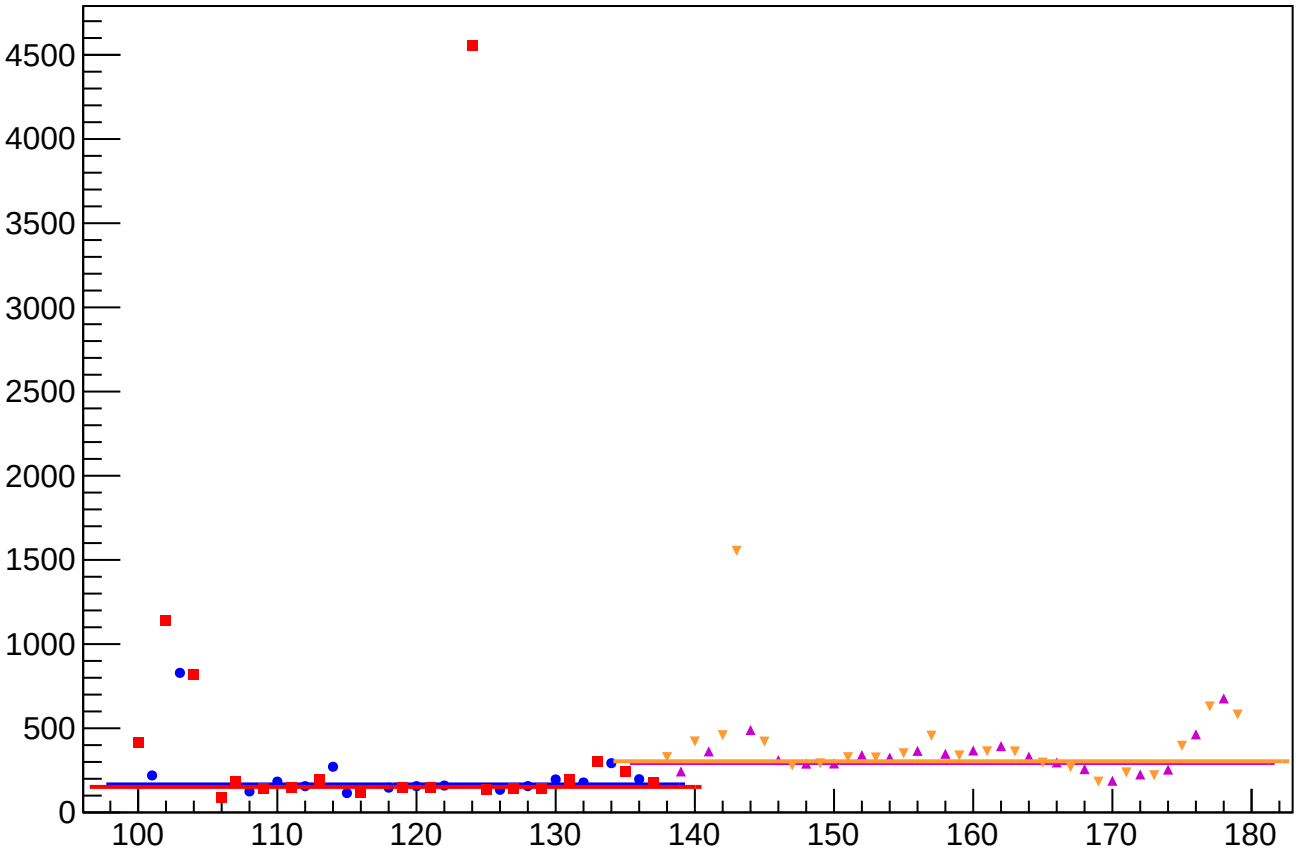
Right Out: -0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: 0.055+/-0.077 χ^2/NDF:28.3/19

+ sign -0.044+/-0.051 χ^2/NDF: 42.8/37

All: -0.018+/-0.035 χ^2/NDF: 99.9/76

- sign 0.006+/-0.049 χ^2/NDF: 56.5/38



Right In: 166.360+/-0.047 χ^2/NDF: 1282728.5/15

Left Out: 303.956+/-0.055 χ^2/NDF:3651448.9/21

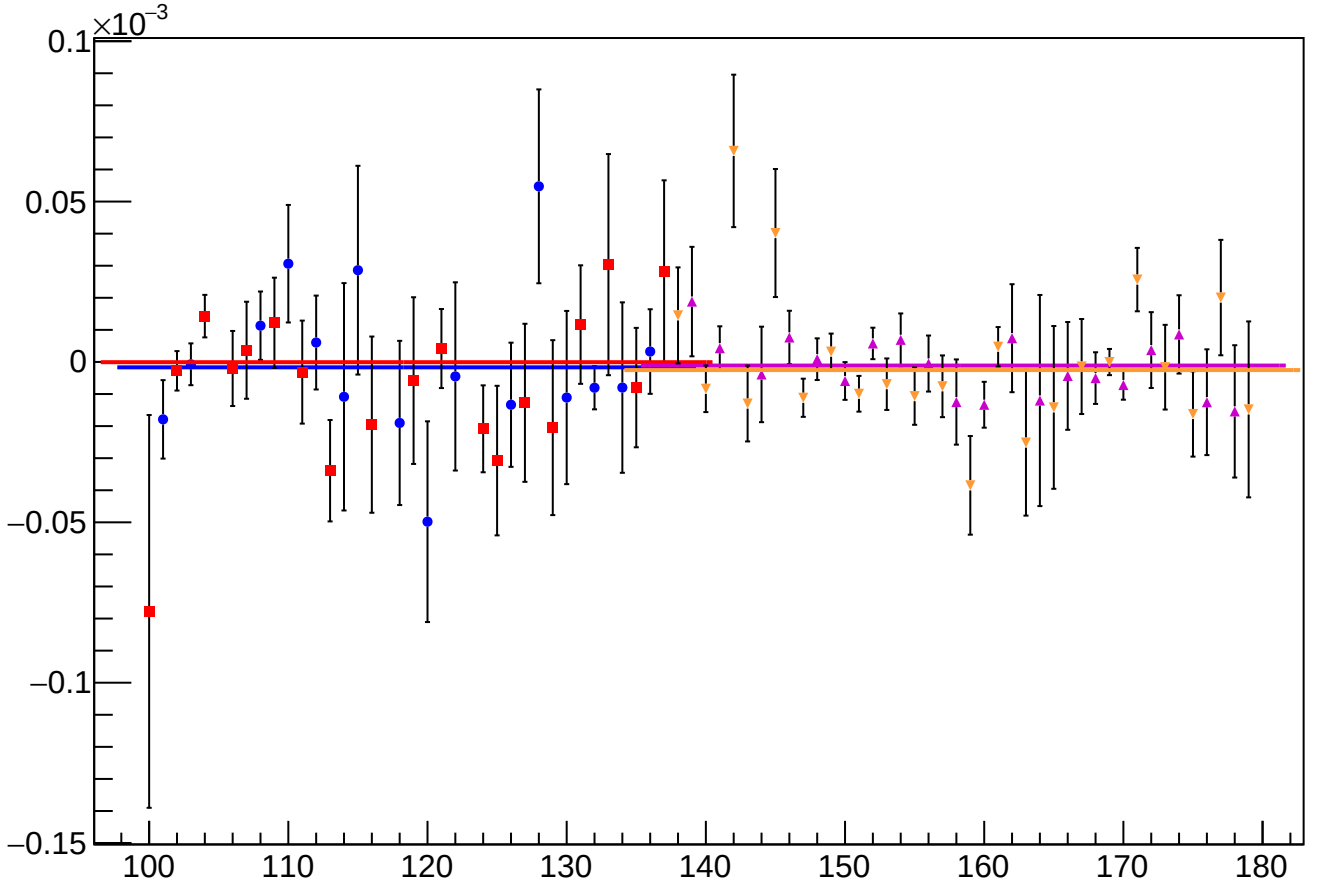
Right Out: 151.791+/-0.045 χ^2/NDF: 2315638.8/18

Left In: 293.949+/-0.054 χ^2/NDF:2121901.6/19

+ sign 224.279+/-0.036 χ^2/NDF: 8513836.1/37

All: 217.034+/-0.025 χ^2/NDF: 17085416.0/76

- sign 210.254+/-0.035 χ^2/NDF: 8492763.9/38



Right In: -0.000+/-0.000 χ^2/NDF: 15.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:41.3/21

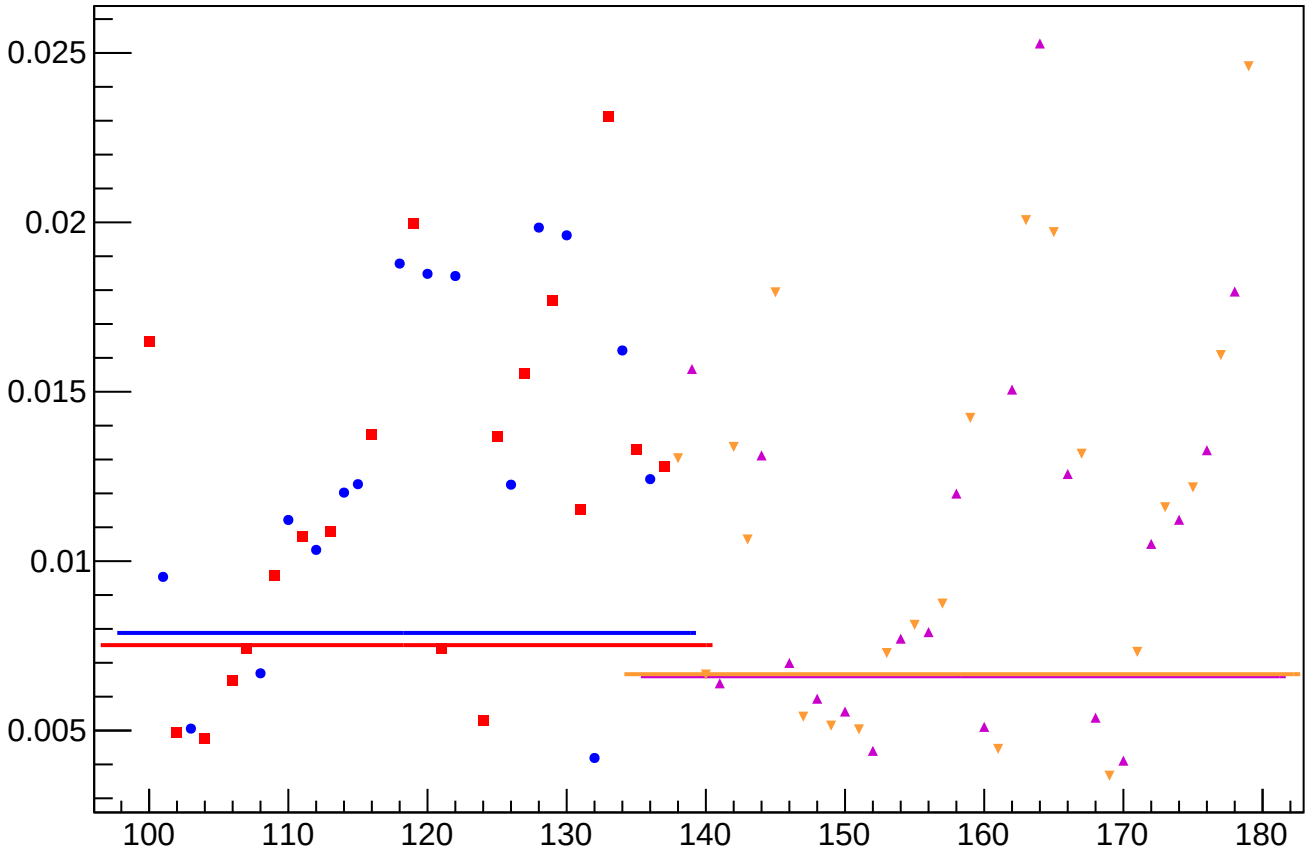
Right Out: -0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: -0.000+/-0.000 χ^2/NDF:14.7/19

+ sign -0.000+/-0.000 χ^2/NDF: 56.8/37

All: -0.000+/-0.000 χ^2/NDF: 91.9/76

- sign -0.000+/-0.000 χ^2/NDF: 34.6/38



Right In: 0.008+/-0.000 χ^2/NDF: 3301734.3/15

Left Out: 0.007+/-0.000 χ^2/NDF:7413645.1/21

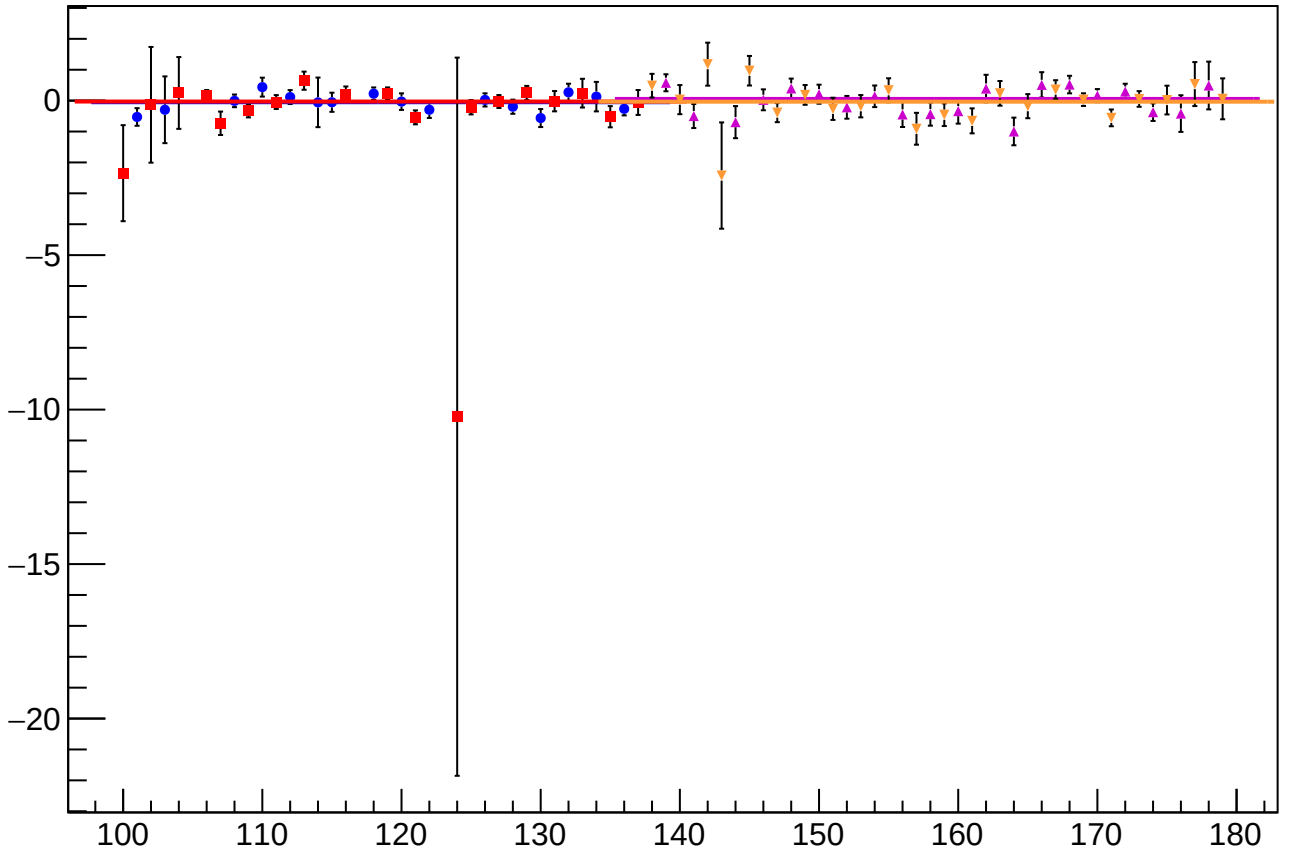
Right Out: 0.008+/-0.000 χ^2/NDF: 2975331.6/18

Left In: 0.007+/-0.000 χ^2/NDF:5418804.8/19

+ sign 0.007+/-0.000 χ^2/NDF: 10913026.9/37

All: 0.007+/-0.000 χ^2/NDF: 19437087.9/76

- sign 0.007+/-0.000 χ^2/NDF: 8520448.5/38



Right In: -0.051+/-0.067 χ^2/NDF: 14.9/15

Left Out: -0.034+/-0.078 χ^2/NDF:27.9/21

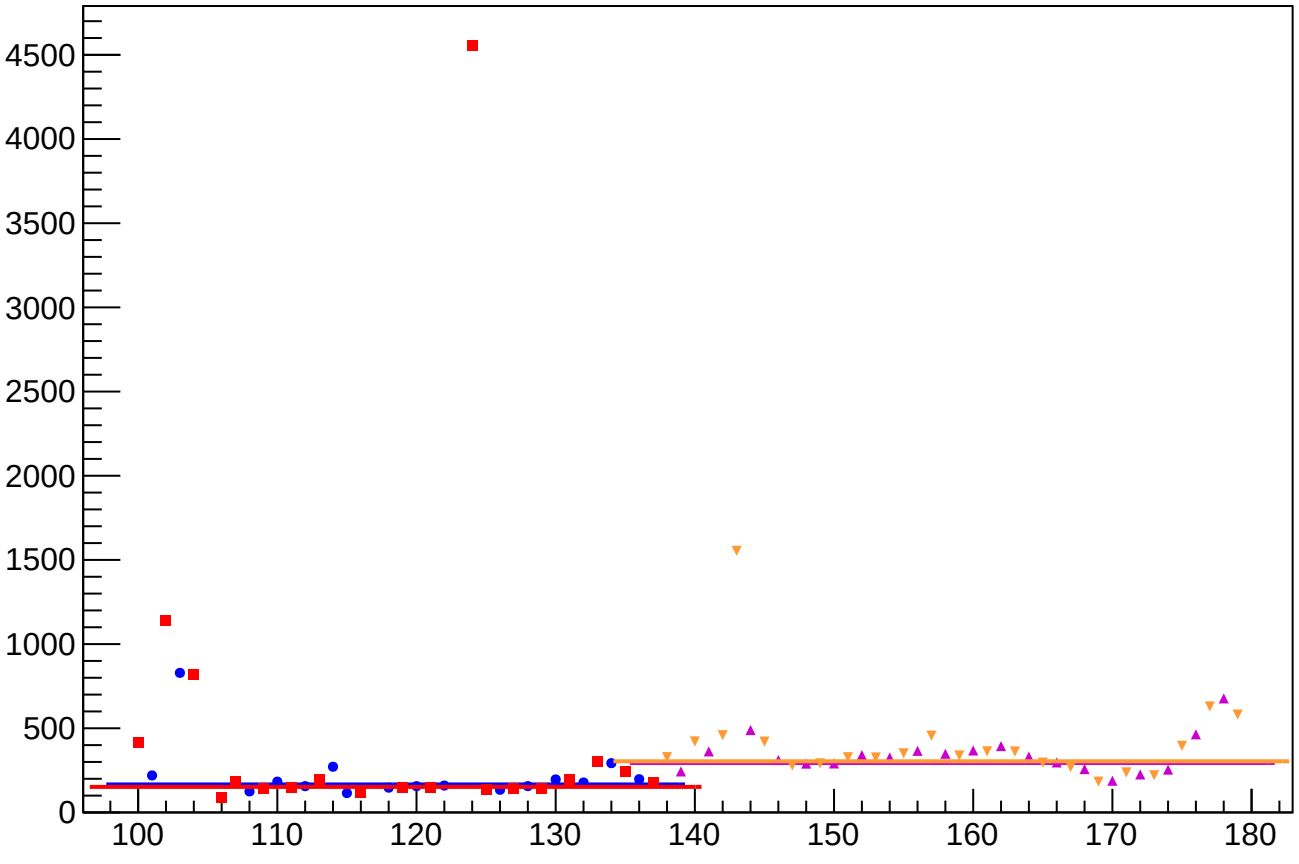
Right Out: -0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: 0.055+/-0.077 χ^2/NDF:28.3/19

+ sign -0.044+/-0.051 χ^2/NDF: 42.8/37

All: -0.018+/-0.035 χ^2/NDF: 99.9/76

- sign 0.006+/-0.049 χ^2/NDF: 56.5/38



Right In: 166.359+/-0.047 χ^2/NDF: 1282724.2/15

Left Out: 303.956+/-0.055 χ^2/NDF:3651650.8/21

Right Out: 151.790+/-0.045 χ^2/NDF: 2315641.8/18

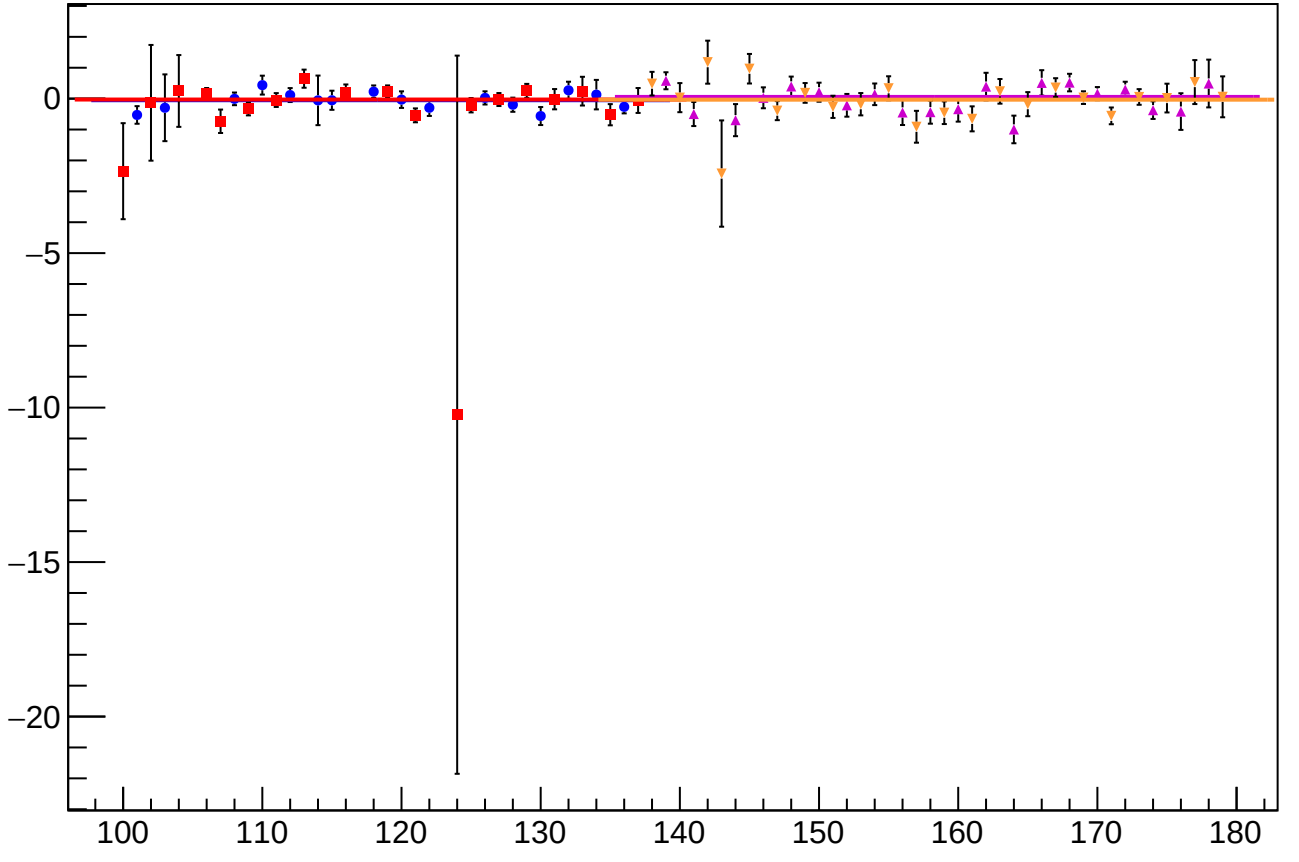
Left In: 293.951+/-0.054 χ^2/NDF:2122030.5/19

+ sign 224.278+/-0.036 χ^2/NDF: 8514070.6/37

All: 217.033+/-0.025 χ^2/NDF: 17085923.0/76

- sign 210.252+/-0.035 χ^2/NDF: 8493032.4/38

asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.051+/-0.067 χ^2/NDF: 14.9/15

Left Out: -0.034+/-0.078 χ^2/NDF:27.9/21

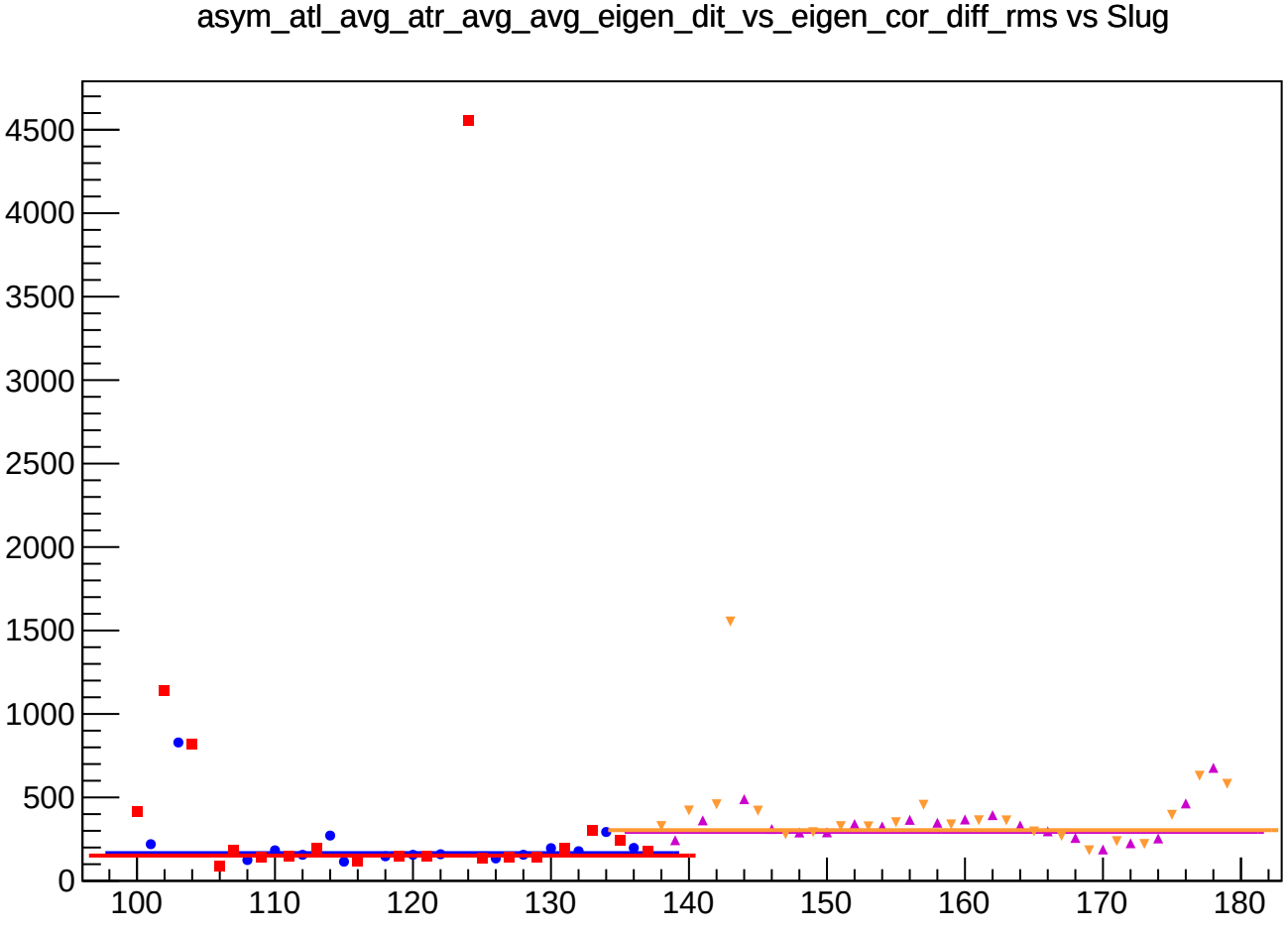
Right Out: -0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: 0.055+/-0.077 χ^2/NDF:28.3/19

+ sign -0.044+/-0.051 χ^2/NDF: 42.8/37

All: -0.018+/-0.035 χ^2/NDF: 99.9/76

- sign 0.006+/-0.049 χ^2/NDF: 56.5/38



Right In: 166.359+/-0.047 χ^2/NDF: 1282724.2/15

Left Out: 303.956+/-0.055 χ^2/NDF:3651650.8/21

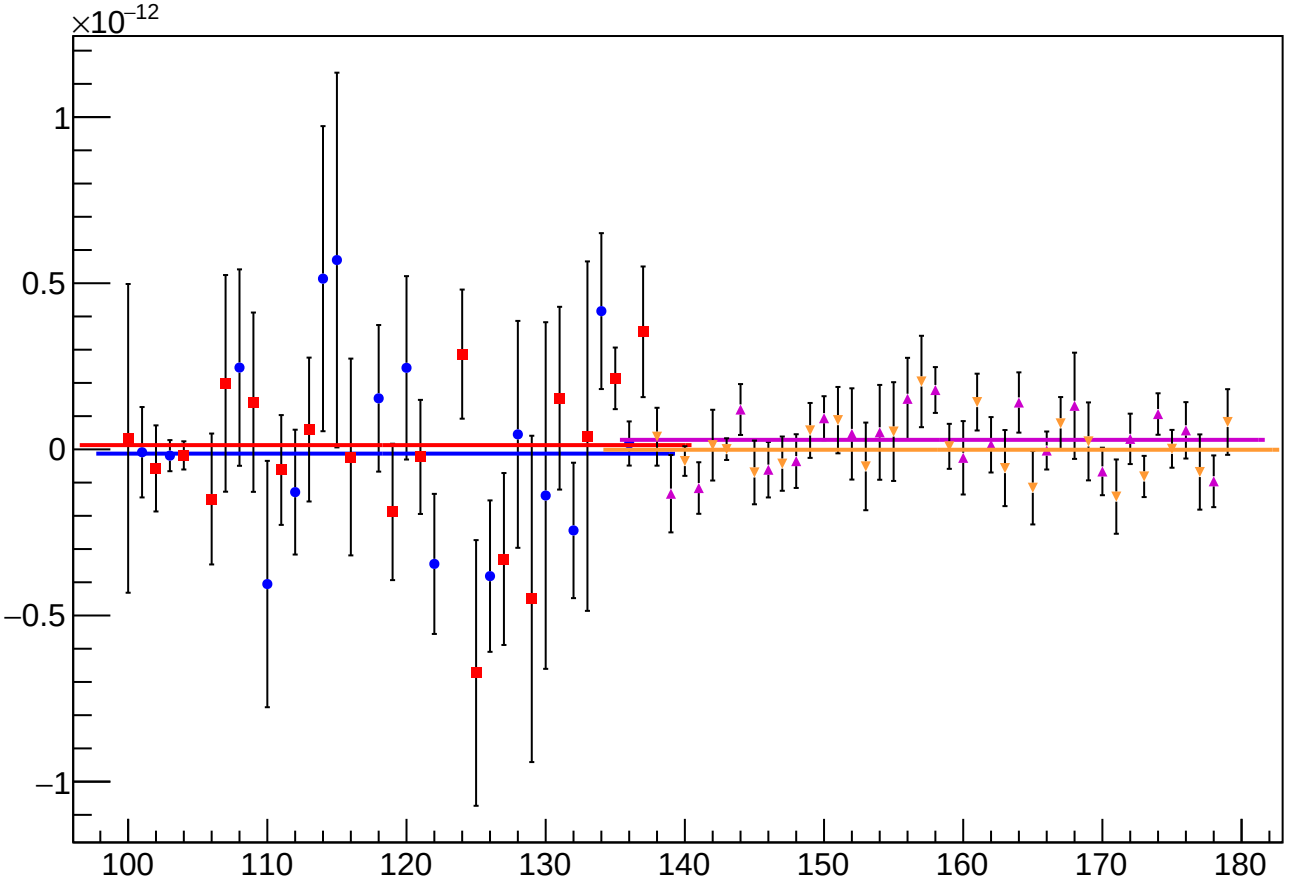
Right Out: 151.790+/-0.045 χ^2/NDF: 2315641.8/18

Left In: 293.951+/-0.054 χ^2/NDF:2122030.5/19

+ sign 224.278+/-0.036 χ^2/NDF: 8514070.6/37

All: 217.033+/-0.025 χ^2/NDF: 17085923.0/76

- sign 210.252+/-0.035 χ^2/NDF: 8493032.4/38



Right In: -0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.9/21

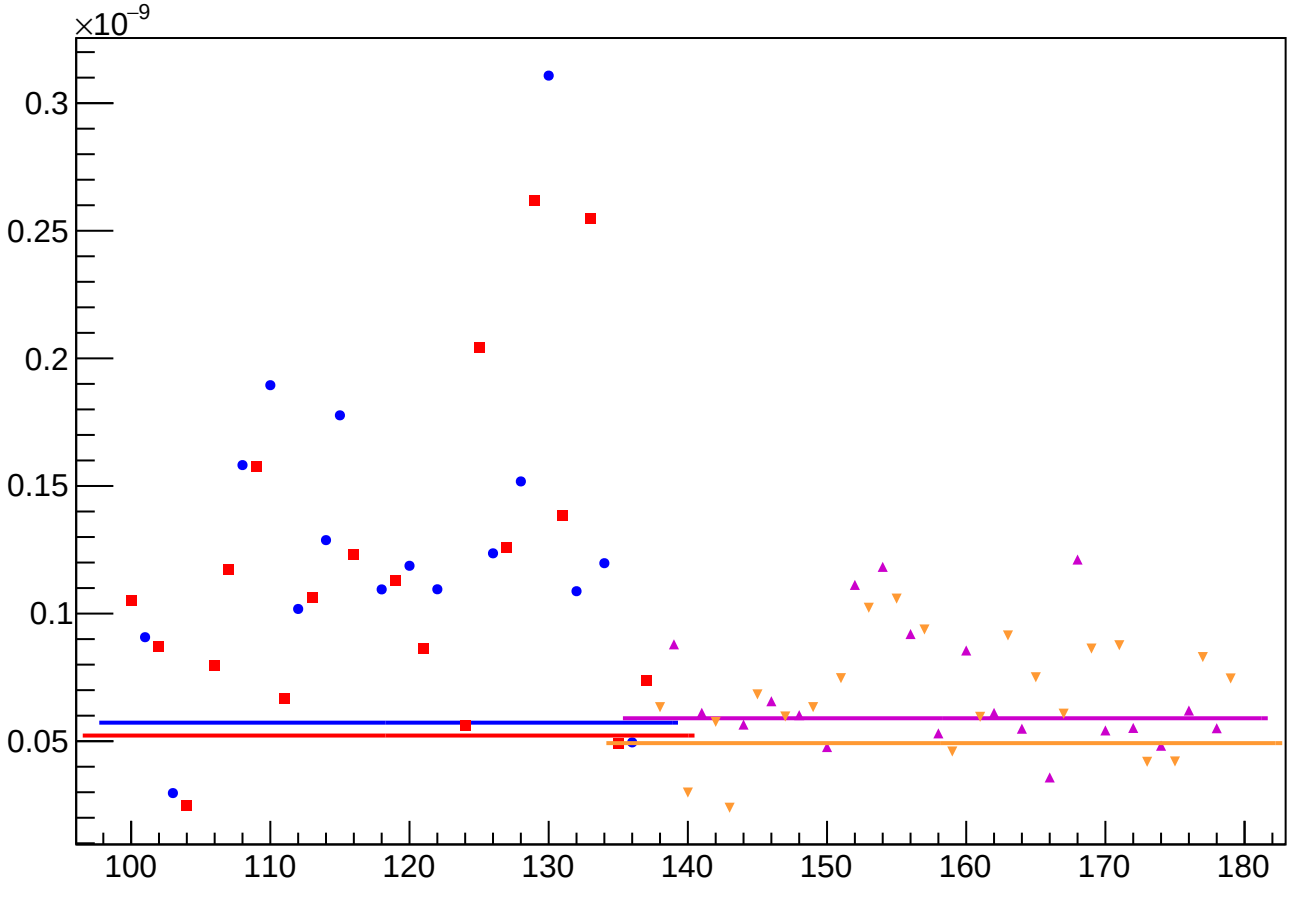
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: 0.000+/-0.000 χ^2/NDF:23.9/19

+ sign -0.000+/-0.000 χ^2/NDF: 31.1/37

All: 0.000+/-0.000 χ^2/NDF: 75.8/76

- sign 0.000+/-0.000 χ^2/NDF: 43.0/38



Right In: 0.000+/-0.000 χ^2/NDF: 2983121.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:4030245.4/21

Right Out: 0.000+/-0.000 χ^2/NDF: 3287828.4/18

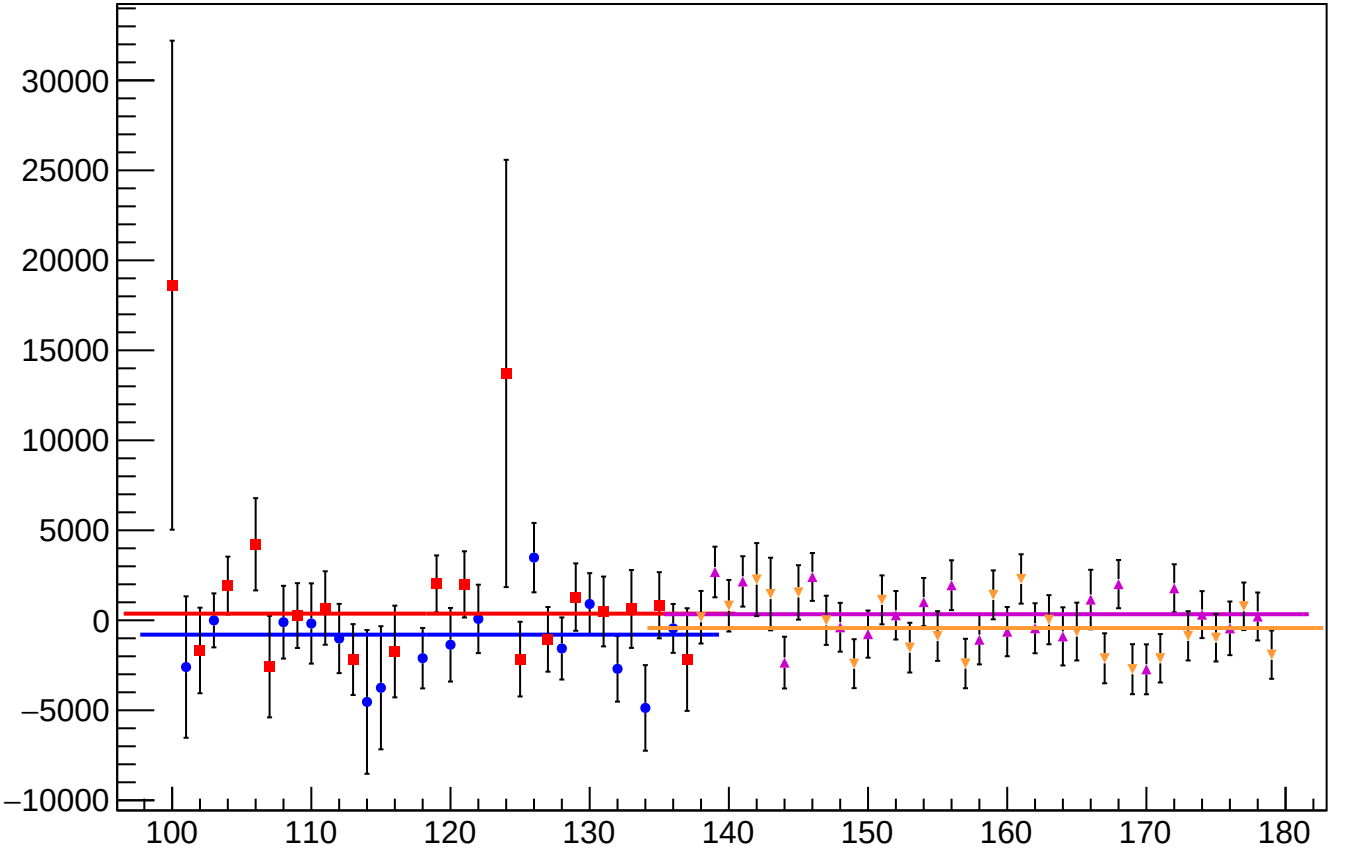
Left In: 0.000+/-0.000 χ^2/NDF:1825092.0/19

+ sign 0.000+/-0.000 χ^2/NDF: 7109310.1/37

All: 0.000+/-0.000 χ^2/NDF: 12473263.3/76

- sign 0.000+/-0.000 χ^2/NDF: 5181810.4/38

reg_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -797.285+/-487.453 χ^2/NDF: 13.4/15

Left Out: -430.217+/-302.828 χ^2/NDF:25.6/21

Right Out: 370.010+/-485.826 χ^2/NDF: 15.6/18

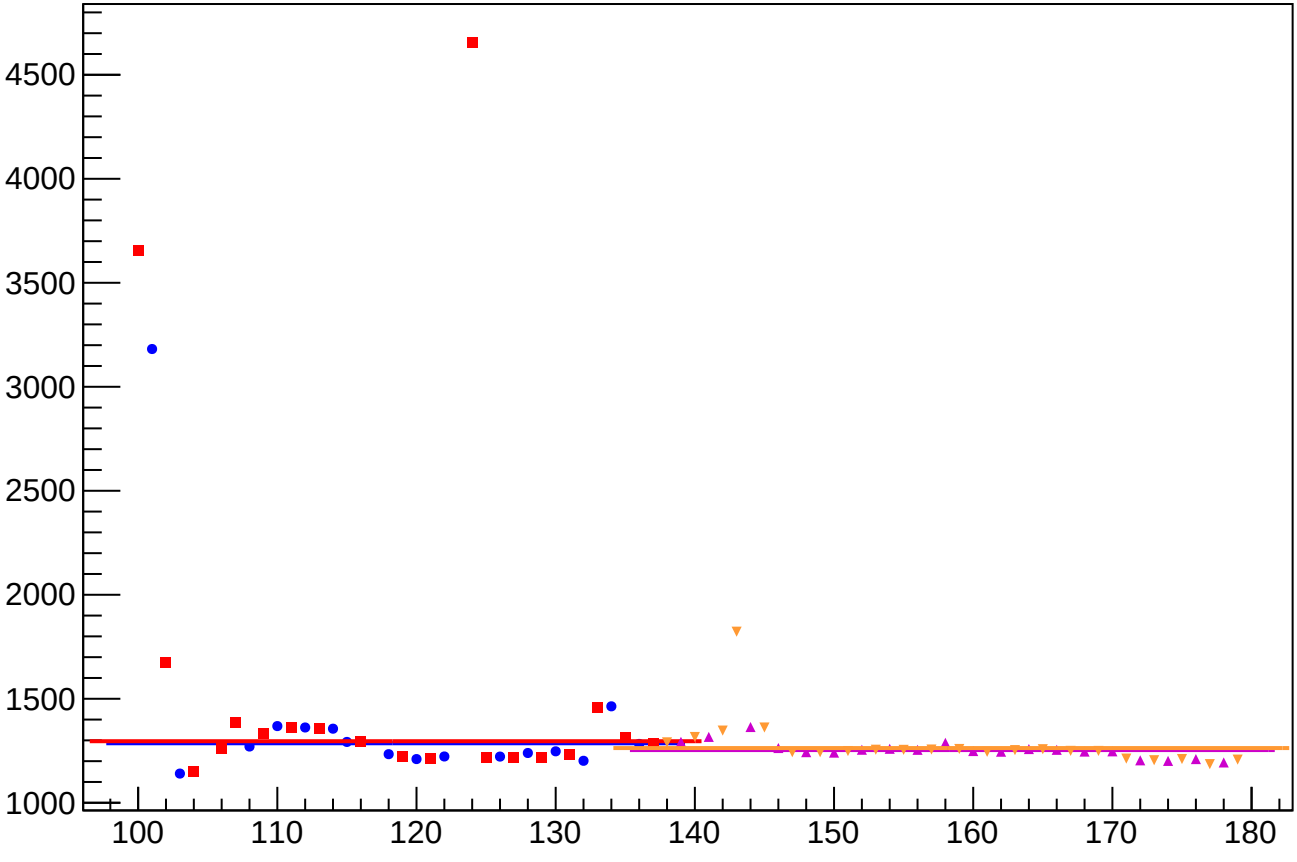
Left In: 337.553+/-310.167 χ^2/NDF:23.6/19

+ sign -532.434+/-257.231 χ^2/NDF: 39.4/37

All: -99.862+/-183.357 χ^2/NDF: 84.4/76

- sign 346.952+/-261.431 χ^2/NDF: 39.2/38

reg_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1286.097+/-0.345 χ^2/NDF: 518126.9/15

Left Out: 1262.975+/-0.214 χ^2/NDF:191424.8/21

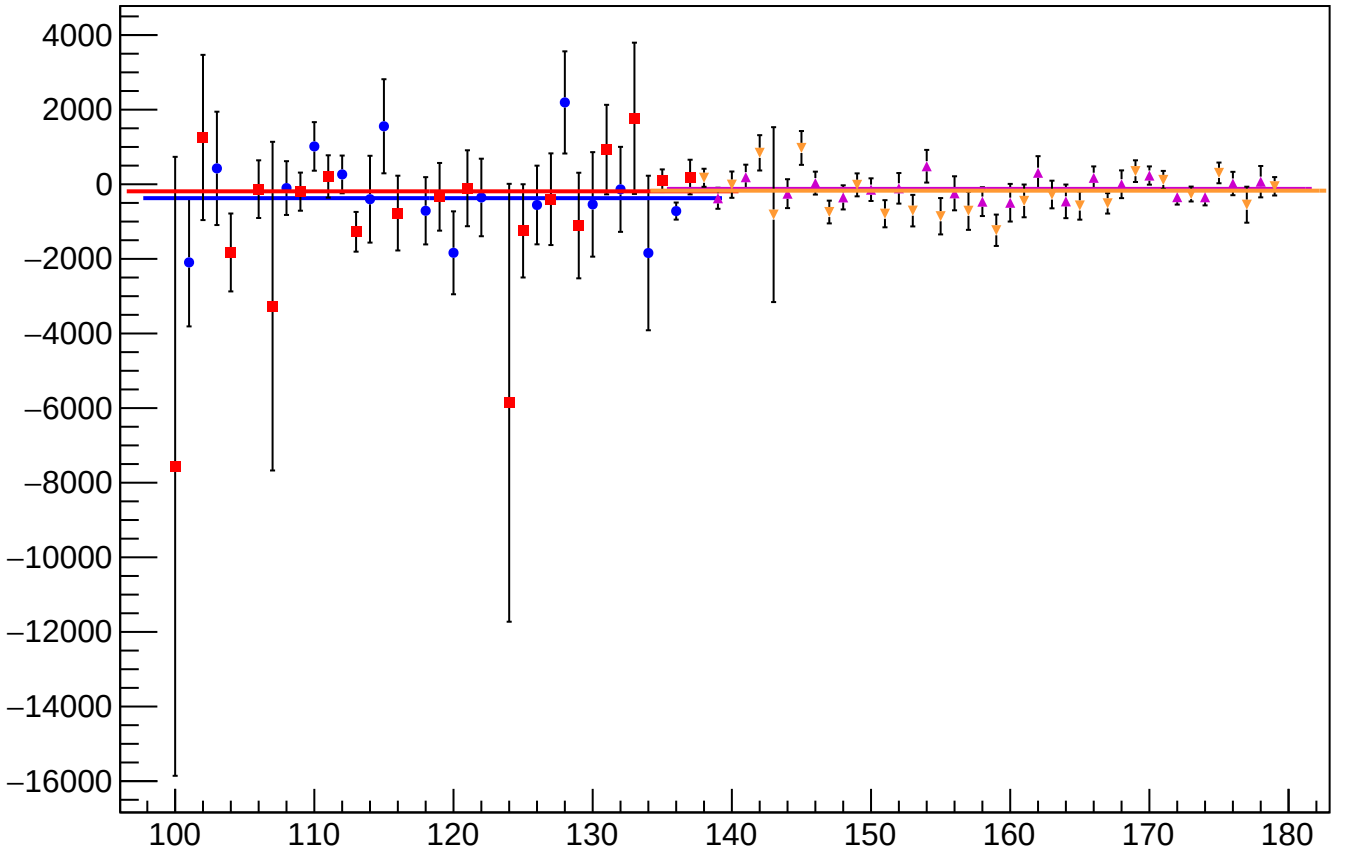
Right Out: 1295.943+/-0.344 χ^2/NDF: 328069.9/18

Left In: 1253.384+/-0.219 χ^2/NDF:31113.9/19

+ sign 1269.414+/-0.182 χ^2/NDF: 712798.5/37

All: 1267.591+/-0.130 χ^2/NDF: 1083090.3/76

- sign 1265.708+/-0.185 χ^2/NDF: 370087.5/38



Right In: -372.325+/-168.204 χ^2/NDF: 18.2/15

Left Out: -171.625+/-70.139 χ^2/NDF:42.8/21

Right Out: -188.945+/-169.575 χ^2/NDF: 14.6/18

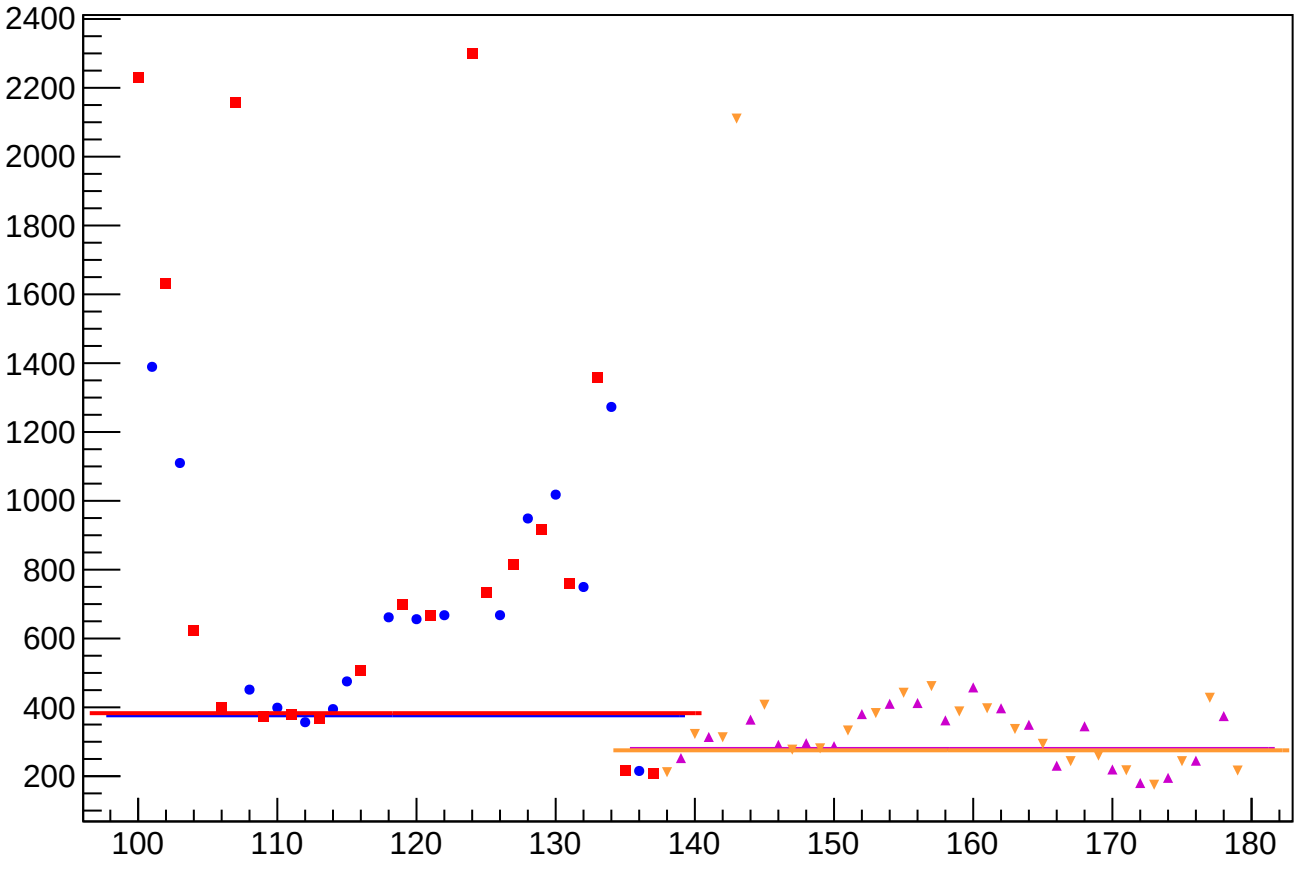
Left In: -123.878+/-72.178 χ^2/NDF:13.2/19

+ sign -201.353+/-64.736 χ^2/NDF: 62.1/37

All: -168.468+/-46.357 χ^2/NDF: 90.6/76

- sign -133.858+/-66.412 χ^2/NDF: 28.0/38

asym_atl_avg_atr_avg_dd_reg_correction_rms vs Slug



Right In: 376.893+/-0.119 χ^2/NDF: 4190194.7/15

Left Out: 275.146+/-0.050 χ^2/NDF:3615699.4/21

Right Out: 383.074+/-0.120 χ^2/NDF: 4054121.5/18

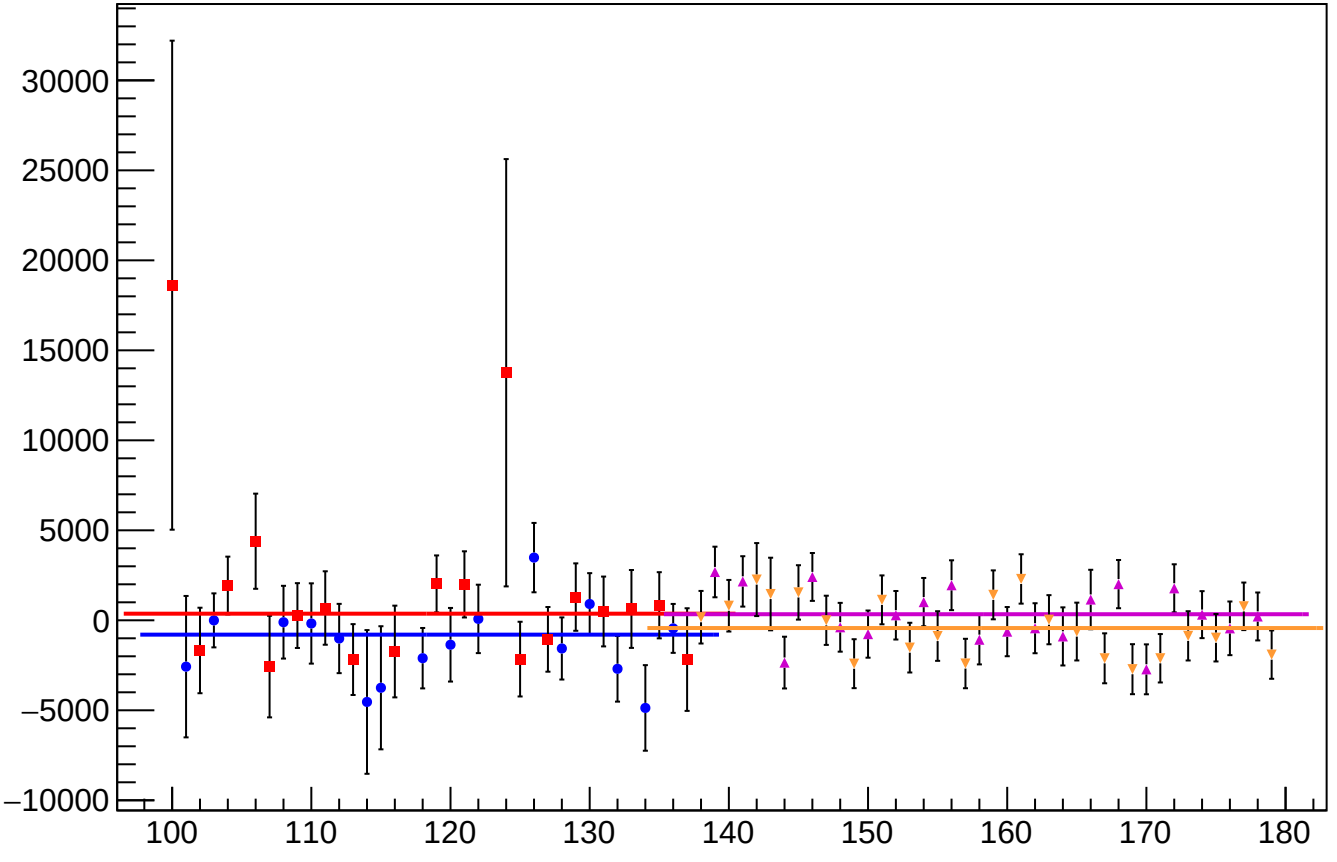
Left In: 279.102+/-0.051 χ^2/NDF:2292660.1/19

+ sign 290.217+/-0.046 χ^2/NDF: 8429301.5/37

All: 292.572+/-0.033 χ^2/NDF: 15418043.6/76

- sign 295.050+/-0.047 χ^2/NDF: 6983312.1/38

cor_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: -430.196+/-302.828 χ^2/NDF:25.6/21

Right Out: 367.476+/-486.348 χ^2/NDF: 15.7/18

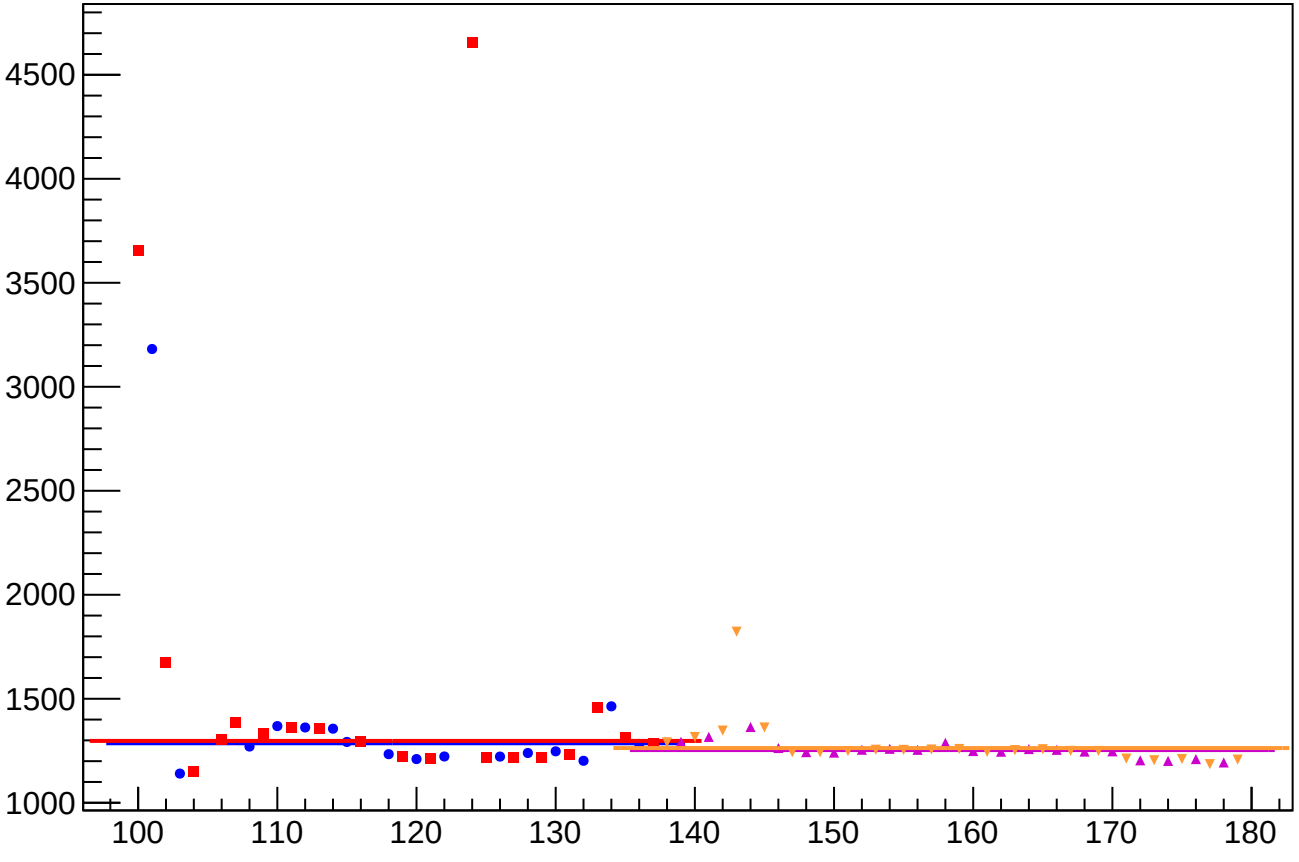
Left In: 337.523+/-310.167 χ^2/NDF:23.6/19

+ sign -532.308+/-257.231 χ^2/NDF: 39.4/37

All: -100.312+/-183.385 χ^2/NDF: 84.4/76

- sign 346.183+/-261.512 χ^2/NDF: 39.3/38

cor_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1262.976+/-0.214 χ^2/NDF:191424.8/21

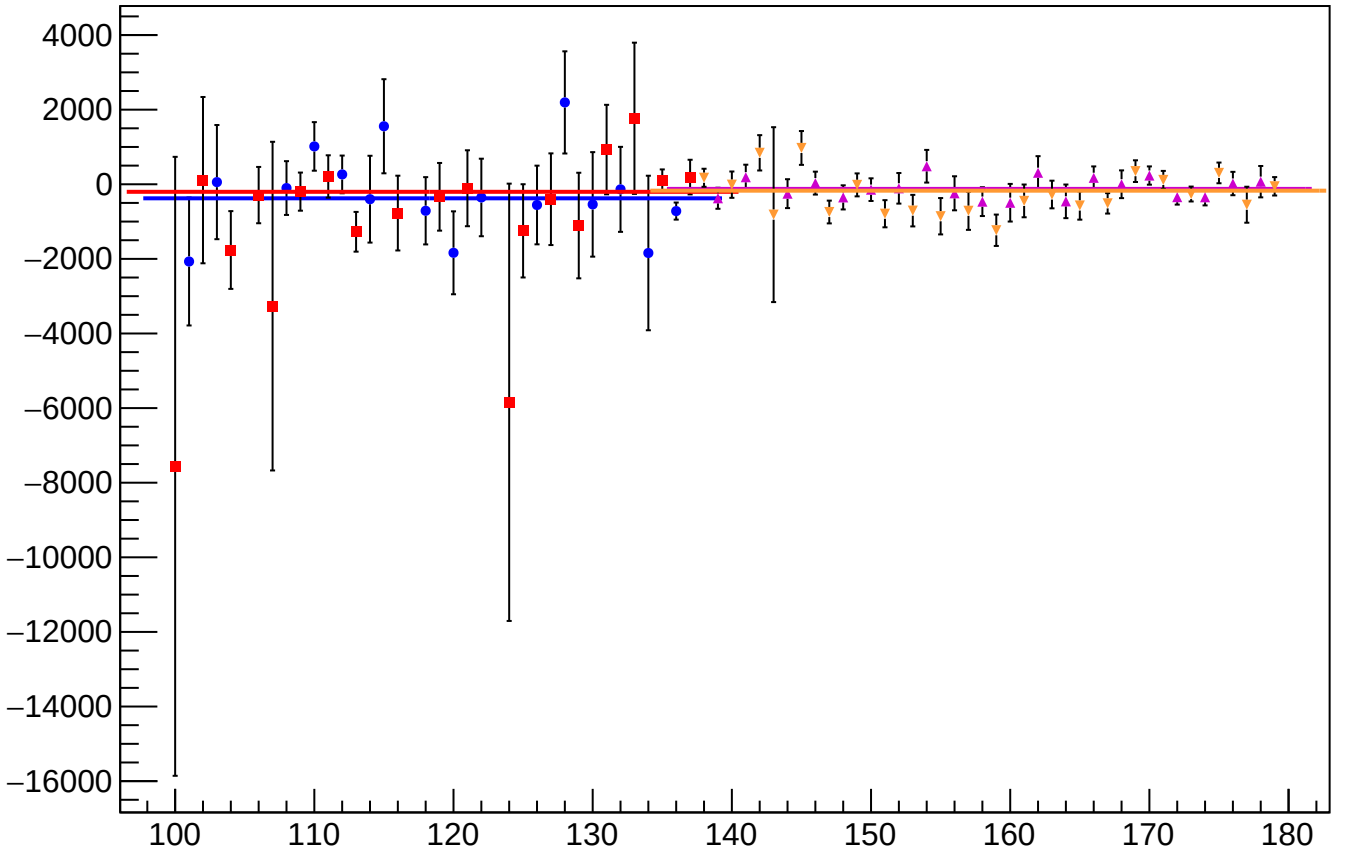
Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1253.384+/-0.219 χ^2/NDF:31113.9/19

+ sign 1269.414+/-0.182 χ^2/NDF: 712799.9/37

All: 1267.789+/-0.130 χ^2/NDF: 1083460.0/76

- sign 1266.108+/-0.185 χ^2/NDF: 370497.7/38



Right In: -376.771+/-168.223 χ^2/NDF: 17.9/15

Left Out: -171.653+/-70.141 χ^2/NDF:42.8/21

Right Out: -202.144+/-169.377 χ^2/NDF: 14.0/18

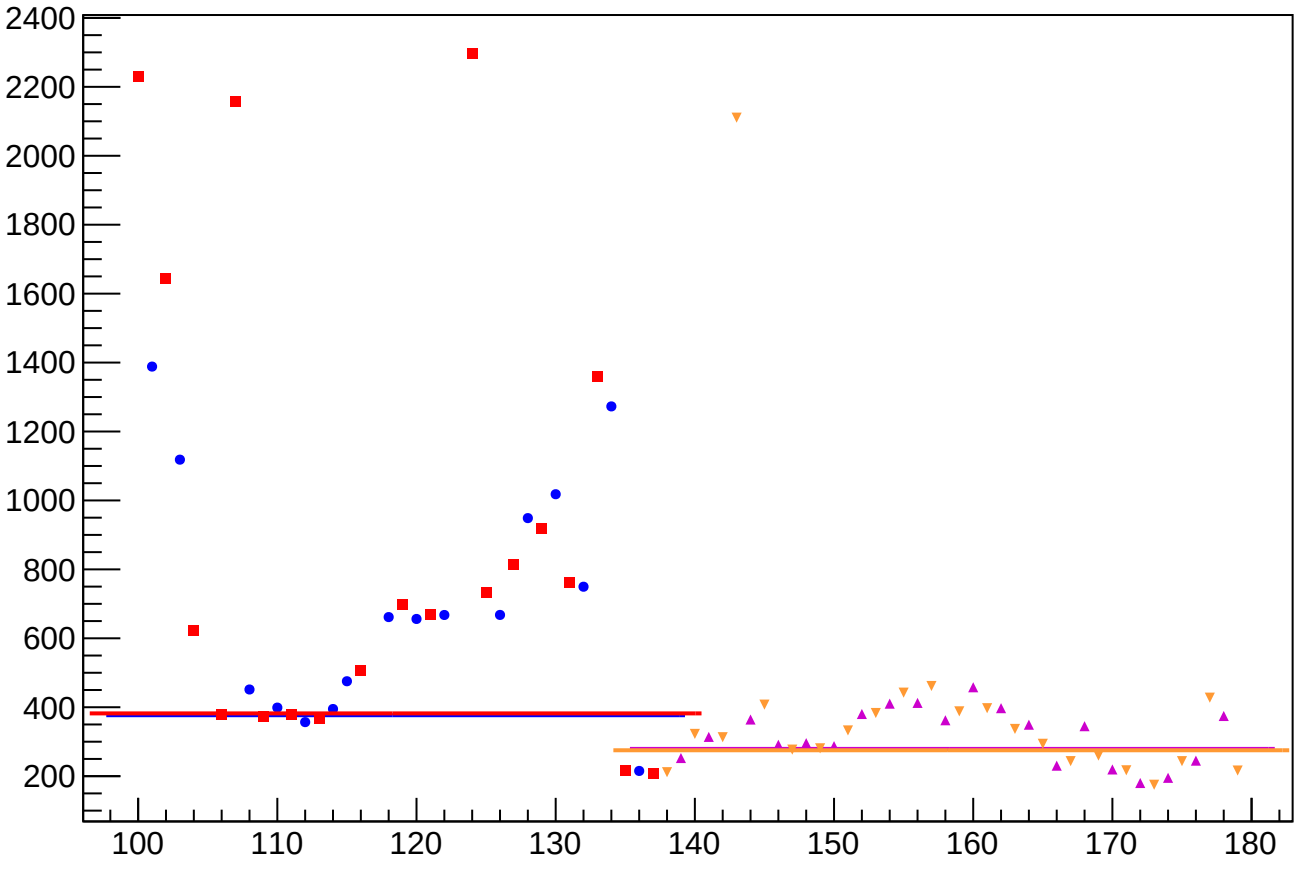
Left In: -123.963+/-72.180 χ^2/NDF:13.2/19

+ sign -202.031+/-64.739 χ^2/NDF: 62.0/37

All: -169.842+/-46.354 χ^2/NDF: 89.9/76

- sign -135.978+/-66.402 χ^2/NDF: 27.4/38

asym_atl_avg_atr_avg_dd_cor_correction_rms vs Slug



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 275.158+/-0.050 χ^2/NDF:3615319.1/21

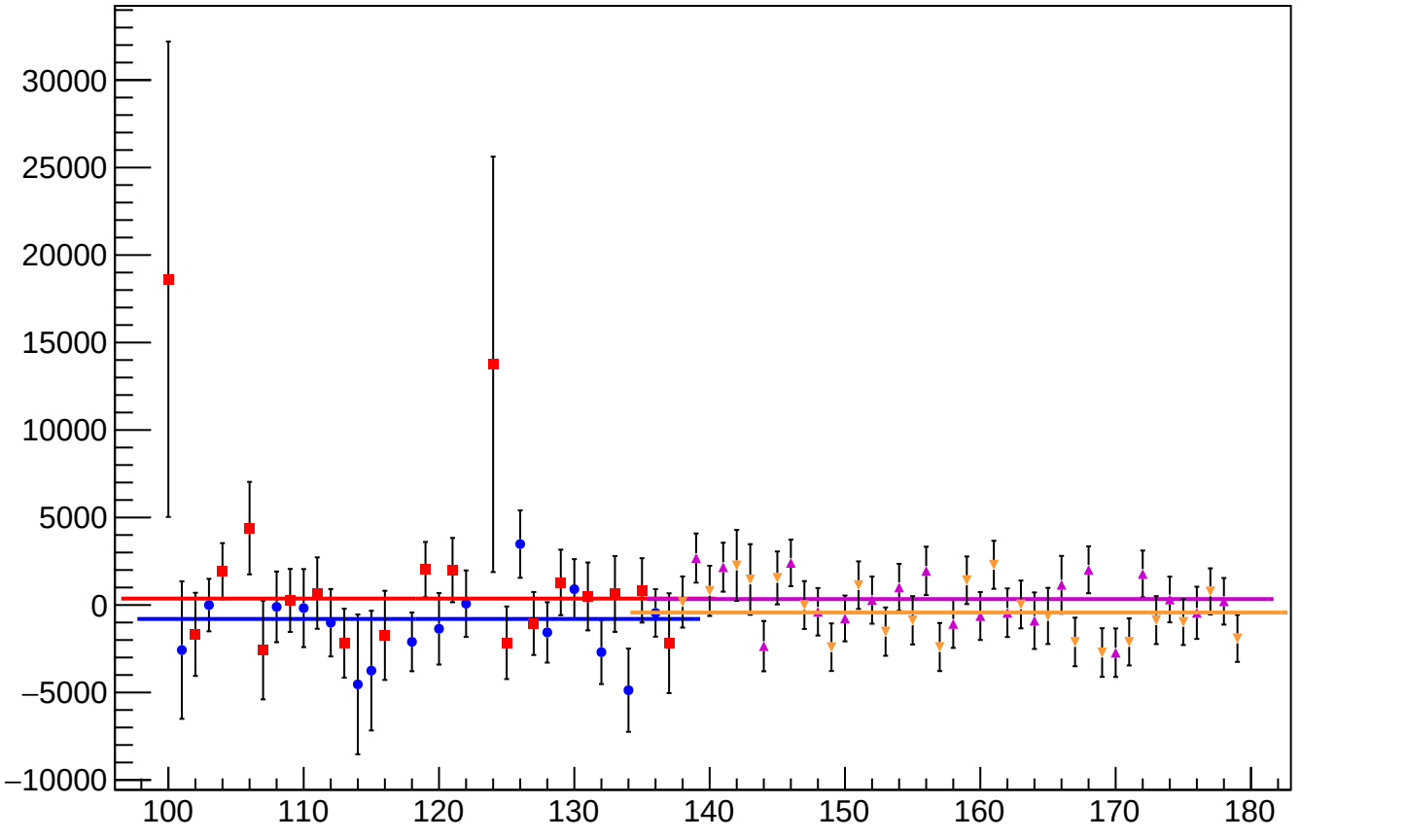
Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 279.109+/-0.051 χ^2/NDF:2292490.1/19

+ sign 290.224+/-0.046 χ^2/NDF: 8431676.5/37

All: 292.524+/-0.033 χ^2/NDF: 15415199.3/76

- sign 294.943+/-0.047 χ^2/NDF: 6978342.8/38



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: -430.196+/-302.828 χ^2/NDF:25.6/21

Right Out: 367.476+/-486.348 χ^2/NDF: 15.7/18

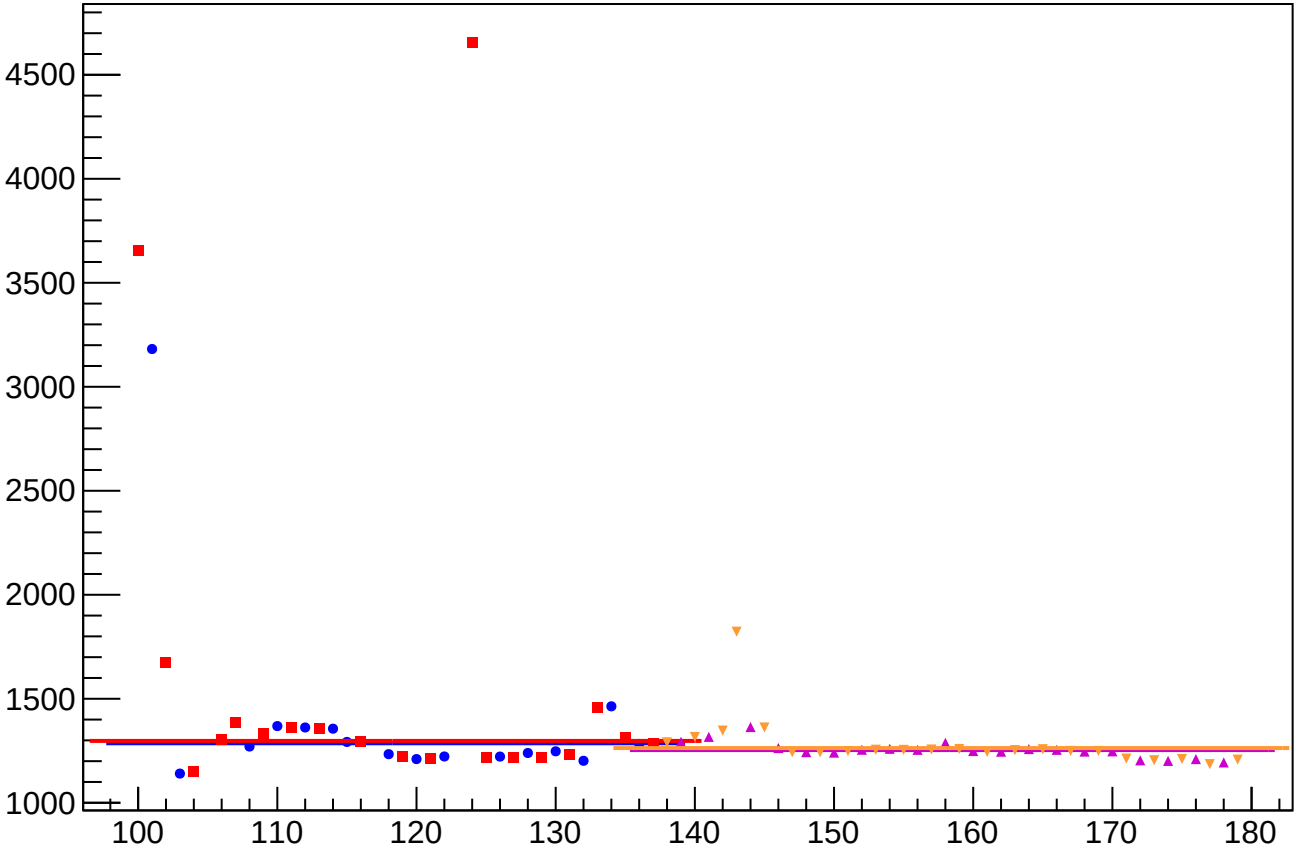
Left In: 337.523+/-310.167 χ^2/NDF:23.6/19

+ sign -532.308+/-257.231 χ^2/NDF: 39.4/37

All: -100.312+/-183.385 χ^2/NDF: 84.4/76

- sign 346.183+/-261.512 χ^2/NDF: 39.3/38

eigen_cor_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1262.976+/-0.214 χ^2/NDF:191424.8/21

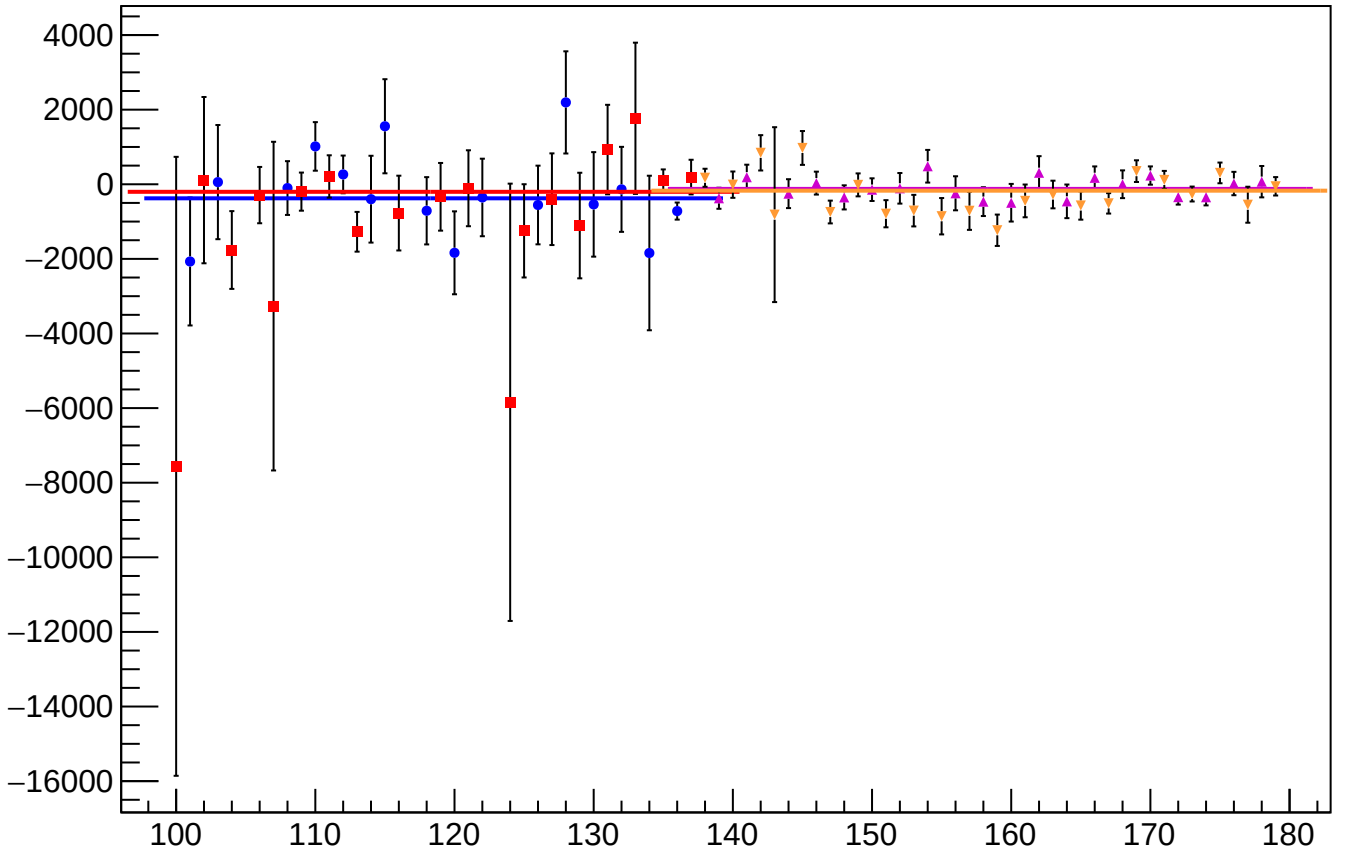
Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1253.384+/-0.219 χ^2/NDF:31113.9/19

+ sign 1269.414+/-0.182 χ^2/NDF: 712799.9/37

All: 1267.789+/-0.130 χ^2/NDF: 1083460.0/76

- sign 1266.108+/-0.185 χ^2/NDF: 370497.7/38



Right In: -376.771+/-168.223 χ^2/NDF: 17.9/15

Left Out: -171.653+/-70.141 χ^2/NDF:42.8/21

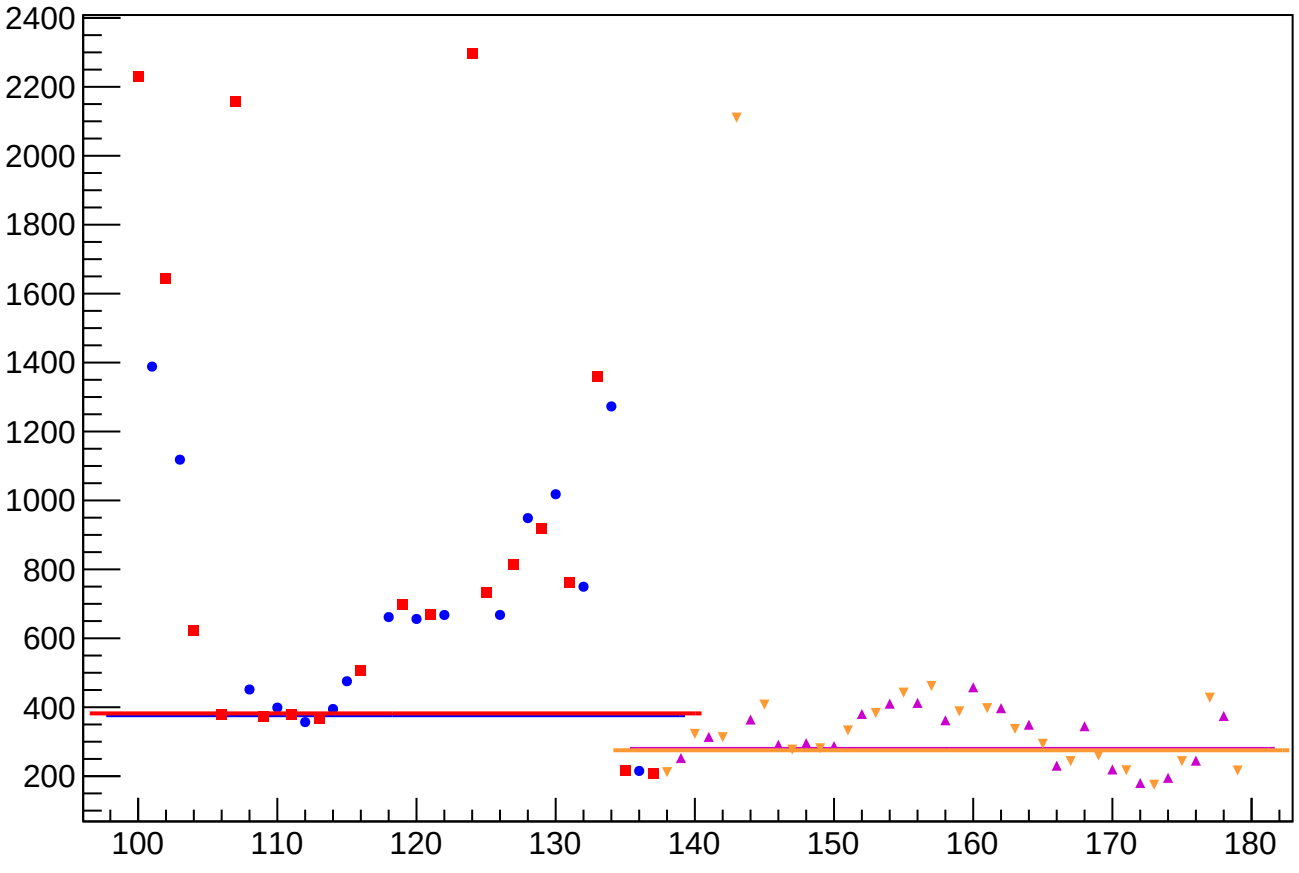
Right Out: -202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: -123.963+/-72.180 χ^2/NDF:13.2/19

+ sign -202.031+/-64.739 χ^2/NDF: 62.0/37

All: -169.842+/-46.354 χ^2/NDF: 89.9/76

- sign -135.978+/-66.402 χ^2/NDF: 27.4/38



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 275.158+/-0.050 χ^2/NDF:3615319.1/21

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

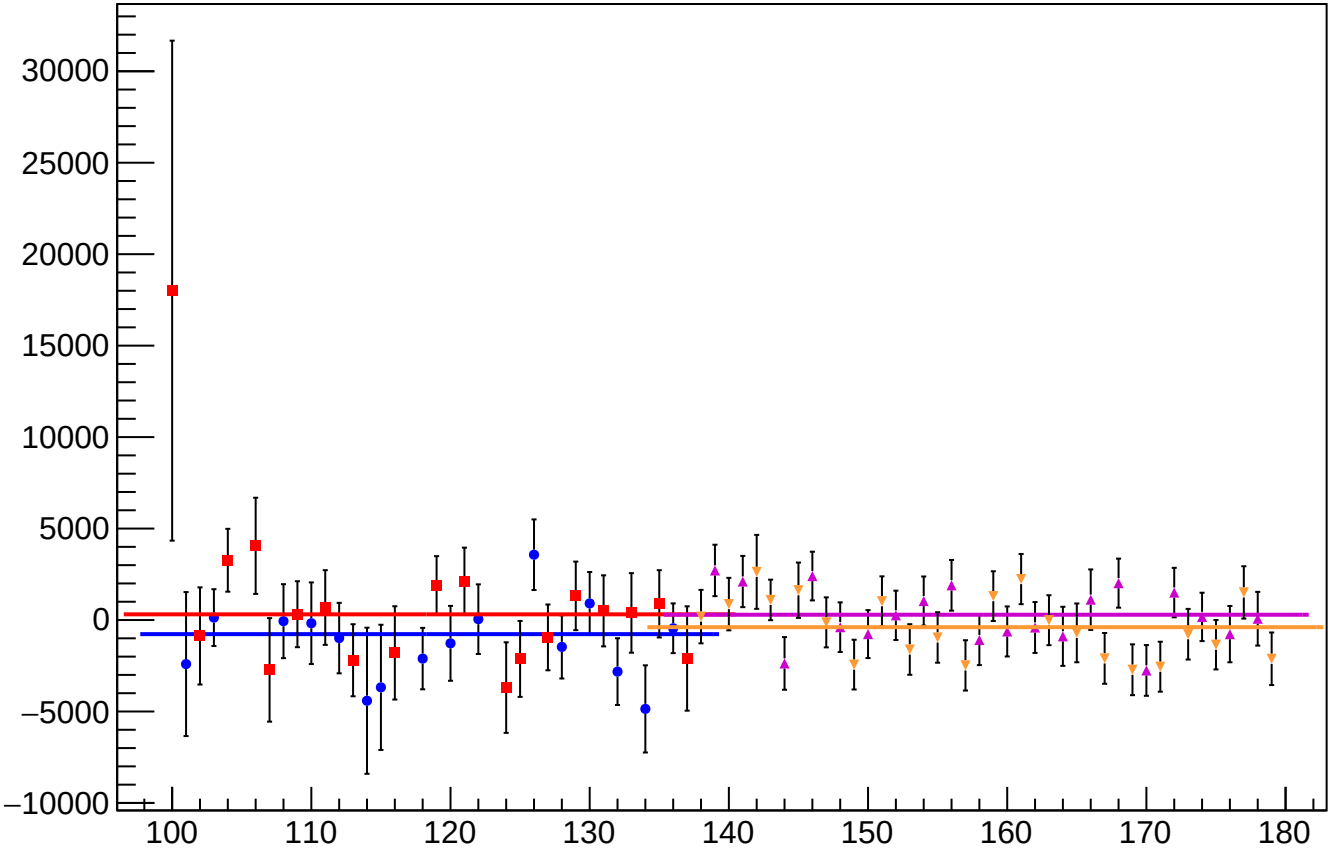
Left In: 279.109+/-0.051 χ^2/NDF:2292490.1/19

+ sign 290.224+/-0.046 χ^2/NDF: 8431676.5/37

All: 292.524+/-0.033 χ^2/NDF: 15415199.3/76

- sign 294.943+/-0.047 χ^2/NDF: 6978342.8/38

dit_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -771.499+/-489.602 χ^2/NDF: 13.6/15

Left Out: -391.037+/-298.059 χ^2/NDF:29.4/21

Right Out: 311.418+/-482.642 χ^2/NDF: 17.9/18

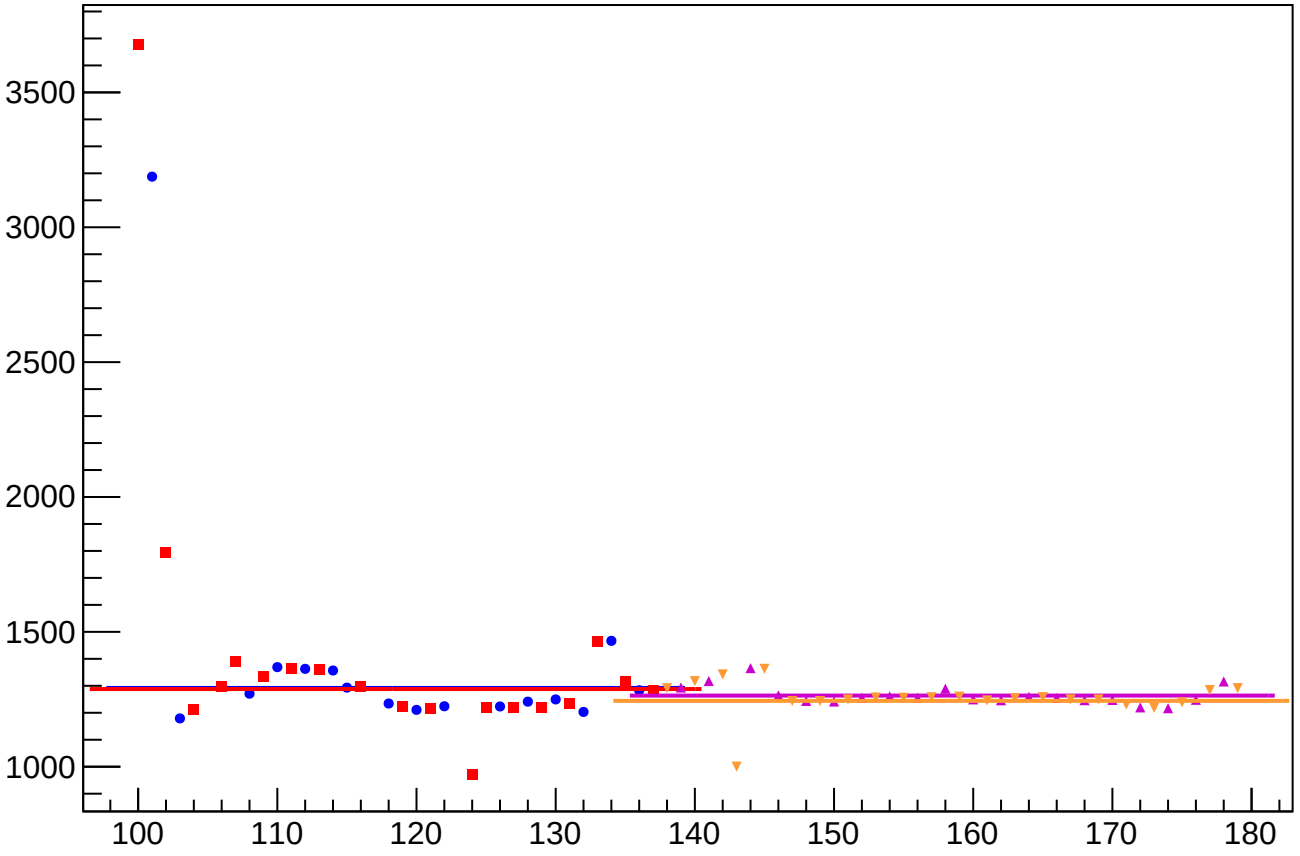
Left In: 288.852+/-312.718 χ^2/NDF:23.4/19

+ sign -493.913+/-254.592 χ^2/NDF: 43.4/37

All: -111.181+/-182.737 χ^2/NDF: 89.4/76

- sign 295.524+/-262.445 χ^2/NDF: 41.4/38

dit_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.3/15

Left Out: 1244.181+/-0.211 χ^2/NDF:127011.8/21

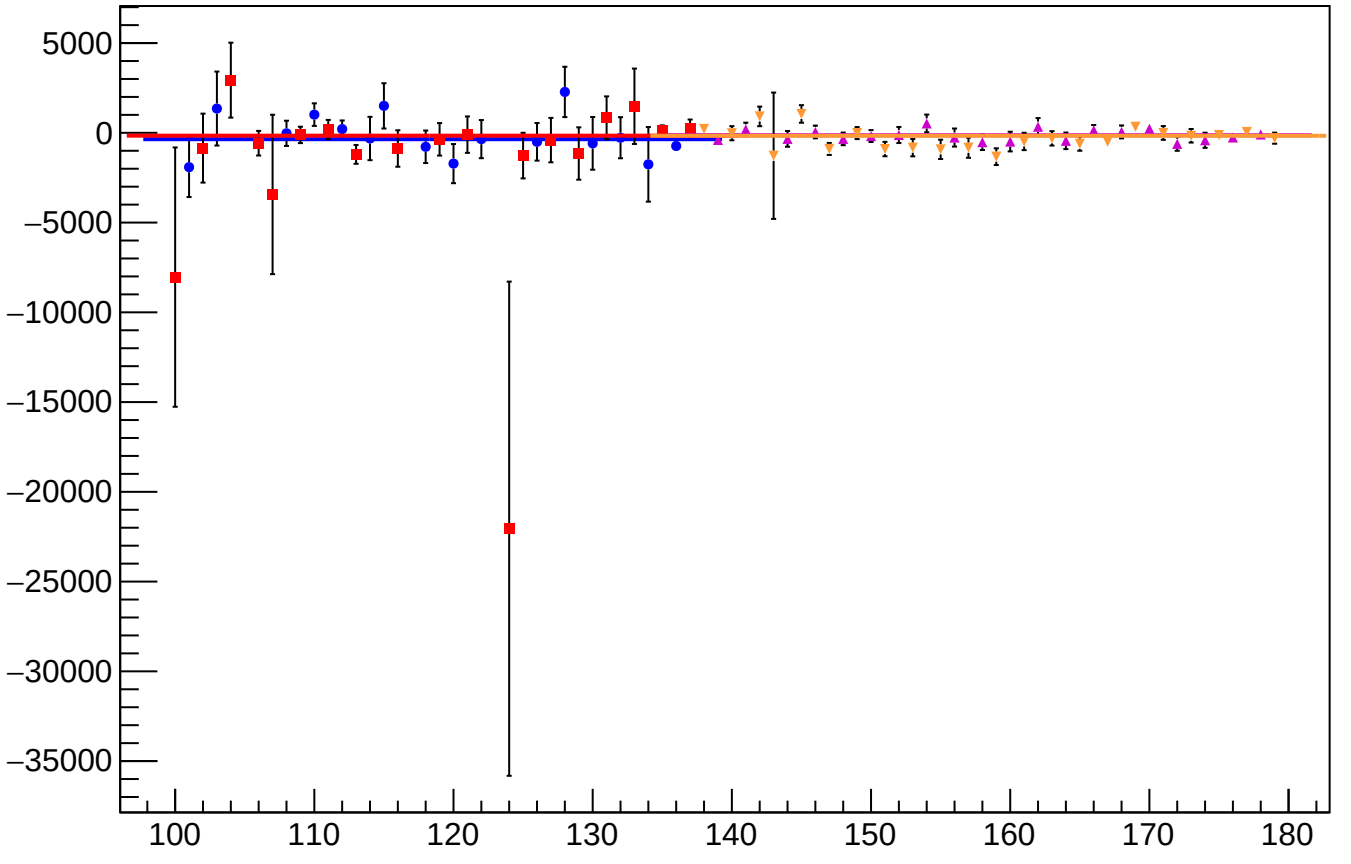
Right Out: 1287.988+/-0.341 χ^2/NDF: 209208.8/18

Left In: 1263.779+/-0.221 χ^2/NDF:24257.3/19

+ sign 1257.122+/-0.180 χ^2/NDF: 650359.6/37

All: 1263.820+/-0.129 χ^2/NDF: 890225.1/76

- sign 1270.937+/-0.186 χ^2/NDF: 237010.2/38



Right In: -355.226+/-169.971 χ^2/NDF: 18.4/15

Left Out: -164.211+/-67.513 χ^2/NDF:41.7/21

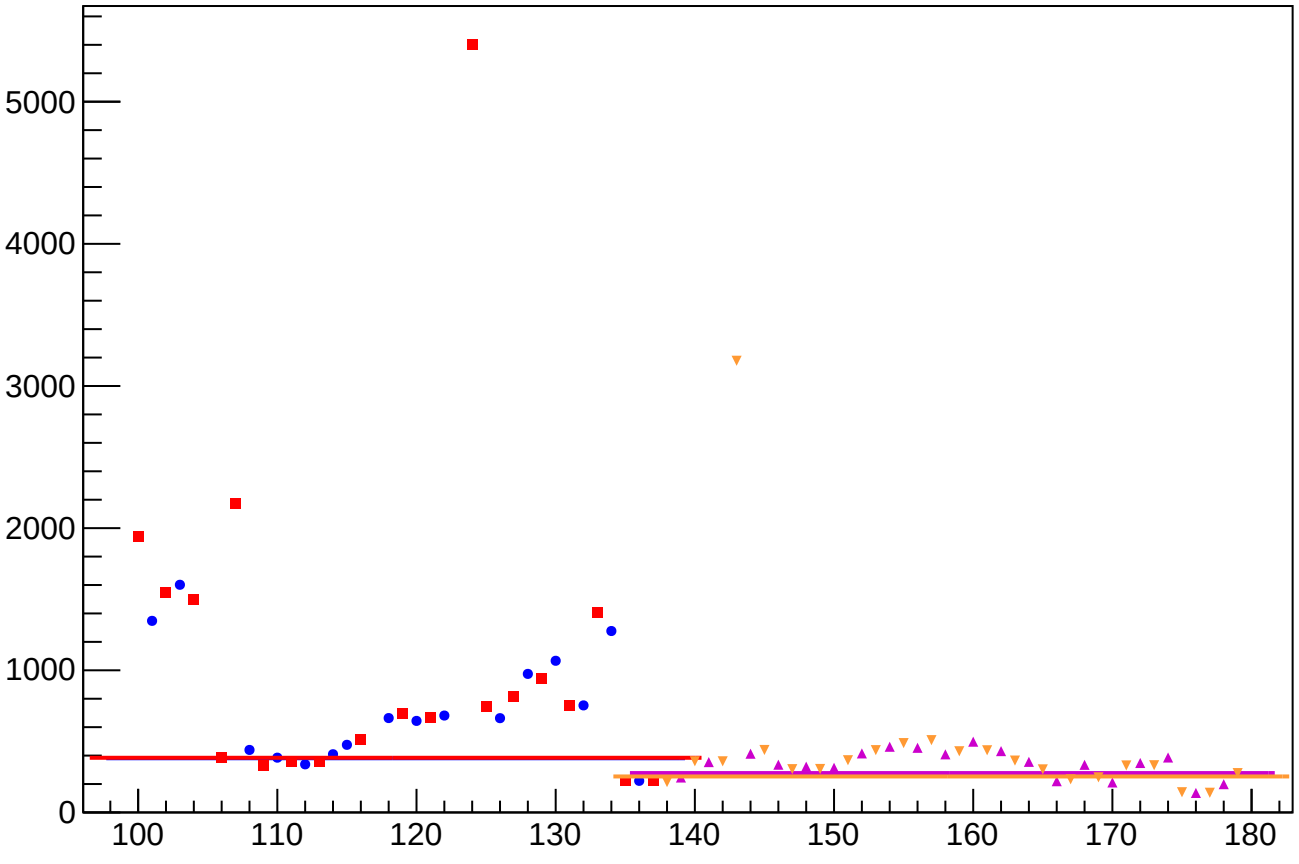
Right Out: -157.924+/-169.665 χ^2/NDF: 15.8/18

Left In: -135.587+/-73.662 χ^2/NDF:13.0/19

+ sign -190.241+/-62.745 χ^2/NDF: 61.3/37

All: -166.574+/-45.978 χ^2/NDF: 90.5/76

- sign -139.130+/-67.568 χ^2/NDF: 28.9/38



Right In: 381.349+/-0.120 χ^2/NDF: 4317922.6/15

Left Out: 253.247+/-0.048 χ^2/NDF:6289956.3/21

Right Out: 384.651+/-0.120 χ^2/NDF: 4560208.6/18

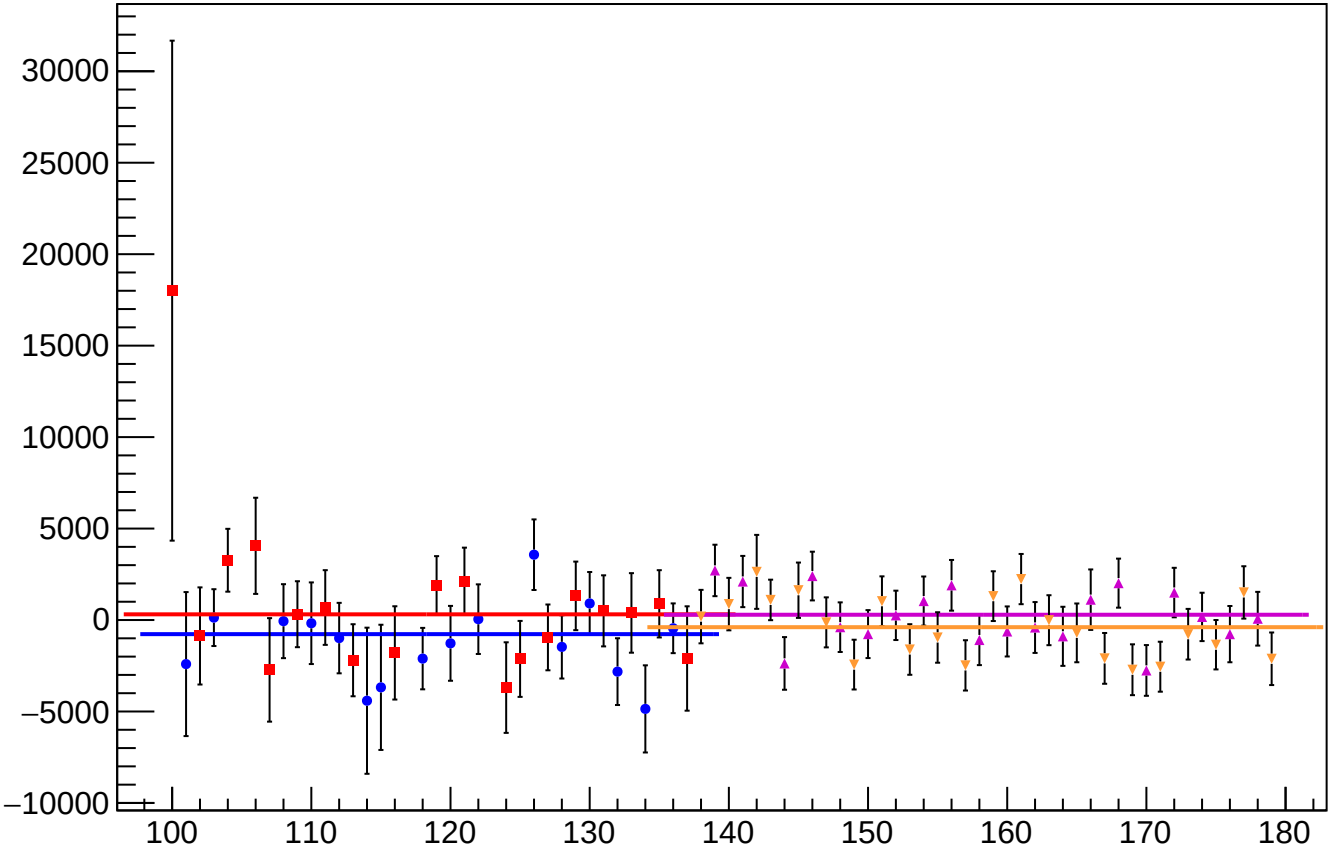
Left In: 277.021+/-0.052 χ^2/NDF:3988205.7/19

+ sign 270.704+/-0.044 χ^2/NDF: 11589113.4/37

All: 281.533+/-0.033 χ^2/NDF: 20943388.8/76

- sign 294.091+/-0.048 χ^2/NDF: 9225615.6/38

eigen_dit_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -771.501+/-489.602 χ^2/NDF: 13.6/15

Left Out: -391.036+/-298.059 χ^2/NDF:29.4/21

Right Out: 311.419+/-482.642 χ^2/NDF: 17.9/18

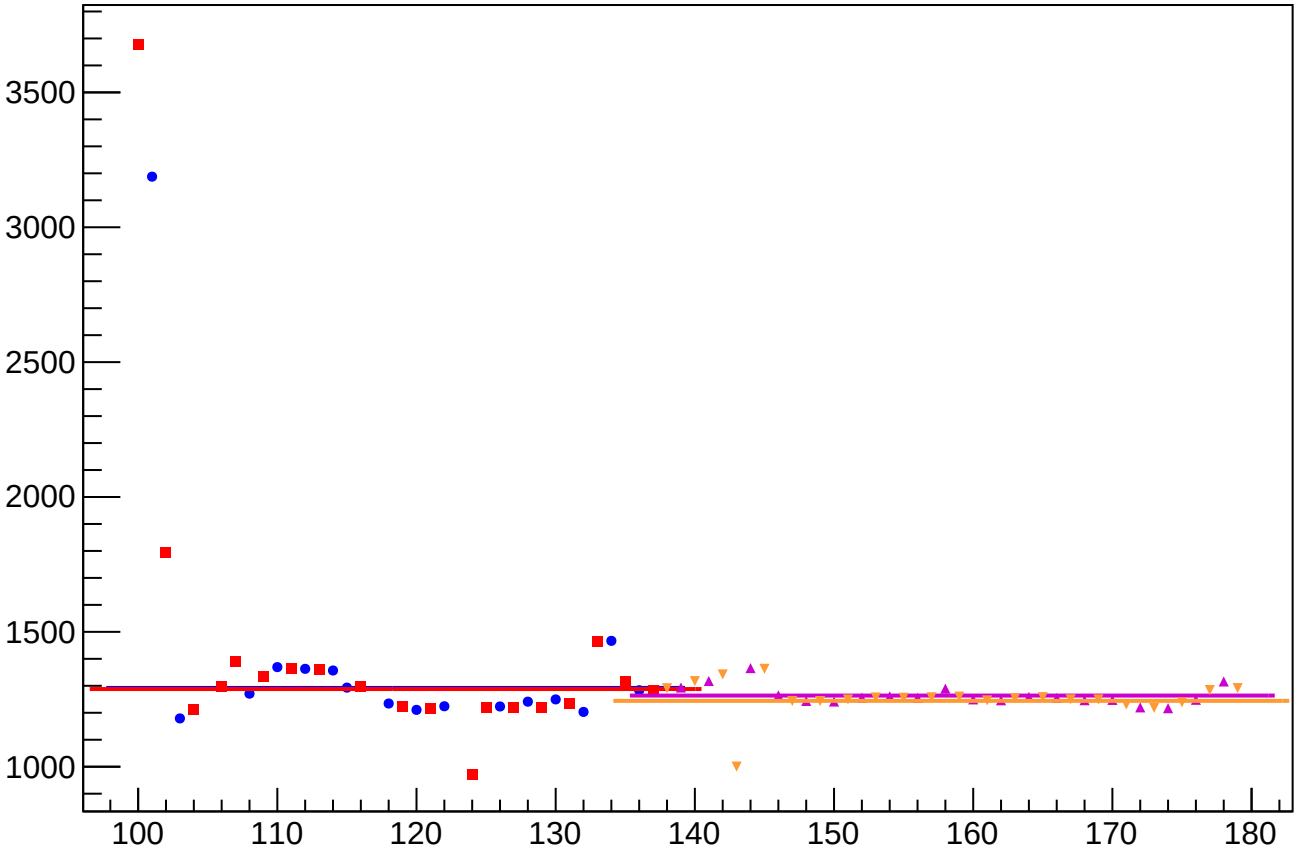
Left In: 288.853+/-312.718 χ^2/NDF:23.4/19

+ sign -493.913+/-254.592 χ^2/NDF: 43.4/37

All: -111.180+/-182.737 χ^2/NDF: 89.4/76

- sign 295.525+/-262.445 χ^2/NDF: 41.4/38

eigen_dit_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.2/15

Left Out: 1244.182+/-0.211 χ^2/NDF:127011.0/21

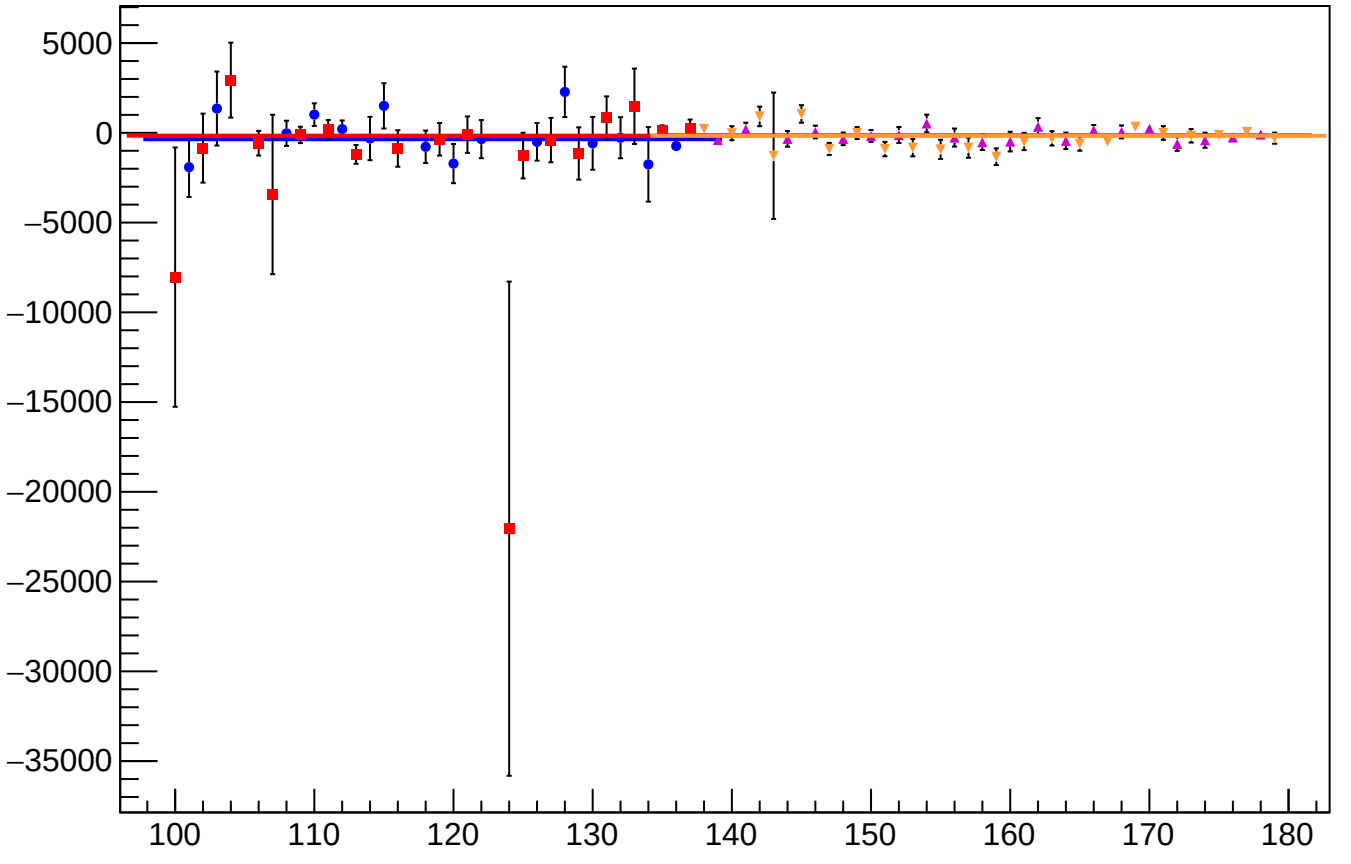
Right Out: 1287.988+/-0.341 χ^2/NDF: 209209.1/18

Left In: 1263.779+/-0.221 χ^2/NDF:24257.4/19

+ sign 1257.122+/-0.180 χ^2/NDF: 650358.7/37

All: 1263.820+/-0.129 χ^2/NDF: 890224.6/76

- sign 1270.937+/-0.186 χ^2/NDF: 237010.6/38



Right In: -355.226+/-169.973 χ^2/NDF: 18.4/15

Left Out: -164.215+/-67.513 χ^2/NDF:41.7/21

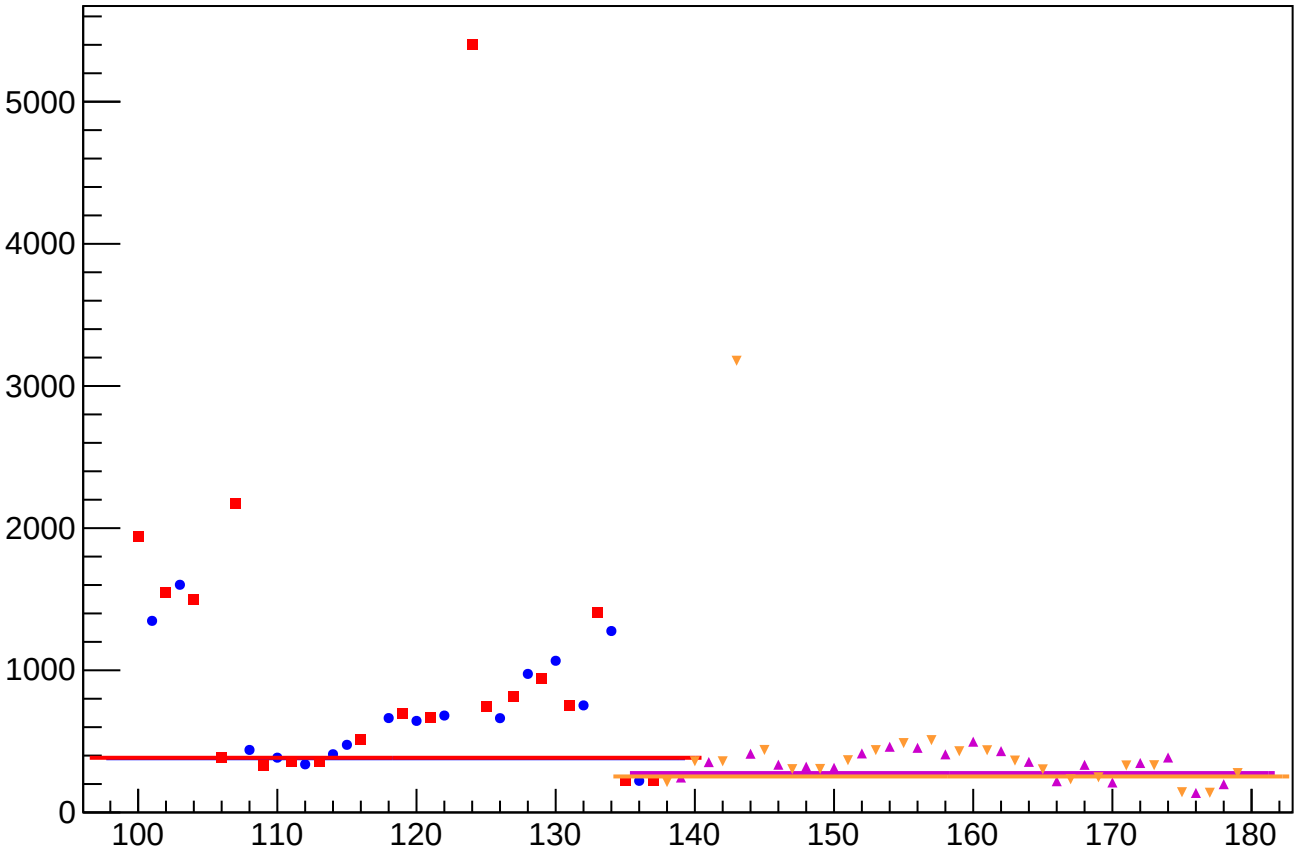
Right Out: -157.929+/-169.667 χ^2/NDF: 15.8/18

Left In: -135.586+/-73.662 χ^2/NDF:13.0/19

\+ sign -190.244+/-62.745 χ^2/NDF: 61.3/37

All: -166.576+/-45.978 χ^2/NDF: 90.5/76

\- sign -139.130+/-67.568 χ^2/NDF: 28.9/38



Right In: 381.359+/-0.120 χ^2/NDF: 4317737.3/15

Left Out: 253.248+/-0.048 χ^2/NDF:6289859.4/21

Right Out: 384.658+/-0.120 χ^2/NDF: 4560068.3/18

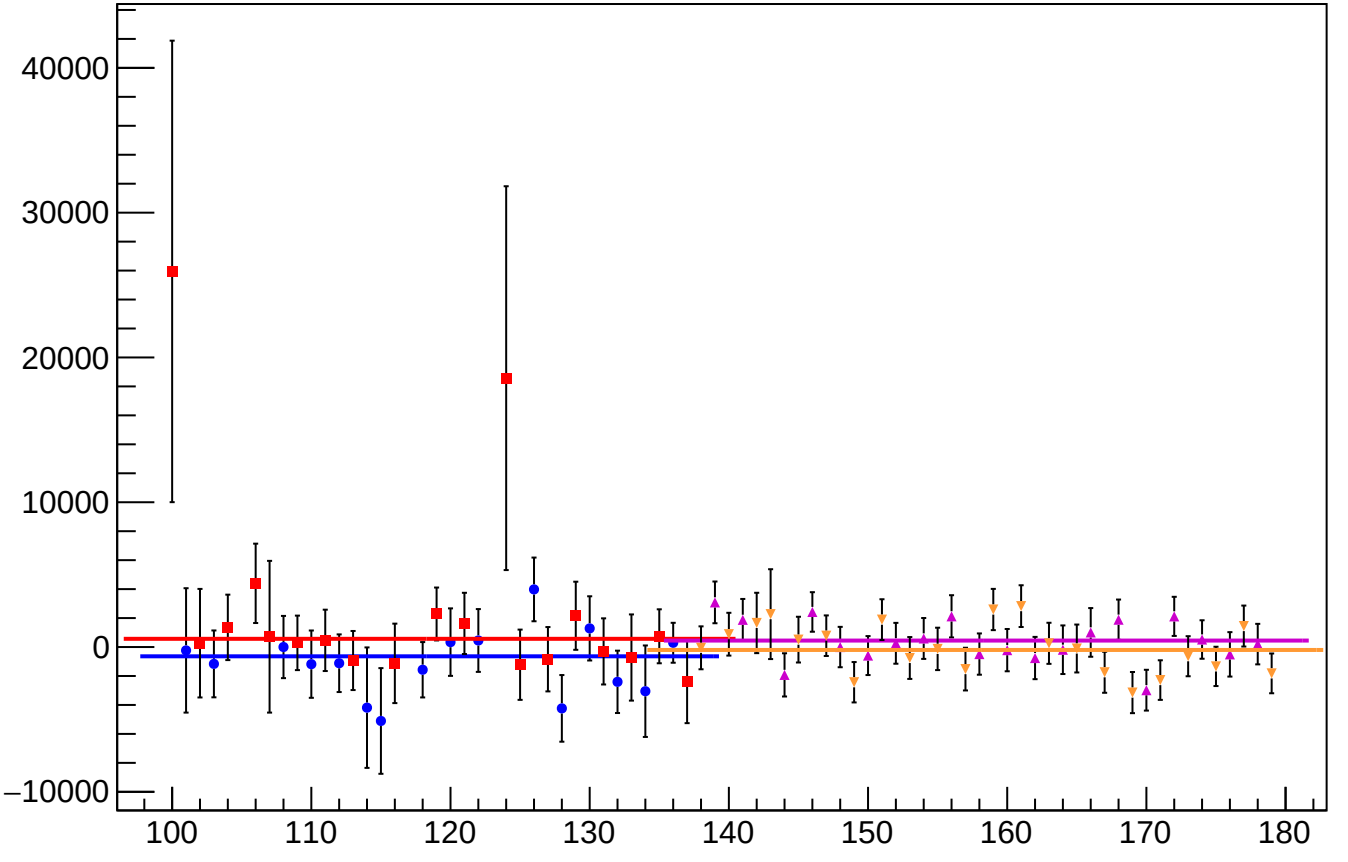
Left In: 277.021+/-0.052 χ^2/NDF:3988159.1/19

+ sign 270.706+/-0.044 χ^2/NDF: 11588931.6/37

All: 281.535+/-0.033 χ^2/NDF: 20943083.6/76

- sign 294.092+/-0.048 χ^2/NDF: 9225500.2/38

asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -640.824+/-564.366 χ^2/NDF: 12.5/15

Left Out: -202.303+/-315.585 χ^2/NDF:28.1/21

Right Out: 567.254+/-566.774 χ^2/NDF: 11.3/18

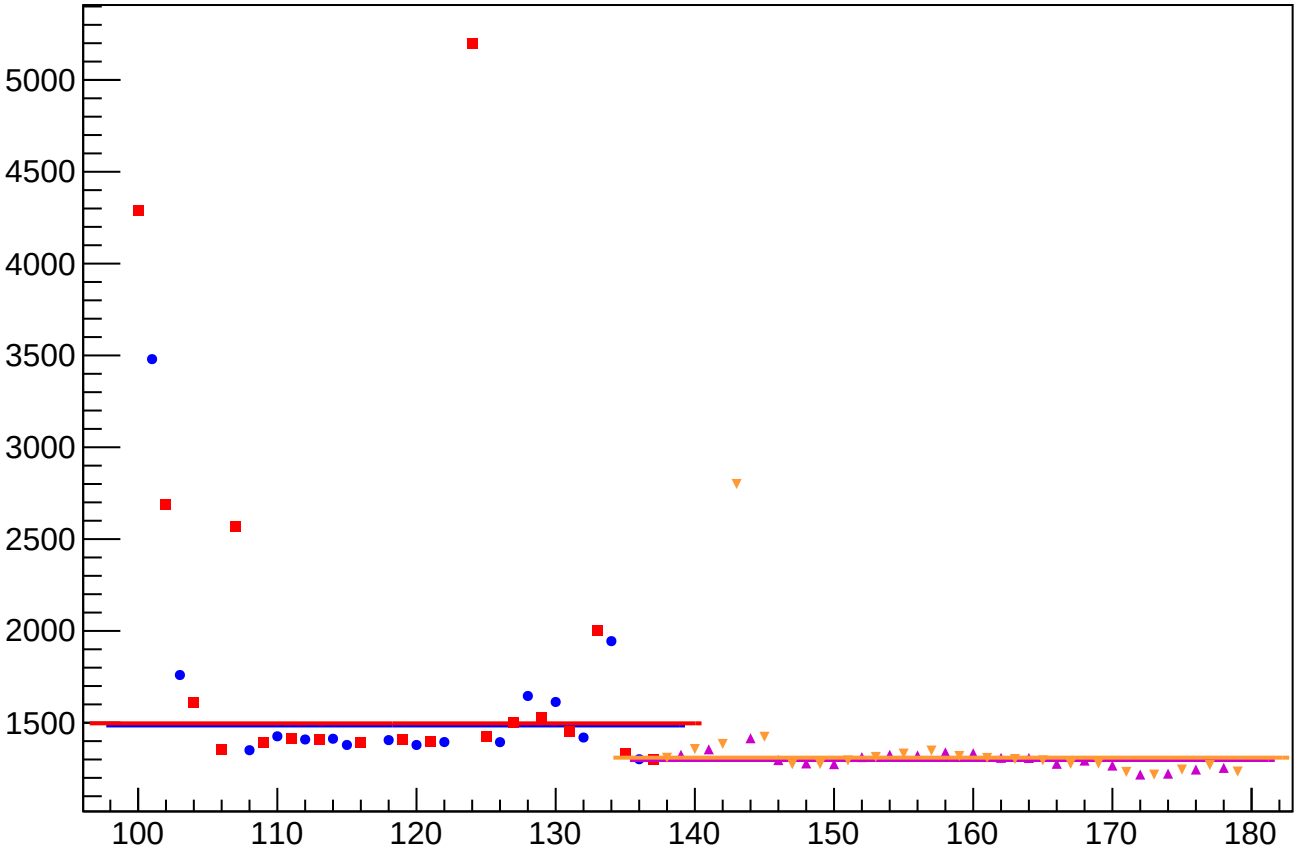
Left In: 446.954+/-321.102 χ^2/NDF:21.5/19

+ sign -306.760+/-275.445 χ^2/NDF: 41.0/37

All: 79.159+/-196.146 χ^2/NDF: 77.9/76

- sign 476.184+/-279.380 χ^2/NDF: 32.9/38

asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1485.370+/-0.399 χ^2/NDF: 584470.1/15

Left Out: 1310.023+/-0.223 χ^2/NDF:510839.7/21

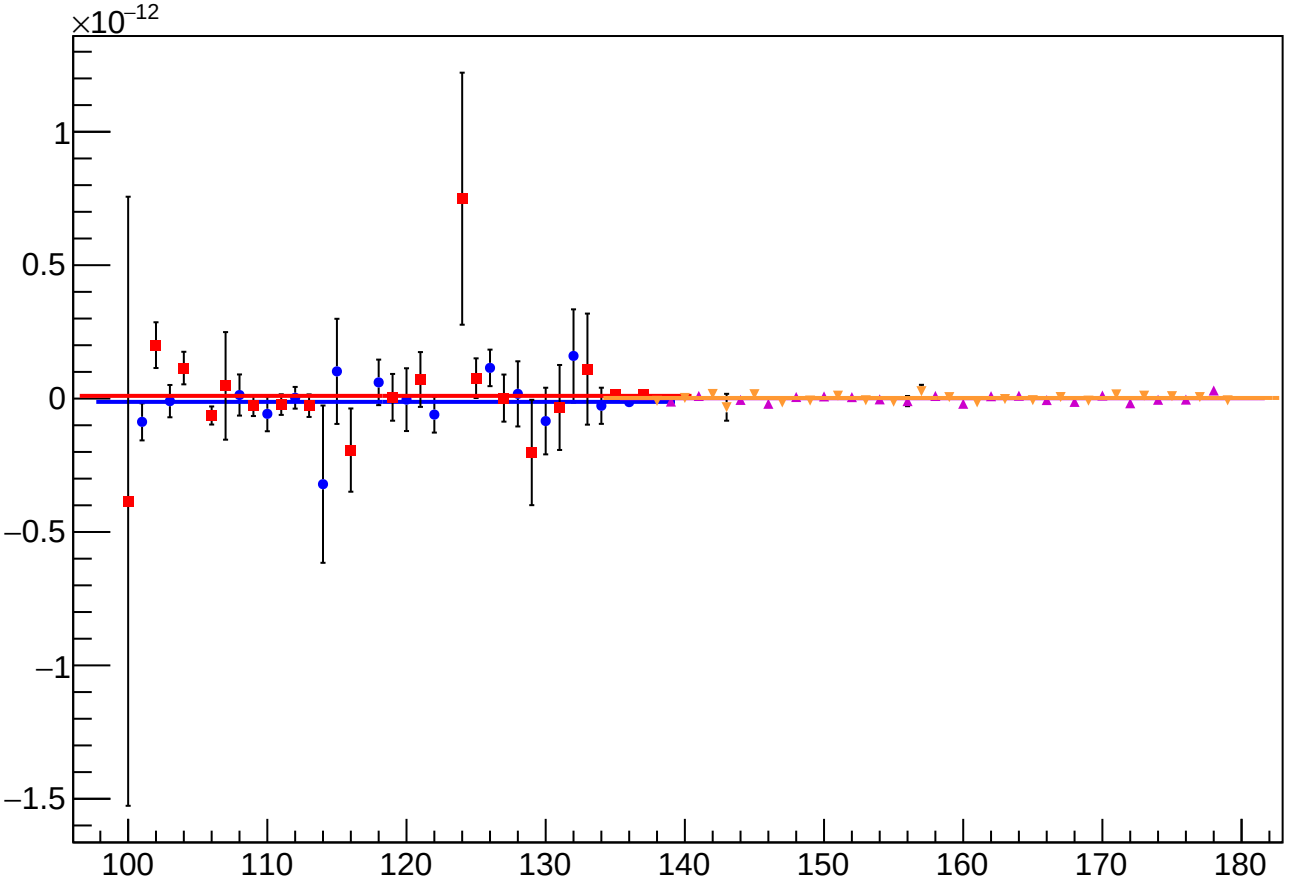
Right Out: 1496.865+/-0.401 χ^2/NDF: 623292.7/18

Left In: 1297.339+/-0.227 χ^2/NDF:40935.2/19

+ sign 1351.791+/-0.195 χ^2/NDF: 1242387.5/37

All: 1348.848+/-0.139 χ^2/NDF: 2094716.3/76

- sign 1345.820+/-0.198 χ^2/NDF: 851865.6/38



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.8/21

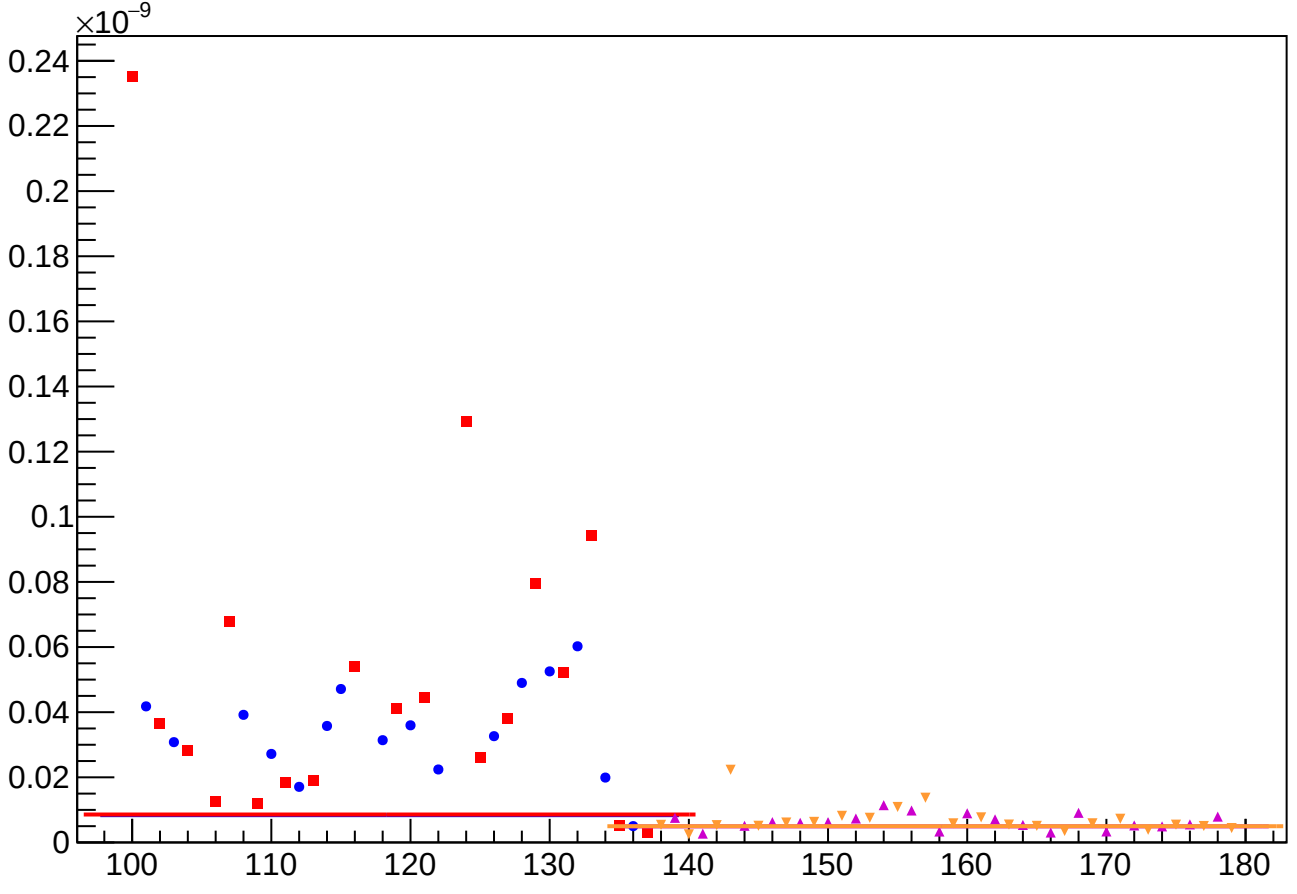
Right Out: 0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: 0.000+/-0.000 χ^2/NDF:24.9/19

+ sign 0.000+/-0.000 χ^2/NDF: 32.8/37

All: 0.000+/-0.000 χ^2/NDF: 81.3/76

- sign 0.000+/-0.000 χ^2/NDF: 48.4/38



Right In: 0.000+/-0.000 χ^2/NDF: 3059657.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1893844.4/21

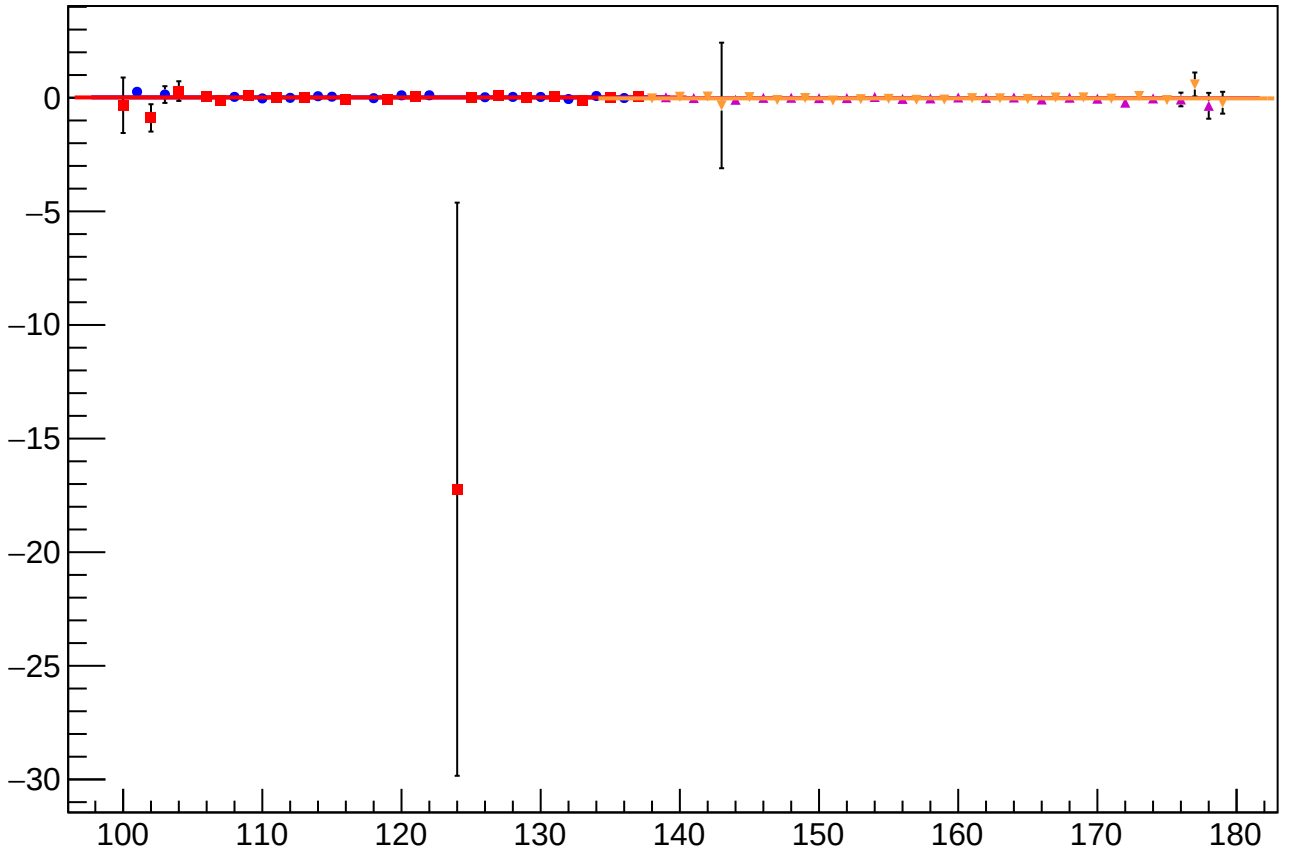
Right Out: 0.000+/-0.000 χ^2/NDF: 3348571.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1762003.5/19

+ sign 0.000+/-0.000 χ^2/NDF: 5341448.4/37

All: 0.000+/-0.000 χ^2/NDF: 10836694.9/76

- sign 0.000+/-0.000 χ^2/NDF: 5494834.1/38



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.027+/-0.010 χ^2/NDF:25.3/21

Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

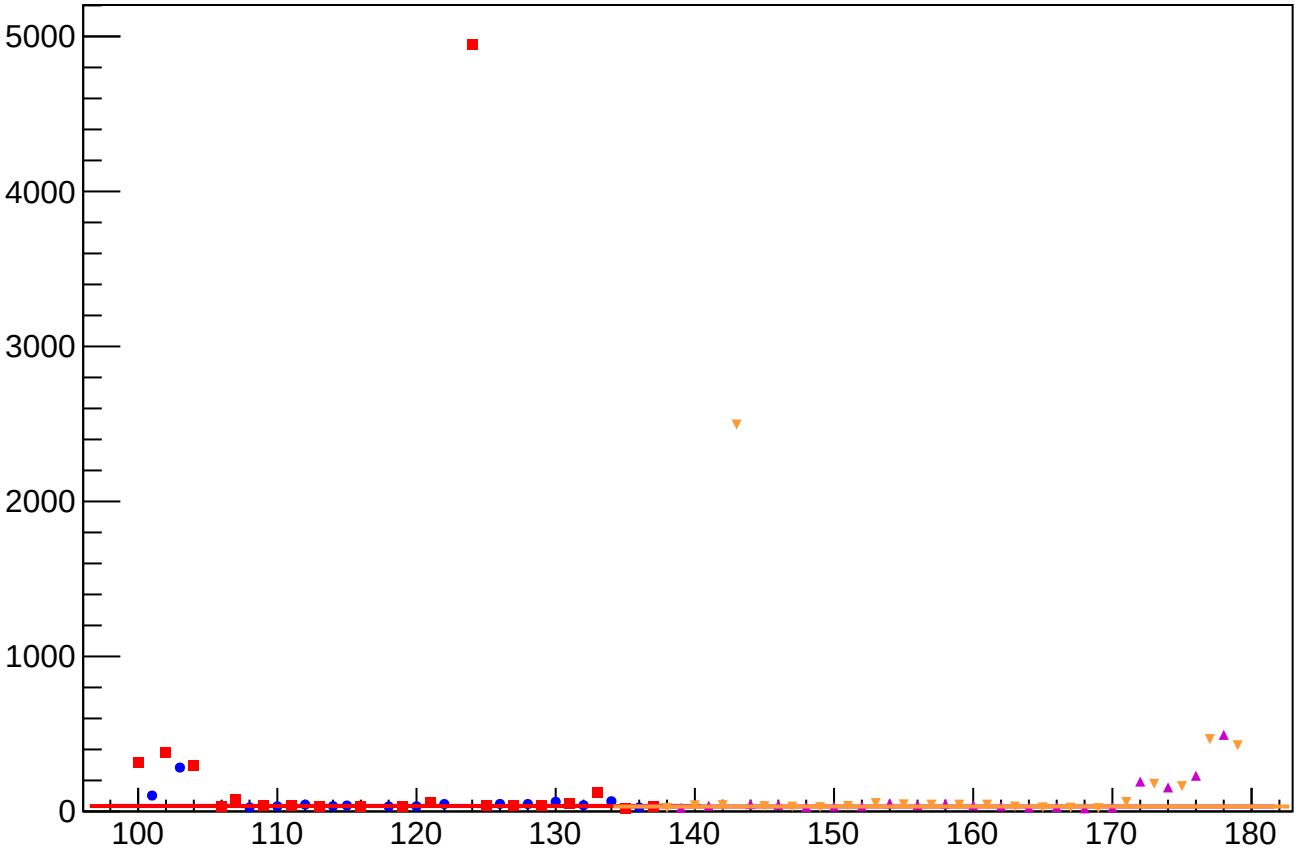
Left In: -0.012+/-0.010 χ^2/NDF:11.1/19

+ sign -0.015+/-0.008 χ^2/NDF: 42.7/37

All: -0.010+/-0.006 χ^2/NDF: 72.5/76

- sign -0.005+/-0.008 χ^2/NDF: 29.0/38

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_rms vs Slug



Right In: 35.742+/-0.011 χ^2/NDF: 2264790.8/15

Left Out: 31.974+/-0.007 χ^2/NDF:8032902.7/21

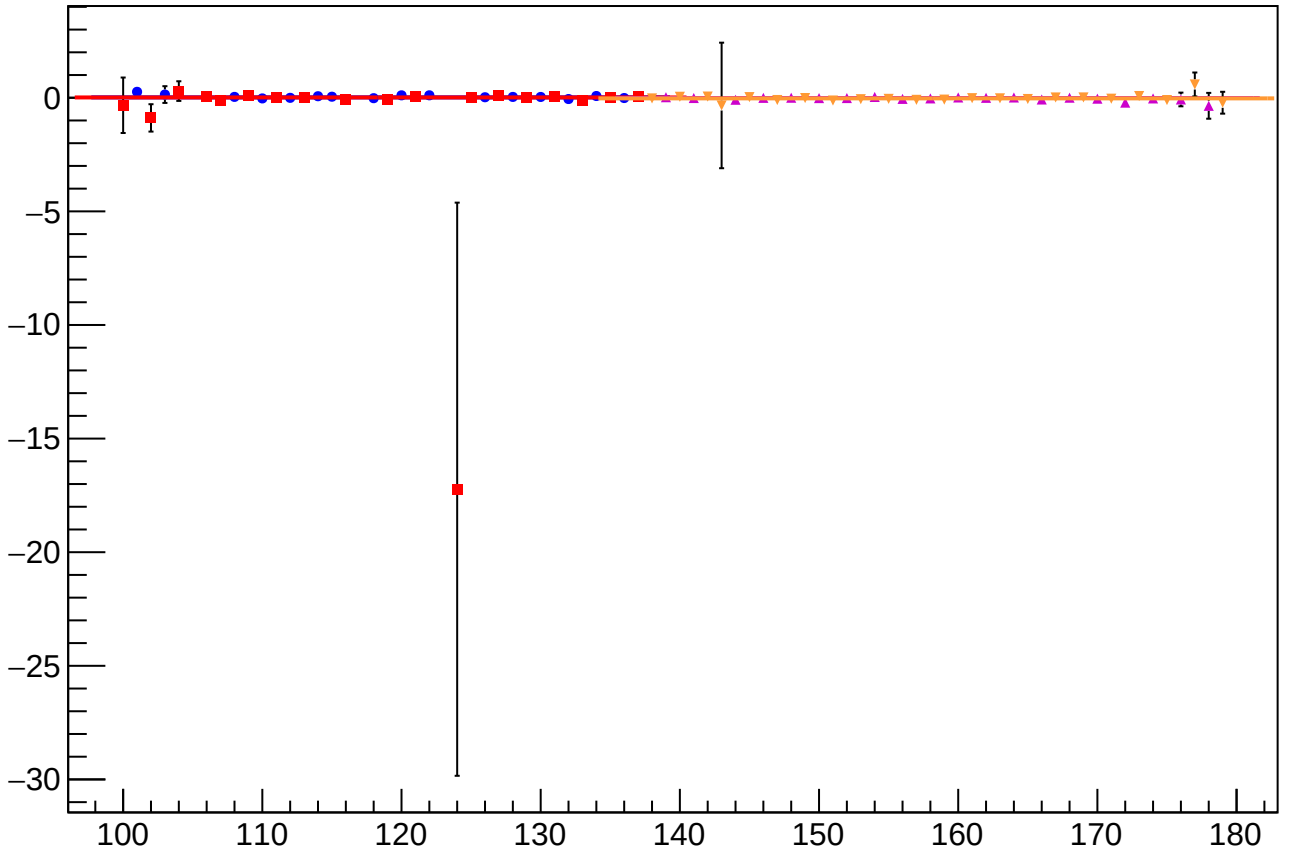
Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 32.159+/-0.007 χ^2/NDF:5951814.5/19

\+ sign 33.013+/-0.006 χ^2/NDF: 10383887.1/37

All: 32.943+/-0.004 χ^2/NDF: 19291746.8/76

\- sign 32.872+/-0.006 χ^2/NDF: 8907561.1/38



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.027+/-0.010 χ^2/NDF:25.3/21

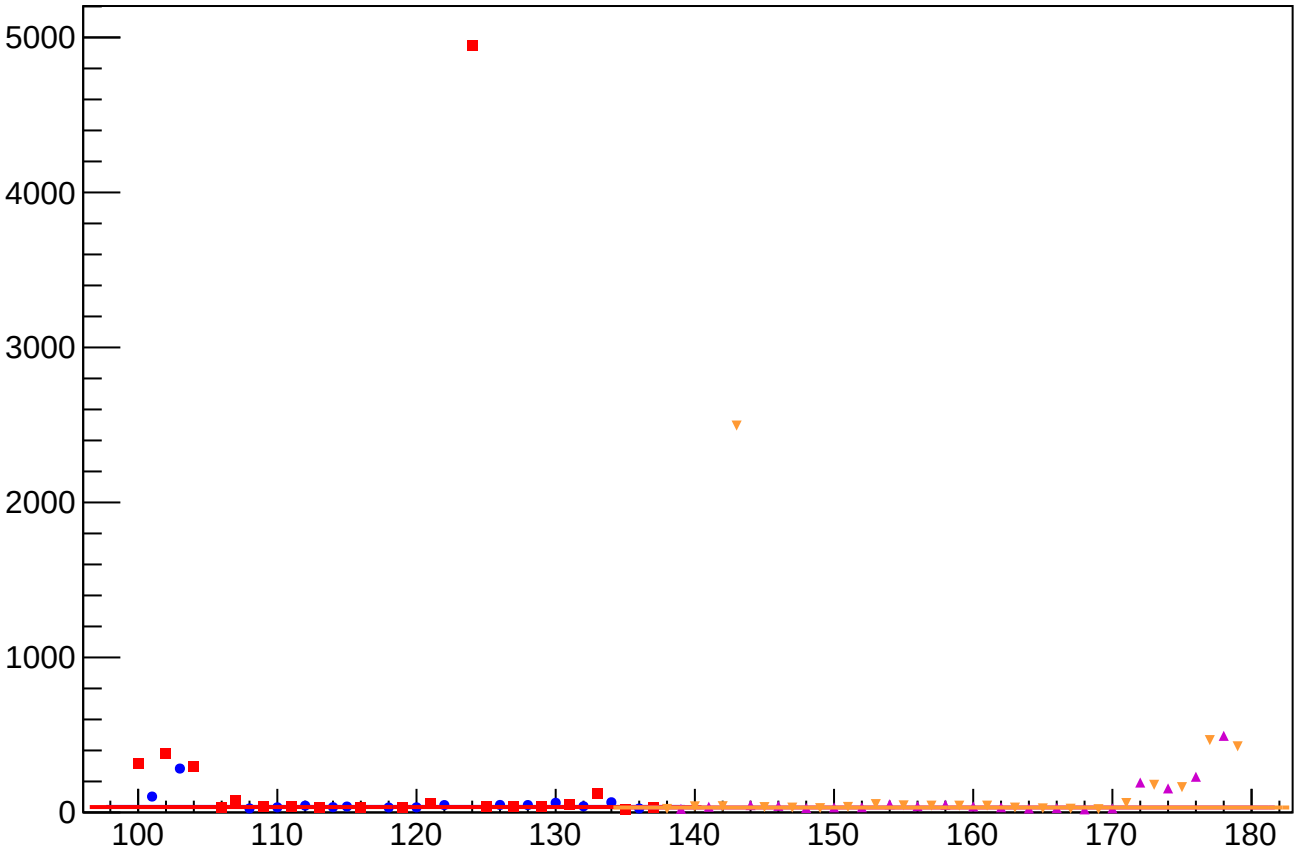
Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.012+/-0.010 χ^2/NDF:11.1/19

+ sign -0.015+/-0.008 χ^2/NDF: 42.7/37

All: -0.010+/-0.006 χ^2/NDF: 72.5/76

- sign -0.005+/-0.008 χ^2/NDF: 29.0/38



Right In: 35.742+/-0.011 χ^2/NDF: 2264790.8/15

Left Out: 31.974+/-0.007 χ^2/NDF:8032902.7/21

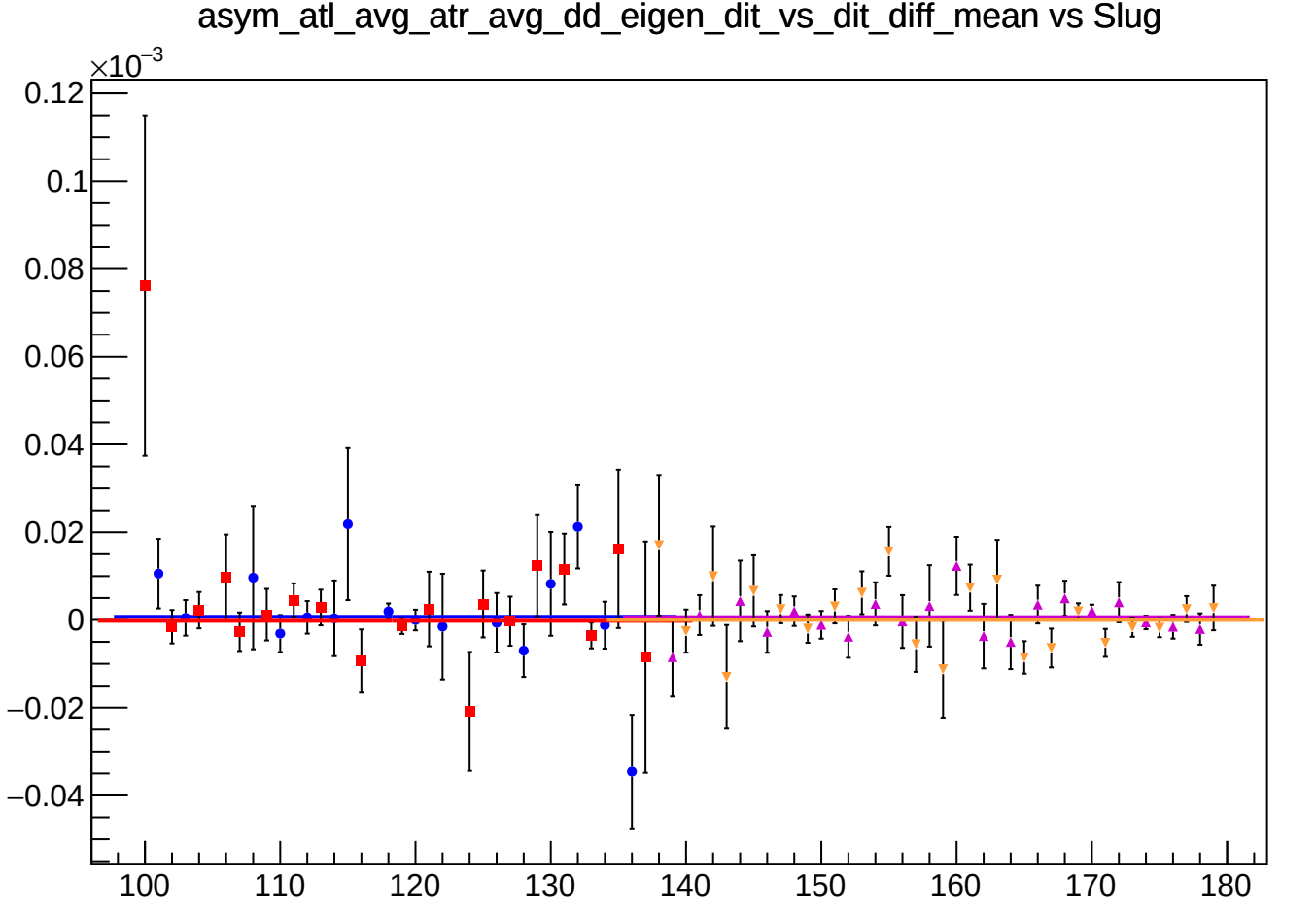
Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

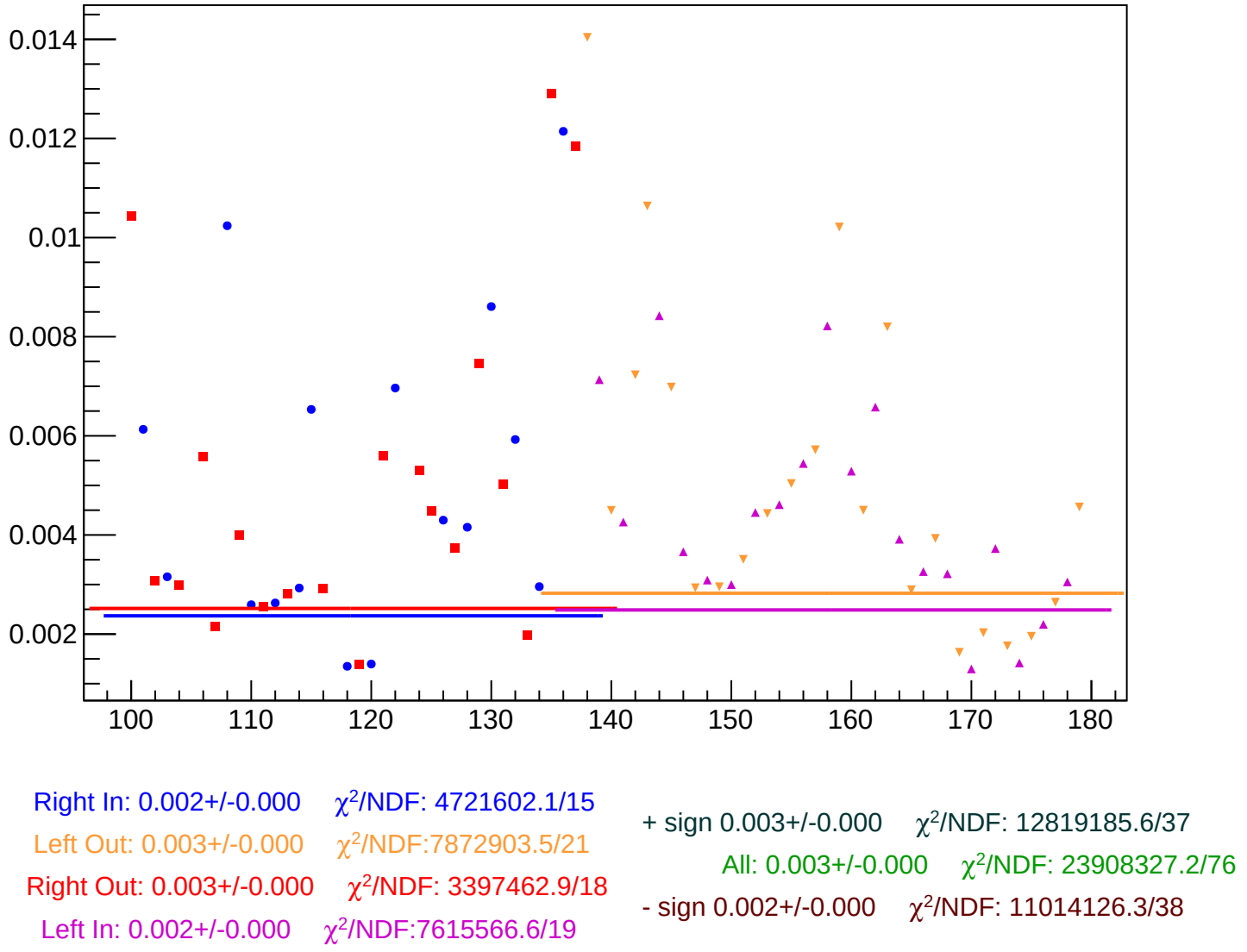
Left In: 32.159+/-0.007 χ^2/NDF:5951814.5/19

+ sign 33.013+/-0.006 χ^2/NDF: 10383887.1/37

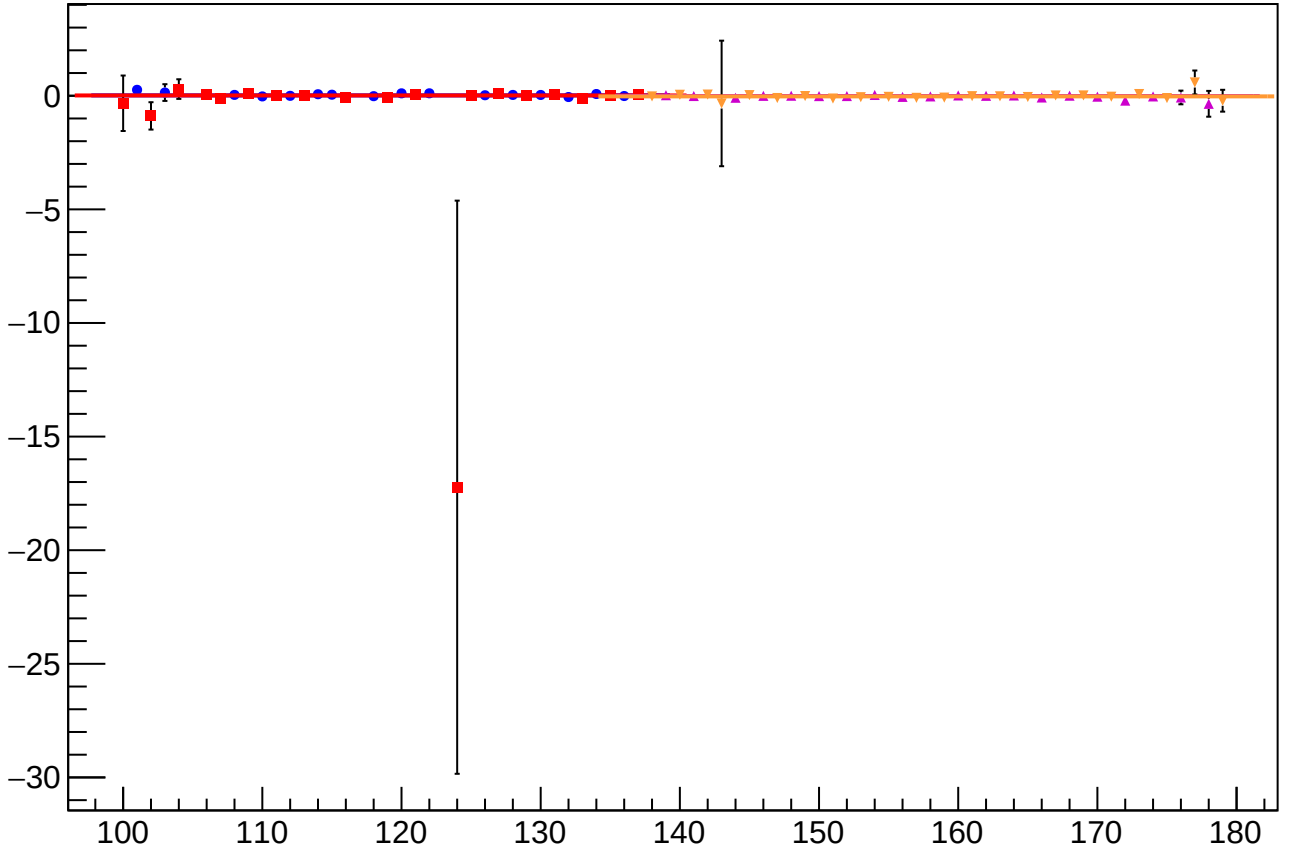
All: 32.943+/-0.004 χ^2/NDF: 19291746.8/76

- sign 32.872+/-0.006 χ^2/NDF: 8907561.1/38


asym_atl_avg_atr_avg_dd_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.12
0.1
0.08
0.06
0.04
0.02
0
−0.02
−0.04
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 19.1/15
Left Out: 0.000+/-0.000 χ²/NDF:33.5/21
Right Out: -0.000+/-0.000 χ²/NDF: 18.1/18
Left In: 0.000+/-0.000 χ²/NDF:12.7/19
+ sign 0.000+/-0.000 χ²/NDF: 52.9/37
All: 0.000+/-0.000 χ²/NDF: 84.1/76
- sign 0.000+/-0.000 χ²/NDF: 31.2/38


asym_atl_avg_atr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
160
170
180
Right In: 0.002+/-0.000 χ²/NDF: 4721602.1/15
Left Out: 0.003+/-0.000 χ²/NDF:7872903.5/21
Right Out: 0.003+/-0.000 χ²/NDF: 3397462.9/18
Left In: 0.002+/-0.000 χ²/NDF:7615566.6/19
+ sign 0.003+/-0.000 χ²/NDF: 12819185.6/37
All: 0.003+/-0.000 χ²/NDF: 23908327.2/76
- sign 0.002+/-0.000 χ²/NDF: 11014126.3/38

asym_atl_avg_atr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.027+/-0.010 χ^2/NDF:25.3/21

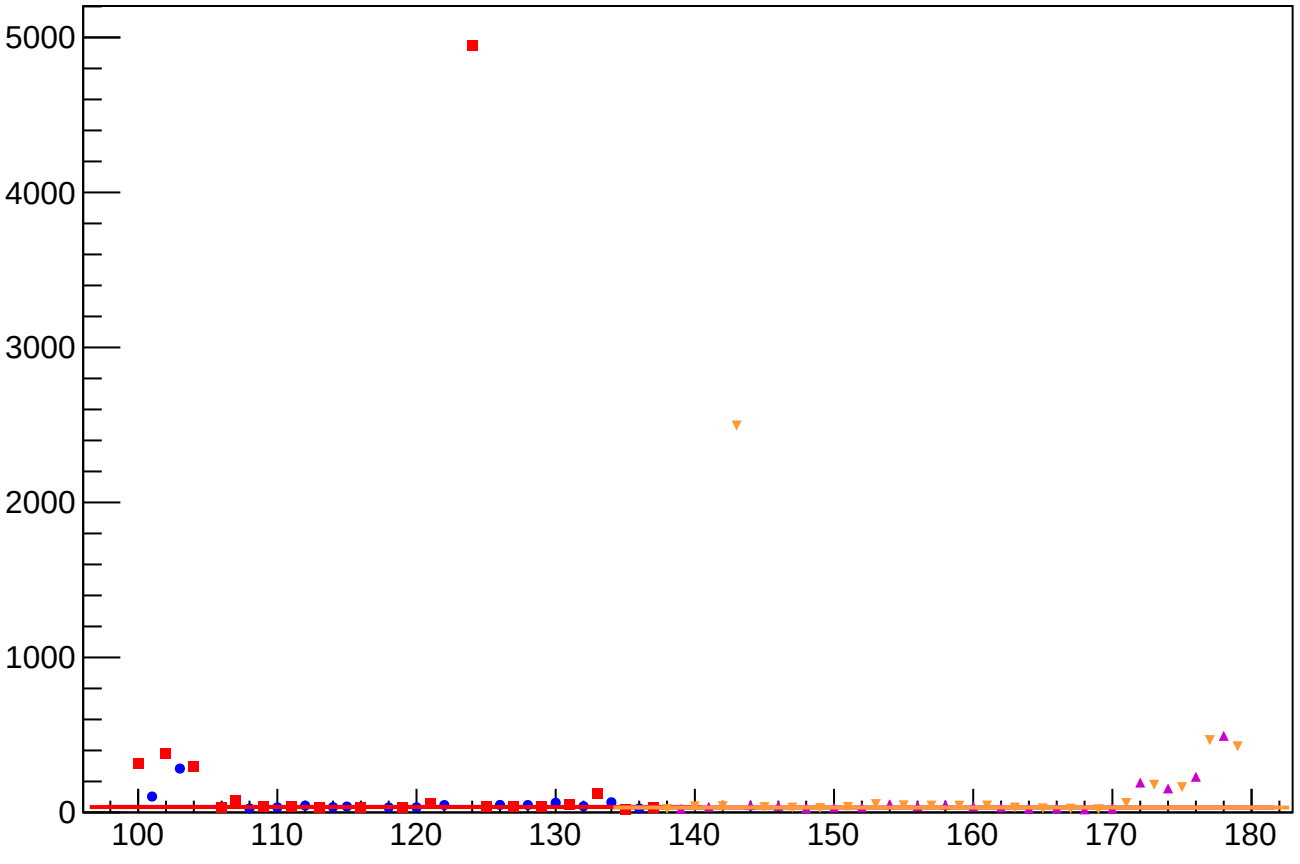
Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.012+/-0.010 χ^2/NDF:11.1/19

+ sign -0.015+/-0.008 χ^2/NDF: 42.7/37

All: -0.010+/-0.006 χ^2/NDF: 72.5/76

- sign -0.005+/-0.008 χ^2/NDF: 29.0/38



Right In: 35.743+/-0.011 χ^2/NDF: 2264513.9/15

Left Out: 31.974+/-0.007 χ^2/NDF:8033157.1/21

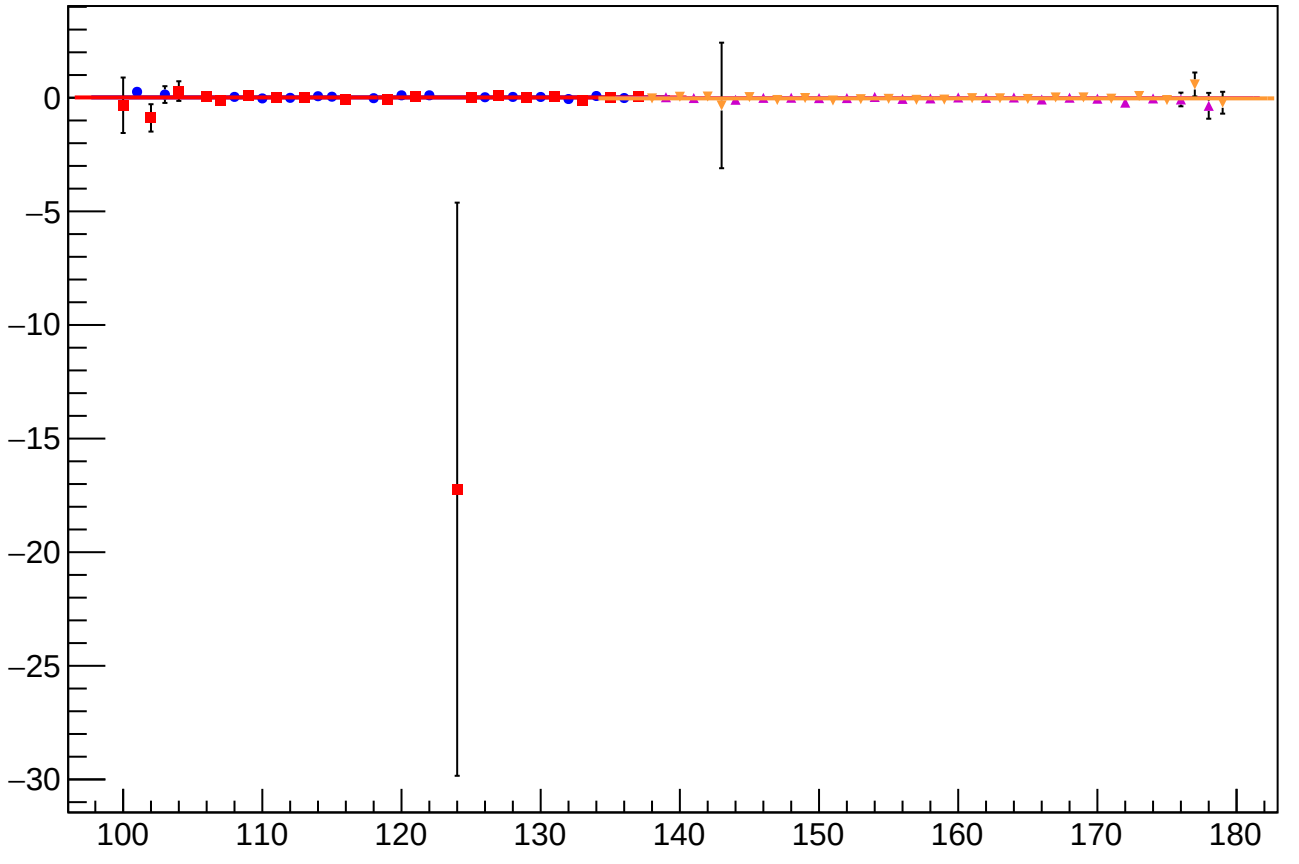
Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 32.157+/-0.007 χ^2/NDF:5952417.1/19

+ sign 33.013+/-0.006 χ^2/NDF: 10383940.6/37

All: 32.942+/-0.004 χ^2/NDF: 19292302.1/76

- sign 32.872+/-0.006 χ^2/NDF: 8908058.8/38



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.027+/-0.010 χ^2/NDF:25.3/21

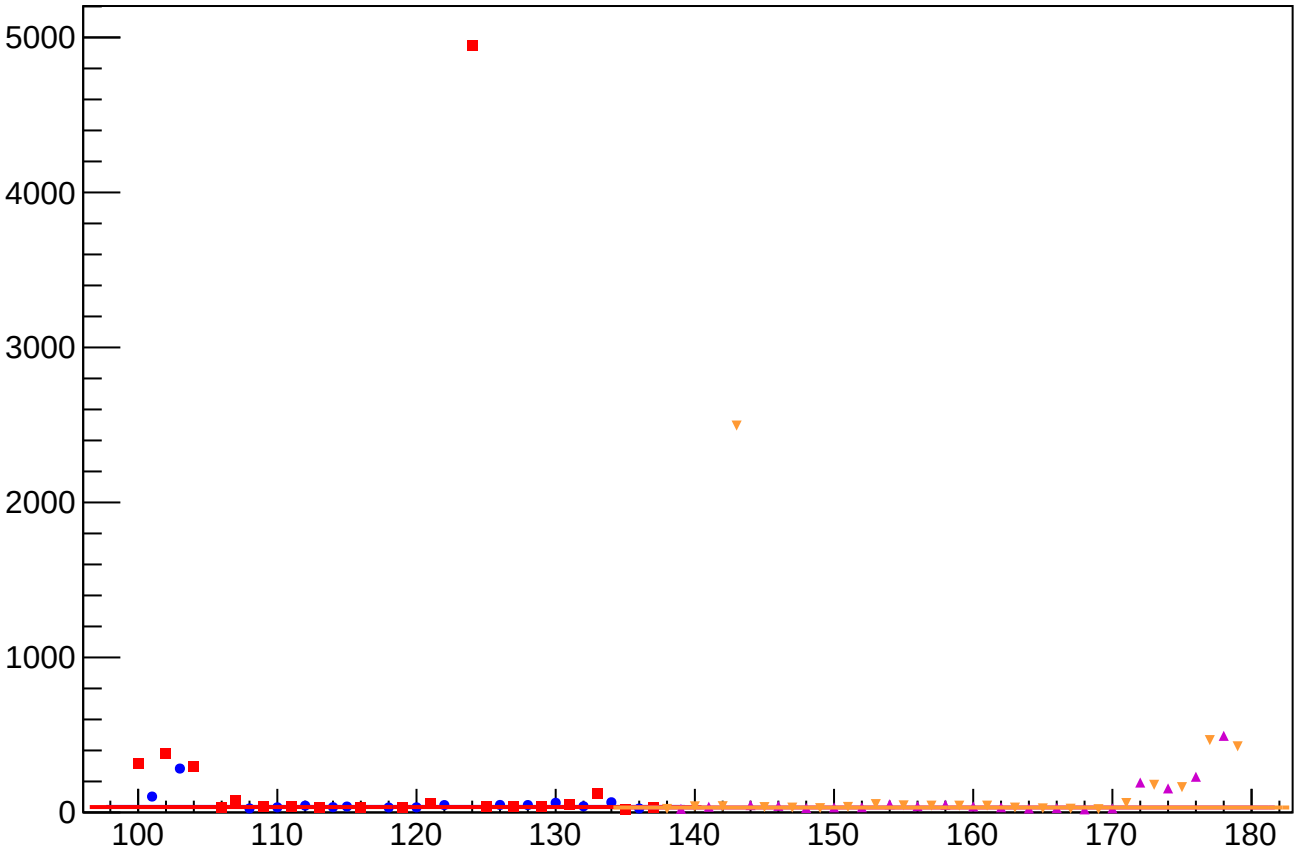
Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.012+/-0.010 χ^2/NDF:11.1/19

+ sign -0.015+/-0.008 χ^2/NDF: 42.7/37

All: -0.010+/-0.006 χ^2/NDF: 72.5/76

- sign -0.005+/-0.008 χ^2/NDF: 29.0/38



Right In: 35.743+/-0.011 χ^2/NDF: 2264513.9/15

Left Out: 31.974+/-0.007 χ^2/NDF:8033157.1/21

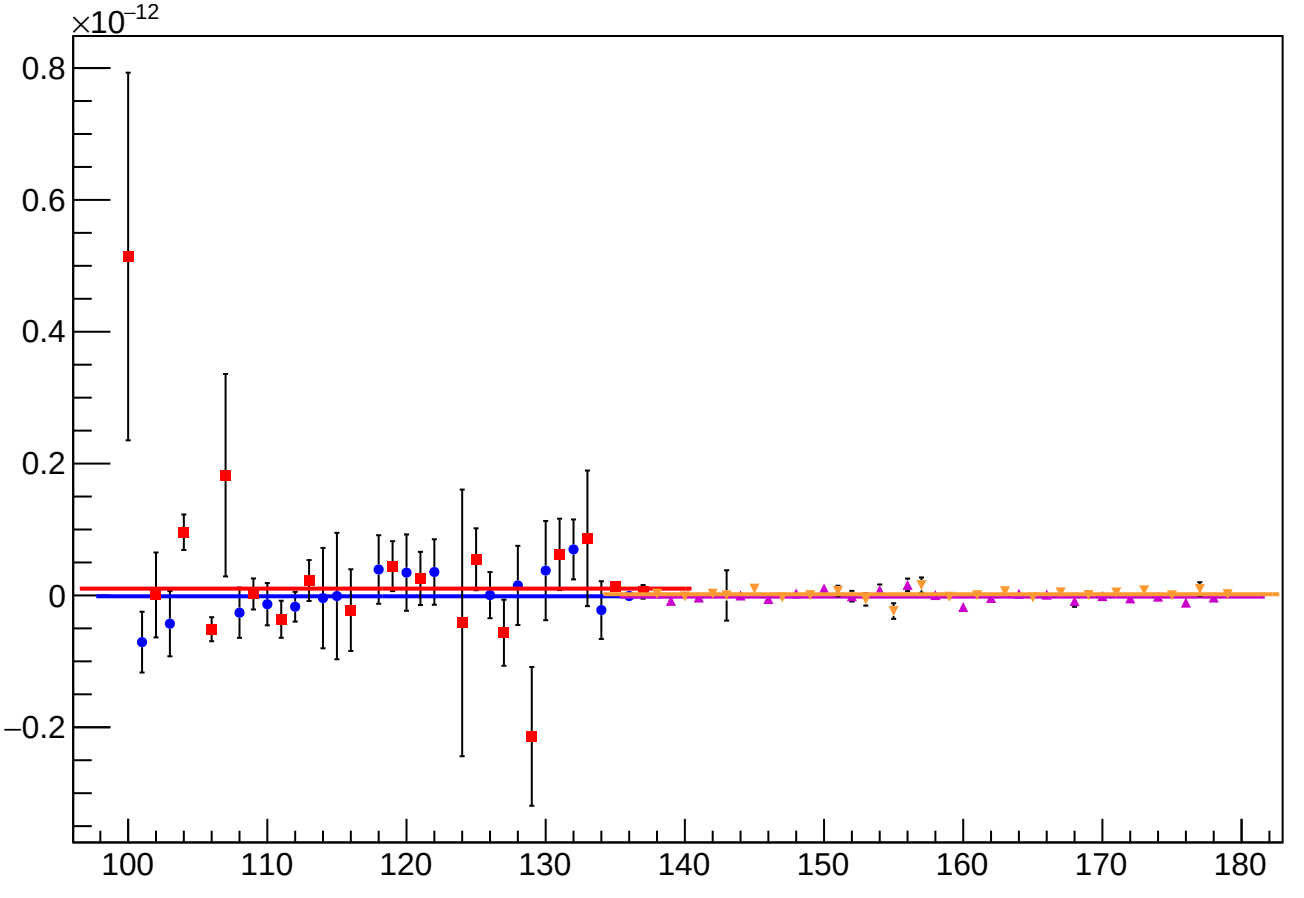
Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 32.157+/-0.007 χ^2/NDF:5952417.1/19

+ sign 33.013+/-0.006 χ^2/NDF: 10383940.6/37

All: 32.942+/-0.004 χ^2/NDF: 19292302.1/76

- sign 32.872+/-0.006 χ^2/NDF: 8908058.8/38



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.5/21

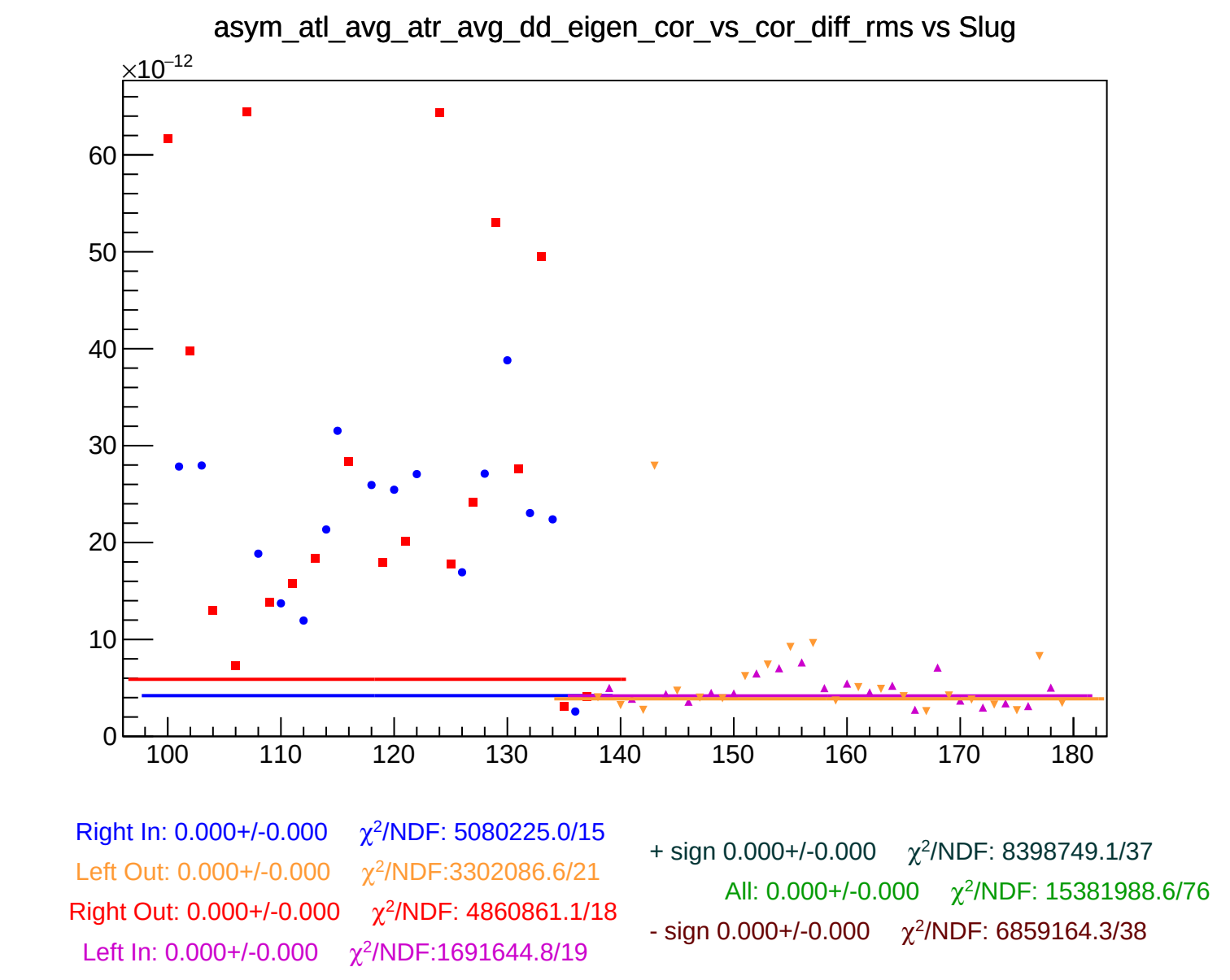
Right Out: 0.000+/-0.000 χ^2/NDF: 39.9/18

Left In: -0.000+/-0.000 χ^2/NDF:23.0/19

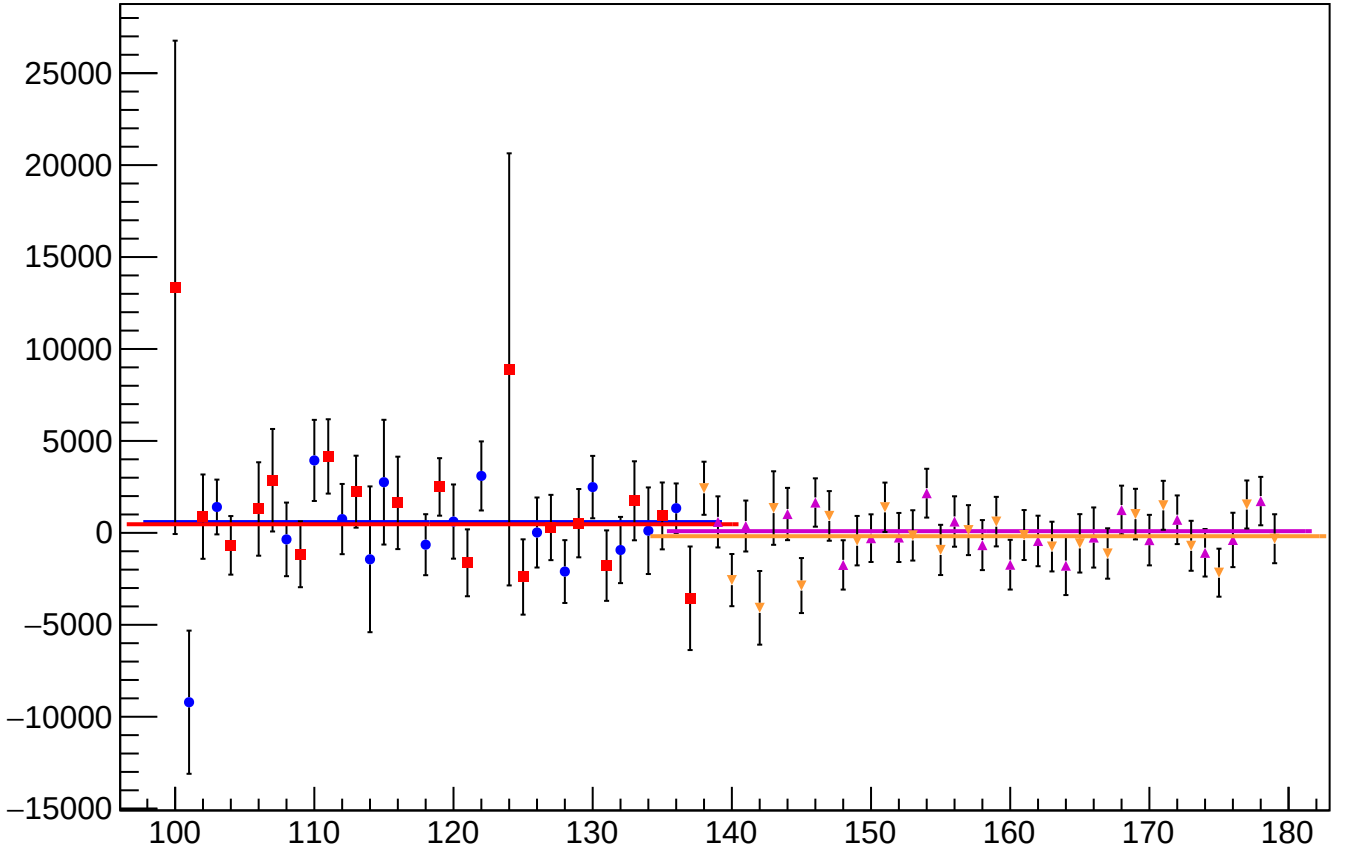
+ sign 0.000+/-0.000 χ^2/NDF: 24.8/37

All: 0.000+/-0.000 χ^2/NDF: 97.3/76

- sign -0.000+/-0.000 χ^2/NDF: 70.6/38


asym_atl_avg_atr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
60
50
40
30
20
10
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 5080225.0/15
Left Out: 0.000+/-0.000 χ²/NDF:3302086.6/21
Right Out: 0.000+/-0.000 χ²/NDF: 4860861.1/18
Left In: 0.000+/-0.000 χ²/NDF:1691644.8/19
+ sign 0.000+/-0.000 χ²/NDF: 8398749.1/37
All: 0.000+/-0.000 χ²/NDF: 15381988.6/76
- sign 0.000+/-0.000 χ²/NDF: 6859164.3/38

reg_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 586.935+/-482.434 χ^2/NDF: 17.1/15

Left Out: -181.648+/-299.752 χ^2/NDF:23.7/21

Right Out: 469.012+/-480.516 χ^2/NDF: 16.9/18

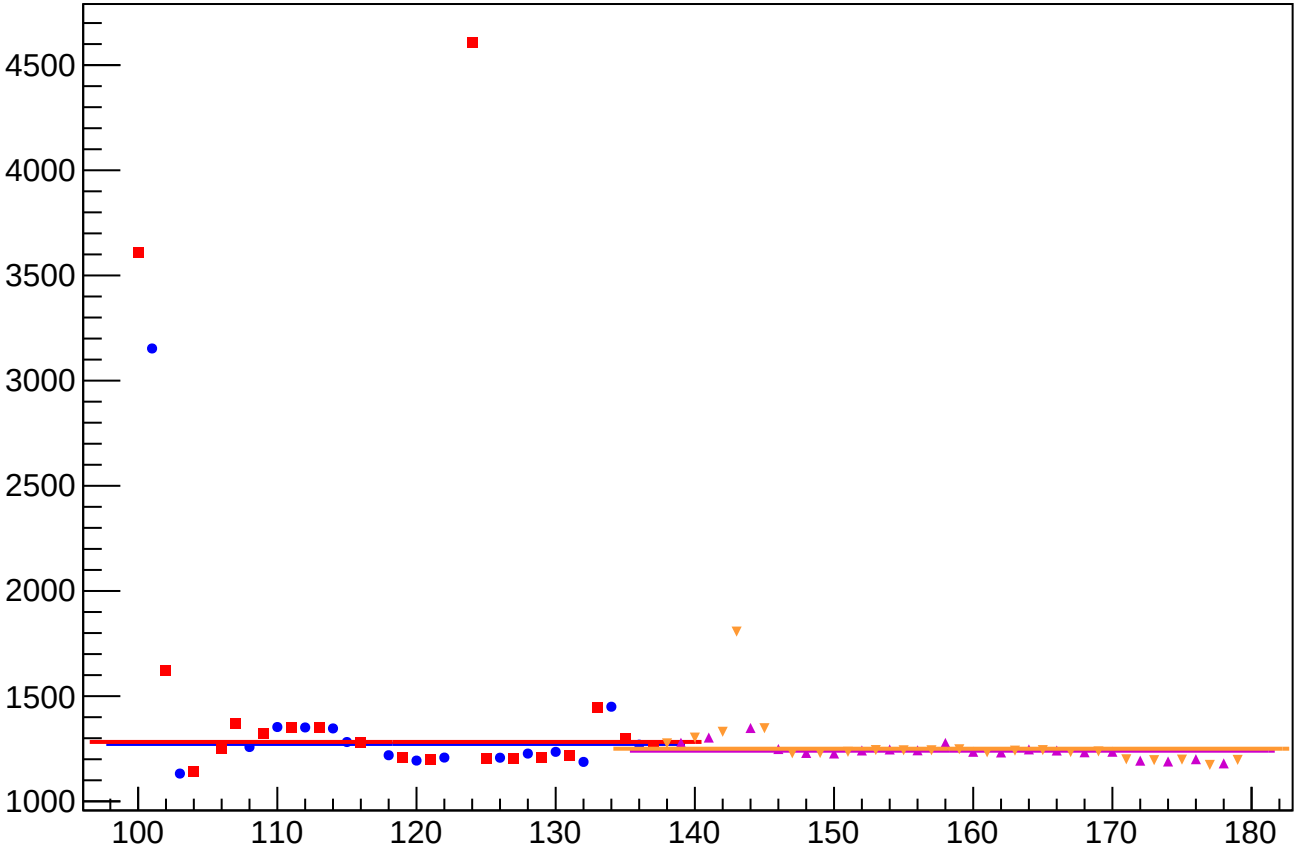
Left In: 92.918+/-307.018 χ^2/NDF:13.9/19

+ sign 32.423+/-254.608 χ^2/NDF: 42.6/37

All: 115.827+/-181.470 χ^2/NDF: 74.0/76

- sign 201.945+/-258.718 χ^2/NDF: 31.2/38

reg_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1272.804+/-0.341 χ^2/NDF: 519298.2/15

Left Out: 1250.141+/-0.212 χ^2/NDF:191762.2/21

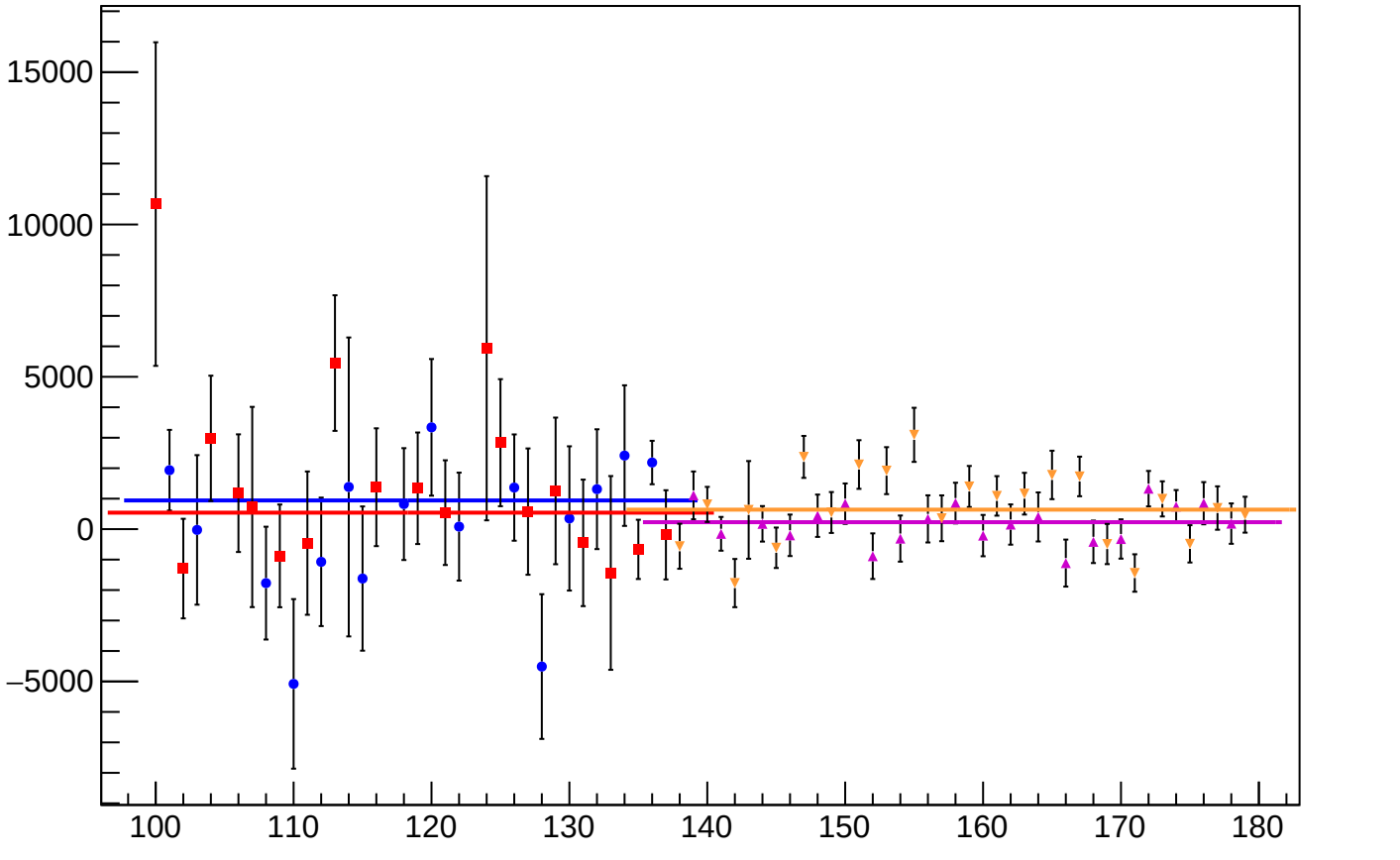
Right Out: 1282.365+/-0.340 χ^2/NDF: 322078.6/18

Left In: 1240.677+/-0.217 χ^2/NDF:30617.4/19

+ sign 1256.453+/-0.180 χ^2/NDF: 714244.8/37

All: 1254.637+/-0.128 χ^2/NDF: 1077837.3/76

- sign 1252.762+/-0.183 χ^2/NDF: 363385.7/38



Right In: 941.759+/-425.837 χ^2/NDF: 19.9/15

Left Out: 639.461+/-147.684 χ^2/NDF:61.3/21

Right Out: 540.622+/-439.905 χ^2/NDF: 17.2/18

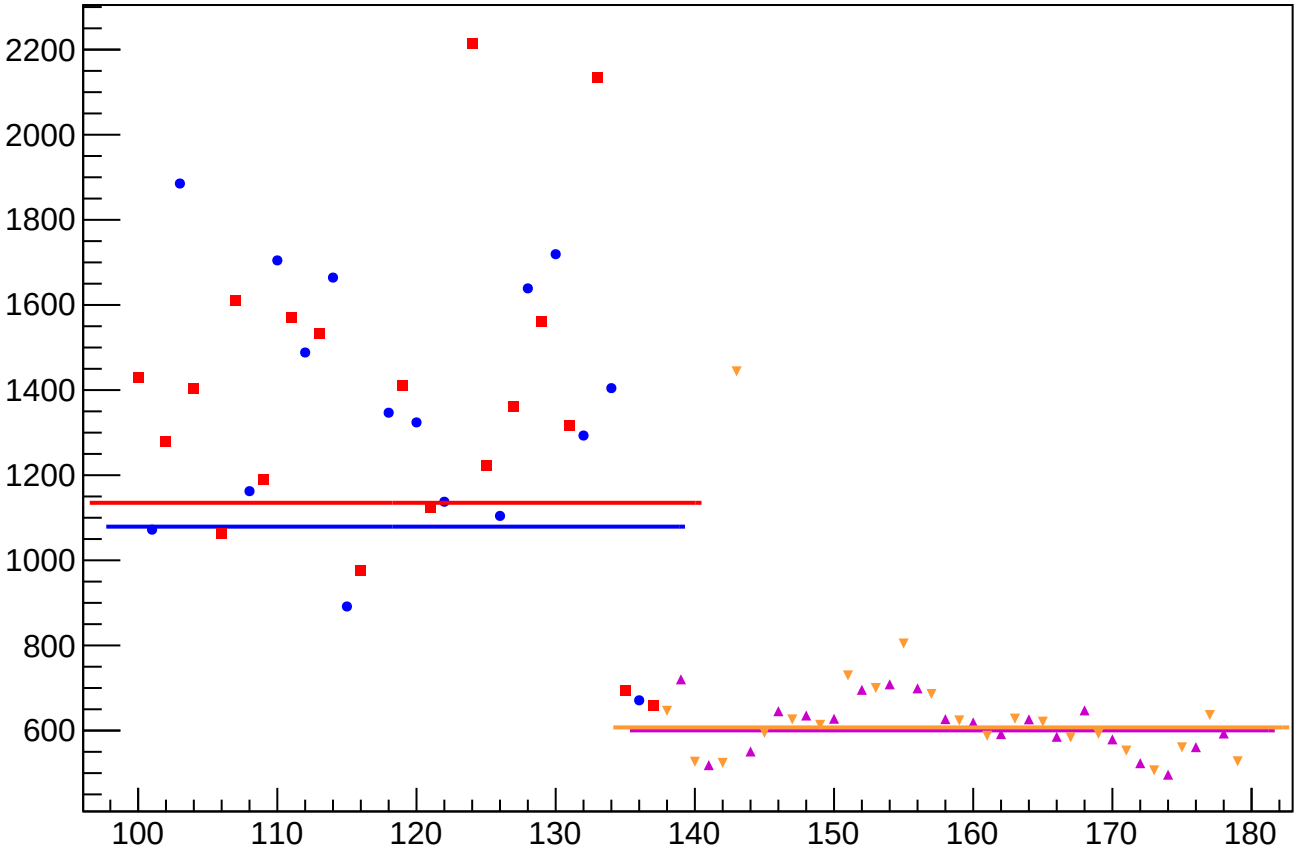
Left In: 228.064+/-149.657 χ^2/NDF:17.1/19

+ sign 671.916+/-139.531 χ^2/NDF: 81.7/37

All: 469.350+/-99.415 χ^2/NDF: 120.6/76

- sign 260.487+/-141.683 χ^2/NDF: 34.7/38

asym_atl_dd_atr_dd_dd_reg_correction_rms vs Slug



Right In: 1079.120+/-0.301 χ^2/NDF: 1482232.0/15

Left Out: 607.354+/-0.104 χ^2/NDF:947145.7/21

Right Out: 1135.161+/-0.311 χ^2/NDF: 1293082.2/18

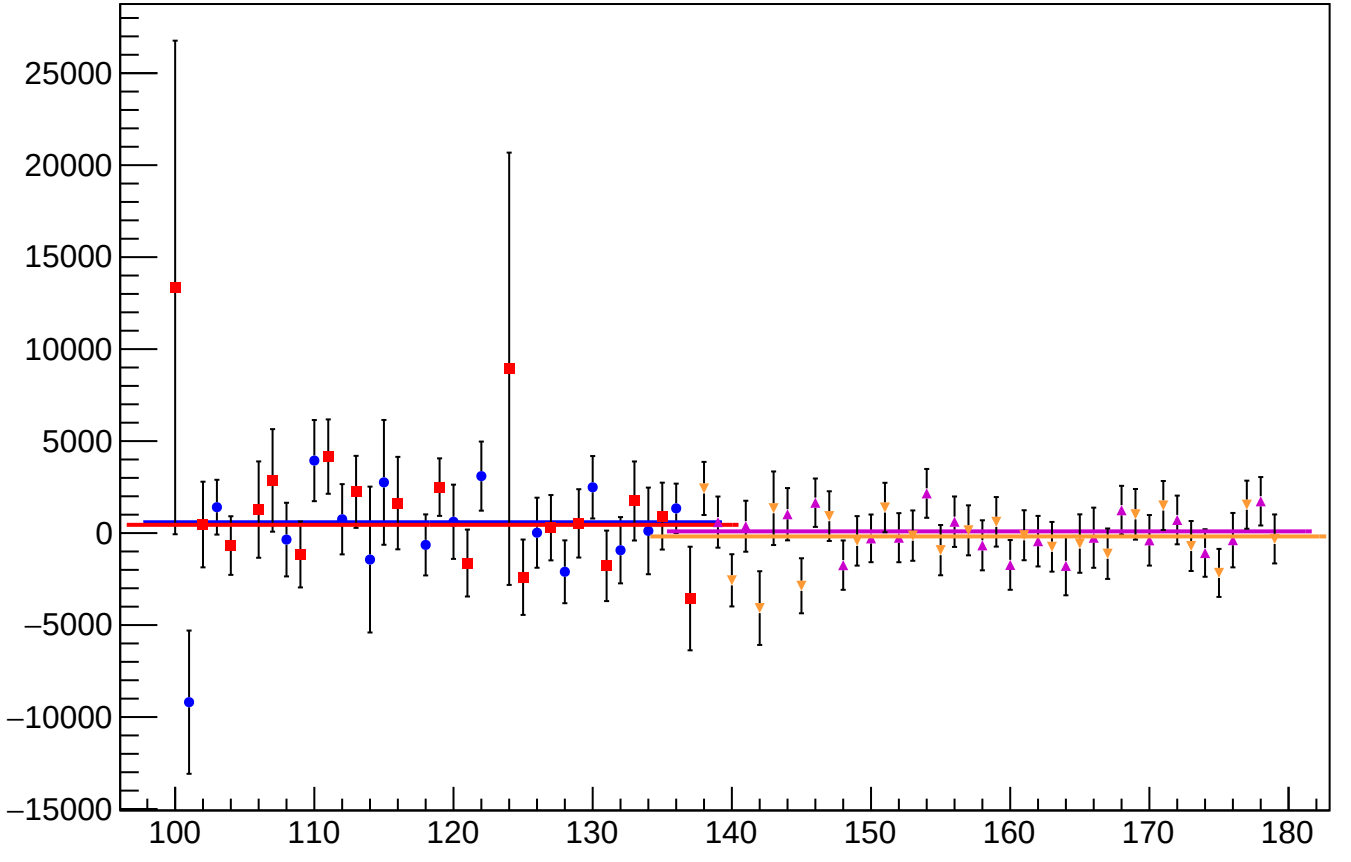
Left In: 600.408+/-0.106 χ^2/NDF:362658.3/19

+ sign 658.004+/-0.099 χ^2/NDF: 4620524.0/37

All: 656.958+/-0.070 χ^2/NDF: 8925336.2/76

- sign 655.879+/-0.100 χ^2/NDF: 4304583.8/38

cor_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -181.681+/-299.752 χ^2/NDF:23.7/21

Right Out: 448.412+/-481.333 χ^2/NDF: 16.8/18

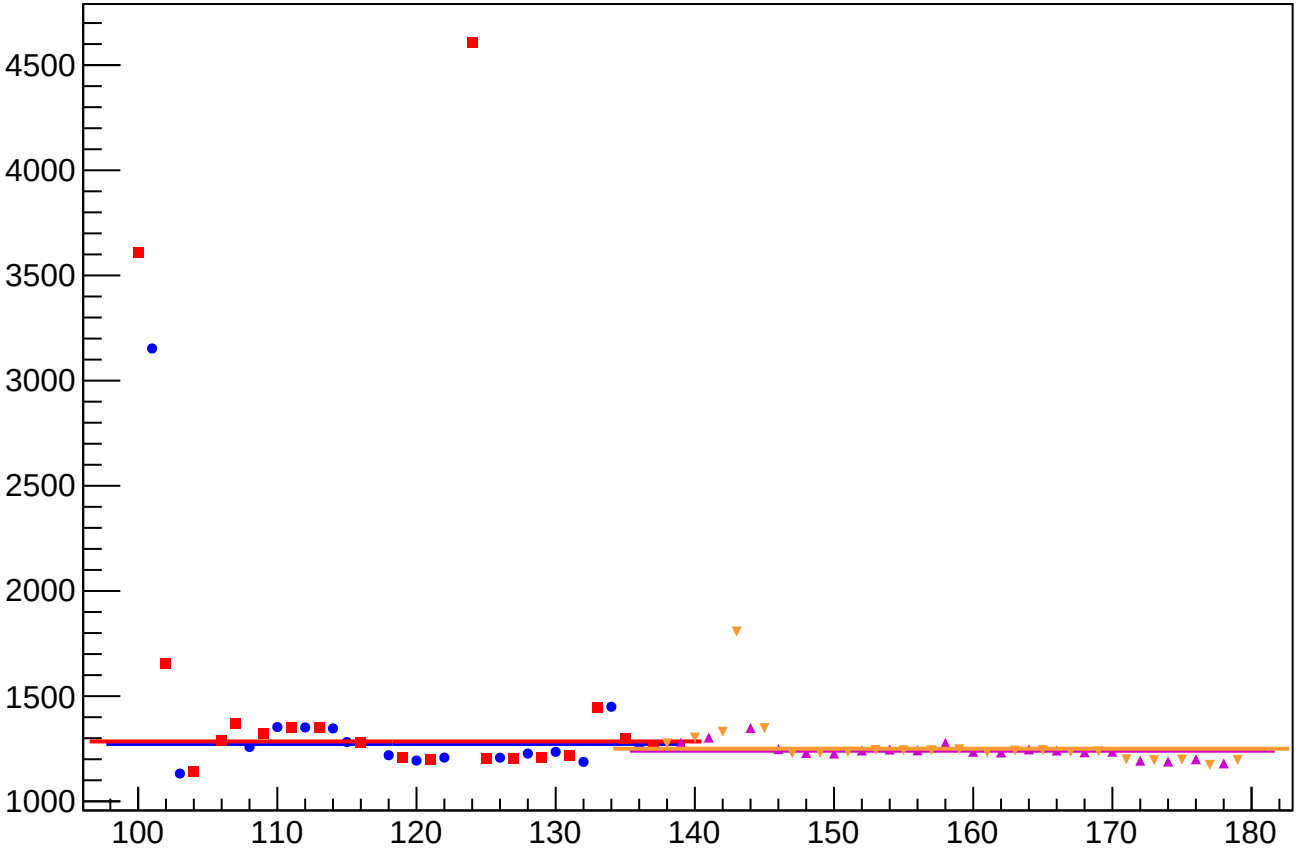
Left In: 92.963+/-307.018 χ^2/NDF:13.9/19

\+ sign 32.488+/-254.608 χ^2/NDF: 42.6/37

All: 112.775+/-181.514 χ^2/NDF: 73.9/76

\- sign 195.757+/-258.845 χ^2/NDF: 31.1/38

cor_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1250.141+/-0.212 χ^2/NDF:191762.2/21

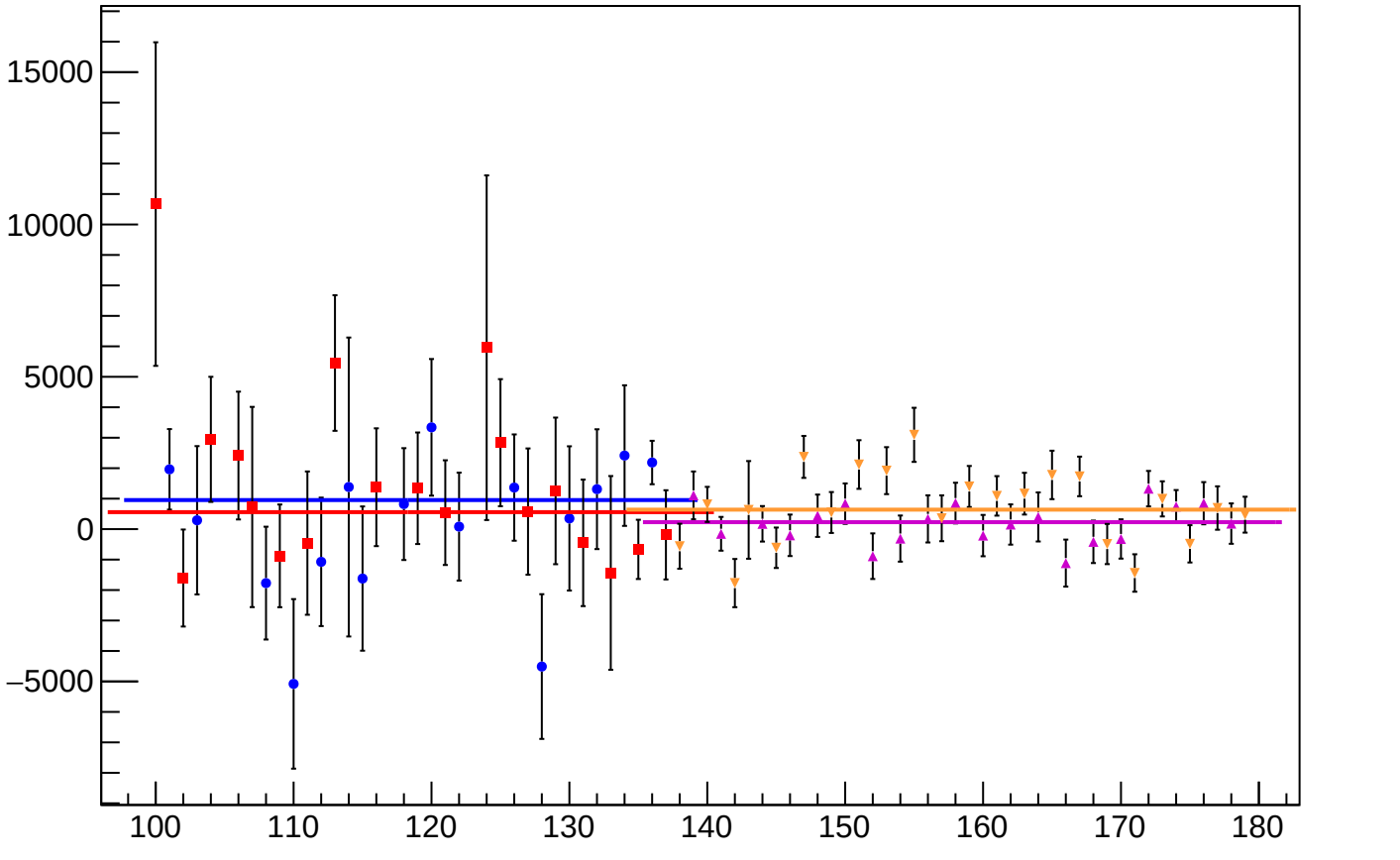
Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1240.677+/-0.217 χ^2/NDF:30617.4/19

+ sign 1256.453+/-0.180 χ^2/NDF: 714246.2/37

All: 1254.949+/-0.128 χ^2/NDF: 1085607.6/76

- sign 1253.395+/-0.183 χ^2/NDF: 371219.5/38



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 639.504+/-147.684 χ^2/NDF:61.3/21

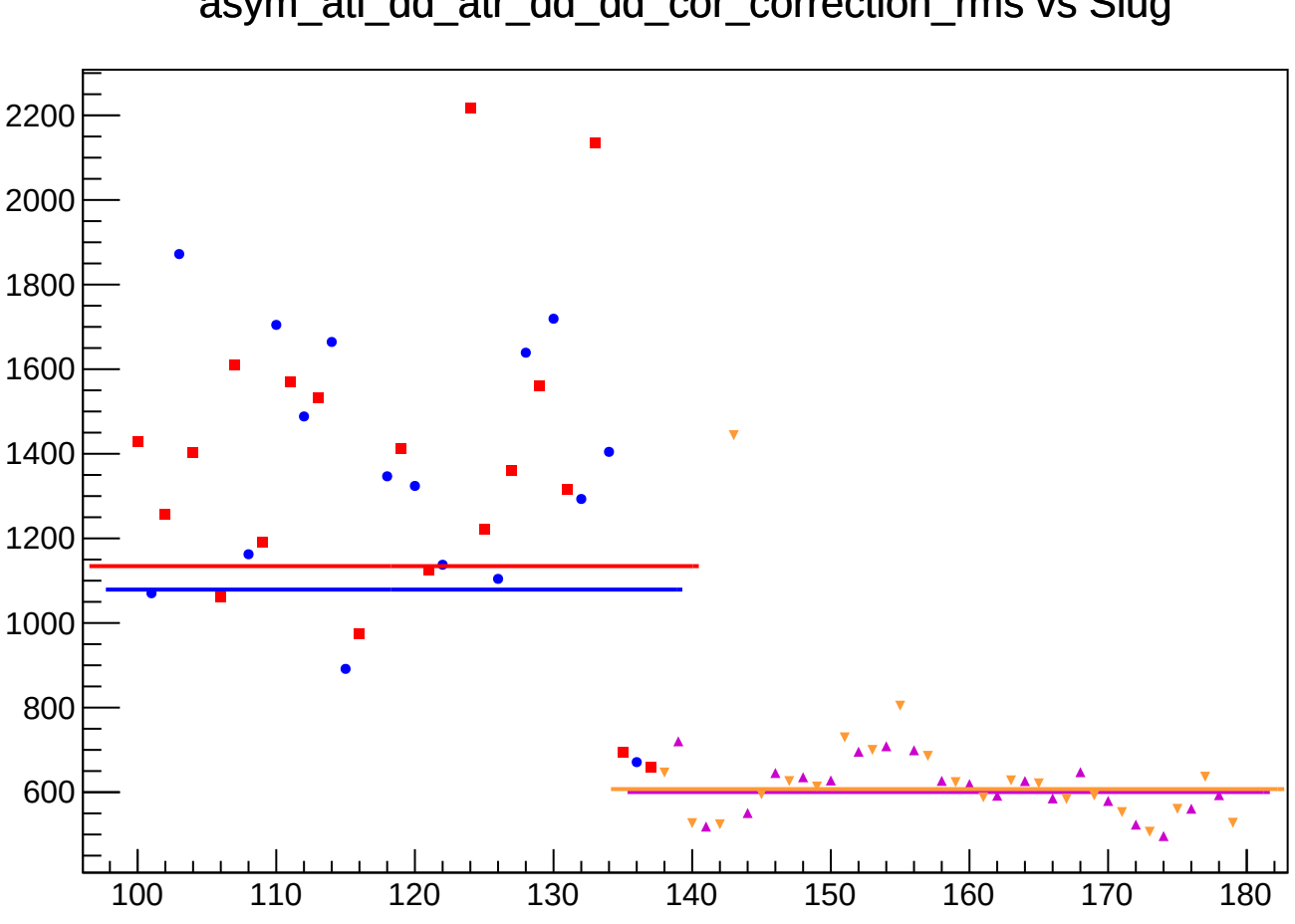
Right Out: 557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: 228.055+/-149.657 χ^2/NDF:17.1/19

+ sign 673.310+/-139.525 χ^2/NDF: 81.6/37

All: 470.928+/-99.423 χ^2/NDF: 121.9/76

- sign 262.156+/-141.710 χ^2/NDF: 36.0/38



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 607.355+/-0.104 χ^2/NDF:947134.5/21

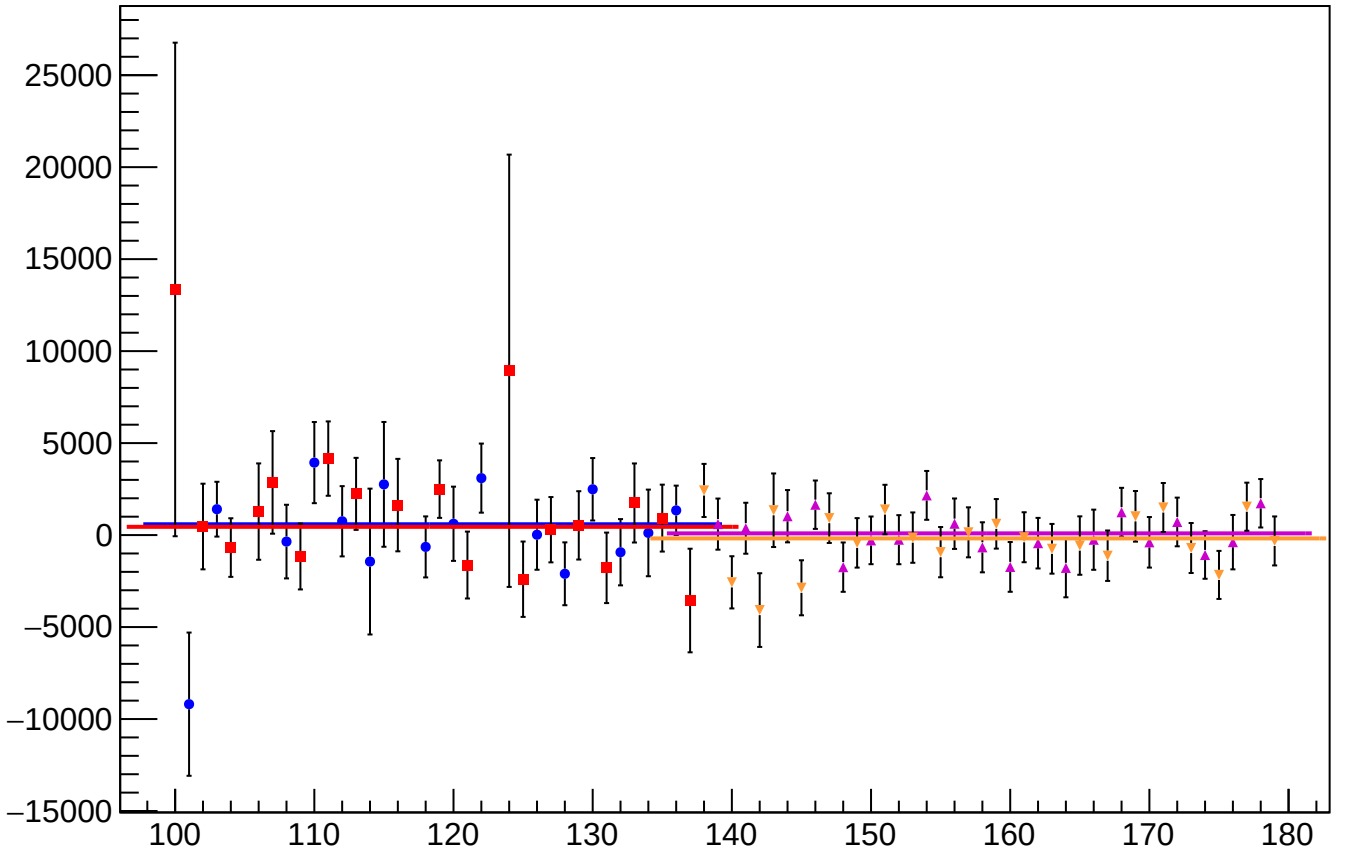
Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 600.404+/-0.106 χ^2/NDF:362683.1/19

\+ sign 658.022+/-0.099 χ^2/NDF: 4616870.1/37

All: 656.834+/-0.070 χ^2/NDF: 8901211.7/76

\- sign 655.608+/-0.100 χ^2/NDF: 4284046.8/38



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -181.681+/-299.752 χ^2/NDF:23.7/21

Right Out: 448.412+/-481.333 χ^2/NDF: 16.8/18

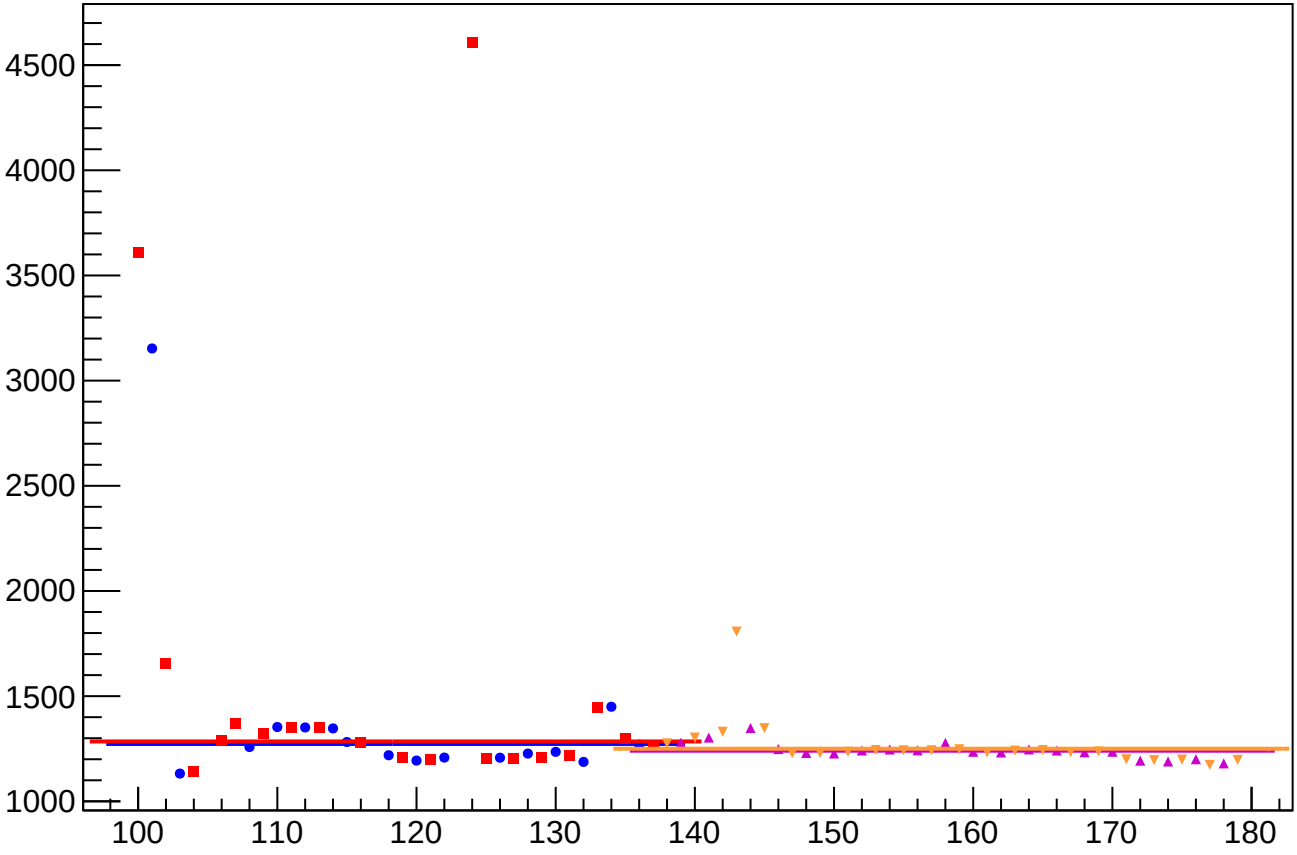
Left In: 92.963+/-307.018 χ^2/NDF:13.9/19

\+ sign 32.488+/-254.608 χ^2/NDF: 42.6/37

All: 112.775+/-181.514 χ^2/NDF: 73.9/76

\- sign 195.757+/-258.845 χ^2/NDF: 31.1/38

eigen_cor_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1250.141+/-0.212 χ^2/NDF:191762.2/21

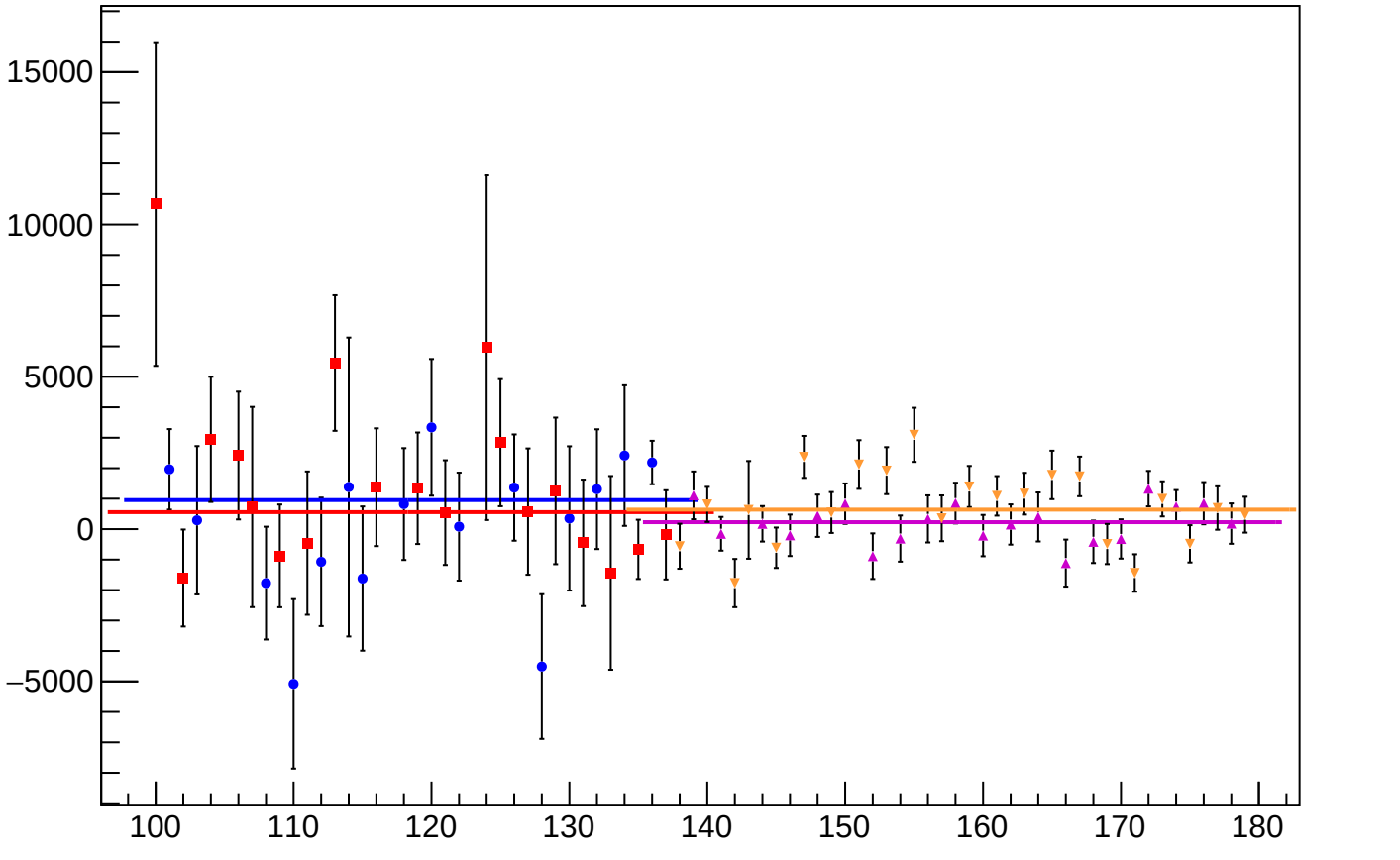
Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1240.677+/-0.217 χ^2/NDF:30617.4/19

+ sign 1256.453+/-0.180 χ^2/NDF: 714246.2/37

All: 1254.949+/-0.128 χ^2/NDF: 1085607.6/76

- sign 1253.395+/-0.183 χ^2/NDF: 371219.5/38



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 639.504+/-147.684 χ^2/NDF:61.3/21

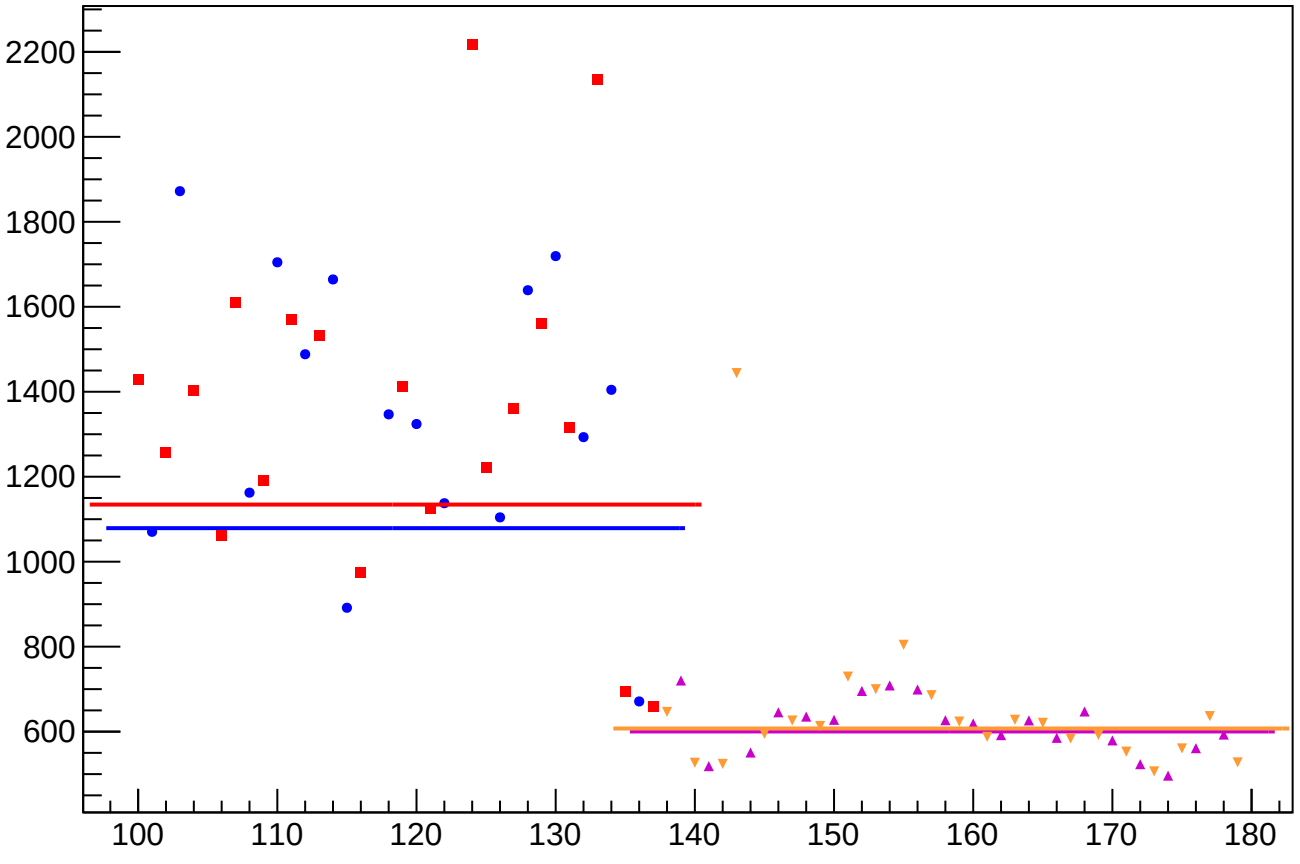
Right Out: 557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: 228.055+/-149.657 χ^2/NDF:17.1/19

+ sign 673.310+/-139.525 χ^2/NDF: 81.6/37

All: 470.928+/-99.423 χ^2/NDF: 121.9/76

- sign 262.156+/-141.710 χ^2/NDF: 36.0/38



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 607.355+/-0.104 χ^2/NDF:947134.5/21

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

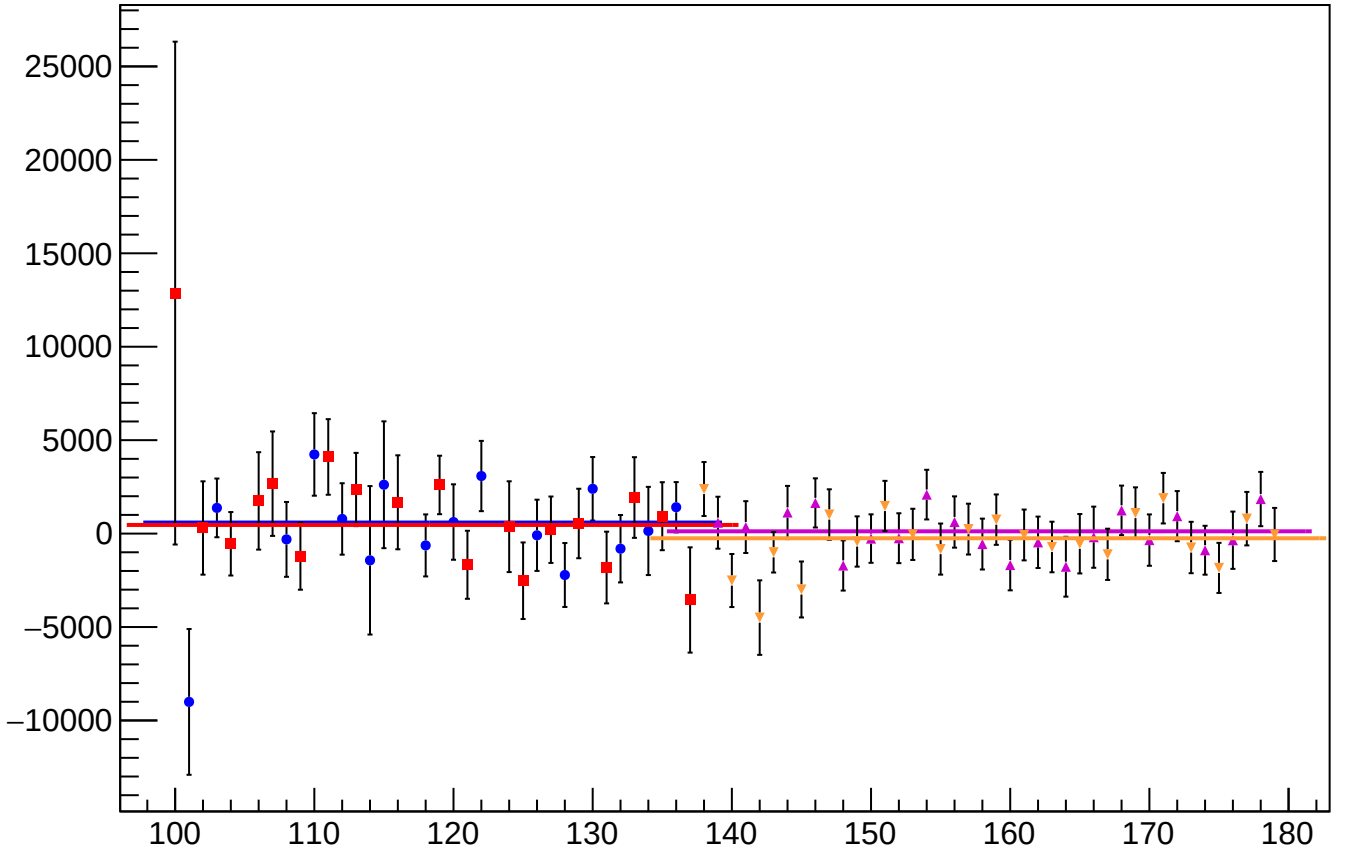
Left In: 600.404+/-0.106 χ^2/NDF:362683.1/19

+ sign 658.022+/-0.099 χ^2/NDF: 4616870.1/37

All: 656.834+/-0.070 χ^2/NDF: 8901211.7/76

- sign 655.608+/-0.100 χ^2/NDF: 4284046.8/38

dit_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 590.322+/-485.483 χ^2/NDF: 17.1/15

Left Out: -249.722+/-294.971 χ^2/NDF:23.8/21

Right Out: 462.606+/-476.795 χ^2/NDF: 16.7/18

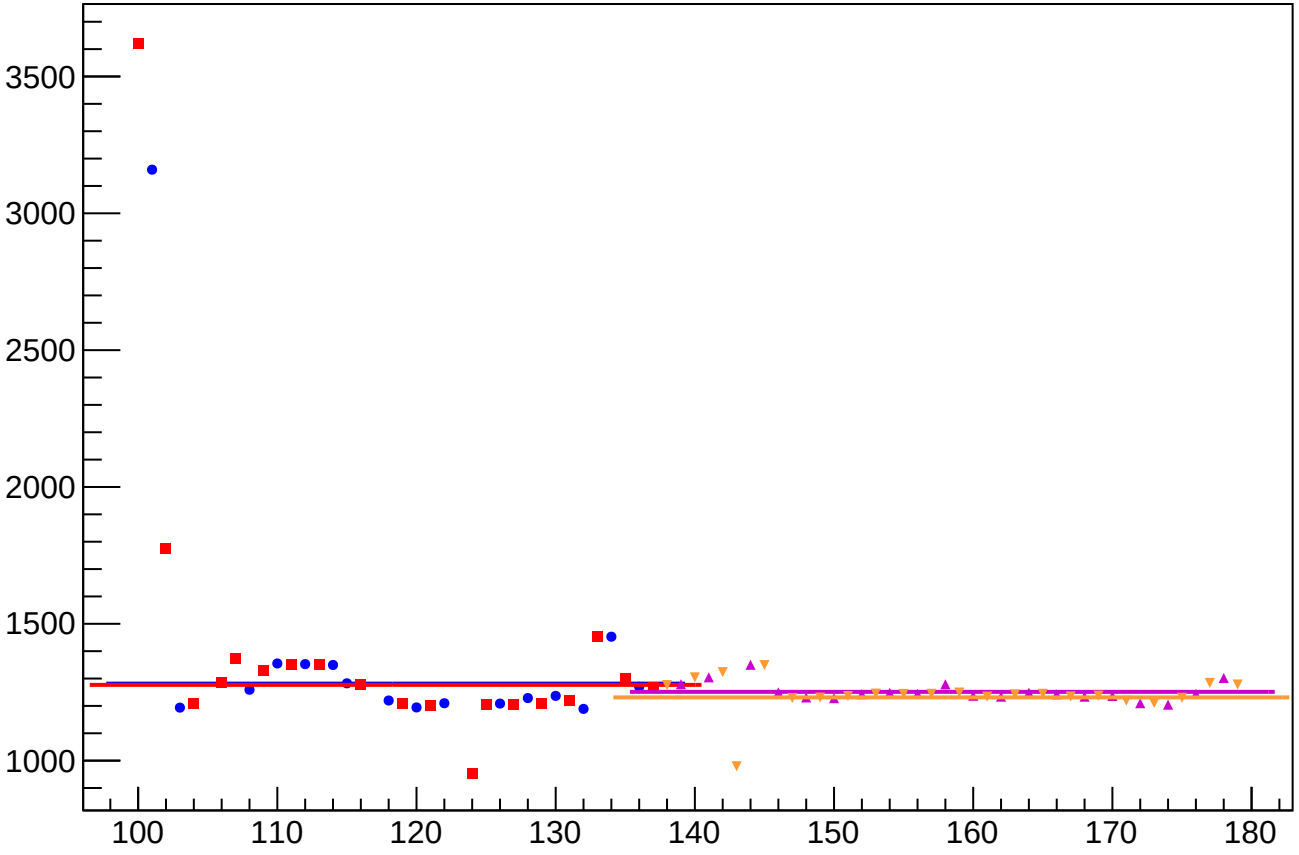
Left In: 121.738+/-309.641 χ^2/NDF:13.3/19

+ sign -23.226+/-252.088 χ^2/NDF: 43.1/37

All: 96.162+/-180.879 χ^2/NDF: 73.9/76

- sign 222.853+/-259.685 χ^2/NDF: 30.3/38

dit_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.4/15

Left Out: 1231.070+/-0.209 χ^2/NDF:138658.1/21

Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.6/18

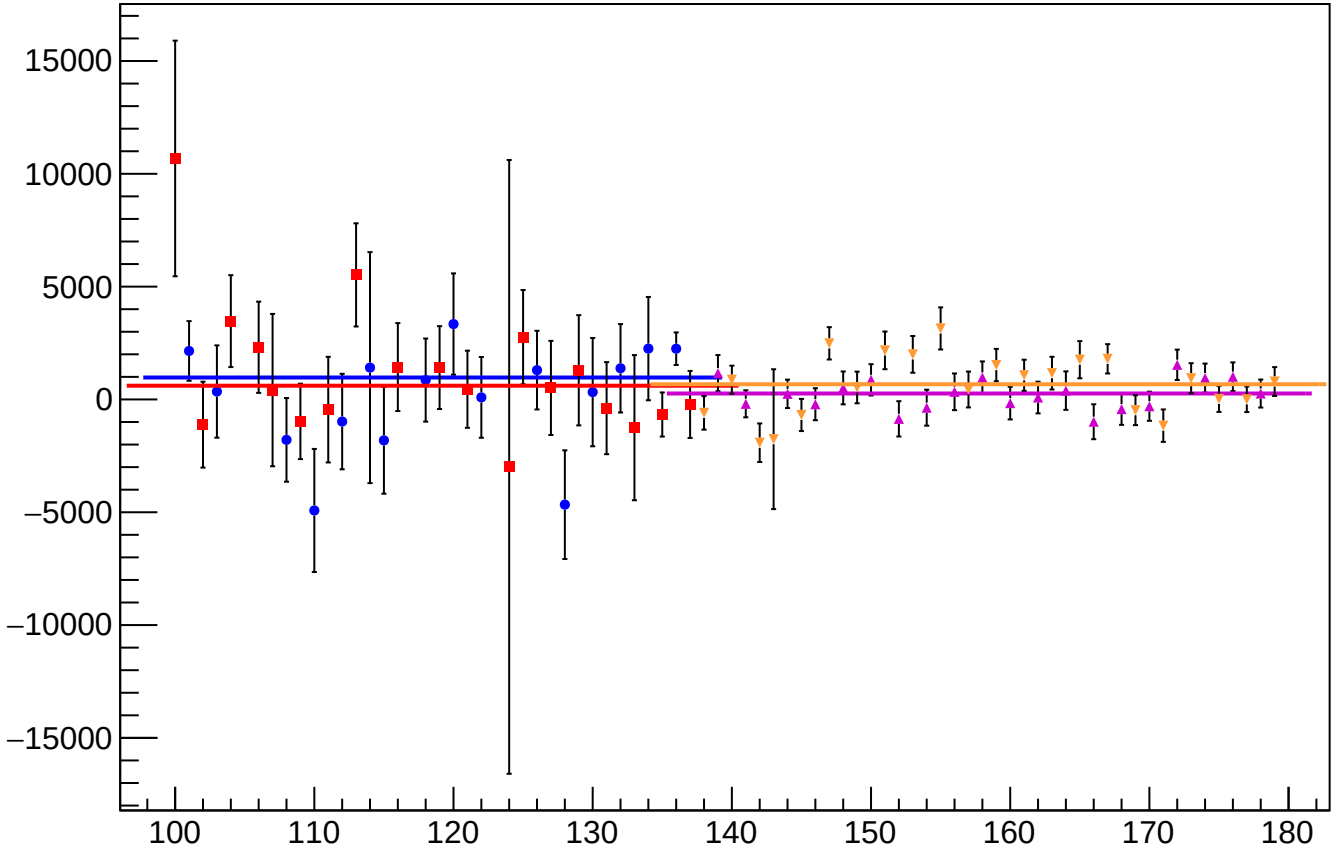
Left In: 1251.373+/-0.219 χ^2/NDF:23643.4/19

+ sign 1244.632+/-0.178 χ^2/NDF: 661416.5/37

All: 1251.571+/-0.128 χ^2/NDF: 912716.3/76

- sign 1258.934+/-0.184 χ^2/NDF: 248176.5/38

asym_atl_dd_atr_dd_dd_dit_correction_mean vs Slug



Right In: 972.287+/-425.219 χ^2/NDF: 20.4/15

Left Out: 673.126+/-153.713 χ^2/NDF:55.3/21

Right Out: 608.431+/-447.734 χ^2/NDF: 17.1/18

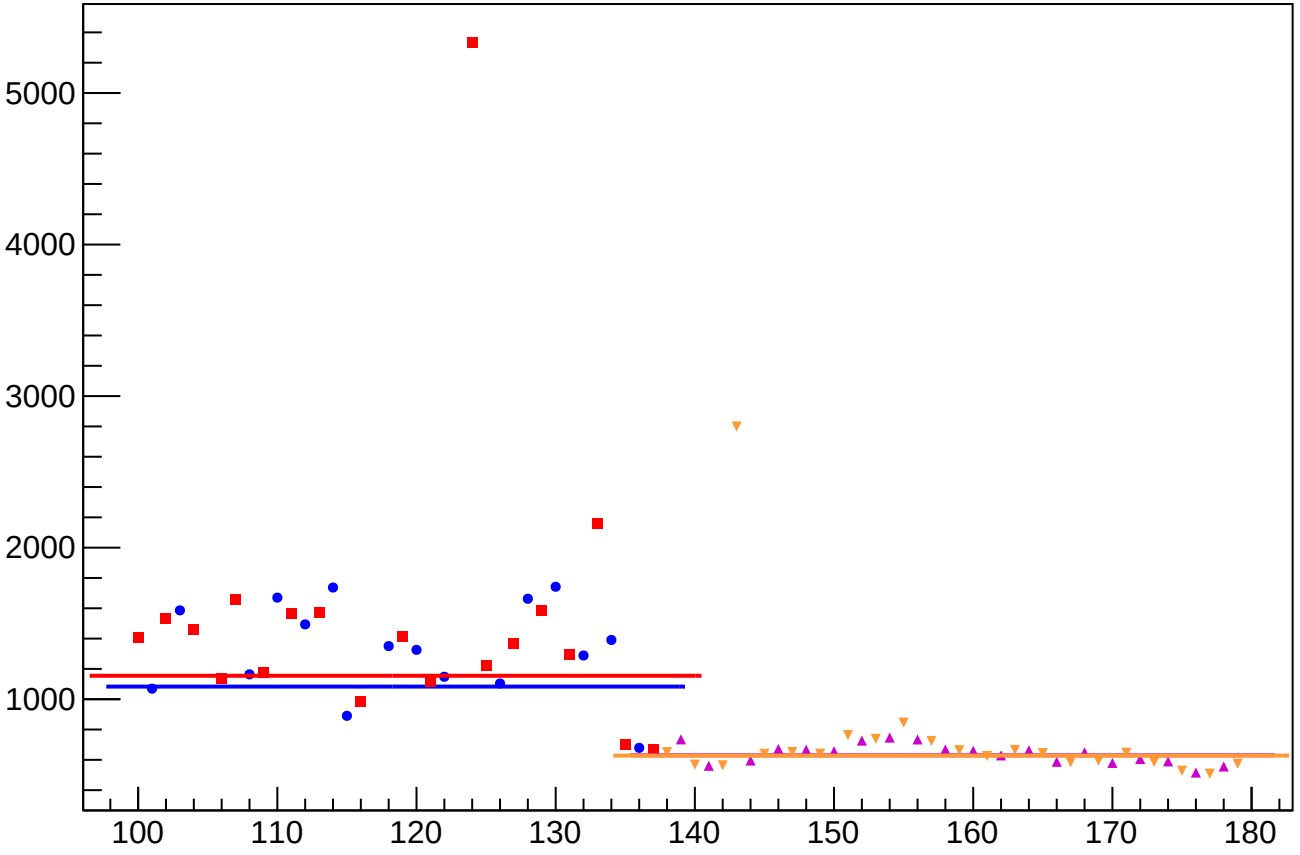
Left In: 263.517+/-156.871 χ^2/NDF:17.7/19

+ sign 707.701+/-144.558 χ^2/NDF: 76.2/37

All: 509.311+/-103.430 χ^2/NDF: 115.4/76

- sign 301.228+/-148.047 χ^2/NDF: 35.4/38

asym_atl_dd_atr_dd_dd_dit_correction_rms vs Slug



Right In: 1083.335+/-0.301 χ^2/NDF: 1360153.3/15

Left Out: 627.907+/-0.109 χ^2/NDF:1443082.4/21

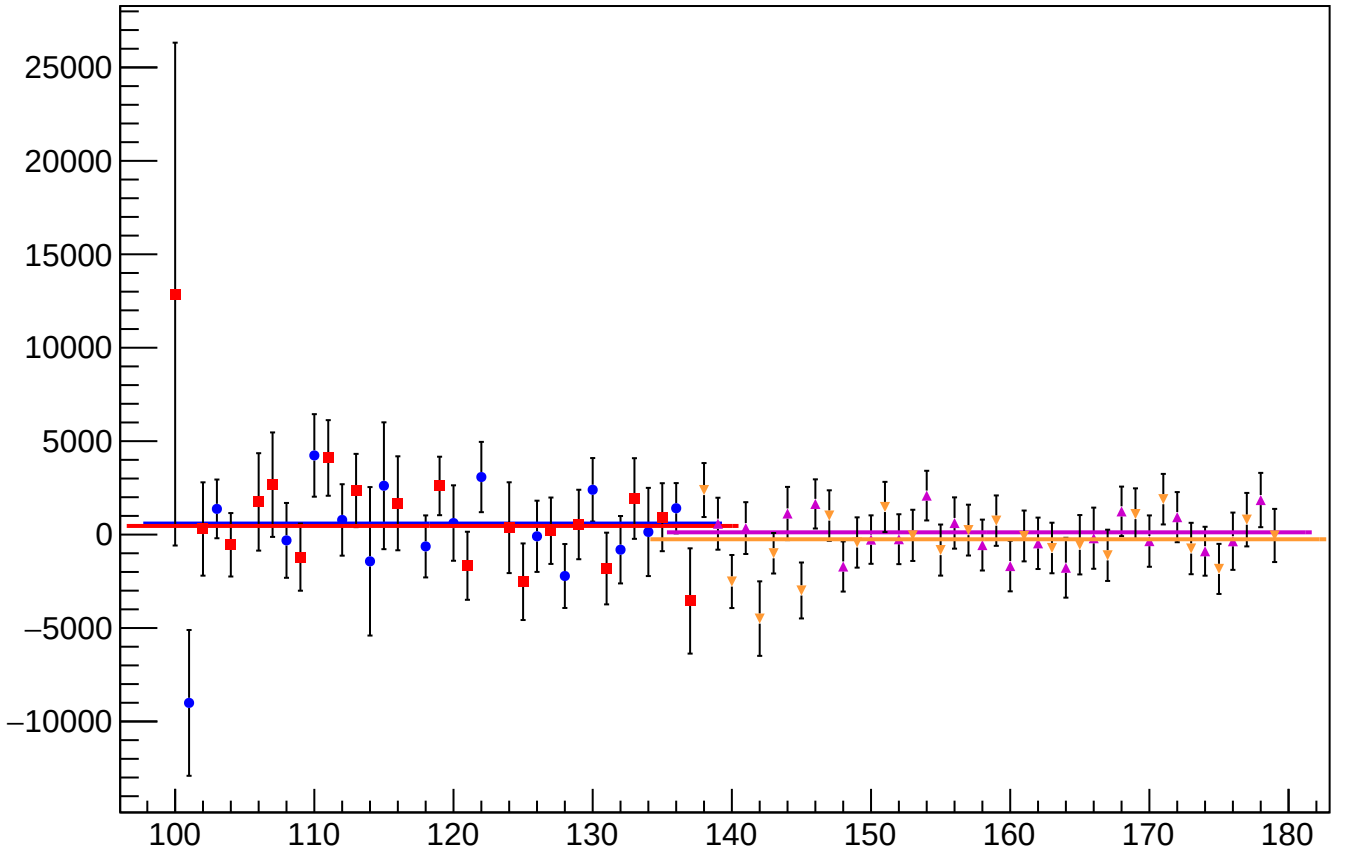
Right Out: 1154.724+/-0.317 χ^2/NDF: 1488304.5/18

Left In: 629.938+/-0.111 χ^2/NDF:324416.8/19

+ sign 680.543+/-0.102 χ^2/NDF: 4832346.1/37

All: 683.848+/-0.073 χ^2/NDF: 9094406.0/76

- sign 687.316+/-0.105 χ^2/NDF: 4259916.9/38



Right In: 590.323+/-485.483 χ^2/NDF: 17.1/15

Left Out: -249.724+/-294.971 χ^2/NDF:23.8/21

Right Out: 462.605+/-476.795 χ^2/NDF: 16.7/18

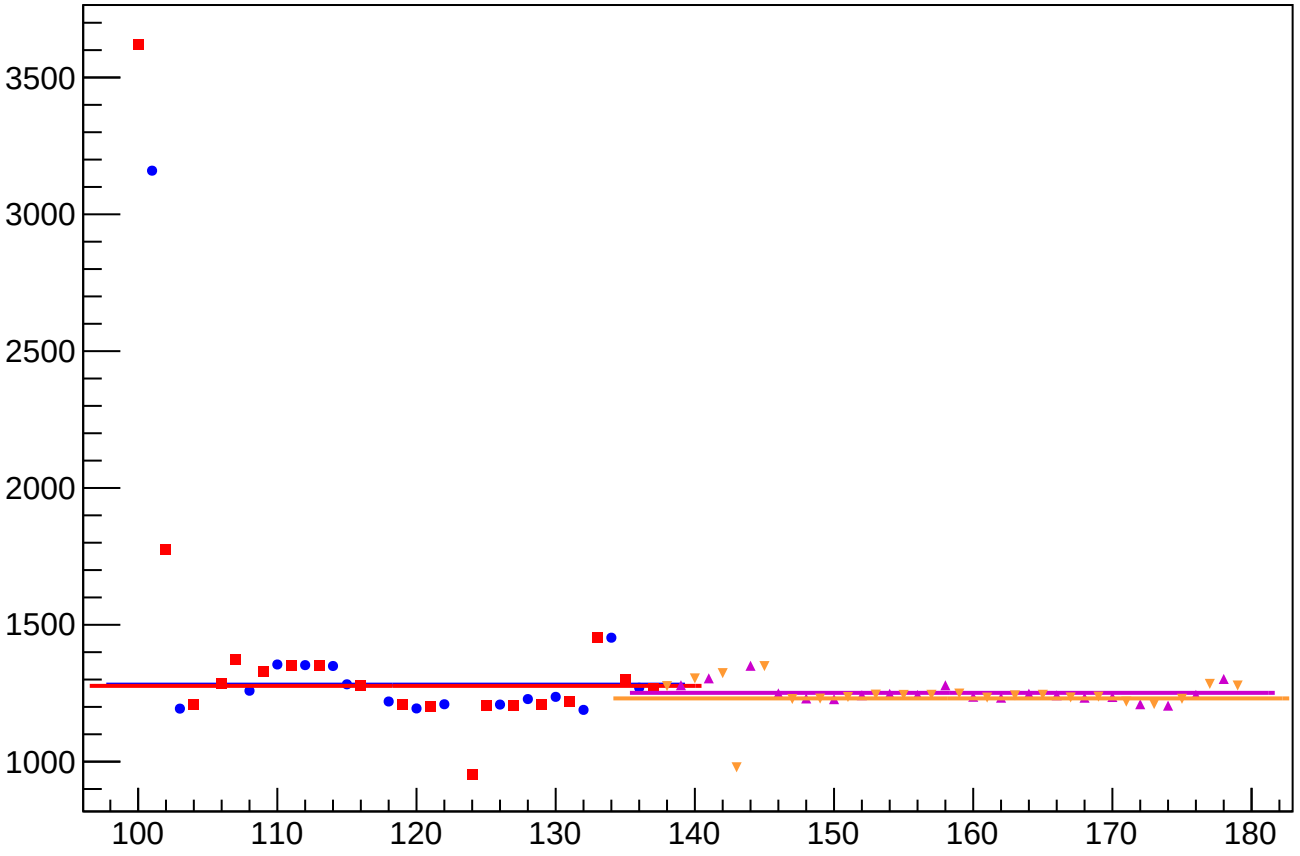
Left In: 121.737+/-309.641 χ^2/NDF:13.3/19

\+ sign -23.227+/-252.088 χ^2/NDF: 43.1/37

All: 96.161+/-180.879 χ^2/NDF: 73.9/76

\- sign 222.853+/-259.685 χ^2/NDF: 30.3/38

eigen_dit_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.6/15

Left Out: 1231.070+/-0.209 χ^2/NDF:138657.2/21

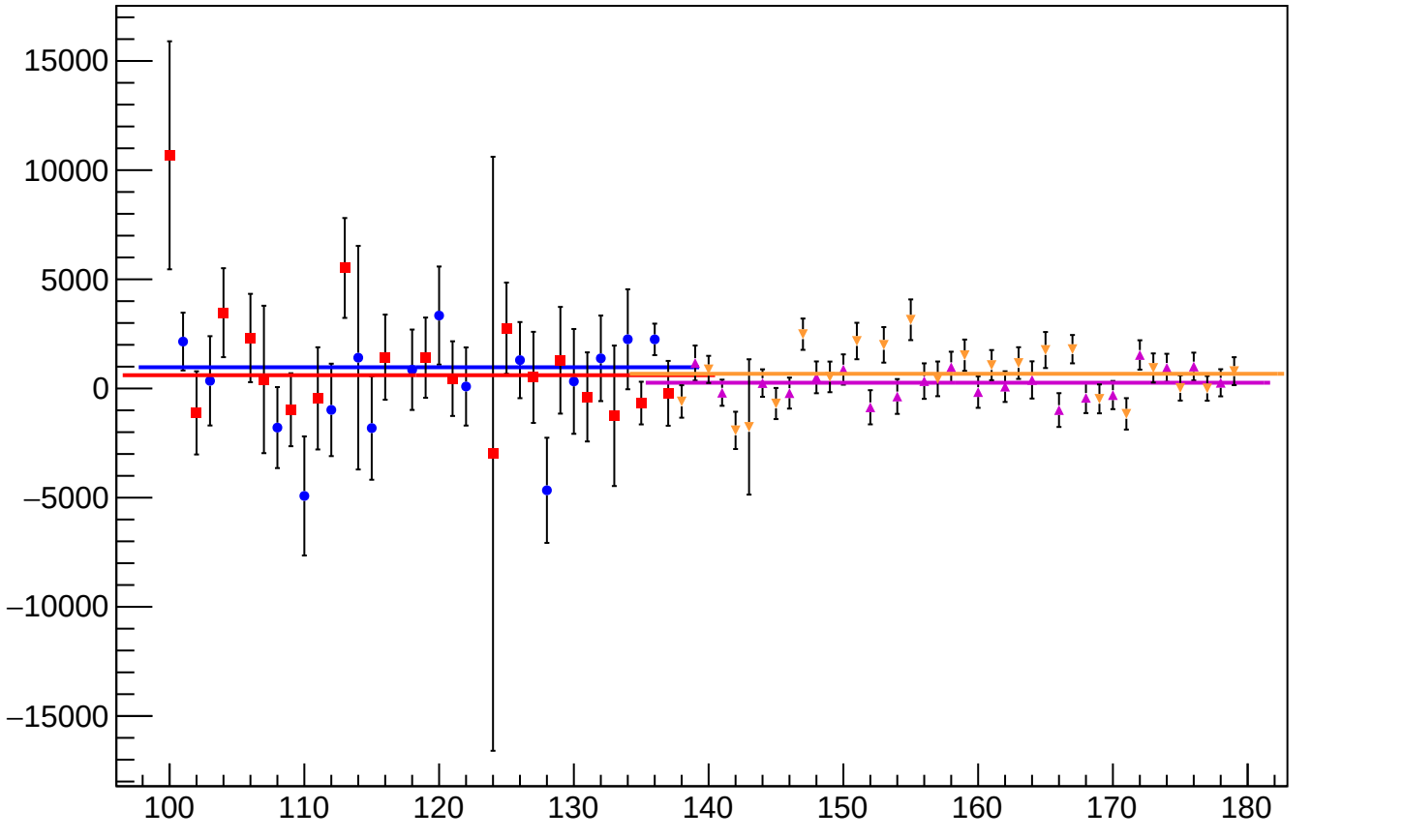
Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.5/18

Left In: 1251.373+/-0.219 χ^2/NDF:23643.3/19

+ sign 1244.632+/-0.178 χ^2/NDF: 661415.7/37

All: 1251.570+/-0.128 χ^2/NDF: 912715.3/76

- sign 1258.934+/-0.184 χ^2/NDF: 248176.3/38



Right In: 972.281+/-425.220 χ^2/NDF: 20.4/15

Left Out: 673.126+/-153.713 χ^2/NDF:55.3/21

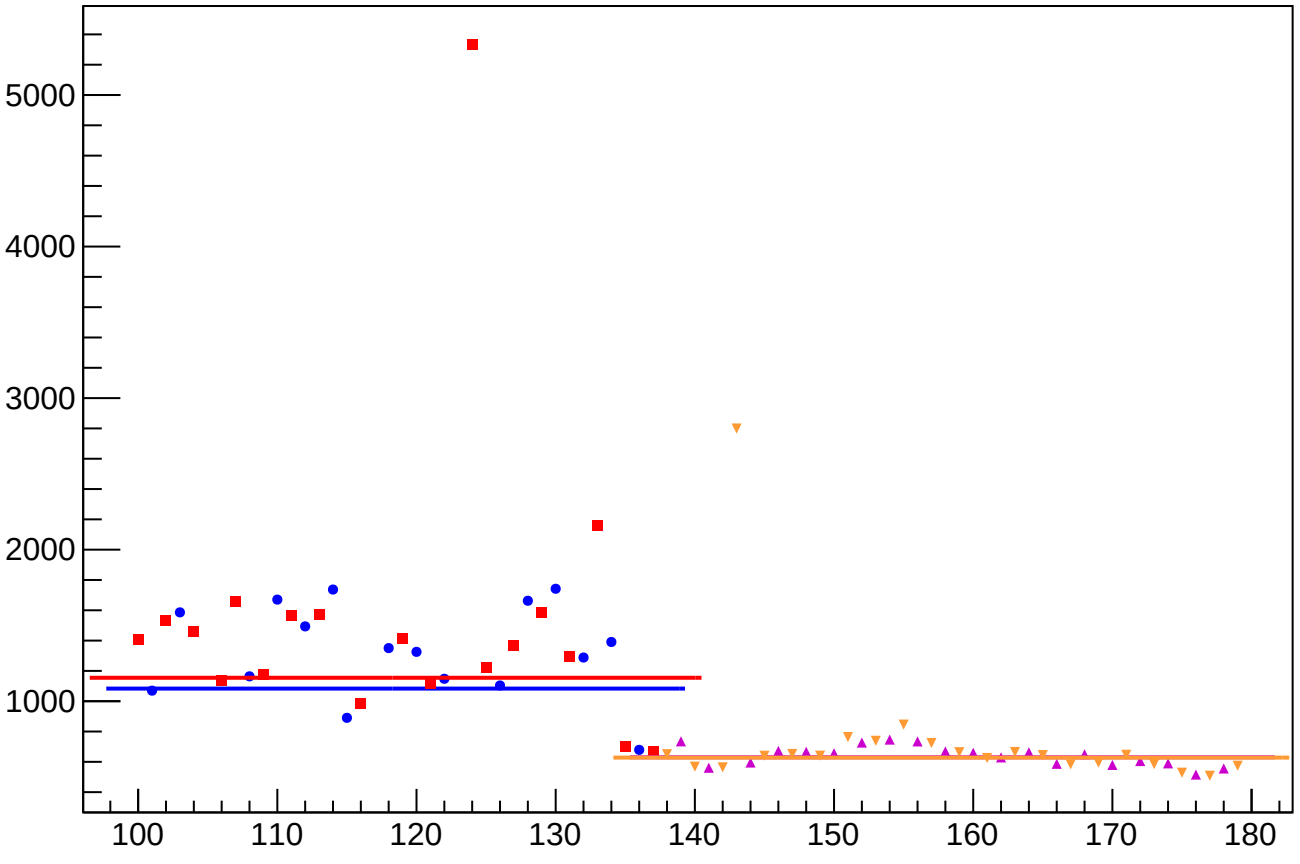
Right Out: 608.441+/-447.736 χ^2/NDF: 17.1/18

Left In: 263.516+/-156.871 χ^2/NDF:17.7/19

+ sign 707.701+/-144.558 χ^2/NDF: 76.2/37

All: 509.310+/-103.429 χ^2/NDF: 115.4/76

- sign 301.228+/-148.047 χ^2/NDF: 35.4/38



Right In: 1083.341+/-0.301 χ^2/NDF: 1360095.7/15

Left Out: 627.907+/-0.109 χ^2/NDF:1443081.2/21

Right Out: 1154.732+/-0.317 χ^2/NDF: 1488251.4/18

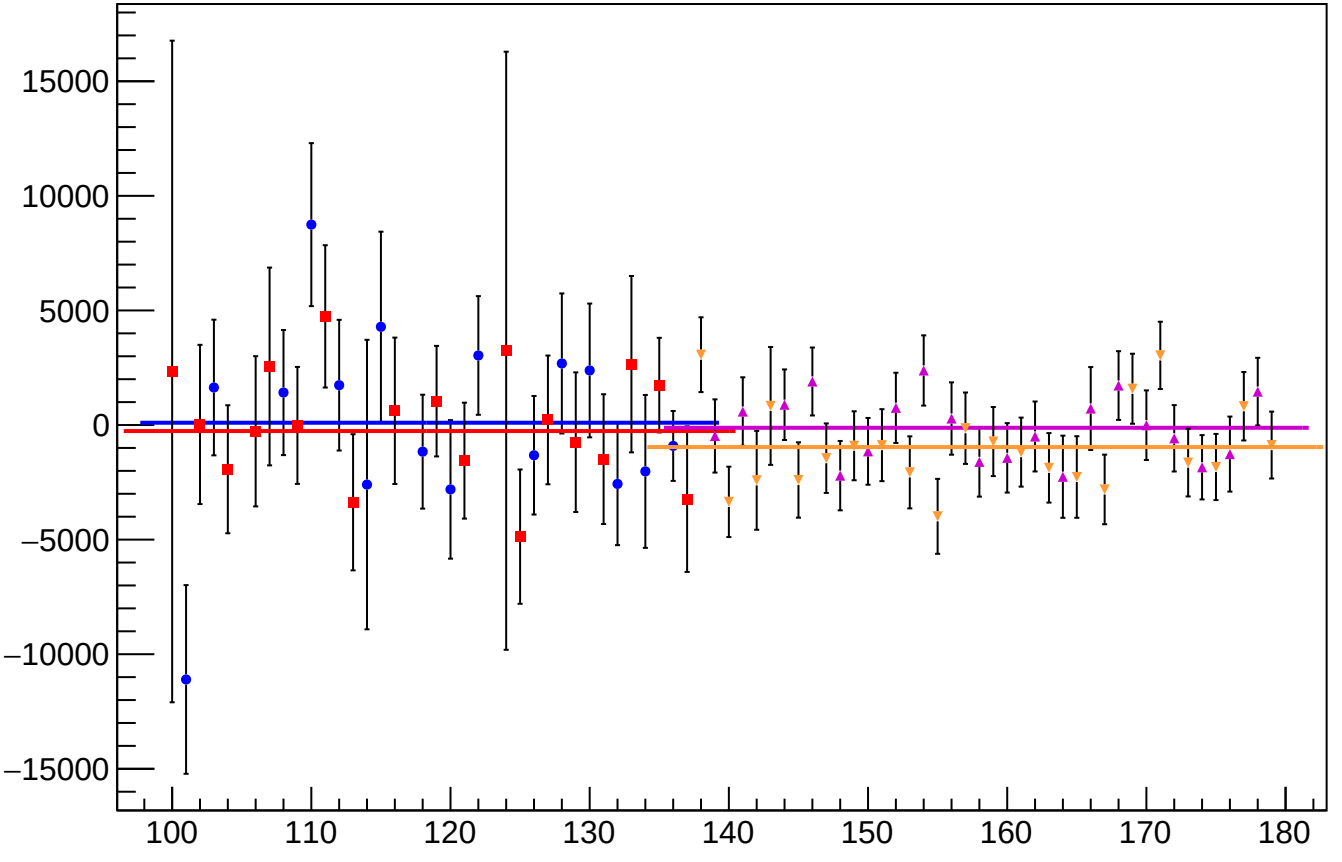
Left In: 629.938+/-0.111 χ^2/NDF:324421.7/19

+ sign 680.543+/-0.102 χ^2/NDF: 4832334.0/37

All: 683.848+/-0.073 χ^2/NDF: 9094402.4/76

- sign 687.315+/-0.105 χ^2/NDF: 4259925.7/38

asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 100.451+/-698.983 χ^2/NDF: 21.3/15

Left Out: -961.866+/-336.664 χ^2/NDF:29.2/21

Right Out: -262.731+/-699.724 χ^2/NDF: 10.3/18

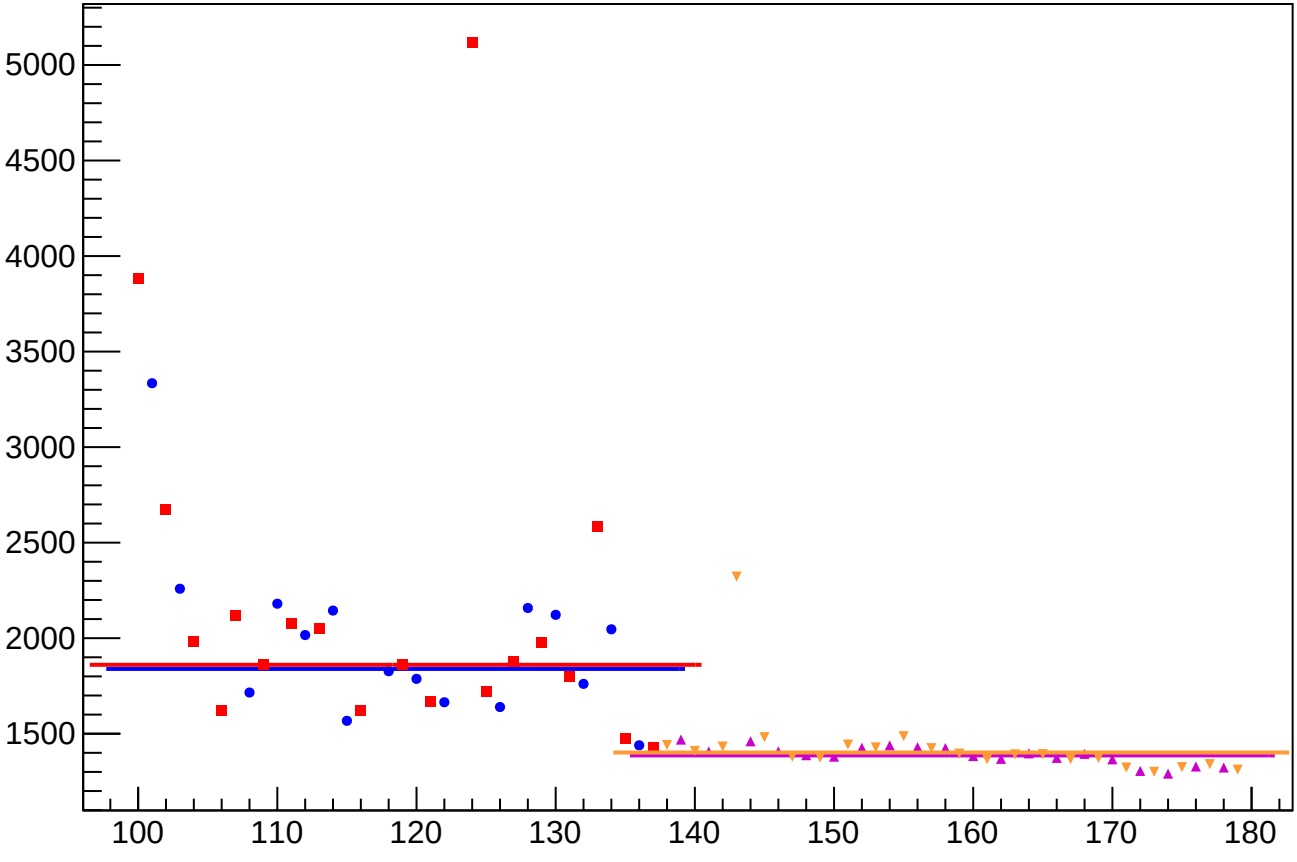
Left In: -119.804+/-343.188 χ^2/NDF:16.2/19

+ sign -761.829+/-303.315 χ^2/NDF: 52.3/37

All: -459.504+/-216.156 χ^2/NDF: 80.9/76

- sign -147.519+/-308.123 χ^2/NDF: 26.6/38

asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1839.113+/-0.494 χ^2/NDF: 556725.4/15

Left Out: 1401.617+/-0.238 χ^2/NDF:306291.0/21

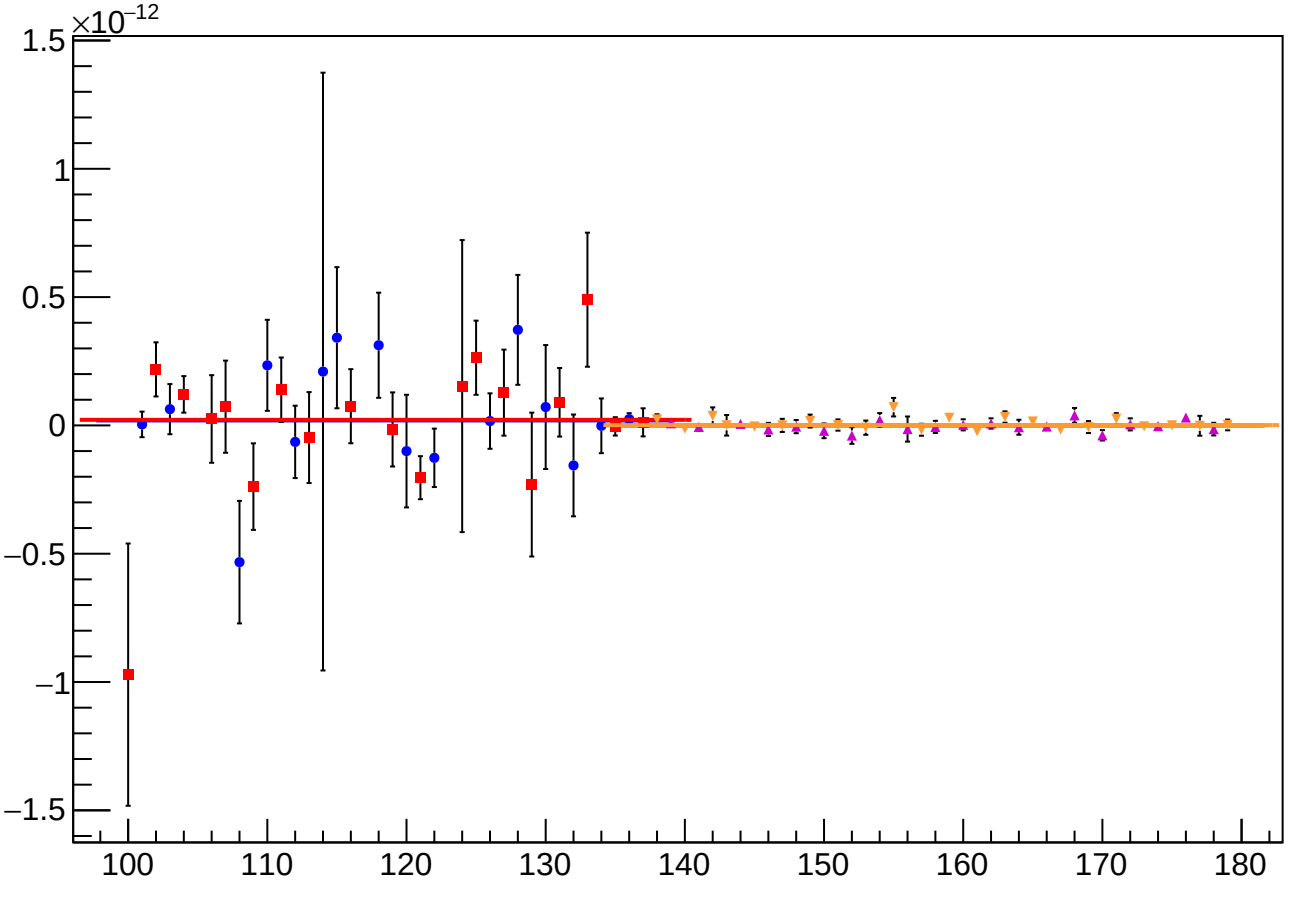
Right Out: 1860.754+/-0.495 χ^2/NDF: 522114.2/18

Left In: 1386.544+/-0.243 χ^2/NDF:39873.0/19

+ sign 1483.999+/-0.214 χ^2/NDF: 1498991.9/37

All: 1481.292+/-0.153 χ^2/NDF: 2801776.0/76

- sign 1478.499+/-0.218 χ^2/NDF: 1302460.5/38



Right In: 0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.7/21

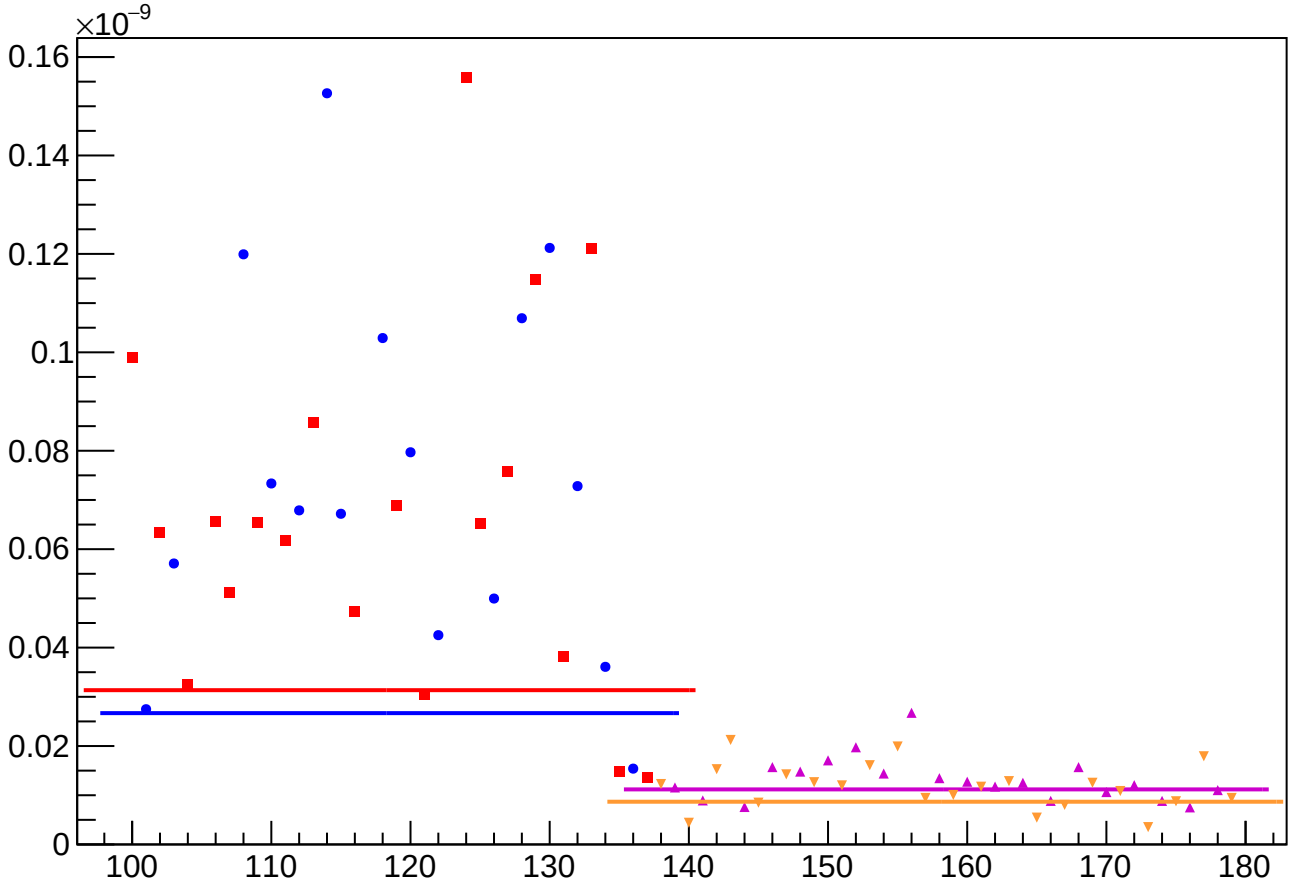
Right Out: 0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: -0.000+/-0.000 χ^2/NDF:13.0/19

+ sign 0.000+/-0.000 χ^2/NDF: 36.1/37

All: 0.000+/-0.000 χ^2/NDF: 78.2/76

- sign 0.000+/-0.000 χ^2/NDF: 42.1/38



Right In: 0.000+/-0.000 χ^2/NDF: 2580672.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:2116927.3/21

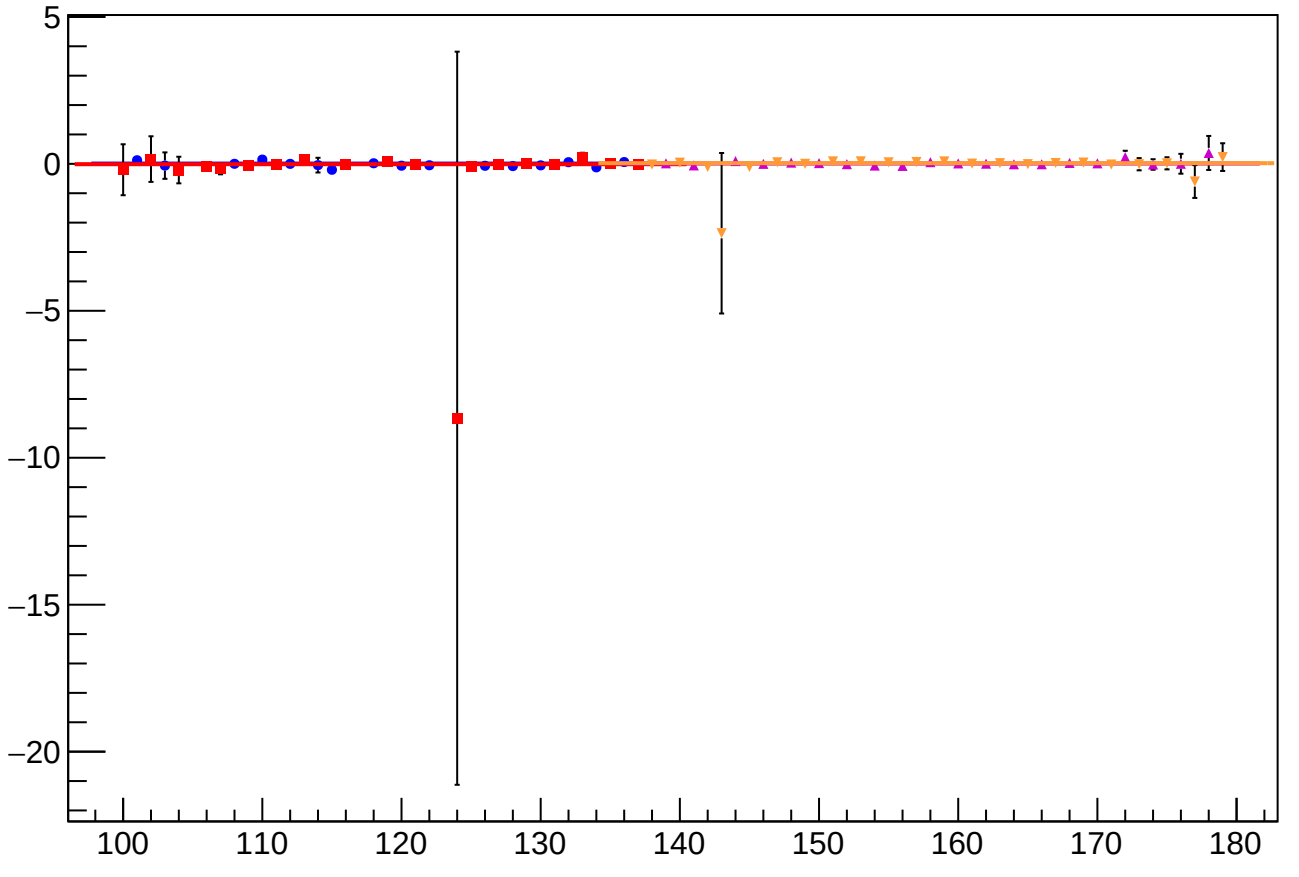
Right Out: 0.000+/-0.000 χ^2/NDF: 2275167.3/18

Left In: 0.000+/-0.000 χ^2/NDF:988305.0/19

+ sign 0.000+/-0.000 χ^2/NDF: 6452614.5/37

All: 0.000+/-0.000 χ^2/NDF: 11654885.5/76

- sign 0.000+/-0.000 χ^2/NDF: 4826815.5/38



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.023+/-0.010 χ^2/NDF:19.6/21

Right Out: -0.012+/-0.017 χ^2/NDF: 12.6/18

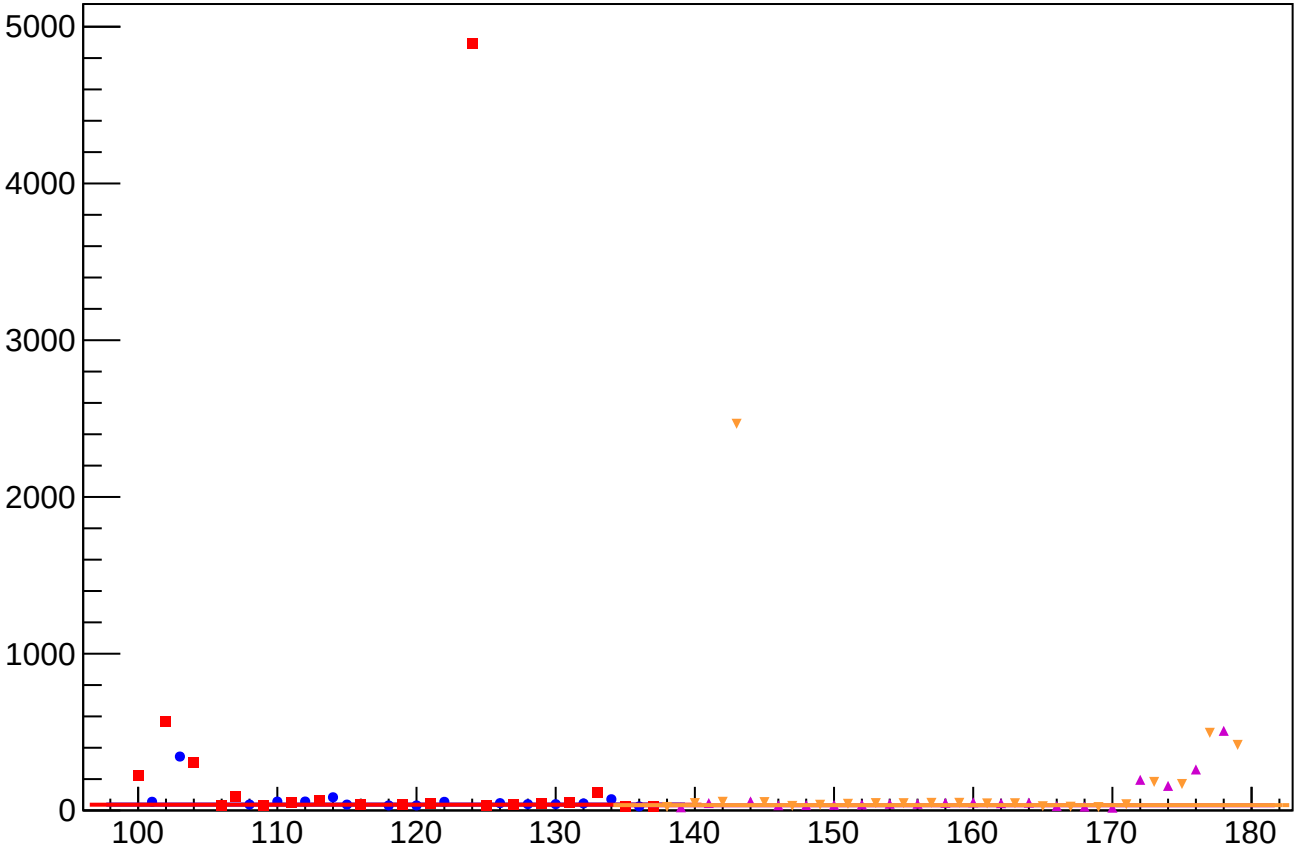
Left In: 0.010+/-0.010 χ^2/NDF:12.3/19

+ sign 0.019+/-0.009 χ^2/NDF: 39.4/37

All: 0.011+/-0.006 χ^2/NDF: 67.0/76

- sign 0.004+/-0.009 χ^2/NDF: 26.3/38

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_rms vs Slug



Right In: 37.494+/-0.011 χ^2/NDF: 1983275.6/15

Left Out: 34.002+/-0.007 χ^2/NDF:8549355.4/21

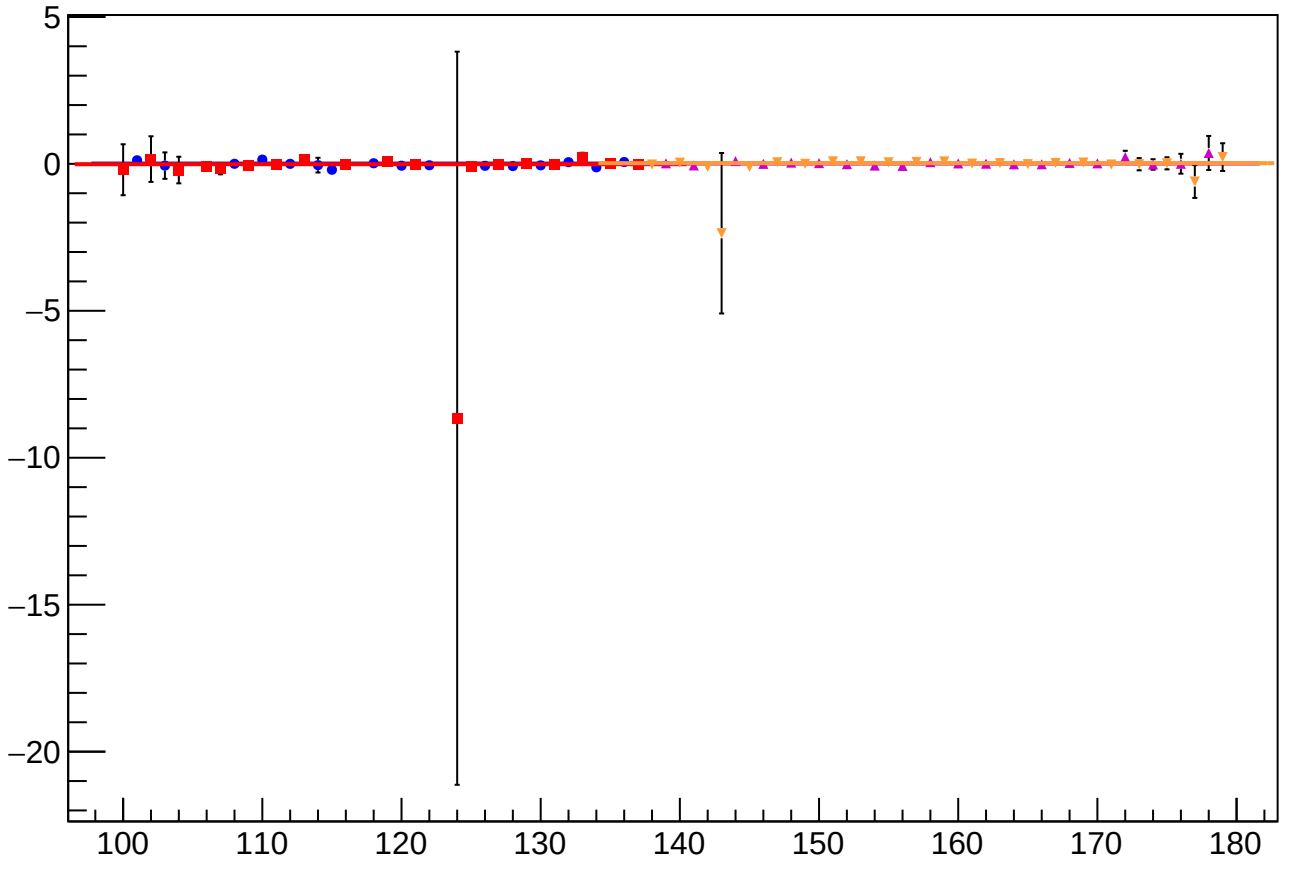
Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 32.959+/-0.007 χ^2/NDF:7081789.7/19

+ sign 35.007+/-0.006 χ^2/NDF: 10599825.5/37

All: 34.480+/-0.004 χ^2/NDF: 20964385.8/76

- sign 33.964+/-0.006 χ^2/NDF: 10349794.6/38



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.023+/-0.010 χ^2/NDF:19.6/21

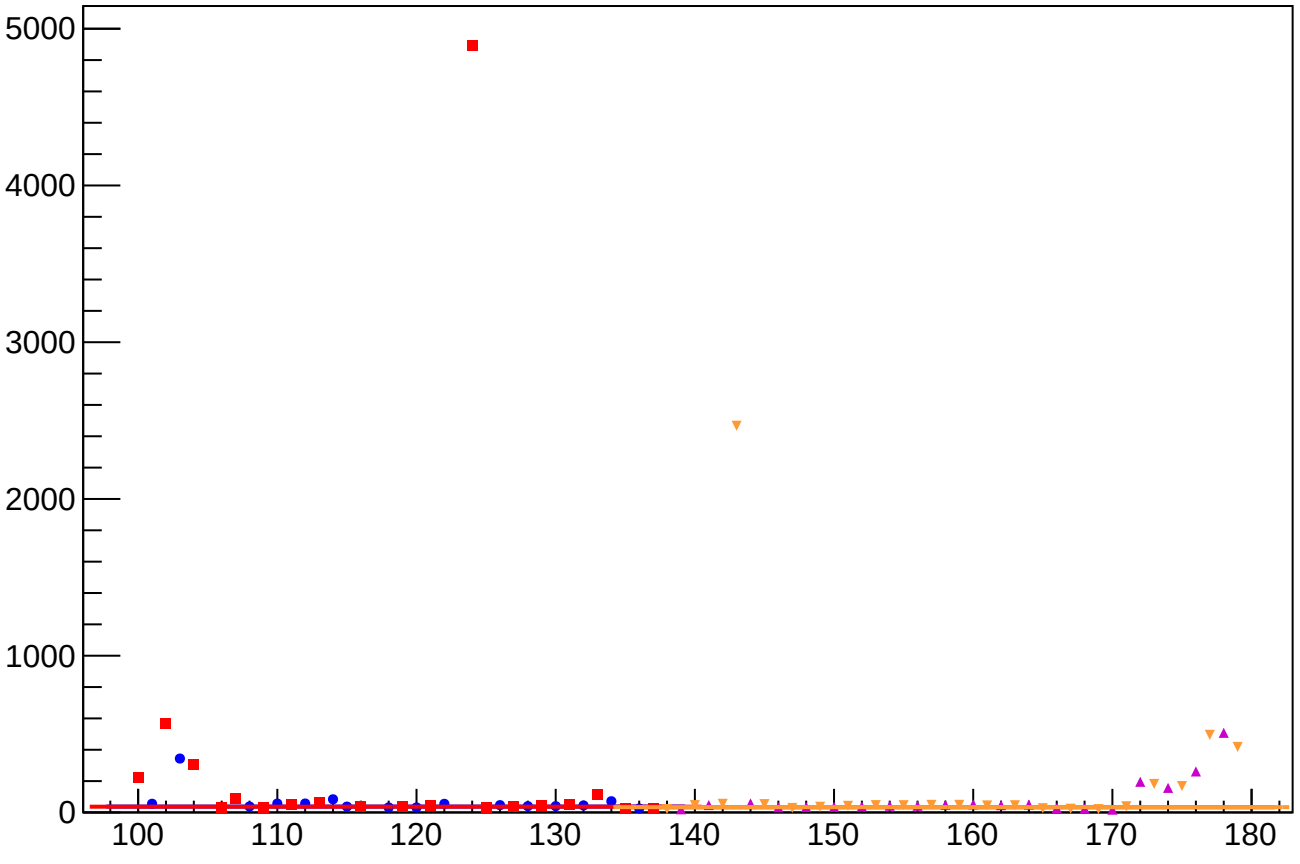
Right Out: -0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: 0.010+/-0.010 χ^2/NDF:12.3/19

+ sign 0.019+/-0.009 χ^2/NDF: 39.4/37

All: 0.011+/-0.006 χ^2/NDF: 67.0/76

- sign 0.004+/-0.009 χ^2/NDF: 26.3/38



Right In: 37.494+/-0.011 χ^2/NDF: 1983275.6/15

Left Out: 34.002+/-0.007 χ^2/NDF:8549355.4/21

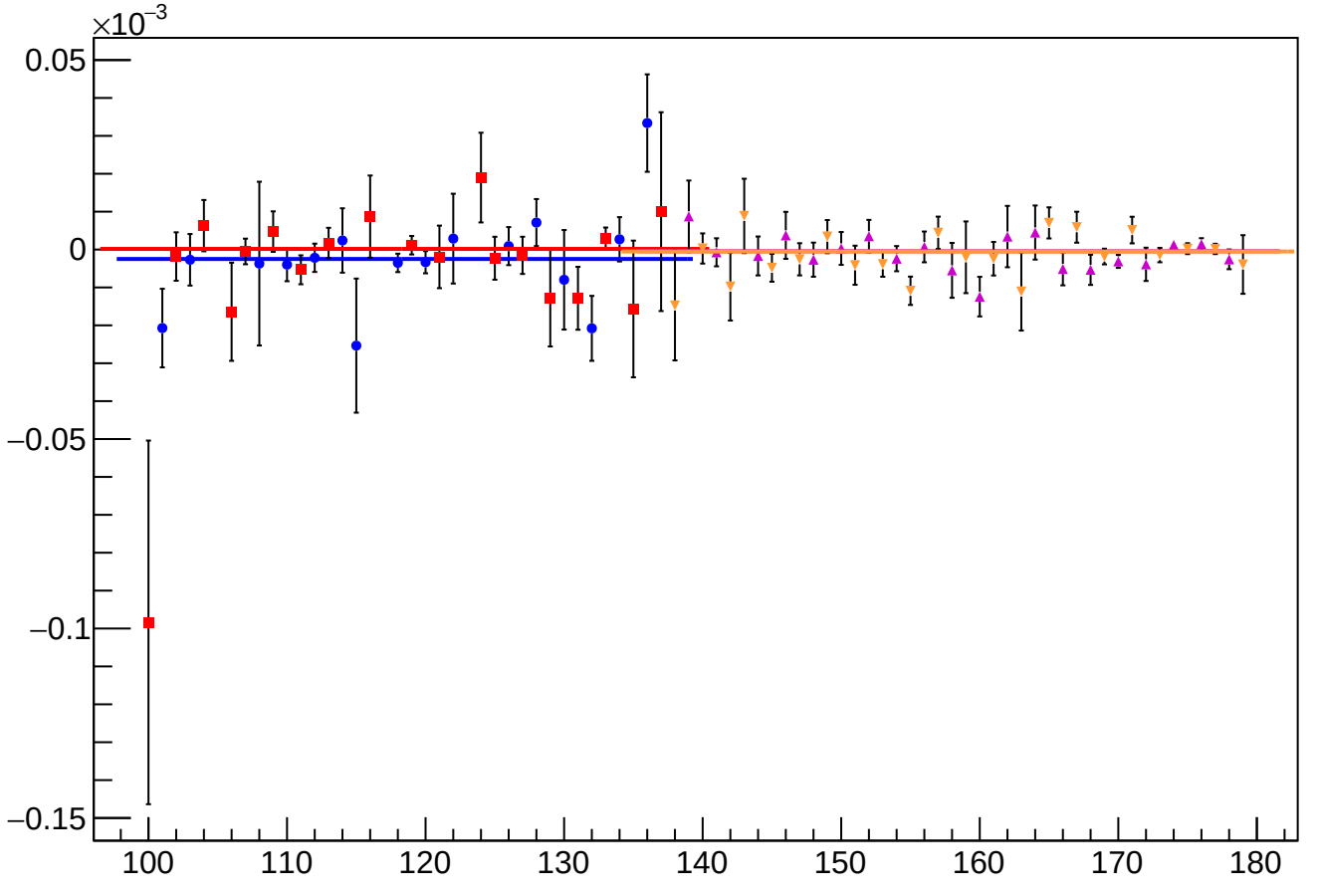
Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 32.959+/-0.007 χ^2/NDF:7081789.7/19

\+ sign 35.007+/-0.006 χ^2/NDF: 10599825.5/37

All: 34.480+/-0.004 χ^2/NDF: 20964385.8/76

\- sign 33.964+/-0.006 χ^2/NDF: 10349794.6/38



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:27.0/21

Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/18

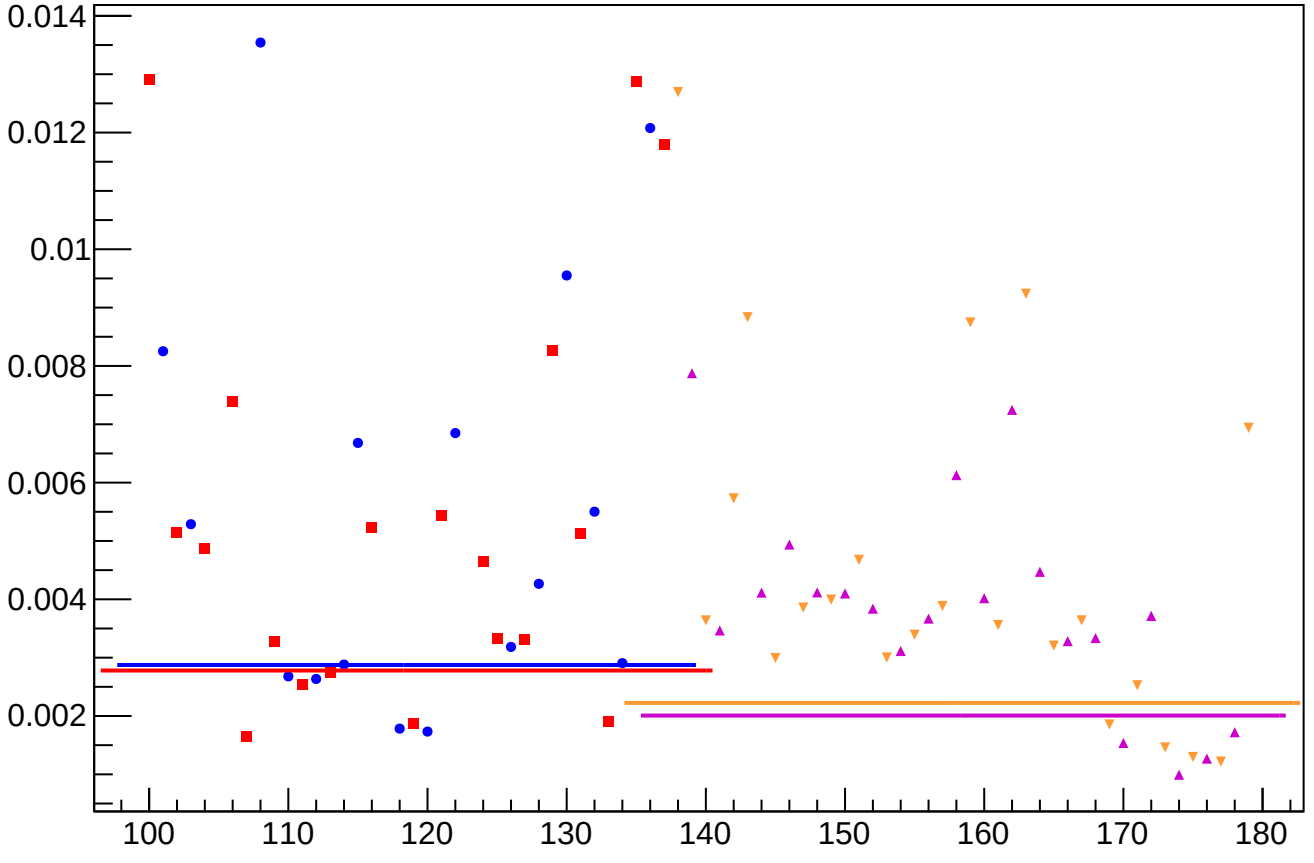
Left In: -0.000+/-0.000 χ^2/NDF:19.6/19

+ sign -0.000+/-0.000 χ^2/NDF: 50.7/37

All: -0.000+/-0.000 χ^2/NDF: 89.9/76

- sign -0.000+/-0.000 χ^2/NDF: 38.7/38

asym_atl_dd_atr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 4152056.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:9758639.5/21

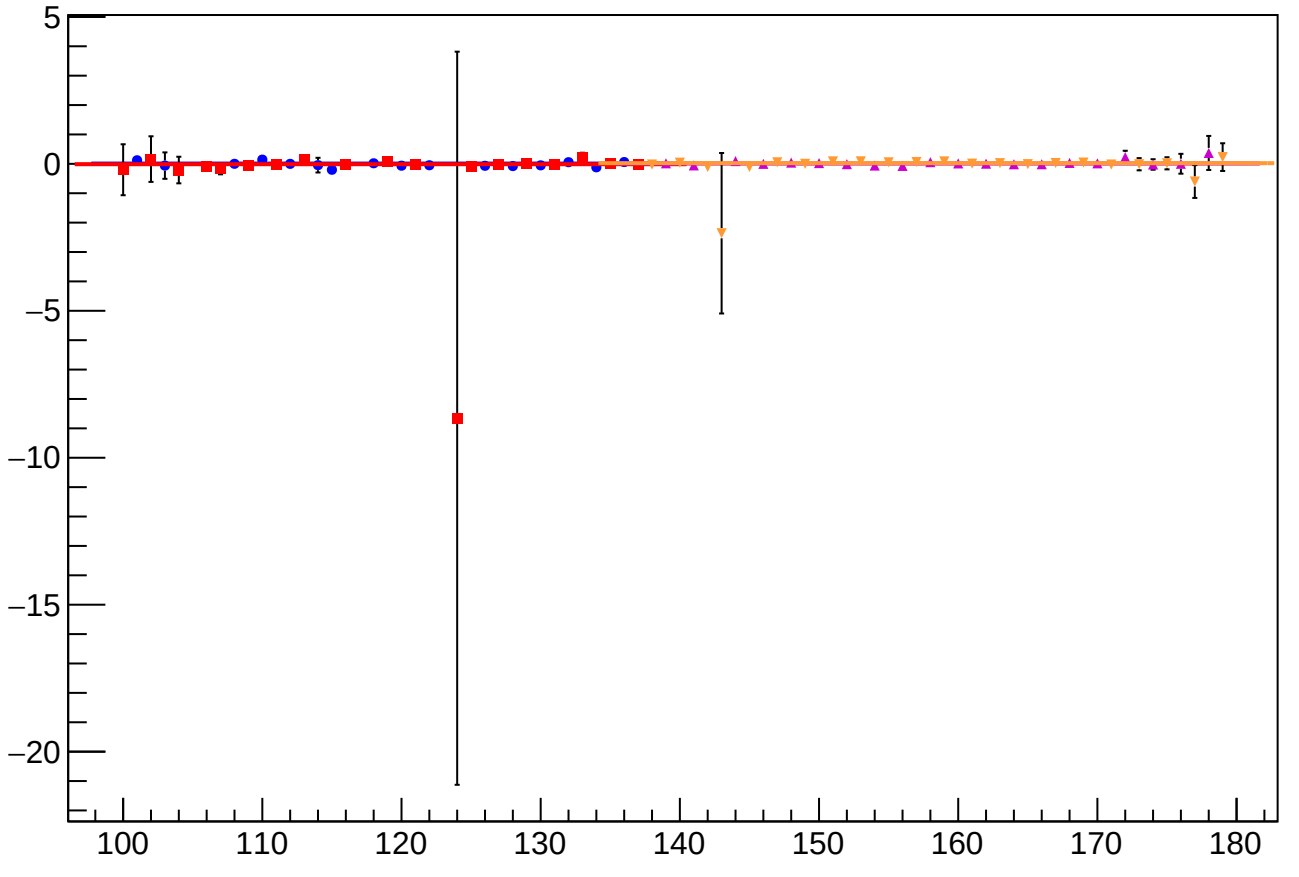
Right Out: 0.003+/-0.000 χ^2/NDF: 3311178.7/18

Left In: 0.002+/-0.000 χ^2/NDF:8778357.6/19

+ sign 0.002+/-0.000 χ^2/NDF: 14308084.0/37

All: 0.002+/-0.000 χ^2/NDF: 27154661.6/76

- sign 0.002+/-0.000 χ^2/NDF: 12757719.0/38



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.023+/-0.010 χ^2/NDF:19.6/21

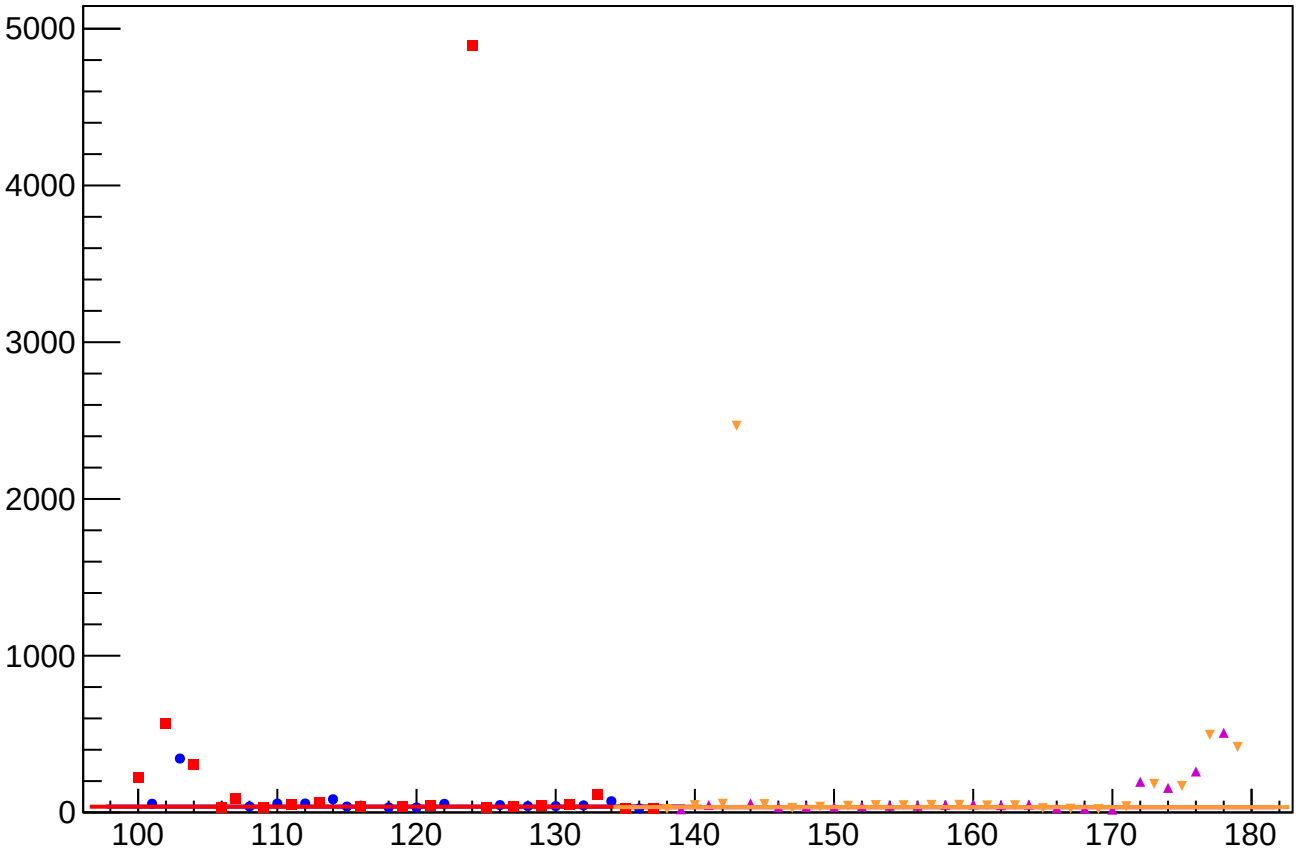
Right Out: -0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: 0.010+/-0.010 χ^2/NDF:12.3/19

+ sign 0.019+/-0.009 χ^2/NDF: 39.4/37

All: 0.011+/-0.006 χ^2/NDF: 67.0/76

- sign 0.004+/-0.009 χ^2/NDF: 26.3/38



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 34.001+/-0.007 χ^2/NDF:8549446.2/21

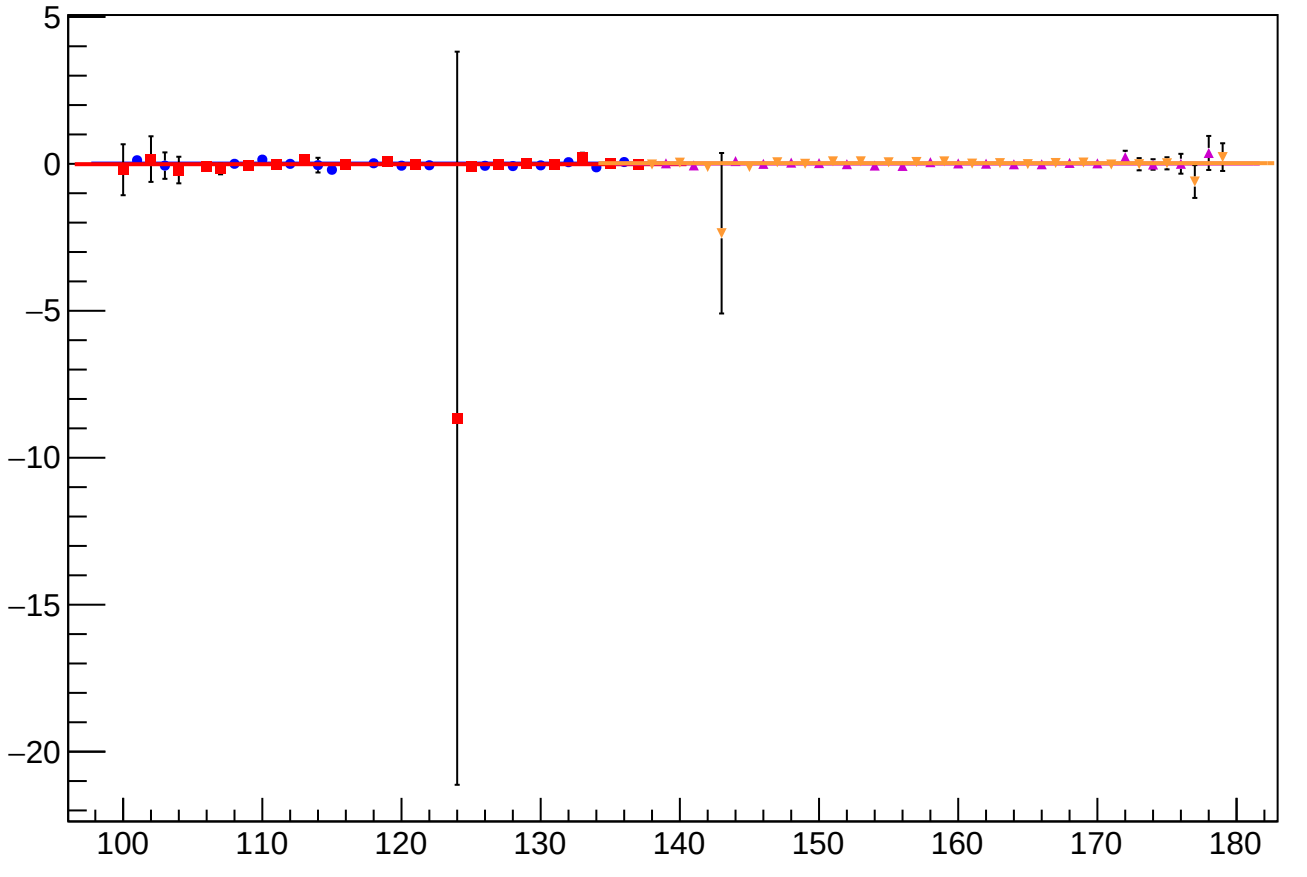
Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 32.961+/-0.007 χ^2/NDF:7080579.3/19

\+ sign 35.006+/-0.006 χ^2/NDF: 10599904.4/37

All: 34.481+/-0.004 χ^2/NDF: 20962851.8/76

\- sign 33.966+/-0.006 χ^2/NDF: 10348257.5/38



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.023+/-0.010 χ^2/NDF:19.6/21

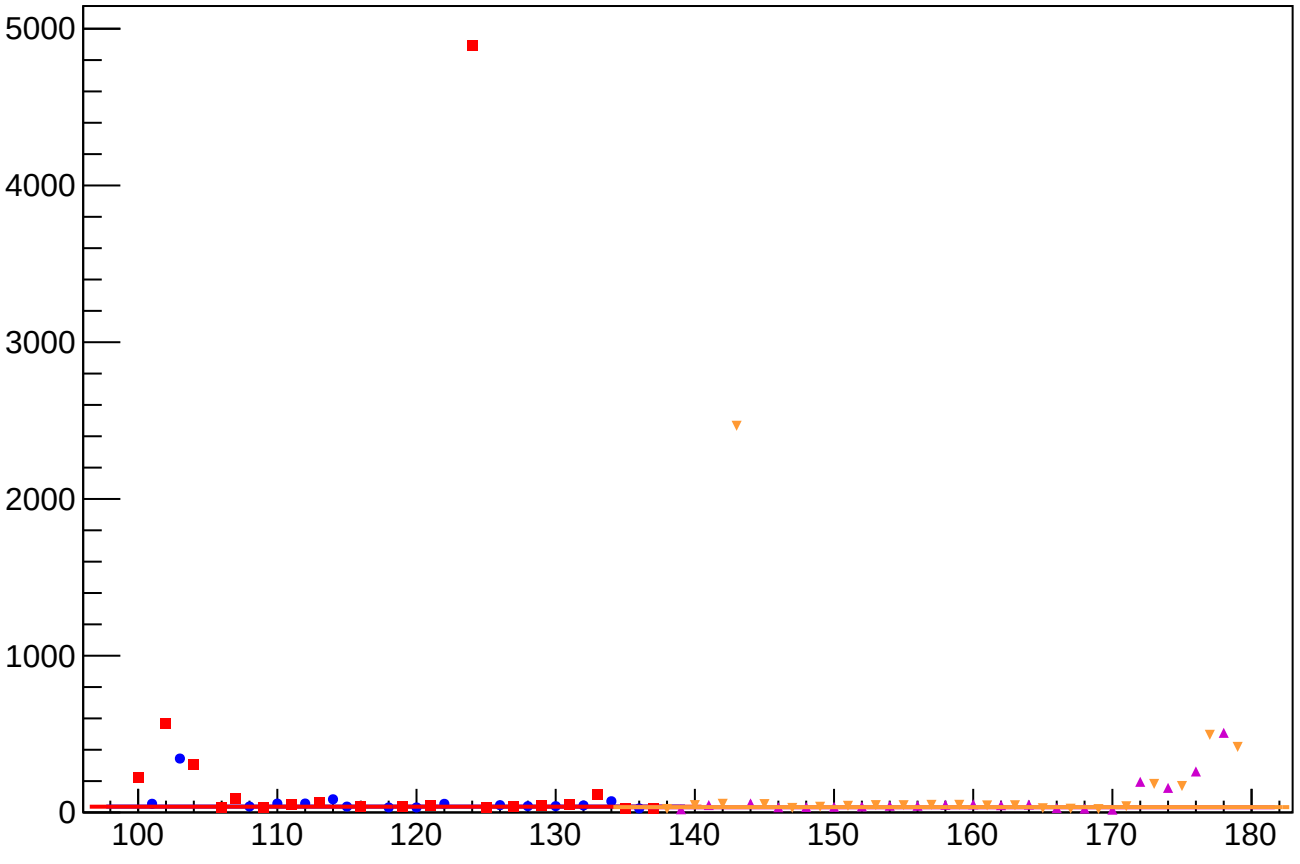
Right Out: -0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: 0.010+/-0.010 χ^2/NDF:12.3/19

+ sign 0.019+/-0.009 χ^2/NDF: 39.4/37

All: 0.011+/-0.006 χ^2/NDF: 67.0/76

- sign 0.004+/-0.009 χ^2/NDF: 26.3/38



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 34.001+/-0.007 χ^2/NDF:8549446.2/21

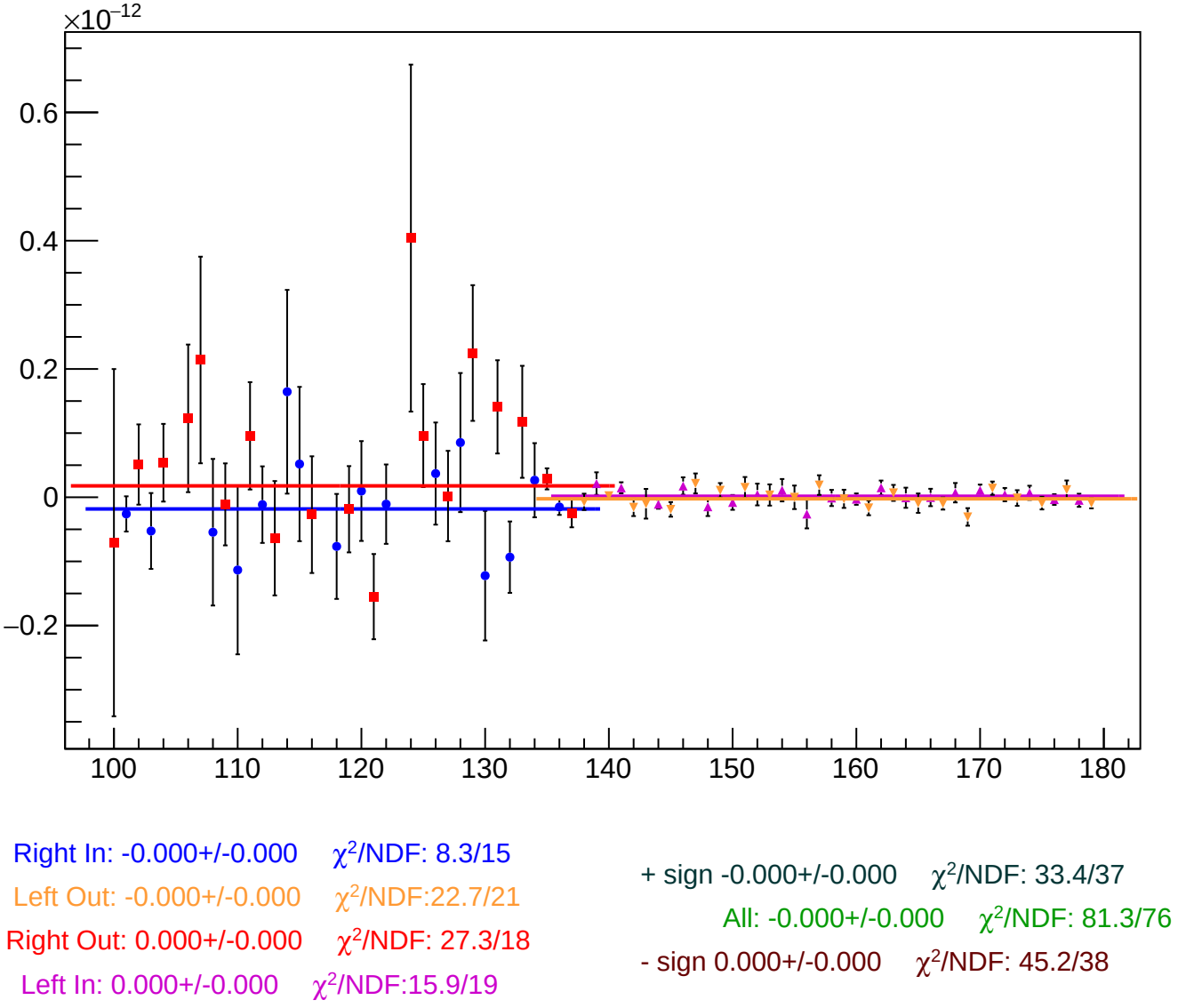
Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

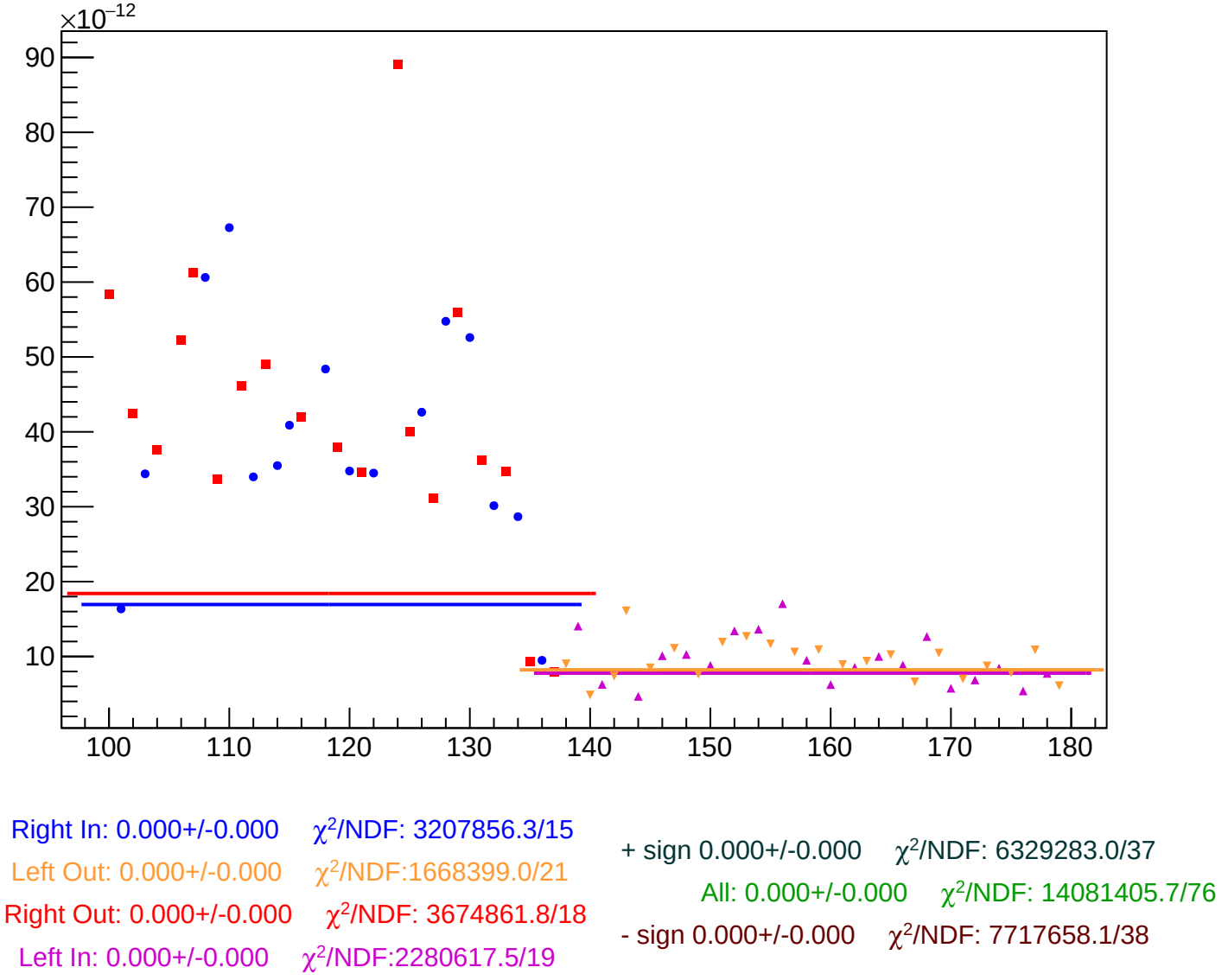
Left In: 32.961+/-0.007 χ^2/NDF:7080579.3/19

+ sign 35.006+/-0.006 χ^2/NDF: 10599904.4/37

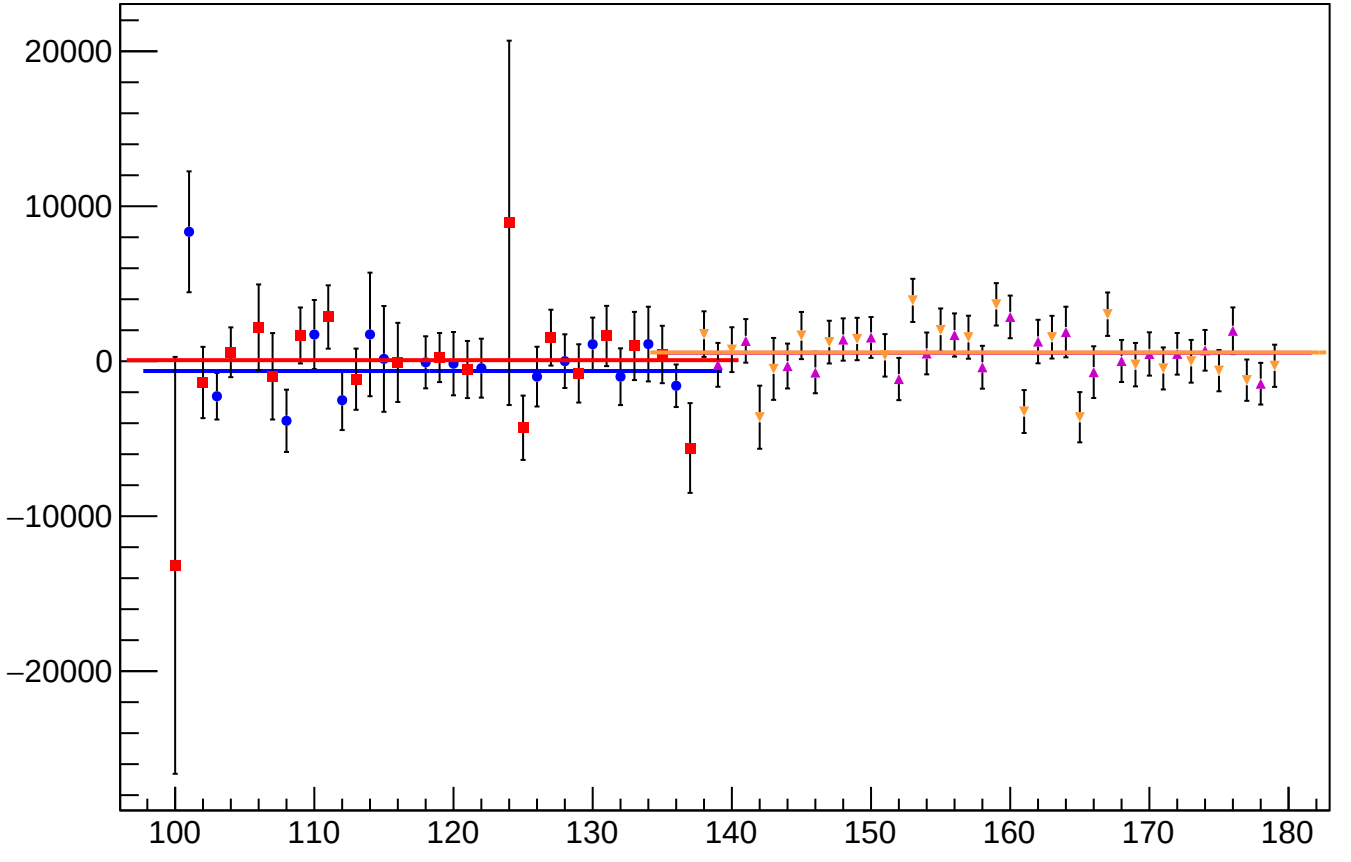
All: 34.481+/-0.004 χ^2/NDF: 20962851.8/76

- sign 33.966+/-0.006 χ^2/NDF: 10348257.5/38


asym_atl_dd_atr_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
0.6
0.4
0.2
0
−0.2
100
110
120
130
140
150
160
170
180
Right In: -0.000+/-0.000 χ²/NDF: 8.3/15
Left Out: -0.000+/-0.000 χ²/NDF:22.7/21
Right Out: 0.000+/-0.000 χ²/NDF: 27.3/18
Left In: 0.000+/-0.000 χ²/NDF:15.9/19
+ sign -0.000+/-0.000 χ²/NDF: 33.4/37
All: -0.000+/-0.000 χ²/NDF: 81.3/76
- sign 0.000+/-0.000 χ²/NDF: 45.2/38


asym_atl_dd_atr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
90
80
70
60
50
40
30
20
10
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 3207856.3/15
Left Out: 0.000+/-0.000 χ²/NDF:1668399.0/21
Right Out: 0.000+/-0.000 χ²/NDF: 3674861.8/18
Left In: 0.000+/-0.000 χ²/NDF:2280617.5/19
+ sign 0.000+/-0.000 χ²/NDF: 6329283.0/37
All: 0.000+/-0.000 χ²/NDF: 14081405.7/76
- sign 0.000+/-0.000 χ²/NDF: 7717658.1/38

reg_asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 564.856+/-305.370 χ^2/NDF:40.8/21

Right Out: 67.642+/-487.761 χ^2/NDF: 15.9/18

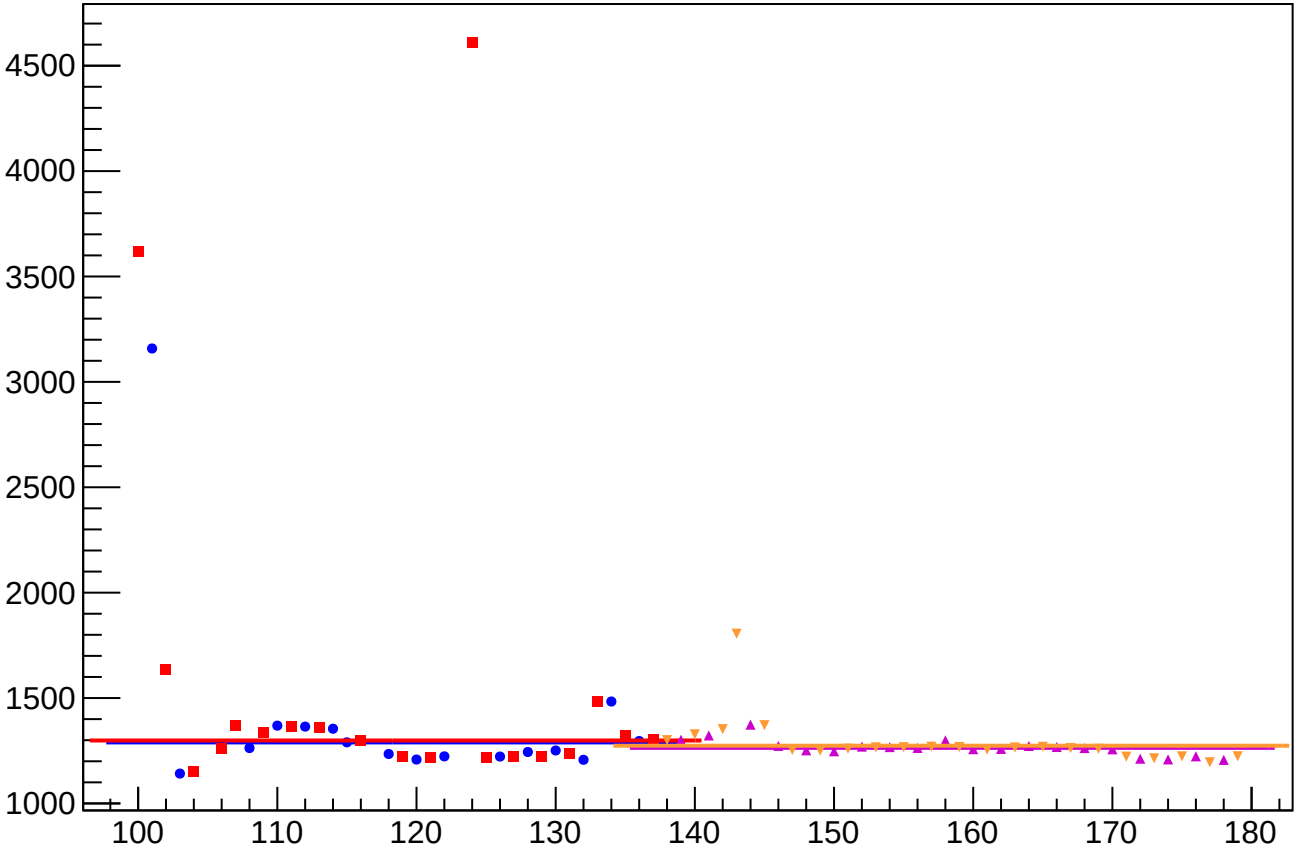
Left In: 543.002+/-312.722 χ^2/NDF:13.1/19

+ sign 228.999+/-258.964 χ^2/NDF: 59.0/37

All: 315.318+/-184.615 χ^2/NDF: 88.8/76

- sign 404.524+/-263.260 χ^2/NDF: 29.6/38

reg_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1273.834+/-0.216 χ^2/NDF:177476.2/21

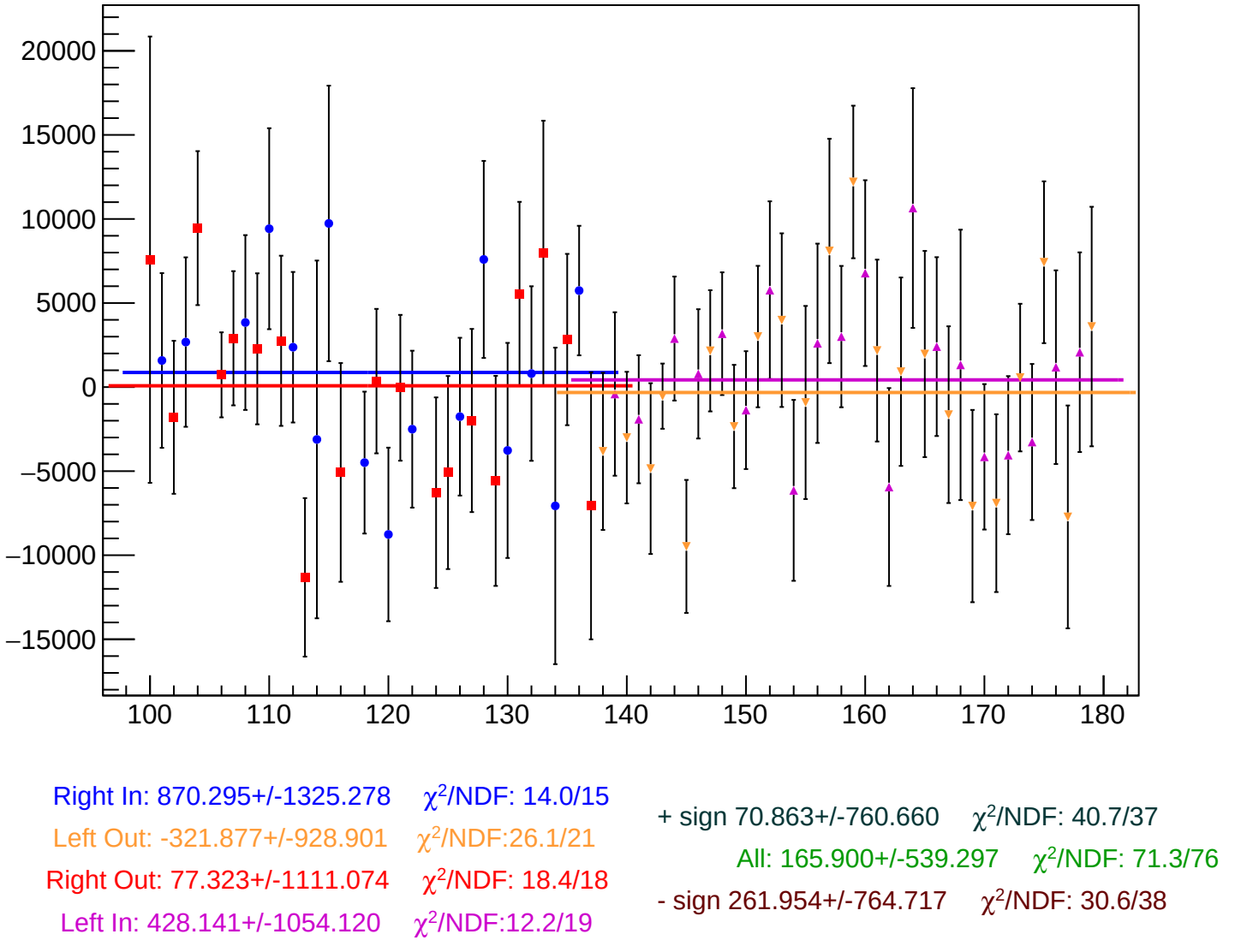
Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

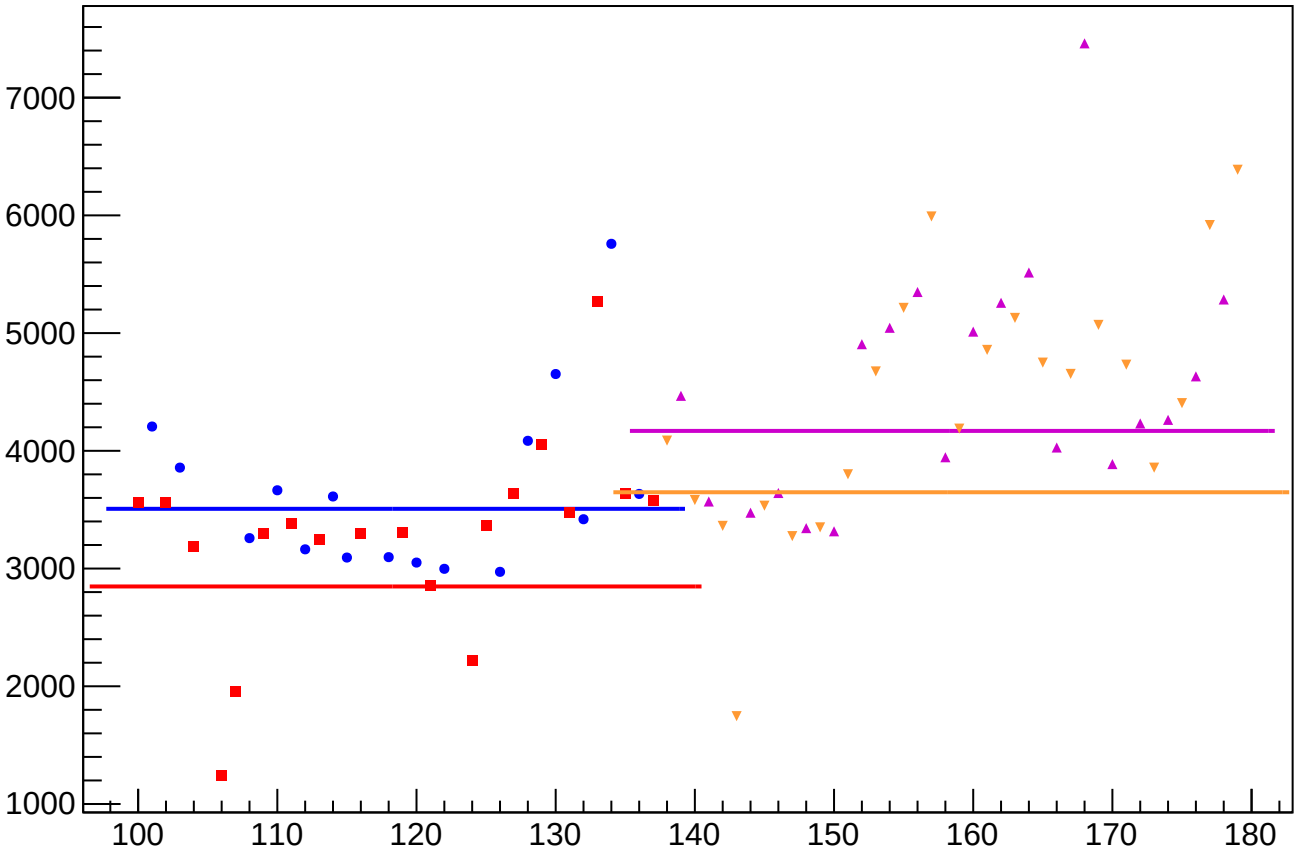
Left In: 1263.728+/-0.221 χ^2/NDF:30050.0/19

+ sign 1278.224+/-0.183 χ^2/NDF: 693623.2/37

All: 1276.116+/-0.130 χ^2/NDF: 1050612.2/76

- sign 1273.941+/-0.186 χ^2/NDF: 356719.8/38


asym_at1_avg_at2_avg_dd_reg_correction_mean vs Slug
20000
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
180
Right In: 870.295+/-1325.278 χ²/NDF: 14.0/15
Left Out: -321.877+/-928.901 χ²/NDF:26.1/21
Right Out: 77.323+/-1111.074 χ²/NDF: 18.4/18
Left In: 428.141+/-1054.120 χ²/NDF:12.2/19
+ sign 70.863+/-760.660 χ²/NDF: 40.7/37
All: 165.900+/-539.297 χ²/NDF: 71.3/76
- sign 261.954+/-764.717 χ²/NDF: 30.6/38



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

Left Out: 3648.051+/-0.657 χ^2/NDF:3658618.3/21

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

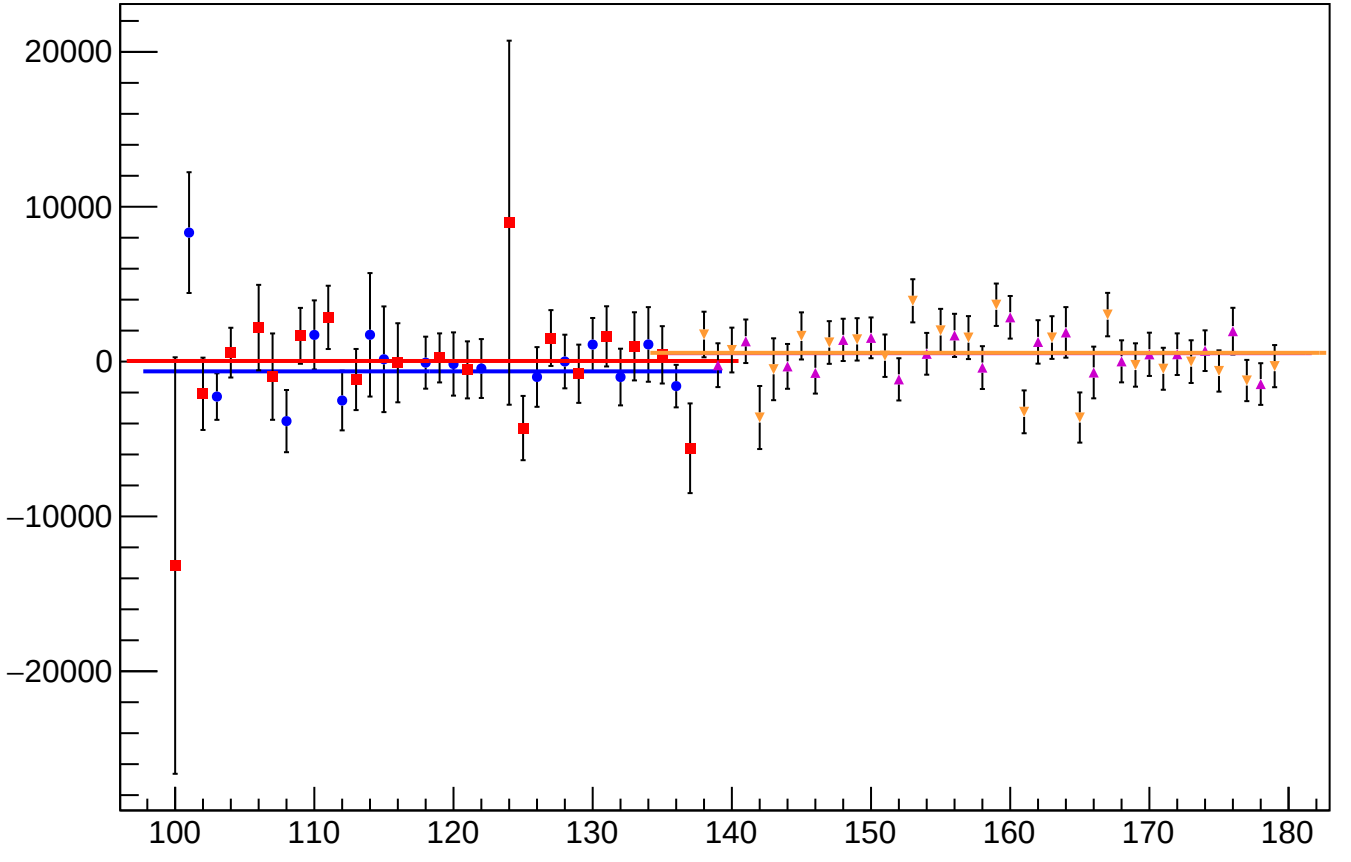
Left In: 4169.150+/-0.745 χ^2/NDF:1179312.4/19

+ sign 3601.715+/-0.538 χ^2/NDF: 4027703.8/37

All: 3572.625+/-0.381 χ^2/NDF: 8200878.4/76

- sign 3543.224+/-0.541 χ^2/NDF: 4167293.2/38

cor_asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 564.875+/-305.370 χ^2/NDF:40.8/21

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

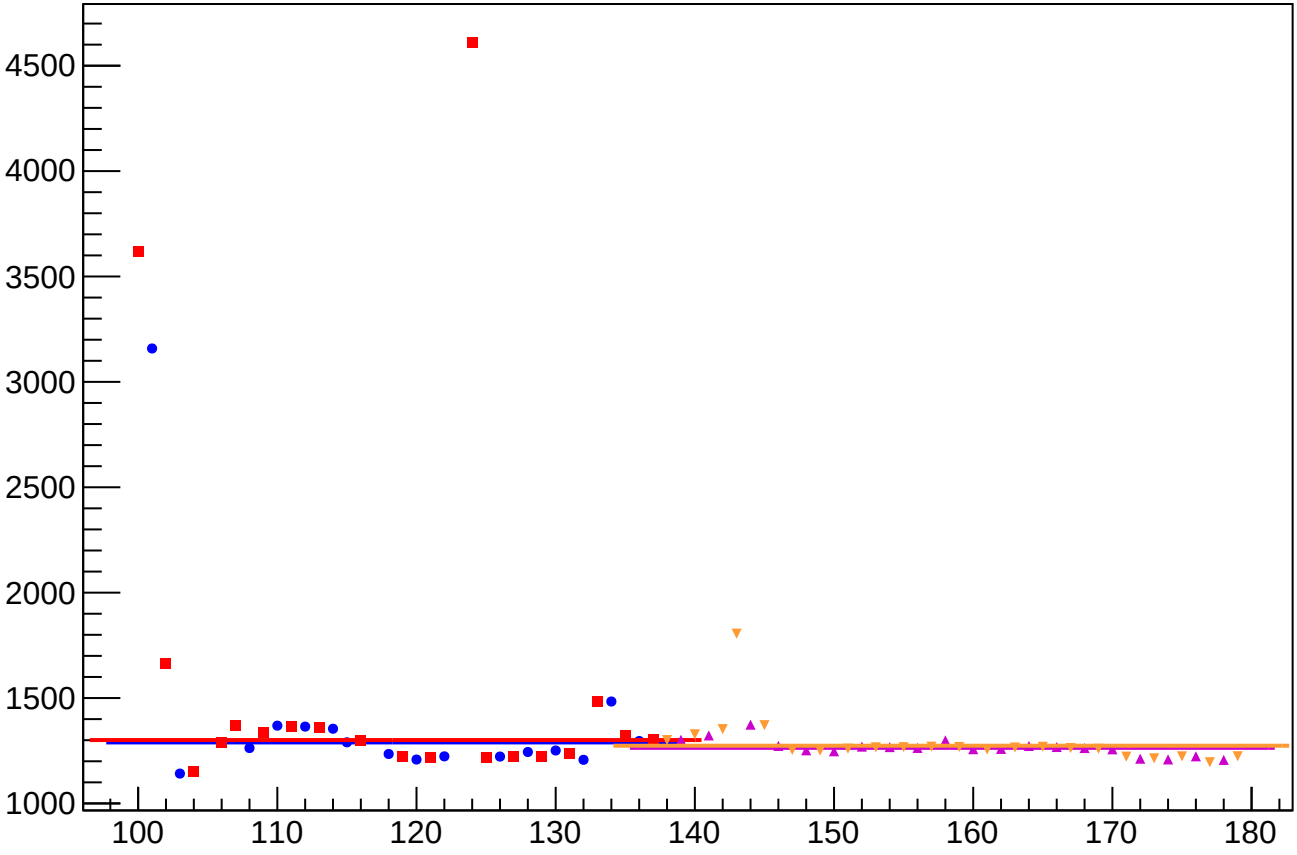
Left In: 542.923+/-312.722 χ^2/NDF:13.1/19

+ sign 228.905+/-258.964 χ^2/NDF: 58.9/37

All: 311.137+/-184.633 χ^2/NDF: 89.3/76

- sign 396.153+/-263.311 χ^2/NDF: 30.1/38

cor_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1273.834+/-0.216 χ^2/NDF:177476.2/21

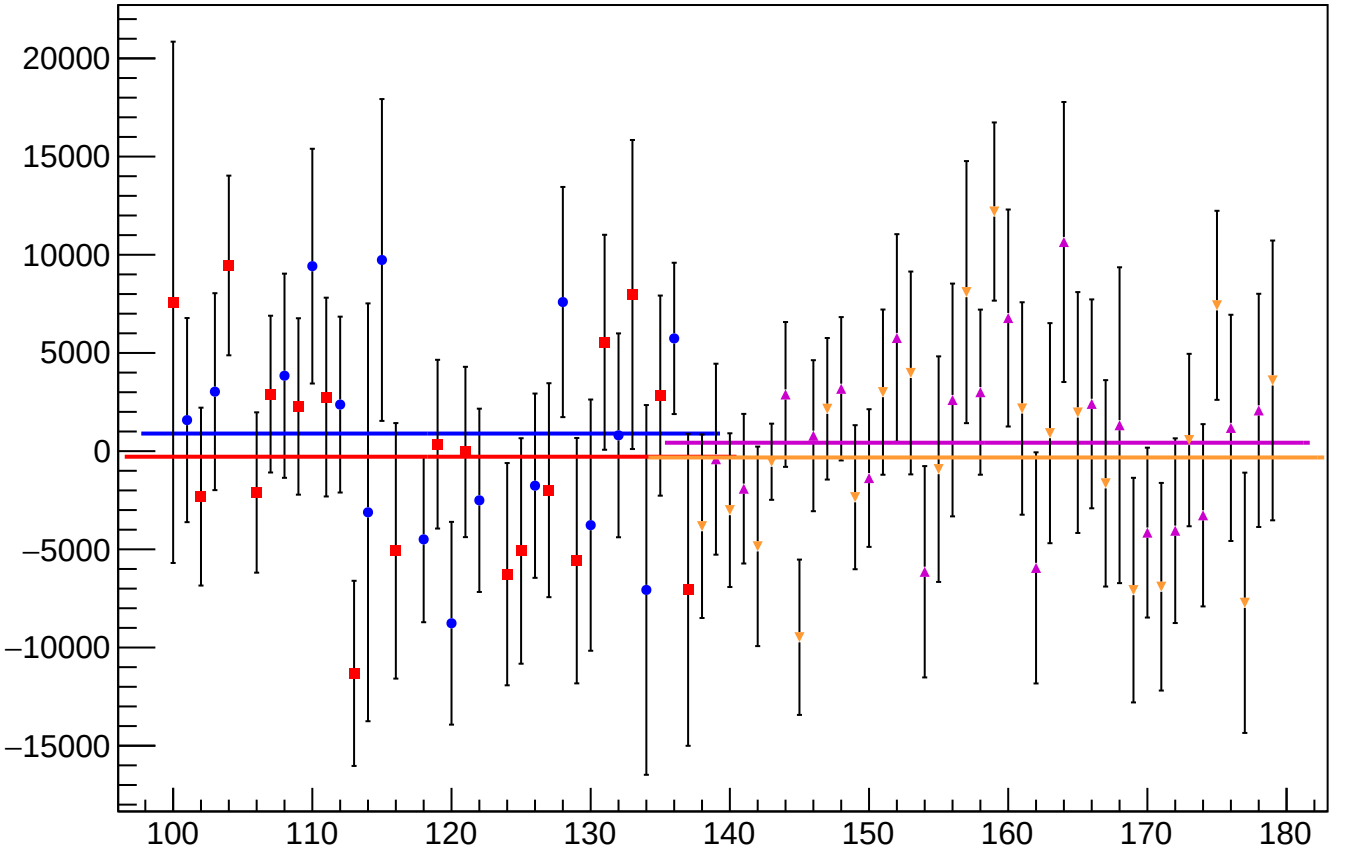
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1263.728+/-0.221 χ^2/NDF:30050.0/19

+ sign 1278.224+/-0.183 χ^2/NDF: 693624.6/37

All: 1276.398+/-0.131 χ^2/NDF: 1057934.7/76

- sign 1274.512+/-0.186 χ^2/NDF: 364107.9/38



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -321.812+/-928.899 χ^2/NDF:26.1/21

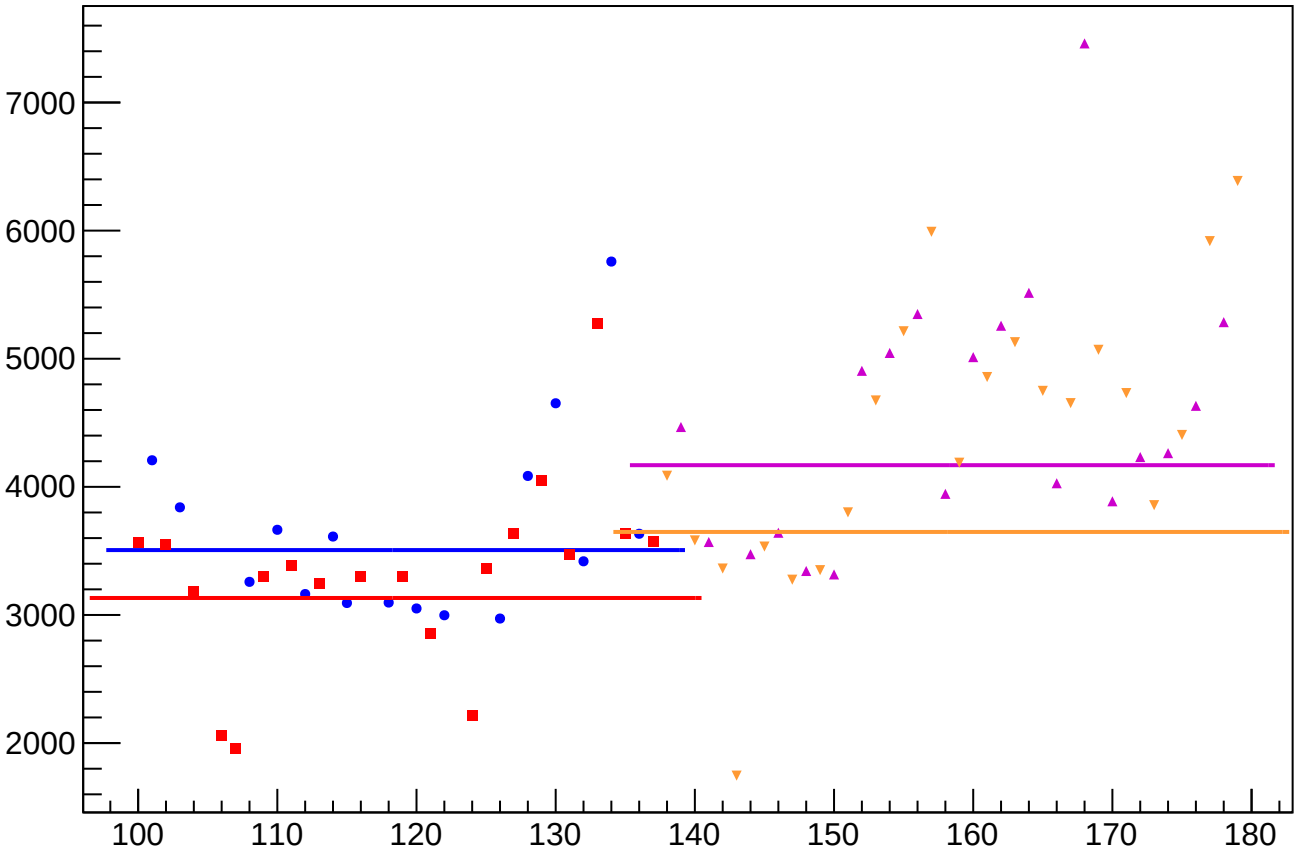
Right Out: -283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: 428.148+/-1054.118 χ^2/NDF:12.2/19

+ sign 79.564+/-760.573 χ^2/NDF: 40.8/37

All: 95.726+/-546.931 χ^2/NDF: 71.7/76

- sign 113.033+/-787.061 χ^2/NDF: 31.0/38



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3648.042+/-0.657 χ^2/NDF:3658655.1/21

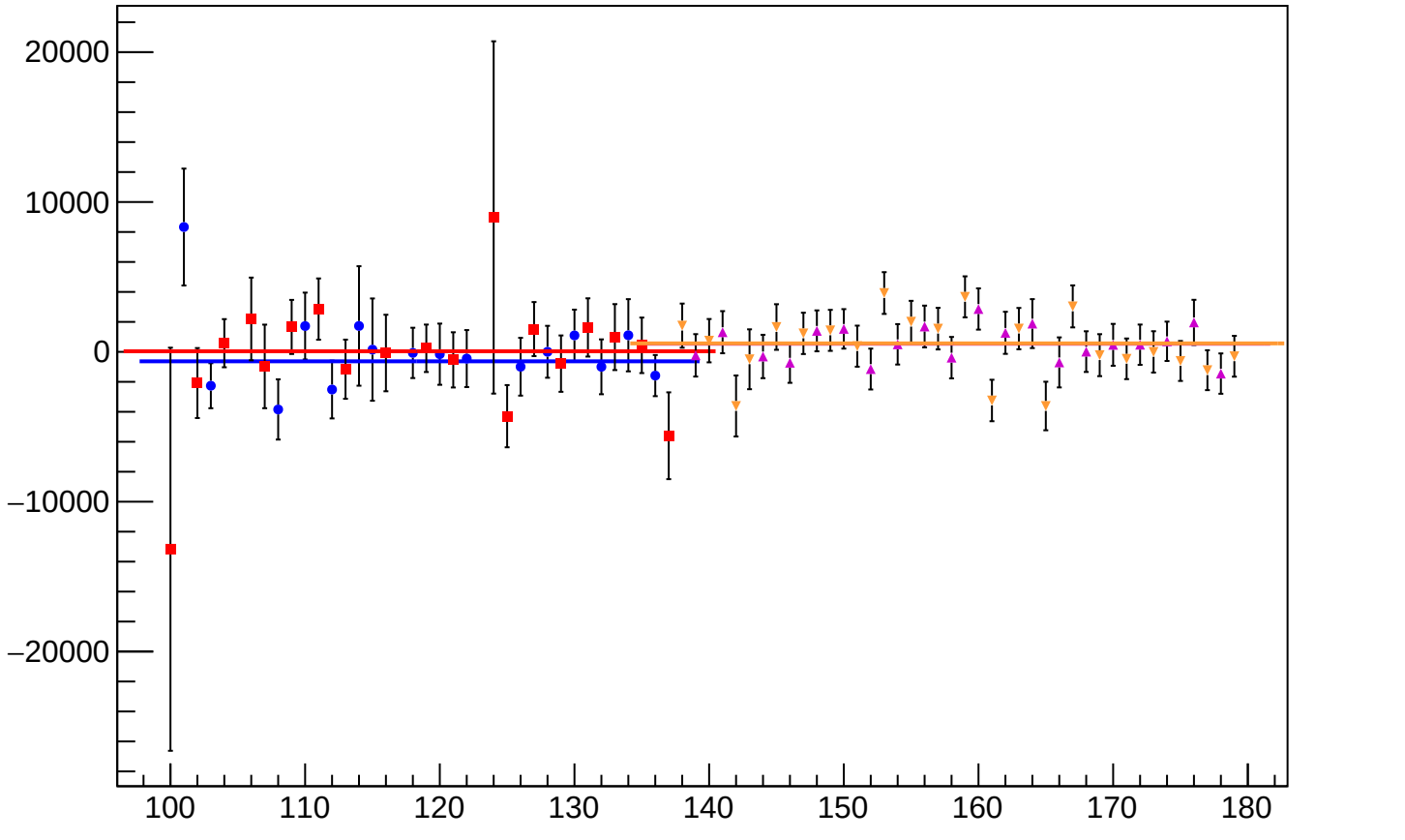
Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 4169.144+/-0.745 χ^2/NDF:1179312.1/19

+ sign 3601.387+/-0.538 χ^2/NDF: 4027201.1/37

All: 3654.056+/-0.387 χ^2/NDF: 6731761.9/76

- sign 3710.459+/-0.557 χ^2/NDF: 2684698.9/38



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 564.875+/-305.370 χ^2/NDF:40.8/21

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

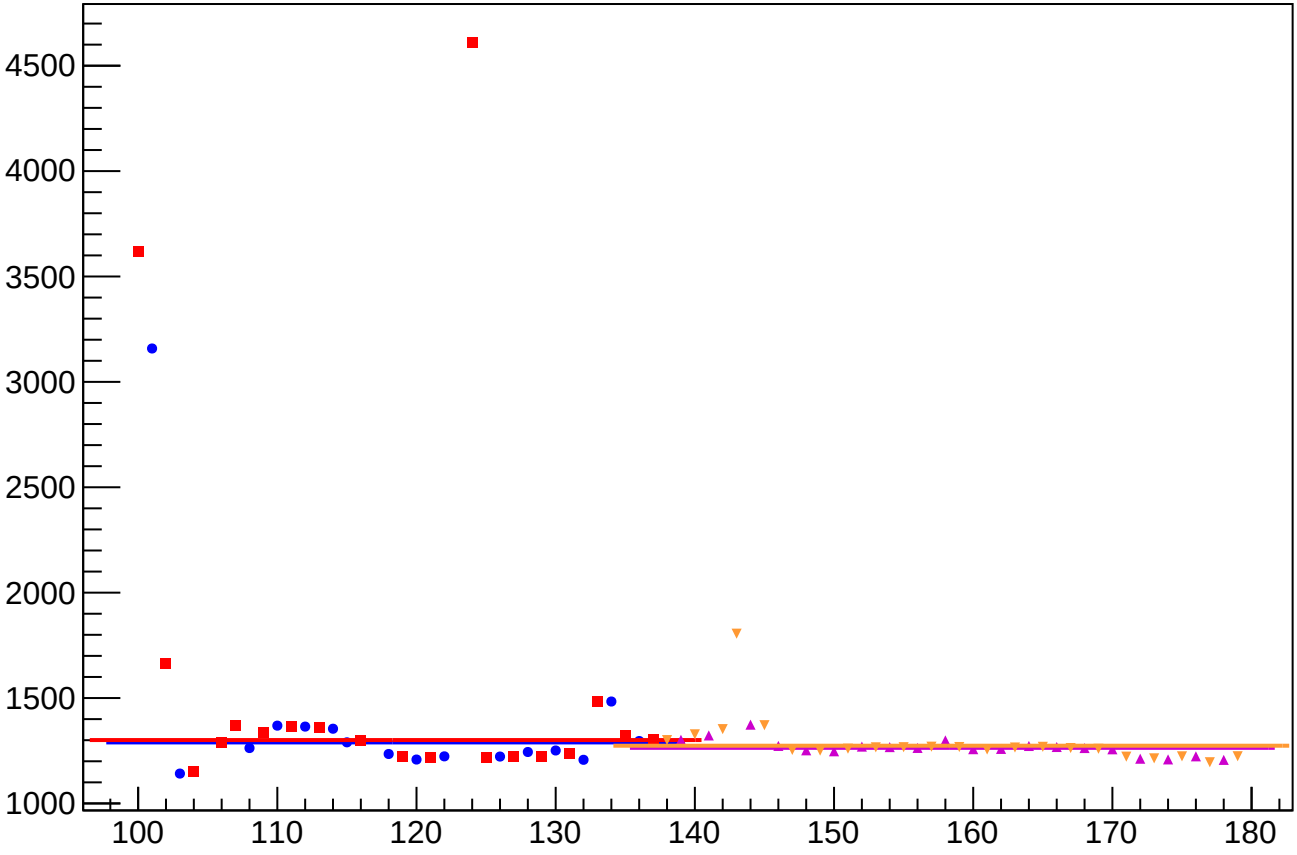
Left In: 542.923+/-312.722 χ^2/NDF:13.1/19

+ sign 228.905+/-258.964 χ^2/NDF: 58.9/37

All: 311.137+/-184.633 χ^2/NDF: 89.3/76

- sign 396.153+/-263.311 χ^2/NDF: 30.1/38

eigen_cor_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1273.834+/-0.216 χ^2/NDF:177476.2/21

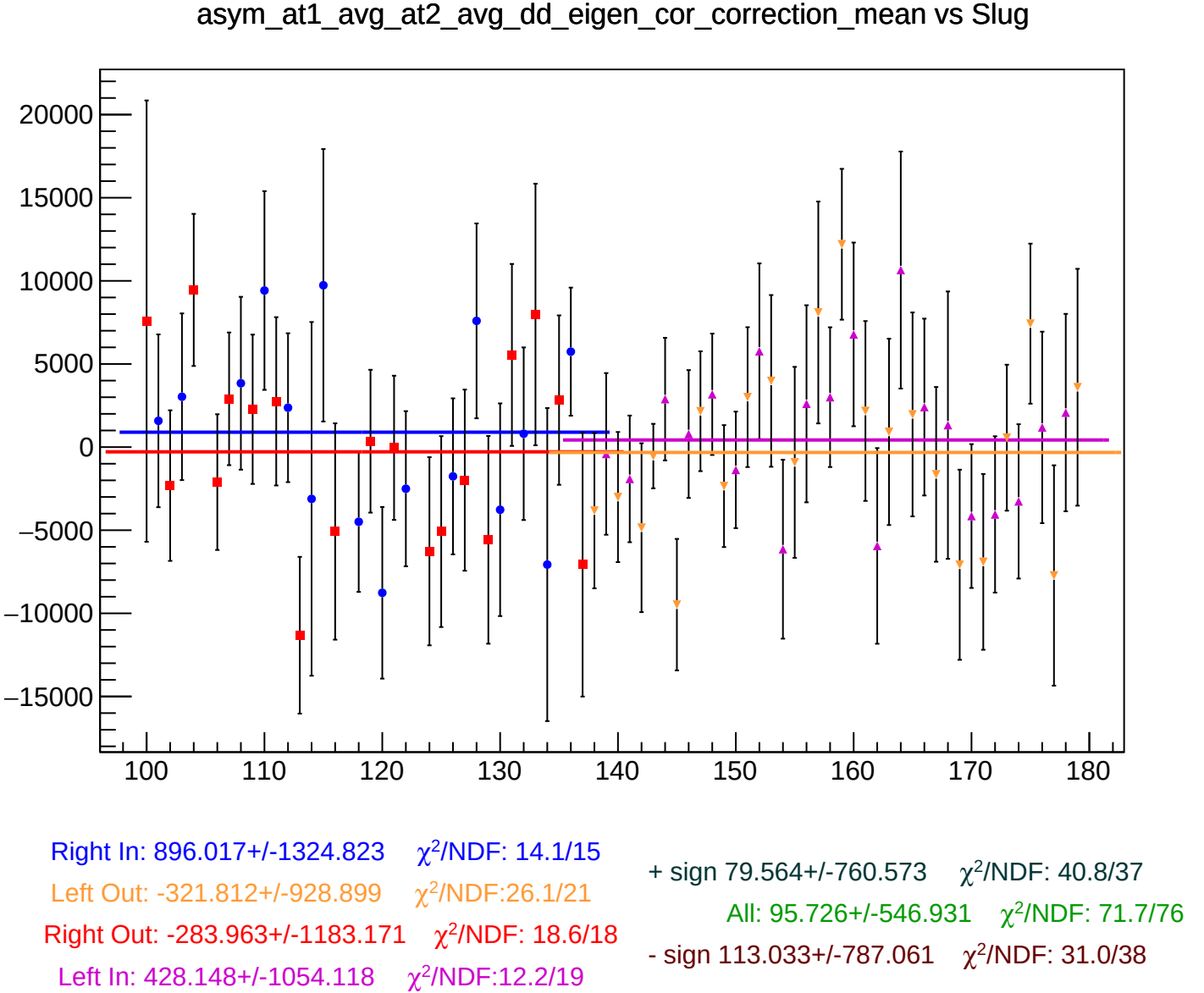
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

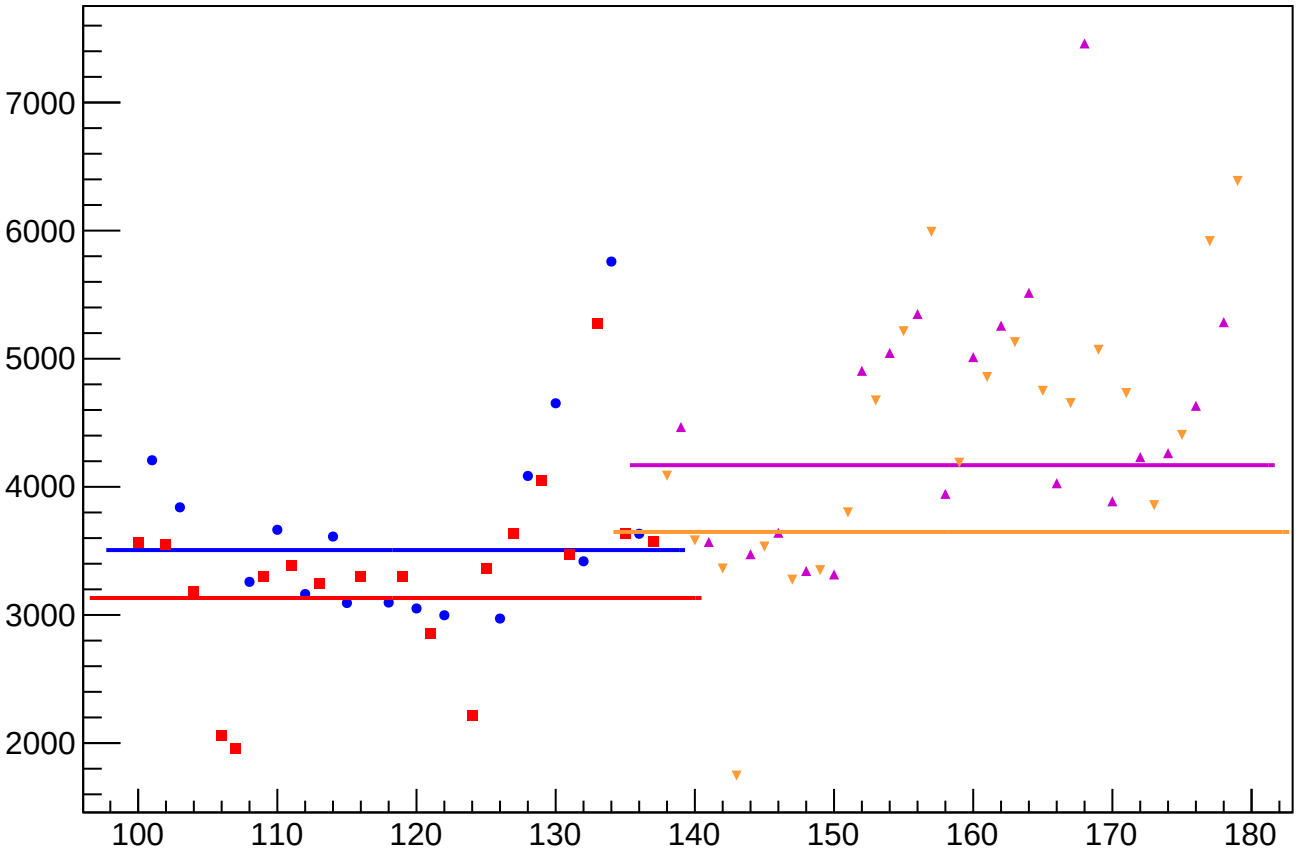
Left In: 1263.728+/-0.221 χ^2/NDF:30050.0/19

+ sign 1278.224+/-0.183 χ^2/NDF: 693624.6/37

All: 1276.398+/-0.131 χ^2/NDF: 1057934.7/76

- sign 1274.512+/-0.186 χ^2/NDF: 364107.9/38


asym_at1_avg_at2_avg_dd_eigen_cor_correction_mean vs Slug
20000
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
180
Right In: 896.017+/-1324.823 χ²/NDF: 14.1/15
Left Out: -321.812+/-928.899 χ²/NDF:26.1/21
Right Out: -283.963+/-1183.171 χ²/NDF: 18.6/18
Left In: 428.148+/-1054.118 χ²/NDF:12.2/19
+ sign 79.564+/-760.573 χ²/NDF: 40.8/37
All: 95.726+/-546.931 χ²/NDF: 71.7/76
- sign 113.033+/-787.061 χ²/NDF: 31.0/38



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3648.042+/-0.657 χ^2/NDF:3658655.1/21

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

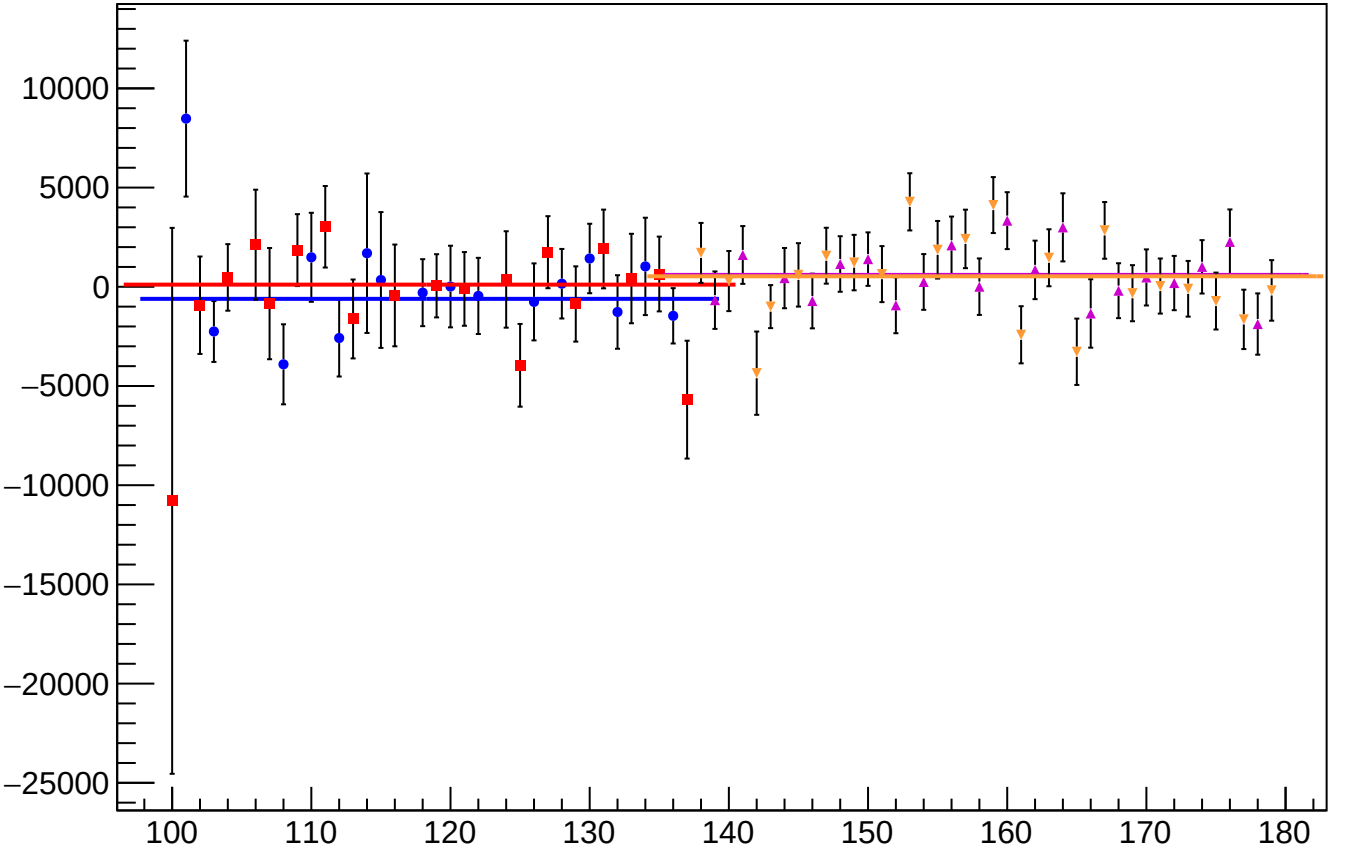
Left In: 4169.144+/-0.745 χ^2/NDF:1179312.1/19

+ sign 3601.387+/-0.538 χ^2/NDF: 4027201.1/37

All: 3654.056+/-0.387 χ^2/NDF: 6731761.9/76

- sign 3710.459+/-0.557 χ^2/NDF: 2684698.9/38

dit_asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 528.653+/-308.820 χ^2/NDF:40.8/21

Right Out: 108.614+/-485.552 χ^2/NDF: 14.9/18

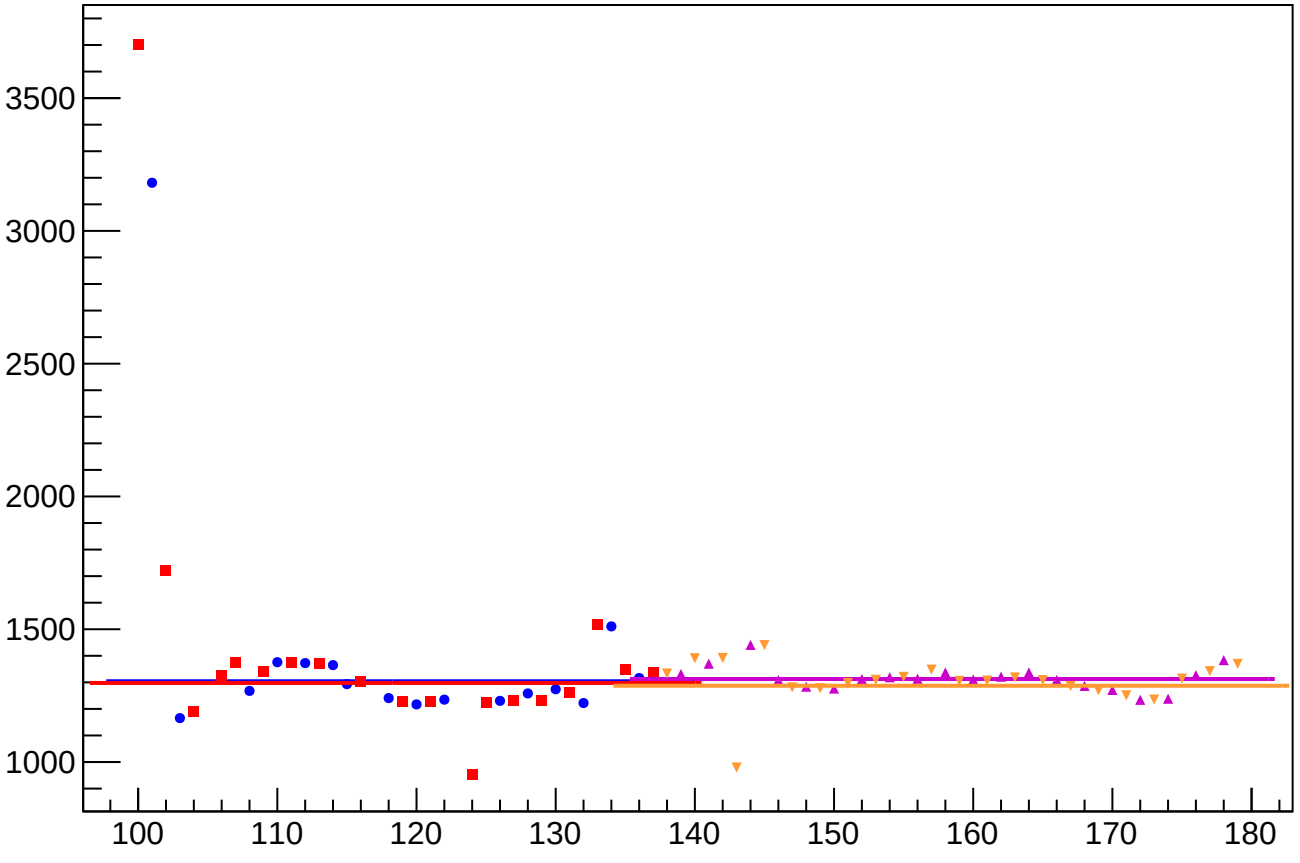
Left In: 599.425+/-324.930 χ^2/NDF:16.2/19

+ sign 209.480+/-261.889 χ^2/NDF: 58.7/37

All: 324.898+/-188.000 χ^2/NDF: 90.8/76

- sign 447.614+/-270.042 χ^2/NDF: 31.7/38

dit_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1287.223+/-0.218 χ^2/NDF:216809.4/21

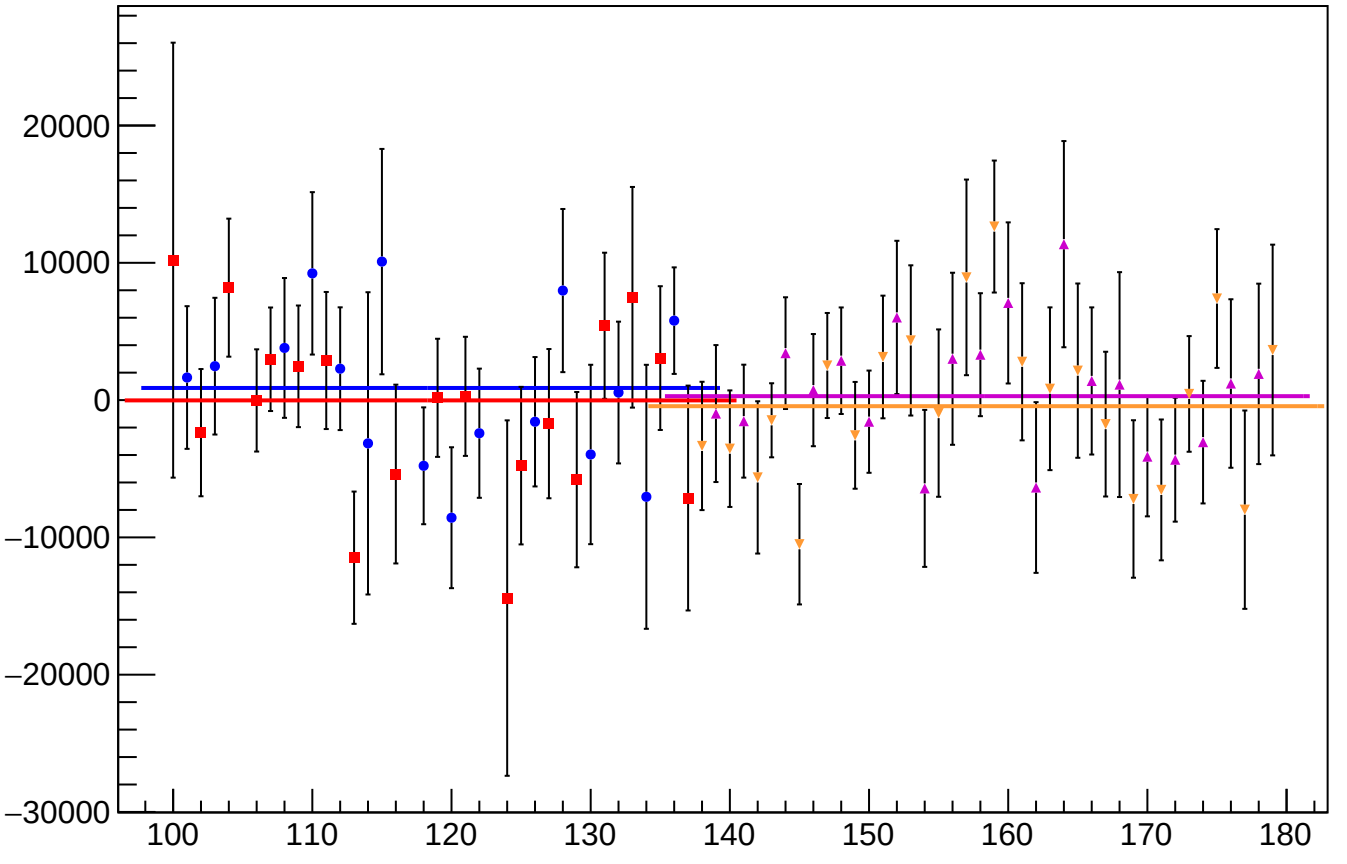
Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1312.637+/-0.230 χ^2/NDF:40645.3/19

+ sign 1291.964+/-0.185 χ^2/NDF: 729076.8/37

All: 1299.758+/-0.133 χ^2/NDF: 987765.2/76

- sign 1308.042+/-0.191 χ^2/NDF: 255034.0/38



Right In: 884.058+/-1327.399 χ^2/NDF: 14.1/15

Left Out: -443.270+/-1025.523 χ^2/NDF:25.9/21

Right Out: -20.681+/-1200.015 χ^2/NDF: 16.8/18

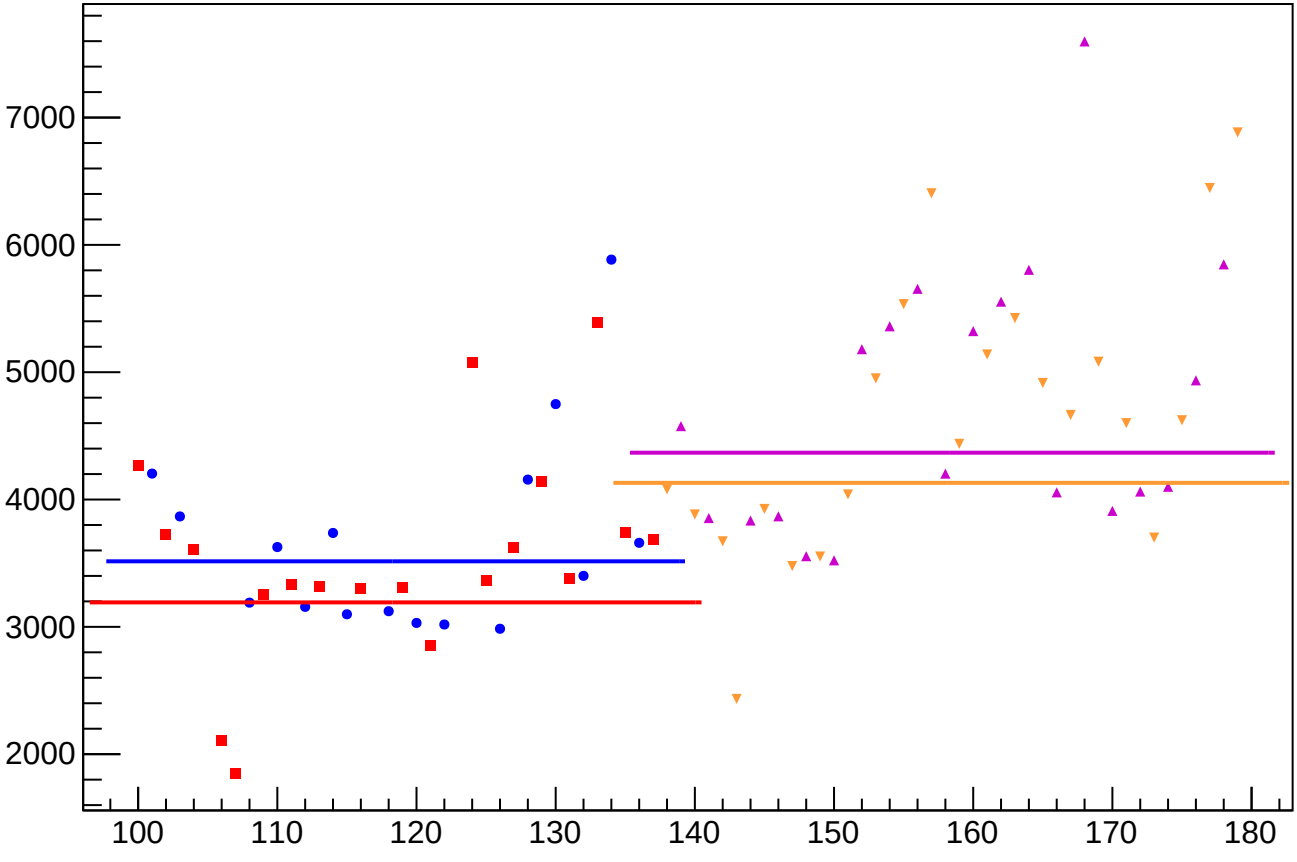
Left In: 287.074+/-1104.132 χ^2/NDF:12.1/19

+ sign 52.858+/-811.538 χ^2/NDF: 40.6/37

All: 99.363+/-574.193 χ^2/NDF: 69.6/76

- sign 145.981+/-812.525 χ^2/NDF: 28.9/38

asym_at1_avg_at2_avg_dd_dit_correction_rms vs Slug



Right In: 3514.746+/-0.939 χ^2/NDF: 375078.6/15

Left Out: 4131.052+/-0.725 χ^2/NDF:2065853.5/21

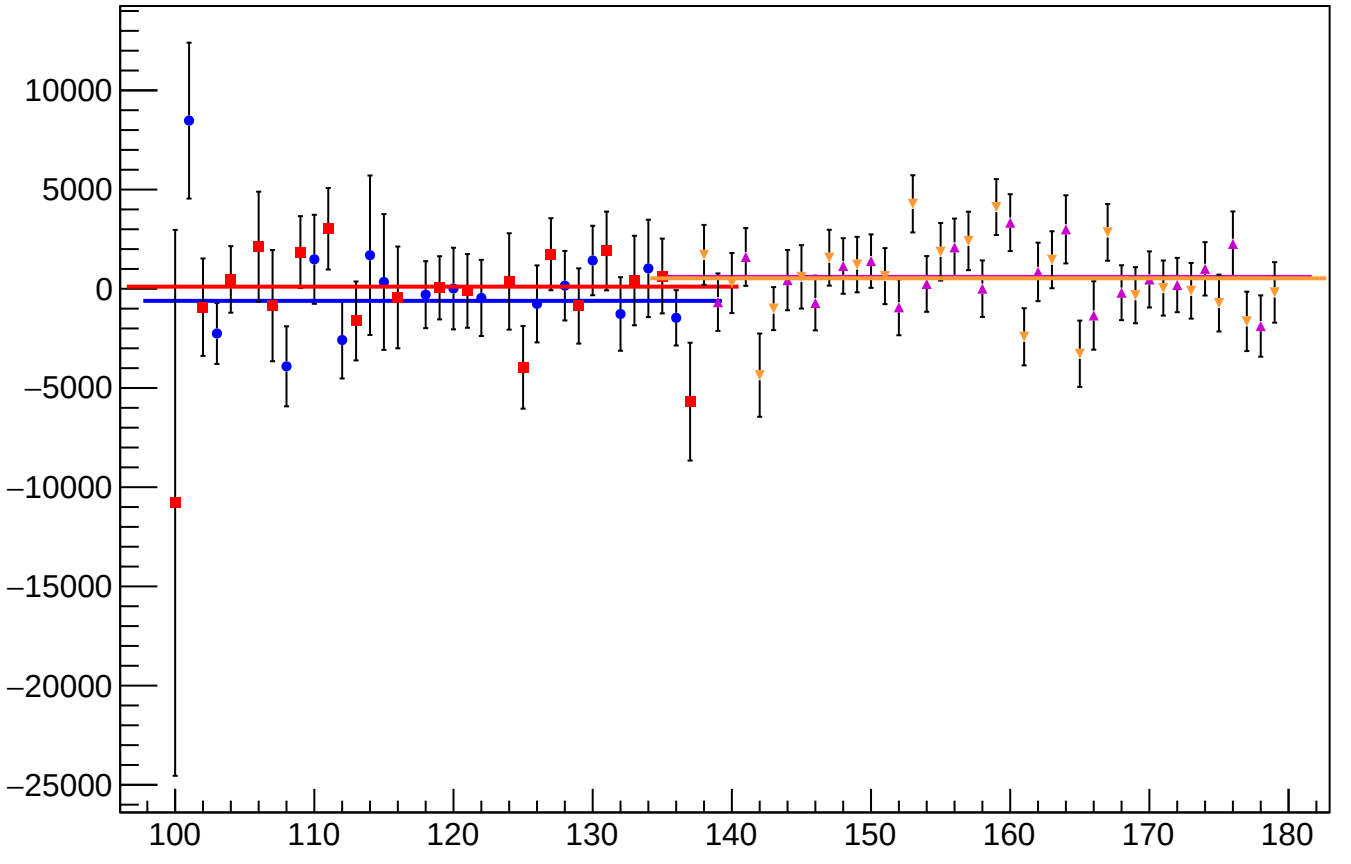
Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 4367.880+/-0.781 χ^2/NDF:1153249.4/19

\+ sign 3900.689+/-0.574 χ^2/NDF: 2710921.9/37

All: 3864.828+/-0.406 χ^2/NDF: 5684080.6/76

\- sign 3828.880+/-0.575 χ^2/NDF: 2965338.6/38



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 528.656+/-308.821 χ^2/NDF:40.8/21

Right Out: 108.619+/-485.553 χ^2/NDF: 14.9/18

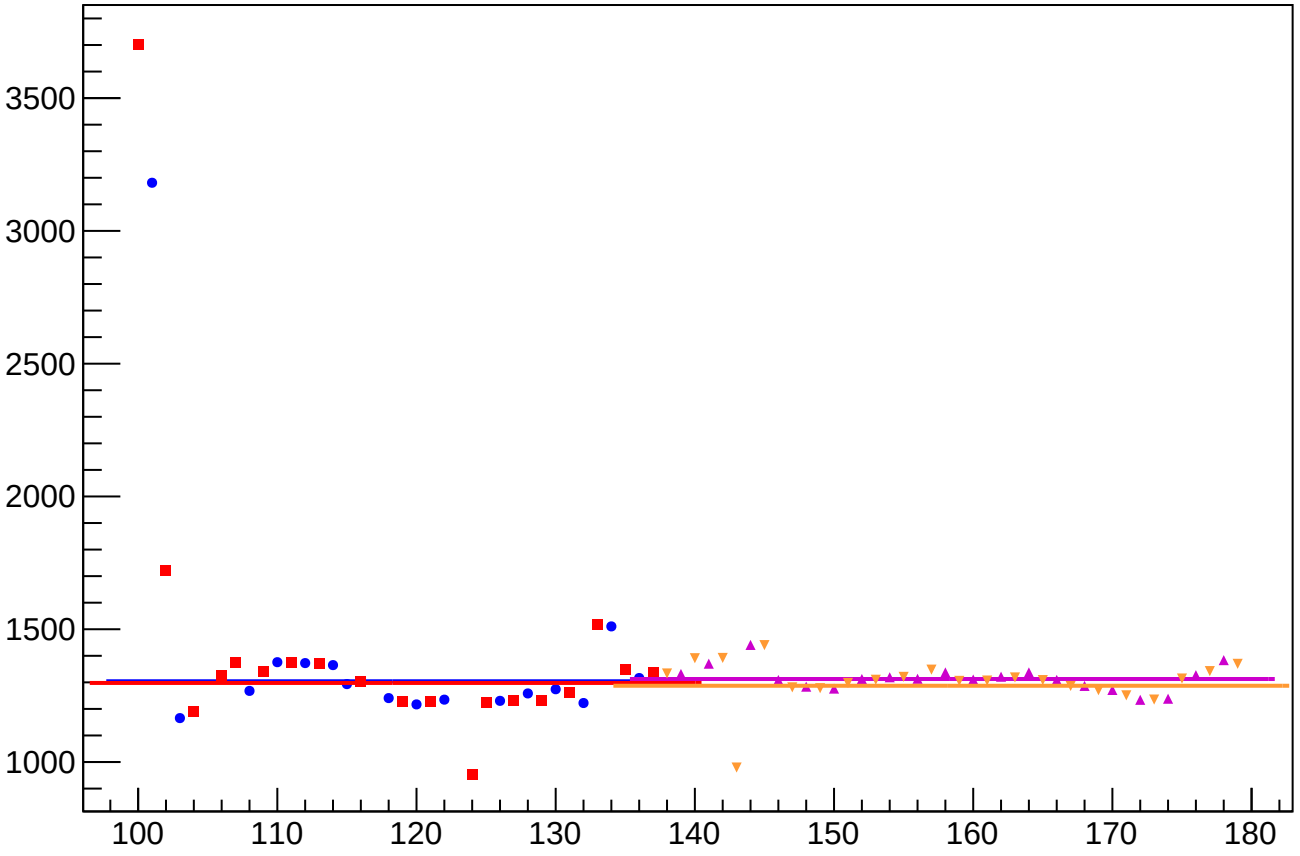
Left In: 599.428+/-324.930 χ^2/NDF:16.2/19

+ sign 209.481+/-261.890 χ^2/NDF: 58.7/37

All: 324.900+/-188.000 χ^2/NDF: 90.8/76

- sign 447.616+/-270.042 χ^2/NDF: 31.7/38

eigen_dit_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.6/15

Left Out: 1287.224+/-0.218 χ^2/NDF:216812.0/21

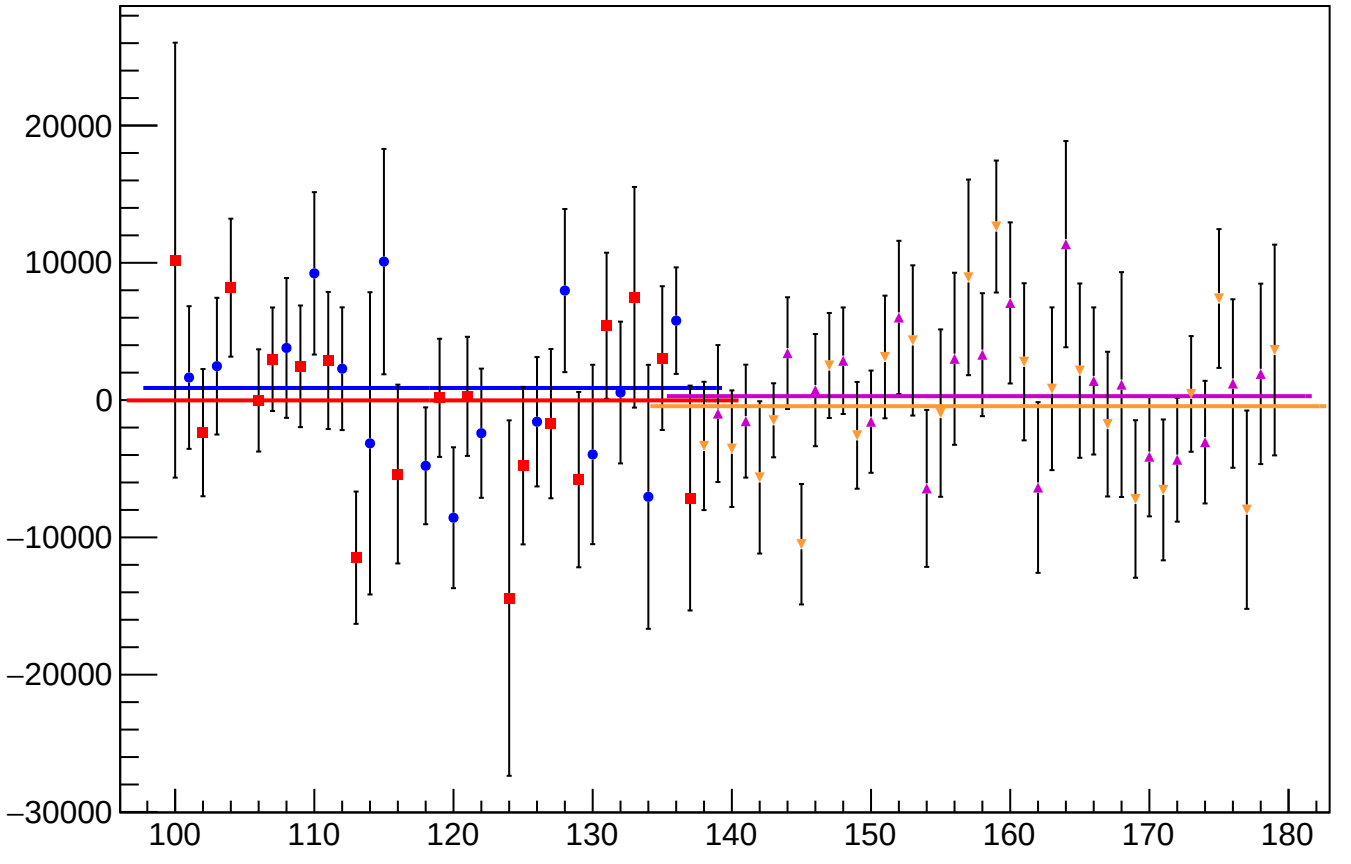
Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1312.638+/-0.230 χ^2/NDF:40647.2/19

+ sign 1291.964+/-0.185 χ^2/NDF: 729079.3/37

All: 1299.759+/-0.133 χ^2/NDF: 987769.9/76

- sign 1308.042+/-0.191 χ^2/NDF: 255036.2/38



Right In: 884.047+/-1327.396 χ^2/NDF: 14.1/15

Left Out: -443.268+/-1025.525 χ^2/NDF:25.9/21

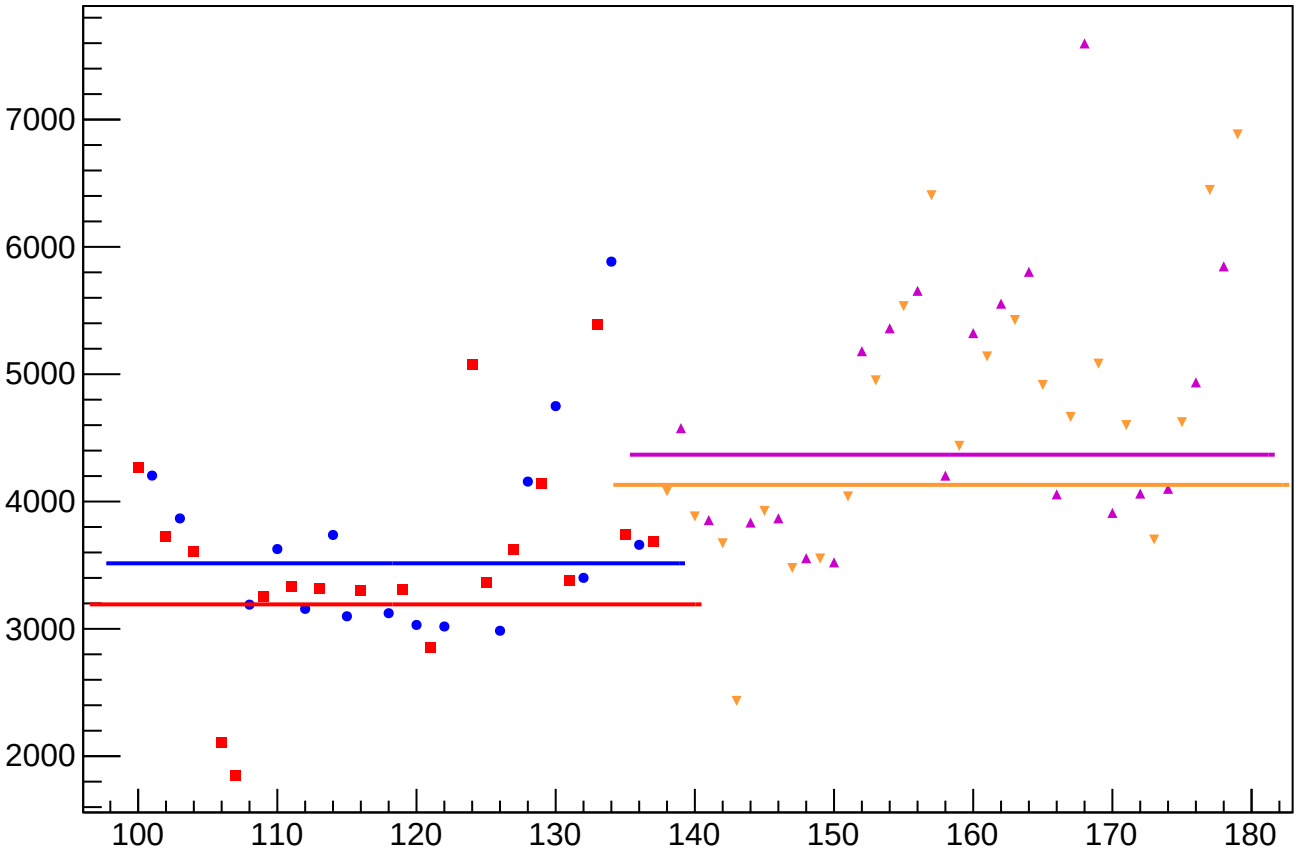
Right Out: -20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: 287.074+/-1104.134 χ^2/NDF:12.1/19

+ sign 52.858+/-811.539 χ^2/NDF: 40.6/37

All: 99.363+/-574.193 χ^2/NDF: 69.6/76

- sign 145.982+/-812.525 χ^2/NDF: 28.9/38



Right In: 3514.737+/-0.939 χ^2/NDF: 375082.8/15

Left Out: 4131.058+/-0.725 χ^2/NDF:2065856.5/21

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

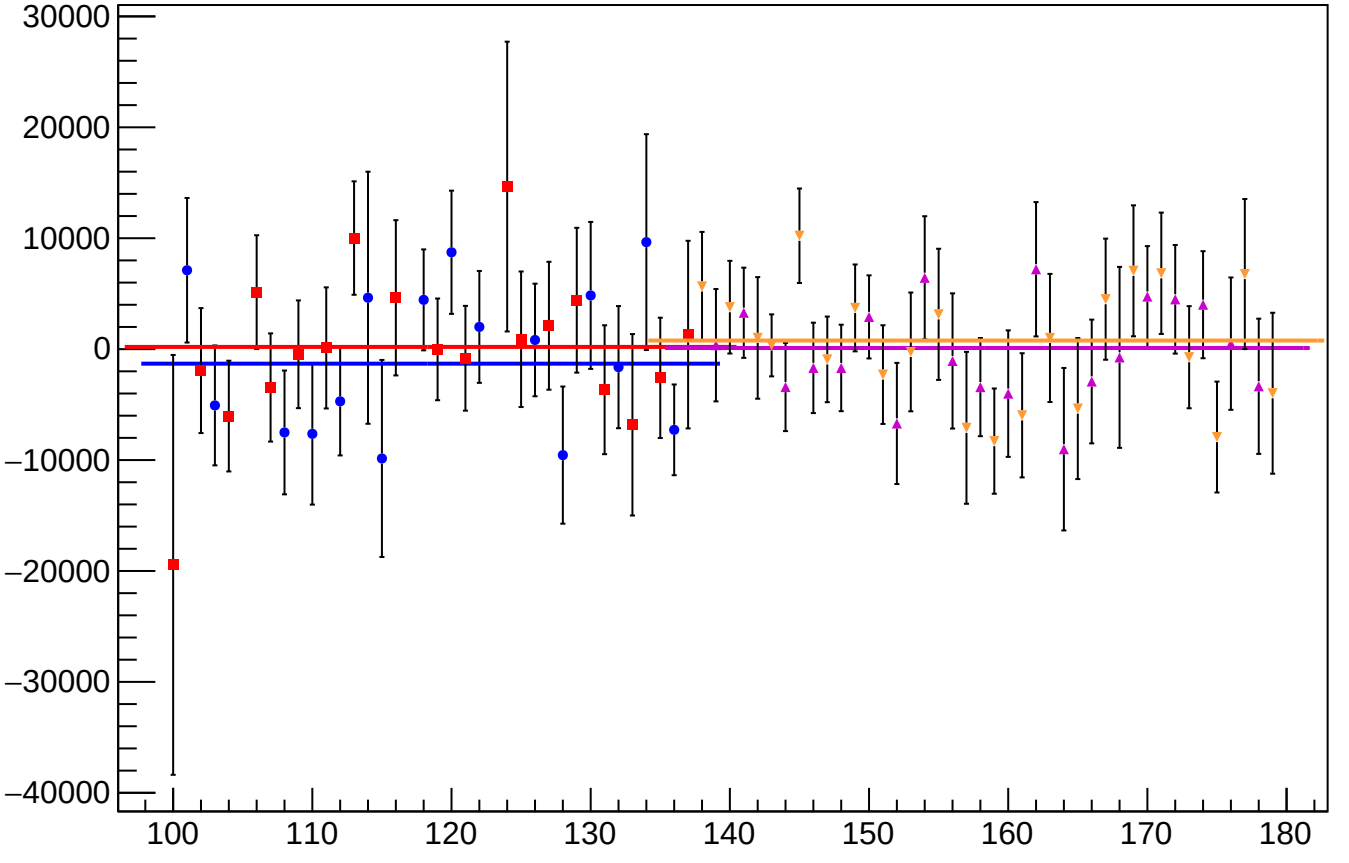
Left In: 4367.886+/-0.781 χ^2/NDF:1153252.5/19

+ sign 3900.689+/-0.574 χ^2/NDF: 2710943.4/37

All: 3864.827+/-0.406 χ^2/NDF: 5684134.5/76

- sign 3828.878+/-0.575 χ^2/NDF: 2965370.6/38

asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 776.117+/-1032.808 χ^2/NDF:22.4/21

Right Out: 201.593+/-1336.062 χ^2/NDF: 11.6/18

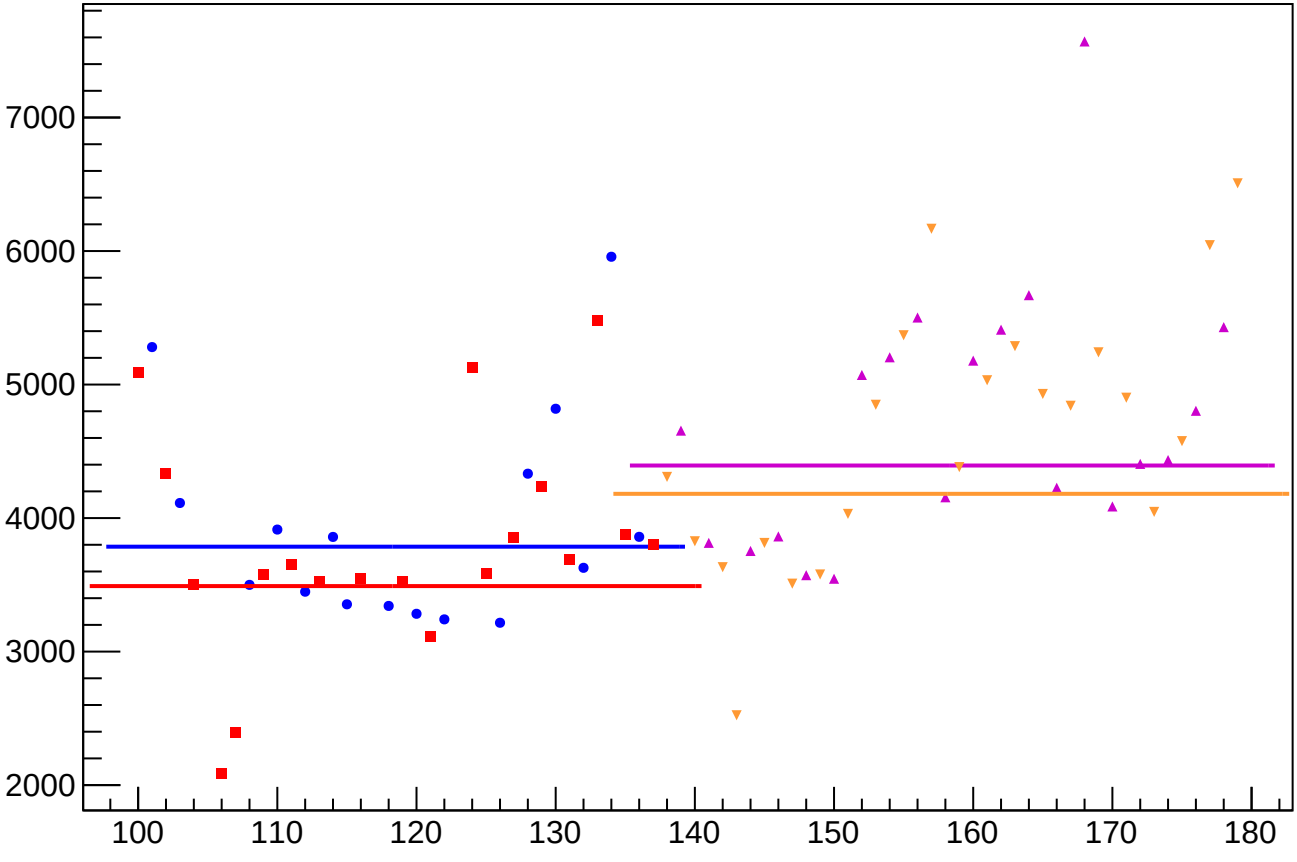
Left In: 102.716+/-1107.223 χ^2/NDF:12.5/19

\+ sign 62.260+/-837.593 χ^2/NDF: 41.4/37

All: 101.904+/-597.476 χ^2/NDF: 65.5/76

\- sign 142.974+/-852.523 χ^2/NDF: 24.1/38

asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 4181.612+/-0.730 χ^2/NDF:1795572.8/21

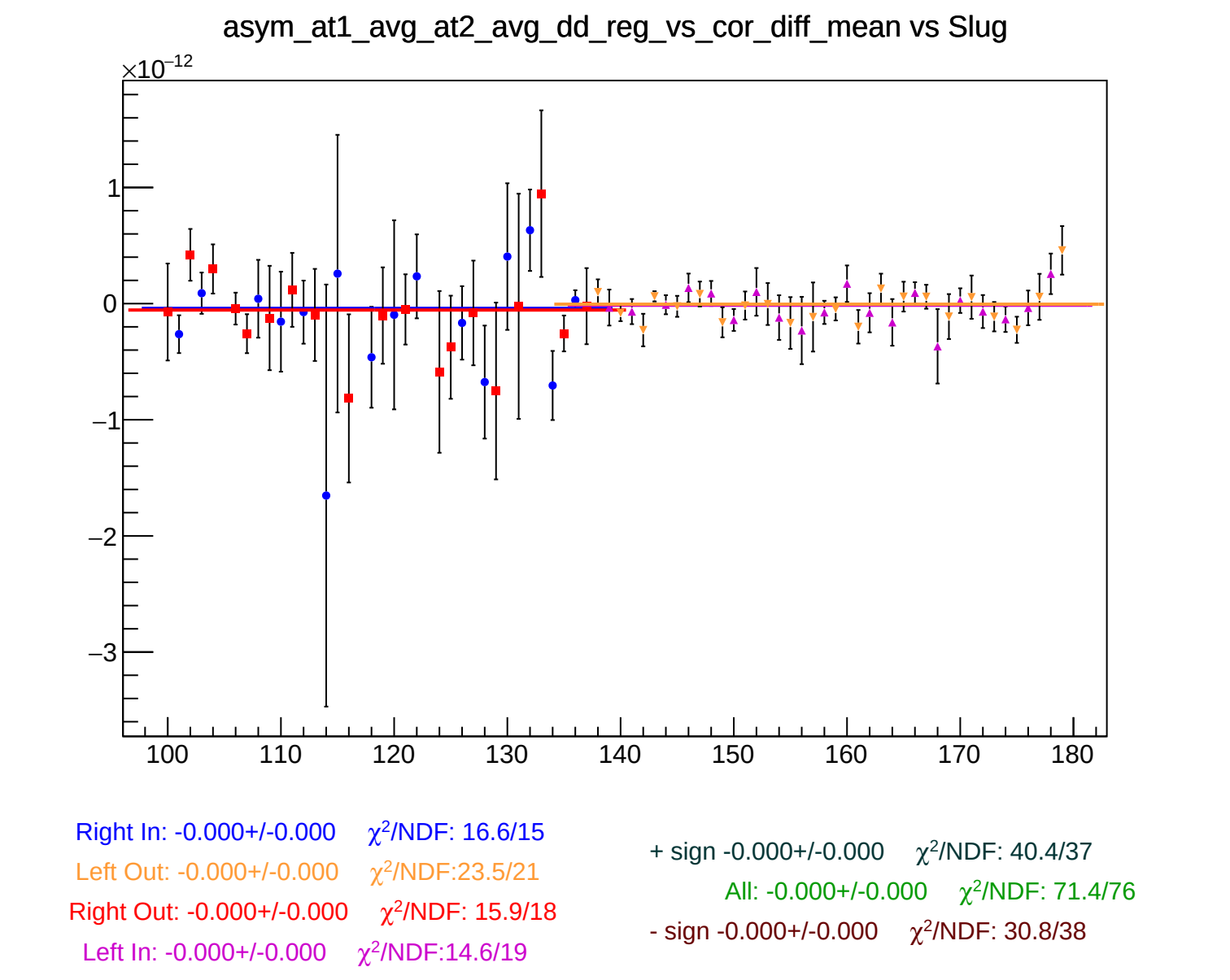
Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 4393.657+/-0.783 χ^2/NDF:1004815.9/19

\+ sign 4046.115+/-0.592 χ^2/NDF: 2279129.2/37

All: 4033.205+/-0.421 χ^2/NDF: 4422131.6/76

\- sign 4019.981+/-0.599 χ^2/NDF: 2142040.7/38


asym_at1_avg_at2_avg_dd_reg_vs_cor_diff_mean vs Slug
×10^−12
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−1
−2
−3
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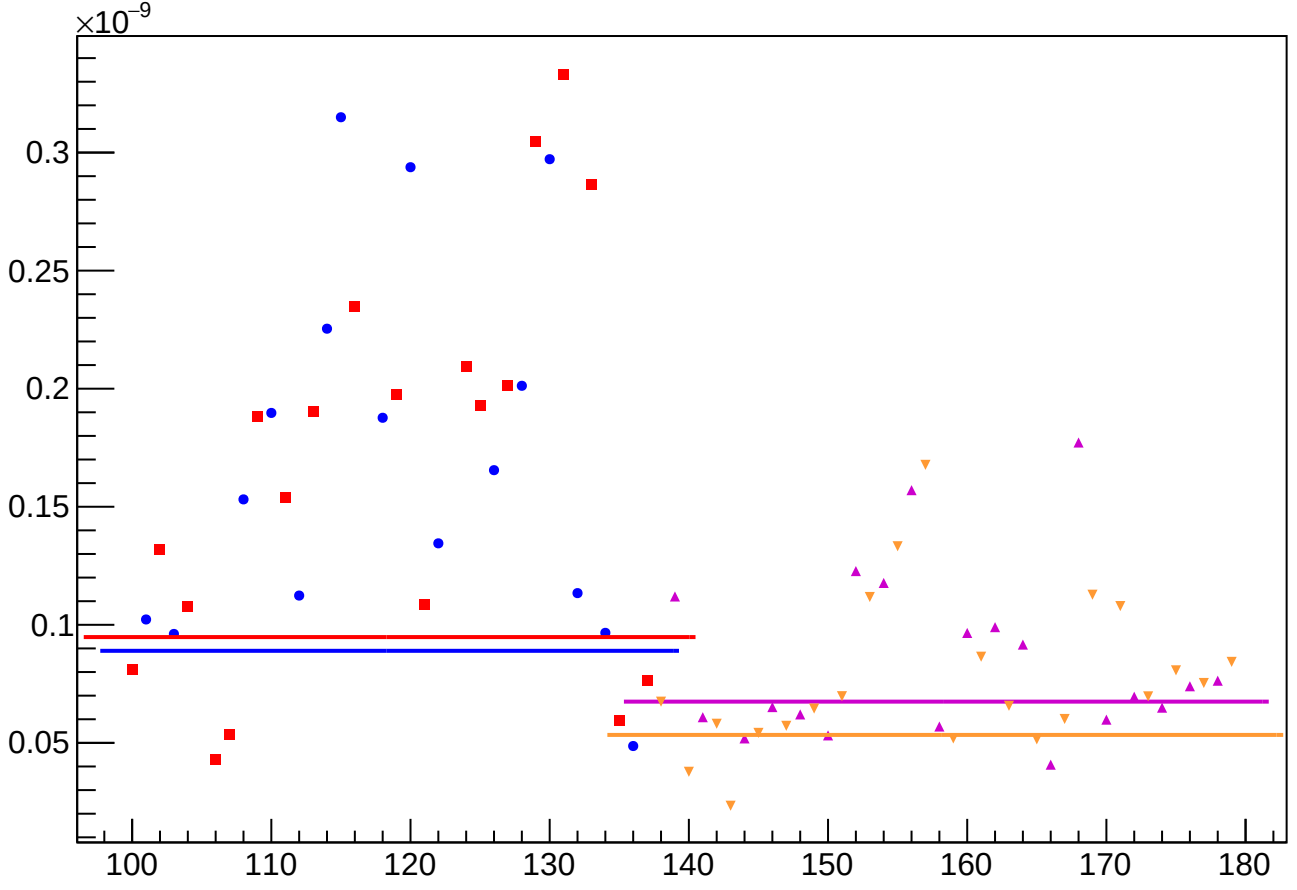
110
120
130
140
150
160
170
180
Right In: -0.000+/-0.000 χ²/NDF: 16.6/15
Left Out: -0.000+/-0.000 χ²/NDF:23.5/21
Right Out: -0.000+/-0.000 χ²/NDF: 15.9/18
Left In: -0.000+/-0.000 χ²/NDF:14.6/19
+ sign -0.000+/-0.000 χ²/NDF: 40.4/37
All: -0.000+/-0.000 χ²/NDF: 71.4/76
- sign -0.000+/-0.000 χ²/NDF: 30.8/38



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:2592157.7/21

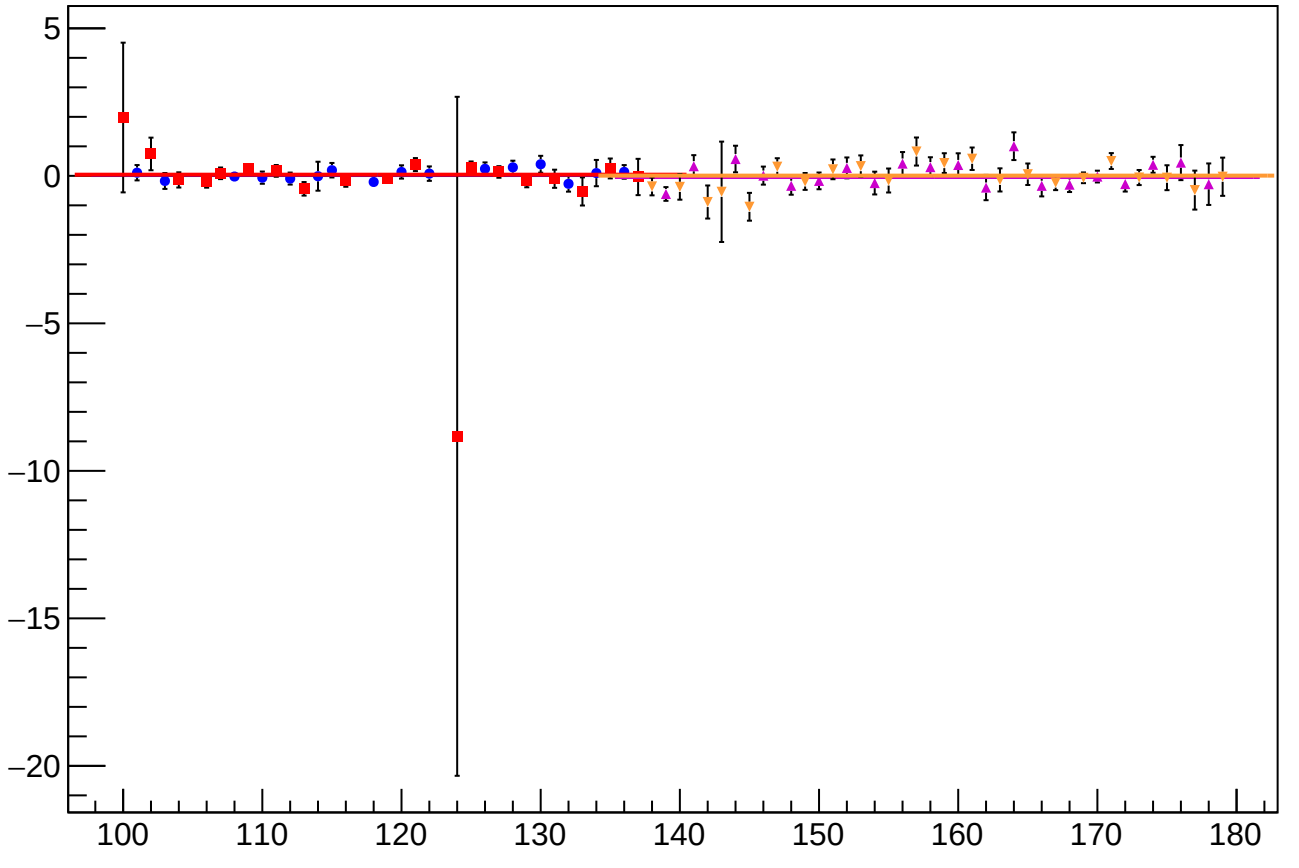
Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1385441.0/19

+ sign 0.000+/-0.000 χ^2/NDF: 4684290.4/37

All: 0.000+/-0.000 χ^2/NDF: 8445239.7/76

- sign 0.000+/-0.000 χ^2/NDF: 3424991.4/38



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.007+/-0.072 χ^2/NDF:24.8/21

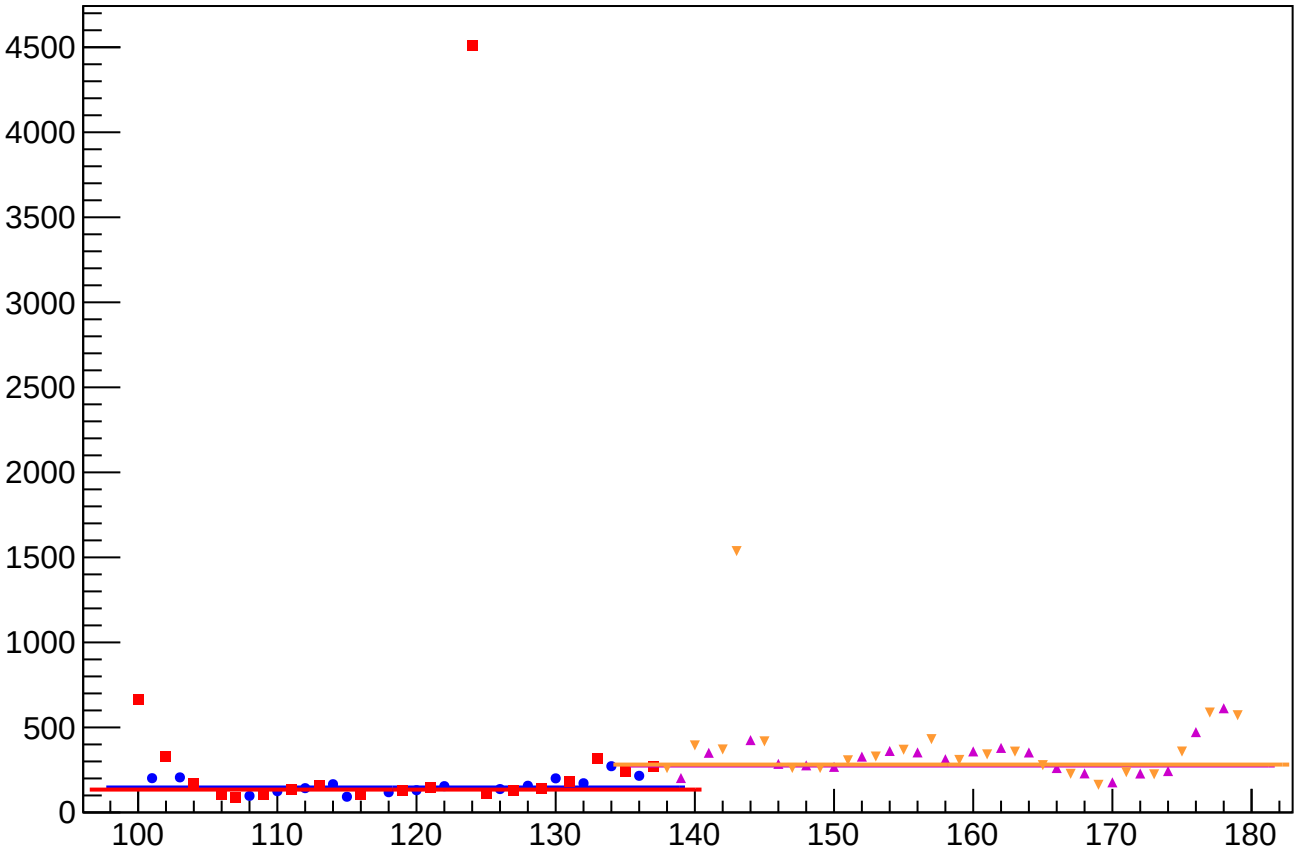
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.040+/-0.072 χ^2/NDF:26.0/19

+ sign 0.020+/-0.045 χ^2/NDF: 34.3/37

All: 0.015+/-0.031 χ^2/NDF: 81.1/76

- sign 0.010+/-0.044 χ^2/NDF: 46.7/38



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 281.543+/-0.051 χ^2/NDF:3942972.6/21

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

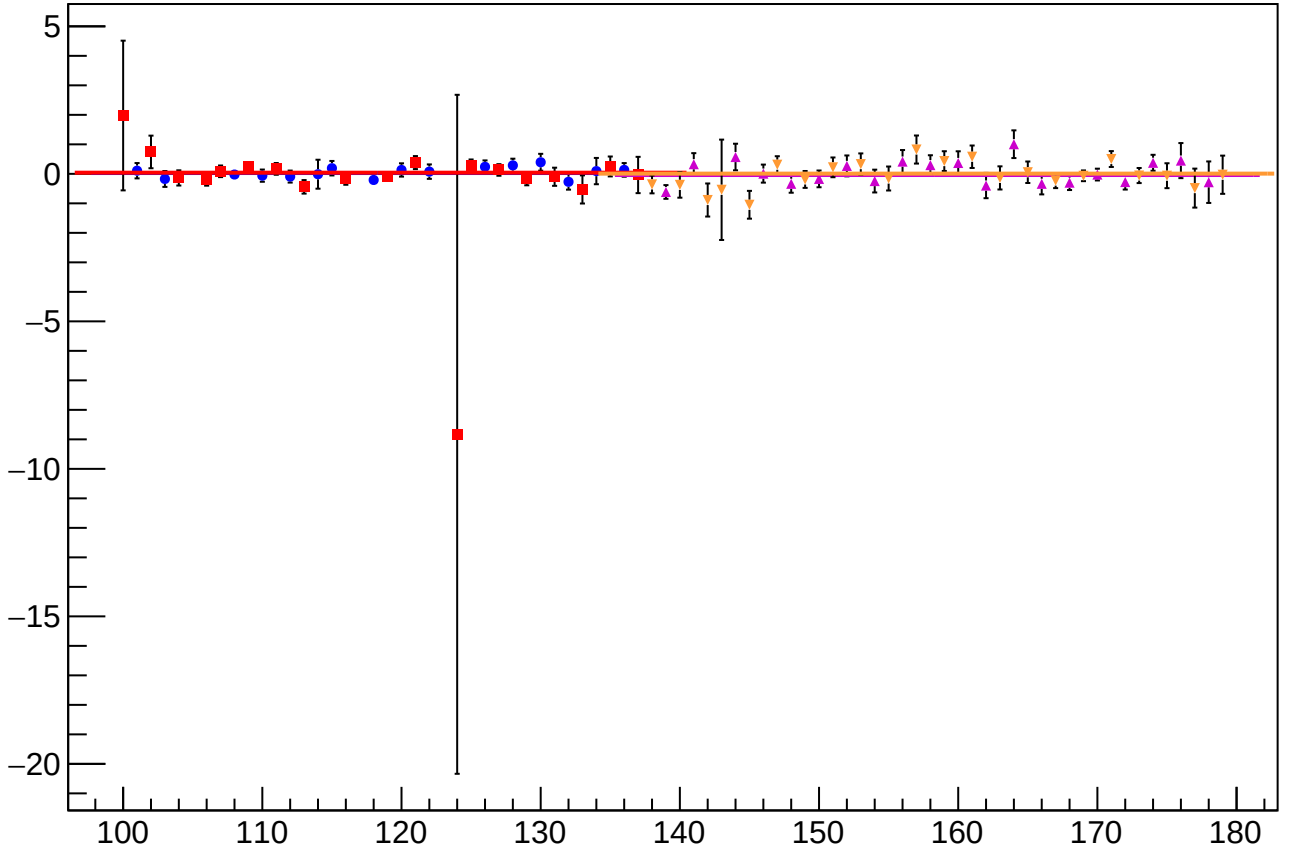
Left In: 275.800+/-0.051 χ^2/NDF:2341639.7/19

+ sign 199.072+/-0.032 χ^2/NDF: 9169200.3/37

All: 192.529+/-0.022 χ^2/NDF: 18088957.6/76

- sign 186.436+/-0.031 χ^2/NDF: 8838626.9/38

asym_at1_avg_at2_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.007+/-0.072 χ^2/NDF:24.8/21

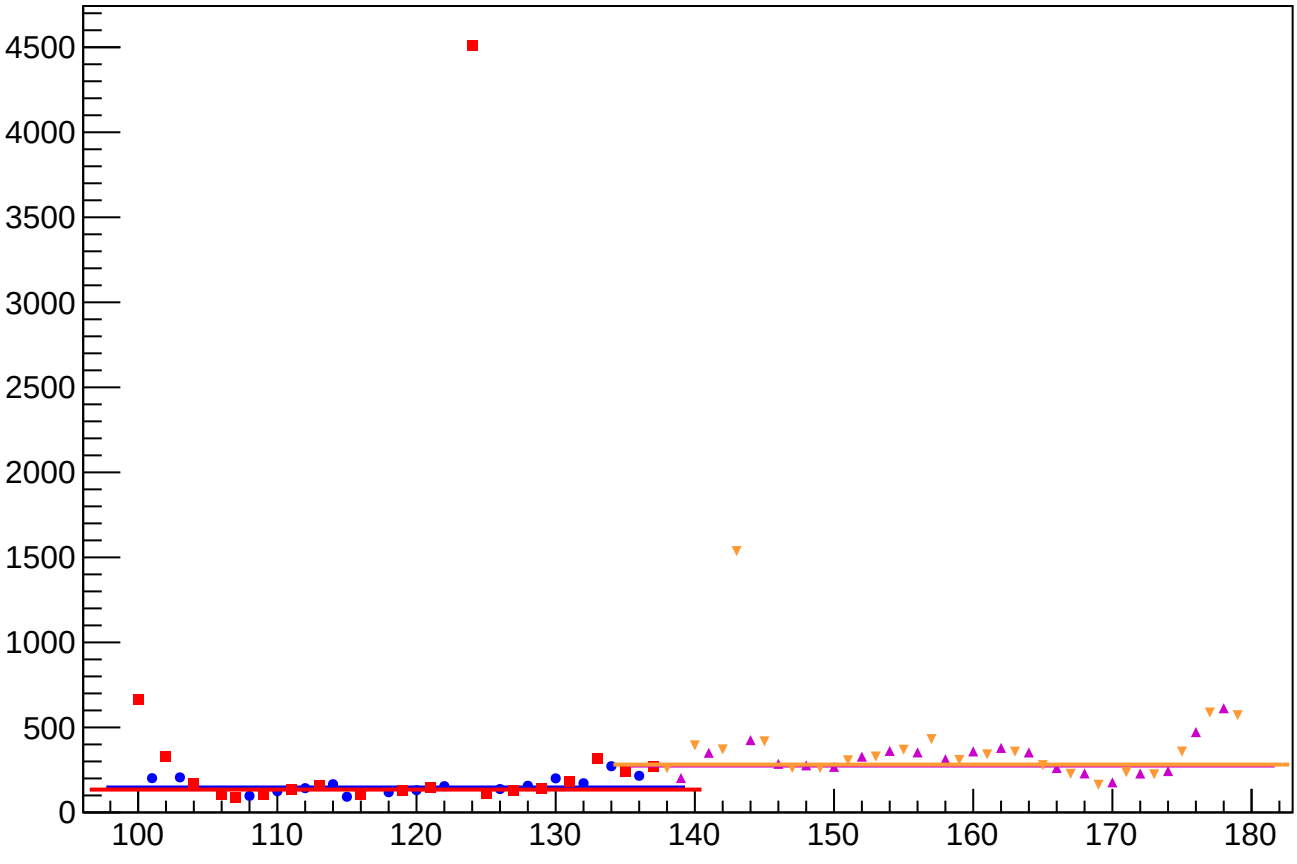
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.040+/-0.072 χ^2/NDF:26.0/19

+ sign 0.020+/-0.045 χ^2/NDF: 34.3/37

All: 0.015+/-0.031 χ^2/NDF: 81.1/76

- sign 0.010+/-0.044 χ^2/NDF: 46.7/38



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 281.543+/-0.051 χ^2/NDF:3942972.6/21

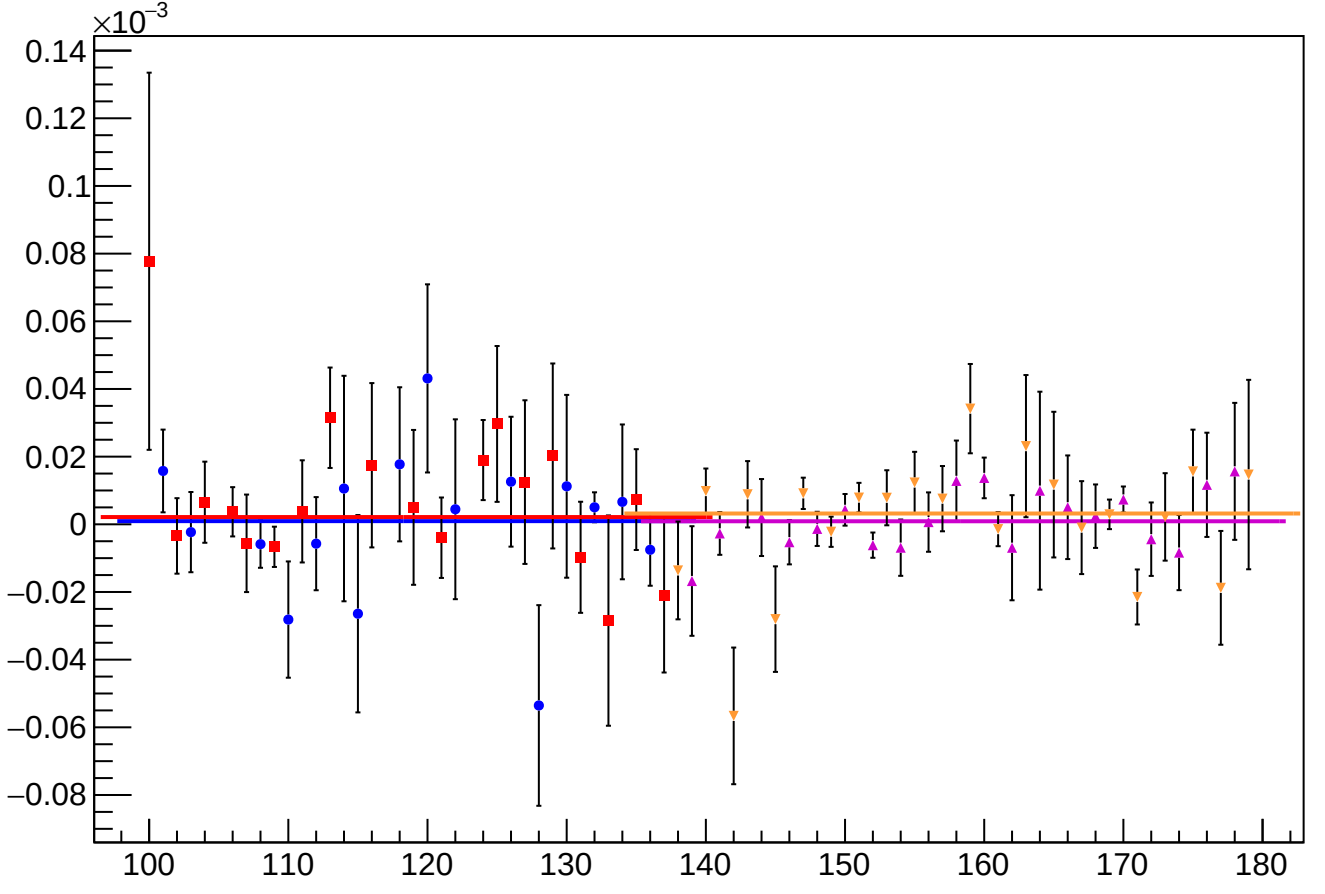
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 275.800+/-0.051 χ^2/NDF:2341639.7/19

+ sign 199.072+/-0.032 χ^2/NDF: 9169200.3/37

All: 192.529+/-0.022 χ^2/NDF: 18088957.6/76

- sign 186.436+/-0.031 χ^2/NDF: 8838626.9/38



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:40.9/21

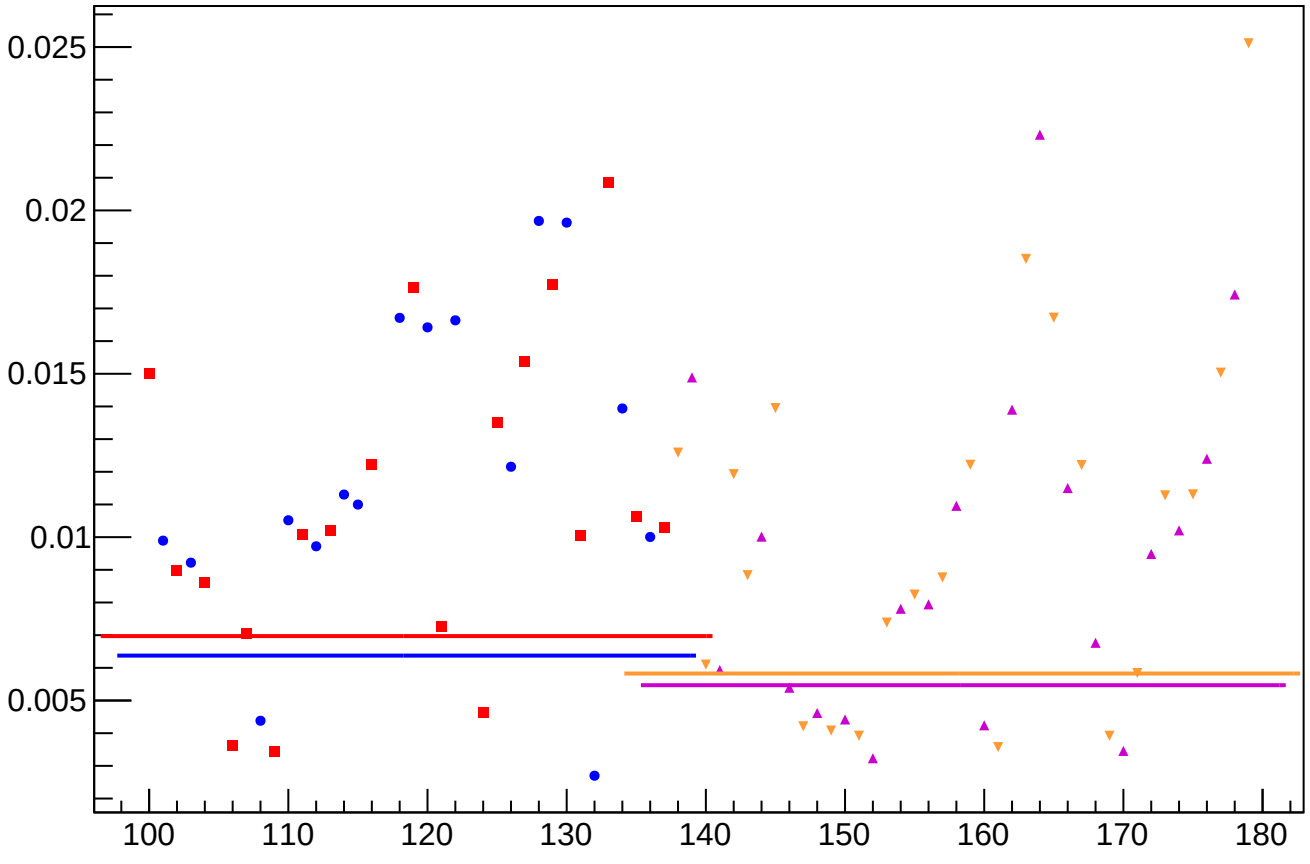
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: 0.000+/-0.000 χ^2/NDF:18.3/19

\+ sign 0.000+/-0.000 χ^2/NDF: 56.2/37

All: 0.000+/-0.000 χ^2/NDF: 91.3/76

\- sign 0.000+/-0.000 χ^2/NDF: 34.5/38



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.006+/-0.000 χ^2/NDF:7905607.3/21

Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

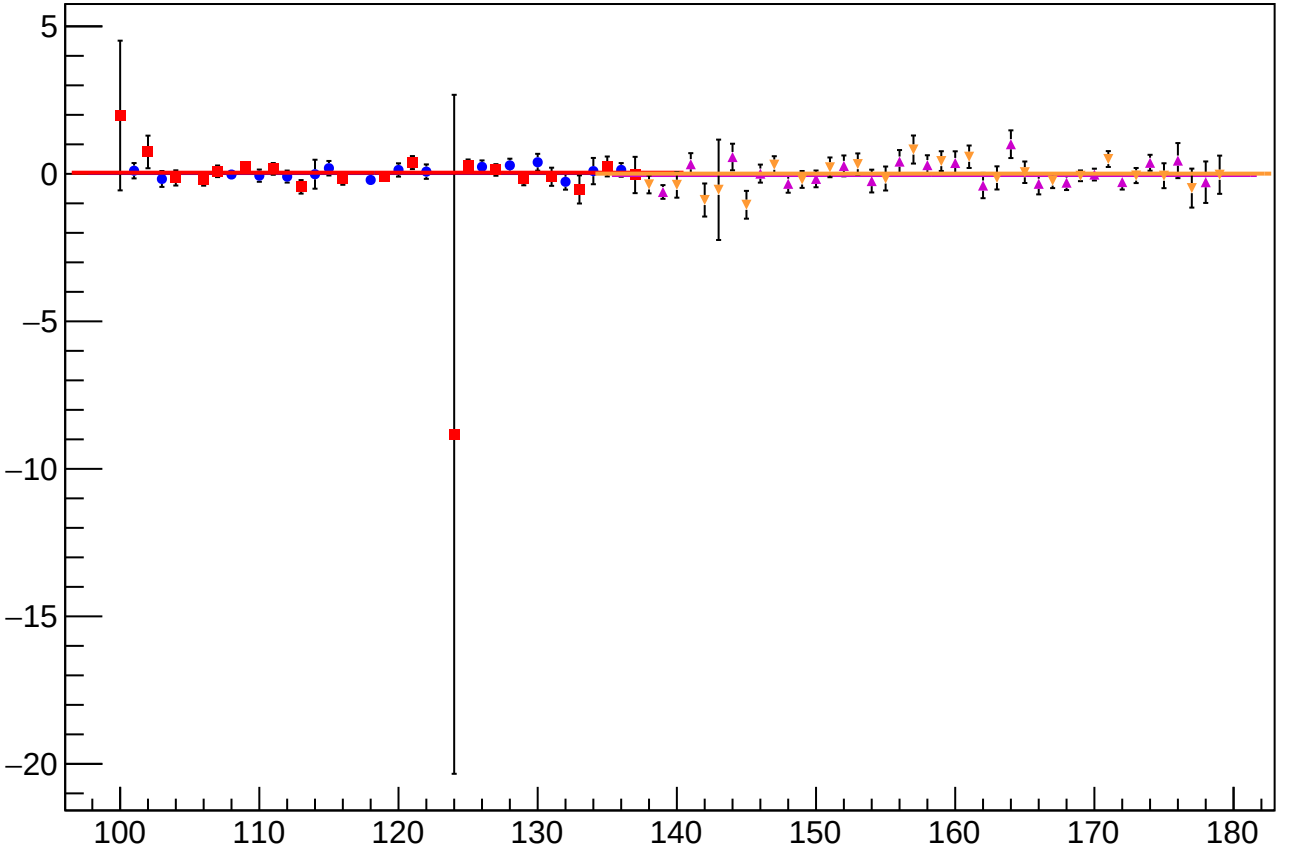
Left In: 0.005+/-0.000 χ^2/NDF:6595169.1/19

+ sign 0.006+/-0.000 χ^2/NDF: 12598679.7/37

All: 0.006+/-0.000 χ^2/NDF: 23004185.0/76

- sign 0.006+/-0.000 χ^2/NDF: 10393129.8/38

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.007+/-0.072 χ^2/NDF:24.8/21

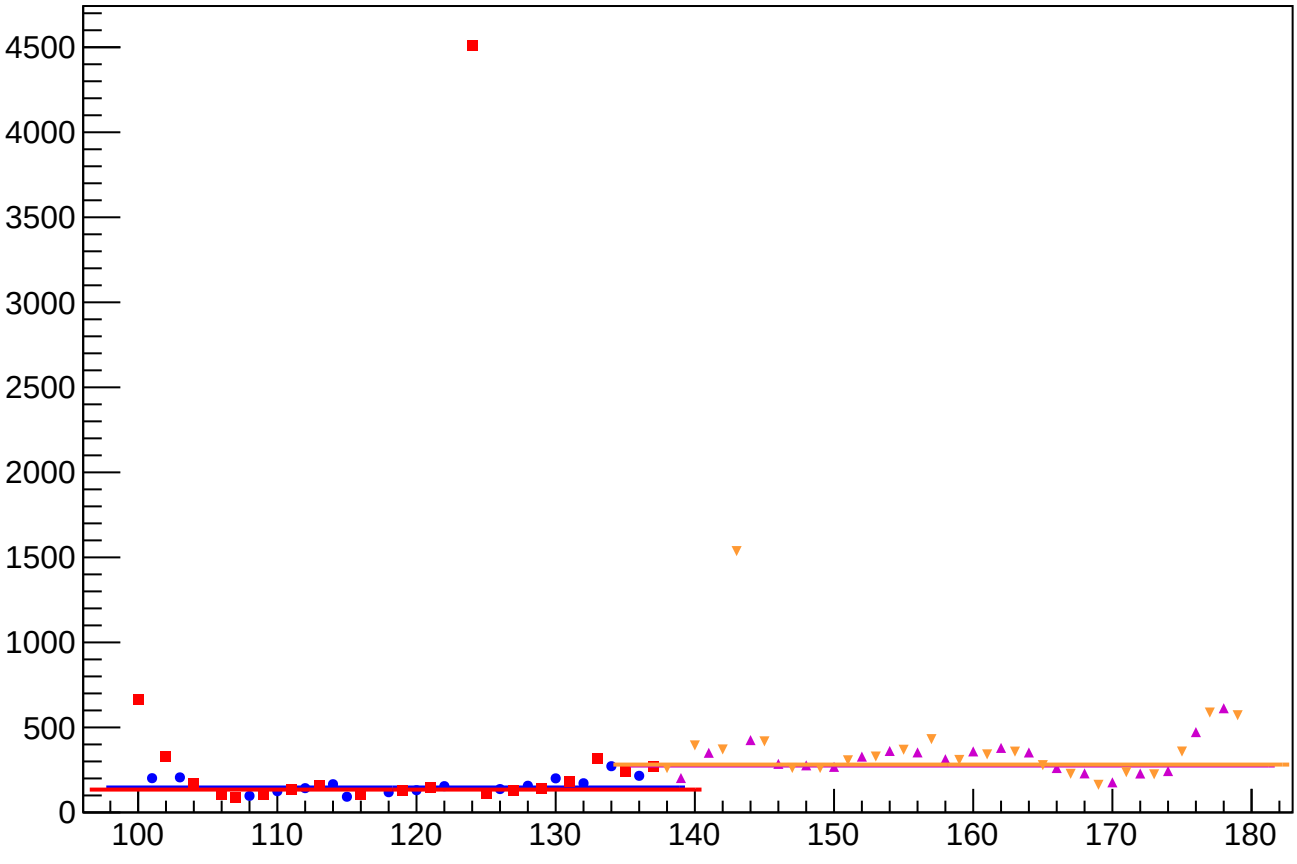
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.040+/-0.072 χ^2/NDF:26.0/19

+ sign 0.020+/-0.045 χ^2/NDF: 34.3/37

All: 0.015+/-0.031 χ^2/NDF: 81.1/76

- sign 0.010+/-0.044 χ^2/NDF: 46.7/38



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 281.543+/-0.051 χ^2/NDF:3943153.6/21

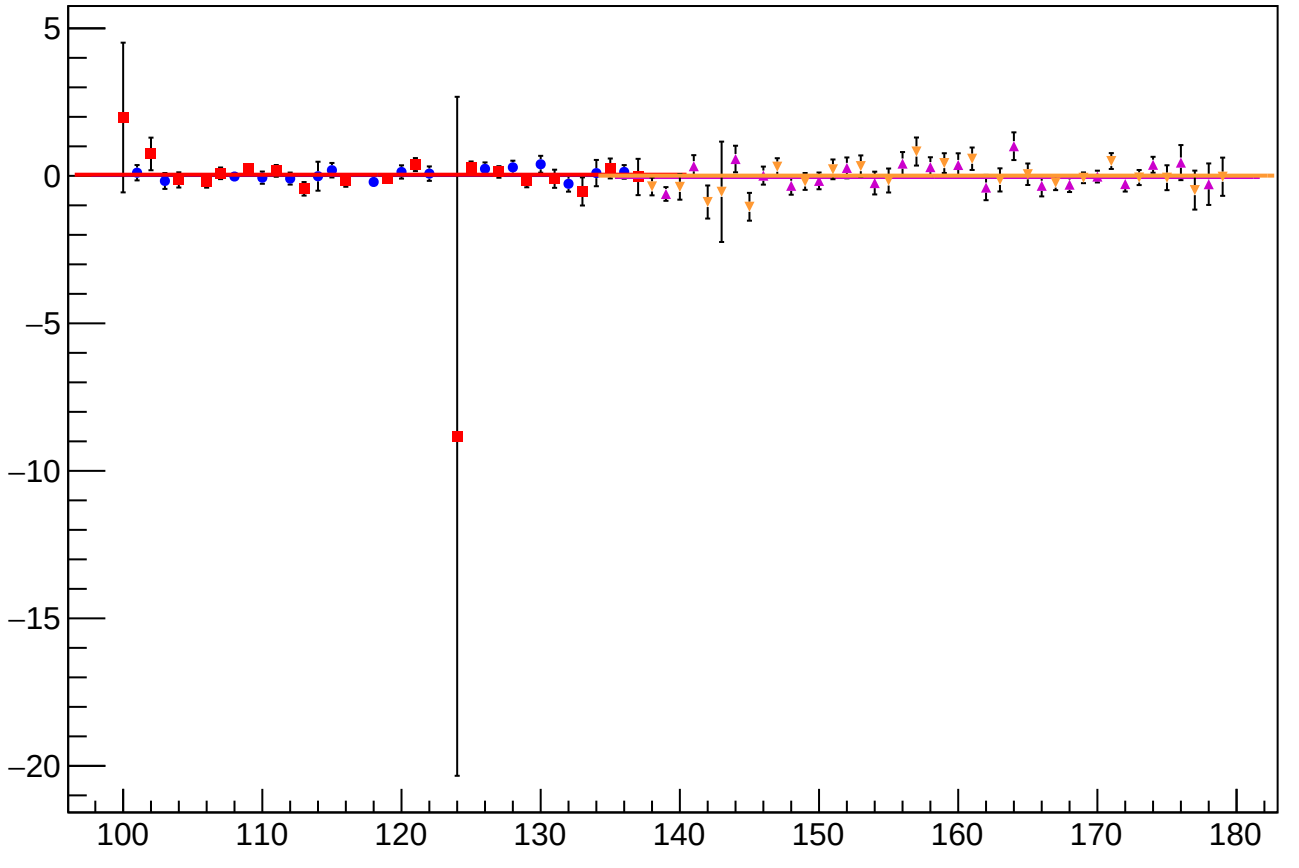
Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 275.802+/-0.051 χ^2/NDF:2341728.8/19

+ sign 199.072+/-0.032 χ^2/NDF: 9169320.6/37

All: 192.529+/-0.022 χ^2/NDF: 18089017.8/76

- sign 186.438+/-0.031 χ^2/NDF: 8838588.6/38



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.007+/-0.072 χ^2/NDF:24.8/21

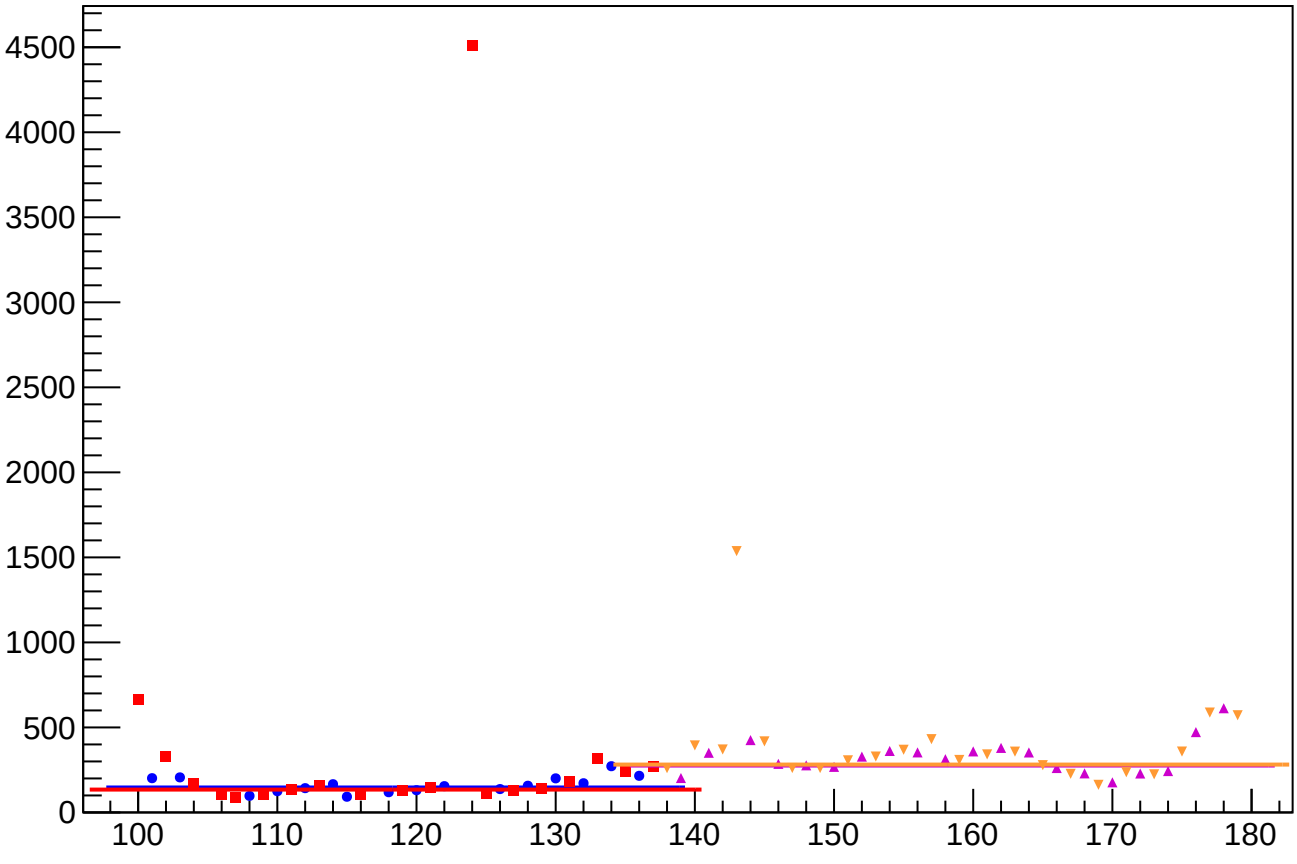
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.040+/-0.072 χ^2/NDF:26.0/19

+ sign 0.020+/-0.045 χ^2/NDF: 34.3/37

All: 0.015+/-0.031 χ^2/NDF: 81.1/76

- sign 0.010+/-0.044 χ^2/NDF: 46.7/38



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 281.543+/-0.051 χ^2/NDF:3943153.6/21

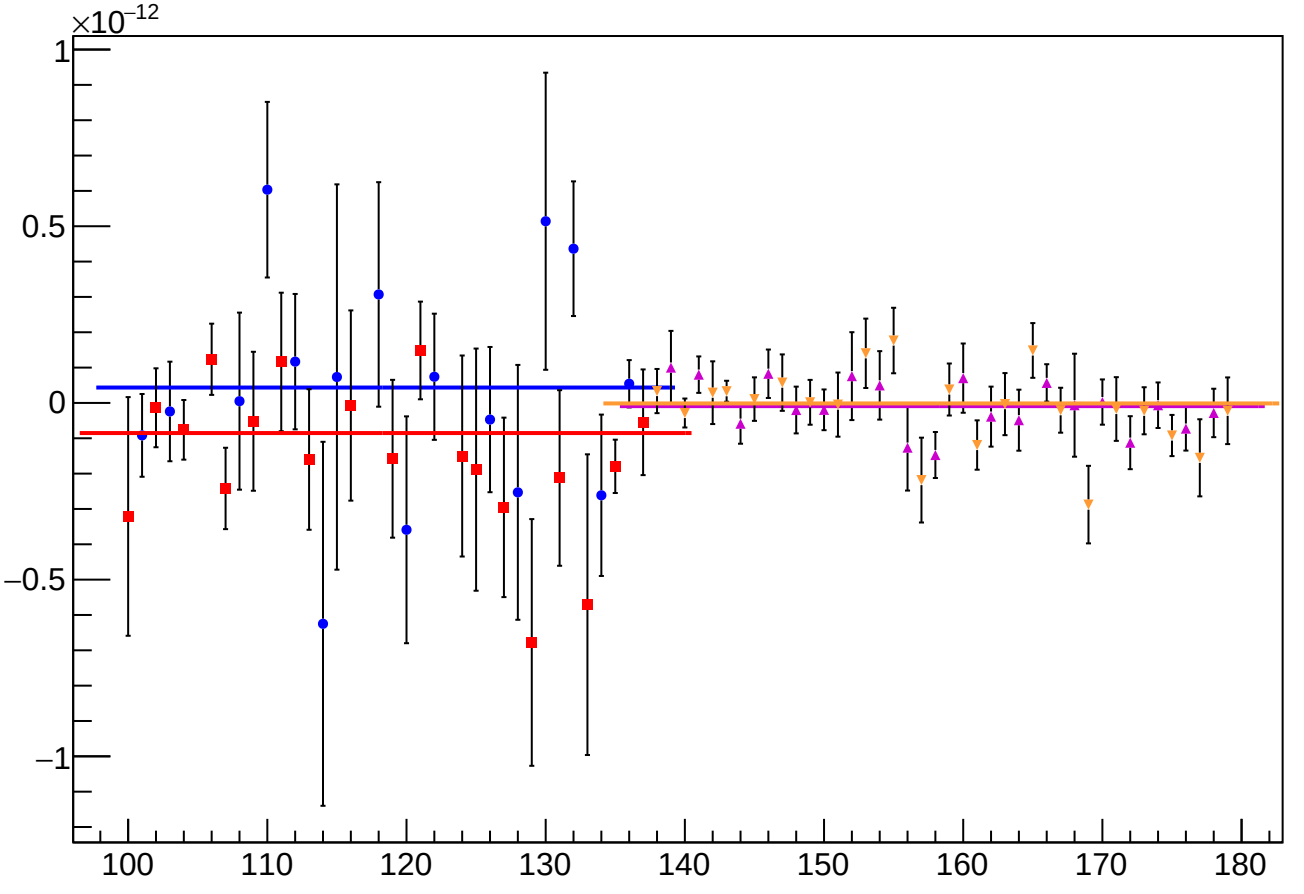
Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 275.802+/-0.051 χ^2/NDF:2341728.8/19

+ sign 199.072+/-0.032 χ^2/NDF: 9169320.6/37

All: 192.529+/-0.022 χ^2/NDF: 18089017.8/76

- sign 186.438+/-0.031 χ^2/NDF: 8838588.6/38



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:30.2/21

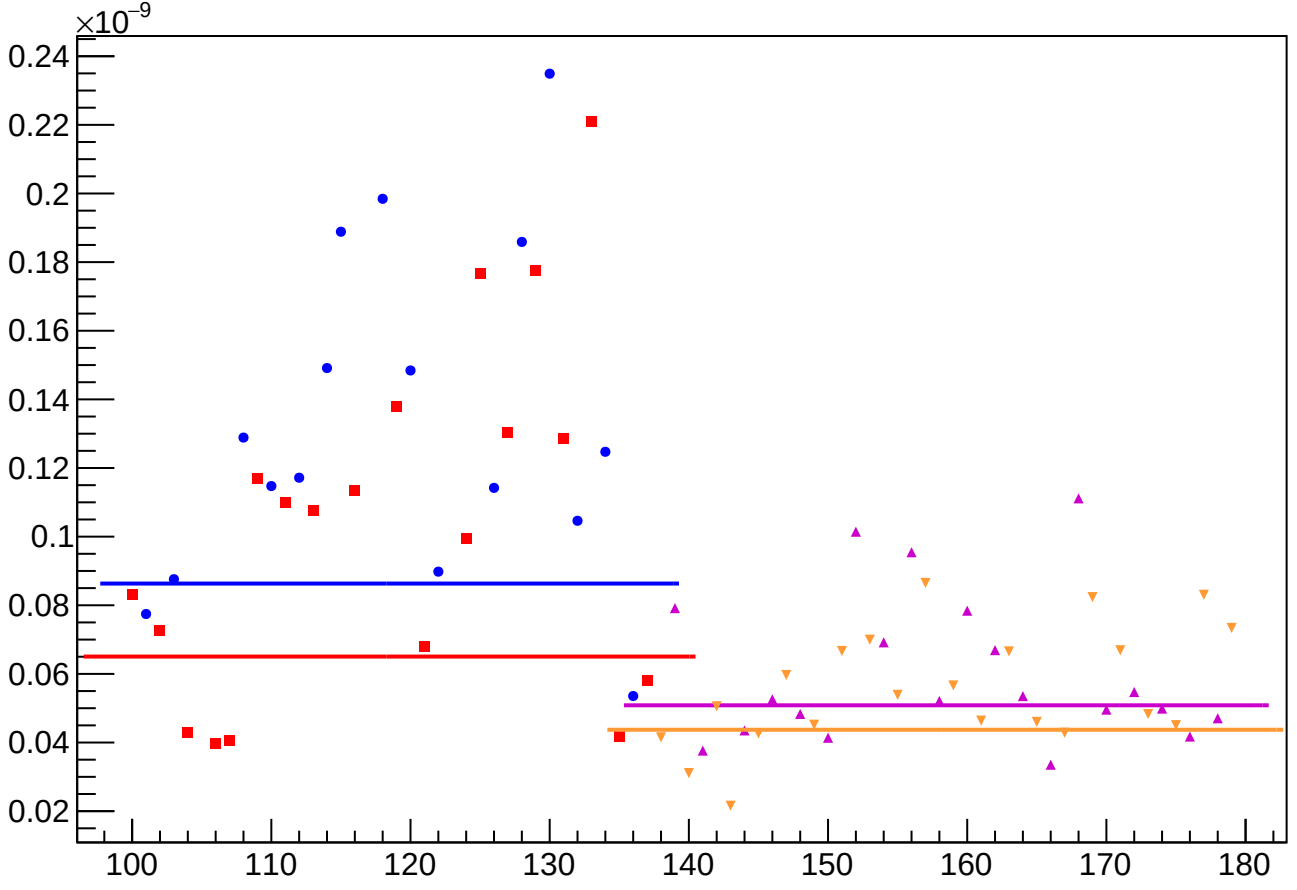
Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:18.6/19

+ sign 0.000+/-0.000 χ^2/NDF: 50.2/37

All: -0.000+/-0.000 χ^2/NDF: 92.7/76

- sign -0.000+/-0.000 χ^2/NDF: 40.9/38



Right In: 0.000+/-0.000 χ^2/NDF: 1565662.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:3001307.6/21

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

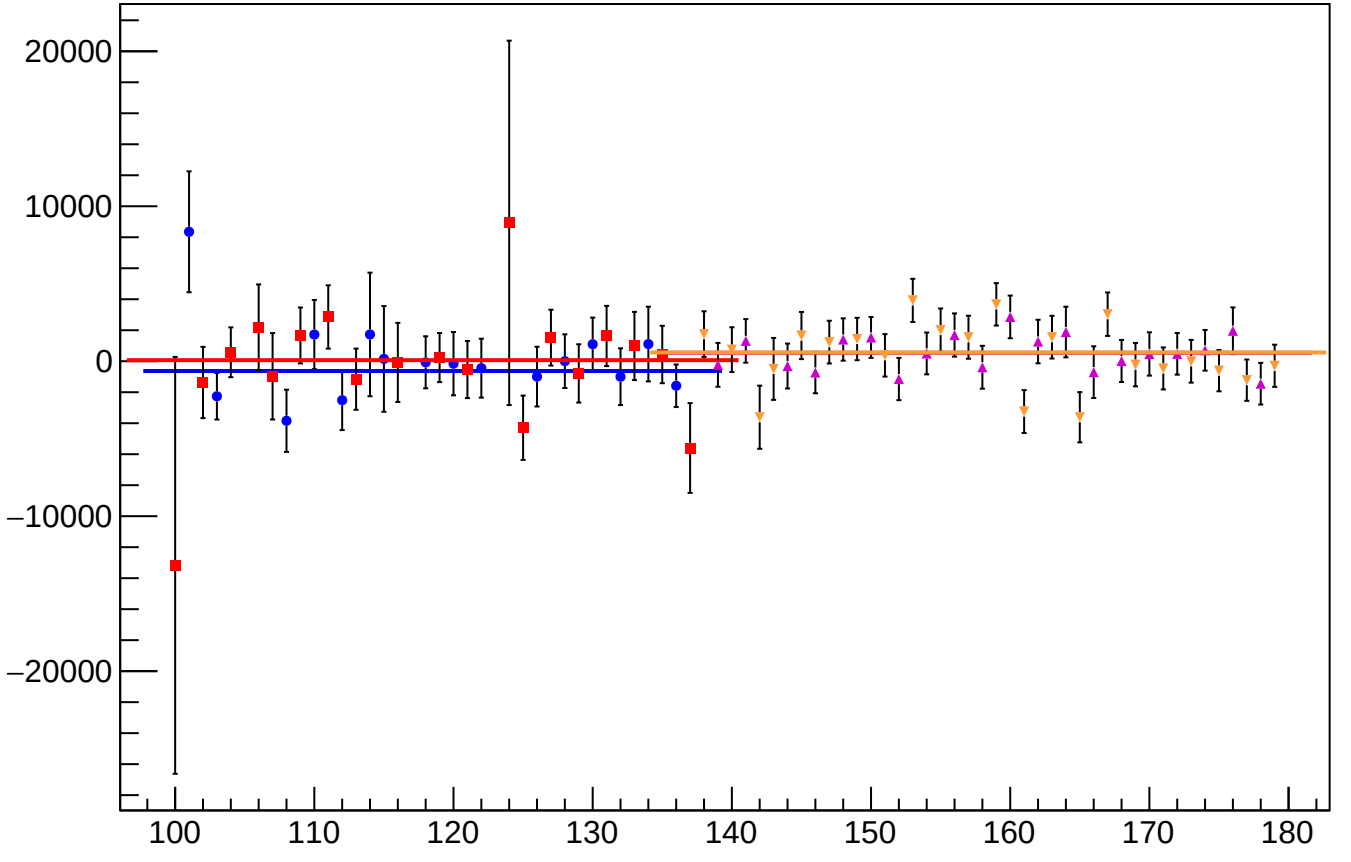
Left In: 0.000+/-0.000 χ^2/NDF:1889080.7/19

+ sign 0.000+/-0.000 χ^2/NDF: 6360486.4/37

All: 0.000+/-0.000 χ^2/NDF: 10847106.3/76

- sign 0.000+/-0.000 χ^2/NDF: 4330615.3/38

reg_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 564.856+/-305.370 χ^2/NDF:40.8/21

Right Out: 67.642+/-487.761 χ^2/NDF: 15.9/18

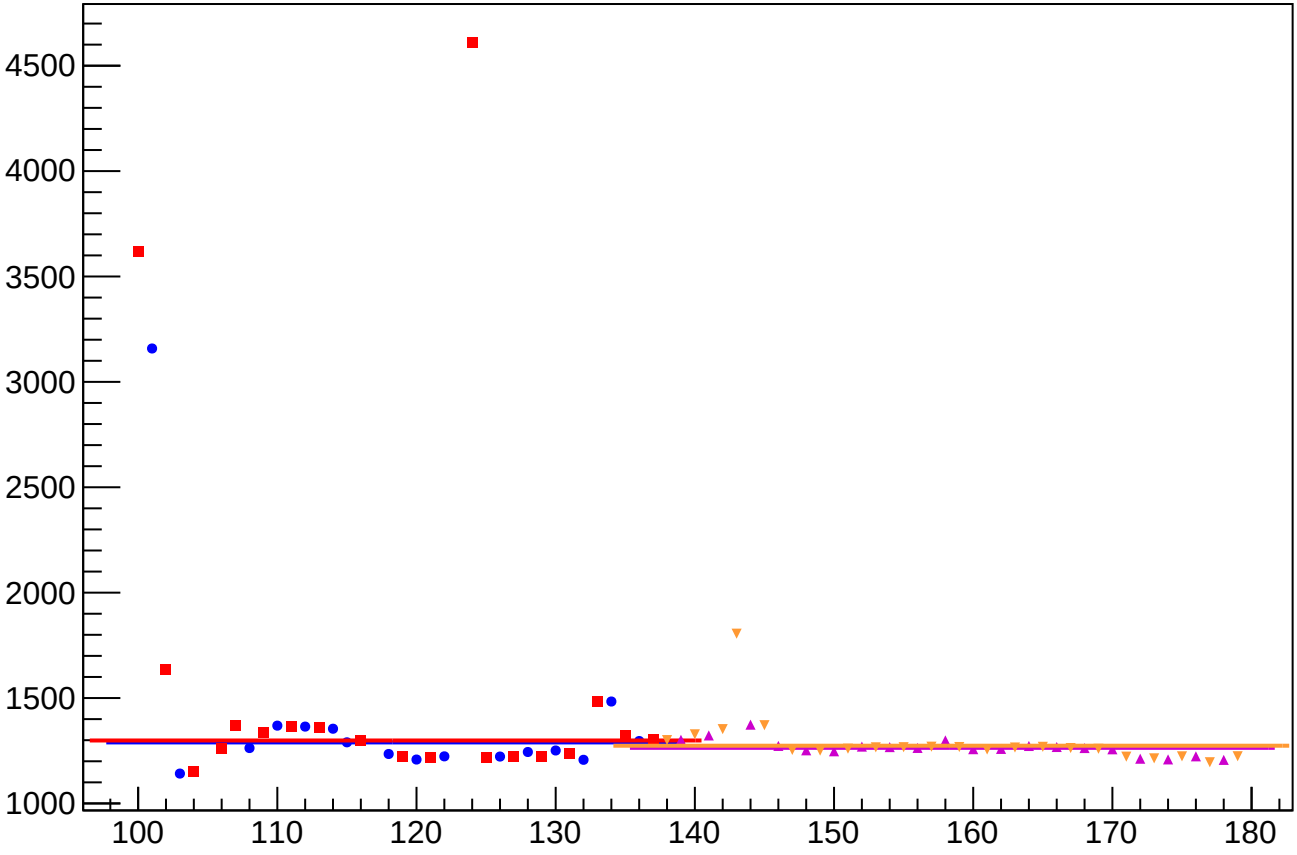
Left In: 543.002+/-312.722 χ^2/NDF:13.1/19

+ sign 228.999+/-258.964 χ^2/NDF: 59.0/37

All: 315.318+/-184.615 χ^2/NDF: 88.8/76

- sign 404.524+/-263.260 χ^2/NDF: 29.6/38

reg_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1273.834+/-0.216 χ^2/NDF:177476.2/21

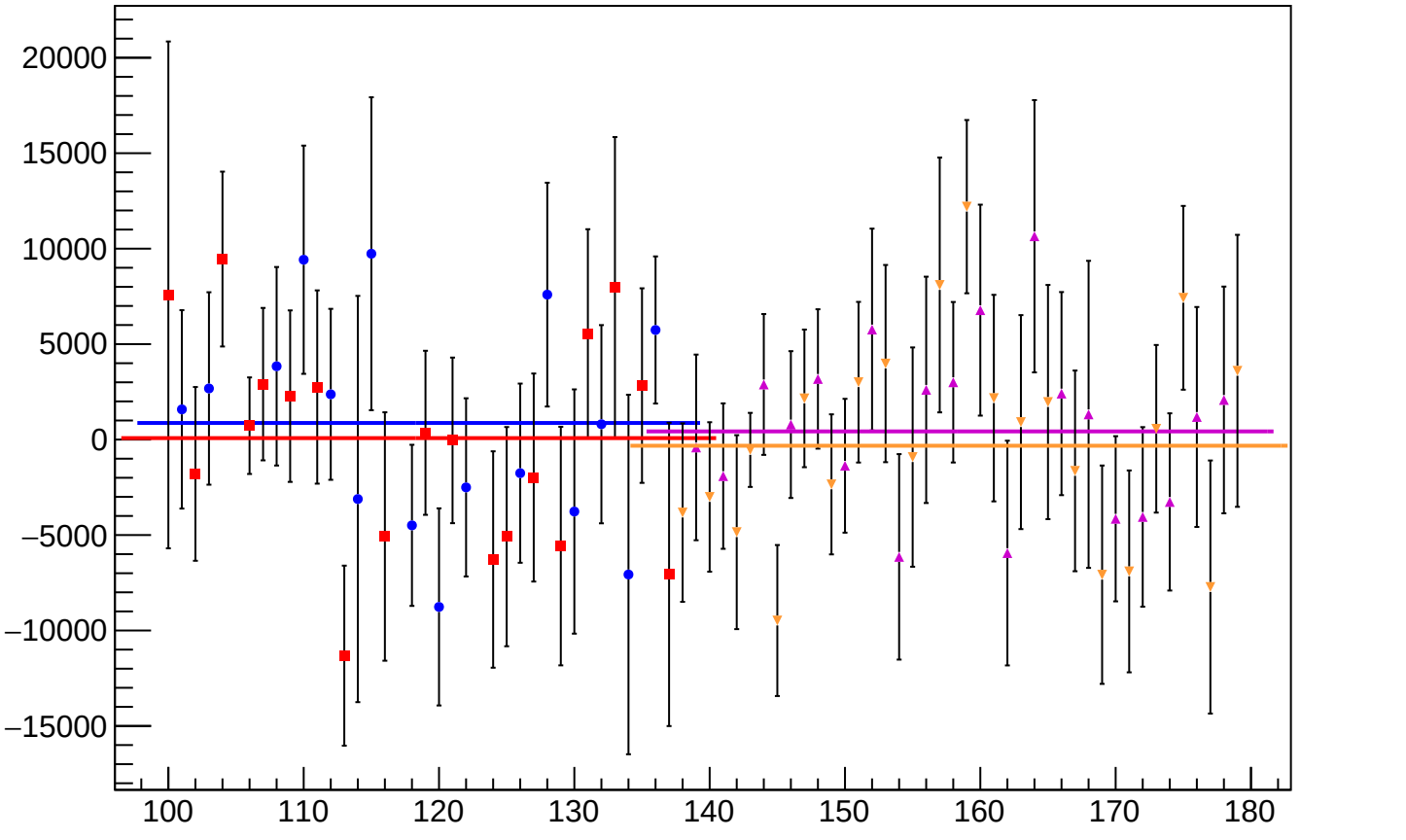
Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1263.728+/-0.221 χ^2/NDF:30050.0/19

+ sign 1278.224+/-0.183 χ^2/NDF: 693623.2/37

All: 1276.116+/-0.130 χ^2/NDF: 1050612.2/76

- sign 1273.941+/-0.186 χ^2/NDF: 356719.8/38



Right In: 870.295+/-1325.278 χ^2/NDF: 14.0/15

Left Out: -321.877+/-928.901 χ^2/NDF:26.1/21

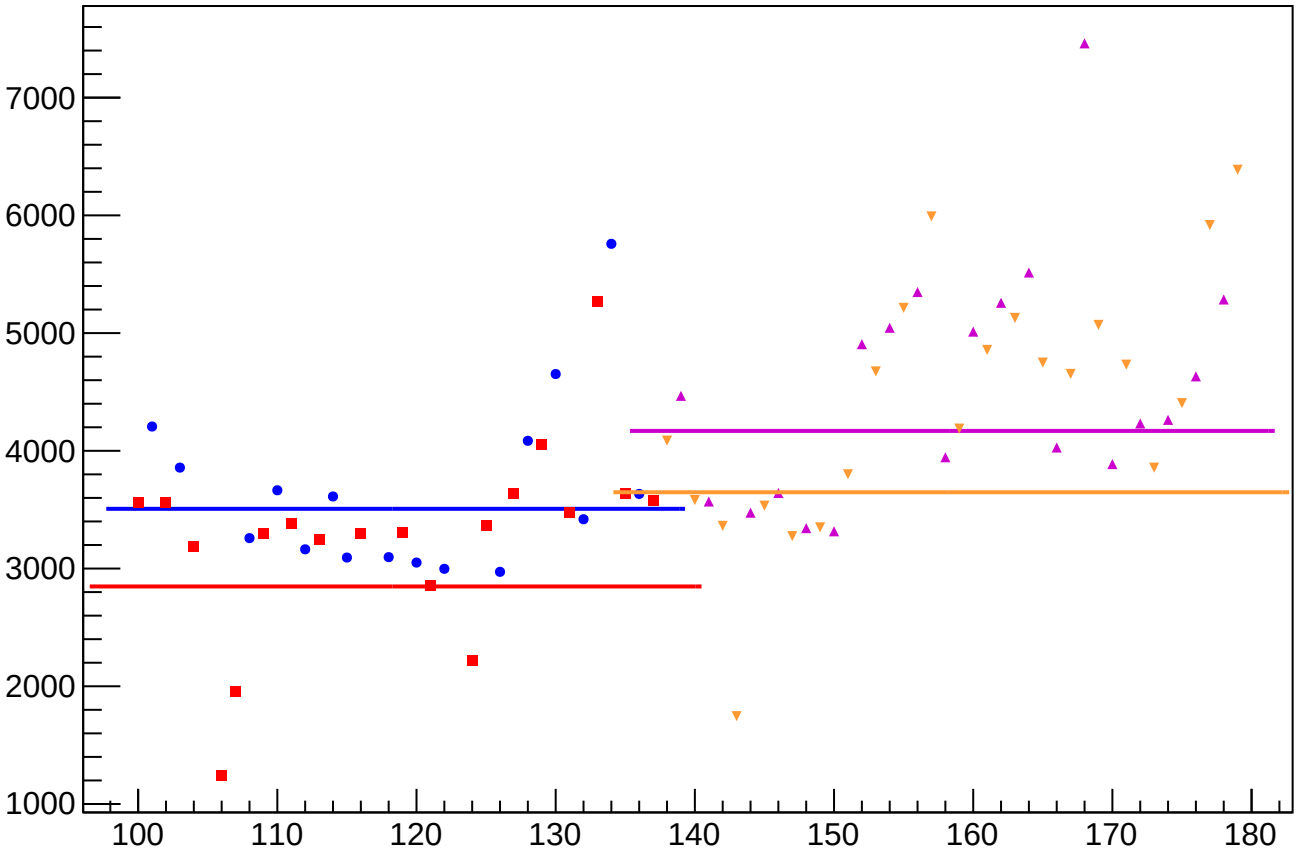
Right Out: 77.323+/-1111.074 χ^2/NDF: 18.4/18

Left In: 428.141+/-1054.120 χ^2/NDF:12.2/19

\+ sign 70.863+/-760.660 χ^2/NDF: 40.7/37

All: 165.900+/-539.297 χ^2/NDF: 71.3/76

\- sign 261.954+/-764.717 χ^2/NDF: 30.6/38



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

Left Out: 3648.051+/-0.657 χ^2/NDF:3658618.3/21

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

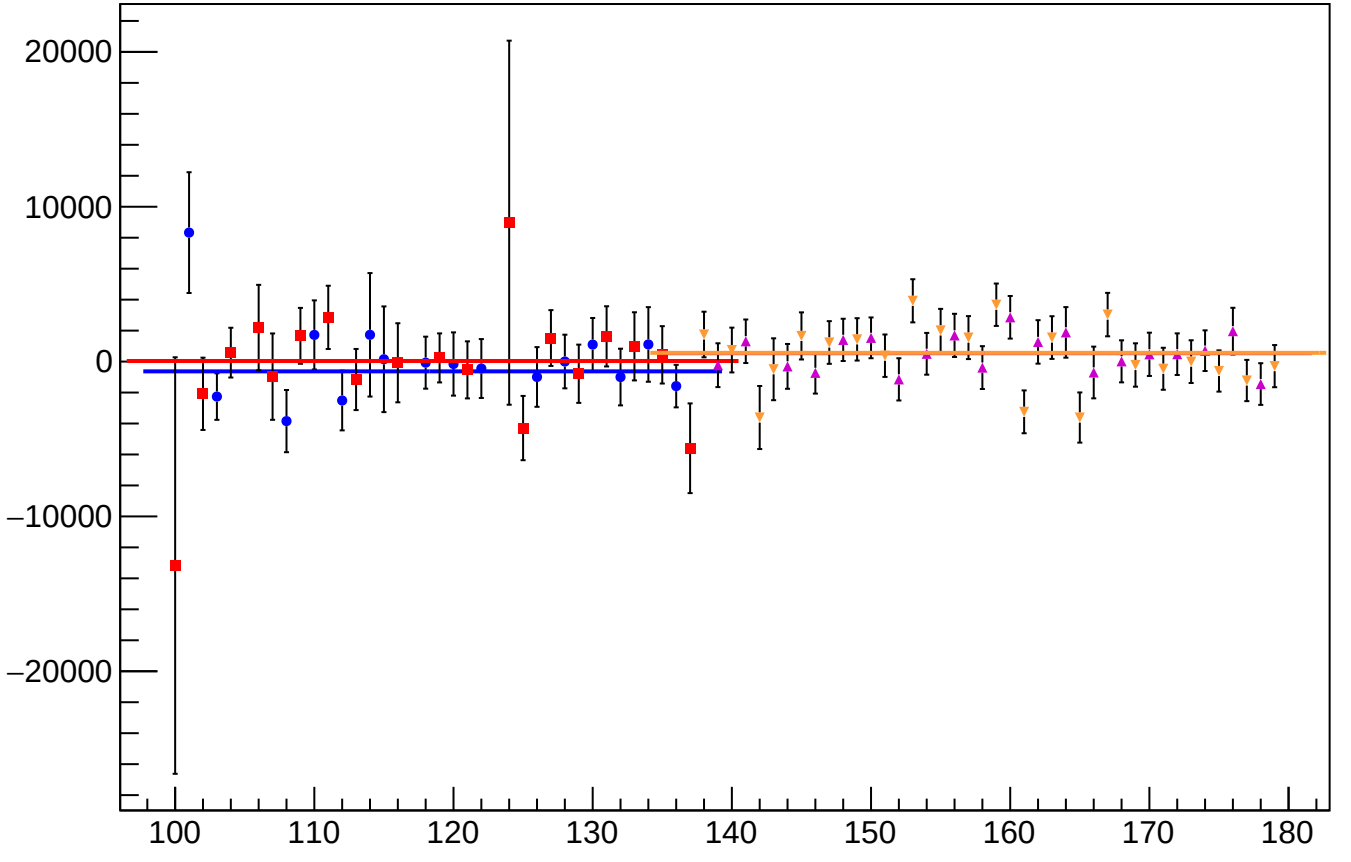
Left In: 4169.150+/-0.745 χ^2/NDF:1179312.4/19

+ sign 3601.715+/-0.538 χ^2/NDF: 4027703.8/37

All: 3572.625+/-0.381 χ^2/NDF: 8200878.4/76

- sign 3543.224+/-0.541 χ^2/NDF: 4167293.2/38

cor_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 564.875+/-305.370 χ^2/NDF:40.8/21

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

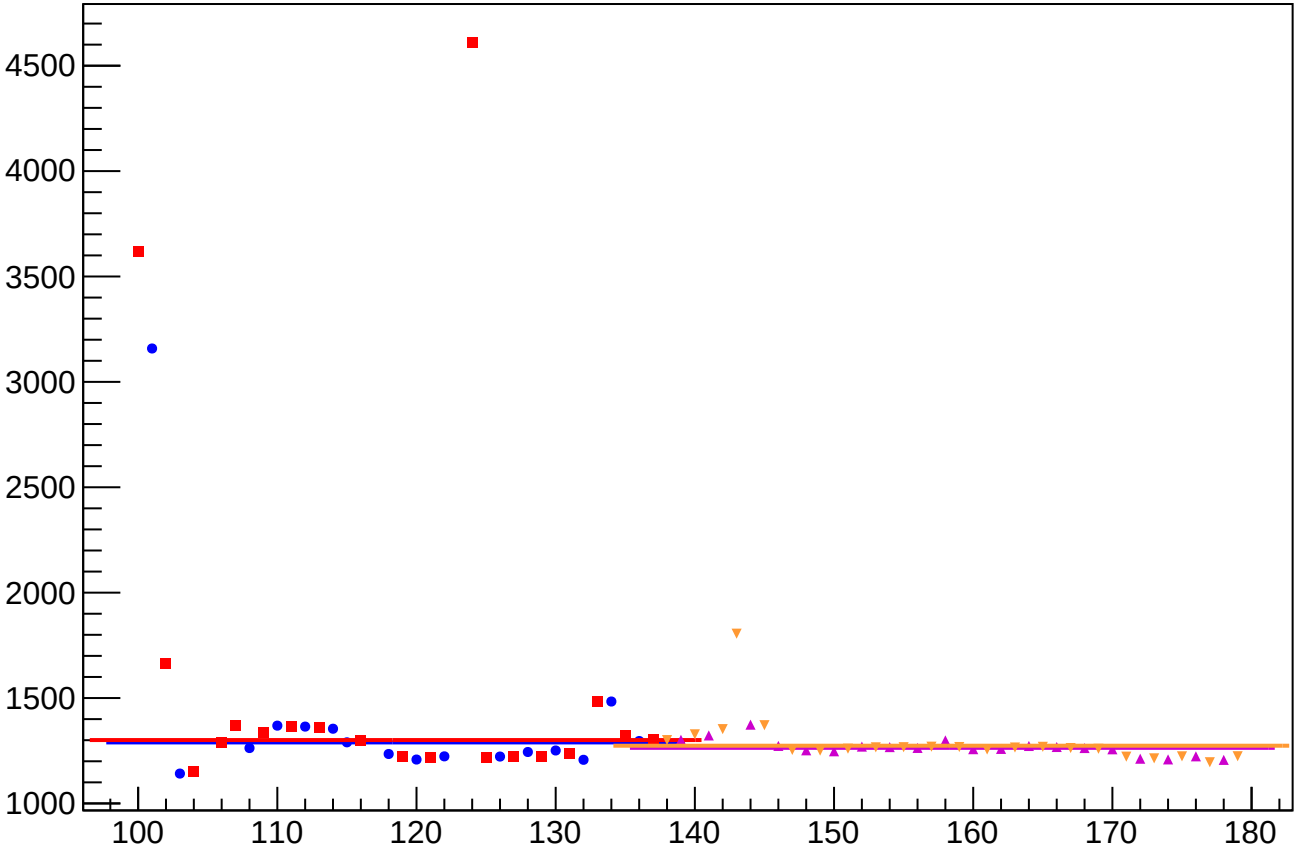
Left In: 542.923+/-312.722 χ^2/NDF:13.1/19

+ sign 228.905+/-258.964 χ^2/NDF: 58.9/37

All: 311.137+/-184.633 χ^2/NDF: 89.3/76

- sign 396.153+/-263.311 χ^2/NDF: 30.1/38

cor_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1273.834+/-0.216 χ^2/NDF:177476.2/21

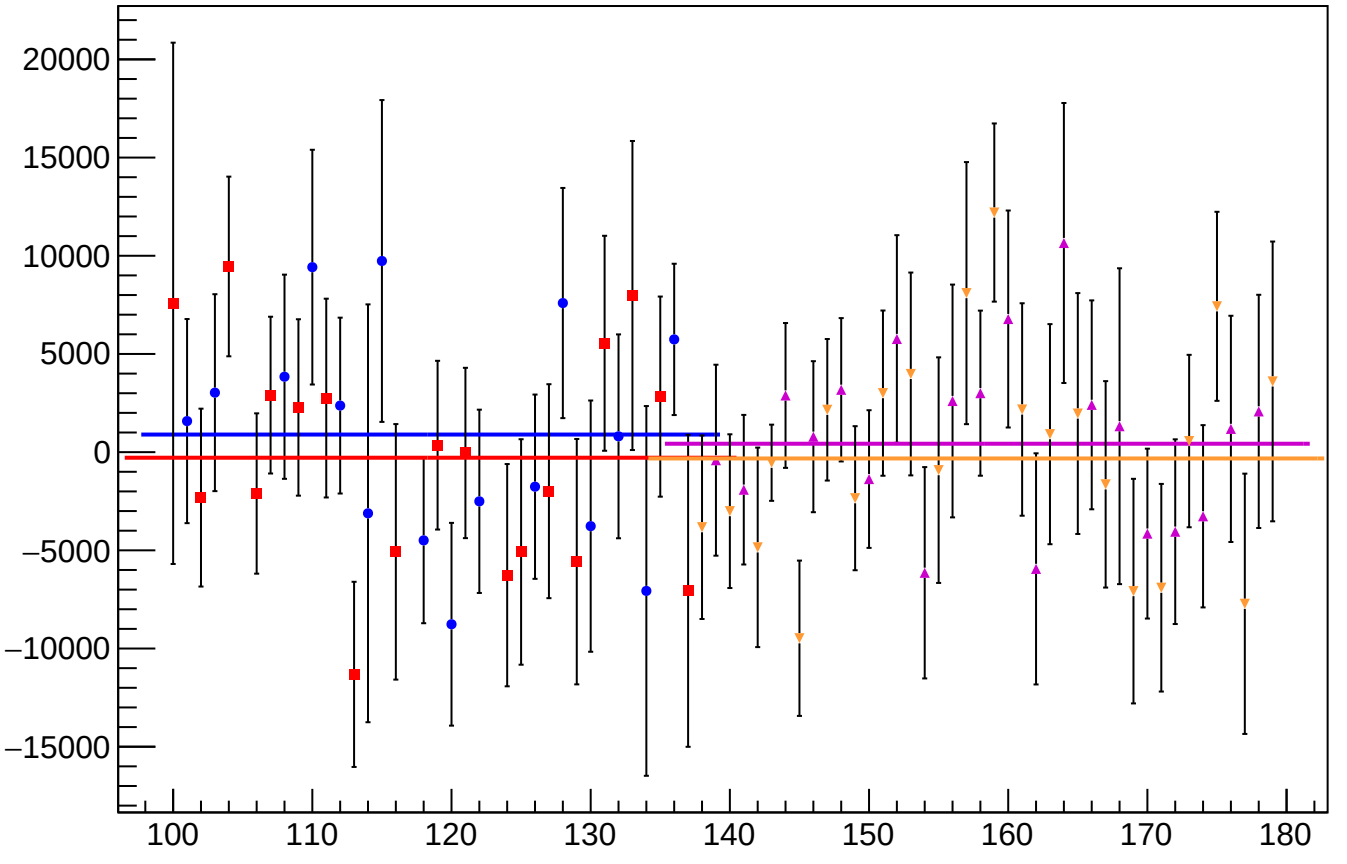
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1263.728+/-0.221 χ^2/NDF:30050.0/19

+ sign 1278.224+/-0.183 χ^2/NDF: 693624.6/37

All: 1276.398+/-0.131 χ^2/NDF: 1057934.7/76

- sign 1274.512+/-0.186 χ^2/NDF: 364107.9/38



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -321.812+/-928.899 χ^2/NDF:26.1/21

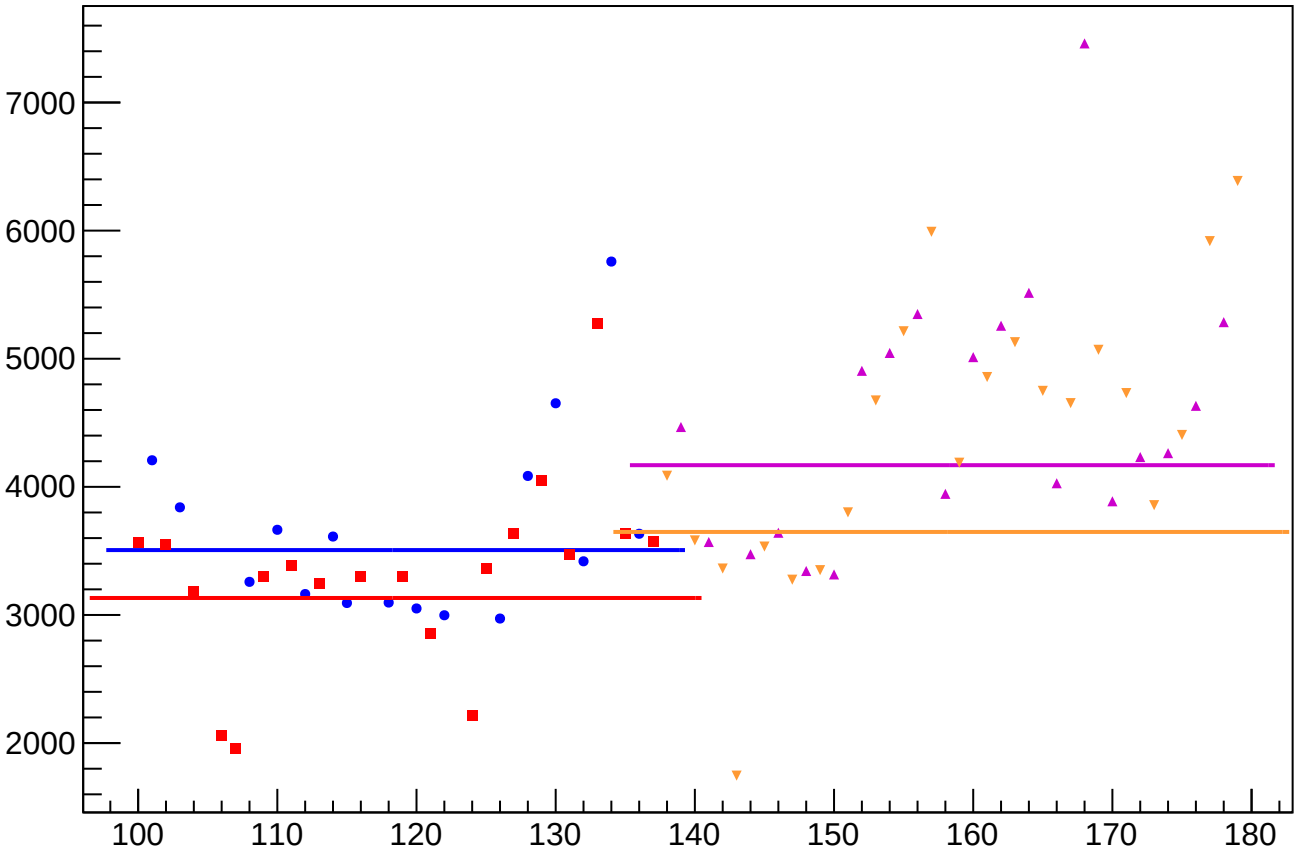
Right Out: -283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: 428.148+/-1054.118 χ^2/NDF:12.2/19

+ sign 79.564+/-760.573 χ^2/NDF: 40.8/37

All: 95.726+/-546.931 χ^2/NDF: 71.7/76

- sign 113.033+/-787.061 χ^2/NDF: 31.0/38



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3648.042+/-0.657 χ^2/NDF:3658655.1/21

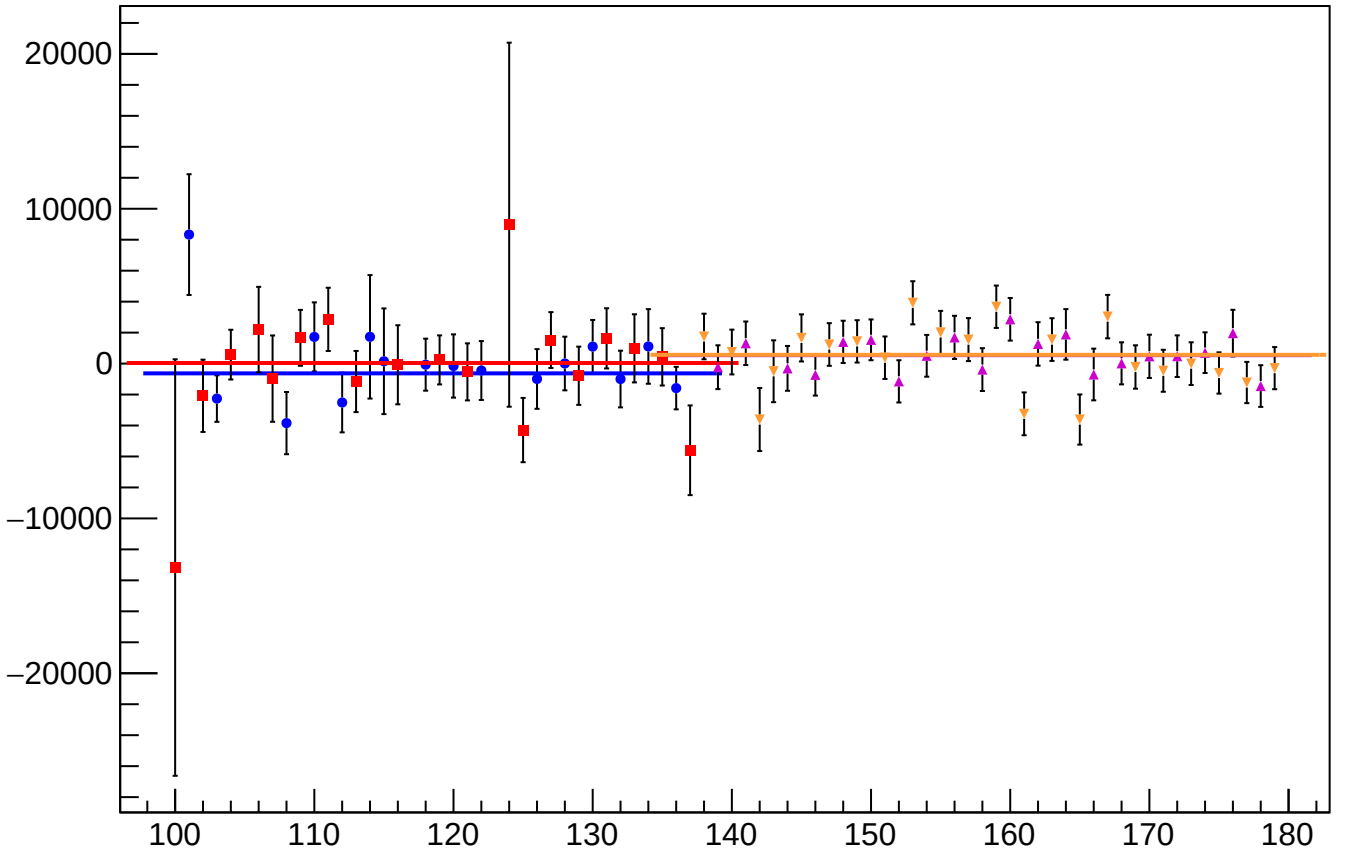
Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 4169.144+/-0.745 χ^2/NDF:1179312.1/19

+ sign 3601.387+/-0.538 χ^2/NDF: 4027201.1/37

All: 3654.056+/-0.387 χ^2/NDF: 6731761.9/76

- sign 3710.459+/-0.557 χ^2/NDF: 2684698.9/38



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 564.875+/-305.370 χ^2/NDF:40.8/21

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

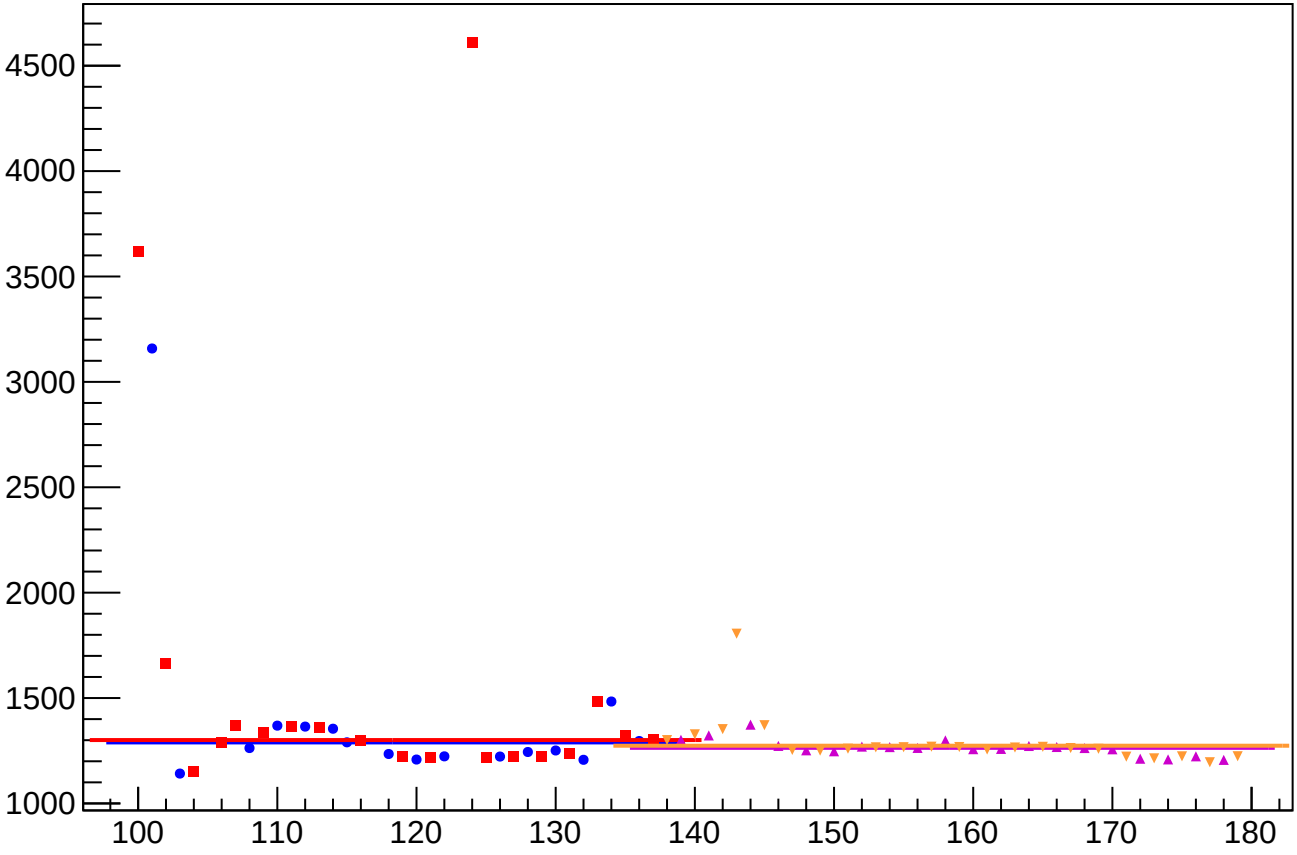
Left In: 542.923+/-312.722 χ^2/NDF:13.1/19

+ sign 228.905+/-258.964 χ^2/NDF: 58.9/37

All: 311.137+/-184.633 χ^2/NDF: 89.3/76

- sign 396.153+/-263.311 χ^2/NDF: 30.1/38

eigen_cor_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1273.834+/-0.216 χ^2/NDF:177476.2/21

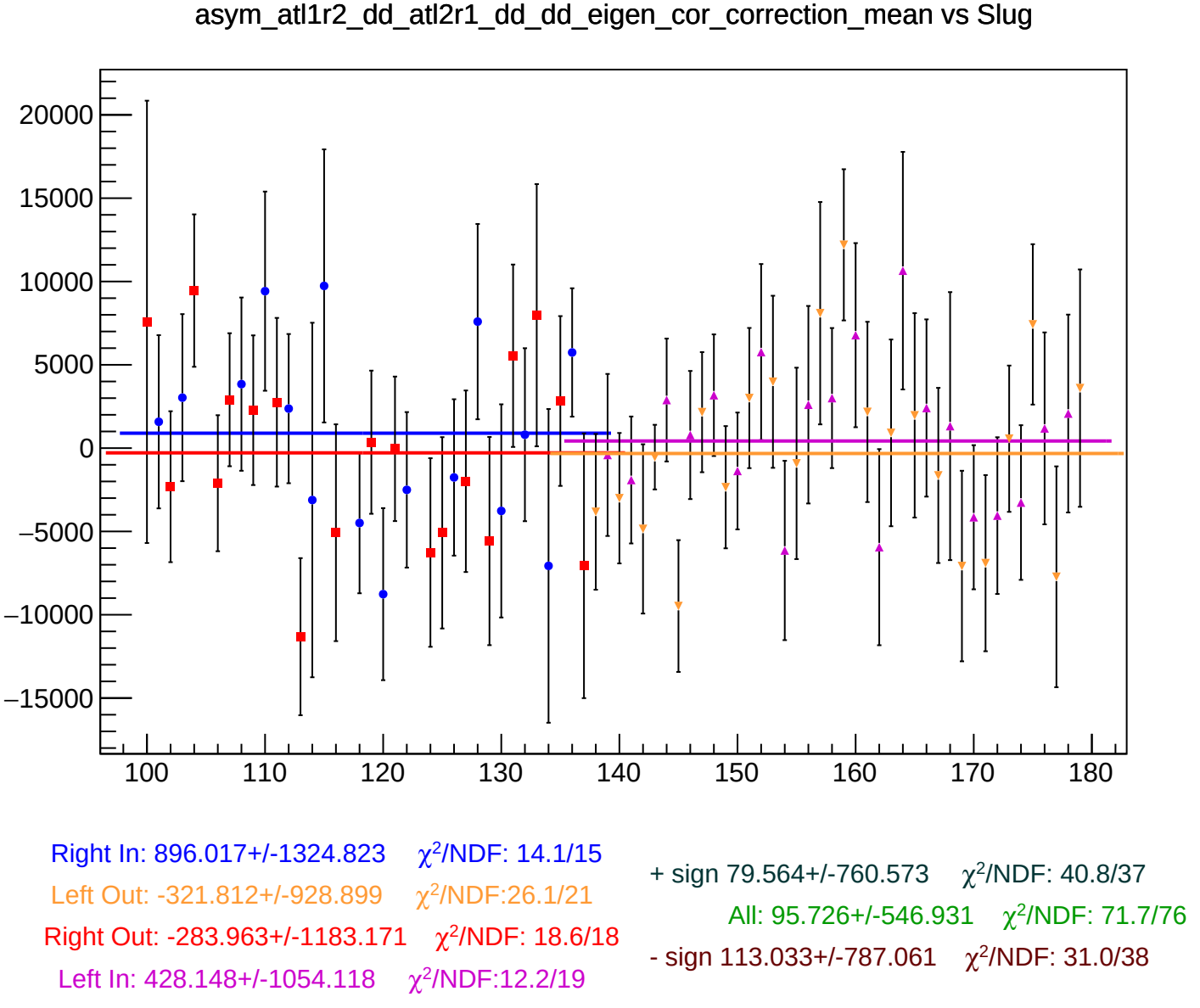
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

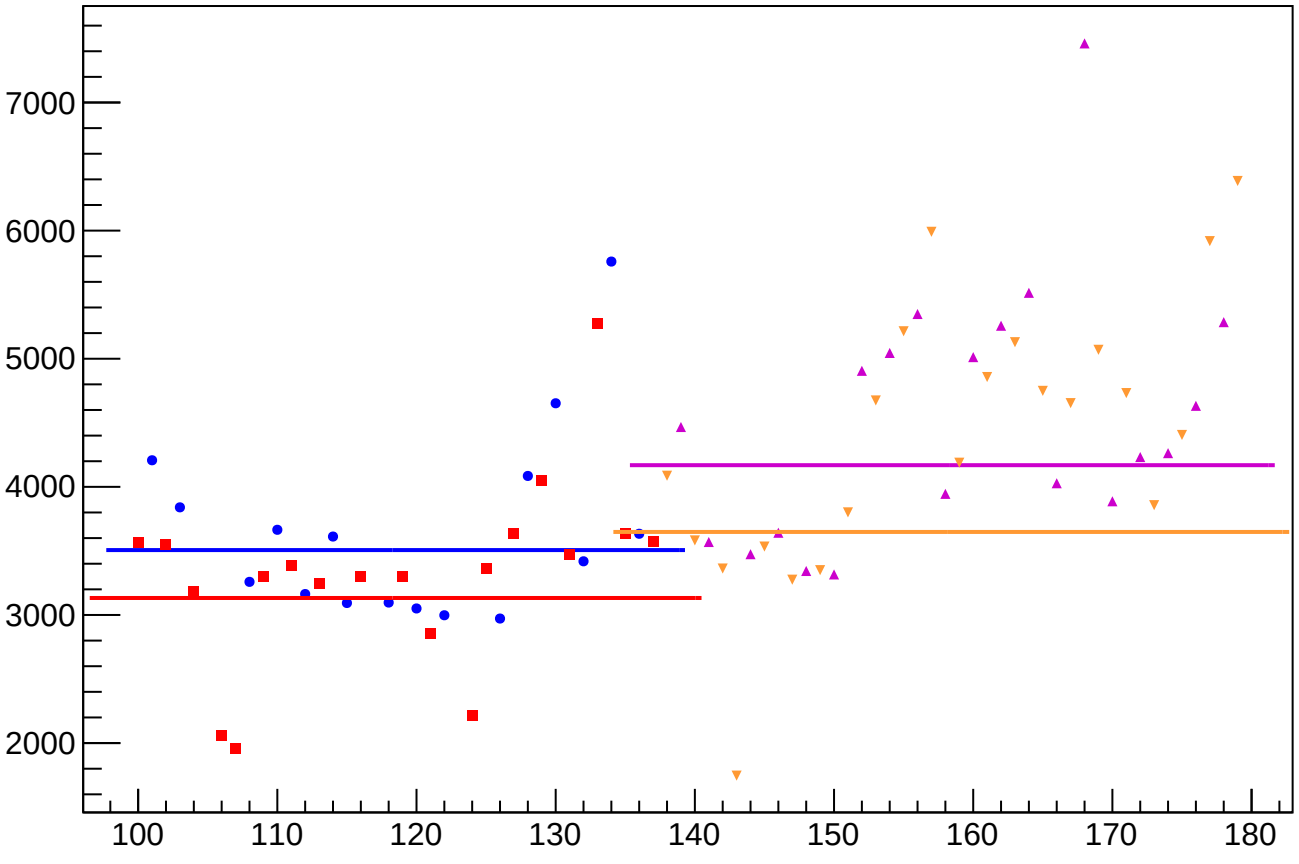
Left In: 1263.728+/-0.221 χ^2/NDF:30050.0/19

+ sign 1278.224+/-0.183 χ^2/NDF: 693624.6/37

All: 1276.398+/-0.131 χ^2/NDF: 1057934.7/76

- sign 1274.512+/-0.186 χ^2/NDF: 364107.9/38


asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_mean vs Slug
20000
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
180
Right In: 896.017+/-1324.823 χ²/NDF: 14.1/15
Left Out: -321.812+/-928.899 χ²/NDF:26.1/21
Right Out: -283.963+/-1183.171 χ²/NDF: 18.6/18
Left In: 428.148+/-1054.118 χ²/NDF:12.2/19
+ sign 79.564+/-760.573 χ²/NDF: 40.8/37
All: 95.726+/-546.931 χ²/NDF: 71.7/76
- sign 113.033+/-787.061 χ²/NDF: 31.0/38



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3648.042+/-0.657 χ^2/NDF:3658655.1/21

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

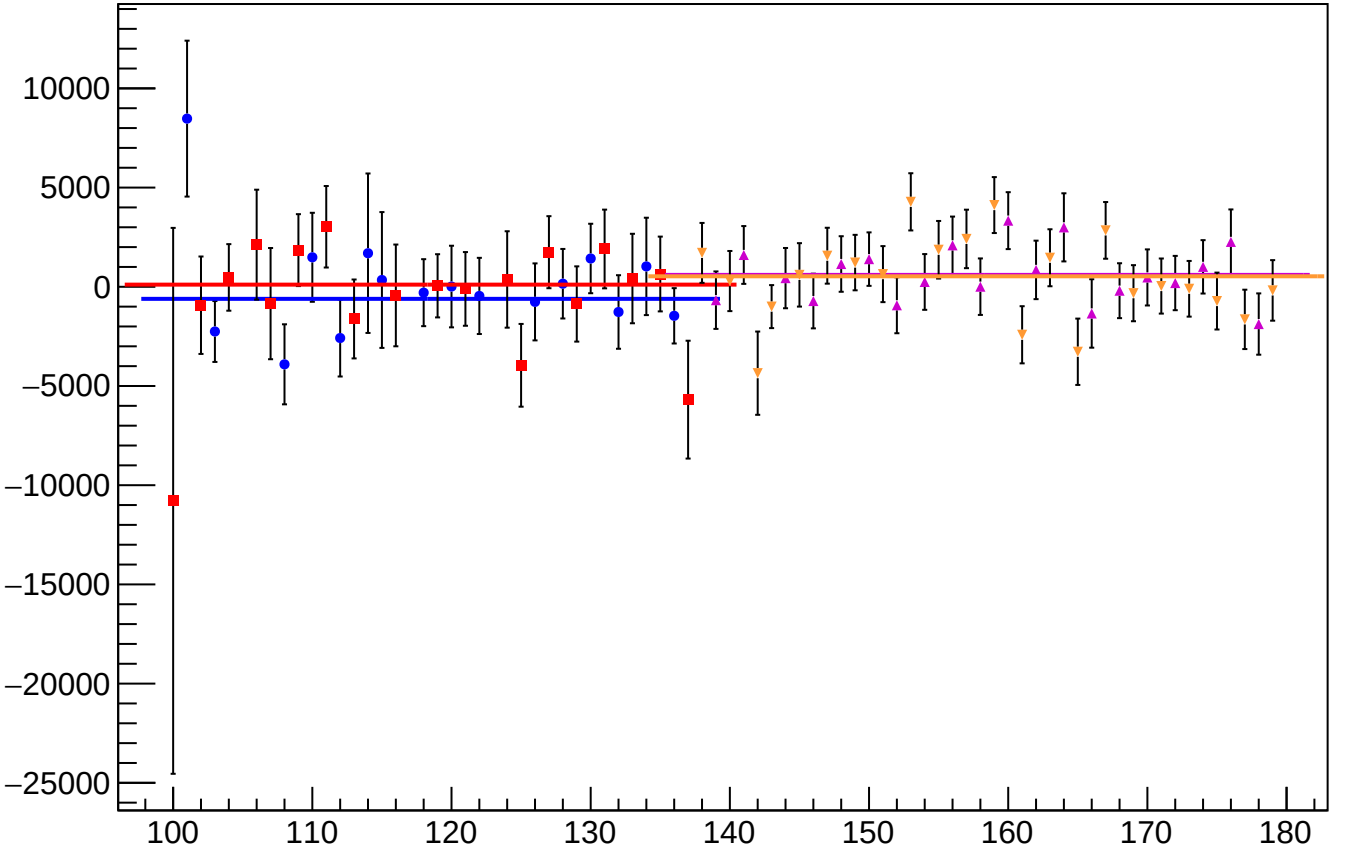
Left In: 4169.144+/-0.745 χ^2/NDF:1179312.1/19

+ sign 3601.387+/-0.538 χ^2/NDF: 4027201.1/37

All: 3654.056+/-0.387 χ^2/NDF: 6731761.9/76

- sign 3710.459+/-0.557 χ^2/NDF: 2684698.9/38

dit_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 528.653+/-308.820 χ^2/NDF:40.8/21

Right Out: 108.614+/-485.552 χ^2/NDF: 14.9/18

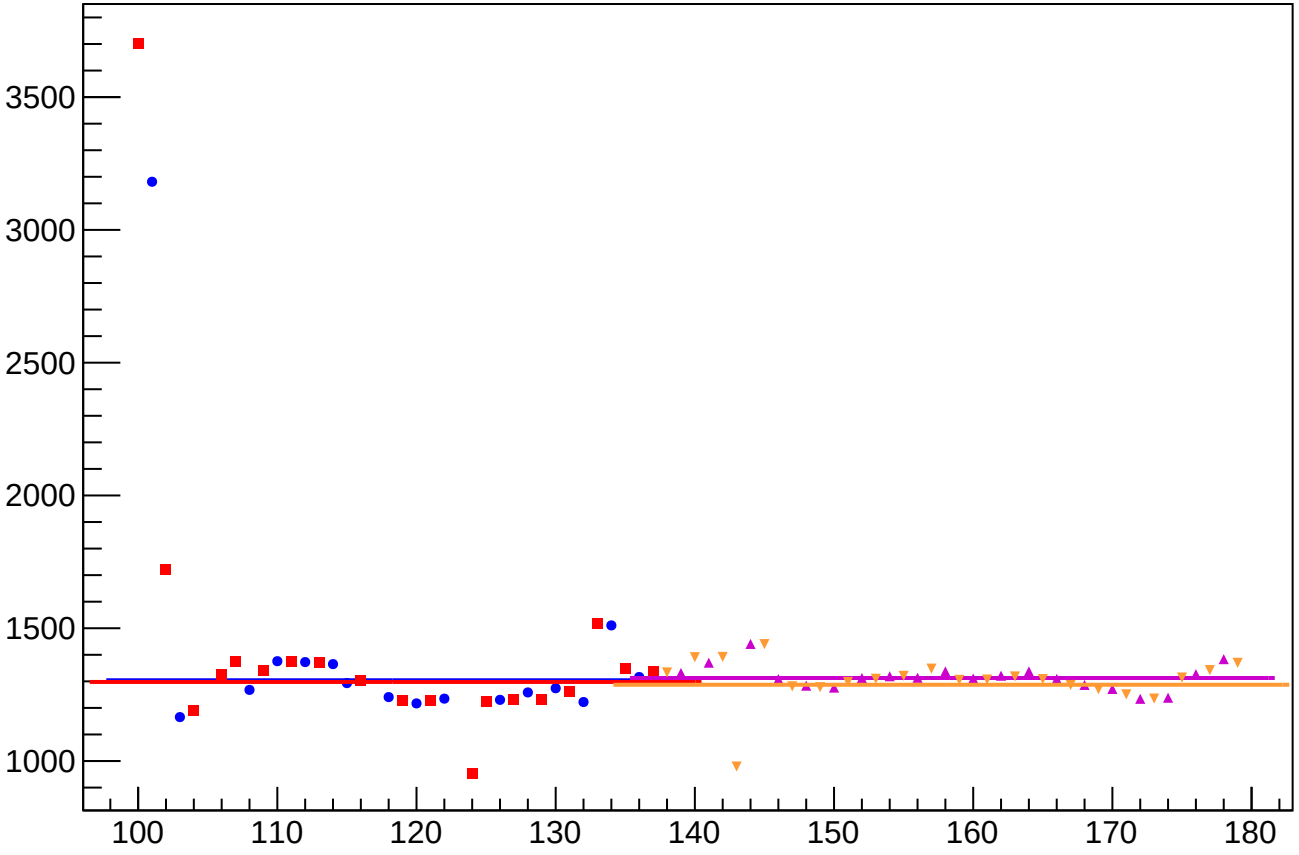
Left In: 599.425+/-324.930 χ^2/NDF:16.2/19

+ sign 209.480+/-261.889 χ^2/NDF: 58.7/37

All: 324.898+/-188.000 χ^2/NDF: 90.8/76

- sign 447.614+/-270.042 χ^2/NDF: 31.7/38

dit_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1287.223+/-0.218 χ^2/NDF:216809.4/21

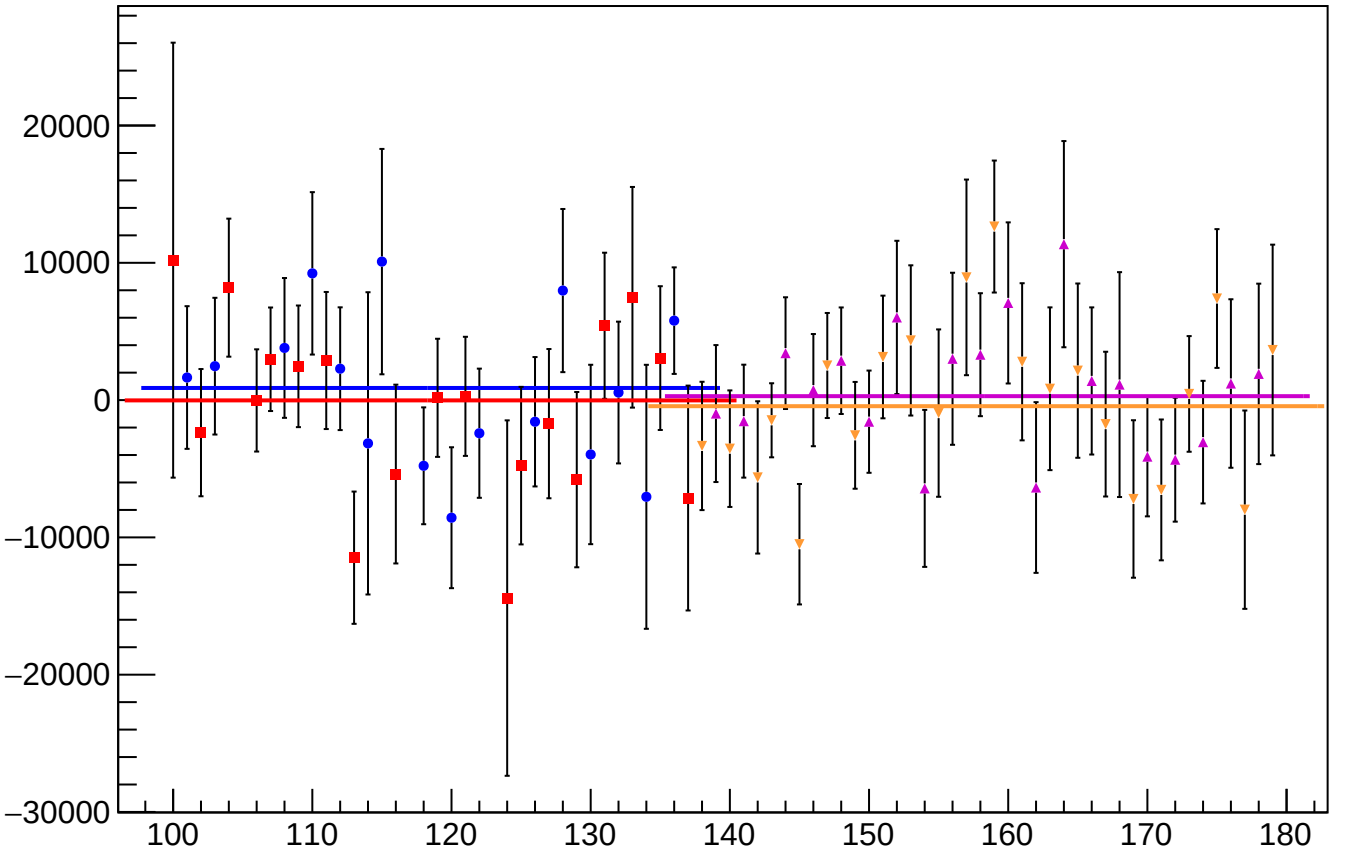
Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1312.637+/-0.230 χ^2/NDF:40645.3/19

+ sign 1291.964+/-0.185 χ^2/NDF: 729076.8/37

All: 1299.758+/-0.133 χ^2/NDF: 987765.2/76

- sign 1308.042+/-0.191 χ^2/NDF: 255034.0/38



Right In: 884.058+/-1327.399 χ^2/NDF: 14.1/15

Left Out: -443.270+/-1025.523 χ^2/NDF:25.9/21

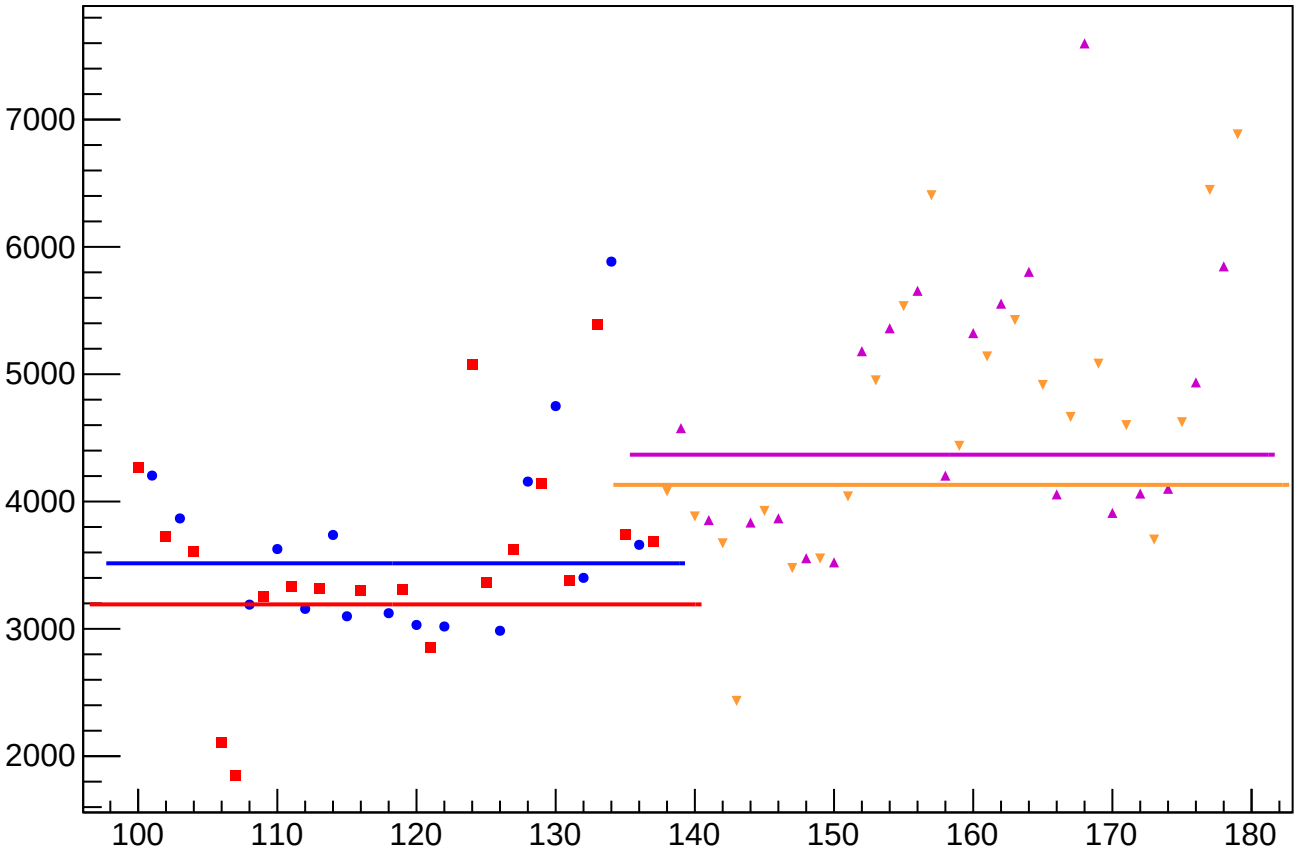
Right Out: -20.681+/-1200.015 χ^2/NDF: 16.8/18

Left In: 287.074+/-1104.132 χ^2/NDF:12.1/19

\+ sign 52.858+/-811.538 χ^2/NDF: 40.6/37

All: 99.363+/-574.193 χ^2/NDF: 69.6/76

\- sign 145.981+/-812.525 χ^2/NDF: 28.9/38



Right In: 3514.746+/-0.939 χ^2/NDF: 375078.6/15

Left Out: 4131.052+/-0.725 χ^2/NDF:2065853.5/21

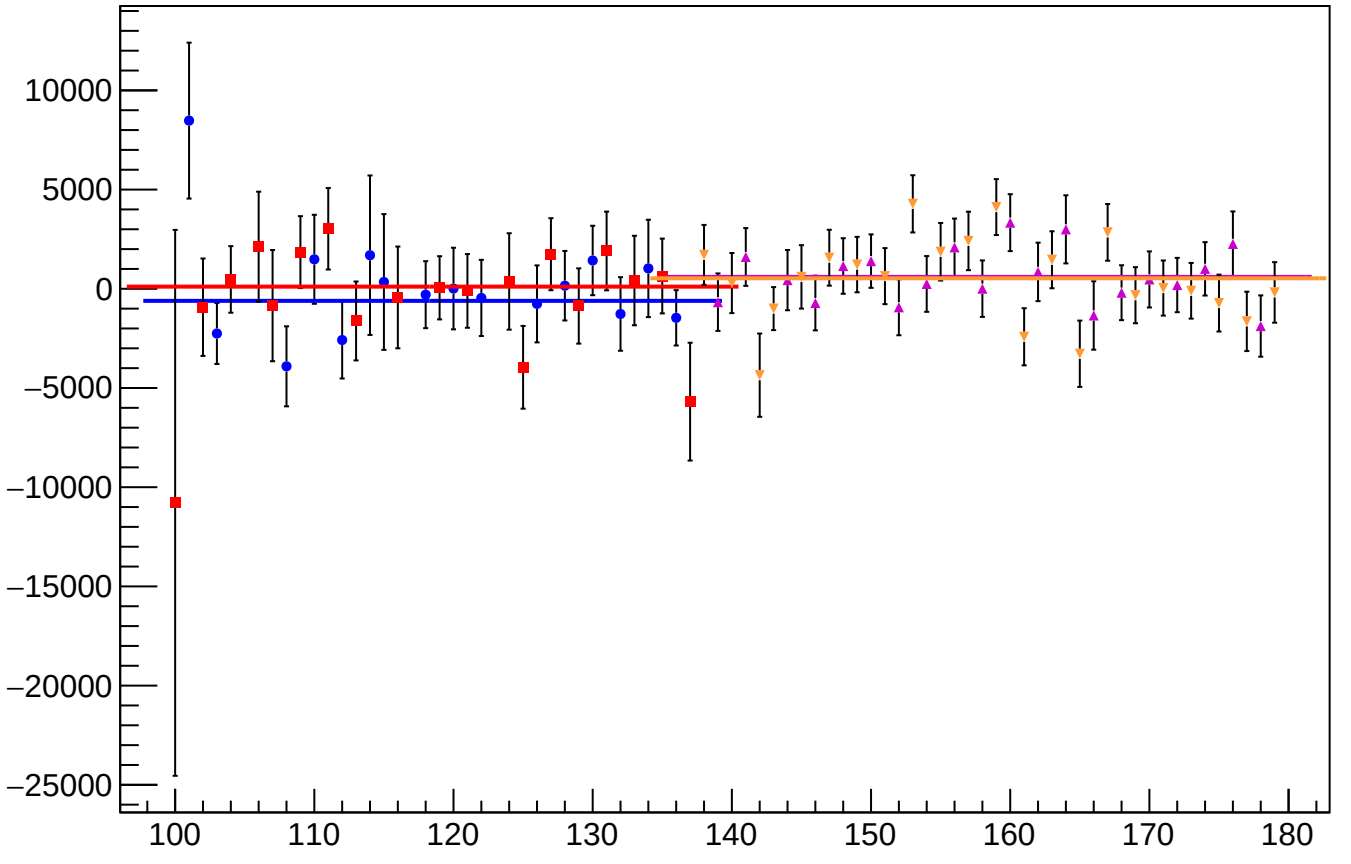
Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 4367.880+/-0.781 χ^2/NDF:1153249.4/19

+ sign 3900.689+/-0.574 χ^2/NDF: 2710921.9/37

All: 3864.828+/-0.406 χ^2/NDF: 5684080.6/76

- sign 3828.880+/-0.575 χ^2/NDF: 2965338.6/38



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 528.656+/-308.821 χ^2/NDF:40.8/21

Right Out: 108.619+/-485.553 χ^2/NDF: 14.9/18

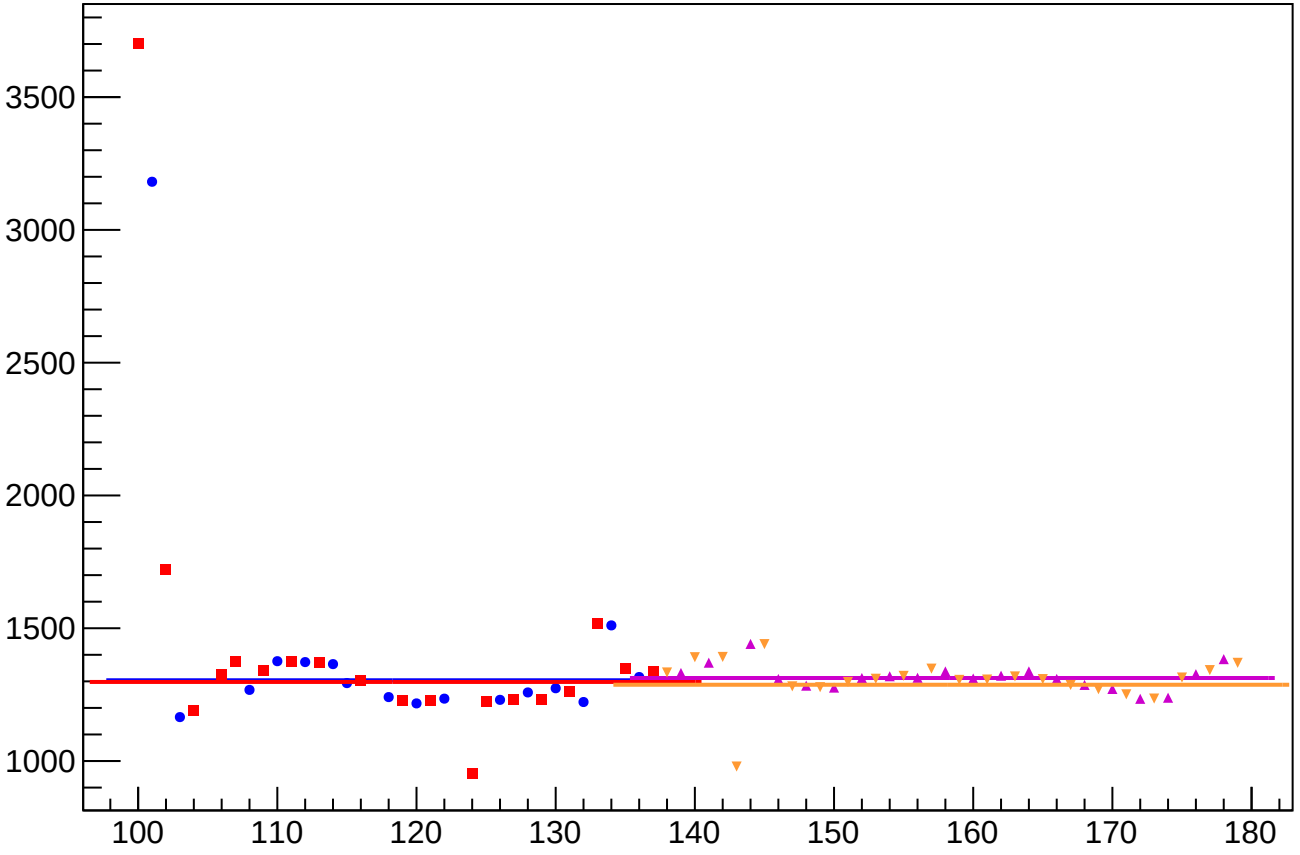
Left In: 599.428+/-324.930 χ^2/NDF:16.2/19

\+ sign 209.481+/-261.890 χ^2/NDF: 58.7/37

All: 324.900+/-188.000 χ^2/NDF: 90.8/76

\- sign 447.616+/-270.042 χ^2/NDF: 31.7/38

eigen_dit_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.6/15

Left Out: 1287.224+/-0.218 χ^2/NDF:216812.0/21

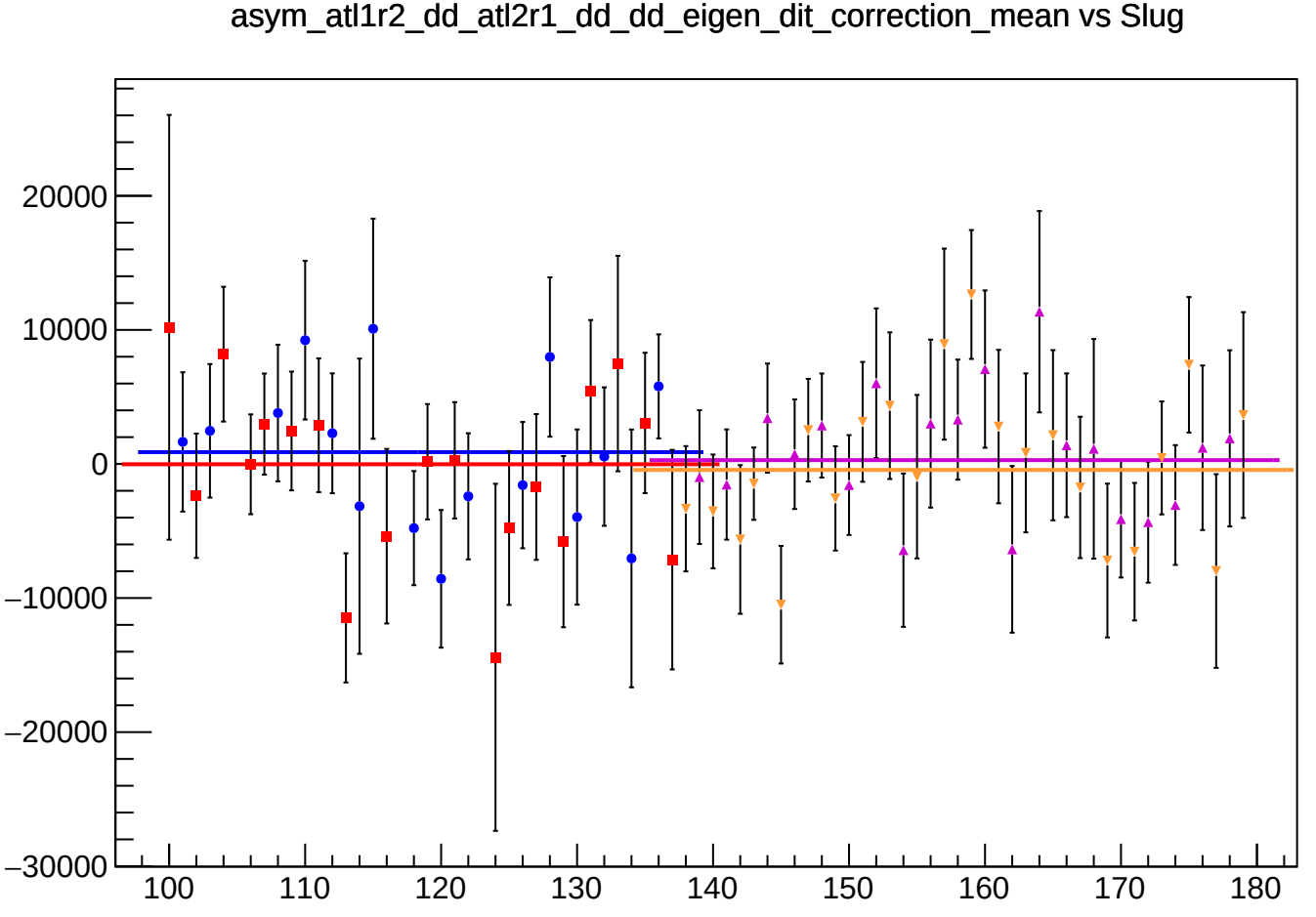
Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1312.638+/-0.230 χ^2/NDF:40647.2/19

+ sign 1291.964+/-0.185 χ^2/NDF: 729079.3/37

All: 1299.759+/-0.133 χ^2/NDF: 987769.9/76

- sign 1308.042+/-0.191 χ^2/NDF: 255036.2/38



Right In: 884.047+/-1327.396 χ^2/NDF: 14.1/15

Left Out: -443.268+/-1025.525 χ^2/NDF:25.9/21

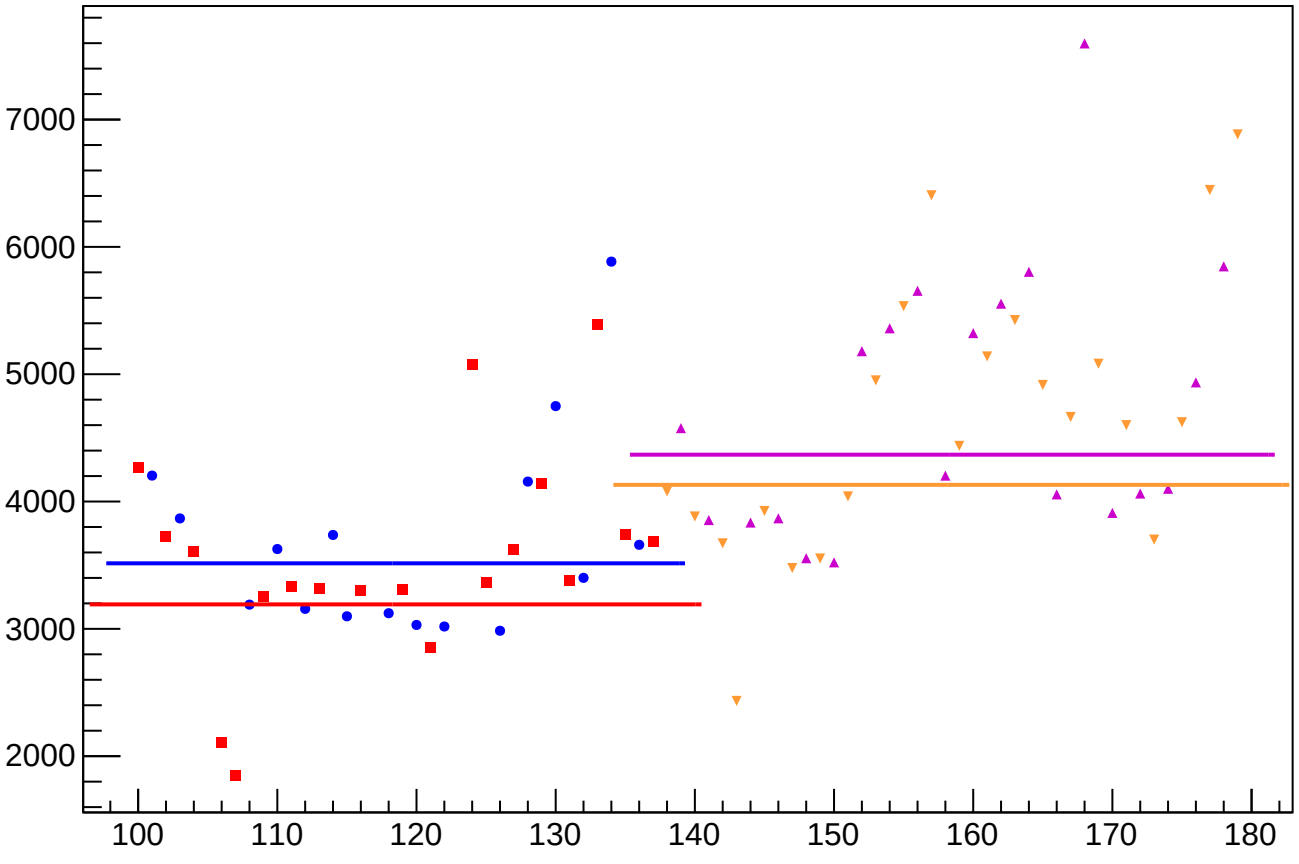
Right Out: -20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: 287.074+/-1104.134 χ^2/NDF:12.1/19

+ sign 52.858+/-811.539 χ^2/NDF: 40.6/37

All: 99.363+/-574.193 χ^2/NDF: 69.6/76

- sign 145.982+/-812.525 χ^2/NDF: 28.9/38



Right In: 3514.737+/-0.939 χ^2/NDF: 375082.8/15

Left Out: 4131.058+/-0.725 χ^2/NDF:2065856.5/21

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

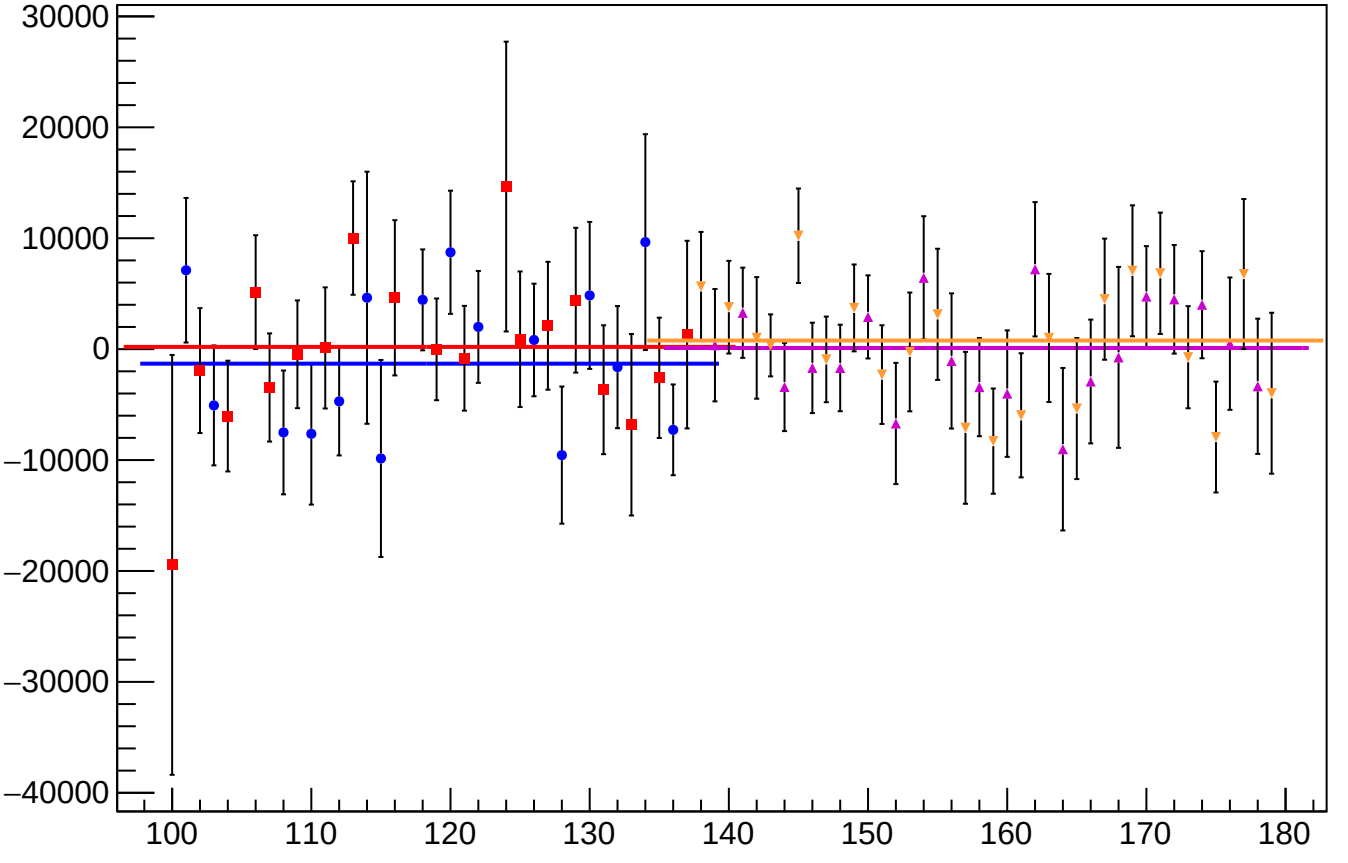
Left In: 4367.886+/-0.781 χ^2/NDF:1153252.5/19

+ sign 3900.689+/-0.574 χ^2/NDF: 2710943.4/37

All: 3864.827+/-0.406 χ^2/NDF: 5684134.5/76

- sign 3828.878+/-0.575 χ^2/NDF: 2965370.6/38

asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 776.117+/-1032.808 χ^2/NDF:22.4/21

Right Out: 201.593+/-1336.062 χ^2/NDF: 11.6/18

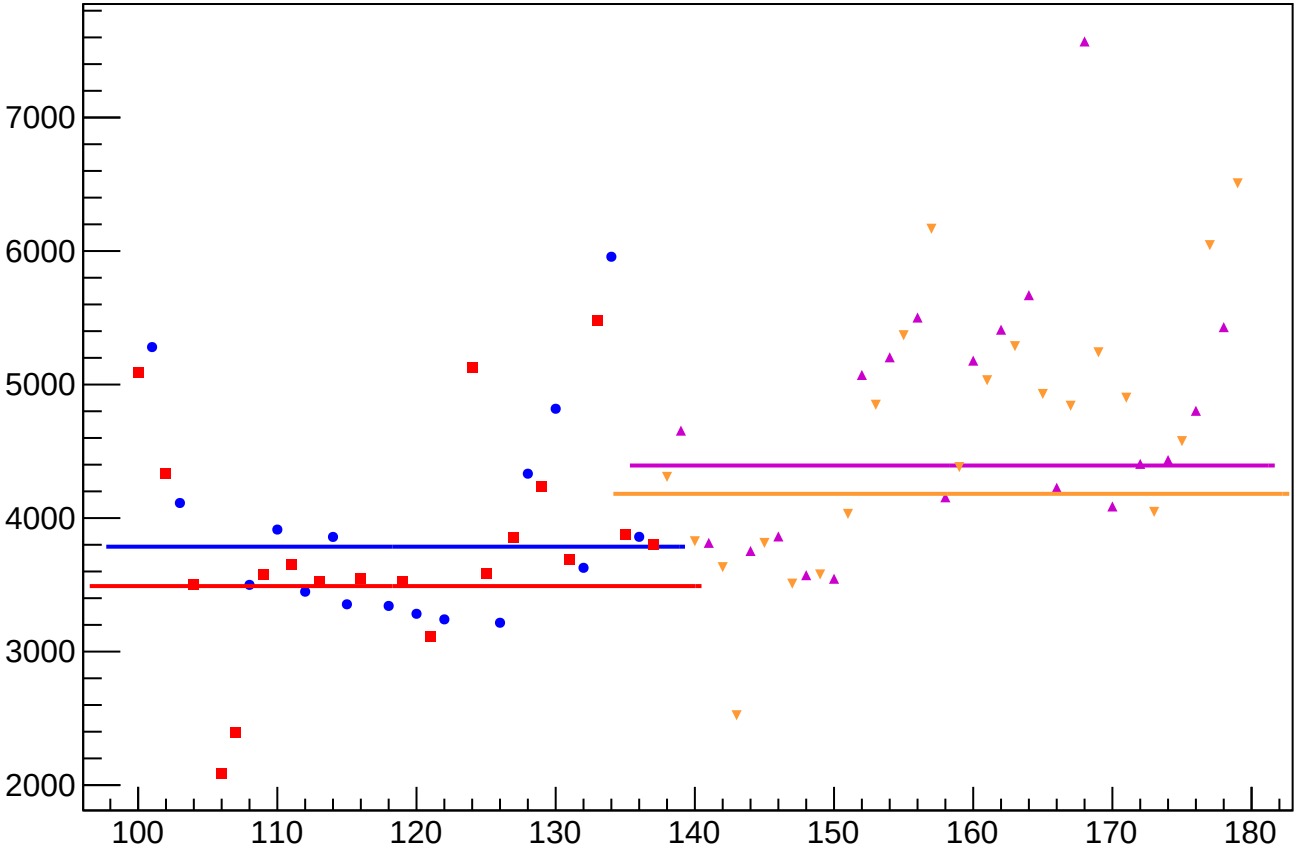
Left In: 102.716+/-1107.223 χ^2/NDF:12.5/19

+ sign 62.260+/-837.593 χ^2/NDF: 41.4/37

All: 101.904+/-597.476 χ^2/NDF: 65.5/76

- sign 142.974+/-852.523 χ^2/NDF: 24.1/38

asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 4181.612+/-0.730 χ^2/NDF:1795572.8/21

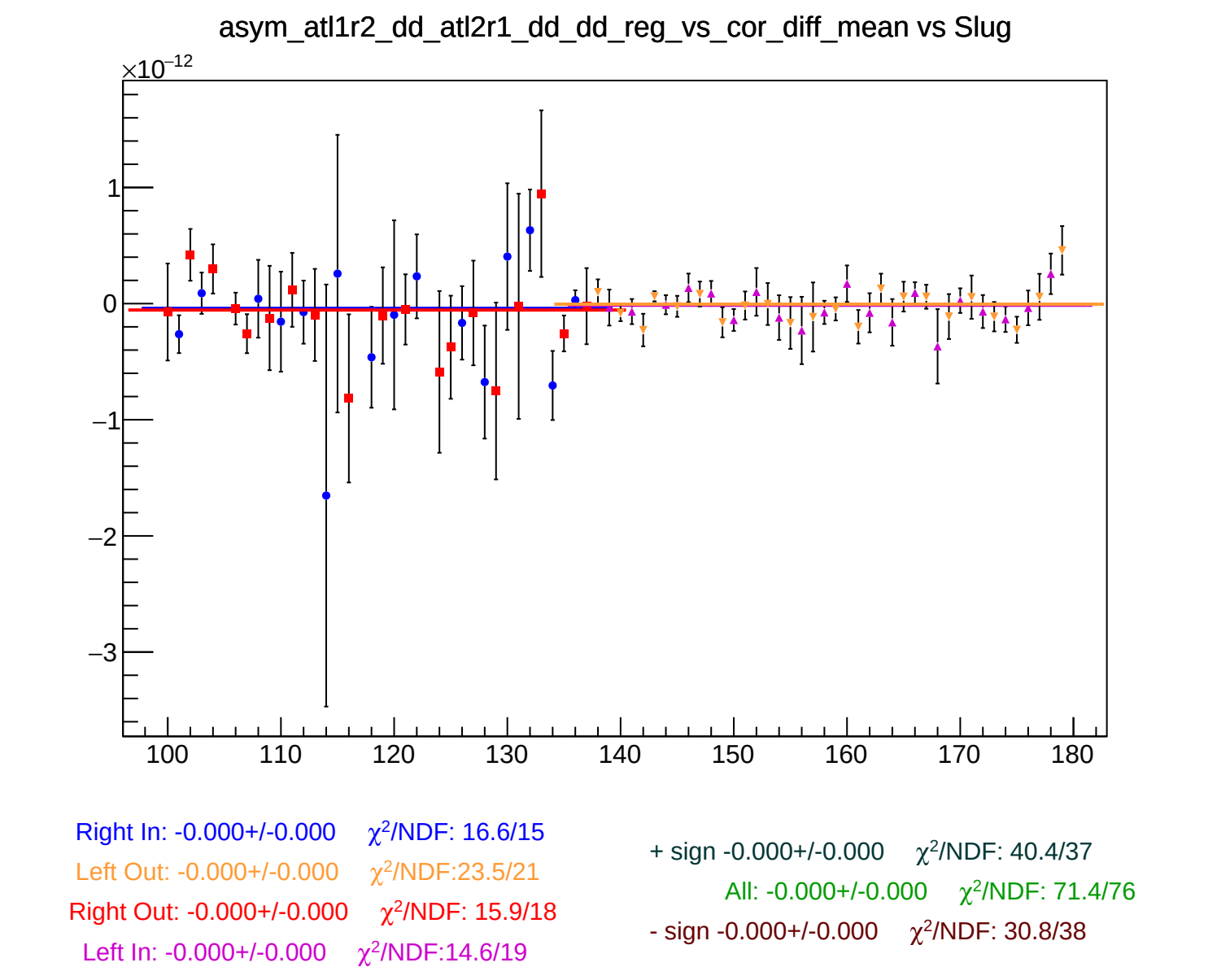
Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

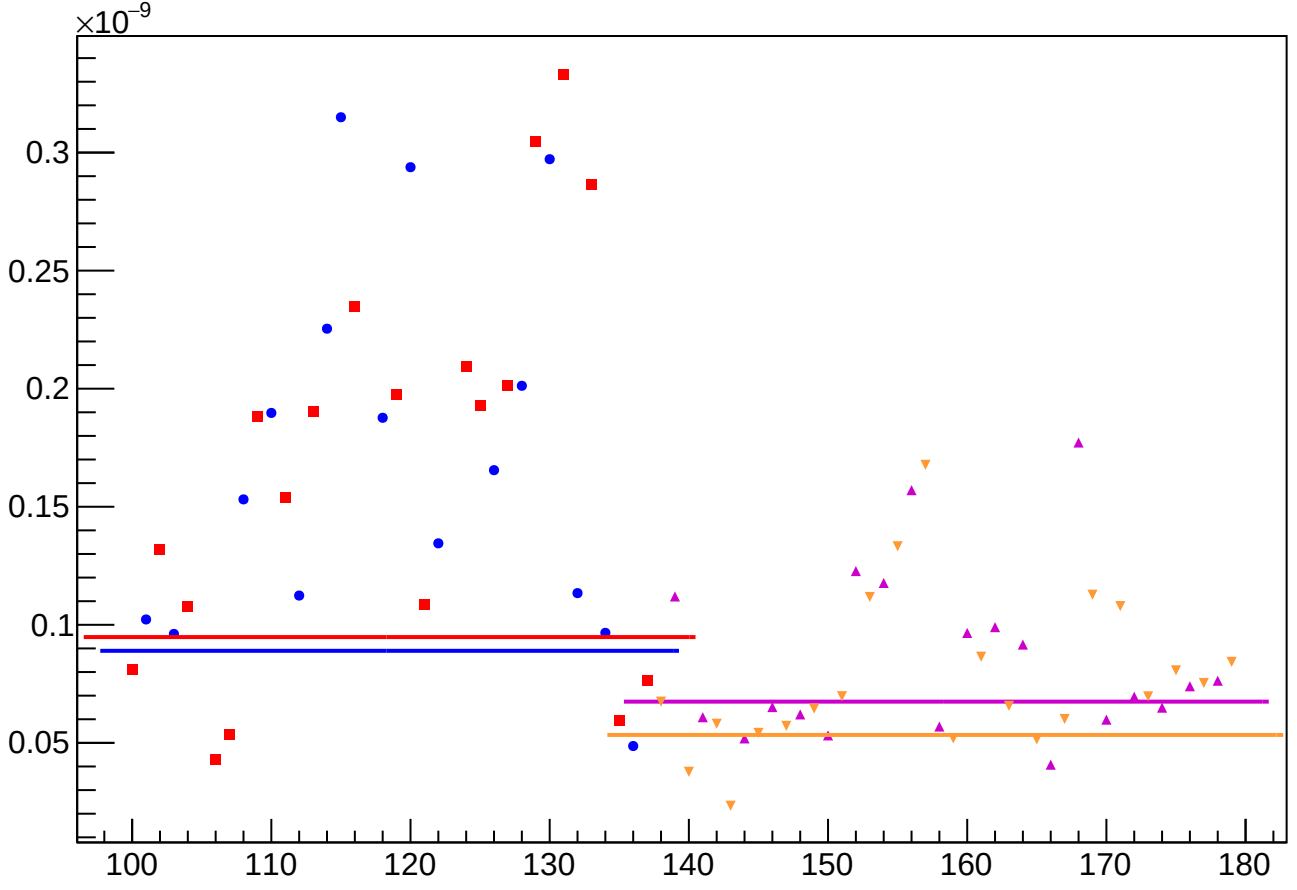
Left In: 4393.657+/-0.783 χ^2/NDF:1004815.9/19

\+ sign 4046.115+/-0.592 χ^2/NDF: 2279129.2/37

All: 4033.205+/-0.421 χ^2/NDF: 4422131.6/76

\- sign 4019.981+/-0.599 χ^2/NDF: 2142040.7/38


asym_atl1r2_dd_atl2r1_dd_dd_reg_vs_cor_diff_mean vs Slug
×10^−12
1
0
−1
−2
−3
100
110
120
130
140
150
160
170
180
Right In: -0.000+/-0.000 χ²/NDF: 16.6/15
Left Out: -0.000+/-0.000 χ²/NDF:23.5/21
Right Out: -0.000+/-0.000 χ²/NDF: 15.9/18
Left In: -0.000+/-0.000 χ²/NDF:14.6/19
+ sign -0.000+/-0.000 χ²/NDF: 40.4/37
All: -0.000+/-0.000 χ²/NDF: 71.4/76
- sign -0.000+/-0.000 χ²/NDF: 30.8/38



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:2592157.7/21

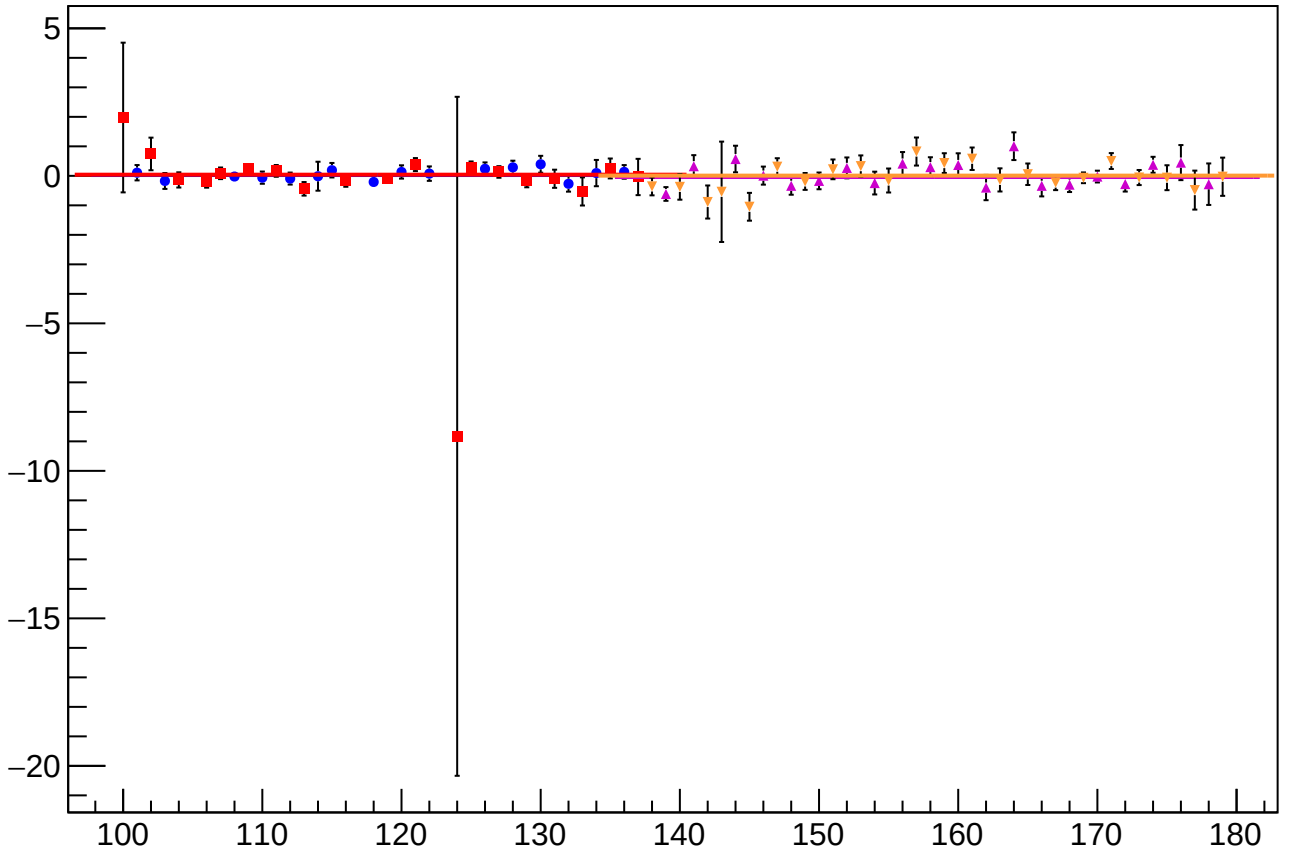
Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1385441.0/19

+ sign 0.000+/-0.000 χ^2/NDF: 4684290.4/37

All: 0.000+/-0.000 χ^2/NDF: 8445239.7/76

- sign 0.000+/-0.000 χ^2/NDF: 3424991.4/38



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.007+/-0.072 χ^2/NDF:24.8/21

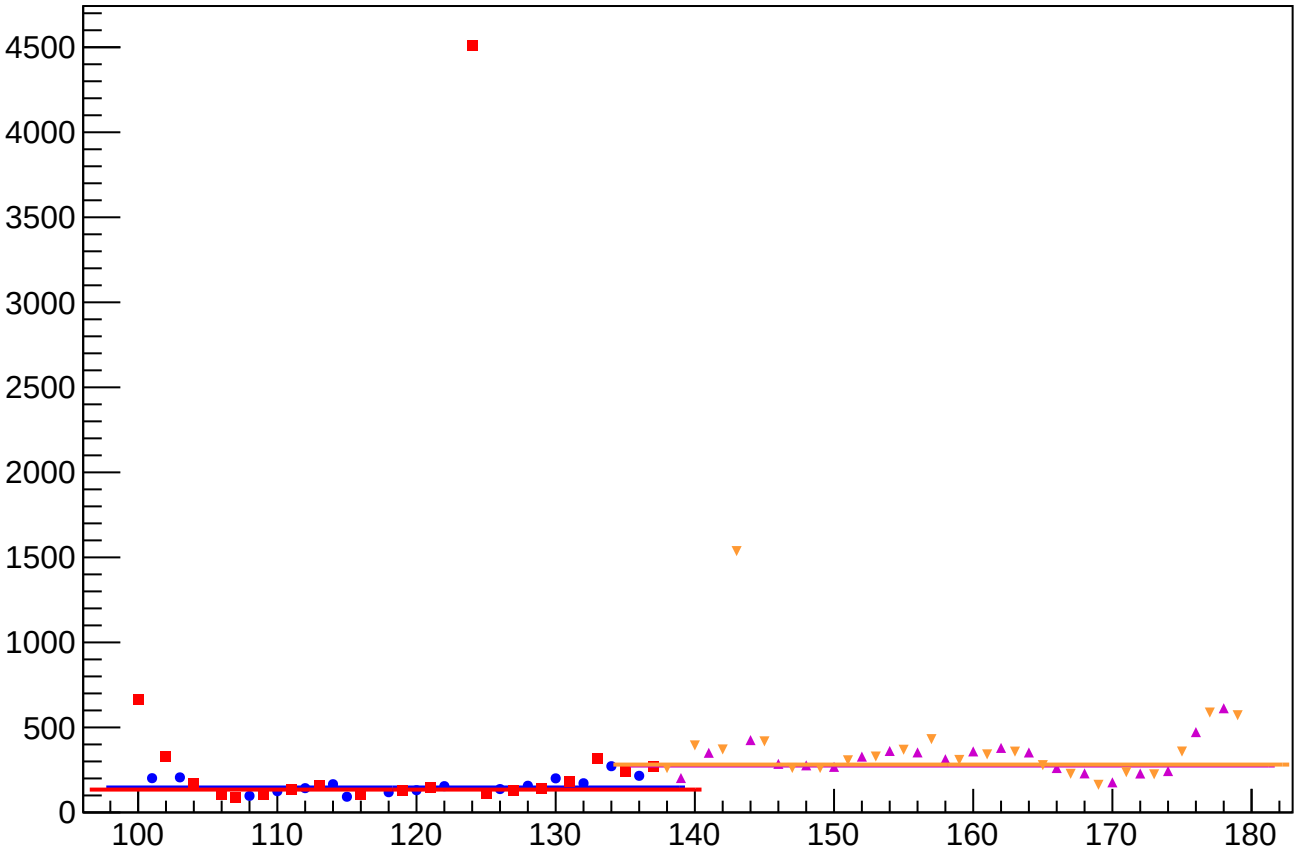
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.040+/-0.072 χ^2/NDF:26.0/19

+ sign 0.020+/-0.045 χ^2/NDF: 34.3/37

All: 0.015+/-0.031 χ^2/NDF: 81.1/76

- sign 0.010+/-0.044 χ^2/NDF: 46.7/38



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 281.543+/-0.051 χ^2/NDF:3942972.6/21

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

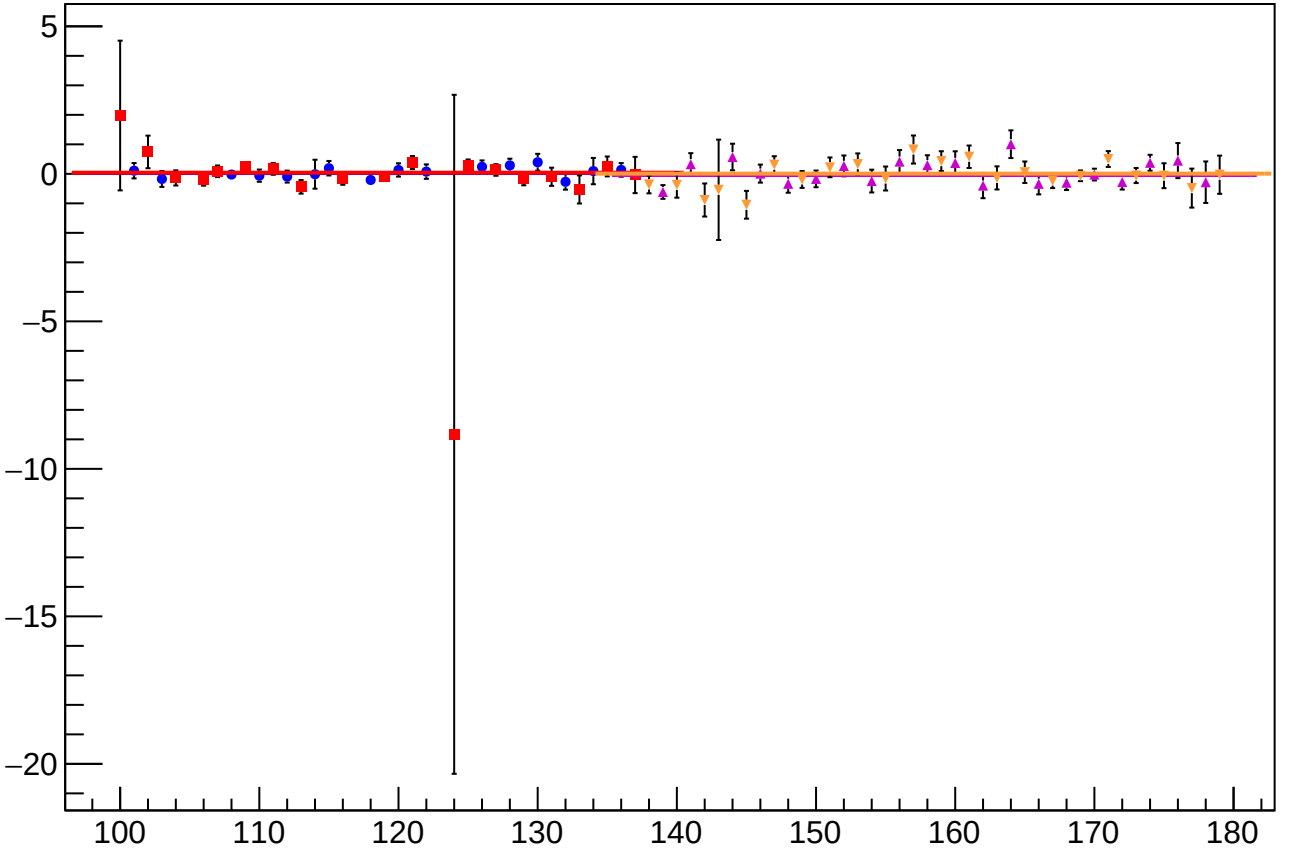
Left In: 275.800+/-0.051 χ^2/NDF:2341639.7/19

+ sign 199.072+/-0.032 χ^2/NDF: 9169200.3/37

All: 192.529+/-0.022 χ^2/NDF: 18088957.6/76

- sign 186.436+/-0.031 χ^2/NDF: 8838626.9/38

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.007+/-0.072 χ^2/NDF:24.8/21

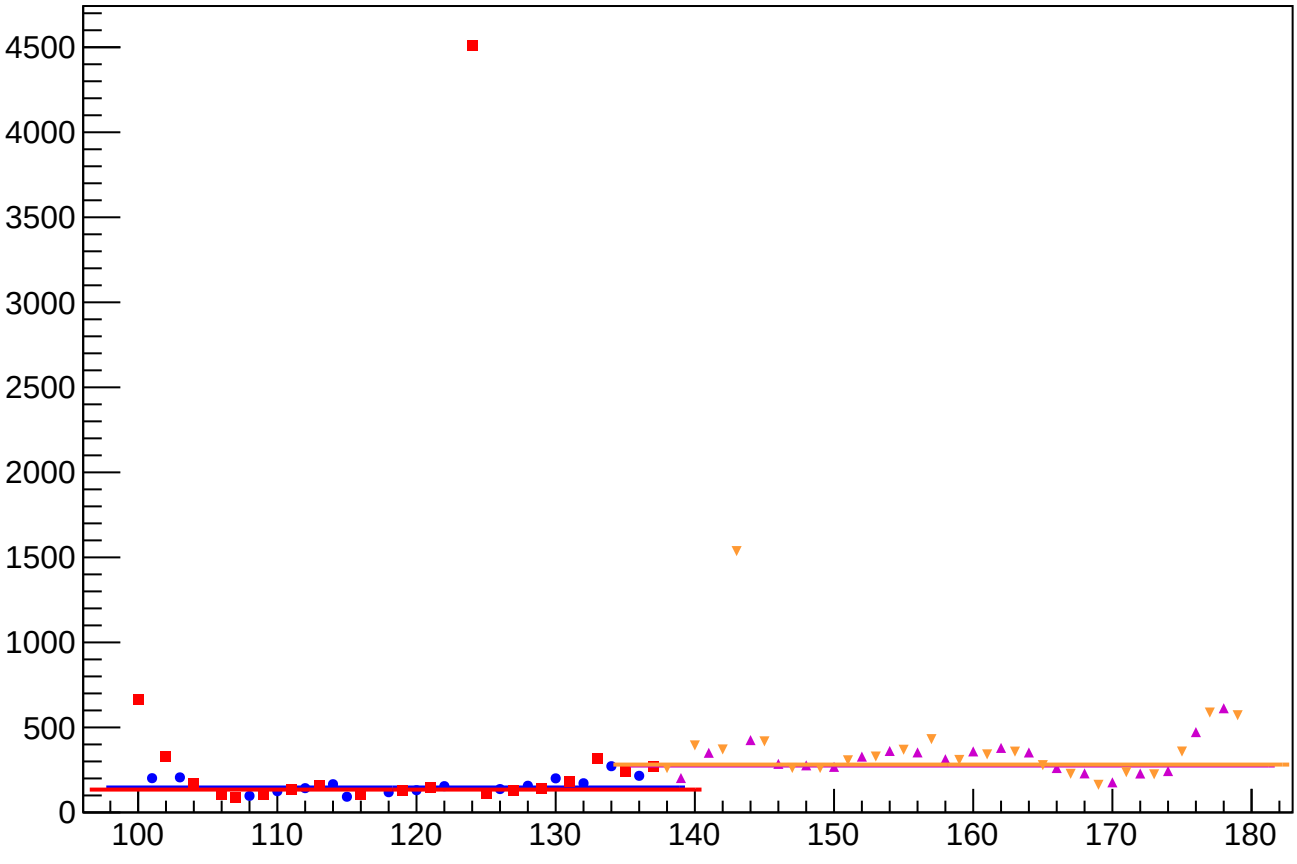
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.040+/-0.072 χ^2/NDF:26.0/19

+ sign 0.020+/-0.045 χ^2/NDF: 34.3/37

All: 0.015+/-0.031 χ^2/NDF: 81.1/76

- sign 0.010+/-0.044 χ^2/NDF: 46.7/38



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 281.543+/-0.051 χ^2/NDF:3942972.6/21

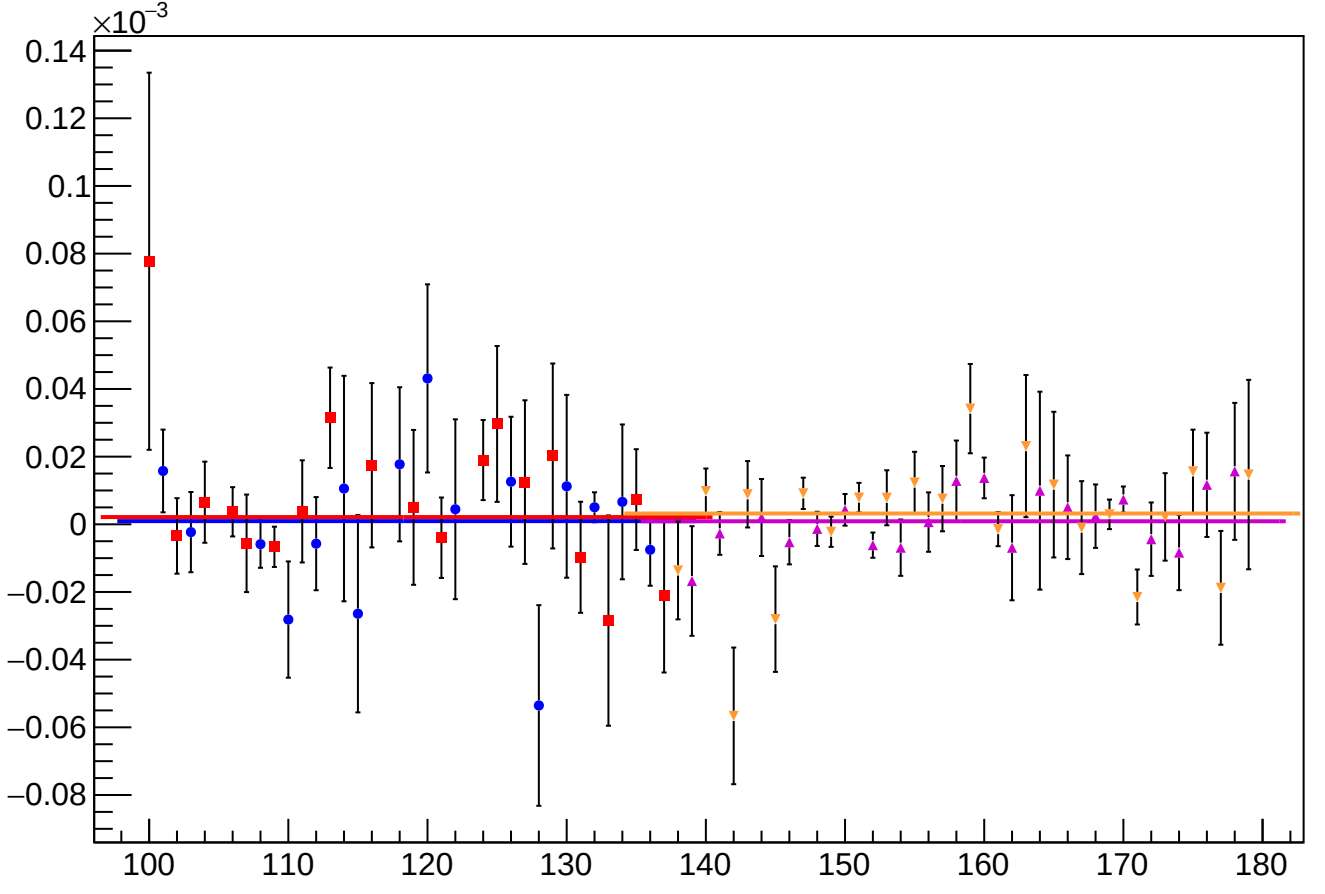
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 275.800+/-0.051 χ^2/NDF:2341639.7/19

+ sign 199.072+/-0.032 χ^2/NDF: 9169200.3/37

All: 192.529+/-0.022 χ^2/NDF: 18088957.6/76

- sign 186.436+/-0.031 χ^2/NDF: 8838626.9/38



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:40.9/21

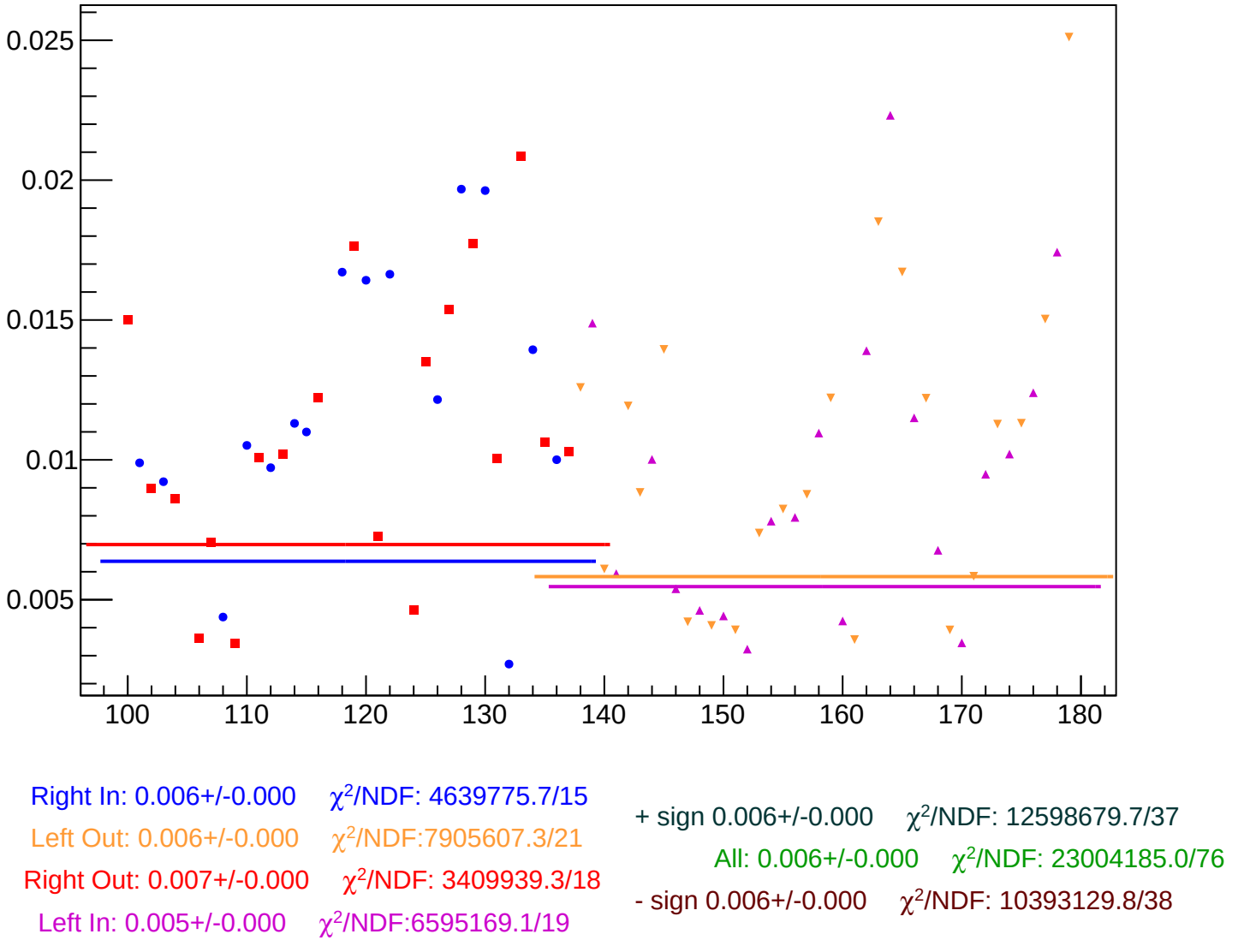
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

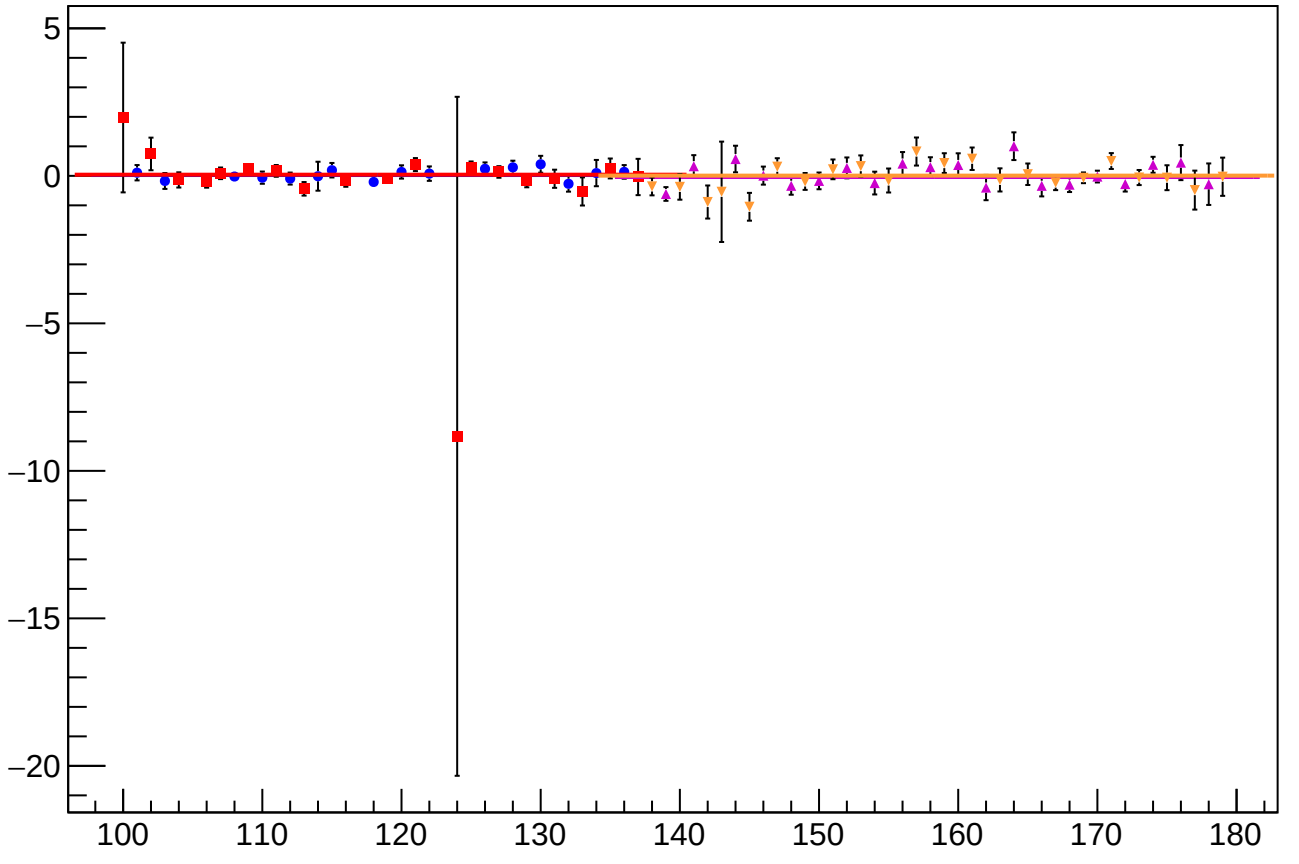
Left In: 0.000+/-0.000 χ^2/NDF:18.3/19

+ sign 0.000+/-0.000 χ^2/NDF: 56.2/37

All: 0.000+/-0.000 χ^2/NDF: 91.3/76

- sign 0.000+/-0.000 χ^2/NDF: 34.5/38


asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.025
0.02
0.015
0.01
0.005
100
110
120
130
140
150
160
170
180
Right In: 0.006+/-0.000 χ²/NDF: 4639775.7/15
Left Out: 0.006+/-0.000 χ²/NDF:7905607.3/21
Right Out: 0.007+/-0.000 χ²/NDF: 3409939.3/18
Left In: 0.005+/-0.000 χ²/NDF:6595169.1/19
+ sign 0.006+/-0.000 χ²/NDF: 12598679.7/37
All: 0.006+/-0.000 χ²/NDF: 23004185.0/76
- sign 0.006+/-0.000 χ²/NDF: 10393129.8/38



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.007+/-0.072 χ^2/NDF:24.8/21

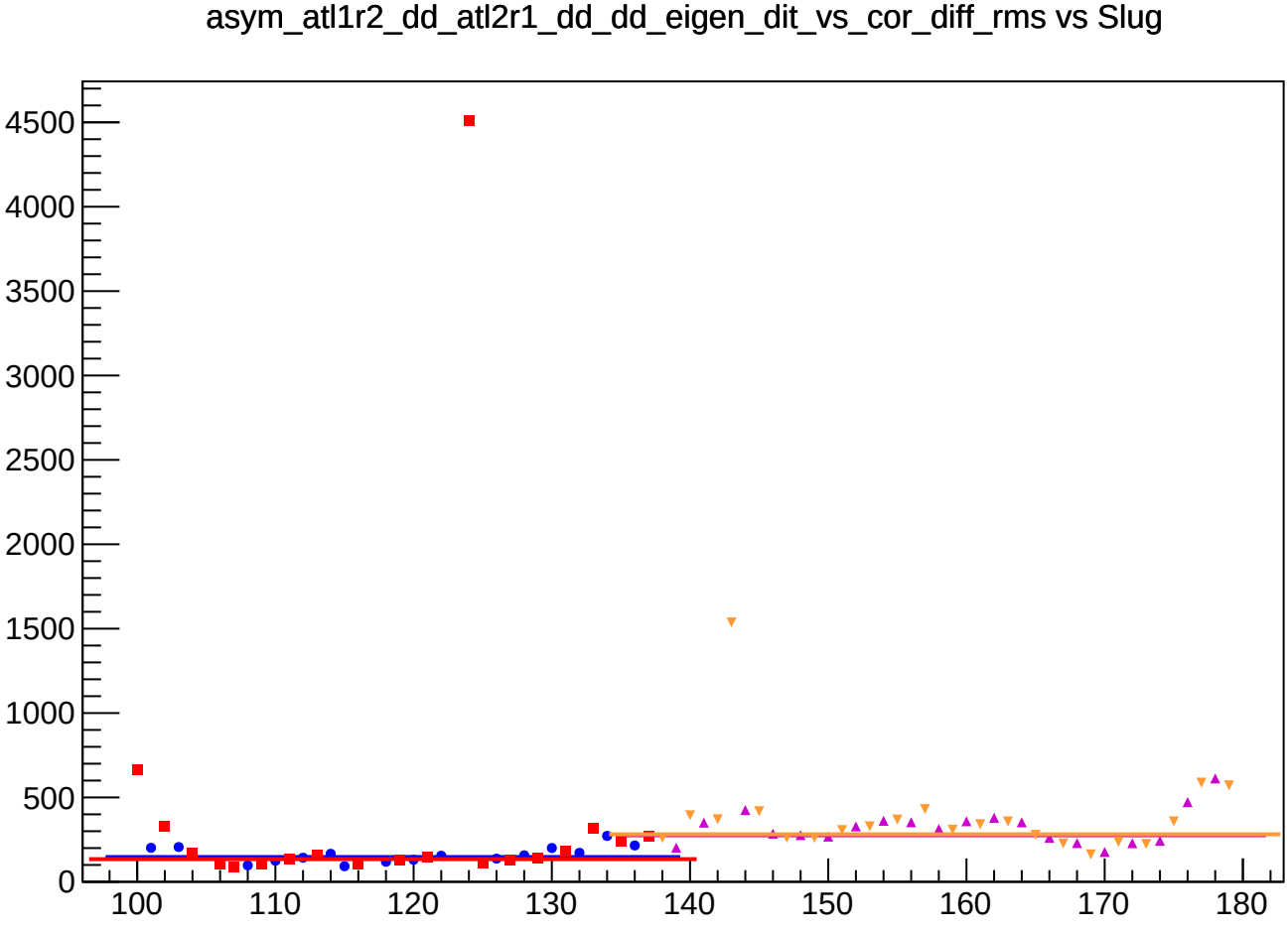
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.040+/-0.072 χ^2/NDF:26.0/19

+ sign 0.020+/-0.045 χ^2/NDF: 34.3/37

All: 0.015+/-0.031 χ^2/NDF: 81.1/76

- sign 0.010+/-0.044 χ^2/NDF: 46.7/38



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 281.543+/-0.051 χ^2/NDF:3943153.6/21

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

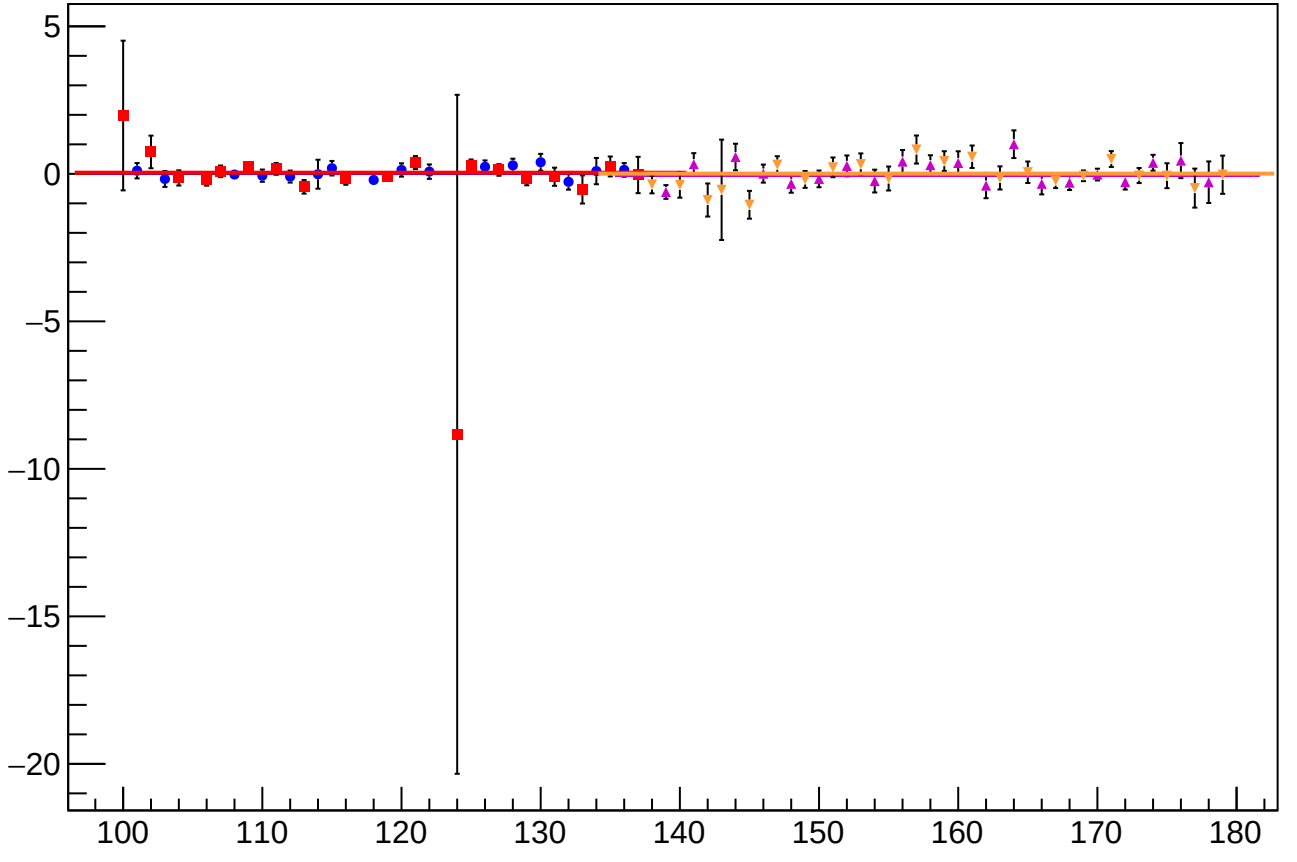
Left In: 275.802+/-0.051 χ^2/NDF:2341728.8/19

+ sign 199.072+/-0.032 χ^2/NDF: 9169320.6/37

All: 192.529+/-0.022 χ^2/NDF: 18089017.8/76

- sign 186.438+/-0.031 χ^2/NDF: 8838588.6/38

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.007+/-0.072 χ^2/NDF:24.8/21

Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

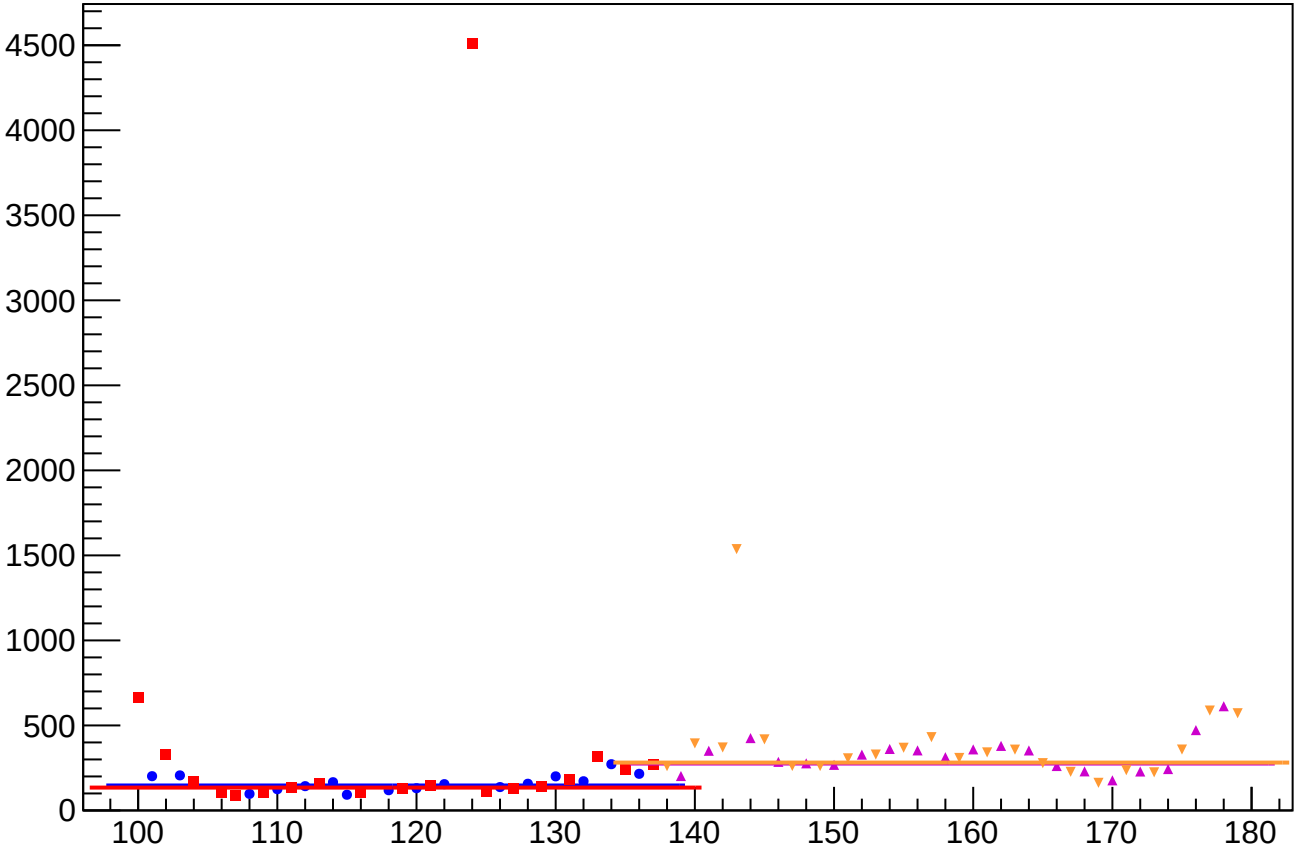
Left In: -0.040+/-0.072 χ^2/NDF:26.0/19

+ sign 0.020+/-0.045 χ^2/NDF: 34.3/37

All: 0.015+/-0.031 χ^2/NDF: 81.1/76

- sign 0.010+/-0.044 χ^2/NDF: 46.7/38

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 281.543+/-0.051 χ^2/NDF:3943153.6/21

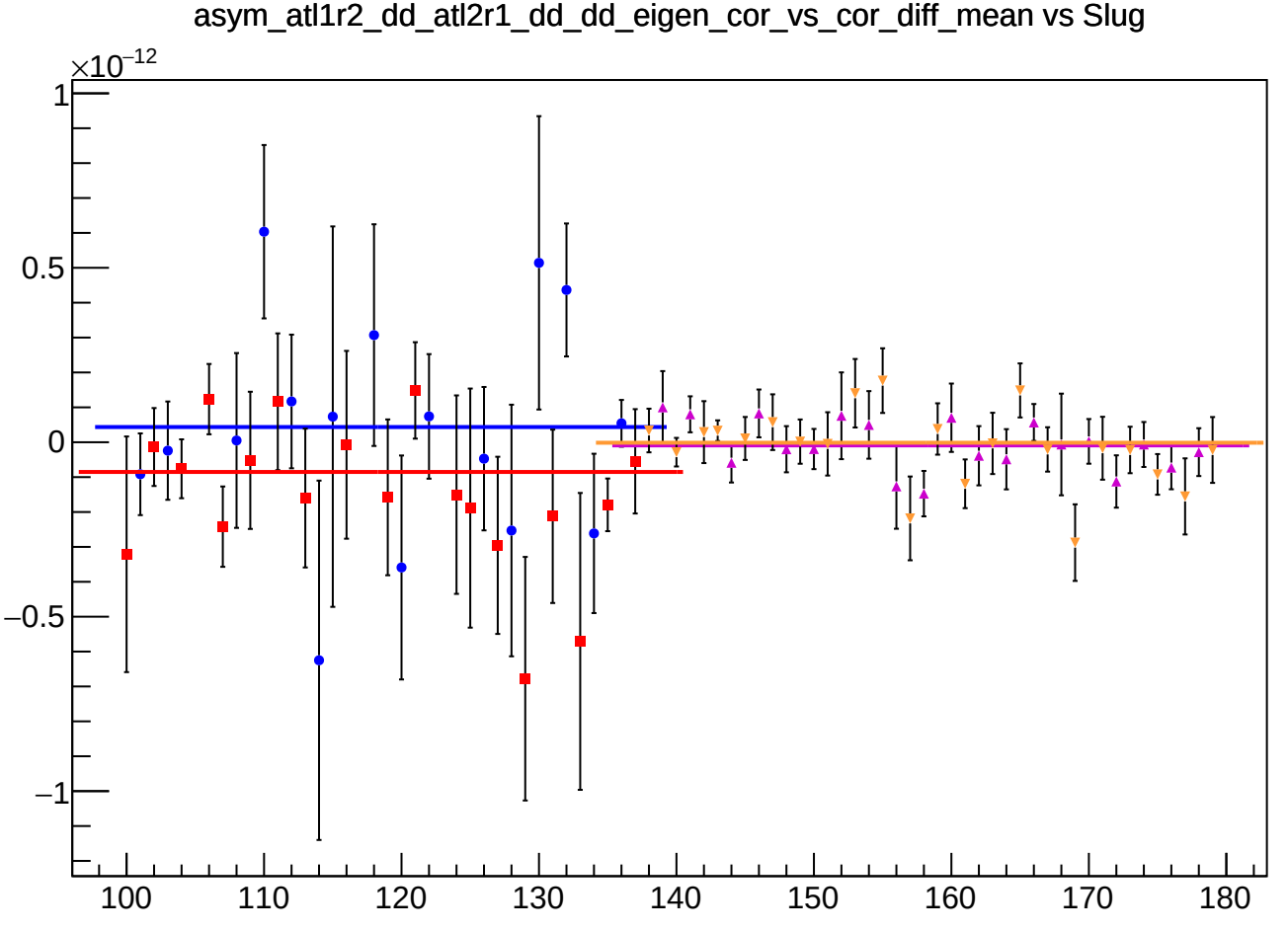
Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 275.802+/-0.051 χ^2/NDF:2341728.8/19

+ sign 199.072+/-0.032 χ^2/NDF: 9169320.6/37

All: 192.529+/-0.022 χ^2/NDF: 18089017.8/76

- sign 186.438+/-0.031 χ^2/NDF: 8838588.6/38



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:30.2/21

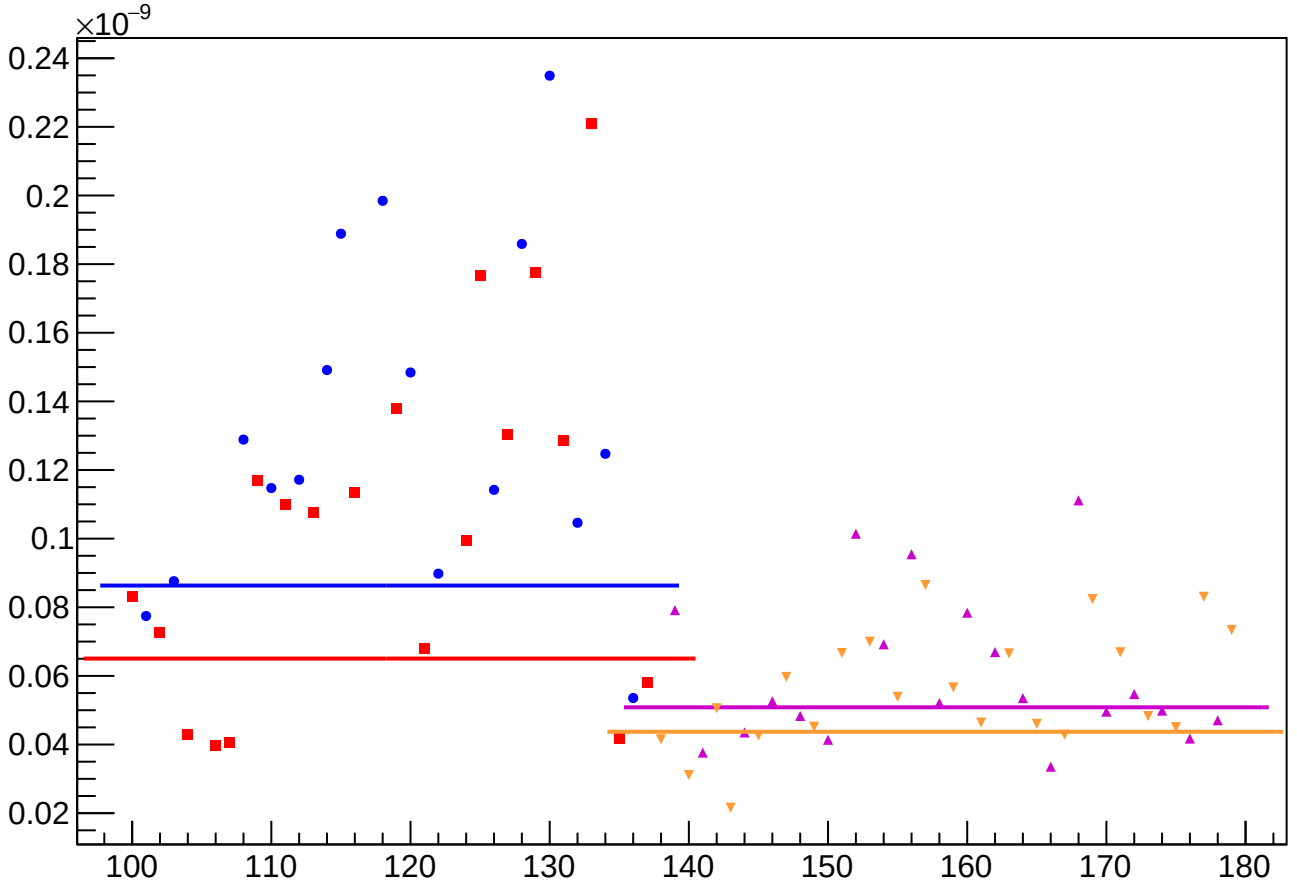
Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:18.6/19

+ sign 0.000+/-0.000 χ^2/NDF: 50.2/37

All: -0.000+/-0.000 χ^2/NDF: 92.7/76

- sign -0.000+/-0.000 χ^2/NDF: 40.9/38



Right In: 0.000+/-0.000 χ^2/NDF: 1565662.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:3001307.6/21

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

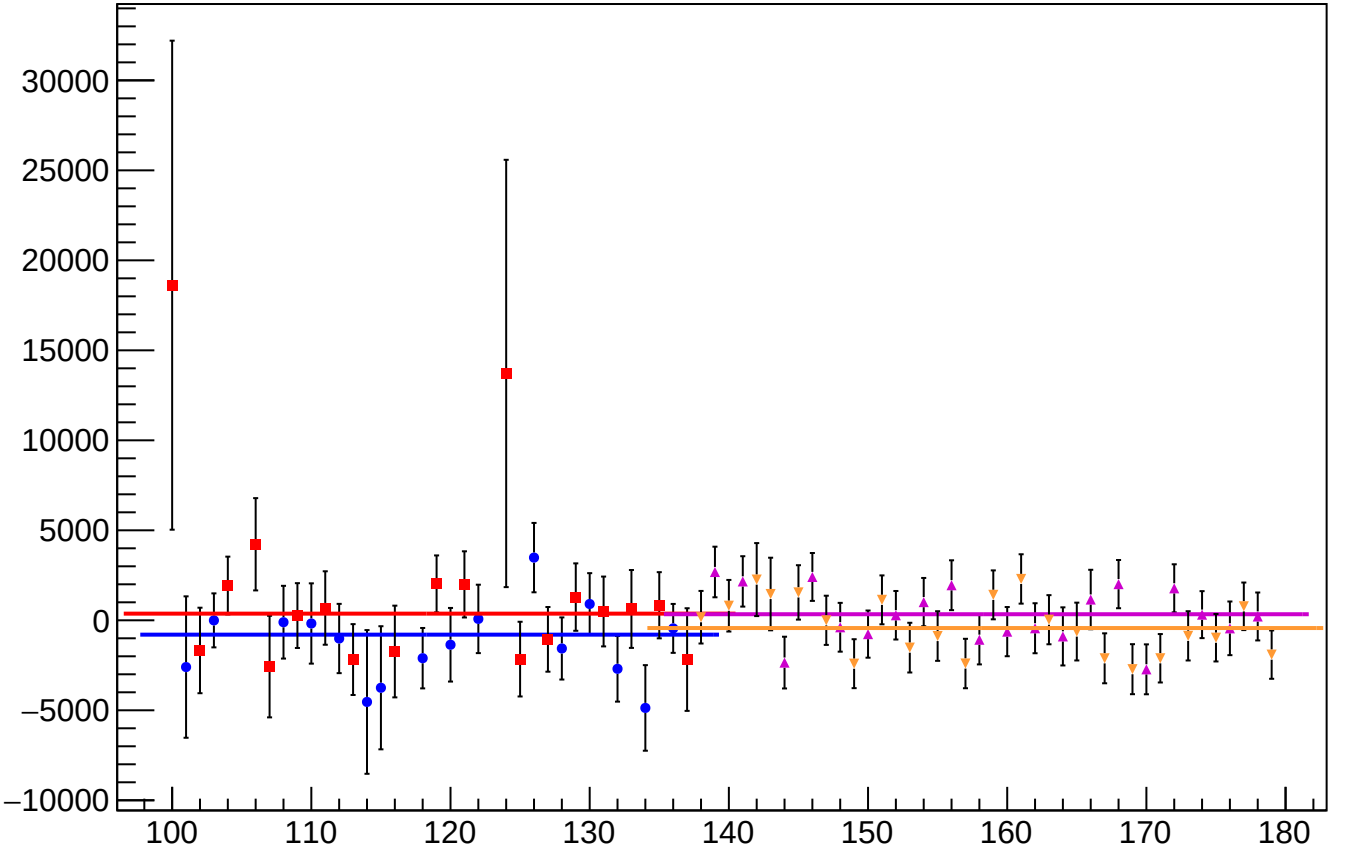
Left In: 0.000+/-0.000 χ^2/NDF:1889080.7/19

+ sign 0.000+/-0.000 χ^2/NDF: 6360486.4/37

All: 0.000+/-0.000 χ^2/NDF: 10847106.3/76

- sign 0.000+/-0.000 χ^2/NDF: 4330615.3/38

reg_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -797.285+/-487.453 χ^2/NDF: 13.4/15

Left Out: -430.217+/-302.828 χ^2/NDF:25.6/21

Right Out: 370.010+/-485.826 χ^2/NDF: 15.6/18

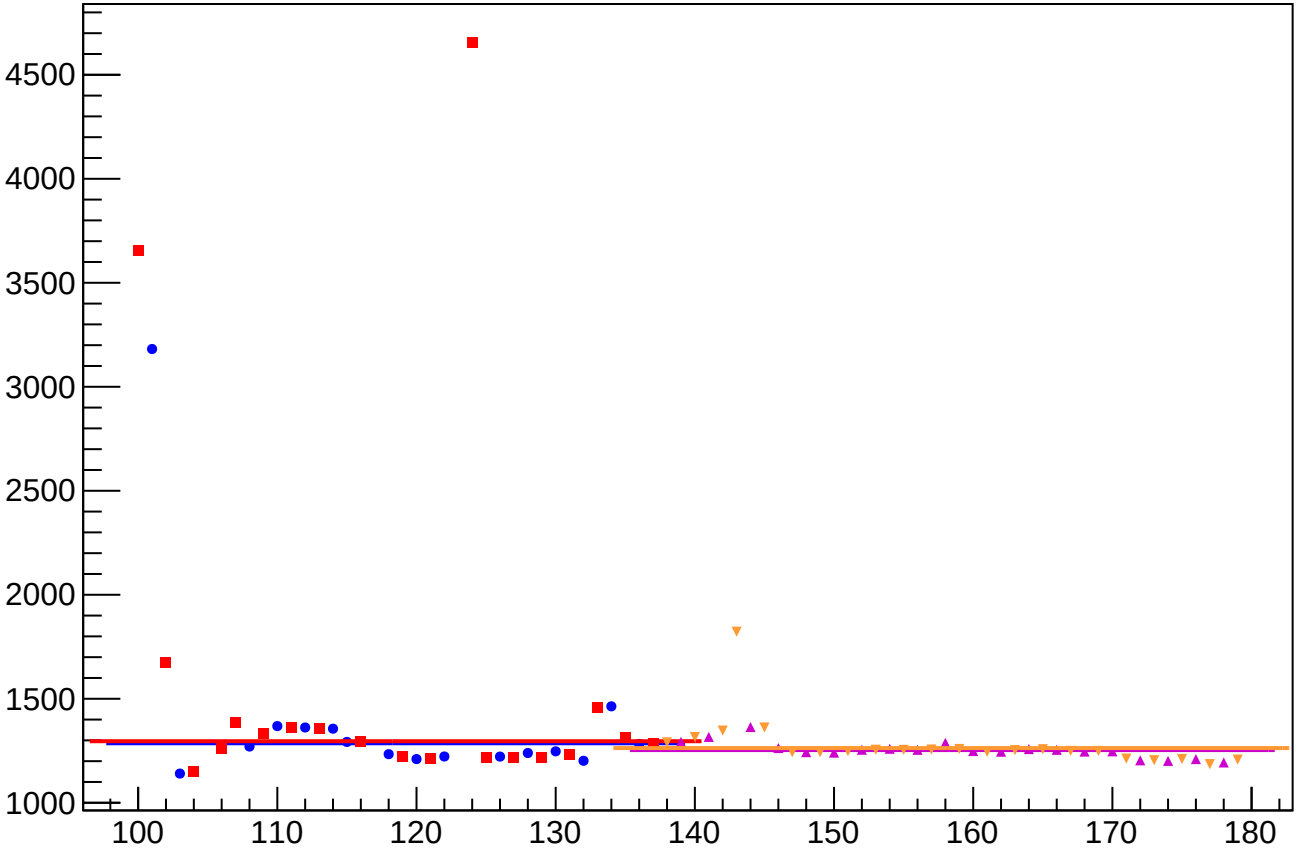
Left In: 337.553+/-310.167 χ^2/NDF:23.6/19

+ sign -532.434+/-257.231 χ^2/NDF: 39.4/37

All: -99.862+/-183.357 χ^2/NDF: 84.4/76

- sign 346.952+/-261.431 χ^2/NDF: 39.2/38

reg_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1286.097+/-0.345 χ^2/NDF: 518126.9/15

Left Out: 1262.975+/-0.214 χ^2/NDF:191424.8/21

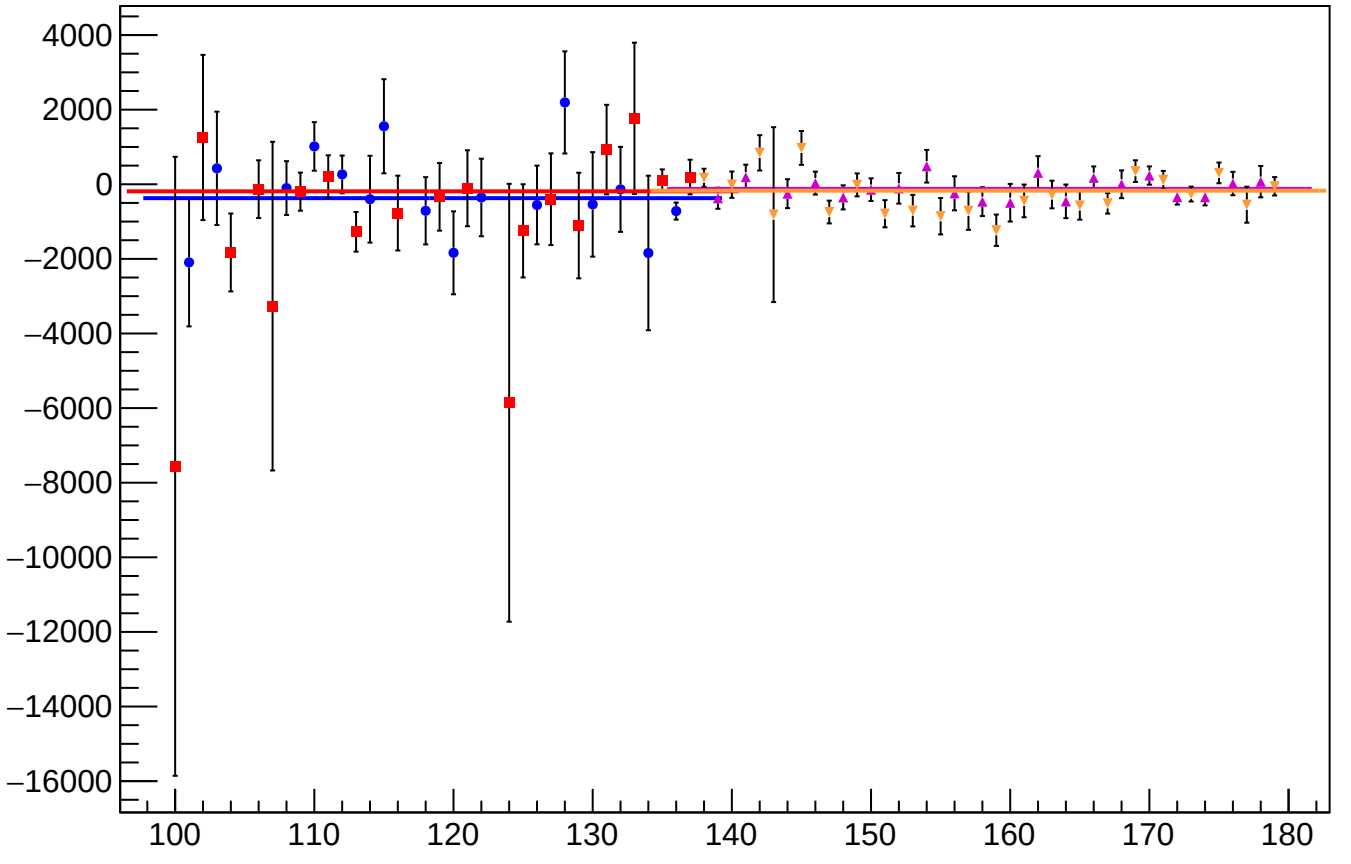
Right Out: 1295.943+/-0.344 χ^2/NDF: 328069.9/18

Left In: 1253.384+/-0.219 χ^2/NDF:31113.9/19

+ sign 1269.414+/-0.182 χ^2/NDF: 712798.5/37

All: 1267.591+/-0.130 χ^2/NDF: 1083090.3/76

- sign 1265.708+/-0.185 χ^2/NDF: 370087.5/38



Right In: -372.325+/-168.204 χ^2/NDF: 18.2/15

Left Out: -171.625+/-70.139 χ^2/NDF:42.8/21

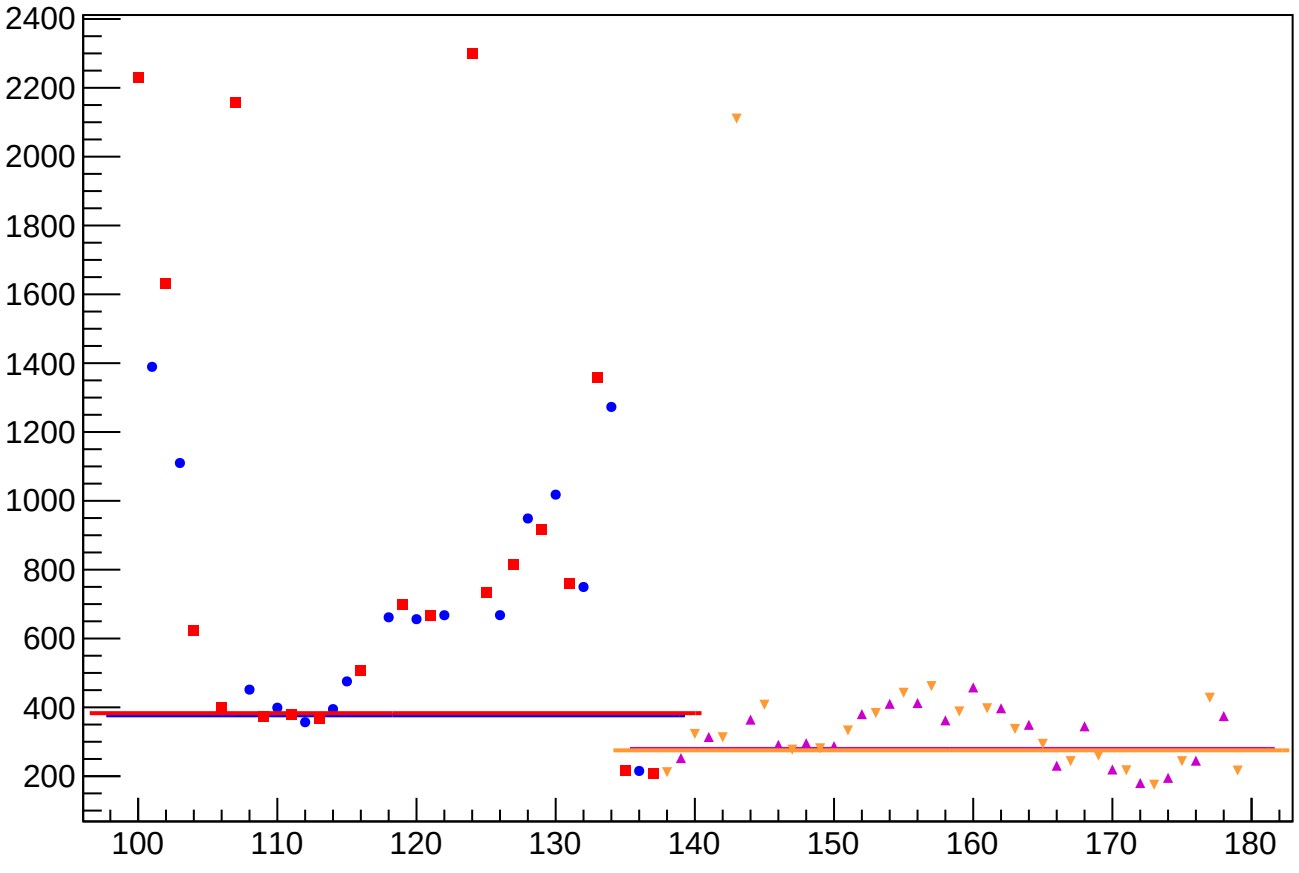
Right Out: -188.945+/-169.575 χ^2/NDF: 14.6/18

Left In: -123.878+/-72.178 χ^2/NDF:13.2/19

+ sign -201.353+/-64.736 χ^2/NDF: 62.1/37

All: -168.468+/-46.357 χ^2/NDF: 90.6/76

- sign -133.858+/-66.412 χ^2/NDF: 28.0/38



Right In: 376.893+/-0.119 χ^2/NDF: 4190194.7/15

Left Out: 275.146+/-0.050 χ^2/NDF:3615699.4/21

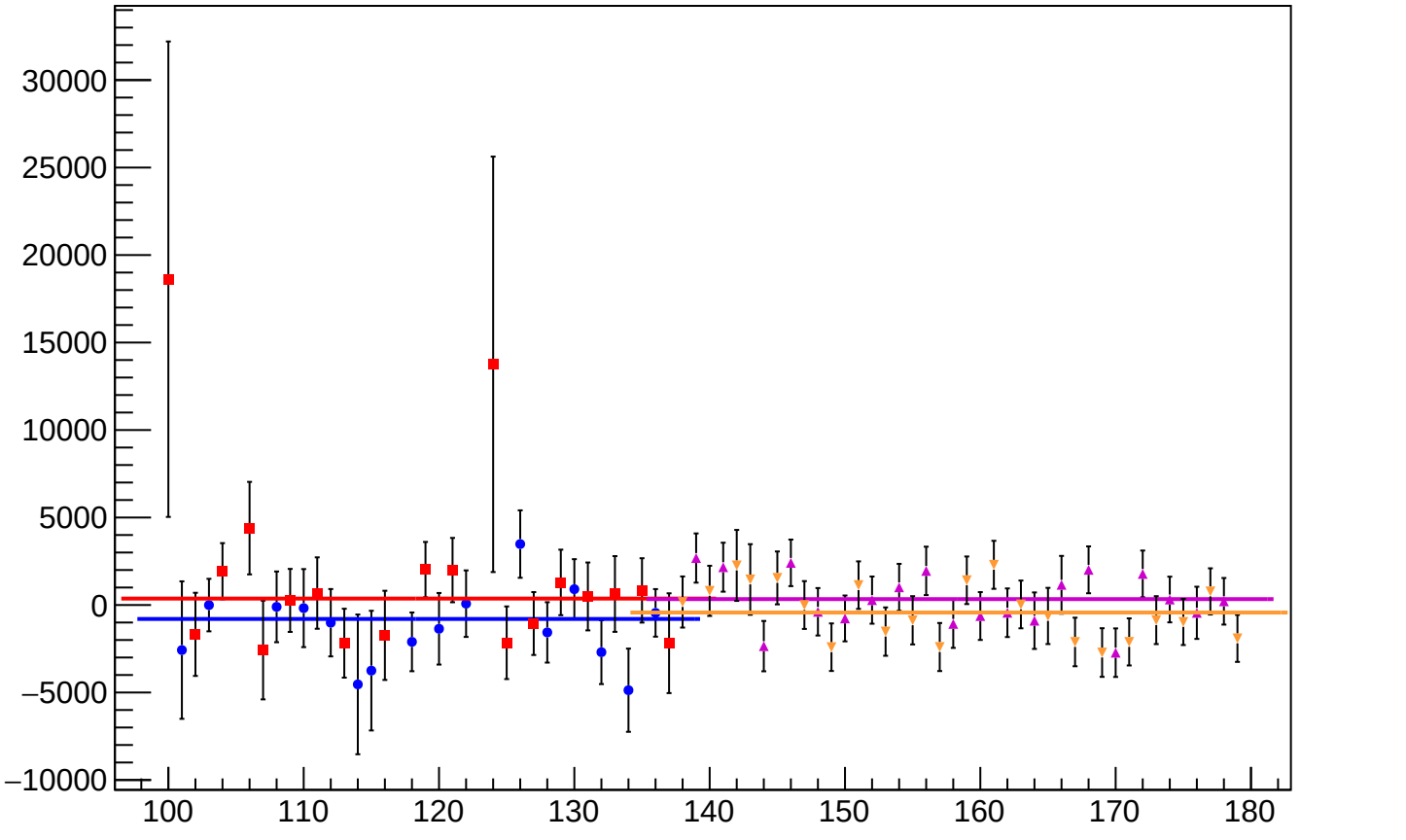
Right Out: 383.074+/-0.120 χ^2/NDF: 4054121.5/18

Left In: 279.102+/-0.051 χ^2/NDF:2292660.1/19

+ sign 290.217+/-0.046 χ^2/NDF: 8429301.5/37

All: 292.572+/-0.033 χ^2/NDF: 15418043.6/76

- sign 295.050+/-0.047 χ^2/NDF: 6983312.1/38



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: -430.196+/-302.828 χ^2/NDF:25.6/21

Right Out: 367.476+/-486.348 χ^2/NDF: 15.7/18

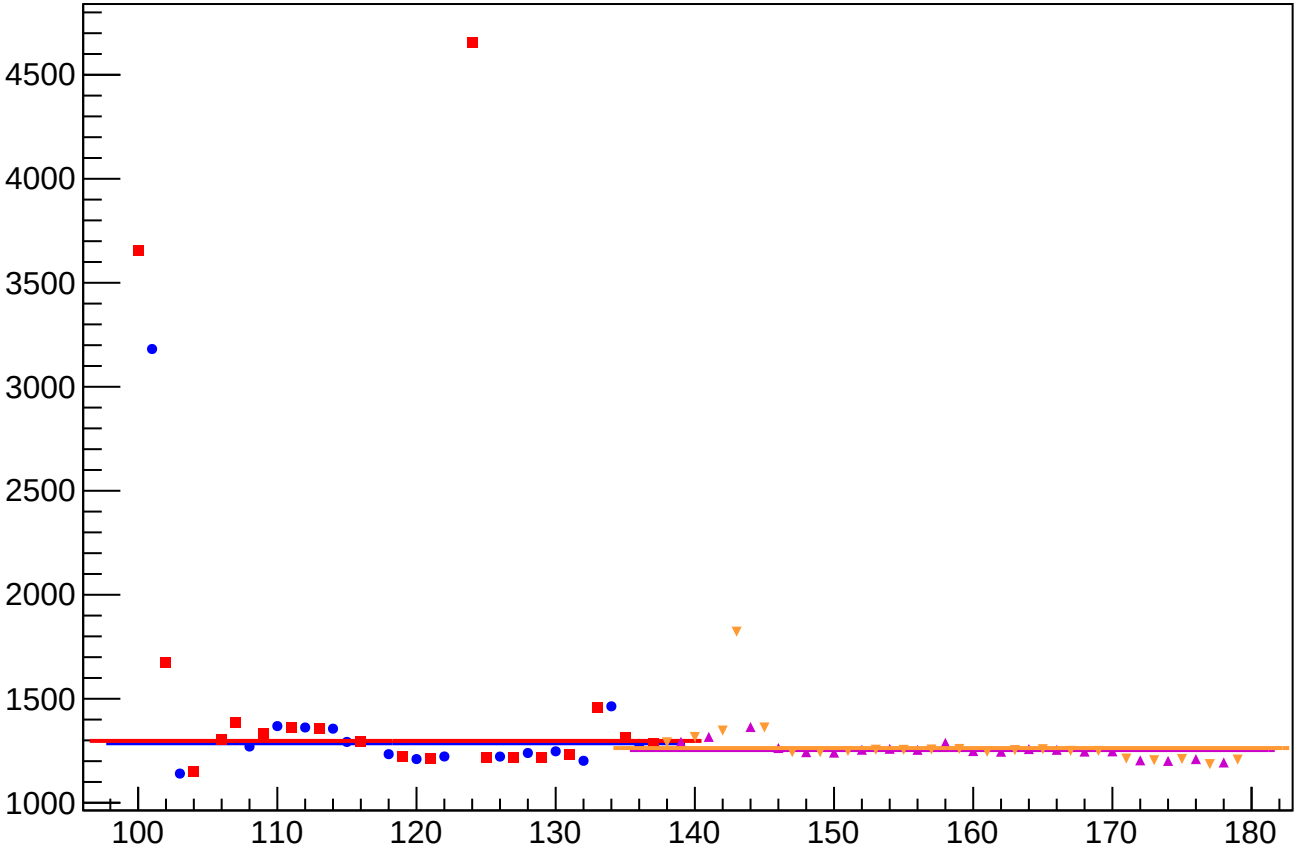
Left In: 337.523+/-310.167 χ^2/NDF:23.6/19

+ sign -532.308+/-257.231 χ^2/NDF: 39.4/37

All: -100.312+/-183.385 χ^2/NDF: 84.4/76

- sign 346.183+/-261.512 χ^2/NDF: 39.3/38

cor_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1262.976+/-0.214 χ^2/NDF:191424.8/21

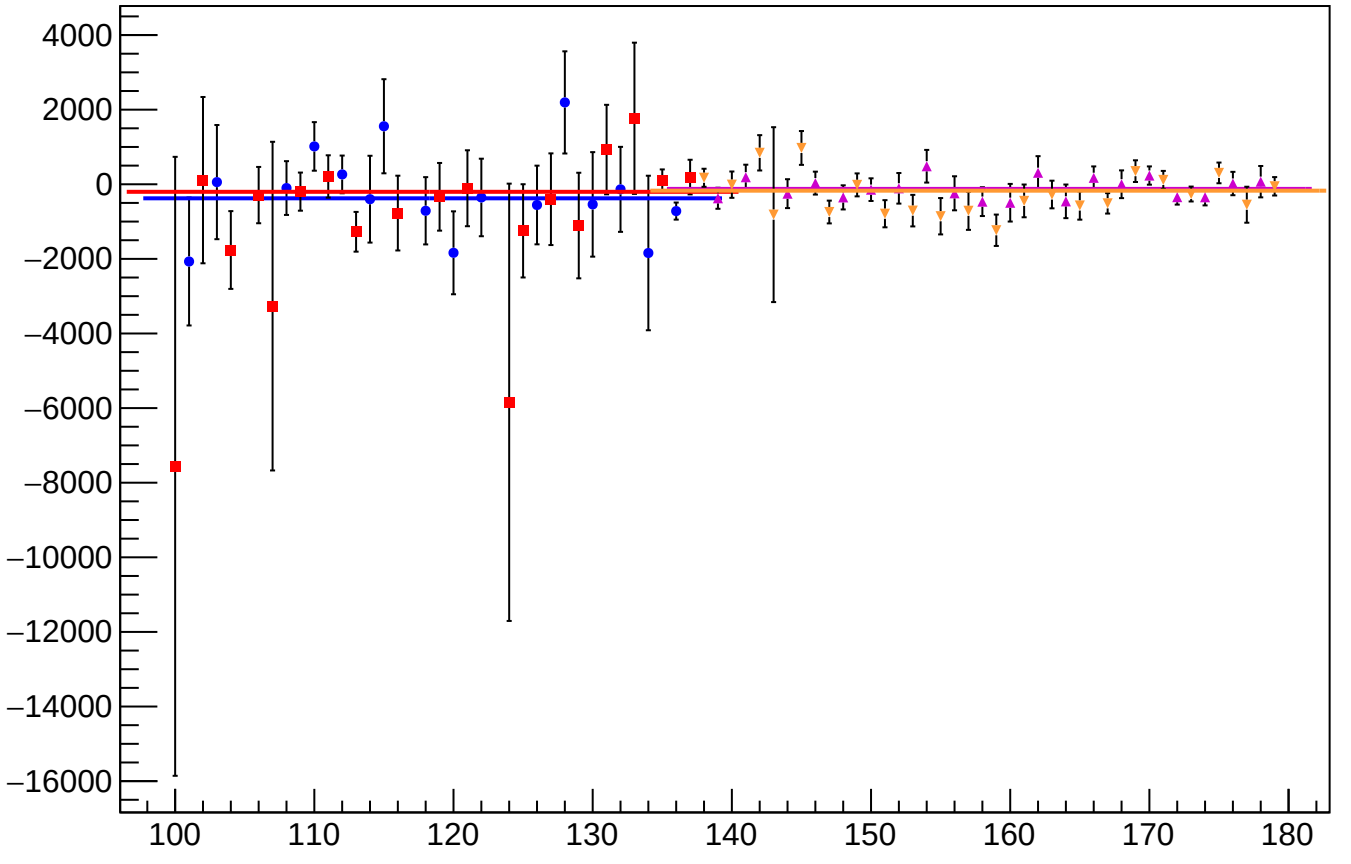
Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1253.384+/-0.219 χ^2/NDF:31113.9/19

\+ sign 1269.414+/-0.182 χ^2/NDF: 712799.9/37

All: 1267.789+/-0.130 χ^2/NDF: 1083460.0/76

\- sign 1266.108+/-0.185 χ^2/NDF: 370497.7/38



Right In: -376.771+/-168.223 χ^2/NDF: 17.9/15

Left Out: -171.653+/-70.141 χ^2/NDF:42.8/21

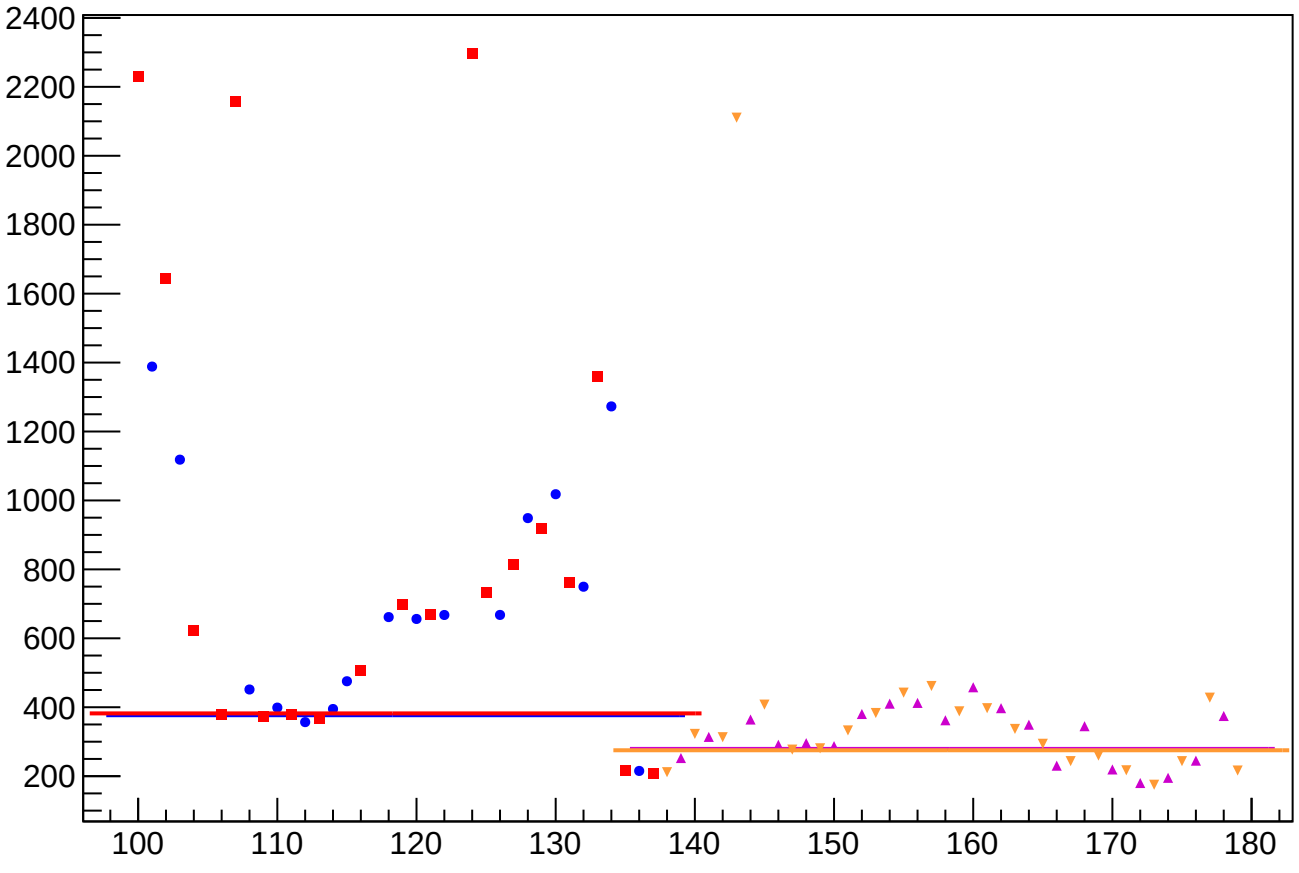
Right Out: -202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: -123.963+/-72.180 χ^2/NDF:13.2/19

+ sign -202.031+/-64.739 χ^2/NDF: 62.0/37

All: -169.842+/-46.354 χ^2/NDF: 89.9/76

- sign -135.978+/-66.402 χ^2/NDF: 27.4/38



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 275.158+/-0.050 χ^2/NDF:3615319.1/21

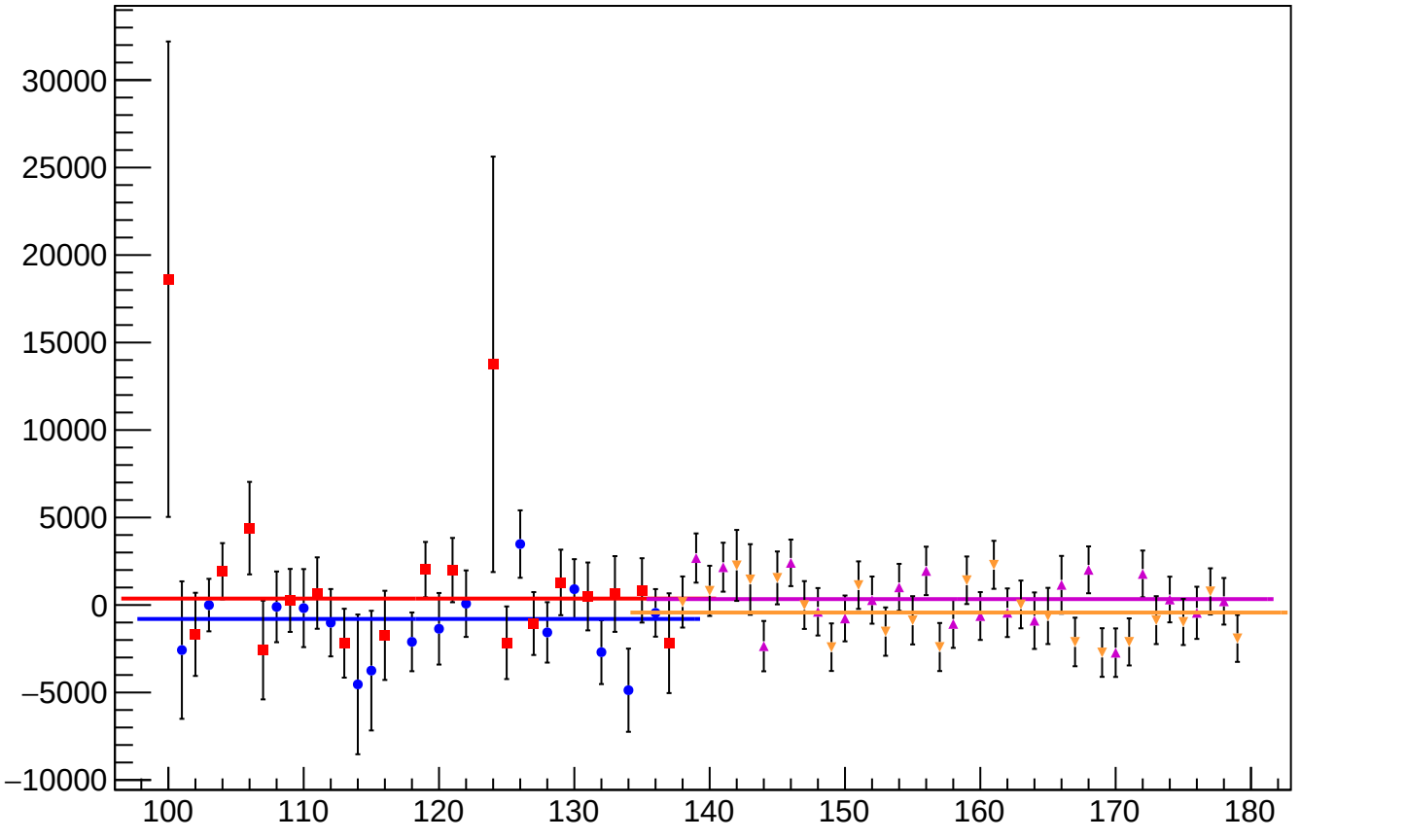
Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 279.109+/-0.051 χ^2/NDF:2292490.1/19

+ sign 290.224+/-0.046 χ^2/NDF: 8431676.5/37

All: 292.524+/-0.033 χ^2/NDF: 15415199.3/76

- sign 294.943+/-0.047 χ^2/NDF: 6978342.8/38



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: -430.196+/-302.828 χ^2/NDF:25.6/21

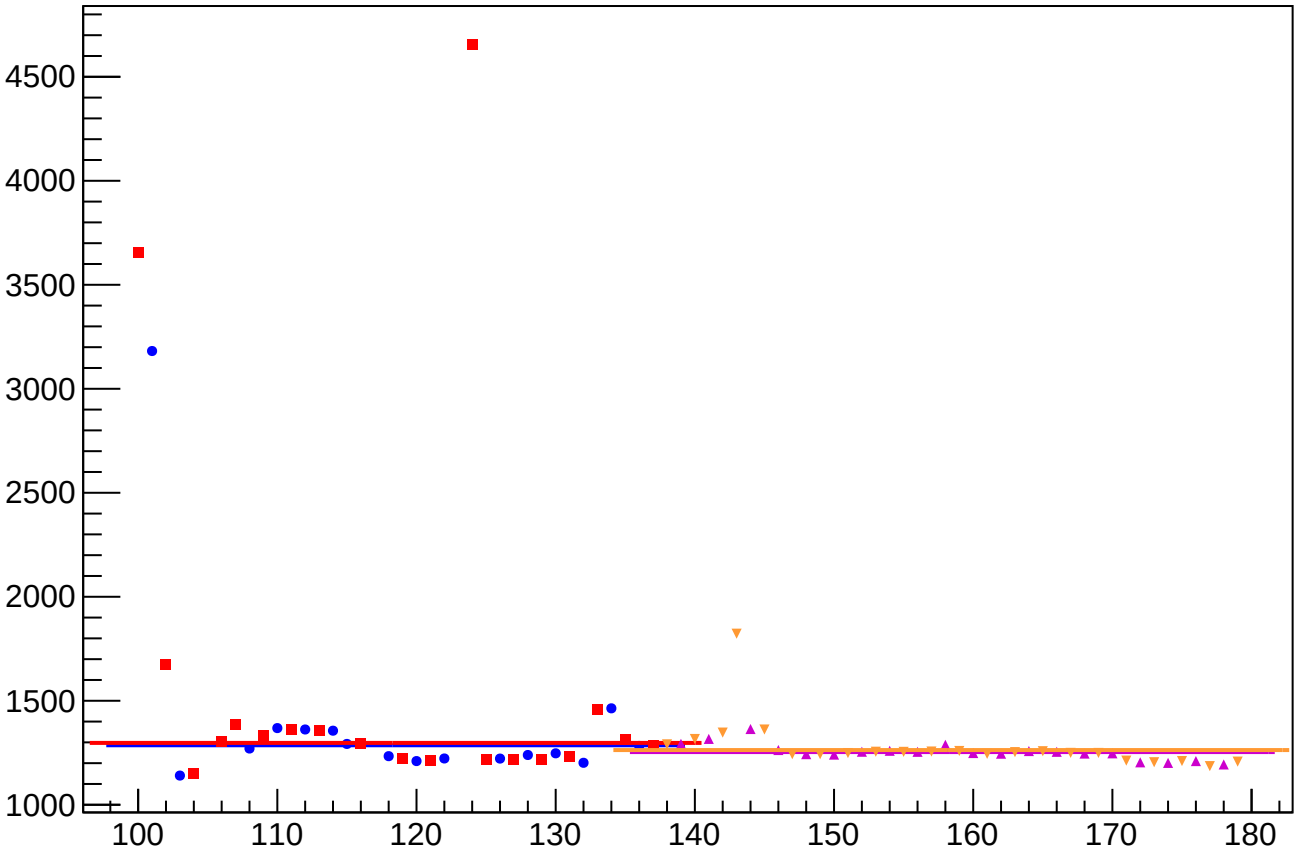
Right Out: 367.476+/-486.348 χ^2/NDF: 15.7/18

Left In: 337.523+/-310.167 χ^2/NDF:23.6/19

+ sign -532.308+/-257.231 χ^2/NDF: 39.4/37

All: -100.312+/-183.385 χ^2/NDF: 84.4/76

- sign 346.183+/-261.512 χ^2/NDF: 39.3/38



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1262.976+/-0.214 χ^2/NDF:191424.8/21

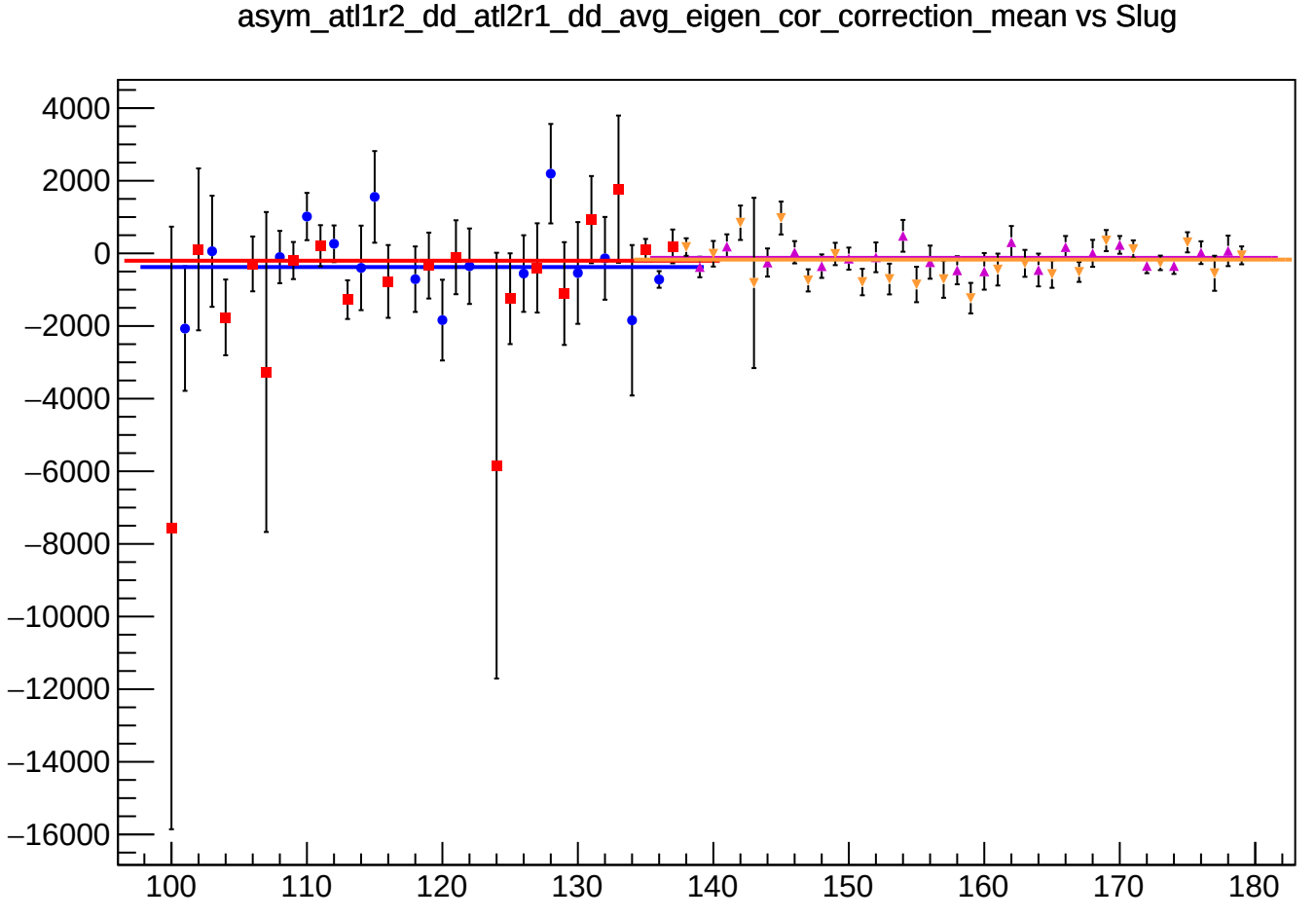
Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1253.384+/-0.219 χ^2/NDF:31113.9/19

+ sign 1269.414+/-0.182 χ^2/NDF: 712799.9/37

All: 1267.789+/-0.130 χ^2/NDF: 1083460.0/76

- sign 1266.108+/-0.185 χ^2/NDF: 370497.7/38



Right In: -376.771+/-168.223 χ^2/NDF: 17.9/15

Left Out: -171.653+/-70.141 χ^2/NDF:42.8/21

Right Out: -202.144+/-169.377 χ^2/NDF: 14.0/18

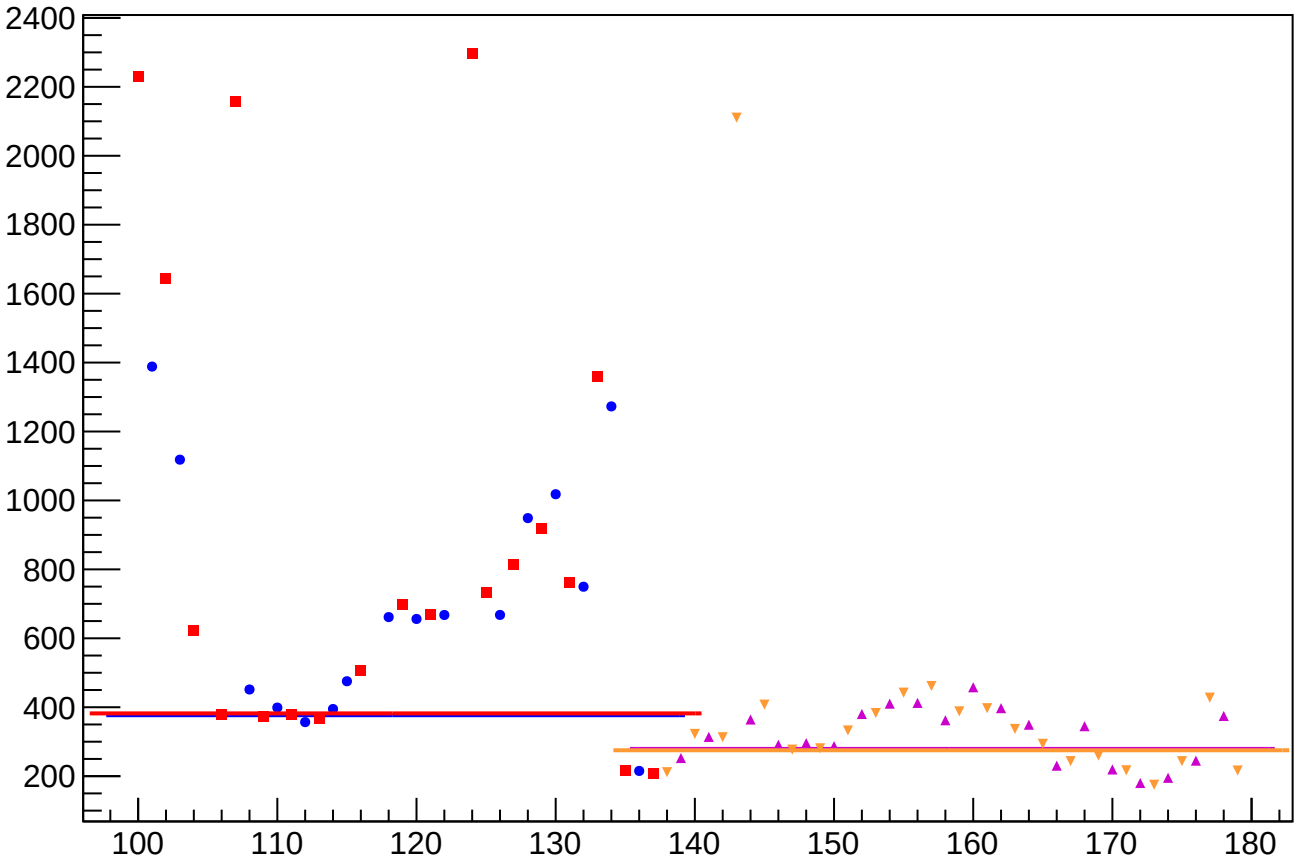
Left In: -123.963+/-72.180 χ^2/NDF:13.2/19

+ sign -202.031+/-64.739 χ^2/NDF: 62.0/37

All: -169.842+/-46.354 χ^2/NDF: 89.9/76

- sign -135.978+/-66.402 χ^2/NDF: 27.4/38

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_rms vs Slug



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 275.158+/-0.050 χ^2/NDF:3615319.1/21

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

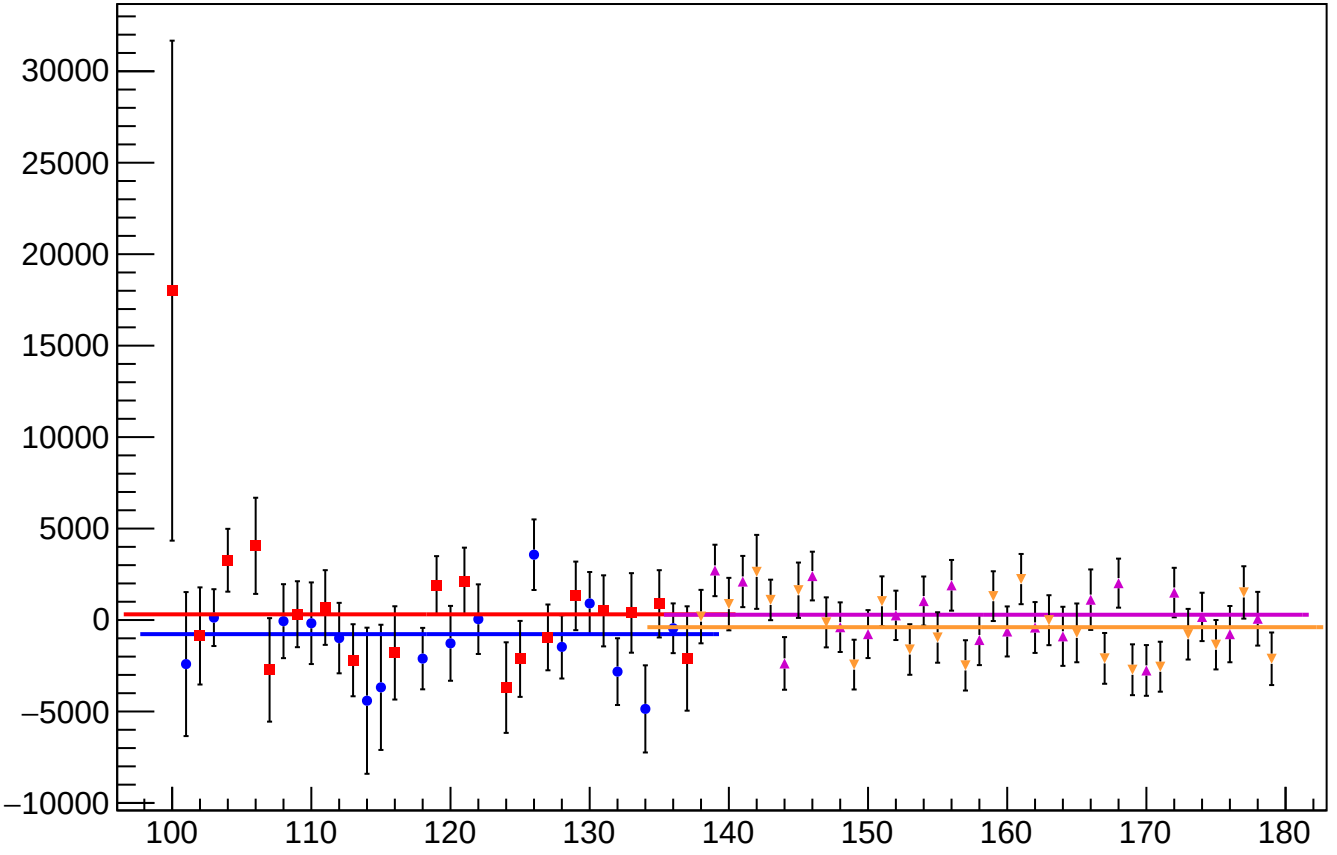
Left In: 279.109+/-0.051 χ^2/NDF:2292490.1/19

+ sign 290.224+/-0.046 χ^2/NDF: 8431676.5/37

All: 292.524+/-0.033 χ^2/NDF: 15415199.3/76

- sign 294.943+/-0.047 χ^2/NDF: 6978342.8/38

dit_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -771.499+/-489.602 χ^2/NDF: 13.6/15

Left Out: -391.037+/-298.059 χ^2/NDF:29.4/21

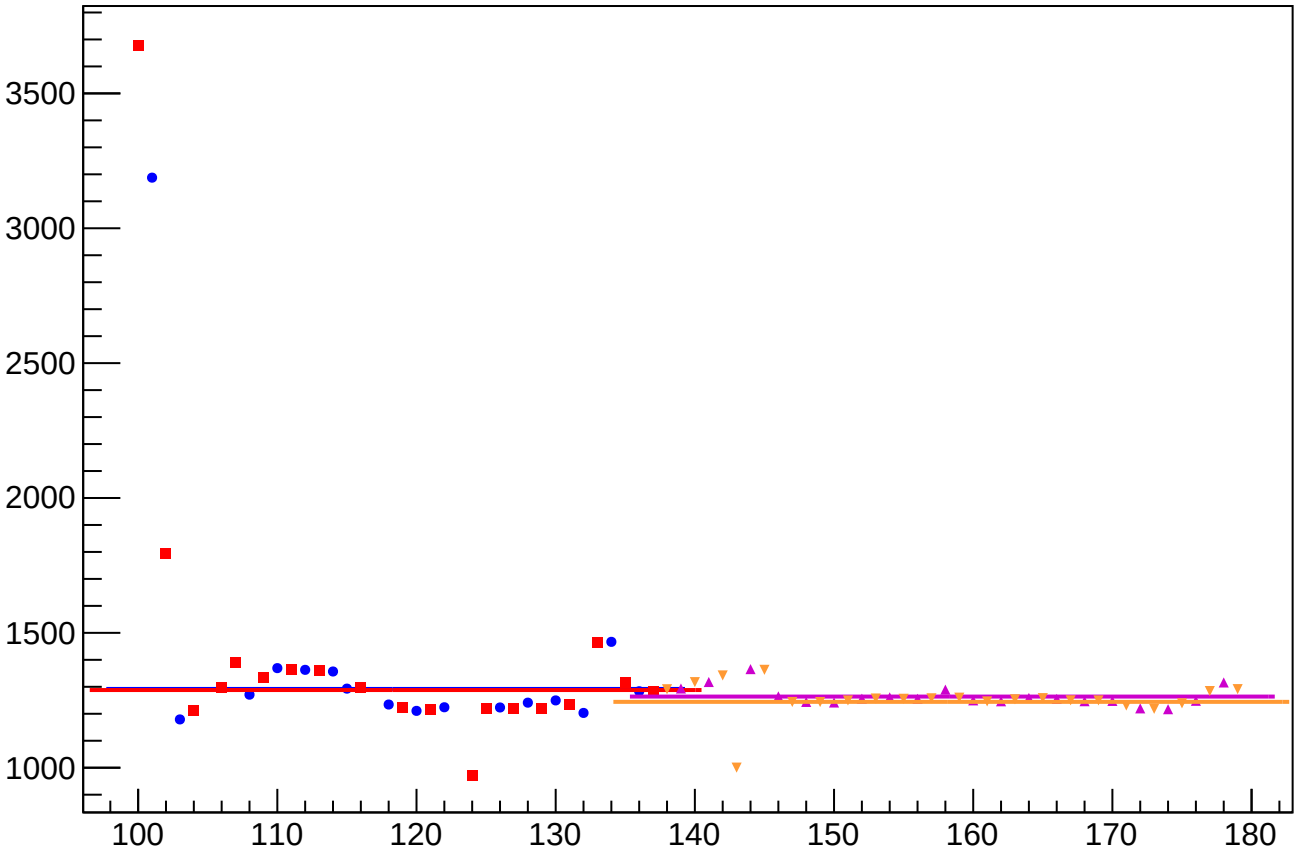
Right Out: 311.418+/-482.642 χ^2/NDF: 17.9/18

Left In: 288.852+/-312.718 χ^2/NDF:23.4/19

+ sign -493.913+/-254.592 χ^2/NDF: 43.4/37

All: -111.181+/-182.737 χ^2/NDF: 89.4/76

- sign 295.524+/-262.445 χ^2/NDF: 41.4/38



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.3/15

Left Out: 1244.181+/-0.211 χ^2/NDF:127011.8/21

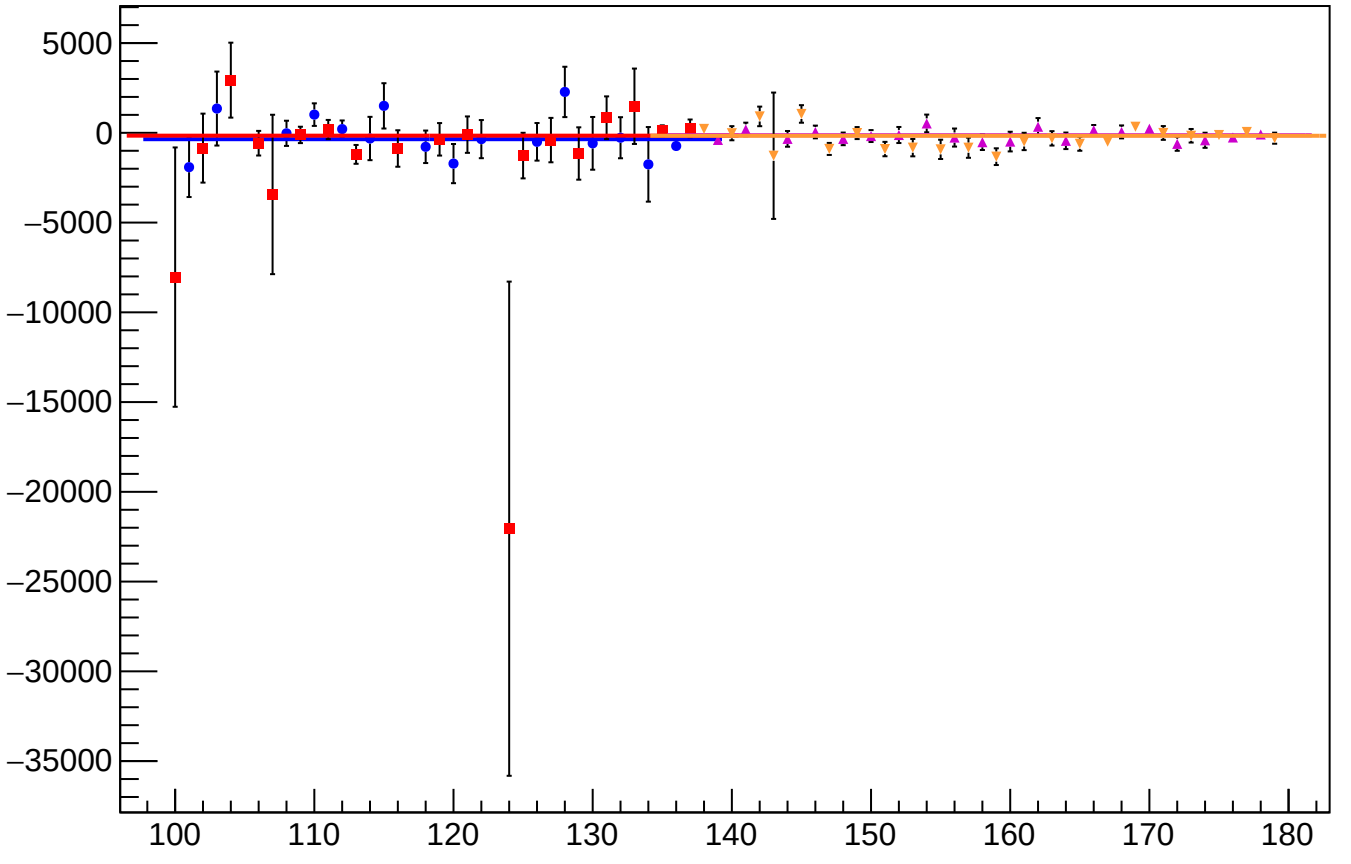
Right Out: 1287.988+/-0.341 χ^2/NDF: 209208.8/18

Left In: 1263.779+/-0.221 χ^2/NDF:24257.3/19

+ sign 1257.122+/-0.180 χ^2/NDF: 650359.6/37

All: 1263.820+/-0.129 χ^2/NDF: 890225.1/76

- sign 1270.937+/-0.186 χ^2/NDF: 237010.2/38



Right In: -355.226+/-169.971 χ^2/NDF: 18.4/15

Left Out: -164.211+/-67.513 χ^2/NDF:41.7/21

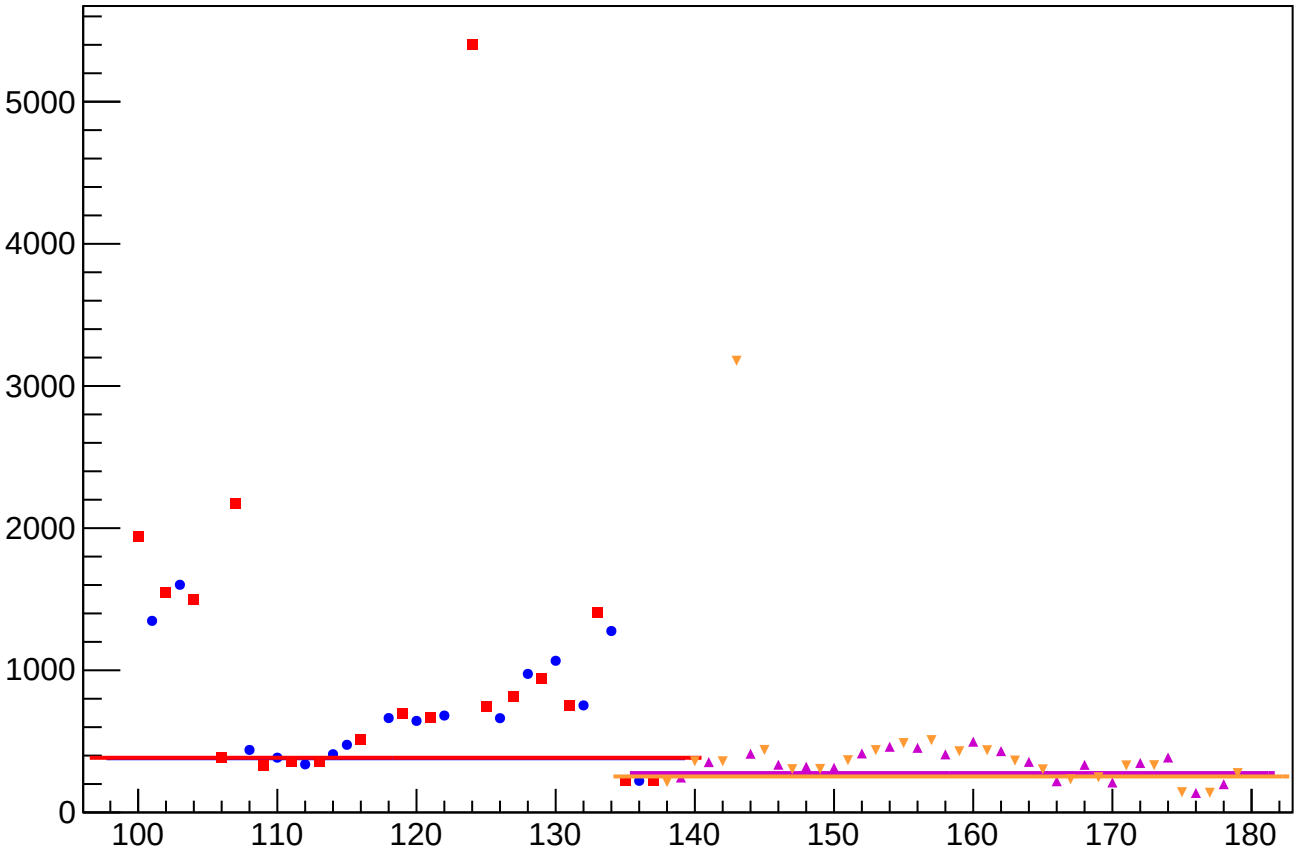
Right Out: -157.924+/-169.665 χ^2/NDF: 15.8/18

Left In: -135.587+/-73.662 χ^2/NDF:13.0/19

+ sign -190.241+/-62.745 χ^2/NDF: 61.3/37

All: -166.574+/-45.978 χ^2/NDF: 90.5/76

- sign -139.130+/-67.568 χ^2/NDF: 28.9/38



Right In: 381.349+/-0.120 χ^2/NDF: 4317922.6/15

Left Out: 253.247+/-0.048 χ^2/NDF:6289956.3/21

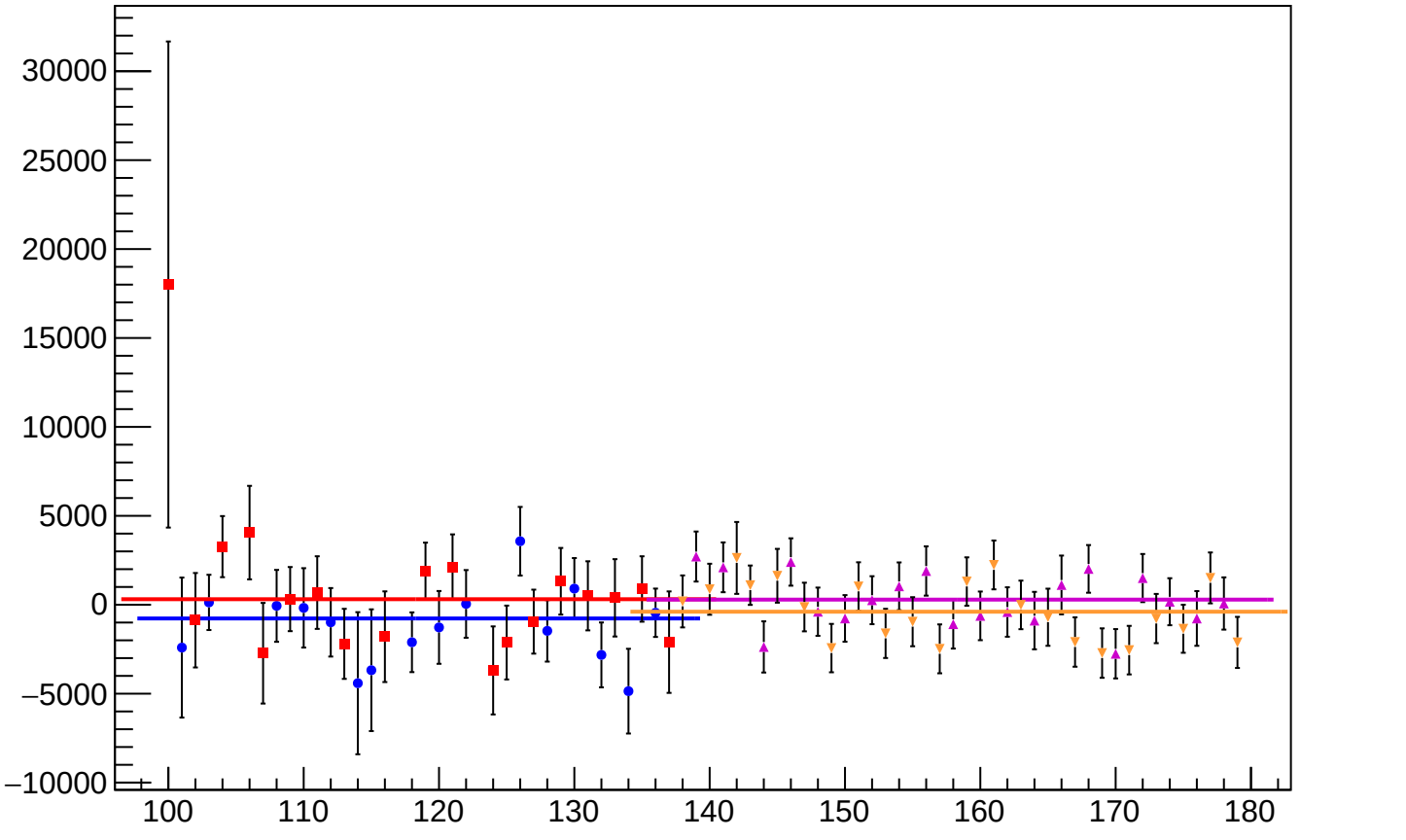
Right Out: 384.651+/-0.120 χ^2/NDF: 4560208.6/18

Left In: 277.021+/-0.052 χ^2/NDF:3988205.7/19

+ sign 270.704+/-0.044 χ^2/NDF: 11589113.4/37

All: 281.533+/-0.033 χ^2/NDF: 20943388.8/76

- sign 294.091+/-0.048 χ^2/NDF: 9225615.6/38



Right In: -771.501+/-489.602 χ^2/NDF: 13.6/15

Left Out: -391.036+/-298.059 χ^2/NDF:29.4/21

Right Out: 311.419+/-482.642 χ^2/NDF: 17.9/18

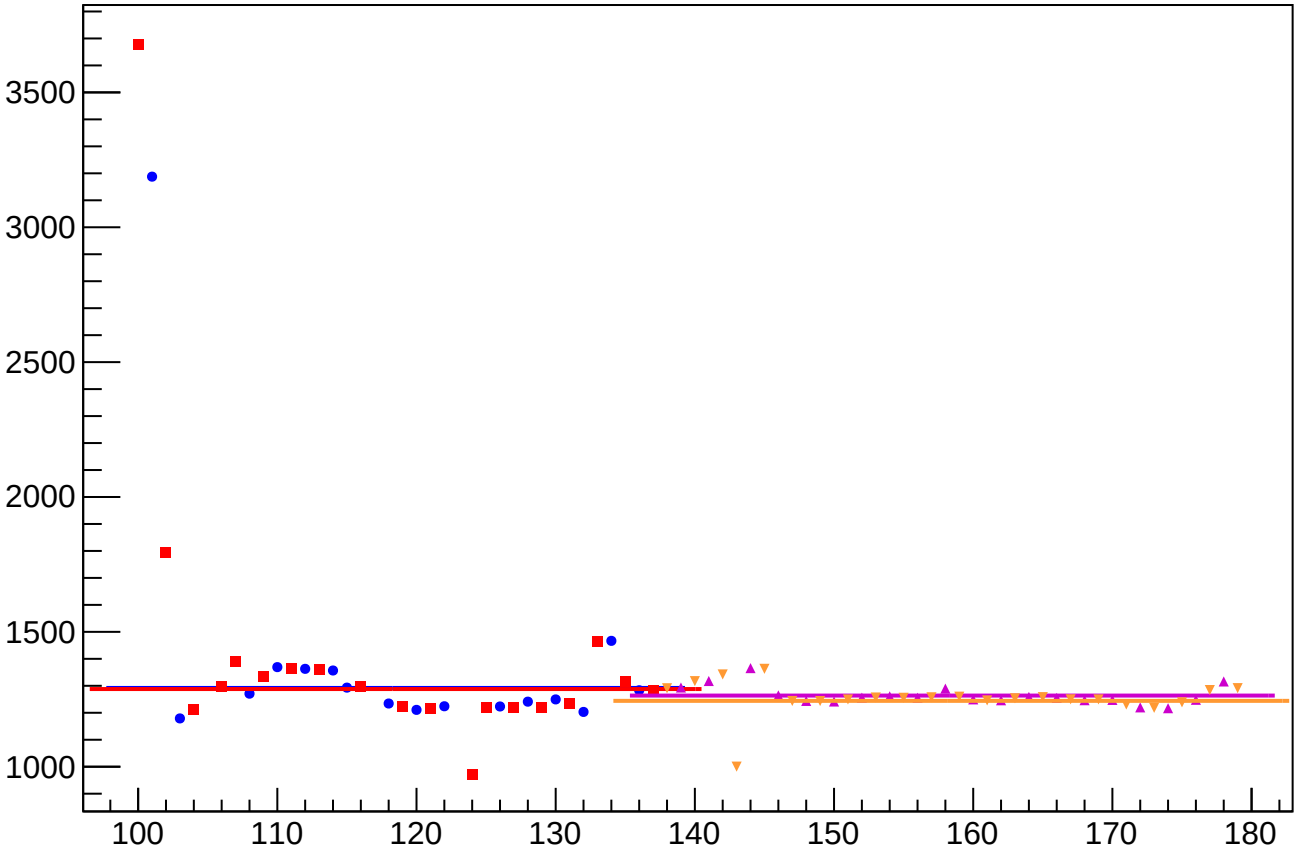
Left In: 288.853+/-312.718 χ^2/NDF:23.4/19

\+ sign -493.913+/-254.592 χ^2/NDF: 43.4/37

All: -111.180+/-182.737 χ^2/NDF: 89.4/76

\- sign 295.525+/-262.445 χ^2/NDF: 41.4/38

eigen_dit_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.2/15

Left Out: 1244.182+/-0.211 χ^2/NDF:127011.0/21

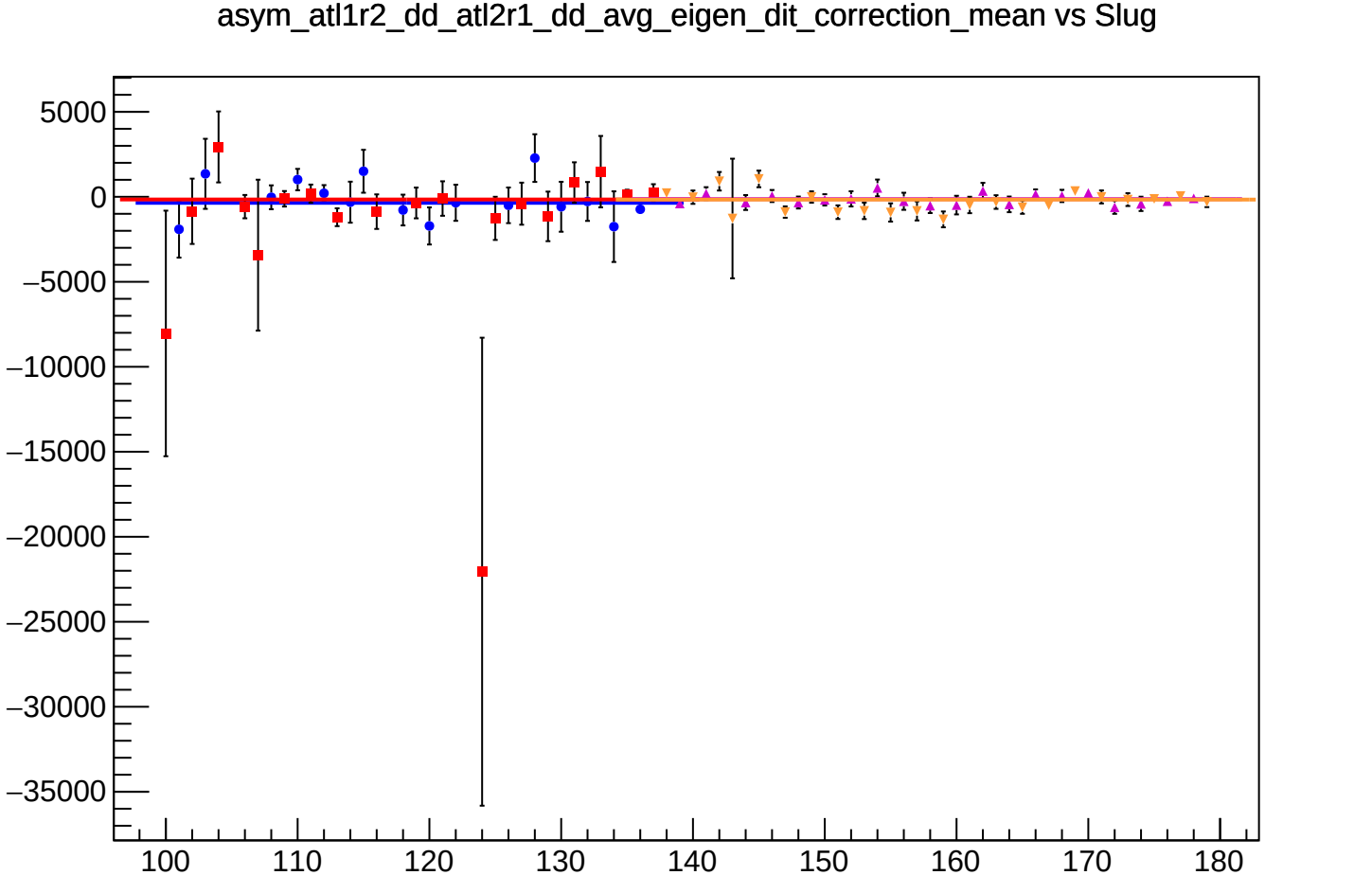
Right Out: 1287.988+/-0.341 χ^2/NDF: 209209.1/18

Left In: 1263.779+/-0.221 χ^2/NDF:24257.4/19

+ sign 1257.122+/-0.180 χ^2/NDF: 650358.7/37

All: 1263.820+/-0.129 χ^2/NDF: 890224.6/76

- sign 1270.937+/-0.186 χ^2/NDF: 237010.6/38



Right In: -355.226+/-169.973 χ^2/NDF: 18.4/15

Left Out: -164.215+/-67.513 χ^2/NDF:41.7/21

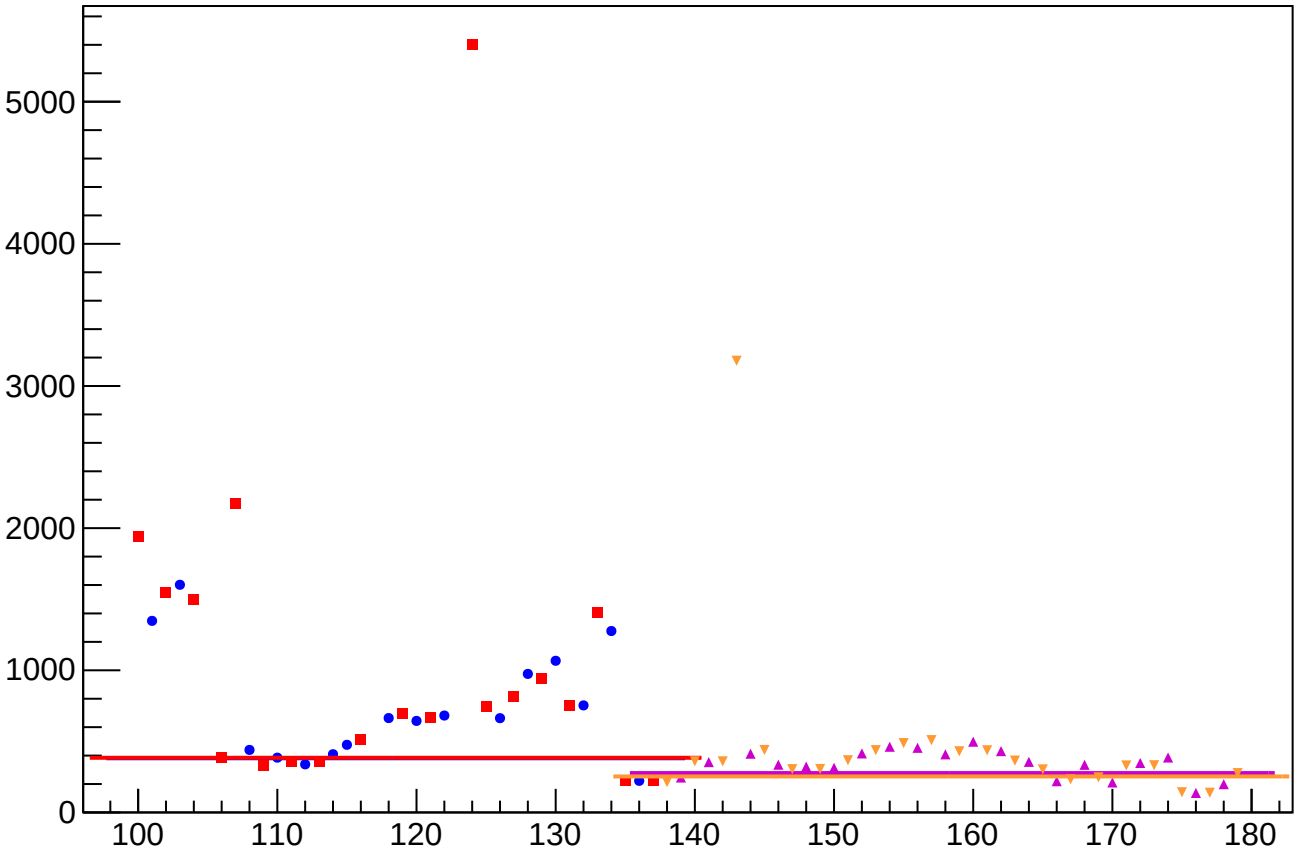
Right Out: -157.929+/-169.667 χ^2/NDF: 15.8/18

Left In: -135.586+/-73.662 χ^2/NDF:13.0/19

+ sign -190.244+/-62.745 χ^2/NDF: 61.3/37

All: -166.576+/-45.978 χ^2/NDF: 90.5/76

- sign -139.130+/-67.568 χ^2/NDF: 28.9/38



Right In: 381.359+/-0.120 χ^2/NDF: 4317737.3/15

Left Out: 253.248+/-0.048 χ^2/NDF:6289859.4/21

Right Out: 384.658+/-0.120 χ^2/NDF: 4560068.3/18

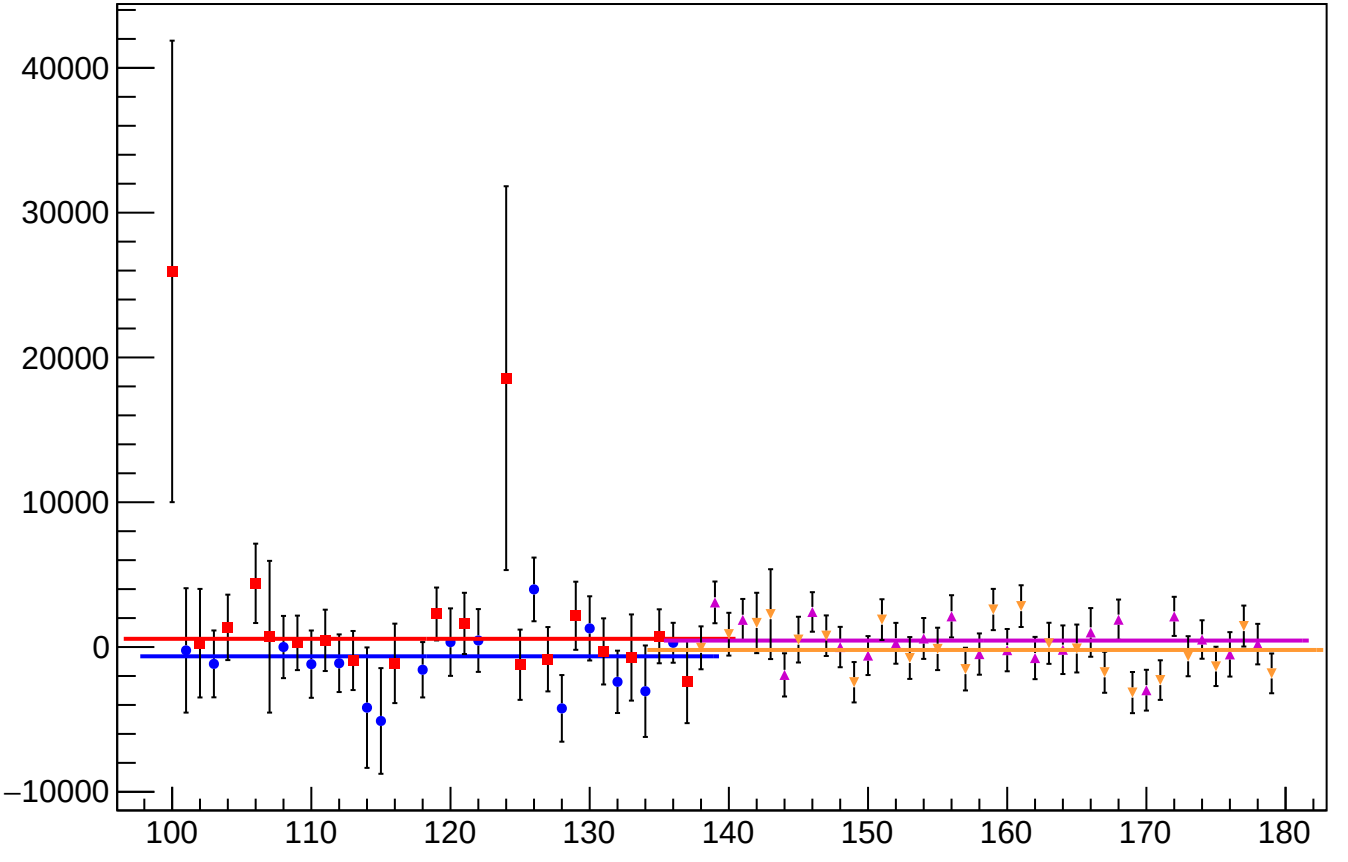
Left In: 277.021+/-0.052 χ^2/NDF:3988159.1/19

+ sign 270.706+/-0.044 χ^2/NDF: 11588931.6/37

All: 281.535+/-0.033 χ^2/NDF: 20943083.6/76

- sign 294.092+/-0.048 χ^2/NDF: 9225500.2/38

asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -640.824+/-564.366 χ^2/NDF: 12.5/15

Left Out: -202.303+/-315.585 χ^2/NDF:28.1/21

Right Out: 567.254+/-566.774 χ^2/NDF: 11.3/18

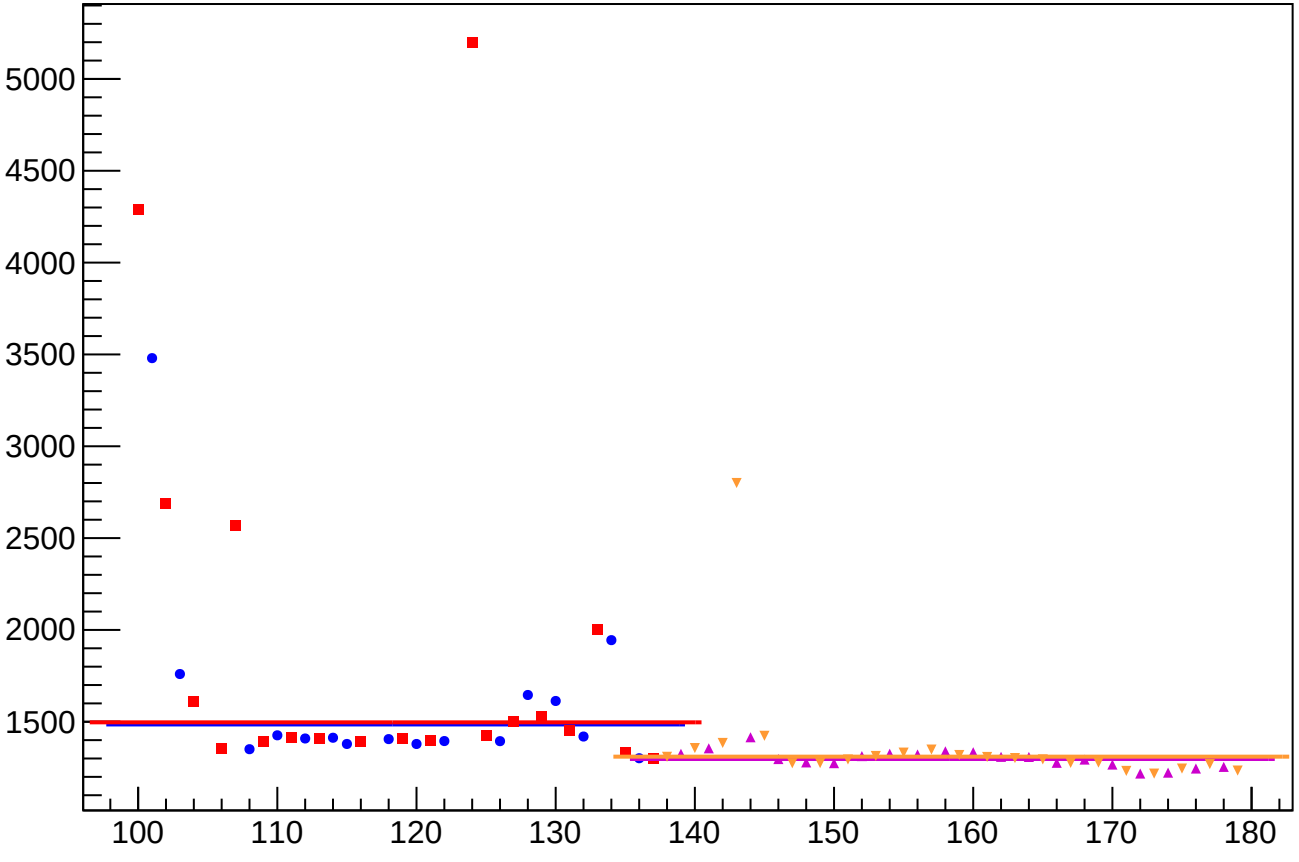
Left In: 446.954+/-321.102 χ^2/NDF:21.5/19

+ sign -306.760+/-275.445 χ^2/NDF: 41.0/37

All: 79.159+/-196.146 χ^2/NDF: 77.9/76

- sign 476.184+/-279.380 χ^2/NDF: 32.9/38

asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1485.370+/-0.399 χ^2/NDF: 584470.1/15

Left Out: 1310.023+/-0.223 χ^2/NDF:510839.7/21

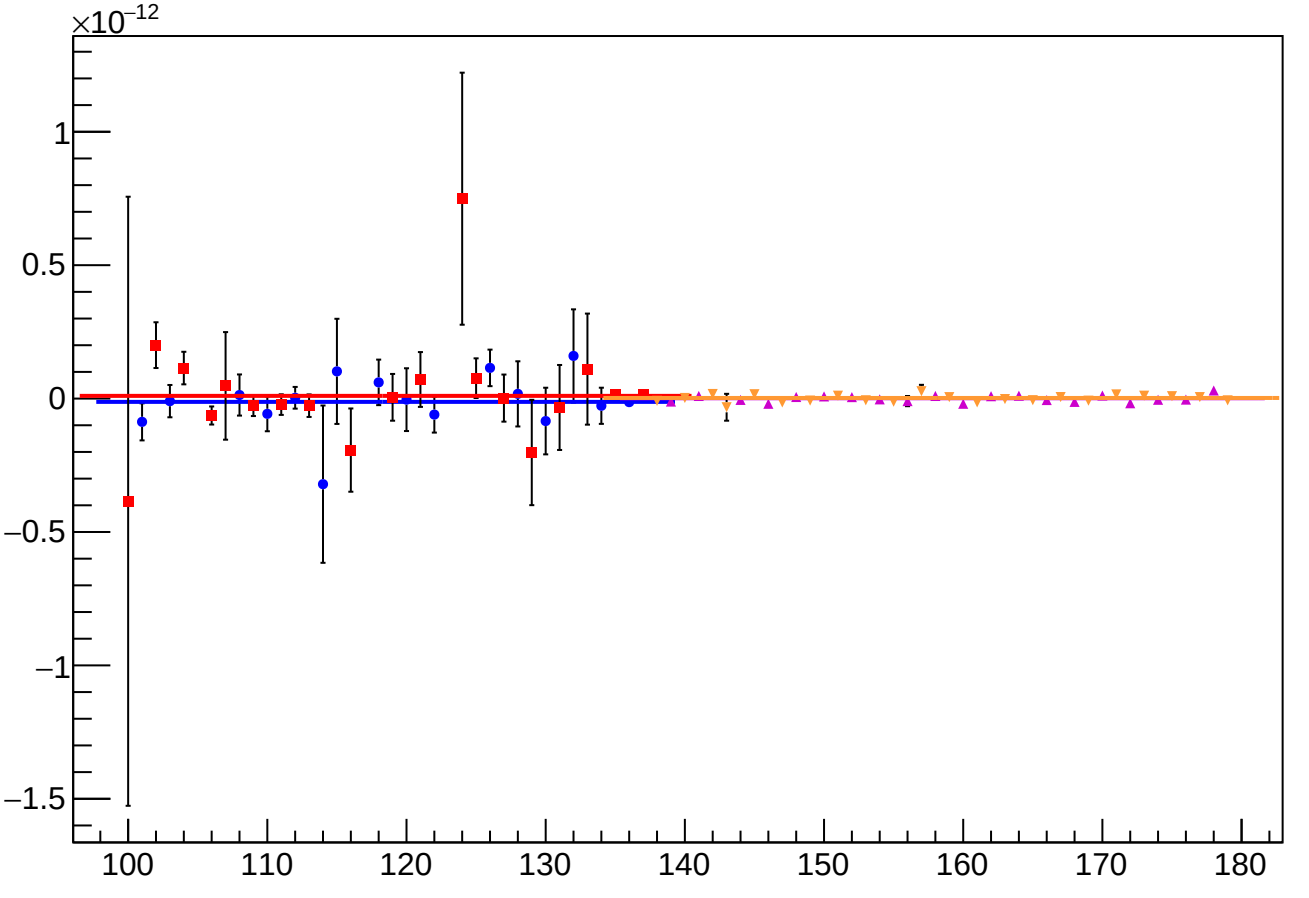
Right Out: 1496.865+/-0.401 χ^2/NDF: 623292.7/18

Left In: 1297.339+/-0.227 χ^2/NDF:40935.2/19

+ sign 1351.791+/-0.195 χ^2/NDF: 1242387.5/37

All: 1348.848+/-0.139 χ^2/NDF: 2094716.3/76

- sign 1345.820+/-0.198 χ^2/NDF: 851865.6/38



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.8/21

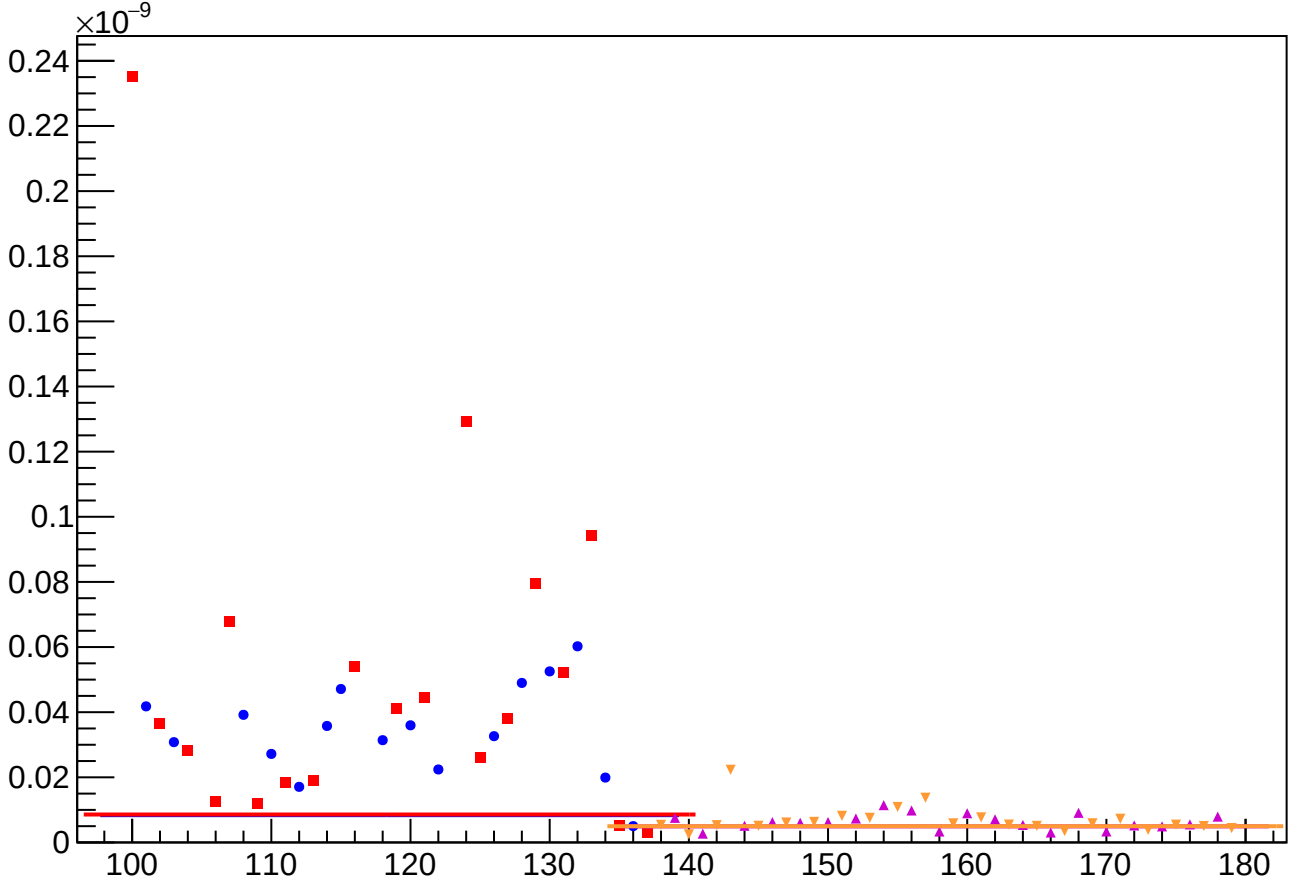
Right Out: 0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: 0.000+/-0.000 χ^2/NDF:24.9/19

+ sign 0.000+/-0.000 χ^2/NDF: 32.8/37

All: 0.000+/-0.000 χ^2/NDF: 81.3/76

- sign 0.000+/-0.000 χ^2/NDF: 48.4/38



Right In: 0.000+/-0.000 χ^2/NDF: 3059657.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1893844.4/21

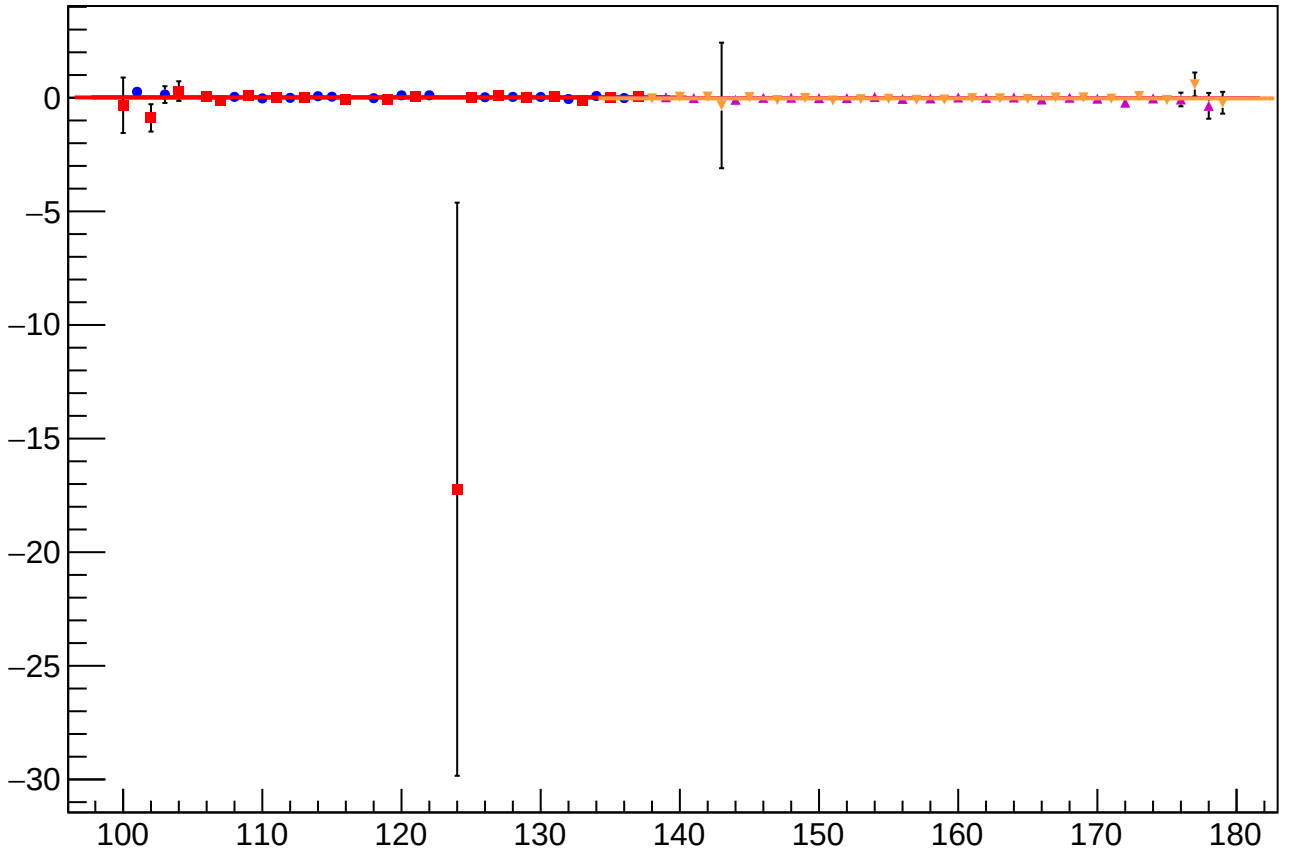
Right Out: 0.000+/-0.000 χ^2/NDF: 3348571.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1762003.5/19

+ sign 0.000+/-0.000 χ^2/NDF: 5341448.4/37

All: 0.000+/-0.000 χ^2/NDF: 10836694.9/76

- sign 0.000+/-0.000 χ^2/NDF: 5494834.1/38



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.027+/-0.010 χ^2/NDF:25.3/21

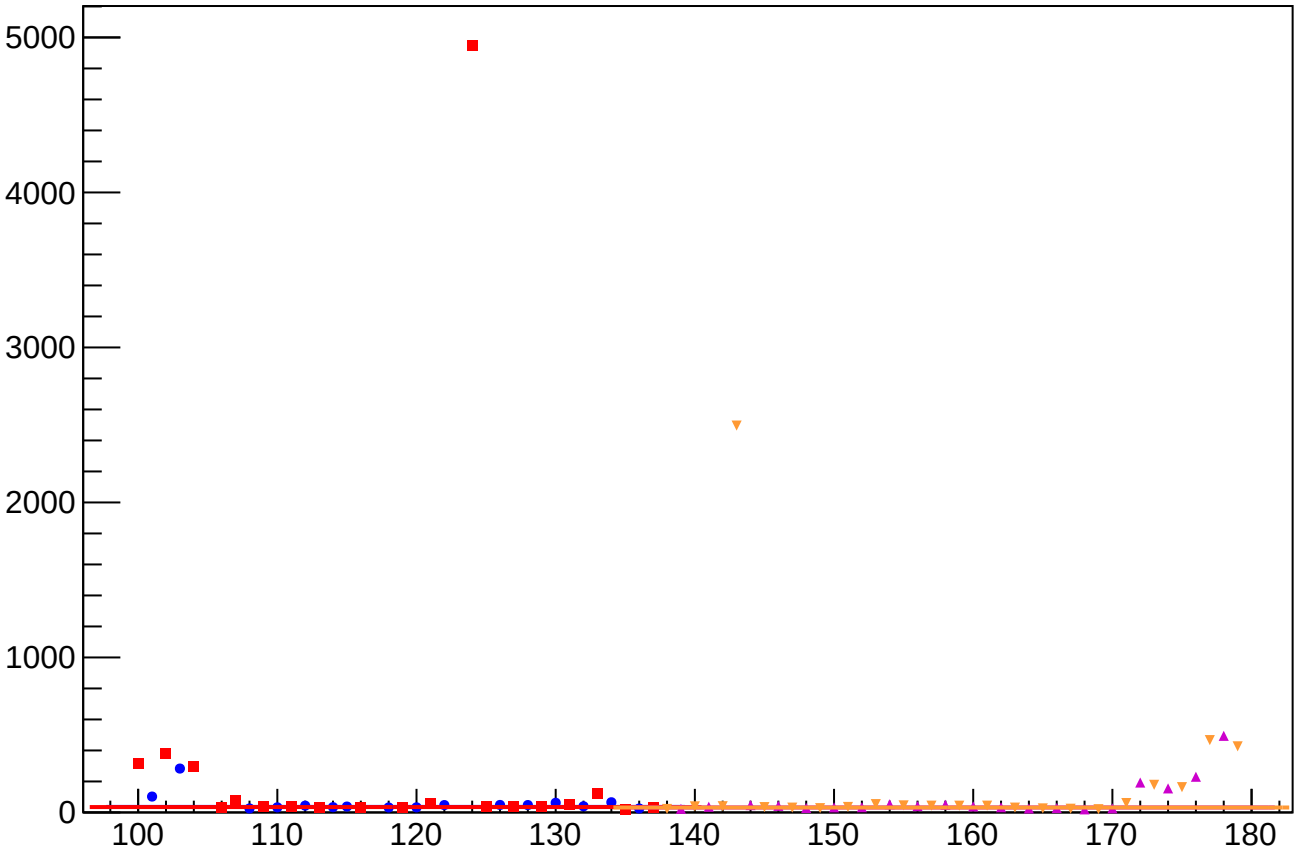
Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.012+/-0.010 χ^2/NDF:11.1/19

+ sign -0.015+/-0.008 χ^2/NDF: 42.7/37

All: -0.010+/-0.006 χ^2/NDF: 72.5/76

- sign -0.005+/-0.008 χ^2/NDF: 29.0/38



Right In: 35.742+/-0.011 χ^2/NDF: 2264790.8/15

Left Out: 31.974+/-0.007 χ^2/NDF:8032902.7/21

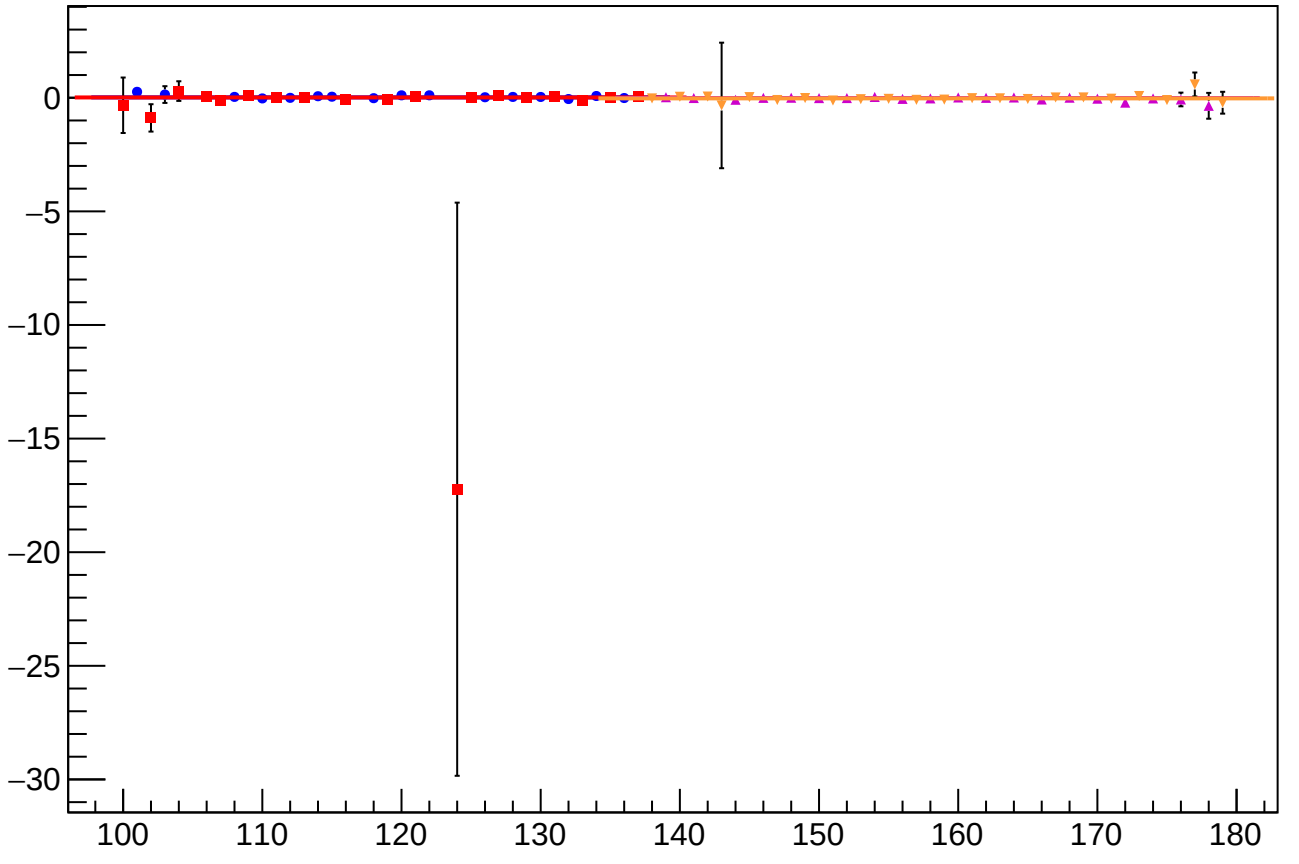
Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 32.159+/-0.007 χ^2/NDF:5951814.5/19

\+ sign 33.013+/-0.006 χ^2/NDF: 10383887.1/37

All: 32.943+/-0.004 χ^2/NDF: 19291746.8/76

\- sign 32.872+/-0.006 χ^2/NDF: 8907561.1/38



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.027+/-0.010 χ^2/NDF:25.3/21

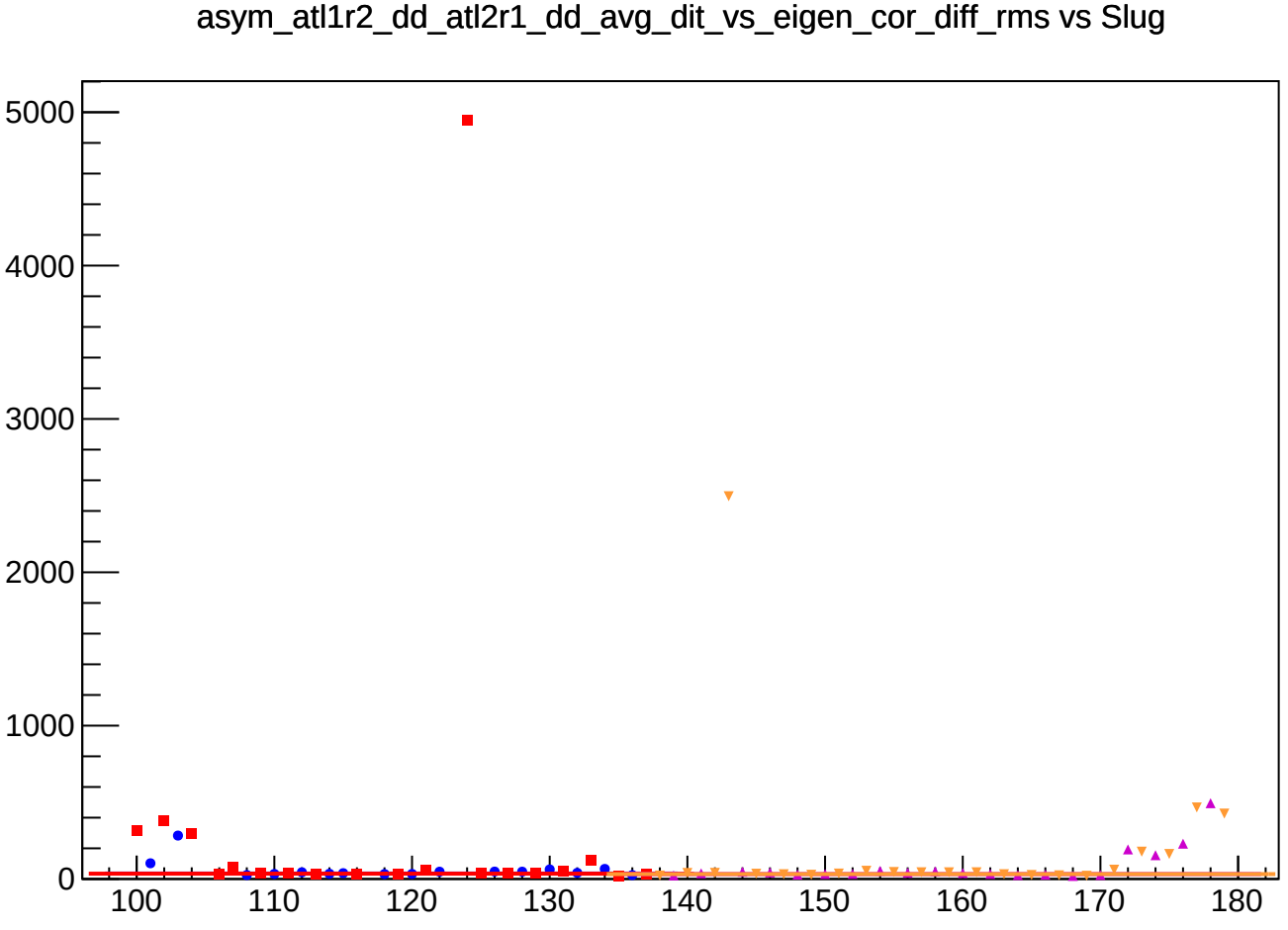
Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.012+/-0.010 χ^2/NDF:11.1/19

+ sign -0.015+/-0.008 χ^2/NDF: 42.7/37

All: -0.010+/-0.006 χ^2/NDF: 72.5/76

- sign -0.005+/-0.008 χ^2/NDF: 29.0/38



Right In: 35.742+/-0.011 χ^2/NDF: 2264790.8/15

Left Out: 31.974+/-0.007 χ^2/NDF:8032902.7/21

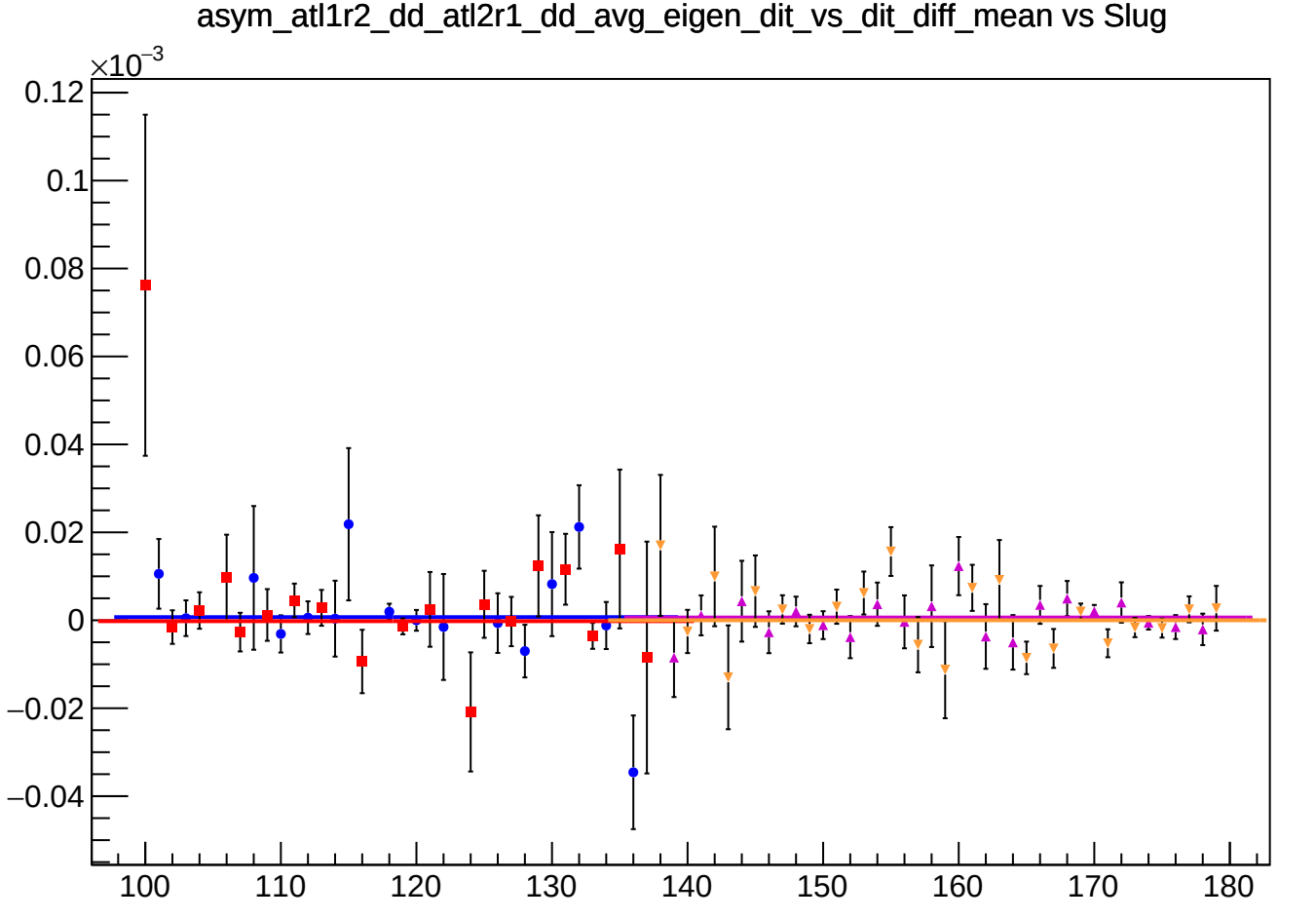
Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

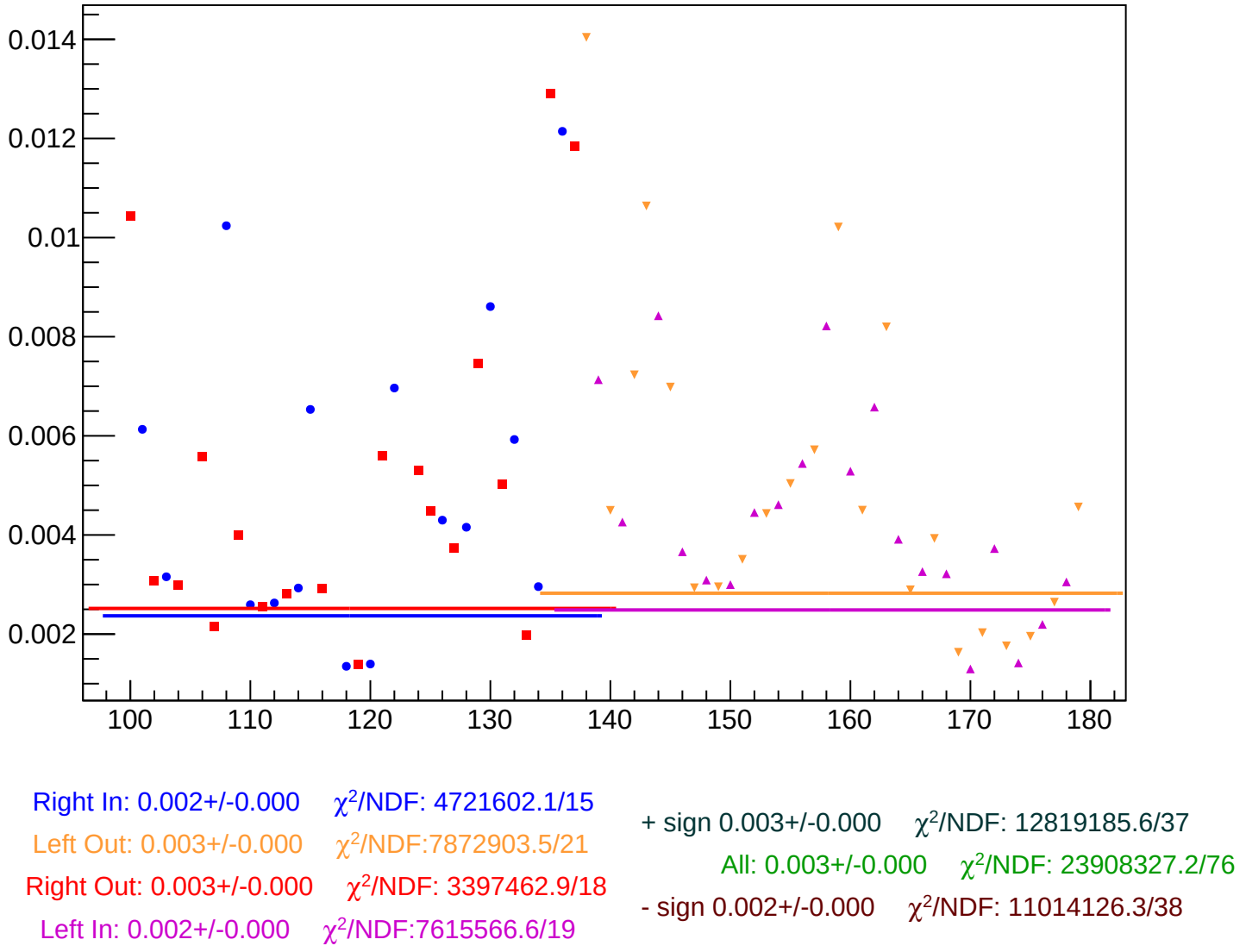
Left In: 32.159+/-0.007 χ^2/NDF:5951814.5/19

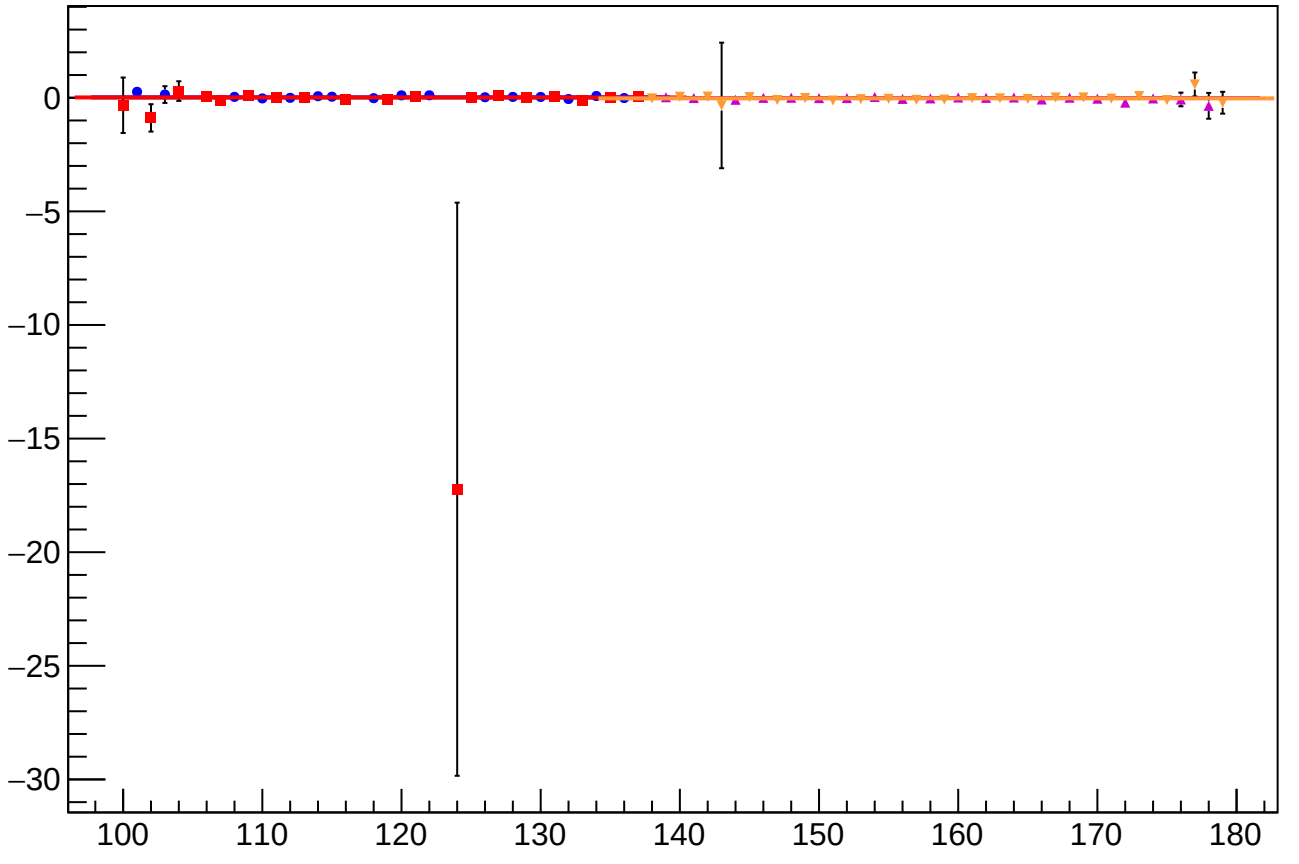
+ sign 33.013+/-0.006 χ^2/NDF: 10383887.1/37

All: 32.943+/-0.004 χ^2/NDF: 19291746.8/76

- sign 32.872+/-0.006 χ^2/NDF: 8907561.1/38


asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.12
0.1
0.08
0.06
0.04
0.02
0
−0.02
−0.04
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 19.1/15
Left Out: 0.000+/-0.000 χ²/NDF:33.5/21
Right Out: -0.000+/-0.000 χ²/NDF: 18.1/18
Left In: 0.000+/-0.000 χ²/NDF:12.7/19
+ sign 0.000+/-0.000 χ²/NDF: 52.9/37
All: 0.000+/-0.000 χ²/NDF: 84.1/76
- sign 0.000+/-0.000 χ²/NDF: 31.2/38


asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
160
170
180
Right In: 0.002+/-0.000 χ²/NDF: 4721602.1/15
Left Out: 0.003+/-0.000 χ²/NDF:7872903.5/21
Right Out: 0.003+/-0.000 χ²/NDF: 3397462.9/18
Left In: 0.002+/-0.000 χ²/NDF:7615566.6/19
+ sign 0.003+/-0.000 χ²/NDF: 12819185.6/37
All: 0.003+/-0.000 χ²/NDF: 23908327.2/76
- sign 0.002+/-0.000 χ²/NDF: 11014126.3/38



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.027+/-0.010 χ^2/NDF:25.3/21

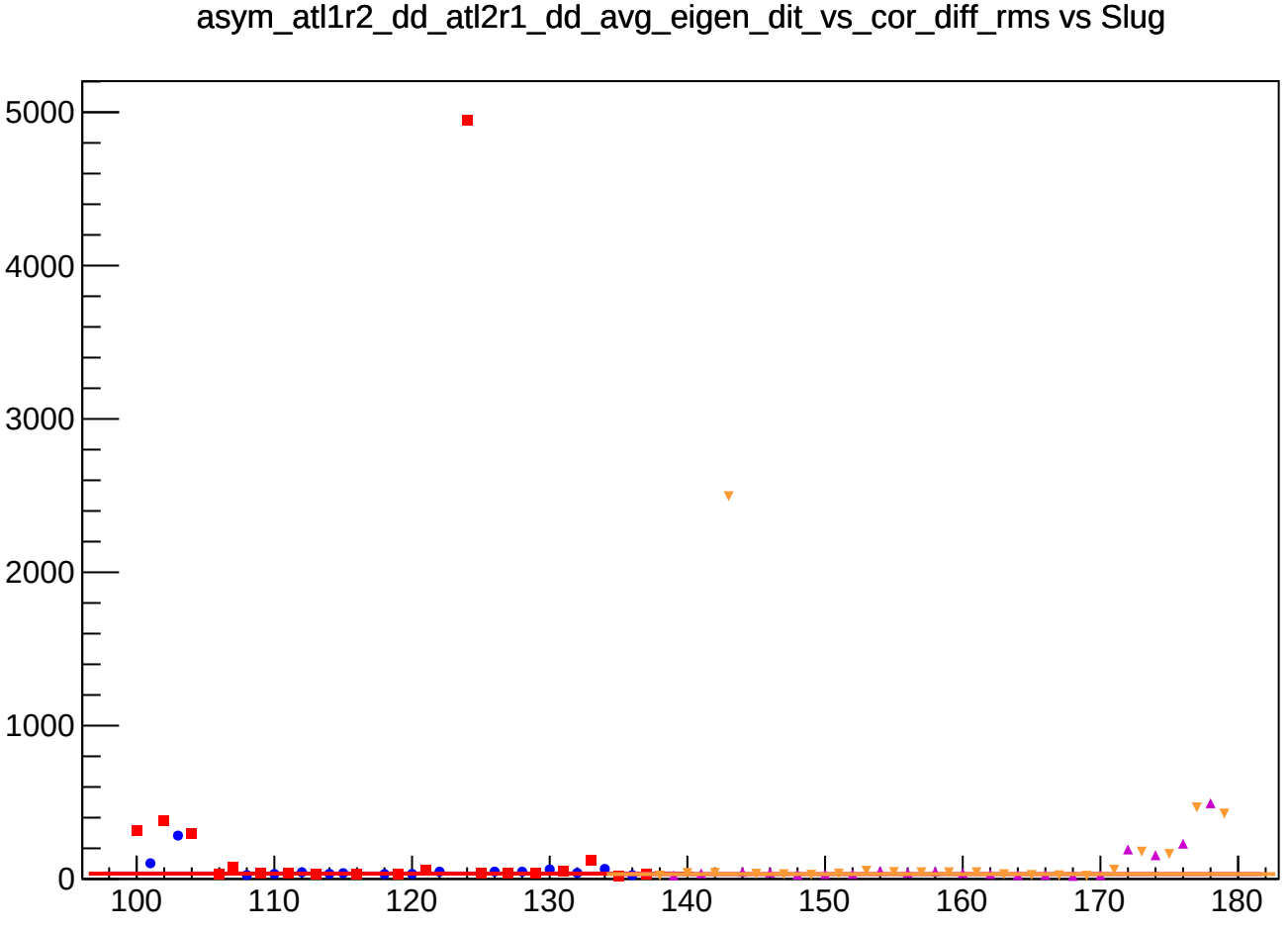
Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.012+/-0.010 χ^2/NDF:11.1/19

+ sign -0.015+/-0.008 χ^2/NDF: 42.7/37

All: -0.010+/-0.006 χ^2/NDF: 72.5/76

- sign -0.005+/-0.008 χ^2/NDF: 29.0/38



Right In: 35.743+/-0.011 χ^2/NDF: 2264513.9/15

Left Out: 31.974+/-0.007 χ^2/NDF:8033157.1/21

Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

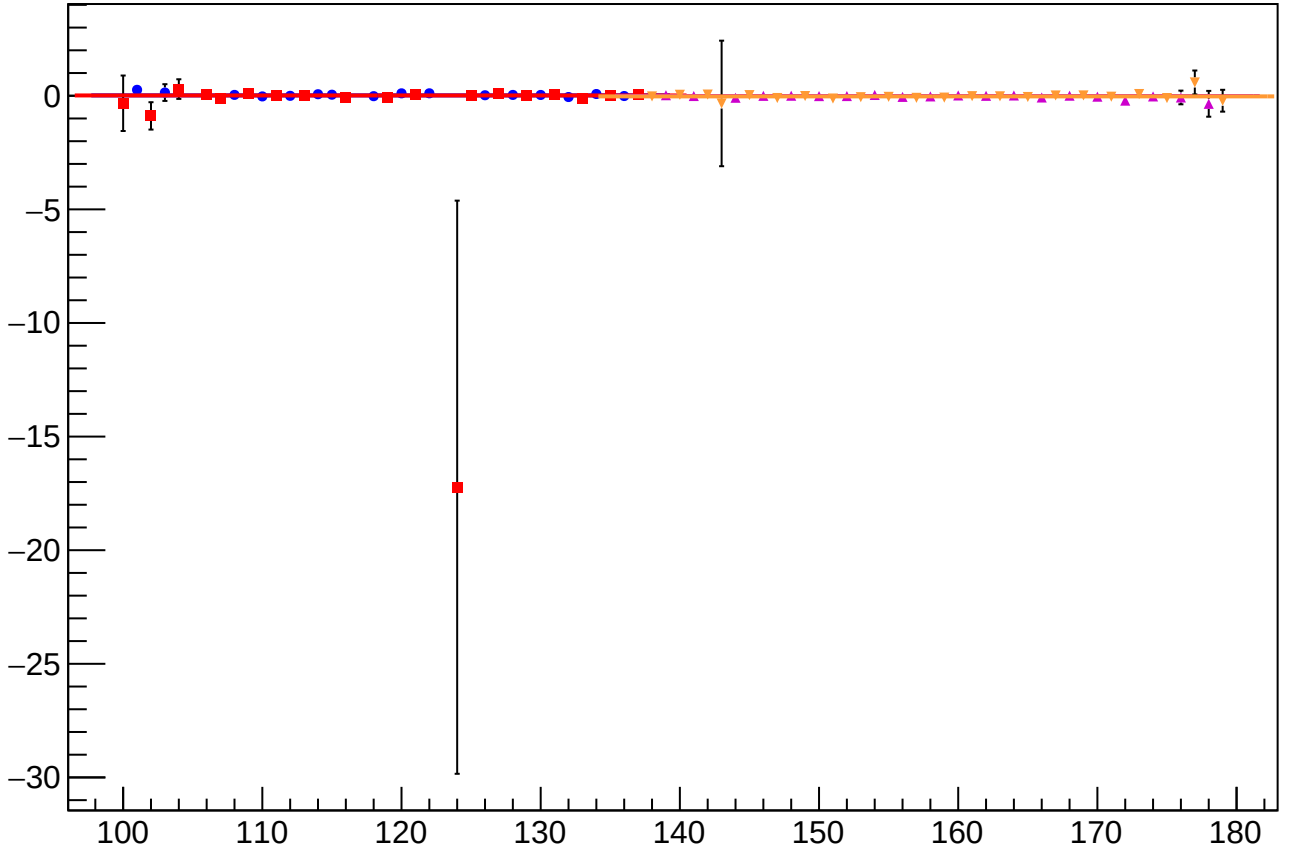
Left In: 32.157+/-0.007 χ^2/NDF:5952417.1/19

+ sign 33.013+/-0.006 χ^2/NDF: 10383940.6/37

All: 32.942+/-0.004 χ^2/NDF: 19292302.1/76

- sign 32.872+/-0.006 χ^2/NDF: 8908058.8/38

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.027+/-0.010 χ^2/NDF:25.3/21

Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

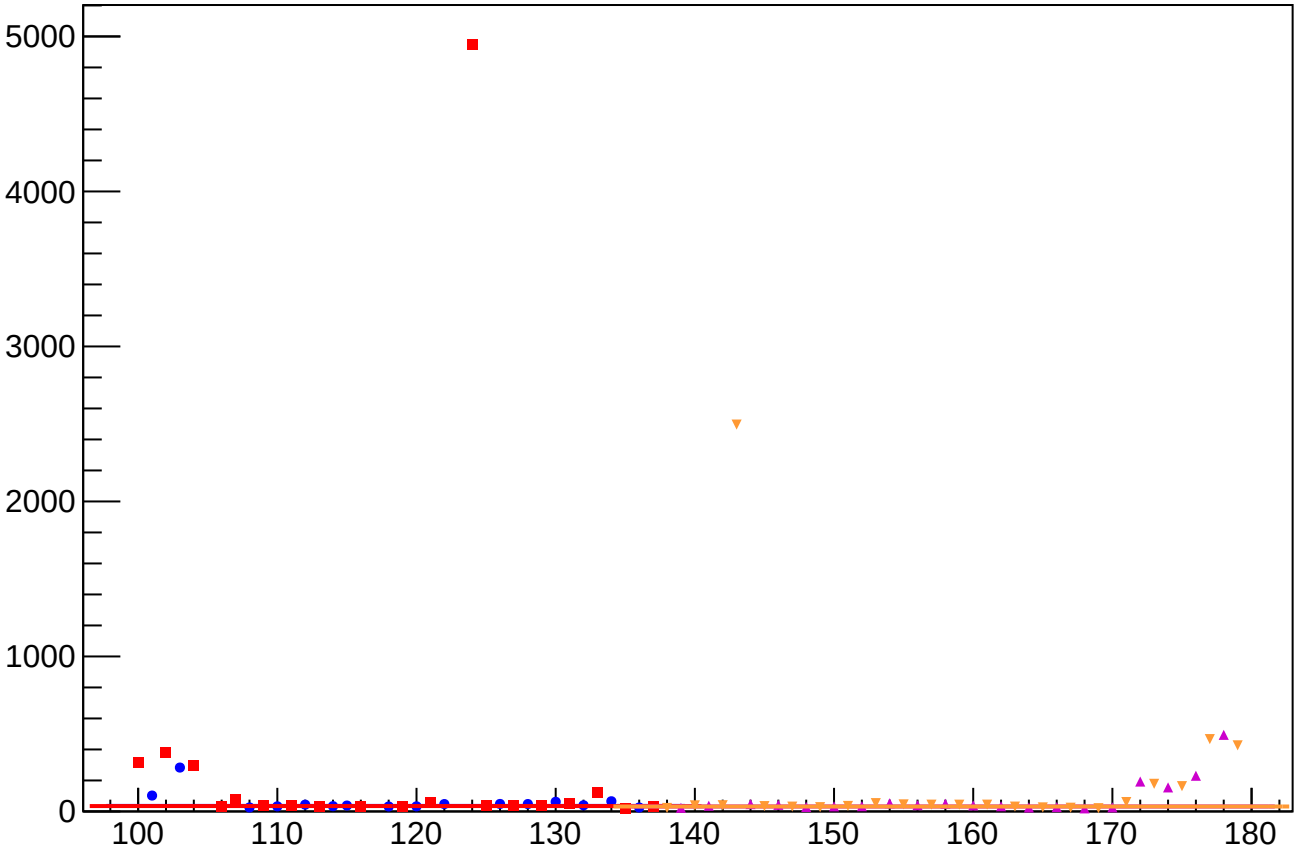
Left In: -0.012+/-0.010 χ^2/NDF:11.1/19

+ sign -0.015+/-0.008 χ^2/NDF: 42.7/37

All: -0.010+/-0.006 χ^2/NDF: 72.5/76

- sign -0.005+/-0.008 χ^2/NDF: 29.0/38

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 35.743+/-0.011 χ^2/NDF: 2264513.9/15

Left Out: 31.974+/-0.007 χ^2/NDF:8033157.1/21

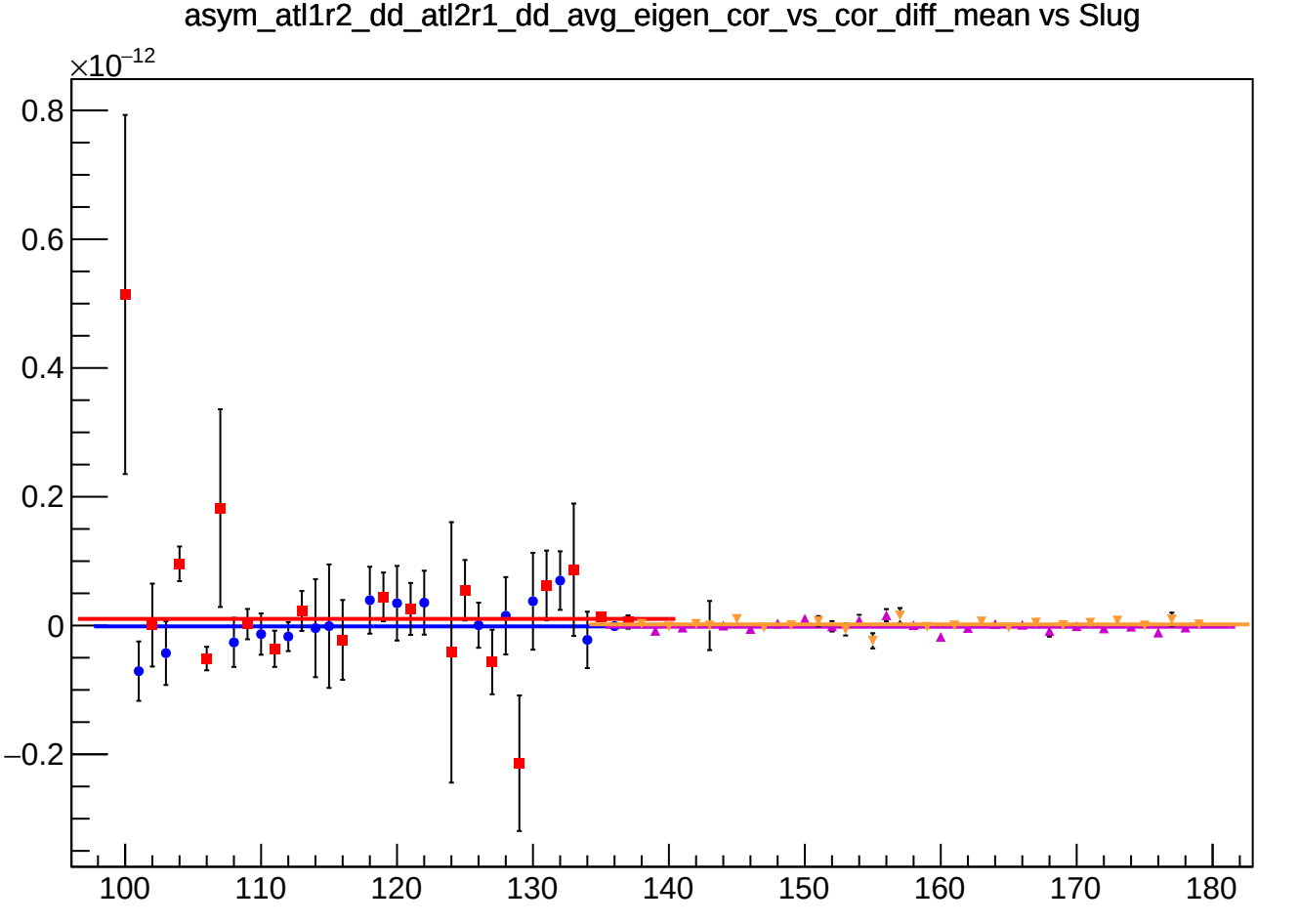
Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 32.157+/-0.007 χ^2/NDF:5952417.1/19

+ sign 33.013+/-0.006 χ^2/NDF: 10383940.6/37

All: 32.942+/-0.004 χ^2/NDF: 19292302.1/76

- sign 32.872+/-0.006 χ^2/NDF: 8908058.8/38



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.5/21

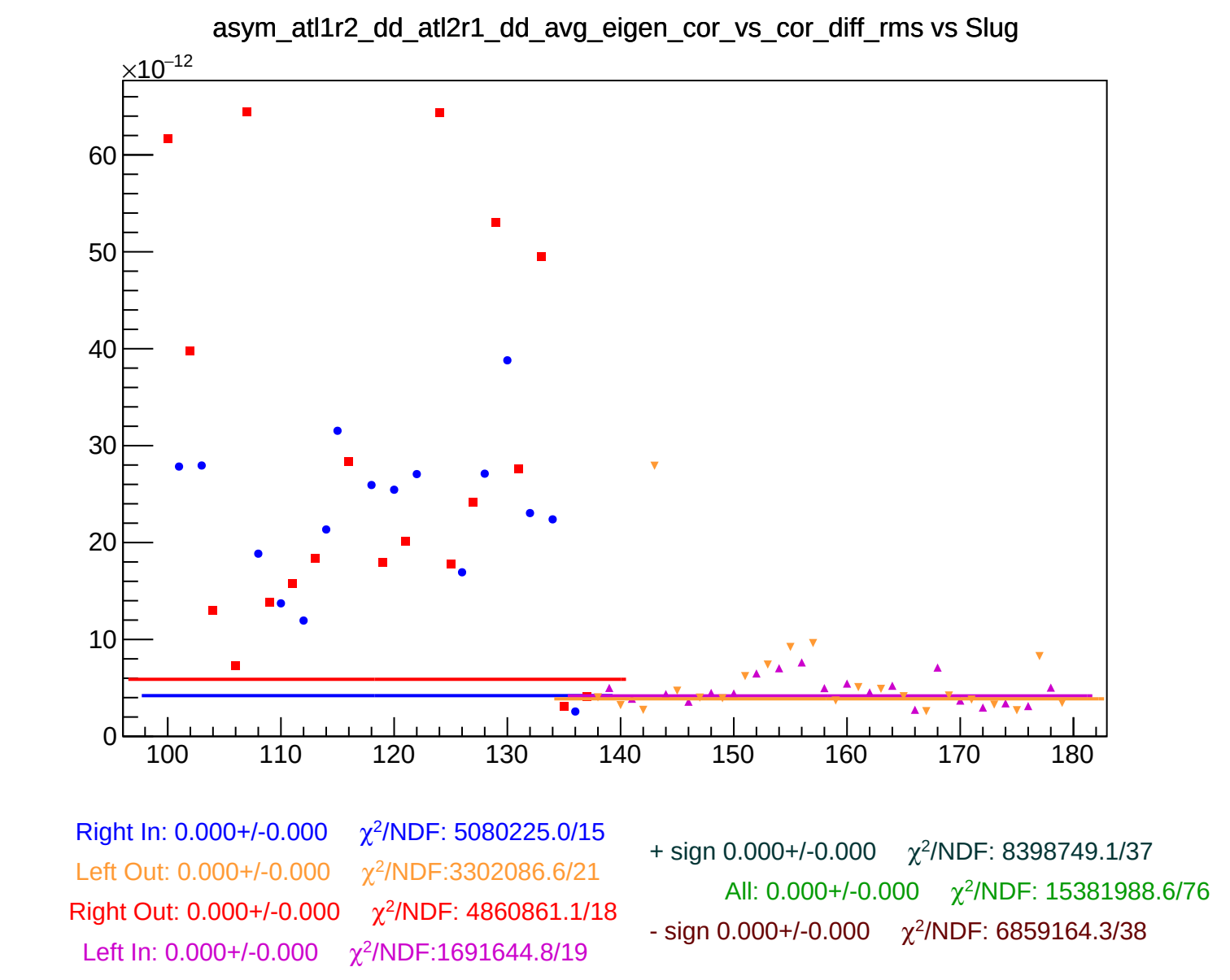
Right Out: 0.000+/-0.000 χ^2/NDF: 39.9/18

Left In: -0.000+/-0.000 χ^2/NDF:23.0/19

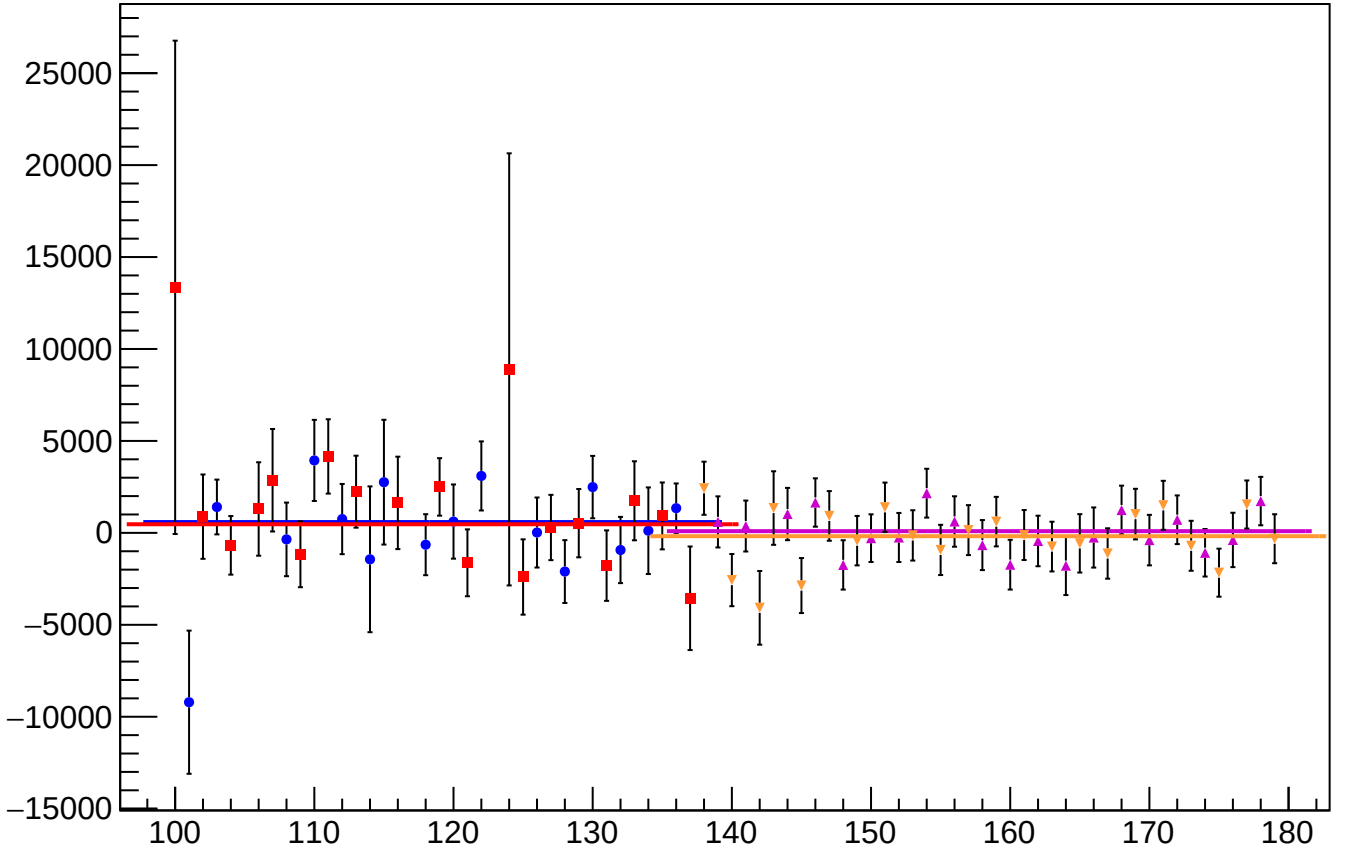
+ sign 0.000+/-0.000 χ^2/NDF: 24.8/37

All: 0.000+/-0.000 χ^2/NDF: 97.3/76

- sign -0.000+/-0.000 χ^2/NDF: 70.6/38


asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
60
50
40
30
20
10
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 5080225.0/15
Left Out: 0.000+/-0.000 χ²/NDF:3302086.6/21
Right Out: 0.000+/-0.000 χ²/NDF: 4860861.1/18
Left In: 0.000+/-0.000 χ²/NDF:1691644.8/19
+ sign 0.000+/-0.000 χ²/NDF: 8398749.1/37
All: 0.000+/-0.000 χ²/NDF: 15381988.6/76
- sign 0.000+/-0.000 χ²/NDF: 6859164.3/38

reg_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 586.935+/-482.434 χ^2/NDF: 17.1/15

Left Out: -181.648+/-299.752 χ^2/NDF:23.7/21

Right Out: 469.012+/-480.516 χ^2/NDF: 16.9/18

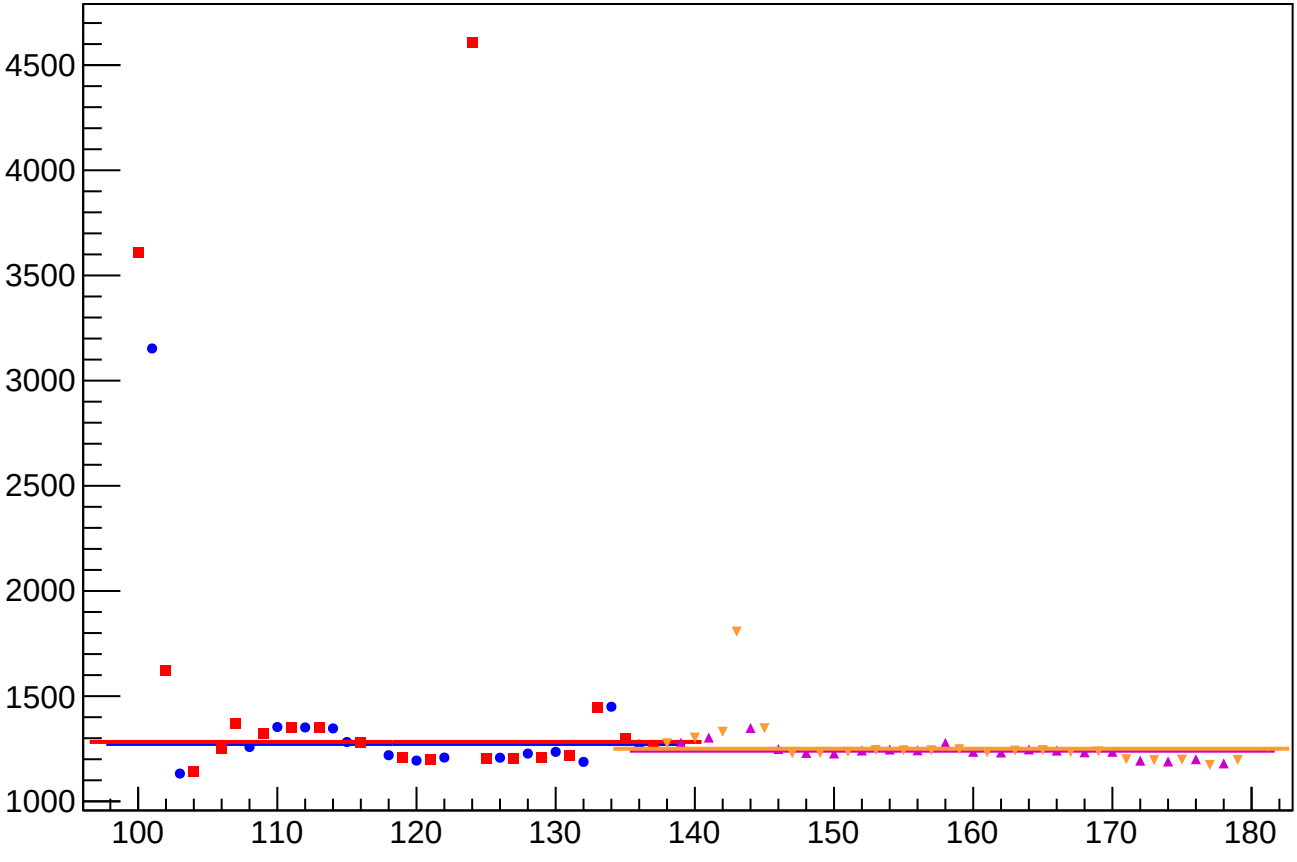
Left In: 92.918+/-307.018 χ^2/NDF:13.9/19

+ sign 32.423+/-254.608 χ^2/NDF: 42.6/37

All: 115.827+/-181.470 χ^2/NDF: 74.0/76

- sign 201.945+/-258.718 χ^2/NDF: 31.2/38

reg_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1272.804+/-0.341 χ^2/NDF: 519298.2/15

Left Out: 1250.141+/-0.212 χ^2/NDF:191762.2/21

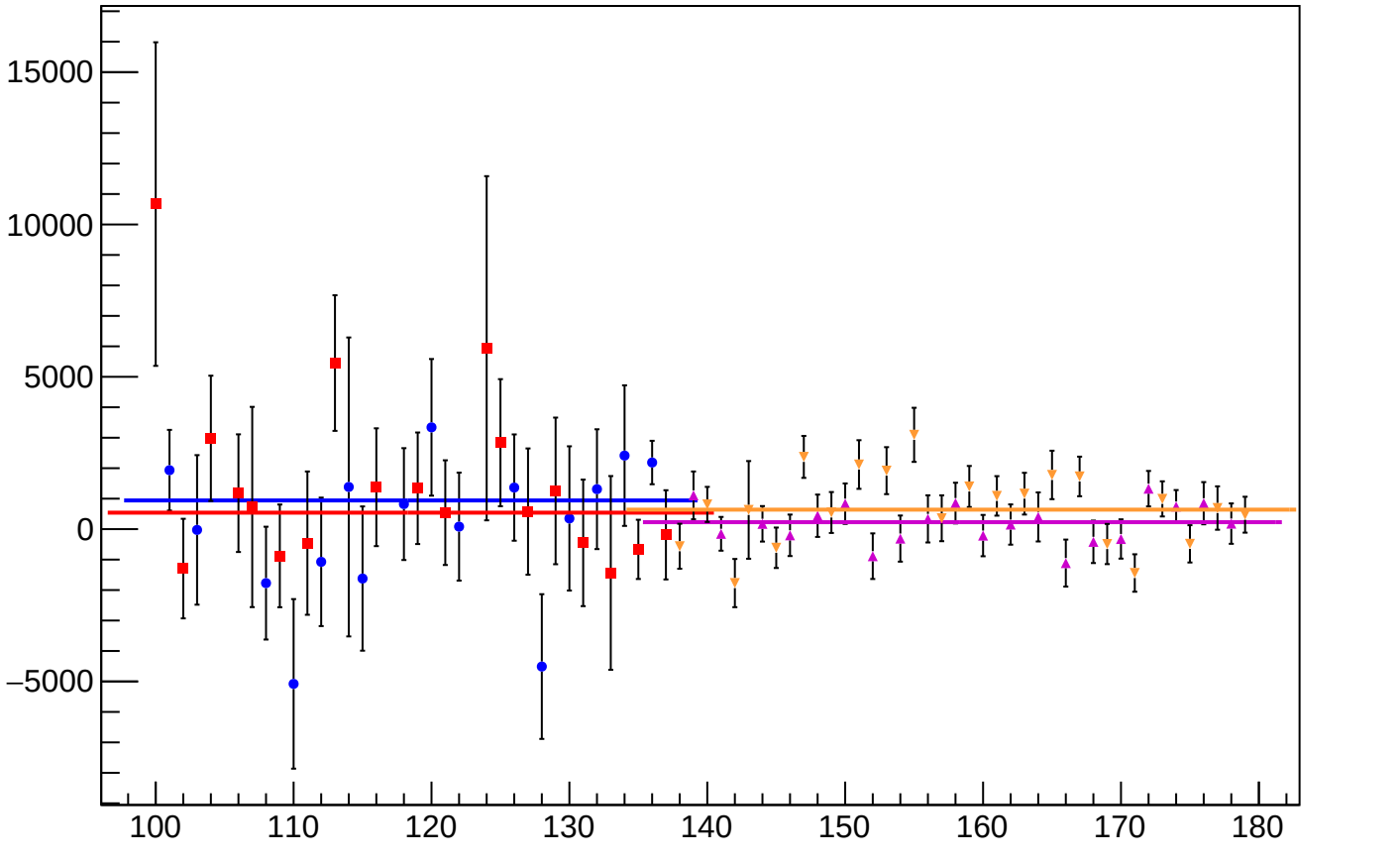
Right Out: 1282.365+/-0.340 χ^2/NDF: 322078.6/18

Left In: 1240.677+/-0.217 χ^2/NDF:30617.4/19

+ sign 1256.453+/-0.180 χ^2/NDF: 714244.8/37

All: 1254.637+/-0.128 χ^2/NDF: 1077837.3/76

- sign 1252.762+/-0.183 χ^2/NDF: 363385.7/38



Right In: 941.759+/-425.837 χ^2/NDF: 19.9/15

Left Out: 639.461+/-147.684 χ^2/NDF:61.3/21

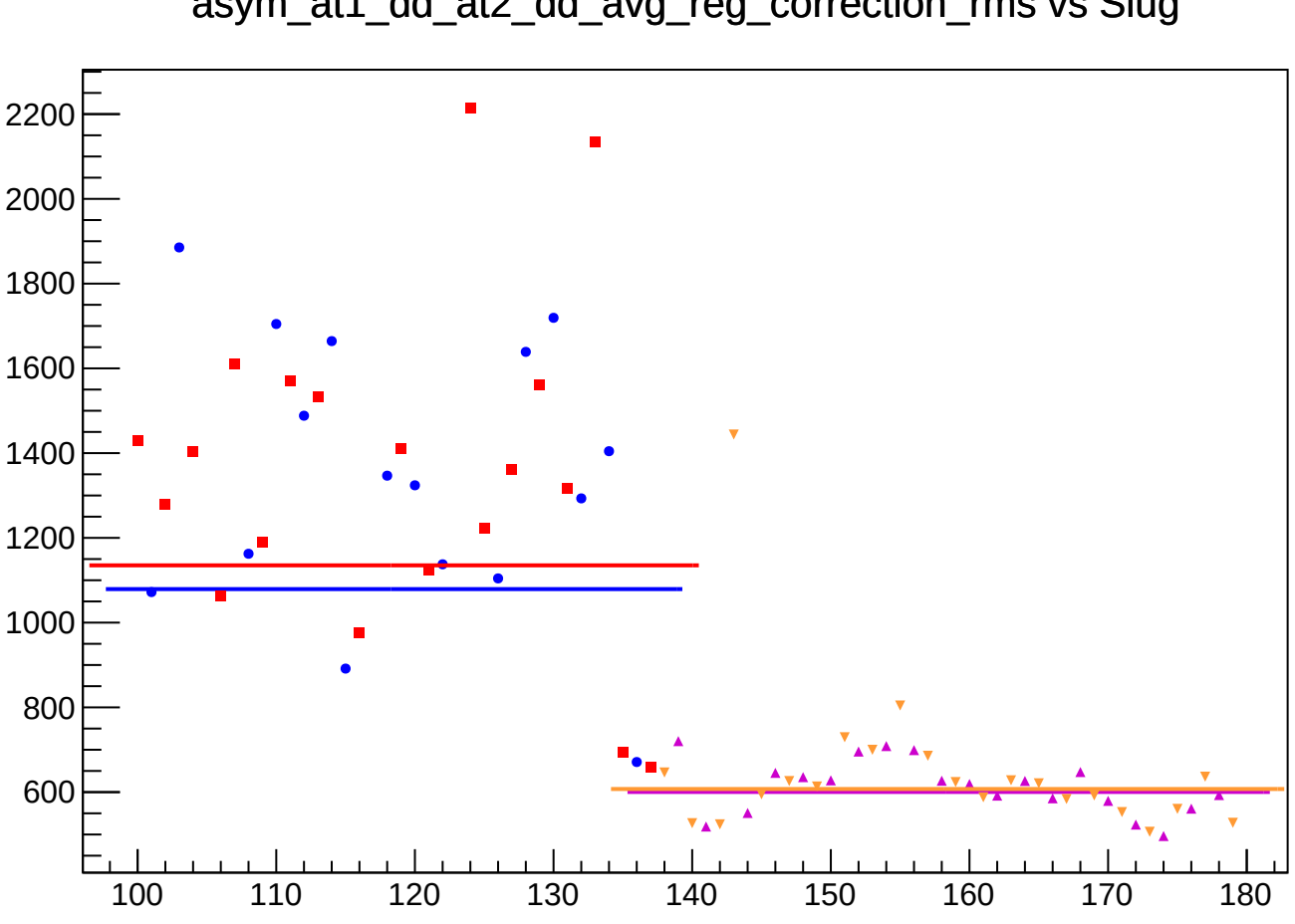
Right Out: 540.622+/-439.905 χ^2/NDF: 17.2/18

Left In: 228.064+/-149.657 χ^2/NDF:17.1/19

+ sign 671.916+/-139.531 χ^2/NDF: 81.7/37

All: 469.350+/-99.415 χ^2/NDF: 120.6/76

- sign 260.487+/-141.683 χ^2/NDF: 34.7/38



Right In: 1079.120+/-0.301 χ^2/NDF: 1482232.0/15

Left Out: 607.354+/-0.104 χ^2/NDF:947145.7/21

Right Out: 1135.161+/-0.311 χ^2/NDF: 1293082.2/18

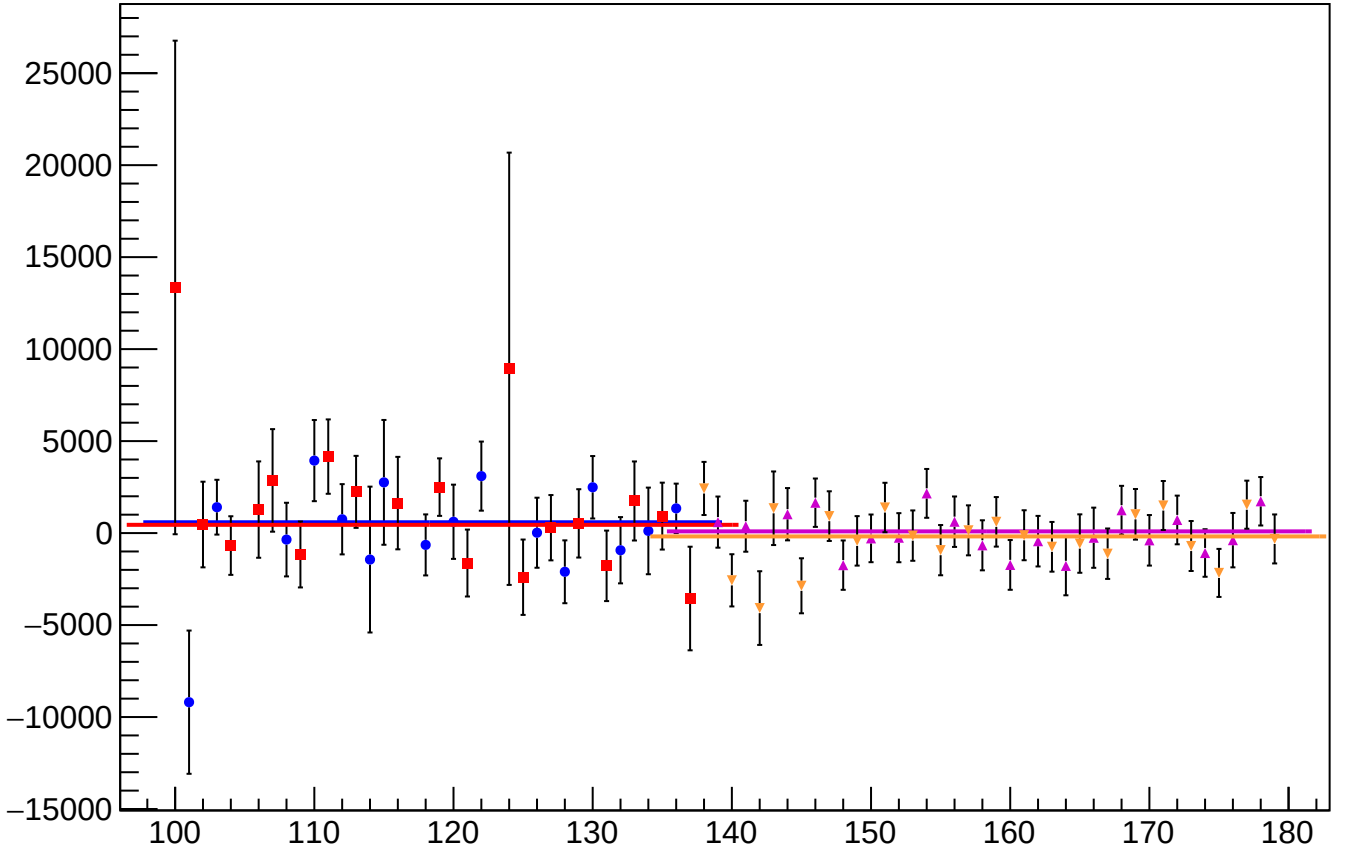
Left In: 600.408+/-0.106 χ^2/NDF:362658.3/19

\+ sign 658.004+/-0.099 χ^2/NDF: 4620524.0/37

All: 656.958+/-0.070 χ^2/NDF: 8925336.2/76

\- sign 655.879+/-0.100 χ^2/NDF: 4304583.8/38

cor_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -181.681+/-299.752 χ^2/NDF:23.7/21

Right Out: 448.412+/-481.333 χ^2/NDF: 16.8/18

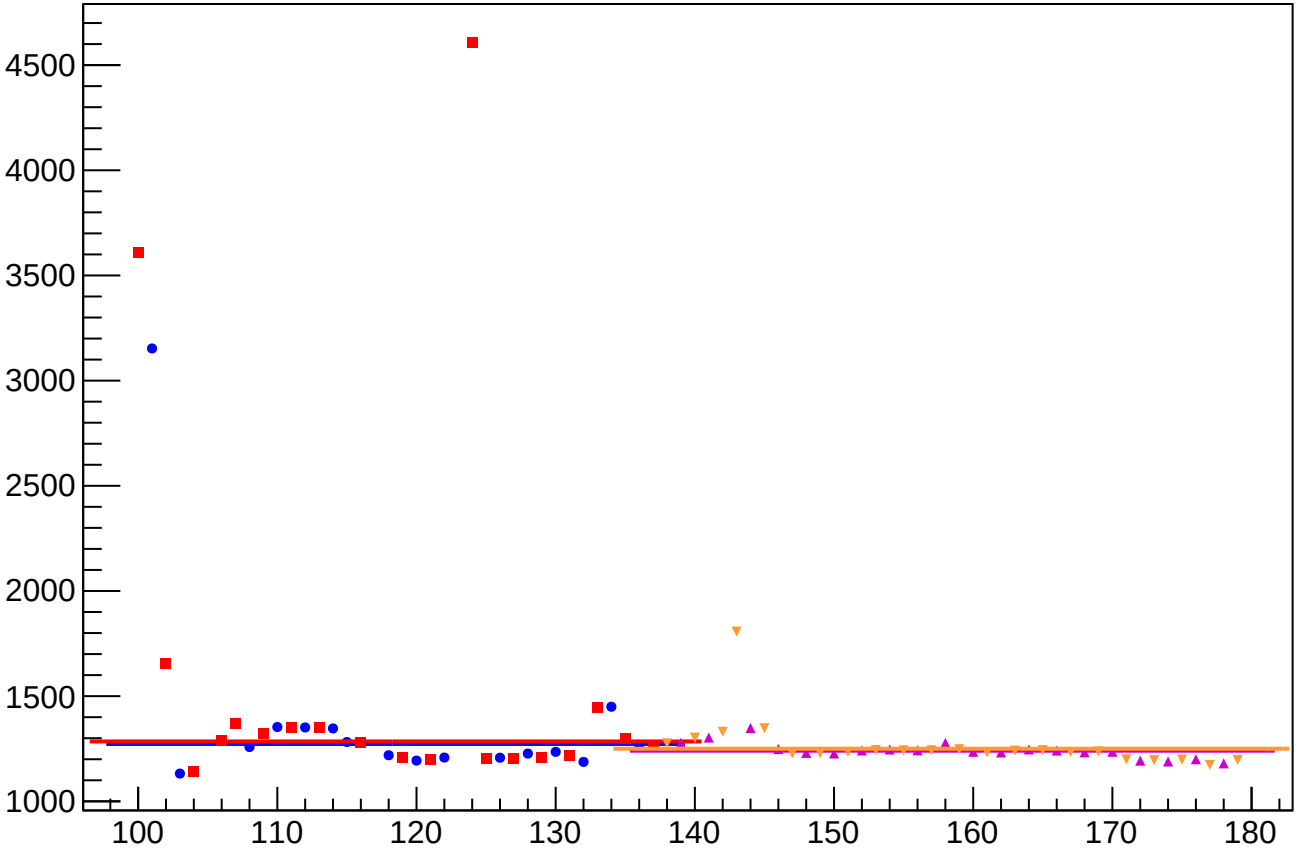
Left In: 92.963+/-307.018 χ^2/NDF:13.9/19

+ sign 32.488+/-254.608 χ^2/NDF: 42.6/37

All: 112.775+/-181.514 χ^2/NDF: 73.9/76

- sign 195.757+/-258.845 χ^2/NDF: 31.1/38

cor_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1250.141+/-0.212 χ^2/NDF:191762.2/21

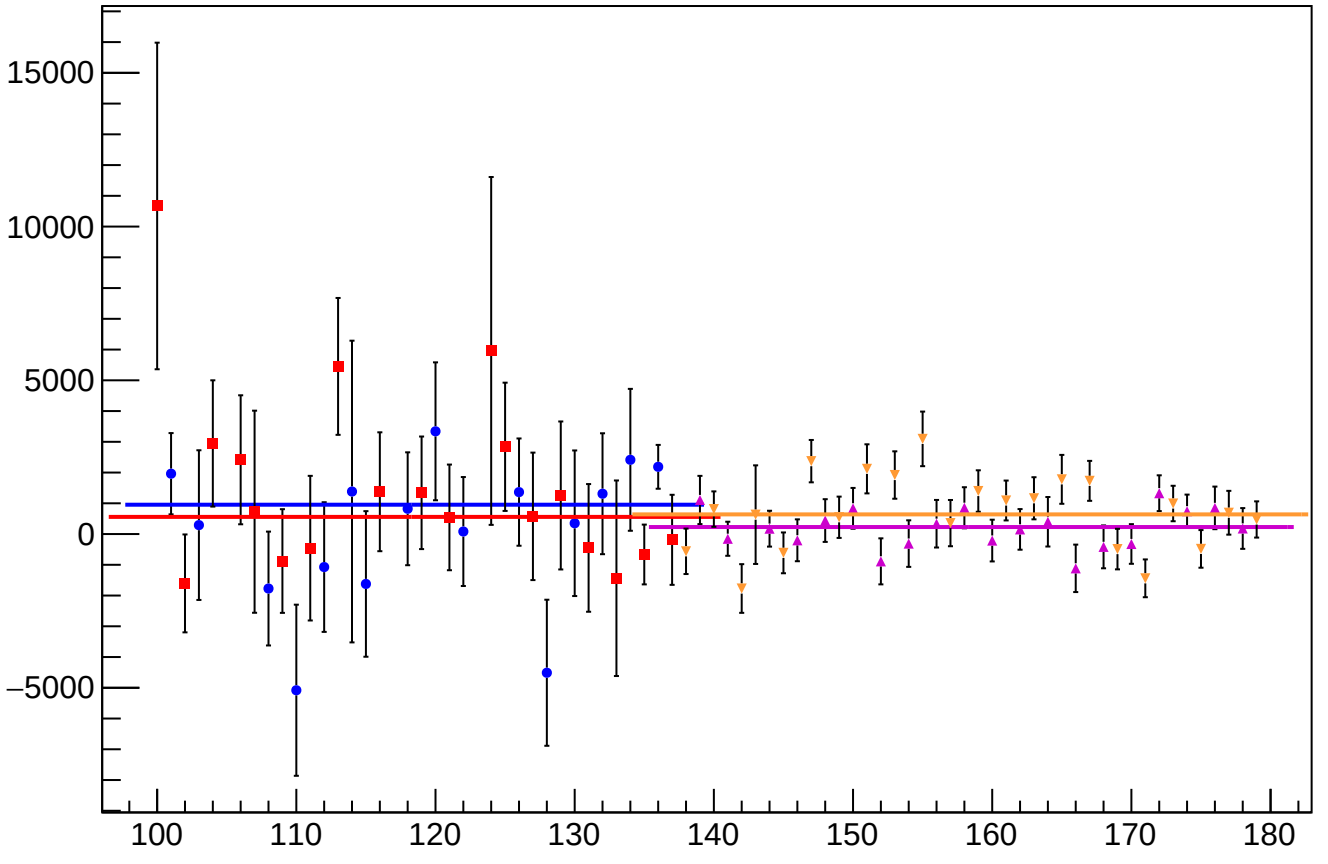
Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1240.677+/-0.217 χ^2/NDF:30617.4/19

+ sign 1256.453+/-0.180 χ^2/NDF: 714246.2/37

All: 1254.949+/-0.128 χ^2/NDF: 1085607.6/76

- sign 1253.395+/-0.183 χ^2/NDF: 371219.5/38



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 639.504+/-147.684 χ^2/NDF:61.3/21

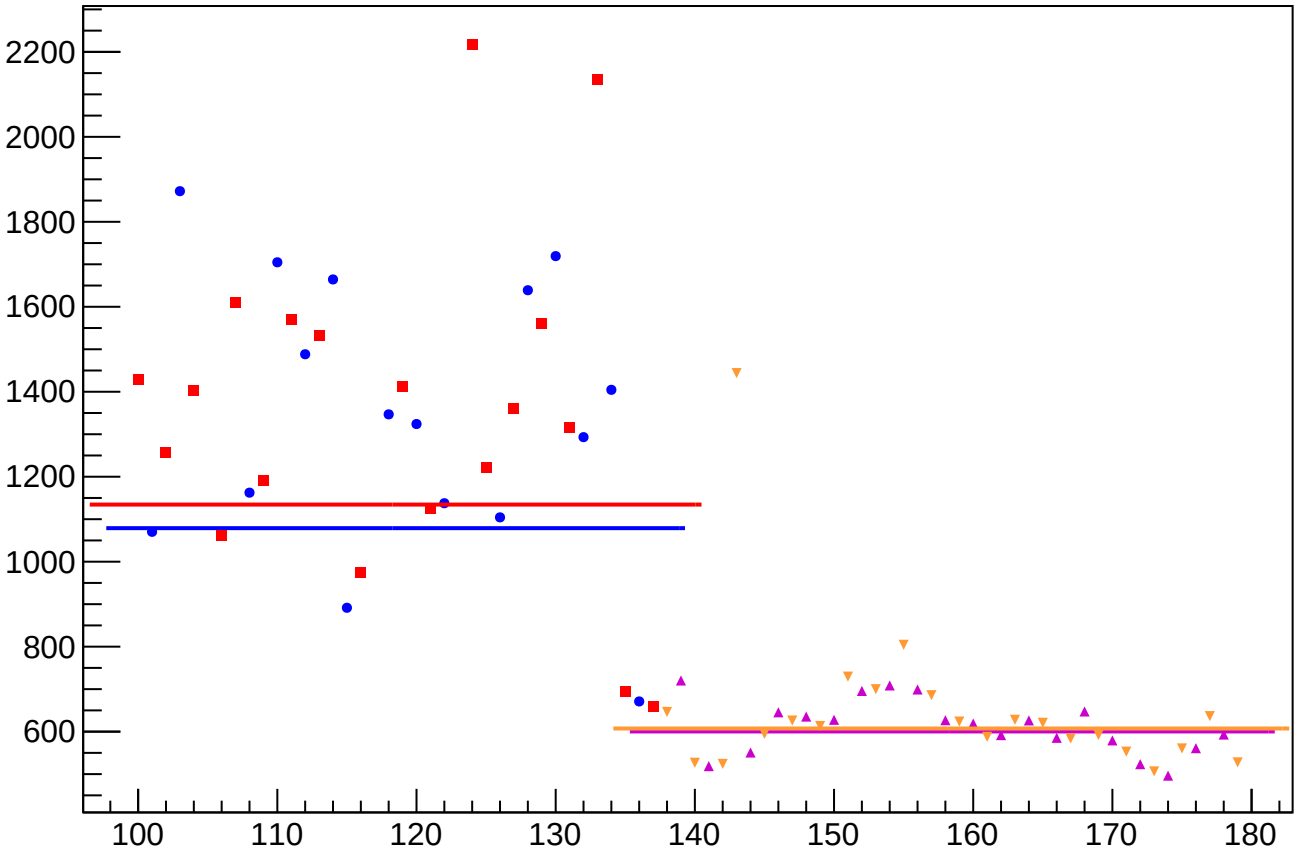
Right Out: 557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: 228.055+/-149.657 χ^2/NDF:17.1/19

+ sign 673.310+/-139.525 χ^2/NDF: 81.6/37

All: 470.928+/-99.423 χ^2/NDF: 121.9/76

- sign 262.156+/-141.710 χ^2/NDF: 36.0/38



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 607.355+/-0.104 χ^2/NDF:947134.5/21

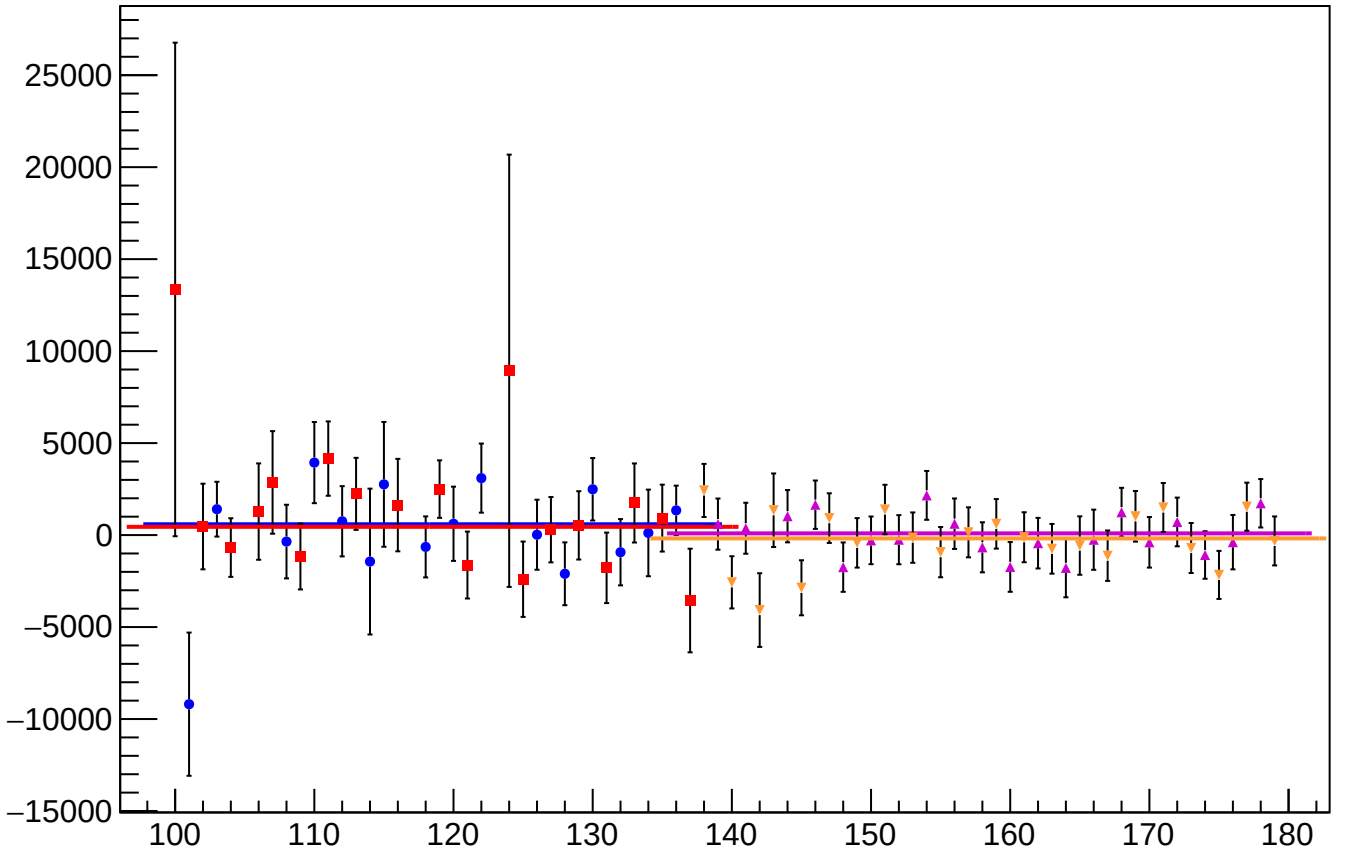
Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 600.404+/-0.106 χ^2/NDF:362683.1/19

+ sign 658.022+/-0.099 χ^2/NDF: 4616870.1/37

All: 656.834+/-0.070 χ^2/NDF: 8901211.7/76

- sign 655.608+/-0.100 χ^2/NDF: 4284046.8/38



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -181.681+/-299.752 χ^2/NDF:23.7/21

Right Out: 448.412+/-481.333 χ^2/NDF: 16.8/18

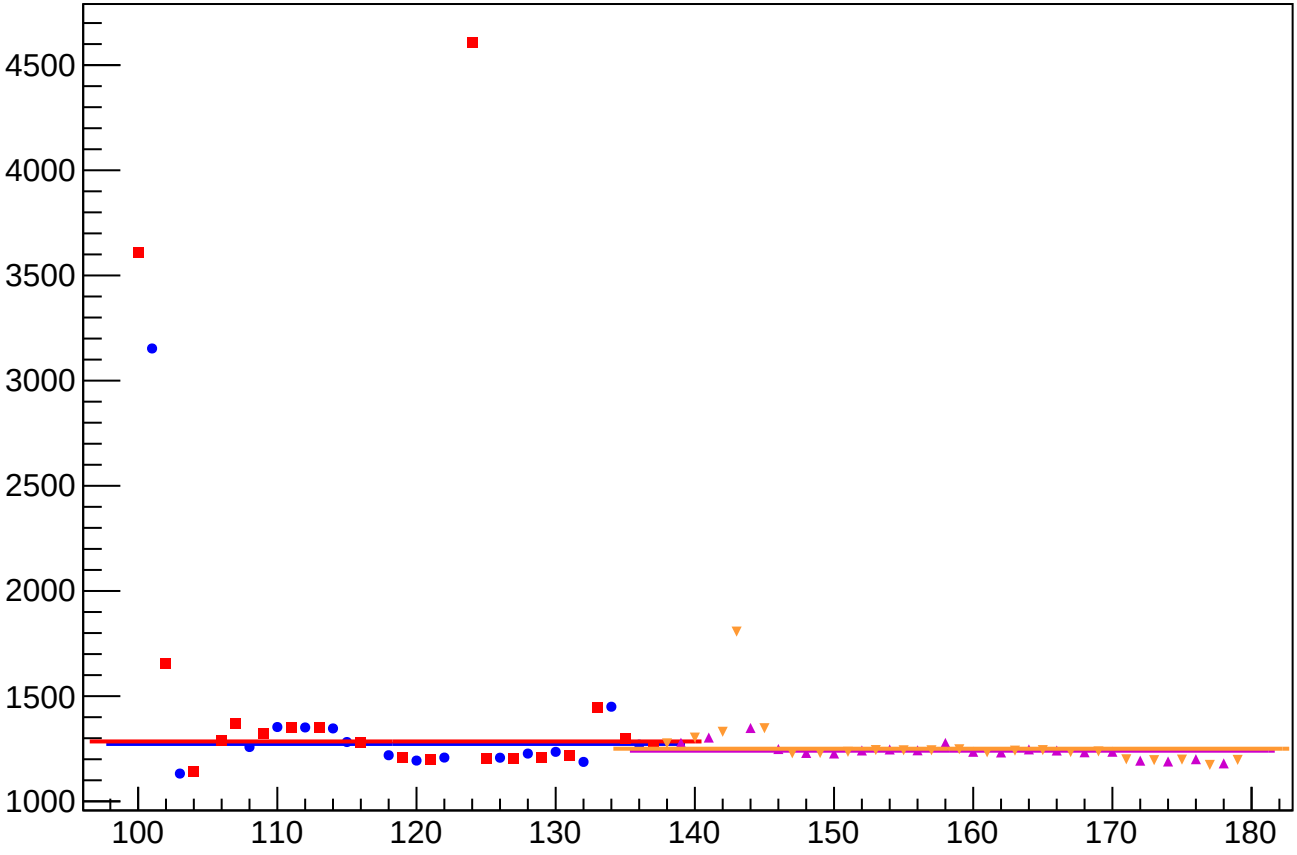
Left In: 92.963+/-307.018 χ^2/NDF:13.9/19

\+ sign 32.488+/-254.608 χ^2/NDF: 42.6/37

All: 112.775+/-181.514 χ^2/NDF: 73.9/76

\- sign 195.757+/-258.845 χ^2/NDF: 31.1/38

eigen_cor_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1250.141+/-0.212 χ^2/NDF:191762.2/21

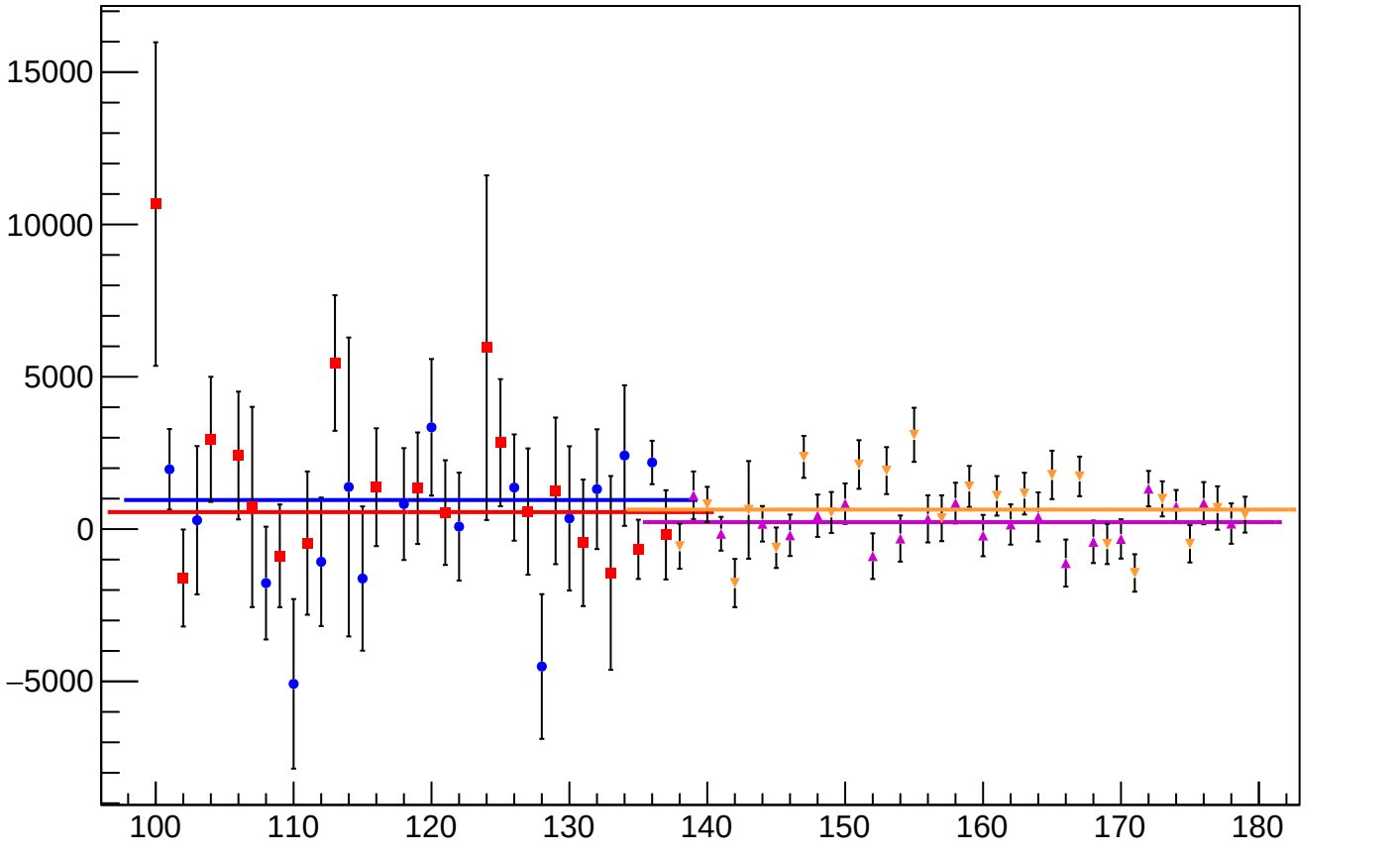
Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1240.677+/-0.217 χ^2/NDF:30617.4/19

+ sign 1256.453+/-0.180 χ^2/NDF: 714246.2/37

All: 1254.949+/-0.128 χ^2/NDF: 1085607.6/76

- sign 1253.395+/-0.183 χ^2/NDF: 371219.5/38



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 639.504+/-147.684 χ^2/NDF:61.3/21

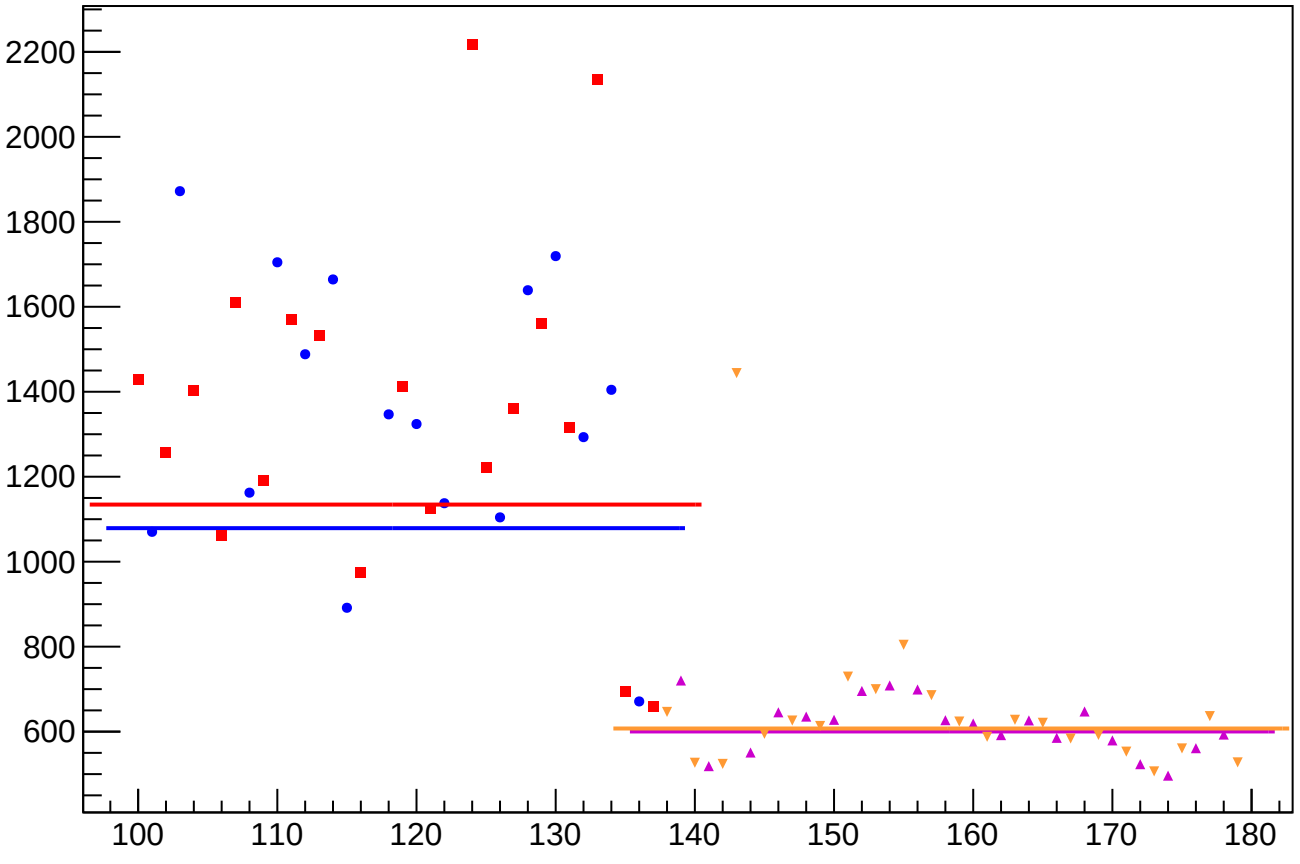
Right Out: 557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: 228.055+/-149.657 χ^2/NDF:17.1/19

+ sign 673.310+/-139.525 χ^2/NDF: 81.6/37

All: 470.928+/-99.423 χ^2/NDF: 121.9/76

- sign 262.156+/-141.710 χ^2/NDF: 36.0/38



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 607.355+/-0.104 χ^2/NDF:947134.5/21

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

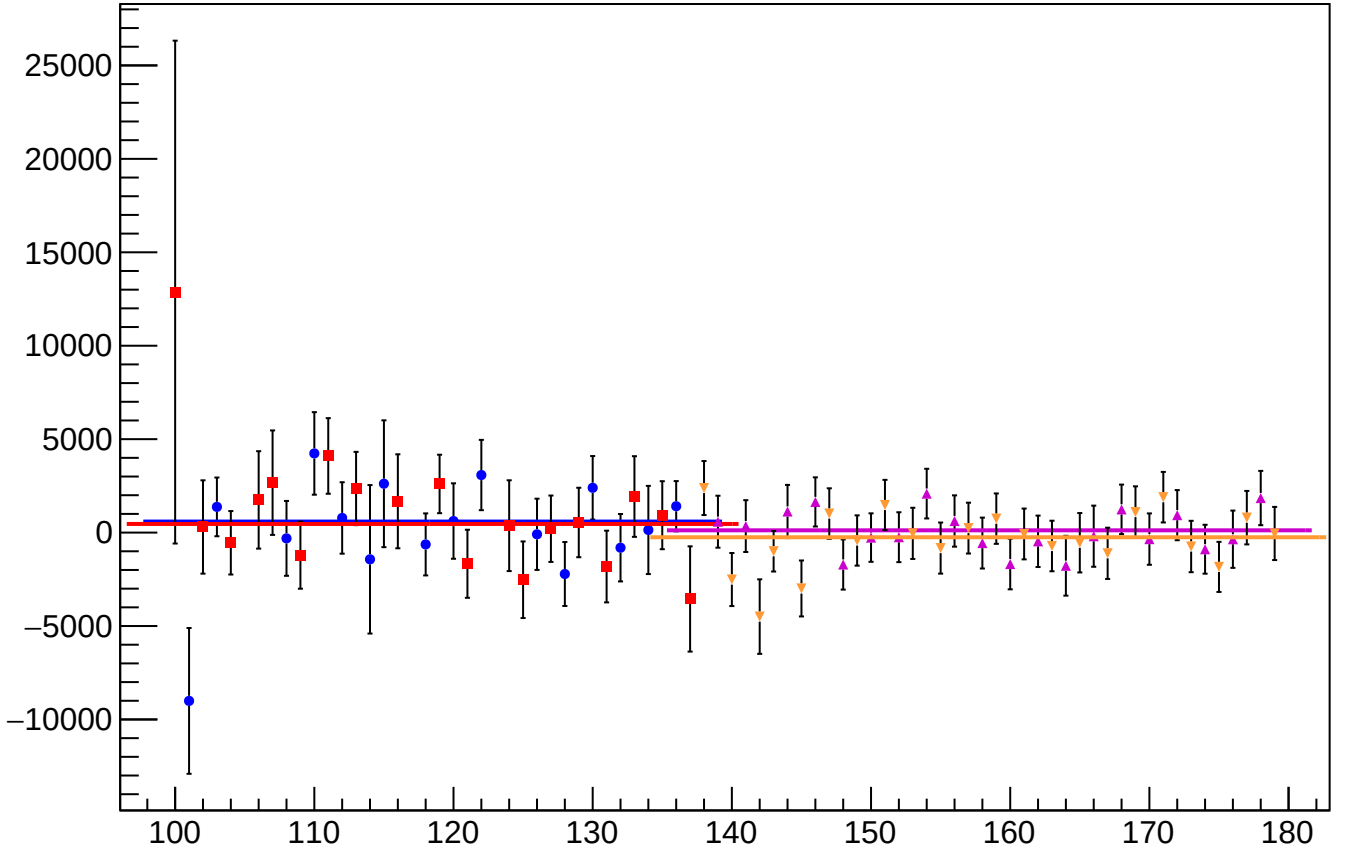
Left In: 600.404+/-0.106 χ^2/NDF:362683.1/19

+ sign 658.022+/-0.099 χ^2/NDF: 4616870.1/37

All: 656.834+/-0.070 χ^2/NDF: 8901211.7/76

- sign 655.608+/-0.100 χ^2/NDF: 4284046.8/38

dit_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 590.322+/-485.483 χ^2/NDF: 17.1/15

Left Out: -249.722+/-294.971 χ^2/NDF:23.8/21

Right Out: 462.606+/-476.795 χ^2/NDF: 16.7/18

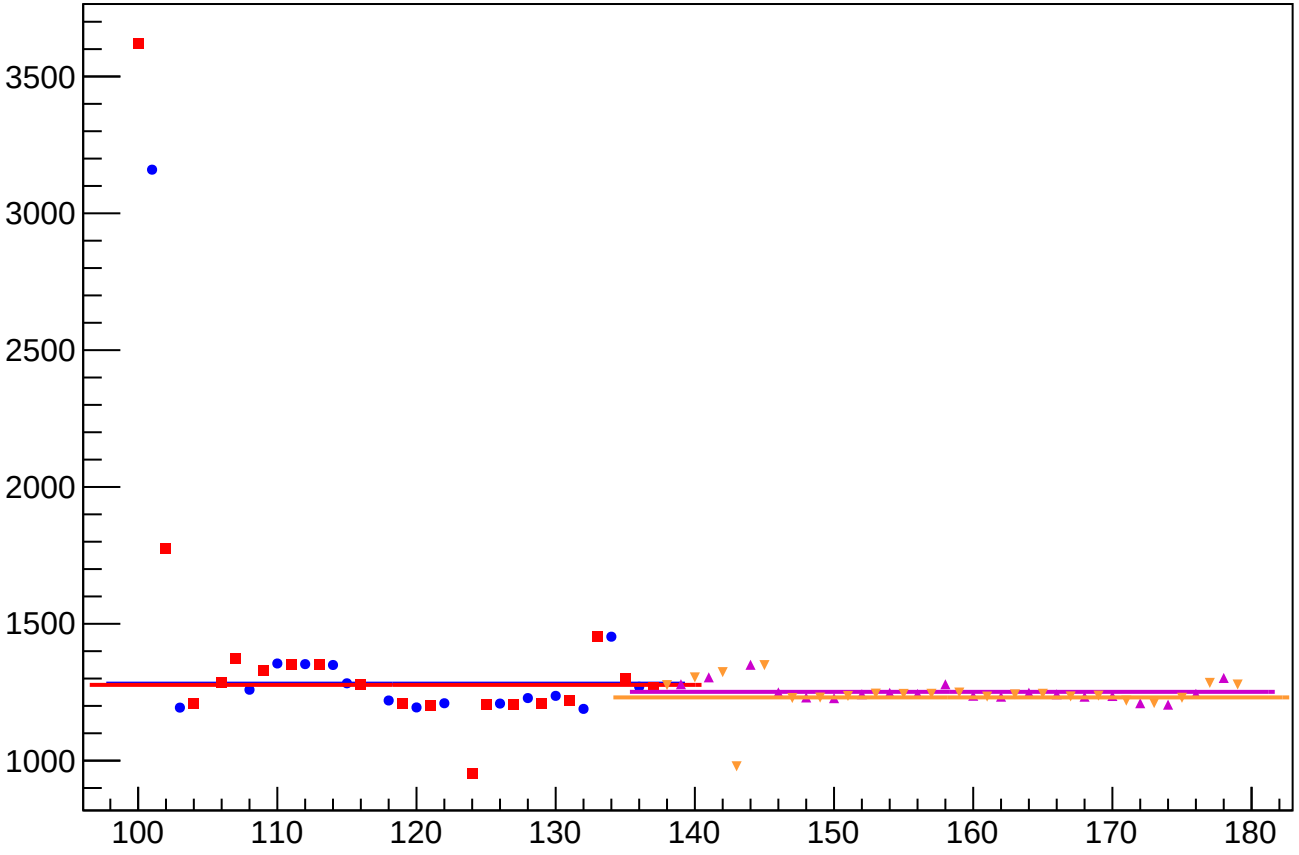
Left In: 121.738+/-309.641 χ^2/NDF:13.3/19

\+ sign -23.226+/-252.088 χ^2/NDF: 43.1/37

All: 96.162+/-180.879 χ^2/NDF: 73.9/76

\- sign 222.853+/-259.685 χ^2/NDF: 30.3/38

dit_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.4/15

Left Out: 1231.070+/-0.209 χ^2/NDF:138658.1/21

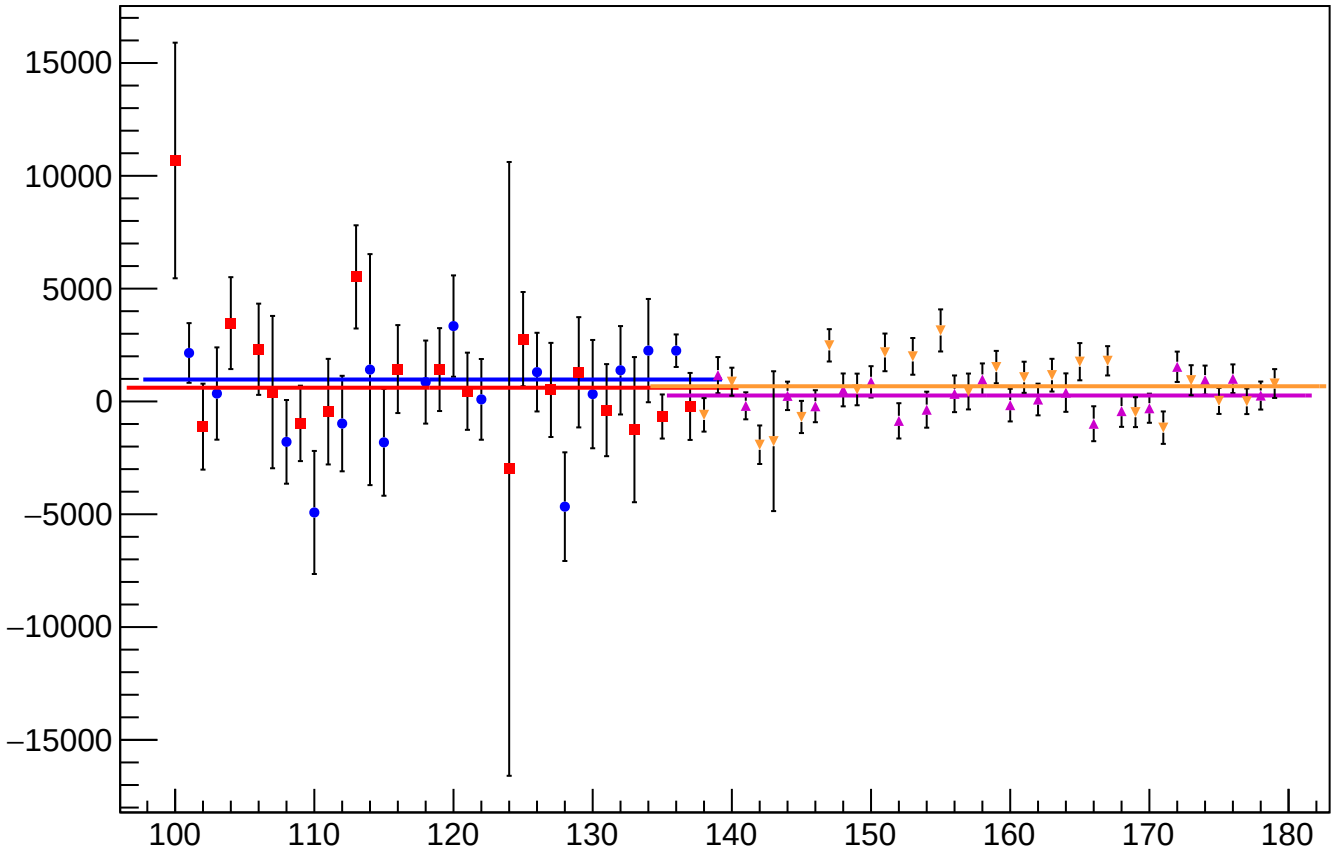
Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.6/18

Left In: 1251.373+/-0.219 χ^2/NDF:23643.4/19

+ sign 1244.632+/-0.178 χ^2/NDF: 661416.5/37

All: 1251.571+/-0.128 χ^2/NDF: 912716.3/76

- sign 1258.934+/-0.184 χ^2/NDF: 248176.5/38



Right In: 972.287+/-425.219 χ^2/NDF: 20.4/15

Left Out: 673.126+/-153.713 χ^2/NDF:55.3/21

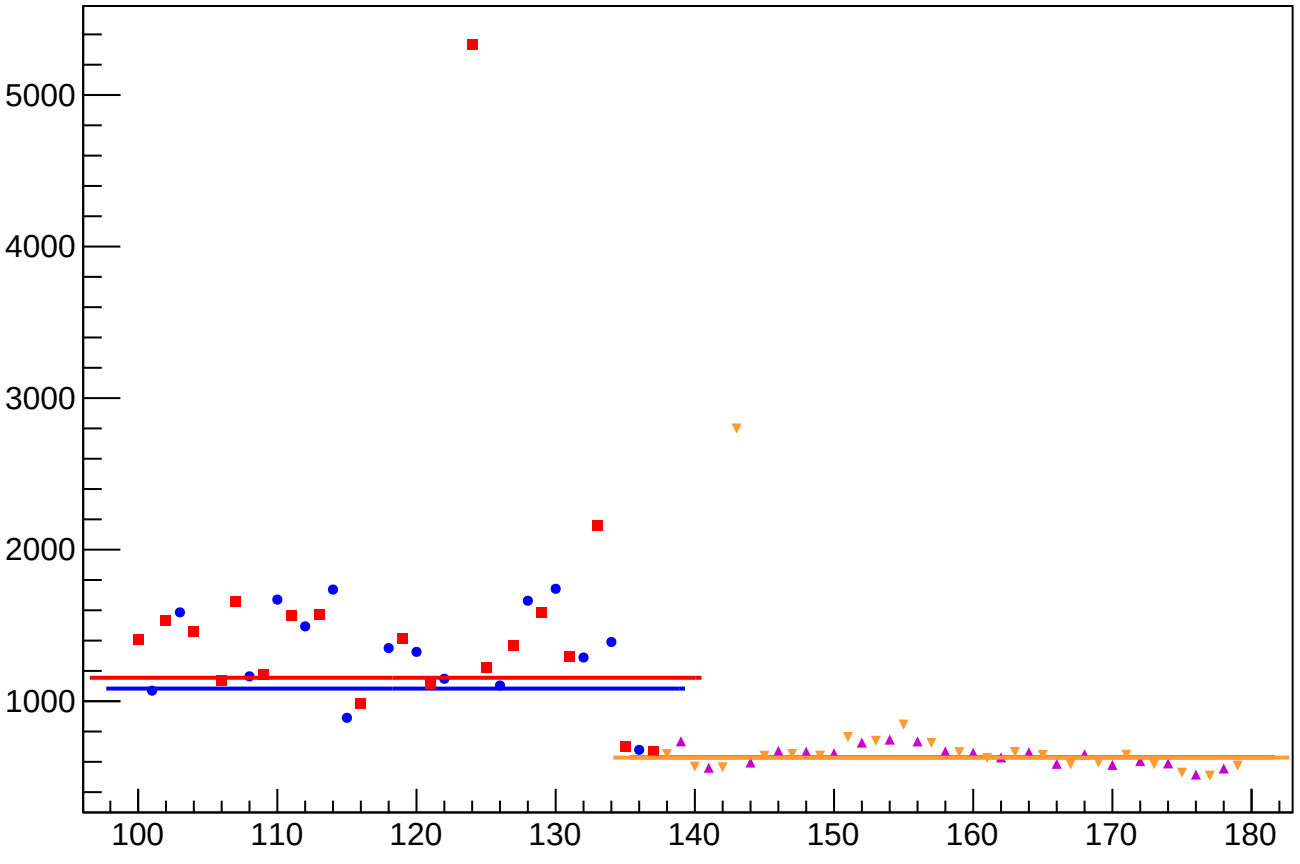
Right Out: 608.431+/-447.734 χ^2/NDF: 17.1/18

Left In: 263.517+/-156.871 χ^2/NDF:17.7/19

+ sign 707.701+/-144.558 χ^2/NDF: 76.2/37

All: 509.311+/-103.430 χ^2/NDF: 115.4/76

- sign 301.228+/-148.047 χ^2/NDF: 35.4/38



Right In: 1083.335+/-0.301 χ^2/NDF: 1360153.3/15

Left Out: 627.907+/-0.109 χ^2/NDF:1443082.4/21

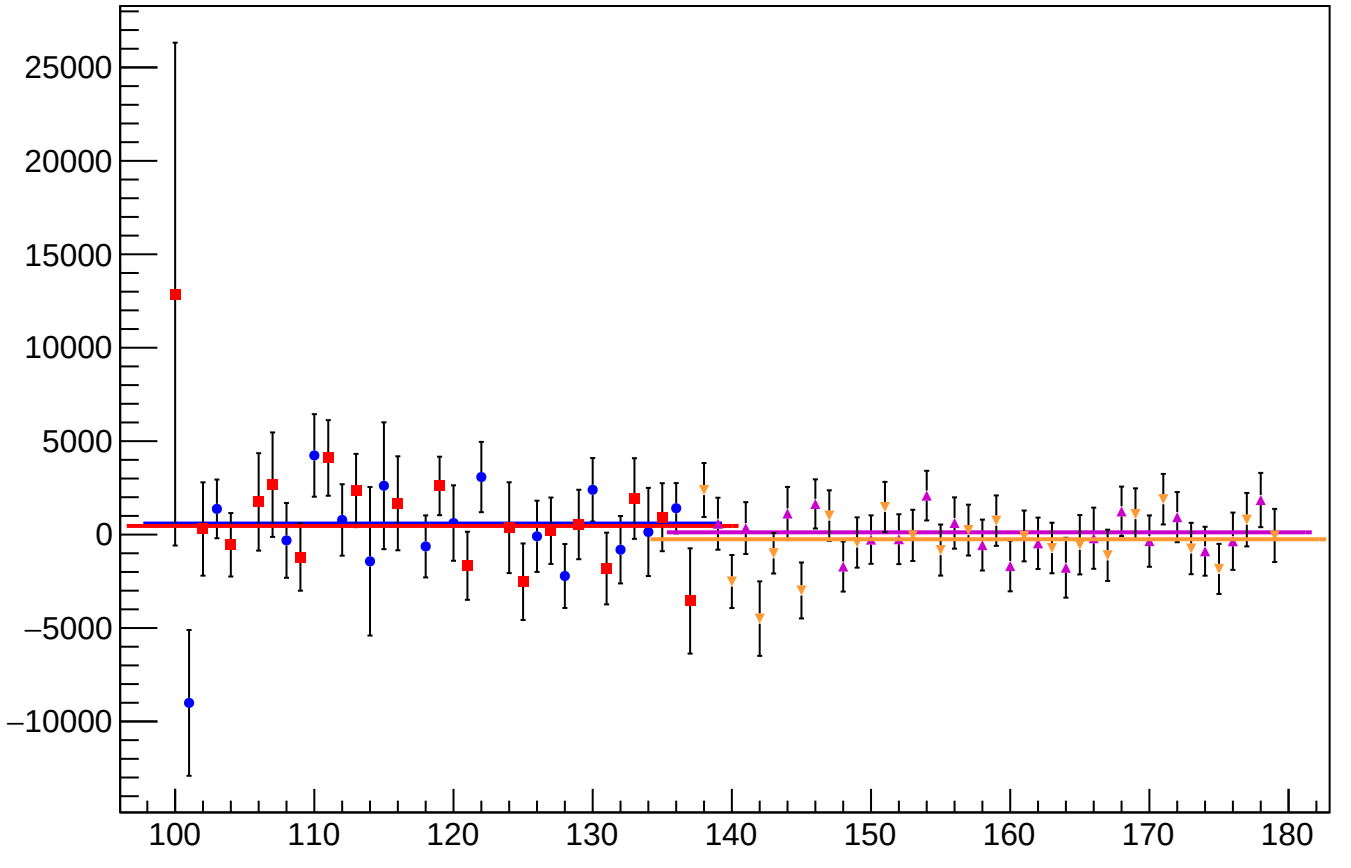
Right Out: 1154.724+/-0.317 χ^2/NDF: 1488304.5/18

Left In: 629.938+/-0.111 χ^2/NDF:324416.8/19

+ sign 680.543+/-0.102 χ^2/NDF: 4832346.1/37

All: 683.848+/-0.073 χ^2/NDF: 9094406.0/76

- sign 687.316+/-0.105 χ^2/NDF: 4259916.9/38



Right In: 590.323+/-485.483 χ^2/NDF: 17.1/15

Left Out: -249.724+/-294.971 χ^2/NDF:23.8/21

Right Out: 462.605+/-476.795 χ^2/NDF: 16.7/18

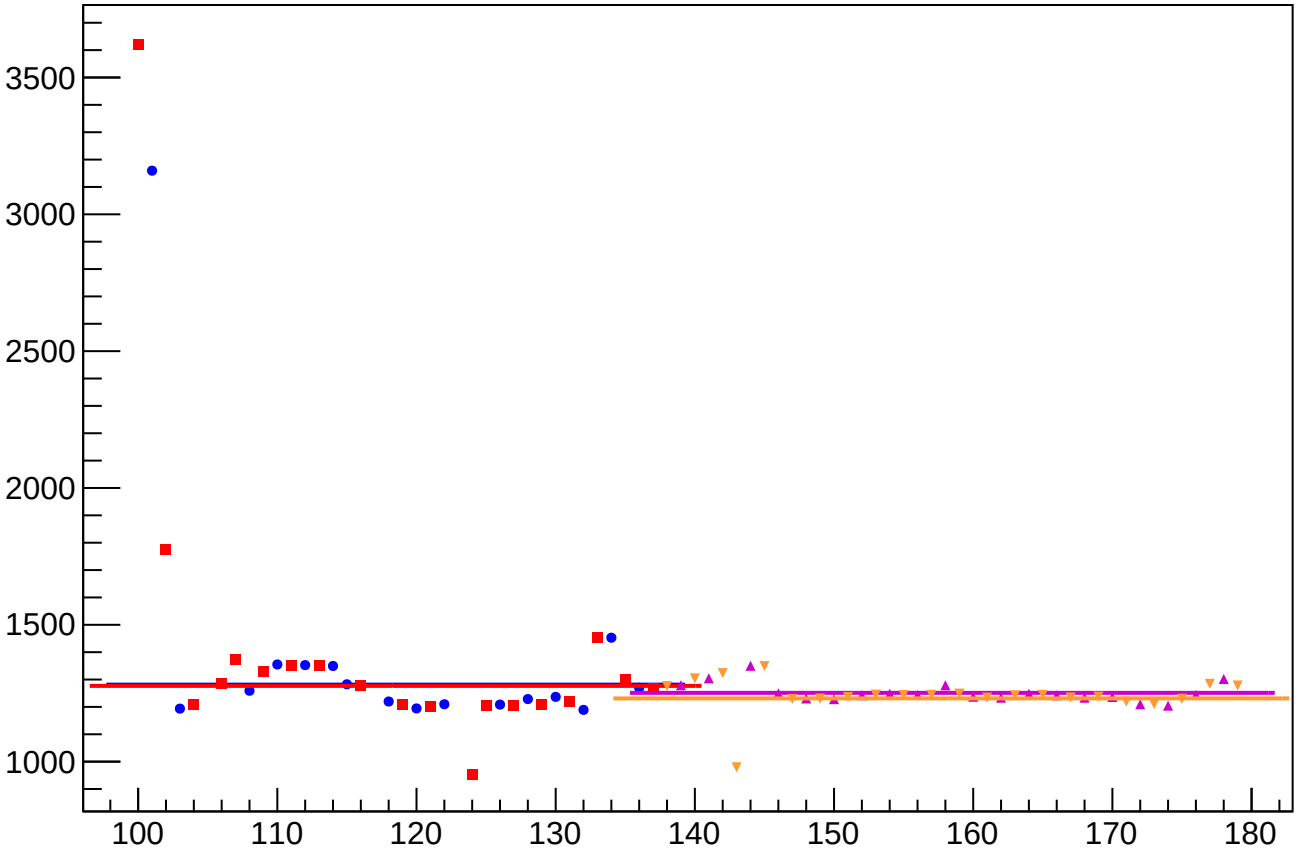
Left In: 121.737+/-309.641 χ^2/NDF:13.3/19

\+ sign -23.227+/-252.088 χ^2/NDF: 43.1/37

All: 96.161+/-180.879 χ^2/NDF: 73.9/76

\- sign 222.853+/-259.685 χ^2/NDF: 30.3/38

eigen_dit_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.6/15

Left Out: 1231.070+/-0.209 χ^2/NDF:138657.2/21

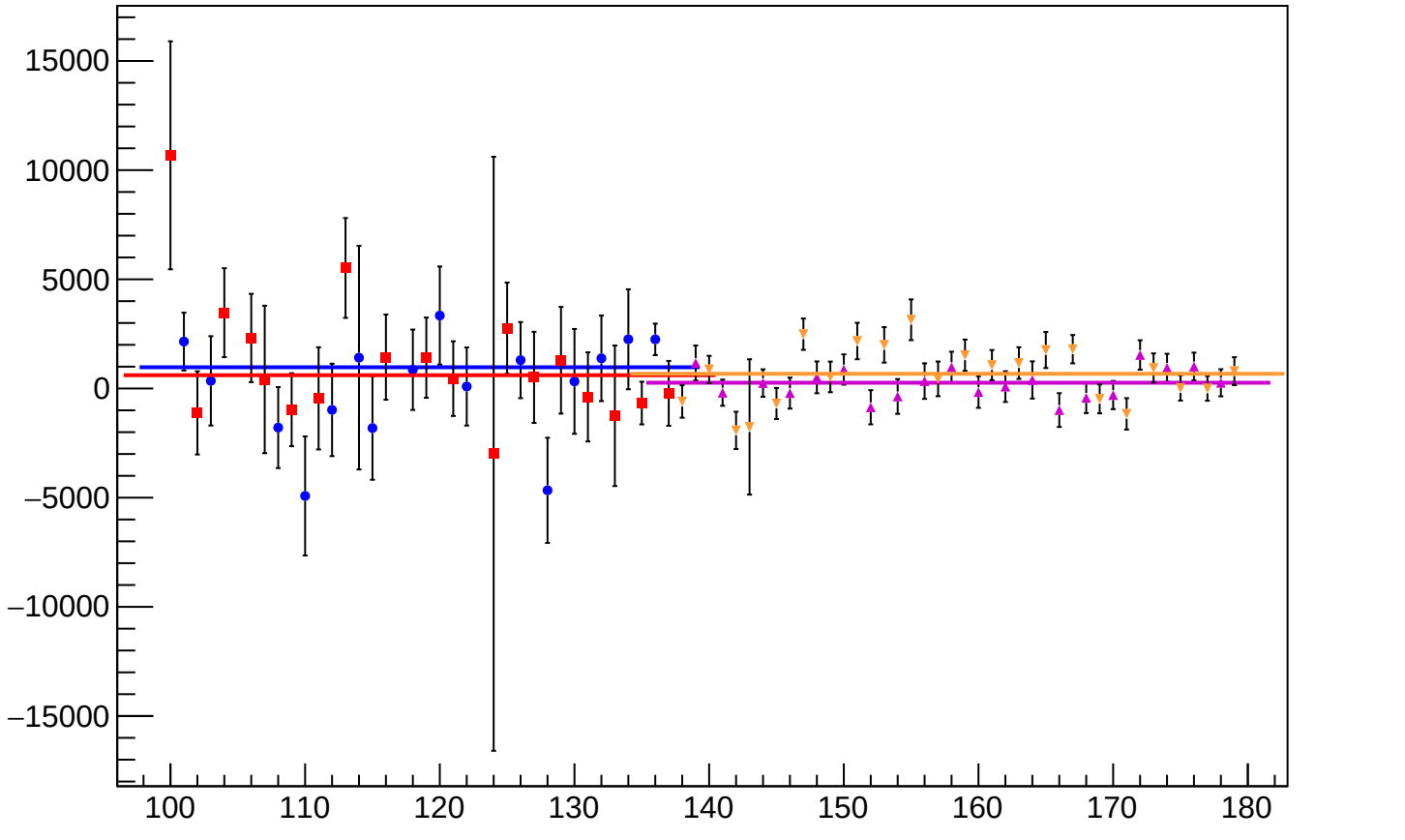
Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.5/18

Left In: 1251.373+/-0.219 χ^2/NDF:23643.3/19

+ sign 1244.632+/-0.178 χ^2/NDF: 661415.7/37

All: 1251.570+/-0.128 χ^2/NDF: 912715.3/76

- sign 1258.934+/-0.184 χ^2/NDF: 248176.3/38



Right In: 972.281+/-425.220 χ^2/NDF: 20.4/15

Left Out: 673.126+/-153.713 χ^2/NDF:55.3/21

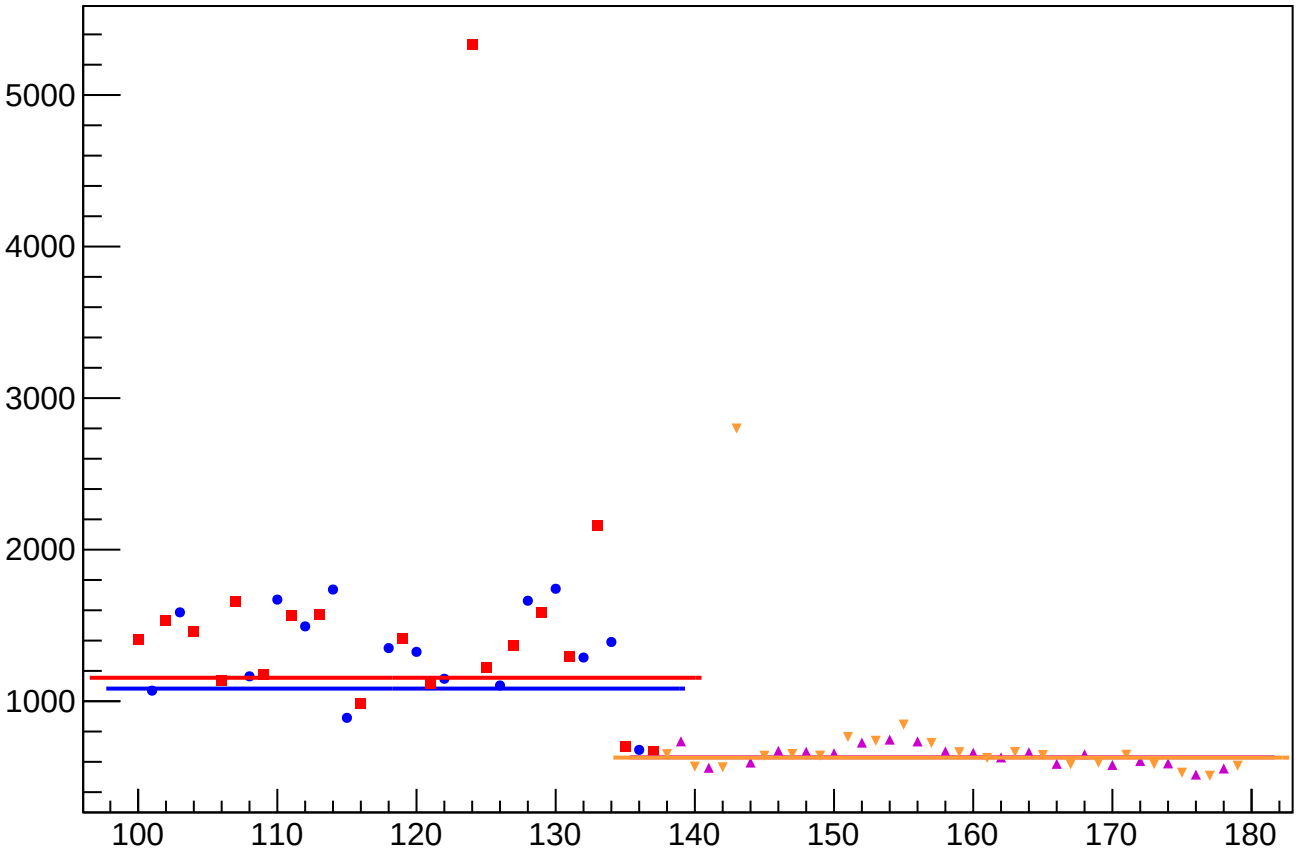
Right Out: 608.441+/-447.736 χ^2/NDF: 17.1/18

Left In: 263.516+/-156.871 χ^2/NDF:17.7/19

+ sign 707.701+/-144.558 χ^2/NDF: 76.2/37

All: 509.310+/-103.429 χ^2/NDF: 115.4/76

- sign 301.228+/-148.047 χ^2/NDF: 35.4/38



Right In: 1083.341+/-0.301 χ^2/NDF: 1360095.7/15

Left Out: 627.907+/-0.109 χ^2/NDF:1443081.2/21

Right Out: 1154.732+/-0.317 χ^2/NDF: 1488251.4/18

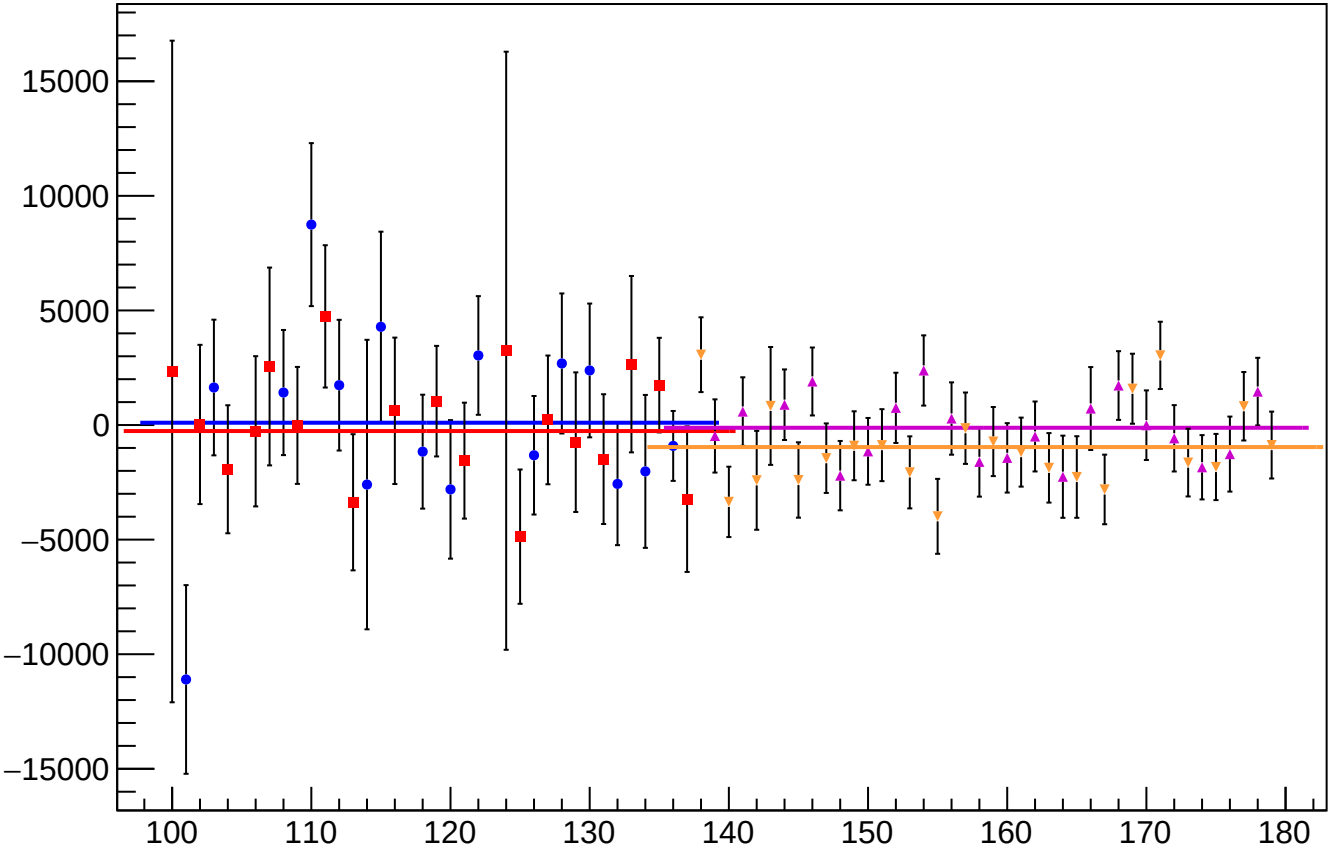
Left In: 629.938+/-0.111 χ^2/NDF:324421.7/19

+ sign 680.543+/-0.102 χ^2/NDF: 4832334.0/37

All: 683.848+/-0.073 χ^2/NDF: 9094402.4/76

- sign 687.315+/-0.105 χ^2/NDF: 4259925.7/38

asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 100.451+/-698.983 χ^2/NDF: 21.3/15

Left Out: -961.866+/-336.664 χ^2/NDF:29.2/21

Right Out: -262.731+/-699.724 χ^2/NDF: 10.3/18

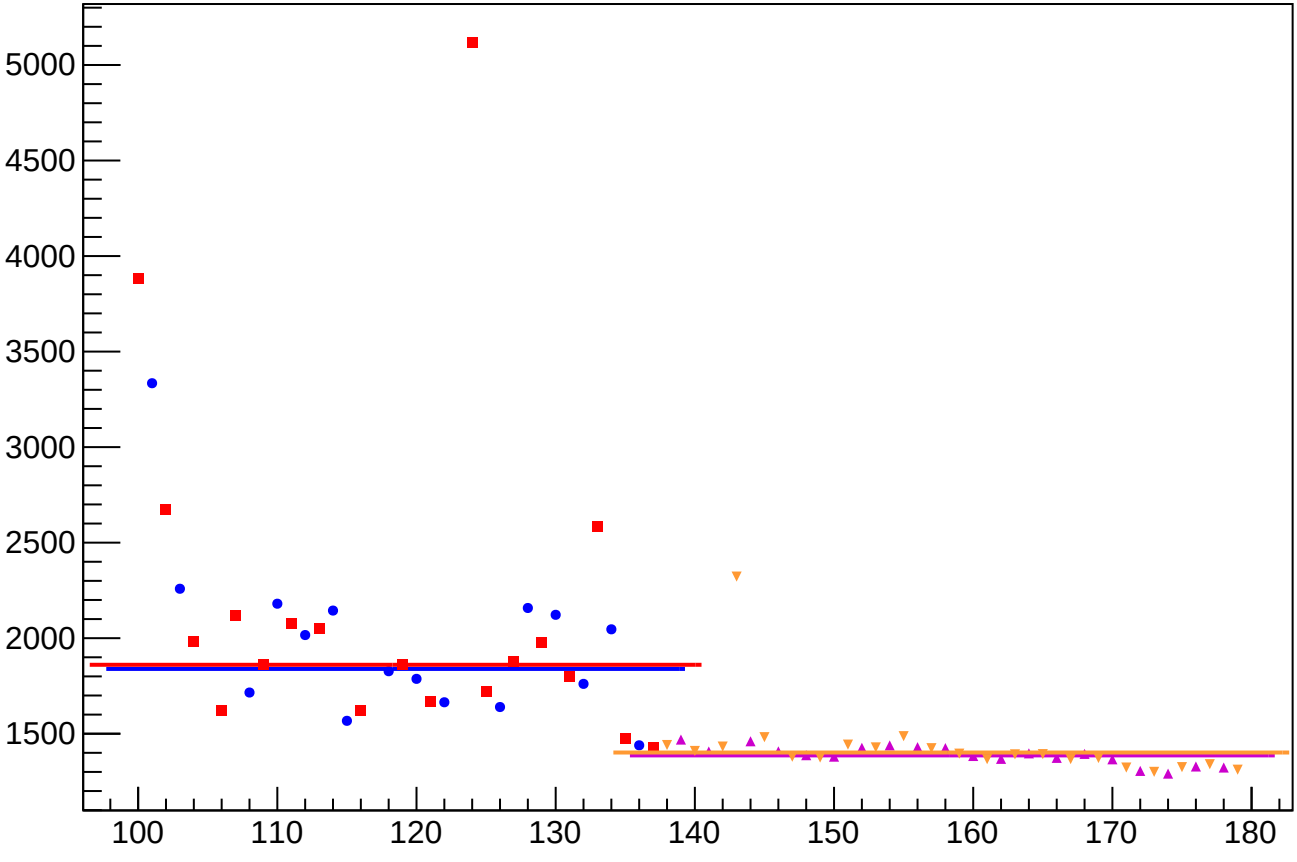
Left In: -119.804+/-343.188 χ^2/NDF:16.2/19

\+ sign -761.829+/-303.315 χ^2/NDF: 52.3/37

All: -459.504+/-216.156 χ^2/NDF: 80.9/76

\- sign -147.519+/-308.123 χ^2/NDF: 26.6/38

asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1839.113+/-0.494 χ^2/NDF: 556725.4/15

Left Out: 1401.617+/-0.238 χ^2/NDF:306291.0/21

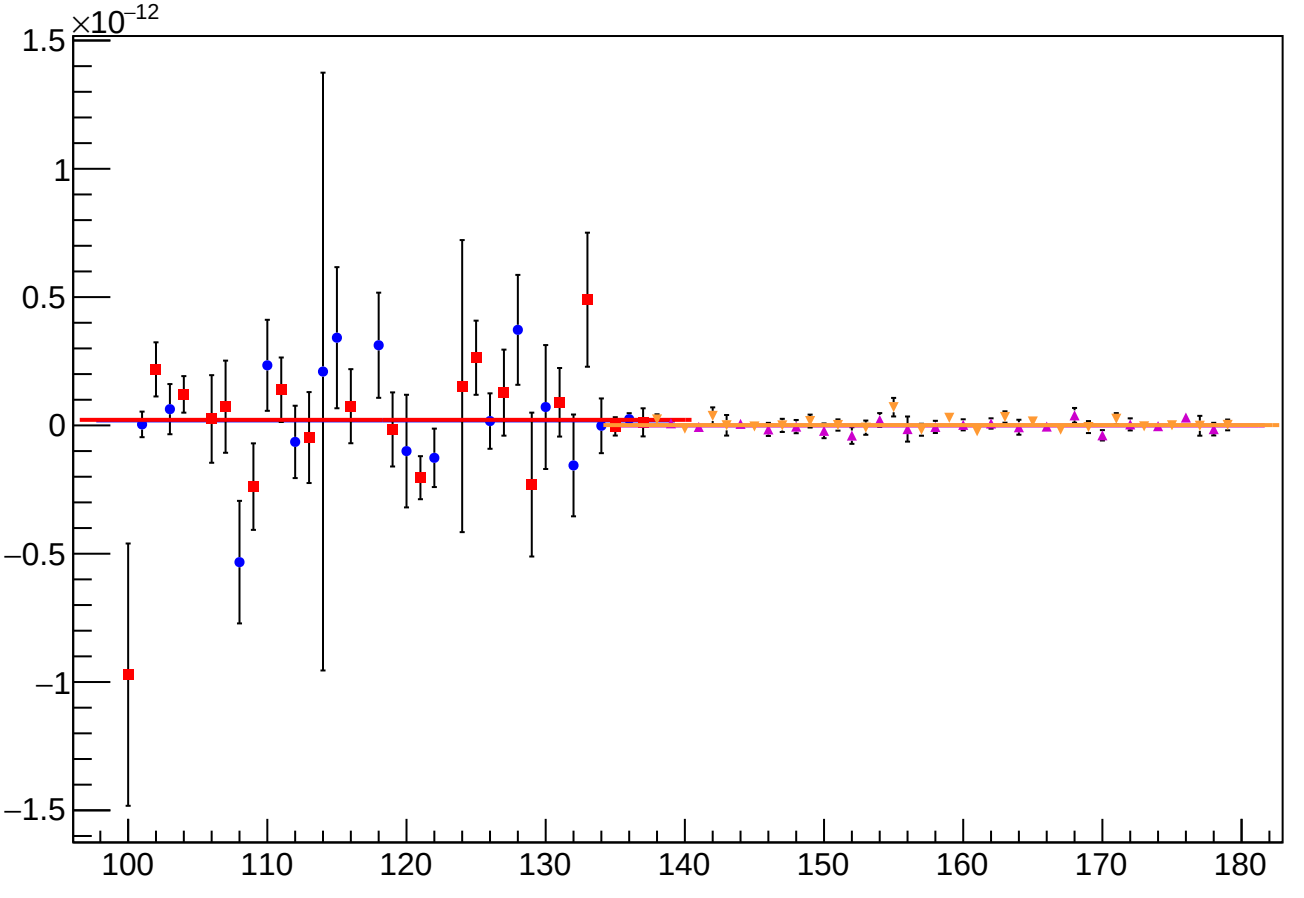
Right Out: 1860.754+/-0.495 χ^2/NDF: 522114.2/18

Left In: 1386.544+/-0.243 χ^2/NDF:39873.0/19

+ sign 1483.999+/-0.214 χ^2/NDF: 1498991.9/37

All: 1481.292+/-0.153 χ^2/NDF: 2801776.0/76

- sign 1478.499+/-0.218 χ^2/NDF: 1302460.5/38



Right In: 0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.7/21

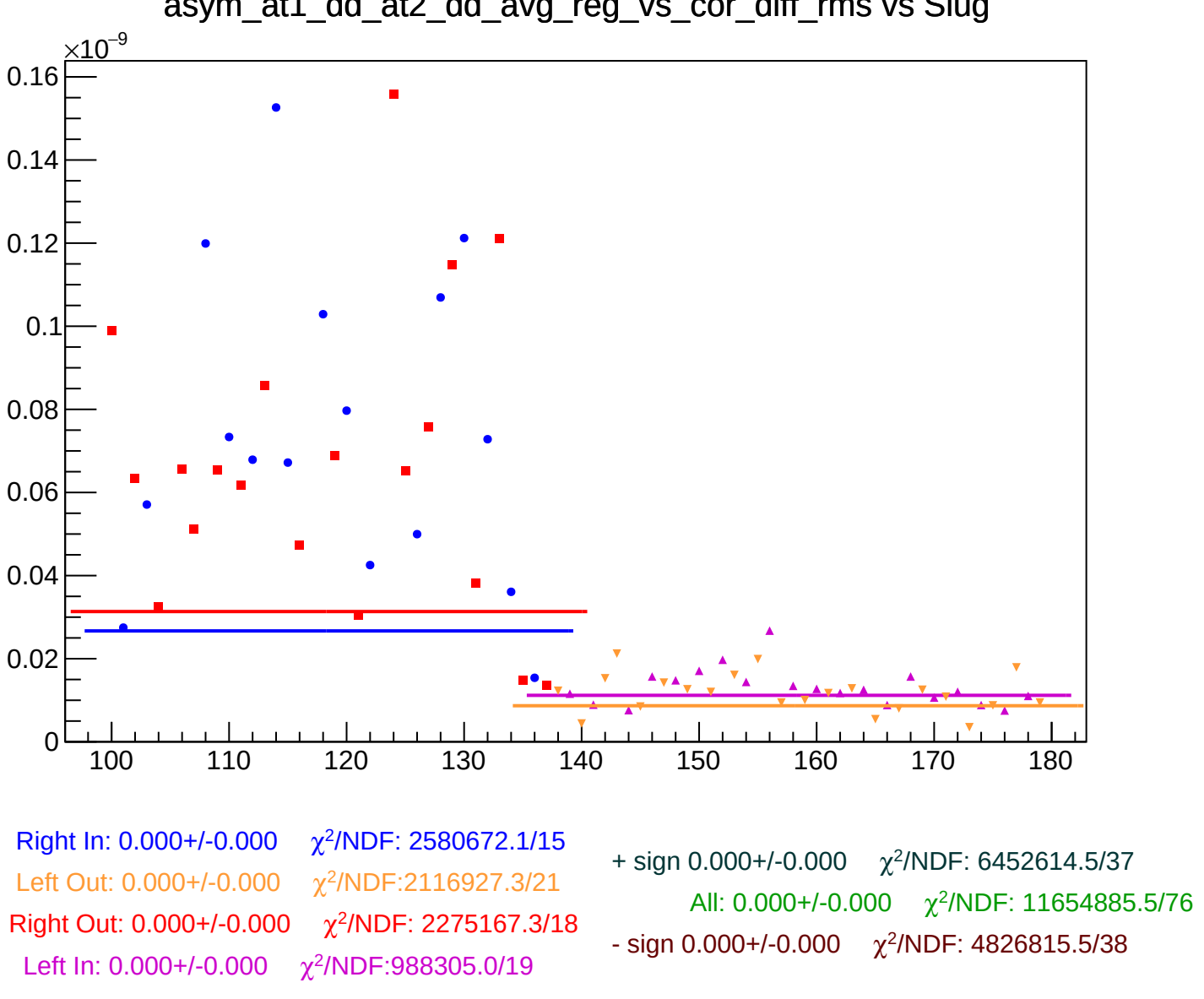
Right Out: 0.000+/-0.000 χ^2/NDF: 28.2/18

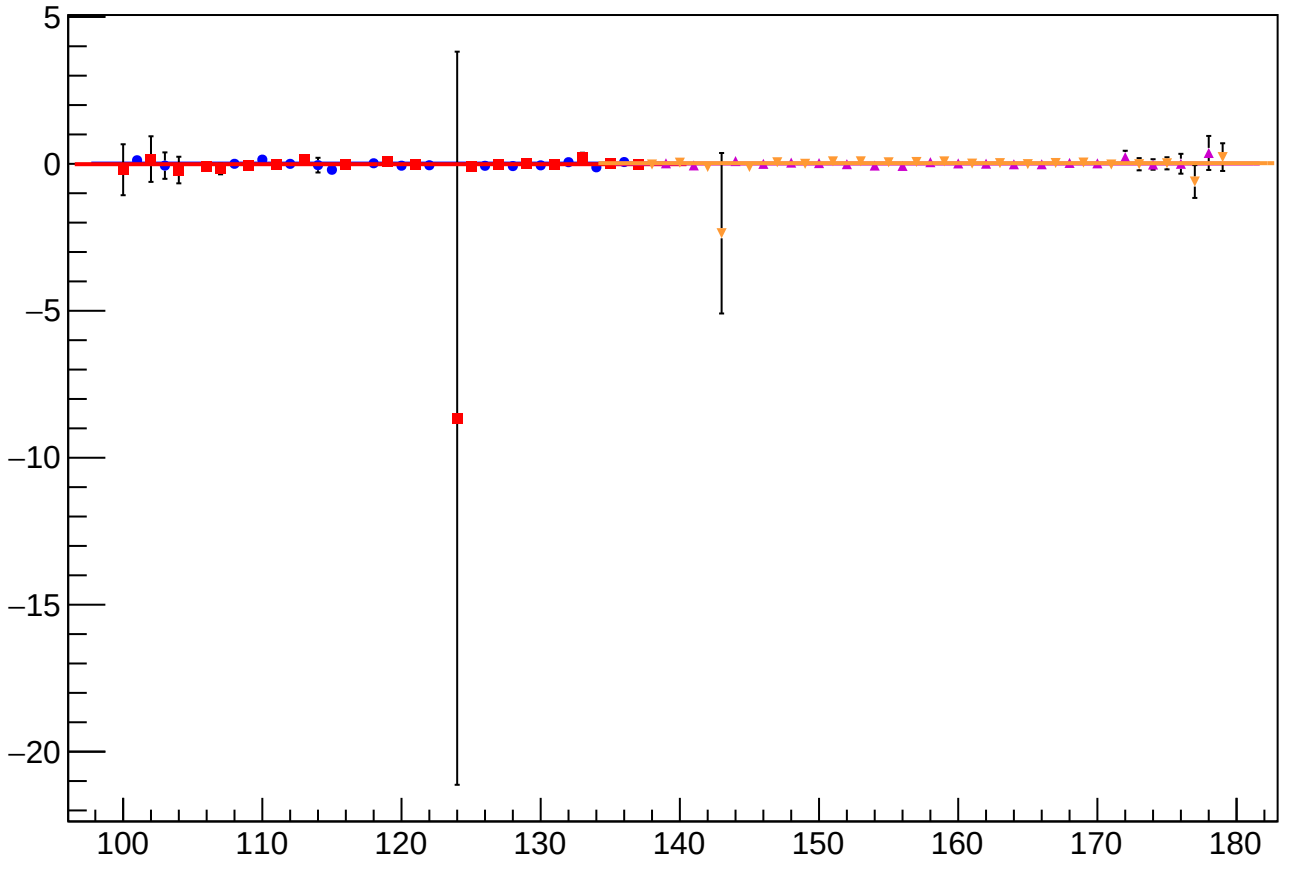
Left In: -0.000+/-0.000 χ^2/NDF:13.0/19

+ sign 0.000+/-0.000 χ^2/NDF: 36.1/37

All: 0.000+/-0.000 χ^2/NDF: 78.2/76

- sign 0.000+/-0.000 χ^2/NDF: 42.1/38


asym_at1_dd_at2_dd_avg_reg_vs_cor_diff_rms vs Slug
×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
180
Right In: 0.000+/-0.000 χ²/NDF: 2580672.1/15
Left Out: 0.000+/-0.000 χ²/NDF:2116927.3/21
Right Out: 0.000+/-0.000 χ²/NDF: 2275167.3/18
Left In: 0.000+/-0.000 χ²/NDF:988305.0/19
+ sign 0.000+/-0.000 χ²/NDF: 6452614.5/37
All: 0.000+/-0.000 χ²/NDF: 11654885.5/76
- sign 0.000+/-0.000 χ²/NDF: 4826815.5/38



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.023+/-0.010 χ^2/NDF:19.6/21

Right Out: -0.012+/-0.017 χ^2/NDF: 12.6/18

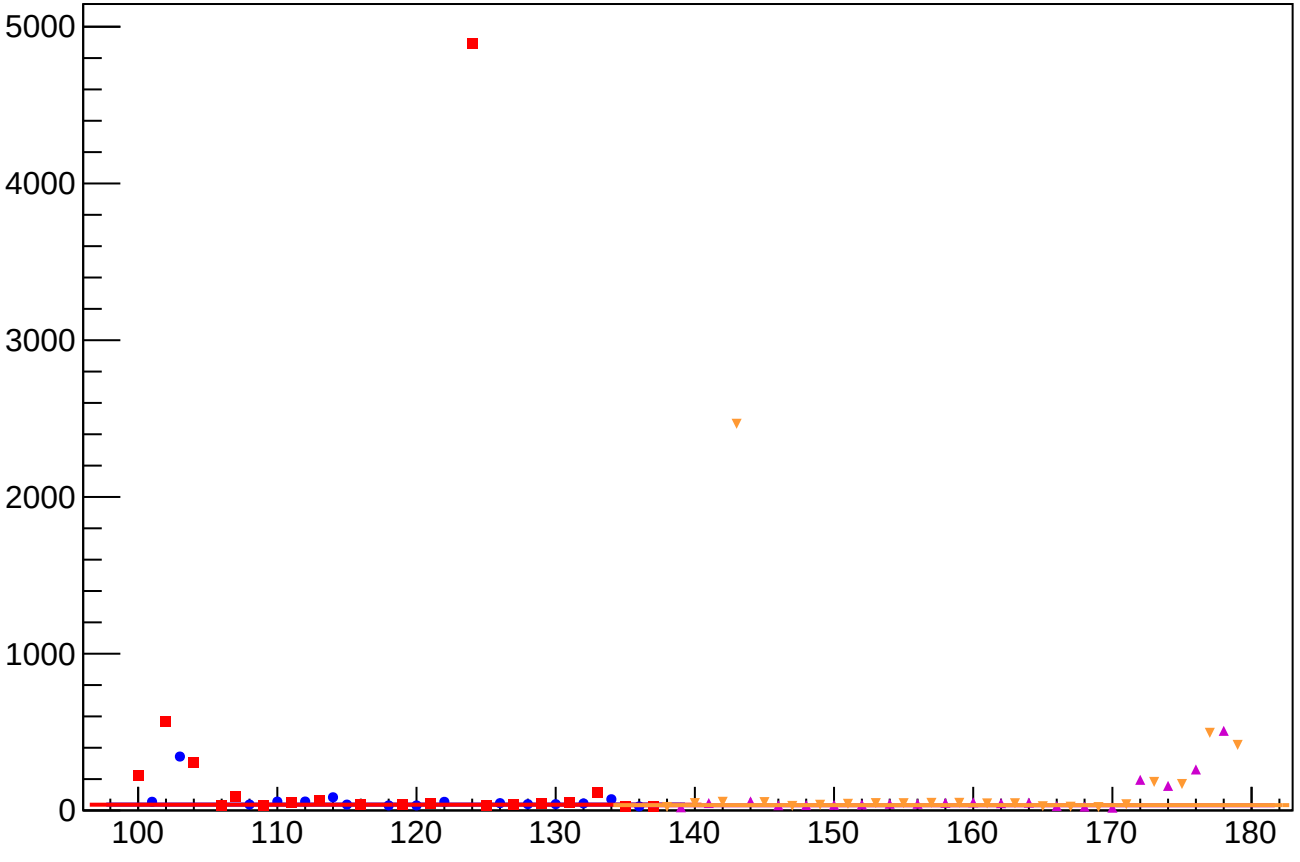
Left In: 0.010+/-0.010 χ^2/NDF:12.3/19

+ sign 0.019+/-0.009 χ^2/NDF: 39.4/37

All: 0.011+/-0.006 χ^2/NDF: 67.0/76

- sign 0.004+/-0.009 χ^2/NDF: 26.3/38

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_rms vs Slug



Right In: 37.494+/-0.011 χ^2/NDF: 1983275.6/15

Left Out: 34.002+/-0.007 χ^2/NDF:8549355.4/21

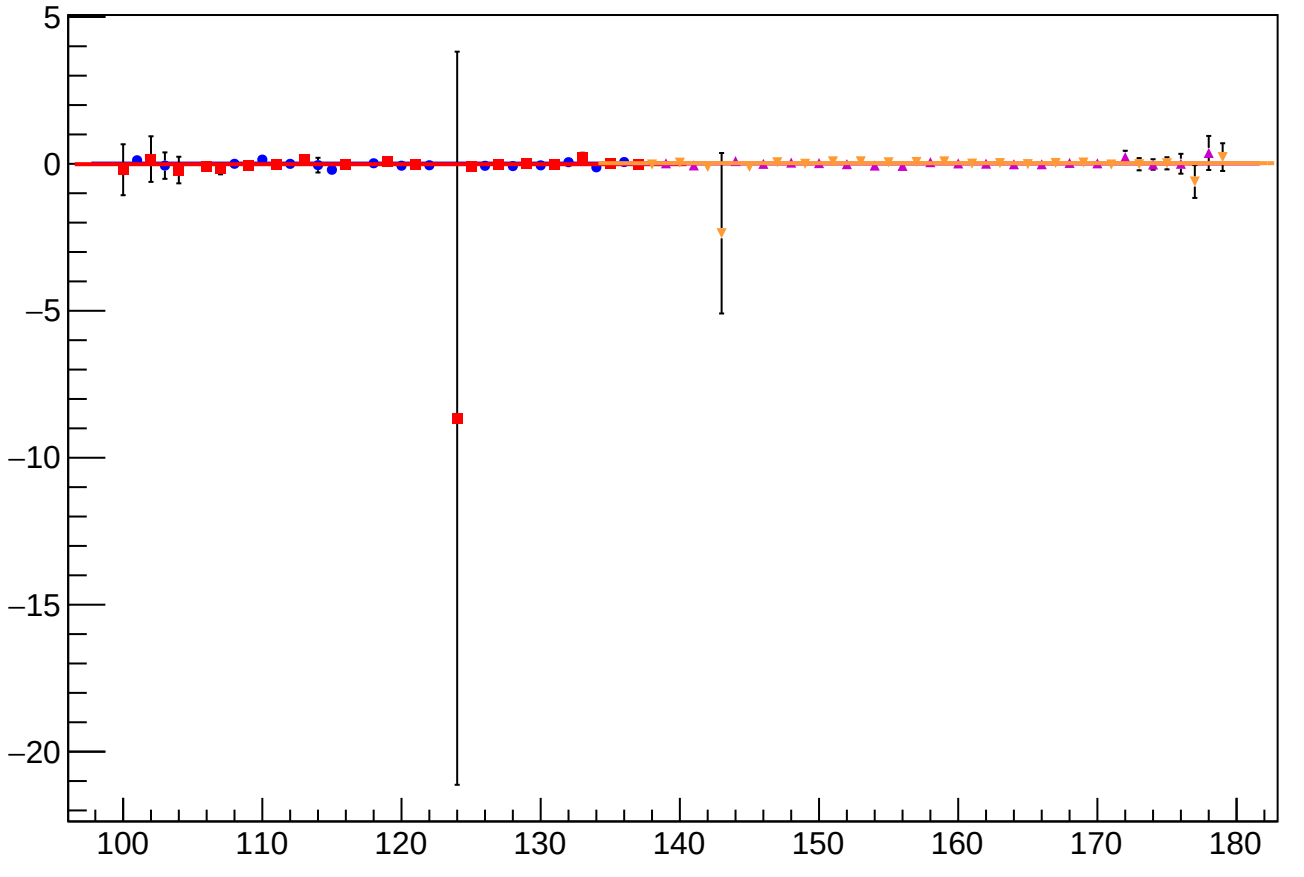
Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 32.959+/-0.007 χ^2/NDF:7081789.7/19

+ sign 35.007+/-0.006 χ^2/NDF: 10599825.5/37

All: 34.480+/-0.004 χ^2/NDF: 20964385.8/76

- sign 33.964+/-0.006 χ^2/NDF: 10349794.6/38



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.023+/-0.010 χ^2/NDF:19.6/21

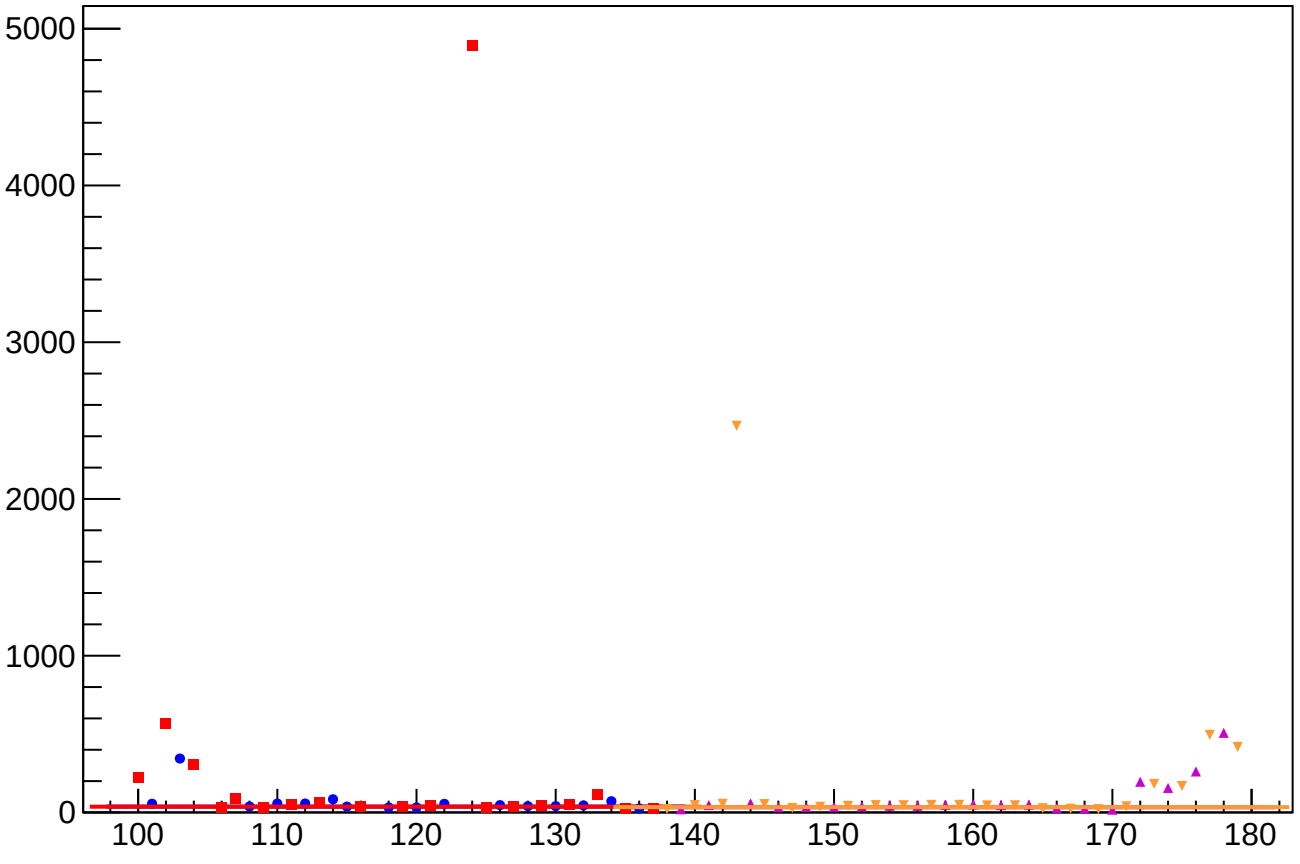
Right Out: -0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: 0.010+/-0.010 χ^2/NDF:12.3/19

+ sign 0.019+/-0.009 χ^2/NDF: 39.4/37

All: 0.011+/-0.006 χ^2/NDF: 67.0/76

- sign 0.004+/-0.009 χ^2/NDF: 26.3/38



Right In: 37.494+/-0.011 χ^2/NDF: 1983275.6/15

Left Out: 34.002+/-0.007 χ^2/NDF:8549355.4/21

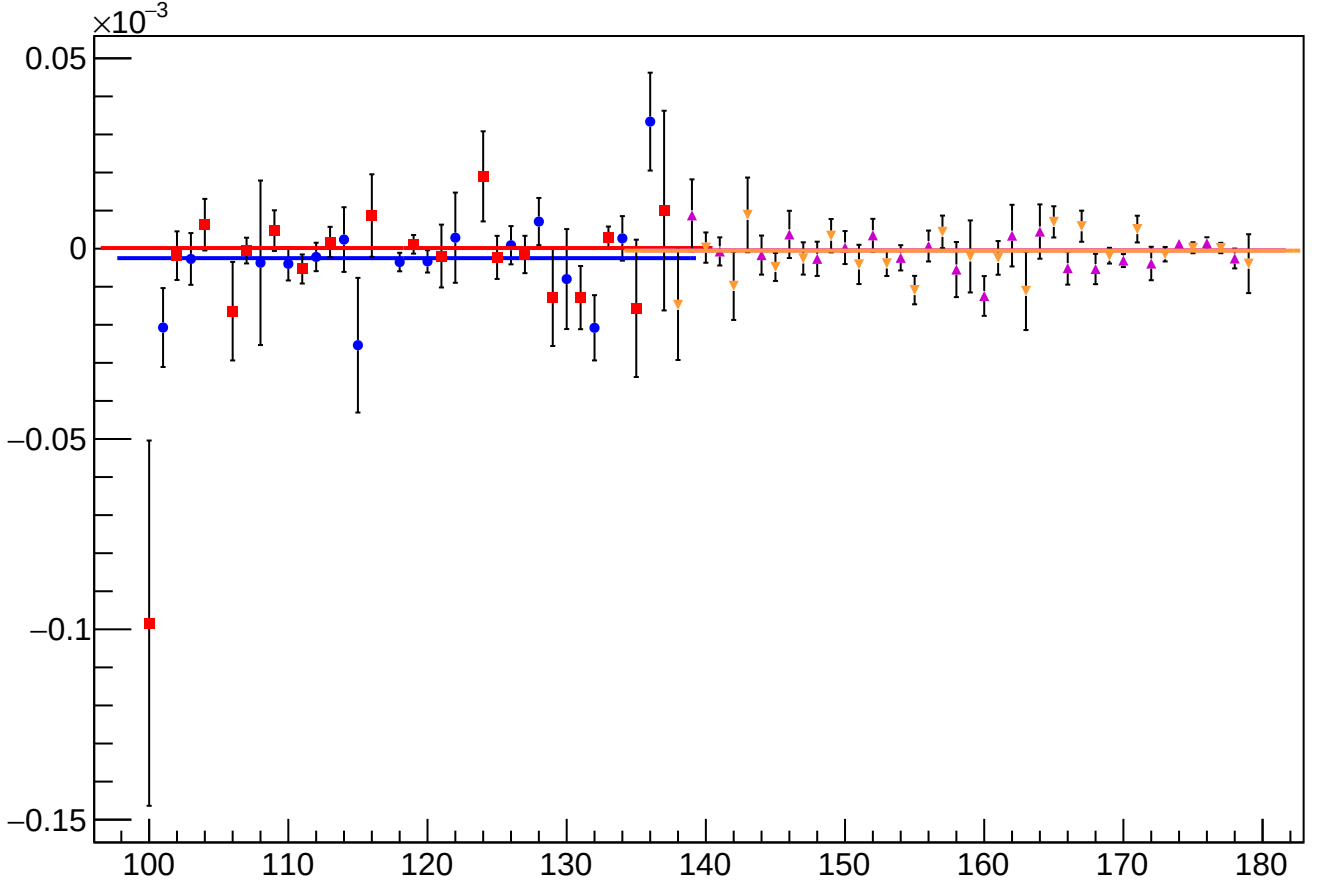
Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 32.959+/-0.007 χ^2/NDF:7081789.7/19

\+ sign 35.007+/-0.006 χ^2/NDF: 10599825.5/37

All: 34.480+/-0.004 χ^2/NDF: 20964385.8/76

\- sign 33.964+/-0.006 χ^2/NDF: 10349794.6/38



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:27.0/21

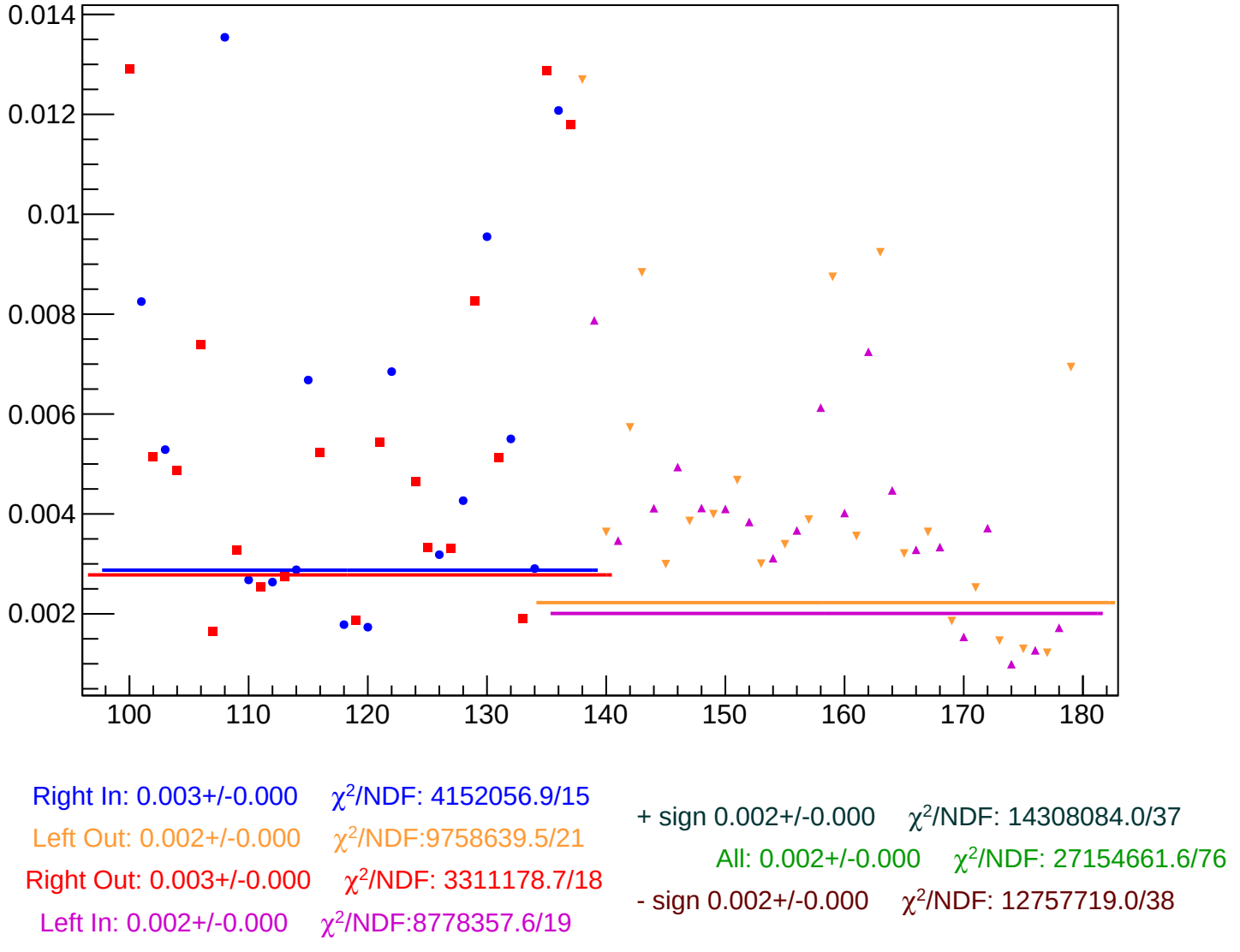
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/18

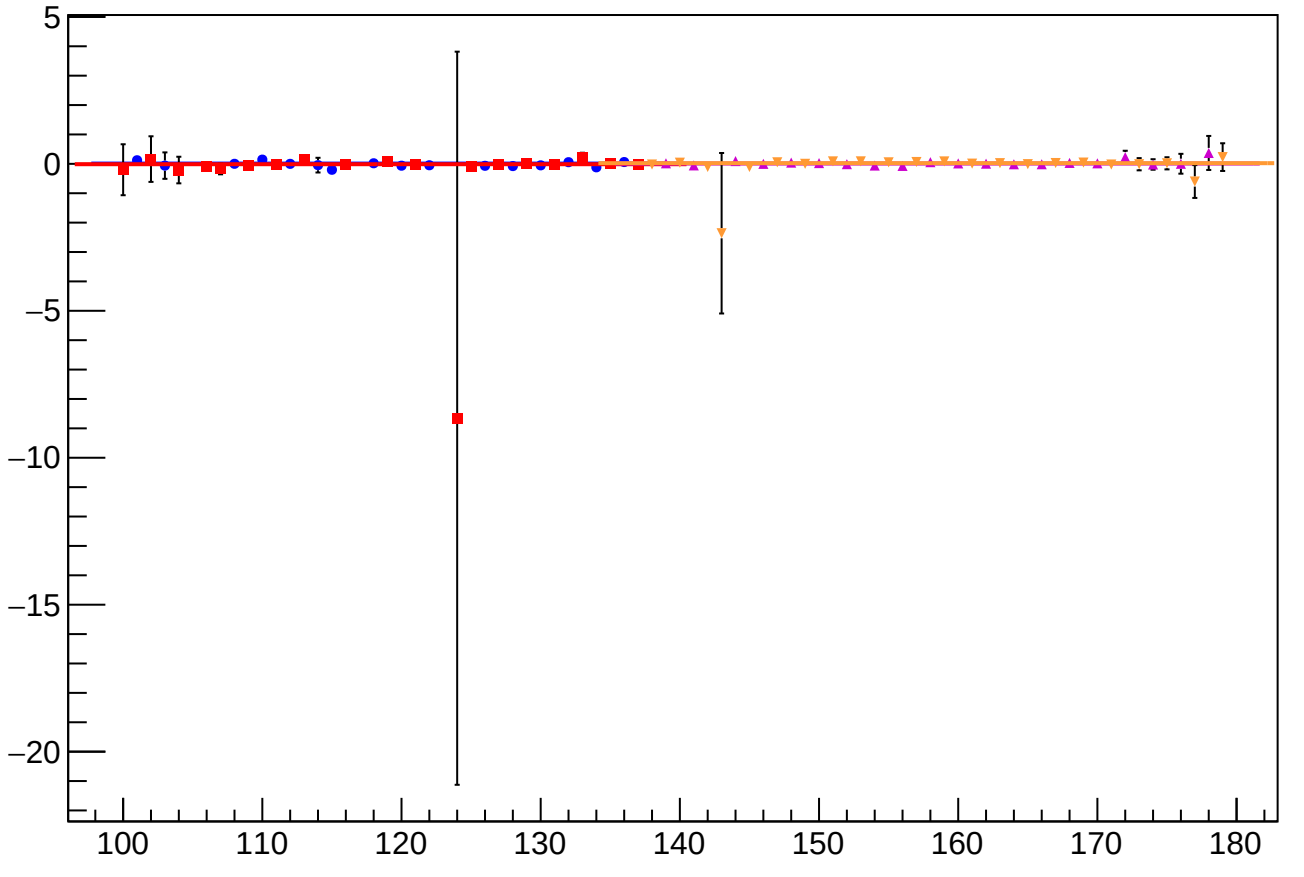
Left In: -0.000+/-0.000 χ^2/NDF:19.6/19

+ sign -0.000+/-0.000 χ^2/NDF: 50.7/37

All: -0.000+/-0.000 χ^2/NDF: 89.9/76

- sign -0.000+/-0.000 χ^2/NDF: 38.7/38


asym_at1_dd_at2_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
160
170
180
Right In: 0.003+/-0.000 χ²/NDF: 4152056.9/15
Left Out: 0.002+/-0.000 χ²/NDF:9758639.5/21
Right Out: 0.003+/-0.000 χ²/NDF: 3311178.7/18
Left In: 0.002+/-0.000 χ²/NDF:8778357.6/19
+ sign 0.002+/-0.000 χ²/NDF: 14308084.0/37
All: 0.002+/-0.000 χ²/NDF: 27154661.6/76
- sign 0.002+/-0.000 χ²/NDF: 12757719.0/38



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.023+/-0.010 χ^2/NDF:19.6/21

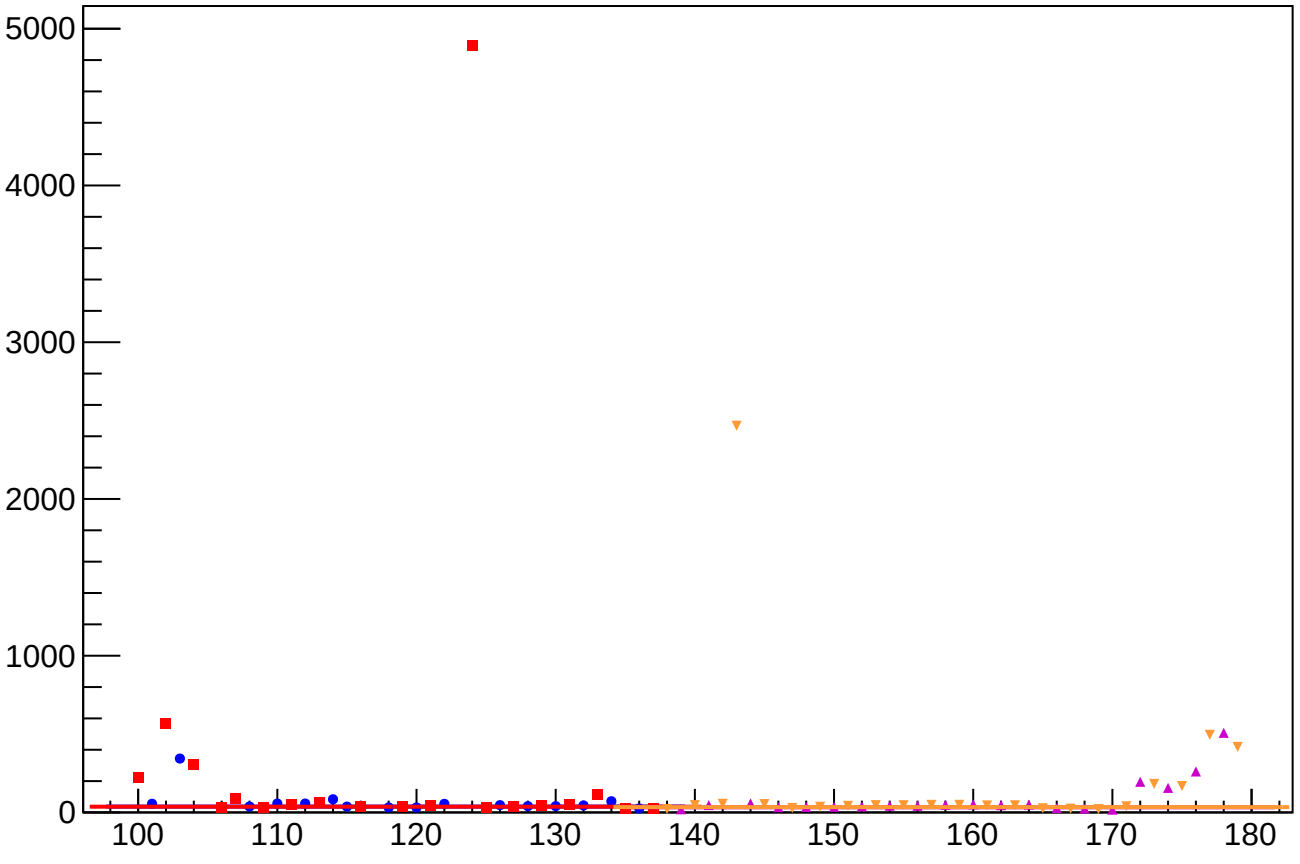
Right Out: -0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: 0.010+/-0.010 χ^2/NDF:12.3/19

+ sign 0.019+/-0.009 χ^2/NDF: 39.4/37

All: 0.011+/-0.006 χ^2/NDF: 67.0/76

- sign 0.004+/-0.009 χ^2/NDF: 26.3/38



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 34.001+/-0.007 χ^2/NDF:8549446.2/21

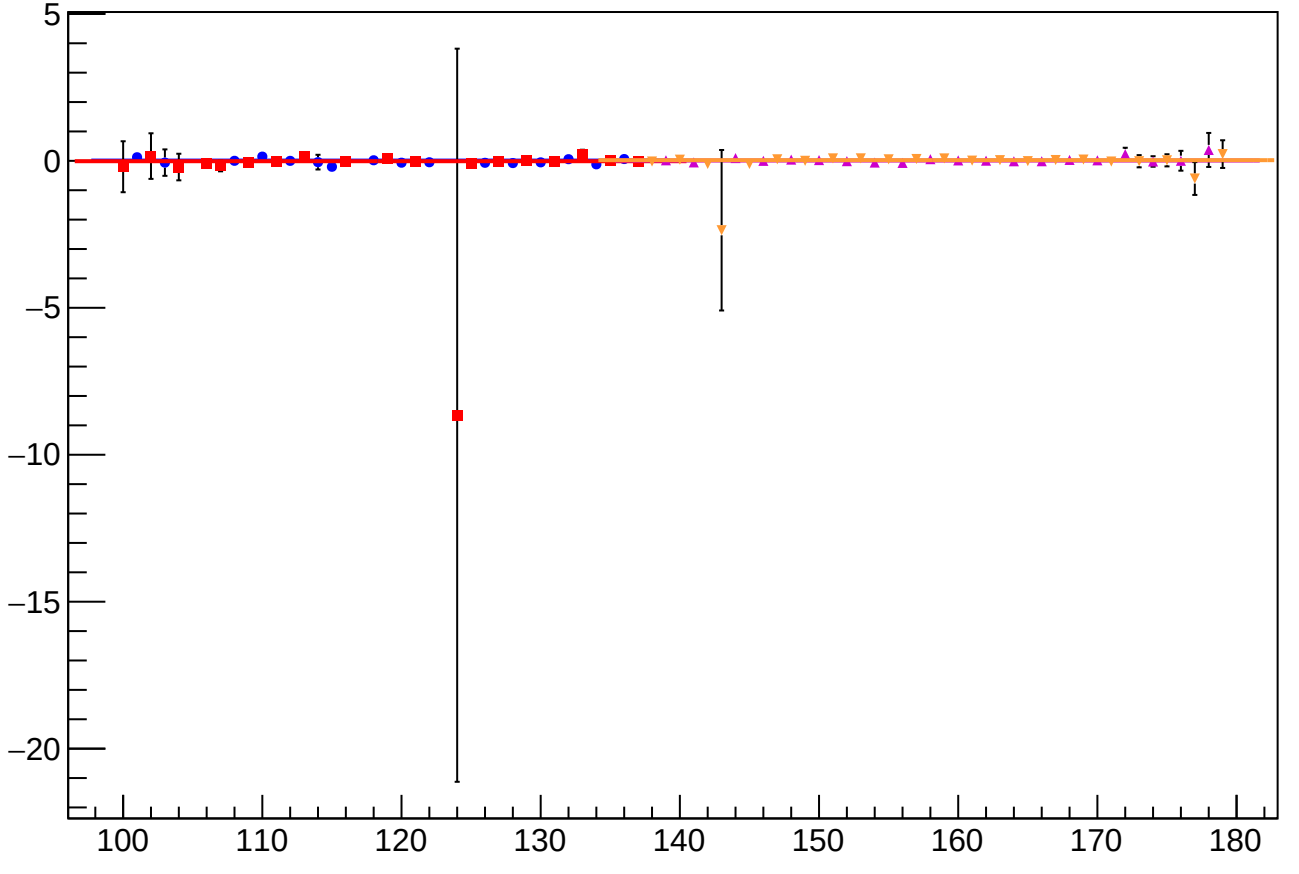
Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 32.961+/-0.007 χ^2/NDF:7080579.3/19

\+ sign 35.006+/-0.006 χ^2/NDF: 10599904.4/37

All: 34.481+/-0.004 χ^2/NDF: 20962851.8/76

\- sign 33.966+/-0.006 χ^2/NDF: 10348257.5/38



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.023+/-0.010 χ^2/NDF:19.6/21

Right Out: -0.013+/-0.017 χ^2/NDF: 12.6/18

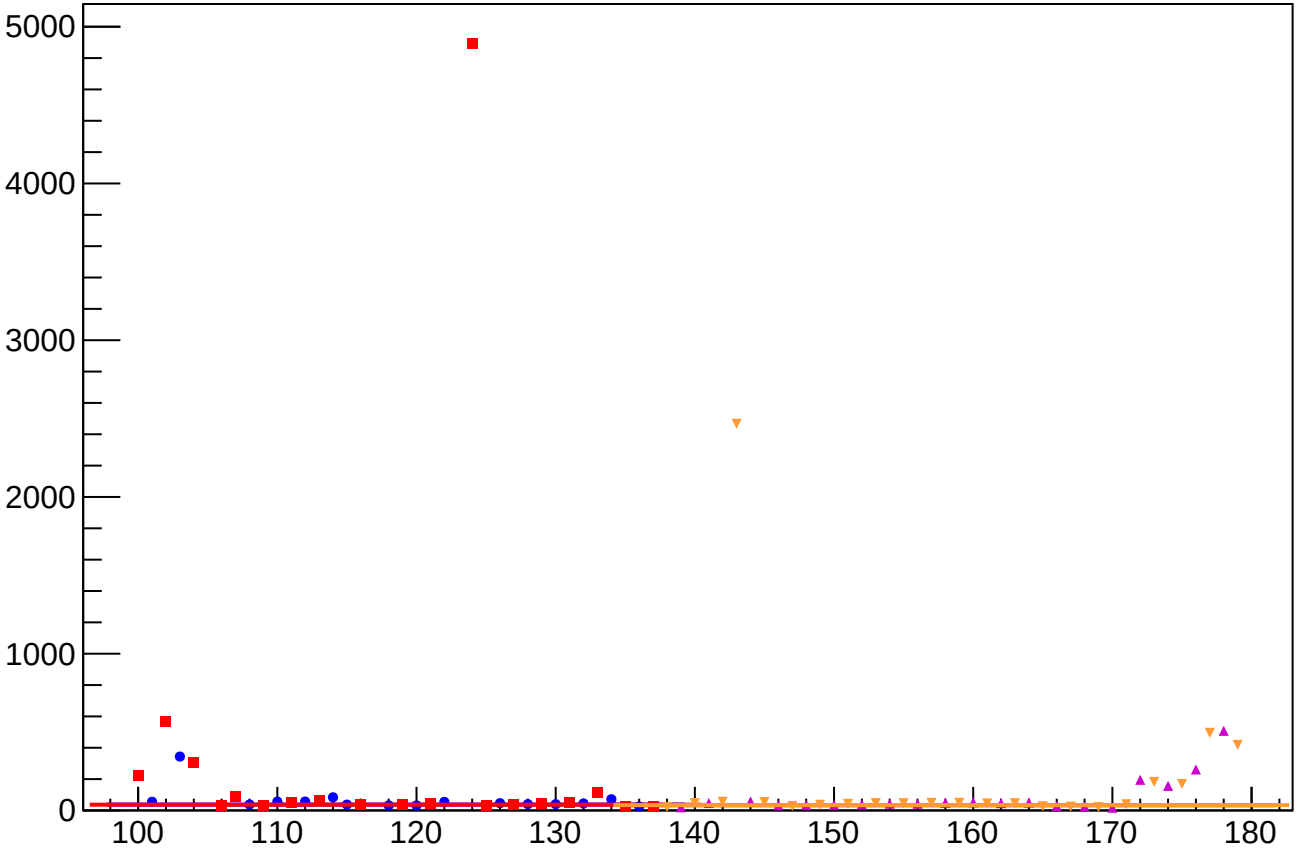
Left In: 0.010+/-0.010 χ^2/NDF:12.3/19

+ sign 0.019+/-0.009 χ^2/NDF: 39.4/37

All: 0.011+/-0.006 χ^2/NDF: 67.0/76

- sign 0.004+/-0.009 χ^2/NDF: 26.3/38

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 34.001+/-0.007 χ^2/NDF:8549446.2/21

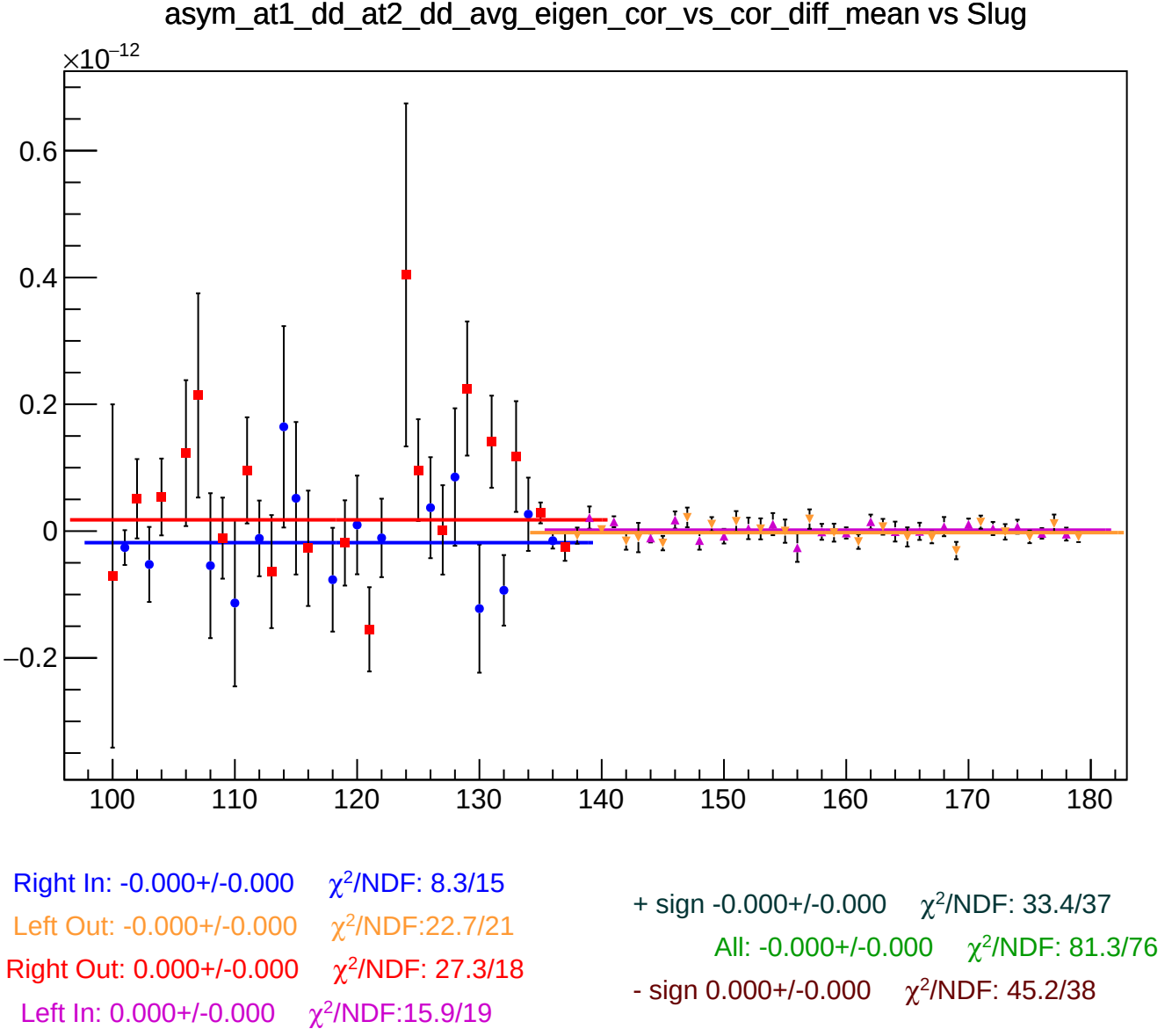
Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

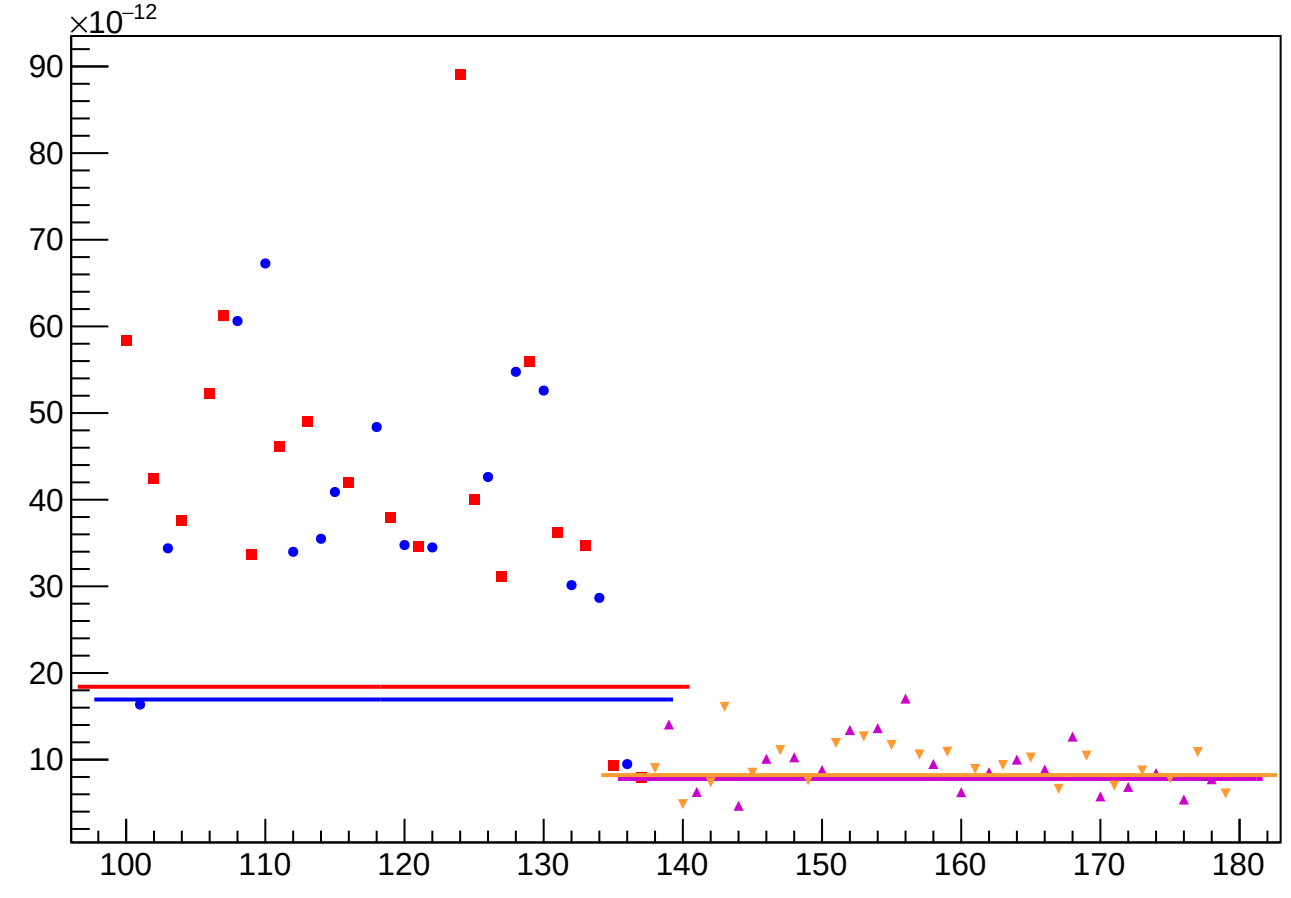
Left In: 32.961+/-0.007 χ^2/NDF:7080579.3/19

+ sign 35.006+/-0.006 χ^2/NDF: 10599904.4/37

All: 34.481+/-0.004 χ^2/NDF: 20962851.8/76

- sign 33.966+/-0.006 χ^2/NDF: 10348257.5/38


asym_at1_dd_at2_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
0.6
0.4
0.2
0
−0.2
100
110
120
130
140
150
160
170
180
Right In: -0.000+/-0.000 χ²/NDF: 8.3/15
Left Out: -0.000+/-0.000 χ²/NDF:22.7/21
Right Out: 0.000+/-0.000 χ²/NDF: 27.3/18
Left In: 0.000+/-0.000 χ²/NDF:15.9/19
+ sign -0.000+/-0.000 χ²/NDF: 33.4/37
All: -0.000+/-0.000 χ²/NDF: 81.3/76
- sign 0.000+/-0.000 χ²/NDF: 45.2/38



Right In: 0.000+/-0.000 χ^2/NDF: 3207856.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1668399.0/21

Right Out: 0.000+/-0.000 χ^2/NDF: 3674861.8/18

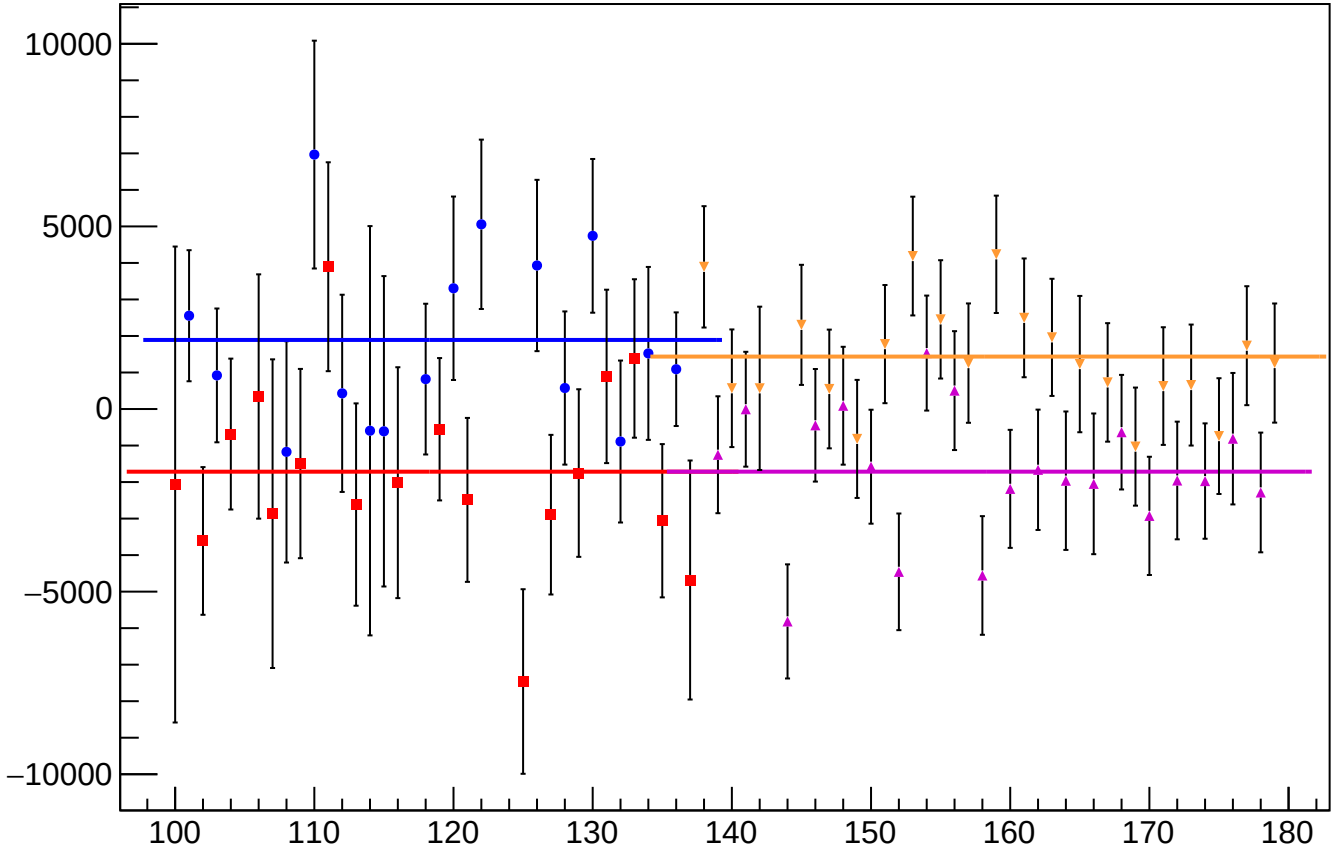
Left In: 0.000+/-0.000 χ^2/NDF:2280617.5/19

+ sign 0.000+/-0.000 χ^2/NDF: 6329283.0/37

All: 0.000+/-0.000 χ^2/NDF: 14081405.7/76

- sign 0.000+/-0.000 χ^2/NDF: 7717658.1/38

reg_asym_usl_atl1_avg_mean vs Slug



Right In: 1891.457+/-572.244 χ^2/NDF: 12.2/15

Left Out: 1435.922+/-360.389 χ^2/NDF:17.0/20

Right Out: -1715.909+/-589.518 χ^2/NDF: 16.0/17

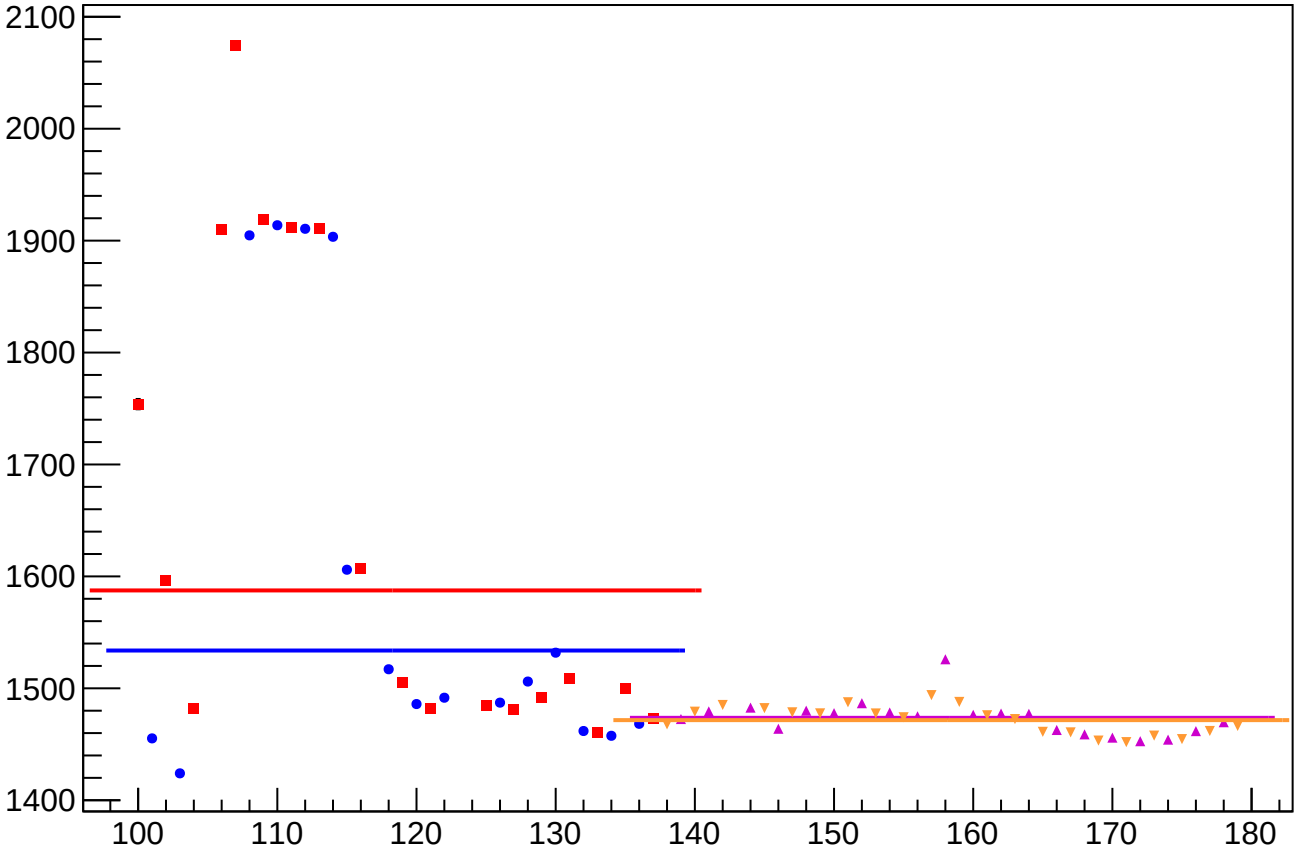
Left In: -1715.280+/-364.506 χ^2/NDF:23.8/19

+ sign 1565.288+/-304.952 χ^2/NDF: 29.6/36

All: -48.001+/-217.407 χ^2/NDF: 126.3/74

- sign -1715.454+/-310.029 χ^2/NDF: 39.8/37

reg_asym_usl_atl1_avg_rms vs Slug



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.6/15

Left Out: 1471.576+/-0.255 χ^2/NDF:2264.0/20

Right Out: 1587.461+/-0.417 χ^2/NDF: 171988.2/17

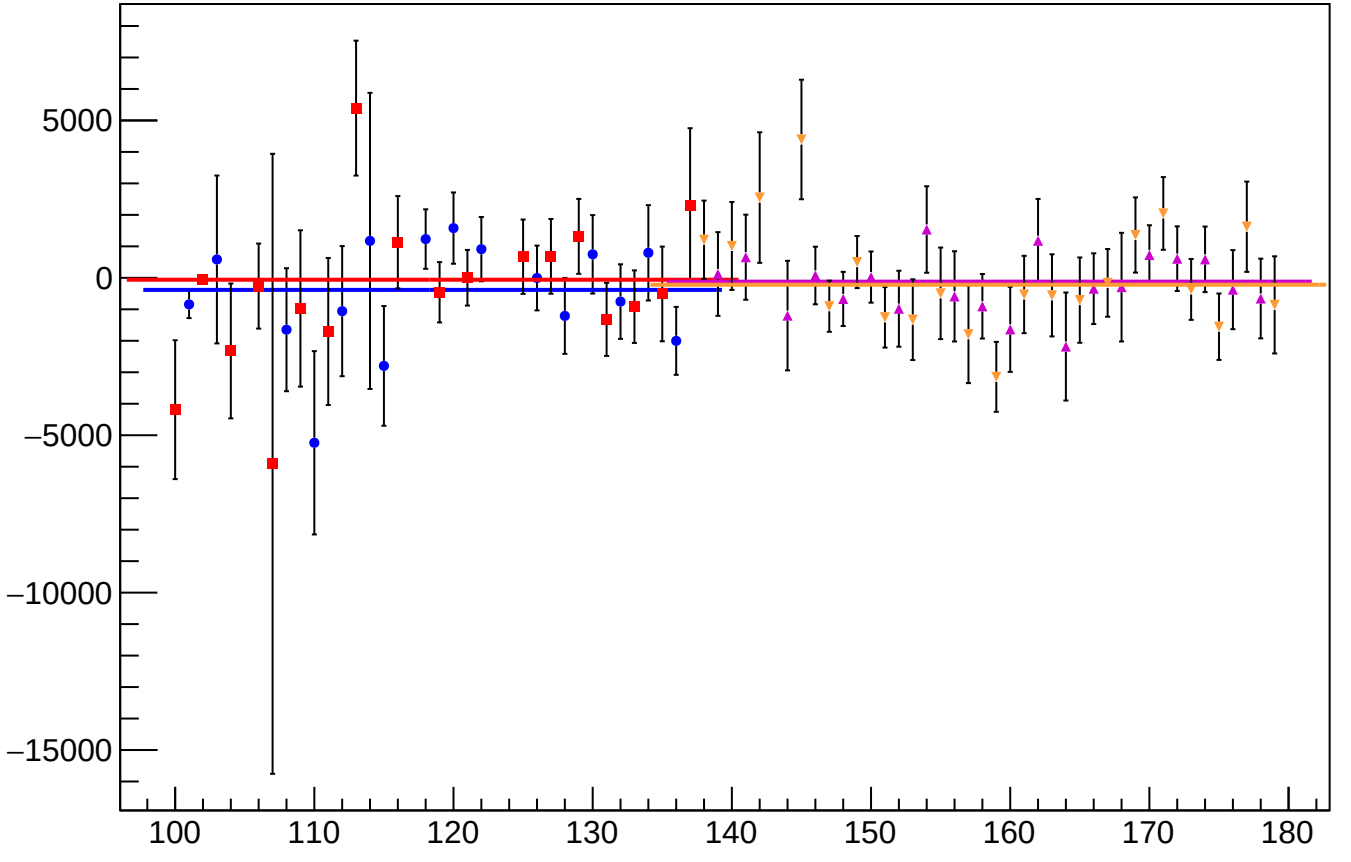
Left In: 1473.629+/-0.258 χ^2/NDF:3692.8/19

+ sign 1489.239+/-0.216 χ^2/NDF: 148451.3/36

All: 1497.044+/-0.154 χ^2/NDF: 380743.6/74

- sign 1505.112+/-0.219 χ^2/NDF: 229627.8/37

asym_usl_atl1_avg_reg_correction_mean vs Slug



Right In: -382.787+/-272.209 χ^2/NDF: 18.2/15

Left Out: -218.758+/-258.001 χ^2/NDF:30.5/20

Right Out: -59.970+/-127.700 χ^2/NDF: 17.8/17

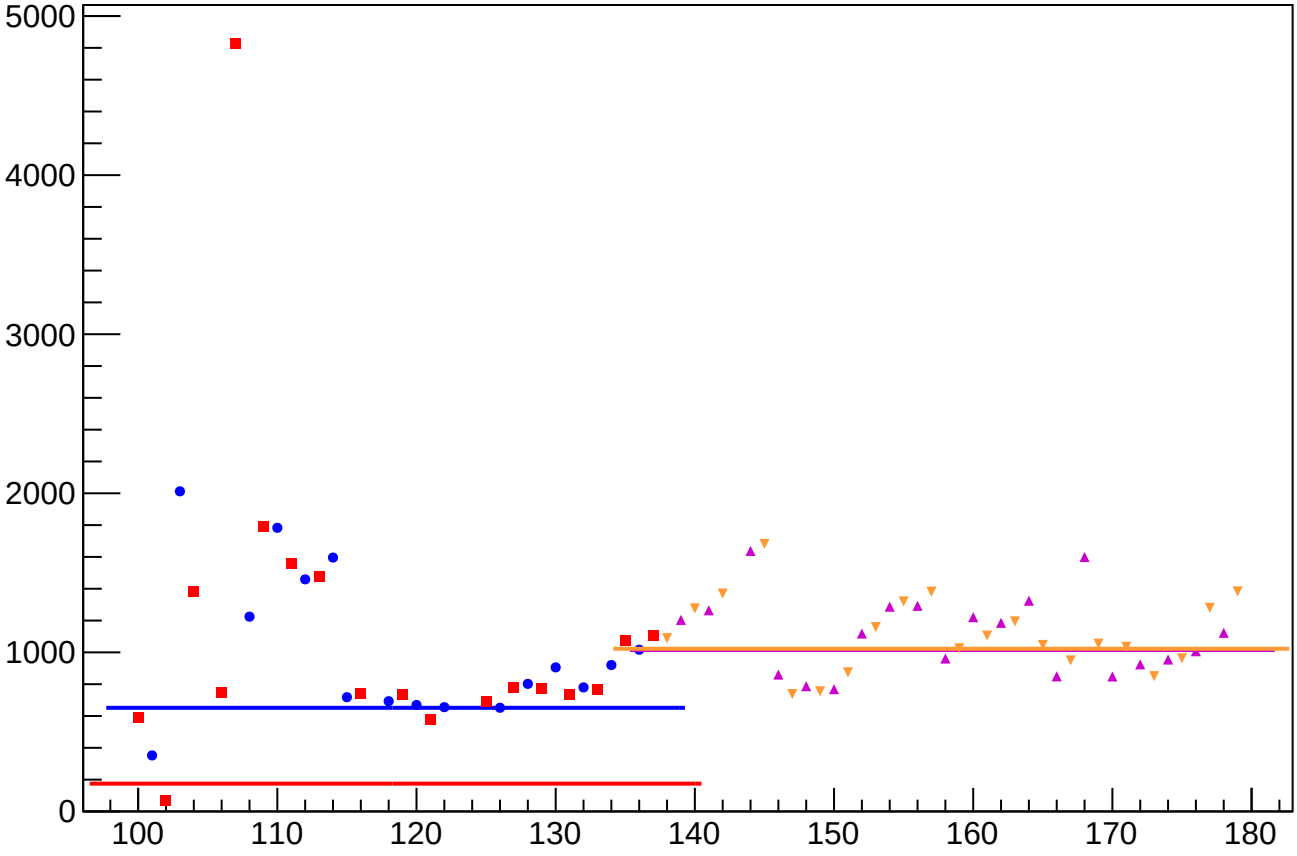
Left In: -120.853+/-258.319 χ^2/NDF:9.6/19

+ sign -296.381+/-187.256 χ^2/NDF: 48.9/36

All: -132.991+/-97.671 χ^2/NDF: 77.3/74

- sign -71.927+/-114.476 χ^2/NDF: 27.4/37

asym_usl_atl1_avg_reg_correction_rms vs Slug



Right In: 651.523+/-0.192 χ^2/NDF: 2762656.2/15

Left Out: 1022.872+/-0.182 χ^2/NDF:1384023.4/20

Right Out: 174.898+/-0.090 χ^2/NDF: 9761228.2/17

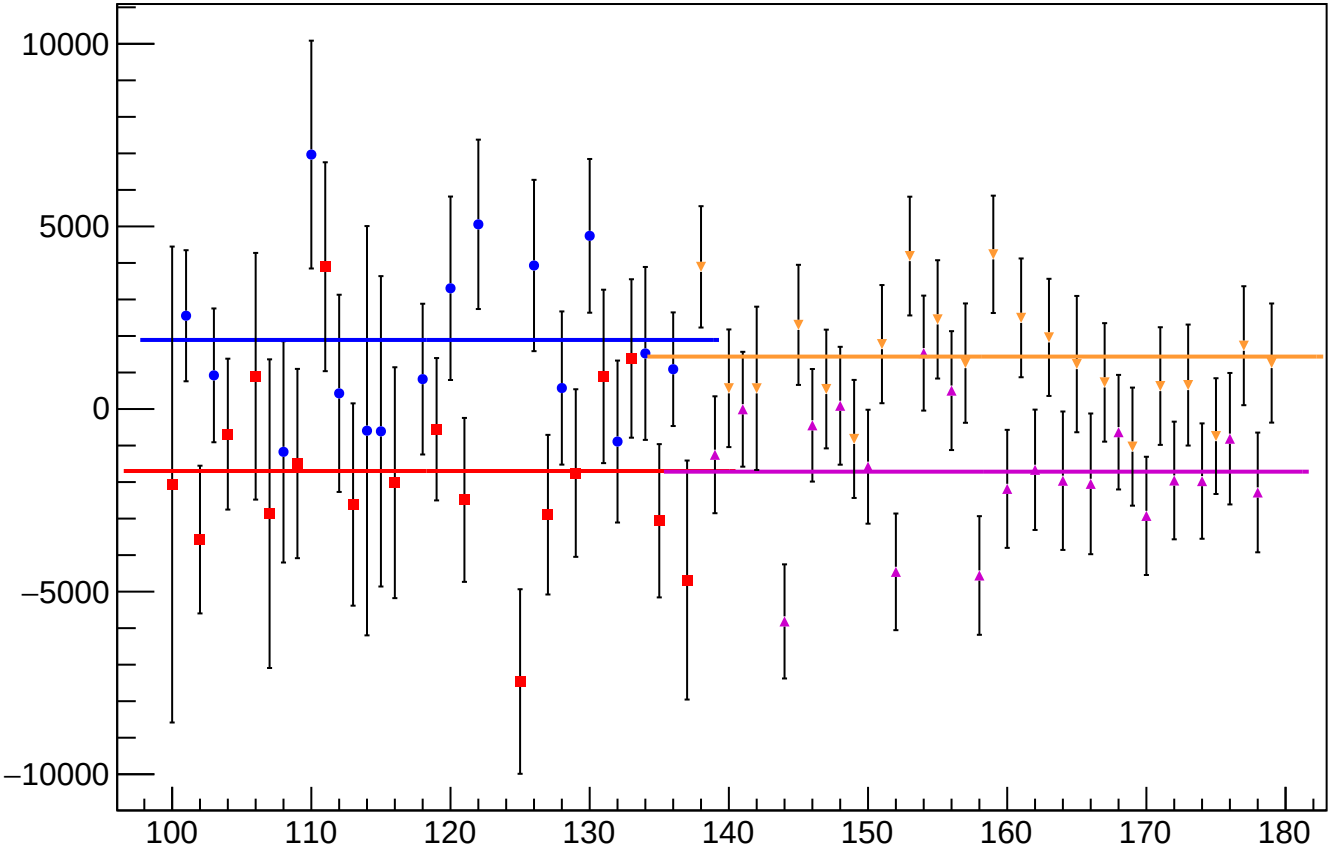
Left In: 1015.043+/-0.183 χ^2/NDF:1435387.6/19

+ sign 847.142+/-0.132 χ^2/NDF: 6107411.6/36

All: 477.894+/-0.069 χ^2/NDF: 44988006.2/74

- sign 339.894+/-0.081 χ^2/NDF: 28197460.6/37

cor_asym_usl_atl1_avg_mean vs Slug



Right In: 1891.562+/-572.244 χ^2/NDF: 12.2/15

Left Out: 1435.917+/-360.389 χ^2/NDF:17.0/20

Right Out: -1696.987+/-589.699 χ^2/NDF: 16.2/17

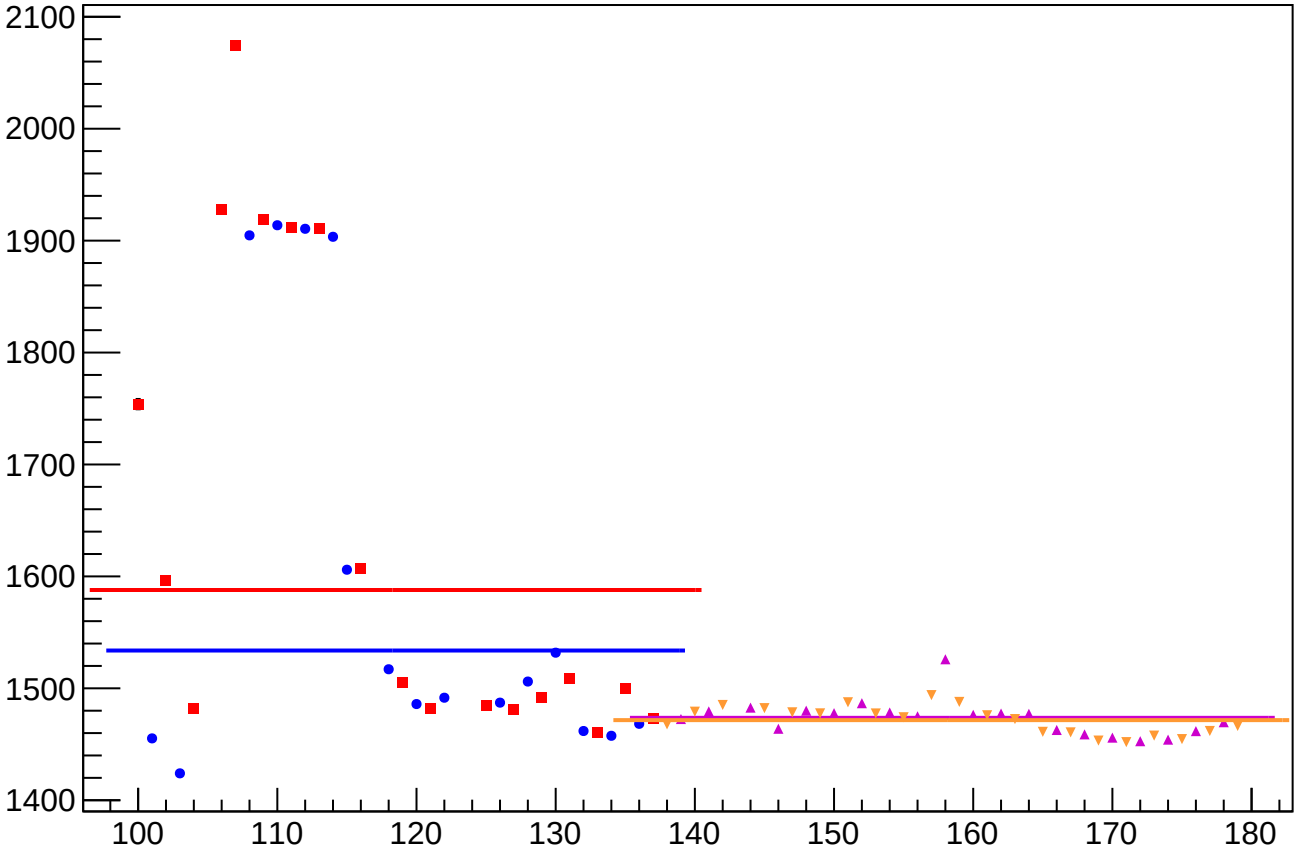
Left In: -1715.334+/-364.506 χ^2/NDF:23.8/19

+ sign 1565.315+/-304.952 χ^2/NDF: 29.6/36

All: -45.296+/-217.416 χ^2/NDF: 126.3/74

- sign -1710.262+/-310.055 χ^2/NDF: 40.0/37

cor_asym_usl_atl1_avg_rms vs Slug



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.5/15

Left Out: 1471.576+/-0.255 χ^2/NDF:2264.0/20

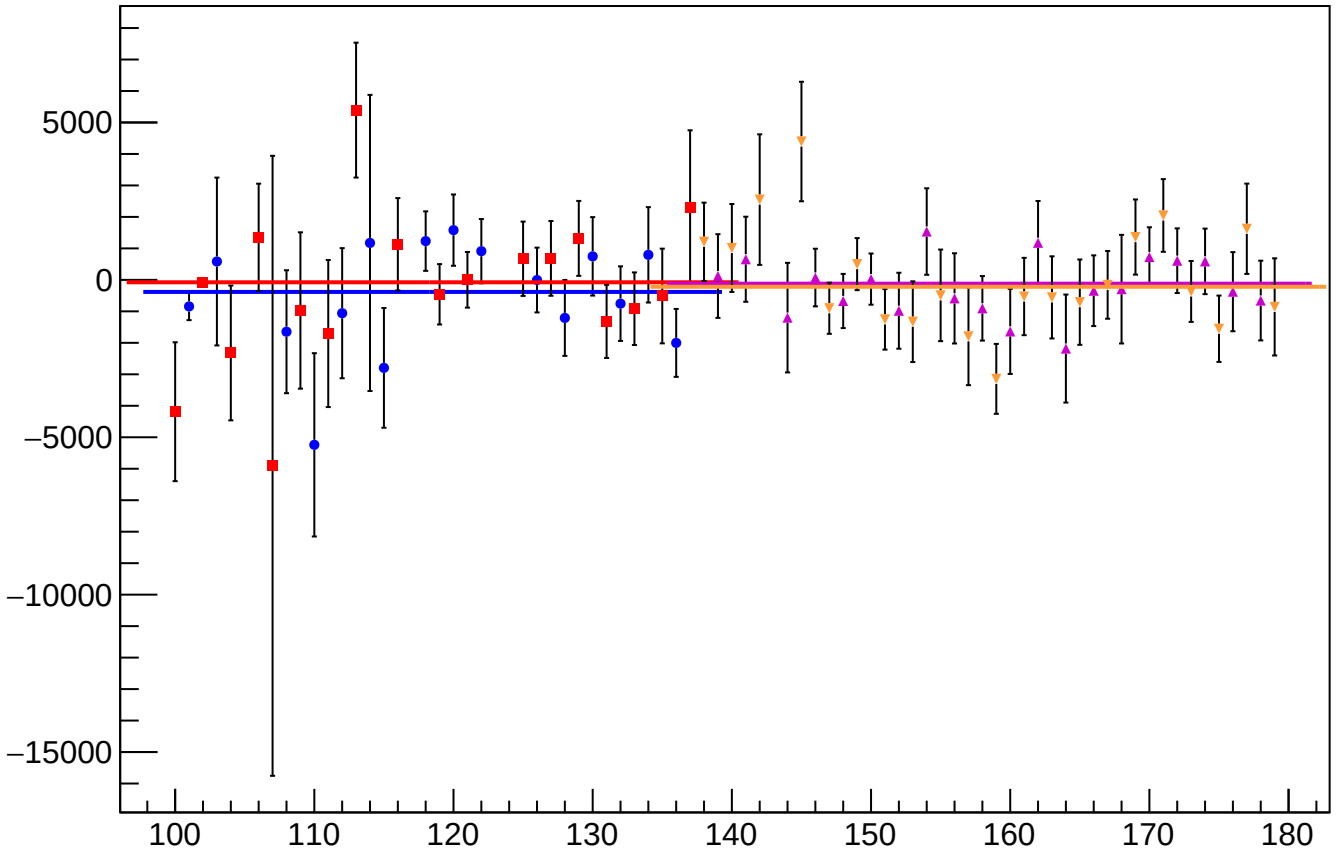
Right Out: 1587.846+/-0.417 χ^2/NDF: 173766.9/17

Left In: 1473.629+/-0.258 χ^2/NDF:3692.8/19

+ sign 1489.239+/-0.216 χ^2/NDF: 148451.3/36

All: 1497.089+/-0.154 χ^2/NDF: 382894.3/74

- sign 1505.204+/-0.219 χ^2/NDF: 231747.7/37



Right In: -382.761+/-272.209 χ^2/NDF: 18.2/15

Left Out: -218.761+/-258.001 χ^2/NDF:30.5/20

Right Out: -76.754+/-138.137 χ^2/NDF: 18.5/17

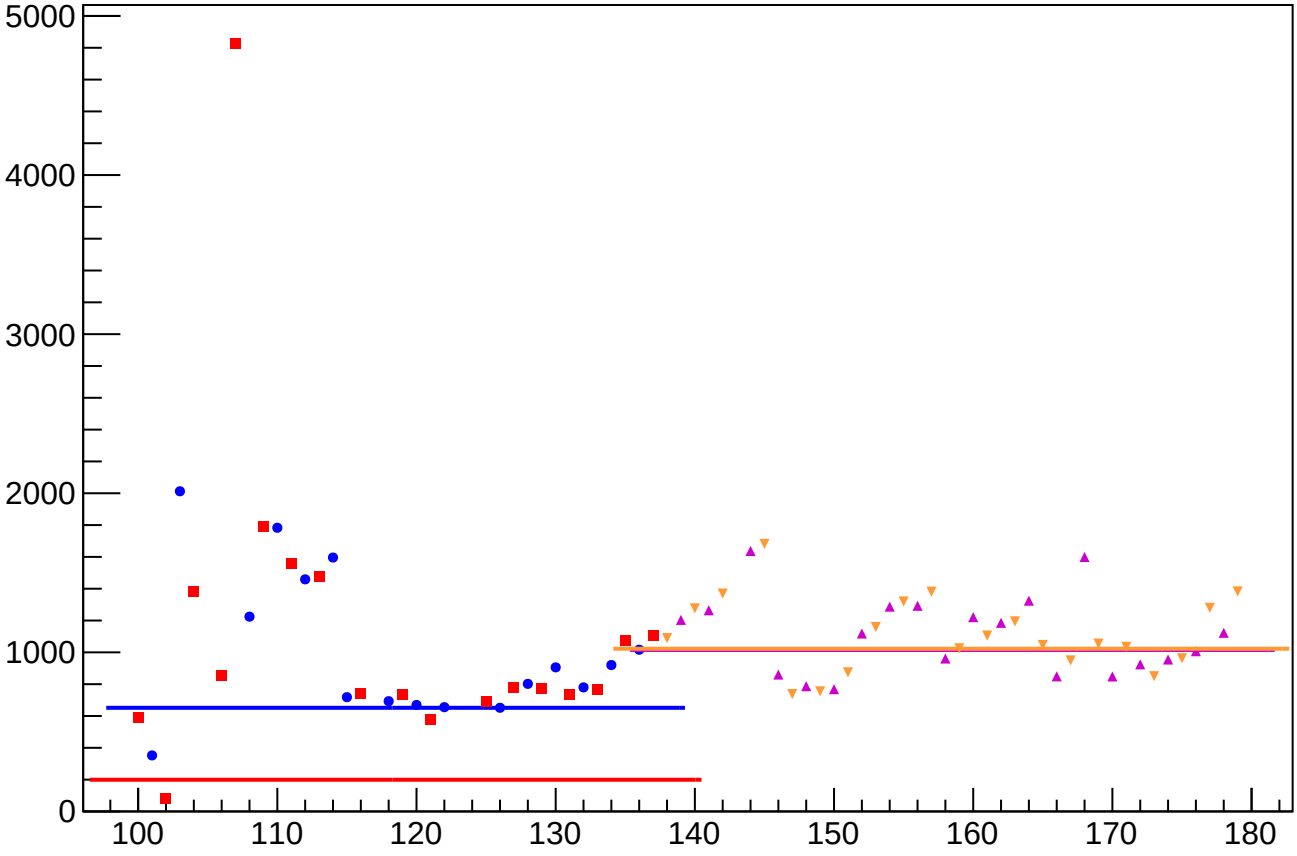
Left In: -120.914+/-258.319 χ^2/NDF:9.6/19

+ sign -296.370+/-187.256 χ^2/NDF: 48.9/36

All: -148.956+/-102.110 χ^2/NDF: 77.8/74

- sign -86.574+/-121.814 χ^2/NDF: 28.1/37

asym_usl_atl1_avg_cor_correction_rms vs Slug



Right In: 651.521+/-0.192 χ^2/NDF: 2762681.5/15

Left Out: 1022.875+/-0.182 χ^2/NDF:1384042.6/20

Right Out: 199.344+/-0.098 χ^2/NDF: 9284792.6/17

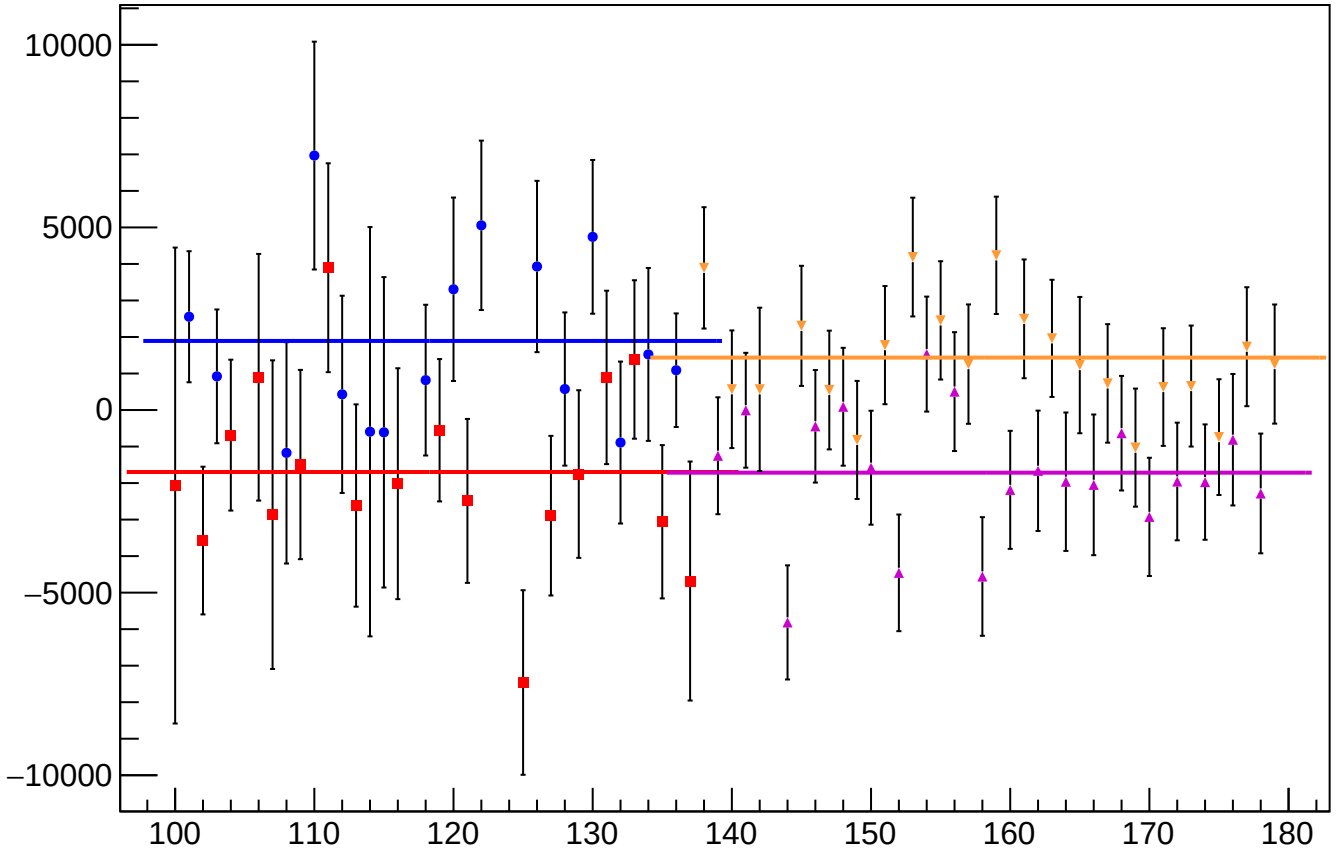
Left In: 1015.043+/-0.183 χ^2/NDF:1435475.1/19

+ sign 847.142+/-0.132 χ^2/NDF: 6107499.1/36

All: 519.417+/-0.072 χ^2/NDF: 41053875.5/74

- sign 380.732+/-0.086 χ^2/NDF: 26227998.4/37

eigen_cor_asym_usl_atl1_avg_mean vs Slug



Right In: 1891.562+/-572.244 χ^2/NDF: 12.2/15

Left Out: 1435.917+/-360.389 χ^2/NDF:17.0/20

Right Out: -1696.987+/-589.699 χ^2/NDF: 16.2/17

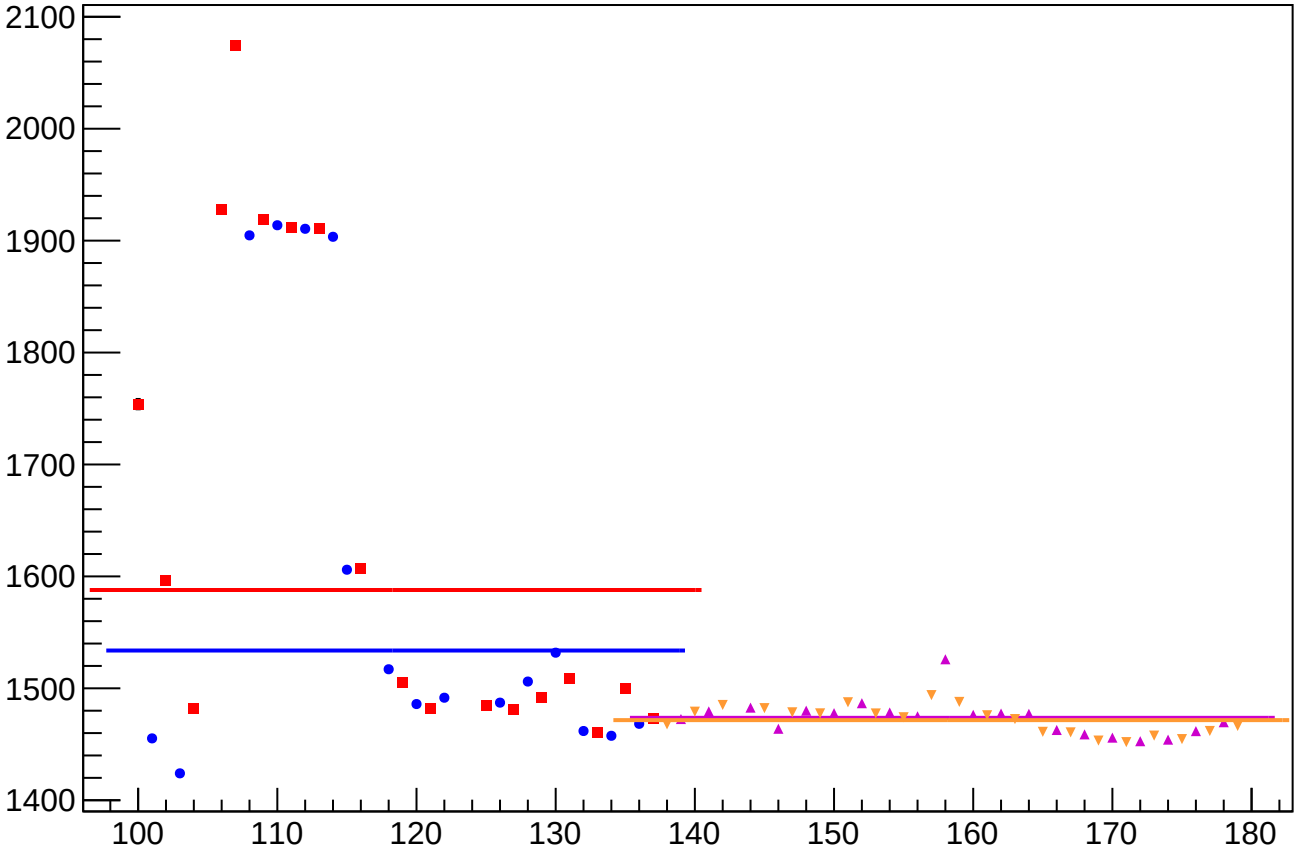
Left In: -1715.334+/-364.506 χ^2/NDF:23.8/19

+ sign 1565.315+/-304.952 χ^2/NDF: 29.6/36

All: -45.296+/-217.416 χ^2/NDF: 126.3/74

- sign -1710.262+/-310.055 χ^2/NDF: 40.0/37

eigen_cor_asym_usl_atl1_avg_rms vs Slug



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.5/15

Left Out: 1471.576+/-0.255 χ^2/NDF:2264.0/20

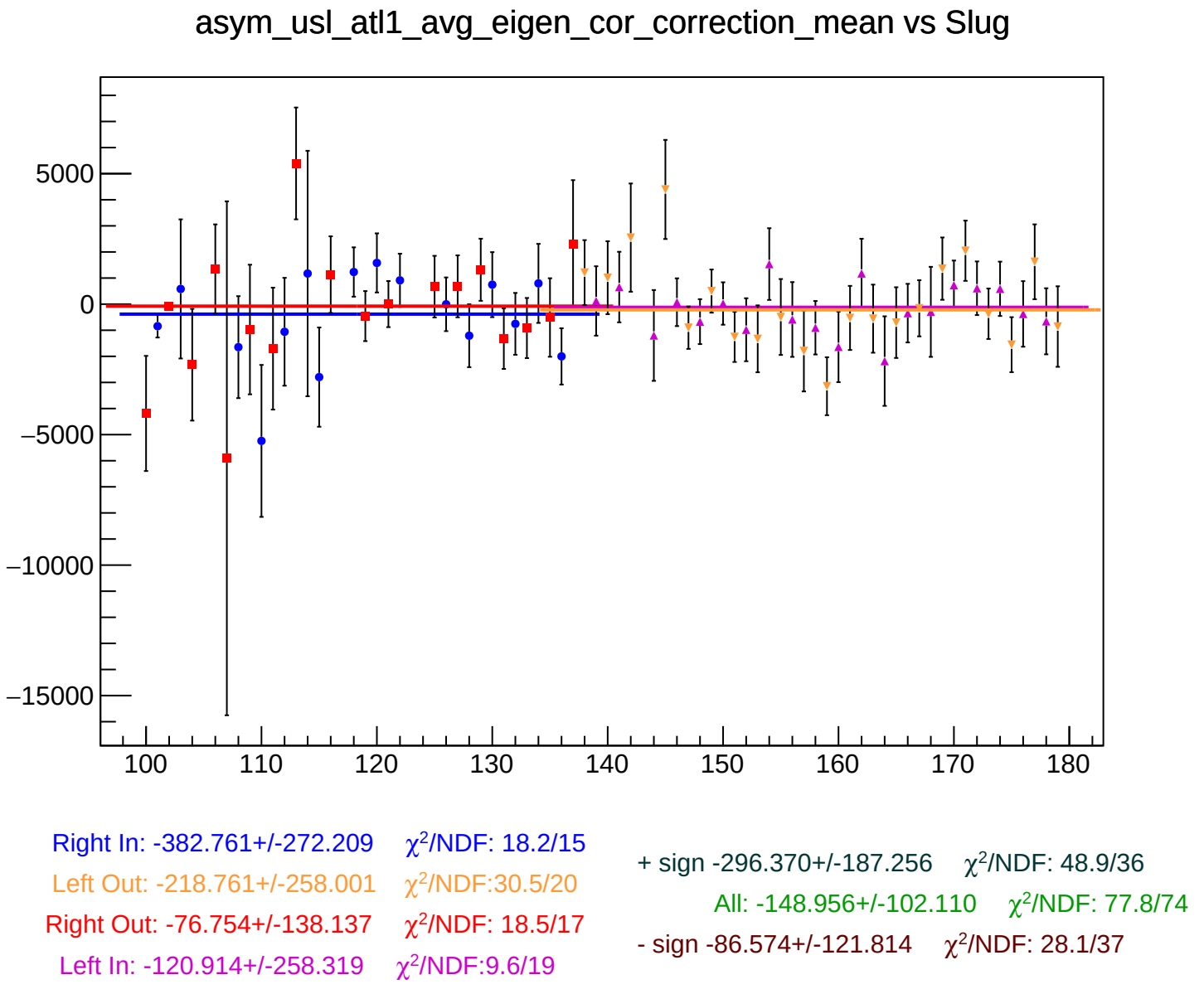
Right Out: 1587.846+/-0.417 χ^2/NDF: 173766.9/17

Left In: 1473.629+/-0.258 χ^2/NDF:3692.8/19

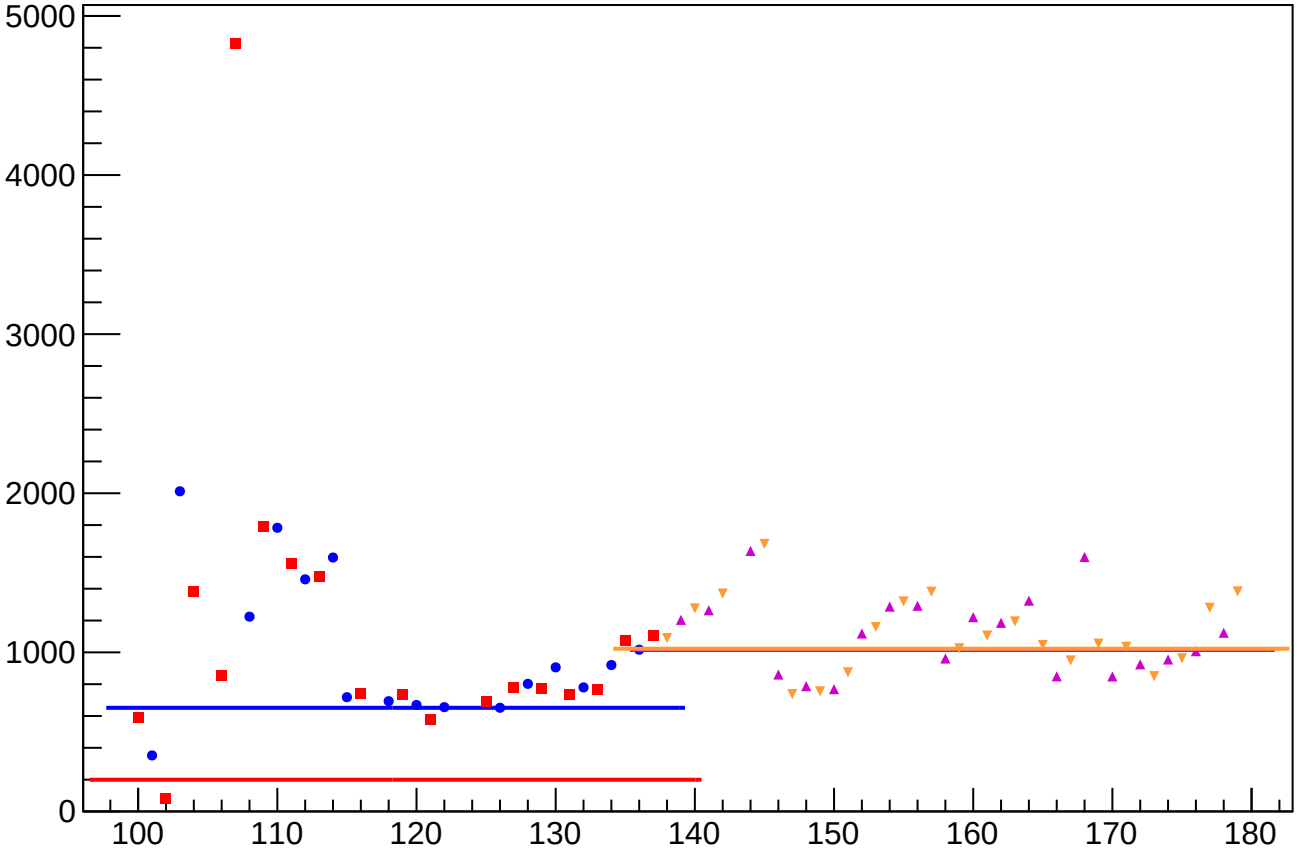
+ sign 1489.239+/-0.216 χ^2/NDF: 148451.3/36

All: 1497.089+/-0.154 χ^2/NDF: 382894.3/74

- sign 1505.204+/-0.219 χ^2/NDF: 231747.7/37


asym_usl_atl1_avg_eigen_cor_correction_mean vs Slug
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
180
Right In: -382.761+/-272.209 χ²/NDF: 18.2/15
Left Out: -218.761+/-258.001 χ²/NDF:30.5/20
Right Out: -76.754+/-138.137 χ²/NDF: 18.5/17
Left In: -120.914+/-258.319 χ²/NDF:9.6/19
+ sign -296.370+/-187.256 χ²/NDF: 48.9/36
All: -148.956+/-102.110 χ²/NDF: 77.8/74
- sign -86.574+/-121.814 χ²/NDF: 28.1/37

asym_usl_atl1_avg_eigen_cor_correction_rms vs Slug



Right In: 651.521+/-0.192 χ^2/NDF: 2762681.5/15

Left Out: 1022.875+/-0.182 χ^2/NDF:1384042.6/20

Right Out: 199.344+/-0.098 χ^2/NDF: 9284792.6/17

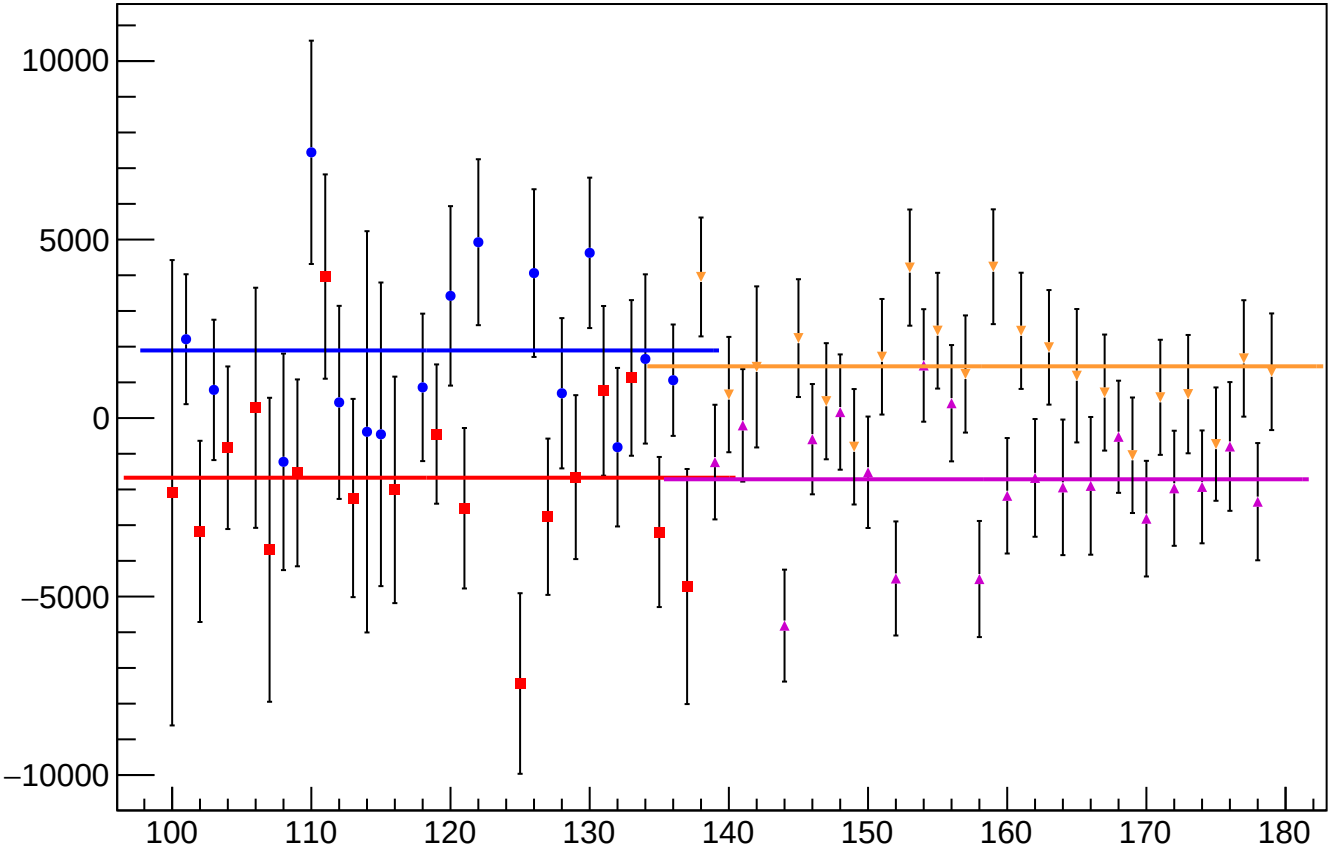
Left In: 1015.043+/-0.183 χ^2/NDF:1435475.1/19

+ sign 847.142+/-0.132 χ^2/NDF: 6107499.1/36

All: 519.417+/-0.072 χ^2/NDF: 41053875.5/74

- sign 380.732+/-0.086 χ^2/NDF: 26227998.4/37

dit_asym_usl_atl1_avg_mean vs Slug



Right In: 1894.171+/-577.631 χ^2/NDF: 12.3/15

Left Out: 1449.491+/-360.984 χ^2/NDF:16.9/20

Right Out: -1670.933+/-604.838 χ^2/NDF: 15.0/17

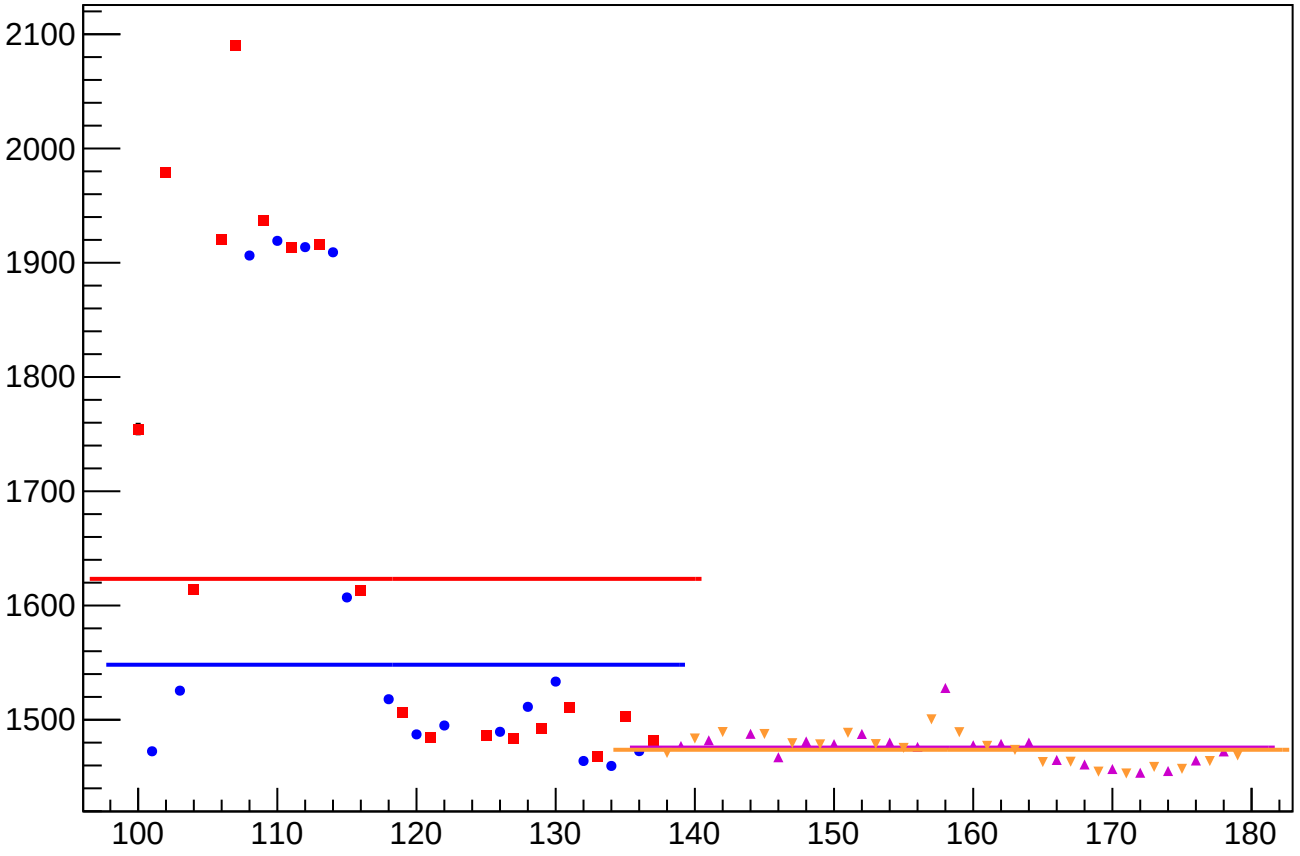
Left In: -1714.911+/-365.015 χ^2/NDF:23.1/19

+ sign 1574.384+/-306.122 χ^2/NDF: 29.6/36

All: -30.526+/-218.686 χ^2/NDF: 123.9/74

- sign -1703.171+/-312.515 χ^2/NDF: 38.2/37

dit_asym_usl_atl1_avg_rms vs Slug



Right In: 1548.174+/-0.408 χ^2/NDF: 119905.3/15

Left Out: 1473.747+/-0.255 χ^2/NDF:2501.2/20

Right Out: 1623.331+/-0.428 χ^2/NDF: 211534.0/17

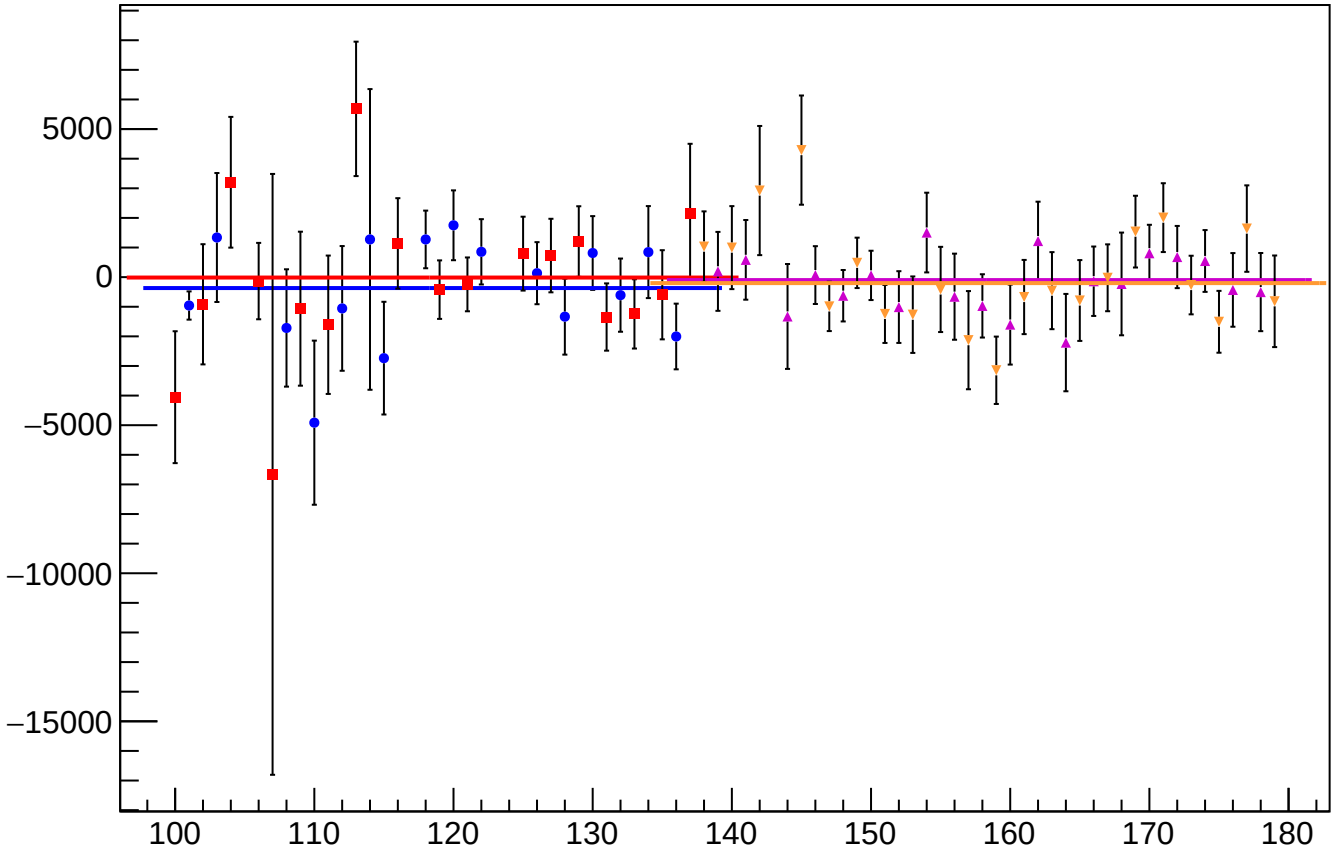
Left In: 1475.667+/-0.258 χ^2/NDF:3753.5/19

+ sign 1494.651+/-0.216 χ^2/NDF: 146284.6/36

All: 1504.659+/-0.155 χ^2/NDF: 453318.8/74

- sign 1515.089+/-0.221 χ^2/NDF: 302668.8/37

asym_usl_atl1_avg_dit_correction_mean vs Slug



Right In: -368.708+/-286.577 χ^2/NDF: 18.9/15

Left Out: -201.462+/-261.726 χ^2/NDF:30.6/20

Right Out: -13.729+/-341.569 χ^2/NDF: 19.1/17

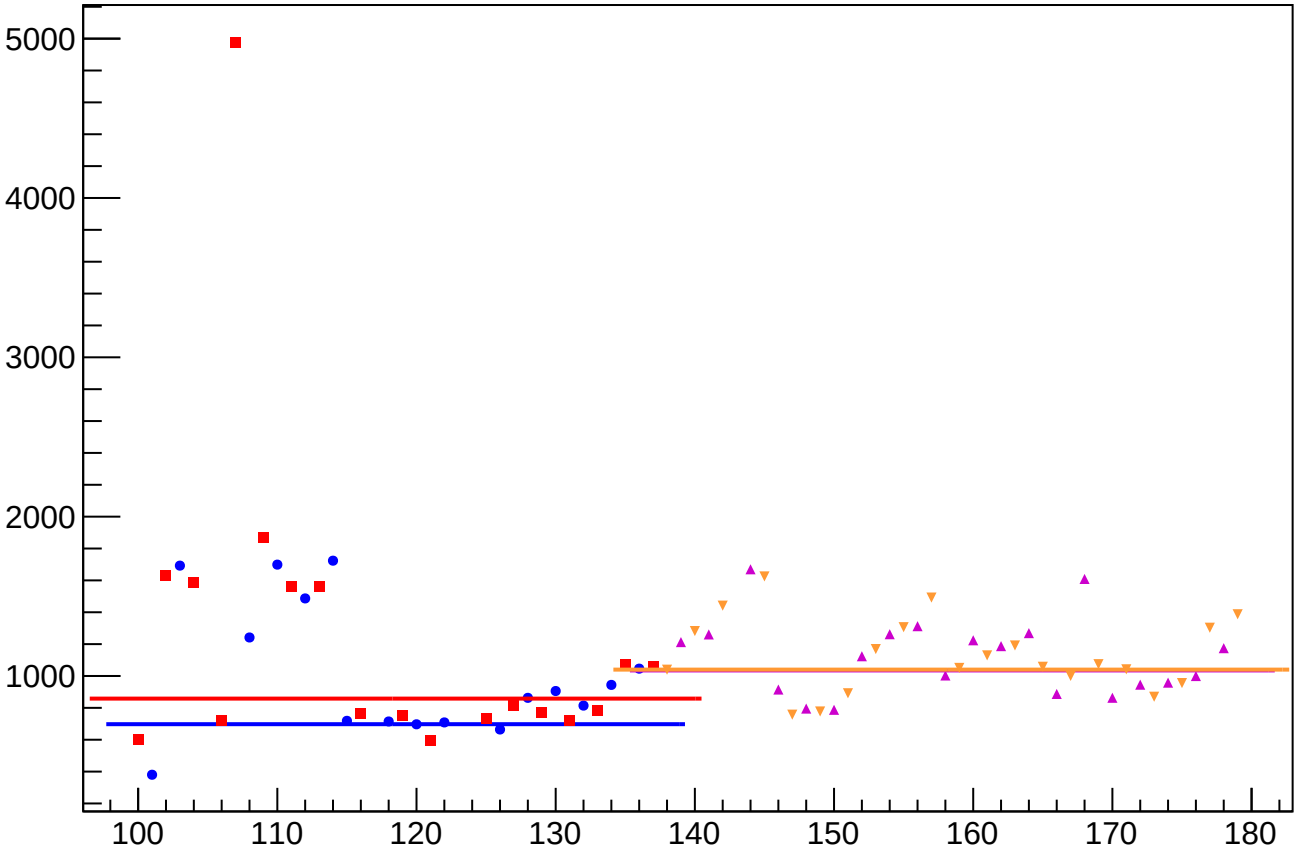
Left In: -99.730+/-262.548 χ^2/NDF:9.9/19

+ sign -277.521+/-193.258 χ^2/NDF: 49.7/36

All: -180.431+/-141.629 χ^2/NDF: 79.2/74

- sign -67.790+/-208.160 χ^2/NDF: 29.0/37

asym_usl_atl1_avg_dit_correction_rms vs Slug



Right In: 697.517+/-0.203 χ^2/NDF: 2435601.0/15

Left Out: 1039.995+/-0.185 χ^2/NDF:1312591.3/20

Right Out: 858.095+/-0.242 χ^2/NDF: 1882164.5/17

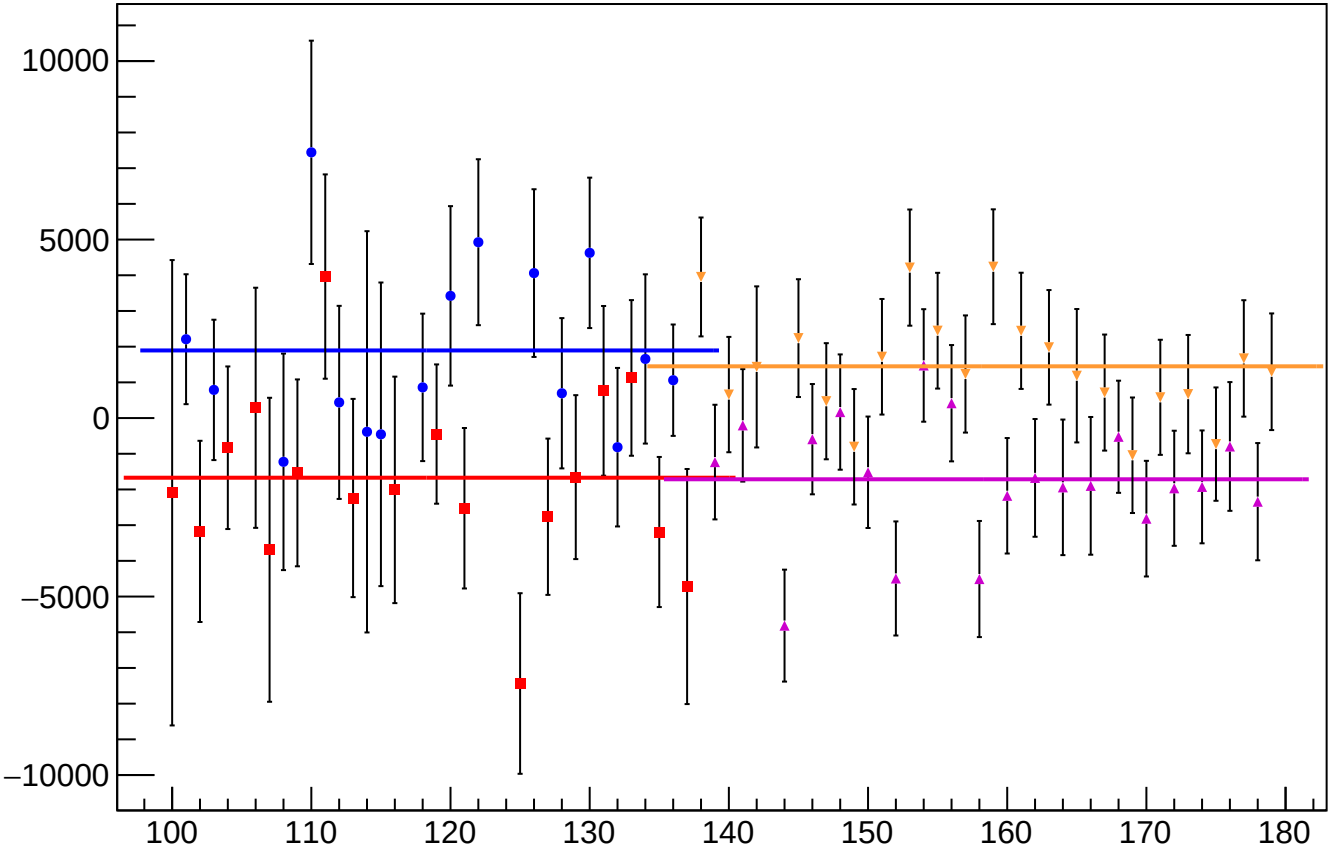
Left In: 1034.792+/-0.186 χ^2/NDF:1319618.2/19

+ sign 884.246+/-0.137 χ^2/NDF: 5305568.9/36

All: 923.558+/-0.100 χ^2/NDF: 9022567.0/74

- sign 969.168+/-0.147 χ^2/NDF: 3538222.5/37

eigen_dit_asym_usl_atl1_avg_mean vs Slug



Right In: 1894.169+/-577.630 χ^2/NDF: 12.3/15

Left Out: 1449.490+/-360.984 χ^2/NDF:16.9/20

Right Out: -1670.931+/-604.838 χ^2/NDF: 15.0/17

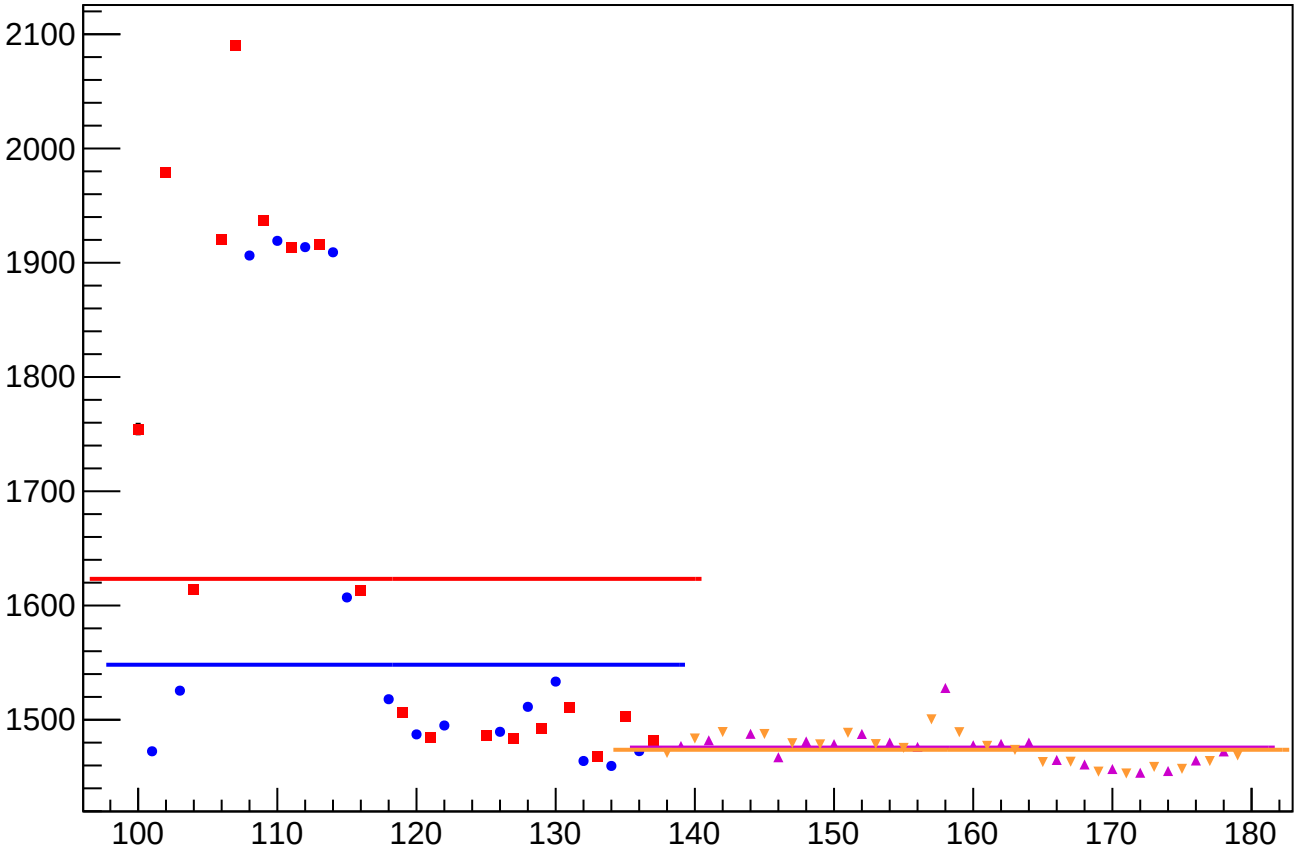
Left In: -1714.913+/-365.015 χ^2/NDF:23.1/19

+ sign 1574.382+/-306.122 χ^2/NDF: 29.6/36

All: -30.527+/-218.686 χ^2/NDF: 123.9/74

- sign -1703.171+/-312.515 χ^2/NDF: 38.2/37

eigen_dit_asym_usl_atl1_avg_rms vs Slug



Right In: 1548.174+/-0.408 χ^2/NDF: 119905.4/15

Left Out: 1473.747+/-0.255 χ^2/NDF:2501.2/20

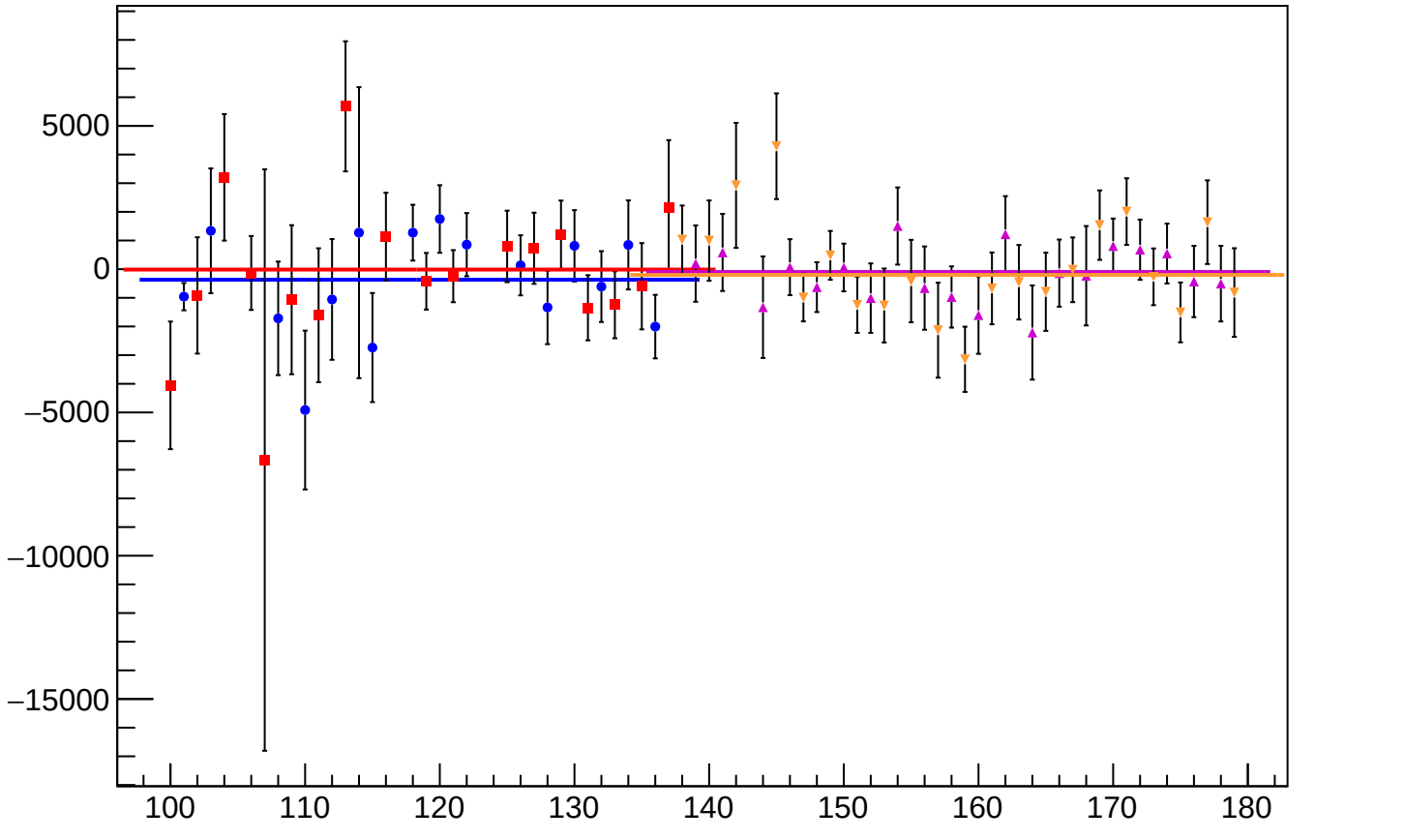
Right Out: 1623.330+/-0.428 χ^2/NDF: 211533.9/17

Left In: 1475.667+/-0.258 χ^2/NDF:3753.5/19

+ sign 1494.651+/-0.216 χ^2/NDF: 146284.5/36

All: 1504.659+/-0.155 χ^2/NDF: 453318.2/74

- sign 1515.089+/-0.221 χ^2/NDF: 302668.3/37



Right In: -368.707+/-286.576 χ^2/NDF: 18.9/15

Left Out: -201.464+/-261.726 χ^2/NDF:30.6/20

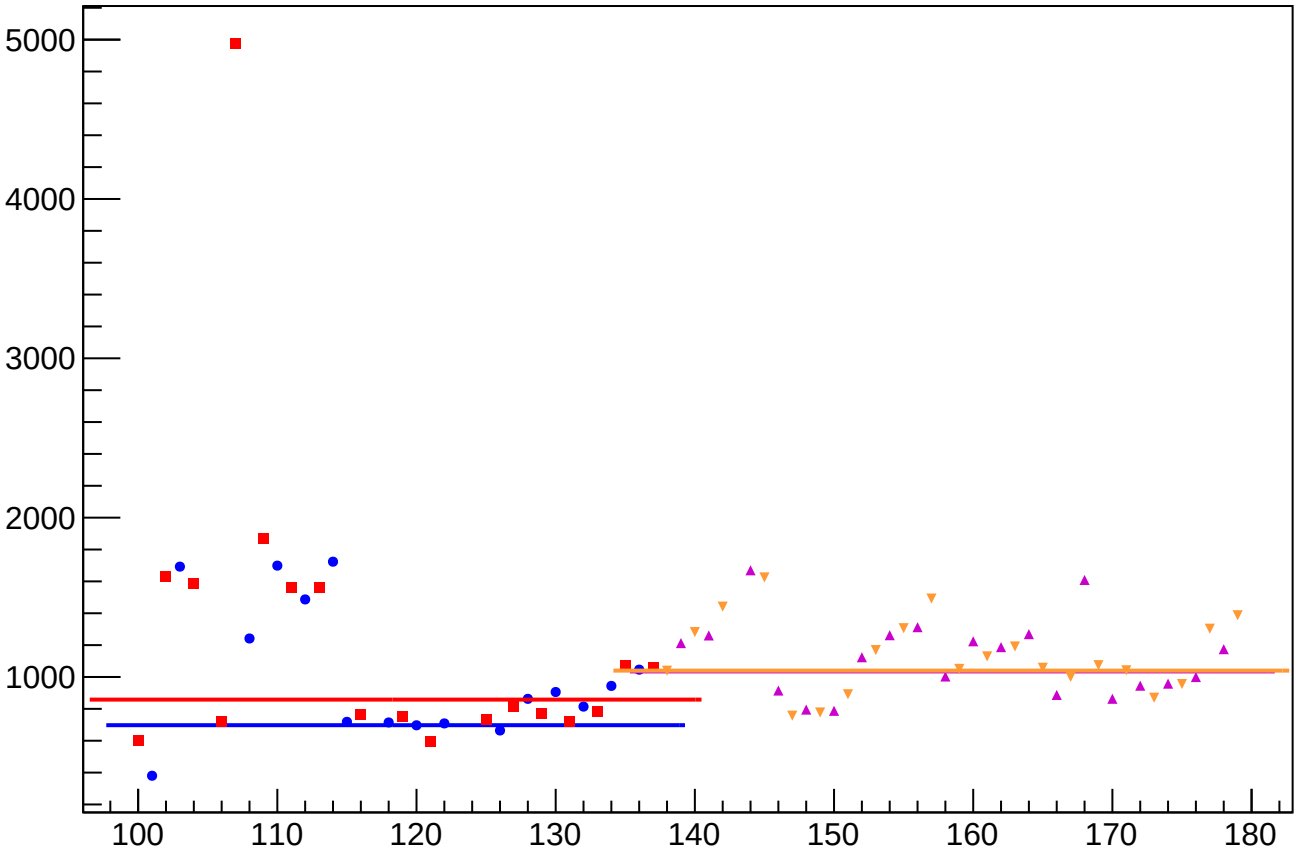
Right Out: -13.730+/-341.568 χ^2/NDF: 19.1/17

Left In: -99.731+/-262.548 χ^2/NDF:9.9/19

+ sign -277.521+/-193.258 χ^2/NDF: 49.7/36

All: -180.431+/-141.629 χ^2/NDF: 79.2/74

- sign -67.790+/-208.160 χ^2/NDF: 29.0/37



Right In: 697.517+/-0.203 χ^2/NDF: 2435593.9/15

Left Out: 1039.996+/-0.185 χ^2/NDF:1312589.4/20

Right Out: 858.094+/-0.242 χ^2/NDF: 1882174.1/17

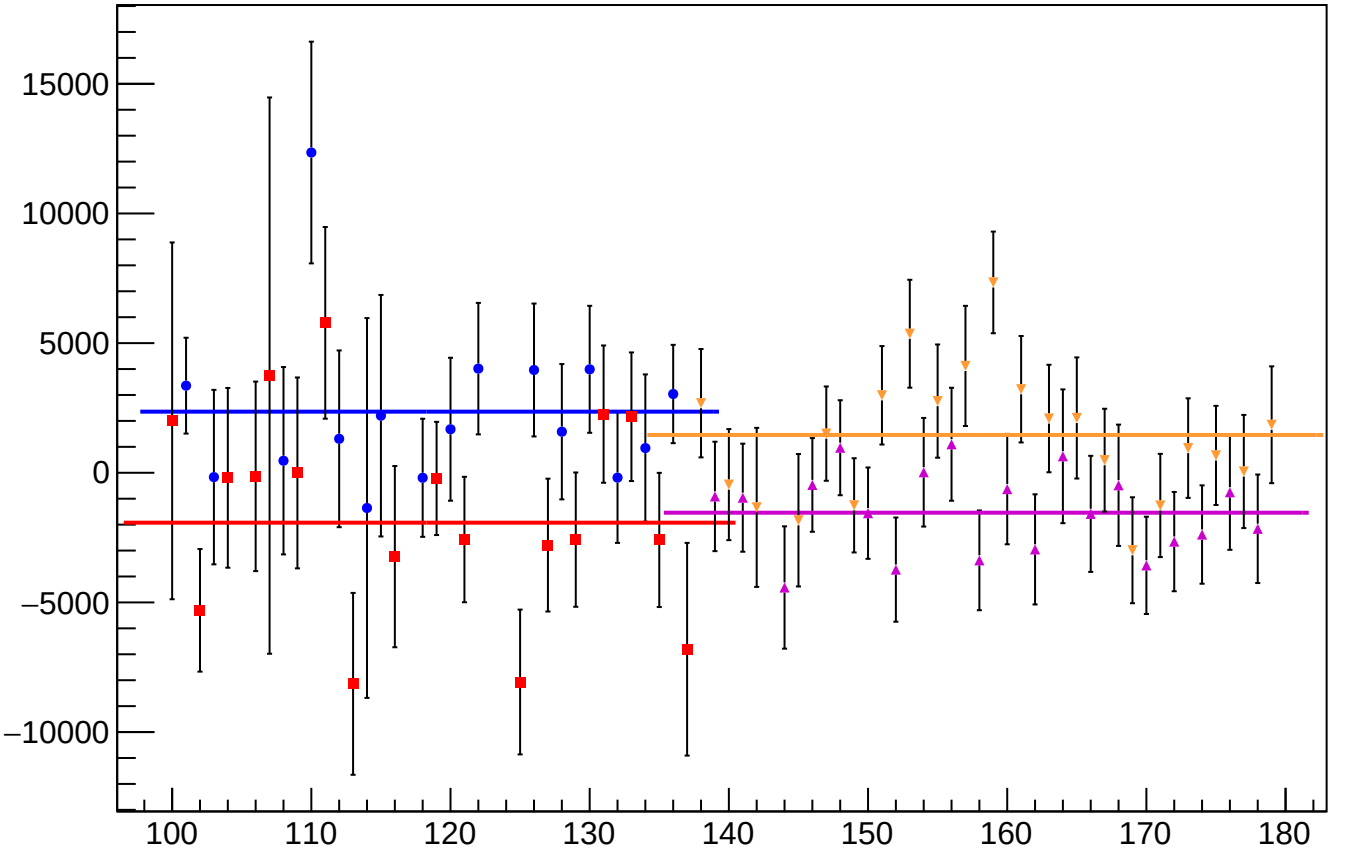
Left In: 1034.794+/-0.186 χ^2/NDF:1319614.6/19

+ sign 884.246+/-0.137 χ^2/NDF: 5305572.0/36

All: 923.559+/-0.100 χ^2/NDF: 9022586.5/74

- sign 969.168+/-0.147 χ^2/NDF: 3538241.0/37

asym_usl_atl1_avg_mean vs Slug



Right In: 2356.998+/-678.944 χ^2/NDF: 11.0/15

Left Out: 1457.922+/-455.096 χ^2/NDF:29.2/20

Right Out: -1924.824+/-706.809 χ^2/NDF: 23.4/17

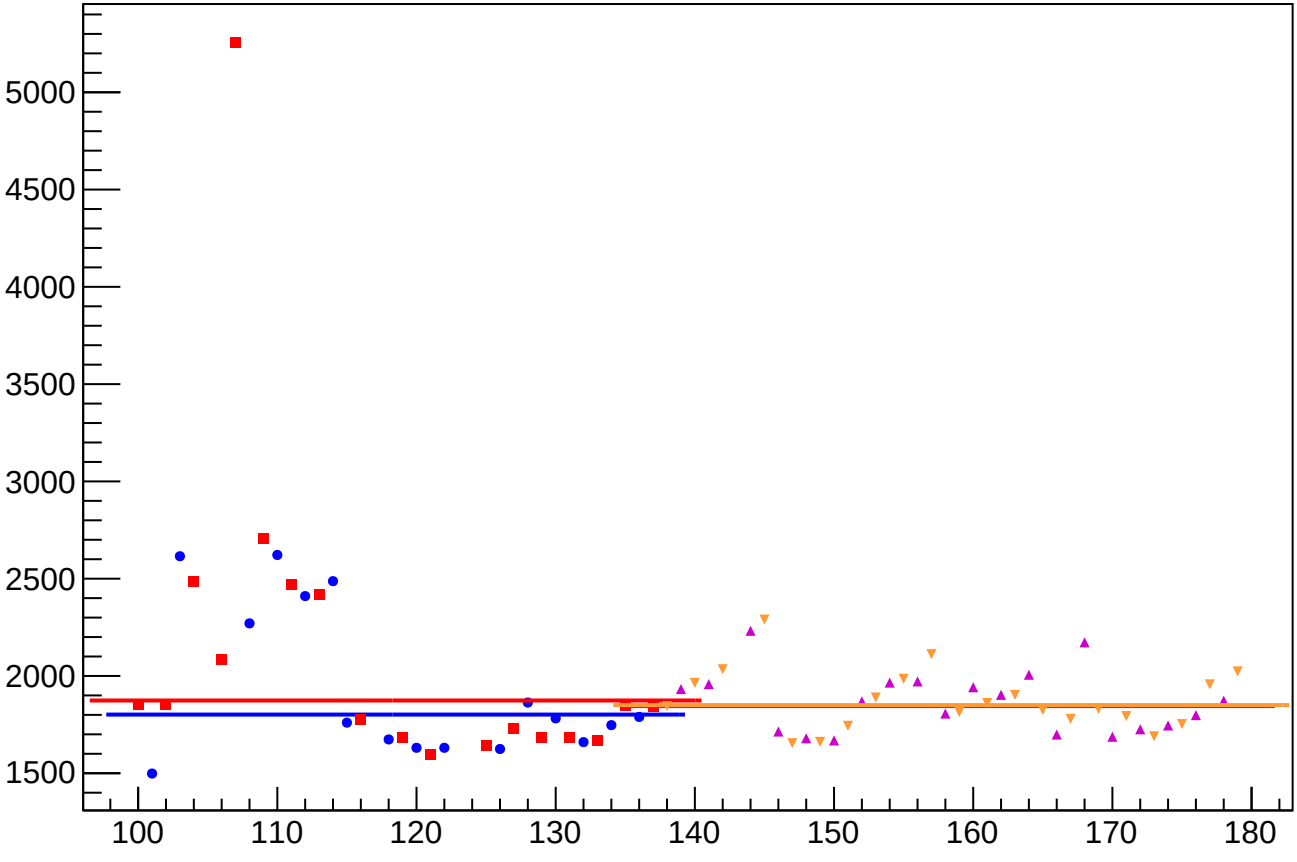
Left In: -1540.395+/-458.380 χ^2/NDF:11.5/19

+ sign 1736.647+/-378.028 χ^2/NDF: 41.4/36

All: 70.377+/-269.595 χ^2/NDF: 116.1/74

- sign -1654.210+/-384.586 χ^2/NDF: 35.1/37

asym_usl_atl1_avg_rms vs Slug



Right In: 1801.529+/-0.480 χ^2/NDF: 400702.5/15

Left Out: 1850.384+/-0.322 χ^2/NDF:199558.9/20

Right Out: 1873.976+/-0.500 χ^2/NDF: 569909.0/17

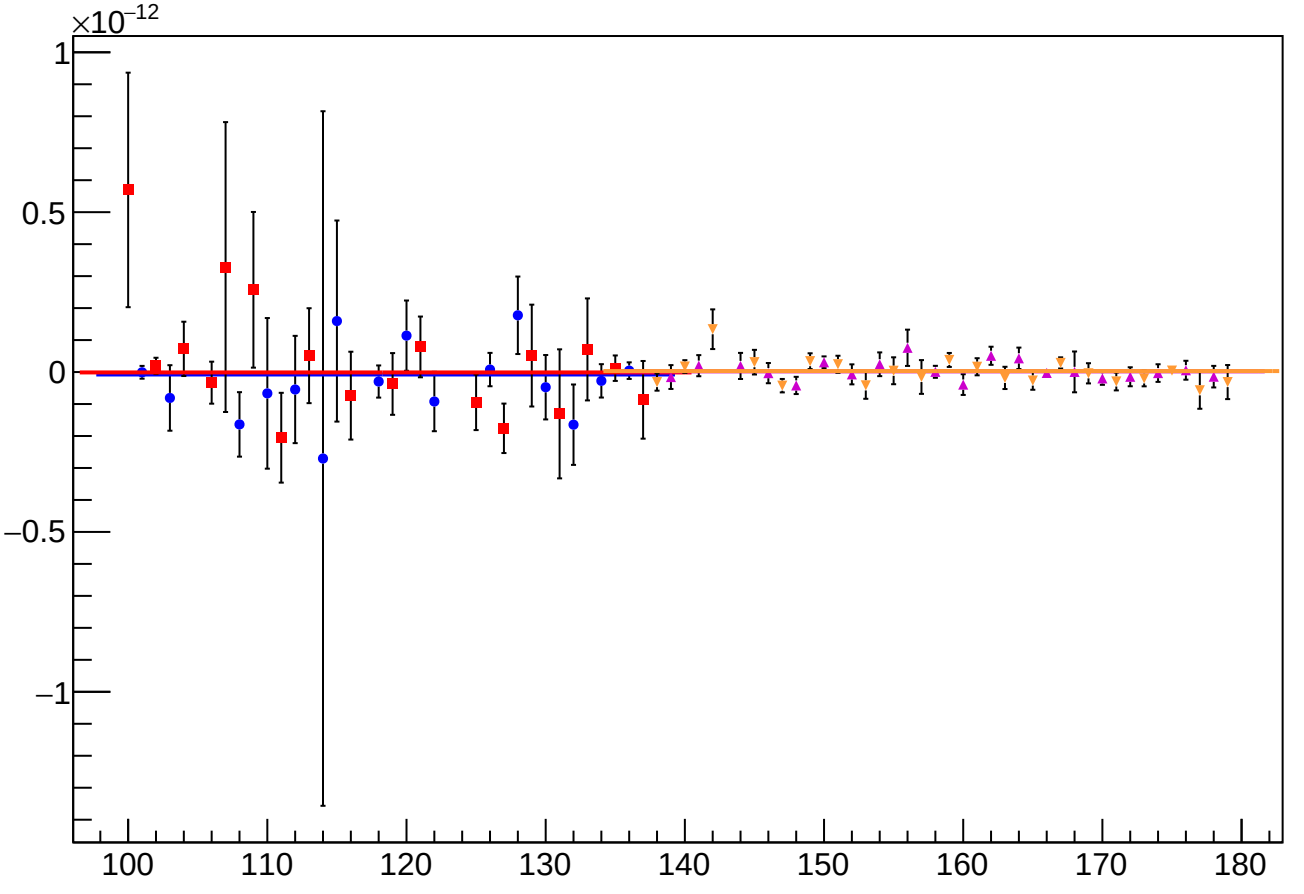
Left In: 1845.230+/-0.324 χ^2/NDF:214419.3/19

+ sign 1835.239+/-0.267 χ^2/NDF: 607407.0/36

All: 1844.330+/-0.191 χ^2/NDF: 1396418.3/74

- sign 1853.740+/-0.272 χ^2/NDF: 786657.1/37

asym_usl_atl1_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 10.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/20

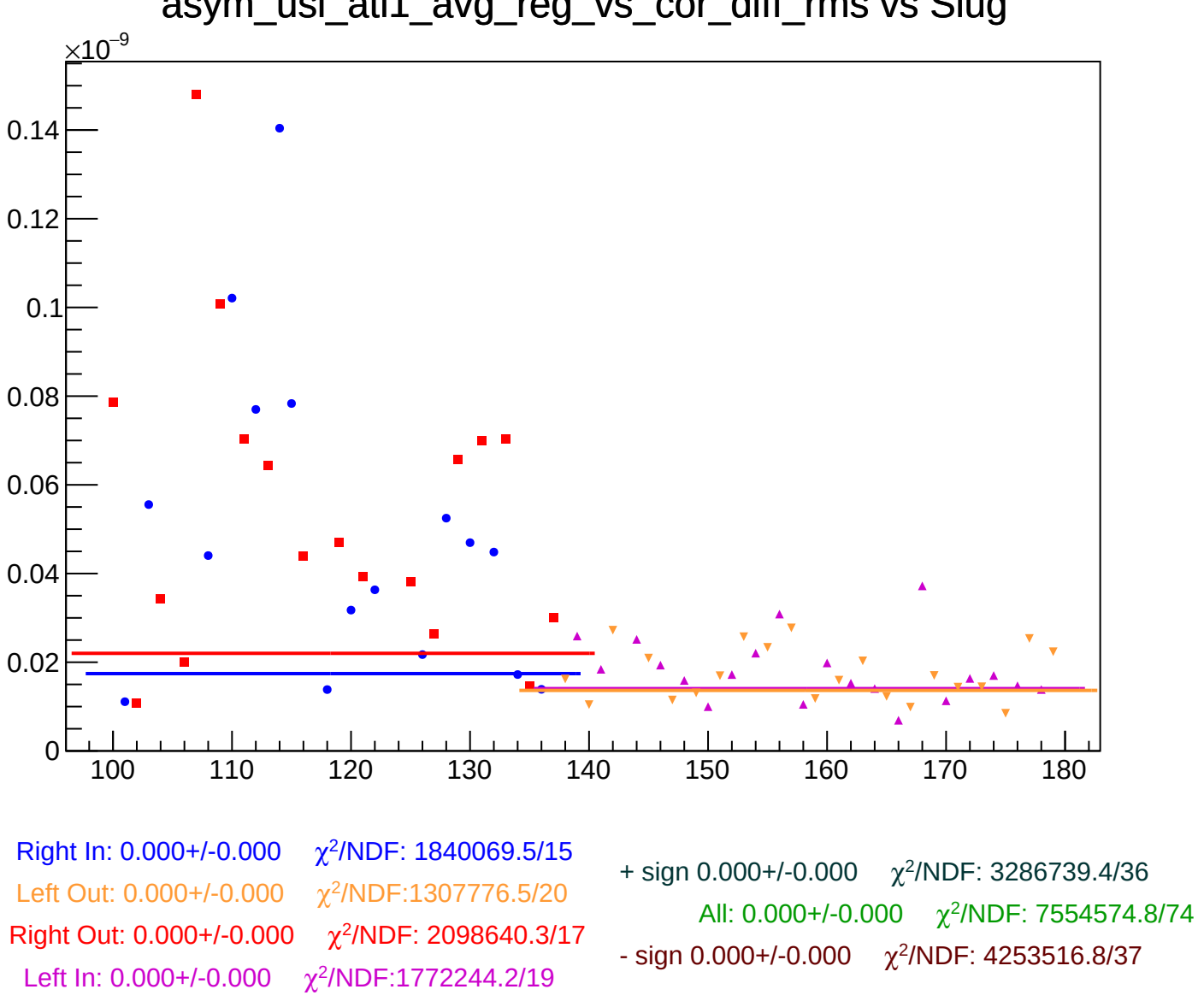
Right Out: -0.000+/-0.000 χ^2/NDF: 16.7/17

Left In: 0.000+/-0.000 χ^2/NDF:15.9/19

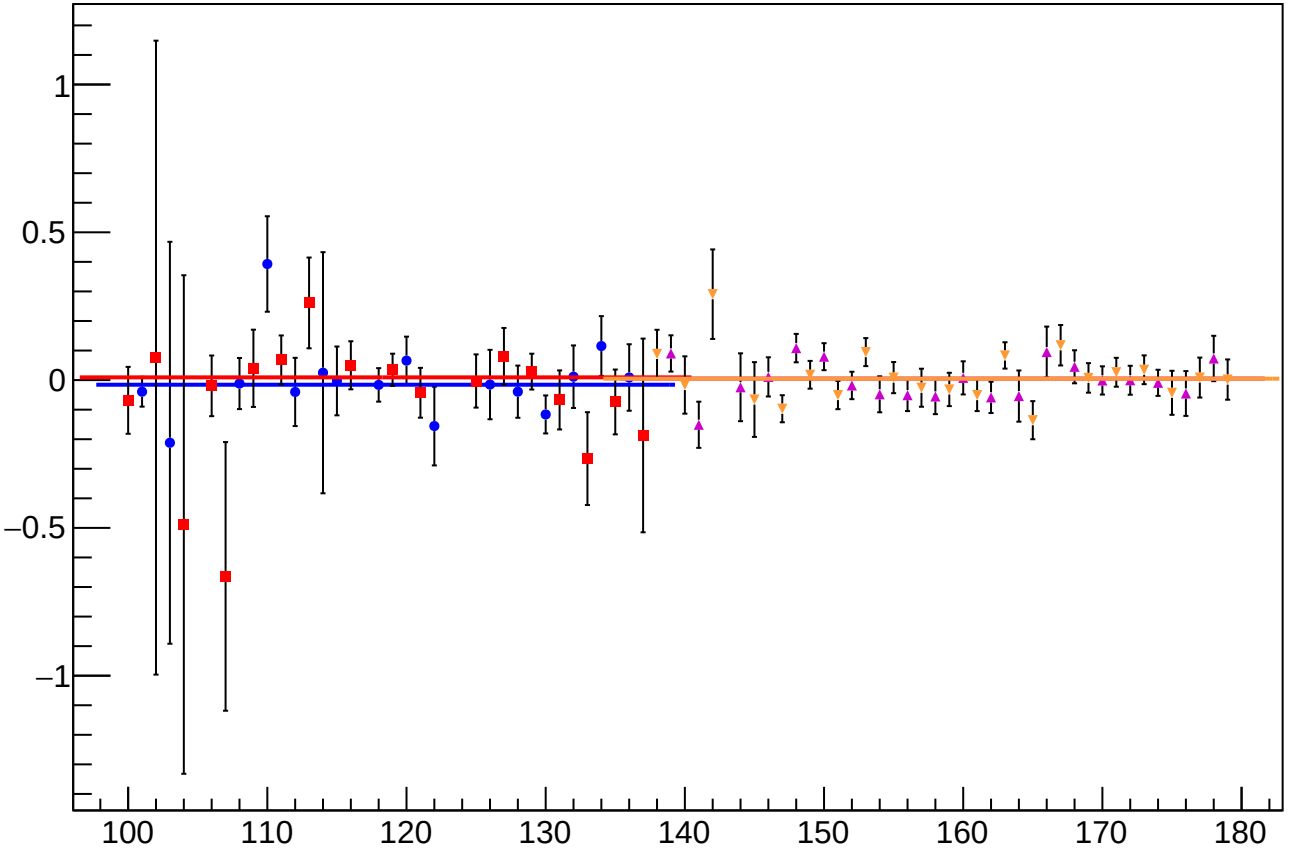
+ sign 0.000+/-0.000 χ^2/NDF: 36.2/36

All: 0.000+/-0.000 χ^2/NDF: 68.8/74

- sign 0.000+/-0.000 χ^2/NDF: 32.6/37


asym_usl_atl1_avg_reg_vs_cor_diff_rms vs Slug
×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
180
Right In: 0.000+/-0.000 χ²/NDF: 1840069.5/15
Left Out: 0.000+/-0.000 χ²/NDF:1307776.5/20
Right Out: 0.000+/-0.000 χ²/NDF: 2098640.3/17
Left In: 0.000+/-0.000 χ²/NDF:1772244.2/19
+ sign 0.000+/-0.000 χ²/NDF: 3286739.4/36
All: 0.000+/-0.000 χ²/NDF: 7554574.8/74
- sign 0.000+/-0.000 χ²/NDF: 4253516.8/37

asym_usl_atl1_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.005+/-0.013 χ^2/NDF:28.2/20

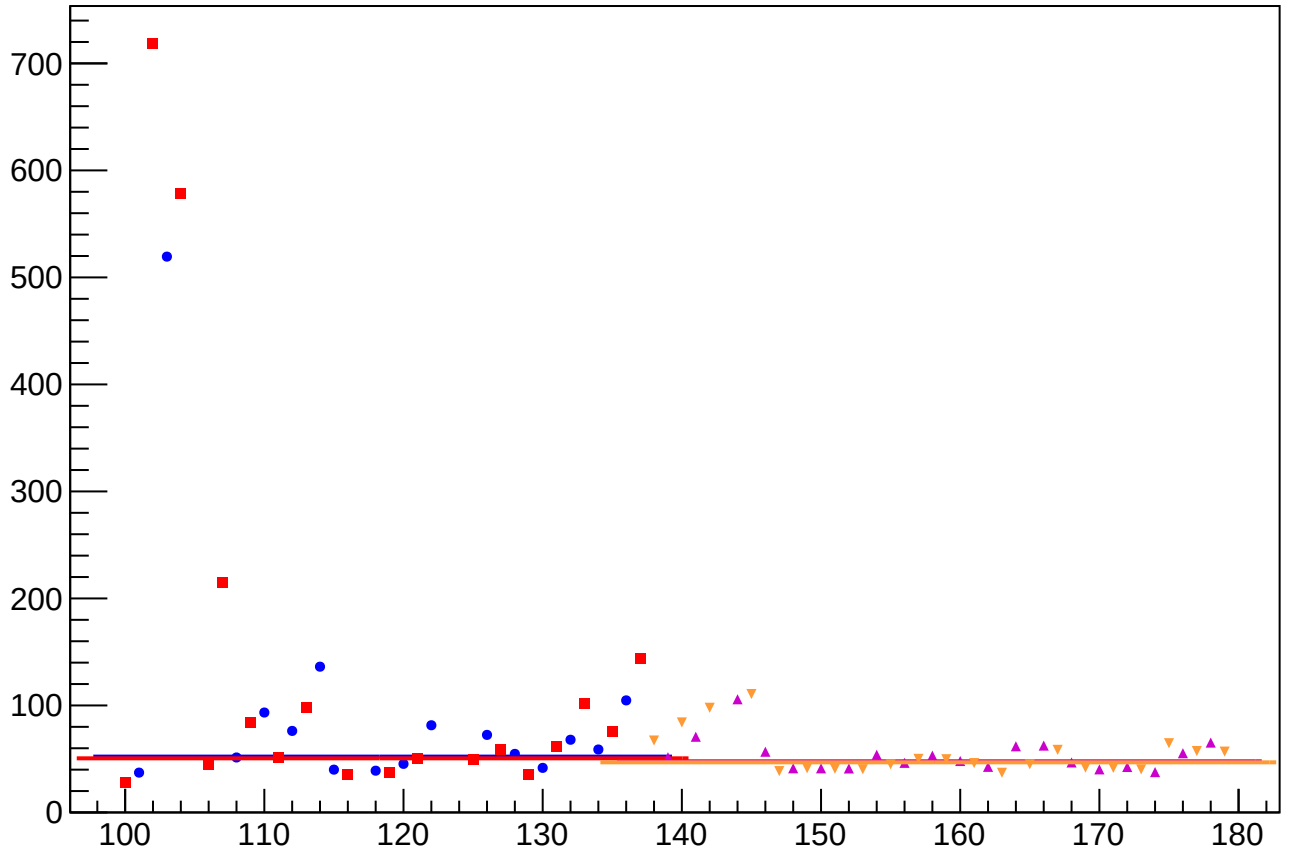
Right Out: 0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: 0.005+/-0.013 χ^2/NDF:21.2/19

+ sign -0.000+/-0.011 χ^2/NDF: 42.0/36

All: 0.003+/-0.008 χ^2/NDF: 75.9/74

- sign 0.006+/-0.011 χ^2/NDF: 33.7/37



Right In: 52.191+/-0.016 χ^2/NDF: 2266928.1/15

Left Out: 46.839+/-0.009 χ^2/NDF:1771088.0/20

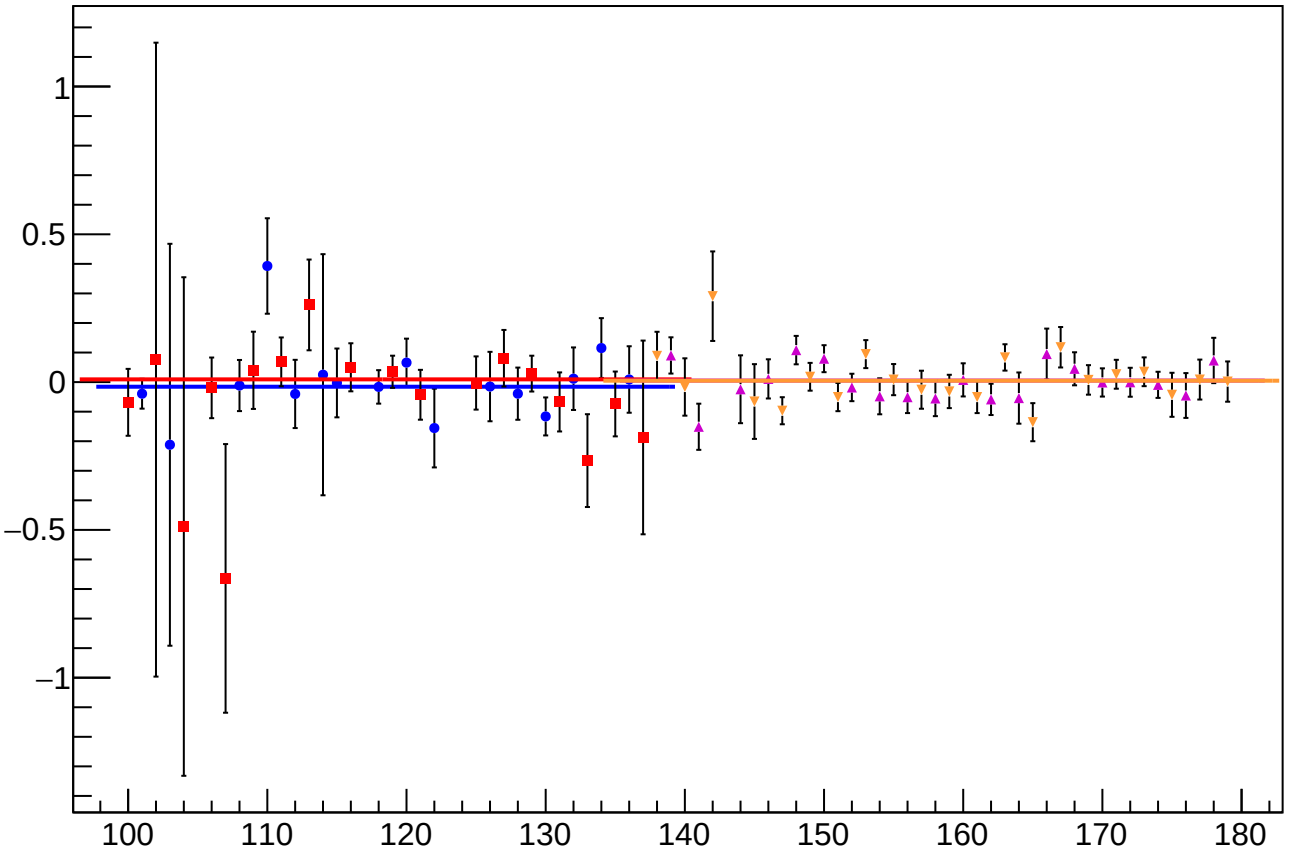
Right Out: 50.582+/-0.017 χ^2/NDF: 3051379.6/17

Left In: 47.830+/-0.009 χ^2/NDF:1316037.2/19

+ sign 48.112+/-0.008 χ^2/NDF: 4123165.5/36

All: 48.284+/-0.006 χ^2/NDF: 8512504.9/74

- sign 48.465+/-0.008 χ^2/NDF: 4388342.2/37



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.005+/-0.013 χ^2/NDF:28.2/20

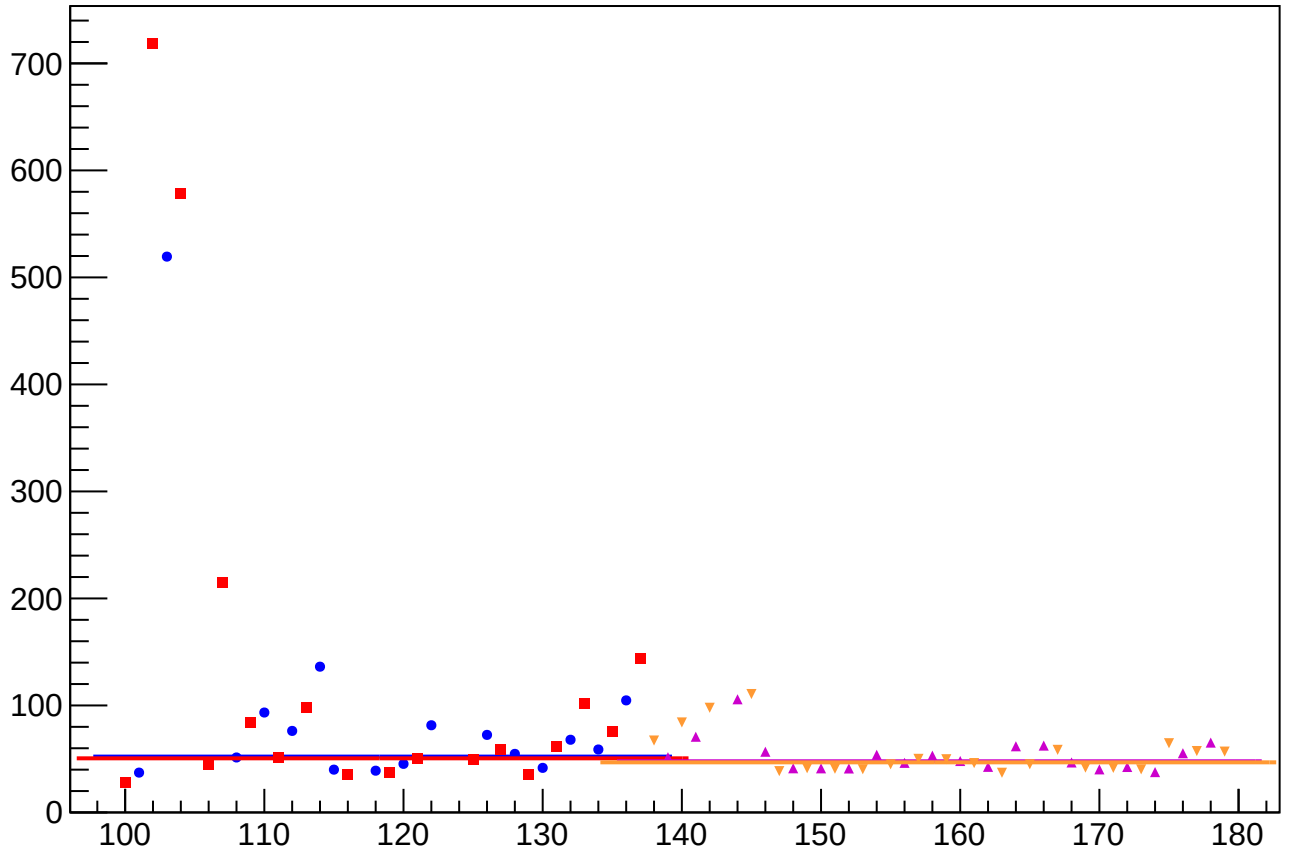
Right Out: 0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: 0.005+/-0.013 χ^2/NDF:21.2/19

+ sign -0.000+/-0.011 χ^2/NDF: 42.0/36

All: 0.003+/-0.008 χ^2/NDF: 75.9/74

- sign 0.006+/-0.011 χ^2/NDF: 33.7/37



Right In: 52.191+/-0.016 χ^2/NDF: 2266928.1/15

Left Out: 46.839+/-0.009 χ^2/NDF:1771088.0/20

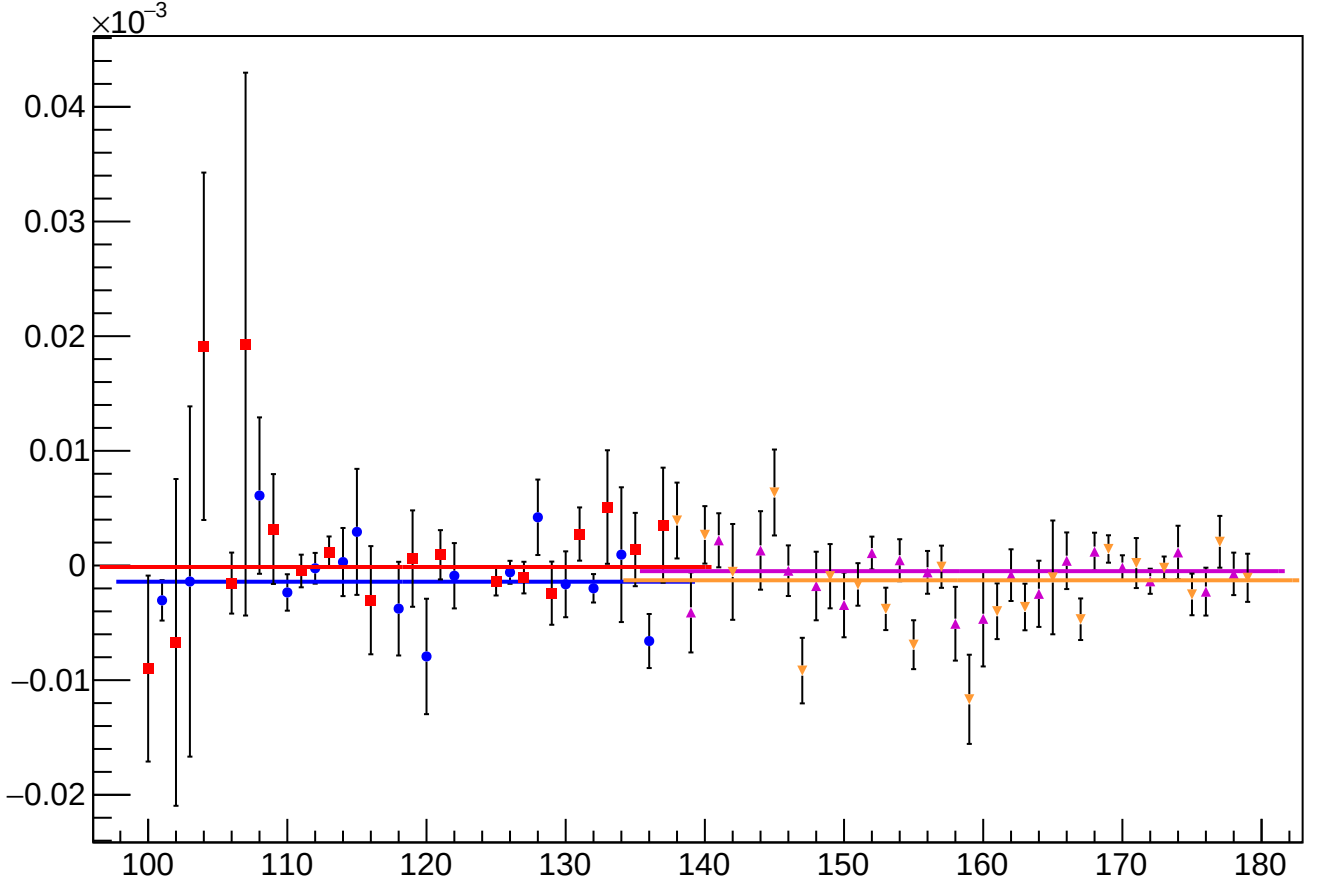
Right Out: 50.582+/-0.017 χ^2/NDF: 3051379.6/17

Left In: 47.830+/-0.009 χ^2/NDF:1316037.2/19

+ sign 48.112+/-0.008 χ^2/NDF: 4123165.5/36

All: 48.284+/-0.006 χ^2/NDF: 8512504.9/74

- sign 48.465+/-0.008 χ^2/NDF: 4388342.2/37



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

Left Out: -0.000+/-0.000 χ^2/NDF:48.8/20

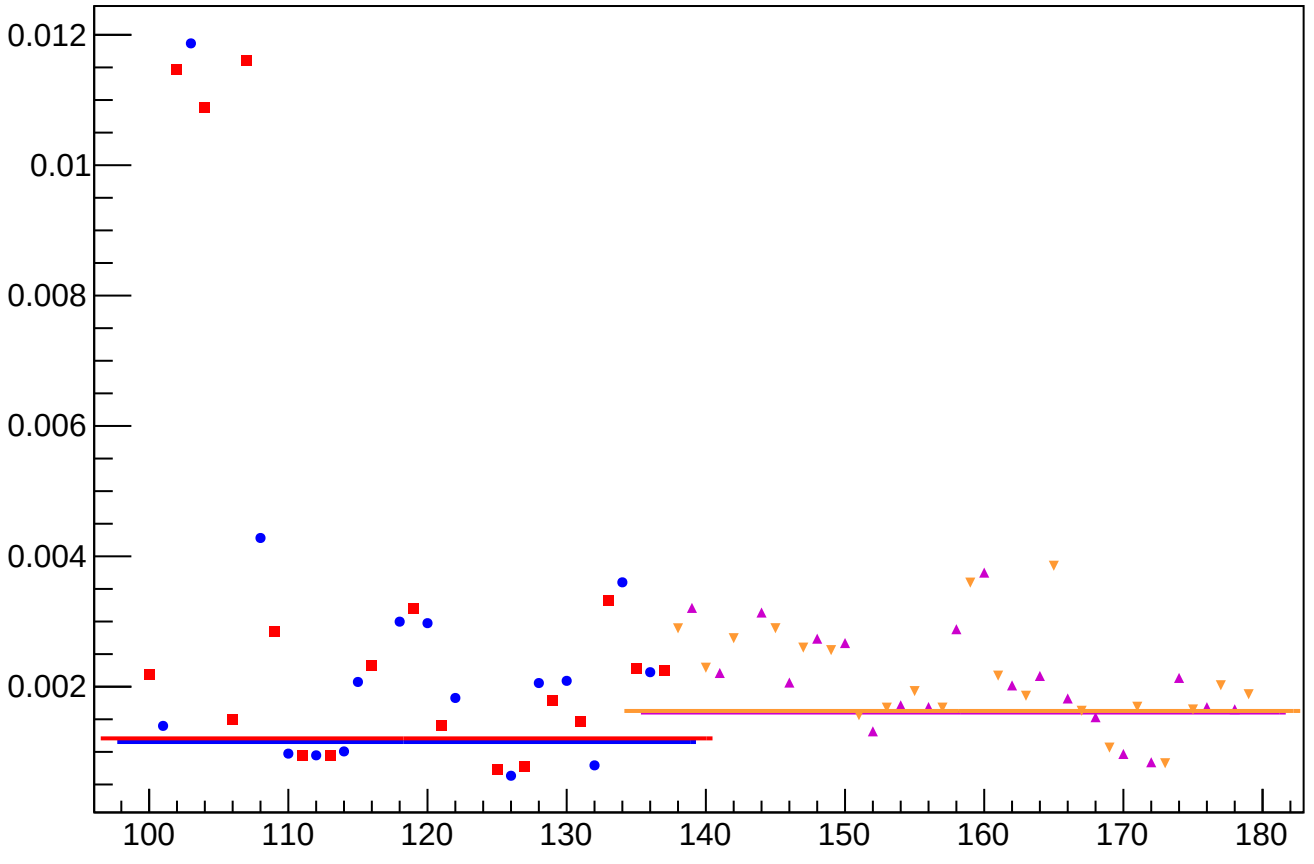
Right Out: -0.000+/-0.000 χ^2/NDF: 11.6/17

Left In: -0.000+/-0.000 χ^2/NDF:12.1/19

+ sign -0.000+/-0.000 χ^2/NDF: 63.8/36

All: -0.000+/-0.000 χ^2/NDF: 92.0/74

- sign -0.000+/-0.000 χ^2/NDF: 24.0/37



Right In: 0.001+/-0.000 χ^2/NDF: 4187928.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:4201981.6/20

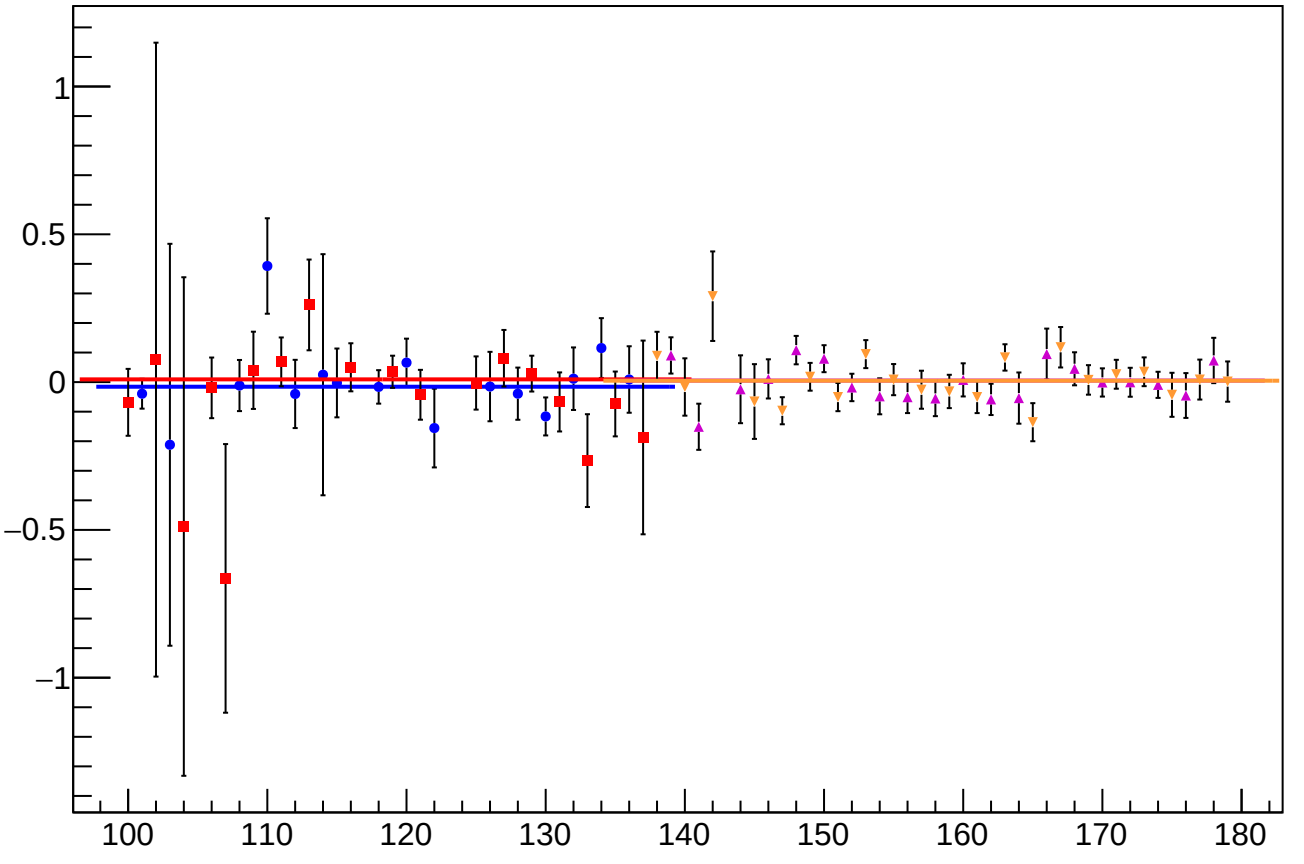
Right Out: 0.001+/-0.000 χ^2/NDF: 4521920.0/17

Left In: 0.002+/-0.000 χ^2/NDF:4495852.5/19

+ sign 0.001+/-0.000 χ^2/NDF: 9378715.6/36

All: 0.001+/-0.000 χ^2/NDF: 19029895.2/74

- sign 0.001+/-0.000 χ^2/NDF: 9646053.4/37



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.005+/-0.013 χ^2/NDF:28.2/20

Right Out: 0.009+/-0.024 χ^2/NDF: 12.5/17

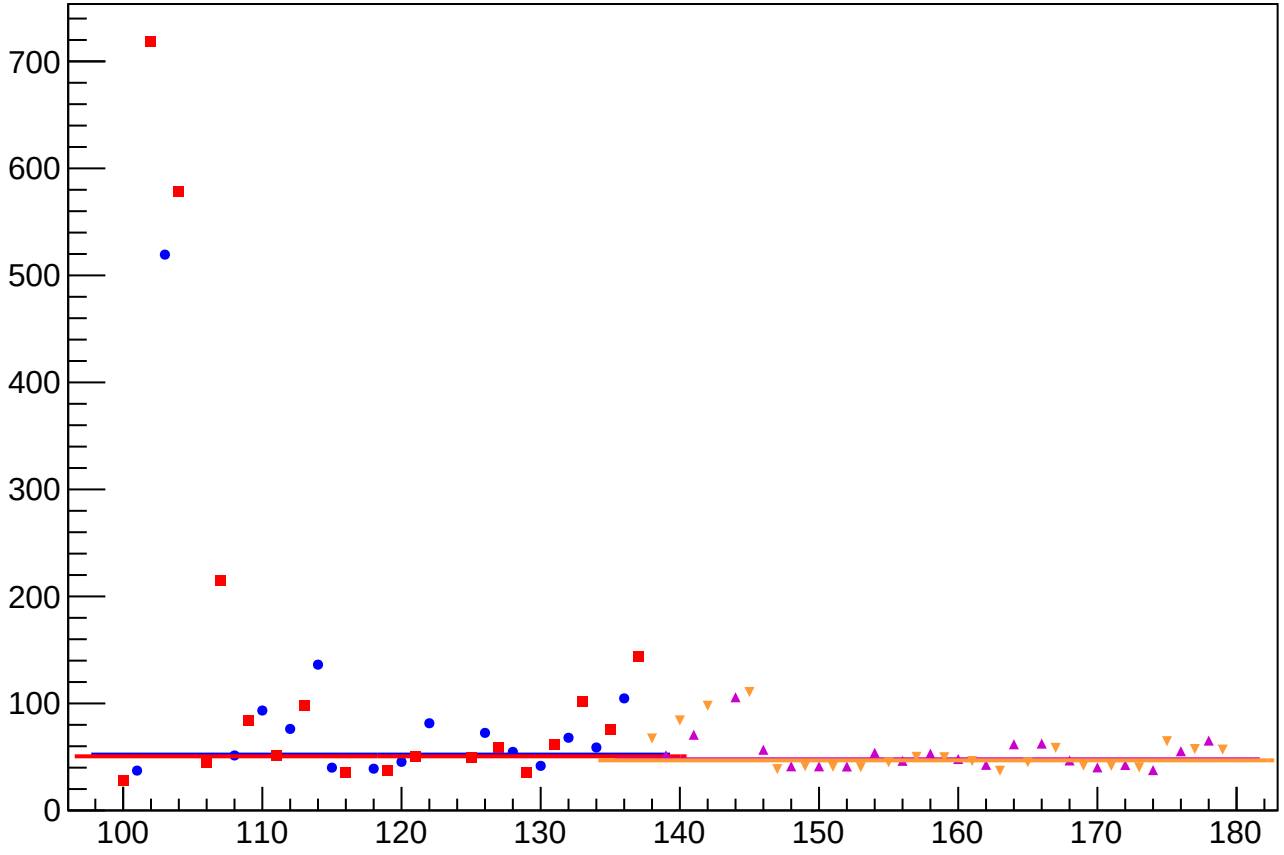
Left In: 0.005+/-0.013 χ^2/NDF:21.2/19

+ sign -0.000+/-0.011 χ^2/NDF: 42.0/36

All: 0.003+/-0.008 χ^2/NDF: 75.9/74

- sign 0.006+/-0.011 χ^2/NDF: 33.7/37

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 52.191+/-0.016 χ^2/NDF: 2266922.0/15

Left Out: 46.839+/-0.009 χ^2/NDF:1771063.4/20

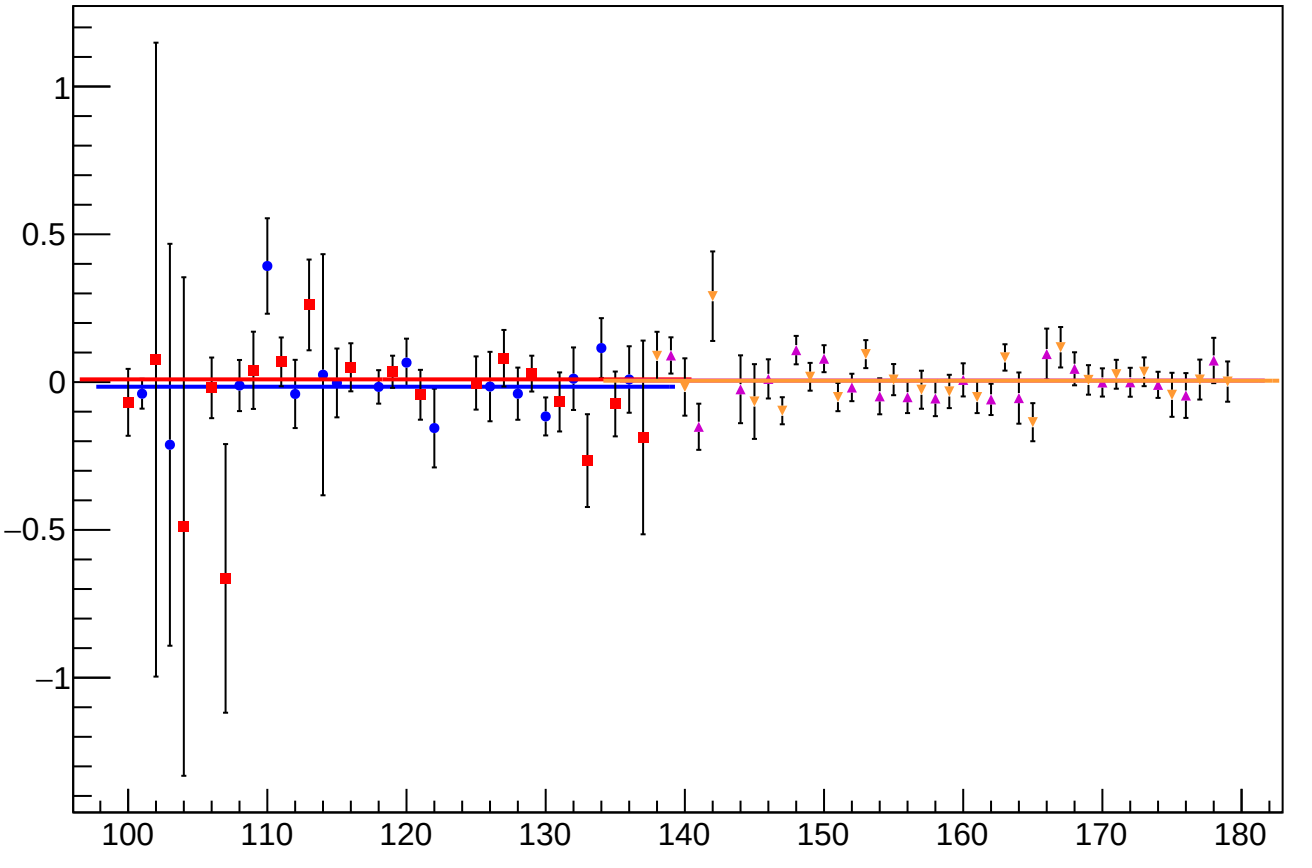
Right Out: 50.582+/-0.017 χ^2/NDF: 3051364.2/17

Left In: 47.830+/-0.009 χ^2/NDF:1316040.3/19

+ sign 48.112+/-0.008 χ^2/NDF: 4123124.7/36

All: 48.284+/-0.006 χ^2/NDF: 8512446.3/74

- sign 48.465+/-0.008 χ^2/NDF: 4388325.0/37



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.005+/-0.013 χ^2/NDF:28.2/20

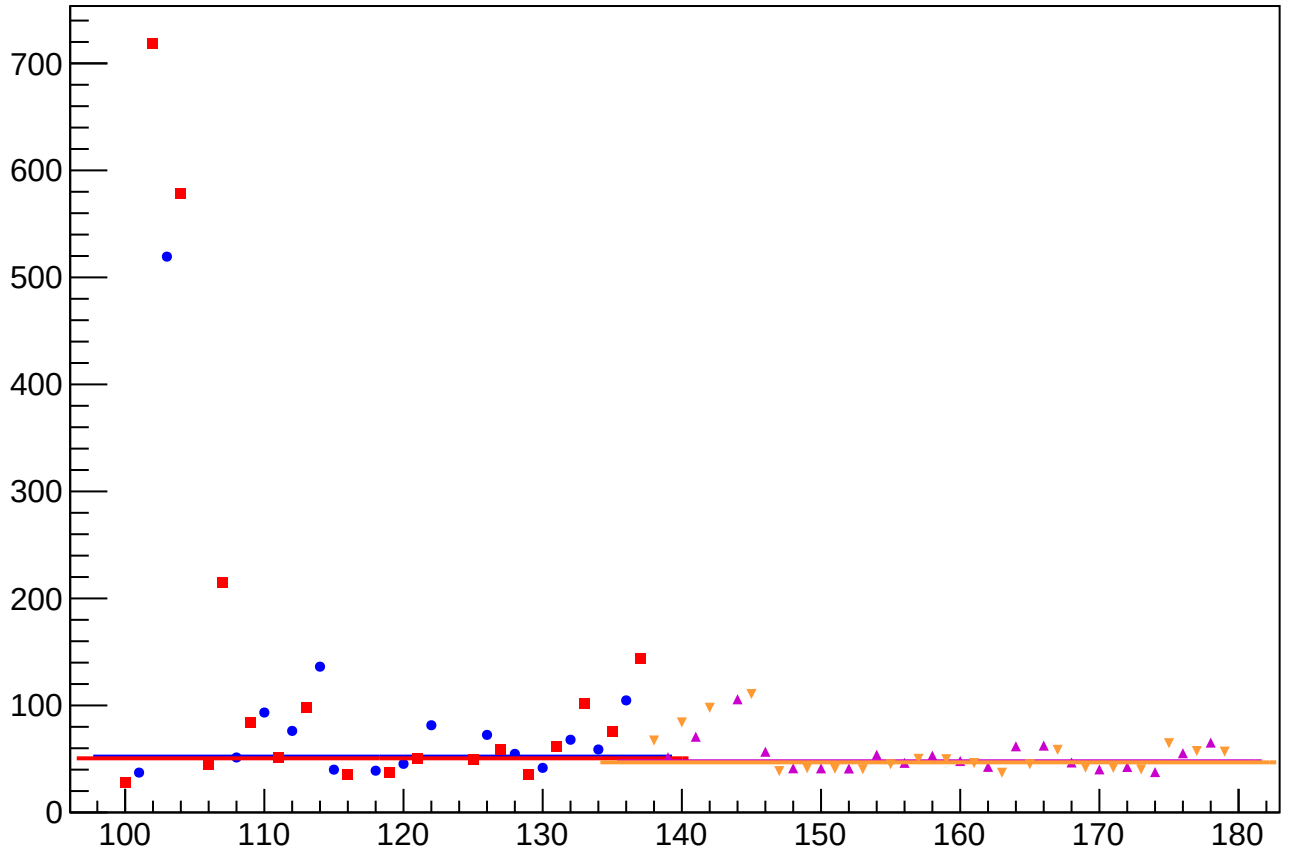
Right Out: 0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: 0.005+/-0.013 χ^2/NDF:21.2/19

+ sign -0.000+/-0.011 χ^2/NDF: 42.0/36

All: 0.003+/-0.008 χ^2/NDF: 75.9/74

- sign 0.006+/-0.011 χ^2/NDF: 33.7/37



Right In: 52.191+/-0.016 χ^2/NDF: 2266922.0/15

Left Out: 46.839+/-0.009 χ^2/NDF:1771063.4/20

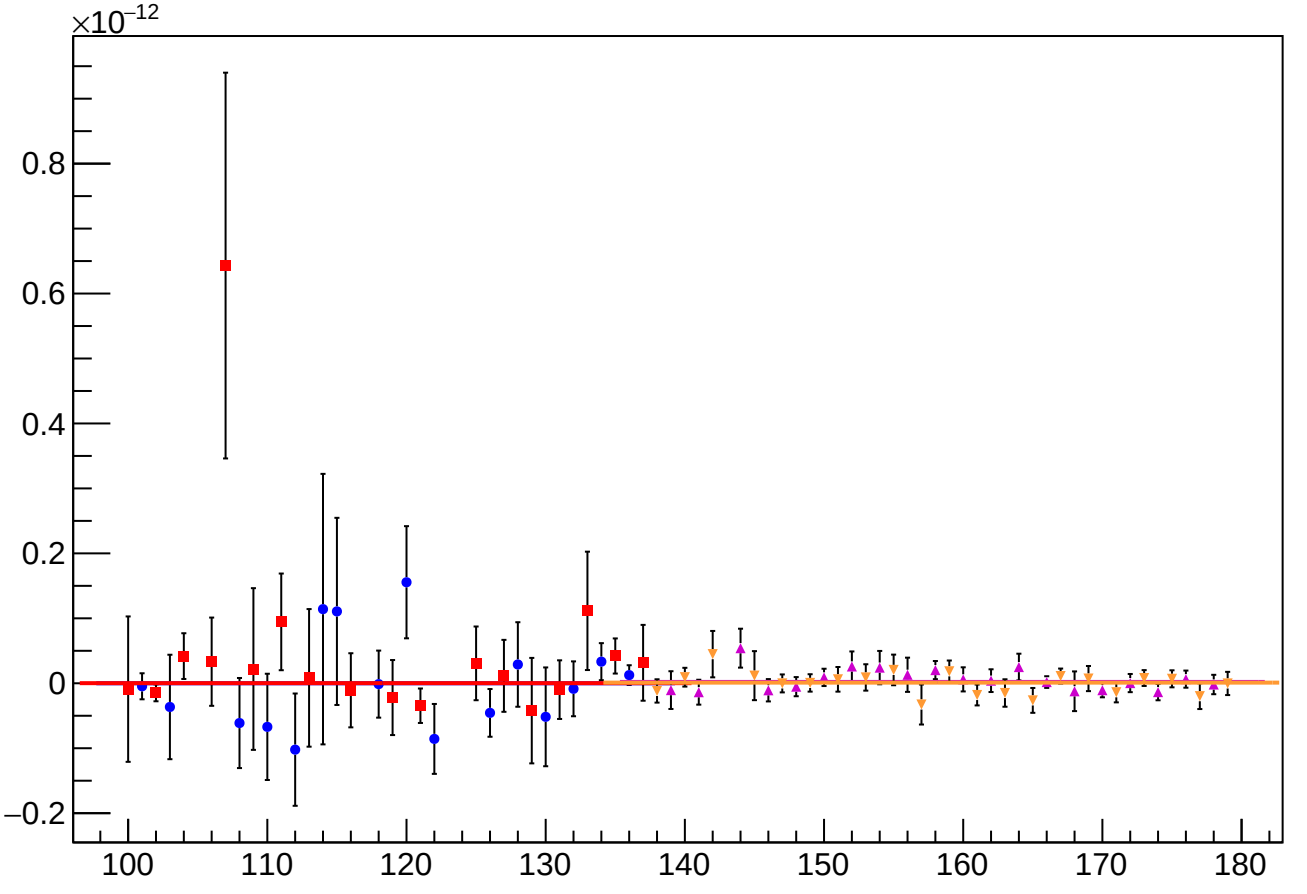
Right Out: 50.582+/-0.017 χ^2/NDF: 3051364.2/17

Left In: 47.830+/-0.009 χ^2/NDF:1316040.3/19

+ sign 48.112+/-0.008 χ^2/NDF: 4123124.7/36

All: 48.284+/-0.006 χ^2/NDF: 8512446.3/74

- sign 48.465+/-0.008 χ^2/NDF: 4388325.0/37



Right In: -0.000+/-0.000 χ^2/NDF: 14.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.1/20

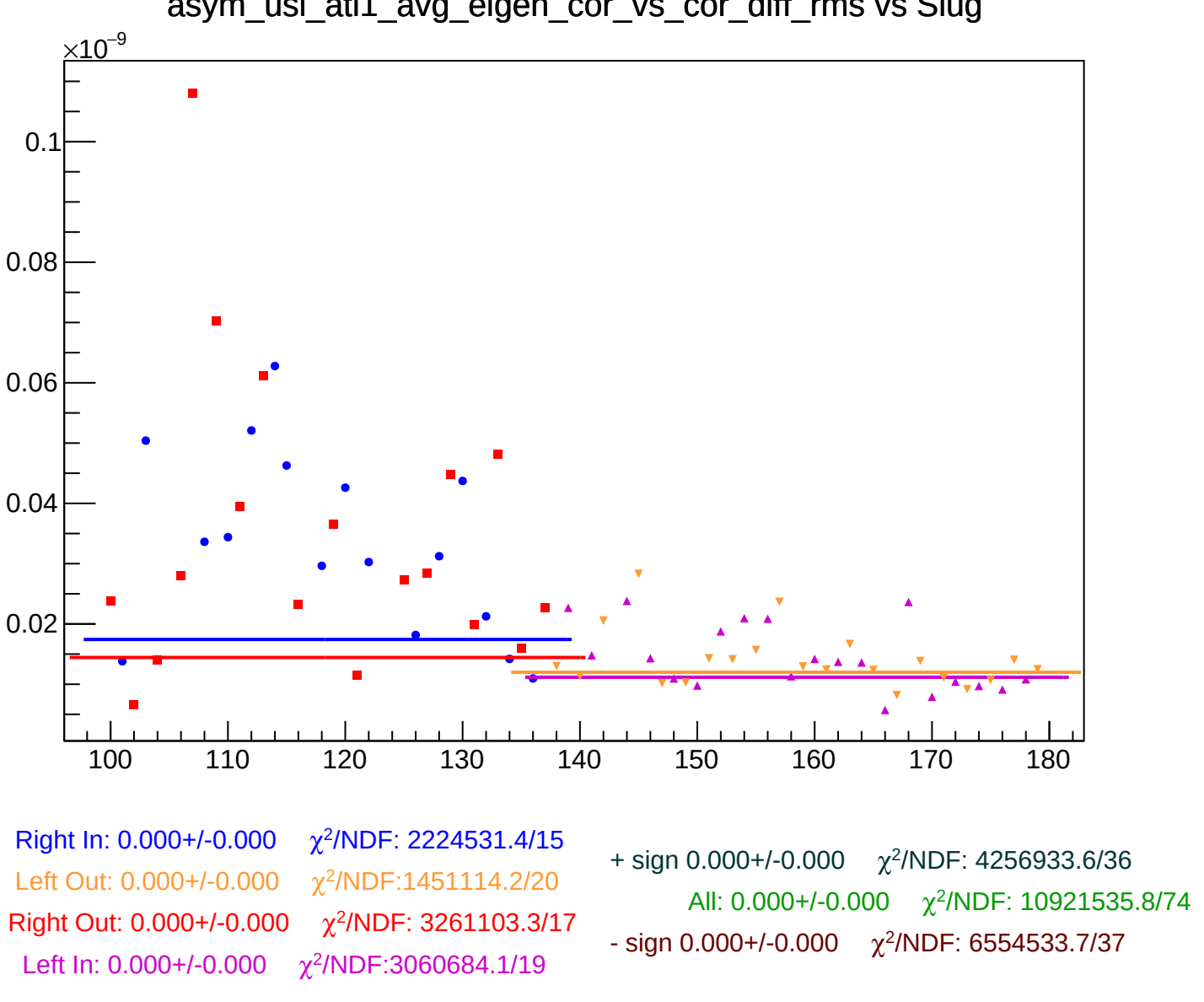
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/17

Left In: 0.000+/-0.000 χ^2/NDF:13.2/19

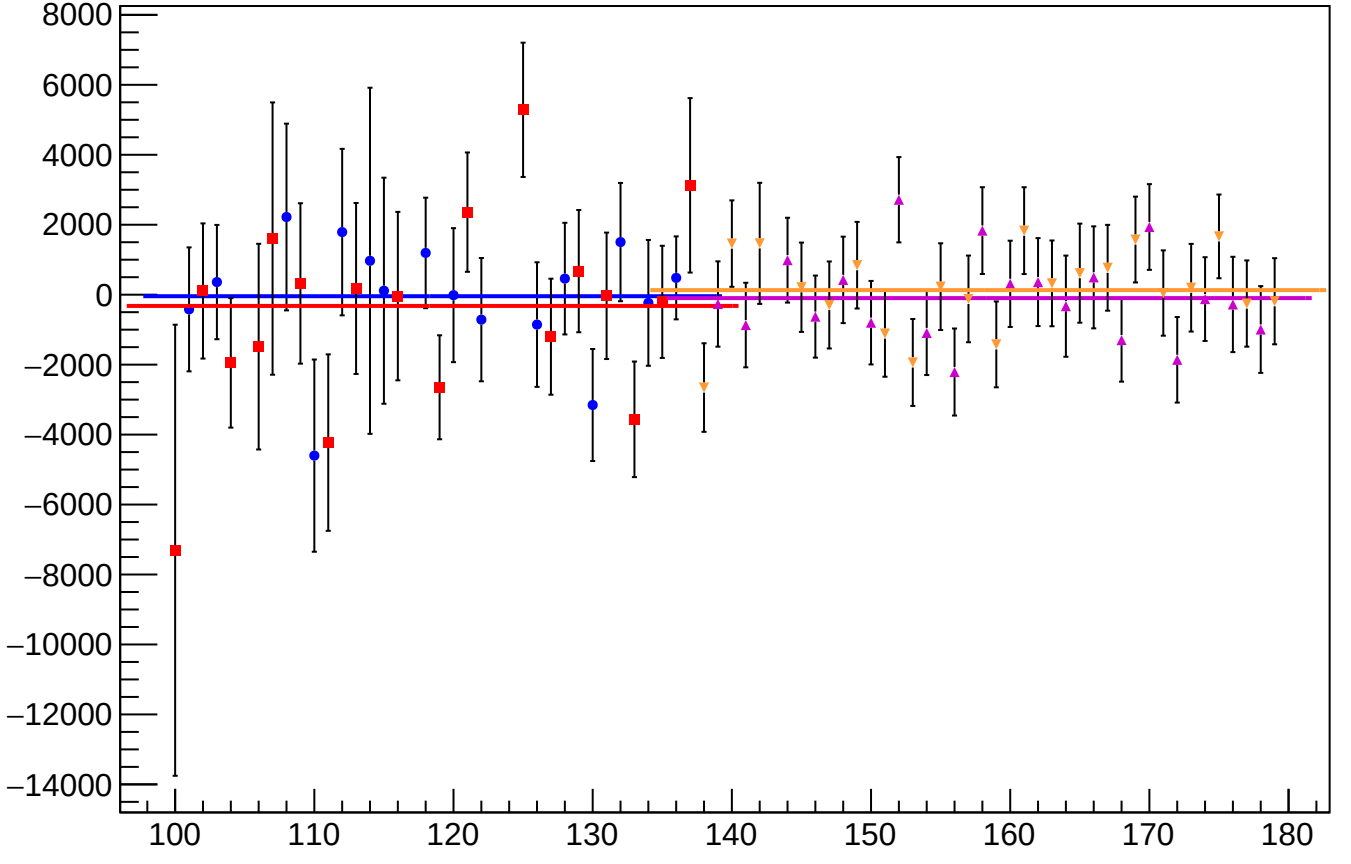
+ sign 0.000+/-0.000 χ^2/NDF: 27.2/36

All: 0.000+/-0.000 χ^2/NDF: 56.5/74

- sign 0.000+/-0.000 χ^2/NDF: 29.3/37


asym_usl_atl1_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2224531.4/15
Left Out: 0.000+/-0.000 χ²/NDF:1451114.2/20
Right Out: 0.000+/-0.000 χ²/NDF: 3261103.3/17
Left In: 0.000+/-0.000 χ²/NDF:3060684.1/19
+ sign 0.000+/-0.000 χ²/NDF: 4256933.6/36
All: 0.000+/-0.000 χ²/NDF: 10921535.8/74
- sign 0.000+/-0.000 χ²/NDF: 6554533.7/37

reg_asym_usl_atl1_dd_mean vs Slug



Right In: -43.681+/-459.222 χ^2/NDF: 10.1/15

Left Out: 130.346+/-274.619 χ^2/NDF:18.0/20

Right Out: -321.266+/-474.939 χ^2/NDF: 24.8/17

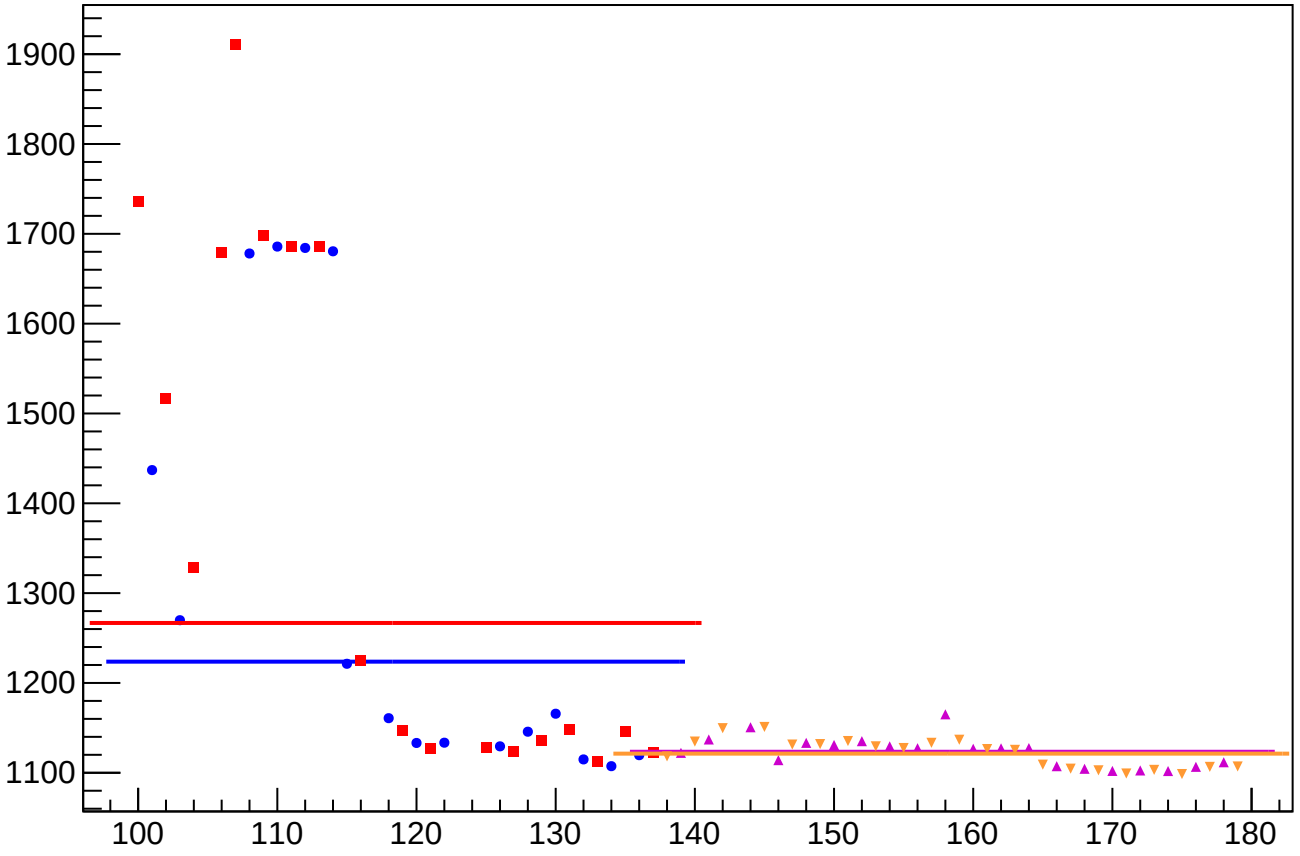
Left In: -97.670+/-277.888 χ^2/NDF:20.1/19

+ sign 84.504+/-235.691 χ^2/NDF: 28.2/36

All: -33.004+/-168.109 χ^2/NDF: 73.7/74

- sign -154.695+/-239.849 χ^2/NDF: 45.0/37

reg_asym_usl_atl1_dd_rms vs Slug



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1121.299+/-0.194 χ^2/NDF:6434.4/20

Right Out: 1266.780+/-0.336 χ^2/NDF: 432845.4/17

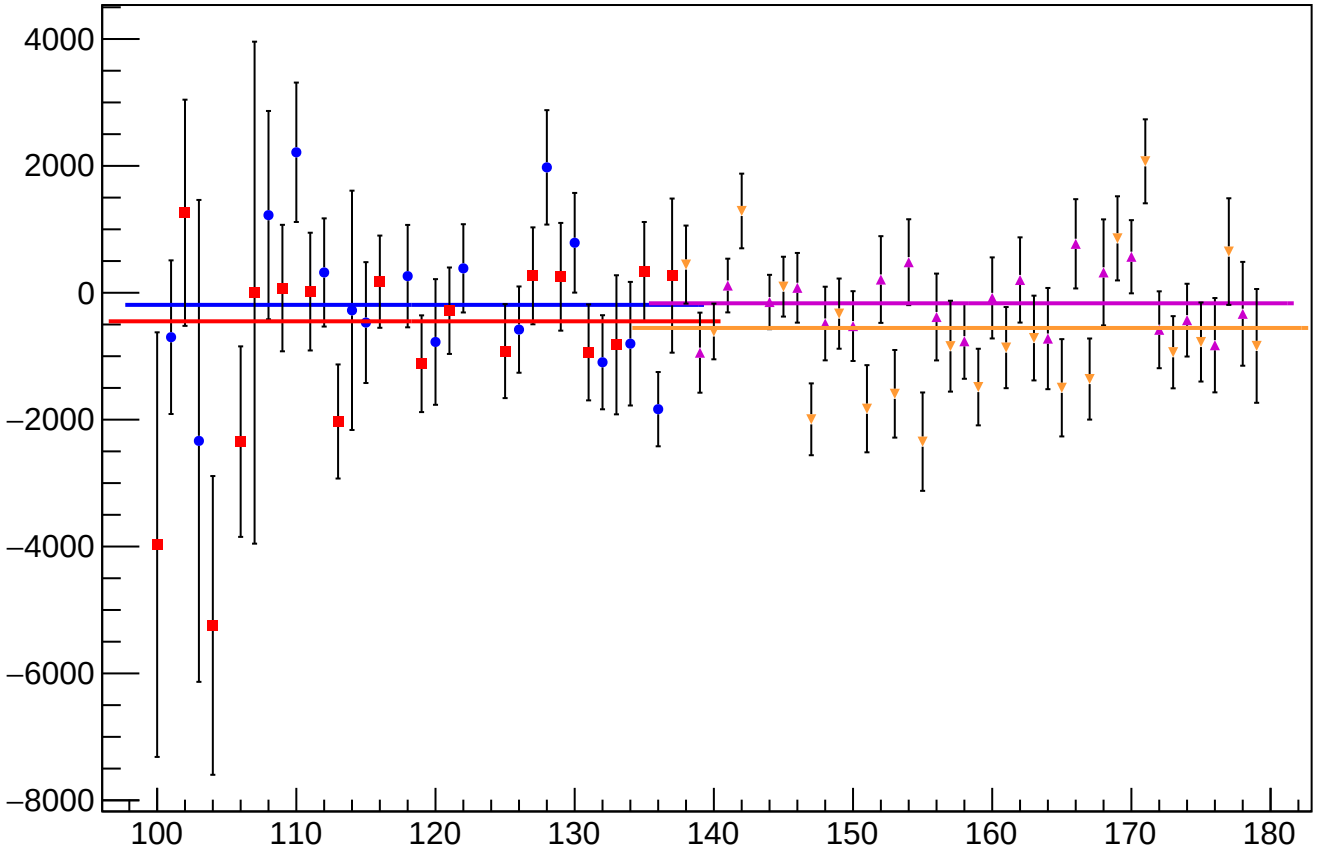
Left In: 1123.388+/-0.196 χ^2/NDF:7232.8/19

+ sign 1148.275+/-0.167 χ^2/NDF: 374658.8/36

All: 1154.014+/-0.119 χ^2/NDF: 952963.3/74

- sign 1159.958+/-0.170 χ^2/NDF: 575890.4/37

asym_usl_atl1_dd_reg_correction_mean vs Slug



Right In: -190.634+/-222.869 χ^2/NDF: 25.2/15

Left Out: -554.704+/-136.216 χ^2/NDF:61.0/20

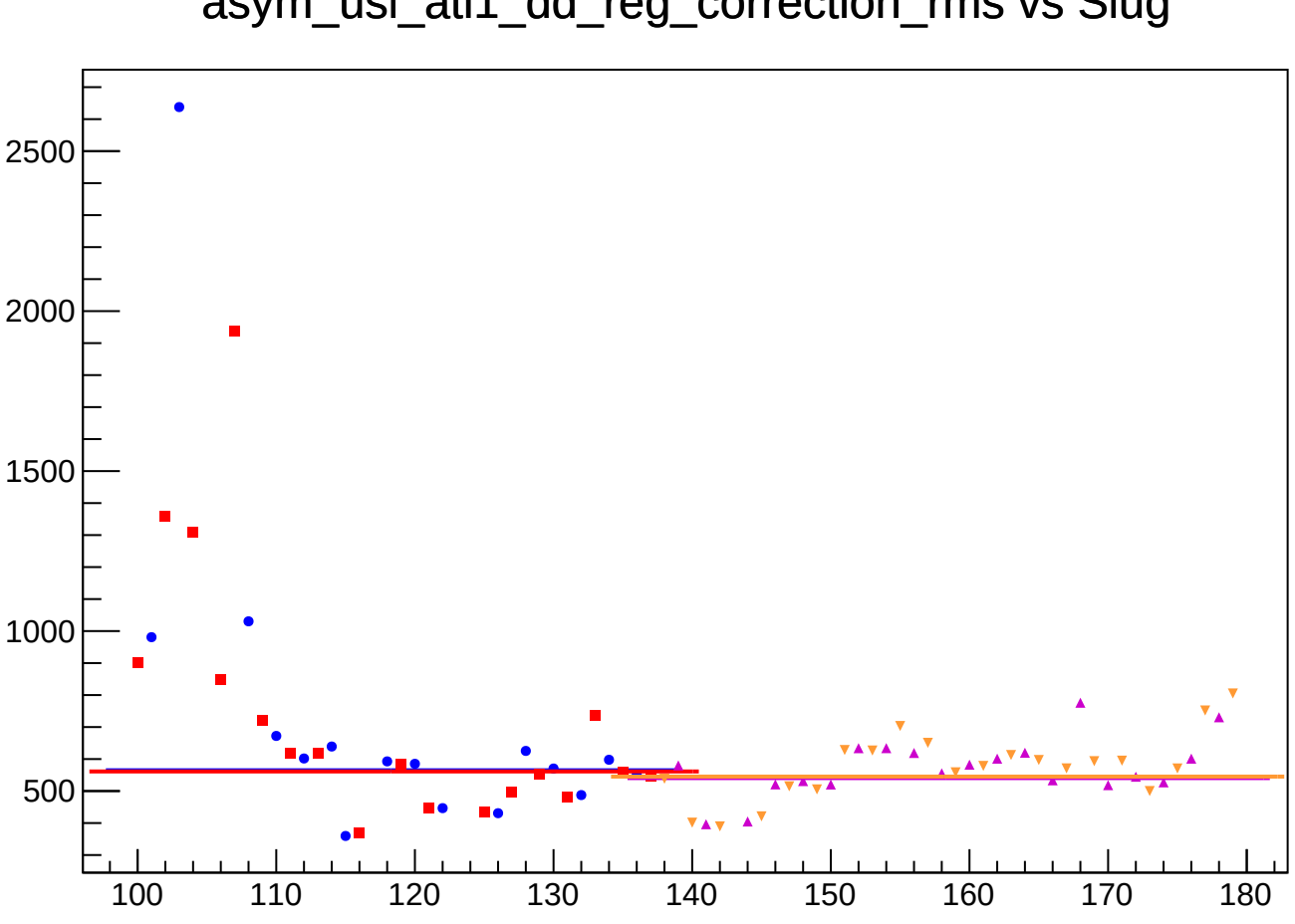
Right Out: -449.847+/-223.203 χ^2/NDF: 16.8/17

Left In: -165.857+/-135.831 χ^2/NDF:11.3/19

+ sign -455.691+/-116.226 χ^2/NDF: 88.2/36

All: -348.972+/-82.116 χ^2/NDF: 119.1/74

- sign -242.606+/-116.034 χ^2/NDF: 29.3/37



Right In: 564.959+/-0.158 χ^2/NDF: 1284478.9/15

Left Out: 545.191+/-0.096 χ^2/NDF:1059907.0/20

Right Out: 561.243+/-0.158 χ^2/NDF: 1352239.3/17

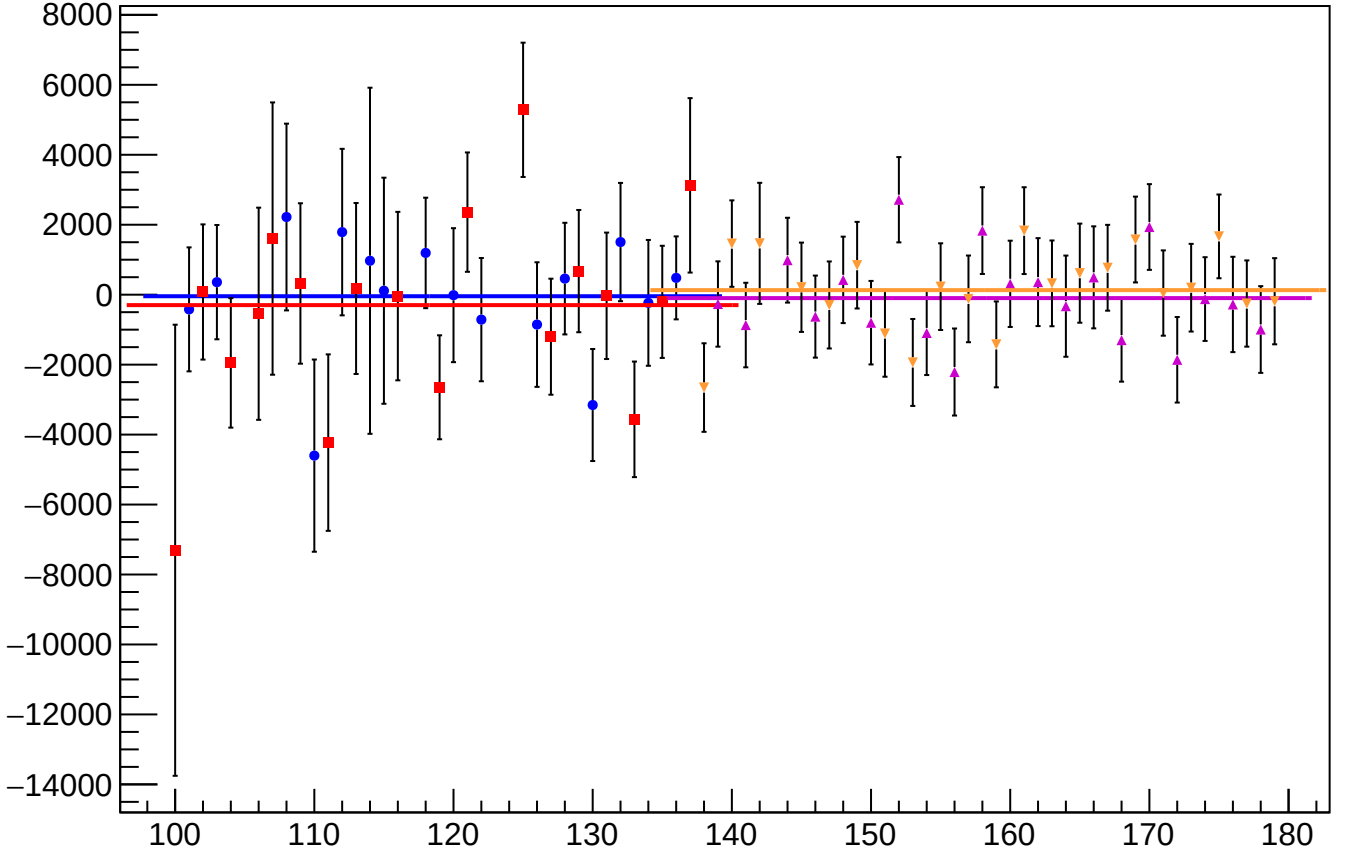
Left In: 540.454+/-0.096 χ^2/NDF:878603.3/19

+ sign 550.567+/-0.082 χ^2/NDF: 2355841.3/36

All: 548.316+/-0.058 χ^2/NDF: 4600843.4/74

- sign 546.072+/-0.082 χ^2/NDF: 2243504.2/37

cor_asym_usl_atl1_dd_mean vs Slug



Right In: -43.923+/-459.222 χ^2/NDF: 10.1/15

Left Out: 130.400+/-274.619 χ^2/NDF:18.0/20

Right Out: -298.207+/-475.315 χ^2/NDF: 24.6/17

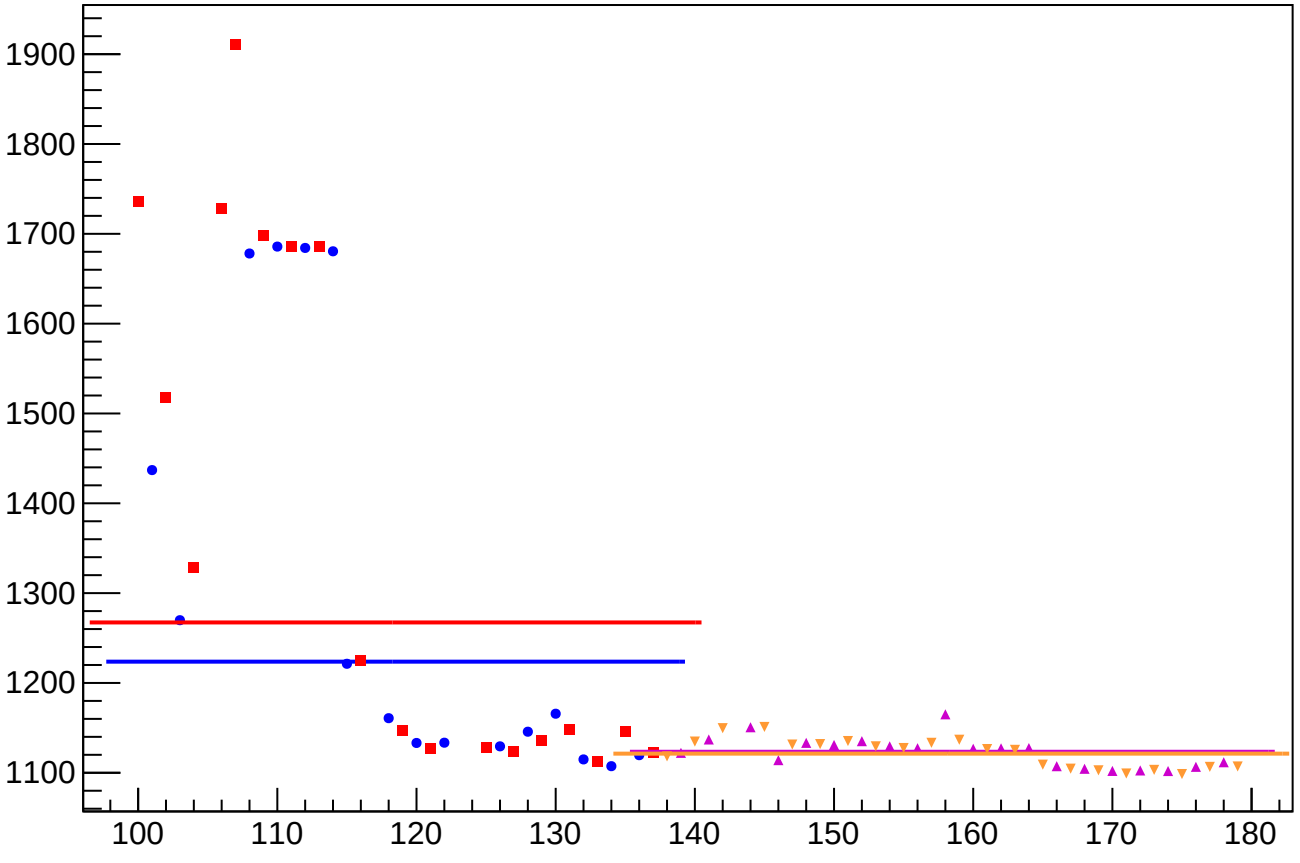
Left In: -97.662+/-277.888 χ^2/NDF:20.1/19

+ sign 84.480+/-235.691 χ^2/NDF: 28.2/36

All: -30.071+/-168.126 χ^2/NDF: 73.5/74

- sign -148.748+/-239.897 χ^2/NDF: 44.8/37

cor_asym_usl_atl1_dd_rms vs Slug



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1121.299+/-0.194 χ^2/NDF:6434.4/20

Right Out: 1267.363+/-0.336 χ^2/NDF: 439982.4/17

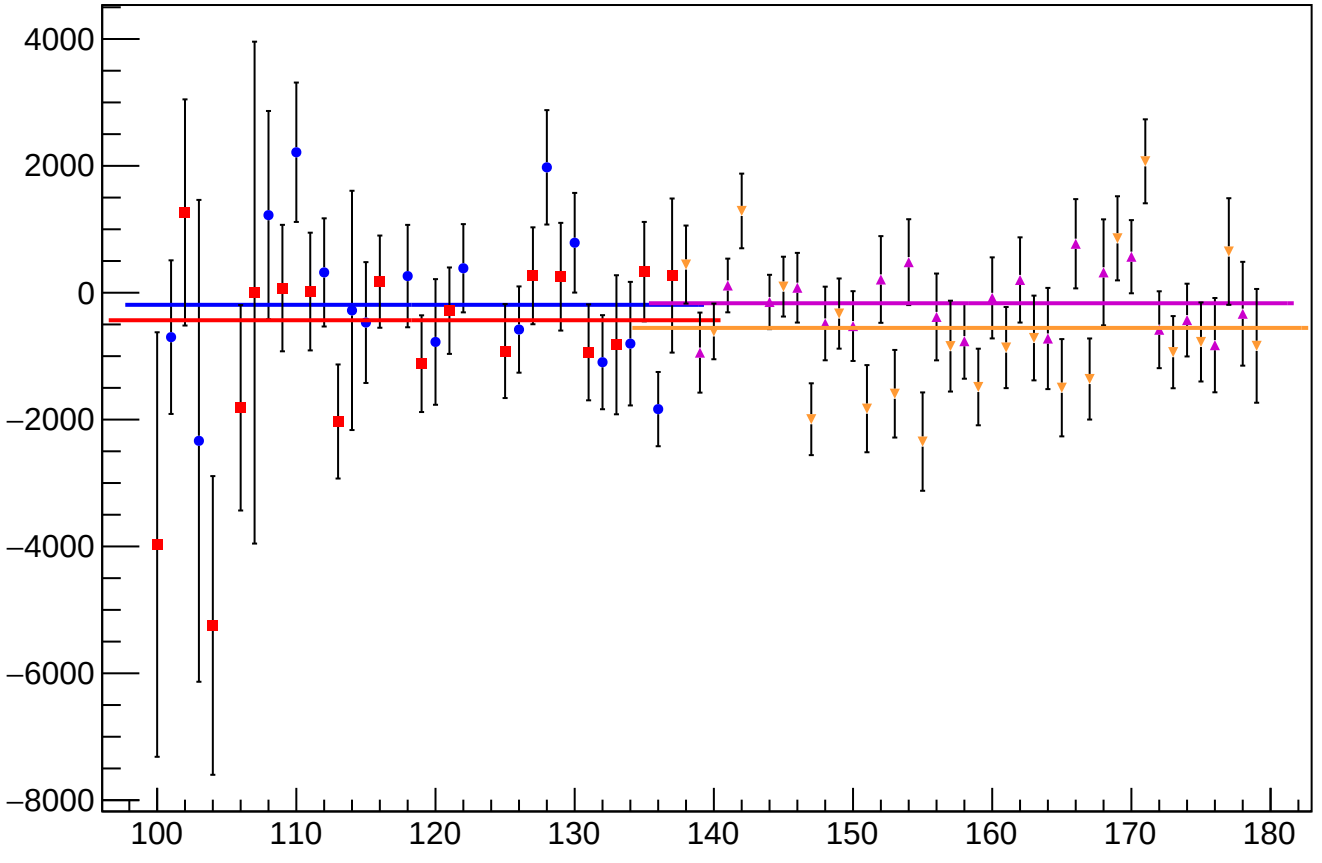
Left In: 1123.388+/-0.196 χ^2/NDF:7232.8/19

+ sign 1148.275+/-0.167 χ^2/NDF: 374658.8/36

All: 1154.065+/-0.119 χ^2/NDF: 961090.0/74

- sign 1160.063+/-0.170 χ^2/NDF: 583973.7/37

asym_usl_atl1_dd_cor_correction_mean vs Slug



Right In: -190.645+/-222.867 χ^2/NDF: 25.3/15

Left Out: -554.718+/-136.215 χ^2/NDF:61.0/20

Right Out: -433.877+/-223.547 χ^2/NDF: 15.9/17

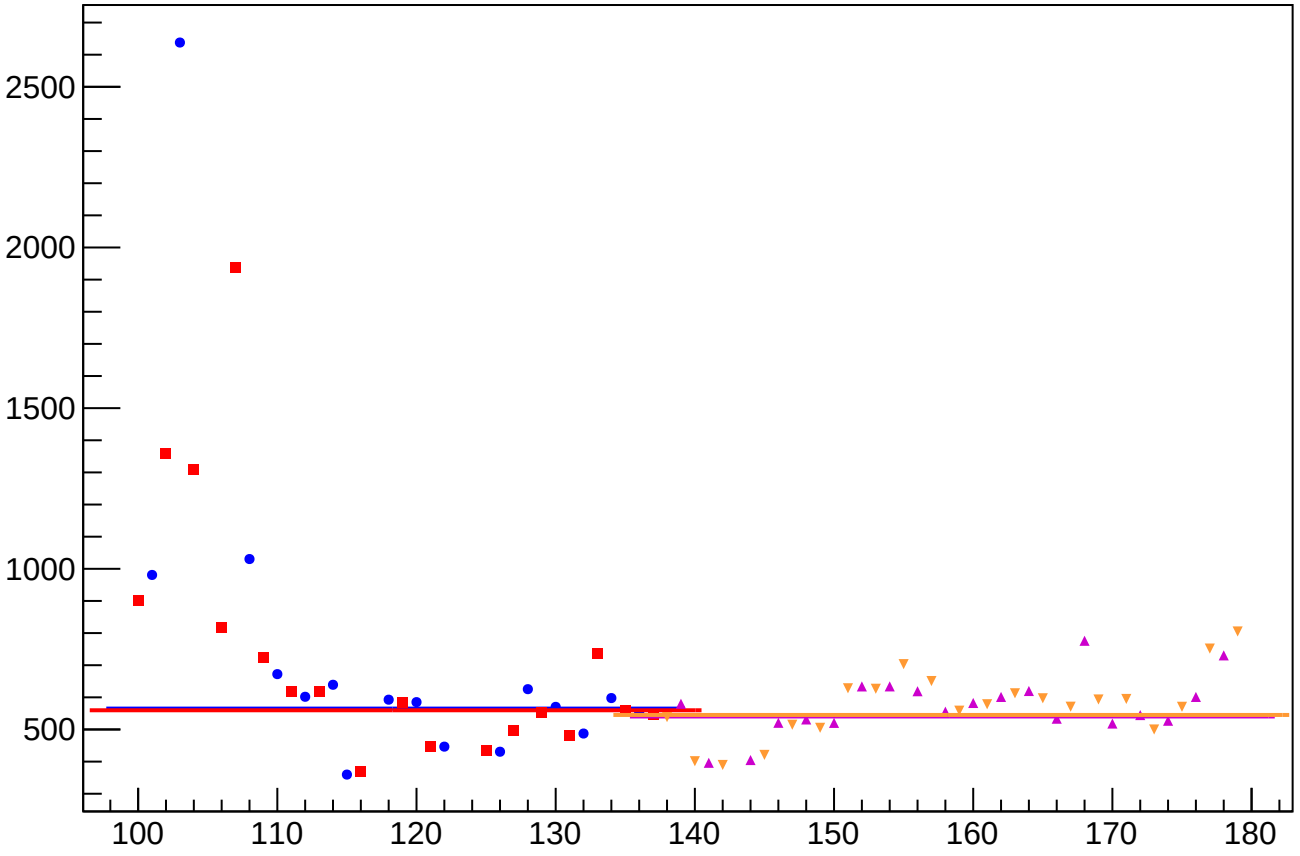
Left In: -165.841+/-135.830 χ^2/NDF:11.3/19

\+ sign -455.703+/-116.226 χ^2/NDF: 88.2/36

All: -346.774+/-82.133 χ^2/NDF: 118.2/74

\- sign -238.115+/-116.082 χ^2/NDF: 28.3/37

asym_usl_atl1_dd_cor_correction_rms vs Slug



Right In: 564.954+/-0.158 χ^2/NDF: 1284455.7/15

Left Out: 545.189+/-0.096 χ^2/NDF:1059909.0/20

Right Out: 559.758+/-0.158 χ^2/NDF: 1329357.2/17

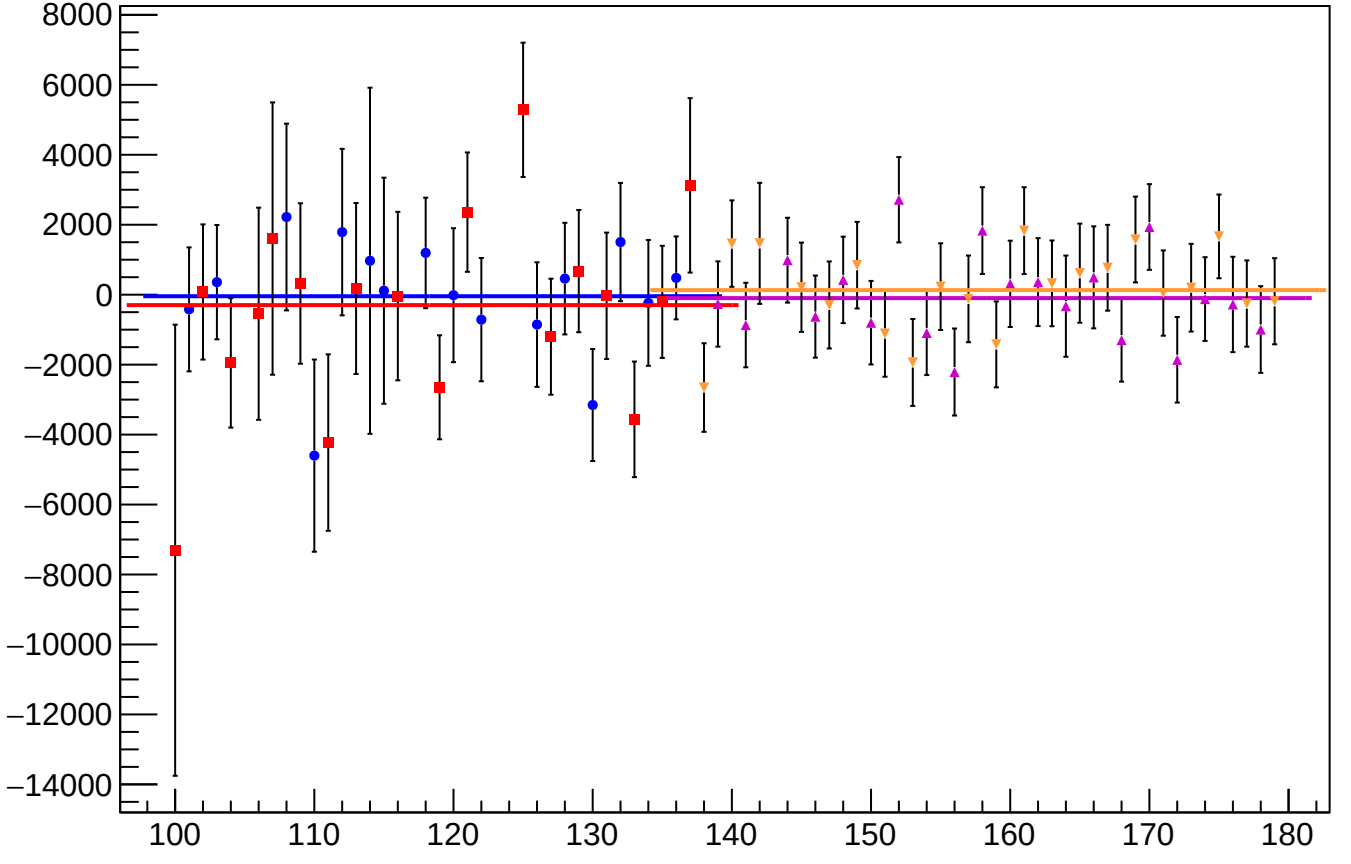
Left In: 540.453+/-0.096 χ^2/NDF:878544.3/19

+ sign 550.564+/-0.082 χ^2/NDF: 2355816.9/36

All: 548.108+/-0.058 χ^2/NDF: 4576396.0/74

- sign 545.658+/-0.082 χ^2/NDF: 2218794.9/37

eigen_cor_asym_usl_atl1_dd_mean vs Slug



Right In: -43.923+/-459.222 χ^2/NDF: 10.1/15

Left Out: 130.400+/-274.619 χ^2/NDF:18.0/20

Right Out: -298.207+/-475.315 χ^2/NDF: 24.6/17

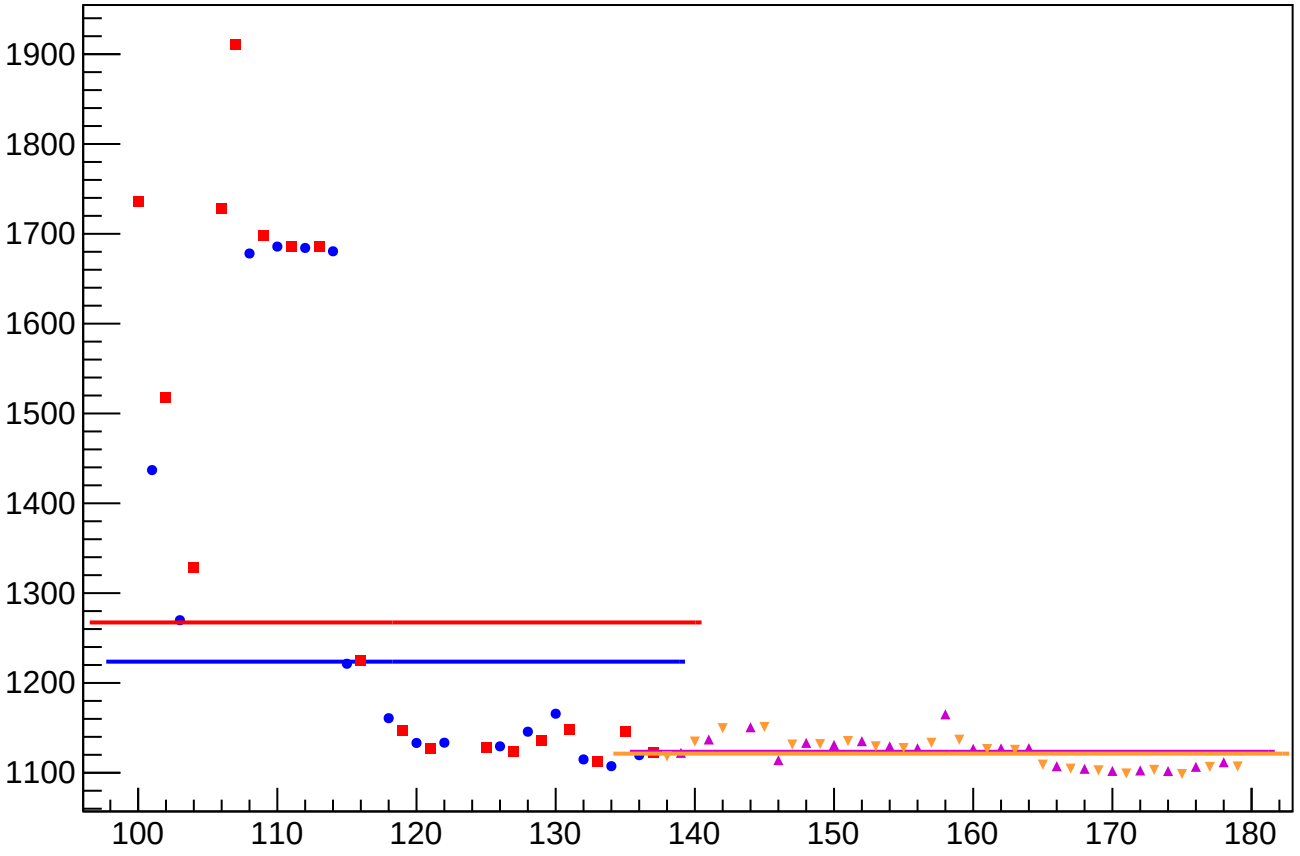
Left In: -97.662+/-277.888 χ^2/NDF:20.1/19

+ sign 84.480+/-235.691 χ^2/NDF: 28.2/36

All: -30.071+/-168.126 χ^2/NDF: 73.5/74

- sign -148.748+/-239.897 χ^2/NDF: 44.8/37

eigen_cor_asym_usl_atl1_dd_rms vs Slug



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1121.299+/-0.194 χ^2/NDF:6434.4/20

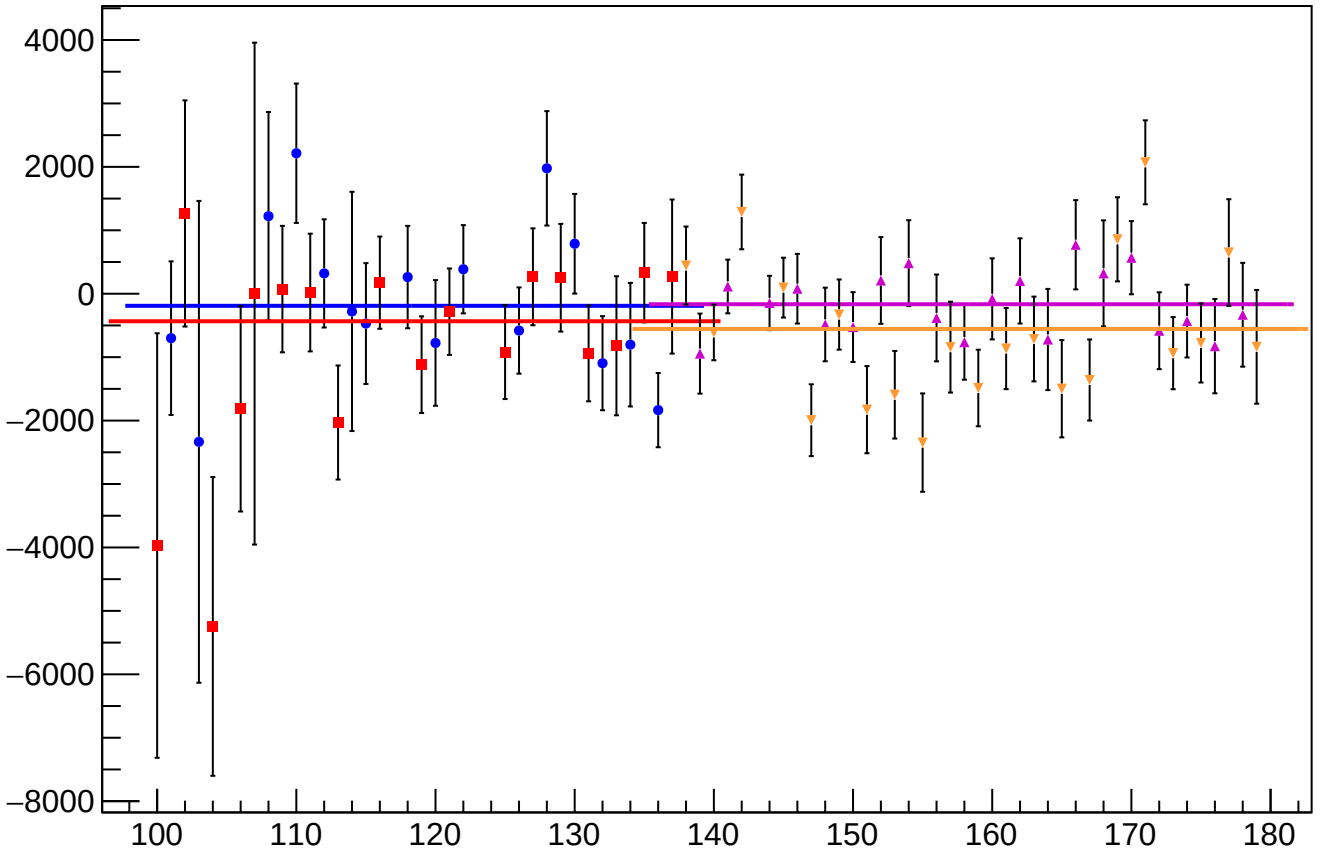
Right Out: 1267.363+/-0.336 χ^2/NDF: 439982.4/17

Left In: 1123.388+/-0.196 χ^2/NDF:7232.8/19

+ sign 1148.275+/-0.167 χ^2/NDF: 374658.8/36

All: 1154.065+/-0.119 χ^2/NDF: 961090.0/74

- sign 1160.063+/-0.170 χ^2/NDF: 583973.7/37



Right In: -190.645+/-222.867 χ^2/NDF: 25.3/15

Left Out: -554.718+/-136.215 χ^2/NDF:61.0/20

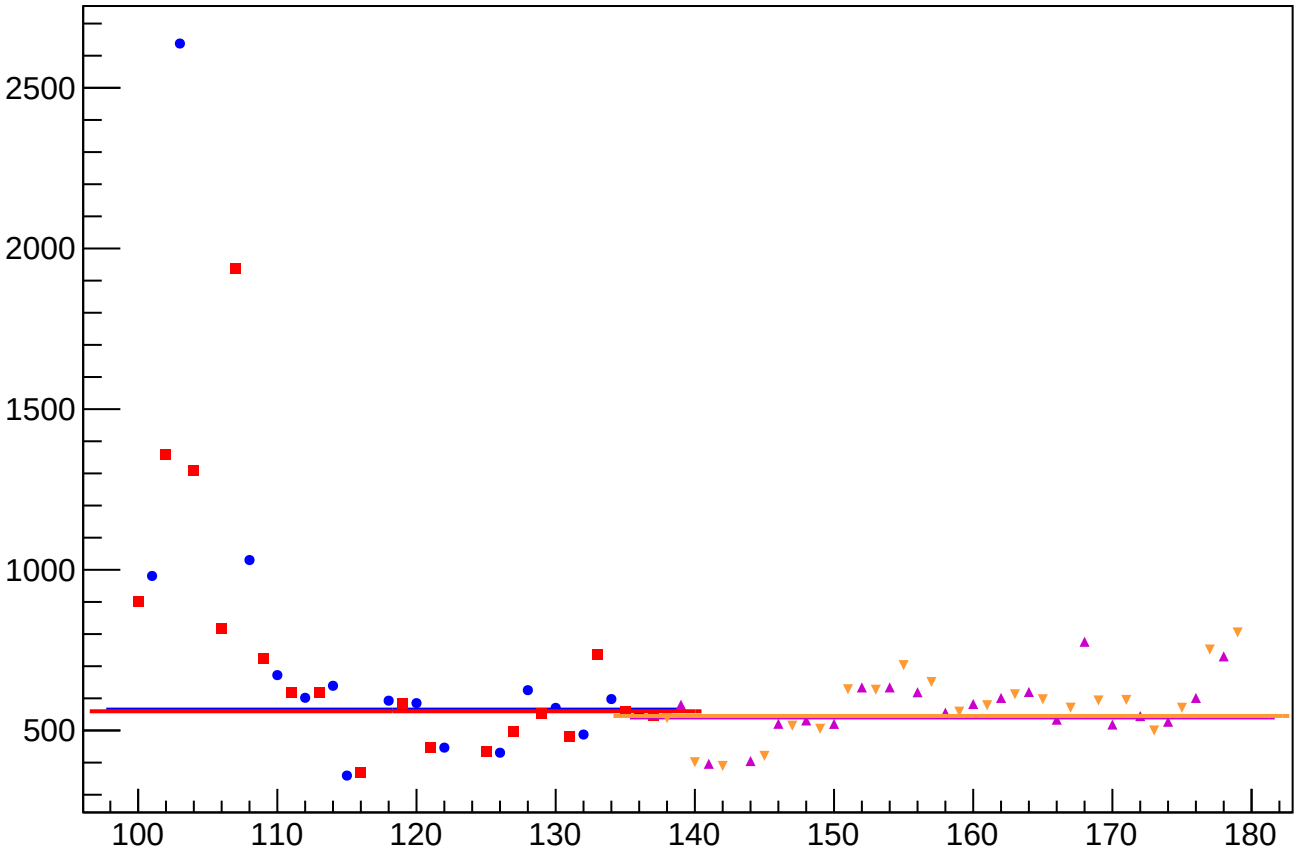
Right Out: -433.877+/-223.547 χ^2/NDF: 15.9/17

Left In: -165.841+/-135.830 χ^2/NDF:11.3/19

+ sign -455.703+/-116.226 χ^2/NDF: 88.2/36

All: -346.774+/-82.133 χ^2/NDF: 118.2/74

- sign -238.115+/-116.082 χ^2/NDF: 28.3/37



Right In: 564.954+/-0.158 χ^2/NDF: 1284455.7/15

Left Out: 545.189+/-0.096 χ^2/NDF:1059909.0/20

Right Out: 559.758+/-0.158 χ^2/NDF: 1329357.2/17

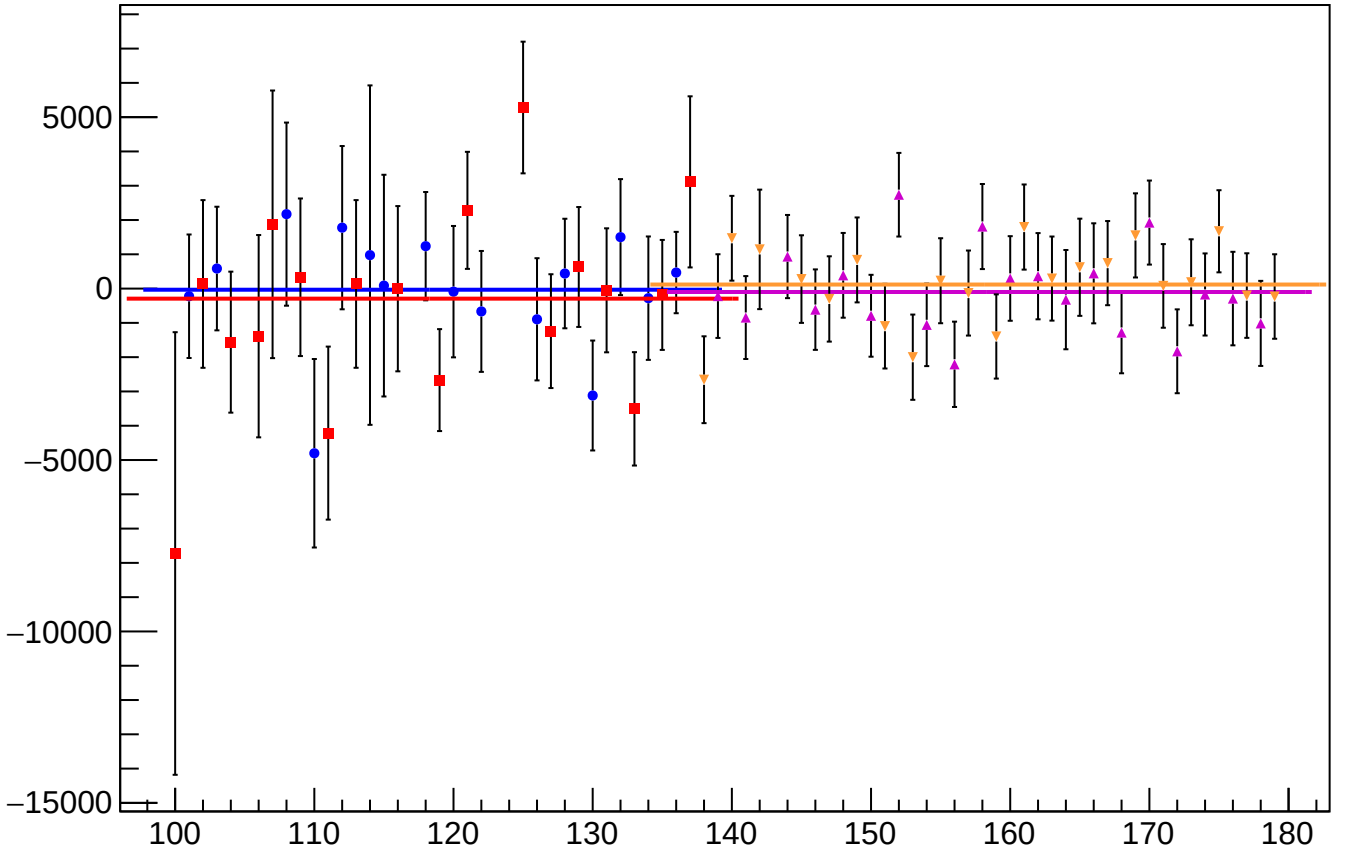
Left In: 540.453+/-0.096 χ^2/NDF:878544.3/19

+ sign 550.564+/-0.082 χ^2/NDF: 2355816.9/36

All: 548.108+/-0.058 χ^2/NDF: 4576396.0/74

- sign 545.658+/-0.082 χ^2/NDF: 2218794.9/37

dit_asym_usl_atl1_dd_mean vs Slug



Right In: -33.062+/-463.216 χ^2/NDF: 10.3/15

Left Out: 118.203+/-274.783 χ^2/NDF:17.7/20

Right Out: -293.384+/-483.838 χ^2/NDF: 24.2/17

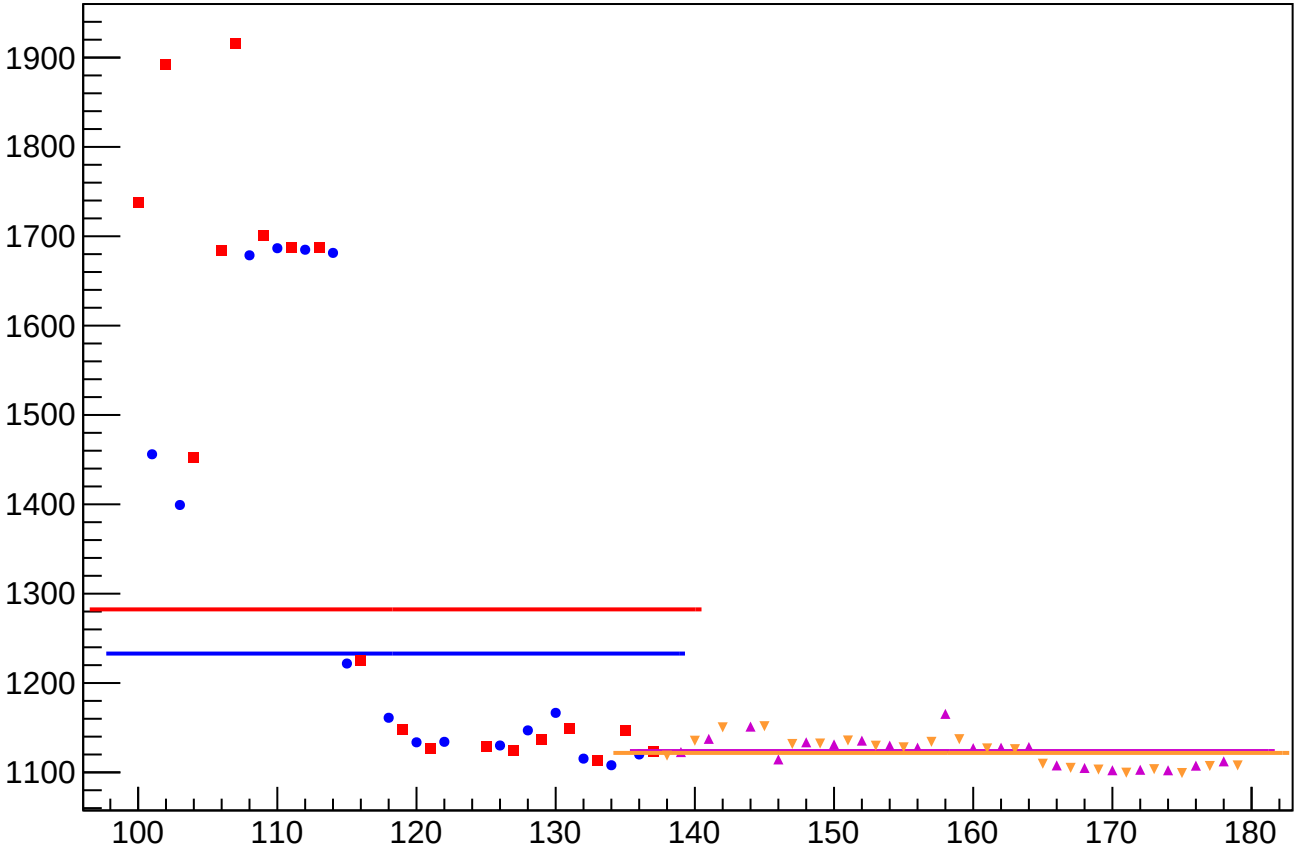
Left In: -99.360+/-278.003 χ^2/NDF:19.8/19

+ sign 78.830+/-236.329 χ^2/NDF: 28.0/36

All: -32.107+/-168.753 χ^2/NDF: 72.6/74

- sign -147.517+/-241.047 χ^2/NDF: 44.1/37

dit_asym_usl_atl1_dd_rms vs Slug



Right In: 1232.965+/-0.328 χ^2/NDF: 315470.6/15

Left Out: 1121.779+/-0.194 χ^2/NDF:6419.9/20

Right Out: 1282.407+/-0.342 χ^2/NDF: 543403.8/17

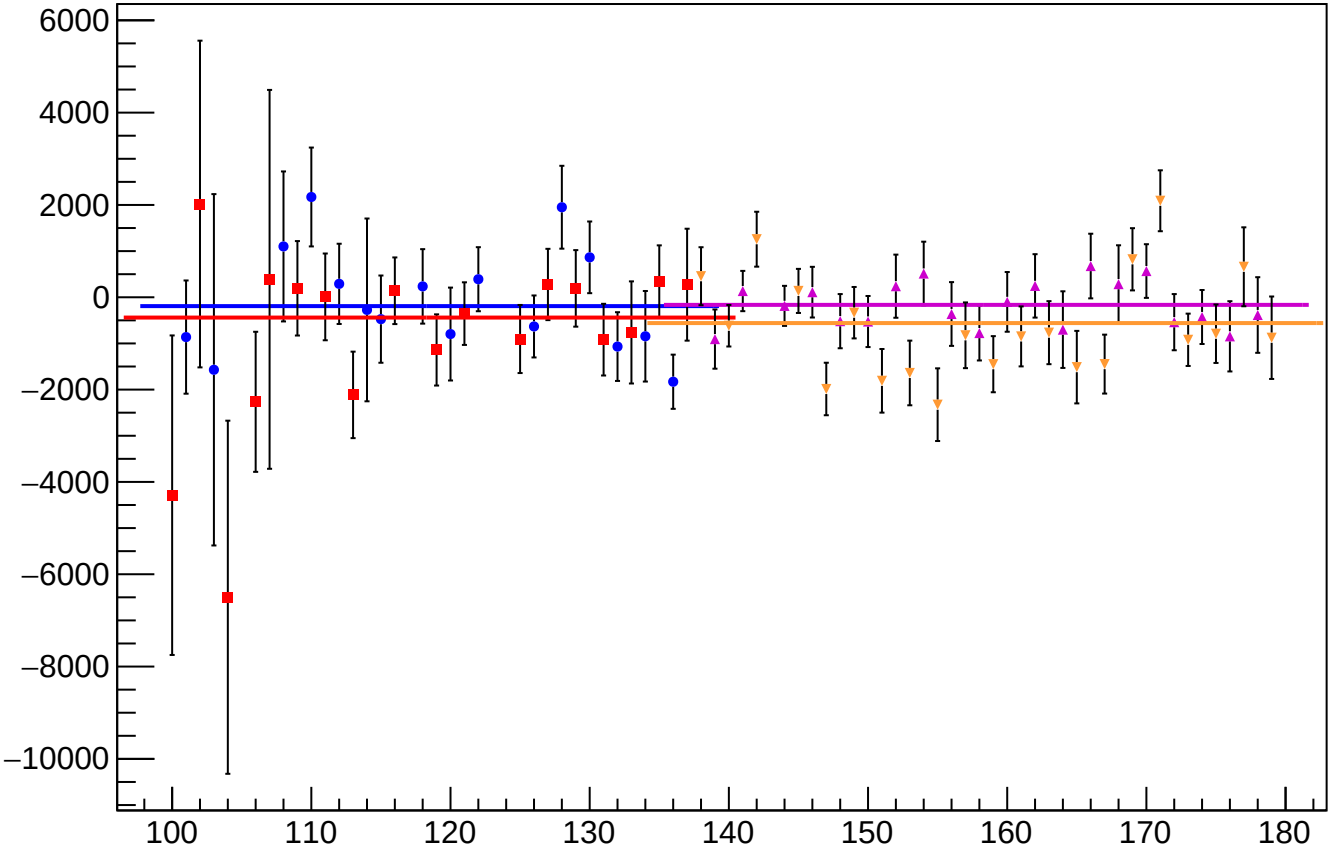
Left In: 1123.855+/-0.197 χ^2/NDF:7214.0/19

+ sign 1150.720+/-0.167 χ^2/NDF: 407126.0/36

All: 1156.841+/-0.119 χ^2/NDF: 1121943.7/74

- sign 1163.208+/-0.170 χ^2/NDF: 712080.8/37

asym_usl_atl1_dd_dit_correction_mean vs Slug



Right In: -191.528+/-222.764 χ^2/NDF: 25.3/15

Left Out: -558.905+/-137.662 χ^2/NDF:60.3/20

Right Out: -439.610+/-226.600 χ^2/NDF: 14.6/17

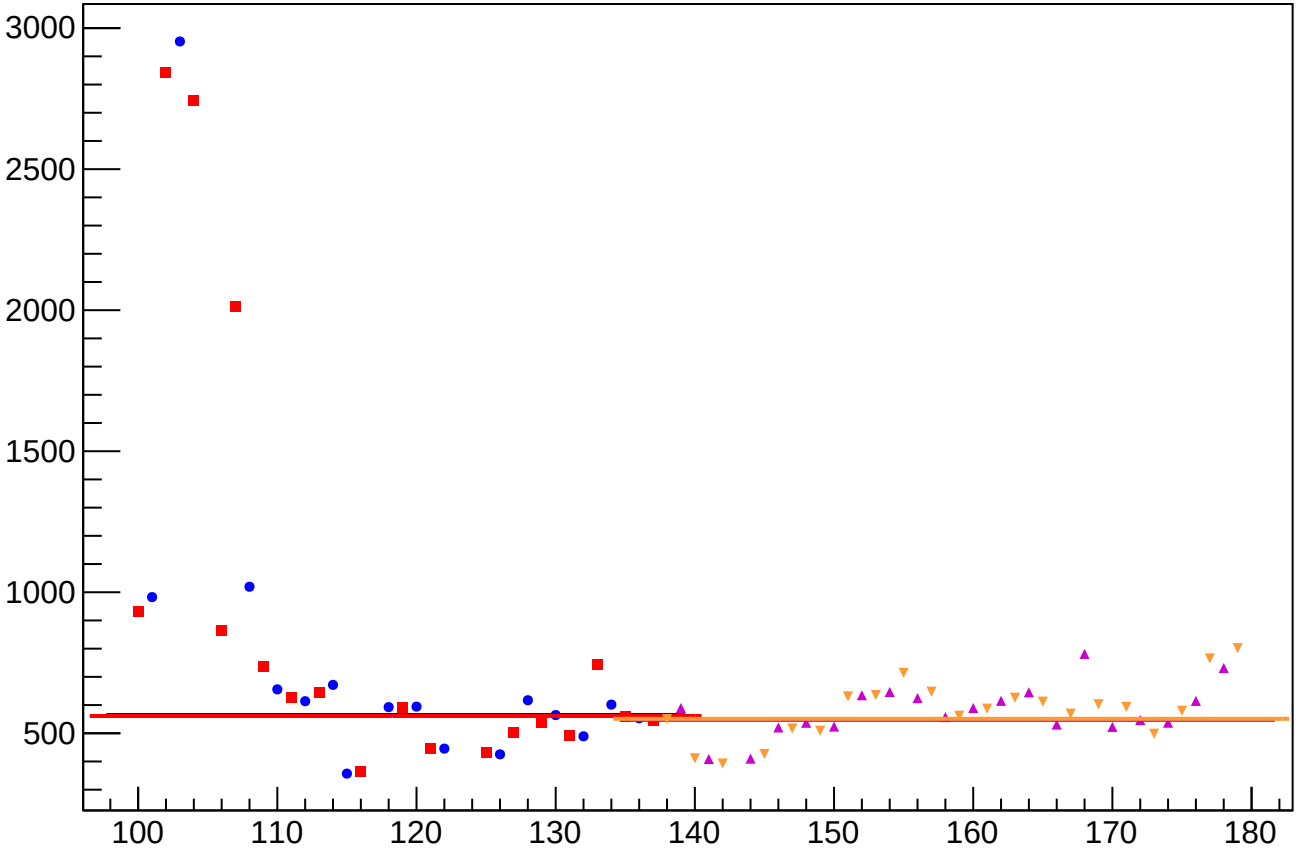
Left In: -164.634+/-137.522 χ^2/NDF:10.9/19

+ sign -457.378+/-117.106 χ^2/NDF: 87.5/36

All: -348.443+/-82.968 χ^2/NDF: 115.9/74

- sign -238.651+/-117.565 χ^2/NDF: 26.6/37

asym_usl_atl1_dd_dit_correction_rms vs Slug



Right In: 564.871+/-0.158 χ^2/NDF: 1480375.5/15

Left Out: 551.312+/-0.097 χ^2/NDF:1037453.3/20

Right Out: 561.273+/-0.160 χ^2/NDF: 2273371.7/17

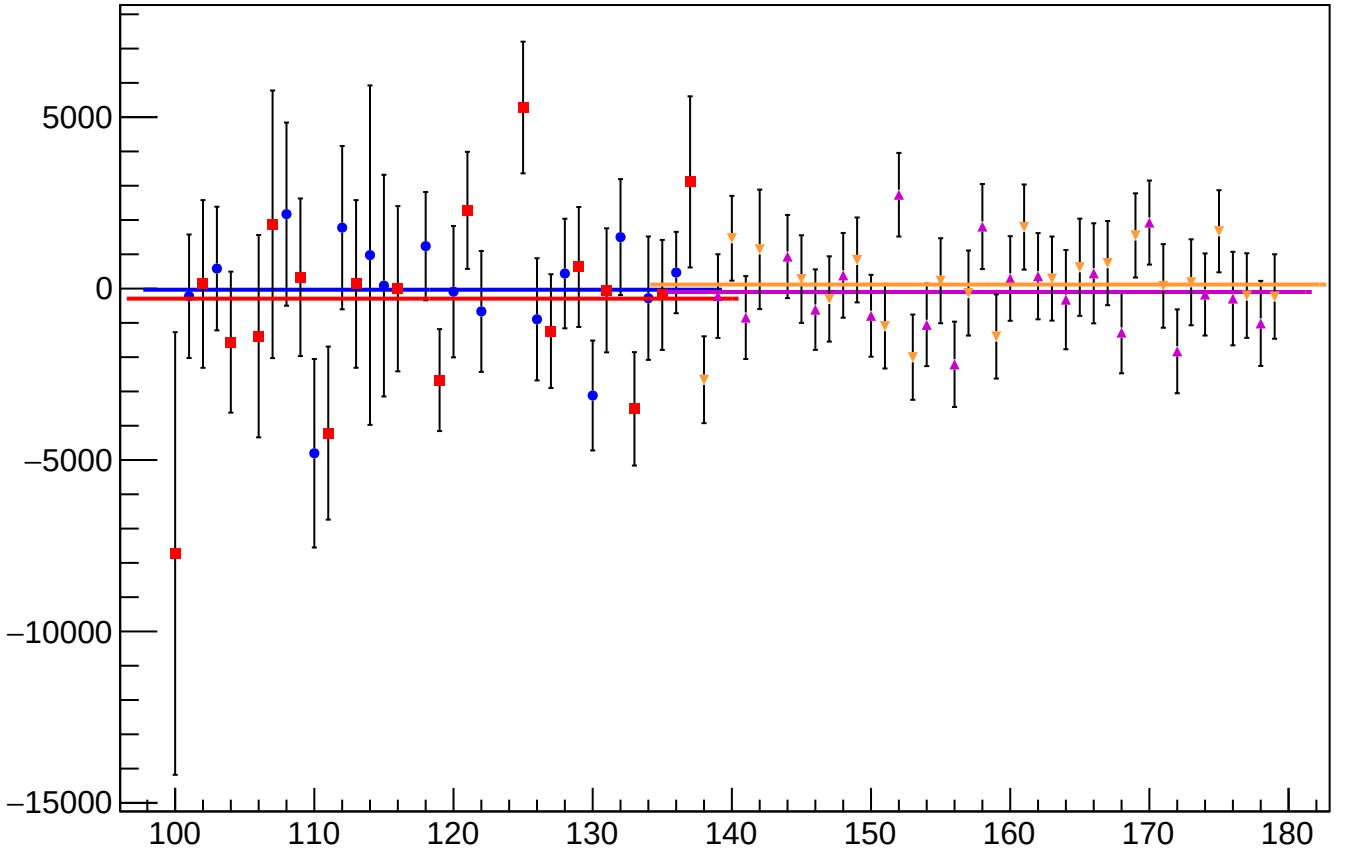
Left In: 547.543+/-0.097 χ^2/NDF:852152.5/19

+ sign 555.059+/-0.083 χ^2/NDF: 2523190.5/36

All: 553.156+/-0.059 χ^2/NDF: 5655140.9/74

- sign 551.239+/-0.083 χ^2/NDF: 3130890.4/37

eigen_dit_asym_usl_atl1_dd_mean vs Slug



Right In: -33.061+/-463.216 χ^2/NDF: 10.3/15

Left Out: 118.202+/-274.783 χ^2/NDF:17.7/20

Right Out: -293.384+/-483.838 χ^2/NDF: 24.2/17

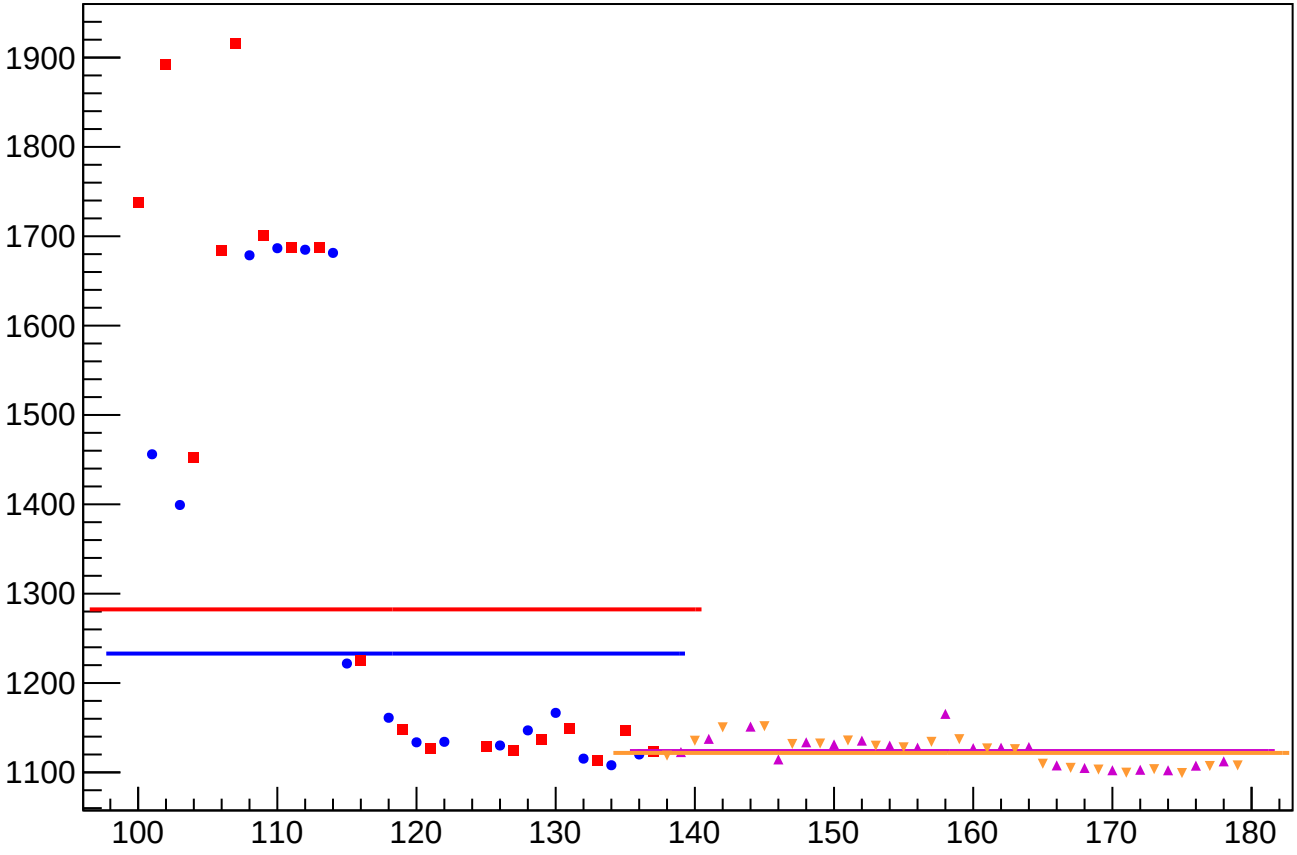
Left In: -99.361+/-278.003 χ^2/NDF:19.8/19

+ sign 78.828+/-236.329 χ^2/NDF: 28.0/36

All: -32.108+/-168.753 χ^2/NDF: 72.6/74

- sign -147.517+/-241.047 χ^2/NDF: 44.1/37

eigen_dit_asym_usl_atl1_dd_rms vs Slug



Right In: 1232.965+/-0.328 χ^2/NDF: 315470.2/15

Left Out: 1121.779+/-0.194 χ^2/NDF:6419.9/20

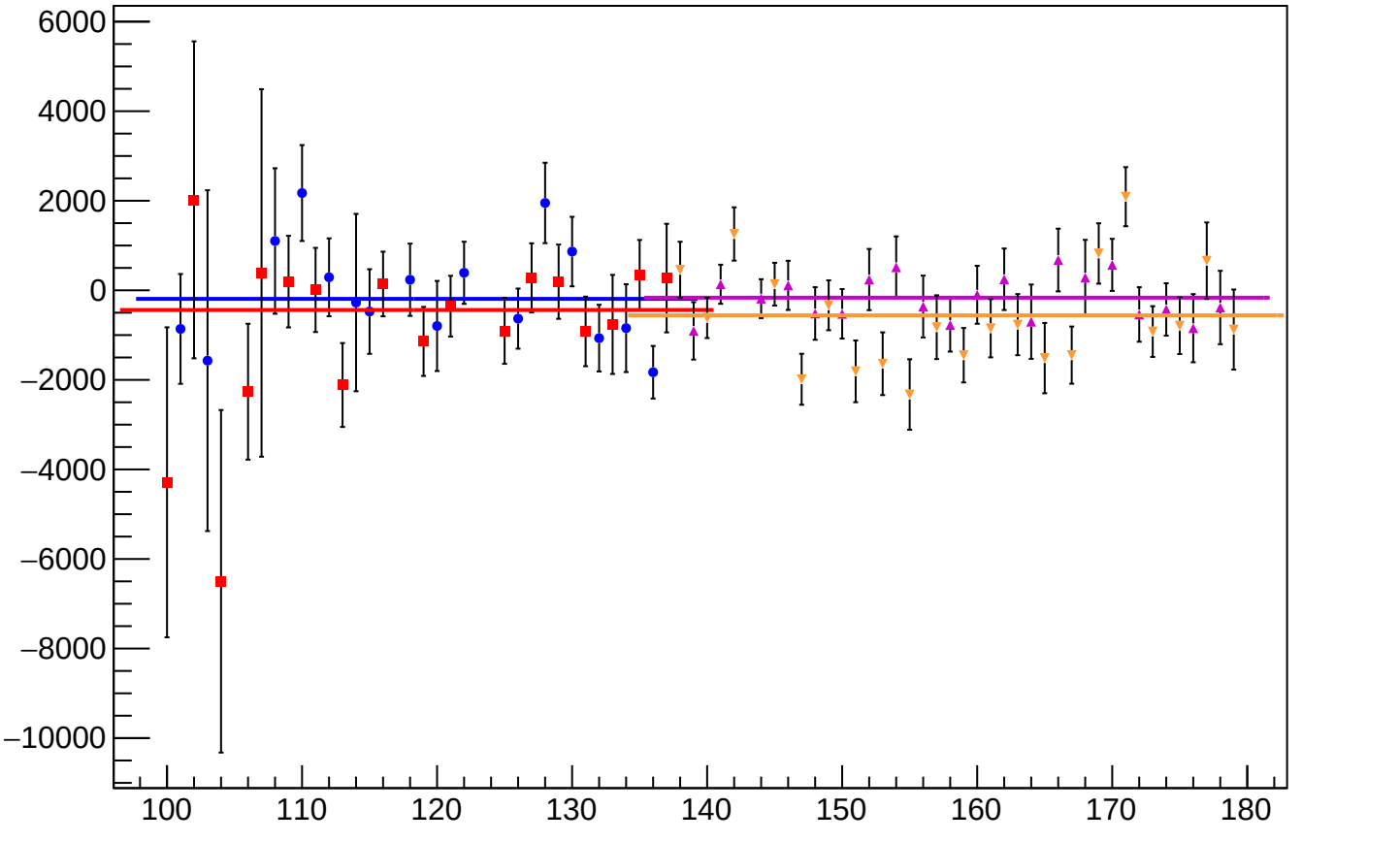
Right Out: 1282.407+/-0.342 χ^2/NDF: 543403.2/17

Left In: 1123.855+/-0.197 χ^2/NDF:7214.0/19

+ sign 1150.720+/-0.167 χ^2/NDF: 407125.5/36

All: 1156.841+/-0.119 χ^2/NDF: 1121942.5/74

- sign 1163.208+/-0.170 χ^2/NDF: 712080.1/37



Right In: -191.527+/-222.763 χ^2/NDF: 25.3/15

Left Out: -558.903+/-137.662 χ^2/NDF:60.3/20

Right Out: -439.611+/-226.600 χ^2/NDF: 14.6/17

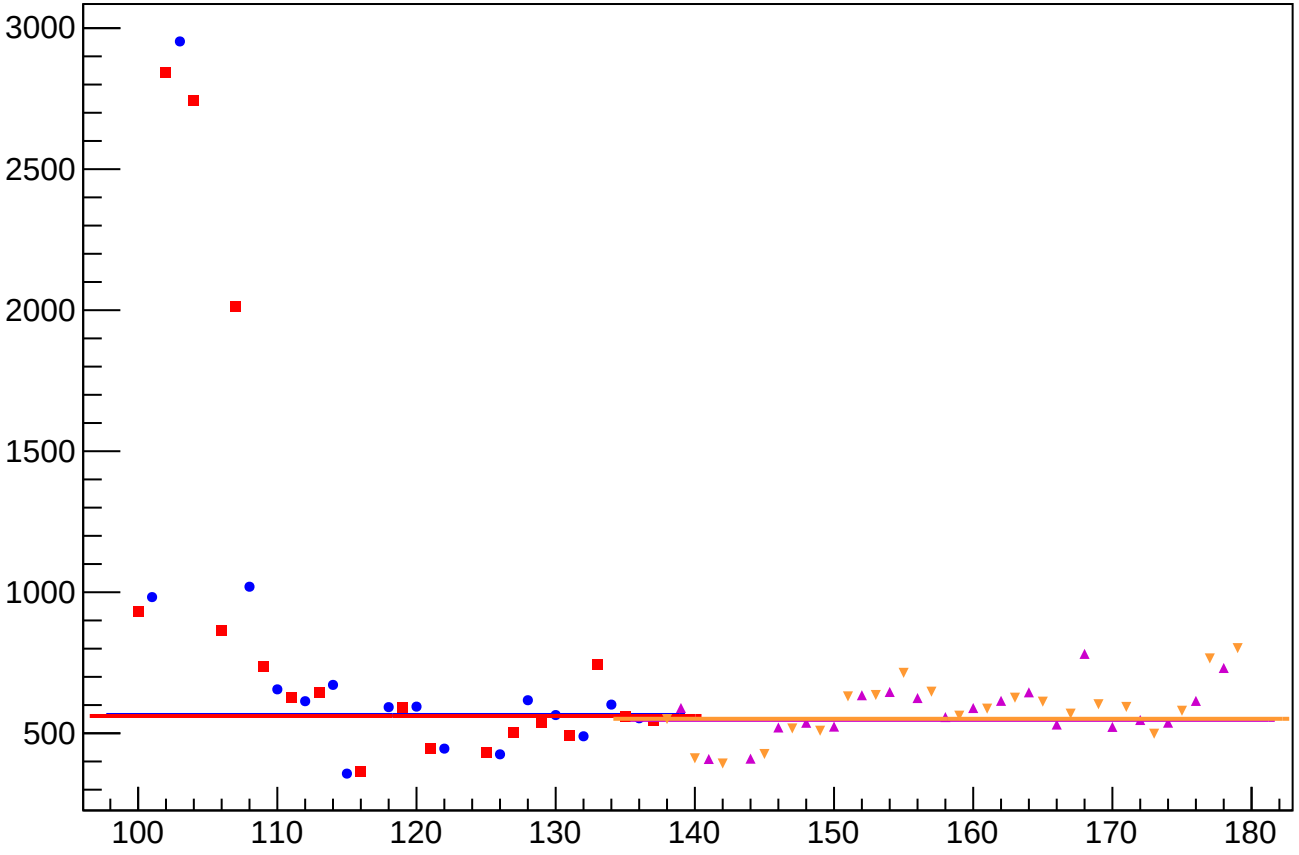
Left In: -164.634+/-137.522 χ^2/NDF:10.9/19

+ sign -457.377+/-117.105 χ^2/NDF: 87.5/36

All: -348.442+/-82.968 χ^2/NDF: 115.9/74

- sign -238.651+/-117.565 χ^2/NDF: 26.6/37

asym_usl_atl1_dd_eigen_dit_correction_rms vs Slug



Right In: 564.871+/-0.158 χ^2/NDF: 1480372.9/15

Left Out: 551.311+/-0.097 χ^2/NDF:1037472.9/20

Right Out: 561.273+/-0.160 χ^2/NDF: 2273372.4/17

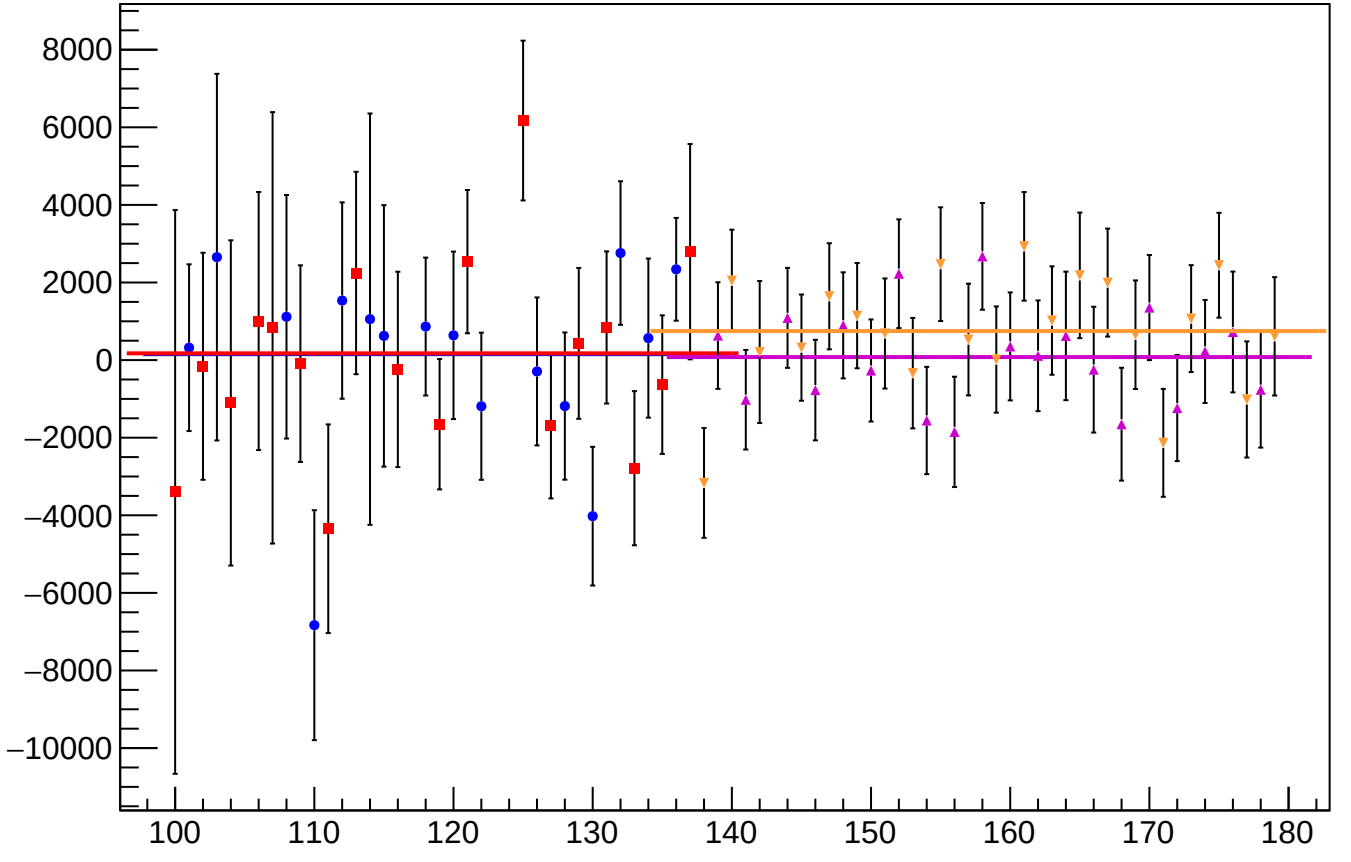
Left In: 547.543+/-0.097 χ^2/NDF:852165.6/19

+ sign 555.058+/-0.083 χ^2/NDF: 2523208.1/36

All: 553.156+/-0.059 χ^2/NDF: 5655172.5/74

- sign 551.238+/-0.083 χ^2/NDF: 3130904.5/37

asym_usl_atl1_dd_mean vs Slug



Right In: 153.375+/-532.096 χ^2/NDF: 17.8/15

Left Out: 748.925+/-310.679 χ^2/NDF:23.0/20

Right Out: 174.319+/-550.153 χ^2/NDF: 19.7/17

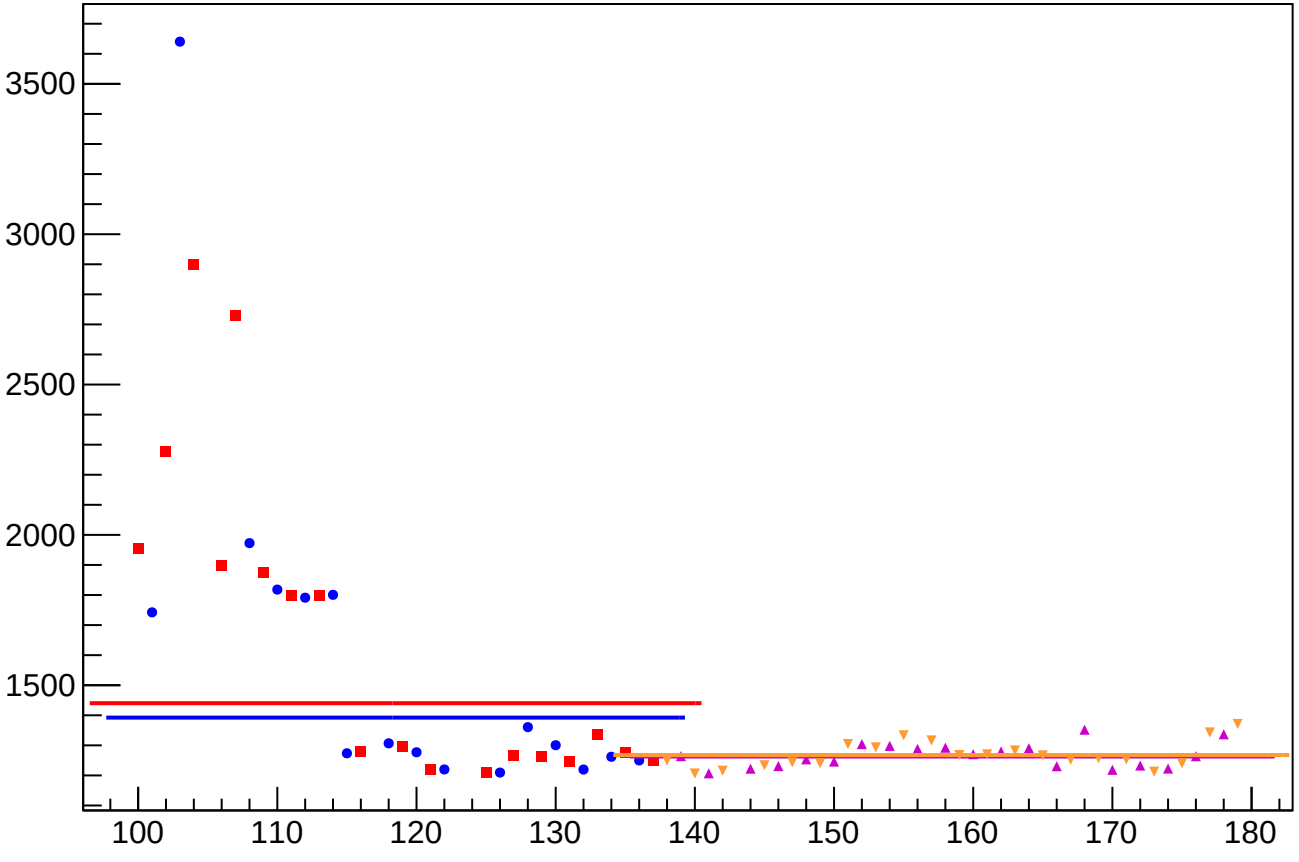
Left In: 78.121+/-312.532 χ^2/NDF:15.4/19

+ sign 597.513+/-268.294 χ^2/NDF: 41.7/36

All: 352.720+/-190.921 χ^2/NDF: 78.5/74

- sign 101.592+/-271.744 χ^2/NDF: 35.1/37

asym_usl_atl1_dd_rms vs Slug



Right In: 1392.299+/-0.376 χ^2/NDF: 779240.9/15

Left Out: 1267.764+/-0.220 χ^2/NDF:36342.3/20

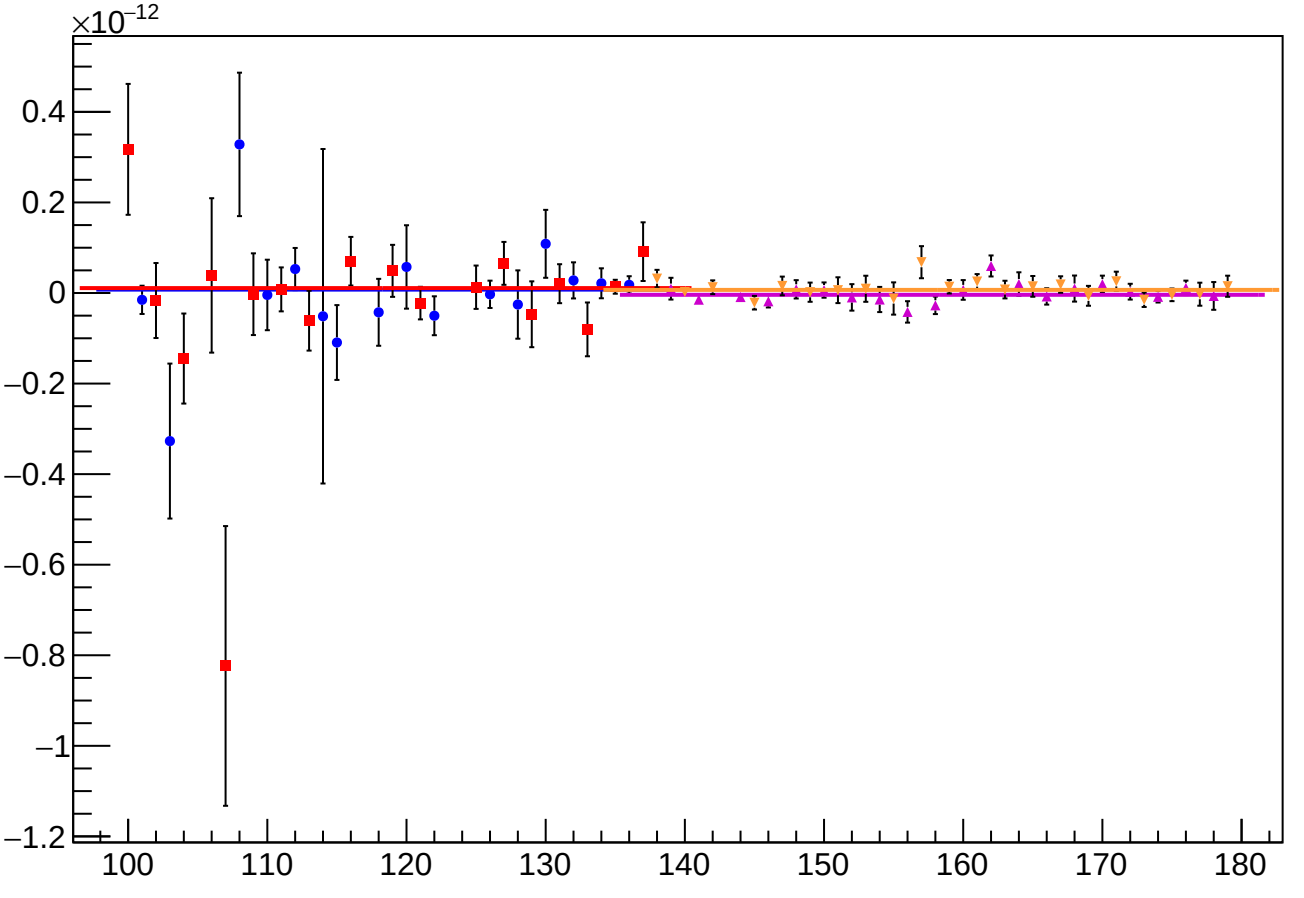
Right Out: 1440.222+/-0.389 χ^2/NDF: 854885.8/17

Left In: 1262.860+/-0.221 χ^2/NDF:30979.8/19

+ sign 1299.426+/-0.190 χ^2/NDF: 897284.1/36

All: 1302.737+/-0.135 χ^2/NDF: 1940918.0/74

- sign 1306.133+/-0.192 χ^2/NDF: 1043016.9/37



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.8/20

Right Out: 0.000+/-0.000 χ^2/NDF: 24.0/17

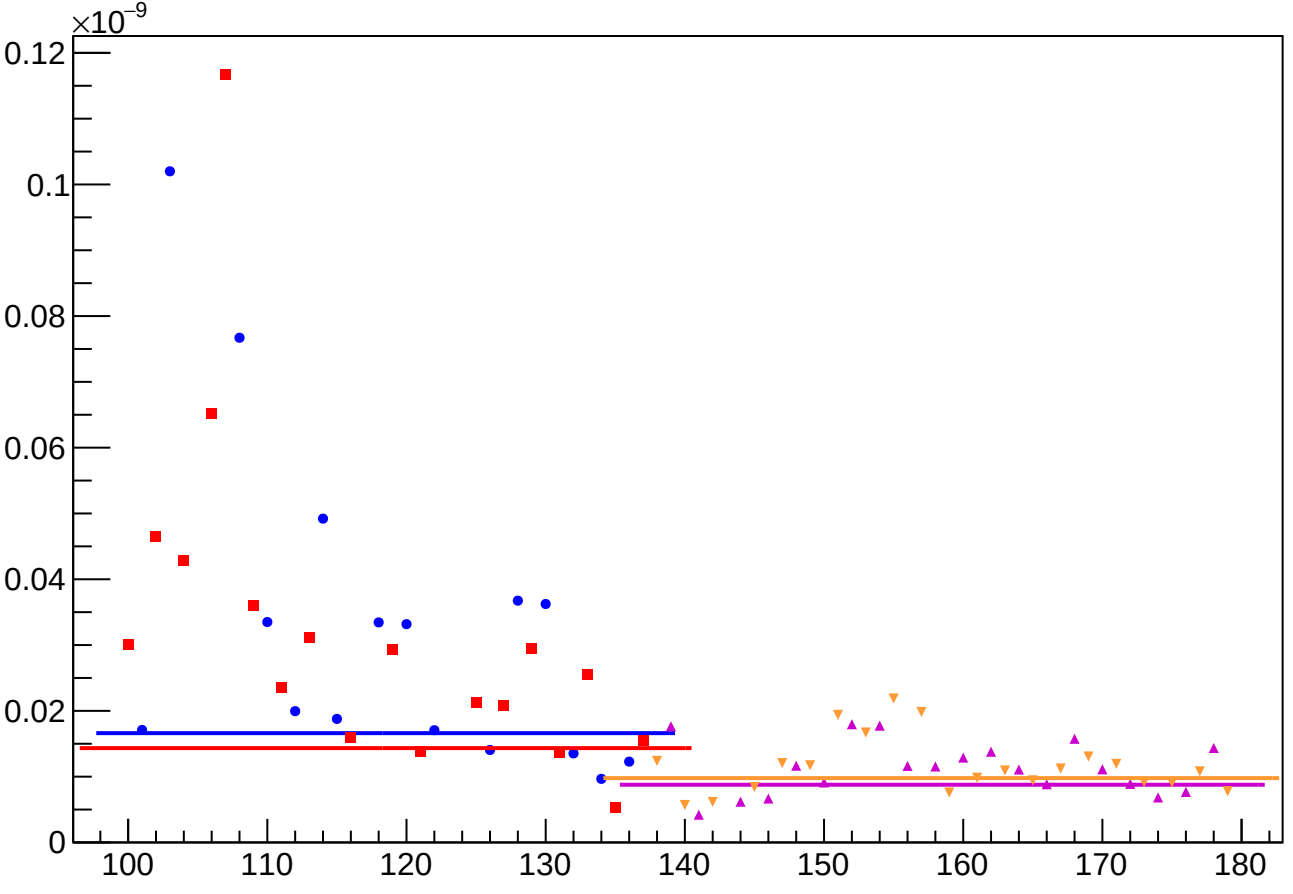
Left In: -0.000+/-0.000 χ^2/NDF:19.5/19

+ sign 0.000+/-0.000 χ^2/NDF: 31.7/36

All: 0.000+/-0.000 χ^2/NDF: 80.0/74

- sign -0.000+/-0.000 χ^2/NDF: 45.3/37

asym_usl_atl1_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1573068.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1369964.5/20

Right Out: 0.000+/-0.000 χ^2/NDF: 2258014.9/17

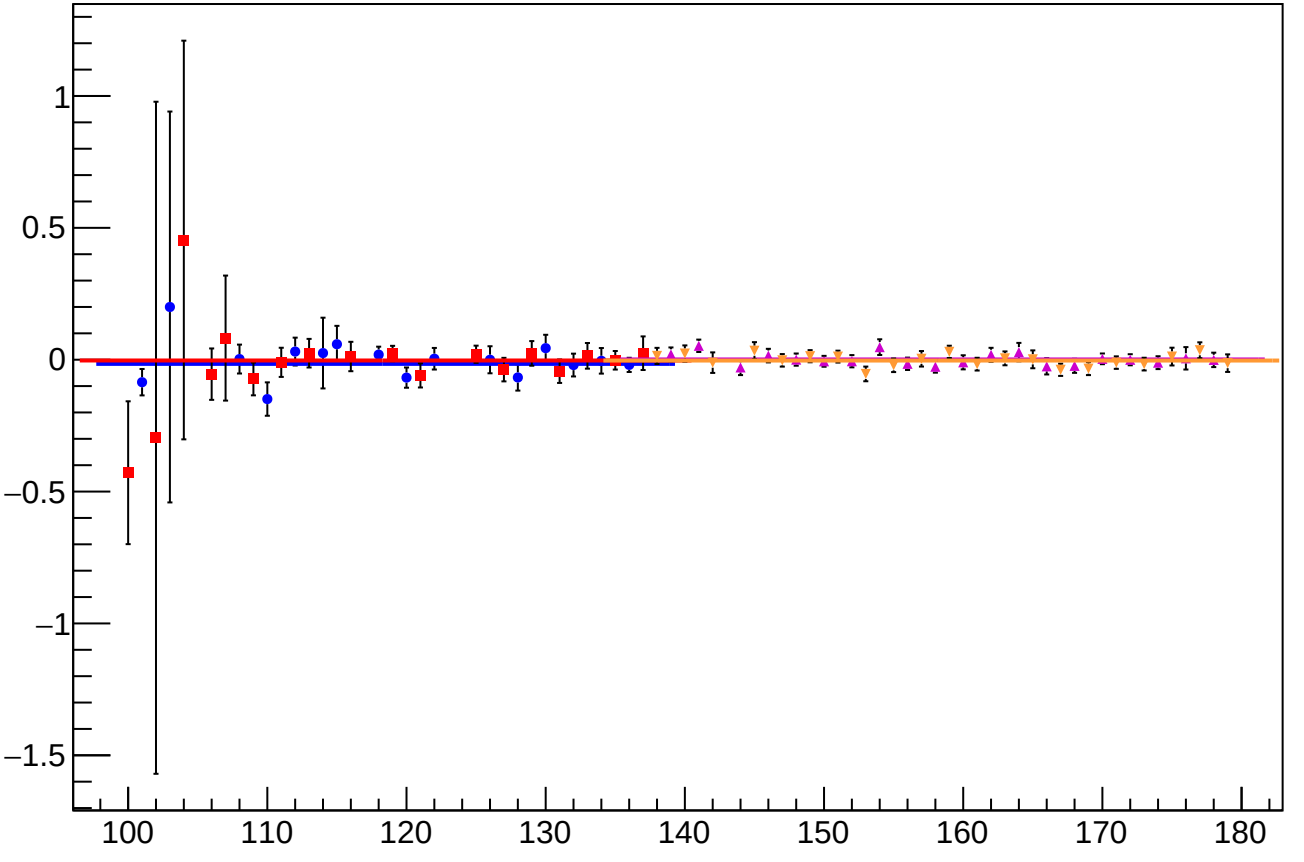
Left In: 0.000+/-0.000 χ^2/NDF:1880656.1/19

+ sign 0.000+/-0.000 χ^2/NDF: 3636890.2/36

All: 0.000+/-0.000 χ^2/NDF: 8365357.3/74

- sign 0.000+/-0.000 χ^2/NDF: 4625398.5/37

asym_usl_atl1_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: -0.003+/-0.006 χ^2/NDF:15.9/20

Right Out: -0.003+/-0.012 χ^2/NDF: 9.9/17

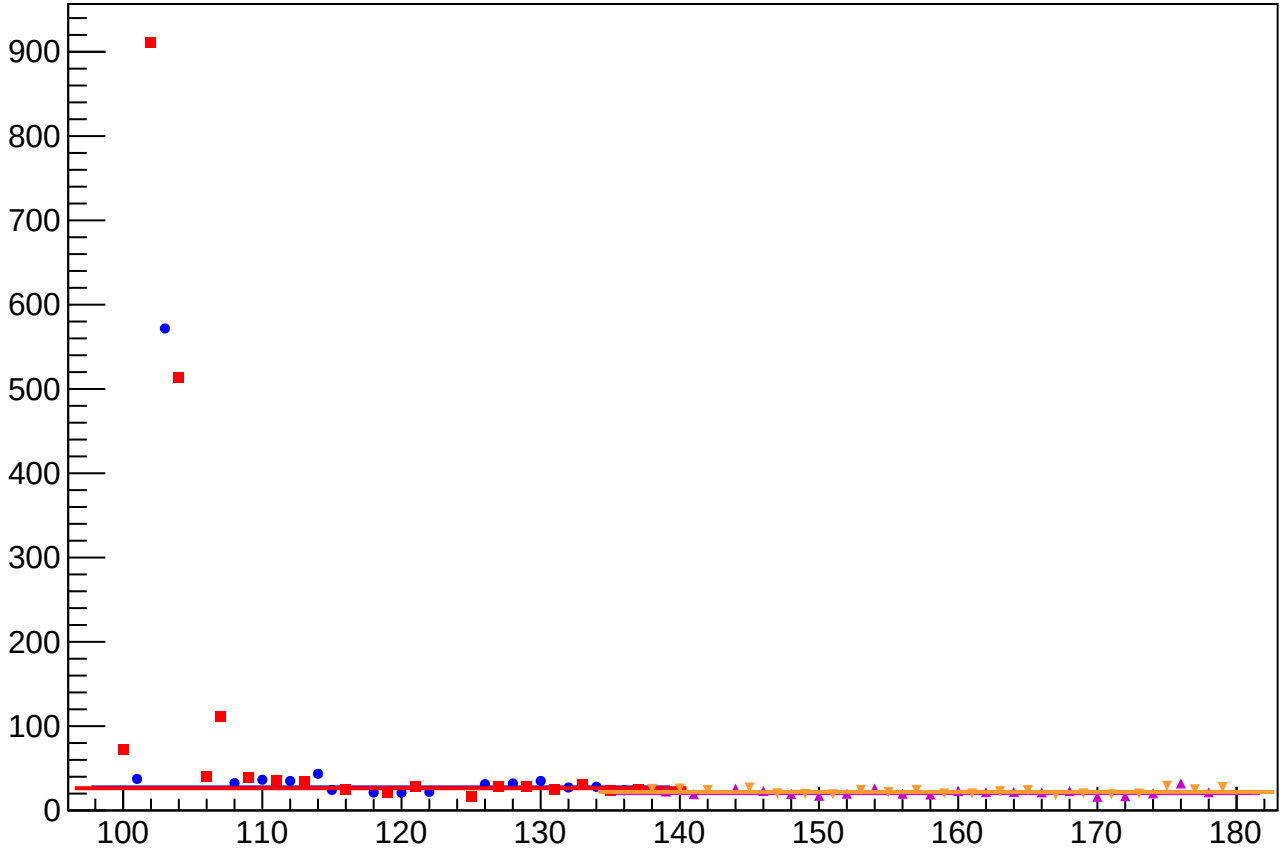
Left In: 0.001+/-0.006 χ^2/NDF:14.5/19

+ sign -0.006+/-0.005 χ^2/NDF: 31.5/36

All: -0.003+/-0.004 χ^2/NDF: 56.6/74

- sign 0.000+/-0.005 χ^2/NDF: 24.5/37

asym_usl_atl1_dd_dit_vs_cor_diff_rms vs Slug



Right In: 27.305+/-0.008 χ^2/NDF: 1568329.0/15

Left Out: 21.965+/-0.004 χ^2/NDF:520614.9/20

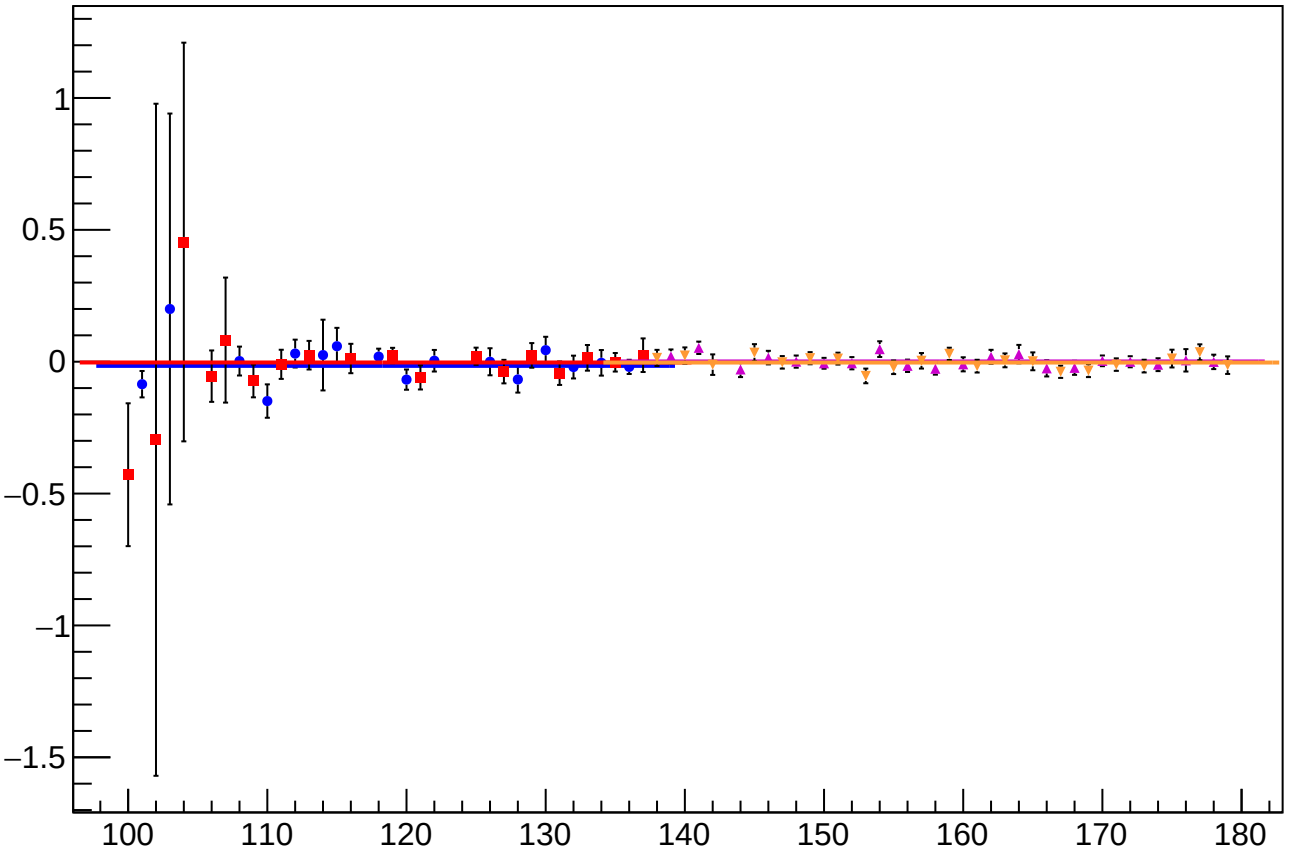
Right Out: 26.400+/-0.009 χ^2/NDF: 2614691.8/17

Left In: 20.603+/-0.004 χ^2/NDF:574136.4/19

+ sign 23.059+/-0.004 χ^2/NDF: 2428300.8/36

All: 22.340+/-0.003 χ^2/NDF: 6071846.0/74

- sign 21.653+/-0.004 χ^2/NDF: 3569662.6/37



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: -0.003+/-0.006 χ^2/NDF:15.9/20

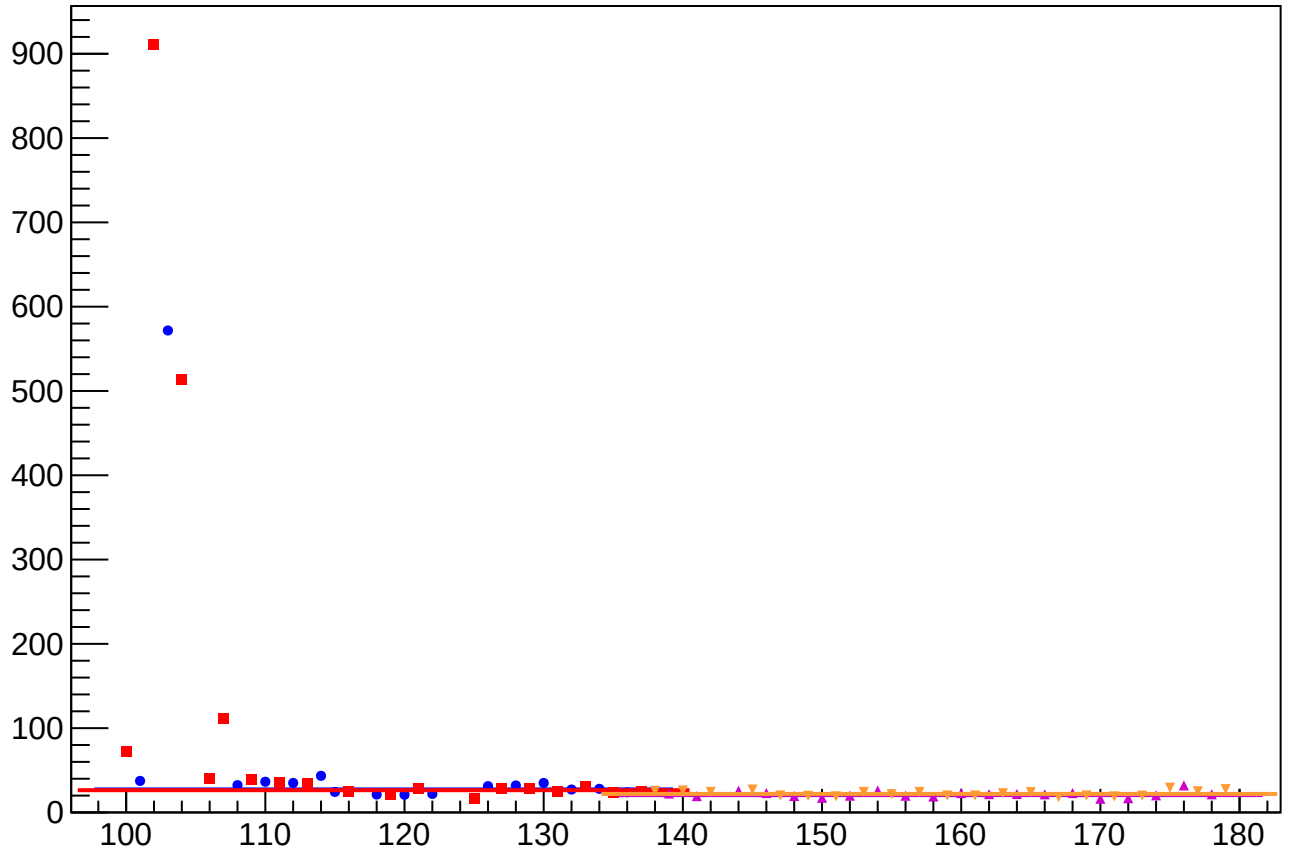
Right Out: -0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: 0.001+/-0.006 χ^2/NDF:14.5/19

+ sign -0.006+/-0.005 χ^2/NDF: 31.5/36

All: -0.003+/-0.004 χ^2/NDF: 56.6/74

- sign 0.000+/-0.005 χ^2/NDF: 24.5/37



Right In: 27.305+/-0.008 χ^2/NDF: 1568329.0/15

Left Out: 21.965+/-0.004 χ^2/NDF:520614.9/20

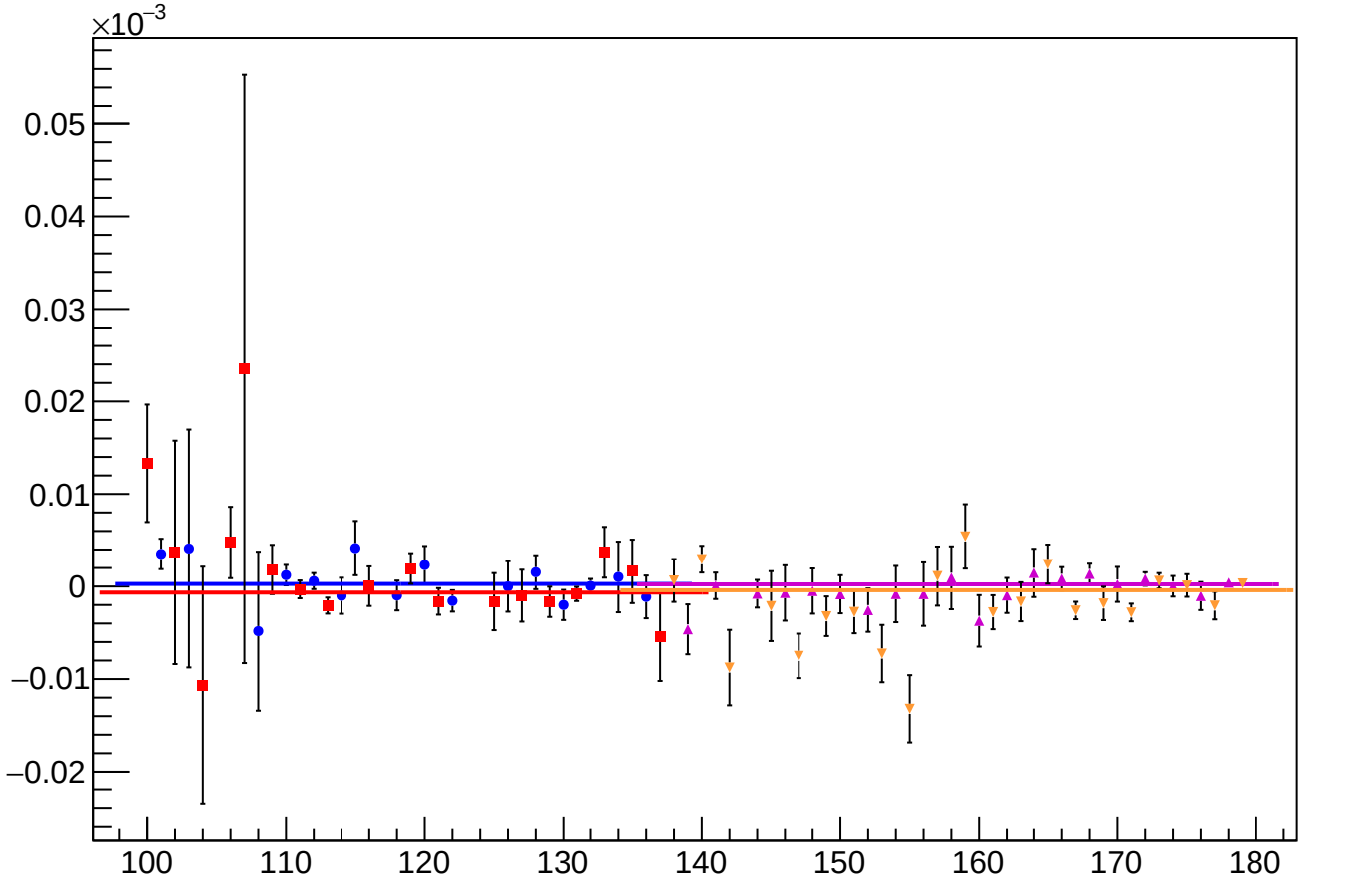
Right Out: 26.400+/-0.009 χ^2/NDF: 2614691.8/17

Left In: 20.603+/-0.004 χ^2/NDF:574136.4/19

+ sign 23.059+/-0.004 χ^2/NDF: 2428300.8/36

All: 22.340+/-0.003 χ^2/NDF: 6071846.0/74

- sign 21.653+/-0.004 χ^2/NDF: 3569662.6/37



Right In: 0.000+/-0.000 χ^2/NDF: 14.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:66.0/20

Right Out: -0.000+/-0.000 χ^2/NDF: 19.3/17

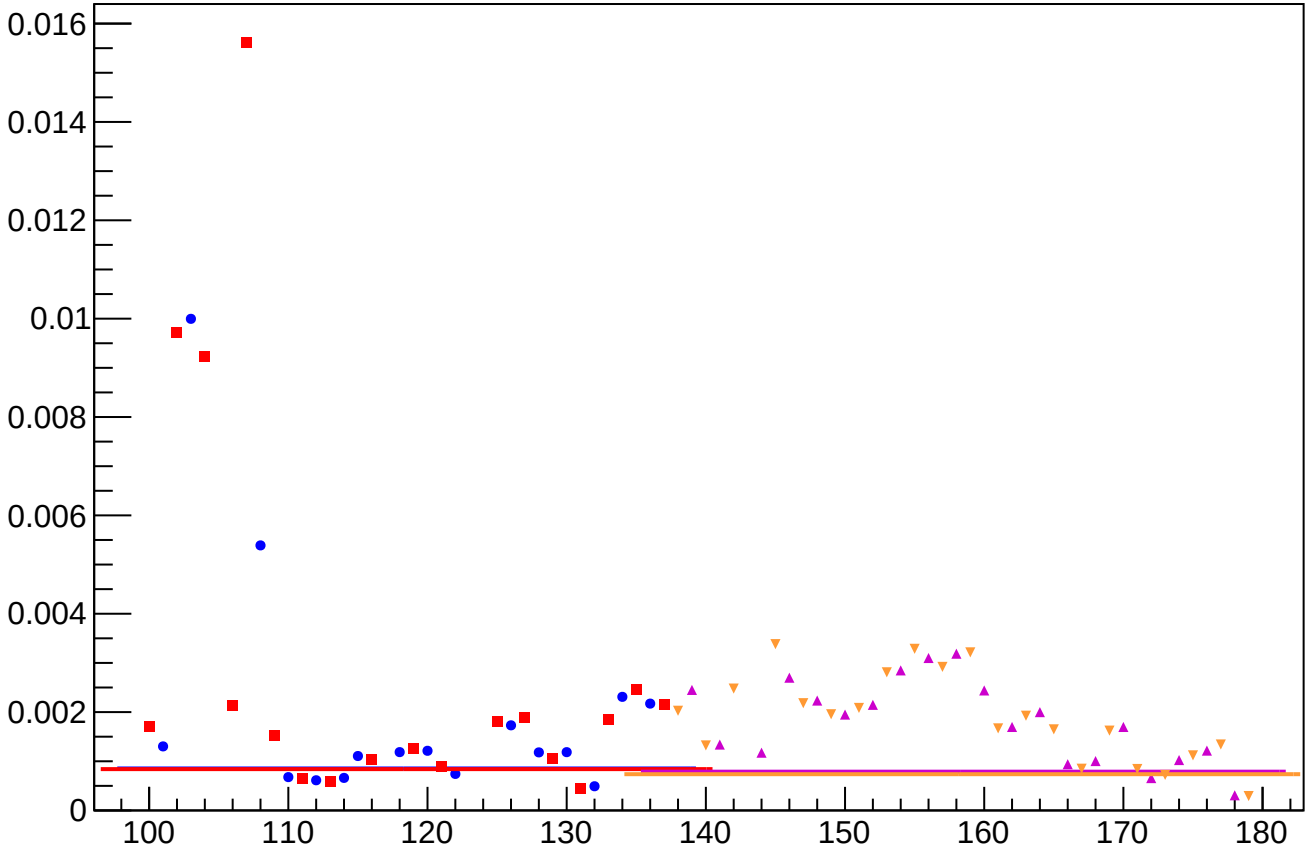
Left In: 0.000+/-0.000 χ^2/NDF:11.3/19

+ sign -0.000+/-0.000 χ^2/NDF: 82.8/36

All: -0.000+/-0.000 χ^2/NDF: 117.2/74

- sign -0.000+/-0.000 χ^2/NDF: 34.1/37

asym_usl_atl1_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 3863719.0/15

Left Out: 0.001+/-0.000 χ^2/NDF:14459335.2/20

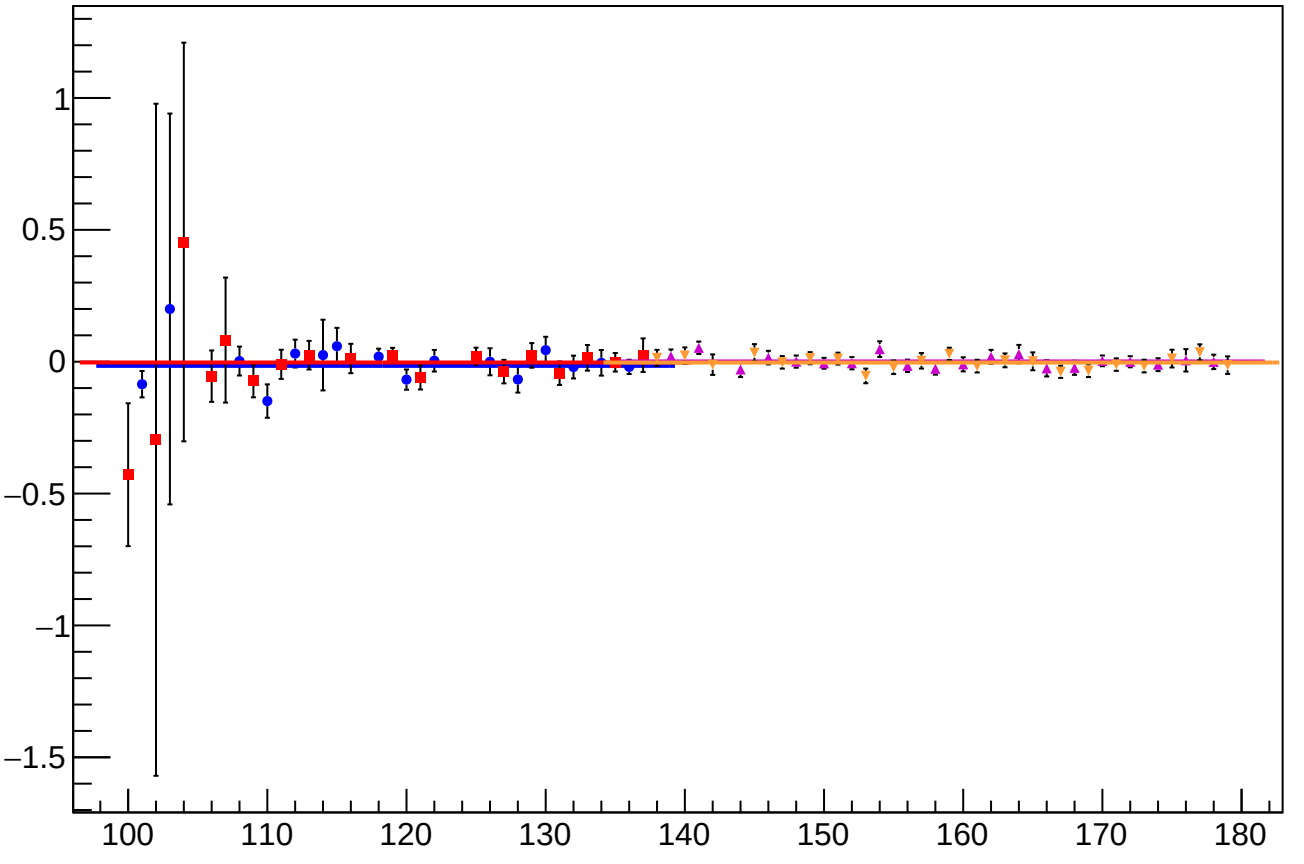
Right Out: 0.001+/-0.000 χ^2/NDF: 5039455.2/17

Left In: 0.001+/-0.000 χ^2/NDF:12743117.2/19

+ sign 0.001+/-0.000 χ^2/NDF: 18456885.7/36

All: 0.001+/-0.000 χ^2/NDF: 36287121.5/74

- sign 0.001+/-0.000 χ^2/NDF: 17806458.0/37



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: -0.003+/-0.006 χ^2/NDF:15.9/20

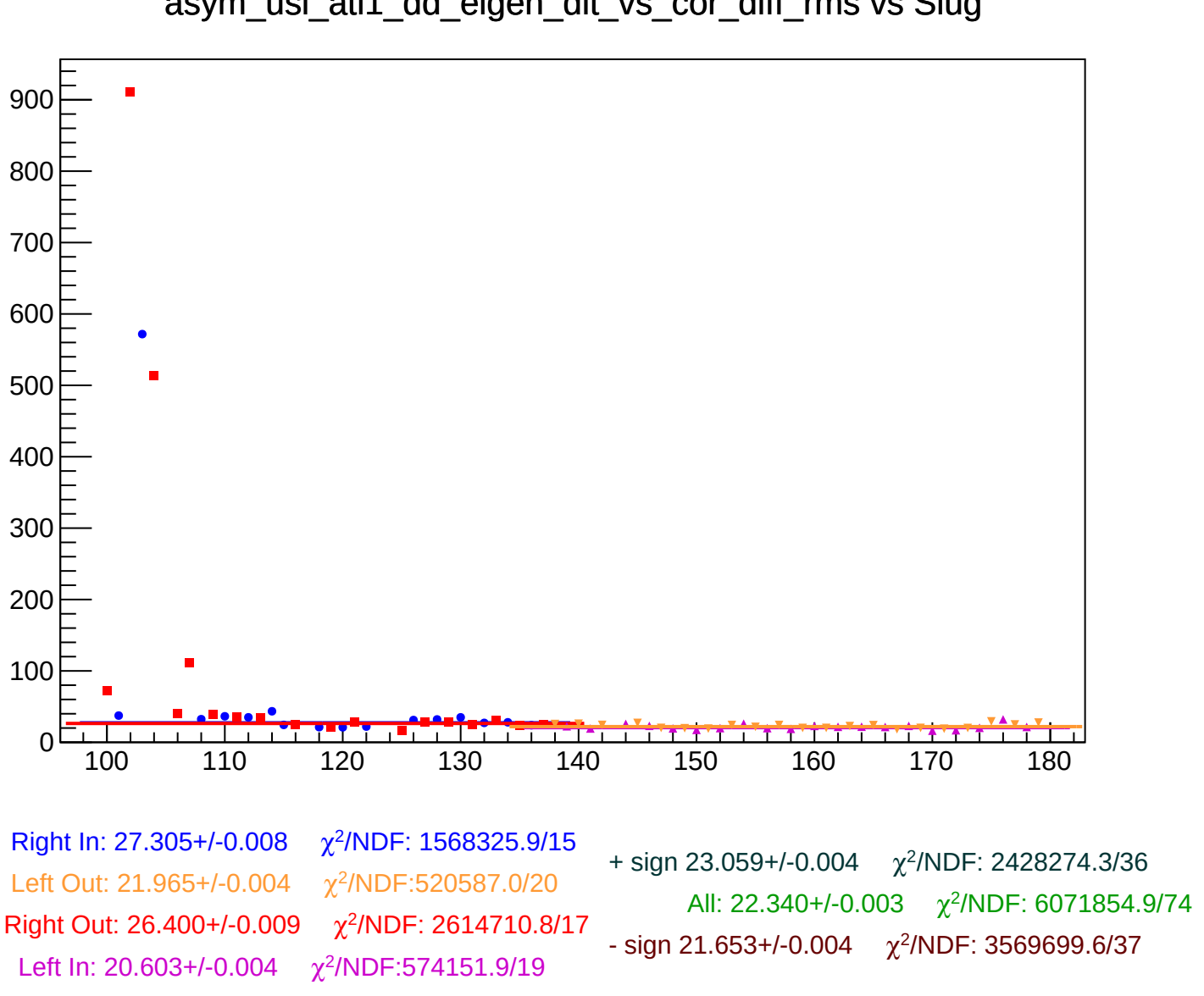
Right Out: -0.003+/-0.012 χ^2/NDF: 9.9/17

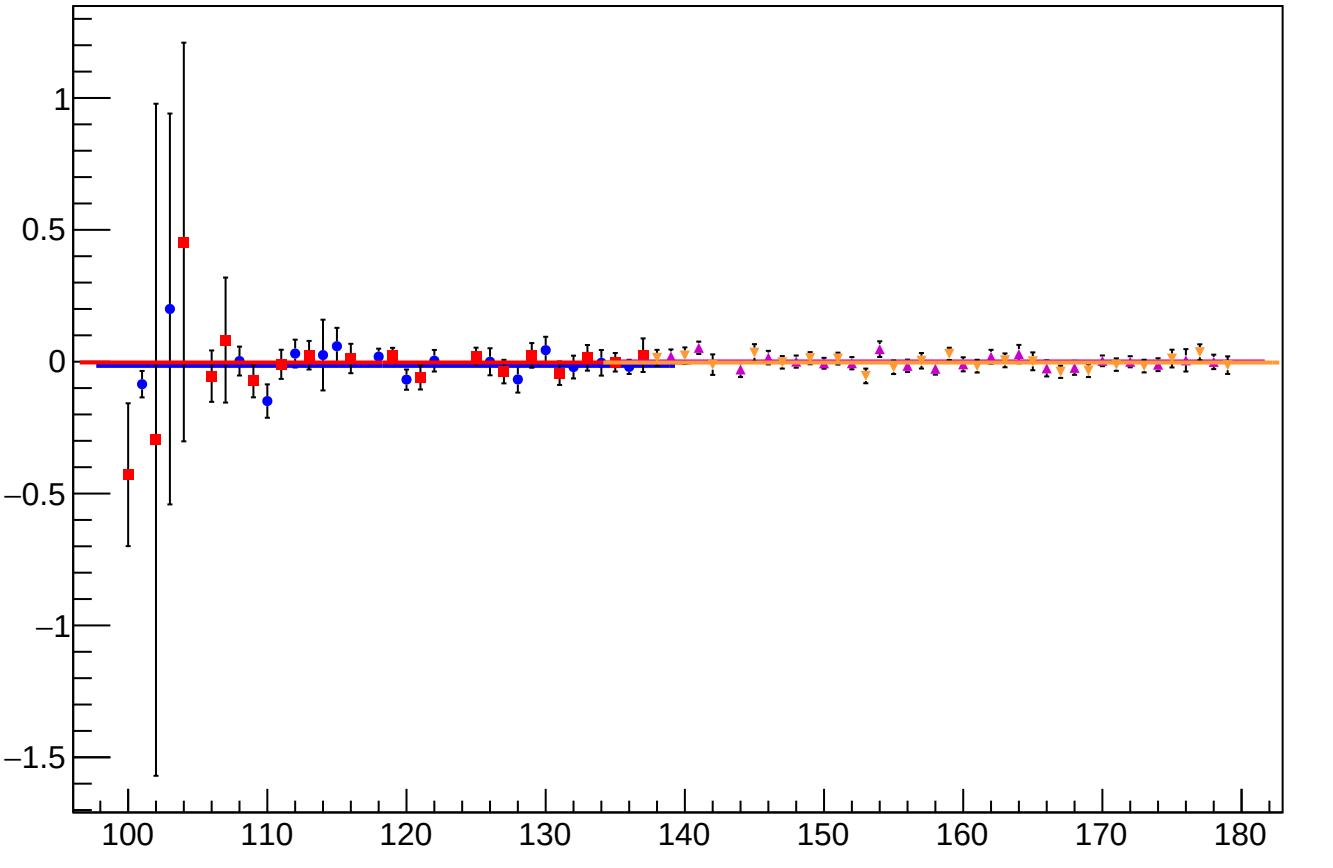
Left In: 0.001+/-0.006 χ^2/NDF:14.5/19

+ sign -0.006+/-0.005 χ^2/NDF: 31.5/36

All: -0.003+/-0.004 χ^2/NDF: 56.6/74

- sign 0.000+/-0.005 χ^2/NDF: 24.5/37


asym_usl_atl1_dd_eigen_dit_vs_cor_diff_rms vs Slug
900
800
700
600
500
400
300
200
100
0
100
110
120
130
140
150
160
170
180
Right In: 27.305+/-0.008 χ²/NDF: 1568325.9/15
Left Out: 21.965+/-0.004 χ²/NDF:520587.0/20
Right Out: 26.400+/-0.009 χ²/NDF: 2614710.8/17
Left In: 20.603+/-0.004 χ²/NDF:574151.9/19
+ sign 23.059+/-0.004 χ²/NDF: 2428274.3/36
All: 22.340+/-0.003 χ²/NDF: 6071854.9/74
- sign 21.653+/-0.004 χ²/NDF: 3569699.6/37



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: -0.003+/-0.006 χ^2/NDF:15.9/20

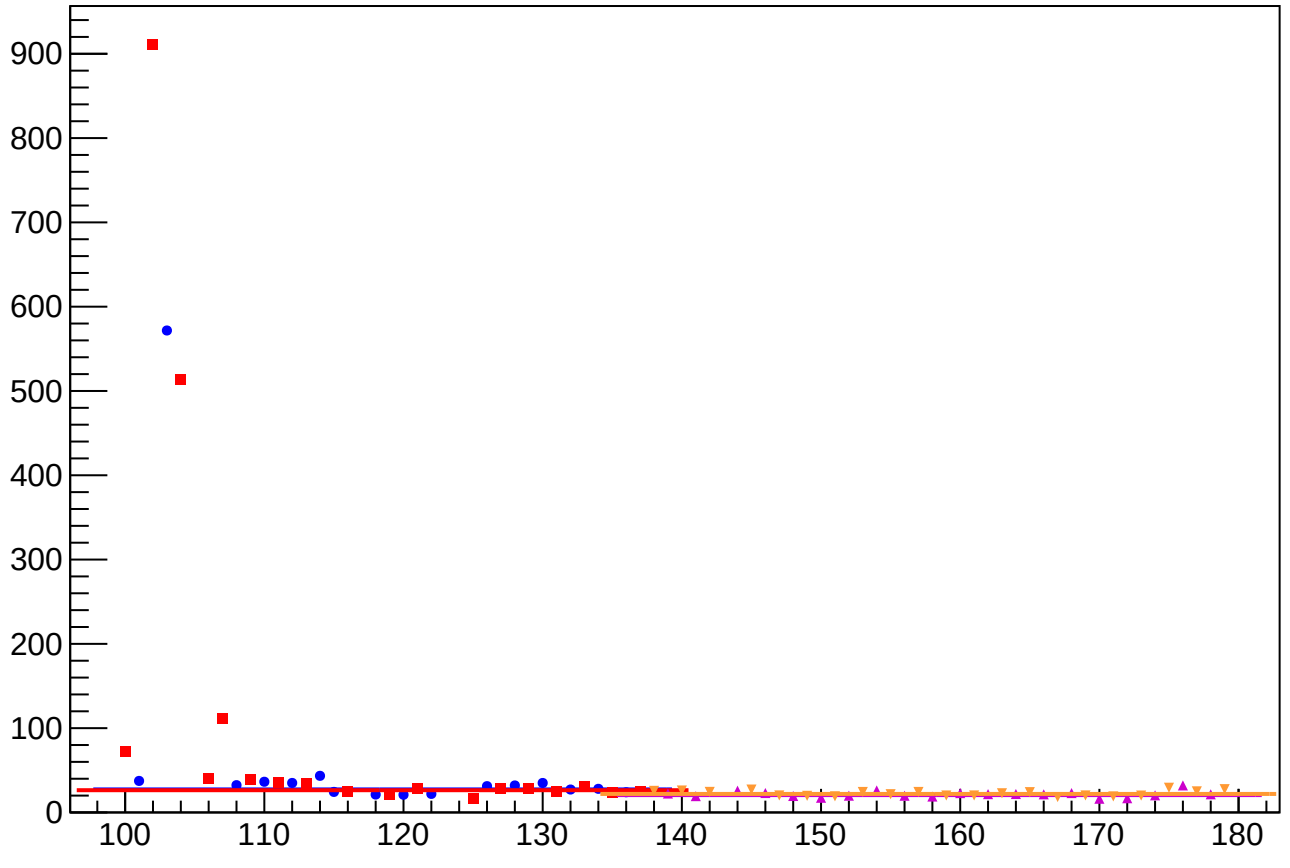
Right Out: -0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: 0.001+/-0.006 χ^2/NDF:14.5/19

+ sign -0.006+/-0.005 χ^2/NDF: 31.5/36

All: -0.003+/-0.004 χ^2/NDF: 56.6/74

- sign 0.000+/-0.005 χ^2/NDF: 24.5/37



Right In: 27.305+/-0.008 χ^2/NDF: 1568325.9/15

Left Out: 21.965+/-0.004 χ^2/NDF:520587.0/20

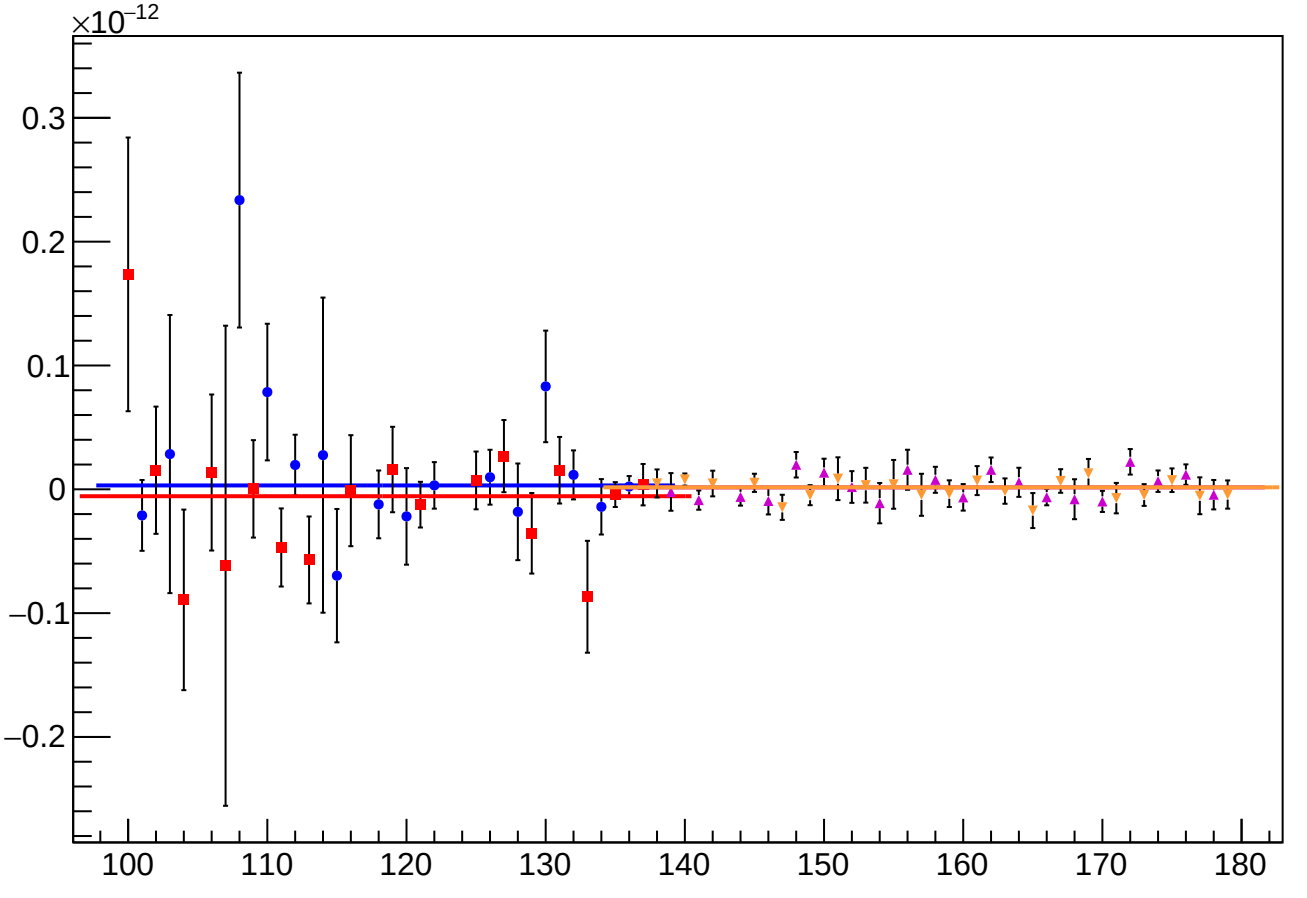
Right Out: 26.400+/-0.009 χ^2/NDF: 2614710.8/17

Left In: 20.603+/-0.004 χ^2/NDF:574151.9/19

+ sign 23.059+/-0.004 χ^2/NDF: 2428274.3/36

All: 22.340+/-0.003 χ^2/NDF: 6071854.9/74

- sign 21.653+/-0.004 χ^2/NDF: 3569699.6/37



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

Left Out: 0.000+/-0.000 χ^2/NDF:10.8/20

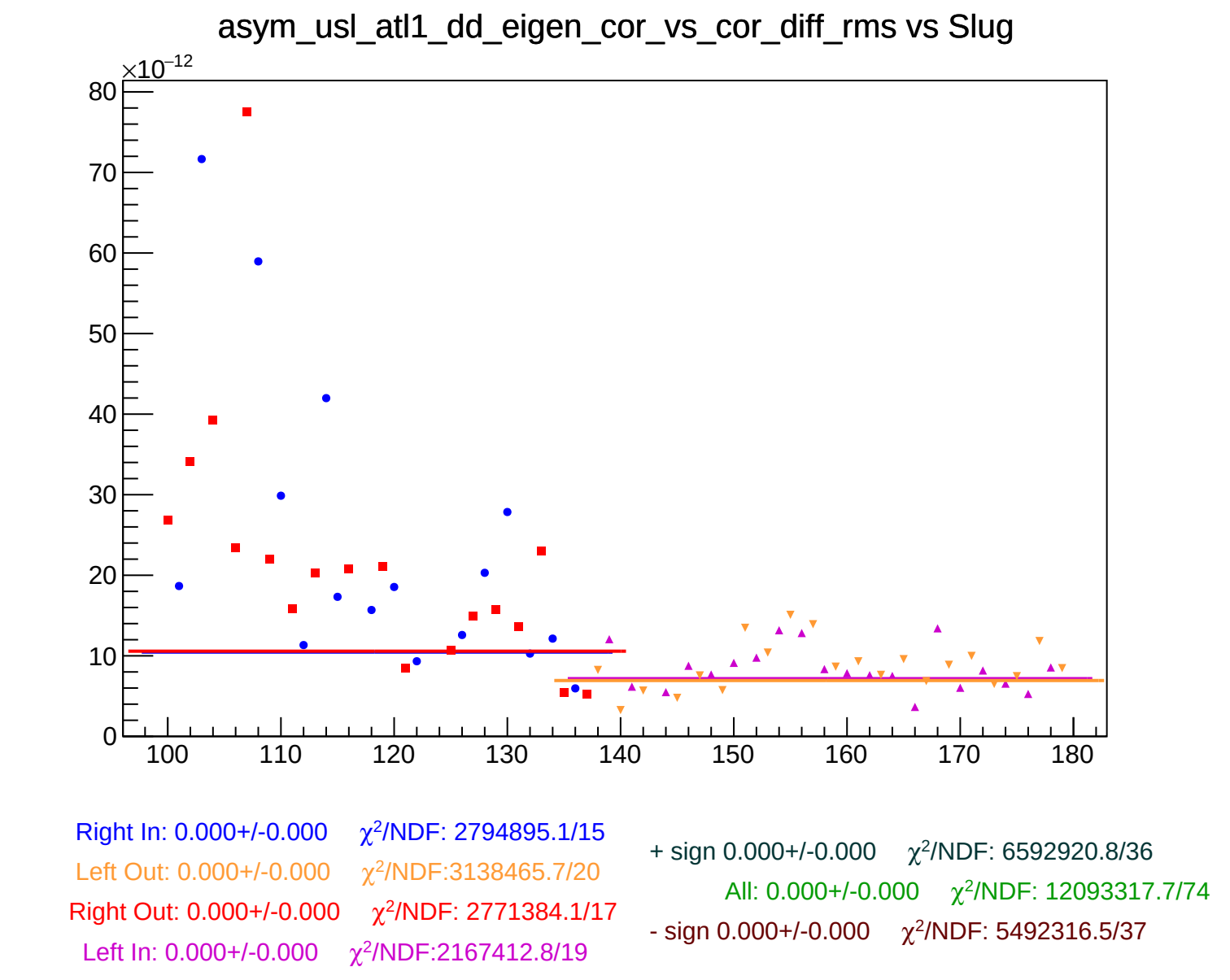
Right Out: -0.000+/-0.000 χ^2/NDF: 15.3/17

Left In: 0.000+/-0.000 χ^2/NDF:22.5/19

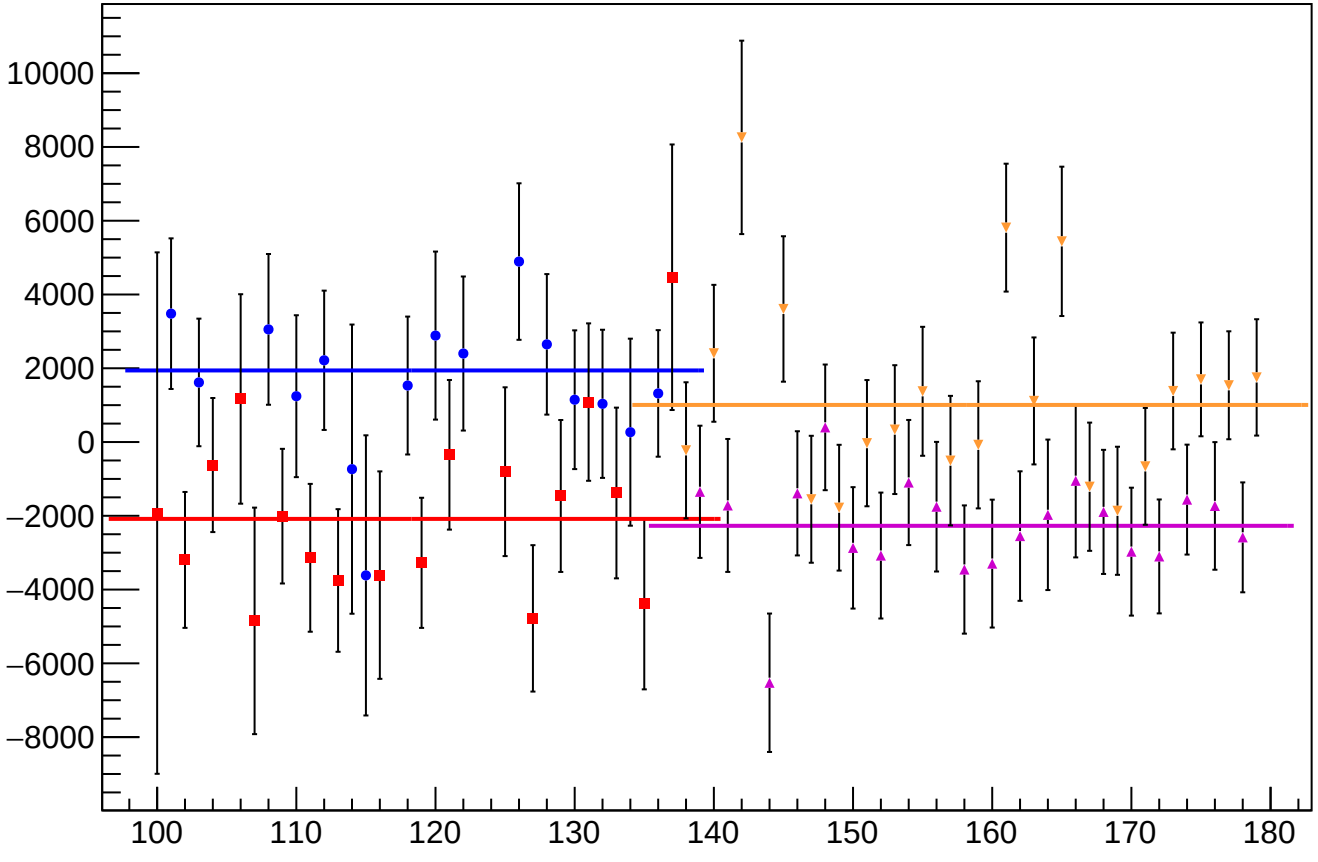
+ sign 0.000+/-0.000 χ^2/NDF: 25.9/36

All: 0.000+/-0.000 χ^2/NDF: 65.0/74

- sign 0.000+/-0.000 χ^2/NDF: 38.9/37


asym_usl_atl1_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
80
70
60
50
40
30
20
10
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2794895.1/15
Left Out: 0.000+/-0.000 χ²/NDF:3138465.7/20
Right Out: 0.000+/-0.000 χ²/NDF: 2771384.1/17
Left In: 0.000+/-0.000 χ²/NDF:2167412.8/19
+ sign 0.000+/-0.000 χ²/NDF: 6592920.8/36
All: 0.000+/-0.000 χ²/NDF: 12093317.7/74
- sign 0.000+/-0.000 χ²/NDF: 5492316.5/37

reg_asym_usl_atl2_avg_mean vs Slug



Right In: 1940.976+/-522.174 χ^2/NDF: 6.9/15

Left Out: 1005.930+/-378.245 χ^2/NDF:35.5/20

Right Out: -2083.952+/-519.583 χ^2/NDF: 14.5/17

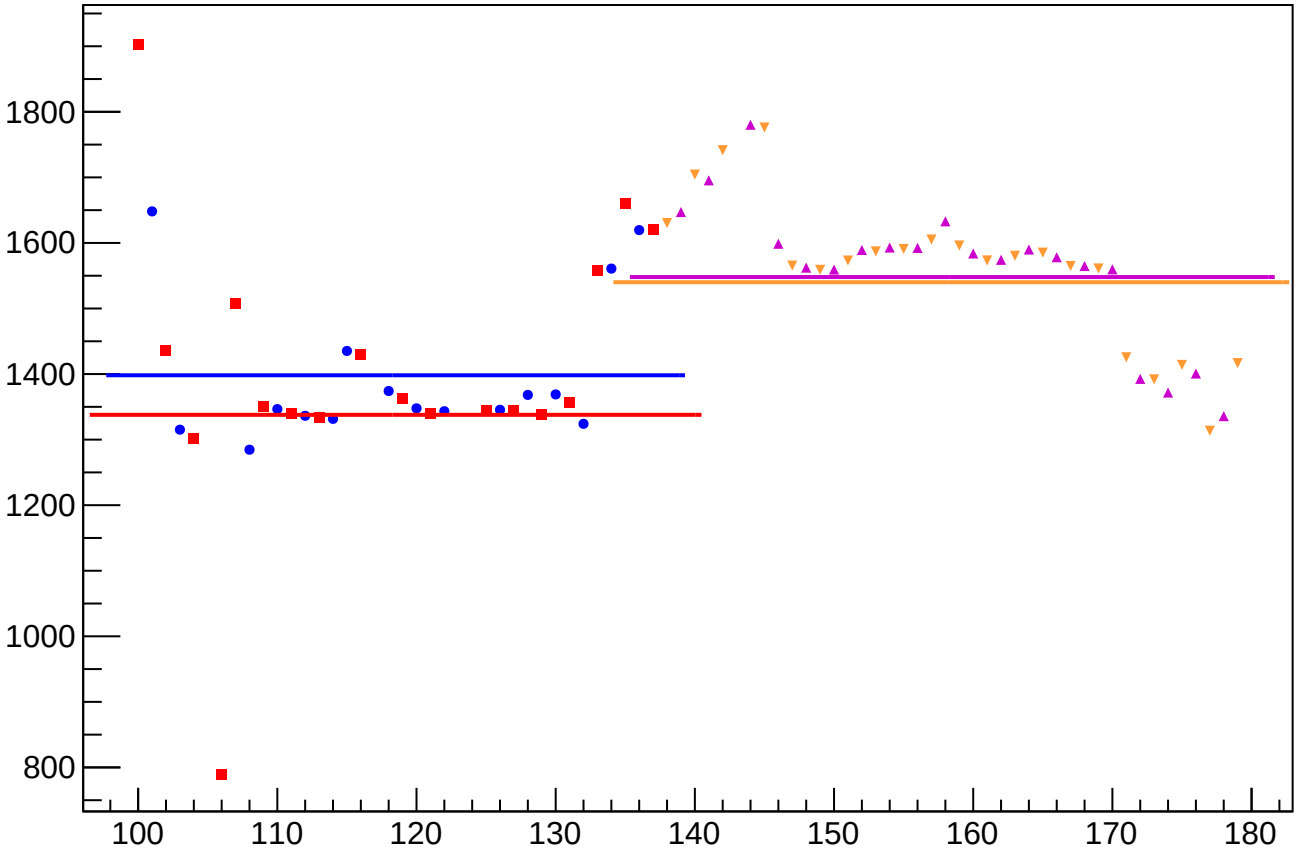
Left In: -2271.382+/-383.935 χ^2/NDF:11.2/19

+ sign 1327.713+/-306.323 χ^2/NDF: 44.6/36

All: -424.620+/-217.467 χ^2/NDF: 136.3/74

- sign -2205.186+/-308.781 χ^2/NDF: 25.8/37

reg_asym_usl_atl2_avg_rms vs Slug



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1540.096+/-0.267 χ^2/NDF:175383.1/20

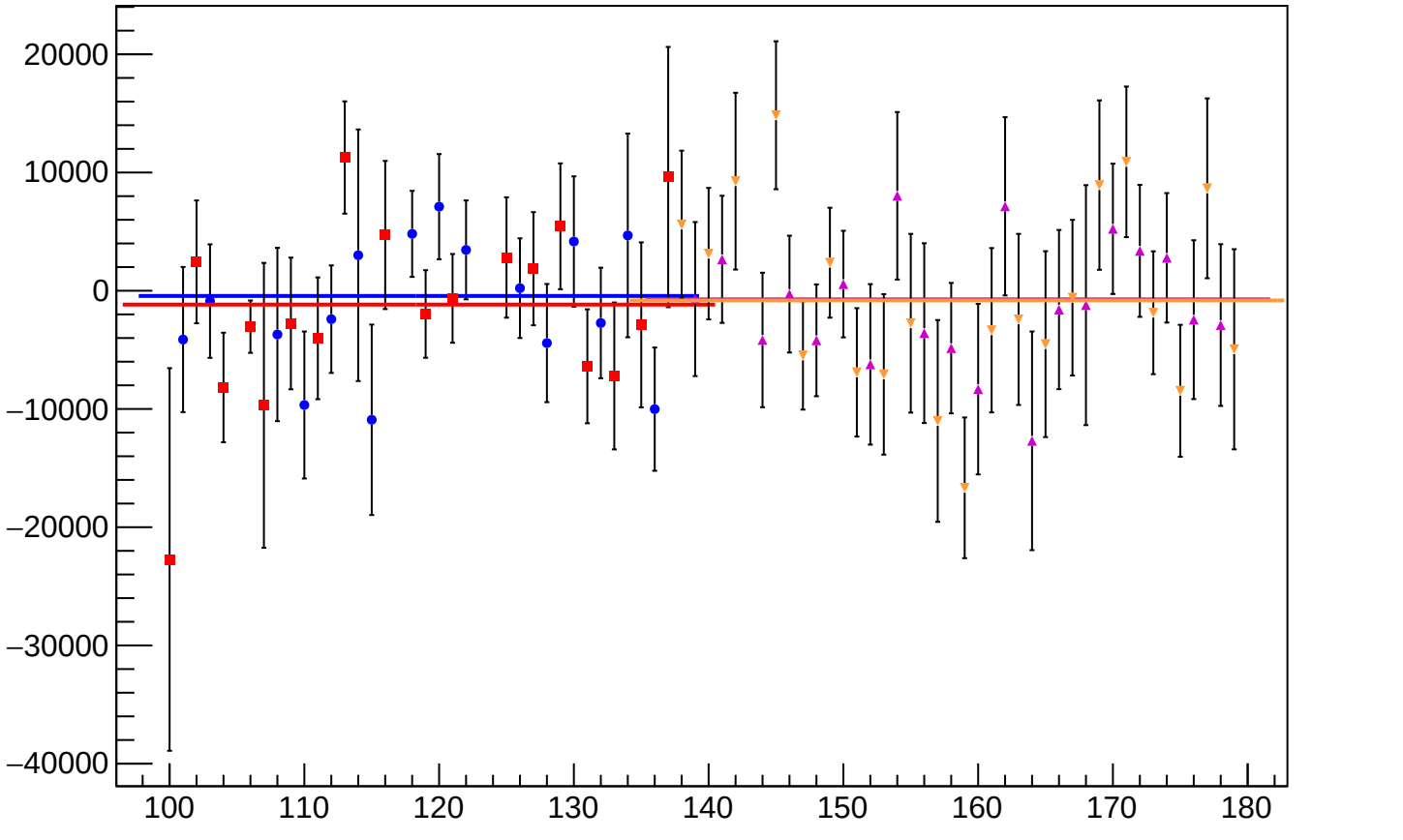
Right Out: 1337.819+/-0.356 χ^2/NDF: 317763.3/17

Left In: 1547.988+/-0.271 χ^2/NDF:166972.4/19

+ sign 1491.251+/-0.217 χ^2/NDF: 366222.8/36

All: 1480.931+/-0.153 χ^2/NDF: 1075927.1/74

- sign 1470.681+/-0.216 χ^2/NDF: 705179.5/37



Right In: -441.138+/-1295.916 χ^2/NDF: 15.9/15

Left Out: -820.631+/-1368.387 χ^2/NDF:31.2/20

Right Out: -1171.548+/-1119.890 χ^2/NDF: 19.7/17

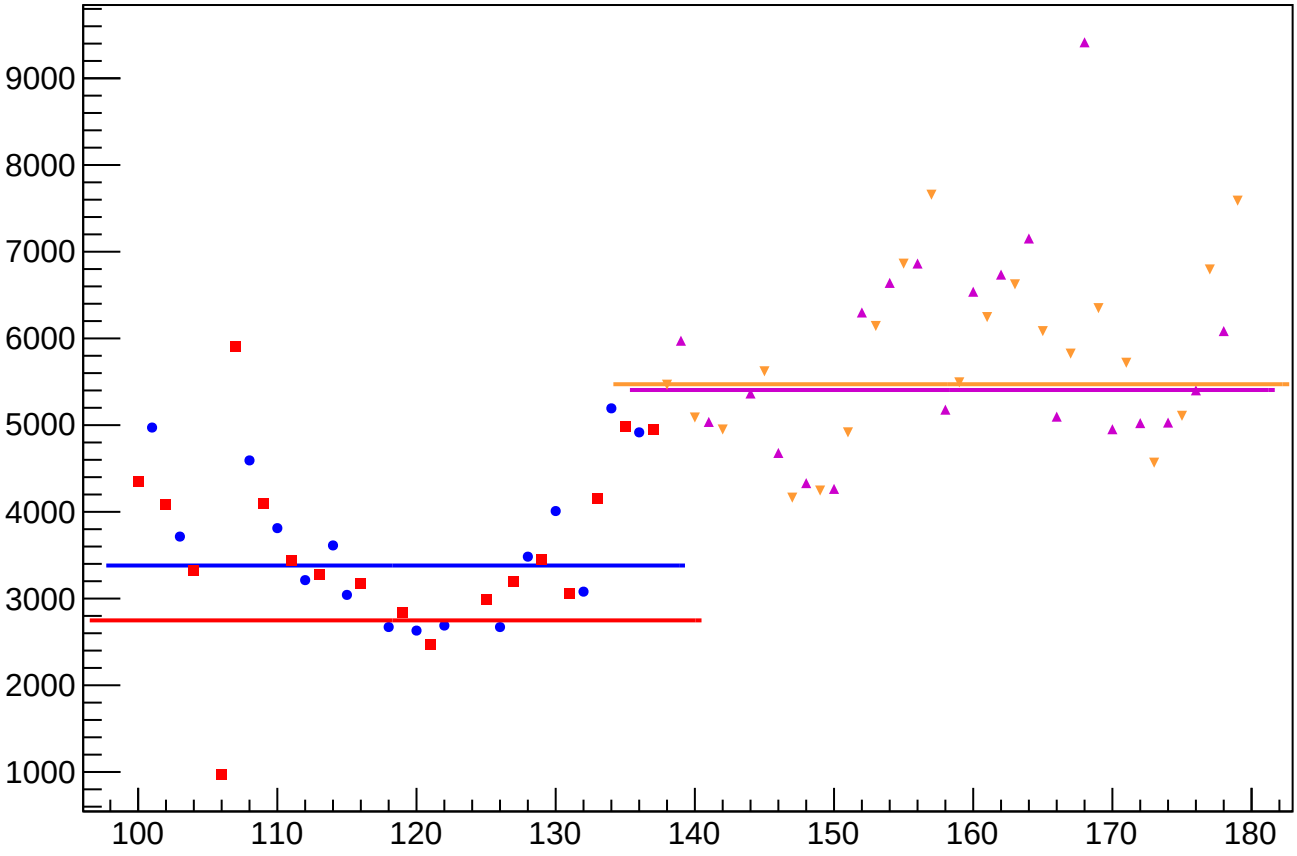
Left In: -732.520+/-1363.378 χ^2/NDF:10.5/19

+ sign -620.570+/-940.928 χ^2/NDF: 47.1/36

All: -823.241+/-636.951 χ^2/NDF: 77.4/74

- sign -994.671+/-865.377 χ^2/NDF: 30.2/37

asym_usl_atl2_avg_reg_correction_rms vs Slug



Right In: 3381.117+/-0.916 χ^2/NDF: 757146.6/15

Left Out: 5471.845+/-0.968 χ^2/NDF:943219.9/20

Right Out: 2748.372+/-0.792 χ^2/NDF: 2264563.8/17

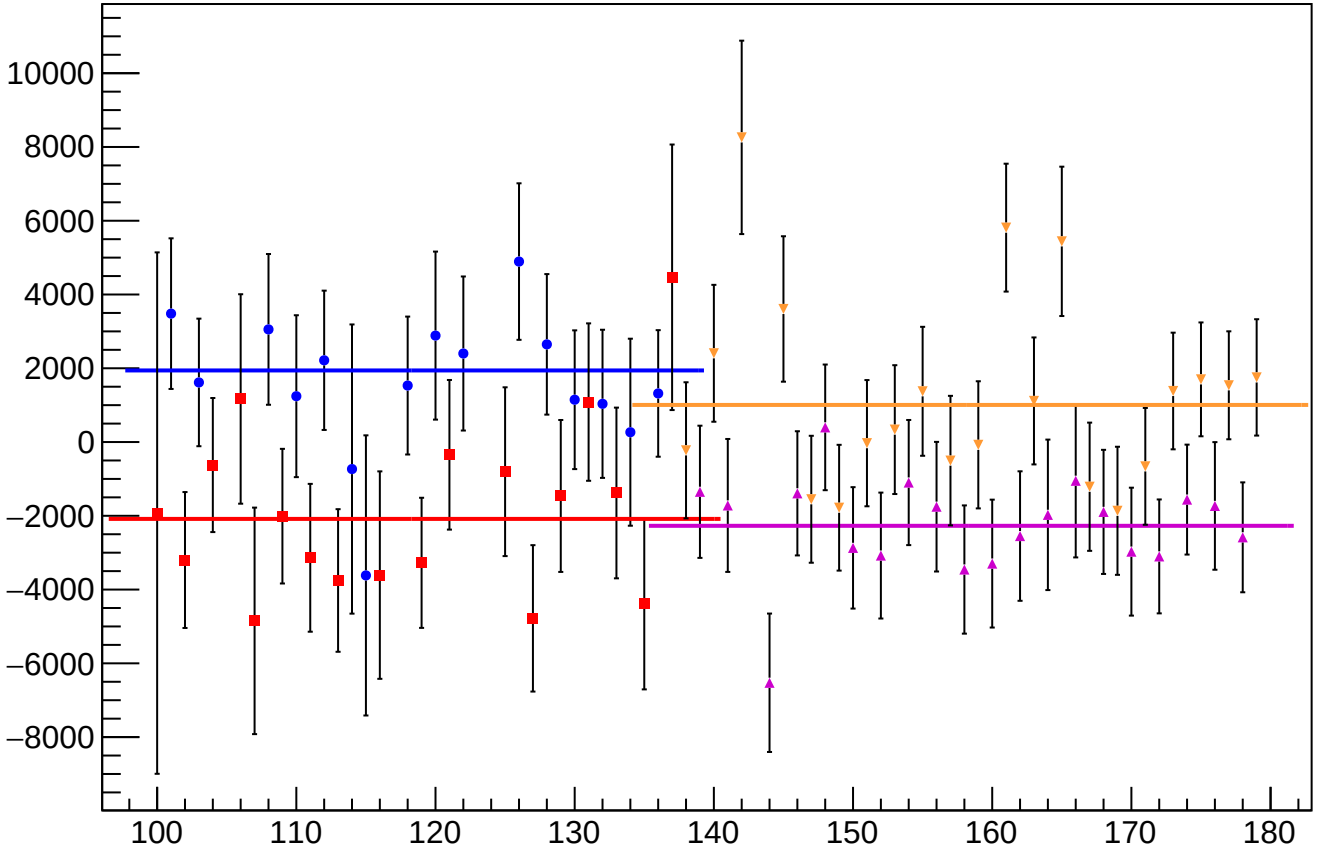
Left In: 5405.224+/-0.964 χ^2/NDF:1022979.3/19

+ sign 4369.654+/-0.665 χ^2/NDF: 4161678.8/36

All: 4071.211+/-0.450 χ^2/NDF: 12355777.0/7

- sign 3818.770+/-0.612 χ^2/NDF: 7822700.7/37

cor_asym_usl_atl2_avg_mean vs Slug



Right In: 1941.031+/-522.174 χ^2/NDF: 6.9/15

Left Out: 1005.940+/-378.245 χ^2/NDF:35.6/20

Right Out: -2084.166+/-519.587 χ^2/NDF: 14.5/17

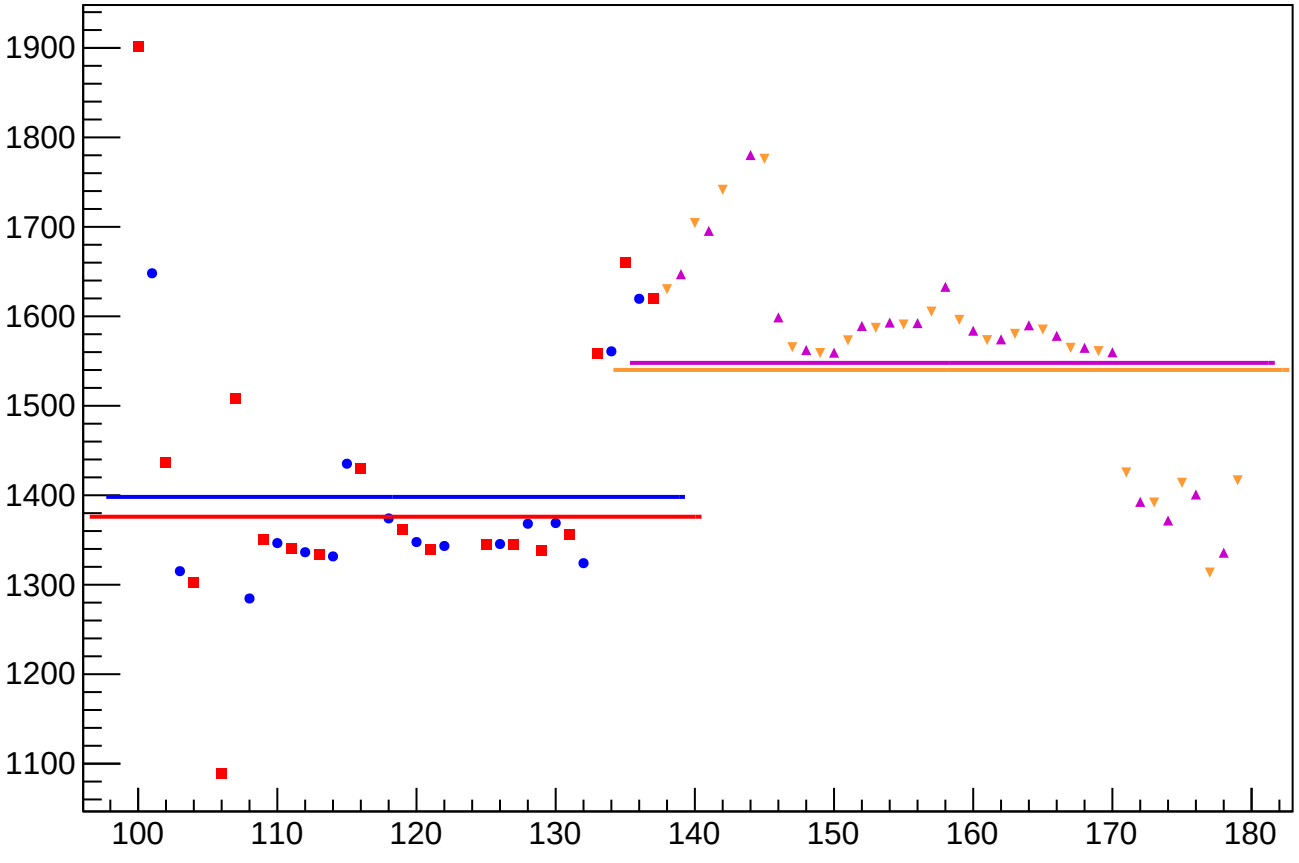
Left In: -2271.383+/-383.935 χ^2/NDF:11.2/19

+ sign 1327.739+/-306.323 χ^2/NDF: 44.6/36

All: -424.641+/-217.467 χ^2/NDF: 136.3/74

- sign -2205.263+/-308.782 χ^2/NDF: 25.8/37

cor_asym_usl_atl2_avg_rms vs Slug



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1540.096+/-0.267 χ^2/NDF:175383.1/20

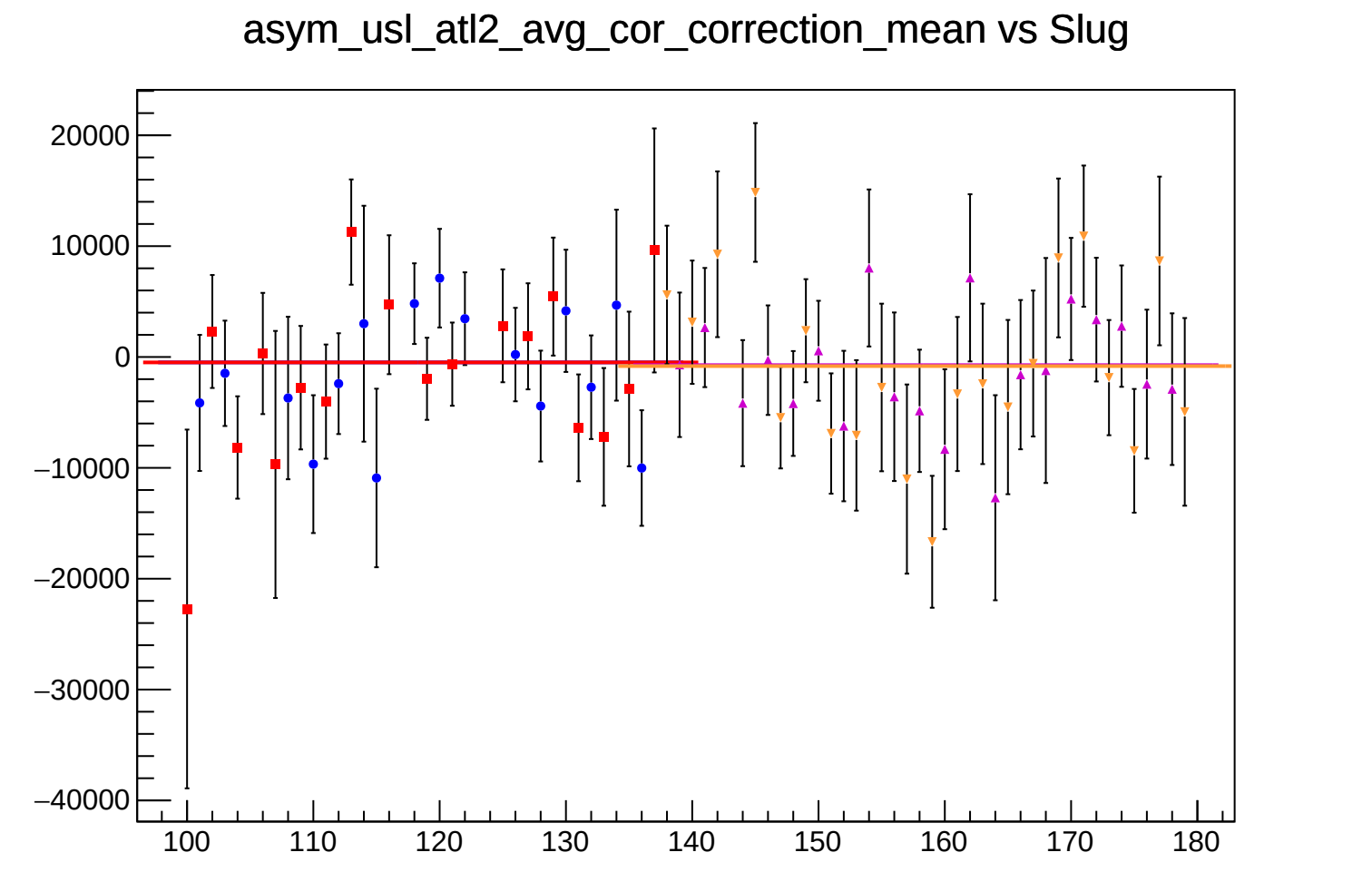
Right Out: 1376.021+/-0.363 χ^2/NDF: 114033.6/17

Left In: 1547.988+/-0.271 χ^2/NDF:166972.4/19

+ sign 1491.251+/-0.217 χ^2/NDF: 366222.9/36

All: 1488.733+/-0.153 χ^2/NDF: 791669.5/74

- sign 1486.198+/-0.217 χ^2/NDF: 425175.4/37



Right In: -486.563+/-1294.930 χ^2/NDF: 15.9/15

Left Out: -820.648+/-1368.388 χ^2/NDF:31.2/20

Right Out: -488.594+/-1261.315 χ^2/NDF: 18.7/17

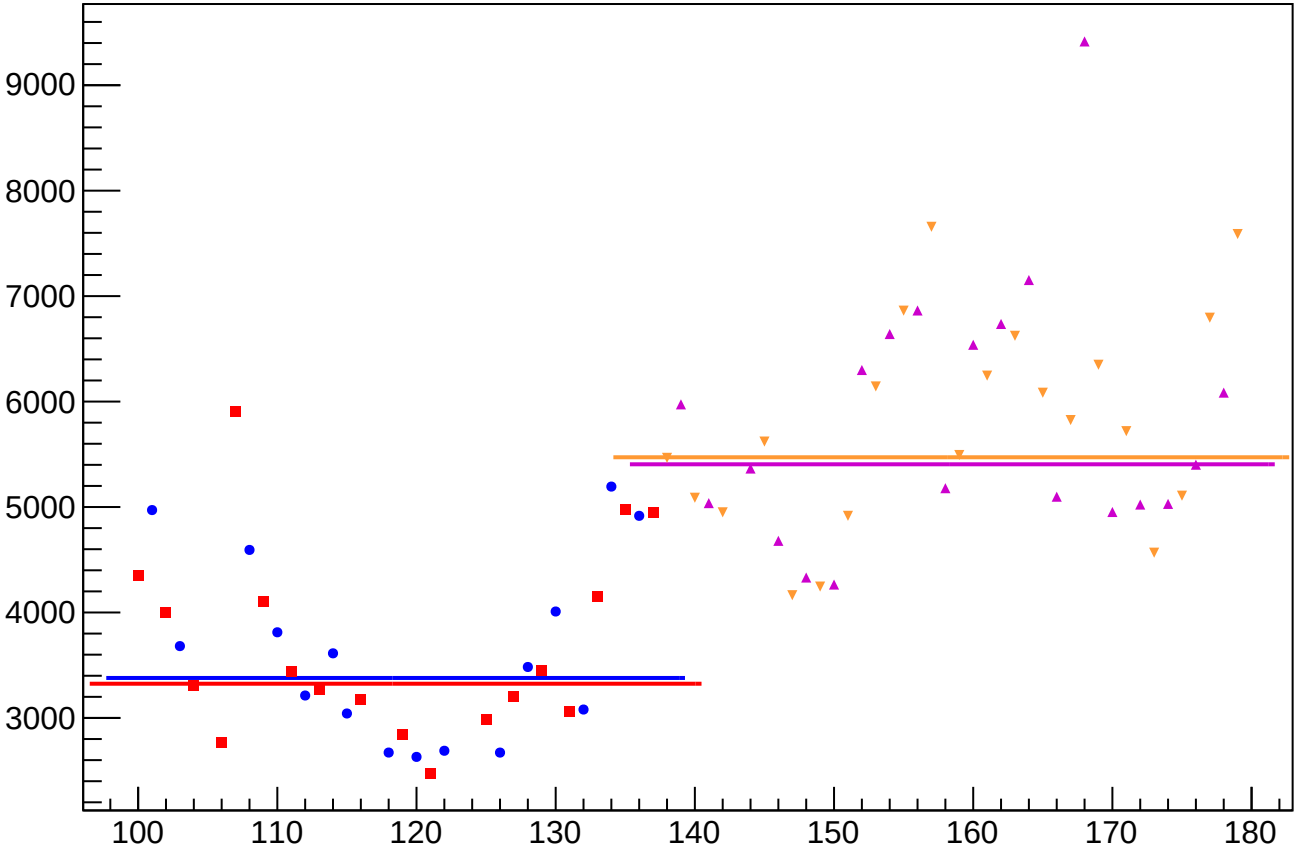
Left In: -732.609+/-1363.377 χ^2/NDF:10.5/19

+ sign -644.398+/-940.551 χ^2/NDF: 47.2/36

All: -622.422+/-659.817 χ^2/NDF: 76.4/74

- sign -601.127+/-925.866 χ^2/NDF: 29.2/37

asym_usl_atl2_avg_cor_correction_rms vs Slug



Right In: 3379.110+/-0.916 χ^2/NDF: 755339.9/15

Left Out: 5471.849+/-0.968 χ^2/NDF:943215.9/20

Right Out: 3324.449+/-0.892 χ^2/NDF: 543813.3/17

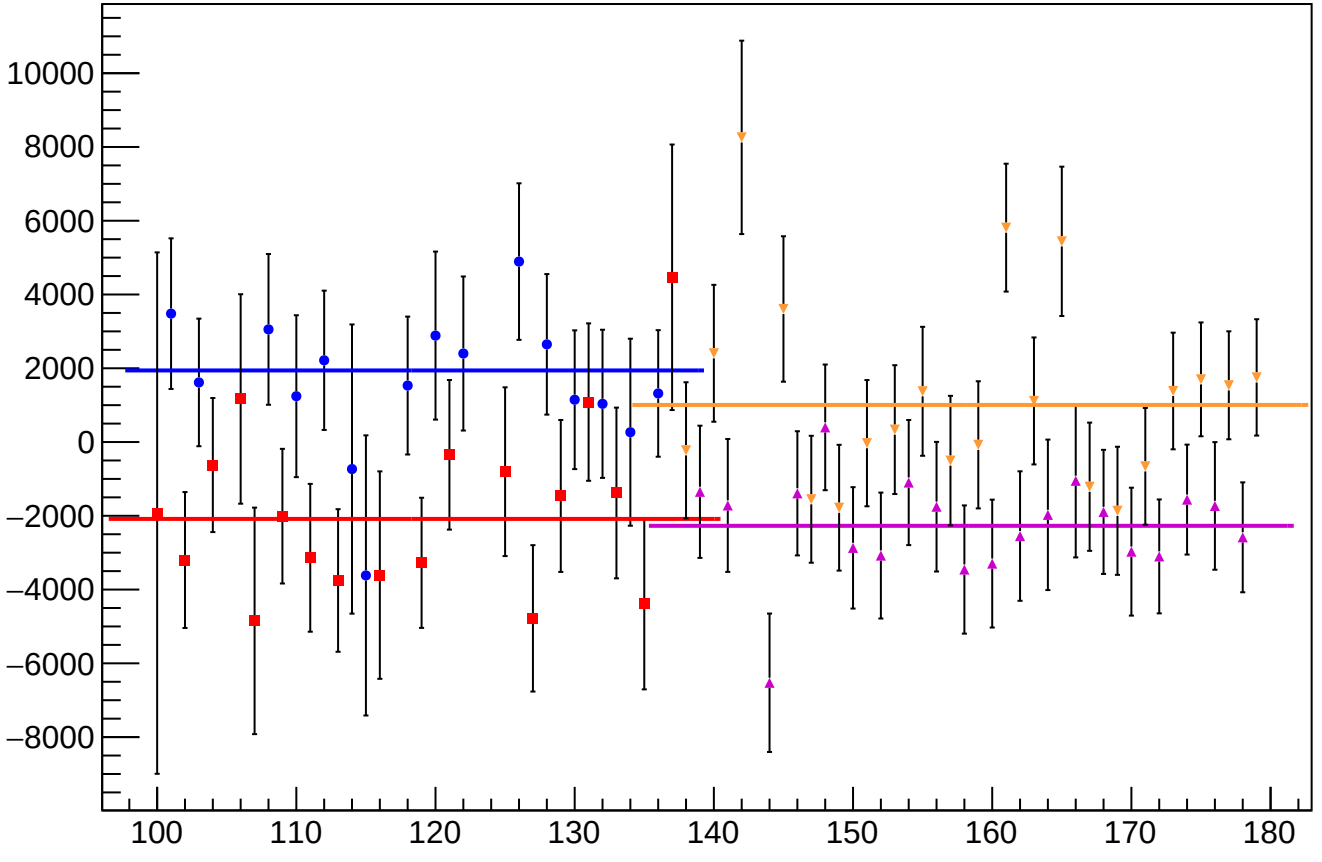
Left In: 5405.219+/-0.964 χ^2/NDF:1022987.7/19

+ sign 4367.804+/-0.665 χ^2/NDF: 4166378.6/36

All: 4325.266+/-0.467 χ^2/NDF: 8251358.7/74

- sign 4284.045+/-0.655 χ^2/NDF: 4076925.0/37

eigen_cor_asym_usl_atl2_avg_mean vs Slug



Right In: 1941.031+/-522.174 χ^2/NDF: 6.9/15

Left Out: 1005.940+/-378.245 χ^2/NDF:35.6/20

Right Out: -2084.166+/-519.587 χ^2/NDF: 14.5/17

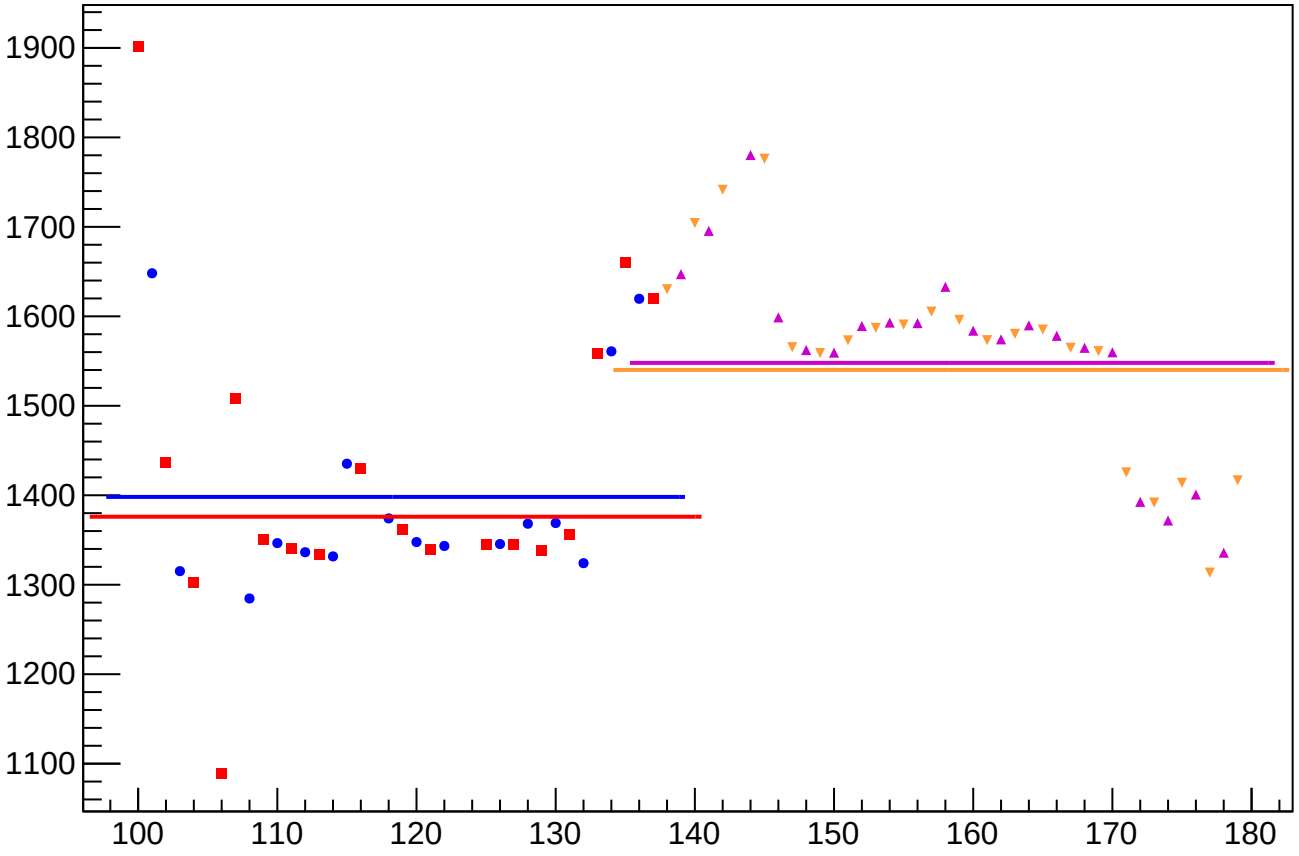
Left In: -2271.383+/-383.935 χ^2/NDF:11.2/19

+ sign 1327.739+/-306.323 χ^2/NDF: 44.6/36

All: -424.641+/-217.467 χ^2/NDF: 136.3/74

- sign -2205.263+/-308.782 χ^2/NDF: 25.8/37

eigen_cor_asym_usl_atl2_avg_rms vs Slug



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1540.096+/-0.267 χ^2/NDF:175383.1/20

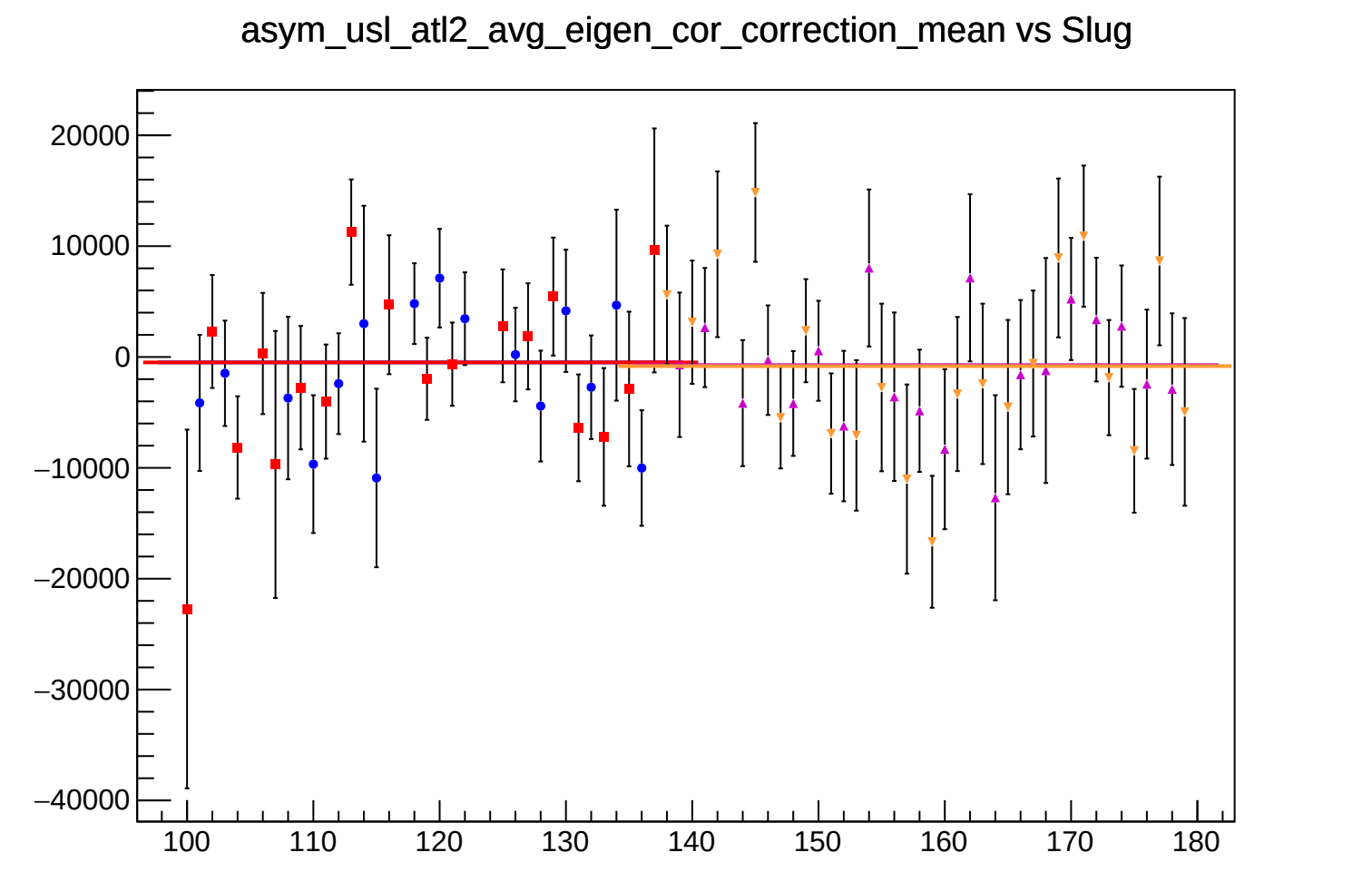
Right Out: 1376.021+/-0.363 χ^2/NDF: 114033.6/17

Left In: 1547.988+/-0.271 χ^2/NDF:166972.4/19

+ sign 1491.251+/-0.217 χ^2/NDF: 366222.9/36

All: 1488.733+/-0.153 χ^2/NDF: 791669.5/74

- sign 1486.198+/-0.217 χ^2/NDF: 425175.4/37



Right In: -486.563+/-1294.930 χ^2/NDF: 15.9/15

Left Out: -820.648+/-1368.388 χ^2/NDF:31.2/20

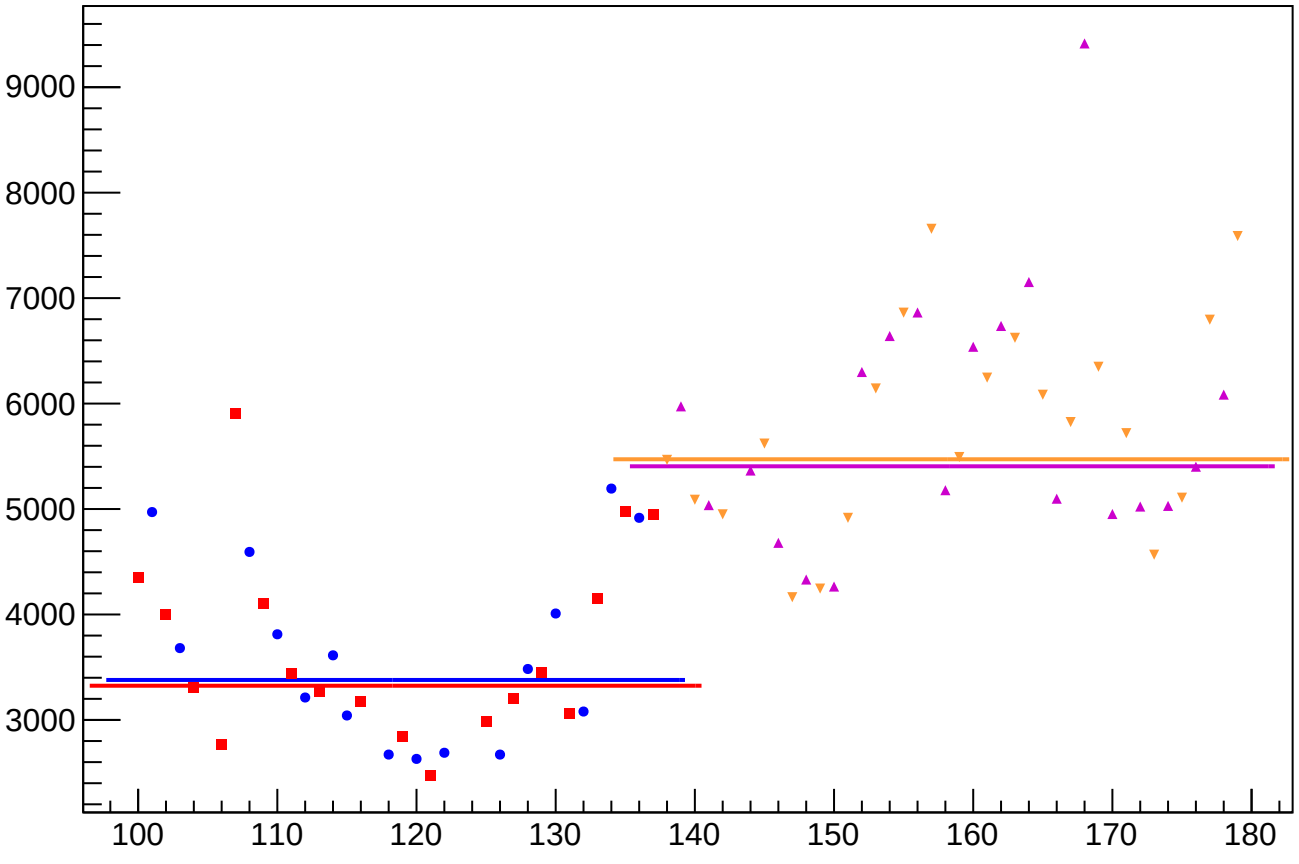
Right Out: -488.594+/-1261.315 χ^2/NDF: 18.7/17

Left In: -732.609+/-1363.377 χ^2/NDF:10.5/19

+ sign -644.398+/-940.551 χ^2/NDF: 47.2/36

All: -622.422+/-659.817 χ^2/NDF: 76.4/74

- sign -601.127+/-925.866 χ^2/NDF: 29.2/37



Right In: 3379.110+/-0.916 χ^2/NDF: 755339.9/15

Left Out: 5471.849+/-0.968 χ^2/NDF:943215.9/20

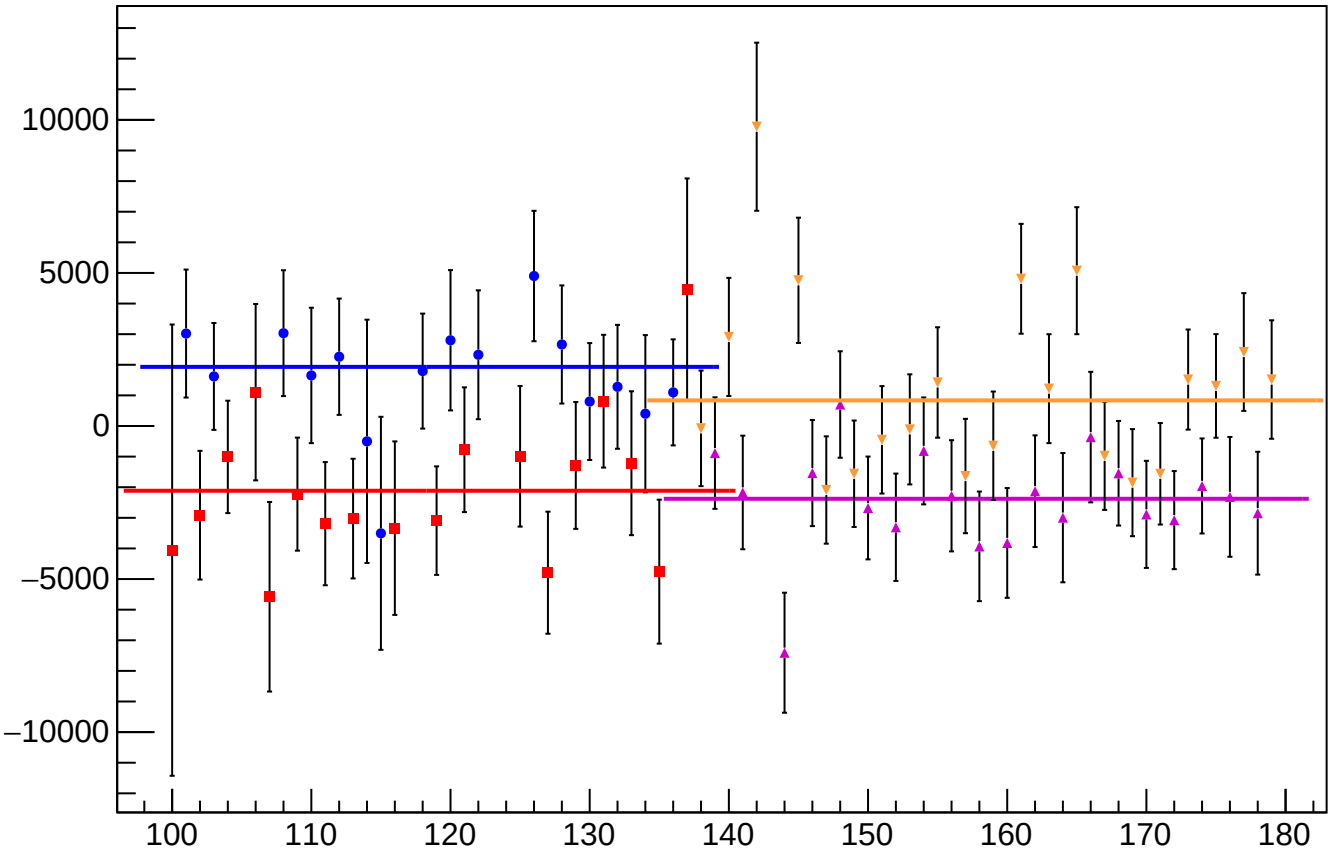
Right Out: 3324.449+/-0.892 χ^2/NDF: 543813.3/17

Left In: 5405.219+/-0.964 χ^2/NDF:1022987.7/19

+ sign 4367.804+/-0.665 χ^2/NDF: 4166378.6/36

All: 4325.266+/-0.467 χ^2/NDF: 8251358.7/74

- sign 4284.045+/-0.655 χ^2/NDF: 4076925.0/37



Right In: 1931.537+/-527.135 χ^2/NDF: 6.4/15

Left Out: 836.732+/-399.902 χ^2/NDF:39.4/20

Right Out: -2115.195+/-528.802 χ^2/NDF: 13.2/17

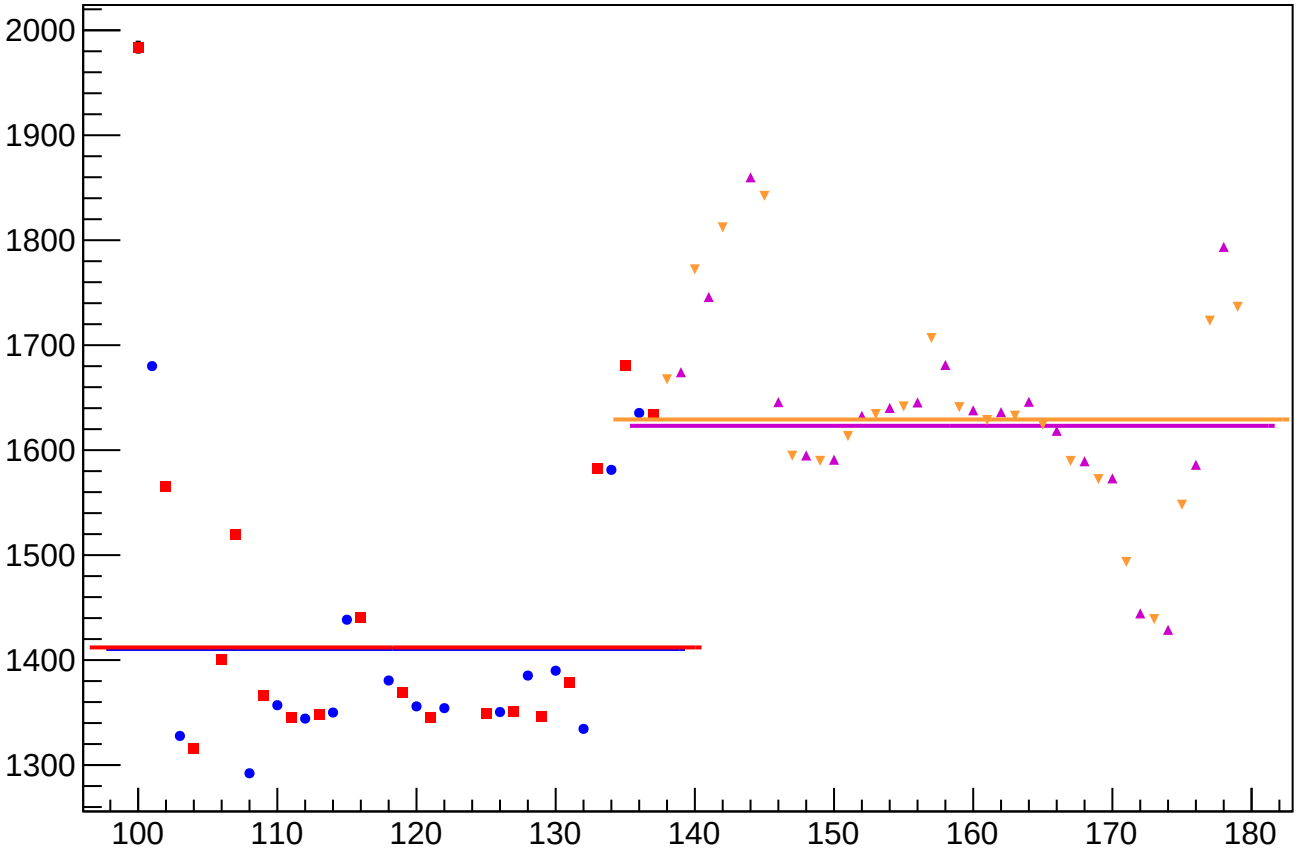
Left In: -2377.863+/-402.353 χ^2/NDF:14.8/19

+ sign 1236.652+/-318.596 χ^2/NDF: 48.5/36

All: -513.601+/-225.848 χ^2/NDF: 137.3/74

- sign -2281.553+/-320.203 χ^2/NDF: 28.2/37

dit_asym_usl_atl2_avg_rms vs Slug



Right In: 1410.595+/-0.373 χ^2/NDF: 99150.0/15

Left Out: 1629.219+/-0.283 χ^2/NDF:107105.7/20

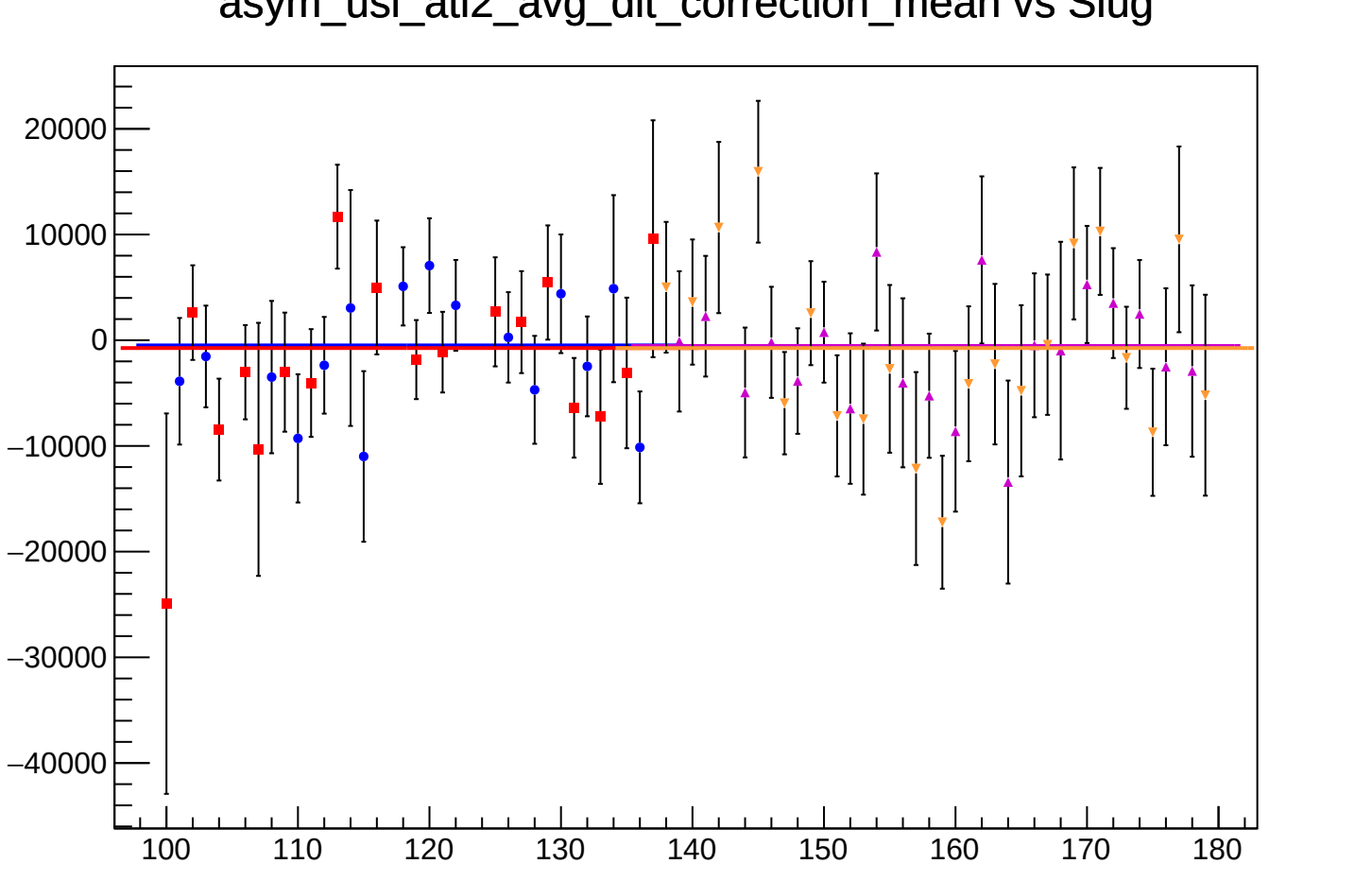
Right Out: 1412.048+/-0.373 χ^2/NDF: 89704.5/17

Left In: 1623.170+/-0.285 χ^2/NDF:118026.8/19

+ sign 1549.358+/-0.225 χ^2/NDF: 424607.4/36

All: 1547.436+/-0.160 χ^2/NDF: 835073.9/74

- sign 1545.498+/-0.226 χ^2/NDF: 410320.3/37



Right In: -489.402+/-1308.692 χ^2/NDF: 15.8/15

Left Out: -743.118+/-1421.503 χ^2/NDF:31.0/20

Right Out: -740.592+/-1247.947 χ^2/NDF: 19.2/17

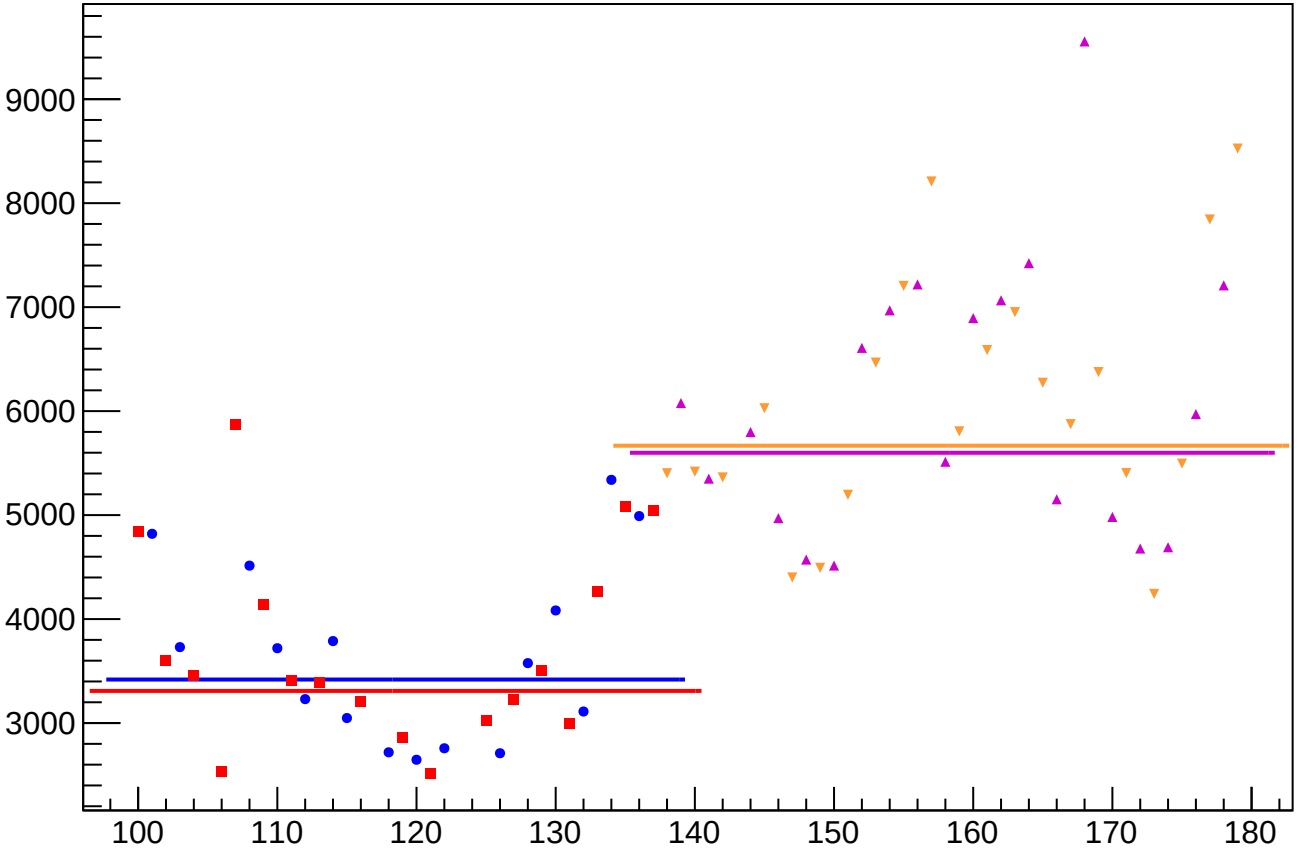
Left In: -540.744+/-1415.638 χ^2/NDF:10.4/19

+ sign -605.794+/-962.800 χ^2/NDF: 46.8/36

All: -630.163+/-671.176 χ^2/NDF: 76.5/74

- sign -653.200+/-936.134 χ^2/NDF: 29.6/37

asym_usl_atl2_avg_dit_correction_rms vs Slug



Right In: 3418.701+/-0.925 χ^2/NDF: 721215.3/15

Left Out: 5667.463+/-1.005 χ^2/NDF:1140994.1/20

Right Out: 3309.112+/-0.882 χ^2/NDF: 571940.6/17

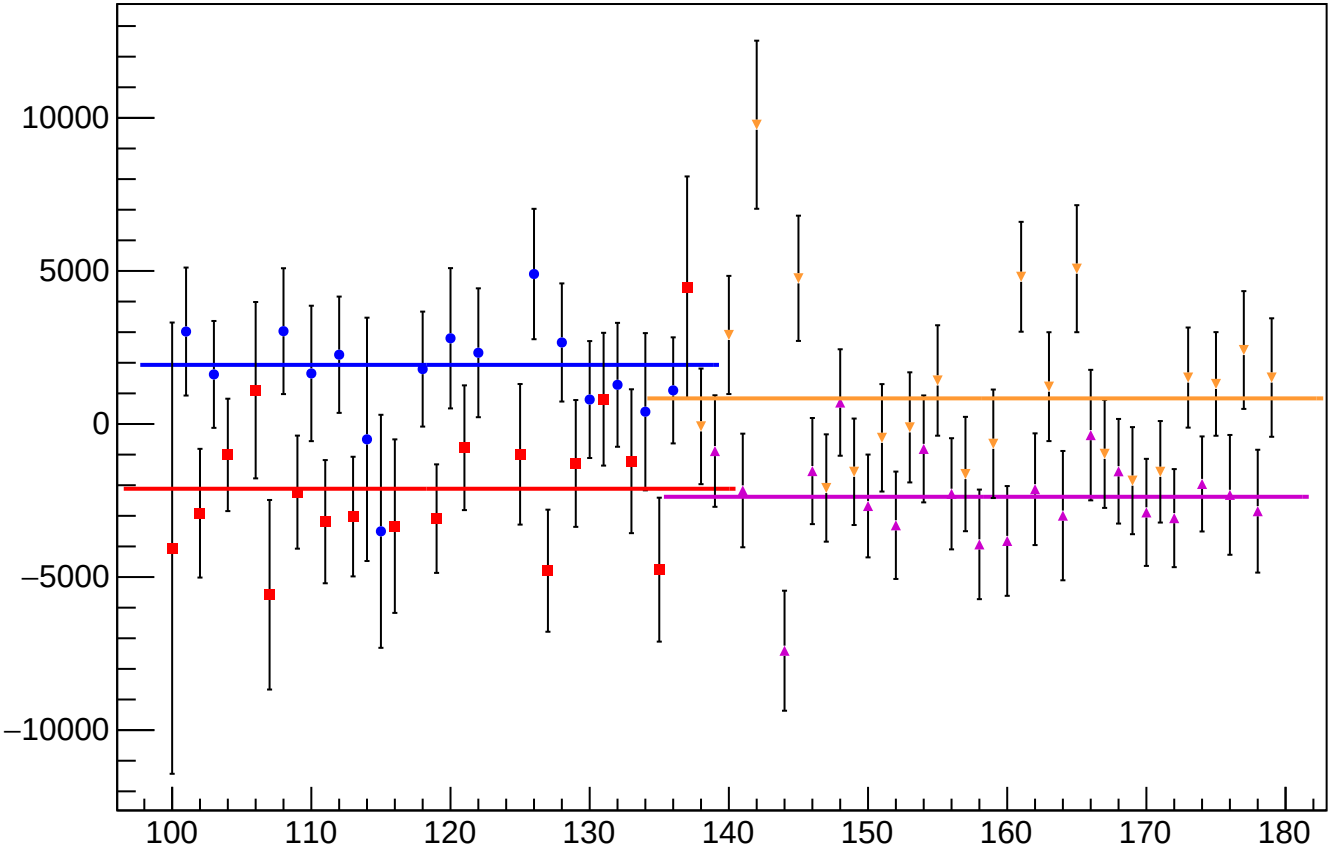
Left In: 5599.382+/-1.001 χ^2/NDF:1160889.8/19

+ sign 4450.321+/-0.681 χ^2/NDF: 4571270.7/36

All: 4378.514+/-0.475 χ^2/NDF: 9271399.8/74

- sign 4310.629+/-0.662 χ^2/NDF: 4678486.8/37

eigen_dit_asym_usl_atl2_avg_mean vs Slug



Right In: 1931.538+/-527.135 χ^2/NDF: 6.4/15

Left Out: 836.726+/-399.902 χ^2/NDF:39.4/20

Right Out: -2115.195+/-528.802 χ^2/NDF: 13.2/17

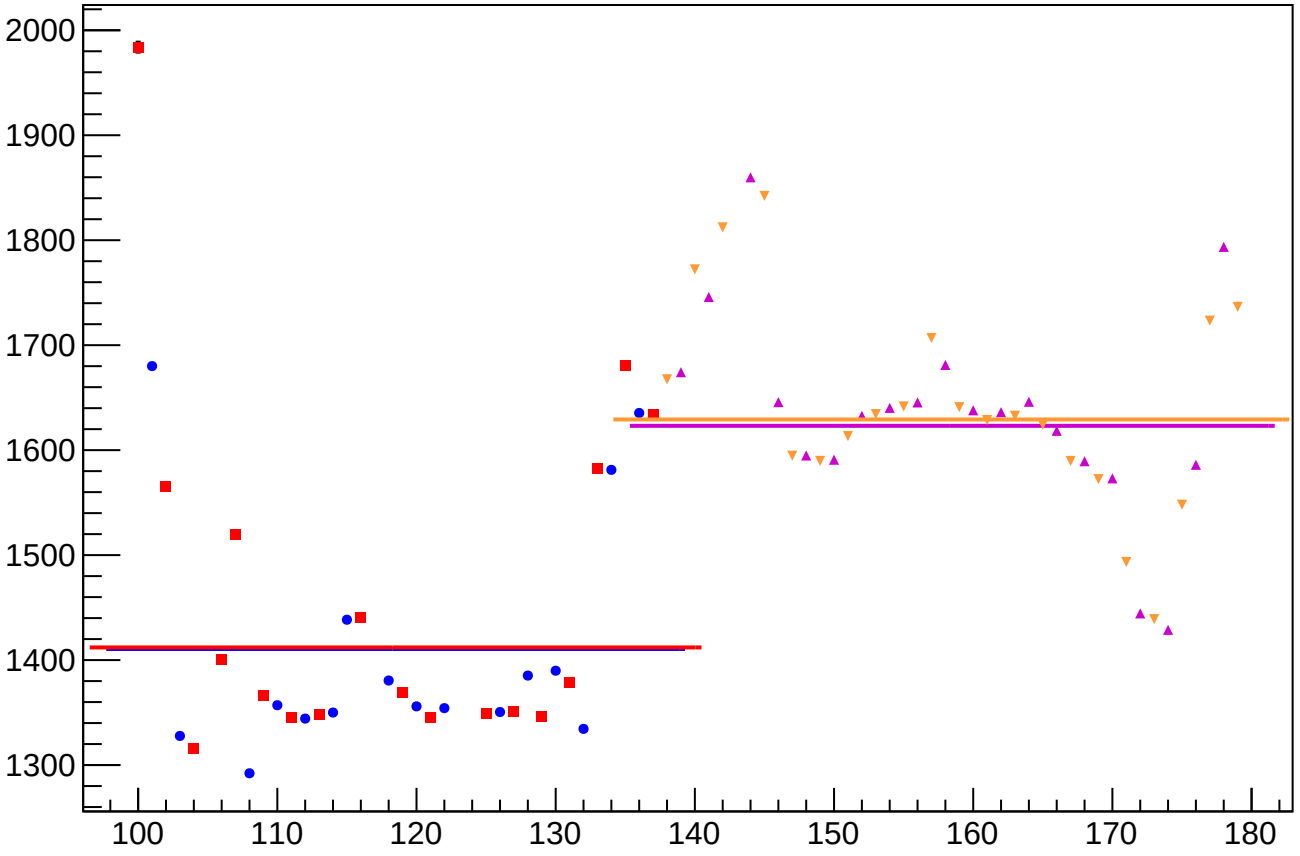
Left In: -2377.865+/-402.354 χ^2/NDF:14.8/19

+ sign 1236.650+/-318.597 χ^2/NDF: 48.5/36

All: -513.603+/-225.848 χ^2/NDF: 137.3/74

- sign -2281.554+/-320.203 χ^2/NDF: 28.2/37

eigen_dit_asym_usl_atl2_avg_rms vs Slug



Right In: 1410.595+/-0.373 χ^2/NDF: 99150.0/15

Left Out: 1629.221+/-0.283 χ^2/NDF:107111.1/20

Right Out: 1412.048+/-0.373 χ^2/NDF: 89704.6/17

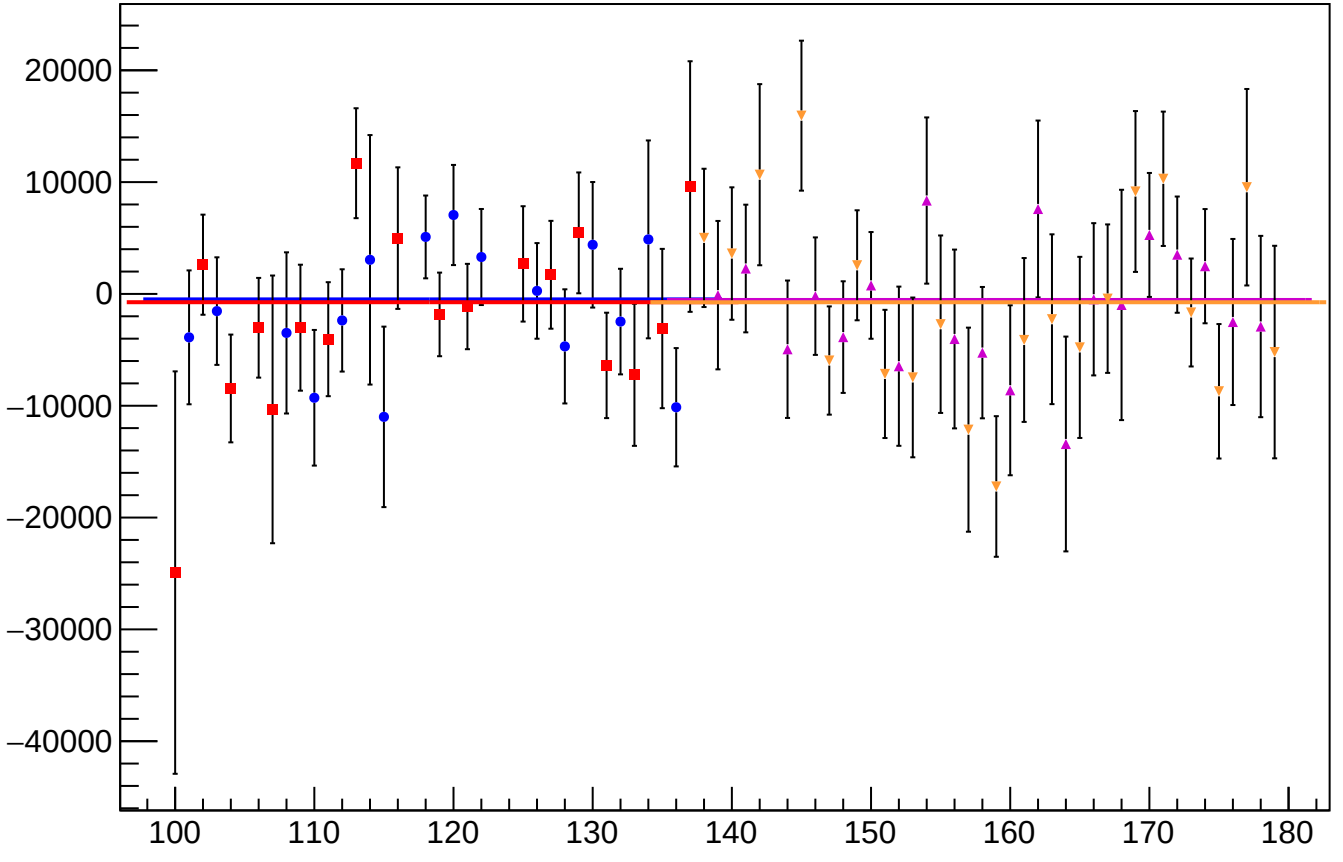
Left In: 1623.171+/-0.285 χ^2/NDF:118031.6/19

\+ sign 1549.359+/-0.225 χ^2/NDF: 424614.9/36

All: 1547.436+/-0.160 χ^2/NDF: 835088.3/74

\- sign 1545.498+/-0.226 χ^2/NDF: 410327.2/37

asym_usl_atl2_avg_eigen_dit_correction_mean vs Slug



Right In: -489.395+/-1308.688 χ^2/NDF: 15.8/15

Left Out: -743.124+/-1421.506 χ^2/NDF:31.0/20

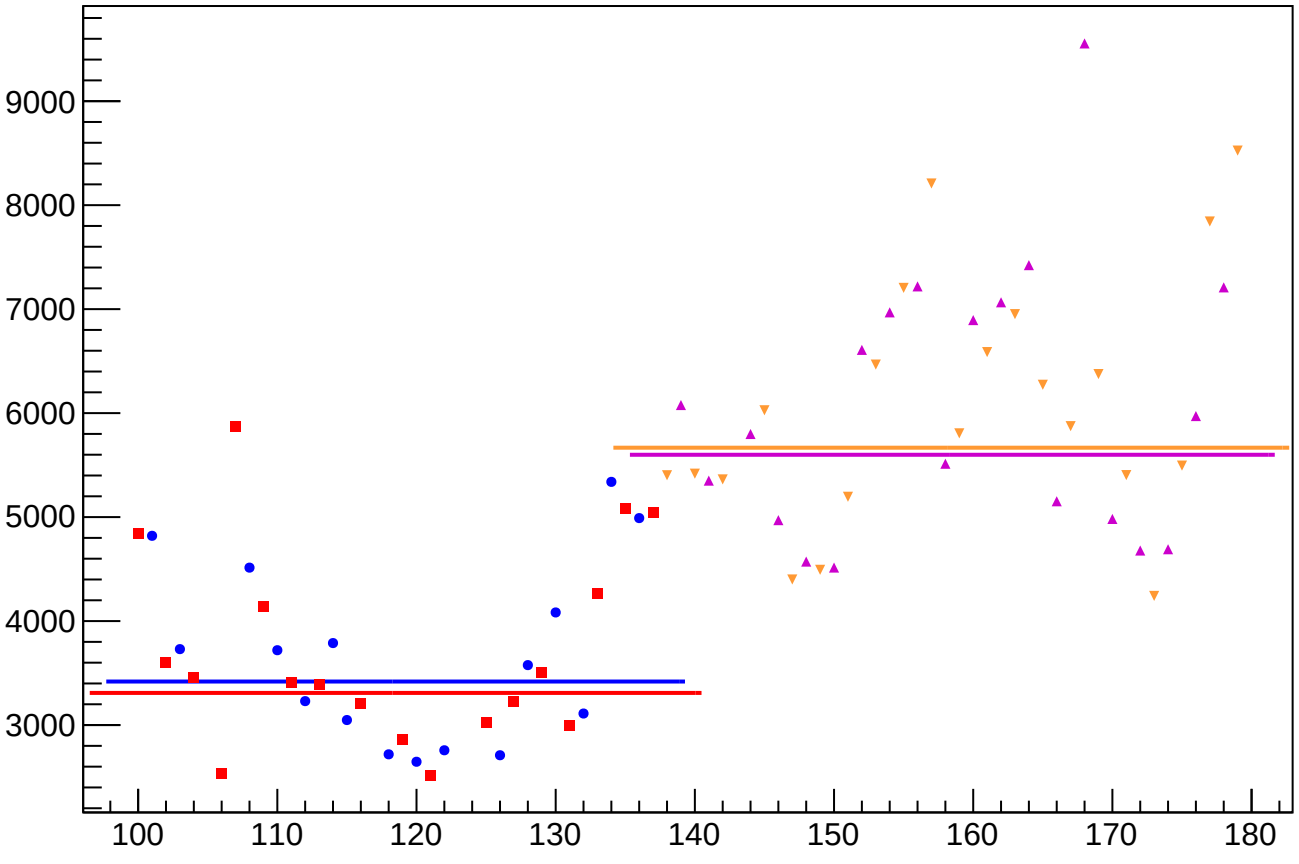
Right Out: -740.594+/-1247.944 χ^2/NDF: 19.2/17

Left In: -540.745+/-1415.640 χ^2/NDF:10.4/19

\+ sign -605.793+/-962.799 χ^2/NDF: 46.8/36

All: -630.163+/-671.175 χ^2/NDF: 76.5/74

\- sign -653.202+/-936.133 χ^2/NDF: 29.6/37



Right In: 3418.690+/-0.925 χ^2/NDF: 721223.9/15

Left Out: 5667.472+/-1.005 χ^2/NDF:1140995.0/20

Right Out: 3309.102+/-0.882 χ^2/NDF: 571944.5/17

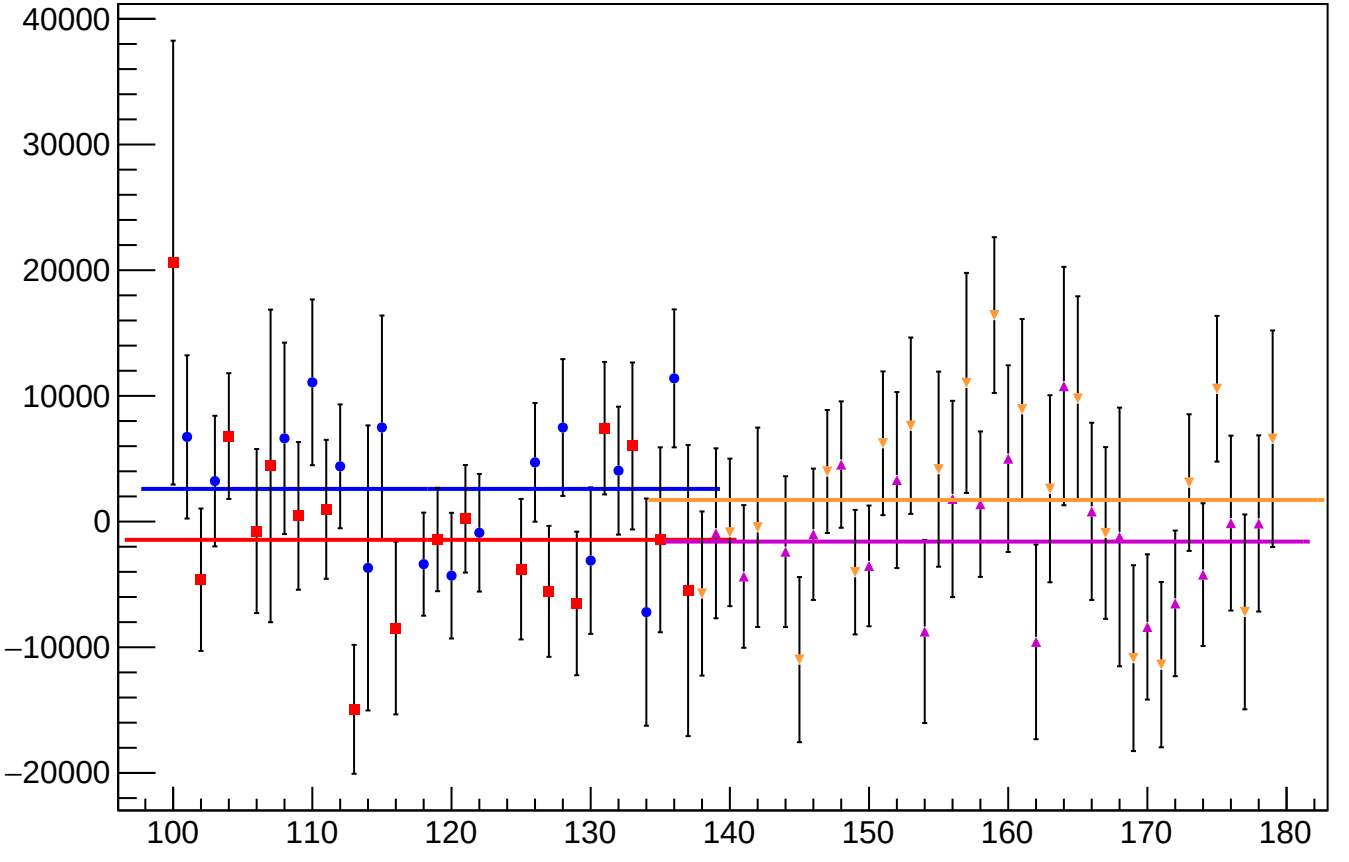
Left In: 5599.390+/-1.001 χ^2/NDF:1160890.8/19

+ sign 4450.314+/-0.681 χ^2/NDF: 4571332.2/36

All: 4378.507+/-0.475 χ^2/NDF: 9271516.0/74

- sign 4310.622+/-0.662 χ^2/NDF: 4678541.5/37

asym_usl_atl2_avg_mean vs Slug



Right In: 2599.622+/-1414.499 χ^2/NDF: 13.5/15

Left Out: 1721.365+/-1428.993 χ^2/NDF:28.1/20

Right Out: -1450.418+/-1382.818 χ^2/NDF: 19.0/17

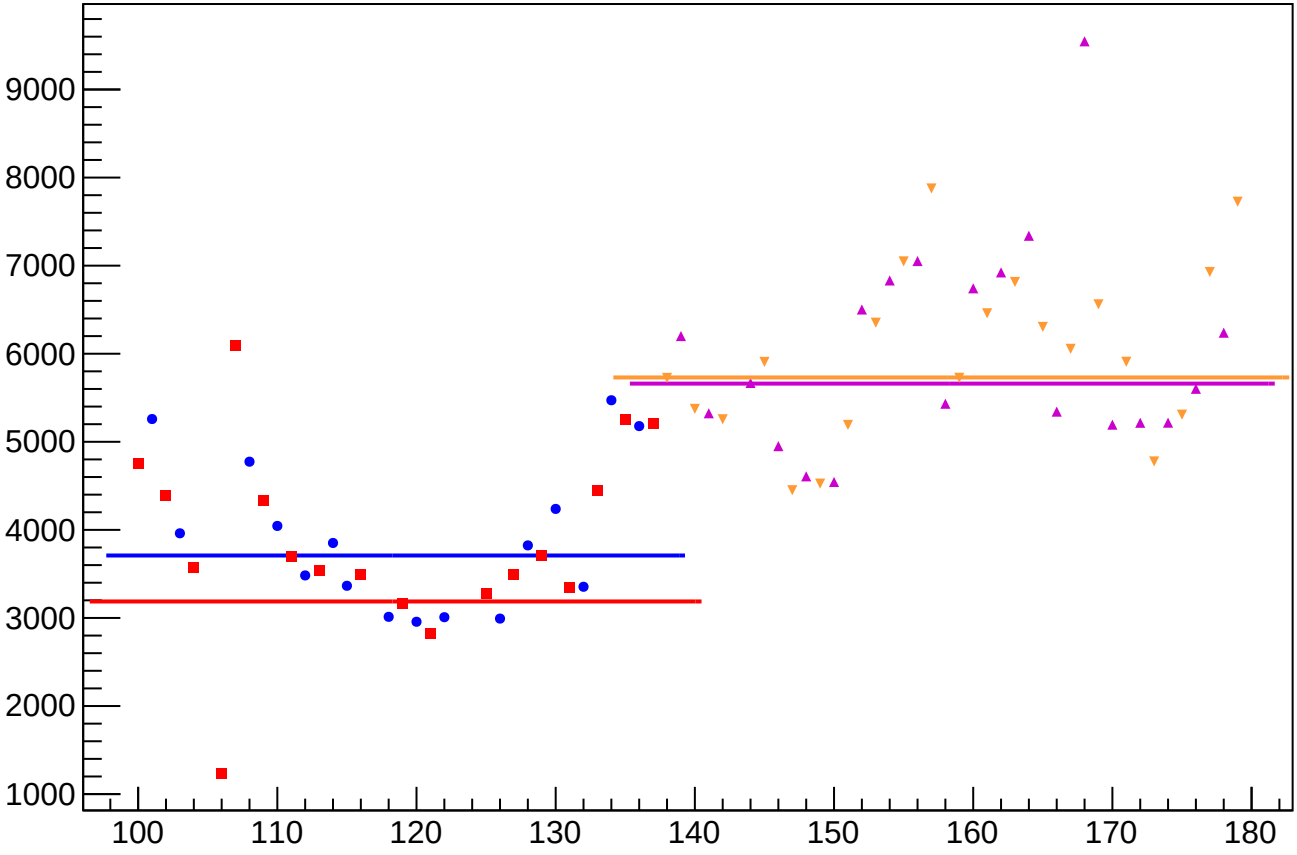
Left In: -1592.439+/-1424.330 χ^2/NDF:9.9/19

+ sign 2164.970+/-1005.287 χ^2/NDF: 41.8/36

All: 298.593+/-706.155 χ^2/NDF: 77.5/74

- sign -1519.329+/-992.151 χ^2/NDF: 29.0/37

asym_usl_atl2_avg_rms vs Slug



Right In: 3709.155+/-1.000 χ^2/NDF: 610637.3/15

Left Out: 5730.639+/-1.010 χ^2/NDF:813932.2/20

Right Out: 3187.191+/-0.896 χ^2/NDF: 1610818.1/17

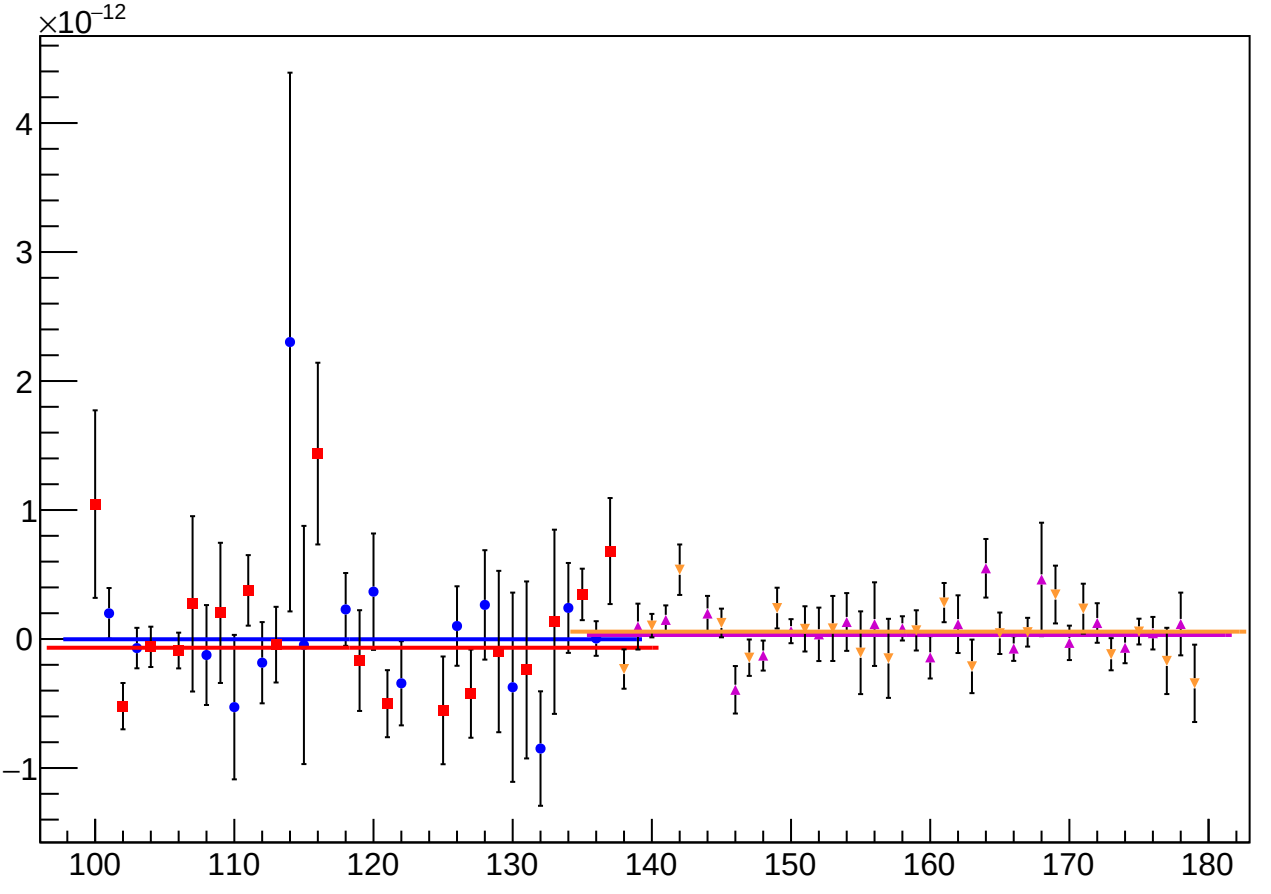
Left In: 5660.698+/-1.007 χ^2/NDF:898084.5/19

+ sign 4709.591+/-0.711 χ^2/NDF: 3446128.9/36

All: 4481.531+/-0.487 χ^2/NDF: 9517536.5/74

- sign 4279.380+/-0.669 χ^2/NDF: 5877238.6/37

asym_usl_atl2_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 11.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:25.3/20

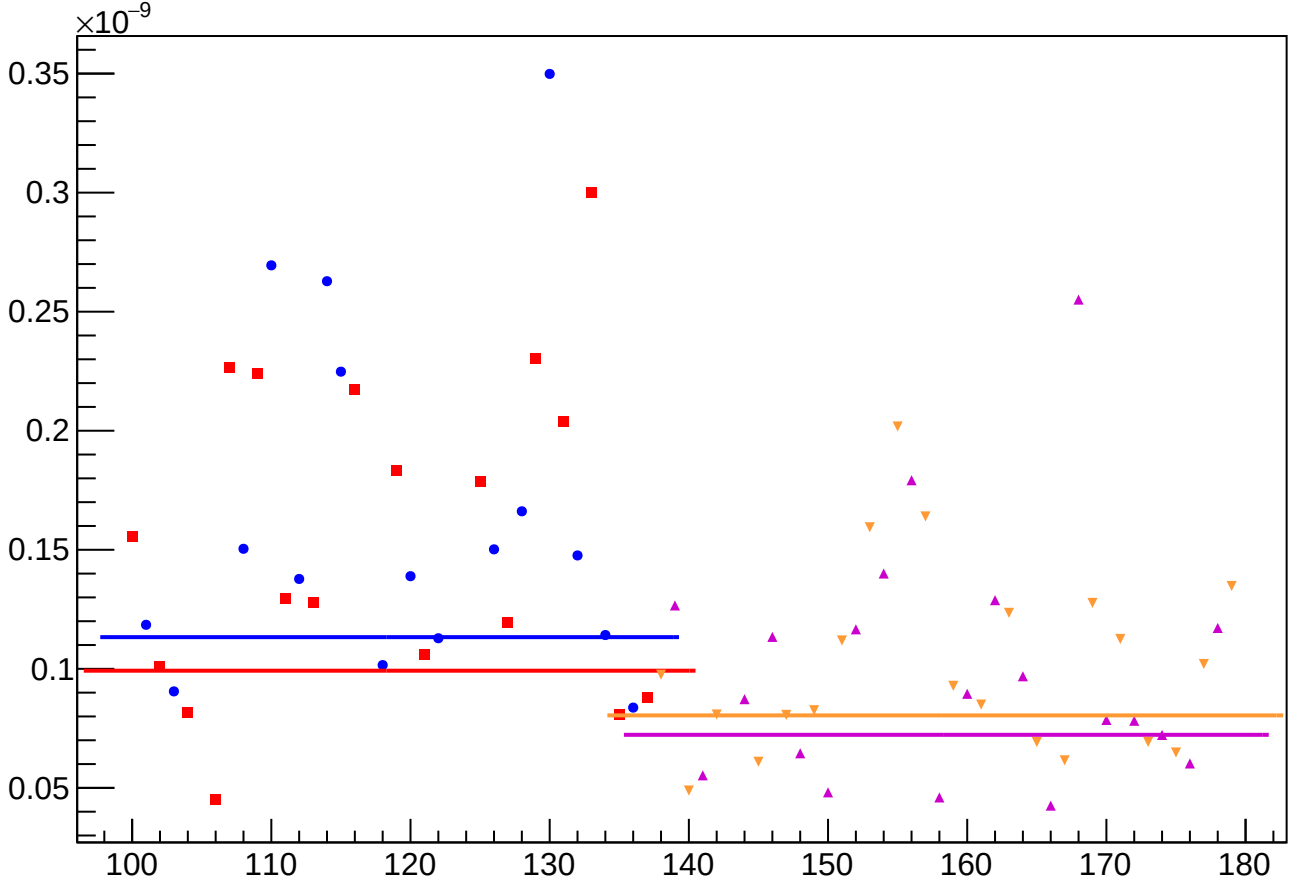
Right Out: -0.000+/-0.000 χ^2/NDF: 29.5/17

Left In: 0.000+/-0.000 χ^2/NDF:20.6/19

+ sign 0.000+/-0.000 χ^2/NDF: 37.0/36

All: 0.000+/-0.000 χ^2/NDF: 89.6/74

- sign 0.000+/-0.000 χ^2/NDF: 51.9/37



Right In: 0.000+/-0.000 χ^2/NDF: 655766.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1479196.7/20

Right Out: 0.000+/-0.000 χ^2/NDF: 1100854.2/17

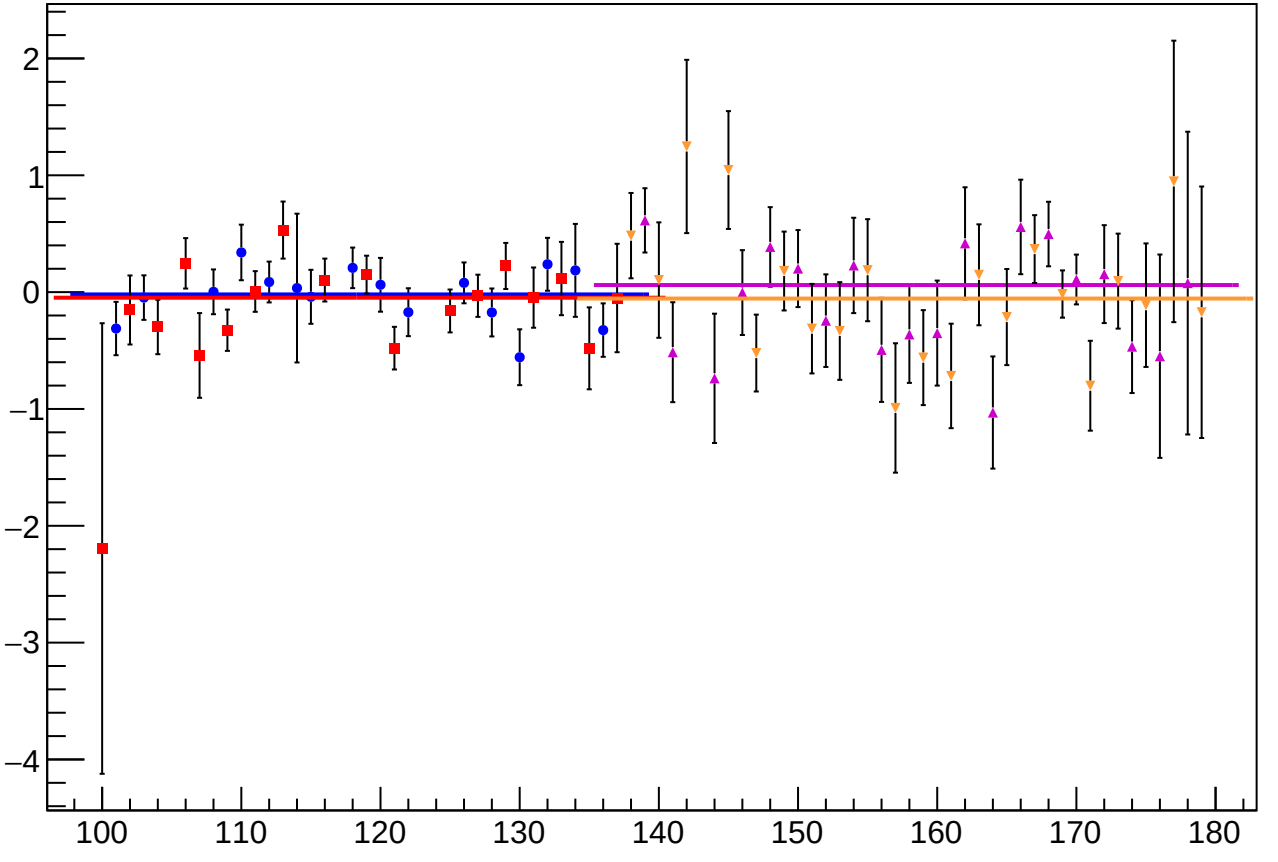
Left In: 0.000+/-0.000 χ^2/NDF:1954231.7/19

+ sign 0.000+/-0.000 χ^2/NDF: 2490204.2/36

All: 0.000+/-0.000 χ^2/NDF: 5913032.5/74

- sign 0.000+/-0.000 χ^2/NDF: 3327444.2/37

asym_usl_atl2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.020+/-0.054 χ^2/NDF: 16.0/15

Left Out: -0.055+/-0.087 χ^2/NDF:27.6/20

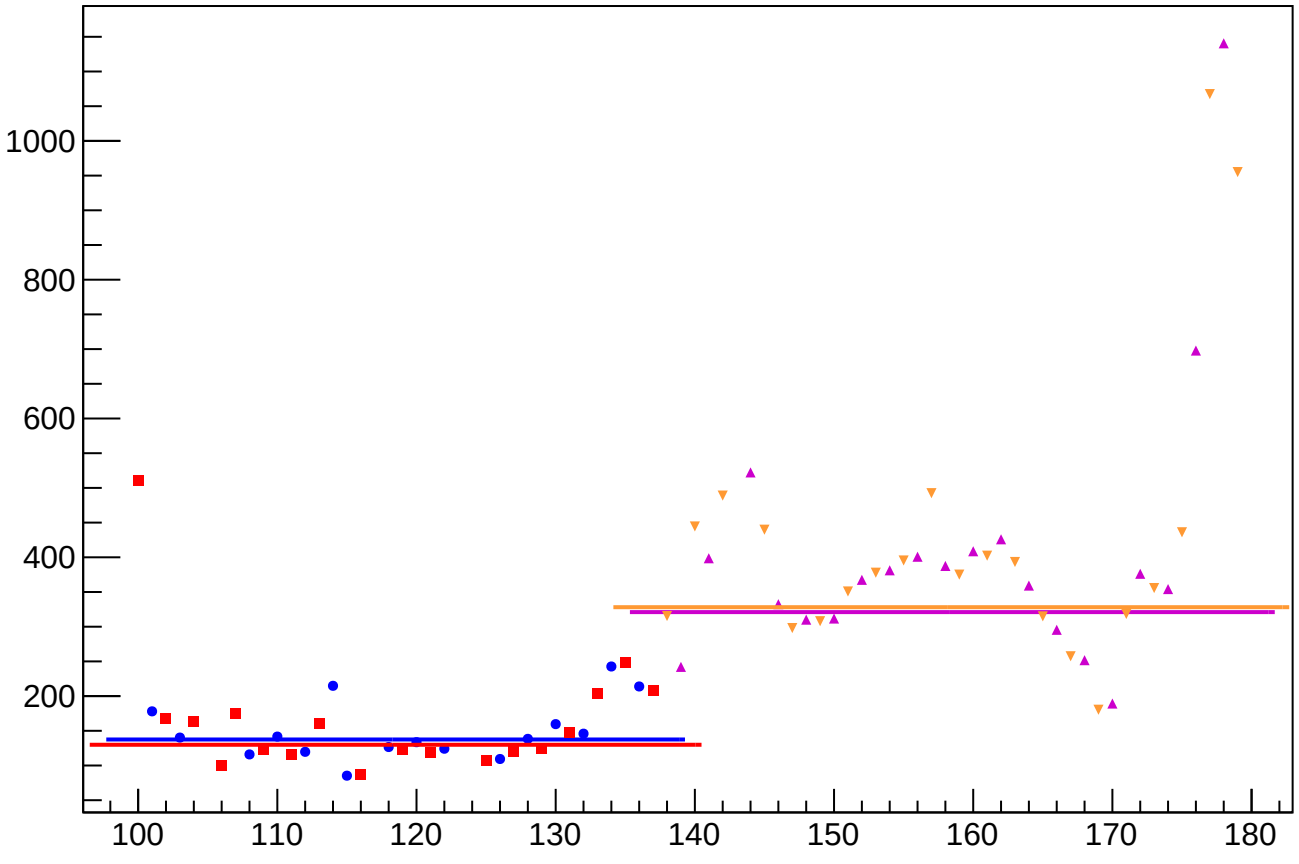
Right Out: -0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: 0.061+/-0.085 χ^2/NDF:25.3/19

+ sign -0.030+/-0.046 χ^2/NDF: 43.7/36

All: -0.023+/-0.032 χ^2/NDF: 96.5/74

- sign -0.018+/-0.045 χ^2/NDF: 52.8/37



Right In: 137.492+/-0.038 χ^2/NDF: 692947.9/15

Left Out: 328.110+/-0.061 χ^2/NDF:3429207.3/20

Right Out: 129.887+/-0.037 χ^2/NDF: 833983.9/17

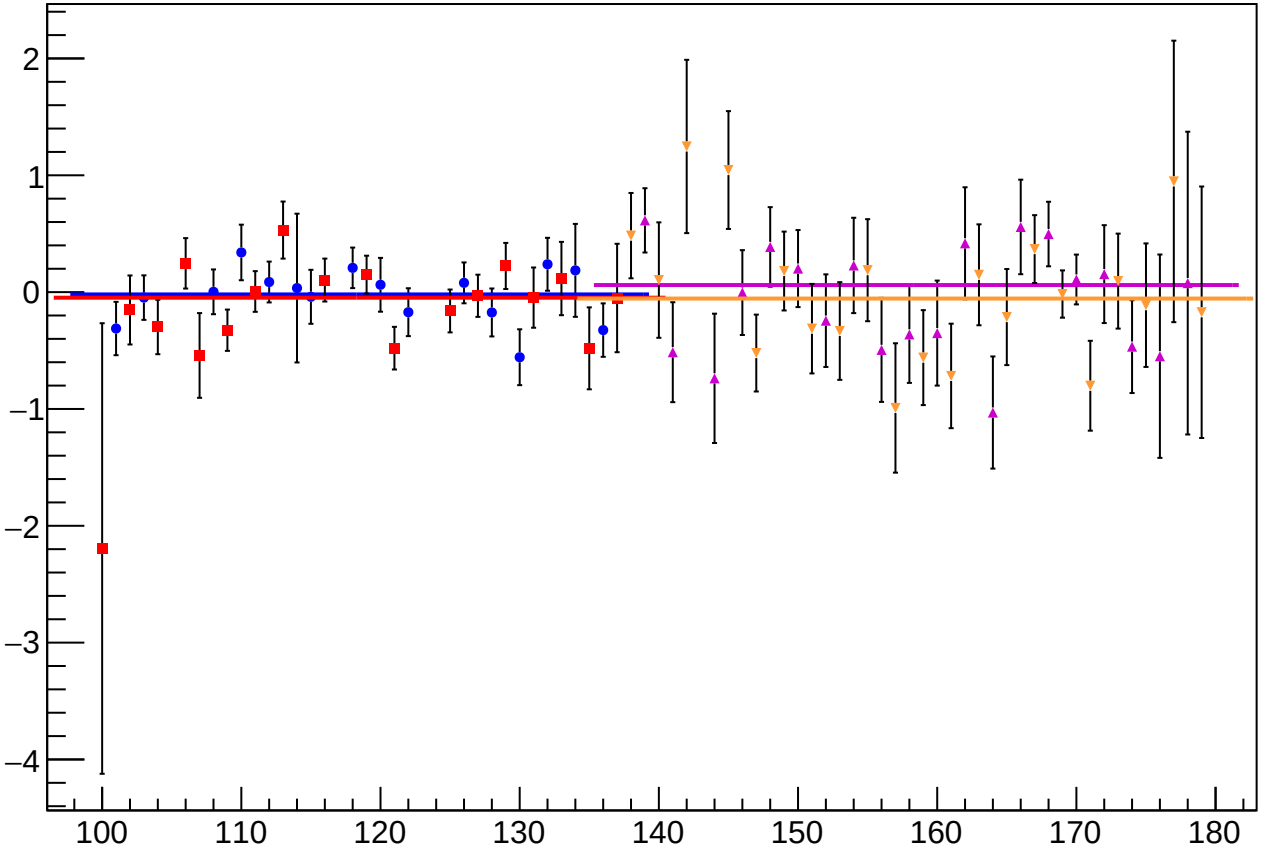
Left In: 321.032+/-0.060 χ^2/NDF:2993056.0/19

+ sign 191.046+/-0.033 χ^2/NDF: 11070628.6/36

All: 186.868+/-0.023 χ^2/NDF: 22288550.3/74

- sign 182.932+/-0.032 χ^2/NDF: 11185831.9/37

asym_usl_atl2_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.020+/-0.054 χ^2/NDF: 16.0/15

Left Out: -0.055+/-0.087 χ^2/NDF:27.6/20

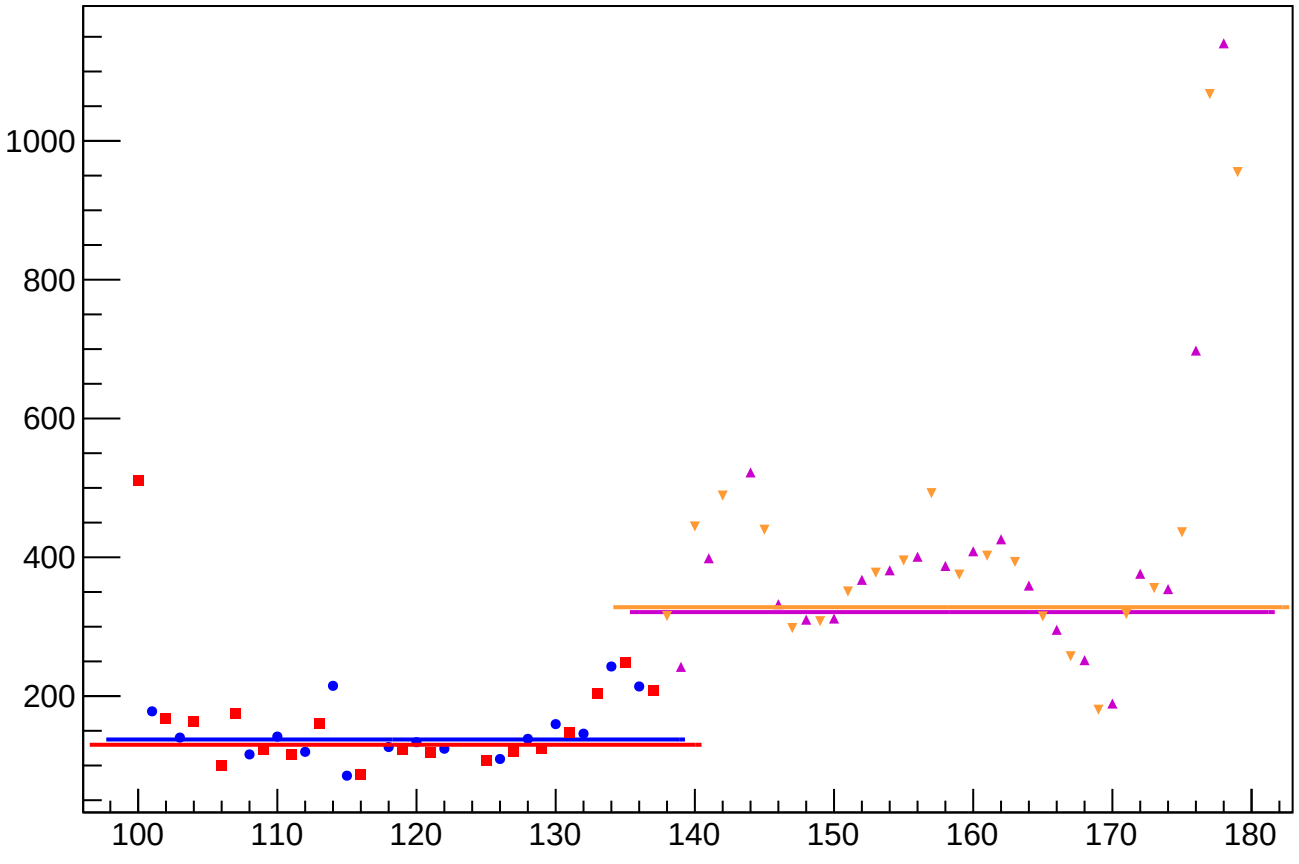
Right Out: -0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: 0.061+/-0.085 χ^2/NDF:25.3/19

+ sign -0.030+/-0.046 χ^2/NDF: 43.7/36

All: -0.023+/-0.032 χ^2/NDF: 96.5/74

- sign -0.018+/-0.045 χ^2/NDF: 52.8/37



Right In: 137.492+/-0.038 χ^2/NDF: 692947.9/15

Left Out: 328.110+/-0.061 χ^2/NDF:3429207.3/20

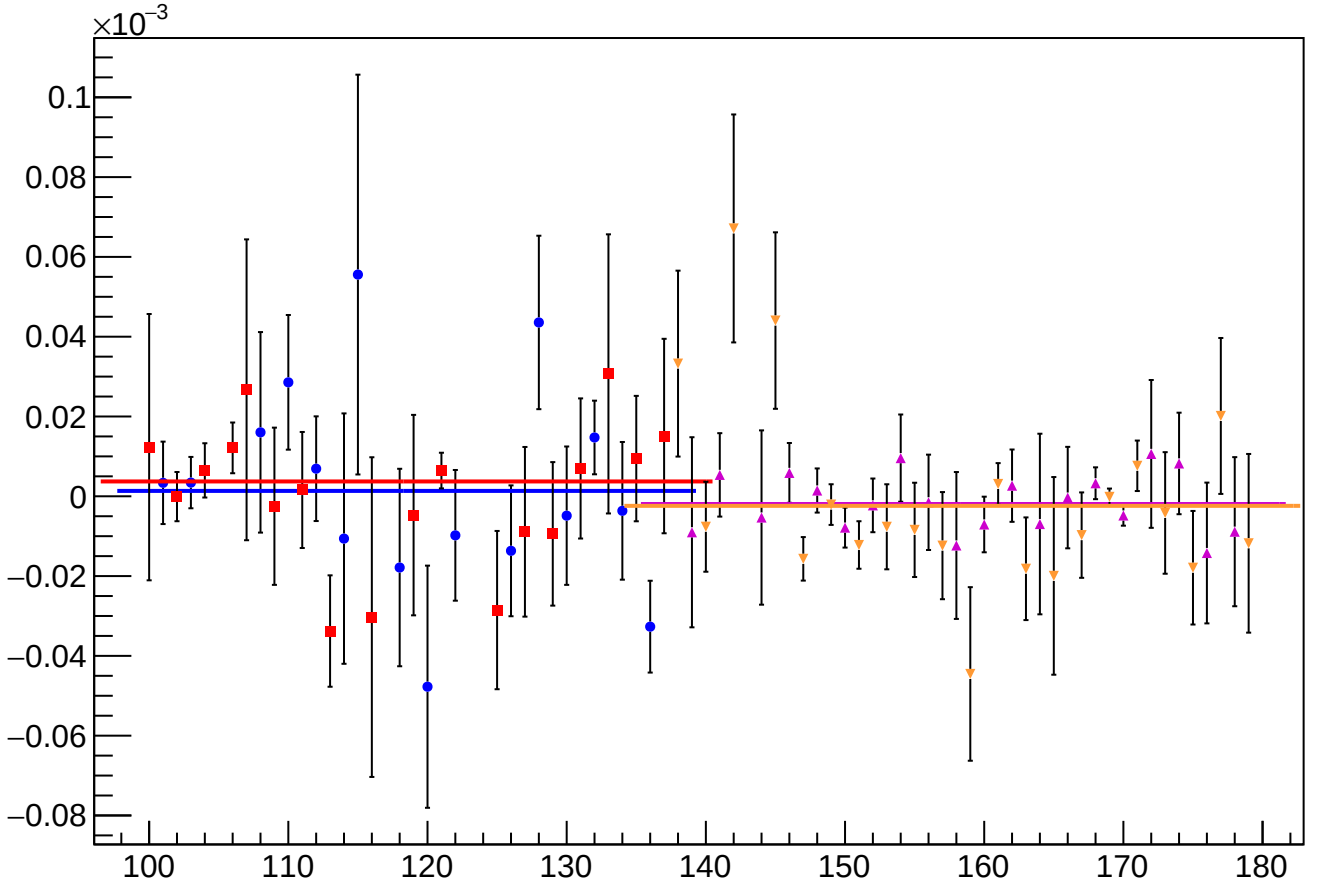
Right Out: 129.887+/-0.037 χ^2/NDF: 833983.9/17

Left In: 321.032+/-0.060 χ^2/NDF:2993056.0/19

+ sign 191.046+/-0.033 χ^2/NDF: 11070628.6/36

All: 186.868+/-0.023 χ^2/NDF: 22288550.3/74

- sign 182.932+/-0.032 χ^2/NDF: 11185831.9/37



Right In: 0.000+/-0.000 χ^2/NDF: 23.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:36.3/20

Right Out: 0.000+/-0.000 χ^2/NDF: 15.8/17

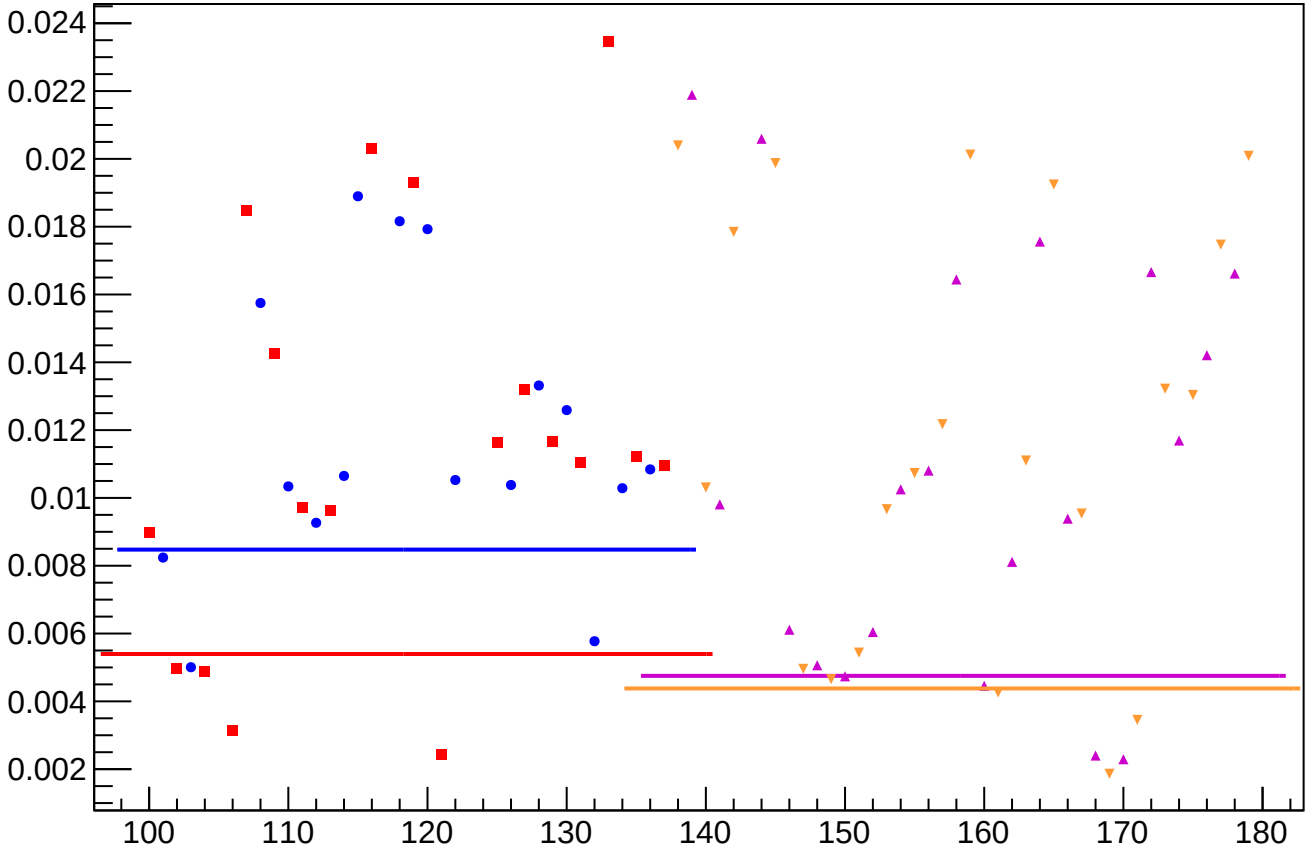
Left In: -0.000+/-0.000 χ^2/NDF:10.4/19

+ sign -0.000+/-0.000 χ^2/NDF: 61.3/36

All: -0.000+/-0.000 χ^2/NDF: 91.7/74

- sign -0.000+/-0.000 χ^2/NDF: 29.9/37

asym_usl_atl2_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 1925998.4/15

Left Out: 0.004+/-0.000 χ^2/NDF:13803515.0/20

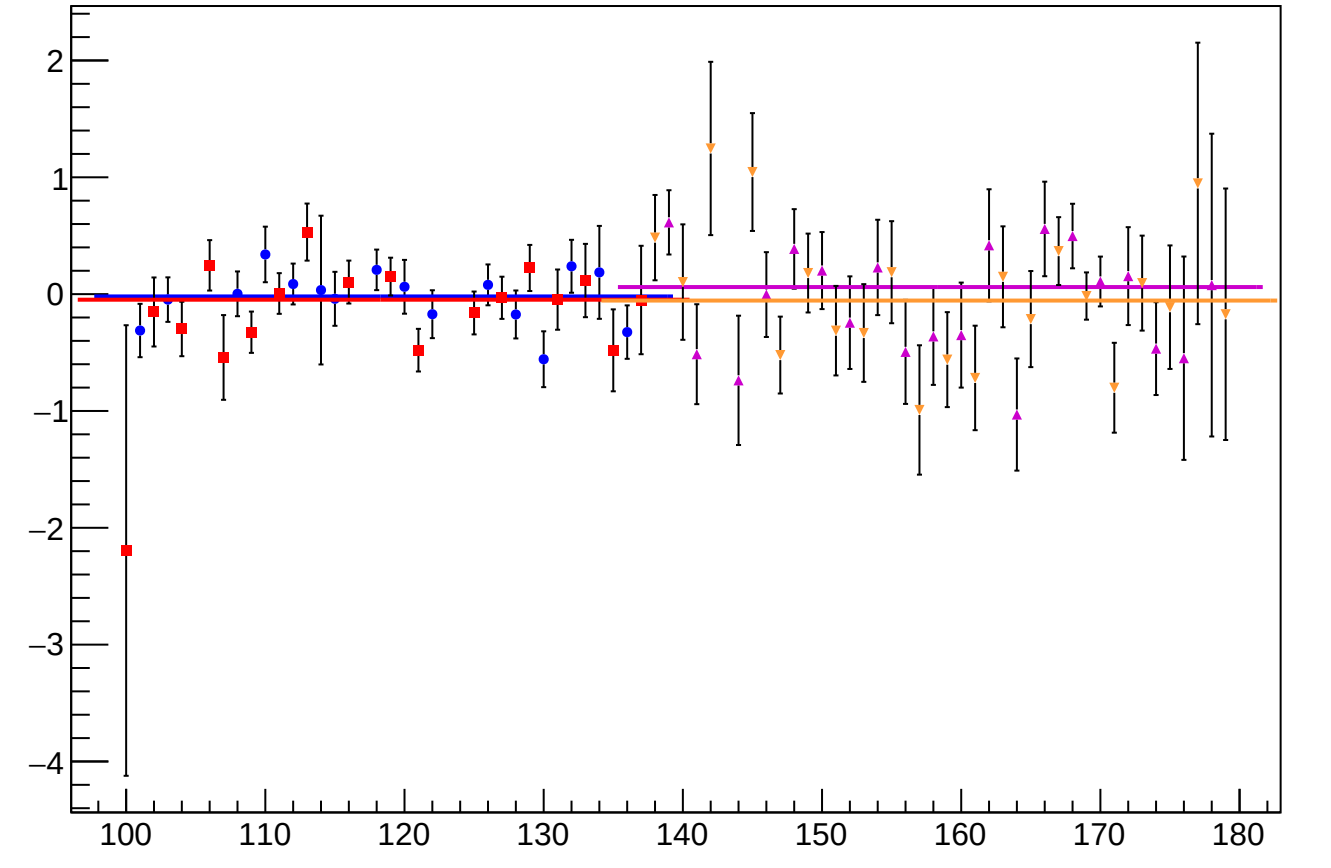
Right Out: 0.005+/-0.000 χ^2/NDF: 4909074.3/17

Left In: 0.005+/-0.000 χ^2/NDF:11067687.2/19

+ sign 0.005+/-0.000 χ^2/NDF: 18114394.9/36

All: 0.005+/-0.000 χ^2/NDF: 34189720.6/74

- sign 0.005+/-0.000 χ^2/NDF: 16071288.6/37



Right In: -0.020+/-0.054 χ^2/NDF: 16.0/15

Left Out: -0.055+/-0.087 χ^2/NDF:27.6/20

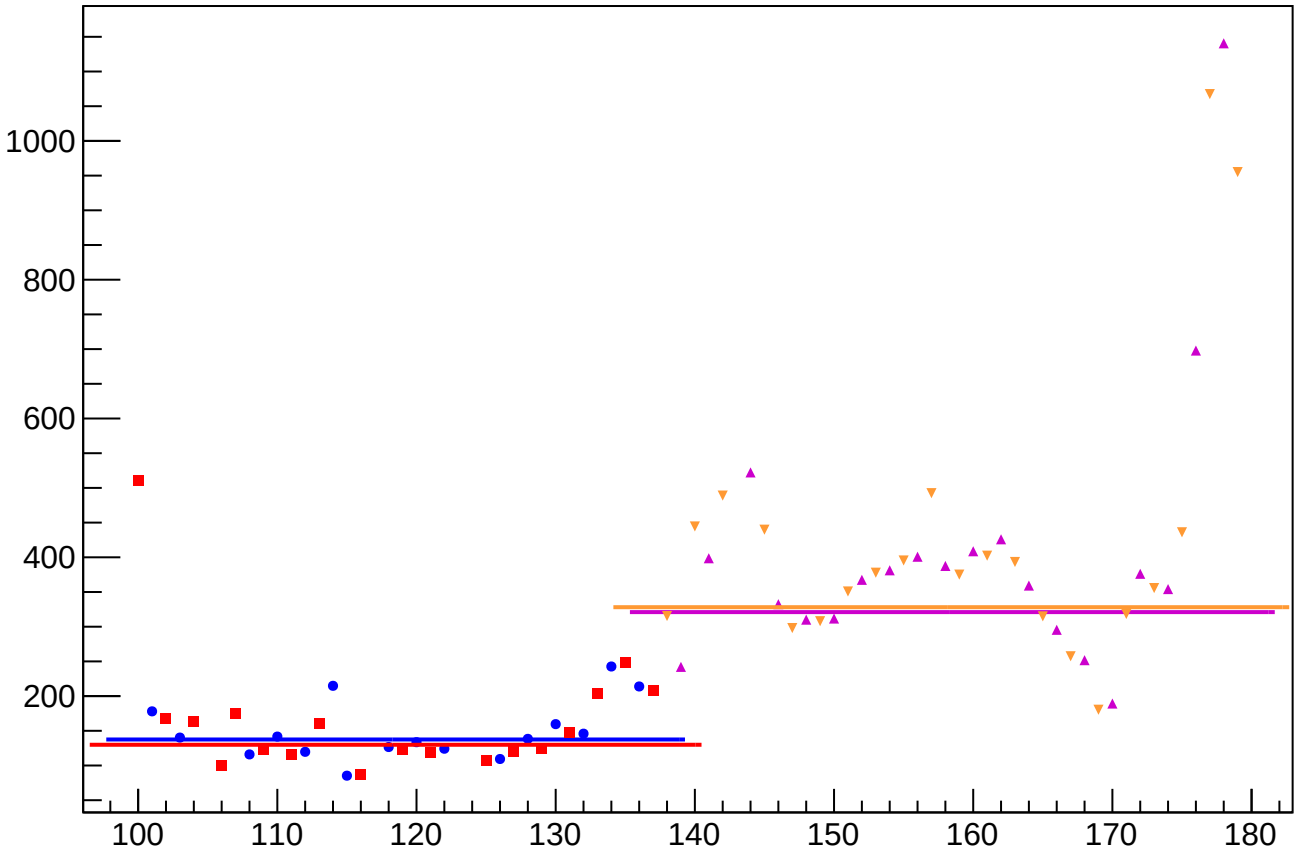
Right Out: -0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: 0.061+/-0.085 χ^2/NDF:25.3/19

+ sign -0.030+/-0.046 χ^2/NDF: 43.7/36

All: -0.023+/-0.032 χ^2/NDF: 96.6/74

- sign -0.018+/-0.045 χ^2/NDF: 52.8/37



Right In: 137.492+/-0.038 χ^2/NDF: 692923.1/15

Left Out: 328.112+/-0.061 χ^2/NDF:3429276.1/20

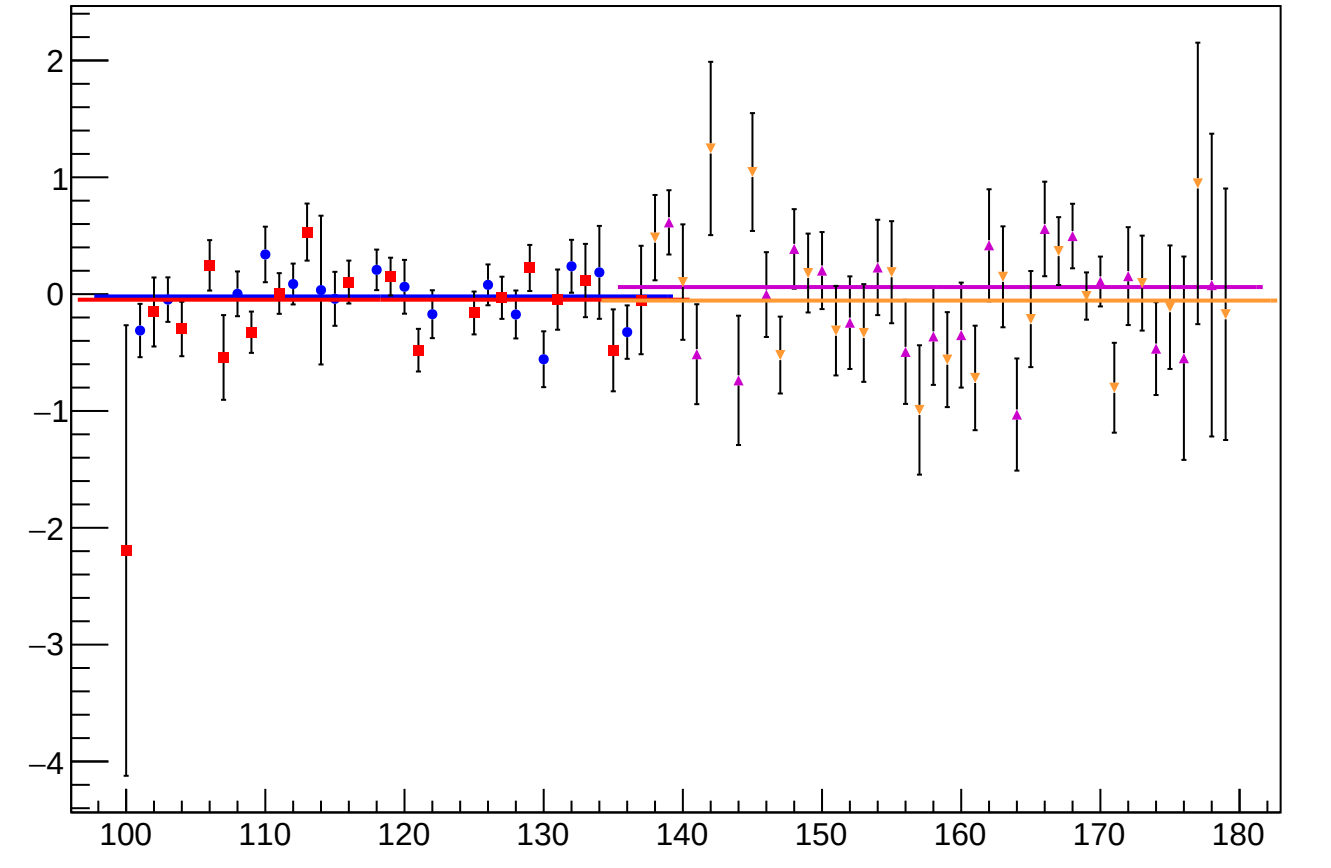
Right Out: 129.887+/-0.037 χ^2/NDF: 833937.8/17

Left In: 321.035+/-0.060 χ^2/NDF:2993055.1/19

+ sign 191.046+/-0.033 χ^2/NDF: 11070757.4/36

All: 186.868+/-0.023 χ^2/NDF: 22288758.6/74

- sign 182.932+/-0.032 χ^2/NDF: 11185912.4/37



Right In: -0.020+/-0.054 χ^2/NDF: 16.0/15

Left Out: -0.055+/-0.087 χ^2/NDF:27.6/20

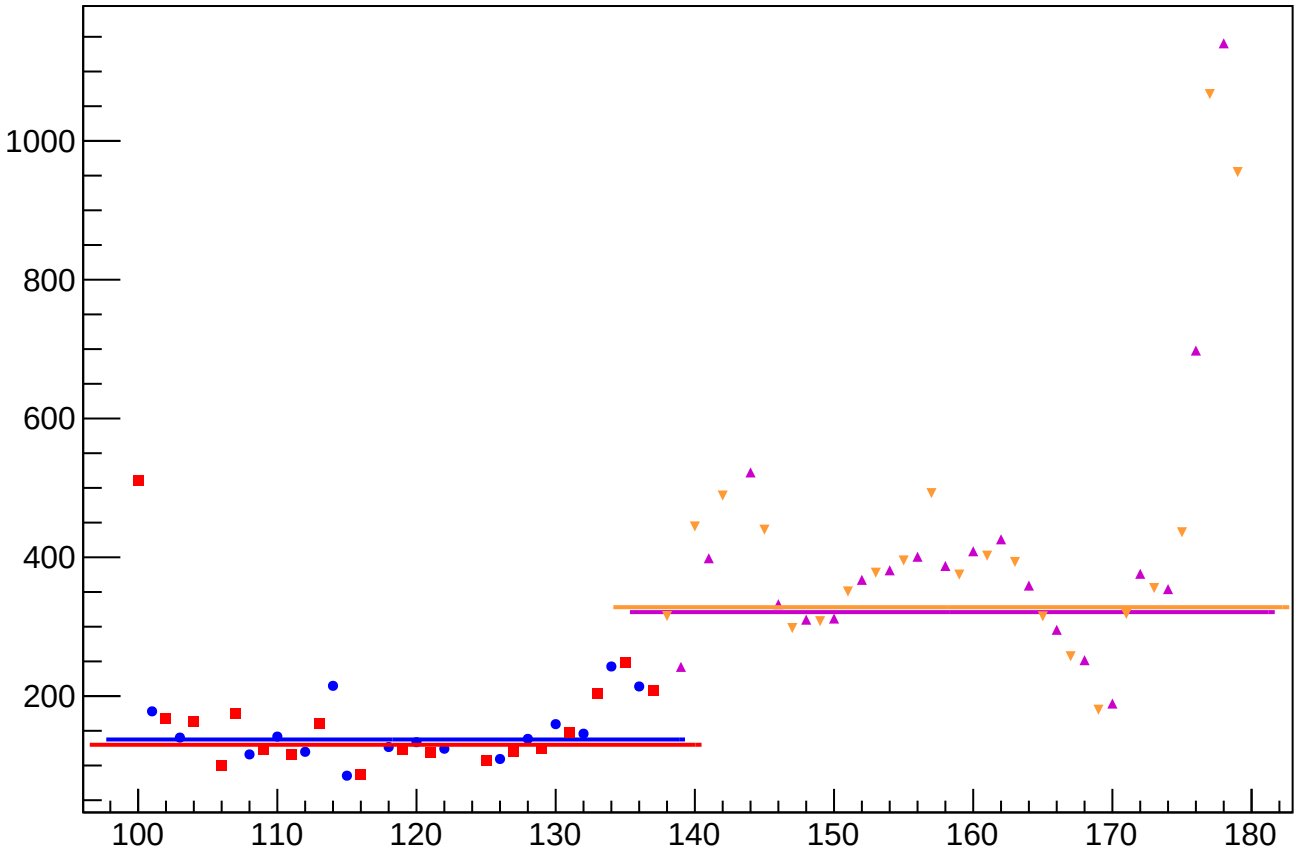
Right Out: -0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: 0.061+/-0.085 χ^2/NDF:25.3/19

+ sign -0.030+/-0.046 χ^2/NDF: 43.7/36

All: -0.023+/-0.032 χ^2/NDF: 96.6/74

- sign -0.018+/-0.045 χ^2/NDF: 52.8/37



Right In: 137.492+/-0.038 χ^2/NDF: 692923.1/15

Left Out: 328.112+/-0.061 χ^2/NDF:3429276.1/20

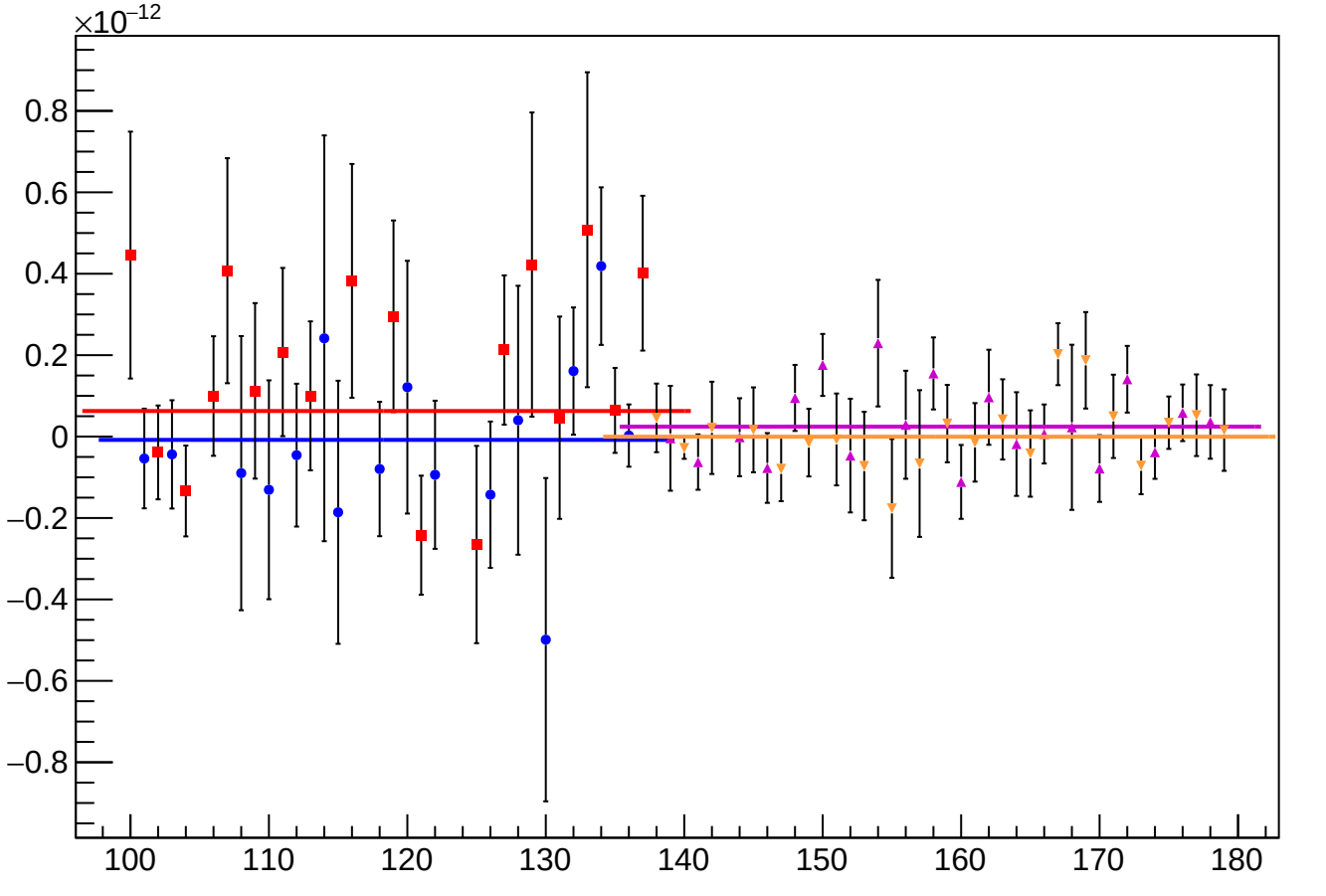
Right Out: 129.887+/-0.037 χ^2/NDF: 833937.8/17

Left In: 321.035+/-0.060 χ^2/NDF:2993055.1/19

+ sign 191.046+/-0.033 χ^2/NDF: 11070757.4/36

All: 186.868+/-0.023 χ^2/NDF: 22288758.6/74

- sign 182.932+/-0.032 χ^2/NDF: 11185912.4/37



Right In: -0.000+/-0.000 χ^2/NDF: 9.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.9/20

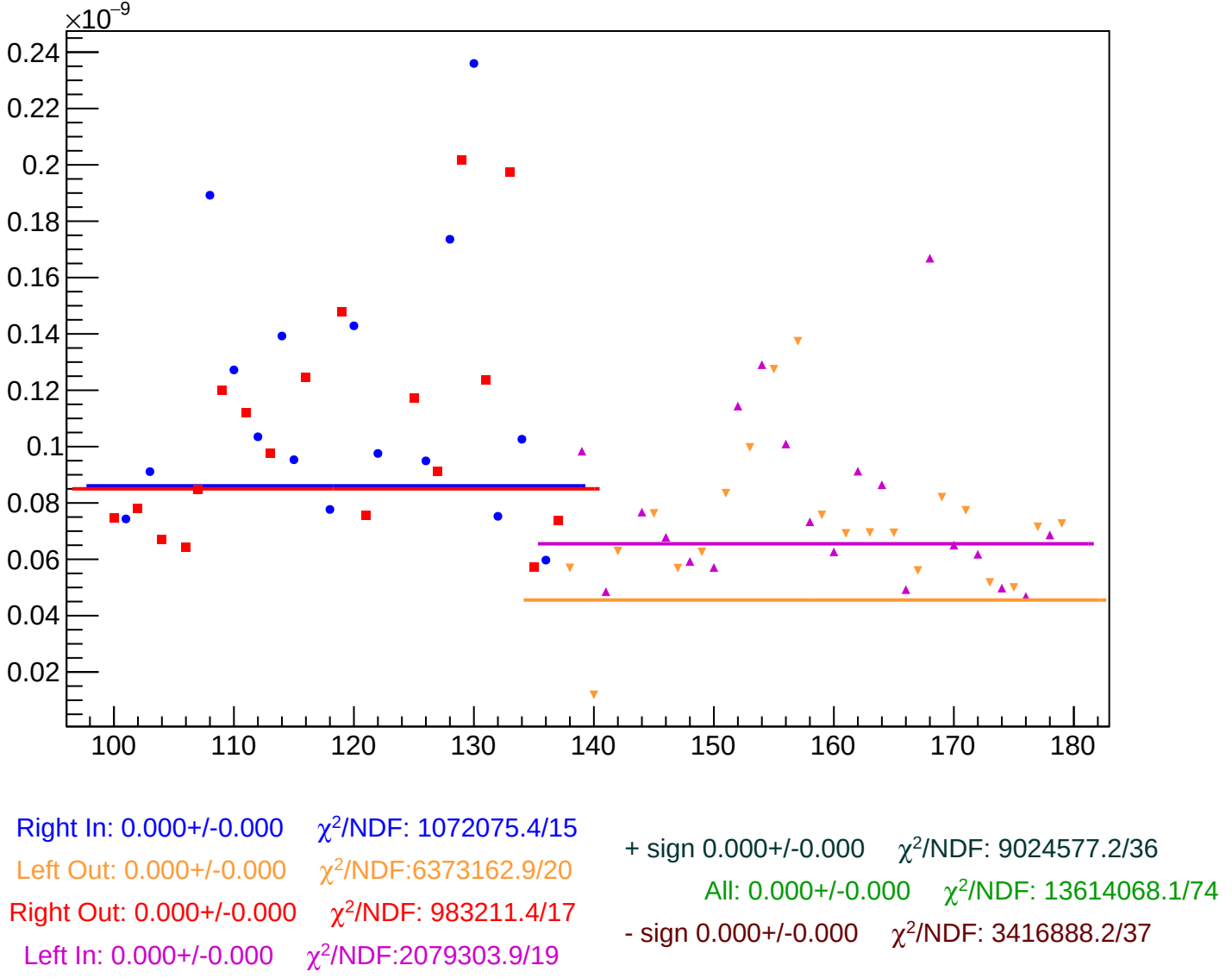
Right Out: 0.000+/-0.000 χ^2/NDF: 22.2/17

Left In: 0.000+/-0.000 χ^2/NDF:19.6/19

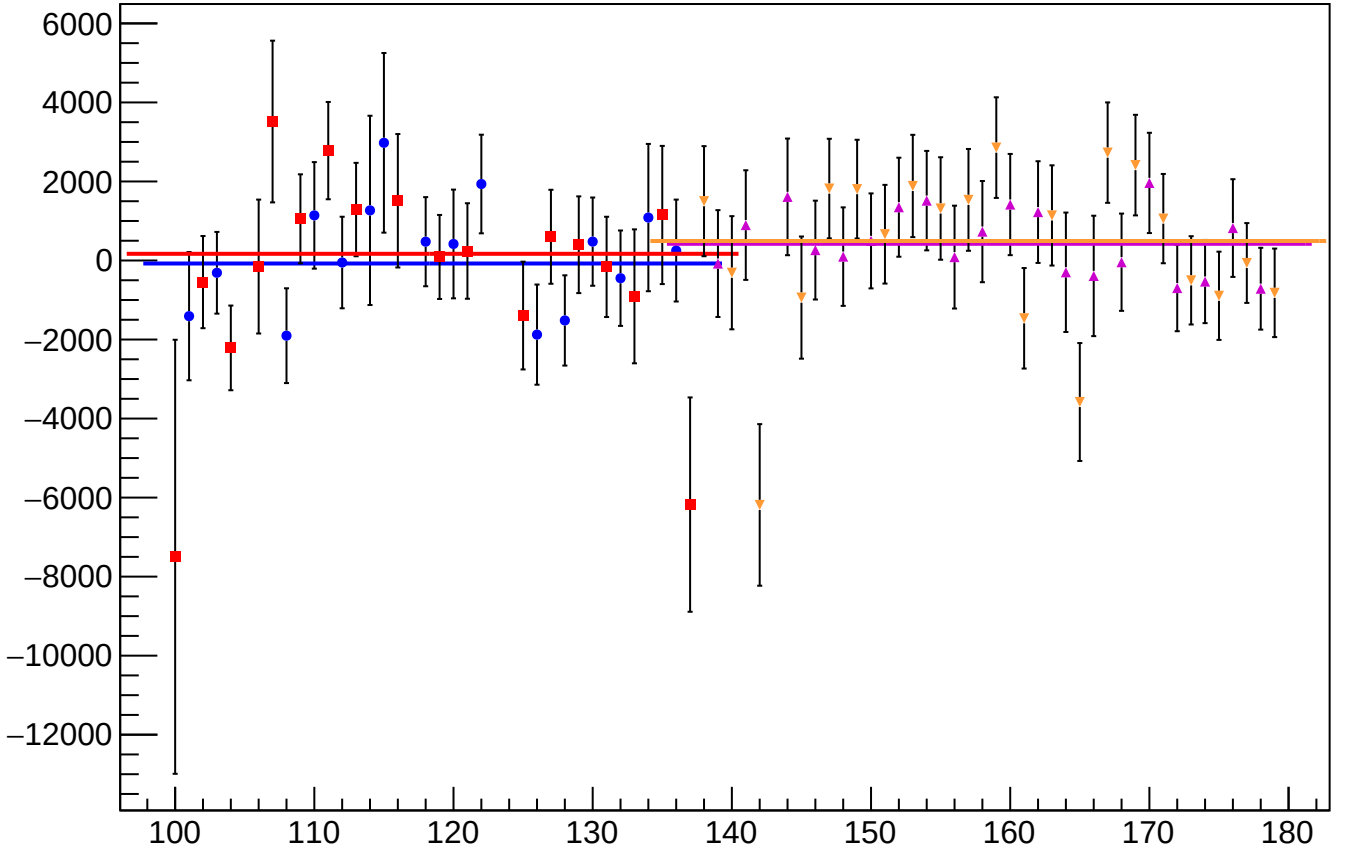
+ sign -0.000+/-0.000 χ^2/NDF: 25.8/36

All: 0.000+/-0.000 χ^2/NDF: 70.2/74

- sign 0.000+/-0.000 χ^2/NDF: 42.5/37


asym_usl_atl2_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1072075.4/15
Left Out: 0.000+/-0.000 χ²/NDF:6373162.9/20
Right Out: 0.000+/-0.000 χ²/NDF: 983211.4/17
Left In: 0.000+/-0.000 χ²/NDF:2079303.9/19
+ sign 0.000+/-0.000 χ²/NDF: 9024577.2/36
All: 0.000+/-0.000 χ²/NDF: 13614068.1/74
- sign 0.000+/-0.000 χ²/NDF: 3416888.2/37

reg_asym_usl_atl2_dd_mean vs Slug



Right In: -75.944+/-326.226 χ^2/NDF: 13.4/15

Left Out: 493.199+/-276.570 χ^2/NDF:40.0/20

Right Out: 169.345+/-321.827 χ^2/NDF: 24.4/17

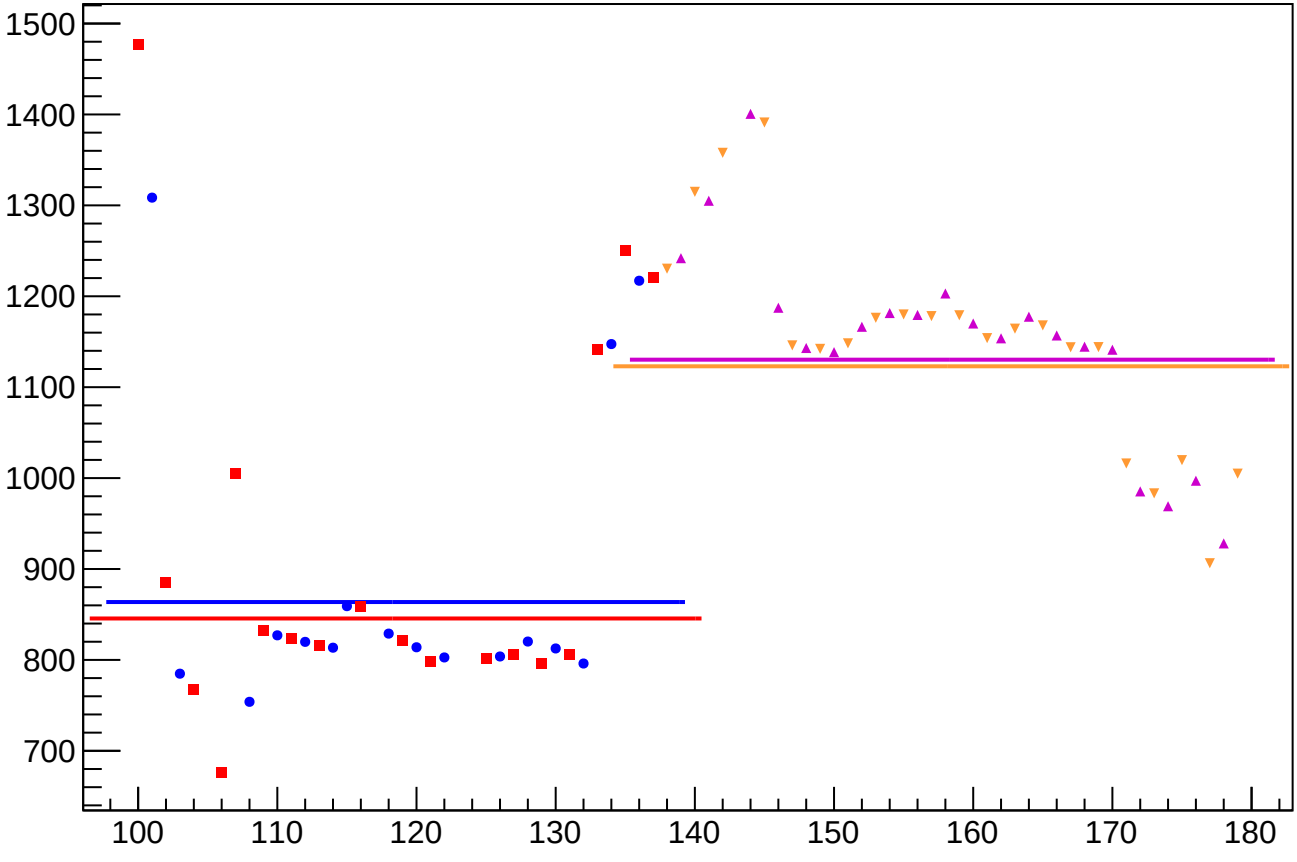
Left In: 422.725+/-281.050 χ^2/NDF:8.7/19

+ sign 255.195+/-210.960 χ^2/NDF: 55.1/36

All: 284.045+/-149.429 χ^2/NDF: 88.6/74

- sign 313.095+/-211.690 χ^2/NDF: 33.4/37

reg_asym_usl_atl2_dd_rms vs Slug



Right In: 863.661+/-0.231 χ^2/NDF: 407498.8/15

Left Out: 1122.978+/-0.196 χ^2/NDF:337932.5/20

Right Out: 845.579+/-0.225 χ^2/NDF: 307774.6/17

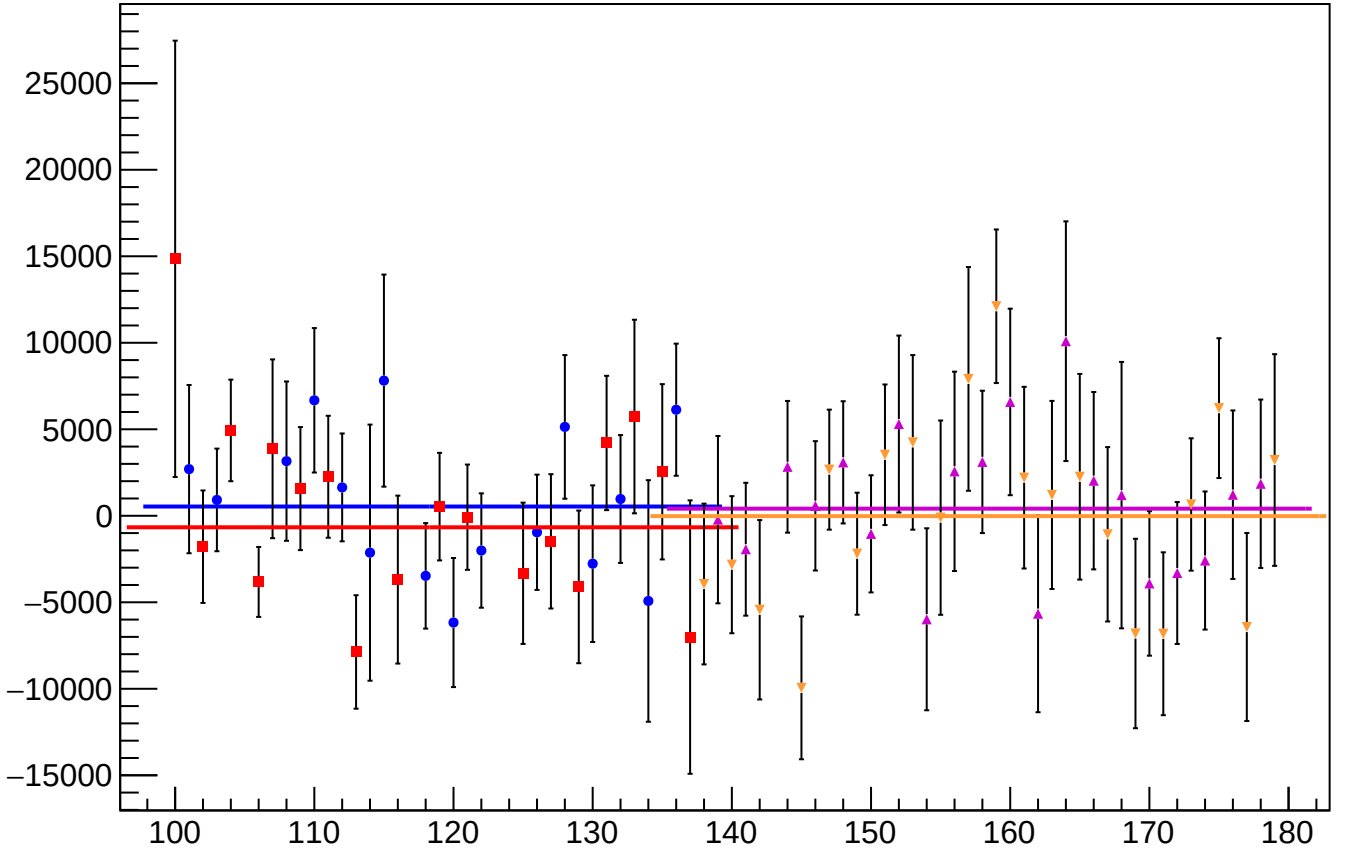
Left In: 1130.258+/-0.199 χ^2/NDF:318345.4/19

+ sign 1014.537+/-0.149 χ^2/NDF: 1480692.5/36

All: 1009.932+/-0.105 χ^2/NDF: 3009098.9/74

- sign 1005.345+/-0.149 χ^2/NDF: 1526504.2/37

asym_usl_atl2_dd_reg_correction_mean vs Slug



Right In: 534.507+/-981.290 χ^2/NDF: 14.7/15

Left Out: -21.172+/-1009.072 χ^2/NDF:27.6/20

Right Out: -665.878+/-864.970 χ^2/NDF: 20.0/17

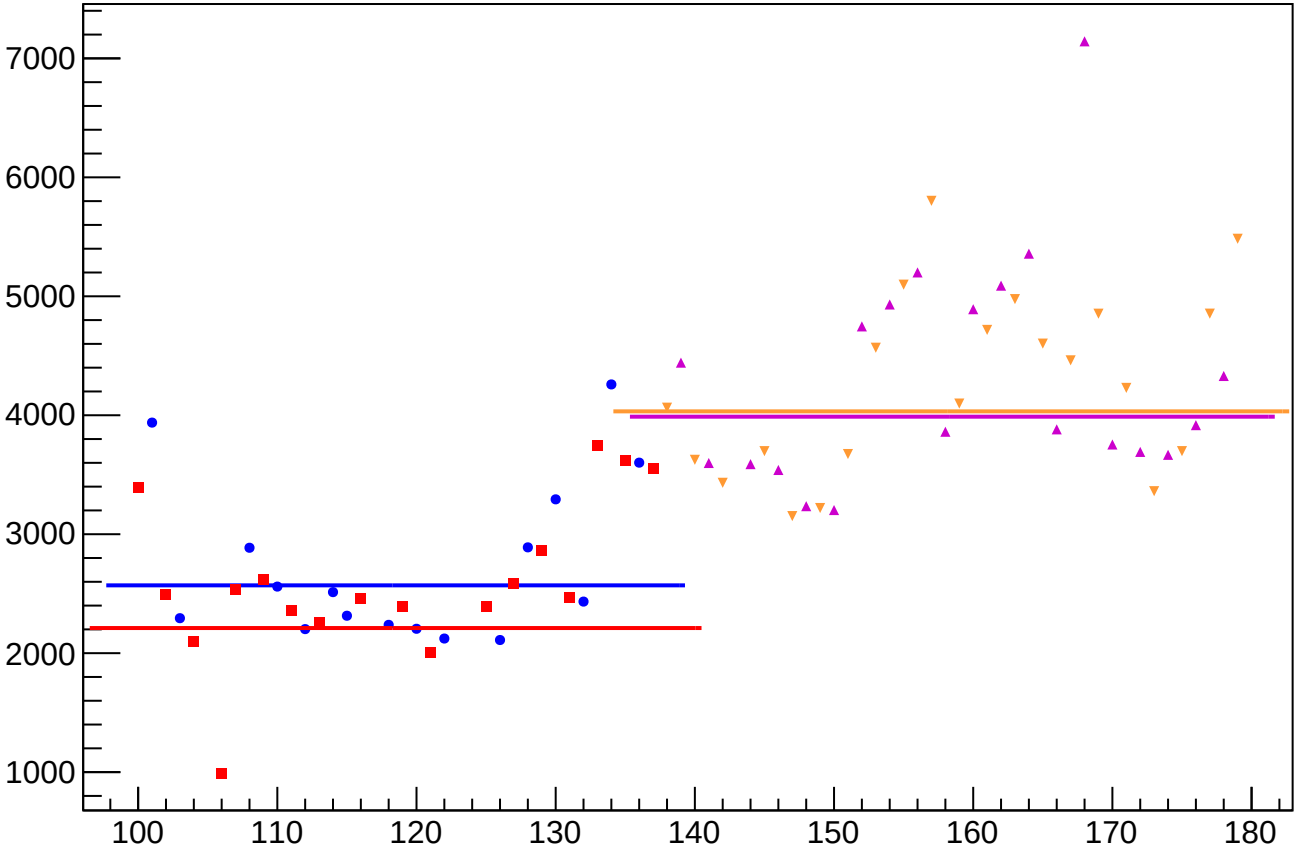
Left In: 411.837+/-1006.564 χ^2/NDF:11.6/19

+ sign 264.422+/-703.494 χ^2/NDF: 42.5/36

All: 11.686+/-479.784 χ^2/NDF: 74.9/74

- sign -208.093+/-656.025 χ^2/NDF: 32.2/37

asym_usl_atl2_dd_reg_correction_rms vs Slug



Right In: 2570.135+/-0.694 χ^2/NDF: 662477.9/15

Left Out: 4032.736+/-0.714 χ^2/NDF:965564.6/20

Right Out: 2211.269+/-0.612 χ^2/NDF: 1264087.9/17

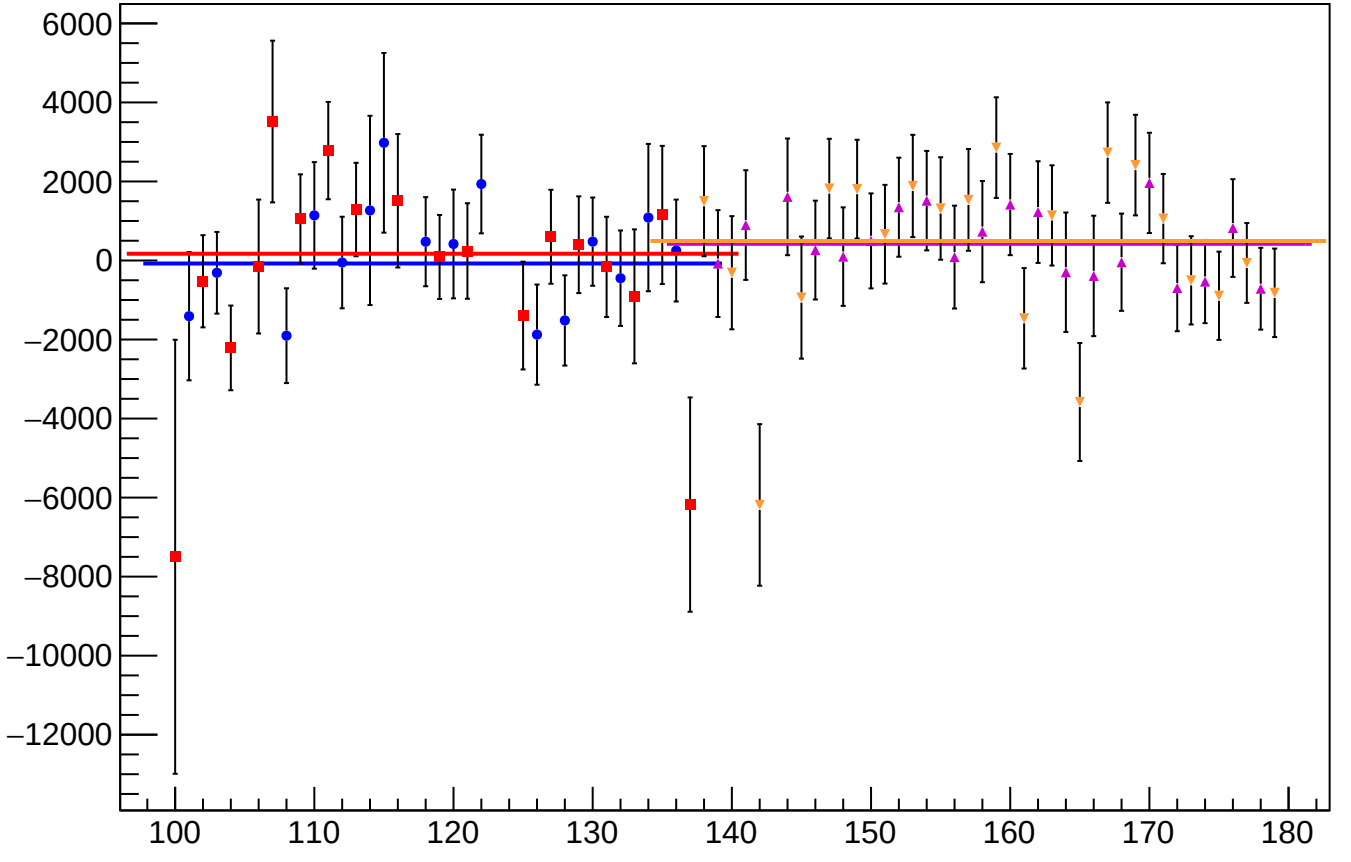
Left In: 3988.000+/-0.712 χ^2/NDF:1071777.9/19

+ sign 3281.024+/-0.497 χ^2/NDF: 3787590.9/36

All: 3112.514+/-0.339 χ^2/NDF: 9922499.2/74

- sign 2965.978+/-0.464 χ^2/NDF: 5920368.0/37

cor_asym_usl_atl2_dd_mean vs Slug



Right In: -76.022+/-326.226 χ^2/NDF: 13.3/15

Left Out: 493.252+/-276.570 χ^2/NDF:40.0/20

Right Out: 170.982+/-321.832 χ^2/NDF: 24.4/17

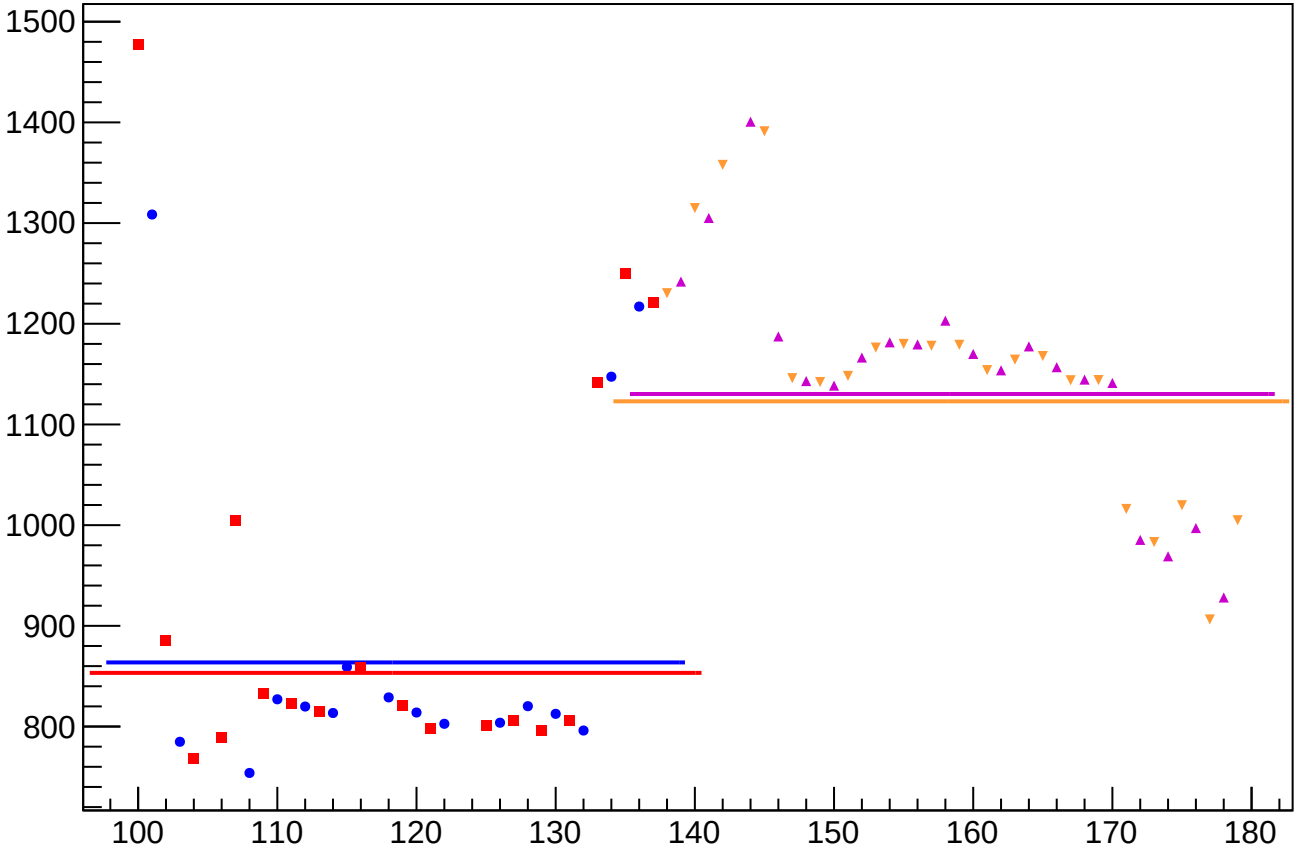
Left In: 422.691+/-281.050 χ^2/NDF:8.7/19

+ sign 255.193+/-210.960 χ^2/NDF: 55.1/36

All: 284.388+/-149.429 χ^2/NDF: 88.6/74

- sign 313.786+/-211.692 χ^2/NDF: 33.4/37

cor_asym_usl_atl2_dd_rms vs Slug



Right In: 863.661+/-0.231 χ^2/NDF: 407498.5/15

Left Out: 1122.978+/-0.196 χ^2/NDF:337932.4/20

Right Out: 853.289+/-0.226 χ^2/NDF: 275357.1/17

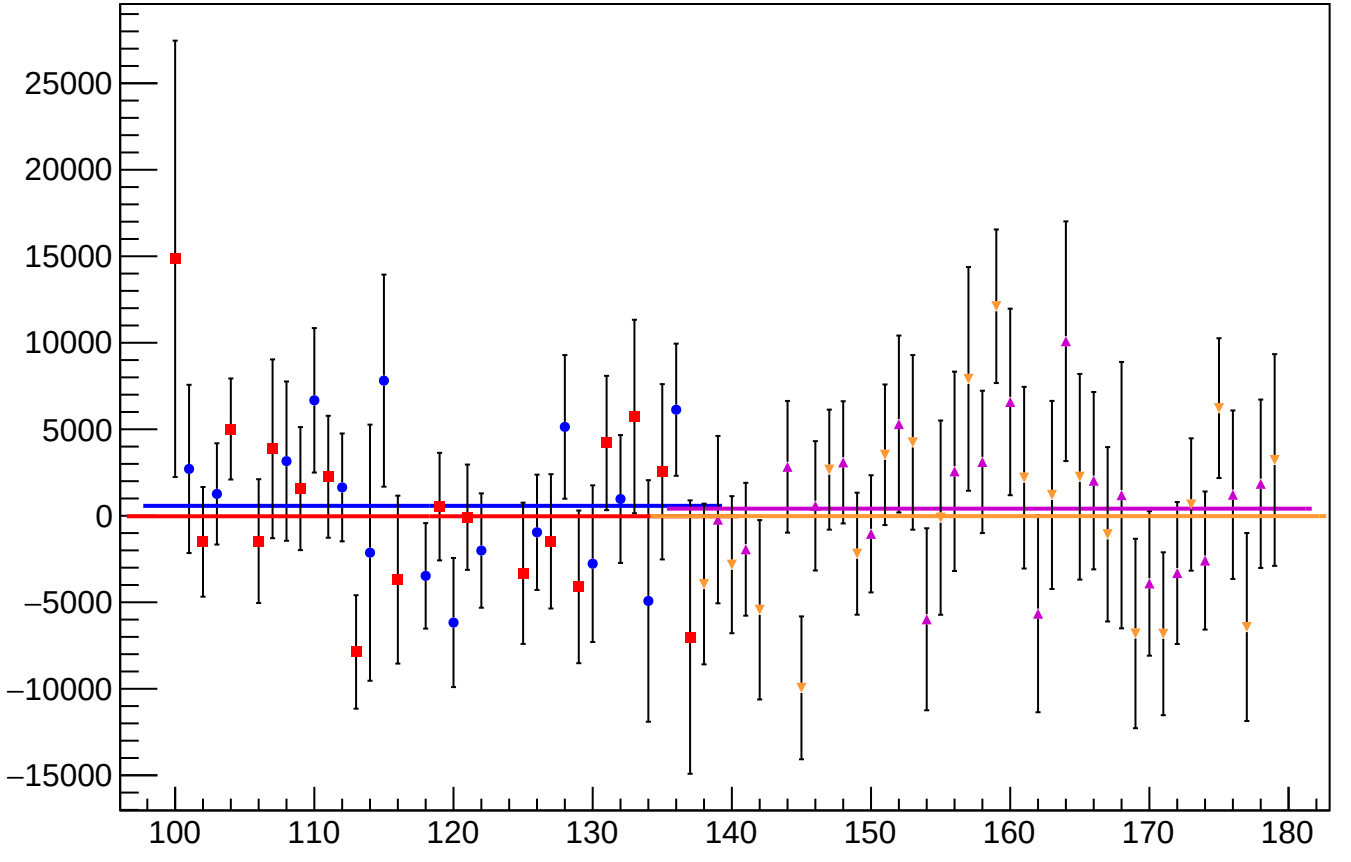
Left In: 1130.258+/-0.199 χ^2/NDF:318345.4/19

+ sign 1014.537+/-0.149 χ^2/NDF: 1480692.6/36

All: 1012.131+/-0.106 χ^2/NDF: 2920234.6/74

- sign 1009.720+/-0.149 χ^2/NDF: 1439021.2/37

asym_usl_atl2_dd_cor_correction_mean vs Slug



Right In: 574.964+/-979.856 χ^2/NDF: 14.7/15

Left Out: -21.147+/-1009.073 χ^2/NDF:27.6/20

Right Out: -28.604+/-922.115 χ^2/NDF: 17.2/17

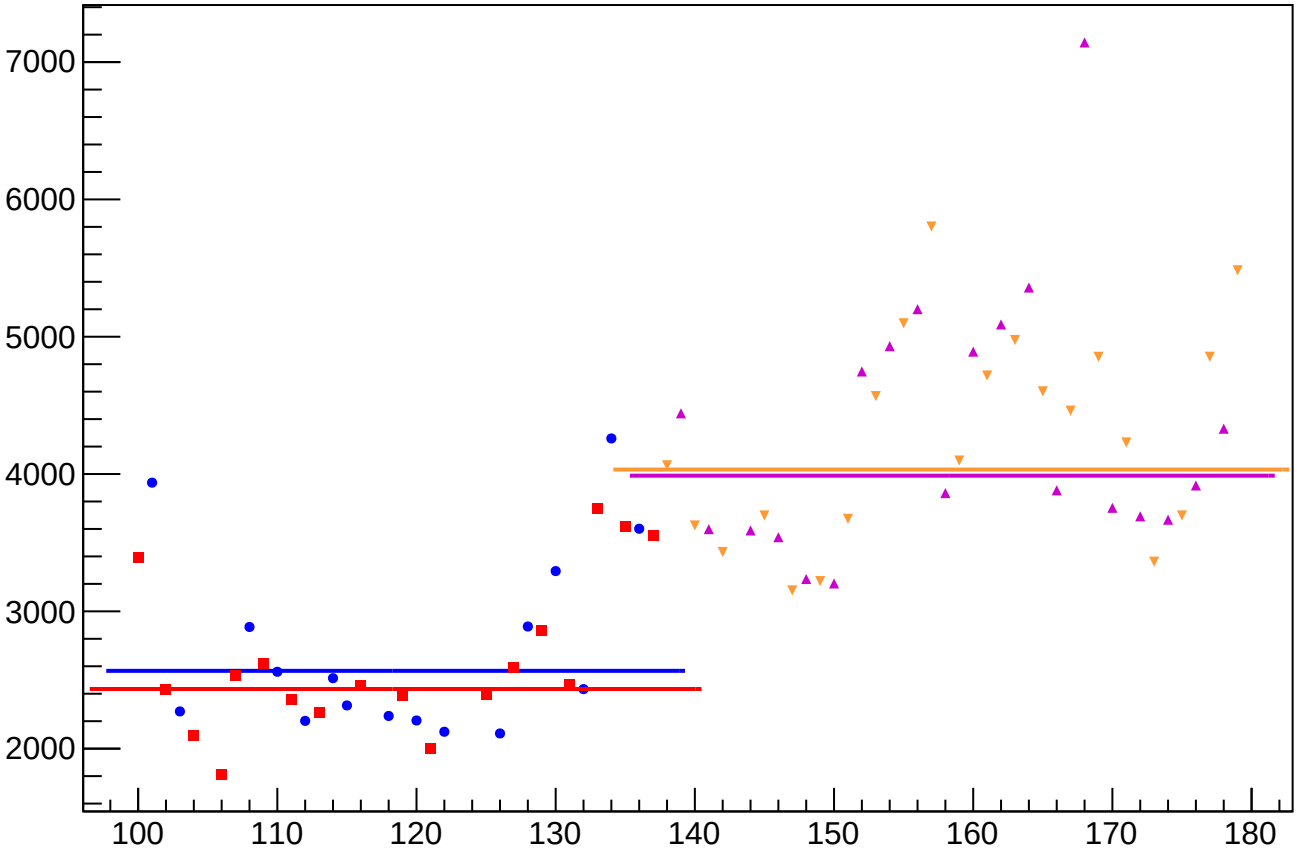
Left In: 411.887+/-1006.563 χ^2/NDF:11.6/19

+ sign 285.663+/-702.965 χ^2/NDF: 42.5/36

All: 227.141+/-488.724 χ^2/NDF: 71.4/74

- sign 172.391+/-679.932 χ^2/NDF: 28.9/37

asym_usl_atl2_dd_cor_correction_rms vs Slug



Right In: 2566.732+/-0.693 χ^2/NDF: 665871.6/15

Left Out: 4032.738+/-0.714 χ^2/NDF:965561.5/20

Right Out: 2434.430+/-0.652 χ^2/NDF: 434078.9/17

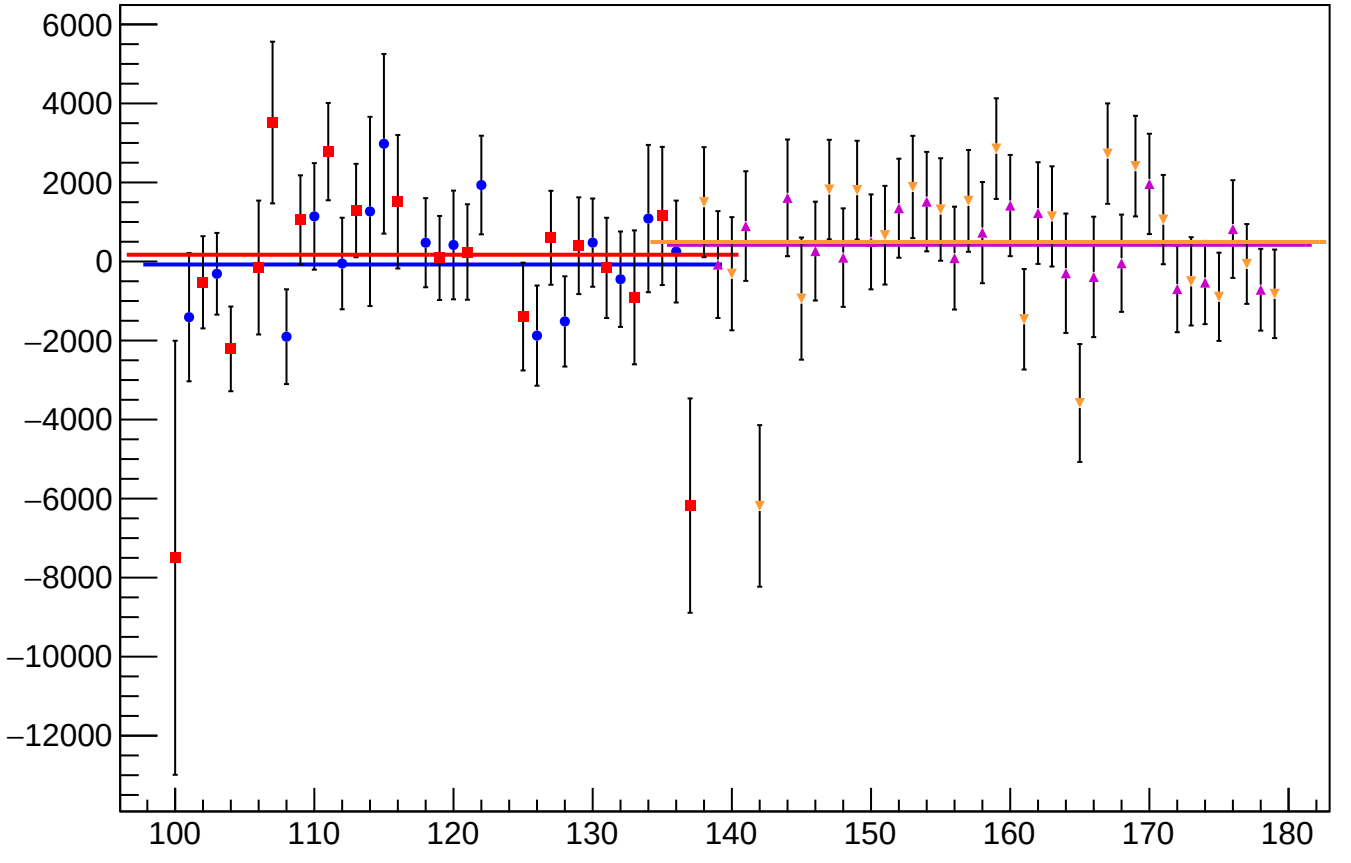
Left In: 3987.996+/-0.712 χ^2/NDF:1071781.9/19

+ sign 3278.205+/-0.497 χ^2/NDF: 3804130.1/36

All: 3208.516+/-0.346 χ^2/NDF: 7938440.9/74

- sign 3143.319+/-0.481 χ^2/NDF: 4096266.5/37

eigen_cor_asym_usl_atl2_dd_mean vs Slug



Right In: -76.022+/-326.226 χ^2/NDF: 13.3/15

Left Out: 493.252+/-276.570 χ^2/NDF:40.0/20

Right Out: 170.982+/-321.832 χ^2/NDF: 24.4/17

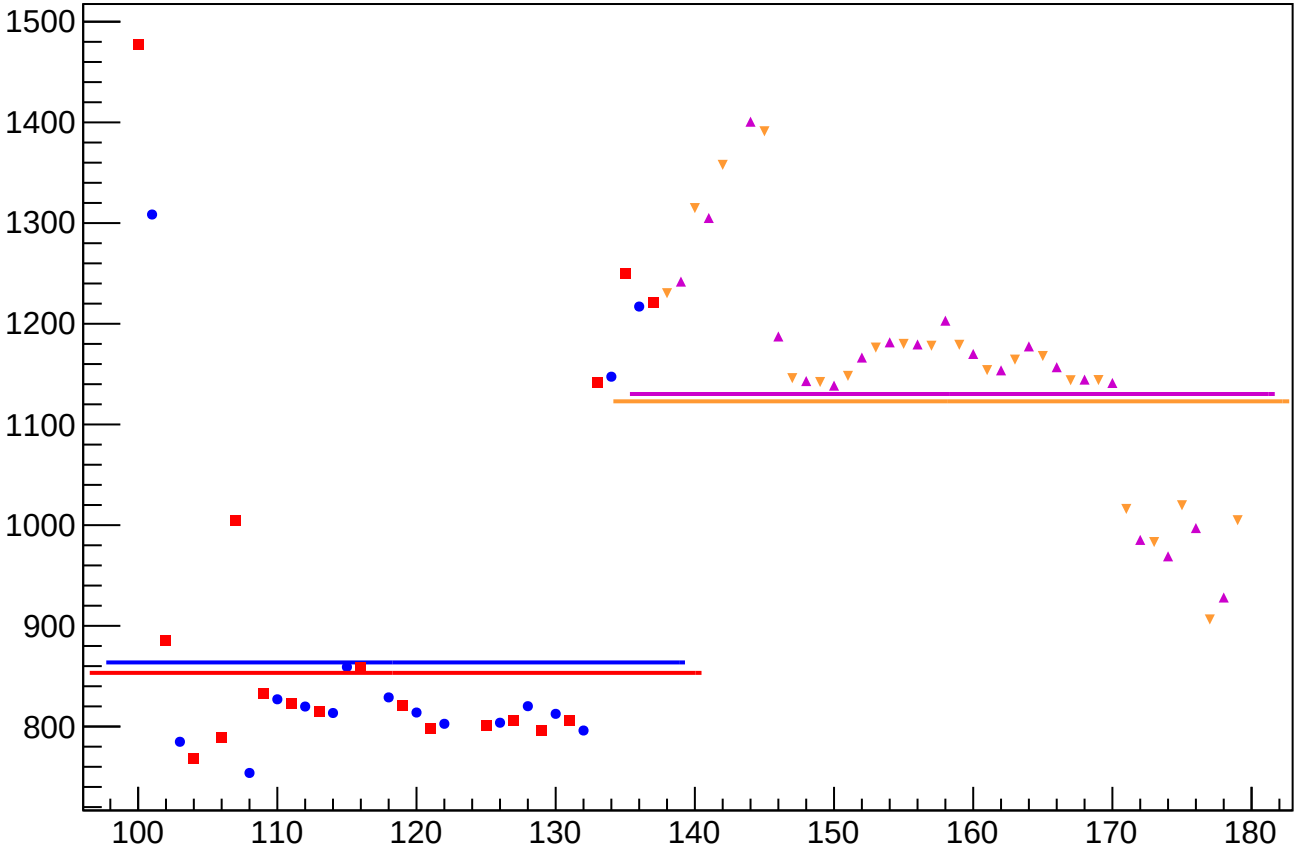
Left In: 422.691+/-281.050 χ^2/NDF:8.7/19

+ sign 255.193+/-210.960 χ^2/NDF: 55.1/36

All: 284.388+/-149.429 χ^2/NDF: 88.6/74

- sign 313.786+/-211.692 χ^2/NDF: 33.4/37

eigen_cor_asym_usl_atl2_dd_rms vs Slug



Right In: 863.661+/-0.231 χ^2/NDF: 407498.5/15

Left Out: 1122.978+/-0.196 χ^2/NDF:337932.4/20

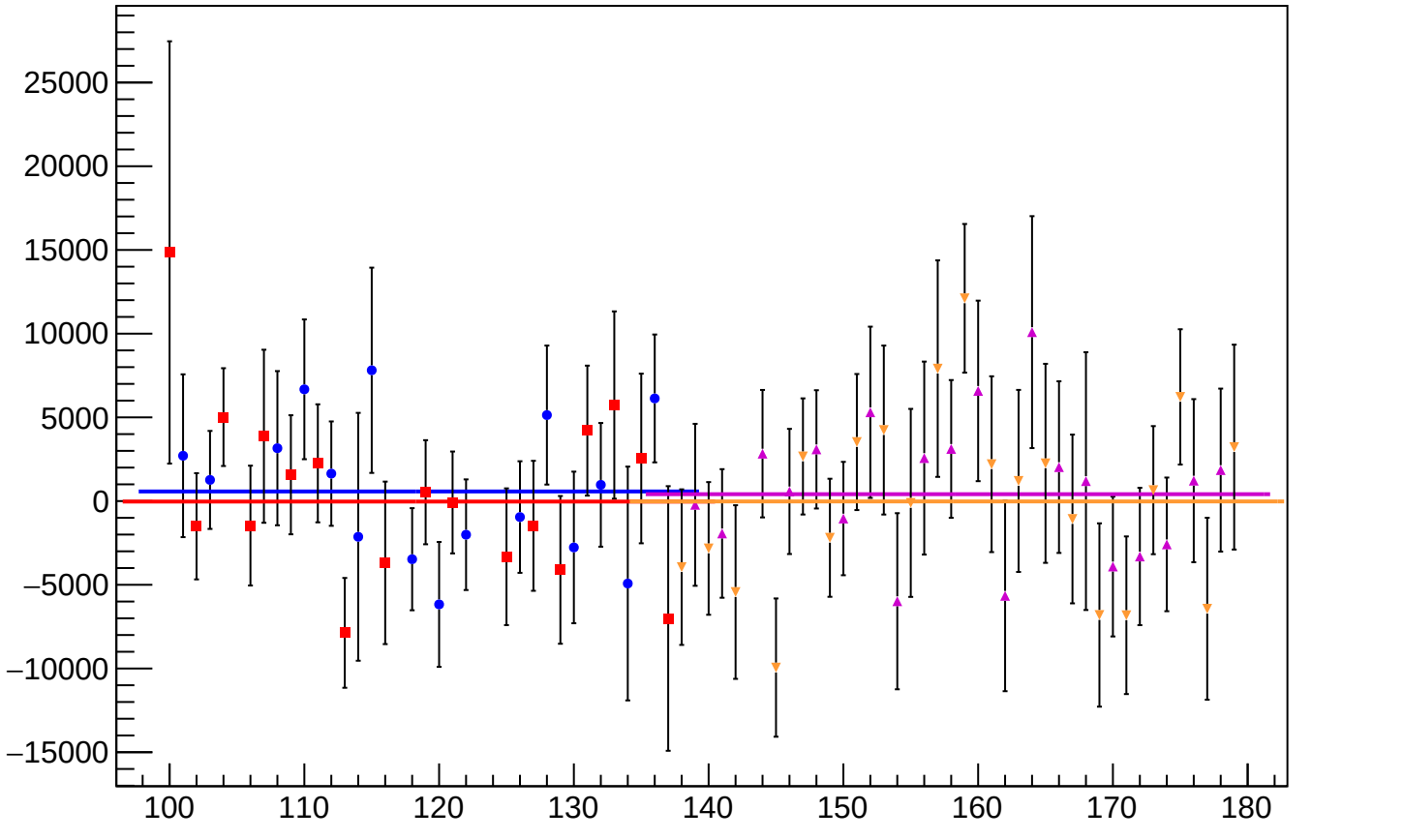
Right Out: 853.289+/-0.226 χ^2/NDF: 275357.1/17

Left In: 1130.258+/-0.199 χ^2/NDF:318345.4/19

+ sign 1014.537+/-0.149 χ^2/NDF: 1480692.6/36

All: 1012.131+/-0.106 χ^2/NDF: 2920234.6/74

- sign 1009.720+/-0.149 χ^2/NDF: 1439021.2/37



Right In: 574.964+/-979.856 χ^2/NDF: 14.7/15

Left Out: -21.147+/-1009.073 χ^2/NDF:27.6/20

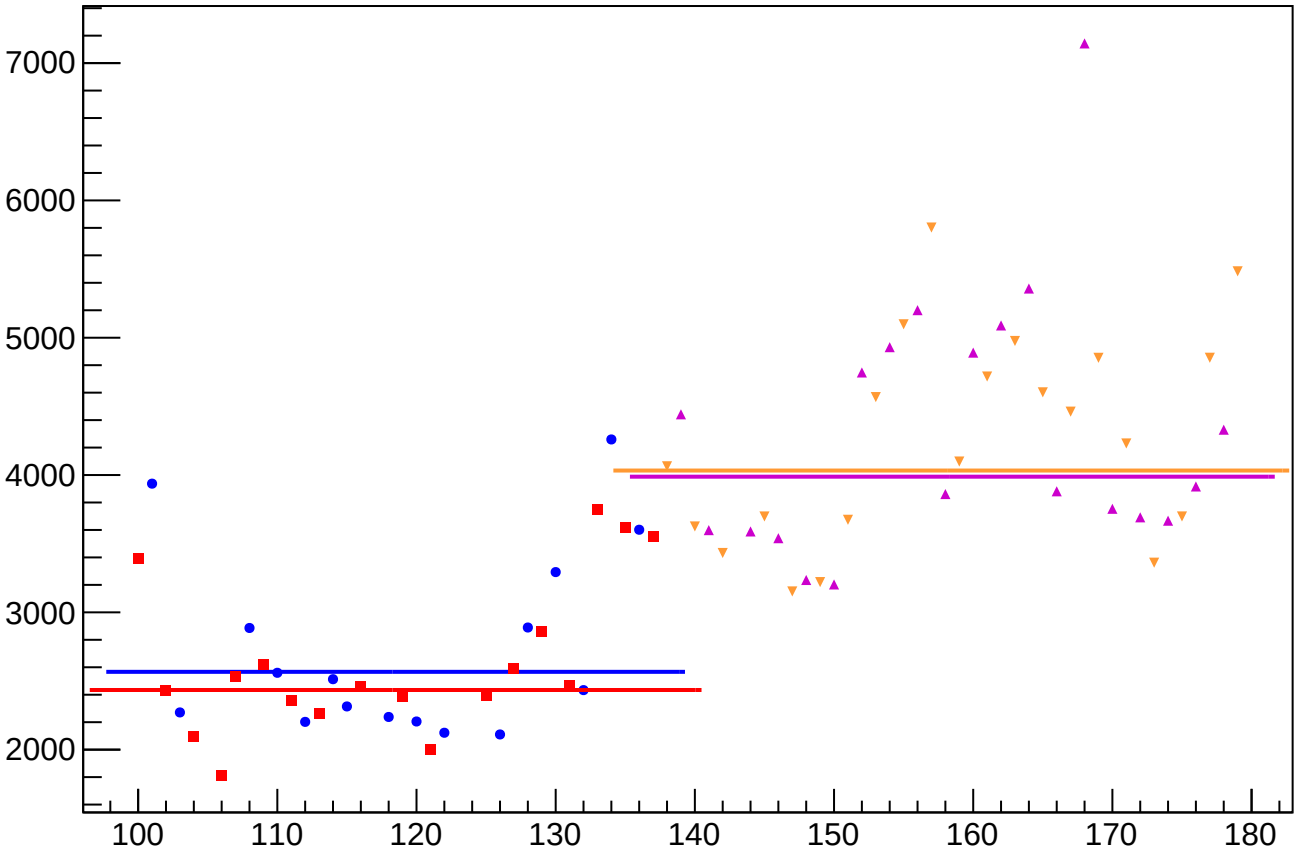
Right Out: -28.604+/-922.115 χ^2/NDF: 17.2/17

Left In: 411.887+/-1006.563 χ^2/NDF:11.6/19

\+ sign 285.663+/-702.965 χ^2/NDF: 42.5/36

All: 227.141+/-488.724 χ^2/NDF: 71.4/74

\- sign 172.391+/-679.932 χ^2/NDF: 28.9/37



Right In: 2566.732+/-0.693 χ^2/NDF: 665871.6/15

Left Out: 4032.738+/-0.714 χ^2/NDF:965561.5/20

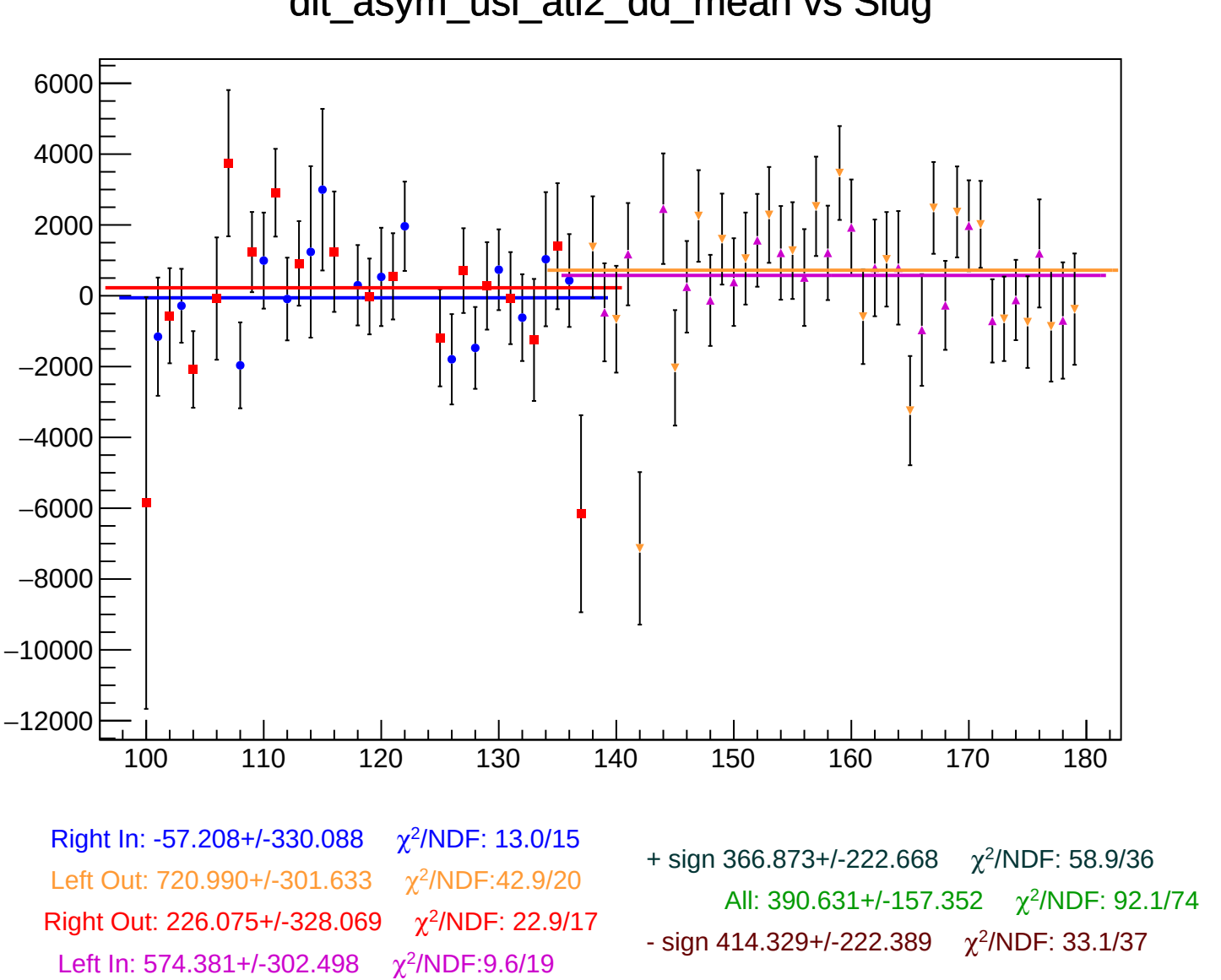
Right Out: 2434.430+/-0.652 χ^2/NDF: 434078.9/17

Left In: 3987.996+/-0.712 χ^2/NDF:1071781.9/19

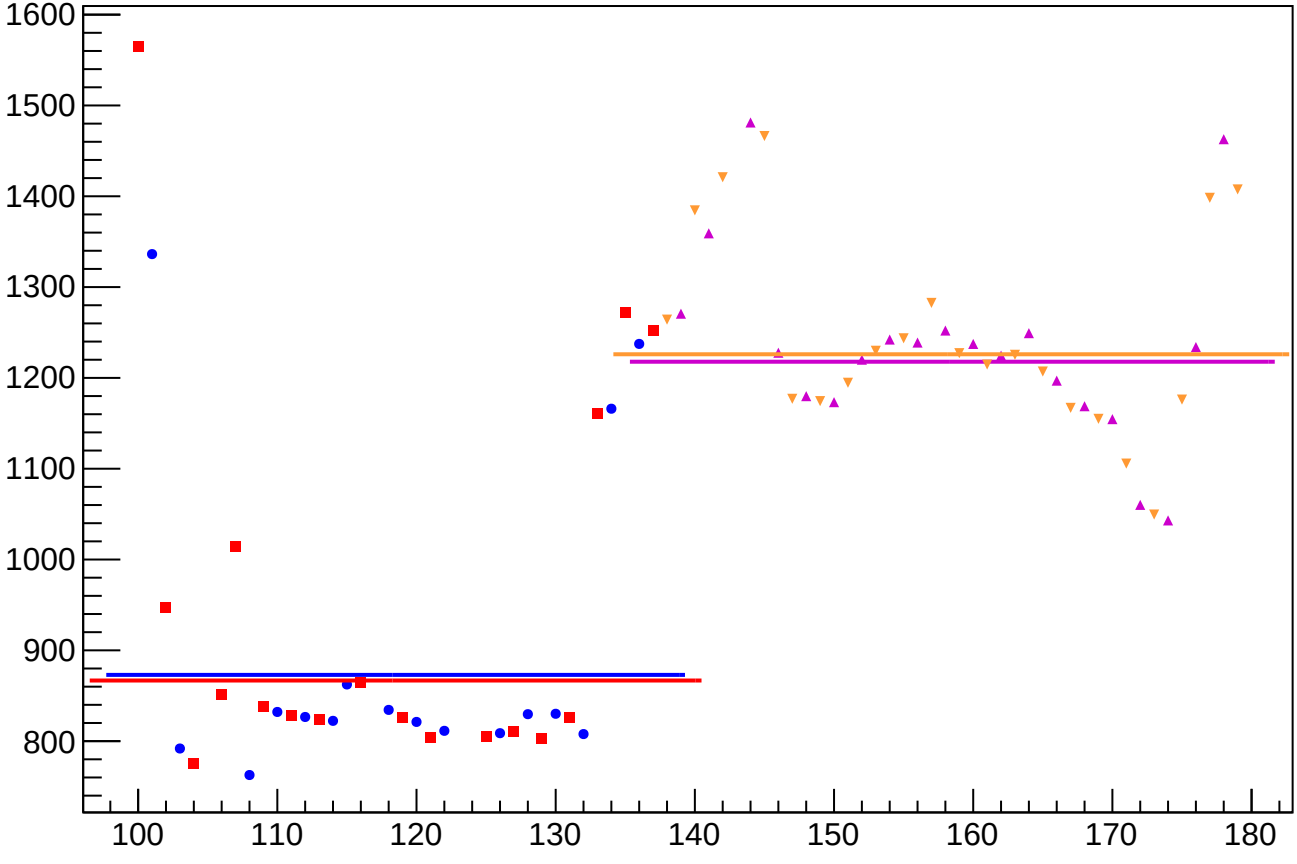
+ sign 3278.205+/-0.497 χ^2/NDF: 3804130.1/36

All: 3208.516+/-0.346 χ^2/NDF: 7938440.9/74

- sign 3143.319+/-0.481 χ^2/NDF: 4096266.5/37


dit_asym_usl_atl2_dd_mean vs Slug
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
110
120
130
140
150
160
170
180
Right In: -57.208+/-330.088 χ²/NDF: 13.0/15
Left Out: 720.990+/-301.633 χ²/NDF:42.9/20
Right Out: 226.075+/-328.069 χ²/NDF: 22.9/17
Left In: 574.381+/-302.498 χ²/NDF:9.6/19
+ sign 366.873+/-222.668 χ²/NDF: 58.9/36
All: 390.631+/-157.352 χ²/NDF: 92.1/74
- sign 414.329+/-222.389 χ²/NDF: 33.1/37

dit_asym_usl_atl2_dd_rms vs Slug



Right In: 872.971+/-0.233 χ^2/NDF: 417099.2/15

Left Out: 1226.019+/-0.213 χ^2/NDF:221845.9/20

Right Out: 866.772+/-0.232 χ^2/NDF: 290386.4/17

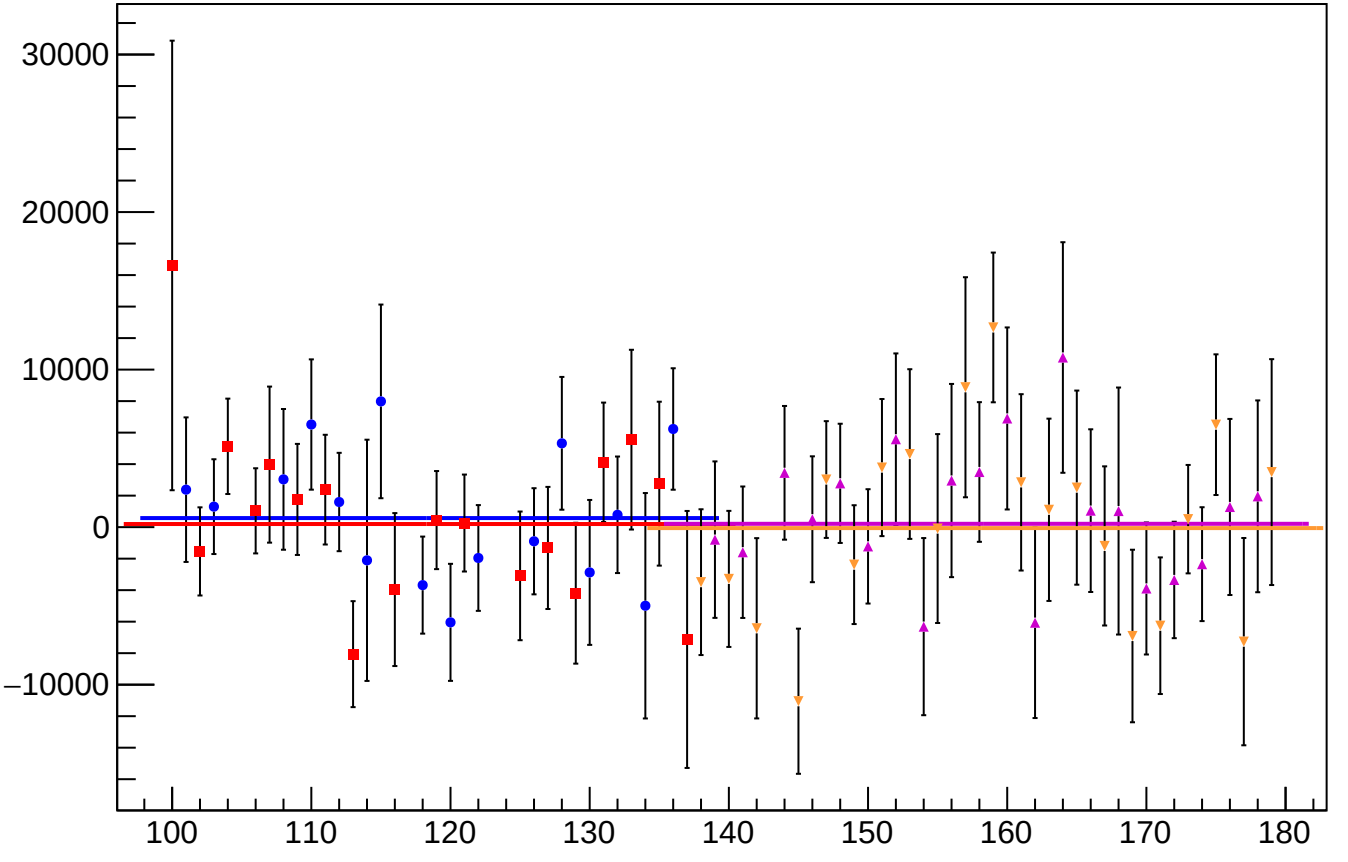
Left In: 1217.809+/-0.214 χ^2/NDF:223531.2/19

+ sign 1065.365+/-0.157 χ^2/NDF: 1885740.0/36

All: 1060.840+/-0.111 χ^2/NDF: 3640259.0/74

- sign 1056.330+/-0.157 χ^2/NDF: 1752869.6/37

asym_usl_atl2_dd_dit_correction_mean vs Slug



Right In: 575.271+/-984.888 χ^2/NDF: 14.7/15

Left Out: -60.442+/-1058.803 χ^2/NDF:27.2/20

Right Out: 197.953+/-894.121 χ^2/NDF: 17.2/17

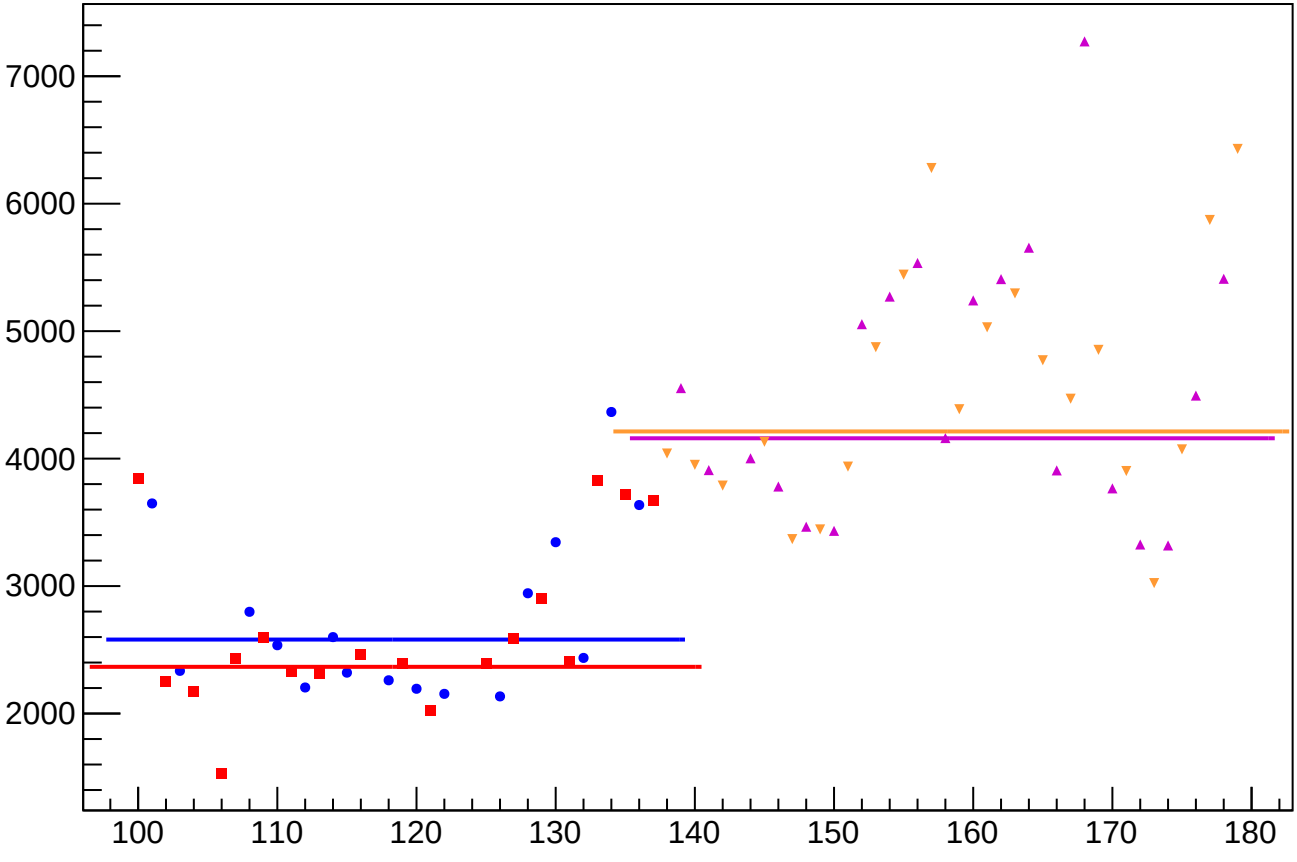
Left In: 211.879+/-1053.983 χ^2/NDF:11.5/19

\+ sign 280.376+/-721.137 χ^2/NDF: 42.1/36

All: 239.934+/-495.440 χ^2/NDF: 70.9/74

\- sign 203.781+/-681.829 χ^2/NDF: 28.7/37

asym_usl_atl2_dd_dit_correction_rms vs Slug



Right In: 2580.377+/-0.696 χ^2/NDF: 617156.1/15

Left Out: 4213.105+/-0.749 χ^2/NDF:1240278.7/20

Right Out: 2366.412+/-0.632 χ^2/NDF: 611695.1/17

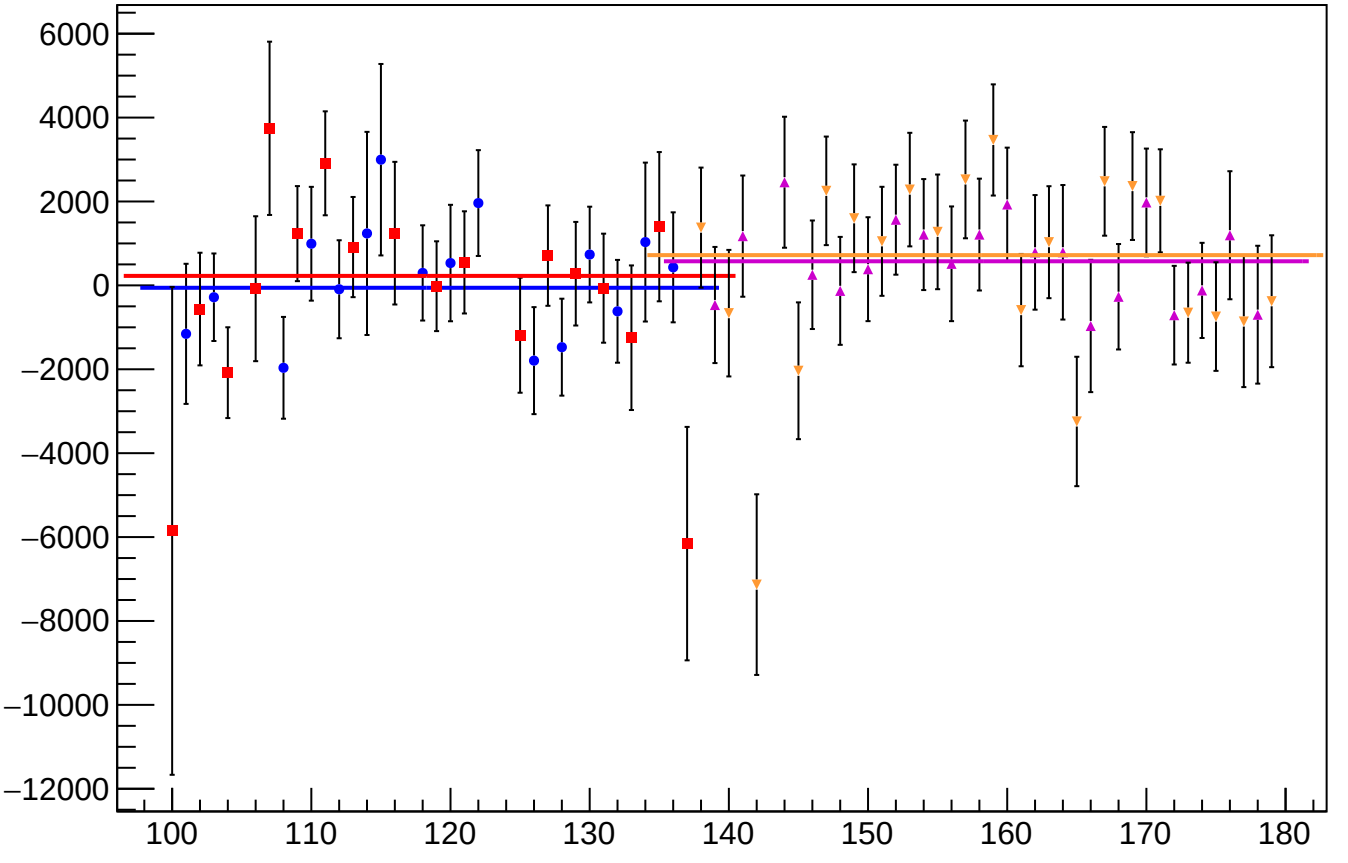
Left In: 4159.521+/-0.745 χ^2/NDF:1298763.3/19

+ sign 3337.766+/-0.510 χ^2/NDF: 4407136.6/36

All: 3221.101+/-0.350 χ^2/NDF: 9782892.4/74

- sign 3116.808+/-0.482 χ^2/NDF: 5276616.8/37

eigen_dit_asym_usl_atl2_dd_mean vs Slug



Right In: -57.211+/-330.088 χ^2/NDF: 13.0/15

Left Out: 720.991+/-301.633 χ^2/NDF:42.9/20

Right Out: 226.078+/-328.069 χ^2/NDF: 22.9/17

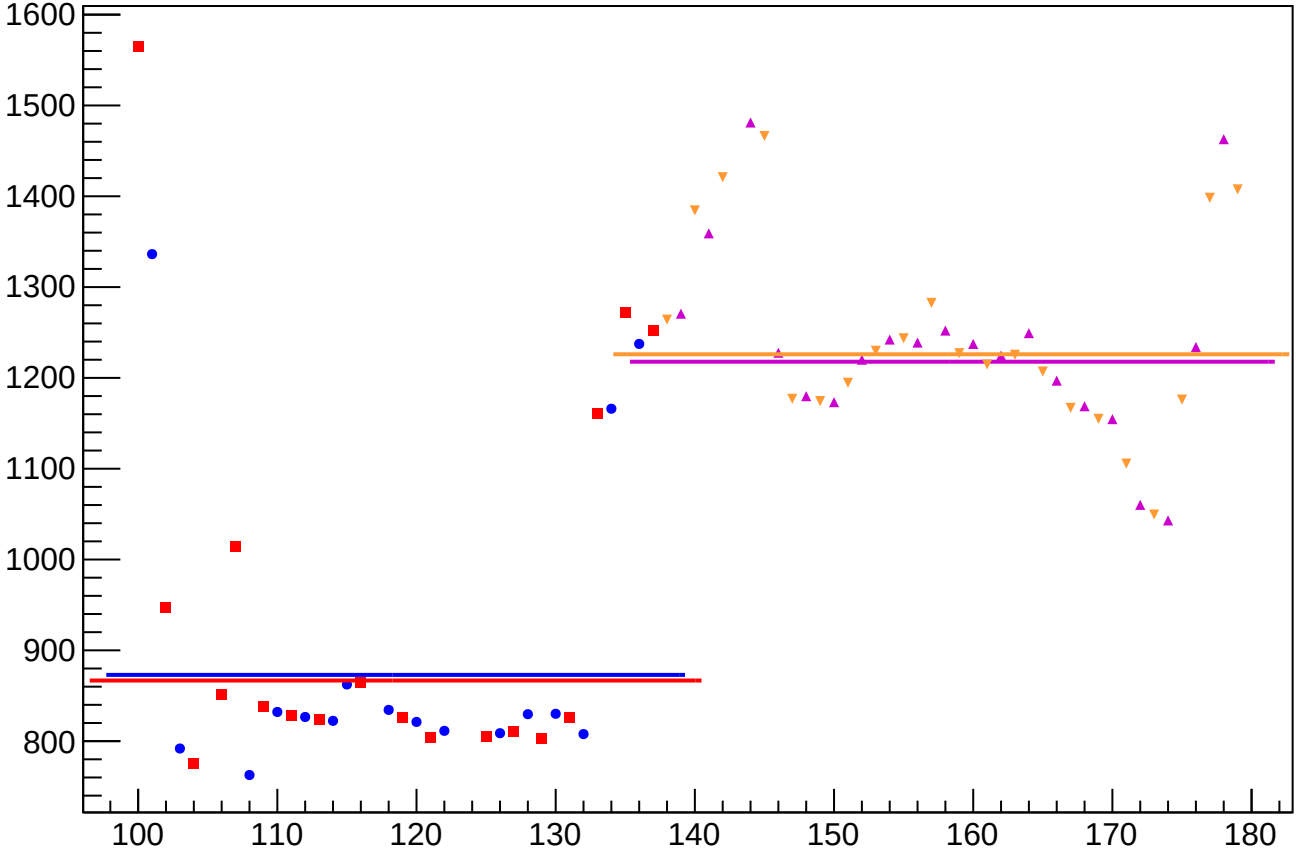
Left In: 574.380+/-302.498 χ^2/NDF:9.6/19

+ sign 366.872+/-222.668 χ^2/NDF: 58.9/36

All: 390.631+/-157.352 χ^2/NDF: 92.1/74

- sign 414.330+/-222.390 χ^2/NDF: 33.1/37

eigen_dit_asym_usl_atl2_dd_rms vs Slug



Right In: 872.972+/-0.233 χ^2/NDF: 417098.9/15

Left Out: 1226.020+/-0.213 χ^2/NDF:221858.5/20

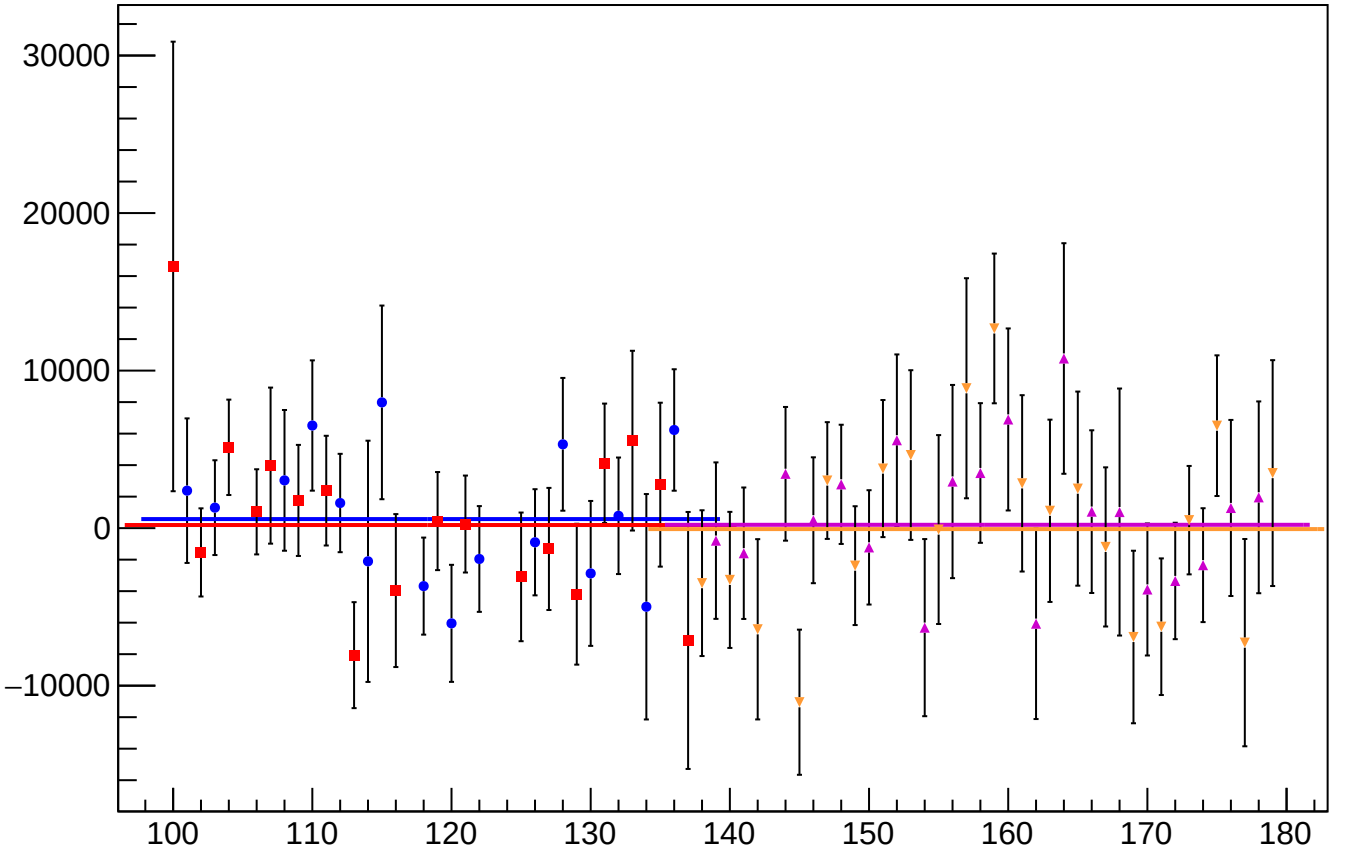
Right Out: 866.772+/-0.232 χ^2/NDF: 290386.6/17

Left In: 1217.810+/-0.214 χ^2/NDF:223541.3/19

+ sign 1065.366+/-0.157 χ^2/NDF: 1885756.6/36

All: 1060.840+/-0.111 χ^2/NDF: 3640289.2/74

- sign 1056.330+/-0.157 χ^2/NDF: 1752883.3/37



Right In: 575.266+/-984.885 χ^2/NDF: 14.7/15

Left Out: -60.441+/-1058.805 χ^2/NDF:27.2/20

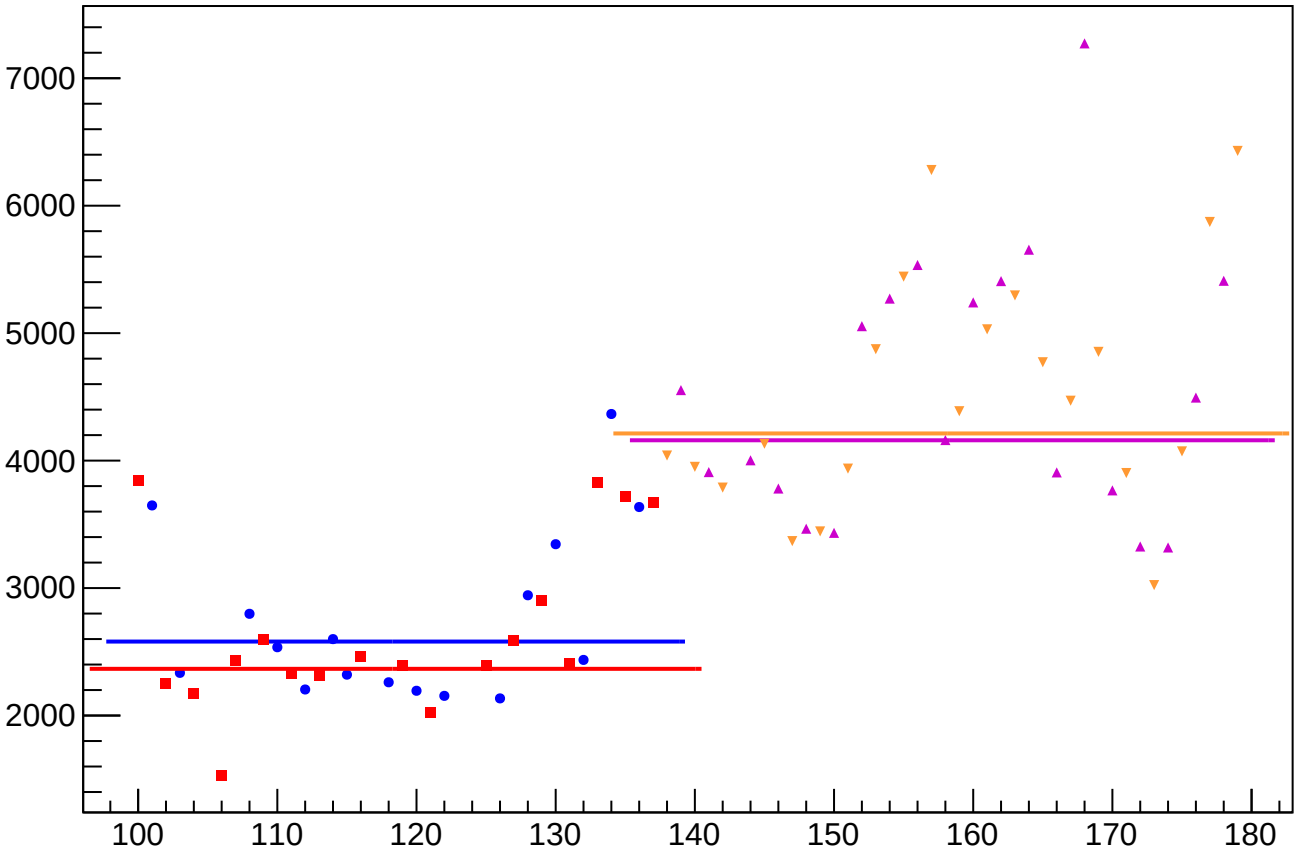
Right Out: 197.955+/-894.119 χ^2/NDF: 17.2/17

Left In: 211.880+/-1053.985 χ^2/NDF:11.5/19

\+ sign 280.376+/-721.137 χ^2/NDF: 42.1/36

All: 239.935+/-495.439 χ^2/NDF: 70.9/74

\- sign 203.782+/-681.828 χ^2/NDF: 28.7/37



Right In: 2580.368+/-0.696 χ^2/NDF: 617163.3/15

Left Out: 4213.113+/-0.749 χ^2/NDF:1240277.8/20

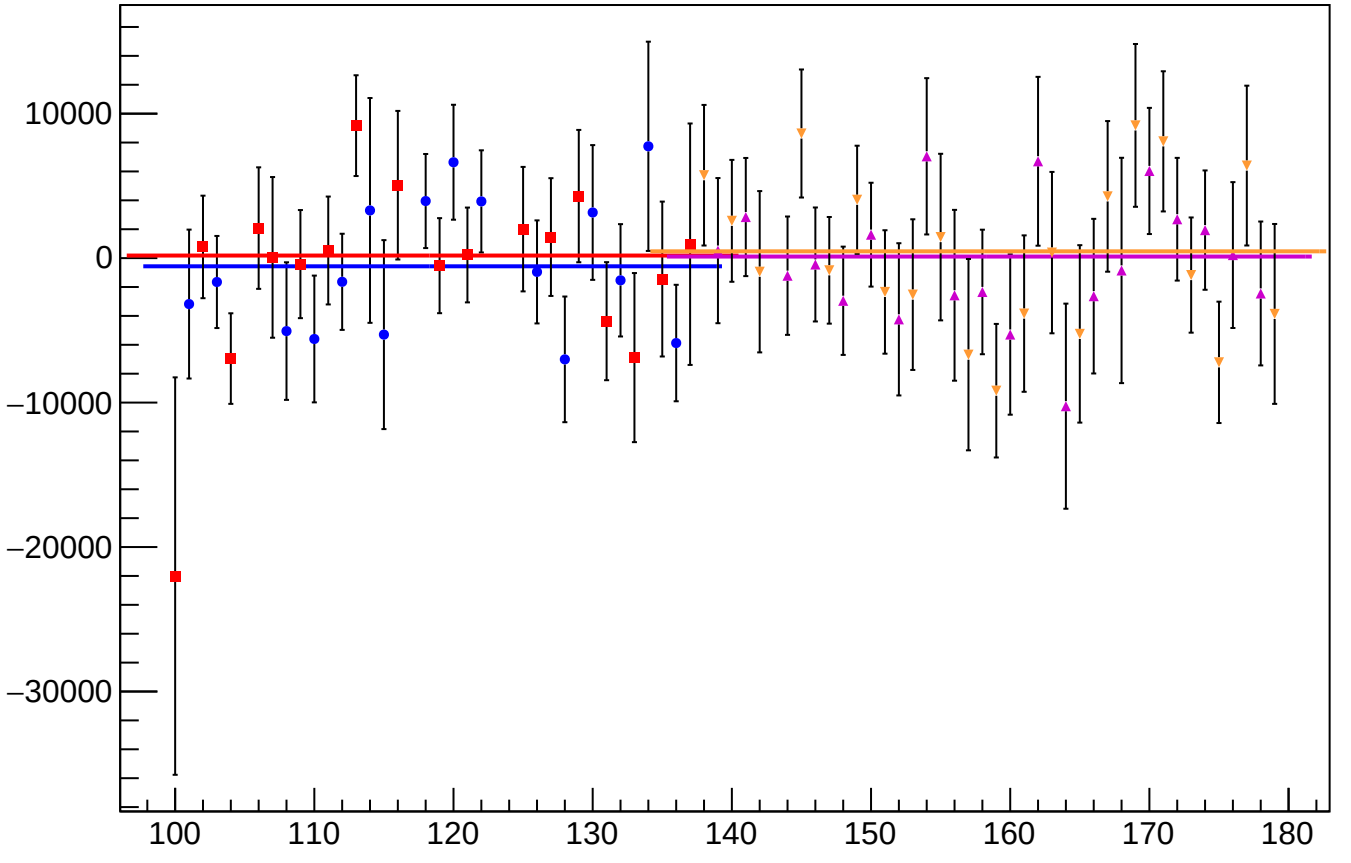
Right Out: 2366.405+/-0.632 χ^2/NDF: 611698.8/17

Left In: 4159.529+/-0.745 χ^2/NDF:1298763.7/19

+ sign 3337.762+/-0.510 χ^2/NDF: 4407197.1/36

All: 3221.097+/-0.350 χ^2/NDF: 9783011.3/74

- sign 3116.804+/-0.482 χ^2/NDF: 5276674.9/37



Right In: -566.096+/-1040.314 χ^2/NDF: 16.2/15

Left Out: 470.357+/-1054.700 χ^2/NDF:24.3/20

Right Out: 178.586+/-988.392 χ^2/NDF: 19.5/17

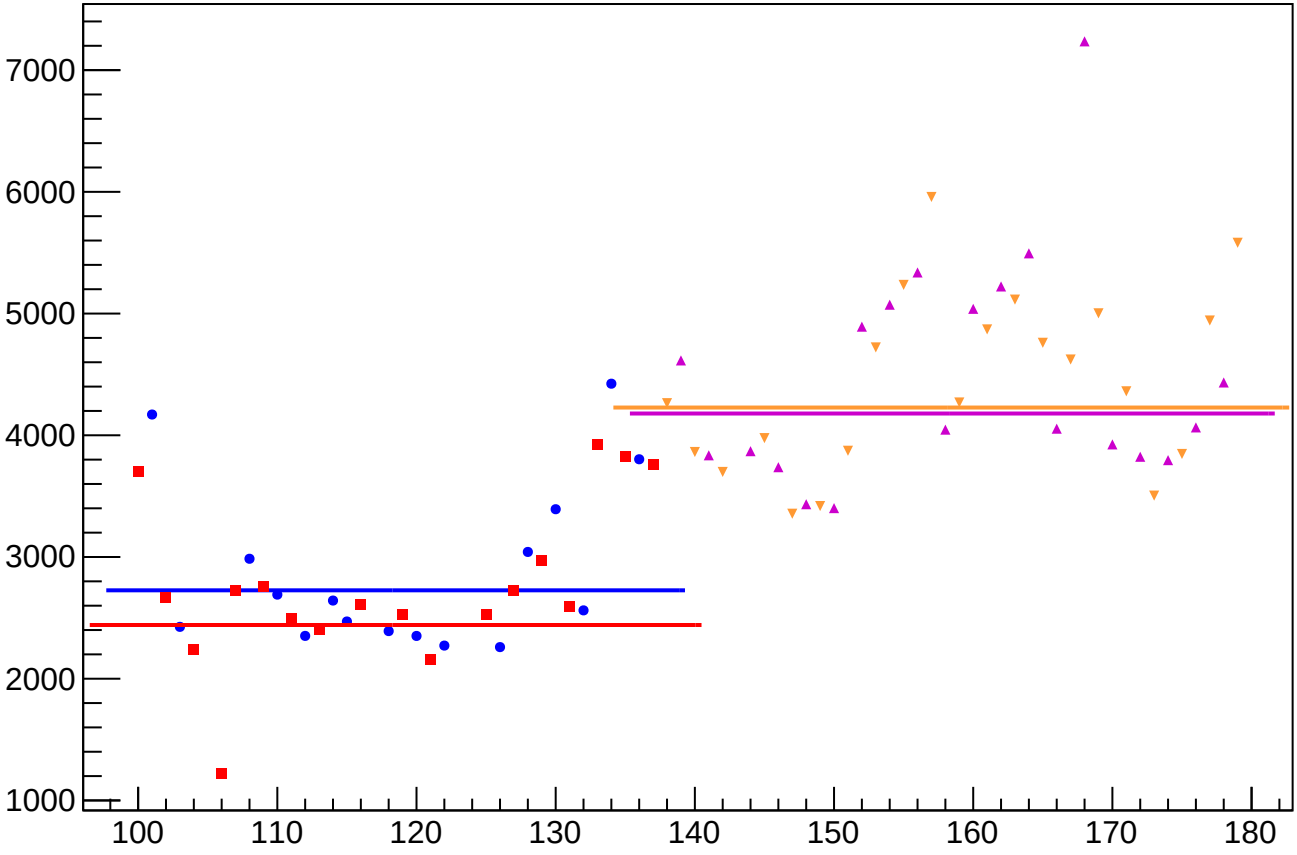
Left In: 108.404+/-1052.056 χ^2/NDF:11.6/19

+ sign -54.986+/-740.647 χ^2/NDF: 41.0/36

All: 48.135+/-516.393 χ^2/NDF: 72.1/74

- sign 145.683+/-720.355 χ^2/NDF: 31.1/37

asym_usl_atl2_dd_rms vs Slug



Right In: 2726.231+/-0.736 χ^2/NDF: 623079.8/15

Left Out: 4227.924+/-0.746 χ^2/NDF:828803.6/20

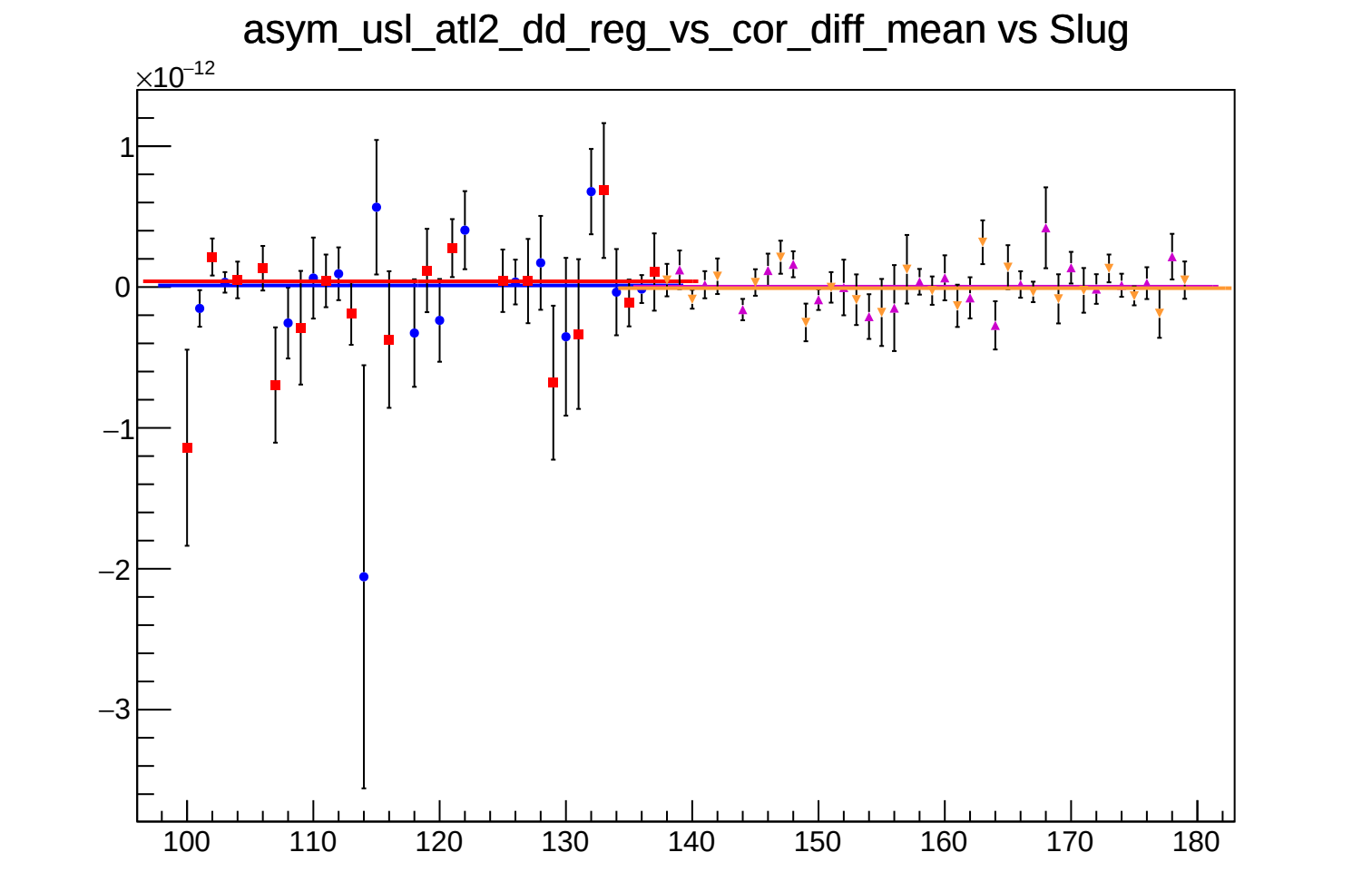
Right Out: 2441.363+/-0.667 χ^2/NDF: 891132.7/17

Left In: 4178.829+/-0.744 χ^2/NDF:941508.3/19

+ sign 3466.766+/-0.524 χ^2/NDF: 3506963.9/36

All: 3334.501+/-0.360 χ^2/NDF: 8484898.1/74

- sign 3215.583+/-0.497 χ^2/NDF: 4856806.8/37



Right In: 0.000+/-0.000 χ^2/NDF: 15.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.4/20

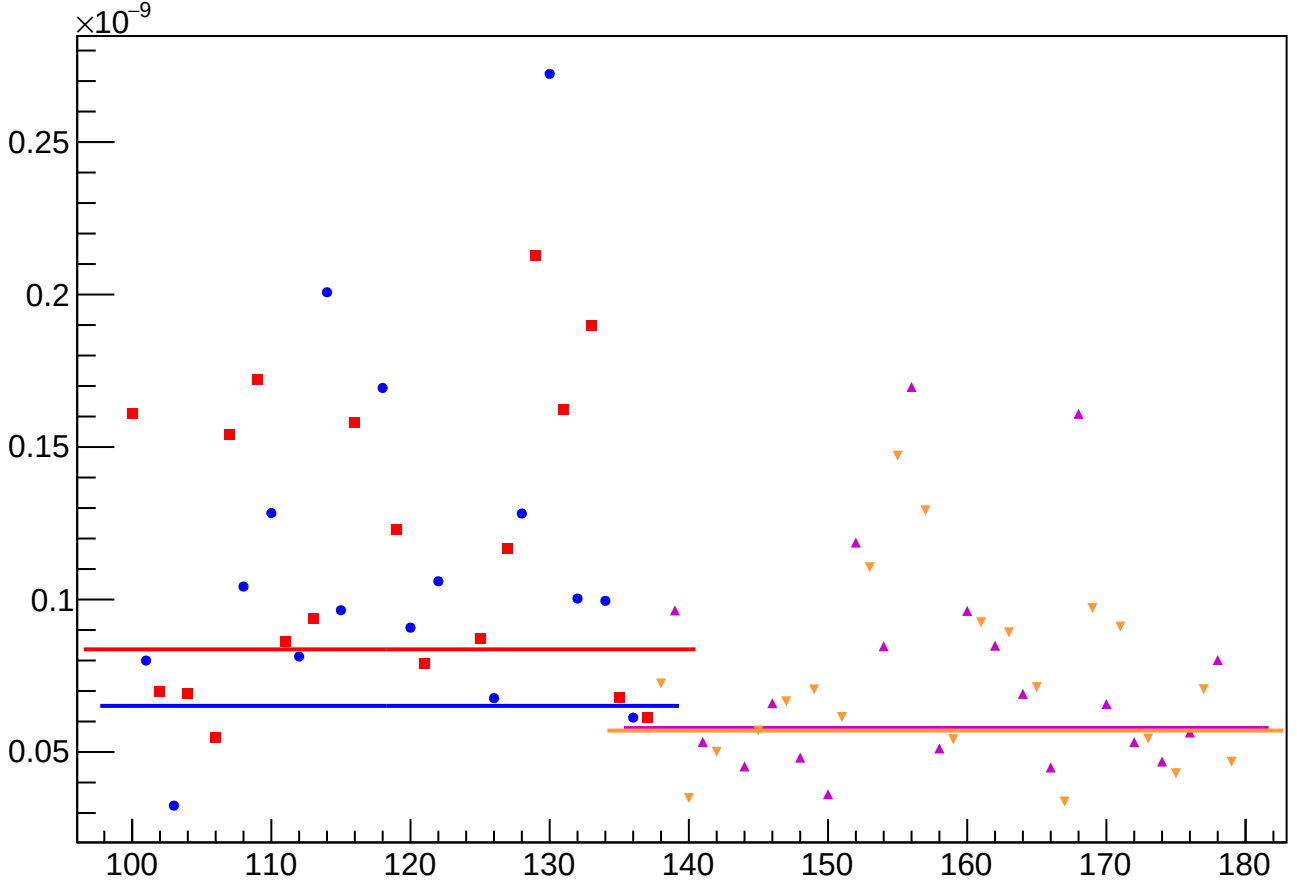
Right Out: 0.000+/-0.000 χ^2/NDF: 17.0/17

Left In: 0.000+/-0.000 χ^2/NDF:21.5/19

+ sign -0.000+/-0.000 χ^2/NDF: 35.9/36

All: 0.000+/-0.000 χ^2/NDF: 75.0/74

- sign 0.000+/-0.000 χ^2/NDF: 38.9/37



Right In: 0.000+/-0.000 χ^2/NDF: 1222613.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1669702.3/20

Right Out: 0.000+/-0.000 χ^2/NDF: 691494.7/17

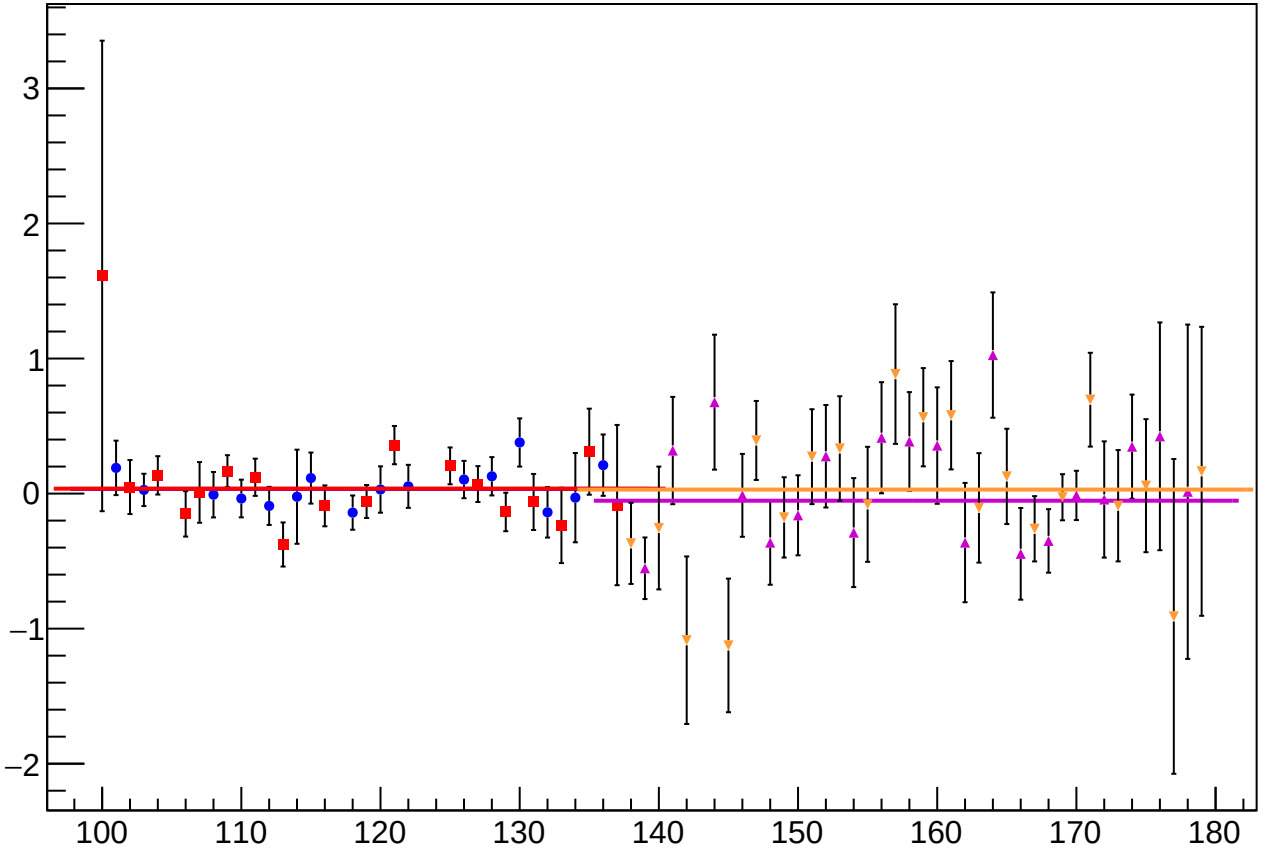
Left In: 0.000+/-0.000 χ^2/NDF:1525924.3/19

+ sign 0.000+/-0.000 χ^2/NDF: 2943632.4/36

All: 0.000+/-0.000 χ^2/NDF: 5570072.4/74

- sign 0.000+/-0.000 χ^2/NDF: 2600073.9/37

asym_usl_atl2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: 0.030+/-0.077 χ^2/NDF:27.0/20

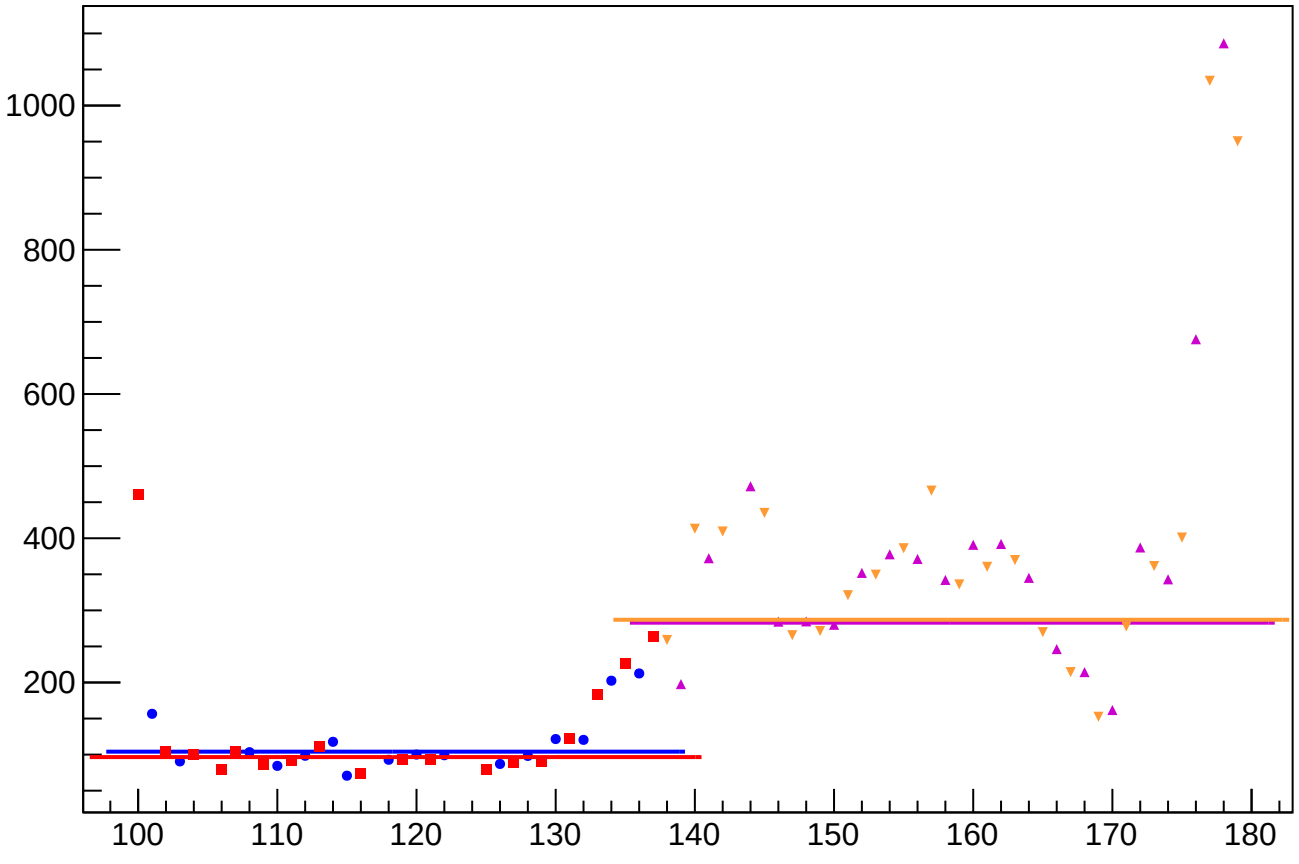
Right Out: 0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: -0.053+/-0.076 χ^2/NDF:24.0/19

+ sign 0.034+/-0.036 χ^2/NDF: 36.7/36

All: 0.025+/-0.025 χ^2/NDF: 83.9/74

- sign 0.018+/-0.035 χ^2/NDF: 47.1/37



Right In: 104.099+/-0.029 χ^2/NDF: 989856.1/15

Left Out: 286.993+/-0.054 χ^2/NDF:4242715.5/20

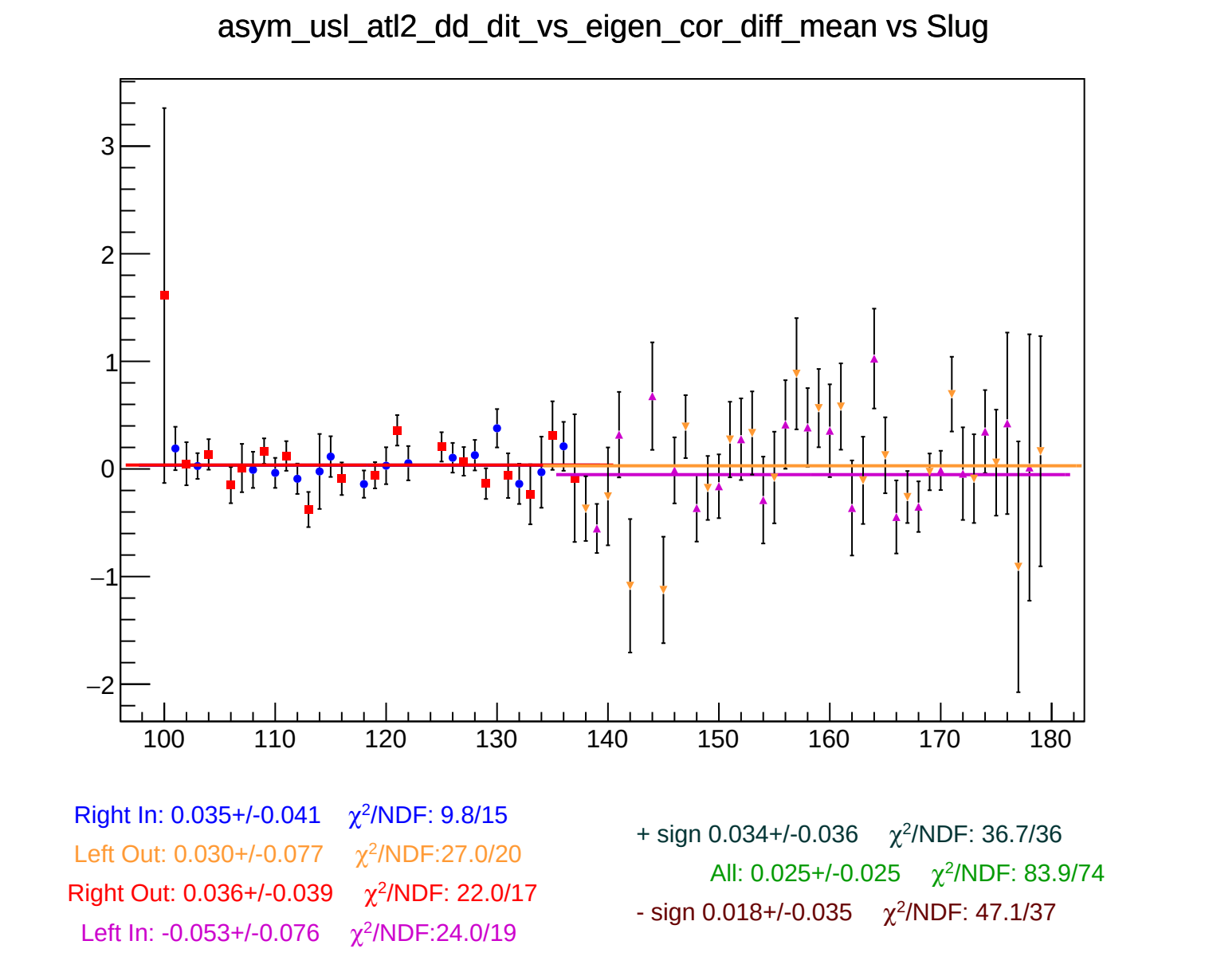
Right Out: 96.569+/-0.028 χ^2/NDF: 955547.2/17

Left In: 282.930+/-0.054 χ^2/NDF:3788604.8/19

+ sign 144.586+/-0.026 χ^2/NDF: 14029332.7/36

All: 139.831+/-0.018 χ^2/NDF: 28425808.7/74

- sign 135.488+/-0.024 χ^2/NDF: 14330468.3/37


asym_usl_atl2_dd_dit_vs_eigen_cor_diff_mean vs Slug
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110
120
130
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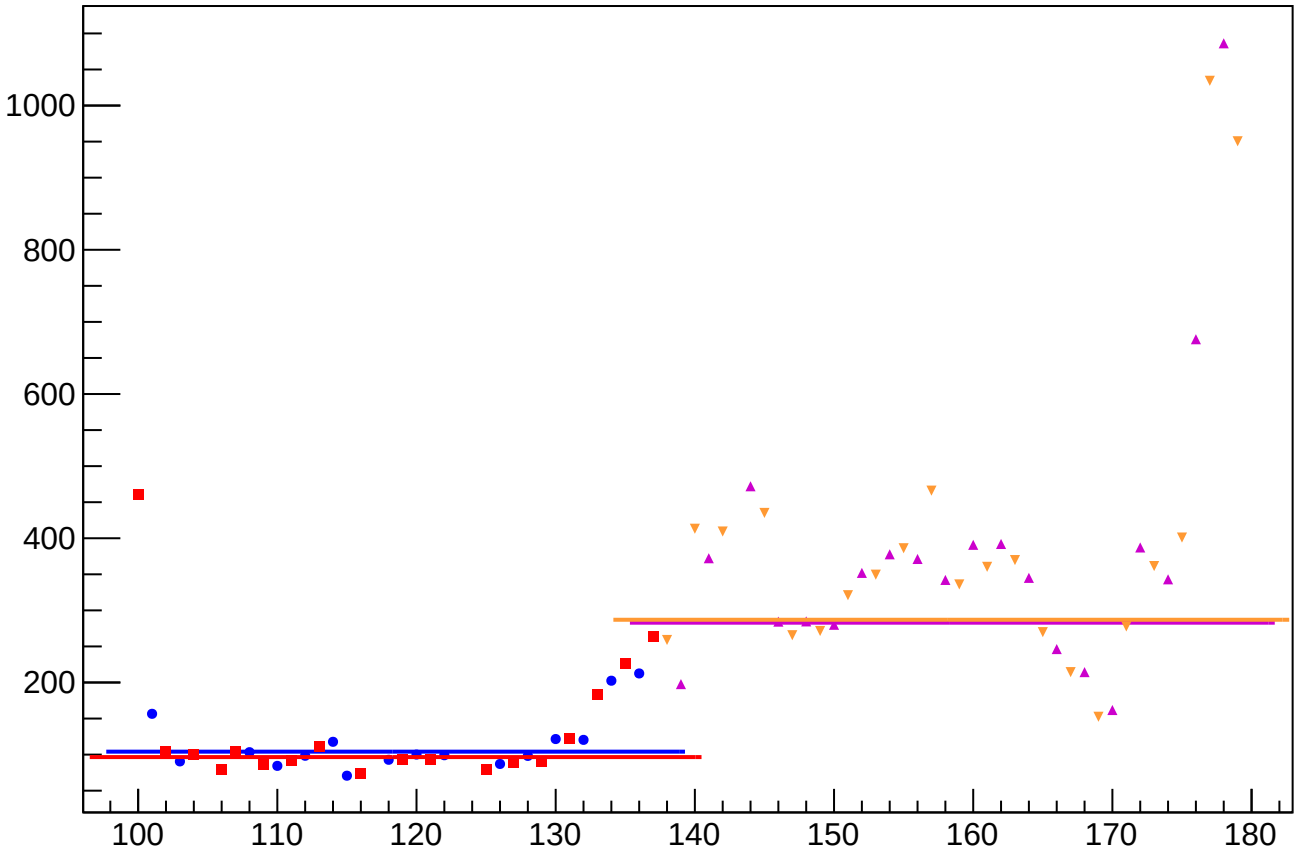
150
160
170
180
Right In: 0.035+/-0.041 χ²/NDF: 9.8/15
Left Out: 0.030+/-0.077 χ²/NDF:27.0/20
Right Out: 0.036+/-0.039 χ²/NDF: 22.0/17
Left In: -0.053+/-0.076 χ²/NDF:24.0/19
+ sign 0.034+/-0.036 χ²/NDF: 36.7/36
All: 0.025+/-0.025 χ²/NDF: 83.9/74
- sign 0.018+/-0.035 χ²/NDF: 47.1/37



Right In: 104.099+/-0.029 χ^2/NDF: 989856.1/15

Left Out: 286.993+/-0.054 χ^2/NDF:4242715.5/20

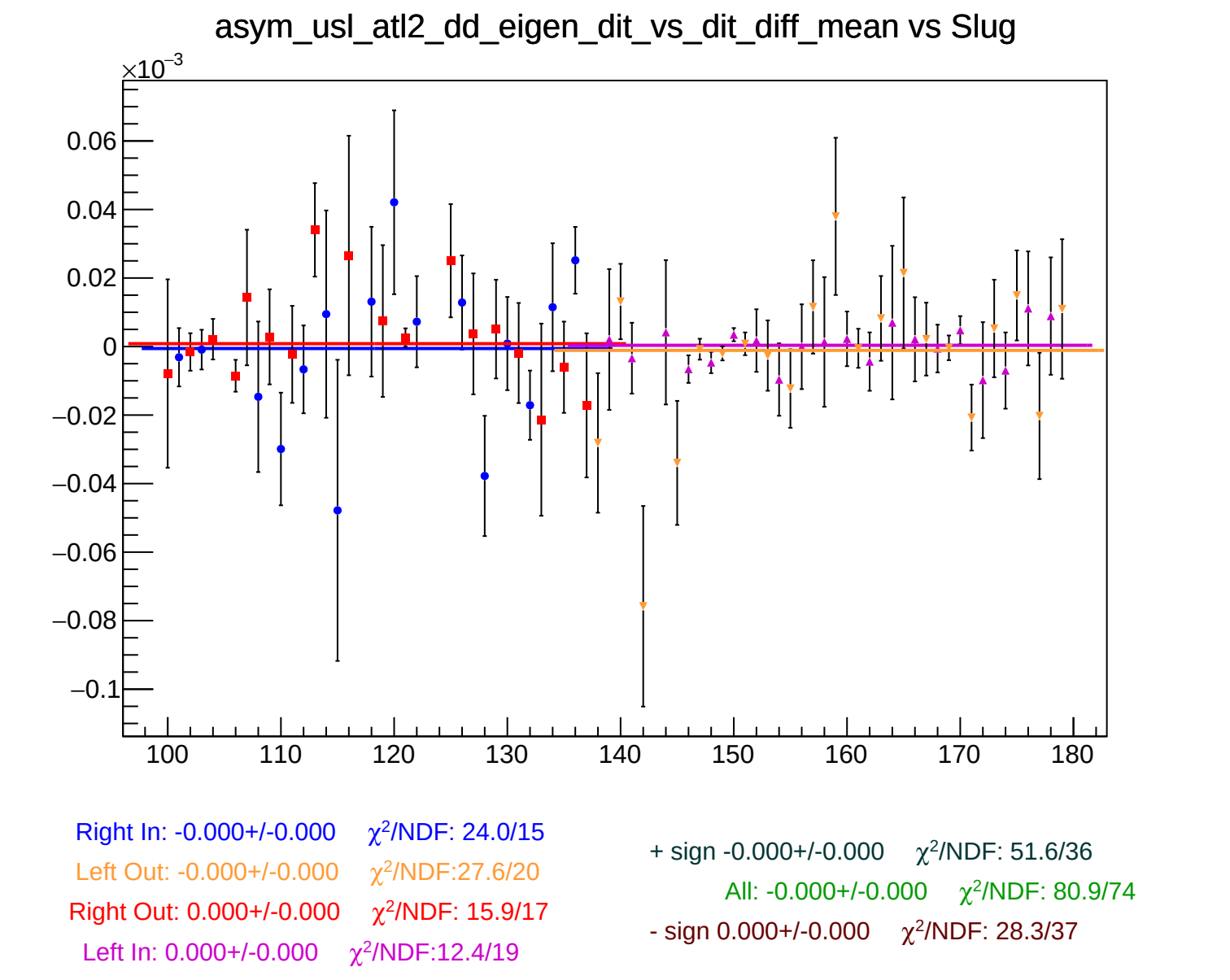
Right Out: 96.569+/-0.028 χ^2/NDF: 955547.2/17

Left In: 282.930+/-0.054 χ^2/NDF:3788604.8/19

+ sign 144.586+/-0.026 χ^2/NDF: 14029332.7/36

All: 139.831+/-0.018 χ^2/NDF: 28425808.7/74

- sign 135.488+/-0.024 χ^2/NDF: 14330468.3/37


asym_usl_atl2_dd_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.06
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−0.02
−0.04
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−0.08
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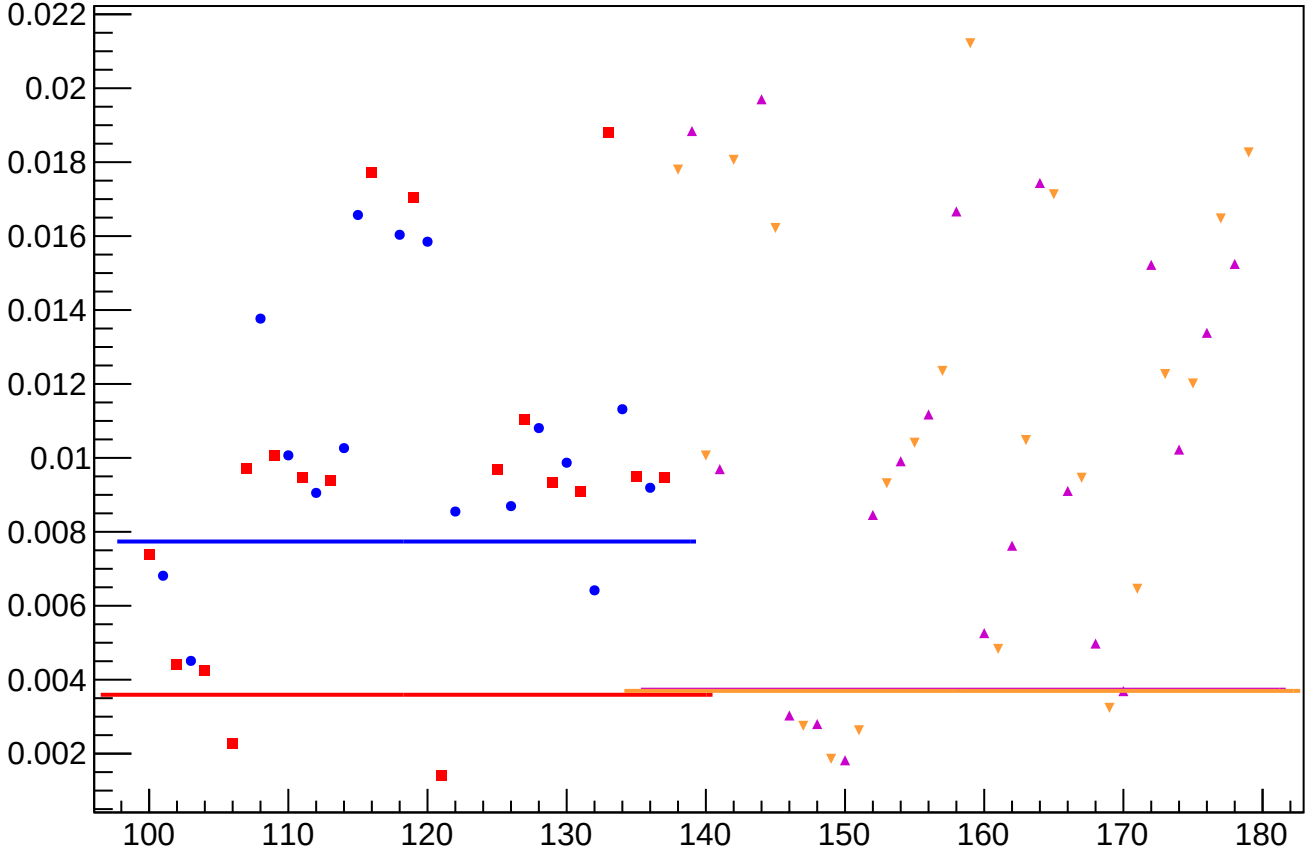
Right In: -0.000+/-0.000 χ²/NDF: 24.0/15
Left Out: -0.000+/-0.000 χ²/NDF:27.6/20
Right Out: 0.000+/-0.000 χ²/NDF: 15.9/17
Left In: 0.000+/-0.000 χ²/NDF:12.4/19
+ sign -0.000+/-0.000 χ²/NDF: 51.6/36
All: -0.000+/-0.000 χ²/NDF: 80.9/74
- sign 0.000+/-0.000 χ²/NDF: 28.3/37

asym_usl_atl2_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 1701473.5/15

Left Out: 0.004+/-0.000 χ^2/NDF:14071754.2/20

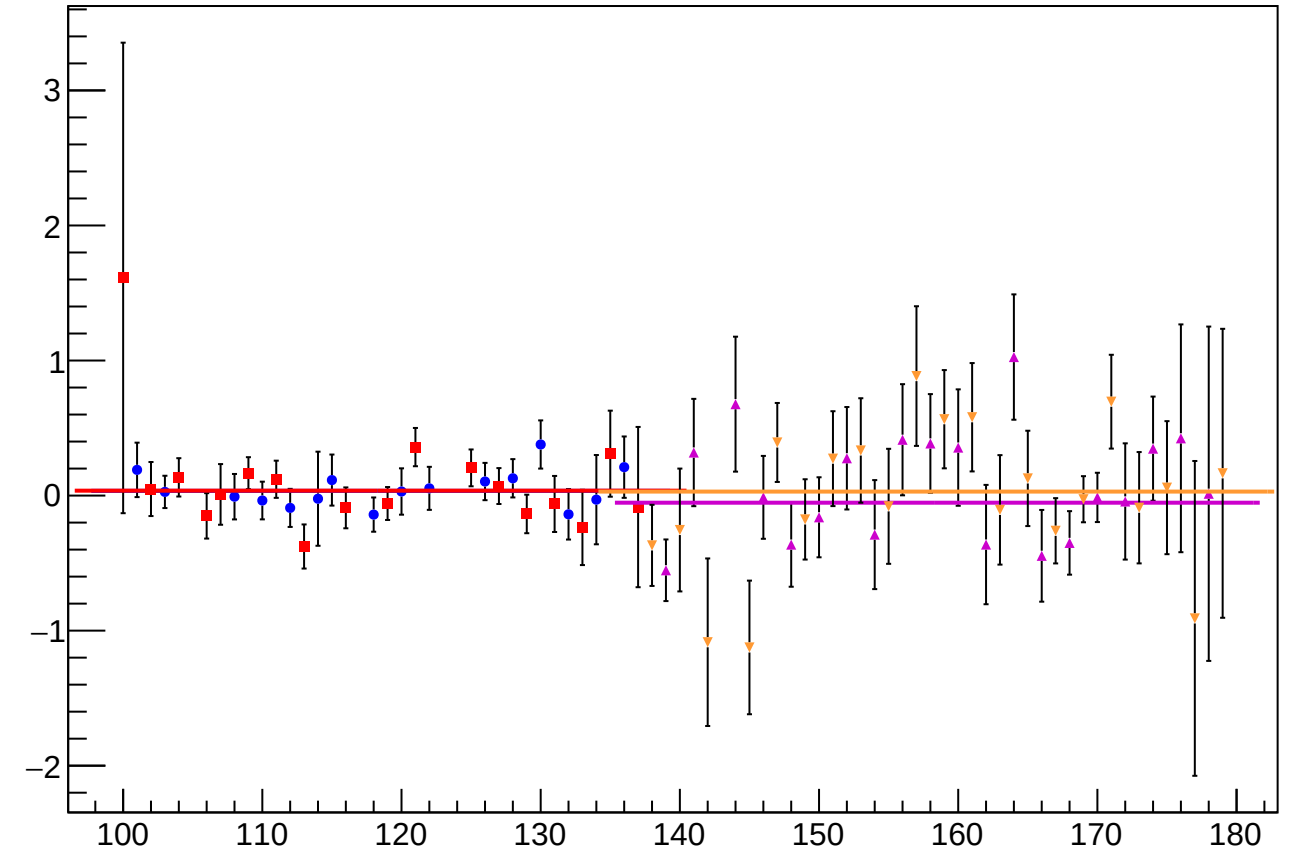
Right Out: 0.004+/-0.000 χ^2/NDF: 6364883.4/17

Left In: 0.004+/-0.000 χ^2/NDF:12858545.2/19

+ sign 0.004+/-0.000 χ^2/NDF: 18670075.6/36

All: 0.004+/-0.000 χ^2/NDF: 38175905.5/74

- sign 0.004+/-0.000 χ^2/NDF: 19230946.0/37



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: 0.030+/-0.077 χ^2/NDF:27.0/20

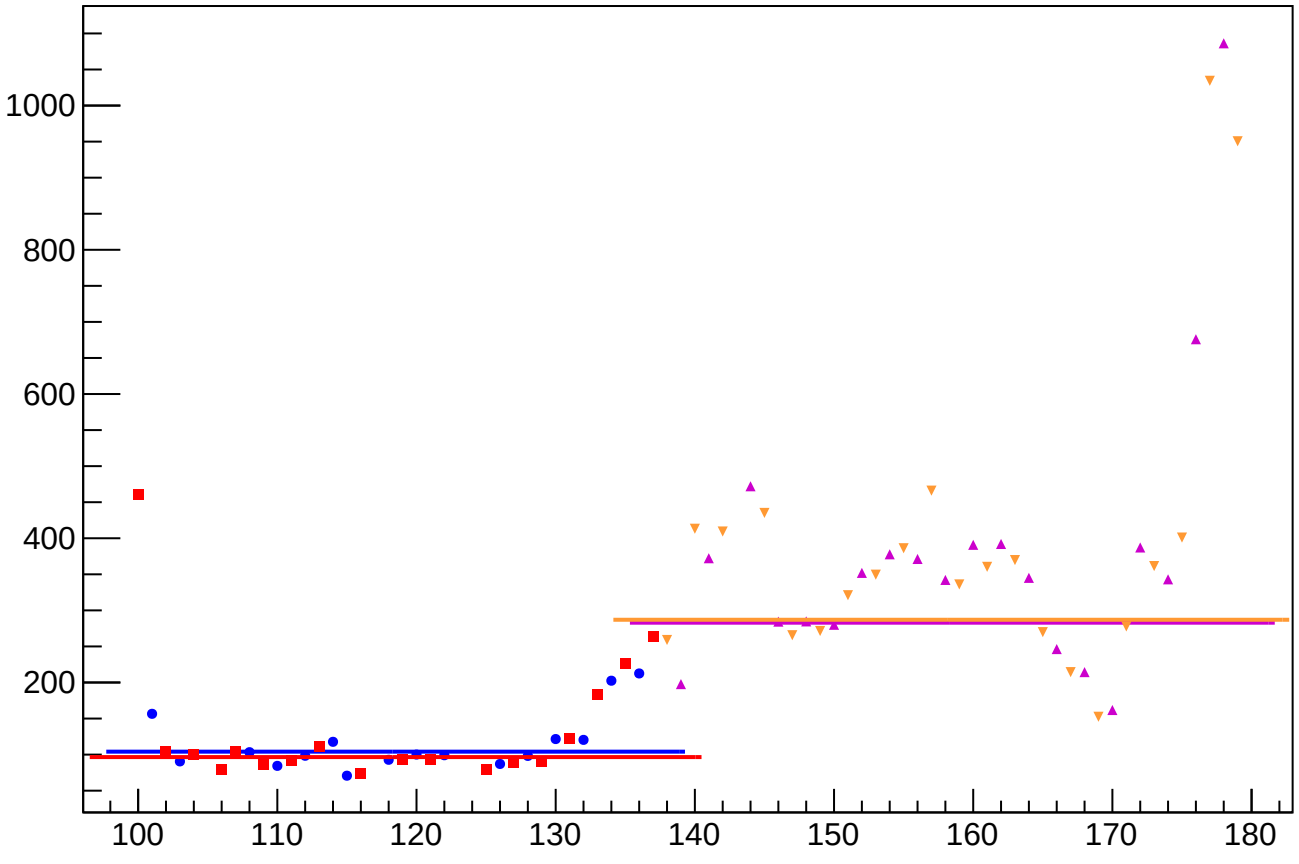
Right Out: 0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: -0.053+/-0.076 χ^2/NDF:24.0/19

+ sign 0.034+/-0.036 χ^2/NDF: 36.7/36

All: 0.025+/-0.025 χ^2/NDF: 83.9/74

- sign 0.018+/-0.035 χ^2/NDF: 47.1/37



Right In: 104.100+/-0.029 χ^2/NDF: 989809.0/15

Left Out: 286.994+/-0.054 χ^2/NDF:4242774.0/20

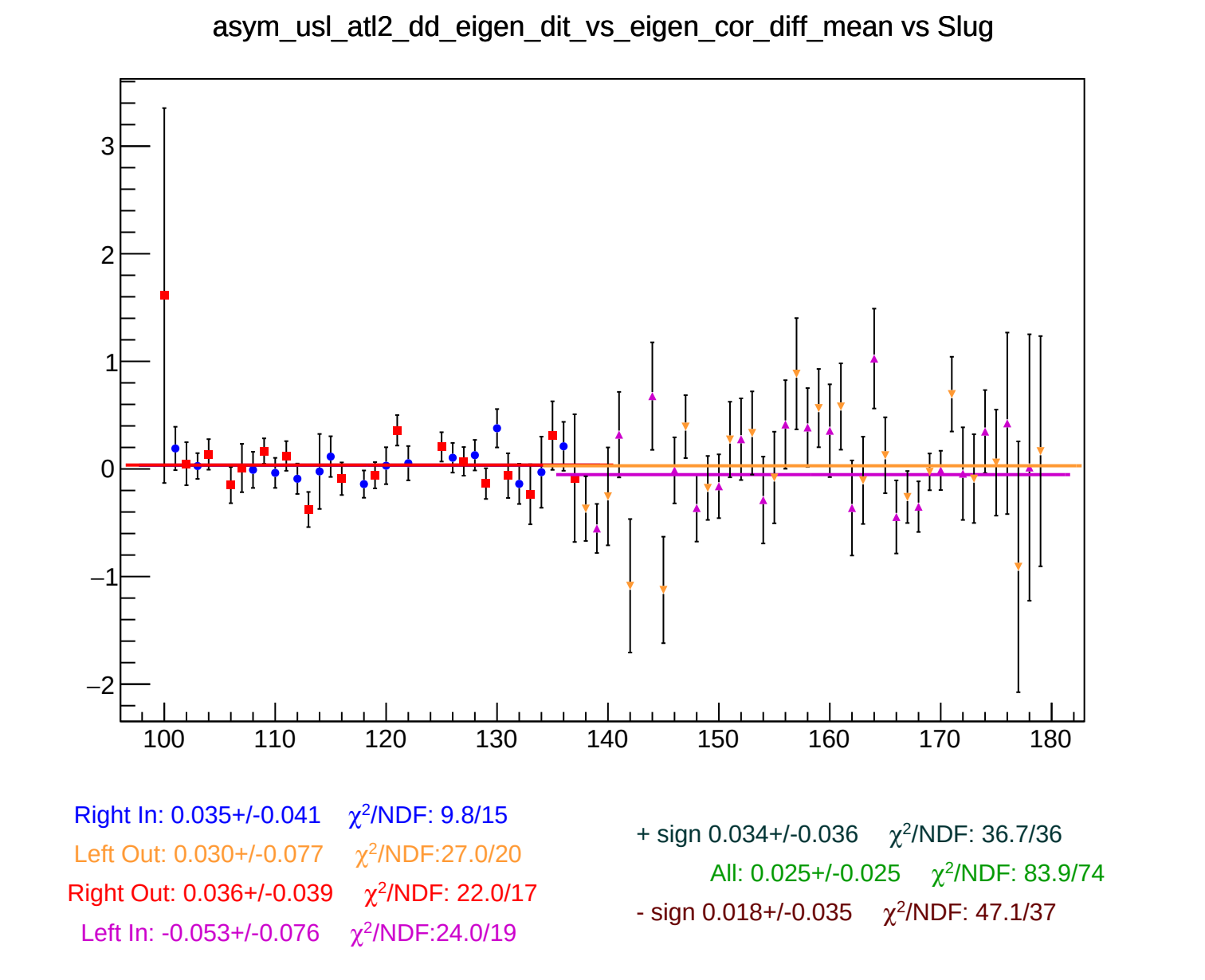
Right Out: 96.570+/-0.028 χ^2/NDF: 955477.2/17

Left In: 282.934+/-0.054 χ^2/NDF:3788563.8/19

+ sign 144.587+/-0.026 χ^2/NDF: 14029309.0/36

All: 139.832+/-0.018 χ^2/NDF: 28425662.9/74

- sign 135.490+/-0.024 χ^2/NDF: 14330355.9/37


asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
3
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120
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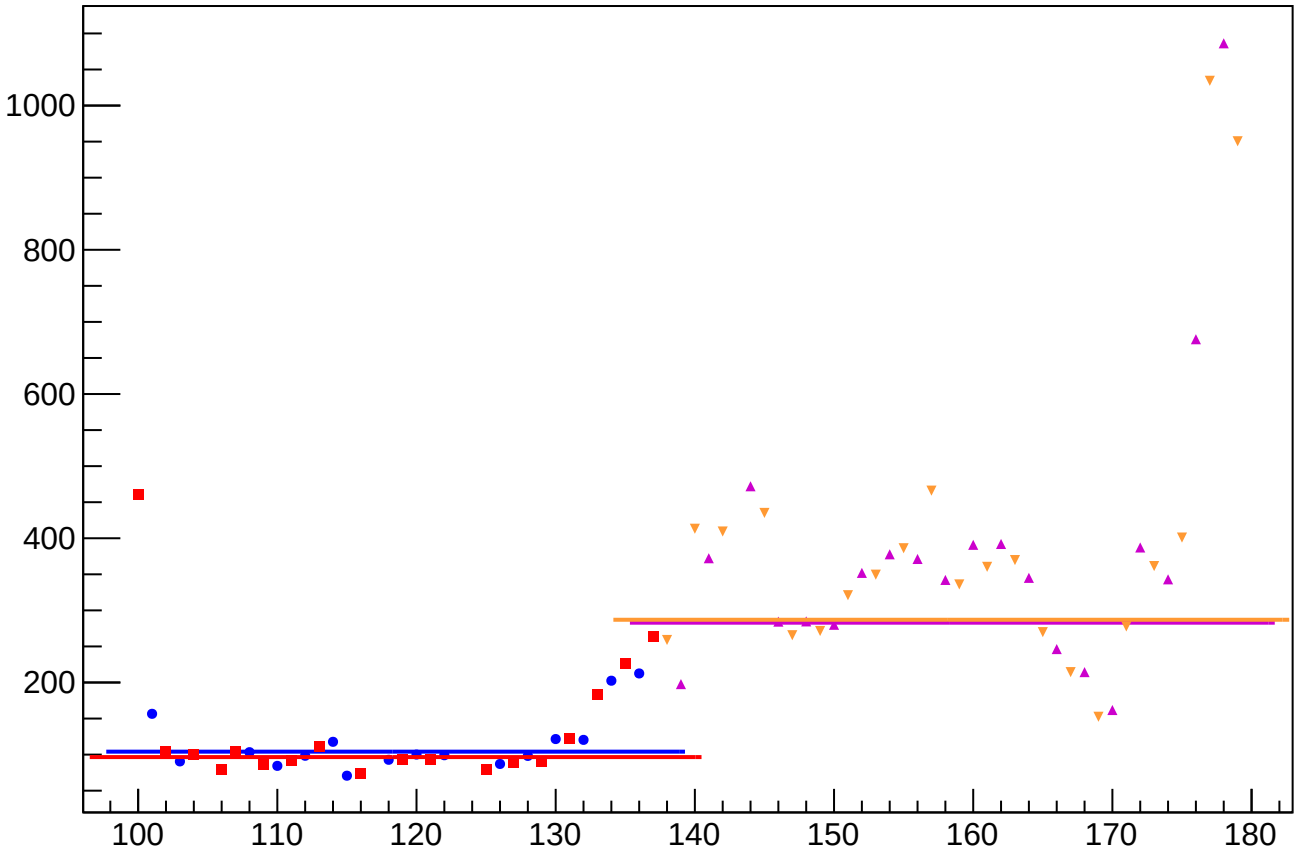
160
170
180
Right In: 0.035+/-0.041 χ²/NDF: 9.8/15
Left Out: 0.030+/-0.077 χ²/NDF:27.0/20
Right Out: 0.036+/-0.039 χ²/NDF: 22.0/17
Left In: -0.053+/-0.076 χ²/NDF:24.0/19
+ sign 0.034+/-0.036 χ²/NDF: 36.7/36
All: 0.025+/-0.025 χ²/NDF: 83.9/74
- sign 0.018+/-0.035 χ²/NDF: 47.1/37



Right In: 104.100+/-0.029 χ^2/NDF: 989809.0/15

Left Out: 286.994+/-0.054 χ^2/NDF:4242774.0/20

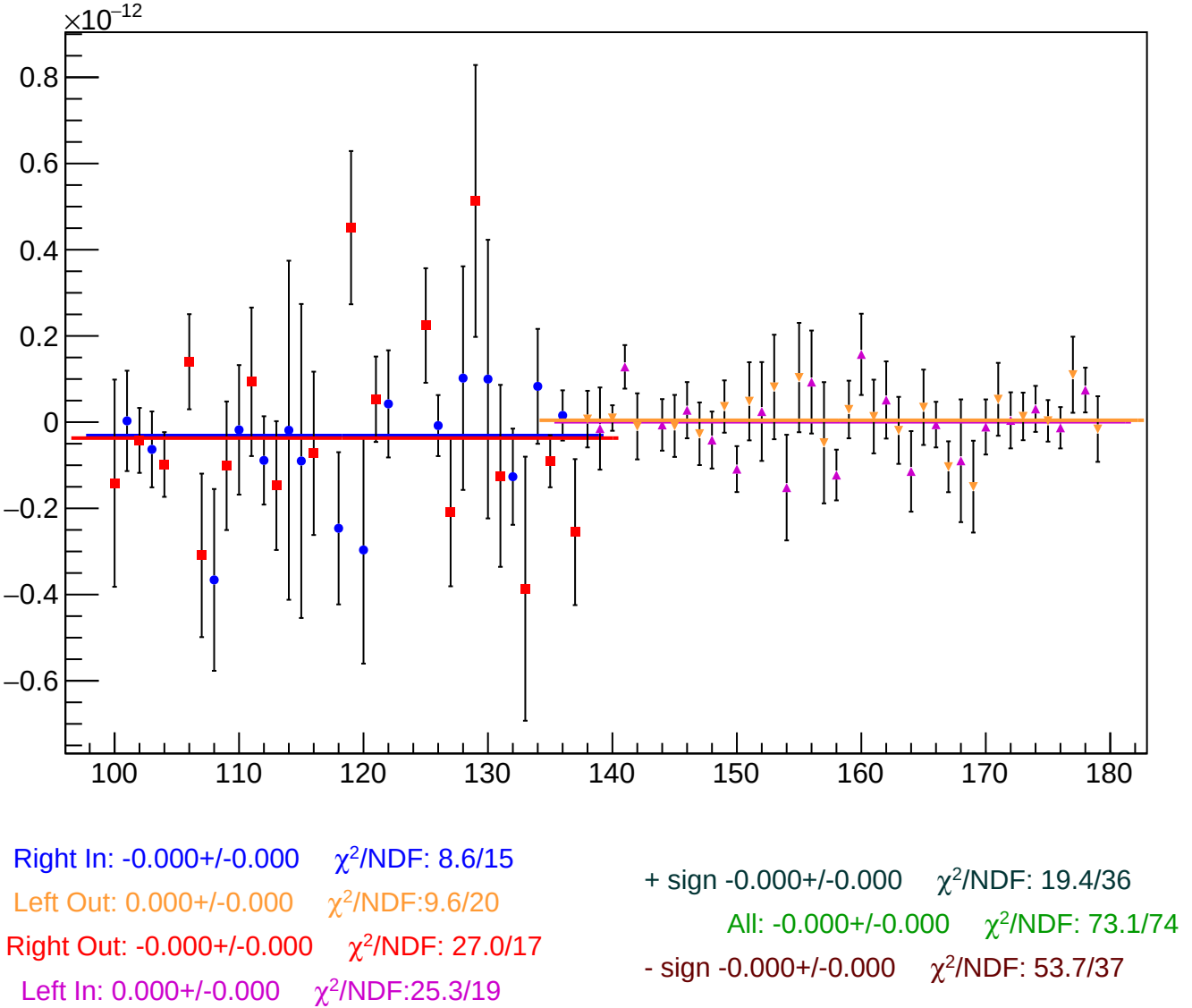
Right Out: 96.570+/-0.028 χ^2/NDF: 955477.2/17

Left In: 282.934+/-0.054 χ^2/NDF:3788563.8/19

+ sign 144.587+/-0.026 χ^2/NDF: 14029309.0/36

All: 139.832+/-0.018 χ^2/NDF: 28425662.9/74

- sign 135.490+/-0.024 χ^2/NDF: 14330355.9/37


asym_usl_atl2_dd_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
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0.6
0.4
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0
−0.2
−0.4
−0.6
100
110
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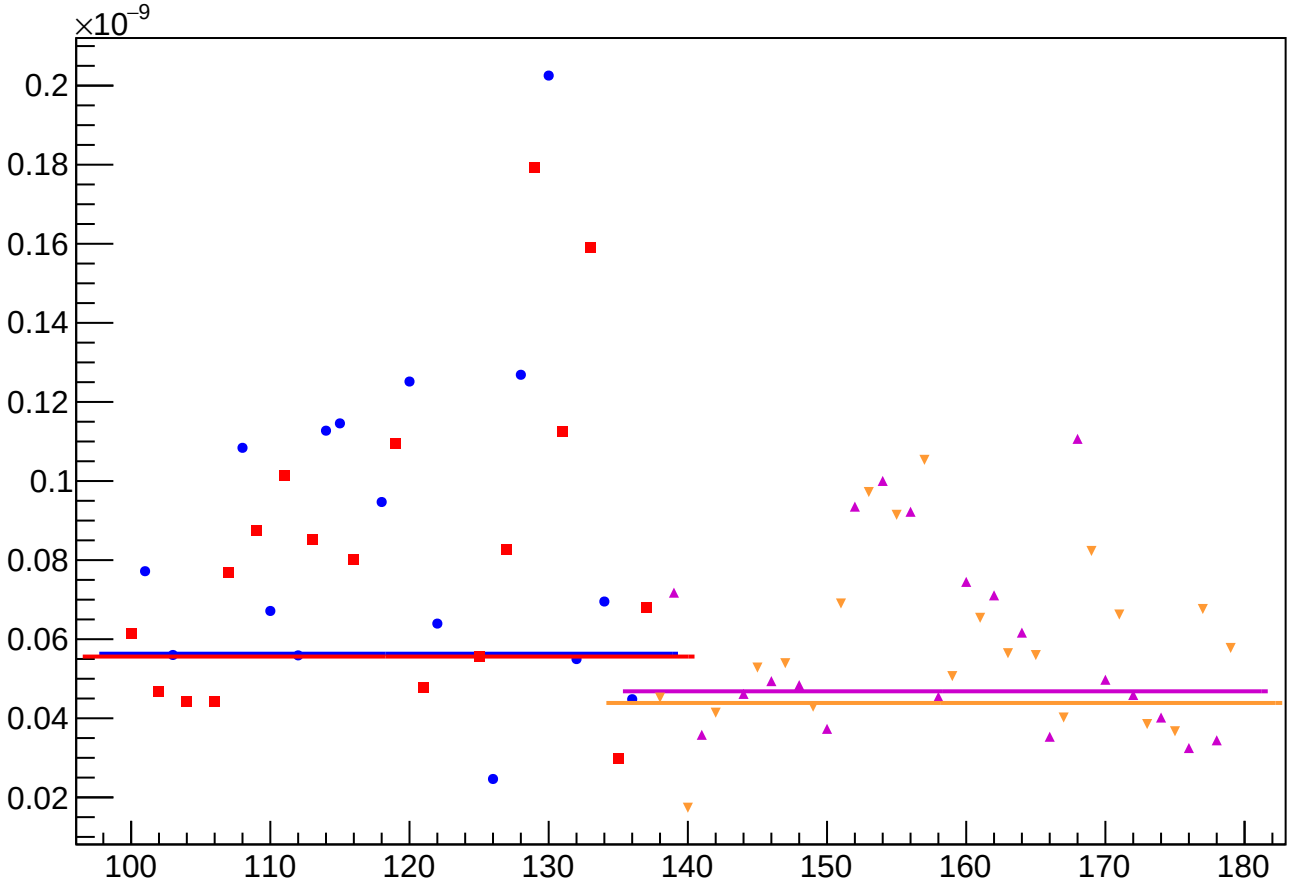
160
170
180
Right In: -0.000+/-0.000 χ²/NDF: 8.6/15
Left Out: 0.000+/-0.000 χ²/NDF:9.6/20
Right Out: -0.000+/-0.000 χ²/NDF: 27.0/17
Left In: 0.000+/-0.000 χ²/NDF:25.3/19
+ sign -0.000+/-0.000 χ²/NDF: 19.4/36
All: -0.000+/-0.000 χ²/NDF: 73.1/74
- sign -0.000+/-0.000 χ²/NDF: 53.7/37



Right In: 0.000+/-0.000 χ^2/NDF: 1582688.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:3800174.3/20

Right Out: 0.000+/-0.000 χ^2/NDF: 1767462.9/17

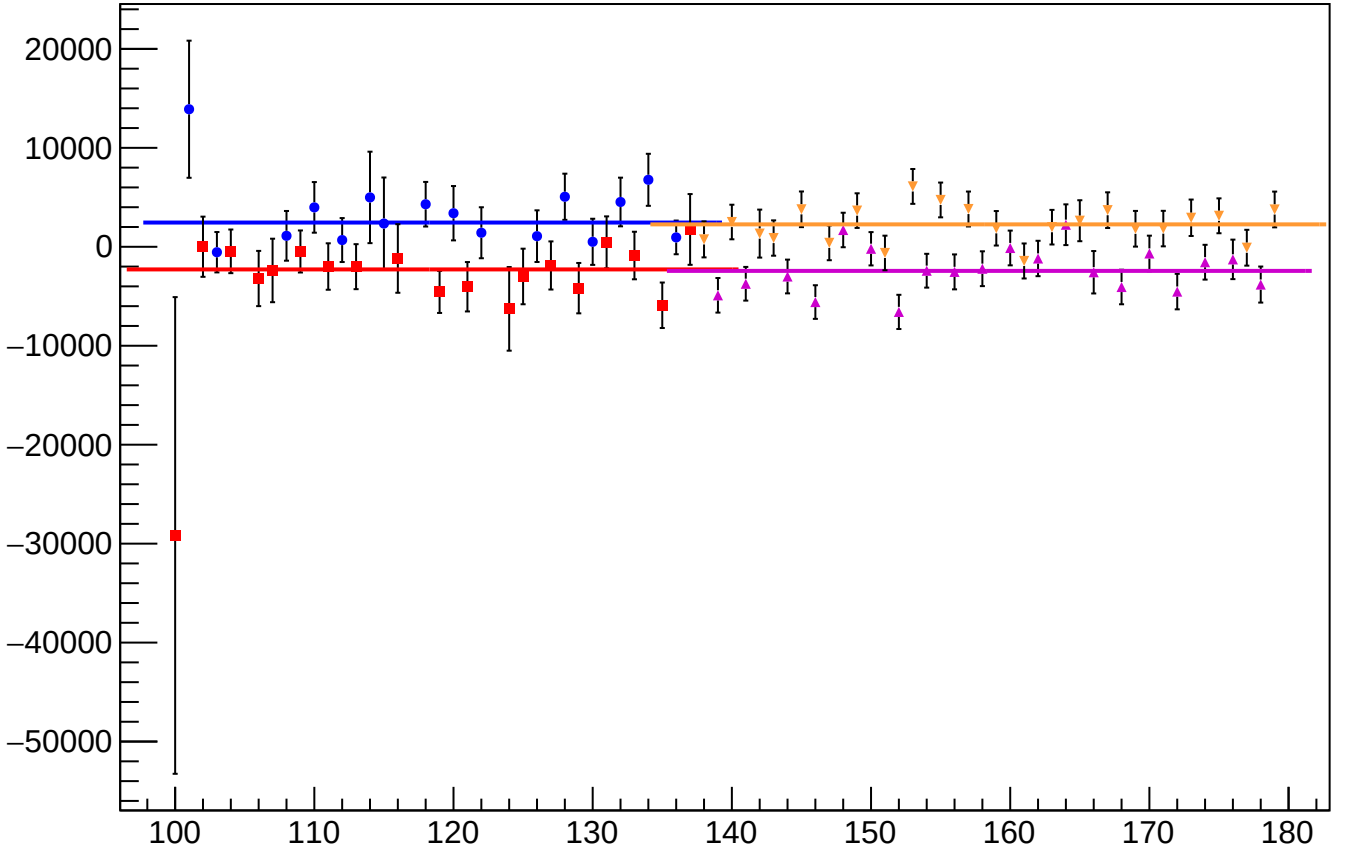
Left In: 0.000+/-0.000 χ^2/NDF:2492580.8/19

+ sign 0.000+/-0.000 χ^2/NDF: 5668871.4/36

All: 0.000+/-0.000 χ^2/NDF: 10108930.4/74

- sign 0.000+/-0.000 χ^2/NDF: 4407207.2/37

reg_asym_usr_atr1_avg_mean vs Slug



Right In: 2449.957+/-630.235 χ^2/NDF: 13.8/15

Left Out: 2266.221+/-385.477 χ^2/NDF:22.2/21

Right Out: -2286.573+/-609.157 χ^2/NDF: 11.8/18

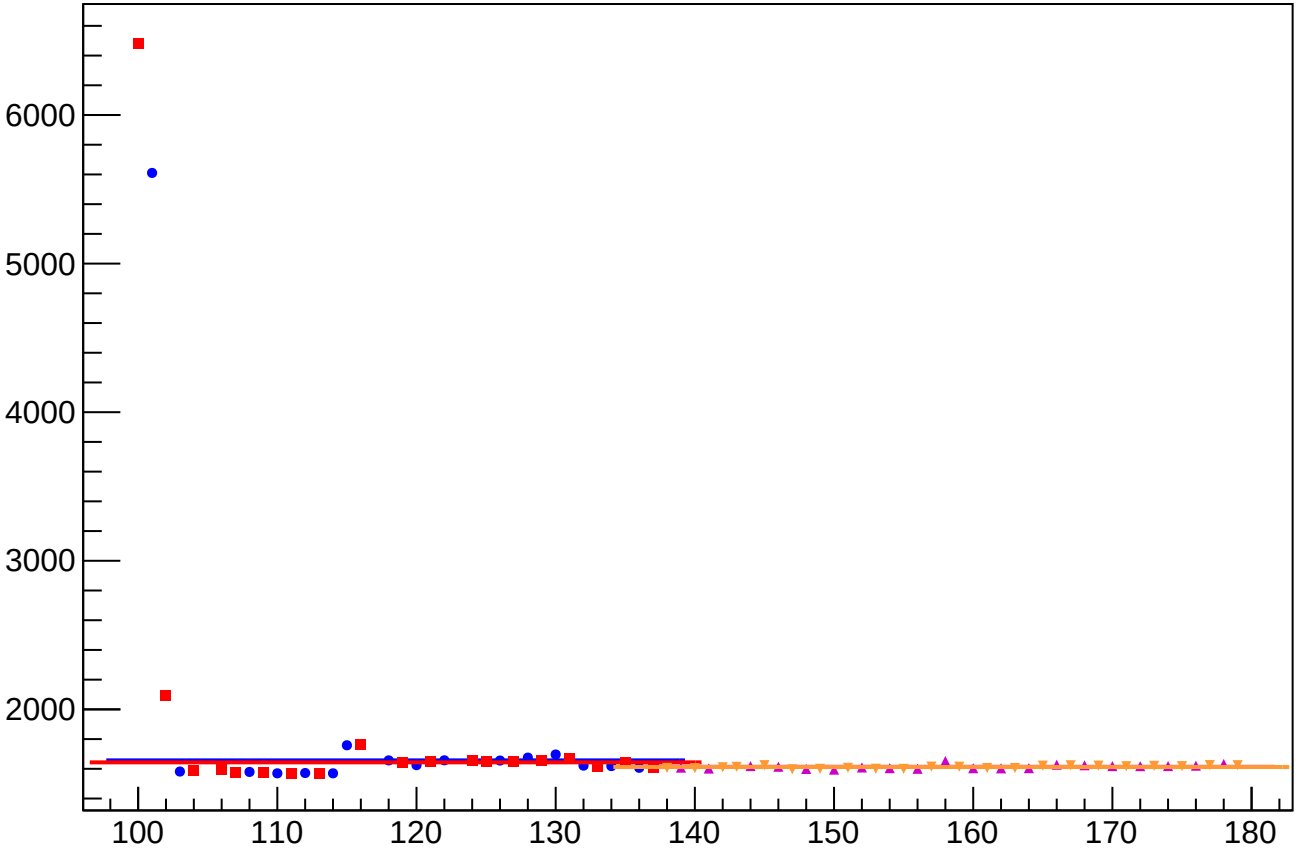
Left In: -2435.297+/-399.053 χ^2/NDF:31.0/19

+ sign 2316.244+/-328.843 χ^2/NDF: 36.1/37

All: -1.954+/-234.262 χ^2/NDF: 179.8/76

- sign -2390.638+/-333.805 χ^2/NDF: 42.9/38

reg_asym_usr_atr1_avg_rms vs Slug



Right In: 1656.683+/-0.446 χ^2/NDF: 666226.2/15

Left Out: 1612.131+/-0.273 χ^2/NDF:1137.9/21

Right Out: 1643.430+/-0.431 χ^2/NDF: 136997.9/18

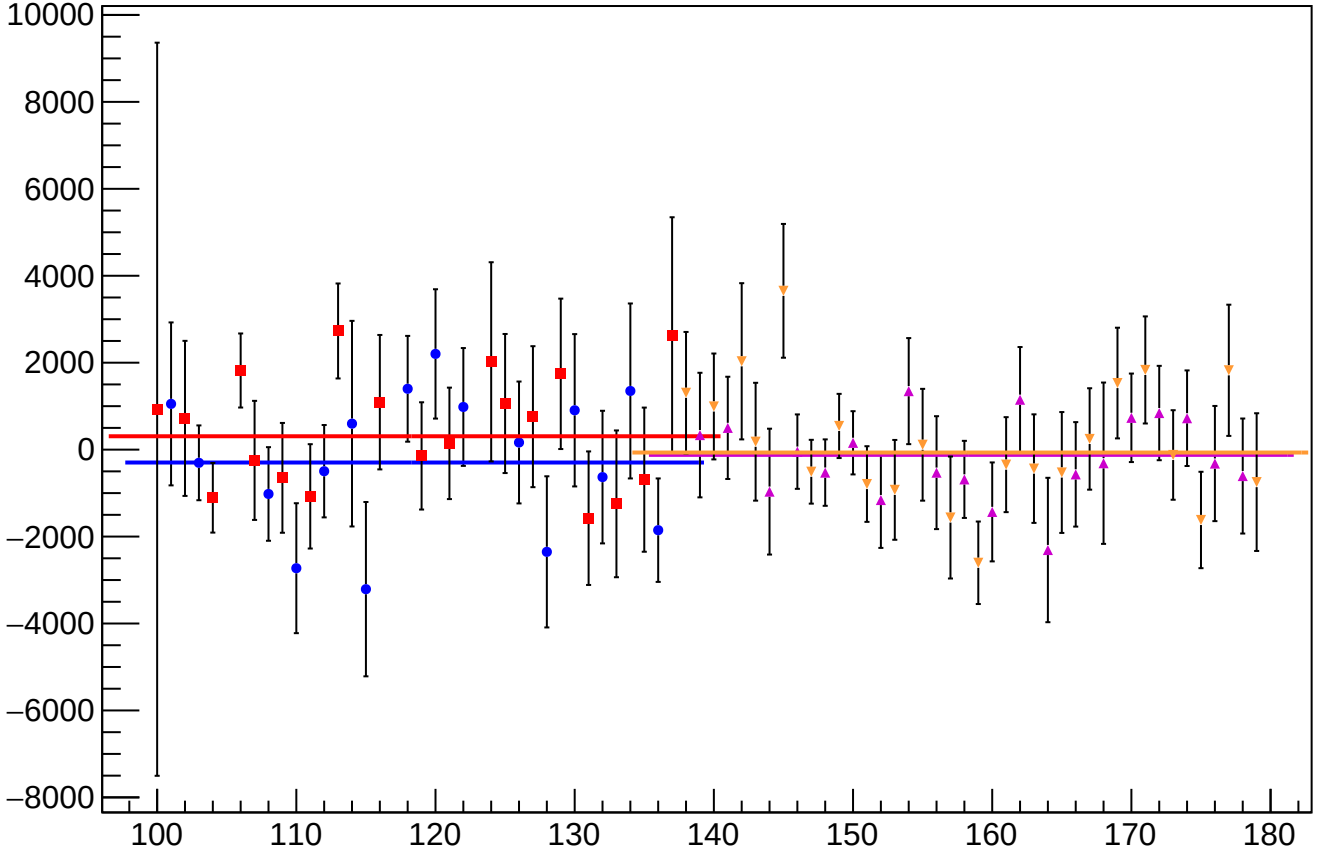
Left In: 1613.339+/-0.282 χ^2/NDF:2330.3/19

+ sign 1624.260+/-0.233 χ^2/NDF: 674637.7/37

All: 1623.332+/-0.166 χ^2/NDF: 817413.1/76

- sign 1622.375+/-0.236 χ^2/NDF: 142743.1/38

asym_usr_atr1_avg_reg_correction_mean vs Slug



Right In: -296.450+/-343.436 χ^2/NDF: 16.0/15

Left Out: -66.657+/-242.146 χ^2/NDF:27.6/21

Right Out: 307.671+/-312.976 χ^2/NDF: 18.7/18

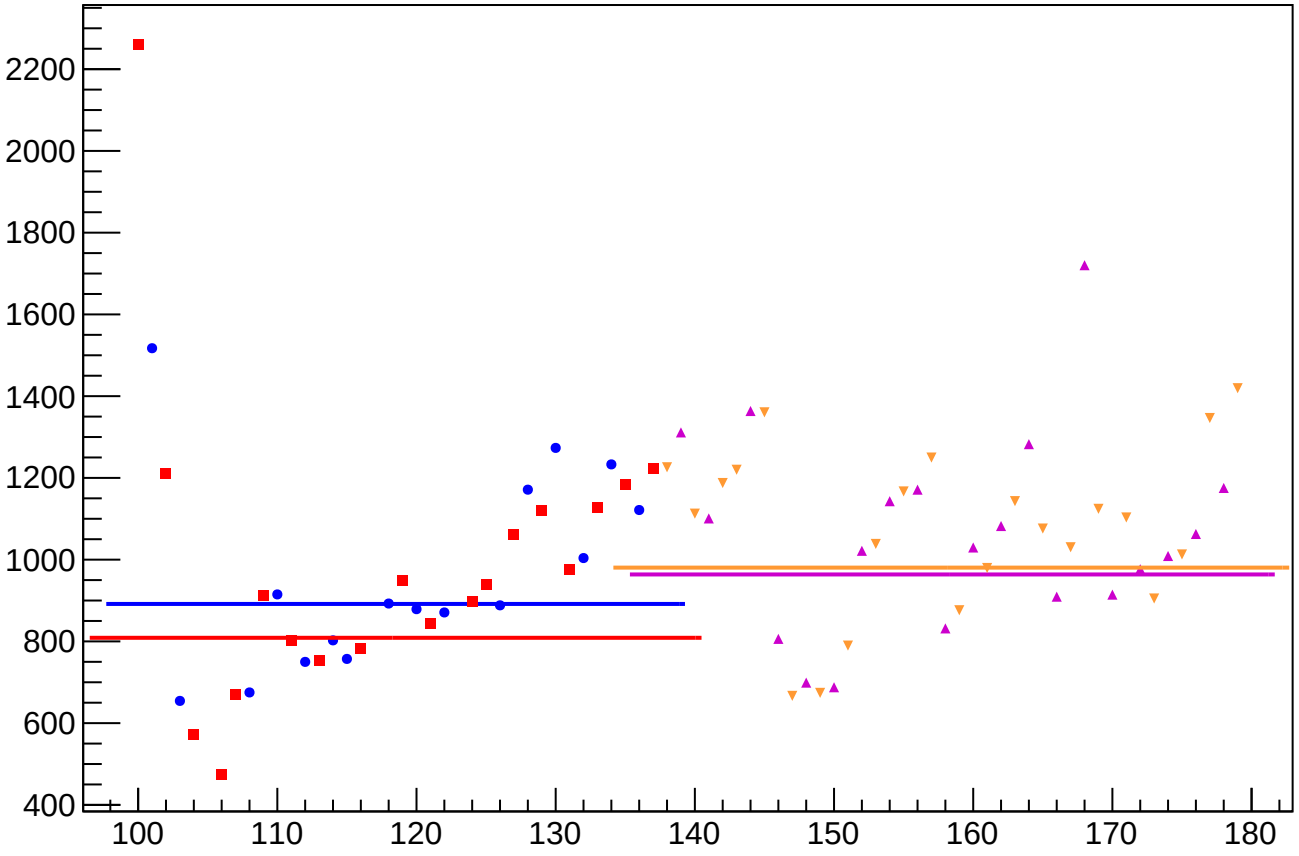
Left In: -120.354+/-245.479 χ^2/NDF:10.5/19

+ sign -142.960+/-197.901 χ^2/NDF: 43.8/37

All: -47.892+/-138.228 χ^2/NDF: 74.7/76

- sign 42.670+/-193.154 χ^2/NDF: 30.4/38

asym_usr_atr1_avg_reg_correction_rms vs Slug



Right In: 891.633+/-0.243 χ^2/NDF: 793897.2/15

Left Out: 980.514+/-0.171 χ^2/NDF:1623086.5/21

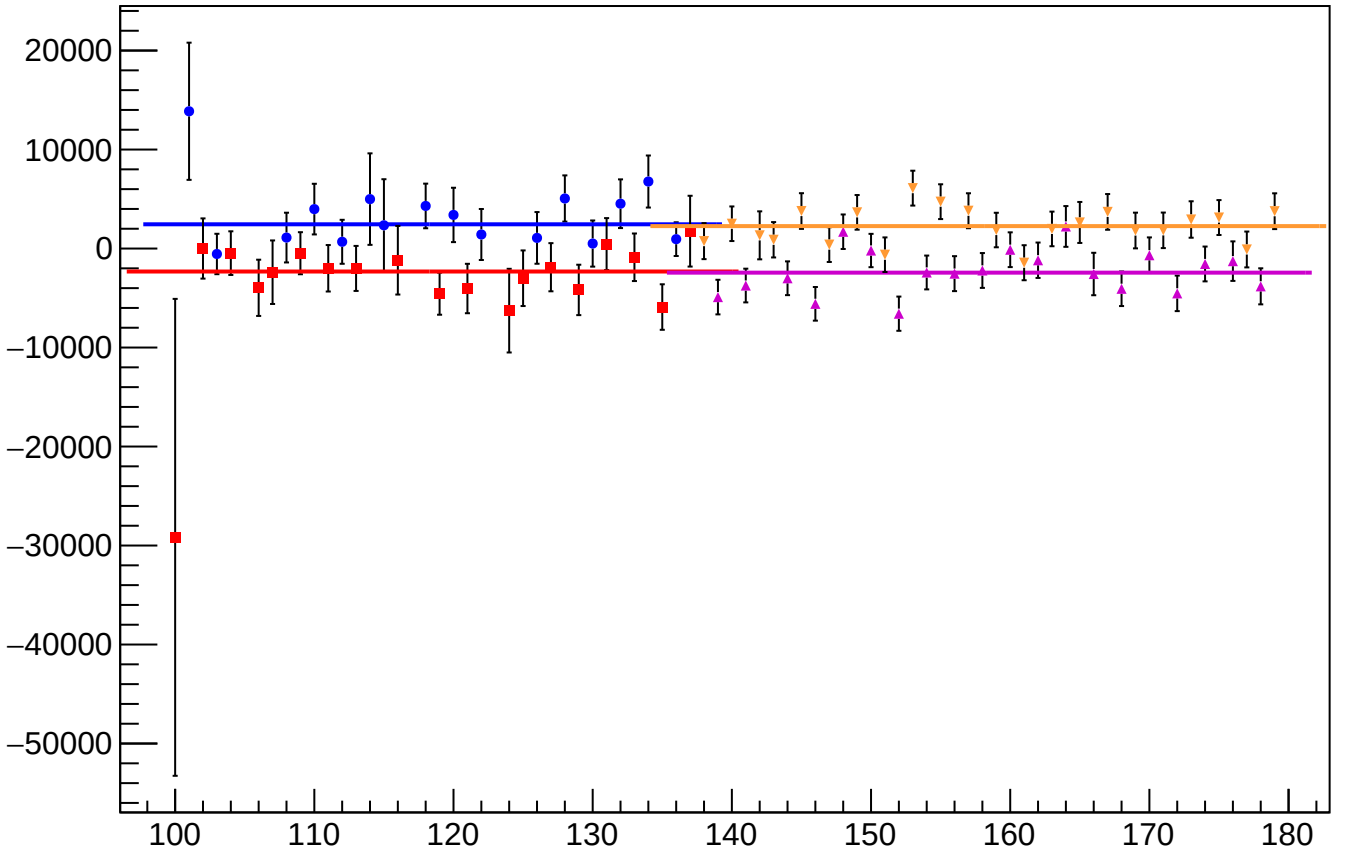
Right Out: 808.809+/-0.221 χ^2/NDF: 1083841.8/18

Left In: 963.785+/-0.174 χ^2/NDF:1543715.4/19

+ sign 951.001+/-0.140 χ^2/NDF: 2506459.0/37

All: 927.319+/-0.098 χ^2/NDF: 5493549.0/76

- sign 904.759+/-0.137 χ^2/NDF: 2931164.9/38



Right In: 2449.397+/-630.235 χ^2/NDF: 13.8/15

Left Out: 2266.200+/-385.477 χ^2/NDF:22.2/21

Right Out: -2320.575+/-609.657 χ^2/NDF: 12.1/18

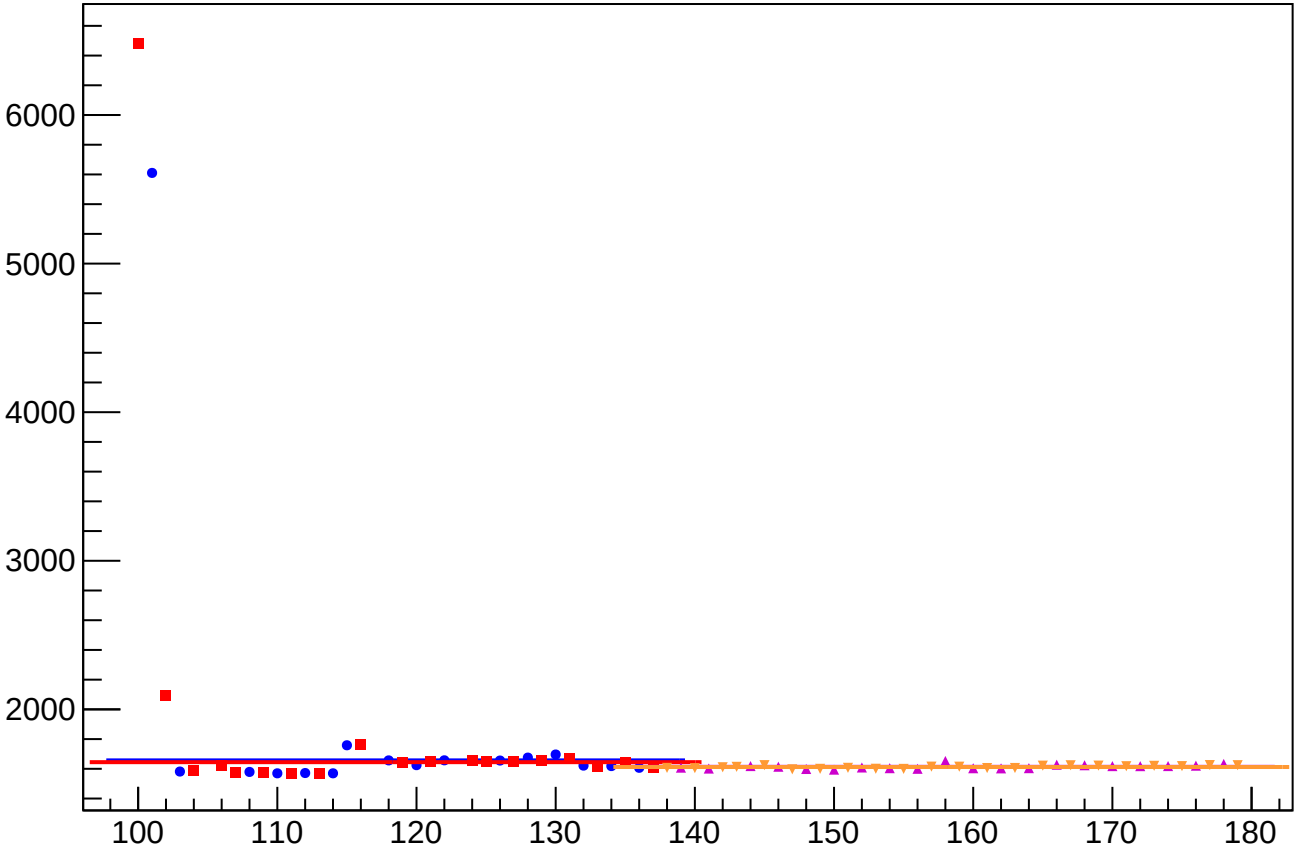
Left In: -2435.333+/-399.053 χ^2/NDF:31.0/19

+ sign 2316.076+/-328.843 χ^2/NDF: 36.0/37

All: -6.519+/-234.290 χ^2/NDF: 180.5/76

- sign -2400.913+/-333.887 χ^2/NDF: 43.1/38

cor_asym_usr_atr1_avg_rms vs Slug



Right In: 1656.683+/-0.446 χ^2/NDF: 666225.7/15

Left Out: 1612.131+/-0.273 χ^2/NDF:1137.9/21

Right Out: 1644.733+/-0.431 χ^2/NDF: 136483.1/18

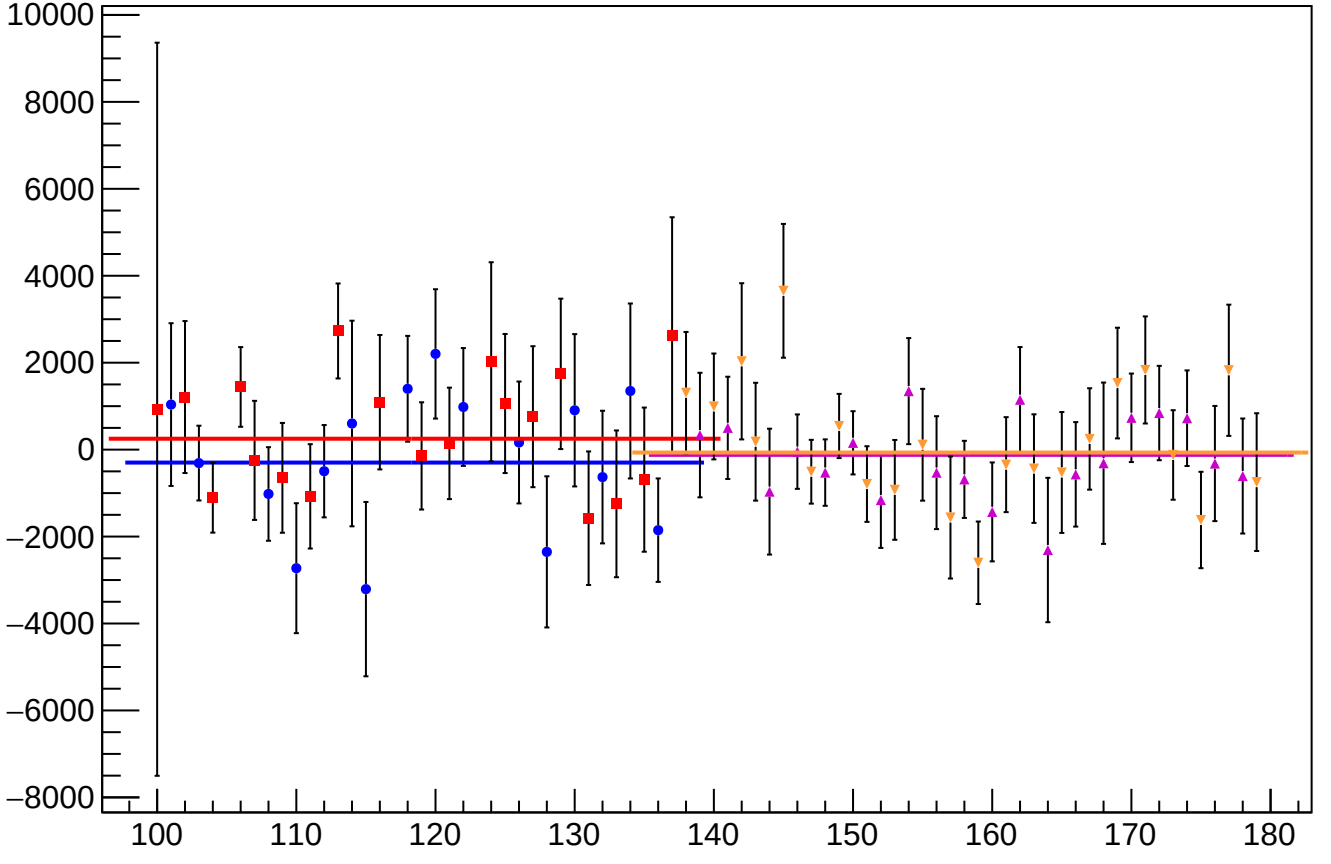
Left In: 1613.339+/-0.282 χ^2/NDF:2330.3/19

+ sign 1624.260+/-0.233 χ^2/NDF: 674637.2/37

All: 1623.519+/-0.166 χ^2/NDF: 817183.9/76

- sign 1622.755+/-0.236 χ^2/NDF: 142526.1/38

asym_usr_atr1_avg_cor_correction_mean vs Slug



Right In: -297.794+/-343.391 χ^2/NDF: 15.9/15

Left Out: -66.711+/-242.144 χ^2/NDF:27.6/21

Right Out: 251.230+/-315.749 χ^2/NDF: 17.3/18

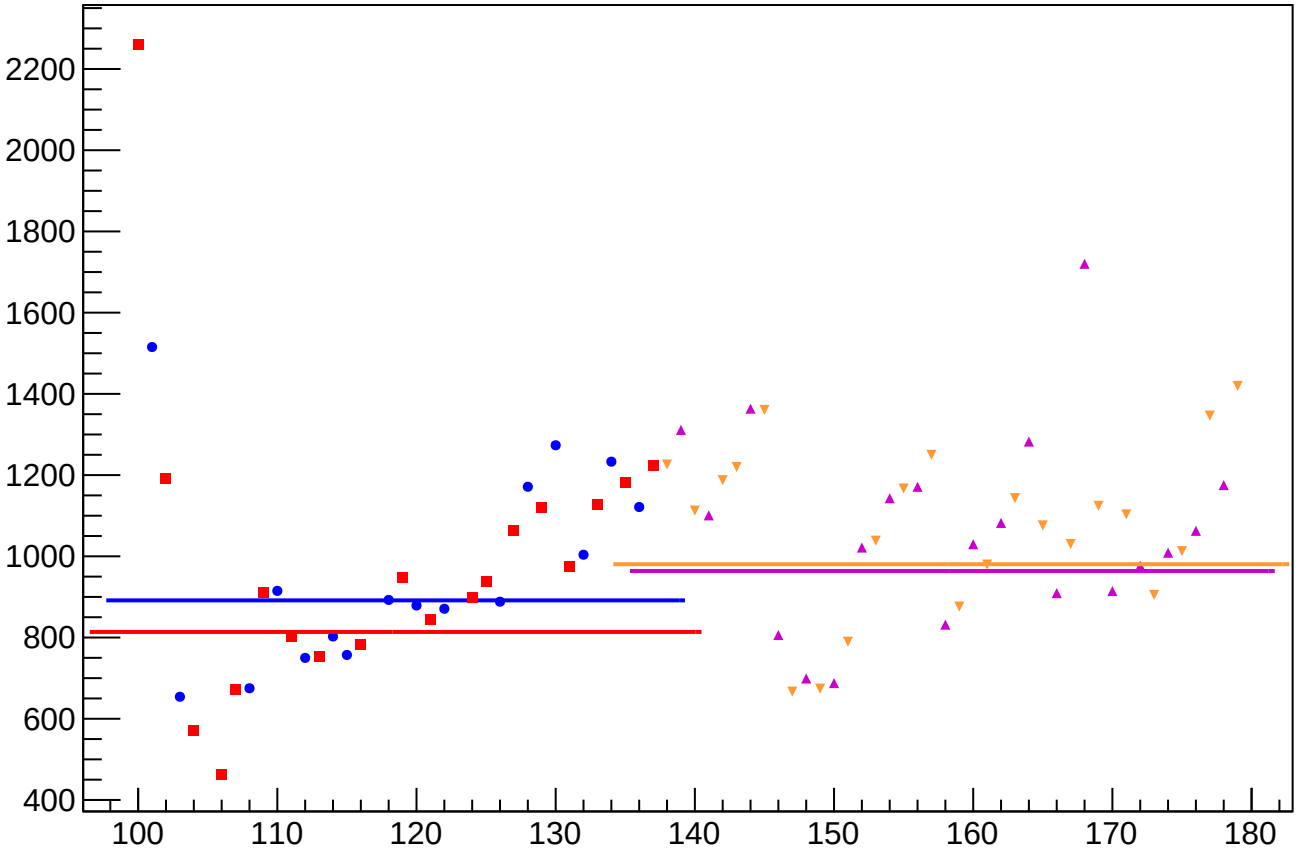
Left In: -120.381+/-245.480 χ^2/NDF:10.5/19

+ sign -143.456+/-197.892 χ^2/NDF: 43.8/37

All: -60.217+/-138.462 χ^2/NDF: 72.8/76

- sign 19.615+/-193.801 χ^2/NDF: 28.7/38

asym_usr_atr1_avg_cor_correction_rms vs Slug



Right In: 891.533+/-0.243 χ^2/NDF: 793657.2/15

Left Out: 980.506+/-0.171 χ^2/NDF:1623205.0/21

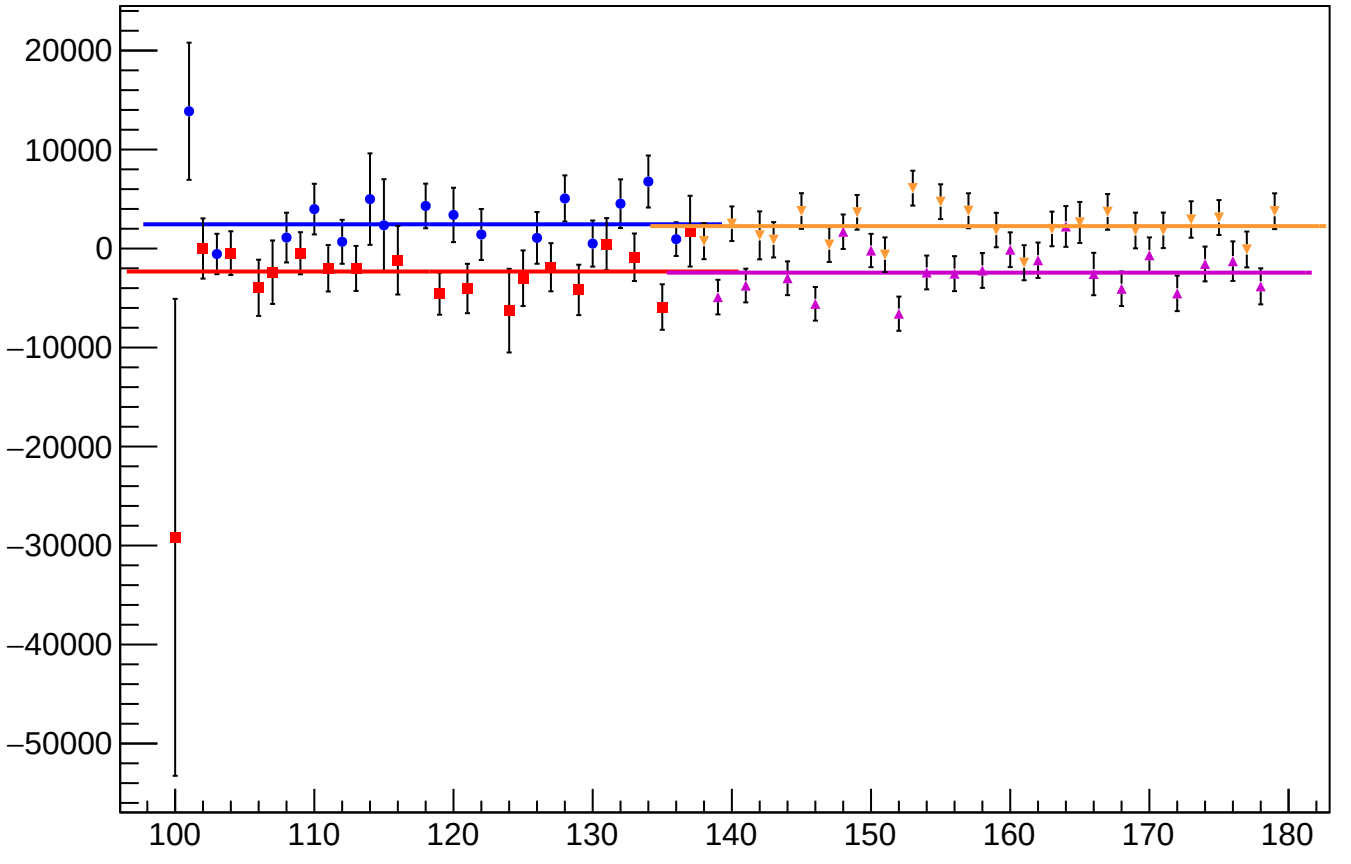
Right Out: 813.807+/-0.223 χ^2/NDF: 1052991.6/18

Left In: 963.791+/-0.174 χ^2/NDF:1543674.9/19

+ sign 950.957+/-0.140 χ^2/NDF: 2506538.2/37

All: 928.667+/-0.098 χ^2/NDF: 5434181.5/76

- sign 907.288+/-0.137 χ^2/NDF: 2877929.4/38



Right In: 2449.397+/-630.235 χ^2/NDF: 13.8/15

Left Out: 2266.200+/-385.477 χ^2/NDF:22.2/21

Right Out: -2320.575+/-609.657 χ^2/NDF: 12.1/18

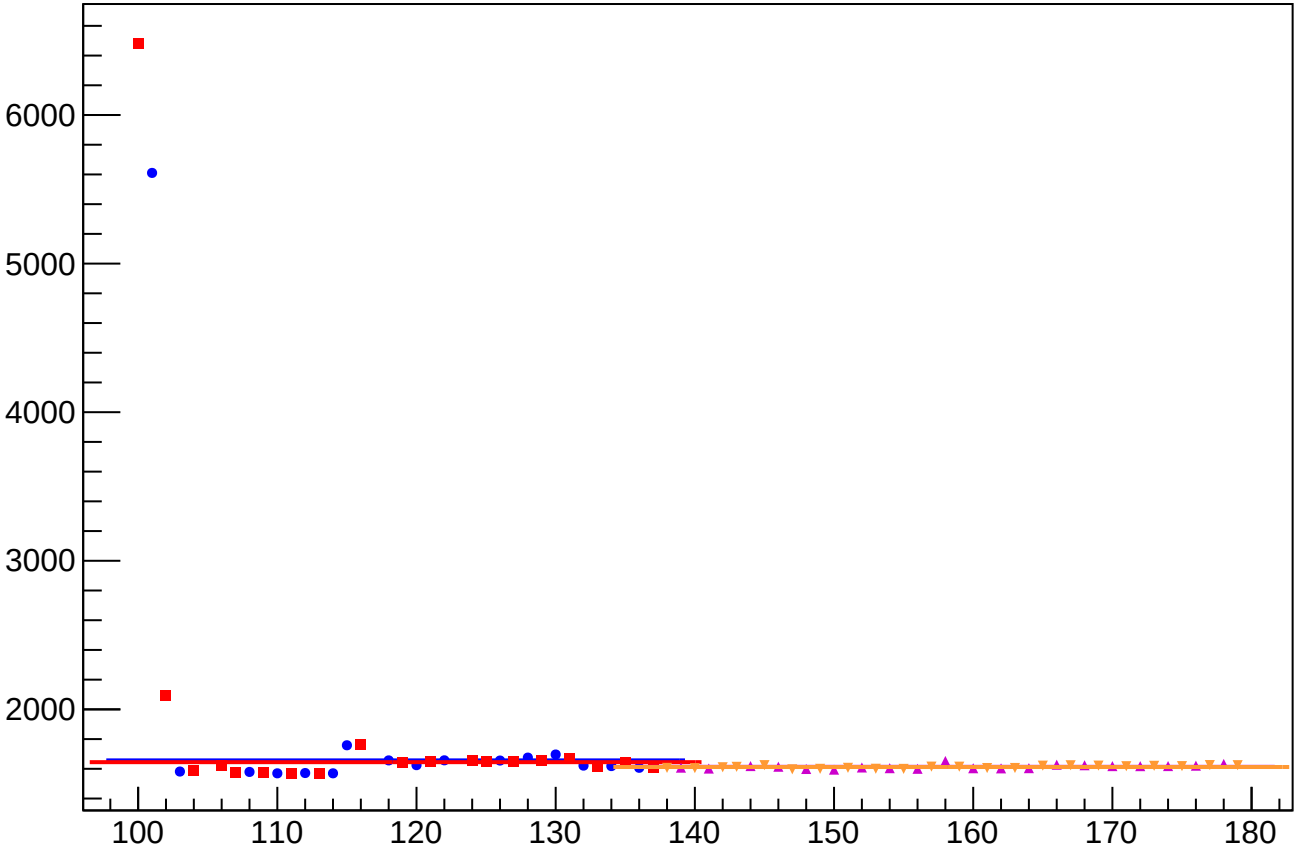
Left In: -2435.333+/-399.053 χ^2/NDF:31.0/19

+ sign 2316.076+/-328.843 χ^2/NDF: 36.0/37

All: -6.519+/-234.290 χ^2/NDF: 180.5/76

- sign -2400.913+/-333.887 χ^2/NDF: 43.1/38

eigen_cor_asym_usr_atr1_avg_rms vs Slug



Right In: 1656.683+/-0.446 χ^2/NDF: 666225.7/15

Left Out: 1612.131+/-0.273 χ^2/NDF:1137.9/21

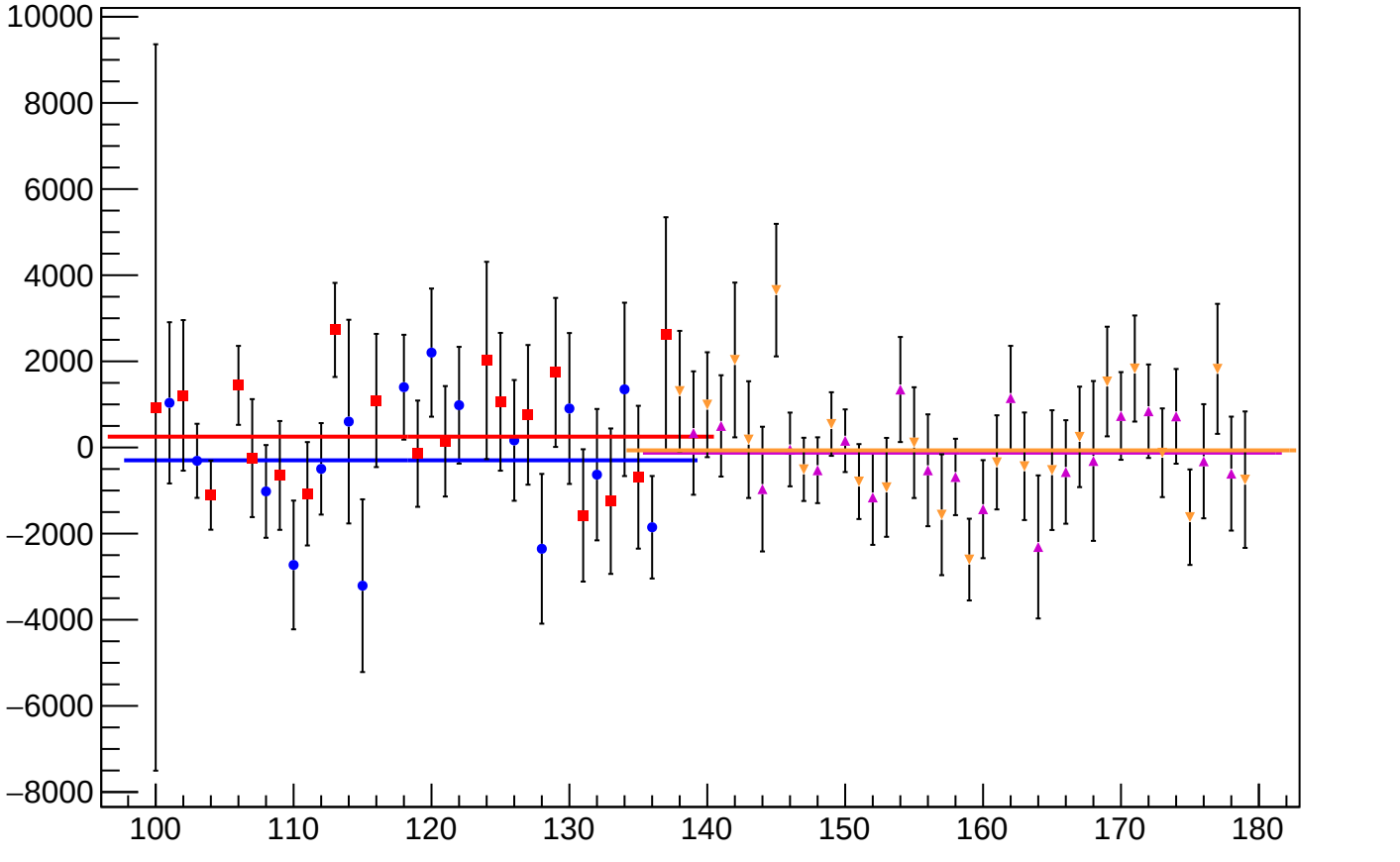
Right Out: 1644.733+/-0.431 χ^2/NDF: 136483.1/18

Left In: 1613.339+/-0.282 χ^2/NDF:2330.3/19

+ sign 1624.260+/-0.233 χ^2/NDF: 674637.2/37

All: 1623.519+/-0.166 χ^2/NDF: 817183.9/76

- sign 1622.755+/-0.236 χ^2/NDF: 142526.1/38



Right In: -297.794+/-343.391 χ^2/NDF: 15.9/15

Left Out: -66.711+/-242.144 χ^2/NDF:27.6/21

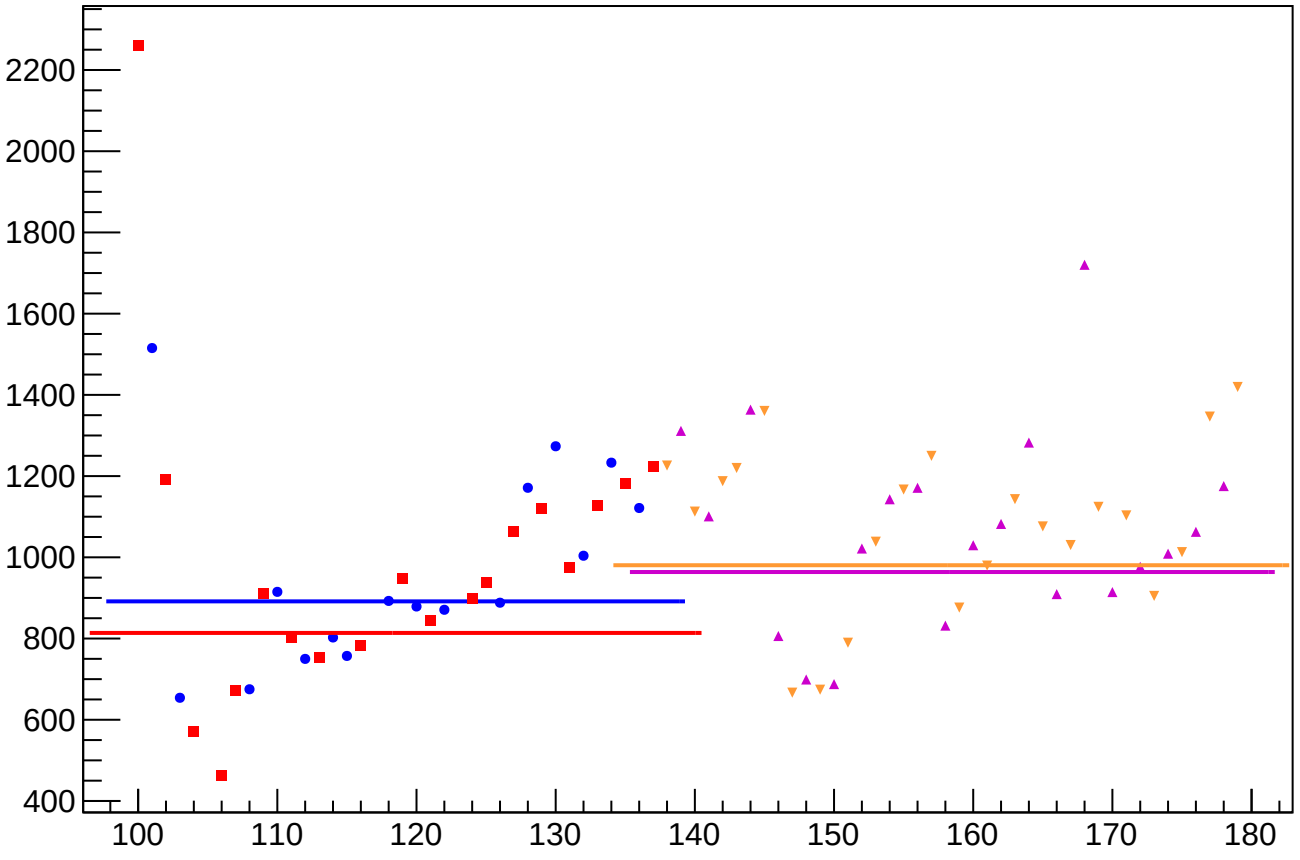
Right Out: 251.230+/-315.749 χ^2/NDF: 17.3/18

Left In: -120.381+/-245.480 χ^2/NDF:10.5/19

+ sign -143.456+/-197.892 χ^2/NDF: 43.8/37

All: -60.217+/-138.462 χ^2/NDF: 72.8/76

- sign 19.615+/-193.801 χ^2/NDF: 28.7/38



Right In: 891.533+/-0.243 χ^2/NDF: 793657.2/15

Left Out: 980.506+/-0.171 χ^2/NDF:1623205.0/21

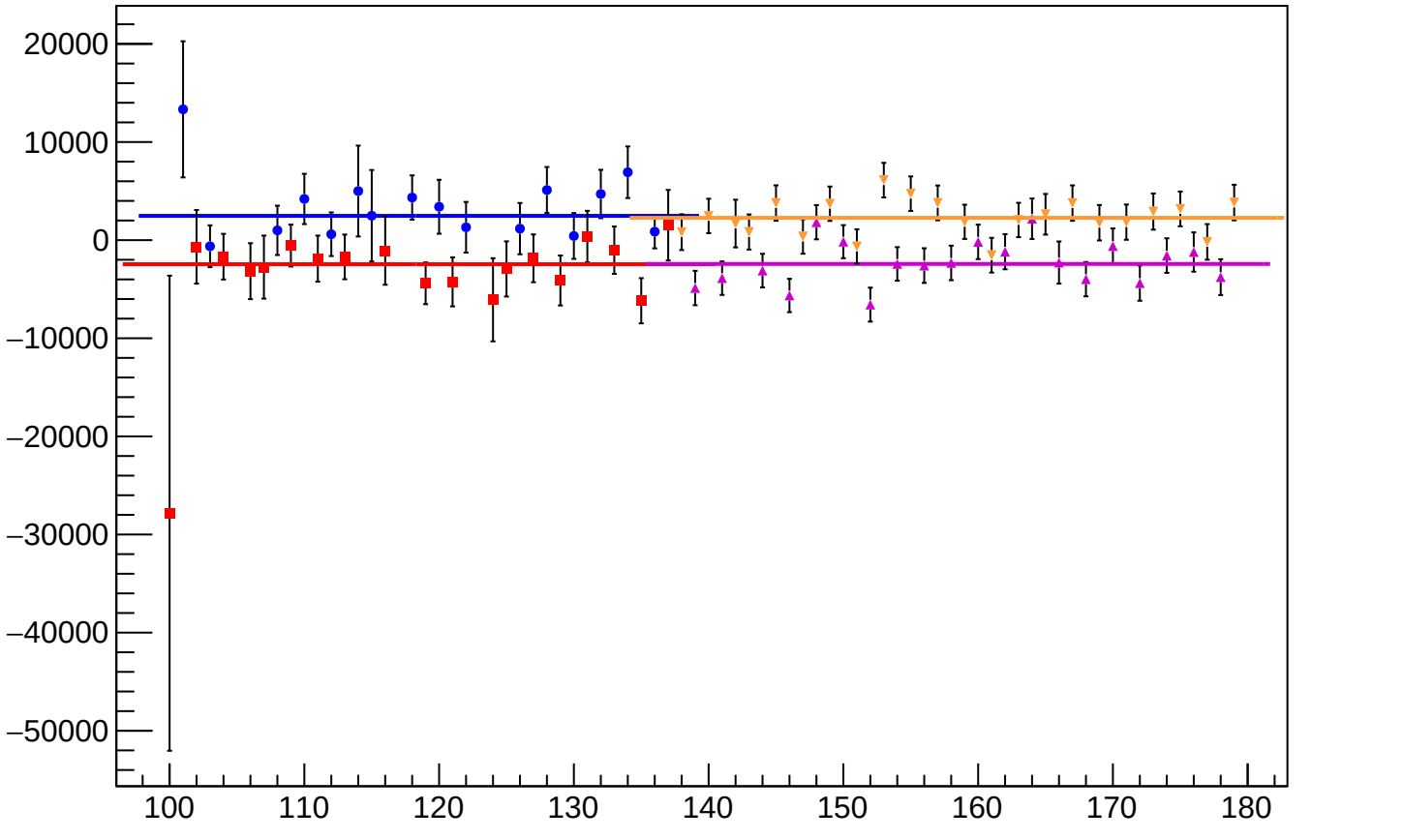
Right Out: 813.807+/-0.223 χ^2/NDF: 1052991.6/18

Left In: 963.791+/-0.174 χ^2/NDF:1543674.9/19

+ sign 950.957+/-0.140 χ^2/NDF: 2506538.2/37

All: 928.667+/-0.098 χ^2/NDF: 5434181.5/76

- sign 907.288+/-0.137 χ^2/NDF: 2877929.4/38



Right In: 2475.229+/-633.866 χ^2/NDF: 14.2/15

Left Out: 2272.956+/-386.109 χ^2/NDF:22.7/21

Right Out: -2449.053+/-617.532 χ^2/NDF: 10.6/18

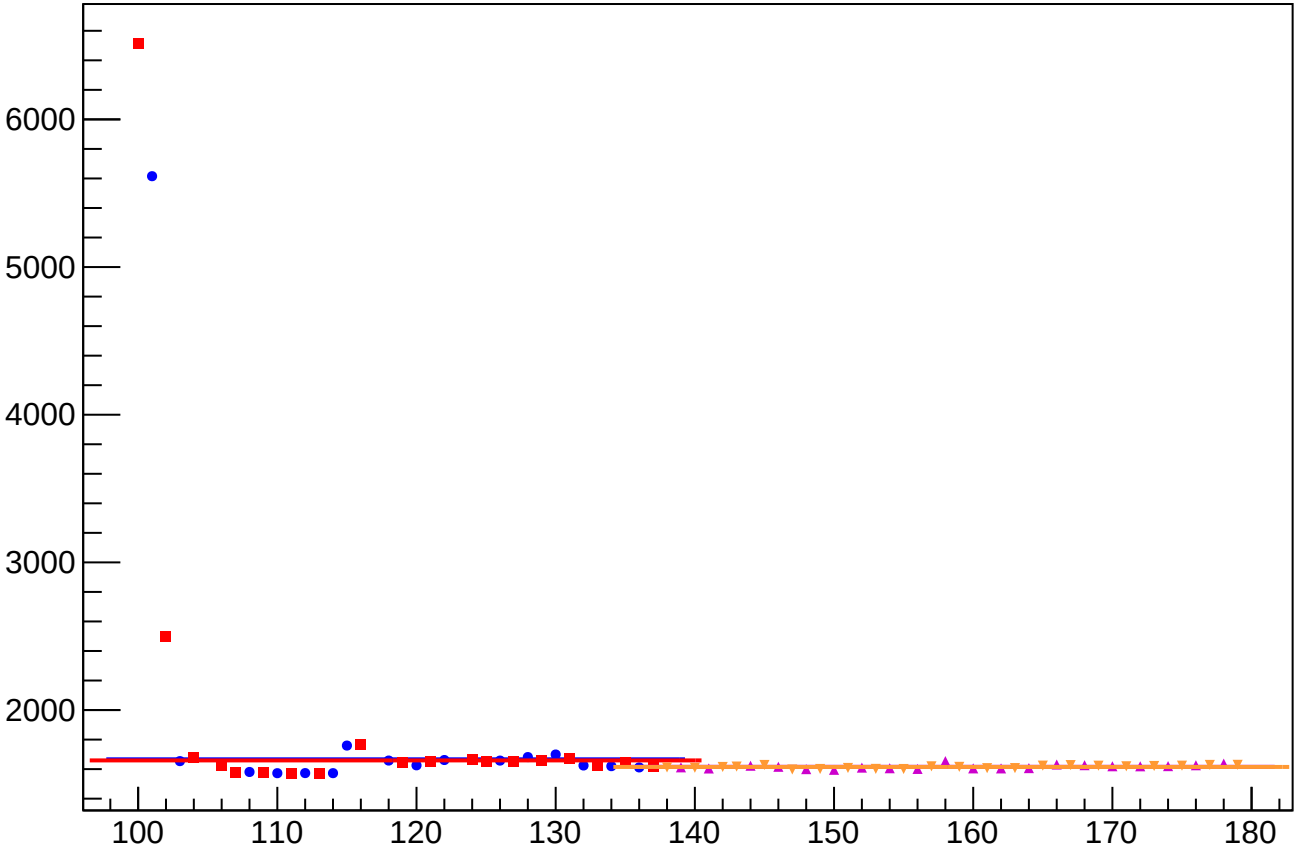
Left In: -2424.483+/-399.613 χ^2/NDF:31.2/19

+ sign 2327.697+/-329.750 χ^2/NDF: 36.9/37

All: -10.920+/-235.173 χ^2/NDF: 181.0/76

- sign -2431.735+/-335.495 χ^2/NDF: 41.7/38

dit_asym_usr_atr1_avg_rms vs Slug



Right In: 1666.400+/-0.448 χ^2/NDF: 662914.5/15

Left Out: 1614.765+/-0.273 χ^2/NDF:1313.1/21

Right Out: 1659.005+/-0.437 χ^2/NDF: 193223.7/18

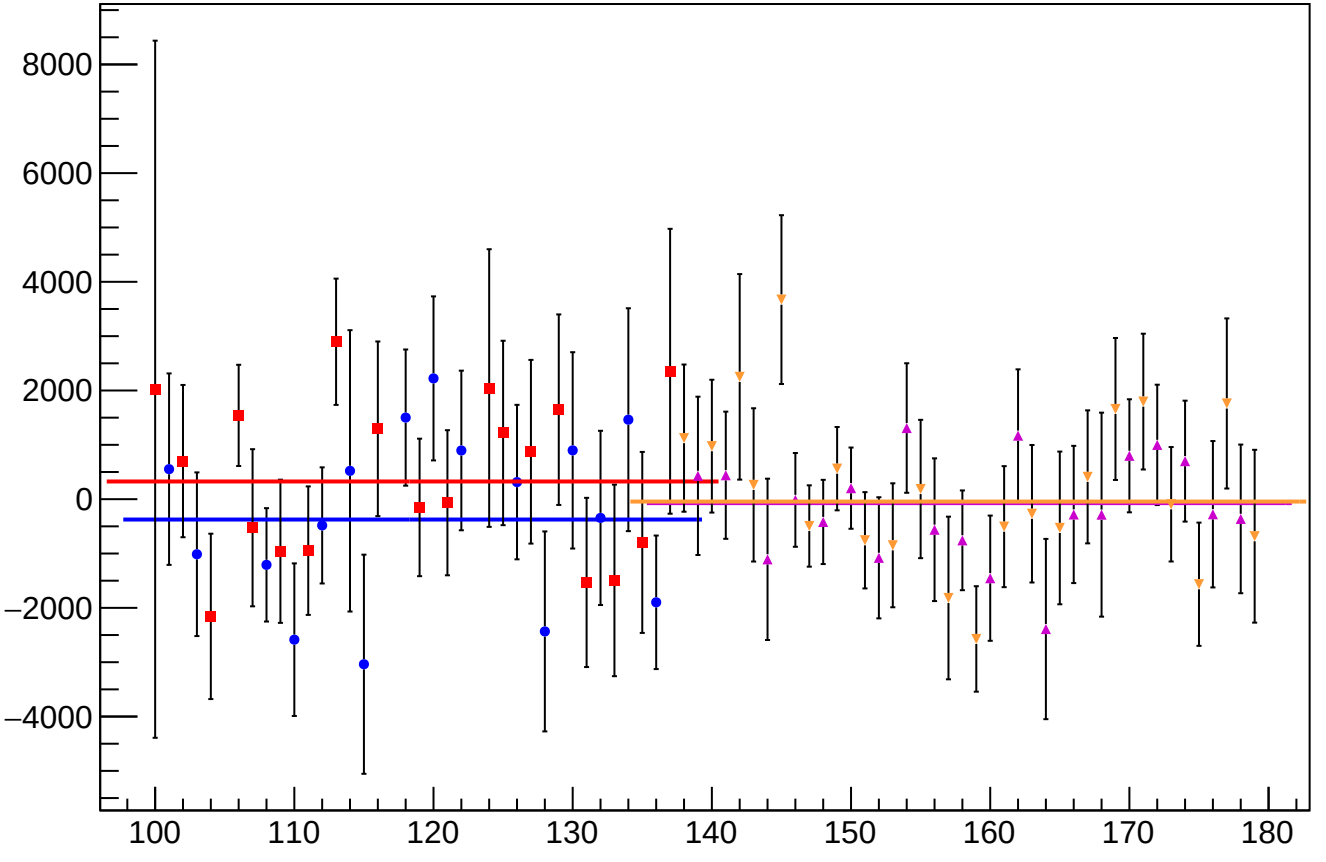
Left In: 1615.588+/-0.283 χ^2/NDF:2484.8/19

+ sign 1628.739+/-0.233 χ^2/NDF: 673907.3/37

All: 1628.574+/-0.166 χ^2/NDF: 876585.1/76

- sign 1628.402+/-0.237 χ^2/NDF: 202676.8/38

asym_usr_atr1_avg_dit_correction_mean vs Slug



Right In: -374.592+/-367.944 χ^2/NDF: 15.7/15

Left Out: -43.827+/-247.074 χ^2/NDF:26.7/21

Right Out: 325.671+/-340.620 χ^2/NDF: 17.4/18

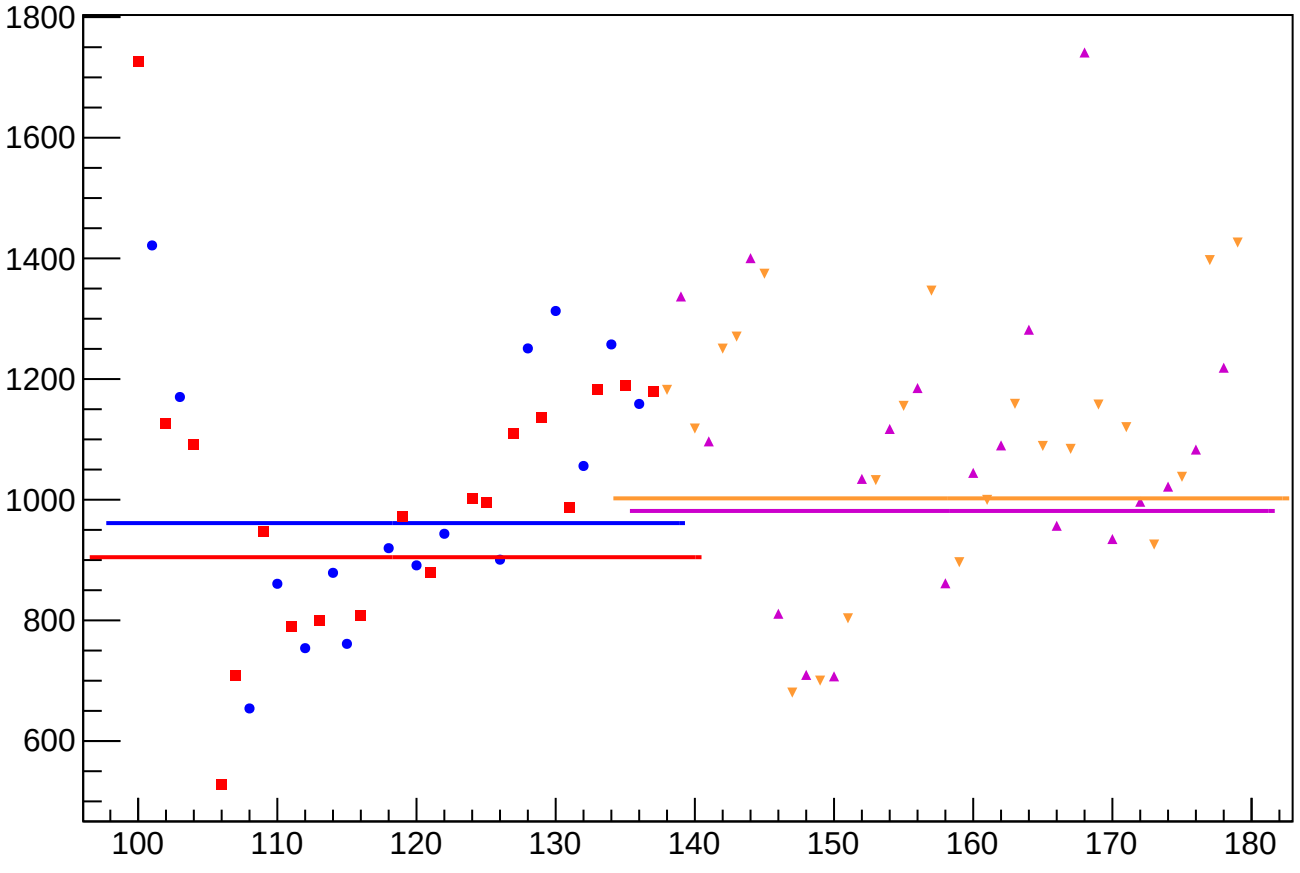
Left In: -72.569+/-249.516 χ^2/NDF:10.6/19

+ sign -146.621+/-205.119 χ^2/NDF: 42.9/37

All: -38.050+/-143.667 χ^2/NDF: 72.4/76

- sign 66.502+/-201.287 χ^2/NDF: 28.9/38

asym_usr_atr1_avg_dit_correction_rms vs Slug



Right In: 961.243+/-0.260 χ^2/NDF: 691875.4/15

Left Out: 1002.252+/-0.175 χ^2/NDF:1591637.6/21

Right Out: 904.736+/-0.241 χ^2/NDF: 736484.7/18

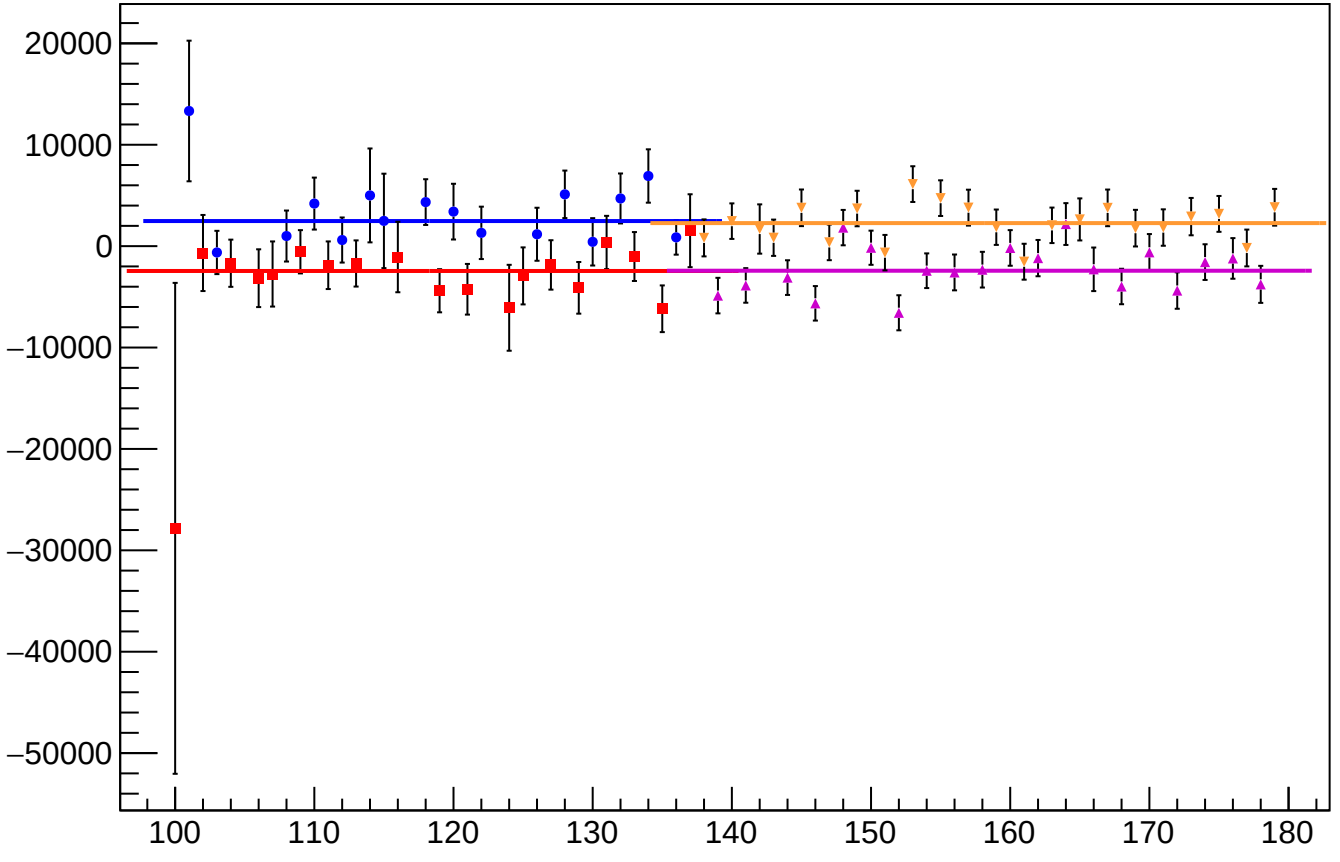
Left In: 981.380+/-0.176 χ^2/NDF:1498312.5/19

\+ sign 989.507+/-0.145 χ^2/NDF: 2300636.6/37

All: 971.732+/-0.102 χ^2/NDF: 4630815.3/76

\- sign 954.615+/-0.142 χ^2/NDF: 2300696.9/38

eigen_dit_asym_usr_atr1_avg_mean vs Slug



Right In: 2475.228+/-633.866 χ^2/NDF: 14.2/15

Left Out: 2272.956+/-386.109 χ^2/NDF:22.7/21

Right Out: -2449.053+/-617.532 χ^2/NDF: 10.6/18

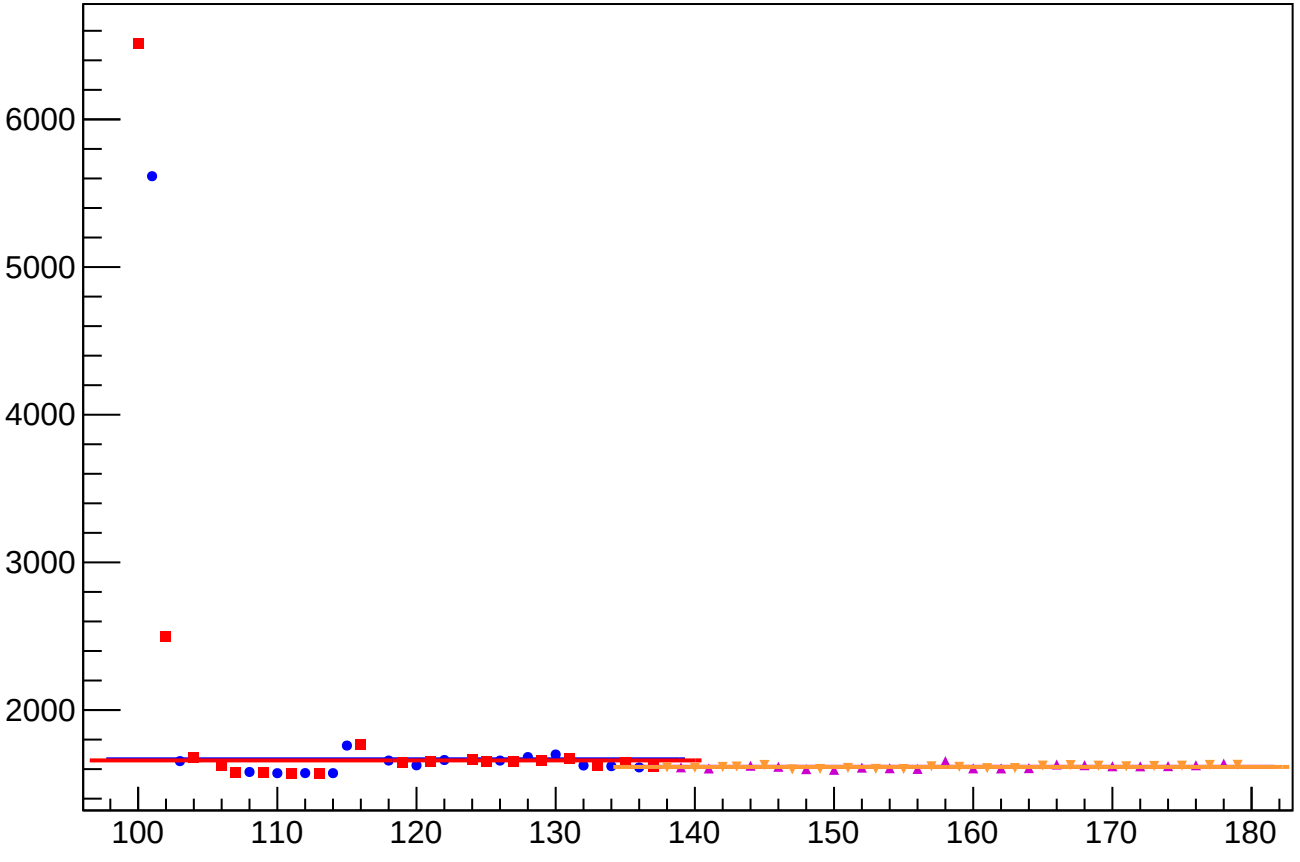
Left In: -2424.484+/-399.613 χ^2/NDF:31.2/19

+ sign 2327.697+/-329.750 χ^2/NDF: 36.9/37

All: -10.921+/-235.173 χ^2/NDF: 181.0/76

- sign -2431.736+/-335.495 χ^2/NDF: 41.7/38

eigen_dit_asym_usr_atr1_avg_rms vs Slug



Right In: 1666.400+/-0.448 χ^2/NDF: 662914.5/15

Left Out: 1614.765+/-0.273 χ^2/NDF:1313.1/21

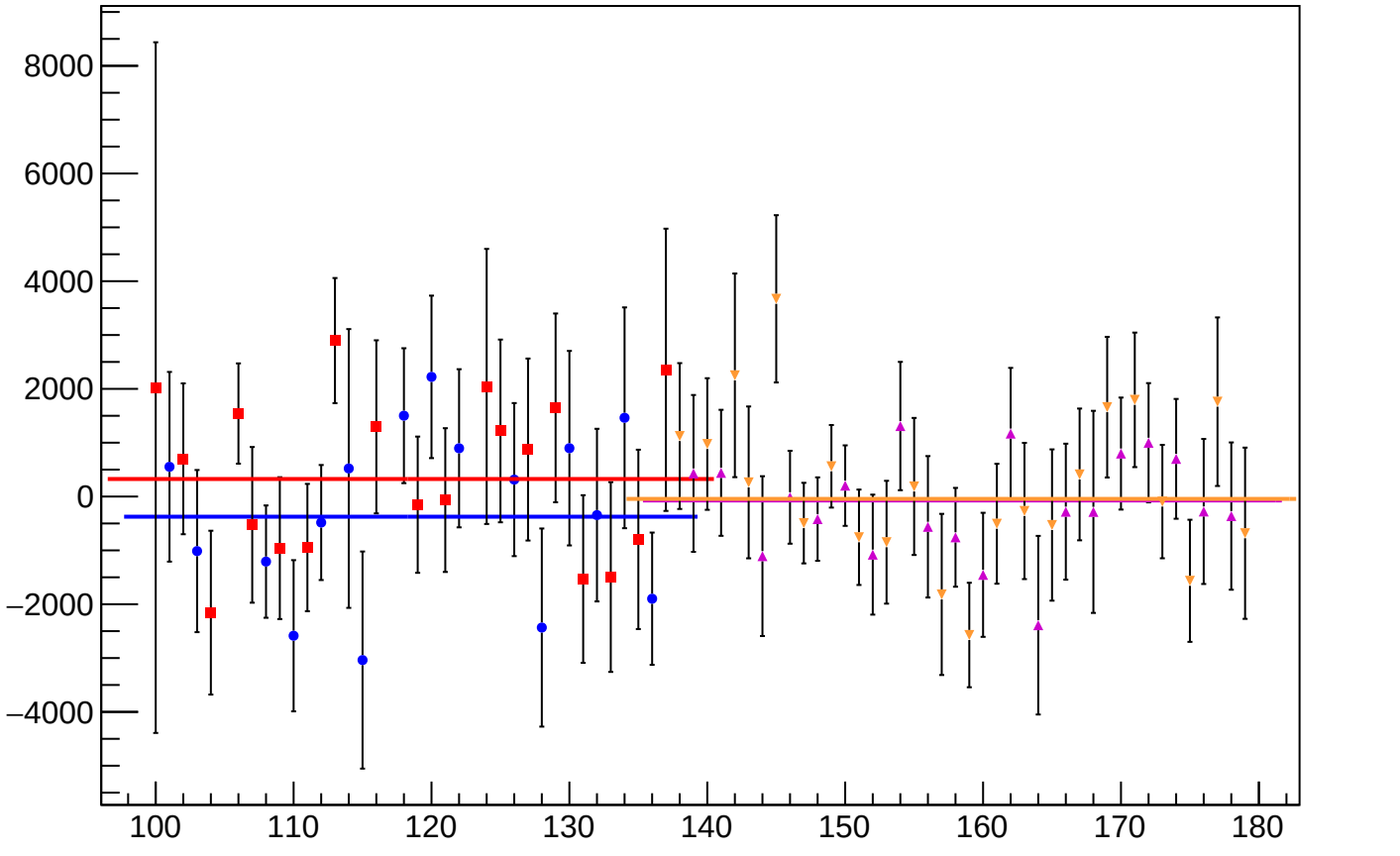
Right Out: 1659.004+/-0.437 χ^2/NDF: 193223.5/18

Left In: 1615.588+/-0.283 χ^2/NDF:2484.8/19

+ sign 1628.739+/-0.233 χ^2/NDF: 673907.3/37

All: 1628.574+/-0.166 χ^2/NDF: 876584.9/76

- sign 1628.402+/-0.237 χ^2/NDF: 202676.5/38



Right In: -374.590+/-367.943 χ^2/NDF: 15.7/15

Left Out: -43.828+/-247.074 χ^2/NDF:26.7/21

Right Out: 325.670+/-340.619 χ^2/NDF: 17.4/18

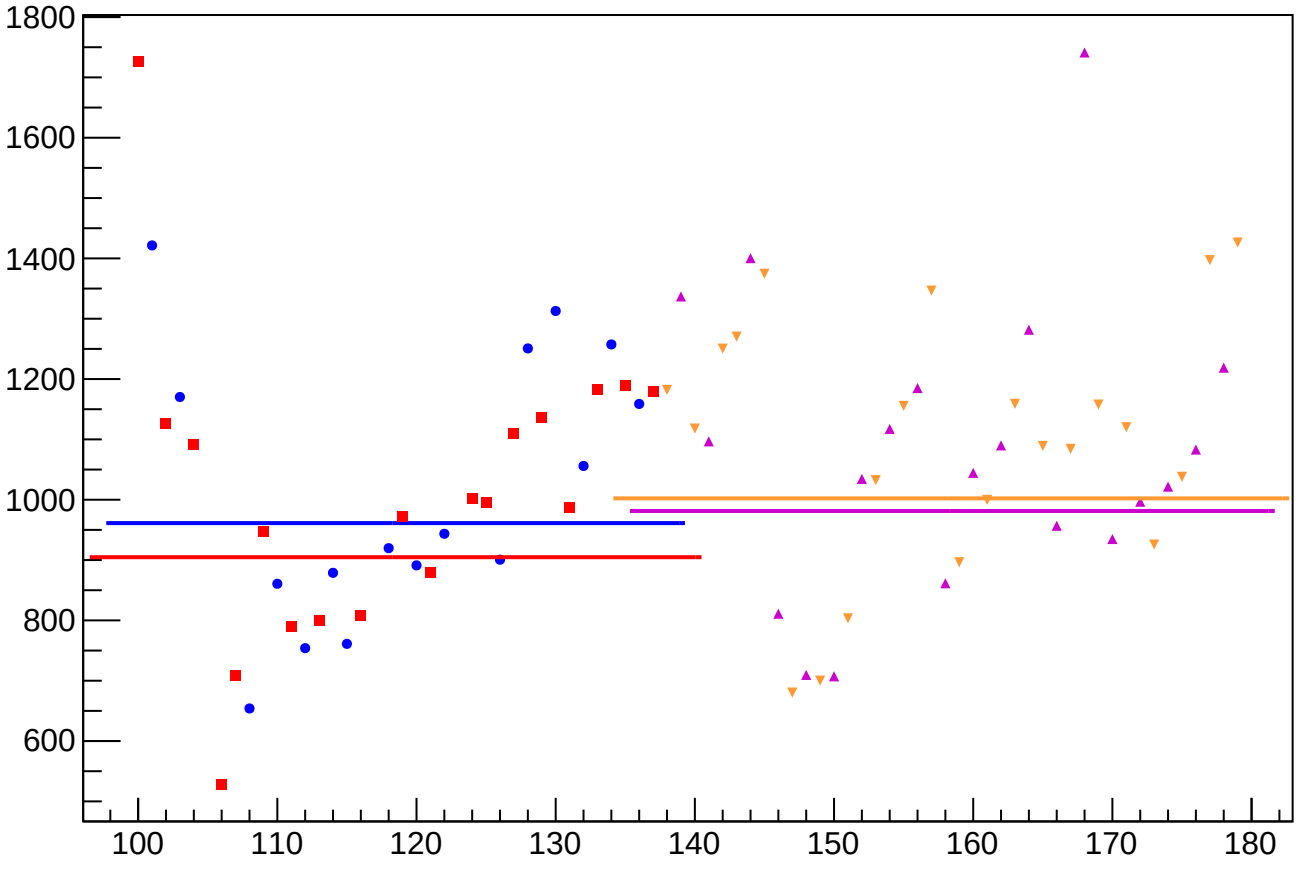
Left In: -72.570+/-249.516 χ^2/NDF:10.6/19

+ sign -146.622+/-205.119 χ^2/NDF: 42.9/37

All: -38.051+/-143.667 χ^2/NDF: 72.4/76

- sign 66.502+/-201.287 χ^2/NDF: 28.9/38

asym_usr_atr1_avg_eigen_dit_correction_rms vs Slug



Right In: 961.239+/-0.260 χ^2/NDF: 691883.4/15

Left Out: 1002.254+/-0.175 χ^2/NDF:1591639.6/21

Right Out: 904.734+/-0.241 χ^2/NDF: 736482.2/18

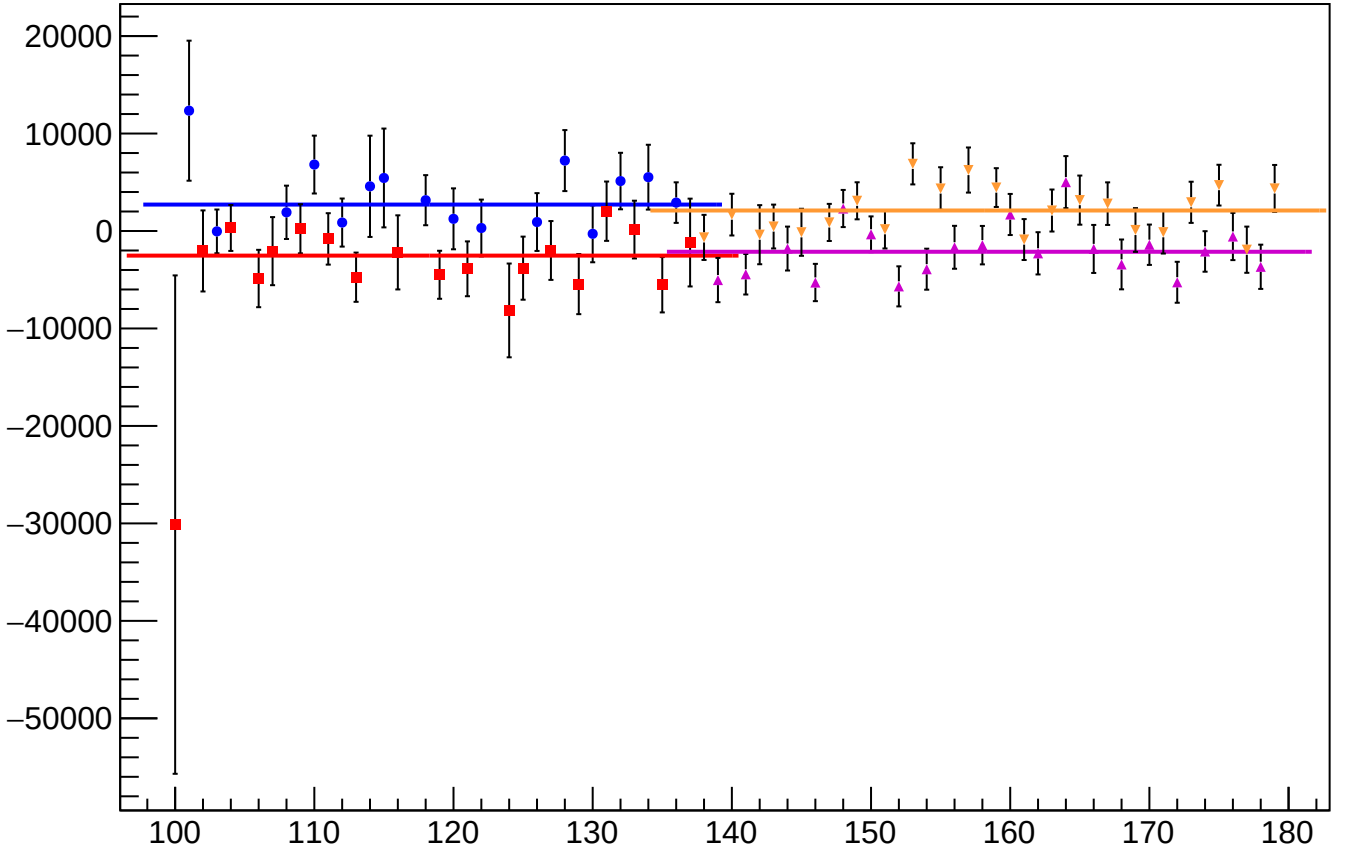
Left In: 981.382+/-0.176 χ^2/NDF:1498315.3/19

\+ sign 989.507+/-0.145 χ^2/NDF: 2300651.5/37

All: 971.732+/-0.102 χ^2/NDF: 4630838.1/76

\- sign 954.615+/-0.142 χ^2/NDF: 2300705.0/38

asym_usr_atr1_avg_mean vs Slug



Right In: 2711.394+/-735.088 χ^2/NDF: 12.1/15

Left Out: 2103.896+/-466.881 χ^2/NDF:25.6/21

Right Out: -2525.536+/-706.449 χ^2/NDF: 13.2/18

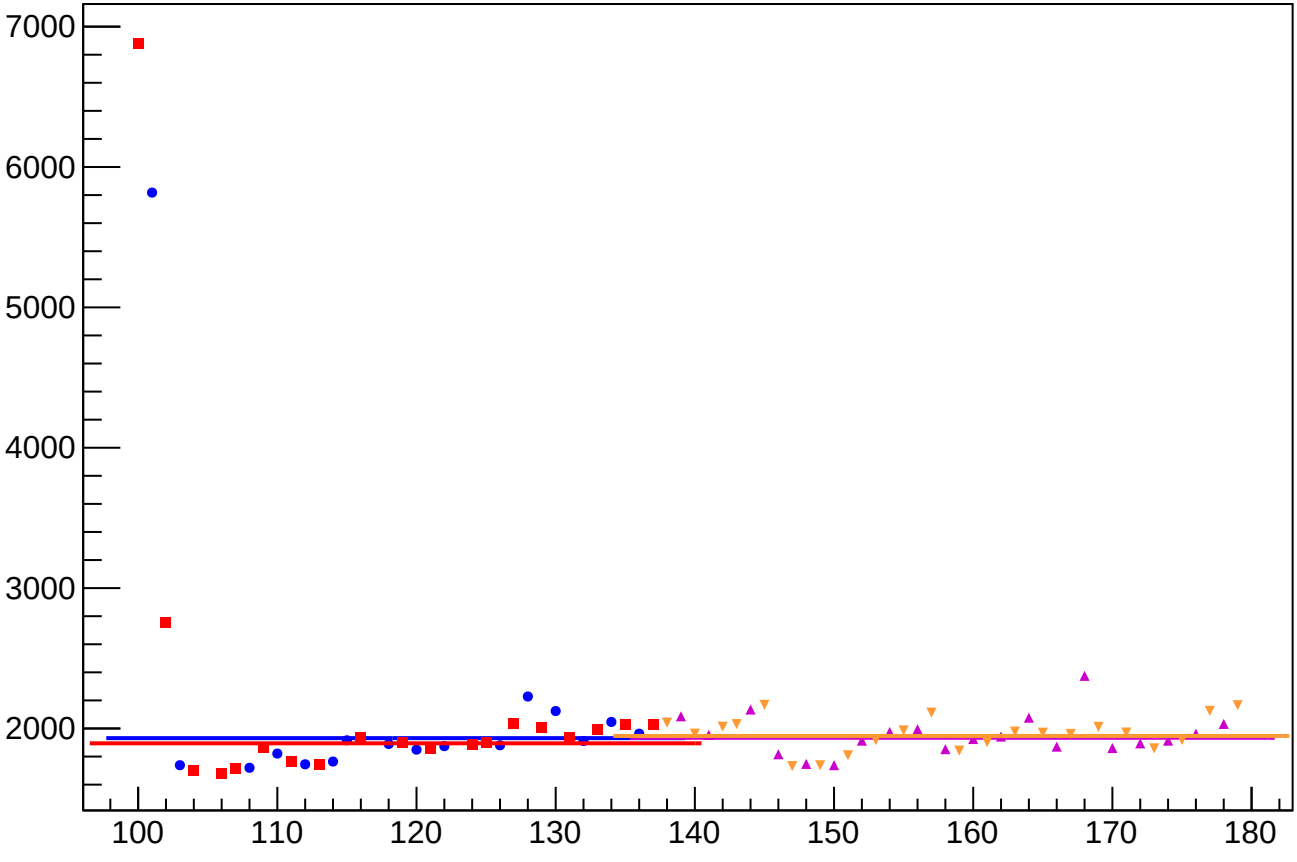
Left In: -2130.930+/-479.725 χ^2/NDF:29.8/19

+ sign 2278.517+/-394.108 χ^2/NDF: 38.2/37

All: 27.352+/-279.648 χ^2/NDF: 147.2/76

- sign -2255.467+/-396.869 χ^2/NDF: 43.3/38

asym_usr_atr1_avg_rms vs Slug



Right In: 1931.250+/-0.520 χ^2/NDF: 661227.1/15

Left Out: 1946.945+/-0.330 χ^2/NDF:135592.8/21

Right Out: 1894.349+/-0.500 χ^2/NDF: 220541.1/18

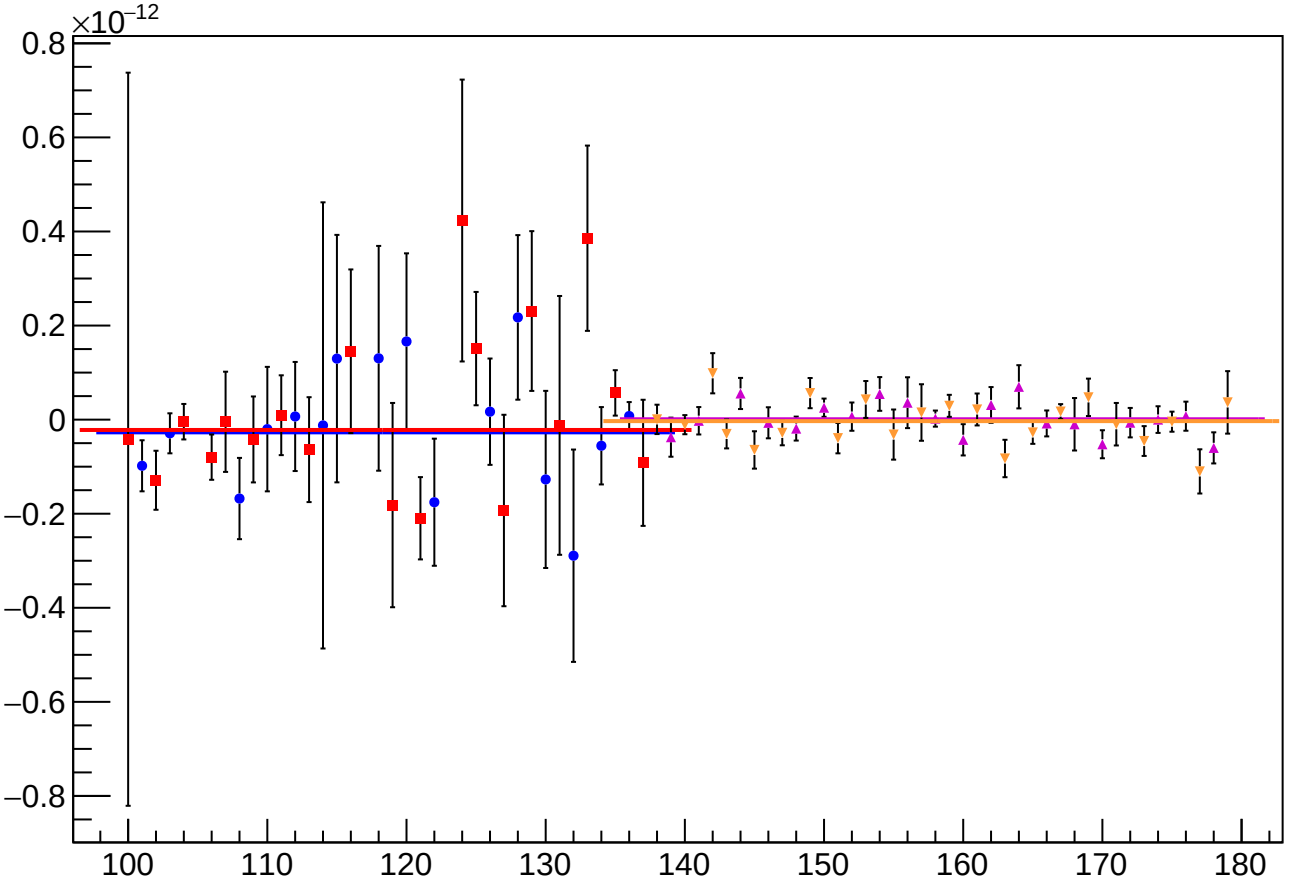
Left In: 1933.788+/-0.339 χ^2/NDF:154388.9/19

+ sign 1942.434+/-0.279 χ^2/NDF: 797469.6/37

All: 1931.961+/-0.198 χ^2/NDF: 1179510.2/76

- sign 1921.341+/-0.281 χ^2/NDF: 379196.1/38

asym_usr_atr1_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 12.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:34.4/21

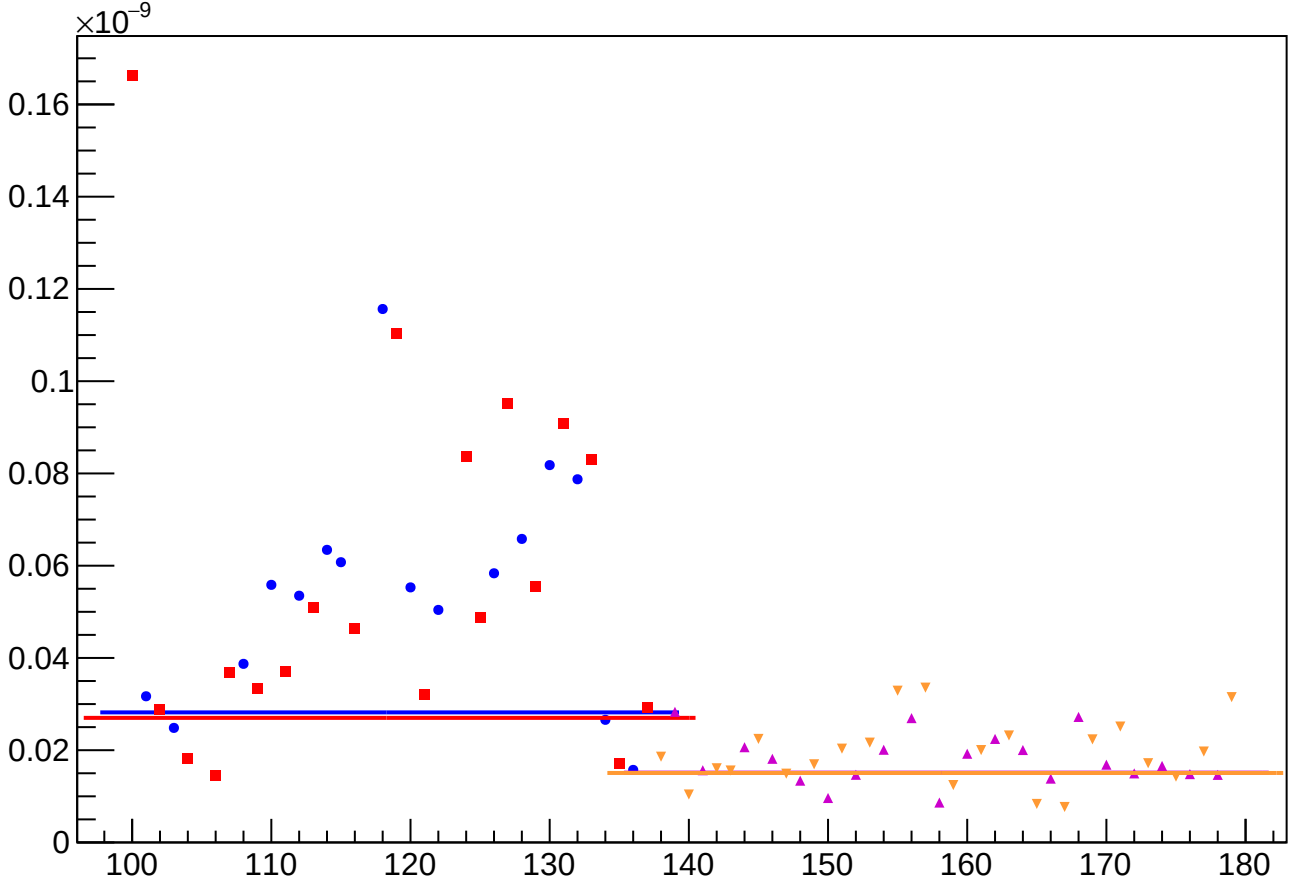
Right Out: -0.000+/-0.000 χ^2/NDF: 25.4/18

Left In: 0.000+/-0.000 χ^2/NDF:20.0/19

+ sign -0.000+/-0.000 χ^2/NDF: 48.6/37

All: -0.000+/-0.000 χ^2/NDF: 95.4/76

- sign -0.000+/-0.000 χ^2/NDF: 46.7/38



Right In: 0.000+/-0.000 χ^2/NDF: 1490571.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1790306.2/21

Right Out: 0.000+/-0.000 χ^2/NDF: 1556165.9/18

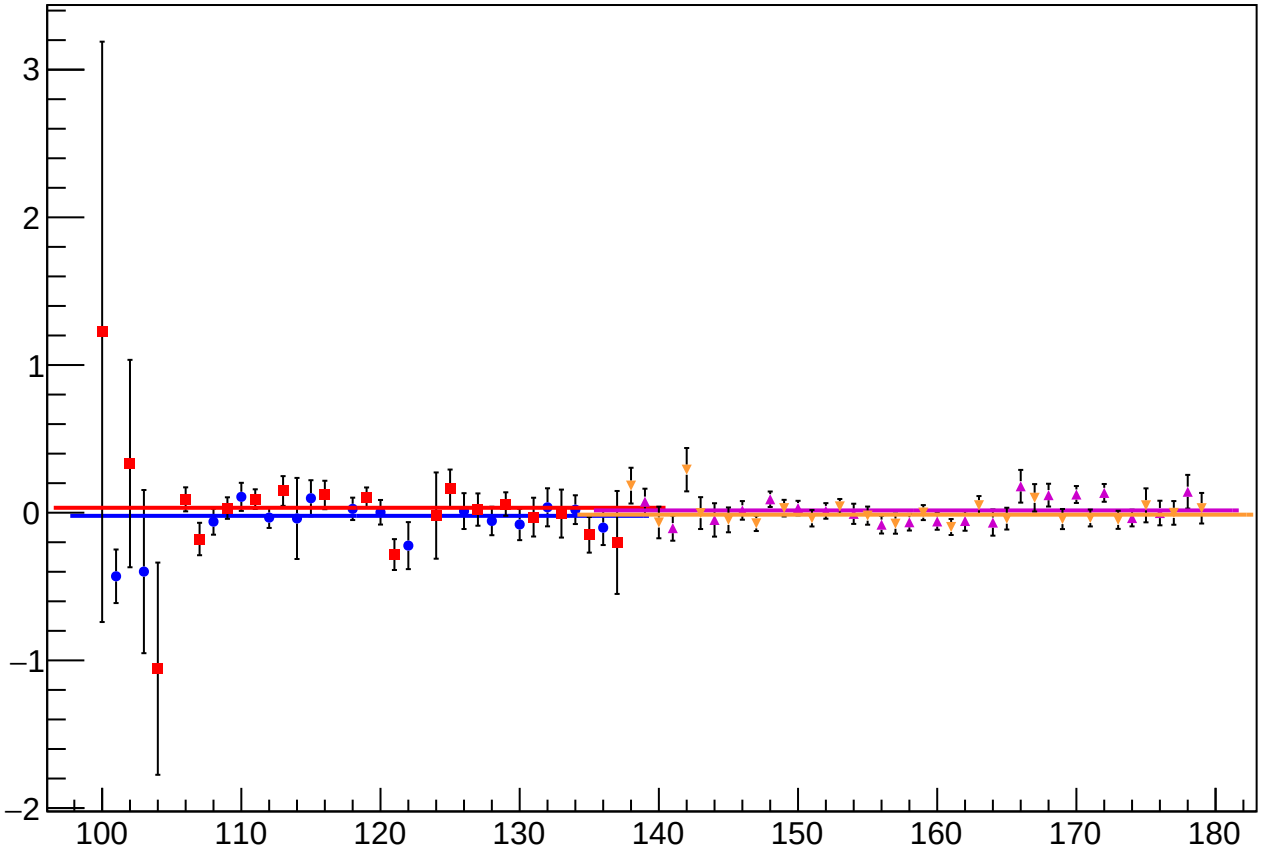
Left In: 0.000+/-0.000 χ^2/NDF:1104545.8/19

+ sign 0.000+/-0.000 χ^2/NDF: 4125621.4/37

All: 0.000+/-0.000 χ^2/NDF: 7458059.3/76

- sign 0.000+/-0.000 χ^2/NDF: 3332435.5/38

asym_usr_atr1_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.021+/-0.027 χ^2/NDF: 12.0/15

Left Out: -0.013+/-0.015 χ^2/NDF:17.8/21

Right Out: 0.033+/-0.025 χ^2/NDF: 24.4/18

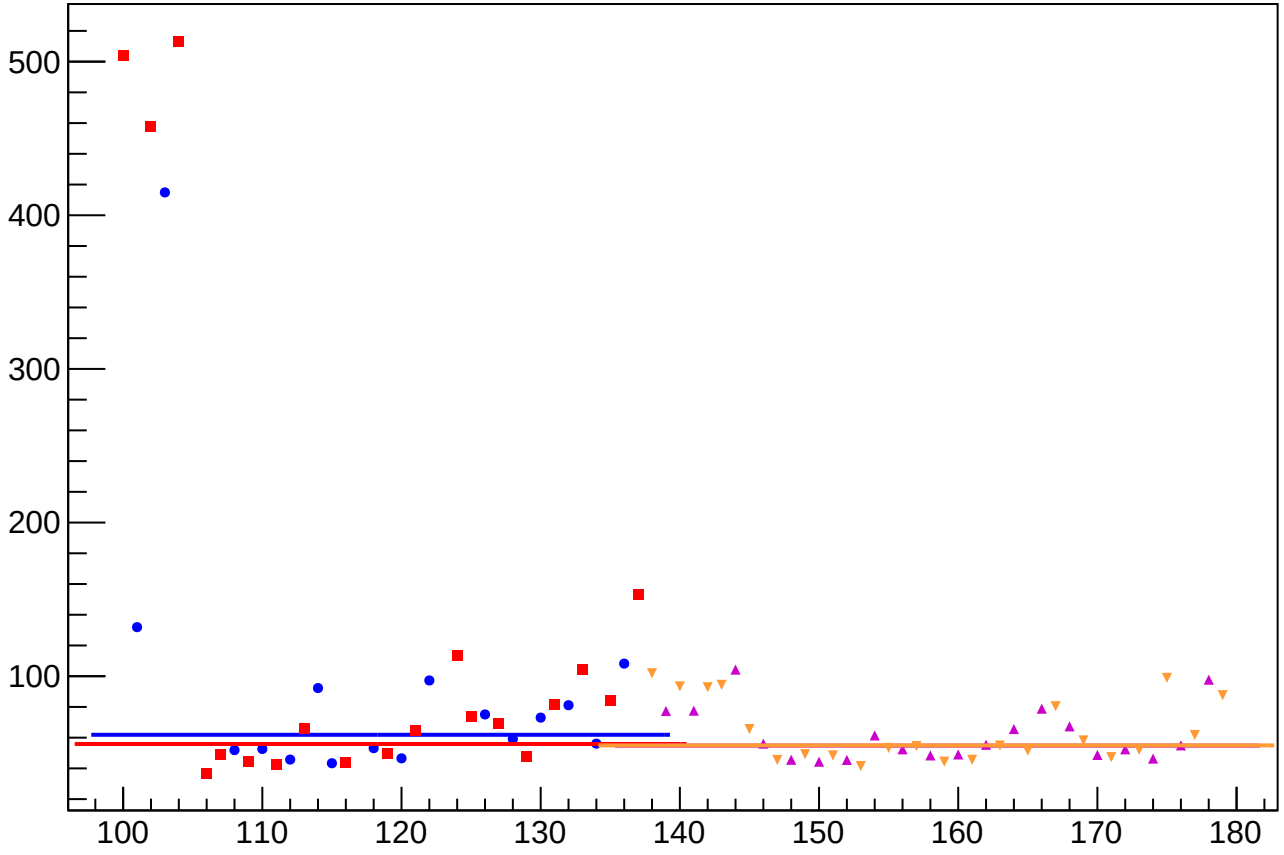
Left In: 0.015+/-0.015 χ^2/NDF:26.9/19

+ sign -0.015+/-0.013 χ^2/NDF: 29.9/37

All: 0.003+/-0.009 χ^2/NDF: 85.4/76

- sign 0.020+/-0.013 χ^2/NDF: 51.7/38

asym_usr_atr1_avg_dit_vs_cor_diff_rms vs Slug



Right In: 61.876+/-0.019 χ^2/NDF: 1937953.9/15

Left Out: 54.970+/-0.010 χ^2/NDF:2100960.9/21

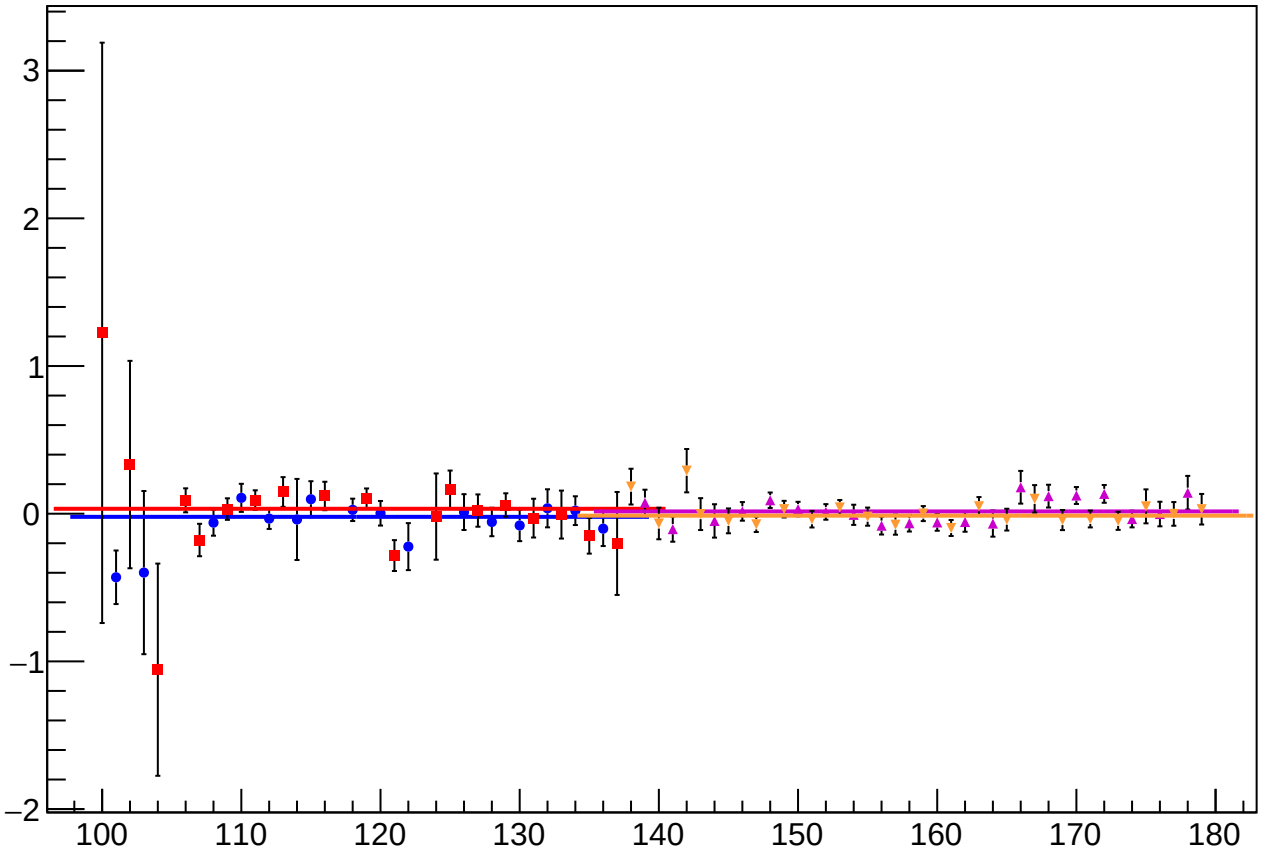
Right Out: 55.887+/-0.017 χ^2/NDF: 2591275.8/18

Left In: 54.812+/-0.010 χ^2/NDF:1470532.2/19

+ sign 56.569+/-0.009 χ^2/NDF: 4142851.0/37

All: 55.827+/-0.006 χ^2/NDF: 8220834.0/76

- sign 55.098+/-0.009 χ^2/NDF: 4064617.7/38



Right In: -0.021+/-0.027 χ^2/NDF: 12.0/15

Left Out: -0.013+/-0.015 χ^2/NDF:17.8/21

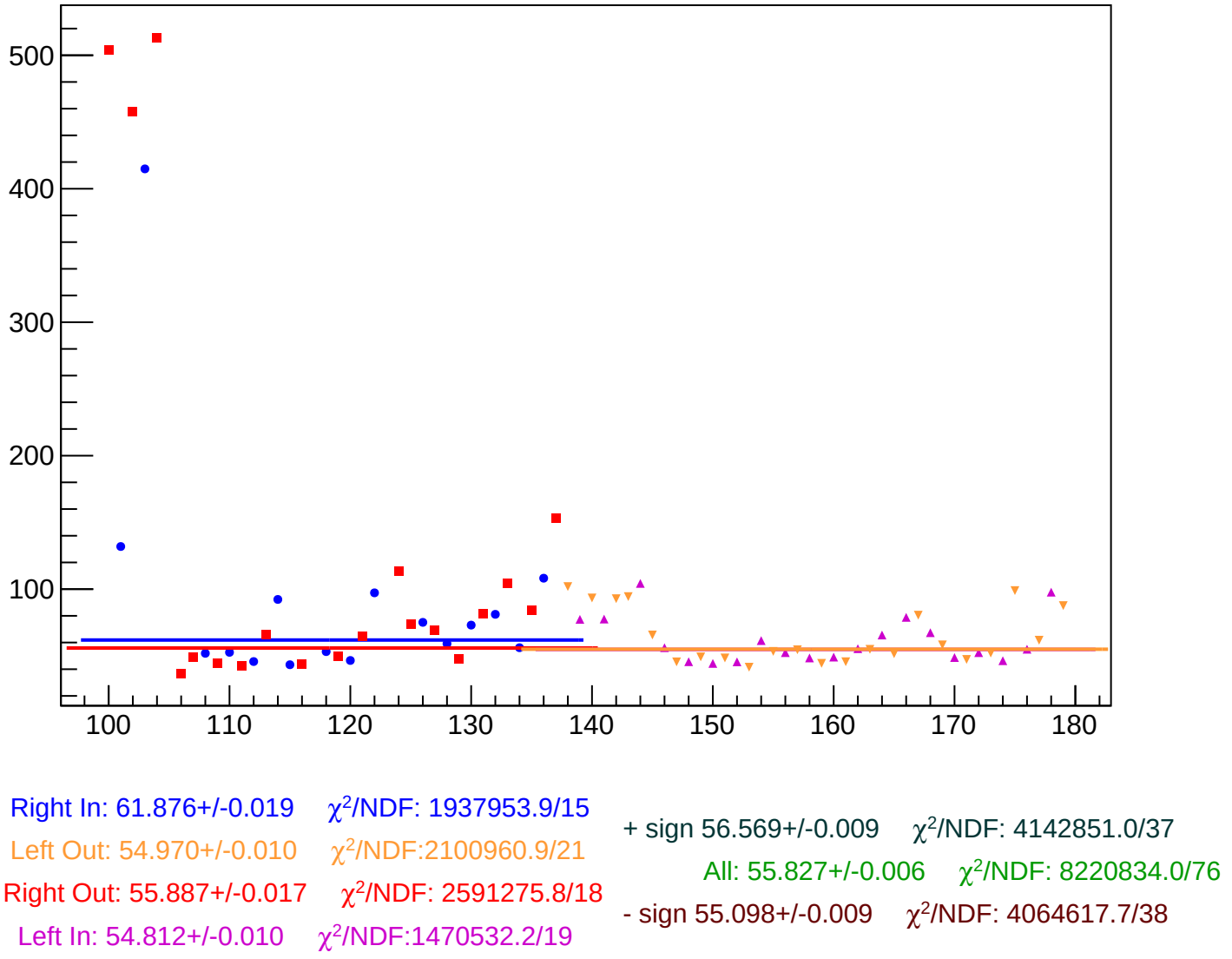
Right Out: 0.033+/-0.025 χ^2/NDF: 24.4/18

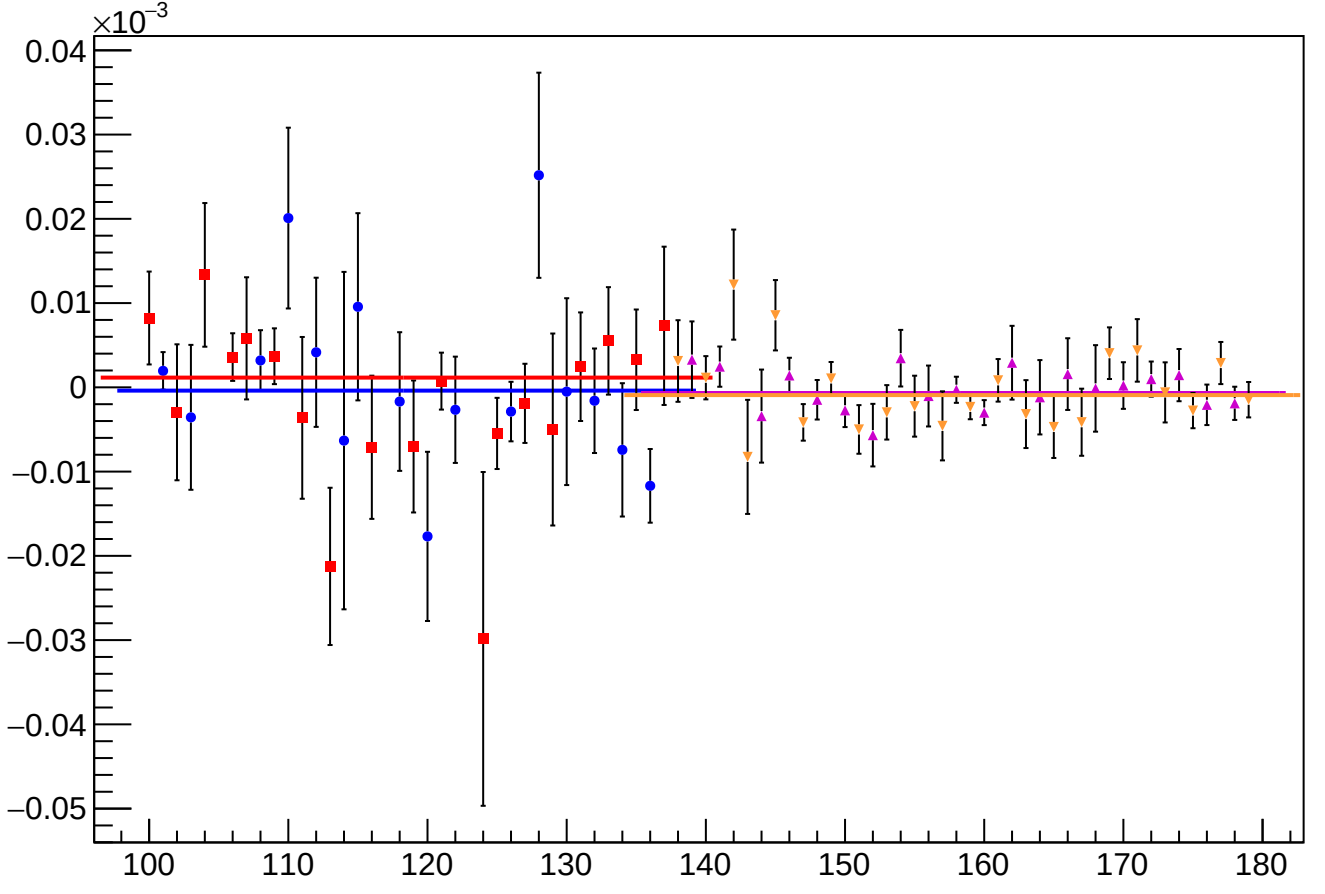
Left In: 0.015+/-0.015 χ^2/NDF:26.9/19

+ sign -0.015+/-0.013 χ^2/NDF: 29.9/37

All: 0.003+/-0.009 χ^2/NDF: 85.4/76

- sign 0.020+/-0.013 χ^2/NDF: 51.7/38


asym_usr_atr1_avg_dit_vs_eigen_cor_diff_rms vs Slug
500
400
300
200
100
100
110
120
130
140
150
160
170
180
Right In: 61.876+/-0.019 χ²/NDF: 1937953.9/15
Left Out: 54.970+/-0.010 χ²/NDF:2100960.9/21
Right Out: 55.887+/-0.017 χ²/NDF: 2591275.8/18
Left In: 54.812+/-0.010 χ²/NDF:1470532.2/19
+ sign 56.569+/-0.009 χ²/NDF: 4142851.0/37
All: 55.827+/-0.006 χ²/NDF: 8220834.0/76
- sign 55.098+/-0.009 χ²/NDF: 4064617.7/38



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:29.5/21

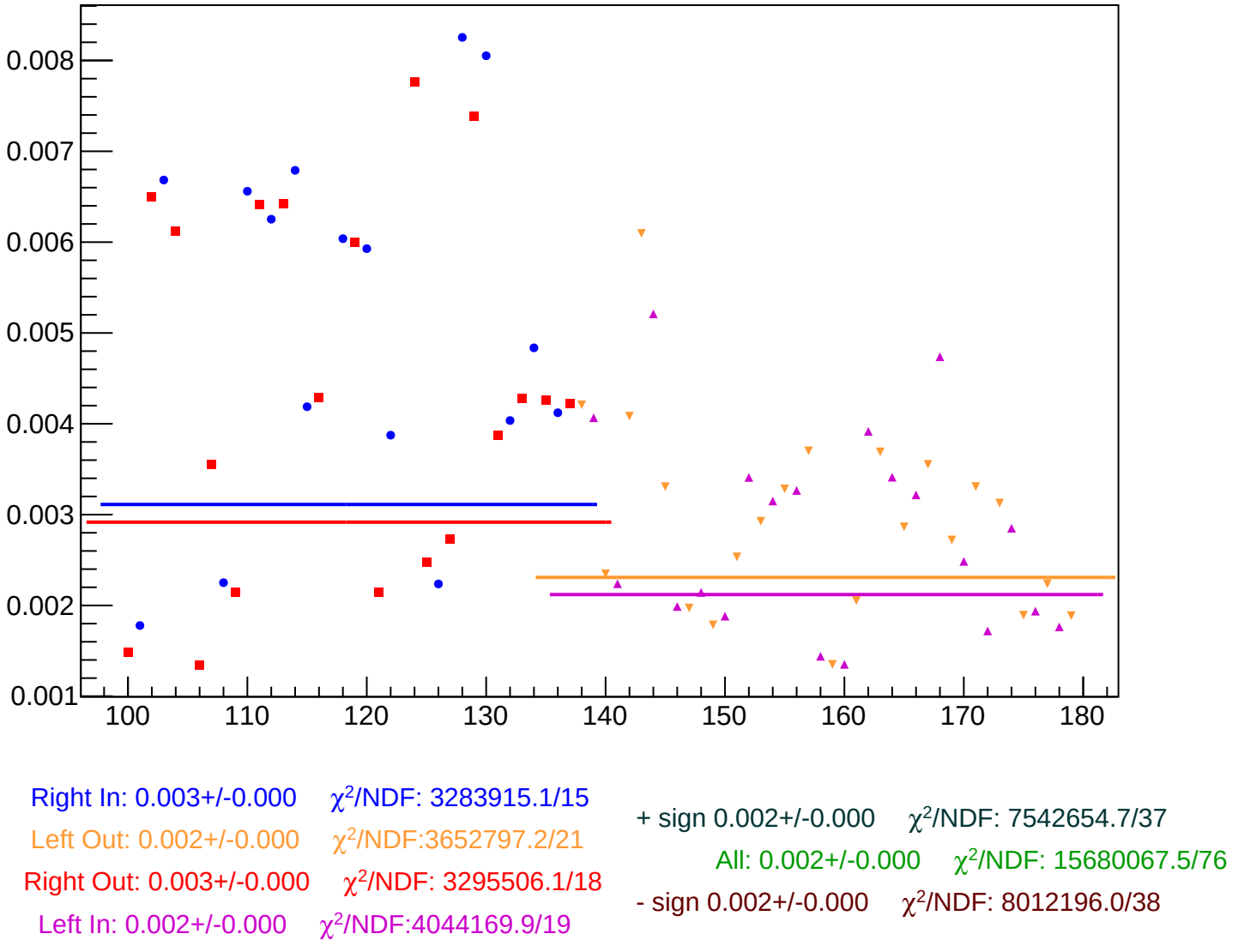
Right Out: 0.000+/-0.000 χ^2/NDF: 20.4/18

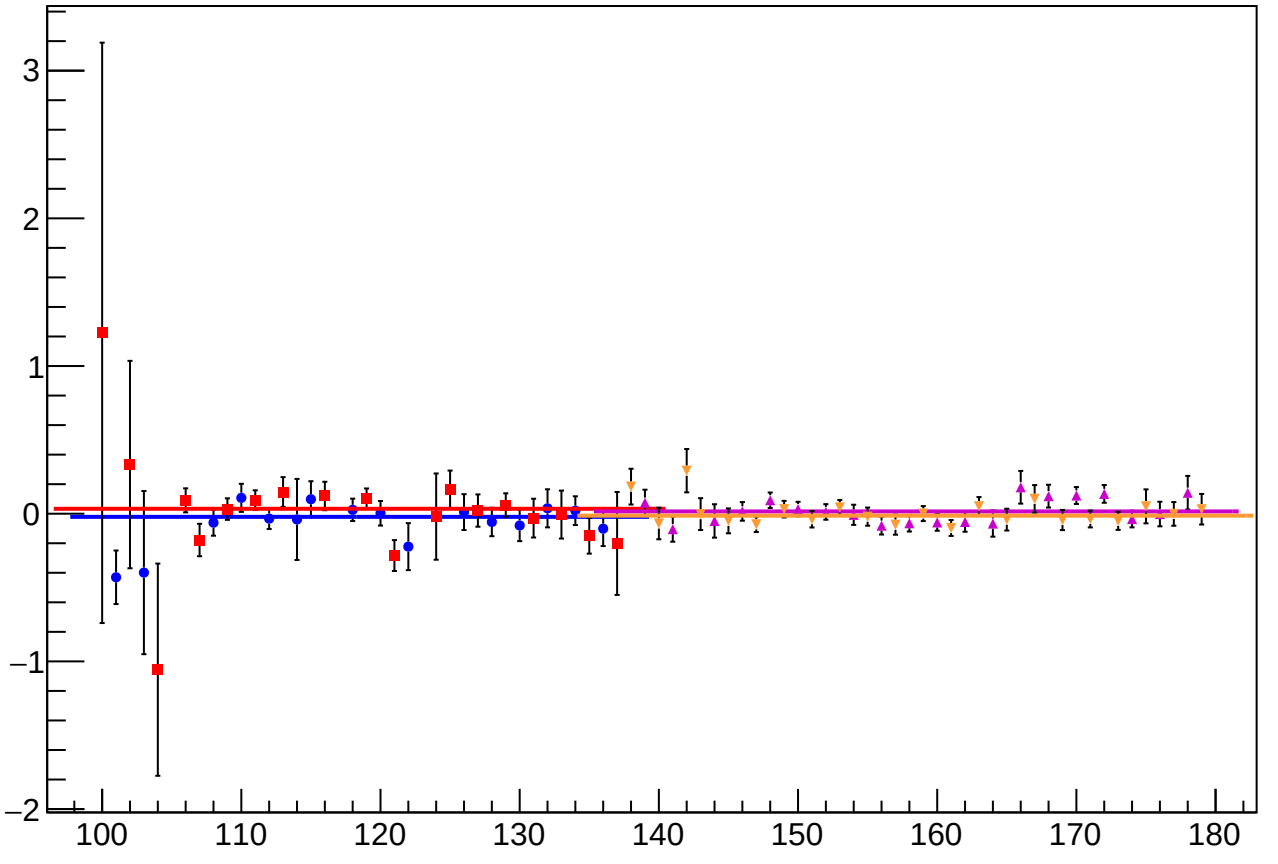
Left In: -0.000+/-0.000 χ^2/NDF:13.7/19

+ sign -0.000+/-0.000 χ^2/NDF: 52.2/37

All: -0.000+/-0.000 χ^2/NDF: 88.5/76

- sign -0.000+/-0.000 χ^2/NDF: 35.9/38


asym_usr_atr1_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001
100
110
120
130
140
150
160
170
180
Right In: 0.003+/-0.000 χ²/NDF: 3283915.1/15
Left Out: 0.002+/-0.000 χ²/NDF:3652797.2/21
Right Out: 0.003+/-0.000 χ²/NDF: 3295506.1/18
Left In: 0.002+/-0.000 χ²/NDF:4044169.9/19
+ sign 0.002+/-0.000 χ²/NDF: 7542654.7/37
All: 0.002+/-0.000 χ²/NDF: 15680067.5/76
- sign 0.002+/-0.000 χ²/NDF: 8012196.0/38



Right In: -0.021+/-0.027 χ^2/NDF: 12.0/15

Left Out: -0.013+/-0.015 χ^2/NDF:17.8/21

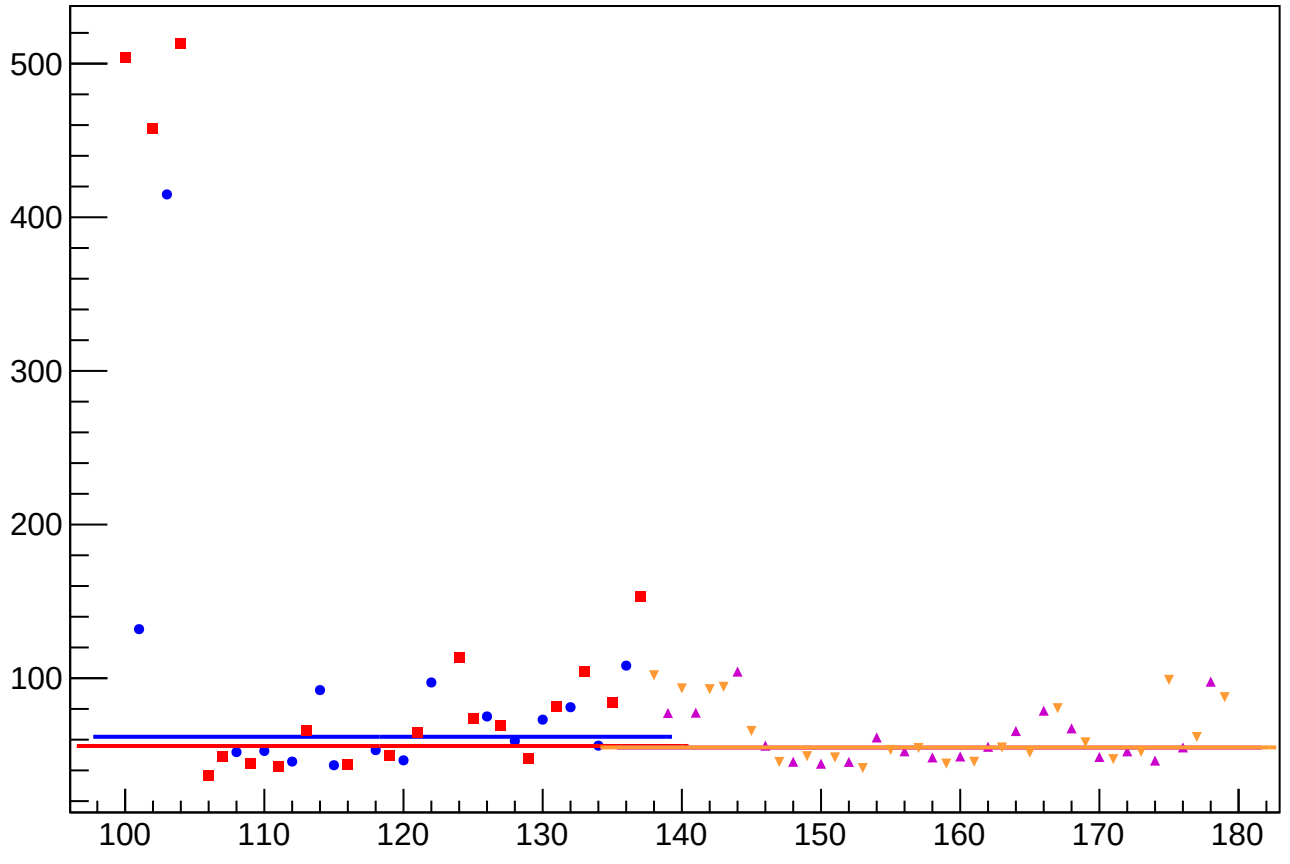
Right Out: 0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: 0.015+/-0.015 χ^2/NDF:26.9/19

+ sign -0.015+/-0.013 χ^2/NDF: 29.9/37

All: 0.003+/-0.009 χ^2/NDF: 85.4/76

- sign 0.020+/-0.013 χ^2/NDF: 51.7/38



Right In: 61.875+/-0.019 χ^2/NDF: 1937904.4/15

Left Out: 54.971+/-0.010 χ^2/NDF:2101012.8/21

Right Out: 55.886+/-0.017 χ^2/NDF: 2591233.7/18

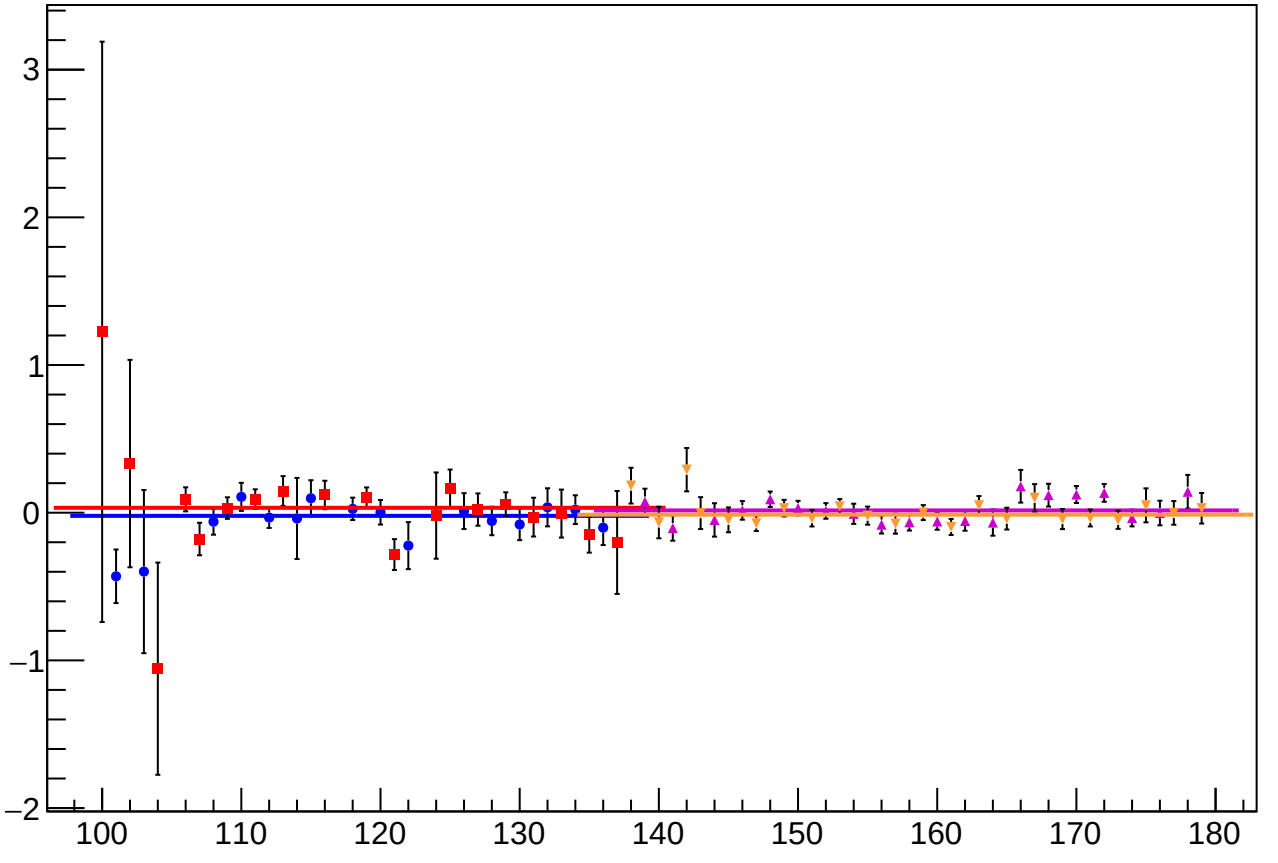
Left In: 54.812+/-0.010 χ^2/NDF:1470530.3/19

+ sign 56.569+/-0.009 χ^2/NDF: 4142829.7/37

All: 55.827+/-0.006 χ^2/NDF: 8220766.0/76

- sign 55.097+/-0.009 χ^2/NDF: 4064568.9/38

asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.021+/-0.027 χ^2/NDF: 12.0/15

Left Out: -0.013+/-0.015 χ^2/NDF:17.8/21

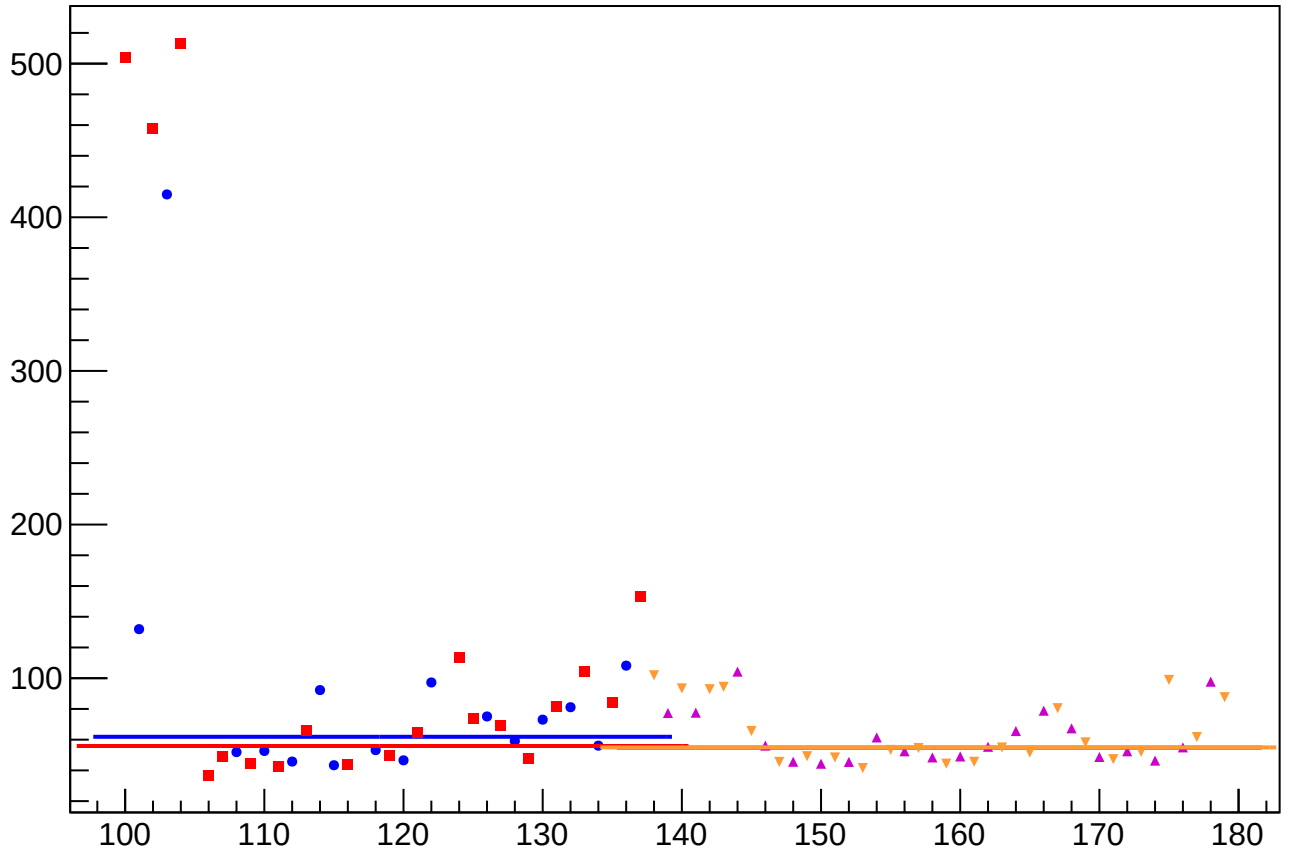
Right Out: 0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: 0.015+/-0.015 χ^2/NDF:26.9/19

+ sign -0.015+/-0.013 χ^2/NDF: 29.9/37

All: 0.003+/-0.009 χ^2/NDF: 85.4/76

- sign 0.020+/-0.013 χ^2/NDF: 51.7/38



Right In: 61.875+/-0.019 χ^2/NDF: 1937904.4/15

Left Out: 54.971+/-0.010 χ^2/NDF:2101012.8/21

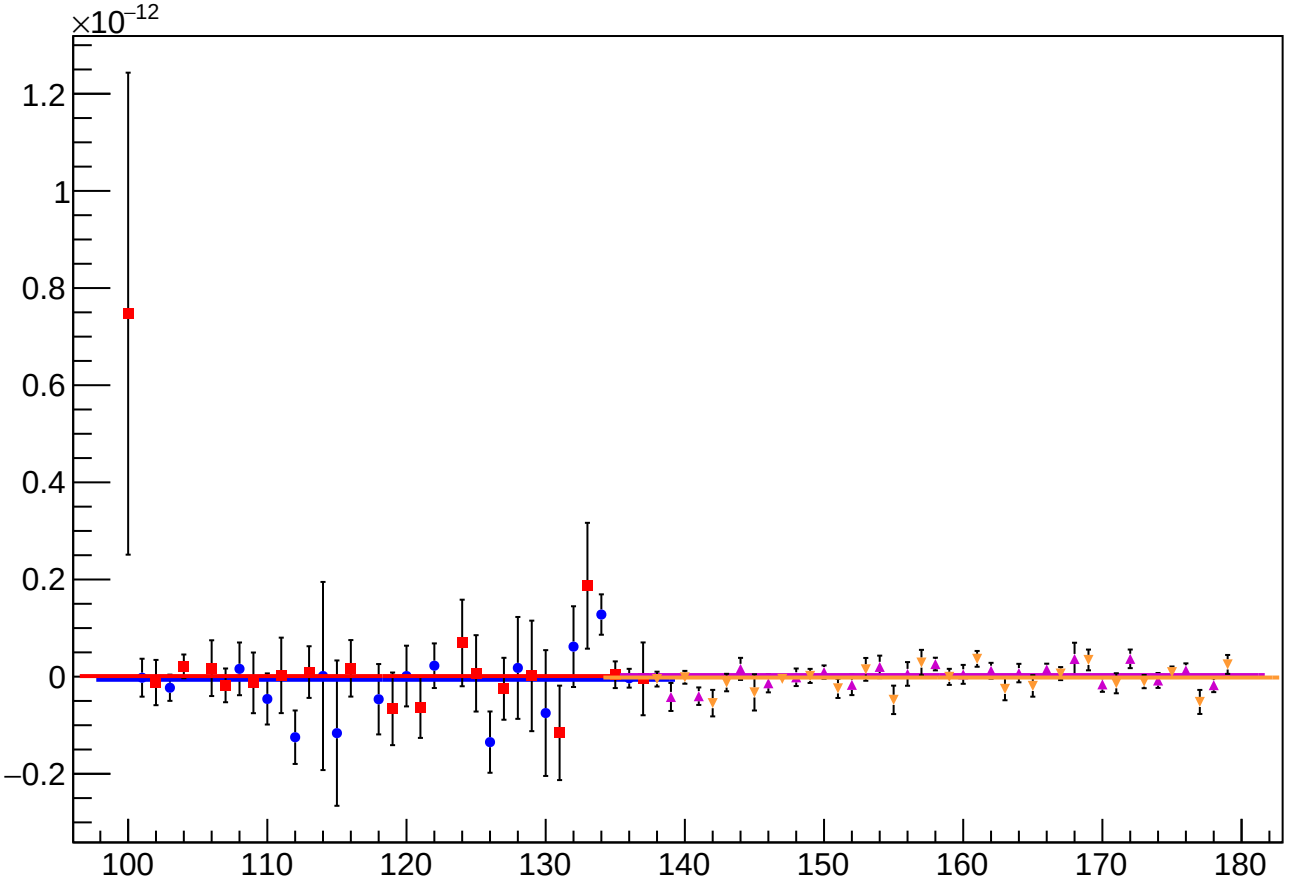
Right Out: 55.886+/-0.017 χ^2/NDF: 2591233.7/18

Left In: 54.812+/-0.010 χ^2/NDF:1470530.3/19

+ sign 56.569+/-0.009 χ^2/NDF: 4142829.7/37

All: 55.827+/-0.006 χ^2/NDF: 8220766.0/76

- sign 55.097+/-0.009 χ^2/NDF: 4064568.9/38



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:28.6/21

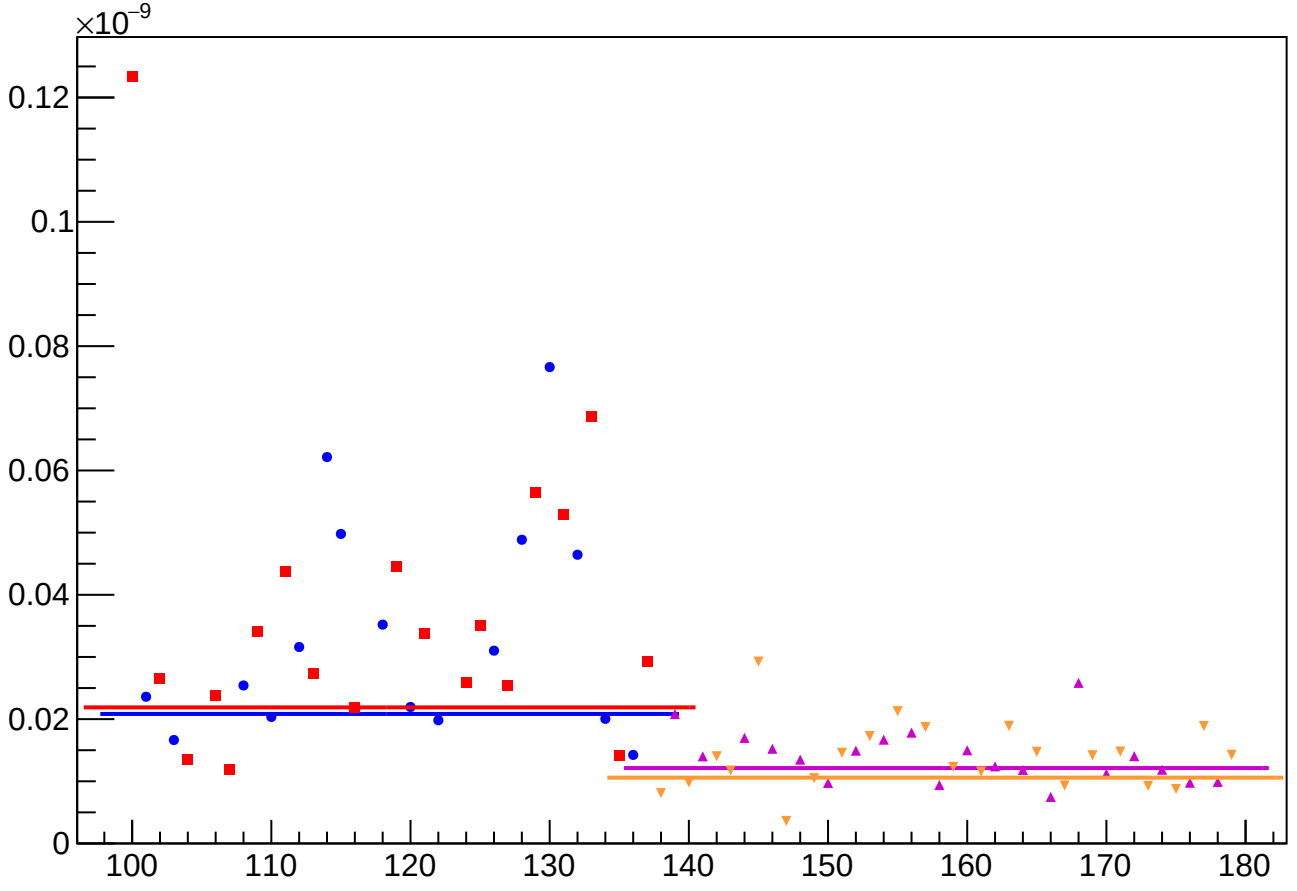
Right Out: 0.000+/-0.000 χ^2/NDF: 9.7/18

Left In: 0.000+/-0.000 χ^2/NDF:24.0/19

+ sign -0.000+/-0.000 χ^2/NDF: 51.4/37

All: 0.000+/-0.000 χ^2/NDF: 86.2/76

- sign 0.000+/-0.000 χ^2/NDF: 33.7/38



Right In: 0.000+/-0.000 χ^2/NDF: 1384606.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:3574538.4/21

Right Out: 0.000+/-0.000 χ^2/NDF: 1906656.1/18

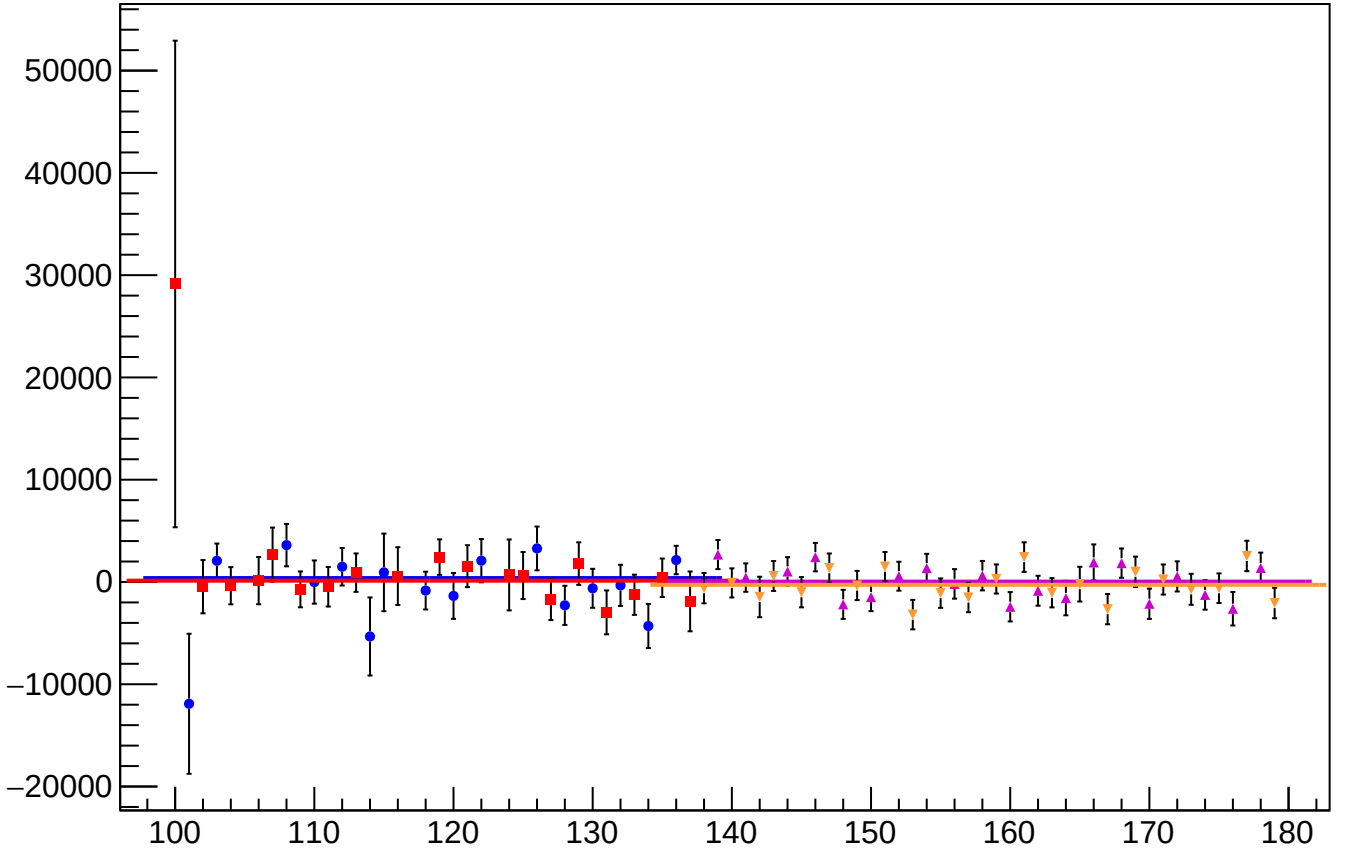
Left In: 0.000+/-0.000 χ^2/NDF:1540822.3/19

+ sign 0.000+/-0.000 χ^2/NDF: 6459961.2/37

All: 0.000+/-0.000 χ^2/NDF: 11318675.1/76

- sign 0.000+/-0.000 χ^2/NDF: 4664930.7/38

reg_asym_usr_atr1_dd_mean vs Slug



Right In: 381.403+/-517.789 χ^2/NDF: 21.5/15

Left Out: -274.509+/-315.627 χ^2/NDF:21.6/21

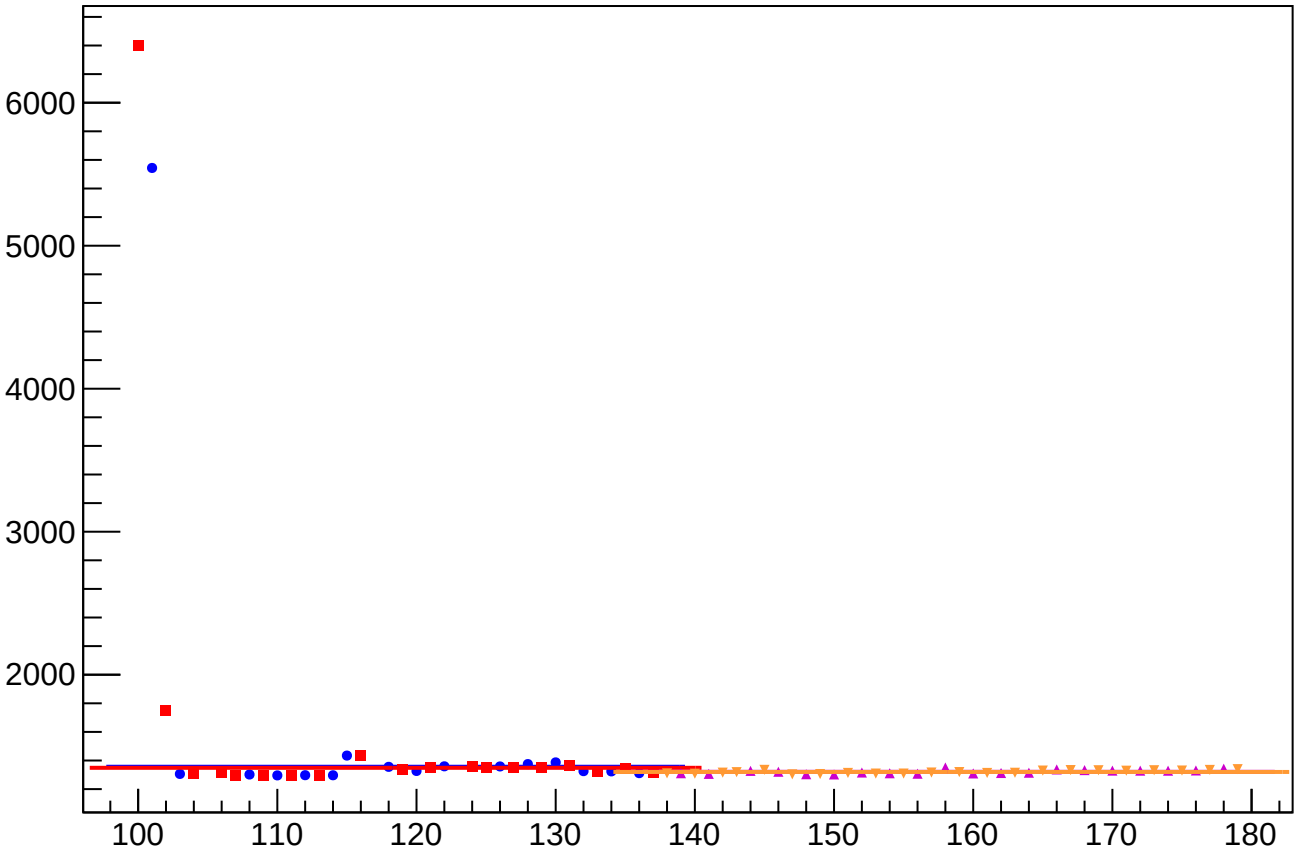
Right Out: 127.929+/-500.988 χ^2/NDF: 10.0/18

Left In: 35.534+/-326.708 χ^2/NDF:25.3/19

+ sign -96.816+/-269.504 χ^2/NDF: 44.3/37

All: -18.080+/-192.020 χ^2/NDF: 79.8/76

- sign 63.103+/-273.660 χ^2/NDF: 35.3/38



Right In: 1356.397+/-0.366 χ^2/NDF: 760266.3/15

Left Out: 1319.988+/-0.223 χ^2/NDF:2474.9/21

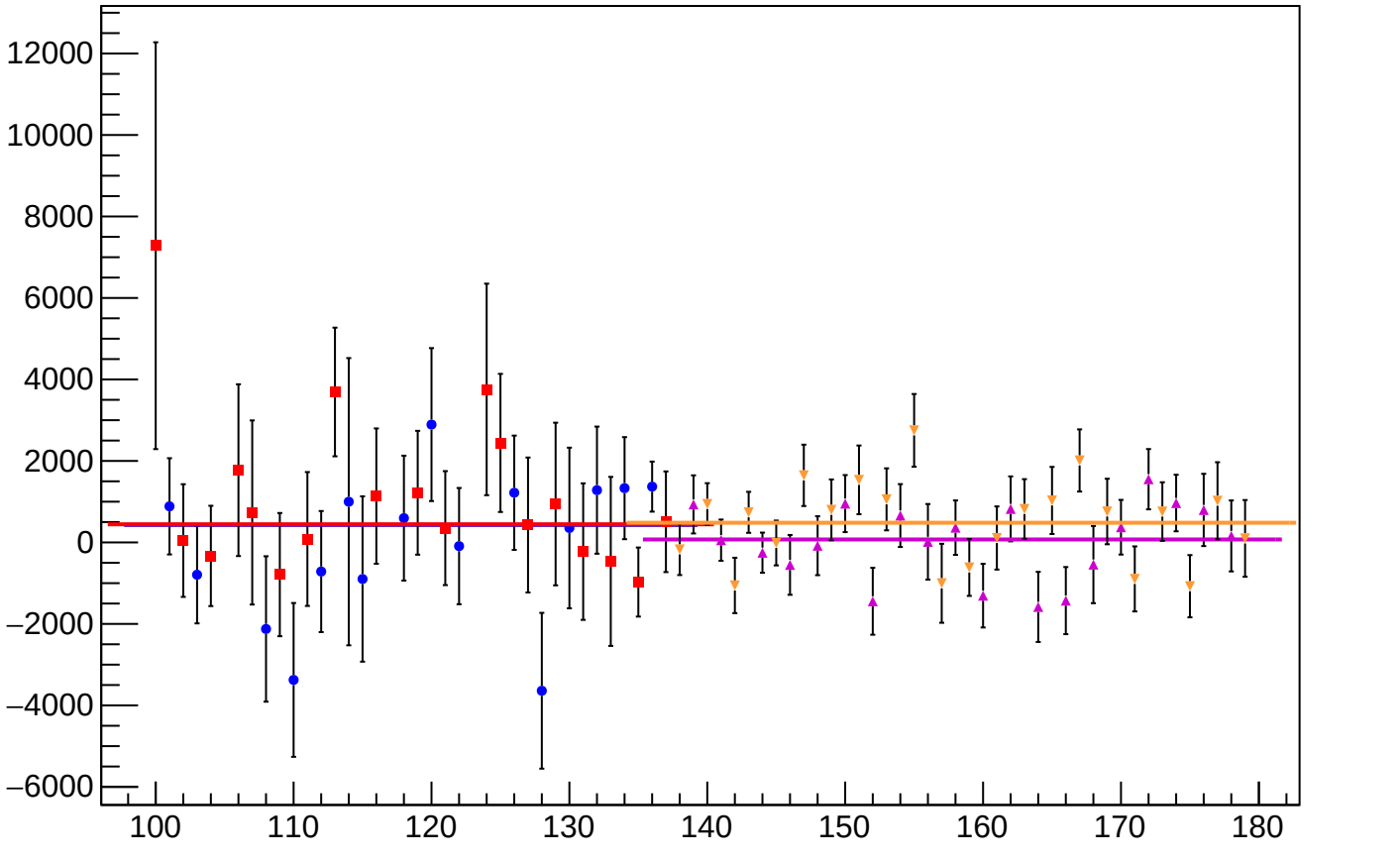
Right Out: 1348.975+/-0.354 χ^2/NDF: 147265.6/18

Left In: 1320.835+/-0.231 χ^2/NDF:3396.8/19

+ sign 1329.852+/-0.191 χ^2/NDF: 769950.8/37

All: 1329.546+/-0.136 χ^2/NDF: 925045.7/76

- sign 1329.231+/-0.194 χ^2/NDF: 155089.6/38



Right In: 430.363+/-338.459 χ^2/NDF: 18.2/15

Left Out: 483.027+/-153.241 χ^2/NDF:36.9/21

Right Out: 444.555+/-355.594 χ^2/NDF: 14.4/18

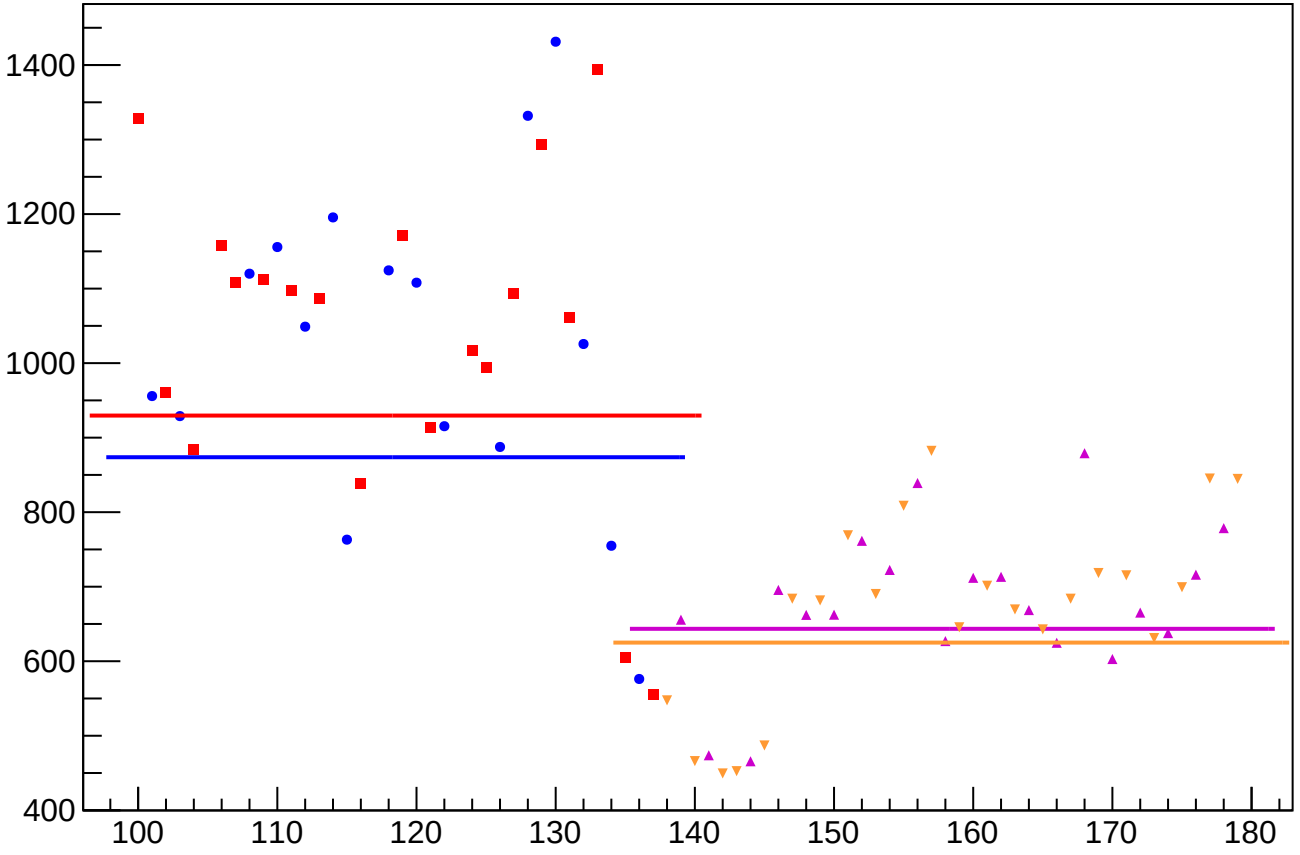
Left In: 72.605+/-161.758 χ^2/NDF:26.4/19

\+ sign 474.068+/-139.600 χ^2/NDF: 55.1/37

All: 314.211+/-101.305 χ^2/NDF: 99.6/76

\- sign 136.376+/-147.240 χ^2/NDF: 41.7/38

asym_usr_atr1_dd_reg_correction_rms vs Slug



Right In: 873.733+/-0.239 χ^2/NDF: 1014860.8/15

Left Out: 625.000+/-0.108 χ^2/NDF:1371528.1/21

Right Out: 929.637+/-0.251 χ^2/NDF: 859936.0/18

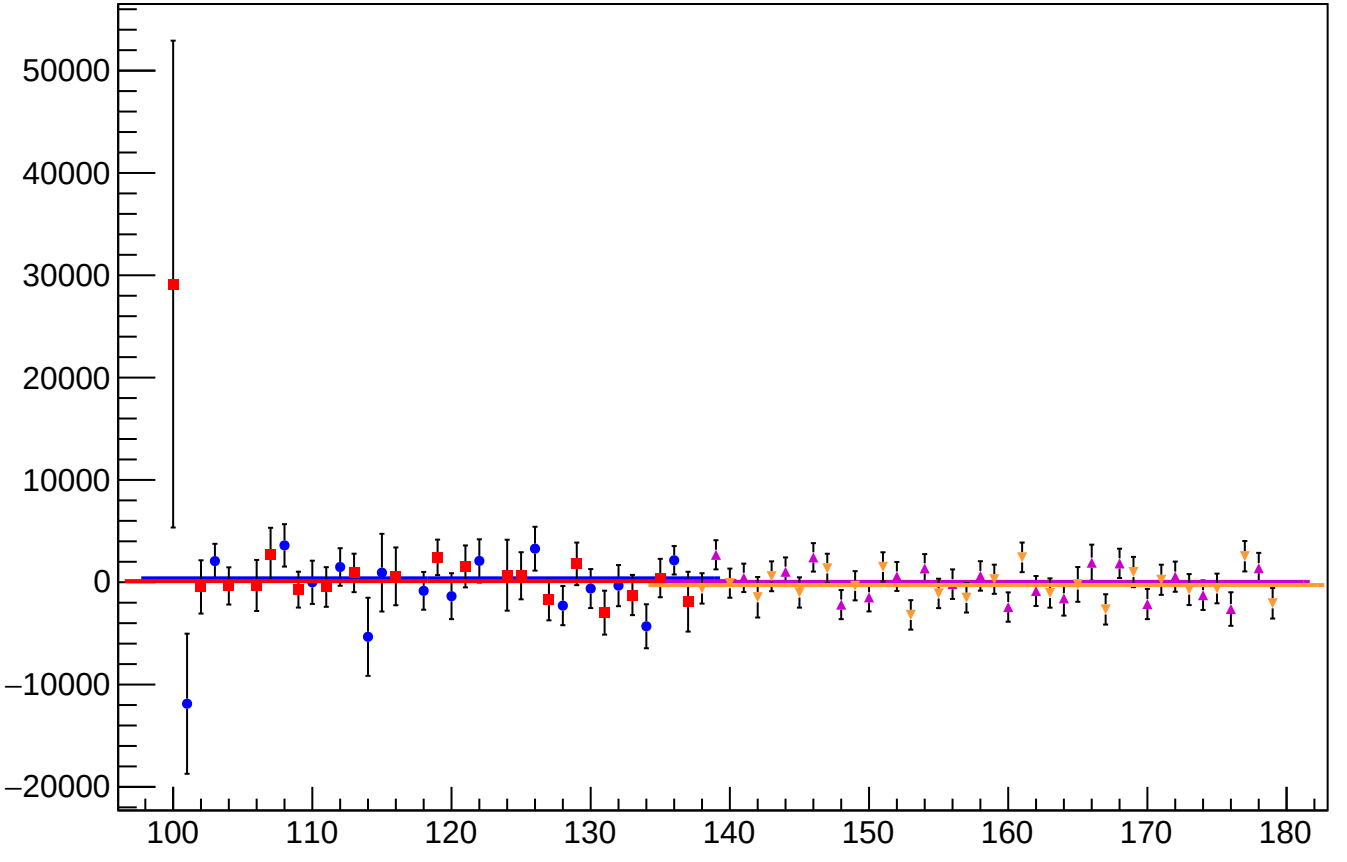
Left In: 643.478+/-0.114 χ^2/NDF:878325.3/19

\+ sign 667.314+/-0.099 χ^2/NDF: 3282782.5/37

All: 679.256+/-0.072 χ^2/NDF: 6125090.0/76

\- sign 692.540+/-0.104 χ^2/NDF: 2811392.2/38

cor_asym_usr_atr1_dd_mean vs Slug



Right In: 381.712+/-517.789 χ^2/NDF: 21.5/15

Left Out: -274.525+/-315.627 χ^2/NDF:21.6/21

Right Out: 110.280+/-502.698 χ^2/NDF: 10.0/18

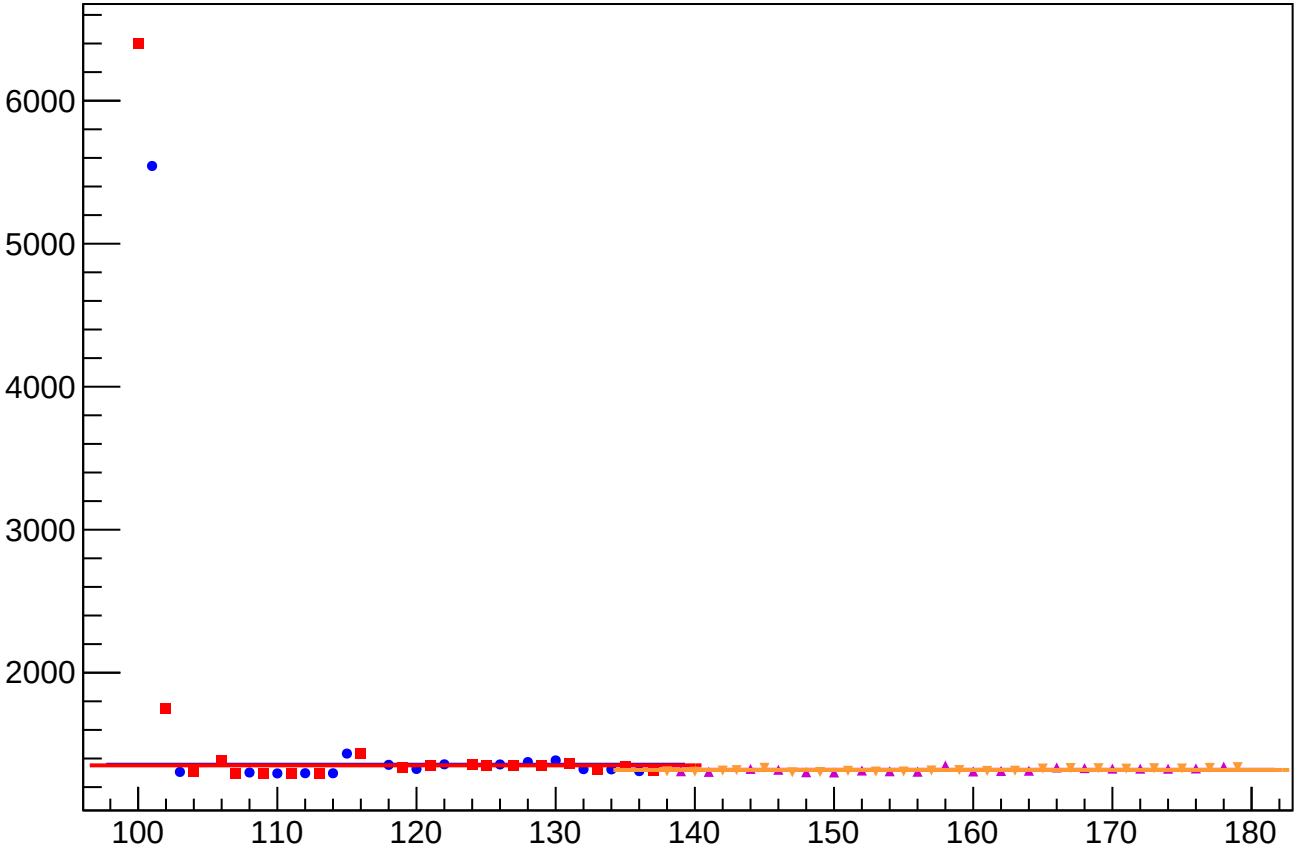
Left In: 35.587+/-326.708 χ^2/NDF:25.3/19

+ sign -96.745+/-269.504 χ^2/NDF: 44.3/37

All: -20.749+/-192.116 χ^2/NDF: 79.8/76

- sign 57.768+/-273.938 χ^2/NDF: 35.3/38

cor_asym_usr_atr1_dd_rms vs Slug



Right In: 1356.397+/-0.366 χ^2/NDF: 760265.4/15

Left Out: 1319.988+/-0.223 χ^2/NDF:2474.9/21

Right Out: 1352.083+/-0.355 χ^2/NDF: 147326.5/18

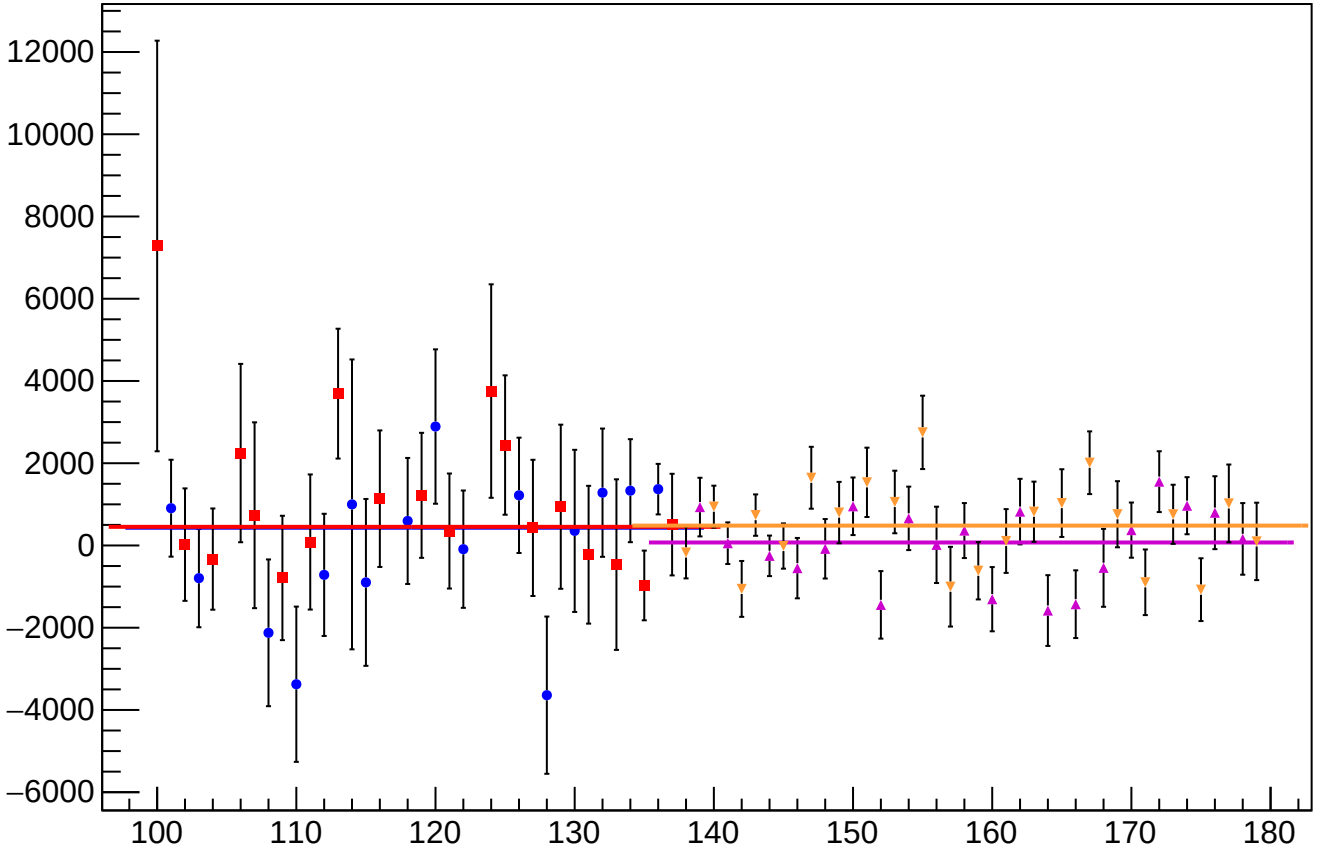
Left In: 1320.835+/-0.231 χ^2/NDF:3396.8/19

+ sign 1329.852+/-0.191 χ^2/NDF: 769949.8/37

All: 1329.981+/-0.136 χ^2/NDF: 926107.4/76

- sign 1330.114+/-0.194 χ^2/NDF: 156156.7/38

asym_usr_atr1_dd_cor_correction_mean vs Slug



Right In: 432.135+/-338.403 χ^2/NDF: 18.2/15

Left Out: 483.007+/-153.241 χ^2/NDF:36.9/21

Right Out: 453.039+/-355.599 χ^2/NDF: 14.7/18

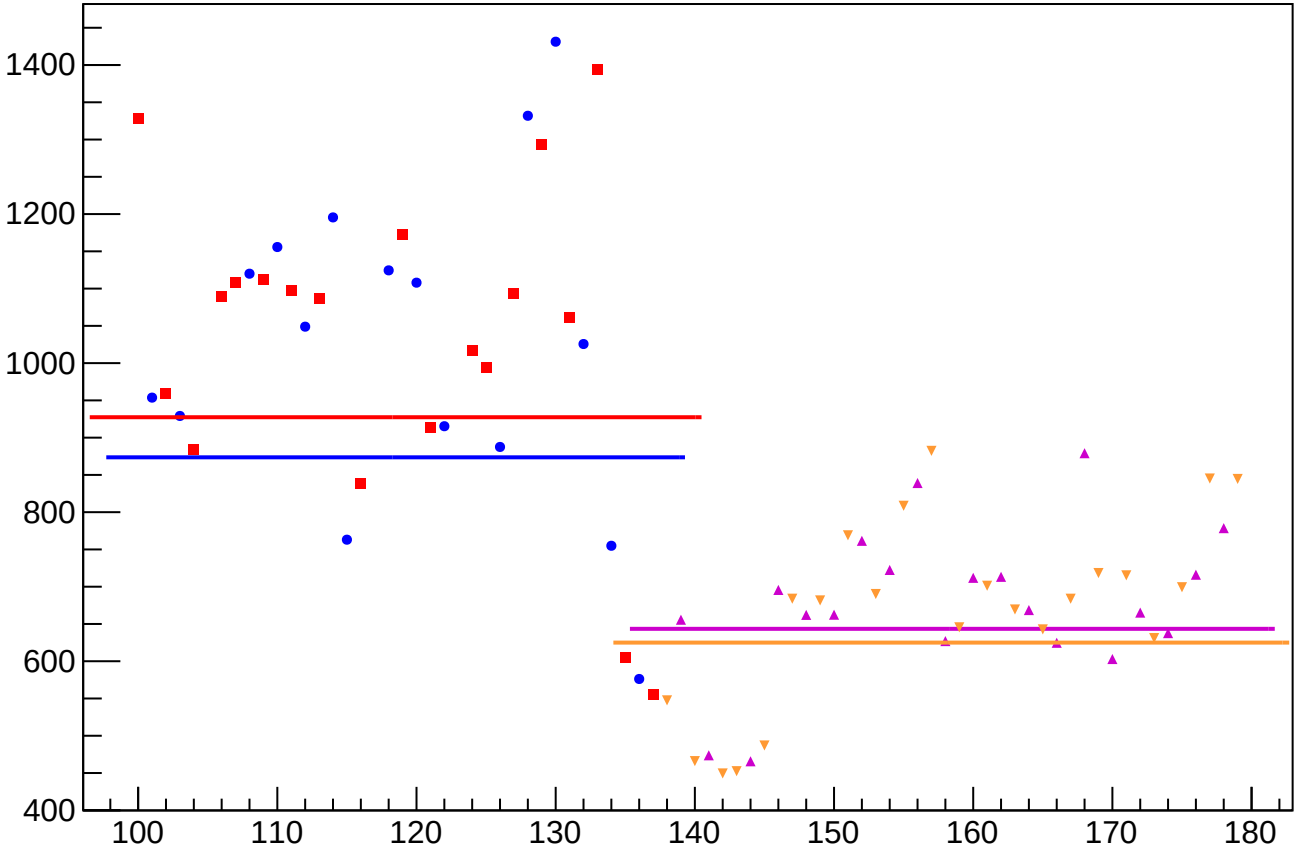
Left In: 72.609+/-161.757 χ^2/NDF:26.4/19

+ sign 474.350+/-139.595 χ^2/NDF: 55.2/37

All: 315.053+/-101.303 χ^2/NDF: 100.0/76

- sign 137.832+/-147.239 χ^2/NDF: 42.0/38

asym_usr_atr1_dd_cor_correction_rms vs Slug



Right In: 873.606+/-0.239 χ^2/NDF: 1014405.7/15

Left Out: 625.000+/-0.108 χ^2/NDF:1371433.4/21

Right Out: 927.407+/-0.251 χ^2/NDF: 847382.0/18

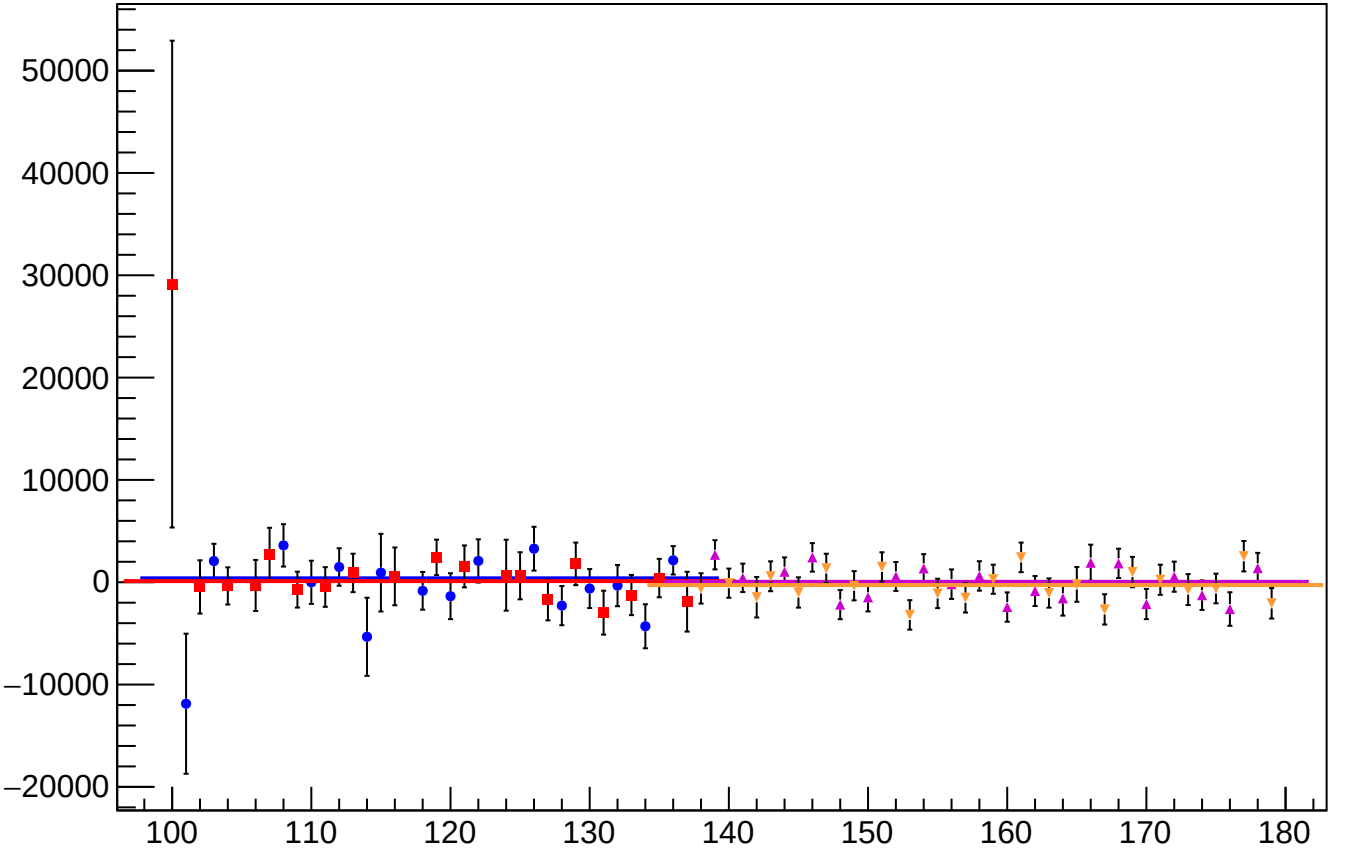
Left In: 643.471+/-0.114 χ^2/NDF:878378.7/19

\+ sign 667.304+/-0.099 χ^2/NDF: 3281572.4/37

All: 679.066+/-0.072 χ^2/NDF: 6093826.9/76

\- sign 692.151+/-0.104 χ^2/NDF: 2782260.9/38

eigen_cor_asym_usr_atr1_dd_mean vs Slug



Right In: 381.712+/-517.789 χ^2/NDF: 21.5/15

Left Out: -274.525+/-315.627 χ^2/NDF:21.6/21

Right Out: 110.280+/-502.698 χ^2/NDF: 10.0/18

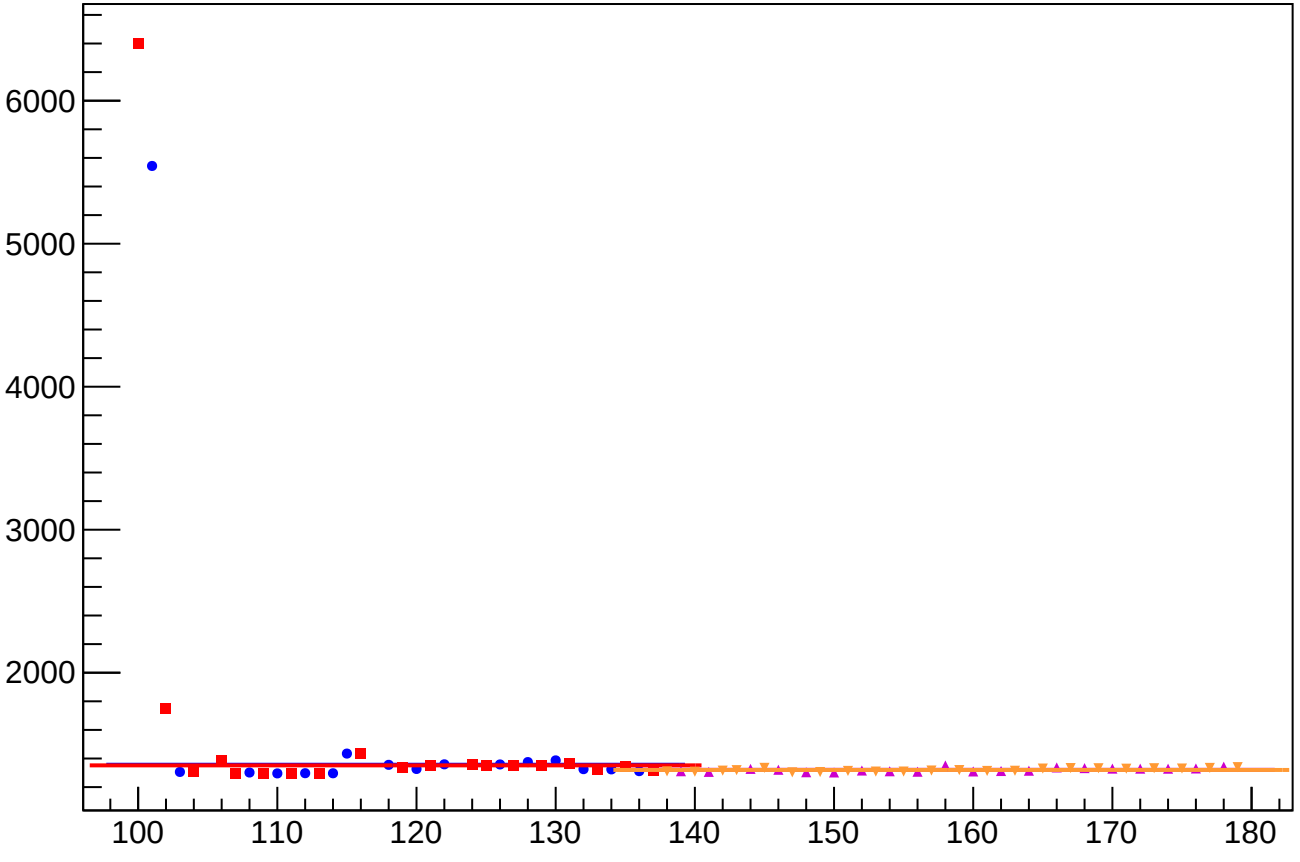
Left In: 35.587+/-326.708 χ^2/NDF:25.3/19

+ sign -96.745+/-269.504 χ^2/NDF: 44.3/37

All: -20.749+/-192.116 χ^2/NDF: 79.8/76

- sign 57.768+/-273.938 χ^2/NDF: 35.3/38

eigen_cor_asym_usr_atr1_dd_rms vs Slug



Right In: 1356.397+/-0.366 χ^2/NDF: 760265.4/15

Left Out: 1319.988+/-0.223 χ^2/NDF:2474.9/21

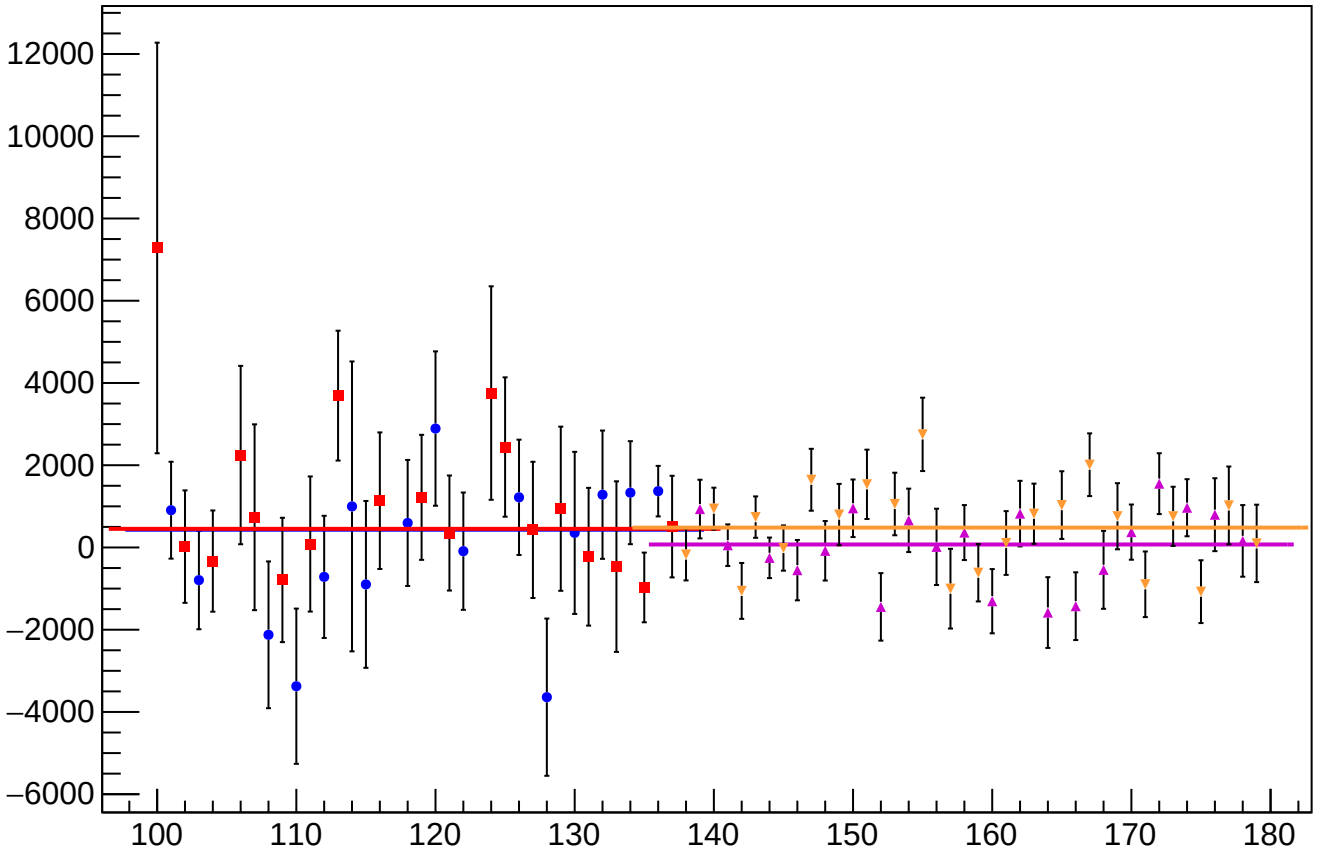
Right Out: 1352.083+/-0.355 χ^2/NDF: 147326.5/18

Left In: 1320.835+/-0.231 χ^2/NDF:3396.8/19

+ sign 1329.852+/-0.191 χ^2/NDF: 769949.8/37

All: 1329.981+/-0.136 χ^2/NDF: 926107.4/76

- sign 1330.114+/-0.194 χ^2/NDF: 156156.7/38



Right In: 432.135+/-338.403 χ^2/NDF: 18.2/15

Left Out: 483.007+/-153.241 χ^2/NDF:36.9/21

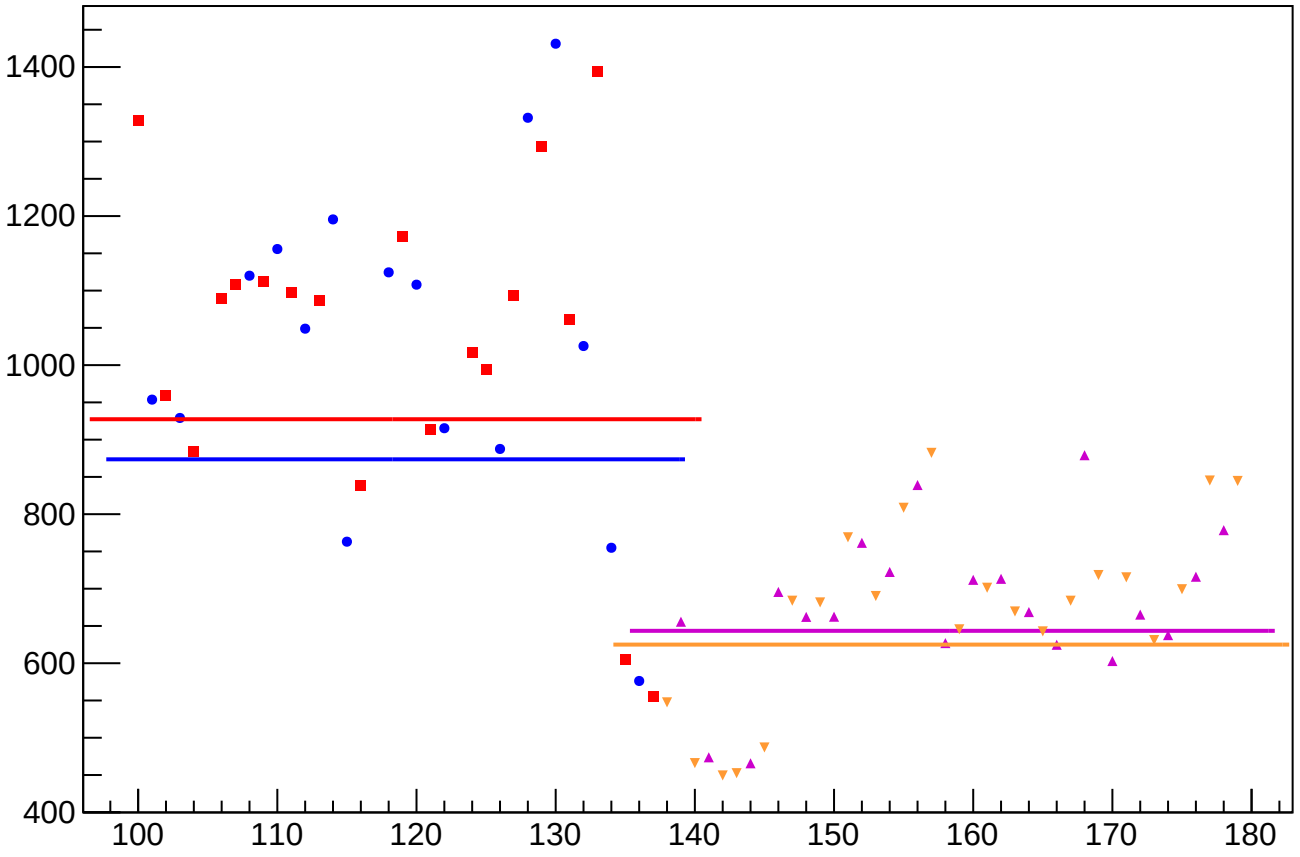
Right Out: 453.039+/-355.599 χ^2/NDF: 14.7/18

Left In: 72.609+/-161.757 χ^2/NDF:26.4/19

+ sign 474.350+/-139.595 χ^2/NDF: 55.2/37

All: 315.053+/-101.303 χ^2/NDF: 100.0/76

- sign 137.832+/-147.239 χ^2/NDF: 42.0/38



Right In: 873.606+/-0.239 χ^2/NDF: 1014405.7/15

Left Out: 625.000+/-0.108 χ^2/NDF:1371433.4/21

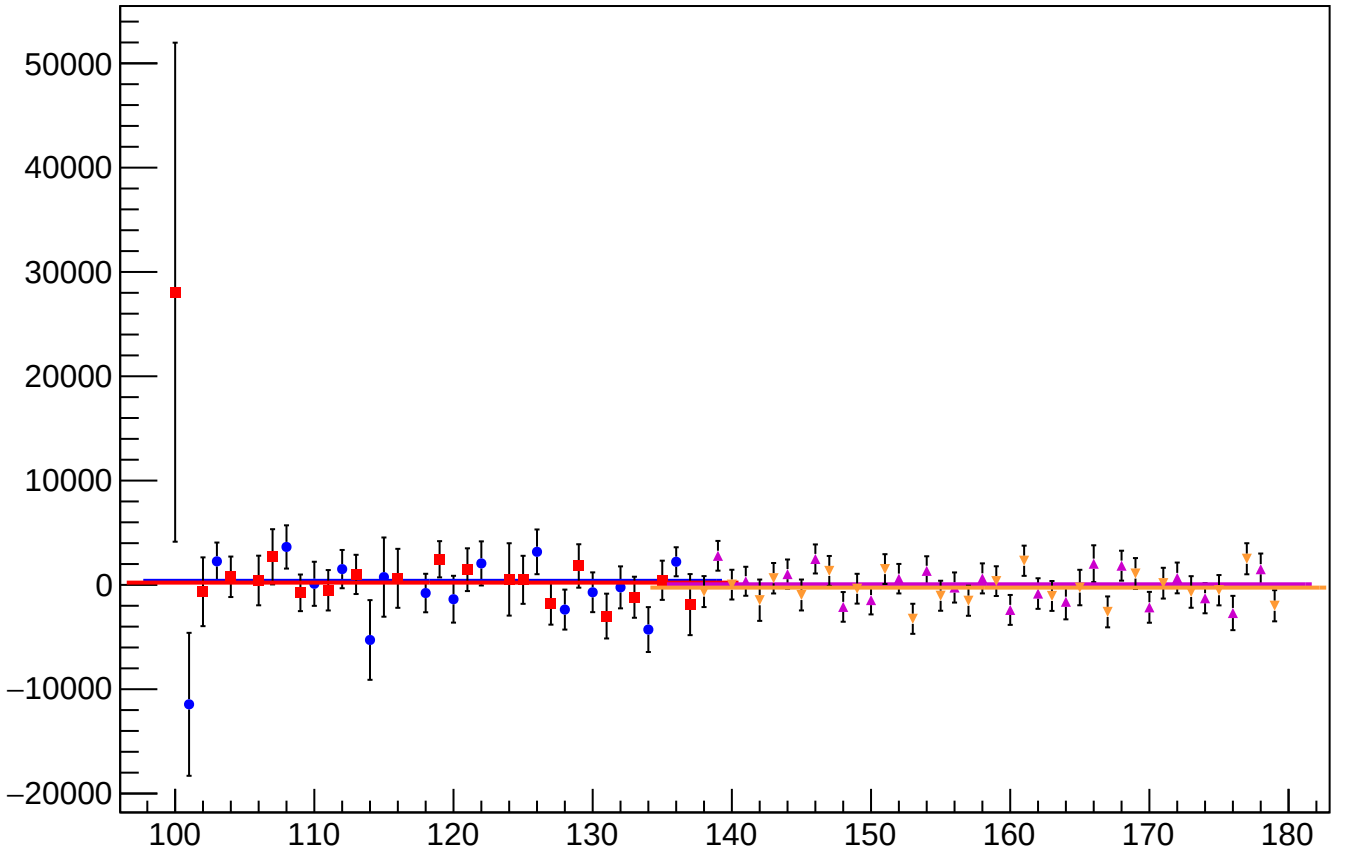
Right Out: 927.407+/-0.251 χ^2/NDF: 847382.0/18

Left In: 643.471+/-0.114 χ^2/NDF:878378.7/19

+ sign 667.304+/-0.099 χ^2/NDF: 3281572.4/37

All: 679.066+/-0.072 χ^2/NDF: 6093826.9/76

- sign 692.151+/-0.104 χ^2/NDF: 2782260.9/38



Right In: 389.949+/-521.159 χ^2/NDF: 21.4/15

Left Out: -260.227+/-315.946 χ^2/NDF:21.2/21

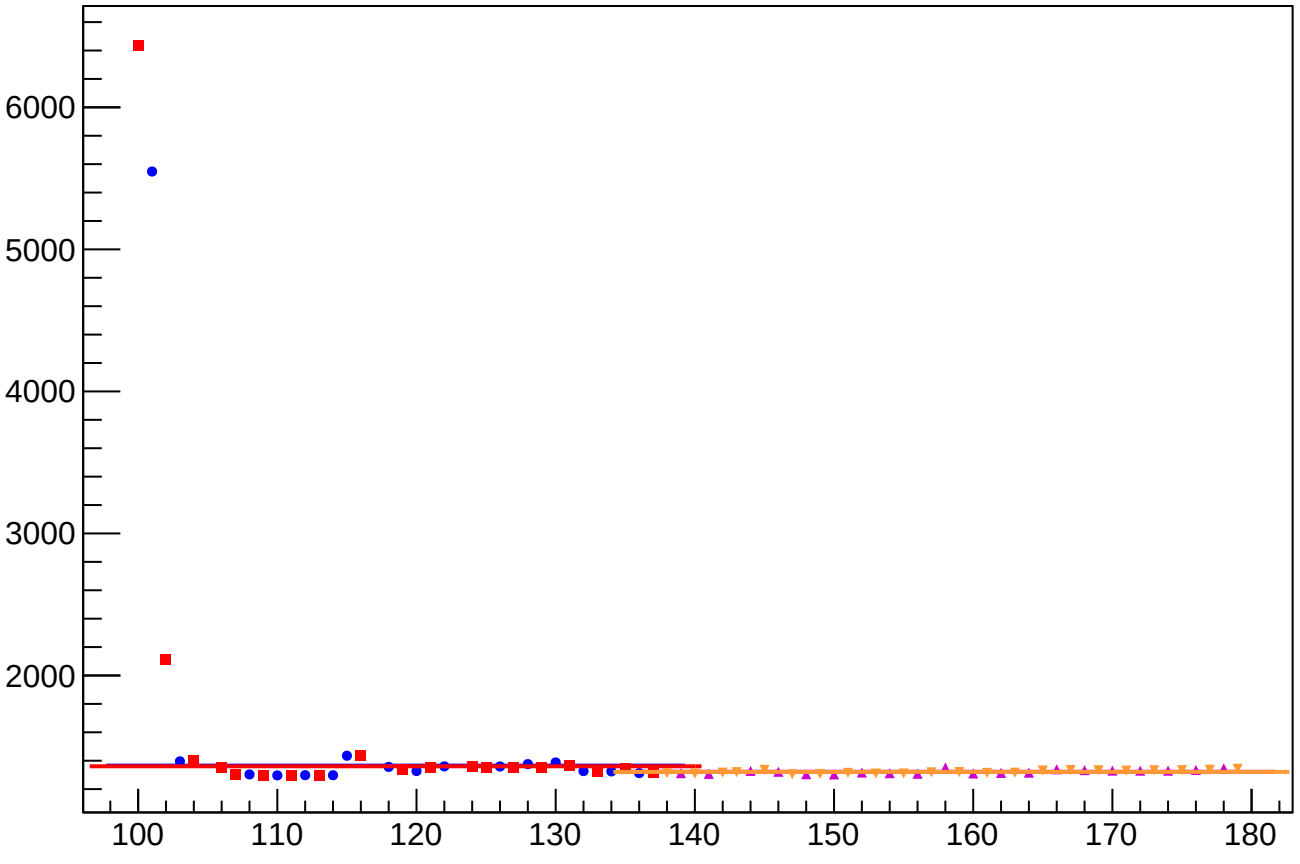
Right Out: 218.184+/-507.927 χ^2/NDF: 10.0/18

Left In: 57.690+/-327.016 χ^2/NDF:26.0/19

\+ sign -85.491+/-270.175 χ^2/NDF: 43.7/37

All: 7.947+/-192.711 χ^2/NDF: 80.1/76

\- sign 104.722+/-274.958 χ^2/NDF: 36.1/38



Right In: 1365.302+/-0.369 χ^2/NDF: 758944.7/15

Left Out: 1321.319+/-0.223 χ^2/NDF:2669.6/21

Right Out: 1360.771+/-0.359 χ^2/NDF: 205315.3/18

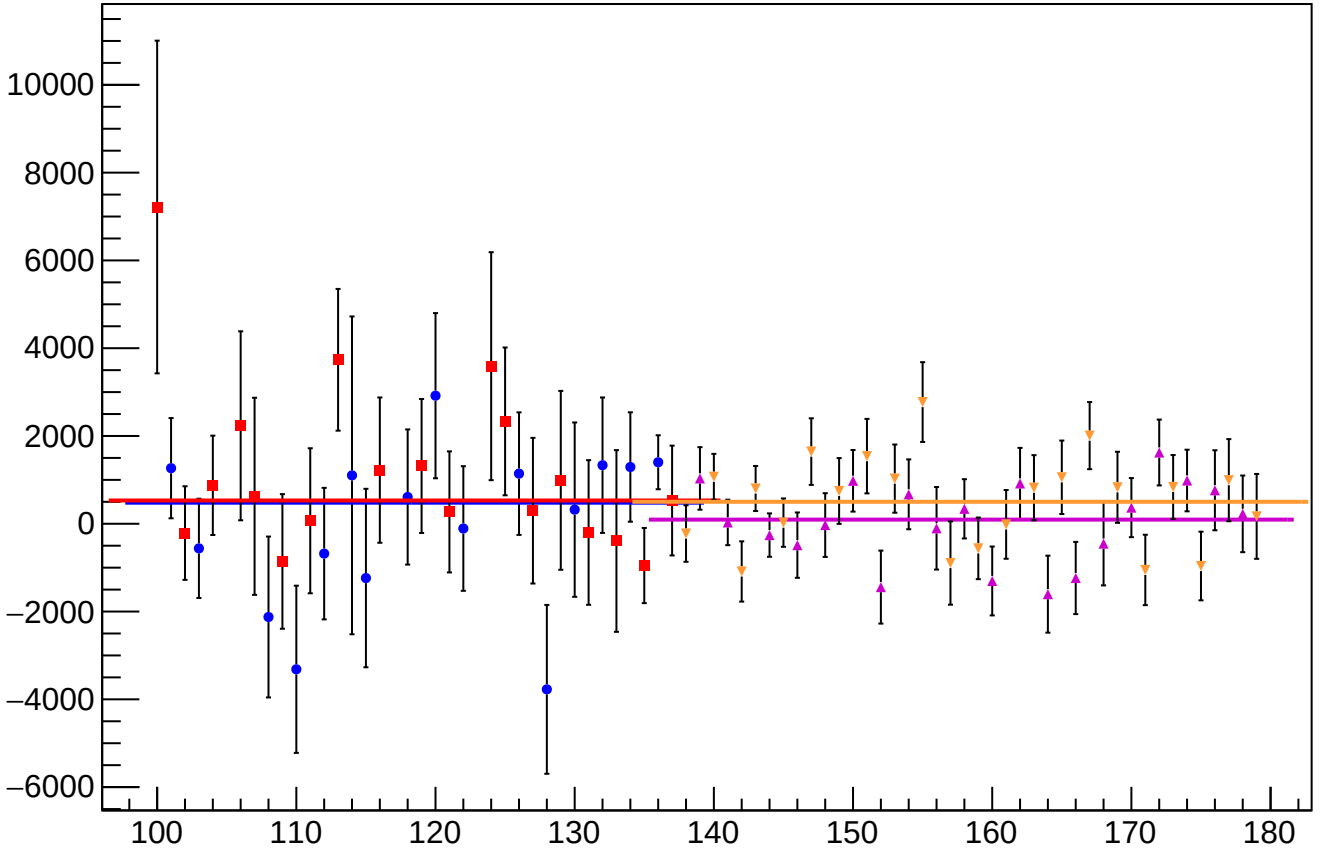
Left In: 1322.075+/-0.231 χ^2/NDF:3577.0/19

+ sign 1333.139+/-0.191 χ^2/NDF: 772031.0/37

All: 1333.274+/-0.136 χ^2/NDF: 989130.6/76

- sign 1333.414+/-0.194 χ^2/NDF: 217098.6/38

asym_usr_atr1_dd_dit_correction_mean vs Slug



Right In: 480.403+/-336.520 χ^2/NDF: 18.6/15

Left Out: 500.798+/-155.009 χ^2/NDF:36.9/21

Right Out: 530.532+/-346.105 χ^2/NDF: 15.6/18

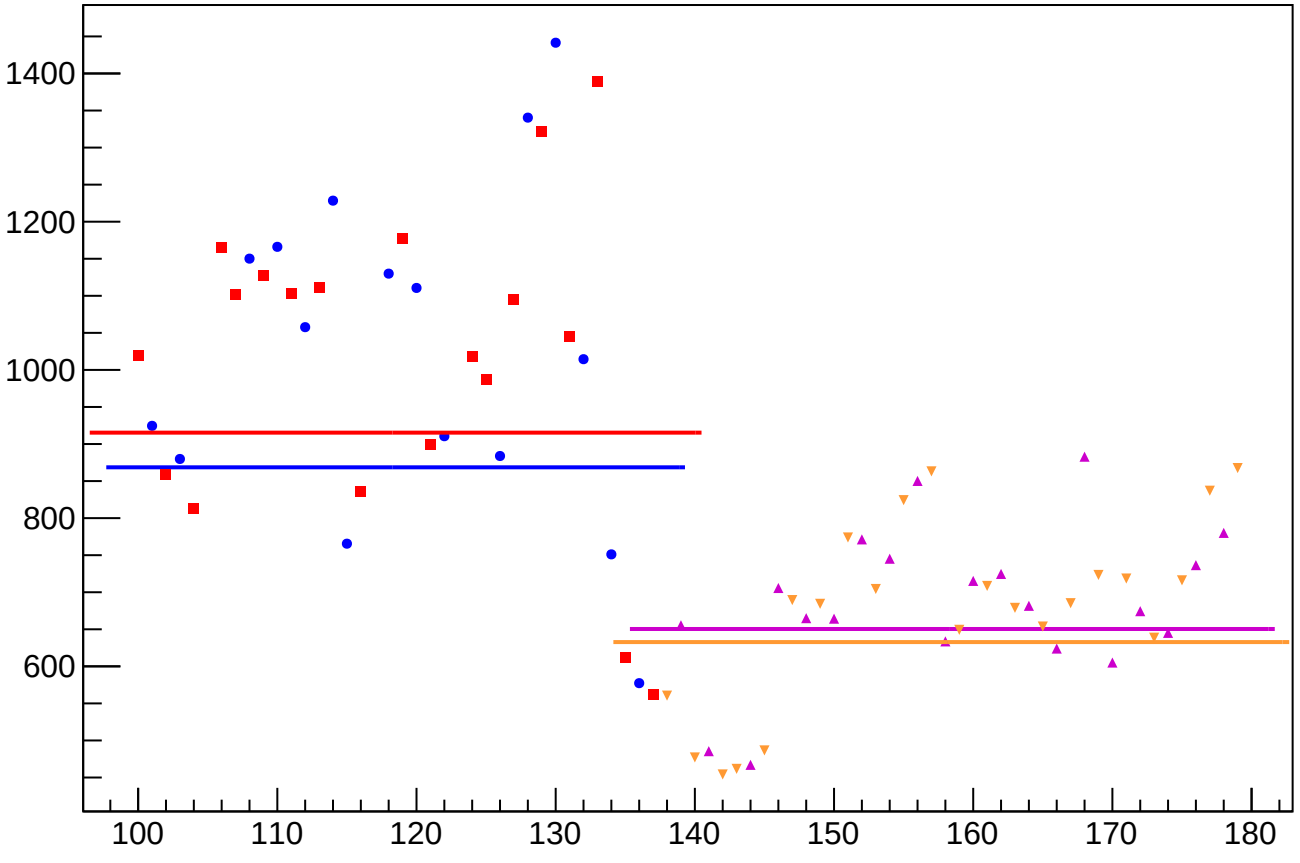
Left In: 94.323+/-163.469 χ^2/NDF:26.0/19

+ sign 497.228+/-140.791 χ^2/NDF: 55.5/37

All: 343.417+/-101.946 χ^2/NDF: 101.0/76

- sign 173.883+/-147.811 χ^2/NDF: 42.9/38

asym_usr_atr1_dd_dit_correction_rms vs Slug



Right In: 868.572+/-0.238 χ^2/NDF: 1021338.5/15

Left Out: 632.756+/-0.110 χ^2/NDF:1323391.9/21

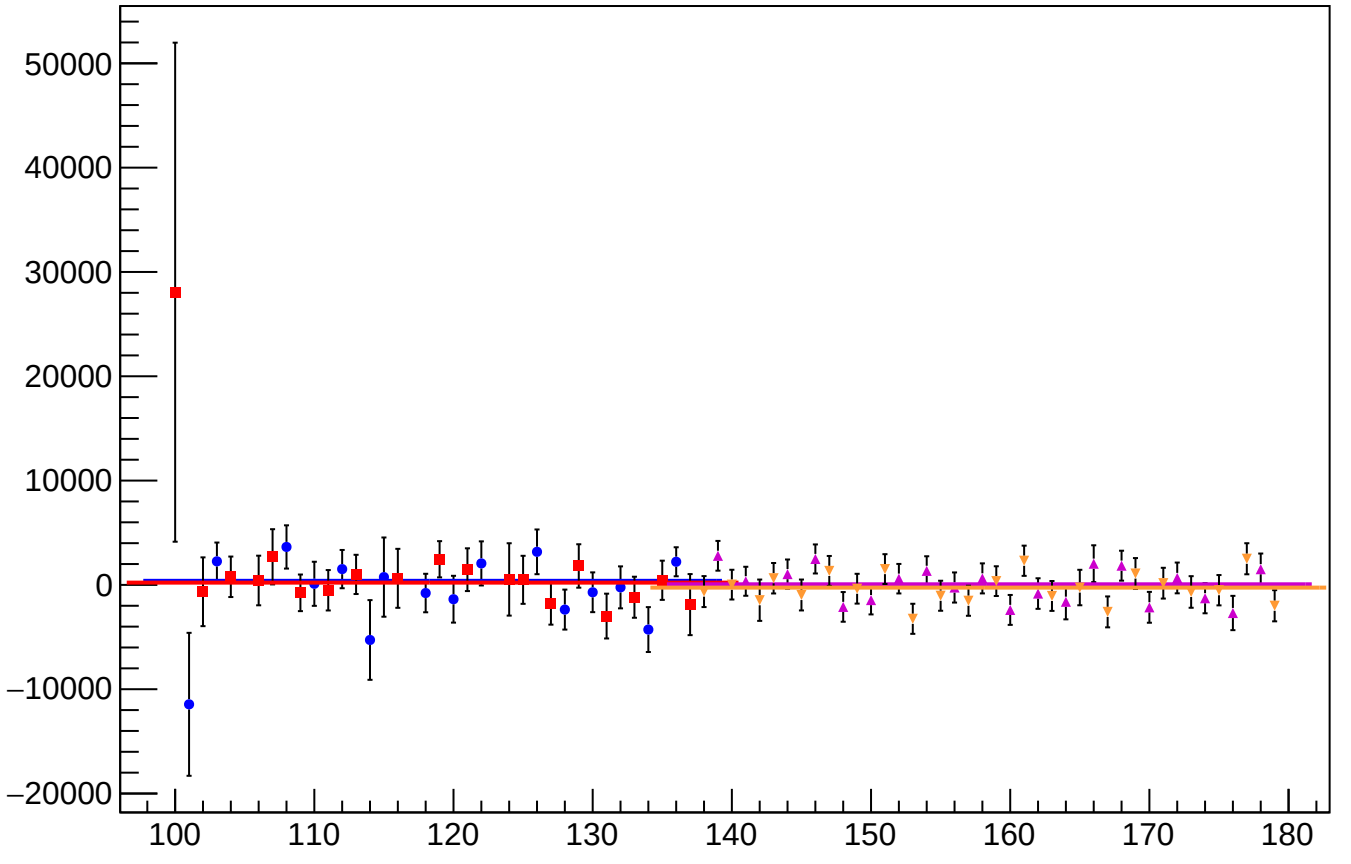
Right Out: 915.360+/-0.245 χ^2/NDF: 858906.6/18

Left In: 650.414+/-0.116 χ^2/NDF:879841.0/19

+ sign 674.032+/-0.100 χ^2/NDF: 3154925.2/37

All: 685.784+/-0.072 χ^2/NDF: 5881210.3/76

- sign 698.738+/-0.105 χ^2/NDF: 2696990.2/38



Right In: 389.949+/-521.159 χ^2/NDF: 21.4/15

Left Out: -260.228+/-315.946 χ^2/NDF:21.2/21

Right Out: 218.182+/-507.927 χ^2/NDF: 10.0/18

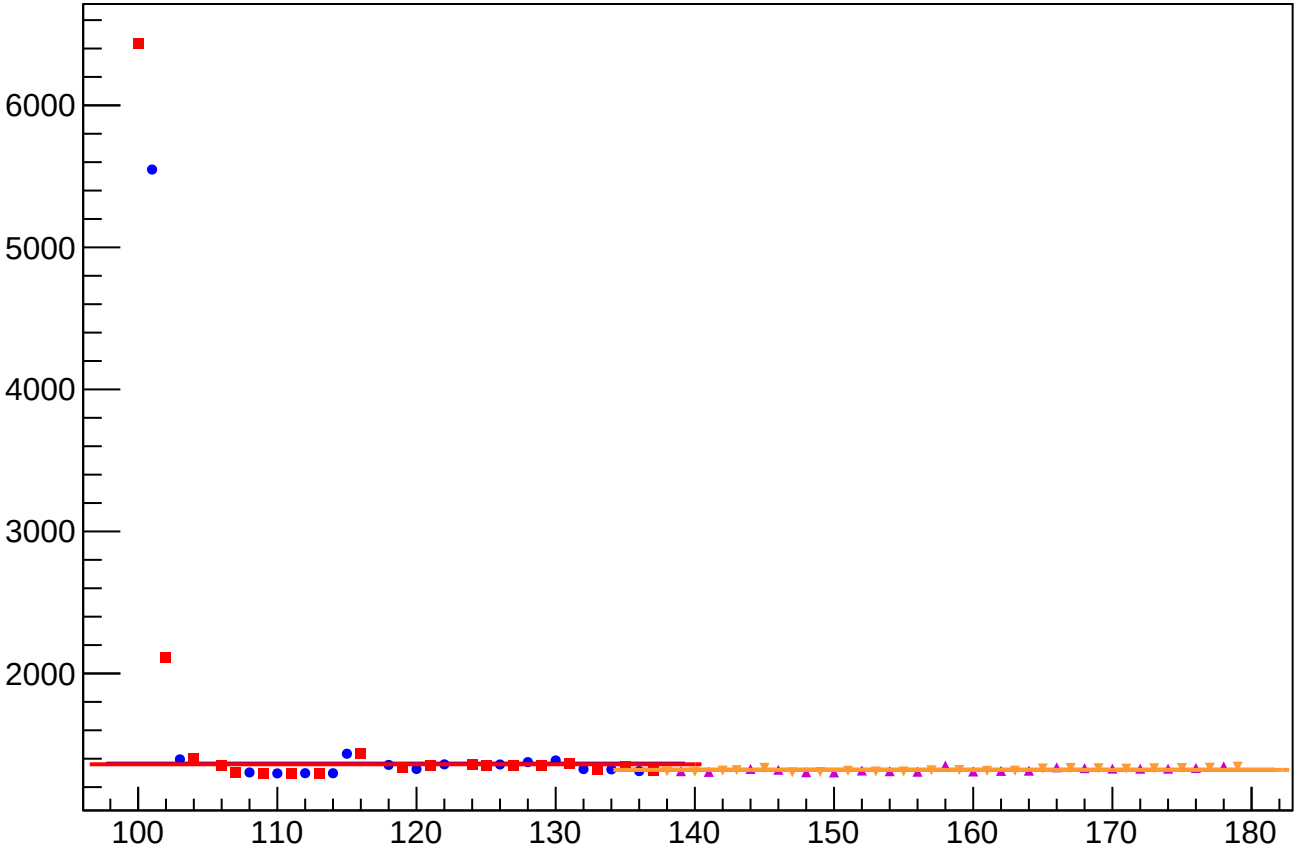
Left In: 57.690+/-327.016 χ^2/NDF:26.0/19

\+ sign -85.492+/-270.175 χ^2/NDF: 43.7/37

All: 7.946+/-192.711 χ^2/NDF: 80.1/76

\- sign 104.721+/-274.958 χ^2/NDF: 36.1/38

eigen_dit_asym_usr_atr1_dd_rms vs Slug



Right In: 1365.302+/-0.369 χ^2/NDF: 758944.7/15

Left Out: 1321.319+/-0.223 χ^2/NDF:2669.6/21

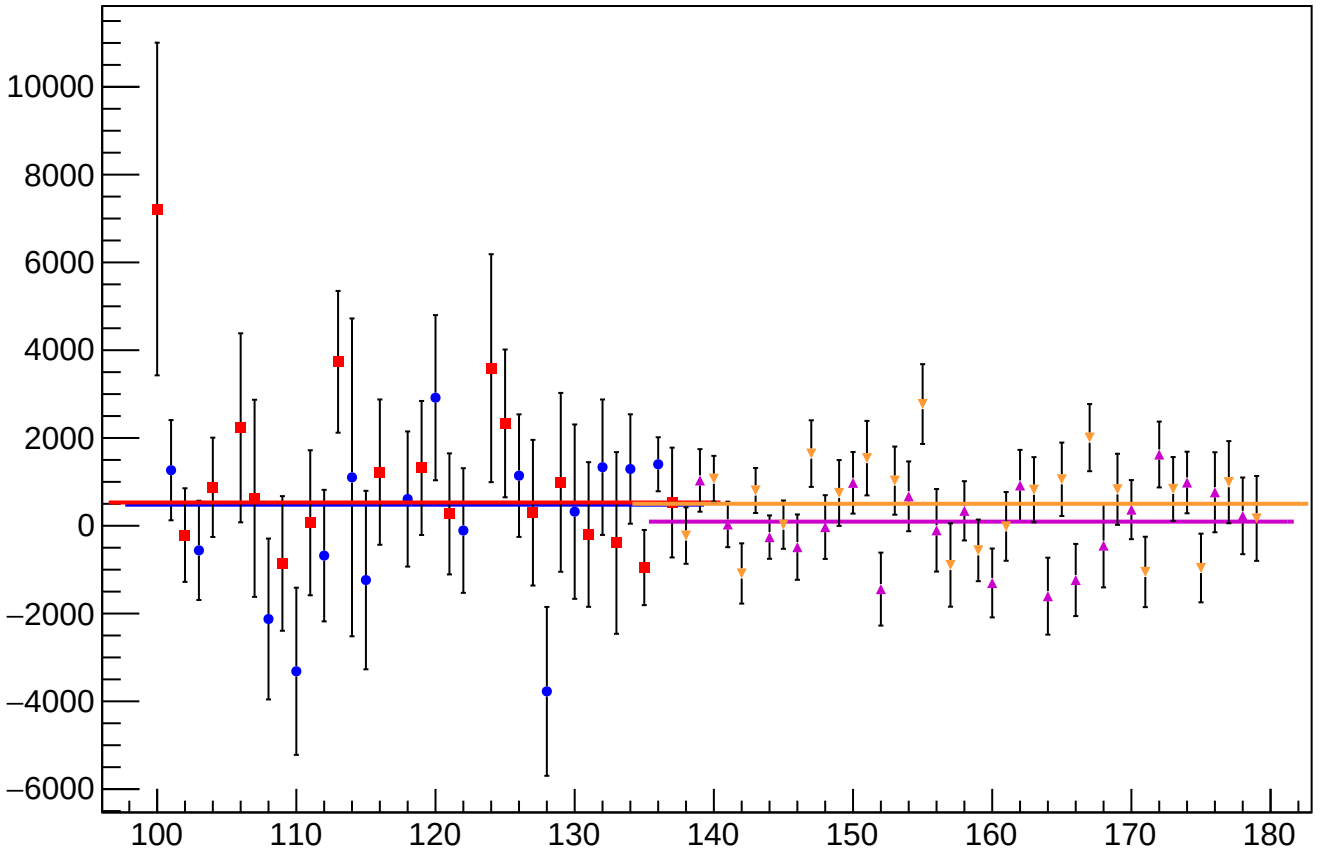
Right Out: 1360.770+/-0.359 χ^2/NDF: 205315.2/18

Left In: 1322.075+/-0.231 χ^2/NDF:3577.0/19

+ sign 1333.139+/-0.191 χ^2/NDF: 772031.0/37

All: 1333.274+/-0.136 χ^2/NDF: 989130.5/76

- sign 1333.414+/-0.194 χ^2/NDF: 217098.5/38



Right In: 480.400+/-336.519 χ^2/NDF: 18.6/15

Left Out: 500.798+/-155.009 χ^2/NDF:36.9/21

Right Out: 530.531+/-346.104 χ^2/NDF: 15.6/18

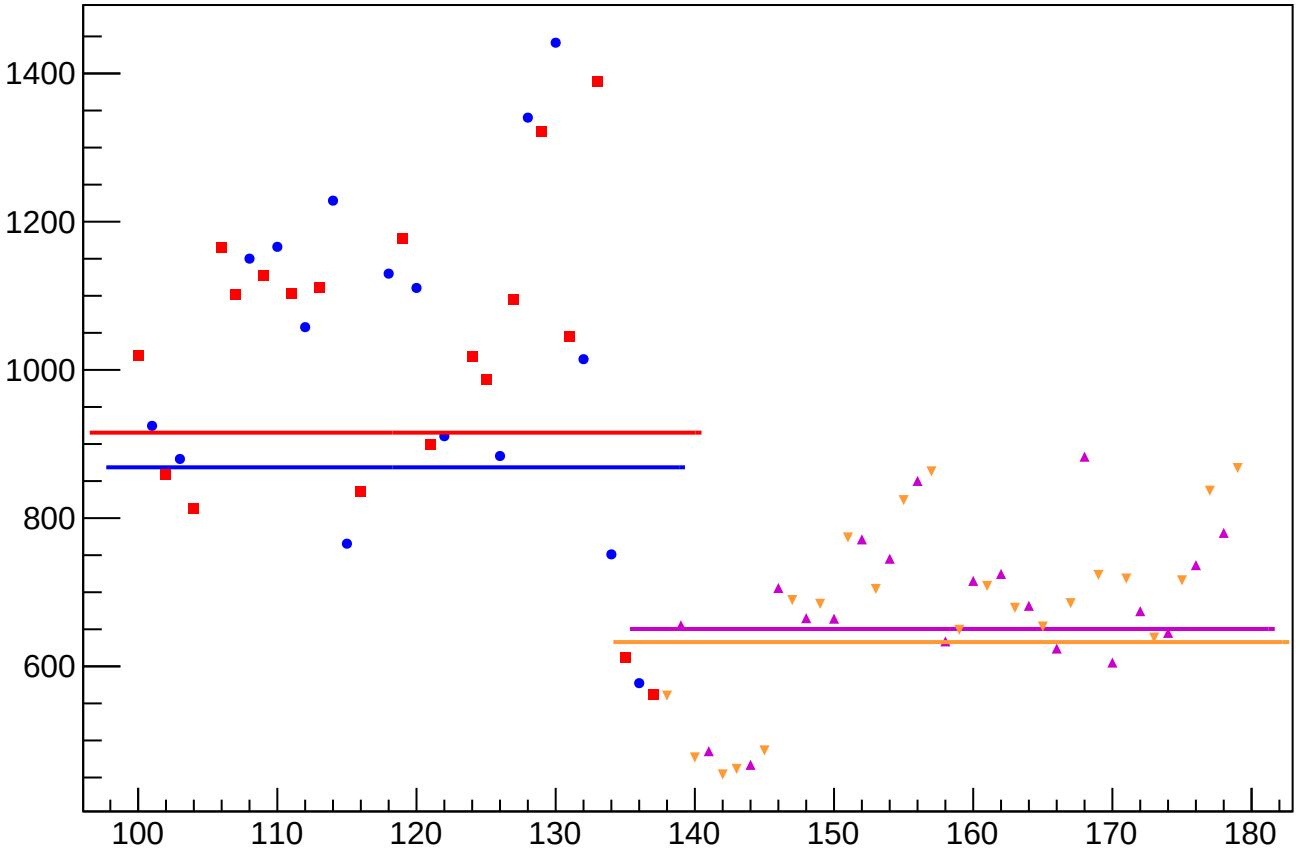
Left In: 94.322+/-163.469 χ^2/NDF:26.0/19

+ sign 497.228+/-140.791 χ^2/NDF: 55.5/37

All: 343.416+/-101.946 χ^2/NDF: 101.0/76

- sign 173.883+/-147.812 χ^2/NDF: 42.9/38

asym_usr_atr1_dd_eigen_dit_correction_rms vs Slug



Right In: 868.570+/-0.238 χ^2/NDF: 1021337.1/15

Left Out: 632.756+/-0.110 χ^2/NDF:1323411.9/21

Right Out: 915.358+/-0.245 χ^2/NDF: 858906.3/18

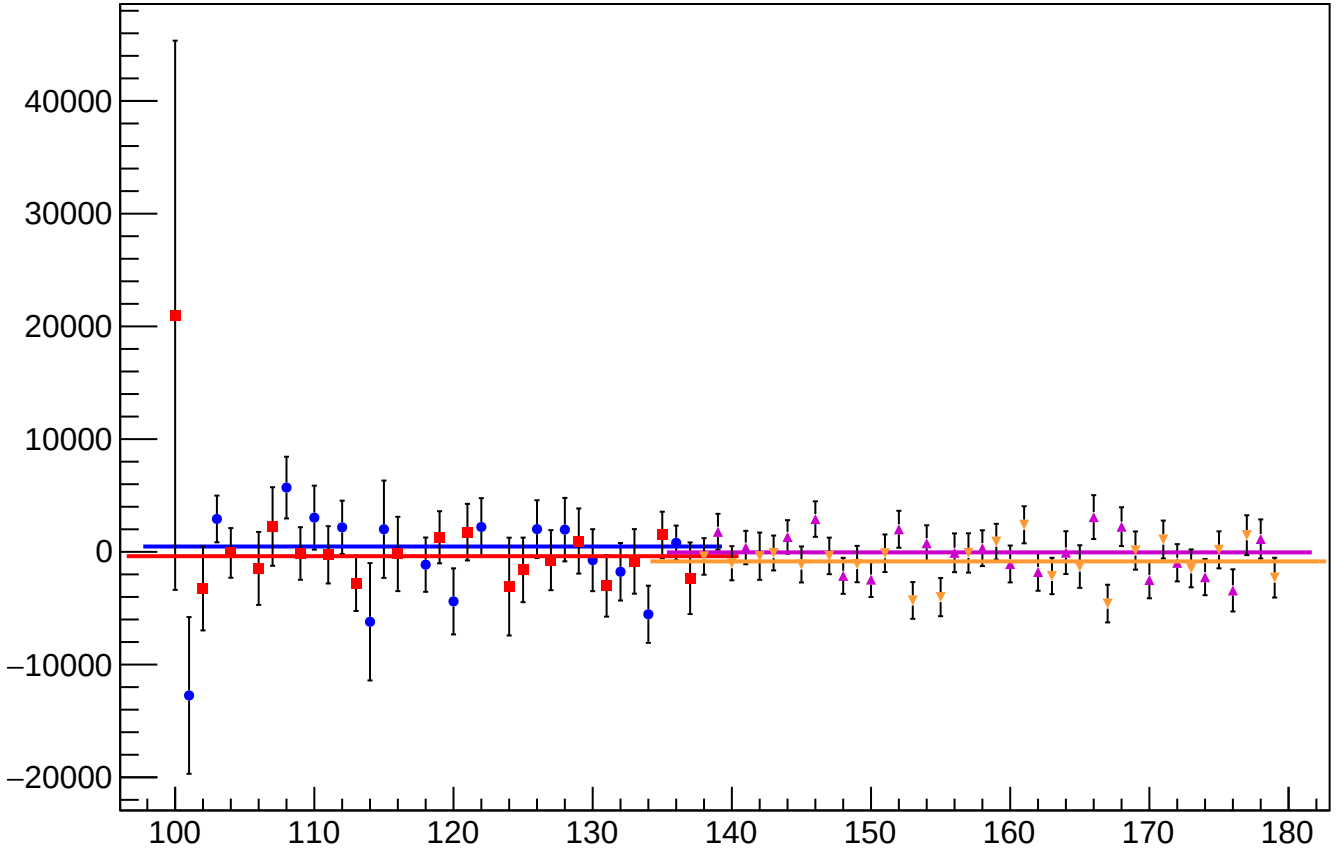
Left In: 650.415+/-0.116 χ^2/NDF:879849.2/19

\+ sign 674.032+/-0.100 χ^2/NDF: 3154927.7/37

All: 685.785+/-0.072 χ^2/NDF: 5881203.1/76

\- sign 698.739+/-0.105 χ^2/NDF: 2696978.8/38

asym_usr_atr1_dd_mean vs Slug



Right In: 473.494+/-649.243 χ^2/NDF: 22.7/15

Left Out: -847.581+/-356.074 χ^2/NDF:24.3/21

Right Out: -384.785+/-641.994 χ^2/NDF: 7.3/18

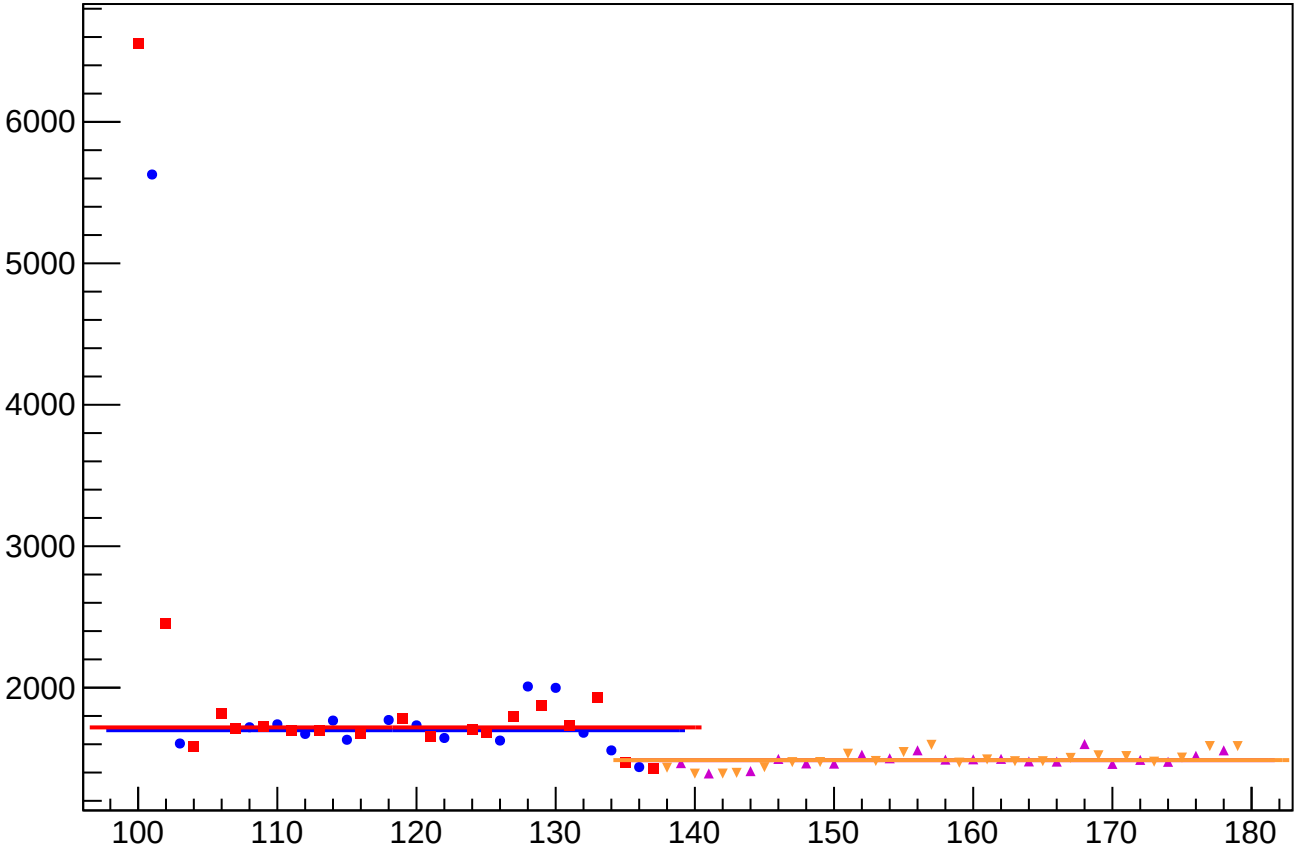
Left In: -46.116+/-368.153 χ^2/NDF:25.8/19

+ sign -542.098+/-312.203 χ^2/NDF: 50.1/37

All: -340.687+/-223.251 χ^2/NDF: 84.2/76

- sign -129.926+/-319.368 χ^2/NDF: 33.2/38

asym_usr_atr1_dd_rms vs Slug



Right In: 1699.330+/-0.459 χ^2/NDF: 762097.7/15

Left Out: 1487.878+/-0.252 χ^2/NDF:49490.7/21

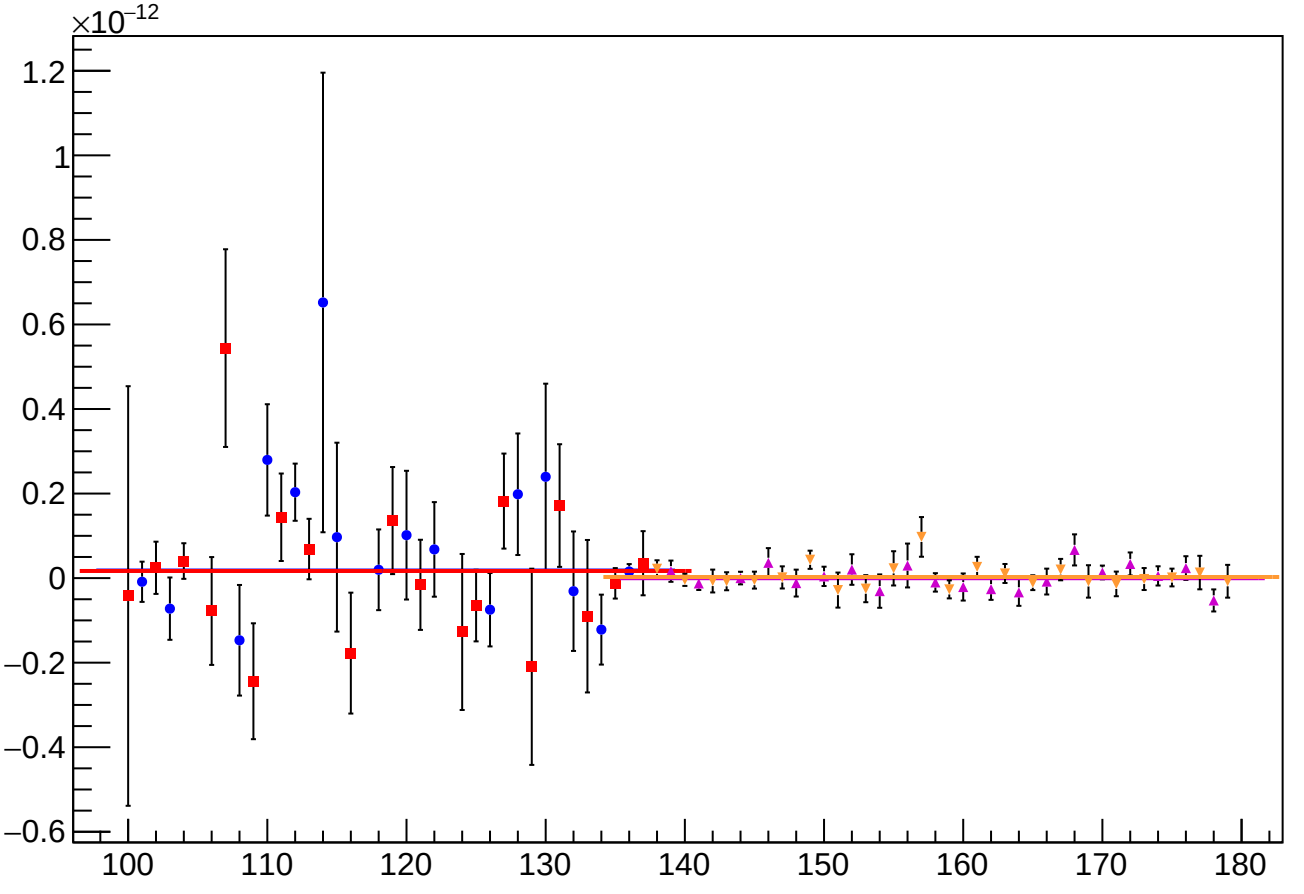
Right Out: 1719.103+/-0.454 χ^2/NDF: 233751.6/18

Left In: 1487.547+/-0.260 χ^2/NDF:32625.1/19

+ sign 1536.774+/-0.221 χ^2/NDF: 974678.9/37

All: 1540.720+/-0.158 χ^2/NDF: 1437505.7/76

- sign 1544.850+/-0.226 χ^2/NDF: 462172.7/38



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.5/21

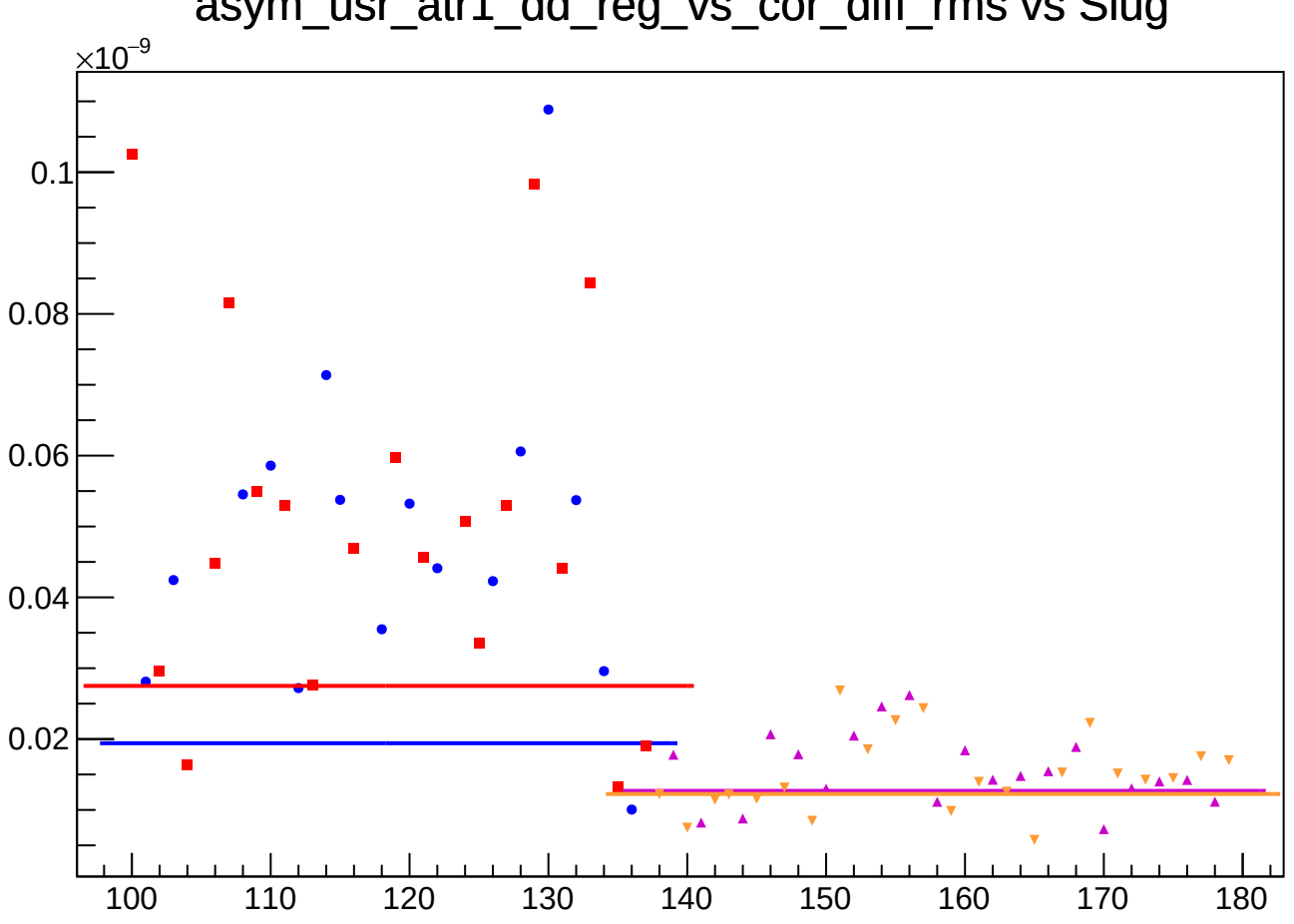
Right Out: 0.000+/-0.000 χ^2/NDF: 21.3/18

Left In: -0.000+/-0.000 χ^2/NDF:16.8/19

+ sign 0.000+/-0.000 χ^2/NDF: 40.1/37

All: 0.000+/-0.000 χ^2/NDF: 79.2/76

- sign 0.000+/-0.000 χ^2/NDF: 38.9/38



Right In: 0.000+/-0.000 χ^2/NDF: 2274412.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1474606.7/21

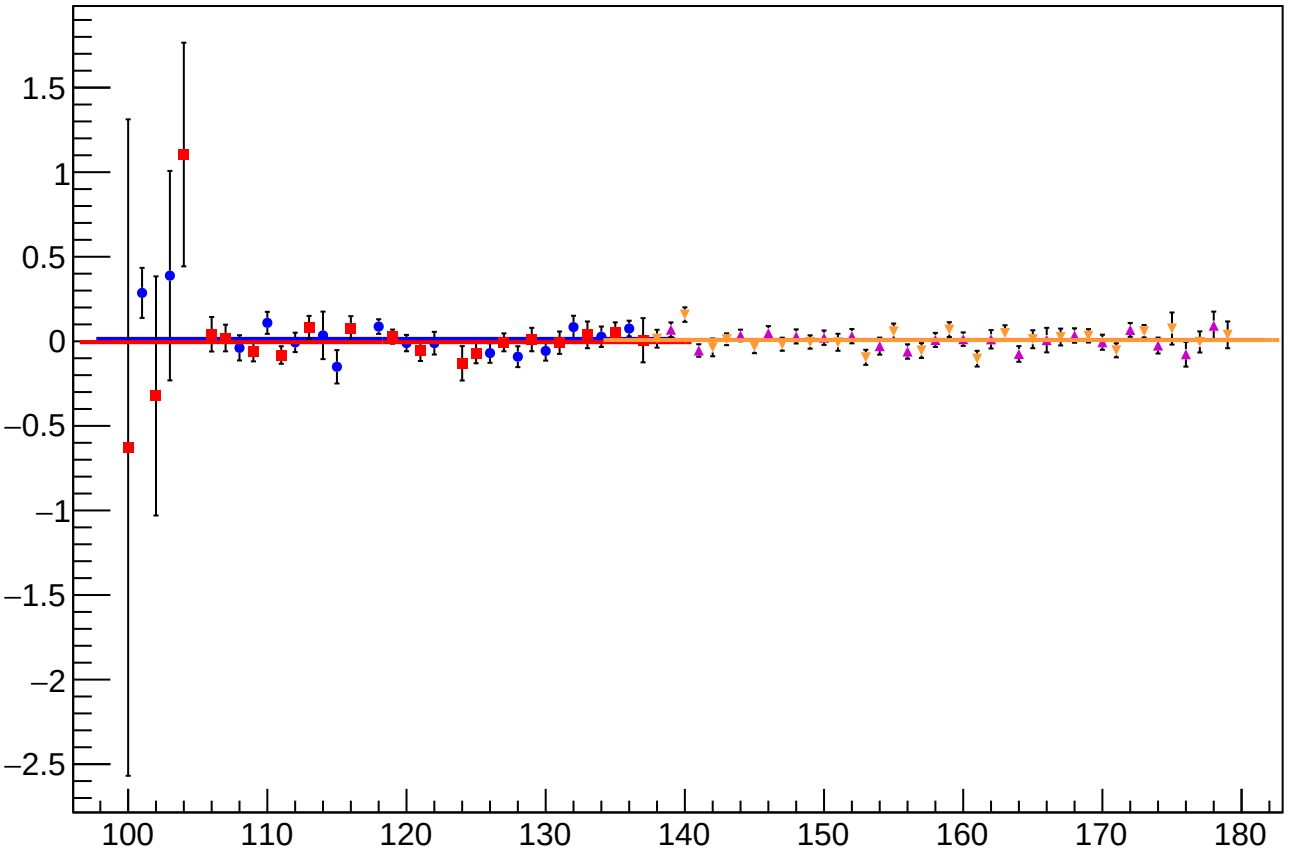
Right Out: 0.000+/-0.000 χ^2/NDF: 1650144.8/18

Left In: 0.000+/-0.000 χ^2/NDF:1357816.9/19

+ sign 0.000+/-0.000 χ^2/NDF: 4188645.4/37

All: 0.000+/-0.000 χ^2/NDF: 8328422.2/76

- sign 0.000+/-0.000 χ^2/NDF: 4118119.4/38



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.007+/-0.010 χ^2/NDF:36.6/21

Right Out: -0.005+/-0.016 χ^2/NDF: 14.9/18

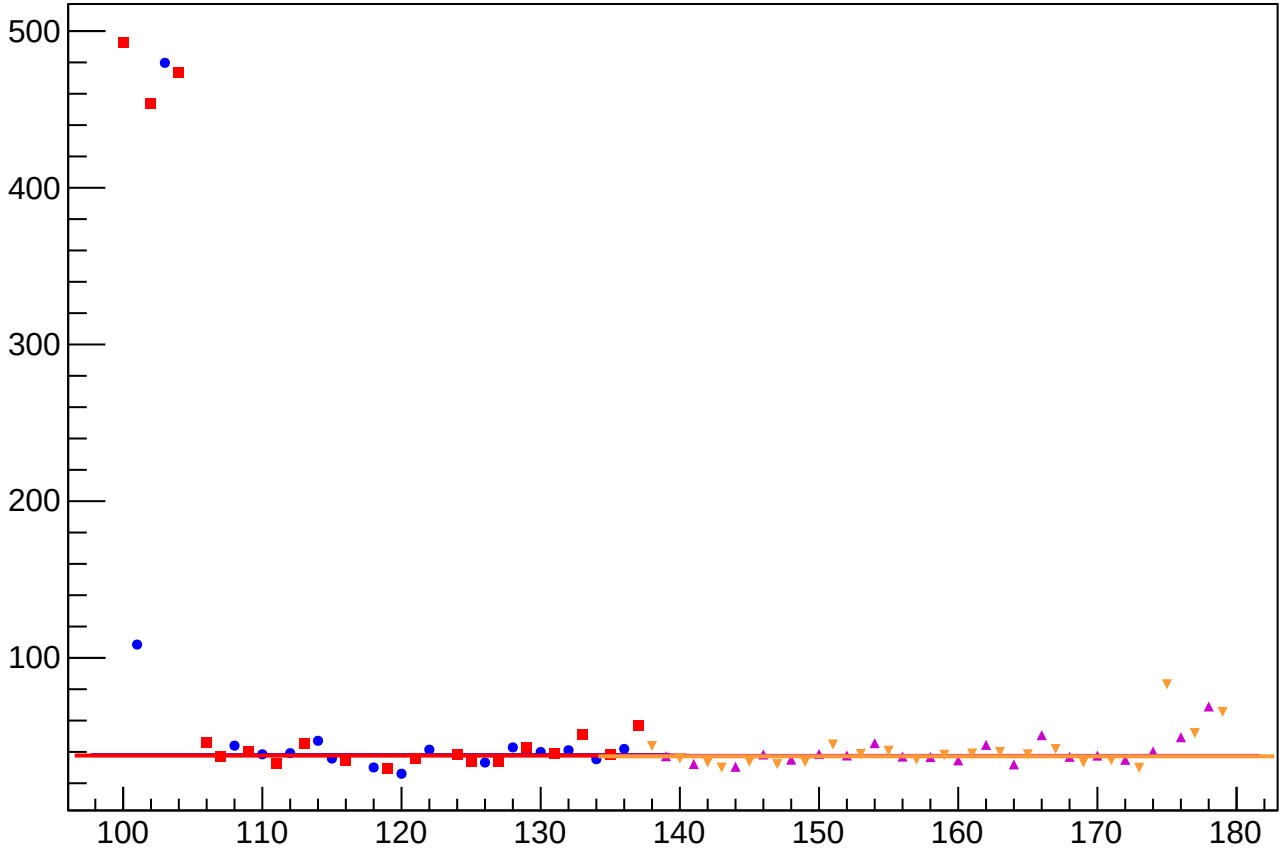
Left In: 0.008+/-0.010 χ^2/NDF:18.7/19

+ sign 0.009+/-0.008 χ^2/NDF: 58.8/37

All: 0.007+/-0.006 χ^2/NDF: 93.0/76

- sign 0.005+/-0.009 χ^2/NDF: 34.0/38

asym_usr_atr1_dd_dit_vs_cor_diff_rms vs Slug



Right In: 37.942+/-0.011 χ^2/NDF: 1739669.4/15

Left Out: 37.173+/-0.007 χ^2/NDF:1230356.6/21

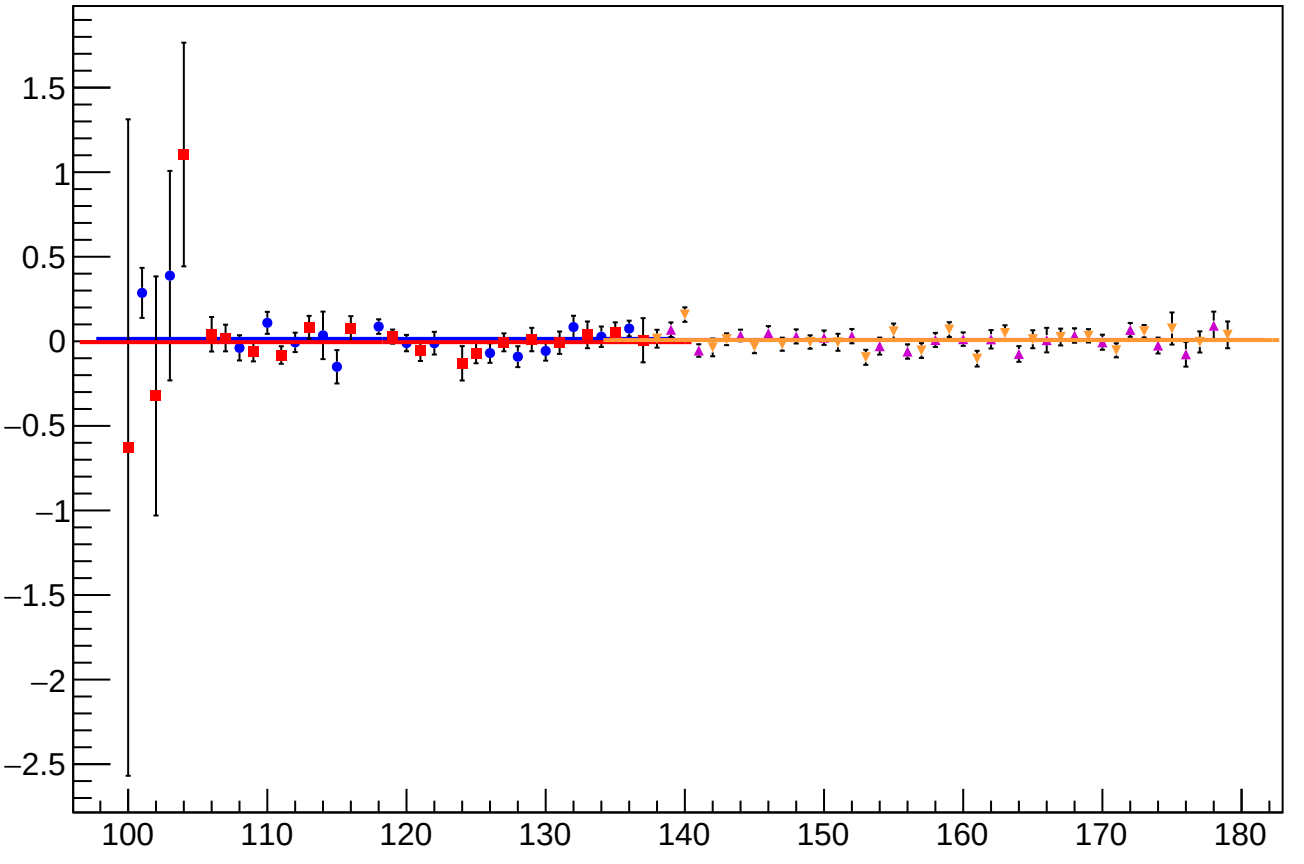
Right Out: 37.696+/-0.011 χ^2/NDF: 1944881.8/18

Left In: 37.447+/-0.007 χ^2/NDF:675445.4/19

\+ sign 37.382+/-0.006 χ^2/NDF: 2973419.1/37

All: 37.448+/-0.004 χ^2/NDF: 5594348.7/76

\- sign 37.517+/-0.006 χ^2/NDF: 2620671.1/38



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.007+/-0.010 χ^2/NDF:36.6/21

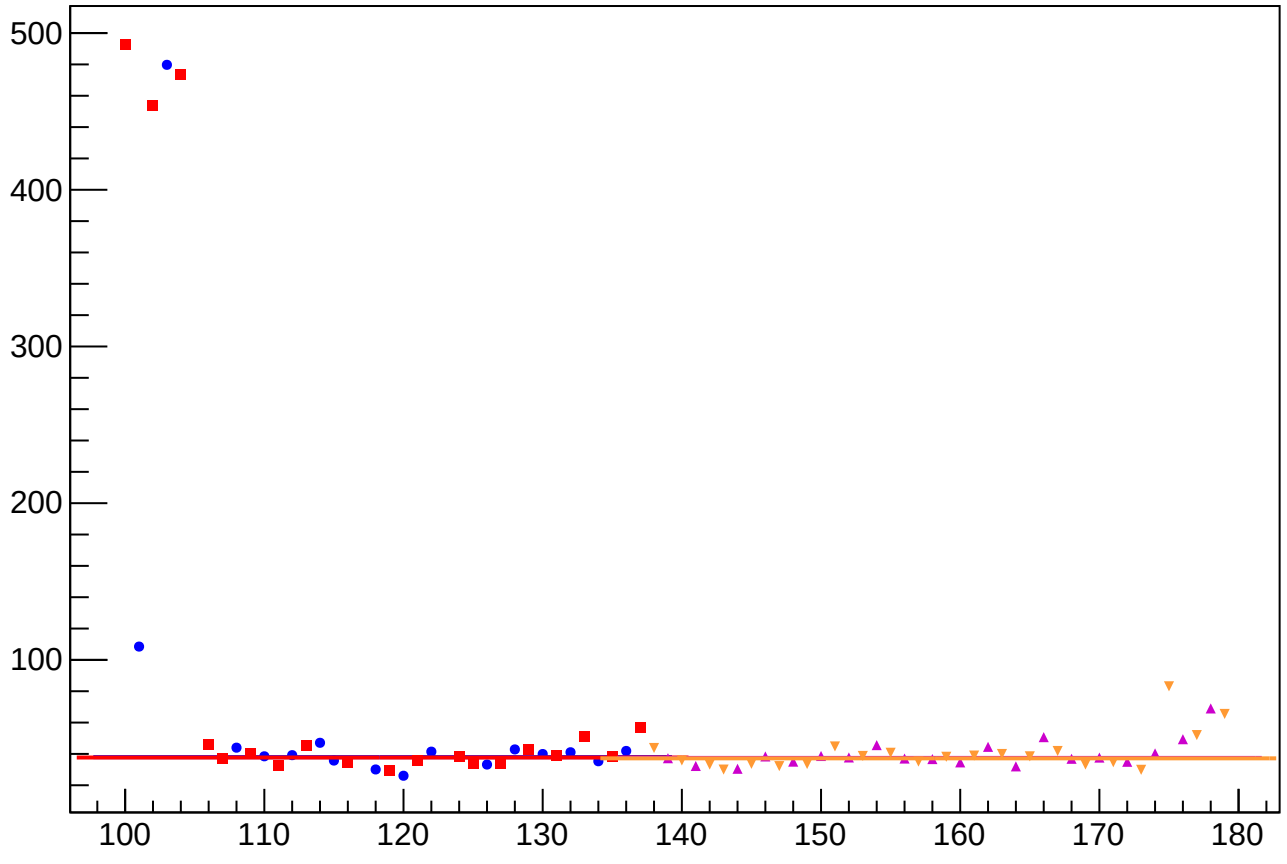
Right Out: -0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: 0.008+/-0.010 χ^2/NDF:18.7/19

+ sign 0.009+/-0.008 χ^2/NDF: 58.8/37

All: 0.007+/-0.006 χ^2/NDF: 93.0/76

- sign 0.005+/-0.009 χ^2/NDF: 34.0/38



Right In: 37.942+/-0.011 χ^2/NDF: 1739669.4/15

Left Out: 37.173+/-0.007 χ^2/NDF:1230356.6/21

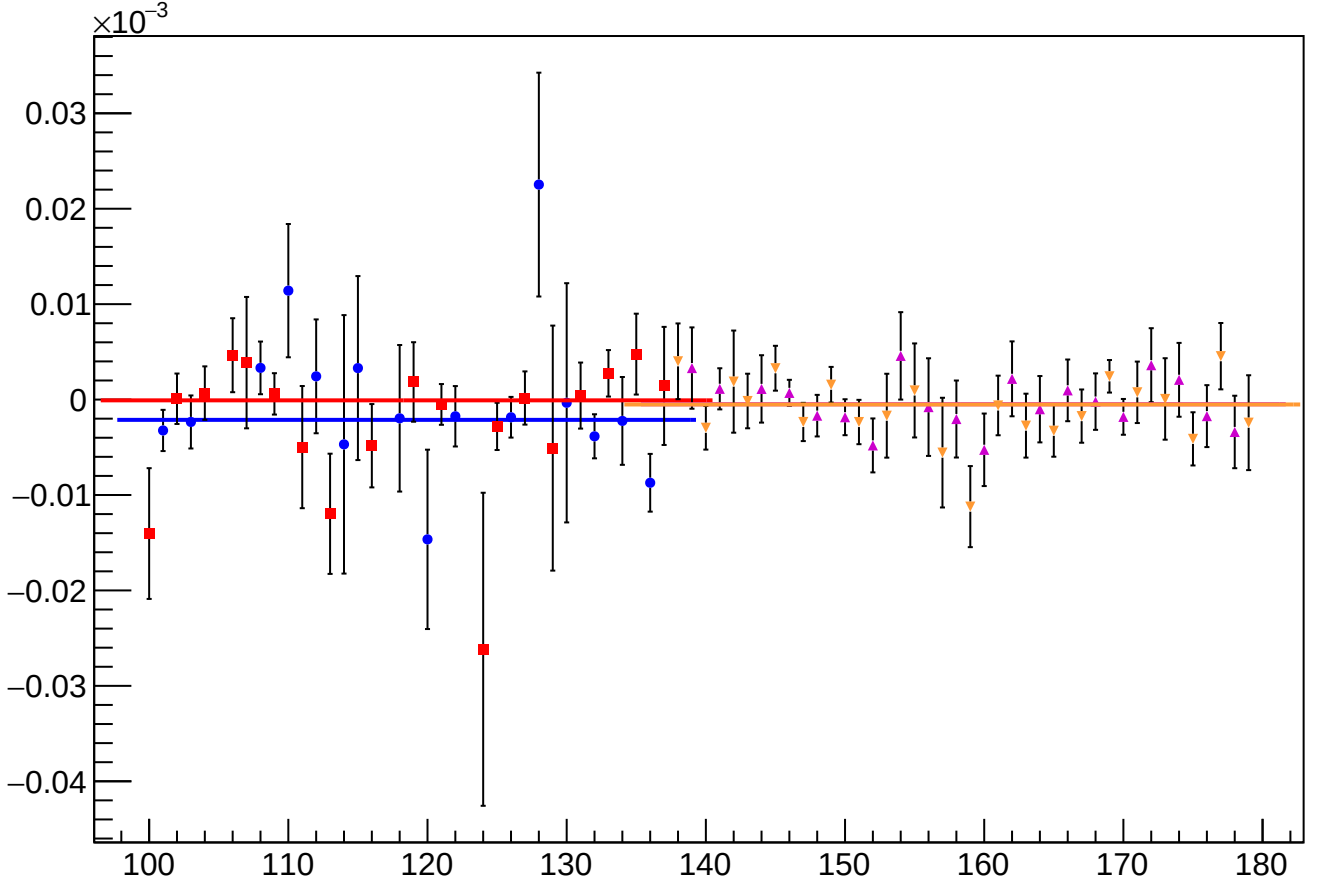
Right Out: 37.696+/-0.011 χ^2/NDF: 1944881.8/18

Left In: 37.447+/-0.007 χ^2/NDF:675445.4/19

+ sign 37.382+/-0.006 χ^2/NDF: 2973419.1/37

All: 37.448+/-0.004 χ^2/NDF: 5594348.7/76

- sign 37.517+/-0.006 χ^2/NDF: 2620671.1/38



Right In: -0.000+/-0.000 χ^2/NDF: 20.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:24.0/21

Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

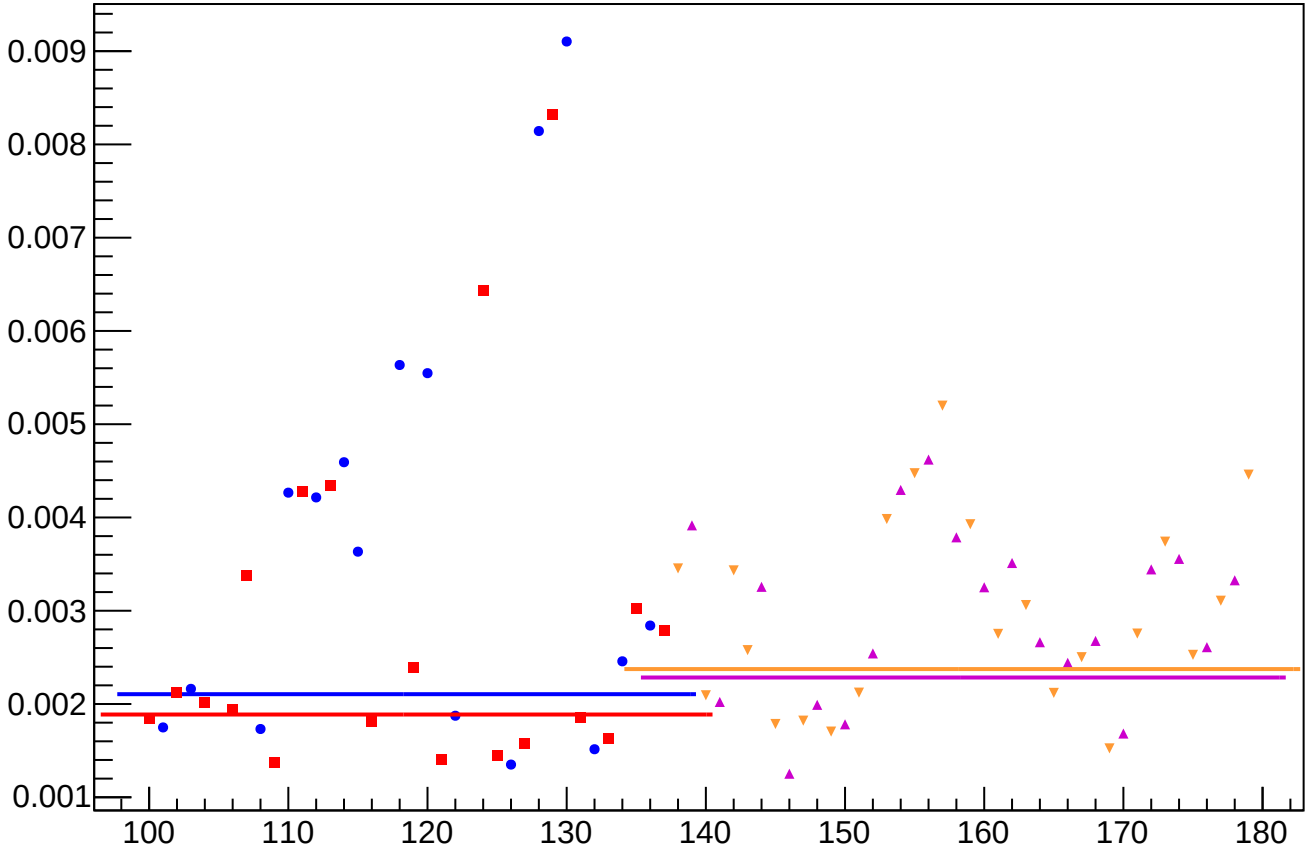
Left In: -0.000+/-0.000 χ^2/NDF:11.9/19

+ sign -0.000+/-0.000 χ^2/NDF: 46.6/37

All: -0.000+/-0.000 χ^2/NDF: 78.1/76

- sign -0.000+/-0.000 χ^2/NDF: 30.4/38

asym_usr_atr1_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 3017568.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:3519417.4/21

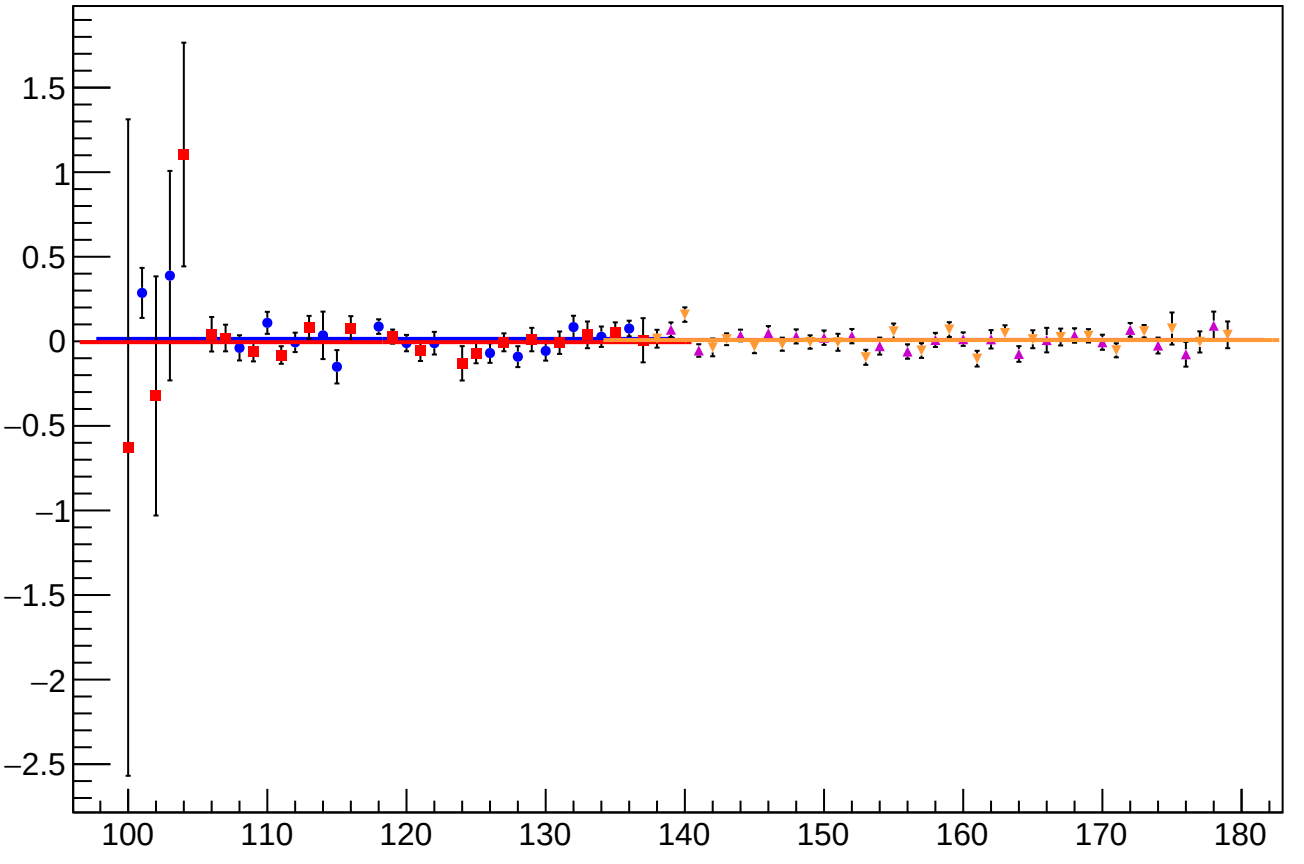
Right Out: 0.002+/-0.000 χ^2/NDF: 1892000.0/18

Left In: 0.002+/-0.000 χ^2/NDF:4045827.5/19

+ sign 0.002+/-0.000 χ^2/NDF: 6660457.8/37

All: 0.002+/-0.000 χ^2/NDF: 13011823.5/76

- sign 0.002+/-0.000 χ^2/NDF: 6253180.0/38



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.007+/-0.010 χ^2/NDF:36.6/21

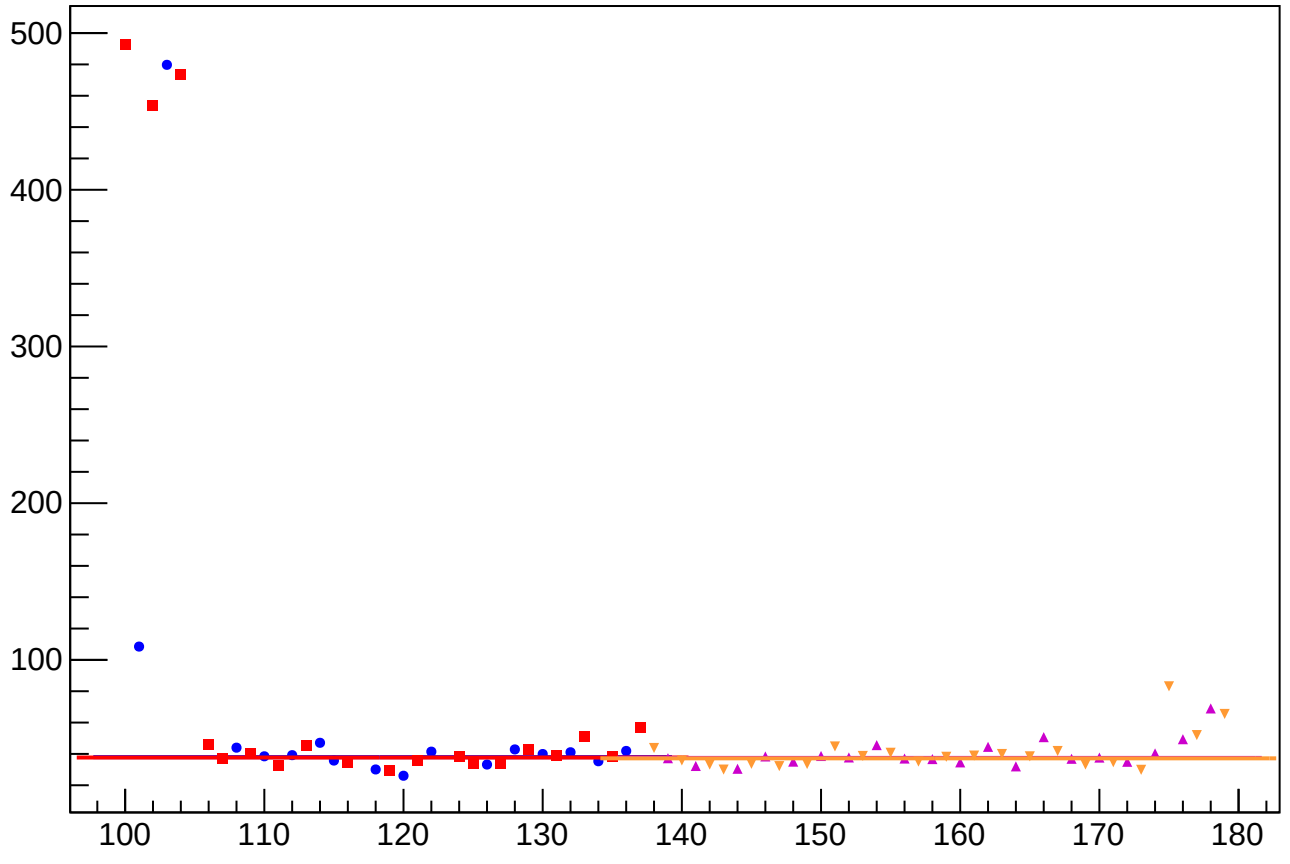
Right Out: -0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: 0.008+/-0.010 χ^2/NDF:18.7/19

+ sign 0.009+/-0.008 χ^2/NDF: 58.8/37

All: 0.007+/-0.006 χ^2/NDF: 93.0/76

- sign 0.005+/-0.009 χ^2/NDF: 34.0/38



Right In: 37.942+/-0.011 χ^2/NDF: 1739681.1/15

Left Out: 37.173+/-0.007 χ^2/NDF:1230377.0/21

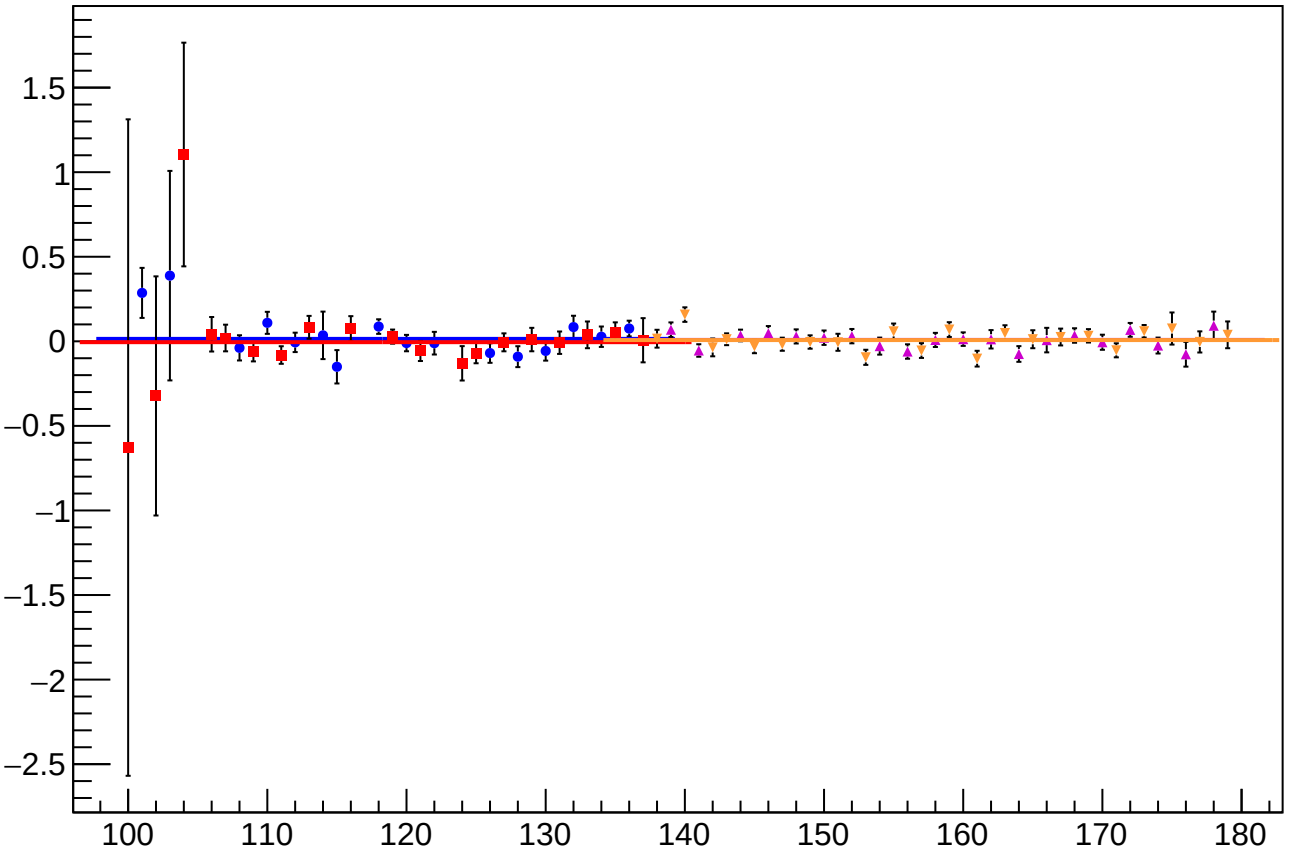
Right Out: 37.695+/-0.011 χ^2/NDF: 1944959.2/18

Left In: 37.447+/-0.007 χ^2/NDF:675475.0/19

+ sign 37.382+/-0.006 χ^2/NDF: 2973447.8/37

All: 37.448+/-0.004 χ^2/NDF: 5594480.7/76

- sign 37.517+/-0.006 χ^2/NDF: 2620775.6/38



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.007+/-0.010 χ^2/NDF:36.6/21

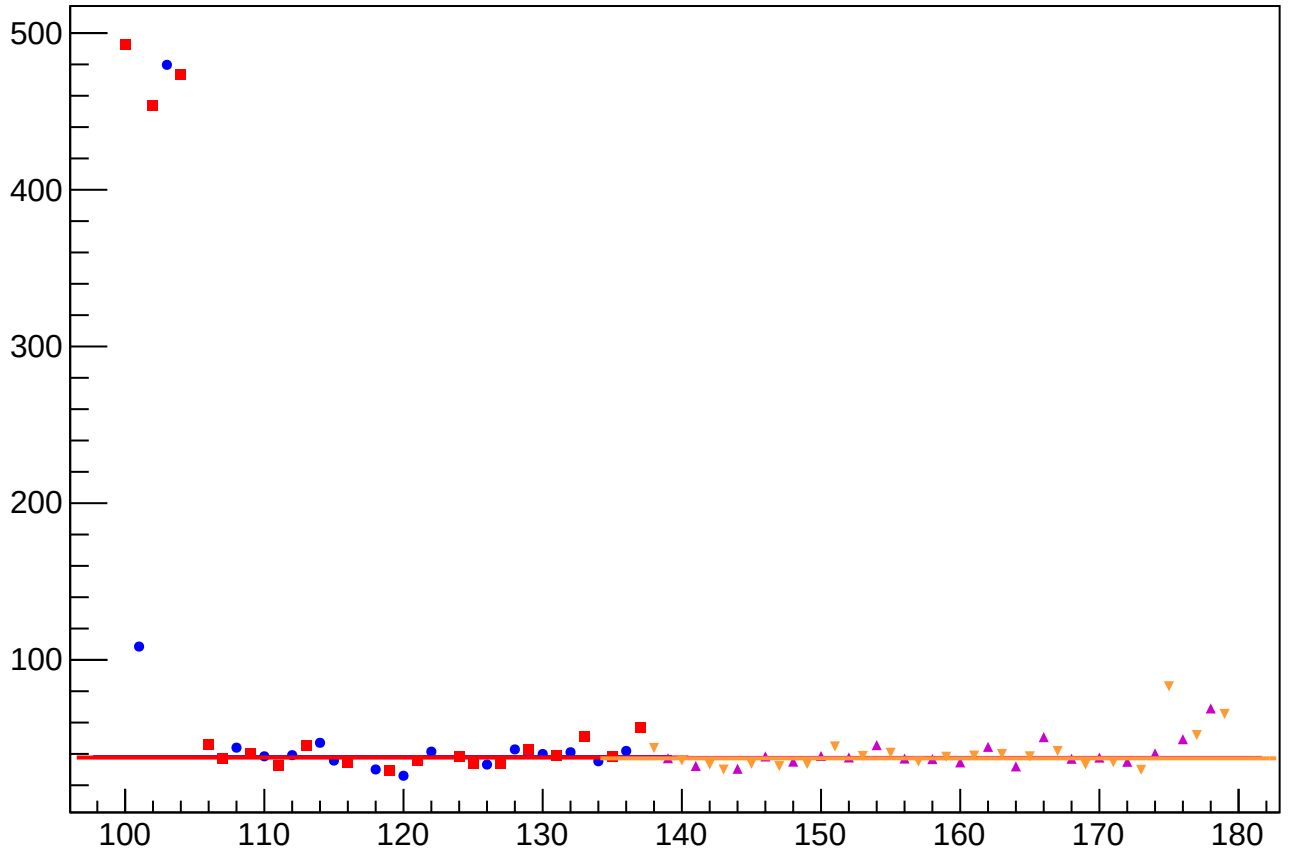
Right Out: -0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: 0.008+/-0.010 χ^2/NDF:18.7/19

+ sign 0.009+/-0.008 χ^2/NDF: 58.8/37

All: 0.007+/-0.006 χ^2/NDF: 93.0/76

- sign 0.005+/-0.009 χ^2/NDF: 34.0/38



Right In: 37.942+/-0.011 χ^2/NDF: 1739681.1/15

Left Out: 37.173+/-0.007 χ^2/NDF:1230377.0/21

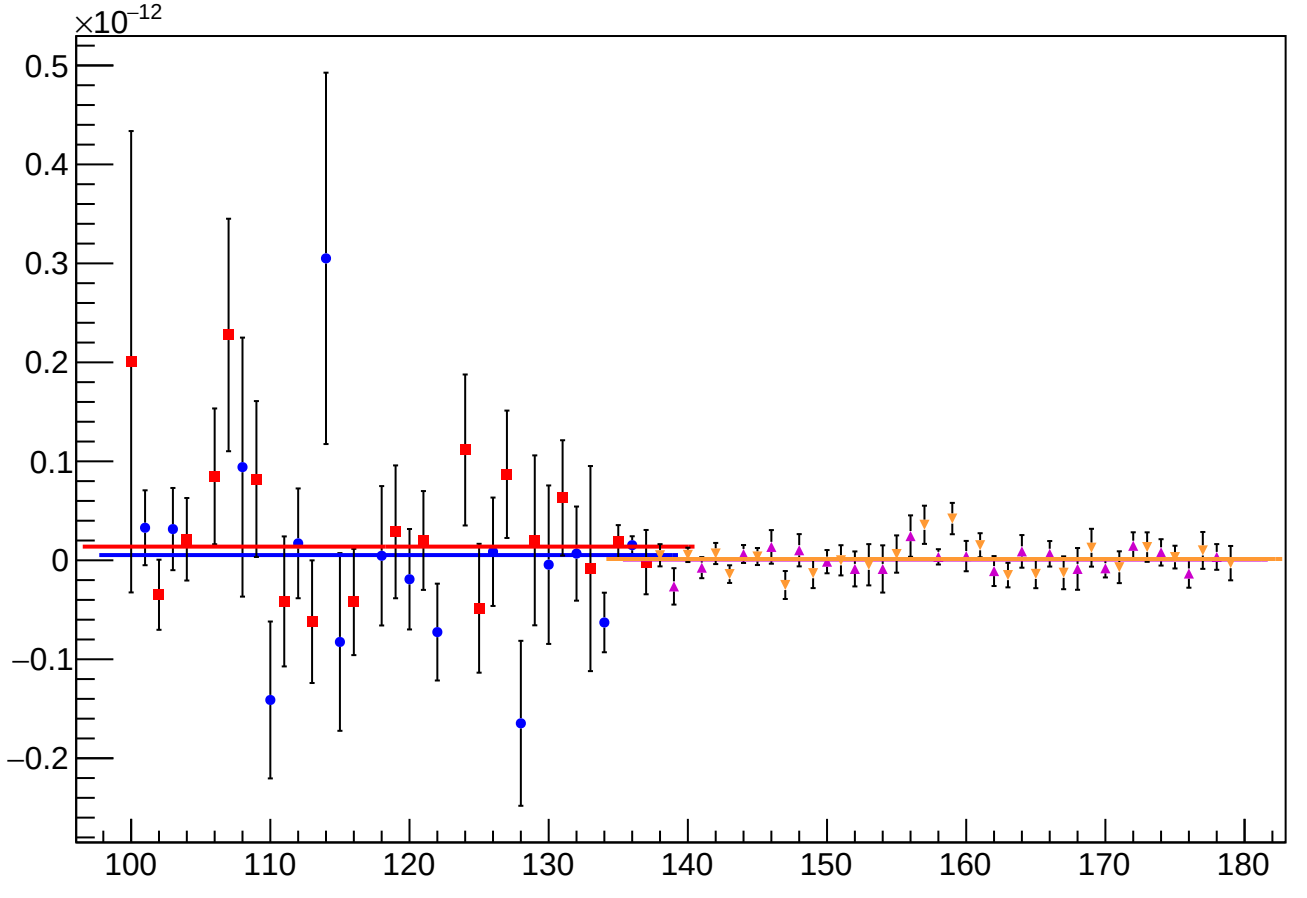
Right Out: 37.695+/-0.011 χ^2/NDF: 1944959.2/18

Left In: 37.447+/-0.007 χ^2/NDF:675475.0/19

+ sign 37.382+/-0.006 χ^2/NDF: 2973447.8/37

All: 37.448+/-0.004 χ^2/NDF: 5594480.7/76

- sign 37.517+/-0.006 χ^2/NDF: 2620775.6/38



Right In: 0.000+/-0.000 χ^2/NDF: 21.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:24.5/21

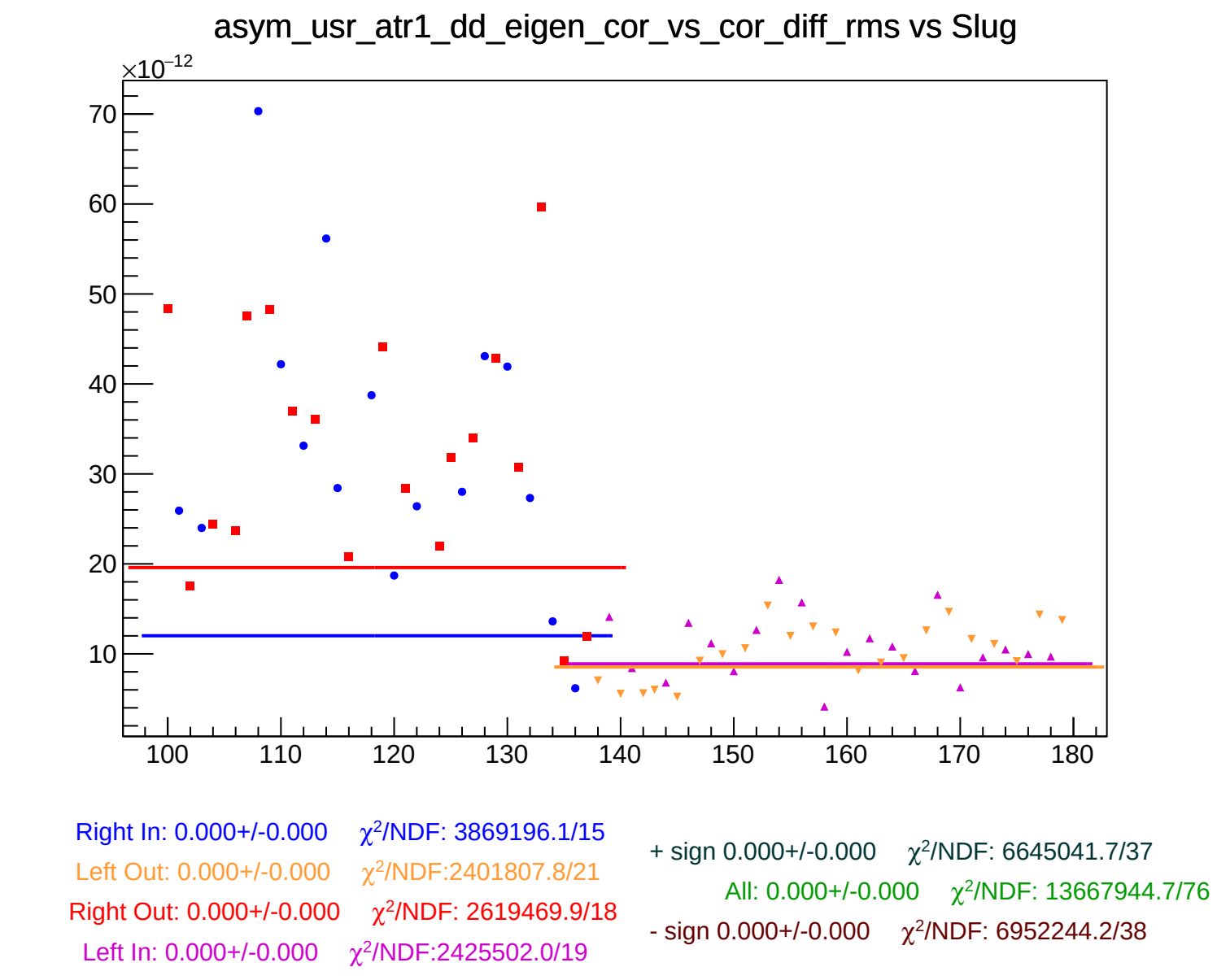
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: 0.000+/-0.000 χ^2/NDF:10.5/19

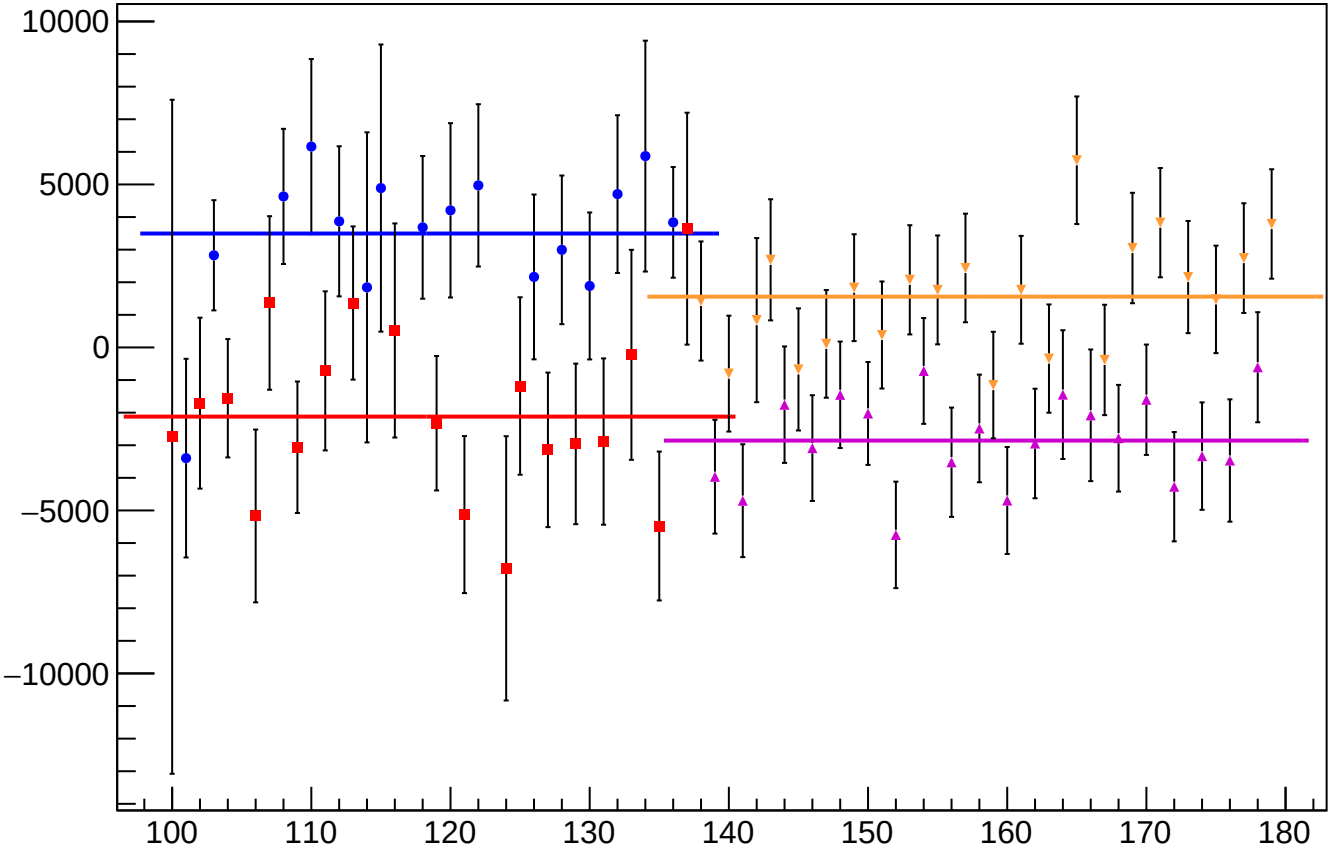
+ sign 0.000+/-0.000 χ^2/NDF: 46.4/37

All: 0.000+/-0.000 χ^2/NDF: 74.3/76

- sign 0.000+/-0.000 χ^2/NDF: 27.9/38


asym_usr_atr1_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
70
60
50
40
30
20
10
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 3869196.1/15
Left Out: 0.000+/-0.000 χ²/NDF:2401807.8/21
Right Out: 0.000+/-0.000 χ²/NDF: 2619469.9/18
Left In: 0.000+/-0.000 χ²/NDF:2425502.0/19
+ sign 0.000+/-0.000 χ²/NDF: 6645041.7/37
All: 0.000+/-0.000 χ²/NDF: 13667944.7/76
- sign 0.000+/-0.000 χ²/NDF: 6952244.2/38

reg_asym_usr_atr2_avg_mean vs Slug



Right In: 3494.380+/-601.185 χ^2/NDF: 8.8/15

Left Out: 1557.594+/-368.491 χ^2/NDF:20.3/21

Right Out: -2121.717+/-587.617 χ^2/NDF: 15.1/18

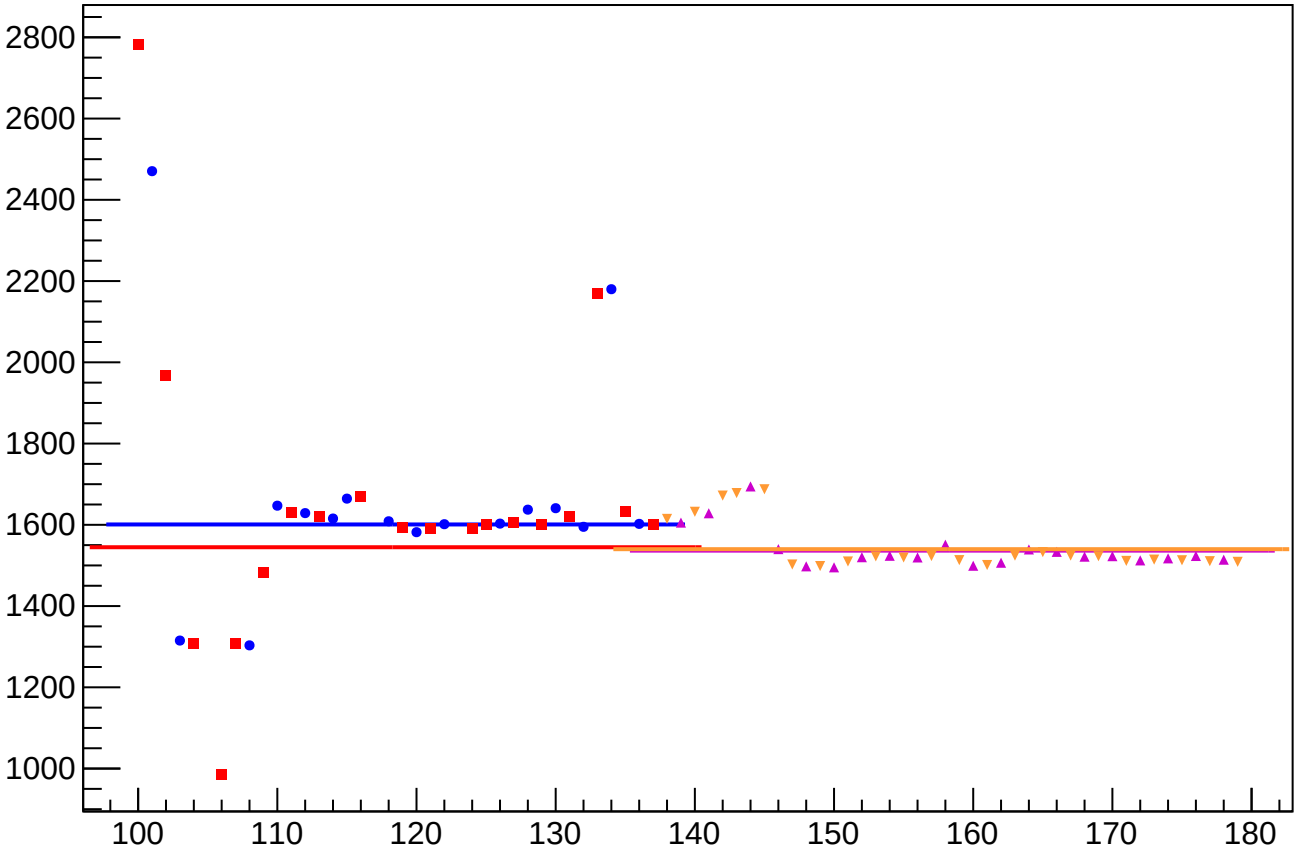
Left In: -2856.271+/-380.218 χ^2/NDF:13.2/19

+ sign 2086.522+/-314.170 χ^2/NDF: 36.7/37

All: -238.805+/-223.916 χ^2/NDF: 177.3/76

- sign -2639.491+/-319.221 χ^2/NDF: 29.4/38

reg_asym_usr_atr2_avg_rms vs Slug



Right In: 1600.880+/-0.425 χ^2/NDF: 317414.0/15

Left Out: 1540.027+/-0.261 χ^2/NDF:46521.8/21

Right Out: 1544.809+/-0.409 χ^2/NDF: 376127.4/18

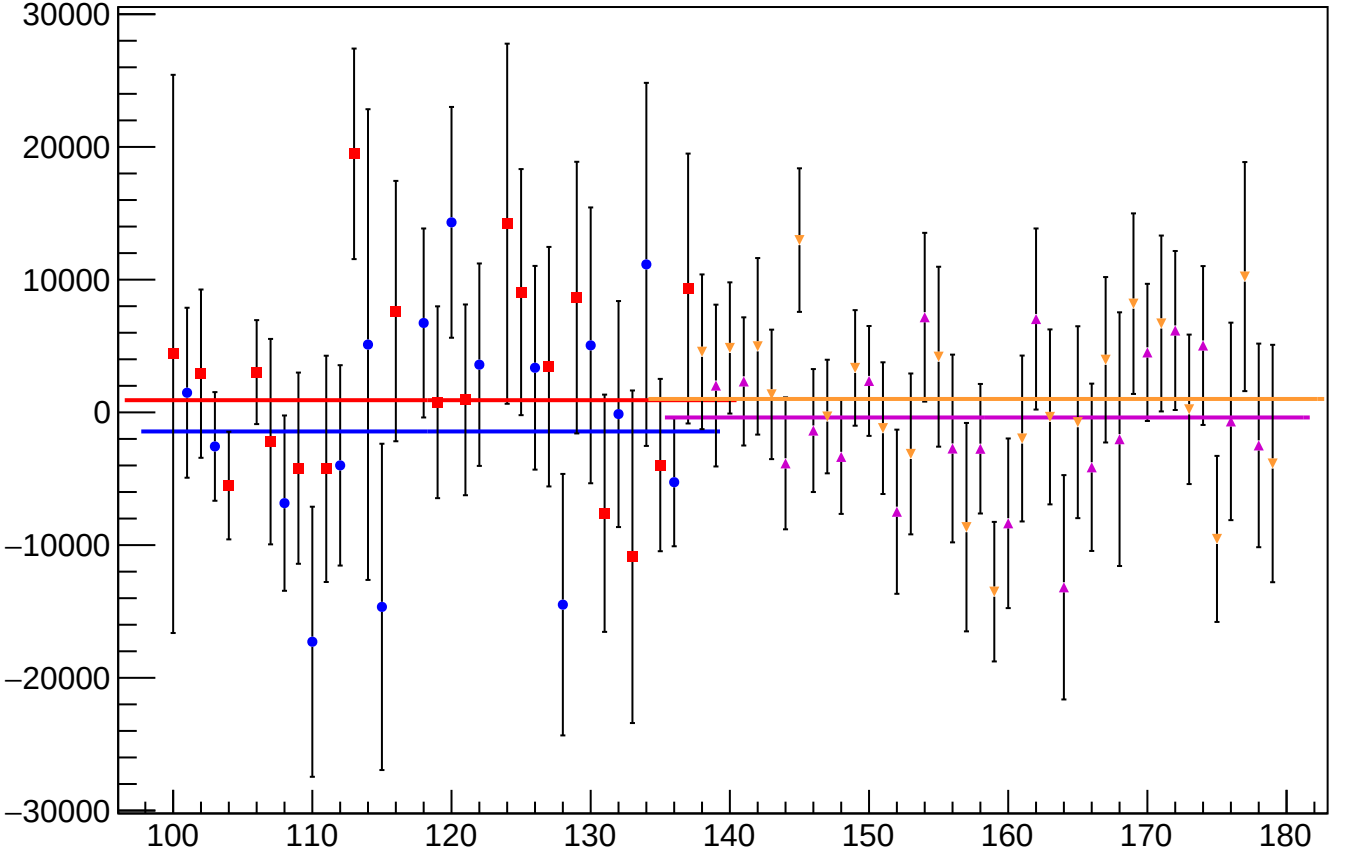
Left In: 1536.491+/-0.269 χ^2/NDF:30680.7/19

+ sign 1556.646+/-0.222 χ^2/NDF: 378830.9/37

All: 1547.921+/-0.158 χ^2/NDF: 789047.0/76

- sign 1539.004+/-0.225 χ^2/NDF: 407097.4/38

asym_usr_atr2_avg_reg_correction_mean vs Slug



Right In: -1437.118+/-1848.287 χ^2/NDF: 13.9/15

Left Out: 1011.186+/-1250.505 χ^2/NDF:23.3/21

Right Out: 918.485+/-1669.278 χ^2/NDF: 15.3/18

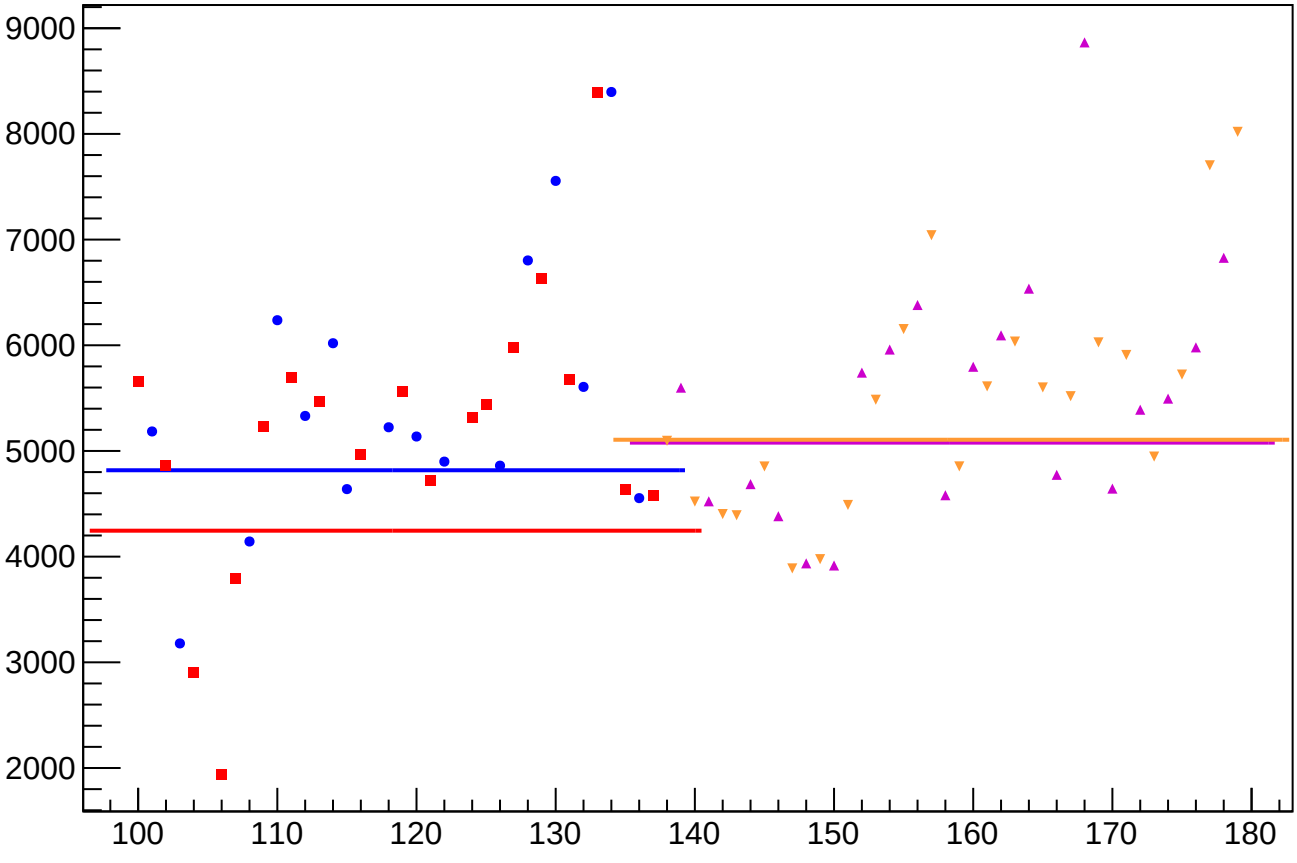
Left In: -383.557+/-1283.899 χ^2/NDF:13.4/19

\+ sign 242.386+/-1035.723 χ^2/NDF: 38.4/37

All: 170.145+/-725.909 χ^2/NDF: 67.5/76

\- sign 100.398+/-1017.696 χ^2/NDF: 29.1/38

asym_usr_atr2_avg_reg_correction_rms vs Slug



Right In: 4817.344+/-1.307 χ^2/NDF: 795431.1/15

Left Out: 5106.063+/-0.884 χ^2/NDF:1158065.7/21

Right Out: 4245.533+/-1.180 χ^2/NDF: 1683159.2/18

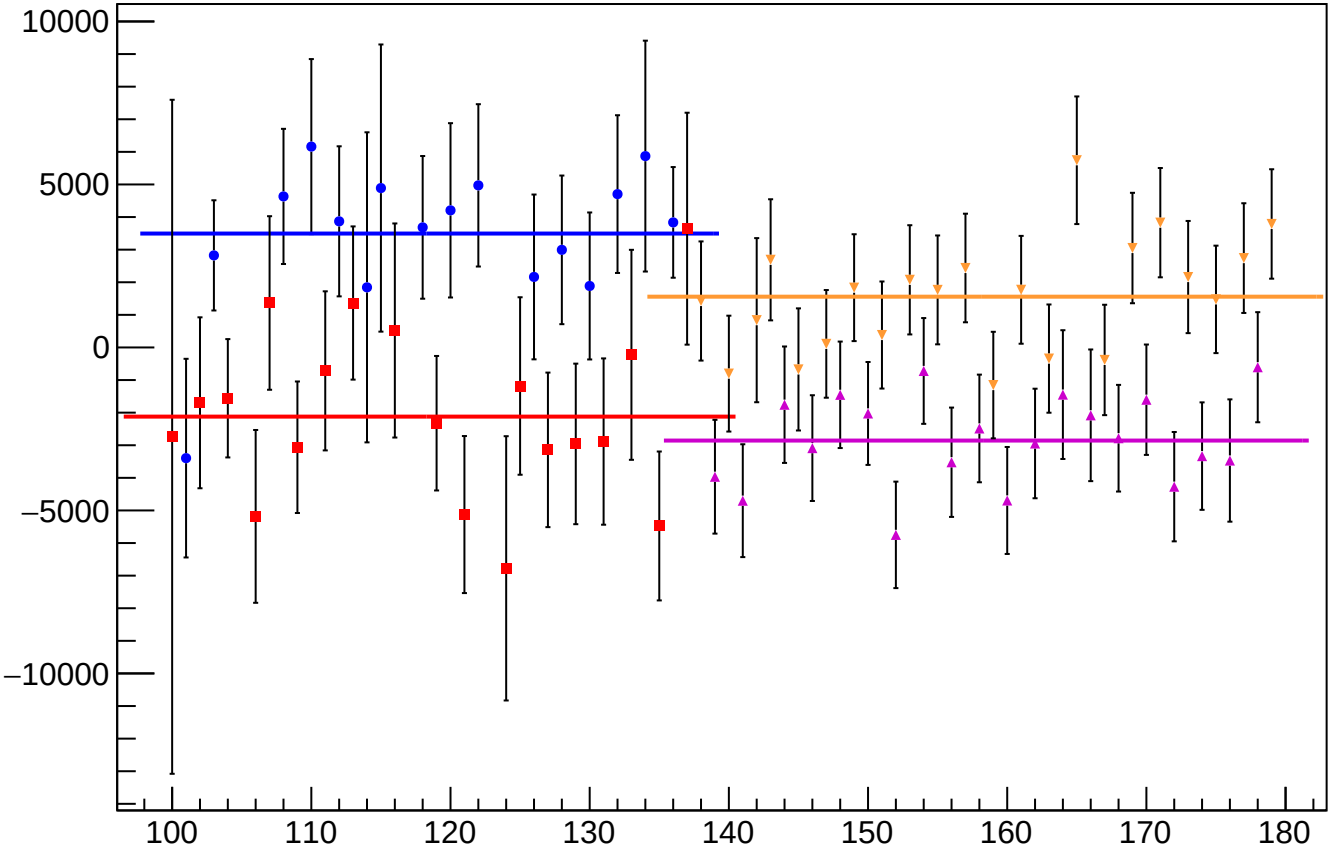
Left In: 5078.865+/-0.908 χ^2/NDF:1158045.4/19

+ sign 5015.401+/-0.732 χ^2/NDF: 1986974.8/37

All: 4890.101+/-0.513 χ^2/NDF: 5198884.5/76

- sign 4769.125+/-0.720 χ^2/NDF: 3154376.7/38

cor_asym_usr_atr2_avg_mean vs Slug



Right In: 3494.046+/-601.185 χ^2/NDF: 8.8/15

Left Out: 1557.507+/-368.491 χ^2/NDF:20.3/21

Right Out: -2121.708+/-587.619 χ^2/NDF: 15.1/18

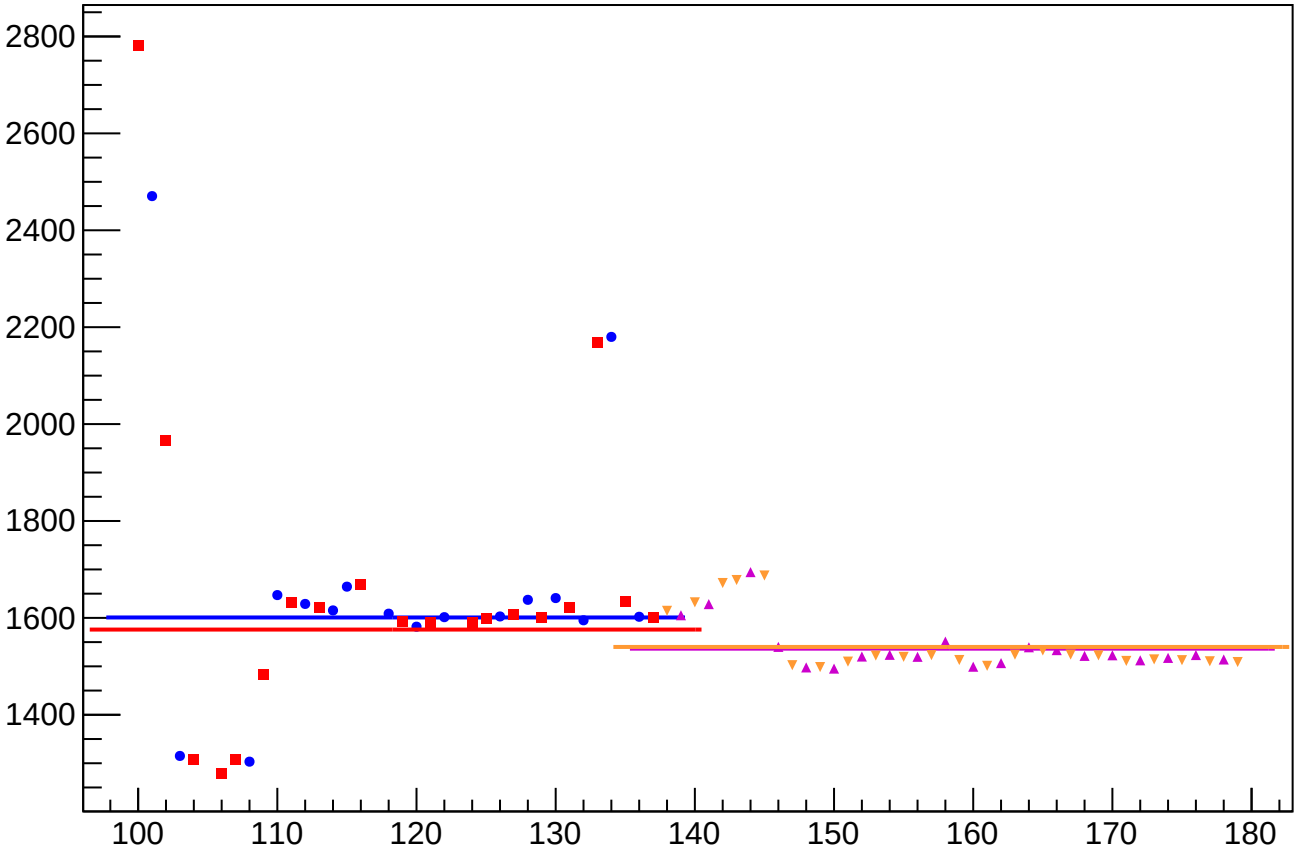
Left In: -2856.183+/-380.218 χ^2/NDF:13.2/19

+ sign 2086.367+/-314.171 χ^2/NDF: 36.7/37

All: -238.849+/-223.916 χ^2/NDF: 177.3/76

- sign -2639.428+/-319.221 χ^2/NDF: 29.4/38

cor_asym_usr_atr2_avg_rms vs Slug



Right In: 1600.880+/-0.425 χ^2/NDF: 317413.1/15

Left Out: 1540.027+/-0.261 χ^2/NDF:46521.8/21

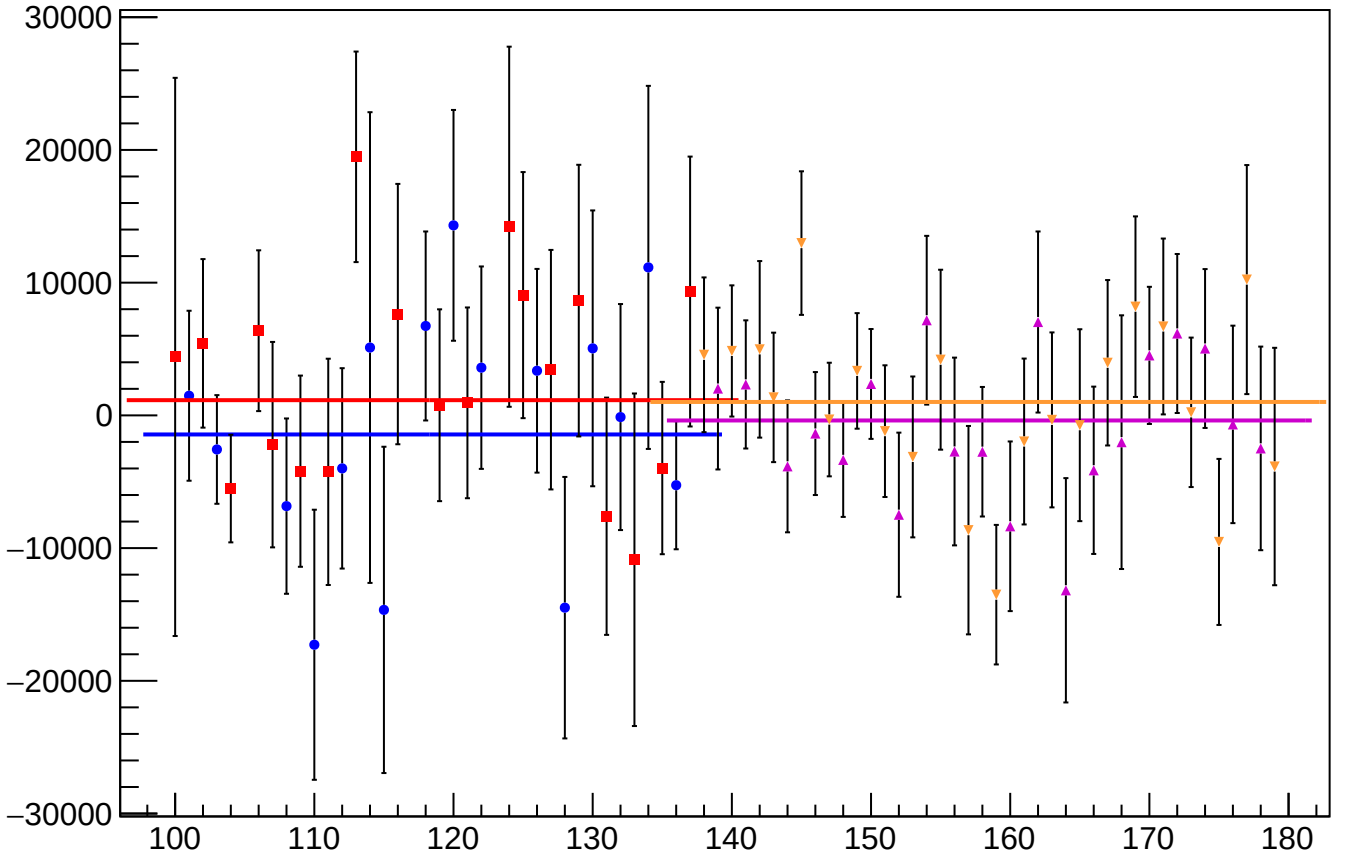
Right Out: 1575.900+/-0.414 χ^2/NDF: 243332.0/18

Left In: 1536.491+/-0.269 χ^2/NDF:30680.7/19

+ sign 1556.646+/-0.222 χ^2/NDF: 378830.2/37

All: 1552.478+/-0.158 χ^2/NDF: 659933.6/76

- sign 1548.186+/-0.225 χ^2/NDF: 280389.0/38



Right In: -1437.362+/-1848.324 χ^2/NDF: 13.9/15

Left Out: 1011.183+/-1250.503 χ^2/NDF:23.3/21

Right Out: 1146.174+/-1765.384 χ^2/NDF: 16.3/18

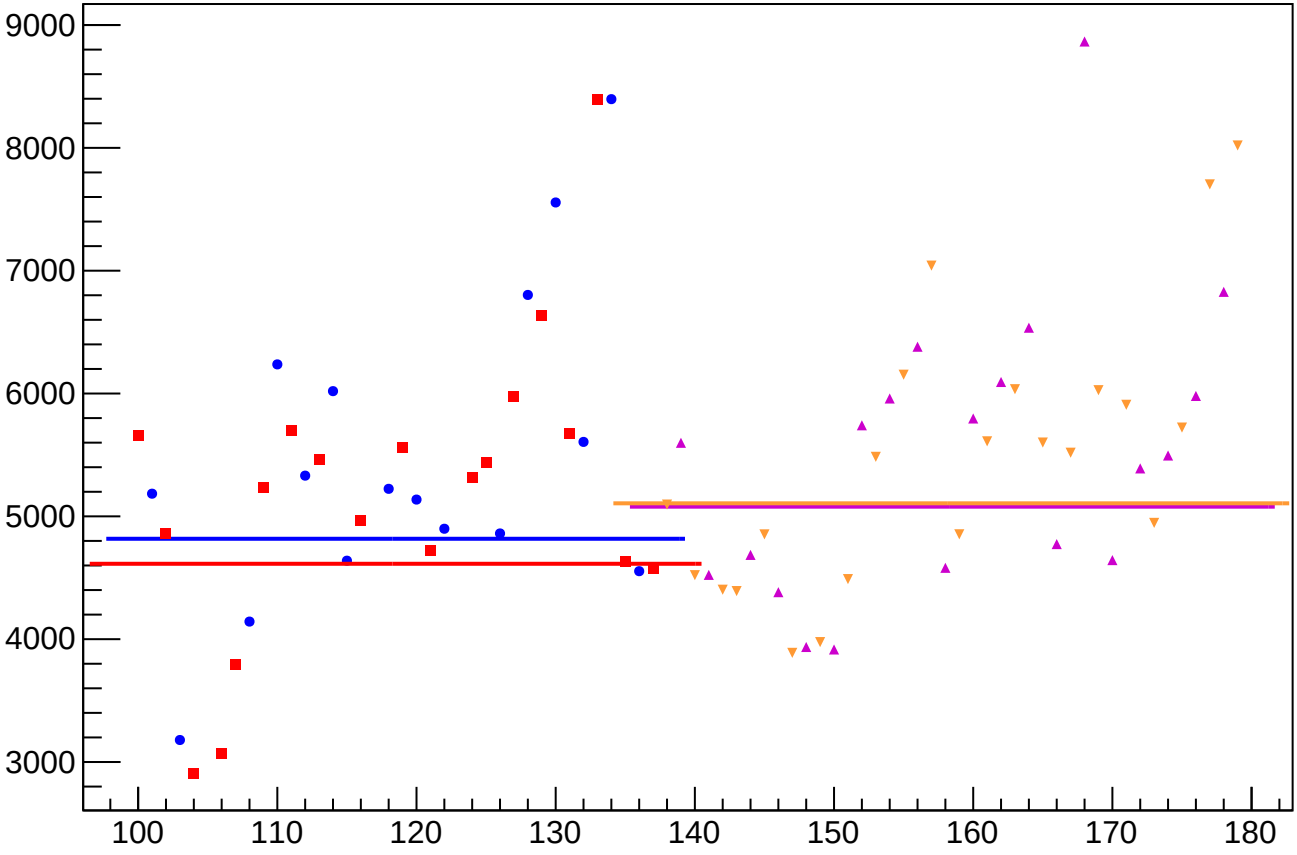
Left In: -383.572+/-1283.899 χ^2/NDF:13.4/19

\+ sign 242.331+/-1035.728 χ^2/NDF: 38.4/37

All: 194.101+/-733.292 χ^2/NDF: 68.6/76

\- sign 145.628+/-1038.340 χ^2/NDF: 30.1/38

asym_usr_atr2_avg_cor_correction_rms vs Slug



Right In: 4817.480+/-1.307 χ^2/NDF: 795233.3/15

Left Out: 5106.053+/-0.884 χ^2/NDF:1158078.4/21

Right Out: 4613.851+/-1.248 χ^2/NDF: 977958.2/18

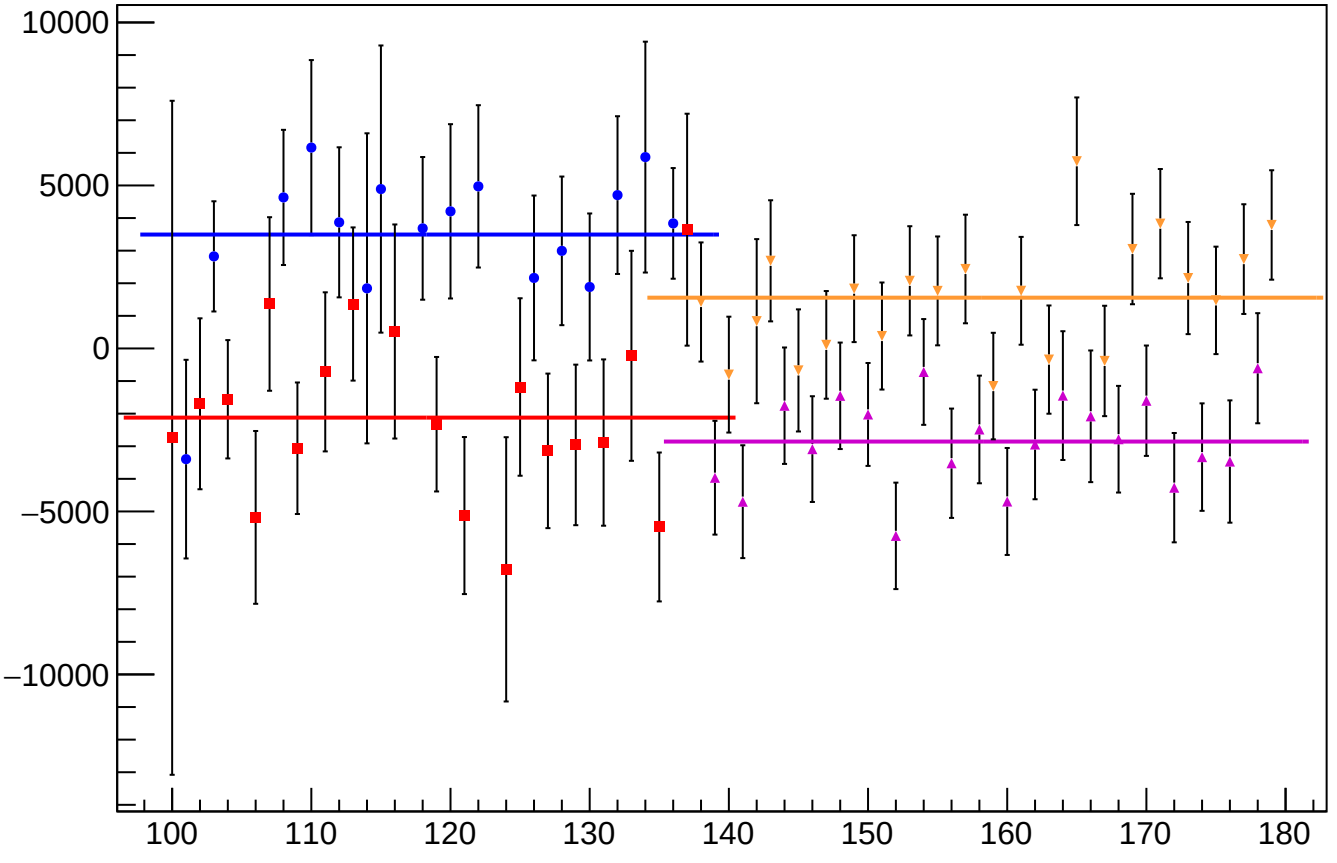
Left In: 5078.864+/-0.908 χ^2/NDF:1158048.0/19

\+ sign 5015.440+/-0.732 χ^2/NDF: 1986754.8/37

All: 4966.841+/-0.519 χ^2/NDF: 4222351.2/76

\- sign 4917.997+/-0.734 χ^2/NDF: 2226767.3/38

eigen_cor_asym_usr_atr2_avg_mean vs Slug



Right In: 3494.046+/-601.185 χ^2/NDF: 8.8/15

Left Out: 1557.507+/-368.491 χ^2/NDF:20.3/21

Right Out: -2121.708+/-587.619 χ^2/NDF: 15.1/18

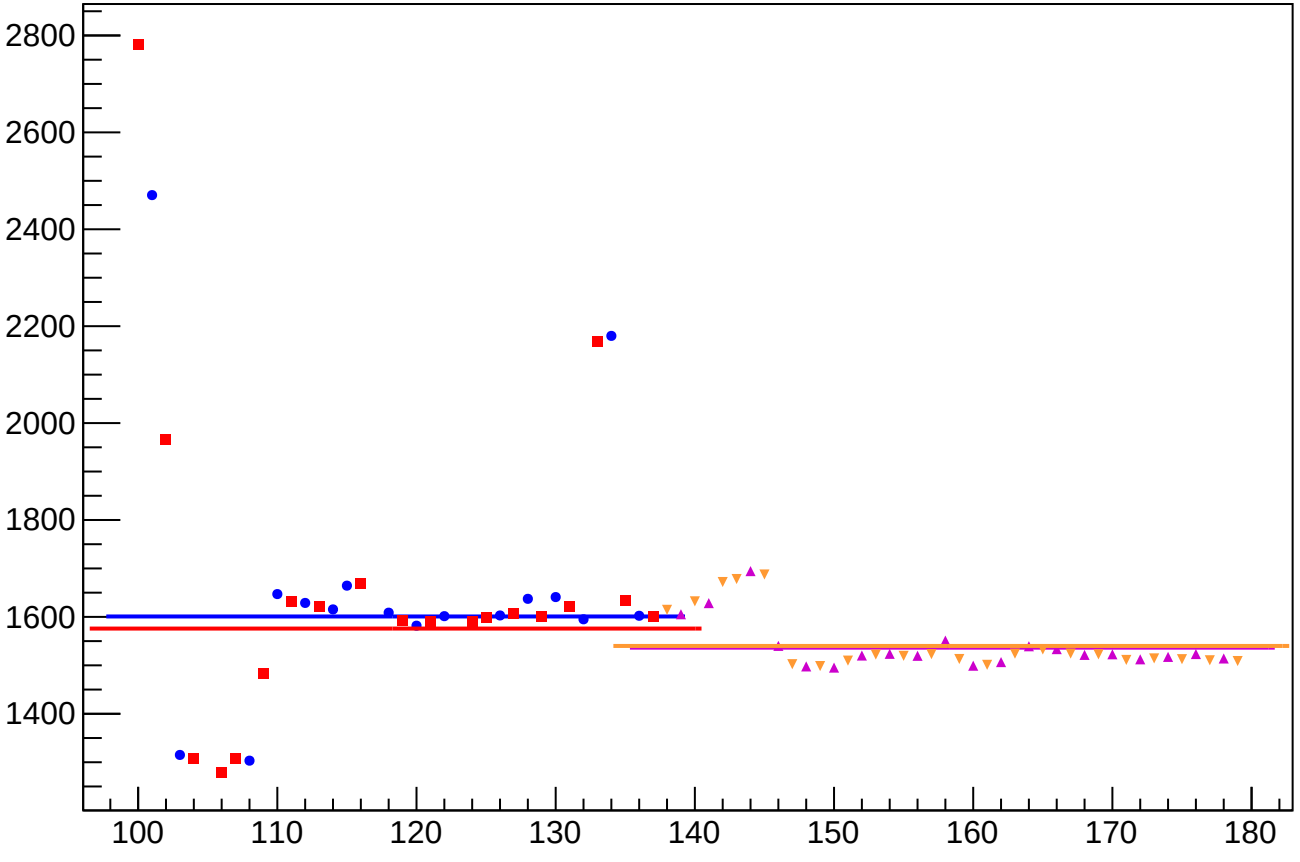
Left In: -2856.183+/-380.218 χ^2/NDF:13.2/19

+ sign 2086.367+/-314.171 χ^2/NDF: 36.7/37

All: -238.849+/-223.916 χ^2/NDF: 177.3/76

- sign -2639.428+/-319.221 χ^2/NDF: 29.4/38

eigen_cor_asym_usr_atr2_avg_rms vs Slug



Right In: 1600.880+/-0.425 χ^2/NDF: 317413.1/15

Left Out: 1540.027+/-0.261 χ^2/NDF:46521.8/21

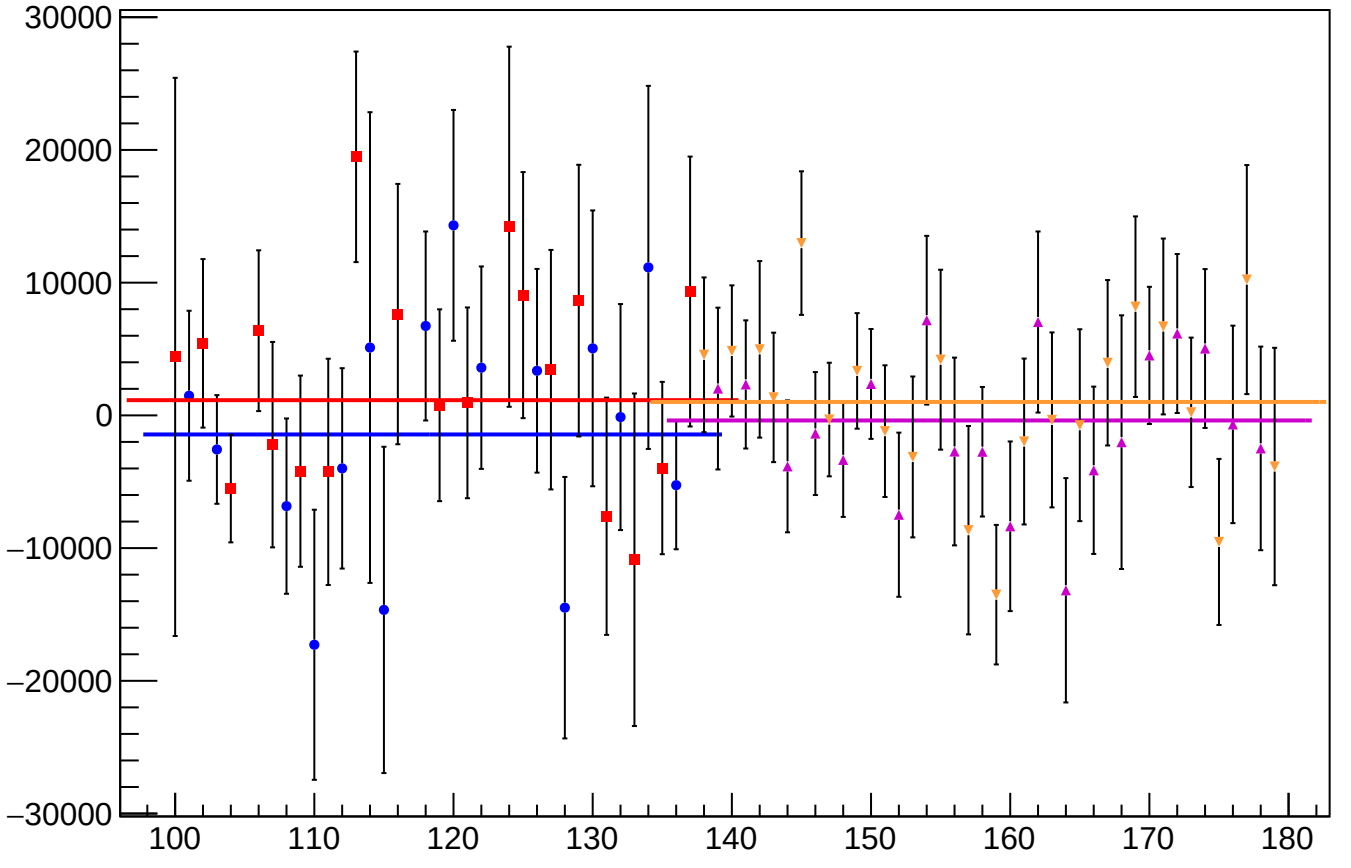
Right Out: 1575.900+/-0.414 χ^2/NDF: 243332.0/18

Left In: 1536.491+/-0.269 χ^2/NDF:30680.7/19

+ sign 1556.646+/-0.222 χ^2/NDF: 378830.2/37

All: 1552.478+/-0.158 χ^2/NDF: 659933.6/76

- sign 1548.186+/-0.225 χ^2/NDF: 280389.0/38



Right In: -1437.362+/-1848.324 χ^2/NDF: 13.9/15

Left Out: 1011.183+/-1250.503 χ^2/NDF:23.3/21

Right Out: 1146.174+/-1765.384 χ^2/NDF: 16.3/18

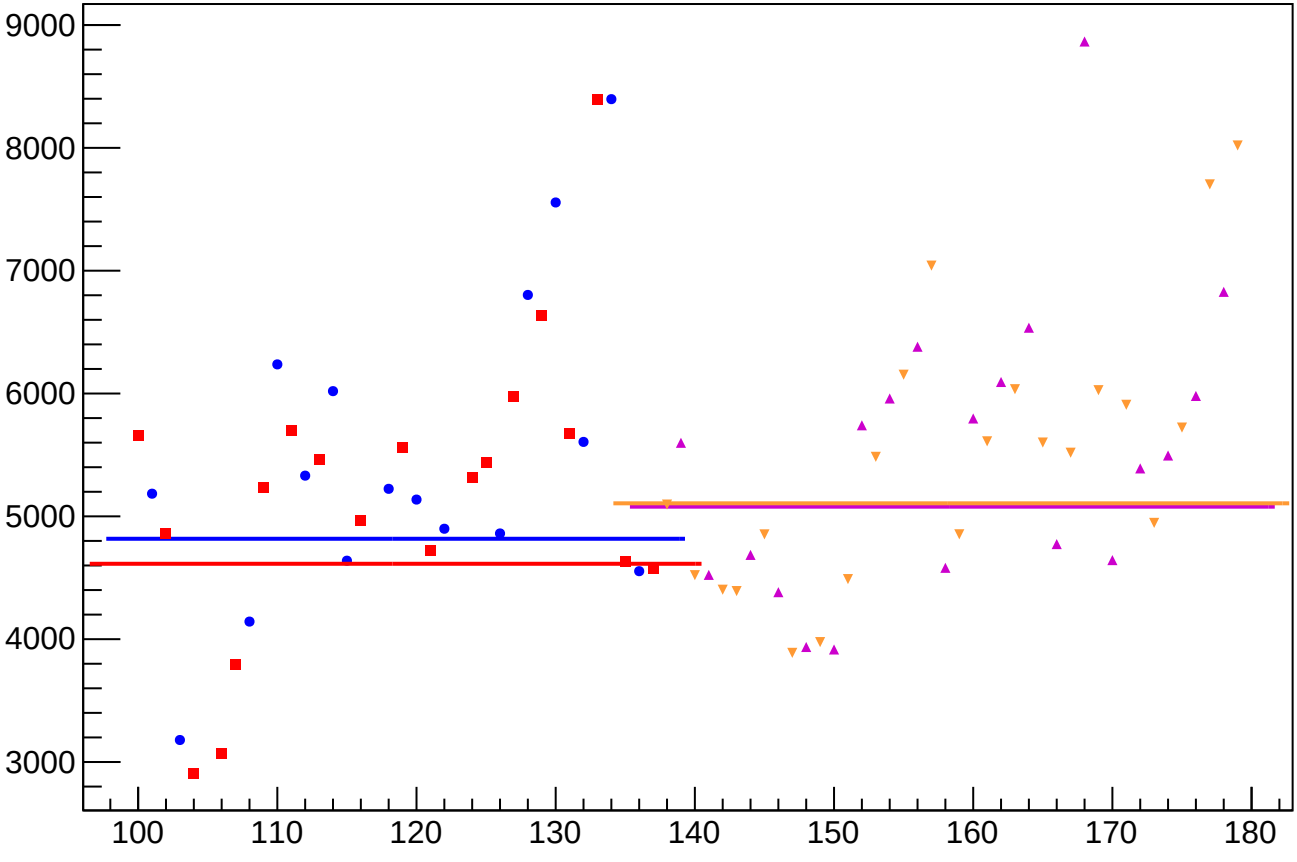
Left In: -383.572+/-1283.899 χ^2/NDF:13.4/19

+ sign 242.331+/-1035.728 χ^2/NDF: 38.4/37

All: 194.101+/-733.292 χ^2/NDF: 68.6/76

- sign 145.628+/-1038.340 χ^2/NDF: 30.1/38

asym_usr_atr2_avg_eigen_cor_correction_rms vs Slug



Right In: 4817.480+/-1.307 χ^2/NDF: 795233.3/15

Left Out: 5106.053+/-0.884 χ^2/NDF:1158078.4/21

Right Out: 4613.851+/-1.248 χ^2/NDF: 977958.2/18

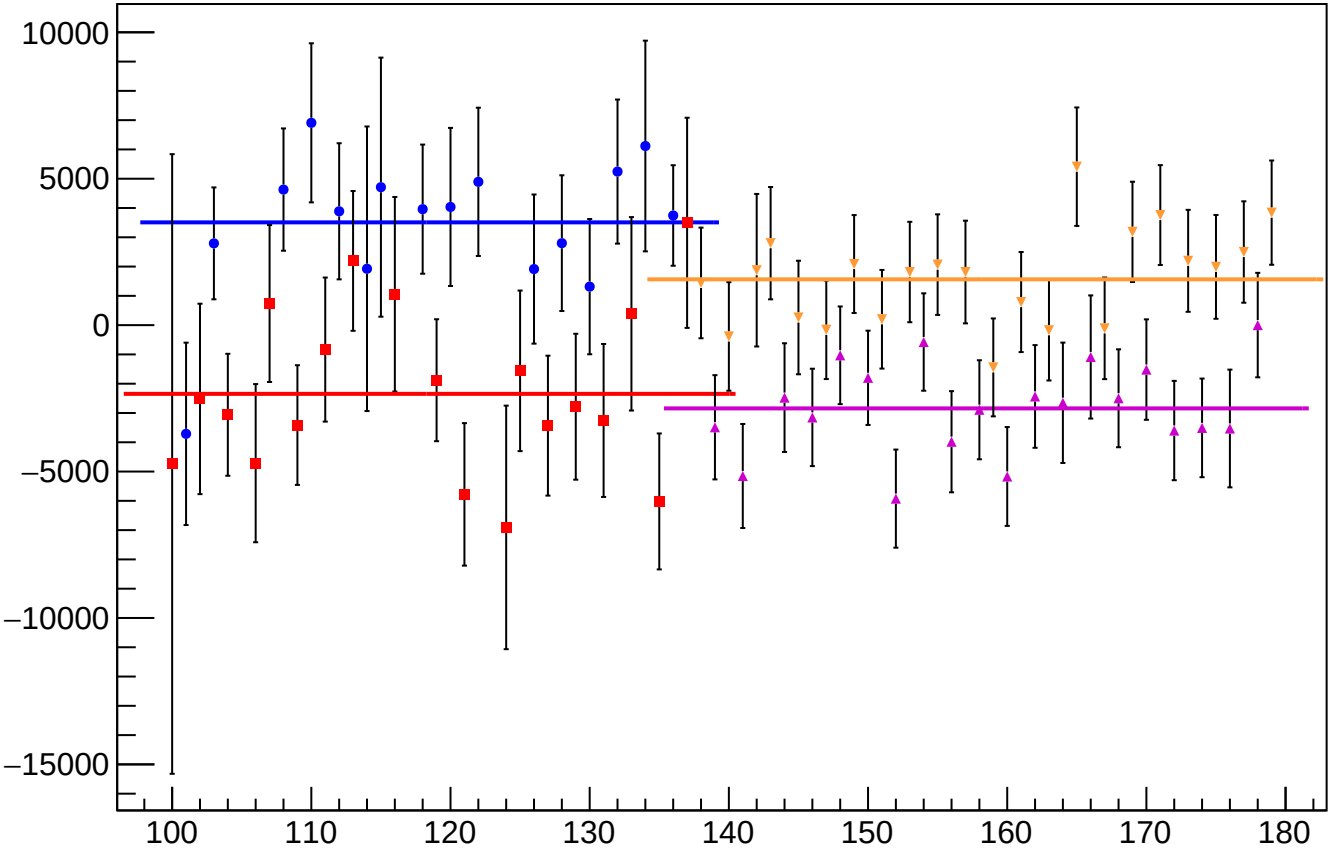
Left In: 5078.864+/-0.908 χ^2/NDF:1158048.0/19

+ sign 5015.440+/-0.732 χ^2/NDF: 1986754.8/37

All: 4966.841+/-0.519 χ^2/NDF: 4222351.2/76

- sign 4917.997+/-0.734 χ^2/NDF: 2226767.3/38

dit_asym_usr_atr2_avg_mean vs Slug



Right In: 3509.507+/-616.724 χ^2/NDF: 10.4/15

Left Out: 1564.433+/-380.035 χ^2/NDF:17.6/21

Right Out: -2346.859+/-607.502 χ^2/NDF: 17.1/18

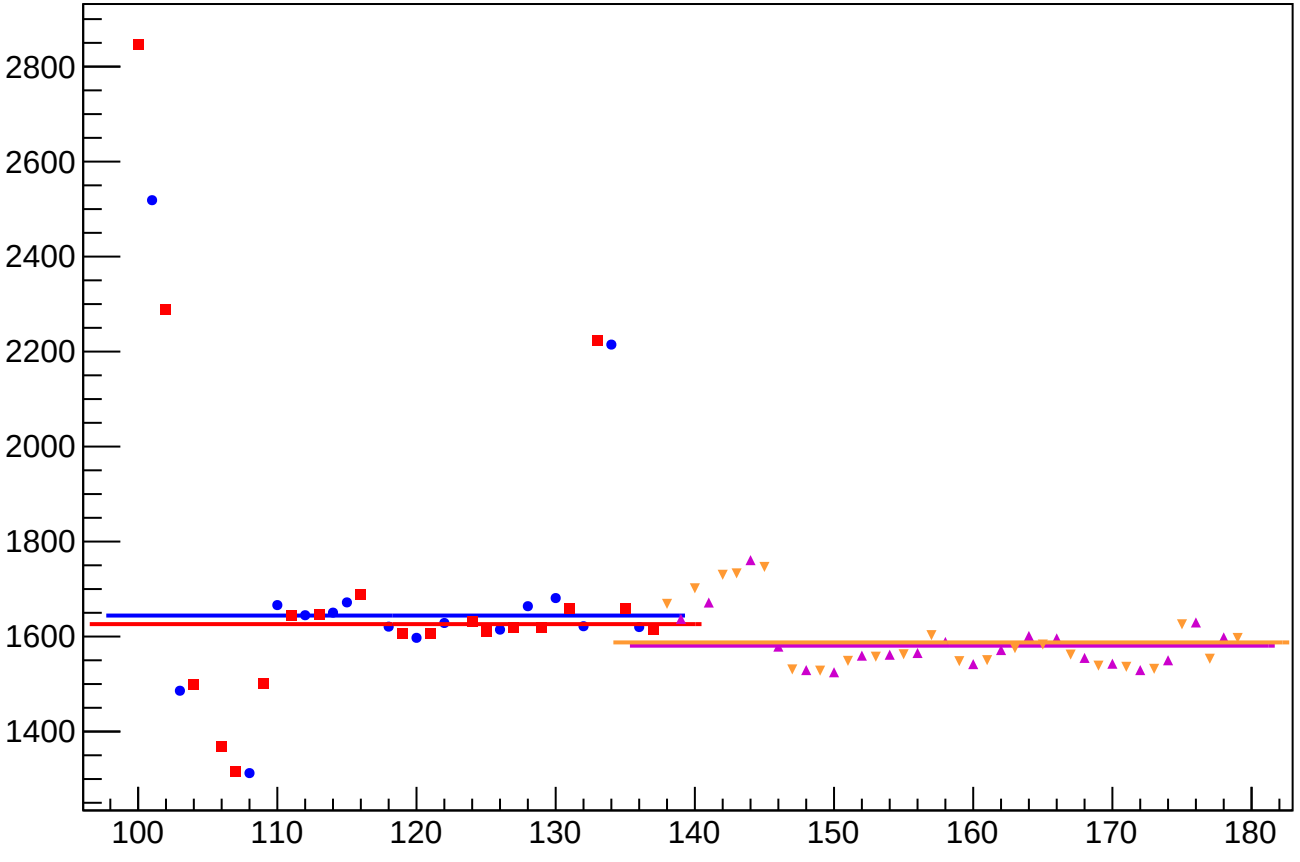
Left In: -2843.197+/-391.286 χ^2/NDF:15.5/19

+ sign 2099.749+/-323.540 χ^2/NDF: 35.2/37

All: -259.137+/-230.669 χ^2/NDF: 176.4/76

- sign -2697.665+/-328.957 χ^2/NDF: 33.1/38

dit_asym_usr_atr2_avg_rms vs Slug



Right In: 1644.198+/-0.436 χ^2/NDF: 274817.9/15

Left Out: 1587.643+/-0.269 χ^2/NDF:59087.7/21

Right Out: 1626.174+/-0.429 χ^2/NDF: 237639.1/18

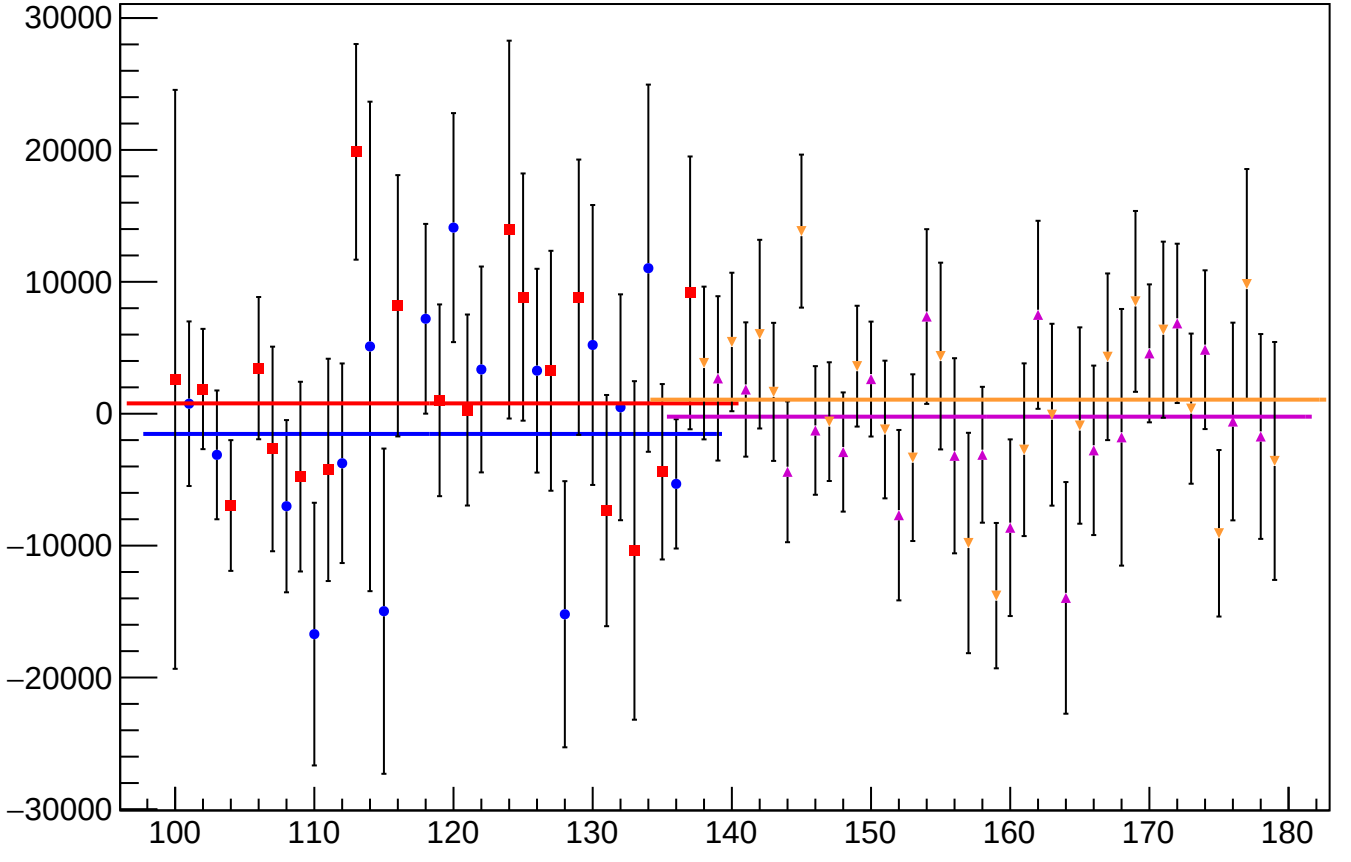
Left In: 1580.774+/-0.277 χ^2/NDF:37923.7/19

+ sign 1603.208+/-0.229 χ^2/NDF: 346095.7/37

All: 1598.729+/-0.163 χ^2/NDF: 630342.4/76

- sign 1594.102+/-0.233 χ^2/NDF: 283467.6/38

asym_usr_atr2_avg_dit_correction_mean vs Slug



Right In: -1532.110+/-1913.799 χ^2/NDF: 13.9/15

Left Out: 1066.881+/-1301.419 χ^2/NDF:22.9/21

Right Out: 784.235+/-1748.566 χ^2/NDF: 15.0/18

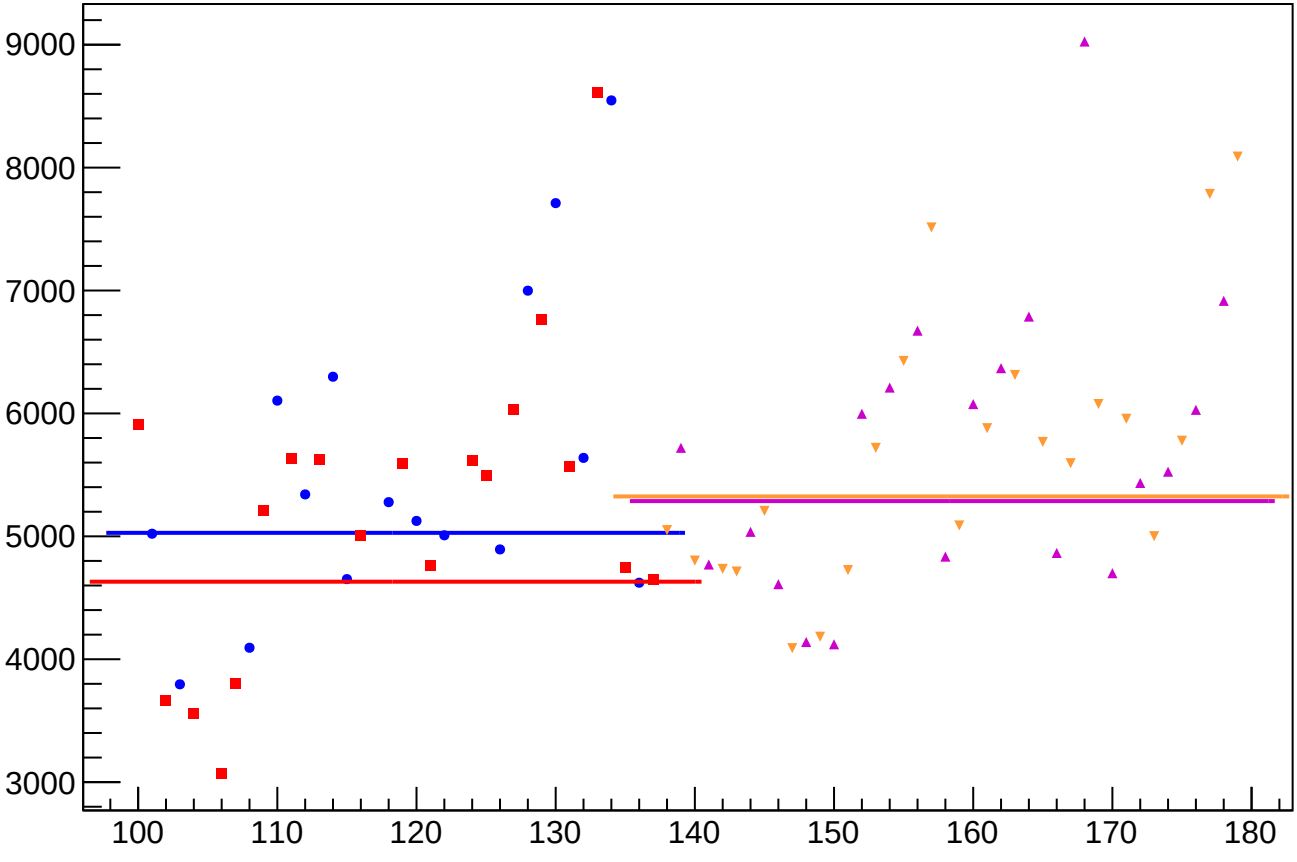
Left In: -223.679+/-1334.459 χ^2/NDF:13.3/19

\+ sign 245.069+/-1076.168 χ^2/NDF: 38.1/37

All: 195.480+/-755.482 χ^2/NDF: 66.6/76

\- sign 147.296+/-1060.822 χ^2/NDF: 28.5/38

asym_usr_atr2_avg_dit_correction_rms vs Slug



Right In: 5028.449+/-1.353 χ^2/NDF: 565469.4/15

Left Out: 5324.669+/-0.920 χ^2/NDF:1036270.0/21

Right Out: 4630.901+/-1.236 χ^2/NDF: 863515.0/18

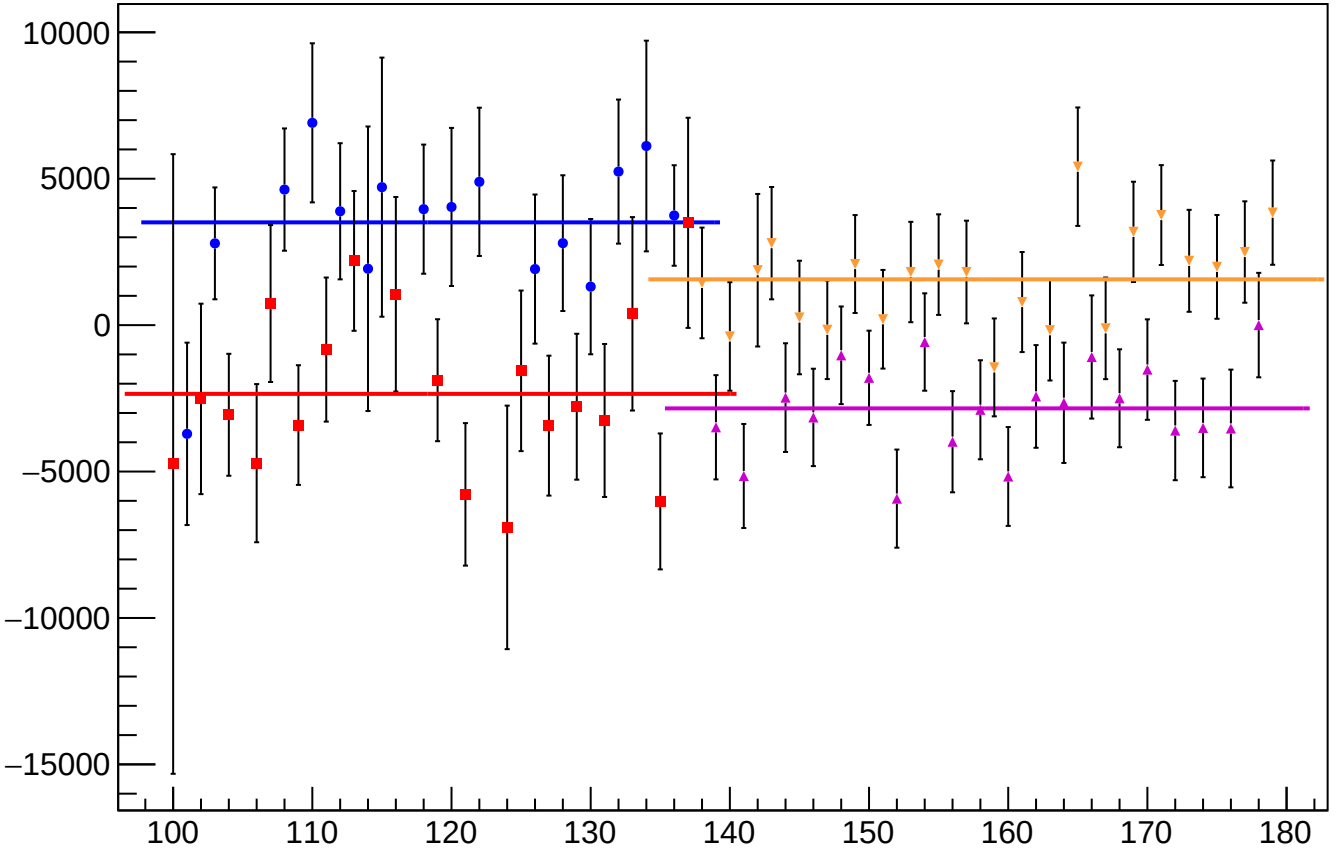
Left In: 5286.724+/-0.944 χ^2/NDF:1067073.2/19

+ sign 5231.003+/-0.761 χ^2/NDF: 1634503.0/37

All: 5136.839+/-0.534 χ^2/NDF: 3773075.2/76

- sign 5045.341+/-0.750 χ^2/NDF: 2108381.0/38

eigen_dit_asym_usr_atr2_avg_mean vs Slug



Right In: 3509.509+/-616.724 χ^2/NDF: 10.4/15

Left Out: 1564.427+/-380.036 χ^2/NDF:17.6/21

Right Out: -2346.865+/-607.502 χ^2/NDF: 17.1/18

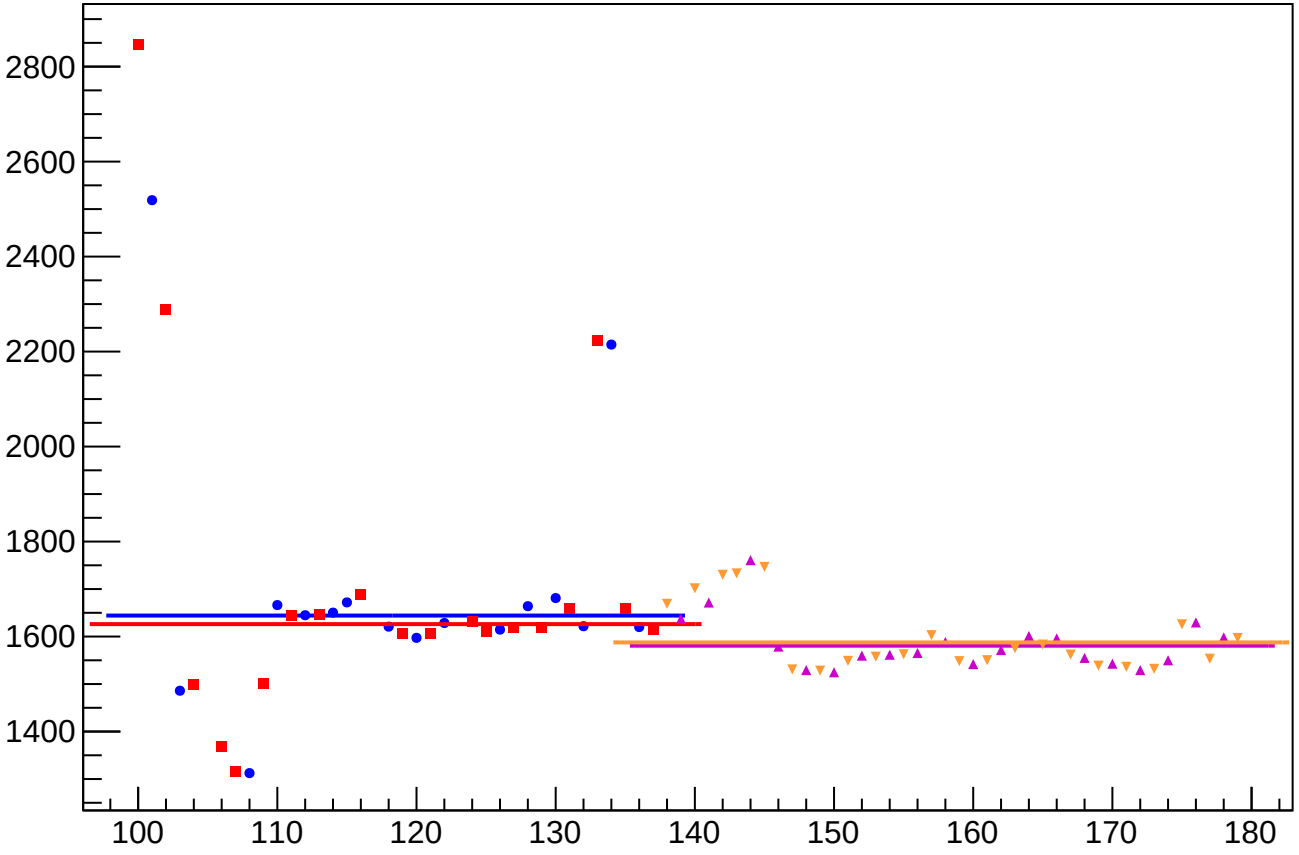
Left In: -2843.200+/-391.286 χ^2/NDF:15.5/19

+ sign 2099.746+/-323.540 χ^2/NDF: 35.2/37

All: -259.141+/-230.669 χ^2/NDF: 176.4/76

- sign -2697.668+/-328.957 χ^2/NDF: 33.1/38

eigen_dit_asym_usr_atr2_avg_rms vs Slug



Right In: 1644.198+/-0.436 χ^2/NDF: 274818.1/15

Left Out: 1587.644+/-0.269 χ^2/NDF:59087.9/21

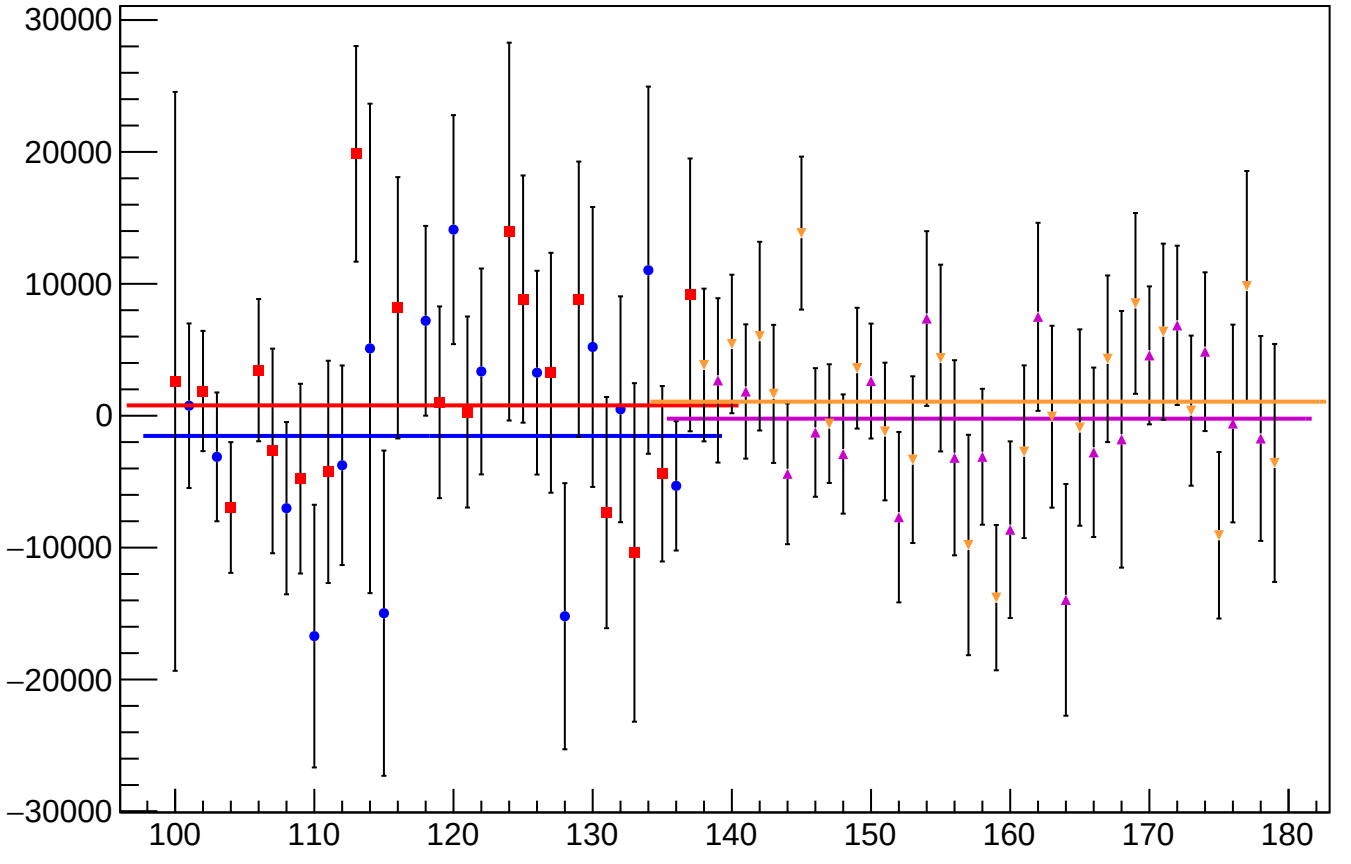
Right Out: 1626.174+/-0.429 χ^2/NDF: 237638.8/18

Left In: 1580.775+/-0.277 χ^2/NDF:37923.6/19

+ sign 1603.208+/-0.229 χ^2/NDF: 346095.3/37

All: 1598.730+/-0.163 χ^2/NDF: 630341.1/76

- sign 1594.103+/-0.233 χ^2/NDF: 283466.7/38



Right In: -1532.095+/-1913.796 χ^2/NDF: 13.9/15

Left Out: 1066.878+/-1301.421 χ^2/NDF:22.9/21

Right Out: 784.236+/-1748.563 χ^2/NDF: 15.0/18

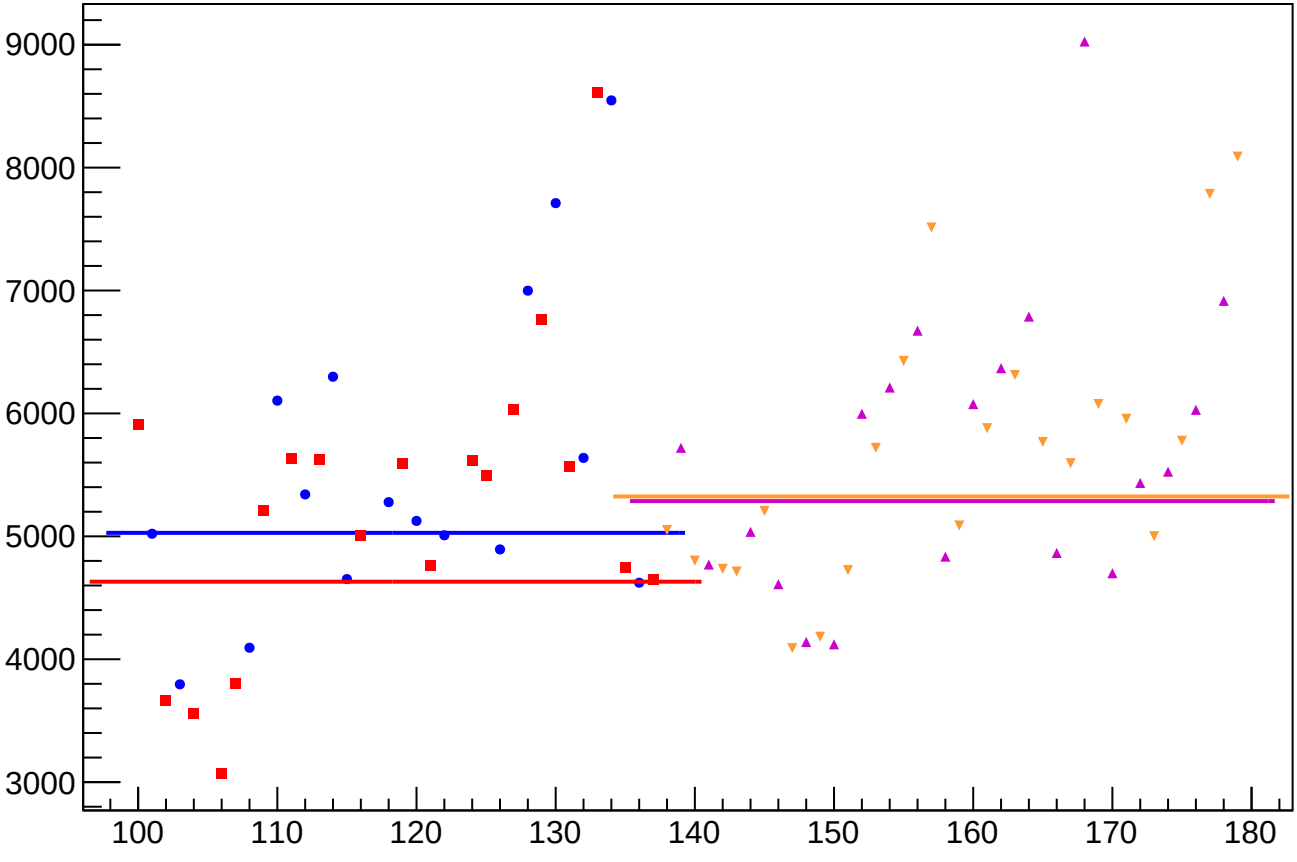
Left In: -223.678+/-1334.462 χ^2/NDF:13.3/19

\+ sign 245.068+/-1076.169 χ^2/NDF: 38.1/37

All: 195.481+/-755.482 χ^2/NDF: 66.6/76

\- sign 147.298+/-1060.823 χ^2/NDF: 28.5/38

asym_usr_atr2_avg_eigen_dit_correction_rms vs Slug



Right In: 5028.443+/-1.353 χ^2/NDF: 565463.1/15

Left Out: 5324.678+/-0.920 χ^2/NDF:1036272.2/21

Right Out: 4630.895+/-1.236 χ^2/NDF: 863509.0/18

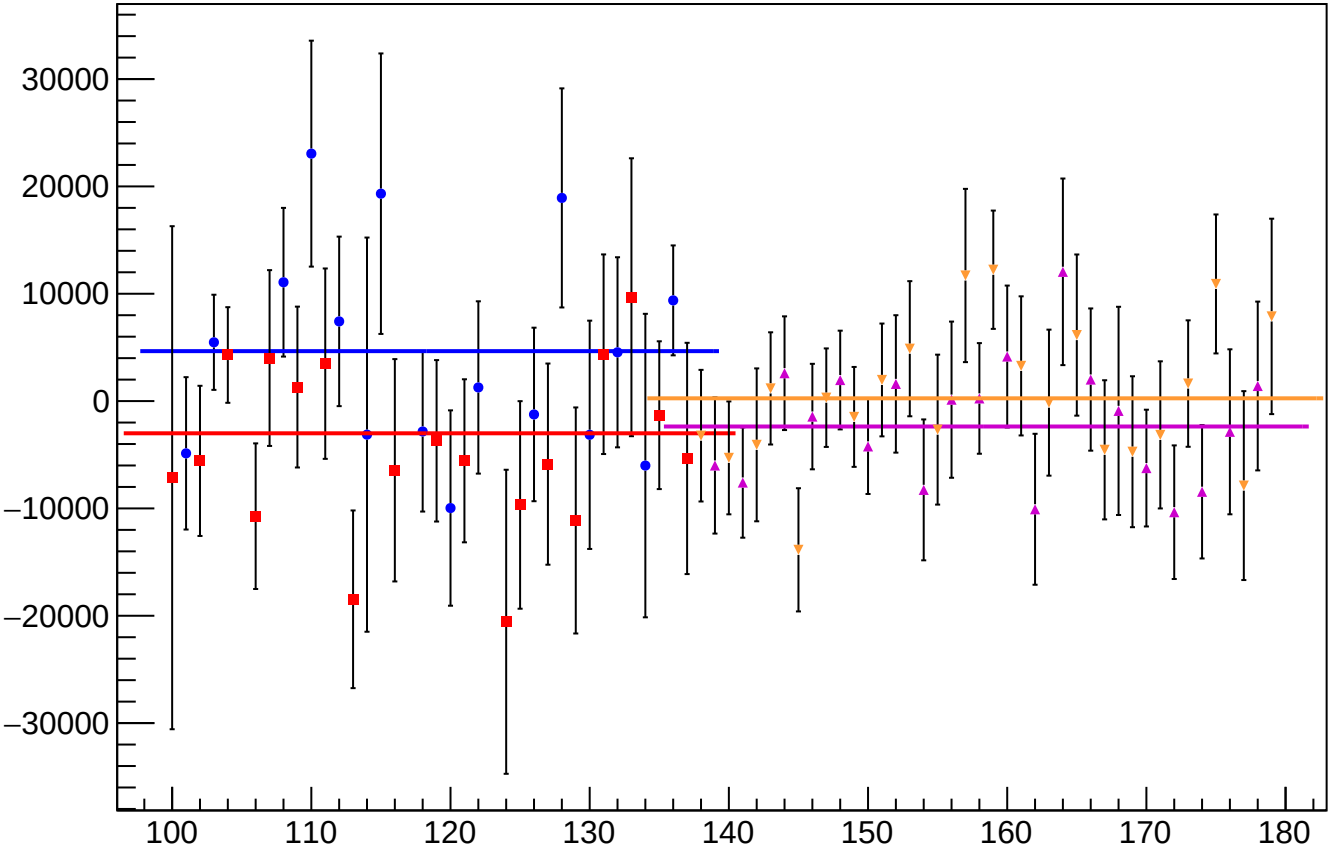
Left In: 5286.733+/-0.944 χ^2/NDF:1067075.9/19

+ sign 5231.007+/-0.761 χ^2/NDF: 1634502.5/37

All: 5136.842+/-0.534 χ^2/NDF: 3773080.3/76

- sign 5045.343+/-0.750 χ^2/NDF: 2108386.1/38

asym_usr_atr2_avg_mean vs Slug



Right In: 4653.137+/-1958.496 χ^2/NDF: 15.5/15

Left Out: 257.437+/-1313.709 χ^2/NDF:22.0/21

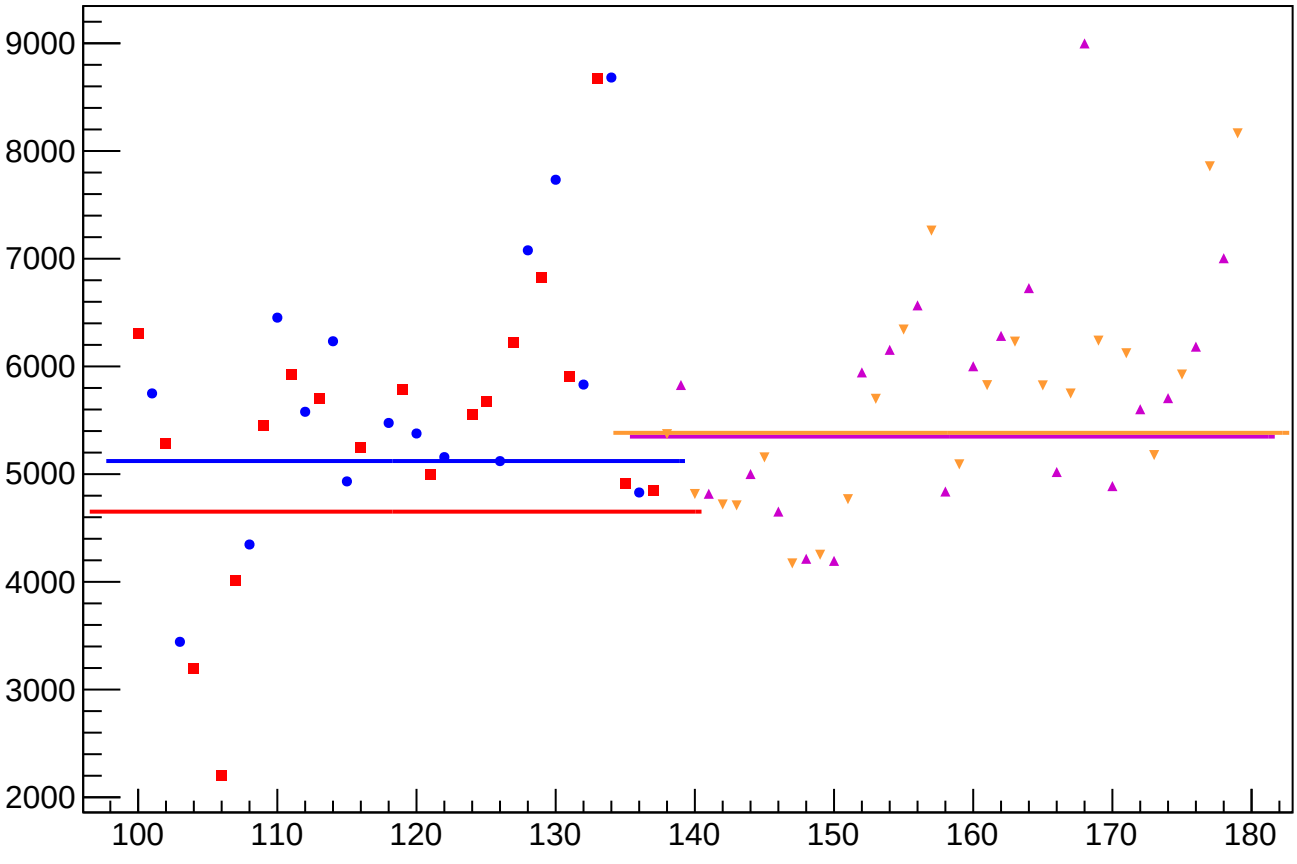
Right Out: -3000.980+/-1882.821 χ^2/NDF: 13.9/18

Left In: -2368.054+/-1347.795 χ^2/NDF:13.6/19

+ sign 1621.491+/-1090.999 χ^2/NDF: 41.0/37

All: -471.003+/-773.194 χ^2/NDF: 76.0/76

- sign -2582.496+/-1095.941 χ^2/NDF: 27.6/38



Right In: 5121.644+/-1.385 χ^2/NDF: 720370.1/15

Left Out: 5383.435+/-0.929 χ^2/NDF:986605.6/21

Right Out: 4651.727+/-1.280 χ^2/NDF: 1344868.0/18

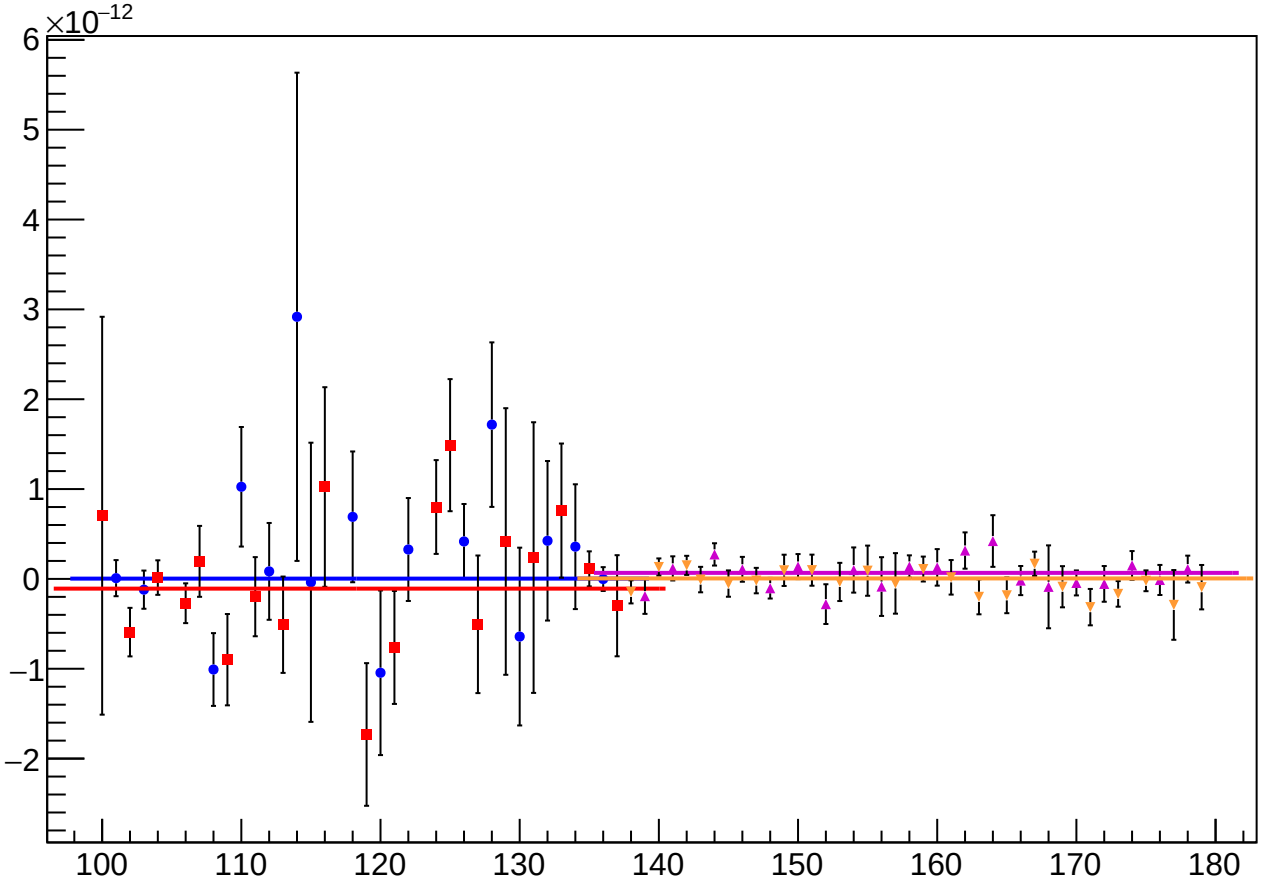
Left In: 5348.574+/-0.953 χ^2/NDF:991616.8/19

+ sign 5302.197+/-0.771 χ^2/NDF: 1731621.7/37

All: 5200.248+/-0.543 χ^2/NDF: 4293331.4/76

- sign 5100.130+/-0.764 χ^2/NDF: 2527095.2/38

asym_usr_atr2_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 18.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.8/21

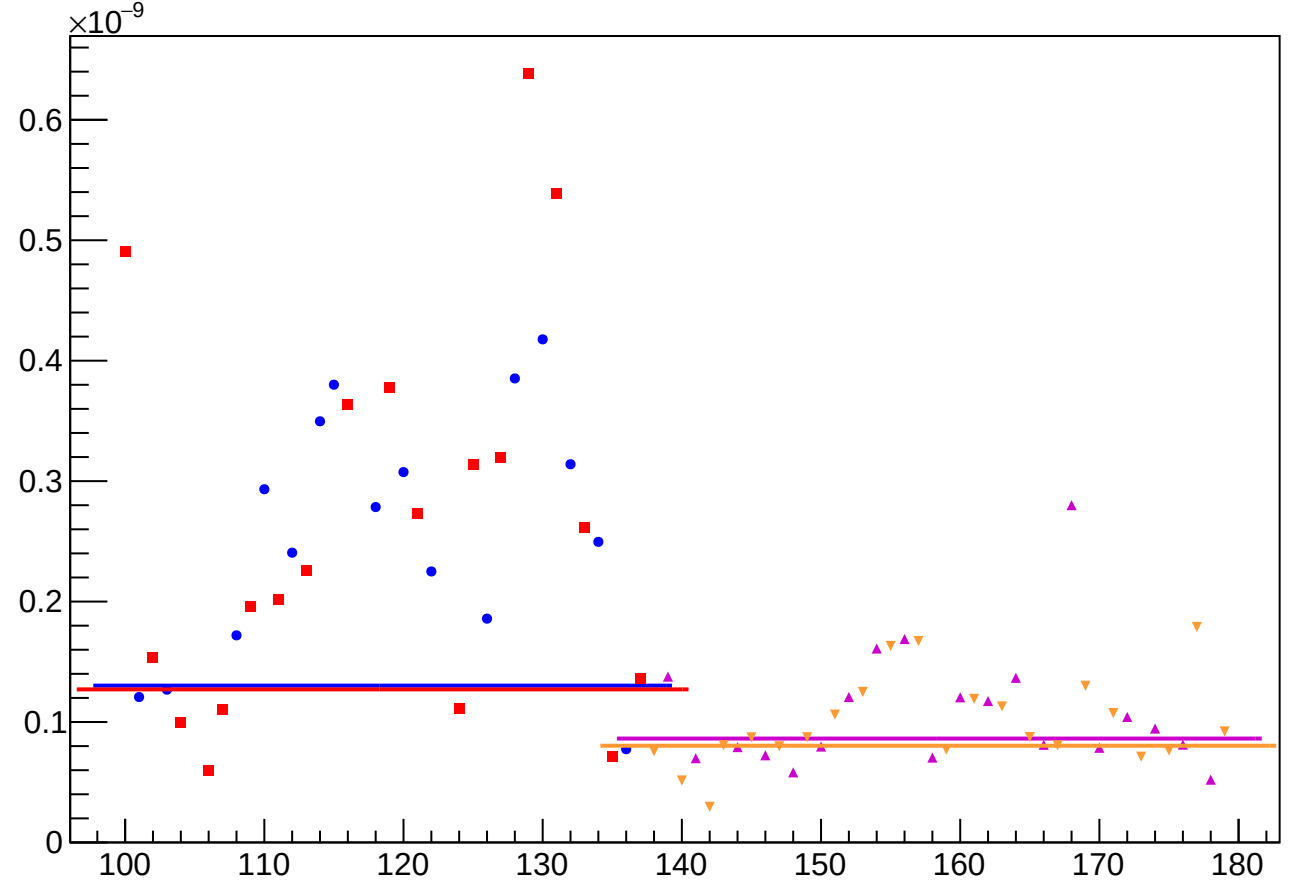
Right Out: -0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: 0.000+/-0.000 χ^2/NDF:15.3/19

+ sign 0.000+/-0.000 χ^2/NDF: 32.8/37

All: 0.000+/-0.000 χ^2/NDF: 77.2/76

- sign 0.000+/-0.000 χ^2/NDF: 43.7/38



Right In: 0.000+/-0.000 χ^2/NDF: 1329229.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1505460.6/21

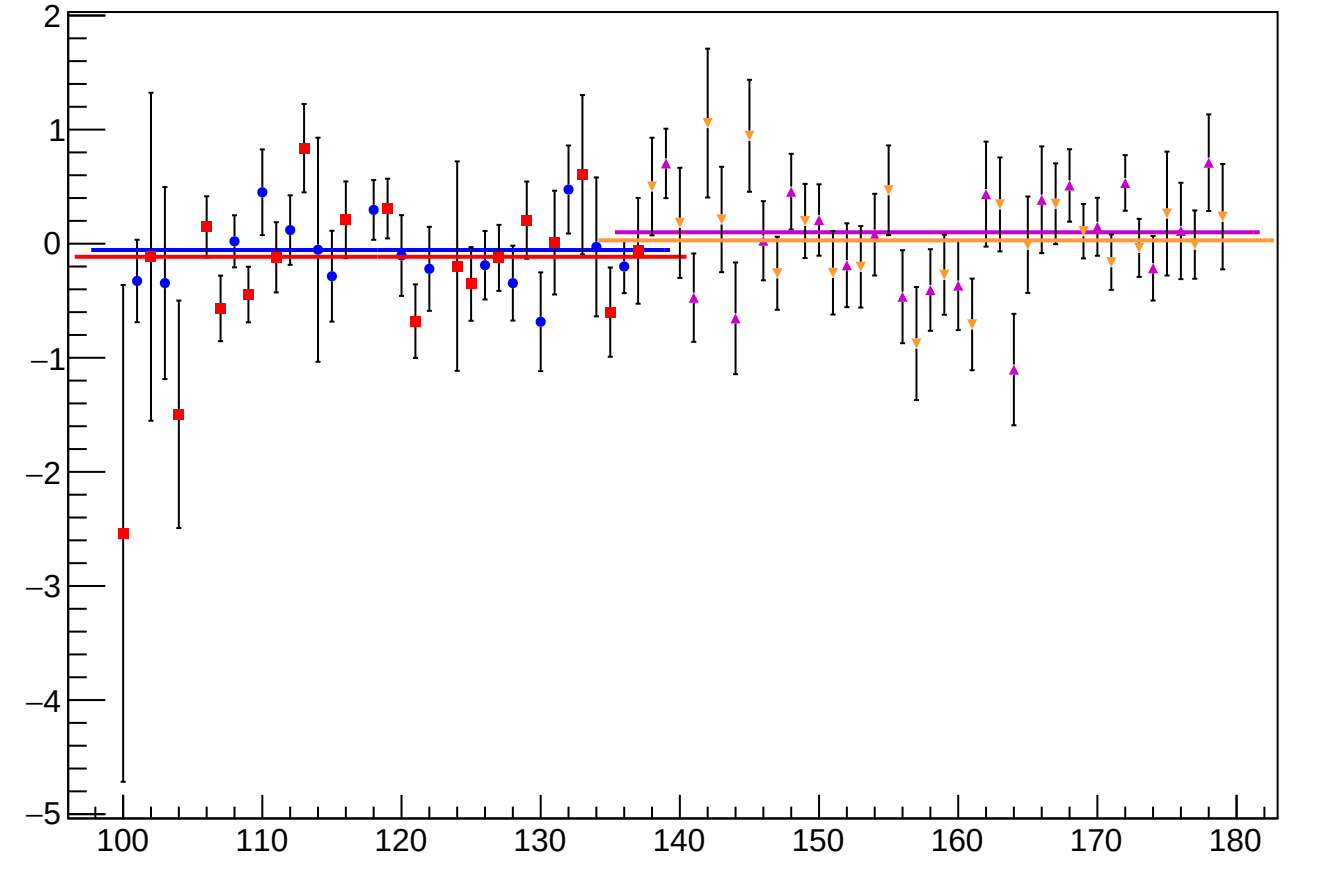
Right Out: 0.000+/-0.000 χ^2/NDF: 1734331.2/18

Left In: 0.000+/-0.000 χ^2/NDF:1355500.4/19

+ sign 0.000+/-0.000 χ^2/NDF: 3413311.0/37

All: 0.000+/-0.000 χ^2/NDF: 6885059.6/76

- sign 0.000+/-0.000 χ^2/NDF: 3444975.8/38



Right In: -0.055+/-0.085 χ^2/NDF: 10.7/15

Left Out: 0.029+/-0.077 χ^2/NDF:20.9/21

Right Out: -0.114+/-0.083 χ^2/NDF: 25.2/18

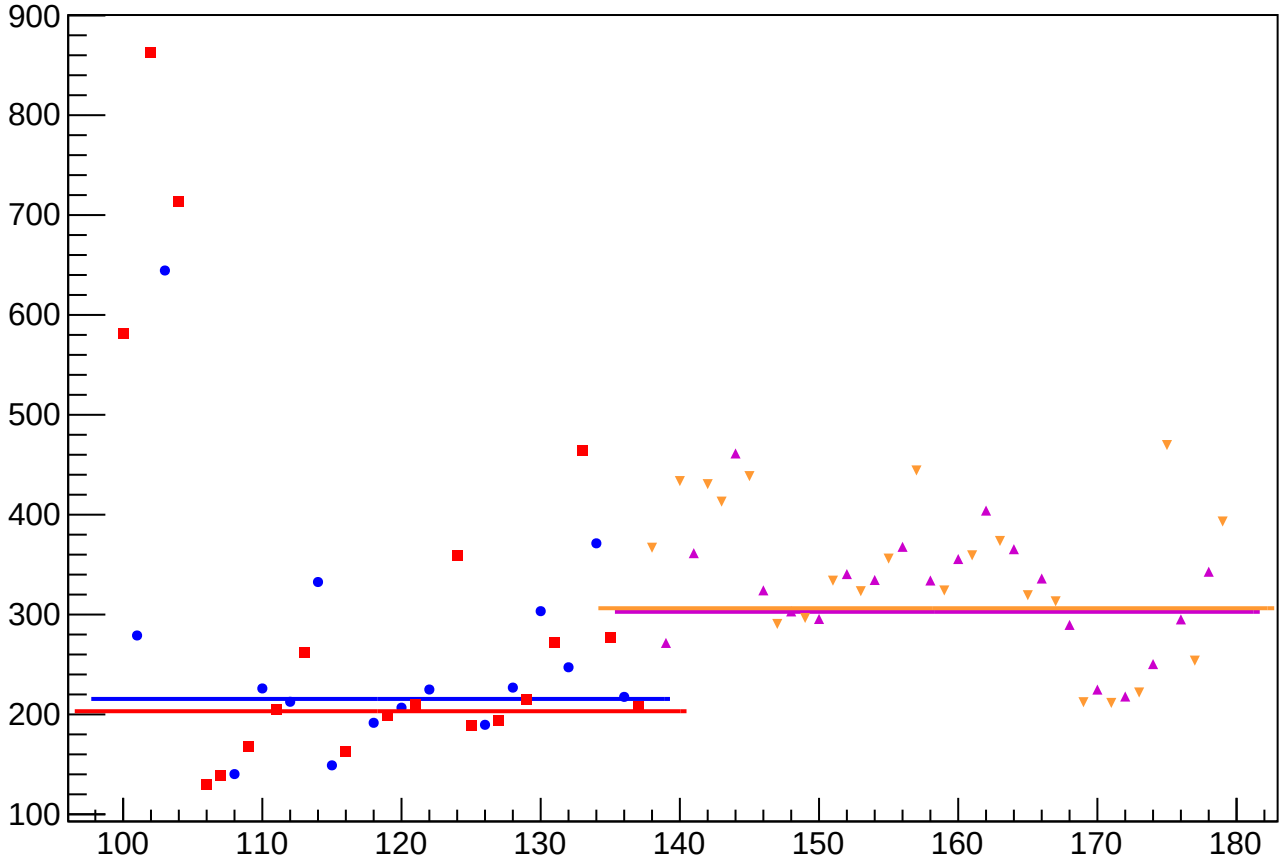
Left In: 0.100+/-0.078 χ^2/NDF:30.9/19

+ sign -0.009+/-0.057 χ^2/NDF: 32.1/37

All: -0.004+/-0.040 χ^2/NDF: 91.8/76

- sign -0.000+/-0.057 χ^2/NDF: 59.7/38

asym_usr_atr2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 215.519+/-0.060 χ^2/NDF: 1148727.3/15

Left Out: 306.333+/-0.054 χ^2/NDF:1960021.9/21

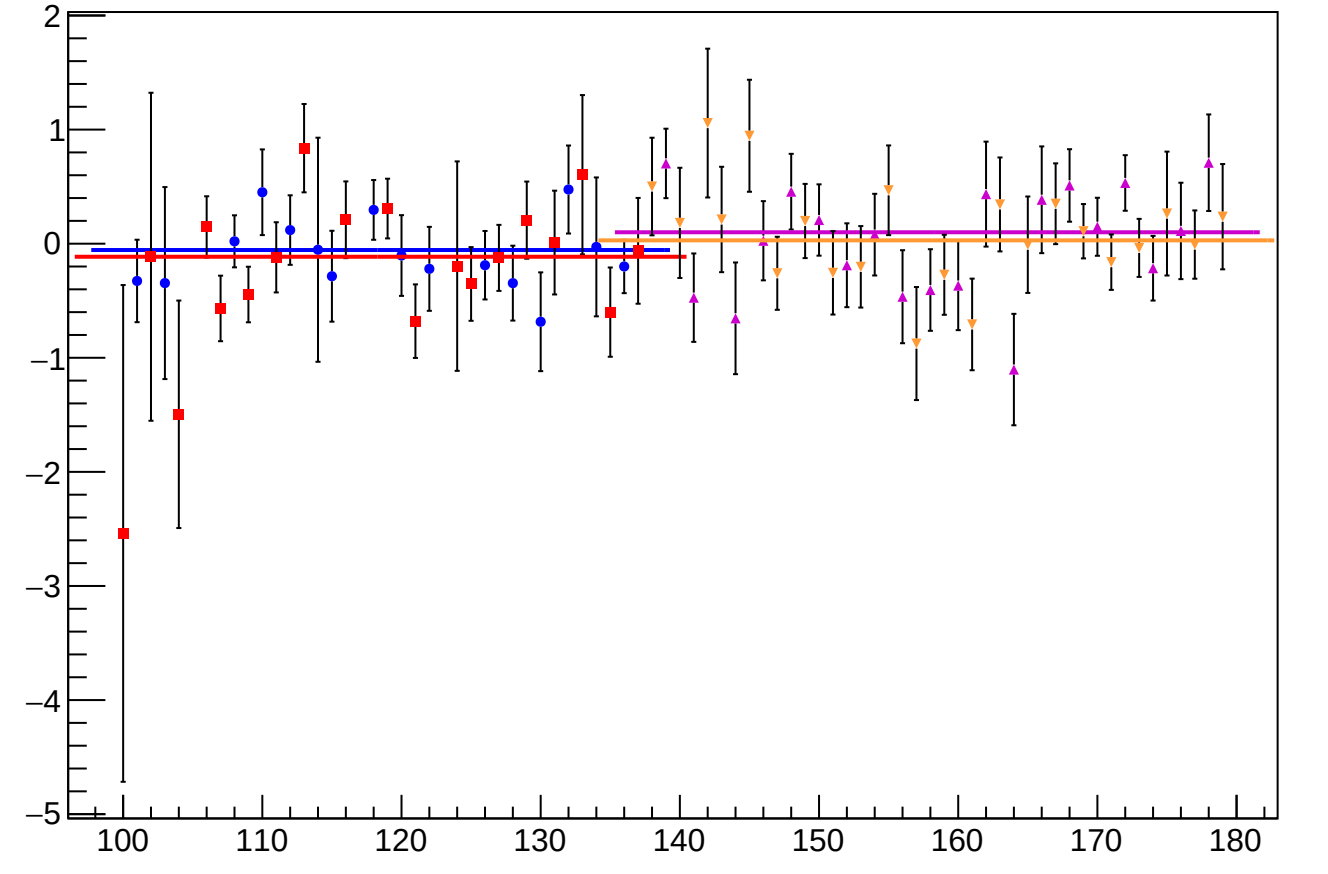
Right Out: 203.207+/-0.059 χ^2/NDF: 1835552.6/18

Left In: 302.746+/-0.055 χ^2/NDF:1086209.0/19

+ sign 265.711+/-0.040 χ^2/NDF: 4356682.6/37

All: 260.922+/-0.029 χ^2/NDF: 8829082.3/76

- sign 256.173+/-0.040 χ^2/NDF: 4444443.9/38



Right In: -0.055+/-0.085 χ^2/NDF: 10.7/15

Left Out: 0.029+/-0.077 χ^2/NDF:20.9/21

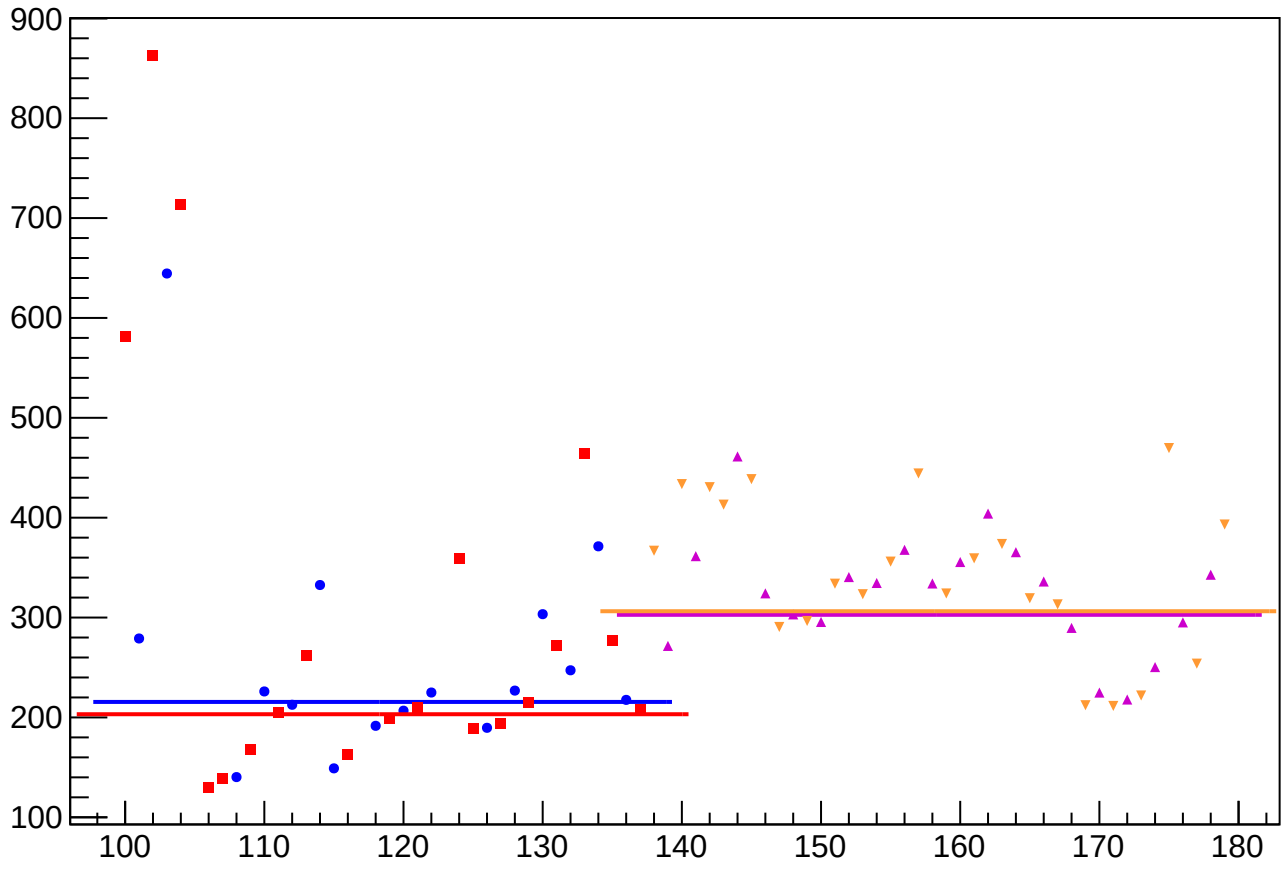
Right Out: -0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: 0.100+/-0.078 χ^2/NDF:30.9/19

+ sign -0.009+/-0.057 χ^2/NDF: 32.1/37

All: -0.004+/-0.040 χ^2/NDF: 91.8/76

- sign -0.000+/-0.057 χ^2/NDF: 59.7/38



Right In: 215.519+/-0.060 χ^2/NDF: 1148727.3/15

Left Out: 306.333+/-0.054 χ^2/NDF:1960021.9/21

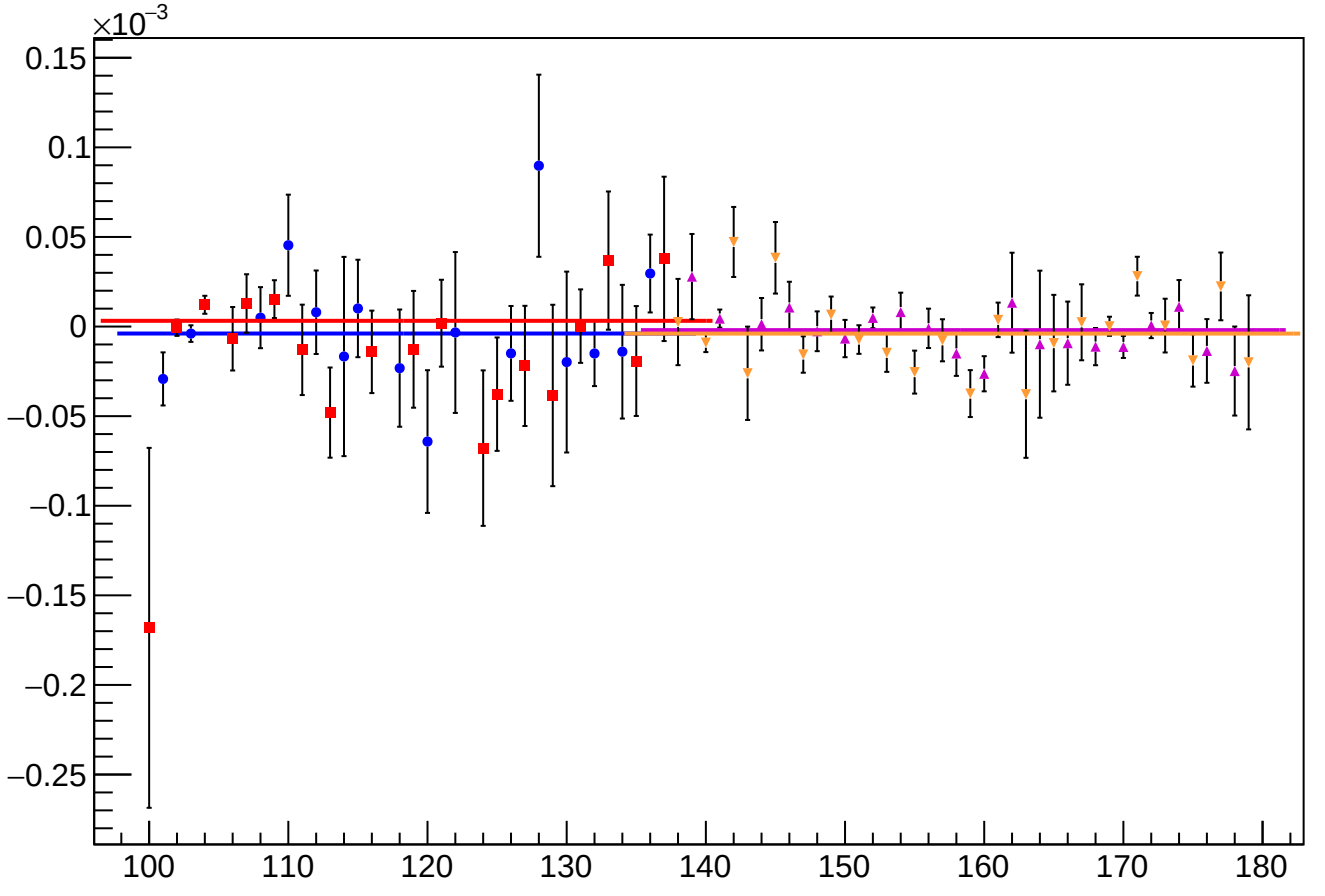
Right Out: 203.207+/-0.059 χ^2/NDF: 1835552.6/18

Left In: 302.746+/-0.055 χ^2/NDF:1086209.0/19

+ sign 265.711+/-0.040 χ^2/NDF: 4356682.6/37

All: 260.922+/-0.029 χ^2/NDF: 8829082.3/76

- sign 256.173+/-0.040 χ^2/NDF: 4444443.9/38



Right In: -0.000+/-0.000 χ^2/NDF: 16.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:40.8/21

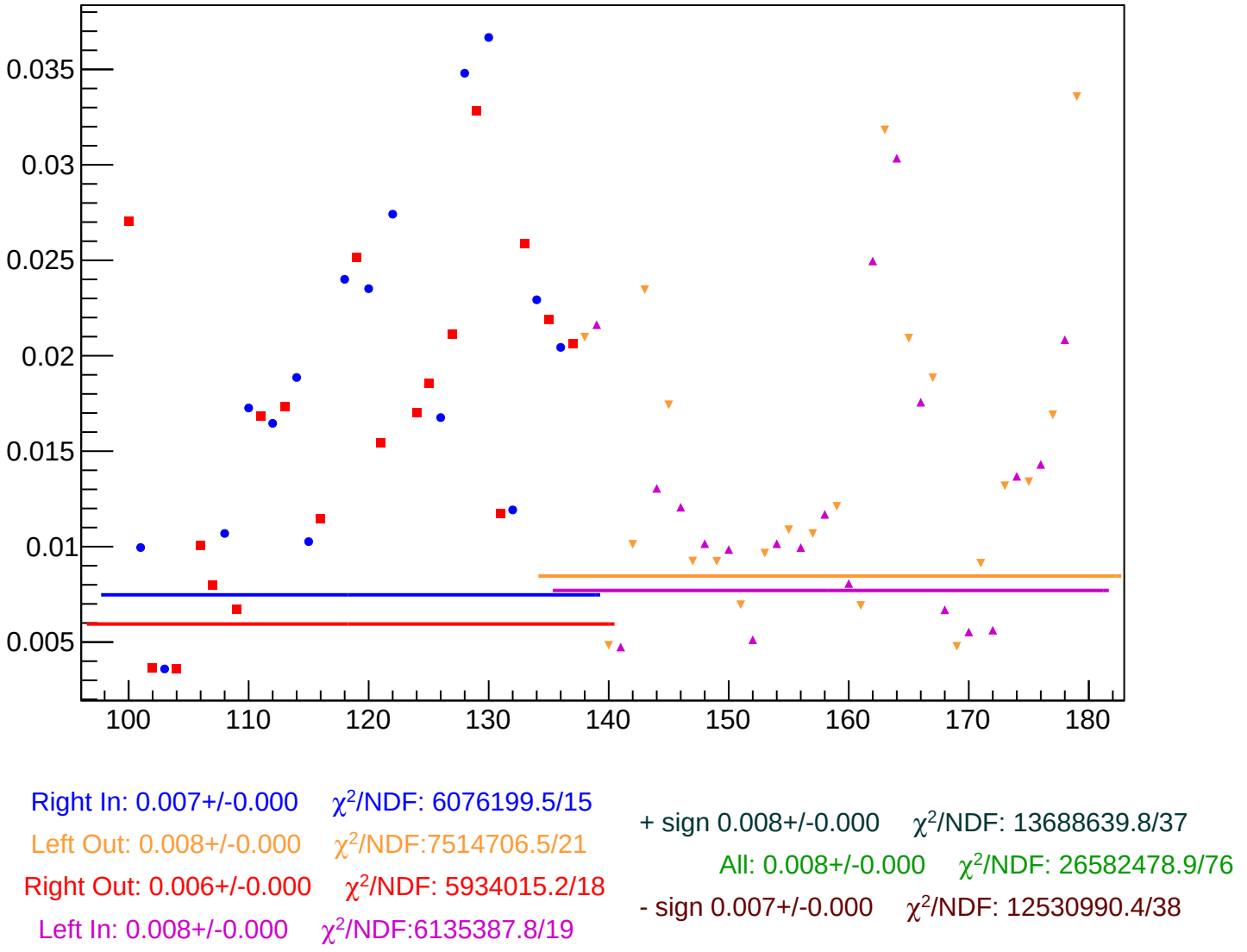
Right Out: 0.000+/-0.000 χ^2/NDF: 21.6/18

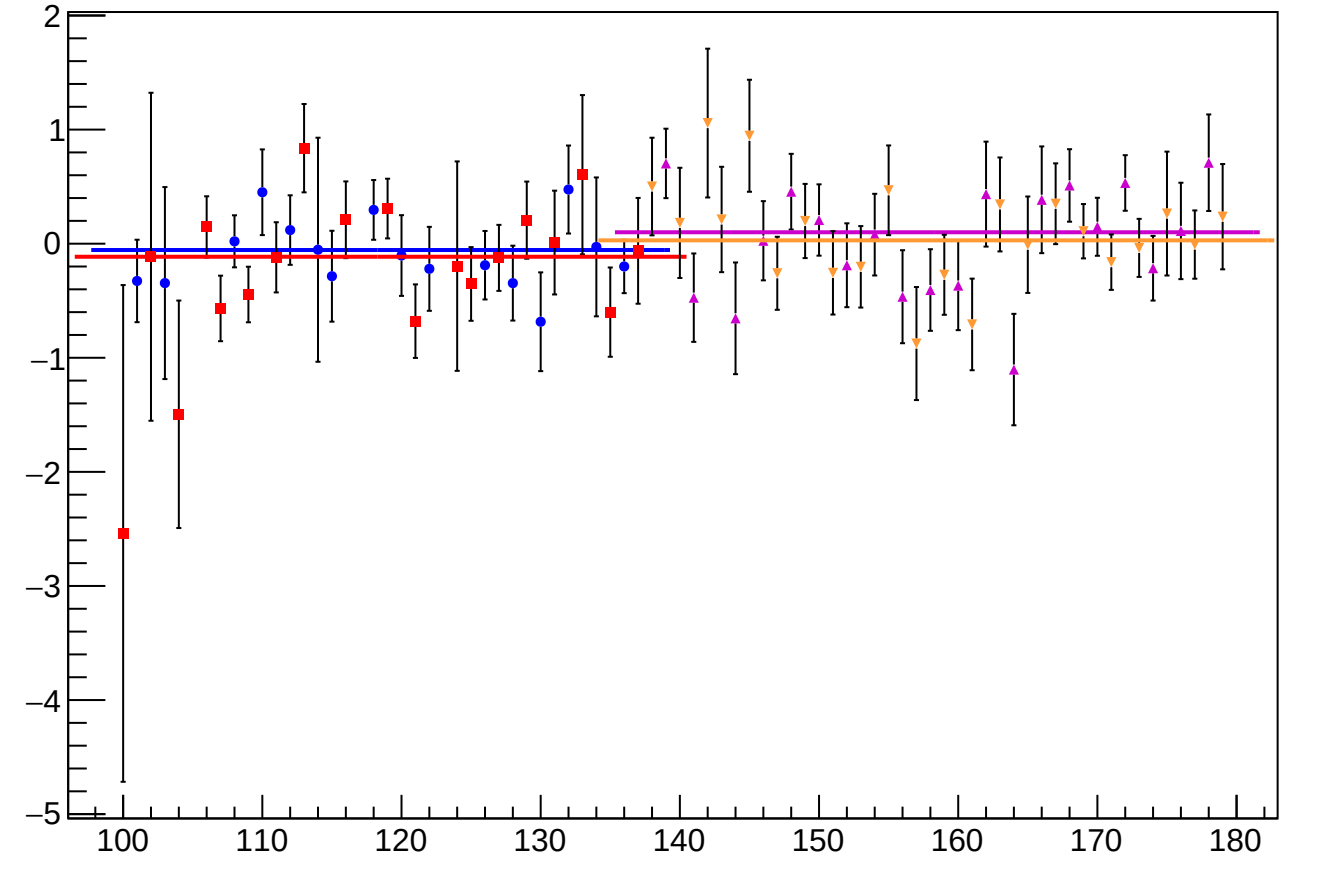
Left In: -0.000+/-0.000 χ^2/NDF:19.5/19

+ sign -0.000+/-0.000 χ^2/NDF: 56.7/37

All: -0.000+/-0.000 χ^2/NDF: 101.9/76

- sign -0.000+/-0.000 χ^2/NDF: 43.1/38


asym_usr_atr2_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.035
0.03
0.025
0.02
0.015
0.01
0.005
100
110
120
130
140
150
160
170
180
Right In: 0.007+/-0.000 χ²/NDF: 6076199.5/15
Left Out: 0.008+/-0.000 χ²/NDF:7514706.5/21
Right Out: 0.006+/-0.000 χ²/NDF: 5934015.2/18
Left In: 0.008+/-0.000 χ²/NDF:6135387.8/19
+ sign 0.008+/-0.000 χ²/NDF: 13688639.8/37
All: 0.008+/-0.000 χ²/NDF: 26582478.9/76
- sign 0.007+/-0.000 χ²/NDF: 12530990.4/38



Right In: -0.055+/-0.085 χ^2/NDF: 10.7/15

Left Out: 0.029+/-0.077 χ^2/NDF:20.9/21

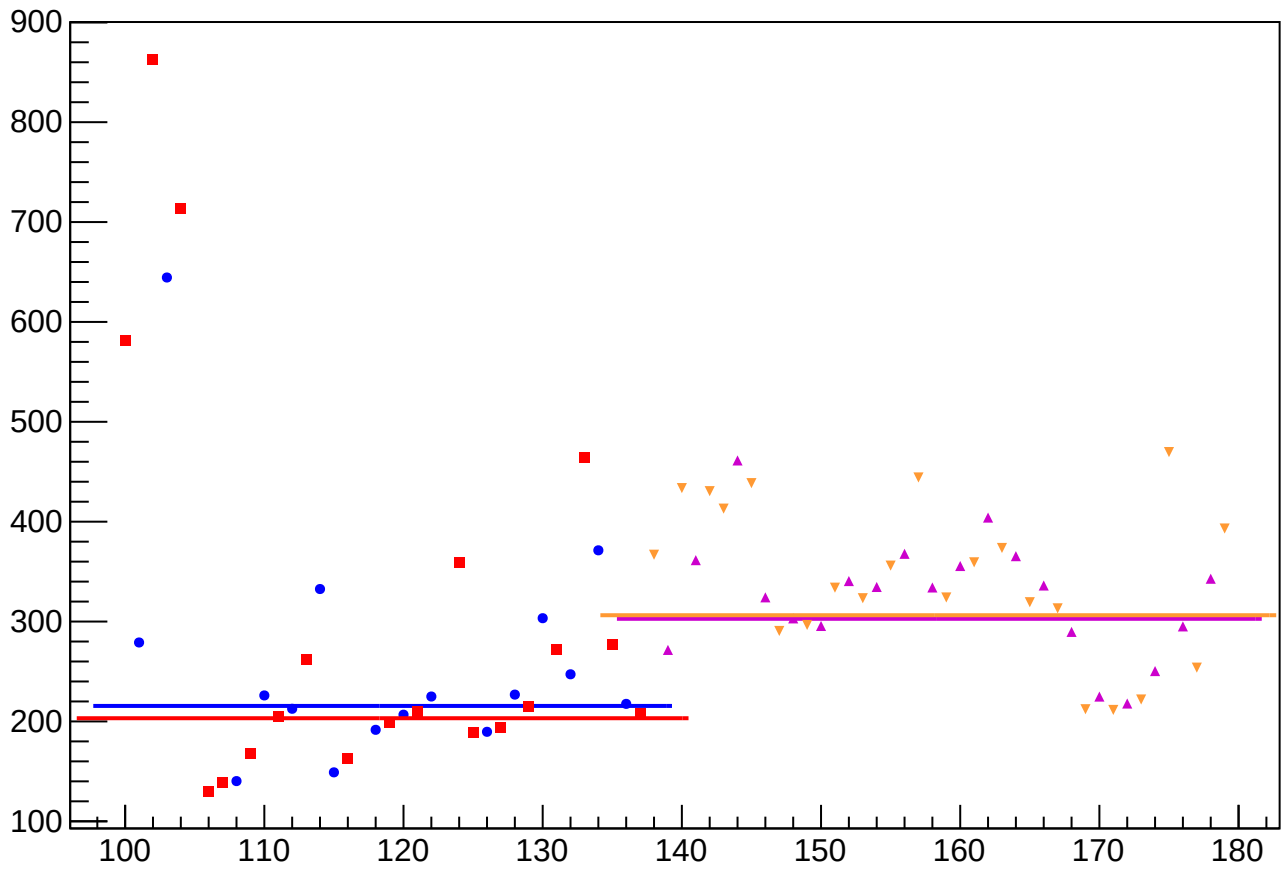
Right Out: -0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: 0.100+/-0.078 χ^2/NDF:30.9/19

+ sign -0.009+/-0.057 χ^2/NDF: 32.1/37

All: -0.004+/-0.040 χ^2/NDF: 91.8/76

- sign -0.000+/-0.057 χ^2/NDF: 59.7/38



Right In: 215.518+/-0.060 χ^2/NDF: 1148700.9/15

Left Out: 306.336+/-0.054 χ^2/NDF:1960098.5/21

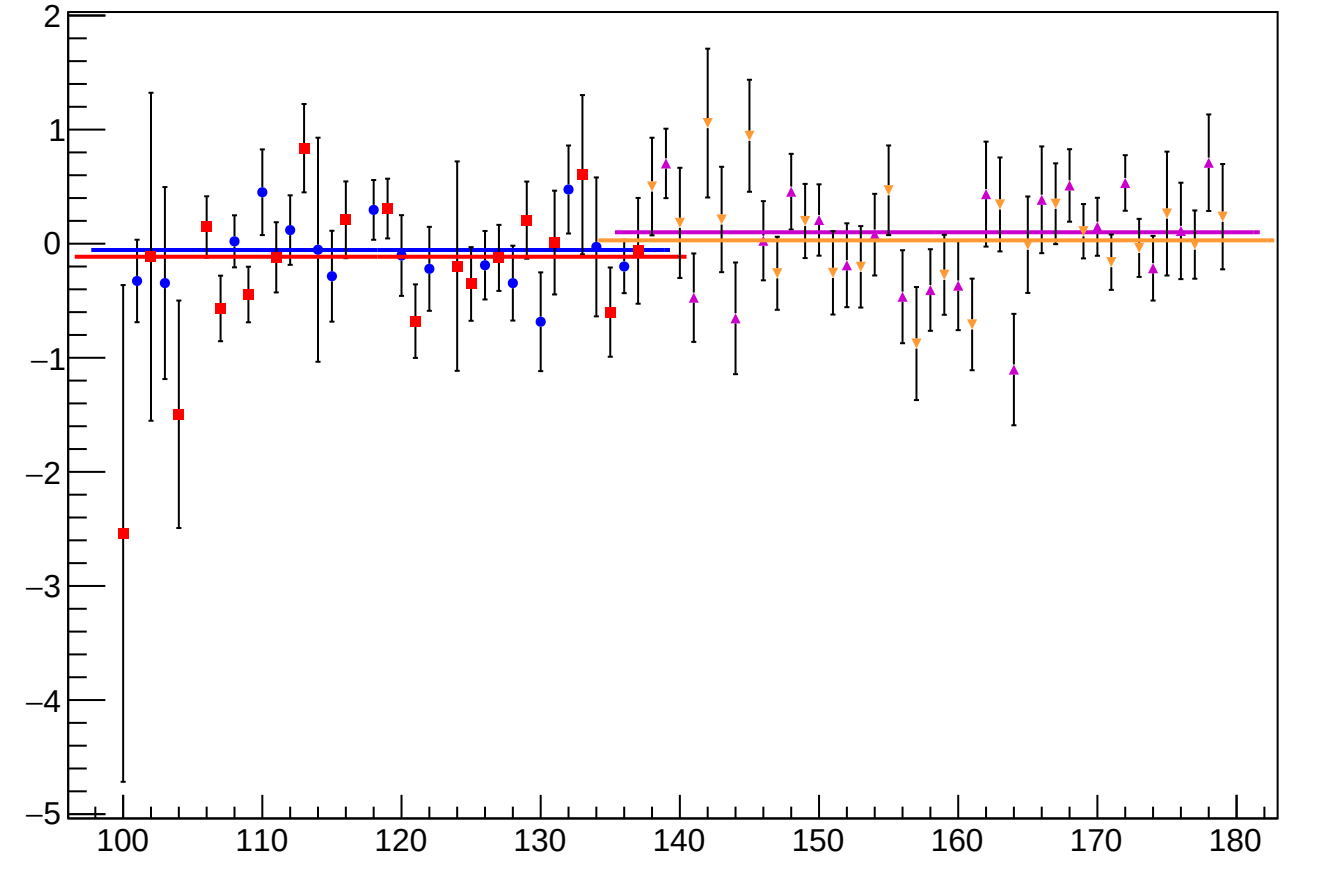
Right Out: 203.205+/-0.059 χ^2/NDF: 1835535.5/18

Left In: 302.750+/-0.055 χ^2/NDF:1086259.2/19

\+ sign 265.711+/-0.040 χ^2/NDF: 4356847.0/37

All: 260.922+/-0.029 χ^2/NDF: 8829425.7/76

\- sign 256.174+/-0.040 χ^2/NDF: 4444621.5/38



Right In: -0.055+/-0.085 χ^2/NDF: 10.7/15

Left Out: 0.029+/-0.077 χ^2/NDF:20.9/21

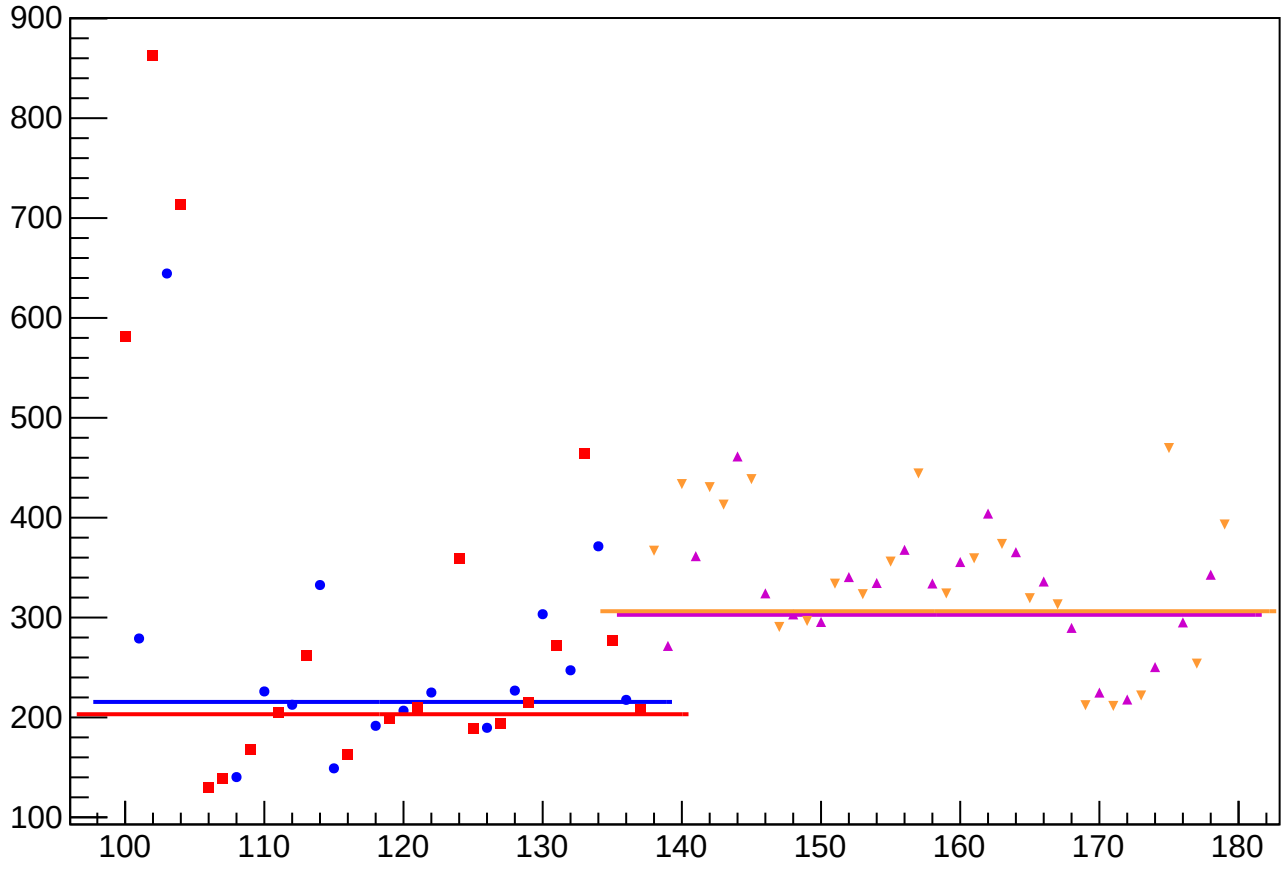
Right Out: -0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: 0.100+/-0.078 χ^2/NDF:30.9/19

+ sign -0.009+/-0.057 χ^2/NDF: 32.1/37

All: -0.004+/-0.040 χ^2/NDF: 91.8/76

- sign -0.000+/-0.057 χ^2/NDF: 59.7/38



Right In: 215.518+/-0.060 χ^2/NDF: 1148700.9/15

Left Out: 306.336+/-0.054 χ^2/NDF:1960098.5/21

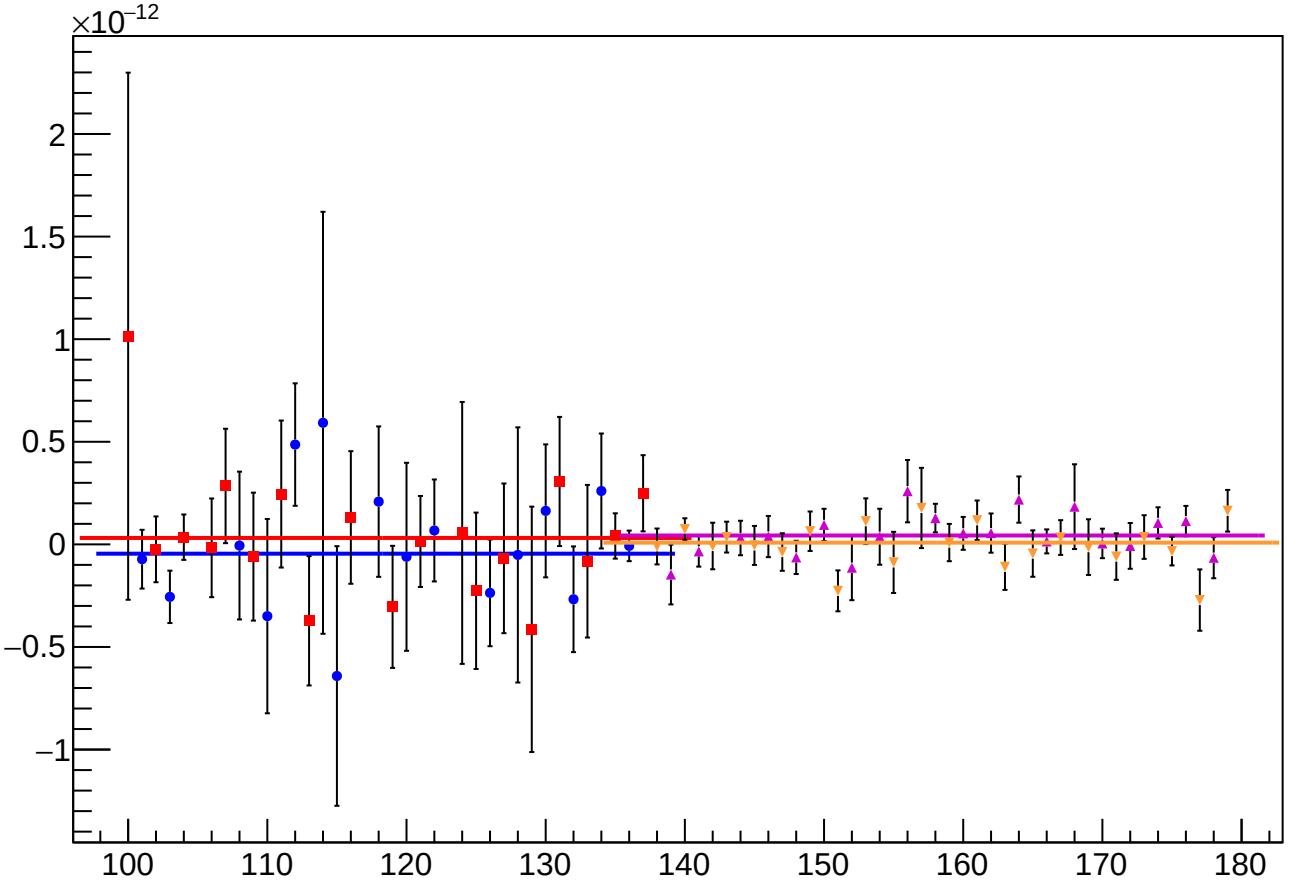
Right Out: 203.205+/-0.059 χ^2/NDF: 1835535.5/18

Left In: 302.750+/-0.055 χ^2/NDF:1086259.2/19

+ sign 265.711+/-0.040 χ^2/NDF: 4356847.0/37

All: 260.922+/-0.029 χ^2/NDF: 8829425.7/76

- sign 256.174+/-0.040 χ^2/NDF: 4444621.5/38



Right In: -0.000+/-0.000 χ^2/NDF: 11.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.3/21

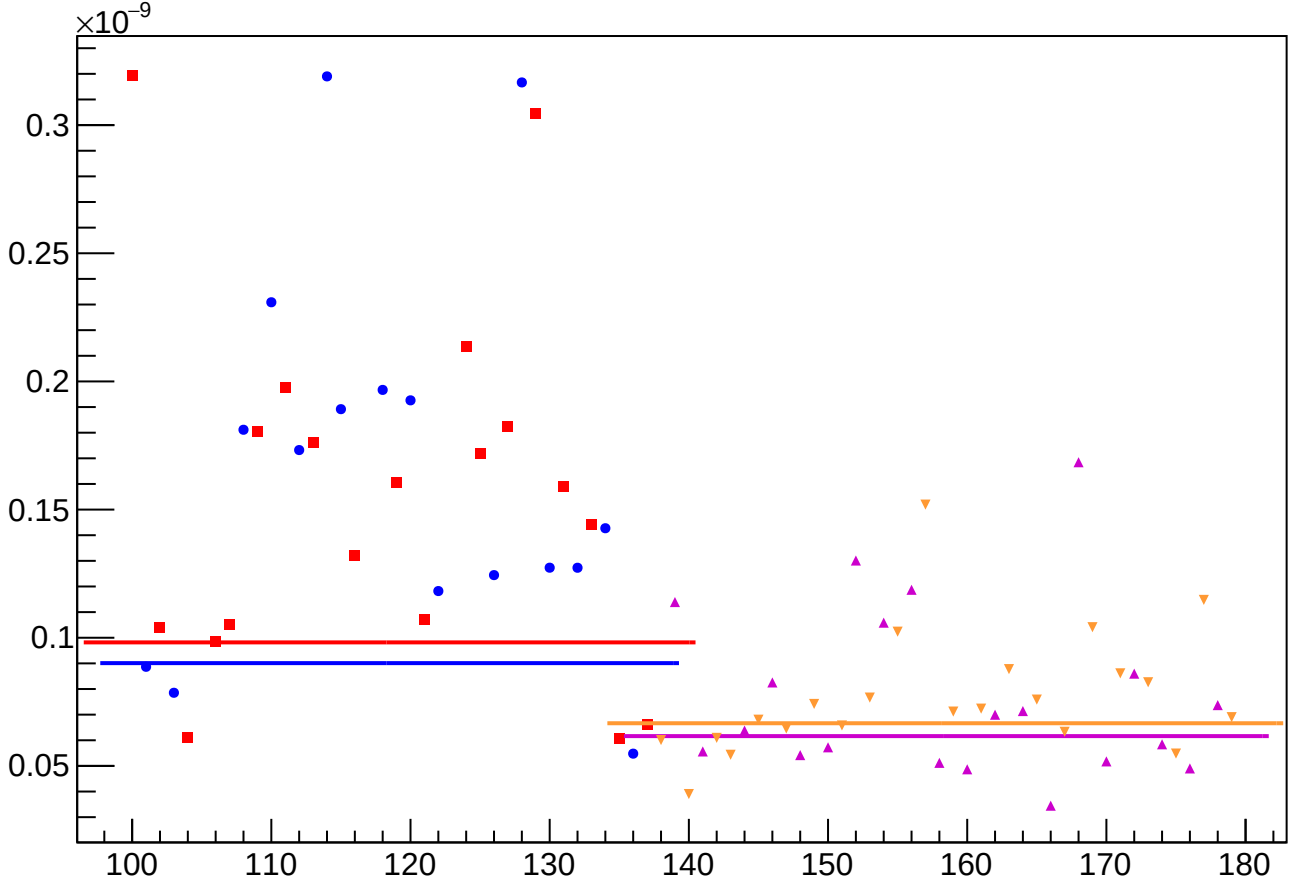
Right Out: 0.000+/-0.000 χ^2/NDF: 8.4/18

Left In: 0.000+/-0.000 χ^2/NDF:15.8/19

+ sign 0.000+/-0.000 χ^2/NDF: 31.7/37

All: 0.000+/-0.000 χ^2/NDF: 58.3/76

- sign 0.000+/-0.000 χ^2/NDF: 24.2/38



Right In: 0.000+/-0.000 χ^2/NDF: 1808066.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1758456.0/21

Right Out: 0.000+/-0.000 χ^2/NDF: 1694726.3/18

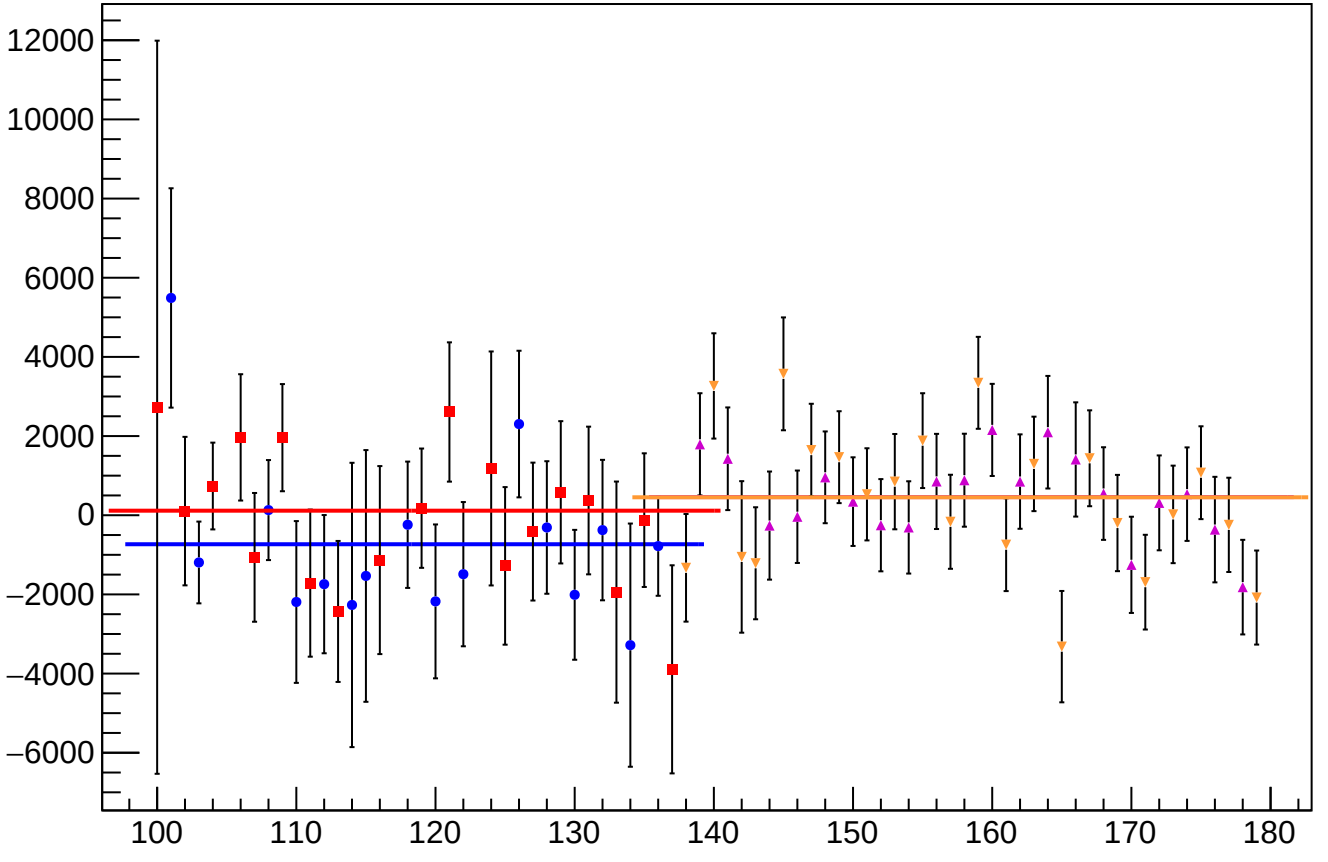
Left In: 0.000+/-0.000 χ^2/NDF:2566452.4/19

+ sign 0.000+/-0.000 χ^2/NDF: 3944602.3/37

All: 0.000+/-0.000 χ^2/NDF: 9104056.9/76

- sign 0.000+/-0.000 χ^2/NDF: 5121011.2/38

reg_asym_usr_atr2_dd_mean vs Slug



Right In: -732.747+/-427.384 χ^2/NDF: 11.7/15

Left Out: 453.380+/-265.284 χ^2/NDF:41.0/21

Right Out: 115.040+/-411.437 χ^2/NDF: 13.1/18

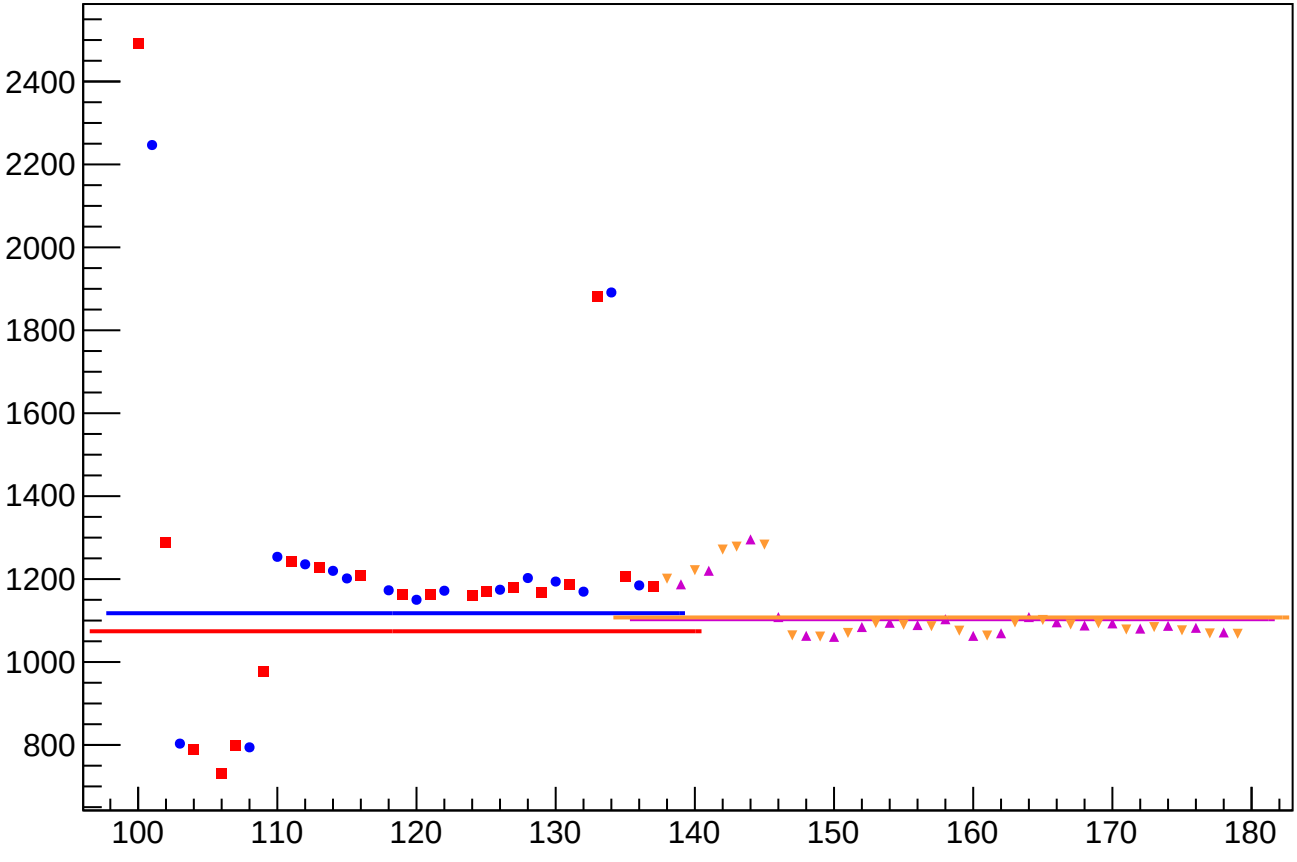
Left In: 458.404+/-273.219 χ^2/NDF:13.3/19

+ sign 123.484+/-225.393 χ^2/NDF: 58.2/37

All: 237.283+/-160.154 χ^2/NDF: 85.7/76

- sign 353.326+/-227.605 χ^2/NDF: 26.9/38

reg_asym_usr_atr2_dd_rms vs Slug



Right In: 1117.684+/-0.302 χ^2/NDF: 819835.1/15

Left Out: 1107.465+/-0.188 χ^2/NDF:120286.1/21

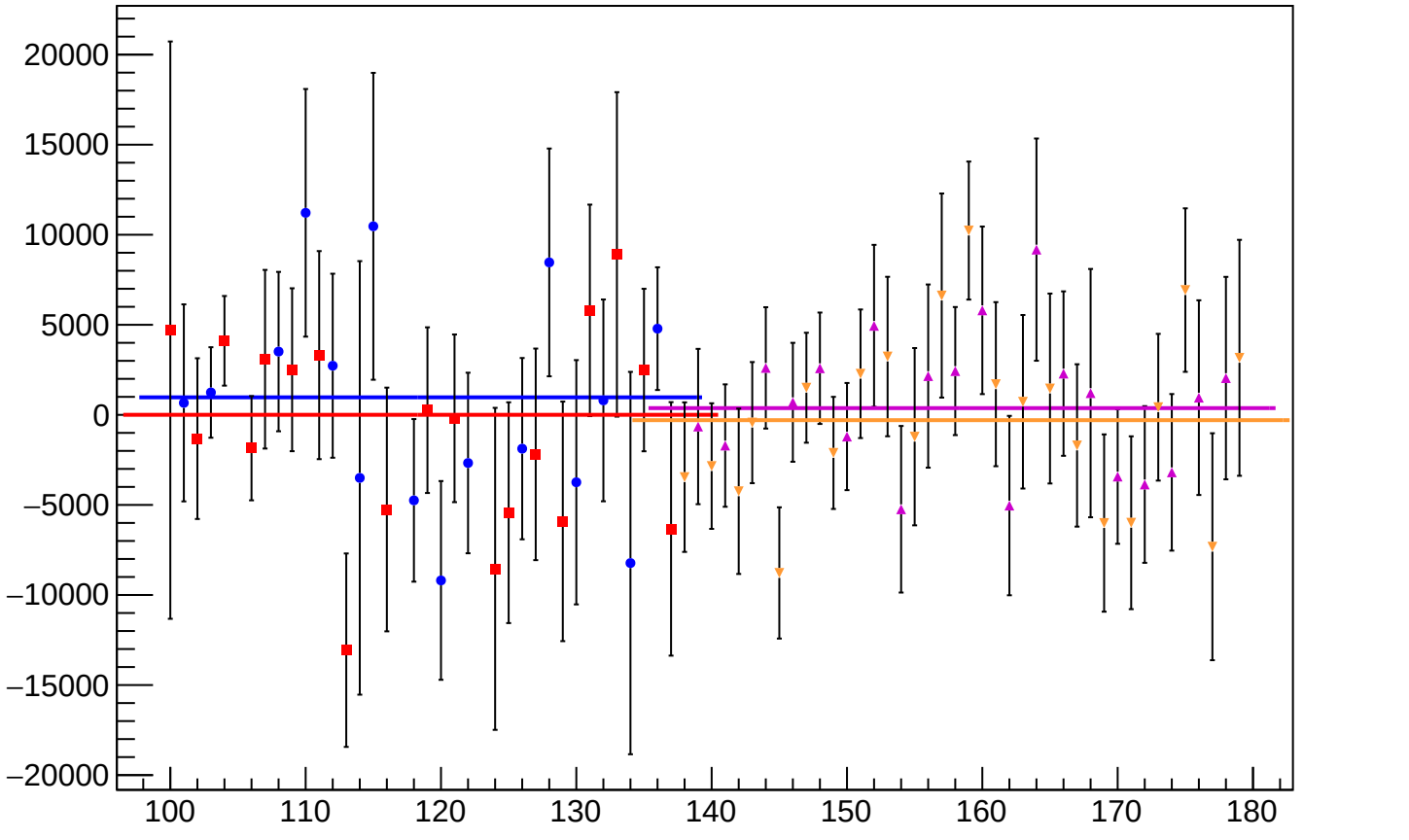
Right Out: 1074.148+/-0.289 χ^2/NDF: 649508.4/18

Left In: 1103.266+/-0.193 χ^2/NDF:78208.2/19

+ sign 1110.307+/-0.159 χ^2/NDF: 940946.6/37

All: 1102.337+/-0.113 χ^2/NDF: 1680732.7/76

- sign 1094.252+/-0.161 χ^2/NDF: 734748.8/38



Right In: 973.755+/-1232.754 χ^2/NDF: 13.8/15

Left Out: -294.341+/-894.139 χ^2/NDF:25.5/21

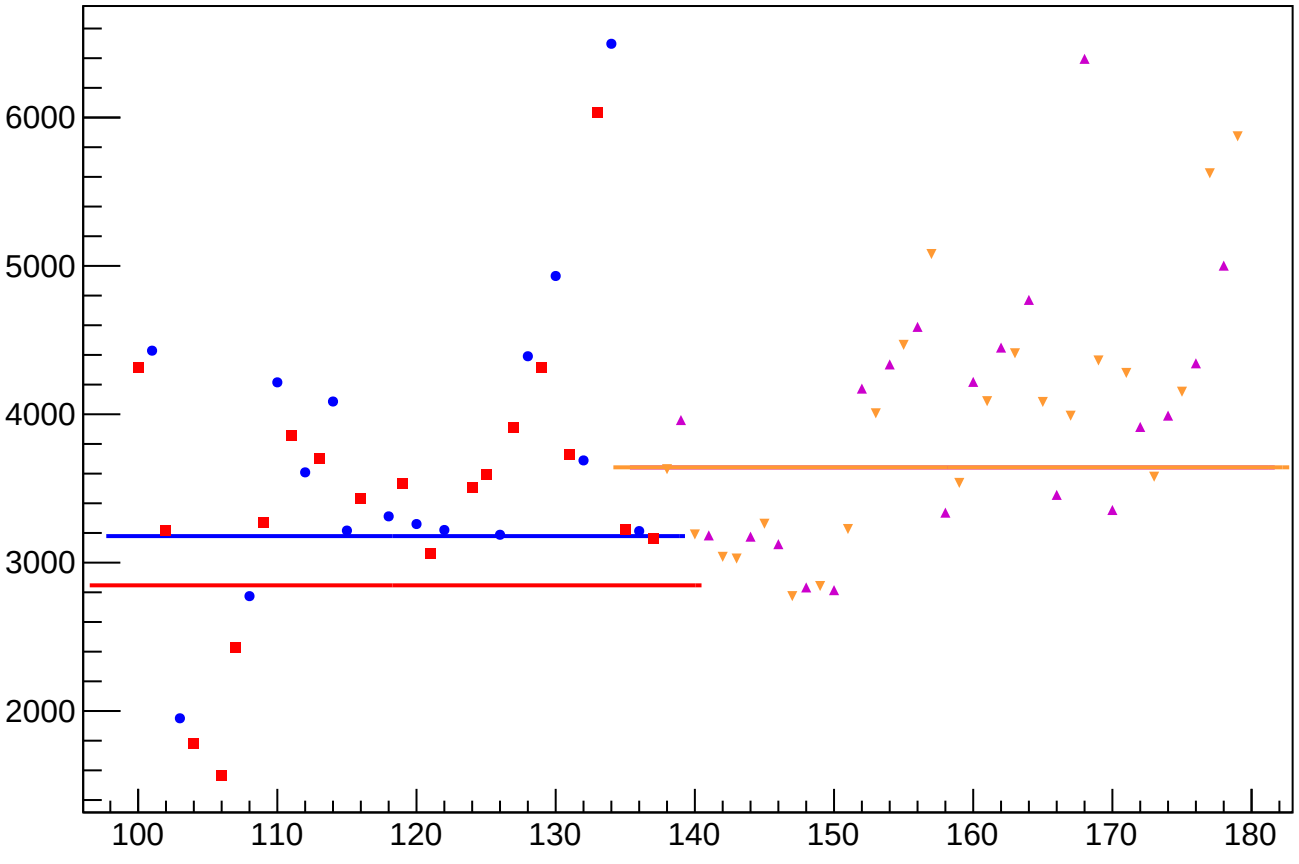
Right Out: 2.885+/-1113.897 χ^2/NDF: 16.6/18

Left In: 375.077+/-921.667 χ^2/NDF:12.2/19

+ sign 142.809+/-723.795 χ^2/NDF: 40.0/37

All: 184.087+/-506.890 χ^2/NDF: 68.8/76

- sign 223.819+/-710.103 χ^2/NDF: 28.8/38



Right In: 3178.870+/-0.872 χ^2/NDF: 1091676.8/15

Left Out: 3642.392+/-0.632 χ^2/NDF:1307708.2/21

Right Out: 2847.016+/-0.788 χ^2/NDF: 1511160.9/18

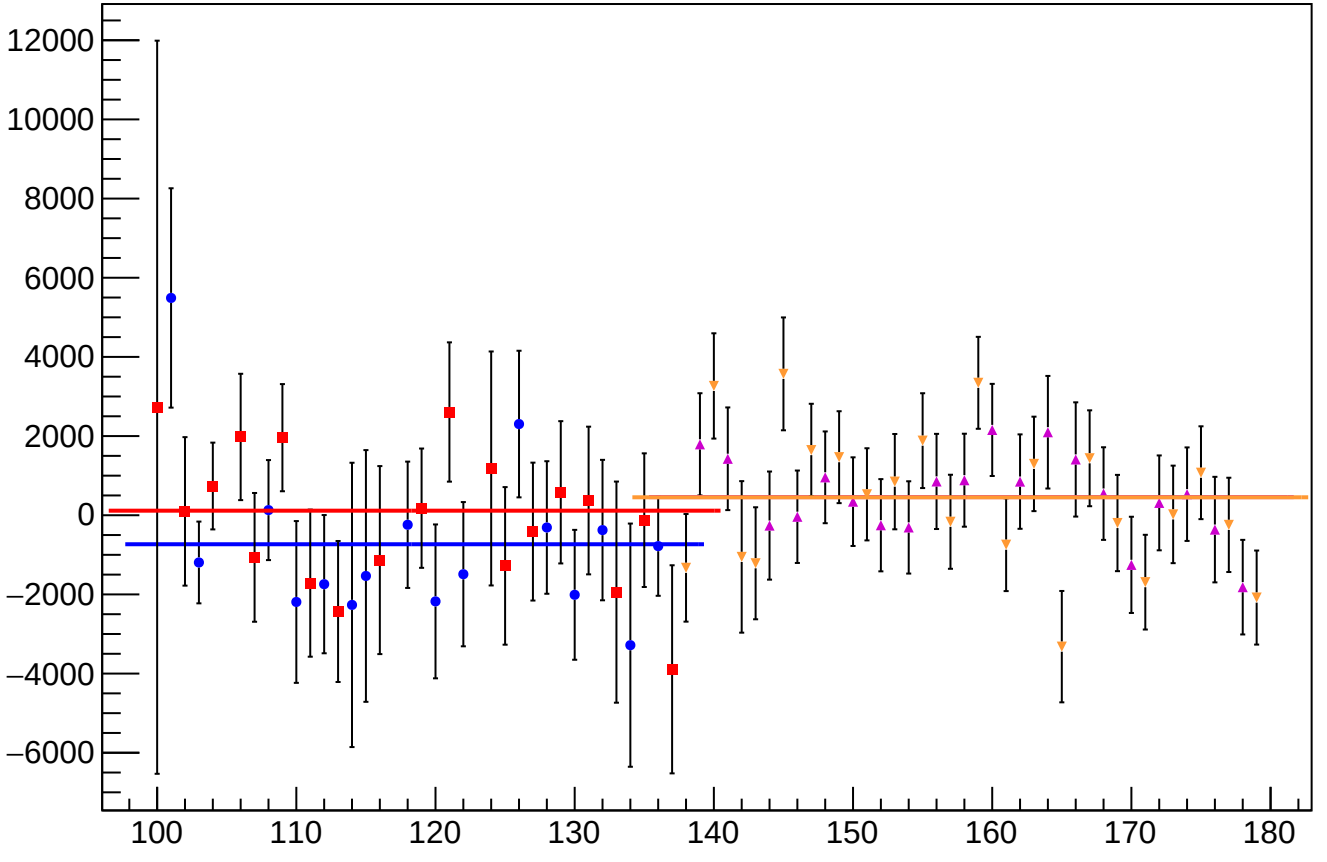
Left In: 3641.421+/-0.652 χ^2/NDF:1239626.9/19

+ sign 3482.602+/-0.512 χ^2/NDF: 2584669.2/37

All: 3399.023+/-0.358 χ^2/NDF: 5991630.1/76

- sign 3318.576+/-0.502 χ^2/NDF: 3354623.5/38

cor_asym_usr_atr2_dd_mean vs Slug



Right In: -732.682+/-427.385 χ^2/NDF: 11.7/15

Left Out: 453.429+/-265.284 χ^2/NDF:41.0/21

Right Out: 115.308+/-411.441 χ^2/NDF: 13.1/18

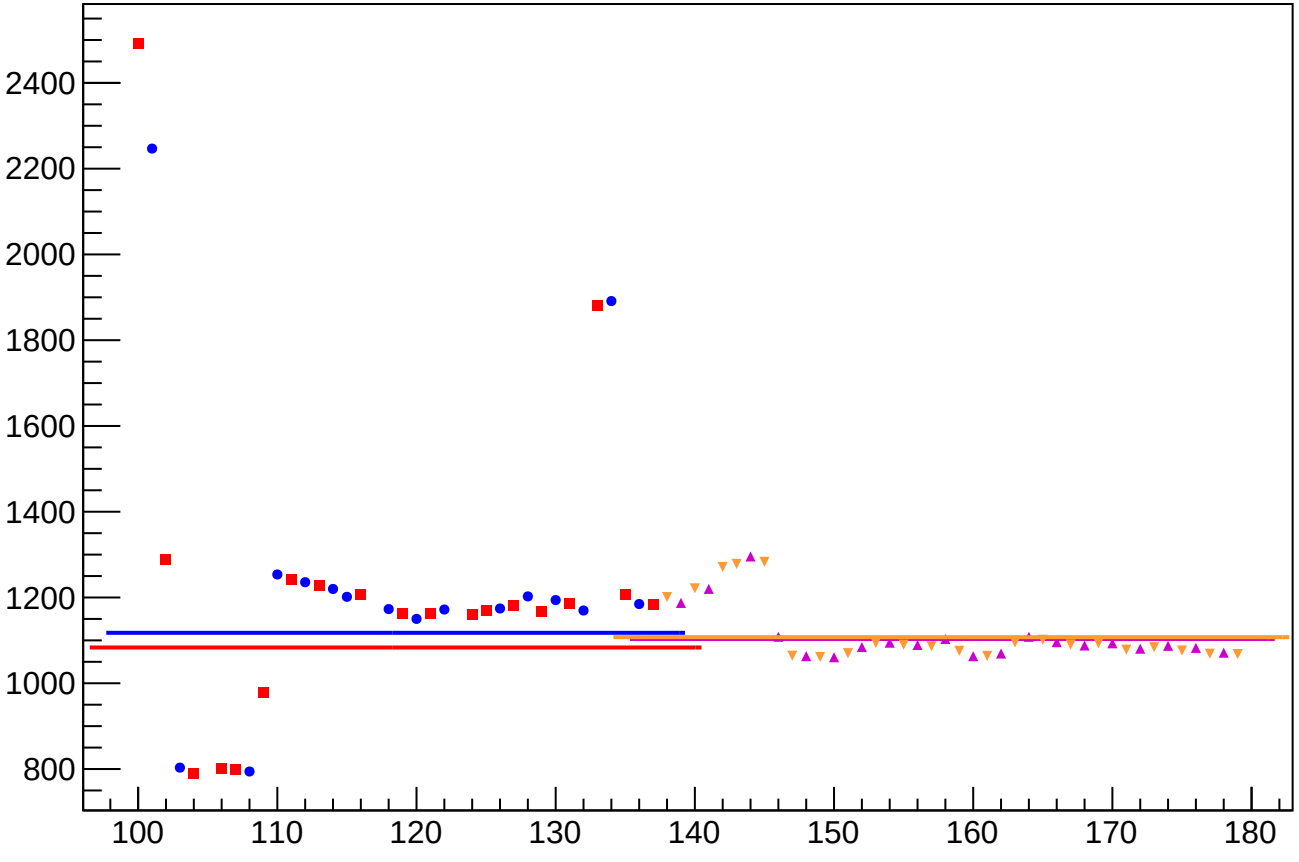
Left In: 458.334+/-273.219 χ^2/NDF:13.3/19

+ sign 123.538+/-225.393 χ^2/NDF: 58.2/37

All: 237.327+/-160.154 χ^2/NDF: 85.7/76

- sign 353.360+/-227.606 χ^2/NDF: 27.0/38

cor_asym_usr_atr2_dd_rms vs Slug



Right In: 1117.684+/-0.302 χ^2/NDF: 819831.7/15

Left Out: 1107.465+/-0.188 χ^2/NDF:120286.1/21

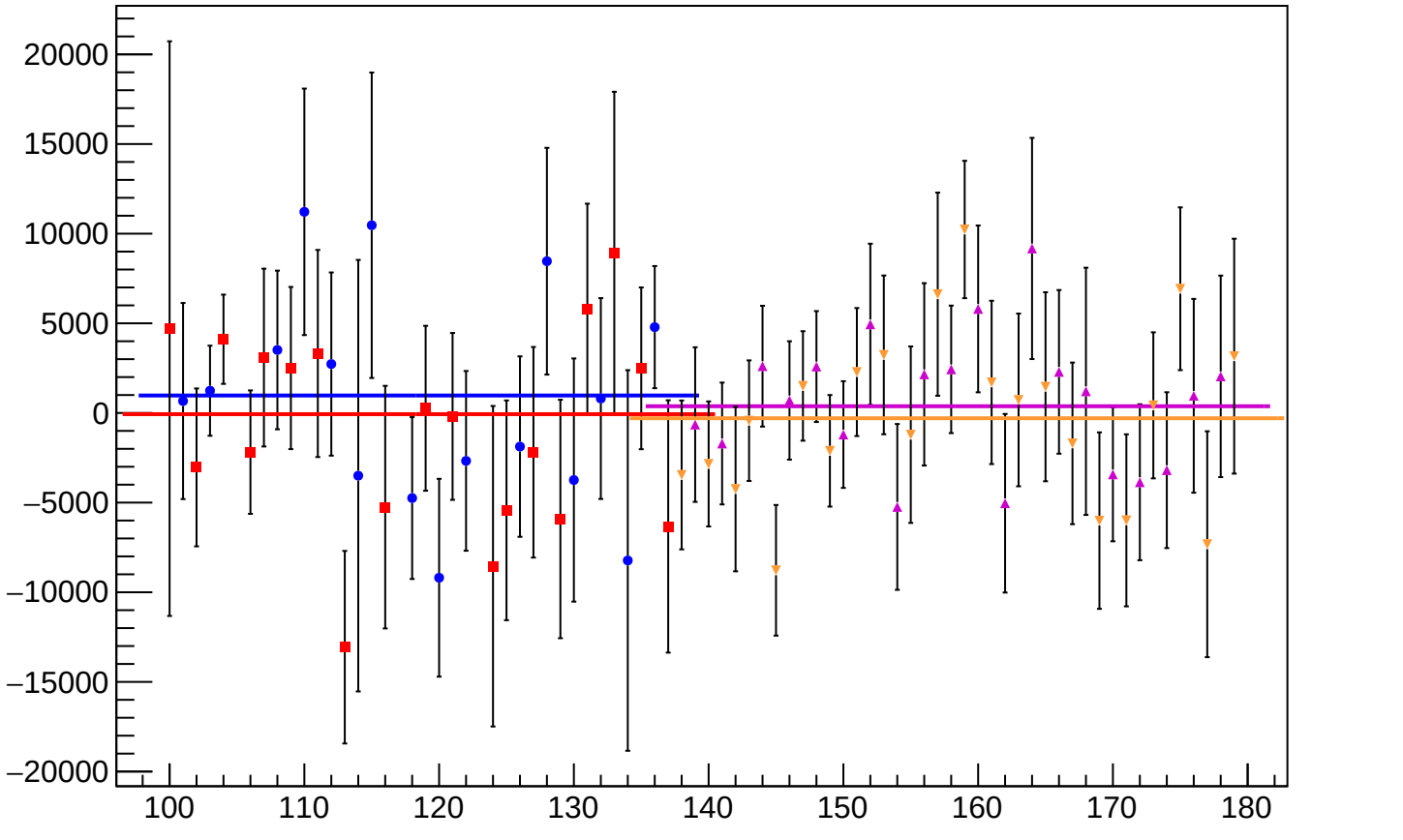
Right Out: 1083.421+/-0.290 χ^2/NDF: 595016.7/18

Left In: 1103.266+/-0.193 χ^2/NDF:78208.2/19

+ sign 1110.307+/-0.159 χ^2/NDF: 940943.2/37

All: 1103.802+/-0.113 χ^2/NDF: 1620768.2/76

- sign 1097.177+/-0.161 χ^2/NDF: 676462.4/38



Right In: 973.256+/-1232.803 χ^2/NDF: 13.8/15

Left Out: -294.349+/-894.138 χ^2/NDF:25.5/21

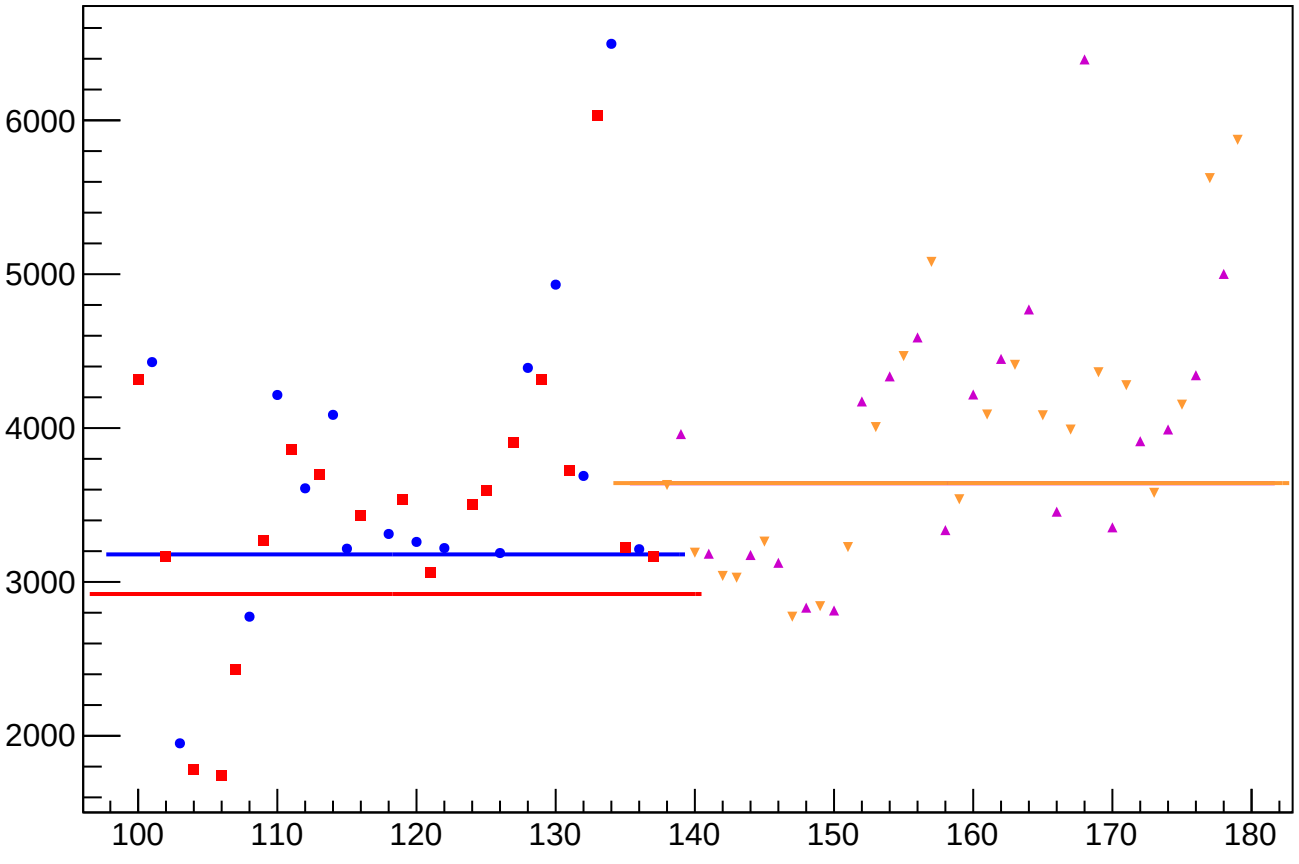
Right Out: -67.113+/-1137.892 χ^2/NDF: 16.9/18

Left In: 375.066+/-921.667 χ^2/NDF:12.2/19

+ sign 142.608+/-723.804 χ^2/NDF: 40.0/37

All: 171.553+/-509.098 χ^2/NDF: 69.2/76

- sign 199.893+/-716.202 χ^2/NDF: 29.2/38



Right In: 3179.054+/-0.872 χ^2/NDF: 1091236.5/15

Left Out: 3642.388+/-0.632 χ^2/NDF:1307715.3/21

Right Out: 2921.641+/-0.805 χ^2/NDF: 1312890.1/18

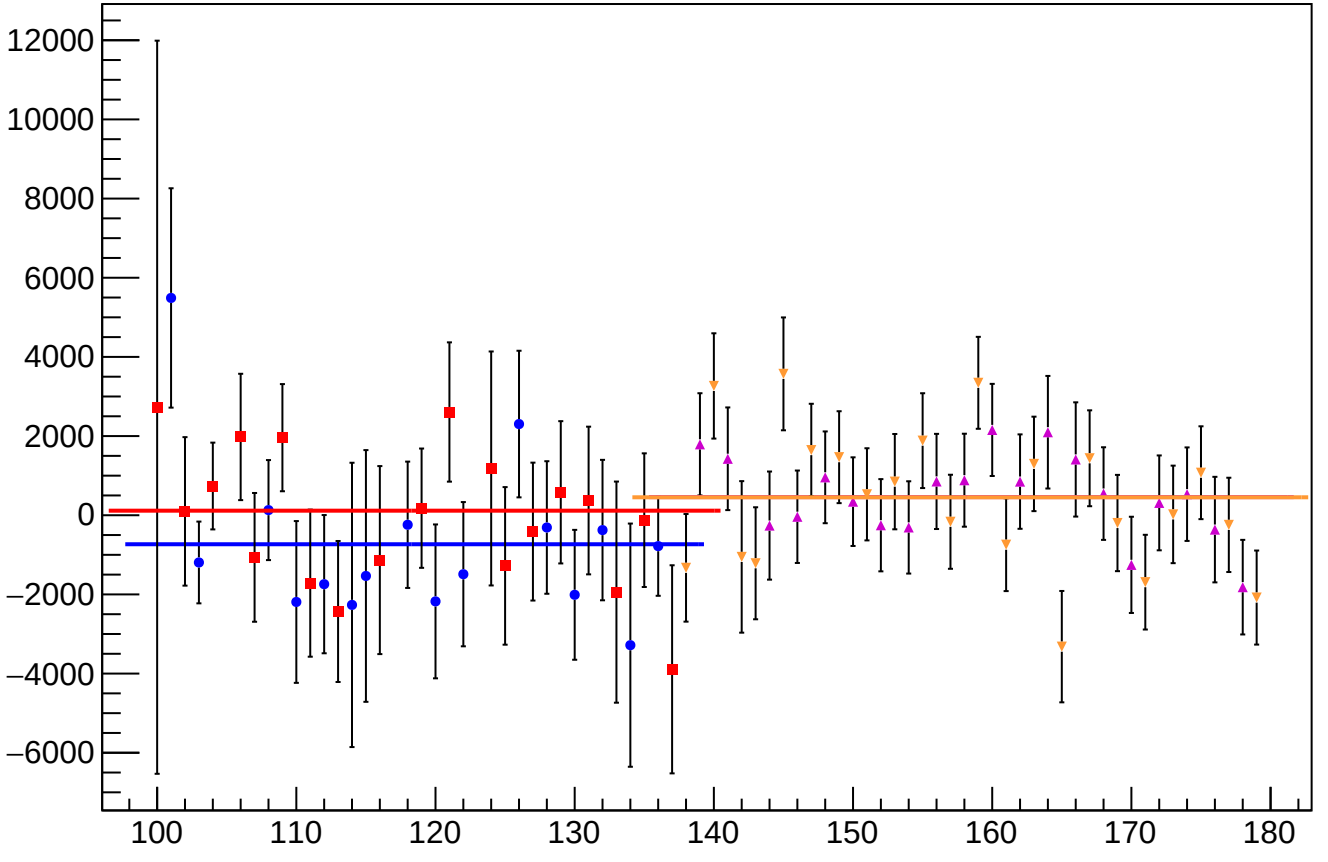
Left In: 3641.419+/-0.652 χ^2/NDF:1239631.7/19

+ sign 3482.672+/-0.512 χ^2/NDF: 2584076.0/37

All: 3418.805+/-0.360 χ^2/NDF: 5650639.7/76

- sign 3356.273+/-0.506 χ^2/NDF: 3035745.6/38

eigen_cor_asym_usr_atr2_dd_mean vs Slug



Right In: -732.682+/-427.385 χ^2/NDF: 11.7/15

Left Out: 453.429+/-265.284 χ^2/NDF:41.0/21

Right Out: 115.308+/-411.441 χ^2/NDF: 13.1/18

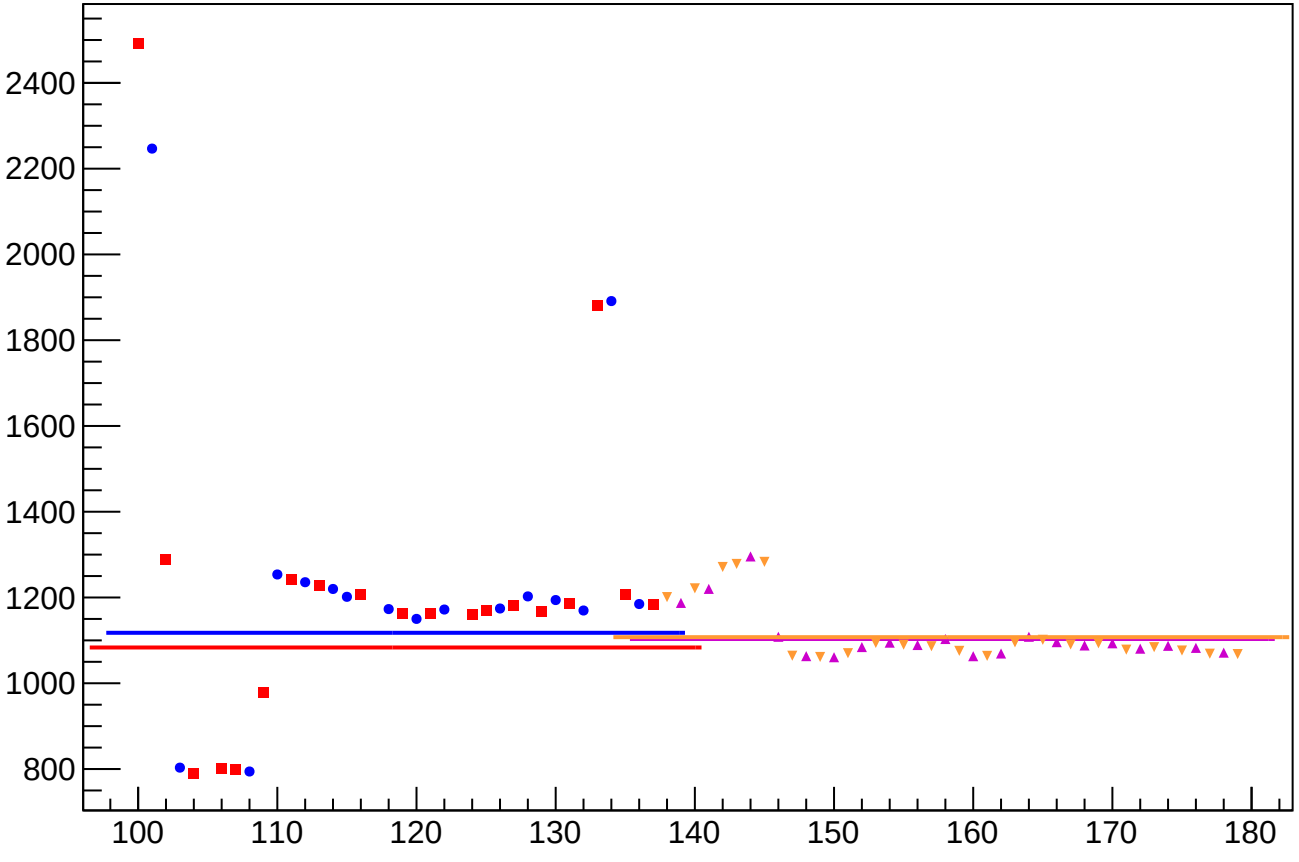
Left In: 458.334+/-273.219 χ^2/NDF:13.3/19

+ sign 123.538+/-225.393 χ^2/NDF: 58.2/37

All: 237.327+/-160.154 χ^2/NDF: 85.7/76

- sign 353.360+/-227.606 χ^2/NDF: 27.0/38

eigen_cor_asym_usr_atr2_dd_rms vs Slug



Right In: 1117.684+/-0.302 χ^2/NDF: 819831.7/15

Left Out: 1107.465+/-0.188 χ^2/NDF:120286.1/21

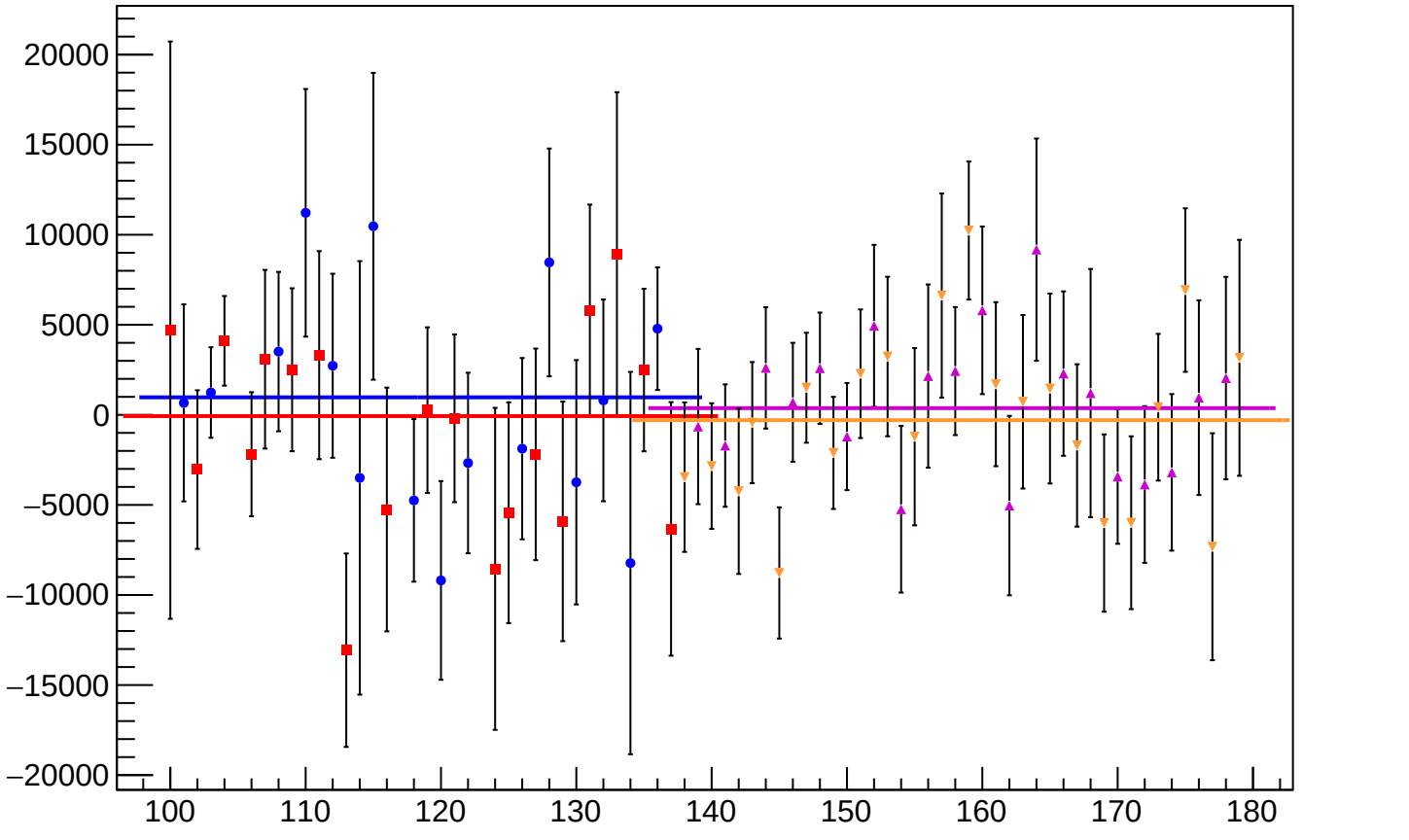
Right Out: 1083.421+/-0.290 χ^2/NDF: 595016.7/18

Left In: 1103.266+/-0.193 χ^2/NDF:78208.2/19

+ sign 1110.307+/-0.159 χ^2/NDF: 940943.2/37

All: 1103.802+/-0.113 χ^2/NDF: 1620768.2/76

- sign 1097.177+/-0.161 χ^2/NDF: 676462.4/38



Right In: 973.256+/-1232.803 χ^2/NDF: 13.8/15

Left Out: -294.349+/-894.138 χ^2/NDF:25.5/21

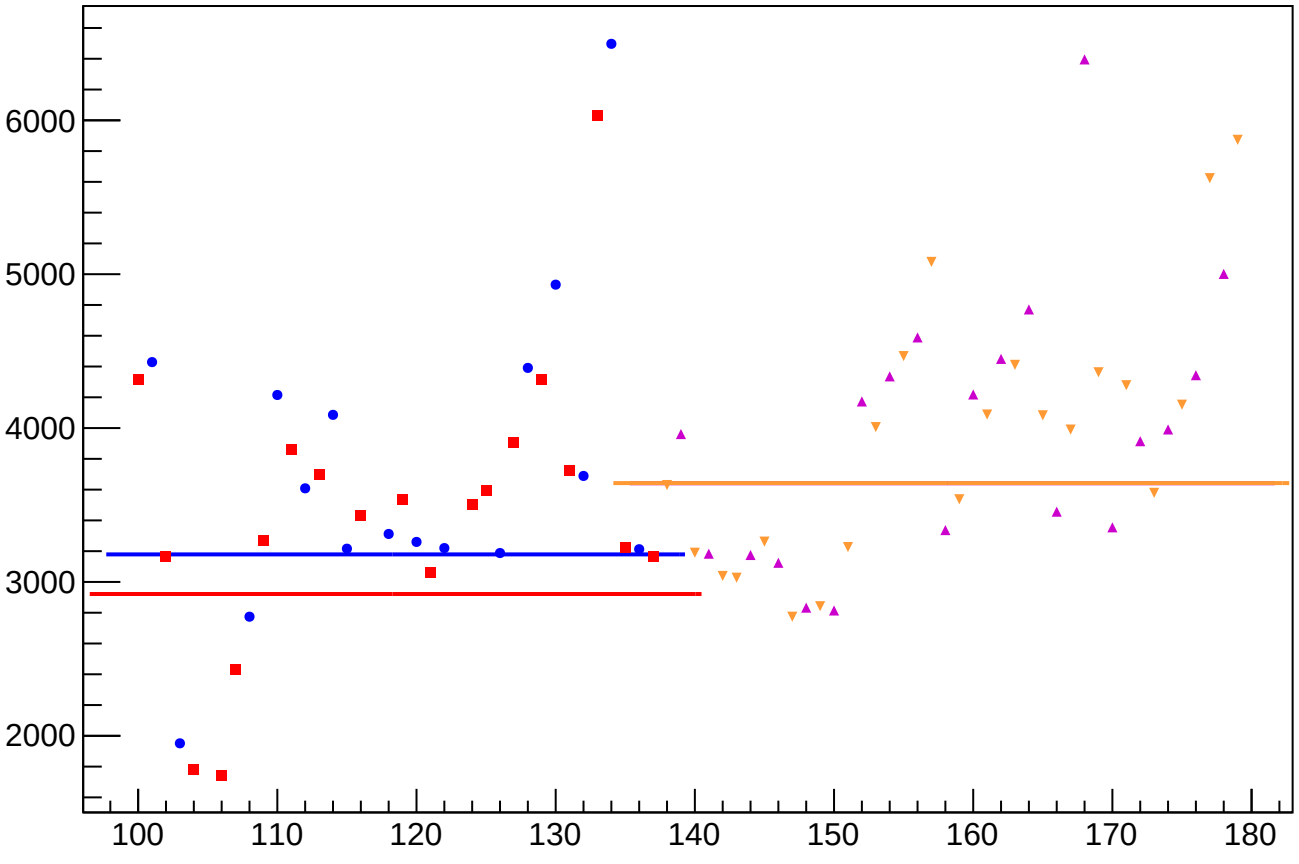
Right Out: -67.113+/-1137.892 χ^2/NDF: 16.9/18

Left In: 375.066+/-921.667 χ^2/NDF:12.2/19

\+ sign 142.608+/-723.804 χ^2/NDF: 40.0/37

All: 171.553+/-509.098 χ^2/NDF: 69.2/76

\- sign 199.893+/-716.202 χ^2/NDF: 29.2/38



Right In: 3179.054+/-0.872 χ^2/NDF: 1091236.5/15

Left Out: 3642.388+/-0.632 χ^2/NDF:1307715.3/21

Right Out: 2921.641+/-0.805 χ^2/NDF: 1312890.1/18

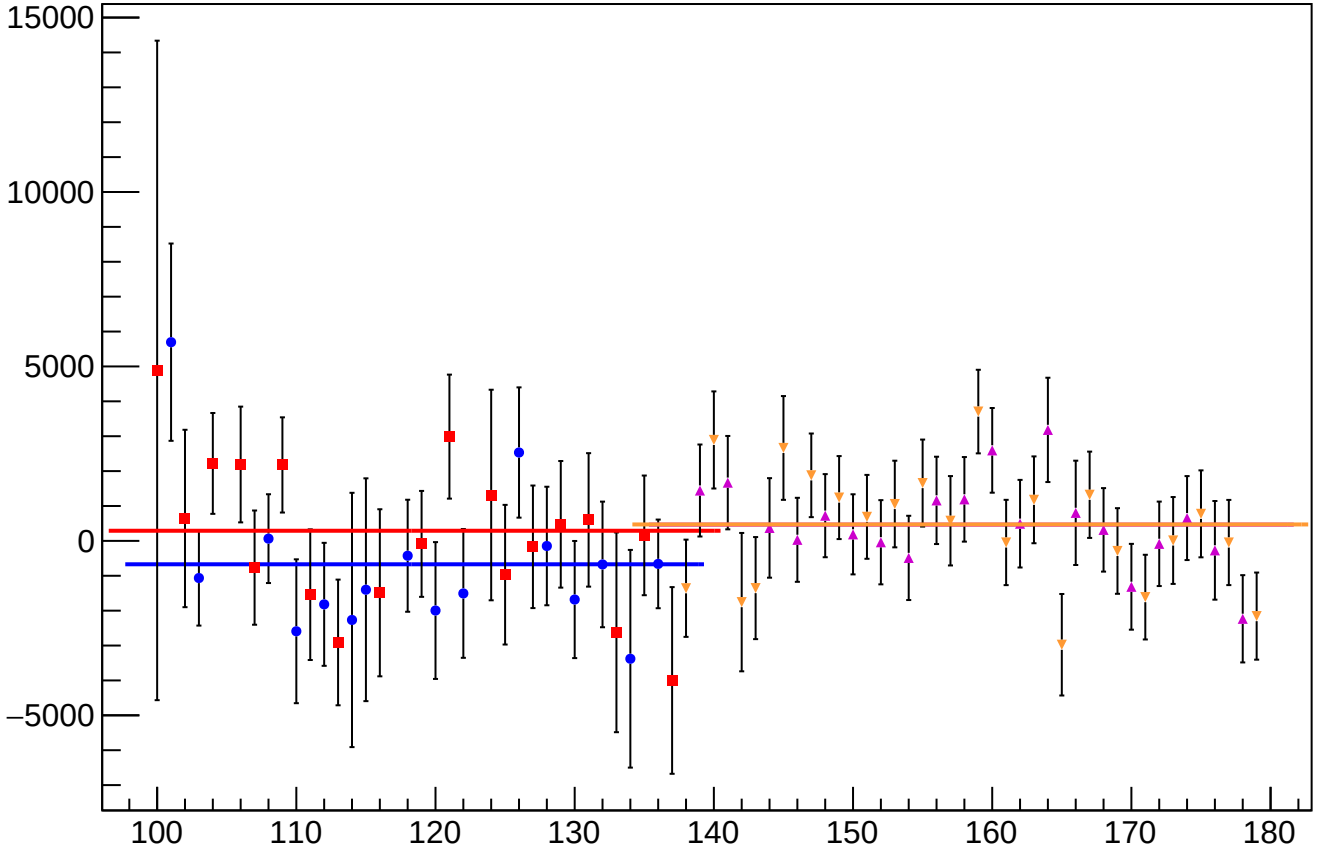
Left In: 3641.419+/-0.652 χ^2/NDF:1239631.7/19

+ sign 3482.672+/-0.512 χ^2/NDF: 2584076.0/37

All: 3418.805+/-0.360 χ^2/NDF: 5650639.7/76

- sign 3356.273+/-0.506 χ^2/NDF: 3035745.6/38

dit_asym_usr_atr2_dd_mean vs Slug



Right In: -670.819+/-448.500 χ^2/NDF: 11.9/15

Left Out: 471.077+/-274.385 χ^2/NDF:34.7/21

Right Out: 290.311+/-434.425 χ^2/NDF: 16.9/18

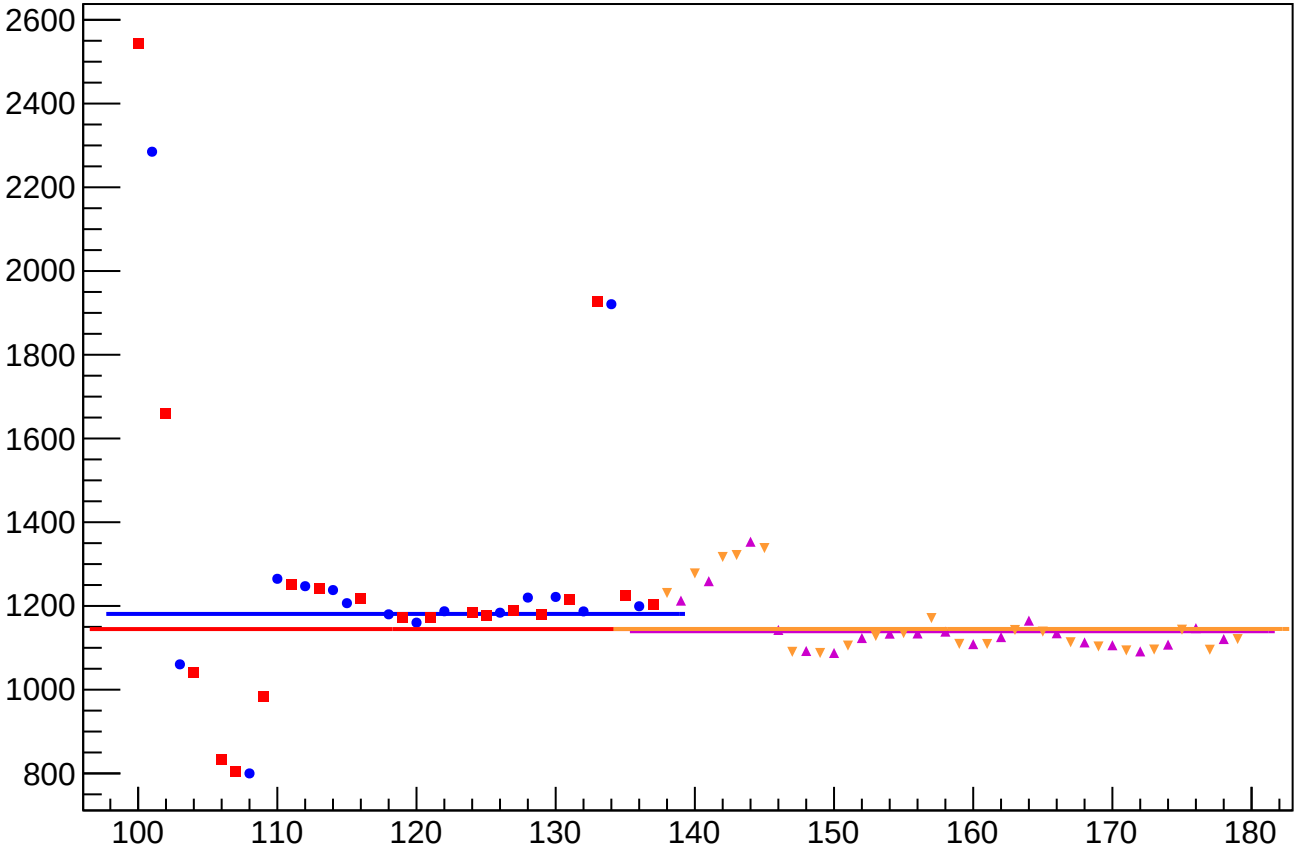
Left In: 465.833+/-282.287 χ^2/NDF:16.8/19

+ sign 160.086+/-234.058 χ^2/NDF: 51.3/37

All: 285.480+/-166.431 χ^2/NDF: 85.7/76

- sign 413.724+/-236.704 χ^2/NDF: 33.8/38

dit_asym_usr_atr2_dd_rms vs Slug



Right In: 1180.955+/-0.317 χ^2/NDF: 621878.6/15

Left Out: 1145.040+/-0.194 χ^2/NDF:133955.8/21

Right Out: 1144.777+/-0.307 χ^2/NDF: 497730.6/18

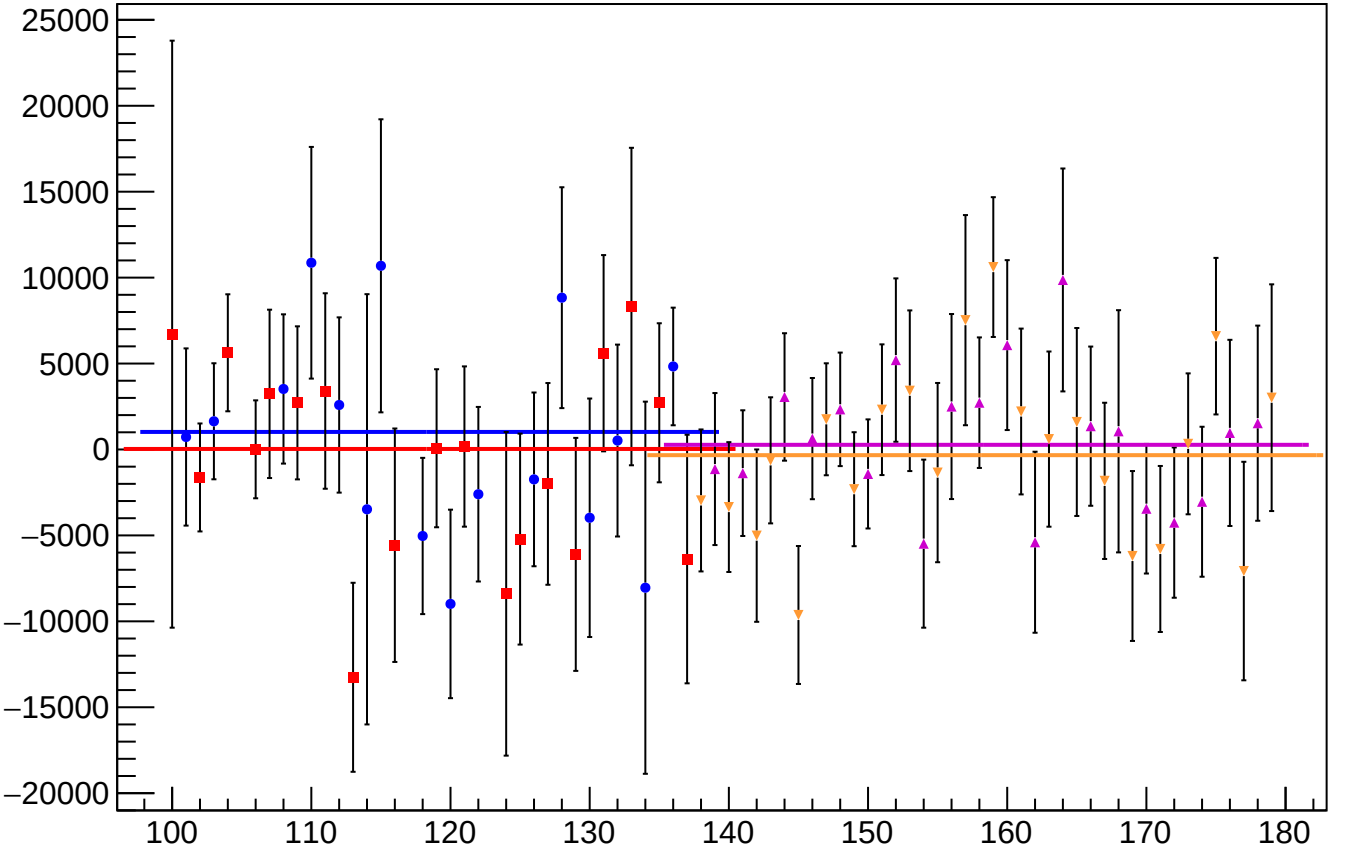
Left In: 1139.623+/-0.200 χ^2/NDF:84398.2/19

+ sign 1154.821+/-0.166 χ^2/NDF: 765167.0/37

All: 1148.063+/-0.118 χ^2/NDF: 1350865.5/76

- sign 1141.154+/-0.167 χ^2/NDF: 582326.9/38

asym_usr_atr2_dd_dit_correction_mean vs Slug



Right In: 1021.047+/-1302.431 χ^2/NDF: 13.9/15

Left Out: -331.155+/-940.151 χ^2/NDF:25.1/21

Right Out: 30.135+/-1130.743 χ^2/NDF: 16.1/18

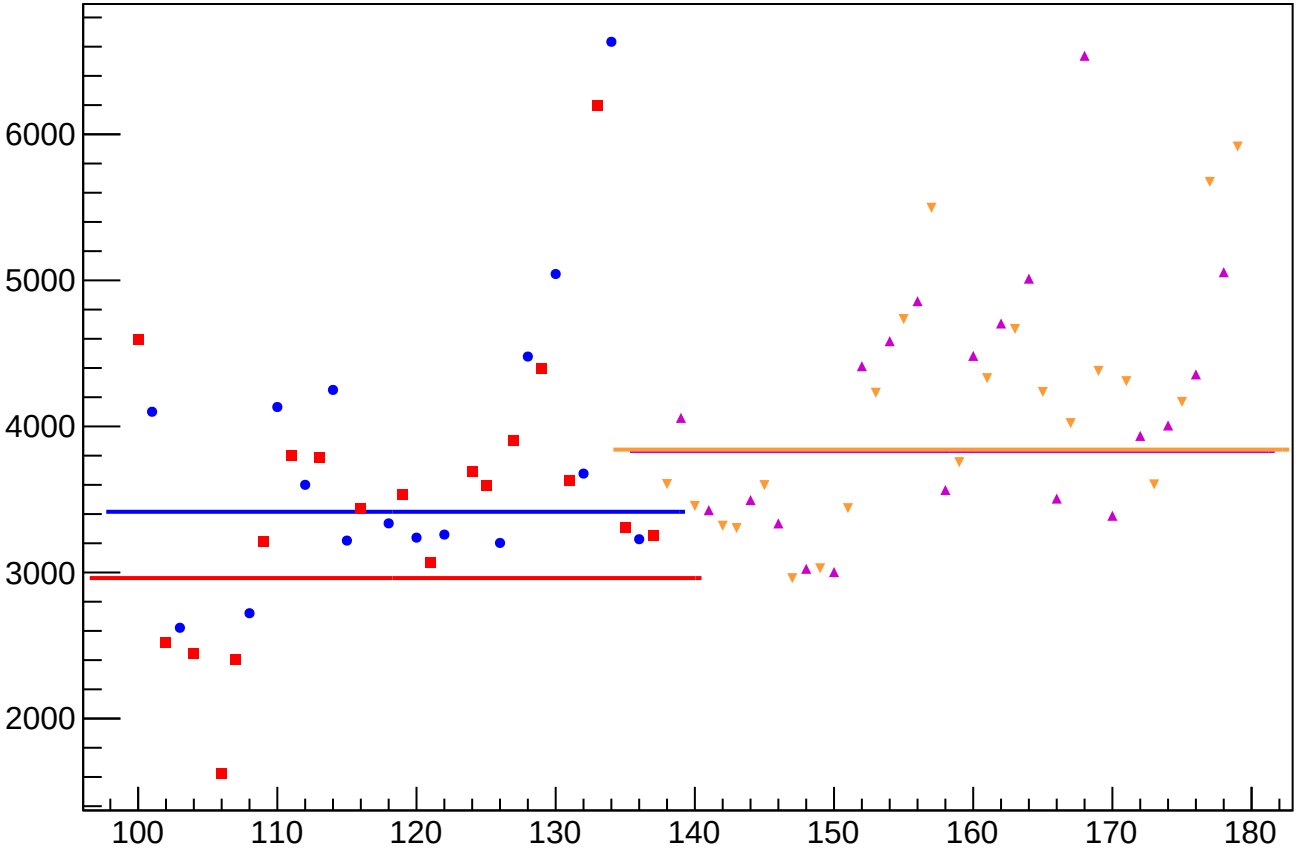
Left In: 270.923+/-967.802 χ^2/NDF:12.1/19

\+ sign 132.059+/-762.298 χ^2/NDF: 39.6/37

All: 151.255+/-529.208 χ^2/NDF: 67.9/76

\- sign 169.113+/-735.262 χ^2/NDF: 28.3/38

asym_usr_atr2_dd_dit_correction_rms vs Slug



Right In: 3415.595+/-0.921 χ^2/NDF: 592344.0/15

Left Out: 3841.280+/-0.665 χ^2/NDF:1118152.1/21

Right Out: 2961.798+/-0.800 χ^2/NDF: 1169257.4/18

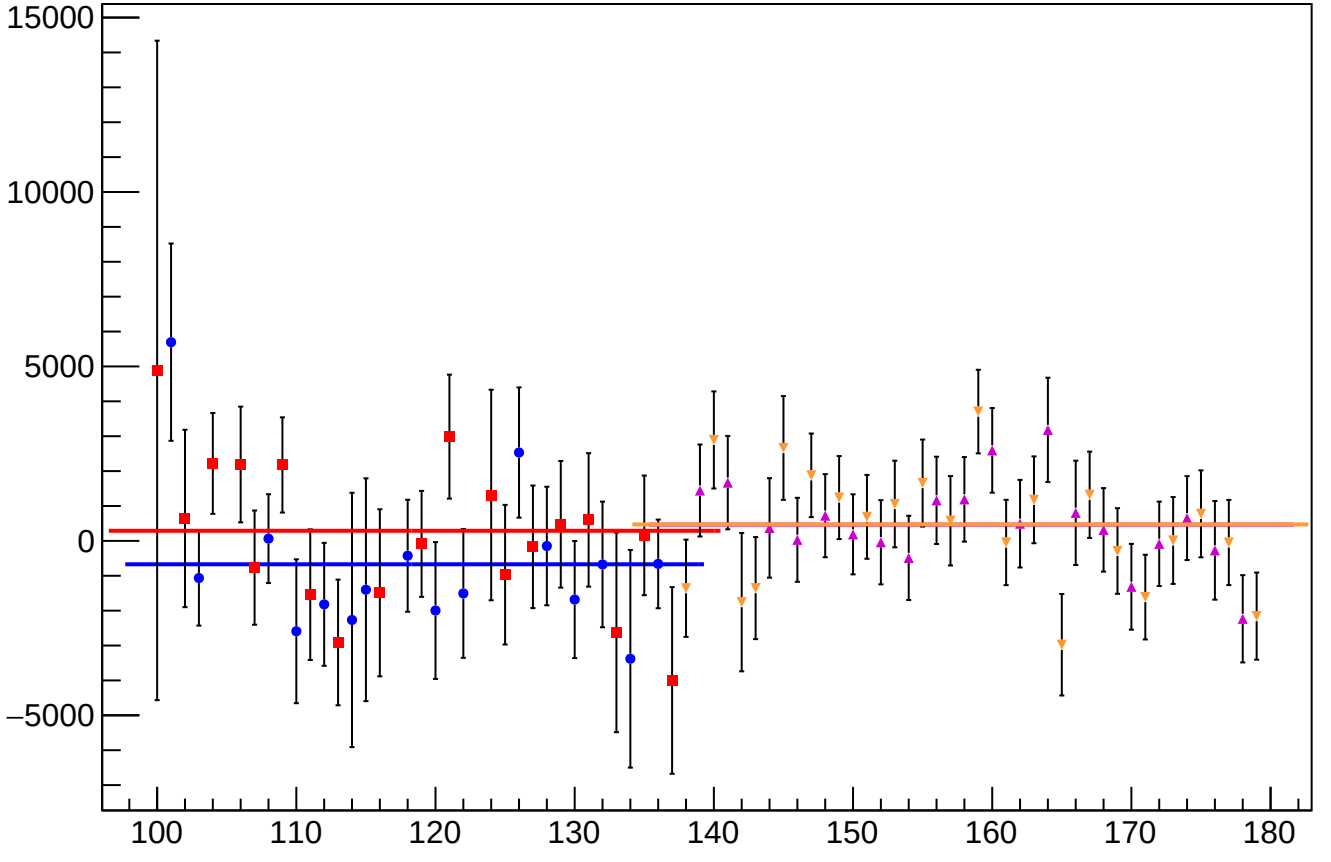
Left In: 3831.556+/-0.684 χ^2/NDF:1105244.7/19

\+ sign 3695.456+/-0.539 χ^2/NDF: 1850956.1/37

All: 3575.449+/-0.374 χ^2/NDF: 4904121.0/76

\- sign 3463.804+/-0.520 χ^2/NDF: 2957484.8/38

eigen_dit_asym_usr_atr2_dd_mean vs Slug



Right In: -670.824+/-448.500 χ^2/NDF: 11.9/15

Left Out: 471.082+/-274.385 χ^2/NDF:34.7/21

Right Out: 290.316+/-434.425 χ^2/NDF: 16.9/18

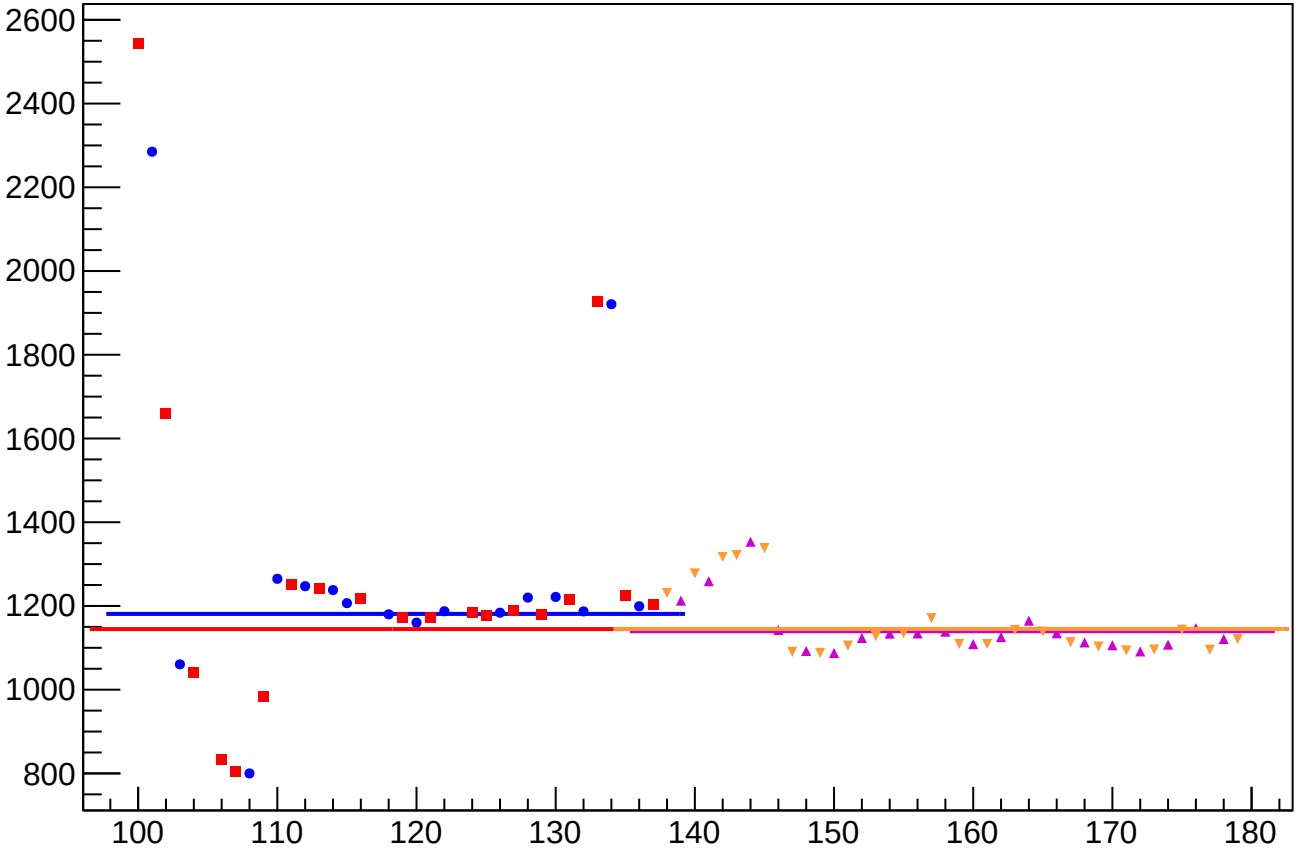
Left In: 465.834+/-282.287 χ^2/NDF:16.8/19

+ sign 160.088+/-234.058 χ^2/NDF: 51.3/37

All: 285.481+/-166.432 χ^2/NDF: 85.7/76

- sign 413.726+/-236.704 χ^2/NDF: 33.8/38

eigen_dit_asym_usr_atr2_dd_rms vs Slug



Right In: 1180.955+/-0.317 χ^2/NDF: 621878.9/15

Left Out: 1145.040+/-0.194 χ^2/NDF:133956.0/21

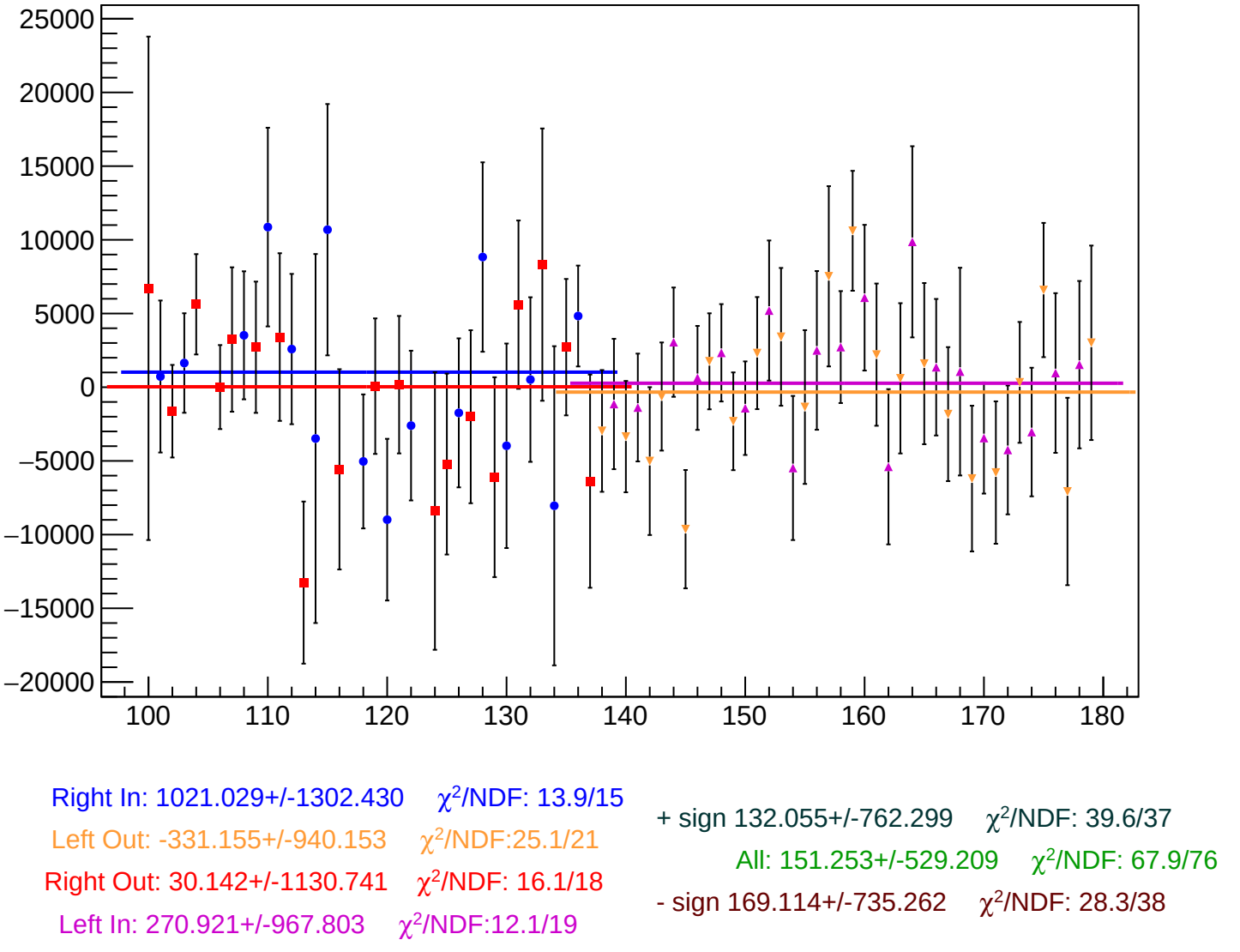
Right Out: 1144.777+/-0.307 χ^2/NDF: 497730.2/18

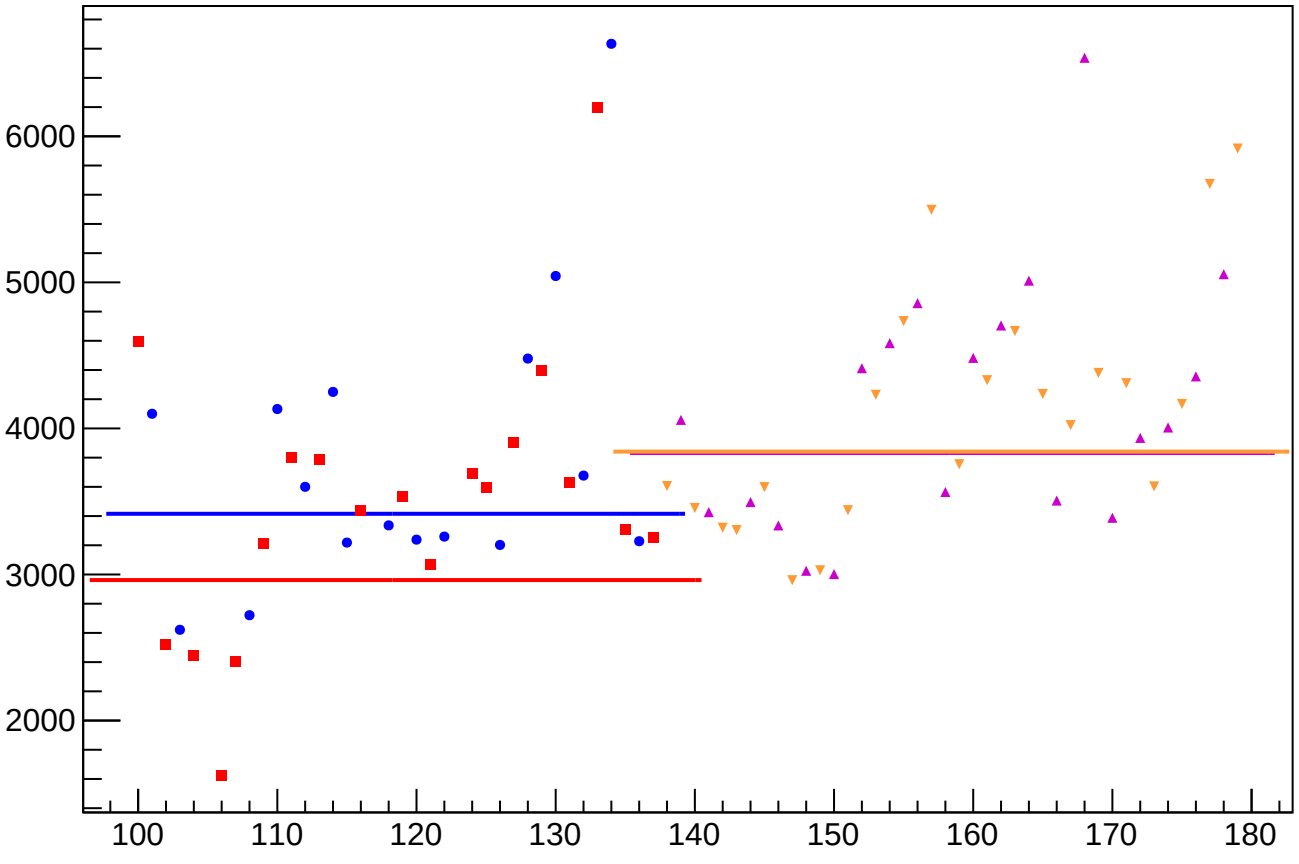
Left In: 1139.624+/-0.200 χ^2/NDF:84398.0/19

+ sign 1154.821+/-0.166 χ^2/NDF: 765167.1/37

All: 1148.064+/-0.118 χ^2/NDF: 1350864.8/76

- sign 1141.155+/-0.167 χ^2/NDF: 582326.2/38


asym_usr_atr2_dd_eigen_dit_correction_mean vs Slug
25000
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
170
180
Right In: 1021.029+/-1302.430 χ²/NDF: 13.9/15
Left Out: -331.155+/-940.153 χ²/NDF:25.1/21
Right Out: 30.142+/-1130.741 χ²/NDF: 16.1/18
Left In: 270.921+/-967.803 χ²/NDF:12.1/19
+ sign 132.055+/-762.299 χ²/NDF: 39.6/37
All: 151.253+/-529.209 χ²/NDF: 67.9/76
- sign 169.114+/-735.262 χ²/NDF: 28.3/38



Right In: 3415.591+/-0.921 χ^2/NDF: 592339.1/15

Left Out: 3841.286+/-0.665 χ^2/NDF:1118153.8/21

Right Out: 2961.793+/-0.800 χ^2/NDF: 1169257.0/18

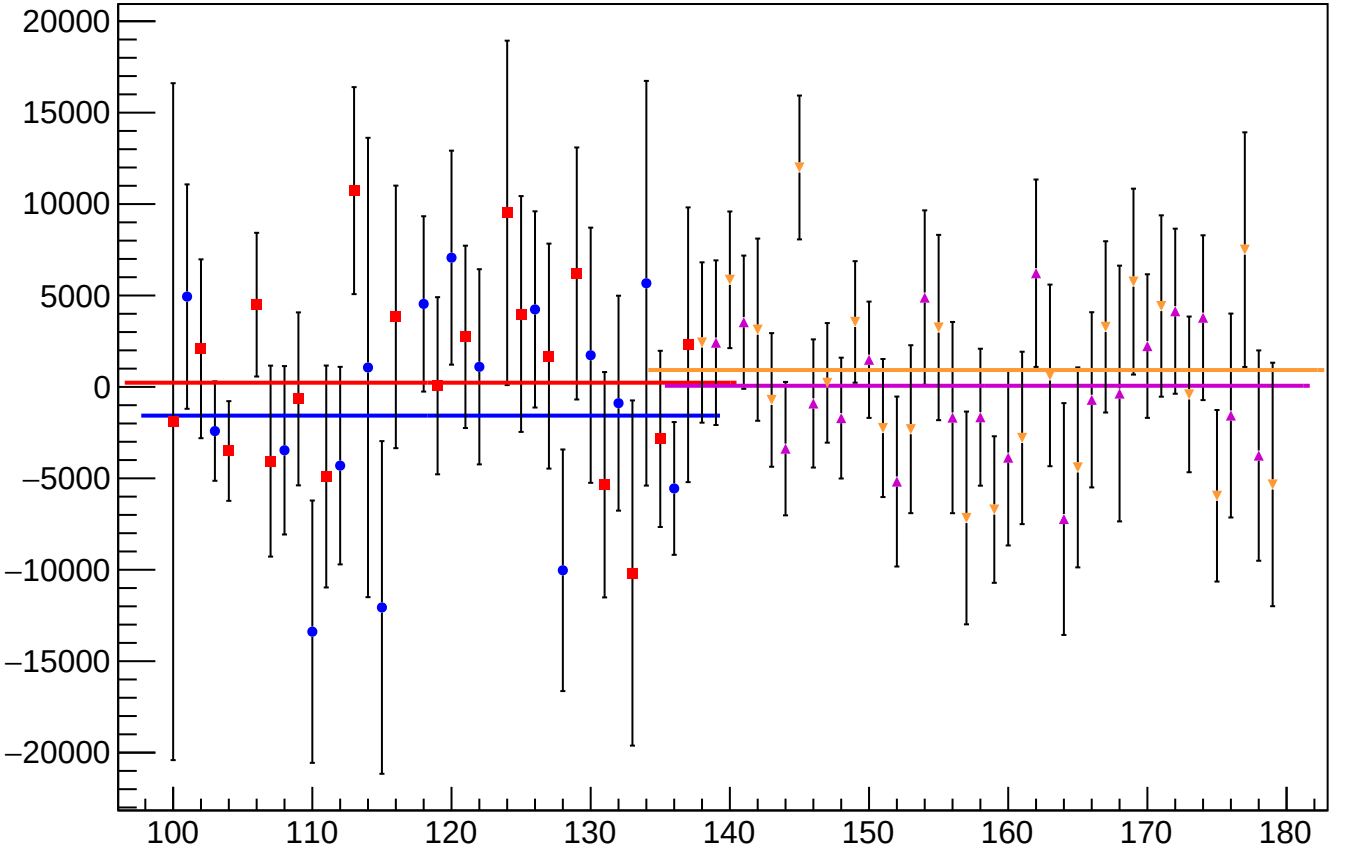
Left In: 3831.561+/-0.684 χ^2/NDF:1105246.6/19

+ sign 3695.458+/-0.539 χ^2/NDF: 1850958.8/37

All: 3575.450+/-0.374 χ^2/NDF: 4904143.4/76

- sign 3463.804+/-0.520 χ^2/NDF: 2957502.4/38

asym_usr_atr2_dd_mean vs Slug



Right In: -1569.809+/-1312.937 χ^2/NDF: 14.5/15

Left Out: 923.559+/-941.917 χ^2/NDF:25.2/21

Right Out: 231.125+/-1224.318 χ^2/NDF: 13.2/18

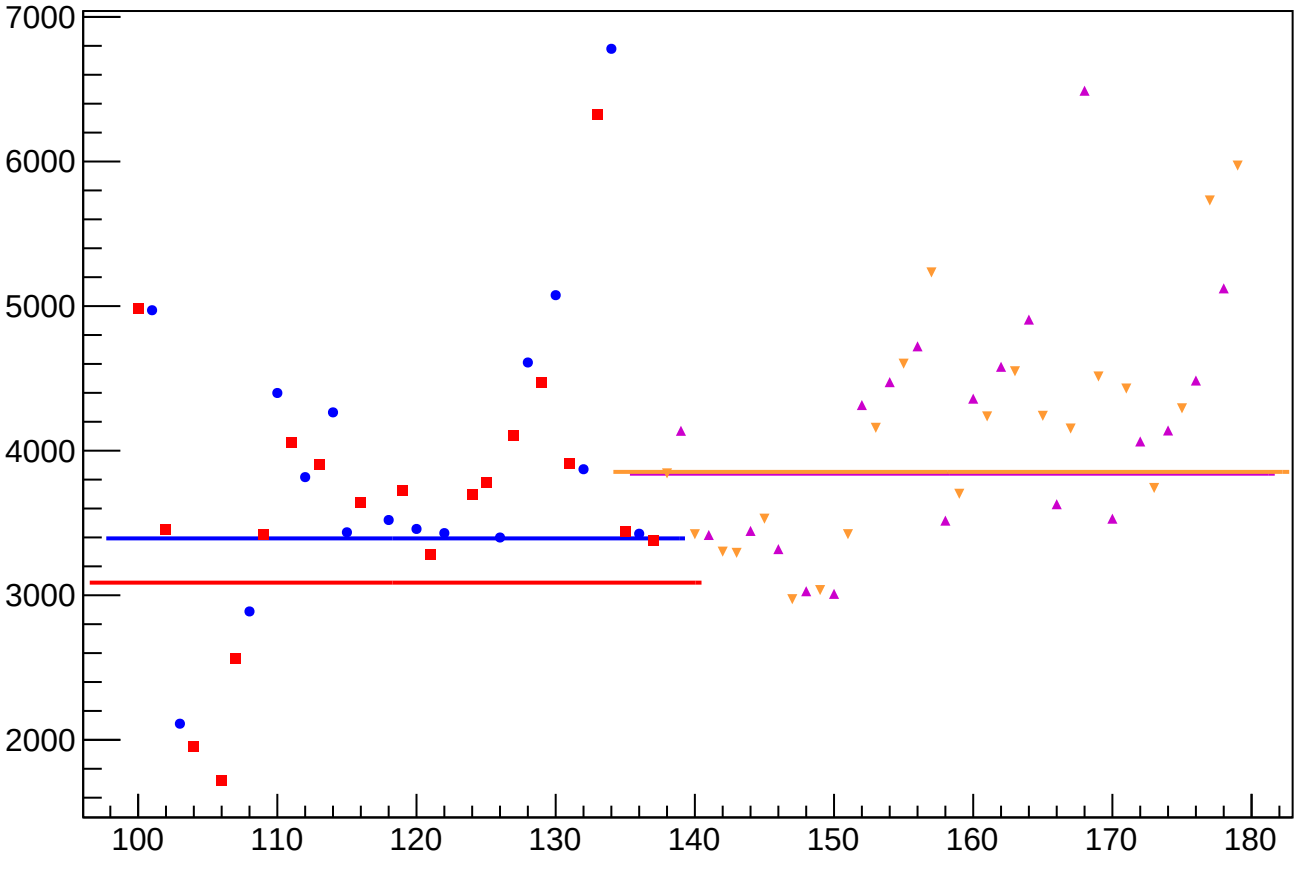
Left In: 62.849+/-968.739 χ^2/NDF:11.0/19

+ sign 76.326+/-765.336 χ^2/NDF: 42.1/37

All: 102.172+/-539.167 χ^2/NDF: 66.4/76

- sign 127.639+/-759.691 χ^2/NDF: 24.3/38

asym_usr_atr2_dd_rms vs Slug



Right In: 3393.365+/-0.928 χ^2/NDF: 1048707.6/15

Left Out: 3853.385+/-0.666 χ^2/NDF:1095579.5/21

Right Out: 3087.307+/-0.851 χ^2/NDF: 1328355.8/18

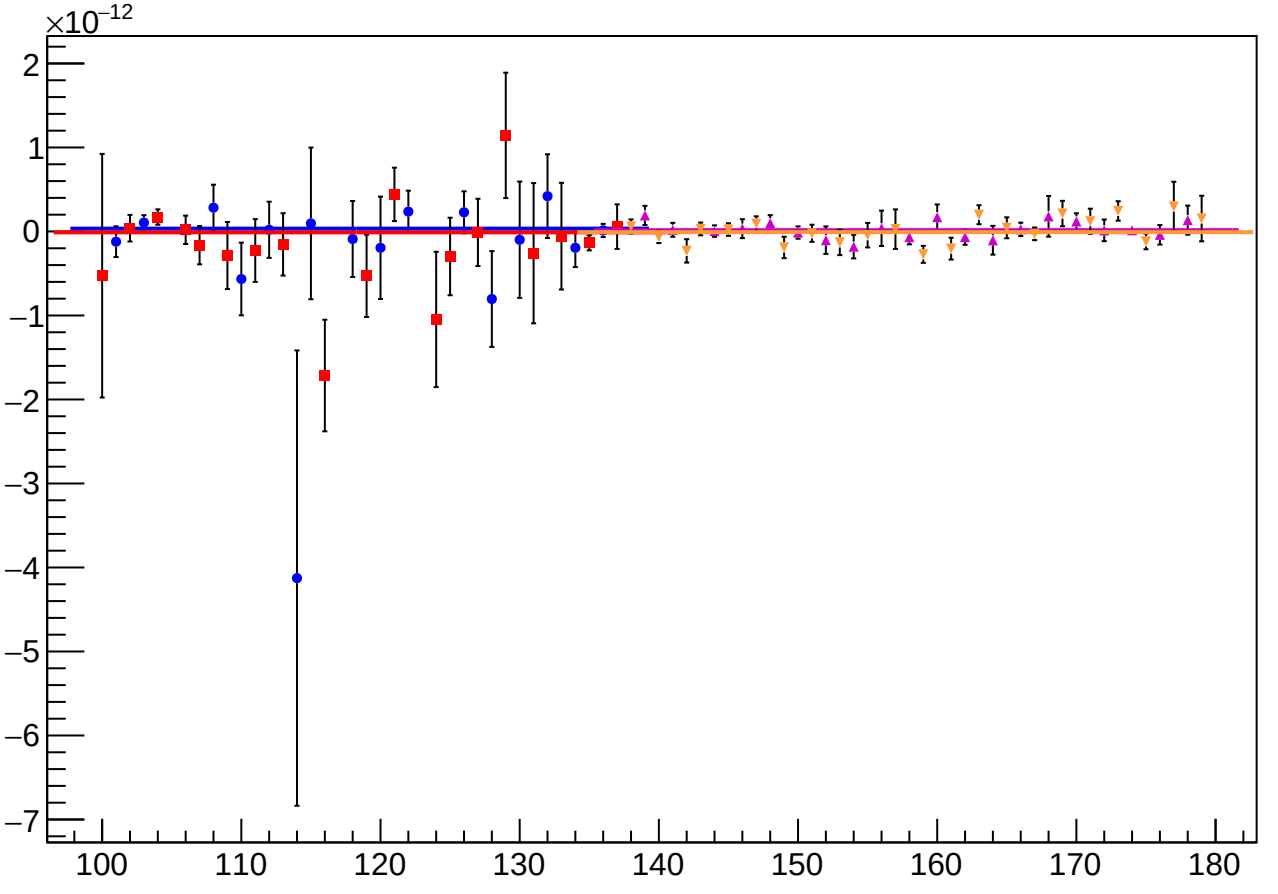
Left In: 3840.796+/-0.685 χ^2/NDF:1053574.3/19

+ sign 3697.072+/-0.541 χ^2/NDF: 2306383.8/37

All: 3619.789+/-0.380 χ^2/NDF: 5204114.4/76

- sign 3544.636+/-0.534 χ^2/NDF: 2857505.3/38

asym_usr_atr2_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 11.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:31.5/21

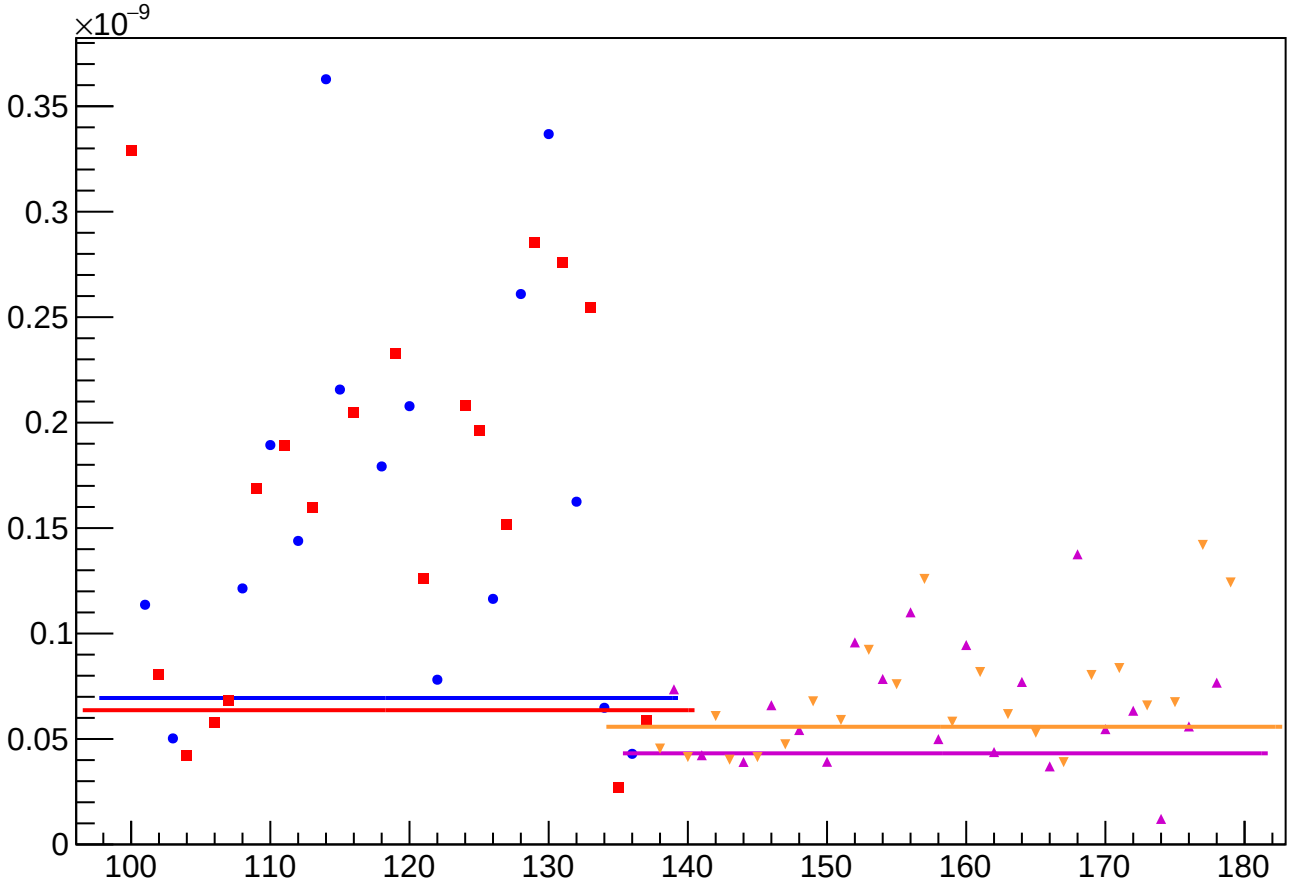
Right Out: -0.000+/-0.000 χ^2/NDF: 21.9/18

Left In: 0.000+/-0.000 χ^2/NDF:11.4/19

+ sign -0.000+/-0.000 χ^2/NDF: 44.0/37

All: 0.000+/-0.000 χ^2/NDF: 77.6/76

- sign 0.000+/-0.000 χ^2/NDF: 33.5/38



Right In: 0.000+/-0.000 χ^2/NDF: 1729471.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1290810.8/21

Right Out: 0.000+/-0.000 χ^2/NDF: 2250342.3/18

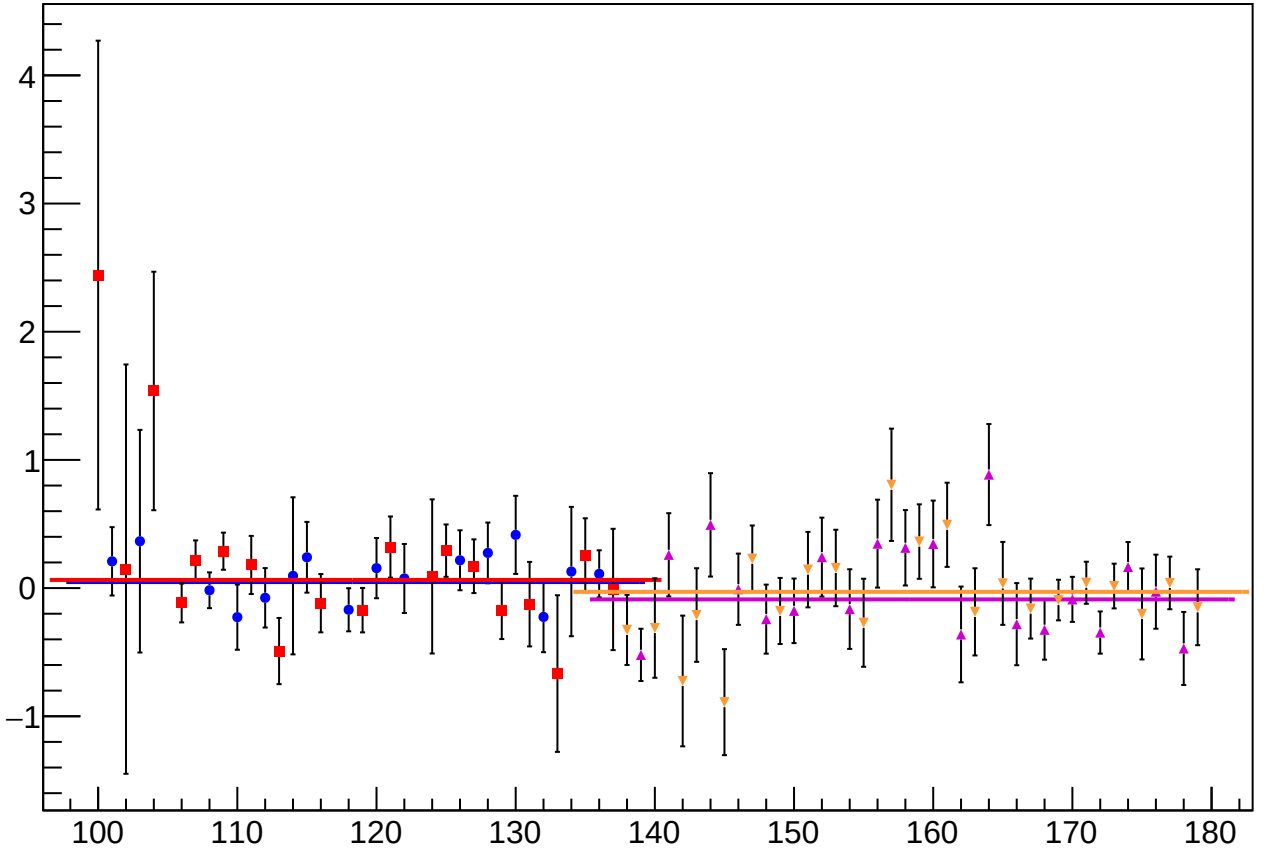
Left In: 0.000+/-0.000 χ^2/NDF:2750984.0/19

+ sign 0.000+/-0.000 χ^2/NDF: 3147807.0/37

All: 0.000+/-0.000 χ^2/NDF: 8794701.5/76

- sign 0.000+/-0.000 χ^2/NDF: 5290546.5/38

asym_usr_atr2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.047+/-0.060 χ^2/NDF: 8.6/15

Left Out: -0.029+/-0.056 χ^2/NDF:20.2/21

Right Out: 0.064+/-0.055 χ^2/NDF: 22.2/18

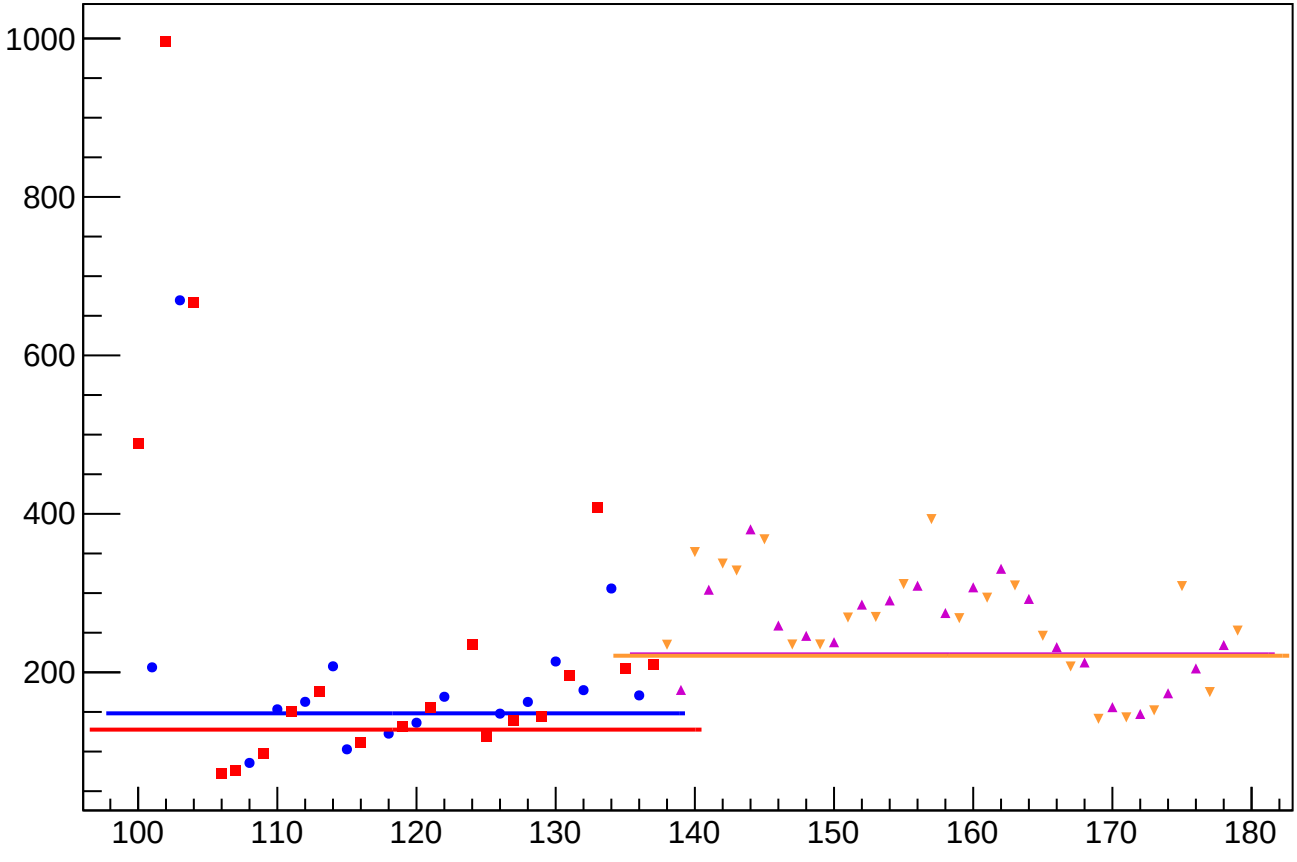
Left In: -0.088+/-0.058 χ^2/NDF:28.6/19

+ sign 0.006+/-0.041 χ^2/NDF: 29.6/37

All: -0.001+/-0.029 χ^2/NDF: 84.1/76

- sign -0.007+/-0.040 χ^2/NDF: 54.5/38

asym_usr_atr2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 148.240+/-0.042 χ^2/NDF: 1710035.6/15

Left Out: 220.959+/-0.040 χ^2/NDF:3151568.8/21

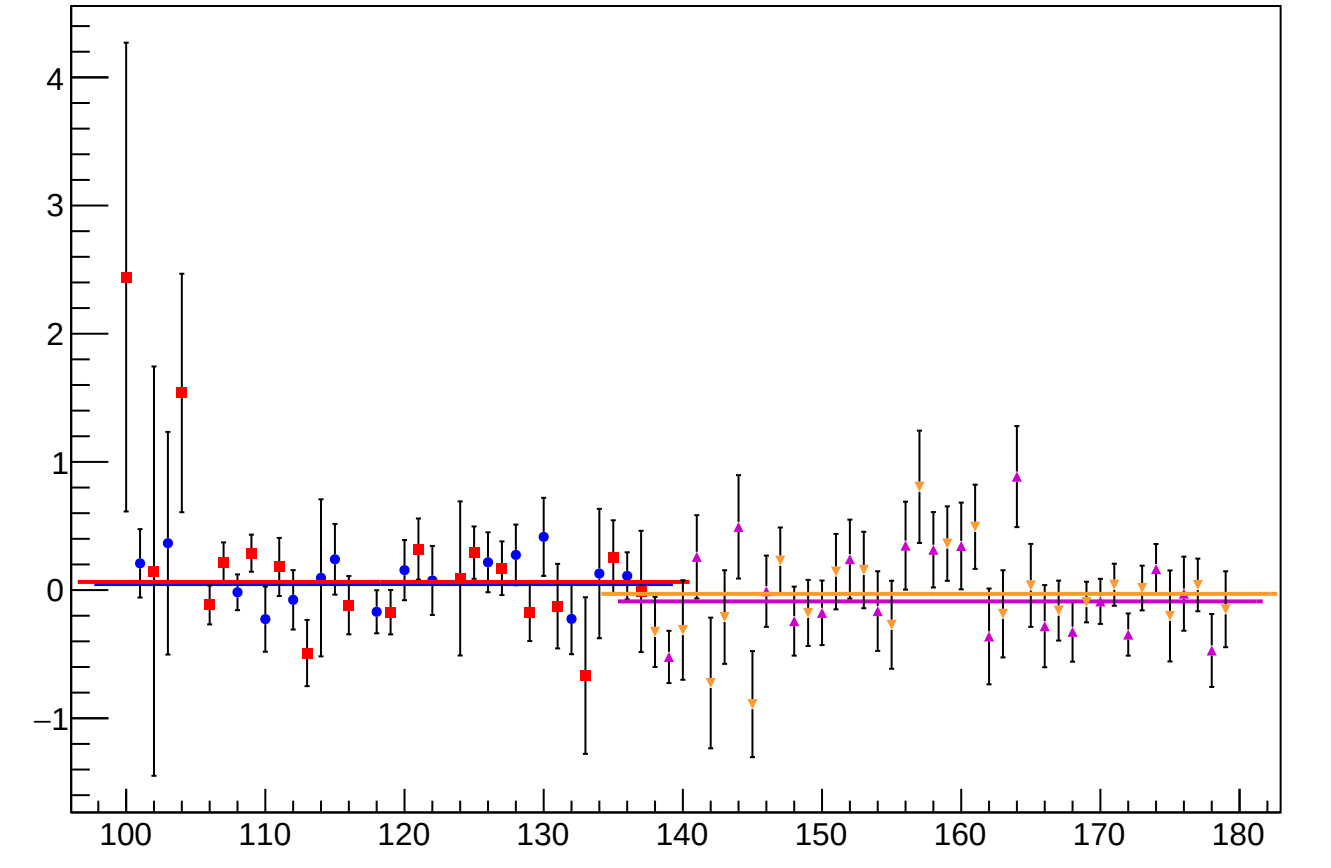
Right Out: 127.685+/-0.039 χ^2/NDF: 2841780.7/18

Left In: 222.641+/-0.041 χ^2/NDF:2158674.6/19

+ sign 186.852+/-0.029 χ^2/NDF: 6419989.4/37

All: 179.228+/-0.020 χ^2/NDF: 14373009.3/76

- sign 172.045+/-0.028 χ^2/NDF: 7819437.0/38



Right In: 0.047+/-0.060 χ^2/NDF: 8.6/15

Left Out: -0.029+/-0.056 χ^2/NDF:20.2/21

Right Out: 0.064+/-0.055 χ^2/NDF: 22.2/18

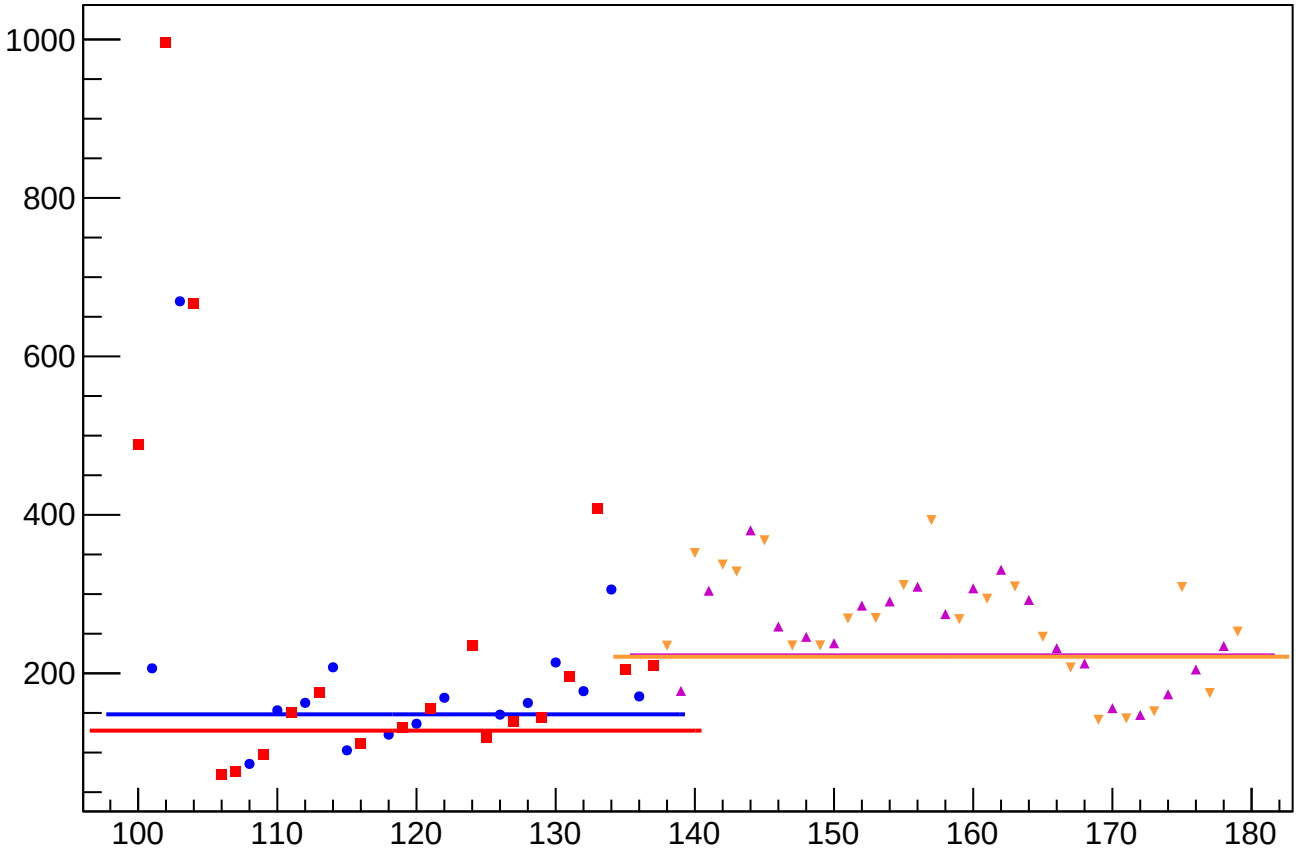
Left In: -0.088+/-0.058 χ^2/NDF:28.6/19

+ sign 0.006+/-0.041 χ^2/NDF: 29.6/37

All: -0.001+/-0.029 χ^2/NDF: 84.1/76

- sign -0.007+/-0.040 χ^2/NDF: 54.5/38

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 148.240+/-0.042 χ^2/NDF: 1710035.6/15

Left Out: 220.959+/-0.040 χ^2/NDF:3151568.8/21

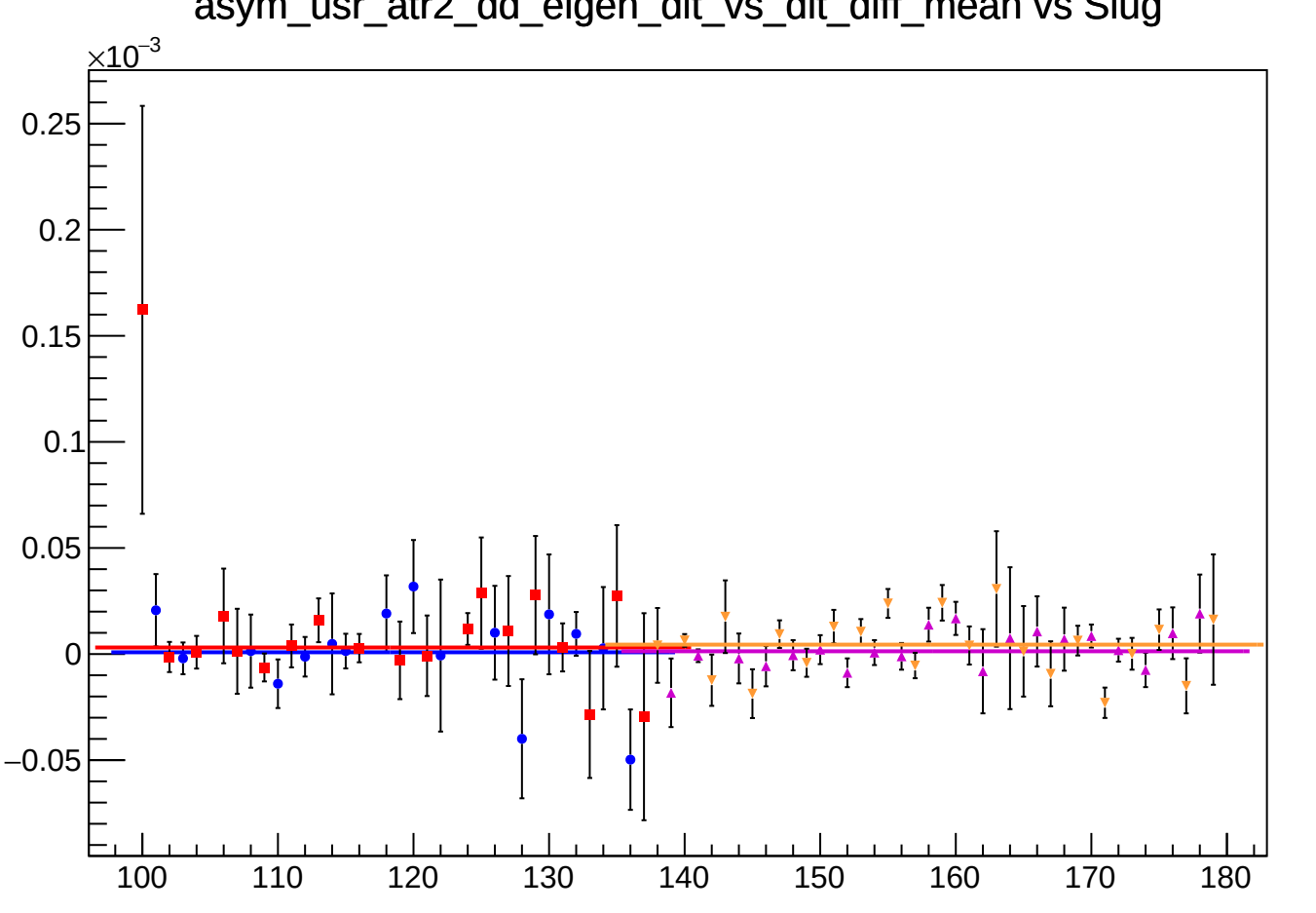
Right Out: 127.685+/-0.039 χ^2/NDF: 2841780.7/18

Left In: 222.641+/-0.041 χ^2/NDF:2158674.6/19

+ sign 186.852+/-0.029 χ^2/NDF: 6419989.4/37

All: 179.228+/-0.020 χ^2/NDF: 14373009.3/76

- sign 172.045+/-0.028 χ^2/NDF: 7819437.0/38



Right In: 0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:47.6/21

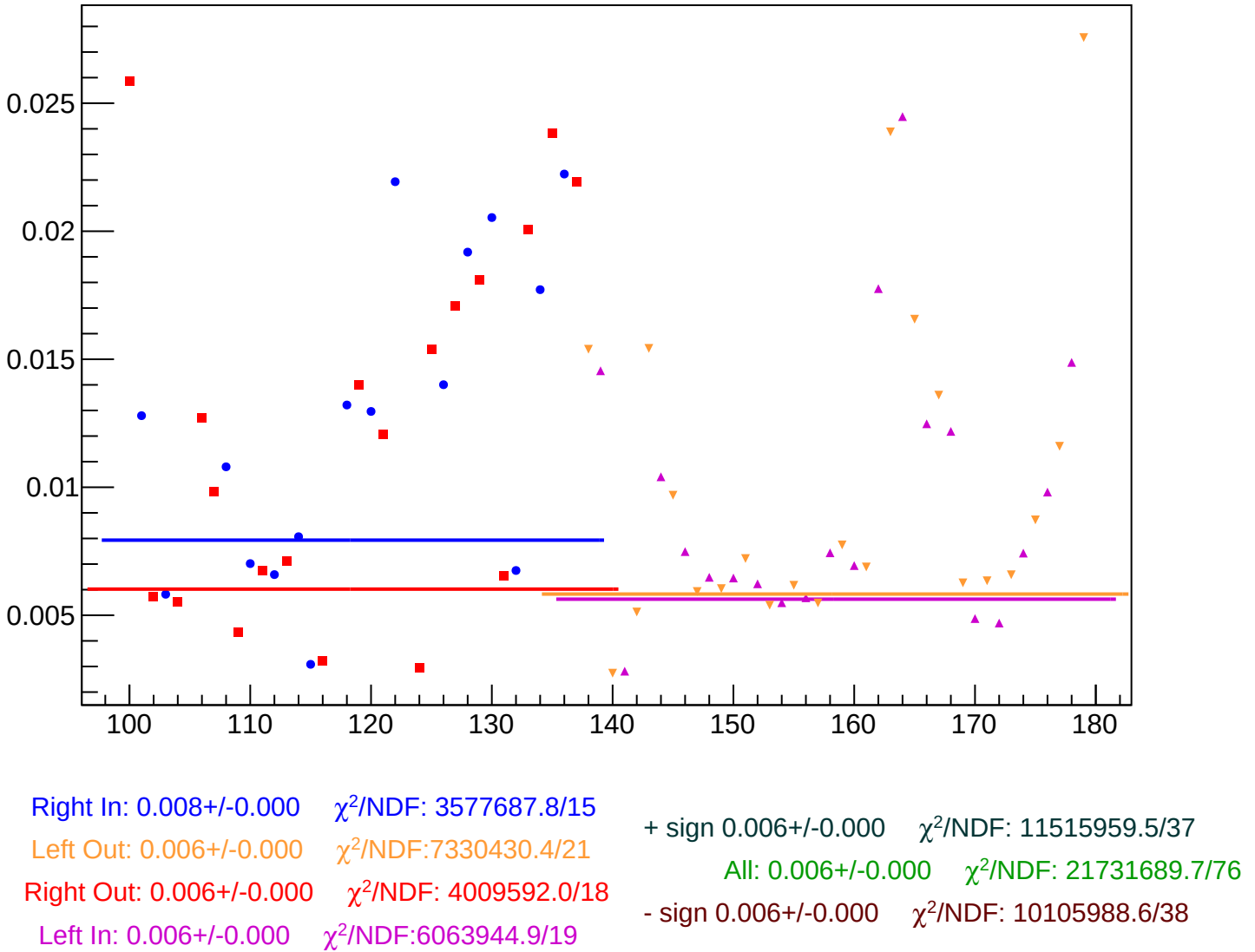
Right Out: 0.000+/-0.000 χ^2/NDF: 12.7/18

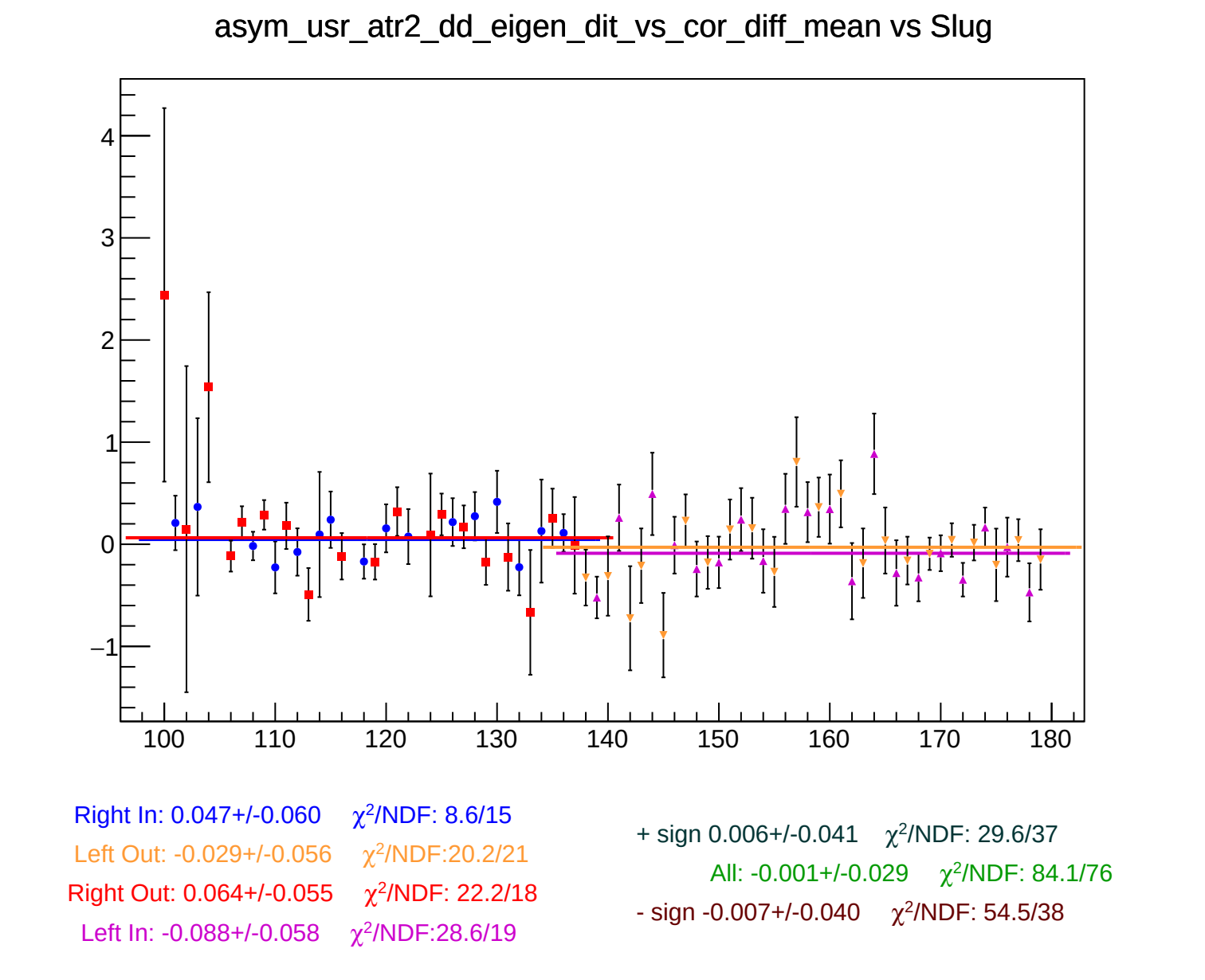
Left In: 0.000+/-0.000 χ^2/NDF:16.6/19

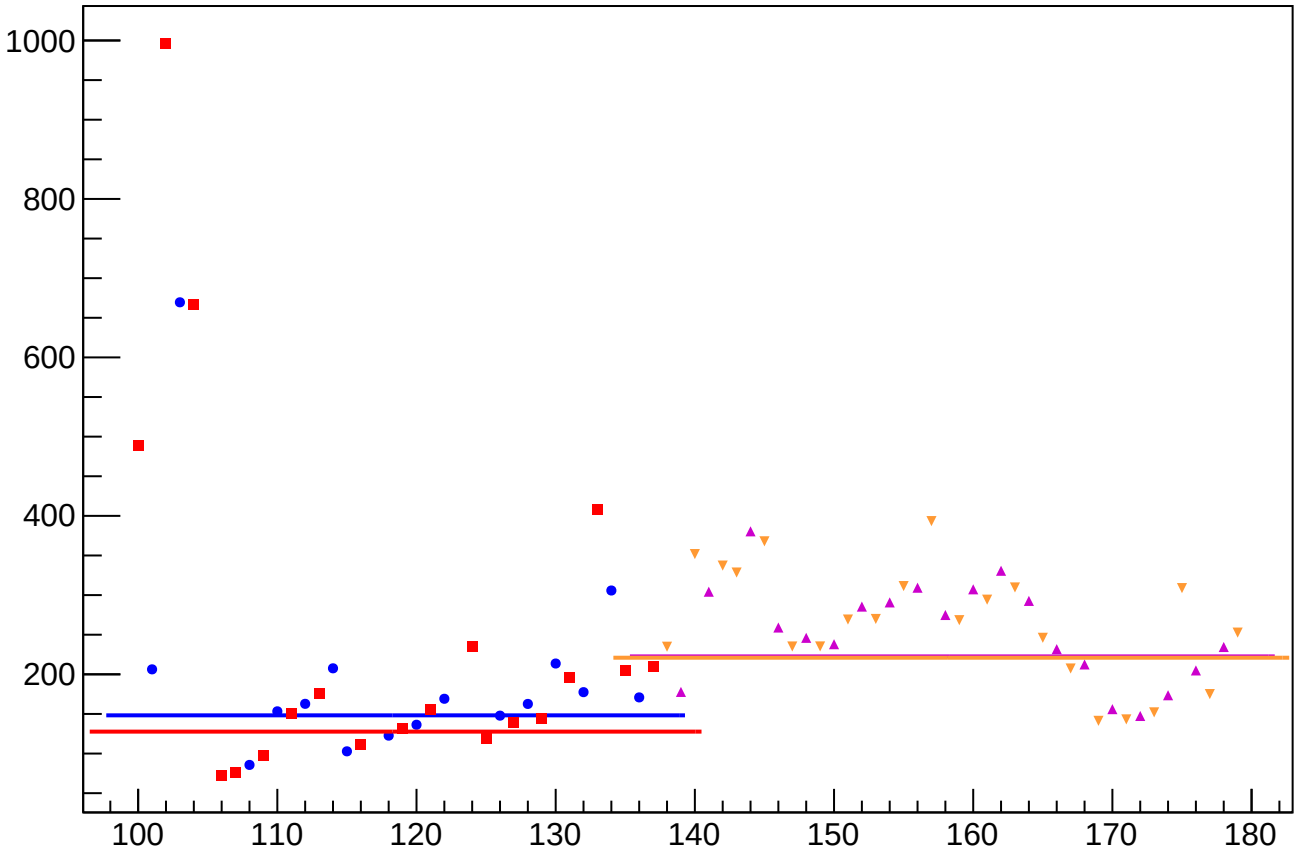
+ sign 0.000+/-0.000 χ^2/NDF: 62.7/37

All: 0.000+/-0.000 χ^2/NDF: 93.3/76

- sign 0.000+/-0.000 χ^2/NDF: 29.6/38


asym_usr_atr2_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.025
0.02
0.015
0.01
0.005
100
110
120
130
140
150
160
170
180
Right In: 0.008+/-0.000 χ²/NDF: 3577687.8/15
Left Out: 0.006+/-0.000 χ²/NDF:7330430.4/21
Right Out: 0.006+/-0.000 χ²/NDF: 4009592.0/18
Left In: 0.006+/-0.000 χ²/NDF:6063944.9/19
+ sign 0.006+/-0.000 χ²/NDF: 11515959.5/37
All: 0.006+/-0.000 χ²/NDF: 21731689.7/76
- sign 0.006+/-0.000 χ²/NDF: 10105988.6/38


asym_usr_atr2_dd_eigen_dit_vs_cor_diff_mean vs Slug
4
3
2
1
0
−1
100
110
120
130
140
150
160
170
180
Right In: 0.047+/-0.060 χ²/NDF: 8.6/15
Left Out: -0.029+/-0.056 χ²/NDF:20.2/21
Right Out: 0.064+/-0.055 χ²/NDF: 22.2/18
Left In: -0.088+/-0.058 χ²/NDF:28.6/19
+ sign 0.006+/-0.041 χ²/NDF: 29.6/37
All: -0.001+/-0.029 χ²/NDF: 84.1/76
- sign -0.007+/-0.040 χ²/NDF: 54.5/38



Right In: 148.238+/-0.042 χ^2/NDF: 1710114.4/15

Left Out: 220.960+/-0.040 χ^2/NDF:3151676.9/21

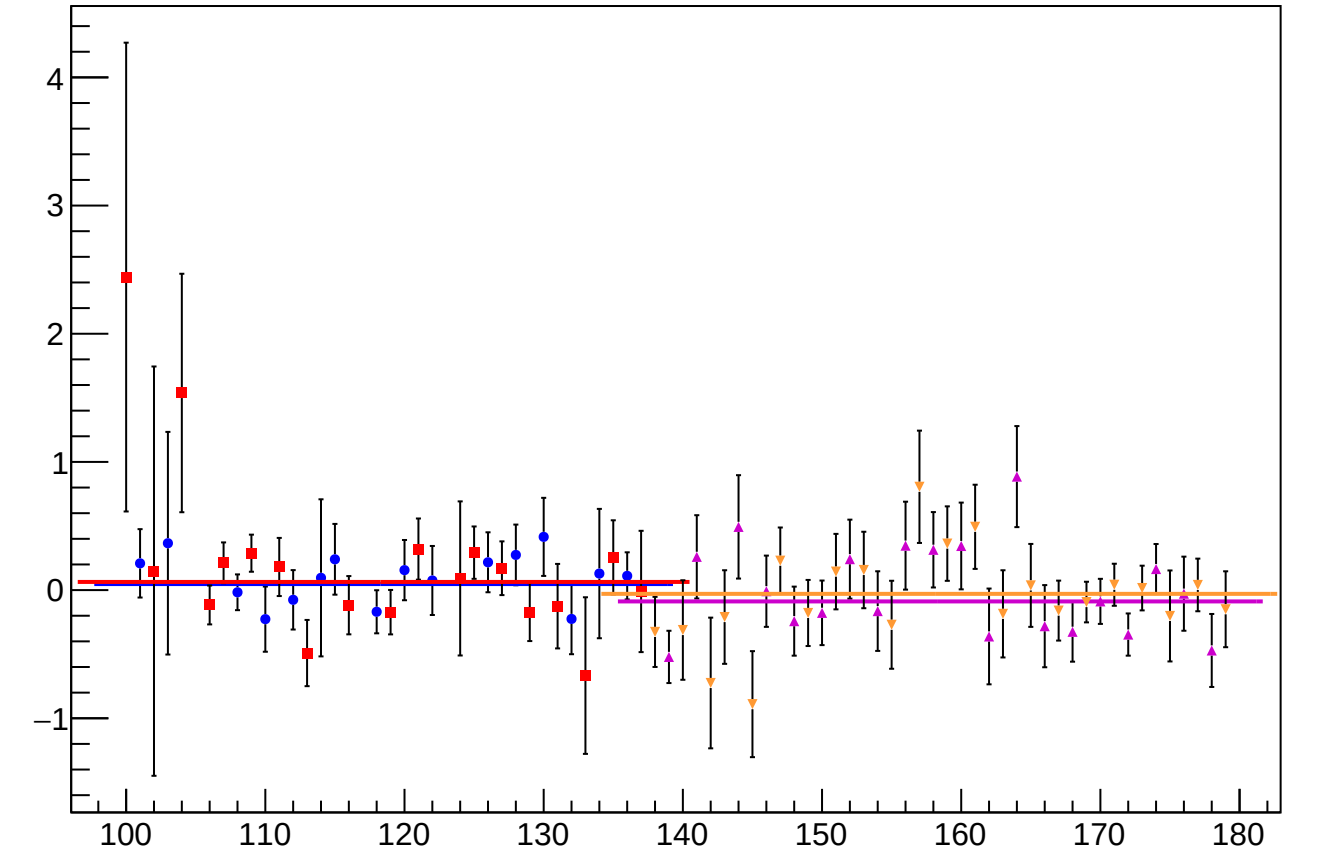
Right Out: 127.685+/-0.039 χ^2/NDF: 2841772.5/18

Left In: 222.642+/-0.041 χ^2/NDF:2158718.6/19

+ sign 186.851+/-0.029 χ^2/NDF: 6420339.9/37

All: 179.228+/-0.020 χ^2/NDF: 14373430.8/76

- sign 172.046+/-0.028 χ^2/NDF: 7819538.2/38



Right In: 0.047+/-0.060 χ^2/NDF: 8.6/15

Left Out: -0.029+/-0.056 χ^2/NDF:20.2/21

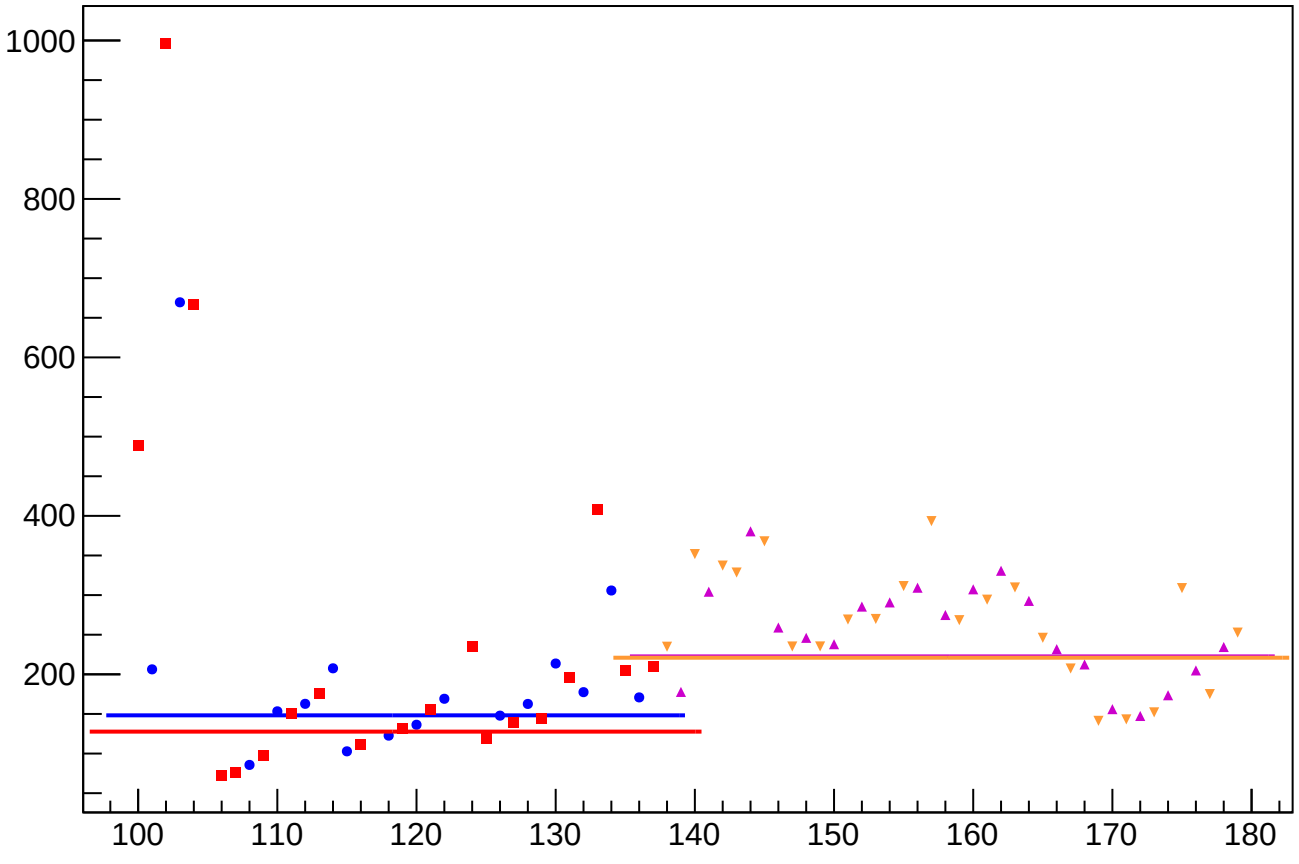
Right Out: 0.064+/-0.055 χ^2/NDF: 22.2/18

Left In: -0.088+/-0.058 χ^2/NDF:28.6/19

+ sign 0.006+/-0.041 χ^2/NDF: 29.6/37

All: -0.001+/-0.029 χ^2/NDF: 84.1/76

- sign -0.007+/-0.040 χ^2/NDF: 54.5/38



Right In: 148.238+/-0.042 χ^2/NDF: 1710114.4/15

Left Out: 220.960+/-0.040 χ^2/NDF:3151676.9/21

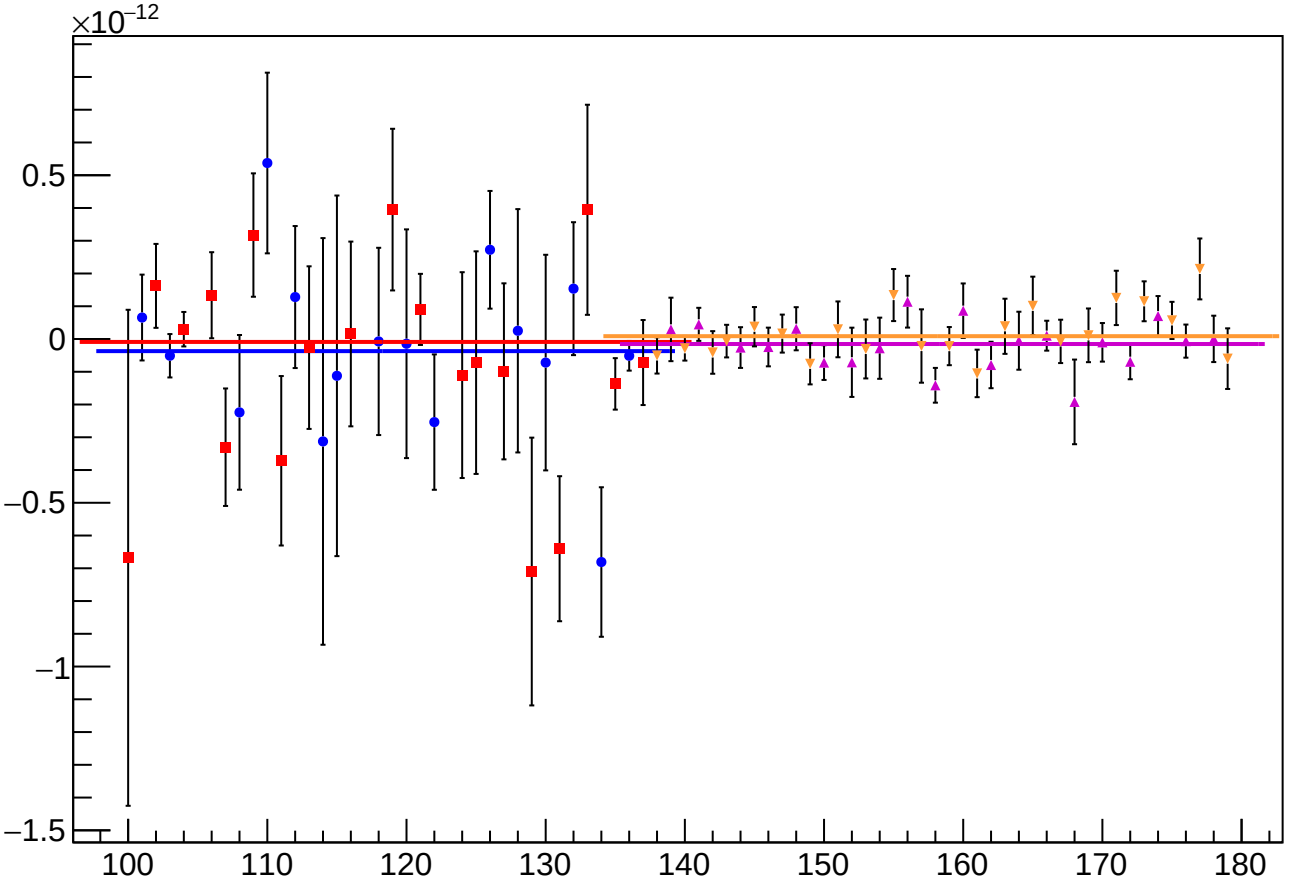
Right Out: 127.685+/-0.039 χ^2/NDF: 2841772.5/18

Left In: 222.642+/-0.041 χ^2/NDF:2158718.6/19

+ sign 186.851+/-0.029 χ^2/NDF: 6420339.9/37

All: 179.228+/-0.020 χ^2/NDF: 14373430.8/76

- sign 172.046+/-0.028 χ^2/NDF: 7819538.2/38



Right In: -0.000+/-0.000 χ^2/NDF: 19.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:22.8/21

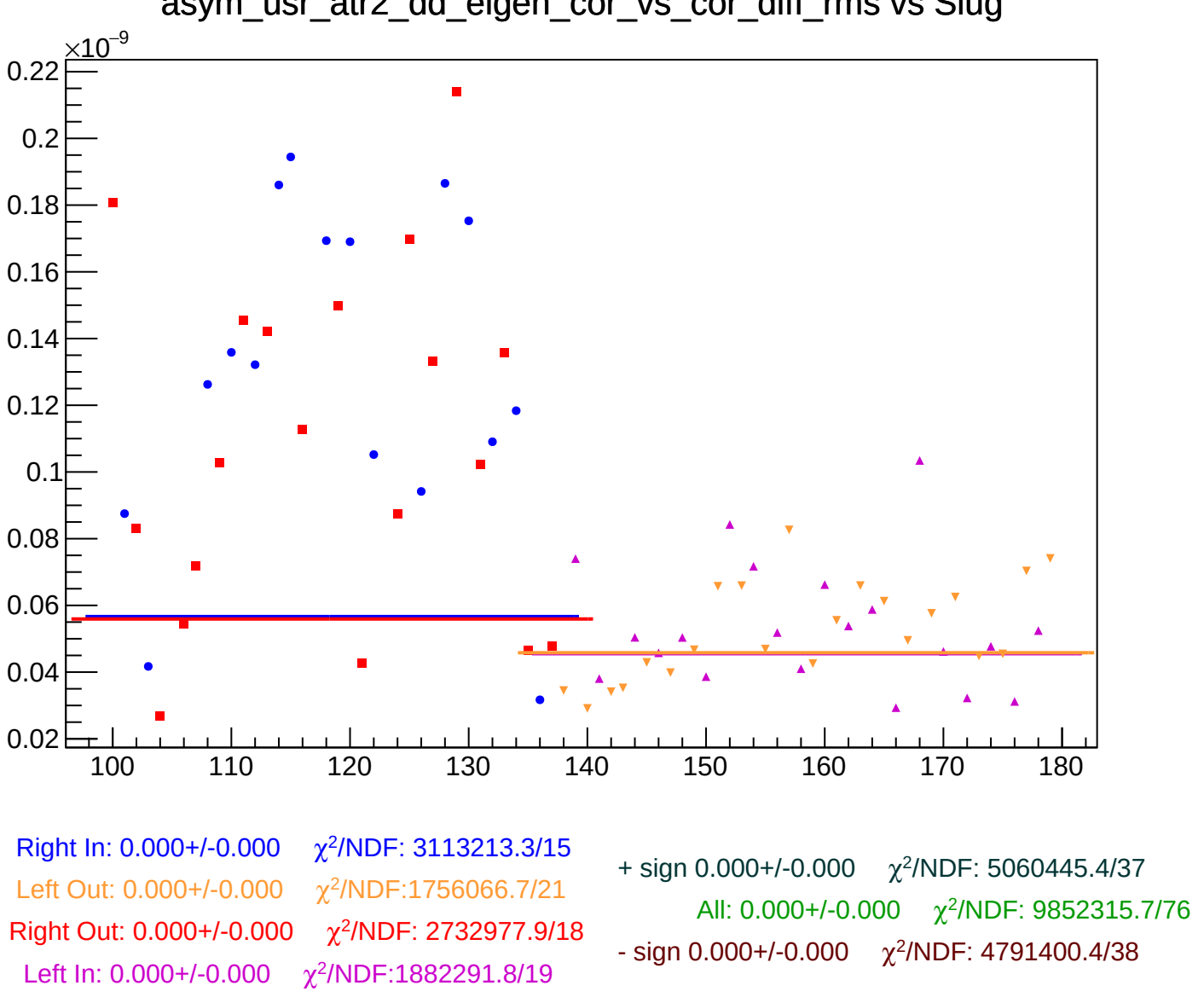
Right Out: -0.000+/-0.000 χ^2/NDF: 31.8/18

Left In: -0.000+/-0.000 χ^2/NDF:19.5/19

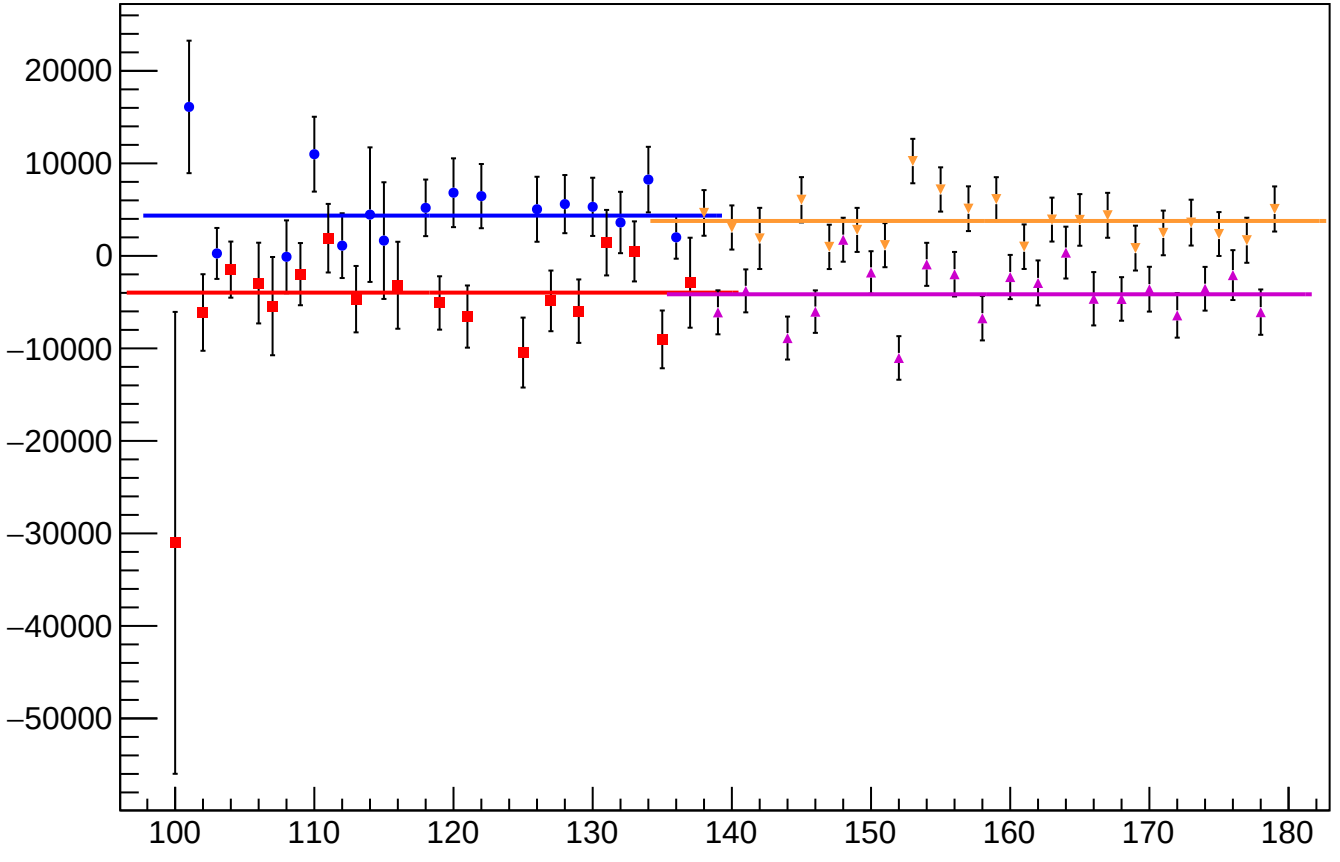
+ sign 0.000+/-0.000 χ^2/NDF: 44.0/37

All: -0.000+/-0.000 χ^2/NDF: 96.0/76

- sign -0.000+/-0.000 χ^2/NDF: 51.3/38


asym_usr_atr2_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 3113213.3/15
Left Out: 0.000+/-0.000 χ²/NDF:1756066.7/21
Right Out: 0.000+/-0.000 χ²/NDF: 2732977.9/18
Left In: 0.000+/-0.000 χ²/NDF:1882291.8/19
+ sign 0.000+/-0.000 χ²/NDF: 5060445.4/37
All: 0.000+/-0.000 χ²/NDF: 9852315.7/76
- sign 0.000+/-0.000 χ²/NDF: 4791400.4/38

reg_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4354.350+/-875.155 χ^2/NDF: 13.4/15

Left Out: 3774.927+/-535.445 χ^2/NDF:19.3/20

Right Out: -3971.679+/-871.305 χ^2/NDF: 16.2/17

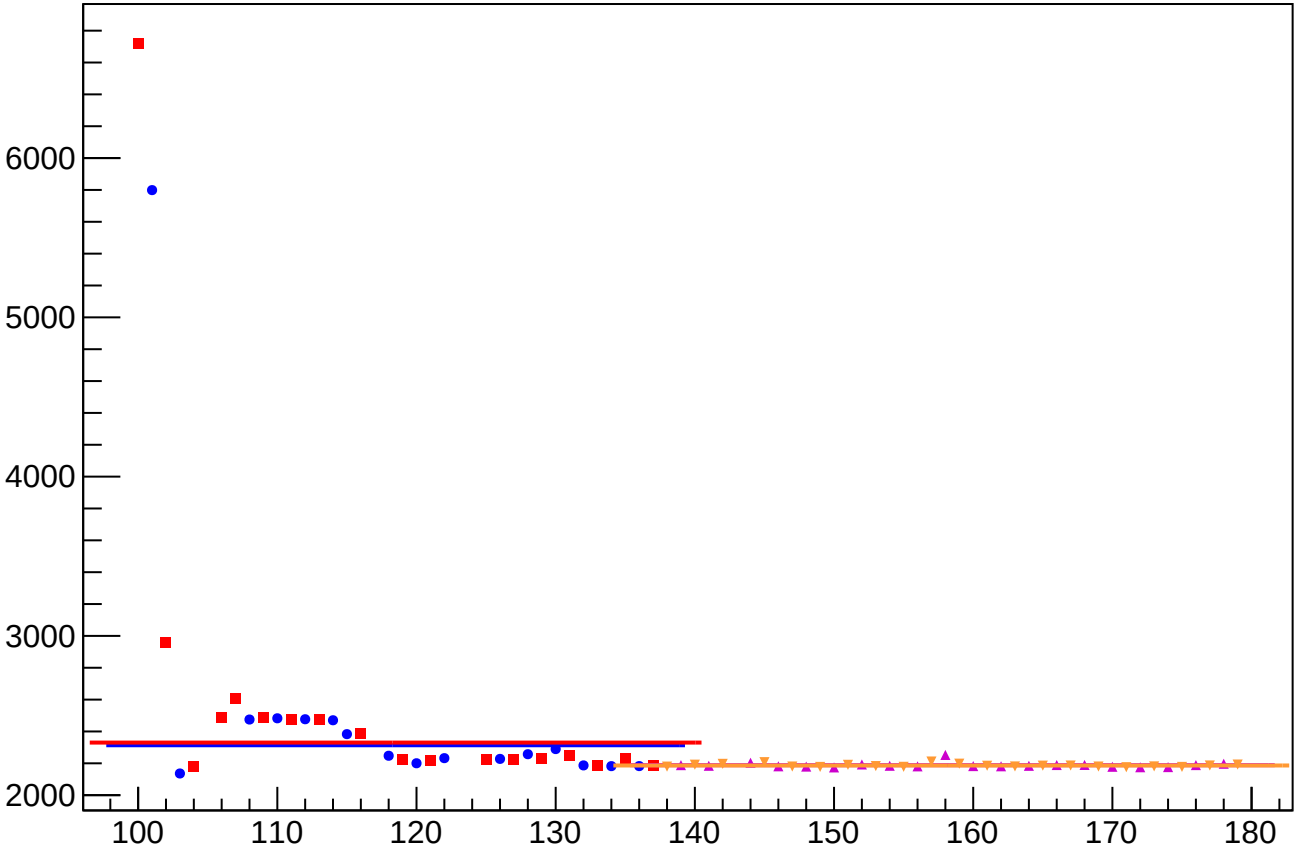
Left In: -4151.280+/-541.283 χ^2/NDF:30.9/19

+ sign 3932.747+/-456.740 χ^2/NDF: 32.9/36

All: -57.576+/-324.035 χ^2/NDF: 233.7/74

- sign -4101.268+/-459.784 χ^2/NDF: 47.1/37

reg_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2313.413+/-0.619 χ^2/NDF: 512371.8/15

Left Out: 2186.394+/-0.379 χ^2/NDF:646.7/20

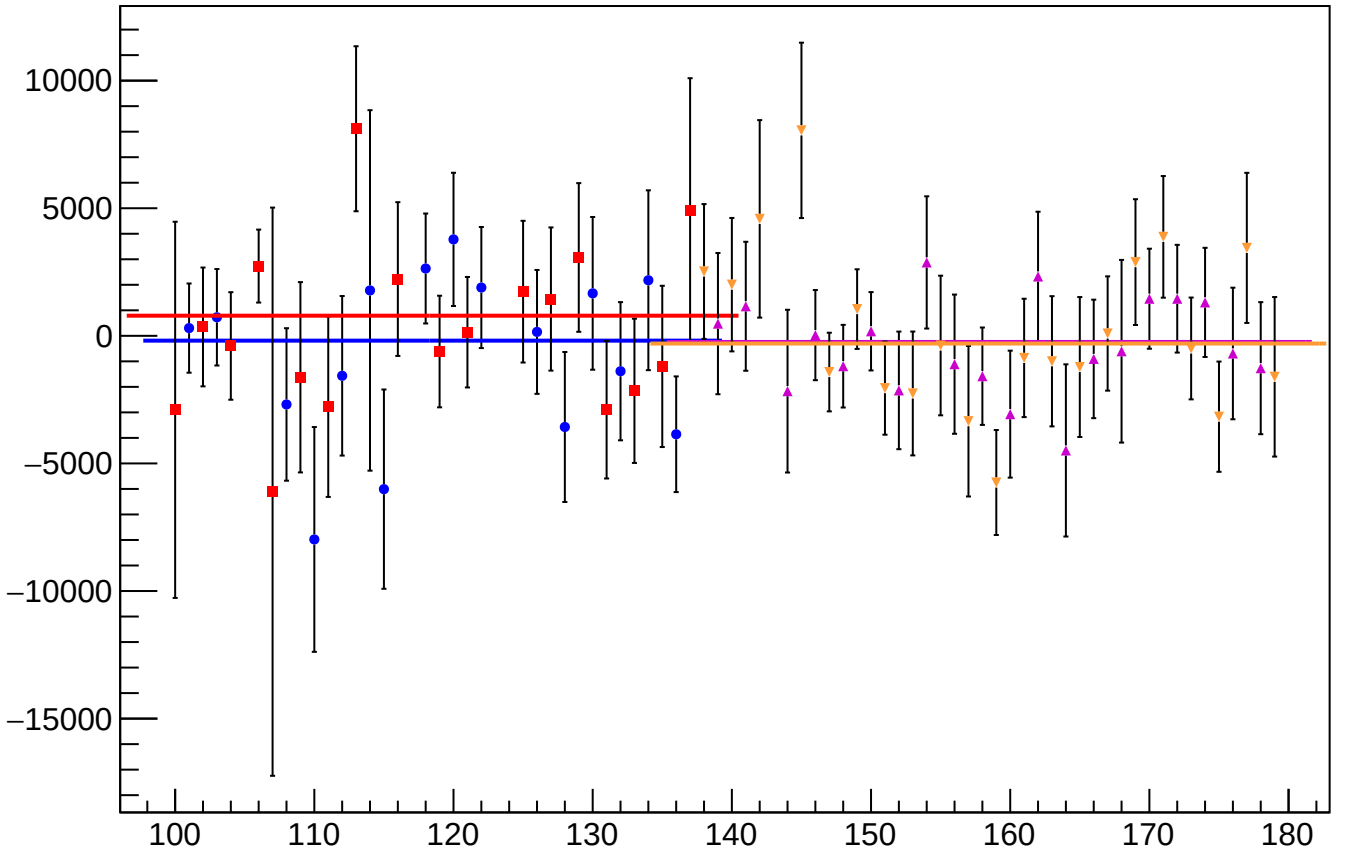
Right Out: 2330.200+/-0.616 χ^2/NDF: 151210.5/17

Left In: 2188.344+/-0.383 χ^2/NDF:1887.1/19

+ sign 2220.991+/-0.323 χ^2/NDF: 543673.9/36

All: 2224.396+/-0.229 χ^2/NDF: 735246.8/74

- sign 2227.846+/-0.325 χ^2/NDF: 191349.2/37



Right In: -188.660+/-658.334 χ^2/NDF: 16.4/15

Left Out: -302.483+/-504.816 χ^2/NDF:28.9/20

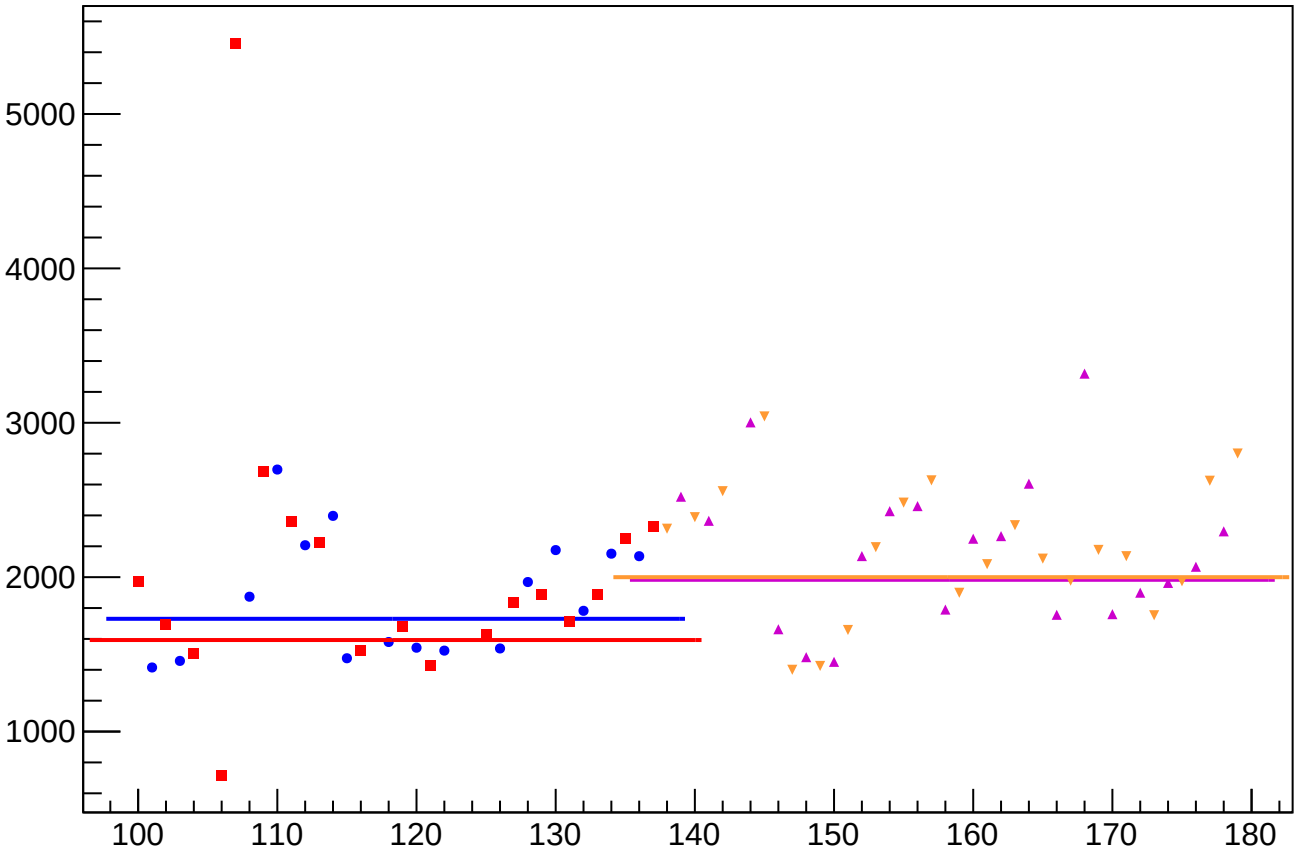
Right Out: 789.317+/-634.900 χ^2/NDF: 14.9/17

Left In: -239.549+/-504.464 χ^2/NDF:10.0/19

+ sign -260.337+/-400.598 χ^2/NDF: 45.4/36

All: -47.893+/-281.253 χ^2/NDF: 72.5/74

- sign 158.621+/-394.967 χ^2/NDF: 26.5/37



Right In: 1730.288+/-0.466 χ^2/NDF: 478932.0/15

Left Out: 1999.886+/-0.357 χ^2/NDF:1423304.9/20

Right Out: 1592.824+/-0.449 χ^2/NDF: 1556204.8/17

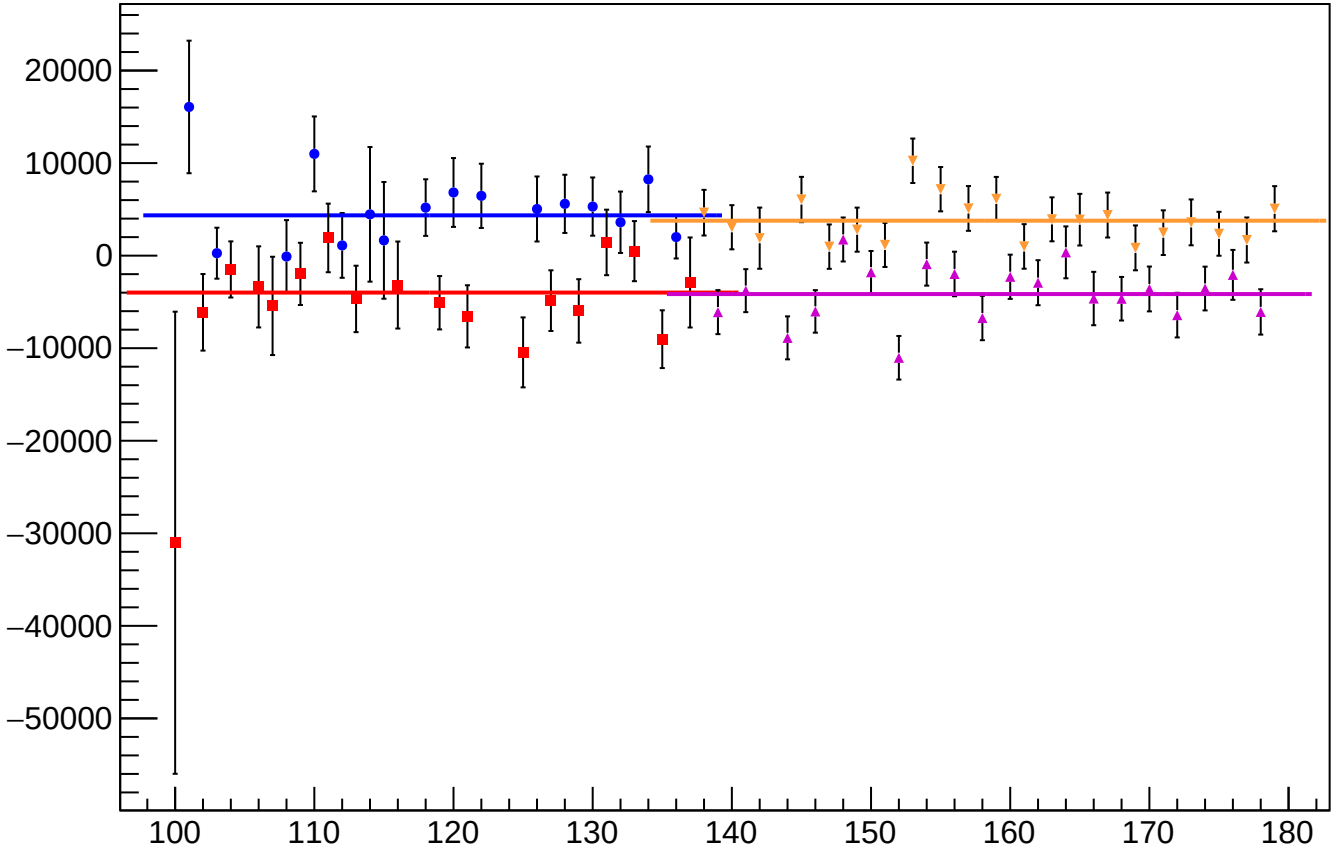
Left In: 1983.000+/-0.357 χ^2/NDF:1446119.7/19

+ sign 1900.061+/-0.283 χ^2/NDF: 2113451.8/36

All: 1865.550+/-0.199 χ^2/NDF: 5608070.7/74

- sign 1832.003+/-0.279 χ^2/NDF: 3465347.2/37

cor_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4353.670+/-875.155 χ^2/NDF: 13.4/15

Left Out: 3774.880+/-535.445 χ^2/NDF:19.3/20

Right Out: -3989.884+/-871.455 χ^2/NDF: 16.1/17

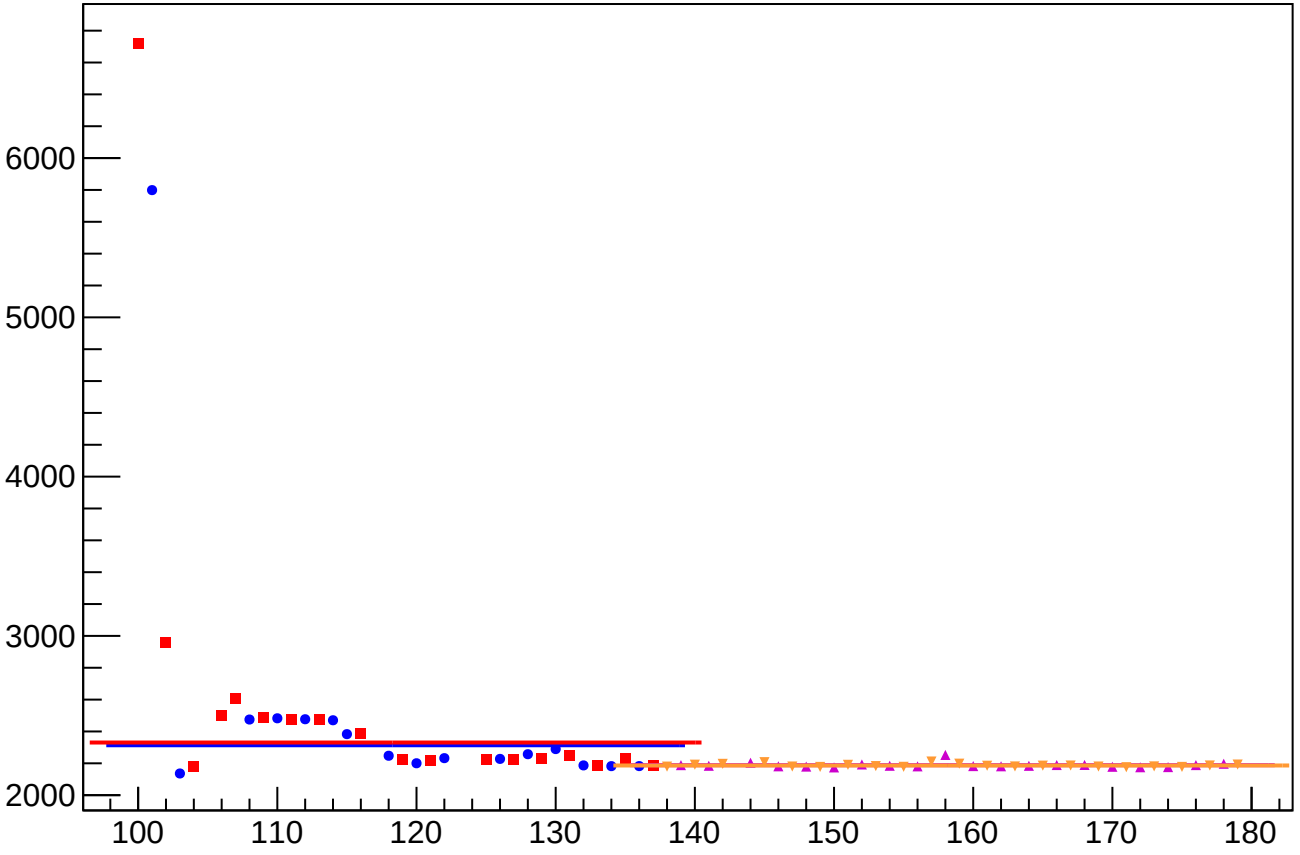
Left In: -4151.371+/-541.283 χ^2/NDF:30.9/19

+ sign 3932.528+/-456.740 χ^2/NDF: 32.9/36

All: -60.050+/-324.042 χ^2/NDF: 233.9/74

- sign -4106.414+/-459.806 χ^2/NDF: 47.1/37

cor_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2313.413+/-0.619 χ^2/NDF: 512372.3/15

Left Out: 2186.394+/-0.379 χ^2/NDF:646.7/20

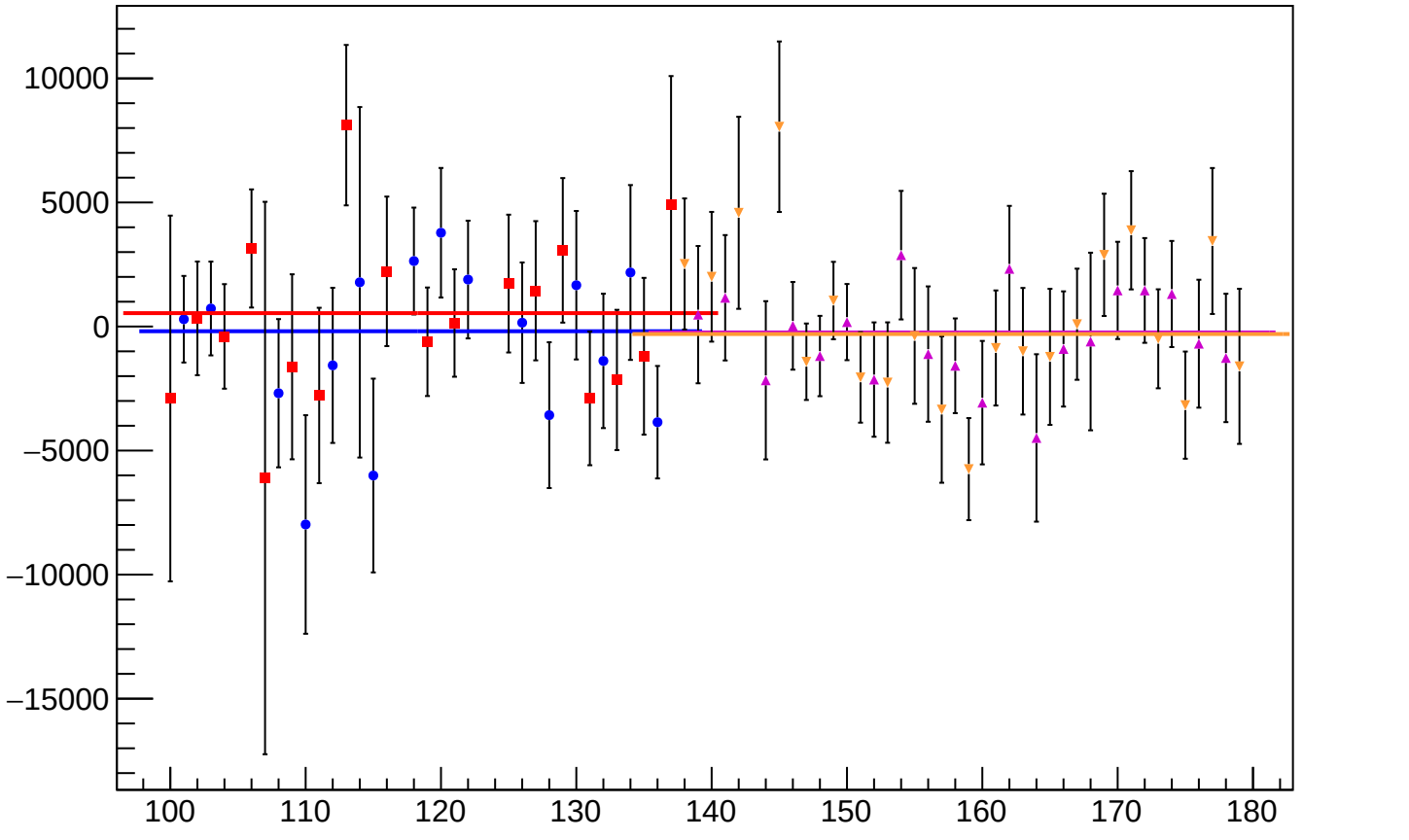
Right Out: 2330.570+/-0.616 χ^2/NDF: 151556.6/17

Left In: 2188.344+/-0.383 χ^2/NDF:1887.1/19

+ sign 2220.991+/-0.323 χ^2/NDF: 543674.2/36

All: 2224.442+/-0.229 χ^2/NDF: 735789.3/74

- sign 2227.939+/-0.325 χ^2/NDF: 191885.2/37



Right In: -189.762+/-658.205 χ^2/NDF: 16.4/15

Left Out: -302.572+/-504.815 χ^2/NDF:28.9/20

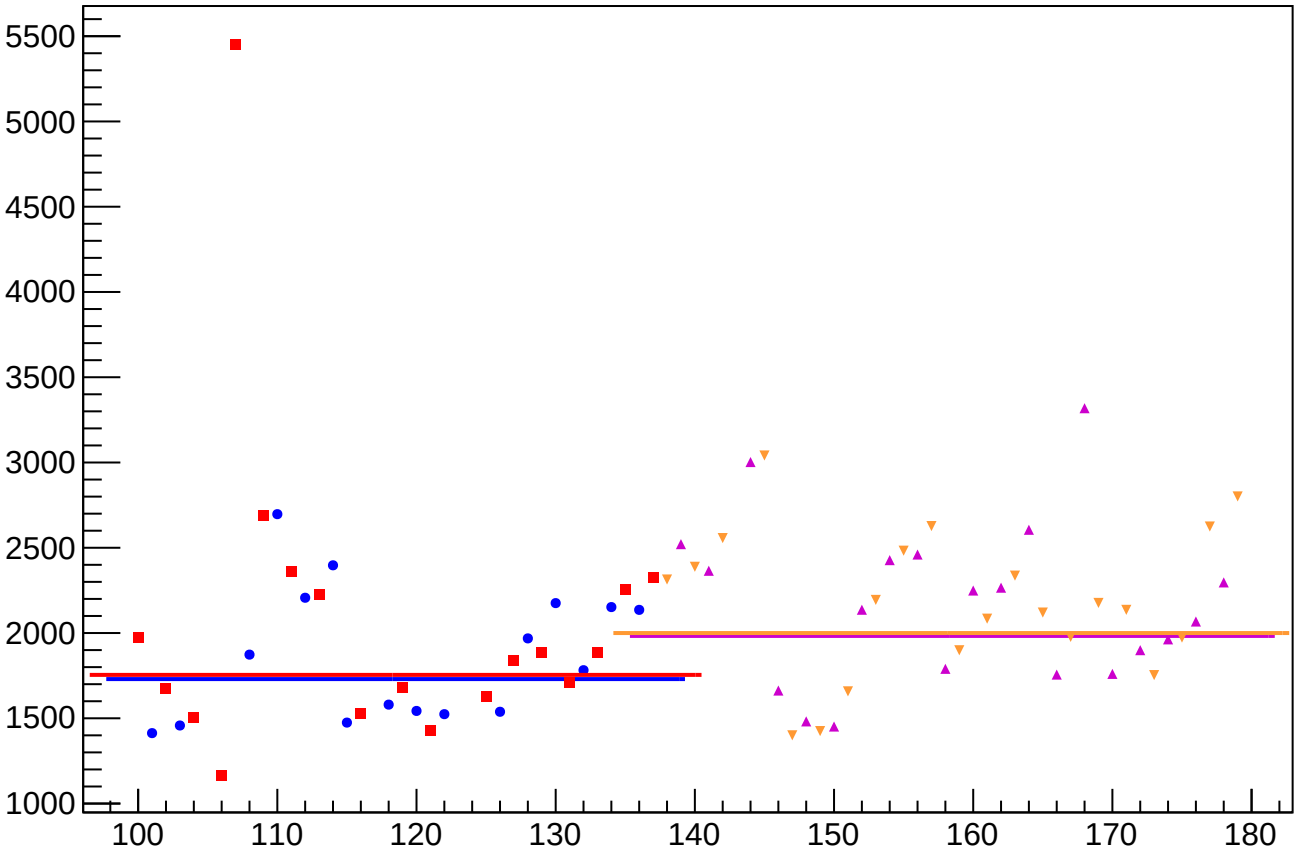
Right Out: 539.517+/-678.214 χ^2/NDF: 13.9/17

Left In: -239.643+/-504.465 χ^2/NDF:10.0/19

+ sign -260.791+/-400.568 χ^2/NDF: 45.4/36

All: -113.010+/-284.719 χ^2/NDF: 70.4/74

- sign 37.888+/-404.771 χ^2/NDF: 24.8/37



Right In: 1729.898+/-0.465 χ^2/NDF: 479898.2/15

Left Out: 1999.882+/-0.357 χ^2/NDF:1423358.6/20

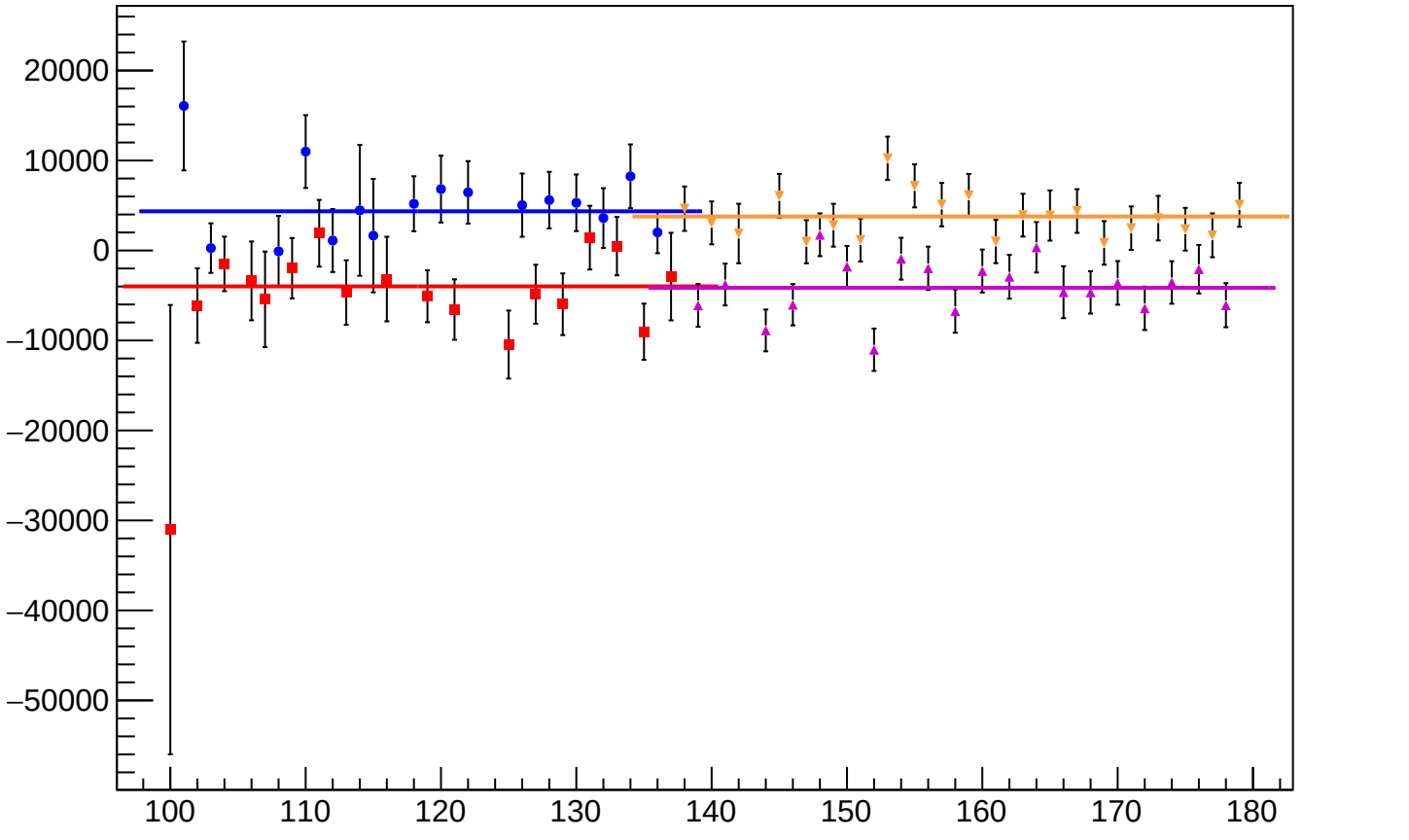
Right Out: 1754.526+/-0.480 χ^2/NDF: 751010.0/17

Left In: 1983.006+/-0.357 χ^2/NDF:1446143.0/19

+ sign 1899.889+/-0.283 χ^2/NDF: 2115128.0/36

All: 1900.747+/-0.201 χ^2/NDF: 4458432.7/74

- sign 1901.624+/-0.286 χ^2/NDF: 2343286.1/37



Right In: 4353.670+/-875.155 χ^2/NDF: 13.4/15

Left Out: 3774.880+/-535.445 χ^2/NDF:19.3/20

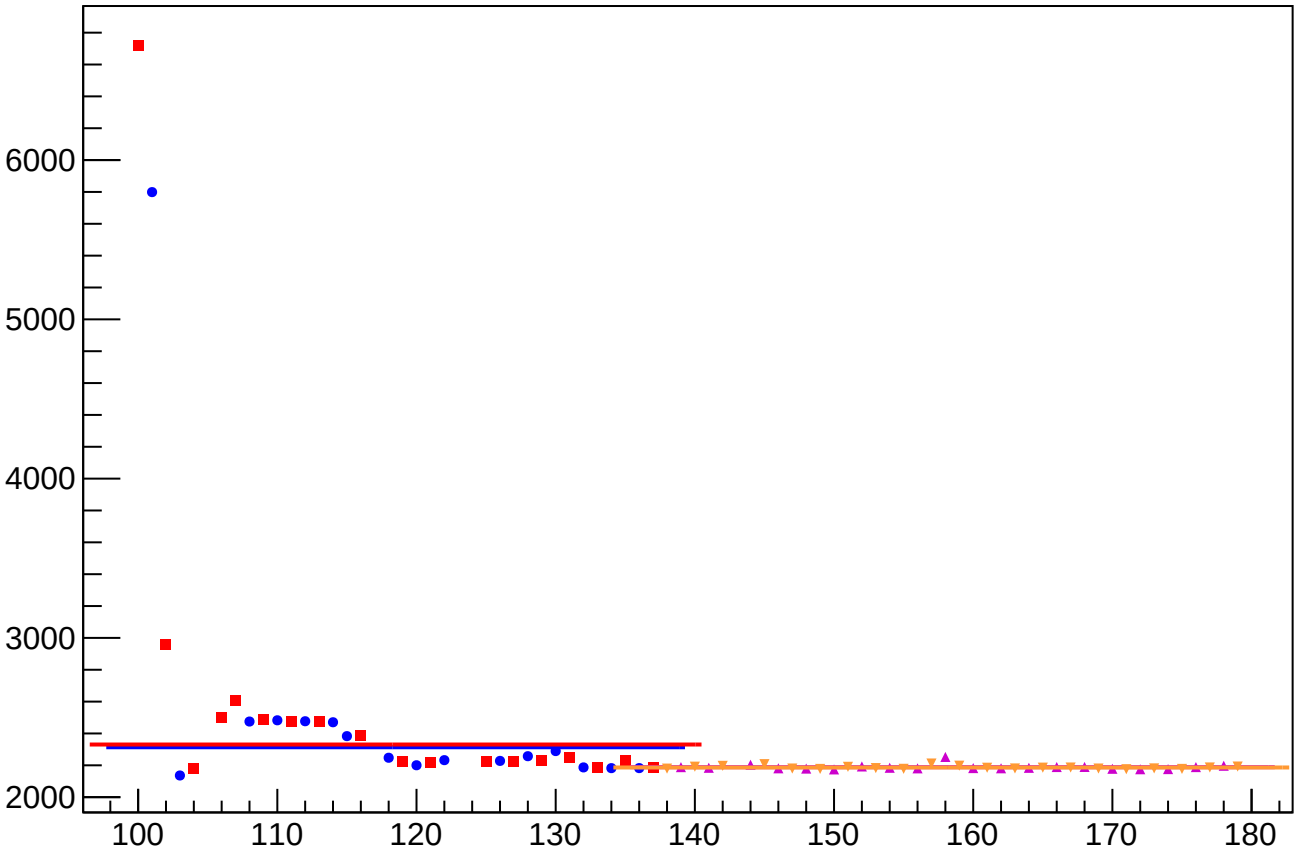
Right Out: -3989.884+/-871.455 χ^2/NDF: 16.1/17

Left In: -4151.371+/-541.283 χ^2/NDF:30.9/19

+ sign 3932.528+/-456.740 χ^2/NDF: 32.9/36

All: -60.050+/-324.042 χ^2/NDF: 233.9/74

- sign -4106.414+/-459.806 χ^2/NDF: 47.1/37



Right In: 2313.413+/-0.619 χ^2/NDF: 512372.3/15

Left Out: 2186.394+/-0.379 χ^2/NDF:646.7/20

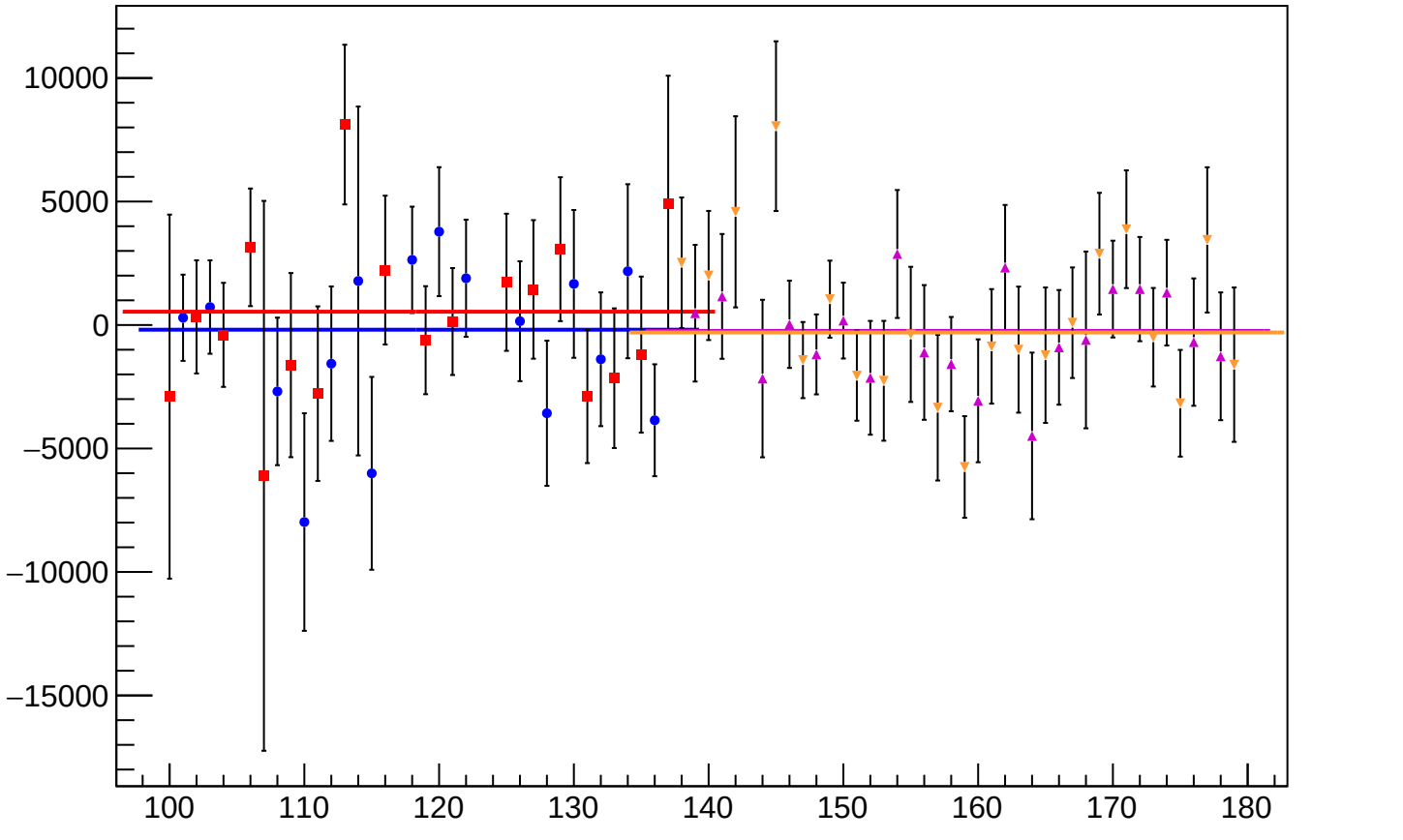
Right Out: 2330.570+/-0.616 χ^2/NDF: 151556.6/17

Left In: 2188.344+/-0.383 χ^2/NDF:1887.1/19

+ sign 2220.991+/-0.323 χ^2/NDF: 543674.2/36

All: 2224.442+/-0.229 χ^2/NDF: 735789.3/74

- sign 2227.939+/-0.325 χ^2/NDF: 191885.2/37



Right In: -189.762+/-658.205 χ^2/NDF: 16.4/15

Left Out: -302.572+/-504.815 χ^2/NDF:28.9/20

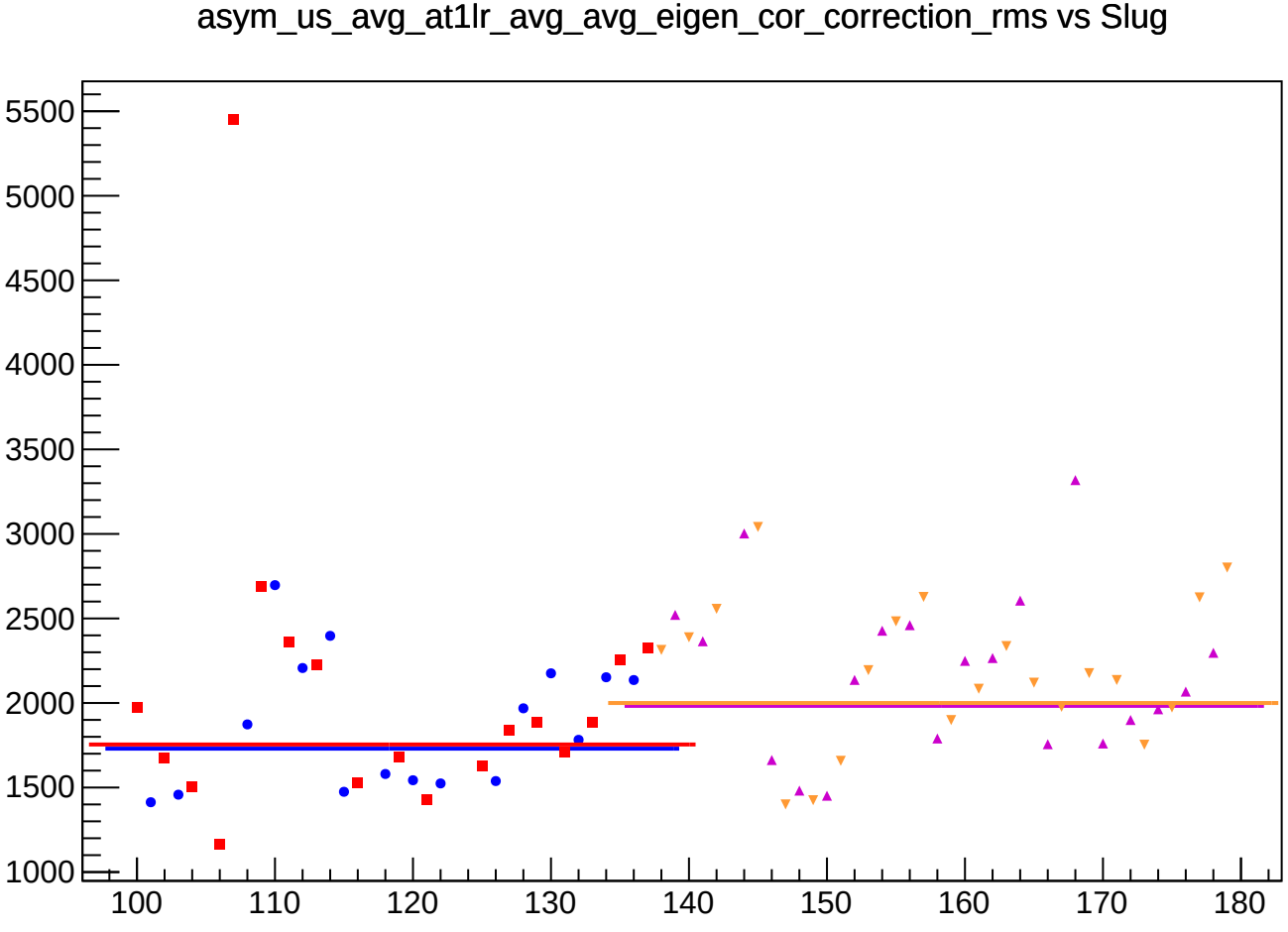
Right Out: 539.517+/-678.214 χ^2/NDF: 13.9/17

Left In: -239.643+/-504.465 χ^2/NDF:10.0/19

+ sign -260.791+/-400.568 χ^2/NDF: 45.4/36

All: -113.010+/-284.719 χ^2/NDF: 70.4/74

- sign 37.888+/-404.771 χ^2/NDF: 24.8/37



Right In: 1729.898+/-0.465 χ^2/NDF: 479898.2/15

Left Out: 1999.882+/-0.357 χ^2/NDF:1423358.6/20

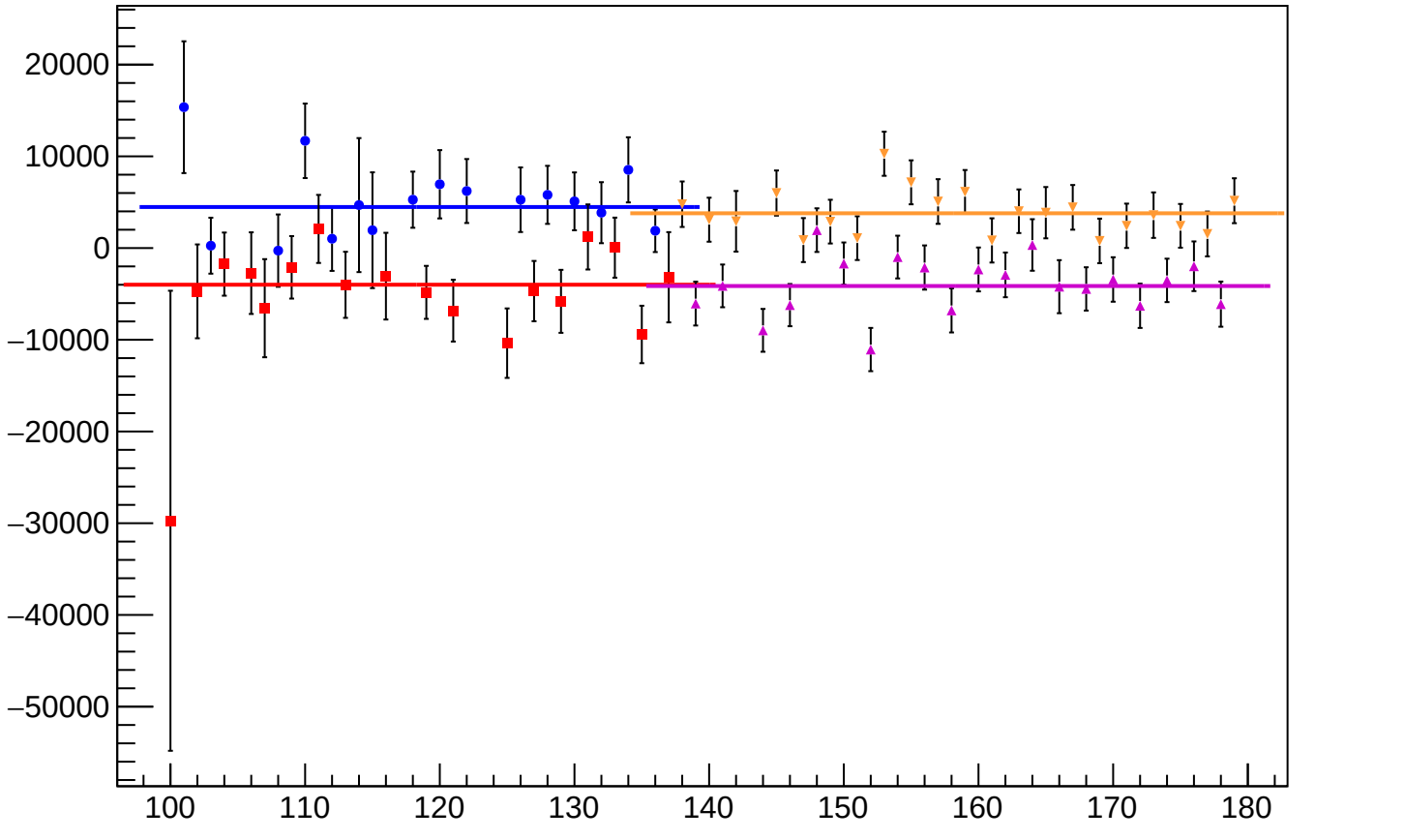
Right Out: 1754.526+/-0.480 χ^2/NDF: 751010.0/17

Left In: 1983.006+/-0.357 χ^2/NDF:1446143.0/19

+ sign 1899.889+/-0.283 χ^2/NDF: 2115128.0/36

All: 1900.747+/-0.201 χ^2/NDF: 4458432.7/74

- sign 1901.624+/-0.286 χ^2/NDF: 2343286.1/37



Right In: 4476.431+/-886.087 χ^2/NDF: 13.5/15

Left Out: 3792.391+/-536.814 χ^2/NDF:19.5/20

Right Out: -3995.807+/-890.441 χ^2/NDF: 15.5/17

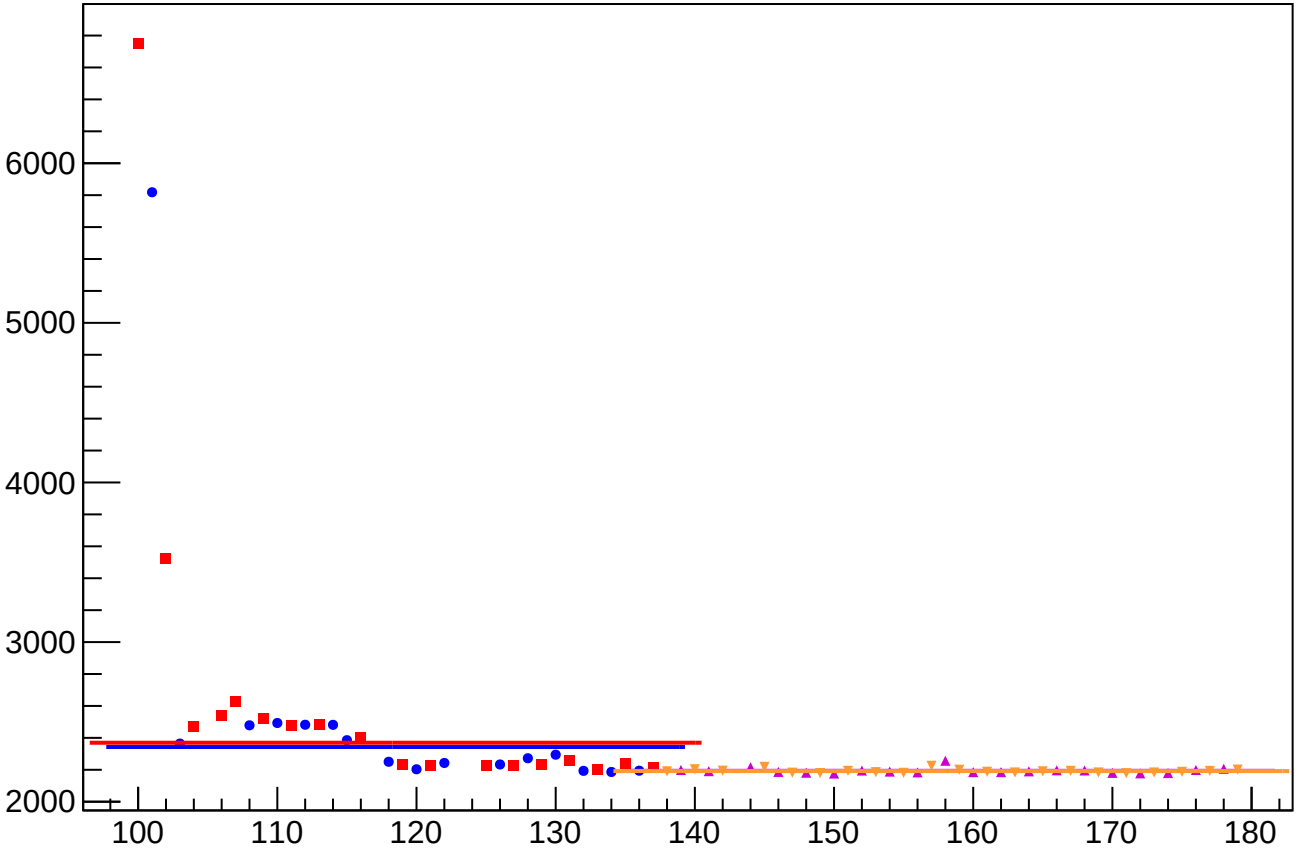
Left In: -4137.835+/-542.575 χ^2/NDF:31.4/19

\+ sign 3976.044+/-459.130 χ^2/NDF: 33.5/36

All: -24.852+/-326.130 χ^2/NDF: 233.7/74

\- sign -4099.380+/-463.335 χ^2/NDF: 46.9/37

dit_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2342.914+/-0.627 χ^2/NDF: 502866.3/15

Left Out: 2191.902+/-0.380 χ^2/NDF:1002.7/20

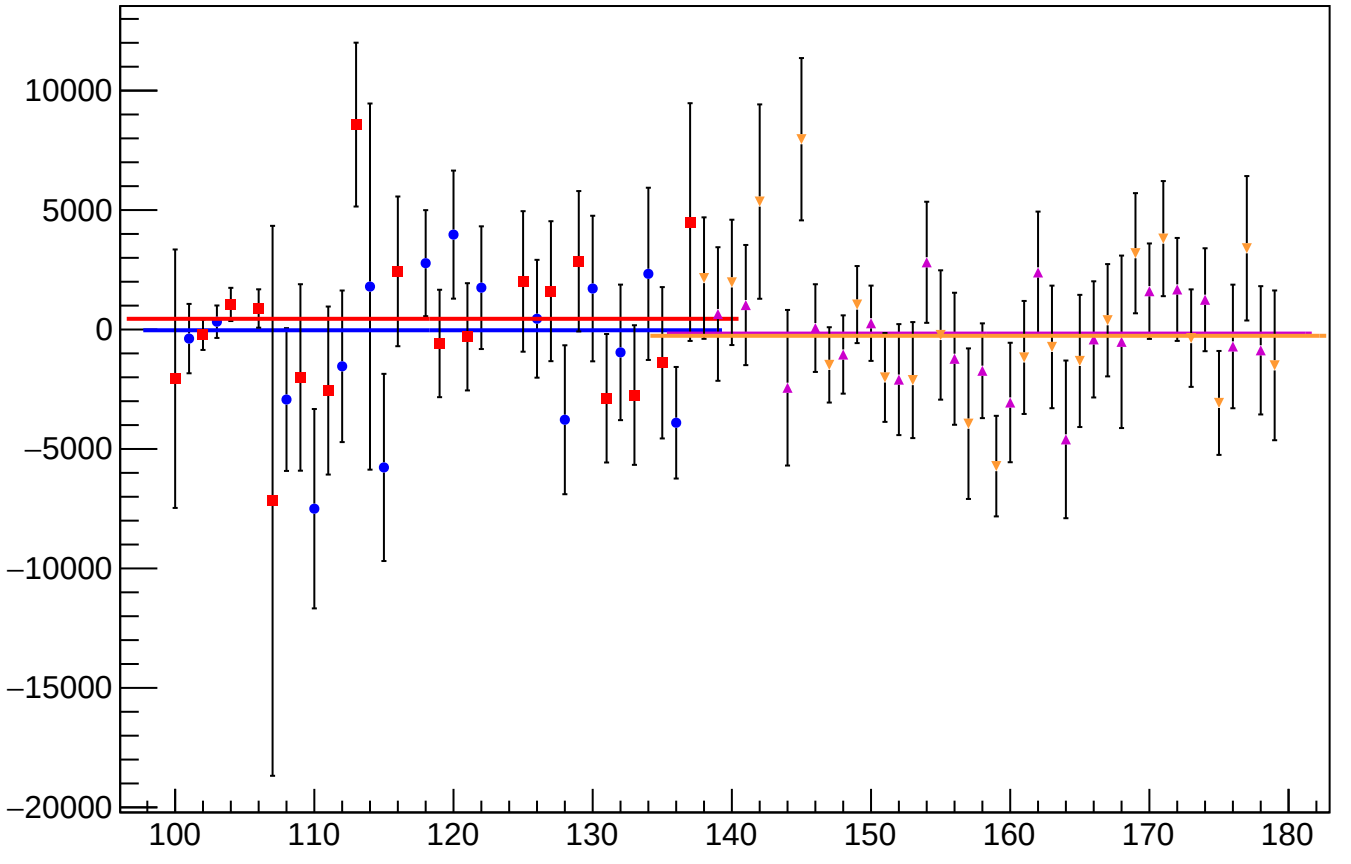
Right Out: 2369.572+/-0.630 χ^2/NDF: 210147.5/17

Left In: 2193.512+/-0.384 χ^2/NDF:2126.0/19

+ sign 2232.446+/-0.325 χ^2/NDF: 546363.0/36

All: 2236.774+/-0.231 χ^2/NDF: 816013.7/74

- sign 2241.182+/-0.328 χ^2/NDF: 269292.0/37



Right In: -31.393+/-485.329 χ^2/NDF: 16.3/15

Left Out: -262.696+/-513.552 χ^2/NDF:28.6/20

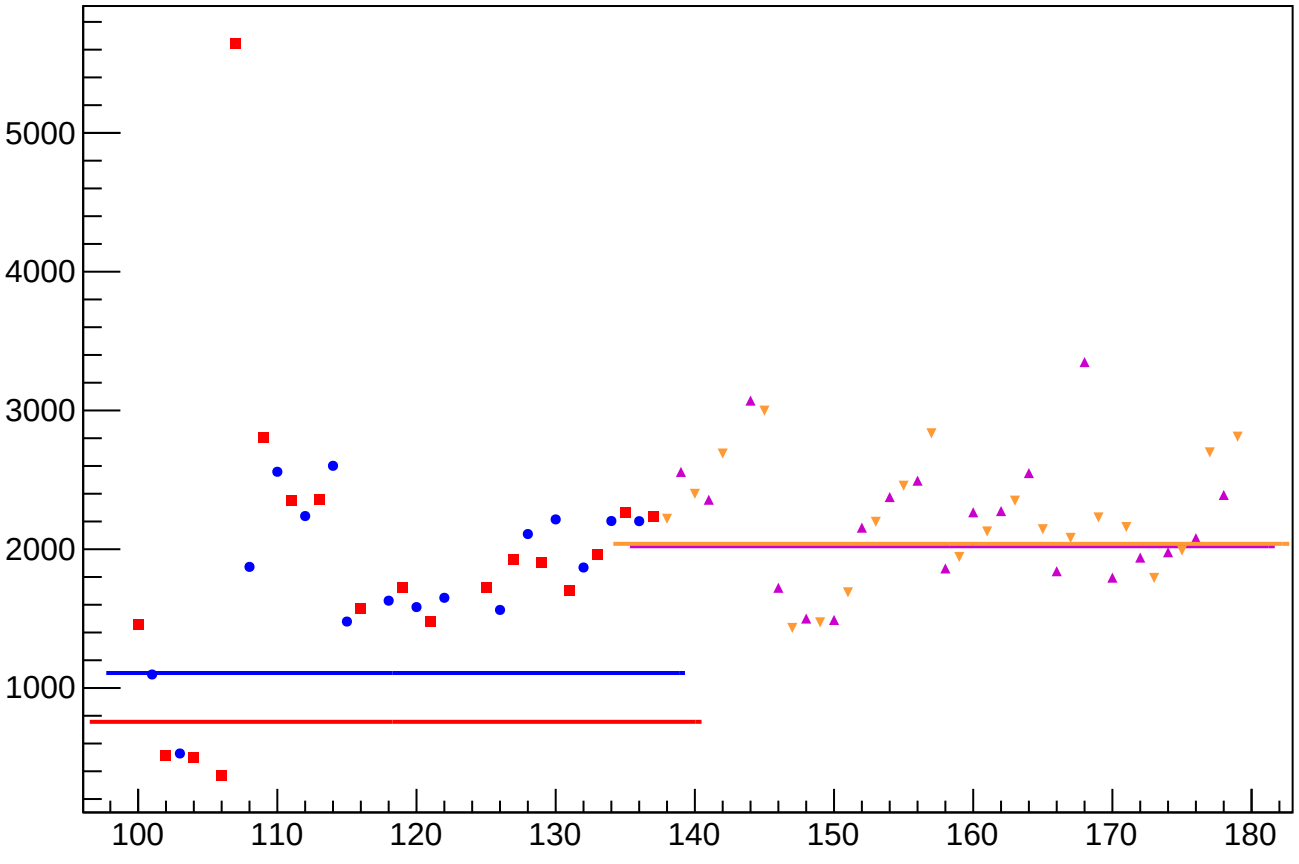
Right Out: 448.261+/-362.570 χ^2/NDF: 15.1/17

Left In: -170.221+/-512.968 χ^2/NDF:10.2/19

+ sign -140.514+/-352.735 χ^2/NDF: 45.1/36

All: 84.019+/-226.778 χ^2/NDF: 72.1/74

- sign 242.216+/-296.079 χ^2/NDF: 26.3/37



Right In: 1108.139+/-0.343 χ^2/NDF: 3746477.0/15

Left Out: 2038.981+/-0.363 χ^2/NDF:1358096.8/20

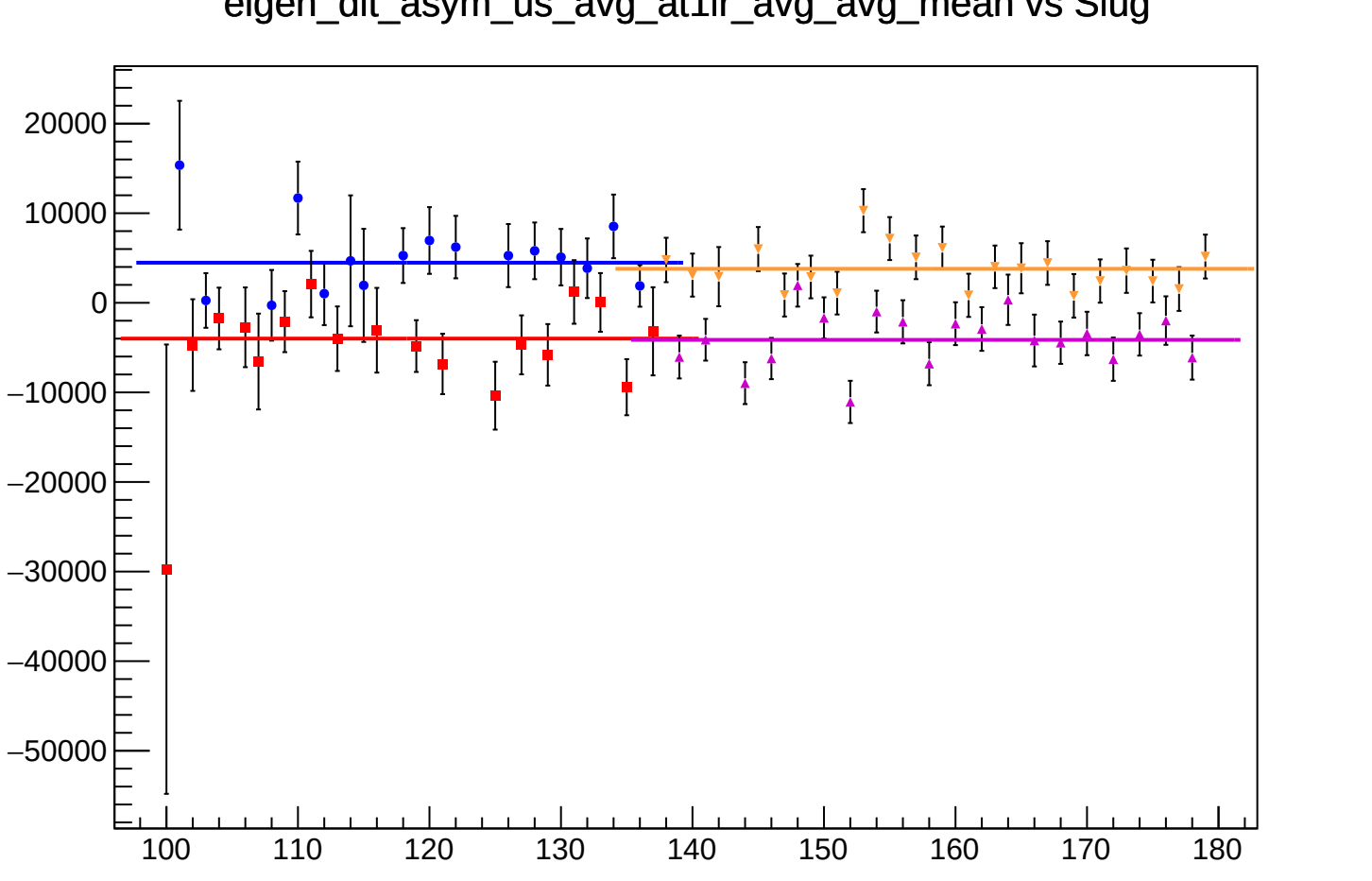
Right Out: 756.419+/-0.256 χ^2/NDF: 5603215.5/17

Left In: 2021.497+/-0.363 χ^2/NDF:1355997.0/19

+ sign 1547.280+/-0.249 χ^2/NDF: 8575436.5/36

All: 1330.564+/-0.160 χ^2/NDF: 24933258.2/7

- sign 1177.875+/-0.209 χ^2/NDF: 15070977.4/37



Right In: 4476.427+/-886.086 χ^2/NDF: 13.5/15

Left Out: 3792.389+/-536.814 χ^2/NDF:19.5/20

Right Out: -3995.803+/-890.441 χ^2/NDF: 15.5/17

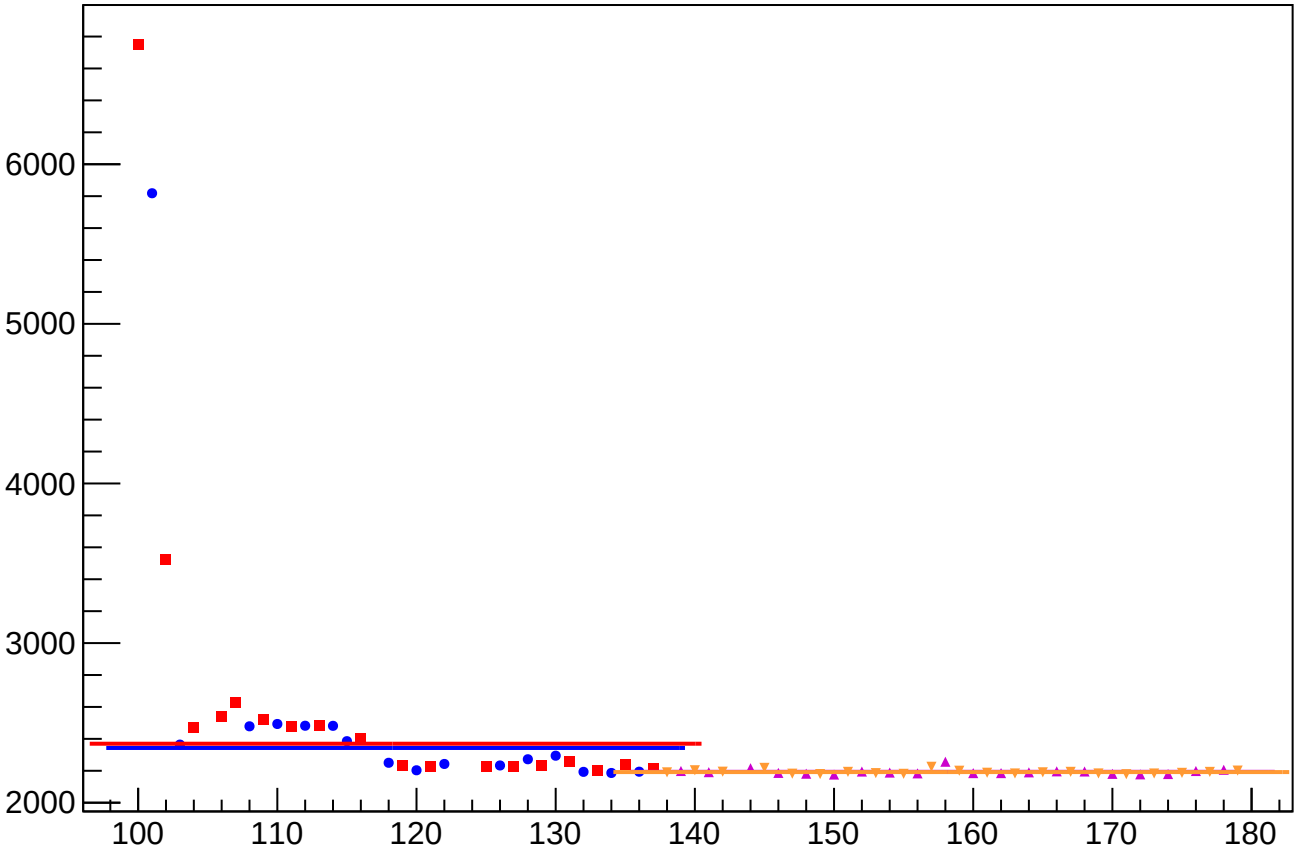
Left In: -4137.837+/-542.575 χ^2/NDF:31.4/19

+ sign 3976.042+/-459.130 χ^2/NDF: 33.5/36

All: -24.853+/-326.130 χ^2/NDF: 233.7/74

- sign -4099.380+/-463.335 χ^2/NDF: 46.9/37

eigen_dit_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2342.913+/-0.627 χ^2/NDF: 502866.3/15

Left Out: 2191.902+/-0.380 χ^2/NDF:1002.7/20

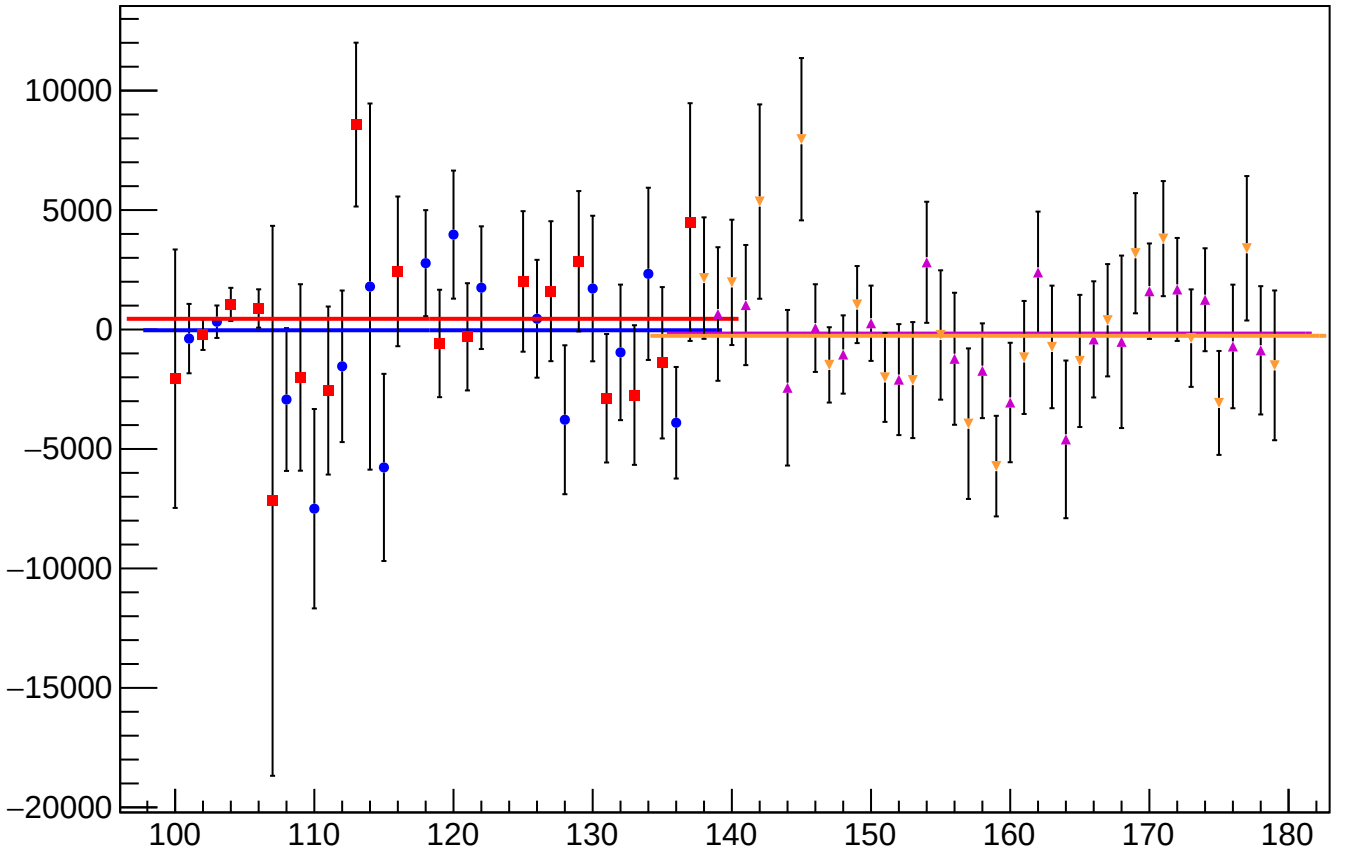
Right Out: 2369.572+/-0.630 χ^2/NDF: 210146.5/17

Left In: 2193.512+/-0.384 χ^2/NDF:2126.1/19

+ sign 2232.446+/-0.325 χ^2/NDF: 546362.7/36

All: 2236.774+/-0.231 χ^2/NDF: 816012.0/74

- sign 2241.182+/-0.328 χ^2/NDF: 269290.5/37



Right In: -31.400+/-485.331 χ^2/NDF: 16.3/15

Left Out: -262.699+/-513.553 χ^2/NDF:28.6/20

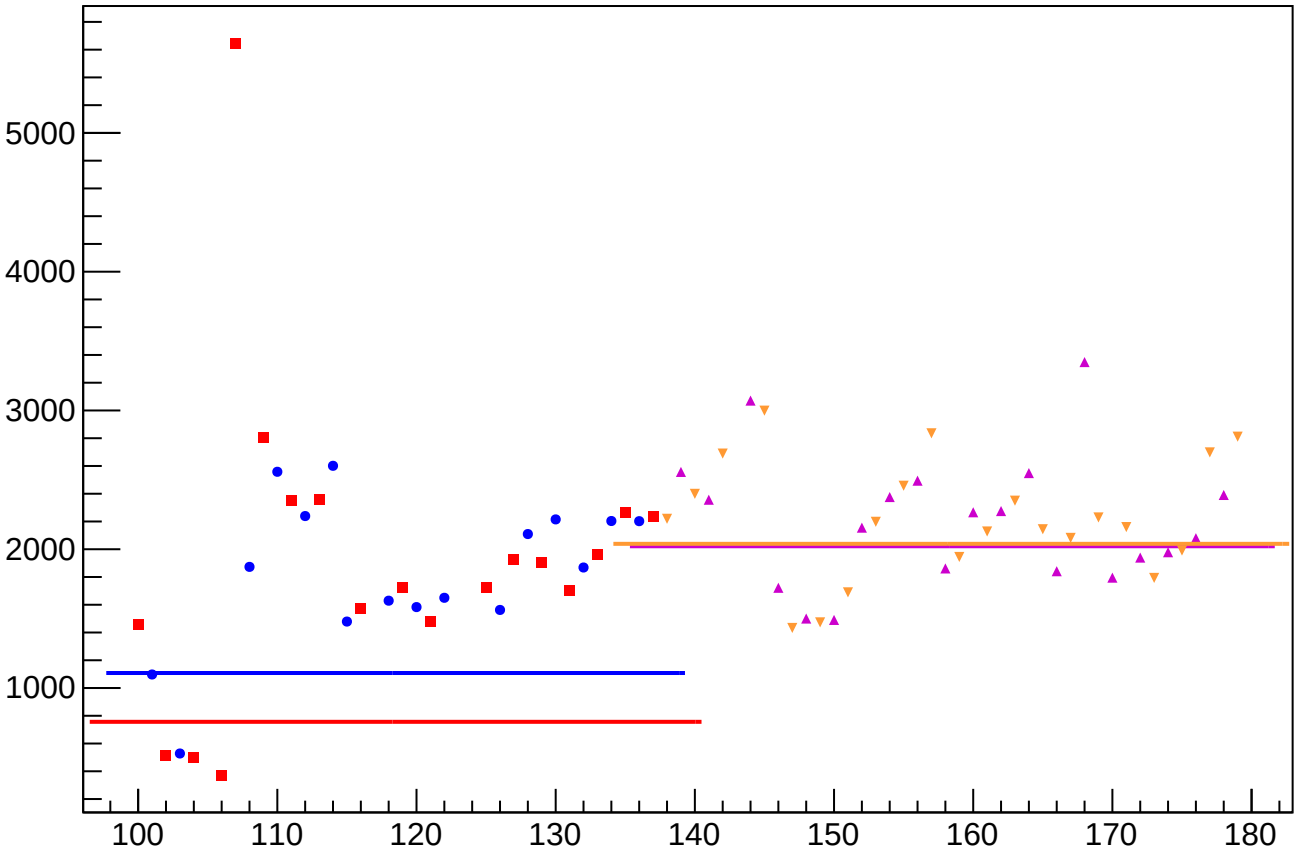
Right Out: 448.265+/-362.575 χ^2/NDF: 15.1/17

Left In: -170.222+/-512.969 χ^2/NDF:10.2/19

\+ sign -140.520+/-352.736 χ^2/NDF: 45.1/36

All: 84.015+/-226.780 χ^2/NDF: 72.1/74

\- sign 242.215+/-296.082 χ^2/NDF: 26.3/37



Right In: 1108.149+/-0.343 χ^2/NDF: 3746402.0/15

Left Out: 2038.985+/-0.363 χ^2/NDF:1358096.1/20

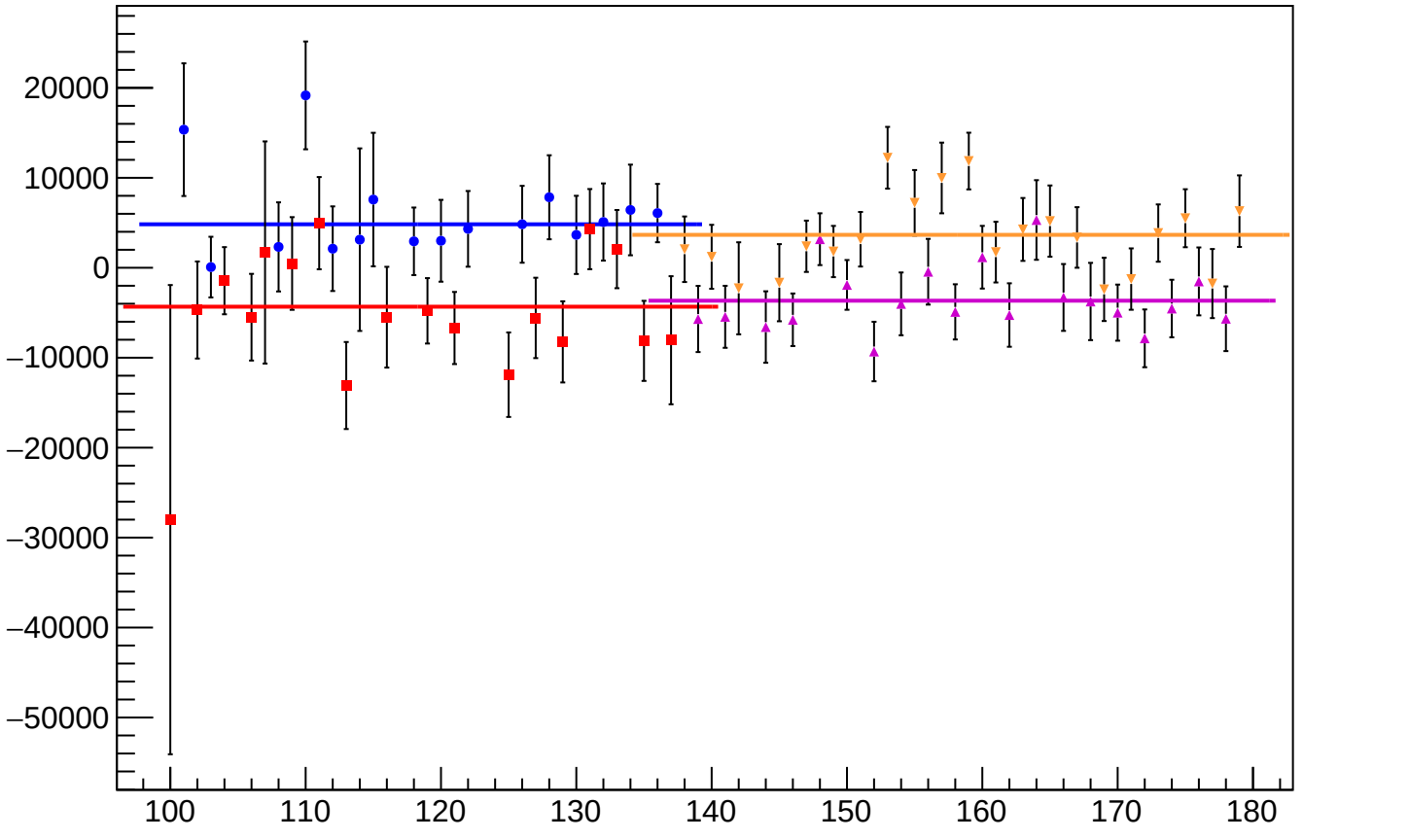
Right Out: 756.434+/-0.256 χ^2/NDF: 5603097.5/17

Left In: 2021.501+/-0.363 χ^2/NDF:1355995.7/19

+ sign 1547.288+/-0.249 χ^2/NDF: 8575291.2/36

All: 1330.579+/-0.160 χ^2/NDF: 24932678.4/7

- sign 1177.892+/-0.209 χ^2/NDF: 15070621.4/37



Right In: 4833.806+/-1142.535 χ^2/NDF: 11.7/15

Left Out: 3659.580+/-757.717 χ^2/NDF:29.1/20

Right Out: -4328.601+/-1144.541 χ^2/NDF: 19.9/17

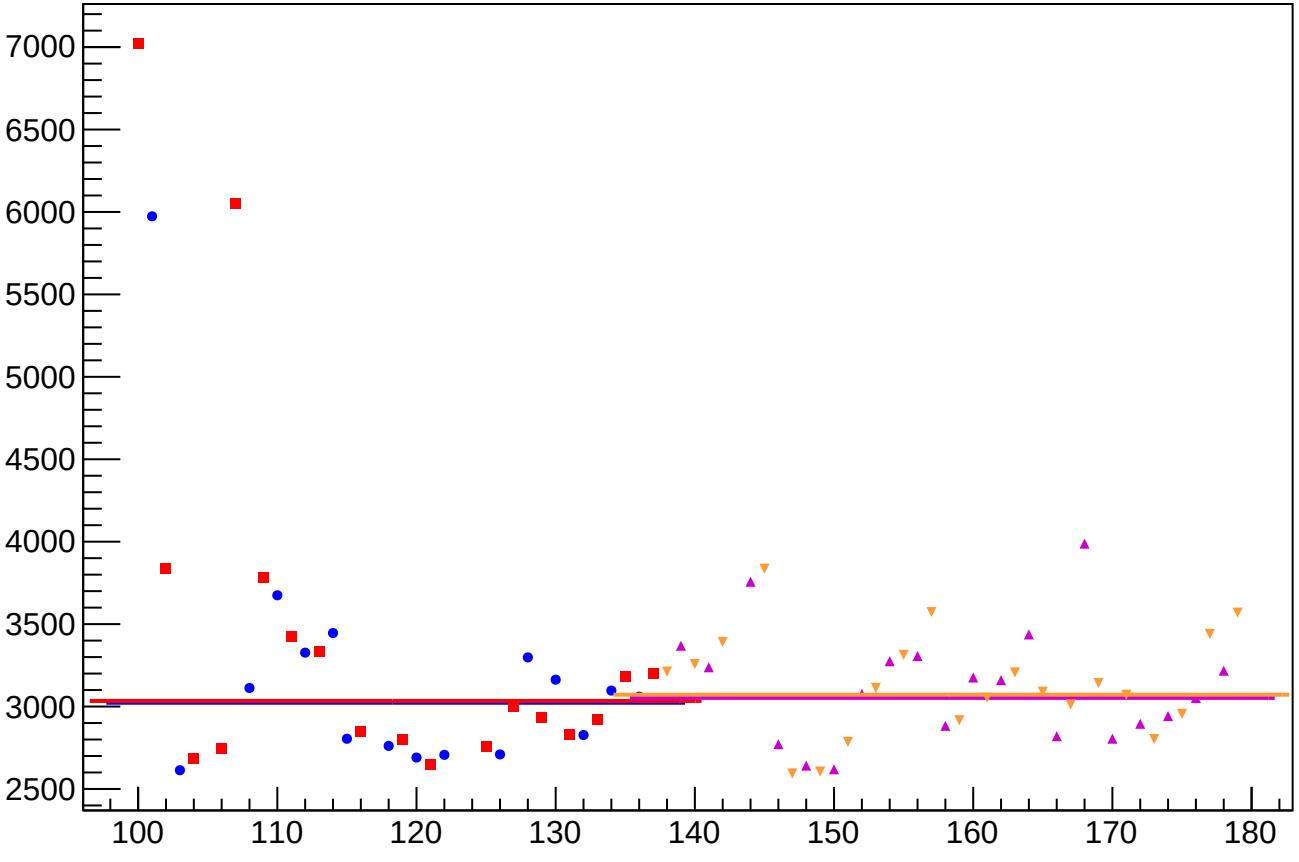
Left In: -3661.467+/-760.407 χ^2/NDF:20.4/19

+ sign 4018.269+/-631.470 χ^2/NDF: 41.5/36

All: 88.068+/-447.185 χ^2/NDF: 159.7/74

- sign -3865.762+/-633.366 χ^2/NDF: 40.5/37

asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 3023.068+/-0.808 χ^2/NDF: 443705.8/15

Left Out: 3071.873+/-0.536 χ^2/NDF:324898.9/20

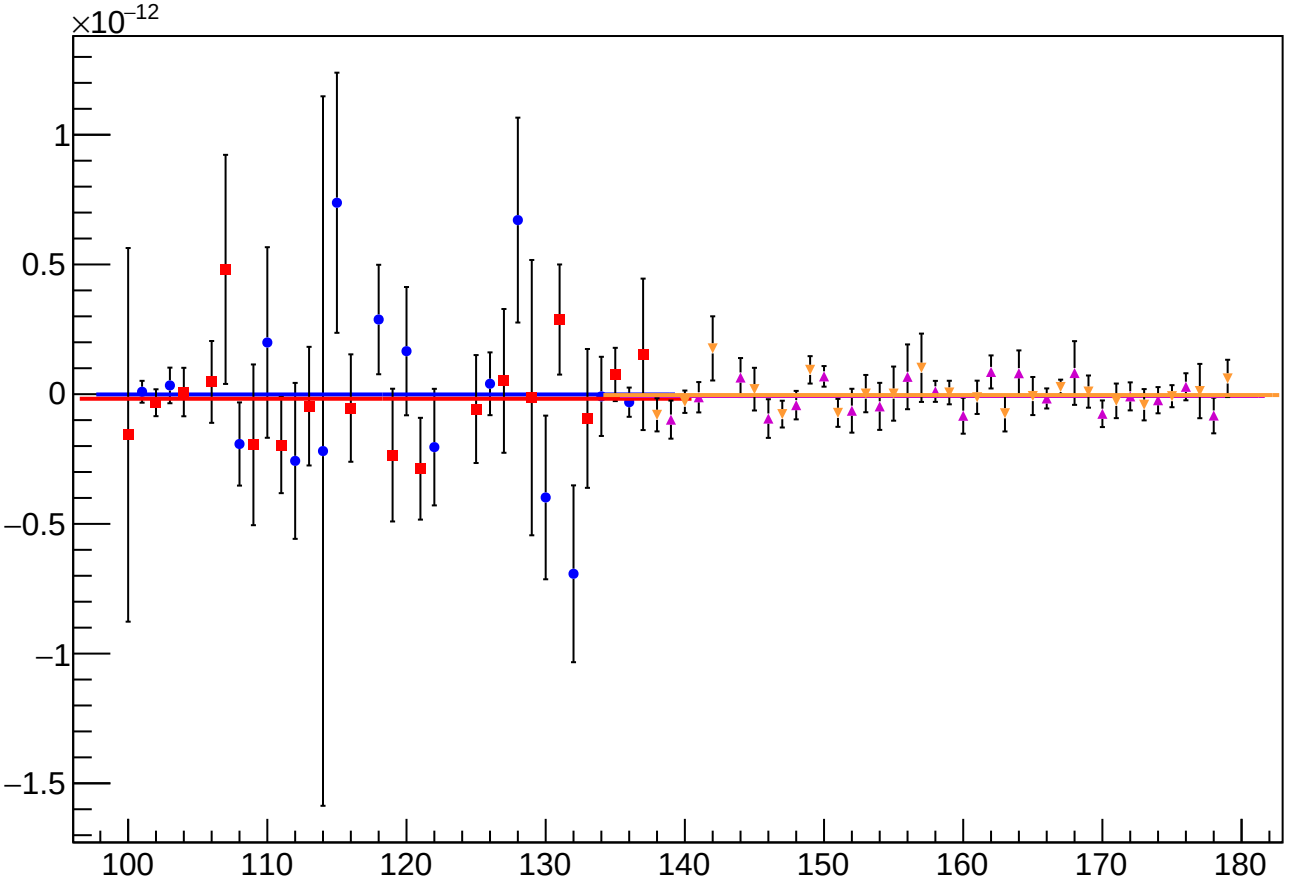
Right Out: 3033.869+/-0.809 χ^2/NDF: 342674.7/17

Left In: 3052.476+/-0.538 χ^2/NDF:361819.5/19

+ sign 3056.965+/-0.447 χ^2/NDF: 771139.3/36

All: 3051.887+/-0.316 χ^2/NDF: 1476259.7/74

- sign 3046.778+/-0.448 χ^2/NDF: 704861.0/37



Right In: -0.000+/-0.000 χ^2/NDF: 17.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.3/20

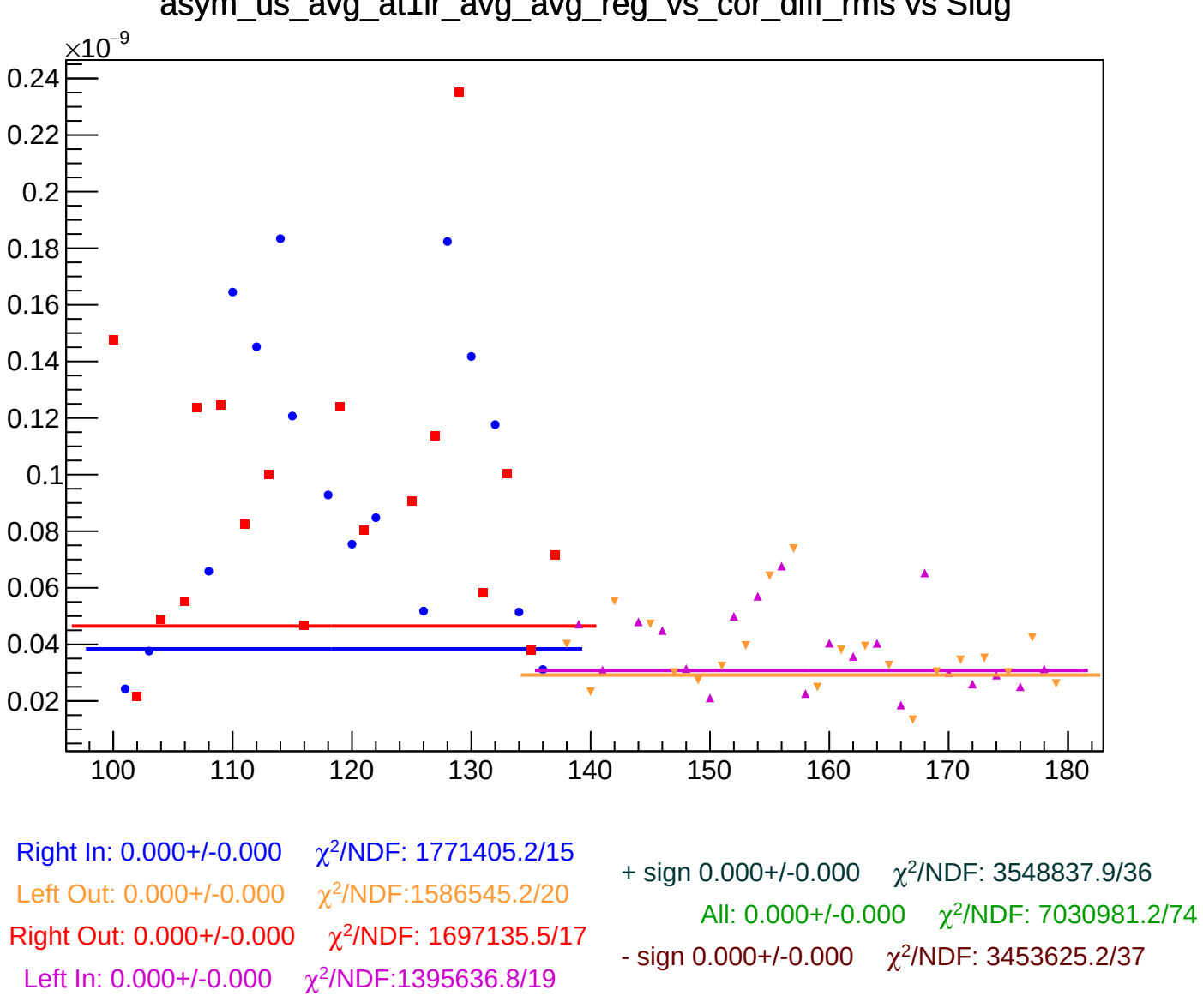
Right Out: -0.000+/-0.000 χ^2/NDF: 9.0/17

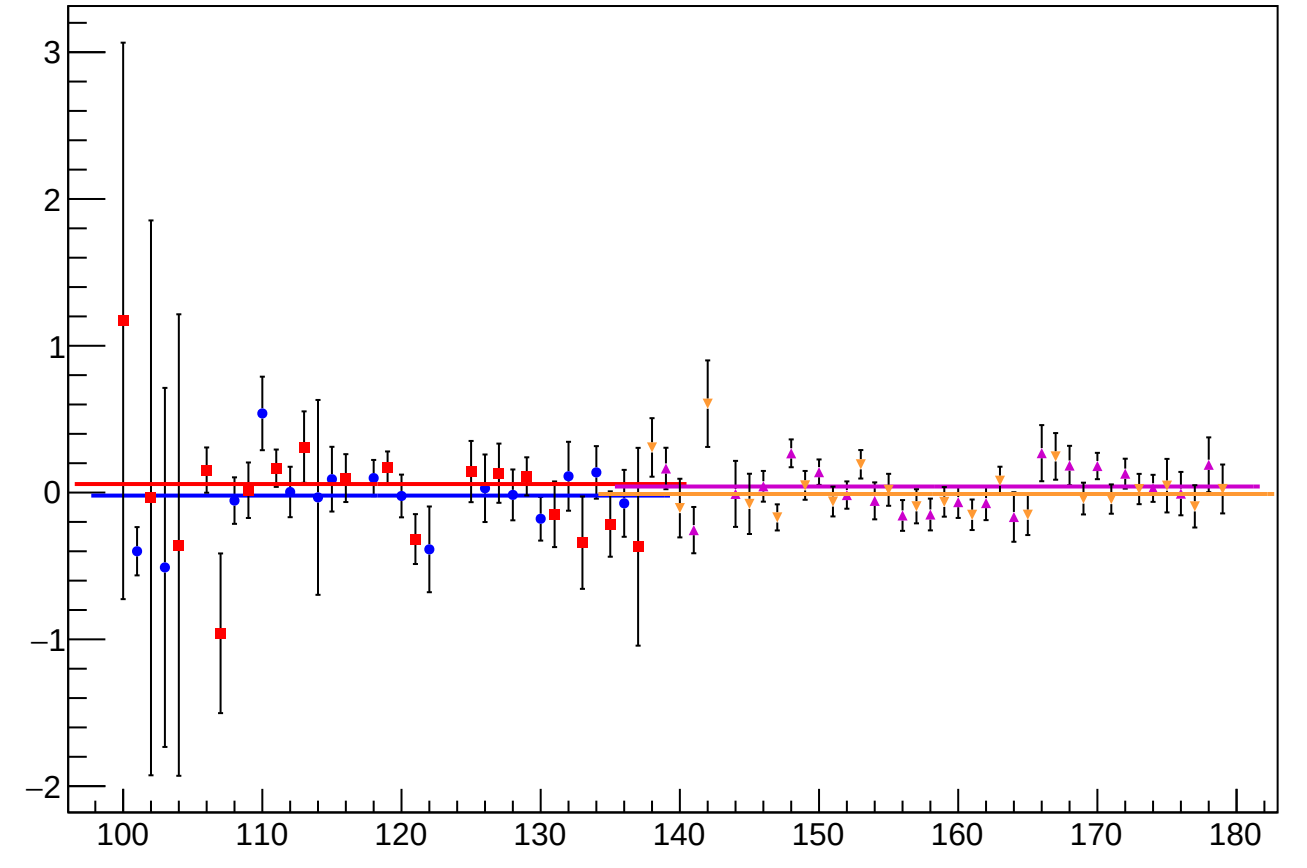
Left In: -0.000+/-0.000 χ^2/NDF:17.5/19

+ sign -0.000+/-0.000 χ^2/NDF: 32.4/36

All: -0.000+/-0.000 χ^2/NDF: 59.1/74

- sign -0.000+/-0.000 χ^2/NDF: 26.6/37


asym_us_avg_at1lr_avg_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1771405.2/15
Left Out: 0.000+/-0.000 χ²/NDF:1586545.2/20
Right Out: 0.000+/-0.000 χ²/NDF: 1697135.5/17
Left In: 0.000+/-0.000 χ²/NDF:1395636.8/19
+ sign 0.000+/-0.000 χ²/NDF: 3548837.9/36
All: 0.000+/-0.000 χ²/NDF: 7030981.2/74
- sign 0.000+/-0.000 χ²/NDF: 3453625.2/37



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: -0.010+/-0.026 χ^2/NDF:23.4/20

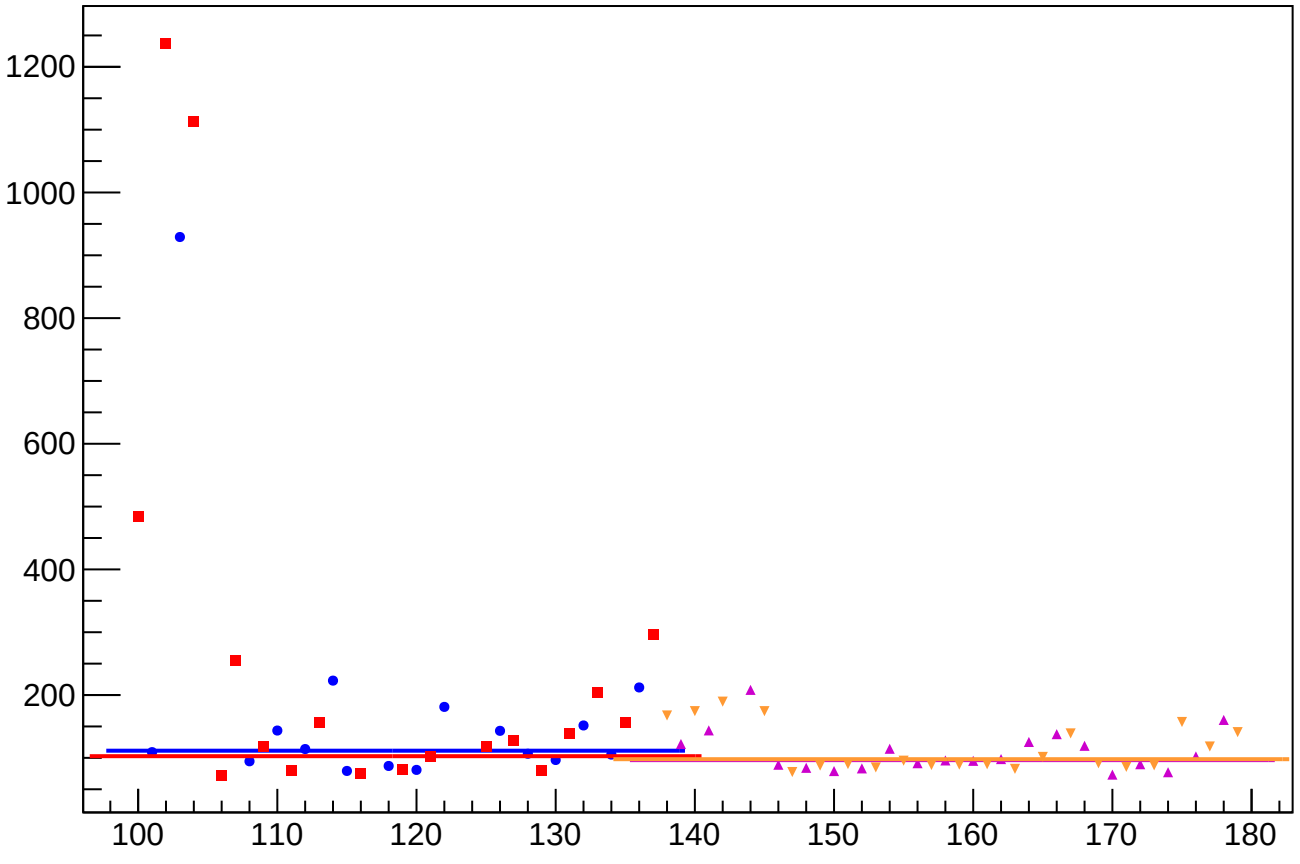
Right Out: 0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: 0.041+/-0.026 χ^2/NDF:28.8/19

\+ sign -0.012+/-0.023 χ^2/NDF: 39.1/36

All: 0.017+/-0.016 χ^2/NDF: 88.1/74

\- sign 0.045+/-0.023 χ^2/NDF: 45.8/37



Right In: 111.407+/-0.034 χ^2/NDF: 1839361.2/15

Left Out: 97.884+/-0.018 χ^2/NDF:1849008.0/20

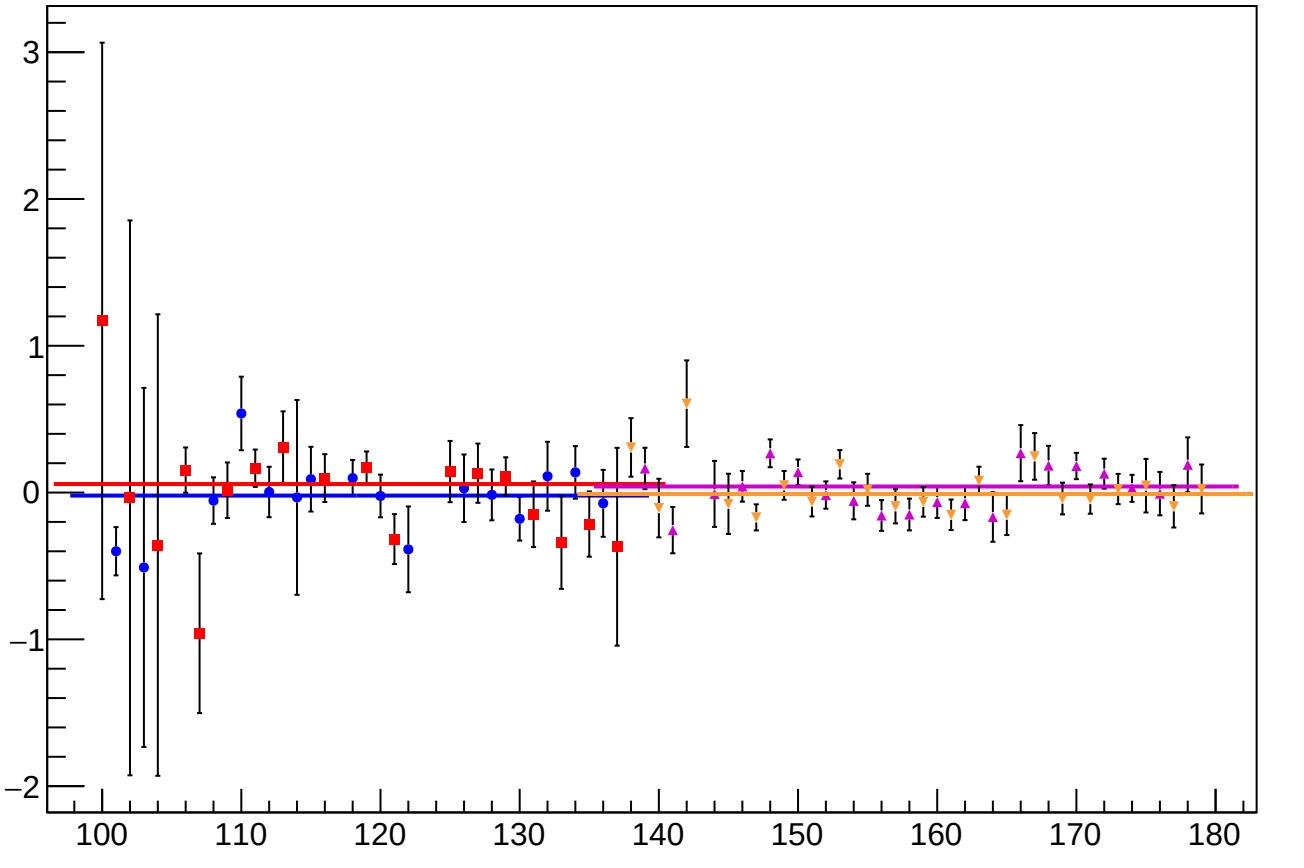
Right Out: 102.673+/-0.033 χ^2/NDF: 2826852.7/17

Left In: 96.399+/-0.018 χ^2/NDF:1626749.1/19

+ sign 101.014+/-0.016 χ^2/NDF: 3812274.3/36

All: 99.430+/-0.011 χ^2/NDF: 8312611.7/74

- sign 97.888+/-0.016 χ^2/NDF: 4481483.1/37



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: -0.010+/-0.026 χ^2/NDF:23.4/20

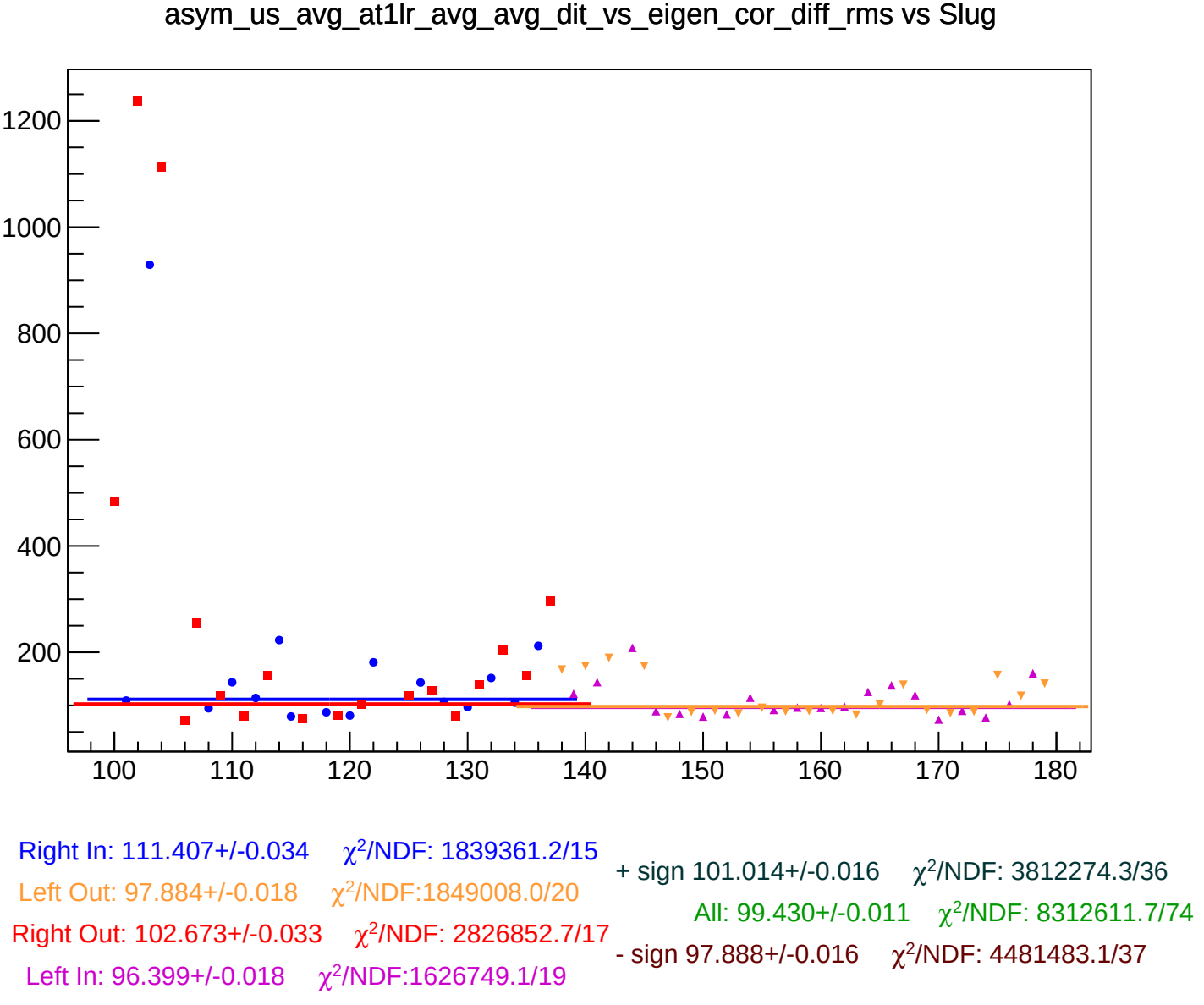
Right Out: 0.058+/-0.046 χ^2/NDF: 16.8/17

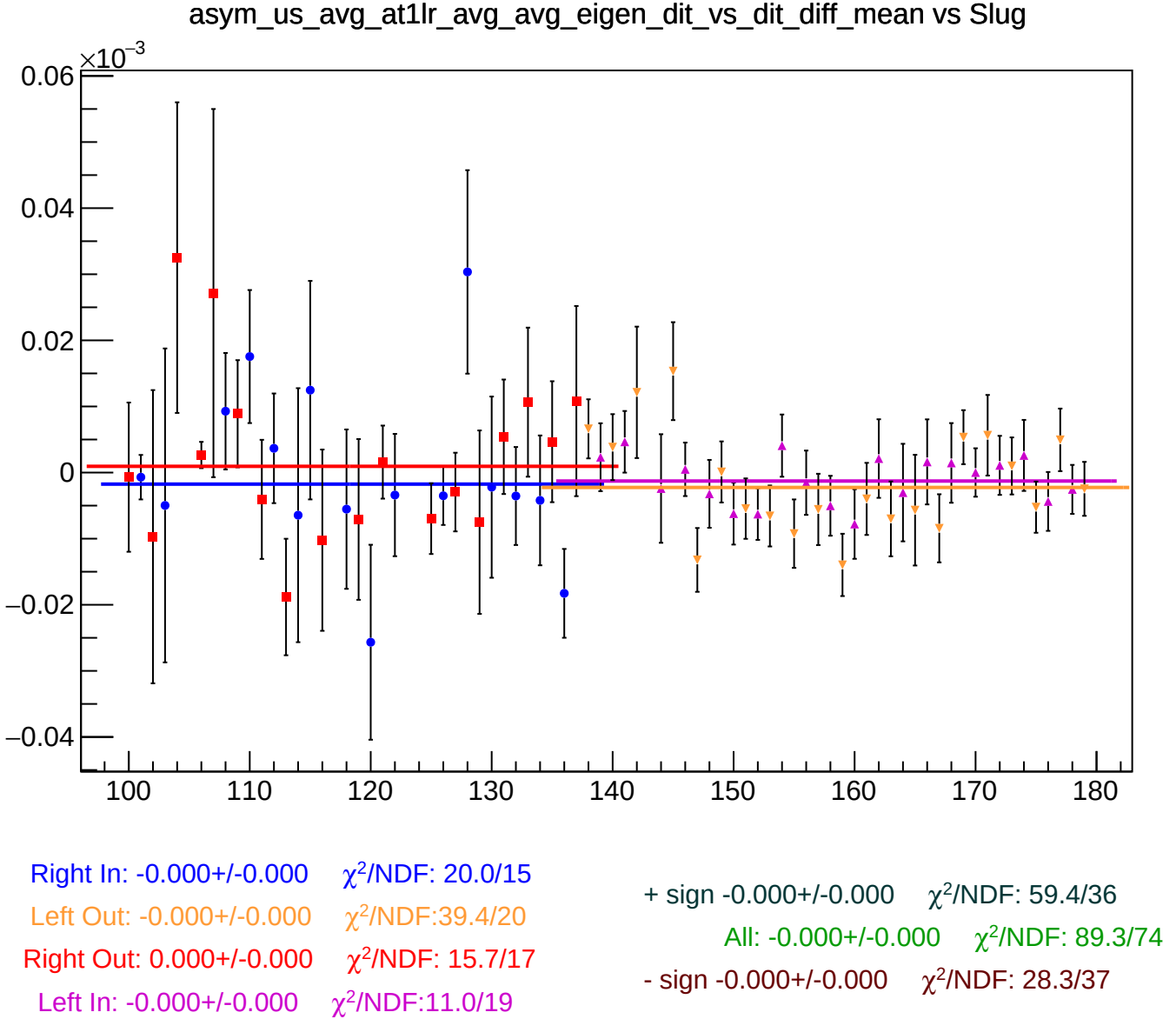
Left In: 0.041+/-0.026 χ^2/NDF:28.8/19

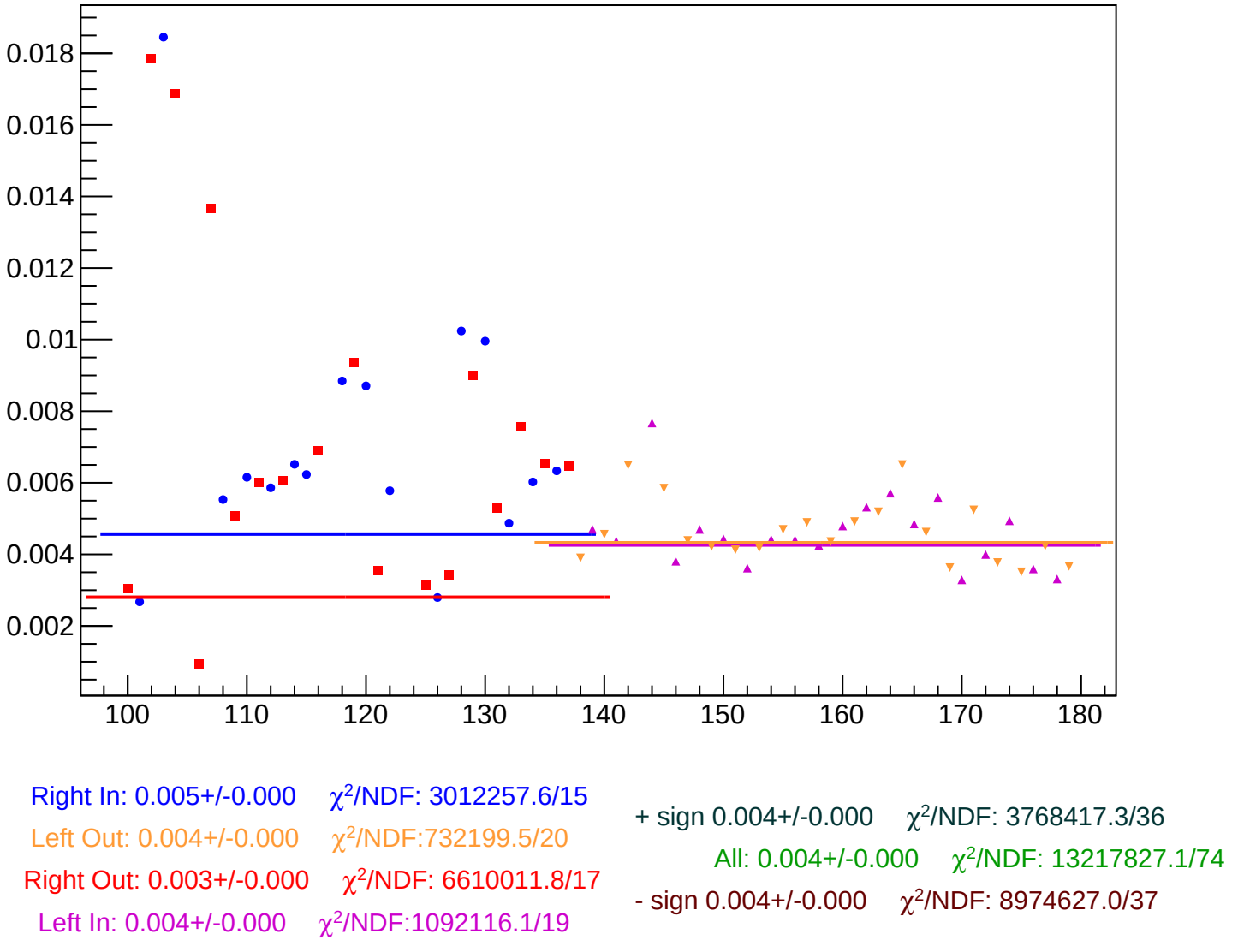
+ sign -0.012+/-0.023 χ^2/NDF: 39.1/36

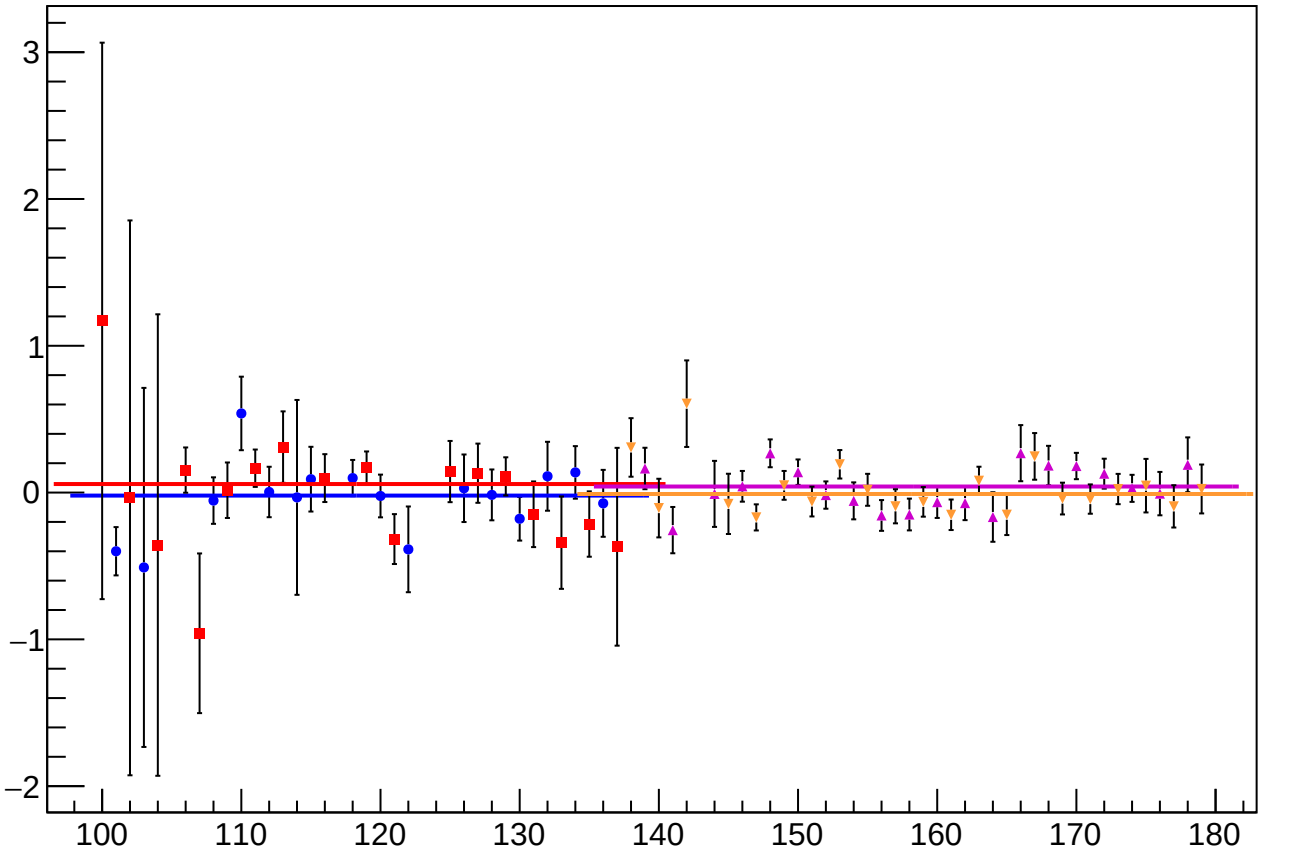
All: 0.017+/-0.016 χ^2/NDF: 88.1/74

- sign 0.045+/-0.023 χ^2/NDF: 45.8/37


asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug
1200
1000
800
600
400
200
100
110
120
130
140
150
160
170
180
Right In: 111.407+/-0.034 χ²/NDF: 1839361.2/15
Left Out: 97.884+/-0.018 χ²/NDF:1849008.0/20
Right Out: 102.673+/-0.033 χ²/NDF: 2826852.7/17
Left In: 96.399+/-0.018 χ²/NDF:1626749.1/19
+ sign 101.014+/-0.016 χ²/NDF: 3812274.3/36
All: 99.430+/-0.011 χ²/NDF: 8312611.7/74
- sign 97.888+/-0.016 χ²/NDF: 4481483.1/37


asym_us_avg_at1lr_avg_avg_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.06
0.04
0.02
0
−0.02
−0.04
100
110
120
130
140
150
160
170
180
Right In: -0.000+/-0.000 χ²/NDF: 20.0/15
Left Out: -0.000+/-0.000 χ²/NDF:39.4/20
Right Out: 0.000+/-0.000 χ²/NDF: 15.7/17
Left In: -0.000+/-0.000 χ²/NDF:11.0/19
+ sign -0.000+/-0.000 χ²/NDF: 59.4/36
All: -0.000+/-0.000 χ²/NDF: 89.3/74
- sign -0.000+/-0.000 χ²/NDF: 28.3/37


asym_us_avg_at1lr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug
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
180
Right In: 0.005+/-0.000 χ²/NDF: 3012257.6/15
Left Out: 0.004+/-0.000 χ²/NDF:732199.5/20
Right Out: 0.003+/-0.000 χ²/NDF: 6610011.8/17
Left In: 0.004+/-0.000 χ²/NDF:1092116.1/19
+ sign 0.004+/-0.000 χ²/NDF: 3768417.3/36
All: 0.004+/-0.000 χ²/NDF: 13217827.1/74
- sign 0.004+/-0.000 χ²/NDF: 8974627.0/37



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: -0.010+/-0.026 χ^2/NDF:23.4/20

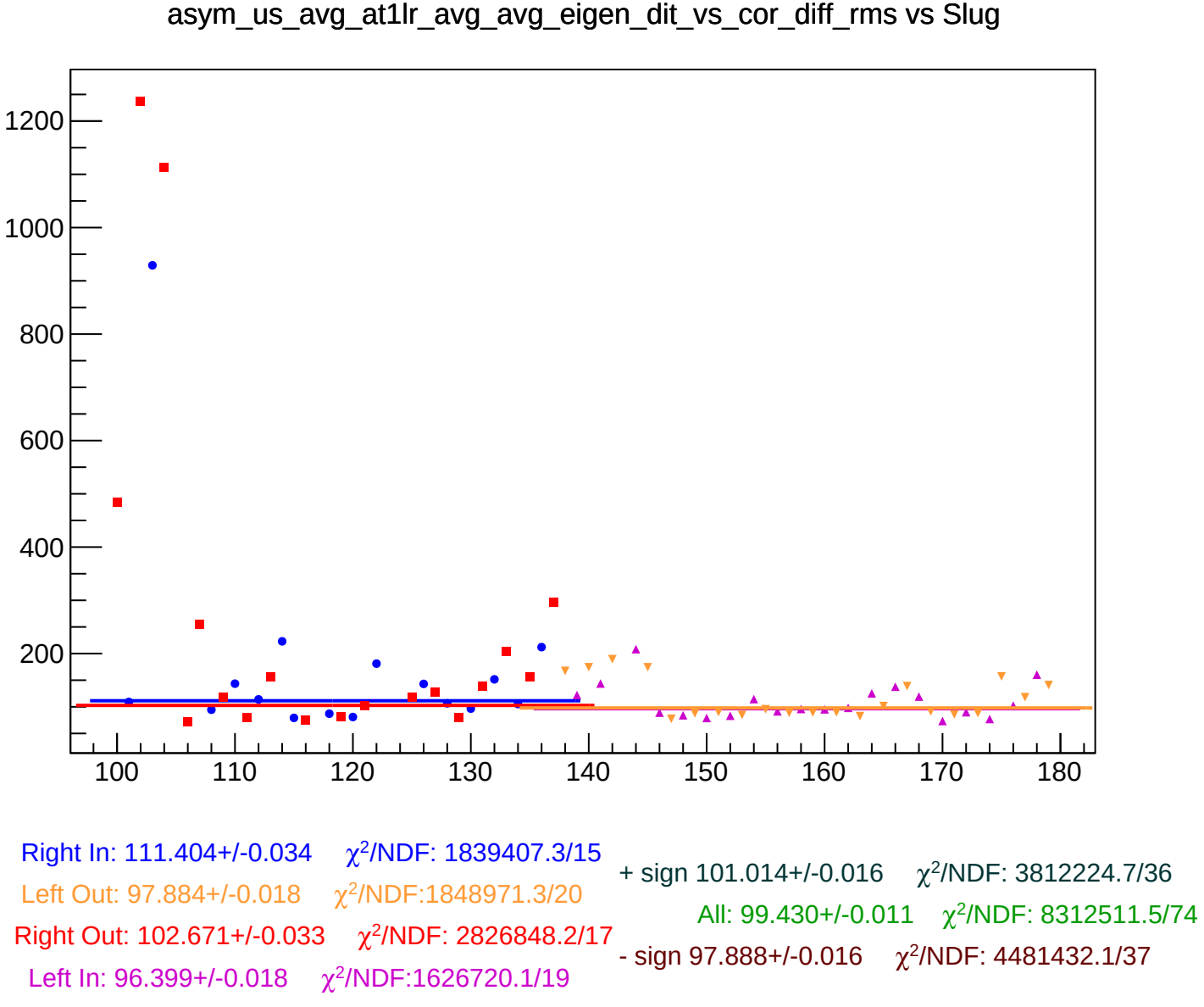
Right Out: 0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: 0.041+/-0.026 χ^2/NDF:28.8/19

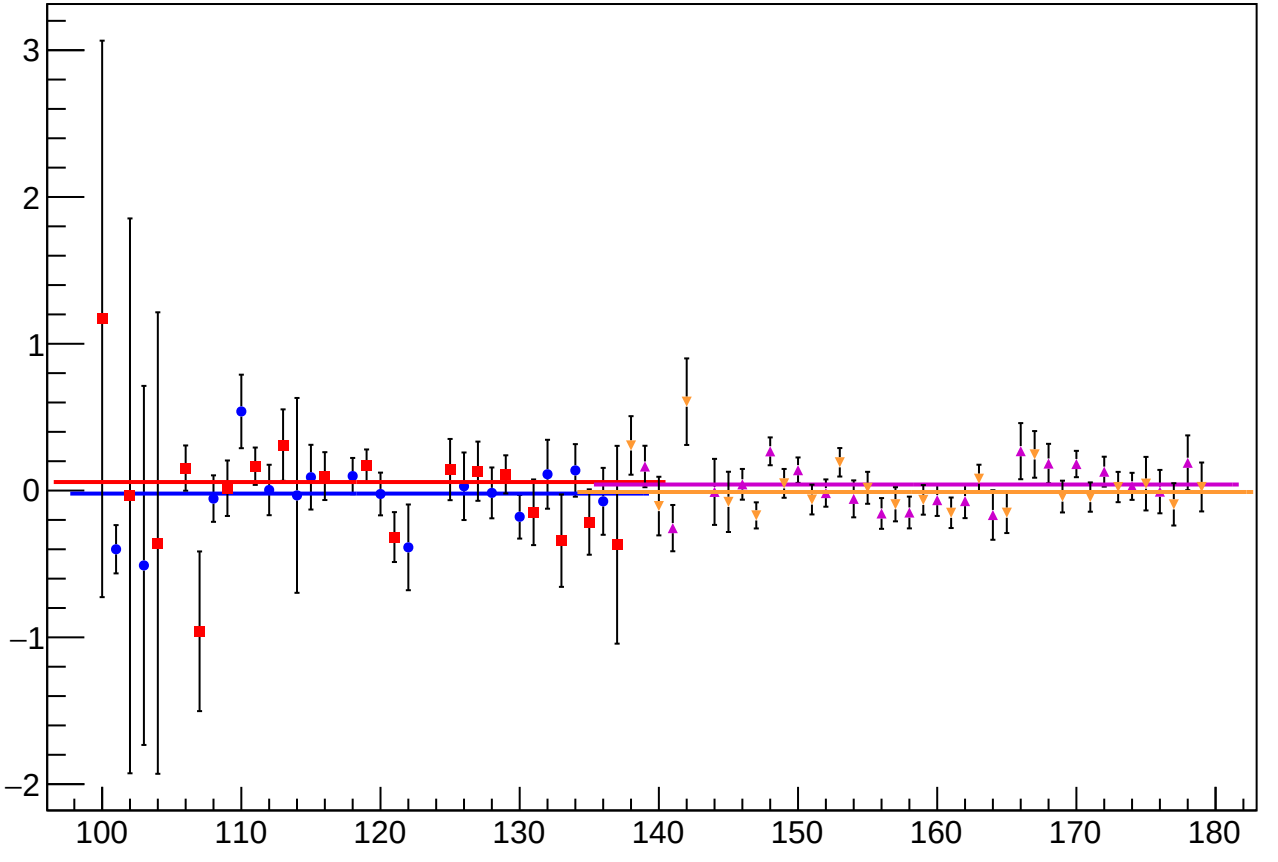
+ sign -0.012+/-0.023 χ^2/NDF: 39.1/36

All: 0.017+/-0.016 χ^2/NDF: 88.1/74

- sign 0.045+/-0.023 χ^2/NDF: 45.8/37


asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug
1200
1000
800
600
400
200
100
110
120
130
140
150
160
170
180
Right In: 111.404+/-0.034 χ²/NDF: 1839407.3/15
Left Out: 97.884+/-0.018 χ²/NDF:1848971.3/20
Right Out: 102.671+/-0.033 χ²/NDF: 2826848.2/17
Left In: 96.399+/-0.018 χ²/NDF:1626720.1/19
+ sign 101.014+/-0.016 χ²/NDF: 3812224.7/36
All: 99.430+/-0.011 χ²/NDF: 8312511.5/74
- sign 97.888+/-0.016 χ²/NDF: 4481432.1/37

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: -0.010+/-0.026 χ^2/NDF:23.4/20

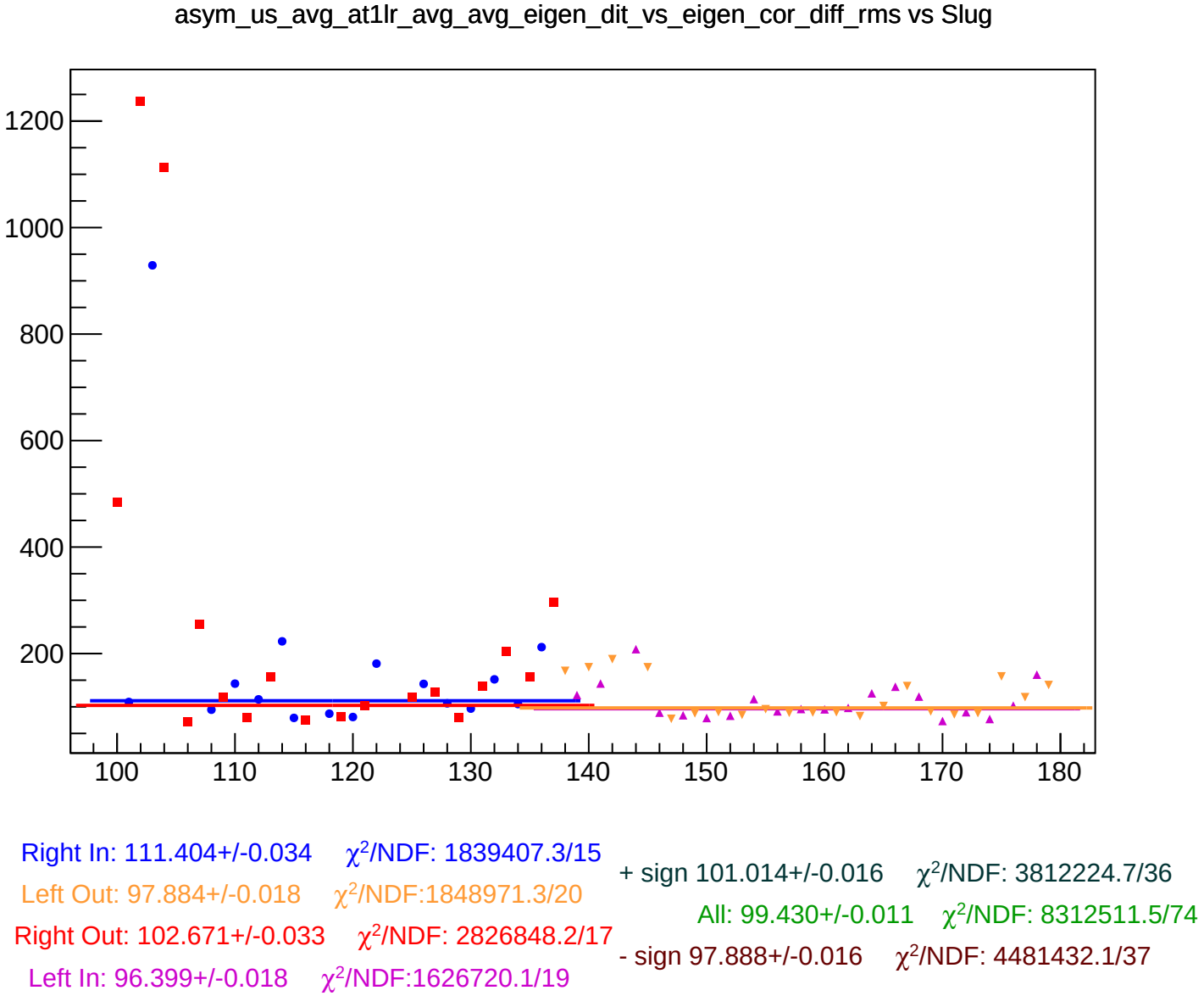
Right Out: 0.058+/-0.046 χ^2/NDF: 16.8/17

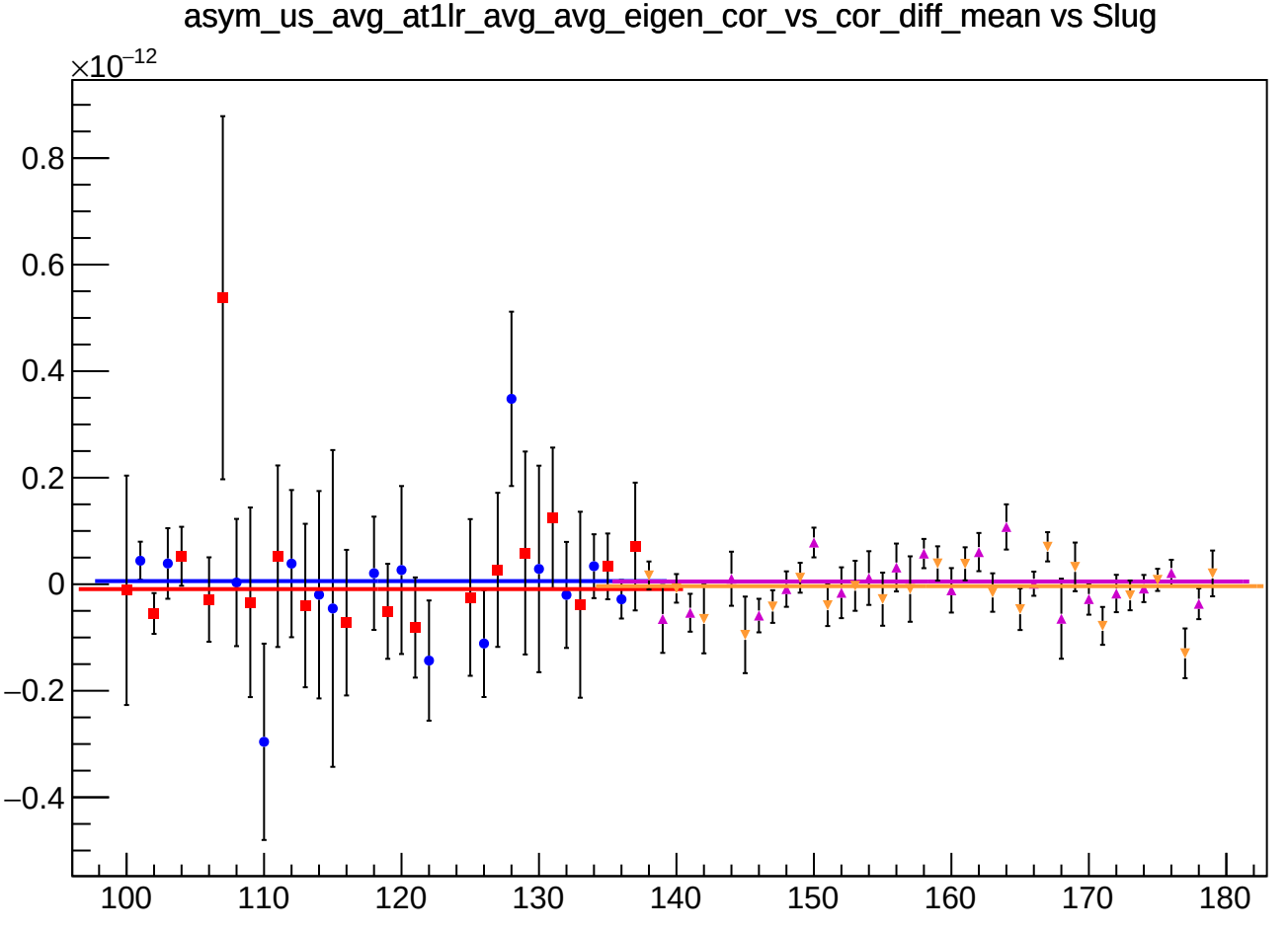
Left In: 0.041+/-0.026 χ^2/NDF:28.8/19

+ sign -0.012+/-0.023 χ^2/NDF: 39.1/36

All: 0.017+/-0.016 χ^2/NDF: 88.1/74

- sign 0.045+/-0.023 χ^2/NDF: 45.8/37


asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
1200
1000
800
600
400
200
100
110
120
130
140
150
160
170
180
Right In: 111.404+/-0.034 χ²/NDF: 1839407.3/15
Left Out: 97.884+/-0.018 χ²/NDF:1848971.3/20
Right Out: 102.671+/-0.033 χ²/NDF: 2826848.2/17
Left In: 96.399+/-0.018 χ²/NDF:1626720.1/19
+ sign 101.014+/-0.016 χ²/NDF: 3812224.7/36
All: 99.430+/-0.011 χ²/NDF: 8312511.5/74
- sign 97.888+/-0.016 χ²/NDF: 4481432.1/37



Right In: 0.000+/-0.000 χ^2/NDF: 12.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:31.6/20

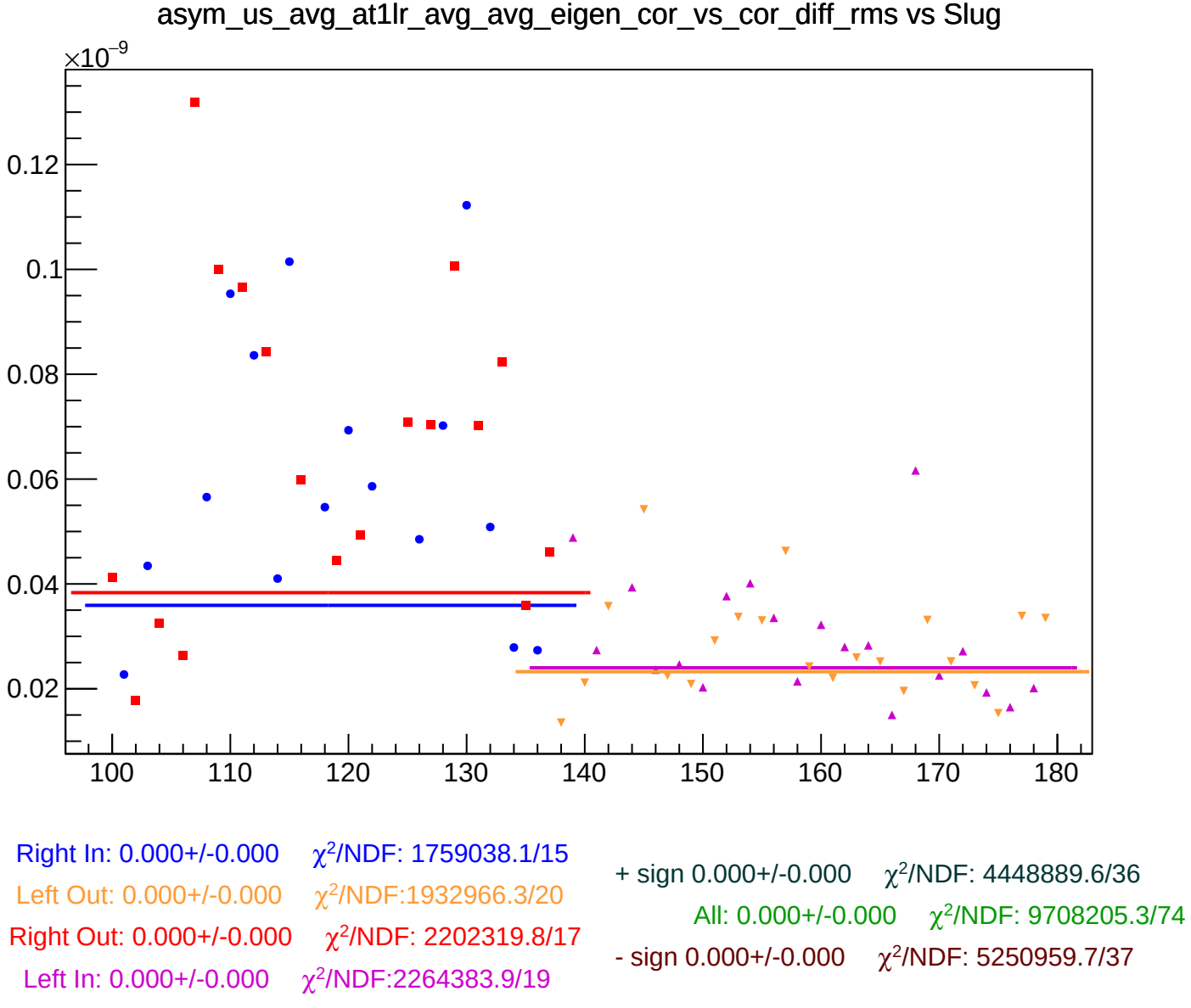
Right Out: -0.000+/-0.000 χ^2/NDF: 8.7/17

Left In: 0.000+/-0.000 χ^2/NDF:33.0/19

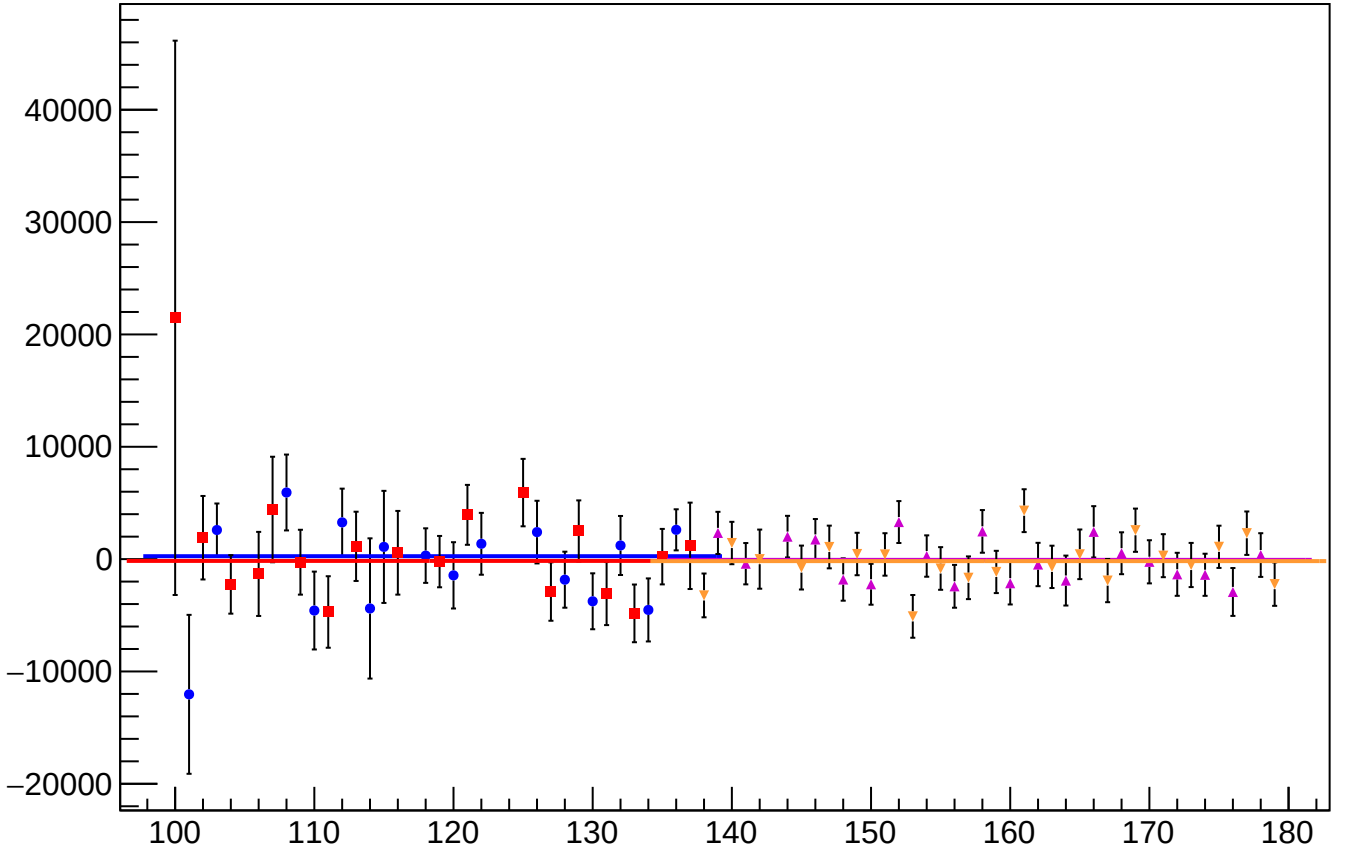
+ sign -0.000+/-0.000 χ^2/NDF: 44.7/36

All: 0.000+/-0.000 χ^2/NDF: 87.2/74

- sign 0.000+/-0.000 χ^2/NDF: 42.1/37


asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1759038.1/15
Left Out: 0.000+/-0.000 χ²/NDF:1932966.3/20
Right Out: 0.000+/-0.000 χ²/NDF: 2202319.8/17
Left In: 0.000+/-0.000 χ²/NDF:2264383.9/19
+ sign 0.000+/-0.000 χ²/NDF: 4448889.6/36
All: 0.000+/-0.000 χ²/NDF: 9708205.3/74
- sign 0.000+/-0.000 χ²/NDF: 5250959.7/37

reg_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 259.502+/-709.700 χ^2/NDF: 19.4/15

Left Out: -177.309+/-424.409 χ^2/NDF:23.5/20

Right Out: -159.330+/-712.314 χ^2/NDF: 18.1/17

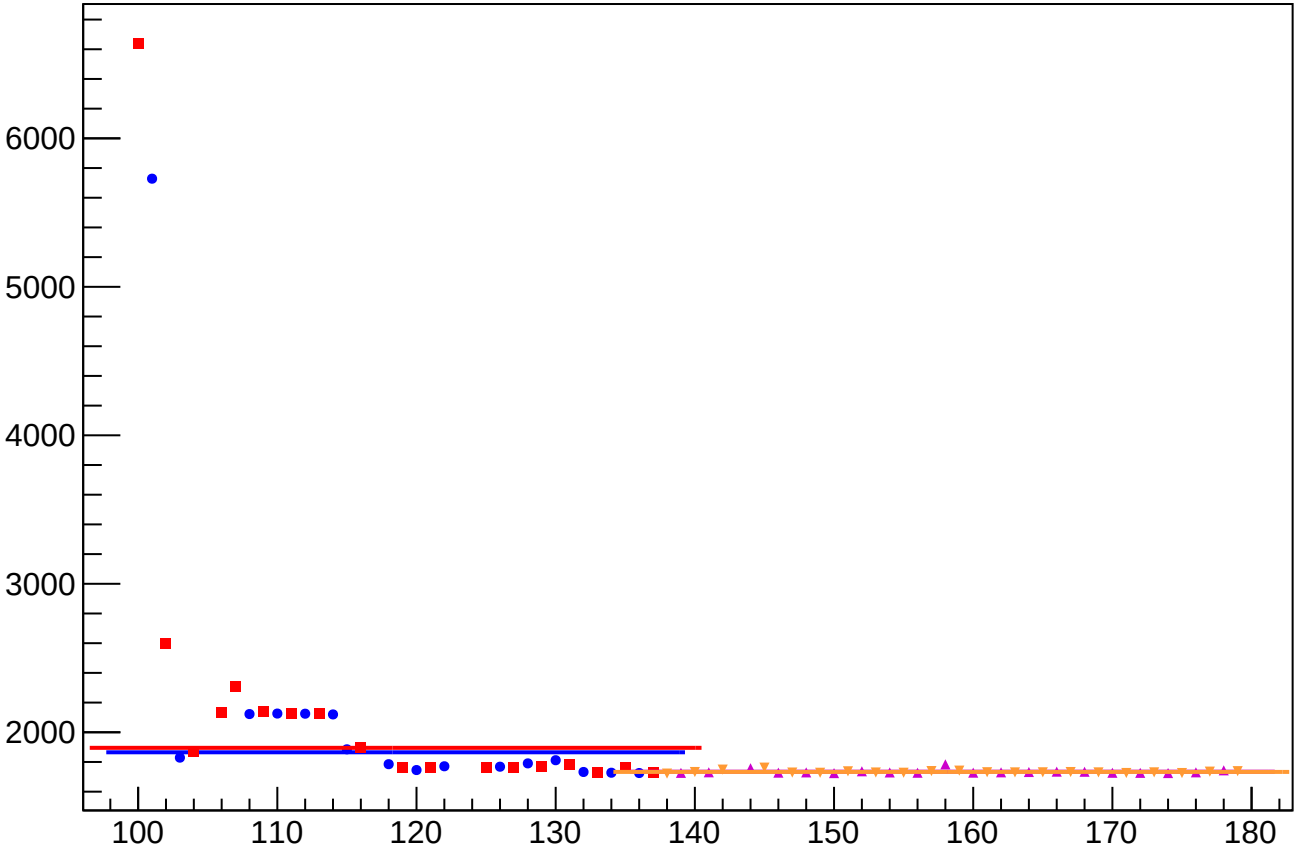
Left In: -66.817+/-429.037 χ^2/NDF:18.8/19

+ sign -62.246+/-364.247 χ^2/NDF: 43.2/36

All: -76.715+/-258.711 χ^2/NDF: 80.1/74

- sign -91.445+/-367.521 χ^2/NDF: 36.9/37

reg_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1865.170+/-0.502 χ^2/NDF: 672724.7/15

Left Out: 1733.054+/-0.300 χ^2/NDF:790.6/20

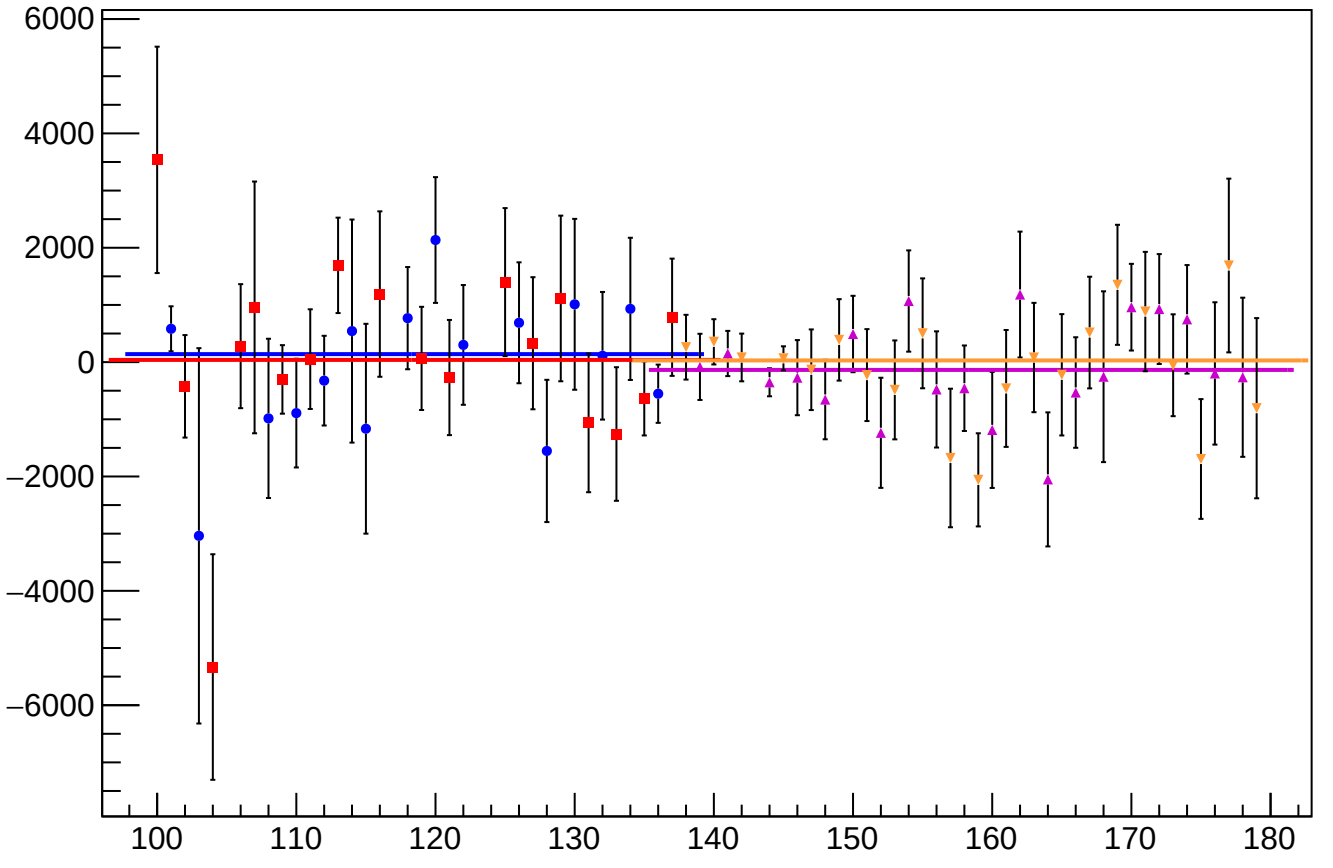
Right Out: 1895.250+/-0.504 χ^2/NDF: 250806.5/17

Left In: 1734.573+/-0.303 χ^2/NDF:2060.4/19

+ sign 1767.856+/-0.258 χ^2/NDF: 724567.4/36

All: 1772.559+/-0.183 χ^2/NDF: 1052780.8/74

- sign 1777.346+/-0.260 χ^2/NDF: 327540.7/37



Right In: 139.799+/-220.100 χ^2/NDF: 13.5/15

Left Out: 29.547+/-132.567 χ^2/NDF:17.4/20

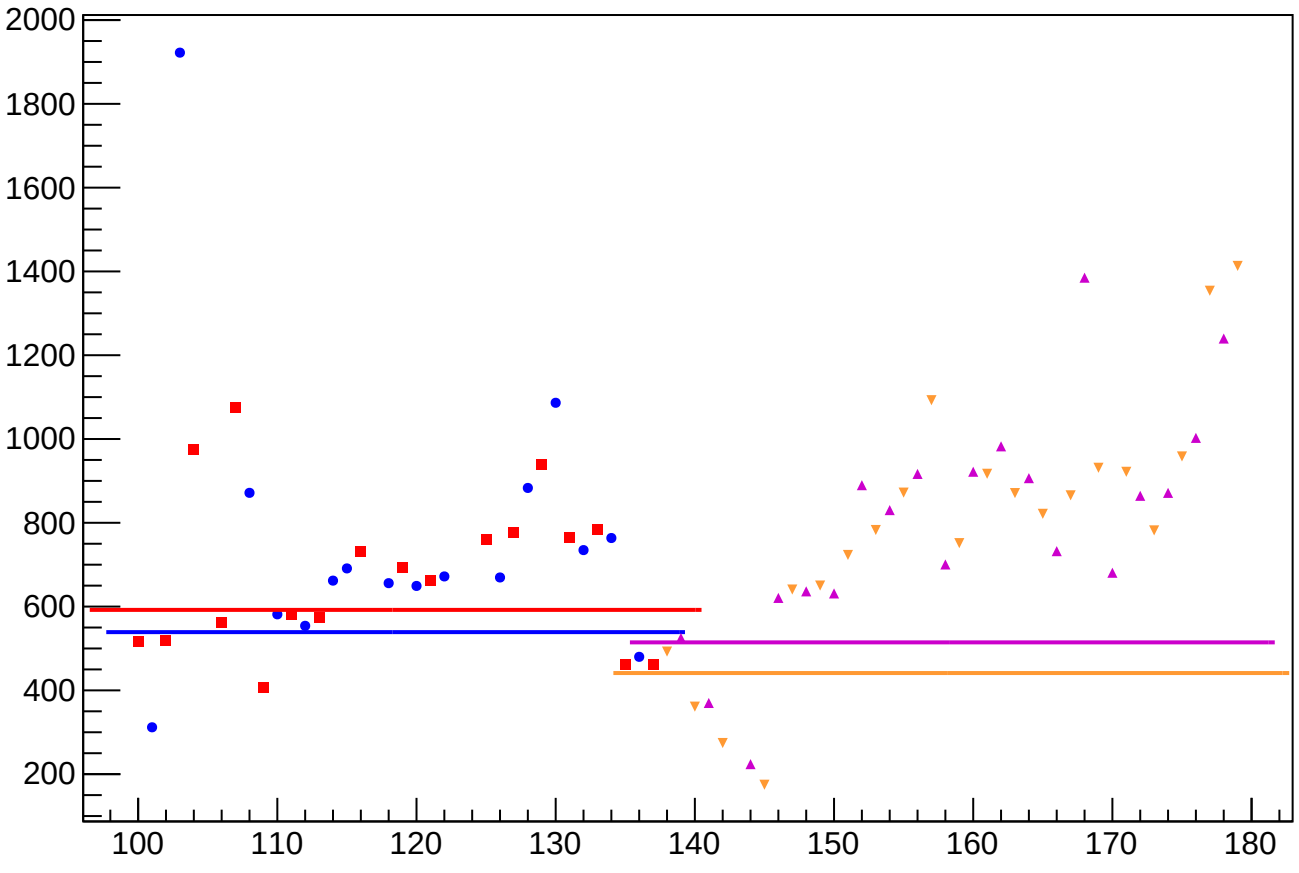
Right Out: 38.629+/-238.253 χ^2/NDF: 21.4/17

Left In: -136.412+/-145.986 χ^2/NDF:15.8/19

+ sign 58.896+/-113.560 χ^2/NDF: 31.1/36

All: -8.116+/-83.894 χ^2/NDF: 69.4/74

- sign -88.632+/-124.477 χ^2/NDF: 37.6/37



Right In: 539.016+/-0.156 χ^2/NDF: 1854576.5/15

Left Out: 441.361+/-0.094 χ^2/NDF:10396318.1/20

Right Out: 592.101+/-0.168 χ^2/NDF: 843066.1/17

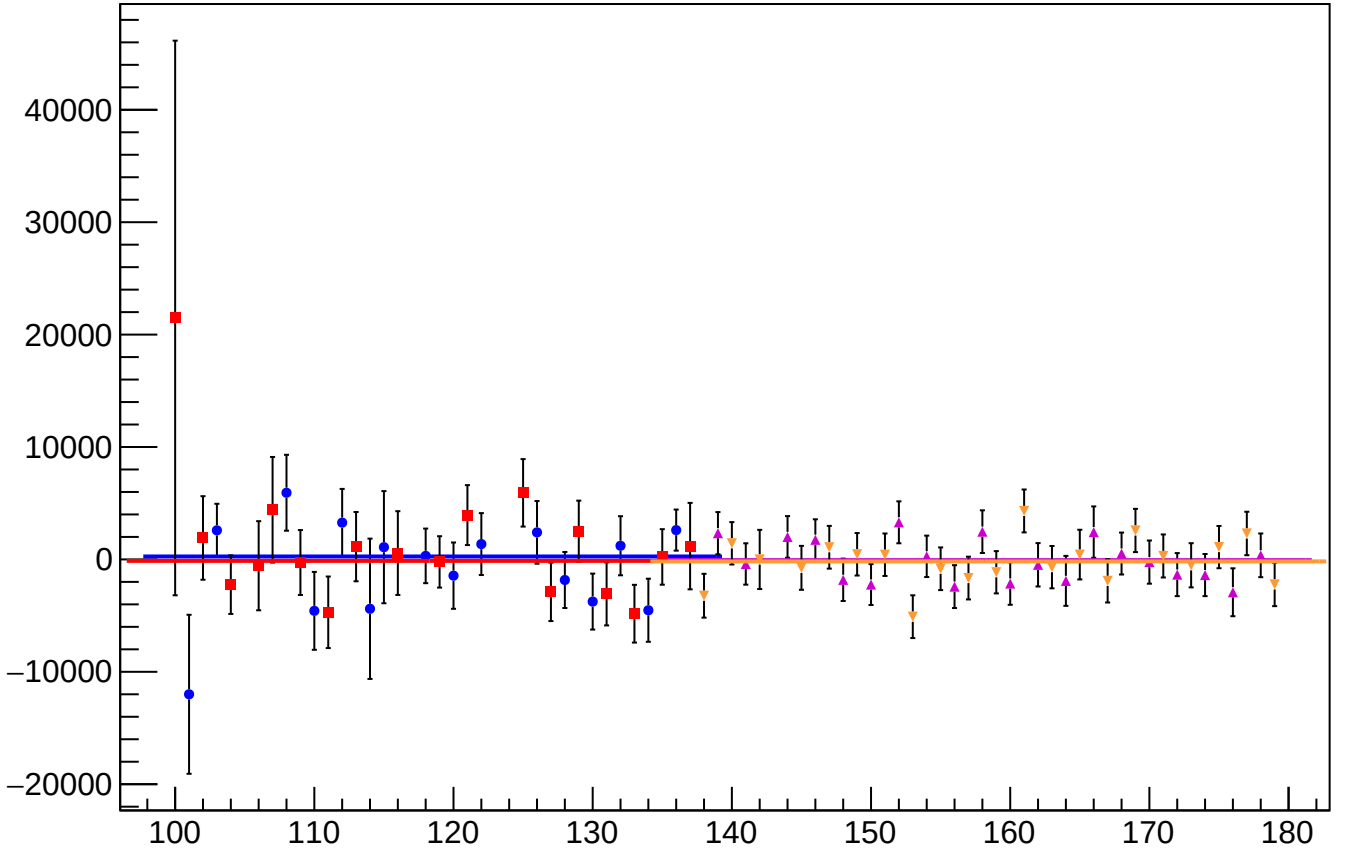
Left In: 514.558+/-0.103 χ^2/NDF:7435606.3/19

+ sign 467.357+/-0.080 χ^2/NDF: 12539798.7/36

All: 498.411+/-0.059 χ^2/NDF: 21301768.9/74

- sign 535.724+/-0.088 χ^2/NDF: 8432699.6/37

cor_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 259.689+/-709.700 χ^2/NDF: 19.4/15

Left Out: -177.254+/-424.409 χ^2/NDF:23.5/20

Right Out: -130.049+/-713.724 χ^2/NDF: 18.0/17

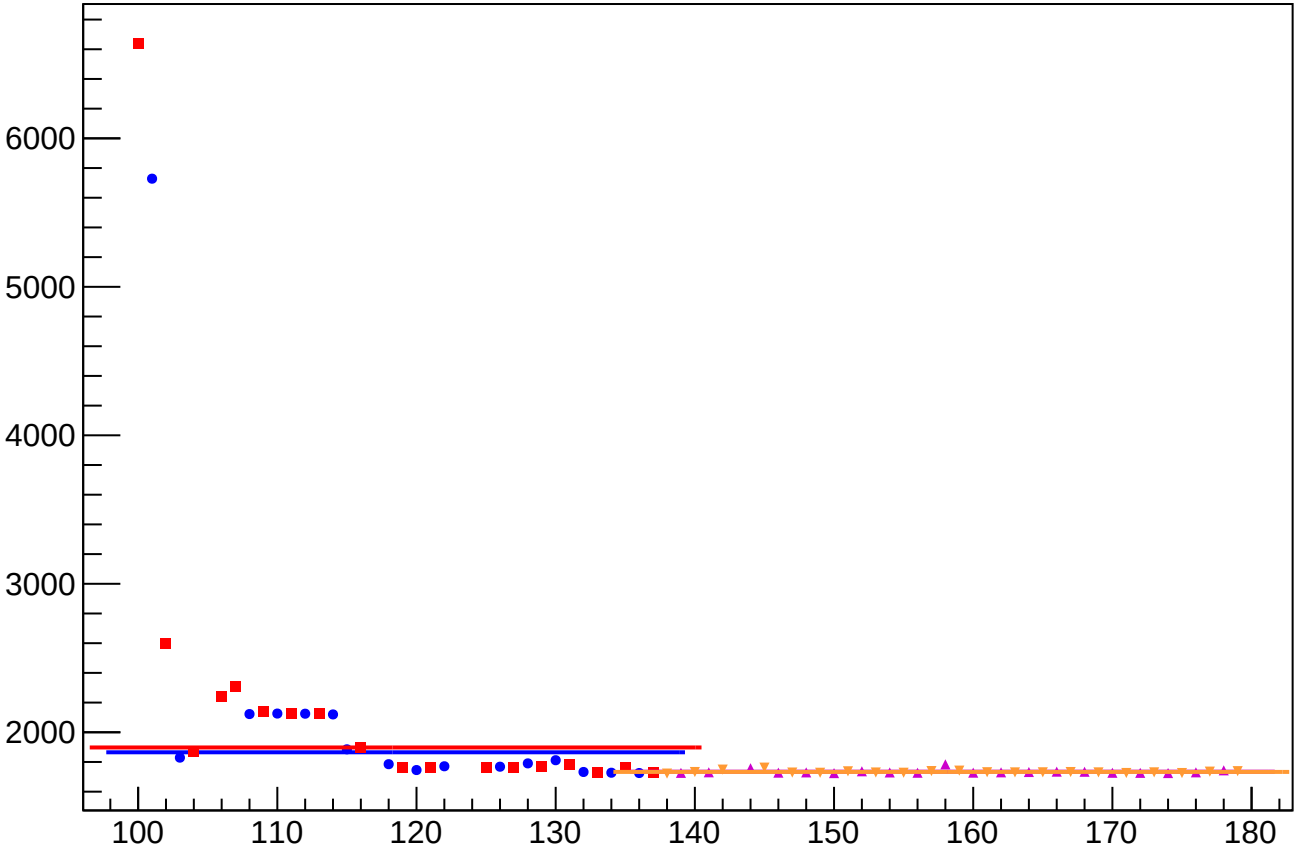
Left In: -66.755+/-429.037 χ^2/NDF:18.8/19

+ sign -62.156+/-364.247 χ^2/NDF: 43.2/36

All: -72.754+/-258.778 χ^2/NDF: 80.0/74

- sign -83.555+/-367.714 χ^2/NDF: 36.8/37

cor_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1865.170+/-0.502 χ^2/NDF: 672724.7/15

Left Out: 1733.055+/-0.300 χ^2/NDF:790.6/20

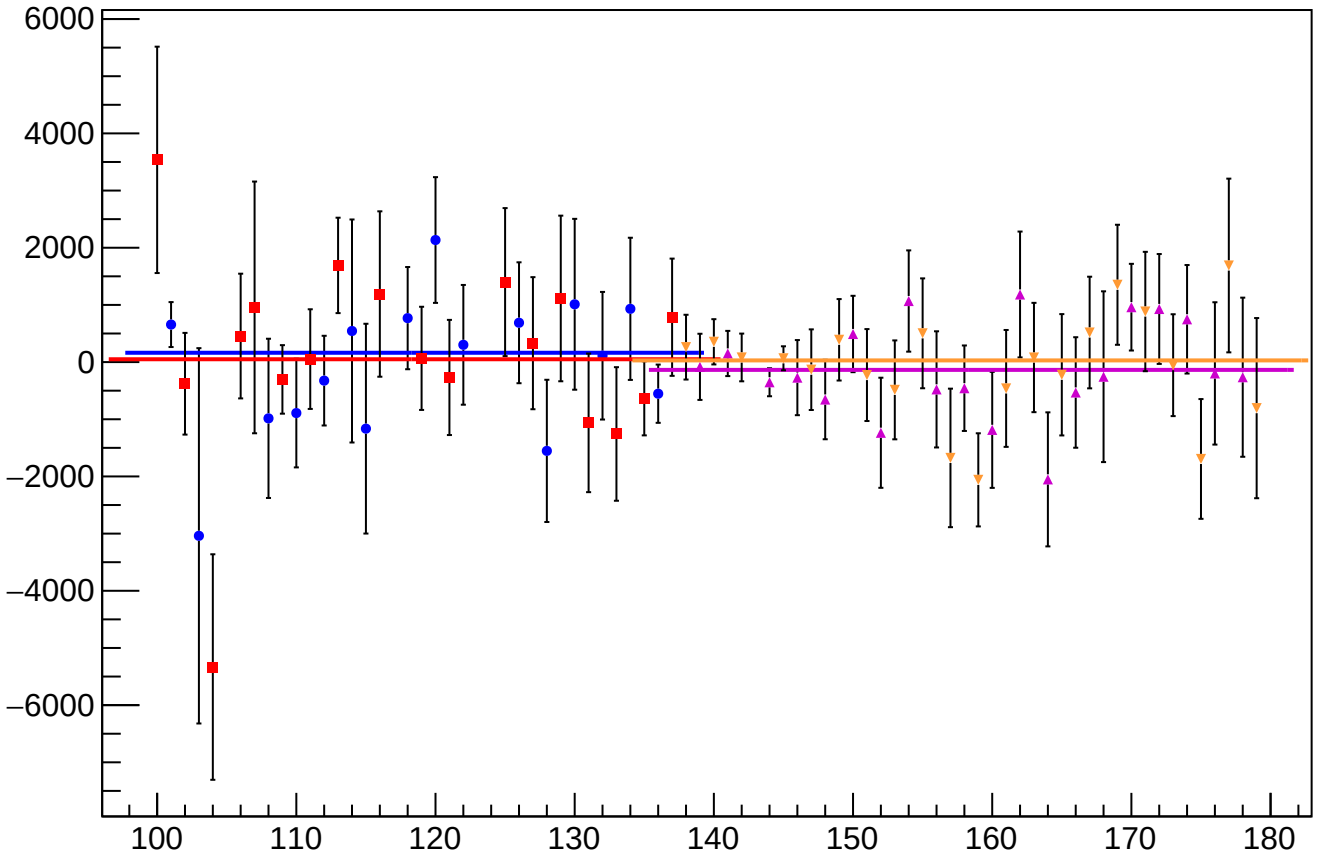
Right Out: 1897.700+/-0.505 χ^2/NDF: 257735.0/17

Left In: 1734.573+/-0.303 χ^2/NDF:2060.4/19

+ sign 1767.856+/-0.258 χ^2/NDF: 724567.2/36

All: 1772.817+/-0.183 χ^2/NDF: 1061857.5/74

- sign 1777.873+/-0.260 χ^2/NDF: 336541.1/37



Right In: 163.149+/-220.024 χ^2/NDF: 13.9/15

Left Out: 29.431+/-132.569 χ^2/NDF:17.4/20

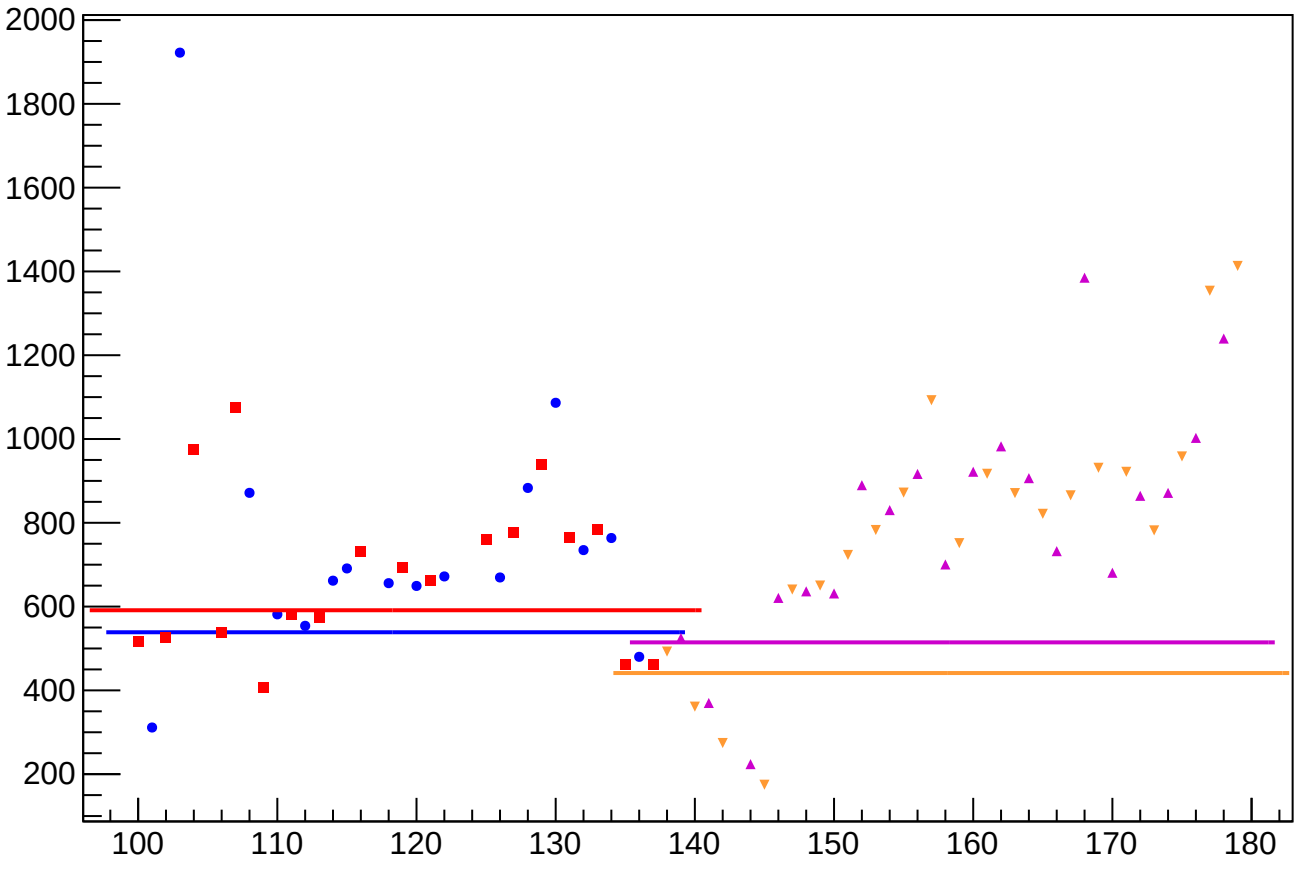
Right Out: 49.618+/-238.198 χ^2/NDF: 21.4/17

Left In: -136.388+/-145.987 χ^2/NDF:15.8/19

+ sign 65.046+/-113.550 χ^2/NDF: 31.6/36

All: -3.380+/-83.888 χ^2/NDF: 70.1/74

- sign -85.598+/-124.470 χ^2/NDF: 37.7/37



Right In: 538.703+/-0.156 χ^2/NDF: 1858892.9/15

Left Out: 441.371+/-0.094 χ^2/NDF:10395925.1/20

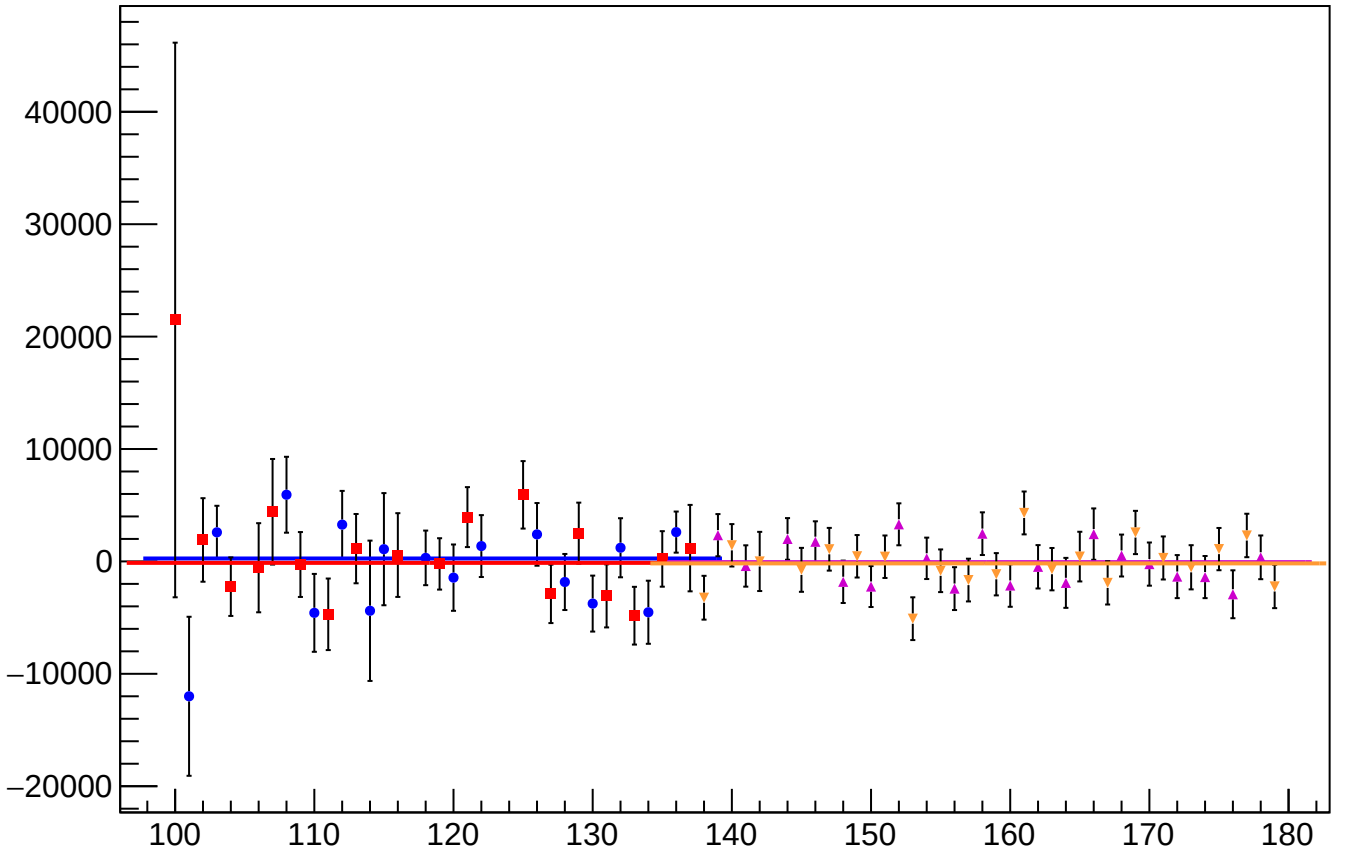
Right Out: 591.241+/-0.168 χ^2/NDF: 844536.8/17

Left In: 514.565+/-0.103 χ^2/NDF:7435114.8/19

+ sign 467.295+/-0.080 χ^2/NDF: 12541958.1/36

All: 498.276+/-0.059 χ^2/NDF: 21300042.1/74

- sign 535.502+/-0.088 χ^2/NDF: 8430303.3/37



Right In: 259.689+/-709.700 χ^2/NDF: 19.4/15

Left Out: -177.254+/-424.409 χ^2/NDF:23.5/20

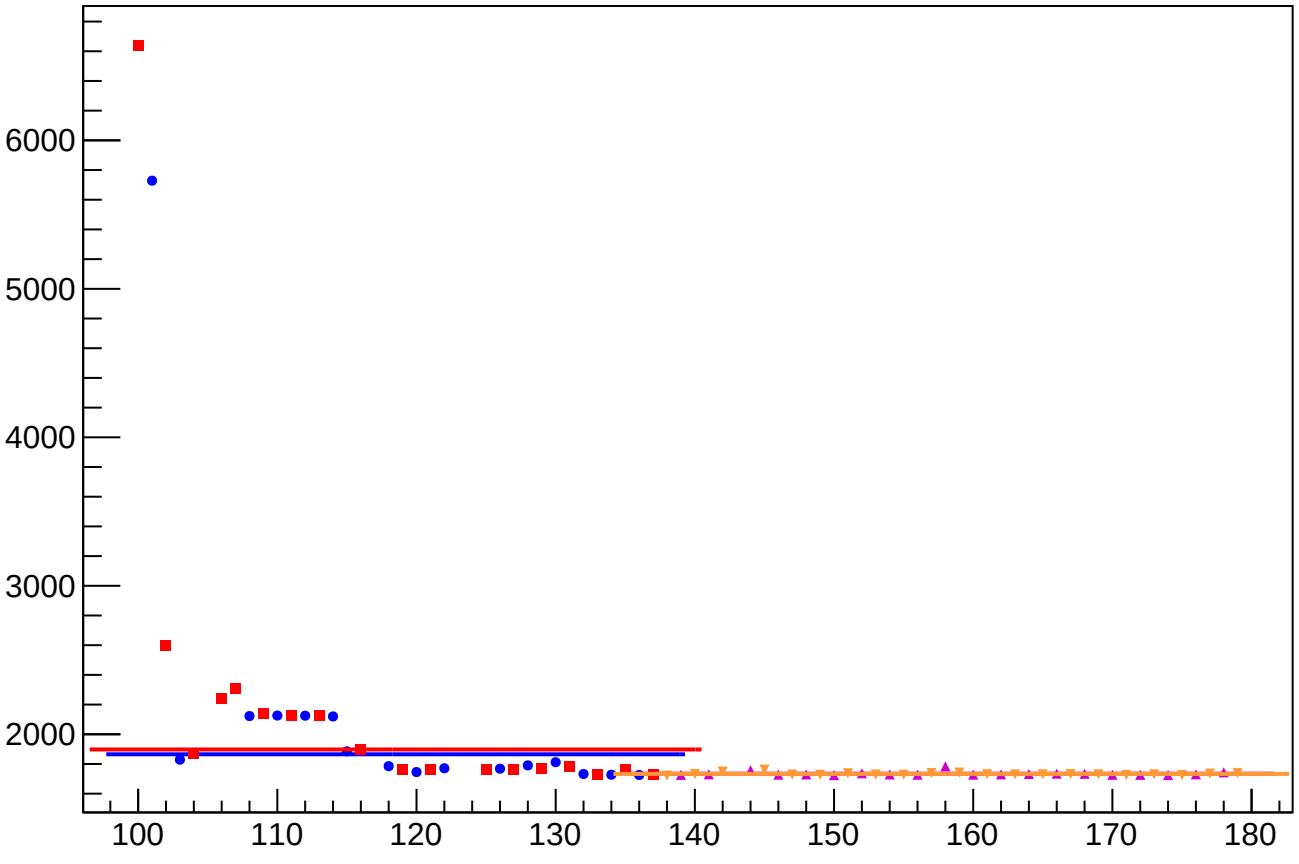
Right Out: -130.049+/-713.724 χ^2/NDF: 18.0/17

Left In: -66.755+/-429.037 χ^2/NDF:18.8/19

+ sign -62.156+/-364.247 χ^2/NDF: 43.2/36

All: -72.754+/-258.778 χ^2/NDF: 80.0/74

- sign -83.555+/-367.714 χ^2/NDF: 36.8/37



Right In: 1865.170+/-0.502 χ^2/NDF: 672724.7/15

Left Out: 1733.055+/-0.300 χ^2/NDF:790.6/20

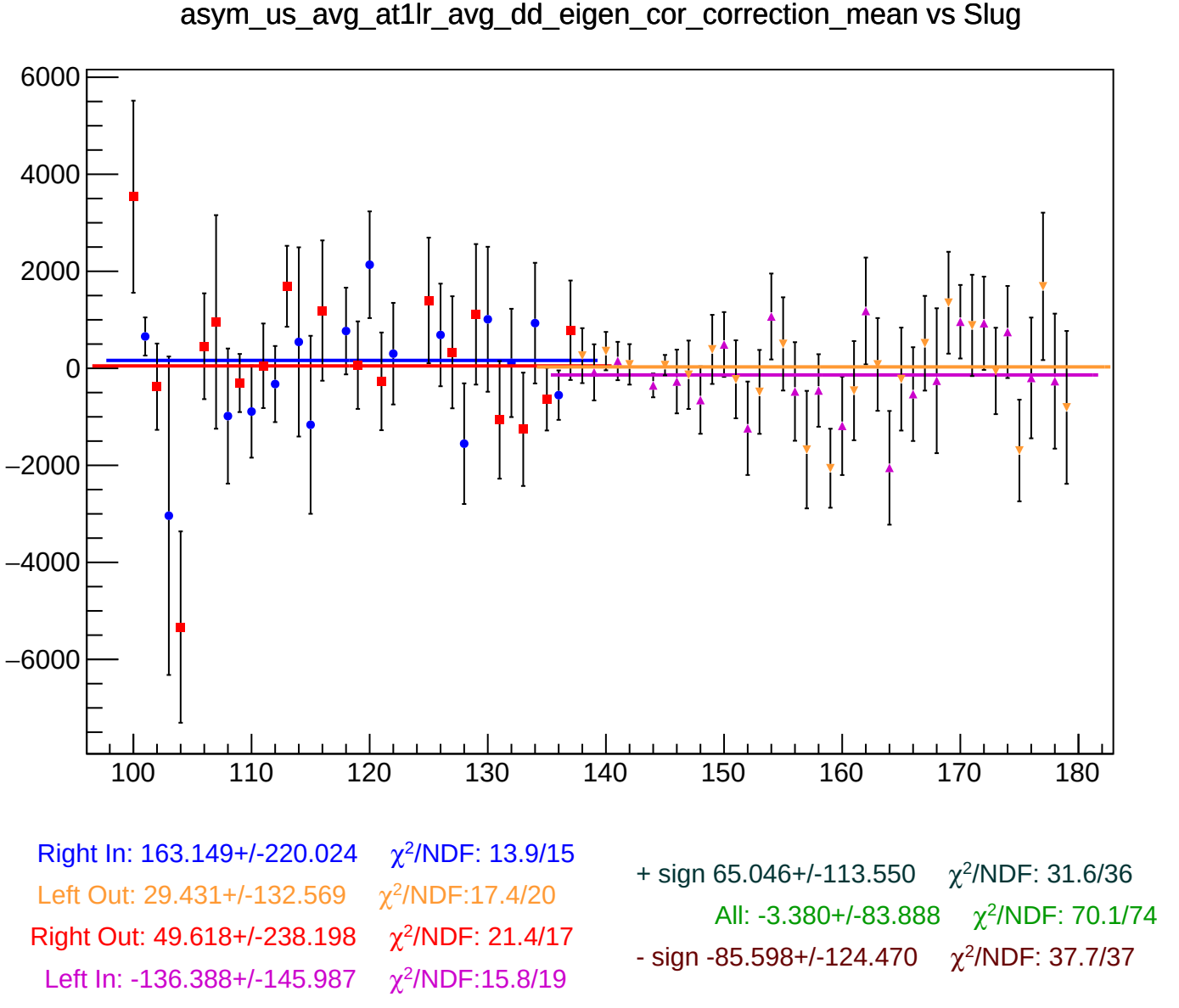
Right Out: 1897.700+/-0.505 χ^2/NDF: 257735.0/17

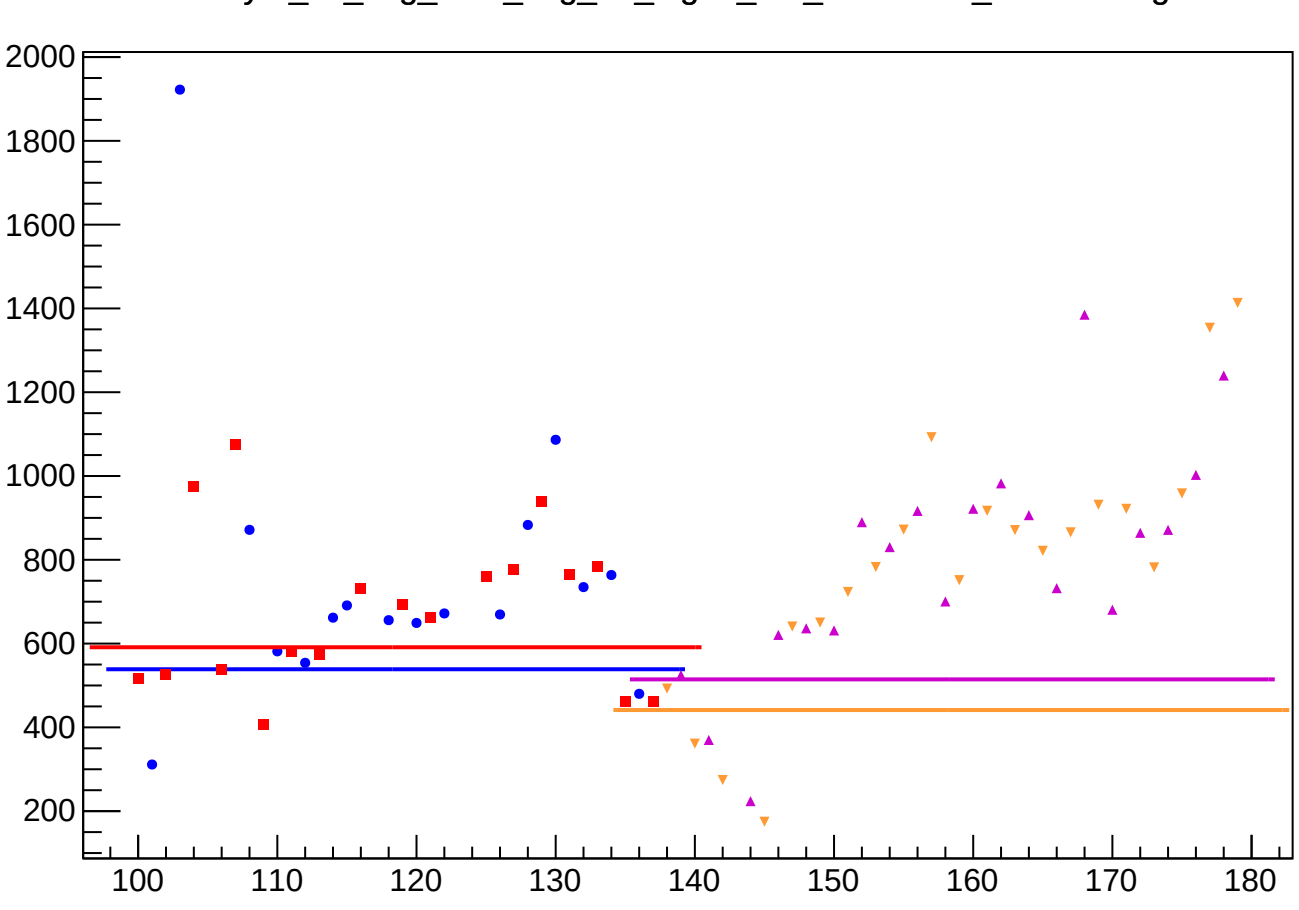
Left In: 1734.573+/-0.303 χ^2/NDF:2060.4/19

+ sign 1767.856+/-0.258 χ^2/NDF: 724567.2/36

All: 1772.817+/-0.183 χ^2/NDF: 1061857.5/74

- sign 1777.873+/-0.260 χ^2/NDF: 336541.1/37


asym_us_avg_at1lr_avg_dd_eigen_cor_correction_mean vs Slug
6000
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
170
180
Right In: 163.149+/-220.024 χ²/NDF: 13.9/15
Left Out: 29.431+/-132.569 χ²/NDF:17.4/20
Right Out: 49.618+/-238.198 χ²/NDF: 21.4/17
Left In: -136.388+/-145.987 χ²/NDF:15.8/19
+ sign 65.046+/-113.550 χ²/NDF: 31.6/36
All: -3.380+/-83.888 χ²/NDF: 70.1/74
- sign -85.598+/-124.470 χ²/NDF: 37.7/37



Right In: 538.703+/-0.156 χ^2/NDF: 1858892.9/15

Left Out: 441.371+/-0.094 χ^2/NDF:10395925.1/20

Right Out: 591.241+/-0.168 χ^2/NDF: 844536.8/17

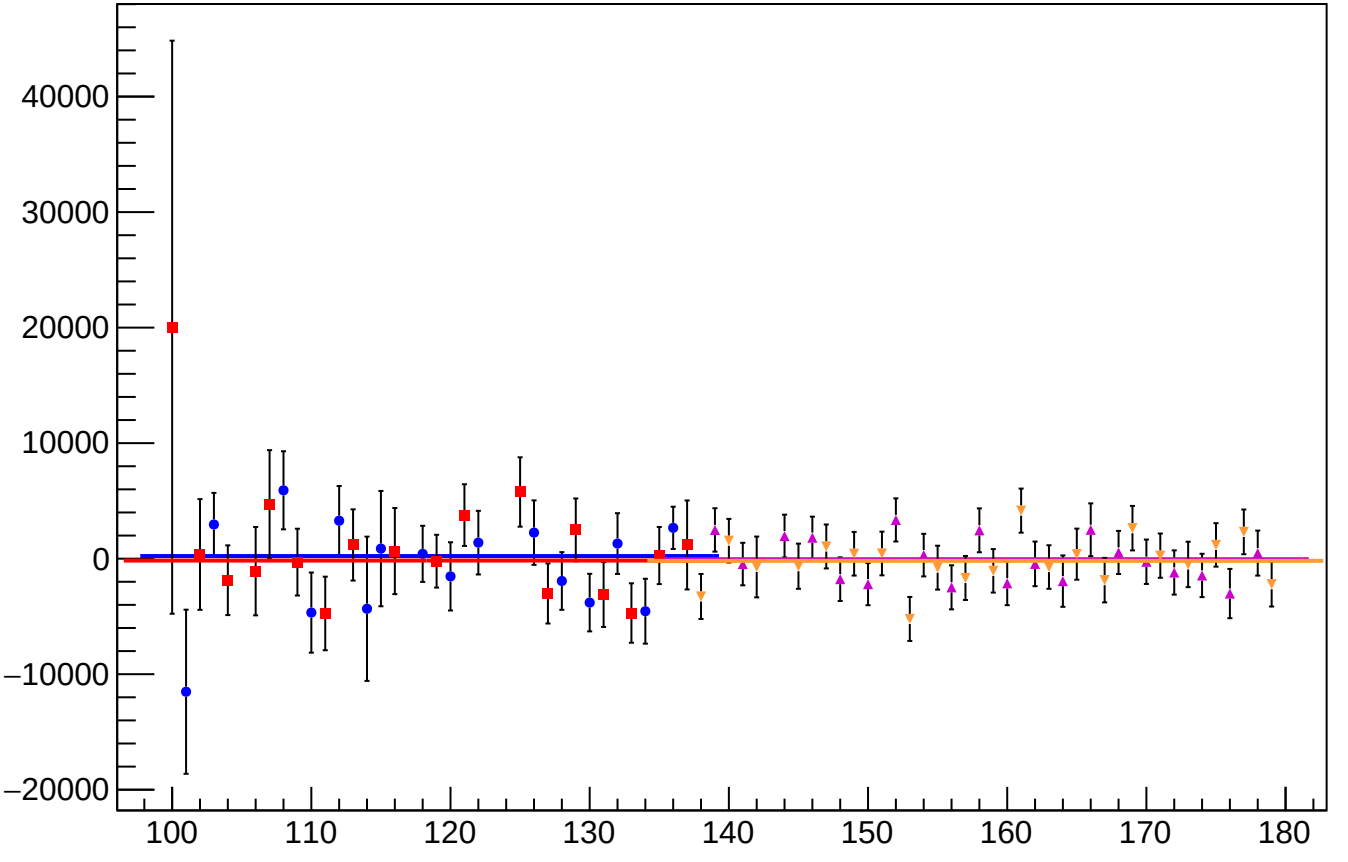
Left In: 514.565+/-0.103 χ^2/NDF:7435114.8/19

+ sign 467.295+/-0.080 χ^2/NDF: 12541958.1/36

All: 498.276+/-0.059 χ^2/NDF: 21300042.1/74

- sign 535.502+/-0.088 χ^2/NDF: 8430303.3/37

dit_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 226.227+/-718.556 χ^2/NDF: 19.4/15

Left Out: -187.090+/-424.727 χ^2/NDF:23.6/20

Right Out: -163.711+/-725.798 χ^2/NDF: 17.0/17

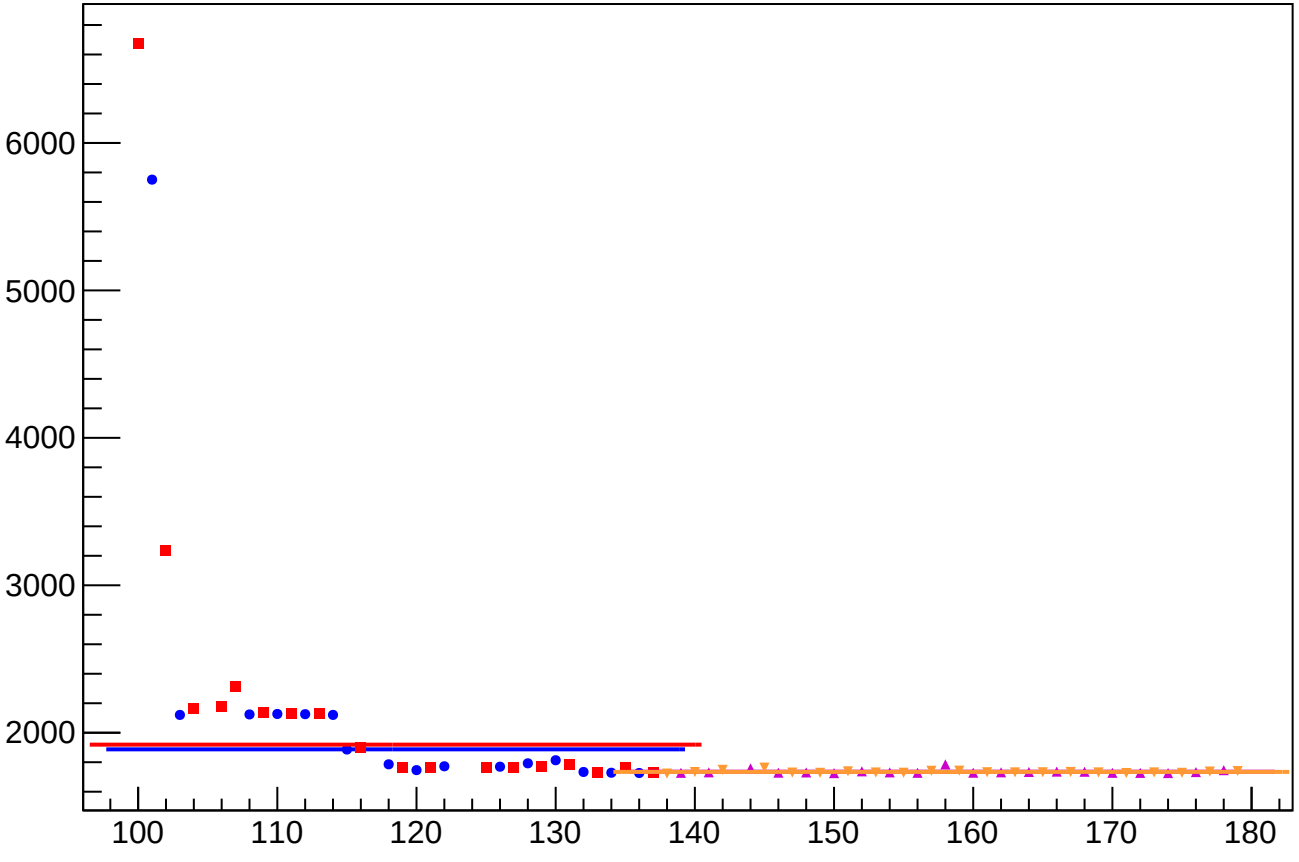
Left In: -46.251+/-429.344 χ^2/NDF:19.3/19

\+ sign -80.075+/-365.631 χ^2/NDF: 43.3/36

All: -78.405+/-259.908 χ^2/NDF: 79.7/74

\- sign -76.699+/-369.530 χ^2/NDF: 36.4/37

dit_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1887.310+/-0.508 χ^2/NDF: 689442.6/15

Left Out: 1734.351+/-0.300 χ^2/NDF:798.0/20

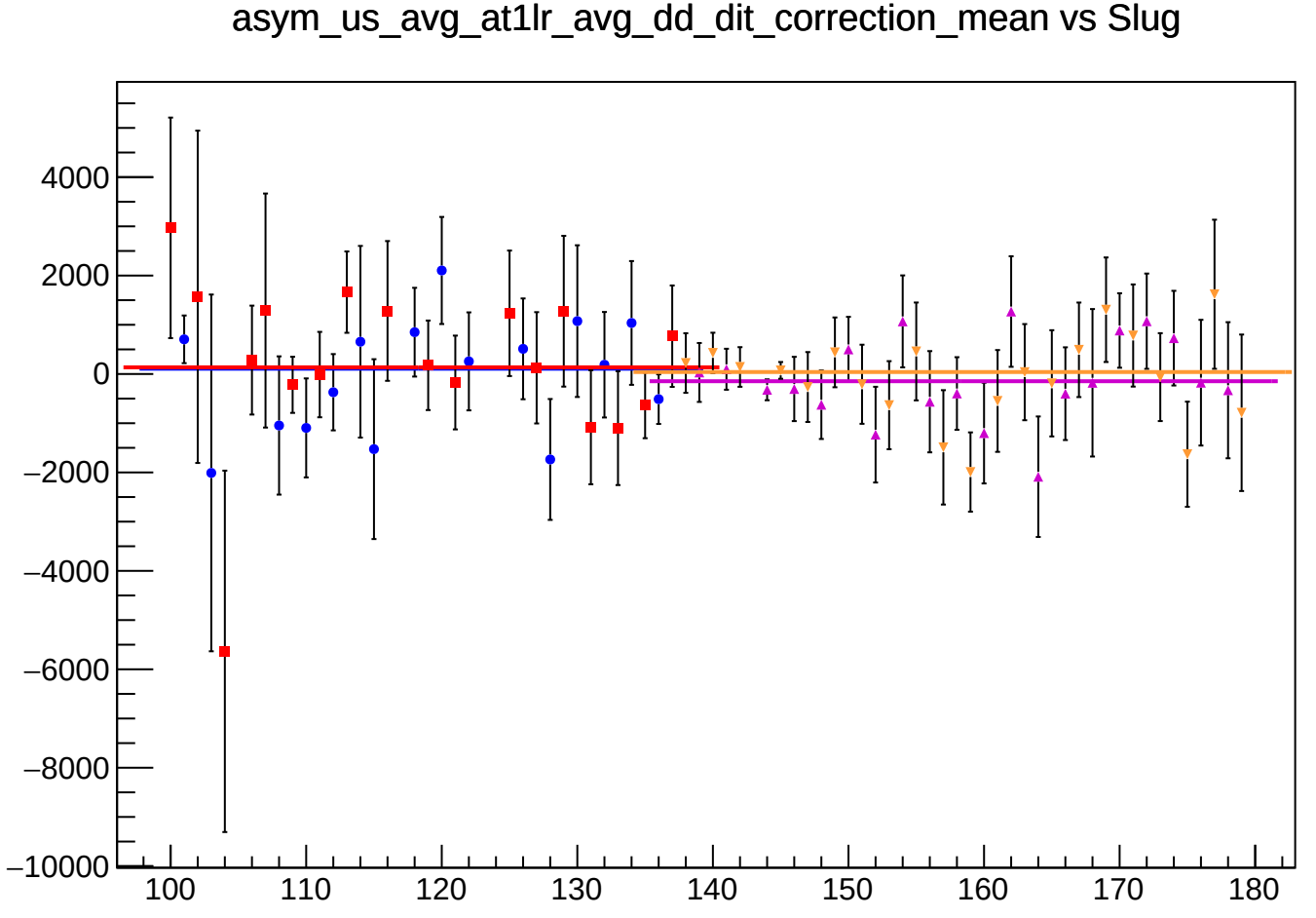
Right Out: 1919.164+/-0.513 χ^2/NDF: 352567.1/17

Left In: 1735.812+/-0.304 χ^2/NDF:2070.1/19

+ sign 1773.955+/-0.259 χ^2/NDF: 757403.2/36

All: 1778.598+/-0.184 χ^2/NDF: 1207242.0/74

- sign 1783.341+/-0.261 χ^2/NDF: 449186.8/37



Right In: 108.131+/-231.711 χ^2/NDF: 14.2/15

Left Out: 40.415+/-121.201 χ^2/NDF:16.9/20

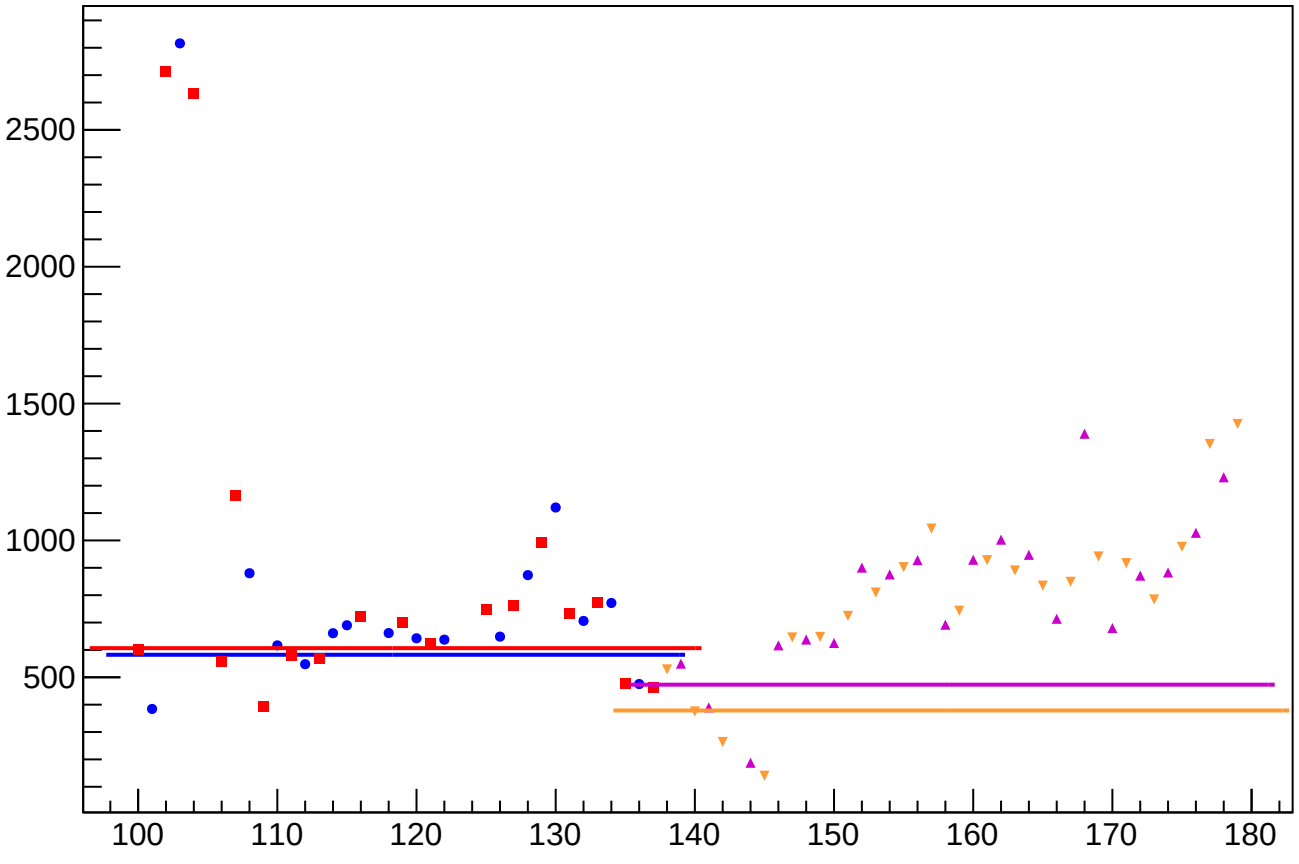
Right Out: 135.358+/-245.933 χ^2/NDF: 14.4/17

Left In: -146.629+/-139.412 χ^2/NDF:15.3/19

+ sign 54.962+/-107.396 χ^2/NDF: 31.1/36

All: -3.498+/-80.404 χ^2/NDF: 62.4/74

- sign -78.051+/-121.281 χ^2/NDF: 30.7/37



Right In: 582.270+/-0.164 χ^2/NDF: 1754301.3/15

Left Out: 378.686+/-0.086 χ^2/NDF:13011937.2/20

Right Out: 606.451+/-0.174 χ^2/NDF: 2198399.5/17

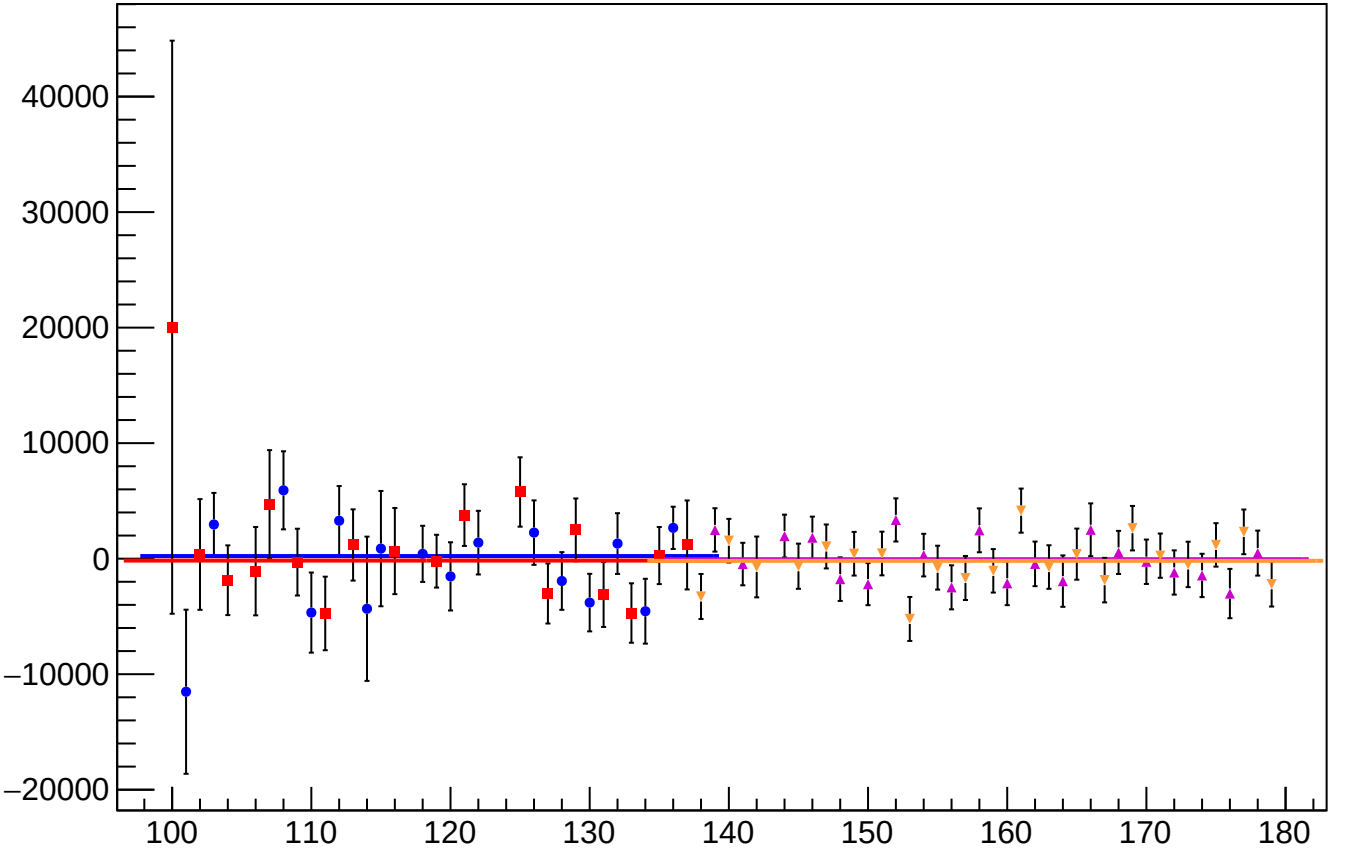
Left In: 472.991+/-0.099 χ^2/NDF:9217350.8/19

+ sign 422.421+/-0.076 χ^2/NDF: 15978490.2/36

All: 458.911+/-0.057 χ^2/NDF: 28365331.8/74

- sign 505.447+/-0.086 χ^2/NDF: 11861492.0/37

eigen_dit_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 226.227+/-718.556 χ^2/NDF: 19.4/15

Left Out: -187.093+/-424.727 χ^2/NDF:23.6/20

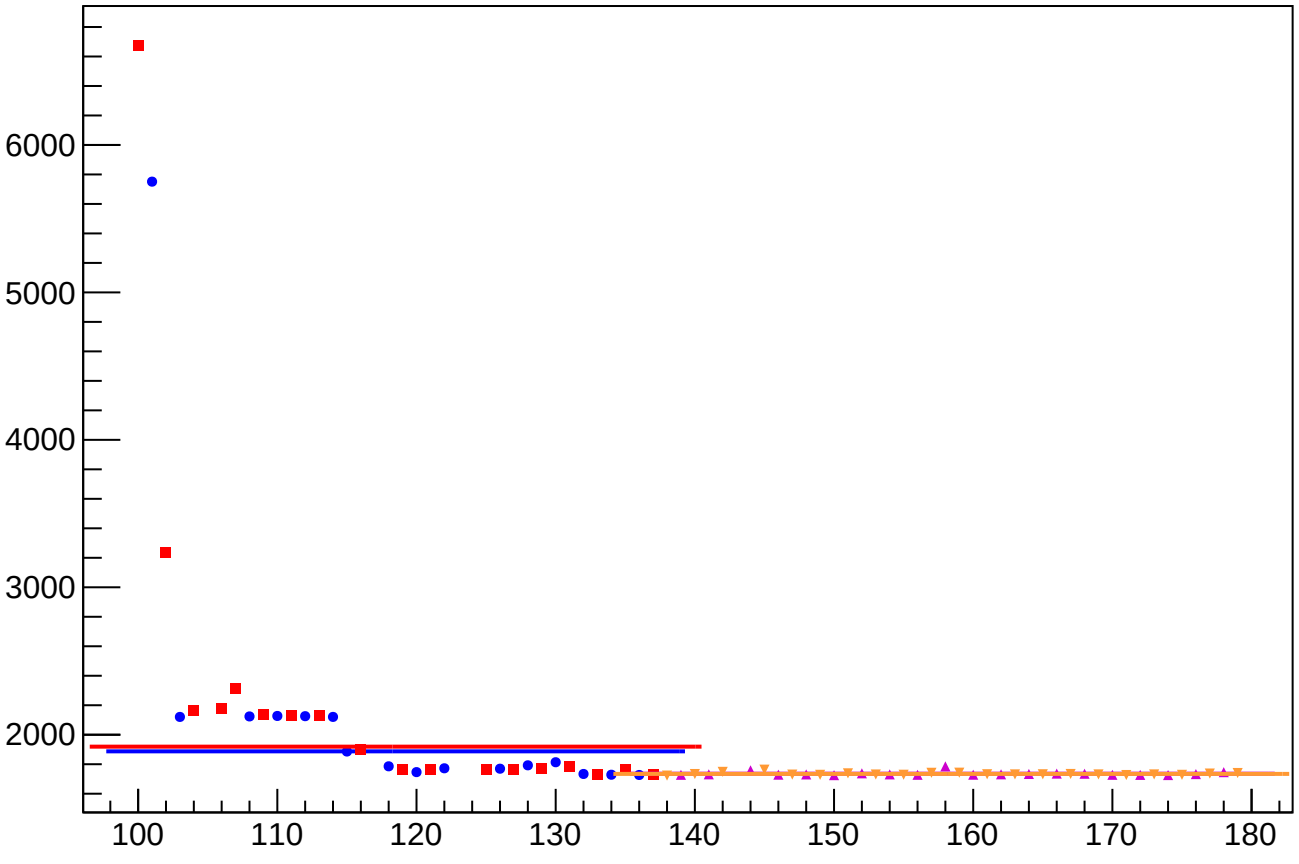
Right Out: -163.711+/-725.798 χ^2/NDF: 17.0/17

Left In: -46.251+/-429.344 χ^2/NDF:19.3/19

\+ sign -80.077+/-365.631 χ^2/NDF: 43.3/36

All: -78.406+/-259.908 χ^2/NDF: 79.7/74

\- sign -76.699+/-369.530 χ^2/NDF: 36.4/37



Right In: 1887.310+/-0.508 χ^2/NDF: 689442.4/15

Left Out: 1734.351+/-0.300 χ^2/NDF:798.0/20

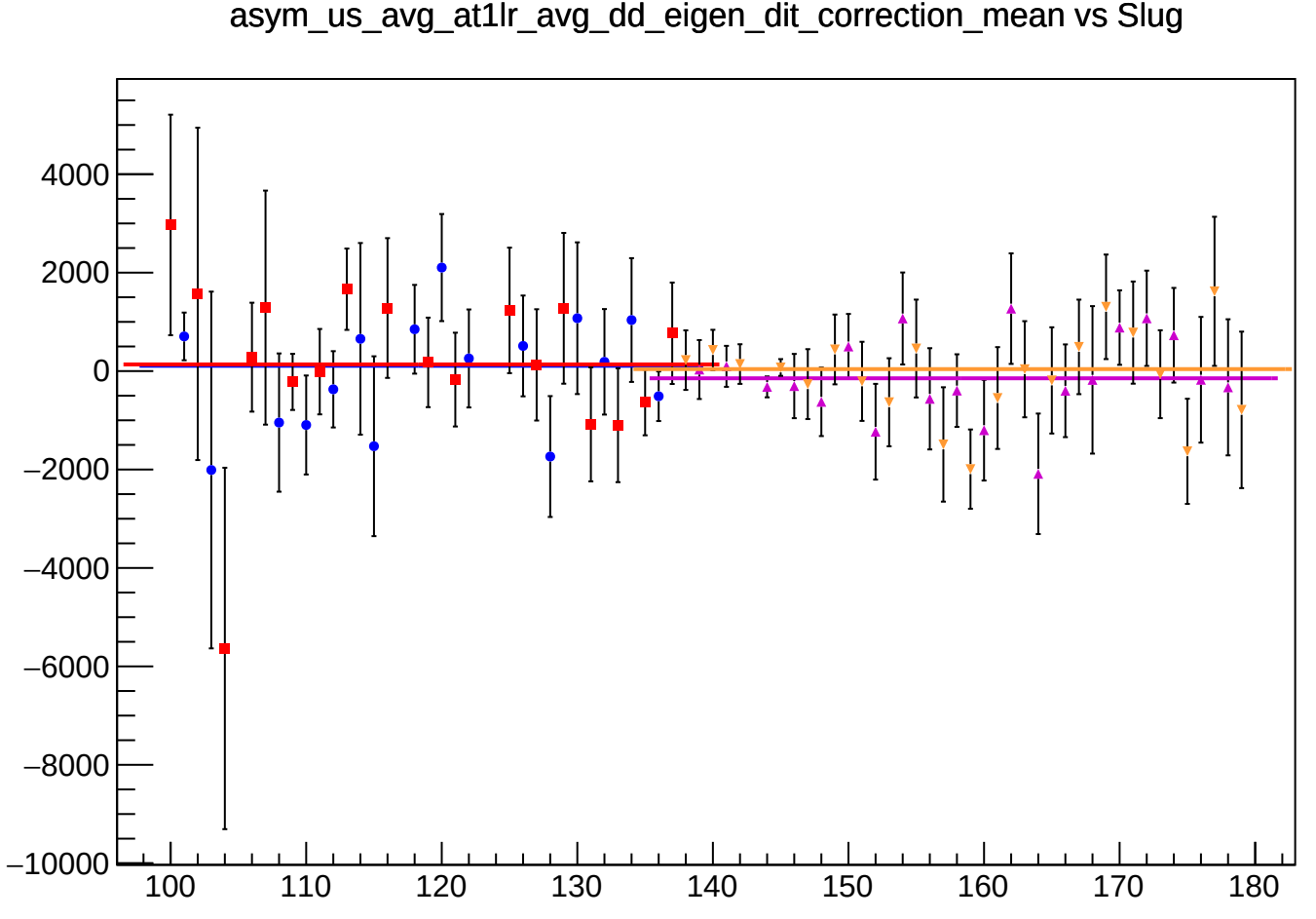
Right Out: 1919.164+/-0.513 χ^2/NDF: 352566.4/17

Left In: 1735.812+/-0.304 χ^2/NDF:2070.1/19

+ sign 1773.955+/-0.259 χ^2/NDF: 757402.9/36

All: 1778.598+/-0.184 χ^2/NDF: 1207240.8/74

- sign 1783.341+/-0.261 χ^2/NDF: 449185.9/37



Right In: 108.128+/-231.710 χ^2/NDF: 14.2/15

Left Out: 40.414+/-121.201 χ^2/NDF:16.9/20

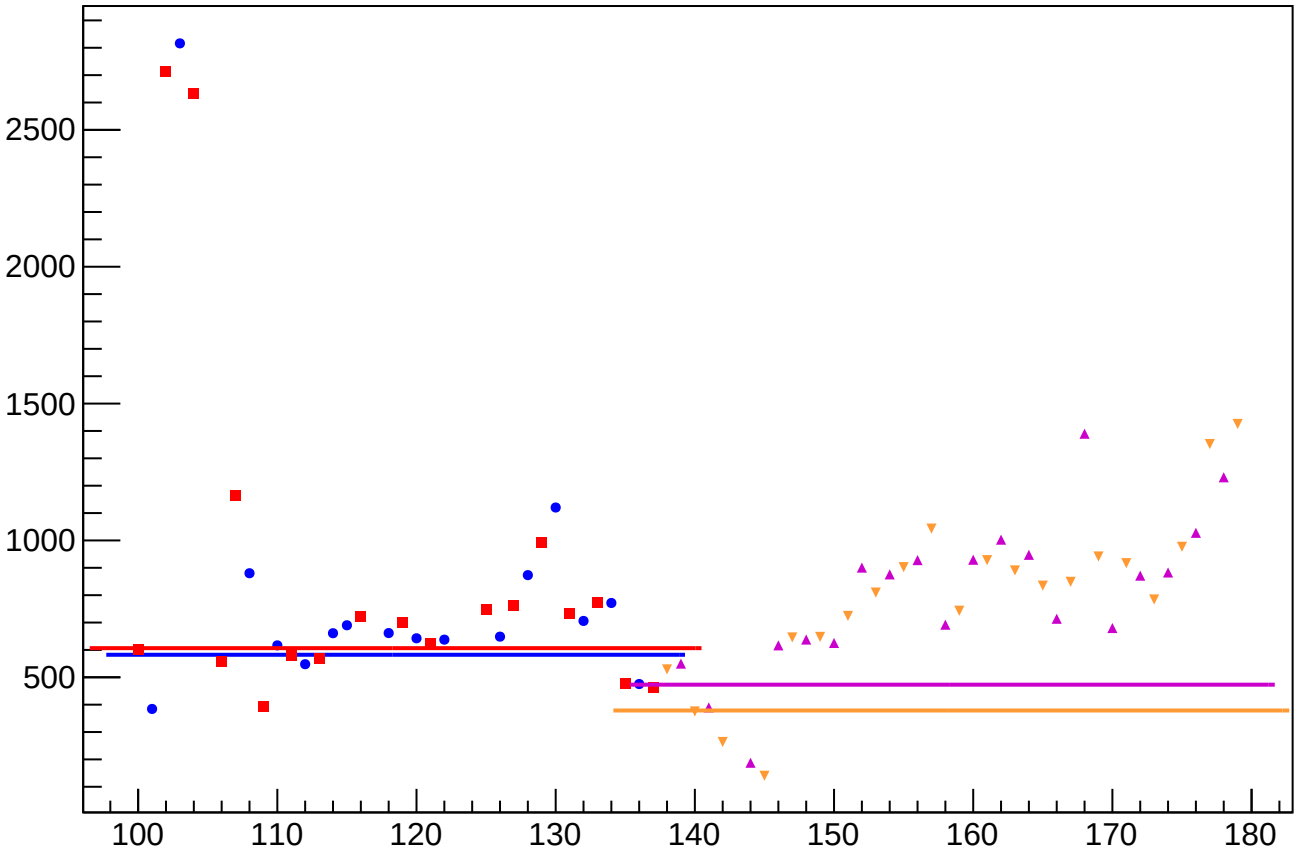
Right Out: 135.356+/-245.932 χ^2/NDF: 14.4/17

Left In: -146.629+/-139.413 χ^2/NDF:15.3/19

+ sign 54.961+/-107.396 χ^2/NDF: 31.1/36

All: -3.499+/-80.404 χ^2/NDF: 62.4/74

- sign -78.051+/-121.281 χ^2/NDF: 30.7/37



Right In: 582.268+/-0.164 χ^2/NDF: 1754289.3/15

Left Out: 378.686+/-0.086 χ^2/NDF:13011978.4/20

Right Out: 606.447+/-0.174 χ^2/NDF: 2198414.3/17

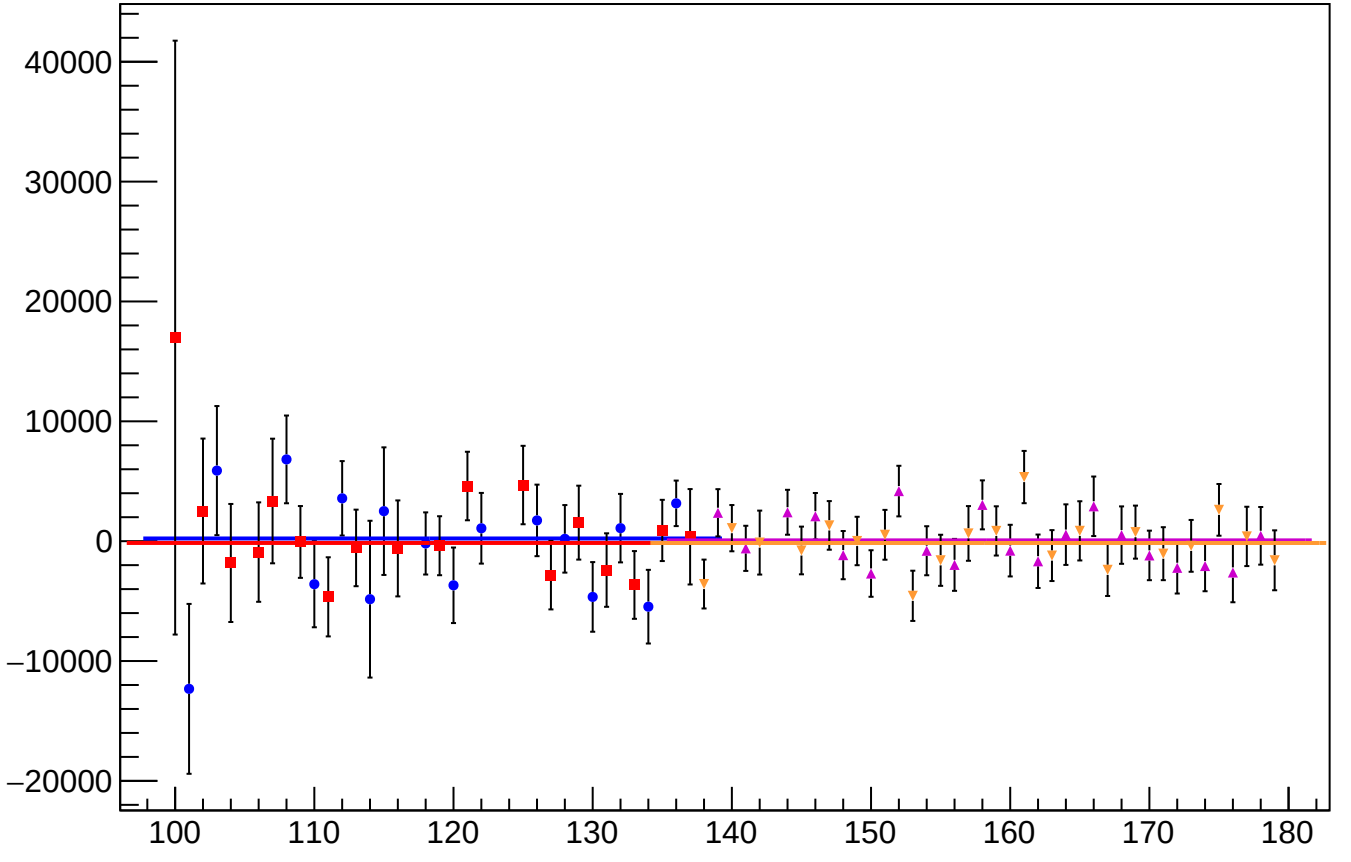
Left In: 472.991+/-0.099 χ^2/NDF:9217373.7/19

+ sign 422.421+/-0.076 χ^2/NDF: 15978504.4/36

All: 458.911+/-0.057 χ^2/NDF: 28365358.0/74

- sign 505.447+/-0.086 χ^2/NDF: 11861503.9/37

asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 224.521+/-791.678 χ^2/NDF: 21.2/15

Left Out: -150.756+/-473.231 χ^2/NDF:19.4/20

Right Out: -147.974+/-794.180 χ^2/NDF: 11.6/17

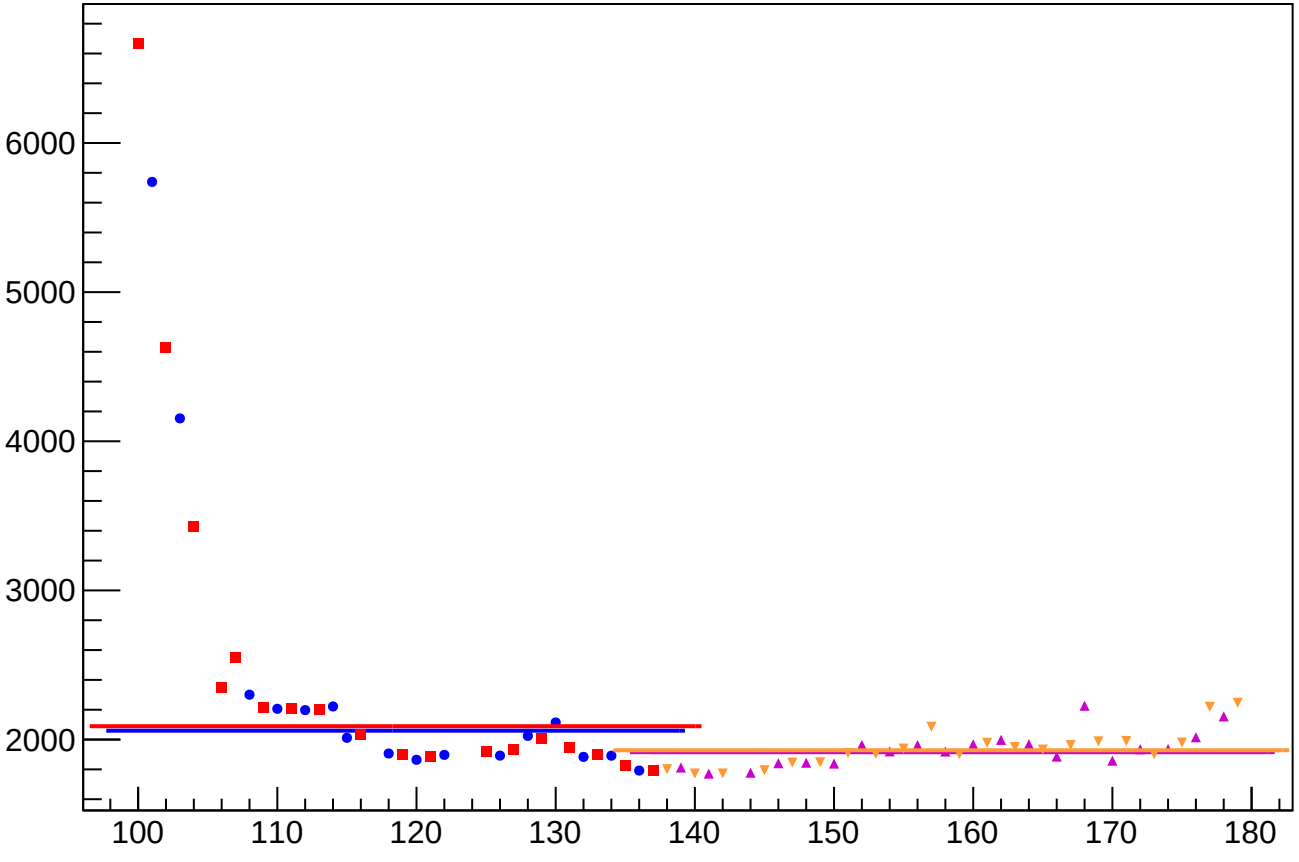
Left In: 66.018+/-474.546 χ^2/NDF:19.4/19

+ sign -51.964+/-406.194 χ^2/NDF: 40.8/36

All: -21.213+/-287.635 χ^2/NDF: 71.8/74

- sign 9.716+/-407.363 χ^2/NDF: 31.0/37

asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 2059.496+/-0.560 χ^2/NDF: 939873.6/15

Left Out: 1928.233+/-0.335 χ^2/NDF:120049.3/20

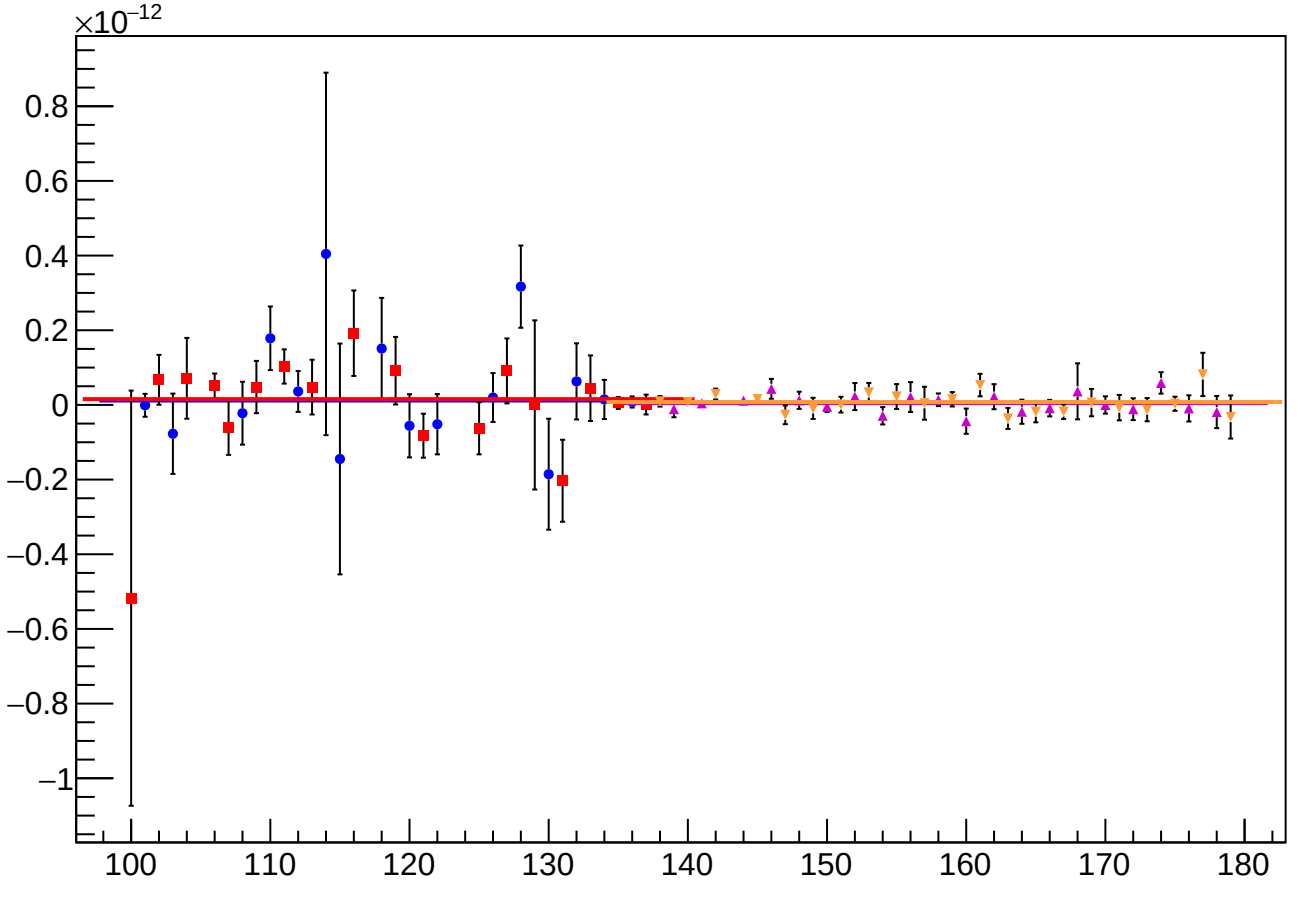
Right Out: 2089.476+/-0.562 χ^2/NDF: 681465.8/17

Left In: 1915.256+/-0.336 χ^2/NDF:102329.3/19

+ sign 1962.788+/-0.287 χ^2/NDF: 1100430.9/36

All: 1961.943+/-0.203 χ^2/NDF: 1955168.6/74

- sign 1961.094+/-0.288 χ^2/NDF: 854720.4/37



Right In: 0.000+/-0.000 χ^2/NDF: 18.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:16.3/20

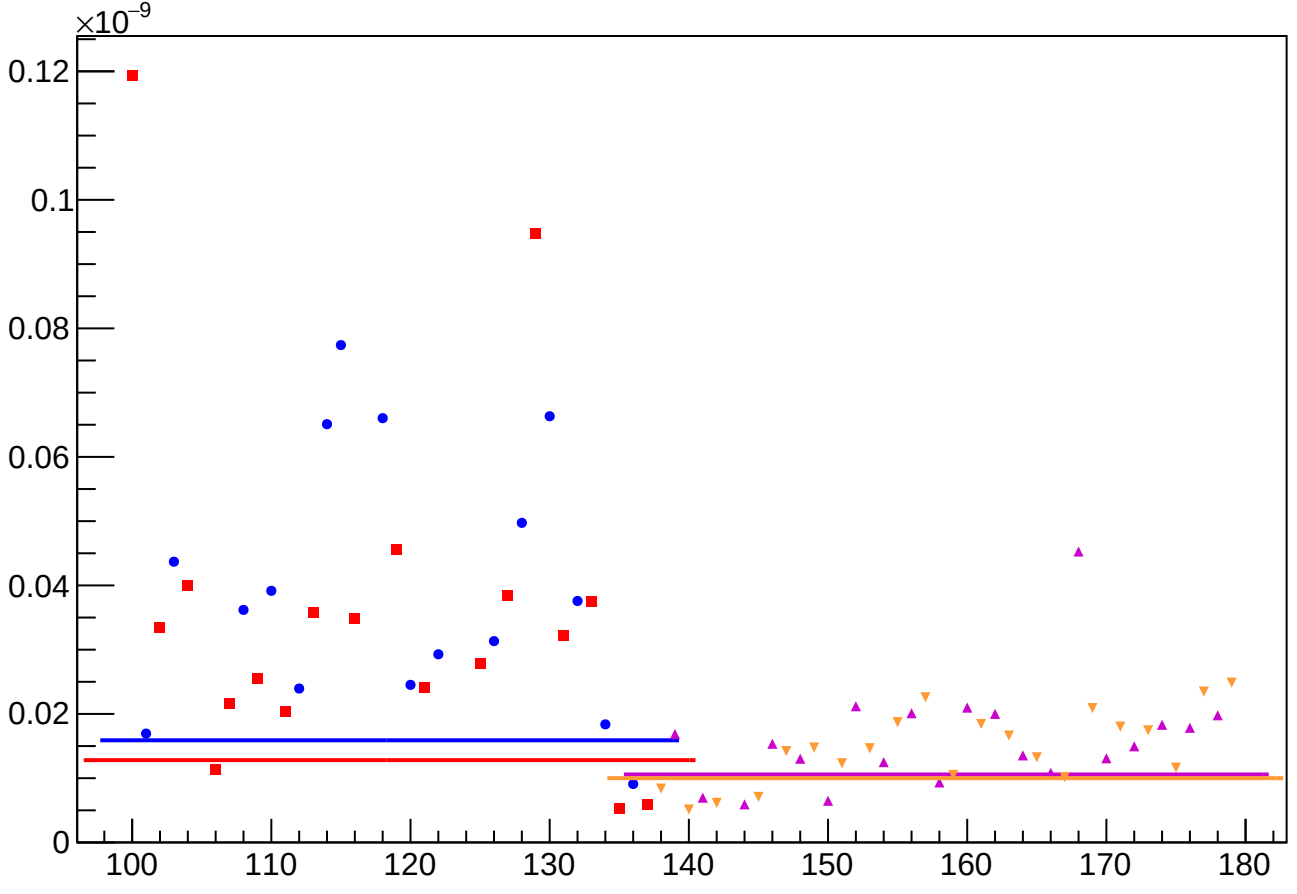
Right Out: 0.000+/-0.000 χ^2/NDF: 20.7/17

Left In: 0.000+/-0.000 χ^2/NDF:14.2/19

+ sign 0.000+/-0.000 χ^2/NDF: 34.4/36

All: 0.000+/-0.000 χ^2/NDF: 70.3/74

- sign 0.000+/-0.000 χ^2/NDF: 35.8/37



Right In: 0.000+/-0.000 χ^2/NDF: 1935582.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:2250395.0/20

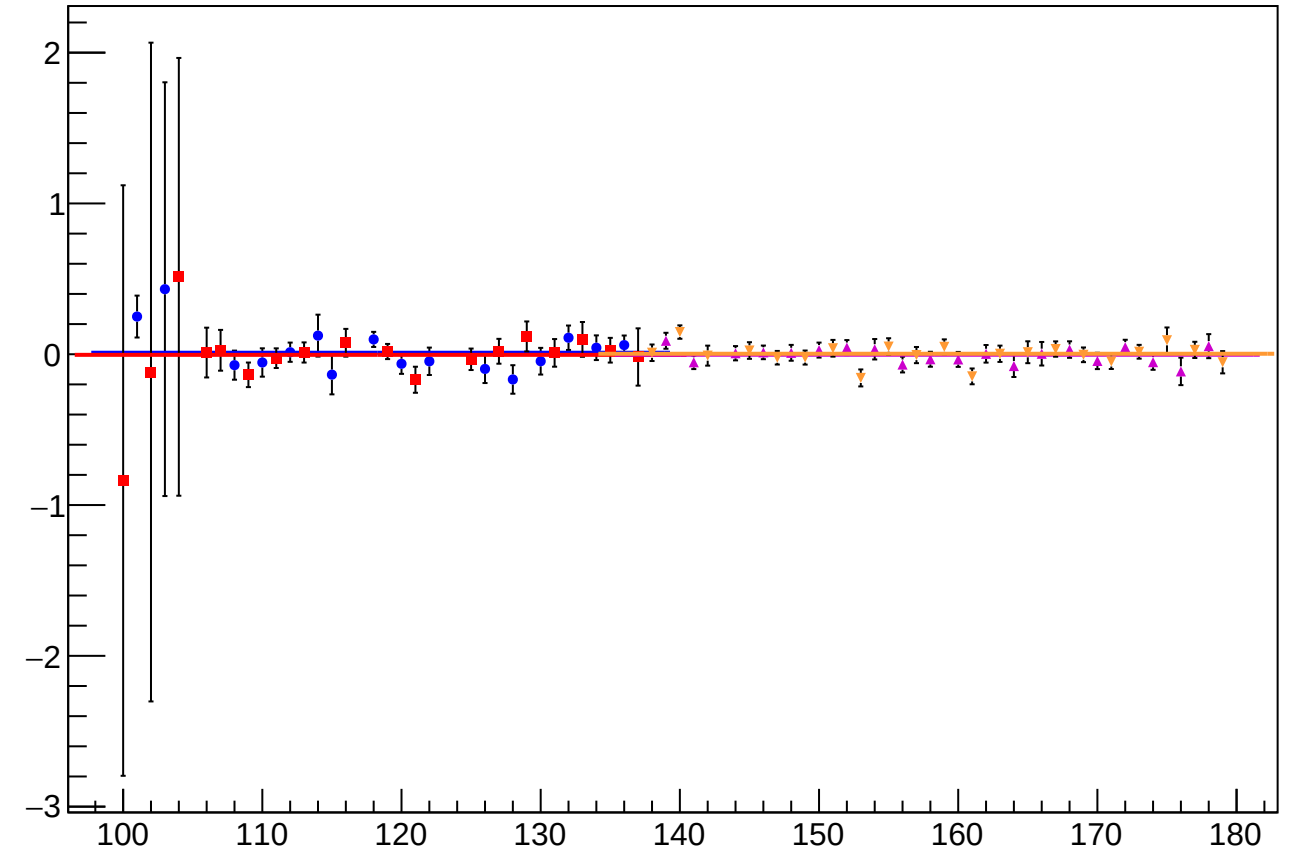
Right Out: 0.000+/-0.000 χ^2/NDF: 2486058.2/17

Left In: 0.000+/-0.000 χ^2/NDF:2562817.8/19

+ sign 0.000+/-0.000 χ^2/NDF: 4637017.8/36

All: 0.000+/-0.000 χ^2/NDF: 9760551.6/74

- sign 0.000+/-0.000 χ^2/NDF: 5121876.2/37



Right In: 0.010+/-0.021 χ^2/NDF: 18.4/15

Left Out: 0.003+/-0.012 χ^2/NDF:33.0/20

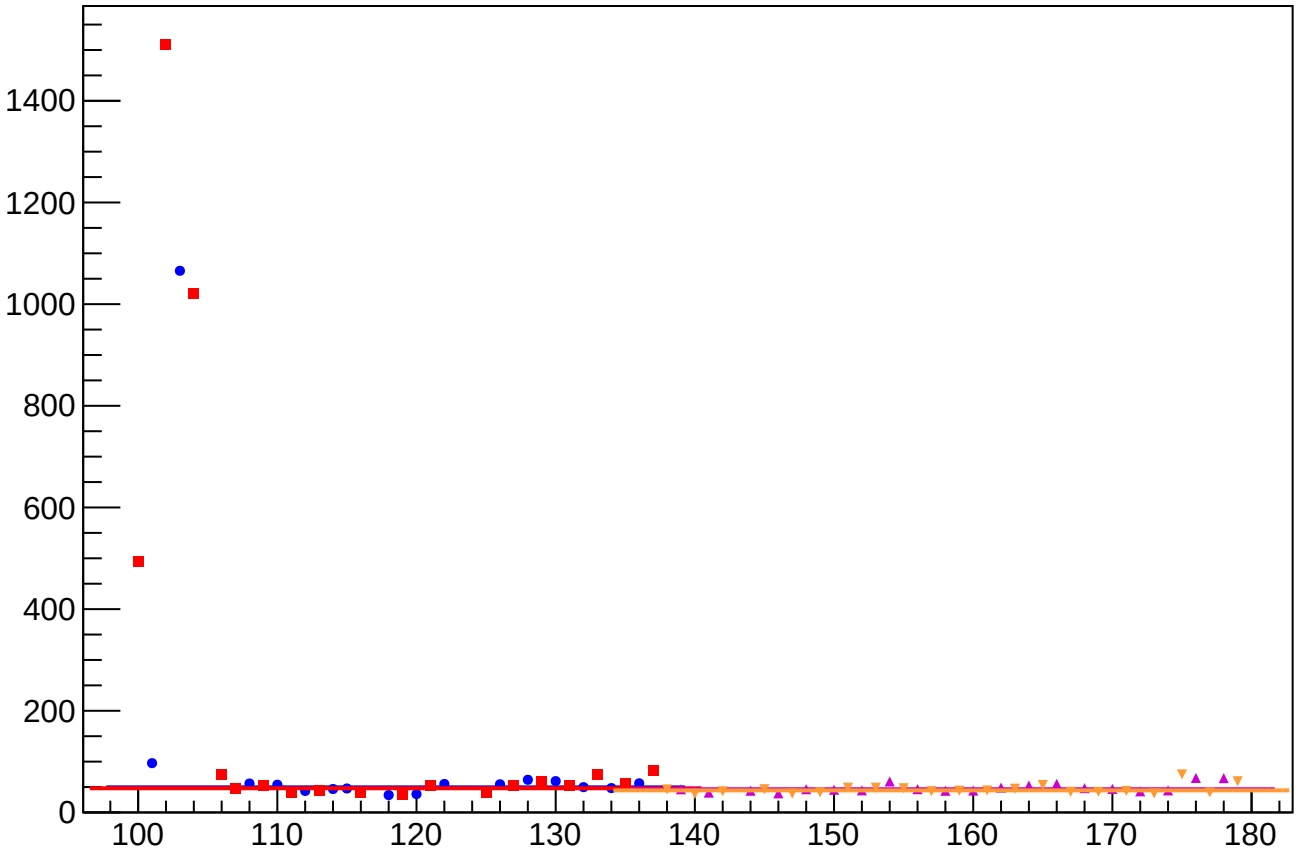
Right Out: -0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: -0.003+/-0.012 χ^2/NDF:14.4/19

+ sign 0.005+/-0.010 χ^2/NDF: 51.6/36

All: 0.001+/-0.007 χ^2/NDF: 76.8/74

- sign -0.003+/-0.011 χ^2/NDF: 24.9/37



Right In: 49.333+/-0.015 χ^2/NDF: 1776998.3/15

Left Out: 43.424+/-0.008 χ^2/NDF:655830.1/20

Right Out: 47.599+/-0.015 χ^2/NDF: 2418219.3/17

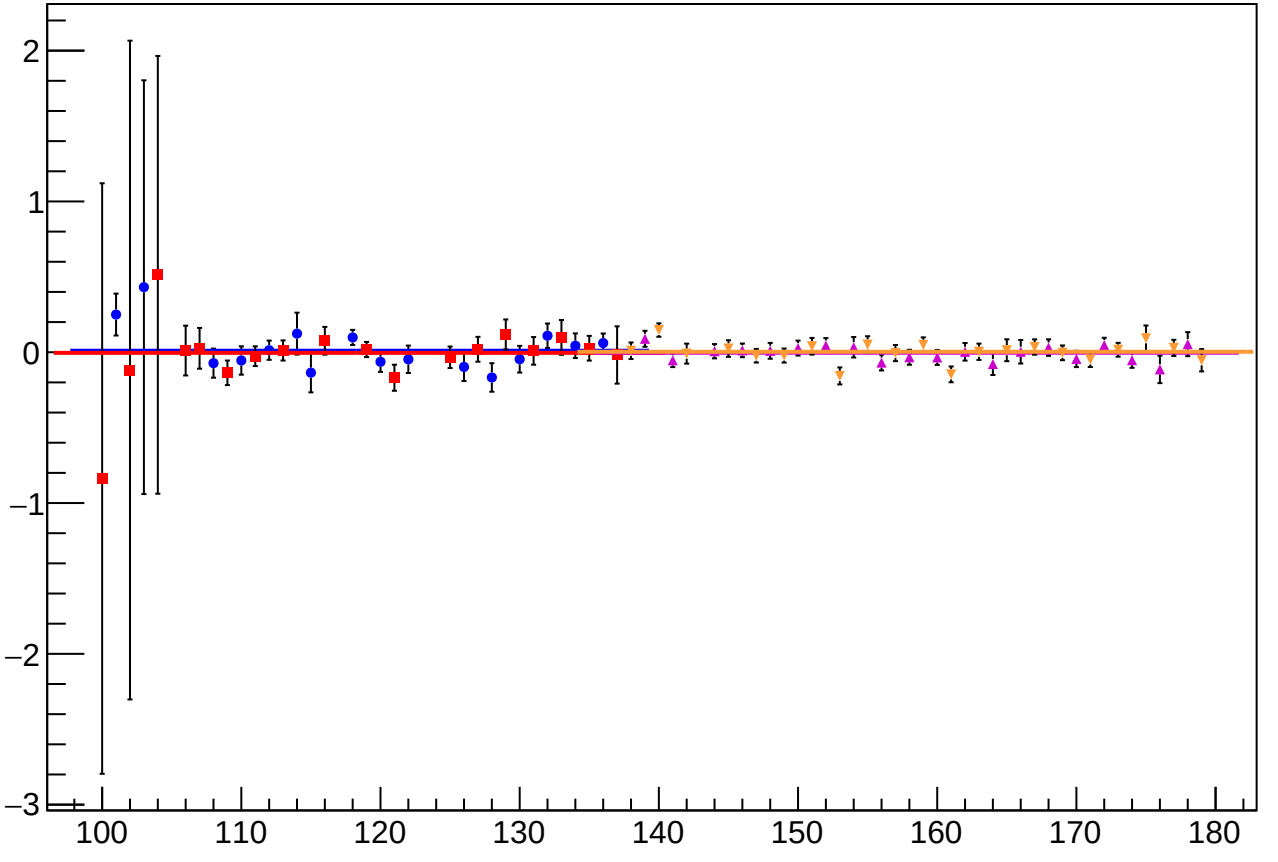
Left In: 45.675+/-0.009 χ^2/NDF:587286.4/19

+ sign 44.827+/-0.007 χ^2/NDF: 2554077.1/36

All: 45.461+/-0.005 χ^2/NDF: 5587708.4/74

- sign 46.143+/-0.007 χ^2/NDF: 3017638.0/37

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.010+/-0.021 χ^2/NDF: 18.4/15

Left Out: 0.003+/-0.012 χ^2/NDF:33.0/20

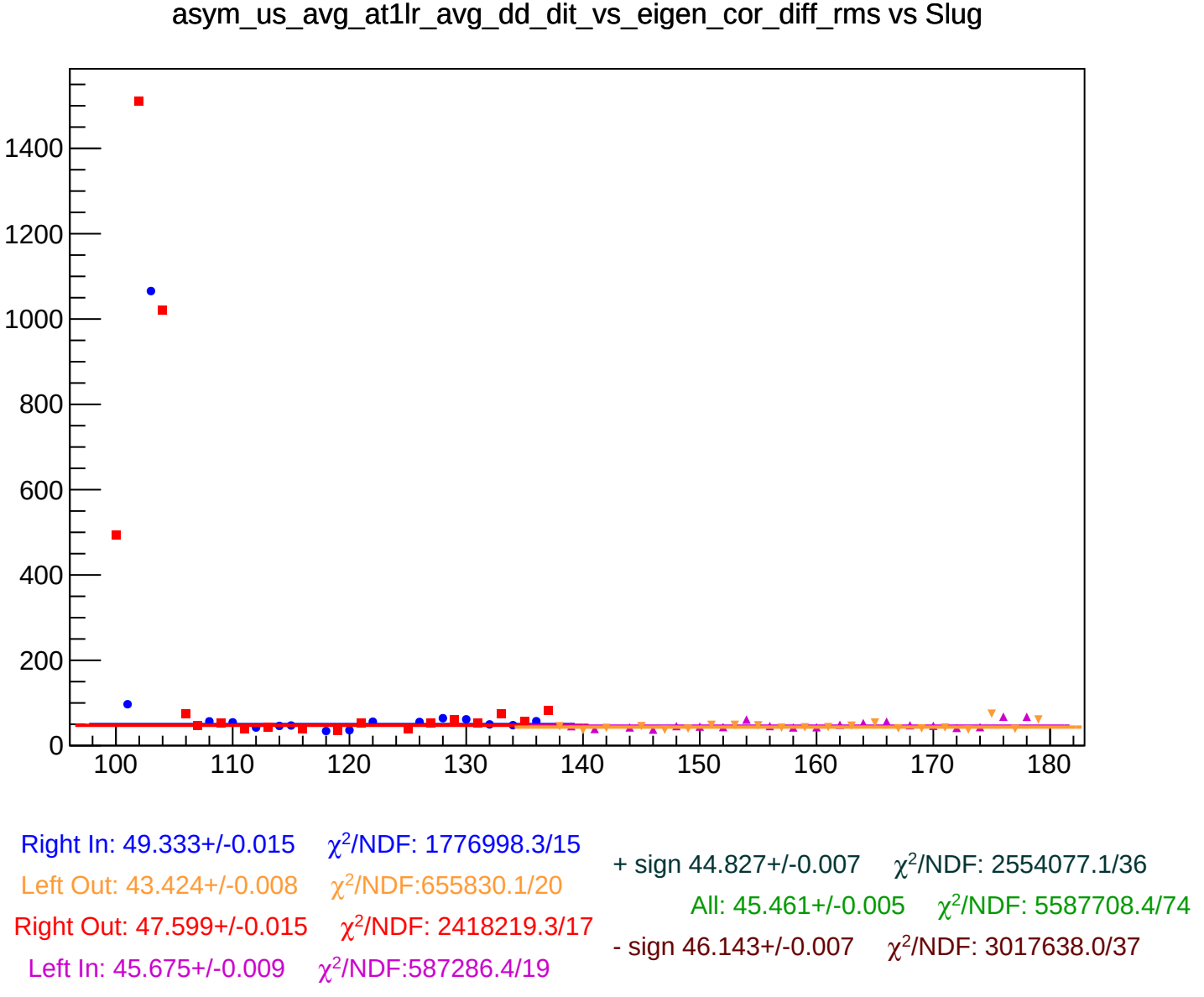
Right Out: -0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: -0.003+/-0.012 χ^2/NDF:14.4/19

+ sign 0.005+/-0.010 χ^2/NDF: 51.6/36

All: 0.001+/-0.007 χ^2/NDF: 76.8/74

- sign -0.003+/-0.011 χ^2/NDF: 24.9/37


asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug
1400
1200
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400
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0
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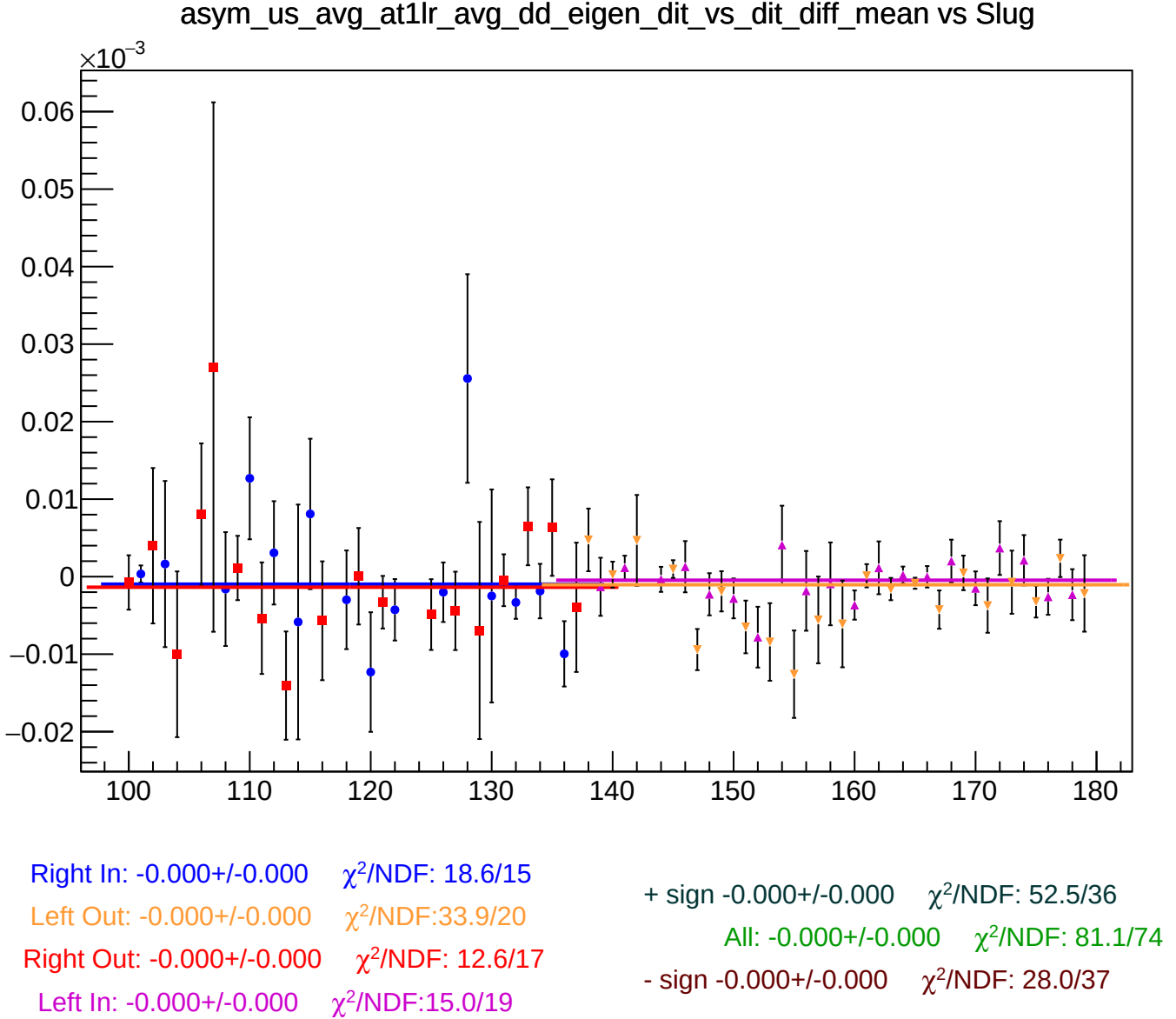
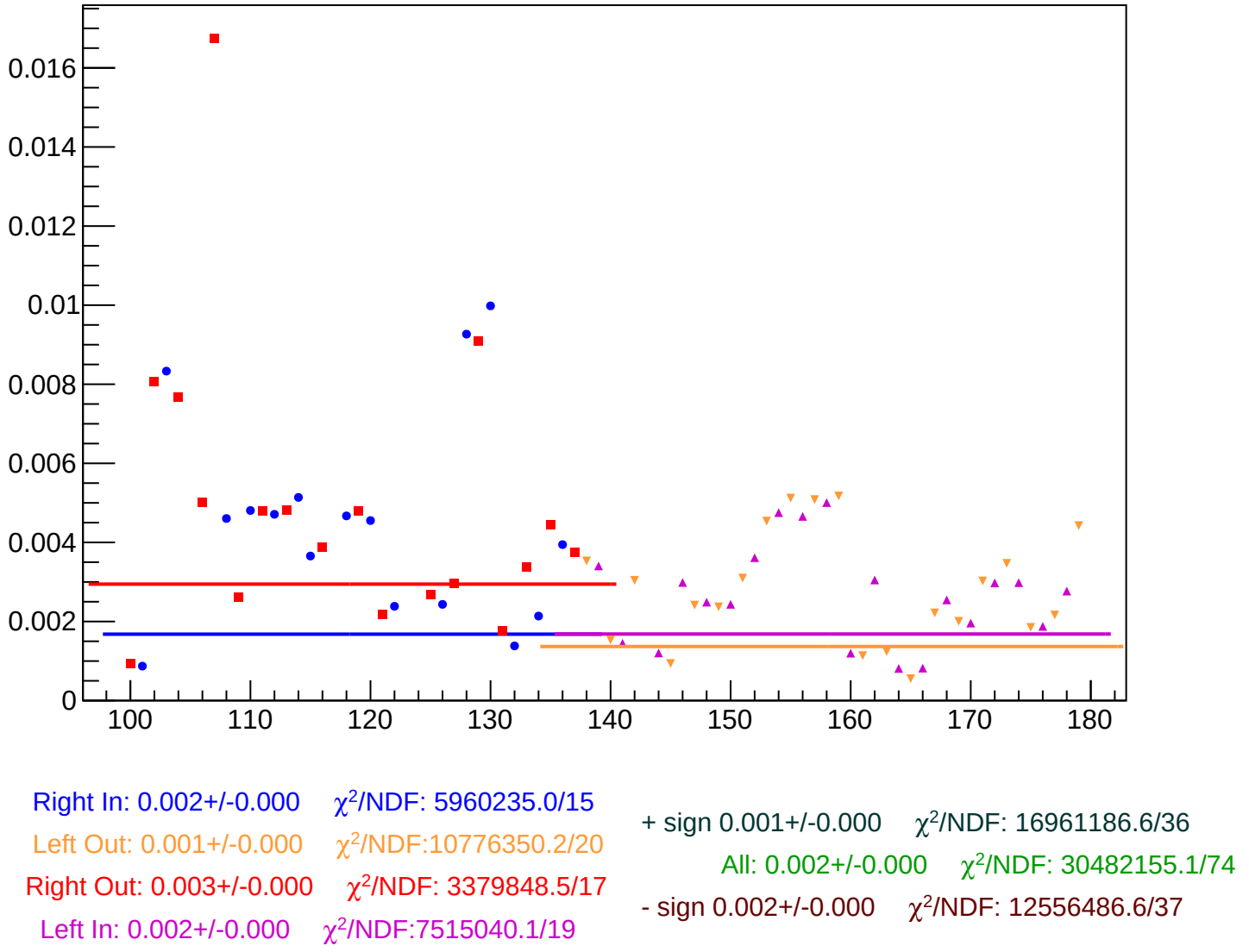
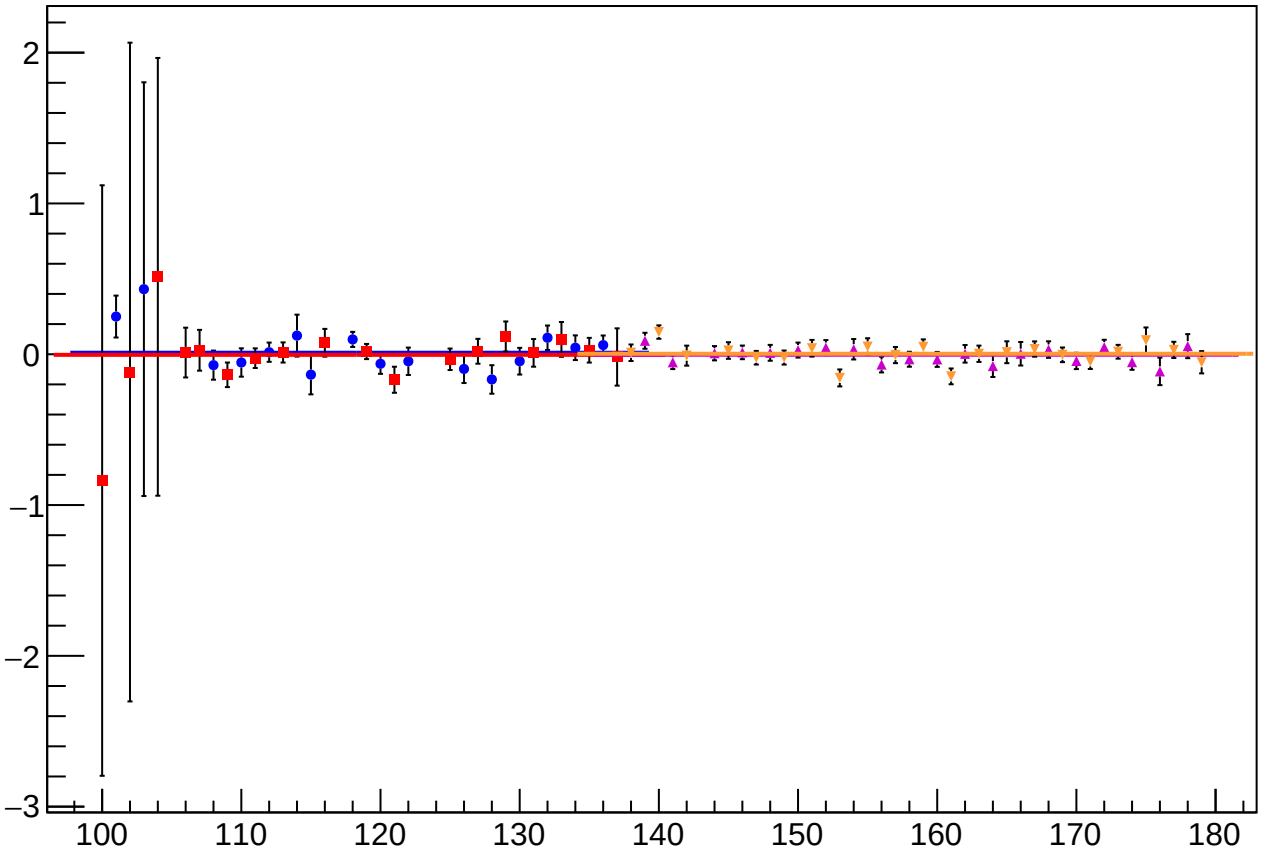
120
130
140
150
160
170
180
Right In: 49.333+/-0.015 χ²/NDF: 1776998.3/15
Left Out: 43.424+/-0.008 χ²/NDF:655830.1/20
Right Out: 47.599+/-0.015 χ²/NDF: 2418219.3/17
Left In: 45.675+/-0.009 χ²/NDF:587286.4/19
+ sign 44.827+/-0.007 χ²/NDF: 2554077.1/36
All: 45.461+/-0.005 χ²/NDF: 5587708.4/74
- sign 46.143+/-0.007 χ²/NDF: 3017638.0/37


asym_us_avg_at1lr_avg_dd_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.06
0.05
0.04
0.03
0.02
0.01
0
−0.01
−0.02
100
110
120
130
140
150
160
170
180
Right In: -0.000+/-0.000 χ²/NDF: 18.6/15
Left Out: -0.000+/-0.000 χ²/NDF:33.9/20
Right Out: -0.000+/-0.000 χ²/NDF: 12.6/17
Left In: -0.000+/-0.000 χ²/NDF:15.0/19
+ sign -0.000+/-0.000 χ²/NDF: 52.5/36
All: -0.000+/-0.000 χ²/NDF: 81.1/74
- sign -0.000+/-0.000 χ²/NDF: 28.0/37


asym_us_avg_at1lr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
0
100
110
120
130
140
150
160
170
180
Right In: 0.002+/-0.000 χ²/NDF: 5960235.0/15
Left Out: 0.001+/-0.000 χ²/NDF:10776350.2/20
Right Out: 0.003+/-0.000 χ²/NDF: 3379848.5/17
Left In: 0.002+/-0.000 χ²/NDF:7515040.1/19
+ sign 0.001+/-0.000 χ²/NDF: 16961186.6/36
All: 0.002+/-0.000 χ²/NDF: 30482155.1/74
- sign 0.002+/-0.000 χ²/NDF: 12556486.6/37



Right In: 0.010+/-0.021 χ^2/NDF: 18.4/15

Left Out: 0.003+/-0.012 χ^2/NDF:33.0/20

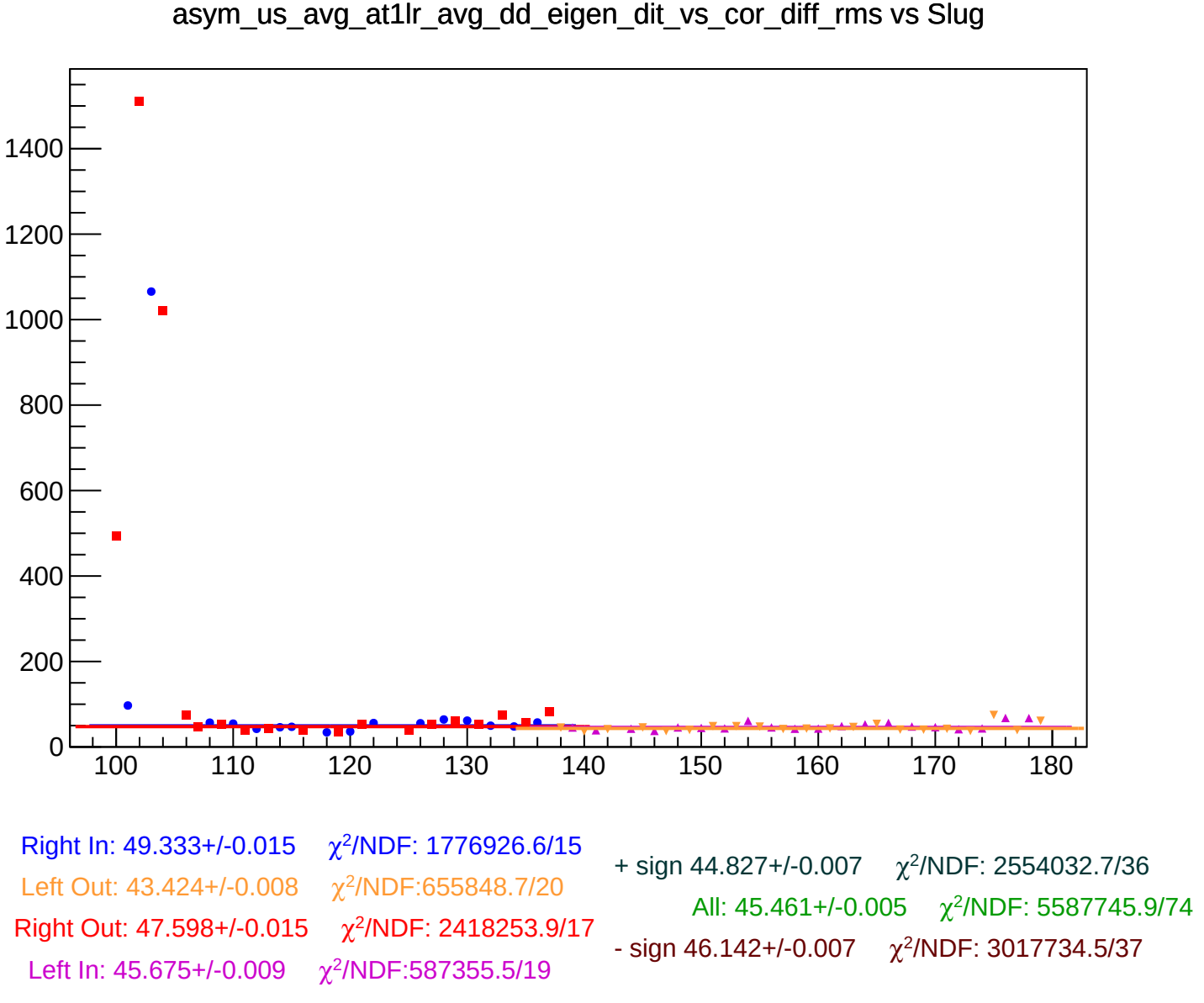
Right Out: -0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: -0.003+/-0.012 χ^2/NDF:14.4/19

+ sign 0.005+/-0.010 χ^2/NDF: 51.6/36

All: 0.001+/-0.007 χ^2/NDF: 76.8/74

- sign -0.003+/-0.011 χ^2/NDF: 24.9/37


asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug
1400
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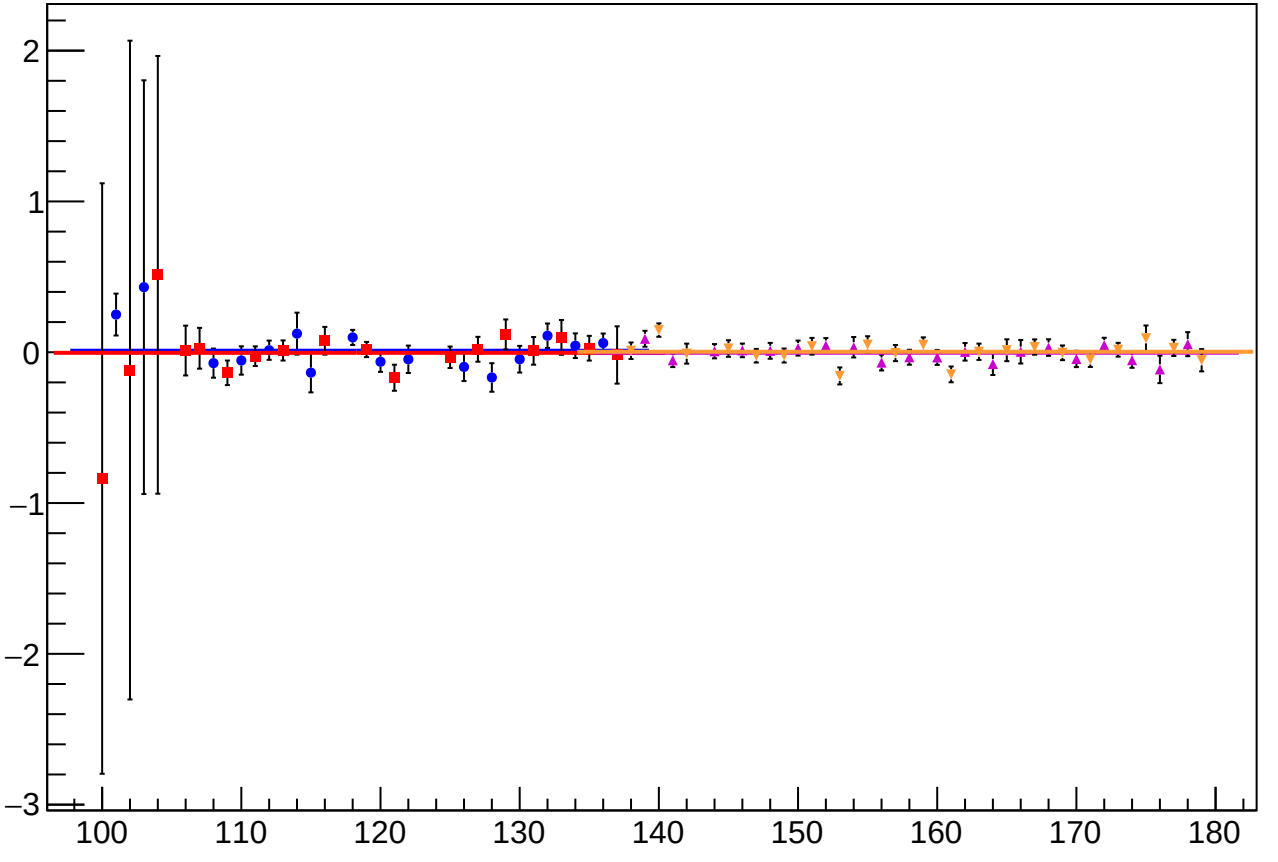
170
180
Right In: 49.333+/-0.015 χ²/NDF: 1776926.6/15
Left Out: 43.424+/-0.008 χ²/NDF:655848.7/20
Right Out: 47.598+/-0.015 χ²/NDF: 2418253.9/17
Left In: 45.675+/-0.009 χ²/NDF:587355.5/19
+ sign 44.827+/-0.007 χ²/NDF: 2554032.7/36
All: 45.461+/-0.005 χ²/NDF: 5587745.9/74
- sign 46.142+/-0.007 χ²/NDF: 3017734.5/37

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.010+/-0.021 χ^2/NDF: 18.4/15

Left Out: 0.003+/-0.012 χ^2/NDF:33.0/20

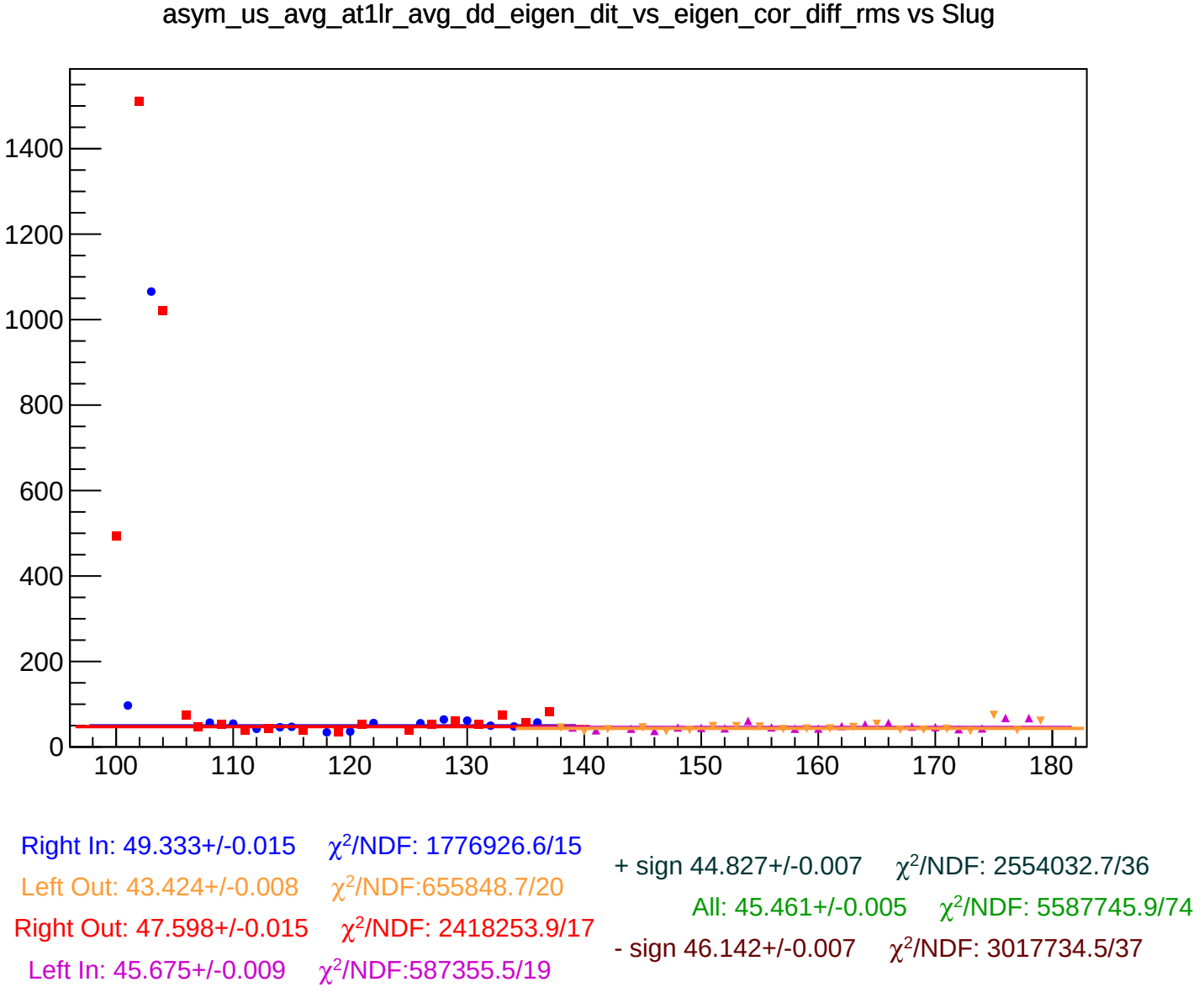
Right Out: -0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: -0.003+/-0.012 χ^2/NDF:14.4/19

+ sign 0.005+/-0.010 χ^2/NDF: 51.6/36

All: 0.001+/-0.007 χ^2/NDF: 76.8/74

- sign -0.003+/-0.011 χ^2/NDF: 24.9/37


asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
1400
1200
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100
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120
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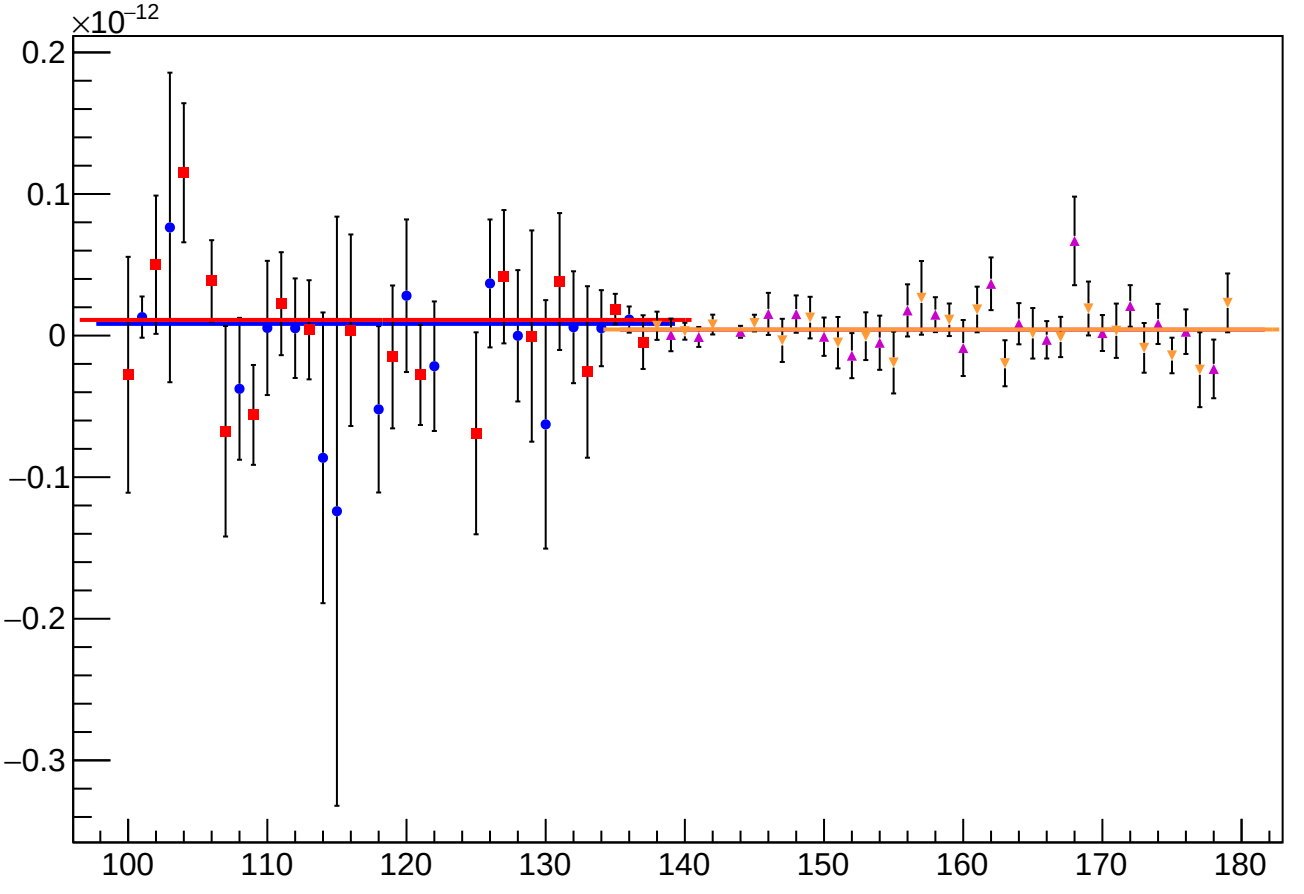
160
170
180
Right In: 49.333+/-0.015 χ²/NDF: 1776926.6/15
Left Out: 43.424+/-0.008 χ²/NDF:655848.7/20
Right Out: 47.598+/-0.015 χ²/NDF: 2418253.9/17
Left In: 45.675+/-0.009 χ²/NDF:587355.5/19
+ sign 44.827+/-0.007 χ²/NDF: 2554032.7/36
All: 45.461+/-0.005 χ²/NDF: 5587745.9/74
- sign 46.142+/-0.007 χ²/NDF: 3017734.5/37



Right In: 0.000+/-0.000 χ^2/NDF: 5.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.5/20

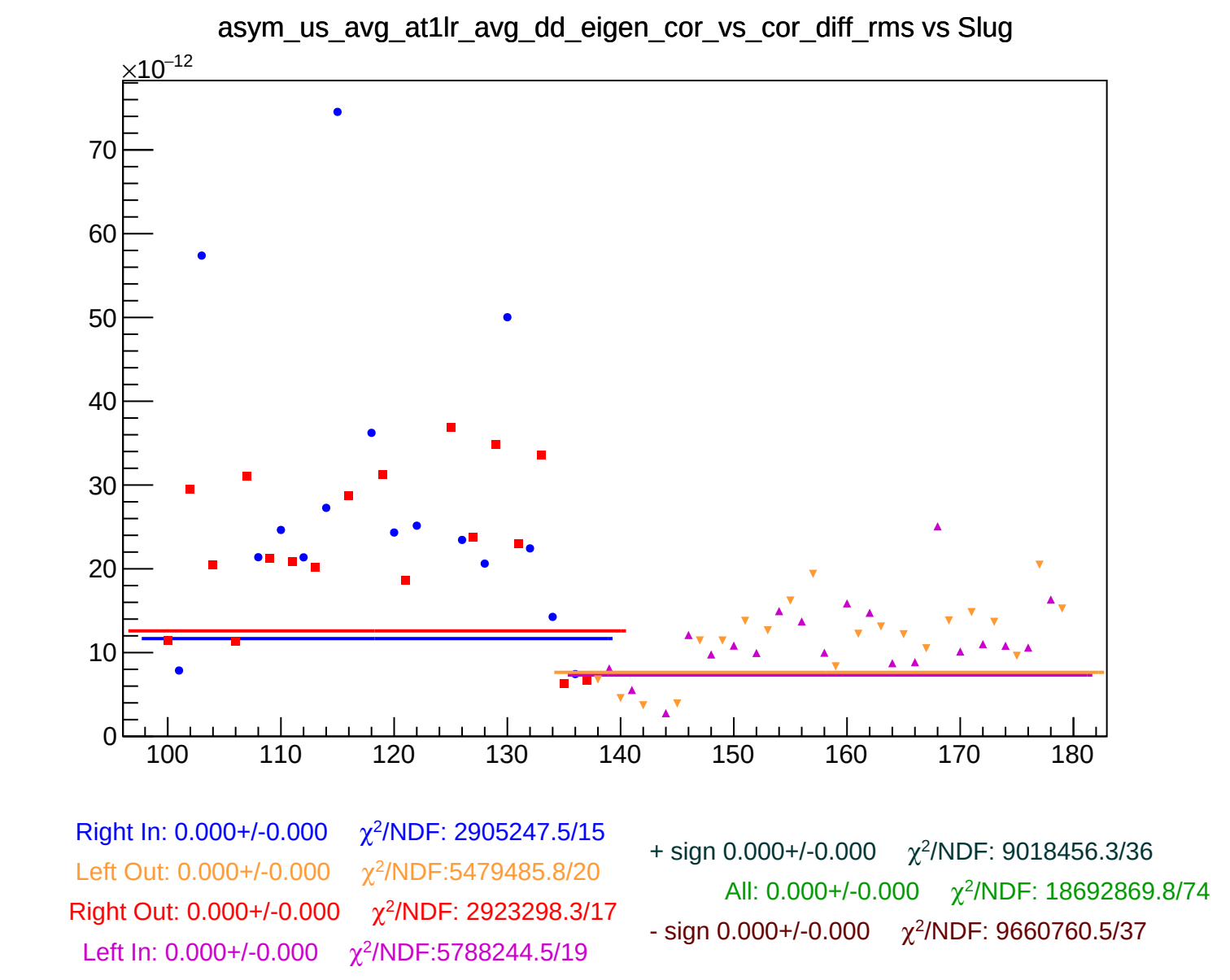
Right Out: 0.000+/-0.000 χ^2/NDF: 16.2/17

Left In: 0.000+/-0.000 χ^2/NDF:16.1/19

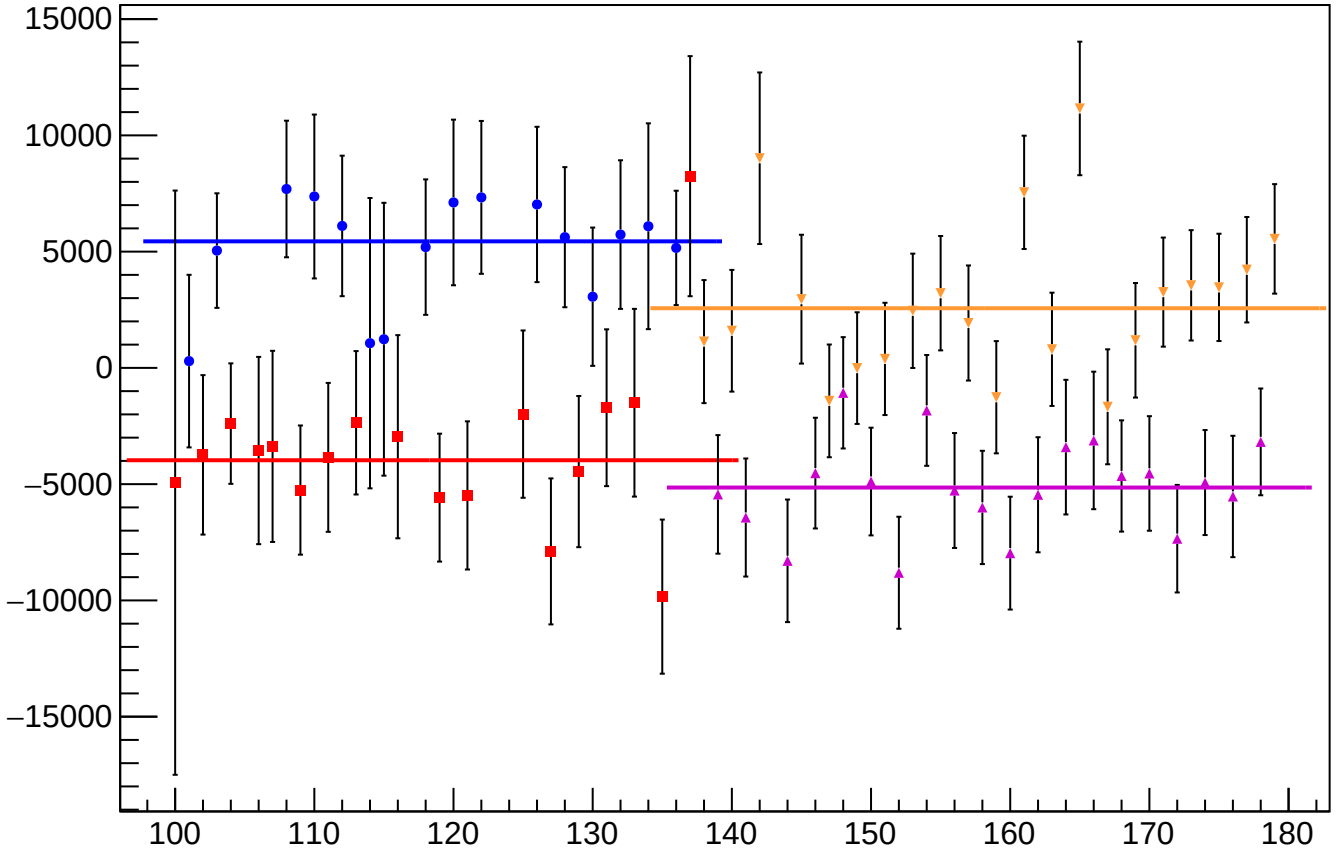
+ sign 0.000+/-0.000 χ^2/NDF: 18.2/36

All: 0.000+/-0.000 χ^2/NDF: 51.3/74

- sign 0.000+/-0.000 χ^2/NDF: 33.1/37


asym_us_avg_at1lr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
70
60
50
40
30
20
10
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2905247.5/15
Left Out: 0.000+/-0.000 χ²/NDF:5479485.8/20
Right Out: 0.000+/-0.000 χ²/NDF: 2923298.3/17
Left In: 0.000+/-0.000 χ²/NDF:5788244.5/19
+ sign 0.000+/-0.000 χ²/NDF: 9018456.3/36
All: 0.000+/-0.000 χ²/NDF: 18692869.8/74
- sign 0.000+/-0.000 χ²/NDF: 9660760.5/37

reg_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5442.336+/-812.534 χ^2/NDF: 5.4/15

Left Out: 2565.666+/-543.744 χ^2/NDF:30.3/20

Right Out: -3971.728+/-809.023 χ^2/NDF: 13.0/17

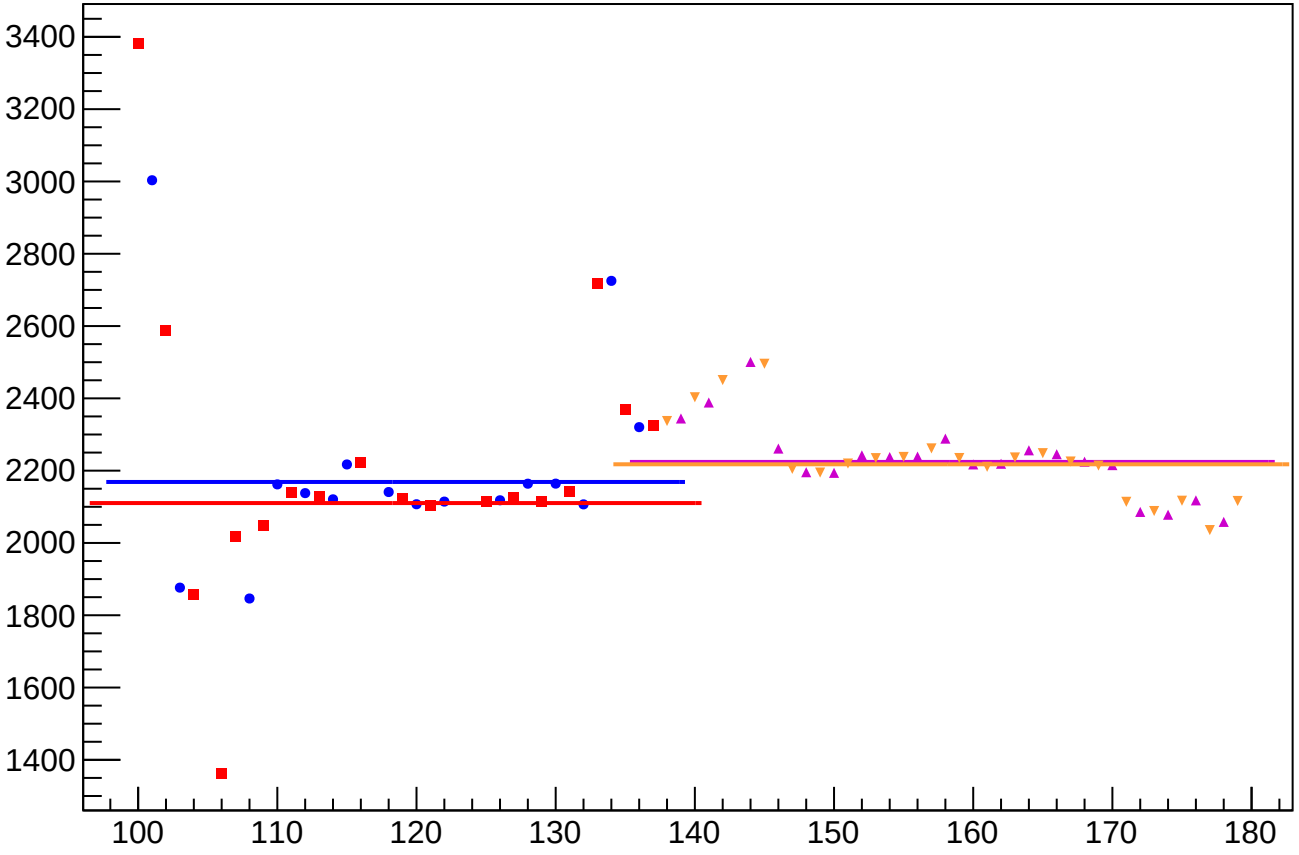
Left In: -5145.644+/-550.735 χ^2/NDF:13.0/19

+ sign 3455.443+/-451.894 χ^2/NDF: 44.3/36

All: -628.697+/-320.721 χ^2/NDF: 236.3/74

- sign -4773.908+/-455.260 χ^2/NDF: 27.4/37

reg_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.5/15

Left Out: 2217.617+/-0.384 χ^2/NDF:74128.1/20

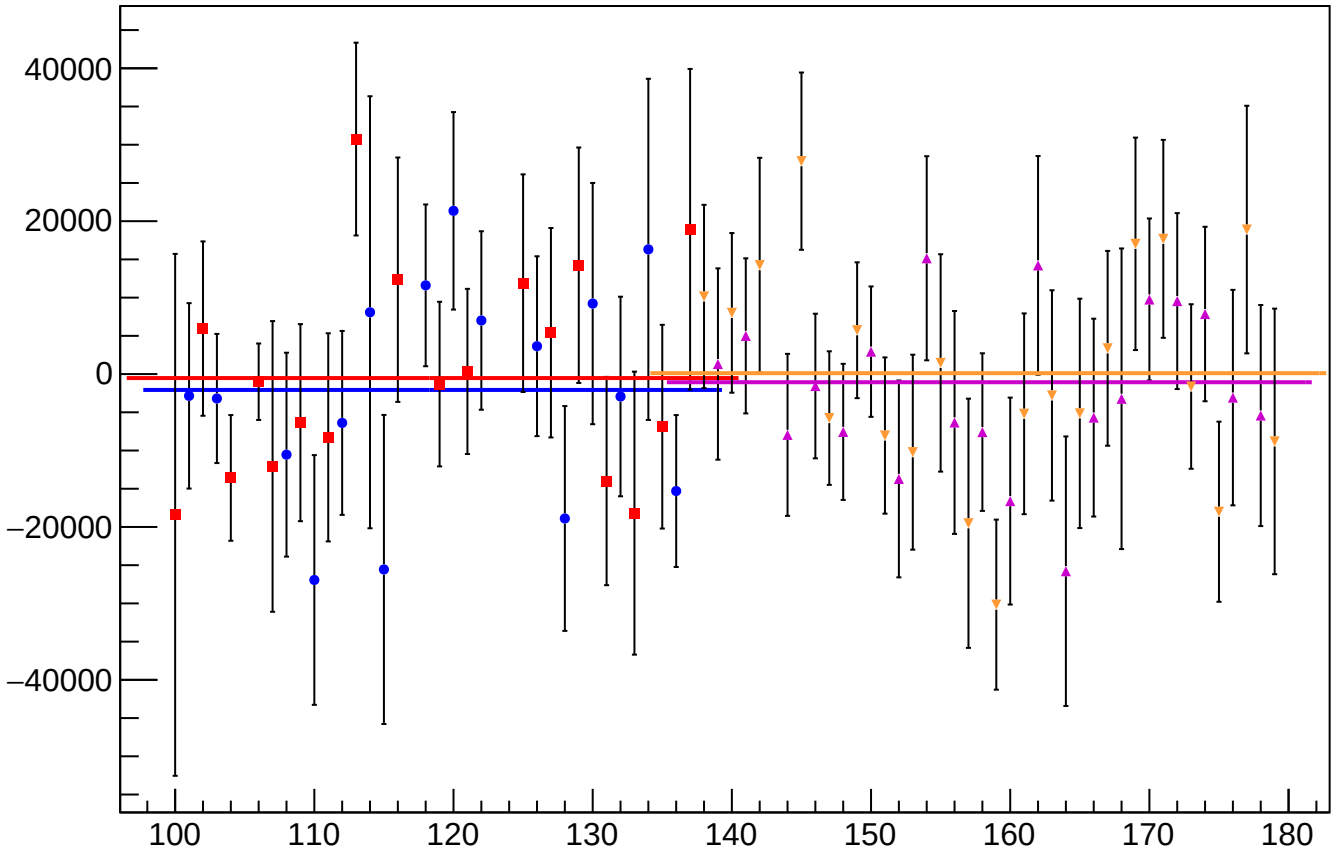
Right Out: 2110.365+/-0.563 χ^2/NDF: 267413.4/17

Left In: 2224.132+/-0.389 χ^2/NDF:67288.4/19

+ sign 2202.491+/-0.320 χ^2/NDF: 274791.0/36

All: 2194.920+/-0.226 χ^2/NDF: 638238.9/74

- sign 2187.314+/-0.320 χ^2/NDF: 362322.5/37



Right In: -2074.843+/-3212.093 χ^2/NDF: 14.4/15

Left Out: 117.449+/-2646.980 χ^2/NDF:26.7/20

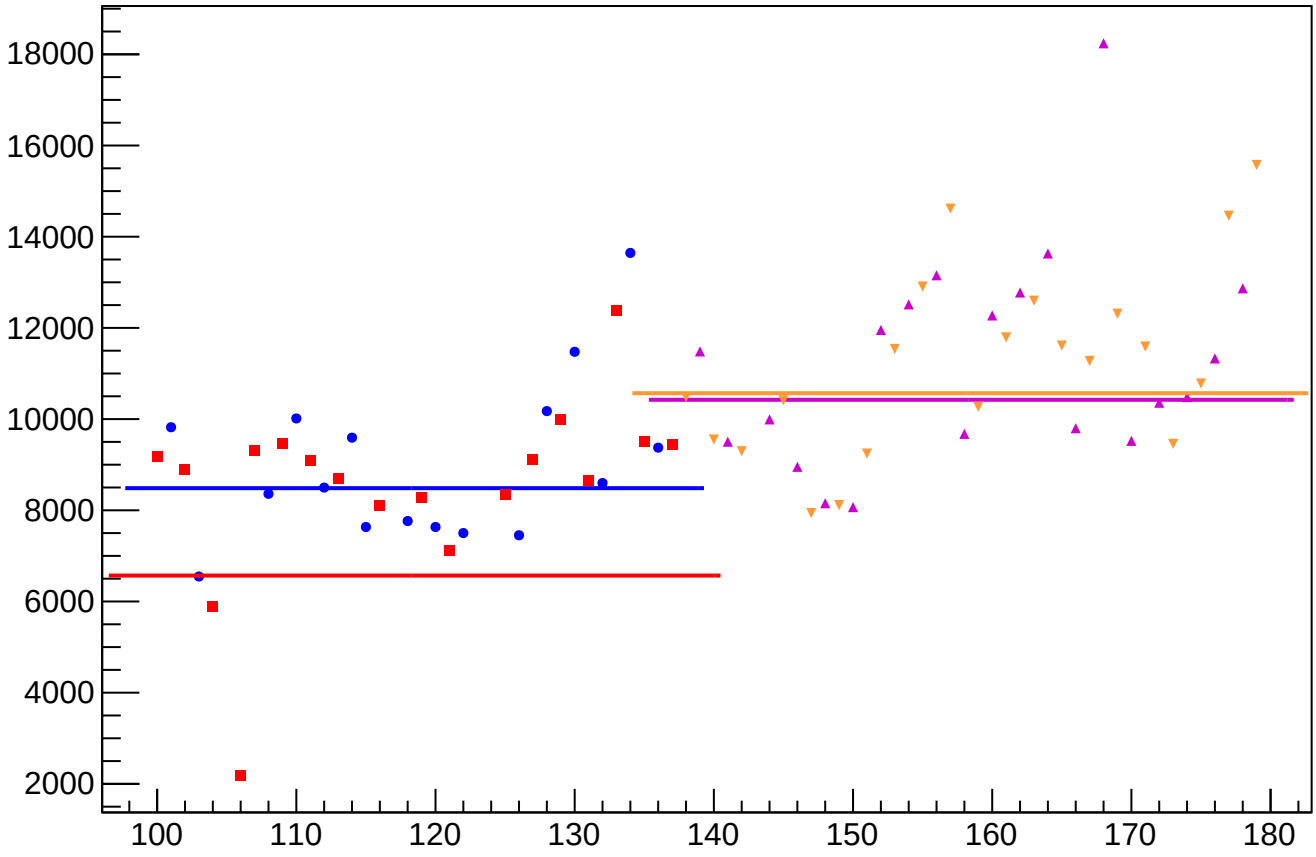
Right Out: -521.454+/-2715.587 χ^2/NDF: 15.7/17

Left In: -1066.544+/-2631.758 χ^2/NDF:11.7/19

+ sign -769.197+/-2042.745 χ^2/NDF: 41.4/36

All: -787.164+/-1387.242 χ^2/NDF: 68.9/74

- sign -802.542+/-1889.875 χ^2/NDF: 27.4/37



Right In: 8485.000+/-2.271 χ^2/NDF: 422706.1/15

Left Out: 10567.804+/-1.872 χ^2/NDF:1018144.1/20

Right Out: 6568.711+/-1.920 χ^2/NDF: 2568887.0/17

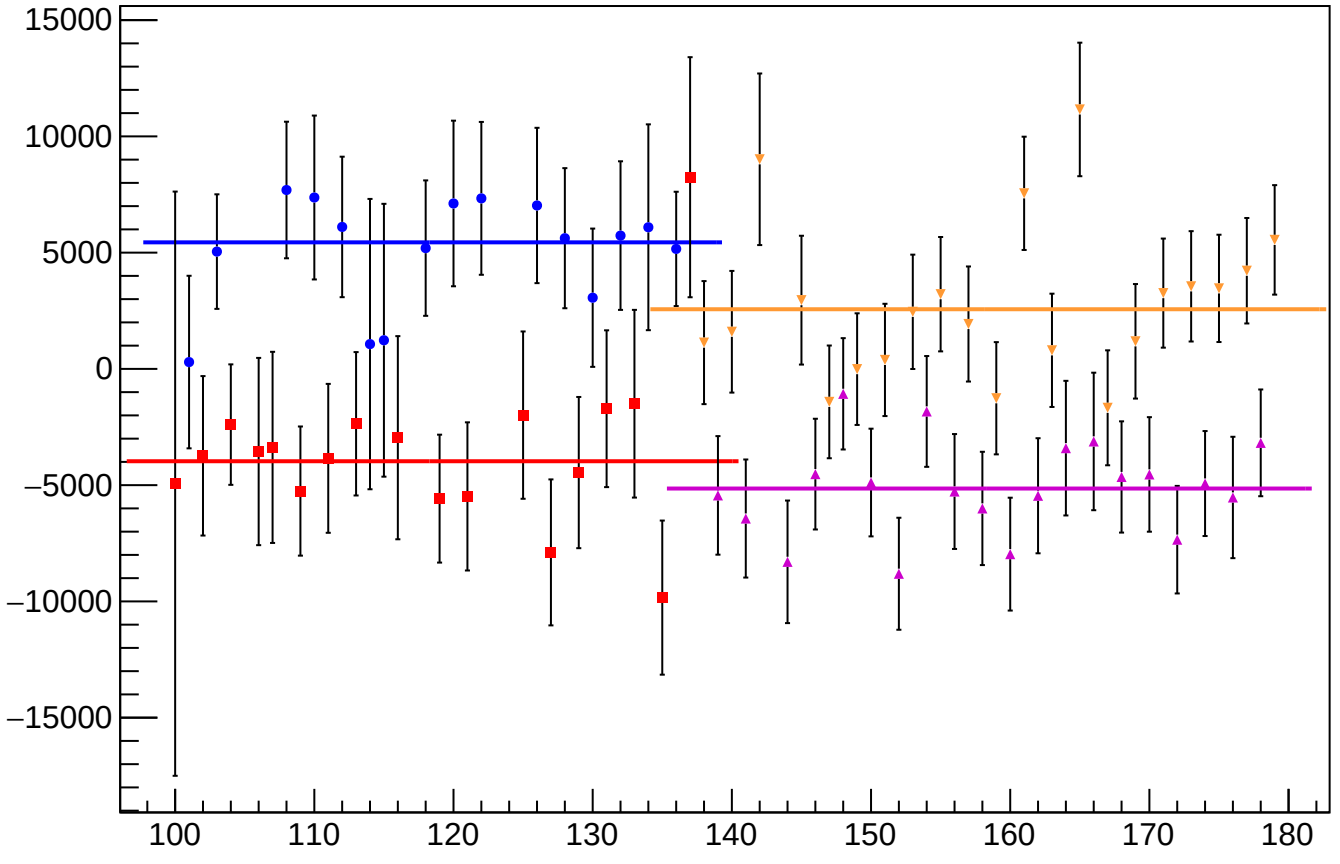
Left In: 10423.483+/-1.861 χ^2/NDF:1081272.8/19

+ sign 9725.439+/-1.444 χ^2/NDF: 1941665.6/36

All: 9095.605+/-0.981 χ^2/NDF: 8022833.5/74

- sign 8556.512+/-1.336 χ^2/NDF: 5728298.1/37

cor_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5442.478+/-812.534 χ^2/NDF: 5.4/15

Left Out: 2565.593+/-543.744 χ^2/NDF:30.3/20

Right Out: -3971.470+/-809.023 χ^2/NDF: 13.0/17

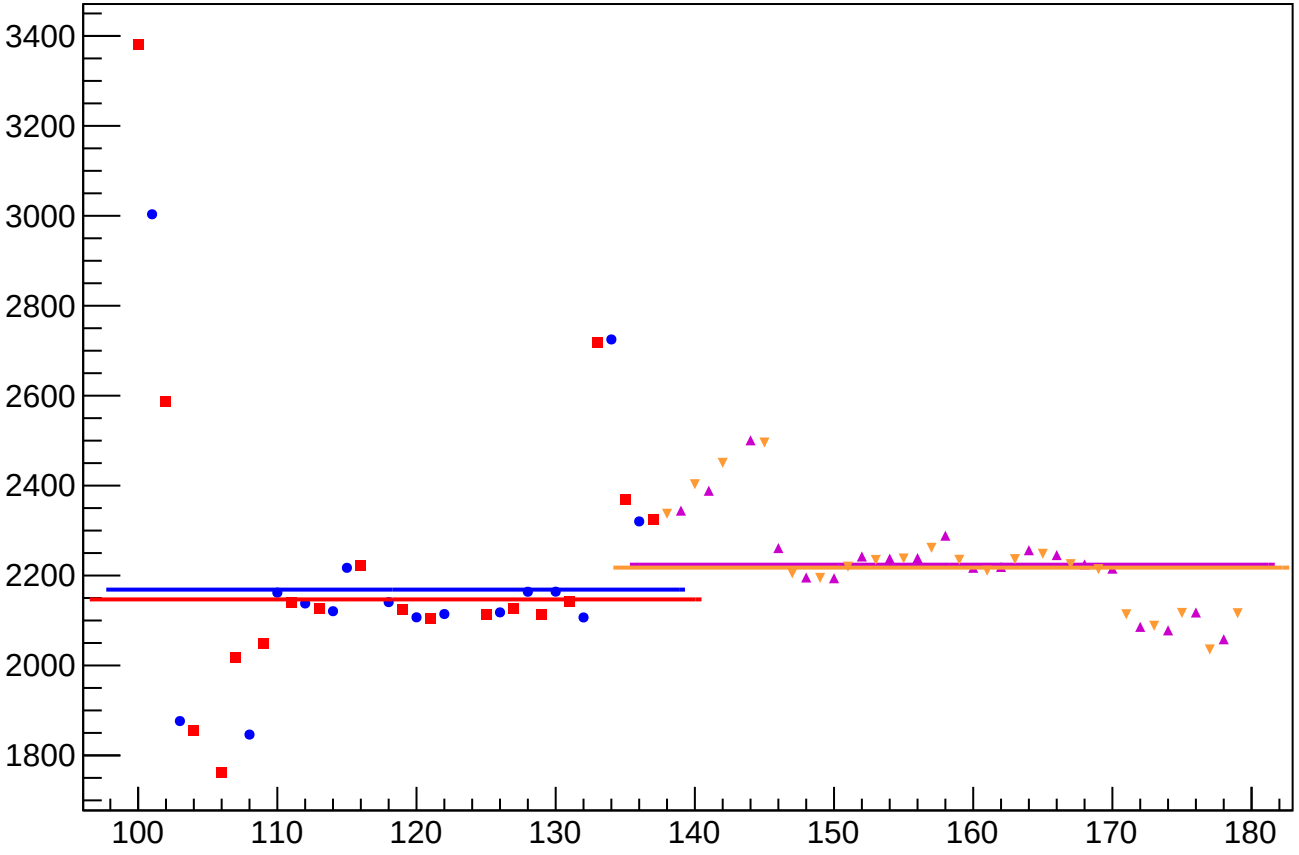
Left In: -5145.566+/-550.735 χ^2/NDF:13.0/19

+ sign 3455.436+/-451.894 χ^2/NDF: 44.3/36

All: -628.634+/-320.721 χ^2/NDF: 236.3/74

- sign -4773.773+/-455.260 χ^2/NDF: 27.4/37

cor_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.8/15

Left Out: 2217.617+/-0.384 χ^2/NDF:74128.0/20

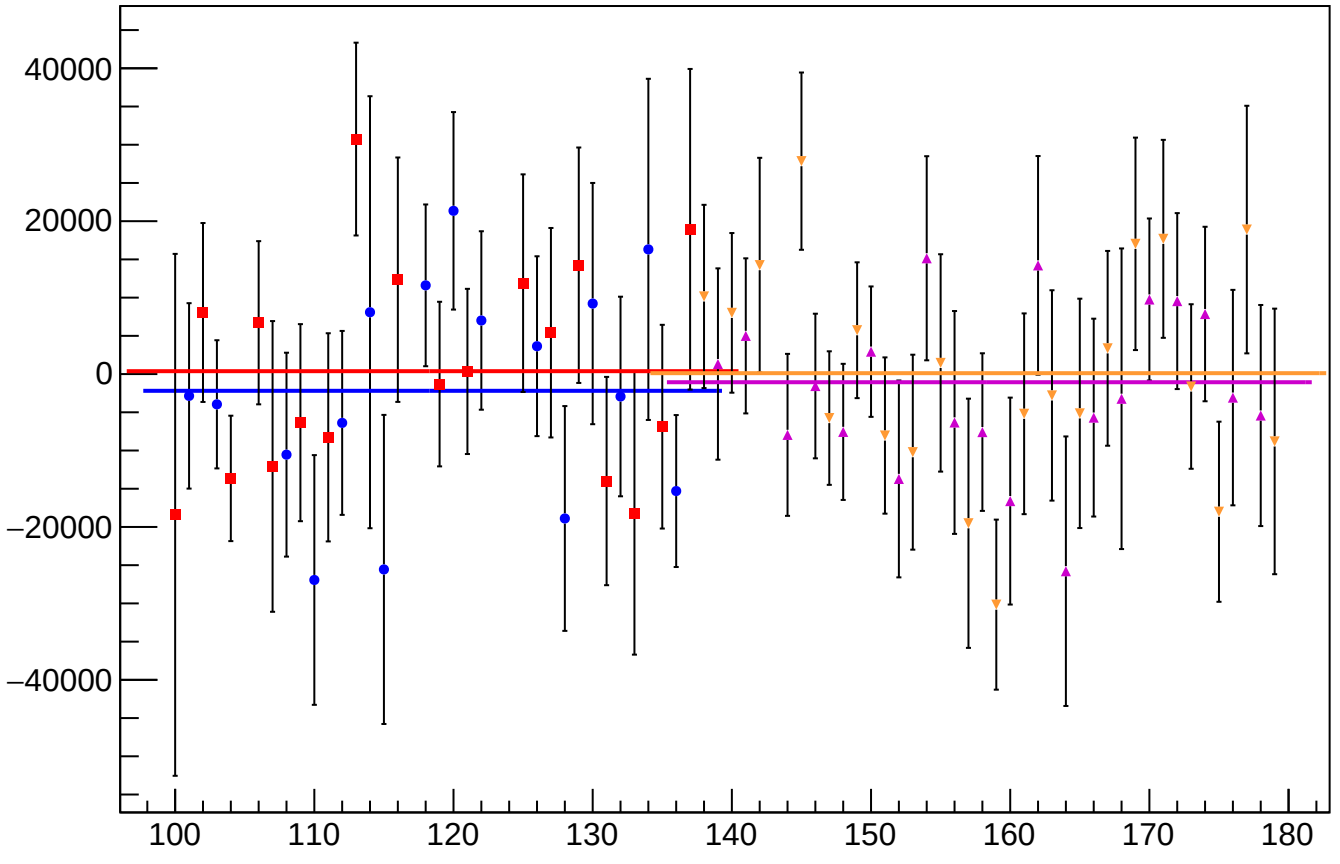
Right Out: 2146.888+/-0.569 χ^2/NDF: 157750.7/17

Left In: 2224.132+/-0.389 χ^2/NDF:67288.4/19

+ sign 2202.491+/-0.320 χ^2/NDF: 274791.4/36

All: 2201.007+/-0.227 χ^2/NDF: 512417.7/74

- sign 2199.505+/-0.321 χ^2/NDF: 237582.9/37



Right In: -2189.256+/-3208.524 χ^2/NDF: 14.5/15

Left Out: 117.451+/-2646.979 χ^2/NDF:26.7/20

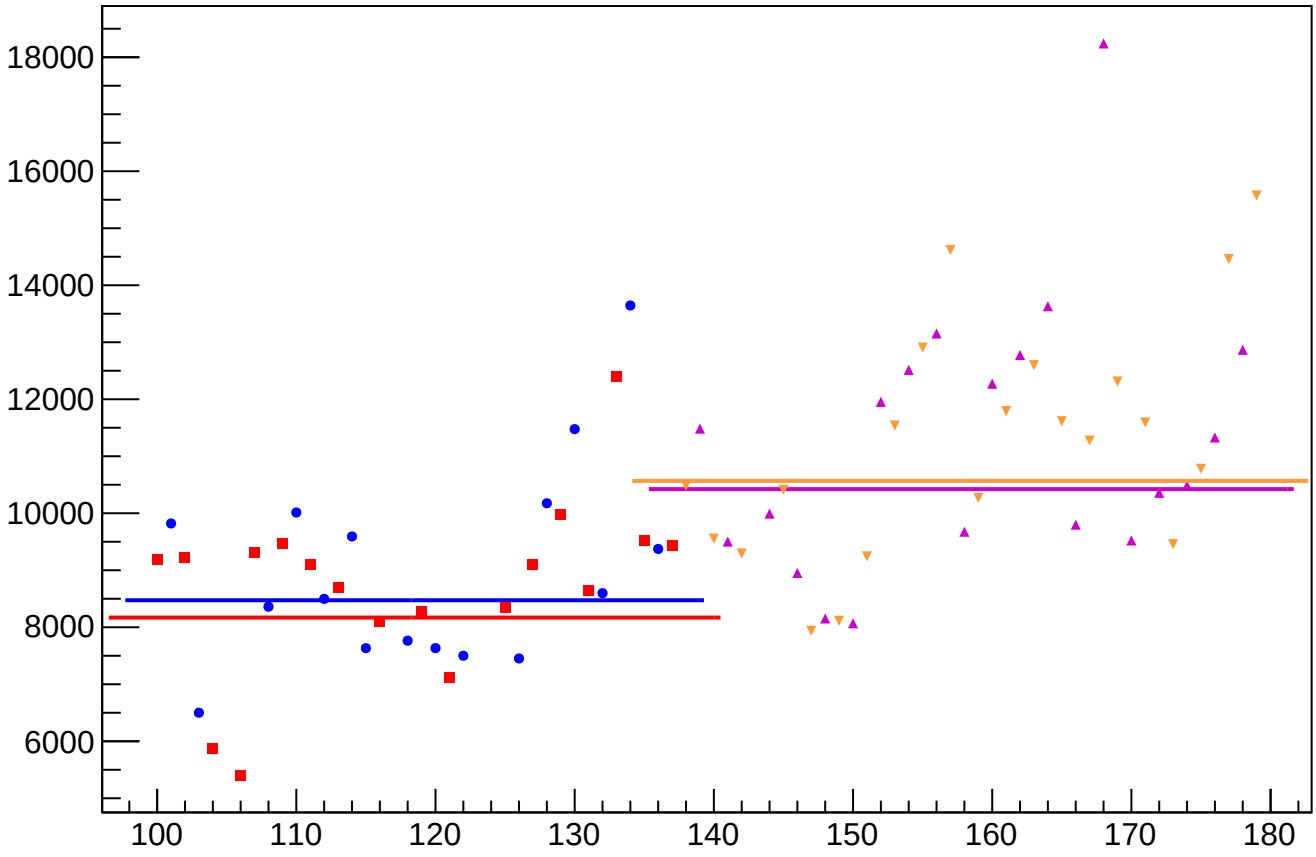
Right Out: 379.236+/-3099.953 χ^2/NDF: 16.3/17

Left In: -1066.650+/-2631.757 χ^2/NDF:11.7/19

\+ sign -816.705+/-2041.825 χ^2/NDF: 41.5/36

All: -635.744+/-1431.049 χ^2/NDF: 69.7/74

\- sign -461.032+/-2006.262 χ^2/NDF: 28.1/37



Right In: 8473.743+/-2.269 χ^2/NDF: 429547.3/15

Left Out: 10567.798+/-1.872 χ^2/NDF:1018148.4/20

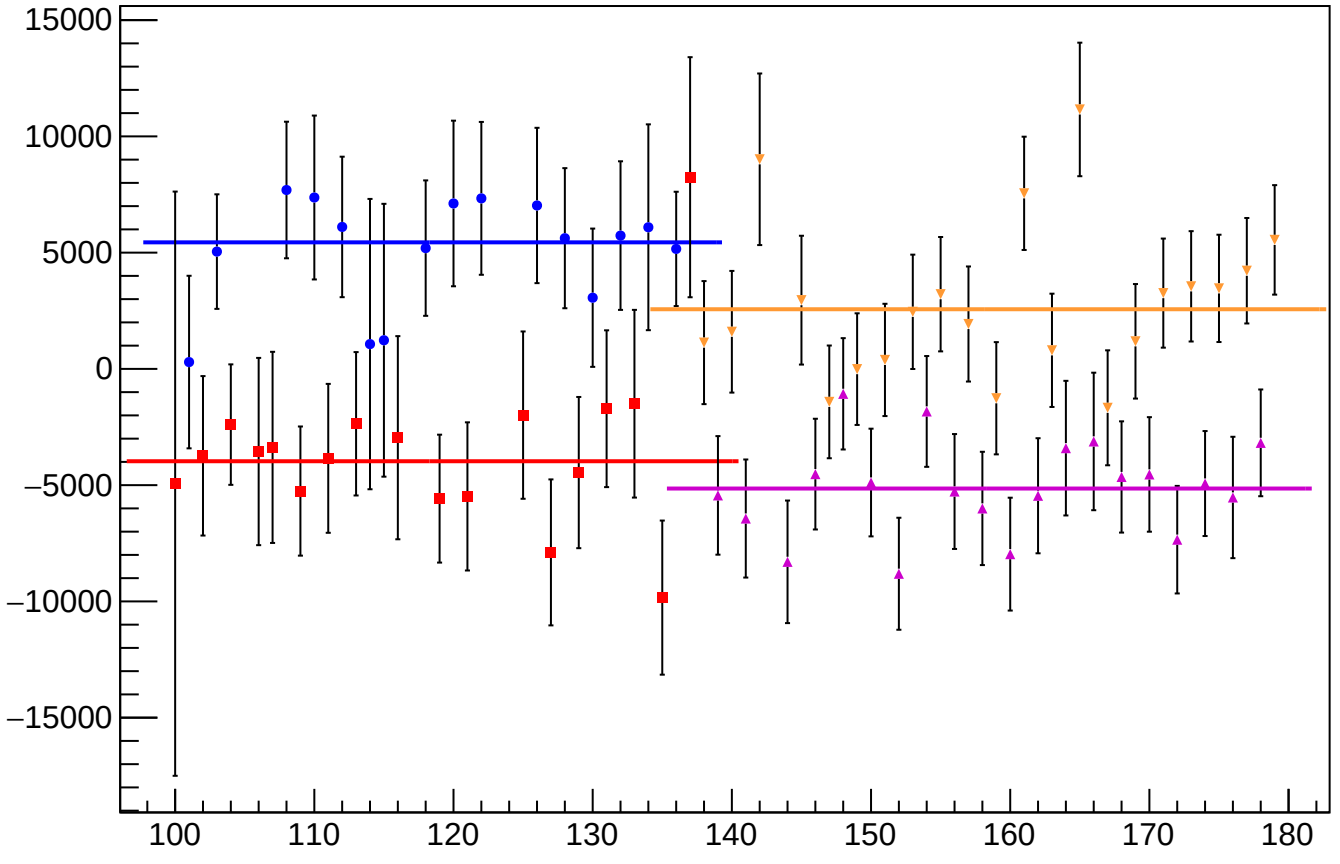
Right Out: 8170.027+/-2.192 χ^2/NDF: 539925.8/17

Left In: 10423.478+/-1.861 χ^2/NDF:1081277.8/19

+ sign 9719.761+/-1.444 χ^2/NDF: 1954607.1/36

All: 9597.574+/-1.012 χ^2/NDF: 4204072.8/74

- sign 9479.606+/-1.419 χ^2/NDF: 2235388.7/37



Right In: 5442.478+/-812.534 χ^2/NDF: 5.4/15

Left Out: 2565.593+/-543.744 χ^2/NDF:30.3/20

Right Out: -3971.470+/-809.023 χ^2/NDF: 13.0/17

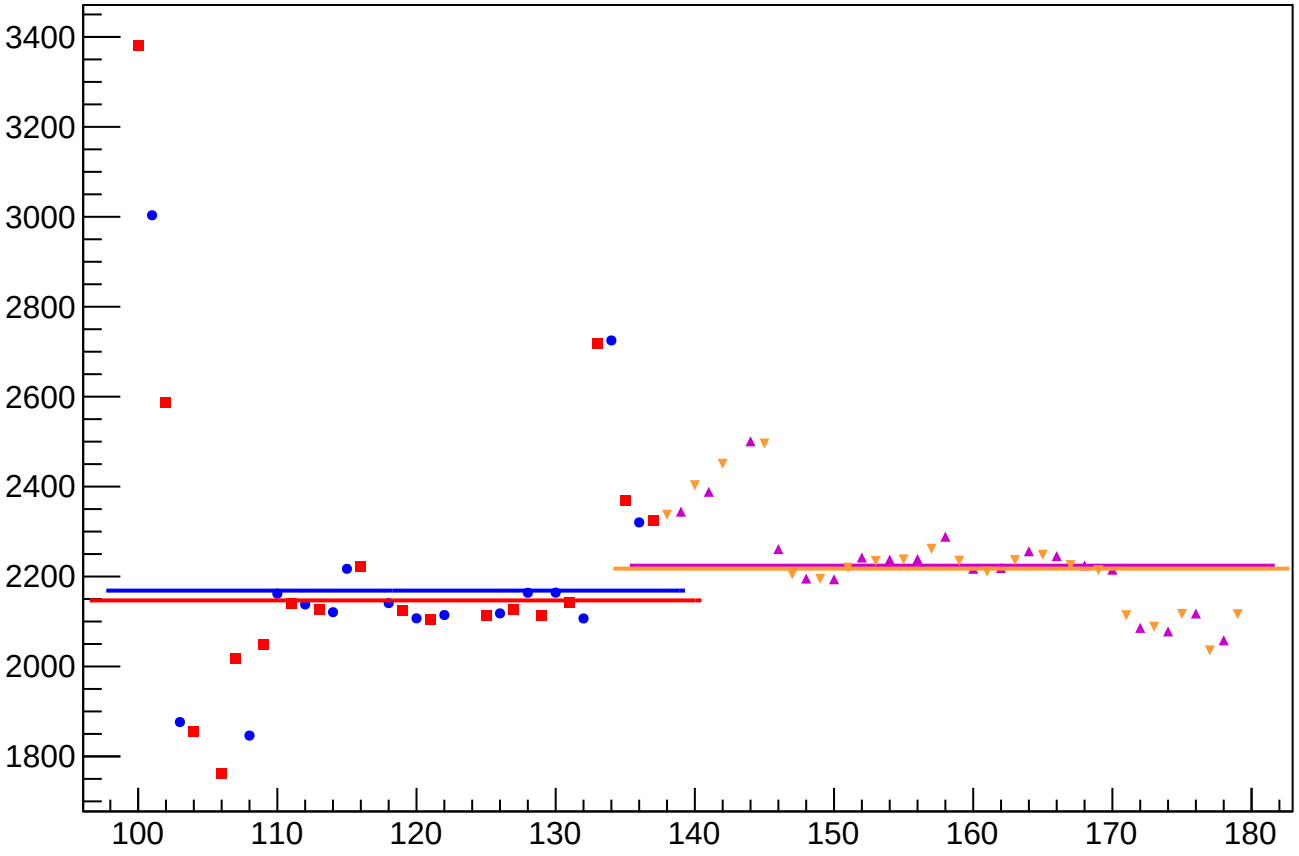
Left In: -5145.566+/-550.735 χ^2/NDF:13.0/19

+ sign 3455.436+/-451.894 χ^2/NDF: 44.3/36

All: -628.634+/-320.721 χ^2/NDF: 236.3/74

- sign -4773.773+/-455.260 χ^2/NDF: 27.4/37

eigen_cor_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.8/15

Left Out: 2217.617+/-0.384 χ^2/NDF:74128.0/20

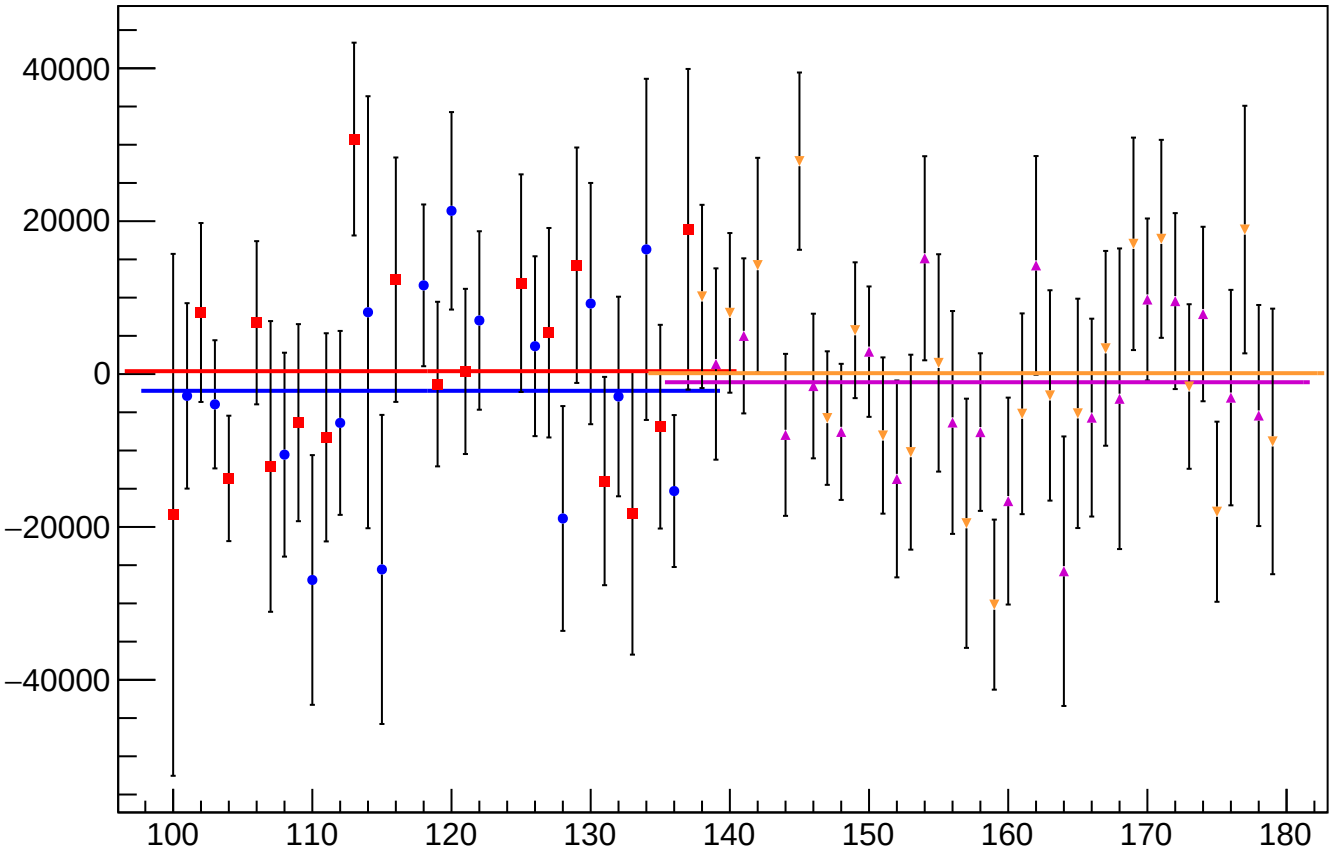
Right Out: 2146.888+/-0.569 χ^2/NDF: 157750.7/17

Left In: 2224.132+/-0.389 χ^2/NDF:67288.4/19

+ sign 2202.491+/-0.320 χ^2/NDF: 274791.4/36

All: 2201.007+/-0.227 χ^2/NDF: 512417.7/74

- sign 2199.505+/-0.321 χ^2/NDF: 237582.9/37



Right In: -2189.256+/-3208.524 χ^2/NDF: 14.5/15

Left Out: 117.451+/-2646.979 χ^2/NDF:26.7/20

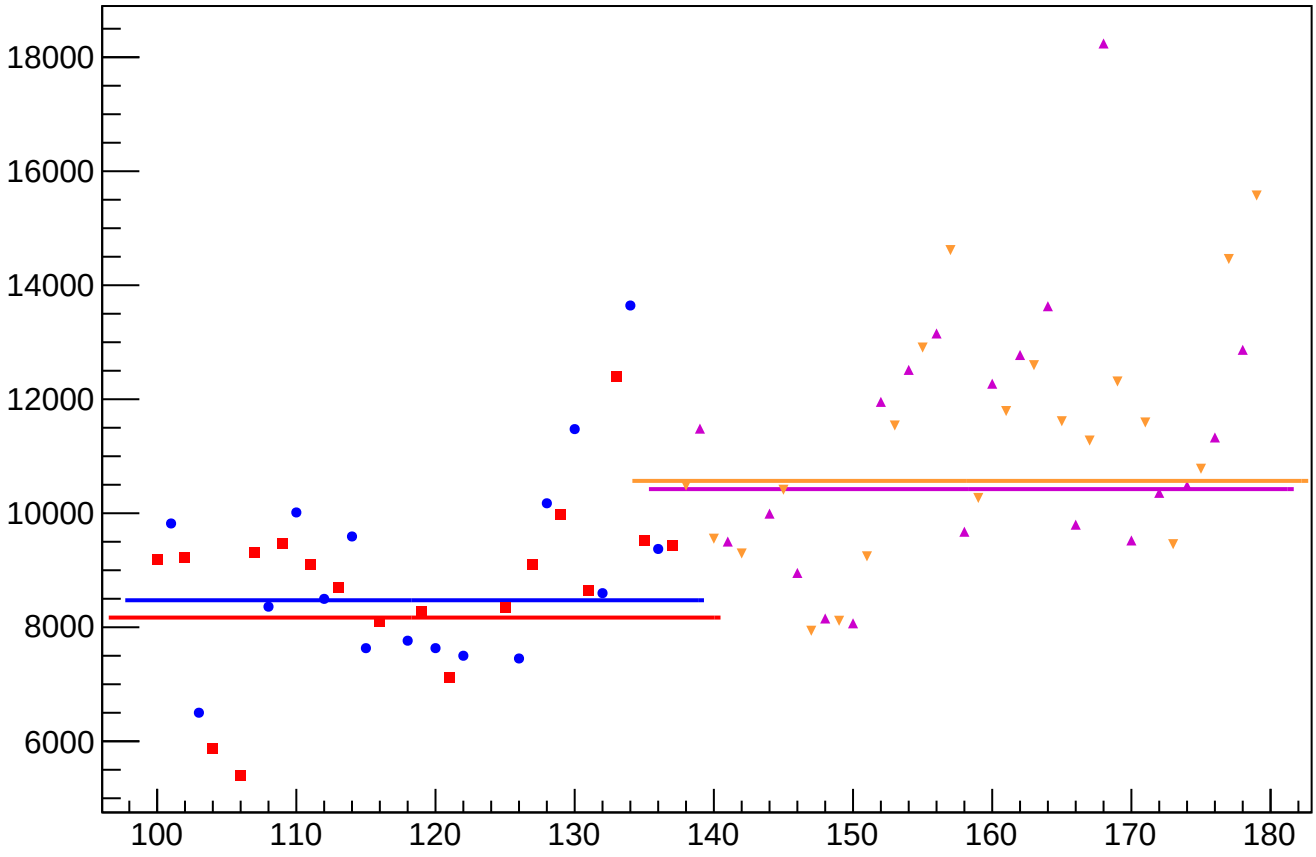
Right Out: 379.236+/-3099.953 χ^2/NDF: 16.3/17

Left In: -1066.650+/-2631.757 χ^2/NDF:11.7/19

+ sign -816.705+/-2041.825 χ^2/NDF: 41.5/36

All: -635.744+/-1431.049 χ^2/NDF: 69.7/74

- sign -461.032+/-2006.262 χ^2/NDF: 28.1/37



Right In: 8473.743+/-2.269 χ^2/NDF: 429547.3/15

Left Out: 10567.798+/-1.872 χ^2/NDF:1018148.4/20

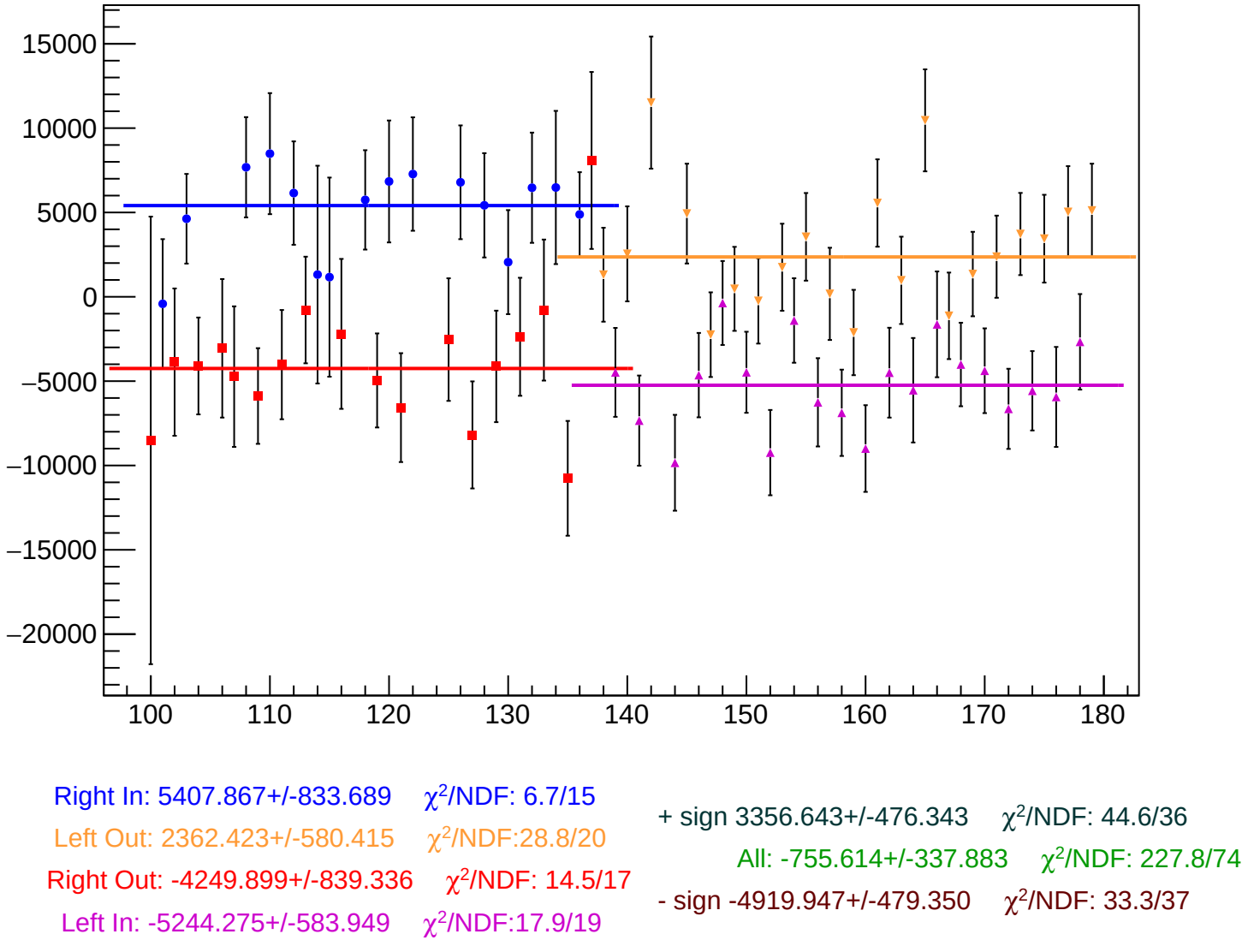
Right Out: 8170.027+/-2.192 χ^2/NDF: 539925.8/17

Left In: 10423.478+/-1.861 χ^2/NDF:1081277.8/19

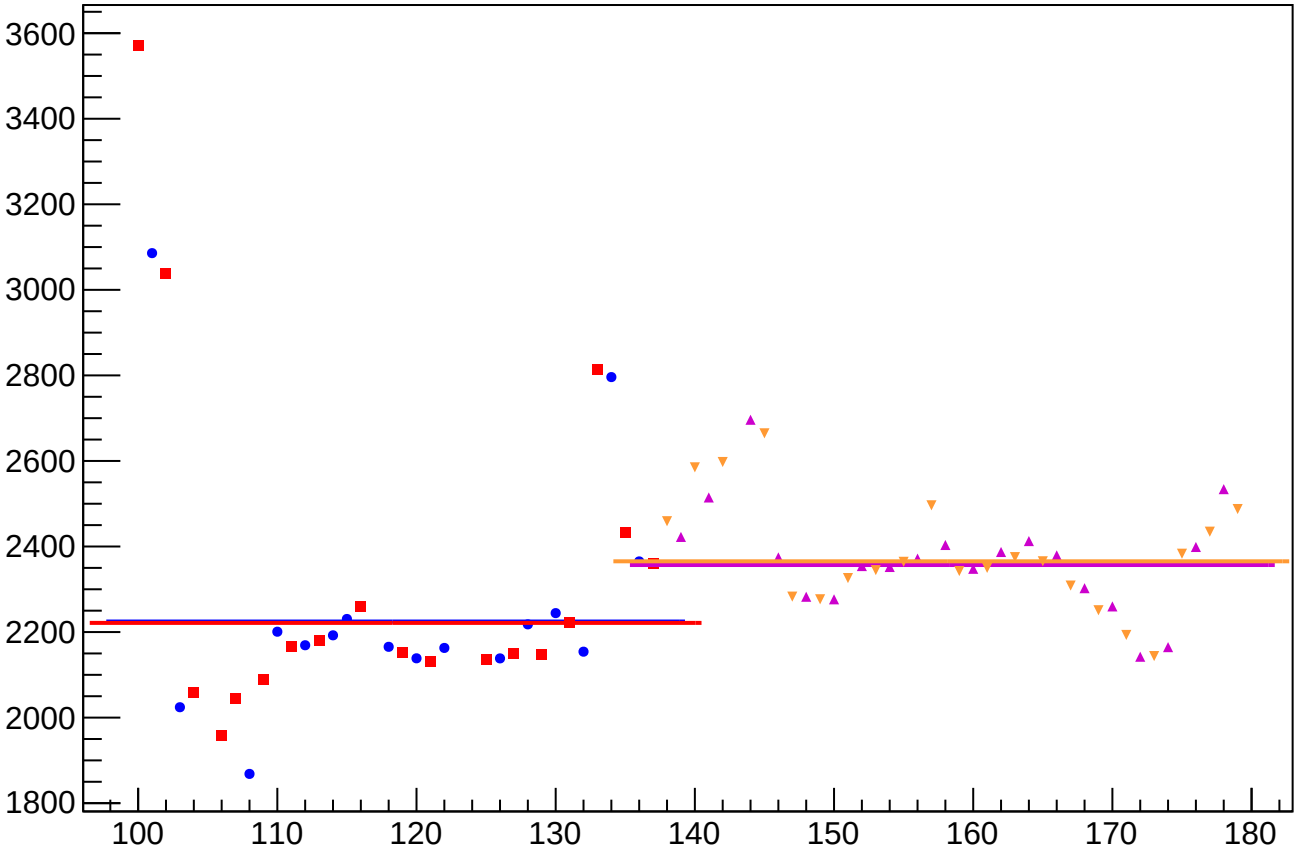
+ sign 9719.761+/-1.444 χ^2/NDF: 1954607.1/36

All: 9597.574+/-1.012 χ^2/NDF: 4204072.8/74

- sign 9479.606+/-1.419 χ^2/NDF: 2235388.7/37


dit_asym_us_avg_at2lr_avg_avg_mean vs Slug
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
170
180
Right In: 5407.867+/-833.689 χ²/NDF: 6.7/15
Left Out: 2362.423+/-580.415 χ²/NDF:28.8/20
Right Out: -4249.899+/-839.336 χ²/NDF: 14.5/17
Left In: -5244.275+/-583.949 χ²/NDF:17.9/19
+ sign 3356.643+/-476.343 χ²/NDF: 44.6/36
All: -755.614+/-337.883 χ²/NDF: 227.8/74
- sign -4919.947+/-479.350 χ²/NDF: 33.3/37

dit_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2224.614+/-0.590 χ^2/NDF: 184679.8/15

Left Out: 2365.396+/-0.410 χ^2/NDF:89010.5/20

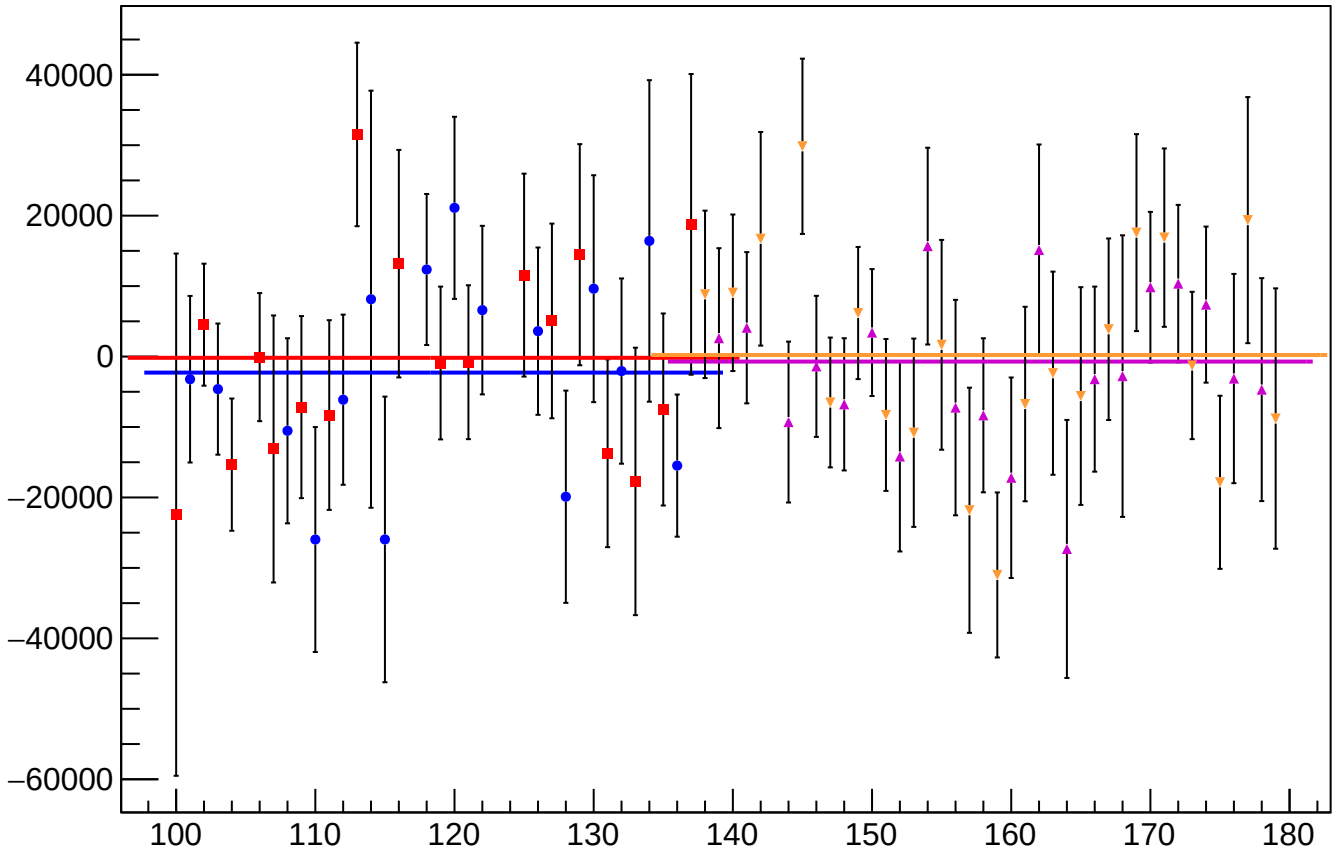
Right Out: 2221.425+/-0.593 χ^2/NDF: 169944.3/17

Left In: 2356.735+/-0.413 χ^2/NDF:84445.4/19

+ sign 2319.436+/-0.337 χ^2/NDF: 312103.4/36

All: 2316.021+/-0.239 χ^2/NDF: 601753.4/74

- sign 2312.565+/-0.339 χ^2/NDF: 289443.2/37



Right In: -2278.440+/-3271.750 χ^2/NDF: 14.5/15

Left Out: 218.481+/-2751.720 χ^2/NDF:26.4/20

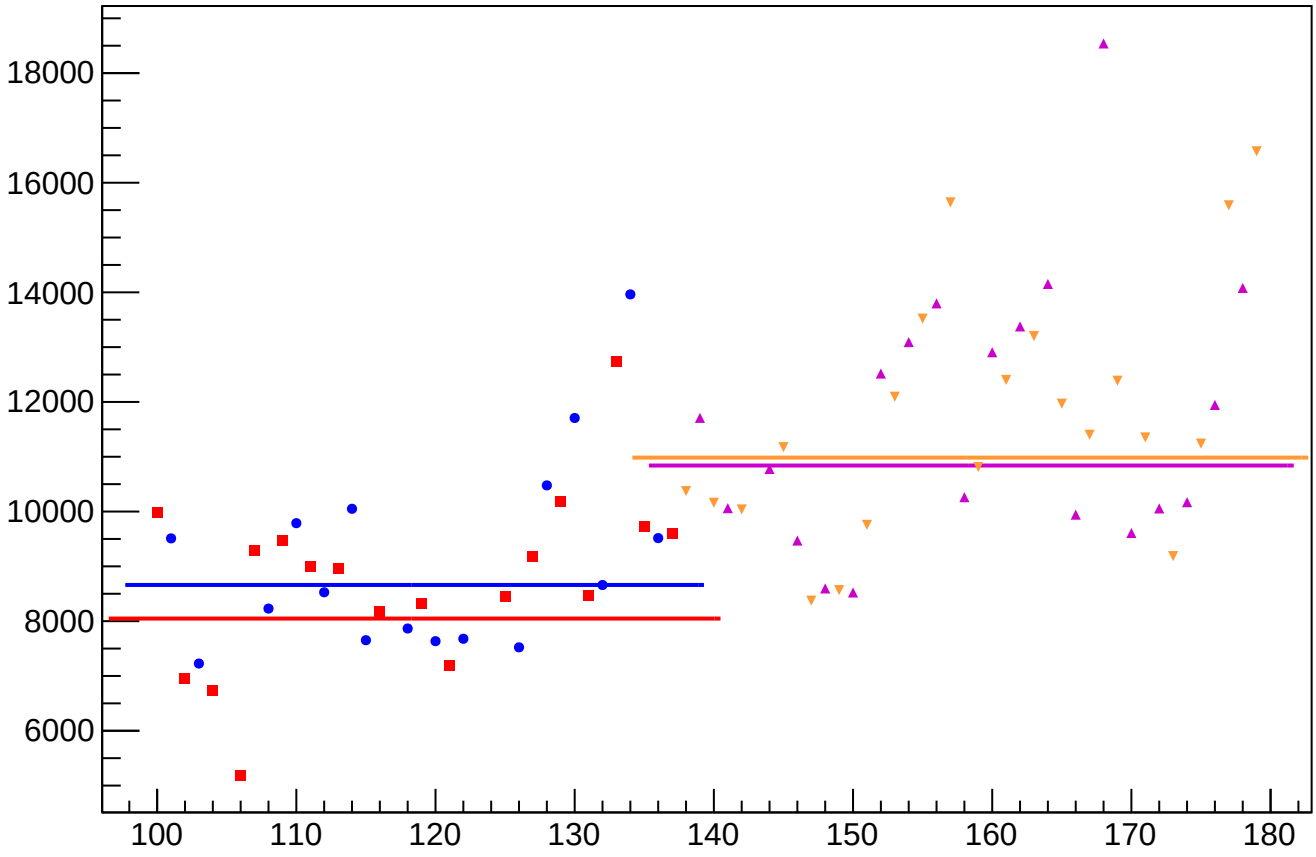
Right Out: -177.024+/-3035.355 χ^2/NDF: 15.6/17

Left In: -712.810+/-2736.836 χ^2/NDF:11.7/19

+ sign -816.005+/-2105.911 χ^2/NDF: 41.2/36

All: -638.197+/-1462.497 χ^2/NDF: 68.6/74

- sign -472.552+/-2032.603 χ^2/NDF: 27.4/37



Right In: 8660.733+/-2.313 χ^2/NDF: 357961.9/15

Left Out: 10984.378+/-1.946 χ^2/NDF:1041784.1/20

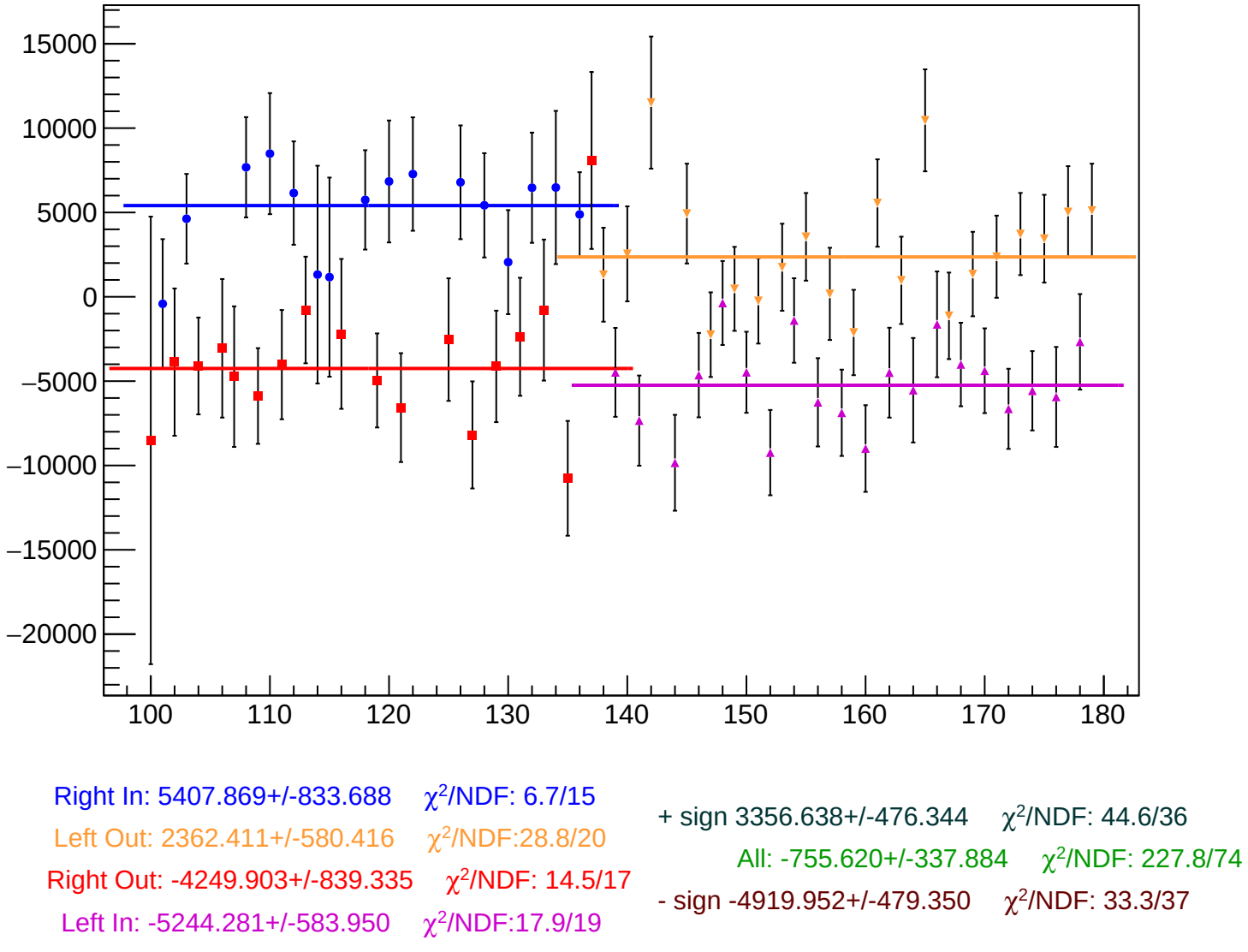
Right Out: 8047.460+/-2.146 χ^2/NDF: 558559.6/17

Left In: 10839.817+/-1.935 χ^2/NDF:1077203.7/19

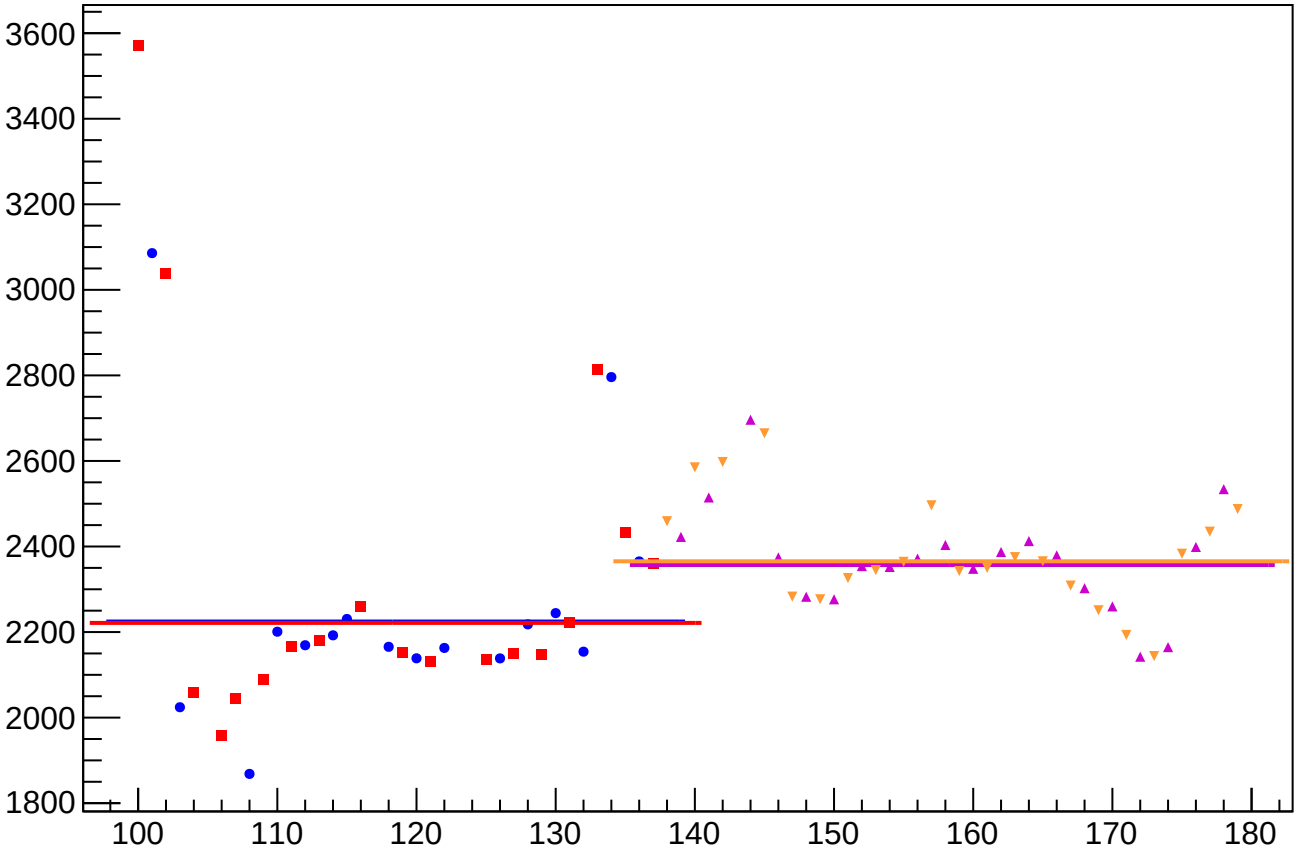
+ sign 10021.681+/-1.489 χ^2/NDF: 1990601.5/36

All: 9796.987+/-1.034 χ^2/NDF: 4603943.2/74

- sign 9587.665+/-1.437 χ^2/NDF: 2569362.6/37


eigen_dit_asym_us_avg_at2lr_avg_avg_mean vs Slug
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
170
180
Right In: 5407.869+/-833.688 χ²/NDF: 6.7/15
Left Out: 2362.411+/-580.416 χ²/NDF:28.8/20
Right Out: -4249.903+/-839.335 χ²/NDF: 14.5/17
Left In: -5244.281+/-583.950 χ²/NDF:17.9/19
+ sign 3356.638+/-476.344 χ²/NDF: 44.6/36
All: -755.620+/-337.884 χ²/NDF: 227.8/74
- sign -4919.952+/-479.350 χ²/NDF: 33.3/37

eigen_dit_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2224.613+/-0.590 χ^2/NDF: 184680.1/15

Left Out: 2365.399+/-0.410 χ^2/NDF:89015.0/20

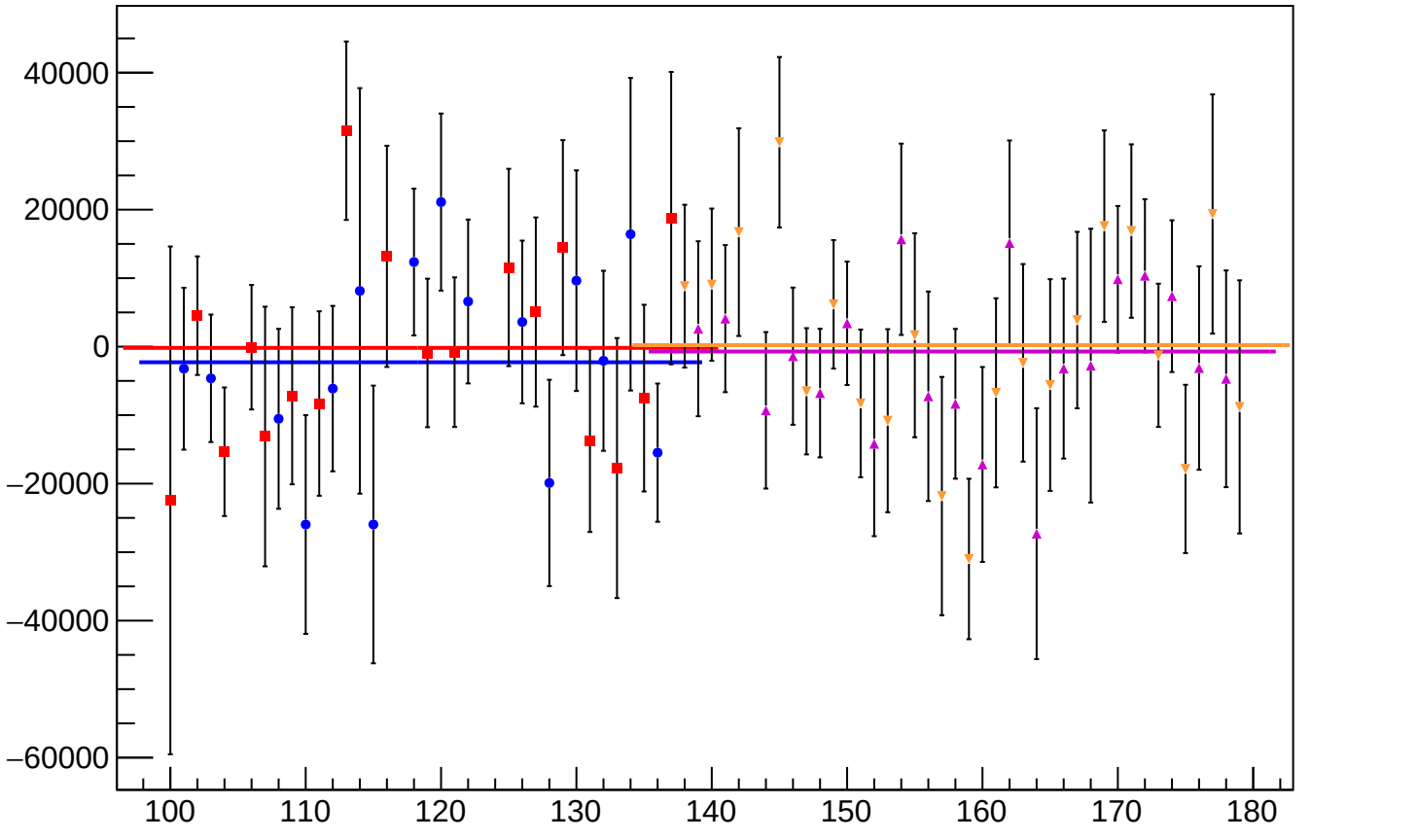
Right Out: 2221.425+/-0.593 χ^2/NDF: 169944.3/17

Left In: 2356.738+/-0.413 χ^2/NDF:84449.4/19

+ sign 2319.438+/-0.337 χ^2/NDF: 312110.4/36

All: 2316.023+/-0.239 χ^2/NDF: 601766.2/74

- sign 2312.567+/-0.339 χ^2/NDF: 289449.0/37



Right In: -2278.418+/-3271.742 χ^2/NDF: 14.5/15

Left Out: 218.474+/-2751.724 χ^2/NDF:26.4/20

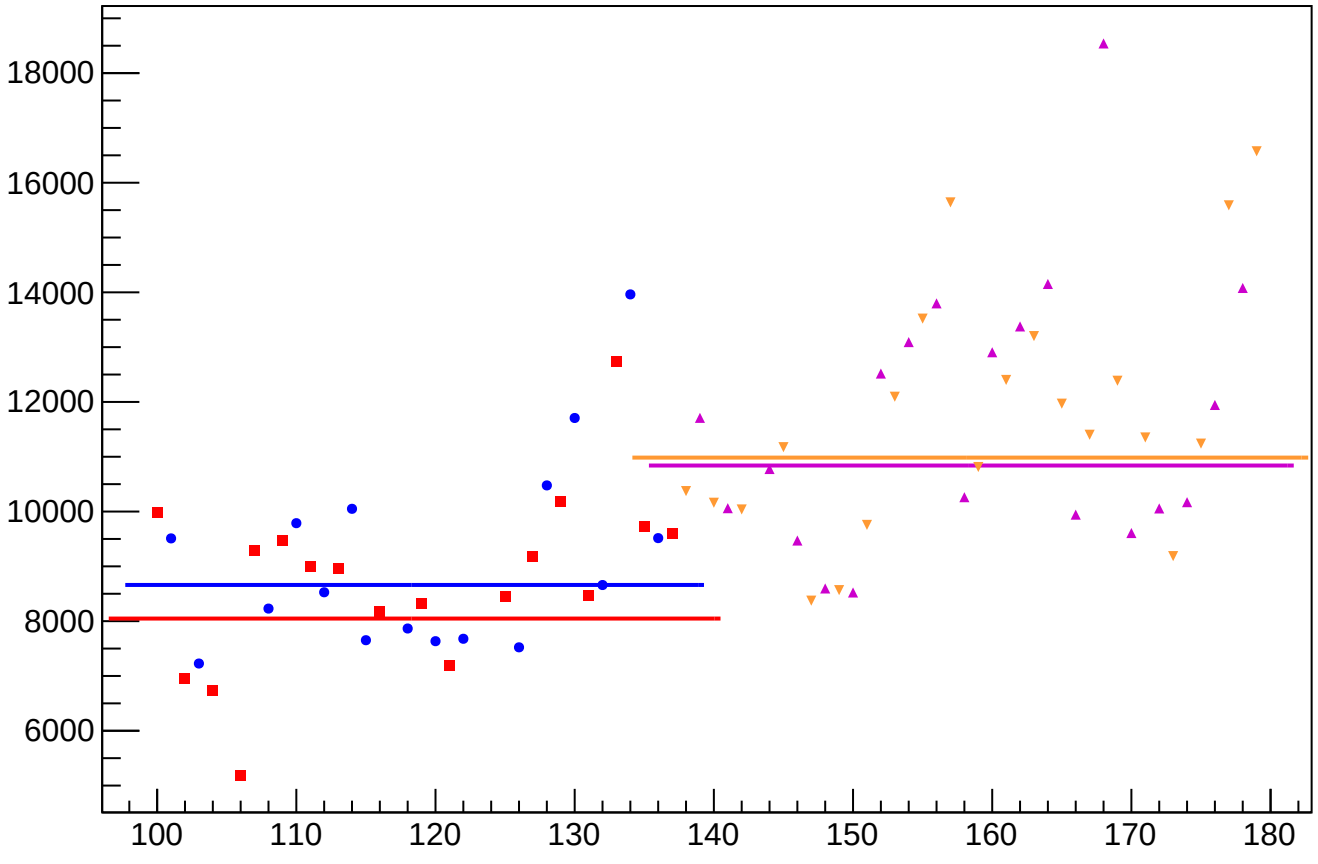
Right Out: -177.029+/-3035.348 χ^2/NDF: 15.6/17

Left In: -712.810+/-2736.841 χ^2/NDF:11.7/19

\+ sign -816.005+/-2105.911 χ^2/NDF: 41.2/36

All: -638.197+/-1462.497 χ^2/NDF: 68.6/74

\- sign -472.554+/-2032.603 χ^2/NDF: 27.4/37



Right In: 8660.711+/-2.313 χ^2/NDF: 357964.1/15

Left Out: 10984.396+/-1.946 χ^2/NDF:1041786.7/20

Right Out: 8047.442+/-2.146 χ^2/NDF: 558557.8/17

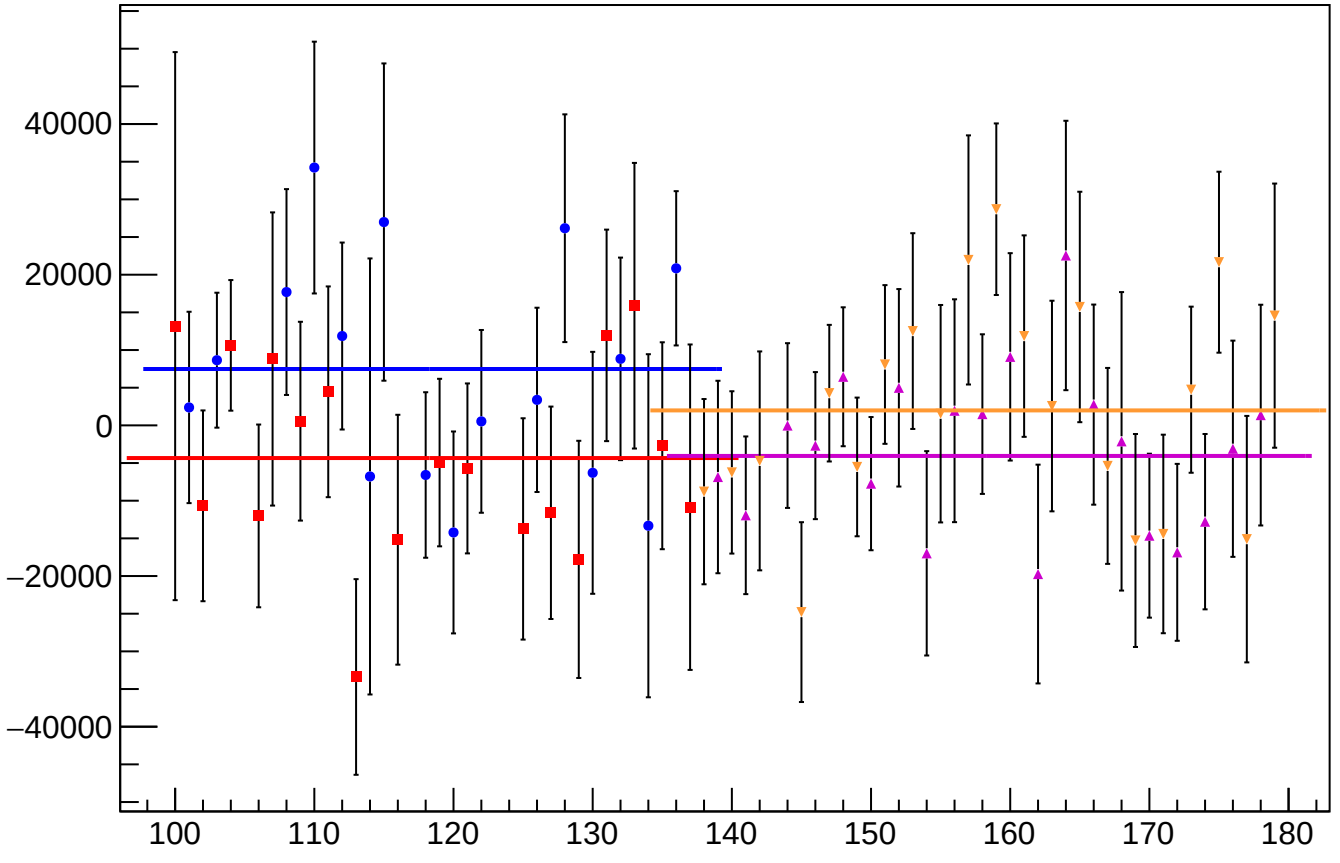
Left In: 10839.834+/-1.935 χ^2/NDF:1077206.3/19

+ sign 10021.678+/-1.489 χ^2/NDF: 1990627.1/36

All: 9796.984+/-1.034 χ^2/NDF: 4603994.0/74

- sign 9587.661+/-1.437 χ^2/NDF: 2569387.6/37

asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 7481.770+/-3330.915 χ^2/NDF: 14.0/15

Left Out: 1985.816+/-2712.986 χ^2/NDF:24.3/20

Right Out: -4338.165+/-3242.620 χ^2/NDF: 14.3/17

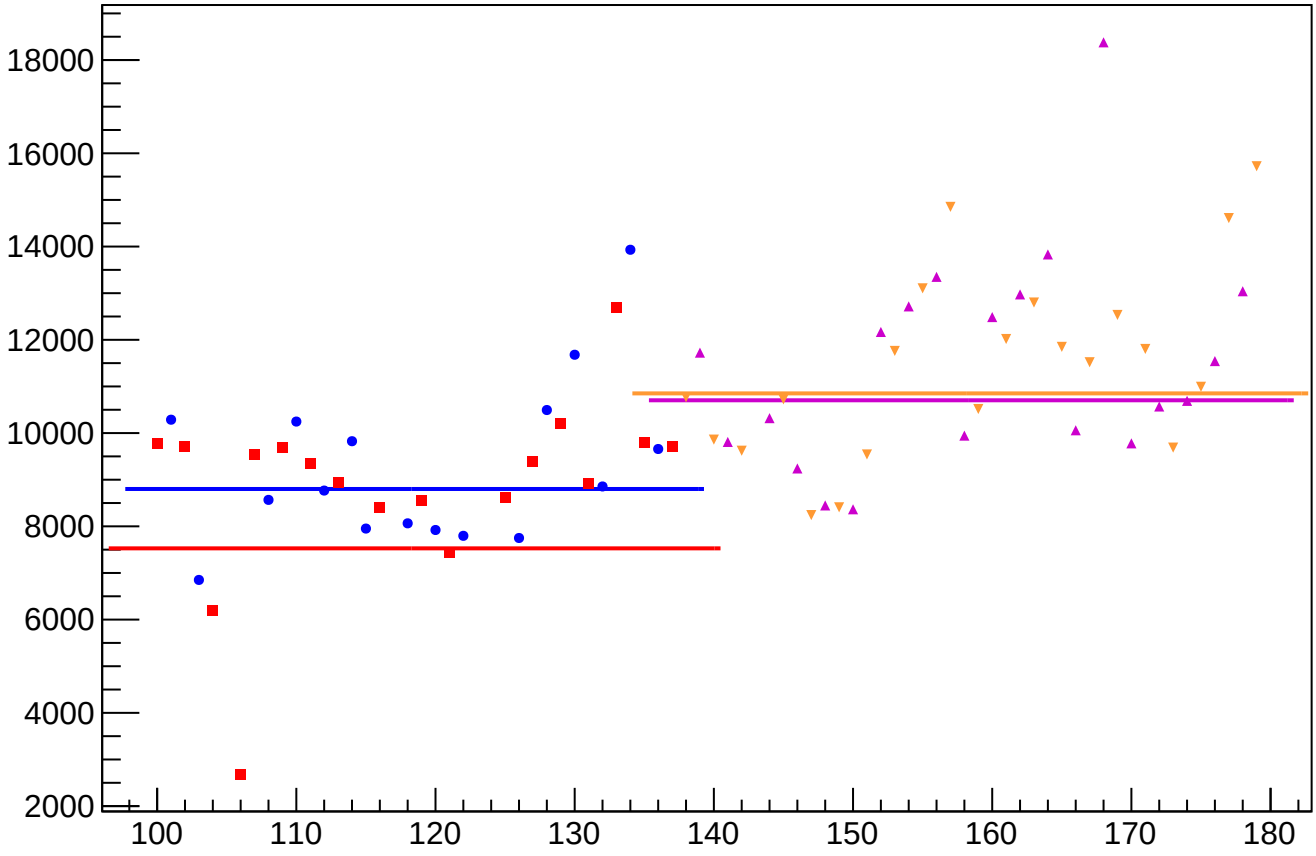
Left In: -4058.005+/-2698.078 χ^2/NDF:11.5/19

+ sign 4177.699+/-2103.539 χ^2/NDF: 40.0/36

All: -56.479+/-1476.877 χ^2/NDF: 73.8/74

- sign -4172.619+/-2074.012 χ^2/NDF: 25.8/37

asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 8801.075+/-2.355 χ^2/NDF: 394575.1/15

Left Out: 10851.078+/-1.918 χ^2/NDF:935568.1/20

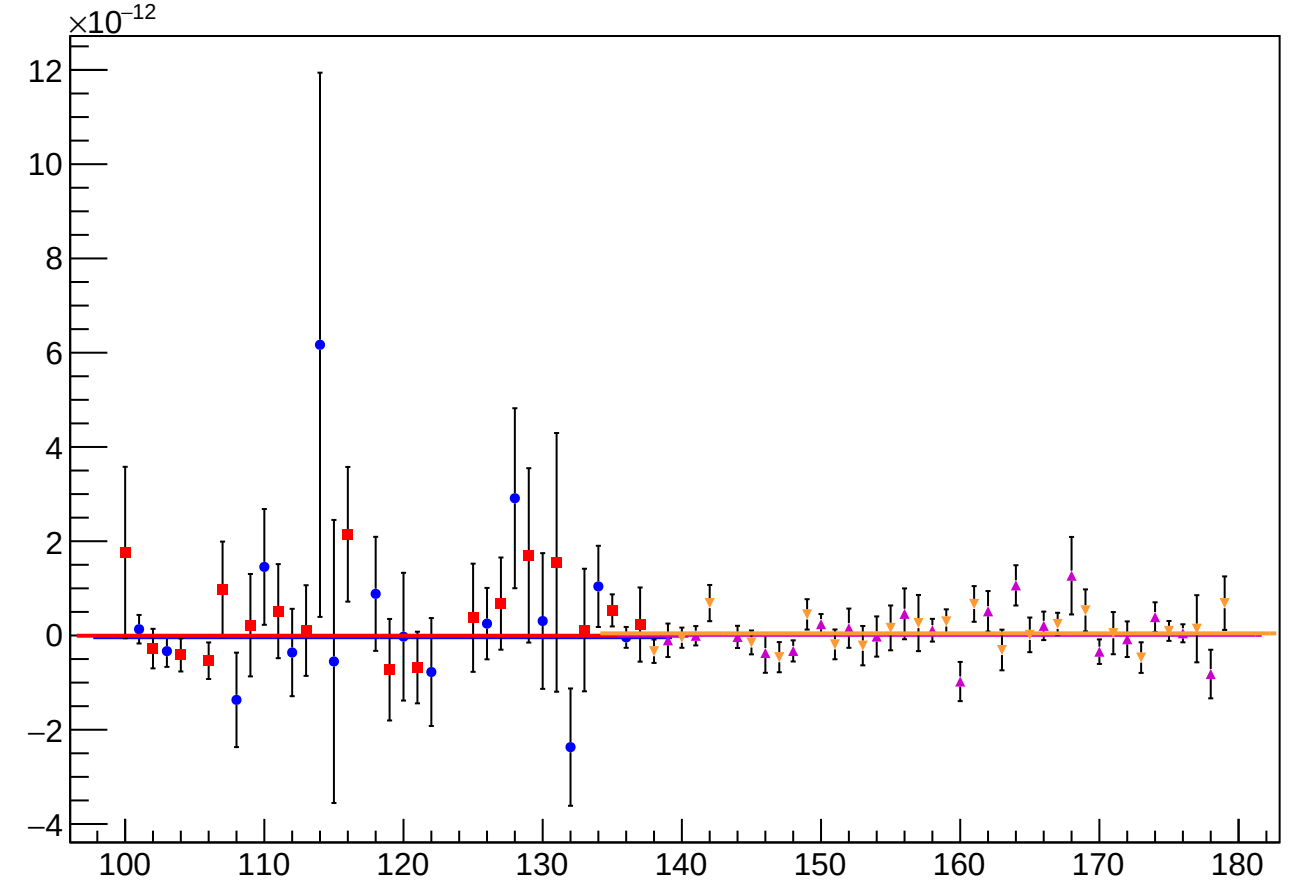
Right Out: 7527.803+/-2.128 χ^2/NDF: 1657299.8/17

Left In: 10703.141+/-1.908 χ^2/NDF:998667.1/19

+ sign 10033.489+/-1.487 χ^2/NDF: 1785576.2/36

All: 9643.850+/-1.027 χ^2/NDF: 5806945.5/74

- sign 9288.423+/-1.421 χ^2/NDF: 3890152.4/37



Right In: -0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:21.2/20

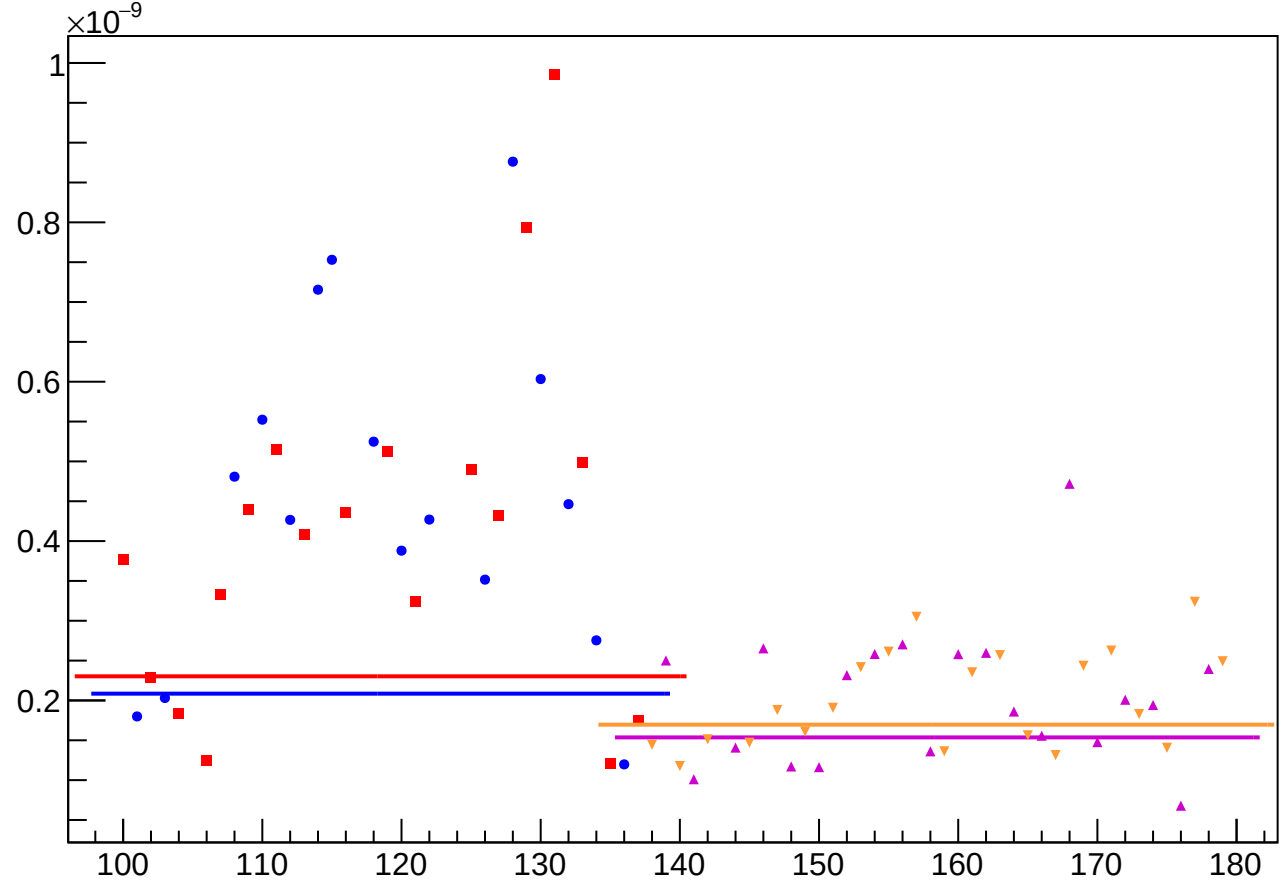
Right Out: -0.000+/-0.000 χ^2/NDF: 13.7/17

Left In: 0.000+/-0.000 χ^2/NDF:27.2/19

+ sign 0.000+/-0.000 χ^2/NDF: 35.8/36

All: 0.000+/-0.000 χ^2/NDF: 76.7/74

- sign 0.000+/-0.000 χ^2/NDF: 40.9/37



Right In: 0.000+/-0.000 χ^2/NDF: 1632322.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:958673.6/20

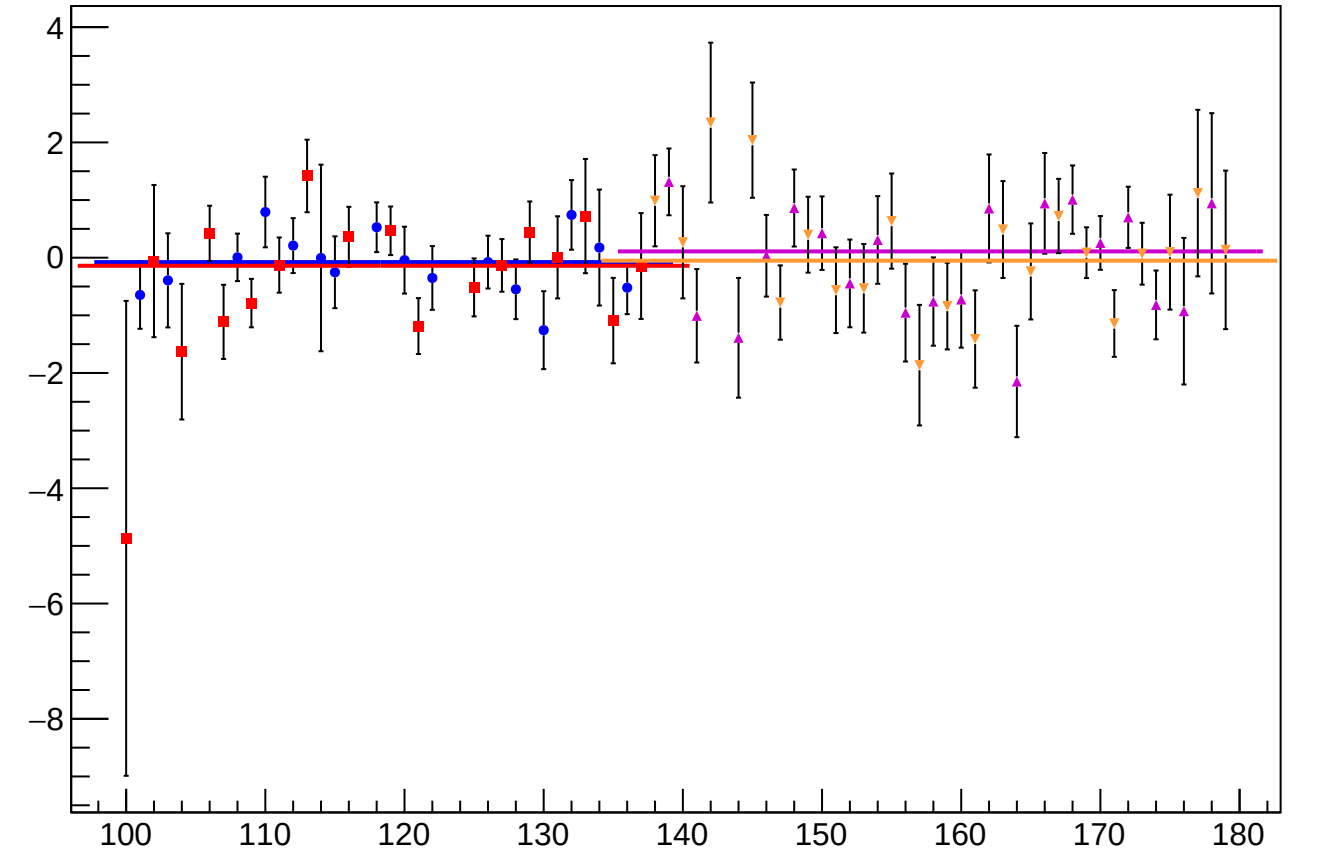
Right Out: 0.000+/-0.000 χ^2/NDF: 1561654.8/17

Left In: 0.000+/-0.000 χ^2/NDF:1917170.2/19

+ sign 0.000+/-0.000 χ^2/NDF: 2712110.5/36

All: 0.000+/-0.000 χ^2/NDF: 6631218.5/74

- sign 0.000+/-0.000 χ^2/NDF: 3883872.0/37



Right In: -0.076+/-0.140 χ^2/NDF: 12.5/15

Left Out: -0.052+/-0.165 χ^2/NDF:25.5/20

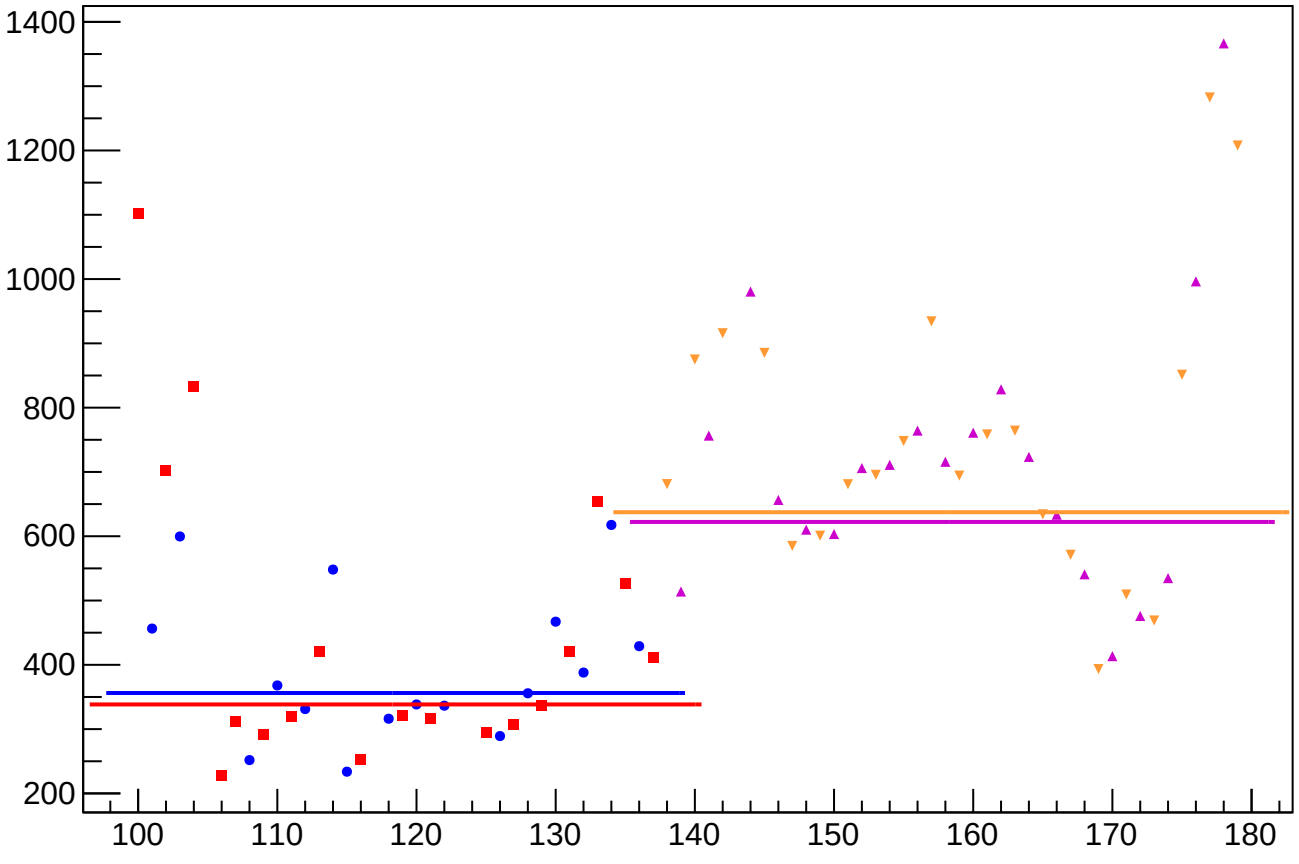
Right Out: -0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: 0.109+/-0.161 χ^2/NDF:28.3/19

+ sign -0.066+/-0.107 χ^2/NDF: 38.0/36

All: -0.050+/-0.075 χ^2/NDF: 94.7/74

- sign -0.035+/-0.105 χ^2/NDF: 56.7/37



Right In: 356.190+/-0.099 χ^2/NDF: 785107.3/15

Left Out: 637.367+/-0.116 χ^2/NDF:2426910.8/20

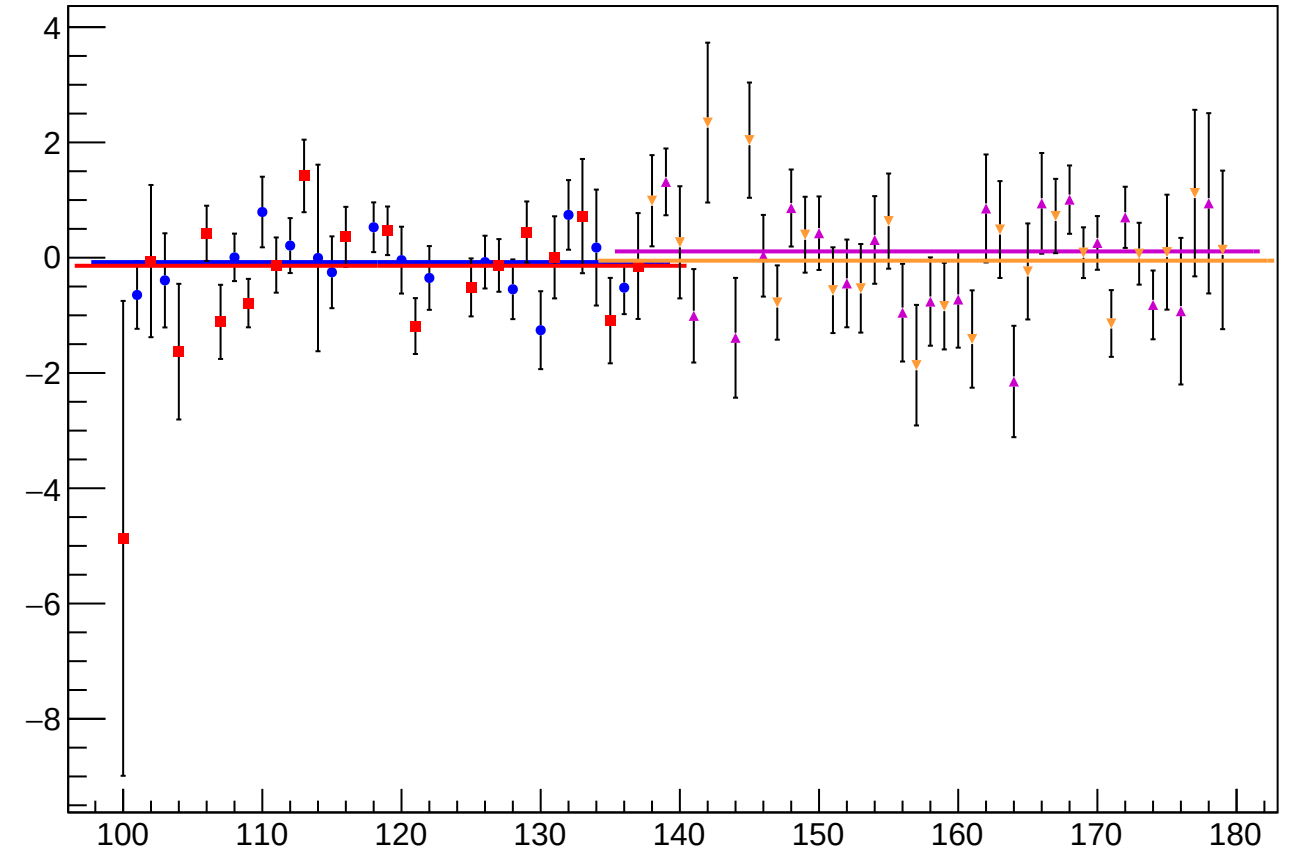
Right Out: 338.410+/-0.098 χ^2/NDF: 1203282.0/17

Left In: 622.232+/-0.114 χ^2/NDF:1941491.4/19

+ sign 473.994+/-0.075 χ^2/NDF: 6596817.0/36

All: 466.051+/-0.053 χ^2/NDF: 13340667.3/74

- sign 458.375+/-0.074 χ^2/NDF: 6722030.8/37



Right In: -0.076+/-0.140 χ^2/NDF: 12.5/15

Left Out: -0.052+/-0.165 χ^2/NDF:25.5/20

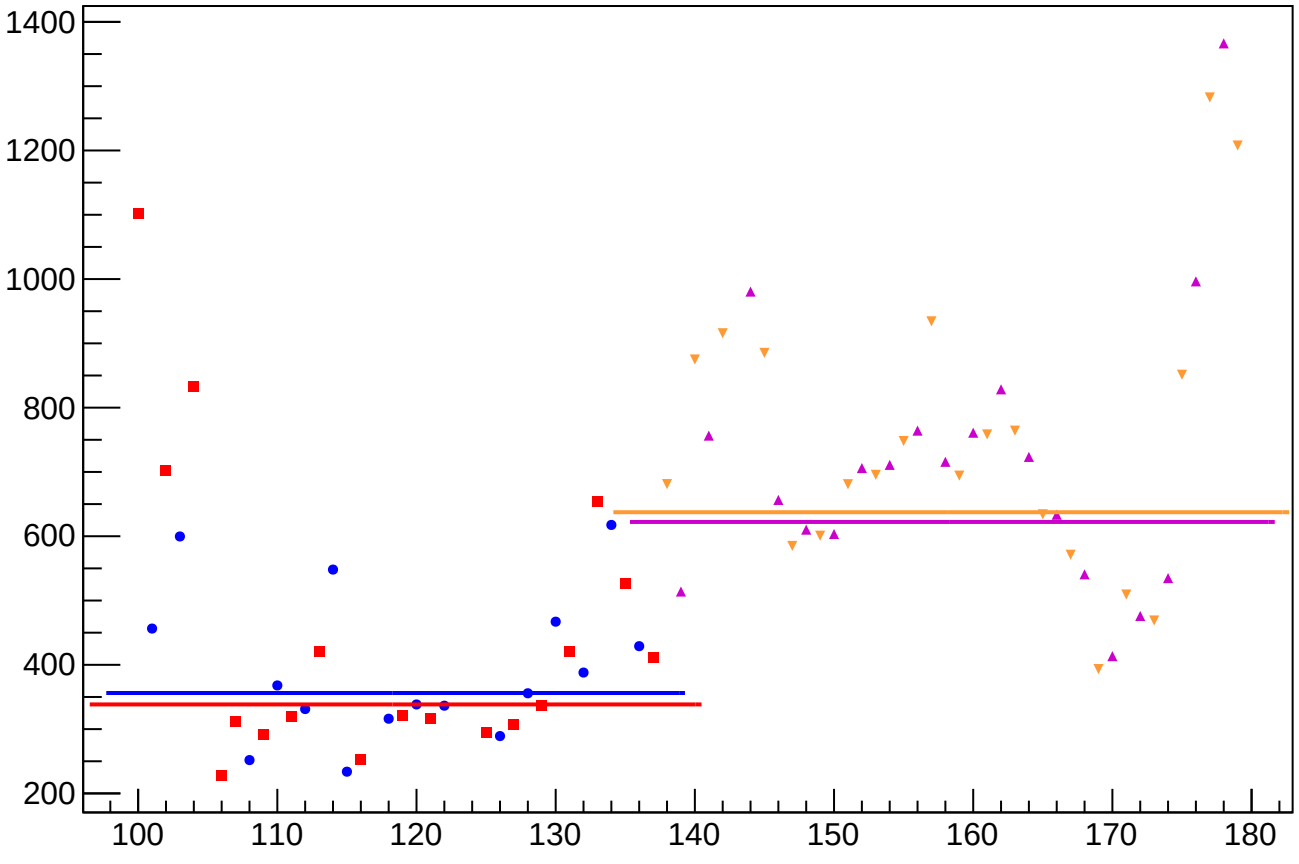
Right Out: -0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: 0.109+/-0.161 χ^2/NDF:28.3/19

+ sign -0.066+/-0.107 χ^2/NDF: 38.0/36

All: -0.050+/-0.075 χ^2/NDF: 94.7/74

- sign -0.035+/-0.105 χ^2/NDF: 56.7/37



Right In: 356.190+/-0.099 χ^2/NDF: 785107.3/15

Left Out: 637.367+/-0.116 χ^2/NDF:2426910.8/20

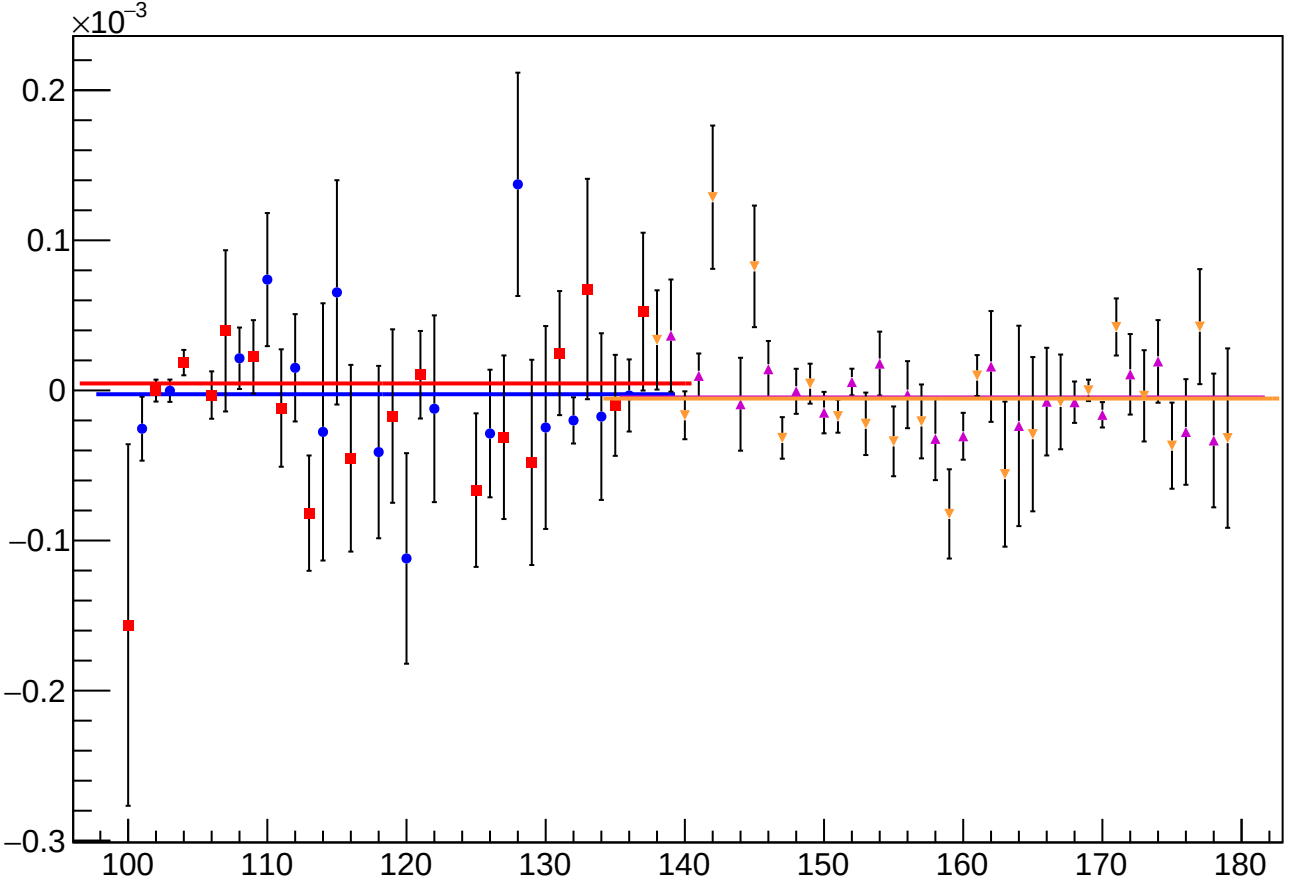
Right Out: 338.410+/-0.098 χ^2/NDF: 1203282.0/17

Left In: 622.232+/-0.114 χ^2/NDF:1941491.4/19

+ sign 473.994+/-0.075 χ^2/NDF: 6596817.0/36

All: 466.051+/-0.053 χ^2/NDF: 13340667.3/74

- sign 458.375+/-0.074 χ^2/NDF: 6722030.8/37



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

Left Out: -0.000+/-0.000 χ^2/NDF:41.4/20

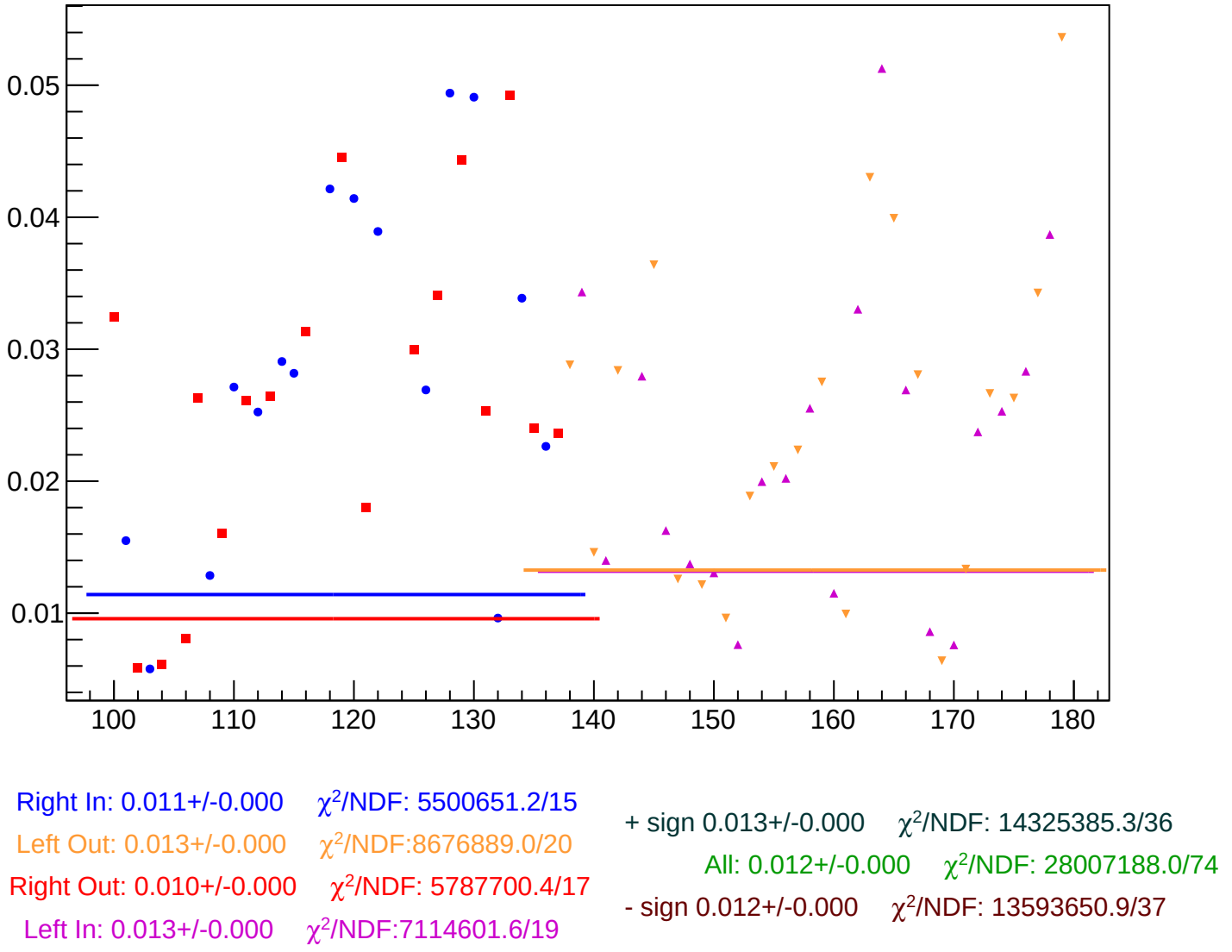
Right Out: 0.000+/-0.000 χ^2/NDF: 17.1/17

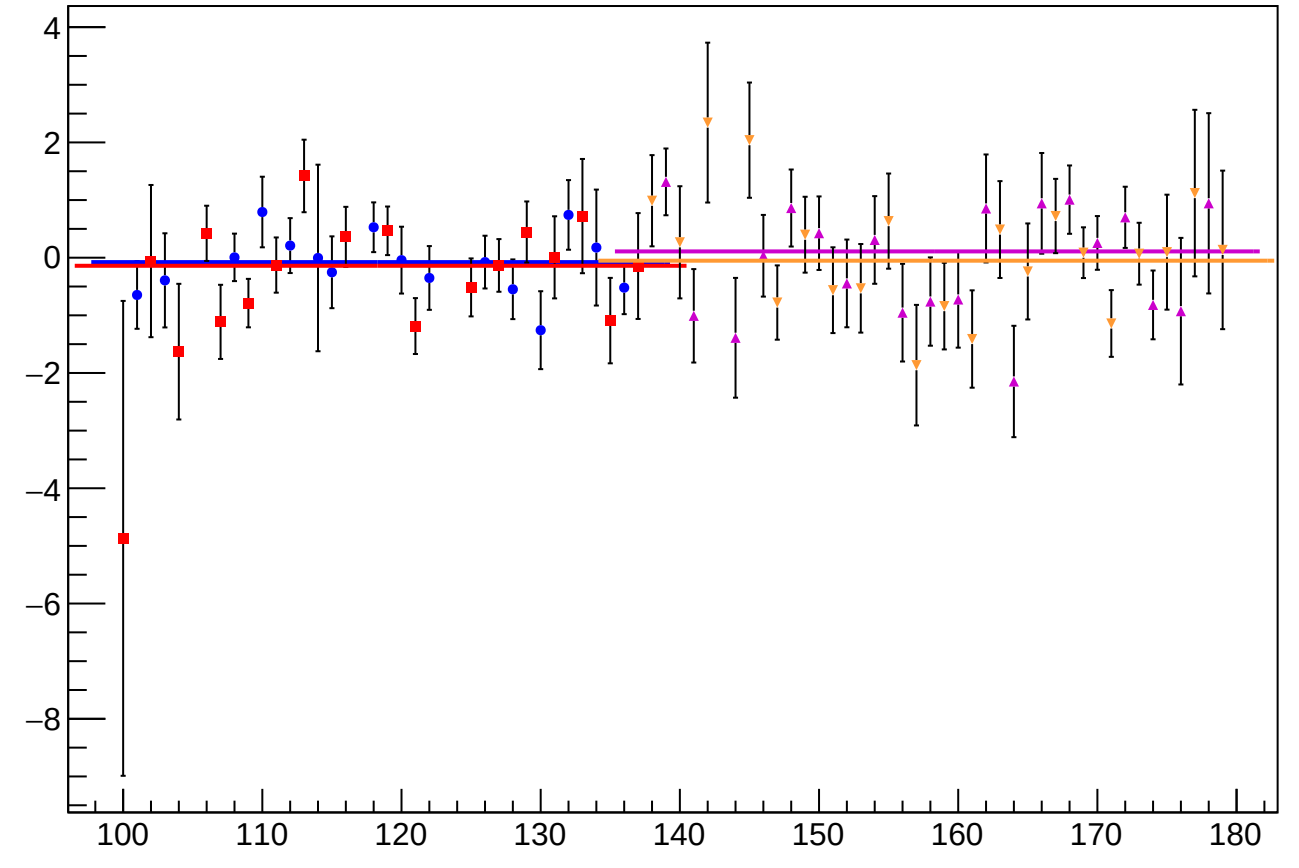
Left In: -0.000+/-0.000 χ^2/NDF:14.3/19

+ sign -0.000+/-0.000 χ^2/NDF: 56.6/36

All: -0.000+/-0.000 χ^2/NDF: 90.9/74

- sign -0.000+/-0.000 χ^2/NDF: 33.7/37


asym_us_avg_at2lr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.05
0.04
0.03
0.02
0.01
100
110
120
130
140
150
160
170
180
Right In: 0.011+/-0.000 χ²/NDF: 5500651.2/15
Left Out: 0.013+/-0.000 χ²/NDF:8676889.0/20
Right Out: 0.010+/-0.000 χ²/NDF: 5787700.4/17
Left In: 0.013+/-0.000 χ²/NDF:7114601.6/19
+ sign 0.013+/-0.000 χ²/NDF: 14325385.3/36
All: 0.012+/-0.000 χ²/NDF: 28007188.0/74
- sign 0.012+/-0.000 χ²/NDF: 13593650.9/37



Right In: -0.076+/-0.140 χ^2/NDF: 12.5/15

Left Out: -0.052+/-0.165 χ^2/NDF:25.5/20

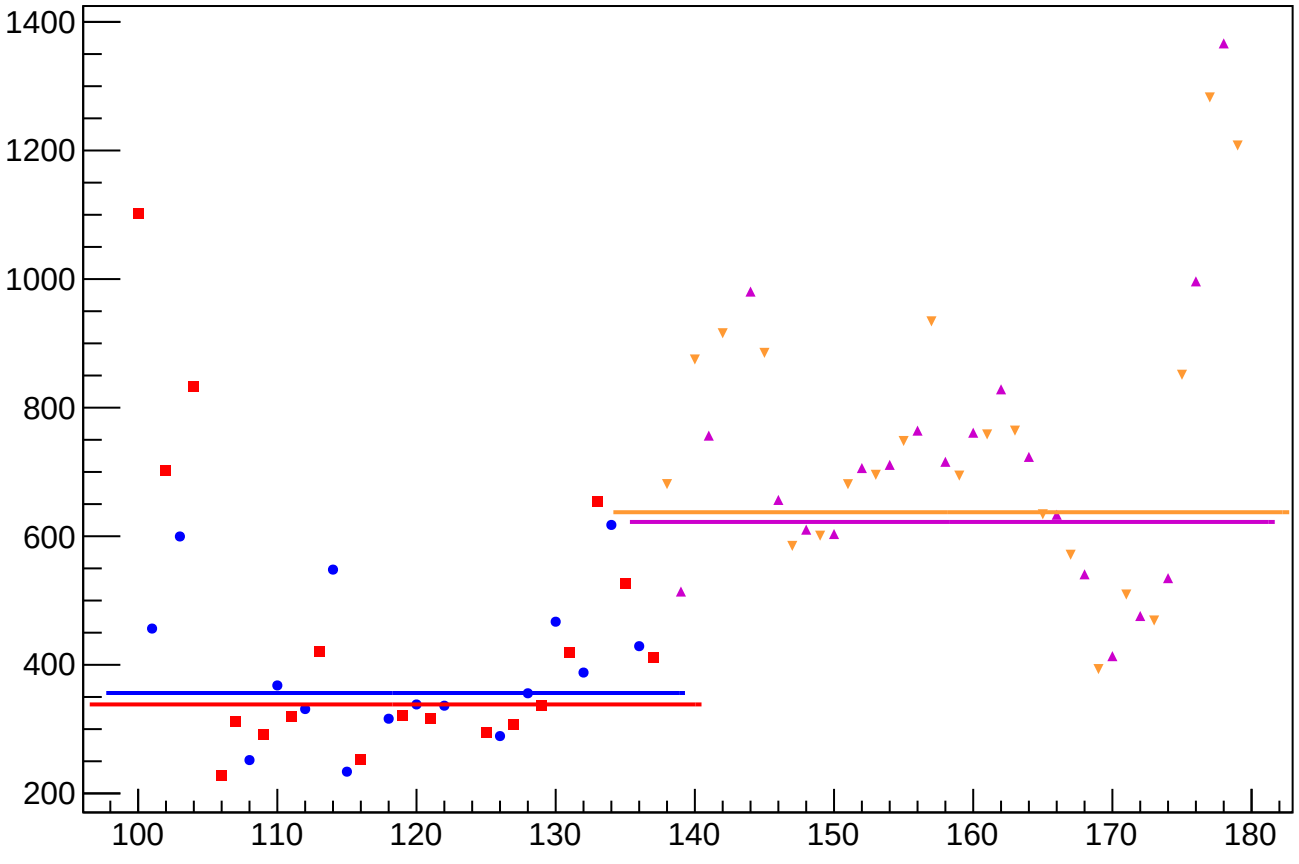
Right Out: -0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: 0.109+/-0.161 χ^2/NDF:28.3/19

+ sign -0.066+/-0.107 χ^2/NDF: 38.0/36

All: -0.050+/-0.075 χ^2/NDF: 94.7/74

- sign -0.035+/-0.105 χ^2/NDF: 56.7/37



Right In: 356.188+/-0.099 χ^2/NDF: 785072.9/15

Left Out: 637.367+/-0.116 χ^2/NDF:2427119.1/20

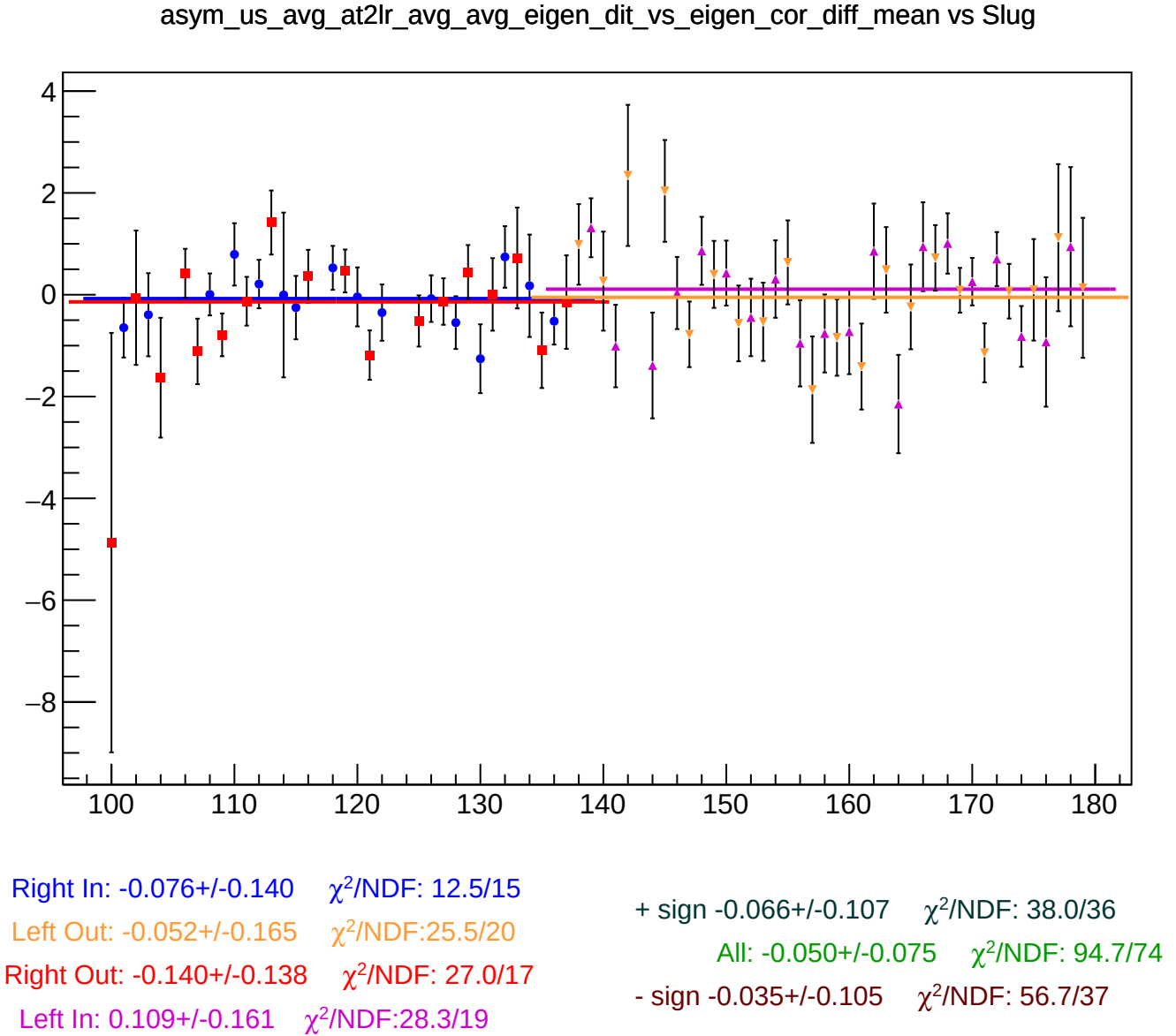
Right Out: 338.408+/-0.098 χ^2/NDF: 1203260.7/17

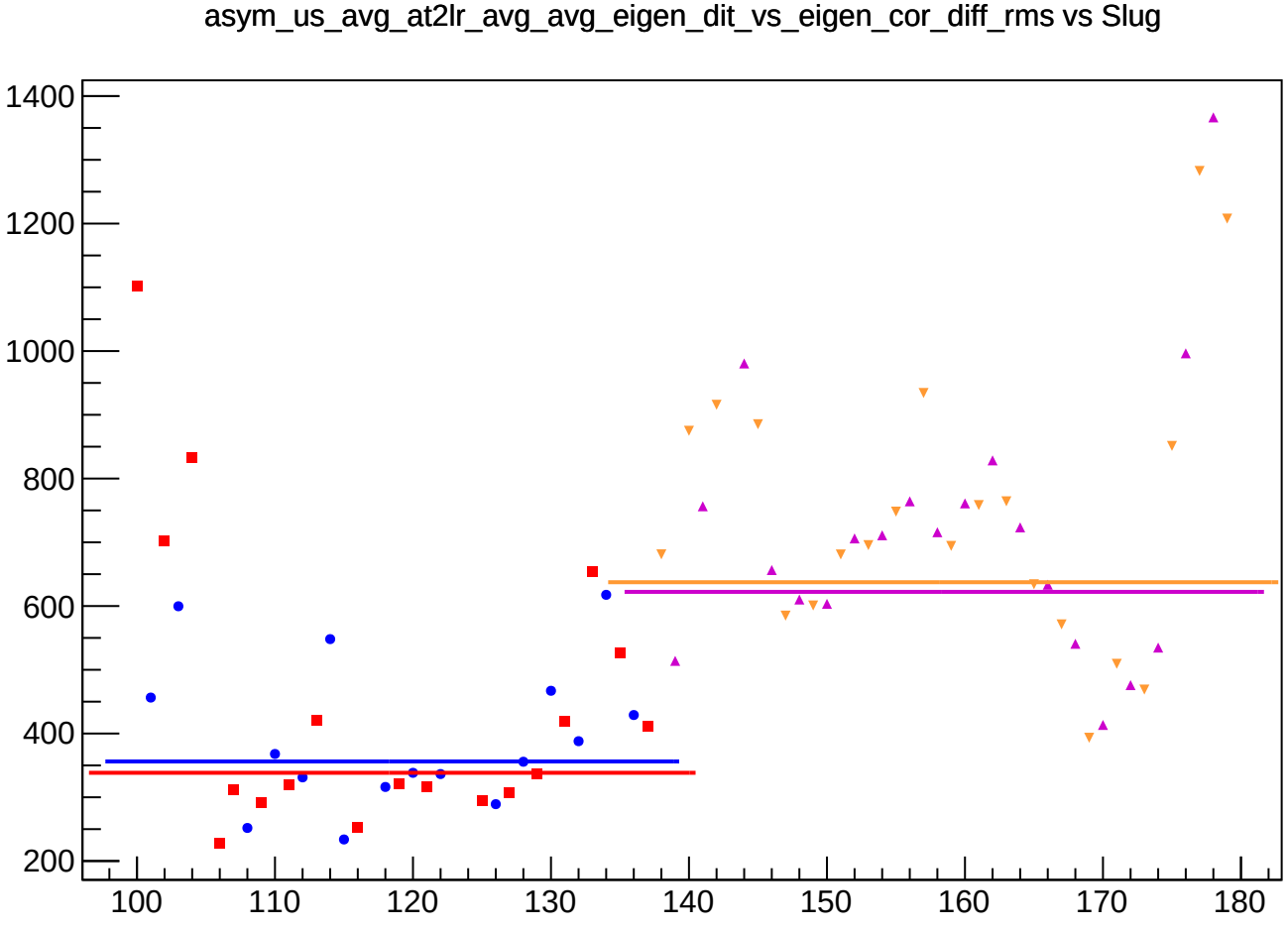
Left In: 622.235+/-0.114 χ^2/NDF:1941626.9/19

+ sign 473.992+/-0.075 χ^2/NDF: 6597028.0/36

All: 466.049+/-0.053 χ^2/NDF: 13341105.8/74

- sign 458.373+/-0.074 χ^2/NDF: 6722258.1/37


asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
4
2
0
−2
−4
−6
−8
100
110
120
130
140
150
160
170
180
Right In: -0.076+/-0.140 χ²/NDF: 12.5/15
Left Out: -0.052+/-0.165 χ²/NDF:25.5/20
Right Out: -0.140+/-0.138 χ²/NDF: 27.0/17
Left In: 0.109+/-0.161 χ²/NDF:28.3/19
+ sign -0.066+/-0.107 χ²/NDF: 38.0/36
All: -0.050+/-0.075 χ²/NDF: 94.7/74
- sign -0.035+/-0.105 χ²/NDF: 56.7/37



Right In: 356.188+/-0.099 χ^2/NDF: 785072.9/15

Left Out: 637.367+/-0.116 χ^2/NDF:2427119.1/20

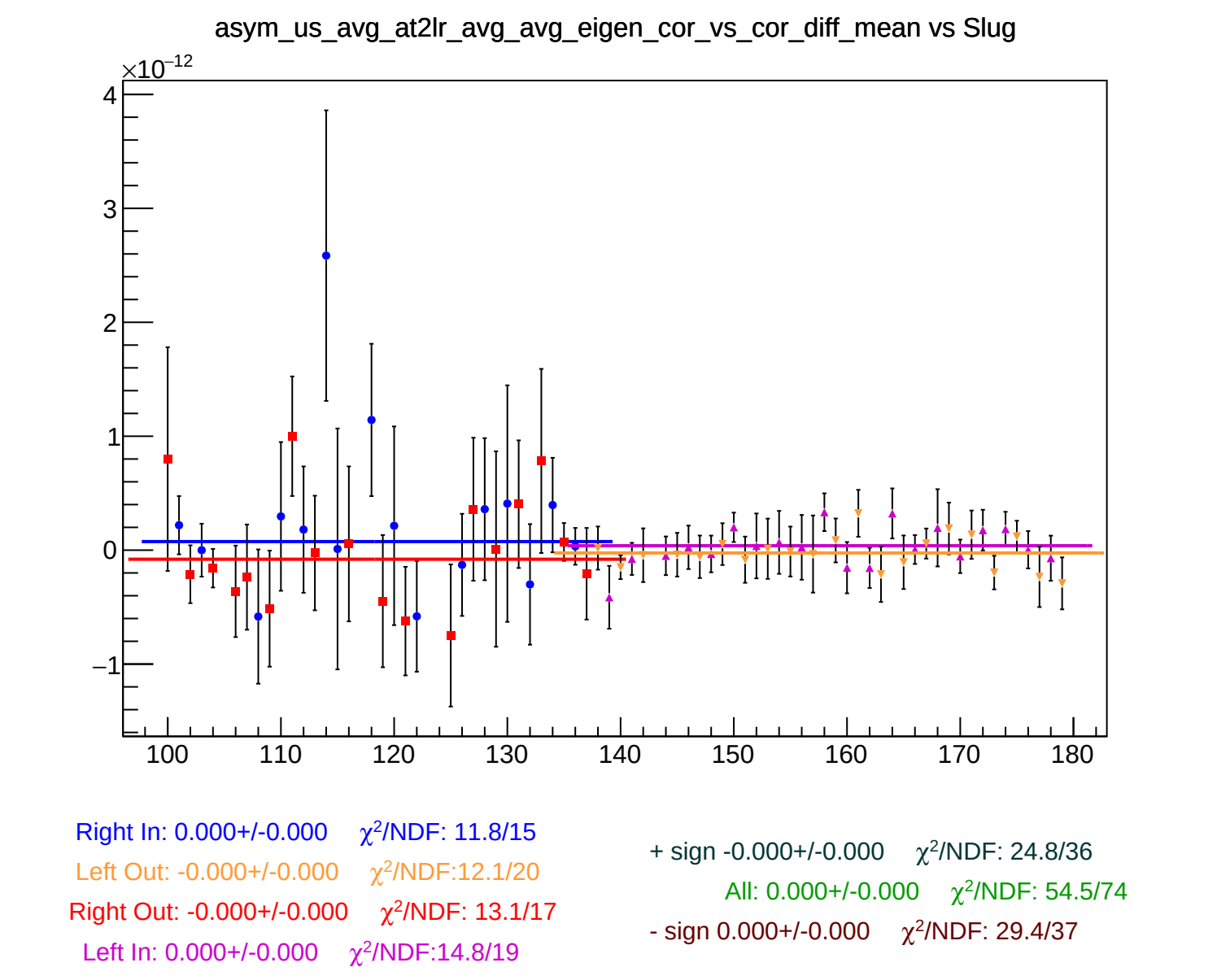
Right Out: 338.408+/-0.098 χ^2/NDF: 1203260.7/17

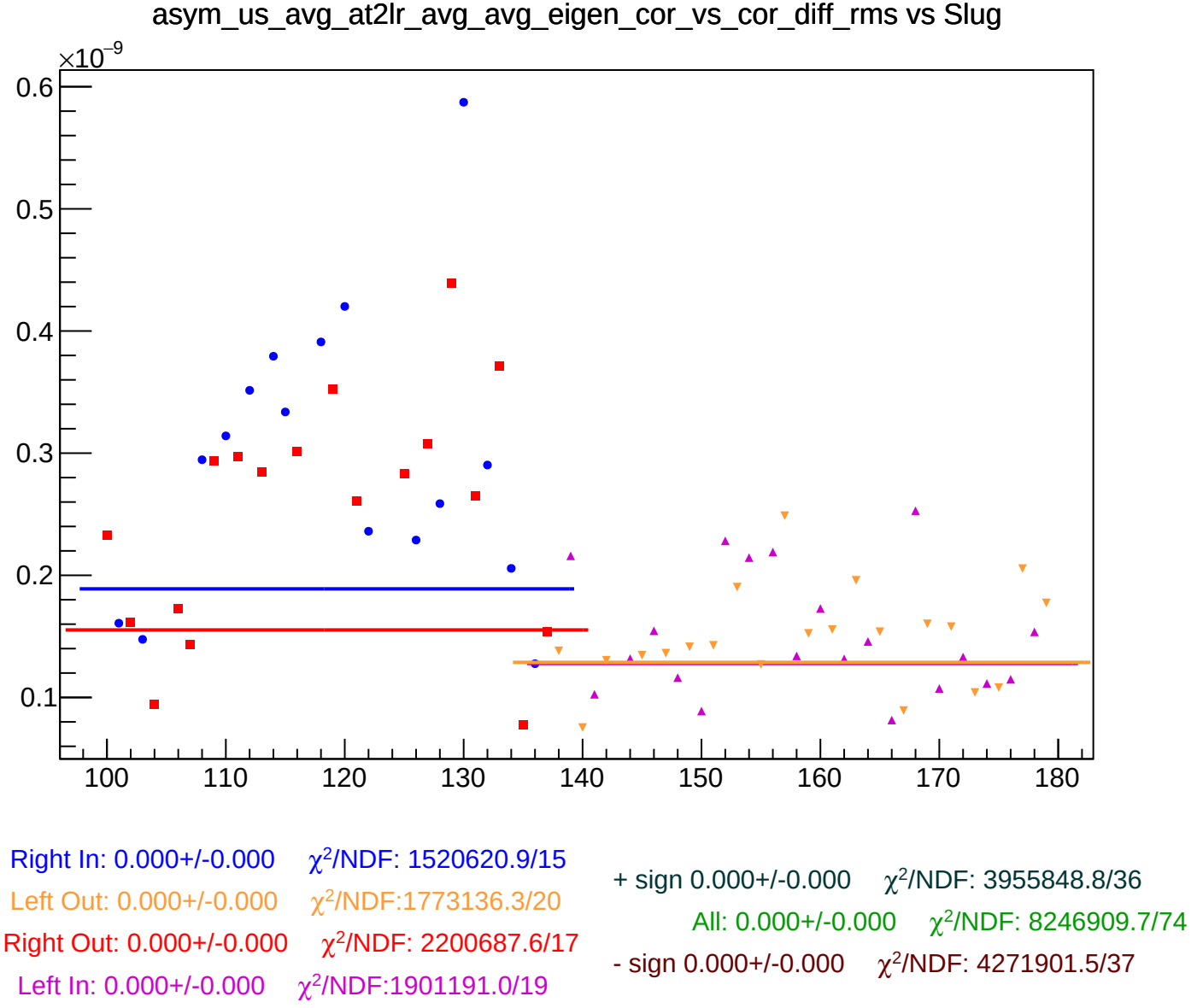
Left In: 622.235+/-0.114 χ^2/NDF:1941626.9/19

+ sign 473.992+/-0.075 χ^2/NDF: 6597028.0/36

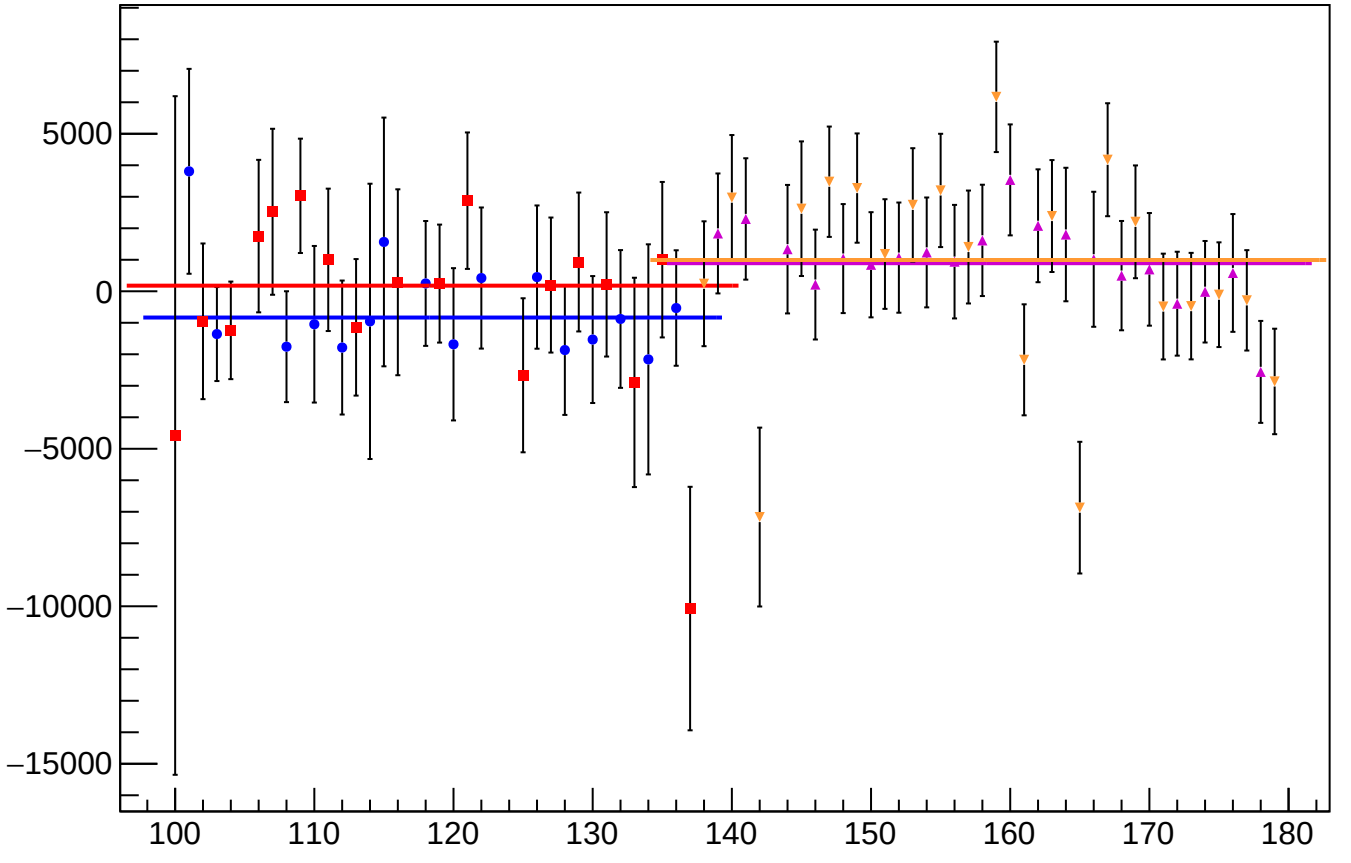
All: 466.049+/-0.053 χ^2/NDF: 13341105.8/74

- sign 458.373+/-0.074 χ^2/NDF: 6722258.1/37


asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
4
3
2
1
0
−1
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 11.8/15
Left Out: -0.000+/-0.000 χ²/NDF:12.1/20
Right Out: -0.000+/-0.000 χ²/NDF: 13.1/17
Left In: 0.000+/-0.000 χ²/NDF:14.8/19
+ sign -0.000+/-0.000 χ²/NDF: 24.8/36
All: 0.000+/-0.000 χ²/NDF: 54.5/74
- sign 0.000+/-0.000 χ²/NDF: 29.4/37


asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.6
0.5
0.4
0.3
0.2
0.1
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1520620.9/15
Left Out: 0.000+/-0.000 χ²/NDF:1773136.3/20
Right Out: 0.000+/-0.000 χ²/NDF: 2200687.6/17
Left In: 0.000+/-0.000 χ²/NDF:1901191.0/19
+ sign 0.000+/-0.000 χ²/NDF: 3955848.8/36
All: 0.000+/-0.000 χ²/NDF: 8246909.7/74
- sign 0.000+/-0.000 χ²/NDF: 4271901.5/37

reg_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -833.479+/-554.833 χ^2/NDF: 4.6/15

Left Out: 992.563+/-395.226 χ^2/NDF:54.5/20

Right Out: 178.292+/-547.824 χ^2/NDF: 16.5/17

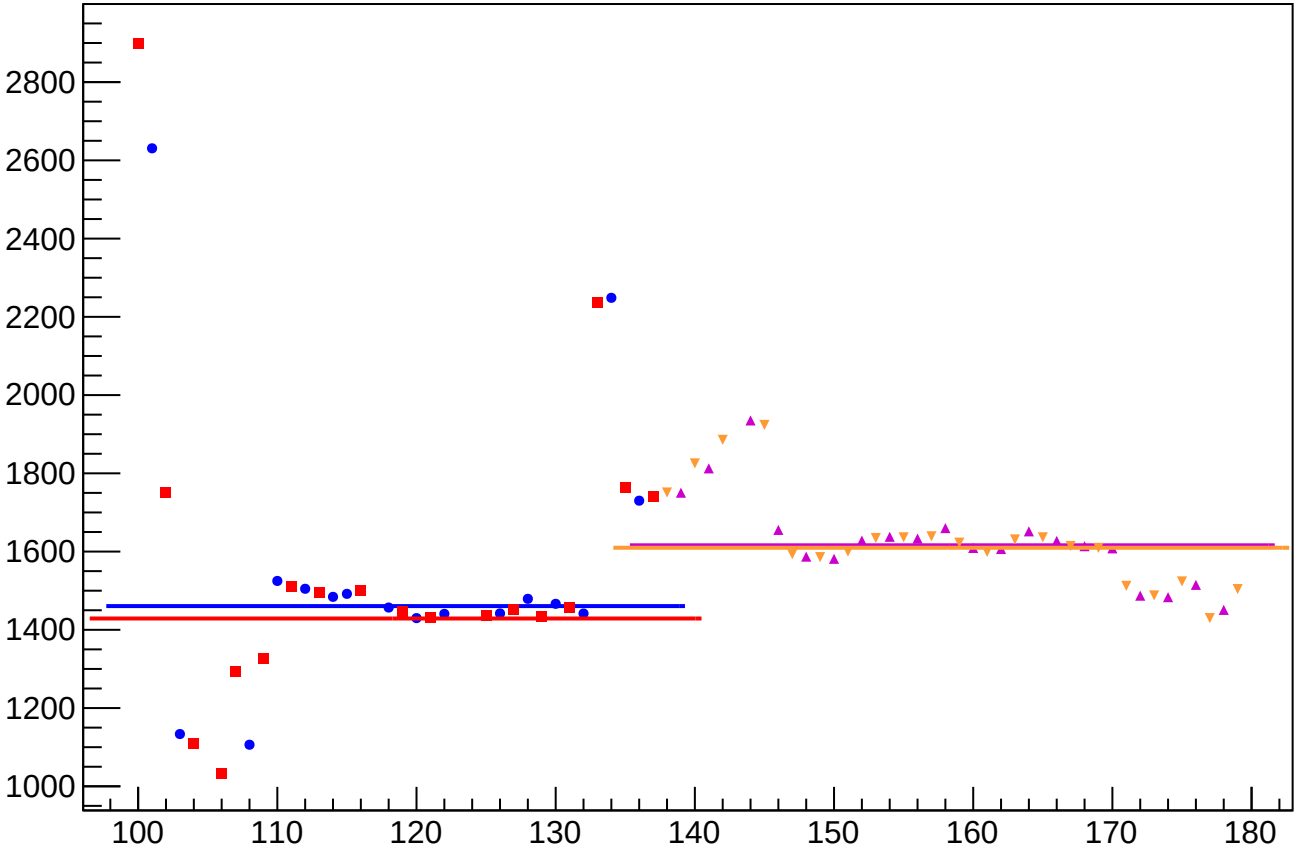
Left In: 891.887+/-400.621 χ^2/NDF:9.6/19

+ sign 377.892+/-321.905 χ^2/NDF: 66.3/36

All: 509.959+/-228.140 χ^2/NDF: 93.8/74

- sign 643.237+/-323.377 χ^2/NDF: 27.2/37

reg_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.1/15

Left Out: 1609.769+/-0.279 χ^2/NDF:154423.4/20

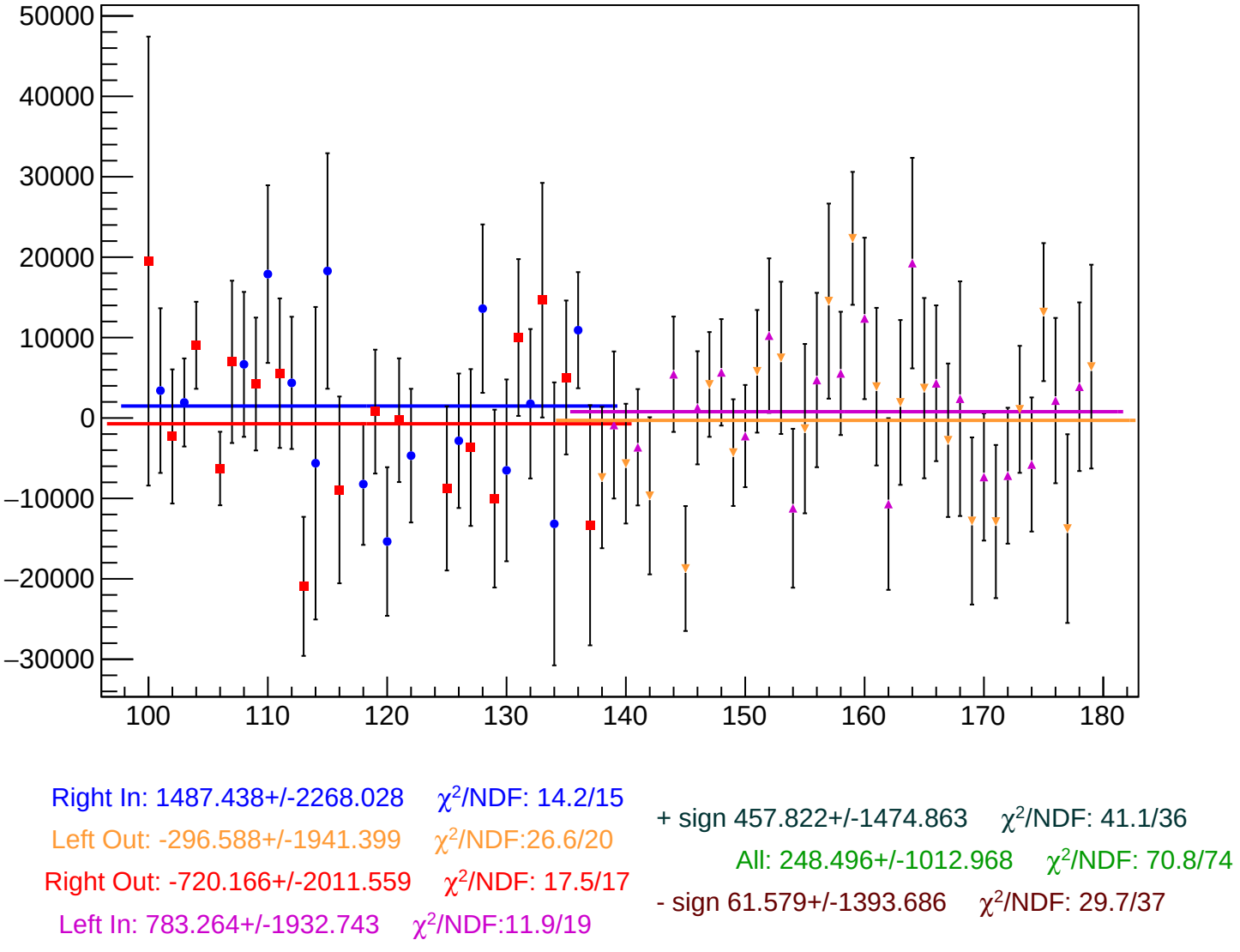
Right Out: 1428.940+/-0.385 χ^2/NDF: 411275.6/17

Left In: 1616.030+/-0.283 χ^2/NDF:137167.2/19

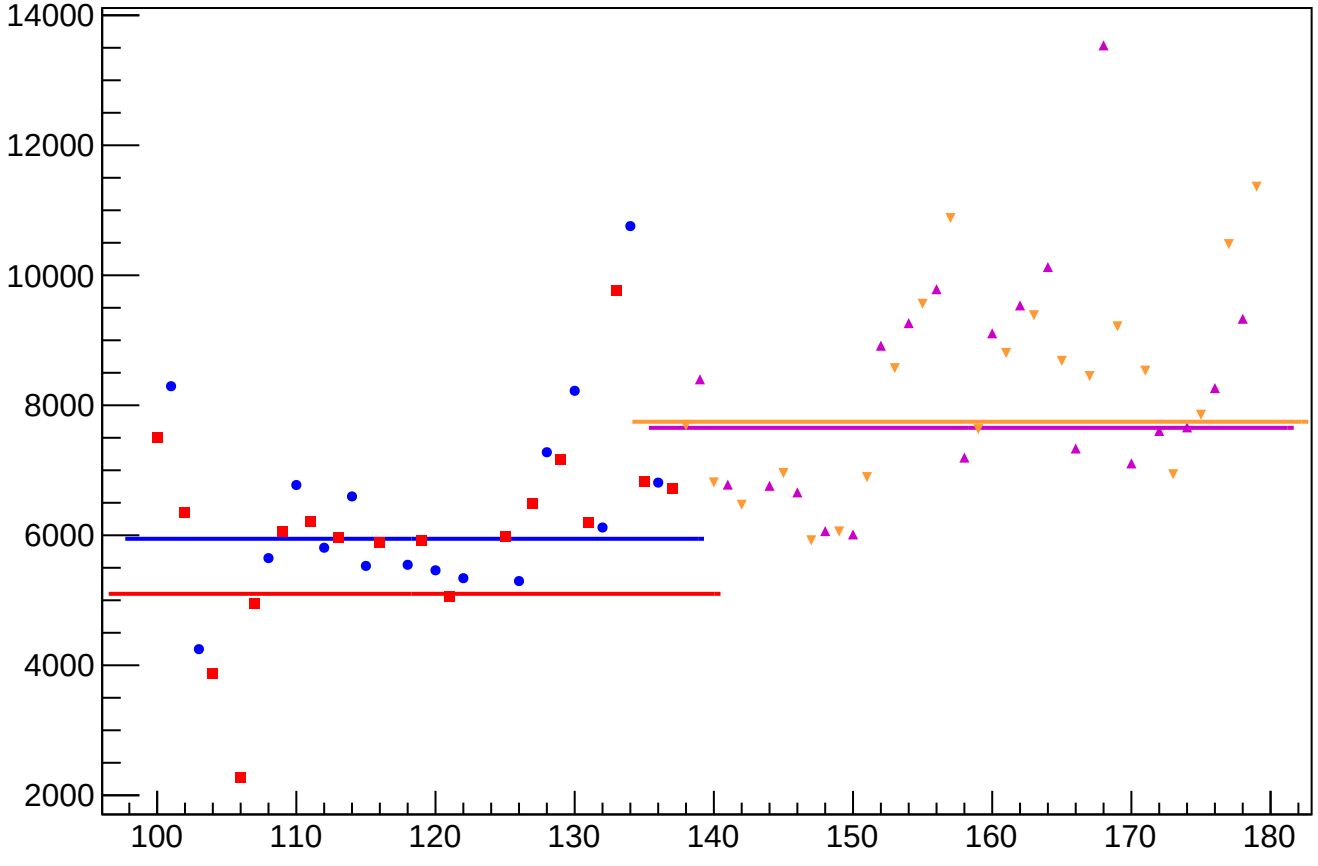
+ sign 1559.575+/-0.228 χ^2/NDF: 825993.1/36

All: 1554.901+/-0.161 χ^2/NDF: 1528735.7/74

- sign 1550.208+/-0.228 χ^2/NDF: 701897.7/37


asym_us_avg_at2lr_avg_dd_reg_correction_mean vs Slug
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
170
180
Right In: 1487.438+/-2268.028 χ²/NDF: 14.2/15
Left Out: -296.588+/-1941.399 χ²/NDF:26.6/20
Right Out: -720.166+/-2011.559 χ²/NDF: 17.5/17
Left In: 783.264+/-1932.743 χ²/NDF:11.9/19
+ sign 457.822+/-1474.863 χ²/NDF: 41.1/36
All: 248.496+/-1012.968 χ²/NDF: 70.8/74
- sign 61.579+/-1393.686 χ²/NDF: 29.7/37

asym_us_avg_at2lr_avg_dd_reg_correction_rms vs Slug



Right In: 5946.080+/-1.604 χ^2/NDF: 641131.4/15

Left Out: 7746.731+/-1.373 χ^2/NDF:1051144.0/20

Right Out: 5099.375+/-1.422 χ^2/NDF: 1480367.2/17

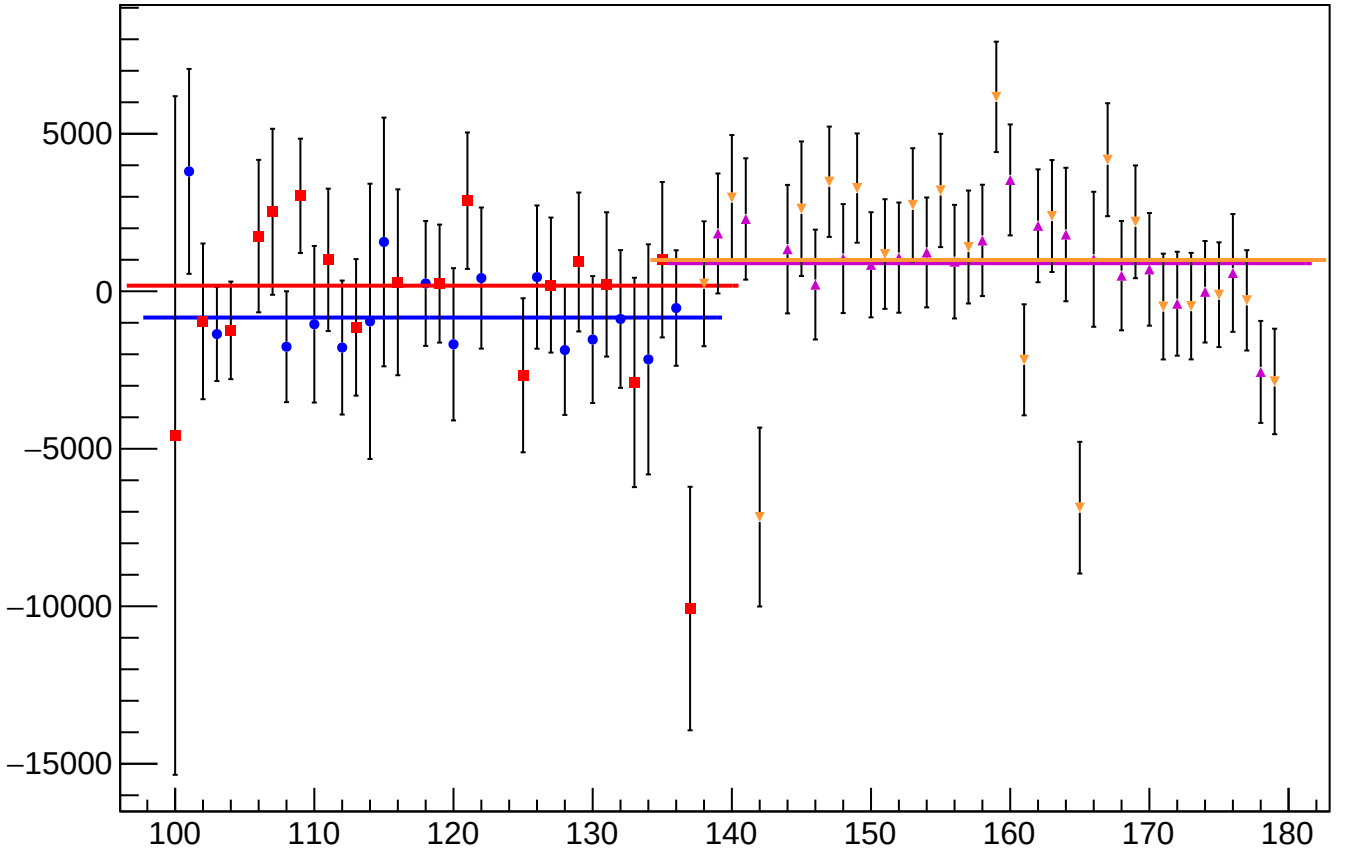
Left In: 7653.144+/-1.367 χ^2/NDF:1104816.8/19

+ sign 6985.290+/-1.043 χ^2/NDF: 2419830.8/36

All: 6690.501+/-0.716 χ^2/NDF: 6832401.0/74

- sign 6427.269+/-0.985 χ^2/NDF: 4261322.5/37

cor_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -833.542+/-554.833 χ^2/NDF: 4.6/15

Left Out: 992.655+/-395.226 χ^2/NDF:54.5/20

Right Out: 178.133+/-547.824 χ^2/NDF: 16.5/17

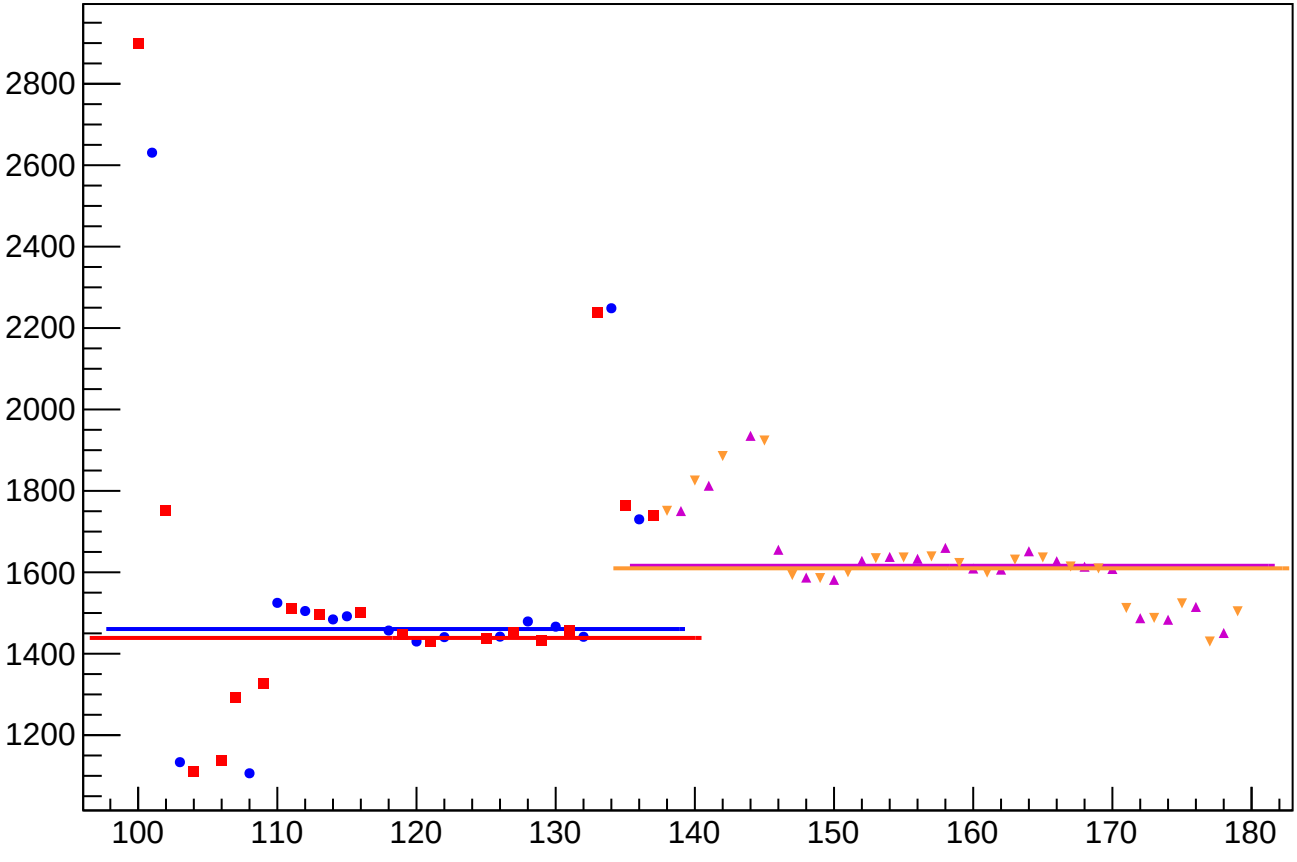
Left In: 891.782+/-400.621 χ^2/NDF:9.6/19

\+ sign 377.932+/-321.905 χ^2/NDF: 66.3/36

All: 509.918+/-228.140 χ^2/NDF: 93.8/74

\- sign 643.113+/-323.377 χ^2/NDF: 27.2/37

cor_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.3/15

Left Out: 1609.769+/-0.279 χ^2/NDF:154423.4/20

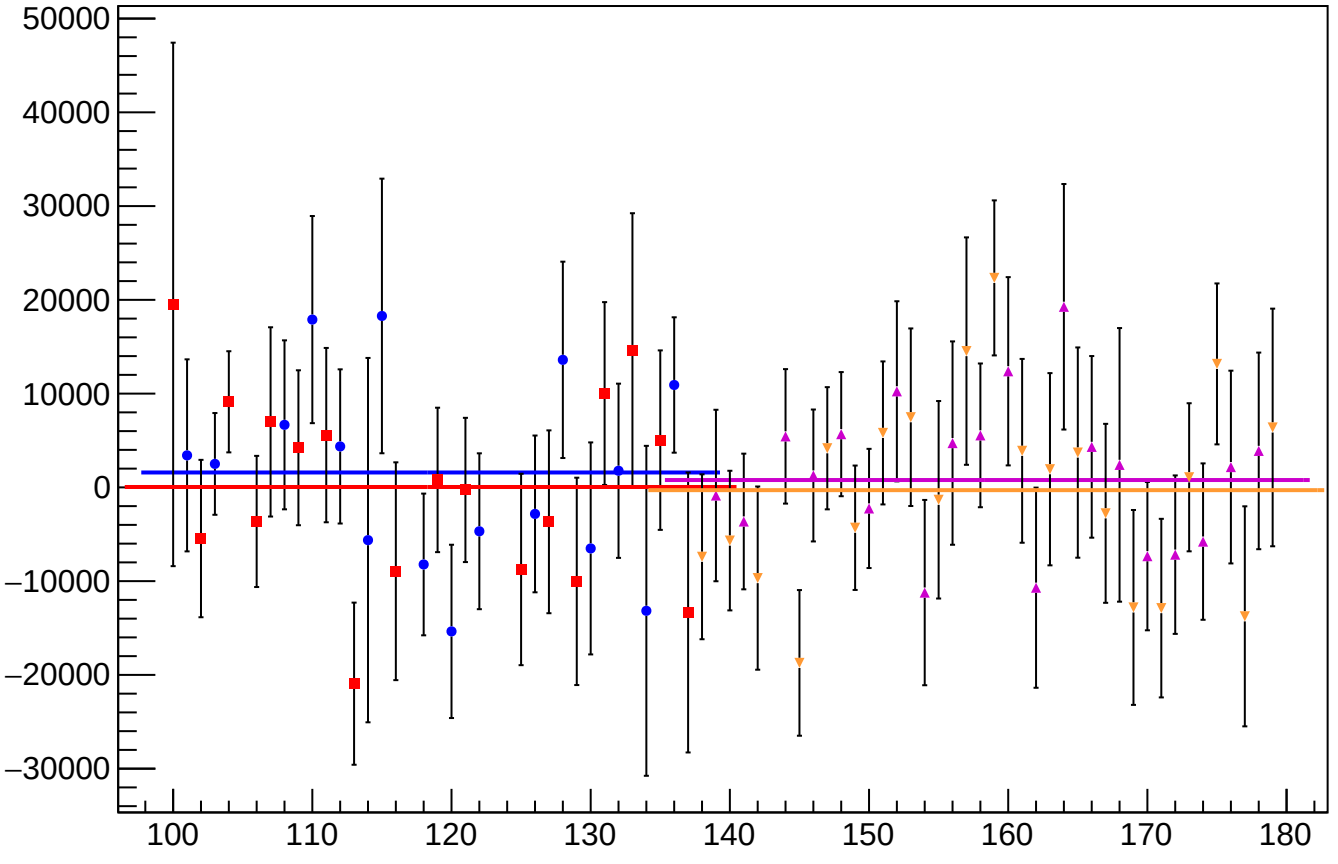
Right Out: 1438.764+/-0.386 χ^2/NDF: 373375.6/17

Left In: 1616.030+/-0.283 χ^2/NDF:137167.2/19

+ sign 1559.575+/-0.228 χ^2/NDF: 825993.5/36

All: 1556.837+/-0.161 χ^2/NDF: 1473676.5/74

- sign 1554.078+/-0.228 χ^2/NDF: 647392.4/37



Right In: 1588.655+/-2264.260 χ^2/NDF: 14.2/15

Left Out: -296.571+/-1941.399 χ^2/NDF:26.6/20

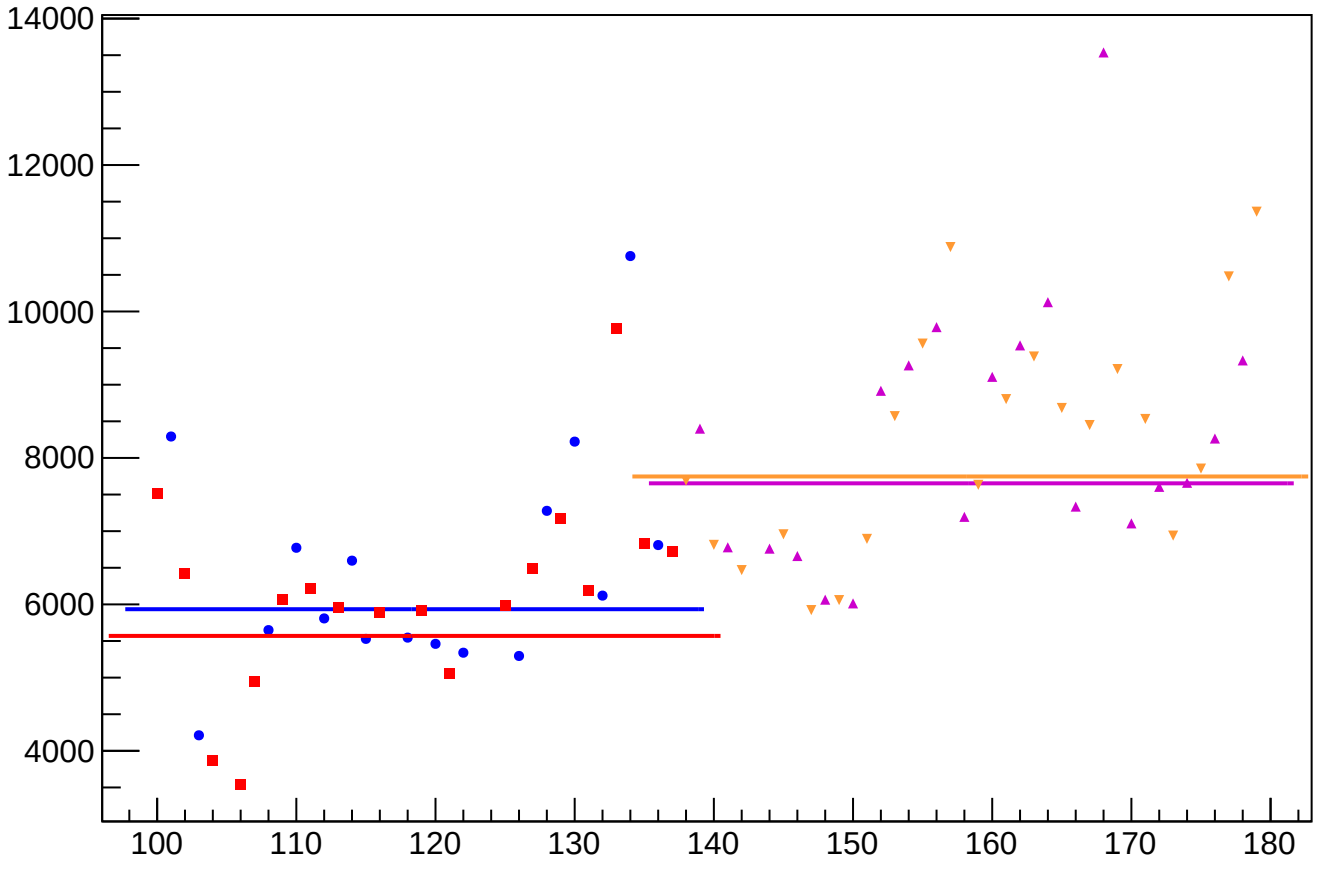
Right Out: 40.643+/-2133.039 χ^2/NDF: 16.5/17

Left In: 783.297+/-1932.741 χ^2/NDF:11.9/19

\+ sign 502.164+/-1473.825 χ^2/NDF: 41.2/36

All: 474.548+/-1027.135 χ^2/NDF: 69.6/74

\- sign 448.467+/-1432.245 χ^2/NDF: 28.4/37



Right In: 5934.209+/-1.601 χ^2/NDF: 653082.9/15

Left Out: 7746.729+/-1.373 χ^2/NDF:1051145.3/20

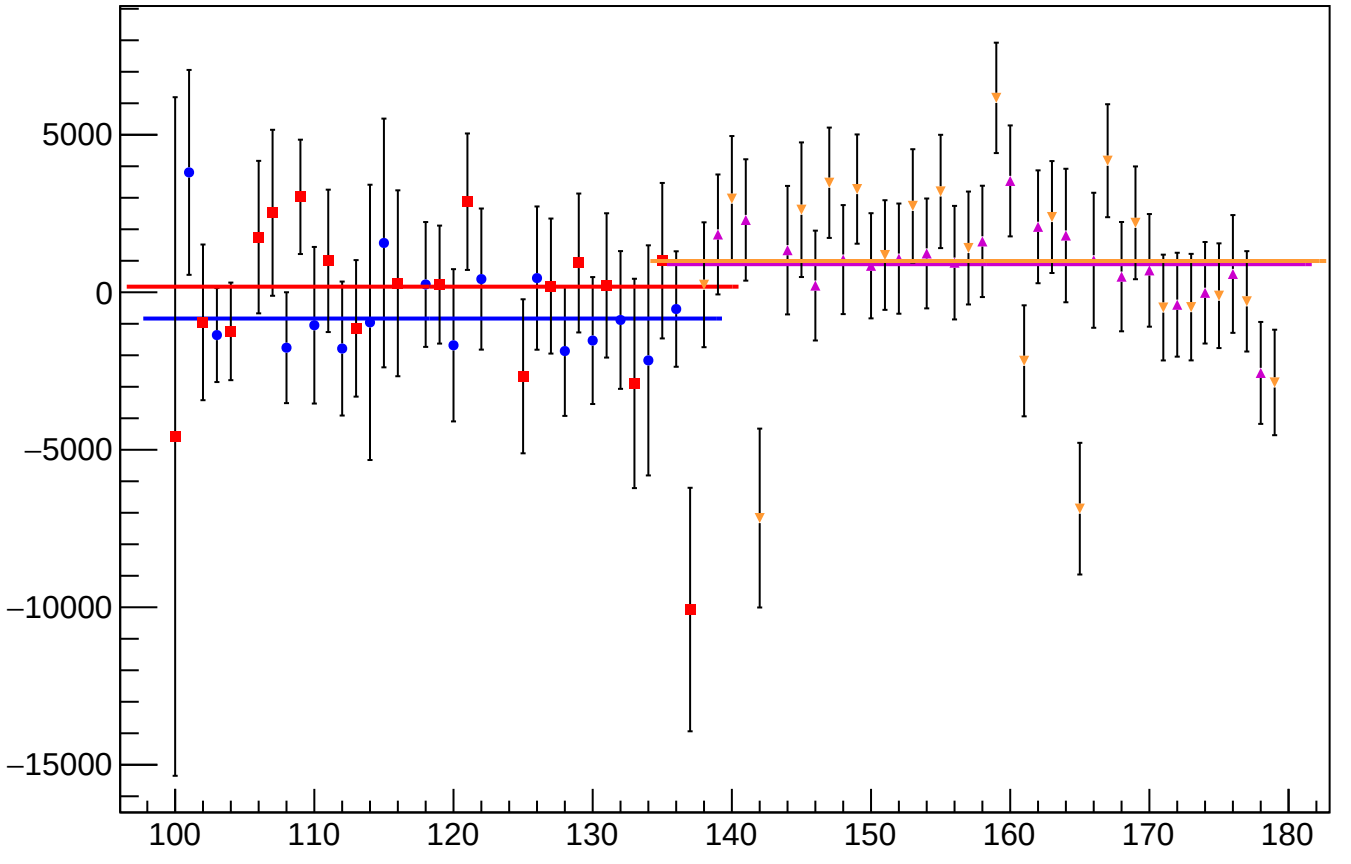
Right Out: 5569.606+/-1.508 χ^2/NDF: 724048.8/17

Left In: 7653.138+/-1.367 χ^2/NDF:1104820.8/19

+ sign 6978.798+/-1.042 χ^2/NDF: 2442822.2/36

All: 6842.491+/-0.726 χ^2/NDF: 5352853.8/74

- sign 6713.767+/-1.013 χ^2/NDF: 2876769.2/37



Right In: -833.542+/-554.833 χ^2/NDF: 4.6/15

Left Out: 992.655+/-395.226 χ^2/NDF:54.5/20

Right Out: 178.133+/-547.824 χ^2/NDF: 16.5/17

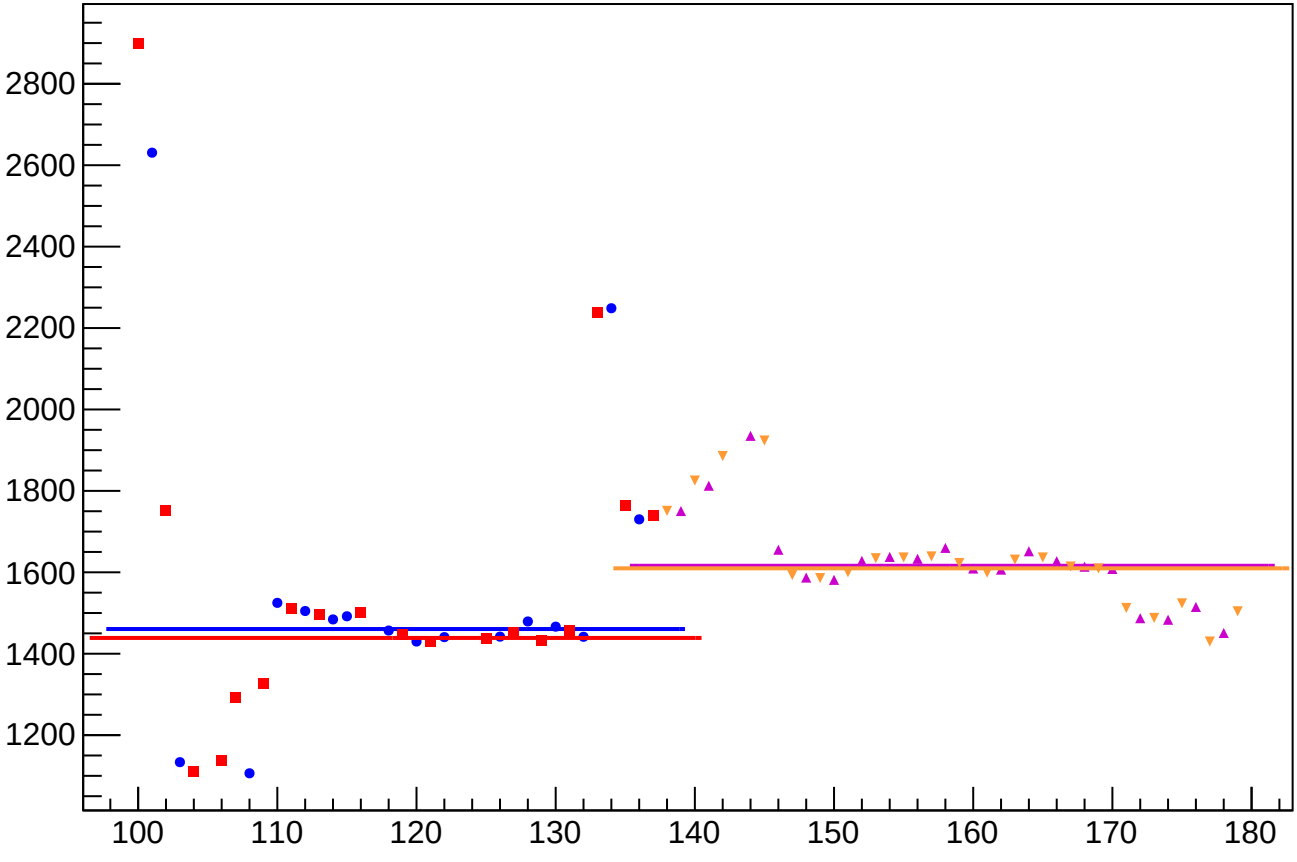
Left In: 891.782+/-400.621 χ^2/NDF:9.6/19

\+ sign 377.932+/-321.905 χ^2/NDF: 66.3/36

All: 509.918+/-228.140 χ^2/NDF: 93.8/74

\- sign 643.113+/-323.377 χ^2/NDF: 27.2/37

eigen_cor_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.3/15

Left Out: 1609.769+/-0.279 χ^2/NDF:154423.4/20

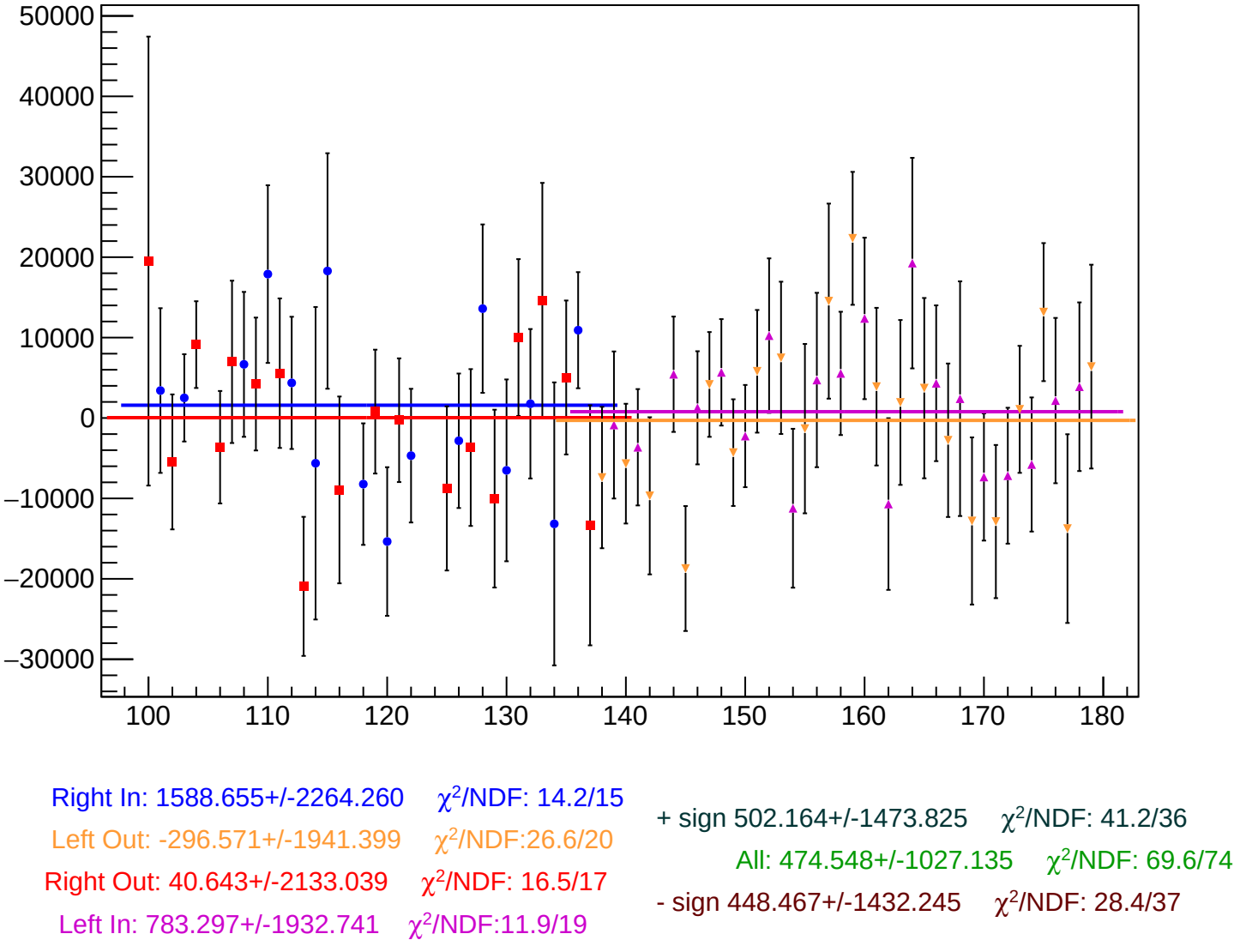
Right Out: 1438.764+/-0.386 χ^2/NDF: 373375.6/17

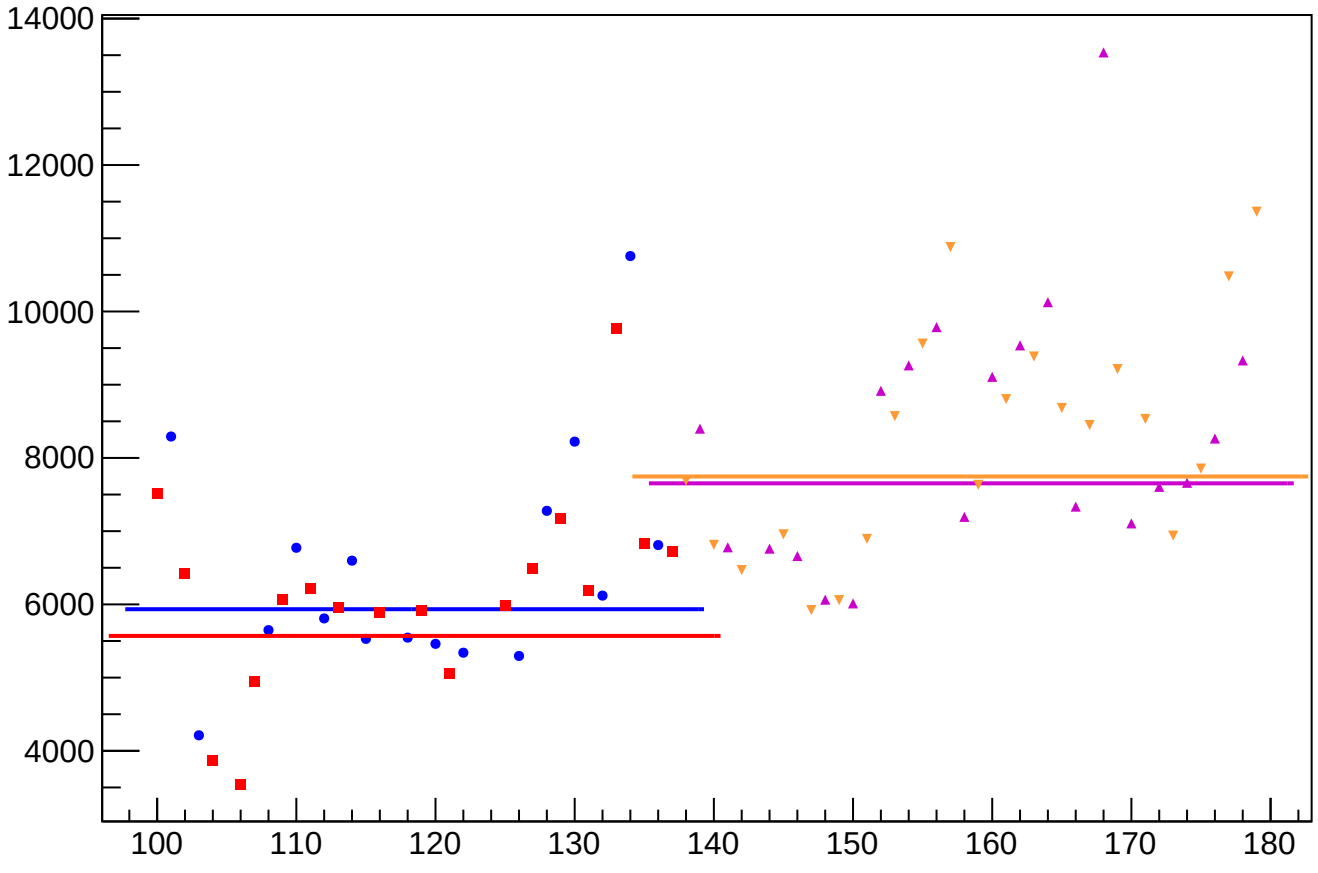
Left In: 1616.030+/-0.283 χ^2/NDF:137167.2/19

+ sign 1559.575+/-0.228 χ^2/NDF: 825993.5/36

All: 1556.837+/-0.161 χ^2/NDF: 1473676.5/74

- sign 1554.078+/-0.228 χ^2/NDF: 647392.4/37


asym_us_avg_at2lr_avg_dd_eigen_cor_correction_mean vs Slug
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
170
180
Right In: 1588.655+/-2264.260 χ²/NDF: 14.2/15
Left Out: -296.571+/-1941.399 χ²/NDF:26.6/20
Right Out: 40.643+/-2133.039 χ²/NDF: 16.5/17
Left In: 783.297+/-1932.741 χ²/NDF:11.9/19
+ sign 502.164+/-1473.825 χ²/NDF: 41.2/36
All: 474.548+/-1027.135 χ²/NDF: 69.6/74
- sign 448.467+/-1432.245 χ²/NDF: 28.4/37



Right In: 5934.209+/-1.601 χ^2/NDF: 653082.9/15

Left Out: 7746.729+/-1.373 χ^2/NDF:1051145.3/20

Right Out: 5569.606+/-1.508 χ^2/NDF: 724048.8/17

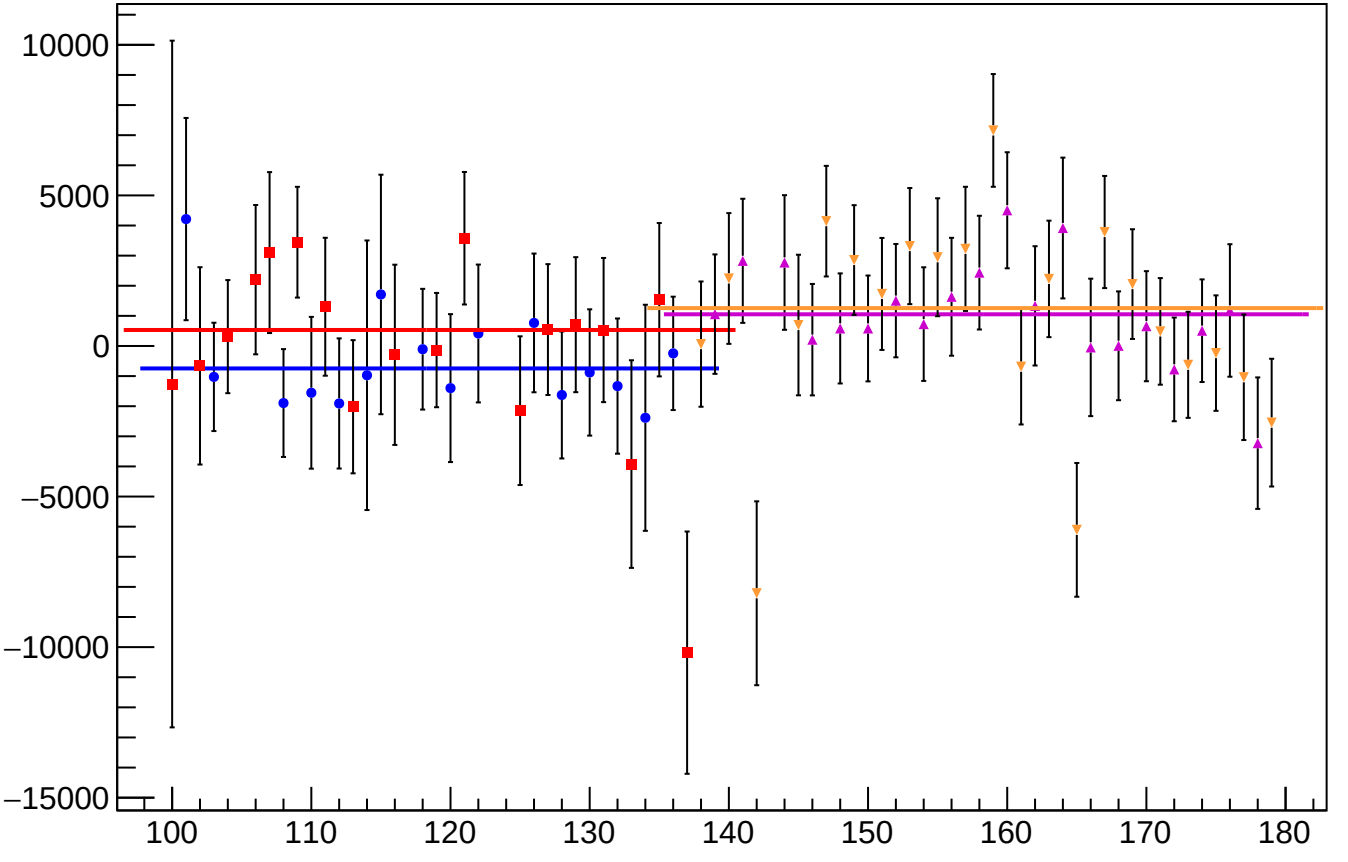
Left In: 7653.138+/-1.367 χ^2/NDF:1104820.8/19

+ sign 6978.798+/-1.042 χ^2/NDF: 2442822.2/36

All: 6842.491+/-0.726 χ^2/NDF: 5352853.8/74

- sign 6713.767+/-1.013 χ^2/NDF: 2876769.2/37

dit_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -745.914+/-578.071 χ^2/NDF: 4.8/15

Left Out: 1257.920+/-431.559 χ^2/NDF:46.9/20

Right Out: 531.292+/-575.115 χ^2/NDF: 17.7/17

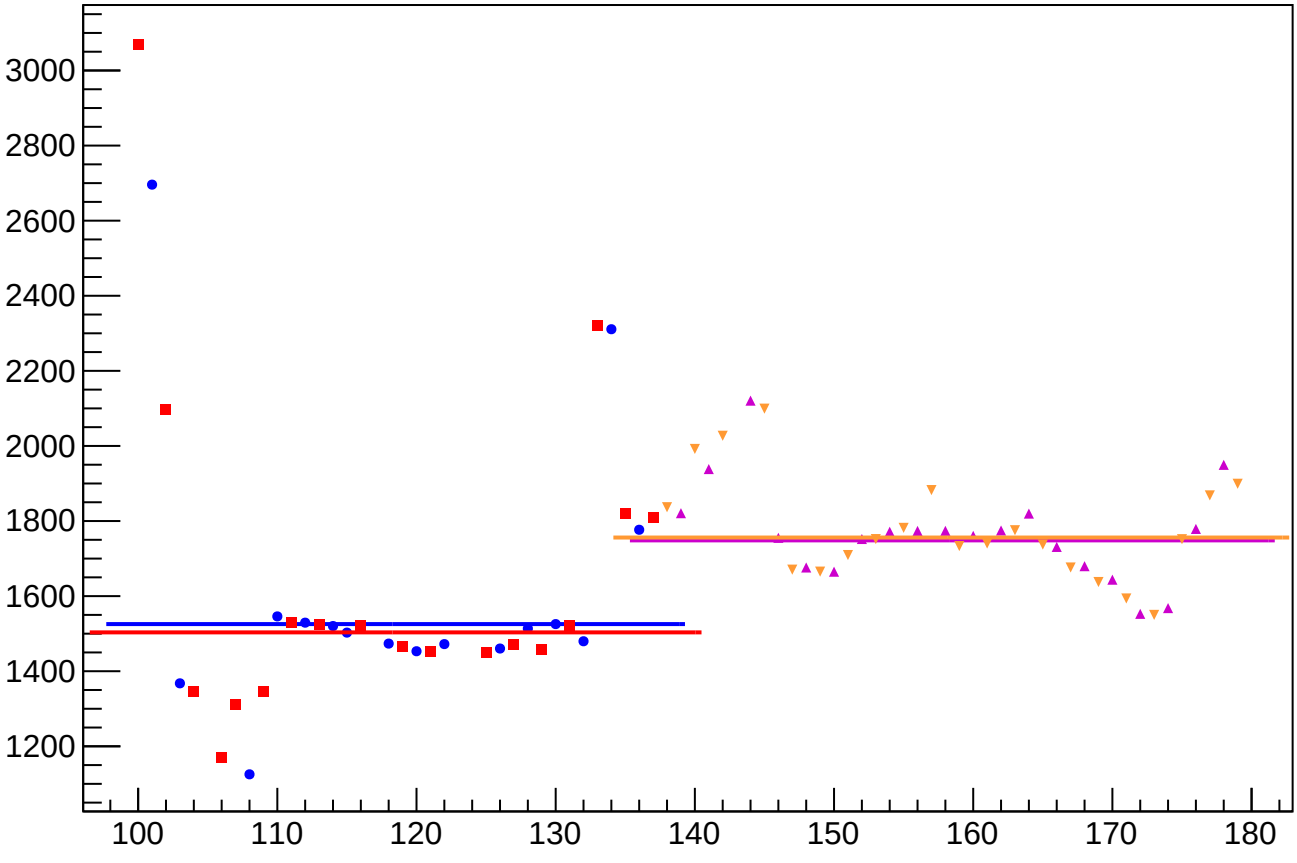
Left In: 1052.336+/-433.851 χ^2/NDF:12.8/19

\+ sign 540.791+/-345.819 χ^2/NDF: 59.4/36

All: 701.828+/-244.719 χ^2/NDF: 90.9/74

\- sign 863.362+/-346.353 χ^2/NDF: 31.1/37

dit_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1525.536+/-0.409 χ^2/NDF: 488328.2/15

Left Out: 1756.061+/-0.305 χ^2/NDF:176108.8/20

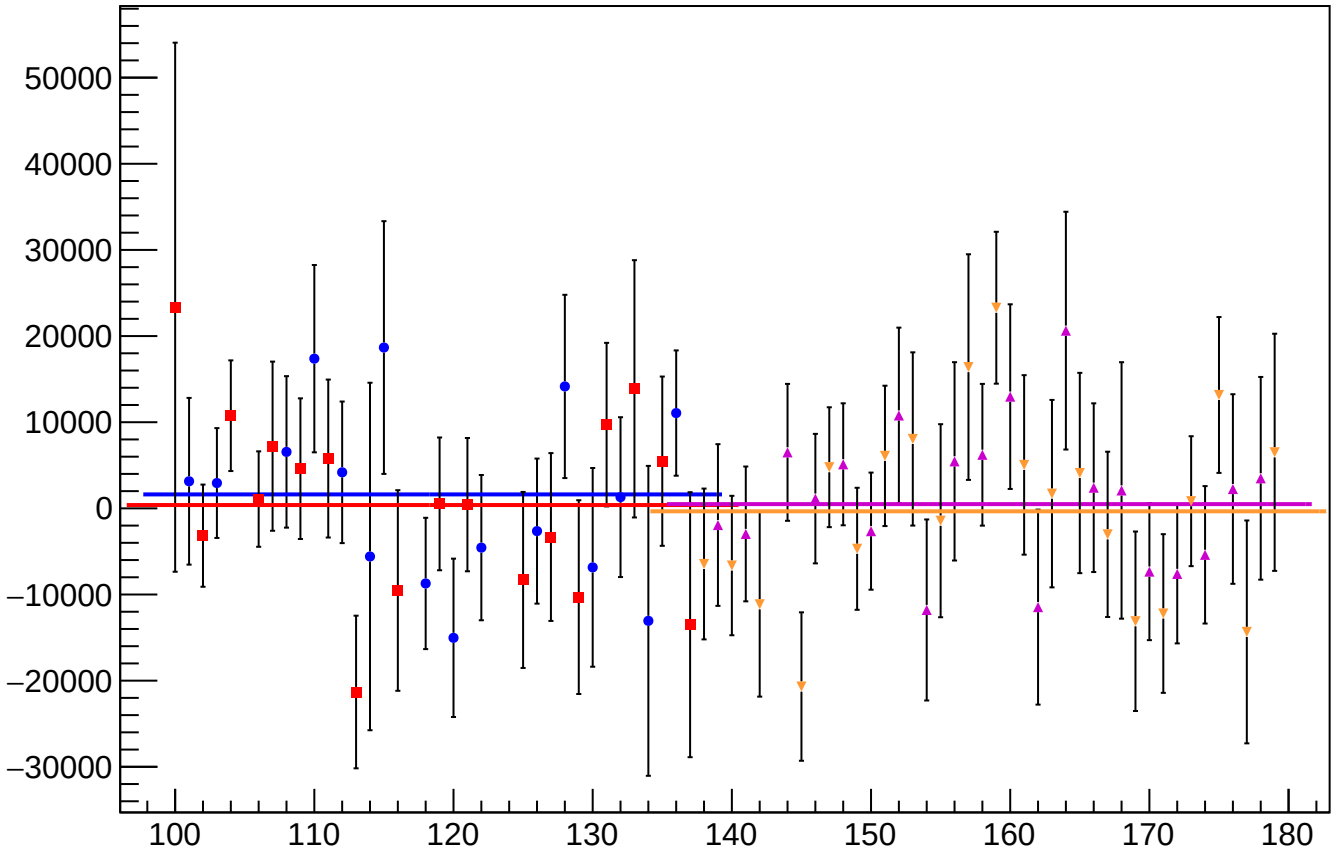
Right Out: 1503.434+/-0.407 χ^2/NDF: 338507.3/17

Left In: 1748.490+/-0.307 χ^2/NDF:161205.6/19

+ sign 1673.561+/-0.245 χ^2/NDF: 868668.2/36

All: 1666.580+/-0.173 χ^2/NDF: 1601521.4/74

- sign 1659.579+/-0.245 χ^2/NDF: 731220.9/37



Right In: 1620.058+/-2320.032 χ^2/NDF: 14.3/15

Left Out: -343.722+/-2038.228 χ^2/NDF:26.1/20

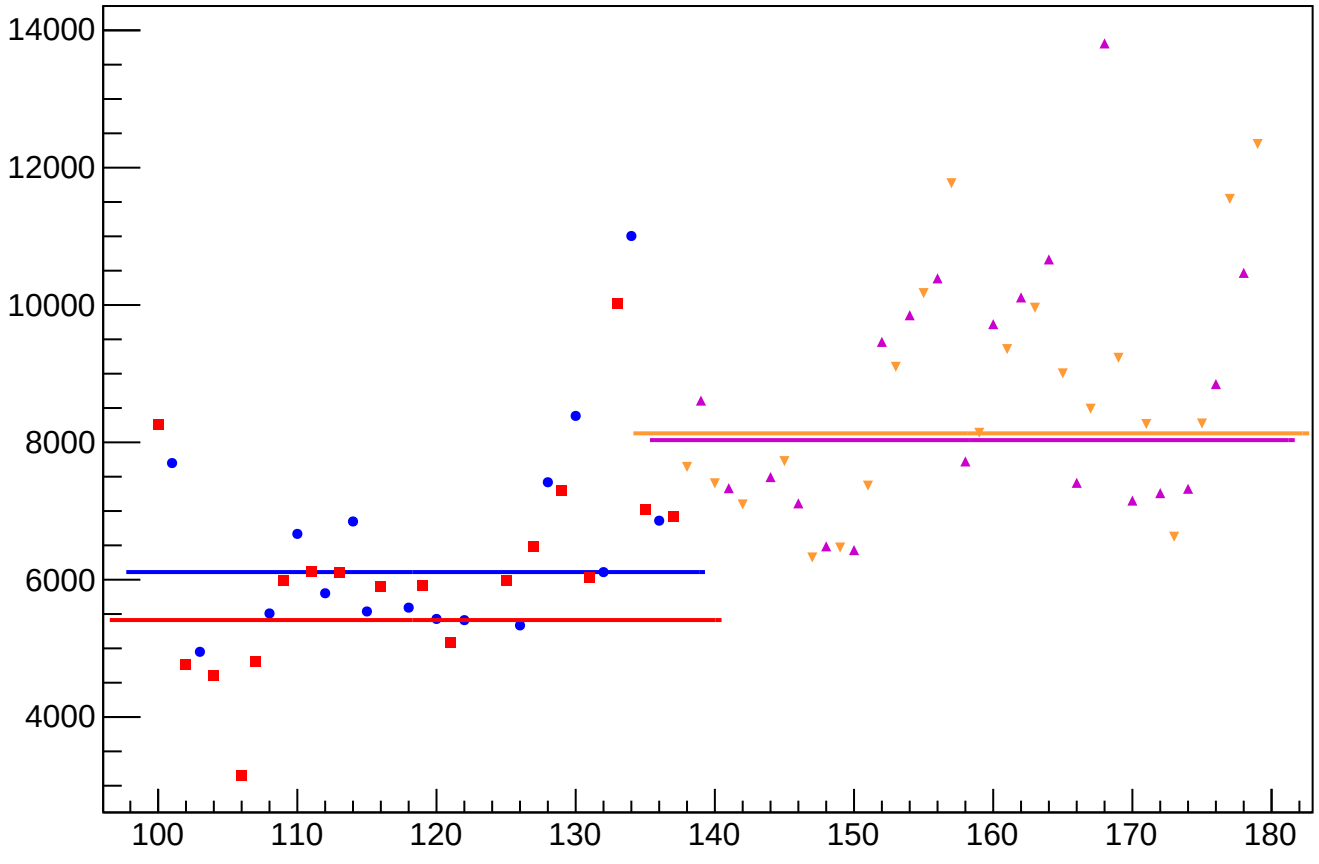
Right Out: 385.942+/-2060.867 χ^2/NDF: 16.0/17

Left In: 492.902+/-2029.142 χ^2/NDF:11.8/19

+ sign 511.719+/-1531.238 χ^2/NDF: 40.8/36

All: 473.939+/-1051.283 χ^2/NDF: 68.6/74

- sign 440.252+/-1445.906 χ^2/NDF: 27.8/37



Right In: 6111.037+/-1.641 χ^2/NDF: 471661.4/15

Left Out: 8131.046+/-1.441 χ^2/NDF:1075957.6/20

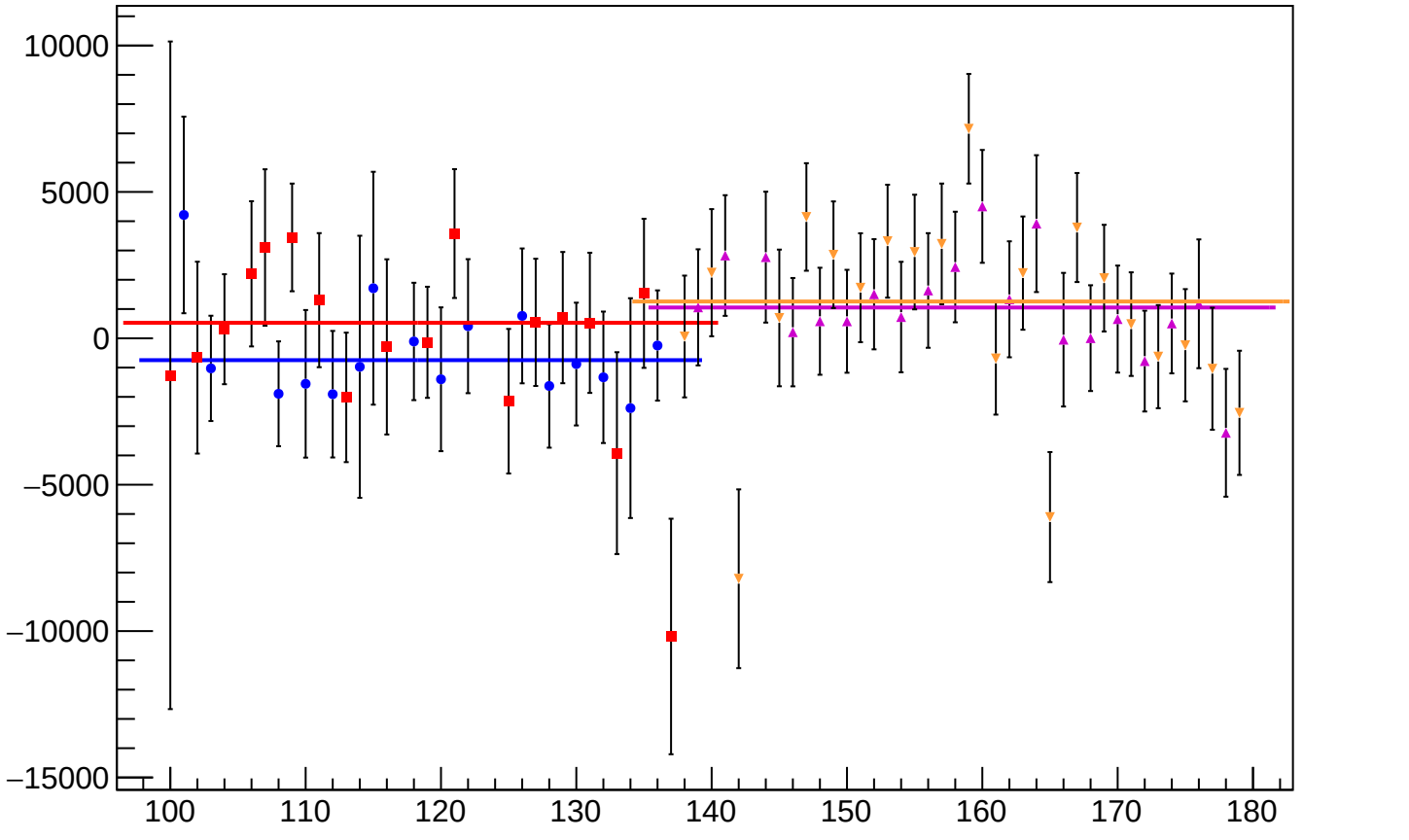
Right Out: 5412.276+/-1.457 χ^2/NDF: 821530.3/17

Left In: 8032.599+/-1.435 χ^2/NDF:1109391.6/19

+ sign 7251.111+/-1.083 χ^2/NDF: 2403333.1/36

All: 6982.378+/-0.743 χ^2/NDF: 6092487.1/74

- sign 6742.762+/-1.022 χ^2/NDF: 3572626.6/37



Right In: -745.918+/-578.071 χ^2/NDF: 4.8/15

Left Out: 1257.927+/-431.560 χ^2/NDF:46.9/20

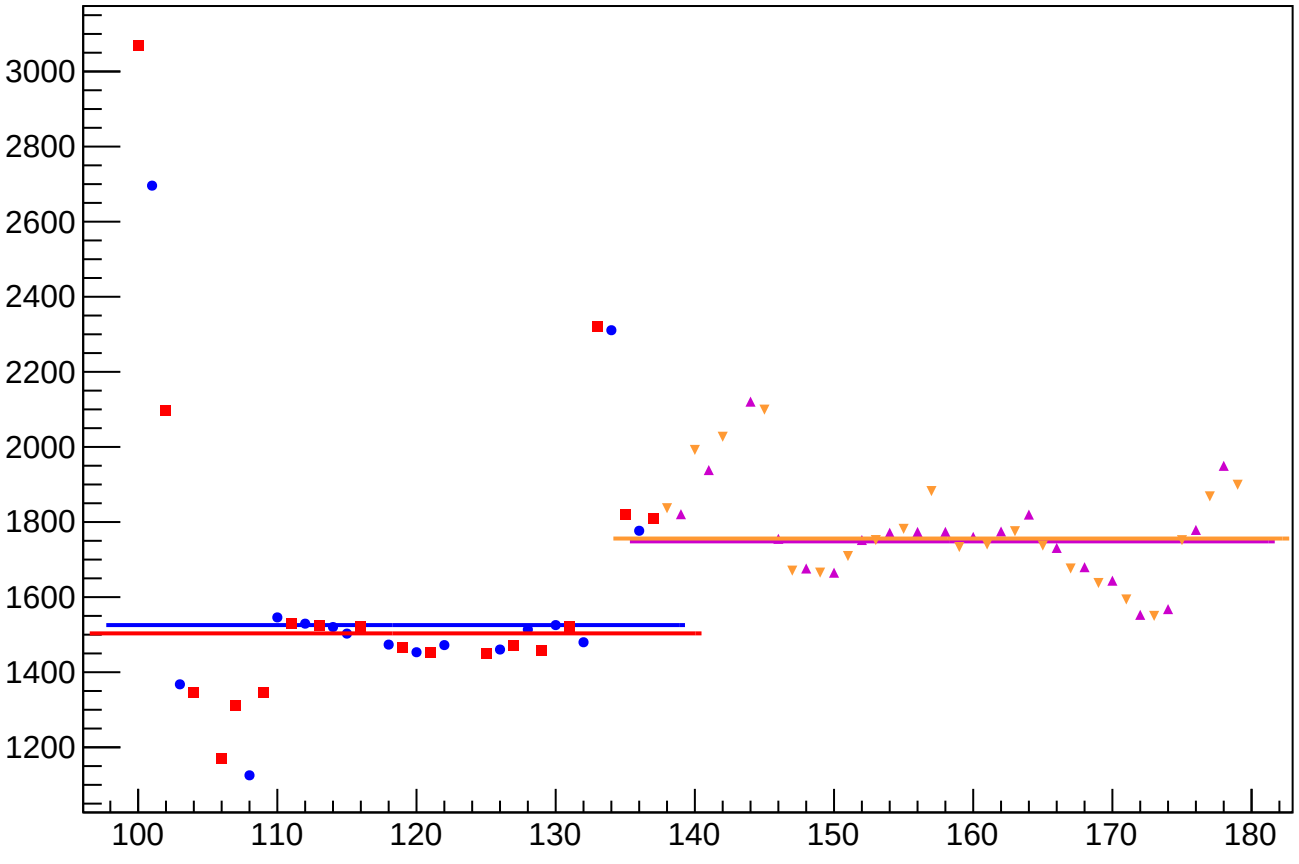
Right Out: 531.302+/-575.115 χ^2/NDF: 17.7/17

Left In: 1052.338+/-433.852 χ^2/NDF:12.8/19

+ sign 540.792+/-345.819 χ^2/NDF: 59.4/36

All: 701.831+/-244.720 χ^2/NDF: 90.9/74

- sign 863.367+/-346.353 χ^2/NDF: 31.1/37



Right In: 1525.536+/-0.409 χ^2/NDF: 488327.8/15

Left Out: 1756.064+/-0.305 χ^2/NDF:176117.5/20

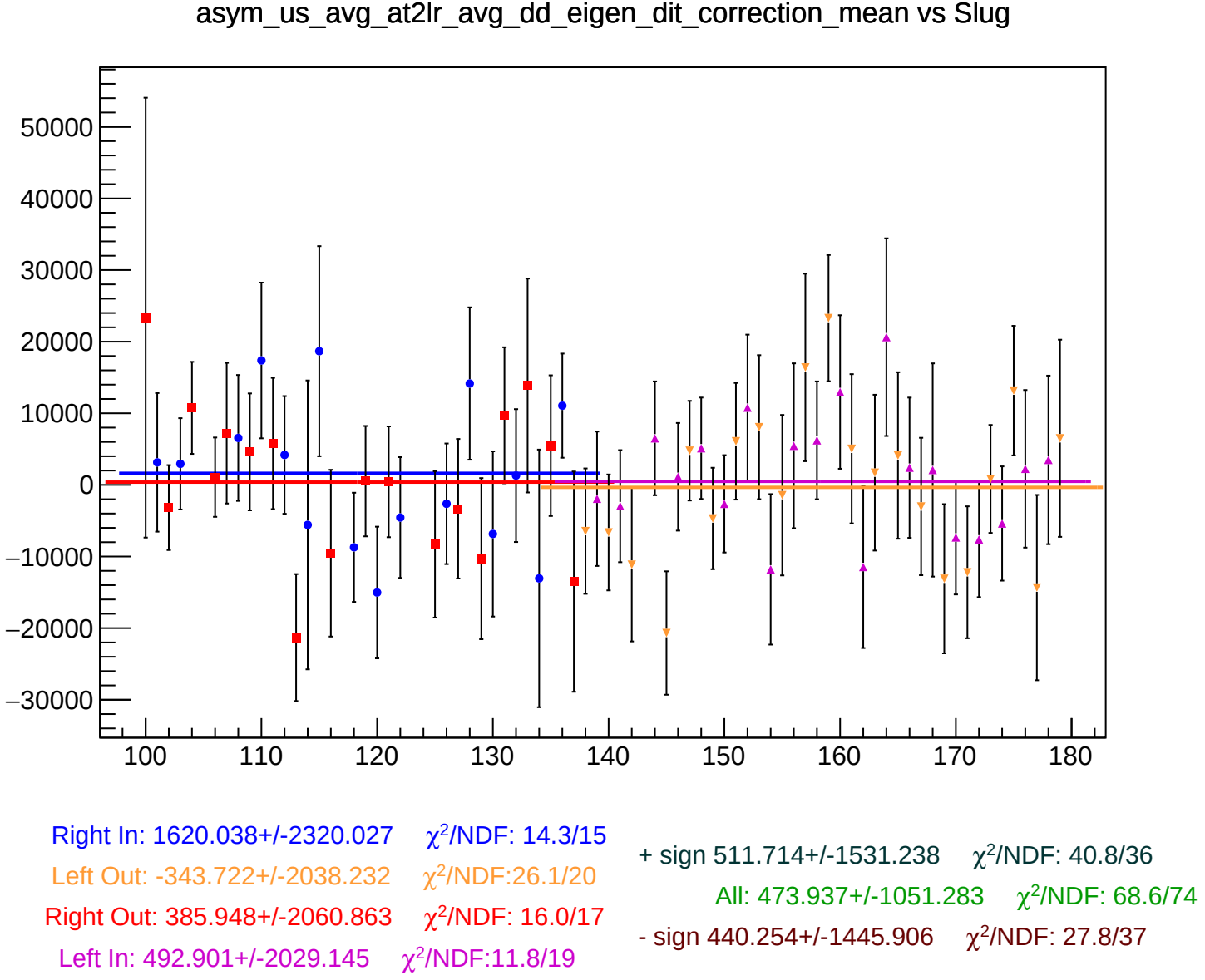
Right Out: 1503.435+/-0.407 χ^2/NDF: 338507.7/17

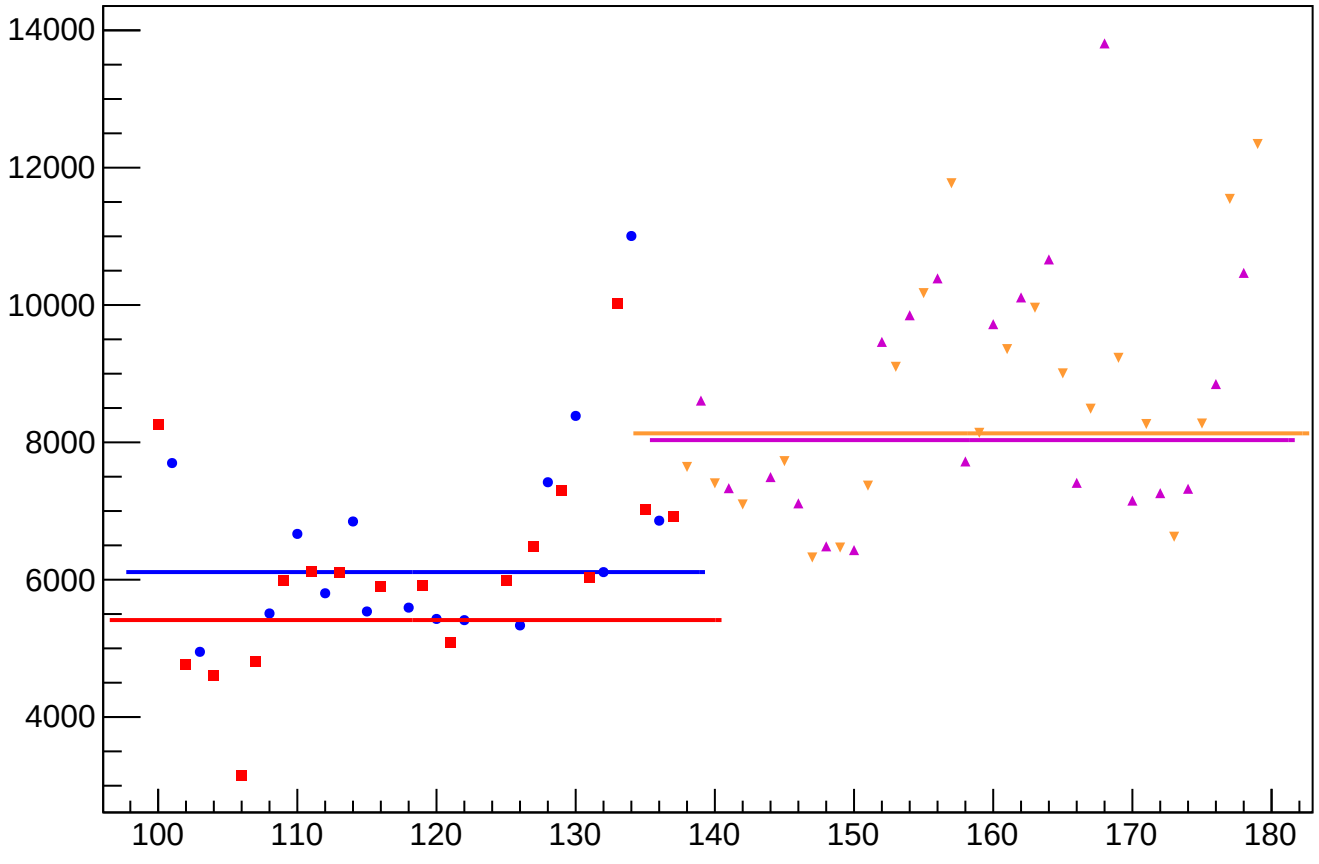
Left In: 1748.492+/-0.307 χ^2/NDF:161212.5/19

+ sign 1673.563+/-0.245 χ^2/NDF: 868681.1/36

All: 1666.582+/-0.173 χ^2/NDF: 1601545.6/74

- sign 1659.581+/-0.245 χ^2/NDF: 731232.2/37


asym_us_avg_at2lr_avg_dd_eigen_dit_correction_mean vs Slug
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
170
180
Right In: 1620.038+/-2320.027 χ²/NDF: 14.3/15
Left Out: -343.722+/-2038.232 χ²/NDF:26.1/20
Right Out: 385.948+/-2060.863 χ²/NDF: 16.0/17
Left In: 492.901+/-2029.145 χ²/NDF:11.8/19
+ sign 511.714+/-1531.238 χ²/NDF: 40.8/36
All: 473.937+/-1051.283 χ²/NDF: 68.6/74
- sign 440.254+/-1445.906 χ²/NDF: 27.8/37



Right In: 6111.023+/-1.641 χ^2/NDF: 471663.6/15

Left Out: 8131.059+/-1.441 χ^2/NDF:1075960.2/20

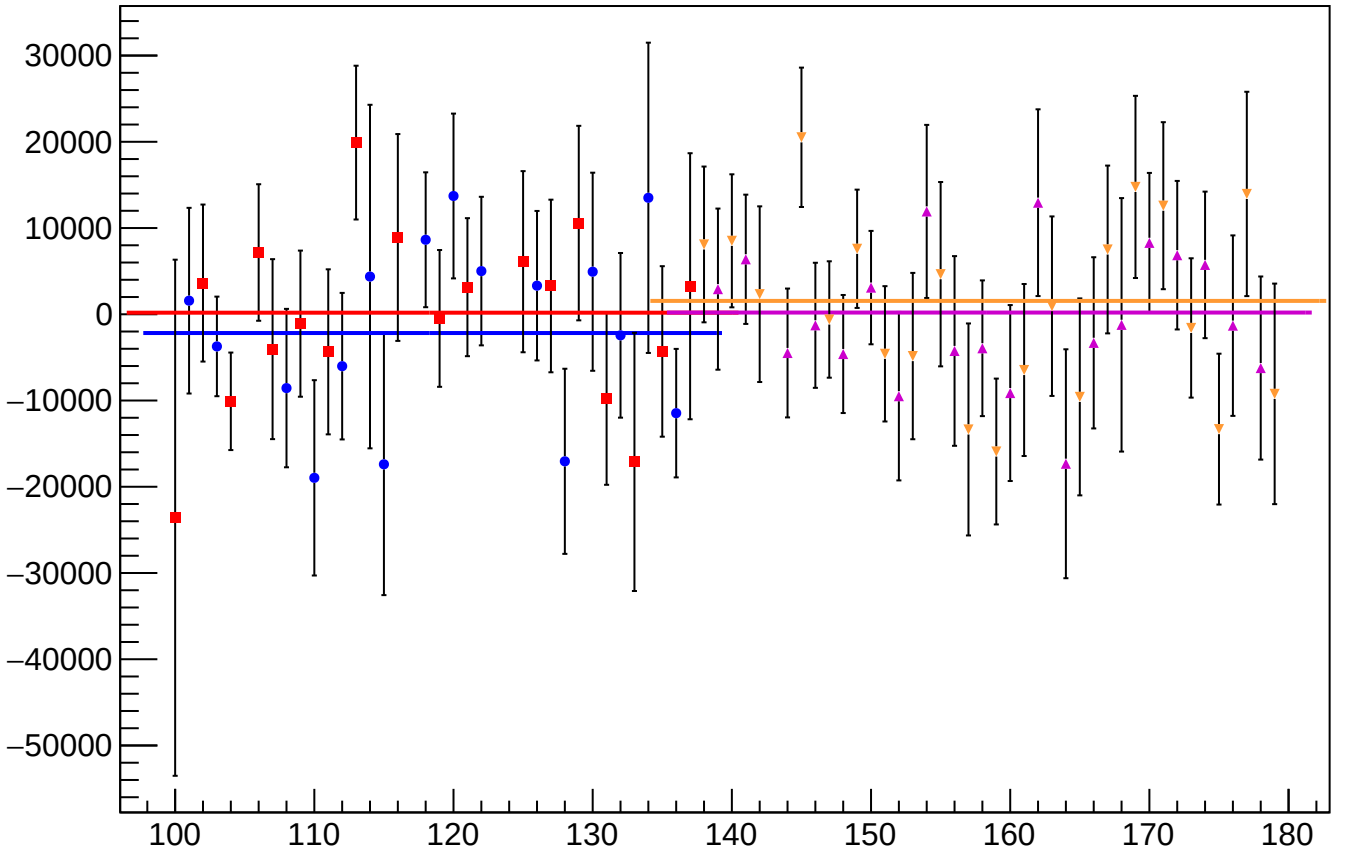
Right Out: 5412.265+/-1.457 χ^2/NDF: 821530.5/17

Left In: 8032.611+/-1.435 χ^2/NDF:1109394.6/19

+ sign 7251.109+/-1.083 χ^2/NDF: 2403361.1/36

All: 6982.374+/-0.743 χ^2/NDF: 6092548.9/74

- sign 6742.757+/-1.022 χ^2/NDF: 3572659.6/37



Right In: -2174.048+/-2347.664 χ^2/NDF: 14.6/15

Left Out: 1550.736+/-1990.528 χ^2/NDF:24.3/20

Right Out: 183.559+/-2228.883 χ^2/NDF: 14.7/17

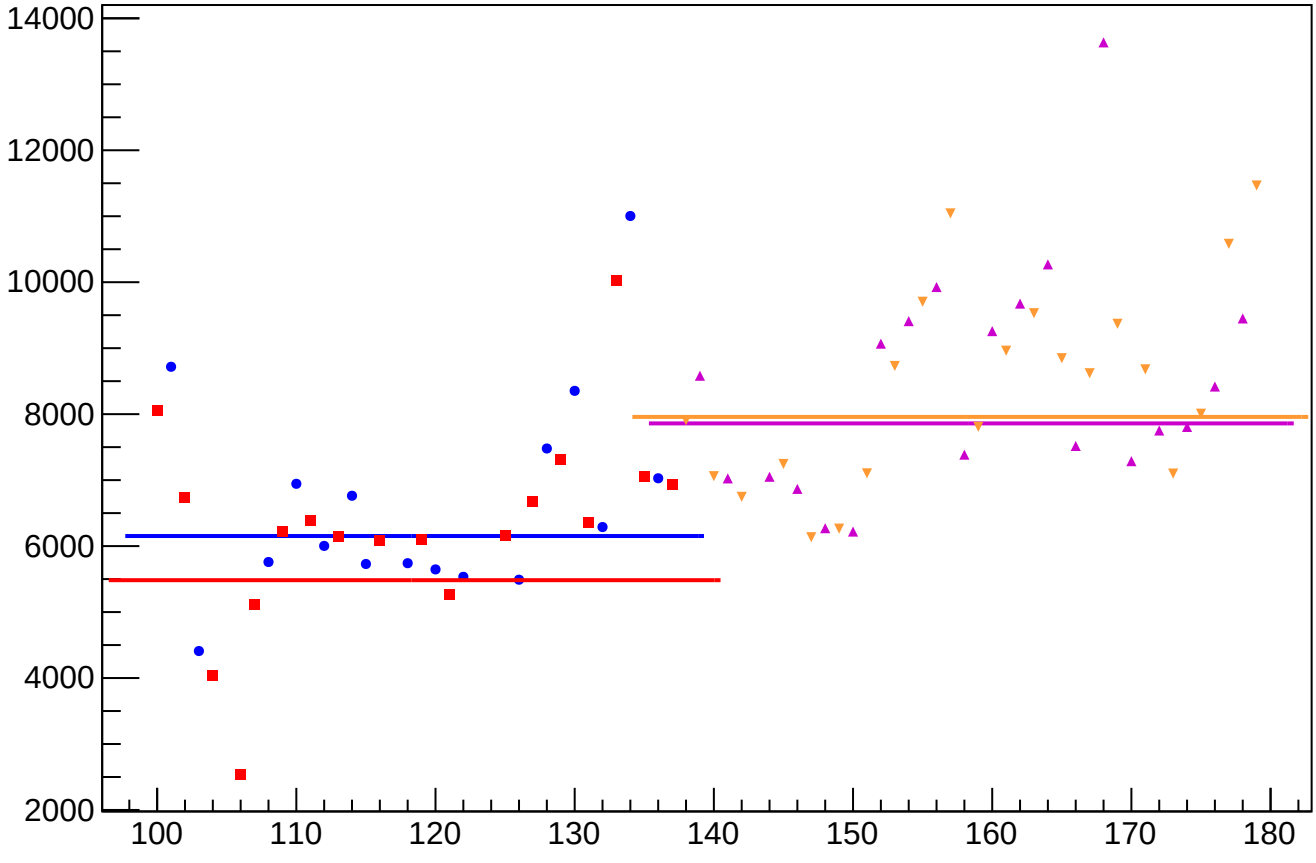
Left In: 199.590+/-1981.629 χ^2/NDF:11.2/19

\+ sign -7.082+/-1518.251 χ^2/NDF: 40.3/36

All: 95.197+/-1060.134 χ^2/NDF: 66.2/74

\- sign 192.513+/-1480.956 χ^2/NDF: 25.8/37

asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 6152.690+/-1.660 χ^2/NDF: 624026.7/15

Left Out: 7958.268+/-1.408 χ^2/NDF:961034.8/20

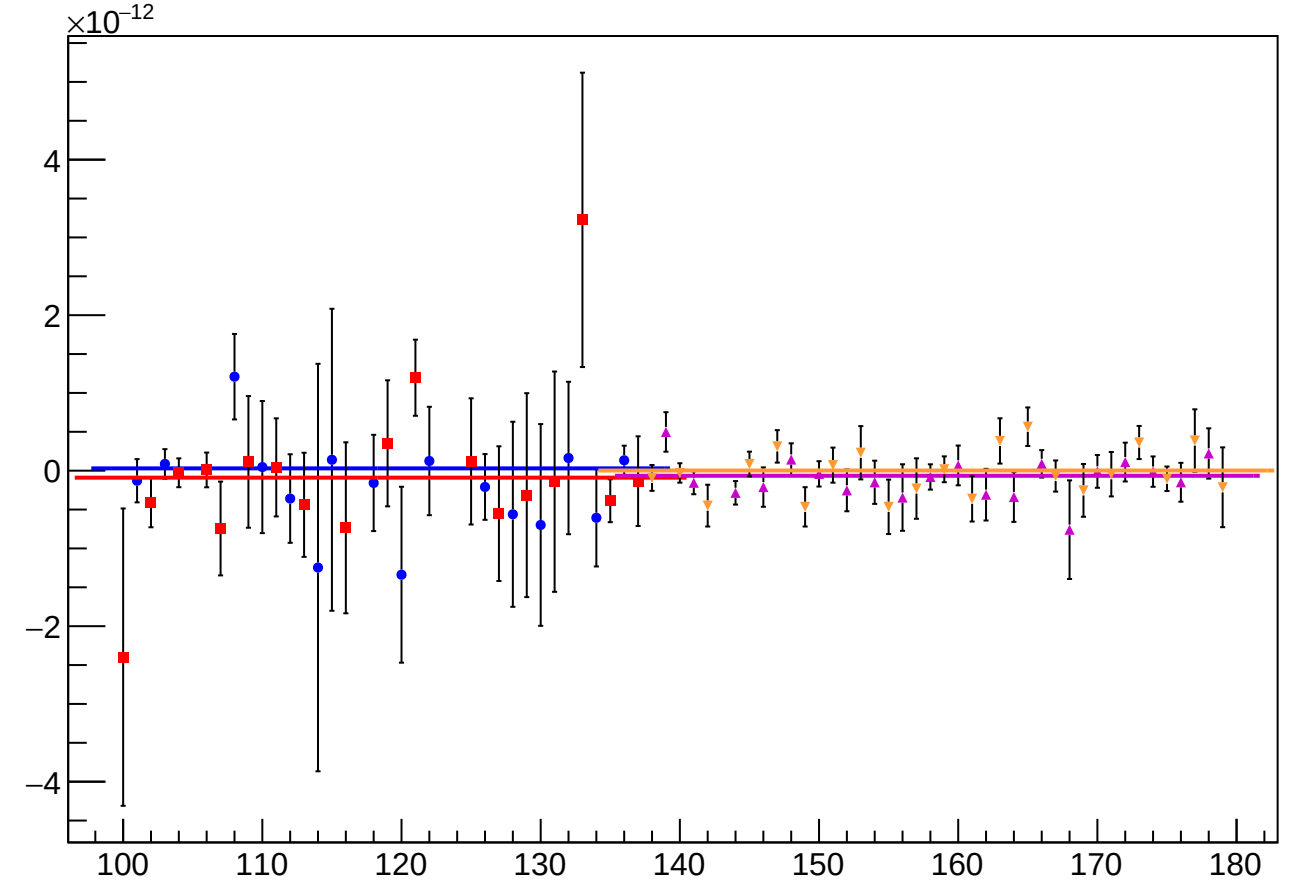
Right Out: 5483.337+/-1.519 χ^2/NDF: 1148712.9/17

Left In: 7859.705+/-1.401 χ^2/NDF:1018083.2/19

+ sign 7203.115+/-1.074 χ^2/NDF: 2273309.4/36

All: 6976.341+/-0.743 χ^2/NDF: 5847640.3/74

- sign 6767.565+/-1.030 χ^2/NDF: 3488631.6/37



Right In: 0.000+/-0.000 χ^2/NDF: 9.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:25.3/20

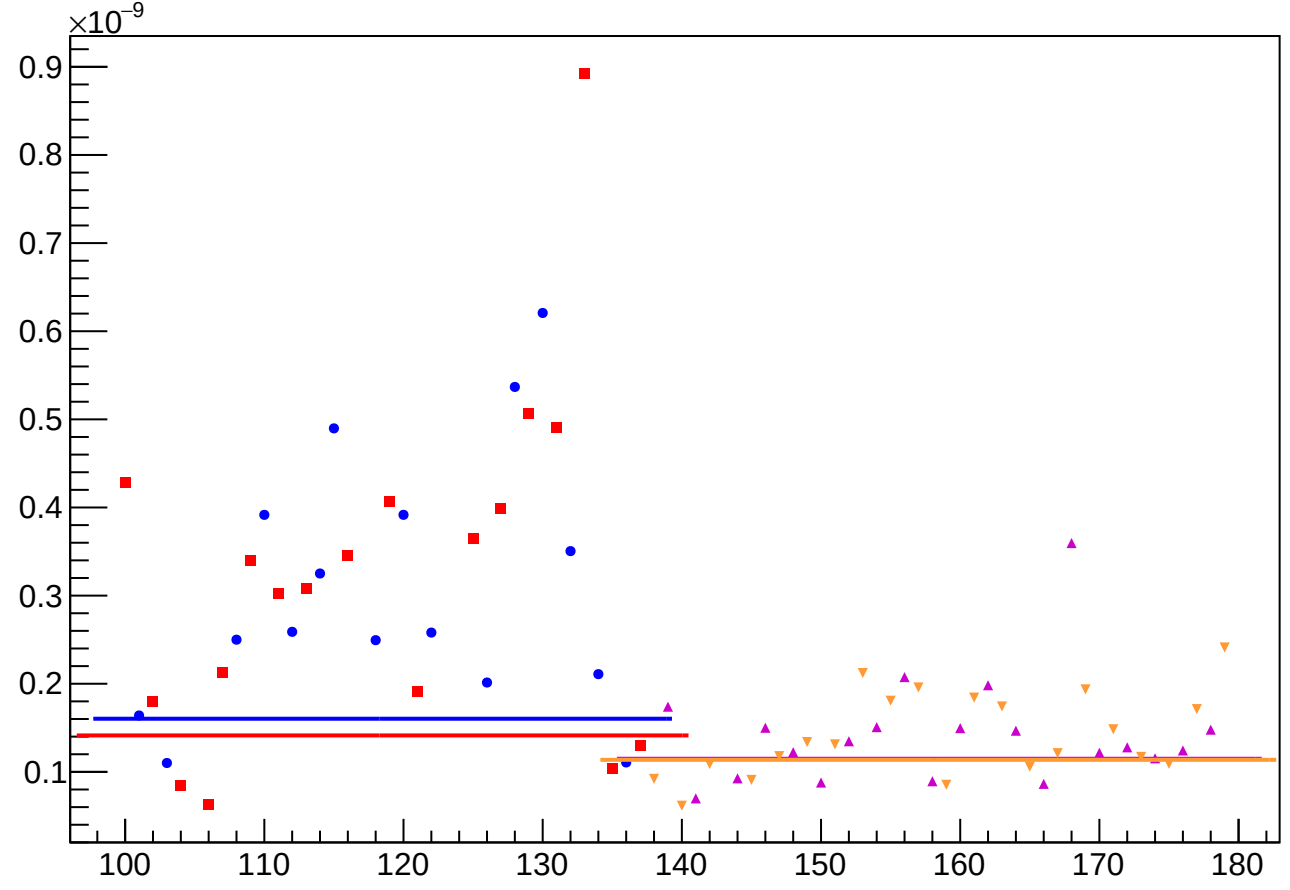
Right Out: -0.000+/-0.000 χ^2/NDF: 16.5/17

Left In: -0.000+/-0.000 χ^2/NDF:14.8/19

+ sign 0.000+/-0.000 χ^2/NDF: 34.9/36

All: -0.000+/-0.000 χ^2/NDF: 67.8/74

- sign -0.000+/-0.000 χ^2/NDF: 31.3/37



Right In: 0.000+/-0.000 χ^2/NDF: 1329606.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1349420.4/20

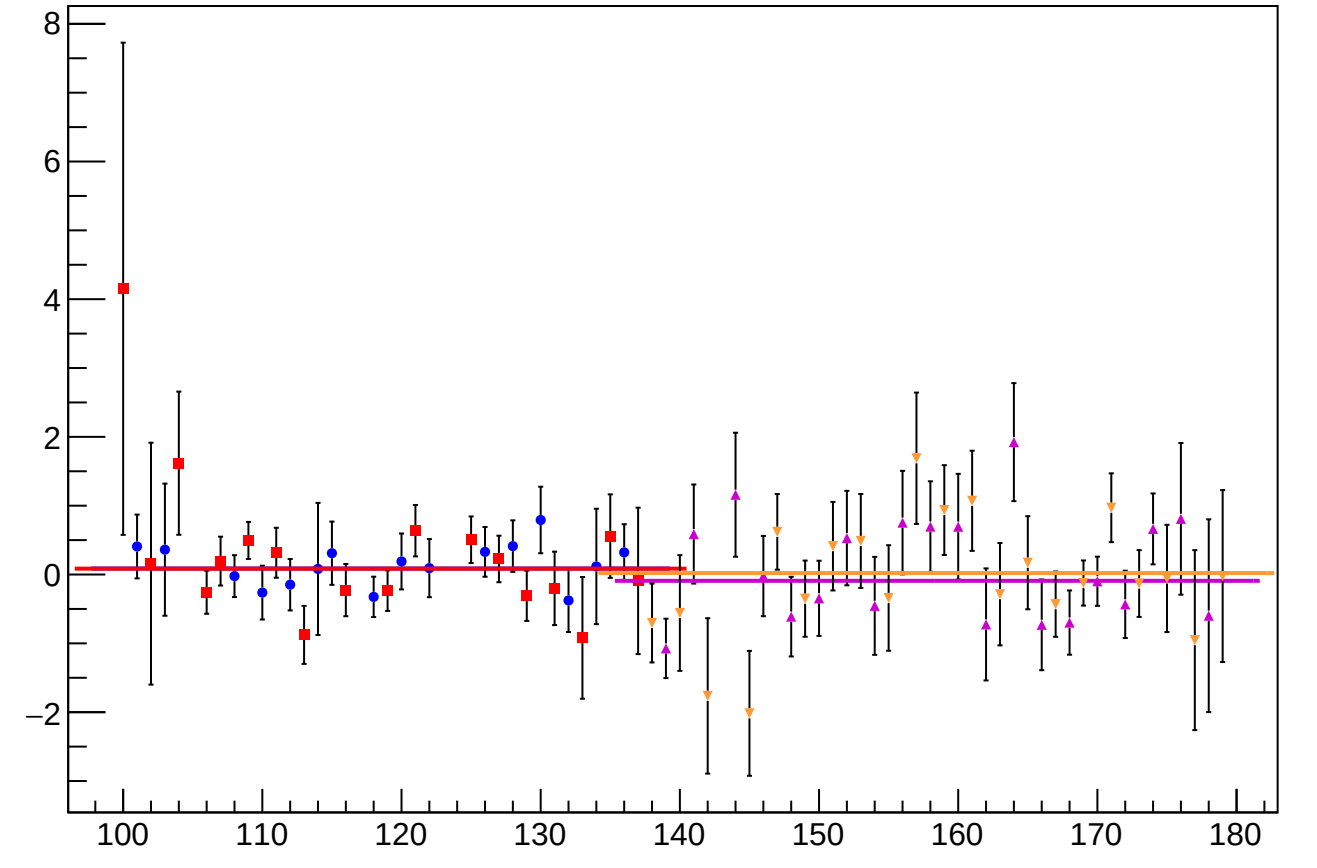
Right Out: 0.000+/-0.000 χ^2/NDF: 2165946.2/17

Left In: 0.000+/-0.000 χ^2/NDF:1184412.4/19

+ sign 0.000+/-0.000 χ^2/NDF: 3011359.3/36

All: 0.000+/-0.000 χ^2/NDF: 6472173.4/74

- sign 0.000+/-0.000 χ^2/NDF: 3458511.2/37



Right In: 0.087+/-0.105 χ^2/NDF: 8.8/15

Left Out: 0.021+/-0.137 χ^2/NDF:25.0/20

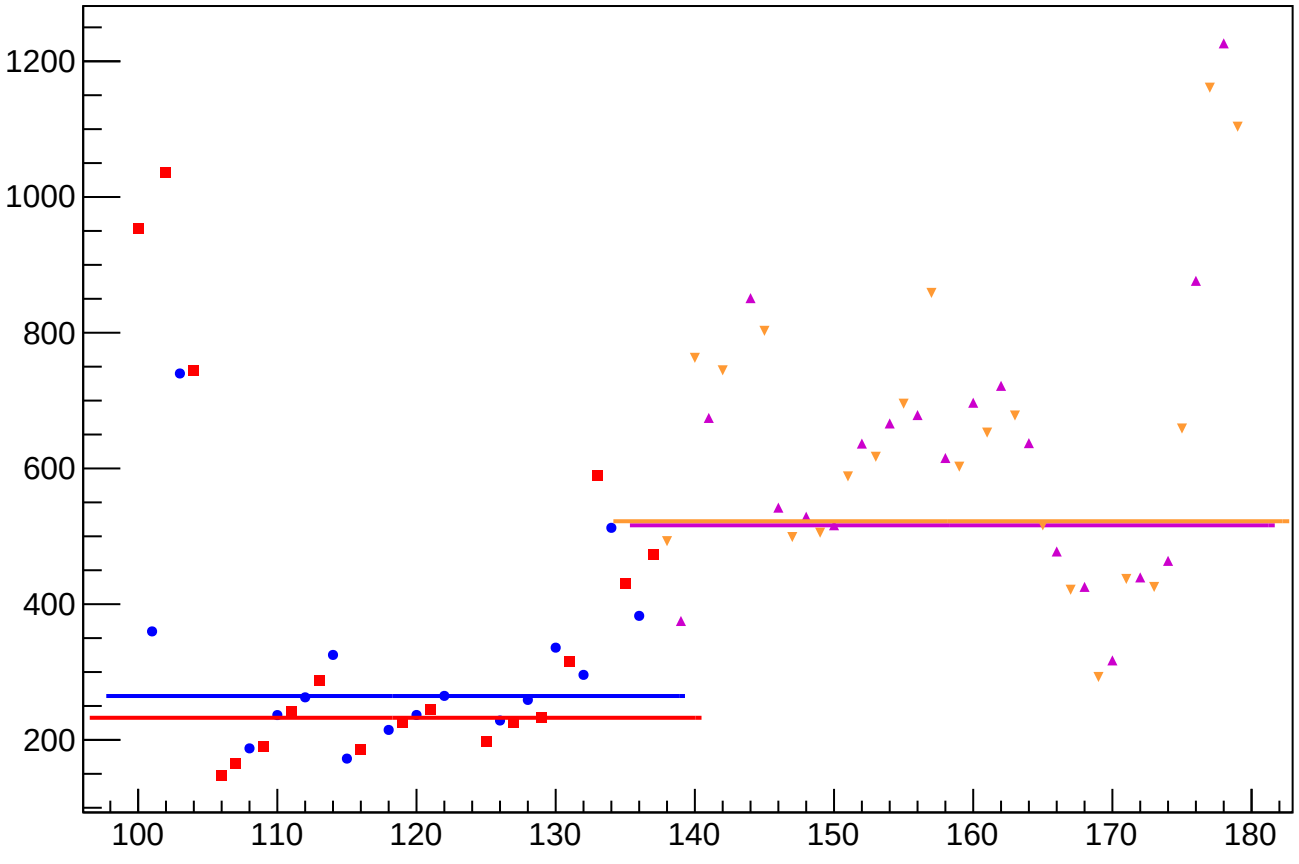
Right Out: 0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: -0.091+/-0.135 χ^2/NDF:26.1/19

+ sign 0.063+/-0.083 χ^2/NDF: 34.0/36

All: 0.043+/-0.057 χ^2/NDF: 83.1/74

- sign 0.025+/-0.079 χ^2/NDF: 49.0/37



Right In: 264.667+/-0.074 χ^2/NDF: 1284007.6/15

Left Out: 522.221+/-0.097 χ^2/NDF:3218633.7/20

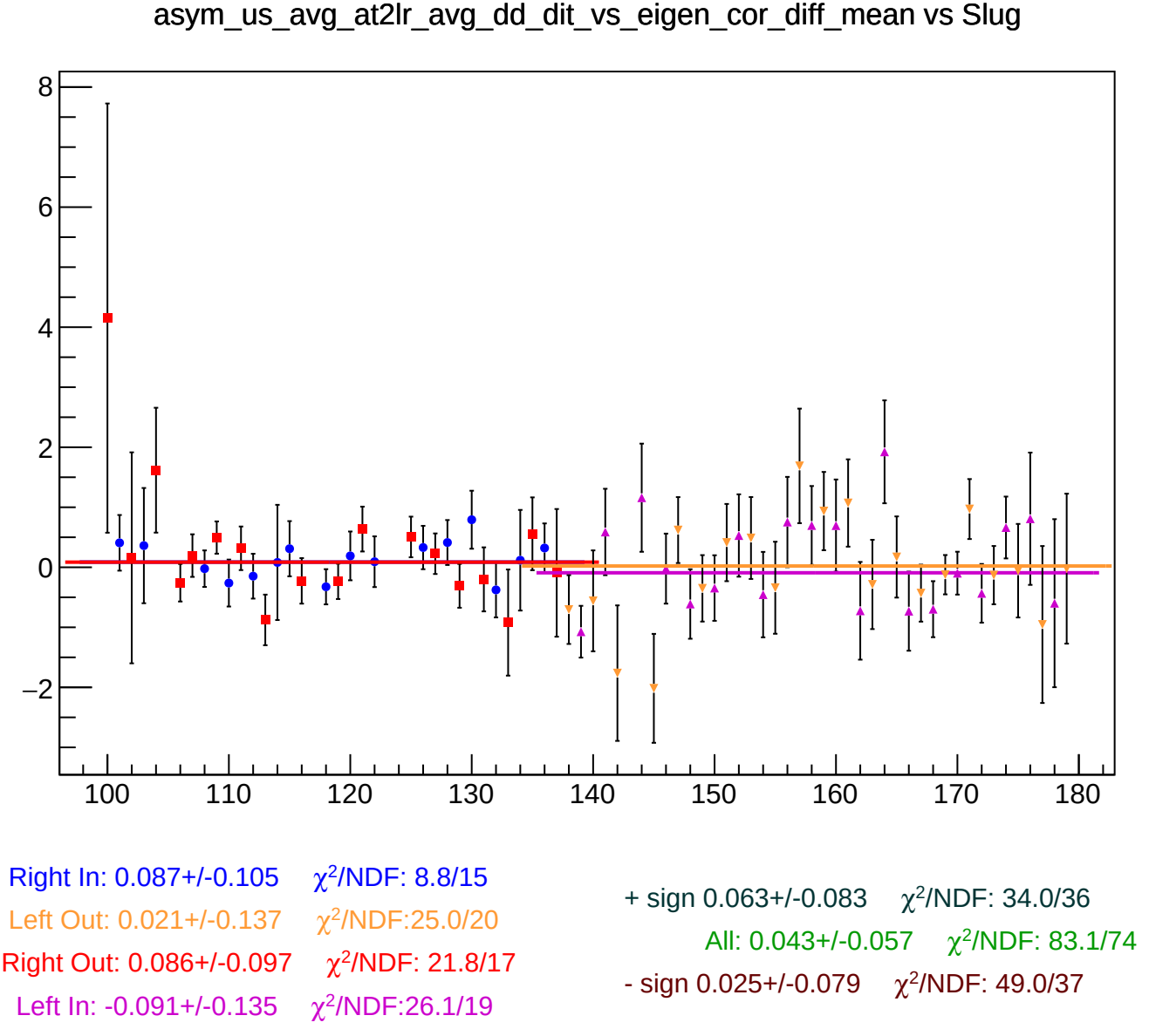
Right Out: 232.596+/-0.069 χ^2/NDF: 2032662.7/17

Left In: 516.220+/-0.096 χ^2/NDF:2661627.3/19

+ sign 360.330+/-0.059 χ^2/NDF: 8965572.5/36

All: 343.984+/-0.041 χ^2/NDF: 19594489.6/74

- sign 329.276+/-0.056 χ^2/NDF: 10482633.2/37


asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug
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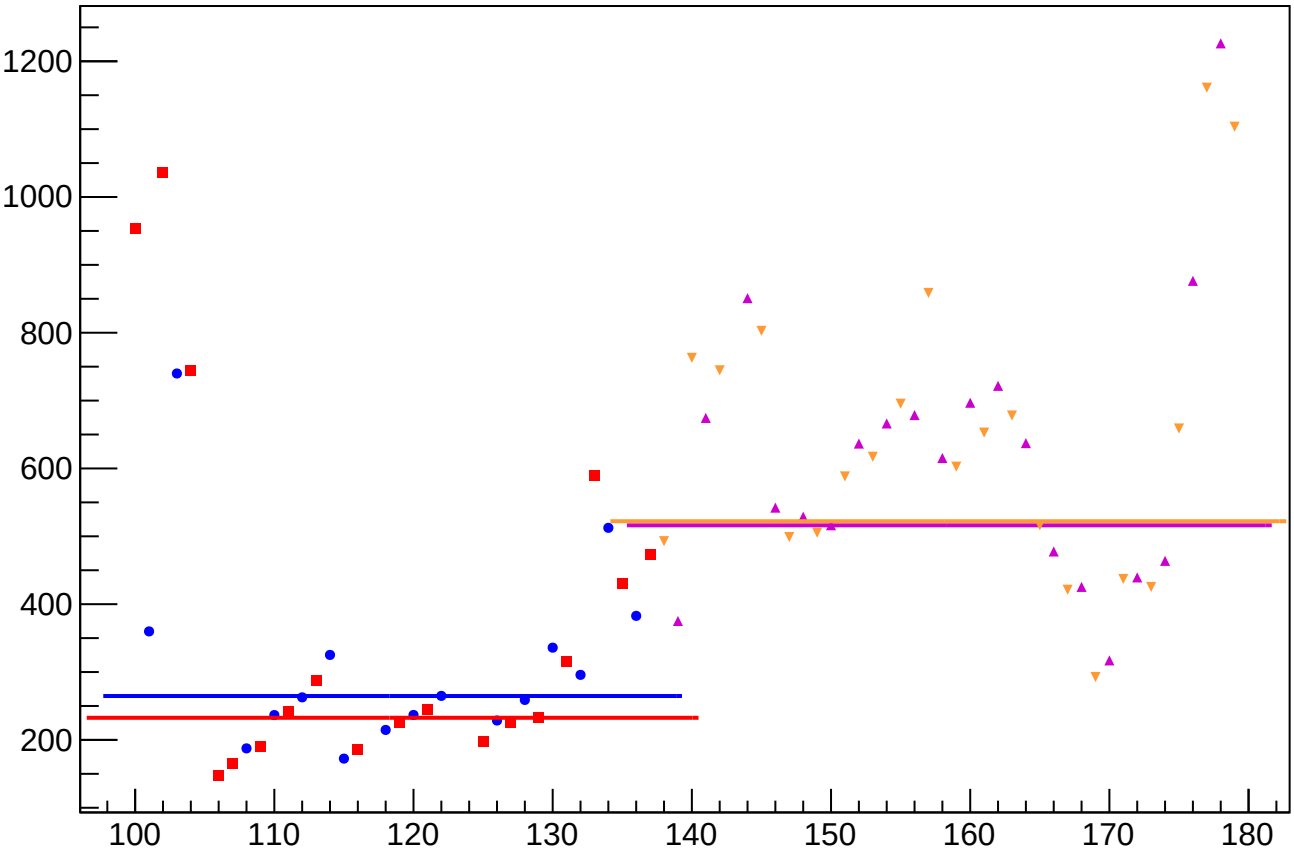
Right In: 0.087+/-0.105 χ²/NDF: 8.8/15
Left Out: 0.021+/-0.137 χ²/NDF:25.0/20
Right Out: 0.086+/-0.097 χ²/NDF: 21.8/17
Left In: -0.091+/-0.135 χ²/NDF:26.1/19
+ sign 0.063+/-0.083 χ²/NDF: 34.0/36
All: 0.043+/-0.057 χ²/NDF: 83.1/74
- sign 0.025+/-0.079 χ²/NDF: 49.0/37



Right In: 264.667+/-0.074 χ^2/NDF: 1284007.6/15

Left Out: 522.221+/-0.097 χ^2/NDF:3218633.7/20

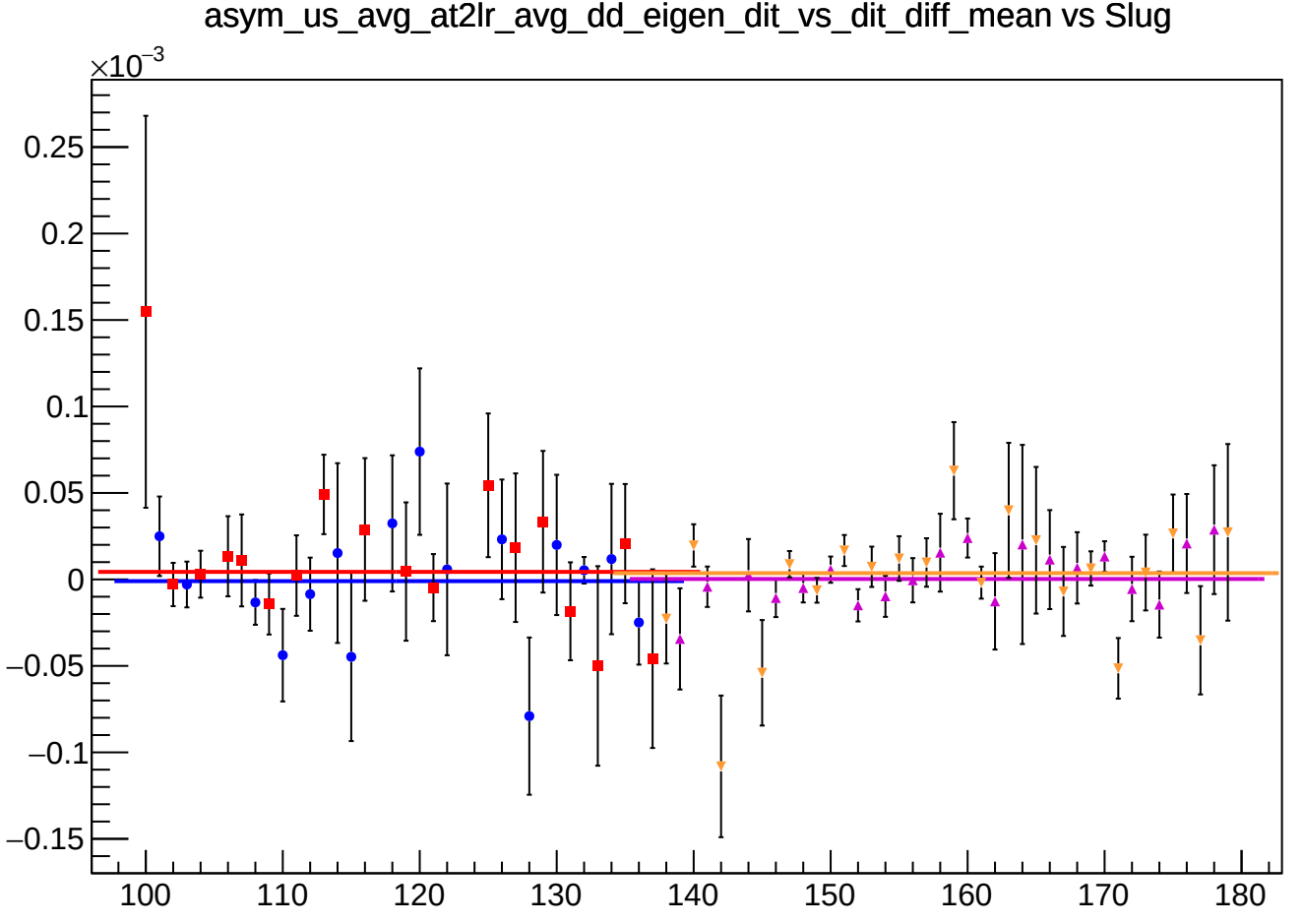
Right Out: 232.596+/-0.069 χ^2/NDF: 2032662.7/17

Left In: 516.220+/-0.096 χ^2/NDF:2661627.3/19

+ sign 360.330+/-0.059 χ^2/NDF: 8965572.5/36

All: 343.984+/-0.041 χ^2/NDF: 19594489.6/74

- sign 329.276+/-0.056 χ^2/NDF: 10482633.2/37



Right In: -0.000+/-0.000 χ^2/NDF: 14.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:37.8/20

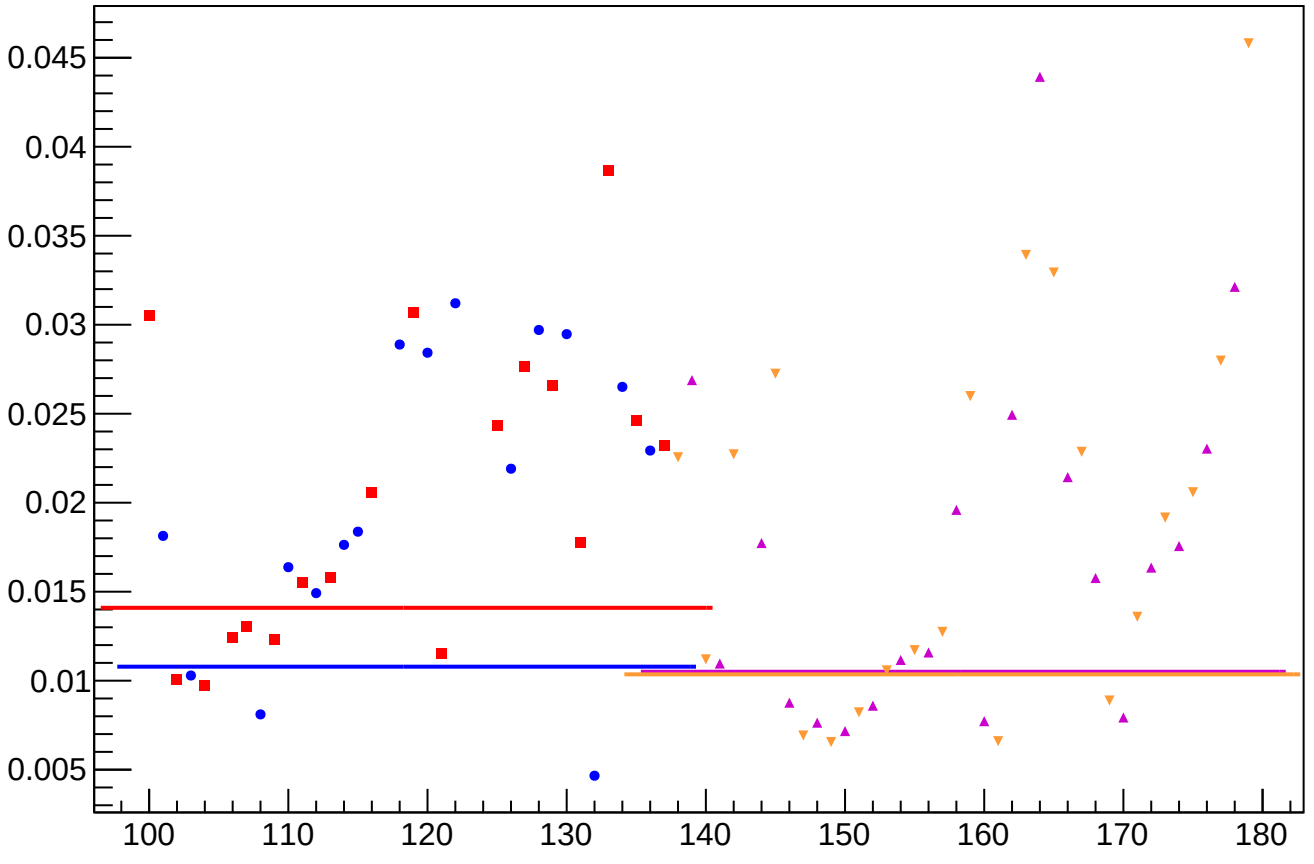
Right Out: 0.000+/-0.000 χ^2/NDF: 12.6/17

Left In: 0.000+/-0.000 χ^2/NDF:16.2/19

+ sign 0.000+/-0.000 χ^2/NDF: 52.8/36

All: 0.000+/-0.000 χ^2/NDF: 82.1/74

- sign 0.000+/-0.000 χ^2/NDF: 29.2/37



Right In: 0.011+/-0.000 χ^2/NDF: 4580054.6/15

Left Out: 0.010+/-0.000 χ^2/NDF:7577529.7/20

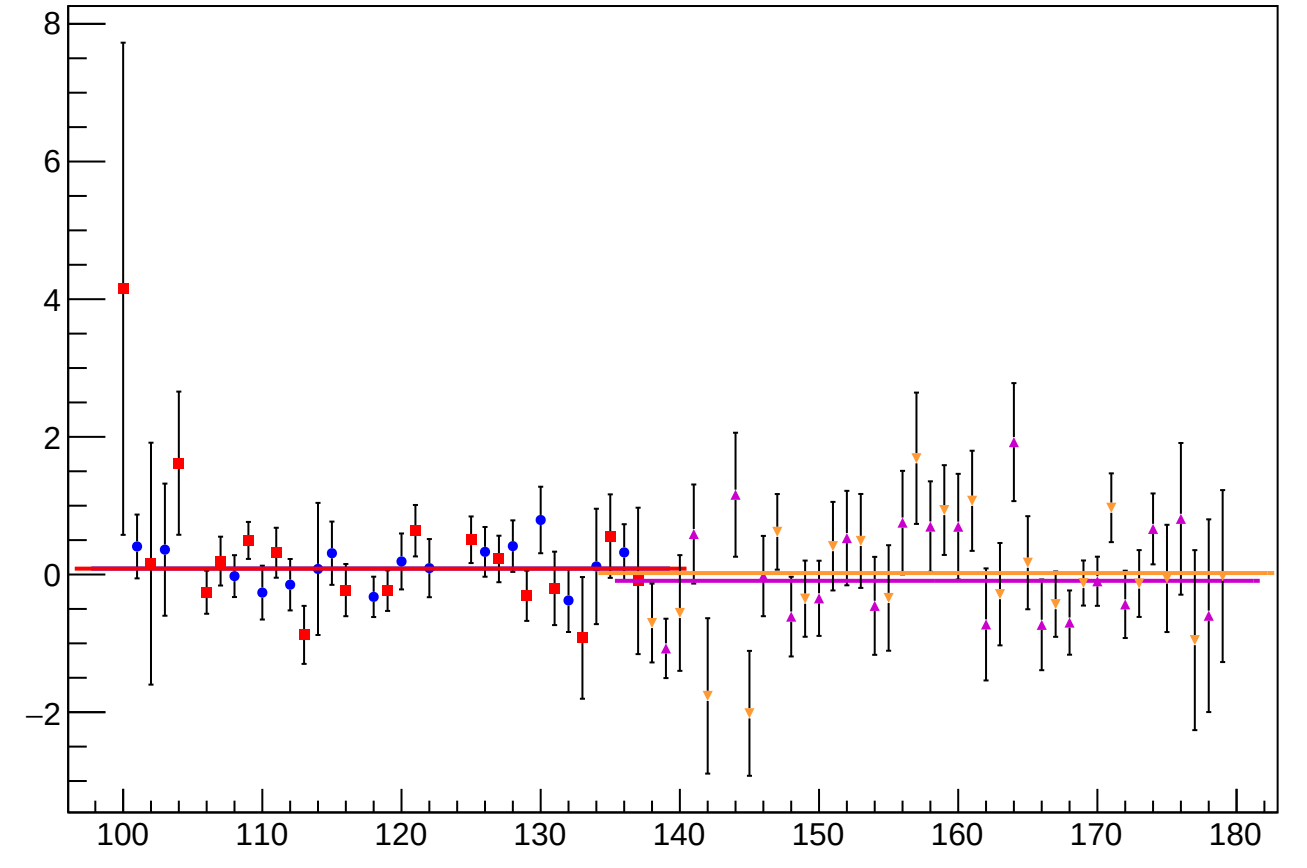
Right Out: 0.014+/-0.000 χ^2/NDF: 2084942.5/17

Left In: 0.011+/-0.000 χ^2/NDF:5423603.7/19

+ sign 0.010+/-0.000 χ^2/NDF: 12168638.8/36

All: 0.011+/-0.000 χ^2/NDF: 20389324.0/74

- sign 0.011+/-0.000 χ^2/NDF: 8125453.8/37


asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug
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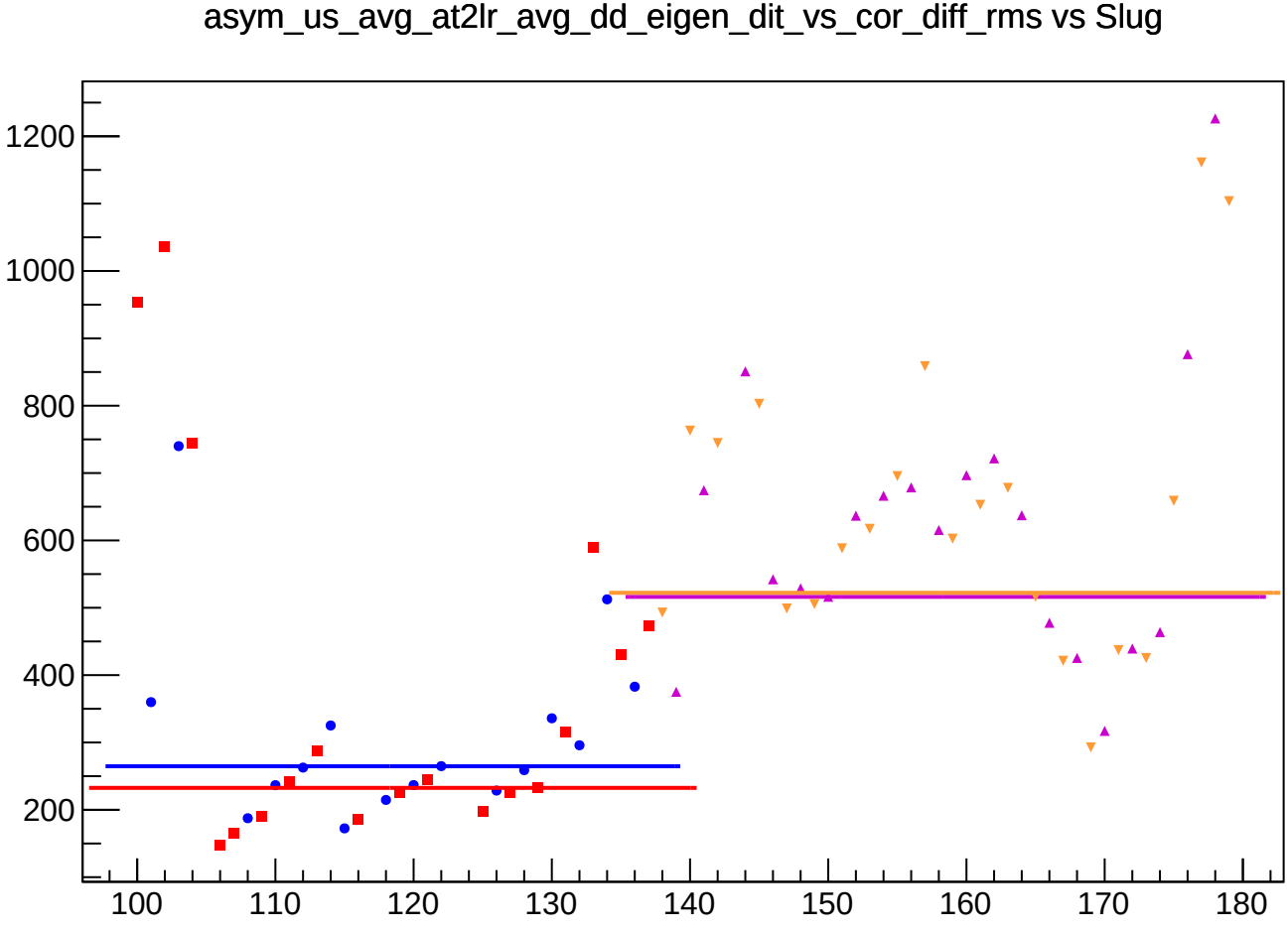
Right In: 0.087+/-0.105 χ²/NDF: 8.8/15
Left Out: 0.021+/-0.137 χ²/NDF:25.0/20
Right Out: 0.086+/-0.097 χ²/NDF: 21.8/17
Left In: -0.091+/-0.135 χ²/NDF:26.1/19
+ sign 0.063+/-0.083 χ²/NDF: 34.0/36
All: 0.043+/-0.057 χ²/NDF: 83.1/74
- sign 0.025+/-0.079 χ²/NDF: 49.0/37



Right In: 264.667+/-0.074 χ^2/NDF: 1283977.8/15

Left Out: 522.221+/-0.097 χ^2/NDF:3218803.3/20

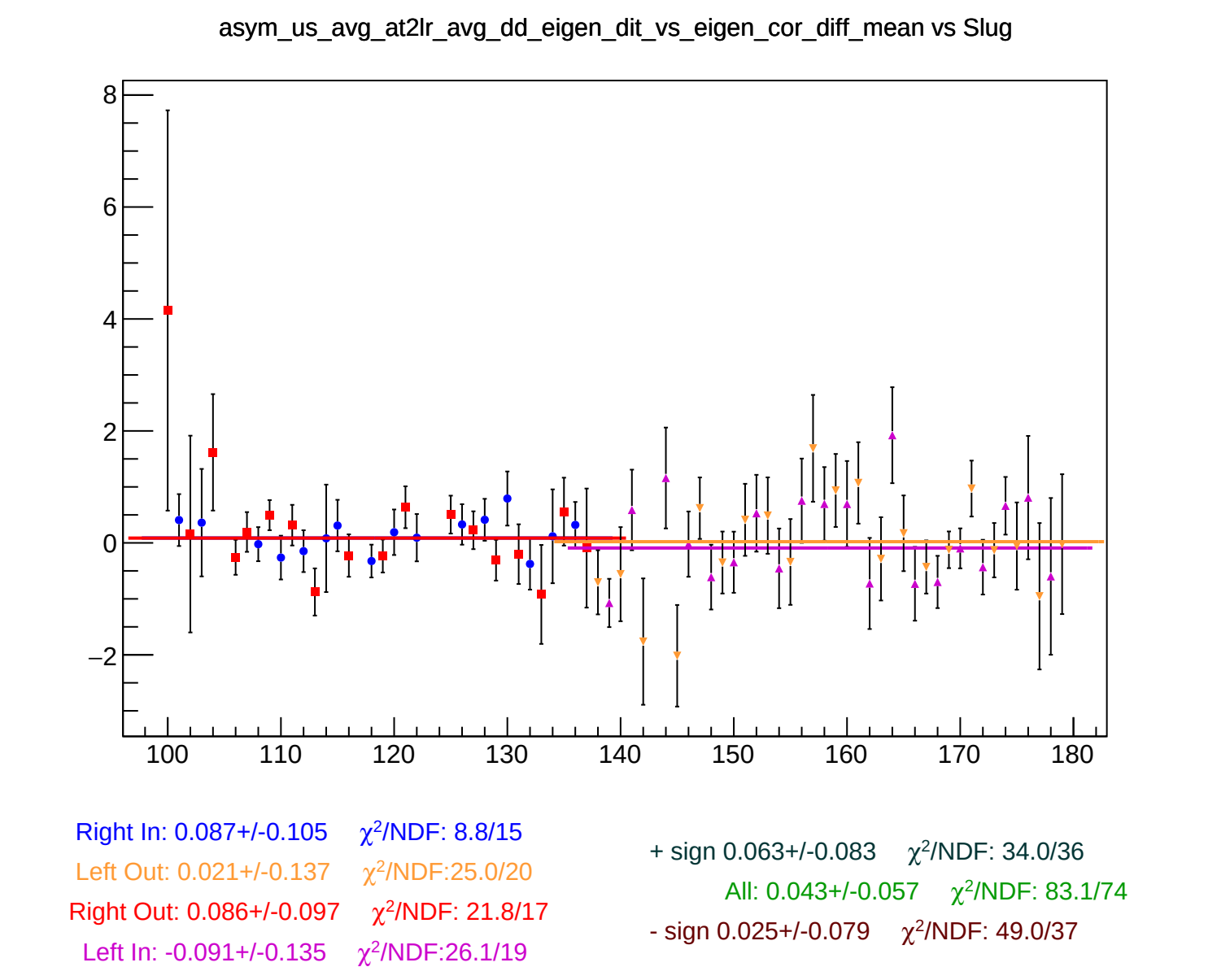
Right Out: 232.596+/-0.069 χ^2/NDF: 2032655.0/17

Left In: 516.223+/-0.096 χ^2/NDF:2661697.0/19

+ sign 360.330+/-0.059 χ^2/NDF: 8965715.4/36

All: 343.984+/-0.041 χ^2/NDF: 19594714.9/74

- sign 329.277+/-0.056 χ^2/NDF: 10482729.6/37


asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
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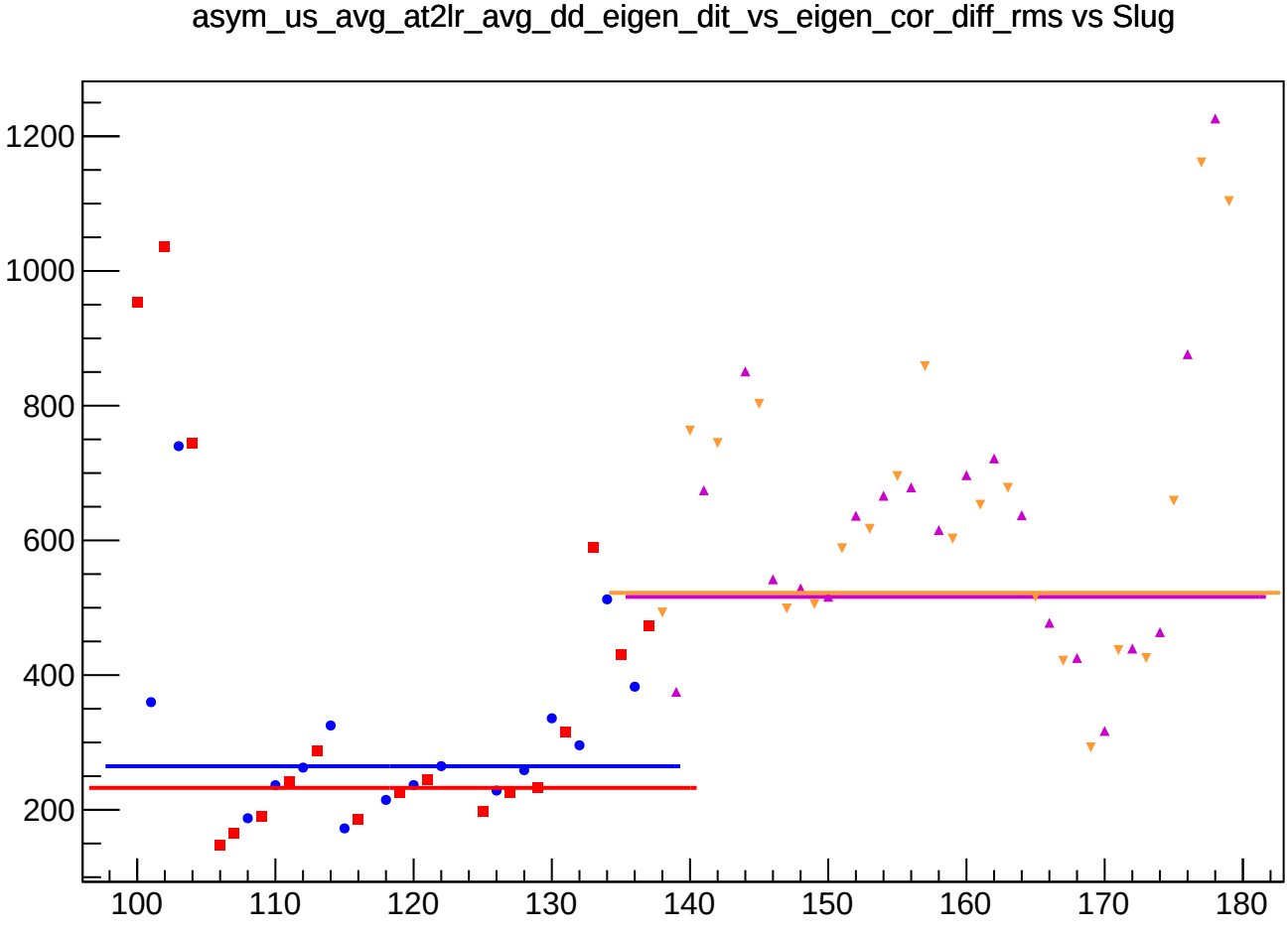
170
180
Right In: 0.087+/-0.105 χ²/NDF: 8.8/15
Left Out: 0.021+/-0.137 χ²/NDF:25.0/20
Right Out: 0.086+/-0.097 χ²/NDF: 21.8/17
Left In: -0.091+/-0.135 χ²/NDF:26.1/19
+ sign 0.063+/-0.083 χ²/NDF: 34.0/36
All: 0.043+/-0.057 χ²/NDF: 83.1/74
- sign 0.025+/-0.079 χ²/NDF: 49.0/37



Right In: 264.667+/-0.074 χ^2/NDF: 1283977.8/15

Left Out: 522.221+/-0.097 χ^2/NDF:3218803.3/20

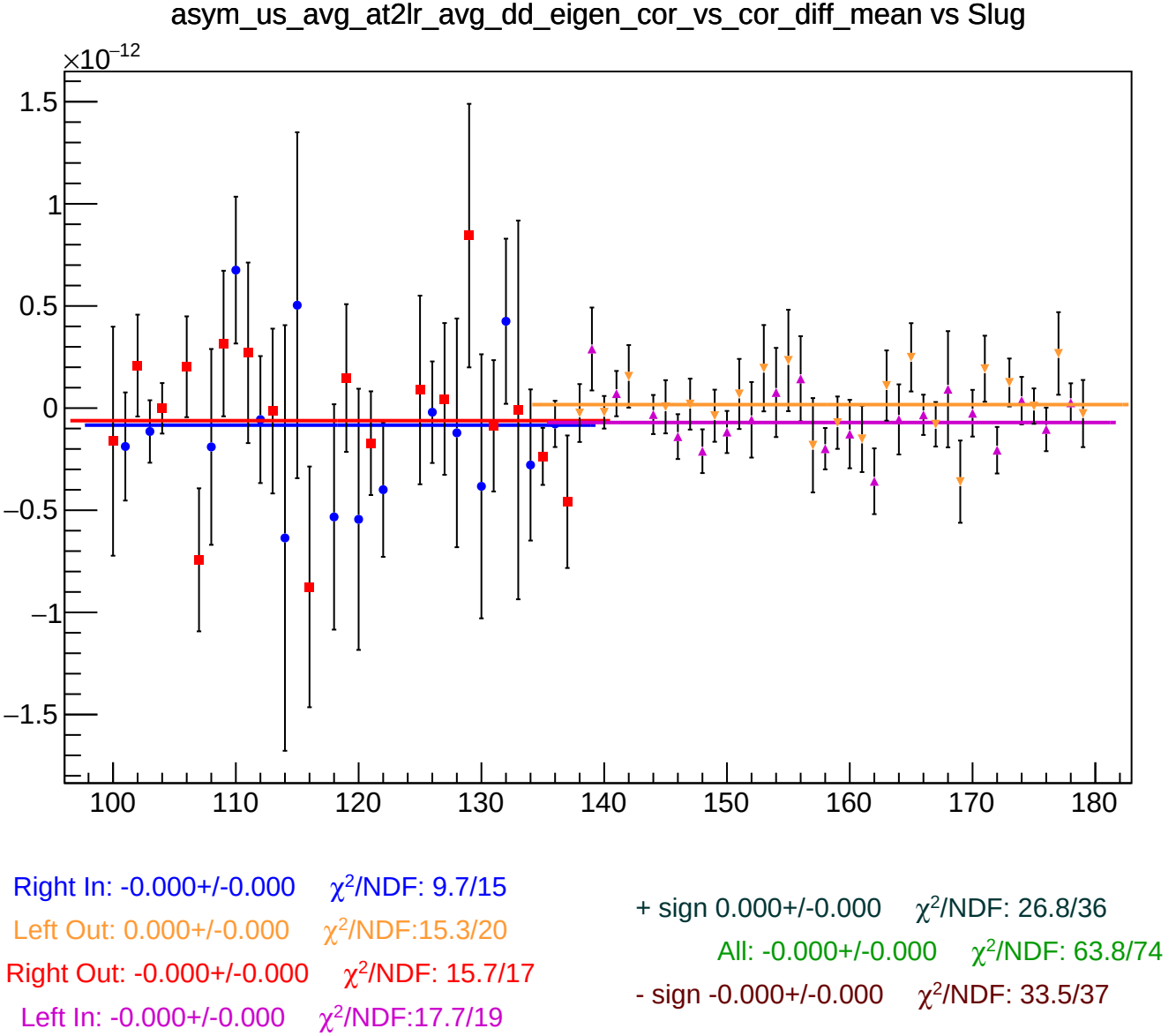
Right Out: 232.596+/-0.069 χ^2/NDF: 2032655.0/17

Left In: 516.223+/-0.096 χ^2/NDF:2661697.0/19

+ sign 360.330+/-0.059 χ^2/NDF: 8965715.4/36

All: 343.984+/-0.041 χ^2/NDF: 19594714.9/74

- sign 329.277+/-0.056 χ^2/NDF: 10482729.6/37


asym_us_avg_at2lr_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
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−0.5
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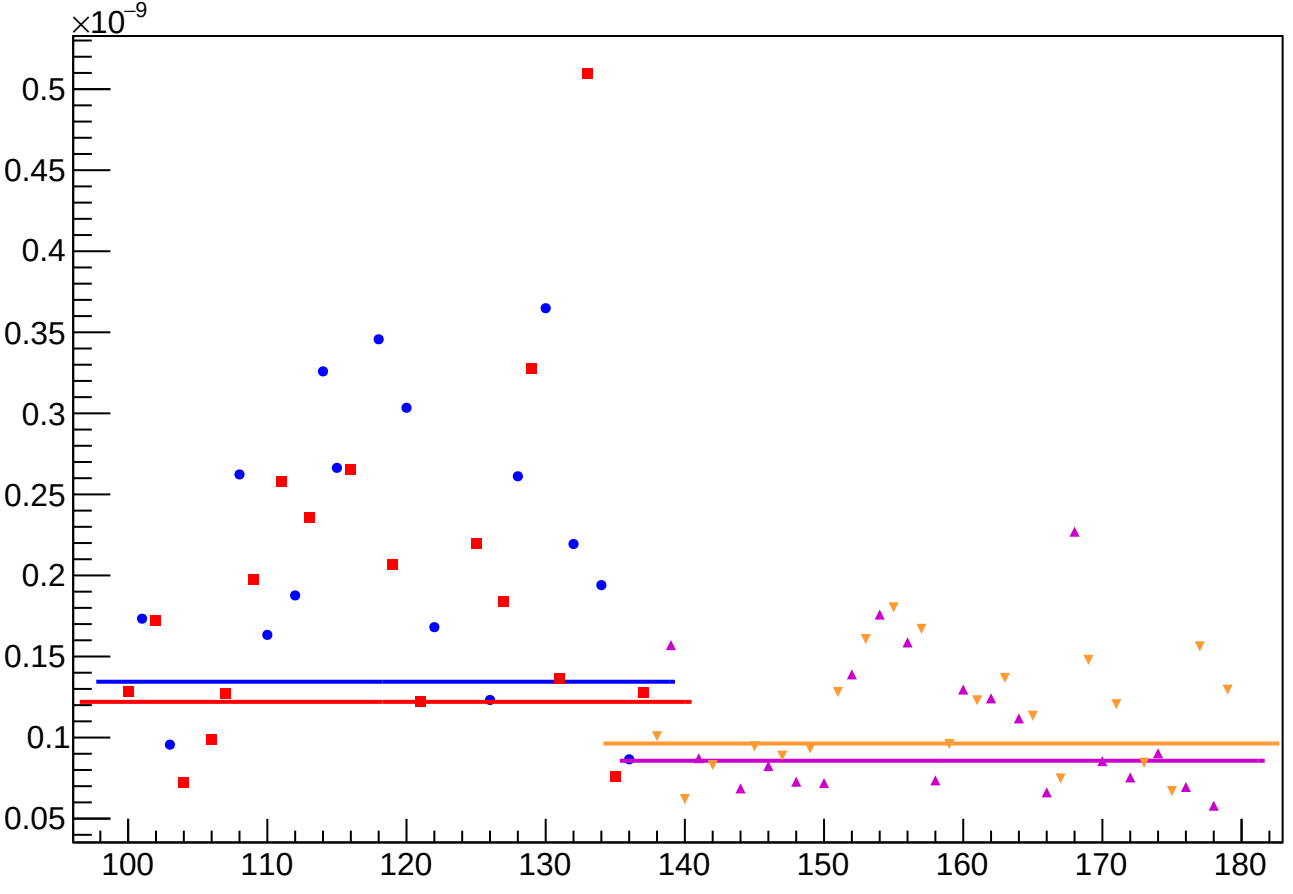
170
180
Right In: -0.000+/-0.000 χ²/NDF: 9.7/15
Left Out: 0.000+/-0.000 χ²/NDF:15.3/20
Right Out: -0.000+/-0.000 χ²/NDF: 15.7/17
Left In: -0.000+/-0.000 χ²/NDF:17.7/19
+ sign 0.000+/-0.000 χ²/NDF: 26.8/36
All: -0.000+/-0.000 χ²/NDF: 63.8/74
- sign -0.000+/-0.000 χ²/NDF: 33.5/37



Right In: 0.000+/-0.000 χ^2/NDF: 1814968.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:2012510.2/20

Right Out: 0.000+/-0.000 χ^2/NDF: 2003381.5/17

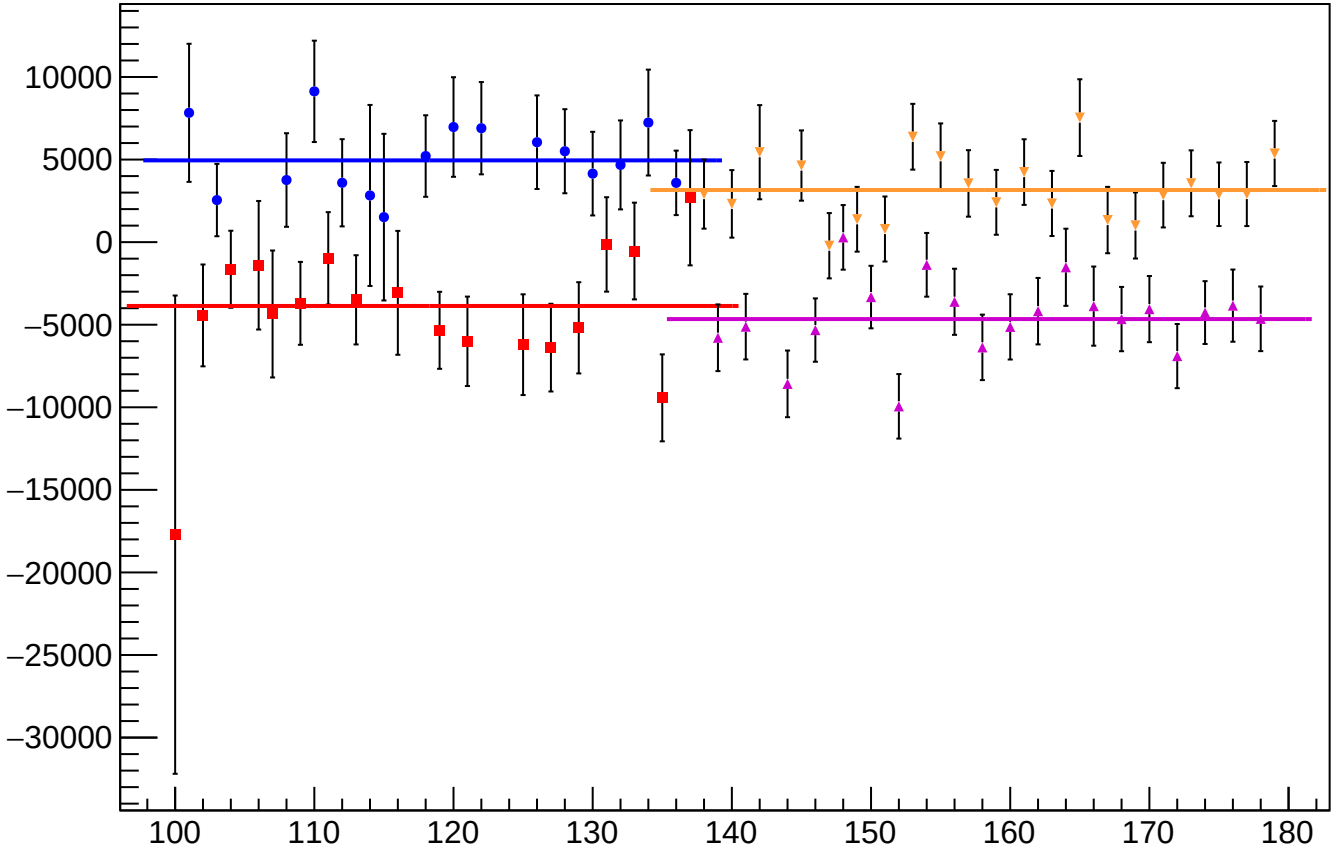
Left In: 0.000+/-0.000 χ^2/NDF:2263674.4/19

+ sign 0.000+/-0.000 χ^2/NDF: 4340621.2/36

All: 0.000+/-0.000 χ^2/NDF: 9315599.1/74

- sign 0.000+/-0.000 χ^2/NDF: 4802290.8/37

reg_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4950.321+/-698.937 χ^2/NDF: 6.8/15

Left Out: 3156.659+/-443.055 χ^2/NDF:17.7/20

Right Out: -3865.145+/-695.781 χ^2/NDF: 16.2/17

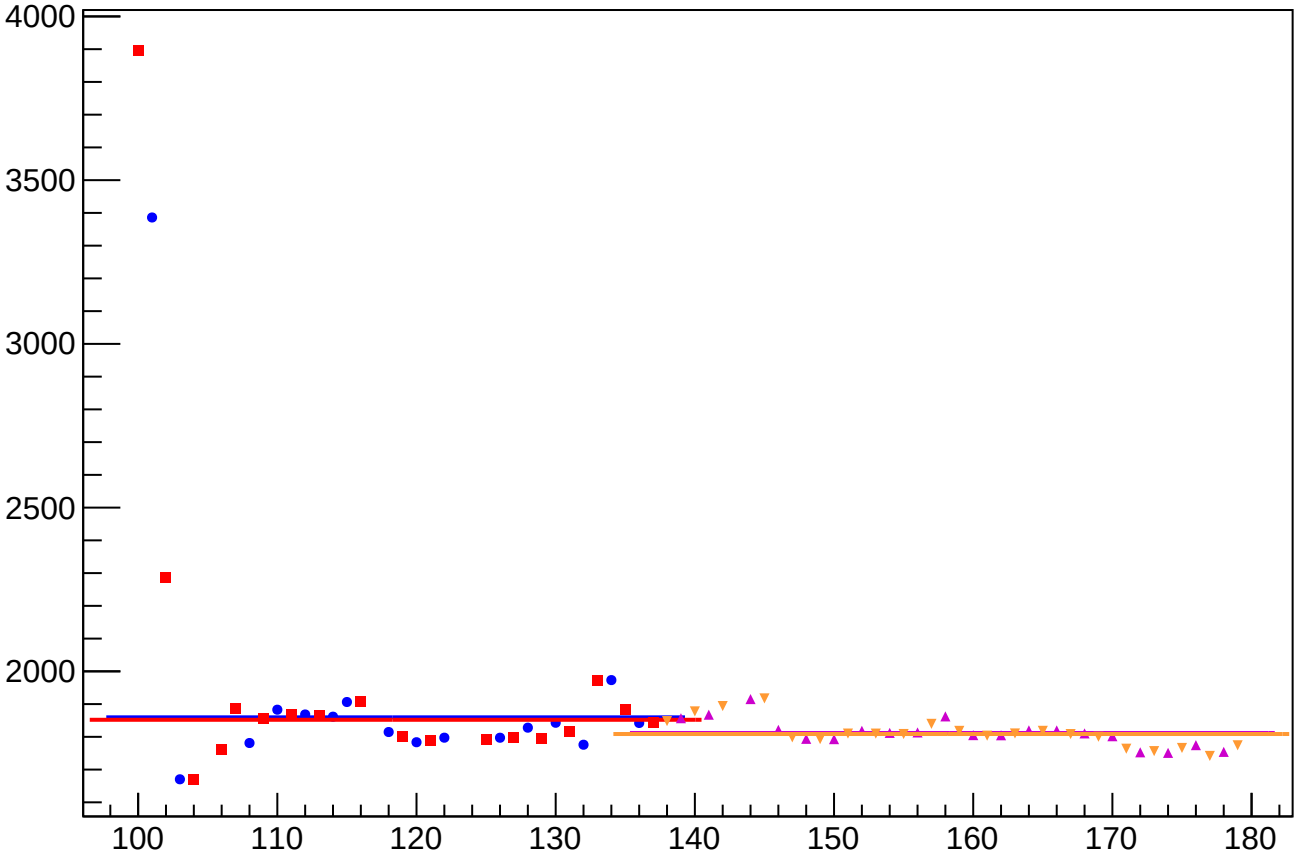
Left In: -4658.675+/-448.248 χ^2/NDF:26.0/19

+ sign 3670.805+/-374.206 χ^2/NDF: 29.2/36

All: -349.382+/-265.523 χ^2/NDF: 304.8/74

- sign -4425.927+/-376.820 χ^2/NDF: 43.1/37

reg_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1859.509+/-0.494 χ^2/NDF: 292334.6/15

Left Out: 1808.612+/-0.313 χ^2/NDF:17198.7/20

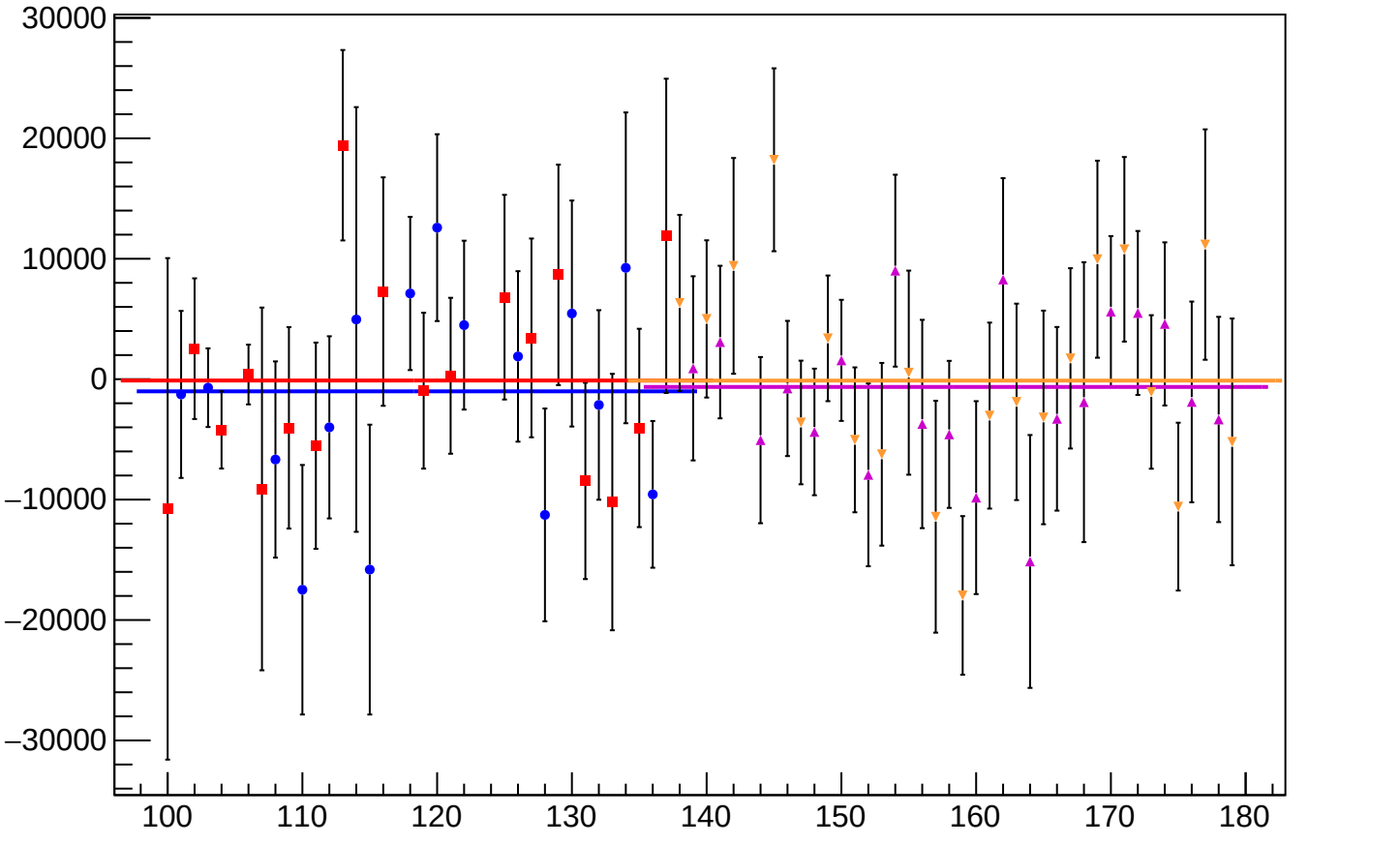
Right Out: 1852.065+/-0.490 χ^2/NDF: 102212.5/17

Left In: 1811.751+/-0.317 χ^2/NDF:15925.8/19

+ sign 1823.202+/-0.265 χ^2/NDF: 317098.9/36

All: 1823.413+/-0.188 χ^2/NDF: 440003.8/74

- sign 1823.626+/-0.266 χ^2/NDF: 122903.7/37



Right In: -1010.288+/-1764.180 χ^2/NDF: 14.7/15

Left Out: -119.657+/-1582.405 χ^2/NDF:27.1/20

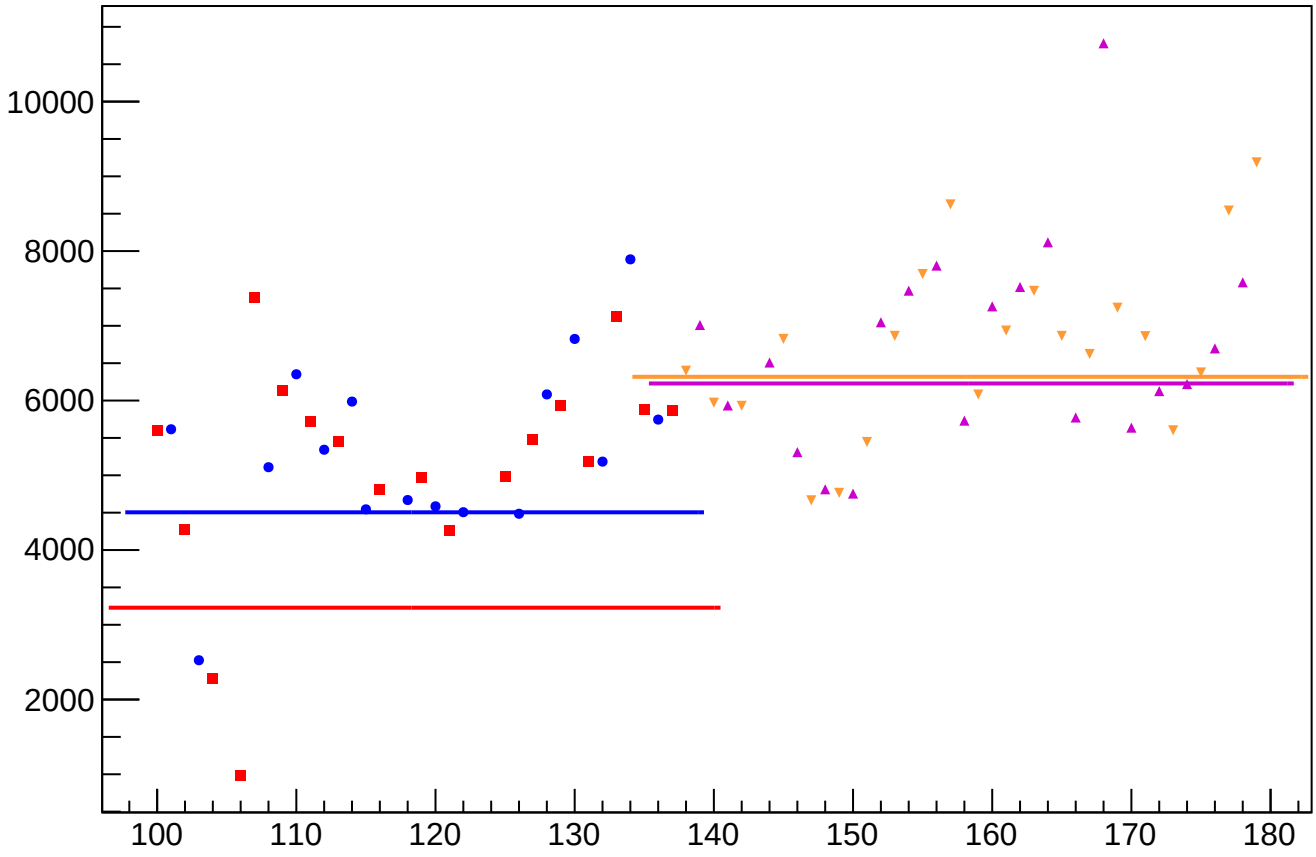
Right Out: -111.261+/-1438.515 χ^2/NDF: 14.6/17

Left In: -645.563+/-1573.015 χ^2/NDF:11.4/19

\+ sign -516.738+/-1177.970 χ^2/NDF: 42.0/36

All: -427.262+/-788.587 χ^2/NDF: 68.2/74

\- sign -354.597+/-1061.555 χ^2/NDF: 26.1/37



Right In: 4504.788+/-1.247 χ^2/NDF: 1321104.9/15

Left Out: 6317.746+/-1.119 χ^2/NDF:1014857.7/20

Right Out: 3228.605+/-1.017 χ^2/NDF: 3956397.6/17

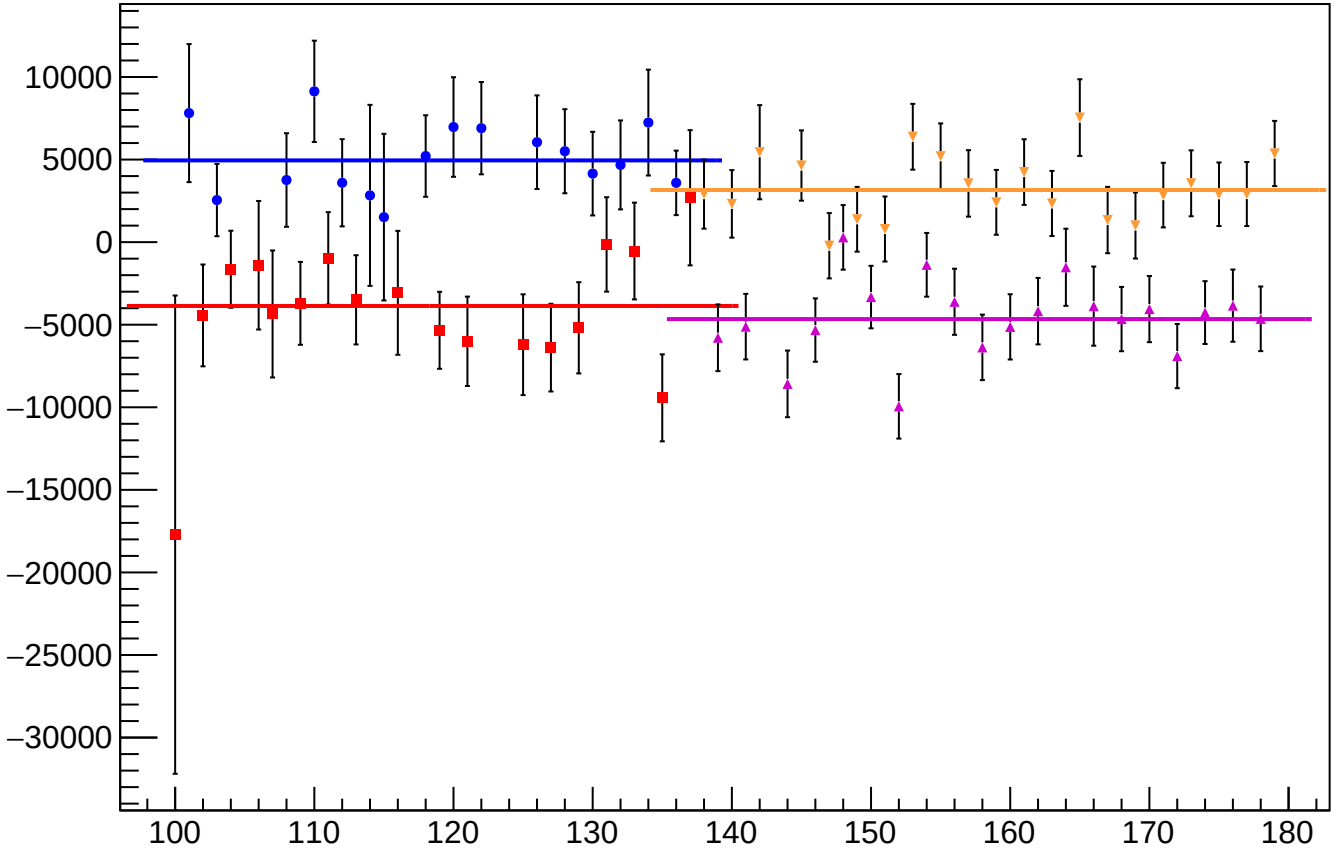
Left In: 6228.716+/-1.112 χ^2/NDF:1084440.2/19

+ sign 5509.451+/-0.833 χ^2/NDF: 3506410.8/36

All: 5004.784+/-0.558 χ^2/NDF: 13174275.8/7

- sign 4594.937+/-0.751 χ^2/NDF: 9002657.0/37

cor_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4949.838+/-698.937 χ^2/NDF: 6.8/15

Left Out: 3156.597+/-443.055 χ^2/NDF:17.7/20

Right Out: -3864.930+/-695.781 χ^2/NDF: 16.2/17

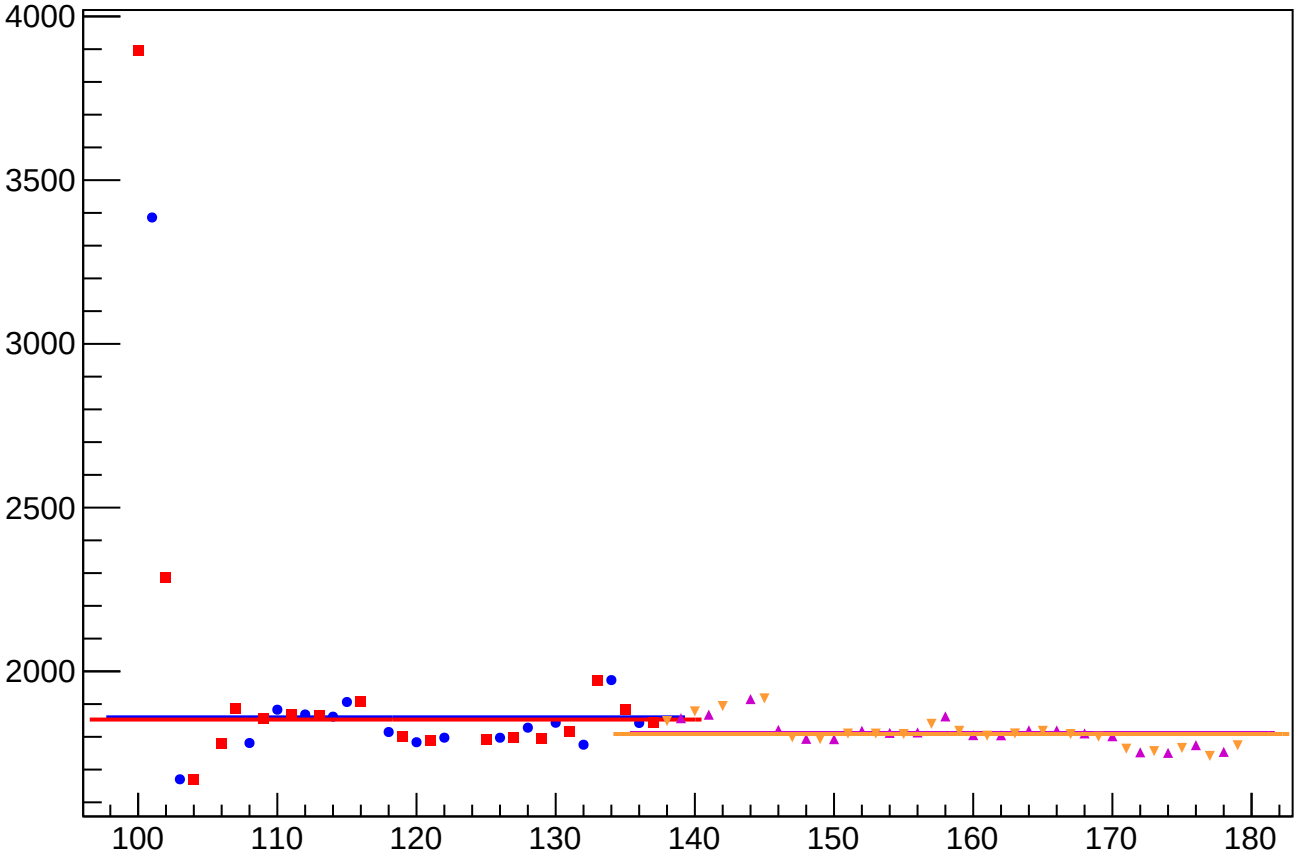
Left In: -4658.687+/-448.248 χ^2/NDF:26.0/19

+ sign 3670.622+/-374.206 χ^2/NDF: 29.2/36

All: -349.447+/-265.523 χ^2/NDF: 304.8/74

- sign -4425.872+/-376.820 χ^2/NDF: 43.1/37

cor_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1859.509+/-0.494 χ^2/NDF: 292336.5/15

Left Out: 1808.612+/-0.313 χ^2/NDF:17198.7/20

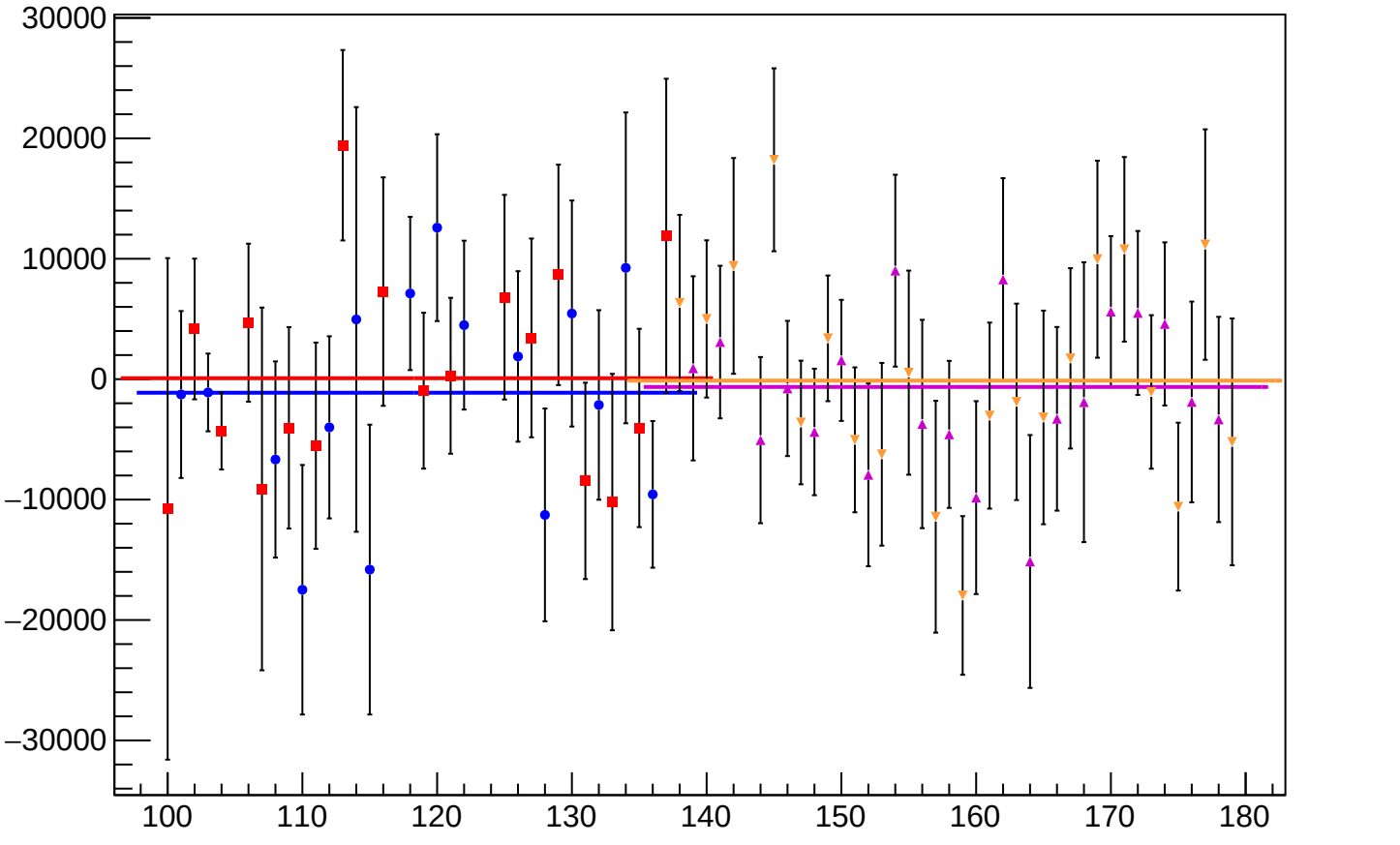
Right Out: 1852.770+/-0.491 χ^2/NDF: 101750.5/17

Left In: 1811.751+/-0.317 χ^2/NDF:15925.8/19

\+ sign 1823.202+/-0.265 χ^2/NDF: 317100.7/36

All: 1823.513+/-0.188 χ^2/NDF: 439711.2/74

\- sign 1823.828+/-0.266 χ^2/NDF: 122607.7/37



Right In: -1125.567+/-1757.876 χ^2/NDF: 14.7/15

Left Out: -119.693+/-1582.404 χ^2/NDF:27.1/20

Right Out: 78.270+/-1702.444 χ^2/NDF: 15.5/17

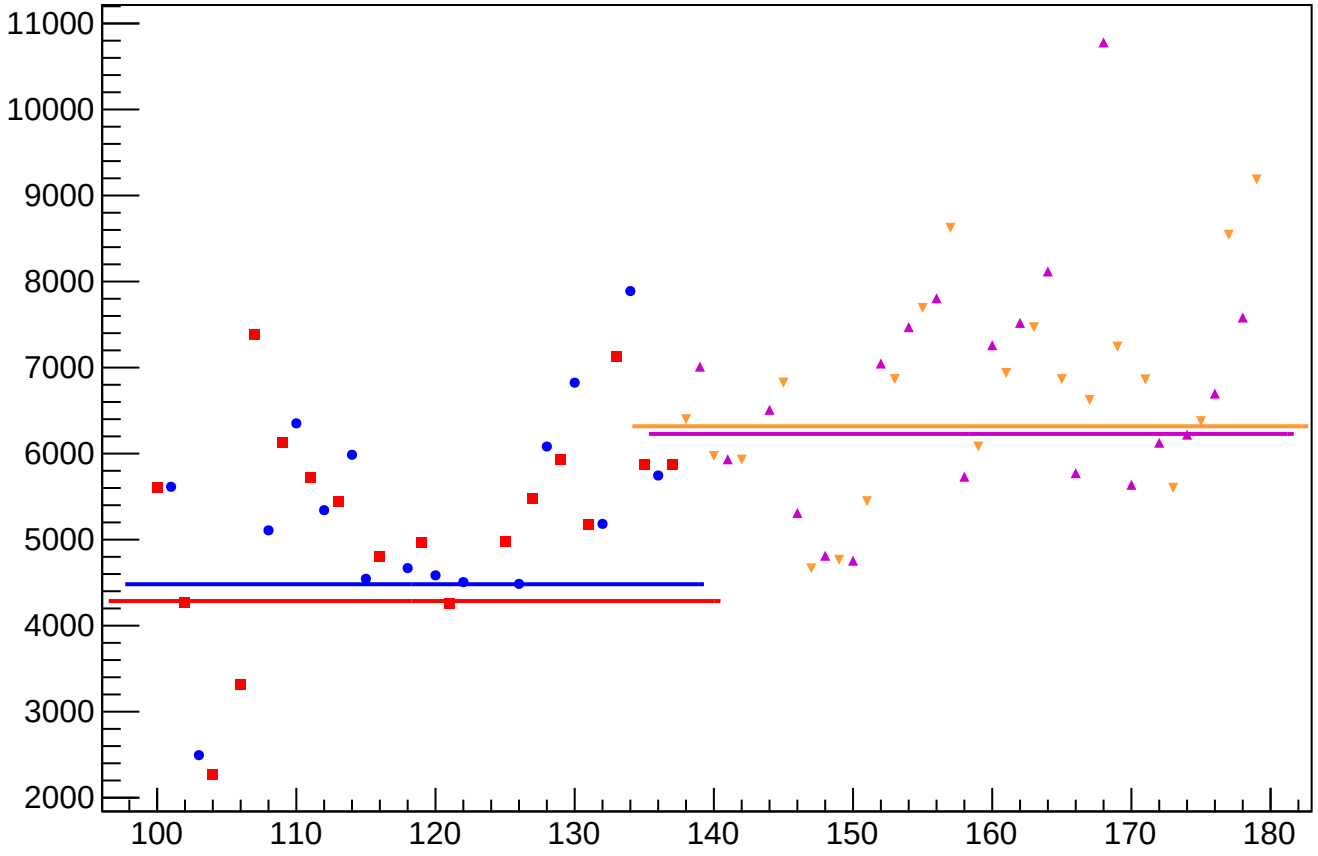
Left In: -645.662+/-1573.016 χ^2/NDF:11.4/19

+ sign -569.935+/-1176.087 χ^2/NDF: 42.0/36

All: -438.803+/-824.186 χ^2/NDF: 69.1/74

- sign -312.257+/-1155.340 χ^2/NDF: 27.1/37

asym_us_avg_atlr_avg_avg_cor_correction_rms vs Slug



Right In: 4481.518+/-1.243 χ^2/NDF: 1362255.0/15

Left Out: 6317.742+/-1.119 χ^2/NDF:1014868.7/20

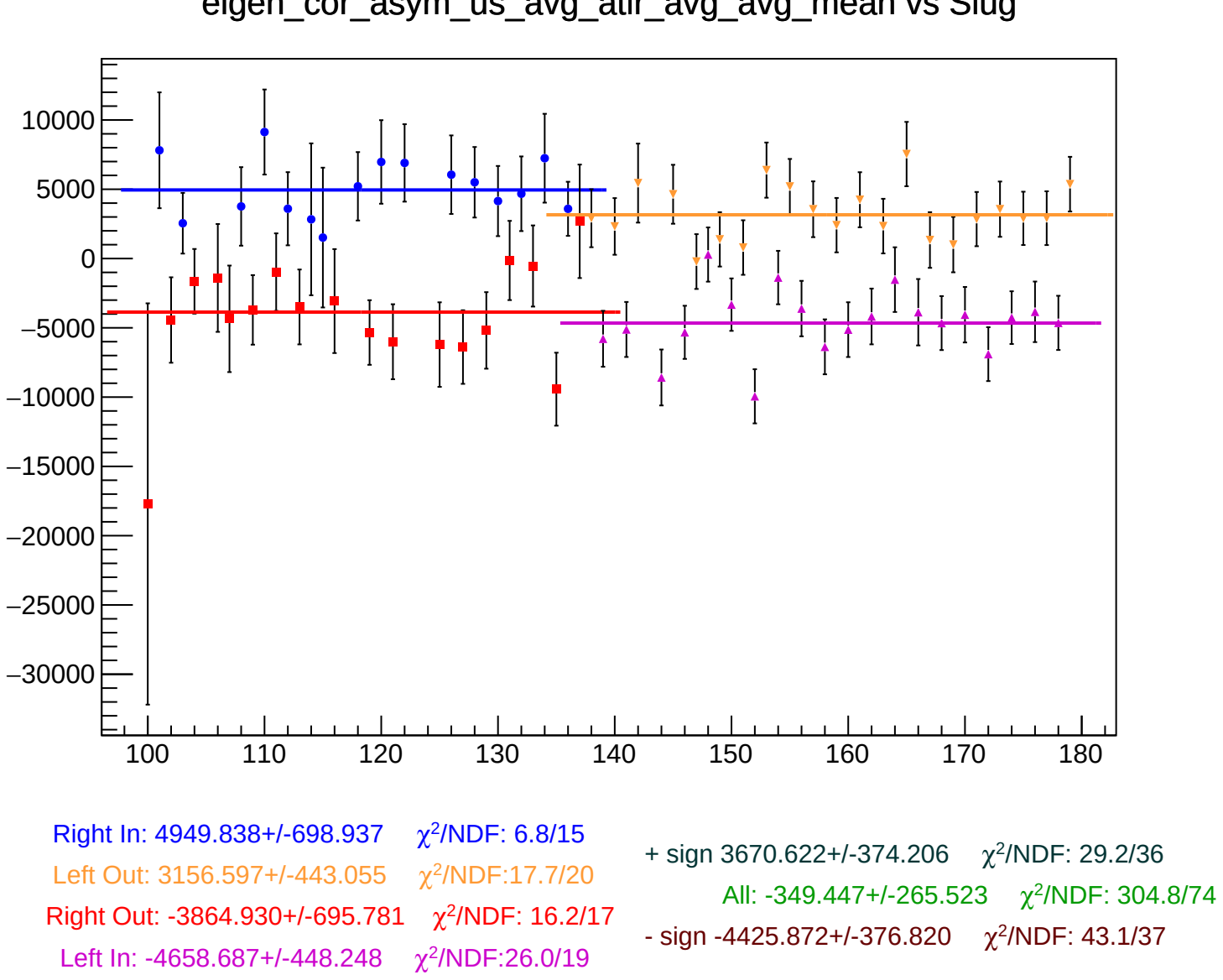
Right Out: 4286.125+/-1.204 χ^2/NDF: 1549852.7/17

Left In: 6228.716+/-1.112 χ^2/NDF:1084448.3/19

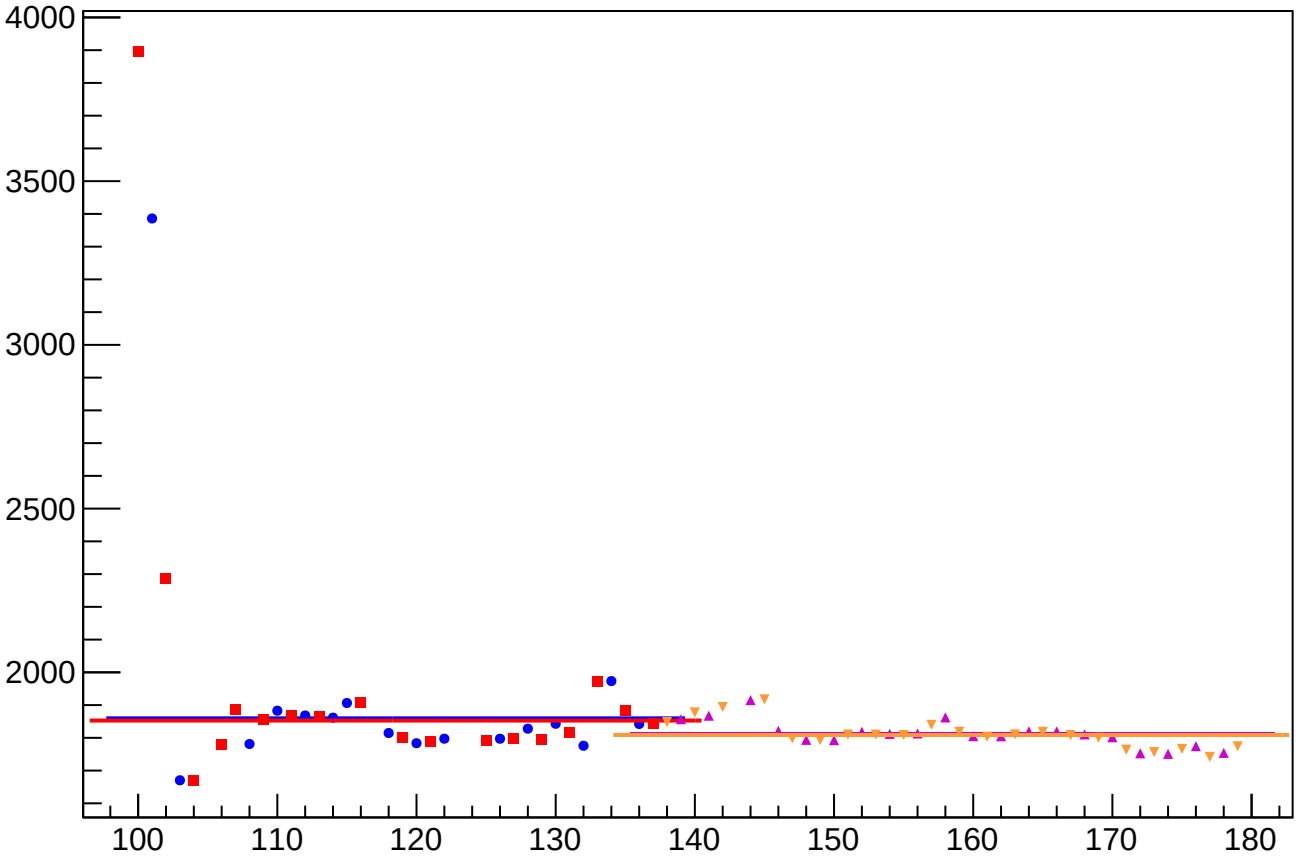
+ sign 5495.825+/-0.832 χ^2/NDF: 3582571.5/36

All: 5413.504+/-0.583 χ^2/NDF: 7640882.5/74

- sign 5334.061+/-0.817 χ^2/NDF: 4039056.0/37


eigen_cor_asym_us_avg_atlr_avg_avg_mean vs Slug
10000
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
160
170
180
Right In: 4949.838+/-698.937 χ²/NDF: 6.8/15
Left Out: 3156.597+/-443.055 χ²/NDF:17.7/20
Right Out: -3864.930+/-695.781 χ²/NDF: 16.2/17
Left In: -4658.687+/-448.248 χ²/NDF:26.0/19
+ sign 3670.622+/-374.206 χ²/NDF: 29.2/36
All: -349.447+/-265.523 χ²/NDF: 304.8/74
- sign -4425.872+/-376.820 χ²/NDF: 43.1/37

eigen_cor_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1859.509+/-0.494 χ^2/NDF: 292336.5/15

Left Out: 1808.612+/-0.313 χ^2/NDF:17198.7/20

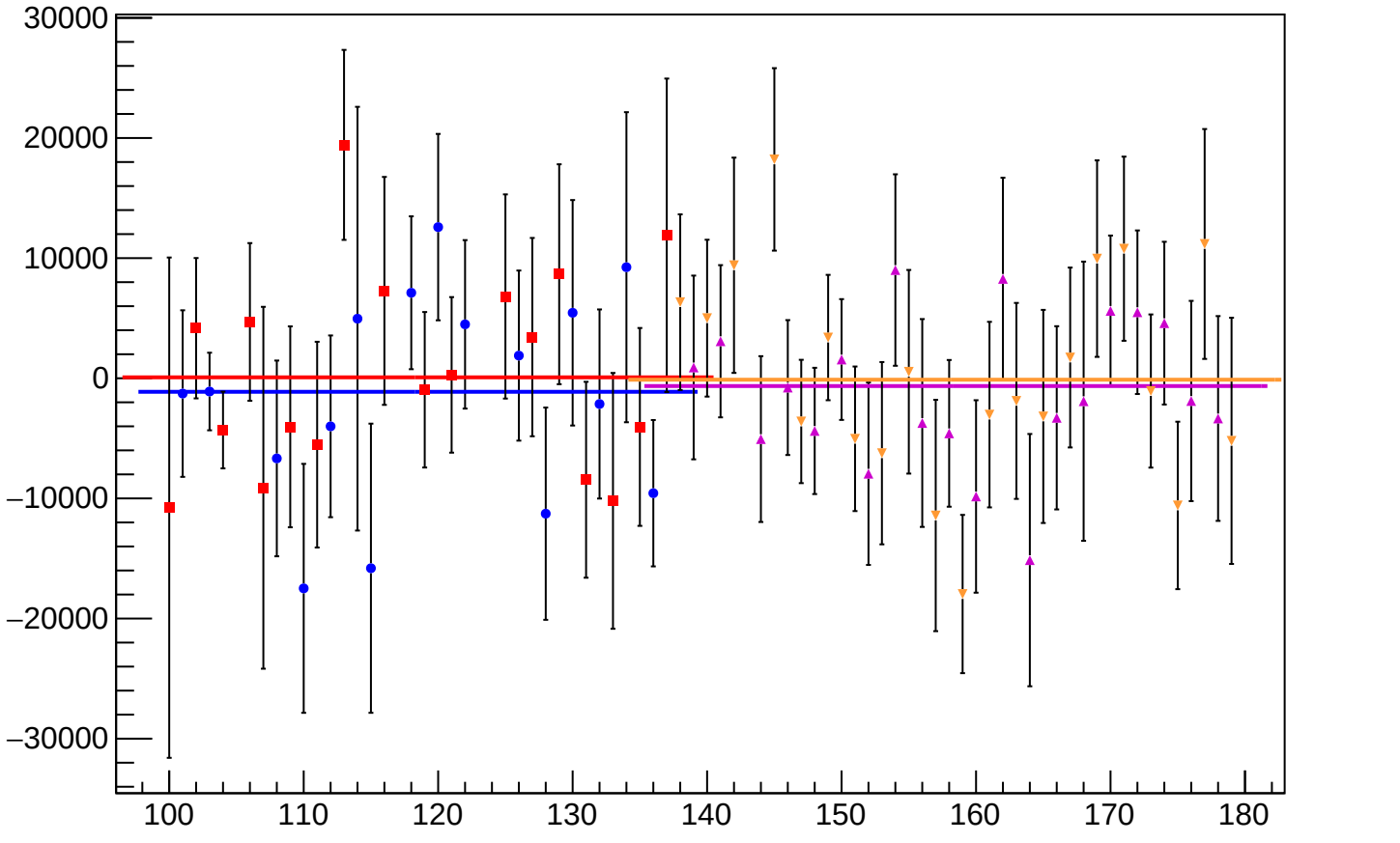
Right Out: 1852.770+/-0.491 χ^2/NDF: 101750.5/17

Left In: 1811.751+/-0.317 χ^2/NDF:15925.8/19

+ sign 1823.202+/-0.265 χ^2/NDF: 317100.7/36

All: 1823.513+/-0.188 χ^2/NDF: 439711.2/74

- sign 1823.828+/-0.266 χ^2/NDF: 122607.7/37



Right In: -1125.567+/-1757.876 χ^2/NDF: 14.7/15

Left Out: -119.693+/-1582.404 χ^2/NDF:27.1/20

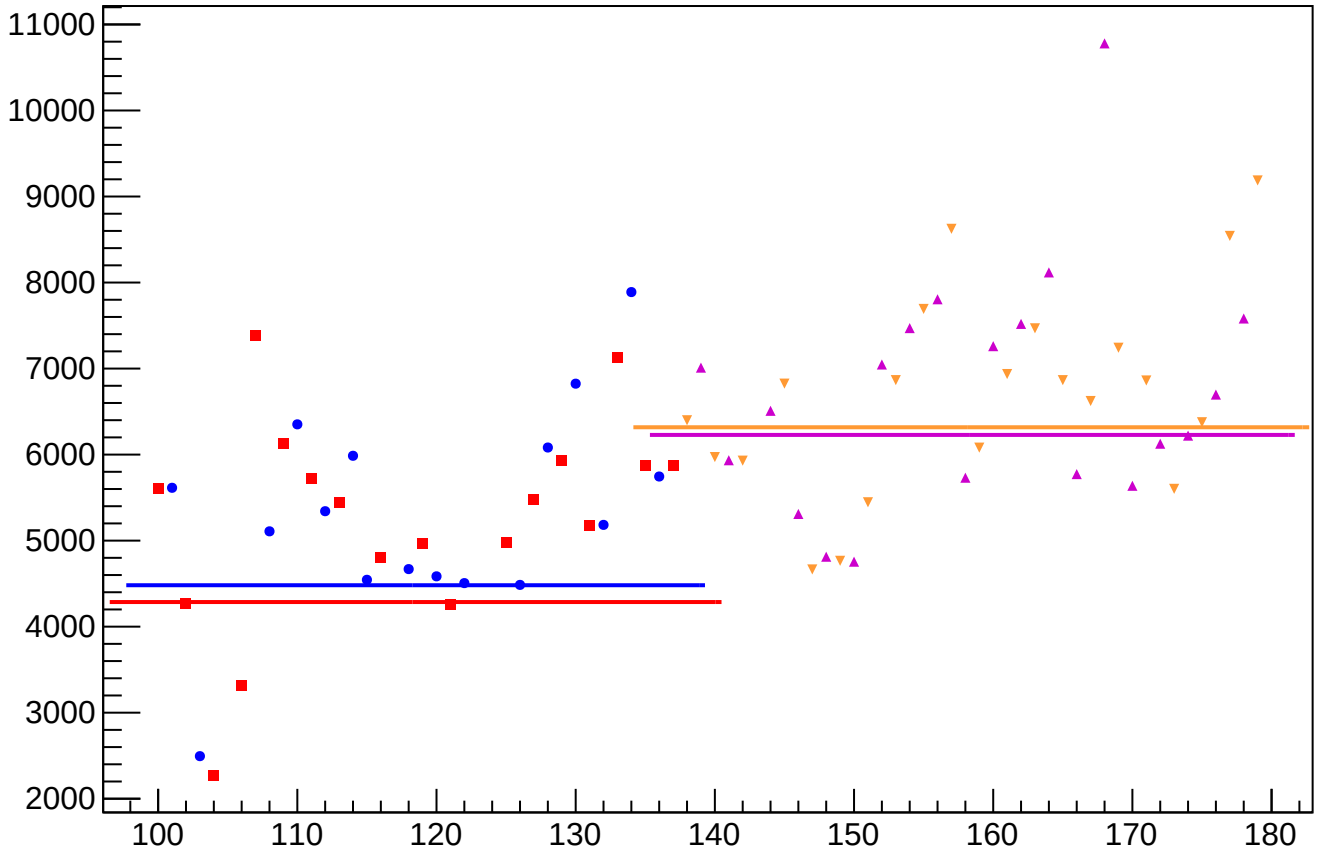
Right Out: 78.270+/-1702.444 χ^2/NDF: 15.5/17

Left In: -645.662+/-1573.016 χ^2/NDF:11.4/19

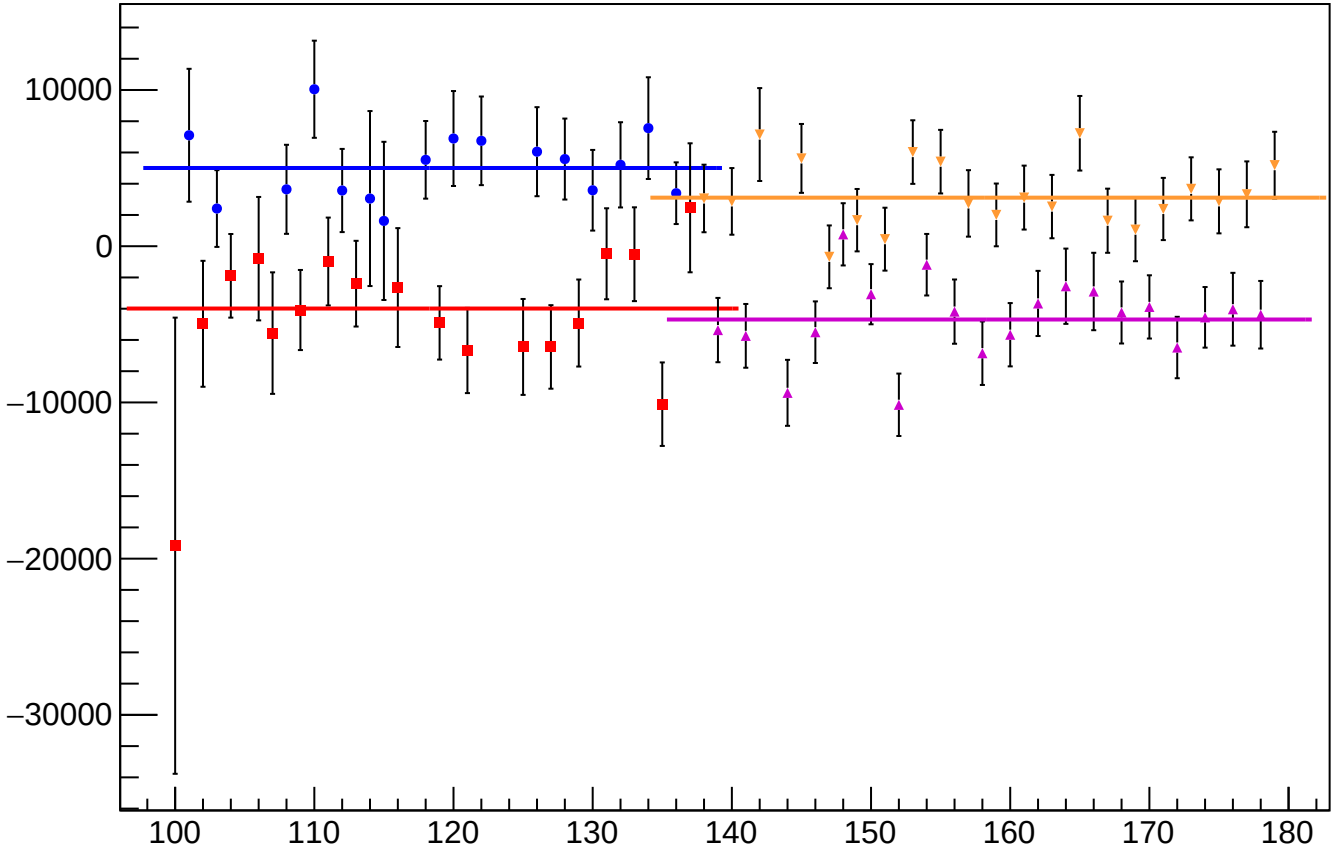
+ sign -569.935+/-1176.087 χ^2/NDF: 42.0/36

All: -438.803+/-824.186 χ^2/NDF: 69.1/74

- sign -312.257+/-1155.340 χ^2/NDF: 27.1/37


asym_us_avg_atlr_avg_avg_eigen_cor_correction_rms vs Slug
11000
10000
9000
8000
7000
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
170
180
Right In: 4481.518+/-1.243 χ²/NDF: 1362255.0/15
Left Out: 6317.742+/-1.119 χ²/NDF:1014868.7/20
Right Out: 4286.125+/-1.204 χ²/NDF: 1549852.7/17
Left In: 6228.716+/-1.112 χ²/NDF:1084448.3/19
+ sign 5495.825+/-0.832 χ²/NDF: 3582571.5/36
All: 5413.504+/-0.583 χ²/NDF: 7640882.5/74
- sign 5334.061+/-0.817 χ²/NDF: 4039056.0/37

dit_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 5007.315+/-714.061 χ^2/NDF: 7.7/15

Left Out: 3108.254+/-457.973 χ^2/NDF:18.4/20

Right Out: -3989.193+/-719.024 χ^2/NDF: 17.4/17

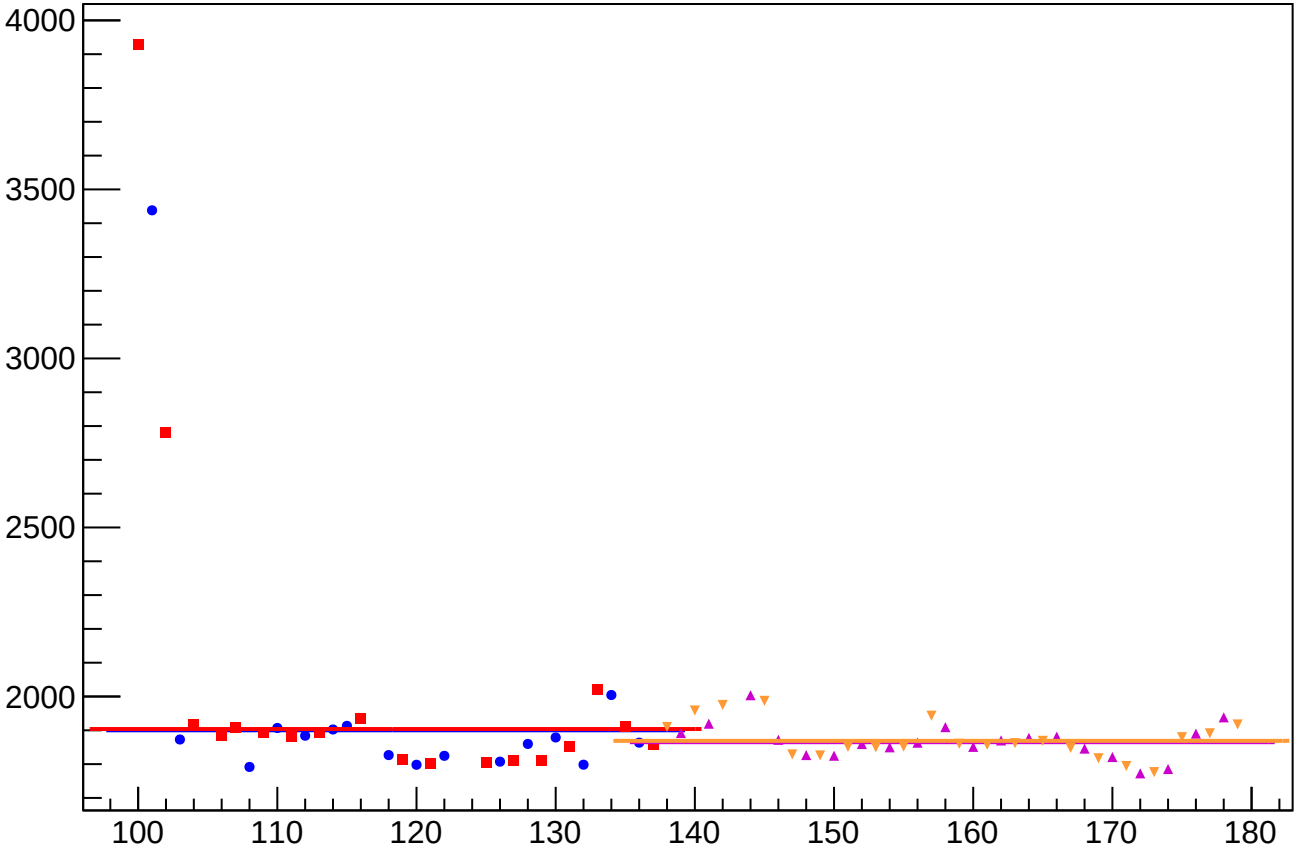
Left In: -4691.766+/-461.523 χ^2/NDF:28.4/19

+ sign 3661.749+/-385.499 χ^2/NDF: 31.1/36

All: -381.996+/-273.608 χ^2/NDF: 299.3/74

- sign -4486.766+/-388.397 χ^2/NDF: 46.5/37

dit_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1900.111+/-0.505 χ^2/NDF: 278448.2/15

Left Out: 1868.851+/-0.324 χ^2/NDF:27132.4/20

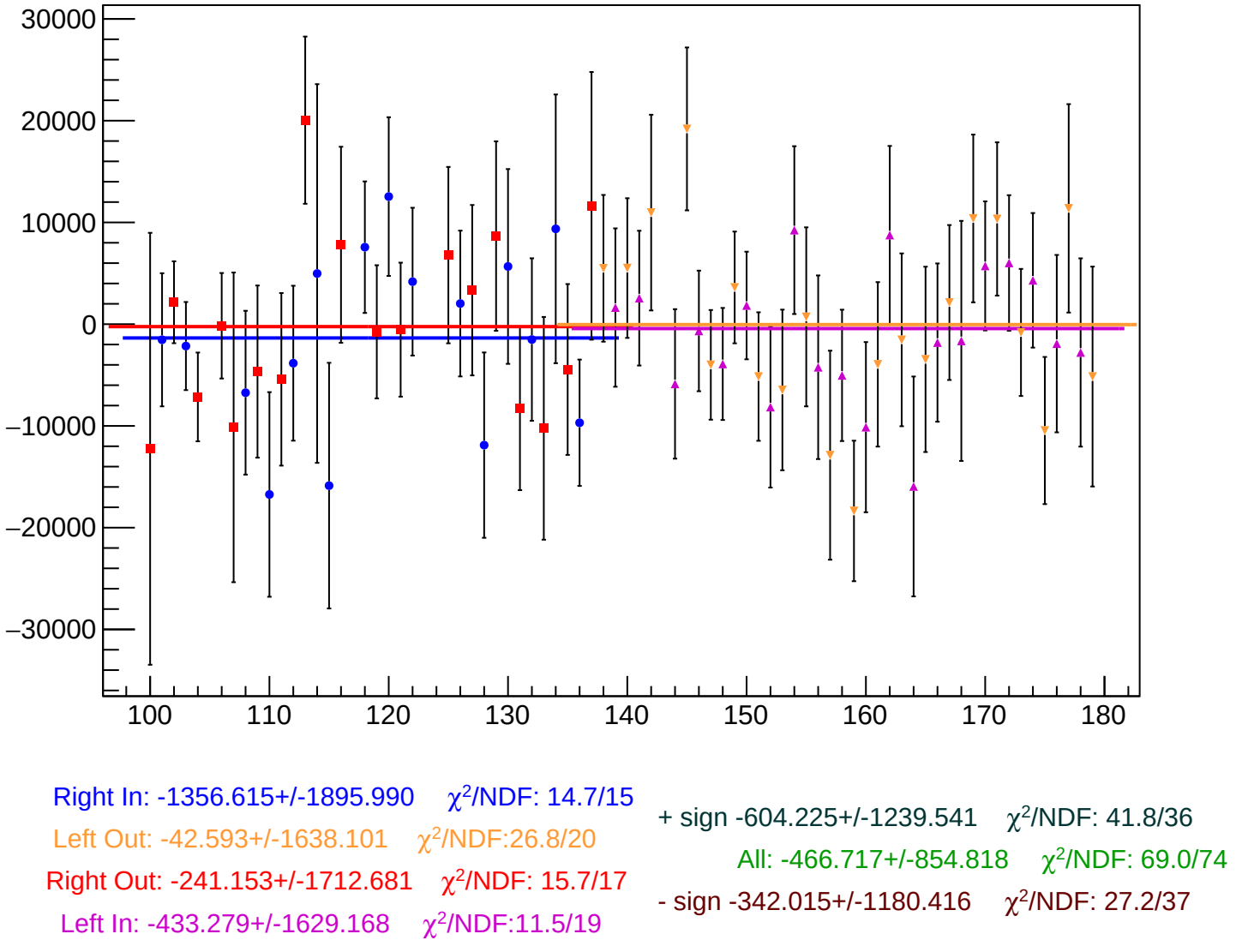
Right Out: 1903.827+/-0.508 χ^2/NDF: 150115.8/17

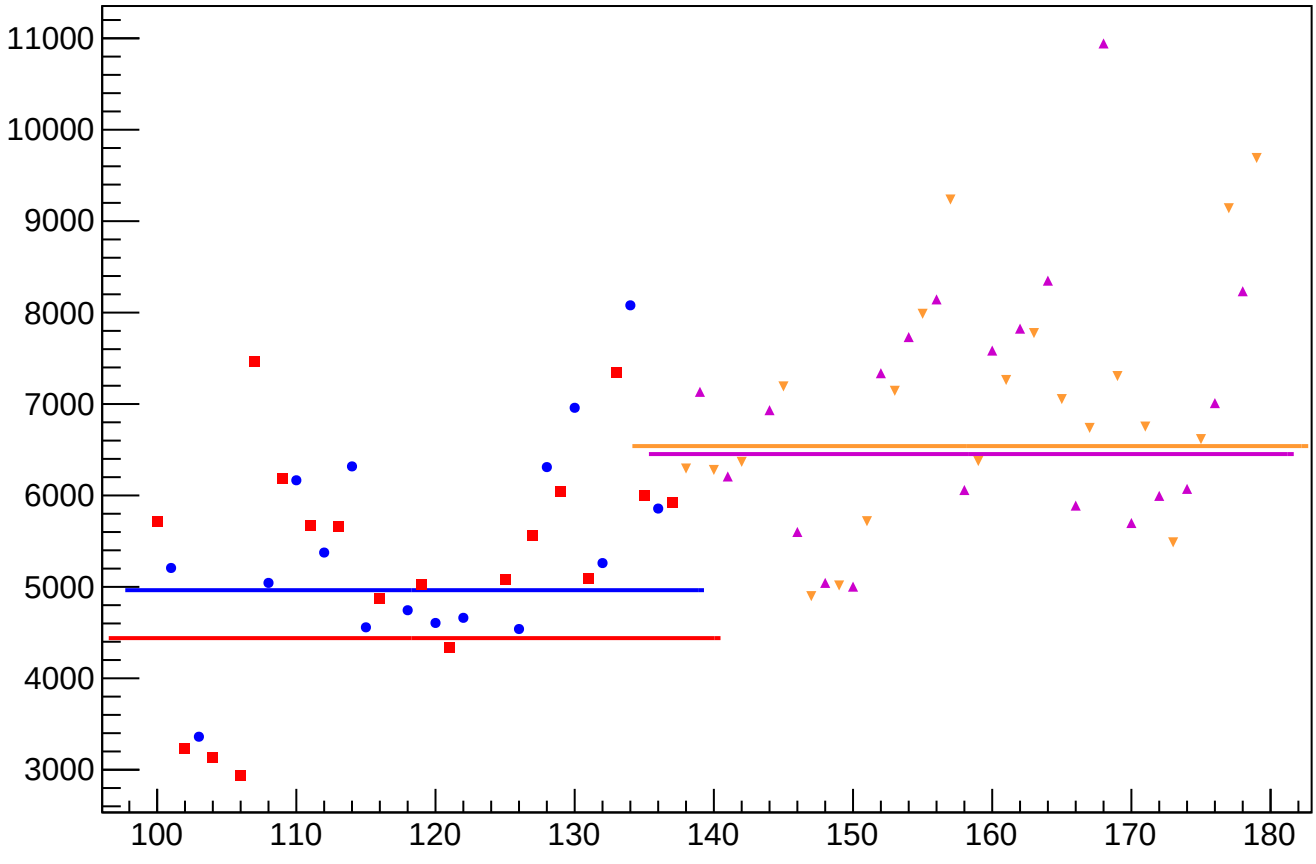
Left In: 1864.881+/-0.326 χ^2/NDF:24804.1/19

+ sign 1877.962+/-0.273 χ^2/NDF: 308296.6/36

All: 1877.118+/-0.193 χ^2/NDF: 487397.7/74

- sign 1876.262+/-0.275 χ^2/NDF: 179081.9/37


asym_us_avg_atlr_avg_avg_dit_correction_mean vs Slug
30000
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
170
180
Right In: -1356.615+/-1895.990 χ²/NDF: 14.7/15
Left Out: -42.593+/-1638.101 χ²/NDF:26.8/20
Right Out: -241.153+/-1712.681 χ²/NDF: 15.7/17
Left In: -433.279+/-1629.168 χ²/NDF:11.5/19
+ sign -604.225+/-1239.541 χ²/NDF: 41.8/36
All: -466.717+/-854.818 χ²/NDF: 69.0/74
- sign -342.015+/-1180.416 χ²/NDF: 27.2/37



Right In: 4963.998+/-1.341 χ^2/NDF: 627377.0/15

Left Out: 6539.940+/-1.158 χ^2/NDF:1038585.3/20

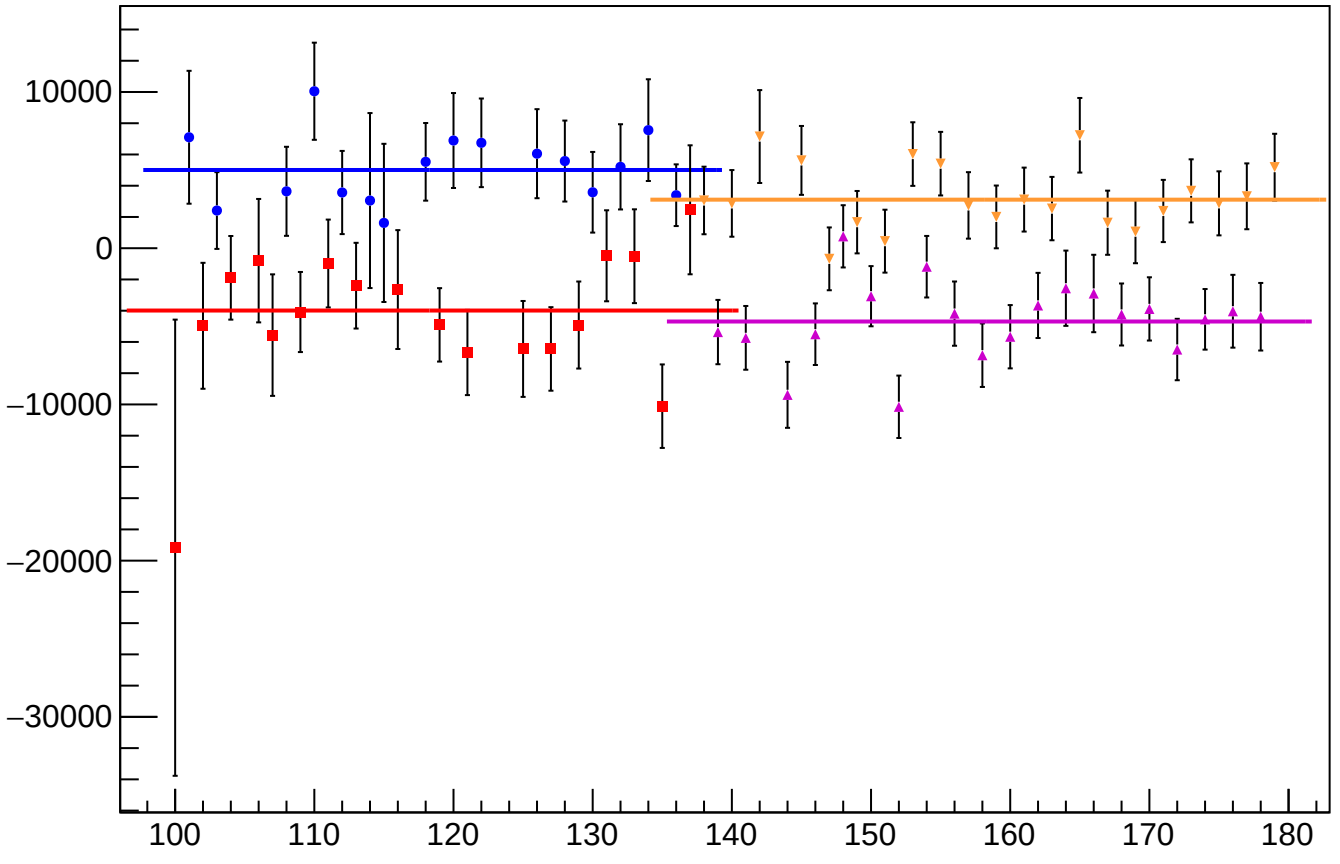
Right Out: 4439.675+/-1.211 χ^2/NDF: 1158510.1/17

Left In: 6452.649+/-1.152 χ^2/NDF:1074447.5/19

+ sign 5866.359+/-0.876 χ^2/NDF: 2457148.0/36

All: 5672.364+/-0.604 χ^2/NDF: 6233932.8/74

- sign 5496.435+/-0.835 χ^2/NDF: 3683370.9/37



Right In: 5007.314+/-714.061 χ^2/NDF: 7.7/15

Left Out: 3108.247+/-457.973 χ^2/NDF:18.4/20

Right Out: -3989.192+/-719.024 χ^2/NDF: 17.4/17

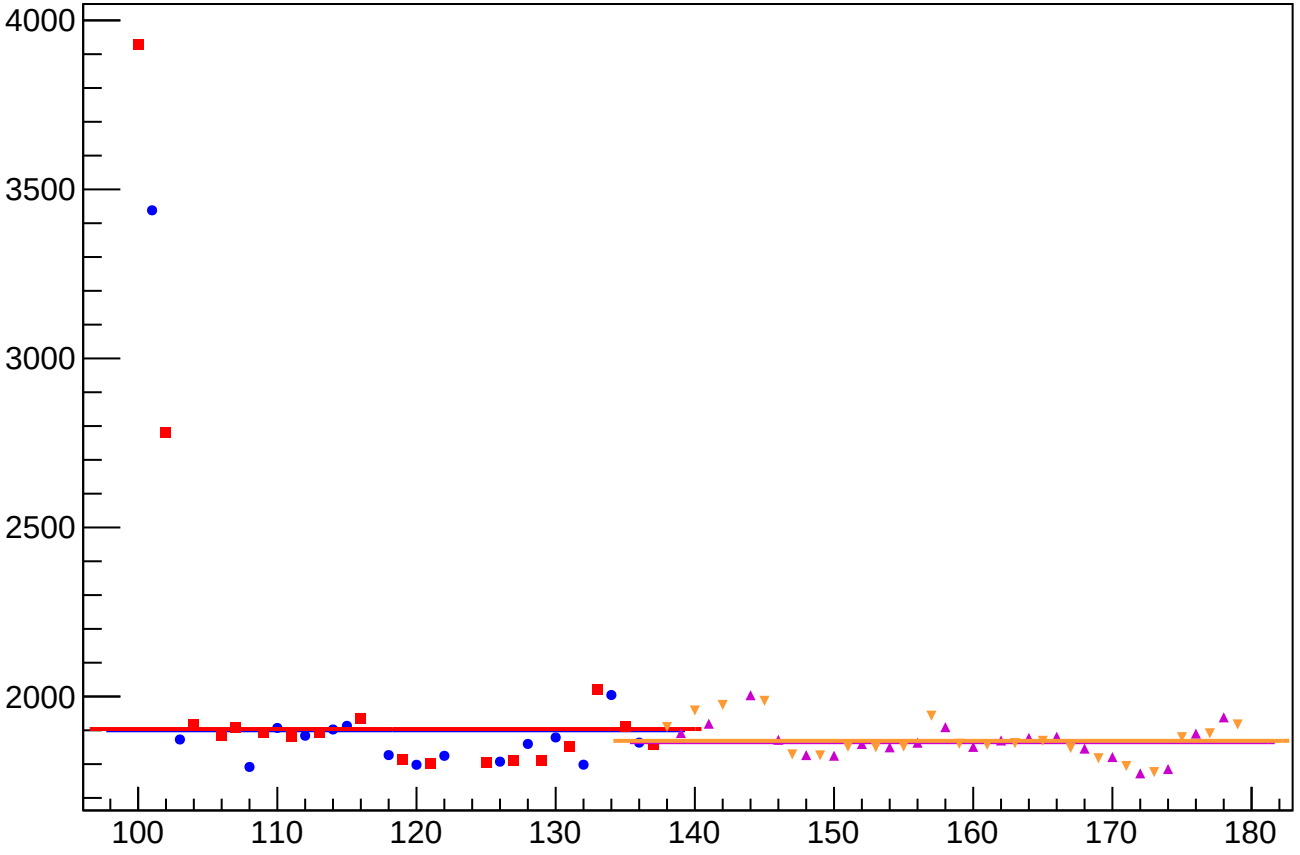
Left In: -4691.770+/-461.523 χ^2/NDF:28.4/19

+ sign 3661.745+/-385.499 χ^2/NDF: 31.1/36

All: -381.999+/-273.608 χ^2/NDF: 299.3/74

- sign -4486.767+/-388.397 χ^2/NDF: 46.5/37

eigen_dit_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1900.111+/-0.505 χ^2/NDF: 278448.5/15

Left Out: 1868.852+/-0.324 χ^2/NDF:27133.5/20

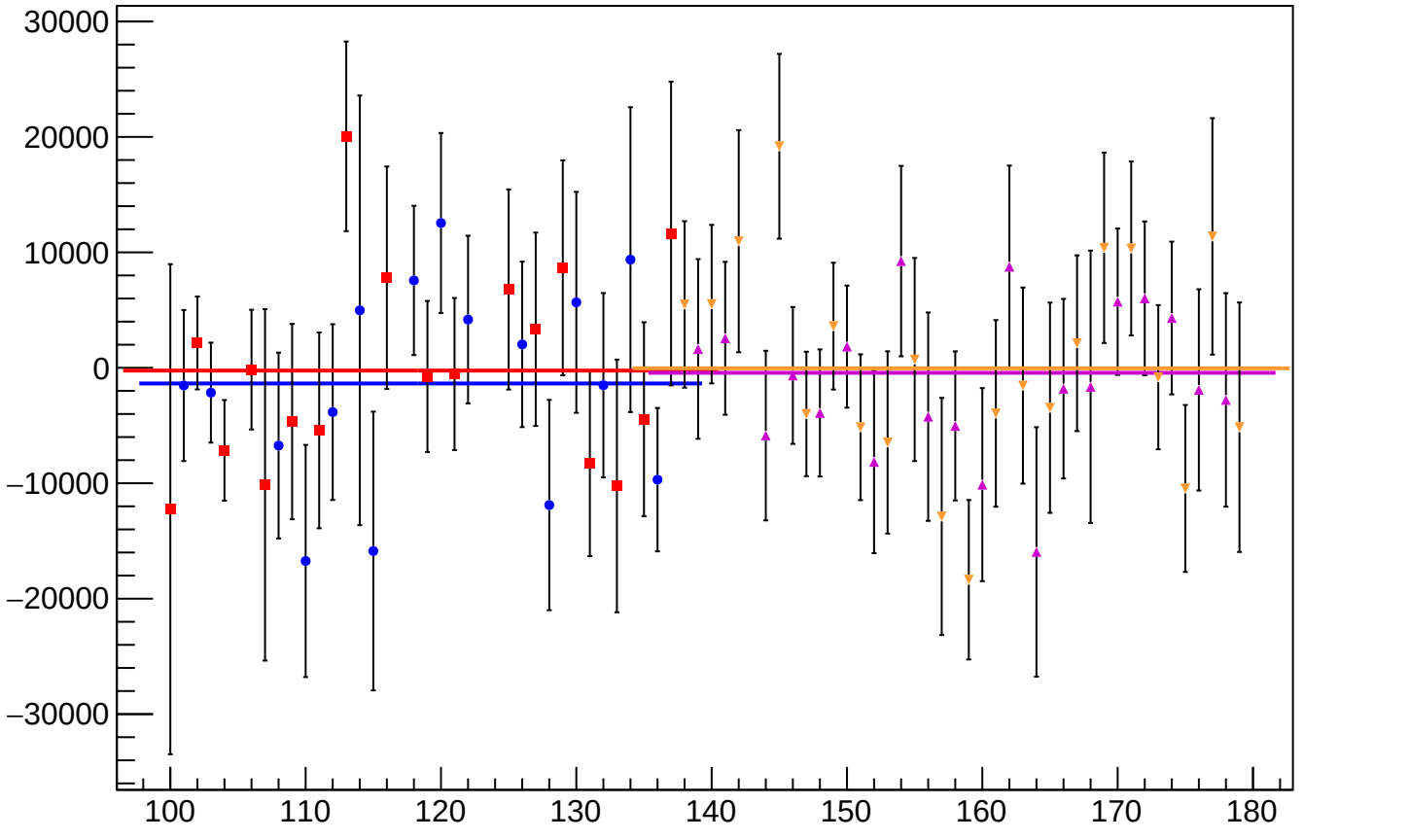
Right Out: 1903.826+/-0.508 χ^2/NDF: 150115.1/17

Left In: 1864.882+/-0.326 χ^2/NDF:24805.1/19

+ sign 1877.963+/-0.273 χ^2/NDF: 308297.5/36

All: 1877.119+/-0.193 χ^2/NDF: 487398.6/74

- sign 1876.263+/-0.275 χ^2/NDF: 179081.8/37



Right In: -1356.604+/-1895.985 χ^2/NDF: 14.7/15

Left Out: -42.598+/-1638.104 χ^2/NDF:26.8/20

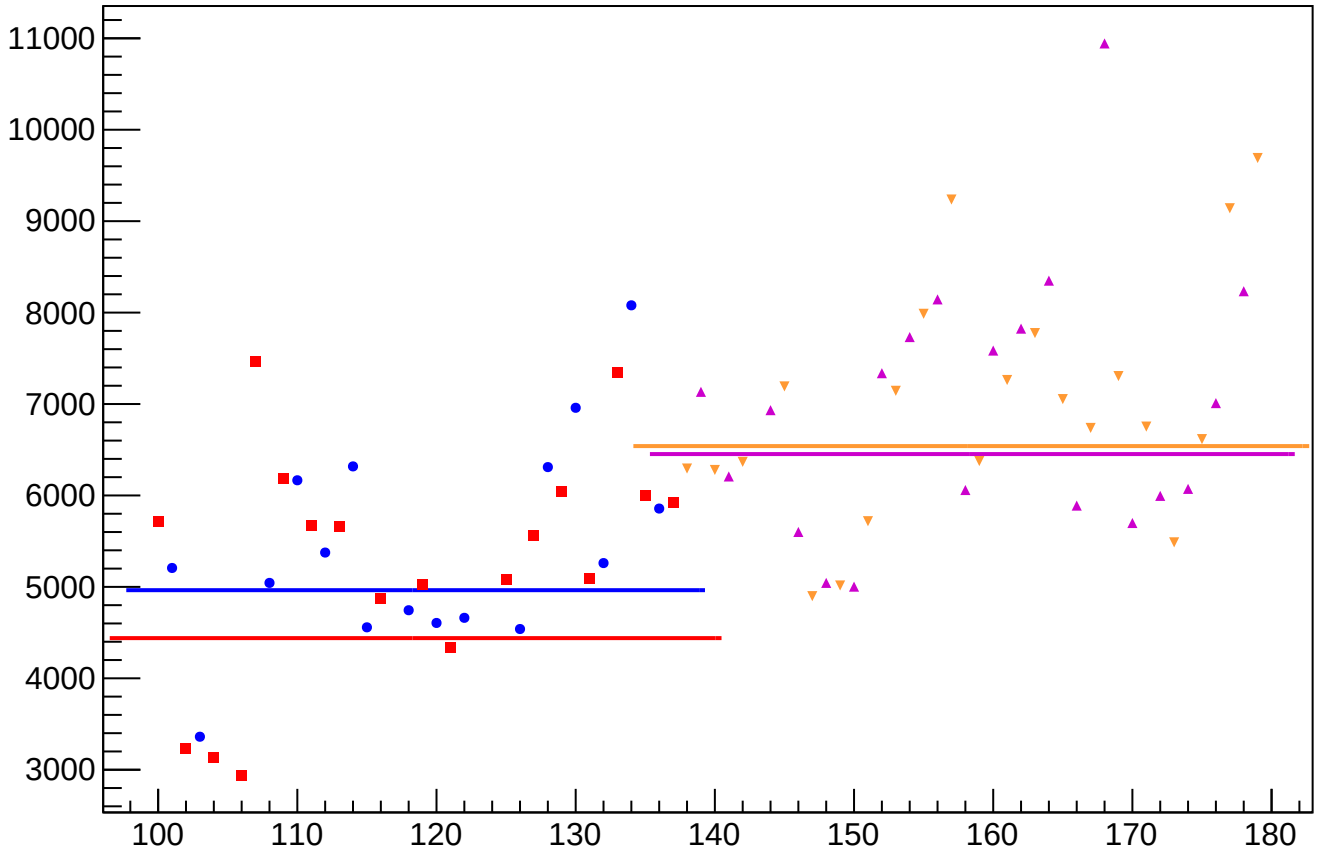
Right Out: -241.155+/-1712.677 χ^2/NDF: 15.7/17

Left In: -433.280+/-1629.170 χ^2/NDF:11.5/19

\+ sign -604.226+/-1239.541 χ^2/NDF: 41.8/36

All: -466.718+/-854.818 χ^2/NDF: 69.0/74

\- sign -342.015+/-1180.415 χ^2/NDF: 27.2/37



Right In: 4963.985+/-1.341 χ^2/NDF: 627379.5/15

Left Out: 6539.951+/-1.158 χ^2/NDF:1038587.8/20

Right Out: 4439.663+/-1.211 χ^2/NDF: 1158509.7/17

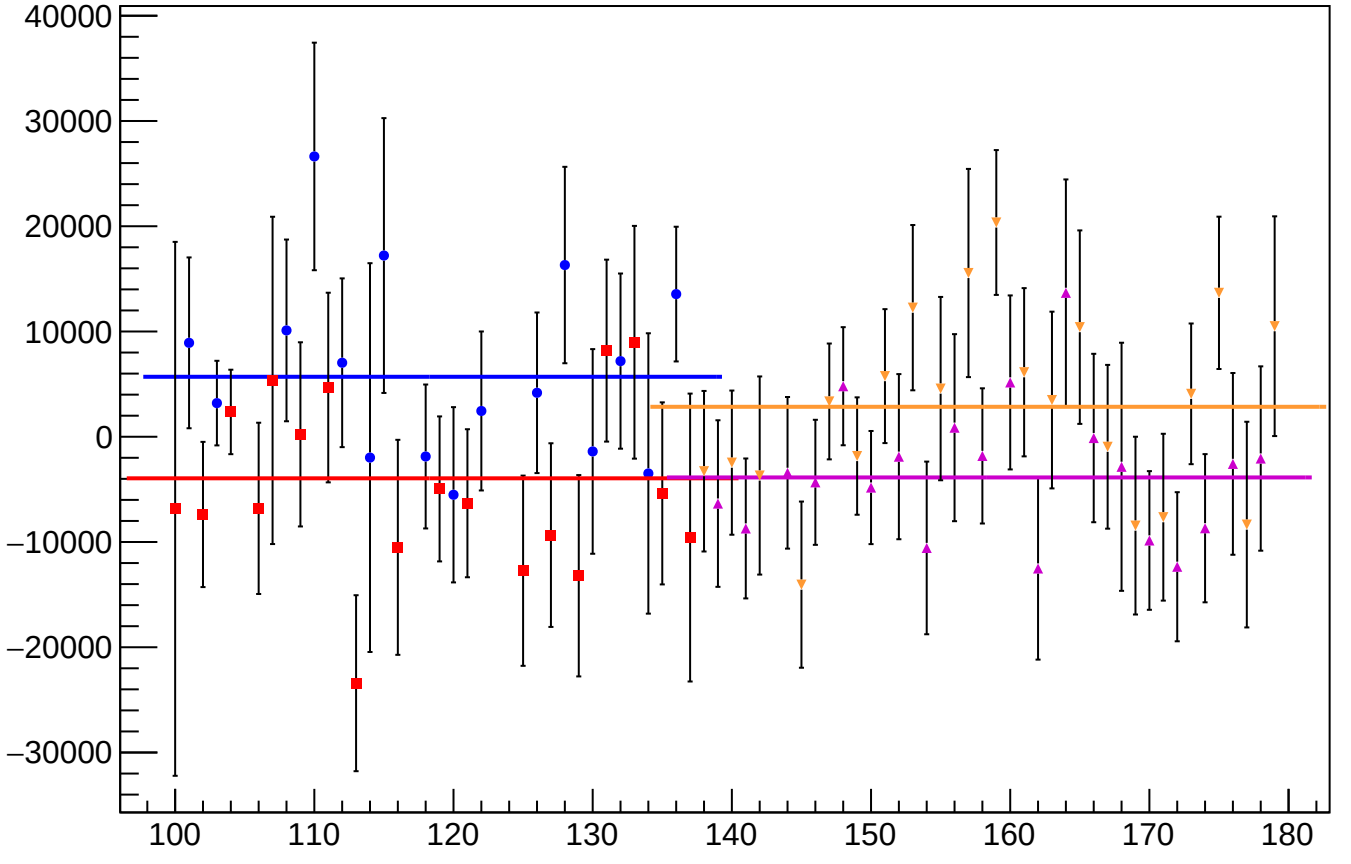
Left In: 6452.659+/-1.152 χ^2/NDF:1074449.6/19

+ sign 5866.357+/-0.876 χ^2/NDF: 2457178.1/36

All: 5672.361+/-0.604 χ^2/NDF: 6233998.3/74

- sign 5496.431+/-0.835 χ^2/NDF: 3683405.5/37

asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 5697.218+/-1959.214 χ^2/NDF: 12.6/15

Left Out: 2845.533+/-1653.544 χ^2/NDF:25.6/20

Right Out: -3949.394+/-1920.582 χ^2/NDF: 16.1/17

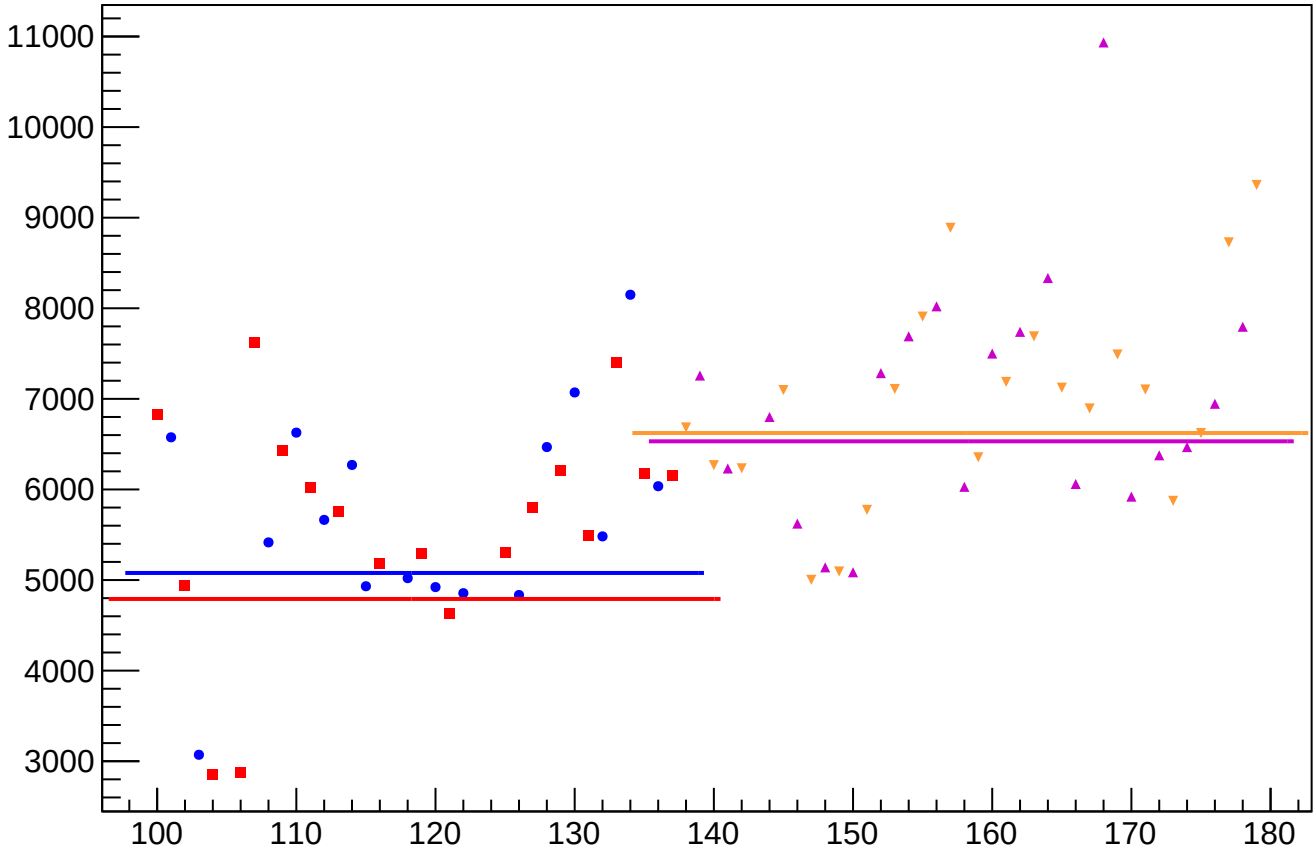
Left In: -3865.721+/-1644.792 χ^2/NDF:12.0/19

+ sign 4031.814+/-1263.644 χ^2/NDF: 39.5/36

All: 19.988+/-888.408 χ^2/NDF: 87.6/74

- sign -3901.124+/-1249.276 χ^2/NDF: 28.2/37

asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 5078.157+/-1.385 χ^2/NDF: 919209.4/15

Left Out: 6622.927+/-1.169 χ^2/NDF:869044.9/20

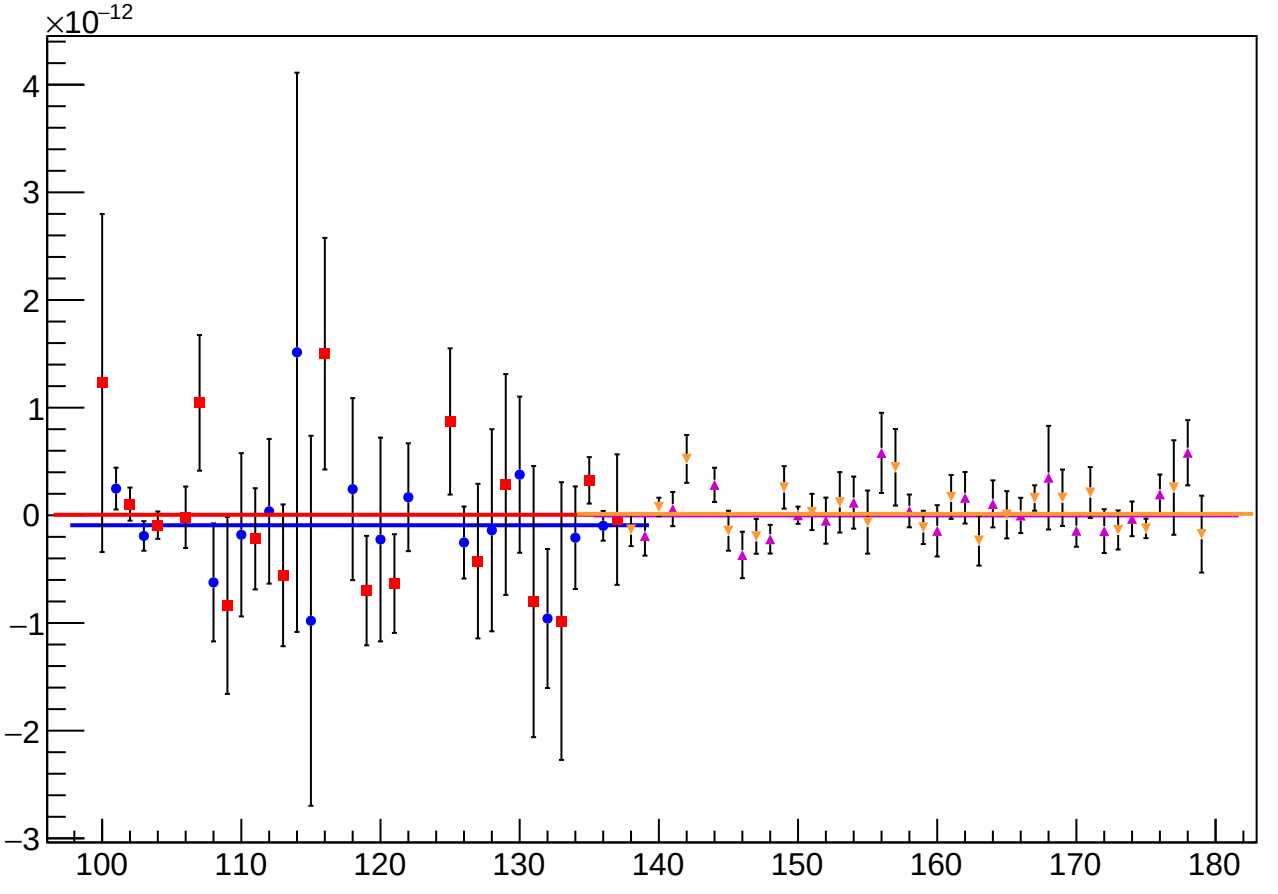
Right Out: 4791.154+/-1.331 χ^2/NDF: 1162455.3/17

Left In: 6531.329+/-1.163 χ^2/NDF:938076.7/19

+ sign 5980.301+/-0.894 χ^2/NDF: 2514394.5/36

All: 5876.967+/-0.625 χ^2/NDF: 5610656.6/74

- sign 5777.712+/-0.876 χ^2/NDF: 3070041.2/37



Right In: -0.000+/-0.000 χ^2/NDF: 8.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:20.8/20

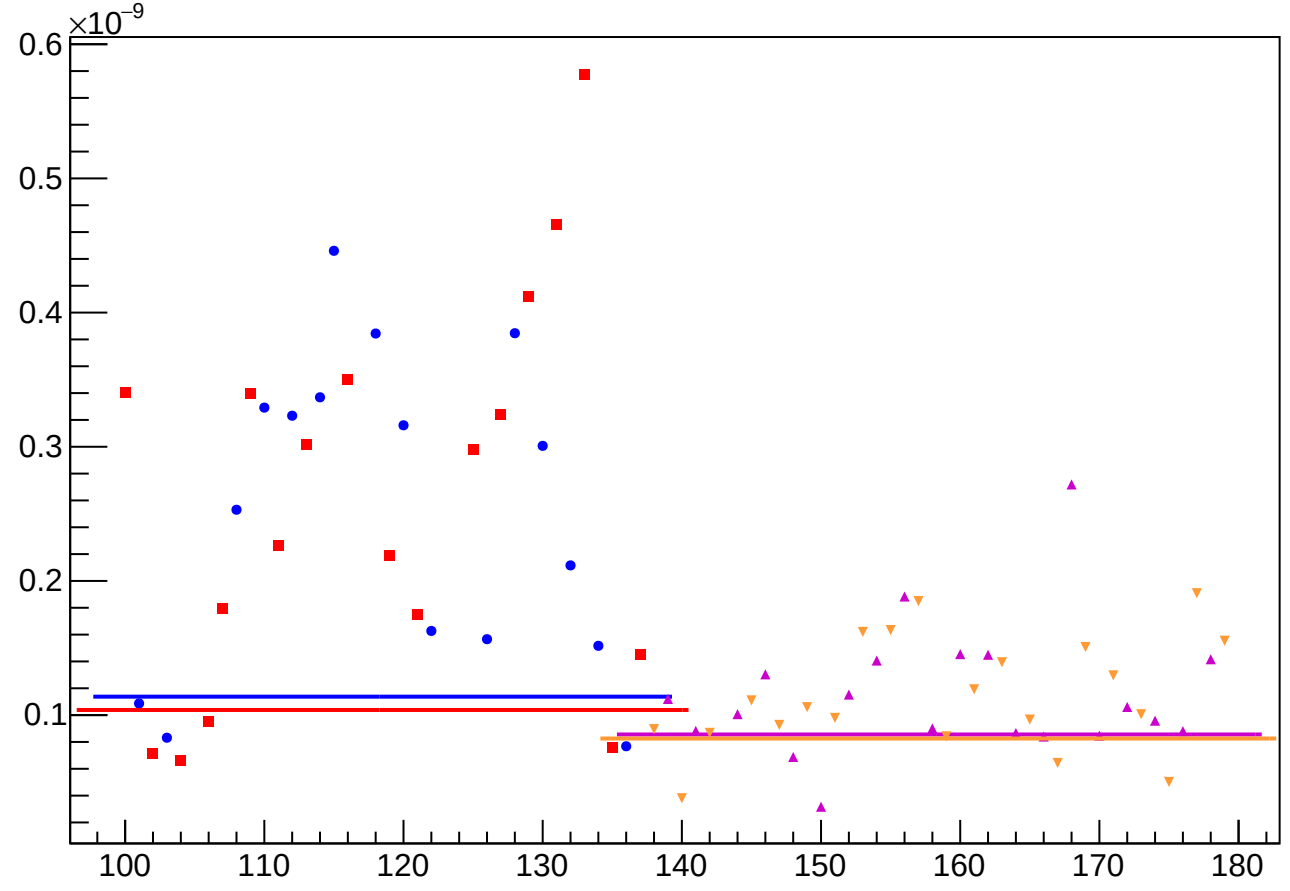
Right Out: 0.000+/-0.000 χ^2/NDF: 17.4/17

Left In: -0.000+/-0.000 χ^2/NDF:20.7/19

+ sign -0.000+/-0.000 χ^2/NDF: 30.6/36

All: -0.000+/-0.000 χ^2/NDF: 68.7/74

- sign 0.000+/-0.000 χ^2/NDF: 38.1/37



Right In: 0.000+/-0.000 χ^2/NDF: 1524807.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:2057884.6/20

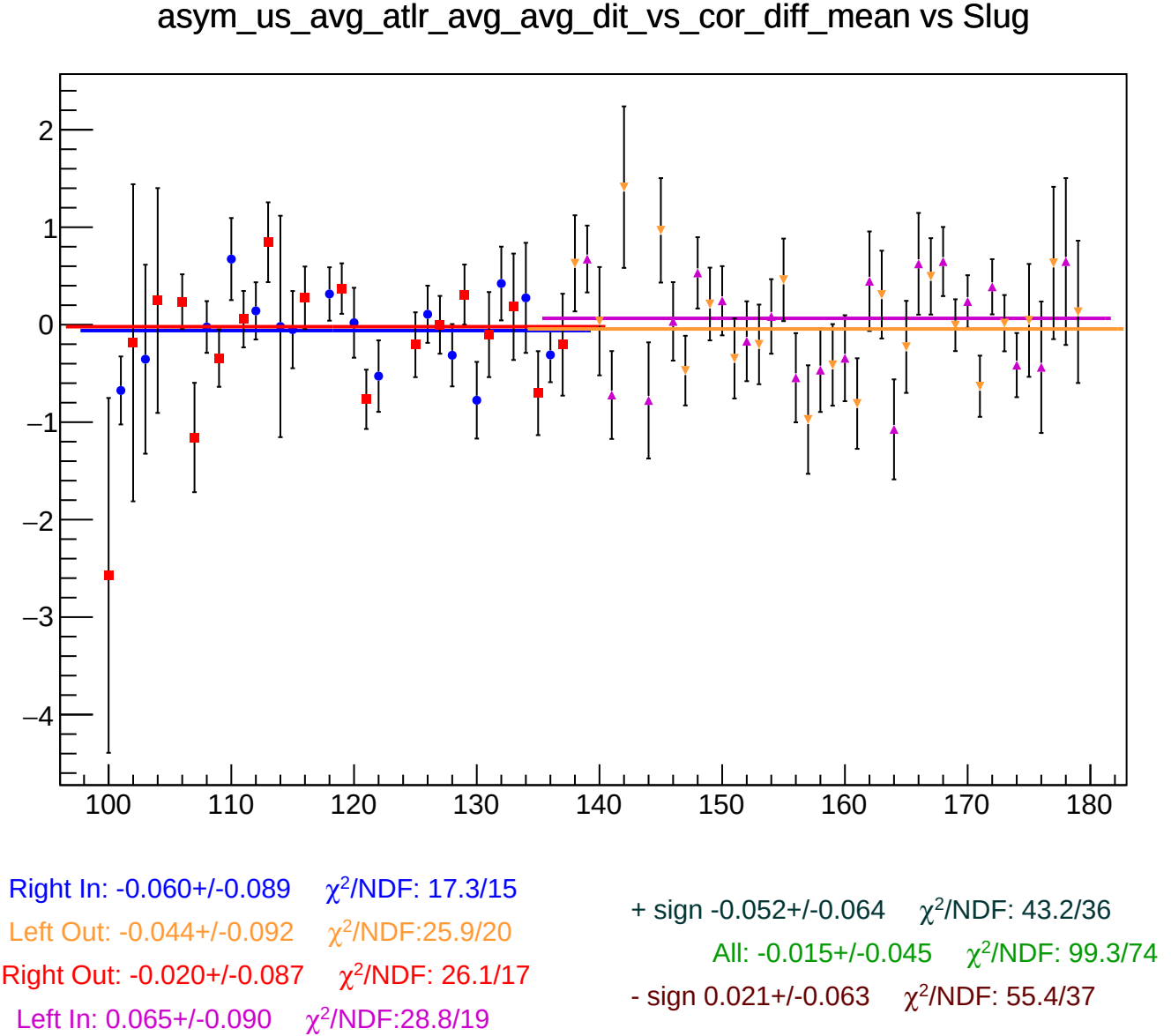
Right Out: 0.000+/-0.000 χ^2/NDF: 2087534.7/17

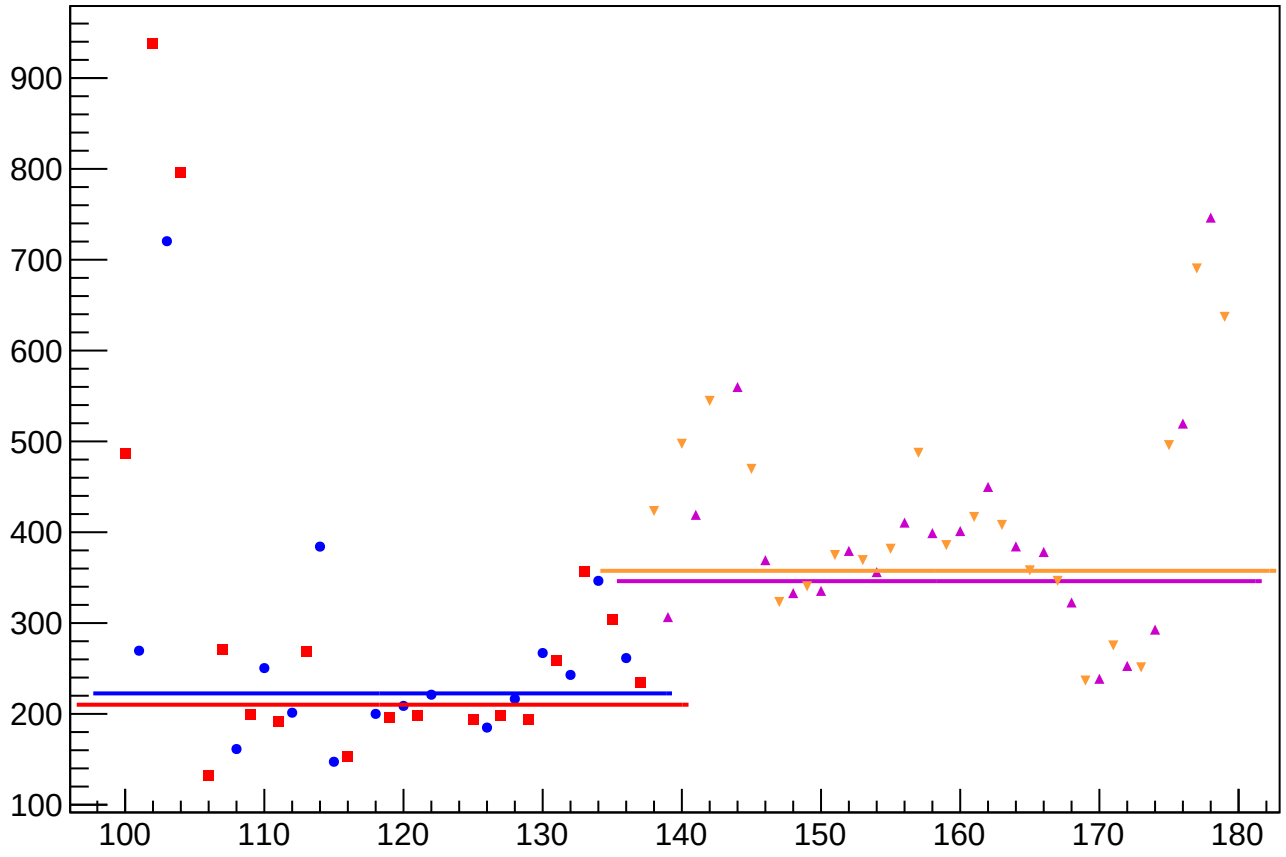
Left In: 0.000+/-0.000 χ^2/NDF:2031650.0/19

+ sign 0.000+/-0.000 χ^2/NDF: 3845025.3/36

All: 0.000+/-0.000 χ^2/NDF: 8054791.6/74

- sign 0.000+/-0.000 χ^2/NDF: 4209048.1/37


asym_us_avg_atlr_avg_avg_dit_vs_cor_diff_mean vs Slug
2
1
0
−1
−2
−3
−4
100
110
120
130
140
150
160
170
180
Right In: -0.060+/-0.089 χ²/NDF: 17.3/15
Left Out: -0.044+/-0.092 χ²/NDF:25.9/20
Right Out: -0.020+/-0.087 χ²/NDF: 26.1/17
Left In: 0.065+/-0.090 χ²/NDF:28.8/19
+ sign -0.052+/-0.064 χ²/NDF: 43.2/36
All: -0.015+/-0.045 χ²/NDF: 99.3/74
- sign 0.021+/-0.063 χ²/NDF: 55.4/37



Right In: 222.569+/-0.063 χ^2/NDF: 1018774.9/15

Left Out: 357.533+/-0.065 χ^2/NDF:2155831.2/20

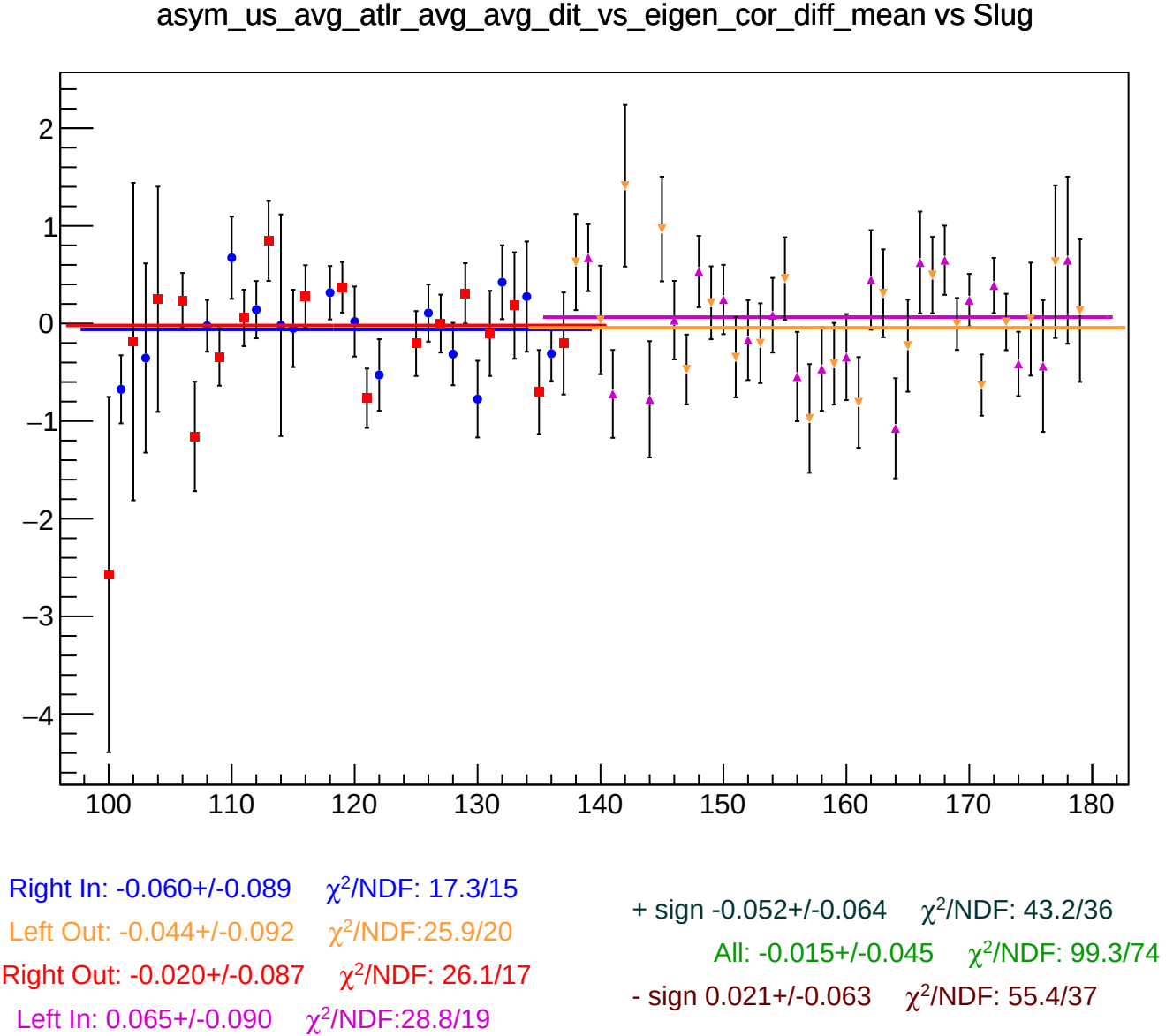
Right Out: 210.123+/-0.062 χ^2/NDF: 1548526.4/17

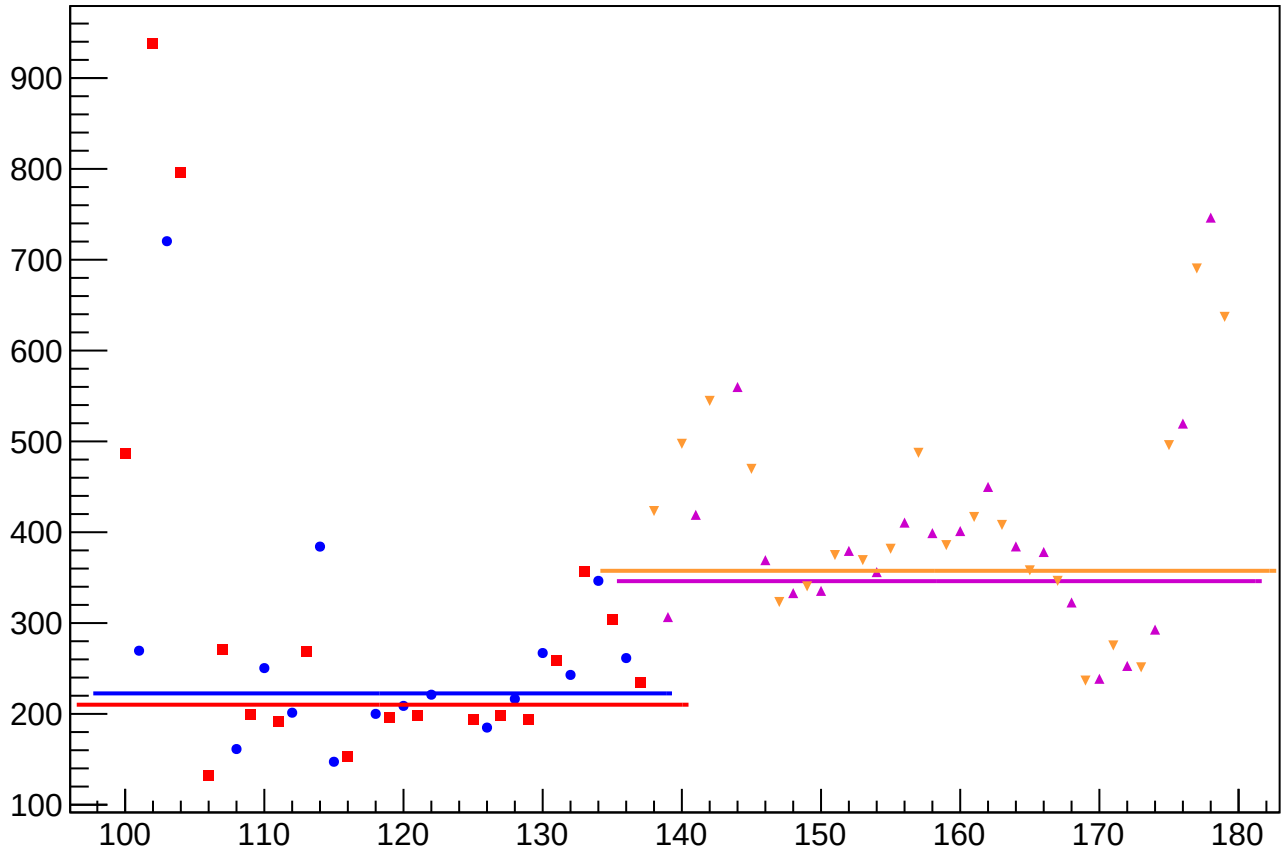
Left In: 346.152+/-0.063 χ^2/NDF:1730434.0/19

+ sign 287.262+/-0.045 χ^2/NDF: 5396254.1/36

All: 281.708+/-0.032 χ^2/NDF: 11063191.2/74

- sign 276.387+/-0.044 χ^2/NDF: 5637417.4/37


asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug
2
1
0
−1
−2
−3
−4
100
110
120
130
140
150
160
170
180
Right In: -0.060+/-0.089 χ²/NDF: 17.3/15
Left Out: -0.044+/-0.092 χ²/NDF:25.9/20
Right Out: -0.020+/-0.087 χ²/NDF: 26.1/17
Left In: 0.065+/-0.090 χ²/NDF:28.8/19
+ sign -0.052+/-0.064 χ²/NDF: 43.2/36
All: -0.015+/-0.045 χ²/NDF: 99.3/74
- sign 0.021+/-0.063 χ²/NDF: 55.4/37



Right In: 222.569+/-0.063 χ^2/NDF: 1018774.9/15

Left Out: 357.533+/-0.065 χ^2/NDF:2155831.2/20

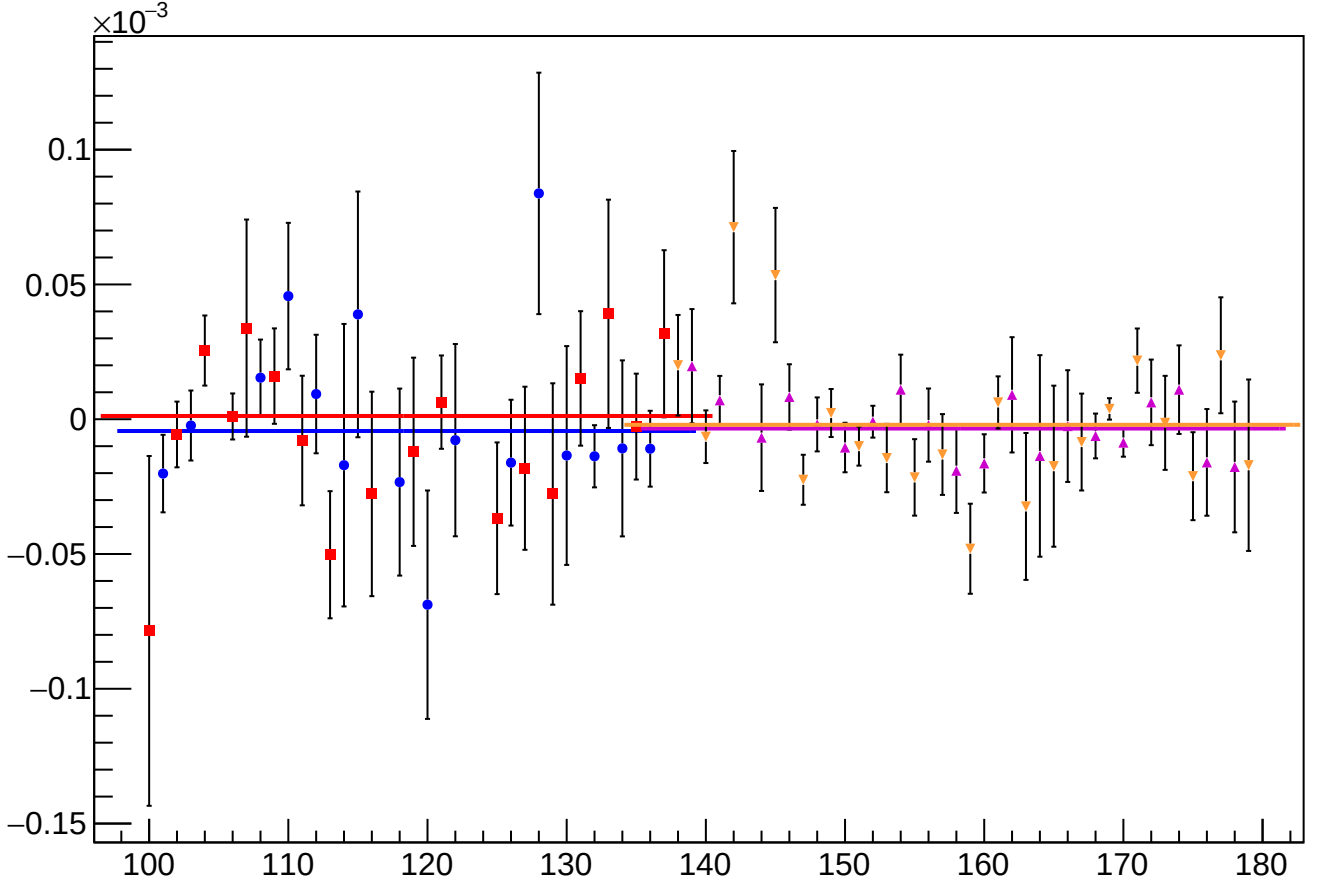
Right Out: 210.123+/-0.062 χ^2/NDF: 1548526.4/17

Left In: 346.152+/-0.063 χ^2/NDF:1730434.0/19

+ sign 287.262+/-0.045 χ^2/NDF: 5396254.1/36

All: 281.708+/-0.032 χ^2/NDF: 11063191.2/74

- sign 276.387+/-0.044 χ^2/NDF: 5637417.4/37



Right In: -0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:42.1/20

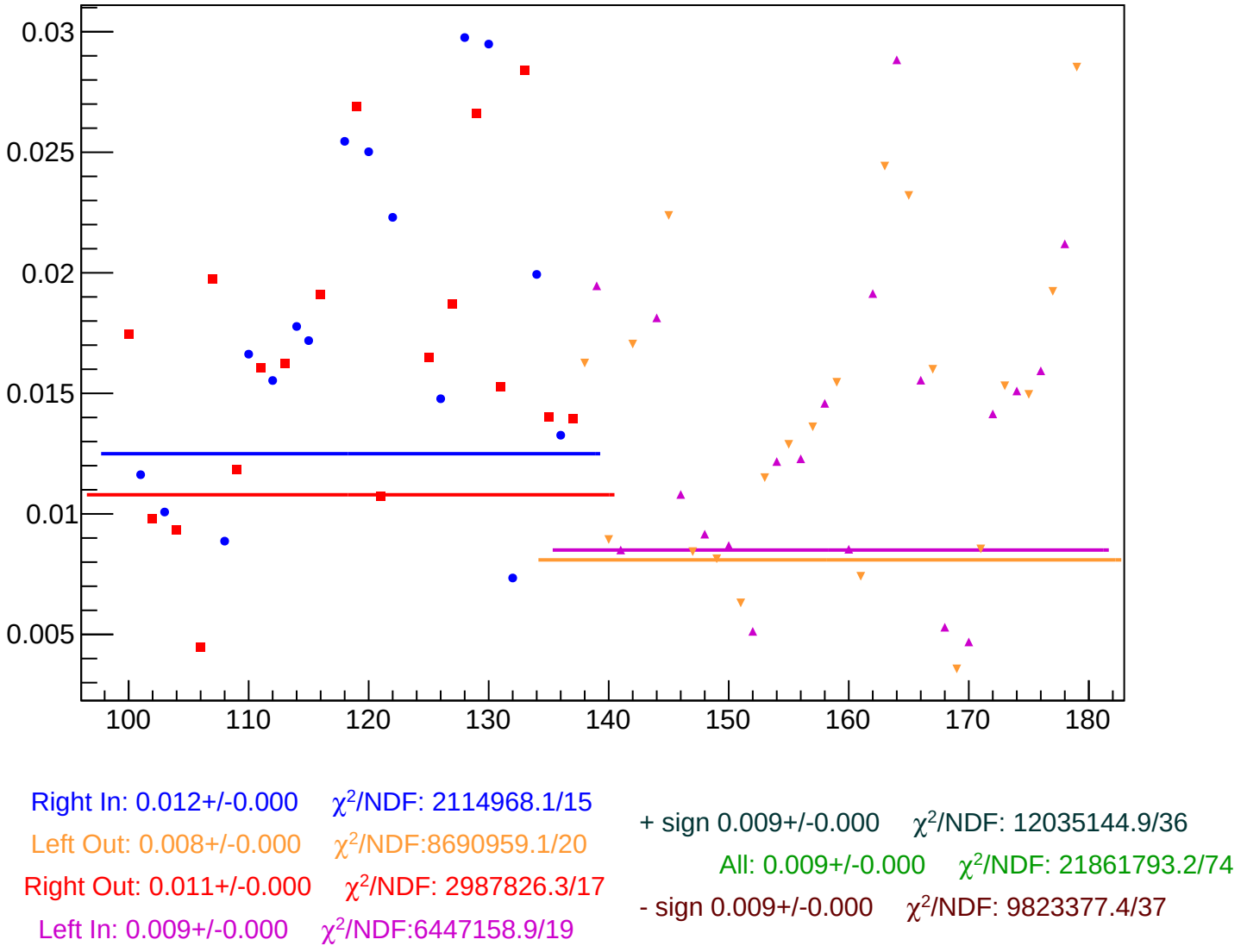
Right Out: 0.000+/-0.000 χ^2/NDF: 17.2/17

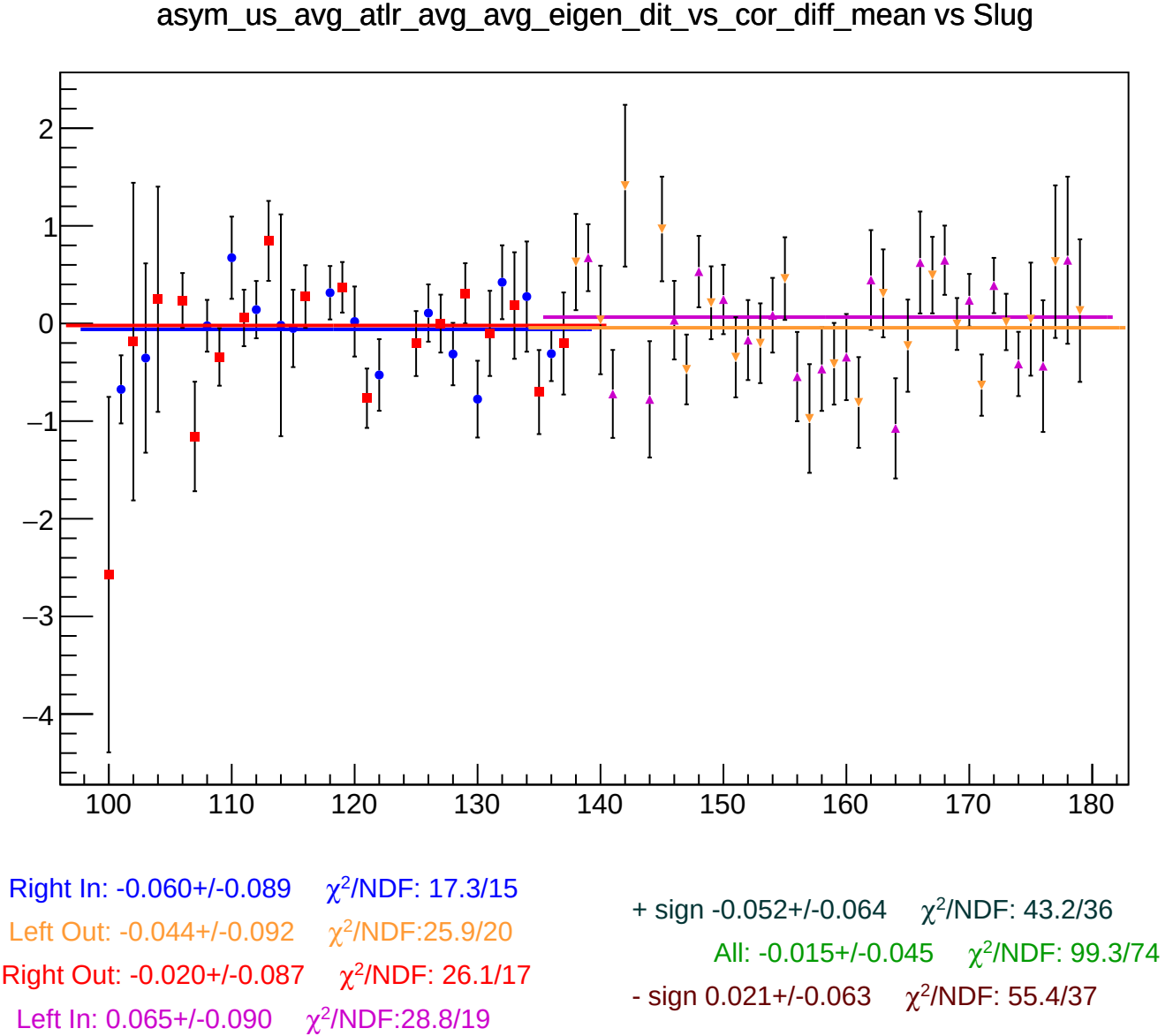
Left In: -0.000+/-0.000 χ^2/NDF:11.4/19

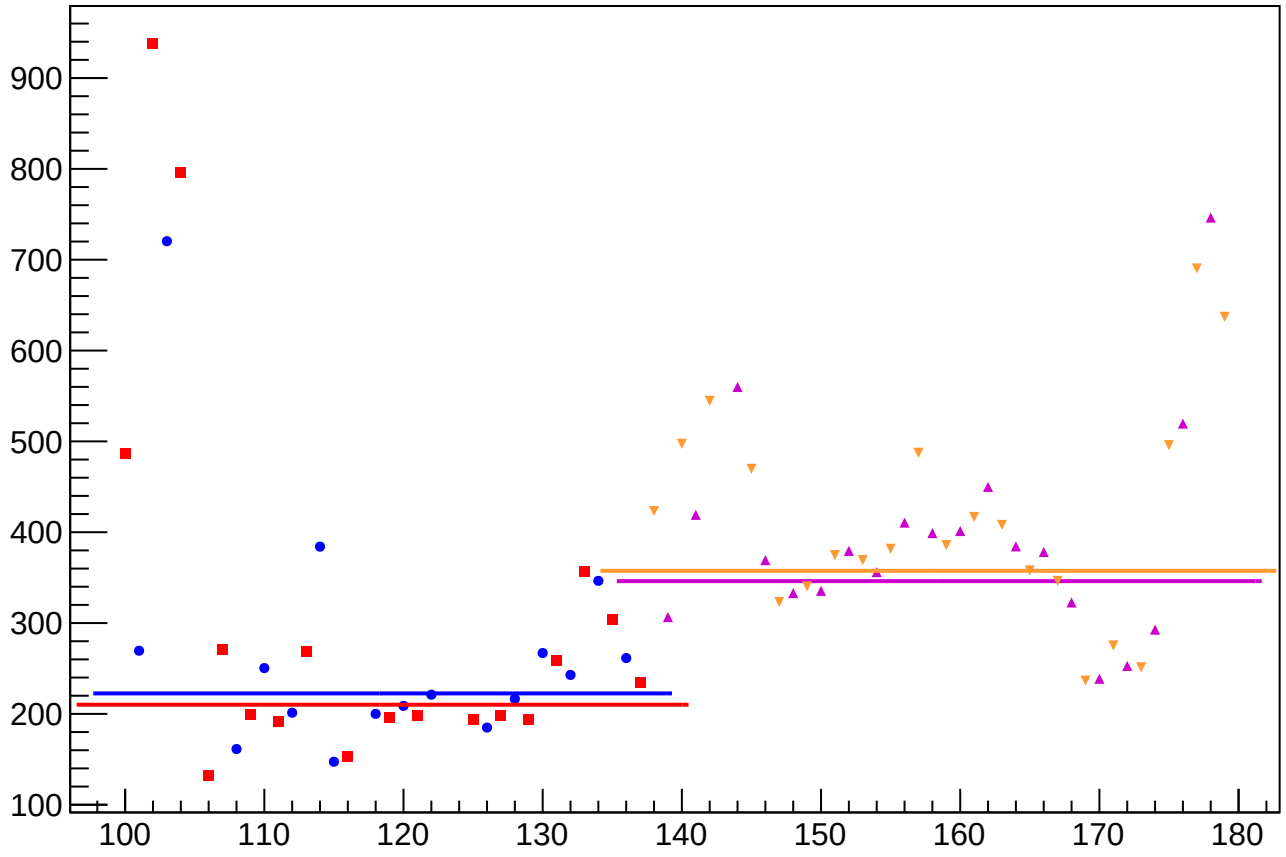
+ sign -0.000+/-0.000 χ^2/NDF: 57.9/36

All: -0.000+/-0.000 χ^2/NDF: 87.3/74

- sign -0.000+/-0.000 χ^2/NDF: 29.4/37


asym_us_avg_atlr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.03
0.025
0.02
0.015
0.01
0.005
100
110
120
130
140
150
160
170
180
Right In: 0.012+/-0.000 χ²/NDF: 2114968.1/15
Left Out: 0.008+/-0.000 χ²/NDF:8690959.1/20
Right Out: 0.011+/-0.000 χ²/NDF: 2987826.3/17
Left In: 0.009+/-0.000 χ²/NDF:6447158.9/19
+ sign 0.009+/-0.000 χ²/NDF: 12035144.9/36
All: 0.009+/-0.000 χ²/NDF: 21861793.2/74
- sign 0.009+/-0.000 χ²/NDF: 9823377.4/37


asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug
2
1
0
−1
−2
−3
−4
100
110
120
130
140
150
160
170
180
Right In: -0.060+/-0.089 χ²/NDF: 17.3/15
Left Out: -0.044+/-0.092 χ²/NDF:25.9/20
Right Out: -0.020+/-0.087 χ²/NDF: 26.1/17
Left In: 0.065+/-0.090 χ²/NDF:28.8/19
+ sign -0.052+/-0.064 χ²/NDF: 43.2/36
All: -0.015+/-0.045 χ²/NDF: 99.3/74
- sign 0.021+/-0.063 χ²/NDF: 55.4/37



Right In: 222.567+/-0.063 χ^2/NDF: 1018760.3/15

Left Out: 357.533+/-0.065 χ^2/NDF:2156039.9/20

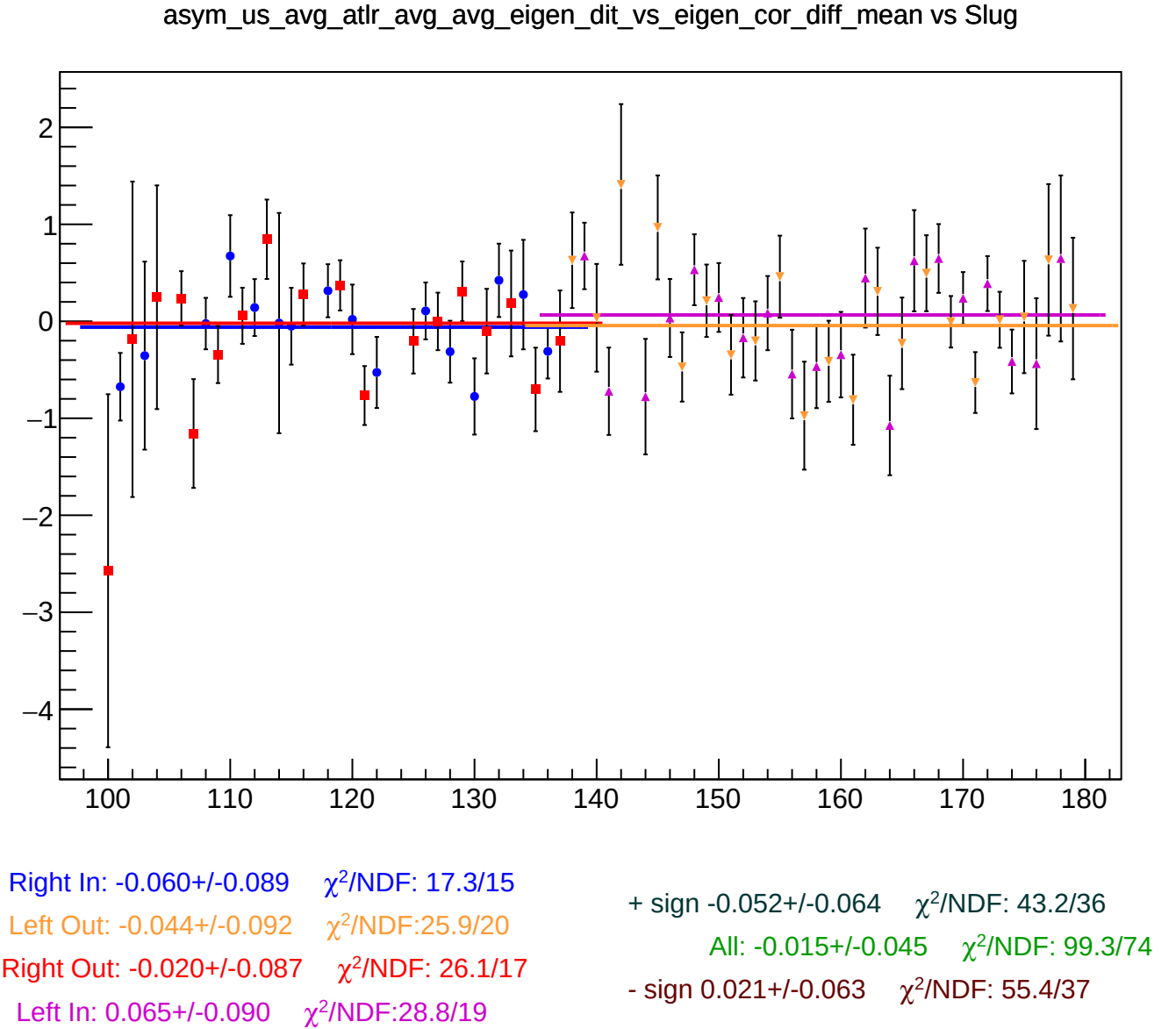
Right Out: 210.120+/-0.062 χ^2/NDF: 1548507.5/17

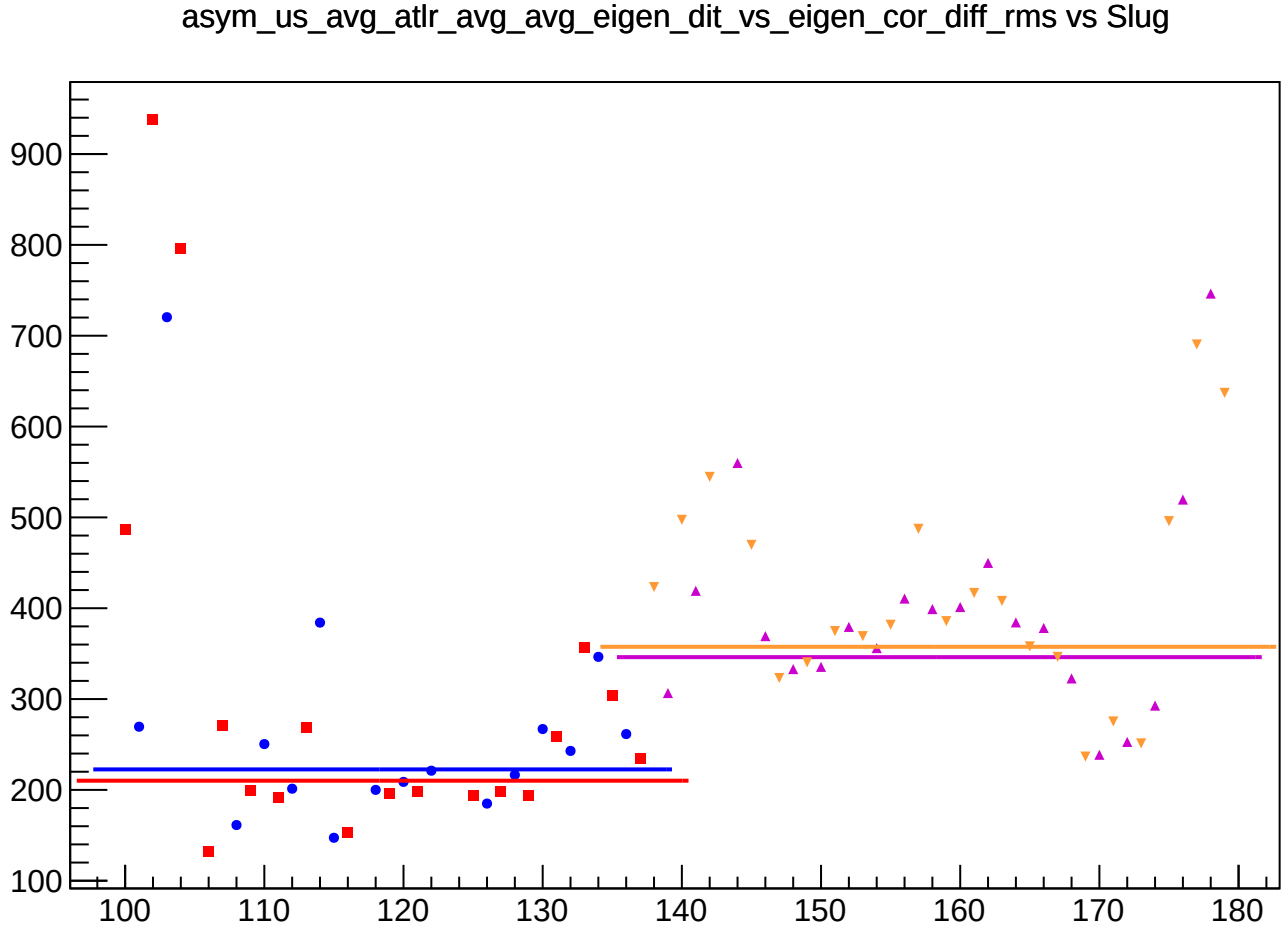
Left In: 346.153+/-0.063 χ^2/NDF:1730583.4/19

+ sign 287.261+/-0.045 χ^2/NDF: 5396520.1/36

All: 281.706+/-0.032 χ^2/NDF: 11063740.8/74

- sign 276.385+/-0.044 χ^2/NDF: 5637699.3/37


asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
2
1
0
−1
−2
−3
−4
100
110
120
130
140
150
160
170
180
Right In: -0.060+/-0.089 χ²/NDF: 17.3/15
Left Out: -0.044+/-0.092 χ²/NDF:25.9/20
Right Out: -0.020+/-0.087 χ²/NDF: 26.1/17
Left In: 0.065+/-0.090 χ²/NDF:28.8/19
+ sign -0.052+/-0.064 χ²/NDF: 43.2/36
All: -0.015+/-0.045 χ²/NDF: 99.3/74
- sign 0.021+/-0.063 χ²/NDF: 55.4/37



Right In: 222.567+/-0.063 χ^2/NDF: 1018760.3/15

Left Out: 357.533+/-0.065 χ^2/NDF:2156039.9/20

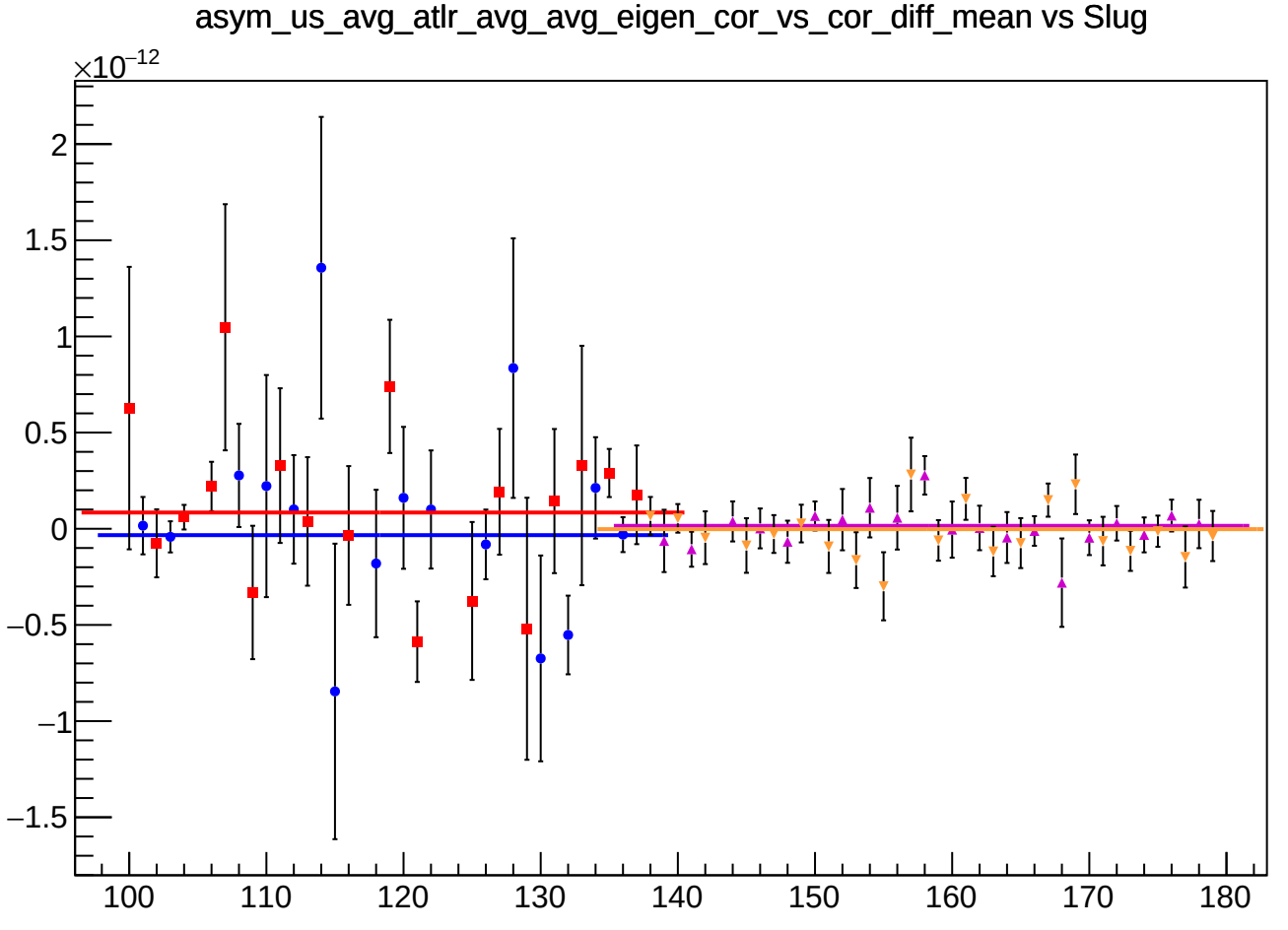
Right Out: 210.120+/-0.062 χ^2/NDF: 1548507.5/17

Left In: 346.153+/-0.063 χ^2/NDF:1730583.4/19

+ sign 287.261+/-0.045 χ^2/NDF: 5396520.1/36

All: 281.706+/-0.032 χ^2/NDF: 11063740.8/74

- sign 276.385+/-0.044 χ^2/NDF: 5637699.3/37



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.5/20

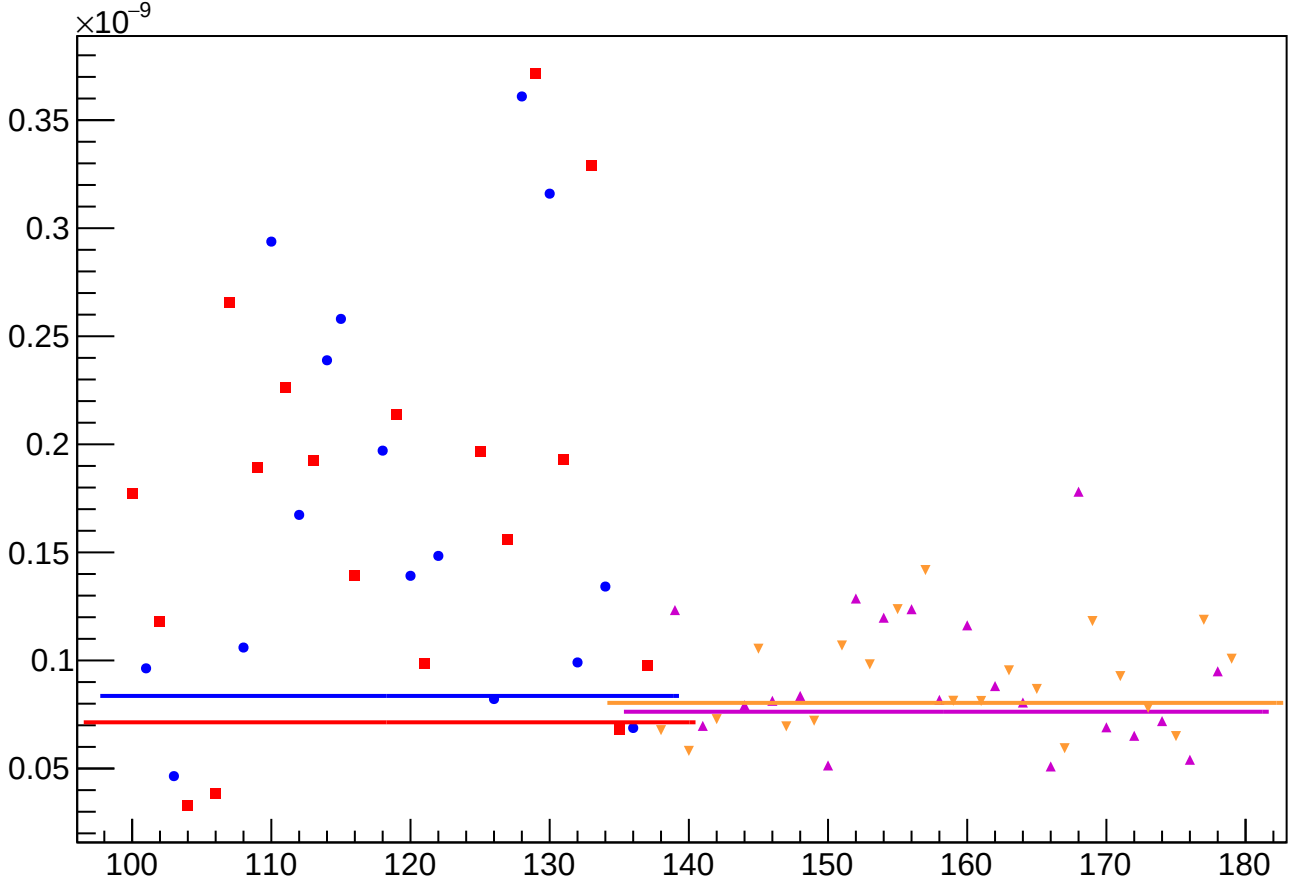
Right Out: 0.000+/-0.000 χ^2/NDF: 25.8/17

Left In: 0.000+/-0.000 χ^2/NDF:13.7/19

+ sign -0.000+/-0.000 χ^2/NDF: 37.1/36

All: 0.000+/-0.000 χ^2/NDF: 80.2/74

- sign 0.000+/-0.000 χ^2/NDF: 41.4/37



Right In: 0.000+/-0.000 χ^2/NDF: 2235431.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1277555.2/20

Right Out: 0.000+/-0.000 χ^2/NDF: 3745180.4/17

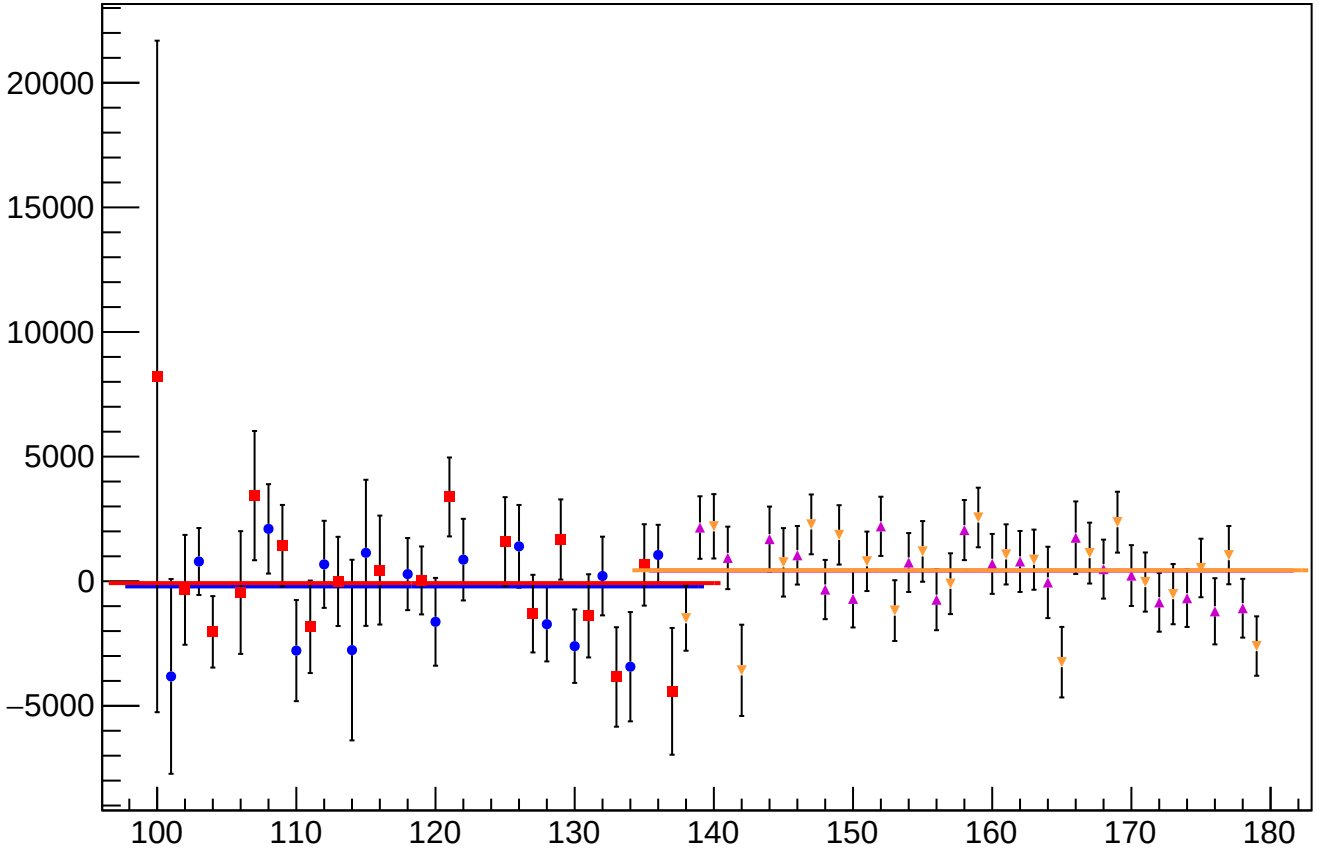
Left In: 0.000+/-0.000 χ^2/NDF:1973209.3/19

+ sign 0.000+/-0.000 χ^2/NDF: 3520267.4/36

All: 0.000+/-0.000 χ^2/NDF: 9333133.1/74

- sign 0.000+/-0.000 χ^2/NDF: 5737300.7/37

reg_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -208.338+/-429.155 χ^2/NDF: 14.8/15

Left Out: 439.095+/-271.052 χ^2/NDF:35.8/20

Right Out: -75.616+/-430.760 χ^2/NDF: 20.7/17

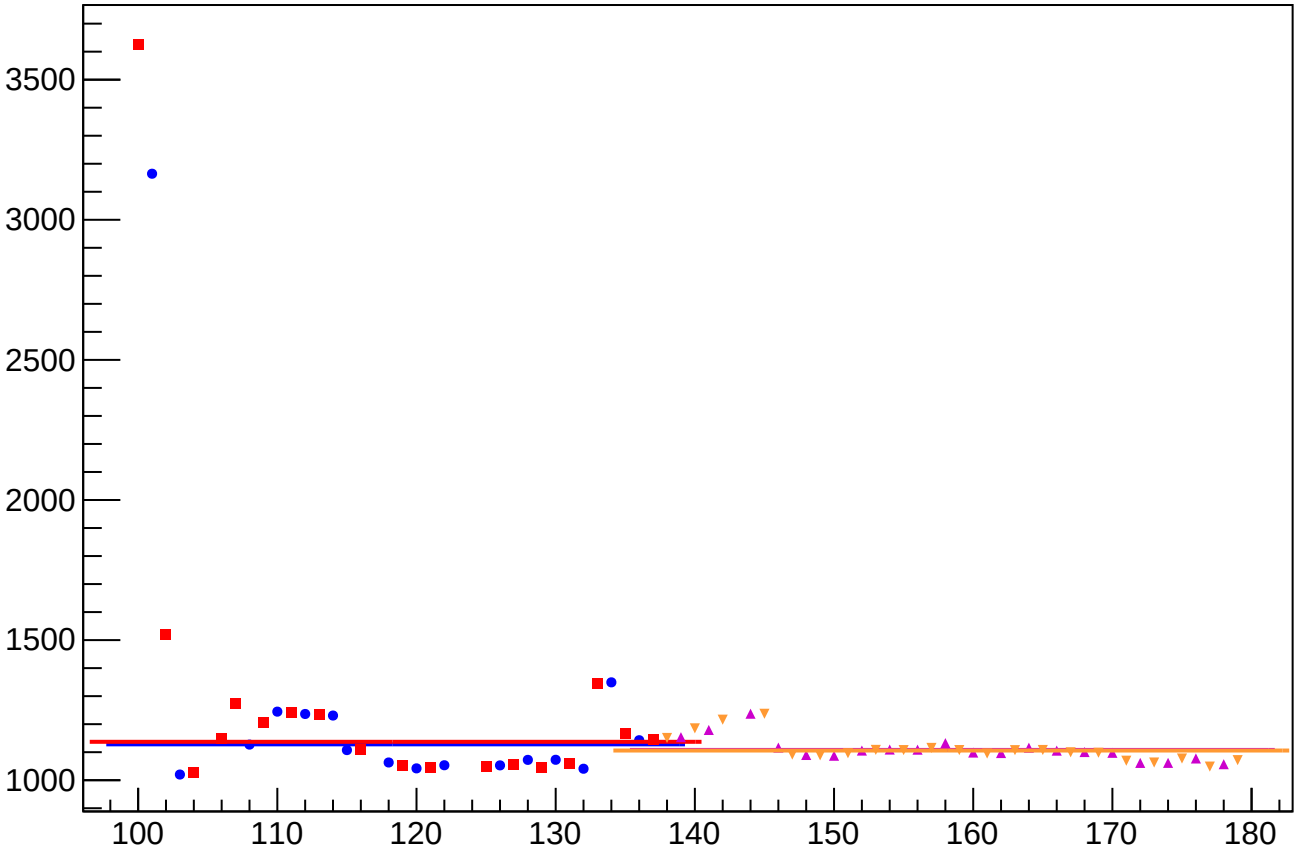
Left In: 427.251+/-274.258 χ^2/NDF:16.0/19

\+ sign 254.474+/-229.170 χ^2/NDF: 52.2/36

All: 268.208+/-162.812 χ^2/NDF: 89.9/74

\- sign 282.204+/-231.347 χ^2/NDF: 37.7/37

reg_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1128.007+/-0.303 χ^2/NDF: 621394.5/15

Left Out: 1105.929+/-0.192 χ^2/NDF:48675.0/20

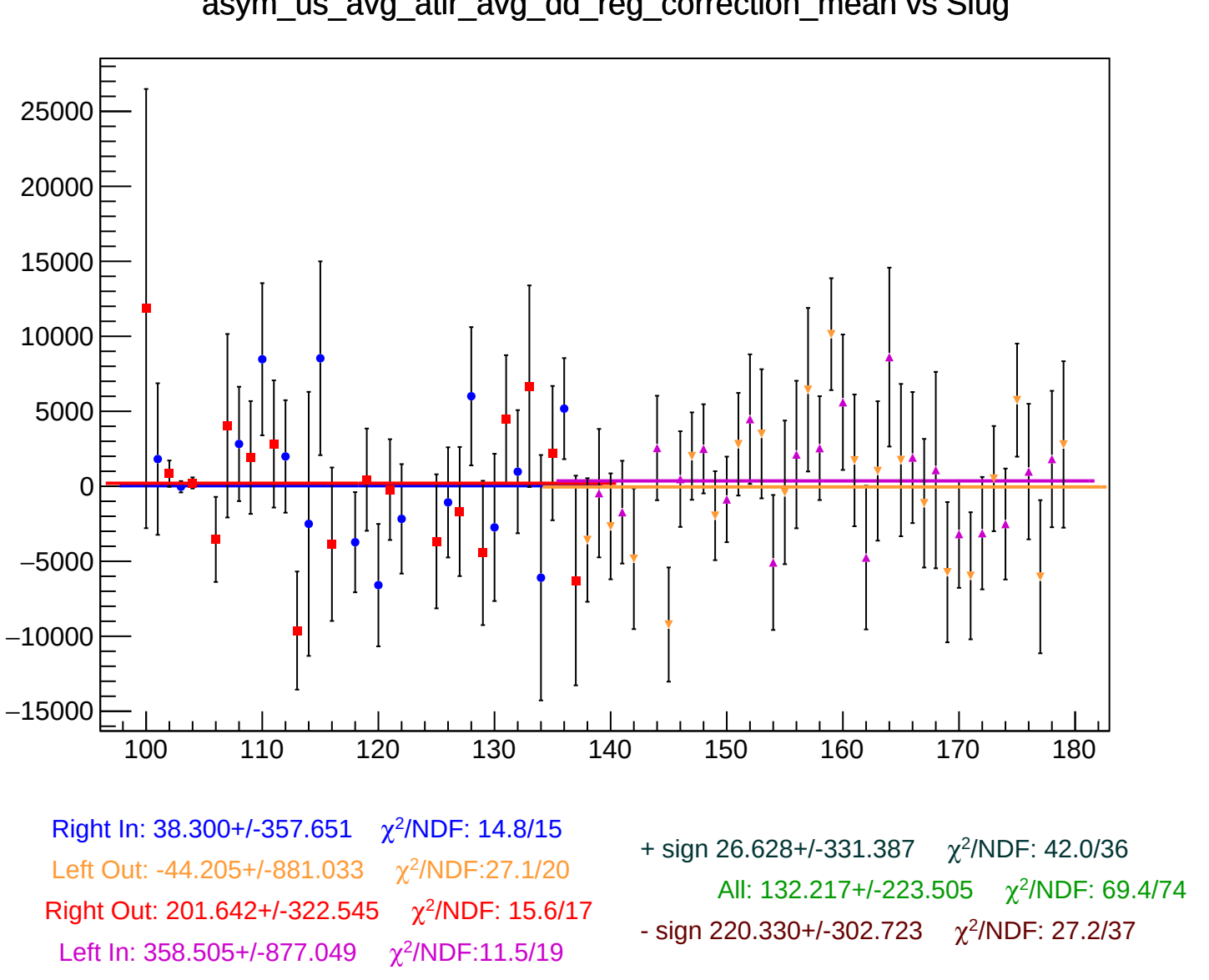
Right Out: 1137.041+/-0.304 χ^2/NDF: 220086.1/17

Left In: 1108.037+/-0.194 χ^2/NDF:42411.4/19

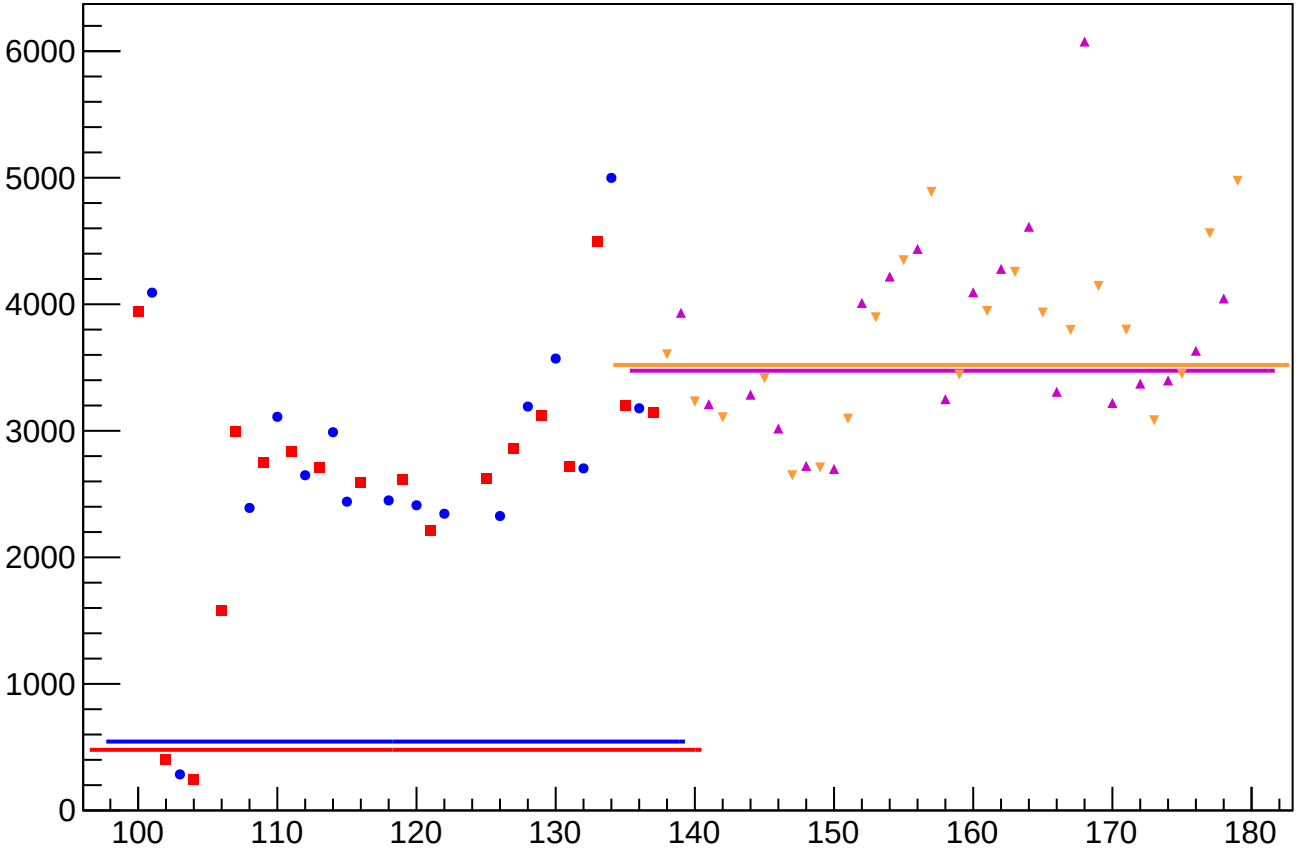
+ sign 1112.225+/-0.162 χ^2/NDF: 673853.5/36

All: 1114.306+/-0.115 χ^2/NDF: 943152.7/74

- sign 1116.425+/-0.164 χ^2/NDF: 268966.2/37


asym_us_avg_atlr_avg_dd_reg_correction_mean vs Slug
25000
20000
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
180
Right In: 38.300+/-357.651 χ²/NDF: 14.8/15
Left Out: -44.205+/-881.033 χ²/NDF:27.1/20
Right Out: 201.642+/-322.545 χ²/NDF: 15.6/17
Left In: 358.505+/-877.049 χ²/NDF:11.5/19
+ sign 26.628+/-331.387 χ²/NDF: 42.0/36
All: 132.217+/-223.505 χ²/NDF: 69.4/74
- sign 220.330+/-302.723 χ²/NDF: 27.2/37

asym_us_avg_atlr_avg_dd_reg_correction_rms vs Slug



Right In: 544.336+/-0.253 χ^2/NDF: 9682967.9/15

Left Out: 3520.052+/-0.623 χ^2/NDF:978938.5/20

Right Out: 479.253+/-0.228 χ^2/NDF: 9187985.0/17

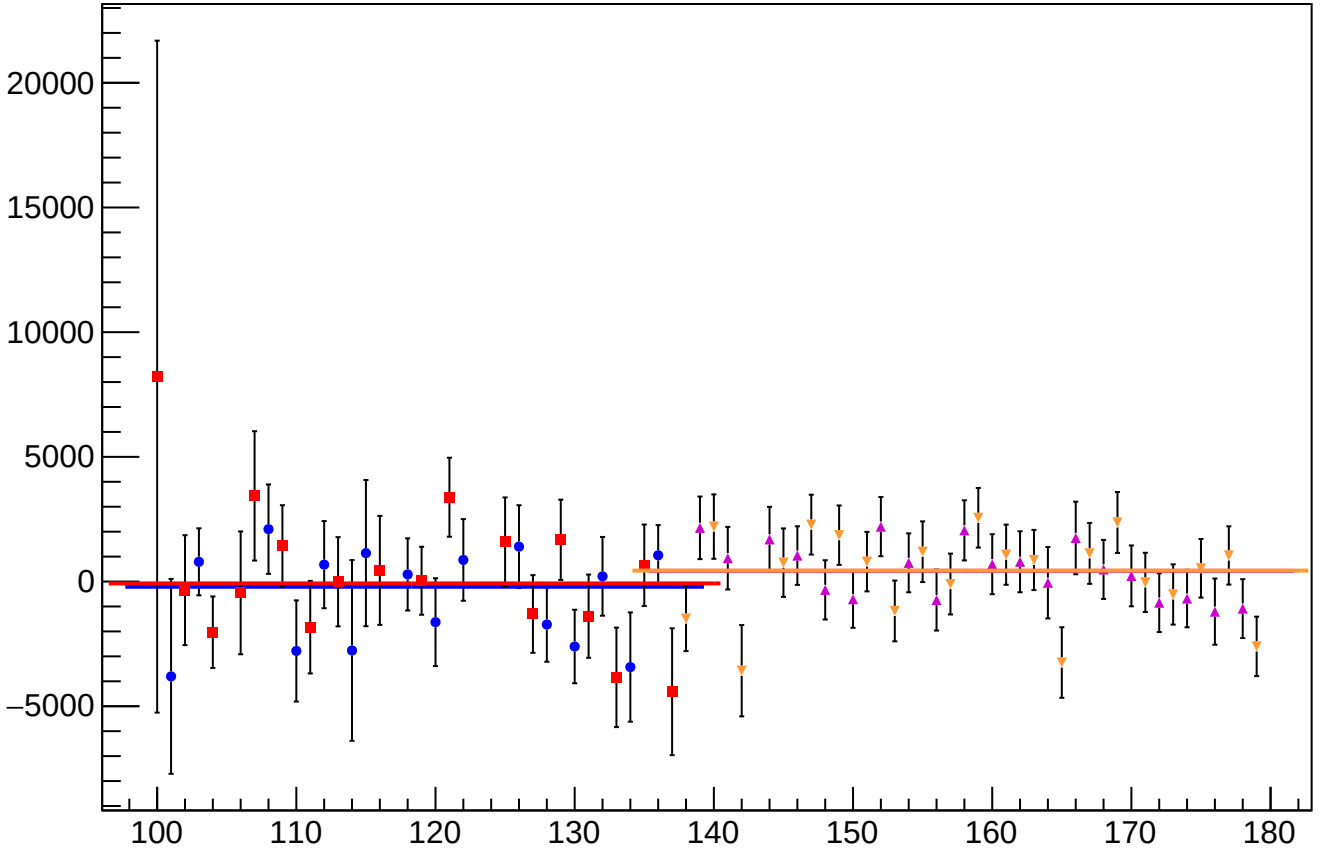
Left In: 3475.121+/-0.620 χ^2/NDF:1060224.3/19

+ sign 965.333+/-0.234 χ^2/NDF: 30249478.5/36

All: 894.923+/-0.158 χ^2/NDF: 61219231.2/74

- sign 836.167+/-0.214 χ^2/NDF: 30804123.9/37

cor_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -208.110+/-429.155 χ^2/NDF: 14.8/15

Left Out: 439.171+/-271.052 χ^2/NDF:35.8/20

Right Out: -75.761+/-430.760 χ^2/NDF: 20.7/17

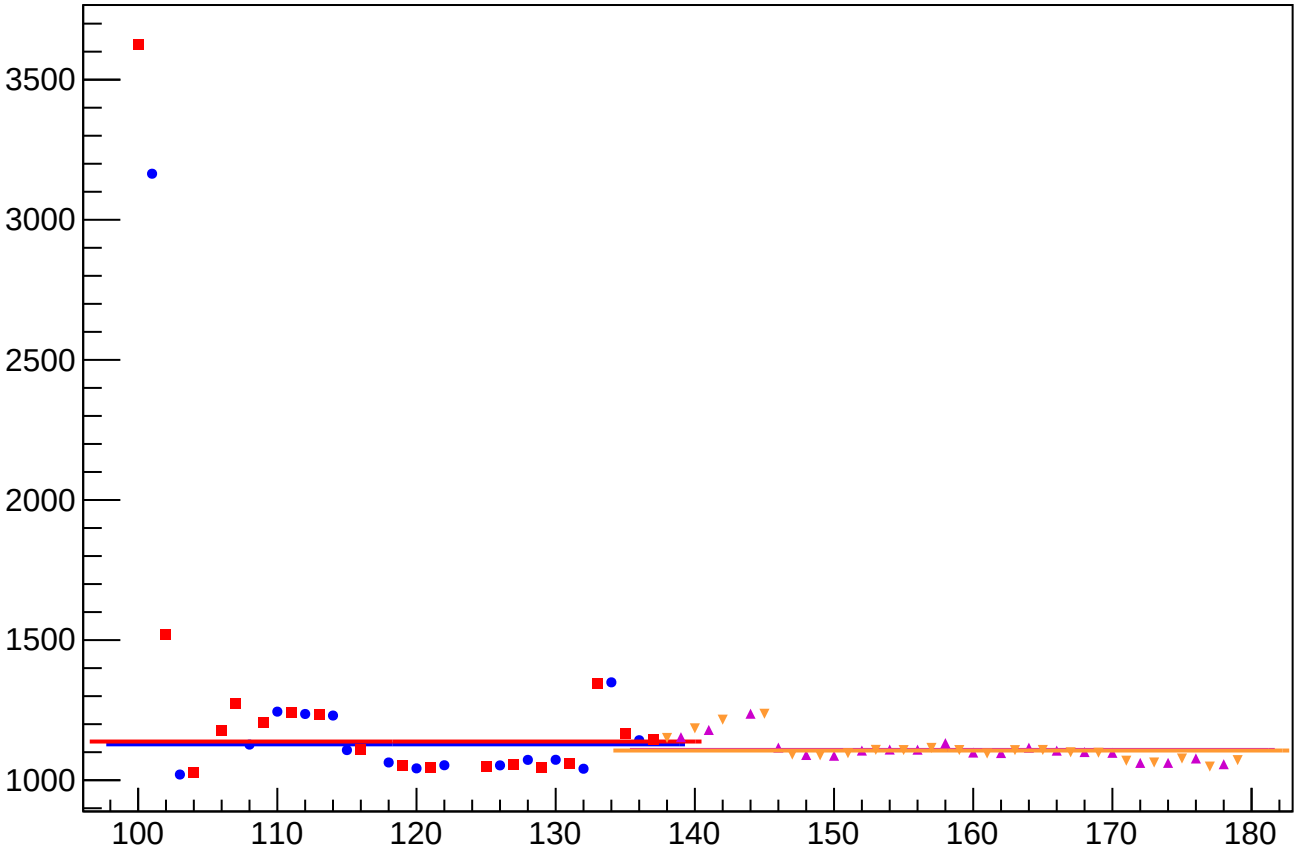
Left In: 427.236+/-274.258 χ^2/NDF:16.0/19

\+ sign 254.593+/-229.170 χ^2/NDF: 52.2/36

All: 268.242+/-162.812 χ^2/NDF: 89.9/74

\- sign 282.151+/-231.347 χ^2/NDF: 37.7/37

cor_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1128.007+/-0.303 χ^2/NDF: 621395.6/15

Left Out: 1105.929+/-0.192 χ^2/NDF:48675.0/20

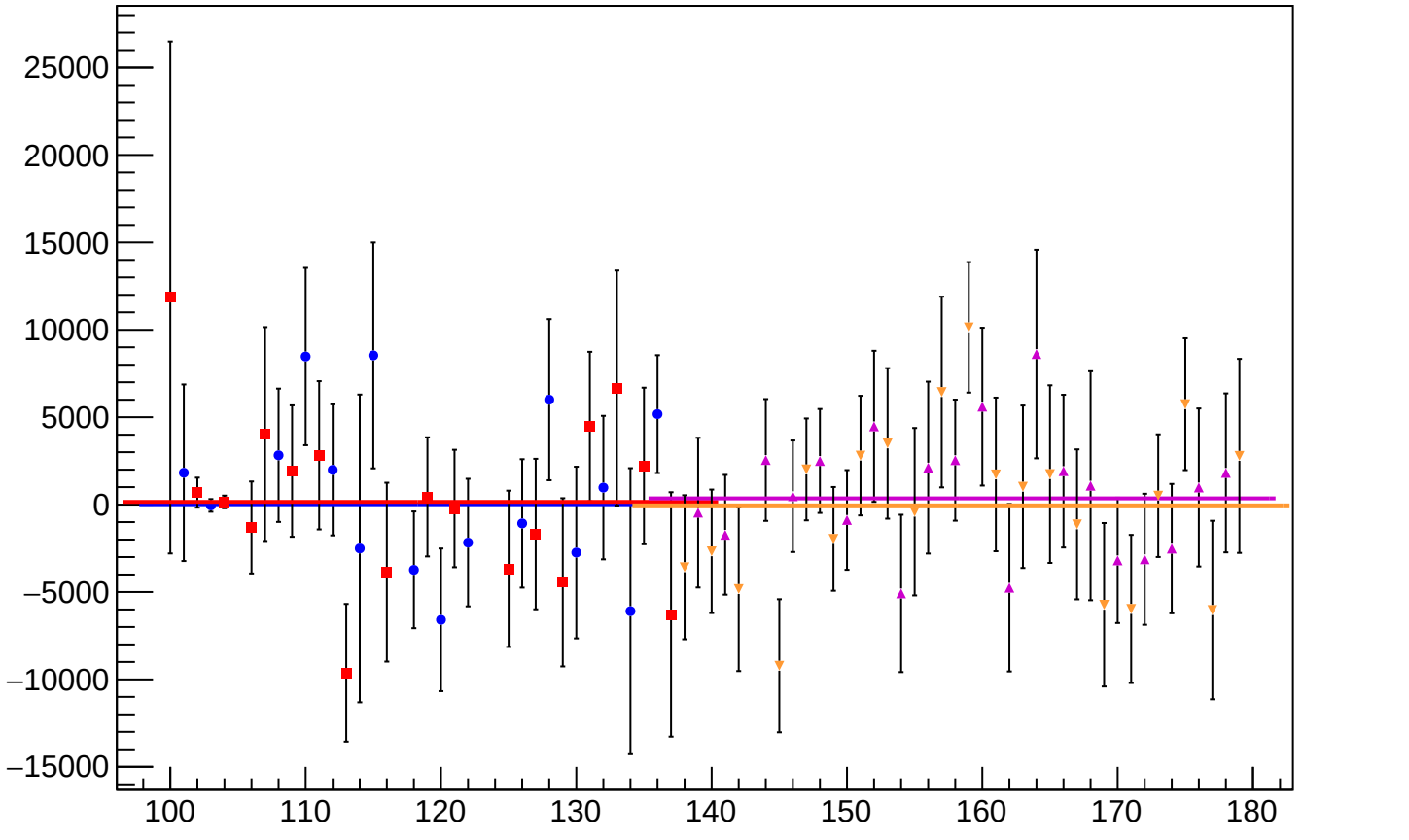
Right Out: 1138.000+/-0.304 χ^2/NDF: 220624.5/17

Left In: 1108.037+/-0.194 χ^2/NDF:42411.4/19

+ sign 1112.225+/-0.162 χ^2/NDF: 673854.6/36

All: 1114.435+/-0.115 χ^2/NDF: 944156.8/74

- sign 1116.686+/-0.164 χ^2/NDF: 269926.7/37



Right In: 21.645+/-344.525 χ^2/NDF: 14.9/15

Left Out: -44.149+/-881.033 χ^2/NDF:27.1/20

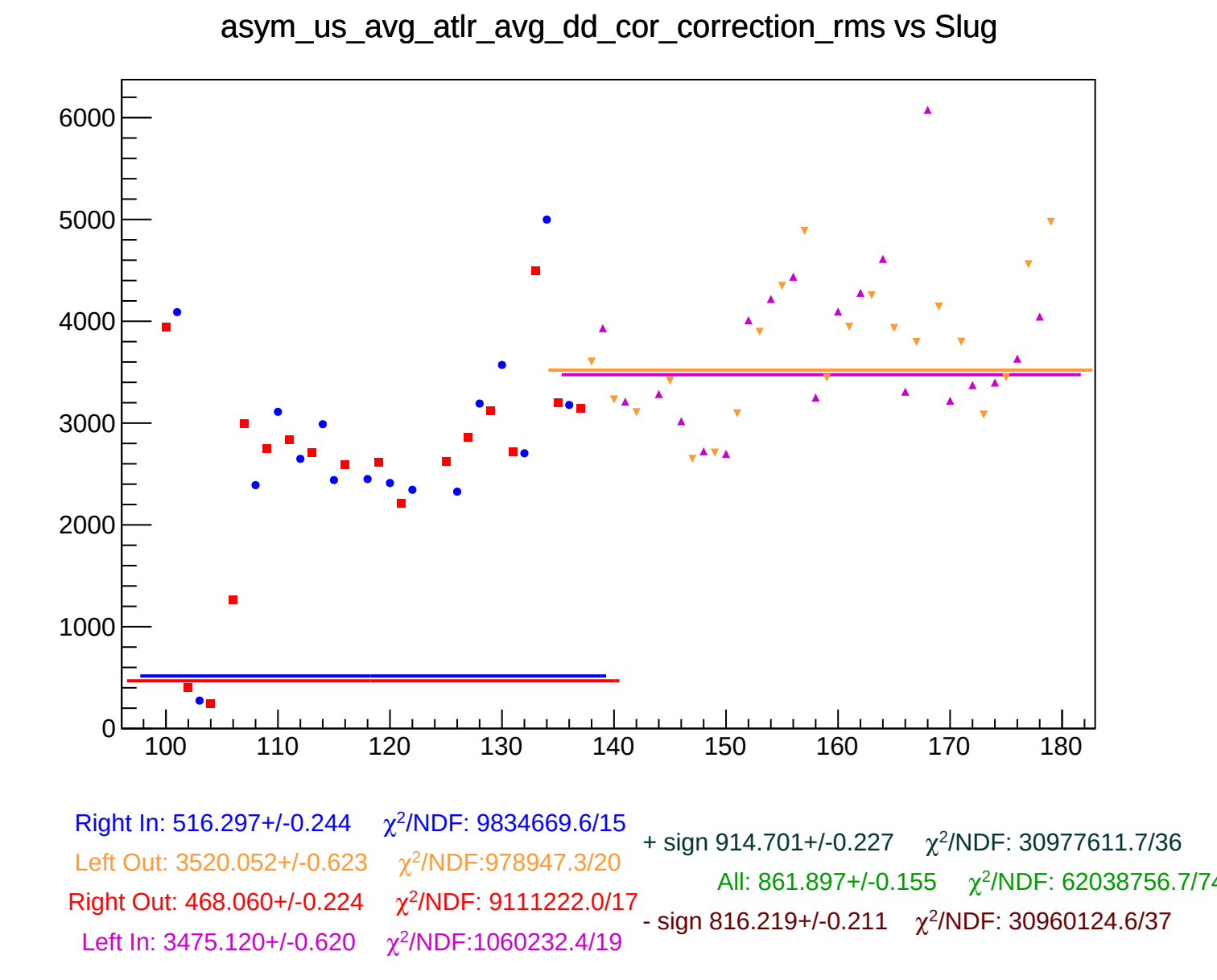
Right Out: 156.231+/-317.367 χ^2/NDF: 14.0/17

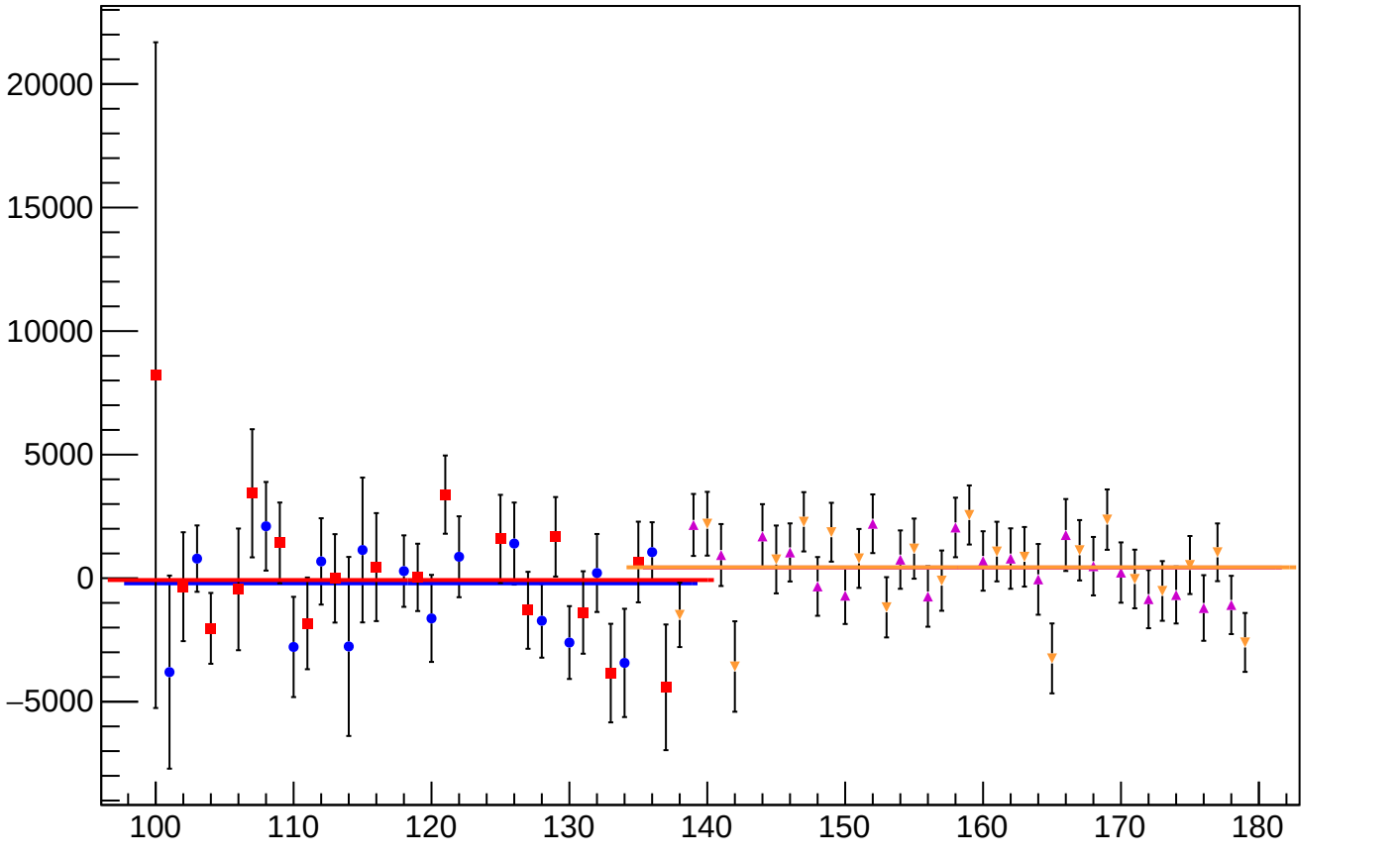
Left In: 358.531+/-877.049 χ^2/NDF:11.5/19

\+ sign 12.919+/-320.865 χ^2/NDF: 42.0/36

All: 102.318+/-218.523 χ^2/NDF: 67.7/74

\- sign 179.653+/-298.430 χ^2/NDF: 25.6/37


asym_us_avg_atlr_avg_dd_cor_correction_rms vs Slug
6000
5000
4000
3000
2000
1000
0
100
110
120
130
140
150
160
170
180
Right In: 516.297+/-0.244 χ²/NDF: 9834669.6/15
Left Out: 3520.052+/-0.623 χ²/NDF:978947.3/20
Right Out: 468.060+/-0.224 χ²/NDF: 9111222.0/17
Left In: 3475.120+/-0.620 χ²/NDF:1060232.4/19
+ sign 914.701+/-0.227 χ²/NDF: 30977611.7/36
All: 861.897+/-0.155 χ²/NDF: 62038756.7/74
- sign 816.219+/-0.211 χ²/NDF: 30960124.6/37



Right In: -208.110+/-429.155 χ^2/NDF: 14.8/15

Left Out: 439.171+/-271.052 χ^2/NDF:35.8/20

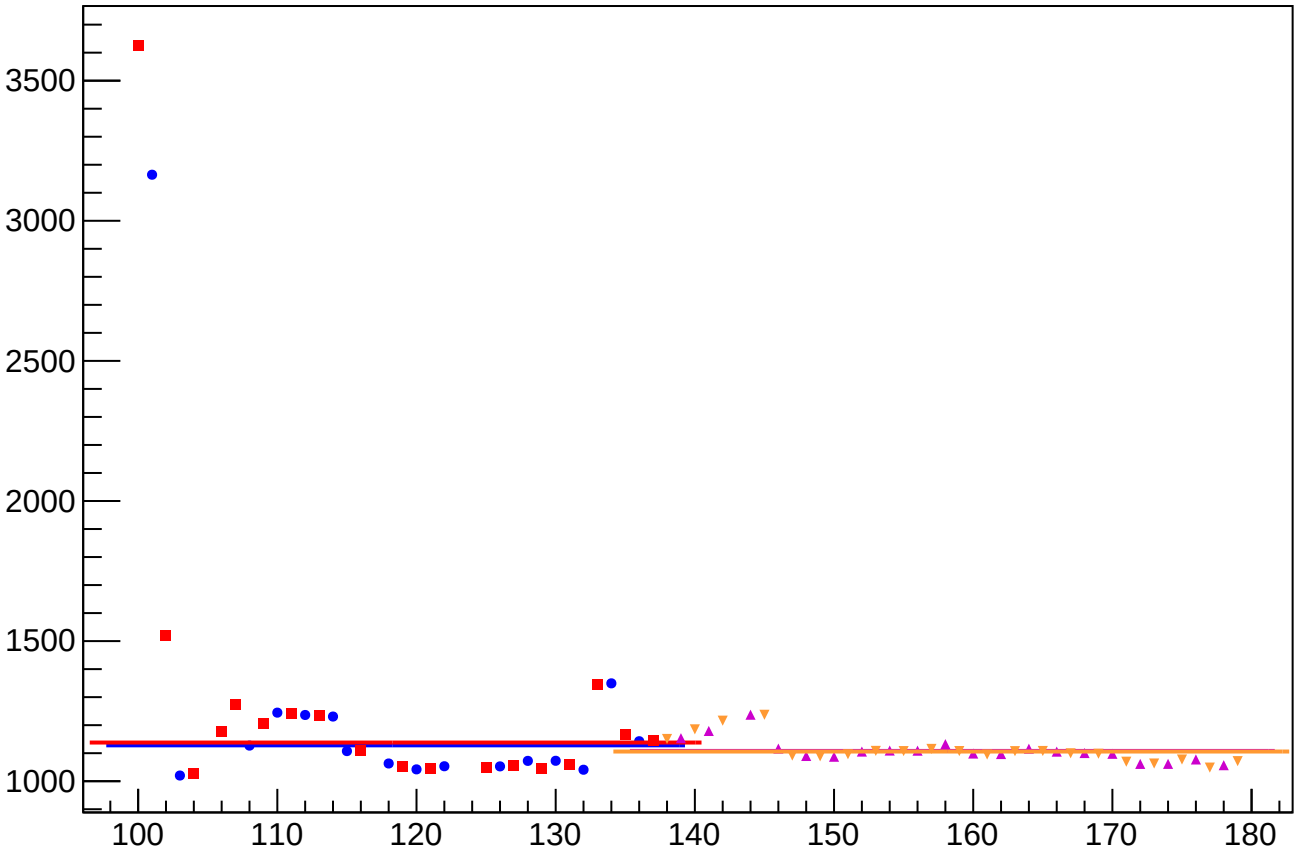
Right Out: -75.761+/-430.760 χ^2/NDF: 20.7/17

Left In: 427.236+/-274.258 χ^2/NDF:16.0/19

+ sign 254.593+/-229.170 χ^2/NDF: 52.2/36

All: 268.242+/-162.812 χ^2/NDF: 89.9/74

- sign 282.151+/-231.347 χ^2/NDF: 37.7/37



Right In: 1128.007+/-0.303 χ^2/NDF: 621395.6/15

Left Out: 1105.929+/-0.192 χ^2/NDF:48675.0/20

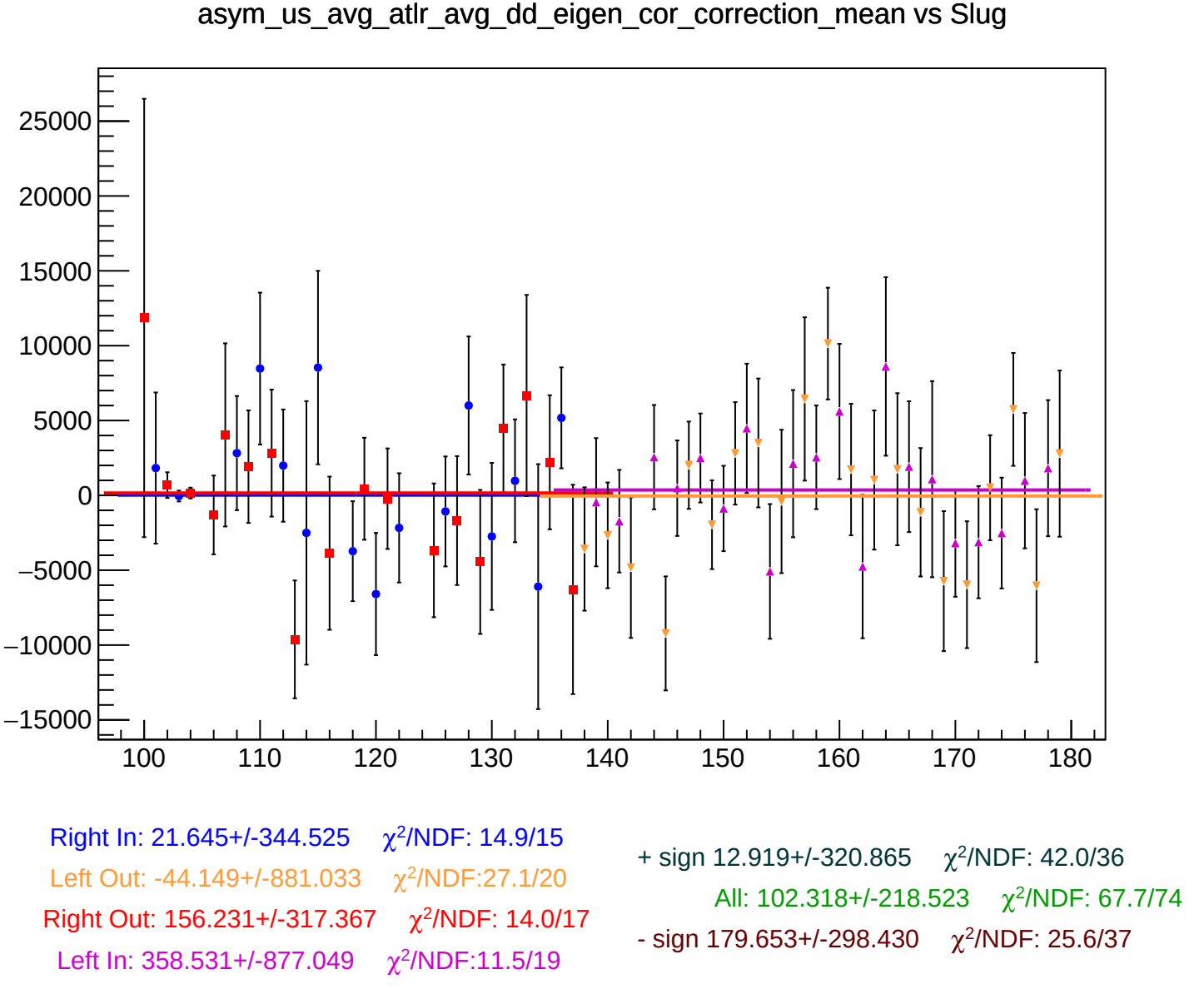
Right Out: 1138.000+/-0.304 χ^2/NDF: 220624.5/17

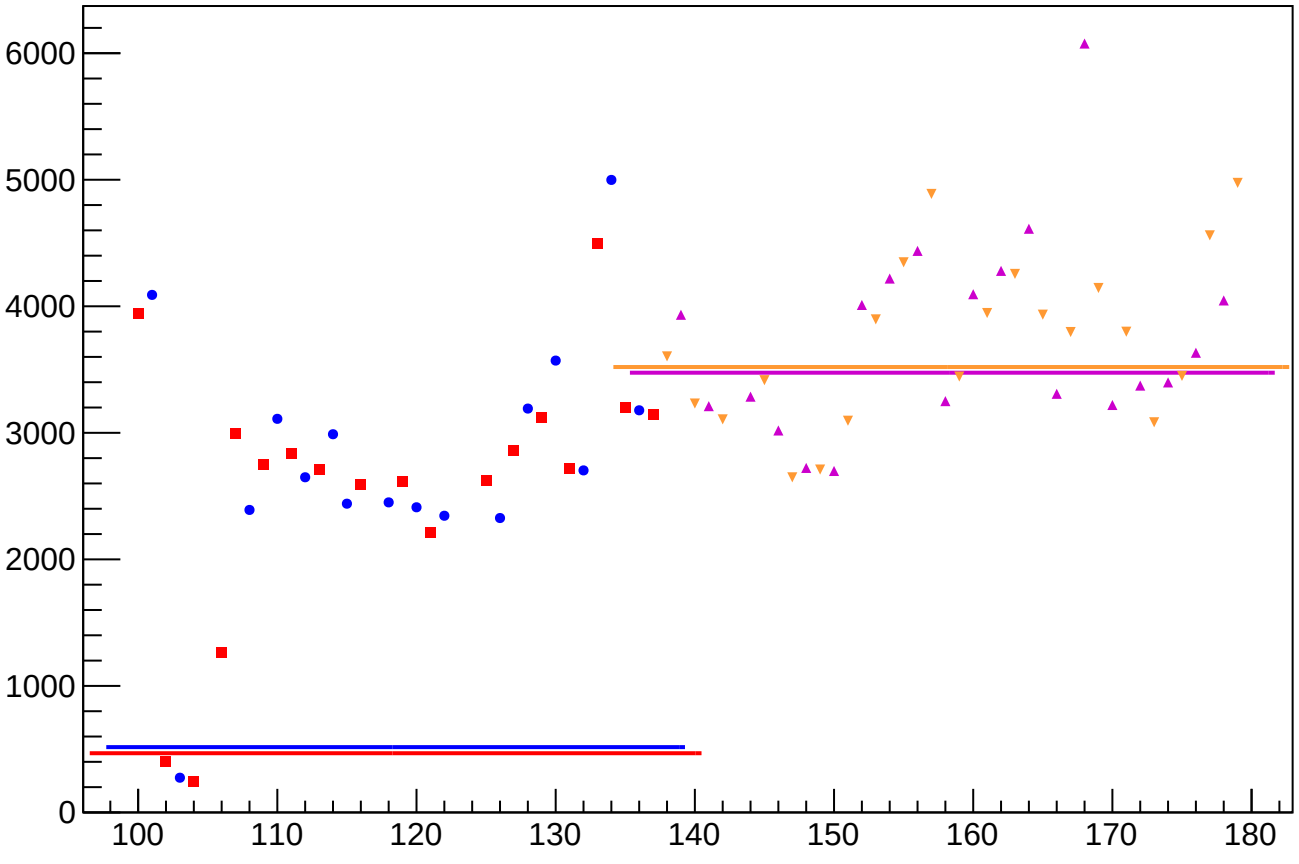
Left In: 1108.037+/-0.194 χ^2/NDF:42411.4/19

+ sign 1112.225+/-0.162 χ^2/NDF: 673854.6/36

All: 1114.435+/-0.115 χ^2/NDF: 944156.8/74

- sign 1116.686+/-0.164 χ^2/NDF: 269926.7/37


asym_us_avg_atlr_avg_dd_eigen_cor_correction_mean vs Slug
25000
20000
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
180
Right In: 21.645+/-344.525 χ²/NDF: 14.9/15
Left Out: -44.149+/-881.033 χ²/NDF:27.1/20
Right Out: 156.231+/-317.367 χ²/NDF: 14.0/17
Left In: 358.531+/-877.049 χ²/NDF:11.5/19
+ sign 12.919+/-320.865 χ²/NDF: 42.0/36
All: 102.318+/-218.523 χ²/NDF: 67.7/74
- sign 179.653+/-298.430 χ²/NDF: 25.6/37



Right In: 516.297+/-0.244 χ^2/NDF: 9834669.6/15

Left Out: 3520.052+/-0.623 χ^2/NDF:978947.3/20

Right Out: 468.060+/-0.224 χ^2/NDF: 9111222.0/17

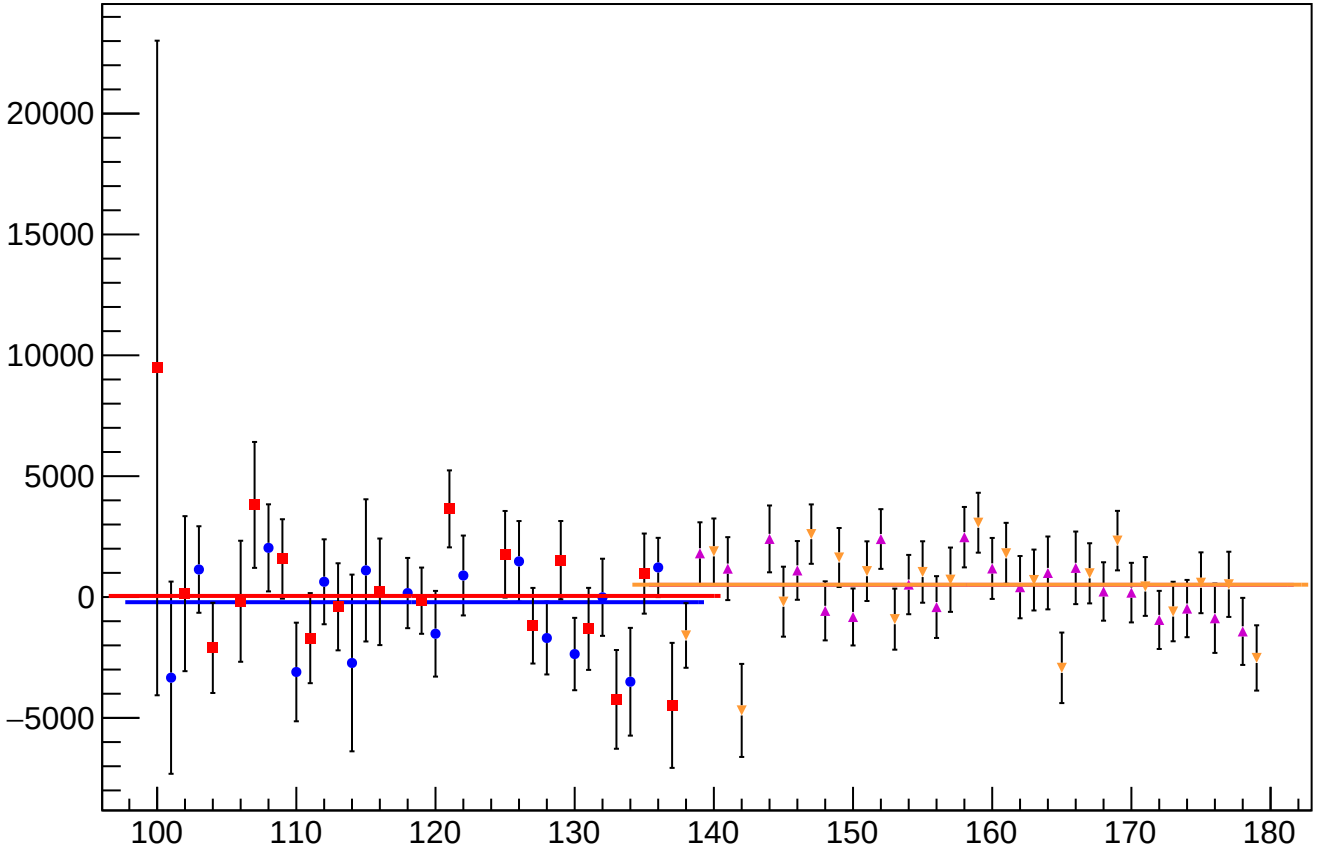
Left In: 3475.120+/-0.620 χ^2/NDF:1060232.4/19

+ sign 914.701+/-0.227 χ^2/NDF: 30977611.7/36

All: 861.897+/-0.155 χ^2/NDF: 62038756.7/74

- sign 816.219+/-0.211 χ^2/NDF: 30960124.6/37

dit_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -213.079+/-442.684 χ^2/NDF: 14.3/15

Left Out: 510.893+/-283.999 χ^2/NDF:35.6/20

Right Out: 45.535+/-447.221 χ^2/NDF: 21.7/17

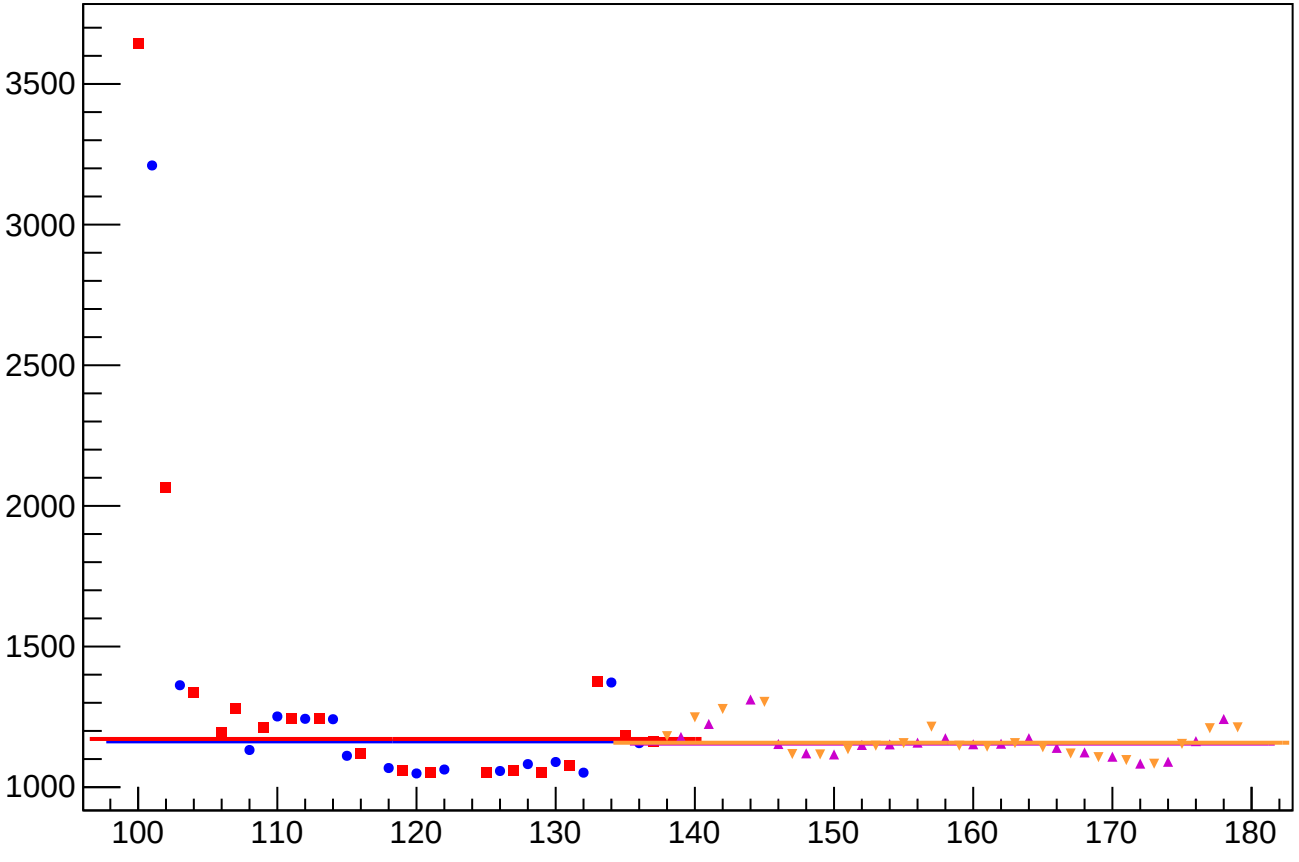
Left In: 502.985+/-285.967 χ^2/NDF:16.6/19

\+ sign 299.804+/-239.037 χ^2/NDF: 51.8/36

All: 334.739+/-169.688 χ^2/NDF: 90.8/74

\- sign 370.228+/-240.924 χ^2/NDF: 39.0/37

dit_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1162.851+/-0.313 χ^2/NDF: 635353.4/15

Left Out: 1158.045+/-0.201 χ^2/NDF:71011.7/20

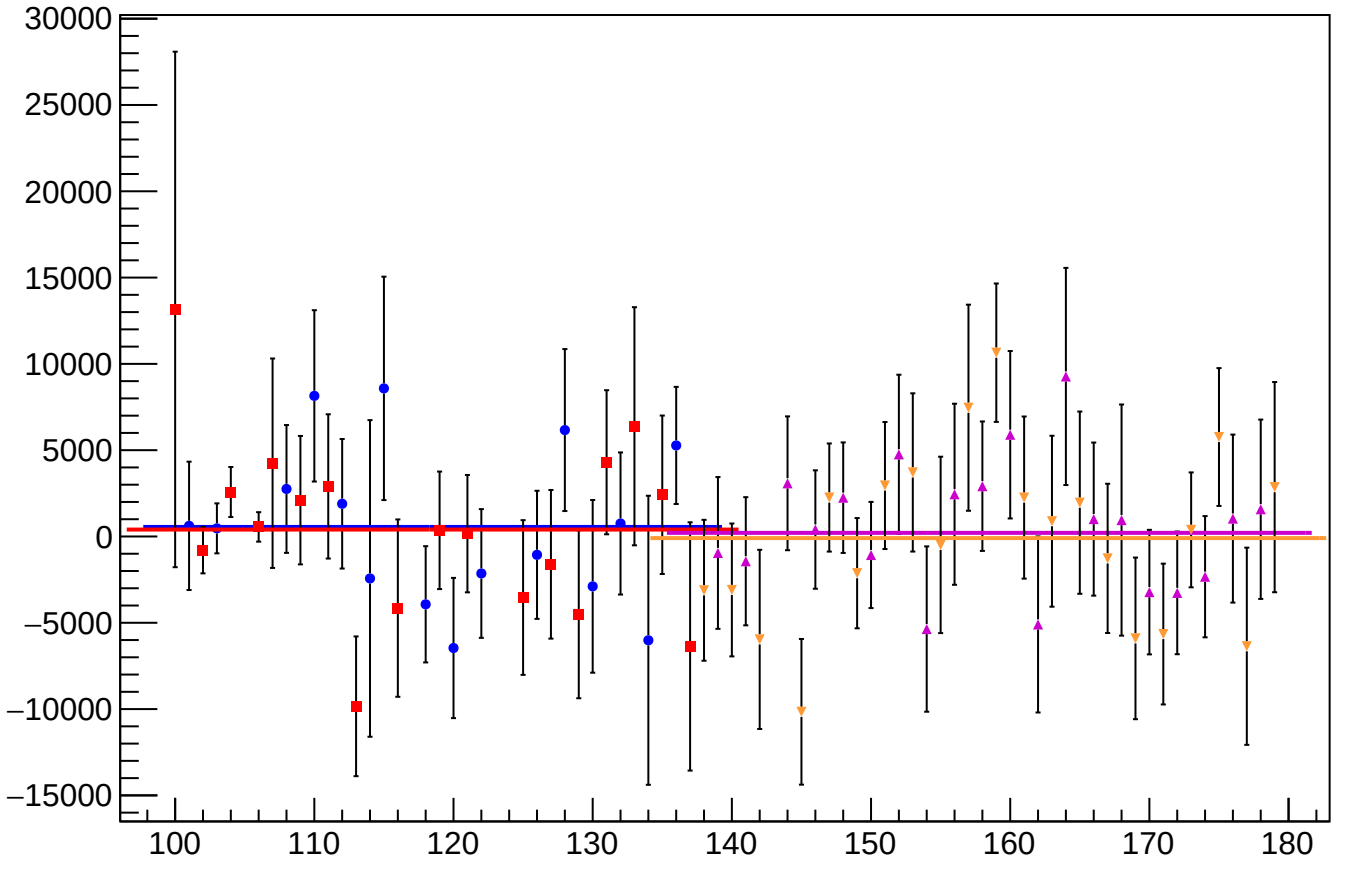
Right Out: 1171.420+/-0.316 χ^2/NDF: 331640.8/17

Left In: 1154.798+/-0.202 χ^2/NDF:62143.2/19

+ sign 1159.447+/-0.169 χ^2/NDF: 706532.2/36

All: 1159.535+/-0.120 χ^2/NDF: 1102279.1/74

- sign 1159.626+/-0.170 χ^2/NDF: 395746.4/37



Right In: 552.517+/-874.128 χ^2/NDF: 14.4/15

Left Out: -93.911+/-927.493 χ^2/NDF:26.8/20

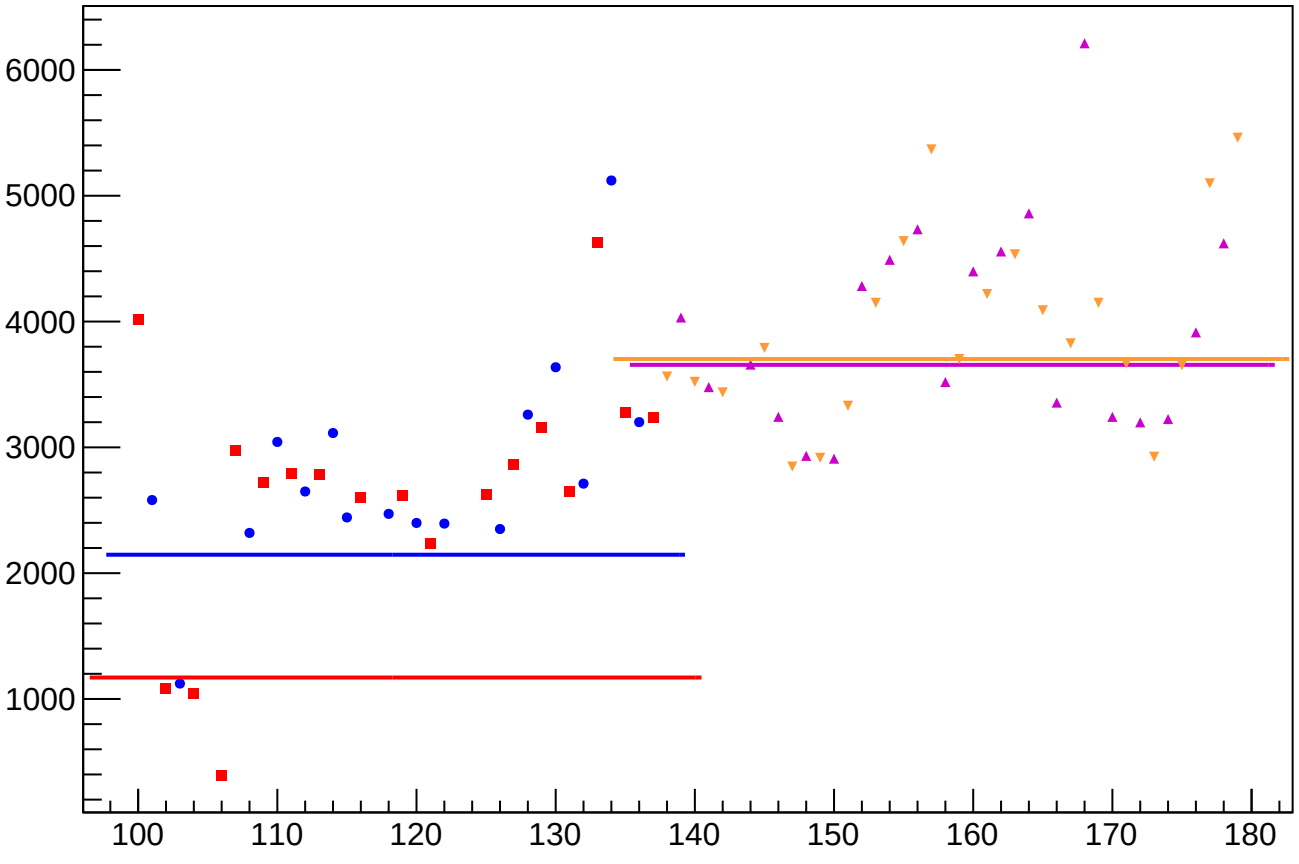
Right Out: 400.432+/-565.871 χ^2/NDF: 16.7/17

Left In: 209.759+/-923.411 χ^2/NDF:11.5/19

\+ sign 248.434+/-636.131 χ^2/NDF: 41.4/36

All: 311.879+/-384.419 χ^2/NDF: 69.6/74

\- sign 348.377+/-482.483 χ^2/NDF: 28.2/37



Right In: 2146.616+/-0.618 χ^2/NDF: 1974723.6/15

Left Out: 3702.142+/-0.656 χ^2/NDF:1052186.7/20

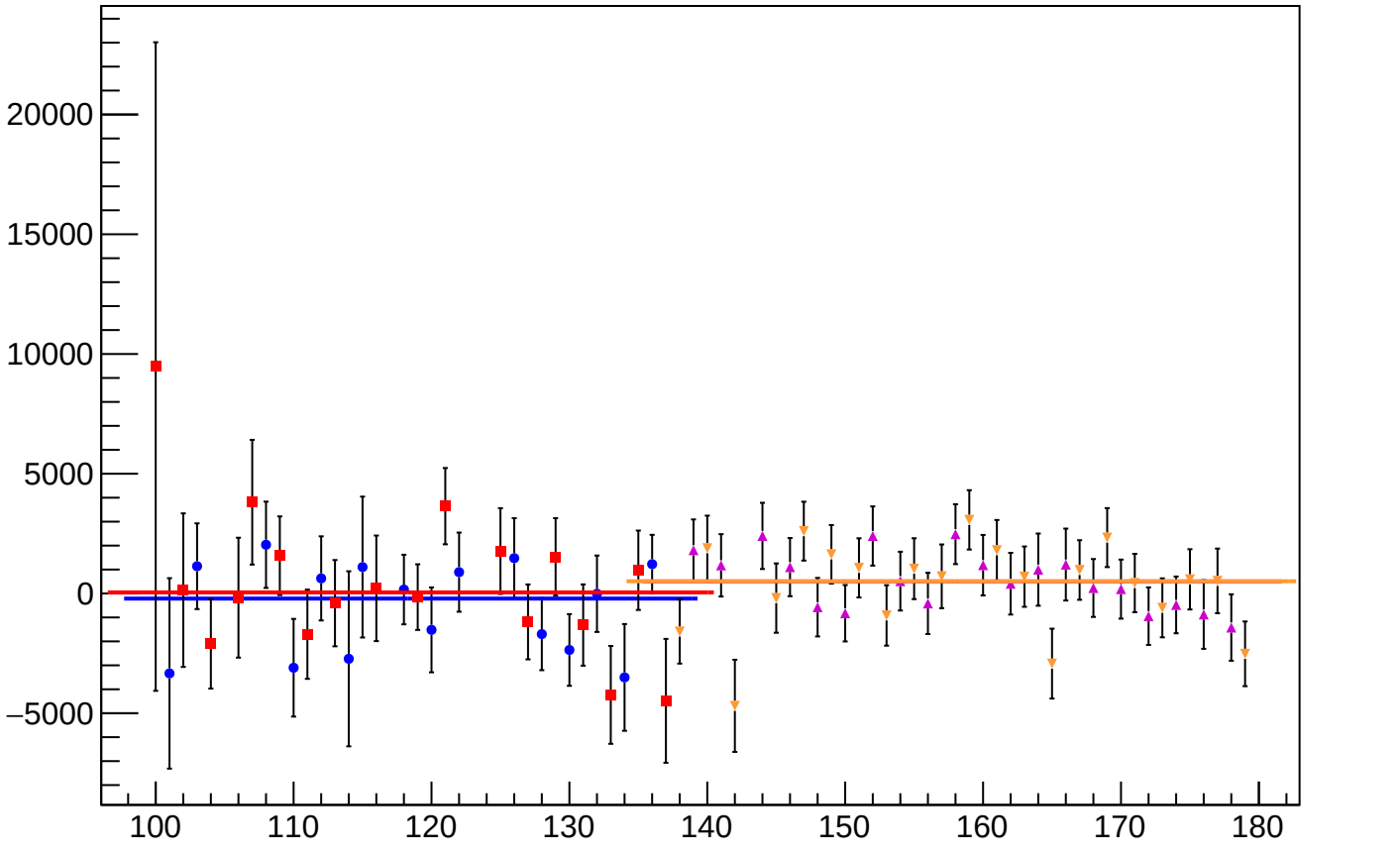
Right Out: 1170.573+/-0.400 χ^2/NDF: 5817478.8/17

Left In: 3655.782+/-0.653 χ^2/NDF:1100096.0/19

+ sign 2878.344+/-0.450 χ^2/NDF: 6006160.3/36

All: 2224.938+/-0.272 χ^2/NDF: 26779330.6/7

- sign 1849.053+/-0.341 χ^2/NDF: 17449194.0/37



Right In: -213.082+/-442.684 χ^2/NDF: 14.3/15

Left Out: 510.894+/-284.000 χ^2/NDF:35.6/20

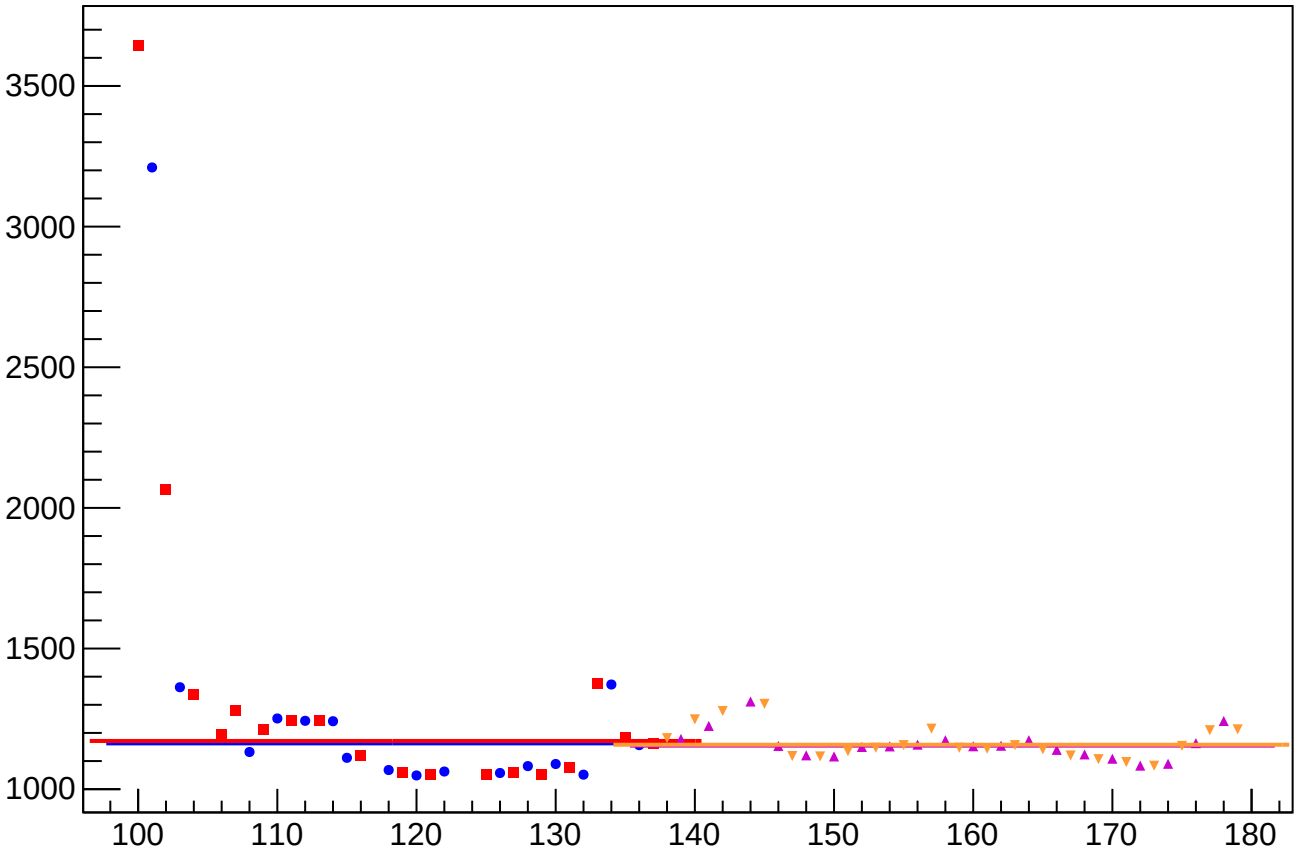
Right Out: 45.539+/-447.221 χ^2/NDF: 21.7/17

Left In: 502.986+/-285.967 χ^2/NDF:16.6/19

+ sign 299.804+/-239.037 χ^2/NDF: 51.8/36

All: 334.740+/-169.688 χ^2/NDF: 90.8/74

- sign 370.229+/-240.924 χ^2/NDF: 39.0/37



Right In: 1162.851+/-0.313 χ^2/NDF: 635353.6/15

Left Out: 1158.046+/-0.201 χ^2/NDF:71014.4/20

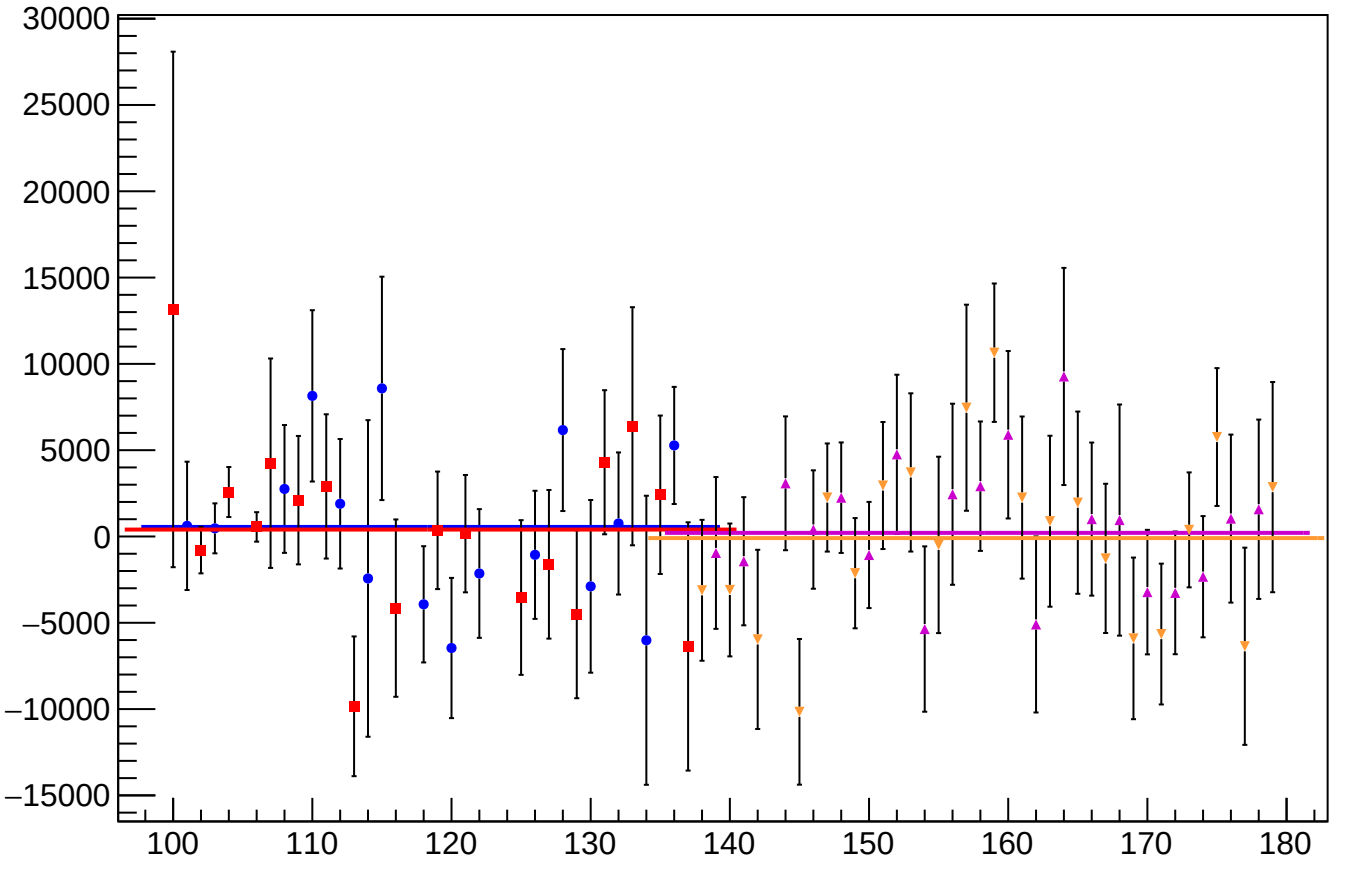
Right Out: 1171.420+/-0.316 χ^2/NDF: 331640.4/17

Left In: 1154.799+/-0.202 χ^2/NDF:62145.4/19

+ sign 1159.447+/-0.169 χ^2/NDF: 706534.9/36

All: 1159.536+/-0.120 χ^2/NDF: 1102283.4/74

- sign 1159.626+/-0.170 χ^2/NDF: 395748.0/37



Right In: 552.510+/-874.126 χ^2/NDF: 14.4/15

Left Out: -93.912+/-927.494 χ^2/NDF:26.8/20

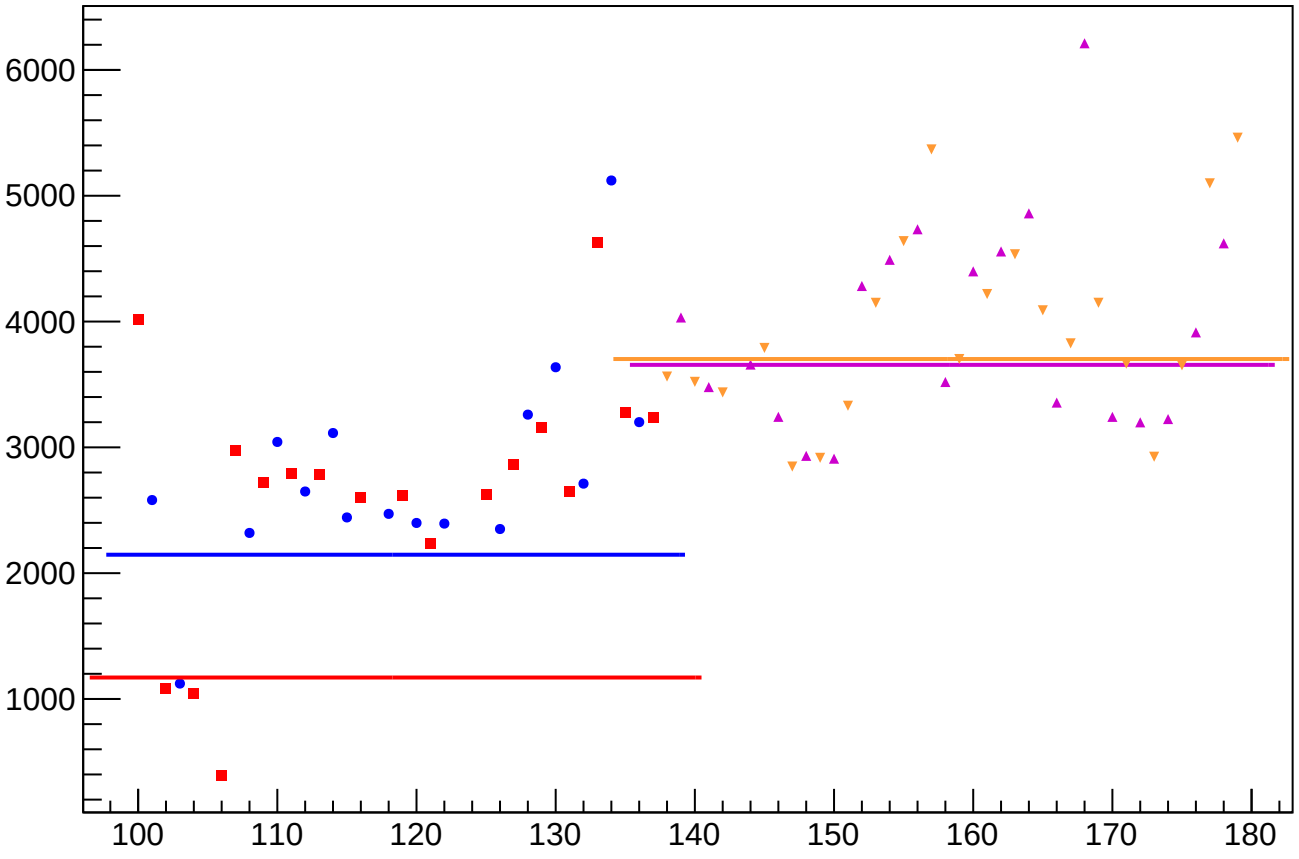
Right Out: 400.433+/-565.864 χ^2/NDF: 16.7/17

Left In: 209.758+/-923.413 χ^2/NDF:11.5/19

+ sign 248.431+/-636.131 χ^2/NDF: 41.4/36

All: 311.879+/-384.417 χ^2/NDF: 69.6/74

- sign 348.378+/-482.479 χ^2/NDF: 28.2/37



Right In: 2146.613+/-0.618 χ^2/NDF: 1974719.3/15

Left Out: 3702.148+/-0.656 χ^2/NDF:1052189.5/20

Right Out: 1170.550+/-0.400 χ^2/NDF: 5817605.6/17

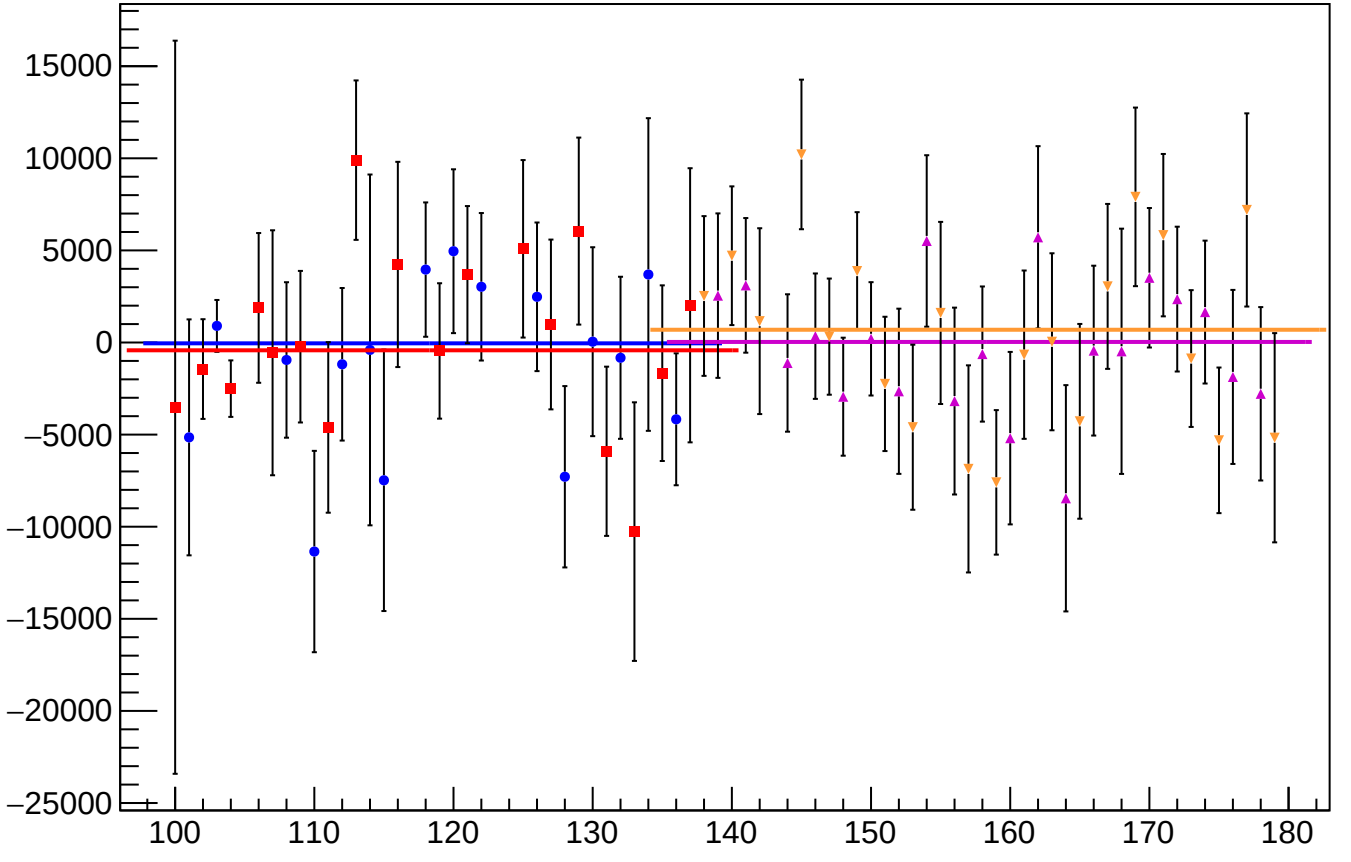
Left In: 3655.787+/-0.653 χ^2/NDF:1100098.9/19

+ sign 2878.343+/-0.450 χ^2/NDF: 6006191.6/36

All: 2224.915+/-0.272 χ^2/NDF: 26779974.0/7

- sign 1849.025+/-0.341 χ^2/NDF: 17449609.2/37

asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -44.874+/-920.736 χ^2/NDF: 13.7/15

Left Out: 692.360+/-928.691 χ^2/NDF:26.1/20

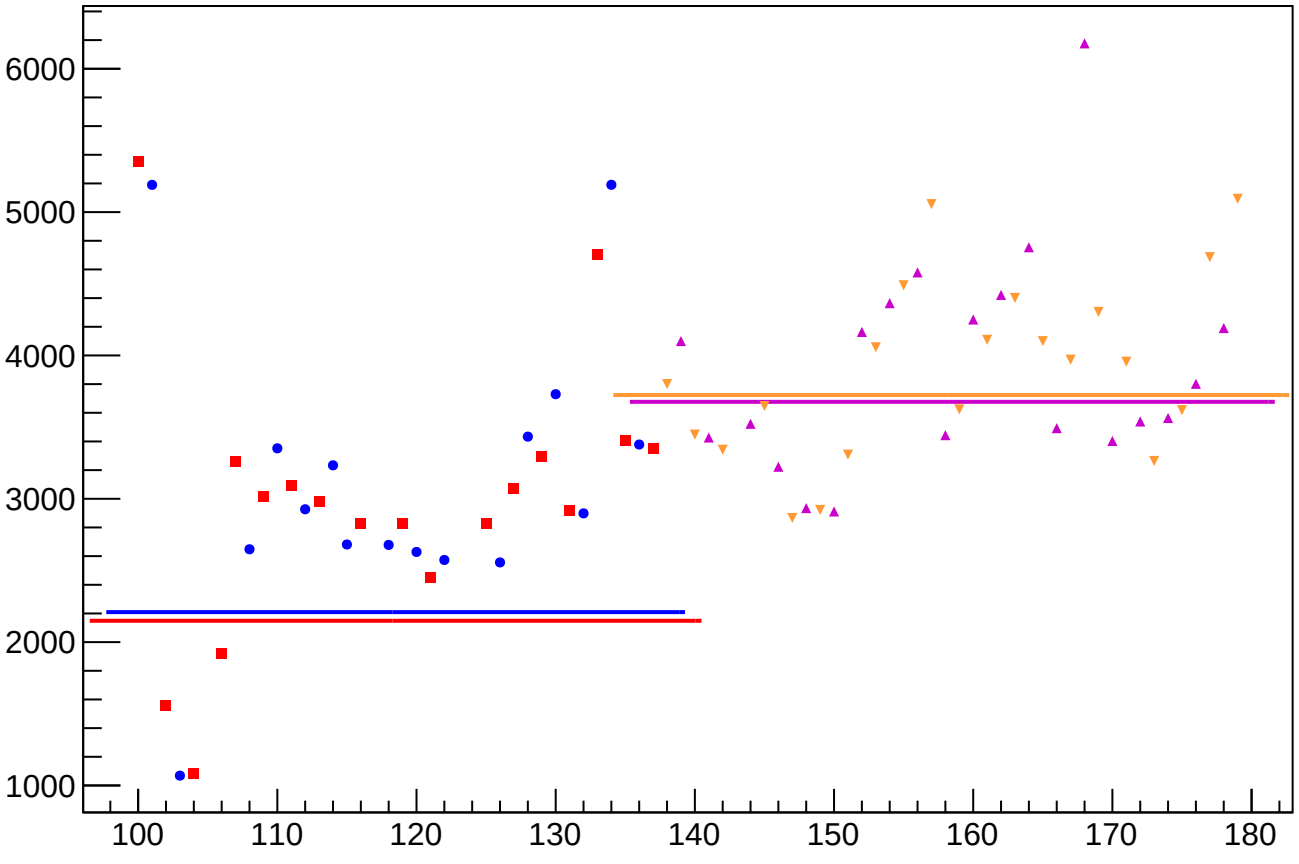
Right Out: -423.476+/-896.736 χ^2/NDF: 17.3/17

Left In: 30.303+/-924.935 χ^2/NDF:10.5/19

+ sign 320.572+/-653.853 χ^2/NDF: 40.2/36

All: 54.431+/-458.758 χ^2/NDF: 68.5/74

- sign -203.609+/-643.826 χ^2/NDF: 28.0/37



Right In: 2209.349+/-0.651 χ^2/NDF: 2836875.7/15

Left Out: 3723.889+/-0.657 χ^2/NDF:815796.4/20

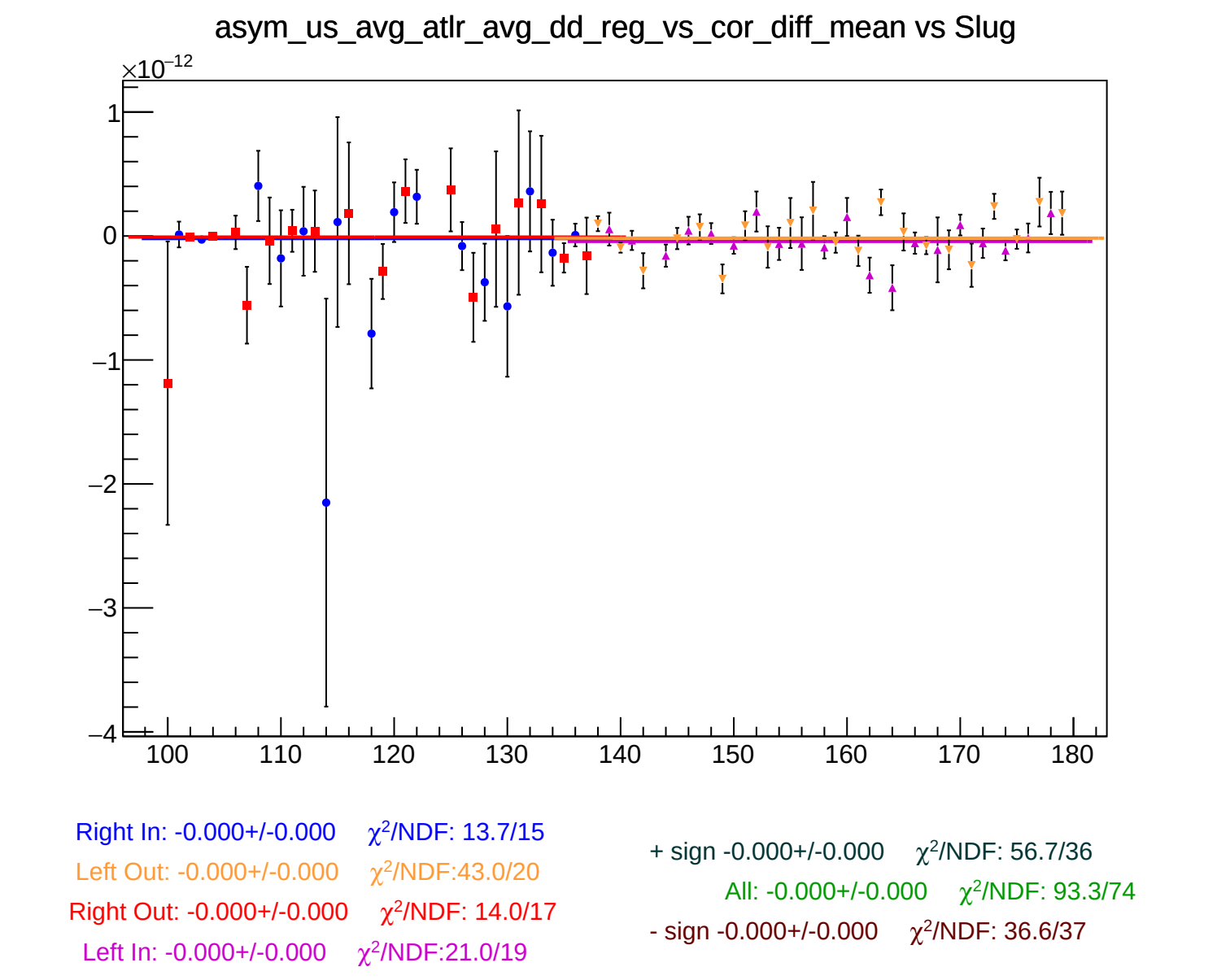
Right Out: 2148.948+/-0.633 χ^2/NDF: 2269660.8/17

Left In: 3676.365+/-0.654 χ^2/NDF:898156.9/19

+ sign 2960.102+/-0.462 χ^2/NDF: 6335174.8/36

All: 2923.038+/-0.324 χ^2/NDF: 12333616.4/7

- sign 2887.191+/-0.455 χ^2/NDF: 5985799.5/37


asym_us_avg_atlr_avg_dd_reg_vs_cor_diff_mean vs Slug
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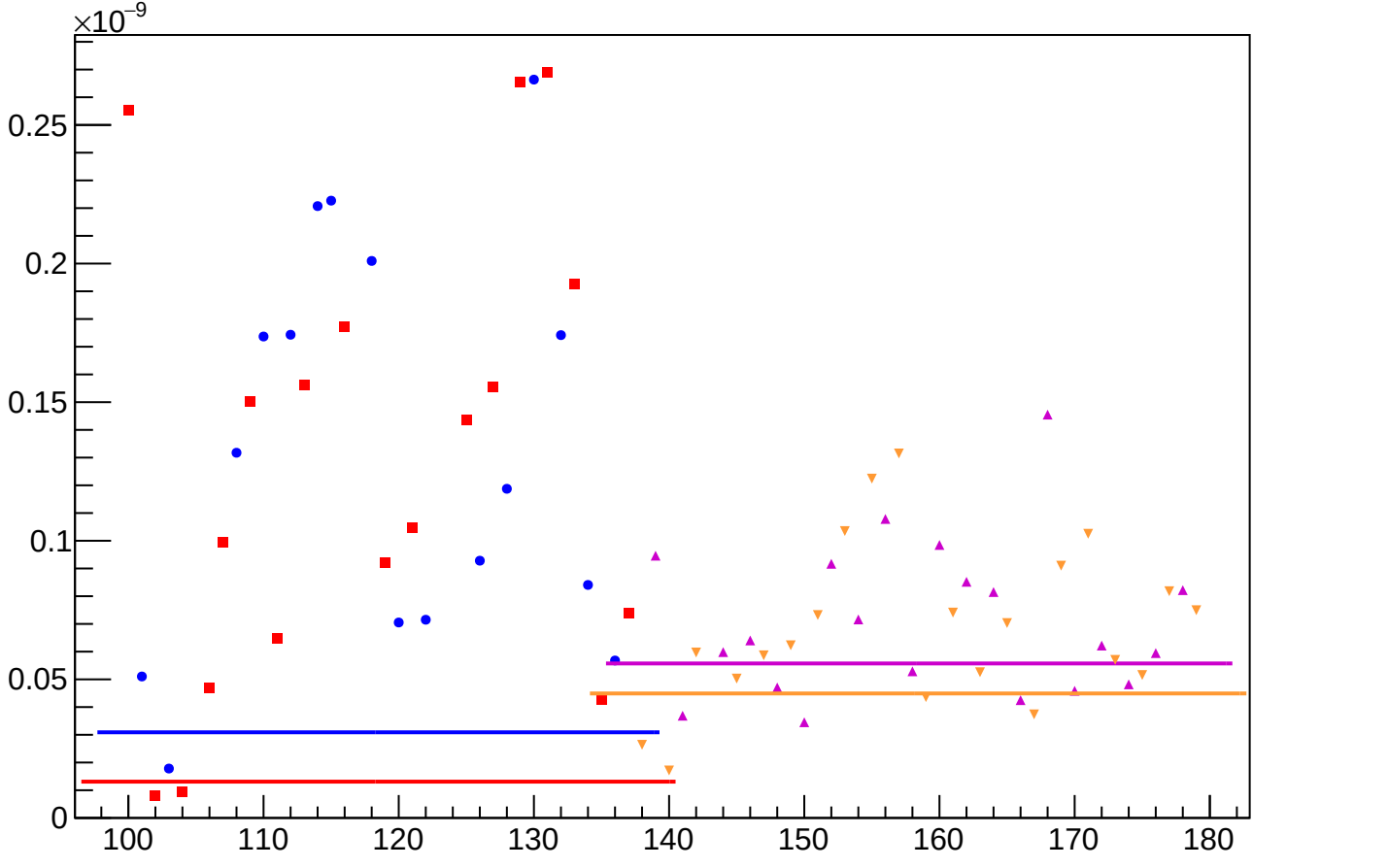
Right In: -0.000+/-0.000 χ²/NDF: 13.7/15
Left Out: -0.000+/-0.000 χ²/NDF:43.0/20
Right Out: -0.000+/-0.000 χ²/NDF: 14.0/17
Left In: -0.000+/-0.000 χ²/NDF:21.0/19
+ sign -0.000+/-0.000 χ²/NDF: 56.7/36
All: -0.000+/-0.000 χ²/NDF: 93.3/74
- sign -0.000+/-0.000 χ²/NDF: 36.6/37



Right In: 0.000+/-0.000 χ^2/NDF: 2998577.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:2930440.2/20

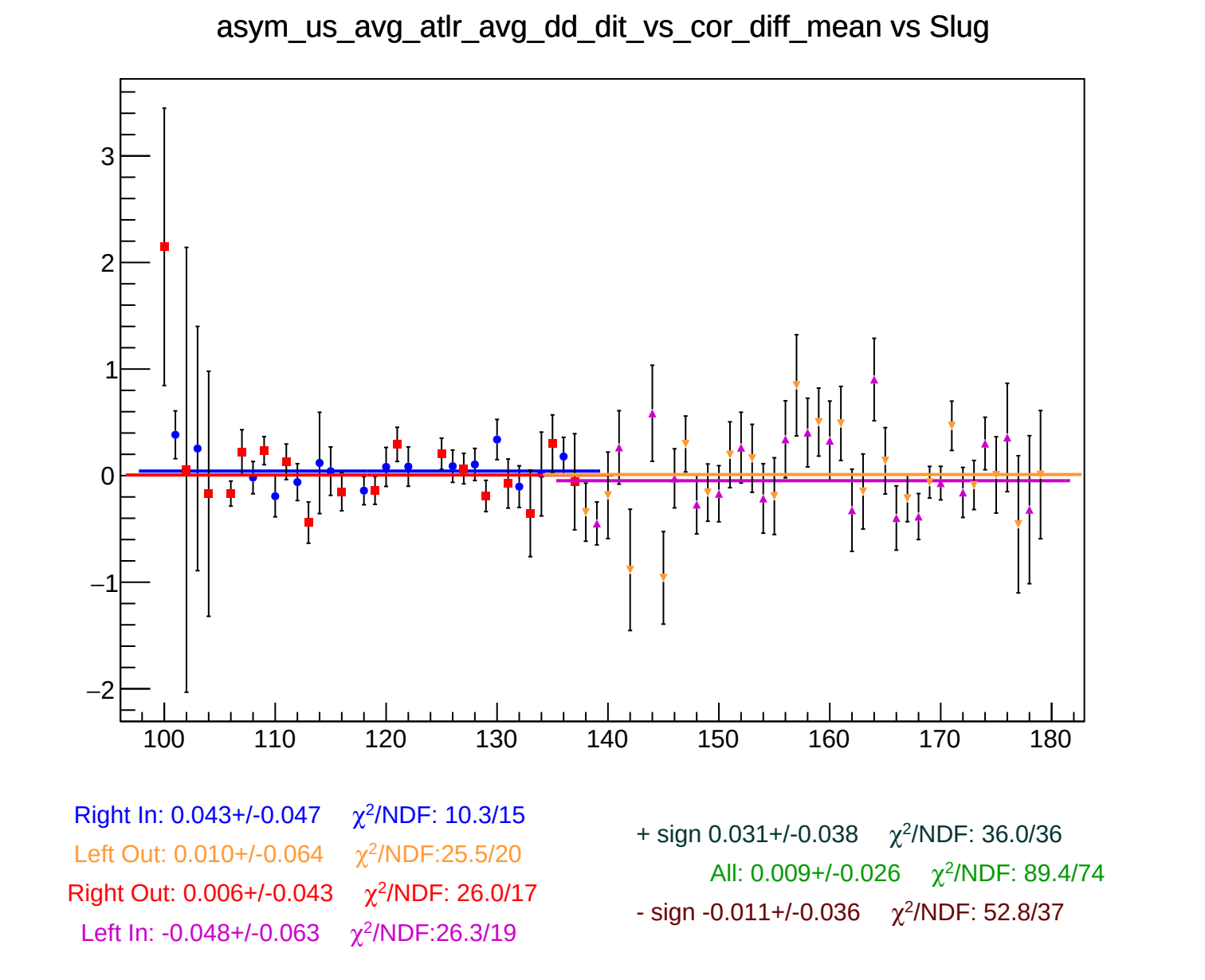
Right Out: 0.000+/-0.000 χ^2/NDF: 3659260.7/17

Left In: 0.000+/-0.000 χ^2/NDF:1446097.5/19

+ sign 0.000+/-0.000 χ^2/NDF: 6293588.1/36

All: 0.000+/-0.000 χ^2/NDF: 17014907.3/74

- sign 0.000+/-0.000 χ^2/NDF: 9759007.1/37


asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_mean vs Slug
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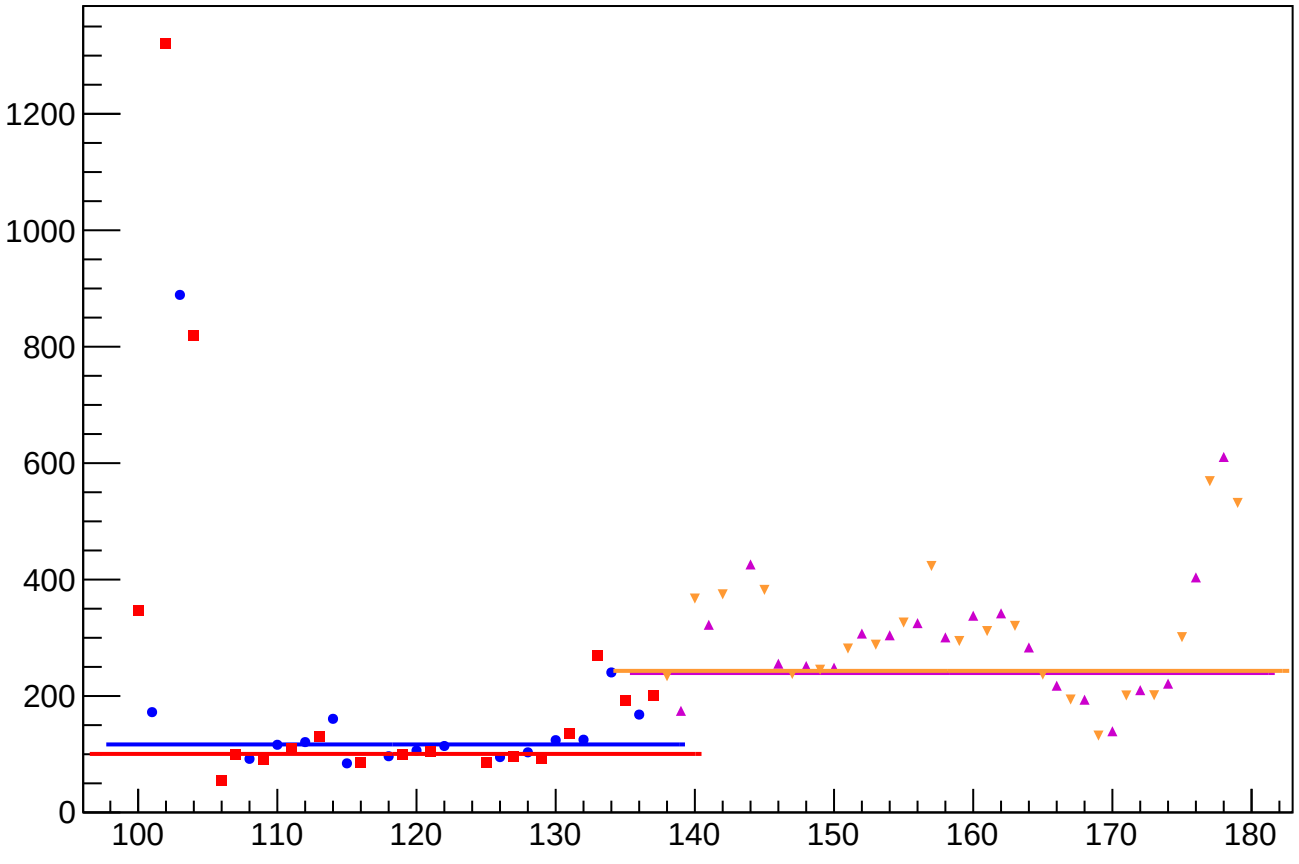
Right In: 0.043+/-0.047 χ²/NDF: 10.3/15
Left Out: 0.010+/-0.064 χ²/NDF:25.5/20
Right Out: 0.006+/-0.043 χ²/NDF: 26.0/17
Left In: -0.048+/-0.063 χ²/NDF:26.3/19
+ sign 0.031+/-0.038 χ²/NDF: 36.0/36
All: 0.009+/-0.026 χ²/NDF: 89.4/74
- sign -0.011+/-0.036 χ²/NDF: 52.8/37



Right In: 116.841+/-0.034 χ^2/NDF: 1620809.7/15

Left Out: 243.193+/-0.045 χ^2/NDF:3578378.5/20

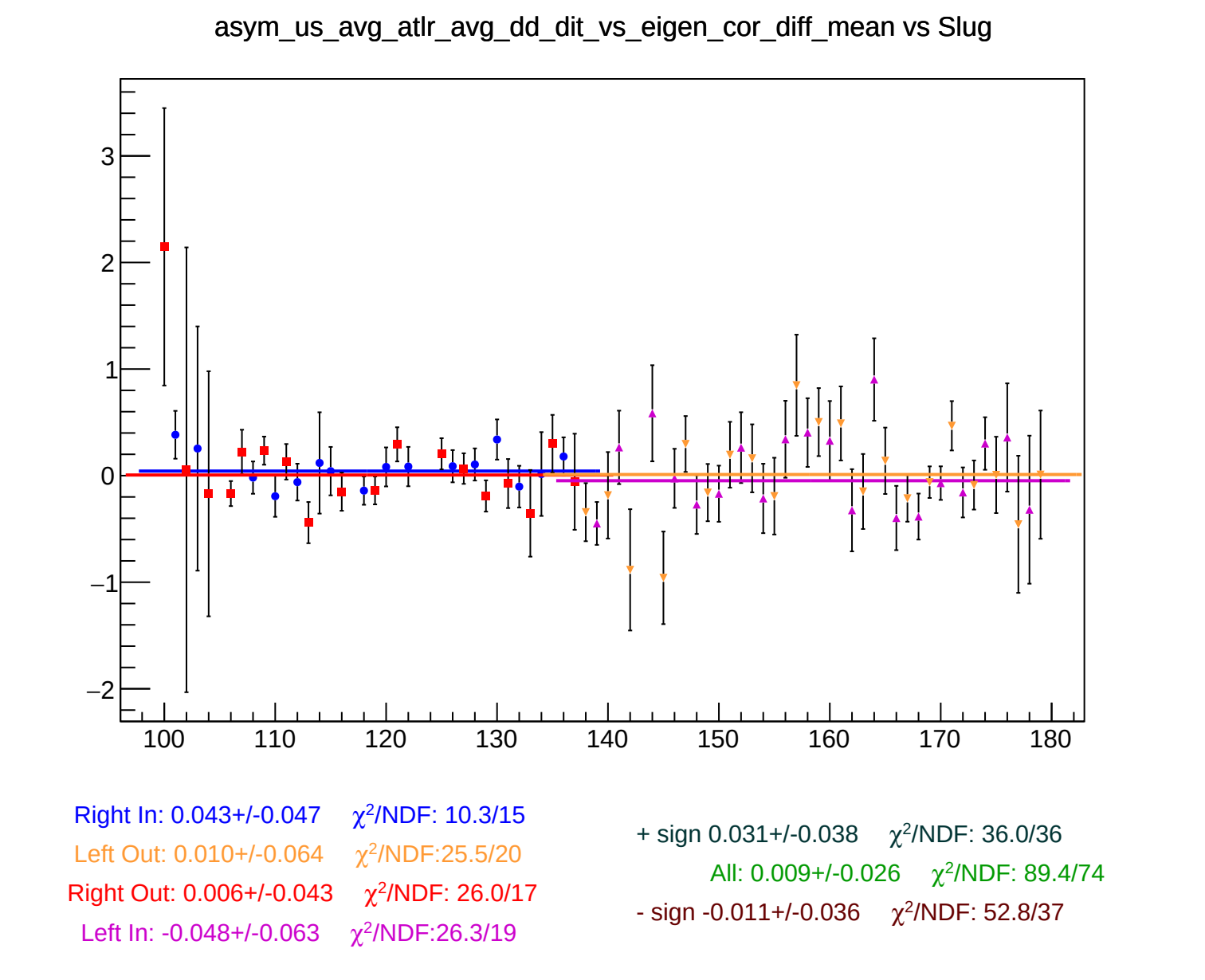
Right Out: 100.544+/-0.031 χ^2/NDF: 2664151.6/17

Left In: 239.490+/-0.045 χ^2/NDF:3063102.7/19

+ sign 161.441+/-0.027 χ^2/NDF: 10201668.8/36

All: 152.589+/-0.018 χ^2/NDF: 22666323.4/74

- sign 144.801+/-0.025 χ^2/NDF: 12262579.5/37


asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug
3
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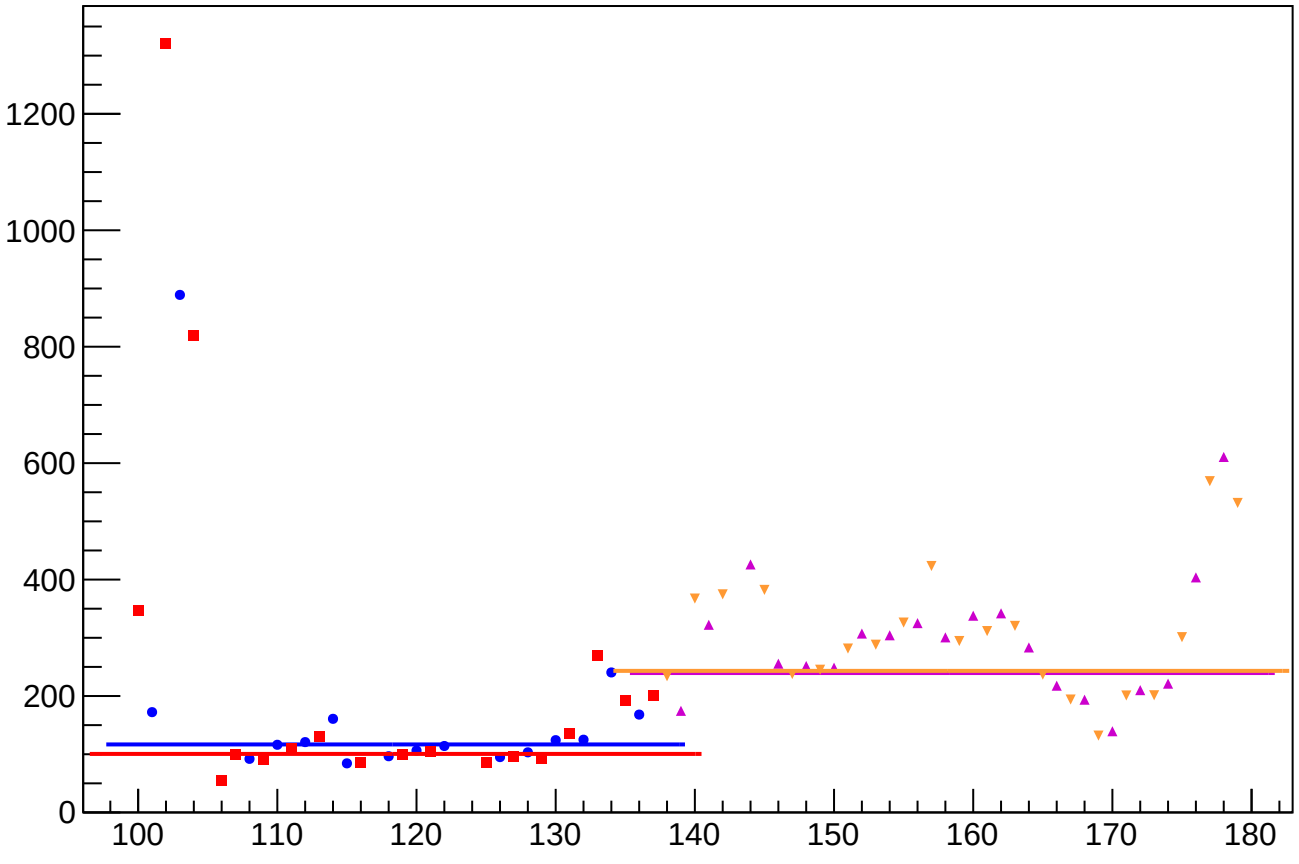
170
180
Right In: 0.043+/-0.047 χ²/NDF: 10.3/15
Left Out: 0.010+/-0.064 χ²/NDF:25.5/20
Right Out: 0.006+/-0.043 χ²/NDF: 26.0/17
Left In: -0.048+/-0.063 χ²/NDF:26.3/19
+ sign 0.031+/-0.038 χ²/NDF: 36.0/36
All: 0.009+/-0.026 χ²/NDF: 89.4/74
- sign -0.011+/-0.036 χ²/NDF: 52.8/37



Right In: 116.841+/-0.034 χ^2/NDF: 1620809.7/15

Left Out: 243.193+/-0.045 χ^2/NDF:3578378.5/20

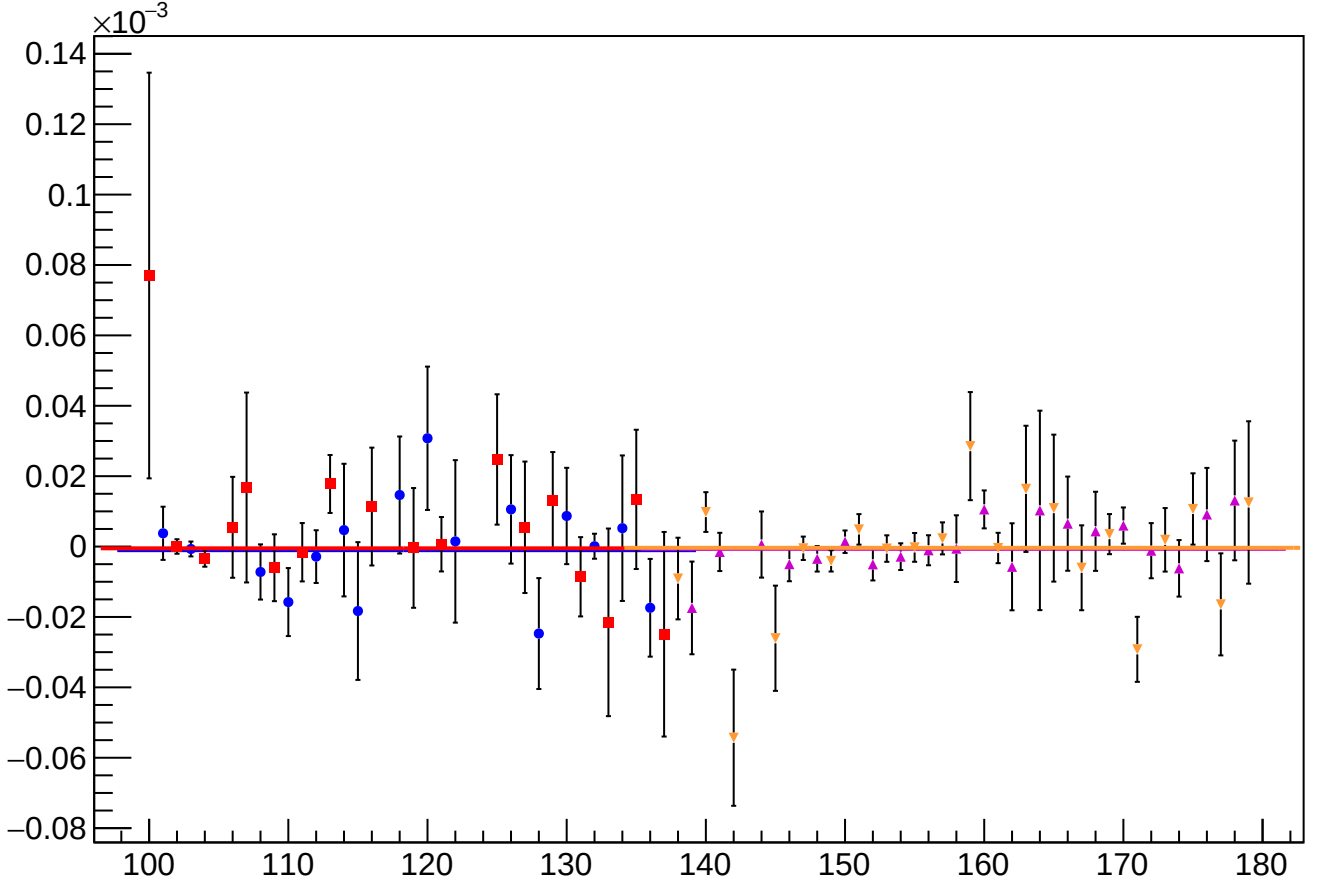
Right Out: 100.544+/-0.031 χ^2/NDF: 2664151.6/17

Left In: 239.490+/-0.045 χ^2/NDF:3063102.7/19

+ sign 161.441+/-0.027 χ^2/NDF: 10201668.8/36

All: 152.589+/-0.018 χ^2/NDF: 22666323.4/74

- sign 144.801+/-0.025 χ^2/NDF: 12262579.5/37



Right In: -0.000+/-0.000 χ^2/NDF: 12.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:35.8/20

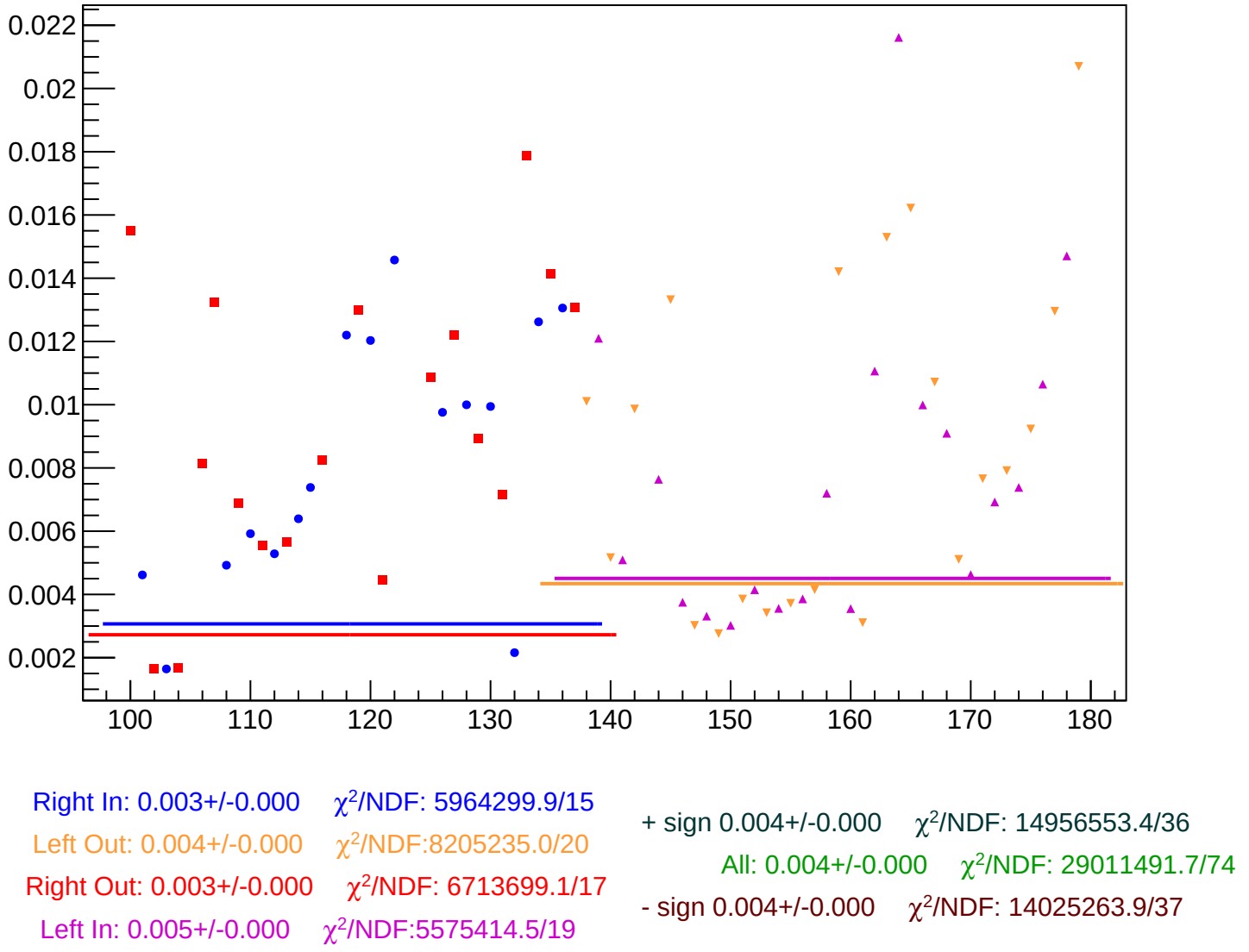
Right Out: -0.000+/-0.000 χ^2/NDF: 15.1/17

Left In: -0.000+/-0.000 χ^2/NDF:13.2/19

+ sign -0.000+/-0.000 χ^2/NDF: 48.5/36

All: -0.000+/-0.000 χ^2/NDF: 76.7/74

- sign -0.000+/-0.000 χ^2/NDF: 28.3/37


asym_us_avg_atlr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.022
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0.012
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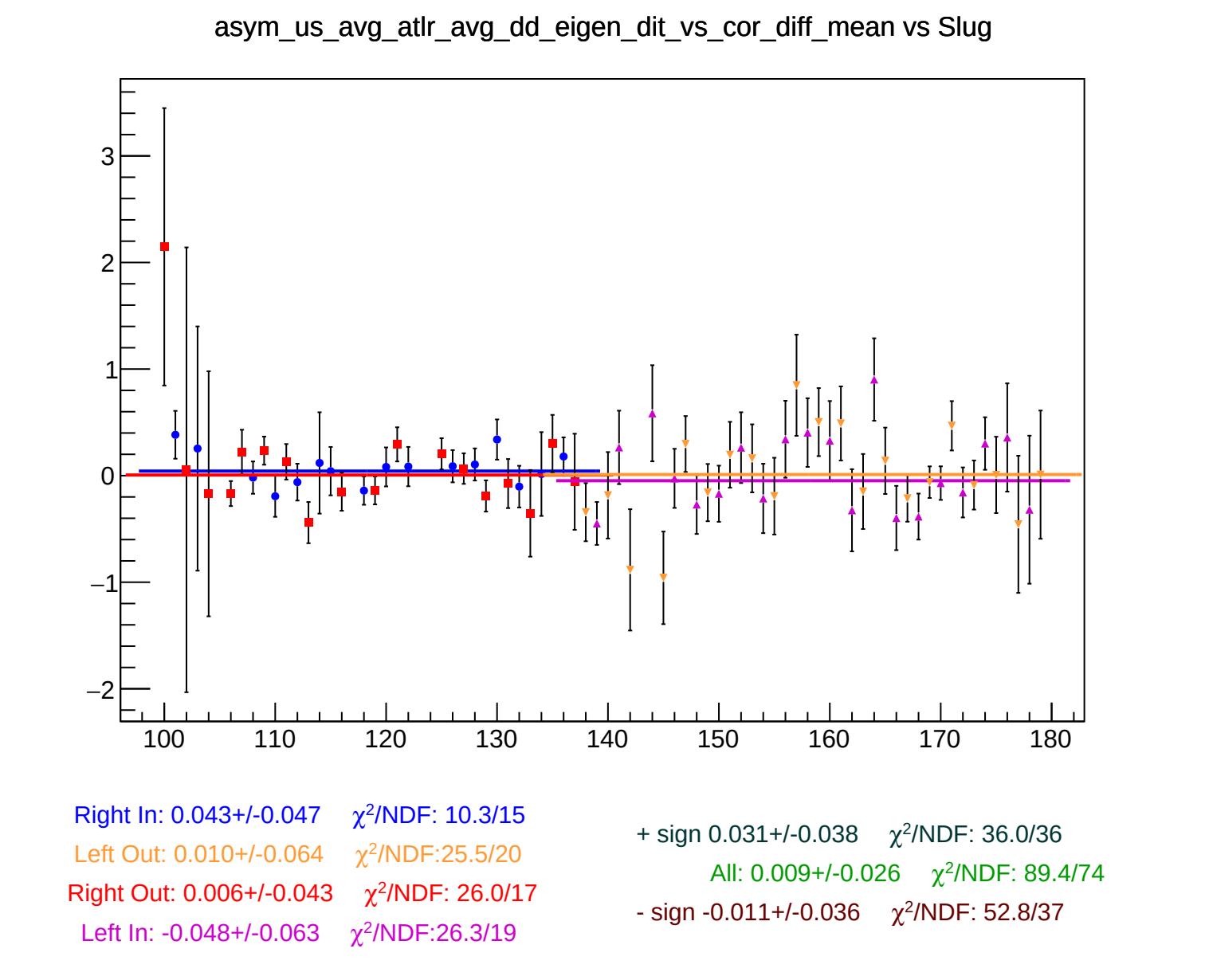
Right In: 0.003+/-0.000 χ²/NDF: 5964299.9/15
Left Out: 0.004+/-0.000 χ²/NDF:8205235.0/20
Right Out: 0.003+/-0.000 χ²/NDF: 6713699.1/17
Left In: 0.005+/-0.000 χ²/NDF:5575414.5/19
+ sign 0.004+/-0.000 χ²/NDF: 14956553.4/36
All: 0.004+/-0.000 χ²/NDF: 29011491.7/74
- sign 0.004+/-0.000 χ²/NDF: 14025263.9/37


asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug
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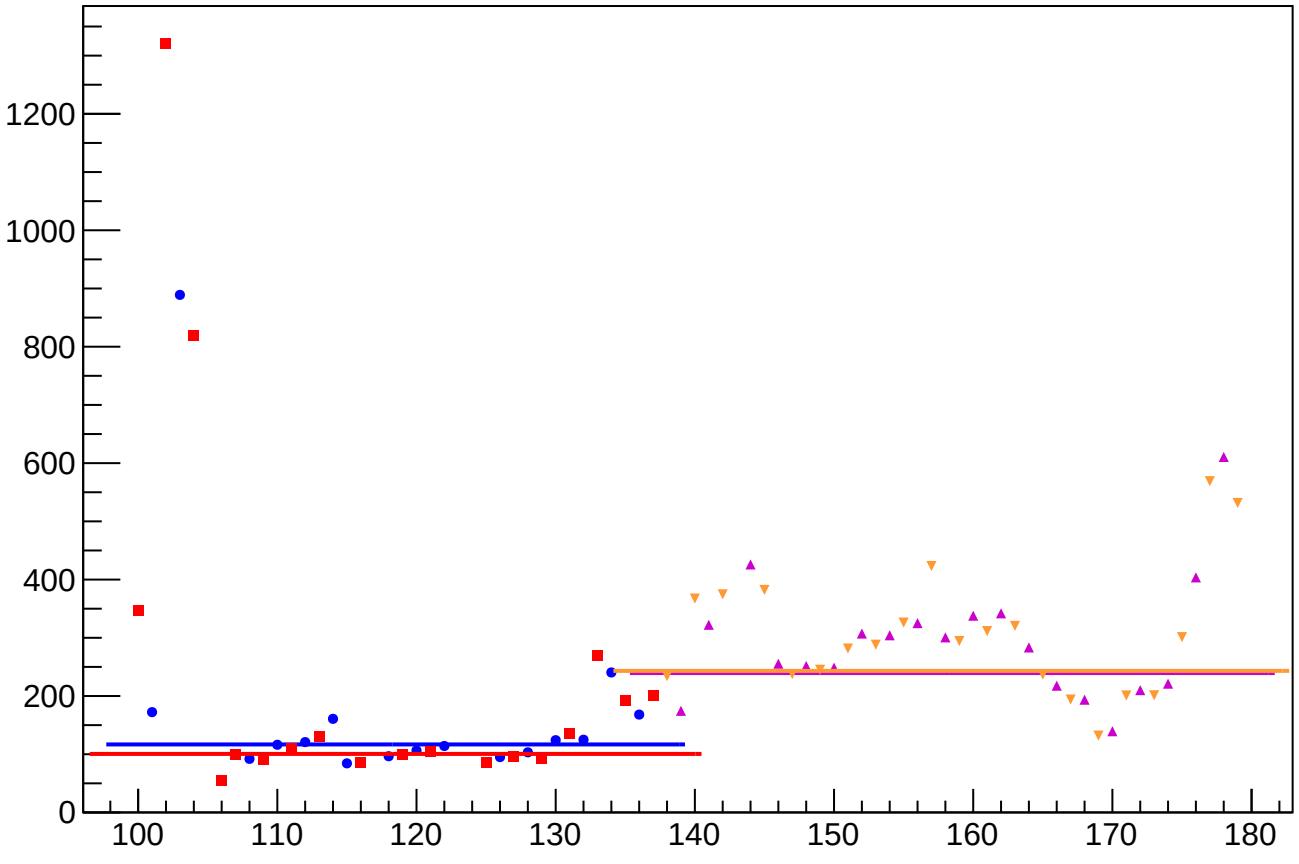
Right In: 0.043+/-0.047 χ²/NDF: 10.3/15
Left Out: 0.010+/-0.064 χ²/NDF:25.5/20
Right Out: 0.006+/-0.043 χ²/NDF: 26.0/17
Left In: -0.048+/-0.063 χ²/NDF:26.3/19
+ sign 0.031+/-0.038 χ²/NDF: 36.0/36
All: 0.009+/-0.026 χ²/NDF: 89.4/74
- sign -0.011+/-0.036 χ²/NDF: 52.8/37



Right In: 116.841+/-0.034 χ^2/NDF: 1620812.6/15

Left Out: 243.194+/-0.045 χ^2/NDF:3578530.3/20

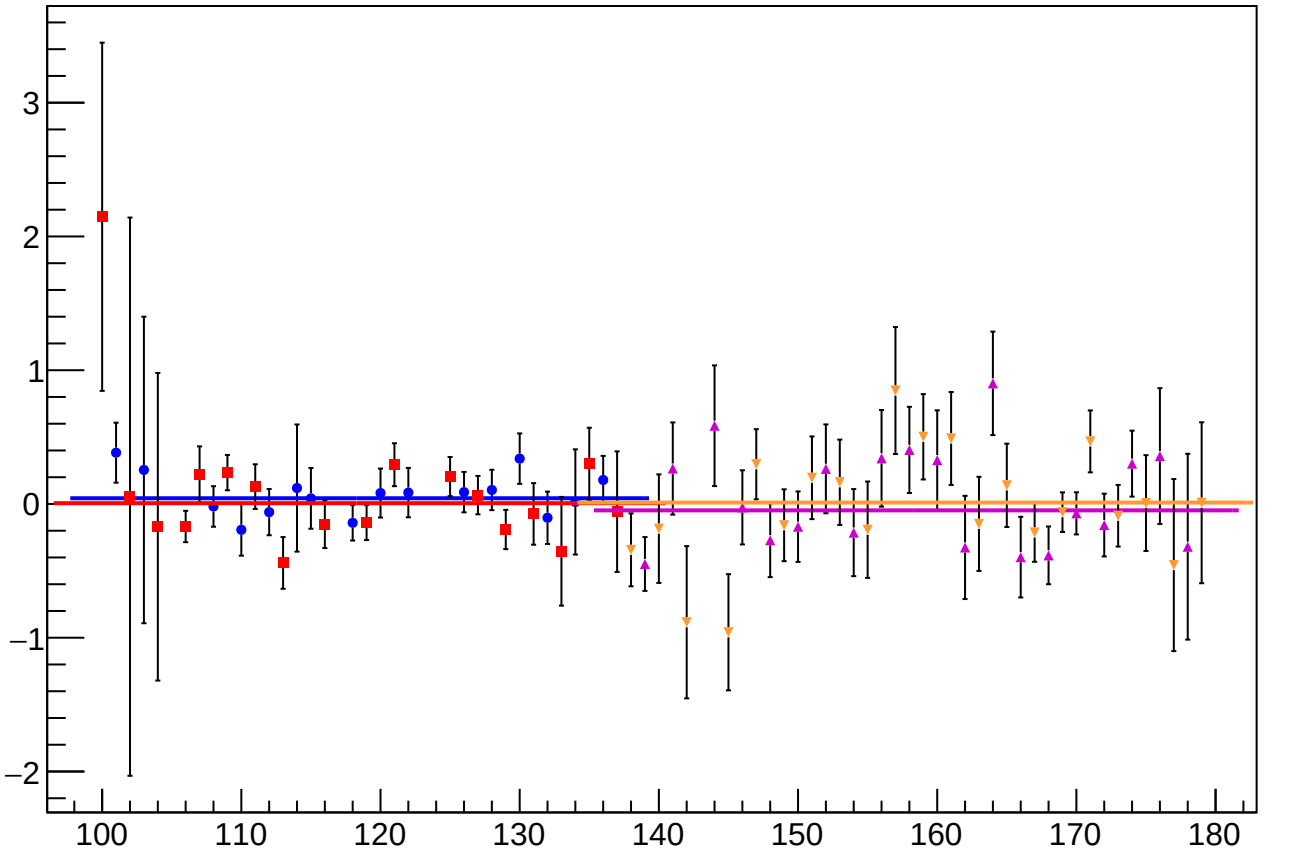
Right Out: 100.543+/-0.031 χ^2/NDF: 2664231.9/17

Left In: 239.492+/-0.045 χ^2/NDF:3063150.6/19

+ sign 161.440+/-0.027 χ^2/NDF: 10201825.0/36

All: 152.588+/-0.018 χ^2/NDF: 22666814.6/74

- sign 144.800+/-0.025 χ^2/NDF: 12262896.1/37



Right In: 0.043+/-0.047 χ^2/NDF: 10.3/15

Left Out: 0.010+/-0.064 χ^2/NDF:25.5/20

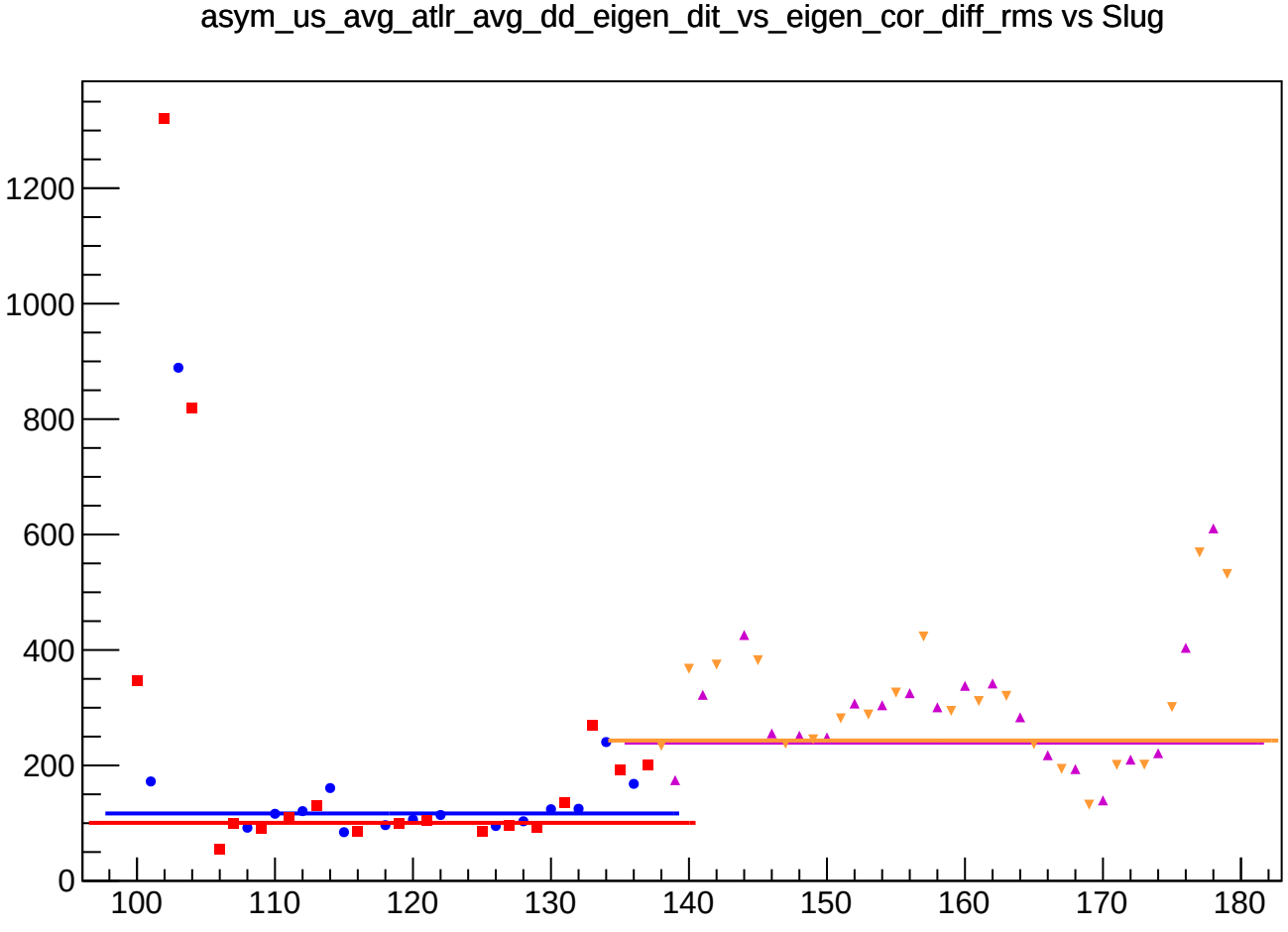
Right Out: 0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: -0.048+/-0.063 χ^2/NDF:26.3/19

+ sign 0.031+/-0.038 χ^2/NDF: 36.0/36

All: 0.009+/-0.026 χ^2/NDF: 89.4/74

- sign -0.011+/-0.036 χ^2/NDF: 52.8/37



Right In: 116.841+/-0.034 χ^2/NDF: 1620812.6/15

Left Out: 243.194+/-0.045 χ^2/NDF:3578530.3/20

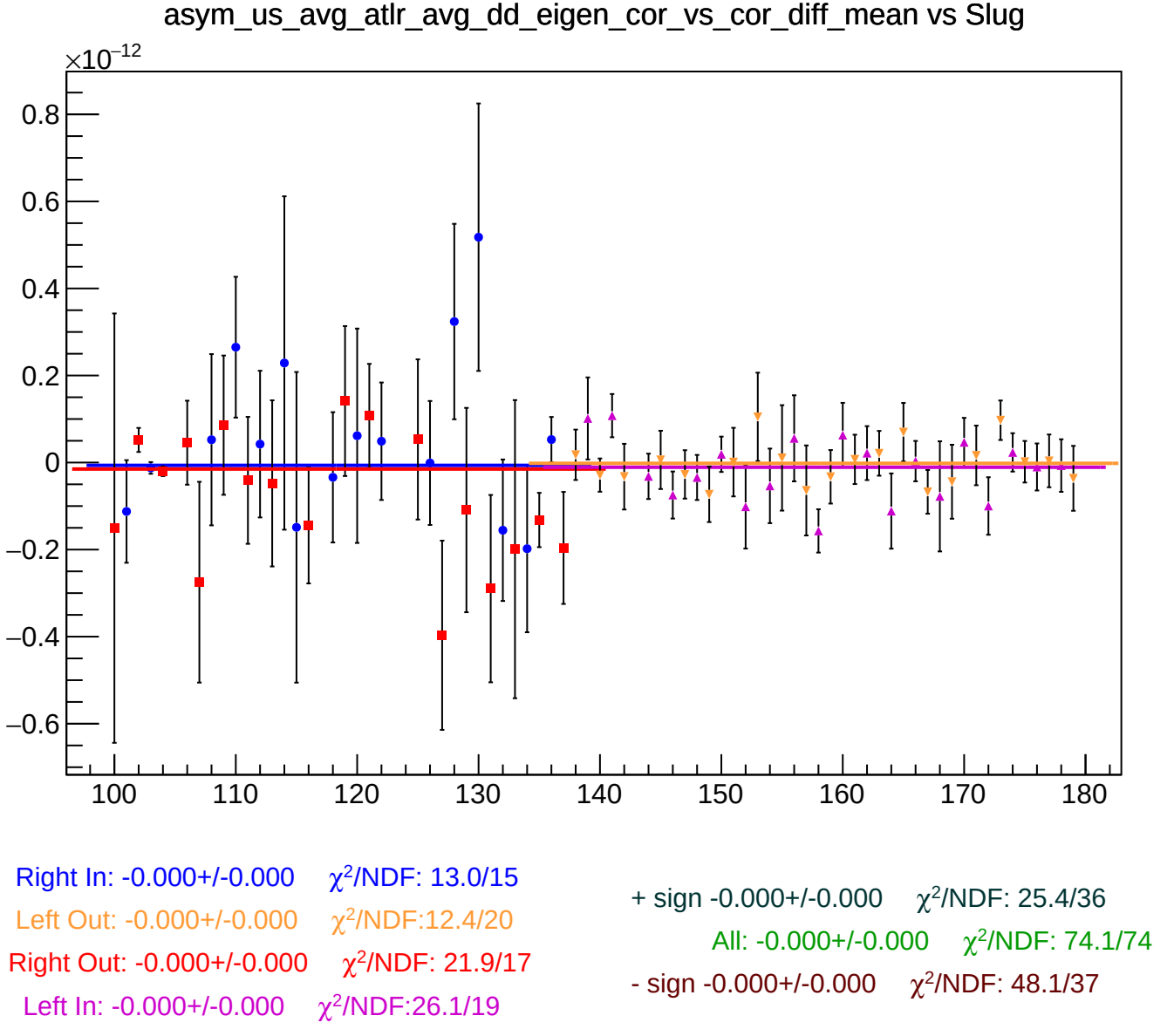
Right Out: 100.543+/-0.031 χ^2/NDF: 2664231.9/17

Left In: 239.492+/-0.045 χ^2/NDF:3063150.6/19

+ sign 161.440+/-0.027 χ^2/NDF: 10201825.0/36

All: 152.588+/-0.018 χ^2/NDF: 22666814.6/74

- sign 144.800+/-0.025 χ^2/NDF: 12262896.1/37


asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
0.8
0.6
0.4
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0
−0.2
−0.4
−0.6
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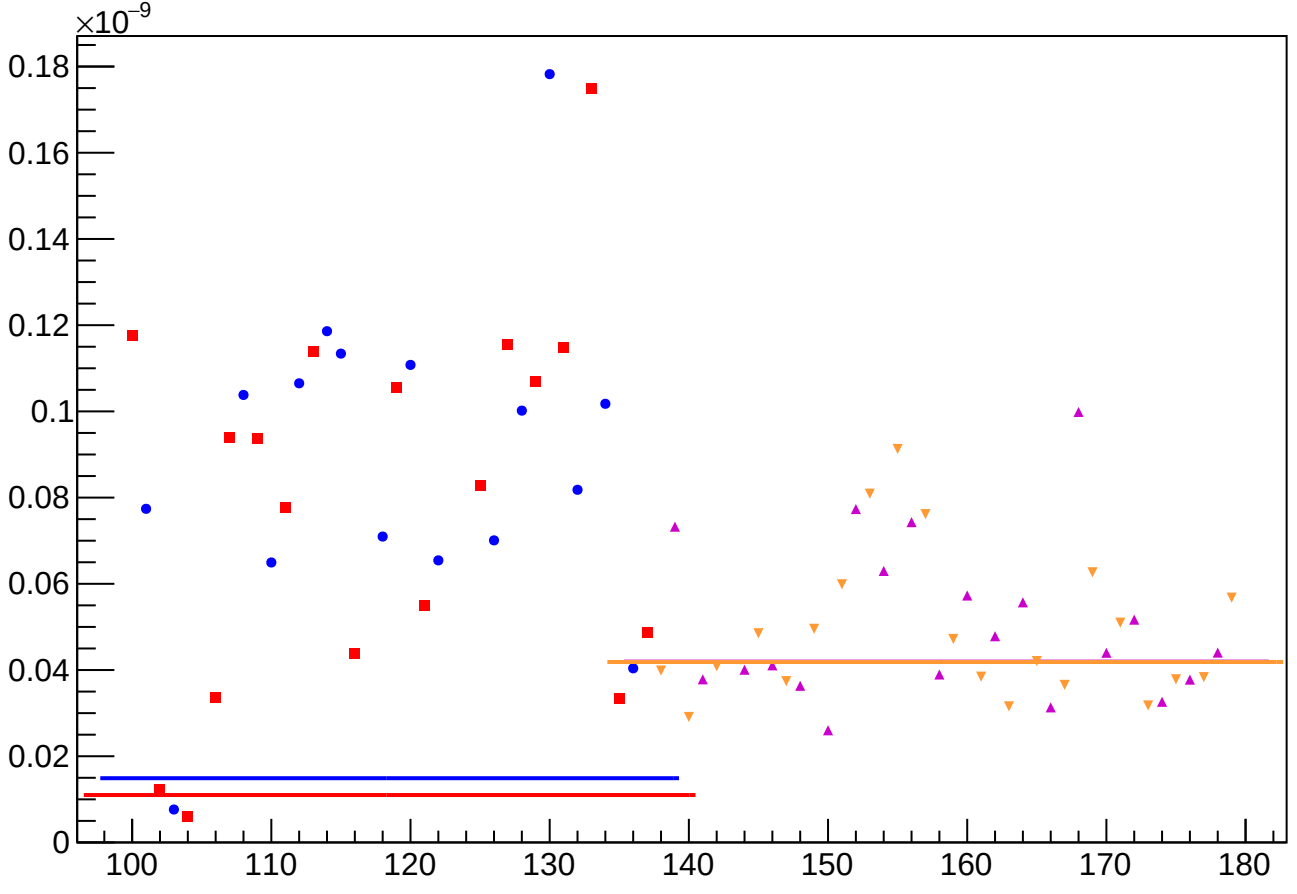
Right In: -0.000+/-0.000 χ²/NDF: 13.0/15
Left Out: -0.000+/-0.000 χ²/NDF:12.4/20
Right Out: -0.000+/-0.000 χ²/NDF: 21.9/17
Left In: -0.000+/-0.000 χ²/NDF:26.1/19
+ sign -0.000+/-0.000 χ²/NDF: 25.4/36
All: -0.000+/-0.000 χ²/NDF: 74.1/74
- sign -0.000+/-0.000 χ²/NDF: 48.1/37



Right In: 0.000+/-0.000 χ^2/NDF: 5893030.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1720669.5/20

Right Out: 0.000+/-0.000 χ^2/NDF: 5866969.2/17

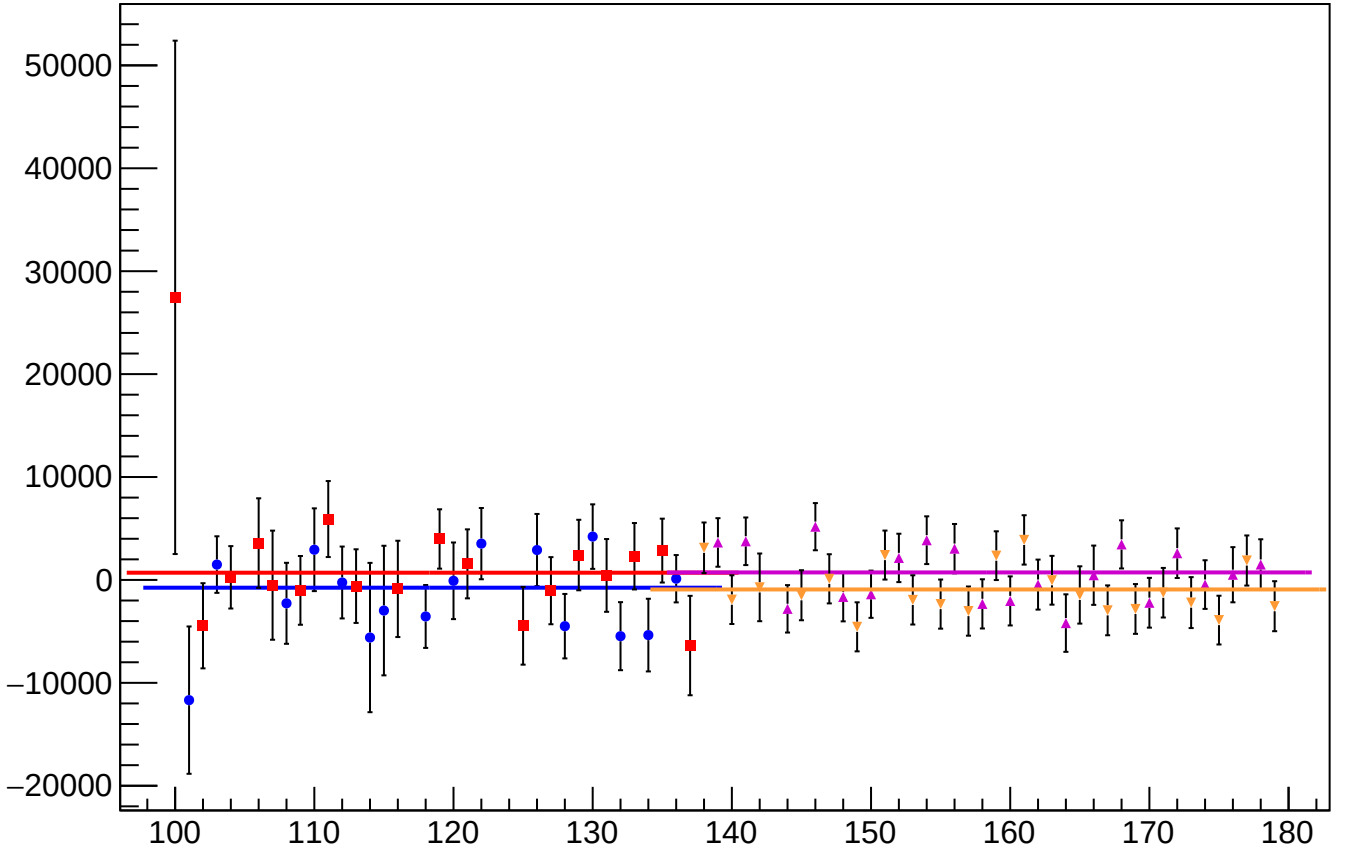
Left In: 0.000+/-0.000 χ^2/NDF:2010107.0/19

+ sign 0.000+/-0.000 χ^2/NDF: 11994080.6/36

All: 0.000+/-0.000 χ^2/NDF: 27324180.3/74

- sign 0.000+/-0.000 χ^2/NDF: 14925574.2/37

reg_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -754.291+/-872.652 χ^2/NDF: 15.9/15

Left Out: -925.196+/-533.679 χ^2/NDF:19.8/20

Right Out: 702.198+/-868.647 χ^2/NDF: 12.4/17

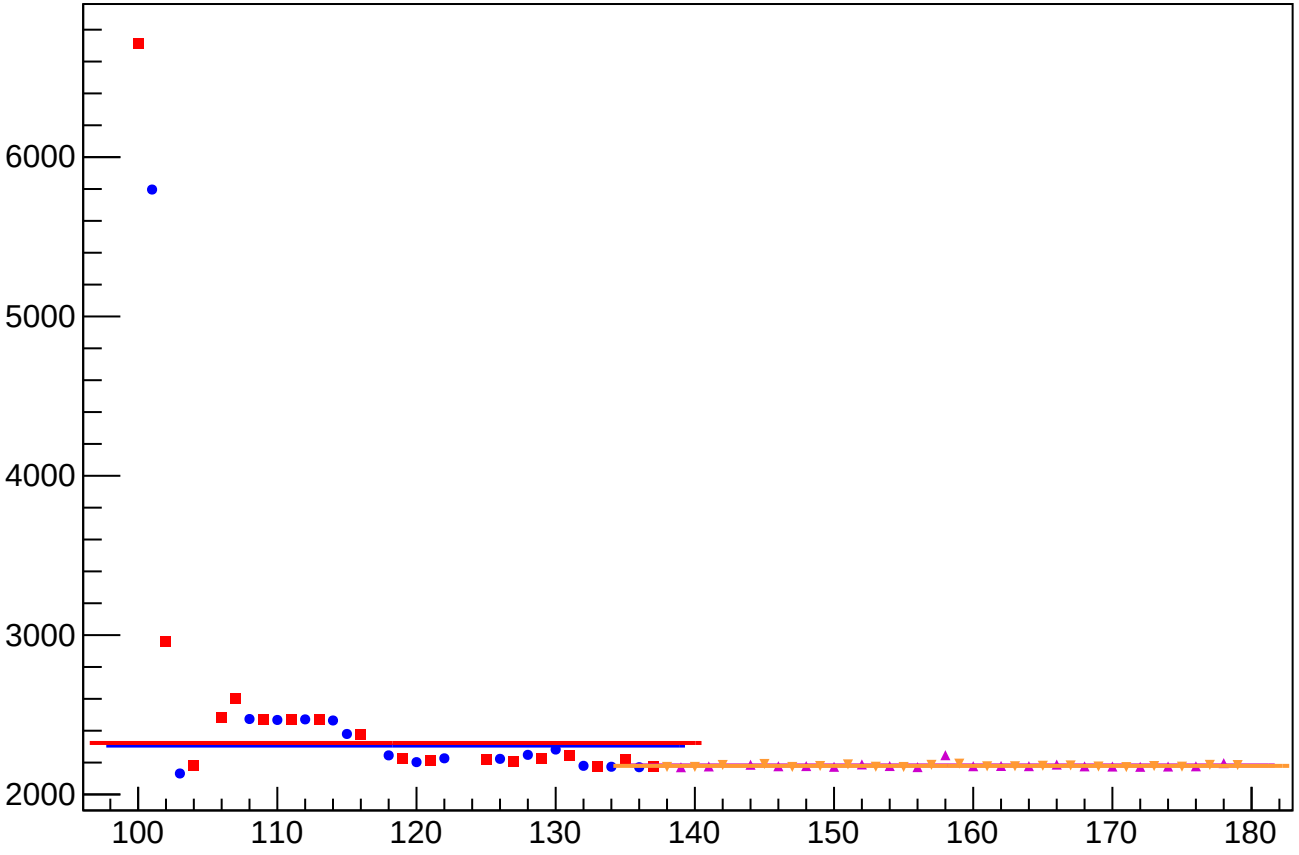
Left In: 729.289+/-539.717 χ^2/NDF:24.5/19

\+ sign -878.676+/-455.288 χ^2/NDF: 35.7/36

All: -83.976+/-323.043 χ^2/NDF: 78.7/74

\- sign 721.744+/-458.433 χ^2/NDF: 36.8/37

reg_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.3/15

Left Out: 2179.283+/-0.377 χ^2/NDF:305.5/20

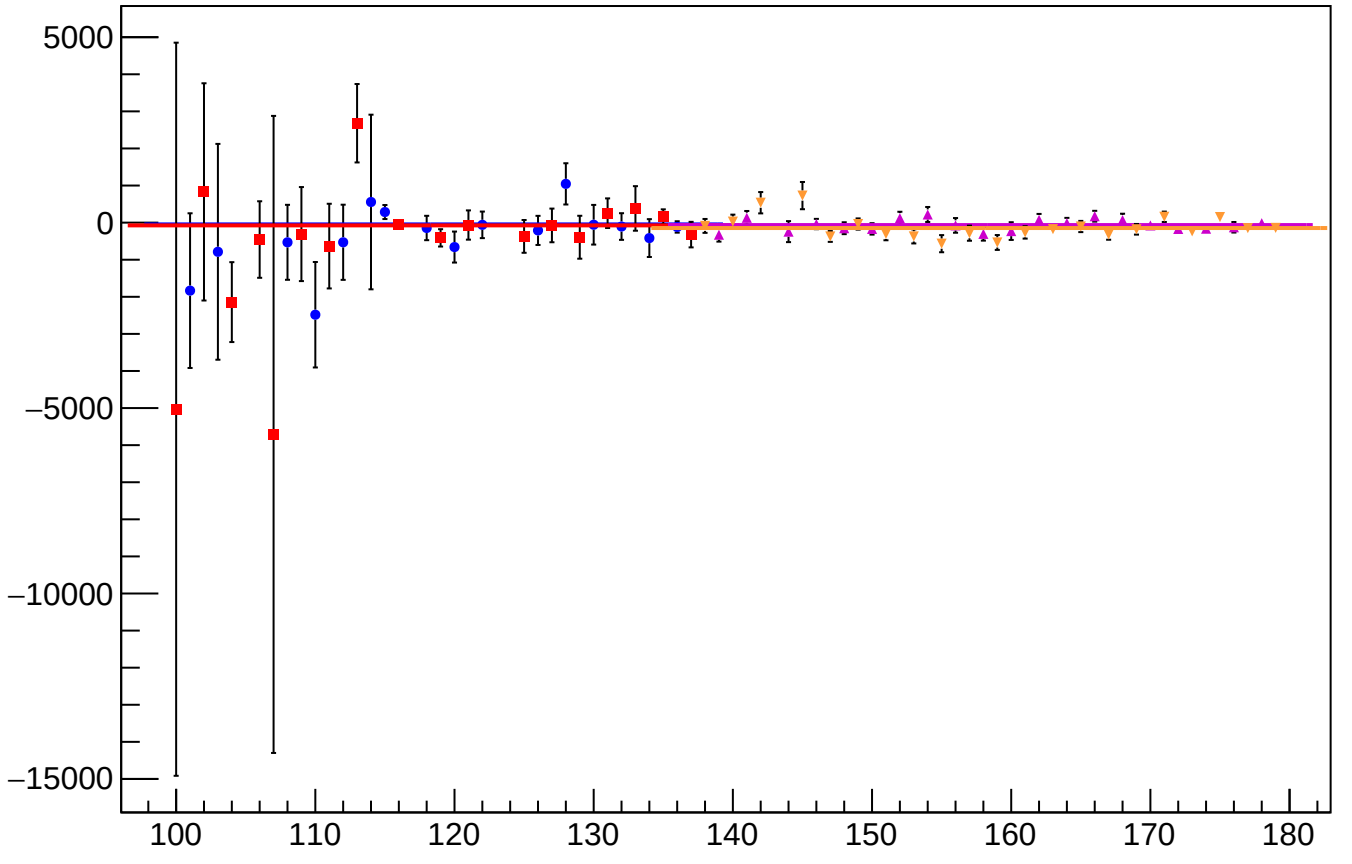
Right Out: 2323.010+/-0.614 χ^2/NDF: 151787.1/17

Left In: 2182.058+/-0.382 χ^2/NDF:1779.2/19

\+ sign 2213.951+/-0.322 χ^2/NDF: 545460.2/36

All: 2217.609+/-0.228 χ^2/NDF: 737280.3/74

\- sign 2221.317+/-0.324 χ^2/NDF: 191560.1/37



Right In: -47.927+/-90.914 χ^2/NDF: 14.4/15

Left Out: -145.726+/-33.962 χ^2/NDF:39.4/20

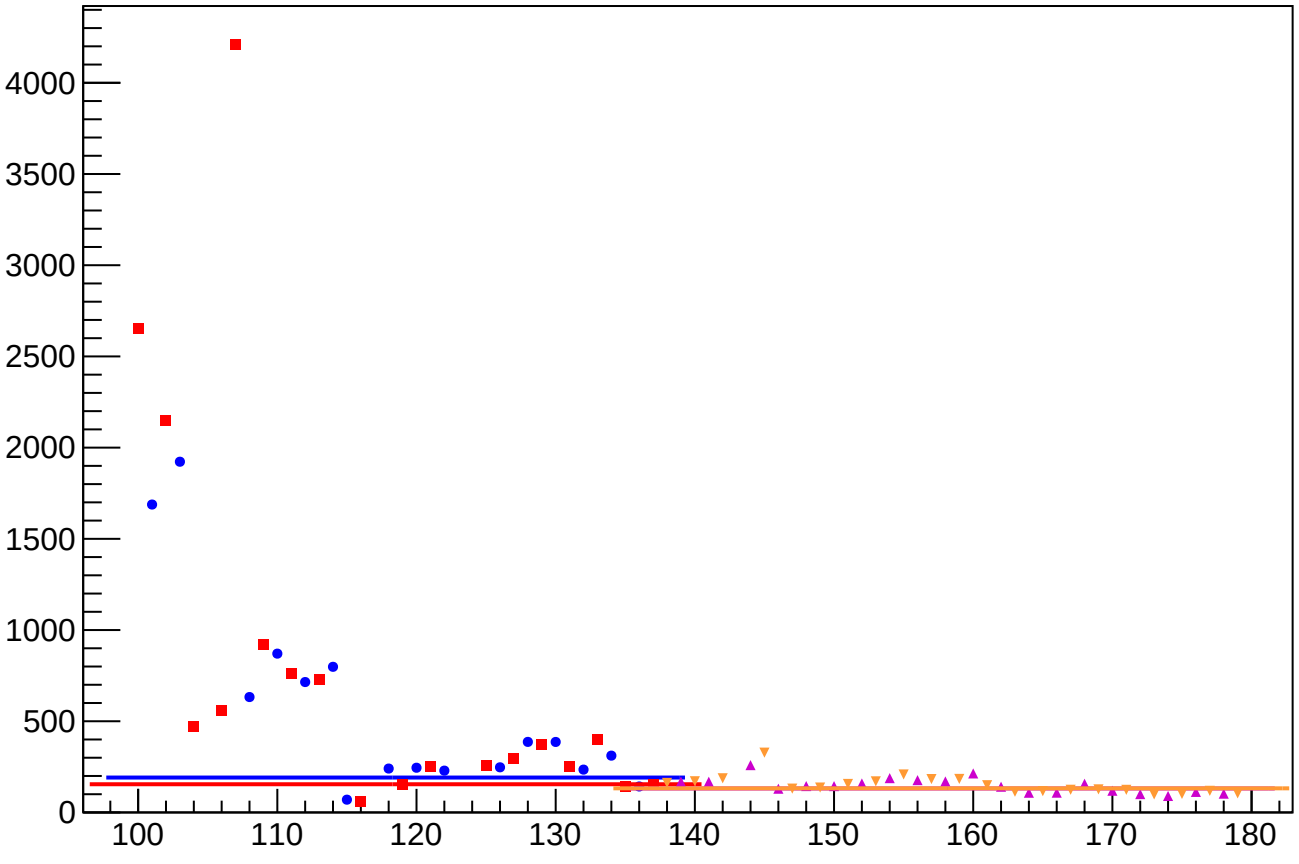
Right Out: -74.200+/-82.384 χ^2/NDF: 17.6/17

Left In: -65.897+/-34.210 χ^2/NDF:15.9/19

+ sign -133.750+/-31.814 χ^2/NDF: 54.8/36

All: -100.203+/-22.418 χ^2/NDF: 90.5/74

- sign -67.118+/-31.594 χ^2/NDF: 33.5/37



Right In: 191.381+/-0.064 χ^2/NDF: 5064747.7/15

Left Out: 132.239+/-0.024 χ^2/NDF:1921098.6/20

Right Out: 154.677+/-0.058 χ^2/NDF: 6154285.9/17

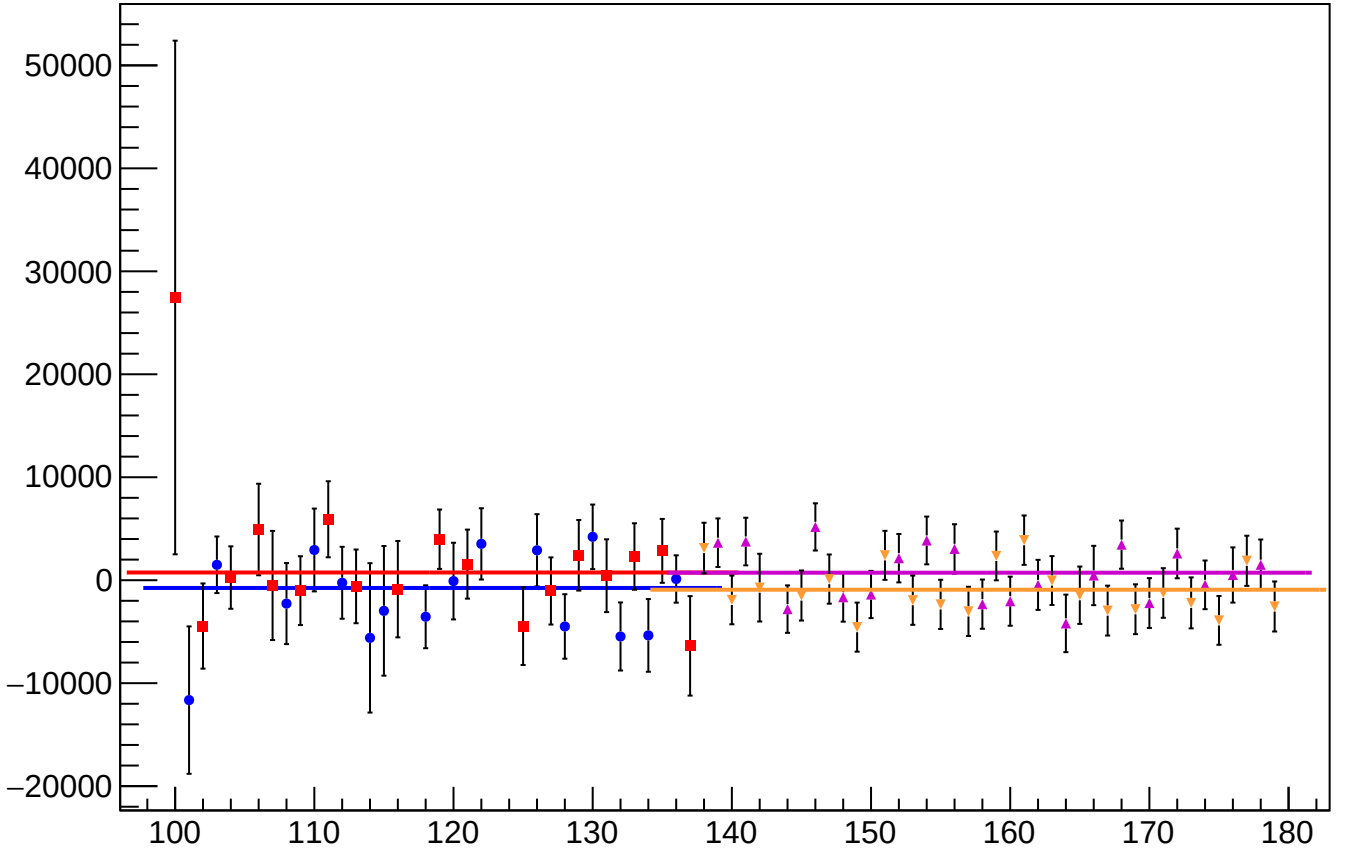
Left In: 131.379+/-0.024 χ^2/NDF:2038219.5/19

+ sign 139.481+/-0.022 χ^2/NDF: 7728566.7/36

All: 137.127+/-0.016 χ^2/NDF: 16079247.9/74

- sign 134.805+/-0.022 χ^2/NDF: 8328930.5/37

cor_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -753.322+/-872.653 χ^2/NDF: 15.9/15

Left Out: -925.162+/-533.679 χ^2/NDF:19.8/20

Right Out: 749.316+/-869.366 χ^2/NDF: 12.8/17

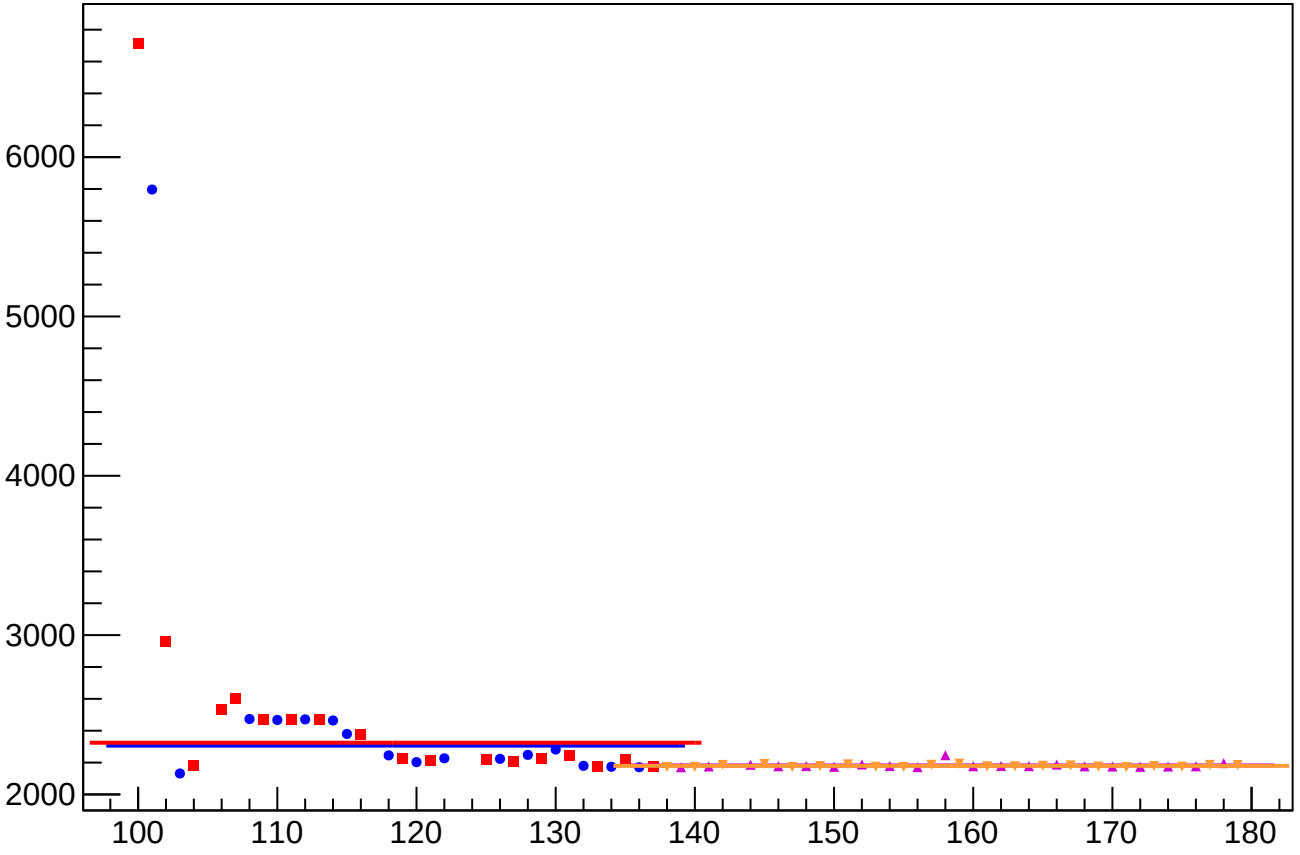
Left In: 729.273+/-539.717 χ^2/NDF:24.5/19

+ sign -878.387+/-455.288 χ^2/NDF: 35.7/36

All: -77.509+/-323.080 χ^2/NDF: 79.2/74

- sign 734.849+/-458.539 χ^2/NDF: 37.3/37

cor_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.6/15

Left Out: 2179.284+/-0.377 χ^2/NDF:305.5/20

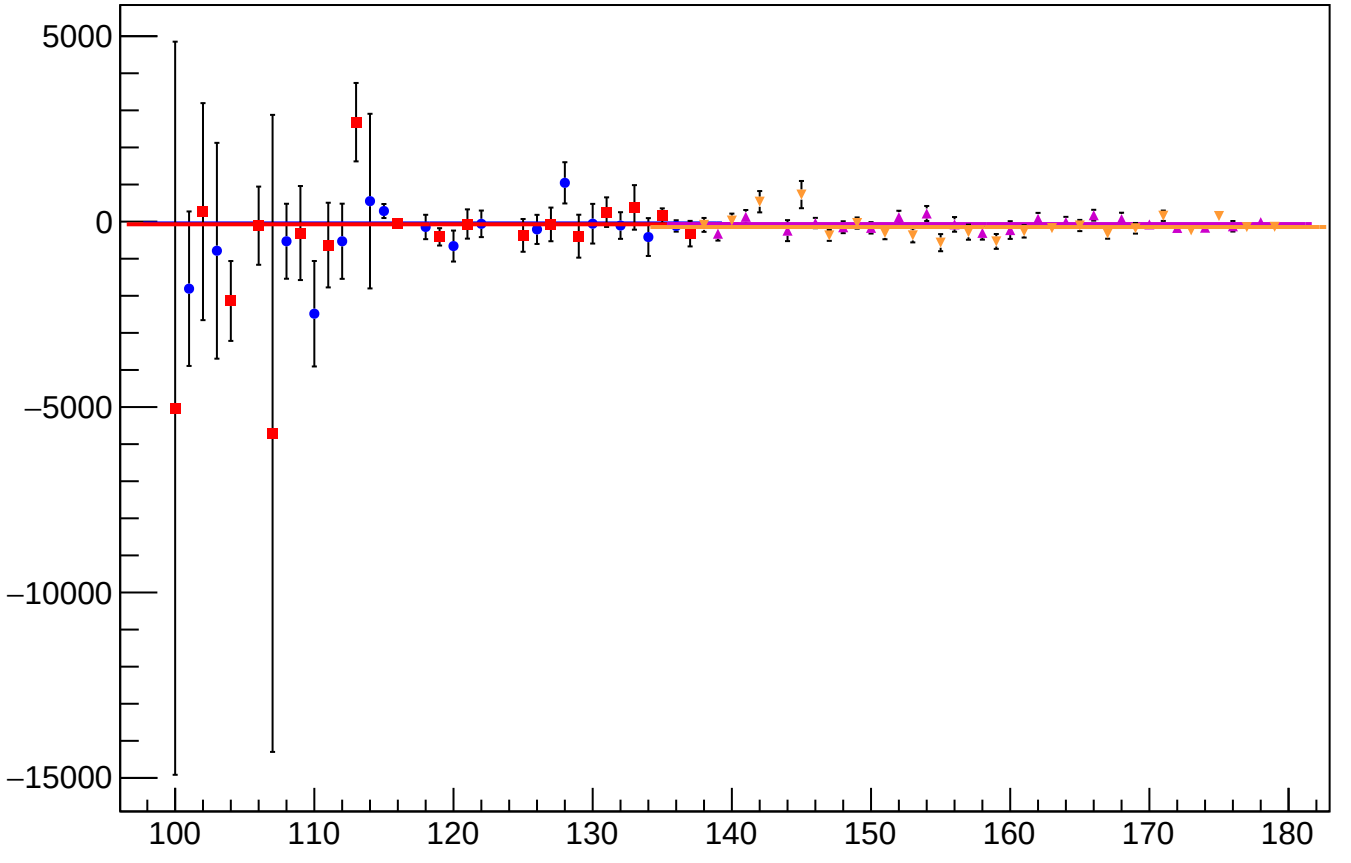
Right Out: 2324.685+/-0.615 χ^2/NDF: 153578.5/17

Left In: 2182.058+/-0.382 χ^2/NDF:1779.2/19

+ sign 2213.951+/-0.322 χ^2/NDF: 545460.5/36

All: 2217.816+/-0.228 χ^2/NDF: 739963.9/74

- sign 2221.736+/-0.324 χ^2/NDF: 194213.1/37



Right In: -47.960+/-90.920 χ^2/NDF: 14.4/15

Left Out: -145.625+/-33.963 χ^2/NDF:39.4/20

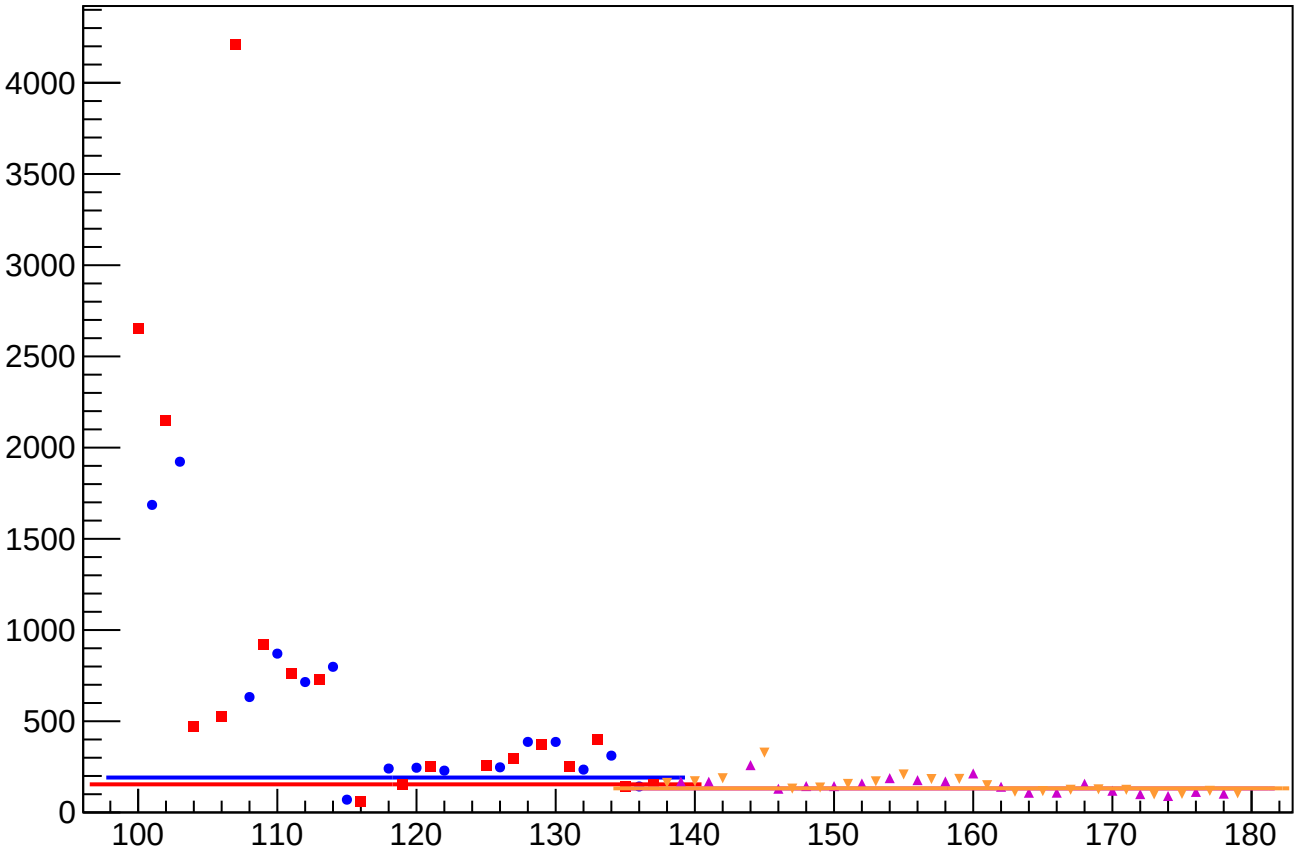
Right Out: -72.198+/-82.322 χ^2/NDF: 17.4/17

Left In: -65.836+/-34.213 χ^2/NDF:15.9/19

+ sign -133.666+/-31.815 χ^2/NDF: 54.7/36

All: -99.985+/-22.418 χ^2/NDF: 90.3/74

- sign -66.773+/-31.593 χ^2/NDF: 33.3/37



Right In: 191.405+/-0.064 χ^2/NDF: 5063603.7/15

Left Out: 132.242+/-0.024 χ^2/NDF:1920759.7/20

Right Out: 154.121+/-0.058 χ^2/NDF: 6108665.0/17

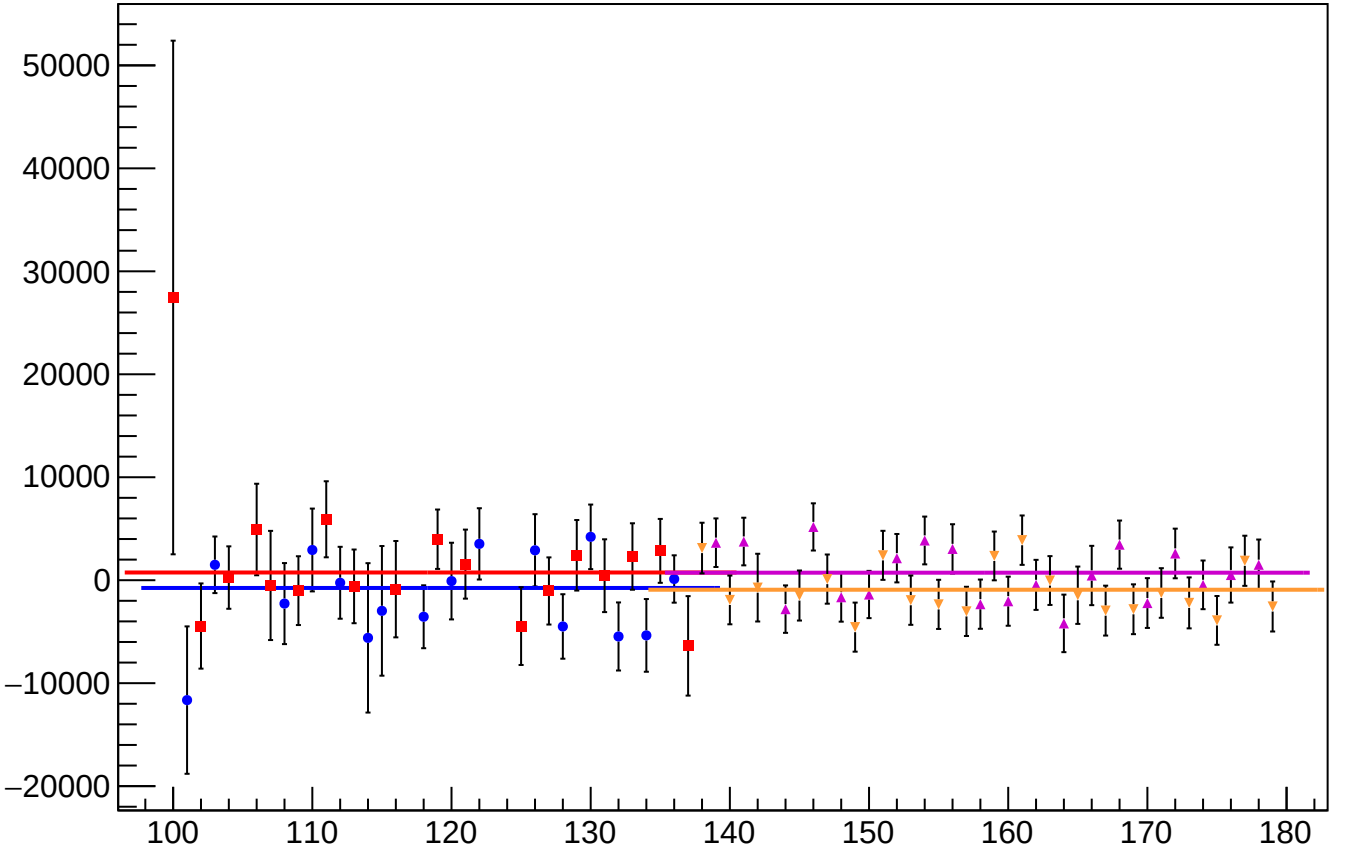
Left In: 131.389+/-0.024 χ^2/NDF:2038396.0/19

+ sign 139.486+/-0.022 χ^2/NDF: 7727526.6/36

All: 137.095+/-0.016 χ^2/NDF: 16027069.3/74

- sign 134.737+/-0.022 χ^2/NDF: 8277101.7/37

eigen_cor_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -753.322+/-872.653 χ^2/NDF: 15.9/15

Left Out: -925.162+/-533.679 χ^2/NDF:19.8/20

Right Out: 749.316+/-869.366 χ^2/NDF: 12.8/17

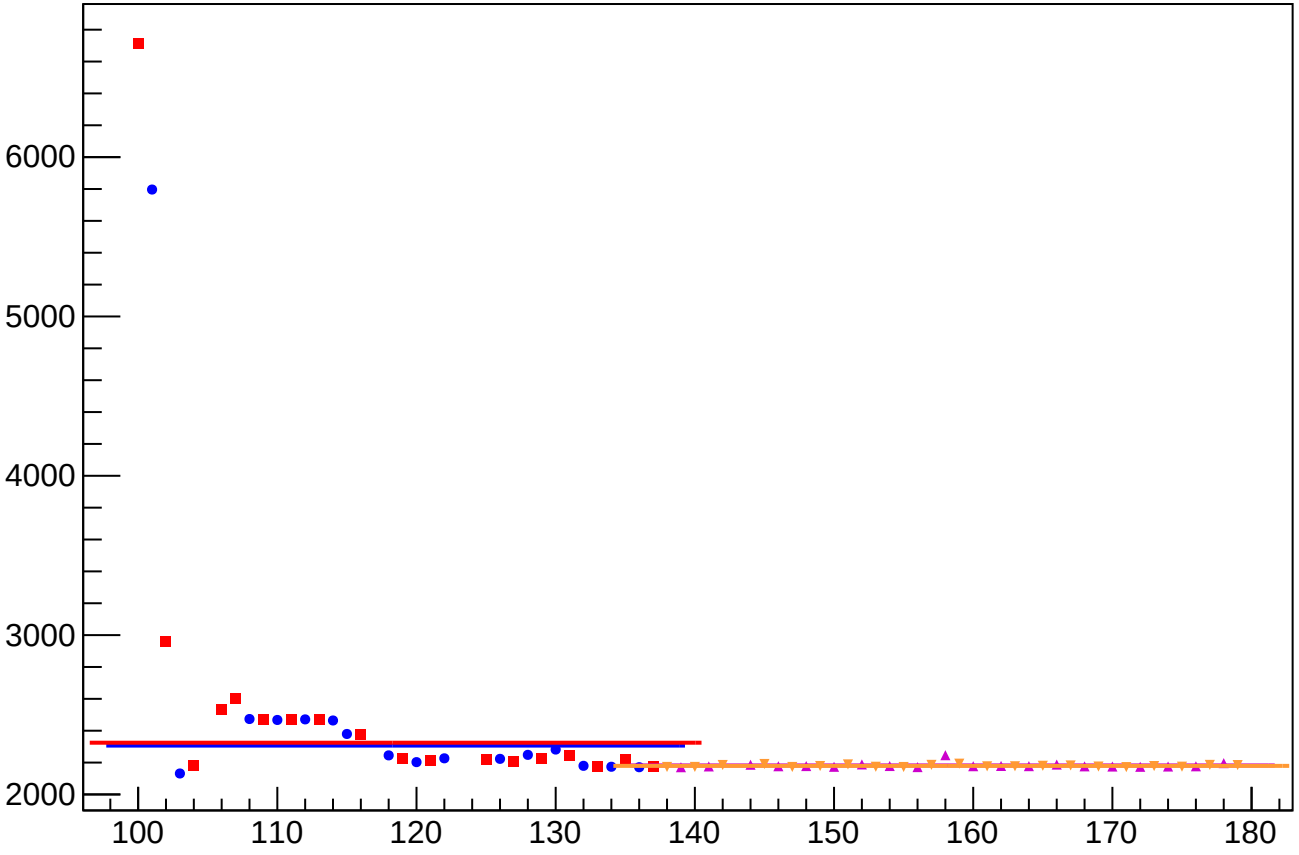
Left In: 729.273+/-539.717 χ^2/NDF:24.5/19

\+ sign -878.387+/-455.288 χ^2/NDF: 35.7/36

All: -77.509+/-323.080 χ^2/NDF: 79.2/74

\- sign 734.849+/-458.539 χ^2/NDF: 37.3/37

eigen_cor_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.6/15

Left Out: 2179.284+/-0.377 χ^2/NDF:305.5/20

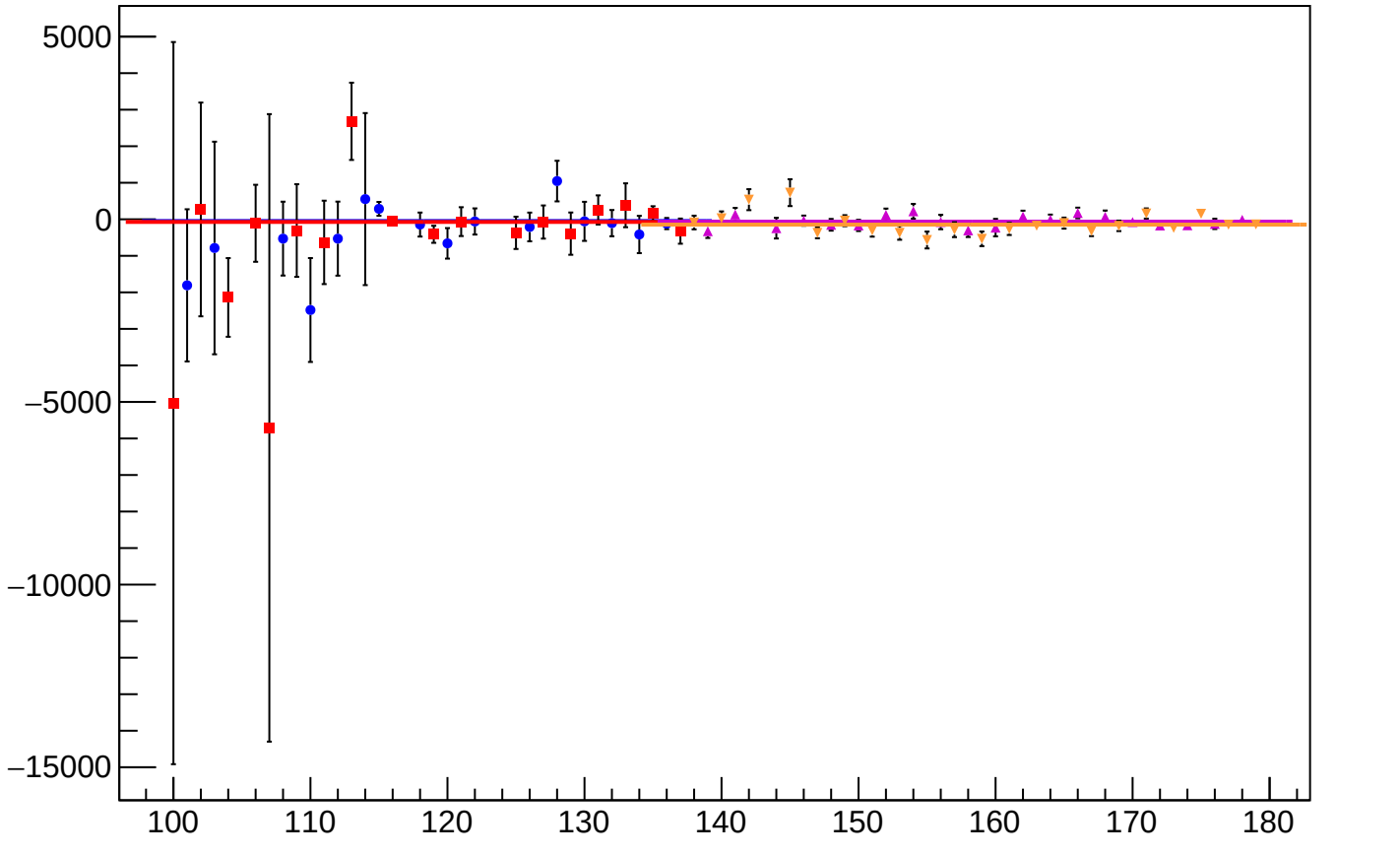
Right Out: 2324.685+/-0.615 χ^2/NDF: 153578.5/17

Left In: 2182.058+/-0.382 χ^2/NDF:1779.2/19

+ sign 2213.951+/-0.322 χ^2/NDF: 545460.5/36

All: 2217.816+/-0.228 χ^2/NDF: 739963.9/74

- sign 2221.736+/-0.324 χ^2/NDF: 194213.1/37



Right In: -47.960+/-90.920 χ^2/NDF: 14.4/15

Left Out: -145.625+/-33.963 χ^2/NDF:39.4/20

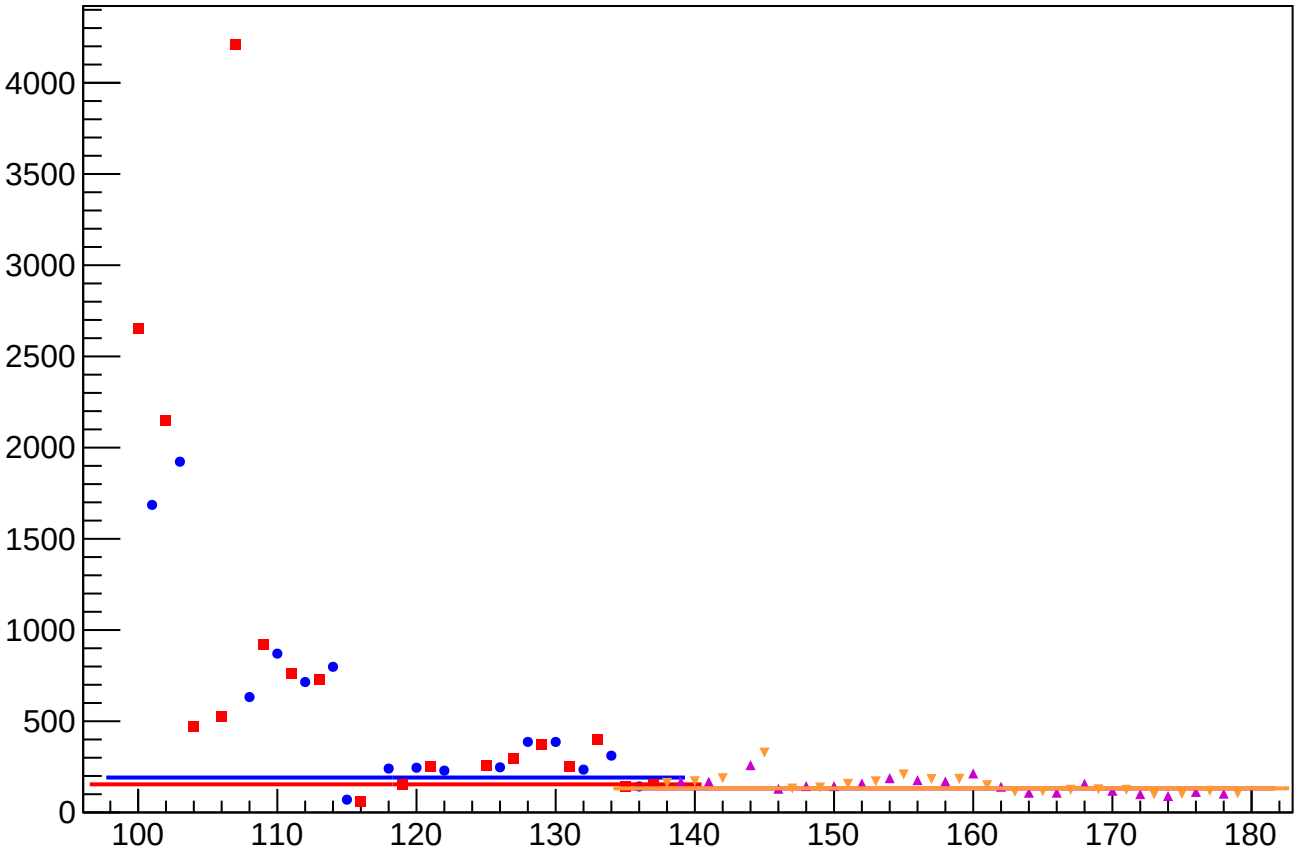
Right Out: -72.198+/-82.322 χ^2/NDF: 17.4/17

Left In: -65.836+/-34.213 χ^2/NDF:15.9/19

+ sign -133.666+/-31.815 χ^2/NDF: 54.7/36

All: -99.985+/-22.418 χ^2/NDF: 90.3/74

- sign -66.773+/-31.593 χ^2/NDF: 33.3/37



Right In: 191.405+/-0.064 χ^2/NDF: 5063603.7/15

Left Out: 132.242+/-0.024 χ^2/NDF:1920759.7/20

Right Out: 154.121+/-0.058 χ^2/NDF: 6108665.0/17

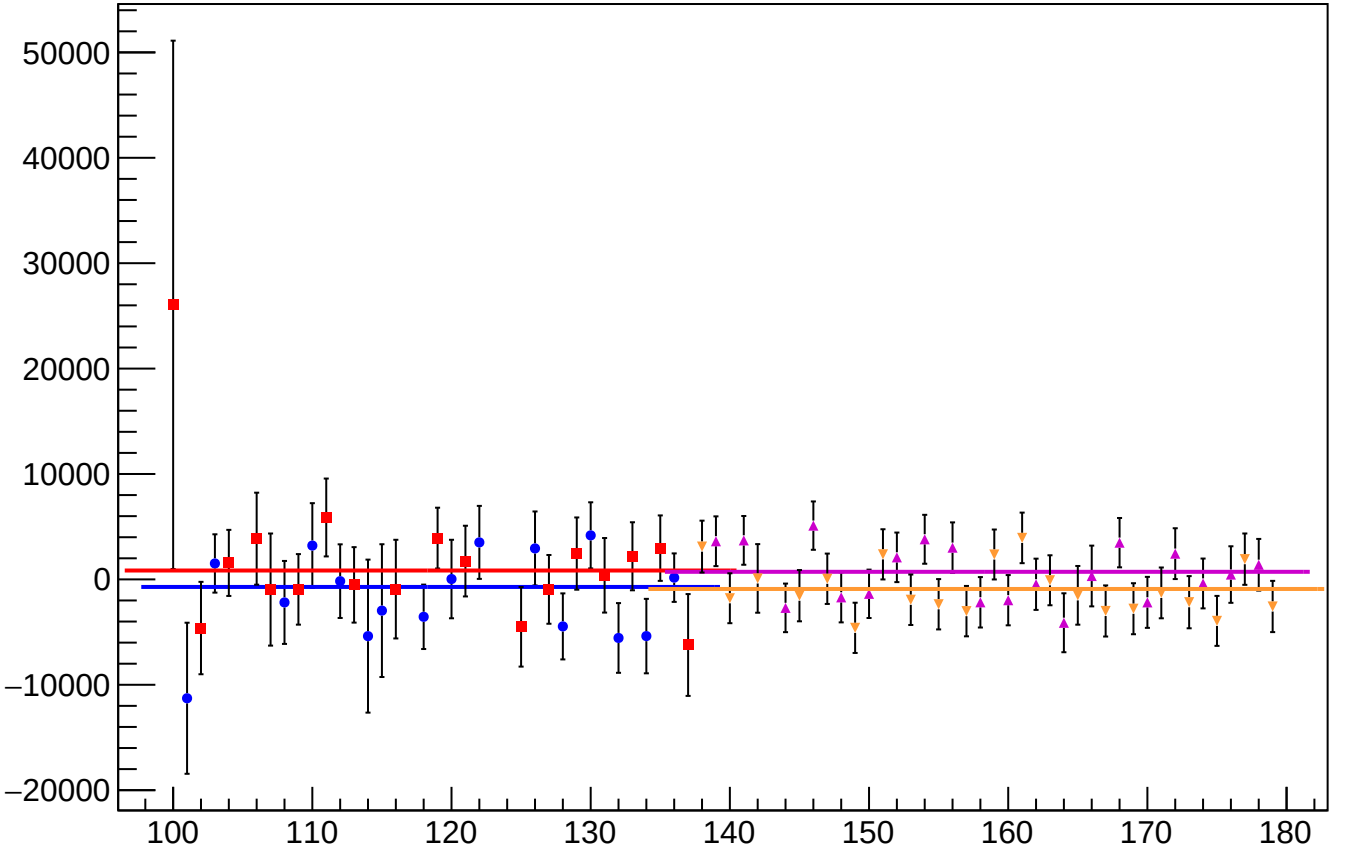
Left In: 131.389+/-0.024 χ^2/NDF:2038396.0/19

+ sign 139.486+/-0.022 χ^2/NDF: 7727526.6/36

All: 137.095+/-0.016 χ^2/NDF: 16027069.3/74

- sign 134.737+/-0.022 χ^2/NDF: 8277101.7/37

dit_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -717.136+/-873.539 χ^2/NDF: 15.8/15

Left Out: -909.460+/-533.721 χ^2/NDF:20.0/20

Right Out: 842.157+/-873.586 χ^2/NDF: 12.2/17

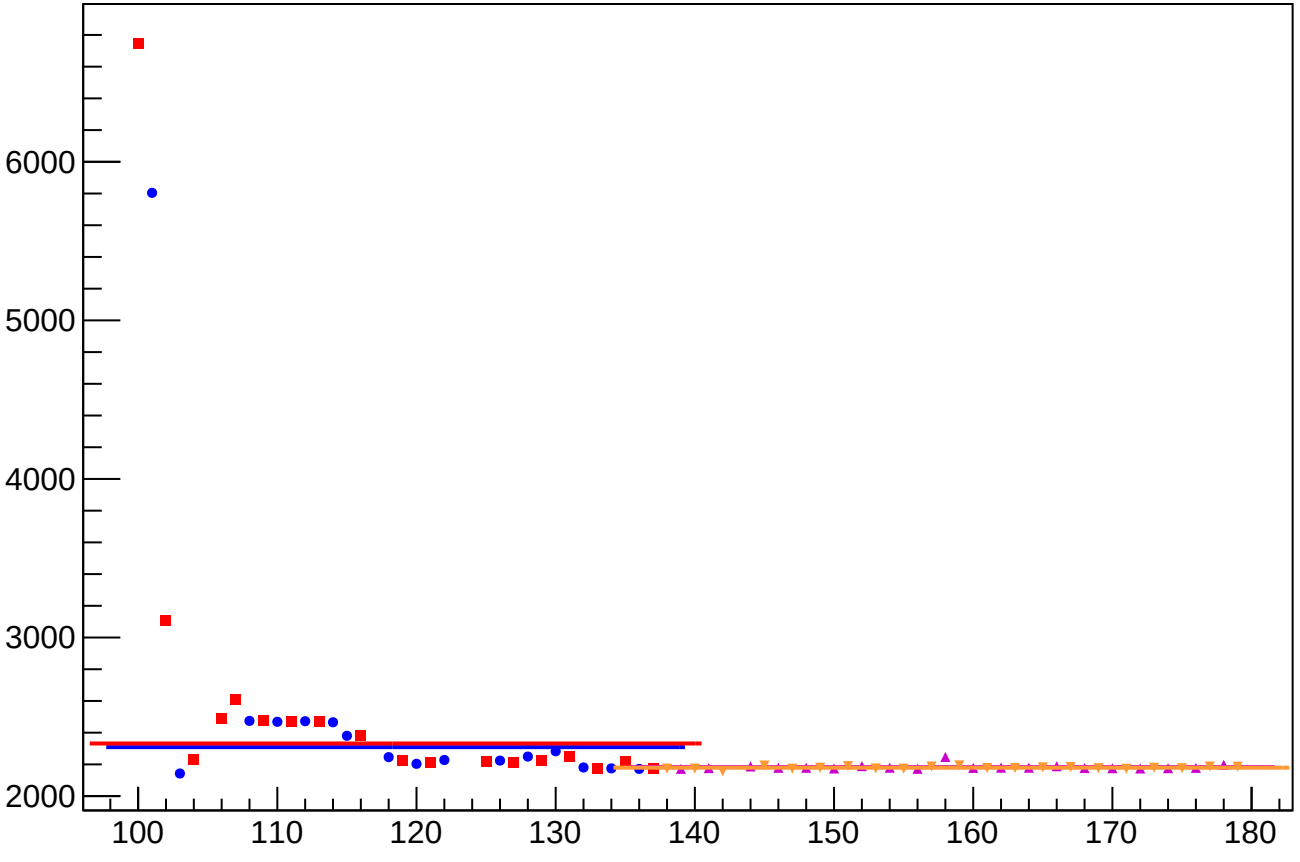
Left In: 718.575+/-539.917 χ^2/NDF:23.5/19

\+ sign -857.181+/-455.440 χ^2/NDF: 35.9/36

All: -58.980+/-323.393 χ^2/NDF: 77.8/74

\- sign 752.733+/-459.278 χ^2/NDF: 35.7/37

dit_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2308.739+/-0.618 χ^2/NDF: 513742.2/15

Left Out: 2179.300+/-0.377 χ^2/NDF:404.2/20

Right Out: 2331.849+/-0.618 χ^2/NDF: 167321.7/17

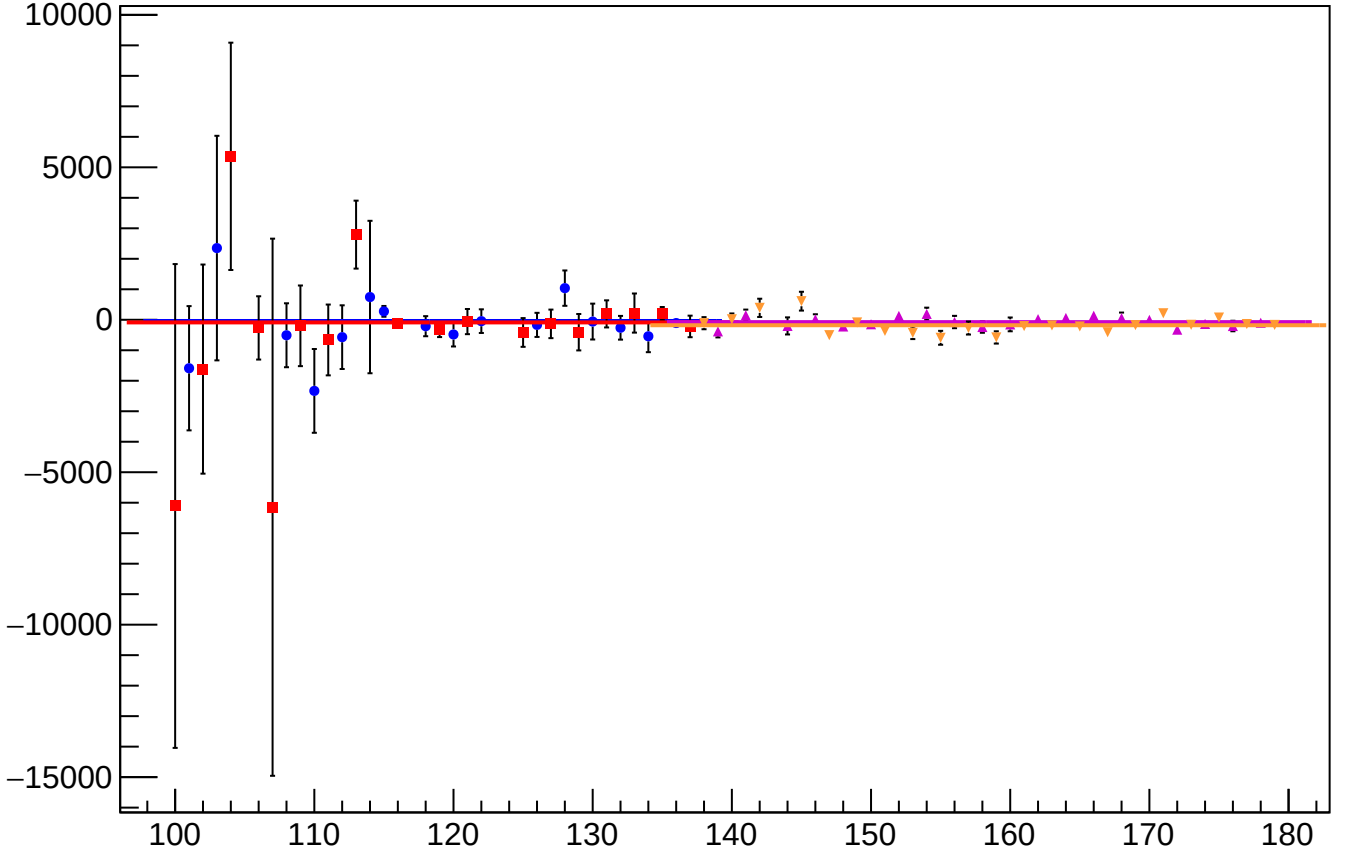
Left In: 2182.868+/-0.382 χ^2/NDF:1774.2/19

\+ sign 2214.485+/-0.322 χ^2/NDF: 546123.1/36

All: 2219.226+/-0.229 χ^2/NDF: 757746.5/74

\- sign 2224.047+/-0.325 χ^2/NDF: 211186.4/37

asym_us_dd_at1lr_dd_avg_dit_correction_mean vs Slug



Right In: -40.119+/-92.409 χ^2/NDF: 14.1/15

Left Out: -179.060+/-35.432 χ^2/NDF:39.6/20

Right Out: -86.379+/-86.088 χ^2/NDF: 15.0/17

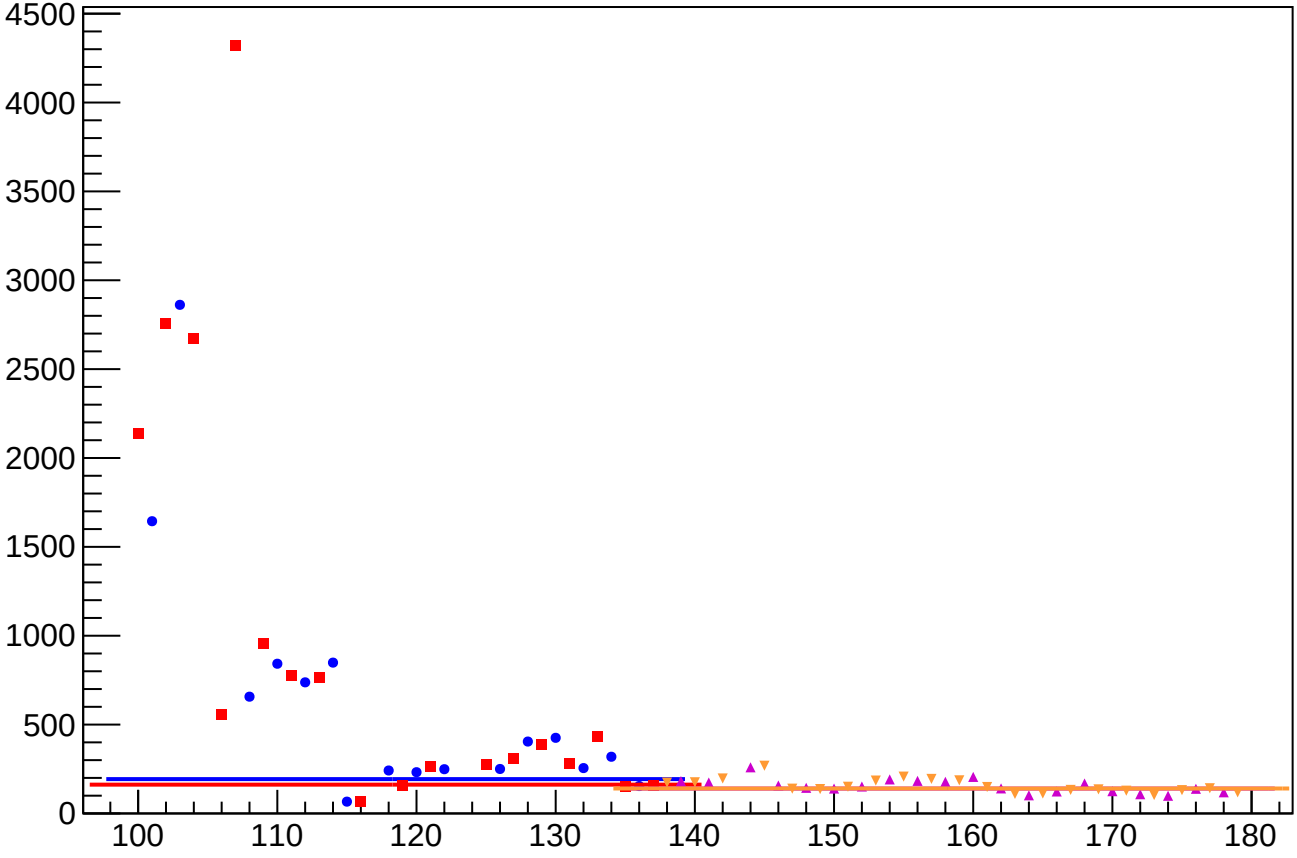
Left In: -77.164+/-35.728 χ^2/NDF:18.5/19

+ sign -161.252+/-33.084 χ^2/NDF: 55.7/36

All: -119.778+/-23.364 χ^2/NDF: 92.2/74

- sign -78.518+/-32.999 χ^2/NDF: 33.4/37

asym_us_dd_at1lr_dd_avg_dit_correction_rms vs Slug



Right In: 193.255+/-0.065 χ^2/NDF: 5617847.0/15

Left Out: 140.432+/-0.025 χ^2/NDF:1534697.6/20

Right Out: 162.114+/-0.061 χ^2/NDF: 7070489.1/17

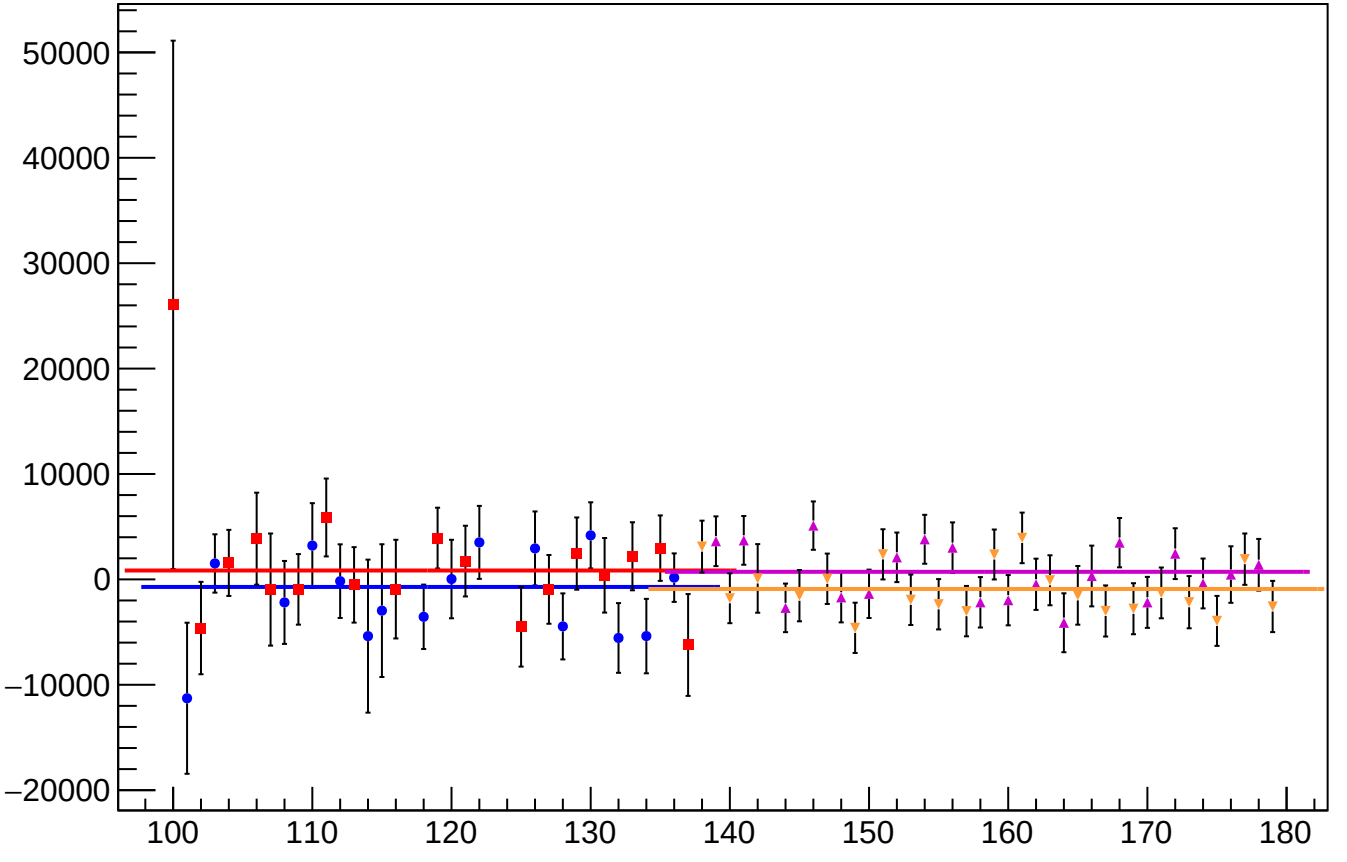
Left In: 139.941+/-0.025 χ^2/NDF:1747154.1/19

+ sign 147.203+/-0.023 χ^2/NDF: 7722283.9/36

All: 145.196+/-0.017 χ^2/NDF: 16667801.4/74

- sign 143.198+/-0.023 χ^2/NDF: 8930830.3/37

eigen_dit_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -717.137+/-873.539 χ^2/NDF: 15.8/15

Left Out: -909.461+/-533.721 χ^2/NDF:20.0/20

Right Out: 842.159+/-873.586 χ^2/NDF: 12.2/17

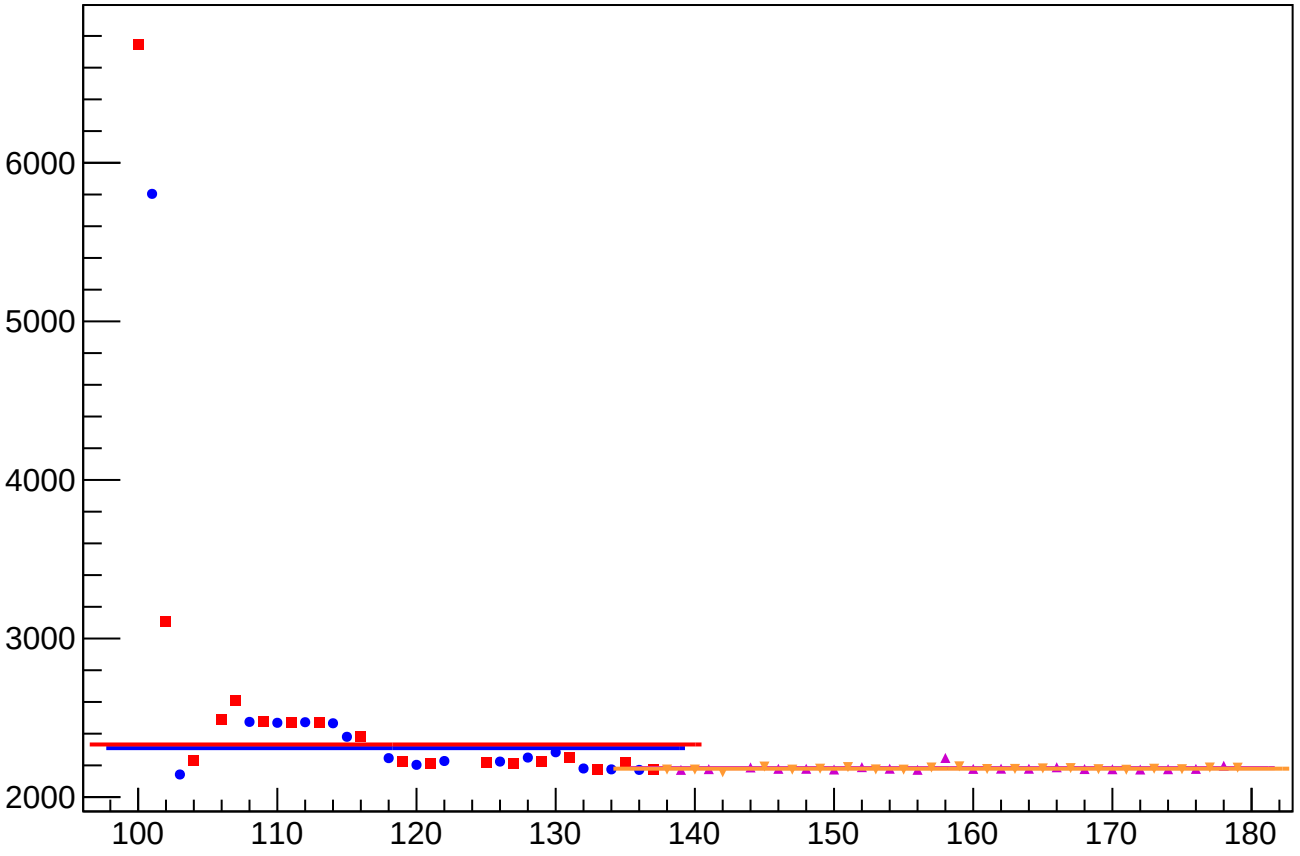
Left In: 718.574+/-539.917 χ^2/NDF:23.5/19

\+ sign -857.182+/-455.439 χ^2/NDF: 35.9/36

All: -58.981+/-323.393 χ^2/NDF: 77.8/74

\- sign 752.733+/-459.278 χ^2/NDF: 35.7/37

eigen_dit_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2308.739+/-0.618 χ^2/NDF: 513742.2/15

Left Out: 2179.300+/-0.377 χ^2/NDF:404.2/20

Right Out: 2331.849+/-0.618 χ^2/NDF: 167321.6/17

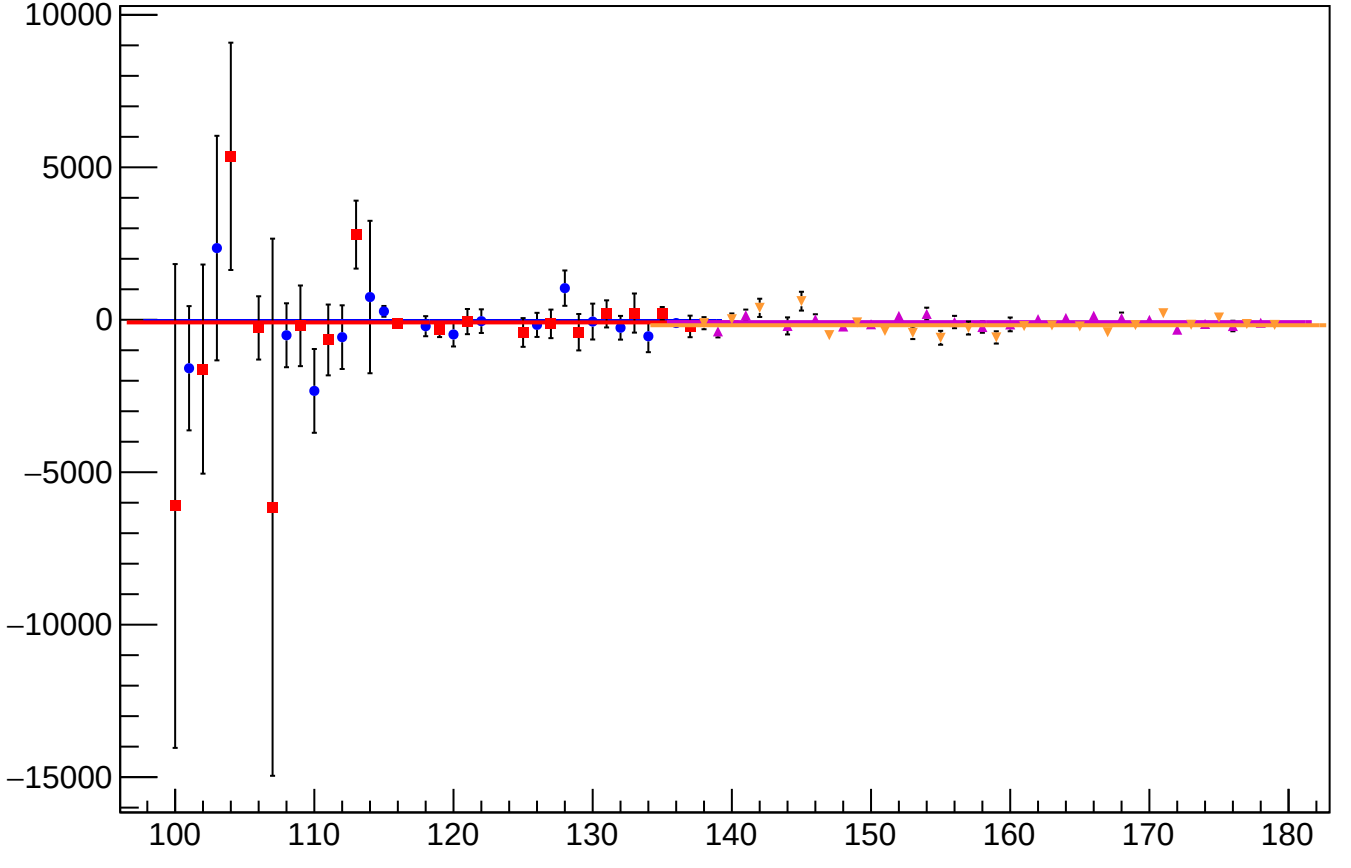
Left In: 2182.868+/-0.382 χ^2/NDF:1774.2/19

+ sign 2214.485+/-0.322 χ^2/NDF: 546123.1/36

All: 2219.226+/-0.229 χ^2/NDF: 757746.4/74

- sign 2224.047+/-0.325 χ^2/NDF: 211186.2/37

asym_us_dd_at1lr_dd_avg_eigen_dit_correction_mean vs Slug



Right In: -40.116+/-92.408 χ^2/NDF: 14.1/15

Left Out: -179.061+/-35.433 χ^2/NDF:39.6/20

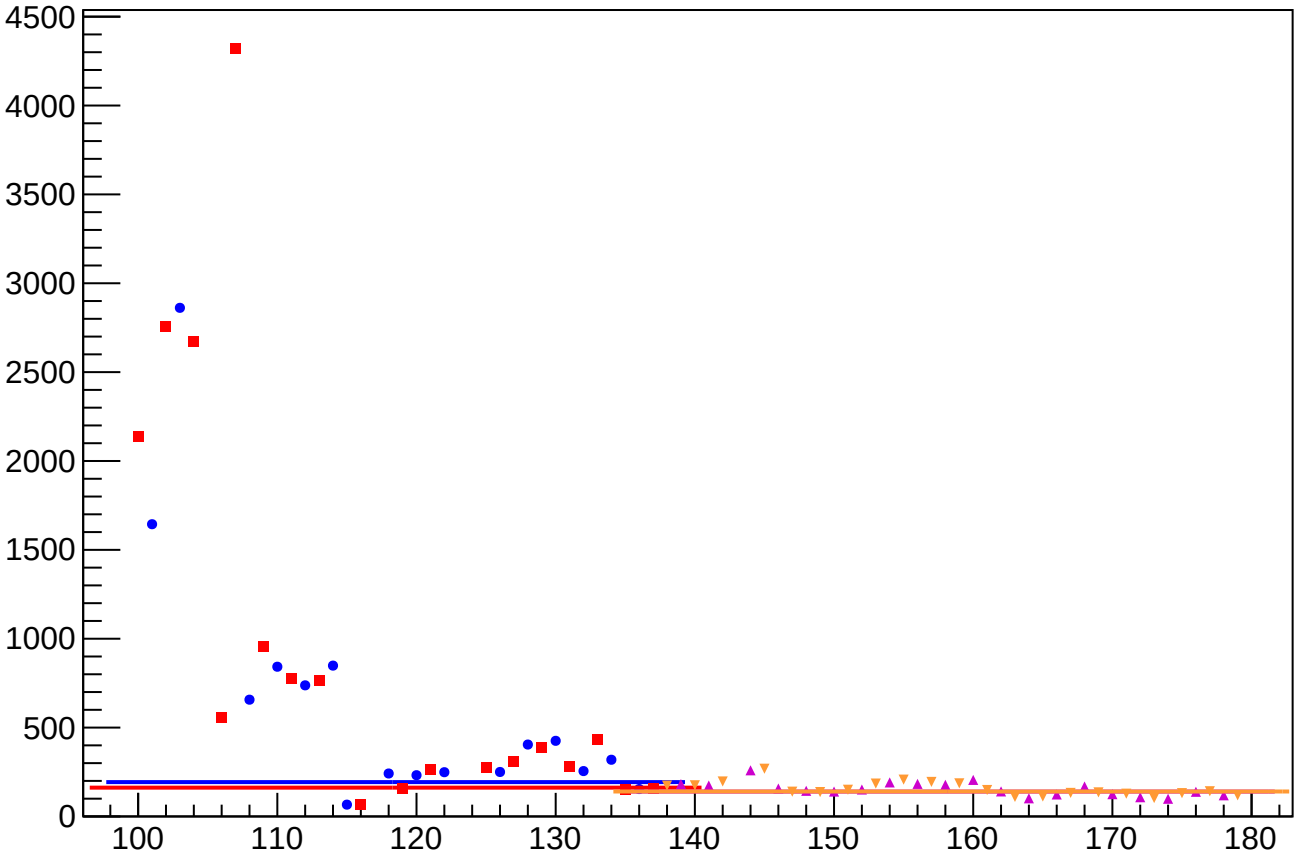
Right Out: -86.380+/-86.087 χ^2/NDF: 15.0/17

Left In: -77.163+/-35.728 χ^2/NDF:18.5/19

+ sign -161.251+/-33.084 χ^2/NDF: 55.7/36

All: -119.778+/-23.364 χ^2/NDF: 92.2/74

- sign -78.517+/-32.999 χ^2/NDF: 33.4/37



Right In: 193.253+/-0.065 χ^2/NDF: 5617884.1/15

Left Out: 140.432+/-0.025 χ^2/NDF:1534711.7/20

Right Out: 162.112+/-0.061 χ^2/NDF: 7070547.9/17

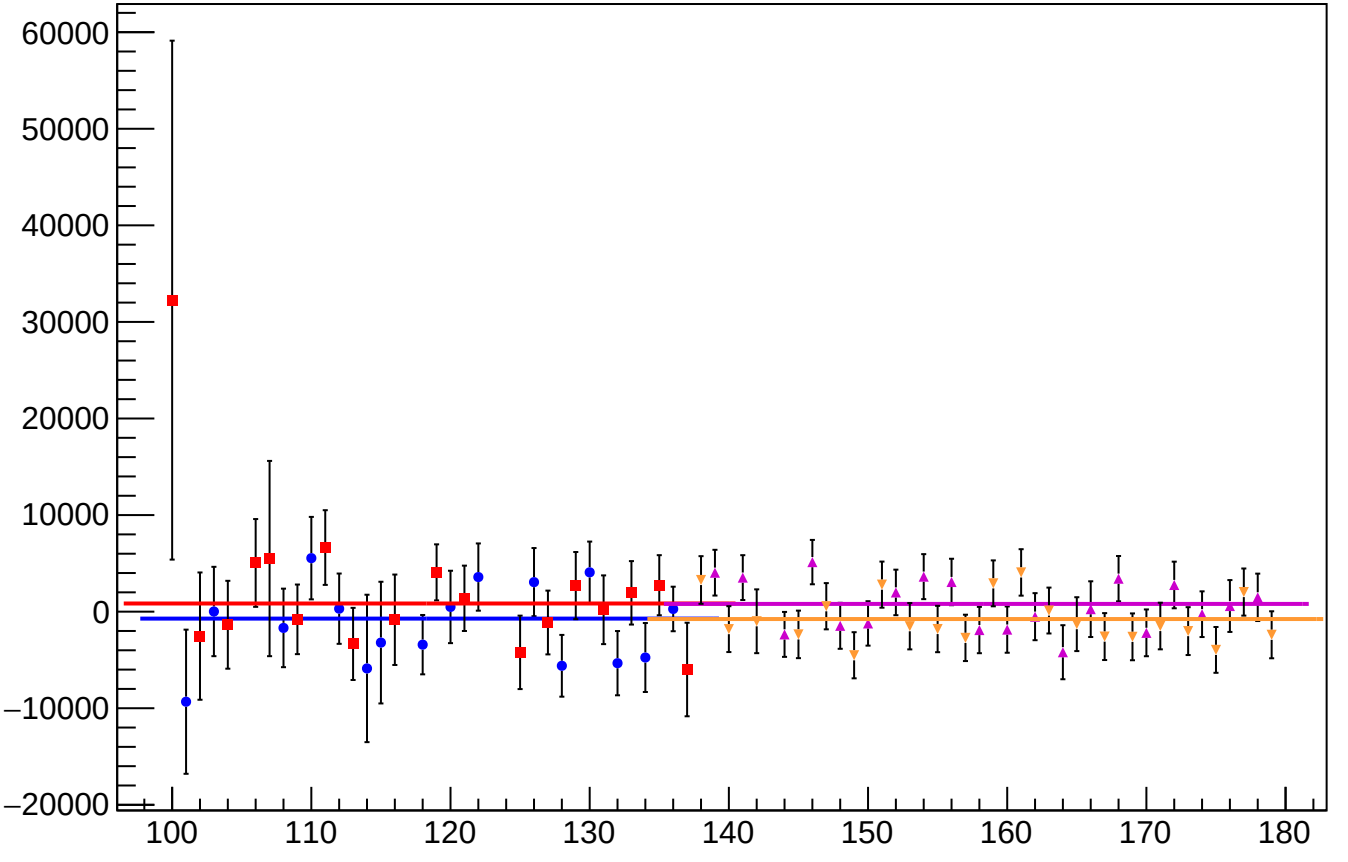
Left In: 139.941+/-0.025 χ^2/NDF:1747189.1/19

+ sign 147.203+/-0.023 χ^2/NDF: 7722293.2/36

All: 145.195+/-0.017 χ^2/NDF: 16667881.8/74

- sign 143.198+/-0.023 χ^2/NDF: 8930901.2/37

asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -719.565+/-916.228 χ^2/NDF: 15.8/15

Left Out: -764.399+/-535.321 χ^2/NDF:20.9/20

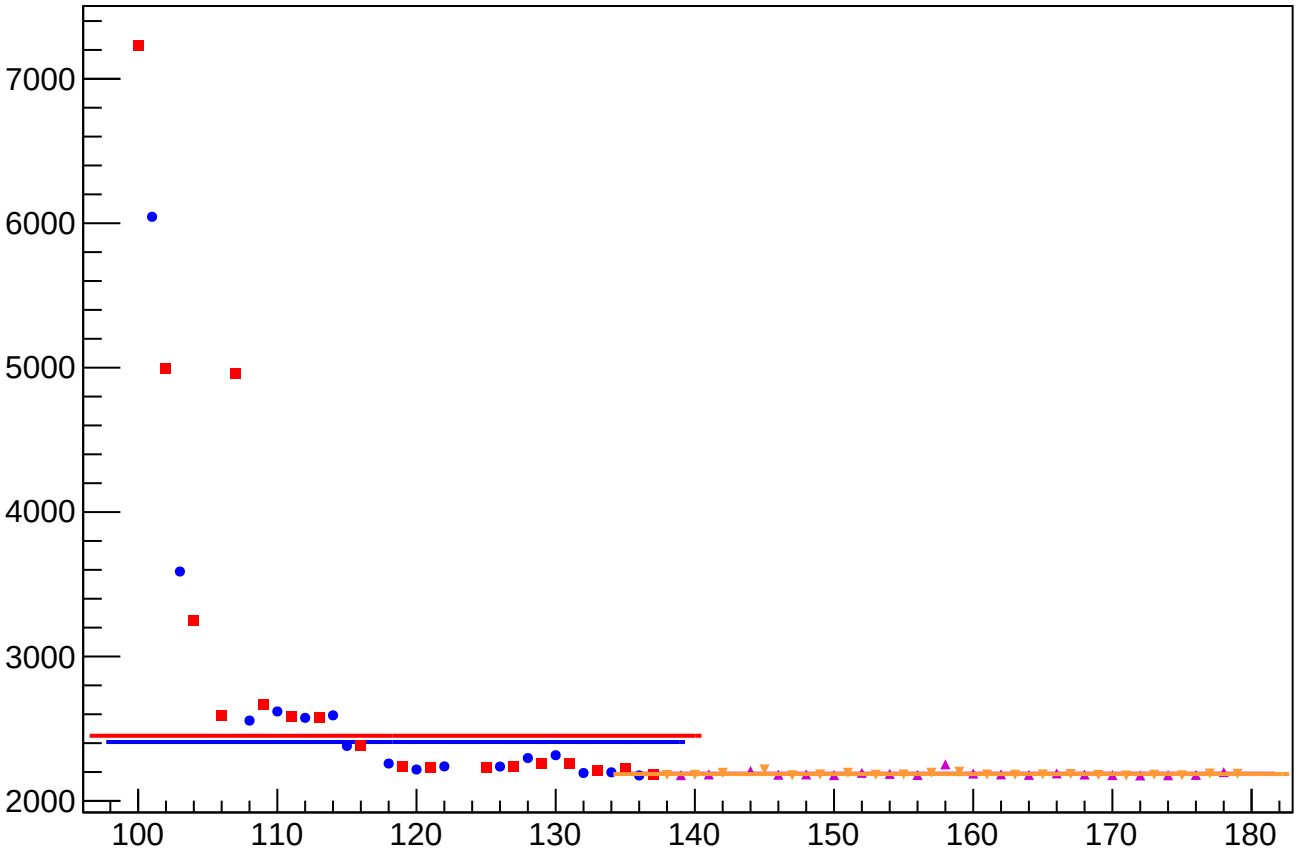
Right Out: 844.810+/-928.703 χ^2/NDF: 12.9/17

Left In: 801.491+/-541.353 χ^2/NDF:22.7/19

\+ sign -752.989+/-462.211 χ^2/NDF: 36.7/36

All: 20.513+/-328.754 χ^2/NDF: 78.0/74

\- sign 812.477+/-467.695 χ^2/NDF: 35.6/37



Right In: 2407.795+/-0.648 χ^2/NDF: 676891.3/15

Left Out: 2185.977+/-0.379 χ^2/NDF:660.6/20

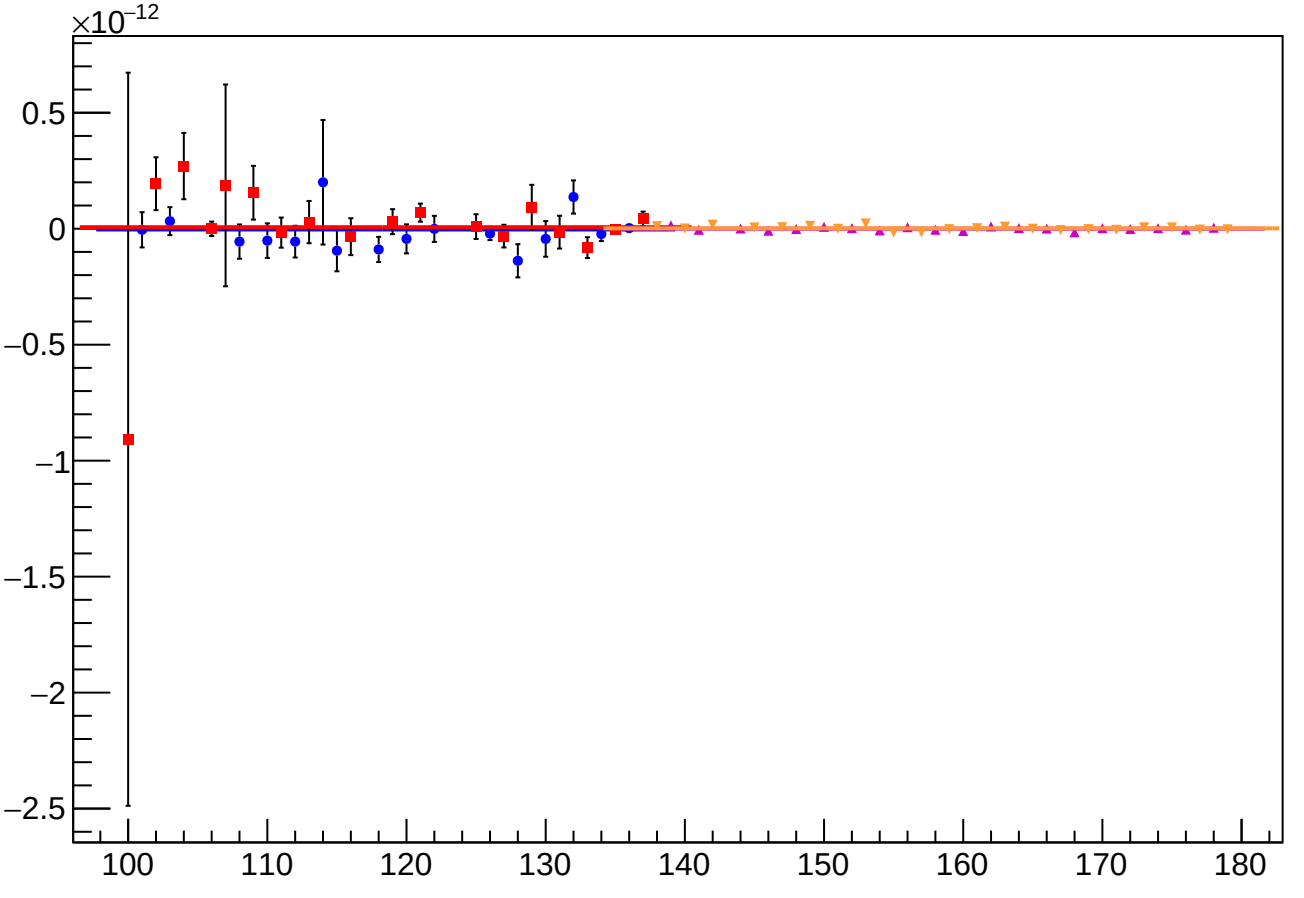
Right Out: 2451.189+/-0.657 χ^2/NDF: 633600.1/17

Left In: 2188.664+/-0.383 χ^2/NDF:1956.8/19

+ sign 2242.428+/-0.327 χ^2/NDF: 764942.9/36

All: 2248.760+/-0.232 χ^2/NDF: 1520544.3/74

- sign 2255.244+/-0.331 χ^2/NDF: 754841.6/37



Right In: -0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.2/20

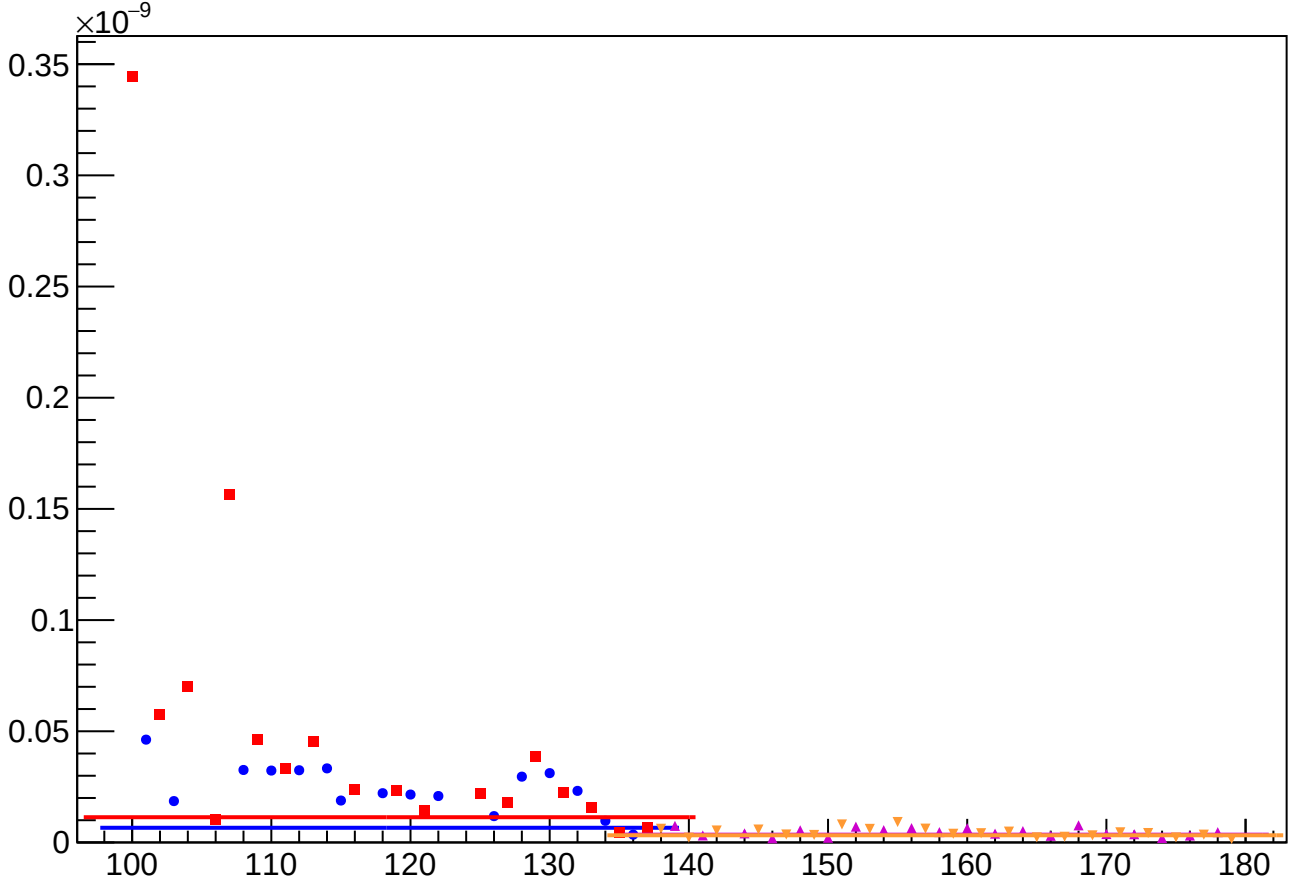
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/17

Left In: 0.000+/-0.000 χ^2/NDF:13.1/19

+ sign 0.000+/-0.000 χ^2/NDF: 34.3/36

All: 0.000+/-0.000 χ^2/NDF: 66.8/74

- sign 0.000+/-0.000 χ^2/NDF: 32.3/37



Right In: 0.000+/-0.000 χ^2/NDF: 2856979.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:1961079.5/20

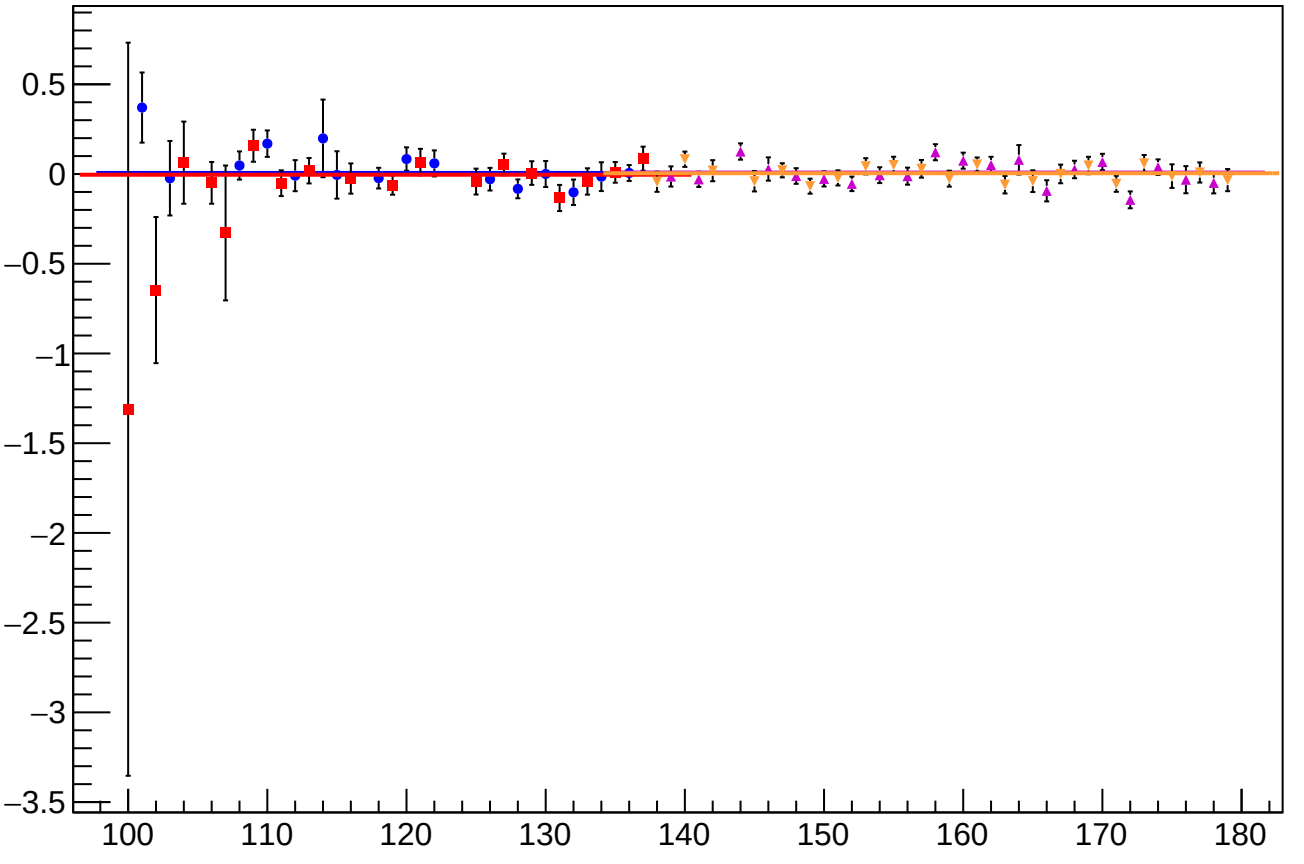
Right Out: 0.000+/-0.000 χ^2/NDF: 2697712.1/17

Left In: 0.000+/-0.000 χ^2/NDF:1595854.5/19

+ sign 0.000+/-0.000 χ^2/NDF: 5360377.3/36

All: 0.000+/-0.000 χ^2/NDF: 10947237.3/74

- sign 0.000+/-0.000 χ^2/NDF: 5546153.7/37



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: 0.004+/-0.011 χ^2/NDF:18.8/20

Right Out: -0.004+/-0.019 χ^2/NDF: 16.3/17

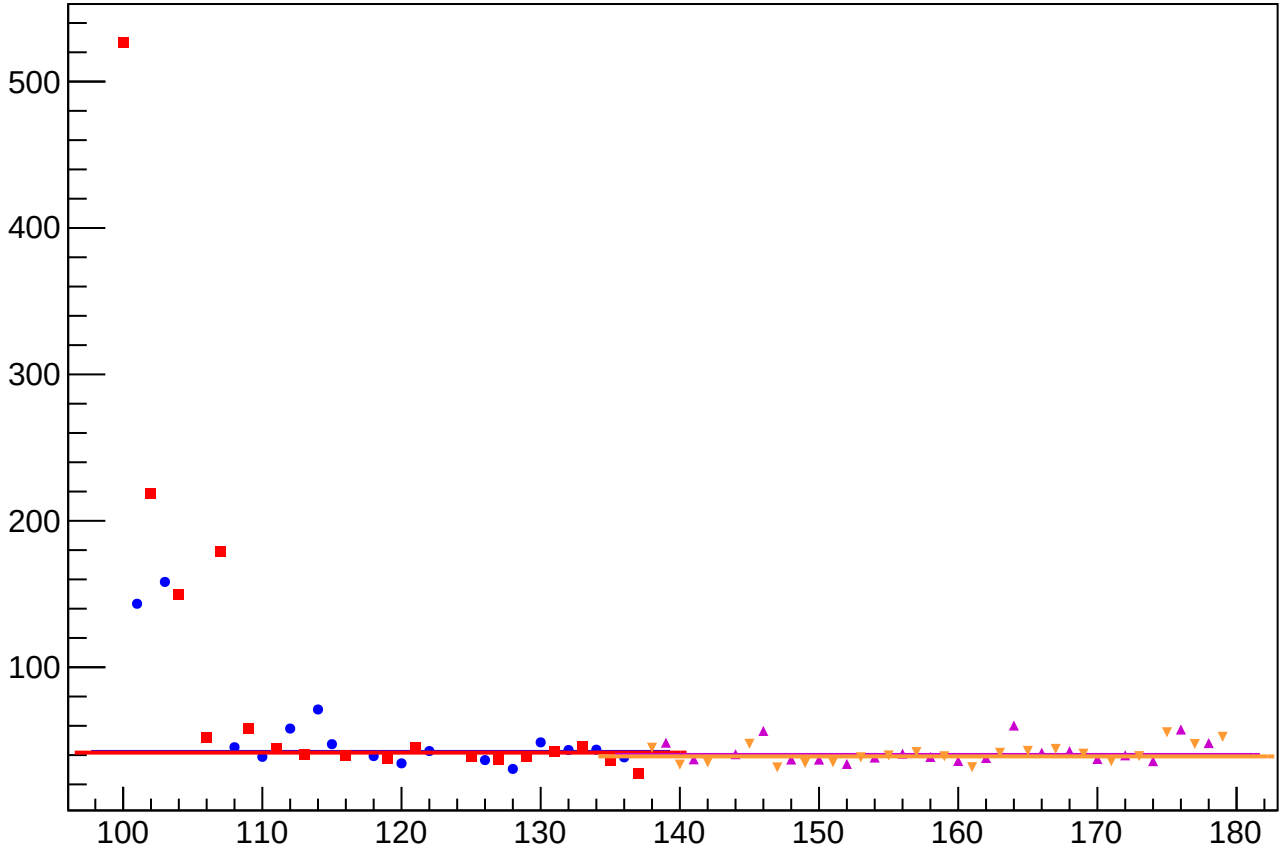
Left In: 0.008+/-0.011 χ^2/NDF:38.4/19

+ sign 0.005+/-0.009 χ^2/NDF: 36.1/36

All: 0.005+/-0.007 χ^2/NDF: 91.1/74

- sign 0.005+/-0.009 χ^2/NDF: 55.0/37

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_rms vs Slug



Right In: 42.165+/-0.013 χ^2/NDF: 1454378.8/15

Left Out: 39.122+/-0.007 χ^2/NDF:617365.0/20

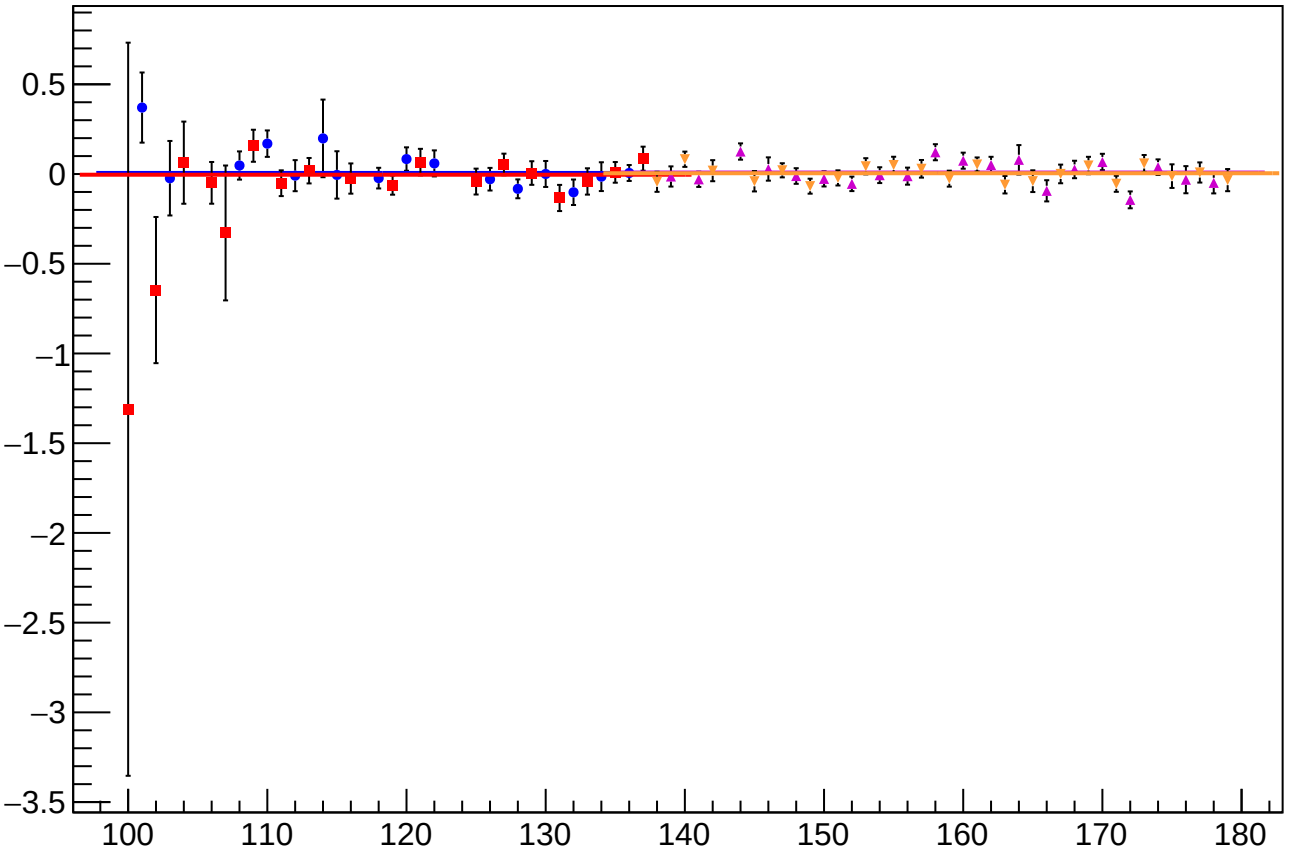
Right Out: 41.692+/-0.013 χ^2/NDF: 1441204.7/17

Left In: 40.107+/-0.008 χ^2/NDF:572618.8/19

+ sign 39.881+/-0.006 χ^2/NDF: 2113433.9/36

All: 40.187+/-0.005 χ^2/NDF: 4142719.1/74

- sign 40.509+/-0.007 χ^2/NDF: 2024669.7/37



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: 0.004+/-0.011 χ^2/NDF:18.8/20

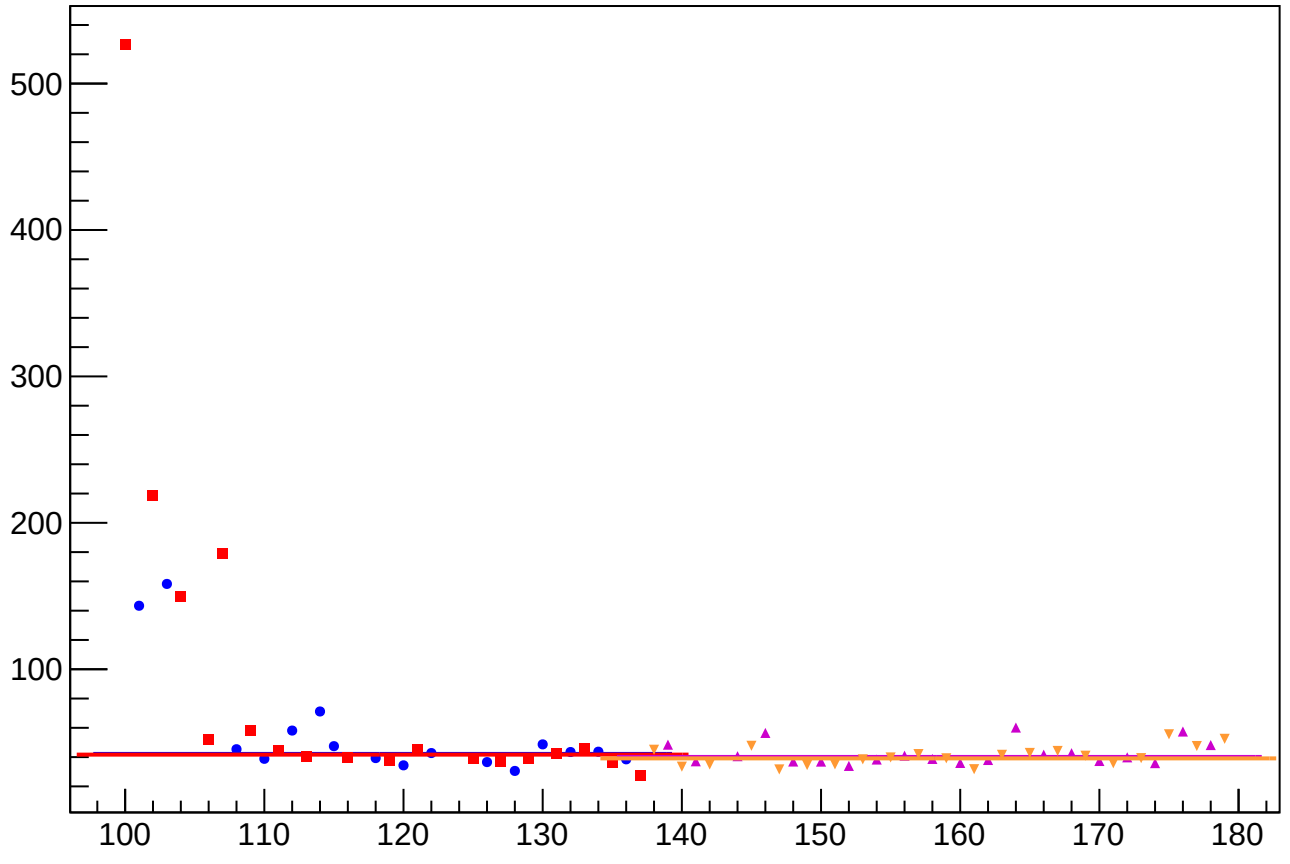
Right Out: -0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: 0.008+/-0.011 χ^2/NDF:38.4/19

+ sign 0.005+/-0.009 χ^2/NDF: 36.1/36

All: 0.005+/-0.007 χ^2/NDF: 91.1/74

- sign 0.005+/-0.009 χ^2/NDF: 55.0/37



Right In: 42.165+/-0.013 χ^2/NDF: 1454378.8/15

Left Out: 39.122+/-0.007 χ^2/NDF:617365.0/20

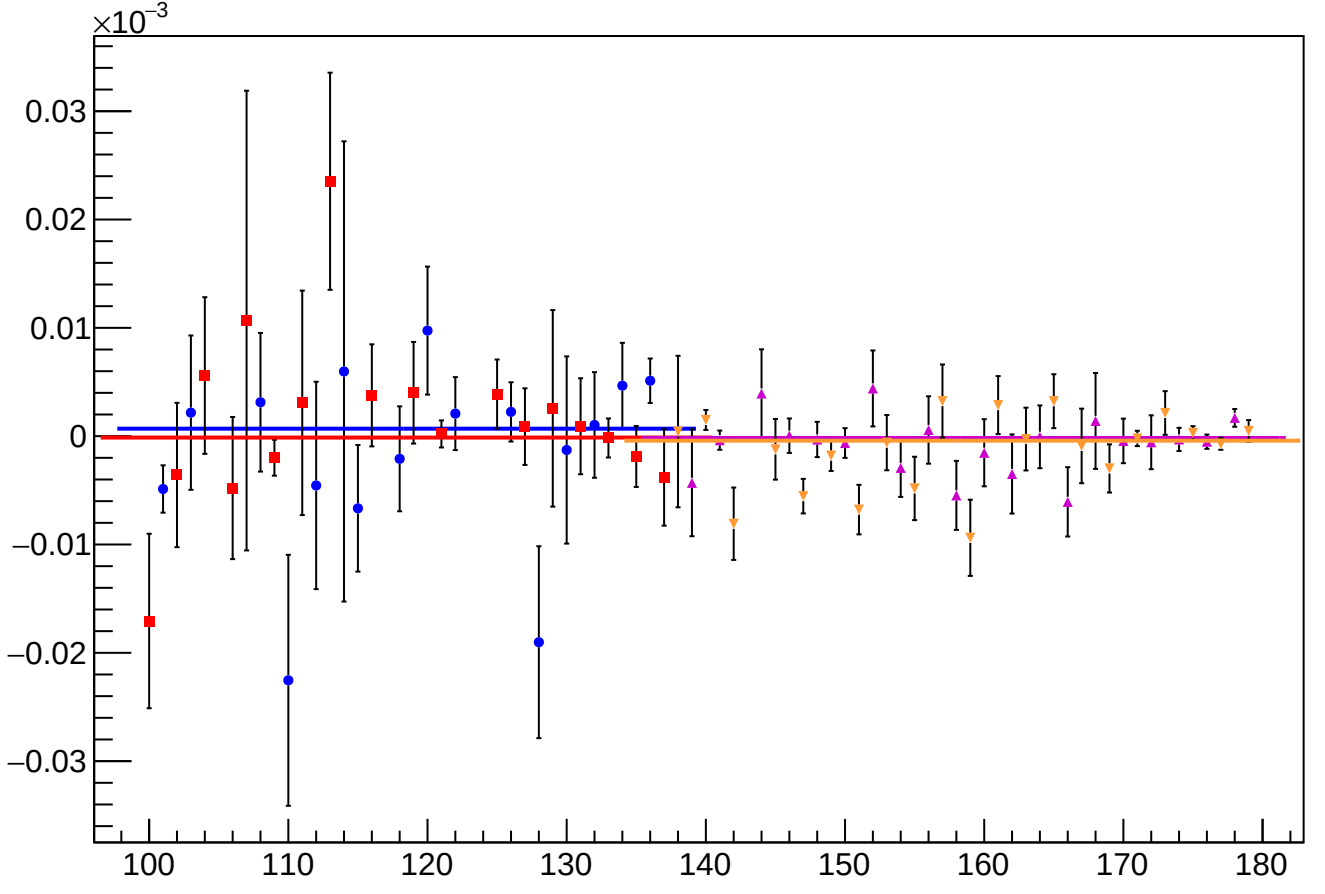
Right Out: 41.692+/-0.013 χ^2/NDF: 1441204.7/17

Left In: 40.107+/-0.008 χ^2/NDF:572618.8/19

+ sign 39.881+/-0.006 χ^2/NDF: 2113433.9/36

All: 40.187+/-0.005 χ^2/NDF: 4142719.1/74

- sign 40.509+/-0.007 χ^2/NDF: 2024669.7/37



Right In: 0.000+/-0.000 χ^2/NDF: 26.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:47.7/20

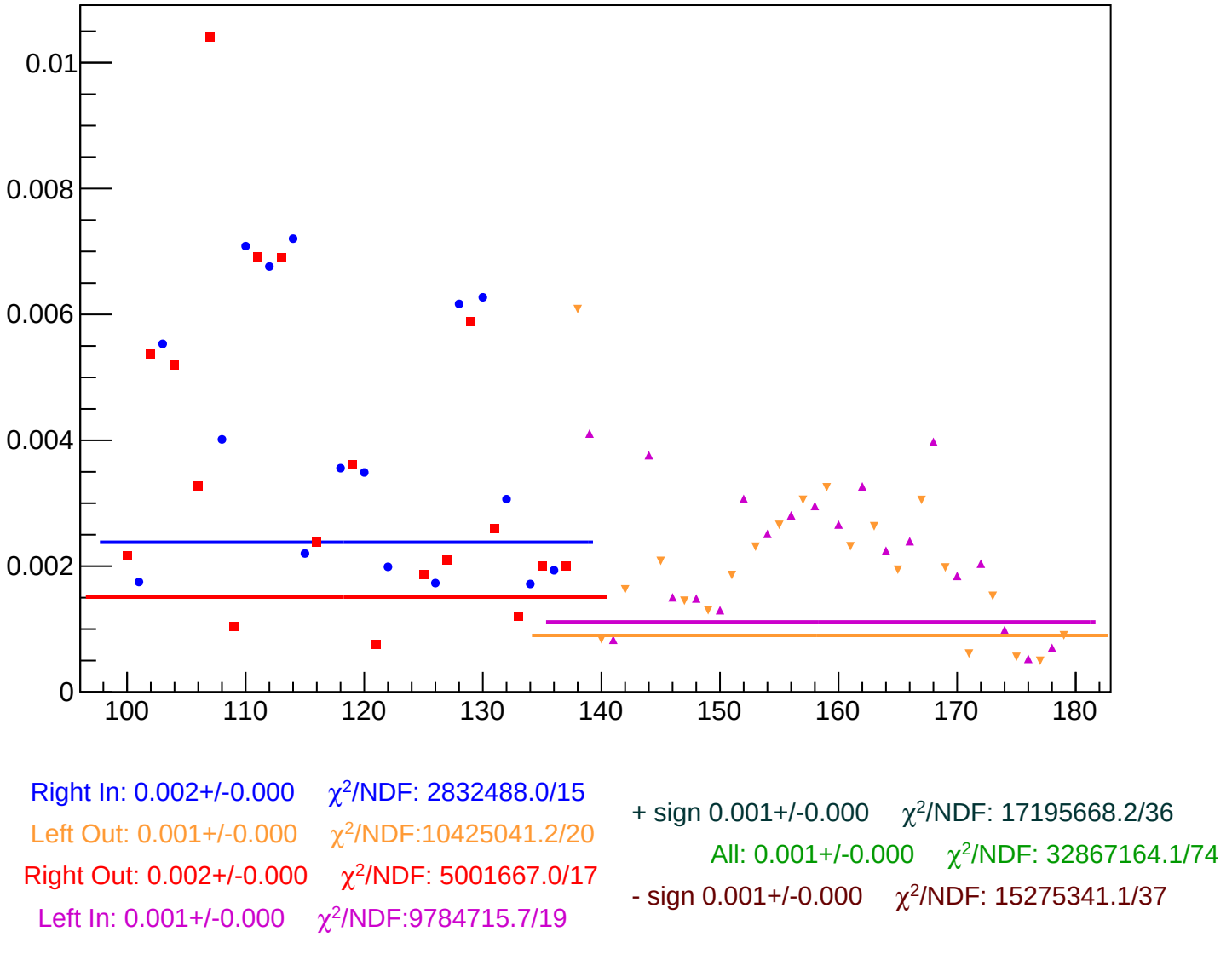
Right Out: -0.000+/-0.000 χ^2/NDF: 17.4/17

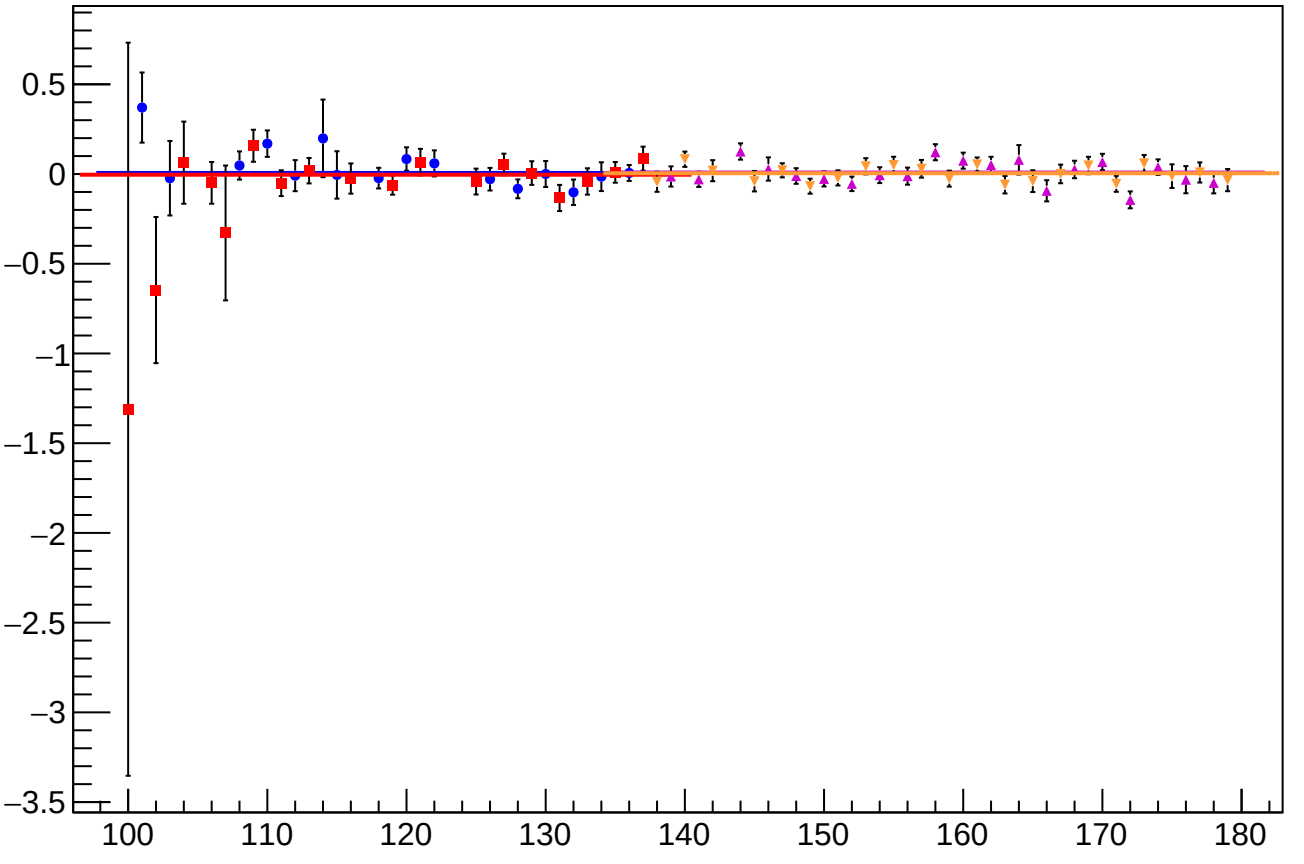
Left In: -0.000+/-0.000 χ^2/NDF:17.5/19

+ sign -0.000+/-0.000 χ^2/NDF: 75.3/36

All: -0.000+/-0.000 χ^2/NDF: 110.4/74

- sign -0.000+/-0.000 χ^2/NDF: 34.9/37


asym_us_dd_at1lr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.01
0.008
0.006
0.004
0.002
0
100
110
120
130
140
150
160
170
180
Right In: 0.002+/-0.000 χ²/NDF: 2832488.0/15
Left Out: 0.001+/-0.000 χ²/NDF:10425041.2/20
Right Out: 0.002+/-0.000 χ²/NDF: 5001667.0/17
Left In: 0.001+/-0.000 χ²/NDF:9784715.7/19
+ sign 0.001+/-0.000 χ²/NDF: 17195668.2/36
All: 0.001+/-0.000 χ²/NDF: 32867164.1/74
- sign 0.001+/-0.000 χ²/NDF: 15275341.1/37



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: 0.004+/-0.011 χ^2/NDF:18.8/20

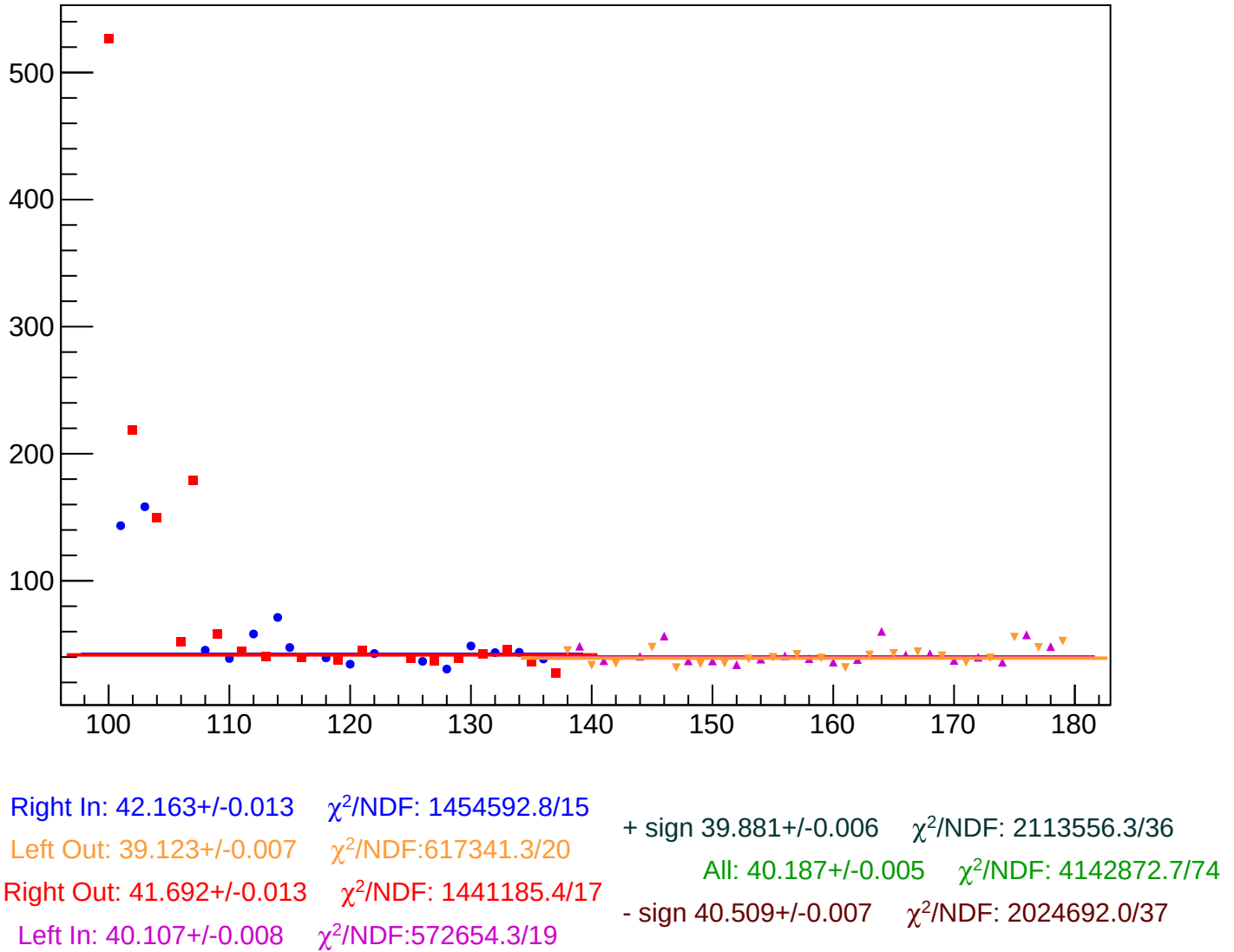
Right Out: -0.004+/-0.019 χ^2/NDF: 16.3/17

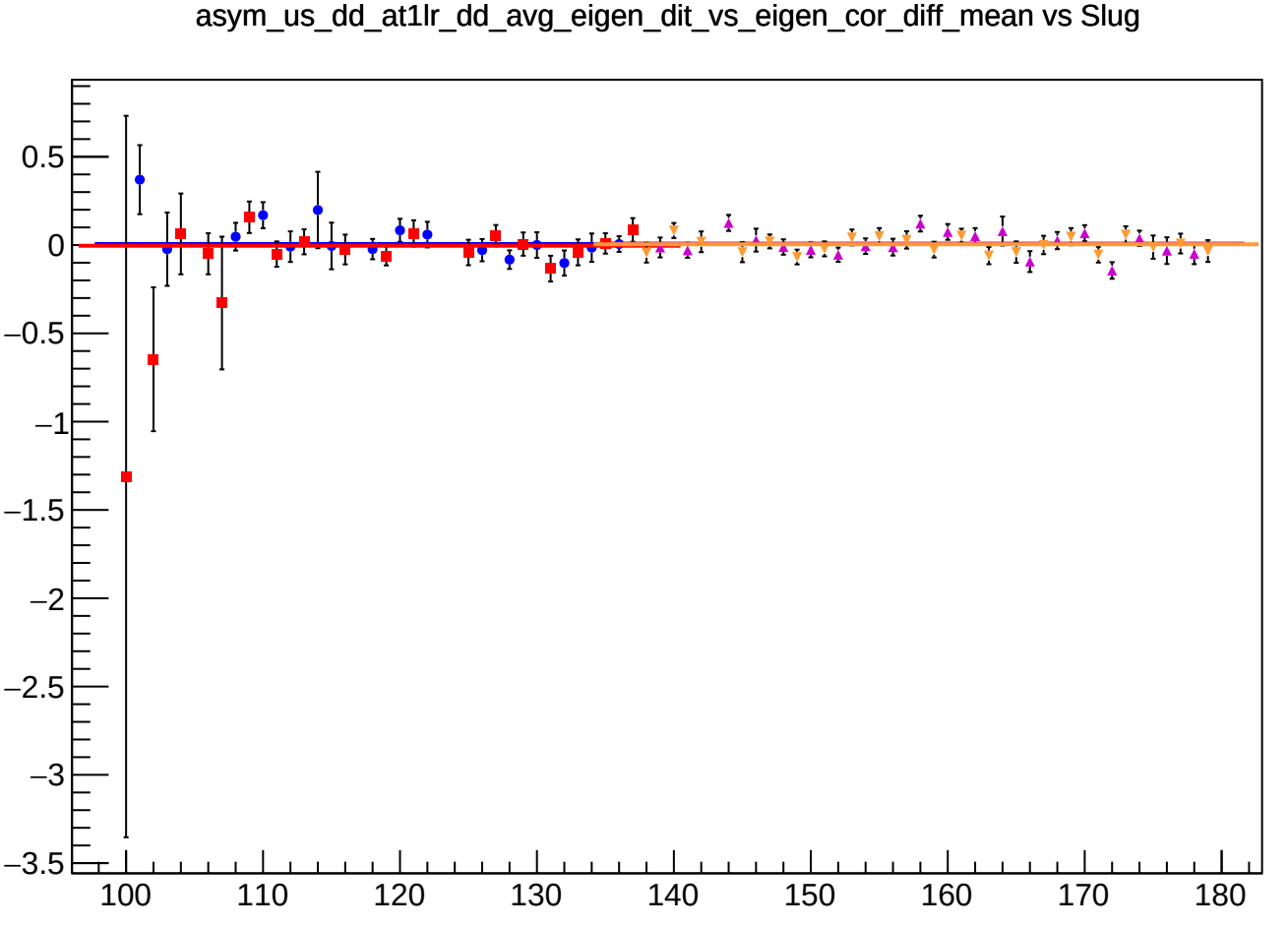
Left In: 0.008+/-0.011 χ^2/NDF:38.4/19

+ sign 0.005+/-0.009 χ^2/NDF: 36.1/36

All: 0.005+/-0.007 χ^2/NDF: 91.1/74

- sign 0.005+/-0.009 χ^2/NDF: 55.0/37


asym_us_dd_at1lr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug
500
400
300
200
100
100
110
120
130
140
150
160
170
180
Right In: 42.163+/-0.013 χ²/NDF: 1454592.8/15
Left Out: 39.123+/-0.007 χ²/NDF:617341.3/20
Right Out: 41.692+/-0.013 χ²/NDF: 1441185.4/17
Left In: 40.107+/-0.008 χ²/NDF:572654.3/19
+ sign 39.881+/-0.006 χ²/NDF: 2113556.3/36
All: 40.187+/-0.005 χ²/NDF: 4142872.7/74
- sign 40.509+/-0.007 χ²/NDF: 2024692.0/37



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: 0.004+/-0.011 χ^2/NDF:18.8/20

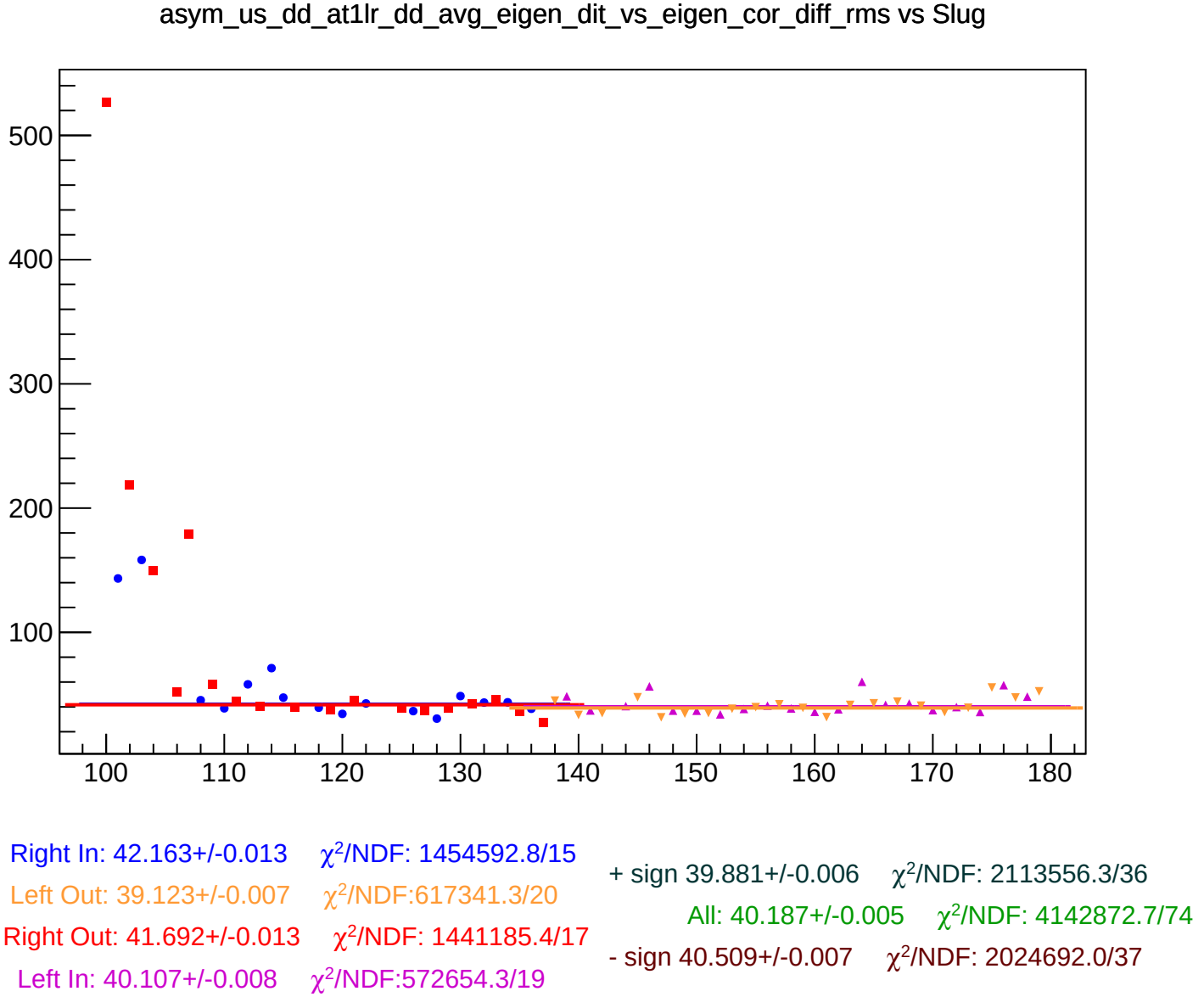
Right Out: -0.004+/-0.019 χ^2/NDF: 16.3/17

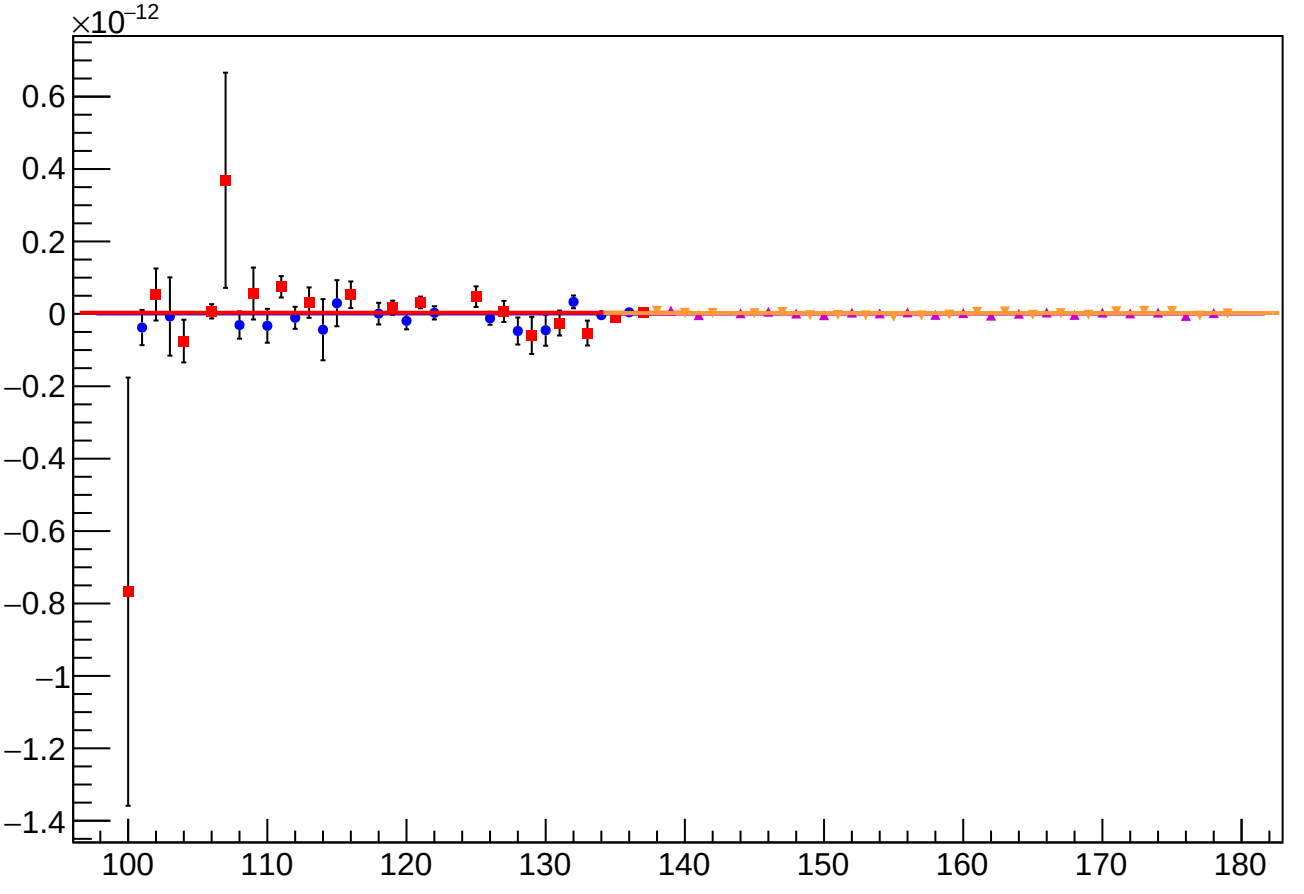
Left In: 0.008+/-0.011 χ^2/NDF:38.4/19

+ sign 0.005+/-0.009 χ^2/NDF: 36.1/36

All: 0.005+/-0.007 χ^2/NDF: 91.1/74

- sign 0.005+/-0.009 χ^2/NDF: 55.0/37


asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
500
400
300
200
100
100
110
120
130
140
150
160
170
180
Right In: 42.163+/-0.013 χ²/NDF: 1454592.8/15
Left Out: 39.123+/-0.007 χ²/NDF:617341.3/20
Right Out: 41.692+/-0.013 χ²/NDF: 1441185.4/17
Left In: 40.107+/-0.008 χ²/NDF:572654.3/19
+ sign 39.881+/-0.006 χ²/NDF: 2113556.3/36
All: 40.187+/-0.005 χ²/NDF: 4142872.7/74
- sign 40.509+/-0.007 χ²/NDF: 2024692.0/37



Right In: 0.000+/-0.000 χ^2/NDF: 10.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:24.5/20

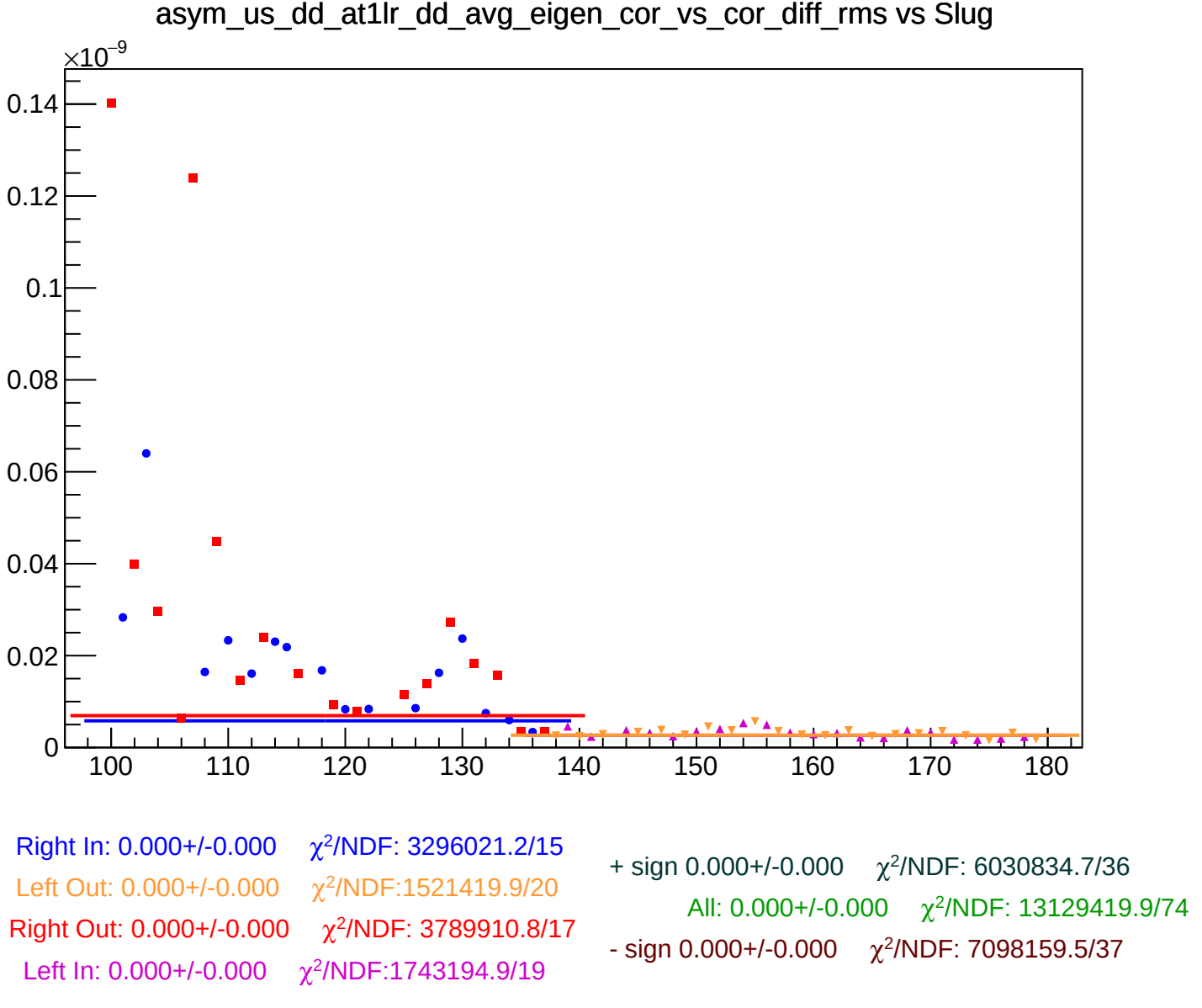
Right Out: 0.000+/-0.000 χ^2/NDF: 28.8/17

Left In: 0.000+/-0.000 χ^2/NDF:14.4/19

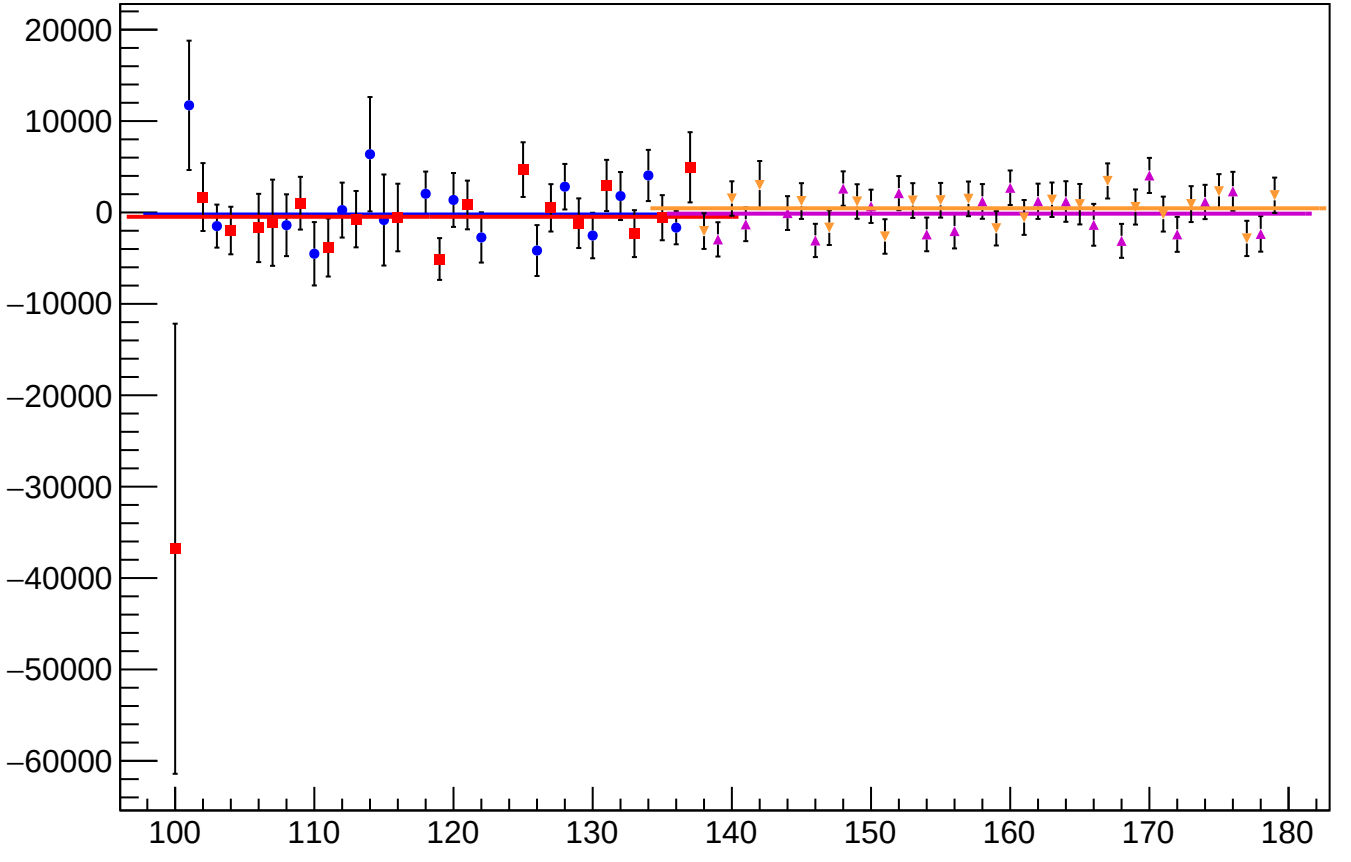
+ sign 0.000+/-0.000 χ^2/NDF: 35.1/36

All: 0.000+/-0.000 χ^2/NDF: 79.8/74

- sign 0.000+/-0.000 χ^2/NDF: 43.5/37


asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug
×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
180
Right In: 0.000+/-0.000 χ²/NDF: 3296021.2/15
Left Out: 0.000+/-0.000 χ²/NDF:1521419.9/20
Right Out: 0.000+/-0.000 χ²/NDF: 3789910.8/17
Left In: 0.000+/-0.000 χ²/NDF:1743194.9/19
+ sign 0.000+/-0.000 χ²/NDF: 6030834.7/36
All: 0.000+/-0.000 χ²/NDF: 13129419.9/74
- sign 0.000+/-0.000 χ²/NDF: 7098159.5/37

reg_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -222.980+/-709.150 χ^2/NDF: 15.8/15

Left Out: 458.421+/-424.111 χ^2/NDF:16.8/20

Right Out: -472.410+/-711.475 χ^2/NDF: 15.9/17

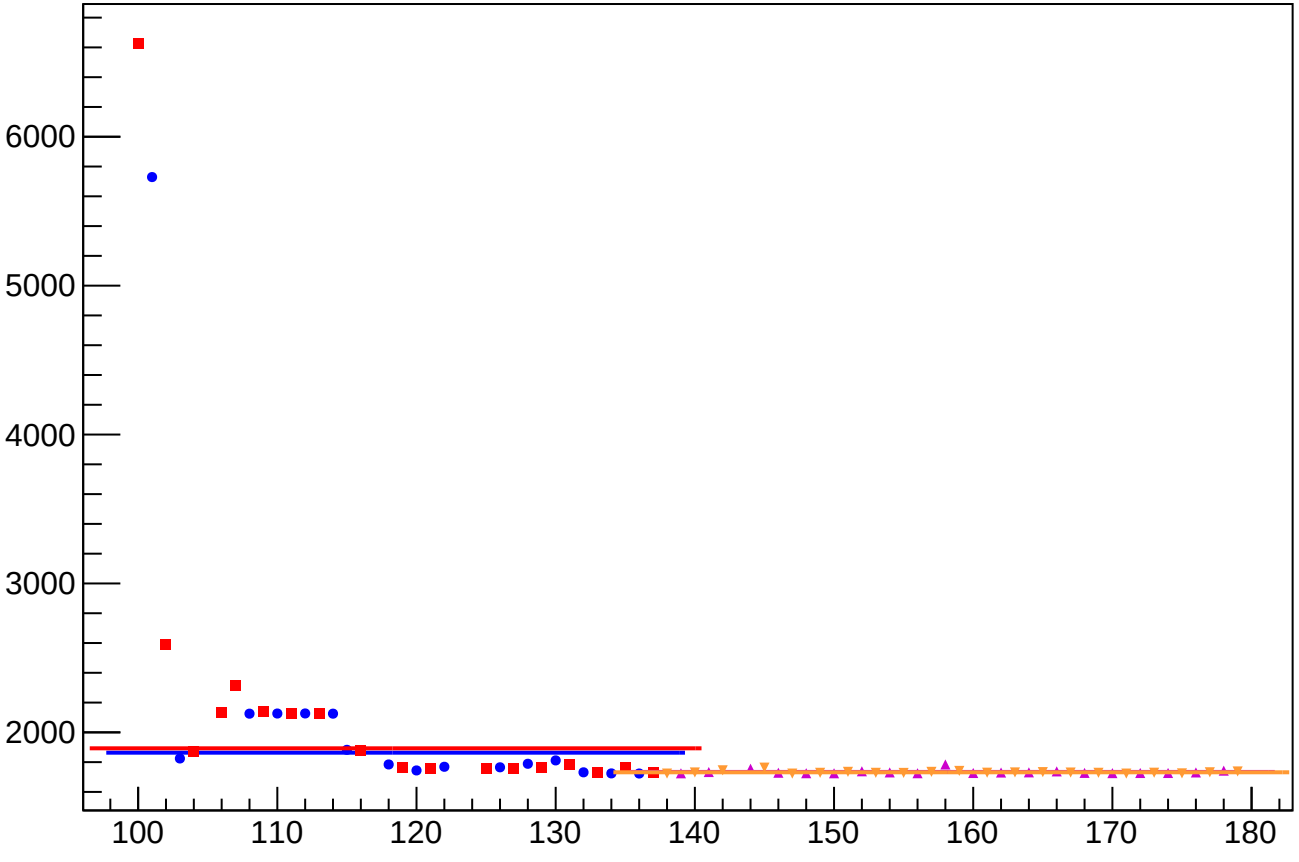
Left In: -130.977+/-428.938 χ^2/NDF:27.2/19

+ sign 278.910+/-363.984 χ^2/NDF: 33.3/36

All: 30.758+/-258.555 χ^2/NDF: 77.5/74

- sign -221.996+/-367.343 χ^2/NDF: 43.2/37

reg_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1863.581+/-0.501 χ^2/NDF: 674665.6/15

Left Out: 1731.841+/-0.300 χ^2/NDF:828.9/20

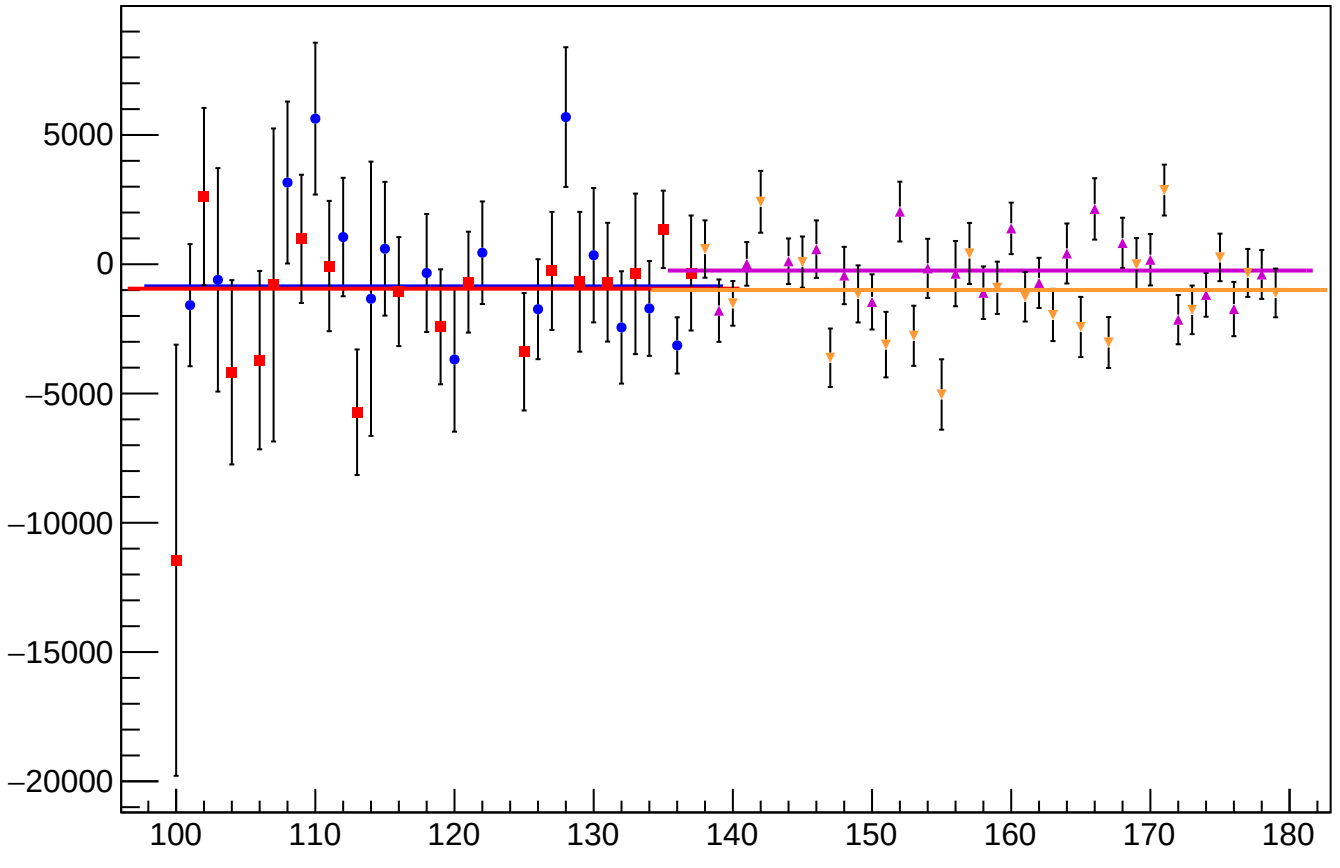
Right Out: 1892.866+/-0.503 χ^2/NDF: 251512.9/17

Left In: 1734.176+/-0.303 χ^2/NDF:2085.0/19

+ sign 1766.547+/-0.257 χ^2/NDF: 726332.6/36

All: 1771.468+/-0.183 χ^2/NDF: 1053641.1/74

- sign 1776.480+/-0.260 χ^2/NDF: 326570.7/37



Right In: -857.294+/-549.791 χ^2/NDF: 20.6/15

Left Out: -994.517+/-226.311 χ^2/NDF:58.7/20

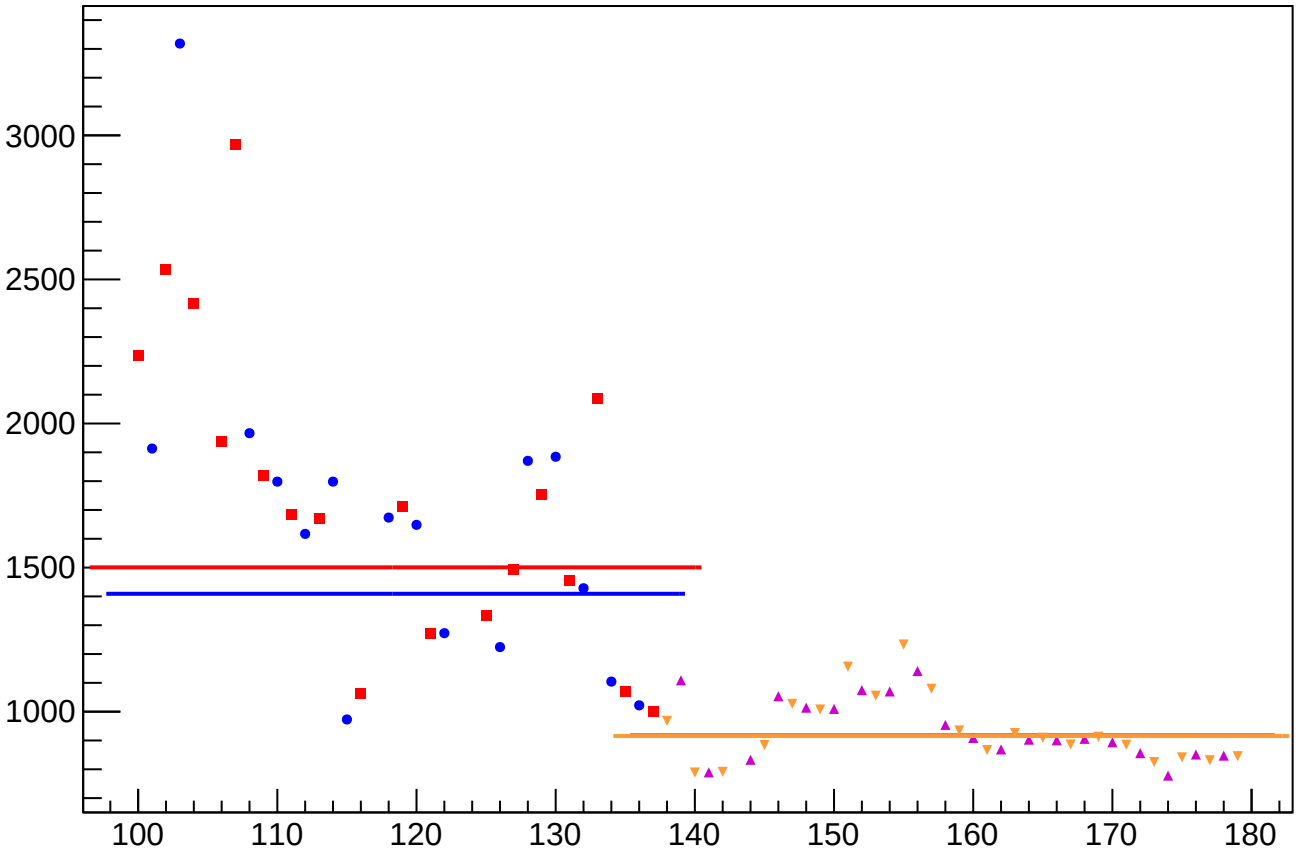
Right Out: -944.718+/-583.967 χ^2/NDF: 12.9/17

Left In: -243.478+/-228.866 χ^2/NDF:24.3/19

+ sign -974.635+/-209.275 χ^2/NDF: 79.3/36

All: -661.494+/-149.309 χ^2/NDF: 122.4/74

- sign -336.846+/-213.086 χ^2/NDF: 38.5/37



Right In: 1409.096+/-0.389 χ^2/NDF: 1167706.6/15

Left Out: 915.422+/-0.160 χ^2/NDF:421934.6/20

Right Out: 1500.801+/-0.413 χ^2/NDF: 1030768.2/17

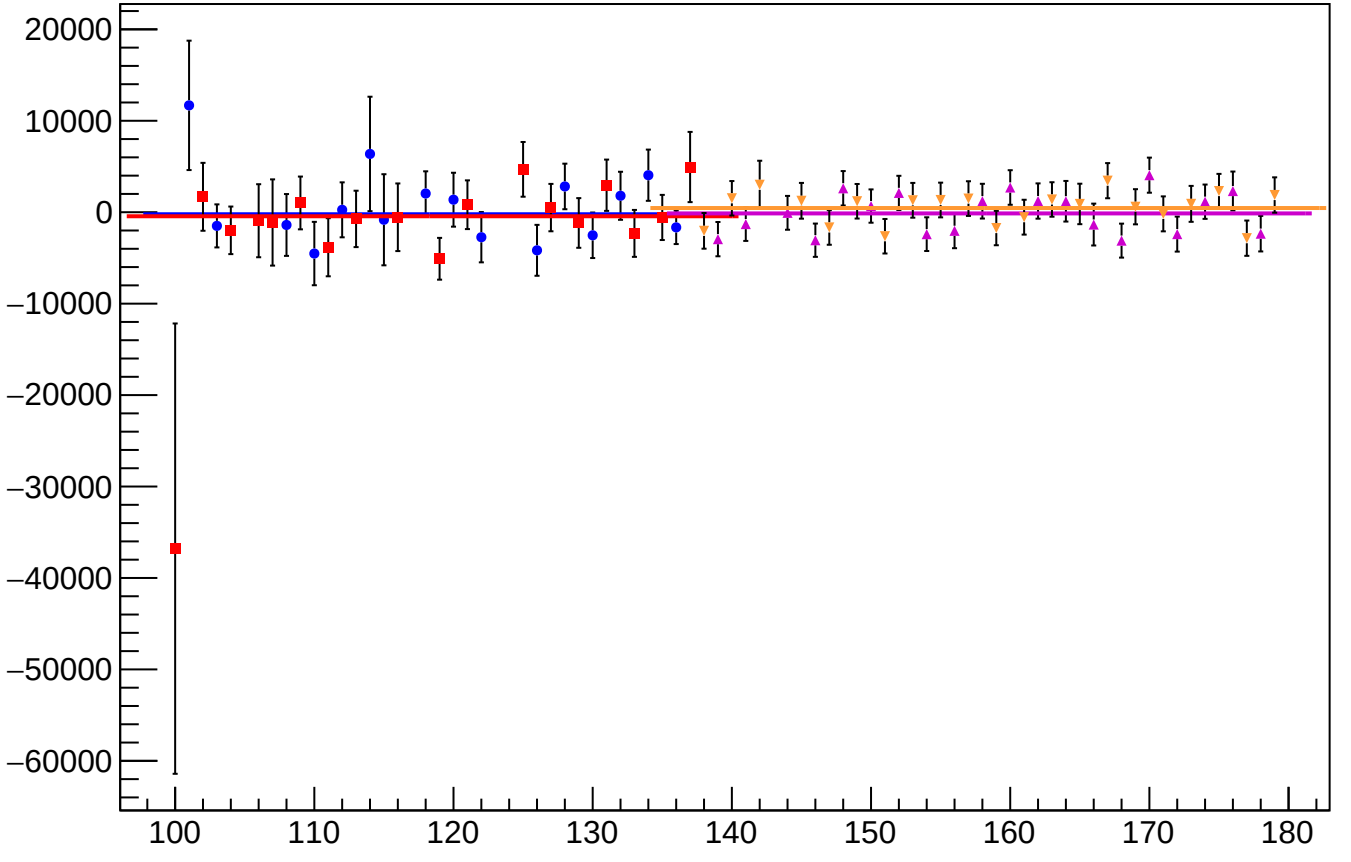
Left In: 917.644+/-0.162 χ^2/NDF:401474.8/19

\+ sign 986.951+/-0.148 χ^2/NDF: 2968549.7/36

All: 991.045+/-0.106 χ^2/NDF: 6131250.2/74

\- sign 995.289+/-0.151 χ^2/NDF: 3161141.6/37

cor_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -223.754+/-709.151 χ^2/NDF: 15.8/15

Left Out: 458.475+/-424.111 χ^2/NDF:16.8/20

Right Out: -443.022+/-713.098 χ^2/NDF: 15.8/17

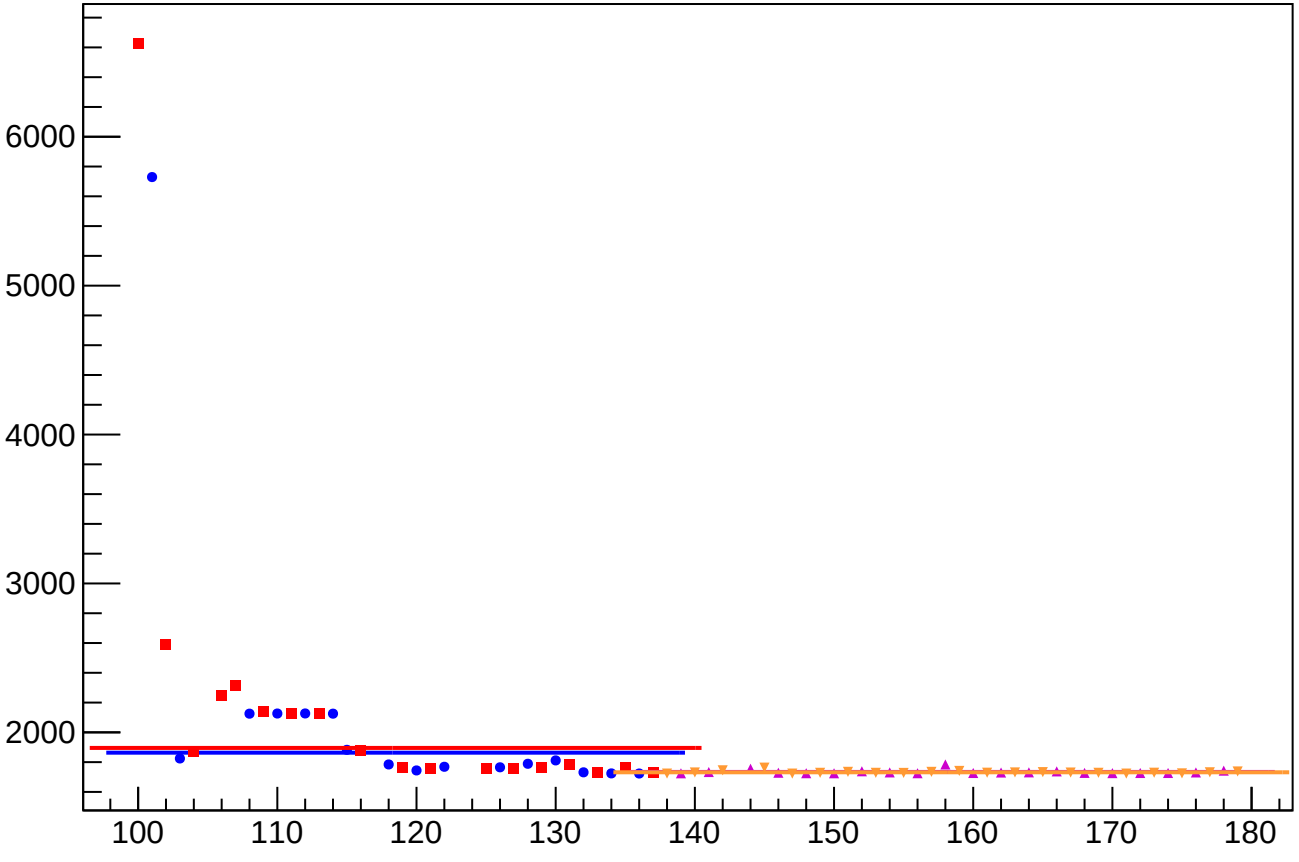
Left In: -131.023+/-428.938 χ^2/NDF:27.2/19

+ sign 278.746+/-363.984 χ^2/NDF: 33.3/36

All: 34.827+/-258.633 χ^2/NDF: 77.3/74

- sign -213.917+/-367.566 χ^2/NDF: 43.1/37

cor_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1863.581+/-0.501 χ^2/NDF: 674665.4/15

Left Out: 1731.841+/-0.300 χ^2/NDF:828.9/20

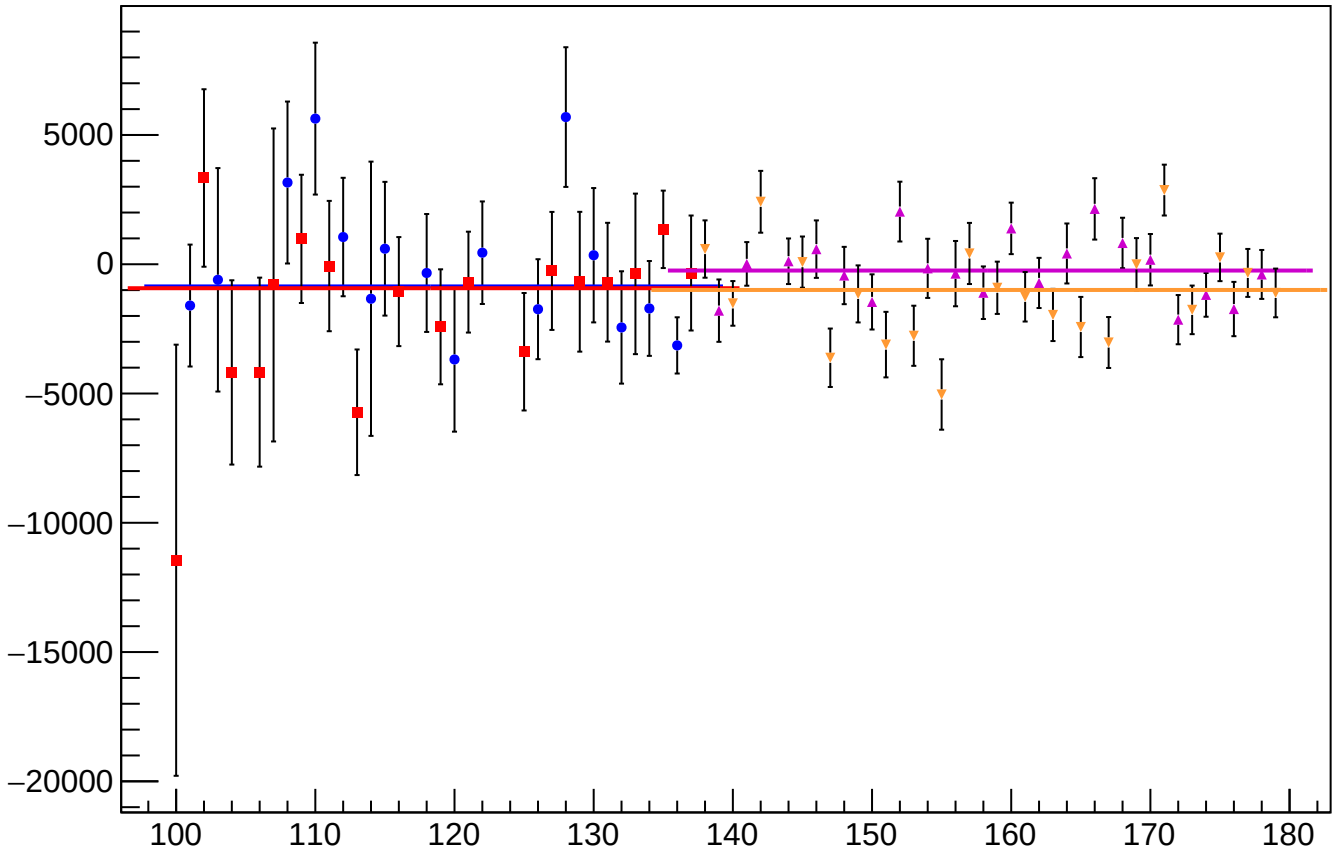
Right Out: 1895.491+/-0.504 χ^2/NDF: 259171.7/17

Left In: 1734.176+/-0.303 χ^2/NDF:2085.0/19

+ sign 1766.547+/-0.257 χ^2/NDF: 726332.5/36

All: 1771.740+/-0.183 χ^2/NDF: 1063567.2/74

- sign 1777.036+/-0.260 χ^2/NDF: 336412.4/37



Right In: -858.115+/-549.748 χ^2/NDF: 20.6/15

Left Out: -994.542+/-226.311 χ^2/NDF:58.7/20

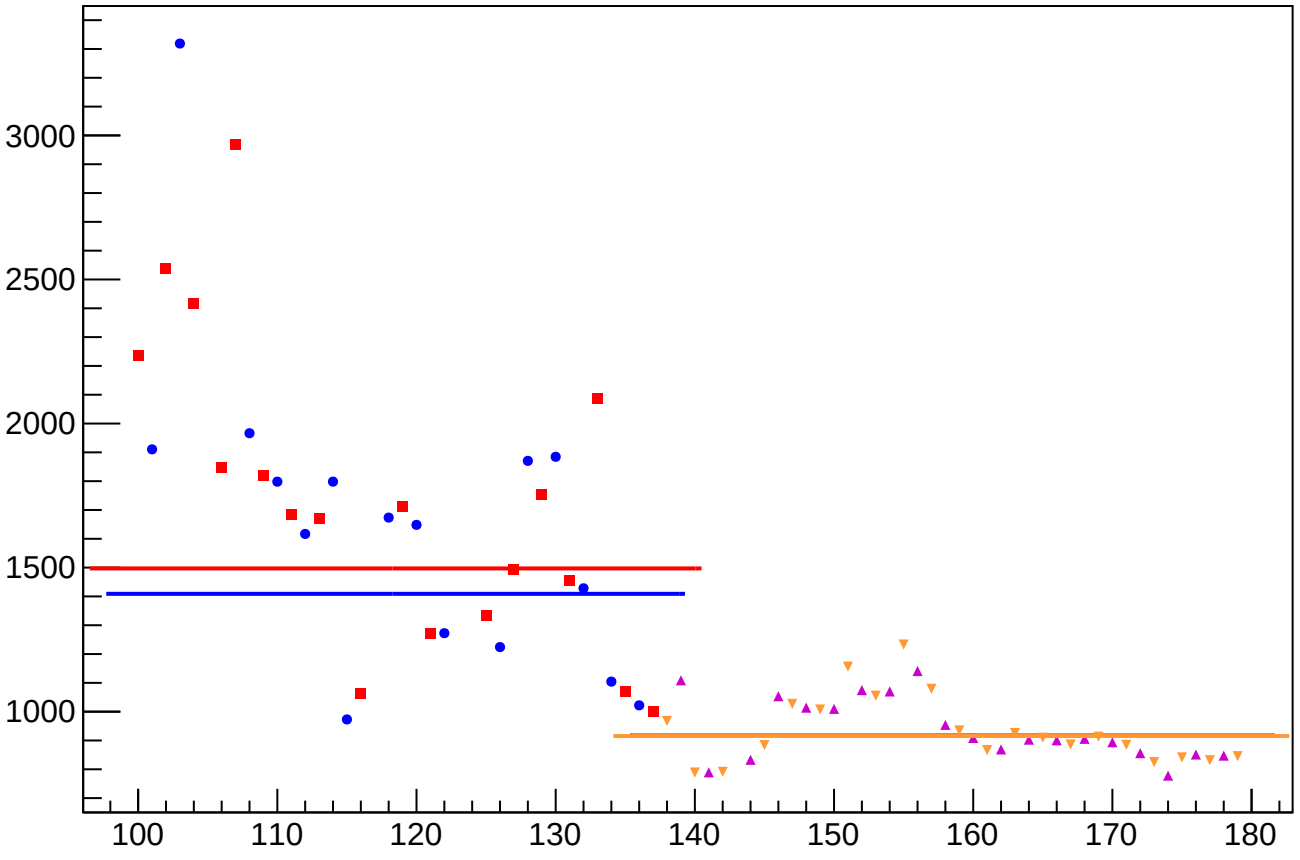
Right Out: -927.191+/-584.886 χ^2/NDF: 13.5/17

Left In: -243.491+/-228.865 χ^2/NDF:24.3/19

+ sign -974.772+/-209.273 χ^2/NDF: 79.3/36

All: -660.371+/-149.323 χ^2/NDF: 123.0/74

- sign -334.275+/-213.129 χ^2/NDF: 39.0/37



Right In: 1409.018+/-0.389 χ^2/NDF: 1167065.5/15

Left Out: 915.423+/-0.160 χ^2/NDF:421905.1/20

Right Out: 1497.149+/-0.414 χ^2/NDF: 1018123.6/17

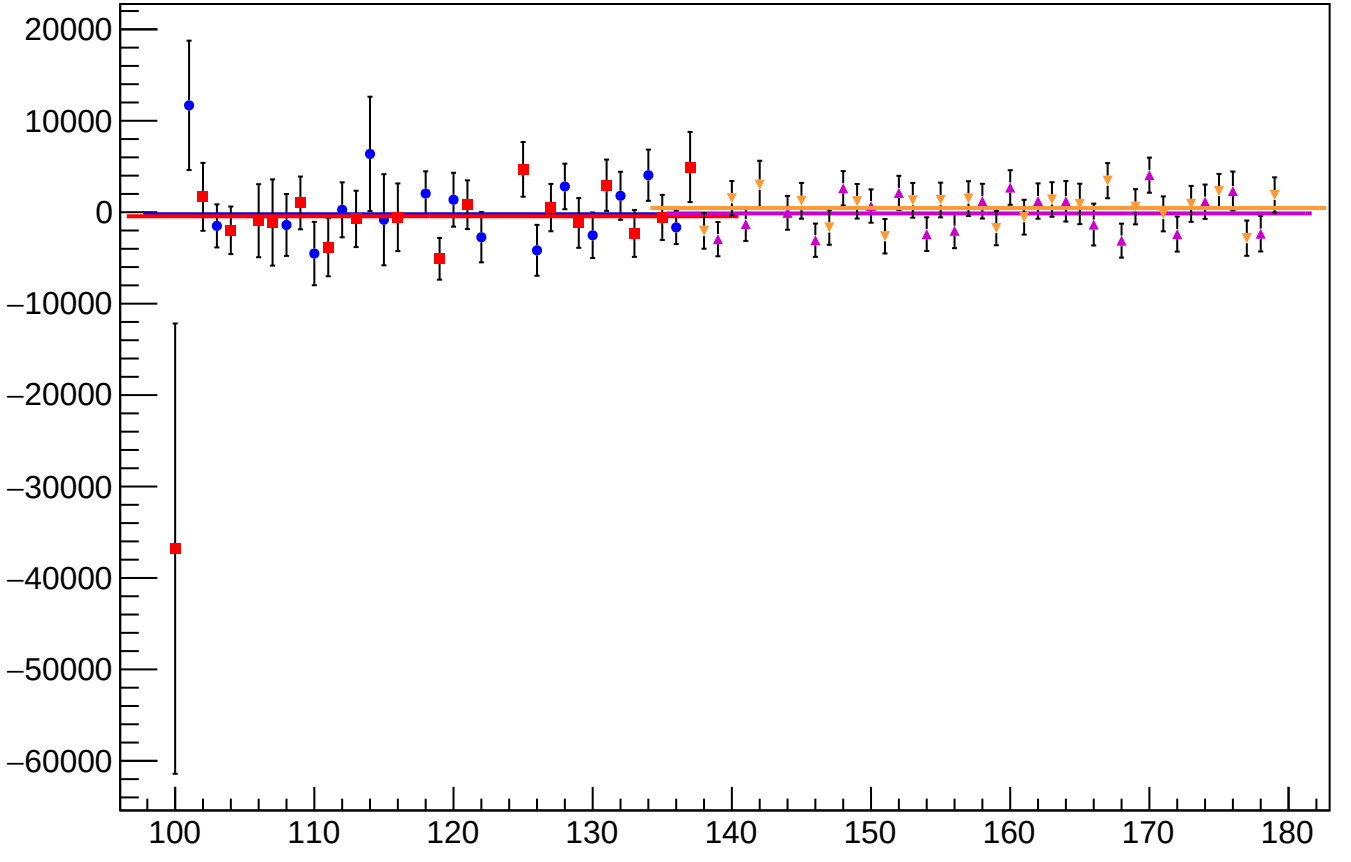
Left In: 917.638+/-0.162 χ^2/NDF:401498.3/19

\+ sign 986.949+/-0.148 χ^2/NDF: 2967629.2/36

All: 990.699+/-0.106 χ^2/NDF: 6091257.0/74

\- sign 994.587+/-0.151 χ^2/NDF: 3122320.1/37

eigen_cor_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -223.754+/-709.151 χ^2/NDF: 15.8/15

Left Out: 458.475+/-424.111 χ^2/NDF:16.8/20

Right Out: -443.022+/-713.098 χ^2/NDF: 15.8/17

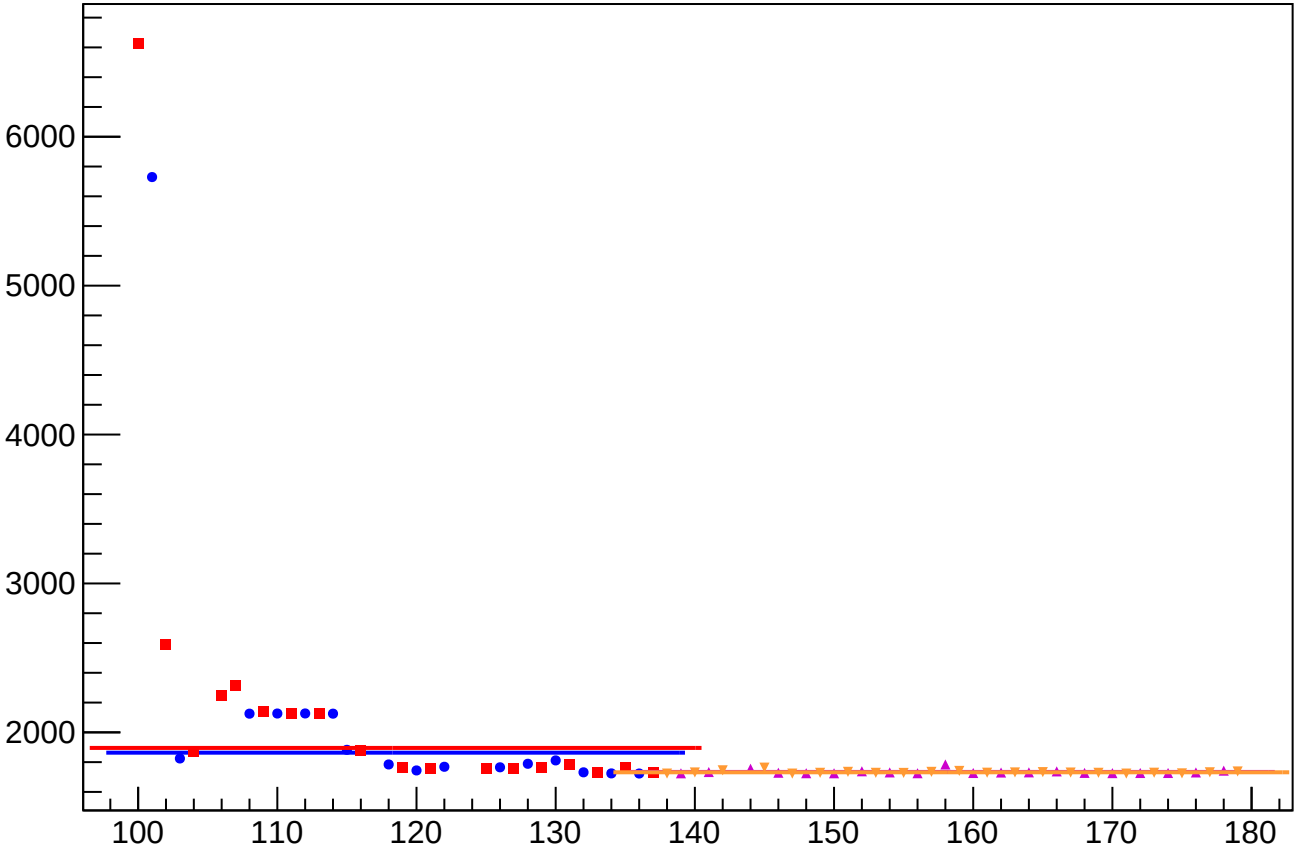
Left In: -131.023+/-428.938 χ^2/NDF:27.2/19

+ sign 278.746+/-363.984 χ^2/NDF: 33.3/36

All: 34.827+/-258.633 χ^2/NDF: 77.3/74

- sign -213.917+/-367.566 χ^2/NDF: 43.1/37

eigen_cor_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1863.581+/-0.501 χ^2/NDF: 674665.4/15

Left Out: 1731.841+/-0.300 χ^2/NDF:828.9/20

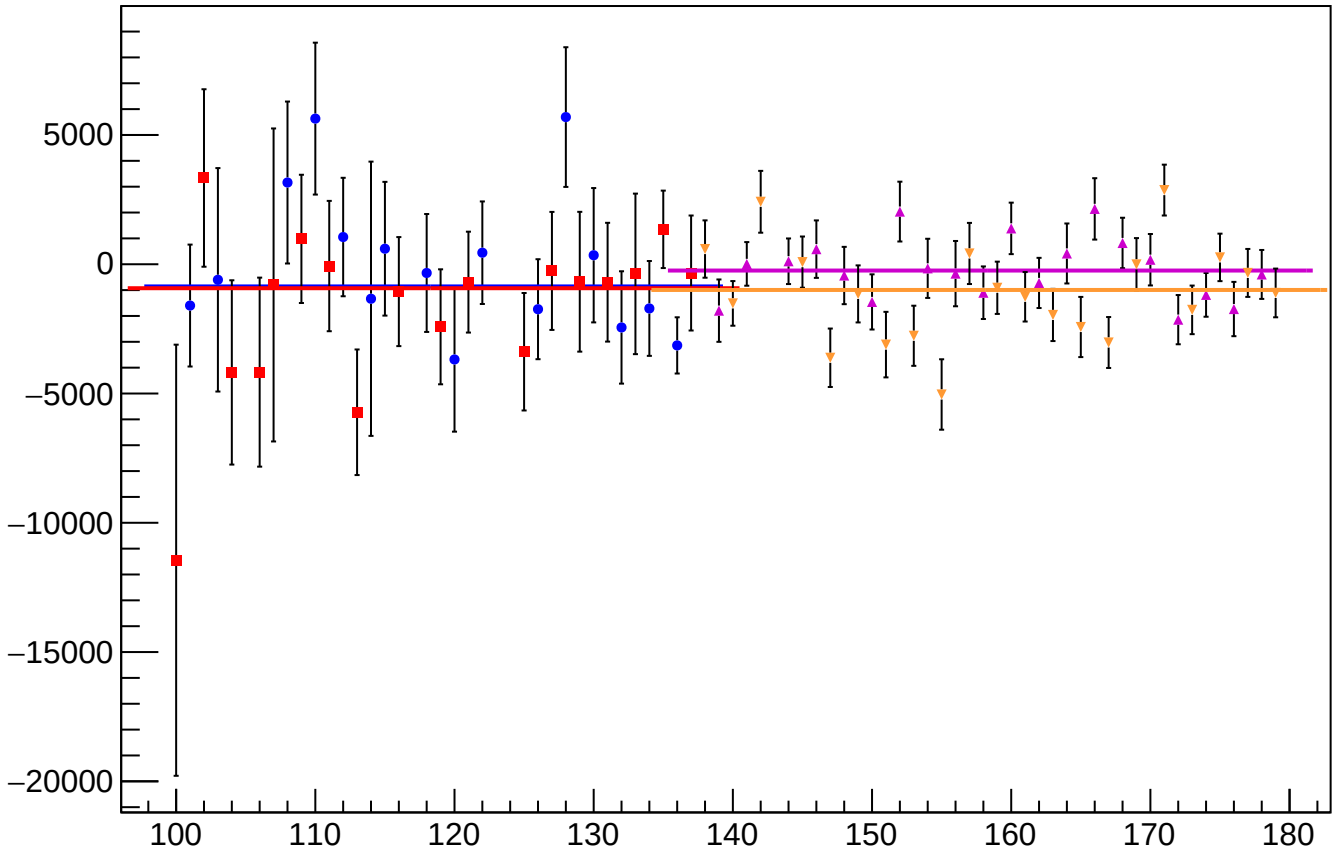
Right Out: 1895.491+/-0.504 χ^2/NDF: 259171.7/17

Left In: 1734.176+/-0.303 χ^2/NDF:2085.0/19

+ sign 1766.547+/-0.257 χ^2/NDF: 726332.5/36

All: 1771.740+/-0.183 χ^2/NDF: 1063567.2/74

- sign 1777.036+/-0.260 χ^2/NDF: 336412.4/37



Right In: -858.115+/-549.748 χ^2/NDF: 20.6/15

Left Out: -994.542+/-226.311 χ^2/NDF:58.7/20

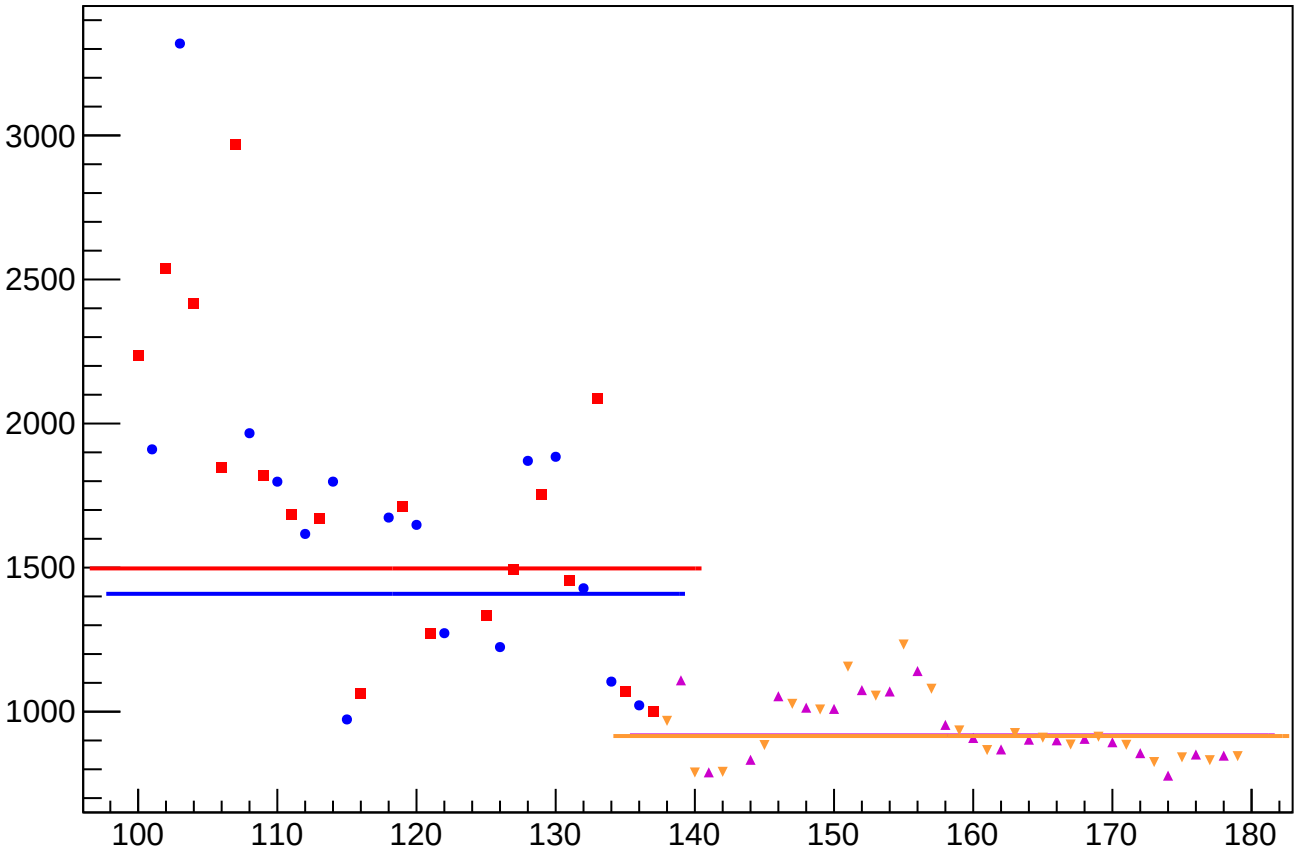
Right Out: -927.191+/-584.886 χ^2/NDF: 13.5/17

Left In: -243.491+/-228.865 χ^2/NDF:24.3/19

\+ sign -974.772+/-209.273 χ^2/NDF: 79.3/36

All: -660.371+/-149.323 χ^2/NDF: 123.0/74

\- sign -334.275+/-213.129 χ^2/NDF: 39.0/37



Right In: 1409.018+/-0.389 χ^2/NDF: 1167065.5/15

Left Out: 915.423+/-0.160 χ^2/NDF:421905.1/20

Right Out: 1497.149+/-0.414 χ^2/NDF: 1018123.6/17

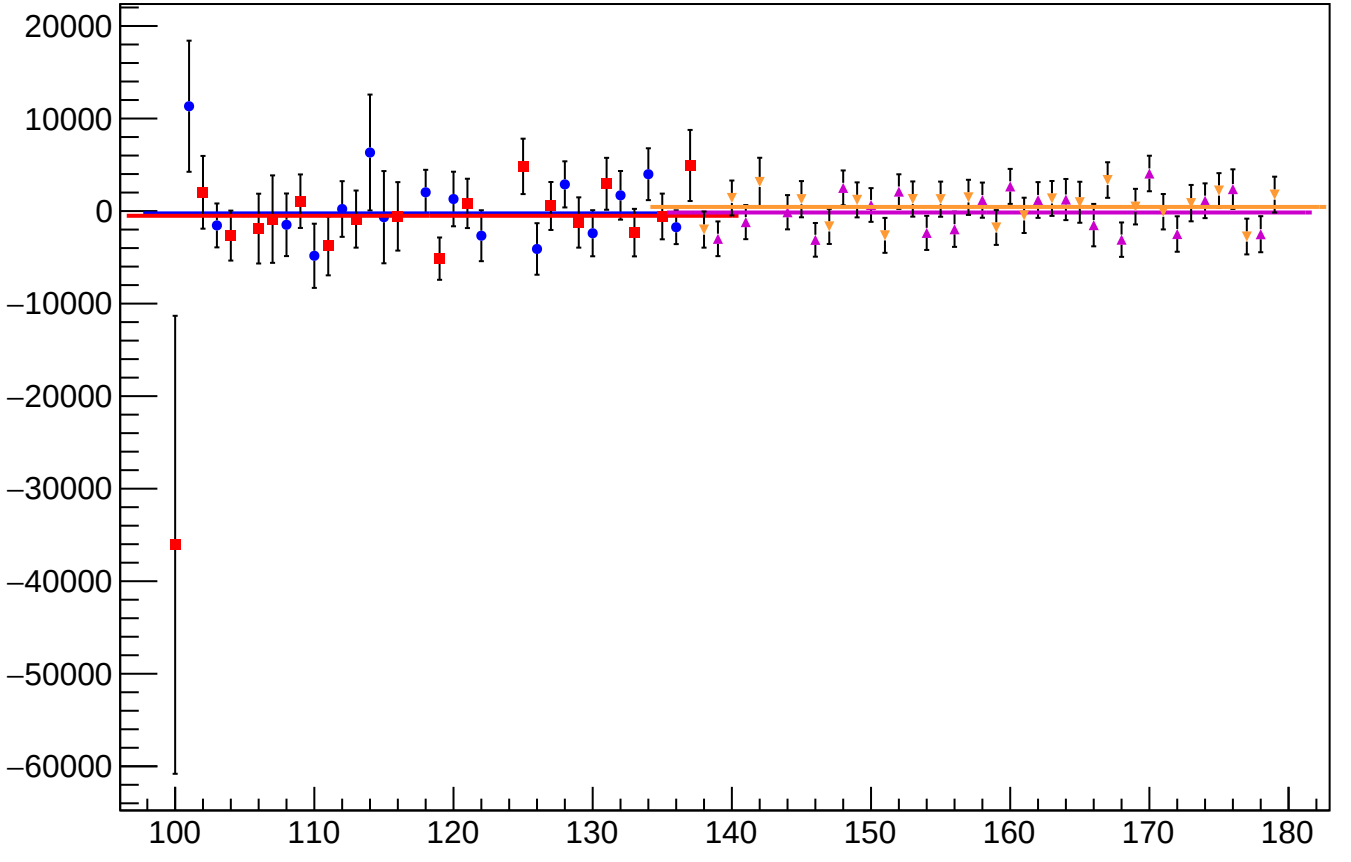
Left In: 917.638+/-0.162 χ^2/NDF:401498.3/19

+ sign 986.949+/-0.148 χ^2/NDF: 2967629.2/36

All: 990.699+/-0.106 χ^2/NDF: 6091257.0/74

- sign 994.587+/-0.151 χ^2/NDF: 3122320.1/37

dit_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -252.024+/-709.973 χ^2/NDF: 15.6/15

Left Out: 446.710+/-424.403 χ^2/NDF:16.2/20

Right Out: -510.117+/-715.442 χ^2/NDF: 16.4/17

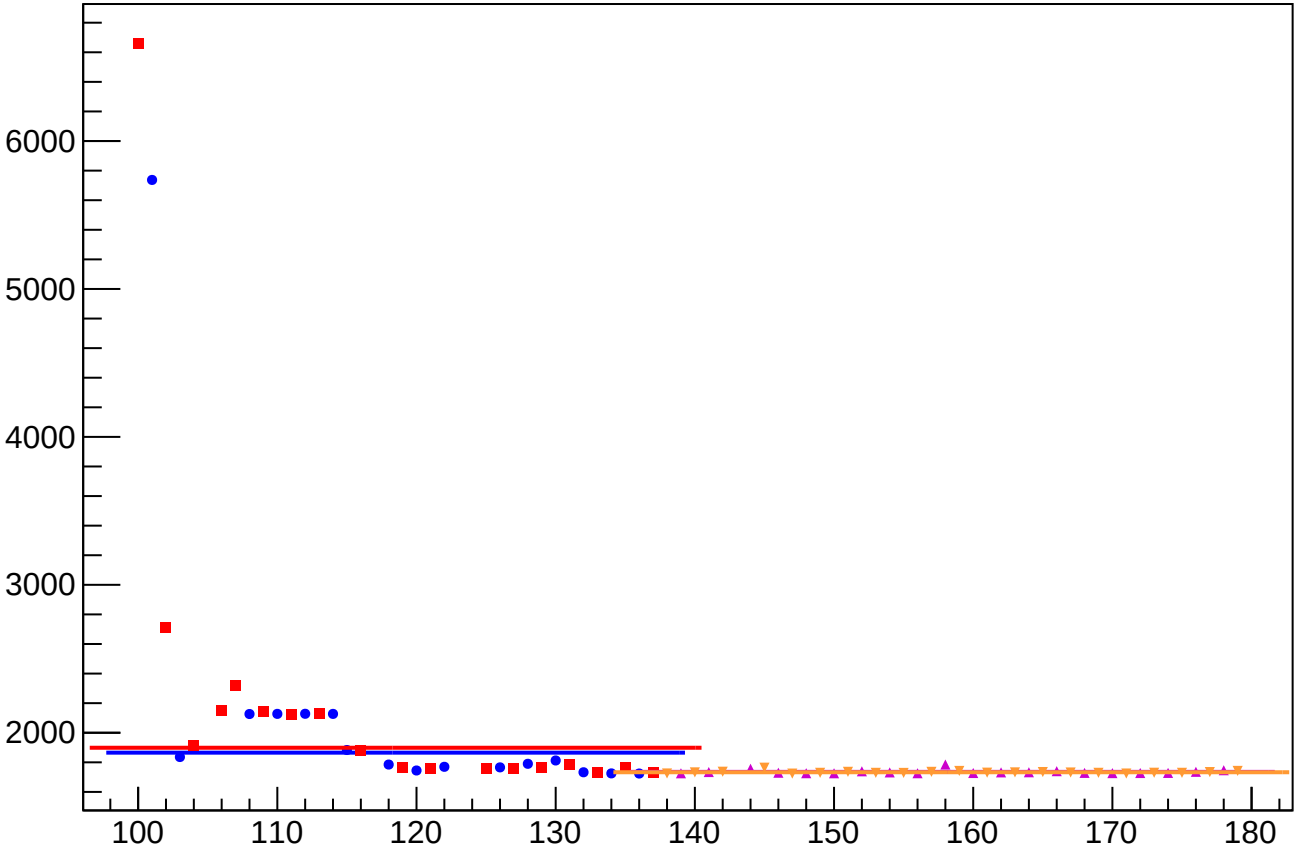
Left In: -154.711+/-429.255 χ^2/NDF:27.3/19

+ sign 262.760+/-364.280 χ^2/NDF: 32.6/36

All: 9.645+/-258.920 χ^2/NDF: 77.4/74

- sign -248.786+/-368.085 χ^2/NDF: 43.9/37

dit_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1865.440+/-0.502 χ^2/NDF: 674989.6/15

Left Out: 1733.006+/-0.300 χ^2/NDF:777.3/20

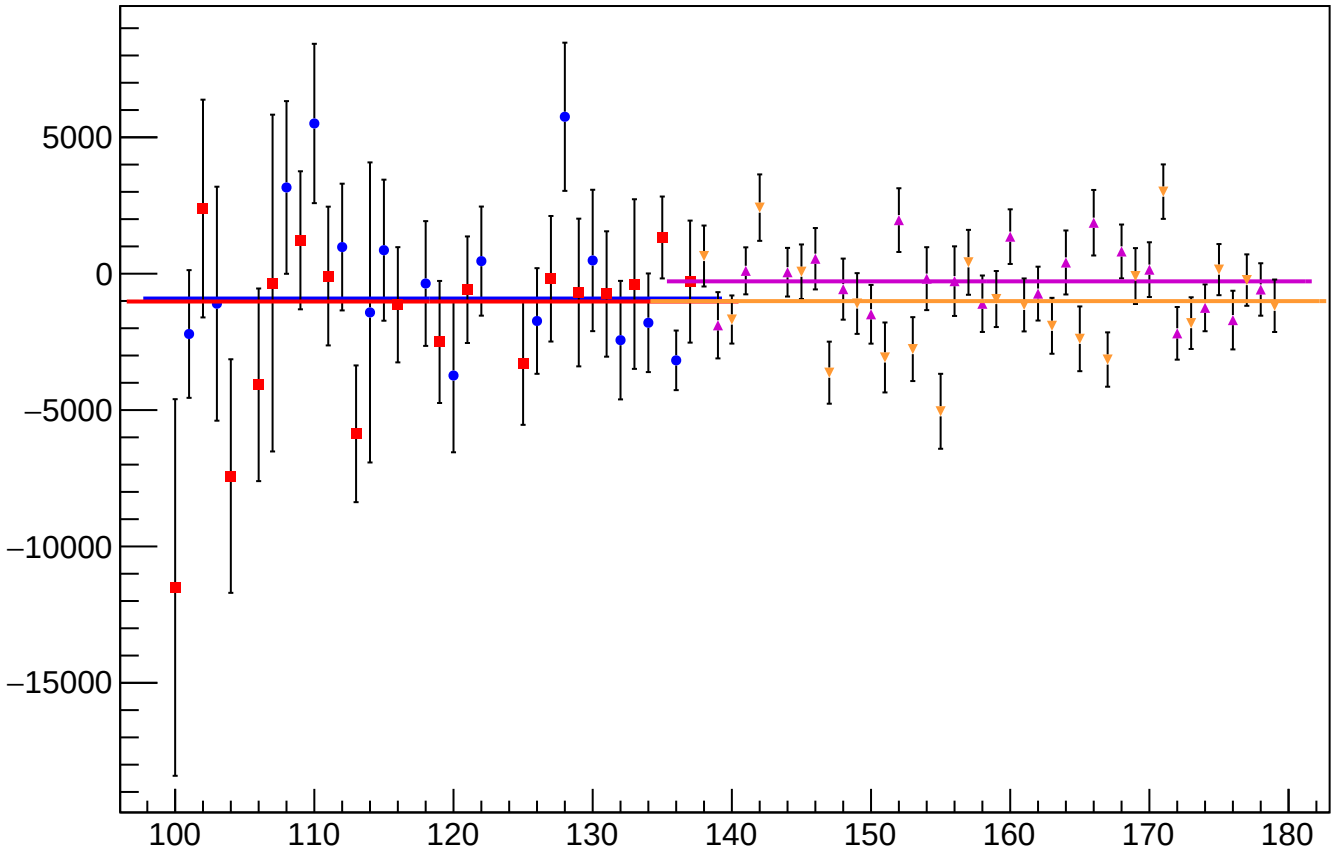
Right Out: 1898.603+/-0.506 χ^2/NDF: 269110.1/17

Left In: 1735.455+/-0.304 χ^2/NDF:2102.9/19

+ sign 1767.870+/-0.258 χ^2/NDF: 727036.6/36

All: 1773.199+/-0.183 χ^2/NDF: 1075588.4/74

- sign 1778.640+/-0.260 χ^2/NDF: 347686.9/37



Right In: -910.955+/-550.836 χ^2/NDF: 21.0/15

Left Out: -1005.464+/-229.397 χ^2/NDF:58.8/20

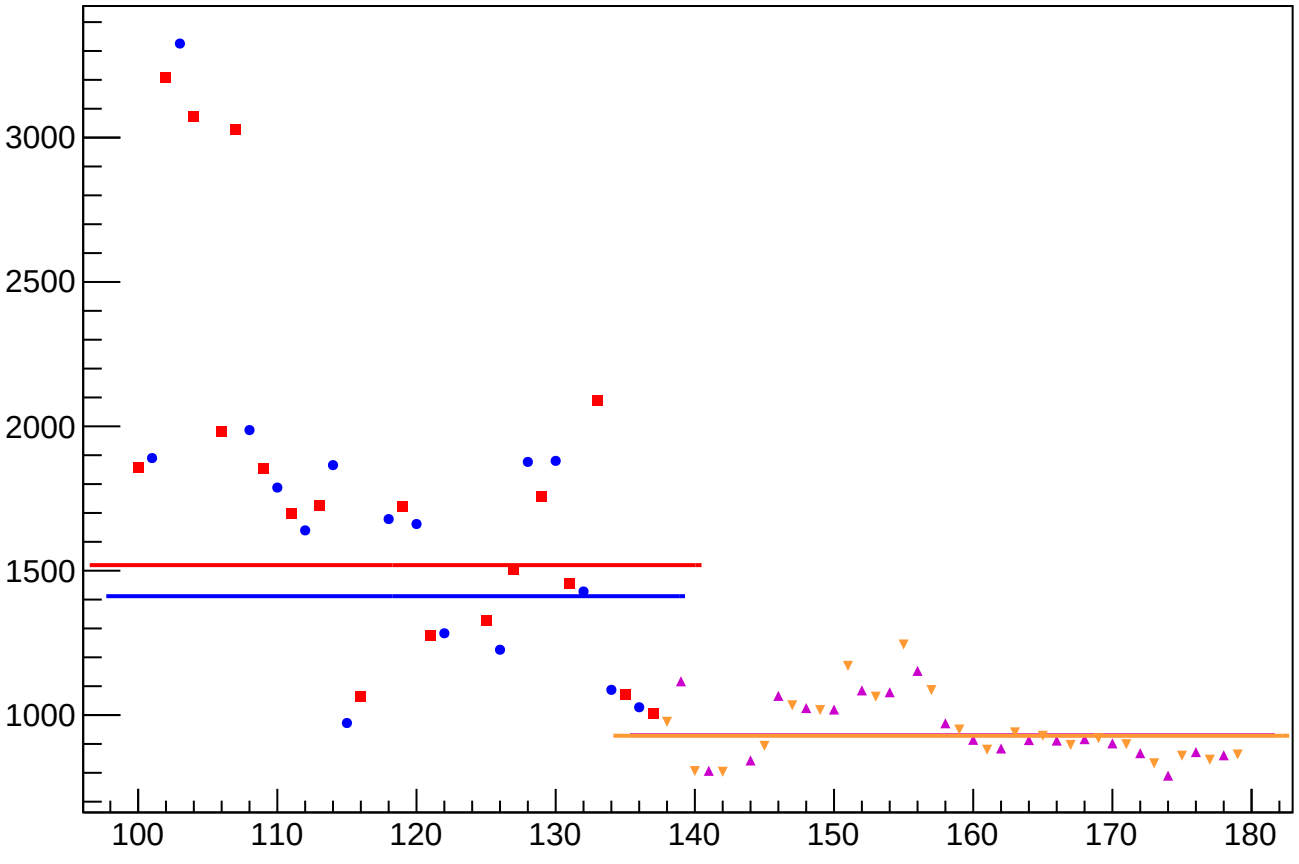
Right Out: -1020.124+/-591.600 χ^2/NDF: 14.9/17

Left In: -280.788+/-231.877 χ^2/NDF:23.1/19

+ sign -991.496+/-211.767 χ^2/NDF: 79.8/36

All: -691.266+/-151.177 χ^2/NDF: 123.3/74

- sign -379.243+/-215.886 χ^2/NDF: 39.4/37



Right In: 1411.748+/-0.389 χ^2/NDF: 1177745.4/15

Left Out: 928.431+/-0.162 χ^2/NDF:400396.0/20

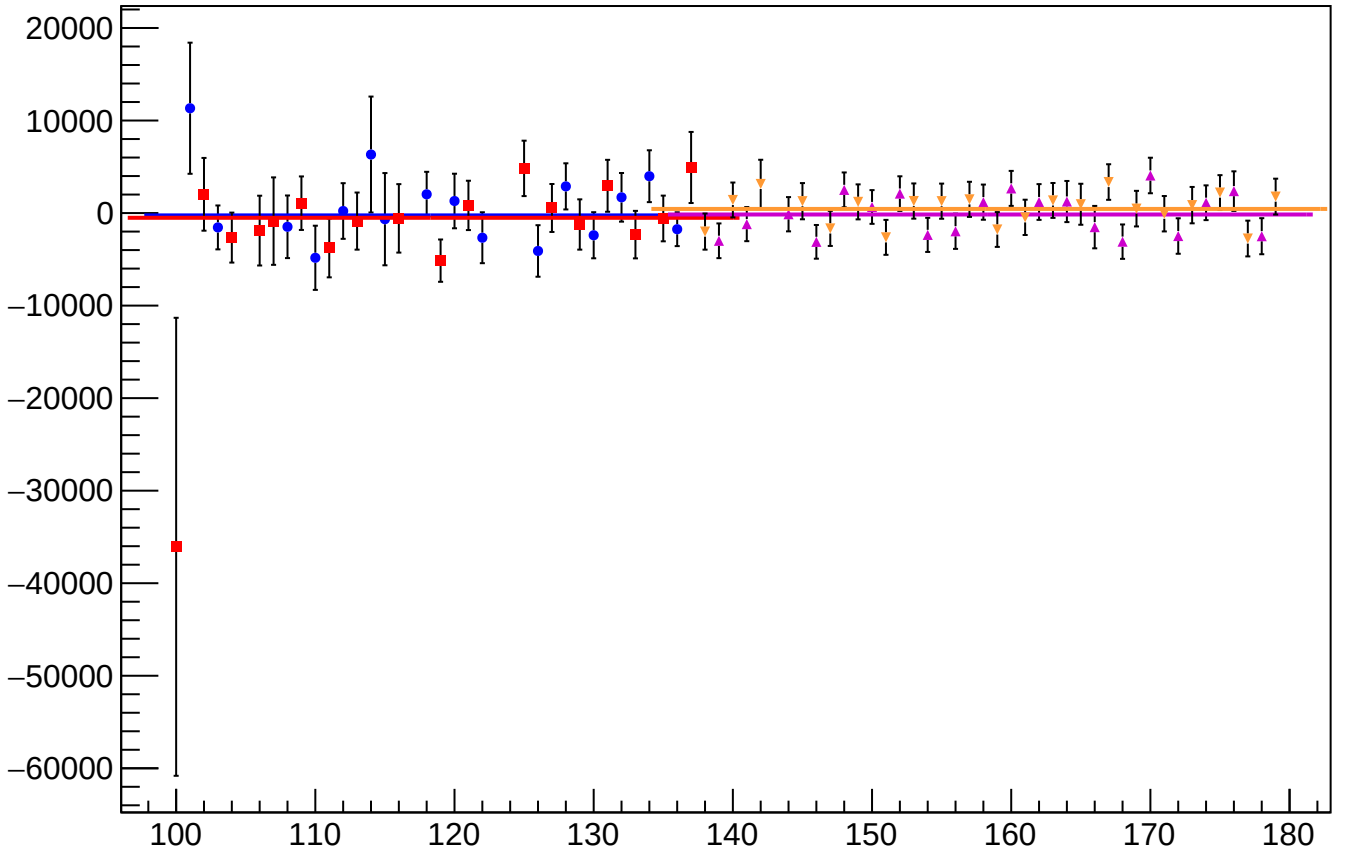
Right Out: 1519.305+/-0.418 χ^2/NDF: 1360145.6/17

Left In: 930.206+/-0.164 χ^2/NDF:382740.2/19

+ sign 999.865+/-0.150 χ^2/NDF: 2890312.1/36

All: 1004.175+/-0.107 χ^2/NDF: 6353925.1/74

- sign 1008.654+/-0.153 χ^2/NDF: 3461923.6/37



Right In: -252.023+/-709.973 χ^2/NDF: 15.6/15

Left Out: 446.710+/-424.403 χ^2/NDF:16.2/20

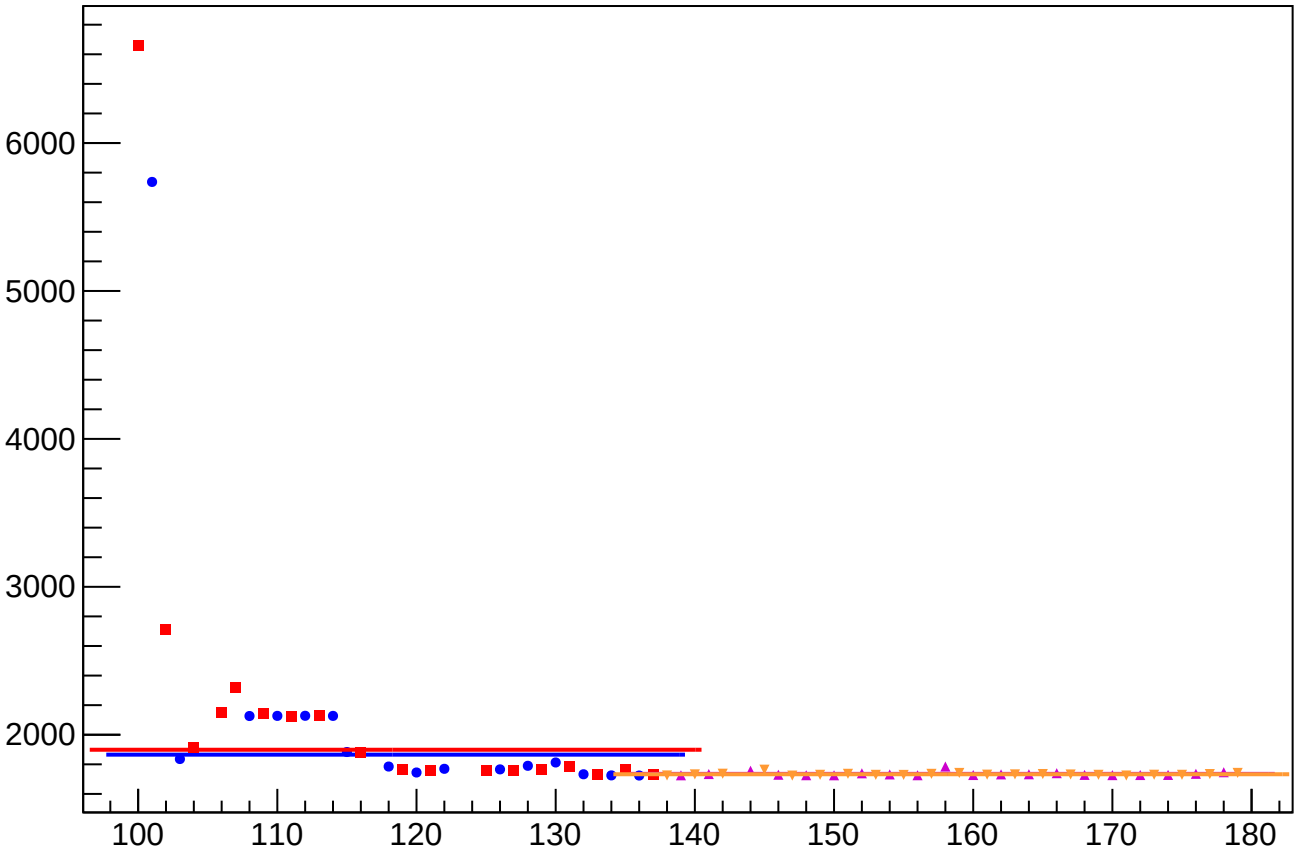
Right Out: -510.117+/-715.442 χ^2/NDF: 16.4/17

Left In: -154.711+/-429.255 χ^2/NDF:27.3/19

+ sign 262.760+/-364.280 χ^2/NDF: 32.6/36

All: 9.645+/-258.920 χ^2/NDF: 77.4/74

- sign -248.786+/-368.085 χ^2/NDF: 43.9/37



Right In: 1865.440+/-0.502 χ^2/NDF: 674989.6/15

Left Out: 1733.006+/-0.300 χ^2/NDF:777.3/20

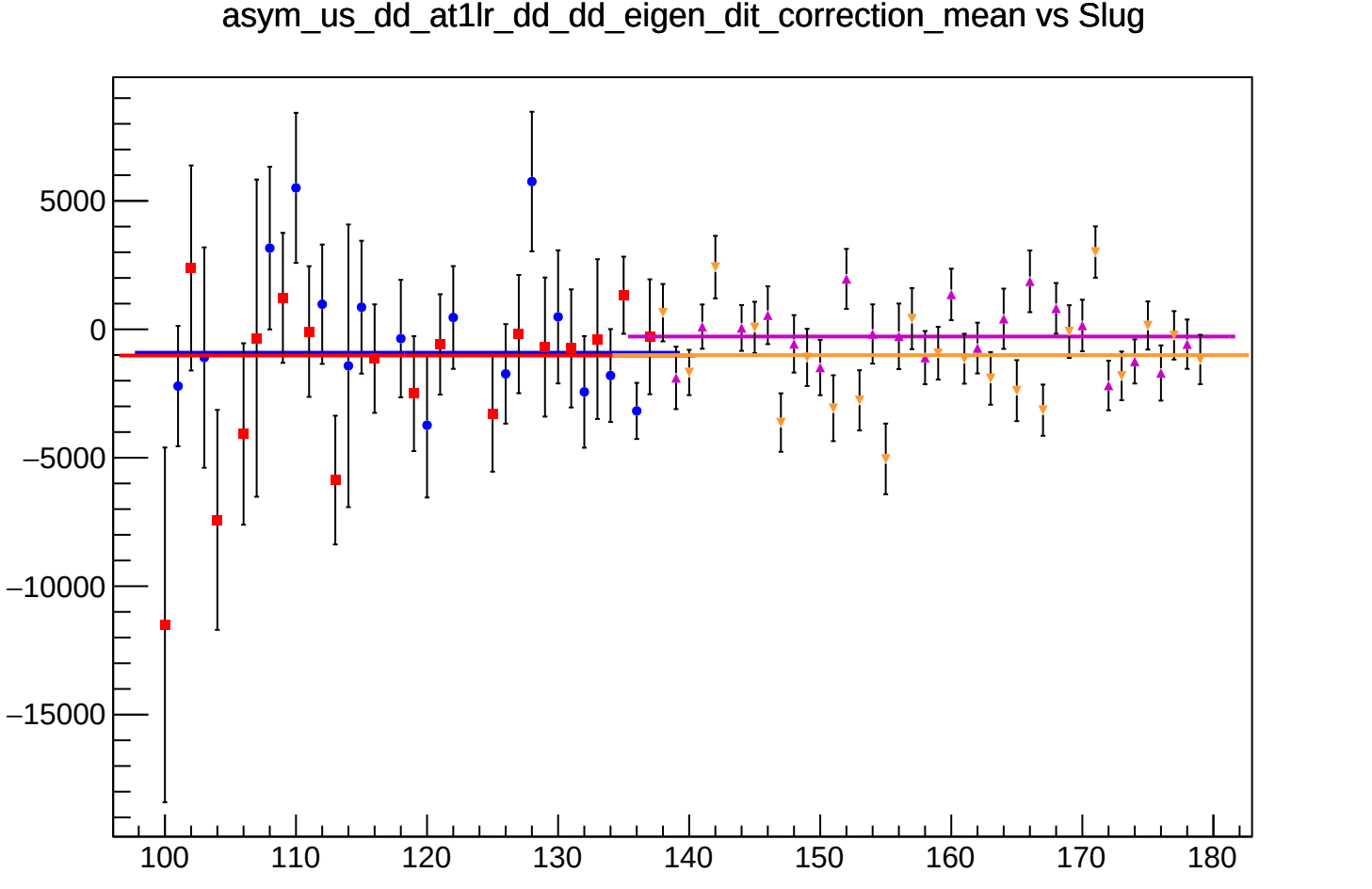
Right Out: 1898.603+/-0.506 χ^2/NDF: 269109.9/17

Left In: 1735.455+/-0.304 χ^2/NDF:2102.9/19

+ sign 1767.870+/-0.258 χ^2/NDF: 727036.5/36

All: 1773.199+/-0.183 χ^2/NDF: 1075588.0/74

- sign 1778.640+/-0.260 χ^2/NDF: 347686.6/37



Right In: -910.950+/-550.835 χ^2/NDF: 21.0/15

Left Out: -1005.464+/-229.397 χ^2/NDF:58.8/20

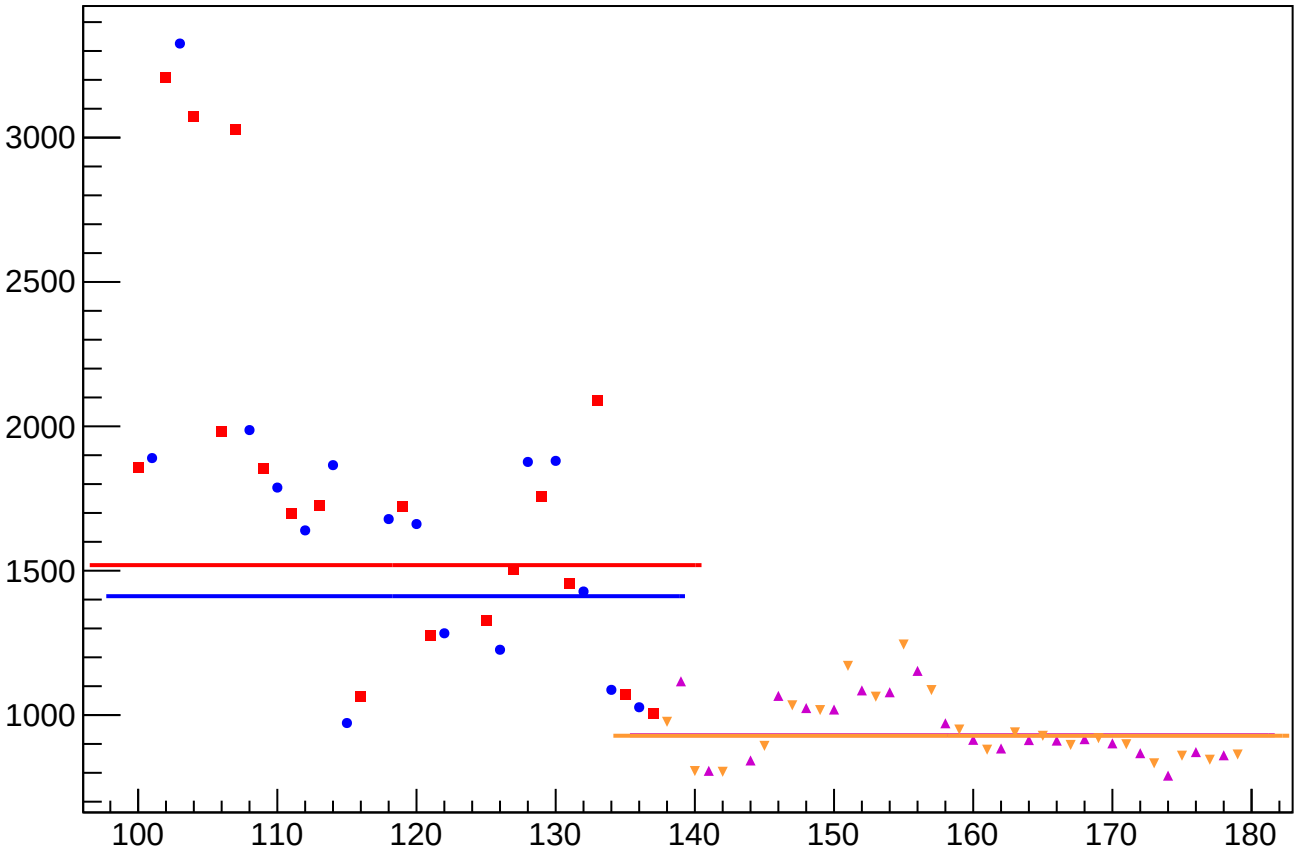
Right Out: -1020.123+/-591.599 χ^2/NDF: 14.9/17

Left In: -280.787+/-231.877 χ^2/NDF:23.1/19

+ sign -991.495+/-211.767 χ^2/NDF: 79.8/36

All: -691.264+/-151.177 χ^2/NDF: 123.3/74

- sign -379.241+/-215.886 χ^2/NDF: 39.4/37



Right In: 1411.745+/-0.389 χ^2/NDF: 1177746.1/15

Left Out: 928.431+/-0.162 χ^2/NDF:400404.5/20

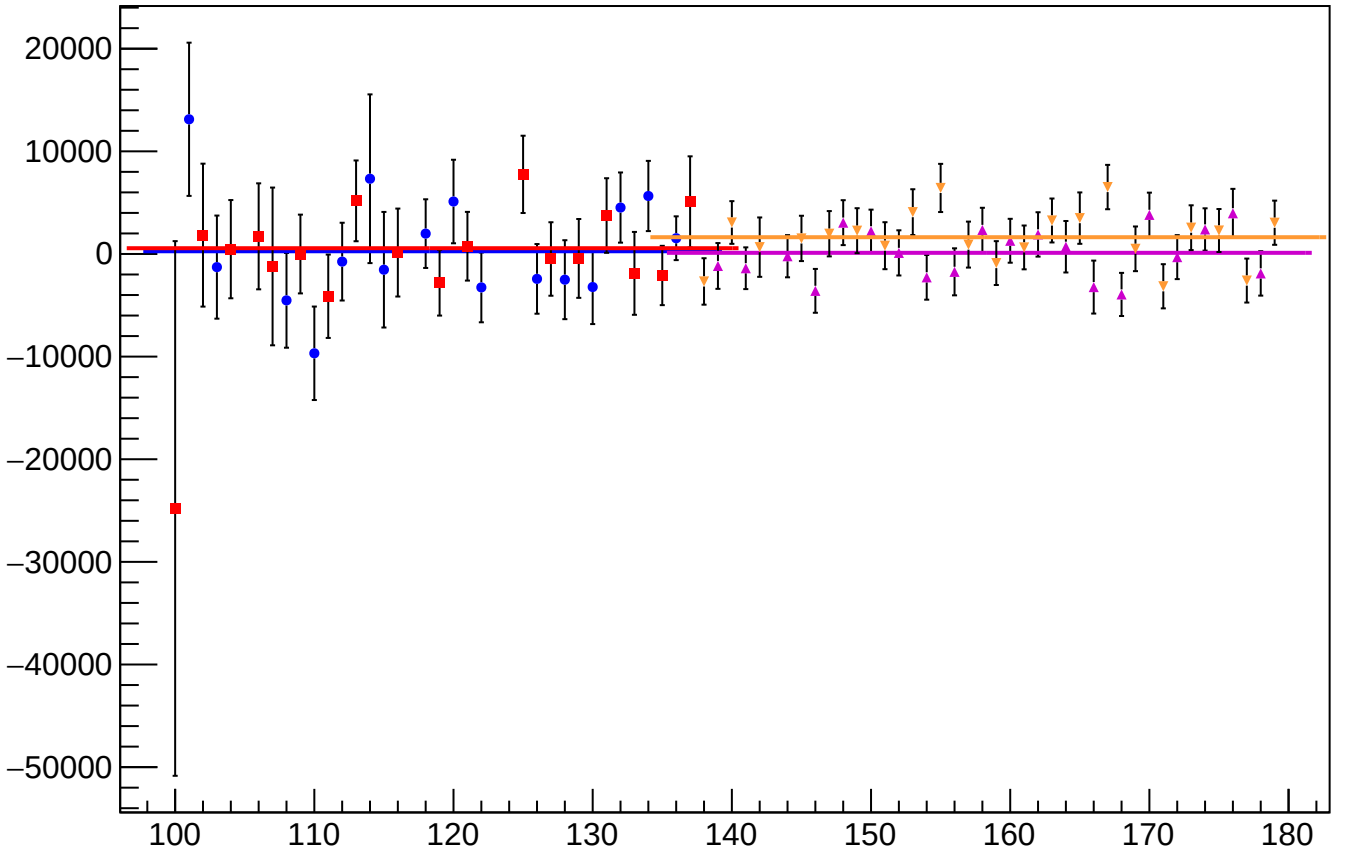
Right Out: 1519.302+/-0.418 χ^2/NDF: 1360150.0/17

Left In: 930.206+/-0.164 χ^2/NDF:382748.8/19

\+ sign 999.865+/-0.150 χ^2/NDF: 2890310.3/36

All: 1004.175+/-0.107 χ^2/NDF: 6353926.6/74

\- sign 1008.654+/-0.153 χ^2/NDF: 3461926.9/37



Right In: 264.383+/-941.979 χ^2/NDF: 19.0/15

Left Out: 1632.731+/-484.122 χ^2/NDF:27.6/20

Right Out: 560.962+/-962.943 χ^2/NDF: 11.7/17

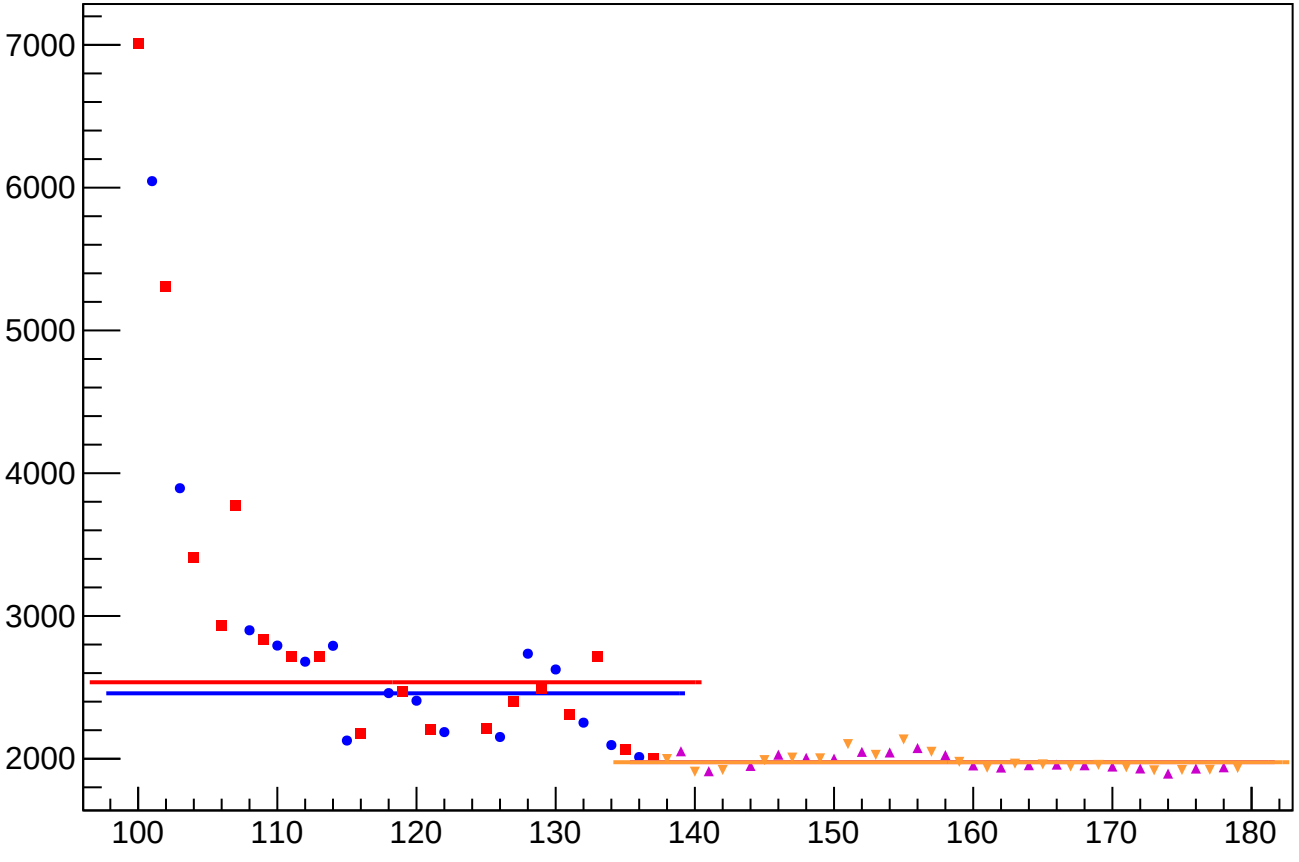
Left In: 111.549+/-489.108 χ^2/NDF:23.7/19

+ sign 1346.820+/-430.584 χ^2/NDF: 48.3/36

All: 782.515+/-306.393 χ^2/NDF: 87.4/74

- sign 203.716+/-436.079 χ^2/NDF: 35.6/37

asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 2458.332+/-0.666 χ^2/NDF: 832888.7/15

Left Out: 1975.745+/-0.342 χ^2/NDF:28798.7/20

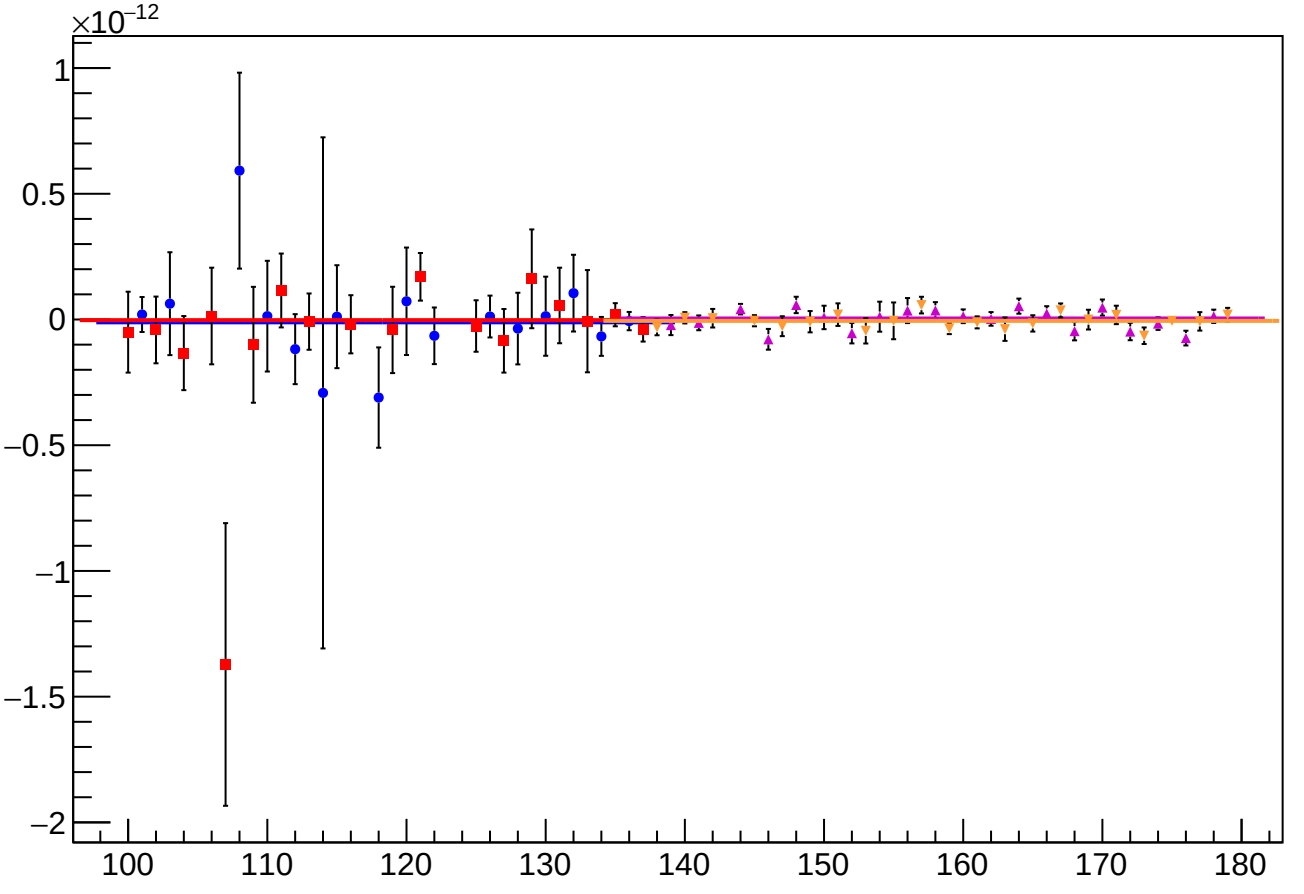
Right Out: 2535.782+/-0.681 χ^2/NDF: 673337.1/17

Left In: 1976.601+/-0.346 χ^2/NDF:22181.5/19

+ sign 2076.579+/-0.304 χ^2/NDF: 1276932.8/36

All: 2083.836+/-0.217 χ^2/NDF: 2509718.6/74

- sign 2091.280+/-0.308 χ^2/NDF: 1231634.9/37



Right In: -0.000+/-0.000 χ^2/NDF: 7.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.1/20

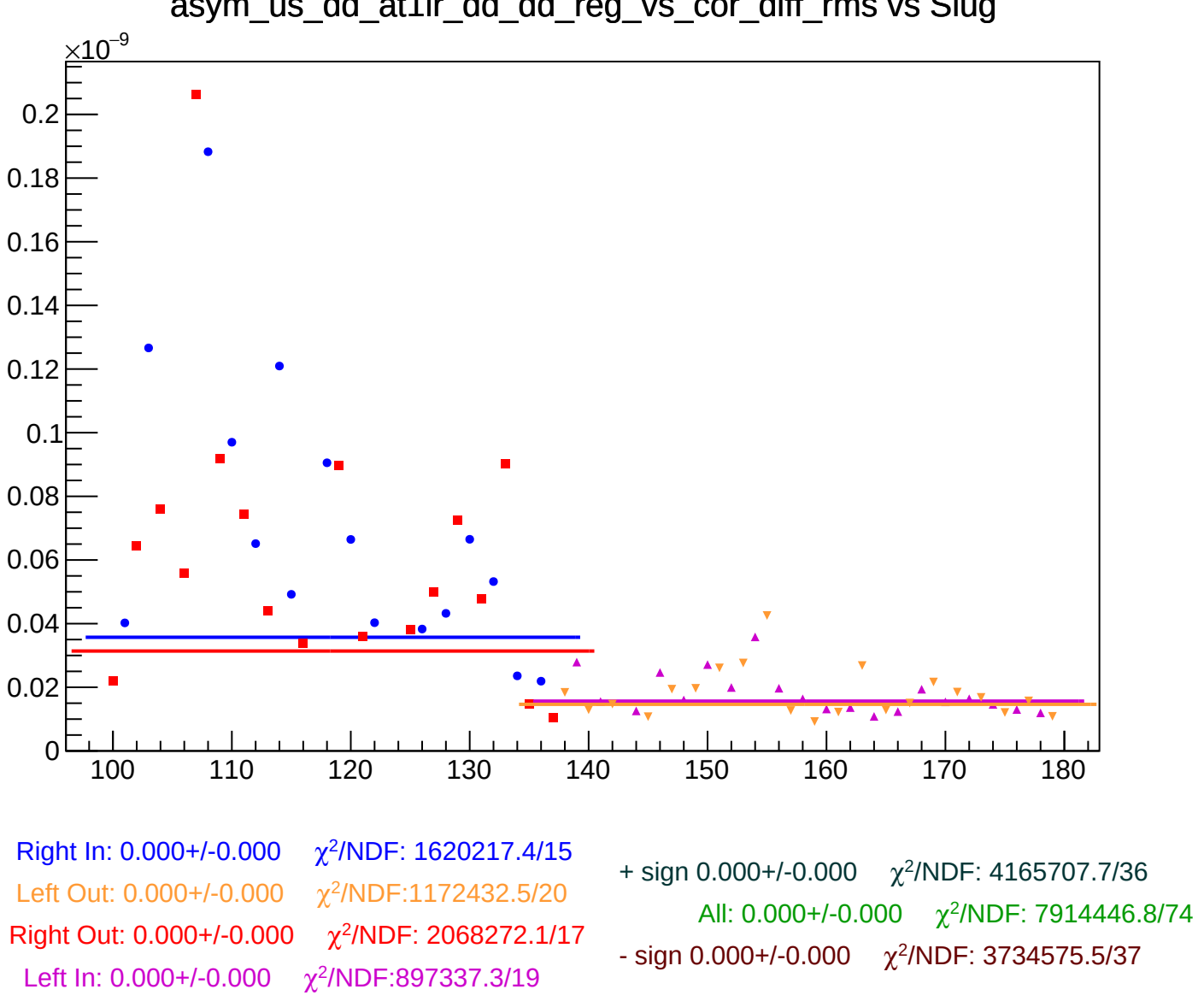
Right Out: -0.000+/-0.000 χ^2/NDF: 13.2/17

Left In: 0.000+/-0.000 χ^2/NDF:31.1/19

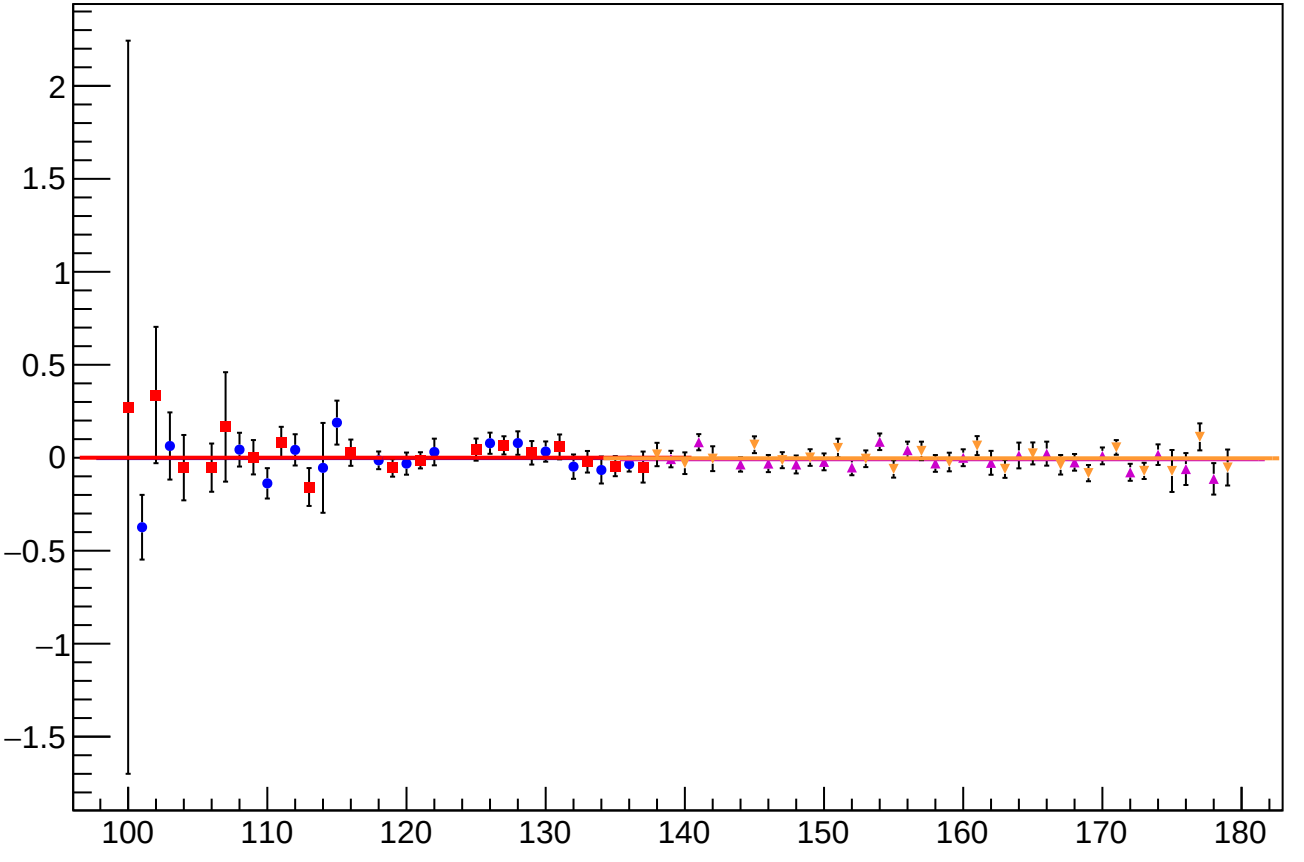
+ sign -0.000+/-0.000 χ^2/NDF: 22.4/36

All: -0.000+/-0.000 χ^2/NDF: 67.9/74

- sign 0.000+/-0.000 χ^2/NDF: 44.4/37


asym_us_dd_at1lr_dd_dd_reg_vs_cor_diff_rms vs Slug
×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
180
Right In: 0.000+/-0.000 χ²/NDF: 1620217.4/15
Left Out: 0.000+/-0.000 χ²/NDF:1172432.5/20
Right Out: 0.000+/-0.000 χ²/NDF: 2068272.1/17
Left In: 0.000+/-0.000 χ²/NDF:897337.3/19
+ sign 0.000+/-0.000 χ²/NDF: 4165707.7/36
All: 0.000+/-0.000 χ²/NDF: 7914446.8/74
- sign 0.000+/-0.000 χ²/NDF: 3734575.5/37

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.002+/-0.017 χ^2/NDF: 17.1/15

Left Out: -0.003+/-0.011 χ^2/NDF:21.4/20

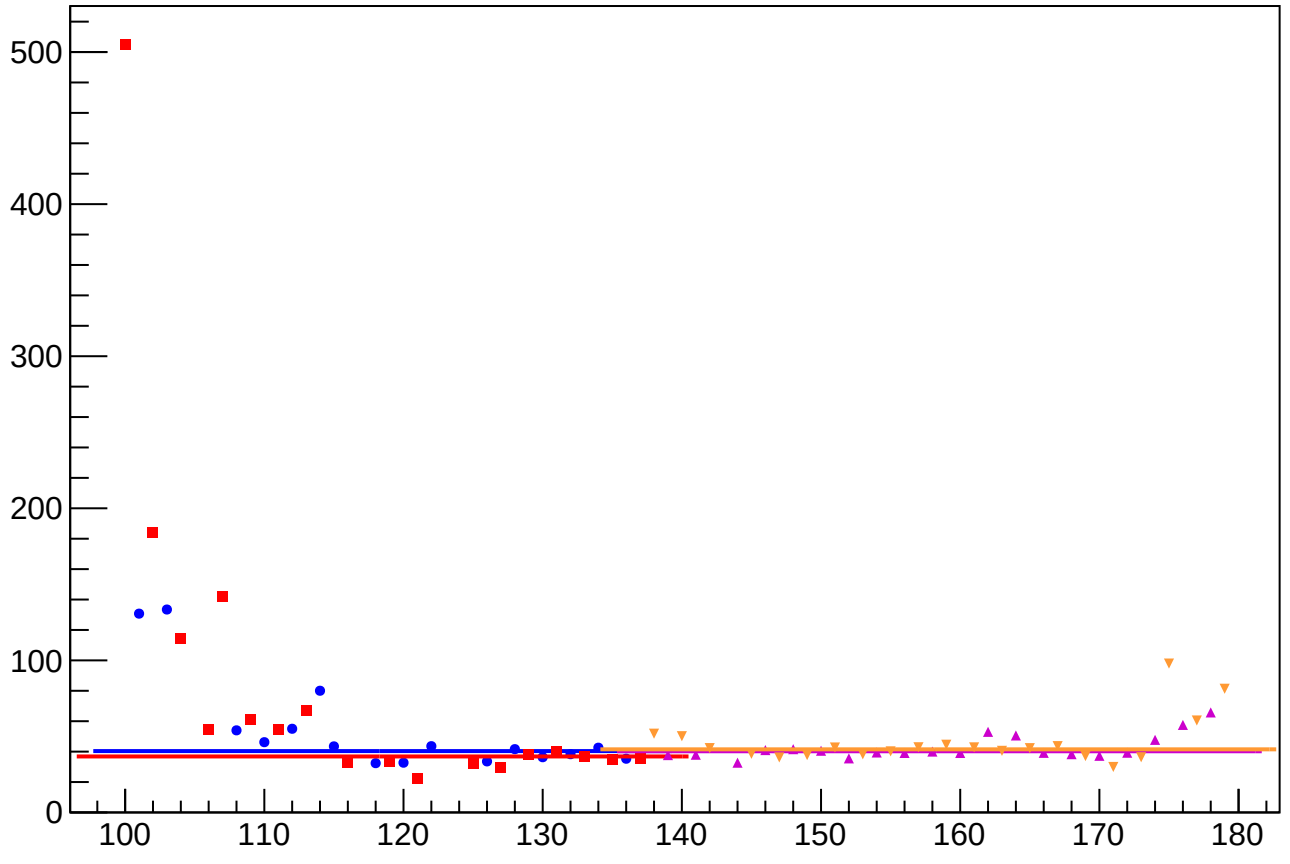
Right Out: 0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: -0.008+/-0.011 χ^2/NDF:17.8/19

+ sign -0.003+/-0.009 χ^2/NDF: 38.5/36

All: -0.004+/-0.007 χ^2/NDF: 67.4/74

- sign -0.006+/-0.009 χ^2/NDF: 28.9/37



Right In: 40.352+/-0.012 χ^2/NDF: 1410137.1/15

Left Out: 41.500+/-0.008 χ^2/NDF:1374864.1/20

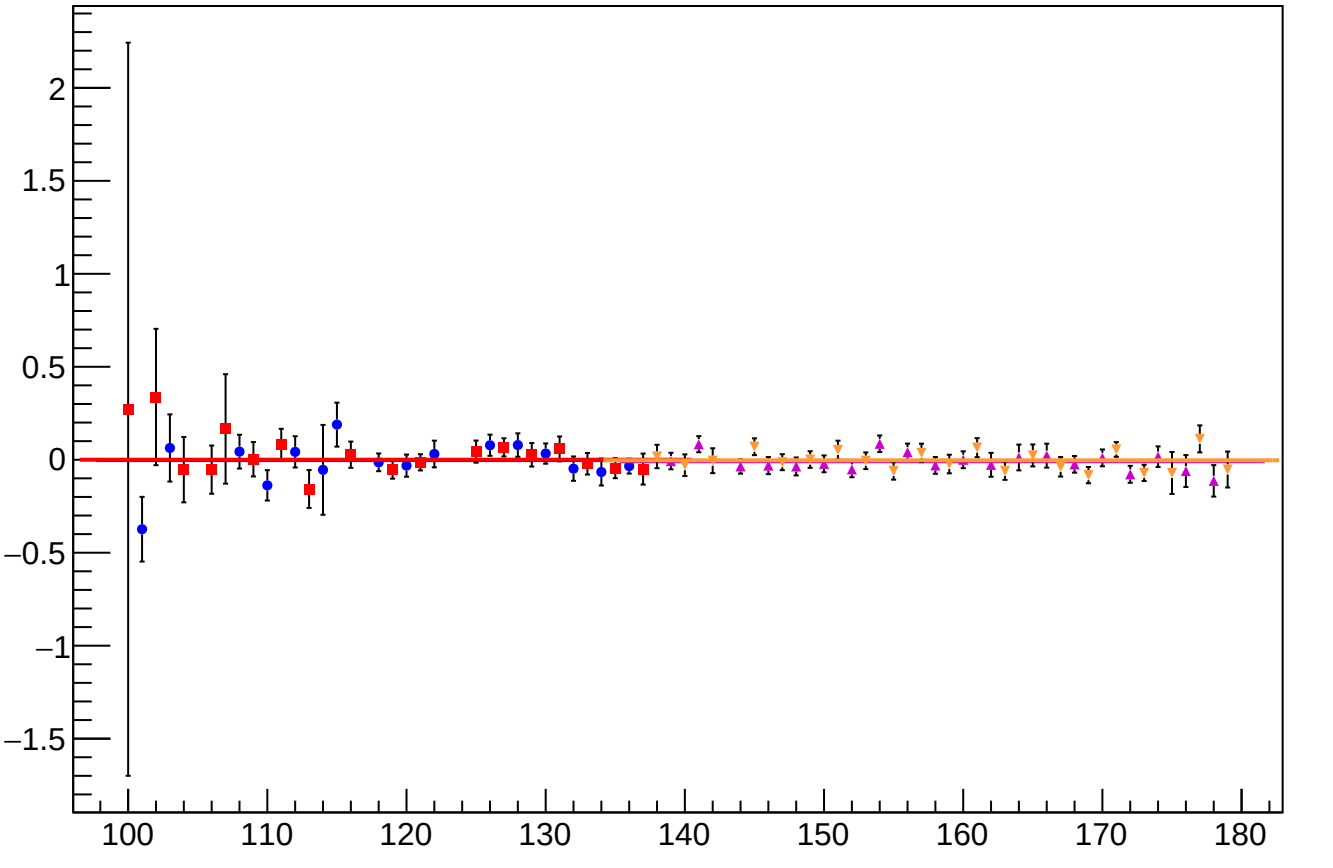
Right Out: 36.825+/-0.012 χ^2/NDF: 1837124.6/17

Left In: 40.239+/-0.008 χ^2/NDF:554297.8/19

+ sign 41.155+/-0.007 χ^2/NDF: 2791321.6/36

All: 40.160+/-0.005 χ^2/NDF: 5285525.1/74

- sign 39.211+/-0.006 χ^2/NDF: 2450097.0/37



Right In: -0.002+/-0.017 χ^2/NDF: 17.1/15

Left Out: -0.003+/-0.011 χ^2/NDF:21.4/20

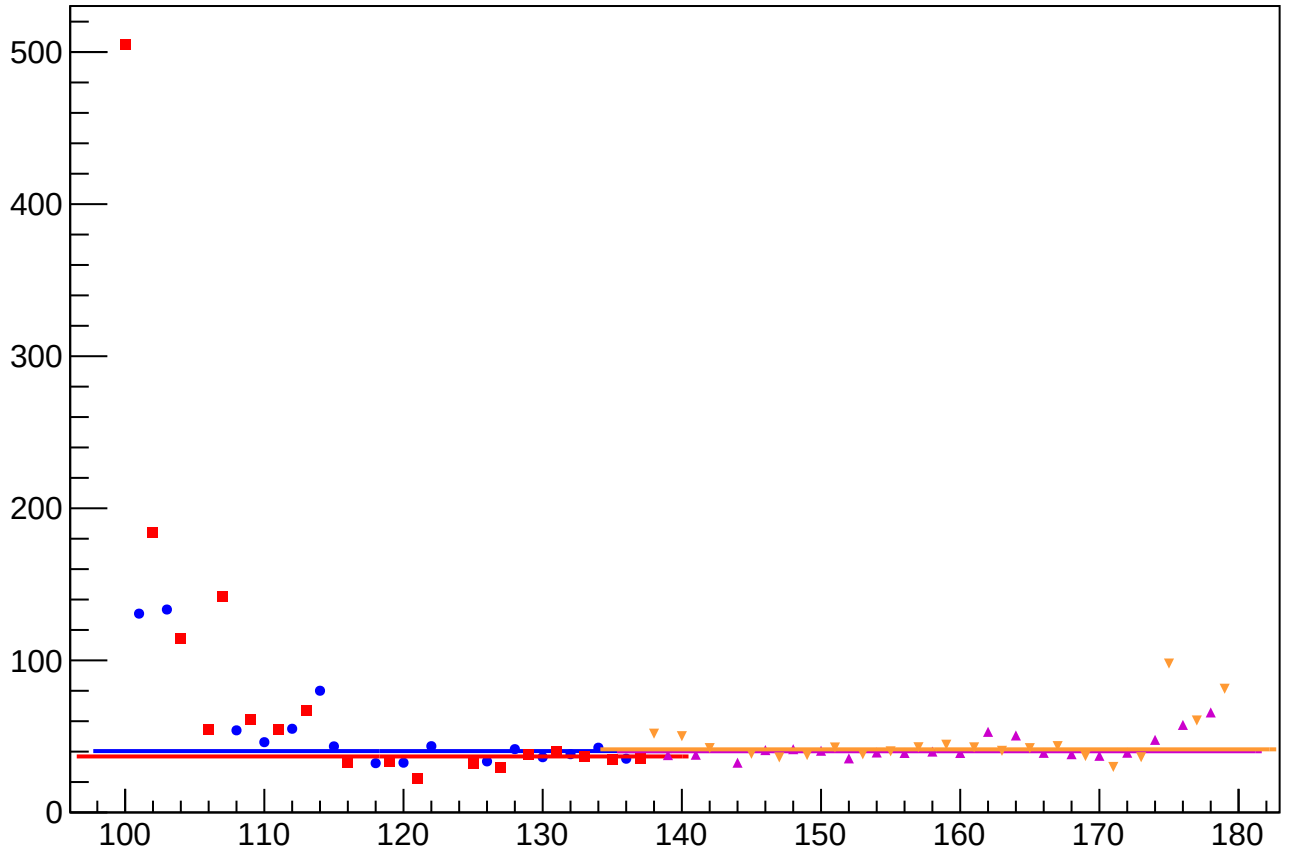
Right Out: 0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: -0.008+/-0.011 χ^2/NDF:17.8/19

+ sign -0.003+/-0.009 χ^2/NDF: 38.5/36

All: -0.004+/-0.007 χ^2/NDF: 67.4/74

- sign -0.006+/-0.009 χ^2/NDF: 28.9/37



Right In: 40.352+/-0.012 χ^2/NDF: 1410137.1/15

Left Out: 41.500+/-0.008 χ^2/NDF:1374864.1/20

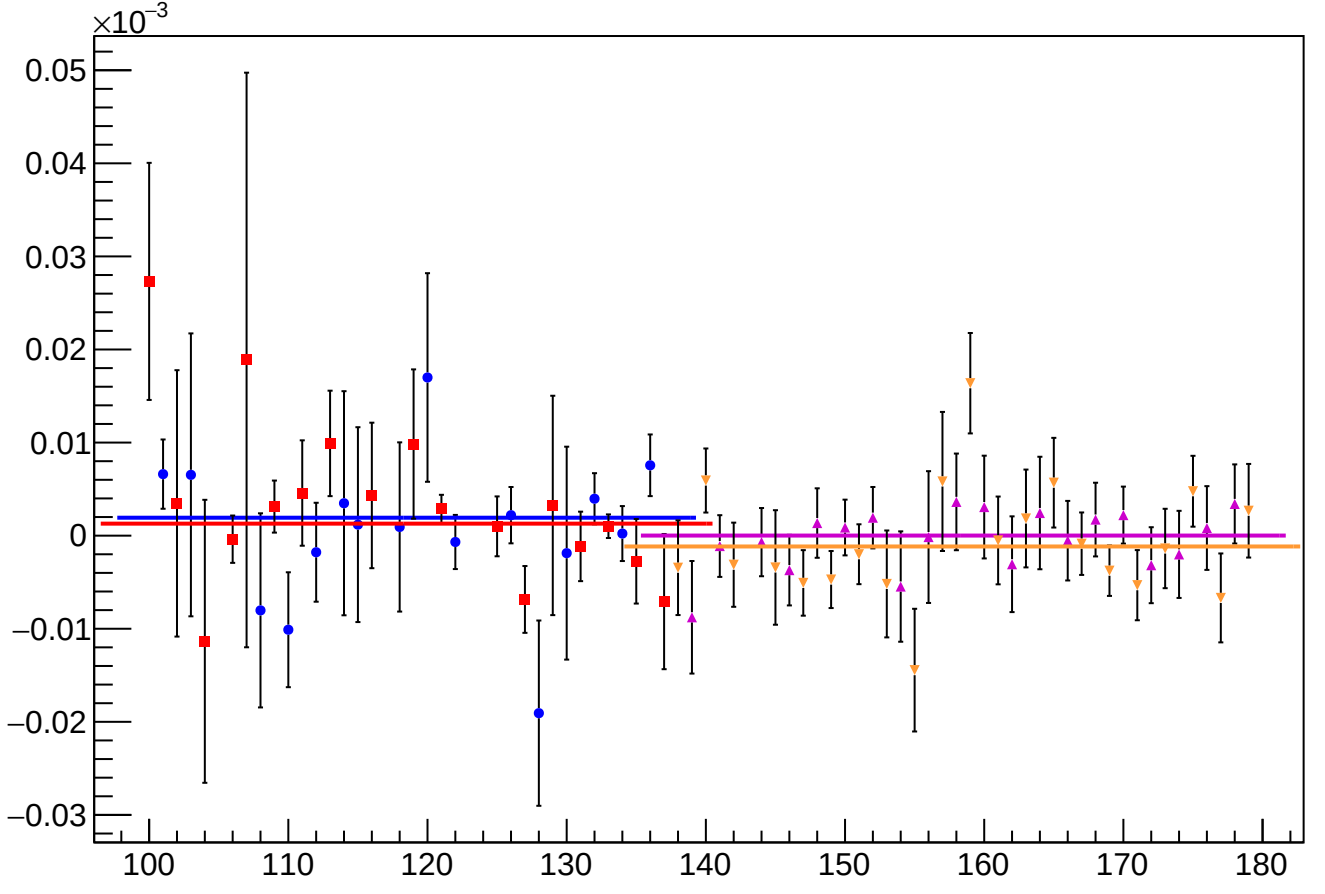
Right Out: 36.825+/-0.012 χ^2/NDF: 1837124.6/17

Left In: 40.239+/-0.008 χ^2/NDF:554297.8/19

\+ sign 41.155+/-0.007 χ^2/NDF: 2791321.6/36

All: 40.160+/-0.005 χ^2/NDF: 5285525.1/74

\- sign 39.211+/-0.006 χ^2/NDF: 2450097.0/37



Right In: 0.000+/-0.000 χ^2/NDF: 17.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:32.3/20

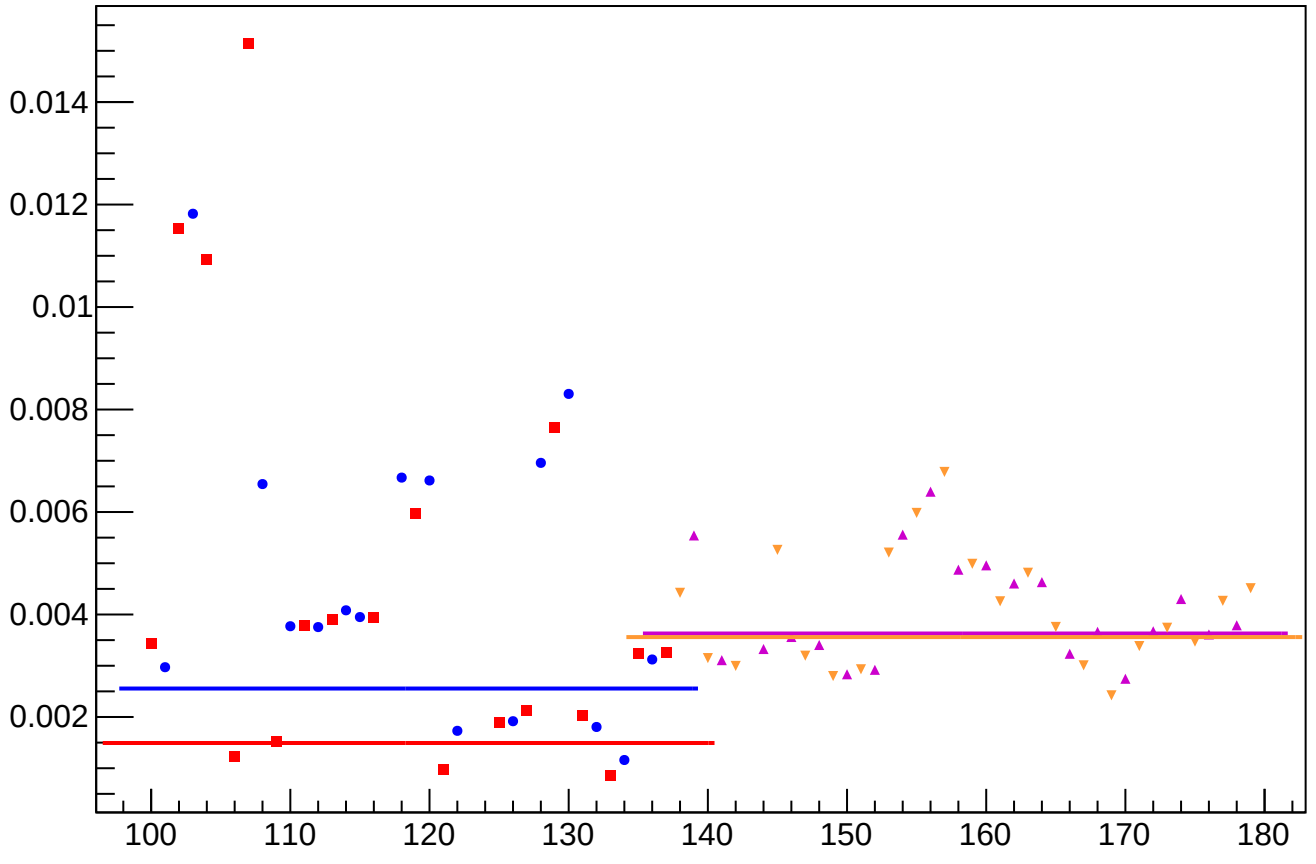
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/17

Left In: 0.000+/-0.000 χ^2/NDF:8.1/19

+ sign 0.000+/-0.000 χ^2/NDF: 54.6/36

All: 0.000+/-0.000 χ^2/NDF: 83.5/74

- sign 0.000+/-0.000 χ^2/NDF: 28.2/37



Right In: 0.003+/-0.000 χ^2/NDF: 3782362.0/15

Left Out: 0.004+/-0.000 χ^2/NDF:2131090.4/20

Right Out: 0.001+/-0.000 χ^2/NDF: 5561830.1/17

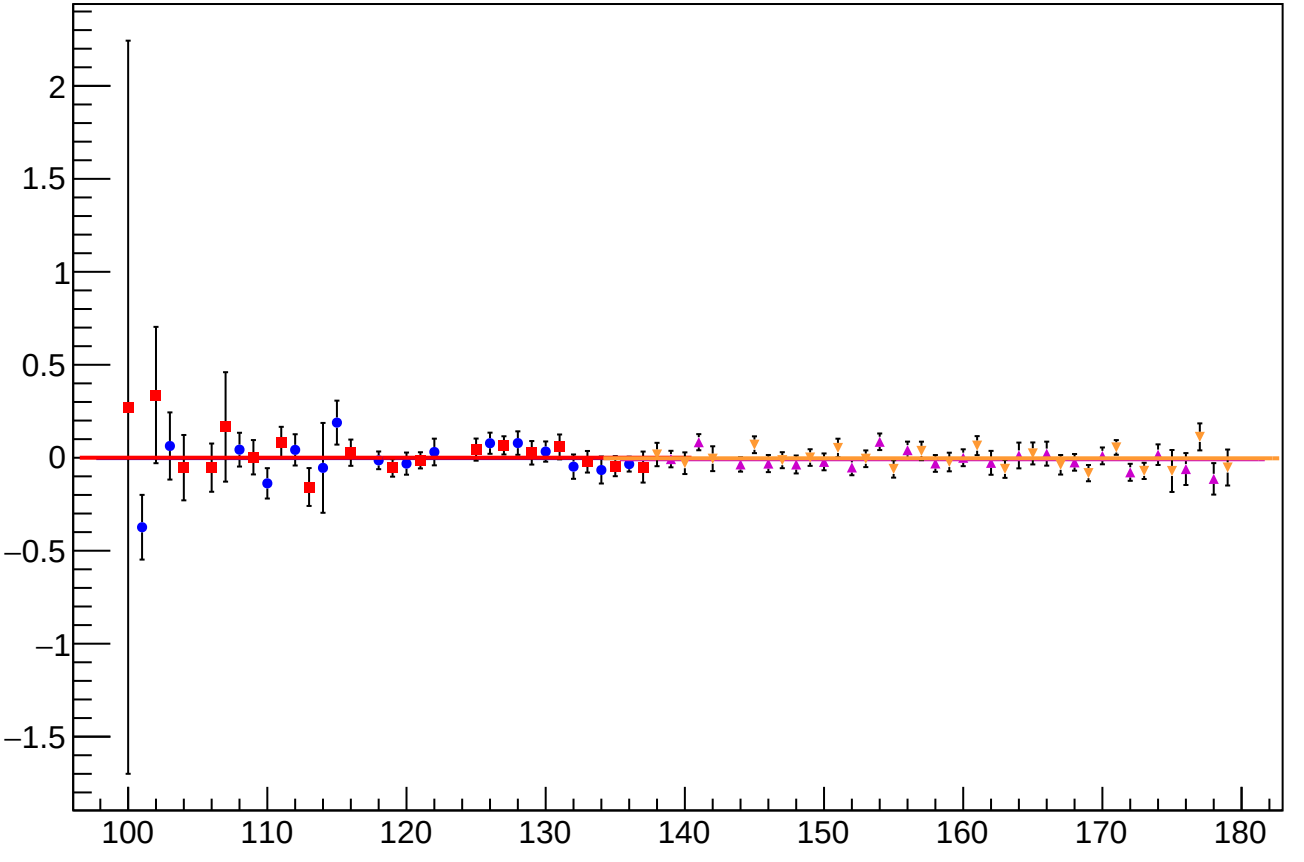
Left In: 0.004+/-0.000 χ^2/NDF:1608243.8/19

+ sign 0.003+/-0.000 χ^2/NDF: 6861039.2/36

All: 0.003+/-0.000 χ^2/NDF: 22060360.9/74

- sign 0.002+/-0.000 χ^2/NDF: 13557627.6/37

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.002+/-0.017 χ^2/NDF: 17.1/15

Left Out: -0.003+/-0.011 χ^2/NDF:21.4/20

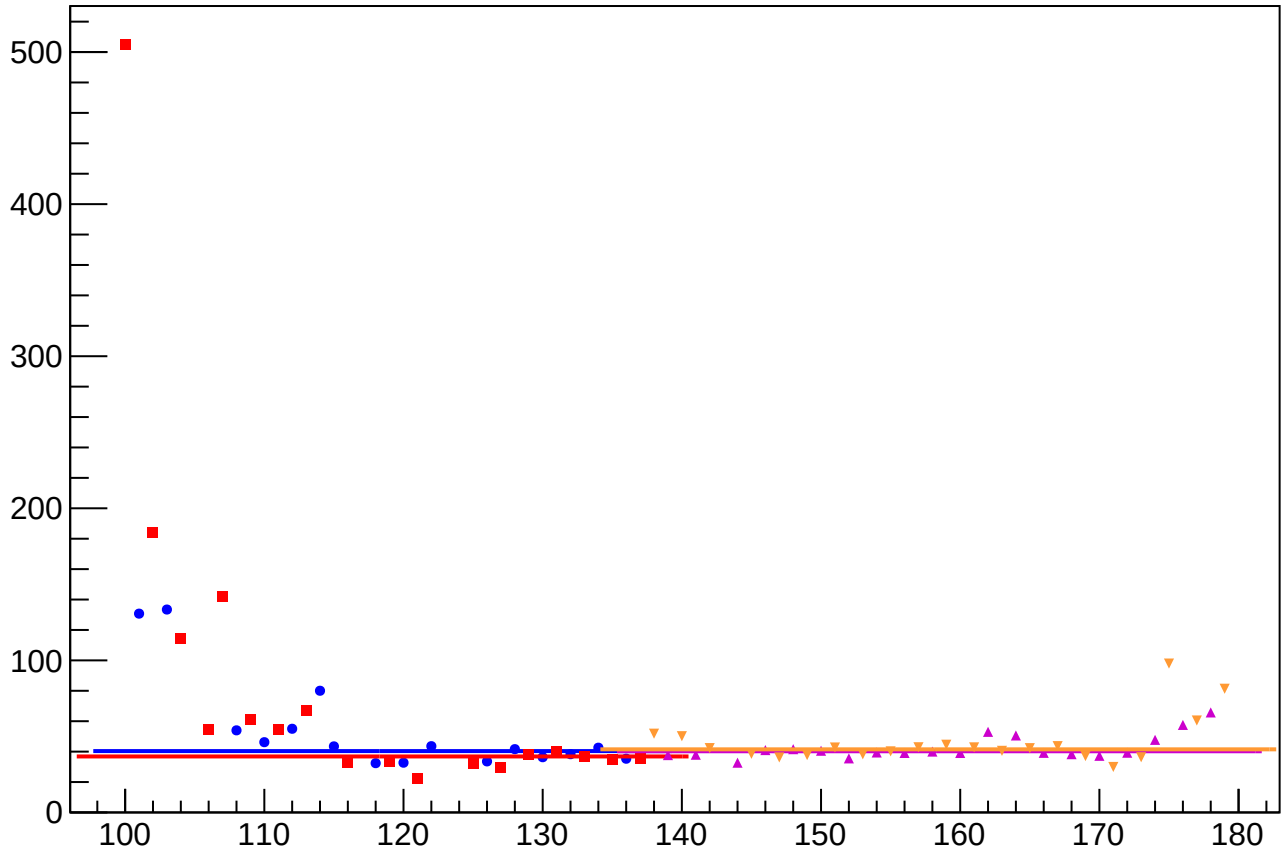
Right Out: 0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: -0.008+/-0.011 χ^2/NDF:17.8/19

+ sign -0.003+/-0.009 χ^2/NDF: 38.5/36

All: -0.004+/-0.007 χ^2/NDF: 67.4/74

- sign -0.006+/-0.009 χ^2/NDF: 28.9/37



Right In: 40.352+/-0.012 χ^2/NDF: 1410036.7/15

Left Out: 41.499+/-0.008 χ^2/NDF:1374899.7/20

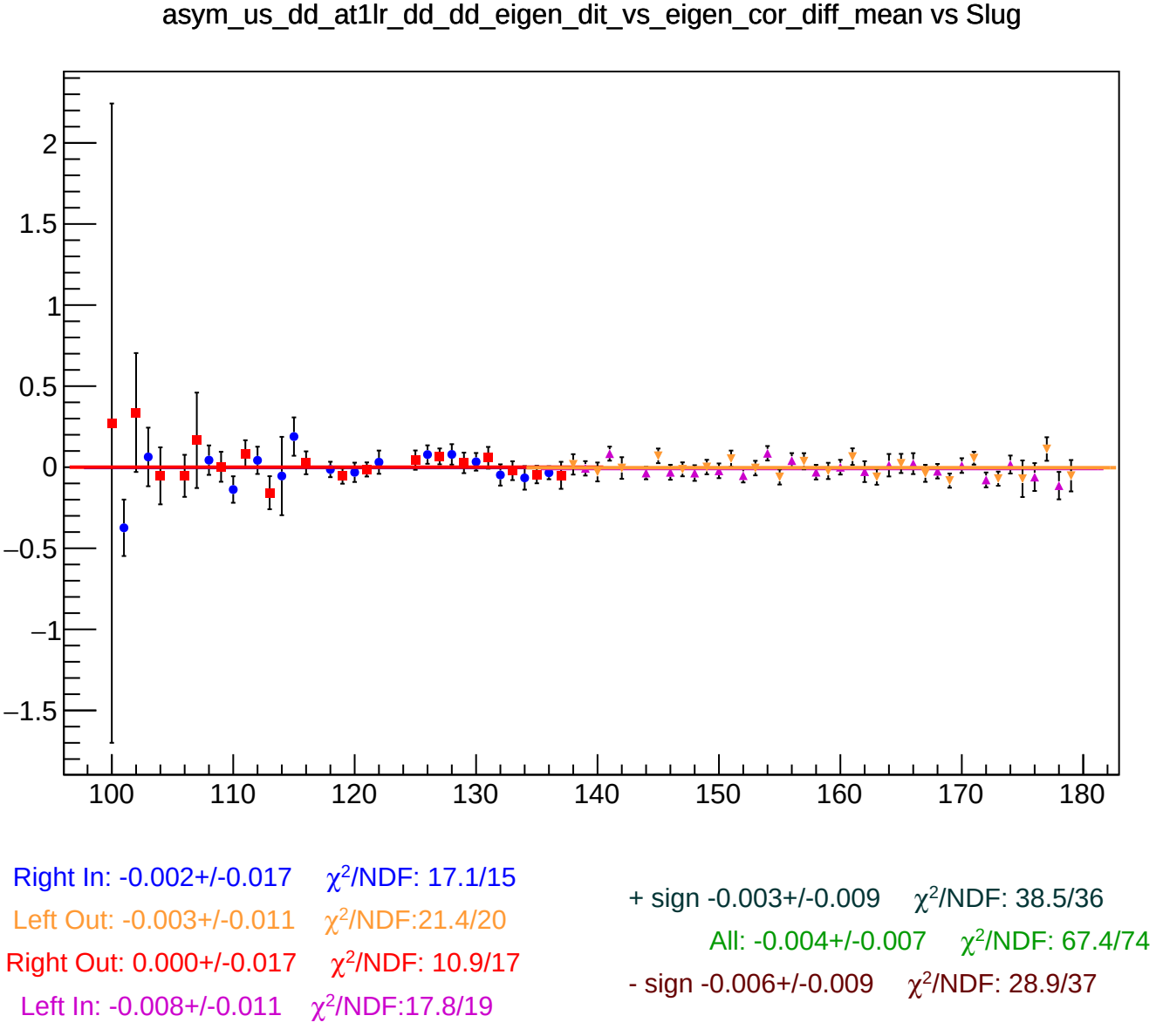
Right Out: 36.824+/-0.012 χ^2/NDF: 1837118.8/17

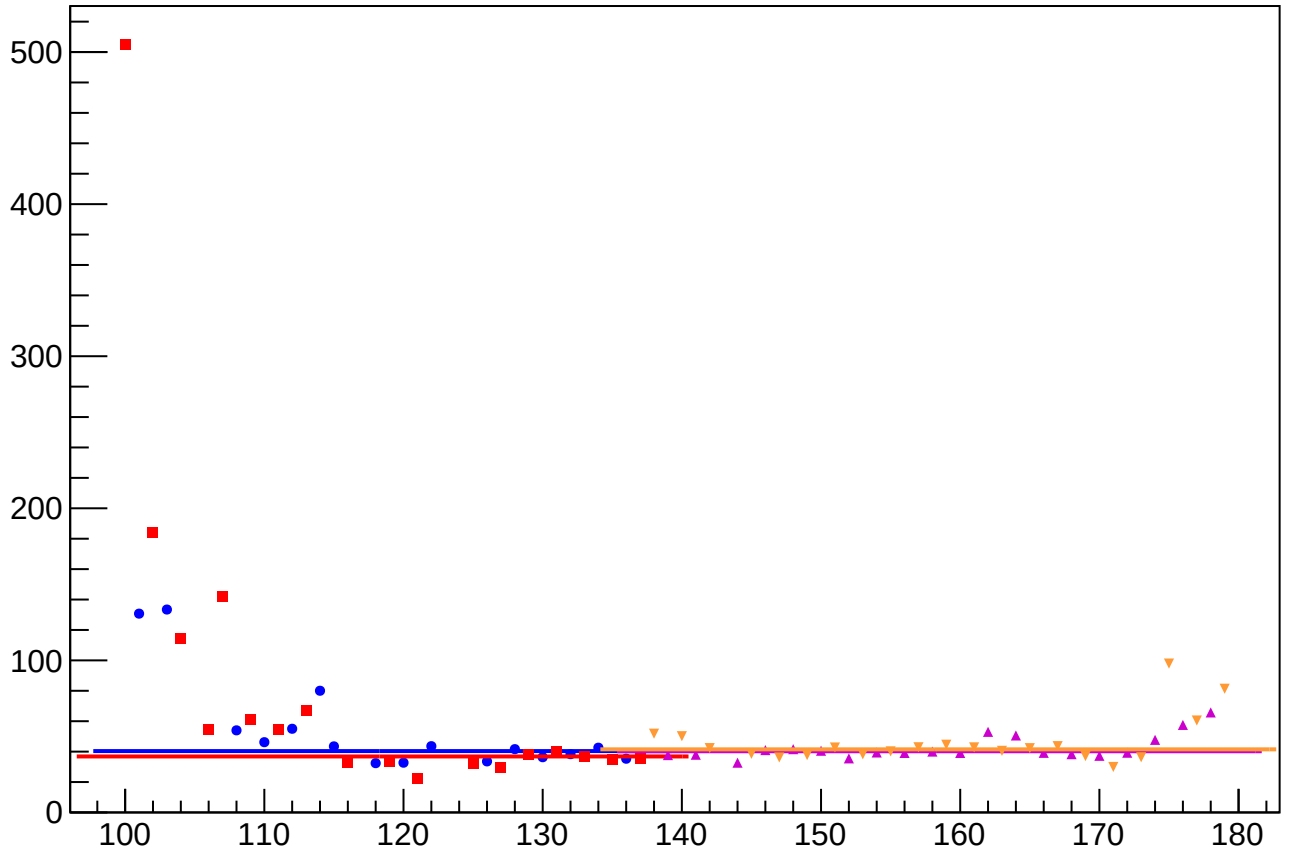
Left In: 40.239+/-0.008 χ^2/NDF:554234.6/19

+ sign 41.155+/-0.007 χ^2/NDF: 2791248.2/36

All: 40.160+/-0.005 χ^2/NDF: 5285427.3/74

- sign 39.211+/-0.006 χ^2/NDF: 2450055.0/37


asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
2
1.5
1
0.5
0
−0.5
−1
−1.5
100
110
120
130
140
150
160
170
180
Right In: -0.002+/-0.017 χ²/NDF: 17.1/15
Left Out: -0.003+/-0.011 χ²/NDF:21.4/20
Right Out: 0.000+/-0.017 χ²/NDF: 10.9/17
Left In: -0.008+/-0.011 χ²/NDF:17.8/19
+ sign -0.003+/-0.009 χ²/NDF: 38.5/36
All: -0.004+/-0.007 χ²/NDF: 67.4/74
- sign -0.006+/-0.009 χ²/NDF: 28.9/37



Right In: 40.352+/-0.012 χ^2/NDF: 1410036.7/15

Left Out: 41.499+/-0.008 χ^2/NDF:1374899.7/20

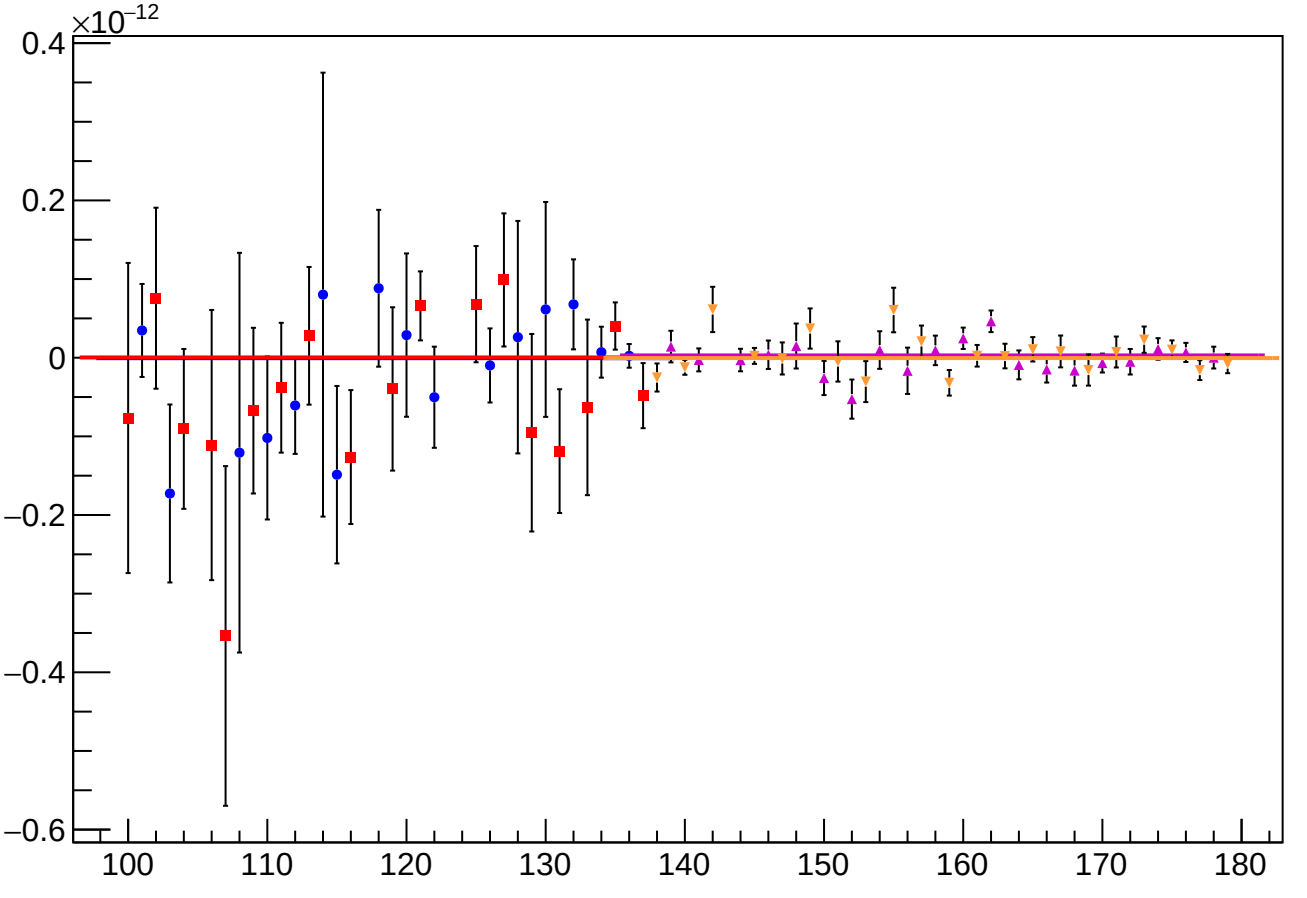
Right Out: 36.824+/-0.012 χ^2/NDF: 1837118.8/17

Left In: 40.239+/-0.008 χ^2/NDF:554234.6/19

+ sign 41.155+/-0.007 χ^2/NDF: 2791248.2/36

All: 40.160+/-0.005 χ^2/NDF: 5285427.3/74

- sign 39.211+/-0.006 χ^2/NDF: 2450055.0/37



Right In: -0.000+/-0.000 χ^2/NDF: 9.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:27.2/20

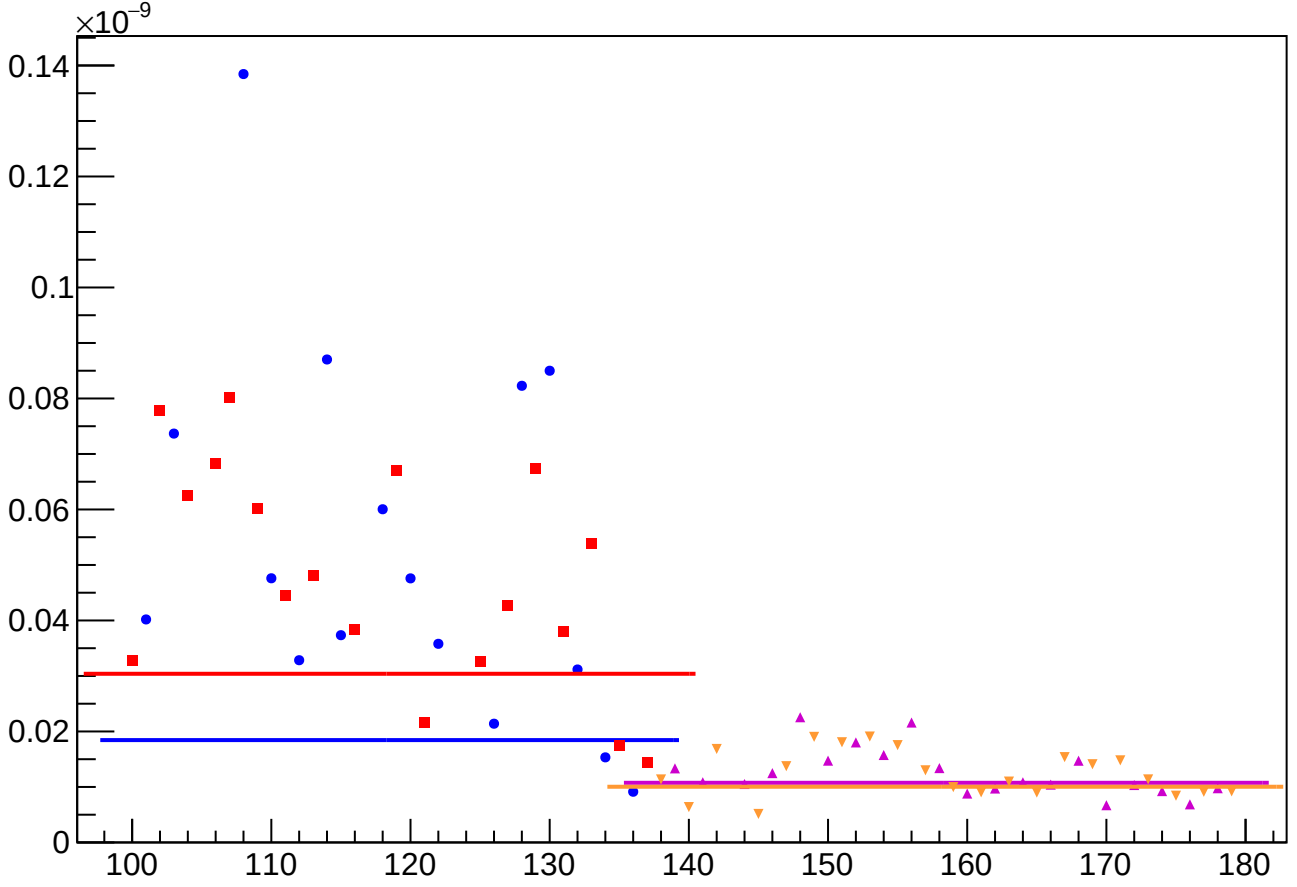
Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/17

Left In: 0.000+/-0.000 χ^2/NDF:24.7/19

+ sign -0.000+/-0.000 χ^2/NDF: 37.1/36

All: 0.000+/-0.000 χ^2/NDF: 80.6/74

- sign 0.000+/-0.000 χ^2/NDF: 43.0/37



Right In: 0.000+/-0.000 χ^2/NDF: 4022915.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:2259134.7/20

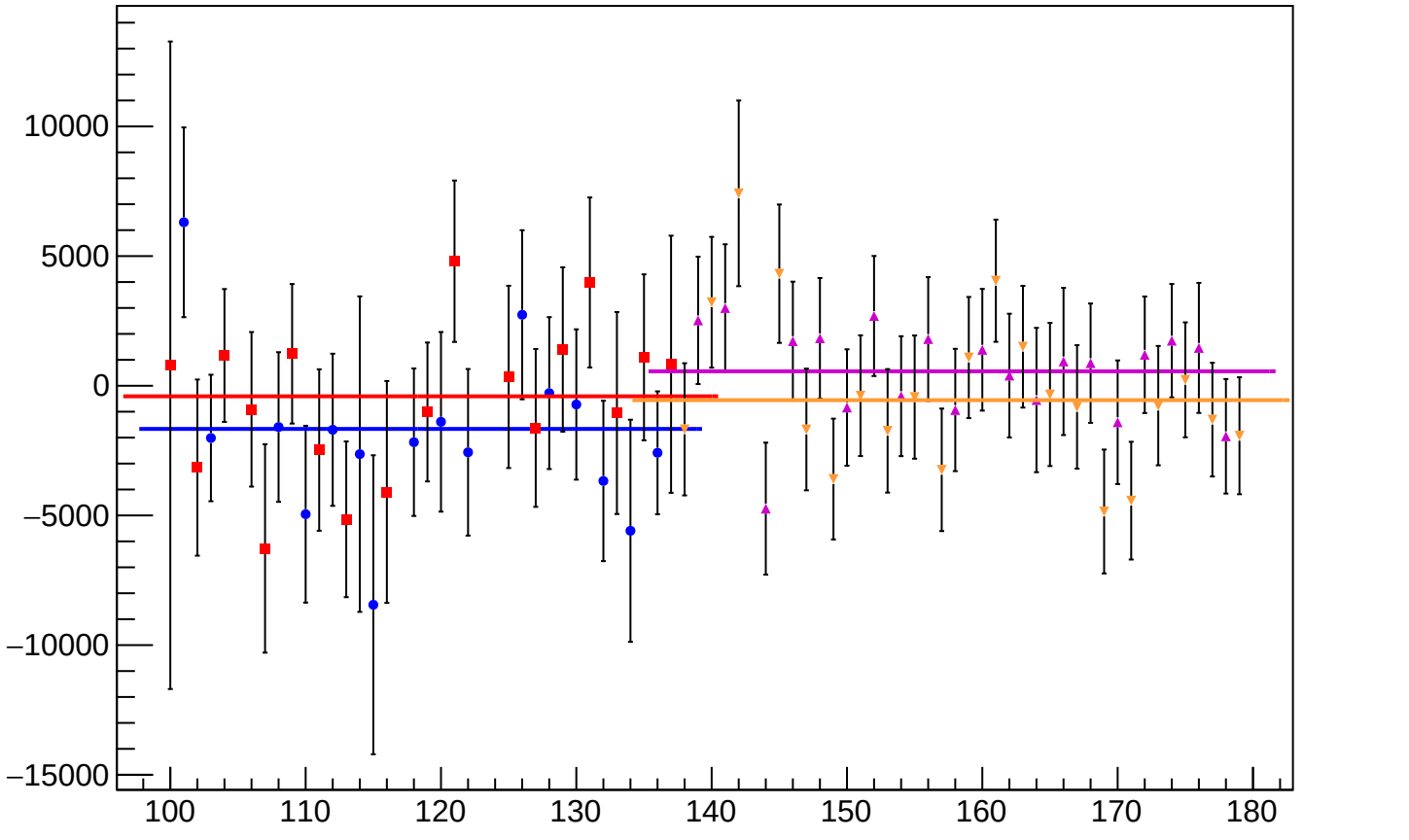
Right Out: 0.000+/-0.000 χ^2/NDF: 2387224.9/17

Left In: 0.000+/-0.000 χ^2/NDF:1636152.6/19

+ sign 0.000+/-0.000 χ^2/NDF: 7253948.2/36

All: 0.000+/-0.000 χ^2/NDF: 14067410.4/74

- sign 0.000+/-0.000 χ^2/NDF: 6735656.0/37



Right In: -1664.305+/-792.164 χ^2/NDF: 10.8/15

Left Out: -554.561+/-524.635 χ^2/NDF:26.1/20

Right Out: -406.847+/-777.158 χ^2/NDF: 12.7/17

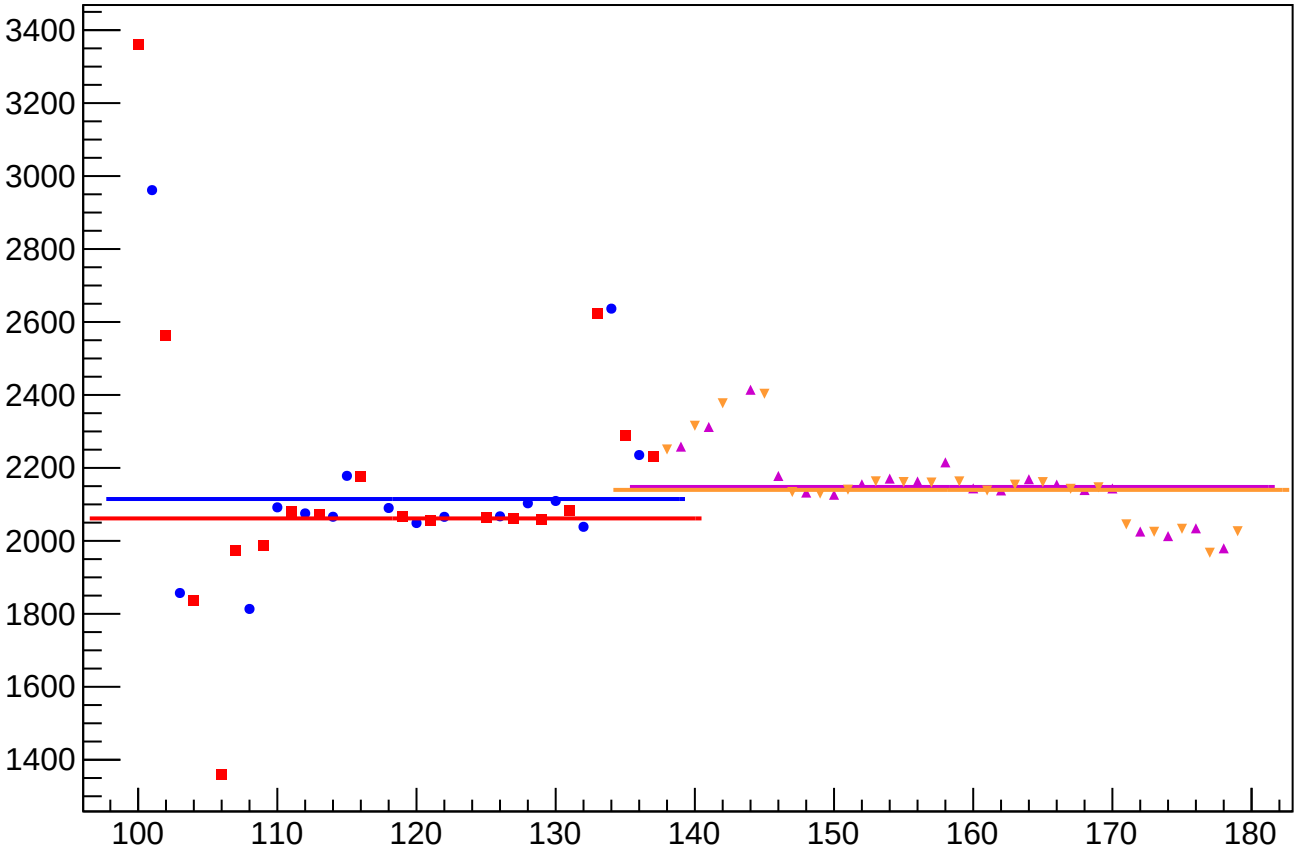
Left In: 558.116+/-531.803 χ^2/NDF:11.4/19

+ sign -892.908+/-437.406 χ^2/NDF: 38.2/36

All: -323.197+/-309.814 χ^2/NDF: 66.8/74

- sign 250.370+/-438.884 χ^2/NDF: 25.2/37

reg_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2114.755+/-0.560 χ^2/NDF: 189920.6/15

Left Out: 2139.798+/-0.371 χ^2/NDF:73251.8/20

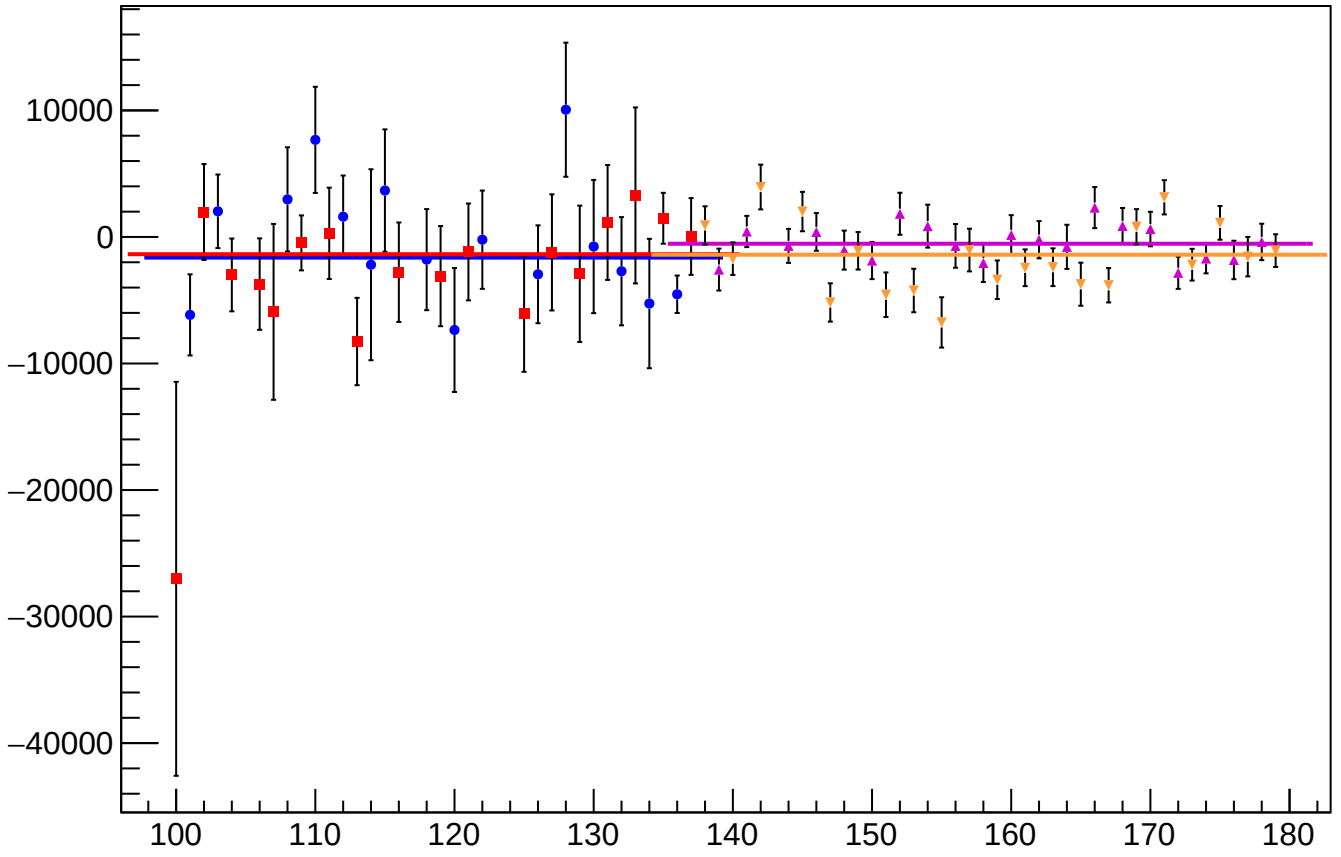
Right Out: 2061.560+/-0.550 χ^2/NDF: 249186.6/17

Left In: 2147.782+/-0.376 χ^2/NDF:66894.1/19

+ sign 2132.162+/-0.309 χ^2/NDF: 264561.7/36

All: 2126.243+/-0.219 χ^2/NDF: 598144.1/74

- sign 2120.284+/-0.310 χ^2/NDF: 332847.3/37



Right In: -1630.474+/-862.417 χ^2/NDF: 22.9/15

Left Out: -1403.042+/-325.343 χ^2/NDF:61.3/20

Right Out: -1361.841+/-840.417 χ^2/NDF: 13.5/17

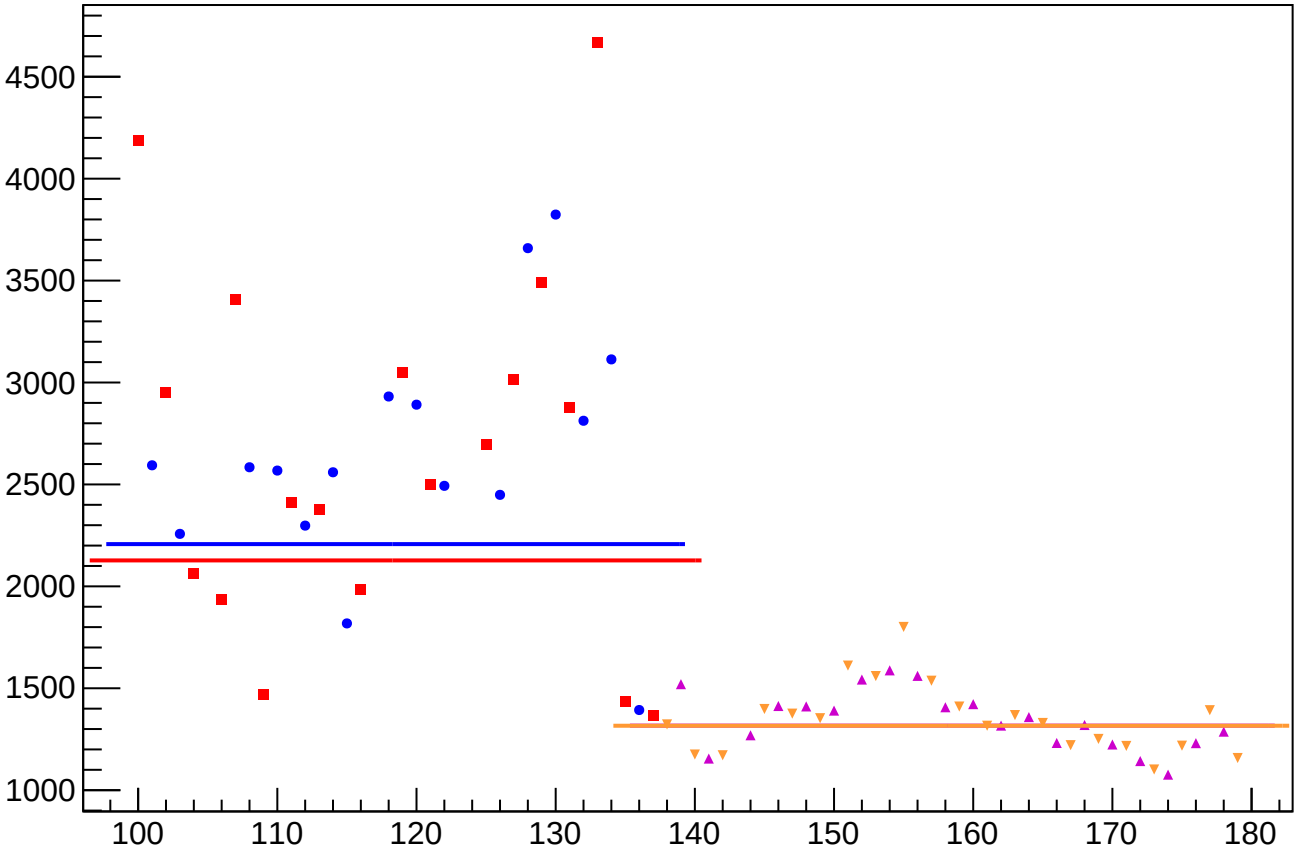
Left In: -535.513+/-328.260 χ^2/NDF:17.3/19

+ sign -1431.377+/-304.403 χ^2/NDF: 84.2/36

All: -1039.889+/-215.725 χ^2/NDF: 119.1/74

- sign -644.892+/-305.764 χ^2/NDF: 31.6/37

asym_us_dd_at2lr_dd_avg_reg_correction_rms vs Slug



Right In: 2207.254+/-0.610 χ^2/NDF: 1249266.5/15

Left Out: 1316.224+/-0.230 χ^2/NDF:436302.4/20

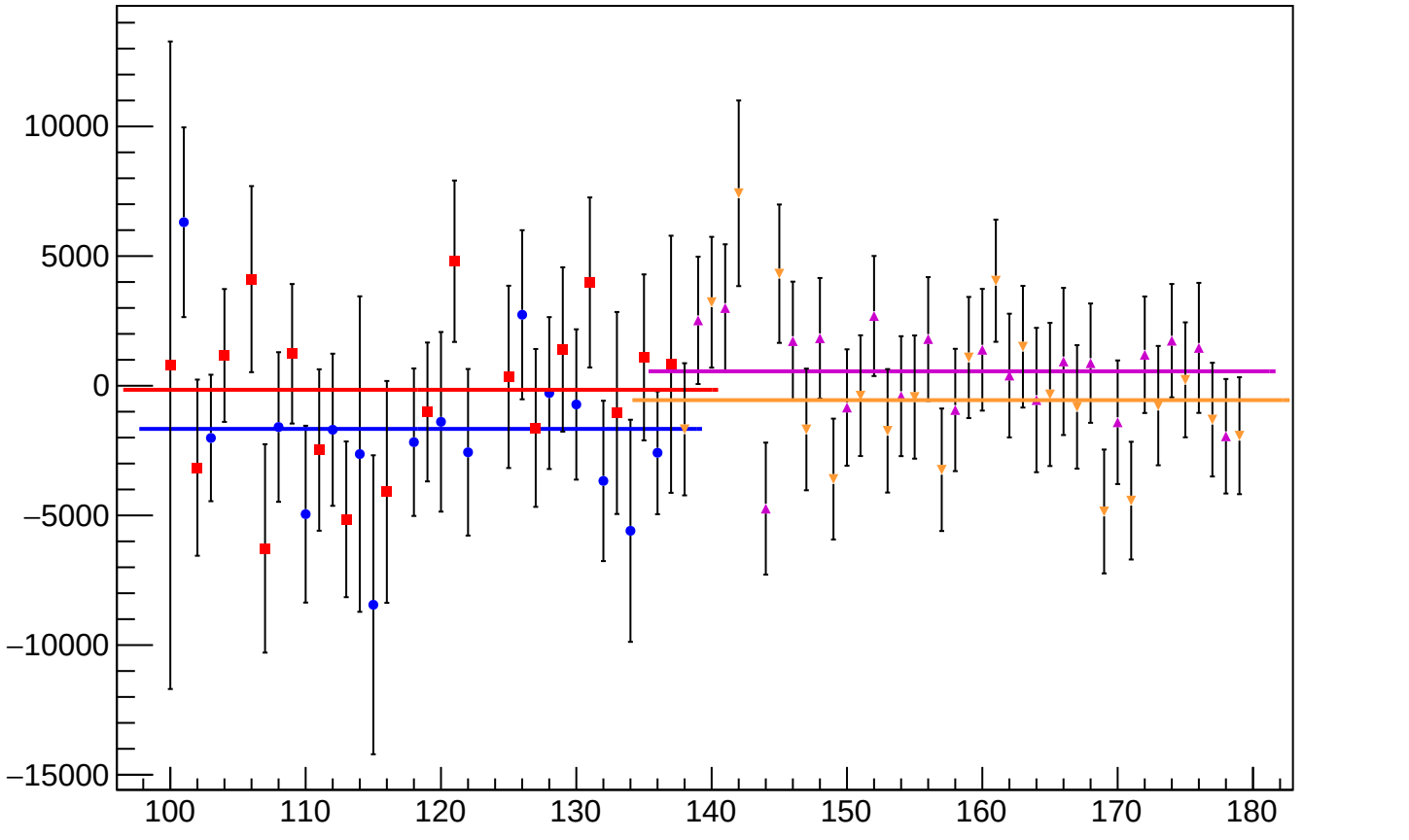
Right Out: 2127.224+/-0.594 χ^2/NDF: 1458046.9/17

Left In: 1316.726+/-0.232 χ^2/NDF:377073.1/19

+ sign 1427.233+/-0.215 χ^2/NDF: 3554503.1/36

All: 1425.628+/-0.153 χ^2/NDF: 7003647.5/74

- sign 1424.010+/-0.216 χ^2/NDF: 3449032.9/37



Right In: -1664.231+/-792.164 χ^2/NDF: 10.8/15

Left Out: -554.466+/-524.635 χ^2/NDF:26.1/20

Right Out: -155.775+/-785.481 χ^2/NDF: 14.2/17

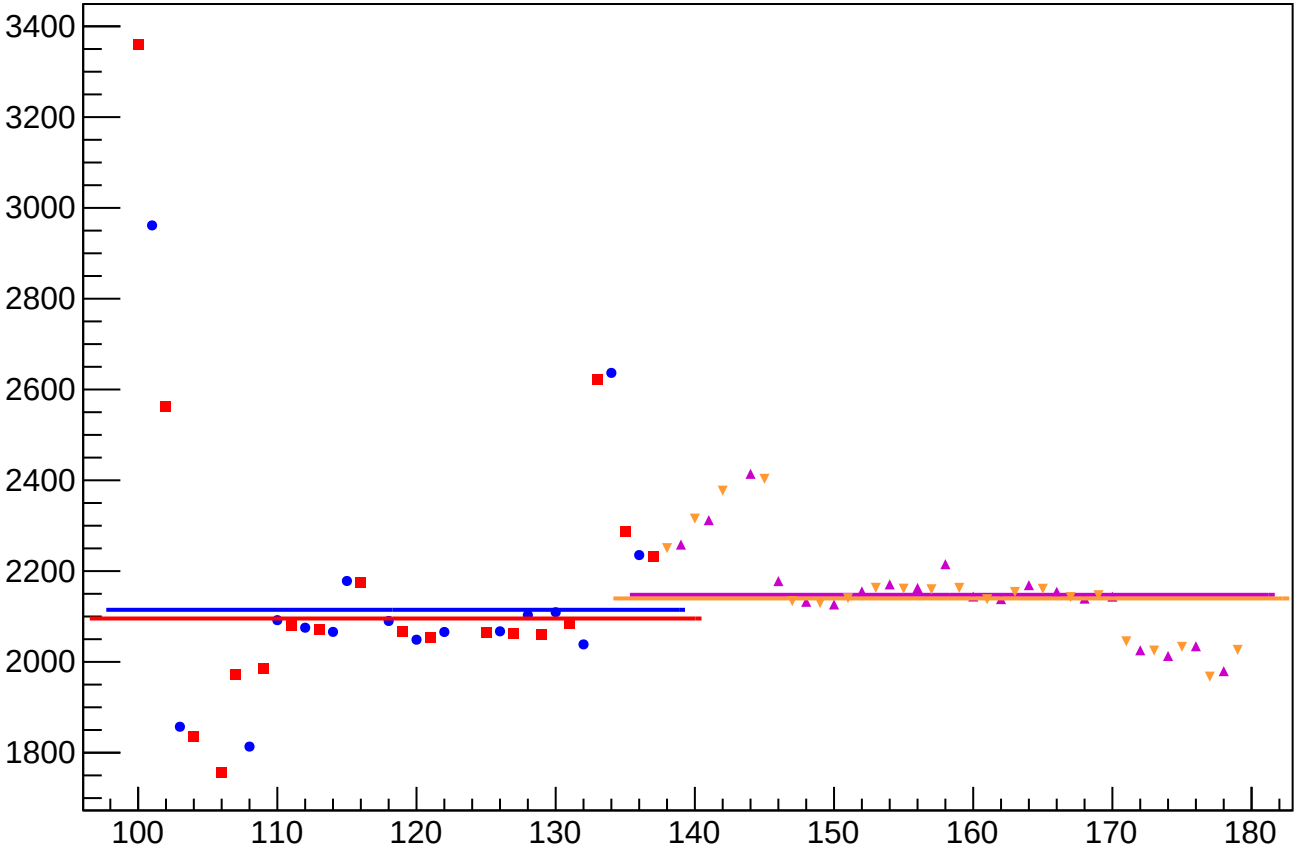
Left In: 558.010+/-531.803 χ^2/NDF:11.4/19

+ sign -892.819+/-437.406 χ^2/NDF: 38.3/36

All: -283.716+/-310.334 χ^2/NDF: 68.3/74

- sign 333.661+/-440.367 χ^2/NDF: 26.2/37

cor_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2114.755+/-0.560 χ^2/NDF: 189920.9/15

Left Out: 2139.798+/-0.371 χ^2/NDF:73251.8/20

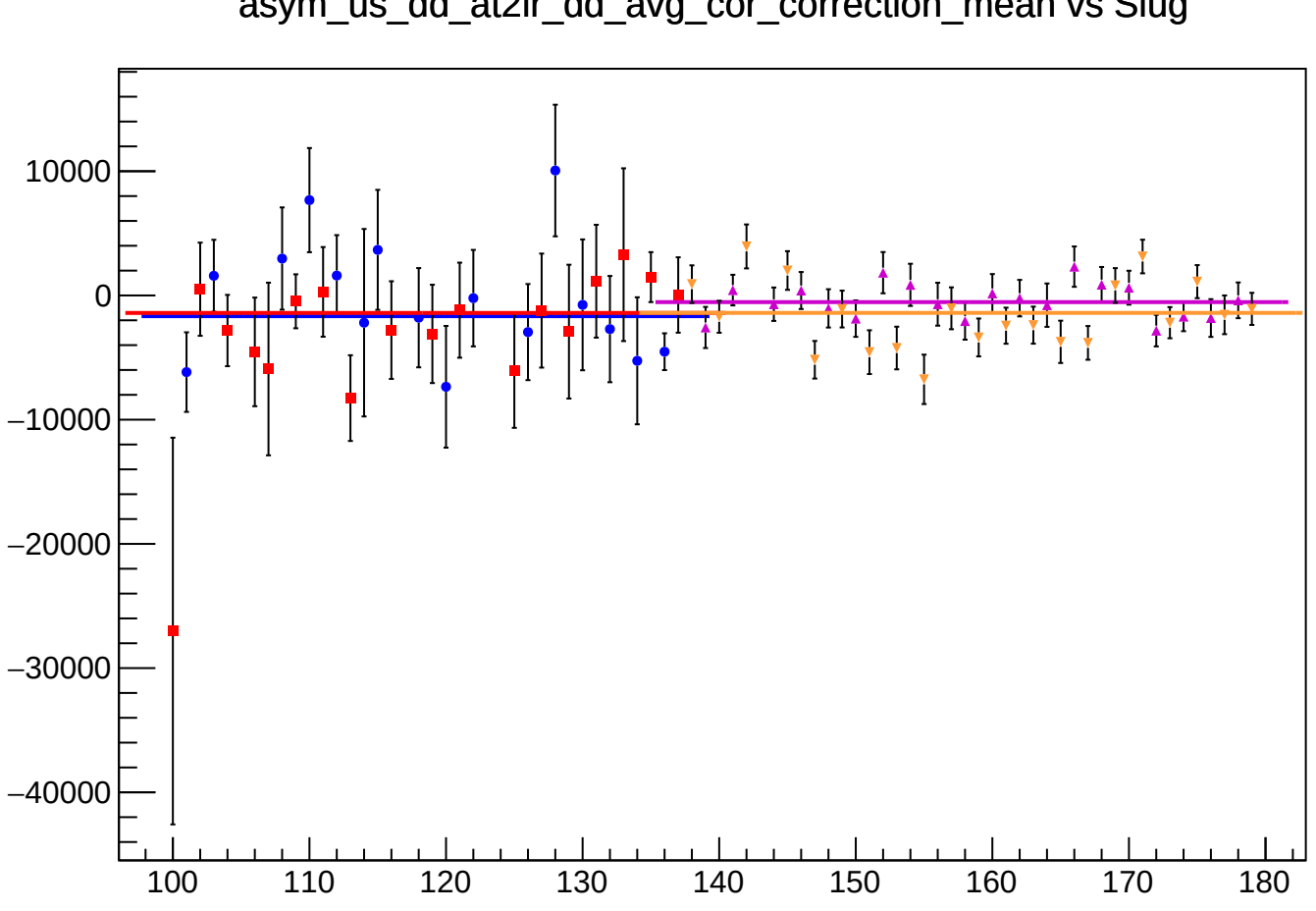
Right Out: 2095.597+/-0.555 χ^2/NDF: 149360.5/17

Left In: 2147.782+/-0.376 χ^2/NDF:66894.1/19

+ sign 2132.162+/-0.309 χ^2/NDF: 264562.0/36

All: 2131.774+/-0.219 χ^2/NDF: 486872.9/74

- sign 2131.379+/-0.311 χ^2/NDF: 222307.7/37



Right In: -1668.482+/-862.126 χ^2/NDF: 22.5/15

Left Out: -1403.106+/-325.345 χ^2/NDF:61.3/20

Right Out: -1407.975+/-847.068 χ^2/NDF: 13.0/17

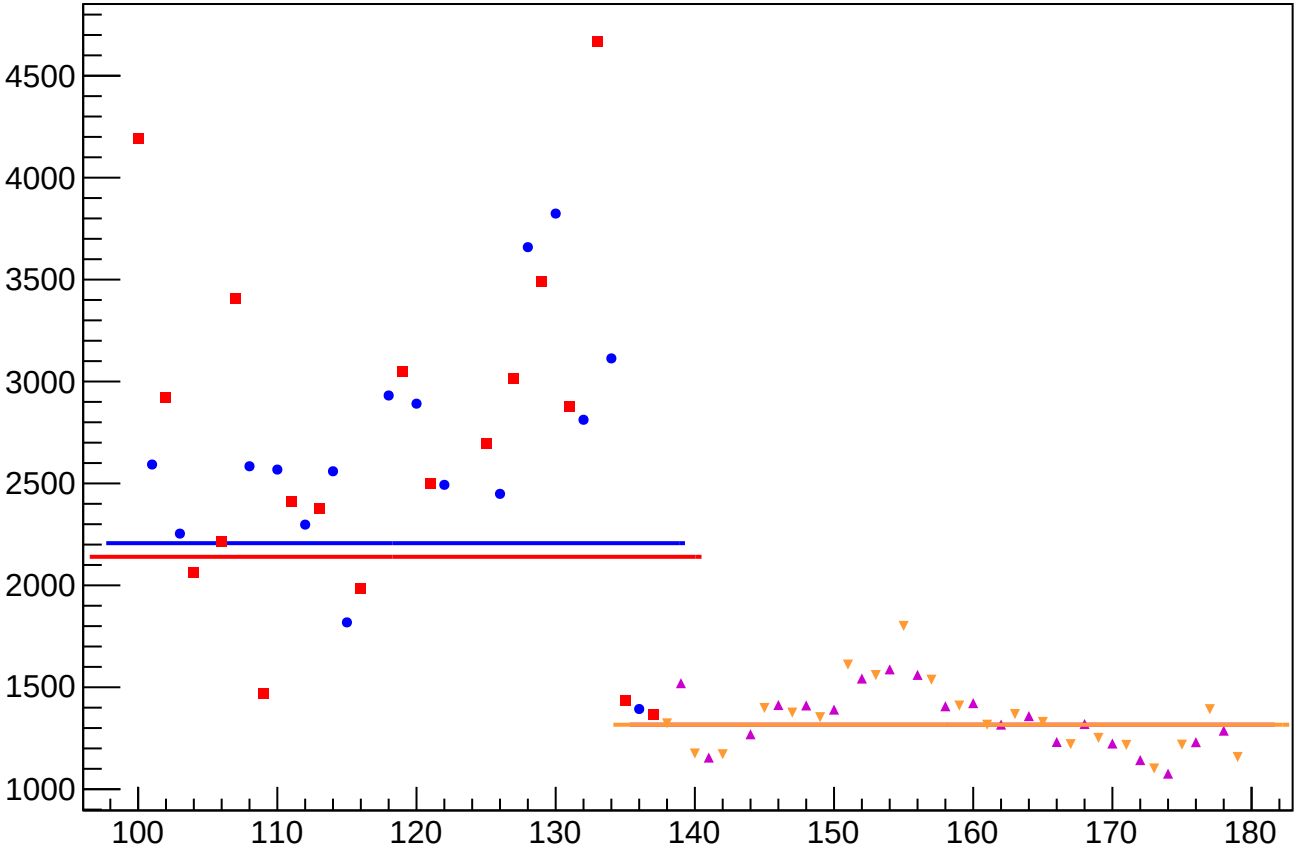
Left In: -535.432+/-328.261 χ^2/NDF:17.3/19

+ sign -1436.187+/-304.391 χ^2/NDF: 83.9/36

All: -1044.950+/-215.832 χ^2/NDF: 118.4/74

- sign -649.358+/-306.081 χ^2/NDF: 31.2/37

asym_us_dd_at2lr_dd_avg_cor_correction_rms vs Slug



Right In: 2206.918+/-0.610 χ^2/NDF: 1249024.4/15

Left Out: 1316.231+/-0.230 χ^2/NDF:436260.3/20

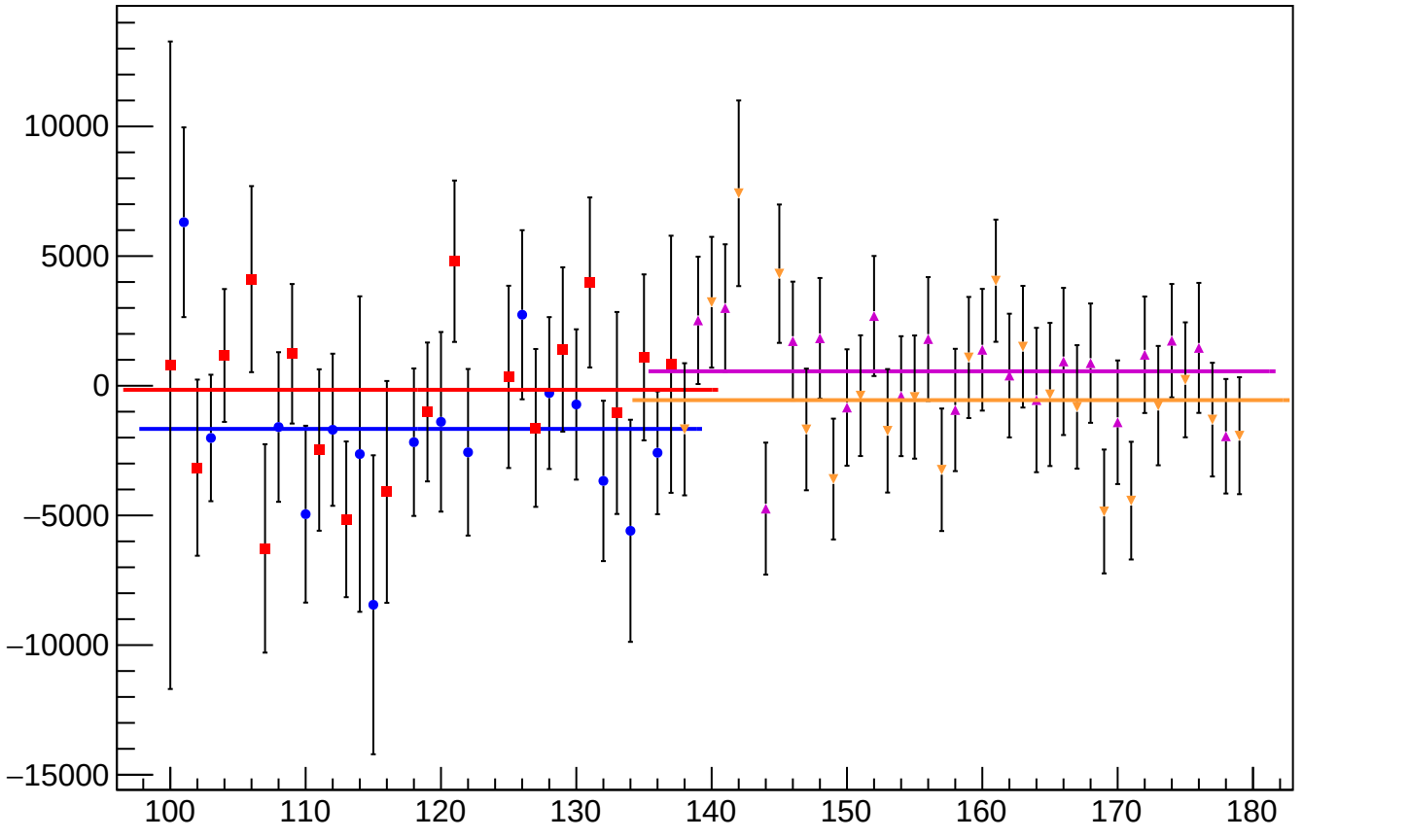
Right Out: 2140.060+/-0.599 χ^2/NDF: 1448366.8/17

Left In: 1316.726+/-0.232 χ^2/NDF:377098.6/19

+ sign 1427.263+/-0.215 χ^2/NDF: 3553882.6/36

All: 1425.754+/-0.153 χ^2/NDF: 7022230.1/74

- sign 1424.227+/-0.216 χ^2/NDF: 3468248.6/37



Right In: -1664.231+/-792.164 χ^2/NDF: 10.8/15

Left Out: -554.466+/-524.635 χ^2/NDF:26.1/20

Right Out: -155.775+/-785.481 χ^2/NDF: 14.2/17

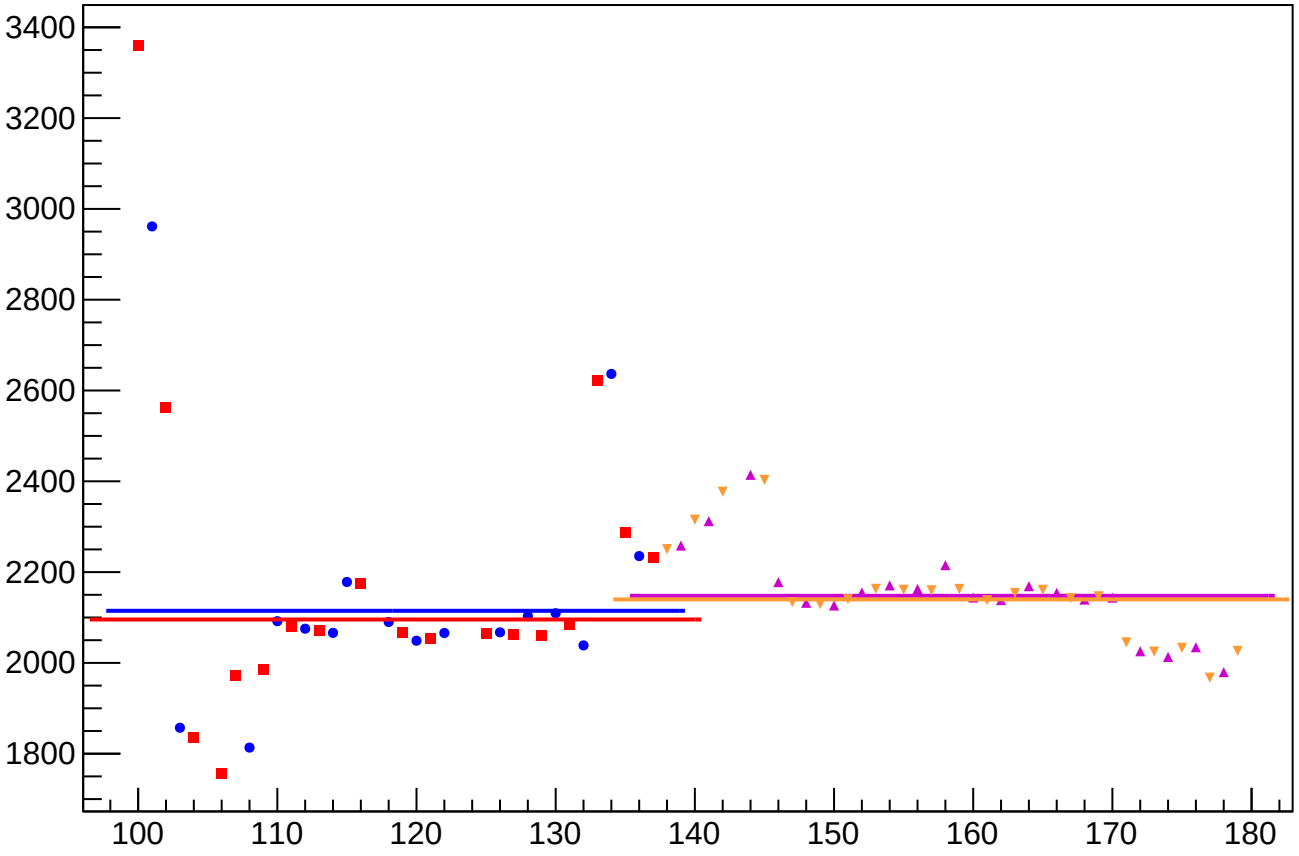
Left In: 558.010+/-531.803 χ^2/NDF:11.4/19

\+ sign -892.819+/-437.406 χ^2/NDF: 38.3/36

All: -283.716+/-310.334 χ^2/NDF: 68.3/74

\- sign 333.661+/-440.367 χ^2/NDF: 26.2/37

eigen_cor_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2114.755+/-0.560 χ^2/NDF: 189920.9/15

Left Out: 2139.798+/-0.371 χ^2/NDF:73251.8/20

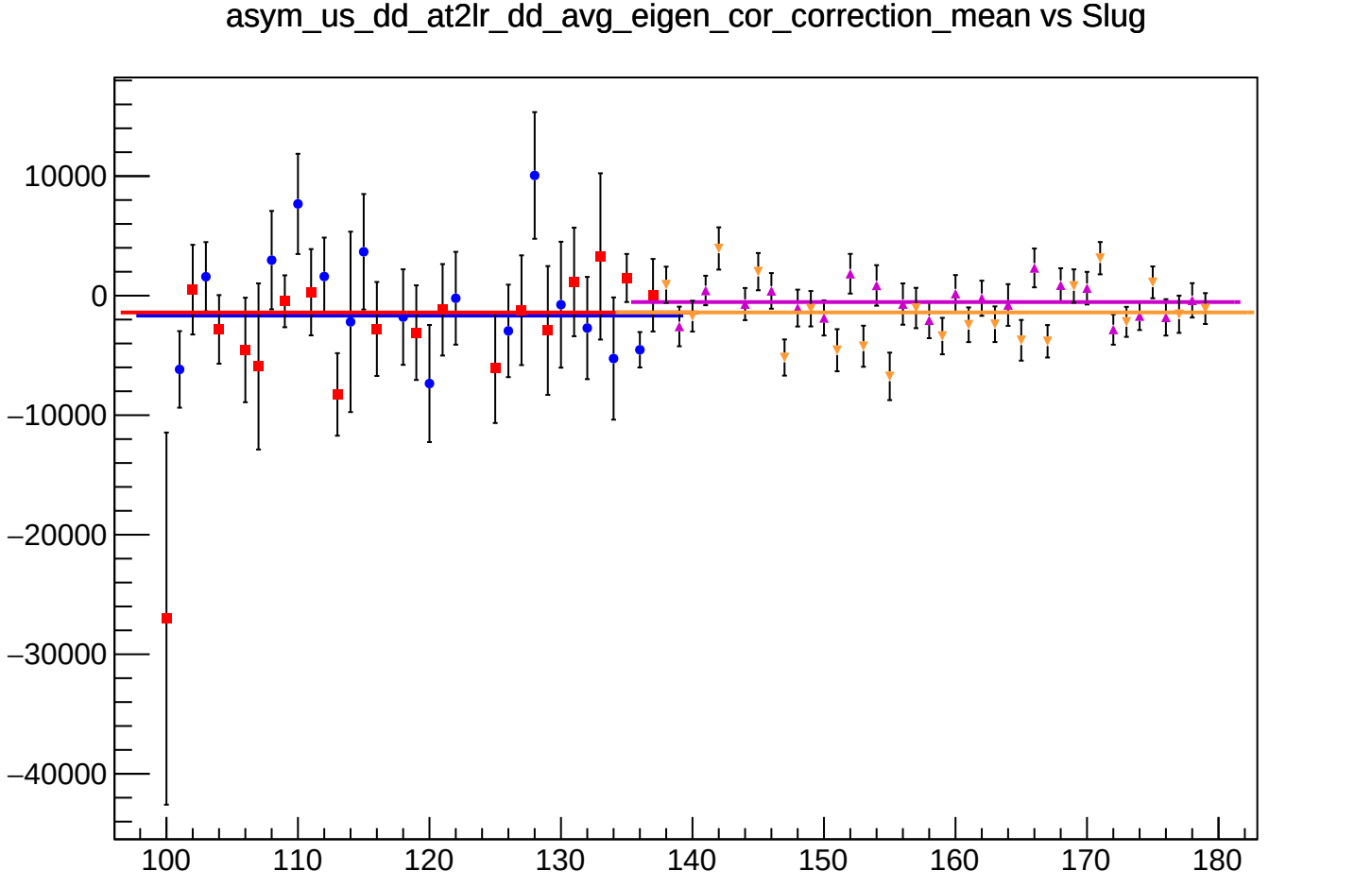
Right Out: 2095.597+/-0.555 χ^2/NDF: 149360.5/17

Left In: 2147.782+/-0.376 χ^2/NDF:66894.1/19

+ sign 2132.162+/-0.309 χ^2/NDF: 264562.0/36

All: 2131.774+/-0.219 χ^2/NDF: 486872.9/74

- sign 2131.379+/-0.311 χ^2/NDF: 222307.7/37



Right In: -1668.482+/-862.126 χ^2/NDF: 22.5/15

Left Out: -1403.106+/-325.345 χ^2/NDF:61.3/20

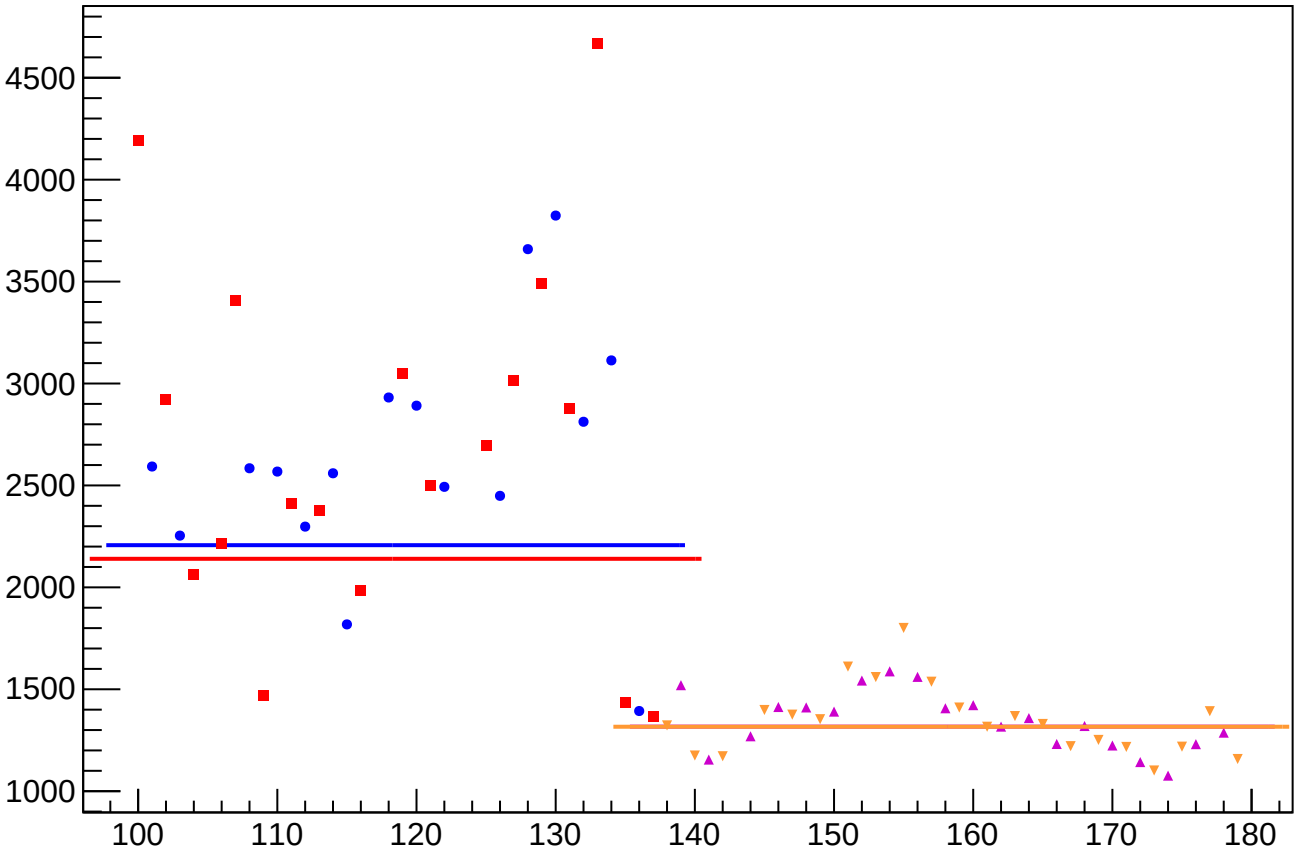
Right Out: -1407.975+/-847.068 χ^2/NDF: 13.0/17

Left In: -535.432+/-328.261 χ^2/NDF:17.3/19

+ sign -1436.187+/-304.391 χ^2/NDF: 83.9/36

All: -1044.950+/-215.832 χ^2/NDF: 118.4/74

- sign -649.358+/-306.081 χ^2/NDF: 31.2/37



Right In: 2206.918+/-0.610 χ^2/NDF: 1249024.4/15

Left Out: 1316.231+/-0.230 χ^2/NDF:436260.3/20

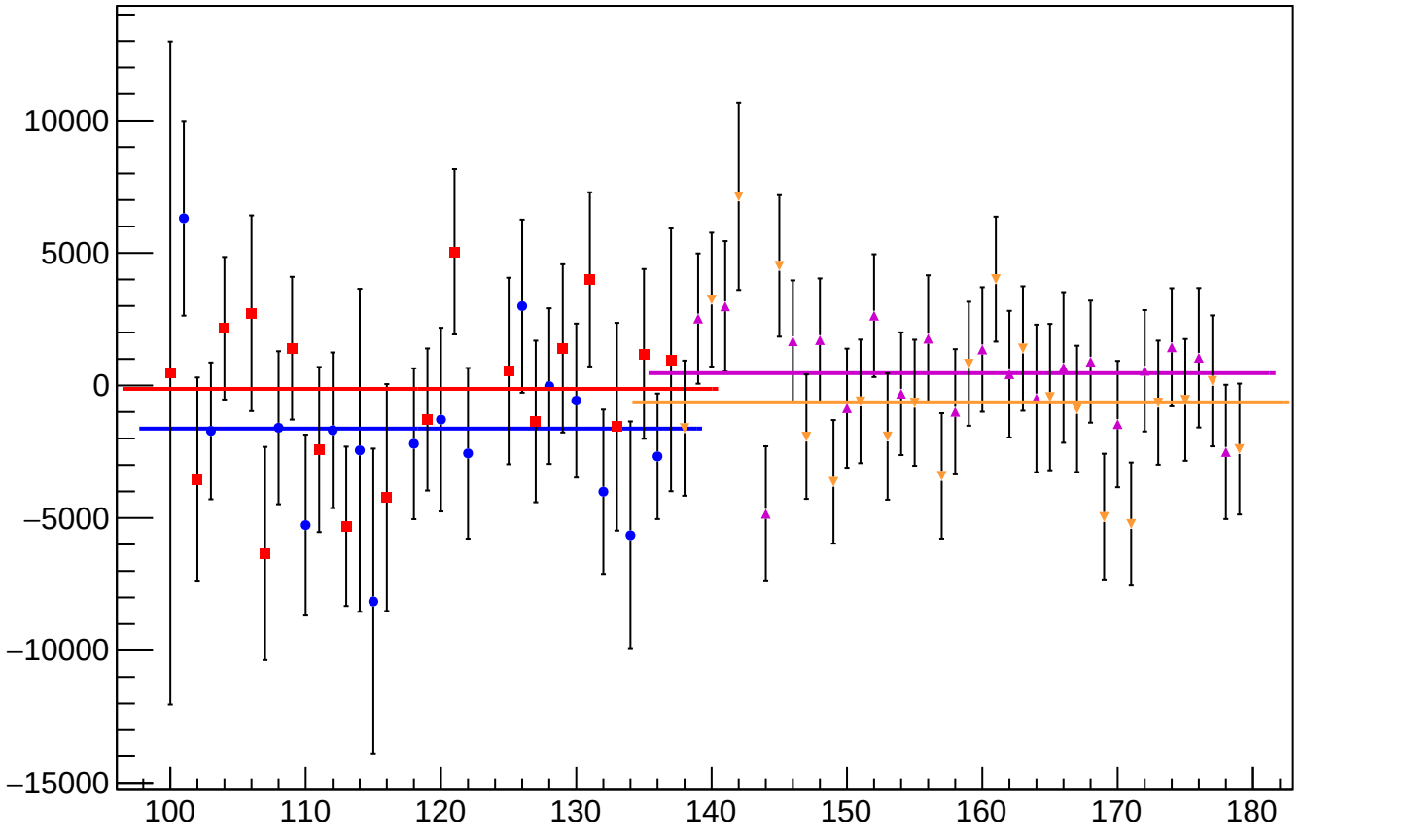
Right Out: 2140.060+/-0.599 χ^2/NDF: 1448366.8/17

Left In: 1316.726+/-0.232 χ^2/NDF:377098.6/19

+ sign 1427.263+/-0.215 χ^2/NDF: 3553882.6/36

All: 1425.754+/-0.153 χ^2/NDF: 7022230.1/74

- sign 1424.227+/-0.216 χ^2/NDF: 3468248.6/37



Right In: -1627.635+/-797.966 χ^2/NDF: 11.3/15

Left Out: -636.726+/-532.711 χ^2/NDF:27.5/20

Right Out: -128.099+/-795.899 χ^2/NDF: 14.6/17

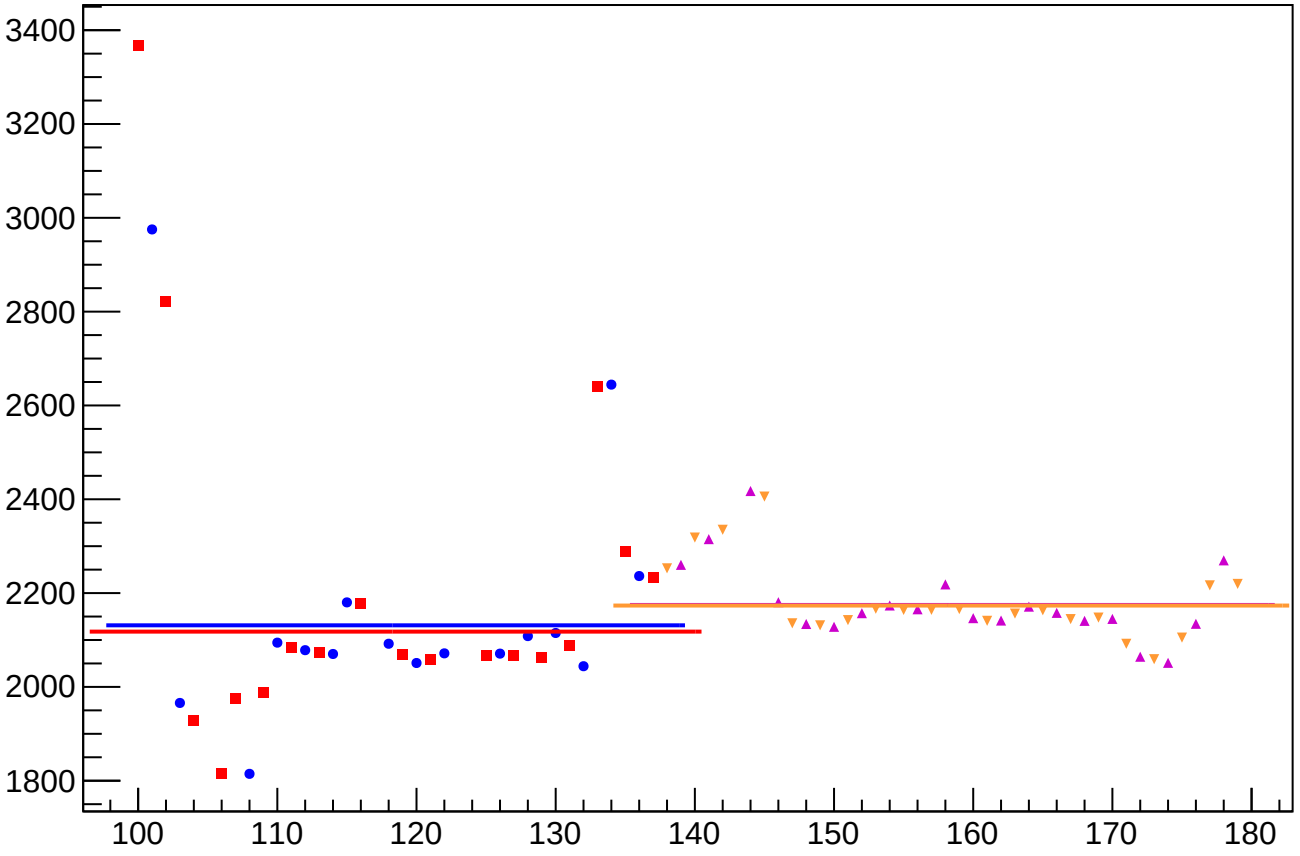
Left In: 464.883+/-538.316 χ^2/NDF:11.2/19

+ sign -942.203+/-443.054 χ^2/NDF: 39.9/36

All: -335.631+/-314.288 χ^2/NDF: 69.9/74

- sign 278.759+/-445.901 χ^2/NDF: 26.2/37

dit_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2131.298+/-0.564 χ^2/NDF: 175943.3/15

Left Out: 2173.432+/-0.377 χ^2/NDF:40832.8/20

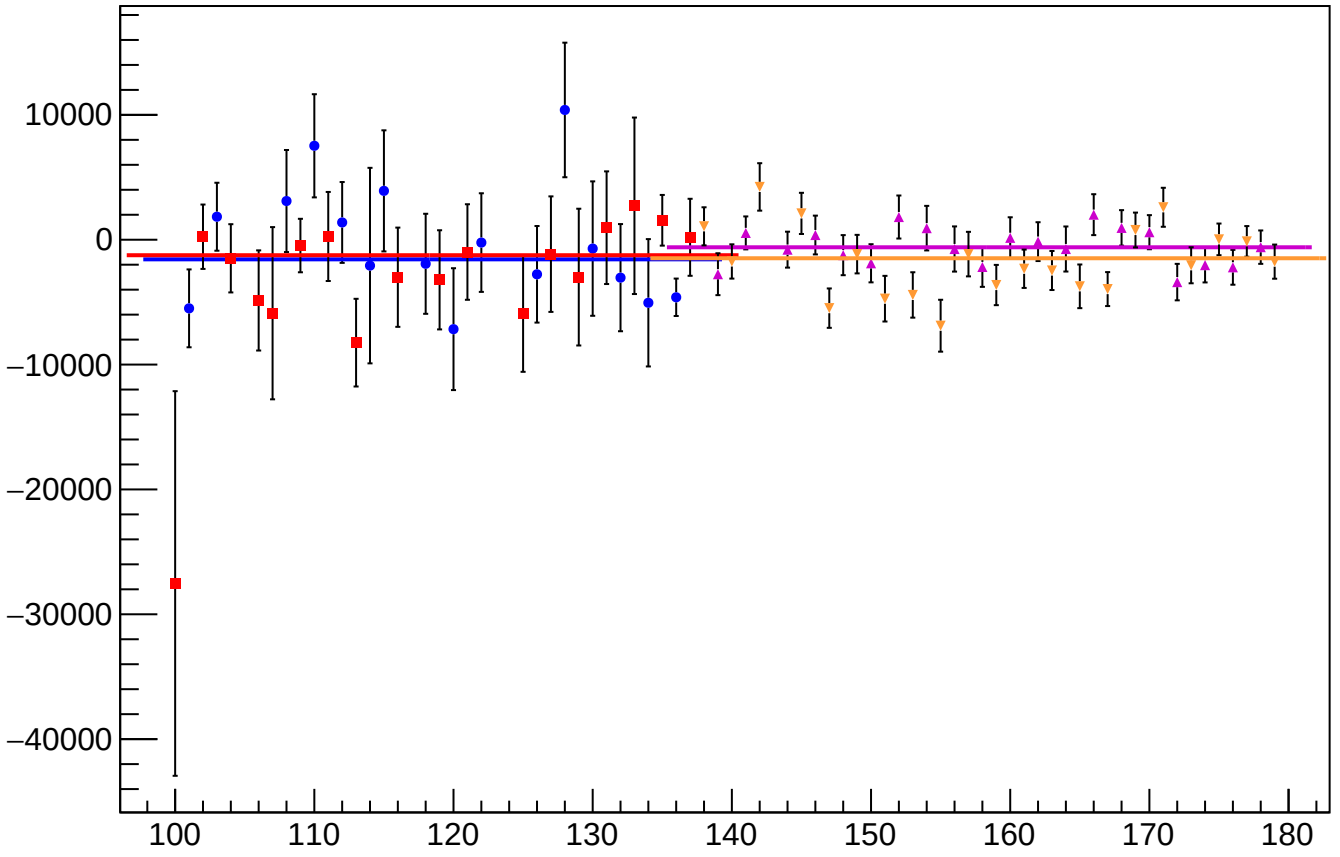
Right Out: 2117.868+/-0.563 χ^2/NDF: 163622.7/17

Left In: 2174.706+/-0.381 χ^2/NDF:44963.3/19

+ sign 2160.443+/-0.313 χ^2/NDF: 220633.1/36

All: 2158.666+/-0.222 χ^2/NDF: 436282.4/74

- sign 2156.866+/-0.315 χ^2/NDF: 215584.6/37



Right In: -1571.073+/-859.754 χ^2/NDF: 22.6/15

Left Out: -1483.853+/-335.435 χ^2/NDF:55.4/20

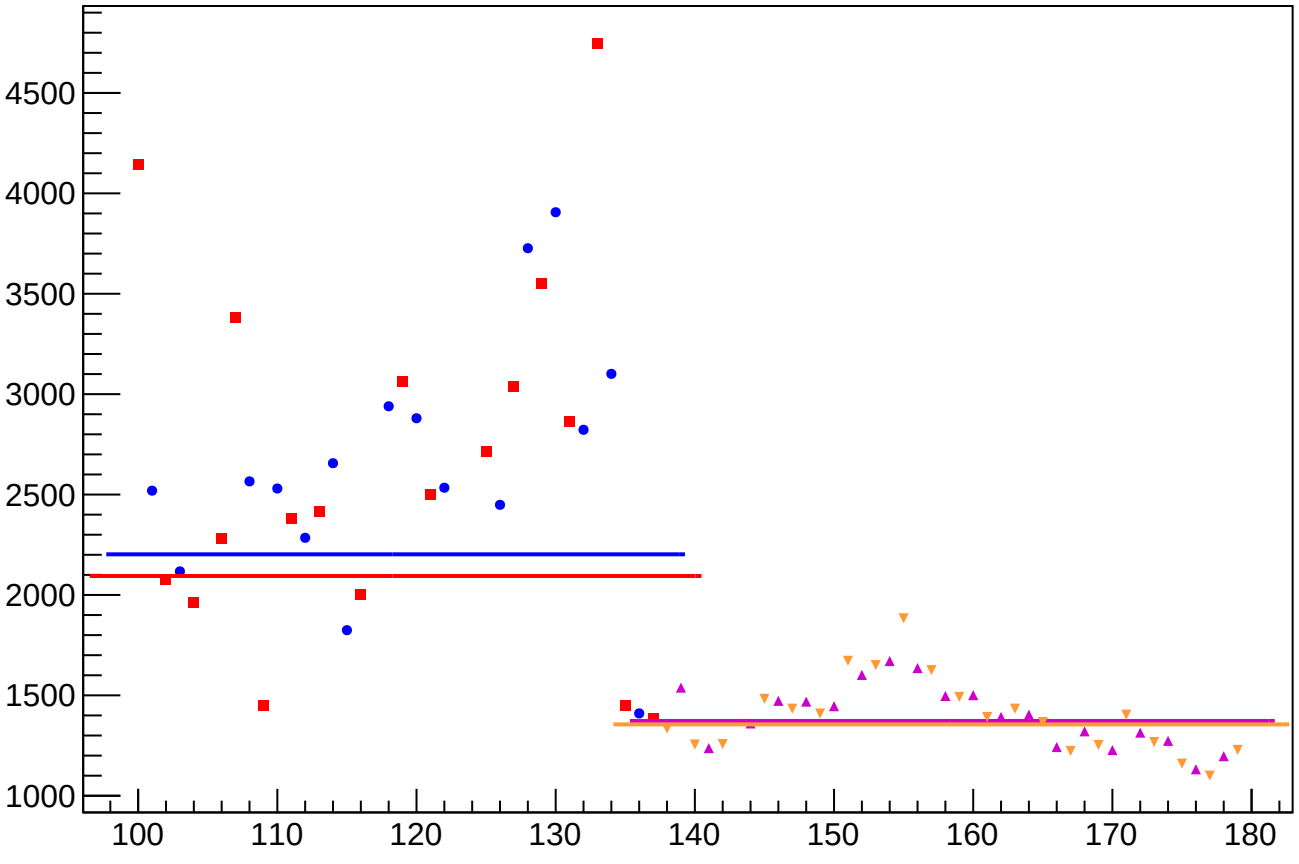
Right Out: -1241.008+/-819.775 χ^2/NDF: 13.1/17

Left In: -605.196+/-342.025 χ^2/NDF:18.2/19

+ sign -1495.376+/-312.493 χ^2/NDF: 78.0/36

All: -1101.424+/-222.075 χ^2/NDF: 113.0/74

- sign -699.463+/-315.654 χ^2/NDF: 31.8/37



Right In: 2202.378+/-0.608 χ^2/NDF: 1222965.0/15

Left Out: 1355.473+/-0.237 χ^2/NDF:534369.5/20

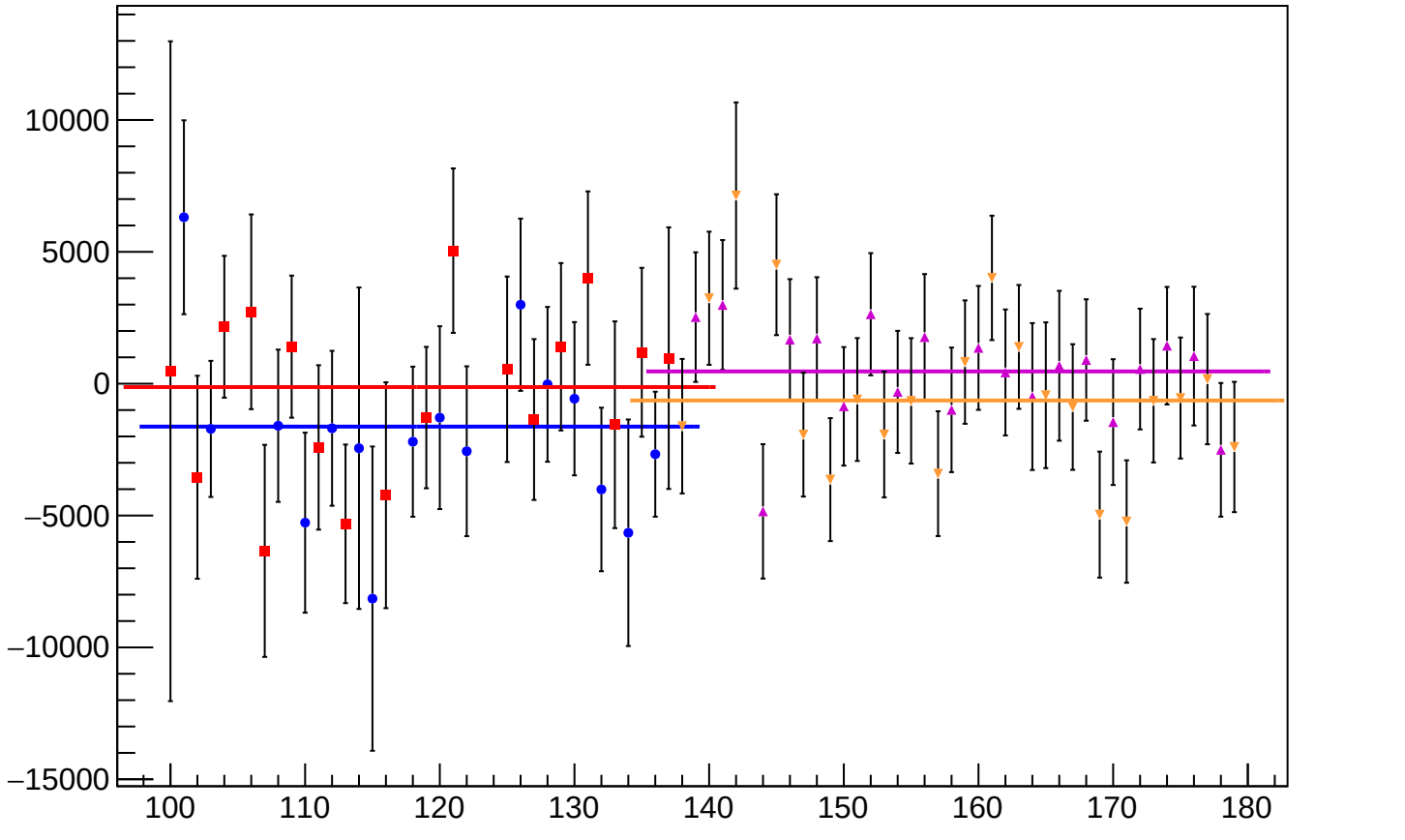
Right Out: 2094.445+/-0.580 χ^2/NDF: 1373676.8/17

Left In: 1372.511+/-0.242 χ^2/NDF:365041.1/19

+ sign 1467.357+/-0.221 χ^2/NDF: 3441622.3/36

All: 1473.391+/-0.157 χ^2/NDF: 6502964.5/74

- sign 1479.547+/-0.223 χ^2/NDF: 3059836.0/37



Right In: -1627.637+/-797.966 χ^2/NDF: 11.3/15

Left Out: -636.723+/-532.711 χ^2/NDF:27.5/20

Right Out: -128.093+/-795.899 χ^2/NDF: 14.6/17

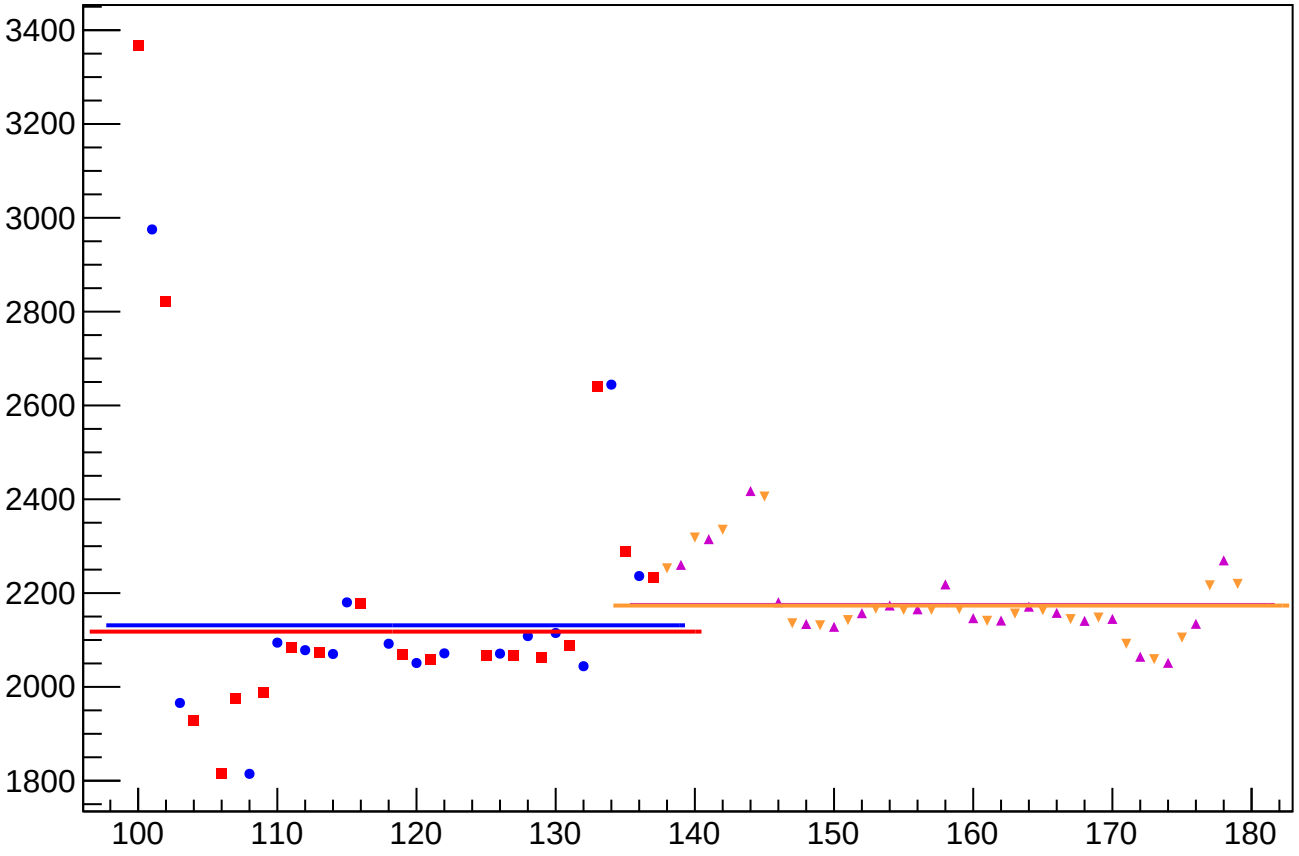
Left In: 464.884+/-538.316 χ^2/NDF:11.2/19

+ sign -942.201+/-443.054 χ^2/NDF: 39.9/36

All: -335.630+/-314.288 χ^2/NDF: 69.9/74

- sign 278.761+/-445.901 χ^2/NDF: 26.2/37

eigen_dit_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2131.298+/-0.564 χ^2/NDF: 175943.3/15

Left Out: 2173.431+/-0.377 χ^2/NDF:40832.9/20

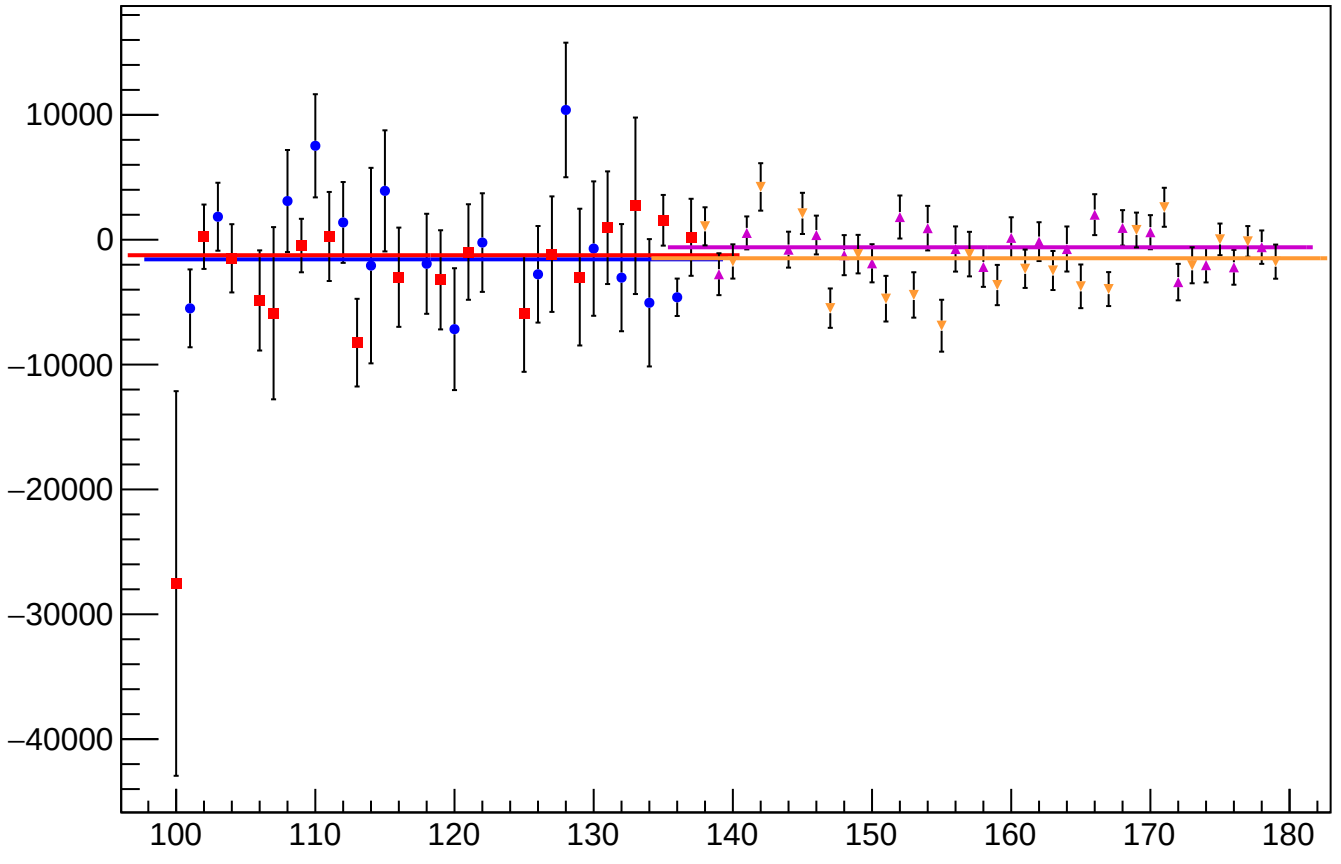
Right Out: 2117.868+/-0.563 χ^2/NDF: 163622.6/17

Left In: 2174.706+/-0.381 χ^2/NDF:44963.2/19

+ sign 2160.442+/-0.313 χ^2/NDF: 220633.1/36

All: 2158.665+/-0.222 χ^2/NDF: 436282.2/74

- sign 2156.866+/-0.315 χ^2/NDF: 215584.4/37



Right In: -1571.058+/-859.757 χ^2/NDF: 22.6/15

Left Out: -1483.856+/-335.435 χ^2/NDF:55.4/20

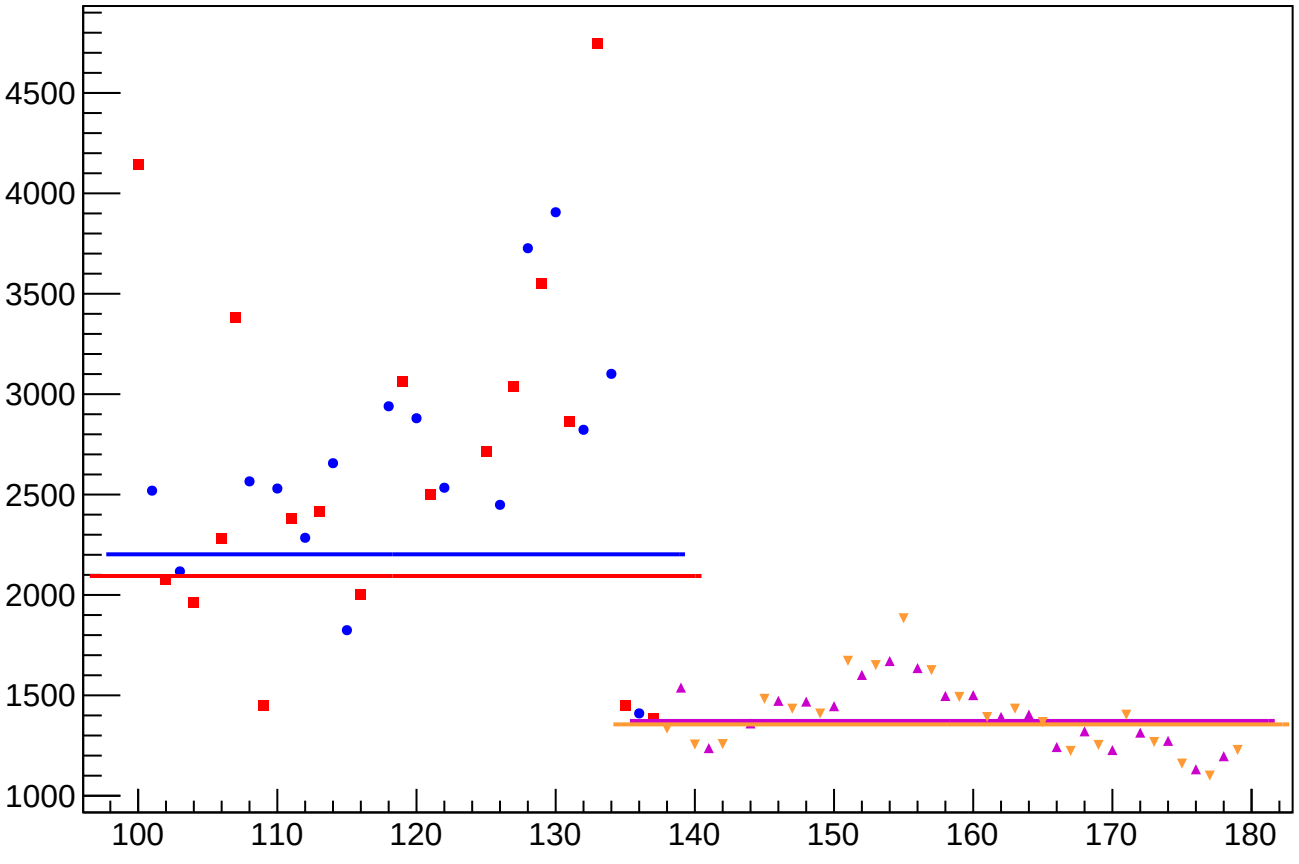
Right Out: -1241.023+/-819.778 χ^2/NDF: 13.1/17

Left In: -605.192+/-342.025 χ^2/NDF:18.2/19

+ sign -1495.376+/-312.493 χ^2/NDF: 78.0/36

All: -1101.423+/-222.075 χ^2/NDF: 113.0/74

- sign -699.462+/-315.654 χ^2/NDF: 31.8/37



Right In: 2202.391+/-0.608 χ^2/NDF: 1222905.3/15

Left Out: 1355.473+/-0.237 χ^2/NDF:534367.6/20

Right Out: 2094.457+/-0.580 χ^2/NDF: 1373629.6/17

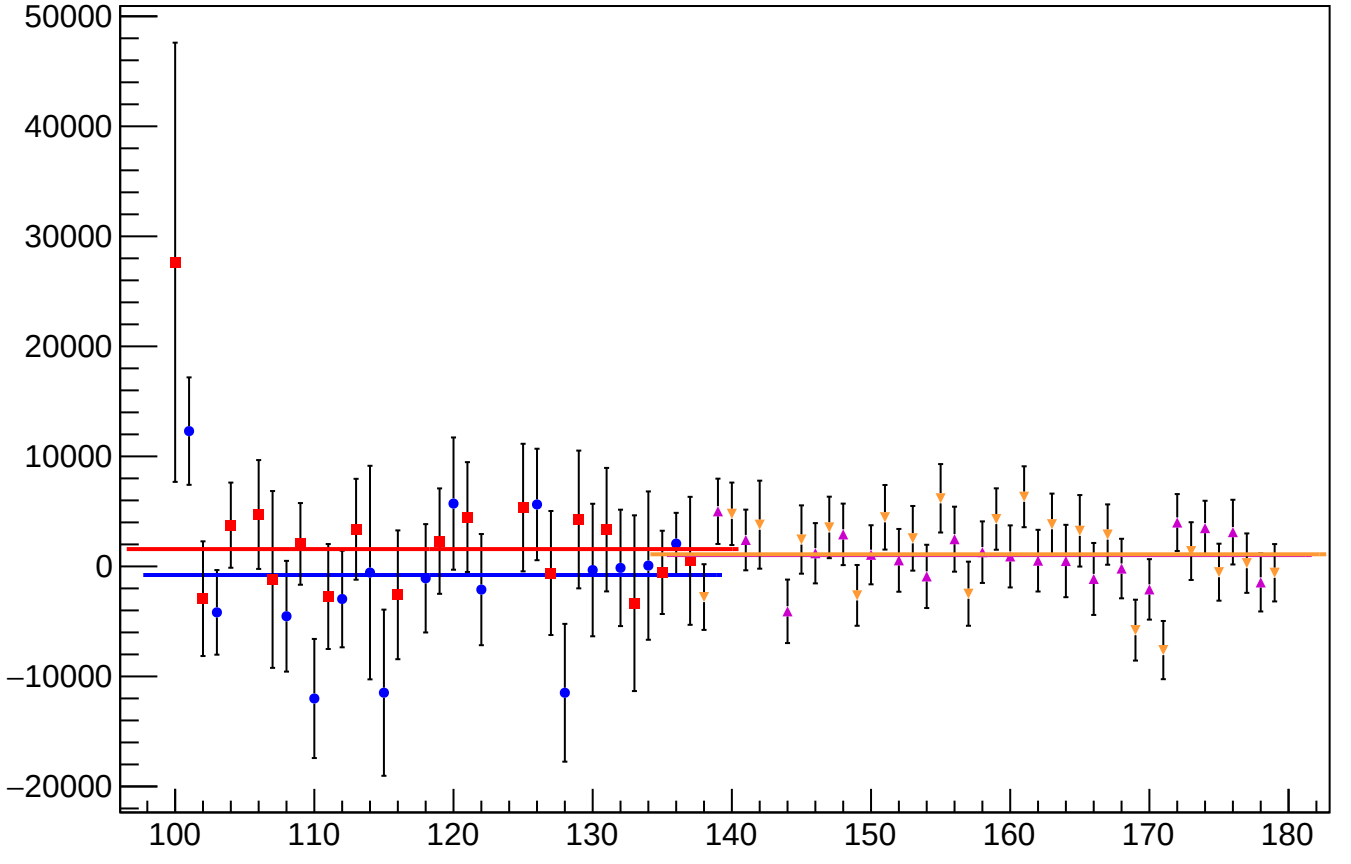
Left In: 1372.509+/-0.242 χ^2/NDF:365048.4/19

+ sign 1467.358+/-0.221 χ^2/NDF: 3441600.6/36

All: 1473.391+/-0.157 χ^2/NDF: 6502943.1/74

- sign 1479.547+/-0.223 χ^2/NDF: 3059836.5/37

asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: -781.619+/-1241.711 χ^2/NDF: 21.9/15

Left Out: 1101.220+/-622.284 χ^2/NDF:37.0/20

Right Out: 1574.673+/-1218.961 χ^2/NDF: 6.7/17

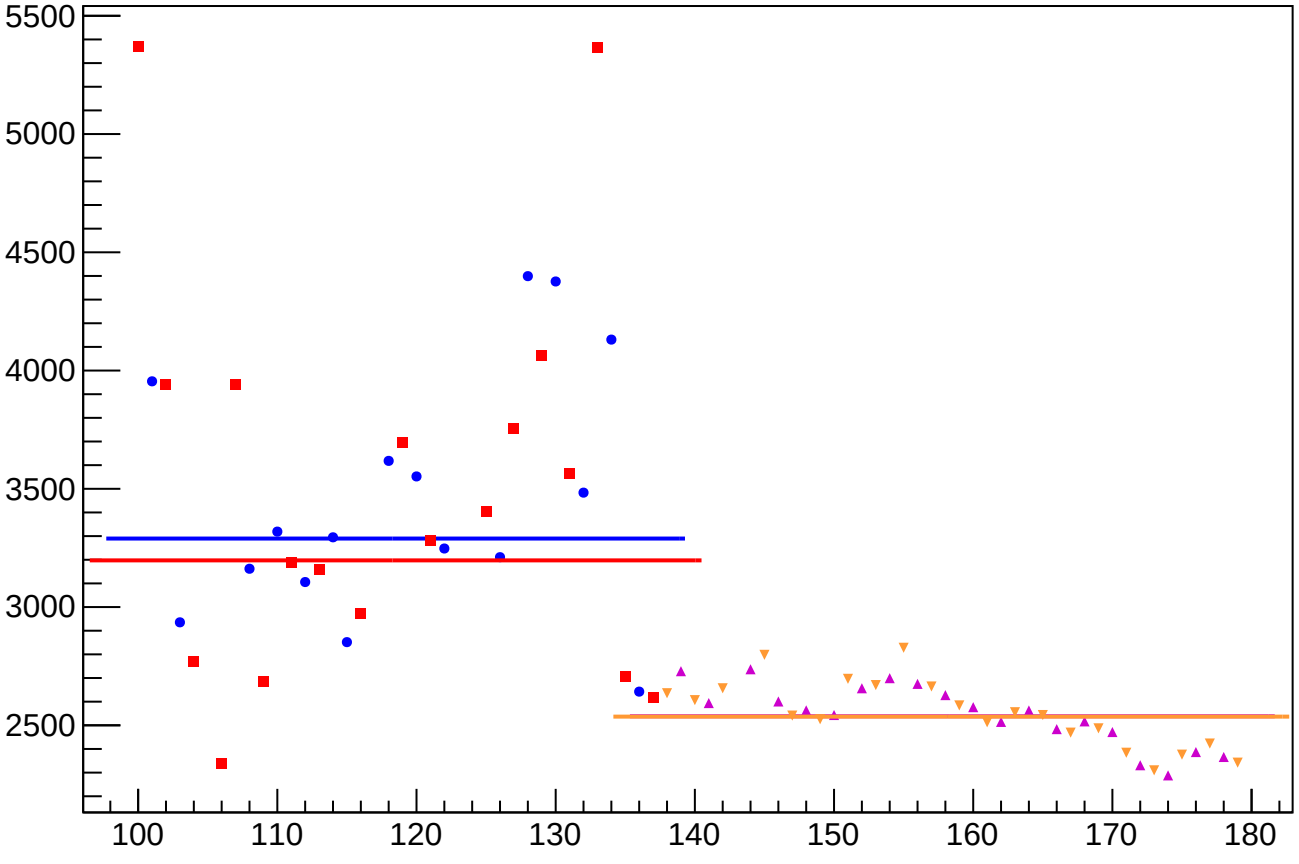
Left In: 1030.891+/-628.742 χ^2/NDF:12.0/19

+ sign 723.266+/-556.332 χ^2/NDF: 60.7/36

All: 933.285+/-394.251 χ^2/NDF: 80.0/74

- sign 1145.163+/-558.787 χ^2/NDF: 18.9/37

asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 3289.690+/-0.878 χ^2/NDF: 347594.0/15

Left Out: 2536.748+/-0.440 χ^2/NDF:97517.4/20

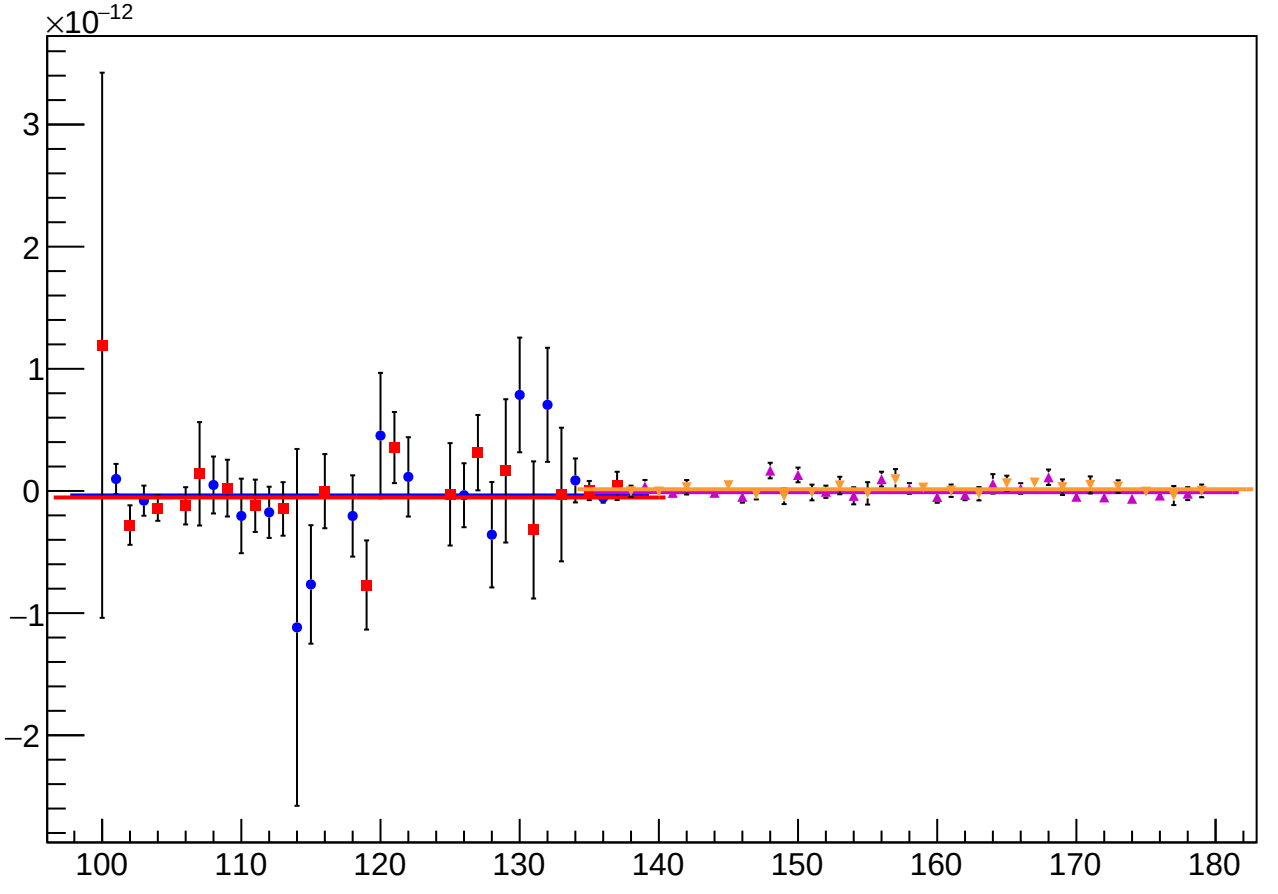
Right Out: 3197.375+/-0.862 χ^2/NDF: 499934.1/17

Left In: 2538.217+/-0.445 χ^2/NDF:85180.4/19

+ sign 2687.891+/-0.393 χ^2/NDF: 1032874.8/36

All: 2682.339+/-0.279 χ^2/NDF: 2080332.7/74

- sign 2676.737+/-0.395 χ^2/NDF: 1047057.7/37



Right In: -0.000+/-0.000 χ^2/NDF: 13.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.2/20

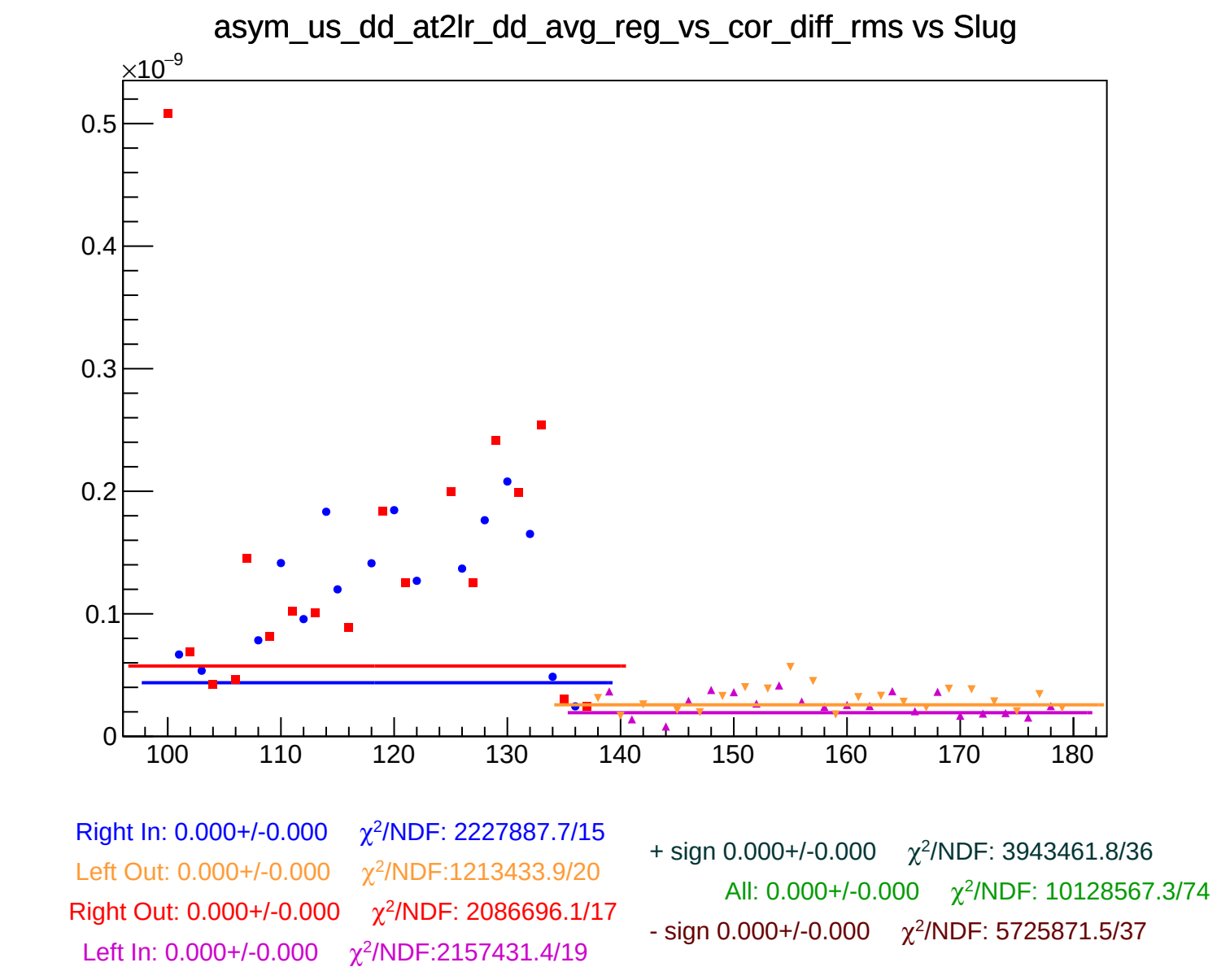
Right Out: -0.000+/-0.000 χ^2/NDF: 12.6/17

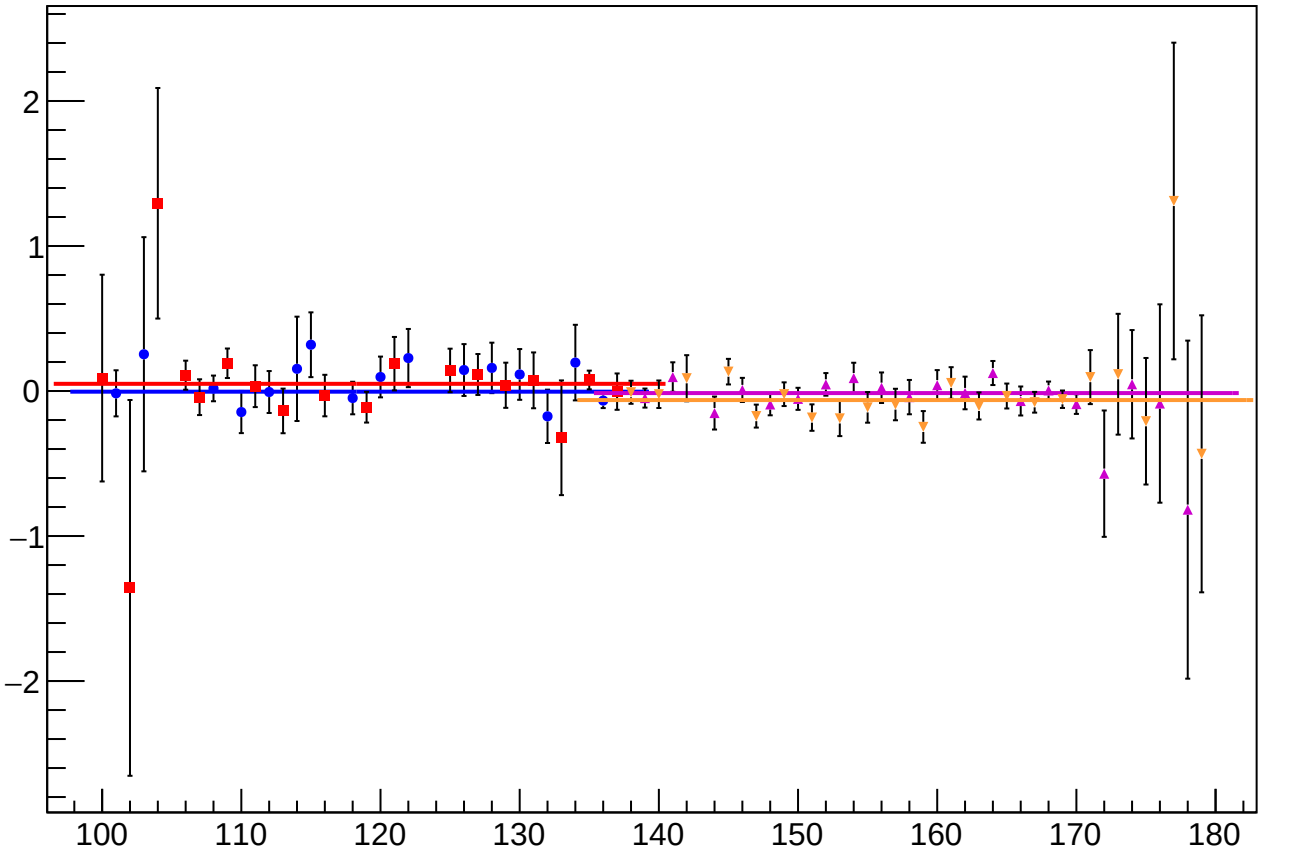
Left In: -0.000+/-0.000 χ^2/NDF:29.5/19

+ sign 0.000+/-0.000 χ^2/NDF: 24.4/36

All: -0.000+/-0.000 χ^2/NDF: 69.9/74

- sign -0.000+/-0.000 χ^2/NDF: 43.1/37


asym_us_dd_at2lr_dd_avg_reg_vs_cor_diff_rms vs Slug
×10^−9
0.5
0.4
0.3
0.2
0.1
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2227887.7/15
Left Out: 0.000+/-0.000 χ²/NDF:1213433.9/20
Right Out: 0.000+/-0.000 χ²/NDF: 2086696.1/17
Left In: 0.000+/-0.000 χ²/NDF:2157431.4/19
+ sign 0.000+/-0.000 χ²/NDF: 3943461.8/36
All: 0.000+/-0.000 χ²/NDF: 10128567.3/74
- sign 0.000+/-0.000 χ²/NDF: 5725871.5/37



Right In: -0.005+/-0.032 χ^2/NDF: 10.3/15

Left Out: -0.062+/-0.022 χ^2/NDF:18.9/20

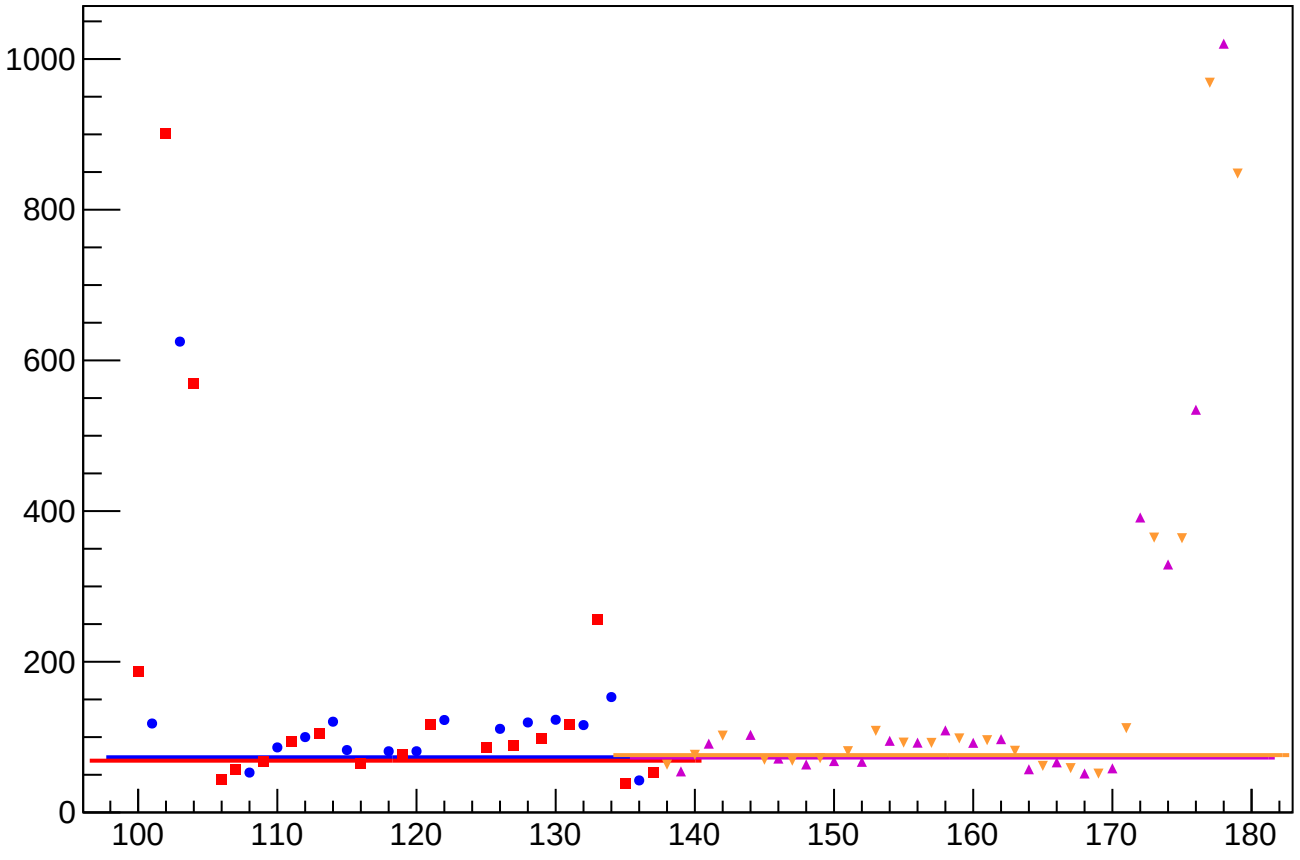
Right Out: 0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: -0.014+/-0.021 χ^2/NDF:12.9/19

+ sign -0.044+/-0.018 χ^2/NDF: 31.4/36

All: -0.018+/-0.013 χ^2/NDF: 64.0/74

- sign 0.005+/-0.018 χ^2/NDF: 28.8/37



Right In: 73.234+/-0.023 χ^2/NDF: 2854601.2/15

Left Out: 76.094+/-0.016 χ^2/NDF:5583262.0/20

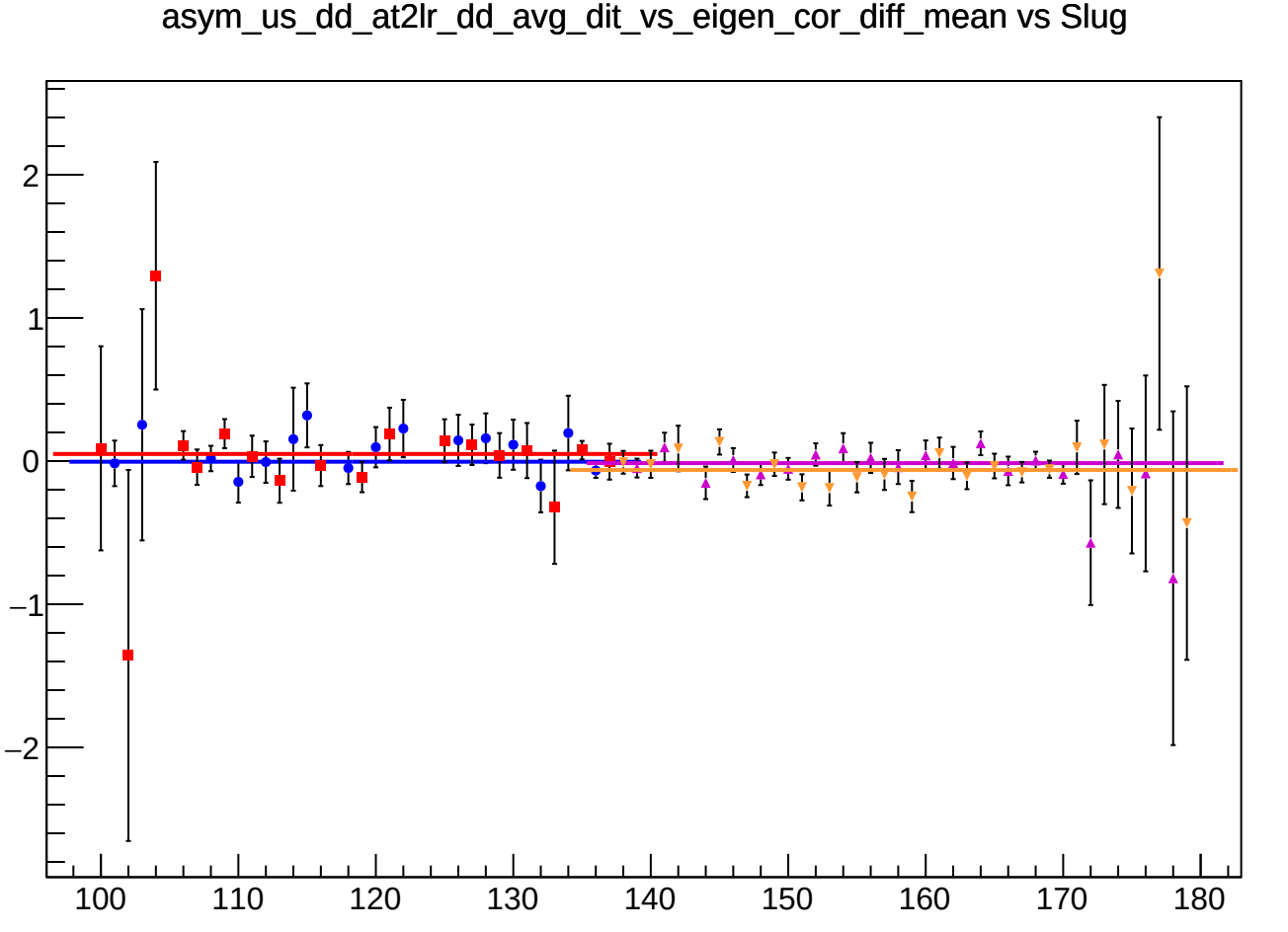
Right Out: 68.724+/-0.022 χ^2/NDF: 3331744.2/17

Left In: 72.860+/-0.015 χ^2/NDF:5571006.3/19

\+ sign 75.177+/-0.013 χ^2/NDF: 8448558.8/36

All: 73.314+/-0.009 χ^2/NDF: 17415107.7/74

\- sign 71.583+/-0.012 χ^2/NDF: 8926344.9/37



Right In: -0.005+/-0.032 χ^2/NDF: 10.3/15

Left Out: -0.062+/-0.022 χ^2/NDF:18.9/20

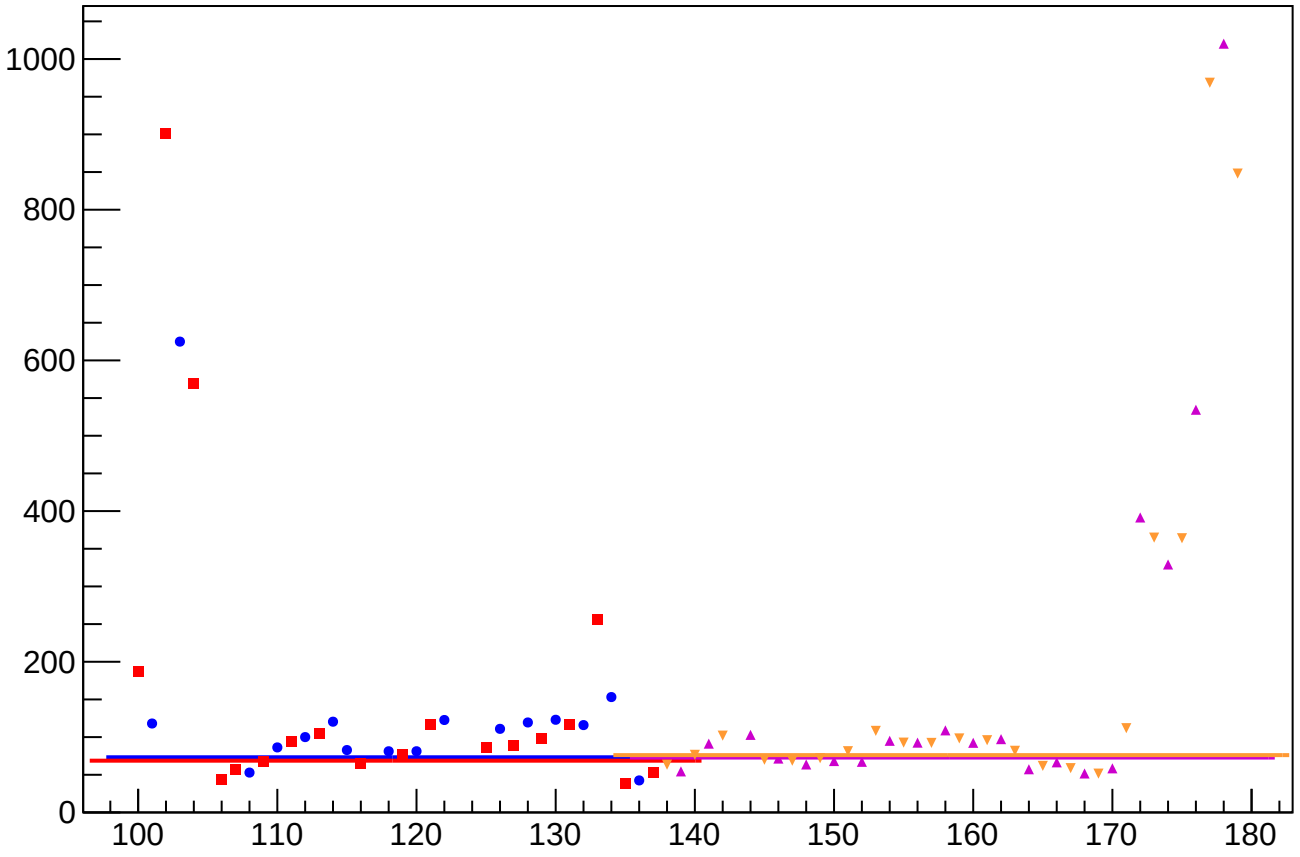
Right Out: 0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: -0.014+/-0.021 χ^2/NDF:12.9/19

+ sign -0.044+/-0.018 χ^2/NDF: 31.4/36

All: -0.018+/-0.013 χ^2/NDF: 64.0/74

- sign 0.005+/-0.018 χ^2/NDF: 28.8/37



Right In: 73.234+/-0.023 χ^2/NDF: 2854601.2/15

Left Out: 76.094+/-0.016 χ^2/NDF:5583262.0/20

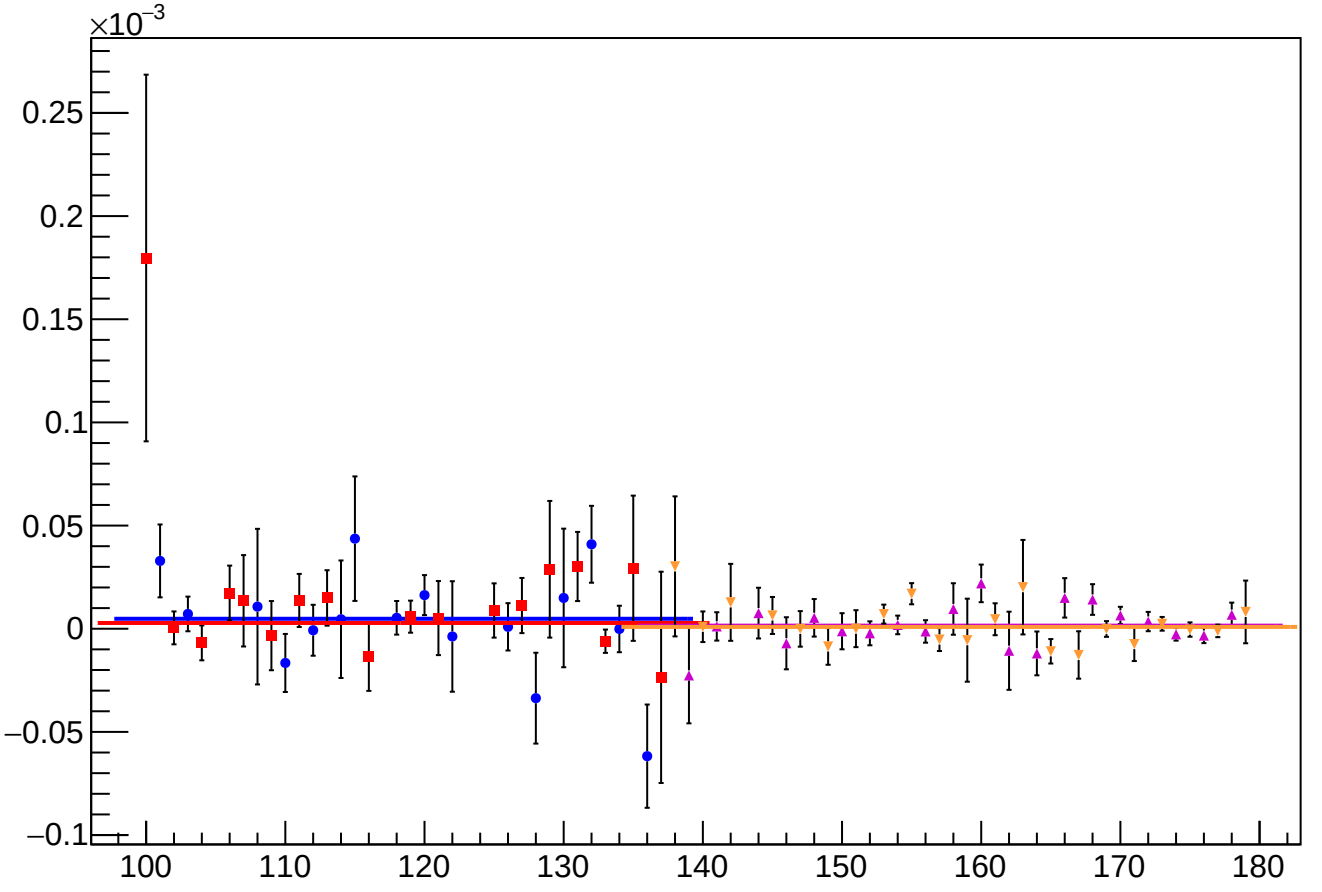
Right Out: 68.724+/-0.022 χ^2/NDF: 3331744.2/17

Left In: 72.860+/-0.015 χ^2/NDF:5571006.3/19

\+ sign 75.177+/-0.013 χ^2/NDF: 8448558.8/36

All: 73.314+/-0.009 χ^2/NDF: 17415107.7/74

\- sign 71.583+/-0.012 χ^2/NDF: 8926344.9/37



Right In: 0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:24.0/20

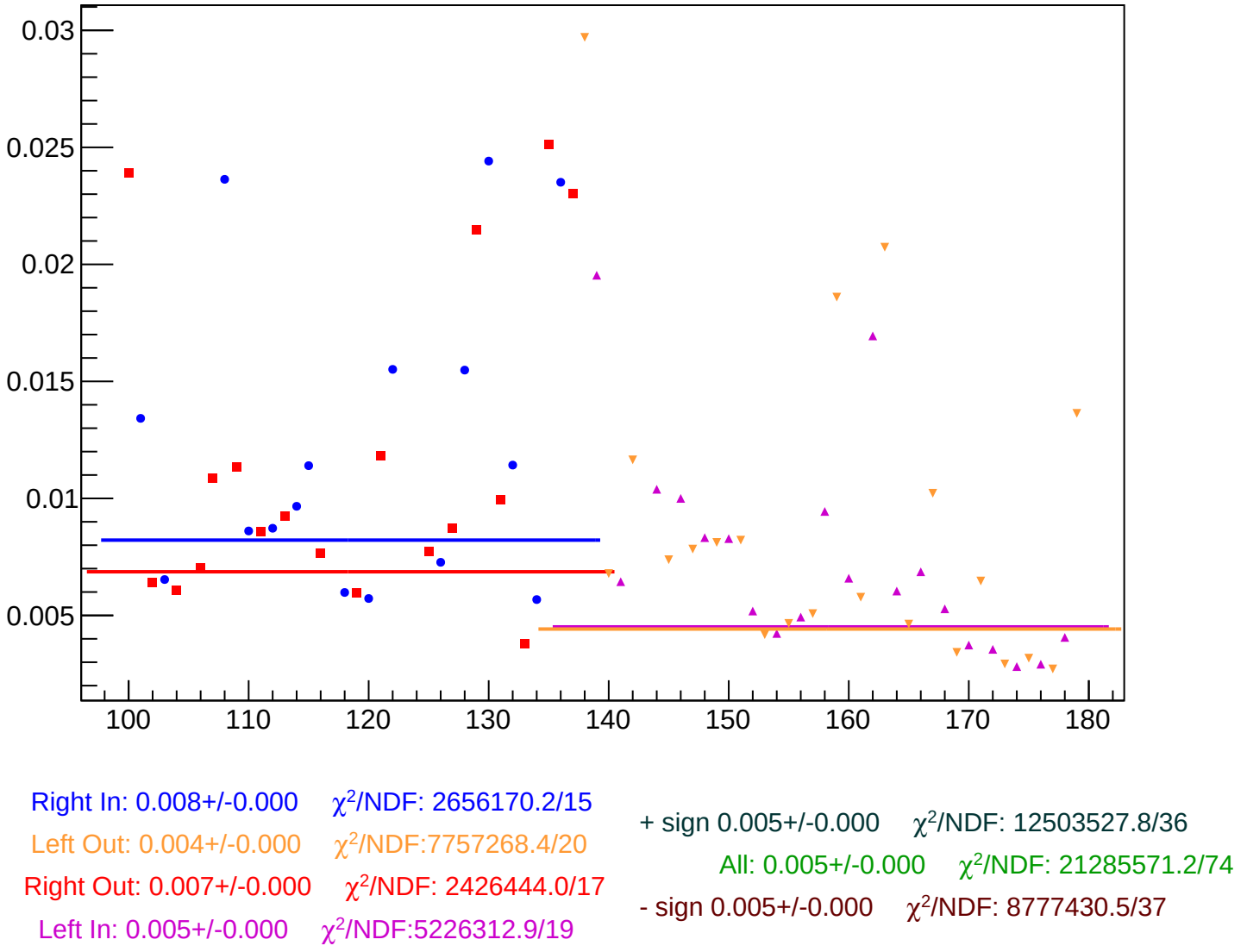
Right Out: 0.000+/-0.000 χ^2/NDF: 16.8/17

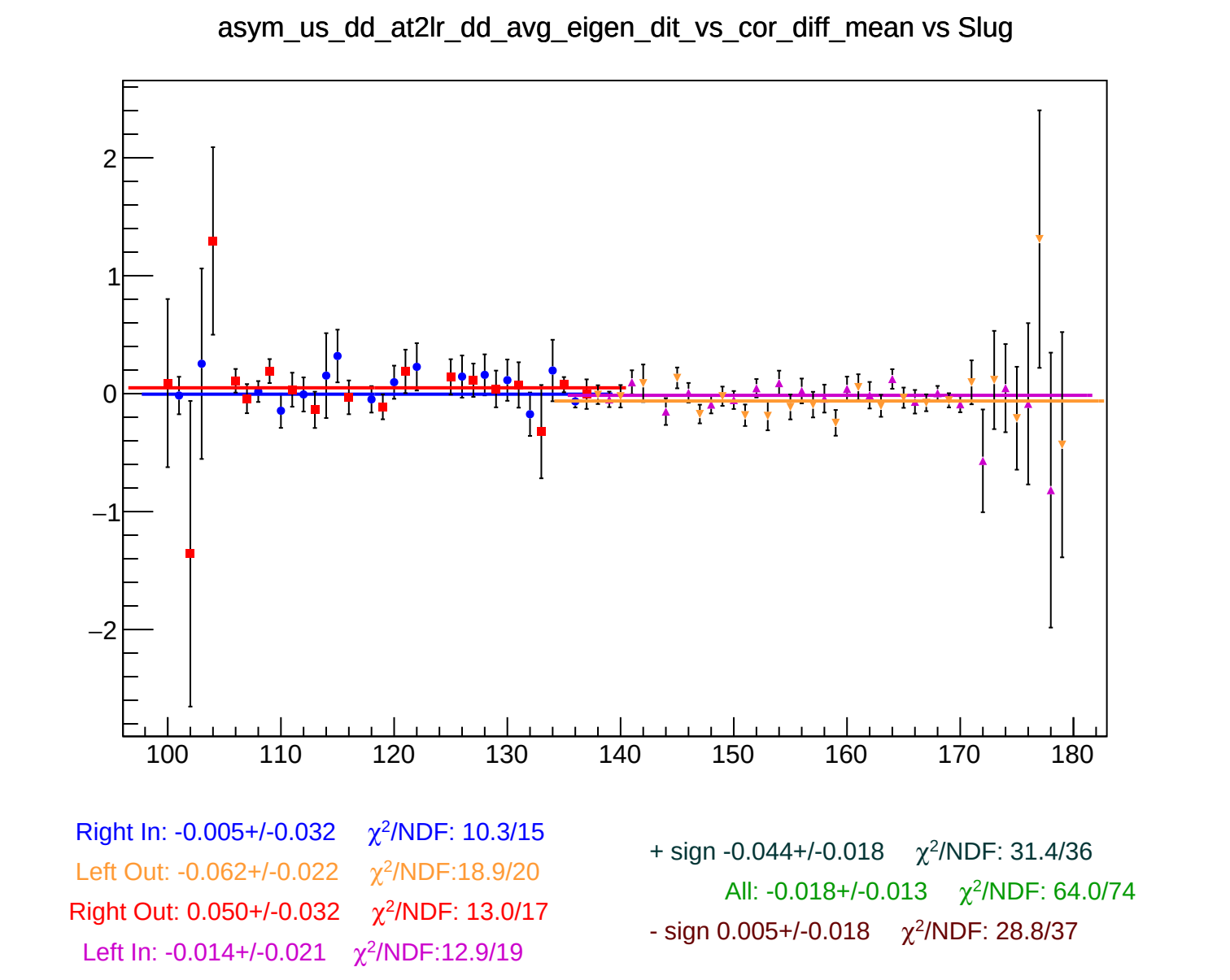
Left In: 0.000+/-0.000 χ^2/NDF:21.2/19

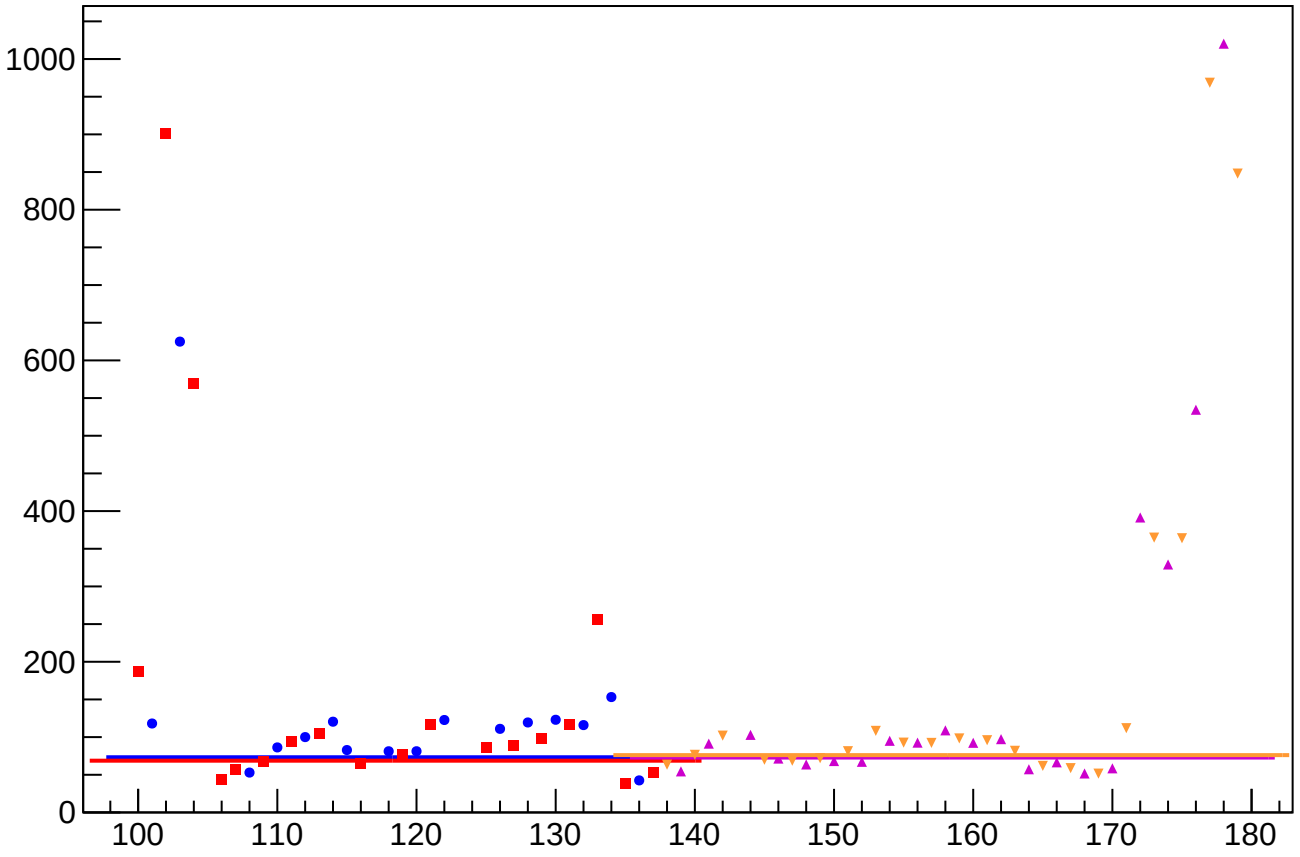
+ sign 0.000+/-0.000 χ^2/NDF: 47.7/36

All: 0.000+/-0.000 χ^2/NDF: 85.9/74

- sign 0.000+/-0.000 χ^2/NDF: 38.1/37


asym_us_dd_at2lr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.03
0.025
0.02
0.015
0.01
0.005
100
110
120
130
140
150
160
170
180
Right In: 0.008+/-0.000 χ²/NDF: 2656170.2/15
Left Out: 0.004+/-0.000 χ²/NDF:7757268.4/20
Right Out: 0.007+/-0.000 χ²/NDF: 2426444.0/17
Left In: 0.005+/-0.000 χ²/NDF:5226312.9/19
+ sign 0.005+/-0.000 χ²/NDF: 12503527.8/36
All: 0.005+/-0.000 χ²/NDF: 21285571.2/74
- sign 0.005+/-0.000 χ²/NDF: 8777430.5/37


asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug
2
1
0
−1
−2
100
110
120
130
140
150
160
170
180
Right In: -0.005+/-0.032 χ²/NDF: 10.3/15
Left Out: -0.062+/-0.022 χ²/NDF:18.9/20
Right Out: 0.050+/-0.032 χ²/NDF: 13.0/17
Left In: -0.014+/-0.021 χ²/NDF:12.9/19
+ sign -0.044+/-0.018 χ²/NDF: 31.4/36
All: -0.018+/-0.013 χ²/NDF: 64.0/74
- sign 0.005+/-0.018 χ²/NDF: 28.8/37



Right In: 73.260+/-0.023 χ^2/NDF: 2852306.8/15

Left Out: 76.093+/-0.016 χ^2/NDF:5583176.4/20

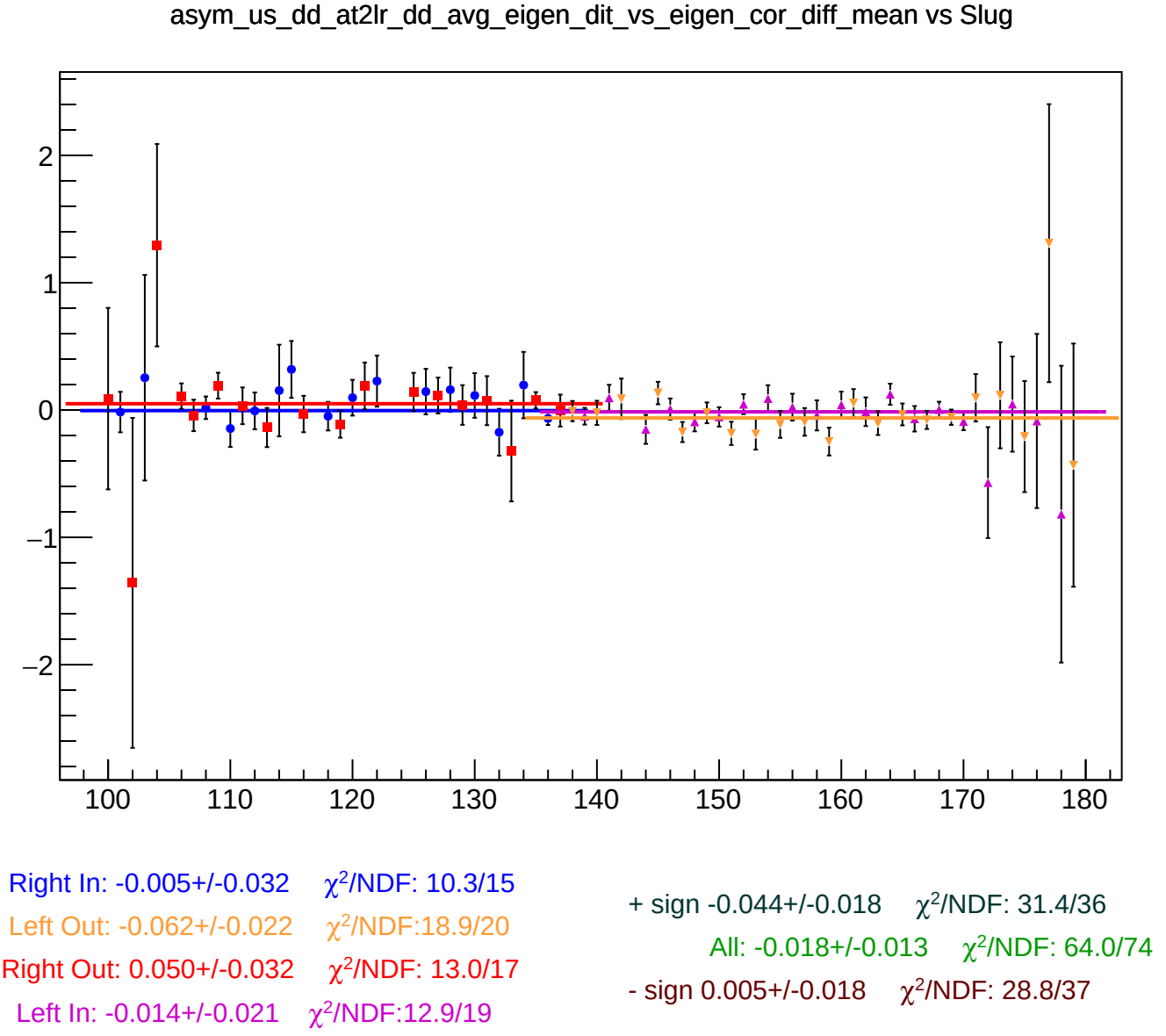
Right Out: 68.713+/-0.022 χ^2/NDF: 3332744.7/17

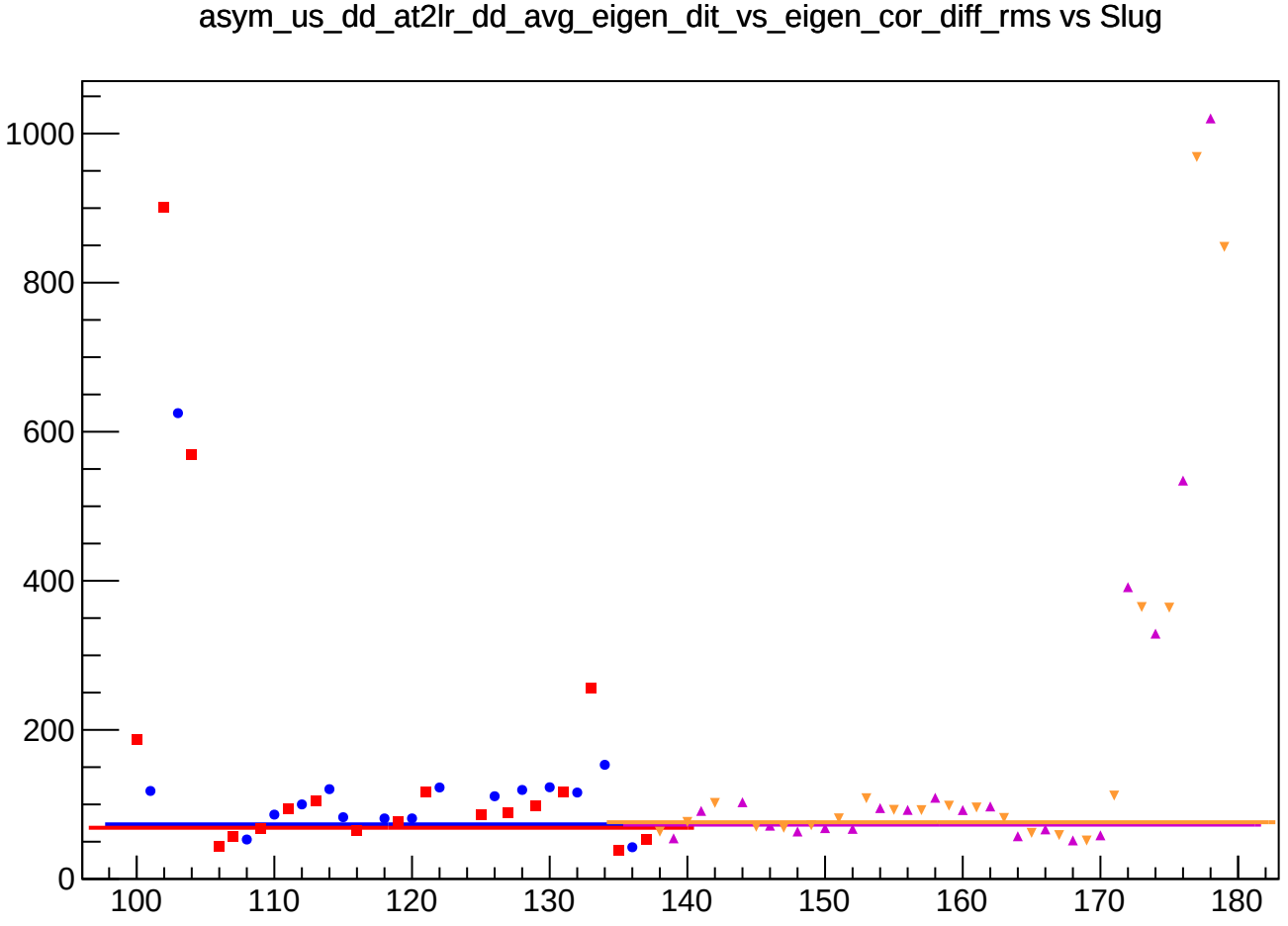
Left In: 72.861+/-0.015 χ^2/NDF:5570738.2/19

\+ sign 75.185+/-0.013 χ^2/NDF: 8445986.9/36

All: 73.316+/-0.009 χ^2/NDF: 17413654.5/74

\- sign 71.580+/-0.012 χ^2/NDF: 8927221.8/37


asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
2
1
0
−1
−2
100
110
120
130
140
150
160
170
180
Right In: -0.005+/-0.032 χ²/NDF: 10.3/15
Left Out: -0.062+/-0.022 χ²/NDF:18.9/20
Right Out: 0.050+/-0.032 χ²/NDF: 13.0/17
Left In: -0.014+/-0.021 χ²/NDF:12.9/19
+ sign -0.044+/-0.018 χ²/NDF: 31.4/36
All: -0.018+/-0.013 χ²/NDF: 64.0/74
- sign 0.005+/-0.018 χ²/NDF: 28.8/37



Right In: 73.260+/-0.023 χ^2/NDF: 2852306.8/15

Left Out: 76.093+/-0.016 χ^2/NDF:5583176.4/20

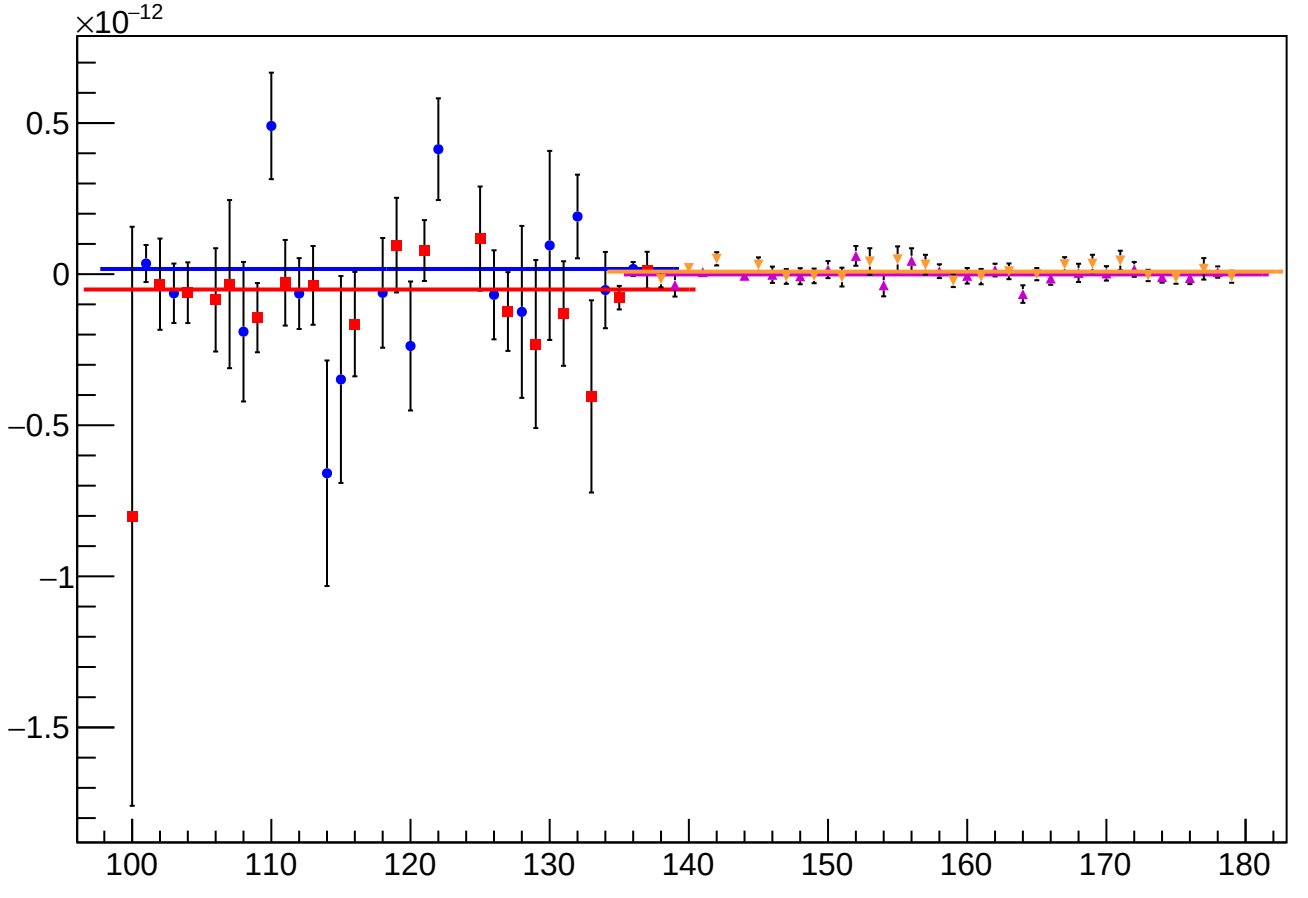
Right Out: 68.713+/-0.022 χ^2/NDF: 3332744.7/17

Left In: 72.861+/-0.015 χ^2/NDF:5570738.2/19

+ sign 75.185+/-0.013 χ^2/NDF: 8445986.9/36

All: 73.316+/-0.009 χ^2/NDF: 17413654.5/74

- sign 71.580+/-0.012 χ^2/NDF: 8927221.8/37



Right In: 0.000+/-0.000 χ^2/NDF: 23.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.0/20

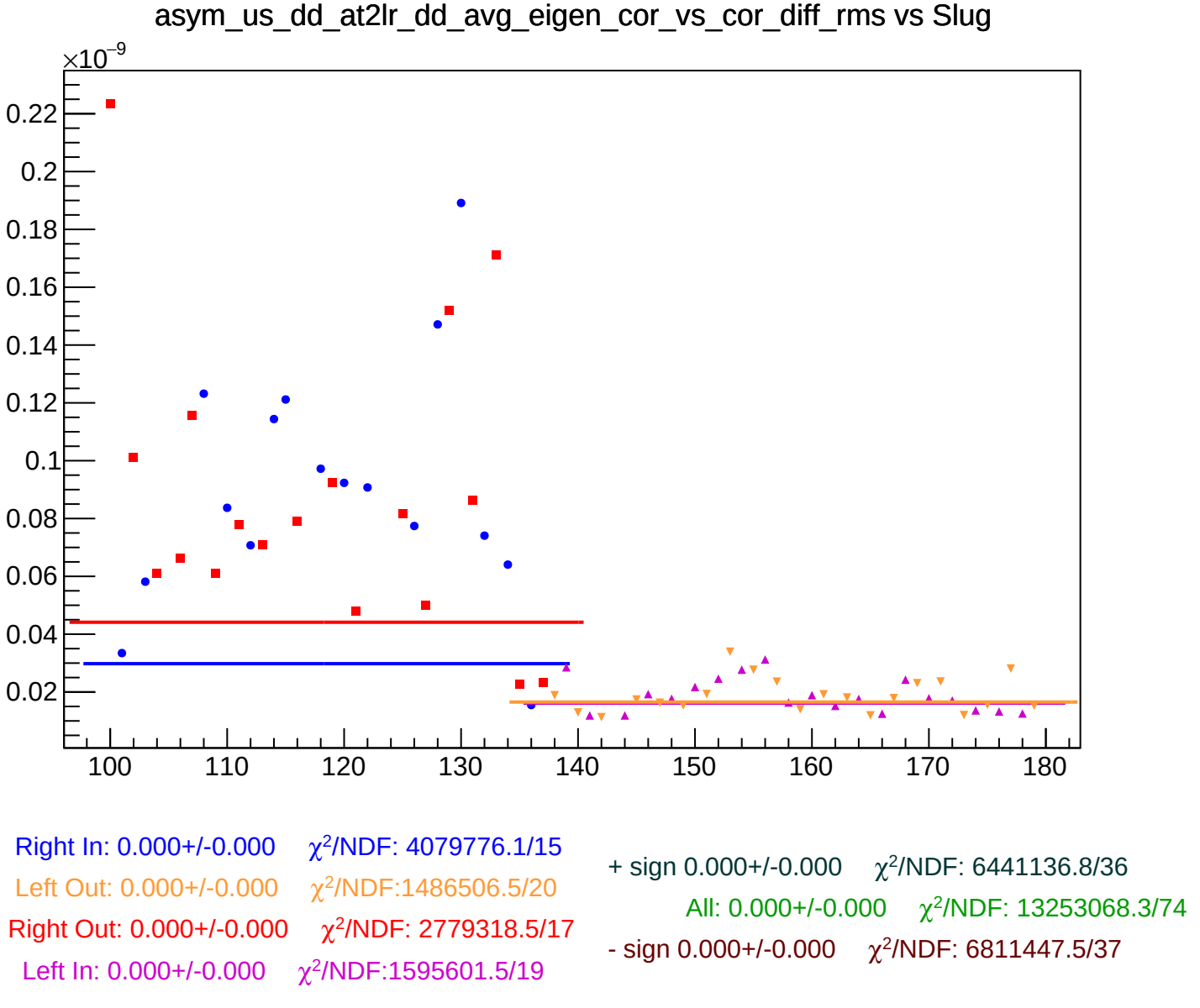
Right Out: -0.000+/-0.000 χ^2/NDF: 9.1/17

Left In: -0.000+/-0.000 χ^2/NDF:14.5/19

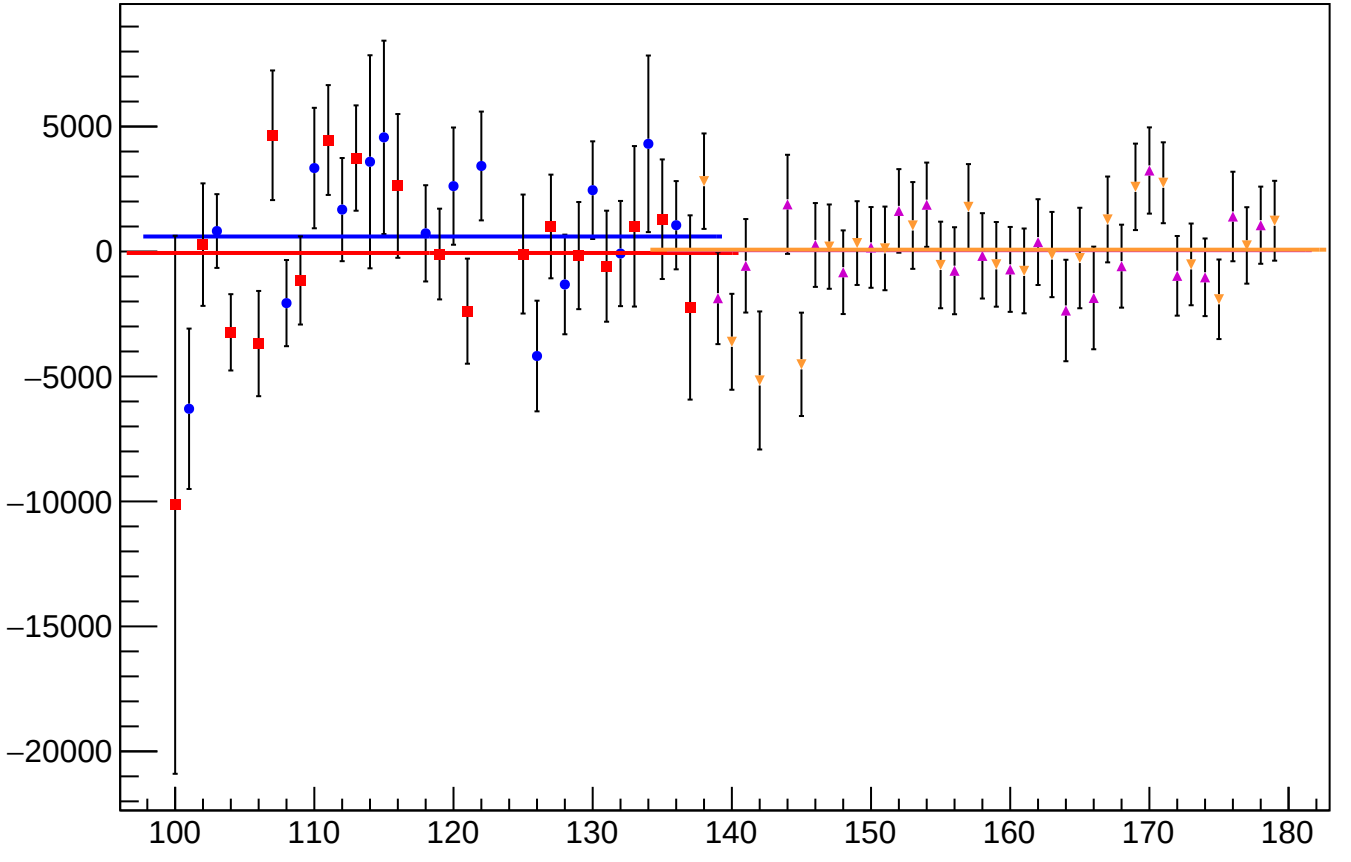
+ sign 0.000+/-0.000 χ^2/NDF: 40.6/36

All: 0.000+/-0.000 χ^2/NDF: 70.8/74

- sign -0.000+/-0.000 χ^2/NDF: 27.5/37


asym_us_dd_at2lr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 4079776.1/15
Left Out: 0.000+/-0.000 χ²/NDF:1486506.5/20
Right Out: 0.000+/-0.000 χ²/NDF: 2779318.5/17
Left In: 0.000+/-0.000 χ²/NDF:1595601.5/19
+ sign 0.000+/-0.000 χ²/NDF: 6441136.8/36
All: 0.000+/-0.000 χ²/NDF: 13253068.3/74
- sign 0.000+/-0.000 χ²/NDF: 6811447.5/37

reg_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 600.146+/-540.053 χ^2/NDF: 20.3/15

Left Out: 72.348+/-380.338 χ^2/NDF:23.7/20

Right Out: -59.091+/-530.206 χ^2/NDF: 22.5/17

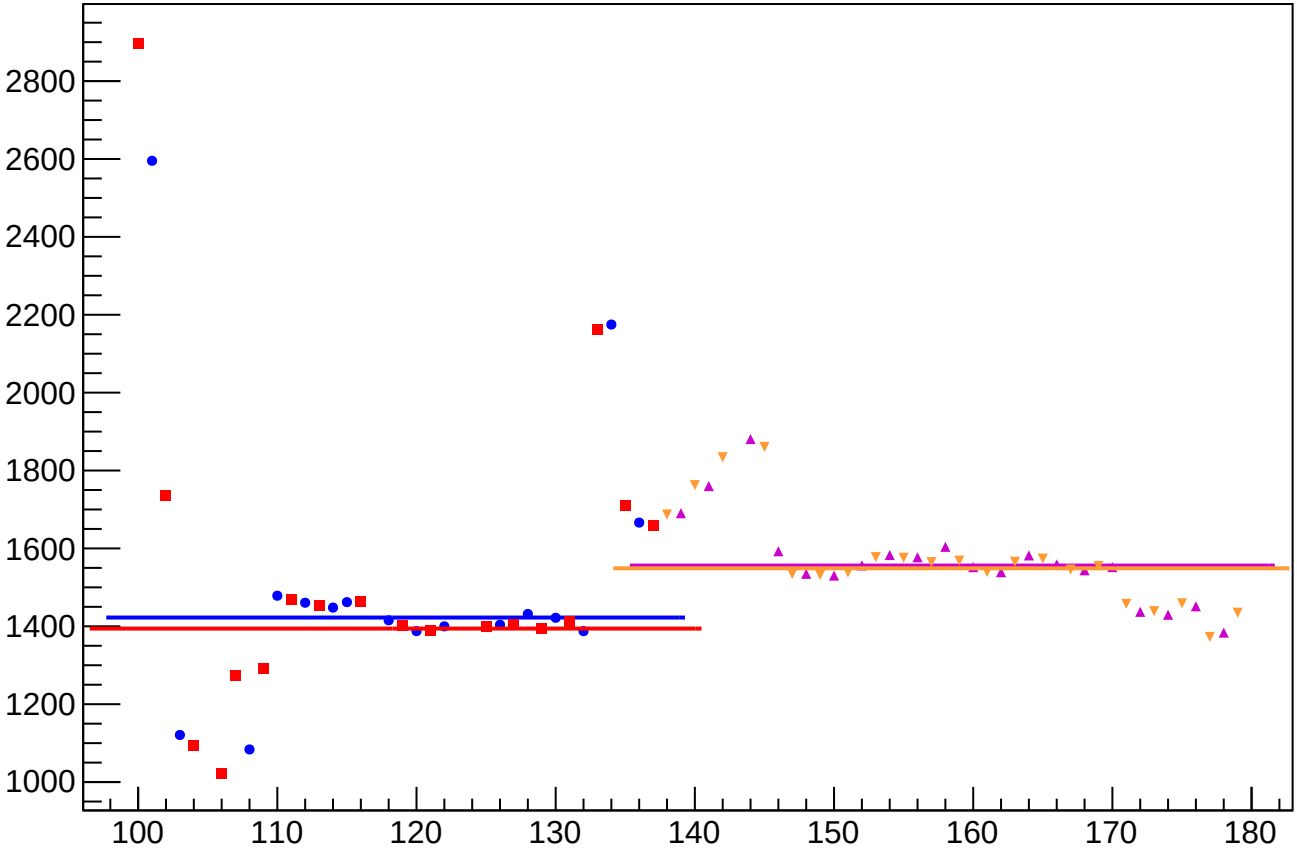
Left In: 53.218+/-385.794 χ^2/NDF:12.6/19

+ sign 247.336+/-310.961 χ^2/NDF: 44.7/36

All: 131.209+/-220.232 χ^2/NDF: 80.1/74

- sign 14.340+/-311.952 χ^2/NDF: 35.2/37

reg_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.3/15

Left Out: 1548.914+/-0.269 χ^2/NDF:163069.7/20

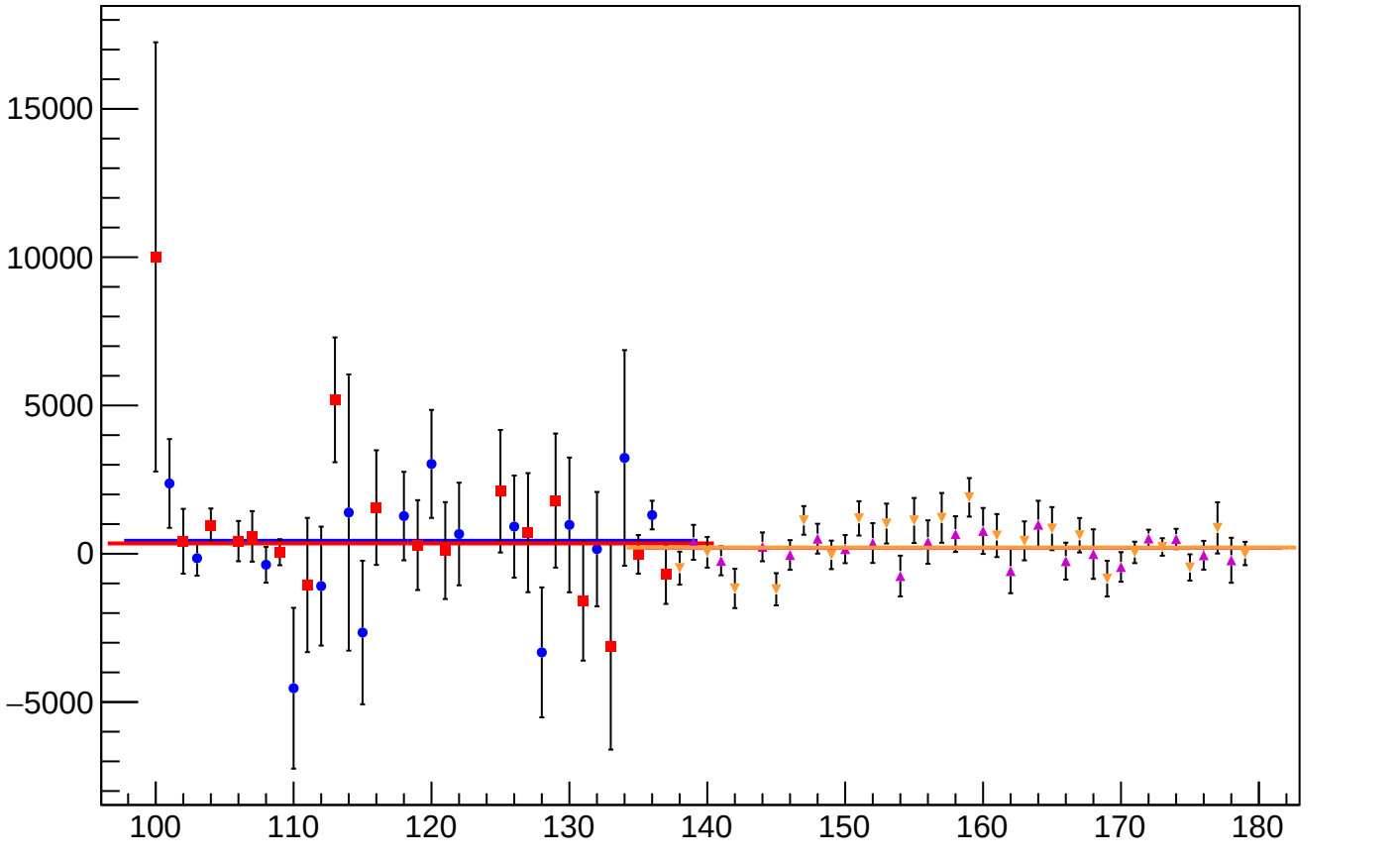
Right Out: 1394.171+/-0.375 χ^2/NDF: 393666.0/17

Left In: 1555.961+/-0.273 χ^2/NDF:149095.5/19

+ sign 1507.007+/-0.220 χ^2/NDF: 796564.6/36

All: 1503.492+/-0.156 χ^2/NDF: 1461601.0/74

- sign 1499.954+/-0.221 χ^2/NDF: 664523.5/37



Right In: 436.509+/-275.917 χ^2/NDF: 19.3/15

Left Out: 206.943+/-114.739 χ^2/NDF:38.7/20

Right Out: 348.567+/-233.745 χ^2/NDF: 13.9/17

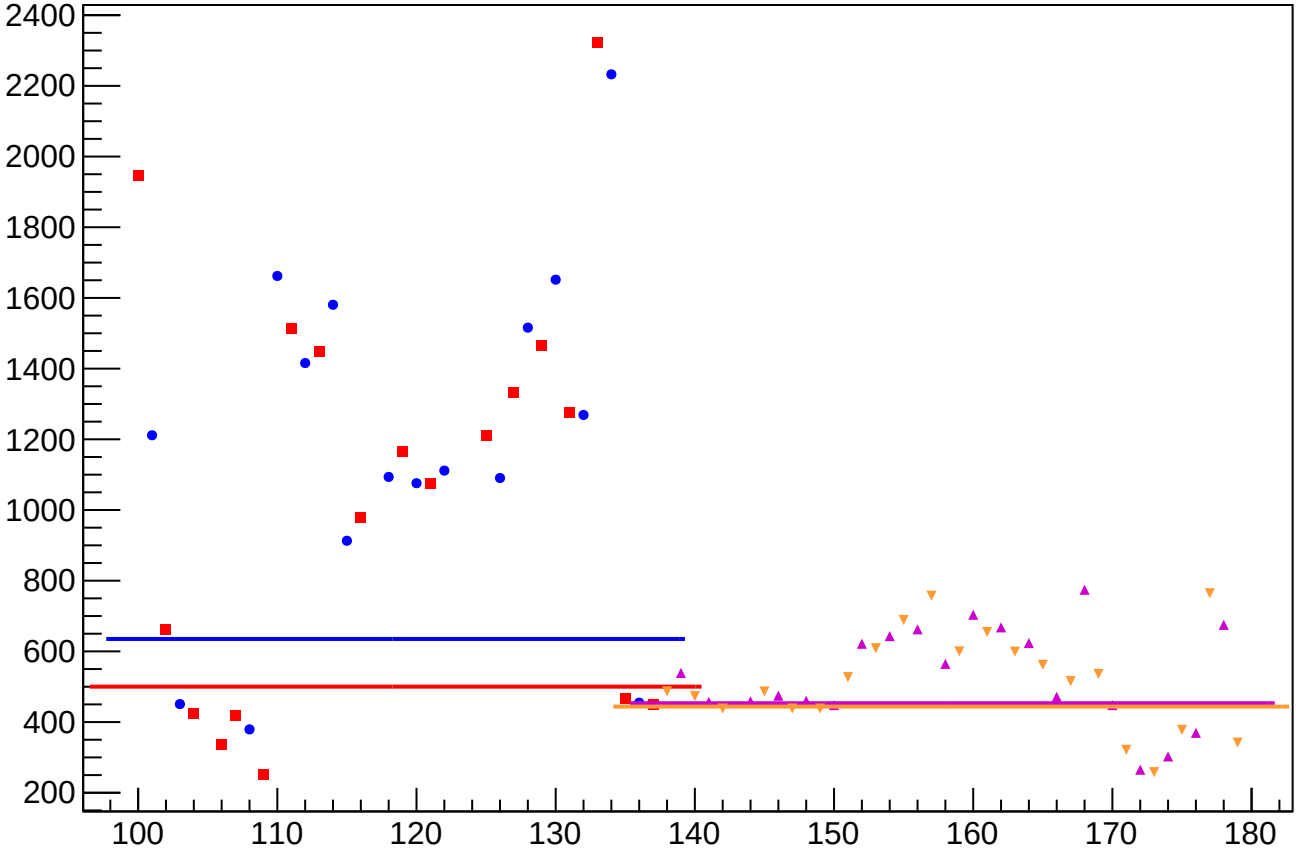
Left In: 199.196+/-118.123 χ^2/NDF:11.5/19

+ sign 240.789+/-105.944 χ^2/NDF: 58.6/36

All: 235.158+/-74.730 χ^2/NDF: 84.3/74

- sign 229.582+/-105.426 χ^2/NDF: 25.7/37

asym_us_dd_at2lr_dd_dd_reg_correction_rms vs Slug



Right In: 635.135+/-0.195 χ^2/NDF: 3752583.4/15

Left Out: 443.803+/-0.081 χ^2/NDF:2688583.8/20

Right Out: 500.231+/-0.165 χ^2/NDF: 4309093.1/17

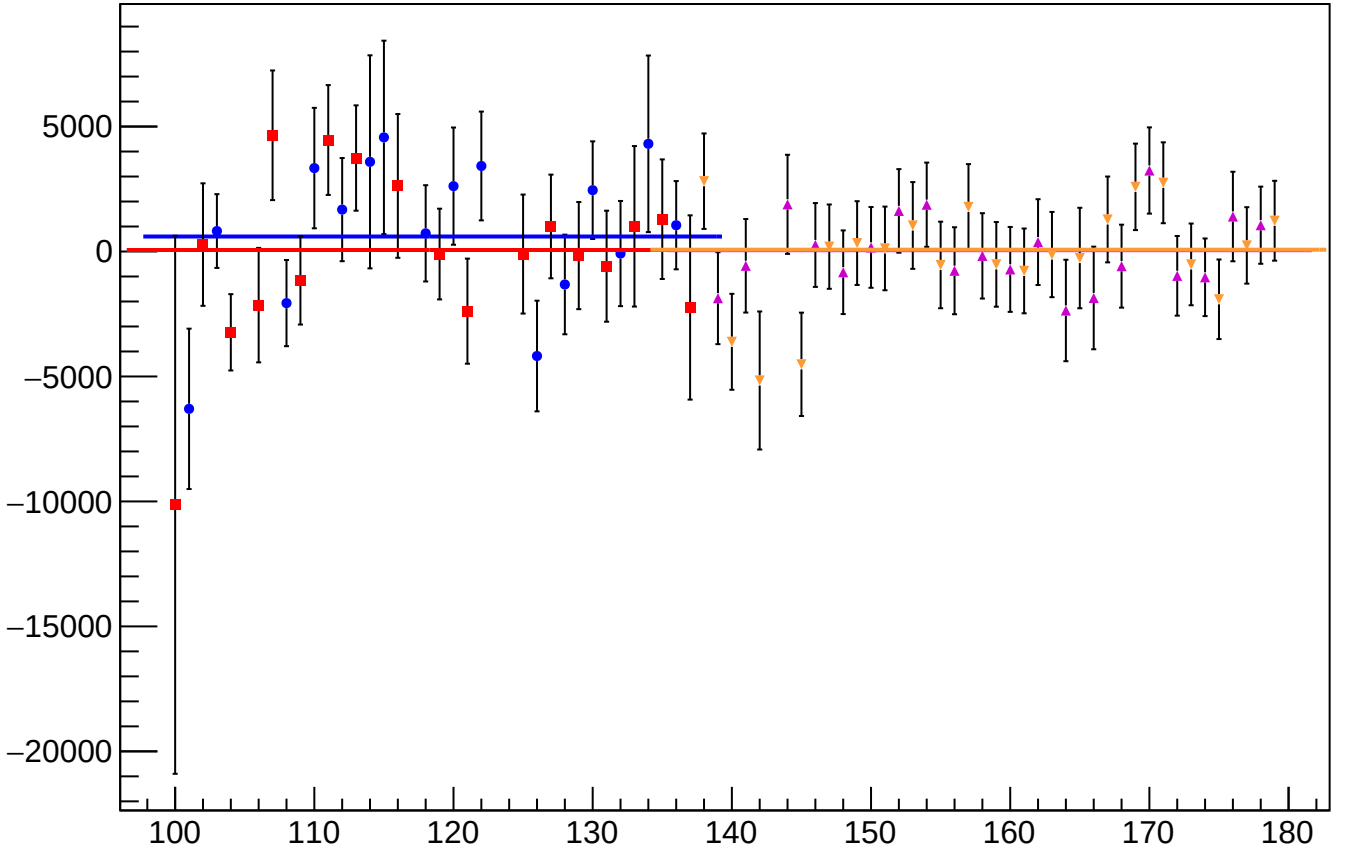
Left In: 453.246+/-0.084 χ^2/NDF:2746456.9/19

+ sign 472.012+/-0.075 χ^2/NDF: 7261097.8/36

All: 467.385+/-0.053 χ^2/NDF: 14388610.2/74

- sign 462.804+/-0.075 χ^2/NDF: 7119922.0/37

cor_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 600.020+/-540.053 χ^2/NDF: 20.3/15

Left Out: 72.345+/-380.338 χ^2/NDF:23.7/20

Right Out: 60.361+/-532.826 χ^2/NDF: 20.4/17

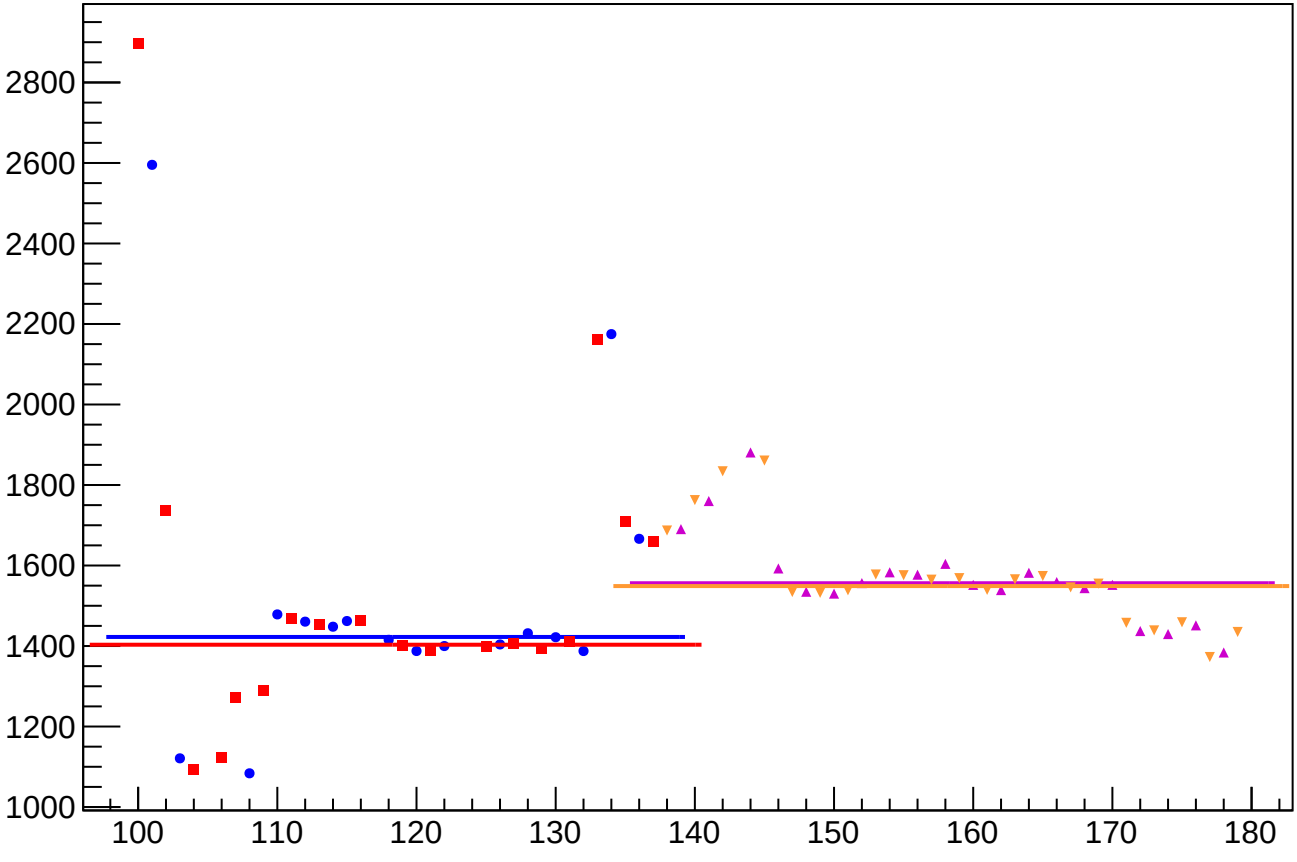
Left In: 53.263+/-385.794 χ^2/NDF:12.6/19

\+ sign 247.292+/-310.961 χ^2/NDF: 44.7/36

All: 151.966+/-220.419 χ^2/NDF: 77.8/74

\- sign 55.704+/-312.484 χ^2/NDF: 33.0/37

cor_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.5/15

Left Out: 1548.914+/-0.269 χ^2/NDF:163069.7/20

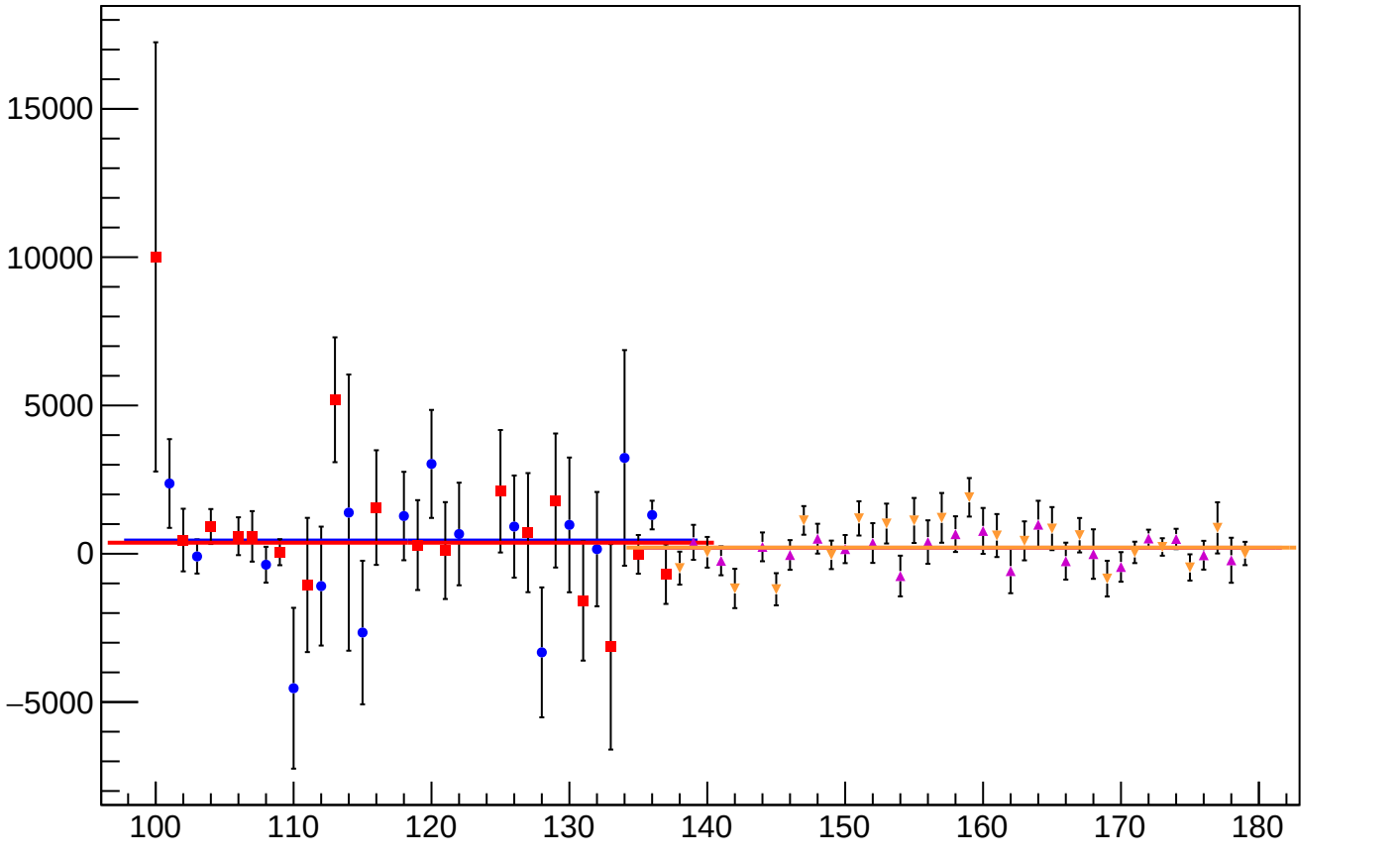
Right Out: 1403.220+/-0.377 χ^2/NDF: 359113.5/17

Left In: 1555.961+/-0.273 χ^2/NDF:149095.5/19

+ sign 1507.007+/-0.220 χ^2/NDF: 796564.9/36

All: 1505.226+/-0.156 χ^2/NDF: 1412729.9/74

- sign 1503.427+/-0.221 χ^2/NDF: 616033.0/37



Right In: 445.121+/-274.737 χ^2/NDF: 19.2/15

Left Out: 207.015+/-114.739 χ^2/NDF:38.7/20

Right Out: 372.538+/-231.353 χ^2/NDF: 14.0/17

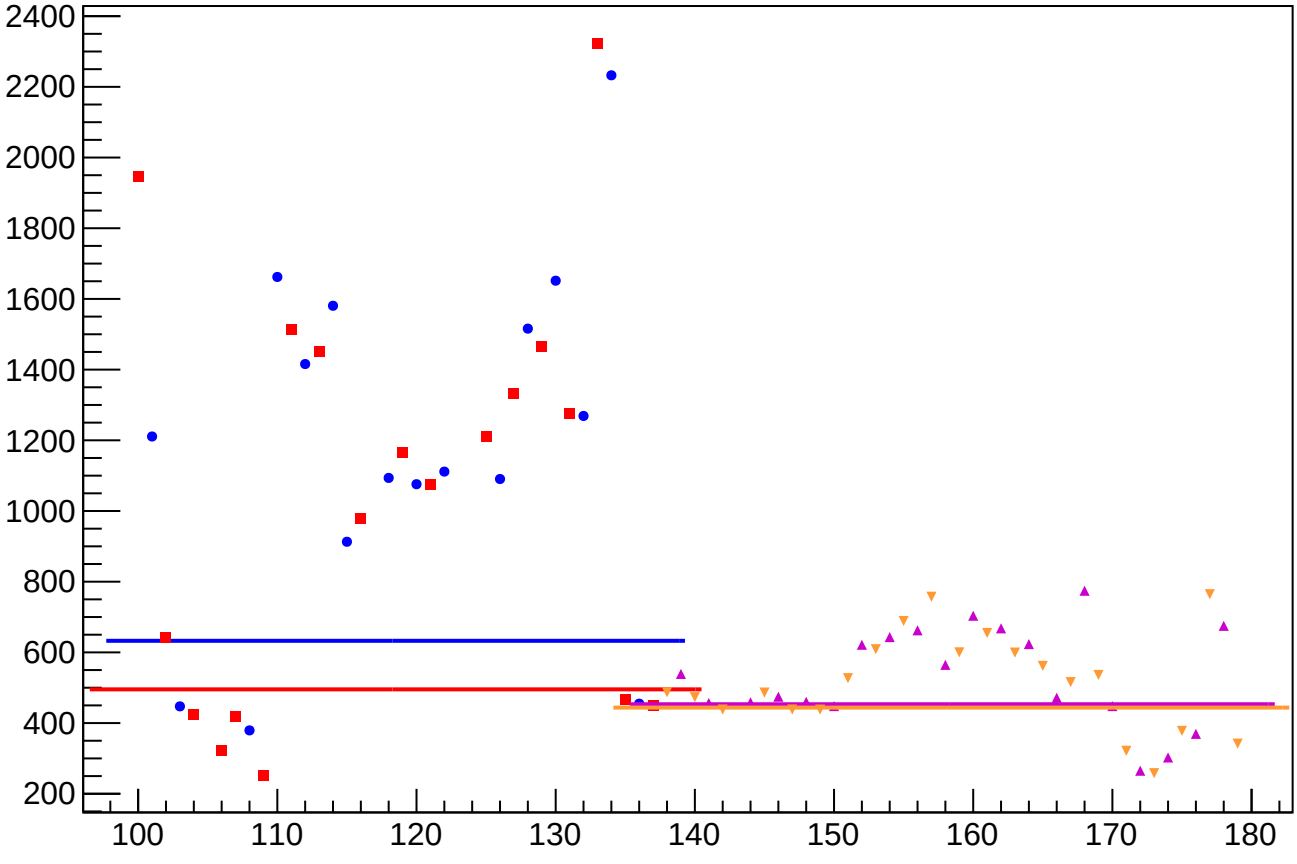
Left In: 199.363+/-118.124 χ^2/NDF:11.5/19

+ sign 242.377+/-105.877 χ^2/NDF: 58.5/36

All: 238.752+/-74.627 χ^2/NDF: 84.4/74

- sign 235.173+/-105.204 χ^2/NDF: 25.9/37

asym_us_dd_at2lr_dd_dd_cor_correction_rms vs Slug



Right In: 632.753+/-0.194 χ^2/NDF: 3767731.7/15

Left Out: 443.801+/-0.081 χ^2/NDF:2688851.1/20

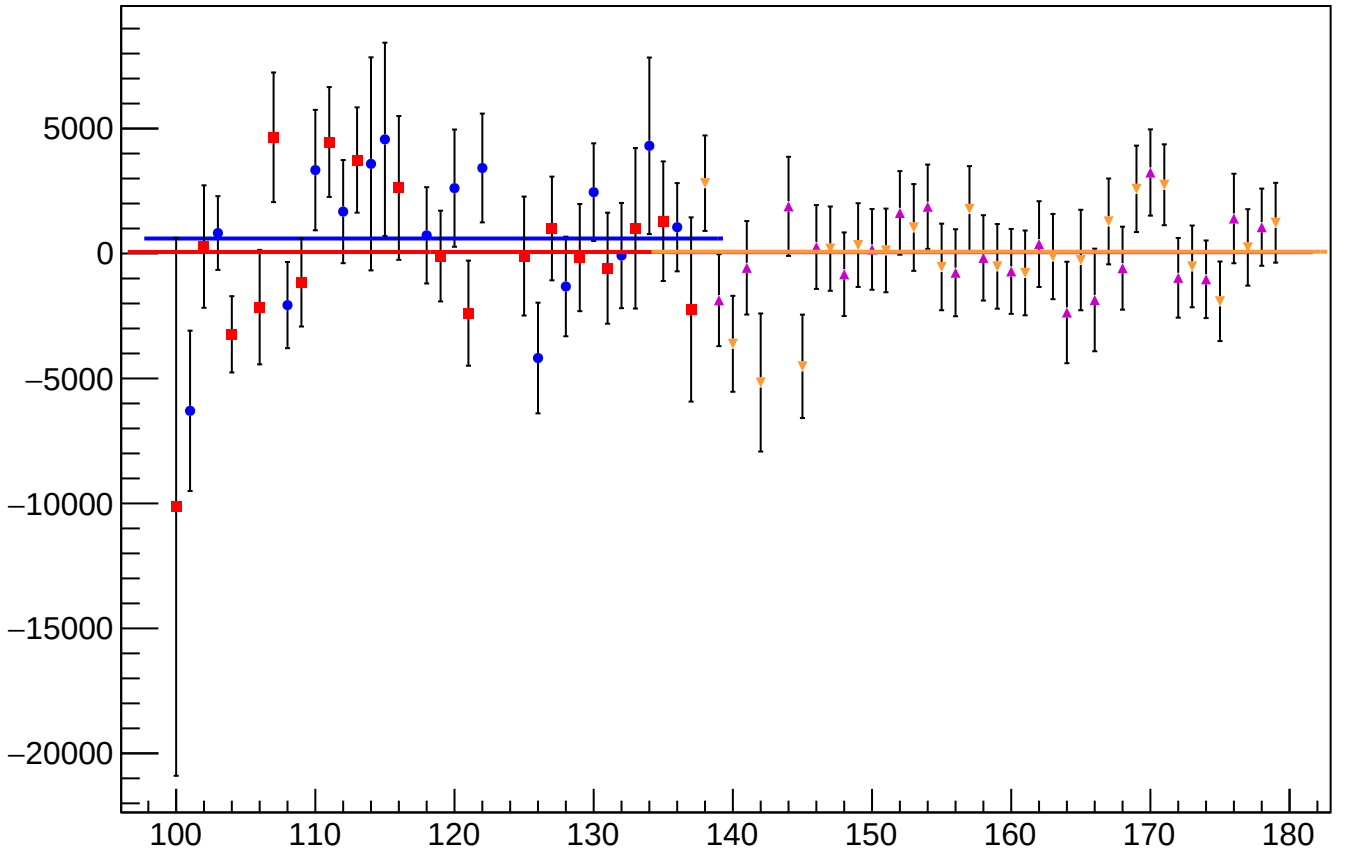
Right Out: 495.380+/-0.164 χ^2/NDF: 4337484.8/17

Left In: 453.251+/-0.084 χ^2/NDF:2746175.7/19

+ sign 471.863+/-0.075 χ^2/NDF: 7262097.1/36

All: 466.881+/-0.053 χ^2/NDF: 14407163.1/74

- sign 461.963+/-0.074 χ^2/NDF: 7136266.0/37



Right In: 600.020+/-540.053 χ^2/NDF: 20.3/15

Left Out: 72.345+/-380.338 χ^2/NDF:23.7/20

Right Out: 60.361+/-532.826 χ^2/NDF: 20.4/17

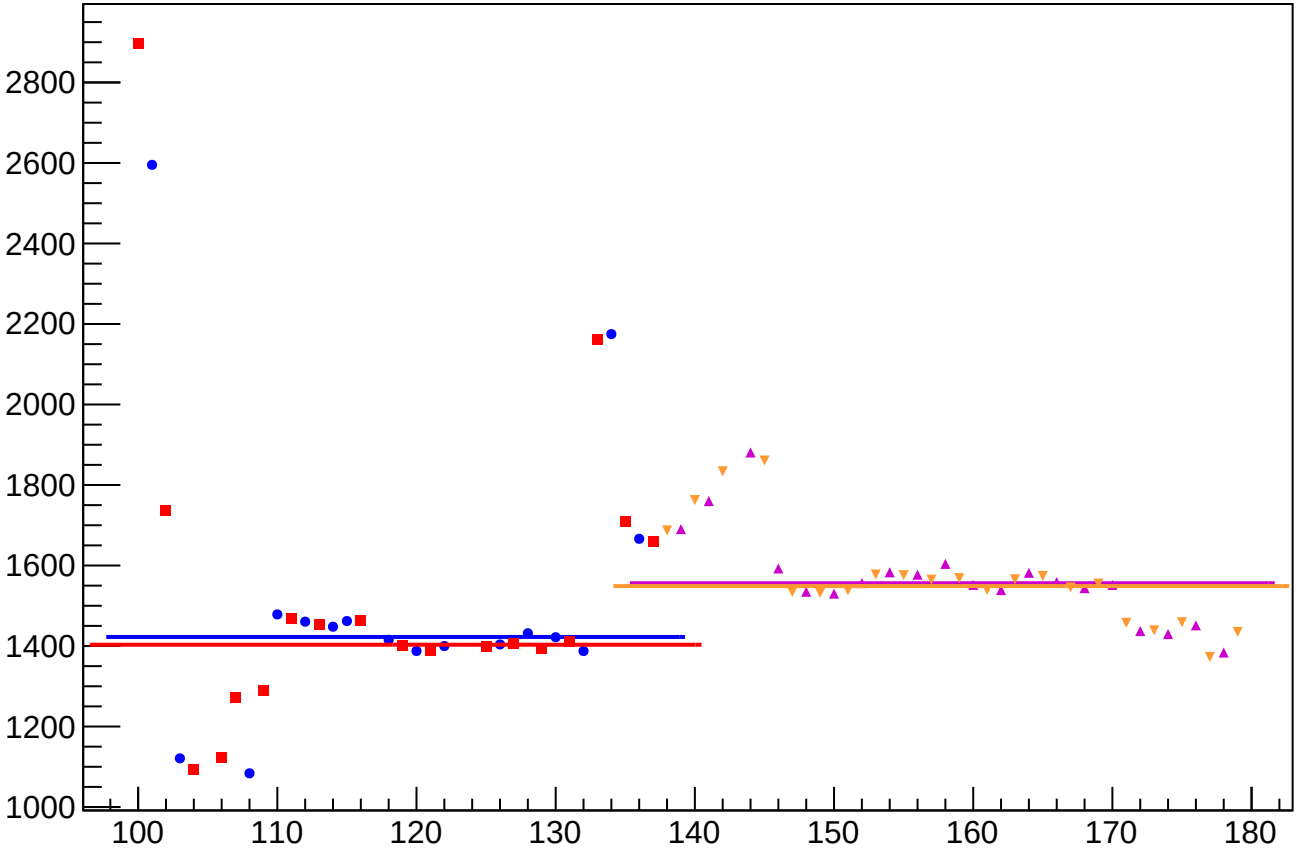
Left In: 53.263+/-385.794 χ^2/NDF:12.6/19

\+ sign 247.292+/-310.961 χ^2/NDF: 44.7/36

All: 151.966+/-220.419 χ^2/NDF: 77.8/74

\- sign 55.704+/-312.484 χ^2/NDF: 33.0/37

eigen_cor_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.5/15

Left Out: 1548.914+/-0.269 χ^2/NDF:163069.7/20

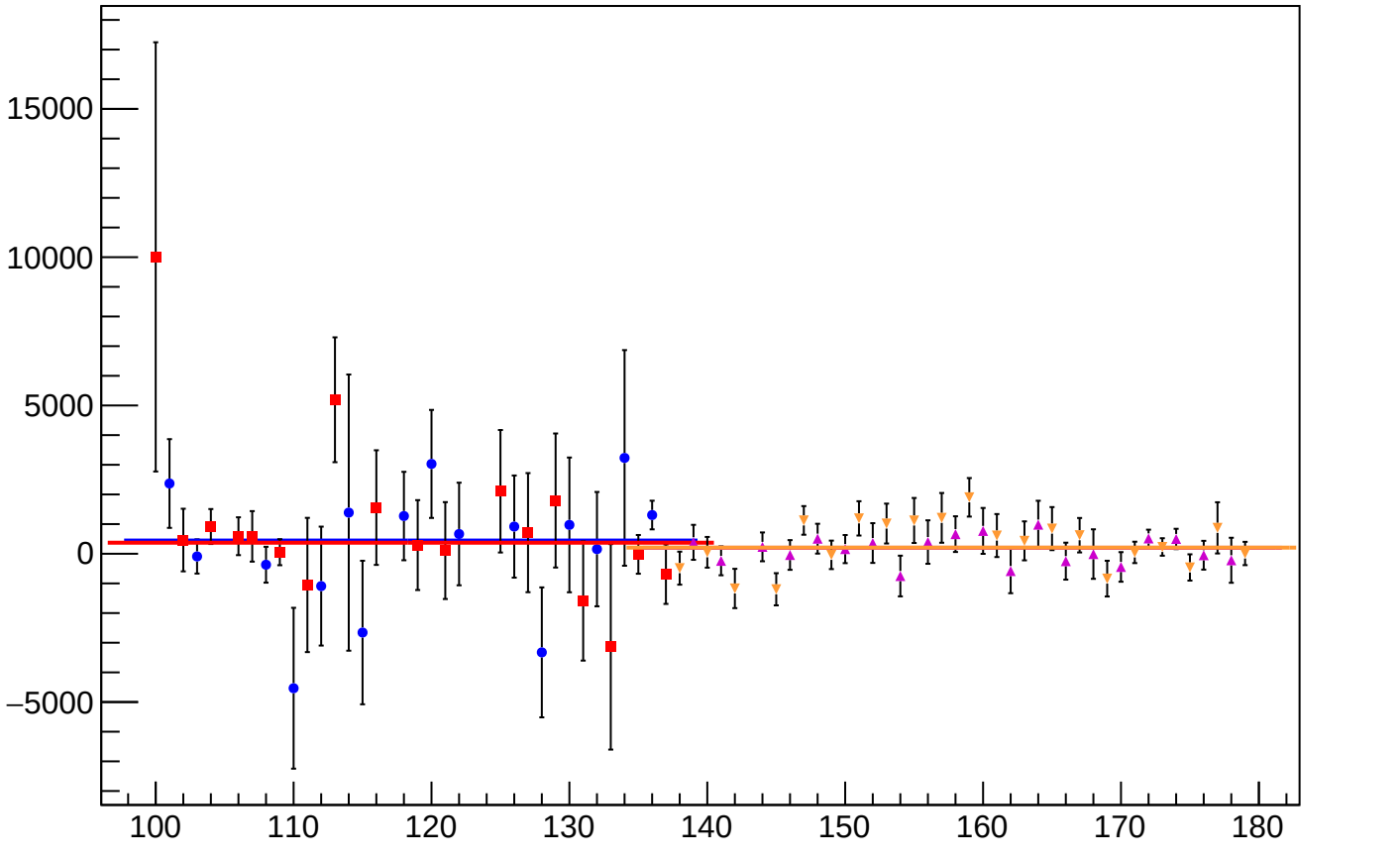
Right Out: 1403.220+/-0.377 χ^2/NDF: 359113.5/17

Left In: 1555.961+/-0.273 χ^2/NDF:149095.5/19

+ sign 1507.007+/-0.220 χ^2/NDF: 796564.9/36

All: 1505.226+/-0.156 χ^2/NDF: 1412729.9/74

- sign 1503.427+/-0.221 χ^2/NDF: 616033.0/37



Right In: 445.121+/-274.737 χ^2/NDF: 19.2/15

Left Out: 207.015+/-114.739 χ^2/NDF:38.7/20

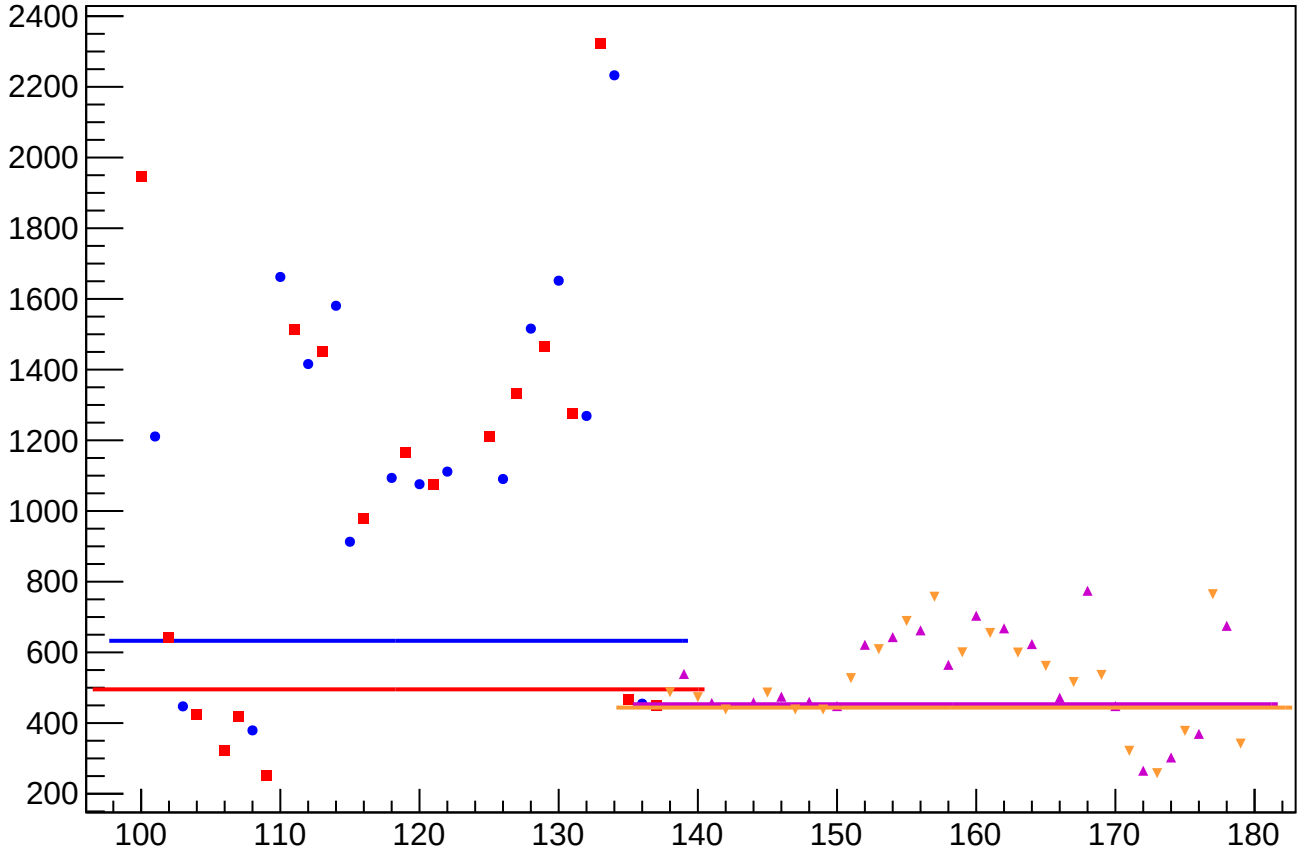
Right Out: 372.538+/-231.353 χ^2/NDF: 14.0/17

Left In: 199.363+/-118.124 χ^2/NDF:11.5/19

+ sign 242.377+/-105.877 χ^2/NDF: 58.5/36

All: 238.752+/-74.627 χ^2/NDF: 84.4/74

- sign 235.173+/-105.204 χ^2/NDF: 25.9/37



Right In: 632.753+/-0.194 χ^2/NDF: 3767731.7/15

Left Out: 443.801+/-0.081 χ^2/NDF:2688851.1/20

Right Out: 495.380+/-0.164 χ^2/NDF: 4337484.8/17

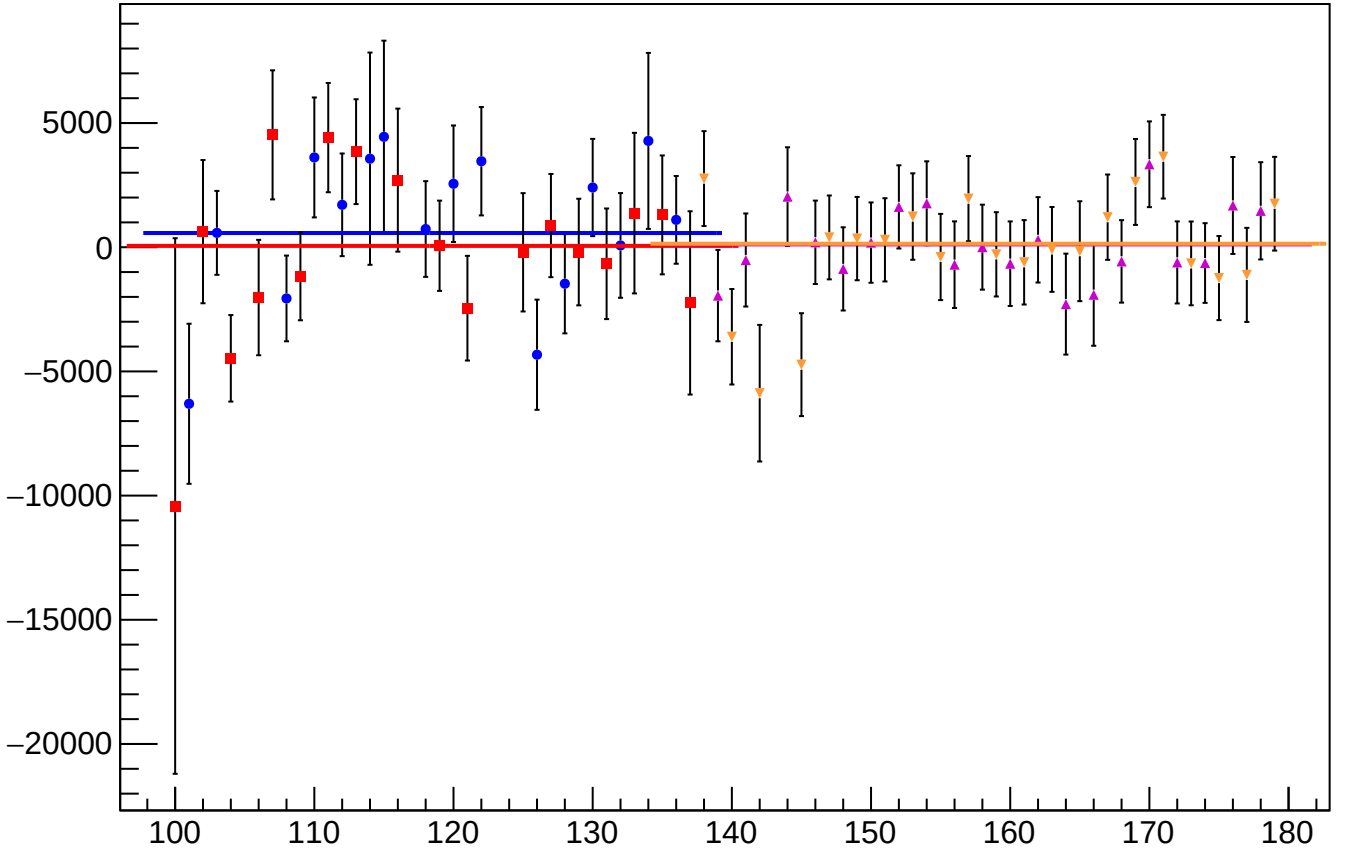
Left In: 453.251+/-0.084 χ^2/NDF:2746175.7/19

+ sign 471.863+/-0.075 χ^2/NDF: 7262097.1/36

All: 466.881+/-0.053 χ^2/NDF: 14407163.1/74

- sign 461.963+/-0.074 χ^2/NDF: 7136266.0/37

dit_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 572.289+/-549.638 χ^2/NDF: 20.8/15

Left Out: 141.447+/-390.896 χ^2/NDF:26.8/20

Right Out: 53.754+/-545.353 χ^2/NDF: 22.5/17

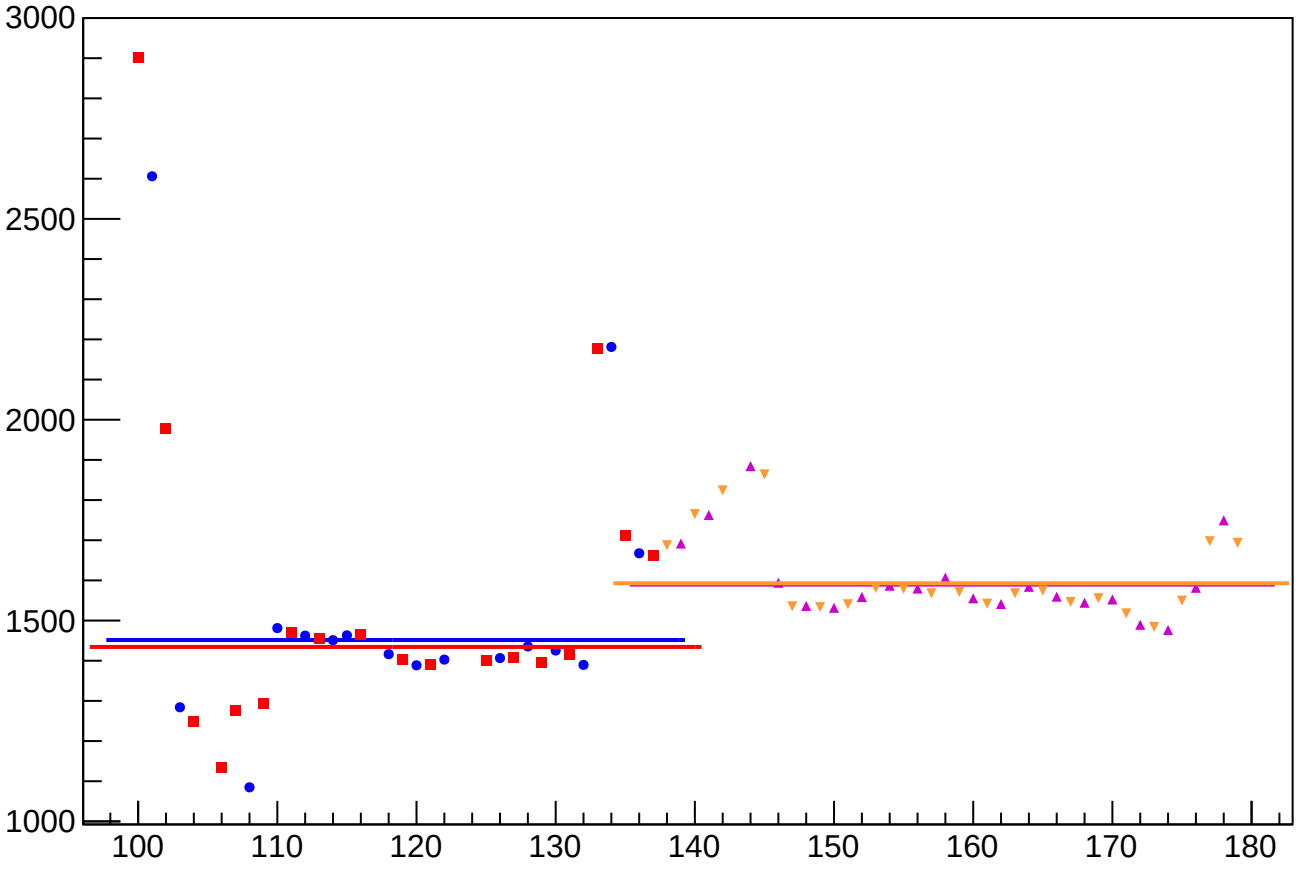
Left In: 112.523+/-393.935 χ^2/NDF:12.4/19

+ sign 286.166+/-318.551 χ^2/NDF: 48.0/36

All: 189.507+/-225.527 χ^2/NDF: 83.1/74

- sign 92.372+/-319.336 χ^2/NDF: 35.0/37

dit_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1451.579+/-0.389 χ^2/NDF: 487836.7/15

Left Out: 1592.939+/-0.276 χ^2/NDF:107228.4/20

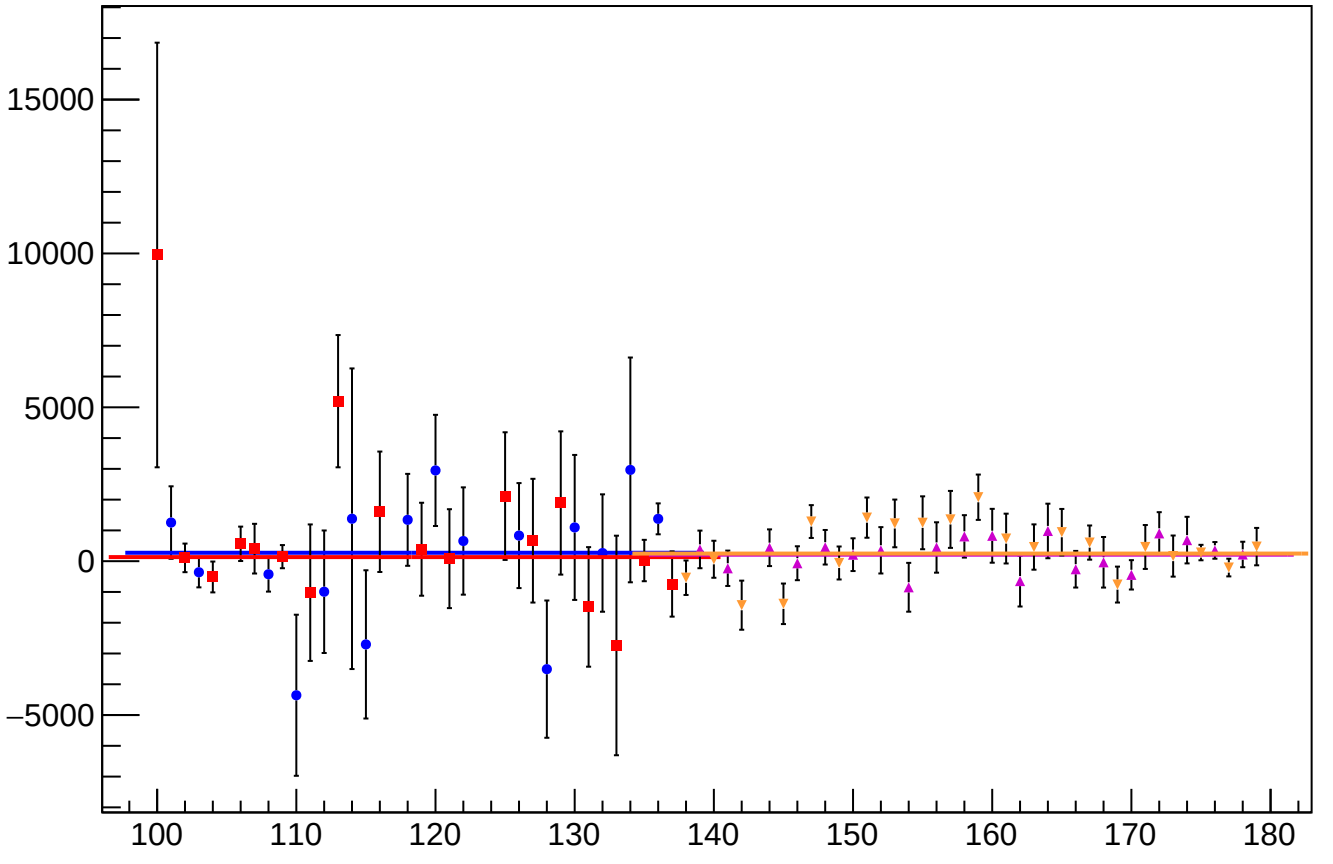
Right Out: 1434.321+/-0.386 χ^2/NDF: 328590.5/17

Left In: 1589.513+/-0.279 χ^2/NDF:108763.2/19

+ sign 1545.456+/-0.225 χ^2/NDF: 682919.3/36

All: 1540.890+/-0.159 χ^2/NDF: 1227526.3/74

- sign 1536.301+/-0.226 χ^2/NDF: 543783.1/37



Right In: 273.439+/-260.537 χ^2/NDF: 20.2/15

Left Out: 247.262+/-118.351 χ^2/NDF:38.0/20

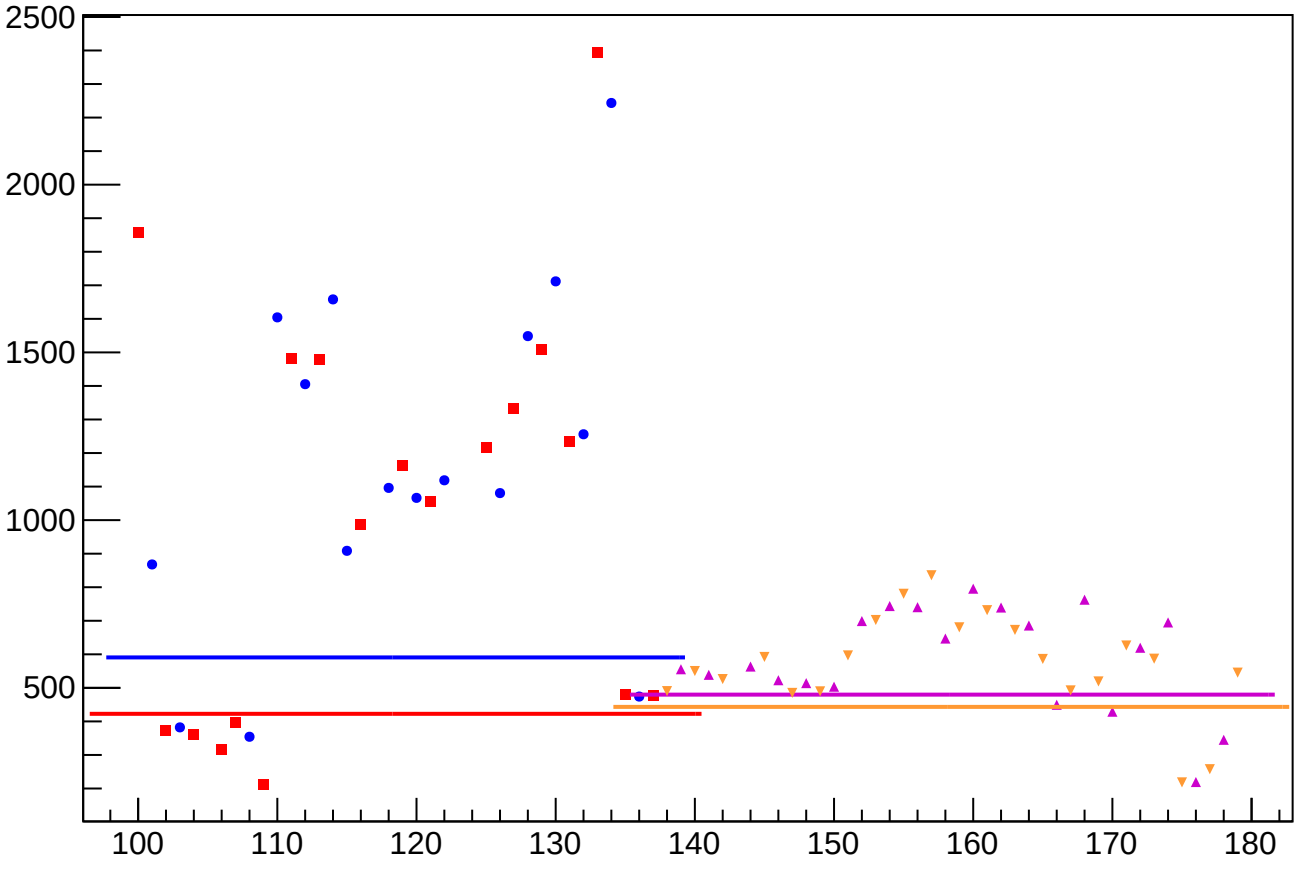
Right Out: 132.573+/-195.933 χ^2/NDF: 14.4/17

Left In: 210.437+/-127.514 χ^2/NDF:10.5/19

+ sign 251.739+/-107.755 χ^2/NDF: 58.2/36

All: 219.240+/-75.881 χ^2/NDF: 83.4/74

- sign 187.270+/-106.874 χ^2/NDF: 25.0/37



Right In: 590.749+/-0.184 χ^2/NDF: 3885502.1/15

Left Out: 443.312+/-0.084 χ^2/NDF:4729575.3/20

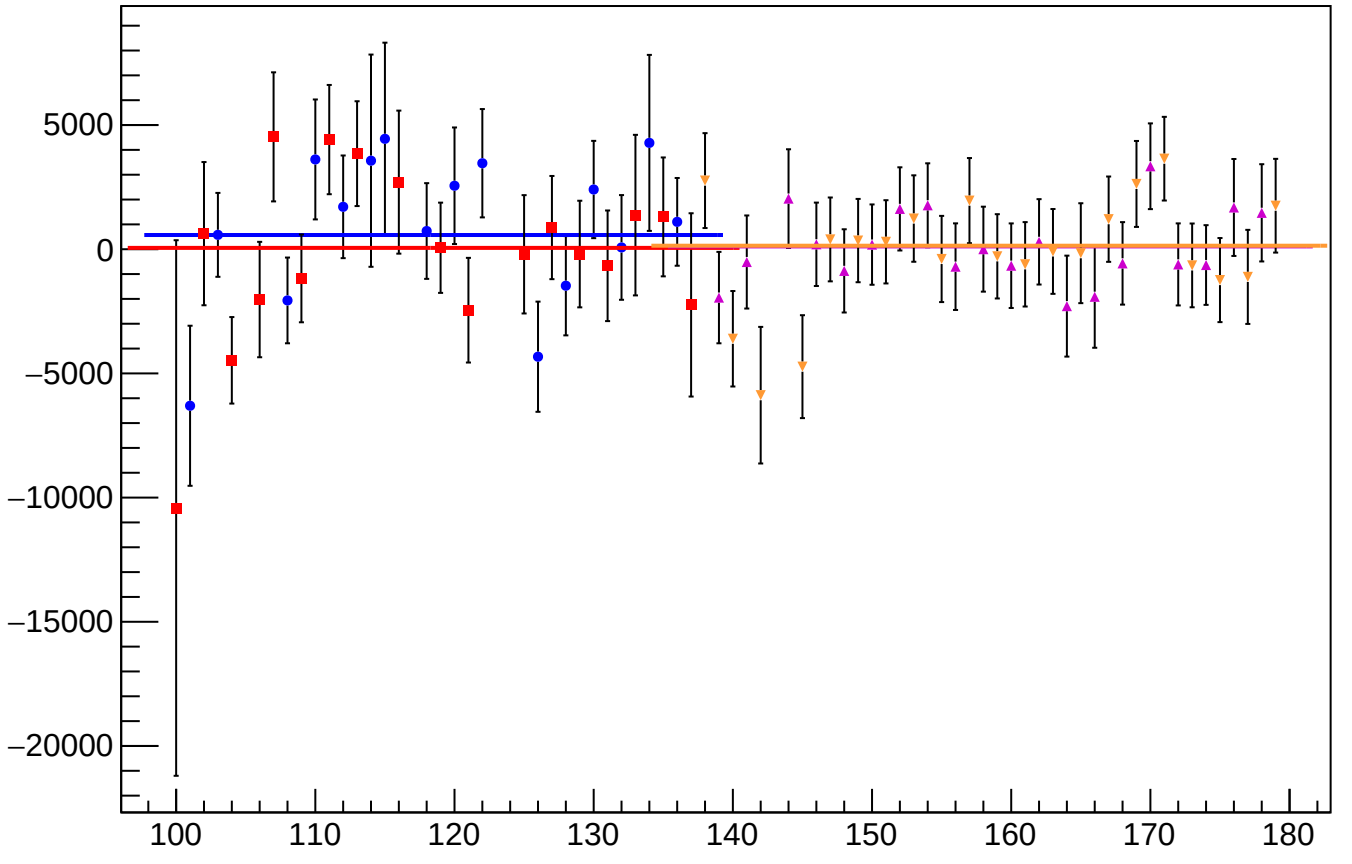
Right Out: 422.629+/-0.139 χ^2/NDF: 4858014.6/17

Left In: 479.848+/-0.090 χ^2/NDF:3960666.2/19

+ sign 468.531+/-0.076 χ^2/NDF: 9146002.4/36

All: 465.654+/-0.054 χ^2/NDF: 18087332.1/74

- sign 462.824+/-0.076 χ^2/NDF: 8938501.0/37



Right In: 572.290+/-549.638 χ^2/NDF: 20.8/15

Left Out: 141.443+/-390.896 χ^2/NDF:26.8/20

Right Out: 53.752+/-545.353 χ^2/NDF: 22.5/17

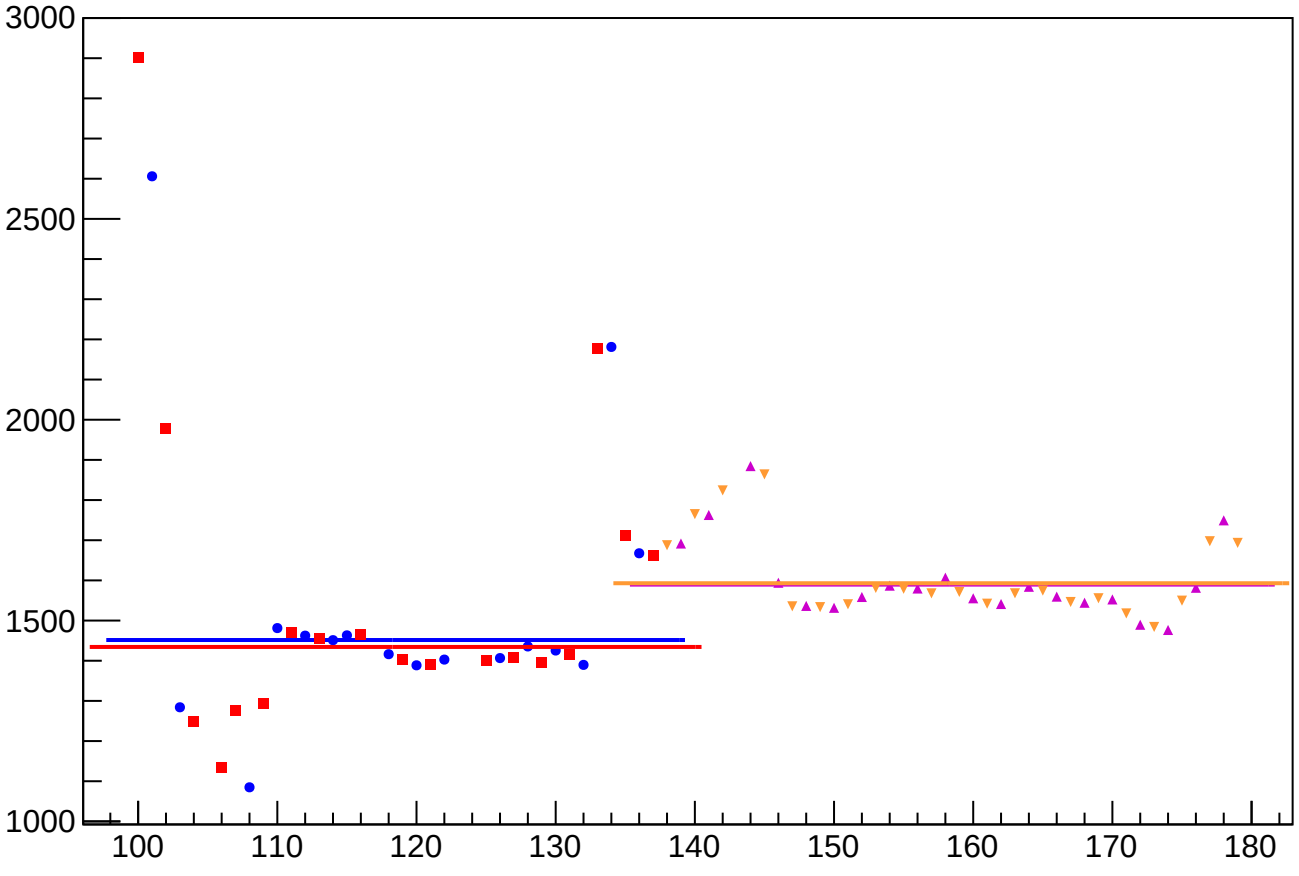
Left In: 112.520+/-393.935 χ^2/NDF:12.4/19

\+ sign 286.163+/-318.551 χ^2/NDF: 48.0/36

All: 189.505+/-225.527 χ^2/NDF: 83.1/74

\- sign 92.370+/-319.336 χ^2/NDF: 35.0/37

eigen_dit_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1451.579+/-0.389 χ^2/NDF: 487836.2/15

Left Out: 1592.938+/-0.276 χ^2/NDF:107229.0/20

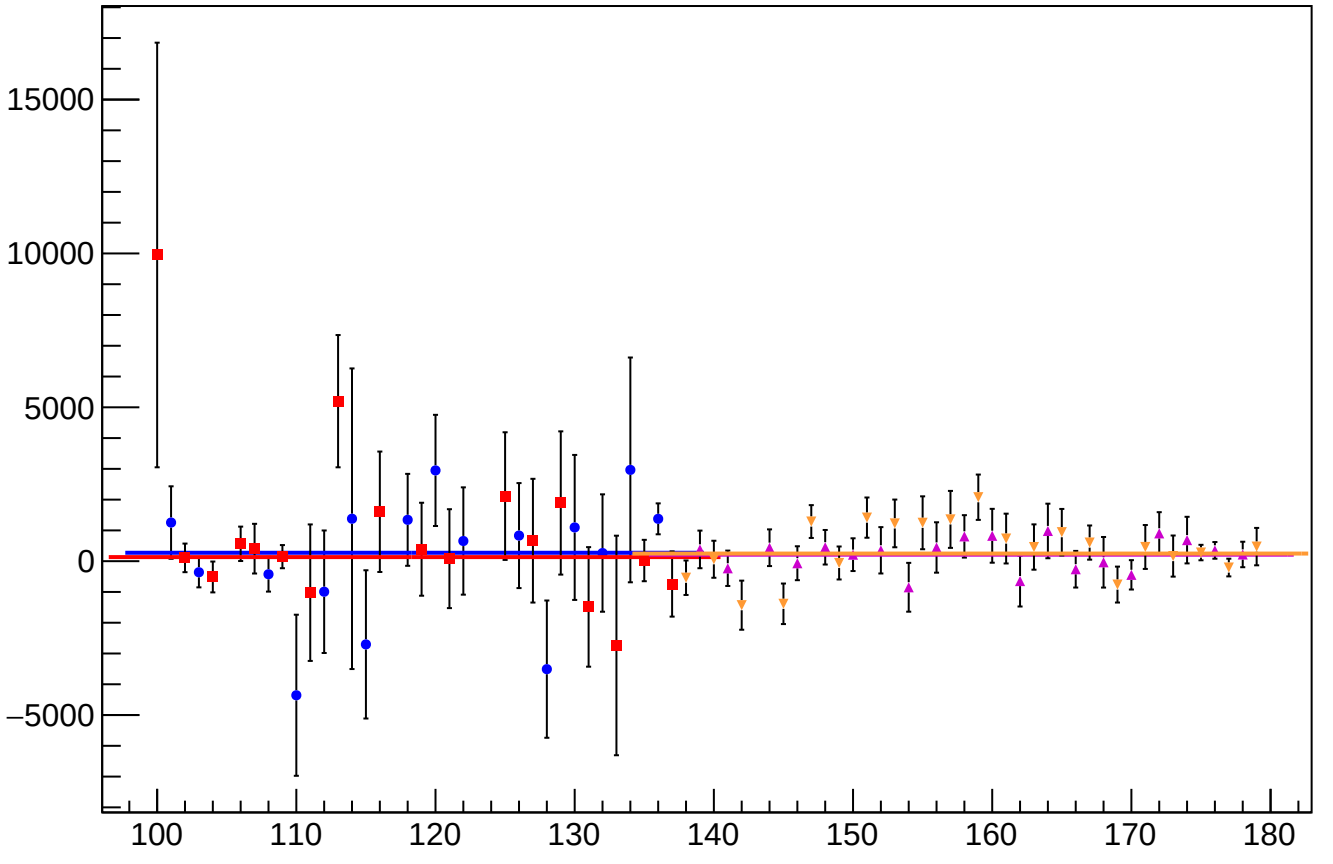
Right Out: 1434.321+/-0.386 χ^2/NDF: 328590.5/17

Left In: 1589.513+/-0.279 χ^2/NDF:108763.6/19

+ sign 1545.456+/-0.225 χ^2/NDF: 682919.0/36

All: 1540.890+/-0.159 χ^2/NDF: 1227526.3/74

- sign 1536.301+/-0.226 χ^2/NDF: 543783.3/37



Right In: 273.429+/-260.536 χ^2/NDF: 20.2/15

Left Out: 247.268+/-118.352 χ^2/NDF:38.0/20

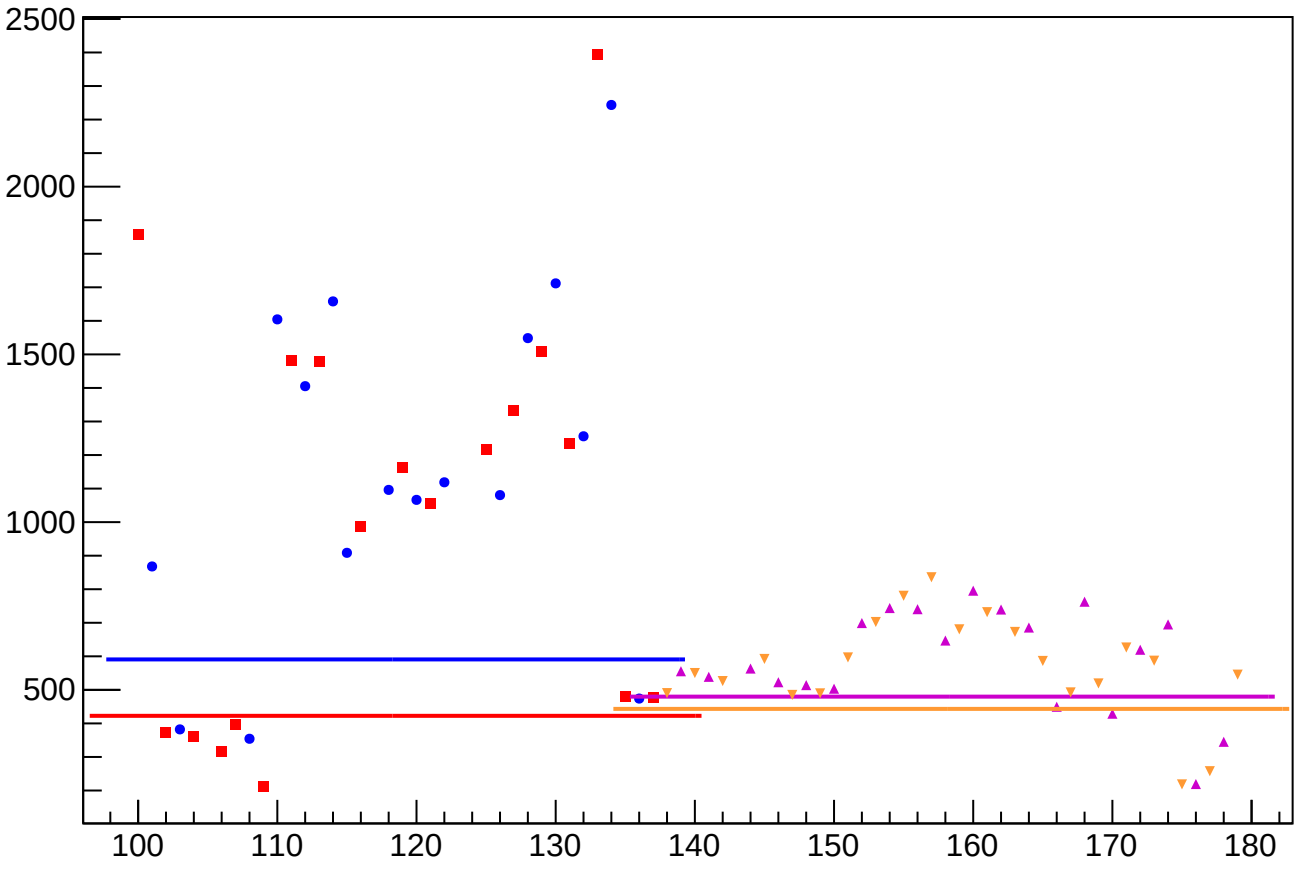
Right Out: 132.567+/-195.935 χ^2/NDF: 14.4/17

Left In: 210.437+/-127.515 χ^2/NDF:10.5/19

\+ sign 251.743+/-107.755 χ^2/NDF: 58.2/36

All: 219.241+/-75.881 χ^2/NDF: 83.4/74

\- sign 187.269+/-106.875 χ^2/NDF: 25.0/37



Right In: 590.747+/-0.184 χ^2/NDF: 3885530.6/15

Left Out: 443.315+/-0.084 χ^2/NDF:4729431.9/20

Right Out: 422.634+/-0.139 χ^2/NDF: 4857932.7/17

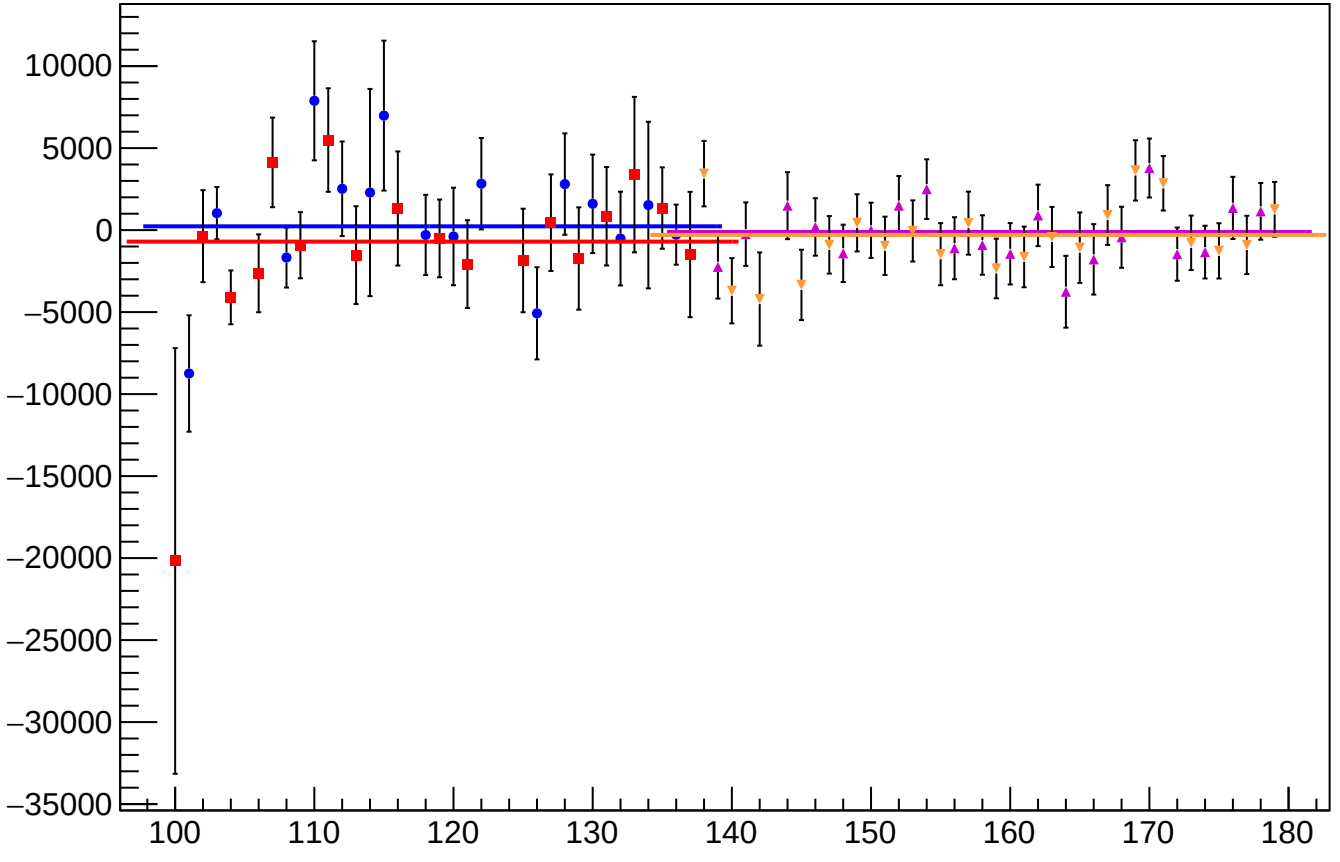
Left In: 479.851+/-0.090 χ^2/NDF:3960577.8/19

+ sign 468.535+/-0.076 χ^2/NDF: 9145846.6/36

All: 465.657+/-0.054 χ^2/NDF: 18086991.0/74

- sign 462.827+/-0.076 χ^2/NDF: 8938315.9/37

asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 230.761+/-666.241 χ^2/NDF: 20.7/15

Left Out: -292.641+/-404.520 χ^2/NDF:23.3/20

Right Out: -702.268+/-648.319 χ^2/NDF: 17.0/17

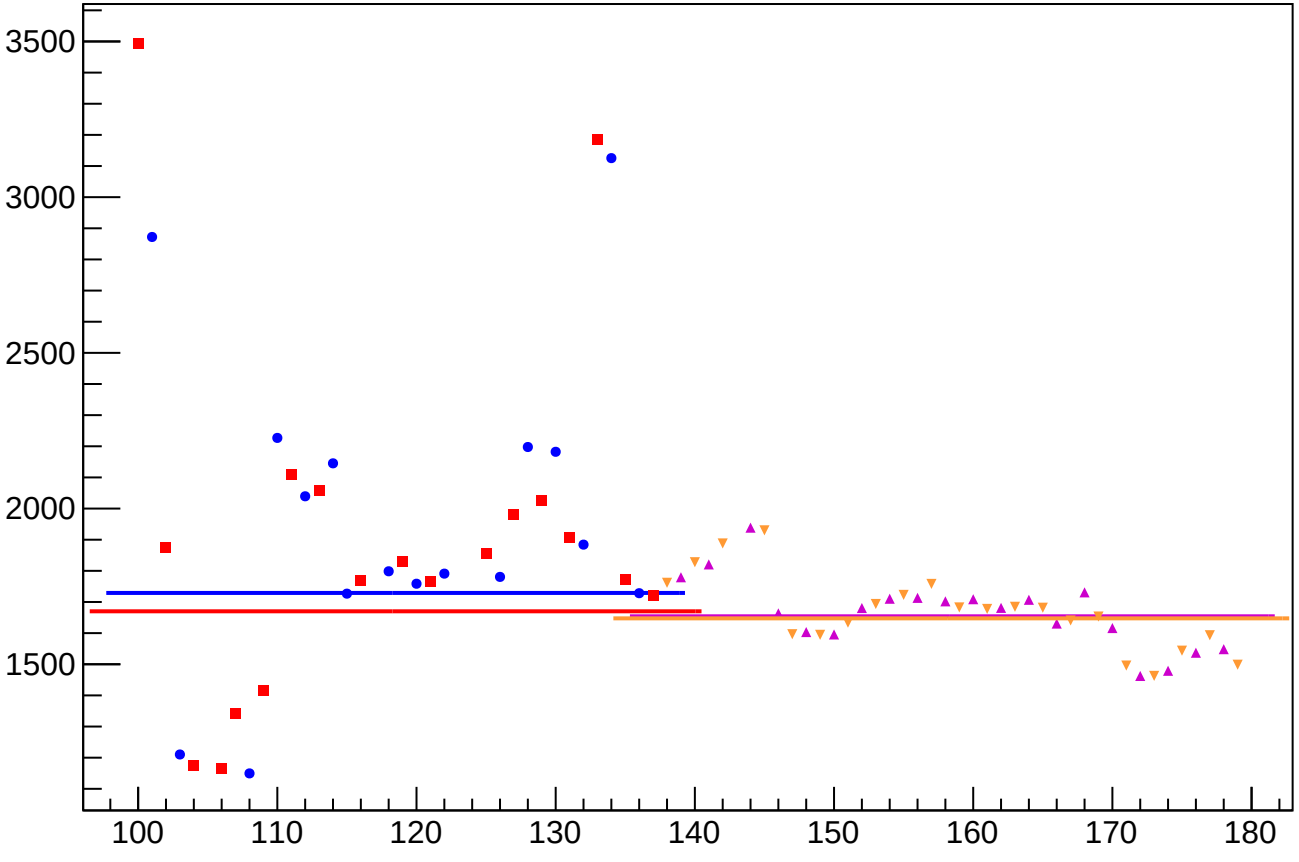
Left In: -115.611+/-410.105 χ^2/NDF:17.0/19

+ sign -151.660+/-345.775 χ^2/NDF: 44.5/36

All: -217.311+/-244.786 χ^2/NDF: 79.2/74

- sign -283.269+/-346.584 χ^2/NDF: 34.6/37

asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1729.050+/-0.471 χ^2/NDF: 942079.1/15

Left Out: 1647.413+/-0.286 χ^2/NDF:156096.1/20

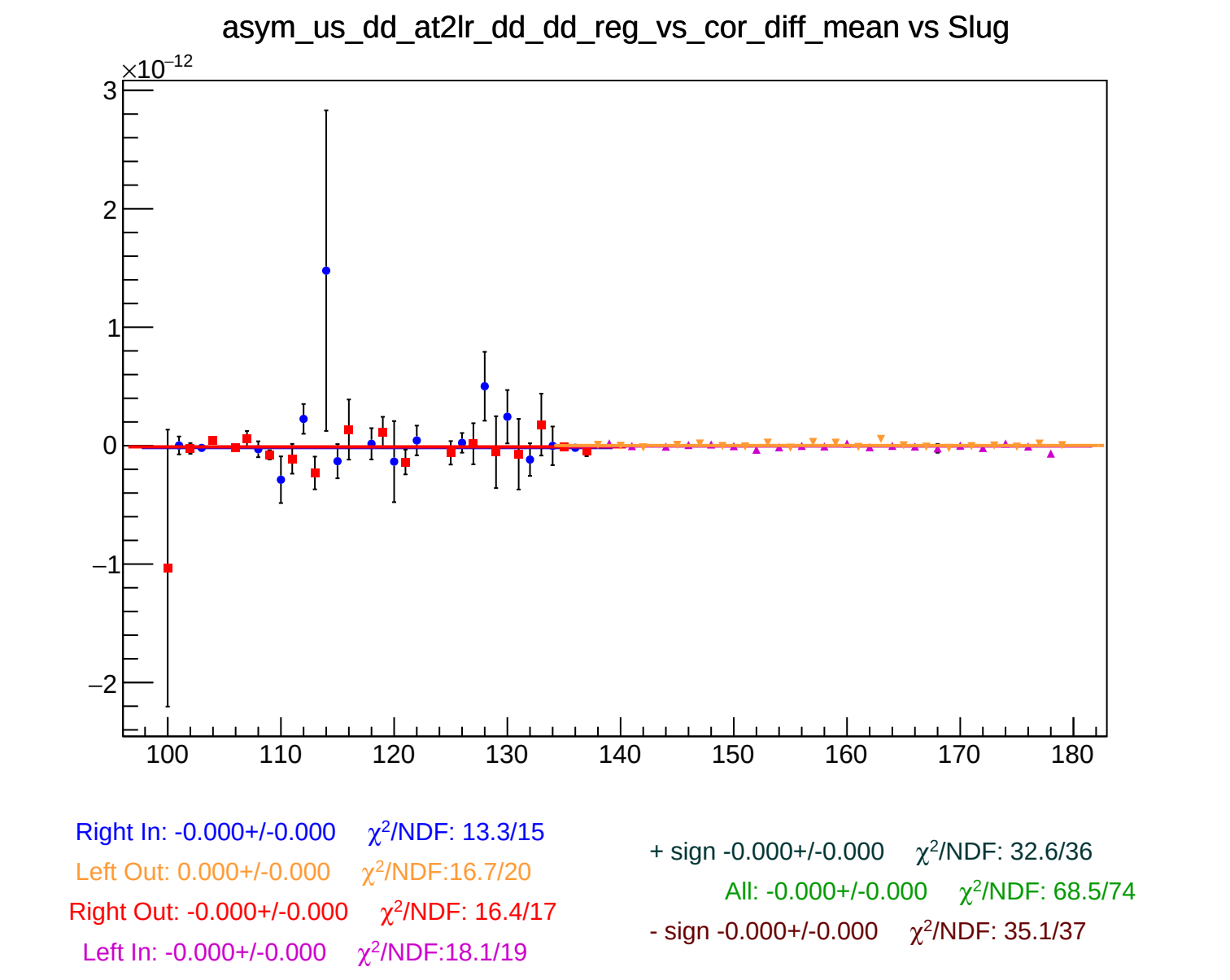
Right Out: 1670.056+/-0.458 χ^2/NDF: 744452.0/17

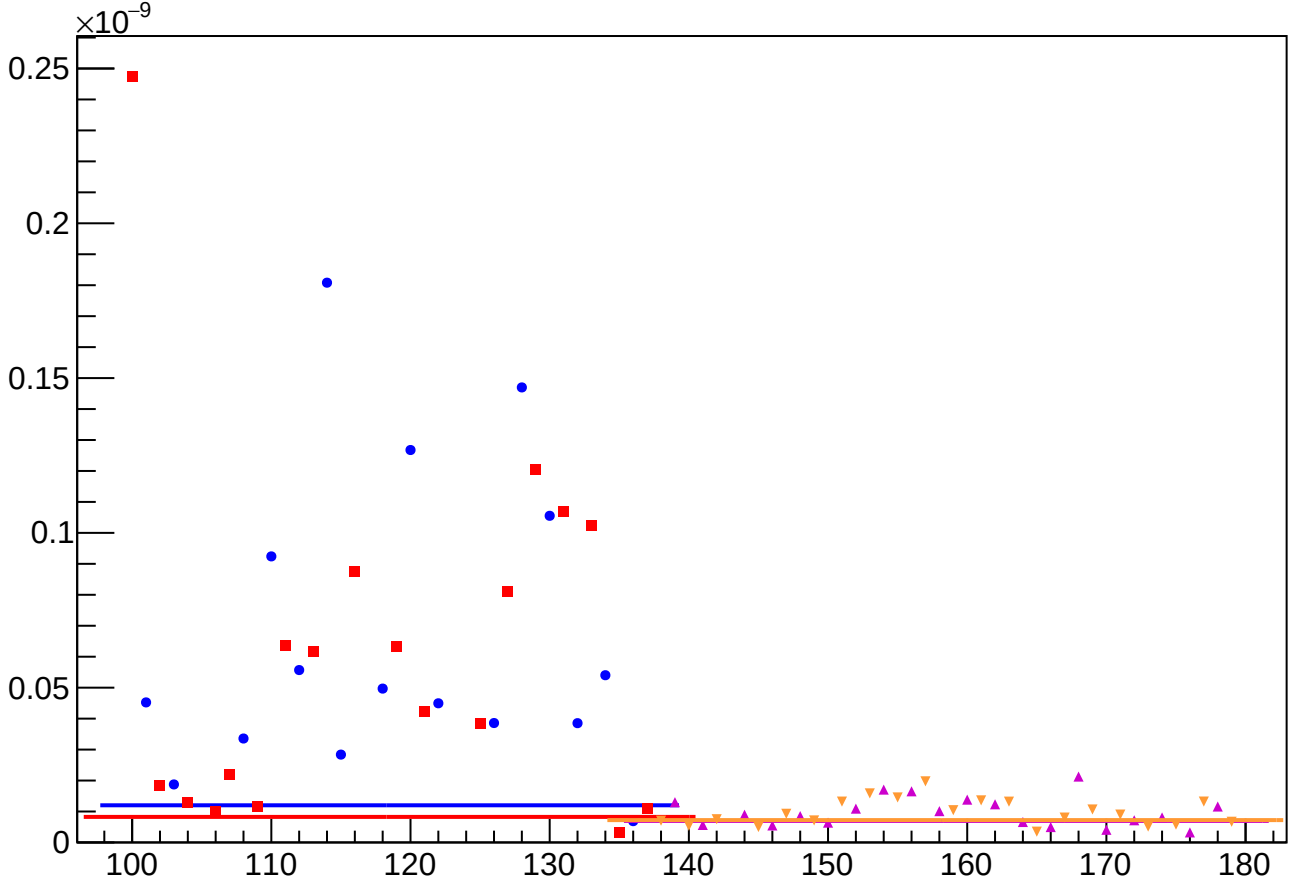
Left In: 1654.023+/-0.290 χ^2/NDF:146401.5/19

+ sign 1669.402+/-0.244 χ^2/NDF: 1120115.8/36

All: 1664.016+/-0.173 χ^2/NDF: 2012815.6/74

- sign 1658.605+/-0.245 χ^2/NDF: 891727.1/37


asym_us_dd_at2lr_dd_dd_reg_vs_cor_diff_mean vs Slug
×10^−12
3
2
1
0
−1
−2
100
110
120
130
140
150
160
170
180
Right In: -0.000+/-0.000 χ²/NDF: 13.3/15
Left Out: 0.000+/-0.000 χ²/NDF:16.7/20
Right Out: -0.000+/-0.000 χ²/NDF: 16.4/17
Left In: -0.000+/-0.000 χ²/NDF:18.1/19
+ sign -0.000+/-0.000 χ²/NDF: 32.6/36
All: -0.000+/-0.000 χ²/NDF: 68.5/74
- sign -0.000+/-0.000 χ²/NDF: 35.1/37



Right In: 0.000+/-0.000 χ^2/NDF: 3425893.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:2045721.1/20

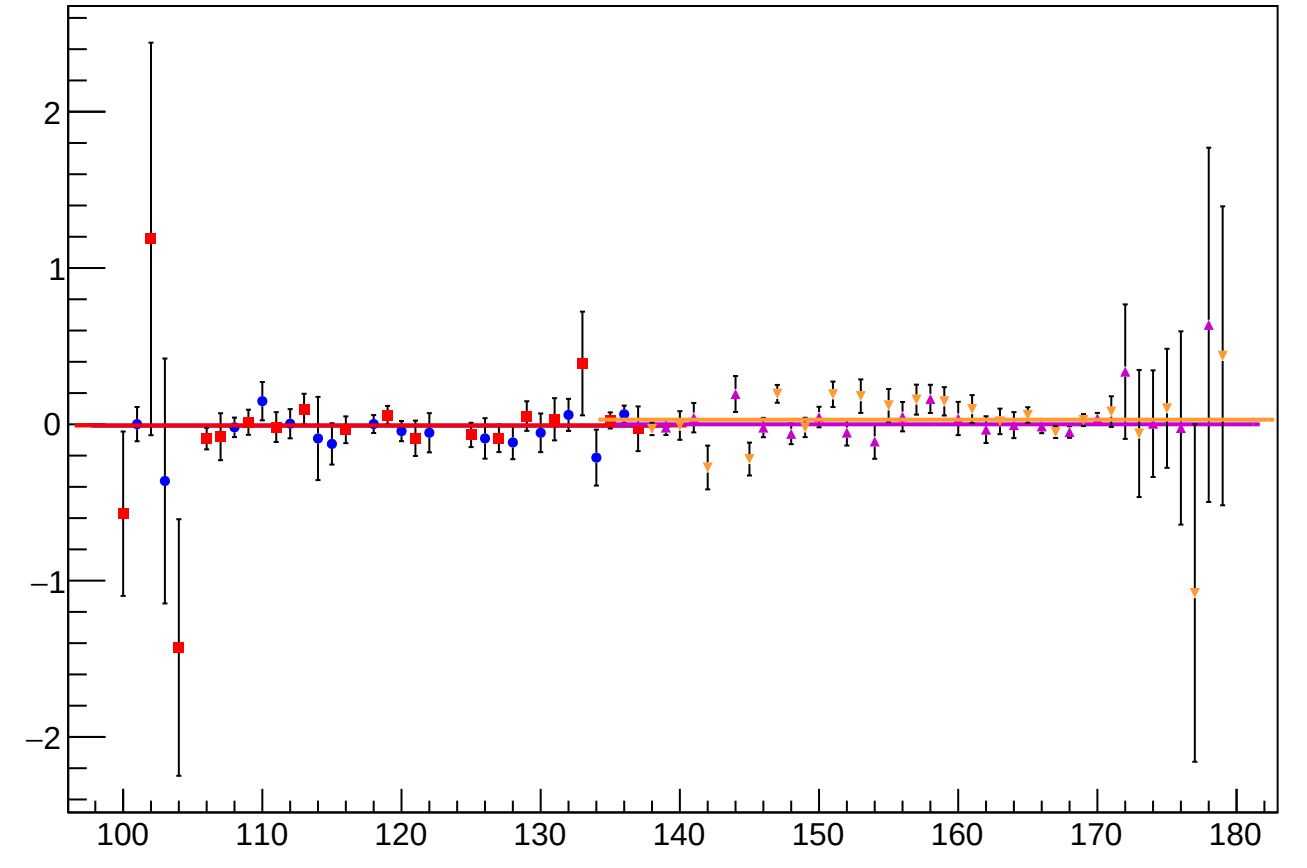
Right Out: 0.000+/-0.000 χ^2/NDF: 3510130.7/17

Left In: 0.000+/-0.000 χ^2/NDF:2335823.4/19

+ sign 0.000+/-0.000 χ^2/NDF: 5870732.1/36

All: 0.000+/-0.000 χ^2/NDF: 11789113.3/74

- sign 0.000+/-0.000 χ^2/NDF: 5886138.0/37



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: 0.030+/-0.015 χ^2/NDF:38.8/20

Right Out: -0.007+/-0.022 χ^2/NDF: 13.7/17

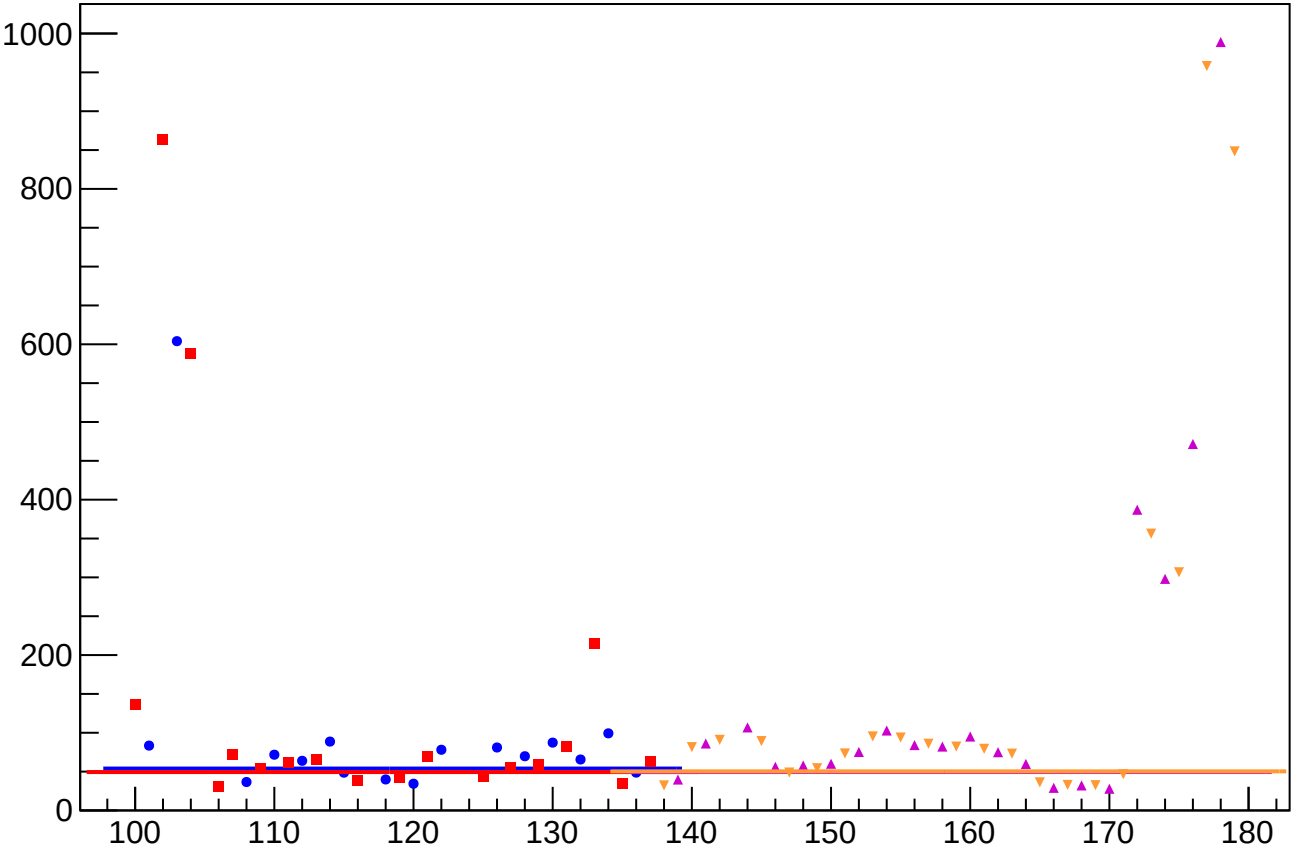
Left In: 0.000+/-0.015 χ^2/NDF:13.9/19

+ sign 0.018+/-0.013 χ^2/NDF: 49.0/36

All: 0.008+/-0.009 χ^2/NDF: 77.9/74

- sign -0.002+/-0.013 χ^2/NDF: 27.6/37

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_rms vs Slug



Right In: 53.926+/-0.016 χ^2/NDF: 2214348.1/15

Left Out: 50.314+/-0.011 χ^2/NDF:8687036.8/20

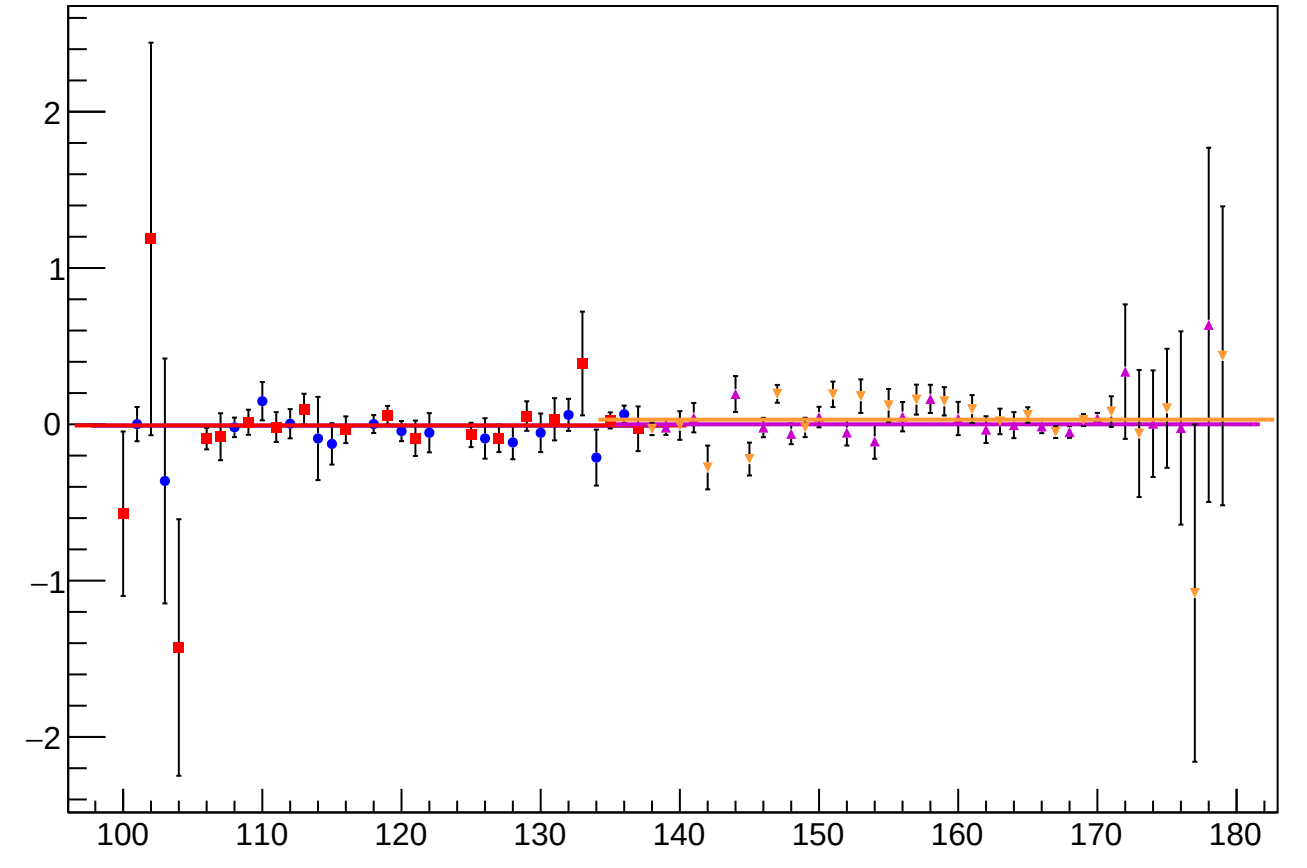
Right Out: 49.420+/-0.016 χ^2/NDF: 3017719.3/17

Left In: 49.461+/-0.011 χ^2/NDF:9003123.3/19

\+ sign 51.433+/-0.009 χ^2/NDF: 10935107.6/36

All: 50.419+/-0.006 χ^2/NDF: 22980301.9/74

\- sign 49.448+/-0.009 χ^2/NDF: 12020847.2/37



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: 0.030+/-0.015 χ^2/NDF:38.8/20

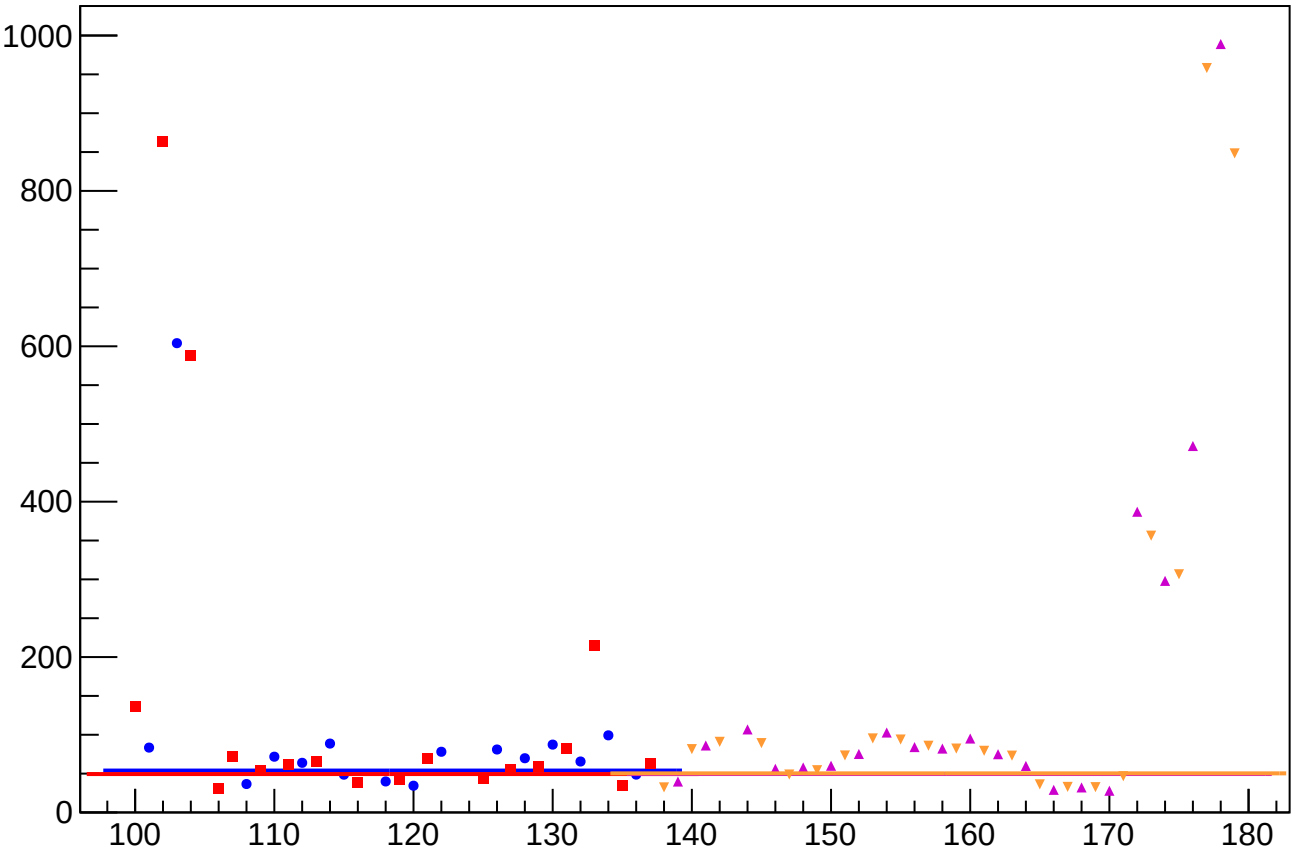
Right Out: -0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: 0.000+/-0.015 χ^2/NDF:13.9/19

+ sign 0.018+/-0.013 χ^2/NDF: 49.0/36

All: 0.008+/-0.009 χ^2/NDF: 77.9/74

- sign -0.002+/-0.013 χ^2/NDF: 27.6/37



Right In: 53.926+/-0.016 χ^2/NDF: 2214348.1/15

Left Out: 50.314+/-0.011 χ^2/NDF:8687036.8/20

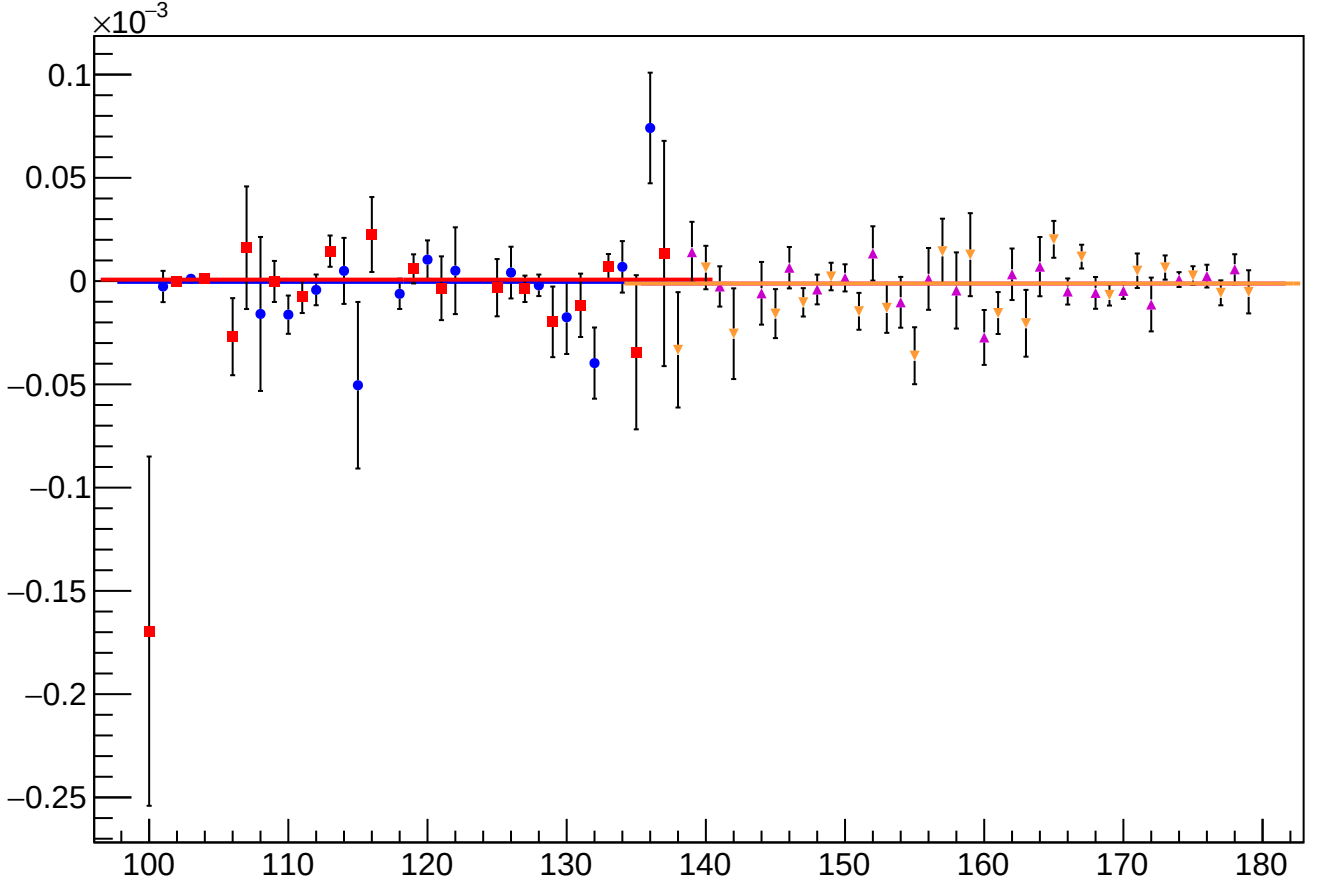
Right Out: 49.420+/-0.016 χ^2/NDF: 3017719.3/17

Left In: 49.461+/-0.011 χ^2/NDF:9003123.3/19

\+ sign 51.433+/-0.009 χ^2/NDF: 10935107.6/36

All: 50.419+/-0.006 χ^2/NDF: 22980301.9/74

\- sign 49.448+/-0.009 χ^2/NDF: 12020847.2/37



Right In: -0.000+/-0.000 χ^2/NDF: 22.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:36.9/20

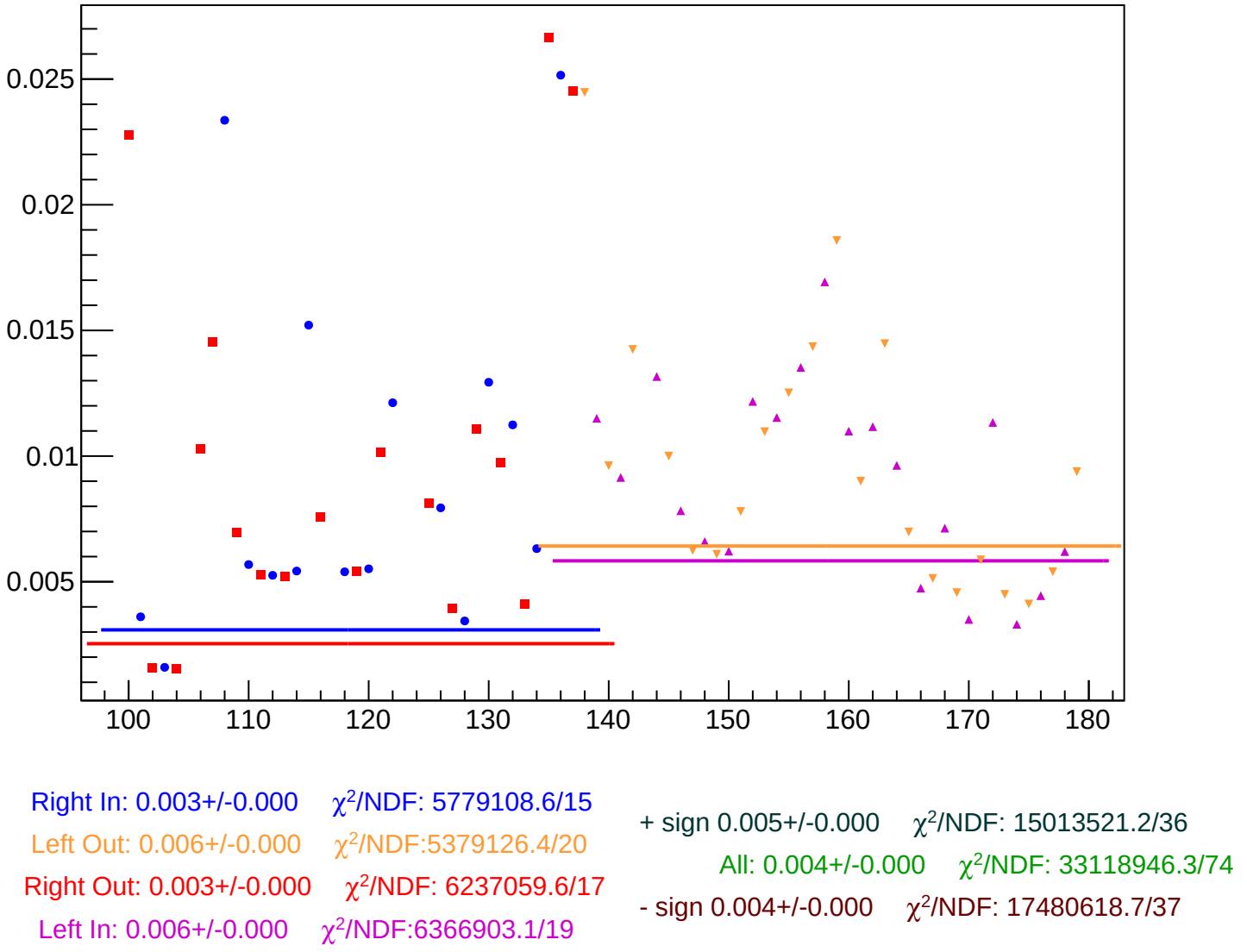
Right Out: 0.000+/-0.000 χ^2/NDF: 17.8/17

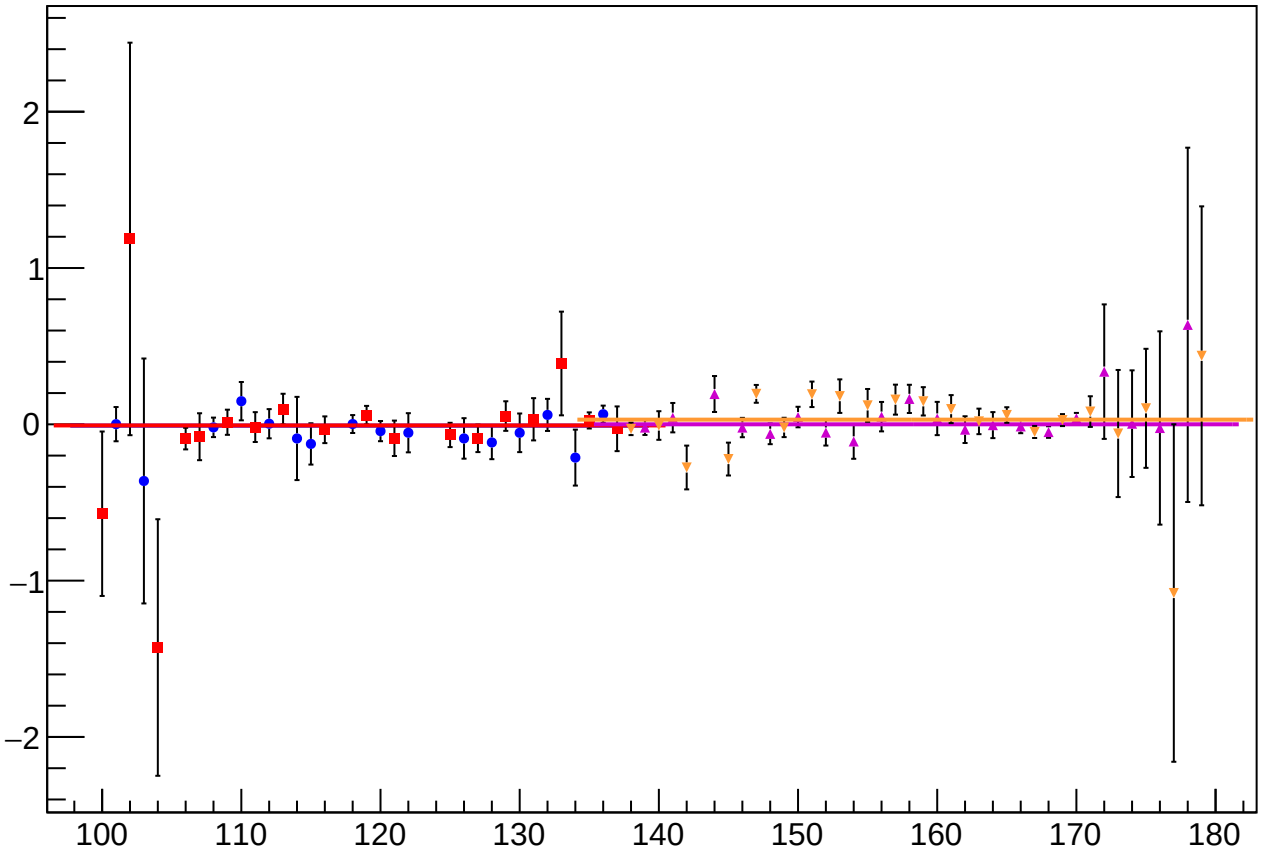
Left In: -0.000+/-0.000 χ^2/NDF:12.0/19

+ sign -0.000+/-0.000 χ^2/NDF: 59.1/36

All: -0.000+/-0.000 χ^2/NDF: 90.0/74

- sign 0.000+/-0.000 χ^2/NDF: 30.7/37


asym_us_dd_at2lr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.025
0.02
0.015
0.01
0.005
100
110
120
130
140
150
160
170
180
Right In: 0.003+/-0.000 χ²/NDF: 5779108.6/15
Left Out: 0.006+/-0.000 χ²/NDF:5379126.4/20
Right Out: 0.003+/-0.000 χ²/NDF: 6237059.6/17
Left In: 0.006+/-0.000 χ²/NDF:6366903.1/19
+ sign 0.005+/-0.000 χ²/NDF: 15013521.2/36
All: 0.004+/-0.000 χ²/NDF: 33118946.3/74
- sign 0.004+/-0.000 χ²/NDF: 17480618.7/37



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: 0.030+/-0.015 χ^2/NDF:38.8/20

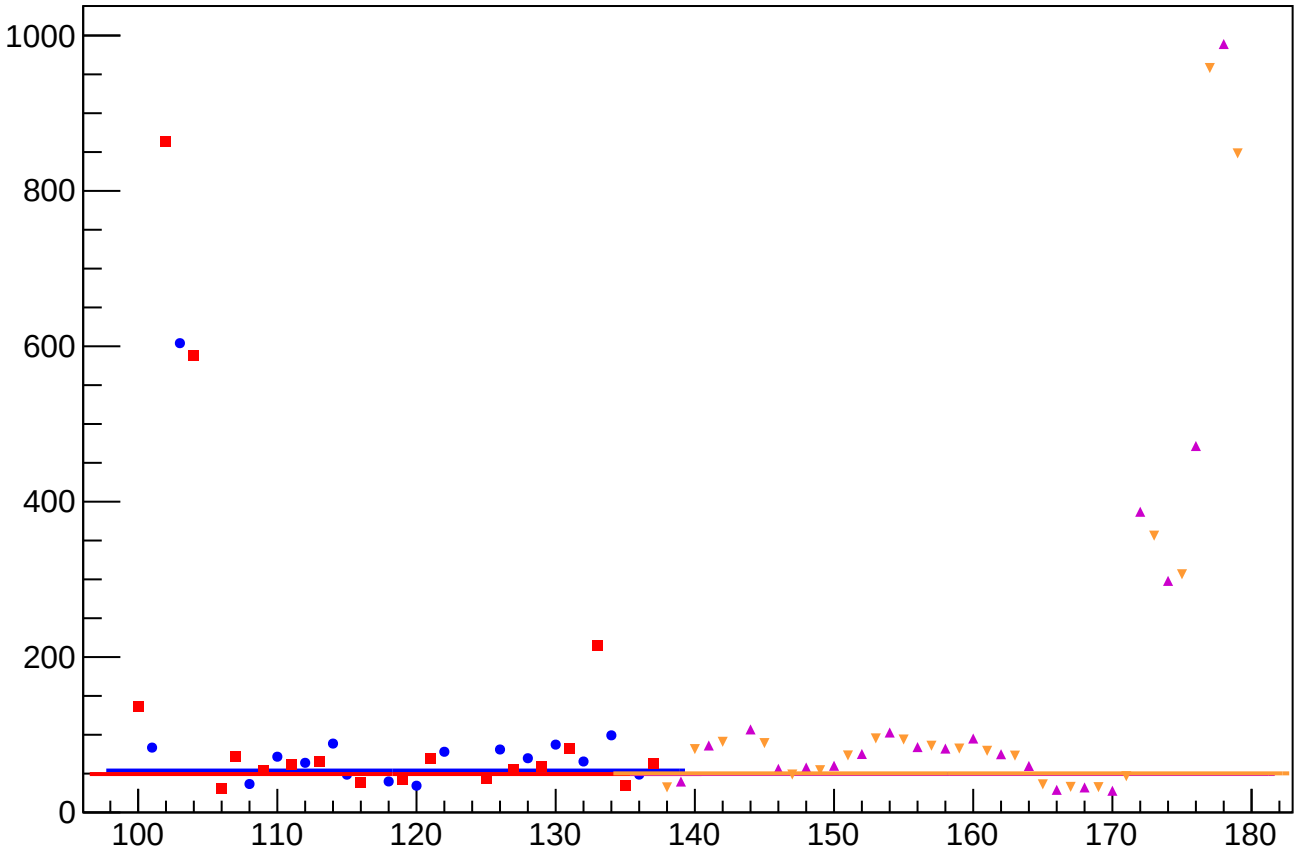
Right Out: -0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: 0.000+/-0.015 χ^2/NDF:13.9/19

+ sign 0.018+/-0.013 χ^2/NDF: 49.0/36

All: 0.008+/-0.009 χ^2/NDF: 77.9/74

- sign -0.002+/-0.013 χ^2/NDF: 27.6/37



Right In: 53.929+/-0.016 χ^2/NDF: 2213950.2/15

Left Out: 50.316+/-0.011 χ^2/NDF:8686233.4/20

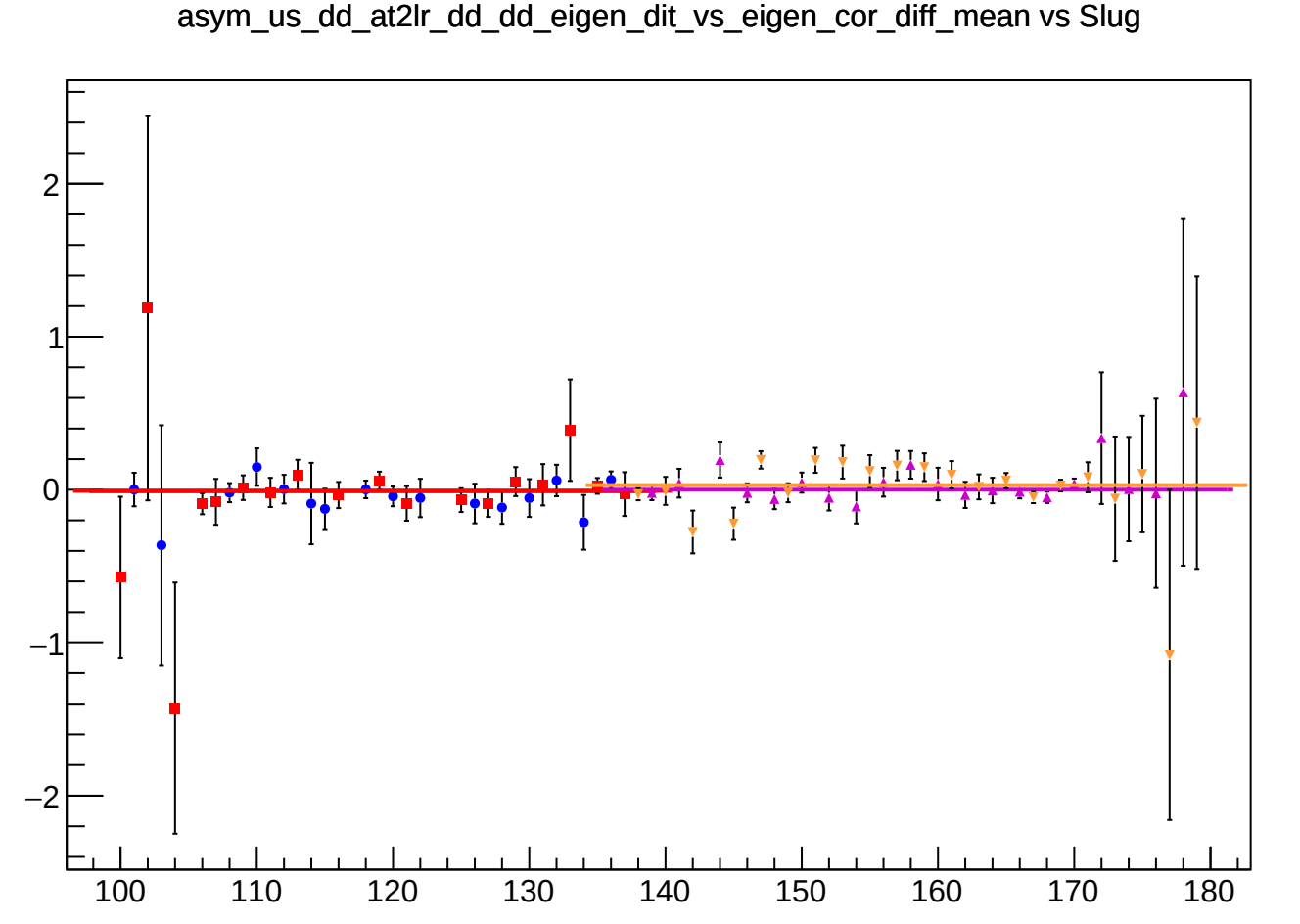
Right Out: 49.422+/-0.016 χ^2/NDF: 3017440.2/17

Left In: 49.461+/-0.011 χ^2/NDF:9003064.3/19

\+ sign 51.436+/-0.009 χ^2/NDF: 10933921.2/36

All: 50.421+/-0.006 χ^2/NDF: 22978824.3/74

\- sign 49.448+/-0.009 χ^2/NDF: 12020508.8/37



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: 0.030+/-0.015 χ^2/NDF:38.8/20

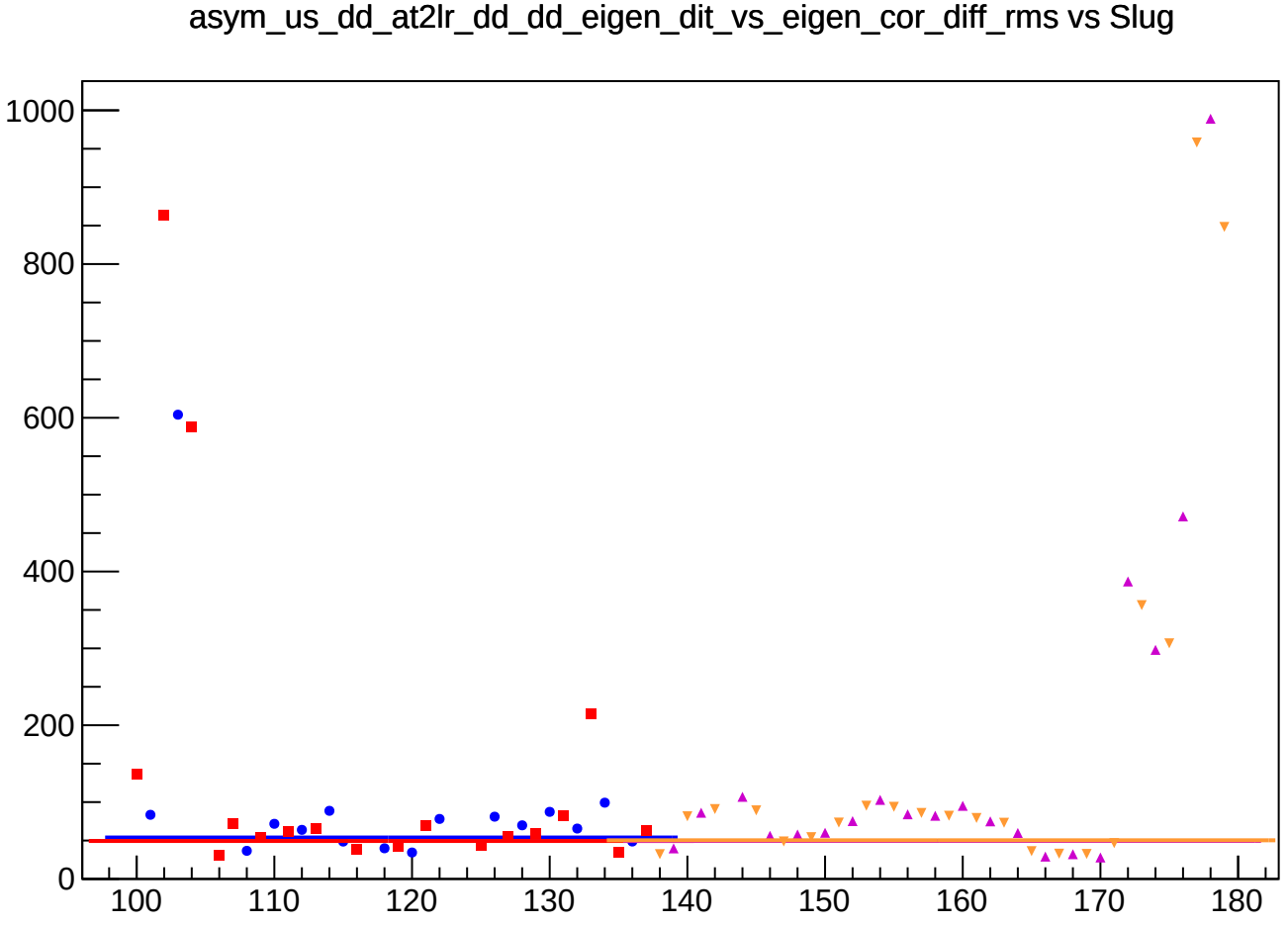
Right Out: -0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: 0.000+/-0.015 χ^2/NDF:13.9/19

+ sign 0.018+/-0.013 χ^2/NDF: 49.0/36

All: 0.008+/-0.009 χ^2/NDF: 77.9/74

- sign -0.002+/-0.013 χ^2/NDF: 27.6/37



Right In: 53.929+/-0.016 χ^2/NDF: 2213950.2/15

Left Out: 50.316+/-0.011 χ^2/NDF:8686233.4/20

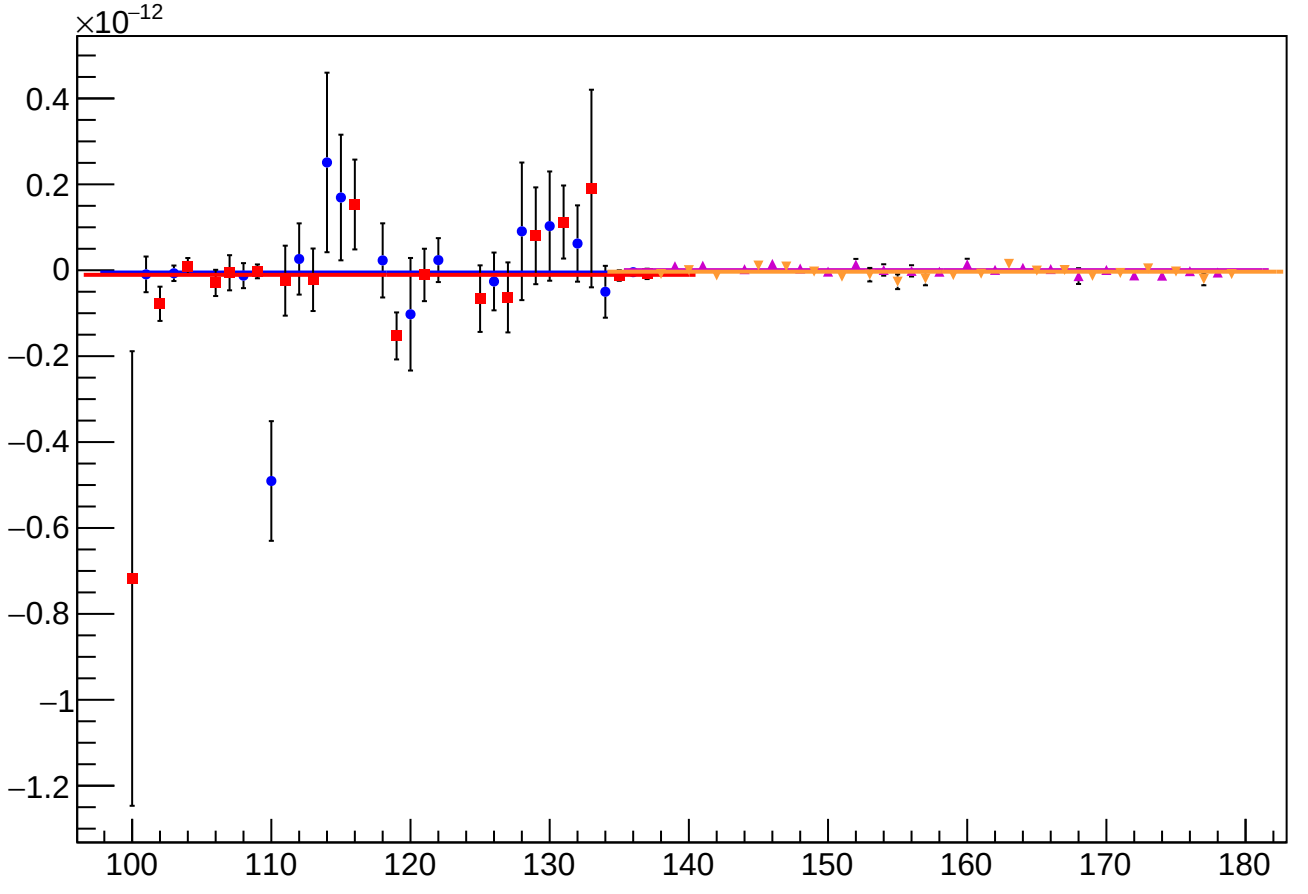
Right Out: 49.422+/-0.016 χ^2/NDF: 3017440.2/17

Left In: 49.461+/-0.011 χ^2/NDF:9003064.3/19

\+ sign 51.436+/-0.009 χ^2/NDF: 10933921.2/36

All: 50.421+/-0.006 χ^2/NDF: 22978824.3/74

\- sign 49.448+/-0.009 χ^2/NDF: 12020508.8/37



Right In: -0.000+/-0.000 χ^2/NDF: 18.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.2/20

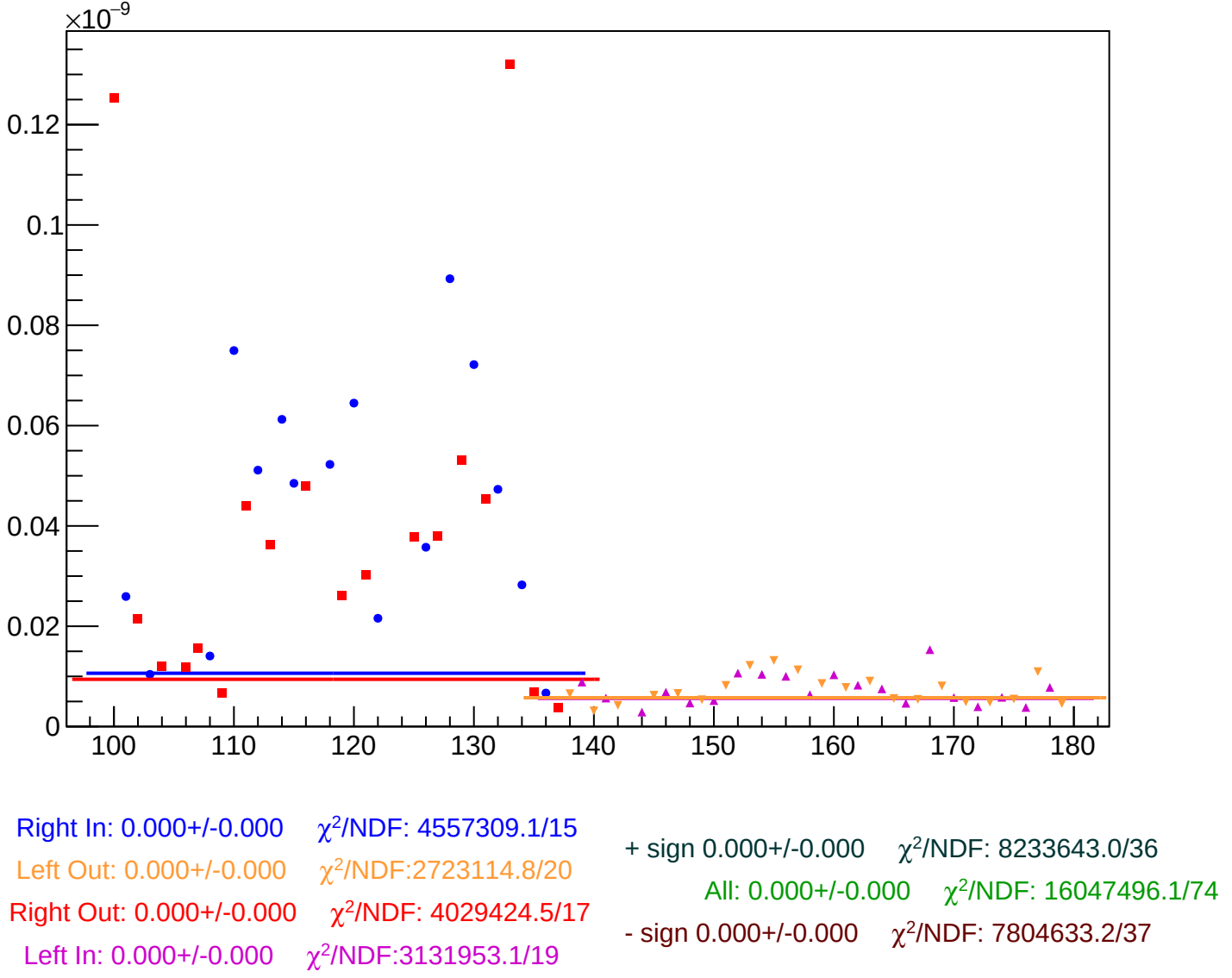
Right Out: -0.000+/-0.000 χ^2/NDF: 20.1/17

Left In: 0.000+/-0.000 χ^2/NDF:17.4/19

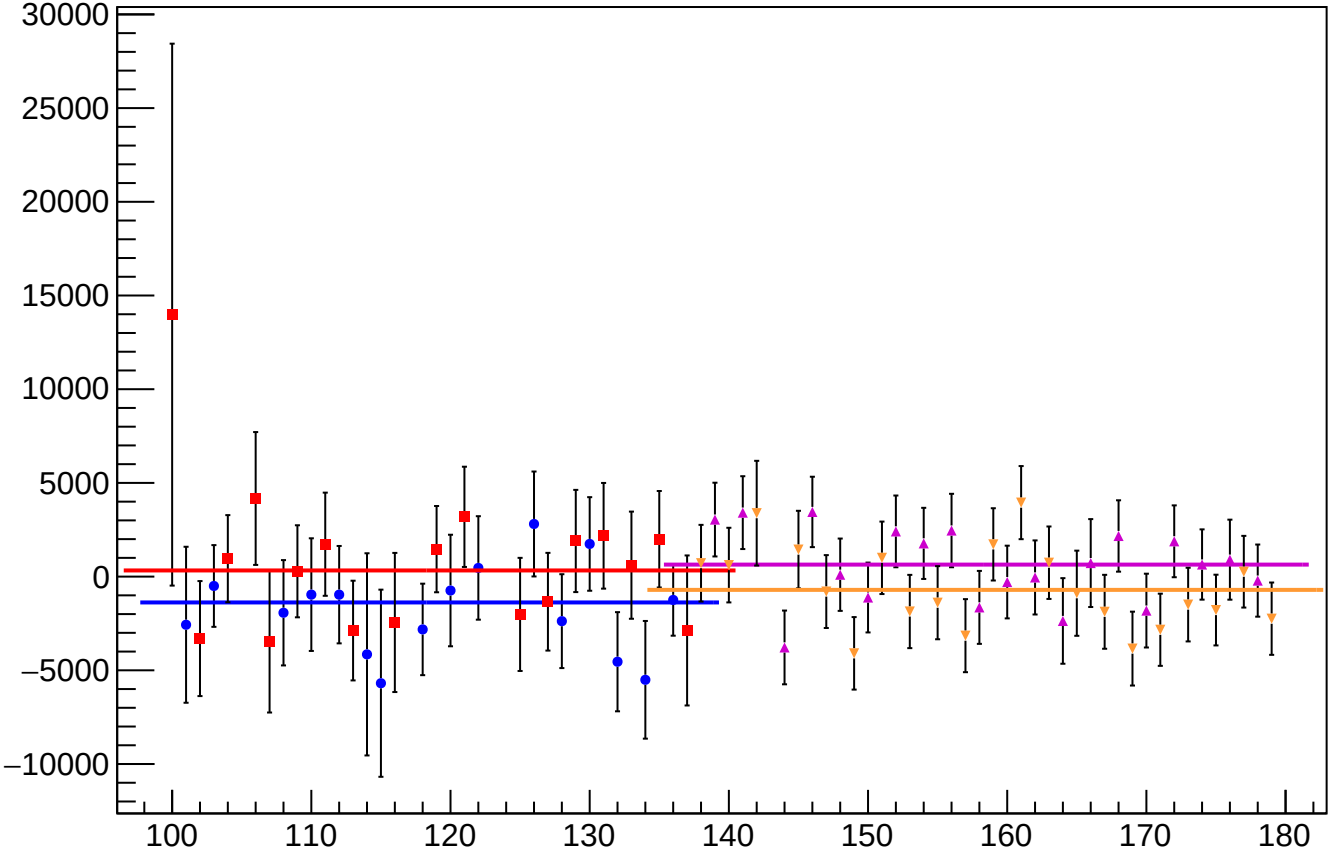
+ sign -0.000+/-0.000 χ^2/NDF: 37.9/36

All: -0.000+/-0.000 χ^2/NDF: 79.4/74

- sign -0.000+/-0.000 χ^2/NDF: 40.1/37


asym_us_dd_at2lr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 4557309.1/15
Left Out: 0.000+/-0.000 χ²/NDF:2723114.8/20
Right Out: 0.000+/-0.000 χ²/NDF: 4029424.5/17
Left In: 0.000+/-0.000 χ²/NDF:3131953.1/19
+ sign 0.000+/-0.000 χ²/NDF: 8233643.0/36
All: 0.000+/-0.000 χ²/NDF: 16047496.1/74
- sign 0.000+/-0.000 χ²/NDF: 7804633.2/37

reg_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -1378.758+/-689.030 χ^2/NDF: 9.3/15

Left Out: -708.022+/-434.431 χ^2/NDF:23.4/20

Right Out: 328.770+/-683.888 χ^2/NDF: 11.0/17

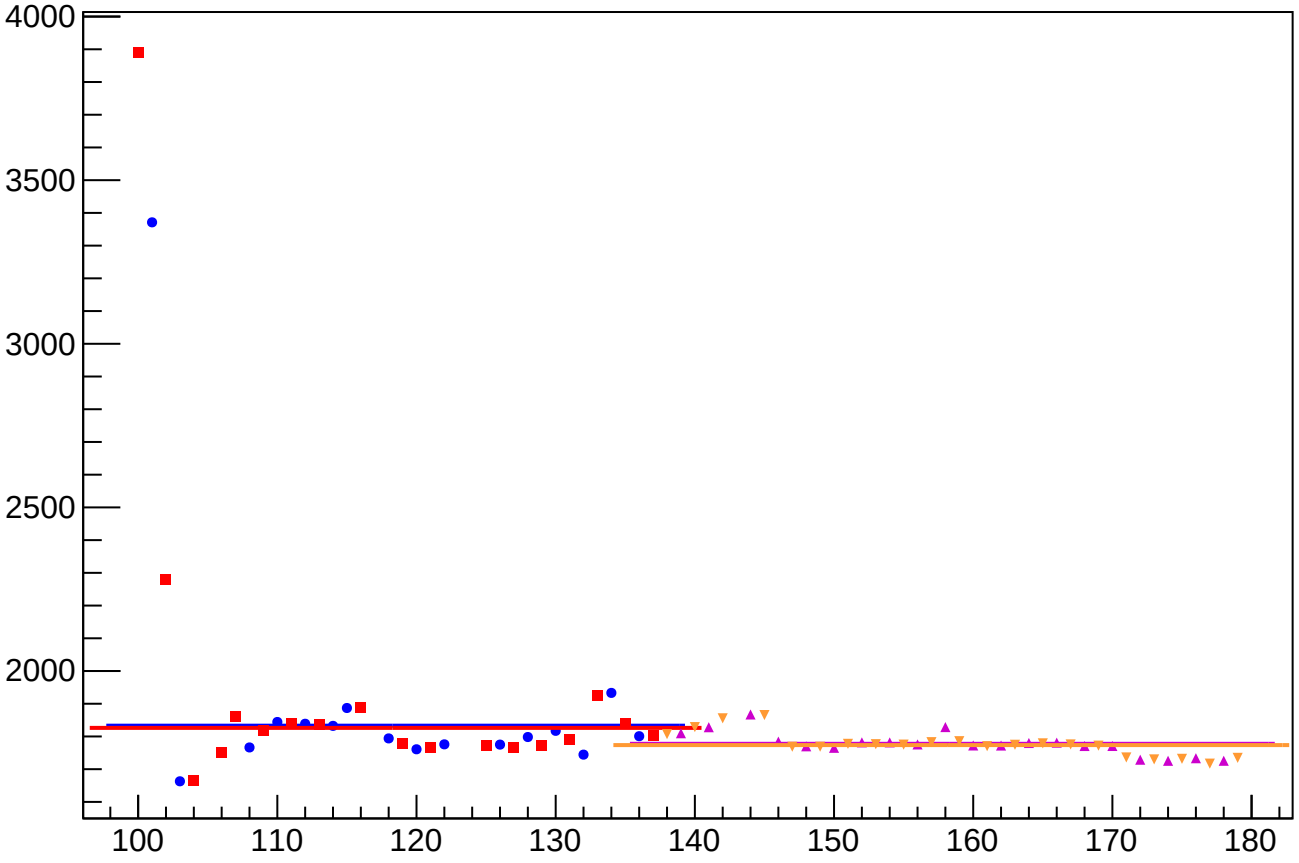
Left In: 640.594+/-439.746 χ^2/NDF:20.1/19

+ sign -898.813+/-367.486 χ^2/NDF: 33.3/36

All: -179.417+/-260.694 χ^2/NDF: 72.4/74

- sign 549.380+/-369.880 χ^2/NDF: 31.3/37

reg_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1832.947+/-0.487 χ^2/NDF: 295439.4/15

Left Out: 1773.629+/-0.307 χ^2/NDF:13210.2/20

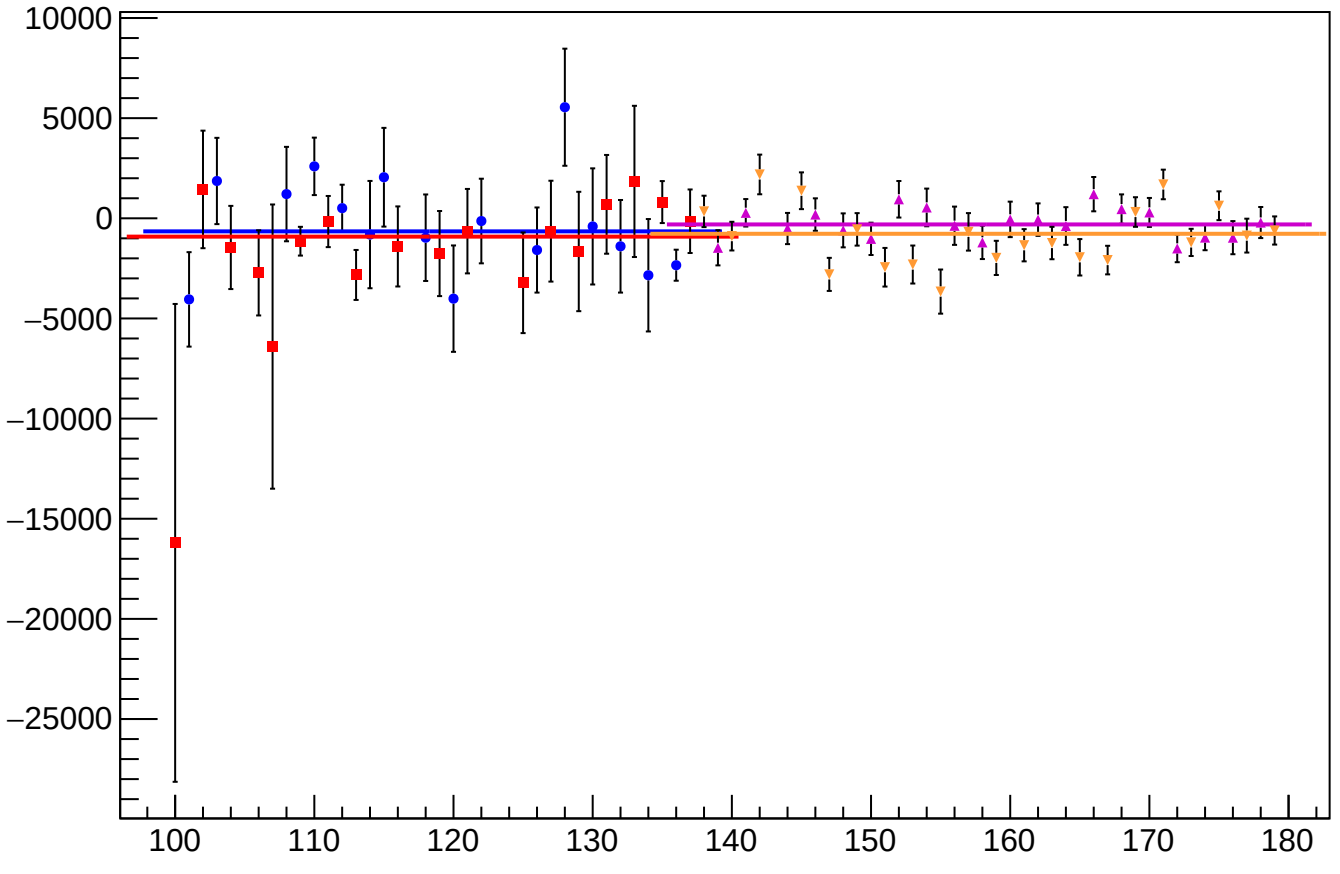
Right Out: 1826.208+/-0.484 χ^2/NDF: 103006.6/17

Left In: 1777.556+/-0.311 χ^2/NDF:12793.7/19

+ sign 1790.502+/-0.260 χ^2/NDF: 319255.8/36

All: 1791.141+/-0.184 χ^2/NDF: 442229.2/74

- sign 1791.788+/-0.262 χ^2/NDF: 122961.2/37



Right In: -651.944+/-442.135 χ^2/NDF: 23.2/15

Left Out: -773.283+/-177.503 χ^2/NDF:60.5/20

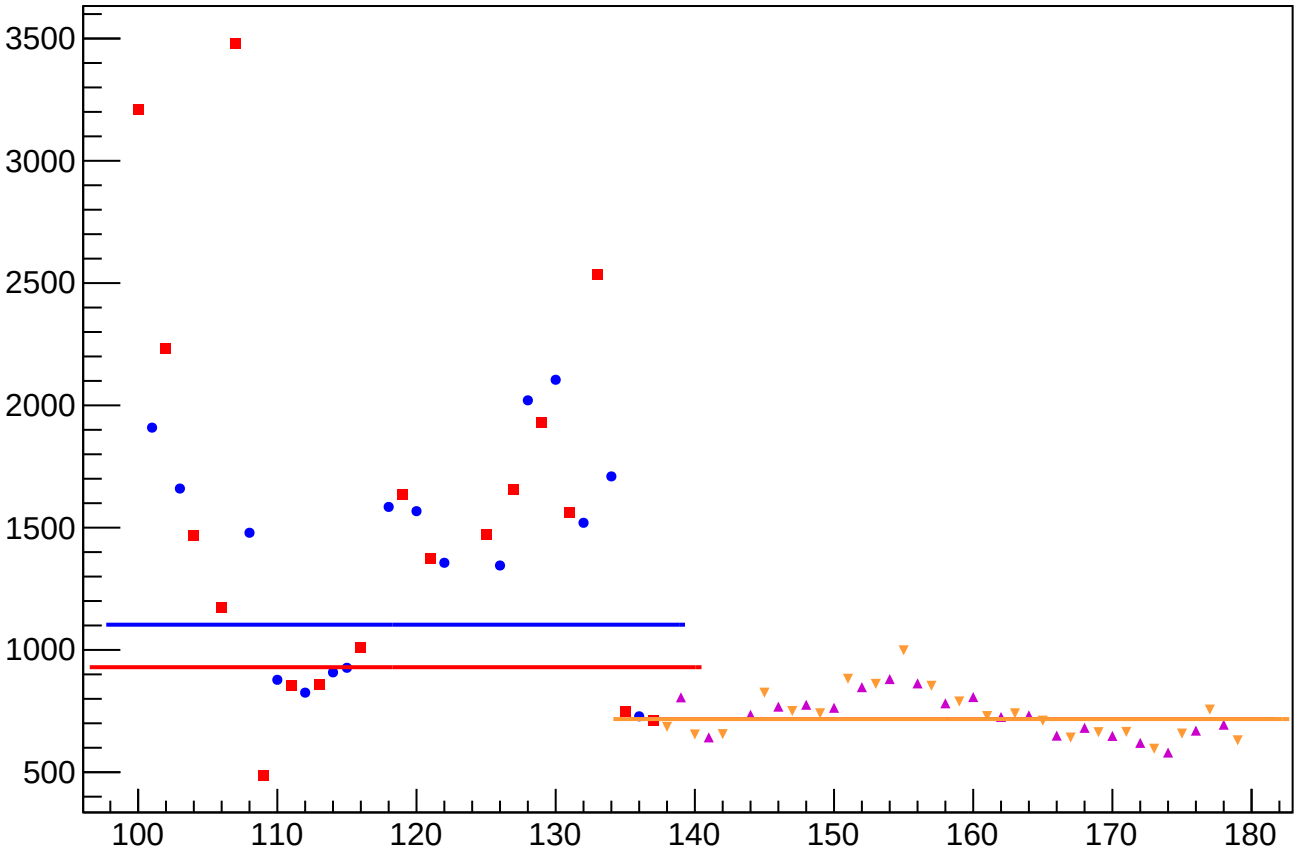
Right Out: -914.717+/-393.421 χ^2/NDF: 11.5/17

Left In: -305.958+/-179.091 χ^2/NDF:17.5/19

+ sign -756.441+/-164.724 χ^2/NDF: 83.8/36

All: -581.624+/-115.862 χ^2/NDF: 117.1/74

- sign -410.452+/-162.998 χ^2/NDF: 31.0/37



Right In: 1103.183+/-0.313 χ^2/NDF: 1878176.1/15

Left Out: 717.280+/-0.126 χ^2/NDF:507570.2/20

Right Out: 929.356+/-0.278 χ^2/NDF: 3054092.4/17

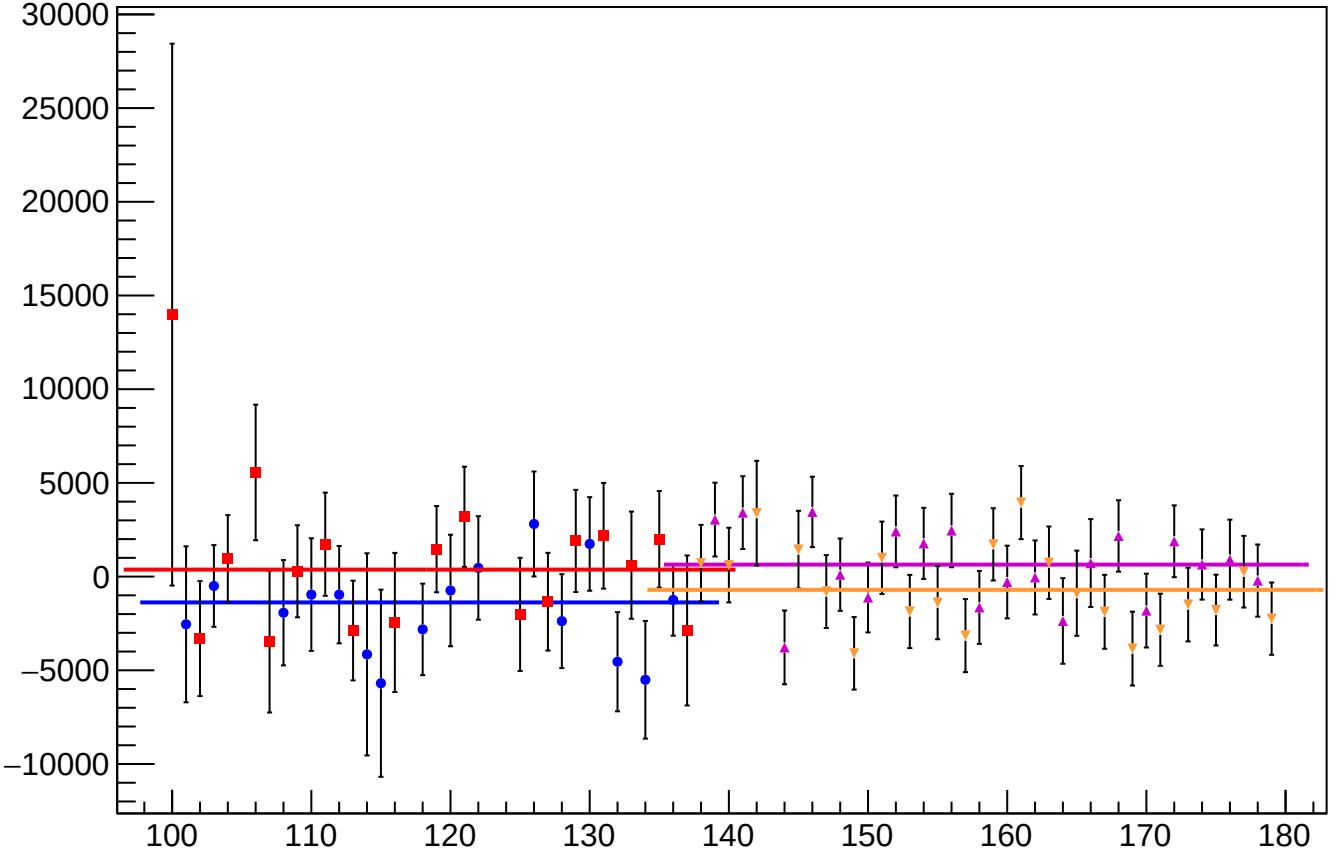
Left In: 717.602+/-0.127 χ^2/NDF:428063.8/19

\+ sign 770.845+/-0.116 χ^2/NDF: 3697886.7/36

All: 762.308+/-0.082 χ^2/NDF: 7670619.0/74

\- sign 753.950+/-0.115 χ^2/NDF: 3962102.1/37

cor_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -1378.133+/-689.030 χ^2/NDF: 9.3/15

Left Out: -707.953+/-434.431 χ^2/NDF:23.4/20

Right Out: 372.534+/-684.408 χ^2/NDF: 12.0/17

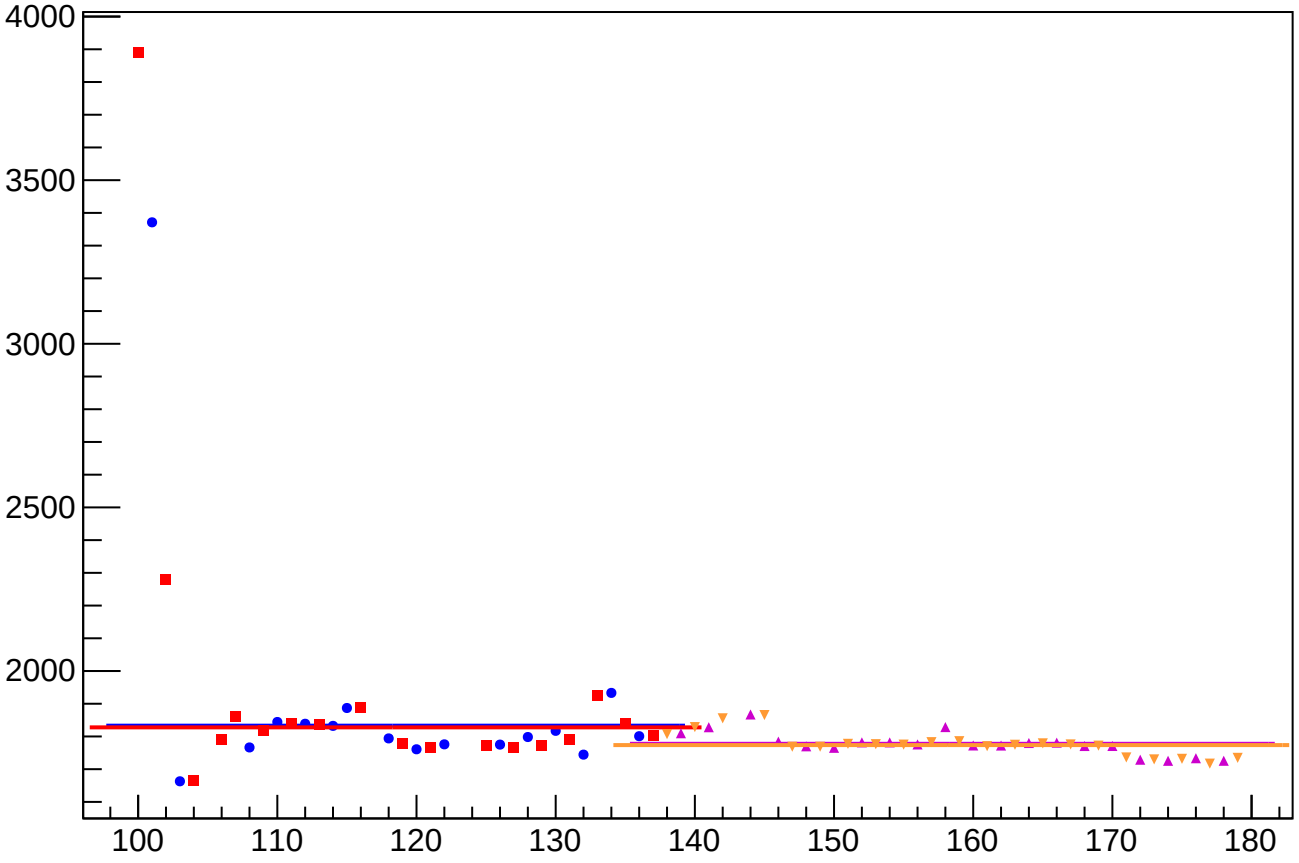
Left In: 640.533+/-439.746 χ^2/NDF:20.1/19

+ sign -898.586+/-367.486 χ^2/NDF: 33.3/36

All: -173.085+/-260.723 χ^2/NDF: 73.4/74

- sign 562.223+/-369.962 χ^2/NDF: 32.2/37

cor_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1832.947+/-0.487 χ^2/NDF: 295441.2/15

Left Out: 1773.629+/-0.307 χ^2/NDF:13210.2/20

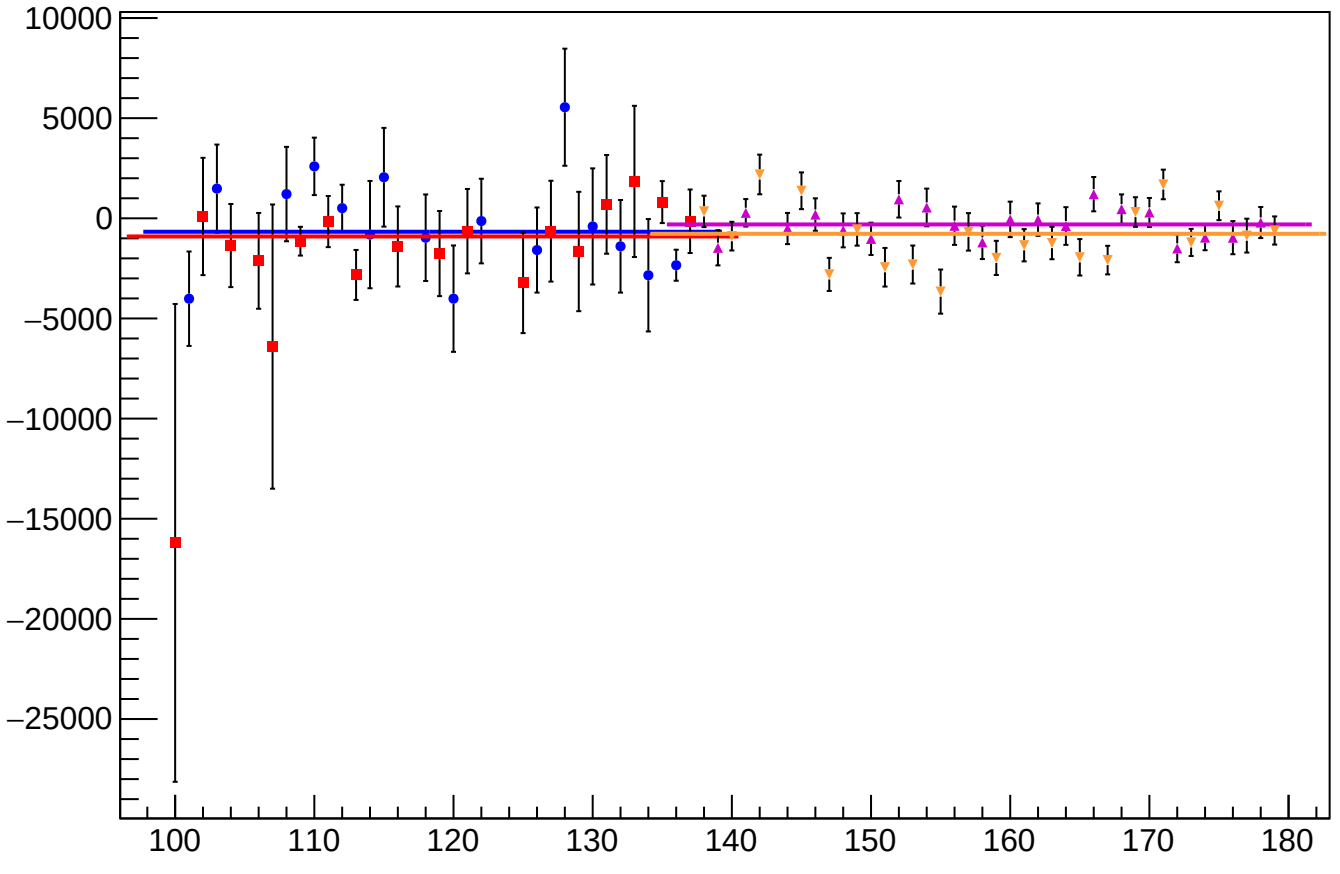
Right Out: 1827.785+/-0.484 χ^2/NDF: 102270.3/17

Left In: 1777.556+/-0.311 χ^2/NDF:12793.7/19

+ sign 1790.502+/-0.260 χ^2/NDF: 319257.7/36

All: 1791.362+/-0.184 χ^2/NDF: 441968.2/74

- sign 1792.233+/-0.262 χ^2/NDF: 122688.5/37



Right In: -670.539+/-442.505 χ^2/NDF: 22.8/15

Left Out: -773.304+/-177.504 χ^2/NDF:60.5/20

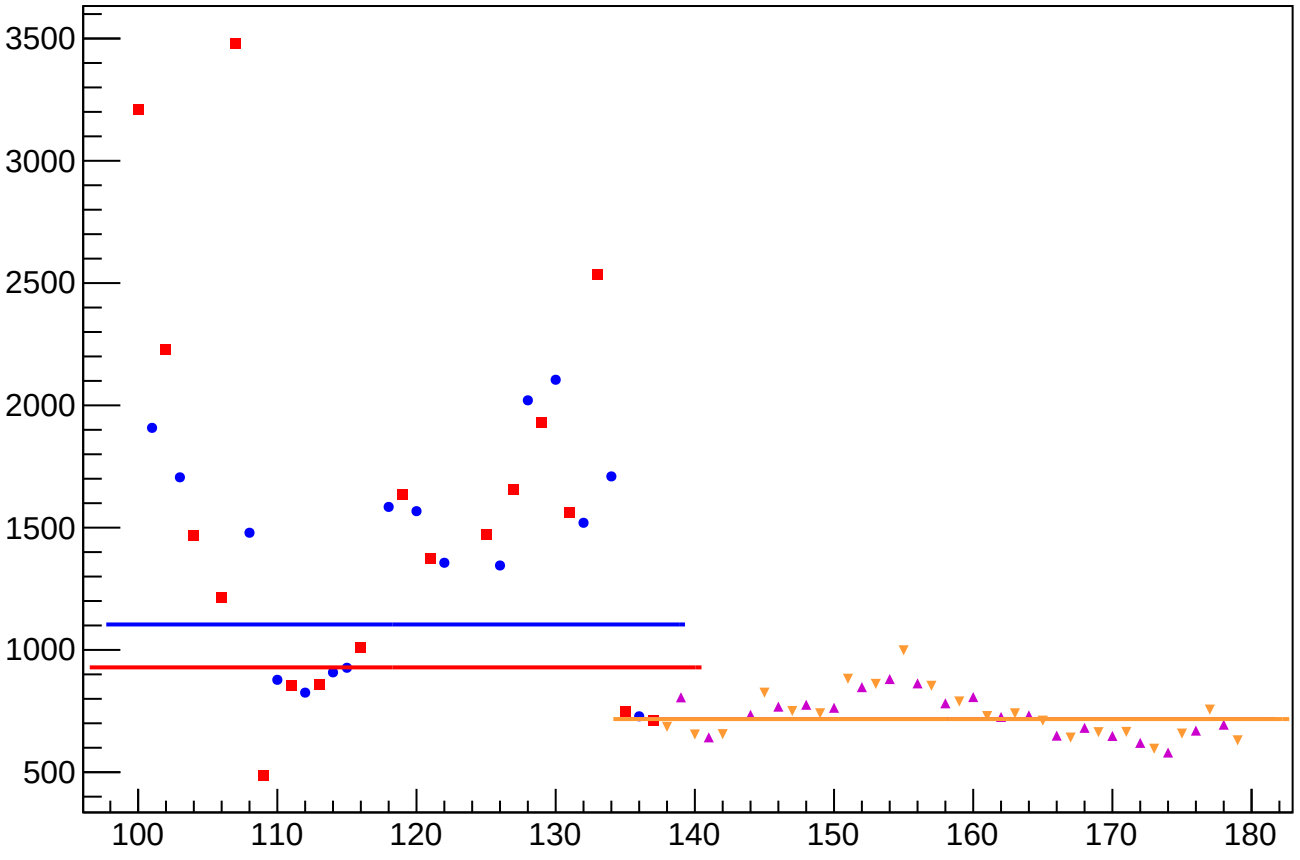
Right Out: -905.874+/-394.814 χ^2/NDF: 10.5/17

Left In: -305.902+/-179.092 χ^2/NDF:17.5/19

+ sign -759.060+/-164.744 χ^2/NDF: 83.3/36

All: -581.912+/-115.905 χ^2/NDF: 115.5/74

- sign -408.288+/-163.097 χ^2/NDF: 29.9/37



Right In: 1104.103+/-0.313 χ^2/NDF: 1894482.2/15

Left Out: 717.285+/-0.126 χ^2/NDF:507507.5/20

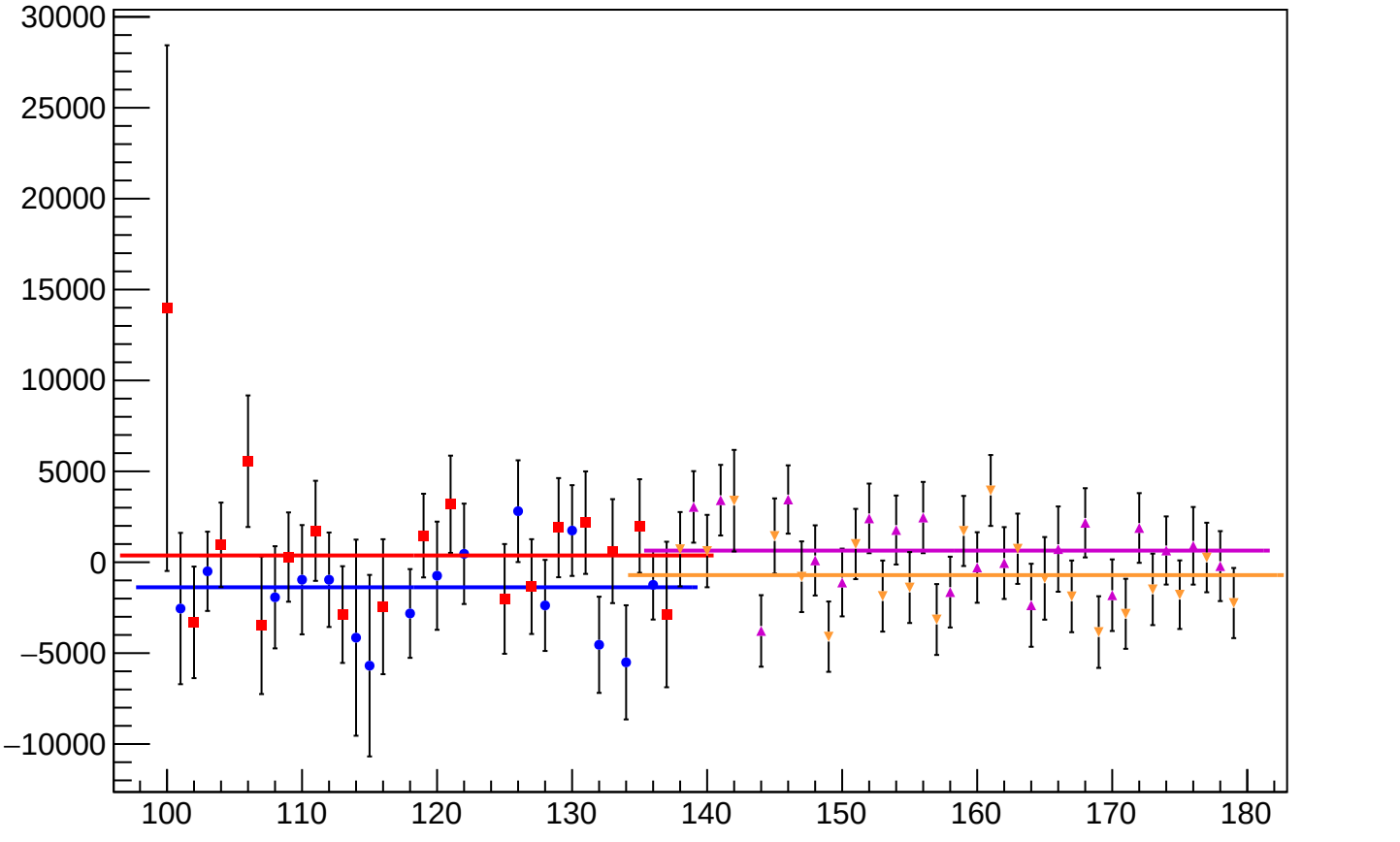
Right Out: 928.629+/-0.279 χ^2/NDF: 3054381.5/17

Left In: 717.607+/-0.127 χ^2/NDF:428088.6/19

+ sign 770.900+/-0.116 χ^2/NDF: 3718449.2/36

All: 762.172+/-0.082 χ^2/NDF: 7685882.1/74

- sign 753.618+/-0.115 χ^2/NDF: 3956317.1/37



Right In: -1378.133+/-689.030 χ^2/NDF: 9.3/15

Left Out: -707.953+/-434.431 χ^2/NDF:23.4/20

Right Out: 372.534+/-684.408 χ^2/NDF: 12.0/17

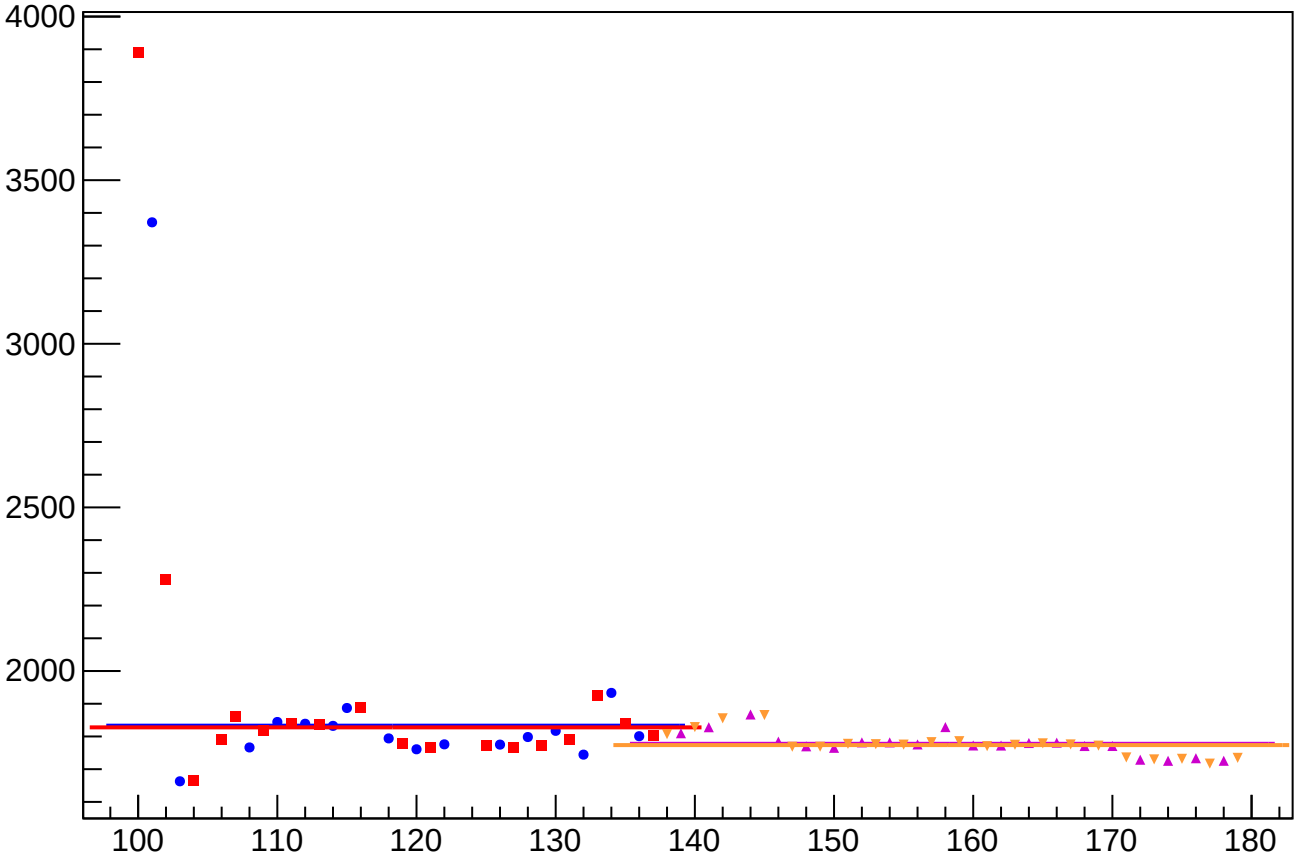
Left In: 640.533+/-439.746 χ^2/NDF:20.1/19

+ sign -898.586+/-367.486 χ^2/NDF: 33.3/36

All: -173.085+/-260.723 χ^2/NDF: 73.4/74

- sign 562.223+/-369.962 χ^2/NDF: 32.2/37

eigen_cor_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1832.947+/-0.487 χ^2/NDF: 295441.2/15

Left Out: 1773.629+/-0.307 χ^2/NDF:13210.2/20

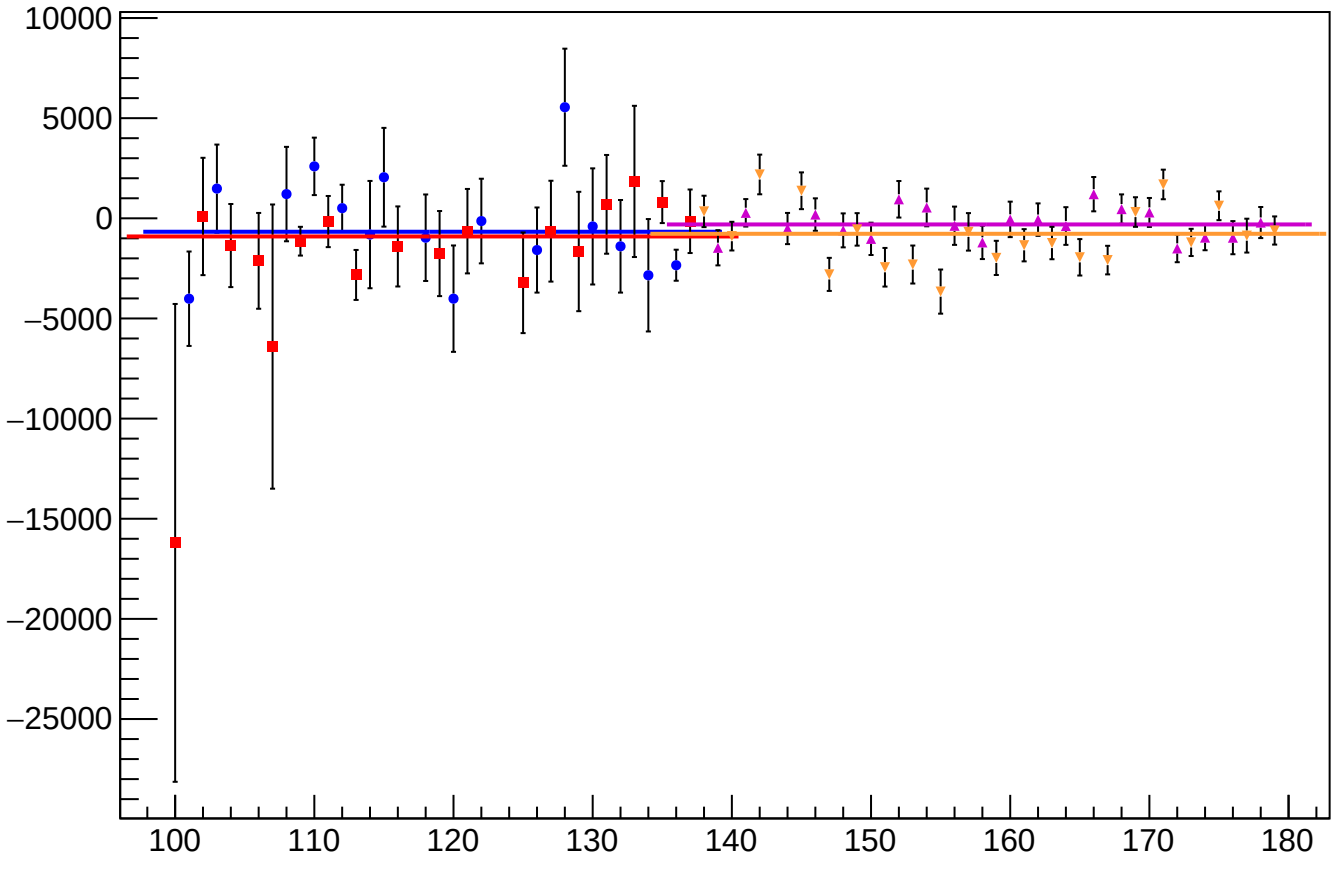
Right Out: 1827.785+/-0.484 χ^2/NDF: 102270.3/17

Left In: 1777.556+/-0.311 χ^2/NDF:12793.7/19

+ sign 1790.502+/-0.260 χ^2/NDF: 319257.7/36

All: 1791.362+/-0.184 χ^2/NDF: 441968.2/74

- sign 1792.233+/-0.262 χ^2/NDF: 122688.5/37



Right In: -670.539+/-442.505 χ^2/NDF: 22.8/15

Left Out: -773.304+/-177.504 χ^2/NDF:60.5/20

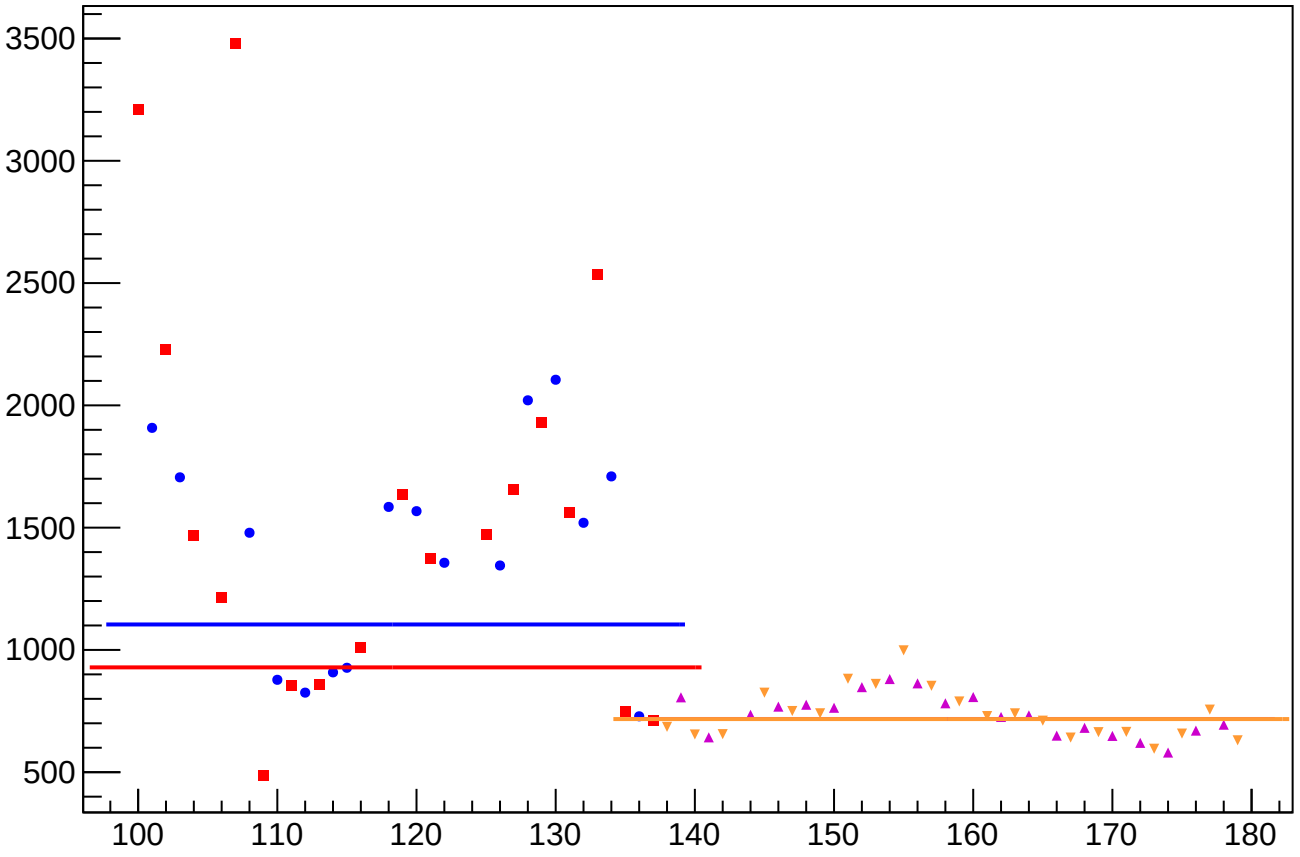
Right Out: -905.874+/-394.814 χ^2/NDF: 10.5/17

Left In: -305.902+/-179.092 χ^2/NDF:17.5/19

+ sign -759.060+/-164.744 χ^2/NDF: 83.3/36

All: -581.912+/-115.905 χ^2/NDF: 115.5/74

- sign -408.288+/-163.097 χ^2/NDF: 29.9/37



Right In: 1104.103+/-0.313 χ^2/NDF: 1894482.2/15

Left Out: 717.285+/-0.126 χ^2/NDF:507507.5/20

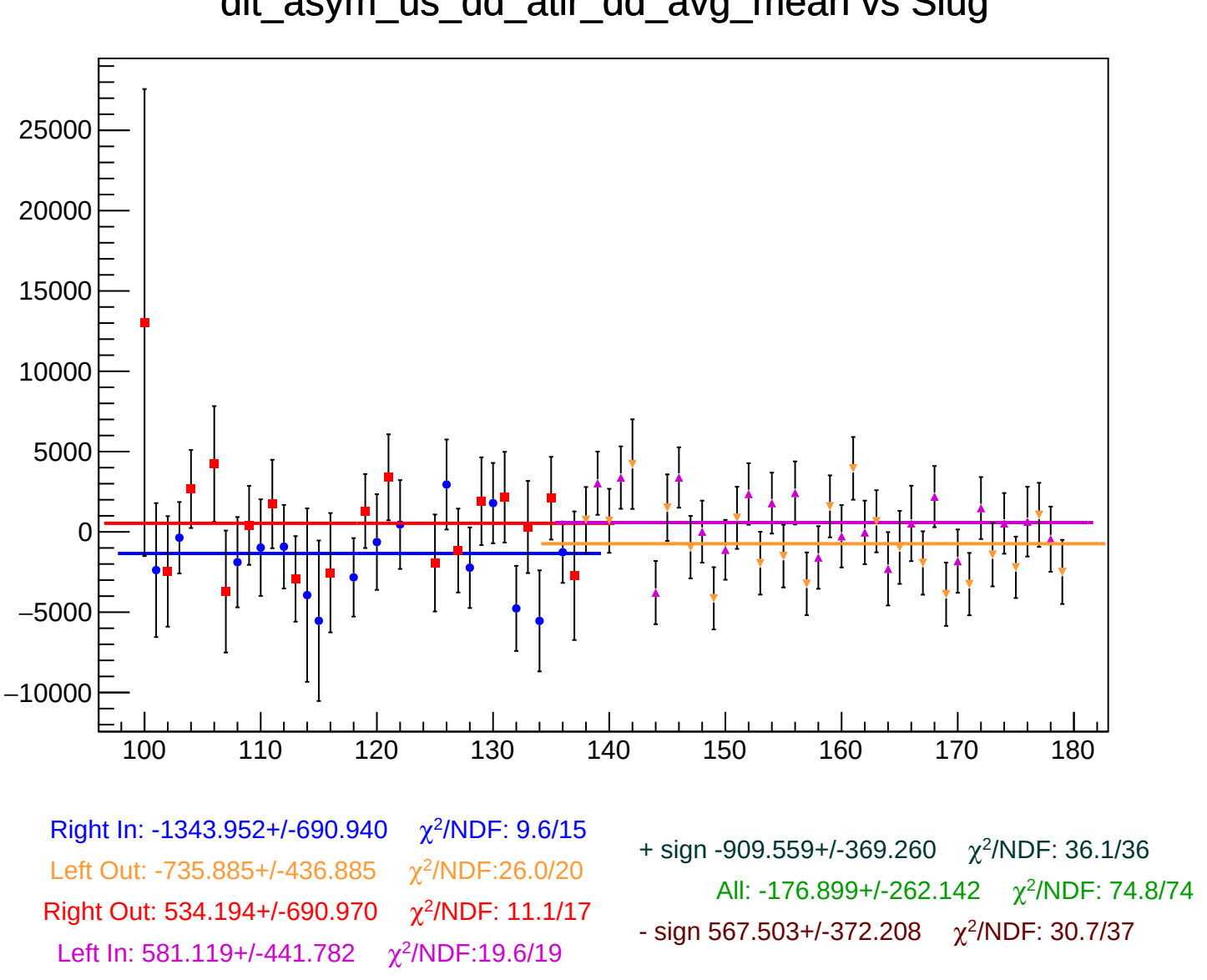
Right Out: 928.629+/-0.279 χ^2/NDF: 3054381.5/17

Left In: 717.607+/-0.127 χ^2/NDF:428088.6/19

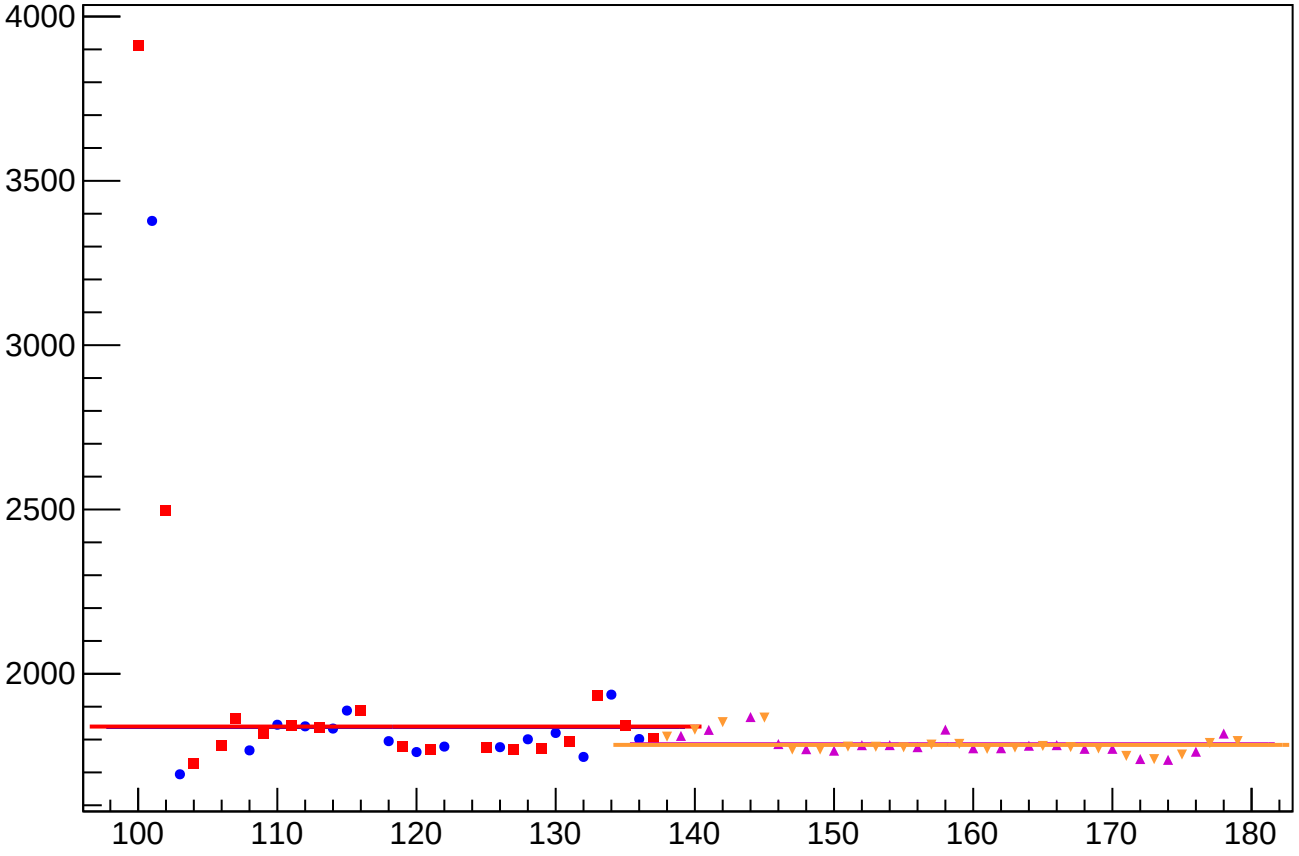
+ sign 770.900+/-0.116 χ^2/NDF: 3718449.2/36

All: 762.172+/-0.082 χ^2/NDF: 7685882.1/74

- sign 753.618+/-0.115 χ^2/NDF: 3956317.1/37


dit_asym_us_dd_atlr_dd_avg_mean vs Slug
25000
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
180
Right In: -1343.952+/-690.940 χ²/NDF: 9.6/15
Left Out: -735.885+/-436.885 χ²/NDF:26.0/20
Right Out: 534.194+/-690.970 χ²/NDF: 11.1/17
Left In: 581.119+/-441.782 χ²/NDF:19.6/19
+ sign -909.559+/-369.260 χ²/NDF: 36.1/36
All: -176.899+/-262.142 χ²/NDF: 74.8/74
- sign 567.503+/-372.208 χ²/NDF: 30.7/37

dit_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1838.159+/-0.489 χ^2/NDF: 291984.0/15

Left Out: 1783.755+/-0.309 χ^2/NDF:8419.9/20

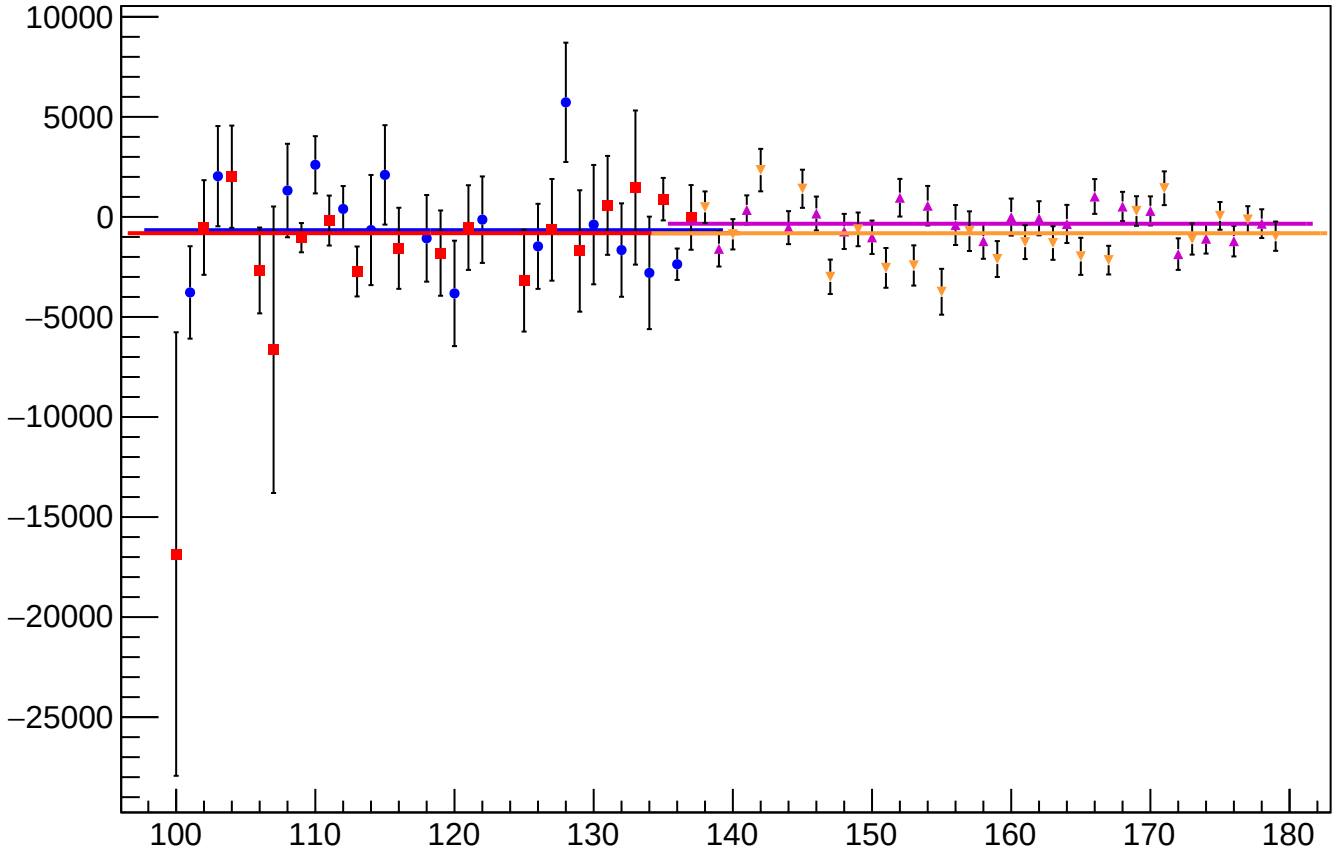
Right Out: 1839.517+/-0.489 χ^2/NDF: 128253.5/17

Left In: 1785.850+/-0.312 χ^2/NDF:9759.0/19

+ sign 1799.294+/-0.261 χ^2/NDF: 309262.1/36

All: 1800.350+/-0.185 χ^2/NDF: 455872.0/74

- sign 1801.422+/-0.263 χ^2/NDF: 146576.9/37



Right In: -663.489+/-445.903 χ^2/NDF: 22.8/15

Left Out: -815.584+/-182.225 χ^2/NDF:55.4/20

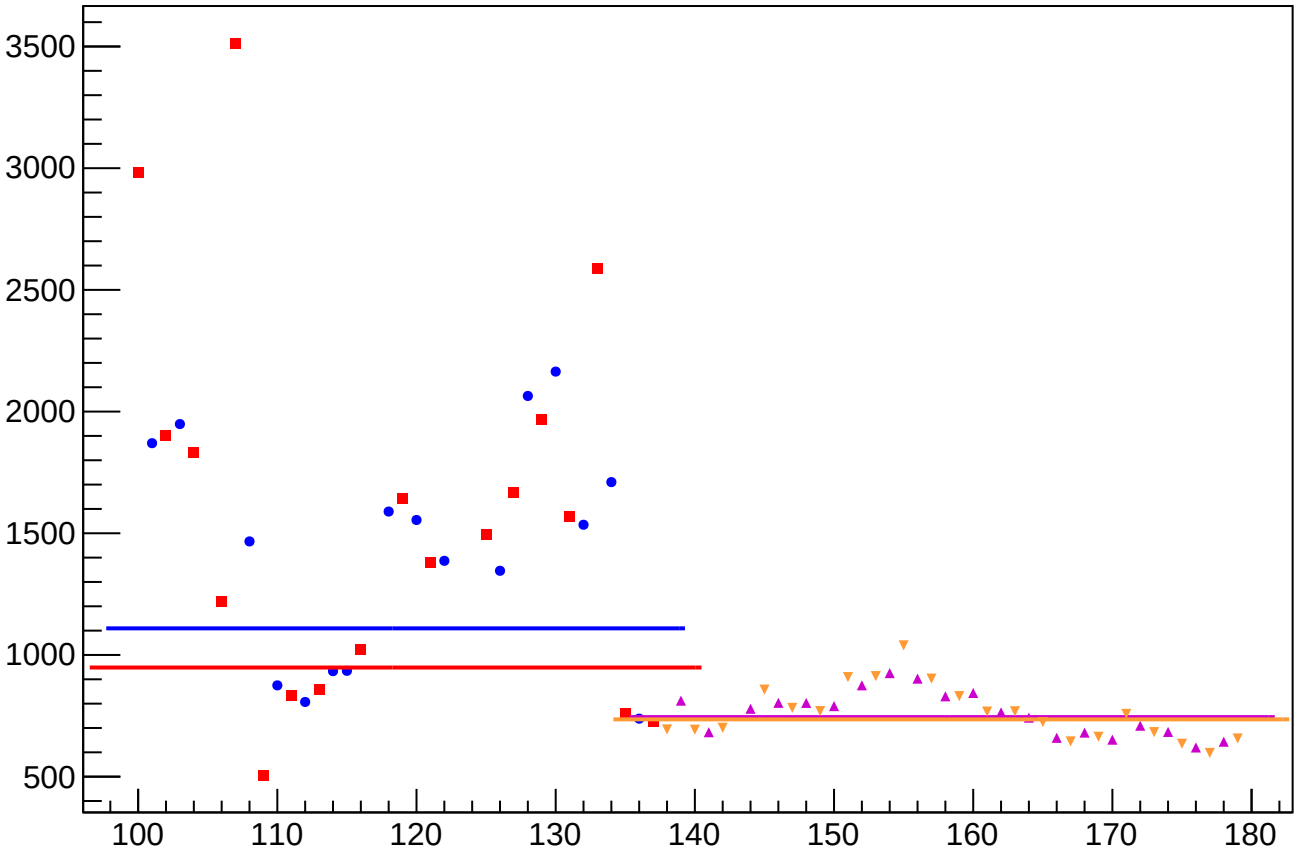
Right Out: -812.187+/-397.187 χ^2/NDF: 12.2/17

Left In: -340.645+/-185.782 χ^2/NDF:18.7/19

\+ sign -793.818+/-168.683 χ^2/NDF: 78.3/36

All: -609.117+/-119.135 χ^2/NDF: 112.8/74

\- sign -425.292+/-168.283 χ^2/NDF: 32.1/37



Right In: 1109.362+/-0.315 χ^2/NDF: 1973363.9/15

Left Out: 735.384+/-0.129 χ^2/NDF:617362.5/20

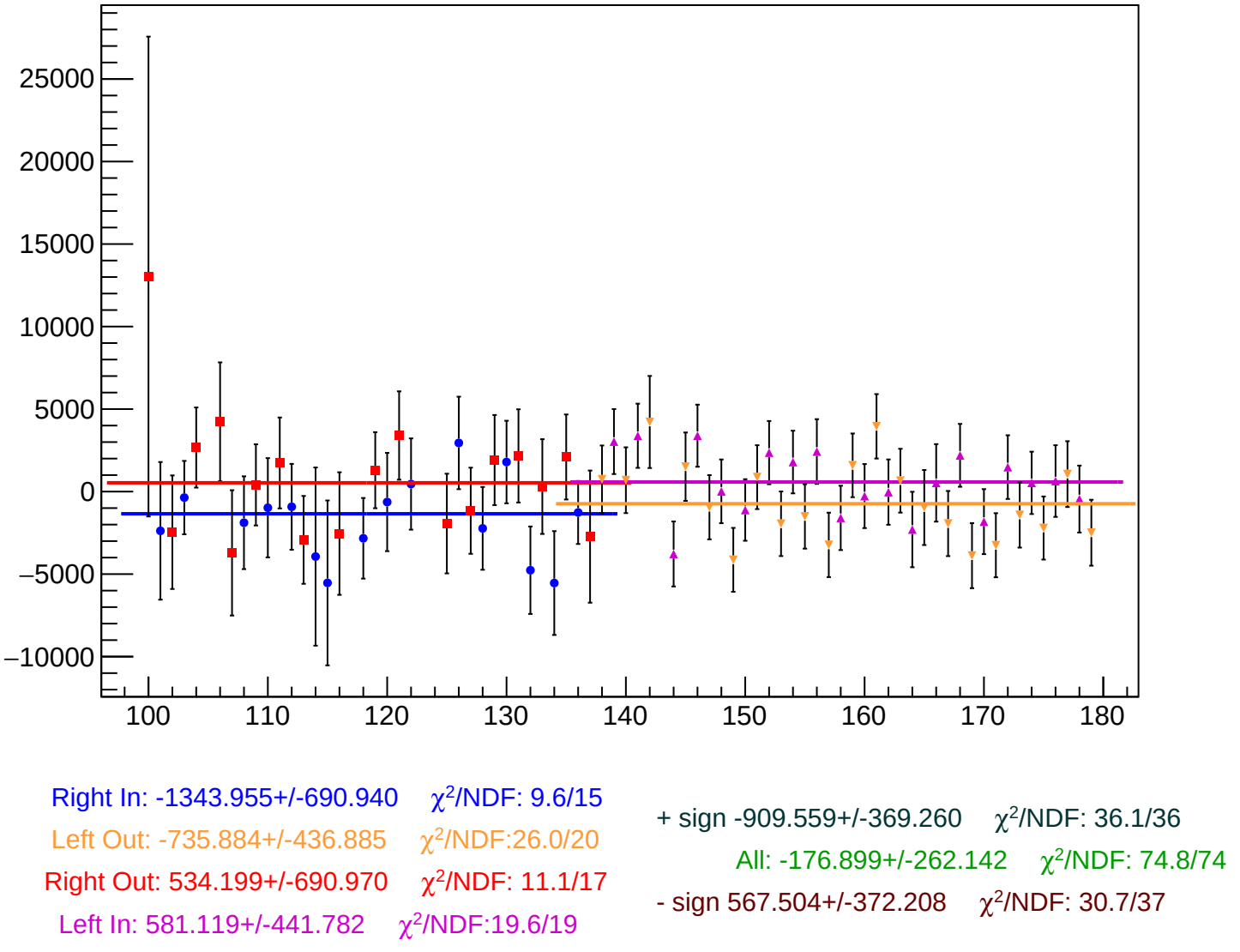
Right Out: 948.438+/-0.281 χ^2/NDF: 3053670.4/17

Left In: 744.712+/-0.131 χ^2/NDF:429140.3/19

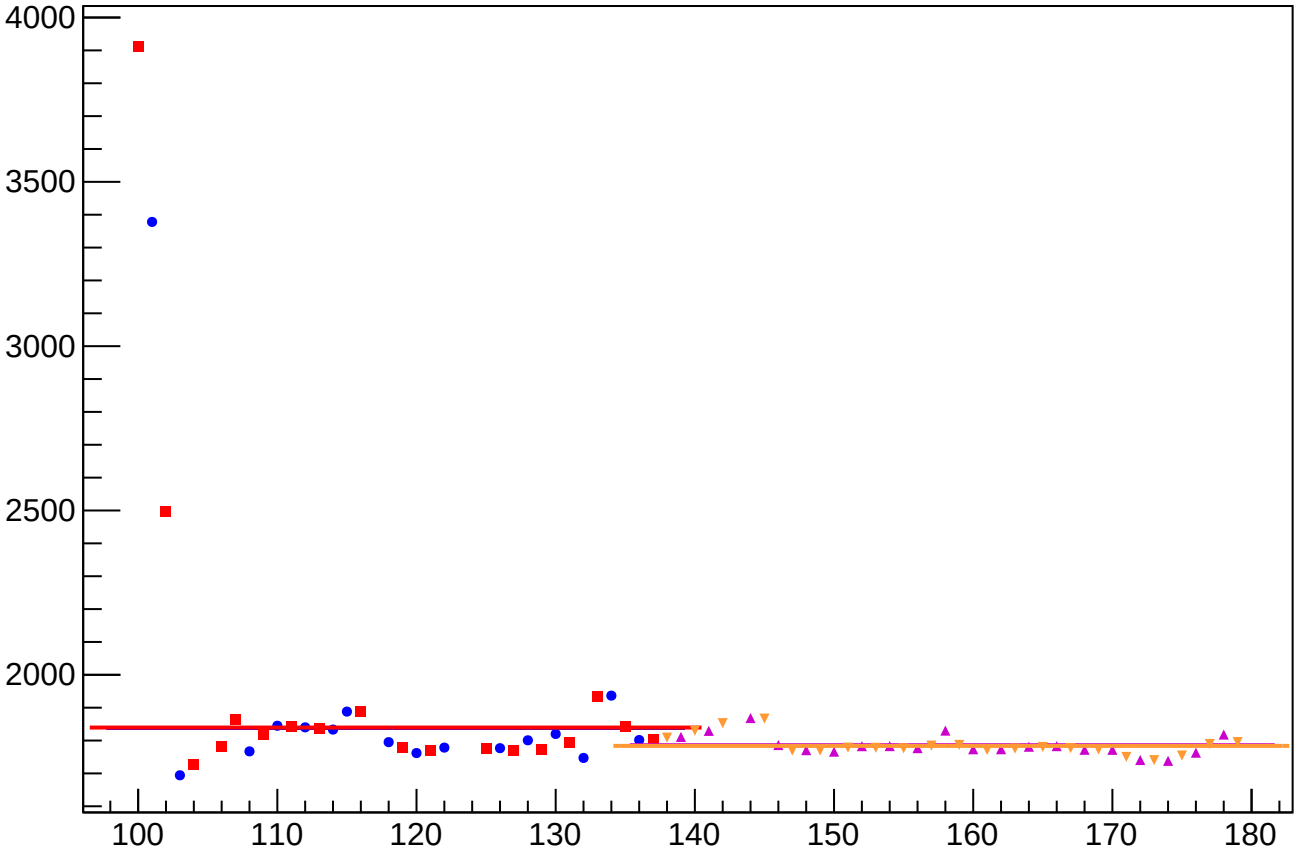
\+ sign 788.903+/-0.119 χ^2/NDF: 3796221.7/36

All: 785.084+/-0.084 χ^2/NDF: 7712804.8/74

\- sign 781.283+/-0.119 χ^2/NDF: 3914537.3/37


eigen_dit_asym_us_dd_atlr_dd_avg_mean vs Slug
25000
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
180
Right In: -1343.955+/-690.940 χ²/NDF: 9.6/15
Left Out: -735.884+/-436.885 χ²/NDF:26.0/20
Right Out: 534.199+/-690.970 χ²/NDF: 11.1/17
Left In: 581.119+/-441.782 χ²/NDF:19.6/19
+ sign -909.559+/-369.260 χ²/NDF: 36.1/36
All: -176.899+/-262.142 χ²/NDF: 74.8/74
- sign 567.504+/-372.208 χ²/NDF: 30.7/37

eigen_dit_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1838.159+/-0.489 χ^2/NDF: 291984.0/15

Left Out: 1783.755+/-0.309 χ^2/NDF:8419.9/20

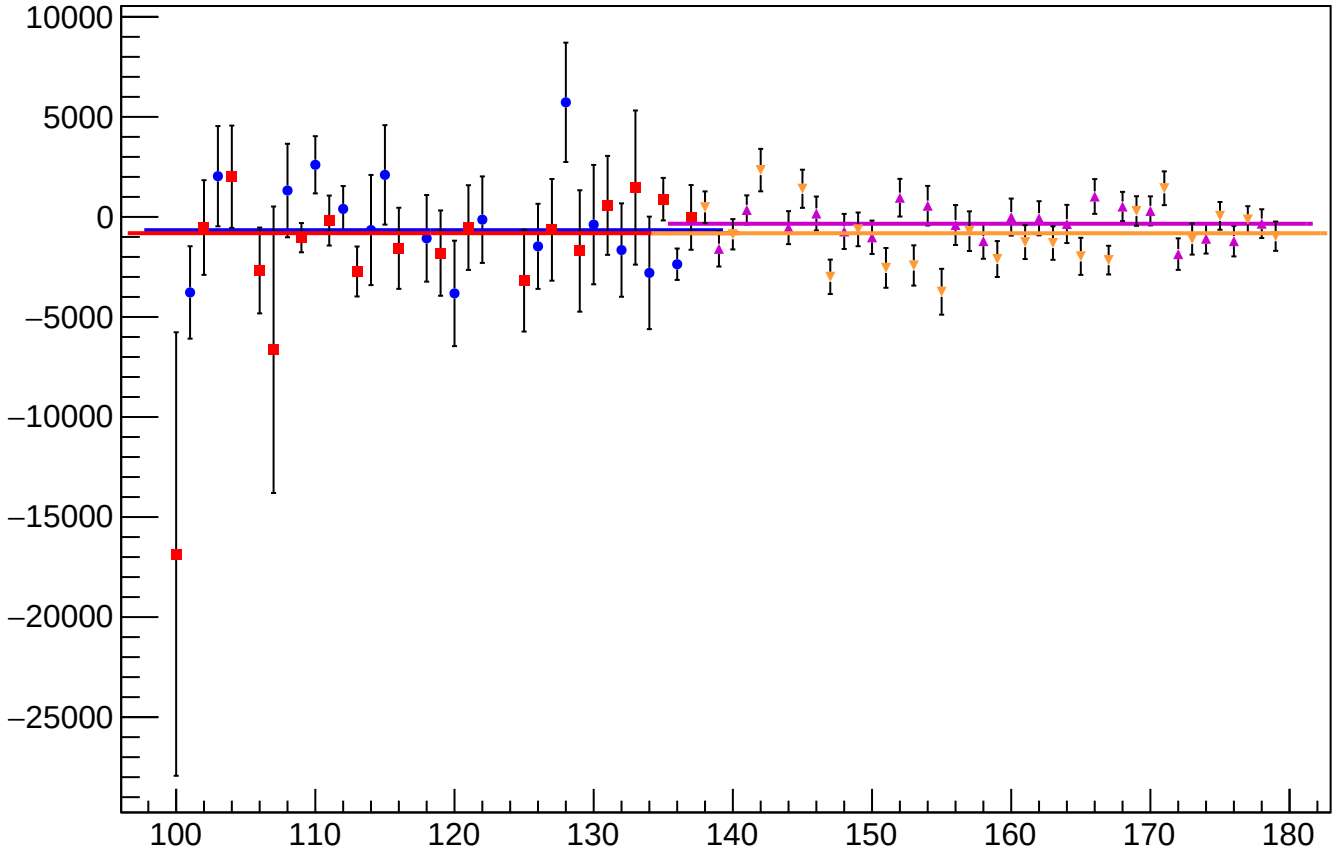
Right Out: 1839.517+/-0.489 χ^2/NDF: 128253.6/17

Left In: 1785.850+/-0.312 χ^2/NDF:9759.0/19

+ sign 1799.294+/-0.261 χ^2/NDF: 309262.1/36

All: 1800.350+/-0.185 χ^2/NDF: 455872.0/74

- sign 1801.422+/-0.263 χ^2/NDF: 146577.0/37



Right In: -663.476+/-445.904 χ^2/NDF: 22.8/15

Left Out: -815.586+/-182.225 χ^2/NDF:55.4/20

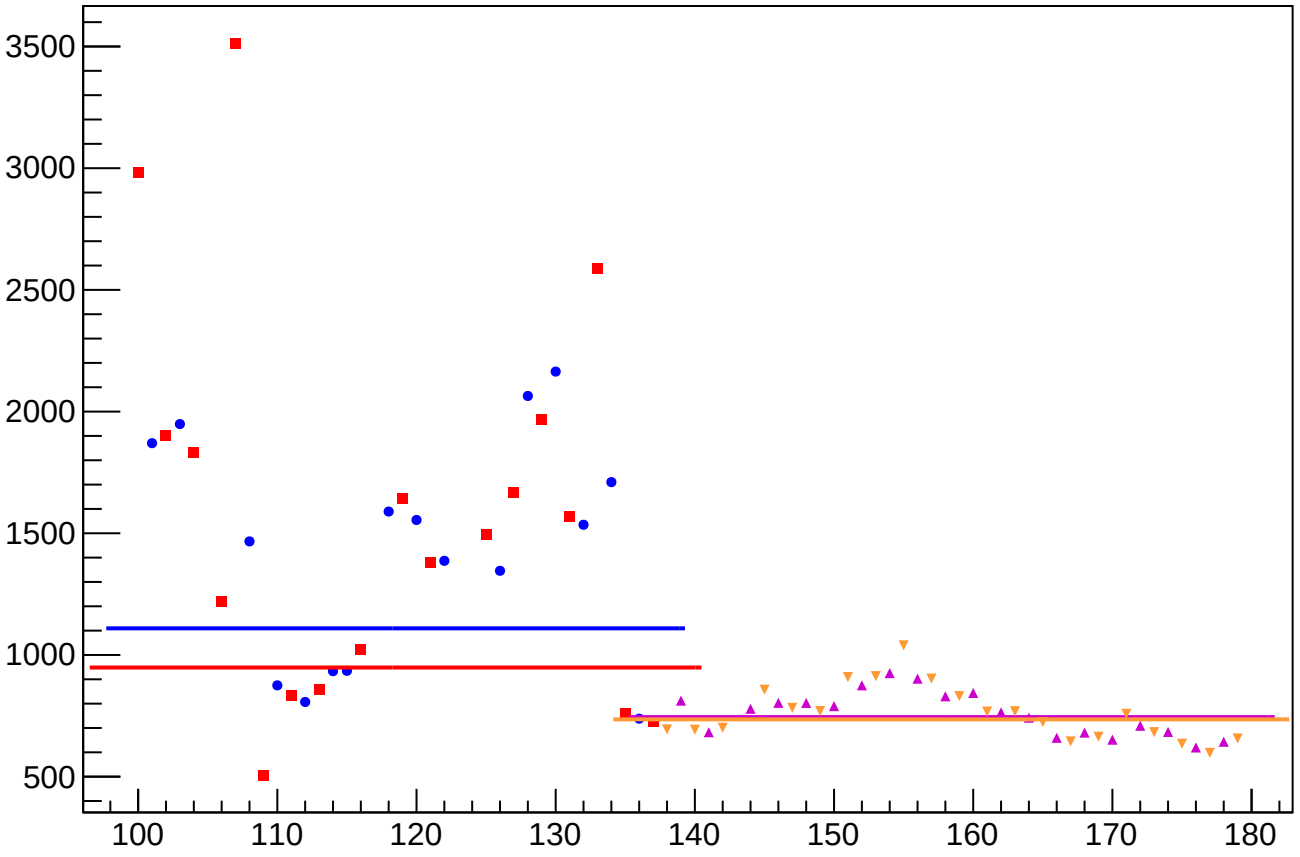
Right Out: -812.194+/-397.187 χ^2/NDF: 12.2/17

Left In: -340.643+/-185.782 χ^2/NDF:18.7/19

+ sign -793.818+/-168.683 χ^2/NDF: 78.3/36

All: -609.116+/-119.135 χ^2/NDF: 112.8/74

- sign -425.291+/-168.283 χ^2/NDF: 32.1/37



Right In: 1109.365+/-0.315 χ^2/NDF: 1973324.5/15

Left Out: 735.384+/-0.129 χ^2/NDF:617359.0/20

Right Out: 948.441+/-0.281 χ^2/NDF: 3053644.5/17

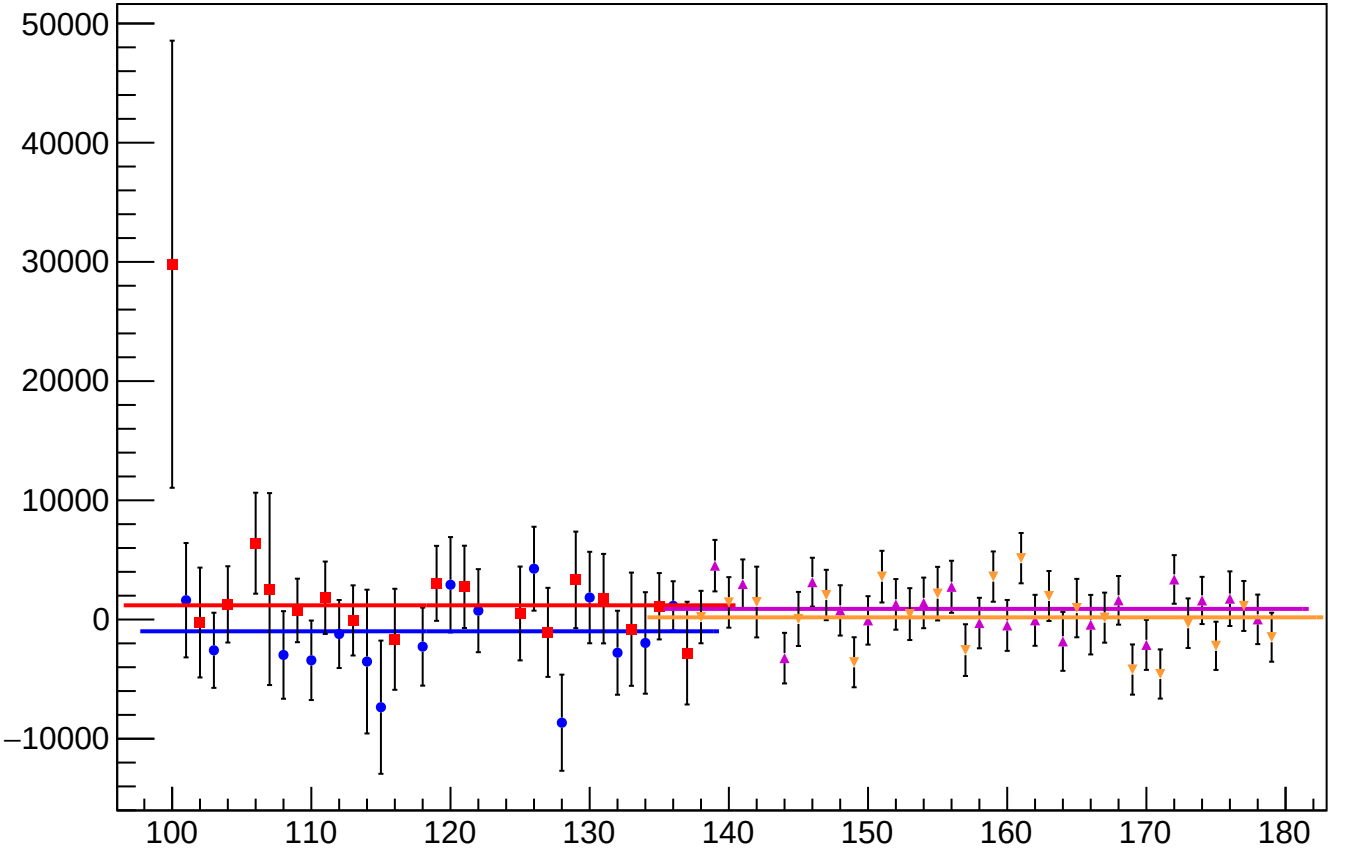
Left In: 744.711+/-0.131 χ^2/NDF:429150.2/19

+ sign 788.904+/-0.119 χ^2/NDF: 3796194.0/36

All: 785.084+/-0.084 χ^2/NDF: 7712772.1/74

- sign 781.283+/-0.119 χ^2/NDF: 3914532.0/37

asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -987.532+/-873.840 χ^2/NDF: 12.0/15

Left Out: 182.339+/-471.811 χ^2/NDF:30.4/20

Right Out: 1192.173+/-870.432 χ^2/NDF: 7.0/17

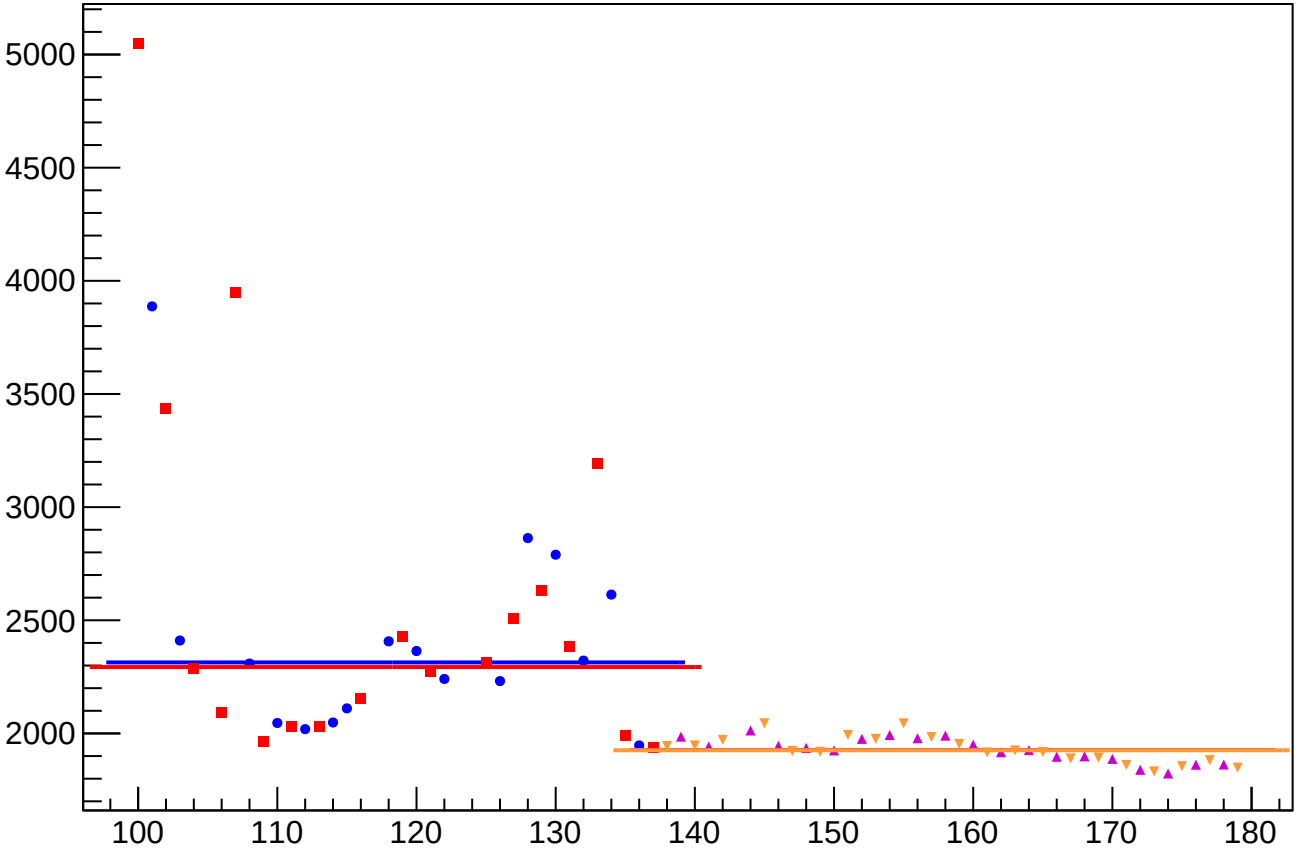
Left In: 890.268+/-476.787 χ^2/NDF:16.4/19

+ sign -81.724+/-415.161 χ^2/NDF: 43.7/36

All: 435.358+/-294.619 χ^2/NDF: 70.3/74

- sign 959.945+/-418.164 χ^2/NDF: 23.5/37

asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 2313.740+/-0.618 χ^2/NDF: 402756.6/15

Left Out: 1925.659+/-0.334 χ^2/NDF:30018.5/20

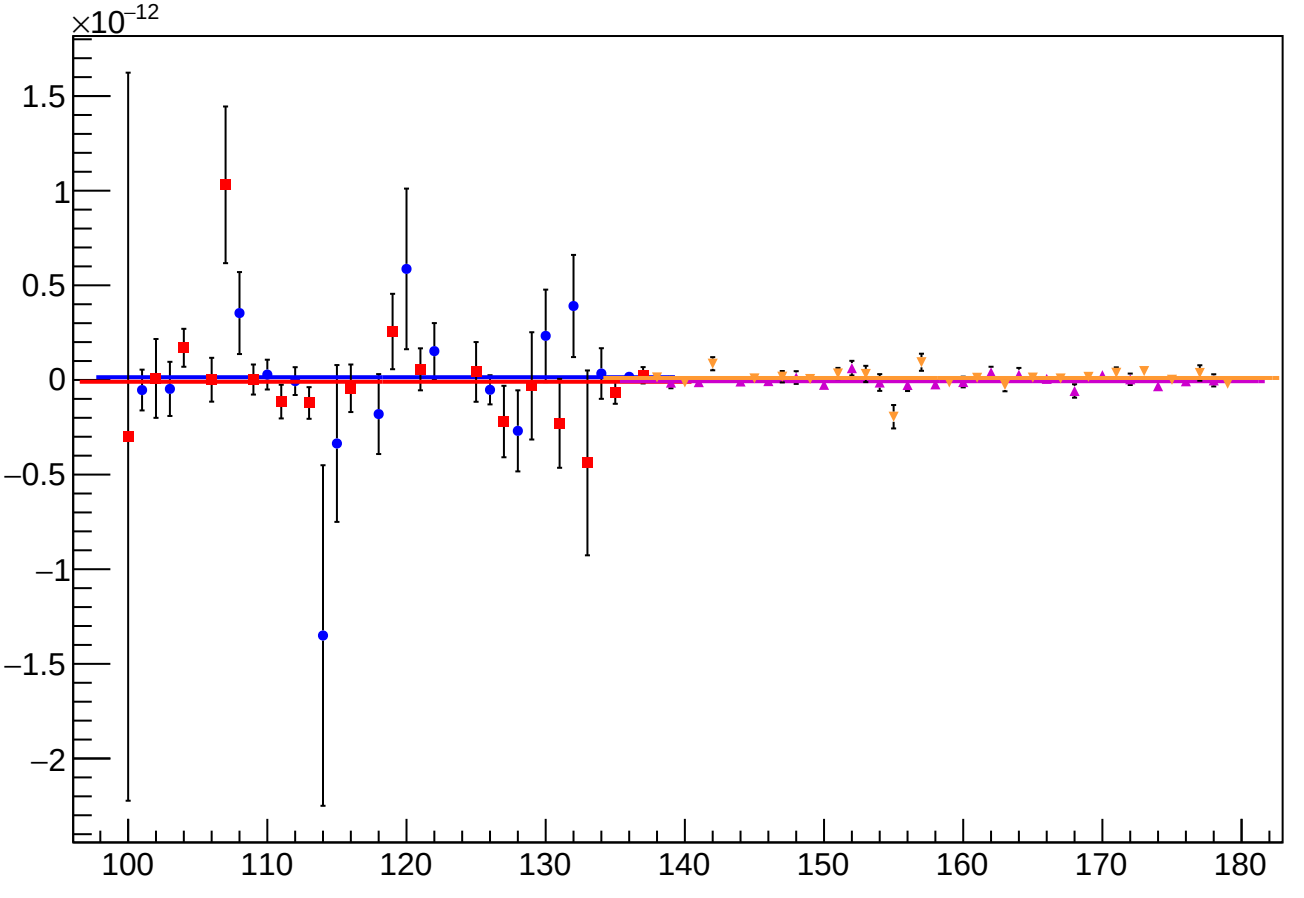
Right Out: 2293.273+/-0.615 χ^2/NDF: 453202.3/17

Left In: 1926.814+/-0.337 χ^2/NDF:25410.8/19

+ sign 2013.257+/-0.294 χ^2/NDF: 738205.4/36

All: 2012.331+/-0.208 χ^2/NDF: 1489523.0/74

- sign 2011.391+/-0.296 χ^2/NDF: 751297.5/37



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

Left Out: 0.000+/-0.000 χ^2/NDF:31.9/20

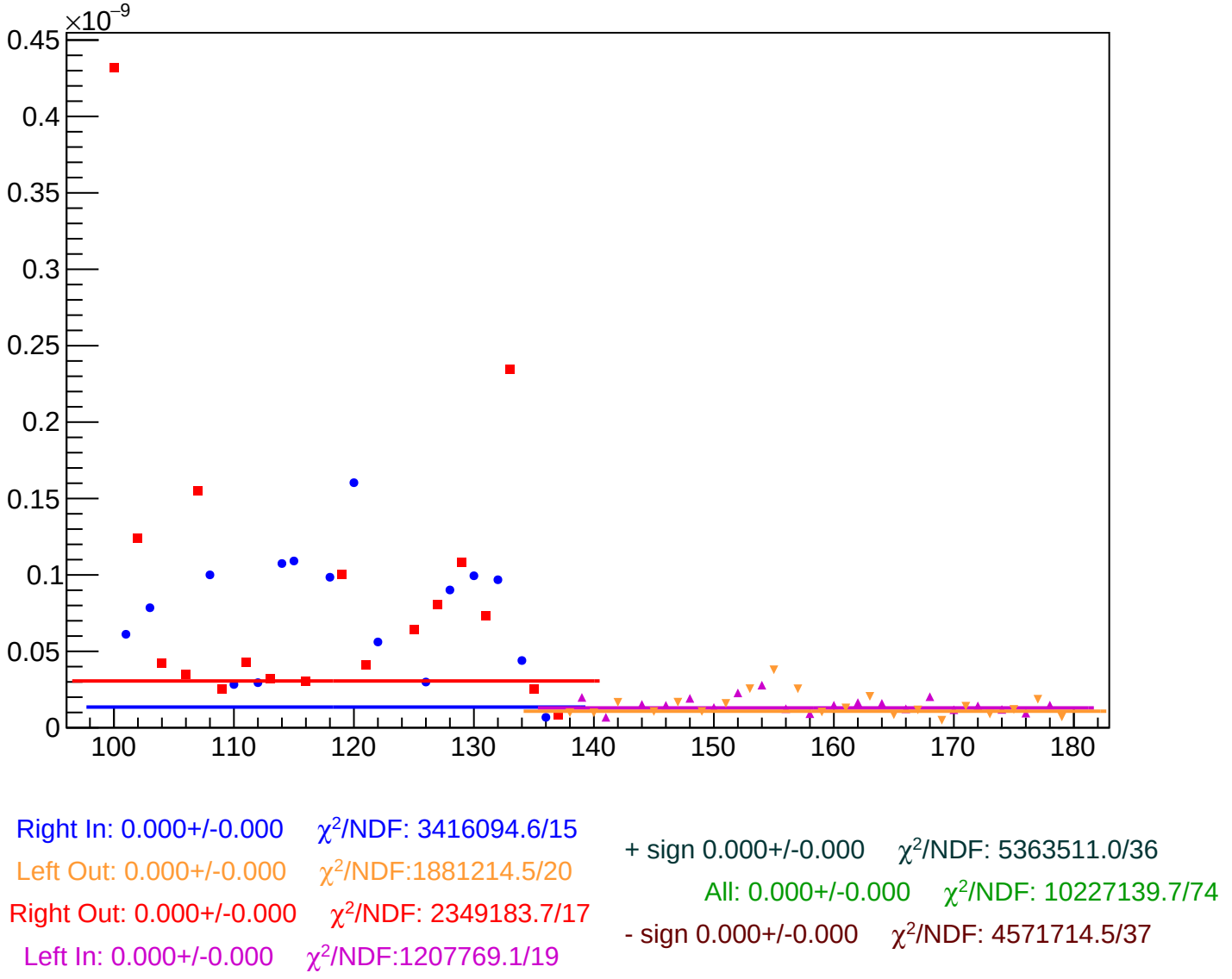
Right Out: -0.000+/-0.000 χ^2/NDF: 19.5/17

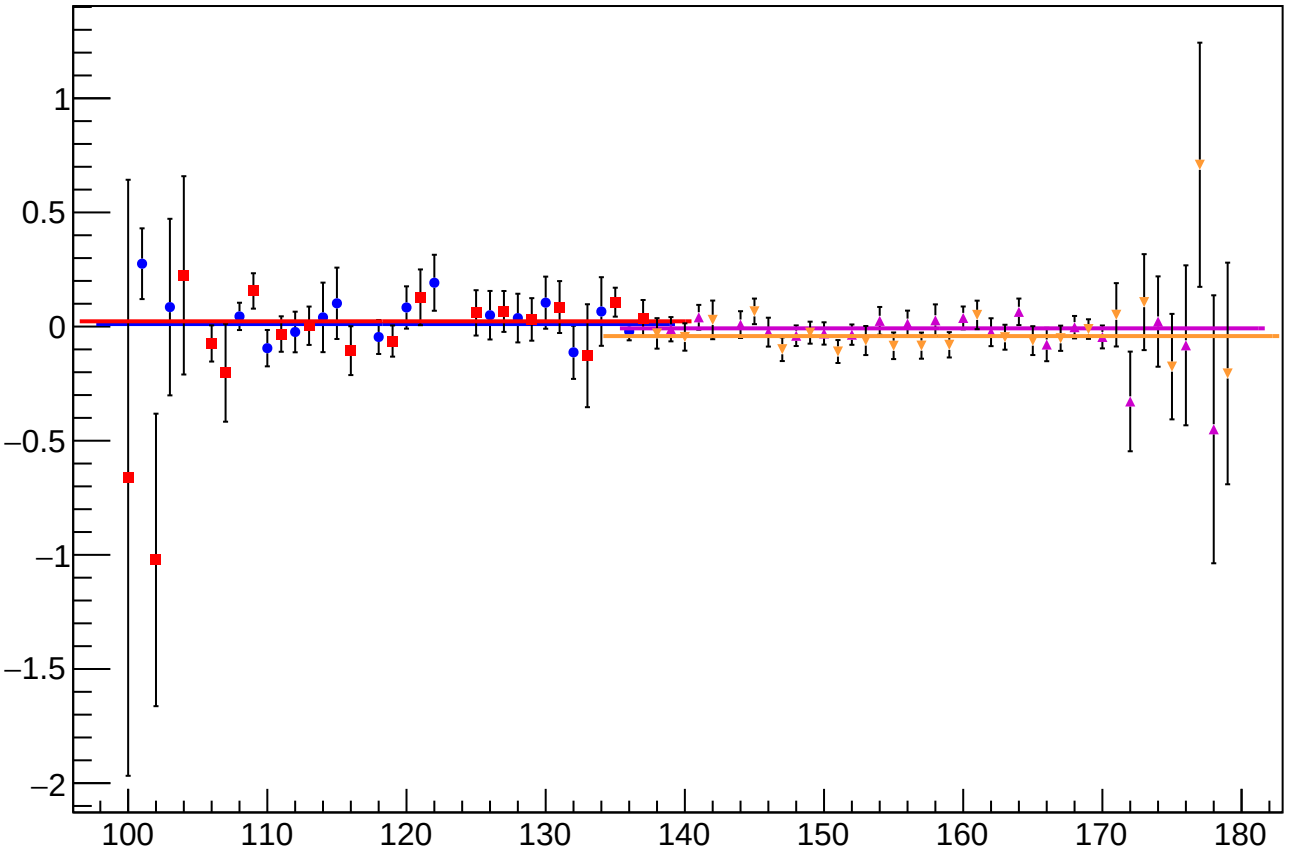
Left In: -0.000+/-0.000 χ^2/NDF:14.7/19

+ sign 0.000+/-0.000 χ^2/NDF: 47.0/36

All: 0.000+/-0.000 χ^2/NDF: 87.1/74

- sign -0.000+/-0.000 χ^2/NDF: 34.3/37


asym_us_dd_atlr_dd_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 3416094.6/15
Left Out: 0.000+/-0.000 χ²/NDF:1881214.5/20
Right Out: 0.000+/-0.000 χ²/NDF: 2349183.7/17
Left In: 0.000+/-0.000 χ²/NDF:1207769.1/19
+ sign 0.000+/-0.000 χ²/NDF: 5363511.0/36
All: 0.000+/-0.000 χ²/NDF: 10227139.7/74
- sign 0.000+/-0.000 χ²/NDF: 4571714.5/37



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.042+/-0.014 χ^2/NDF:15.5/20

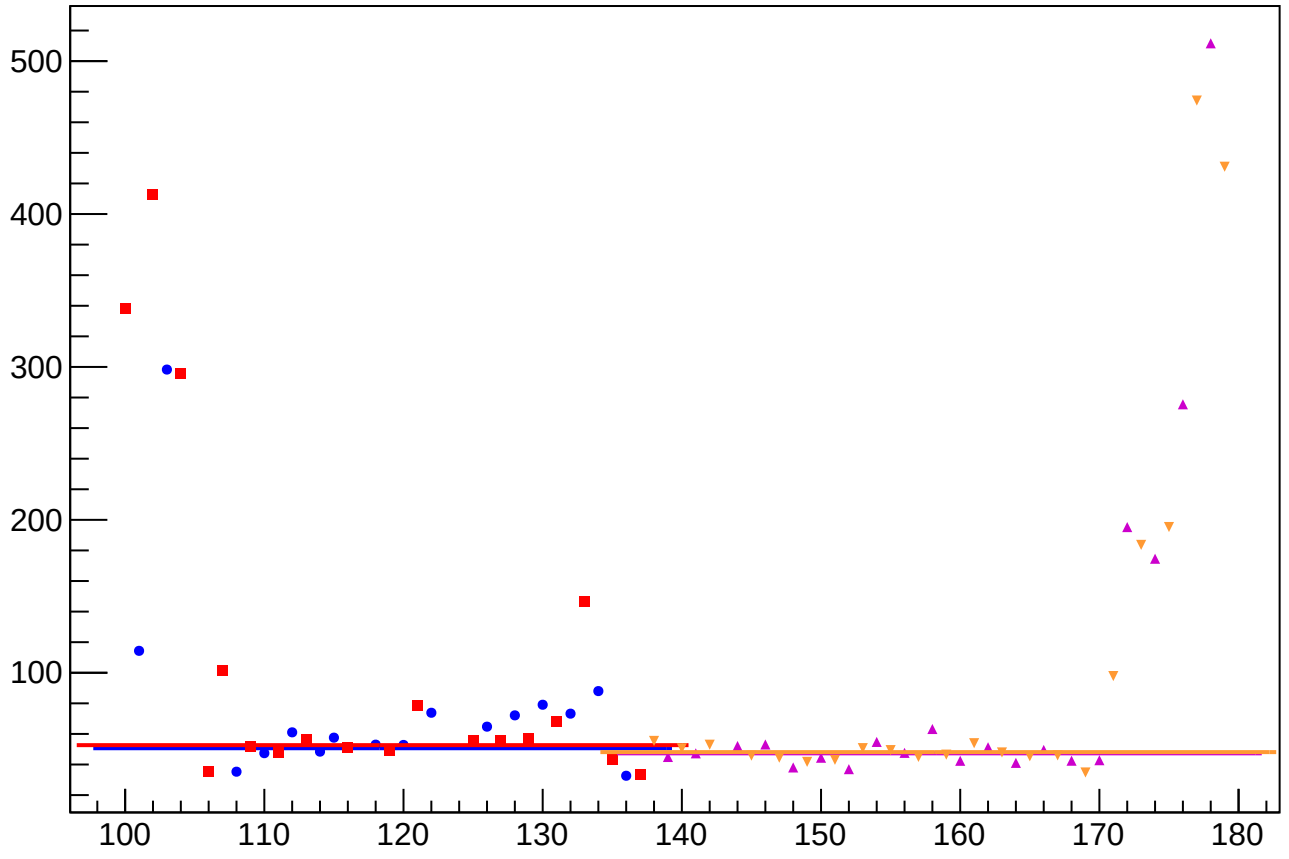
Right Out: 0.023+/-0.023 χ^2/NDF: 16.0/17

Left In: -0.008+/-0.014 χ^2/NDF:9.5/19

+ sign -0.026+/-0.012 χ^2/NDF: 31.3/36

All: -0.013+/-0.008 χ^2/NDF: 60.7/74

- sign 0.000+/-0.012 χ^2/NDF: 26.8/37



Right In: 50.645+/-0.015 χ^2/NDF: 2266445.6/15

Left Out: 48.110+/-0.010 χ^2/NDF:4745633.8/20

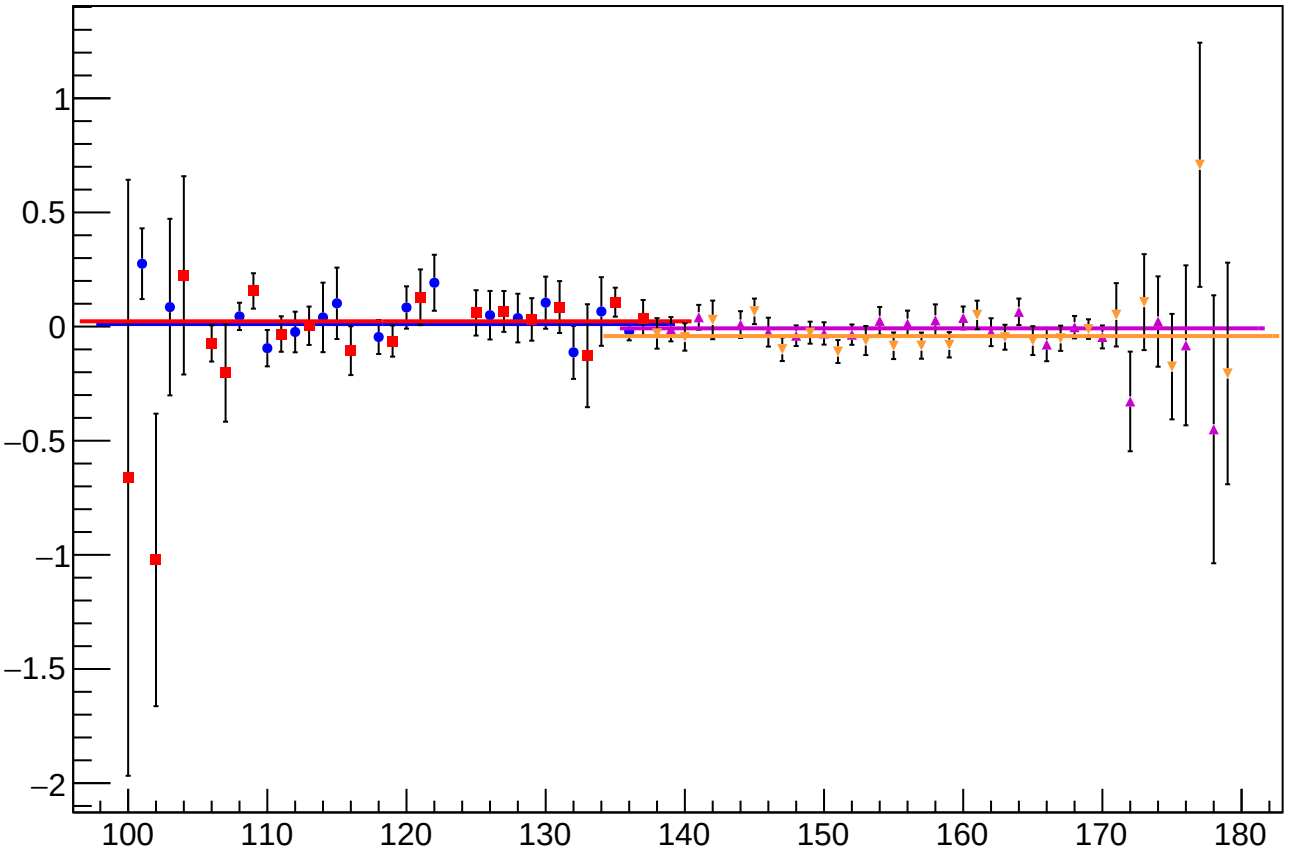
Right Out: 52.666+/-0.016 χ^2/NDF: 2211938.1/17

Left In: 47.301+/-0.010 χ^2/NDF:4300721.1/19

+ sign 48.842+/-0.008 χ^2/NDF: 7031191.4/36

All: 48.757+/-0.006 χ^2/NDF: 13624260.9/74

- sign 48.674+/-0.008 χ^2/NDF: 6592862.4/37



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.042+/-0.014 χ^2/NDF:15.5/20

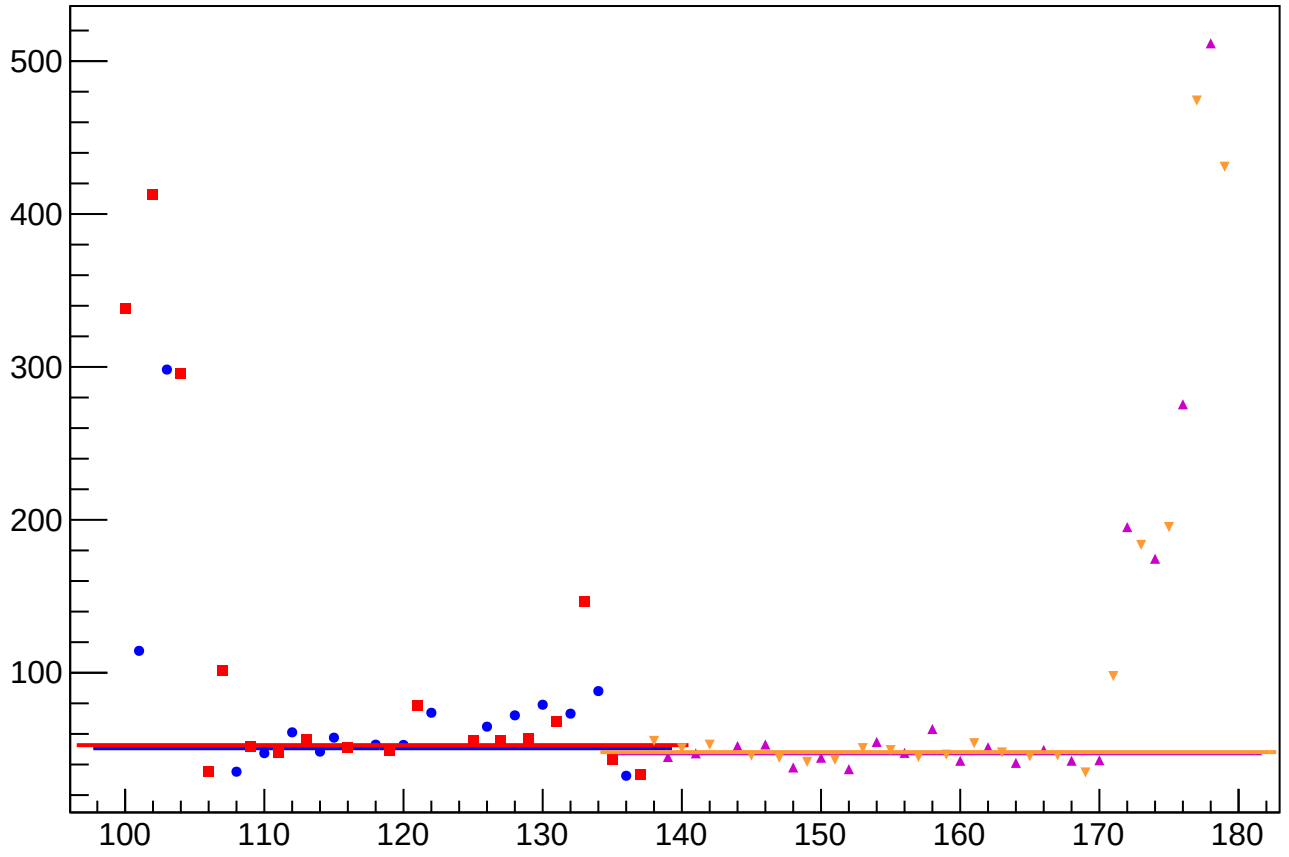
Right Out: 0.023+/-0.023 χ^2/NDF: 16.0/17

Left In: -0.008+/-0.014 χ^2/NDF:9.5/19

+ sign -0.026+/-0.012 χ^2/NDF: 31.3/36

All: -0.013+/-0.008 χ^2/NDF: 60.7/74

- sign 0.000+/-0.012 χ^2/NDF: 26.8/37



Right In: 50.645+/-0.015 χ^2/NDF: 2266445.6/15

Left Out: 48.110+/-0.010 χ^2/NDF:4745633.8/20

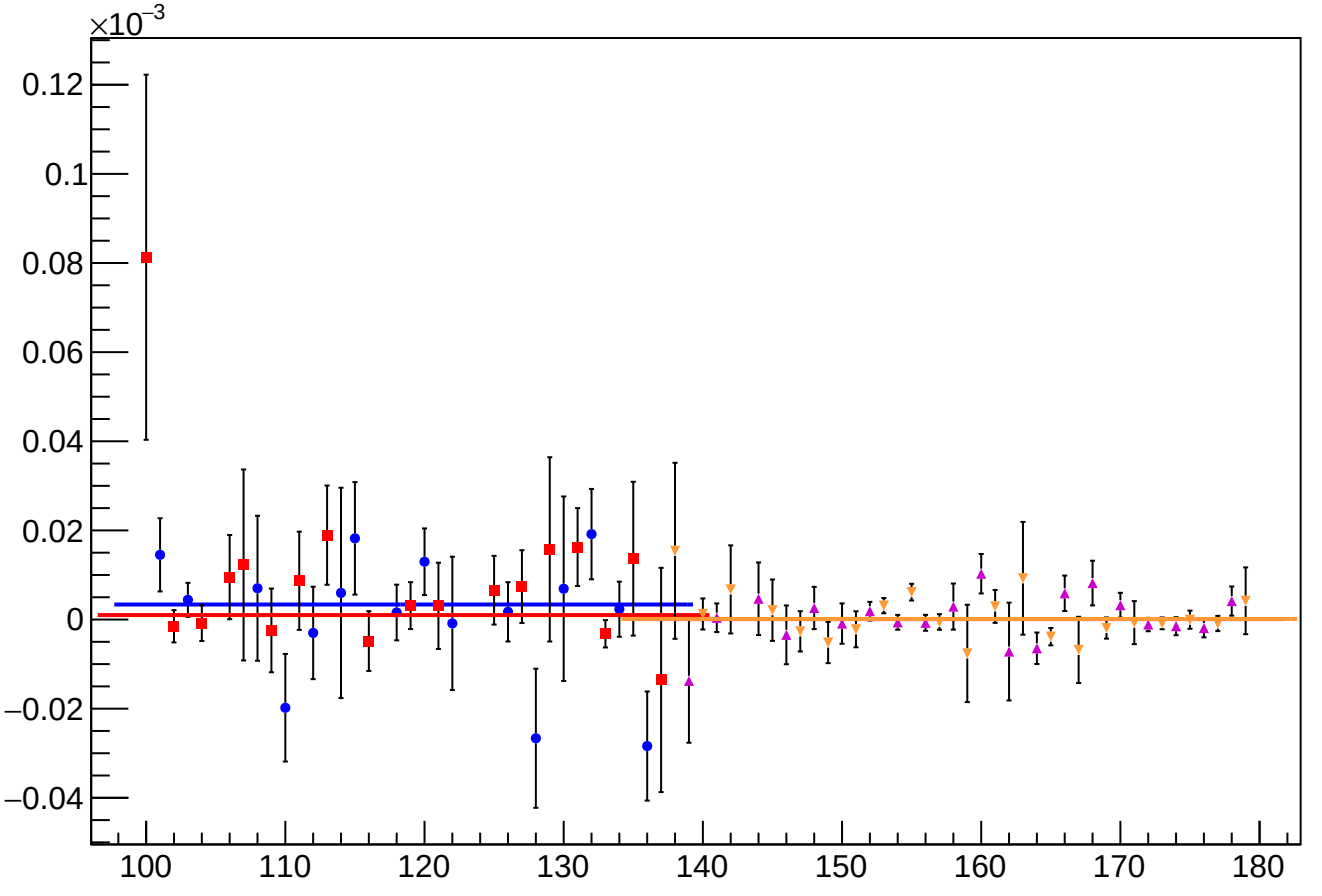
Right Out: 52.666+/-0.016 χ^2/NDF: 2211938.1/17

Left In: 47.301+/-0.010 χ^2/NDF:4300721.1/19

+ sign 48.842+/-0.008 χ^2/NDF: 7031191.4/36

All: 48.757+/-0.006 χ^2/NDF: 13624260.9/74

- sign 48.674+/-0.008 χ^2/NDF: 6592862.4/37



Right In: 0.000+/-0.000 χ^2/NDF: 22.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/20

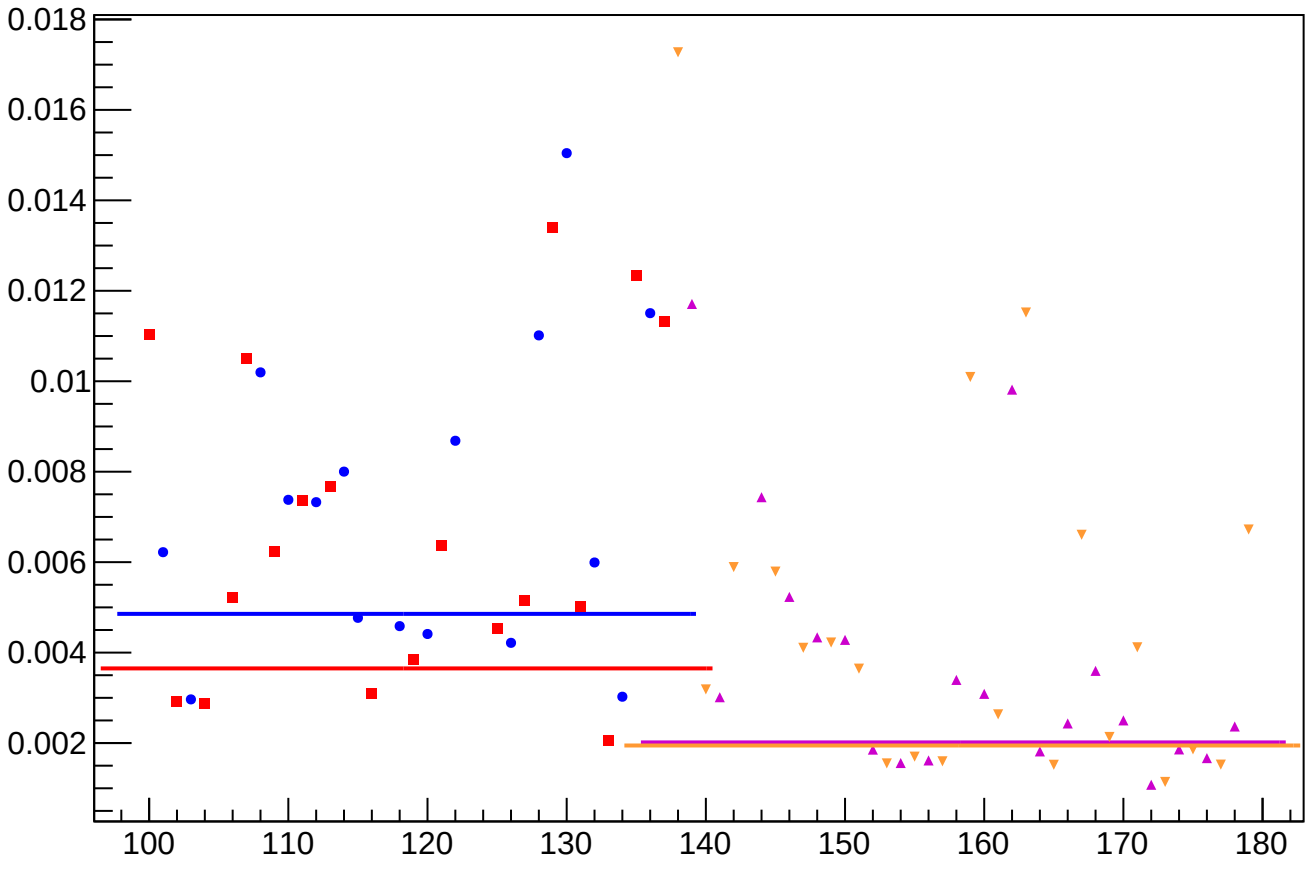
Right Out: 0.000+/-0.000 χ^2/NDF: 17.2/17

Left In: 0.000+/-0.000 χ^2/NDF:22.2/19

+ sign 0.000+/-0.000 χ^2/NDF: 49.8/36

All: 0.000+/-0.000 χ^2/NDF: 89.6/74

- sign 0.000+/-0.000 χ^2/NDF: 39.7/37



Right In: 0.005+/-0.000 χ^2/NDF: 2745089.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:9219477.7/20

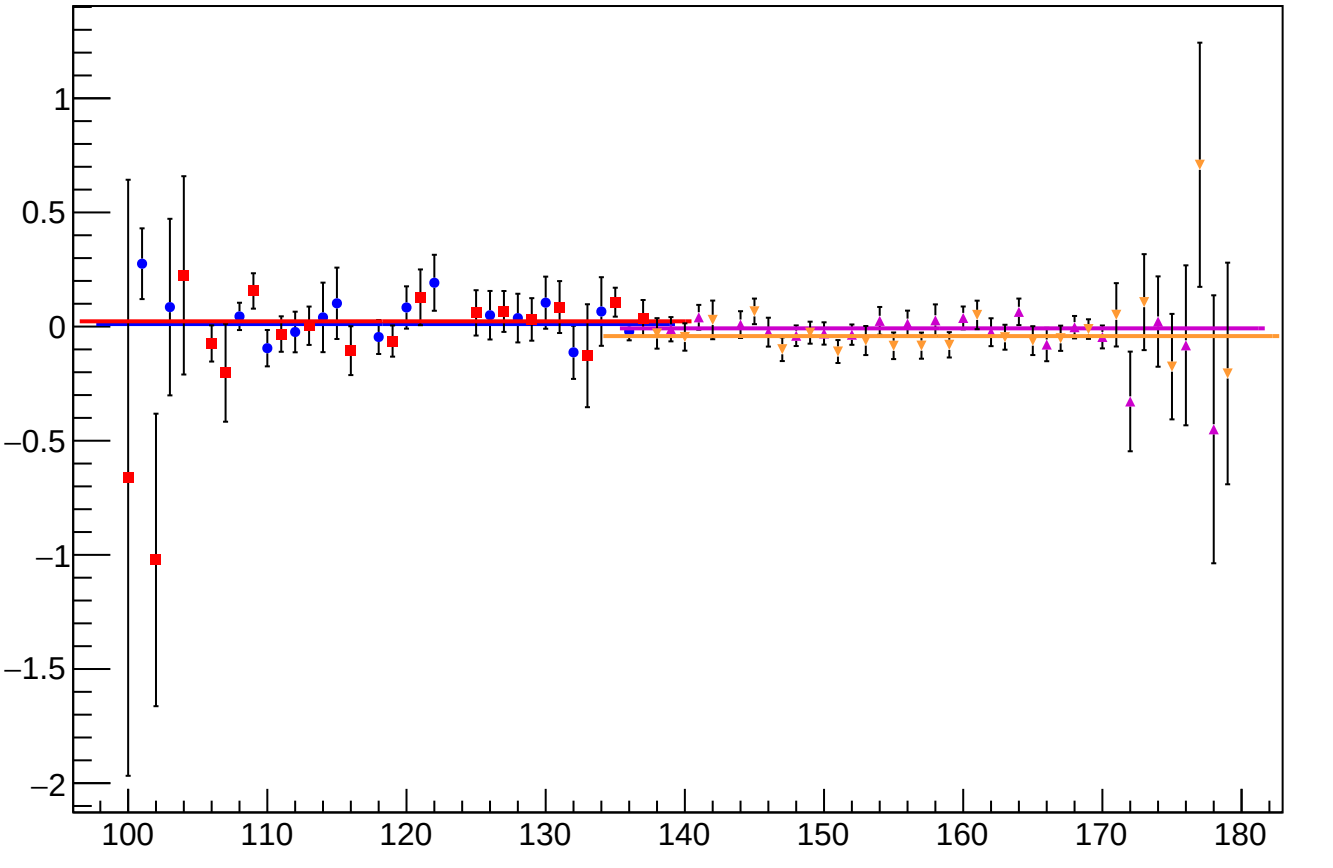
Right Out: 0.004+/-0.000 χ^2/NDF: 3108848.8/17

Left In: 0.002+/-0.000 χ^2/NDF:6200517.8/19

+ sign 0.002+/-0.000 χ^2/NDF: 15598940.7/36

All: 0.002+/-0.000 χ^2/NDF: 26811139.3/74

- sign 0.002+/-0.000 χ^2/NDF: 11190429.5/37



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.042+/-0.014 χ^2/NDF:15.5/20

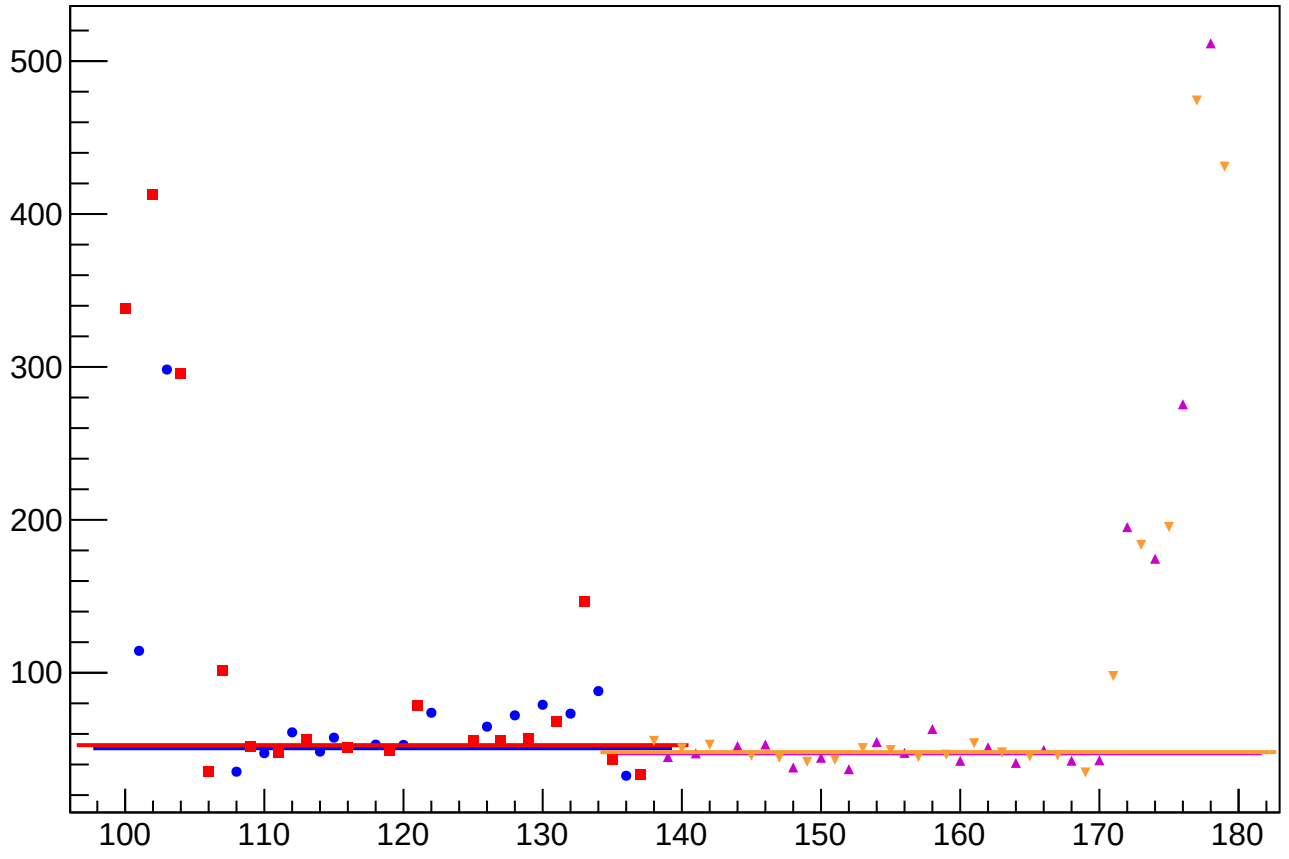
Right Out: 0.023+/-0.023 χ^2/NDF: 15.9/17

Left In: -0.008+/-0.014 χ^2/NDF:9.5/19

+ sign -0.026+/-0.012 χ^2/NDF: 31.3/36

All: -0.013+/-0.008 χ^2/NDF: 60.7/74

- sign 0.000+/-0.012 χ^2/NDF: 26.7/37



Right In: 50.646+/-0.015 χ^2/NDF: 2266348.3/15

Left Out: 48.109+/-0.010 χ^2/NDF:4745649.8/20

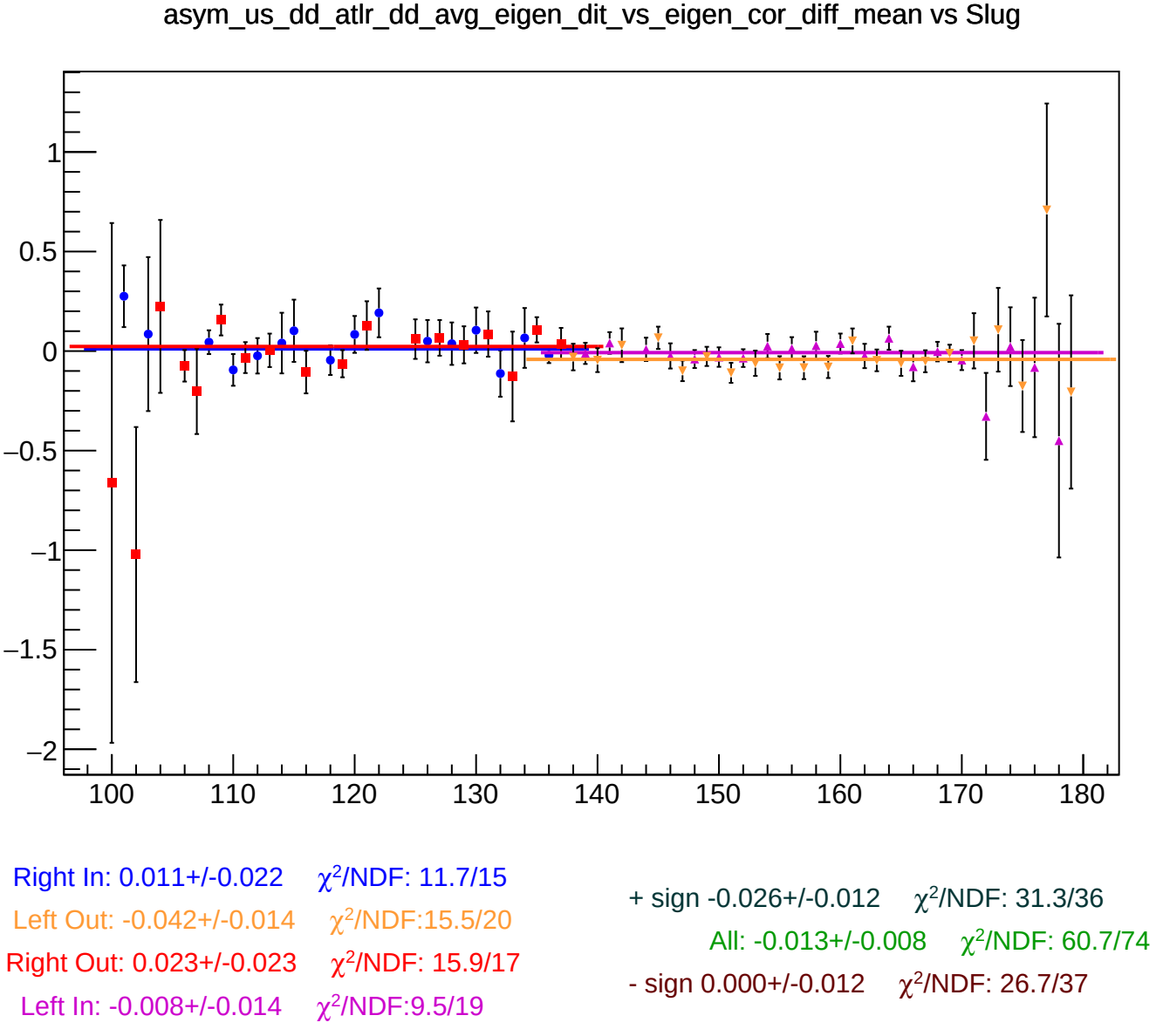
Right Out: 52.667+/-0.016 χ^2/NDF: 2211822.2/17

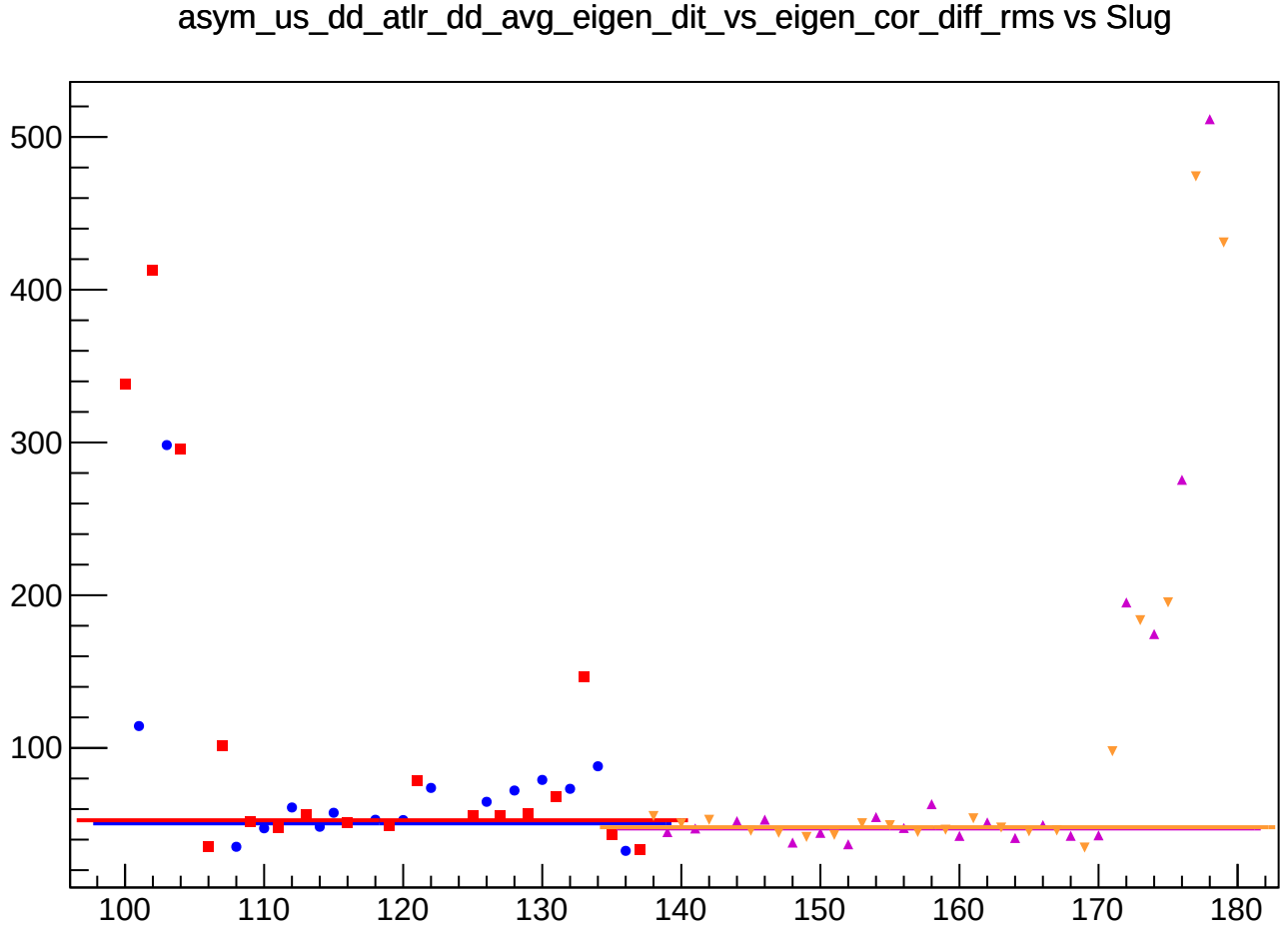
Left In: 47.301+/-0.010 χ^2/NDF:4300659.7/19

\+ sign 48.842+/-0.008 χ^2/NDF: 7031122.2/36

All: 48.758+/-0.006 χ^2/NDF: 13624028.3/74

\- sign 48.674+/-0.008 χ^2/NDF: 6592700.2/37


asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
1
0.5
0
−0.5
−1
−1.5
−2
100
110
120
130
140
150
160
170
180
Right In: 0.011+/-0.022 χ²/NDF: 11.7/15
Left Out: -0.042+/-0.014 χ²/NDF:15.5/20
Right Out: 0.023+/-0.023 χ²/NDF: 15.9/17
Left In: -0.008+/-0.014 χ²/NDF:9.5/19
+ sign -0.026+/-0.012 χ²/NDF: 31.3/36
All: -0.013+/-0.008 χ²/NDF: 60.7/74
- sign 0.000+/-0.012 χ²/NDF: 26.7/37



Right In: 50.646+/-0.015 χ^2/NDF: 2266348.3/15

Left Out: 48.109+/-0.010 χ^2/NDF:4745649.8/20

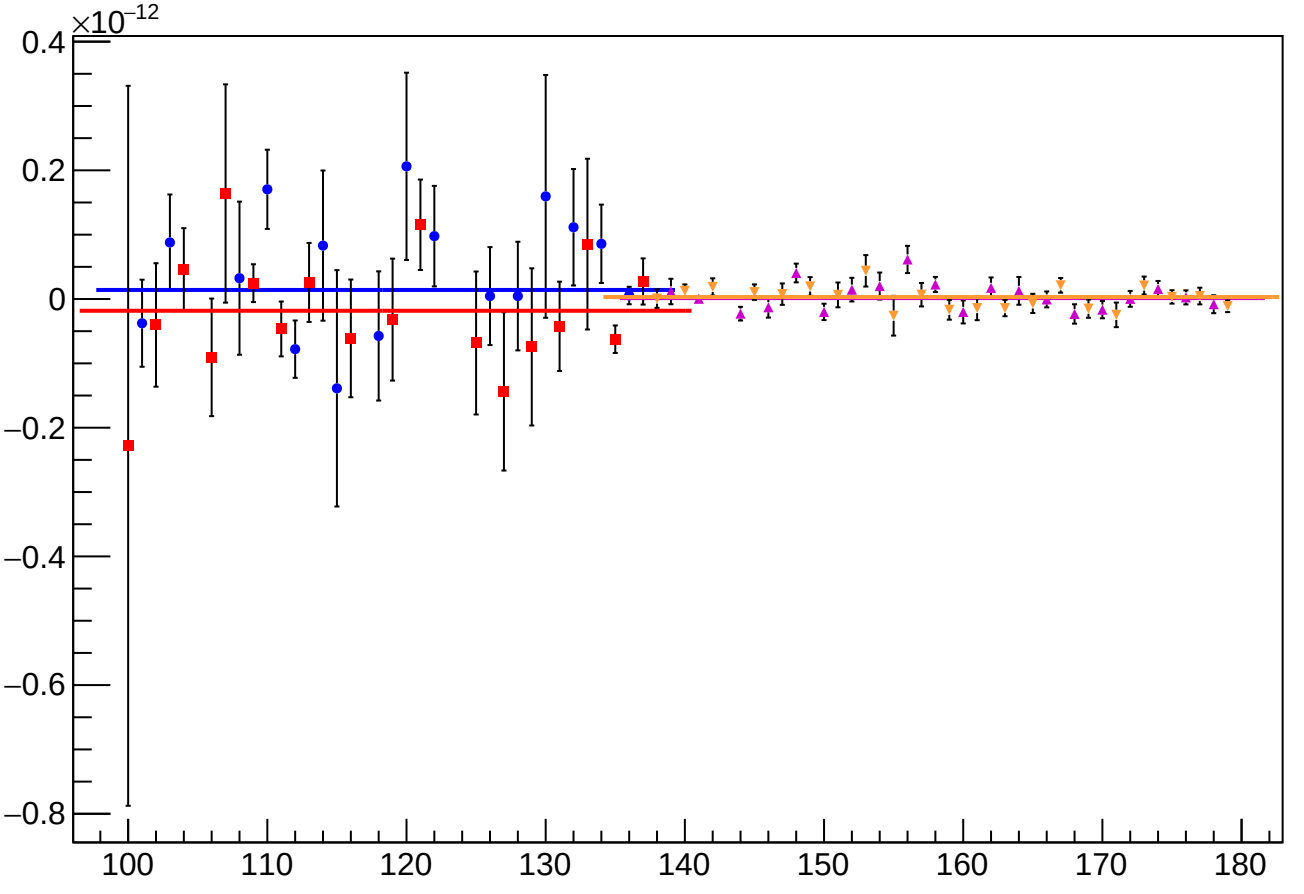
Right Out: 52.667+/-0.016 χ^2/NDF: 2211822.2/17

Left In: 47.301+/-0.010 χ^2/NDF:4300659.7/19

\+ sign 48.842+/-0.008 χ^2/NDF: 7031122.2/36

All: 48.758+/-0.006 χ^2/NDF: 13624028.3/74

\- sign 48.674+/-0.008 χ^2/NDF: 6592700.2/37



Right In: 0.000+/-0.000 χ^2/NDF: 20.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:22.9/20

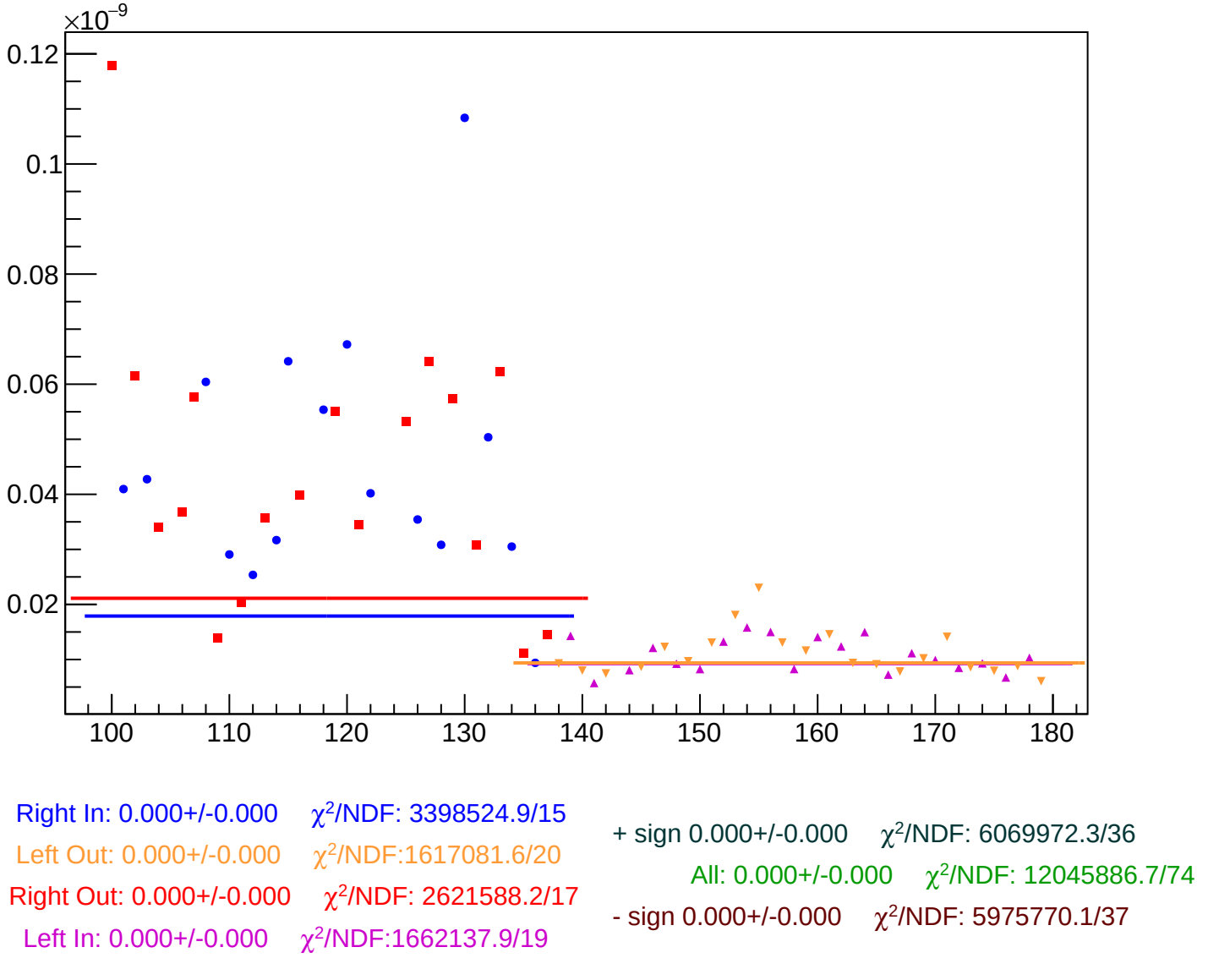
Right Out: -0.000+/-0.000 χ^2/NDF: 18.0/17

Left In: 0.000+/-0.000 χ^2/NDF:37.8/19

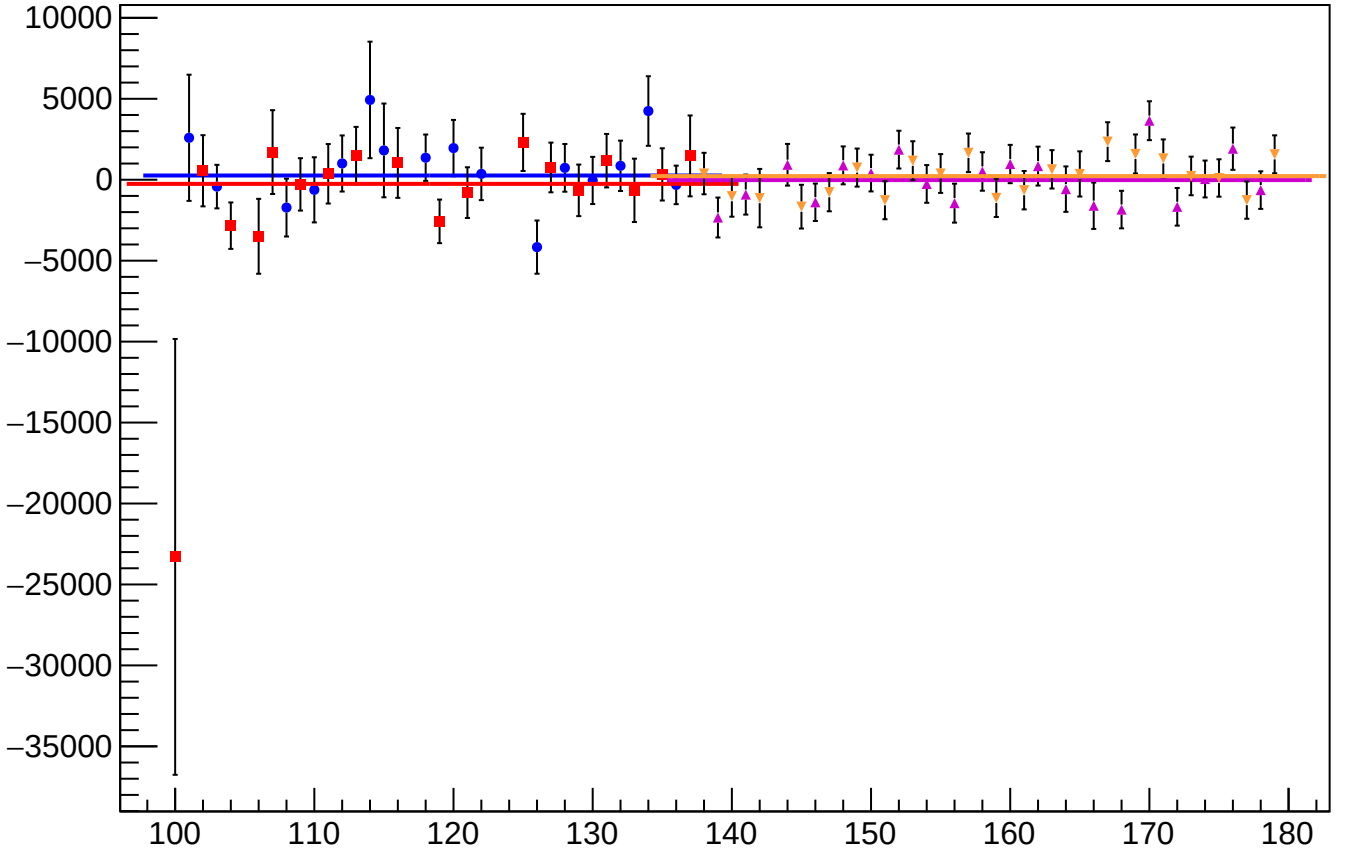
+ sign 0.000+/-0.000 χ^2/NDF: 44.1/36

All: 0.000+/-0.000 χ^2/NDF: 103.0/74

- sign 0.000+/-0.000 χ^2/NDF: 58.2/37


asym_us_dd_atlr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 3398524.9/15
Left Out: 0.000+/-0.000 χ²/NDF:1617081.6/20
Right Out: 0.000+/-0.000 χ²/NDF: 2621588.2/17
Left In: 0.000+/-0.000 χ²/NDF:1662137.9/19
+ sign 0.000+/-0.000 χ²/NDF: 6069972.3/36
All: 0.000+/-0.000 χ²/NDF: 12045886.7/74
- sign 0.000+/-0.000 χ²/NDF: 5975770.1/37

reg_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 260.797+/-424.657 χ^2/NDF: 16.9/15

Left Out: 225.098+/-266.733 χ^2/NDF:18.4/20

Right Out: -255.934+/-425.784 χ^2/NDF: 17.4/17

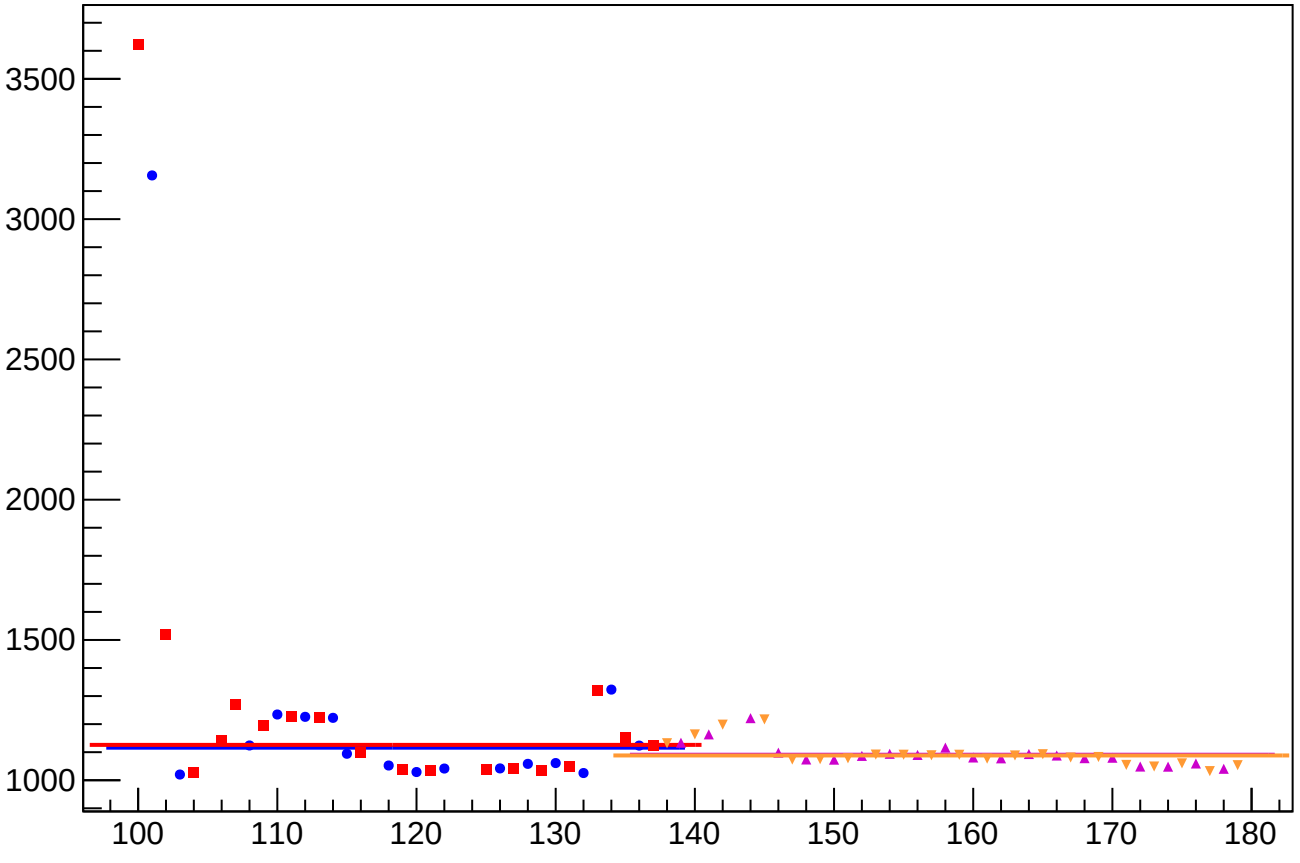
Left In: -22.577+/-270.011 χ^2/NDF:29.9/19

+ sign 235.197+/-225.872 χ^2/NDF: 35.4/36

All: 74.387+/-160.472 χ^2/NDF: 83.8/74

- sign -89.505+/-228.027 χ^2/NDF: 47.5/37

reg_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1116.089+/-0.300 χ^2/NDF: 623390.9/15

Left Out: 1088.340+/-0.189 χ^2/NDF:47390.0/20

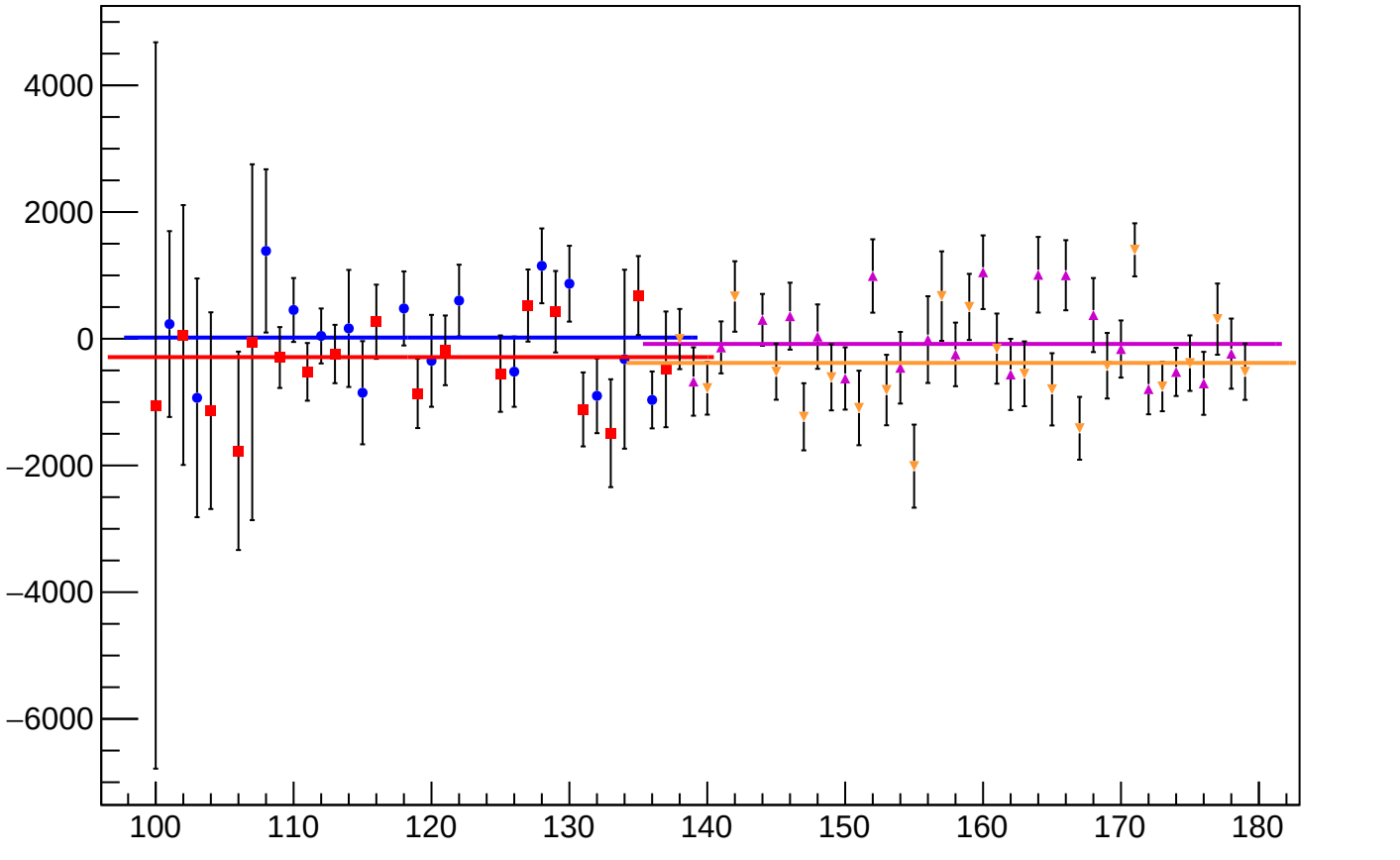
Right Out: 1126.016+/-0.301 χ^2/NDF: 222106.0/17

Left In: 1090.887+/-0.191 χ^2/NDF:42787.0/19

+ sign 1096.190+/-0.160 χ^2/NDF: 676904.9/36

All: 1098.554+/-0.113 χ^2/NDF: 951949.2/74

- sign 1100.962+/-0.161 χ^2/NDF: 274602.3/37



Right In: 18.468+/-161.237 χ^2/NDF: 19.2/15

Left Out: -381.630+/-109.425 χ^2/NDF:47.1/20

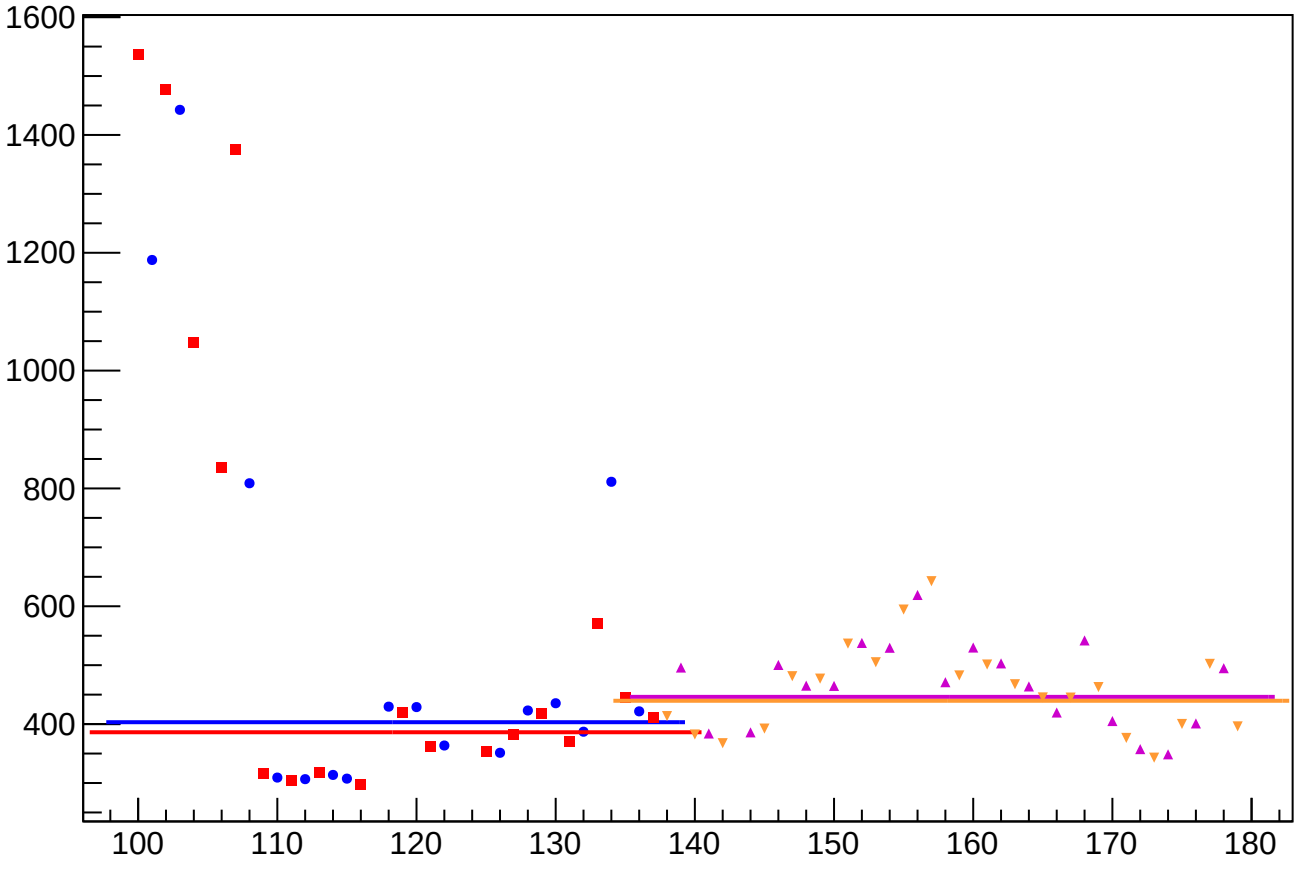
Right Out: -289.946+/-156.189 χ^2/NDF: 13.5/17

Left In: -82.083+/-111.983 χ^2/NDF:26.6/19

+ sign -255.462+/-90.543 χ^2/NDF: 70.5/36

All: -204.323+/-64.188 χ^2/NDF: 112.4/74

- sign -152.656+/-91.008 χ^2/NDF: 41.3/37



Right In: 403.194+/-0.114 χ^2/NDF: 1808432.3/15

Left Out: 439.585+/-0.077 χ^2/NDF:757931.2/20

Right Out: 386.146+/-0.110 χ^2/NDF: 1759113.8/17

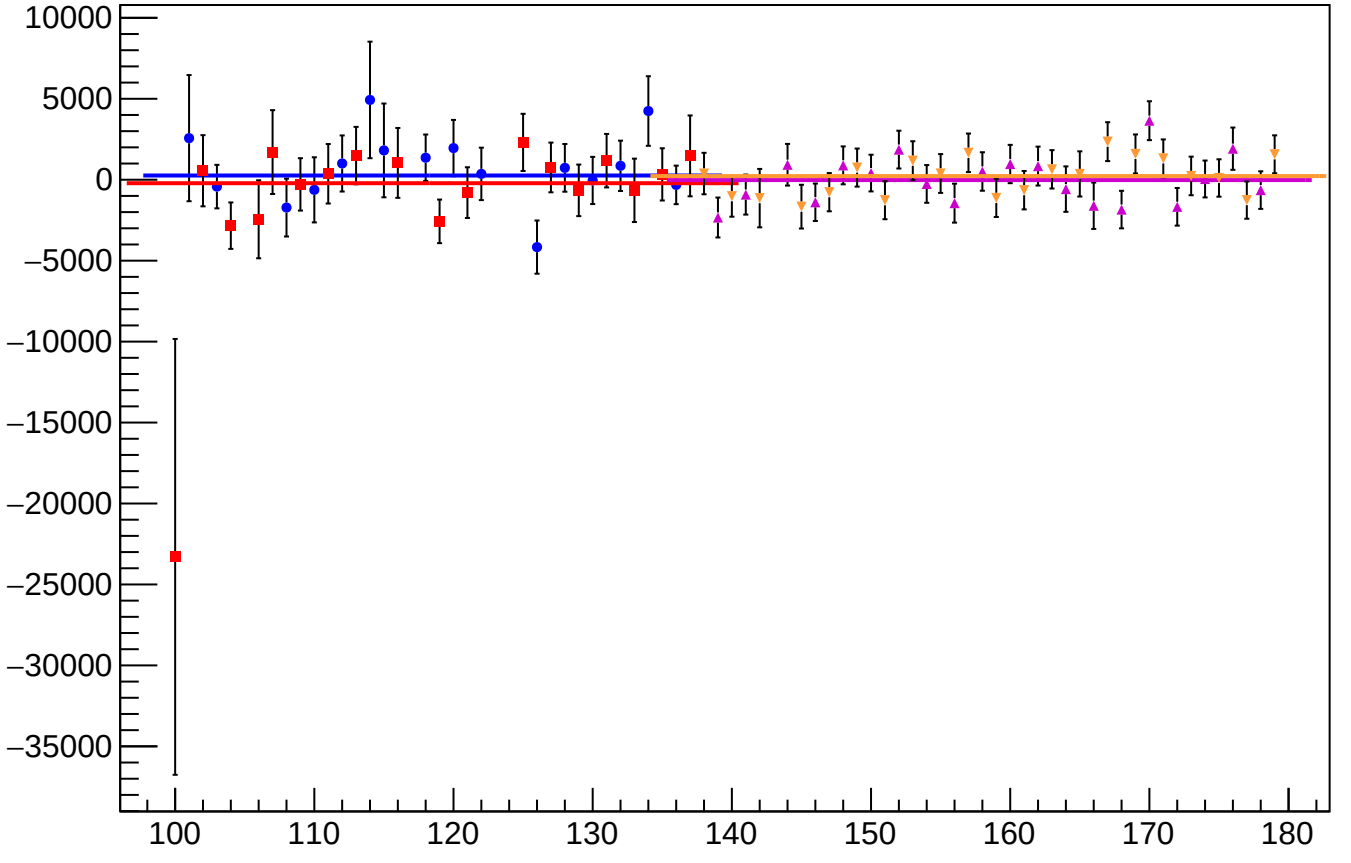
Left In: 446.205+/-0.079 χ^2/NDF:760456.7/19

+ sign 428.110+/-0.064 χ^2/NDF: 2636117.5/36

All: 426.968+/-0.045 χ^2/NDF: 5351647.3/74

- sign 425.814+/-0.064 χ^2/NDF: 2714890.2/37

cor_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 260.415+/-424.657 χ^2/NDF: 16.9/15

Left Out: 225.116+/-266.733 χ^2/NDF:18.4/20

Right Out: -214.501+/-426.342 χ^2/NDF: 16.2/17

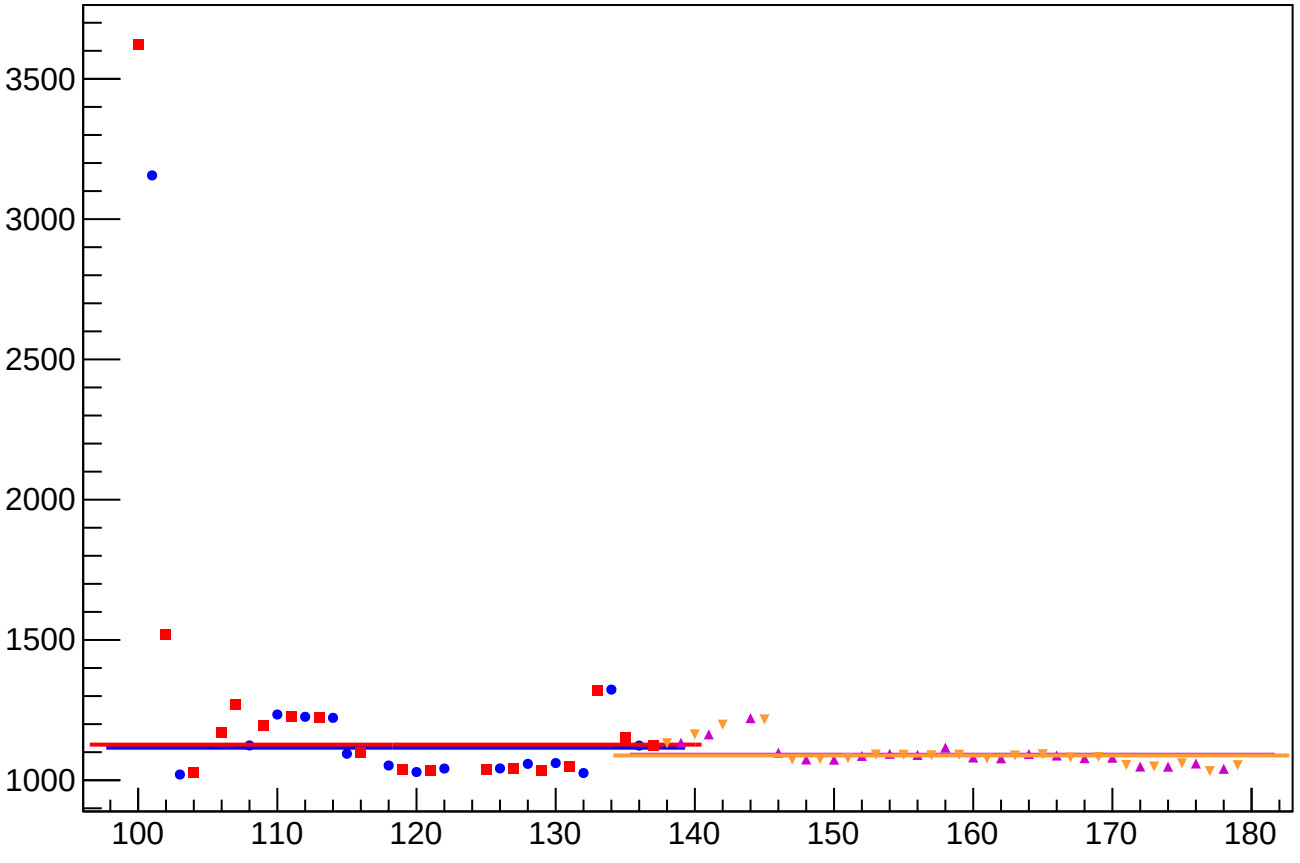
Left In: -22.578+/-270.011 χ^2/NDF:29.9/19

+ sign 235.103+/-225.872 χ^2/NDF: 35.3/36

All: 80.334+/-160.502 χ^2/NDF: 82.5/74

- sign -77.520+/-228.112 χ^2/NDF: 46.3/37

cor_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1116.089+/-0.300 χ^2/NDF: 623391.9/15

Left Out: 1088.340+/-0.189 χ^2/NDF:47390.0/20

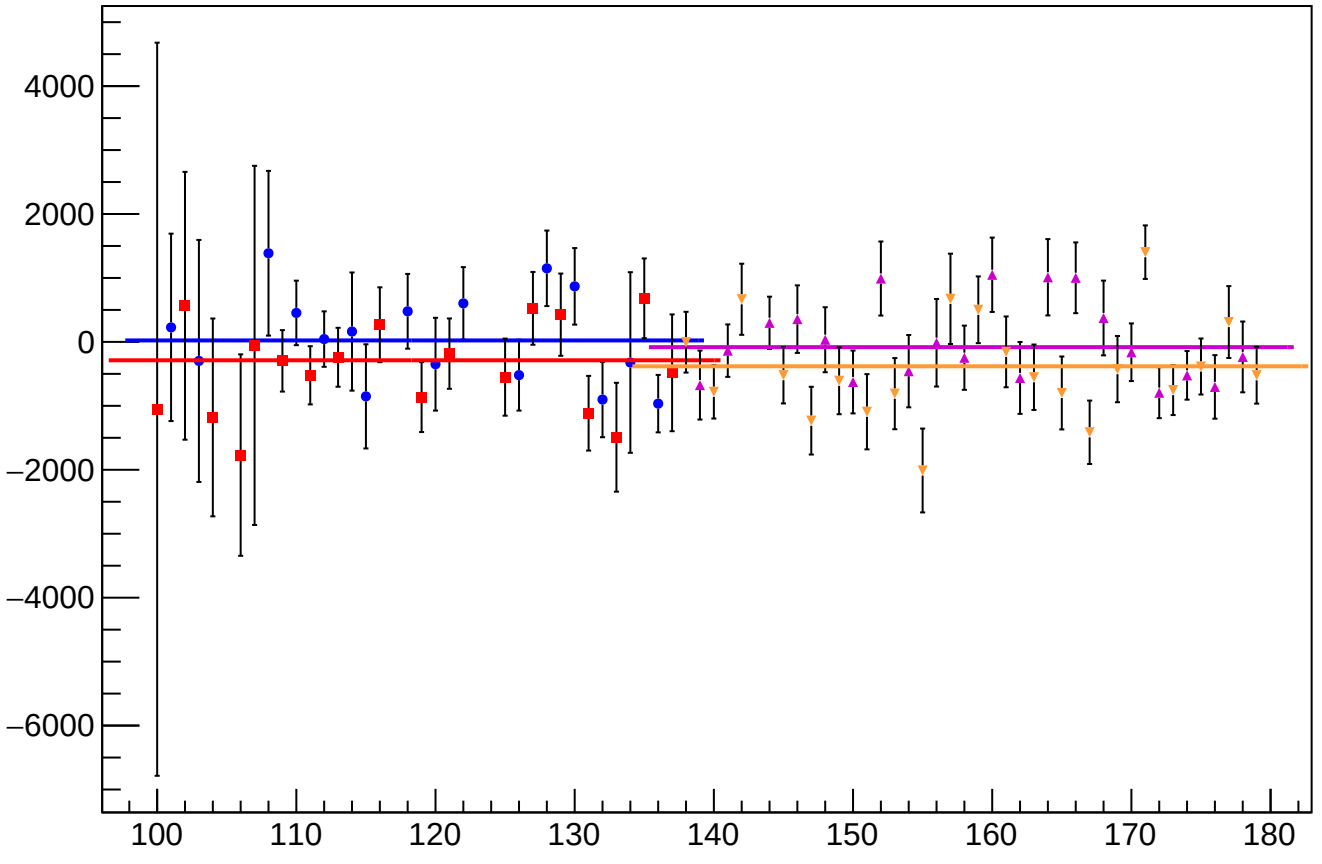
Right Out: 1126.960+/-0.301 χ^2/NDF: 222740.2/17

Left In: 1090.887+/-0.191 χ^2/NDF:42787.0/19

+ sign 1096.190+/-0.160 χ^2/NDF: 676905.8/36

All: 1098.677+/-0.113 χ^2/NDF: 953142.1/74

- sign 1101.214+/-0.161 χ^2/NDF: 275746.6/37



Right In: 22.923+/-161.238 χ^2/NDF: 19.0/15

Left Out: -381.668+/-109.425 χ^2/NDF:47.1/20

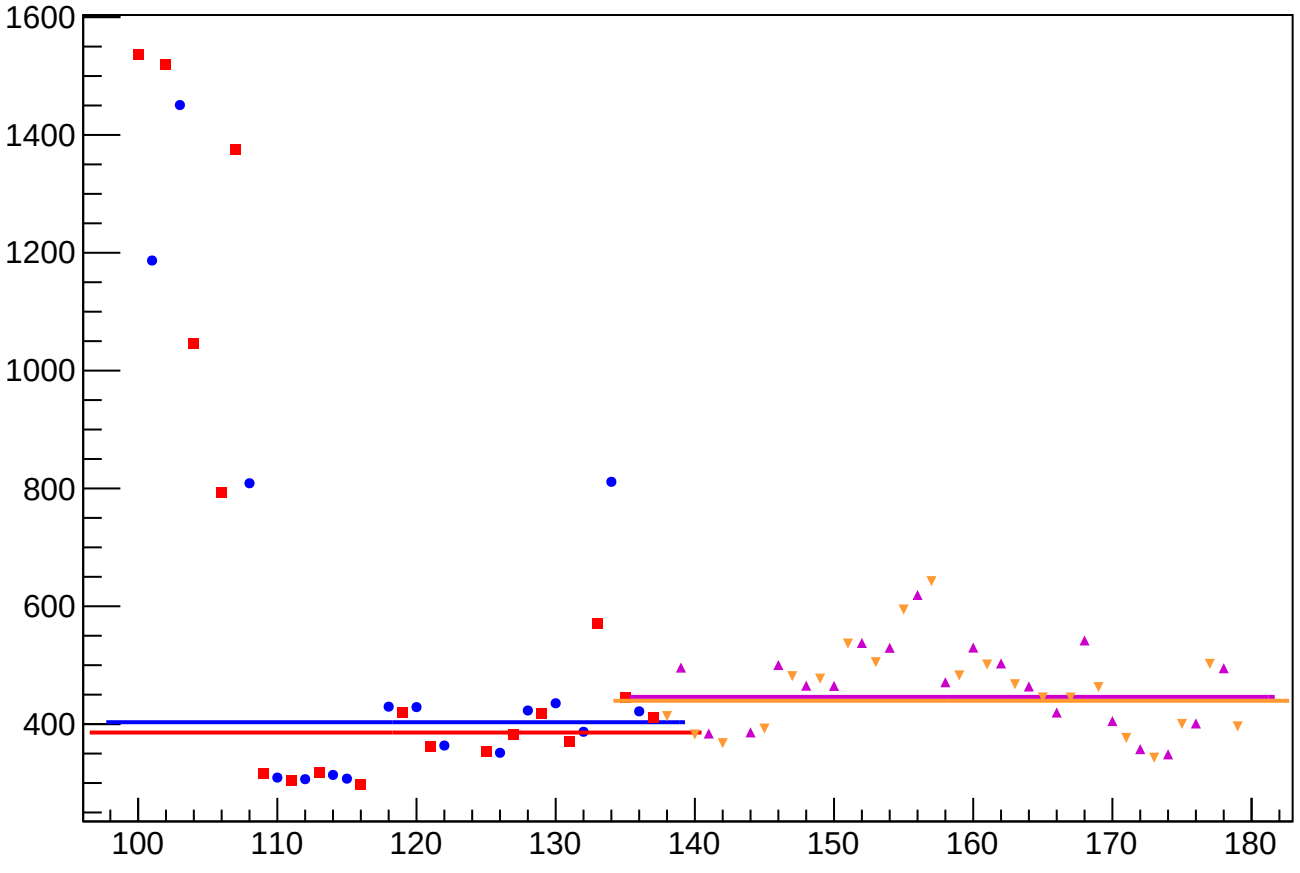
Right Out: -287.614+/-156.212 χ^2/NDF: 13.7/17

Left In: -82.061+/-111.983 χ^2/NDF:26.6/19

\+ sign -254.086+/-90.543 χ^2/NDF: 70.4/36

All: -203.226+/-64.189 χ^2/NDF: 112.4/74

\- sign -151.836+/-91.013 χ^2/NDF: 41.4/37



Right In: 403.182+/-0.114 χ^2/NDF: 1812111.0/15

Left Out: 439.583+/-0.077 χ^2/NDF:757993.7/20

Right Out: 385.682+/-0.110 χ^2/NDF: 1747152.2/17

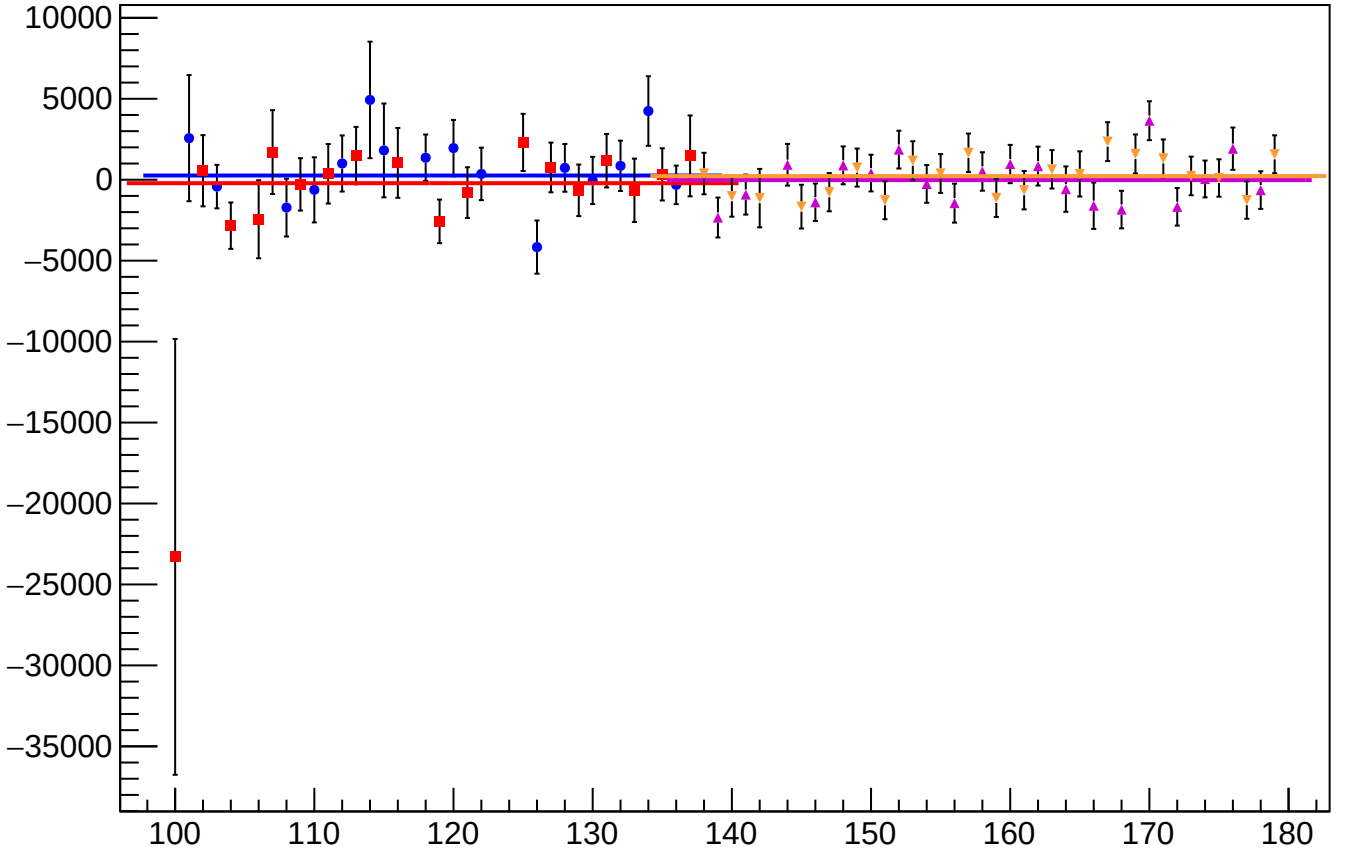
Left In: 446.206+/-0.079 χ^2/NDF:760332.6/19

+ sign 428.105+/-0.064 χ^2/NDF: 2639896.3/36

All: 426.889+/-0.045 χ^2/NDF: 5346426.5/74

- sign 425.661+/-0.064 χ^2/NDF: 2705805.5/37

eigen_cor_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 260.415+/-424.657 χ^2/NDF: 16.9/15

Left Out: 225.116+/-266.733 χ^2/NDF:18.4/20

Right Out: -214.501+/-426.342 χ^2/NDF: 16.2/17

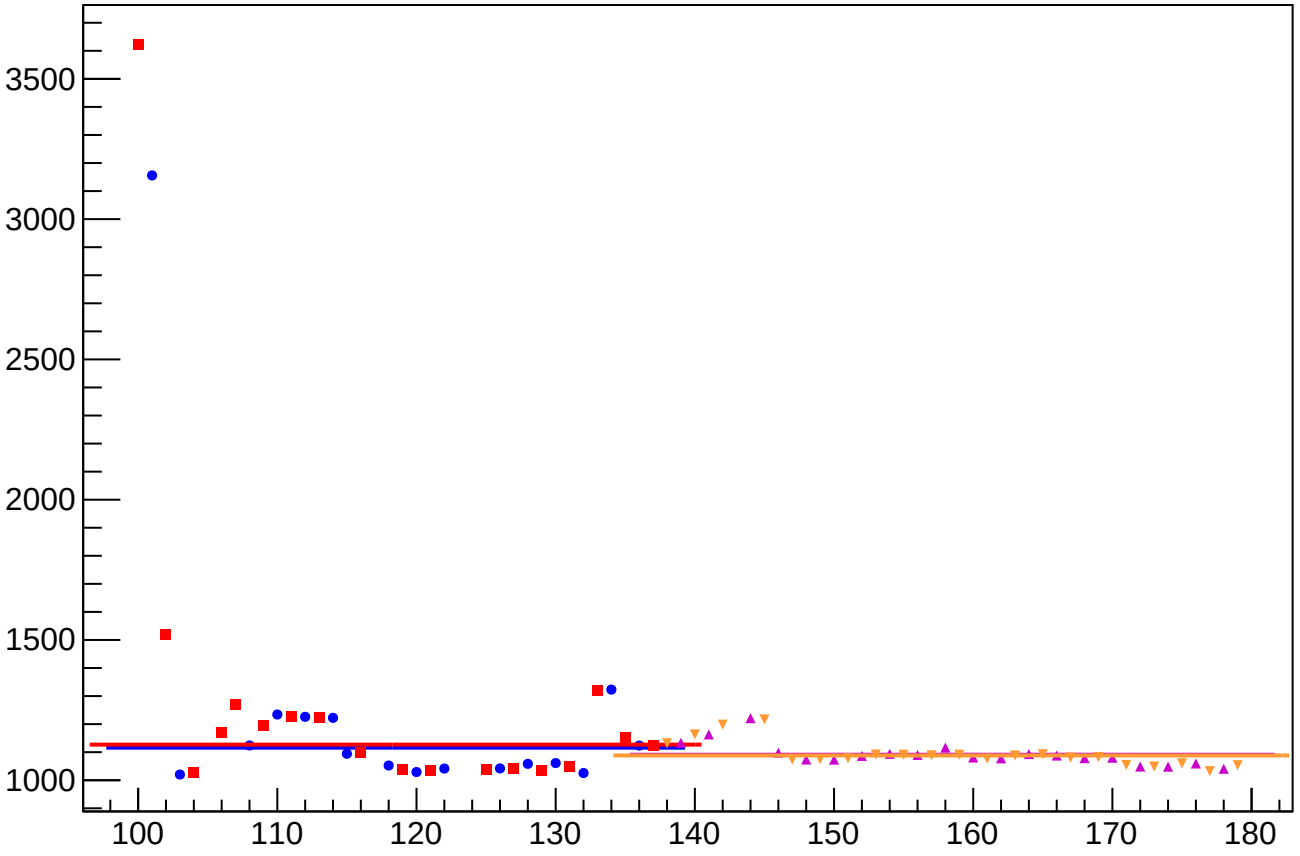
Left In: -22.578+/-270.011 χ^2/NDF:29.9/19

+ sign 235.103+/-225.872 χ^2/NDF: 35.3/36

All: 80.334+/-160.502 χ^2/NDF: 82.5/74

- sign -77.520+/-228.112 χ^2/NDF: 46.3/37

eigen_cor_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1116.089+/-0.300 χ^2/NDF: 623391.9/15

Left Out: 1088.340+/-0.189 χ^2/NDF:47390.0/20

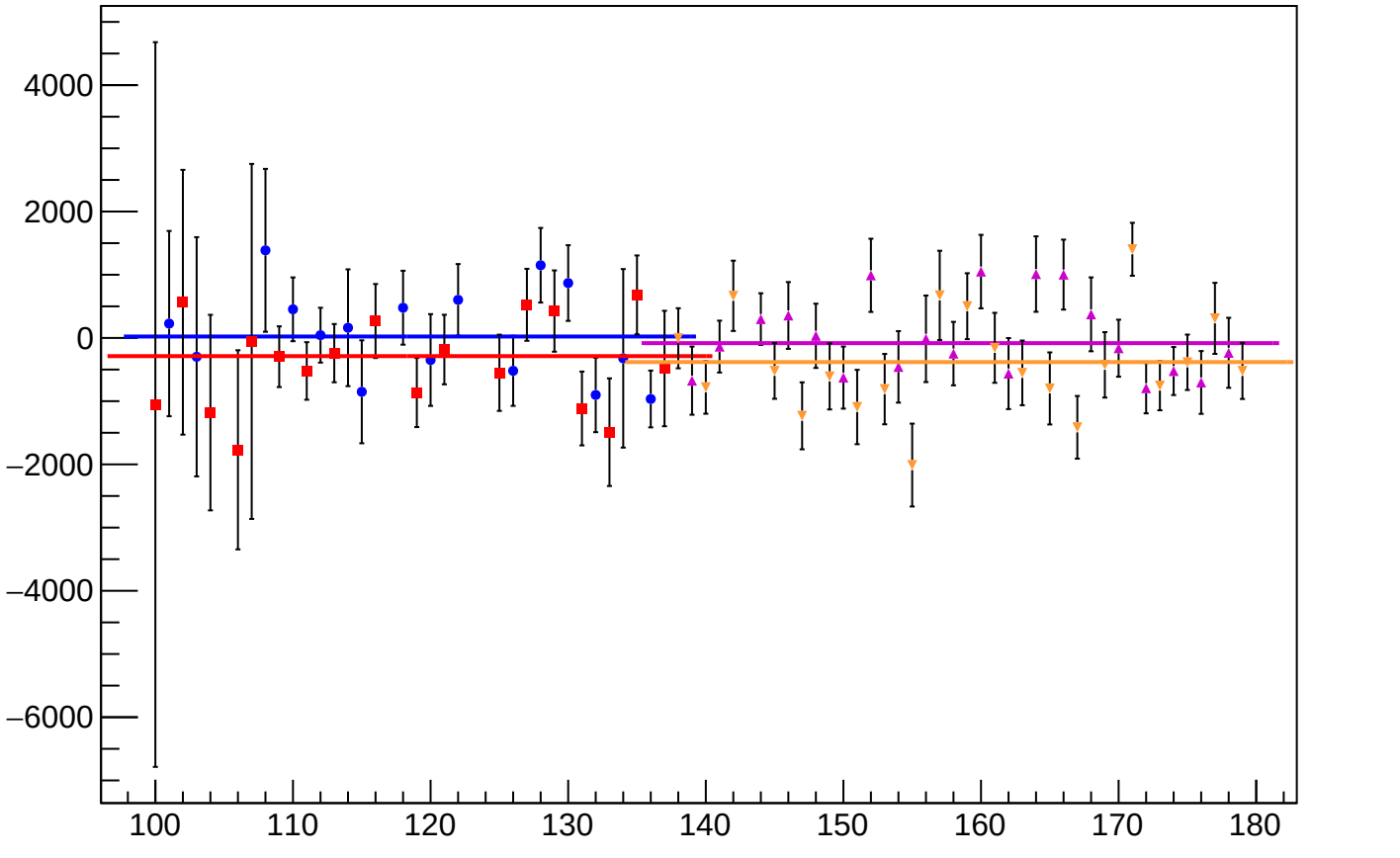
Right Out: 1126.960+/-0.301 χ^2/NDF: 222740.2/17

Left In: 1090.887+/-0.191 χ^2/NDF:42787.0/19

+ sign 1096.190+/-0.160 χ^2/NDF: 676905.8/36

All: 1098.677+/-0.113 χ^2/NDF: 953142.1/74

- sign 1101.214+/-0.161 χ^2/NDF: 275746.6/37



Right In: 22.923+/-161.238 χ^2/NDF: 19.0/15

Left Out: -381.668+/-109.425 χ^2/NDF:47.1/20

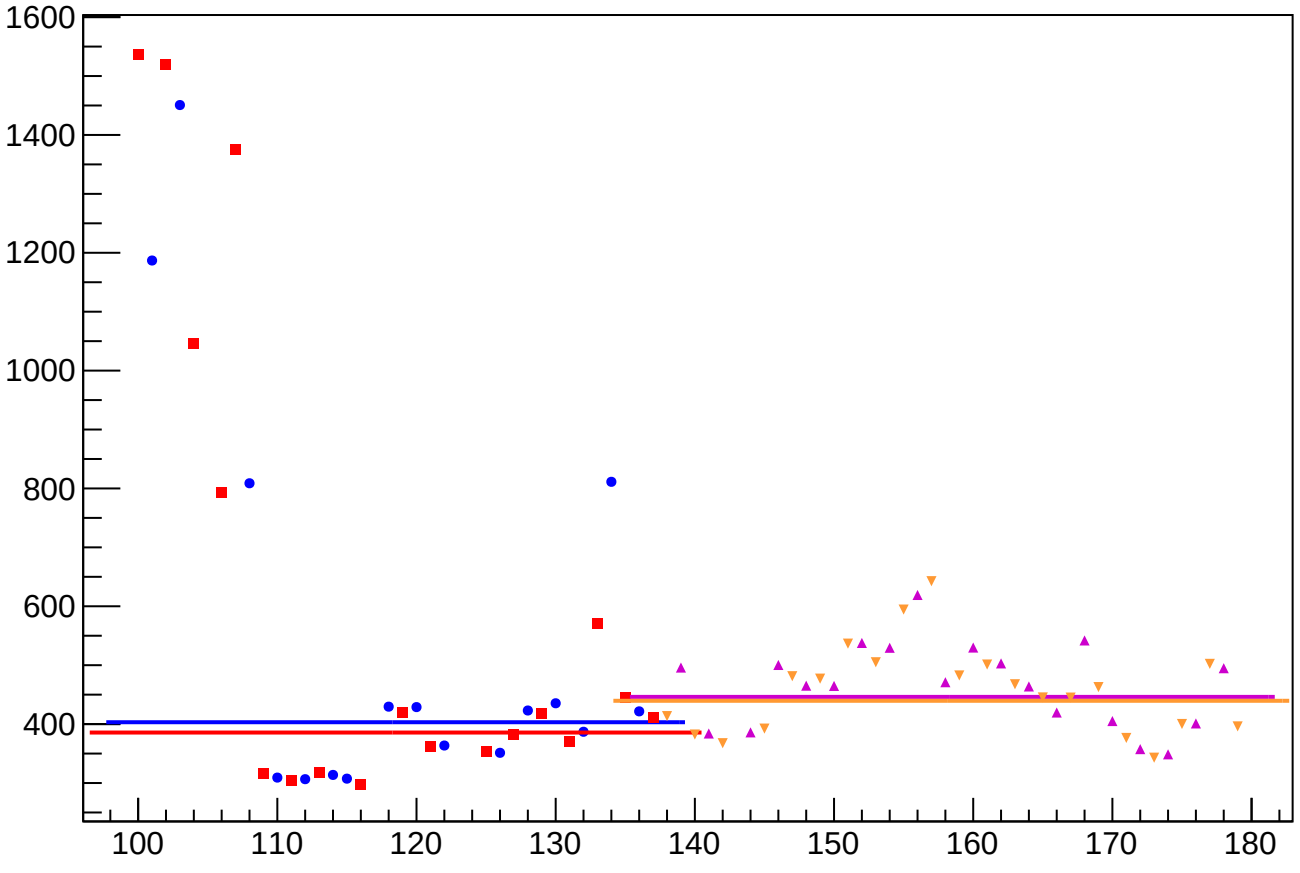
Right Out: -287.614+/-156.212 χ^2/NDF: 13.7/17

Left In: -82.061+/-111.983 χ^2/NDF:26.6/19

+ sign -254.086+/-90.543 χ^2/NDF: 70.4/36

All: -203.226+/-64.189 χ^2/NDF: 112.4/74

- sign -151.836+/-91.013 χ^2/NDF: 41.4/37



Right In: 403.182+/-0.114 χ^2/NDF: 1812111.0/15

Left Out: 439.583+/-0.077 χ^2/NDF:757993.7/20

Right Out: 385.682+/-0.110 χ^2/NDF: 1747152.2/17

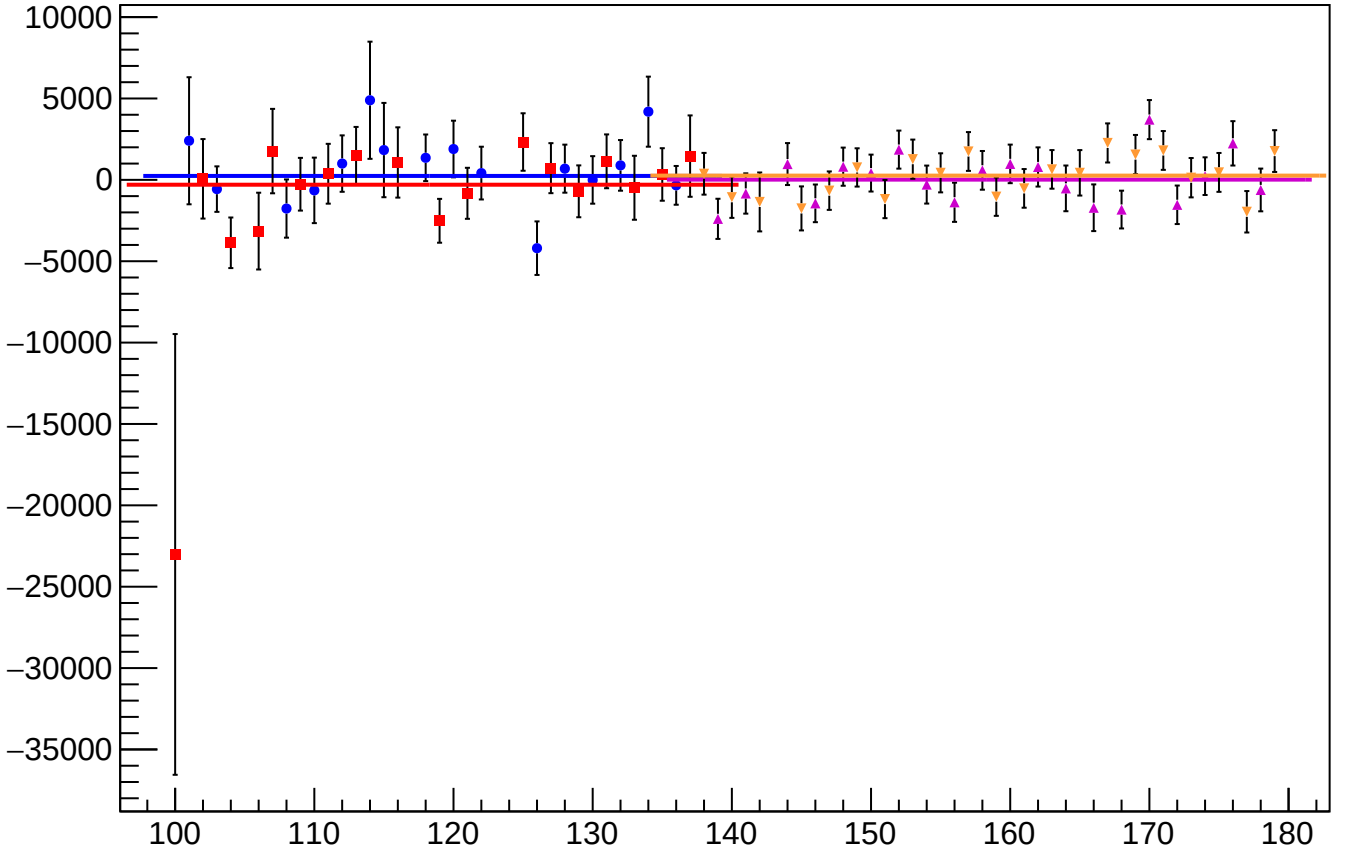
Left In: 446.206+/-0.079 χ^2/NDF:760332.6/19

+ sign 428.105+/-0.064 χ^2/NDF: 2639896.3/36

All: 426.889+/-0.045 χ^2/NDF: 5346426.5/74

- sign 425.661+/-0.064 χ^2/NDF: 2705805.5/37

dit_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 240.827+/-426.592 χ^2/NDF: 17.0/15

Left Out: 260.625+/-270.386 χ^2/NDF:20.5/20

Right Out: -298.921+/-430.767 χ^2/NDF: 18.7/17

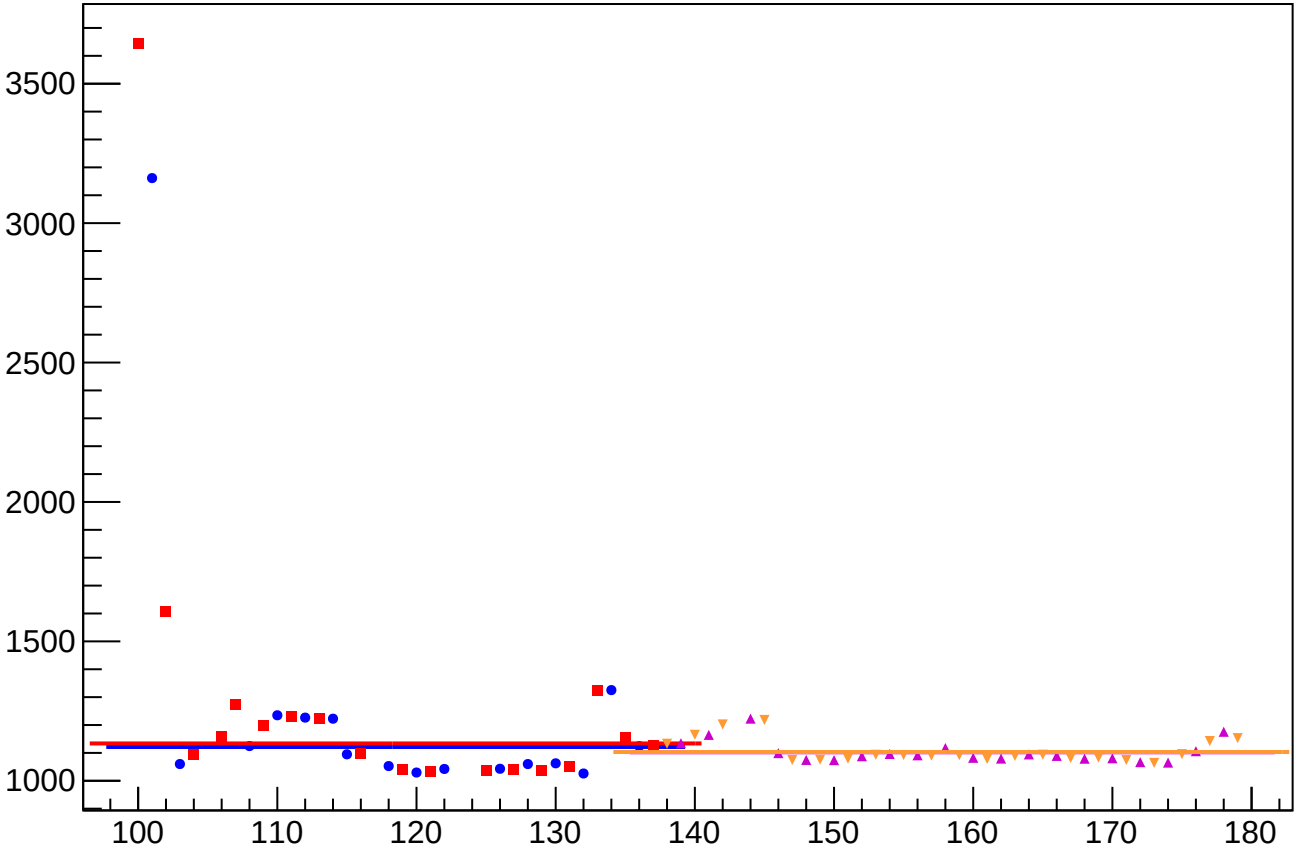
Left In: 13.746+/-272.834 χ^2/NDF:30.4/19

+ sign 254.951+/-228.376 χ^2/NDF: 37.5/36

All: 91.114+/-162.229 χ^2/NDF: 88.0/74

- sign -75.771+/-230.492 χ^2/NDF: 49.5/37

dit_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1121.294+/-0.302 χ^2/NDF: 617028.4/15

Left Out: 1103.285+/-0.191 χ^2/NDF:40698.8/20

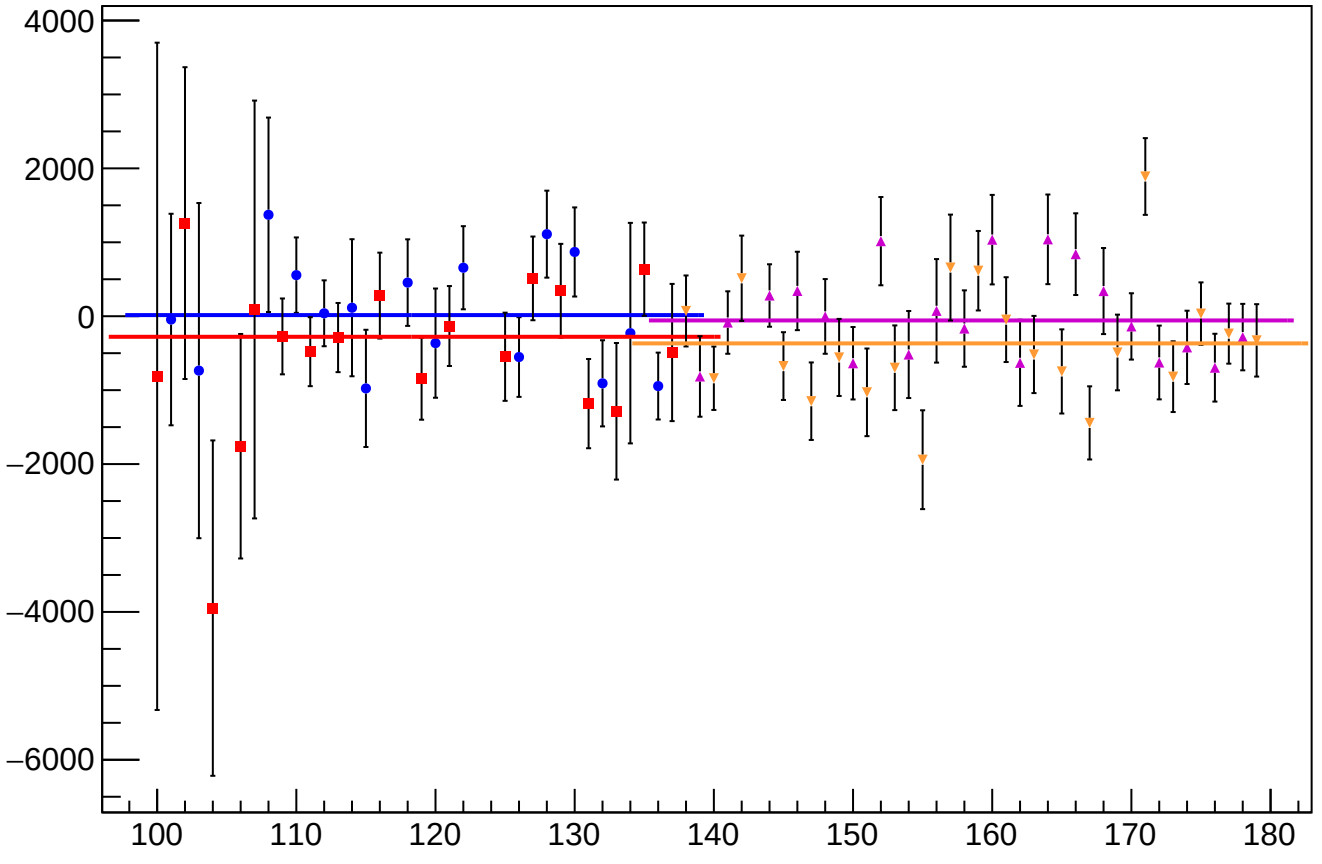
Right Out: 1133.929+/-0.305 χ^2/NDF: 227457.1/17

Left In: 1102.264+/-0.193 χ^2/NDF:40195.5/19

+ sign 1108.446+/-0.161 χ^2/NDF: 660270.1/36

All: 1109.875+/-0.115 χ^2/NDF: 935793.7/74

- sign 1111.330+/-0.163 χ^2/NDF: 275365.7/37



Right In: 15.291+/-161.845 χ^2/NDF: 19.6/15

Left Out: -367.471+/-111.800 χ^2/NDF:46.1/20

Right Out: -278.251+/-158.828 χ^2/NDF: 15.1/17

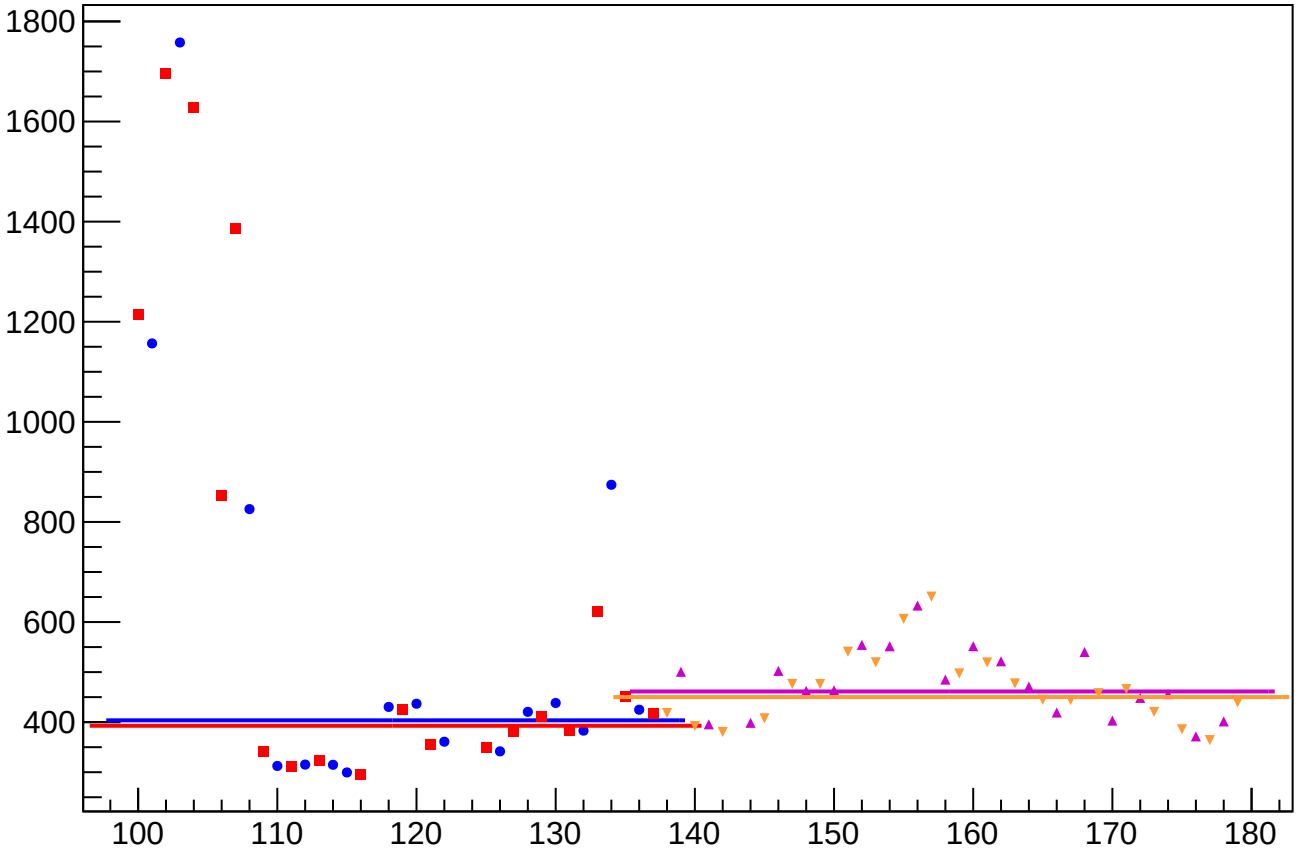
Left In: -57.087+/-115.420 χ^2/NDF:23.1/19

+ sign -243.826+/-91.987 χ^2/NDF: 69.5/36

All: -189.495+/-65.528 χ^2/NDF: 109.7/74

- sign -133.519+/-93.370 χ^2/NDF: 39.5/37

asym_us_dd_atlr_dd_dd_dit_correction_rms vs Slug



Right In: 403.656+/-0.114 χ^2/NDF: 1929597.5/15

Left Out: 450.146+/-0.079 χ^2/NDF:641681.1/20

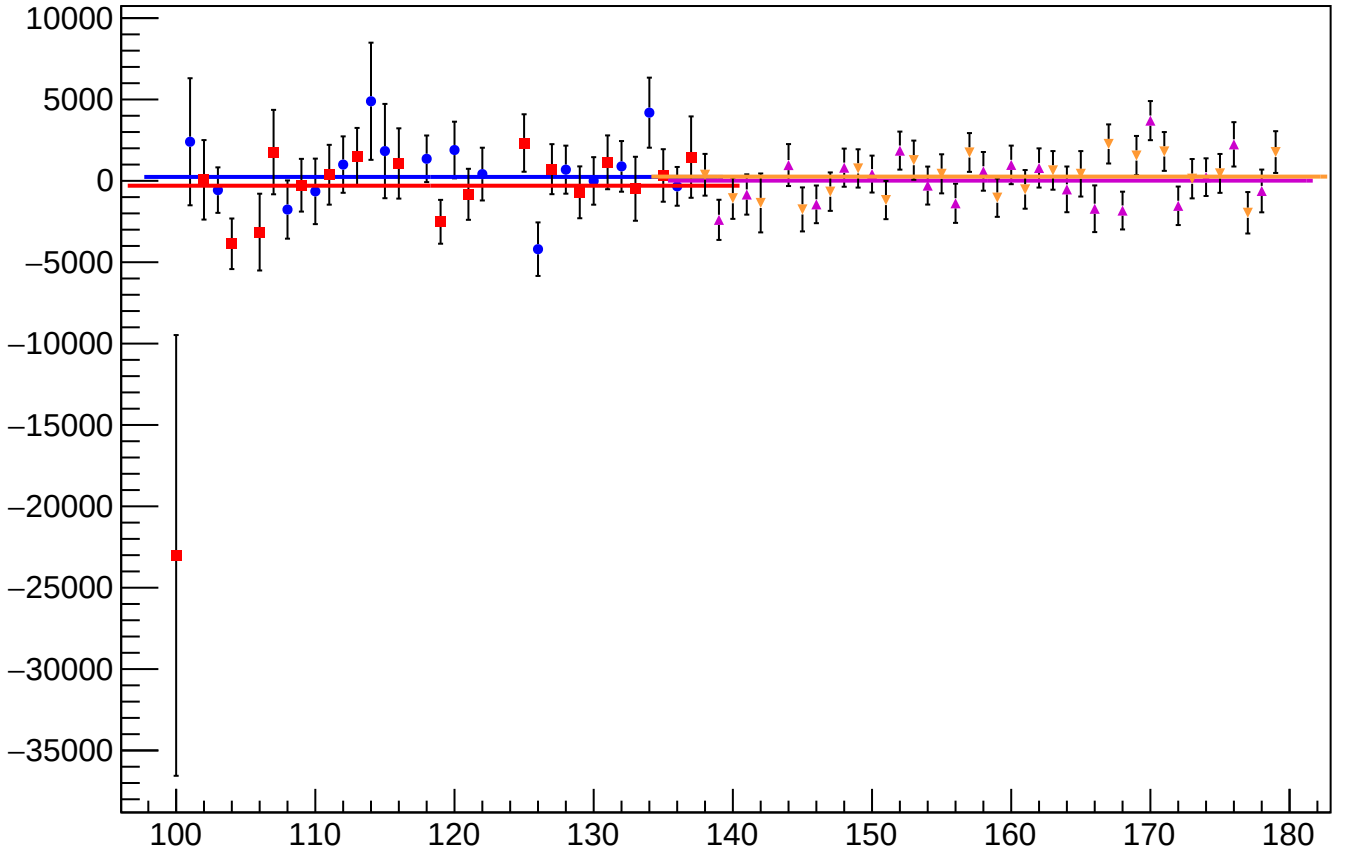
Right Out: 392.820+/-0.112 χ^2/NDF: 2203456.1/17

Left In: 461.302+/-0.082 χ^2/NDF:596716.7/19

+ sign 435.128+/-0.065 χ^2/NDF: 2682994.8/36

All: 436.363+/-0.046 χ^2/NDF: 5727220.4/74

- sign 437.636+/-0.066 χ^2/NDF: 3043493.5/37



Right In: 240.829+/-426.592 χ^2/NDF: 17.0/15

Left Out: 260.622+/-270.386 χ^2/NDF:20.5/20

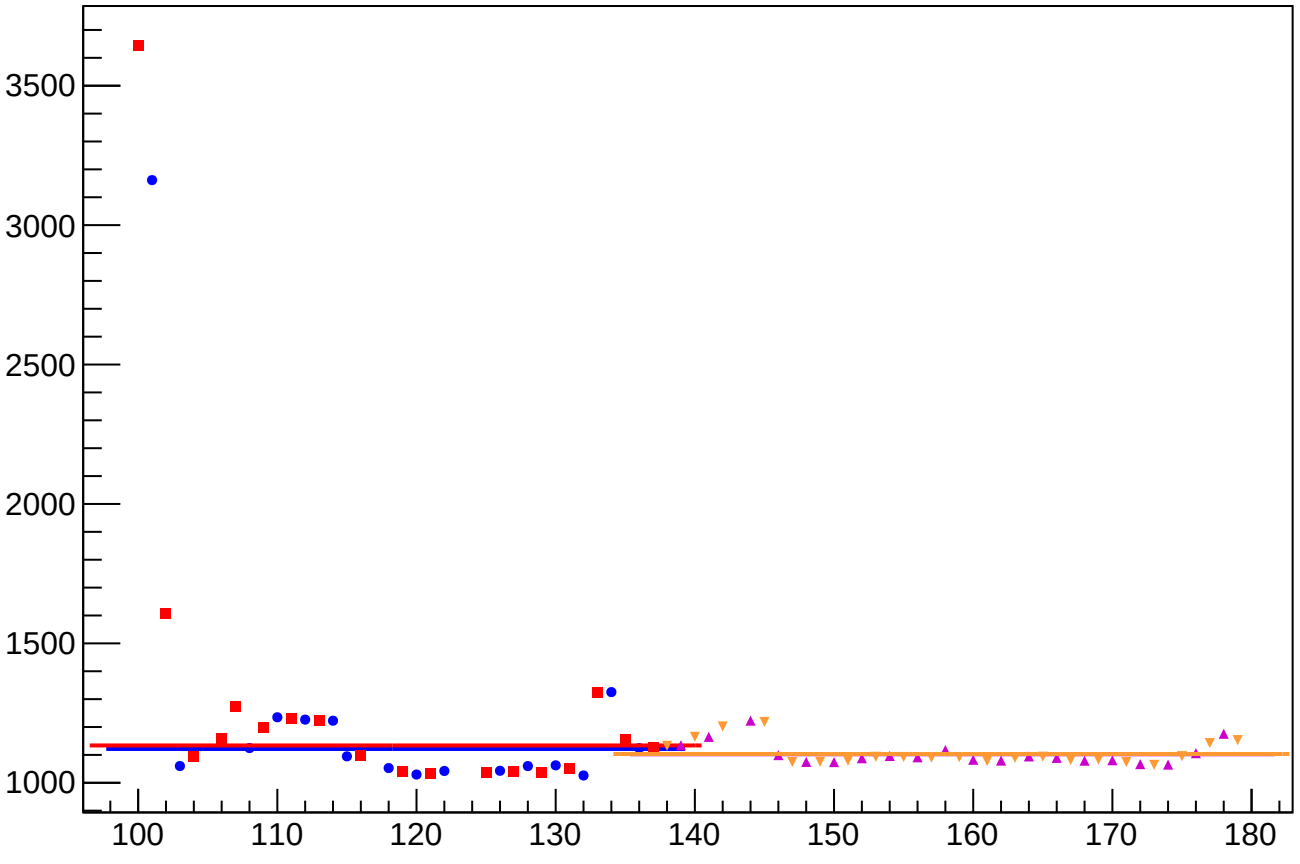
Right Out: -298.922+/-430.767 χ^2/NDF: 18.7/17

Left In: 13.745+/-272.834 χ^2/NDF:30.4/19

+ sign 254.949+/-228.376 χ^2/NDF: 37.5/36

All: 91.113+/-162.229 χ^2/NDF: 88.0/74

- sign -75.773+/-230.492 χ^2/NDF: 49.5/37



Right In: 1121.294+/-0.302 χ^2/NDF: 617028.4/15

Left Out: 1103.285+/-0.191 χ^2/NDF:40699.2/20

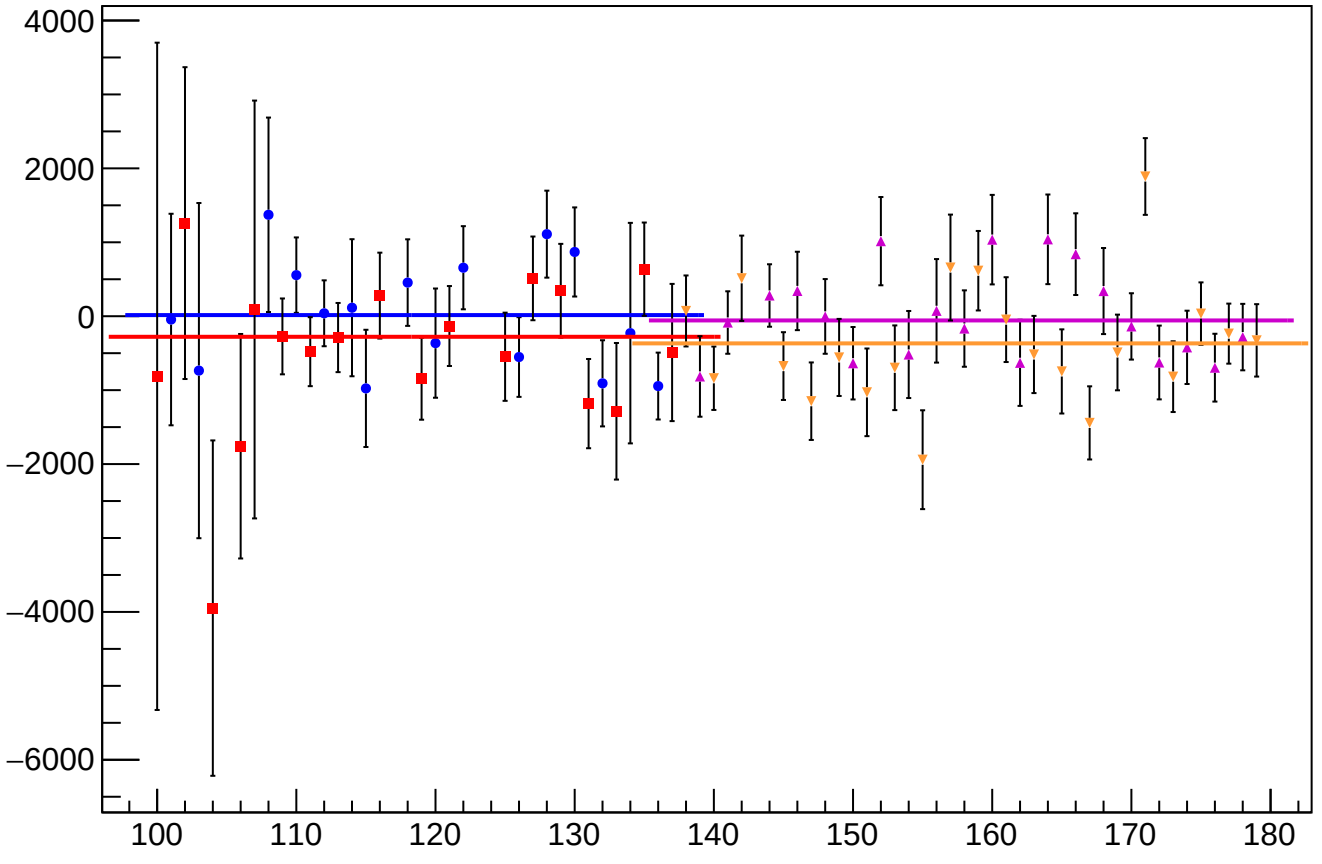
Right Out: 1133.929+/-0.305 χ^2/NDF: 227457.1/17

Left In: 1102.264+/-0.193 χ^2/NDF:40195.7/19

+ sign 1108.446+/-0.161 χ^2/NDF: 660270.5/36

All: 1109.875+/-0.115 χ^2/NDF: 935794.4/74

- sign 1111.330+/-0.163 χ^2/NDF: 275366.0/37



Right In: 15.288+/-161.844 χ^2/NDF: 19.6/15

Left Out: -367.473+/-111.800 χ^2/NDF:46.1/20

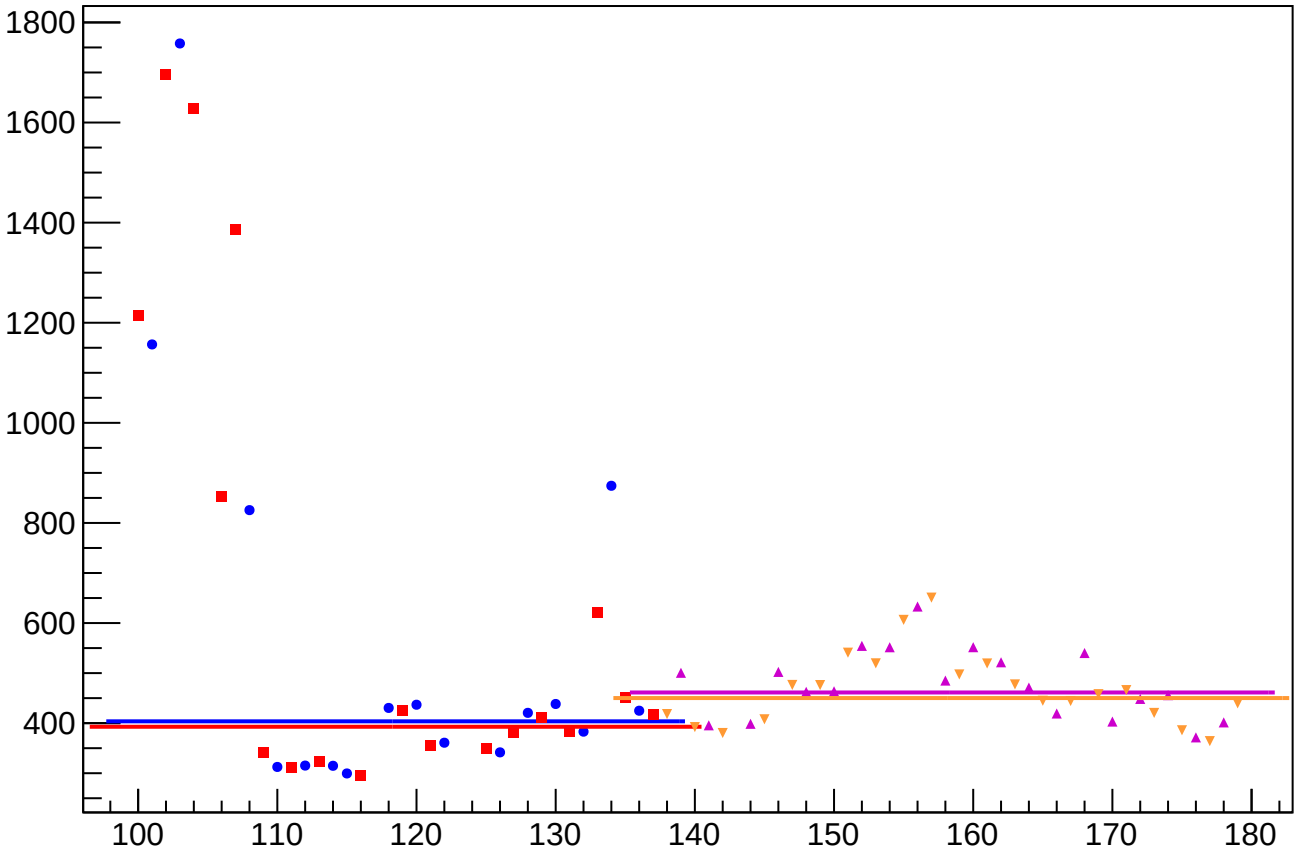
Right Out: -278.249+/-158.826 χ^2/NDF: 15.1/17

Left In: -57.088+/-115.420 χ^2/NDF:23.1/19

\+ sign -243.827+/-91.987 χ^2/NDF: 69.5/36

All: -189.496+/-65.528 χ^2/NDF: 109.7/74

\- sign -133.520+/-93.369 χ^2/NDF: 39.5/37



Right In: 403.653+/-0.114 χ^2/NDF: 1929594.3/15

Left Out: 450.146+/-0.079 χ^2/NDF:641700.5/20

Right Out: 392.817+/-0.112 χ^2/NDF: 2203462.7/17

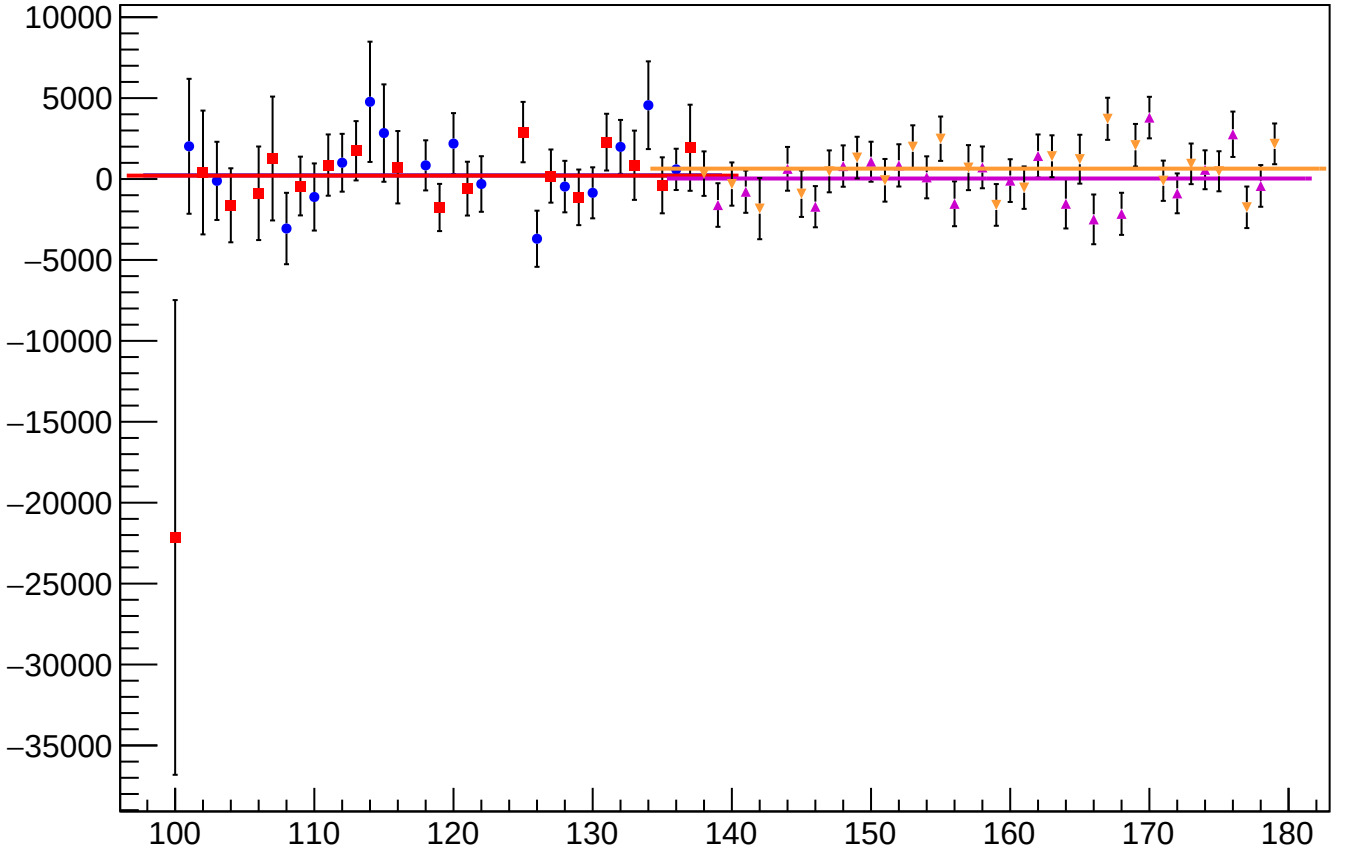
Left In: 461.303+/-0.082 χ^2/NDF:596727.7/19

+ sign 435.127+/-0.065 χ^2/NDF: 2683026.3/36

All: 436.362+/-0.046 χ^2/NDF: 5727297.1/74

- sign 437.635+/-0.066 χ^2/NDF: 3043538.6/37

asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 224.817+/-474.559 χ^2/NDF: 16.1/15

Left Out: 642.073+/-291.032 χ^2/NDF:23.4/20

Right Out: 209.751+/-477.820 χ^2/NDF: 11.0/17

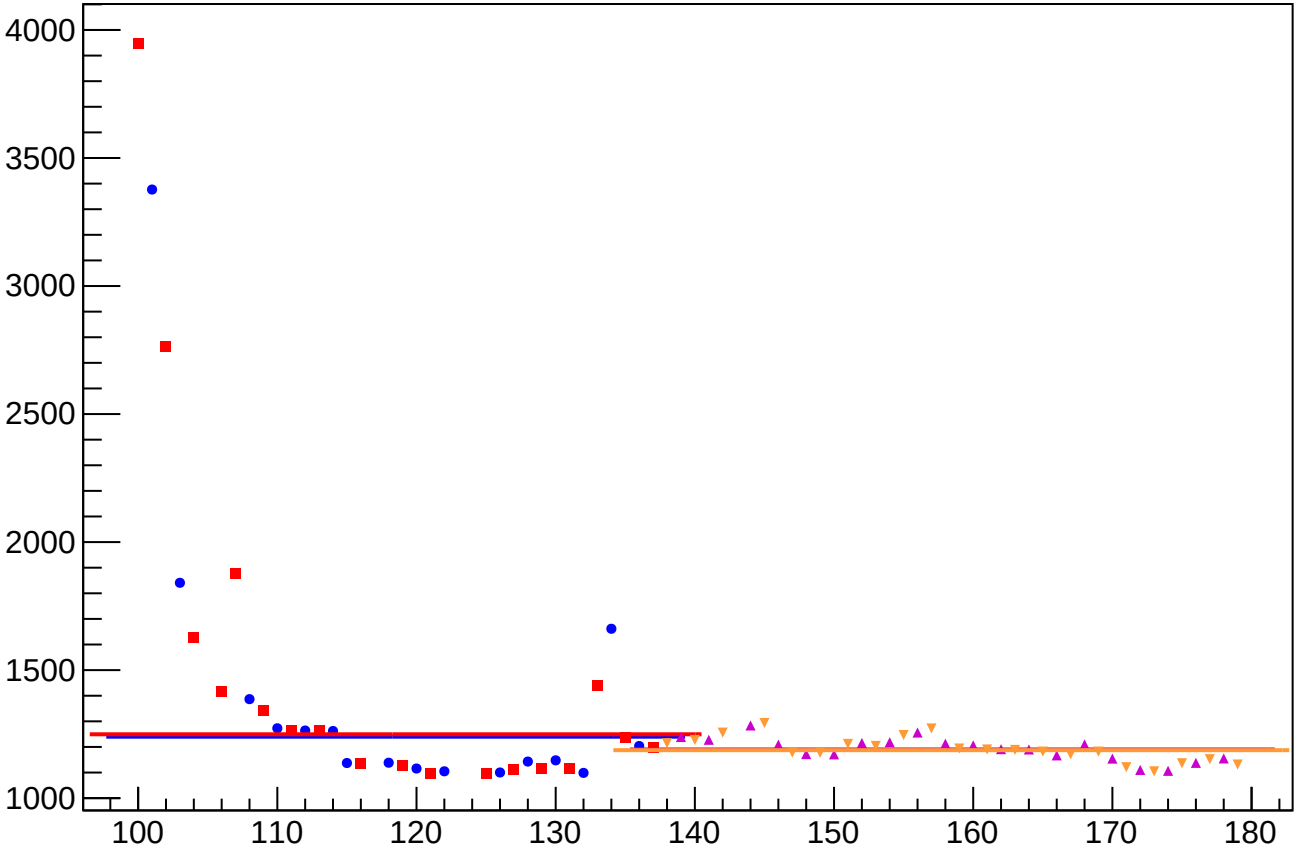
Left In: 31.949+/-294.618 χ^2/NDF:27.9/19

+ sign 528.033+/-248.094 χ^2/NDF: 40.1/36

All: 306.886+/-176.371 χ^2/NDF: 80.7/74

- sign 80.926+/-250.779 χ^2/NDF: 39.0/37

asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1240.140+/-0.336 χ^2/NDF: 782679.7/15

Left Out: 1187.361+/-0.206 χ^2/NDF:52286.6/20

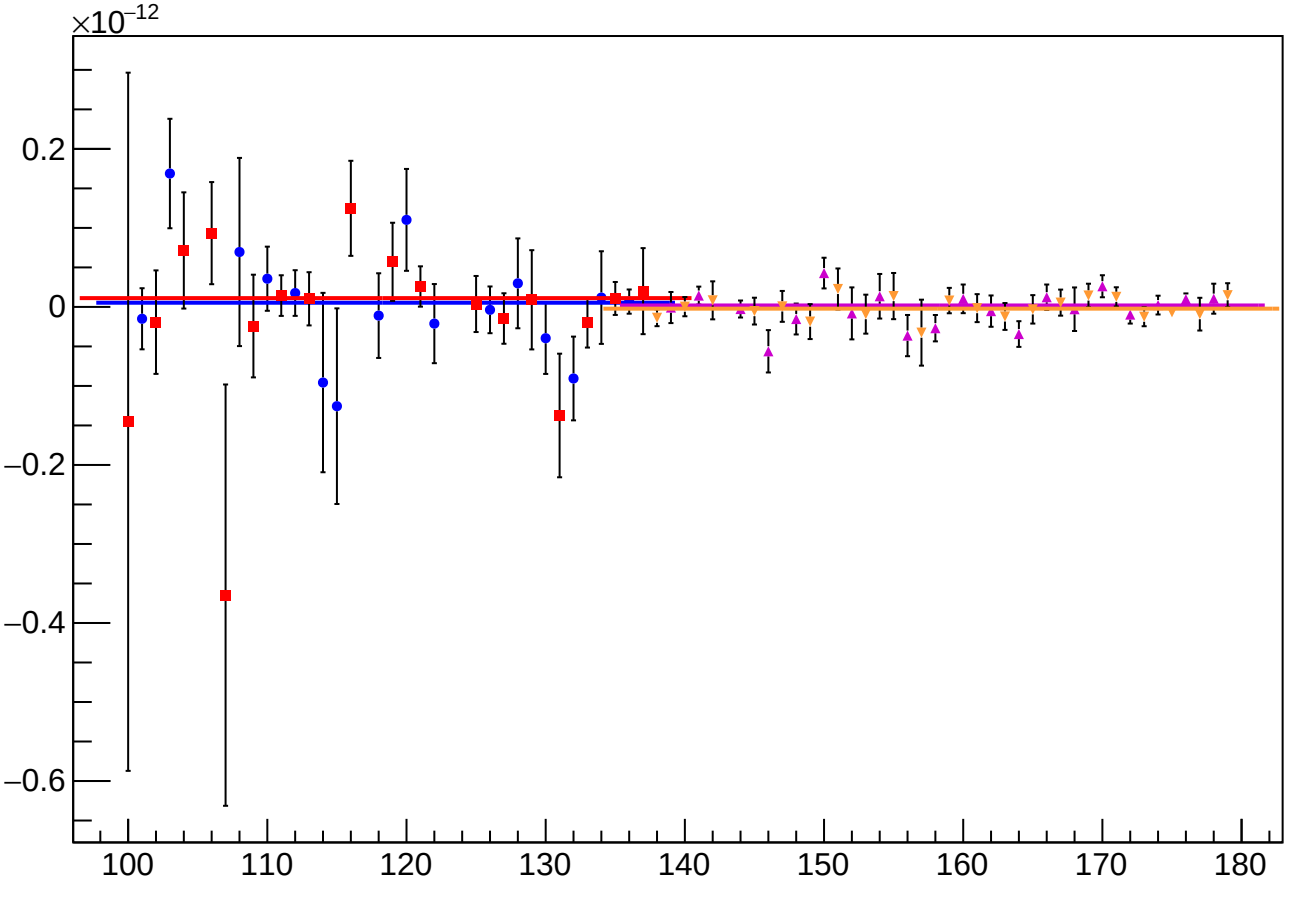
Right Out: 1249.410+/-0.338 χ^2/NDF: 606099.2/17

Left In: 1190.169+/-0.208 χ^2/NDF:47125.1/19

+ sign 1201.786+/-0.175 χ^2/NDF: 852943.2/36

All: 1204.112+/-0.125 χ^2/NDF: 1528797.7/74

- sign 1206.488+/-0.177 χ^2/NDF: 675499.2/37



Right In: 0.000+/-0.000 χ^2/NDF: 16.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.2/20

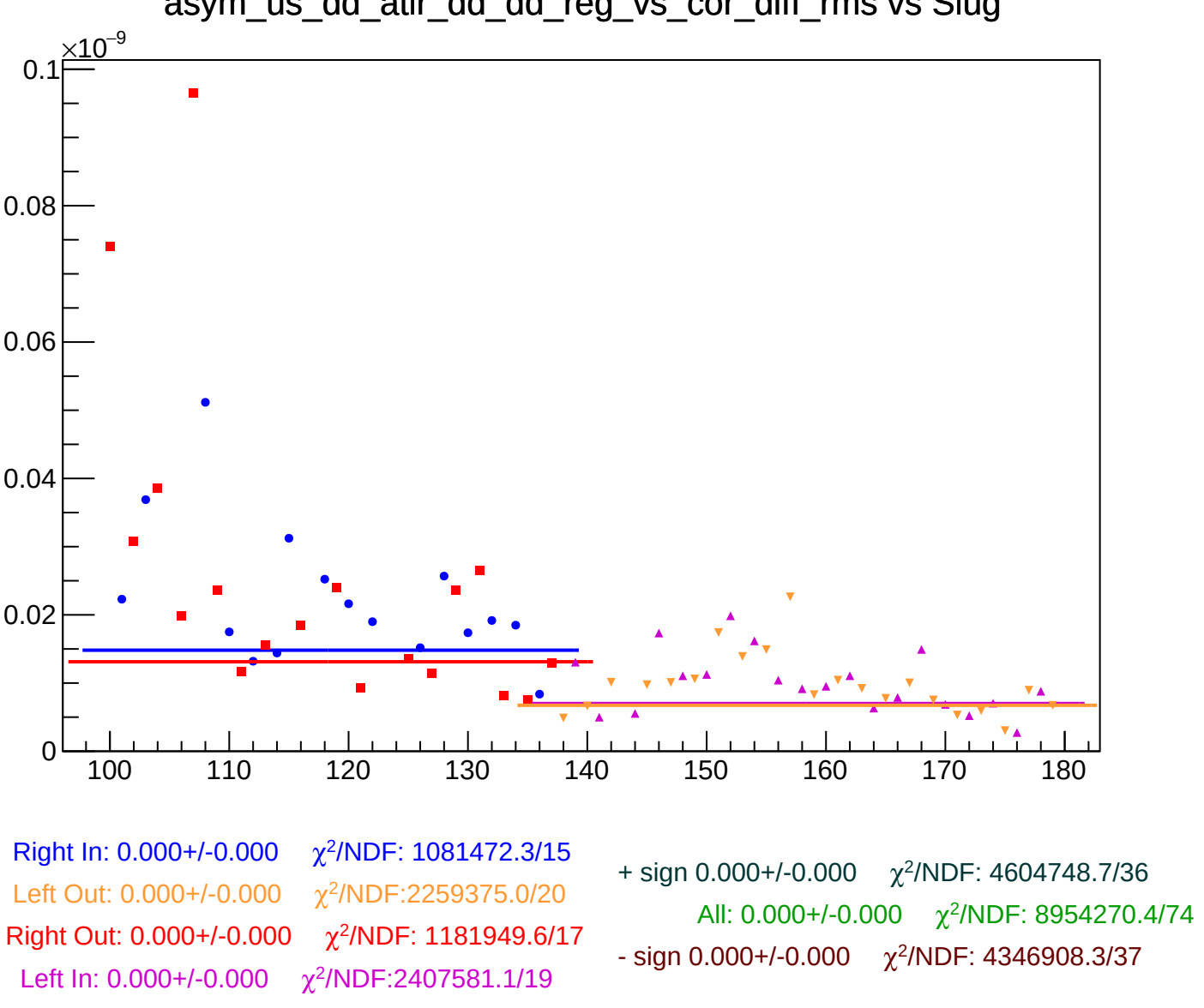
Right Out: 0.000+/-0.000 χ^2/NDF: 15.0/17

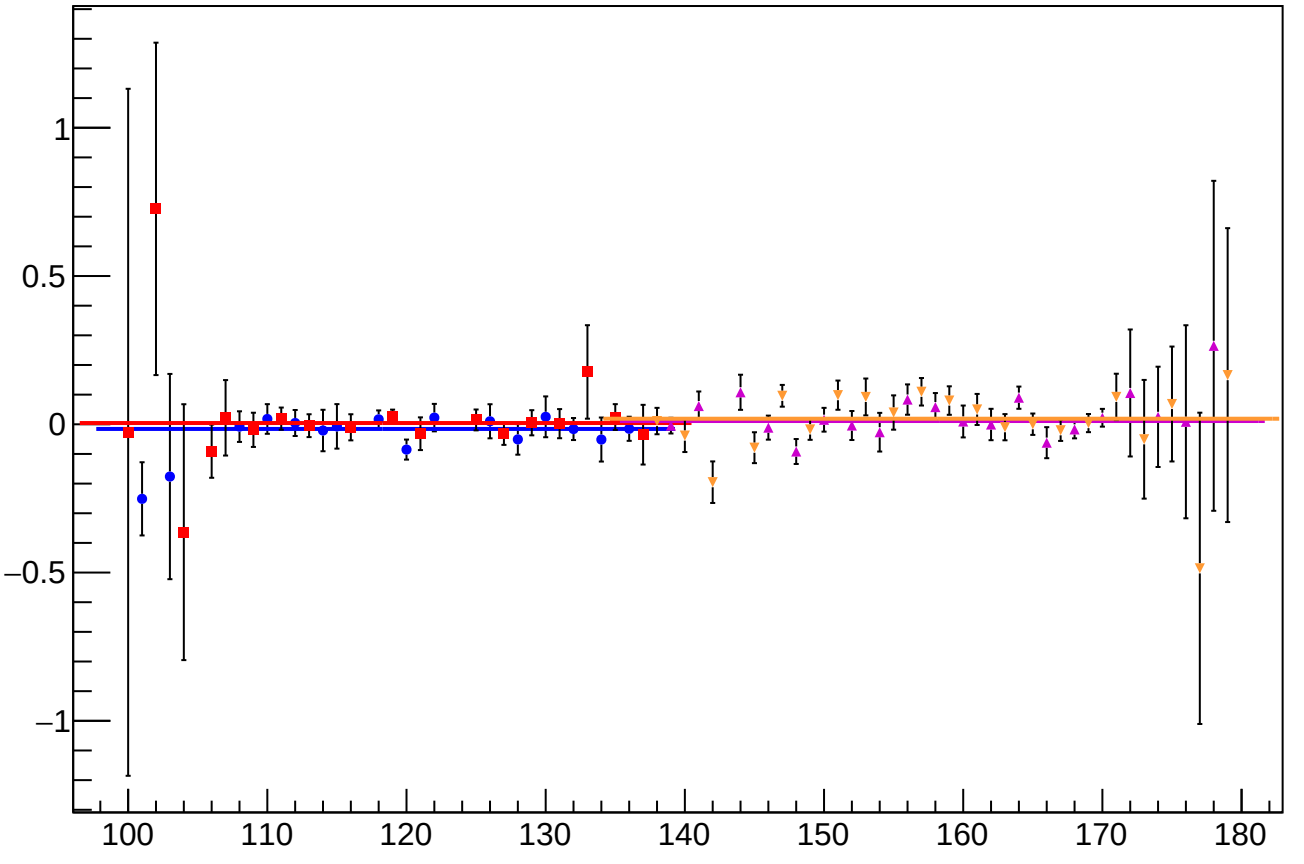
Left In: 0.000+/-0.000 χ^2/NDF:27.9/19

+ sign -0.000+/-0.000 χ^2/NDF: 27.1/36

All: 0.000+/-0.000 χ^2/NDF: 71.9/74

- sign 0.000+/-0.000 χ^2/NDF: 43.8/37


asym_us_dd_atlr_dd_dd_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1081472.3/15
Left Out: 0.000+/-0.000 χ²/NDF:2259375.0/20
Right Out: 0.000+/-0.000 χ²/NDF: 1181949.6/17
Left In: 0.000+/-0.000 χ²/NDF:2407581.1/19
+ sign 0.000+/-0.000 χ²/NDF: 4604748.7/36
All: 0.000+/-0.000 χ²/NDF: 8954270.4/74
- sign 0.000+/-0.000 χ²/NDF: 4346908.3/37



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: 0.019+/-0.011 χ^2/NDF:33.5/20

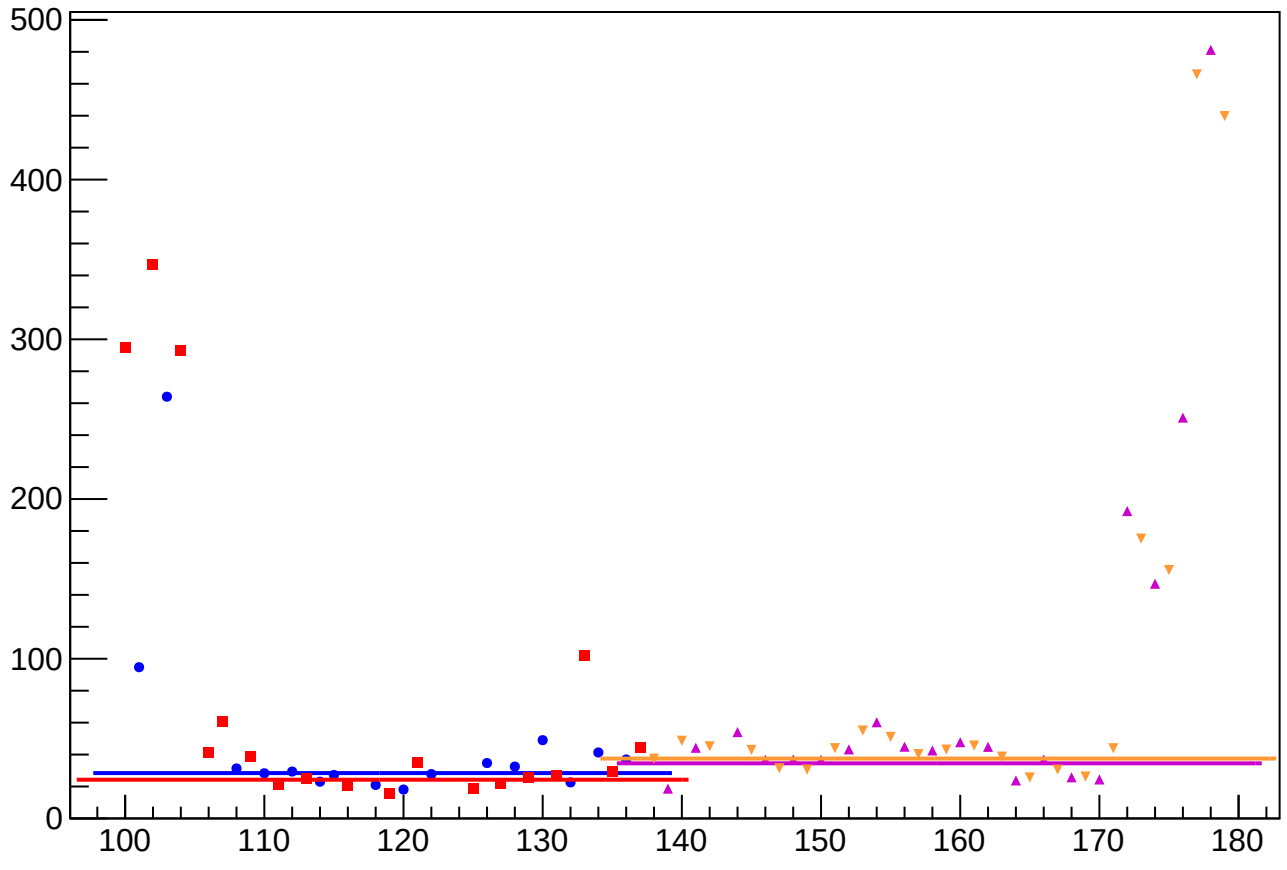
Right Out: 0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: 0.011+/-0.010 χ^2/NDF:21.6/19

+ sign 0.004+/-0.008 χ^2/NDF: 49.9/36

All: 0.006+/-0.006 χ^2/NDF: 79.7/74

- sign 0.008+/-0.008 χ^2/NDF: 29.7/37



Right In: 28.411+/-0.009 χ^2/NDF: 2245642.8/15

Left Out: 37.502+/-0.008 χ^2/NDF:5559904.1/20

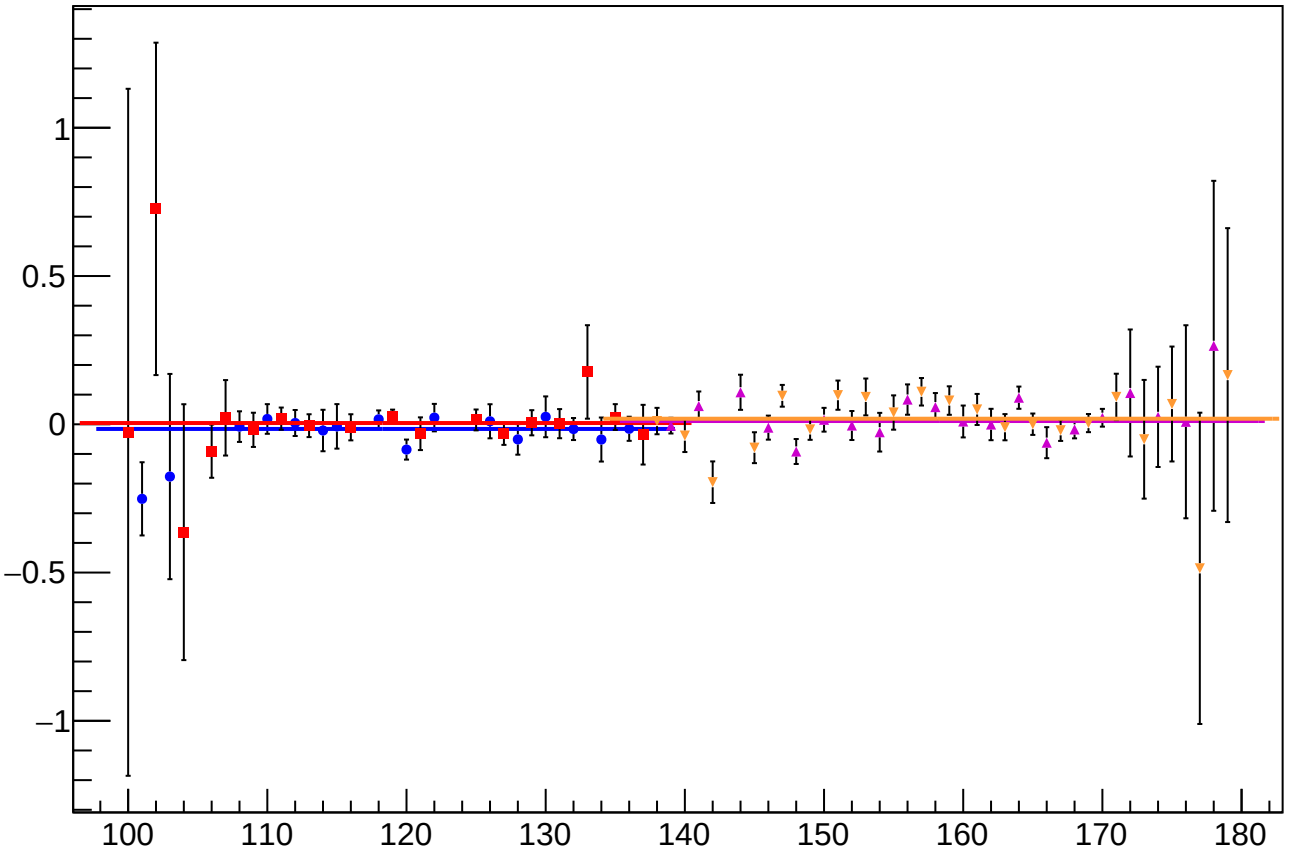
Right Out: 24.255+/-0.008 χ^2/NDF: 2913469.3/17

Left In: 34.521+/-0.007 χ^2/NDF:6454900.1/19

+ sign 33.537+/-0.006 χ^2/NDF: 8420840.7/36

All: 31.625+/-0.004 χ^2/NDF: 18888865.9/74

- sign 29.935+/-0.005 χ^2/NDF: 10259654.0/37



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: 0.019+/-0.011 χ^2/NDF:33.5/20

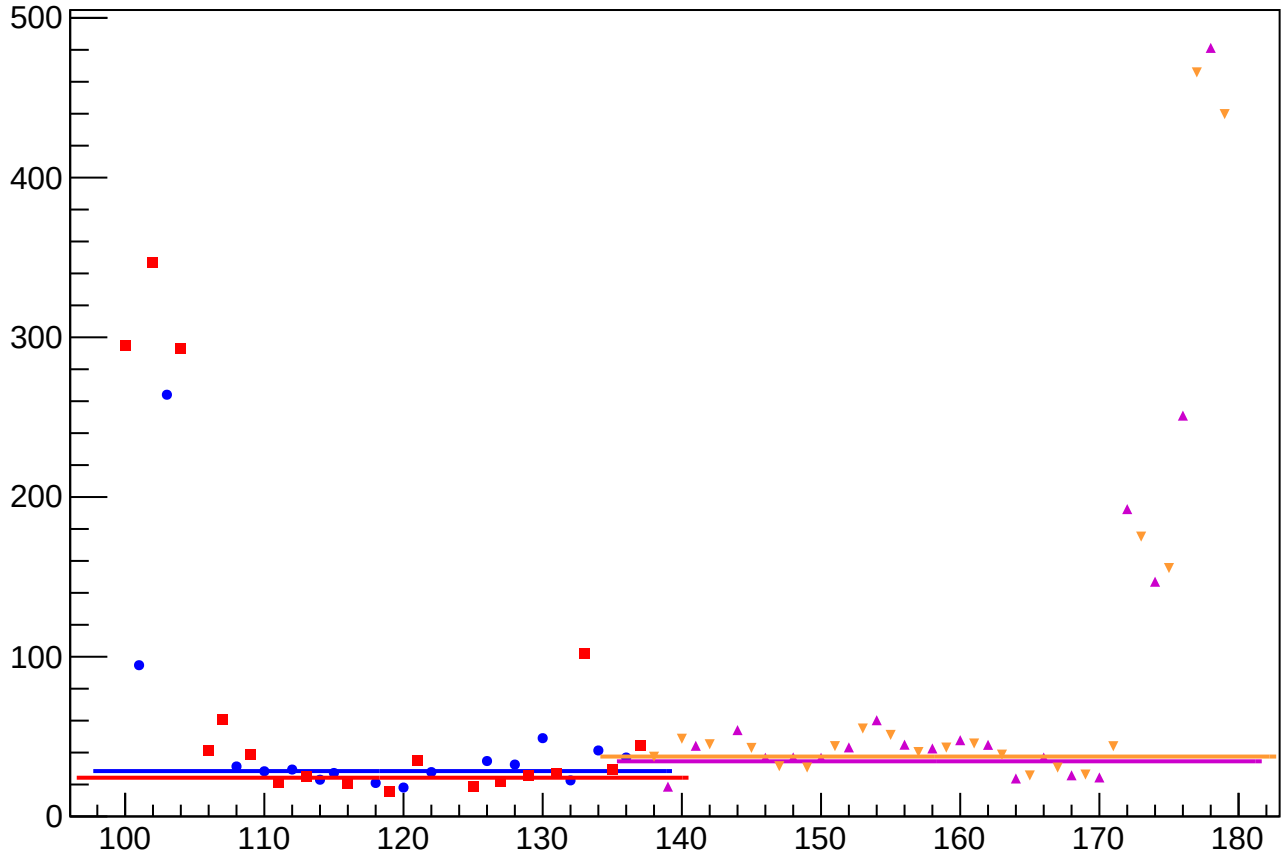
Right Out: 0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: 0.011+/-0.010 χ^2/NDF:21.6/19

+ sign 0.004+/-0.008 χ^2/NDF: 49.9/36

All: 0.006+/-0.006 χ^2/NDF: 79.7/74

- sign 0.008+/-0.008 χ^2/NDF: 29.7/37



Right In: 28.411+/-0.009 χ^2/NDF: 2245642.8/15

Left Out: 37.502+/-0.008 χ^2/NDF:5559904.1/20

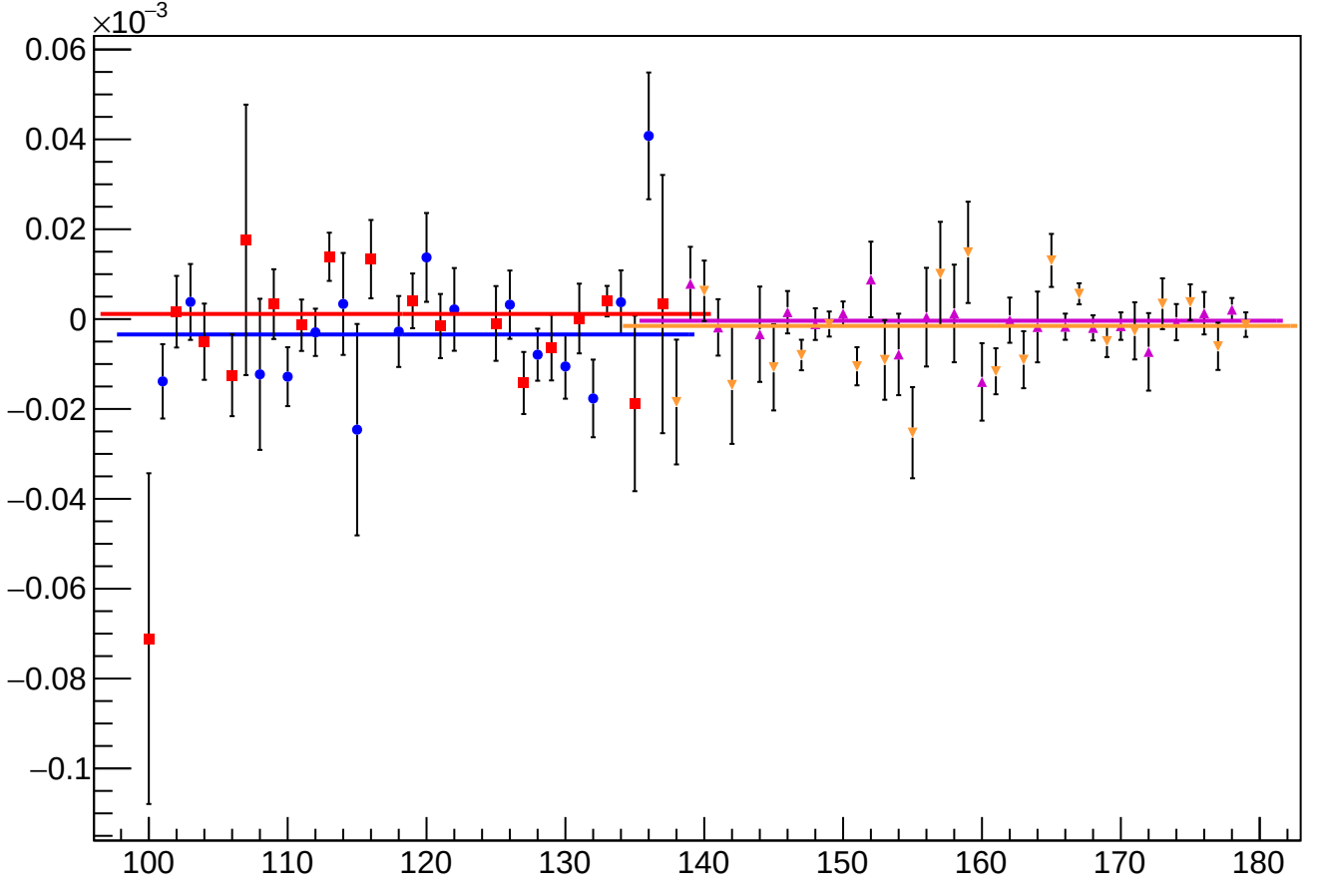
Right Out: 24.255+/-0.008 χ^2/NDF: 2913469.3/17

Left In: 34.521+/-0.007 χ^2/NDF:6454900.1/19

+ sign 33.537+/-0.006 χ^2/NDF: 8420840.7/36

All: 31.625+/-0.004 χ^2/NDF: 18888865.9/74

- sign 29.935+/-0.005 χ^2/NDF: 10259654.0/37



Right In: -0.000+/-0.000 χ^2/NDF: 25.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:47.1/20

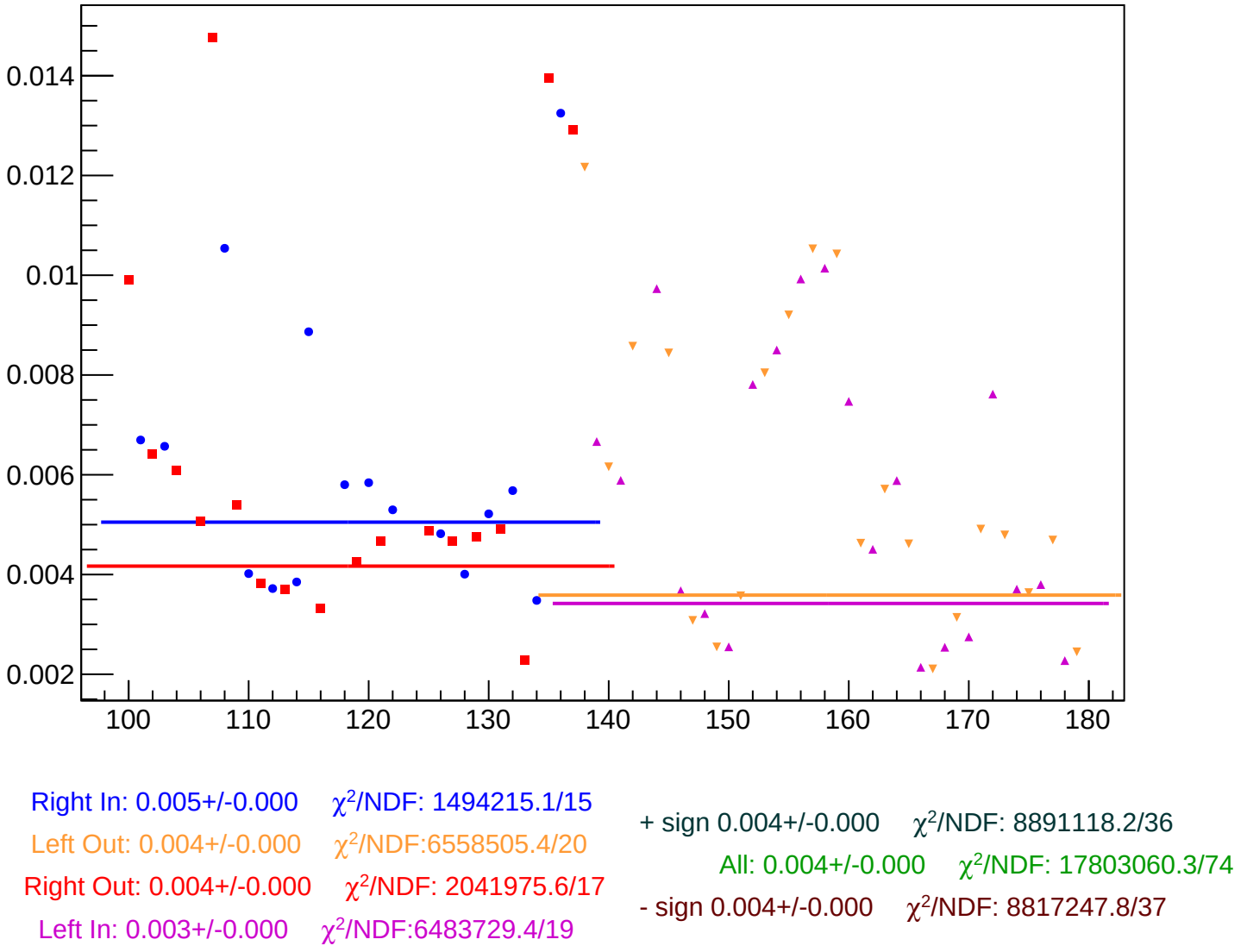
Right Out: 0.000+/-0.000 χ^2/NDF: 23.0/17

Left In: -0.000+/-0.000 χ^2/NDF:8.5/19

+ sign -0.000+/-0.000 χ^2/NDF: 73.0/36

All: -0.000+/-0.000 χ^2/NDF: 107.4/74

- sign 0.000+/-0.000 χ^2/NDF: 32.1/37


asym_us_dd_atlr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
110
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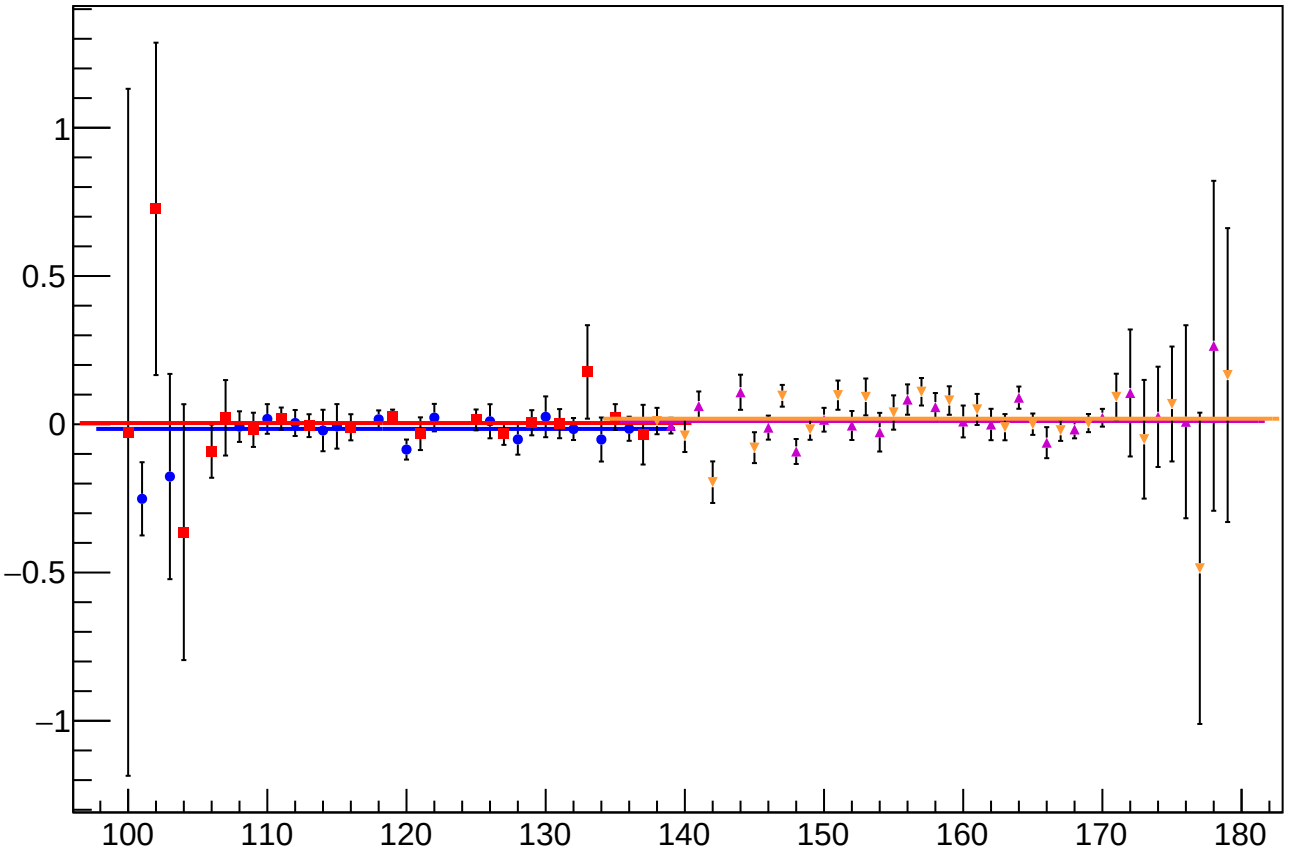
160
170
180
Right In: 0.005+/-0.000 χ²/NDF: 1494215.1/15
Left Out: 0.004+/-0.000 χ²/NDF:6558505.4/20
Right Out: 0.004+/-0.000 χ²/NDF: 2041975.6/17
Left In: 0.003+/-0.000 χ²/NDF:6483729.4/19
+ sign 0.004+/-0.000 χ²/NDF: 8891118.2/36
All: 0.004+/-0.000 χ²/NDF: 17803060.3/74
- sign 0.004+/-0.000 χ²/NDF: 8817247.8/37



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: 0.019+/-0.011 χ^2/NDF:33.5/20

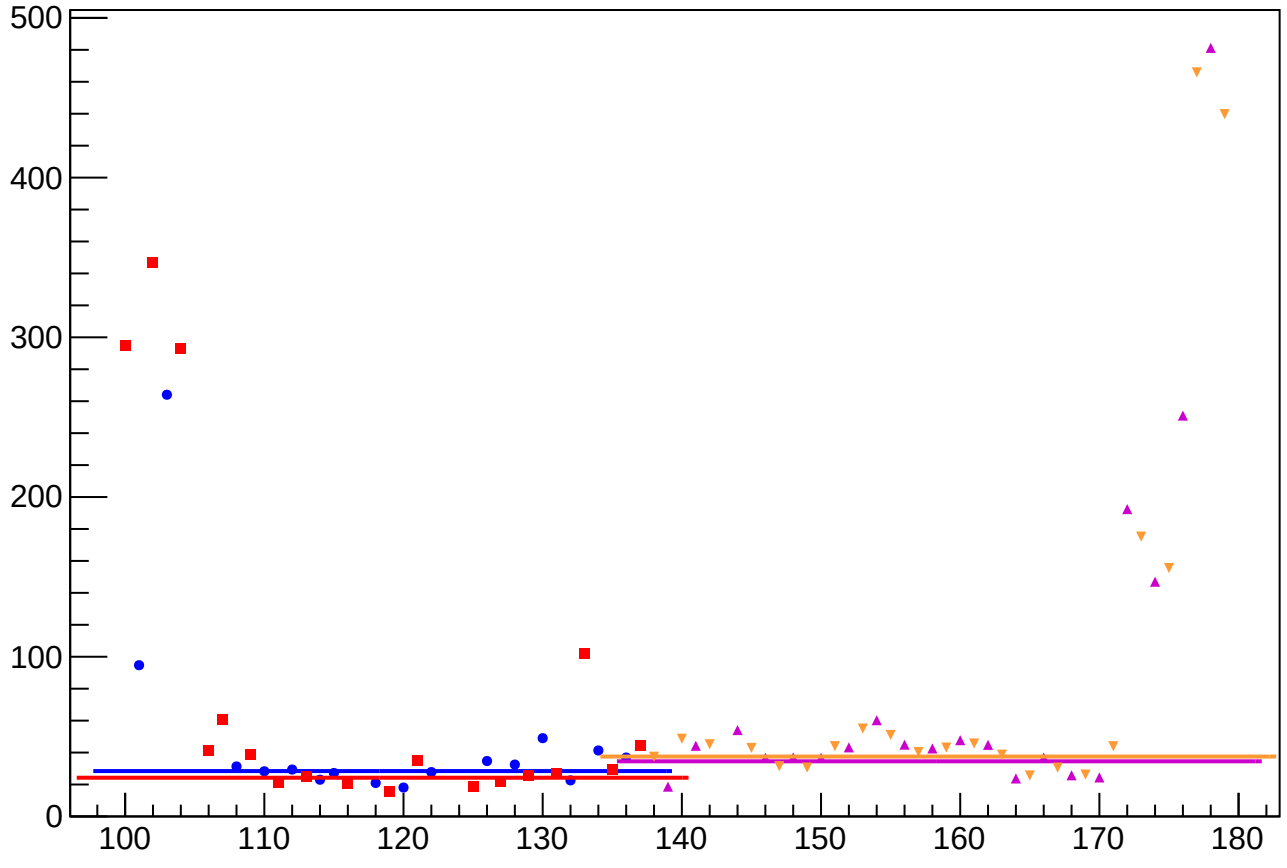
Right Out: 0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: 0.011+/-0.010 χ^2/NDF:21.6/19

+ sign 0.004+/-0.008 χ^2/NDF: 49.9/36

All: 0.006+/-0.006 χ^2/NDF: 79.7/74

- sign 0.008+/-0.008 χ^2/NDF: 29.7/37



Right In: 28.411+/-0.009 χ^2/NDF: 2245663.3/15

Left Out: 37.502+/-0.008 χ^2/NDF:5560062.4/20

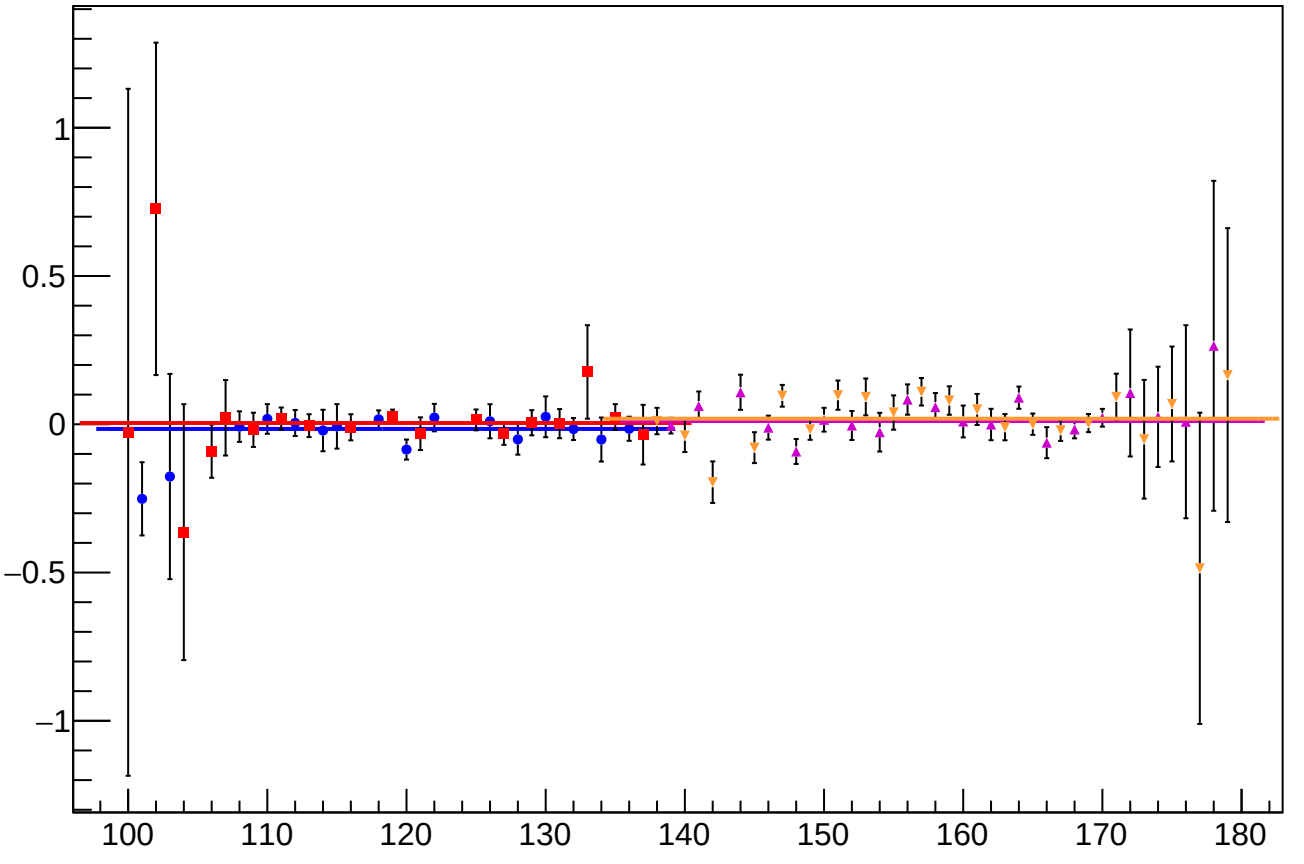
Right Out: 24.254+/-0.008 χ^2/NDF: 2913710.0/17

Left In: 34.521+/-0.007 χ^2/NDF:6455321.3/19

+ sign 33.536+/-0.006 χ^2/NDF: 8420979.5/36

All: 31.625+/-0.004 χ^2/NDF: 18890037.4/74

- sign 29.934+/-0.005 χ^2/NDF: 10260579.2/37



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: 0.019+/-0.011 χ^2/NDF:33.5/20

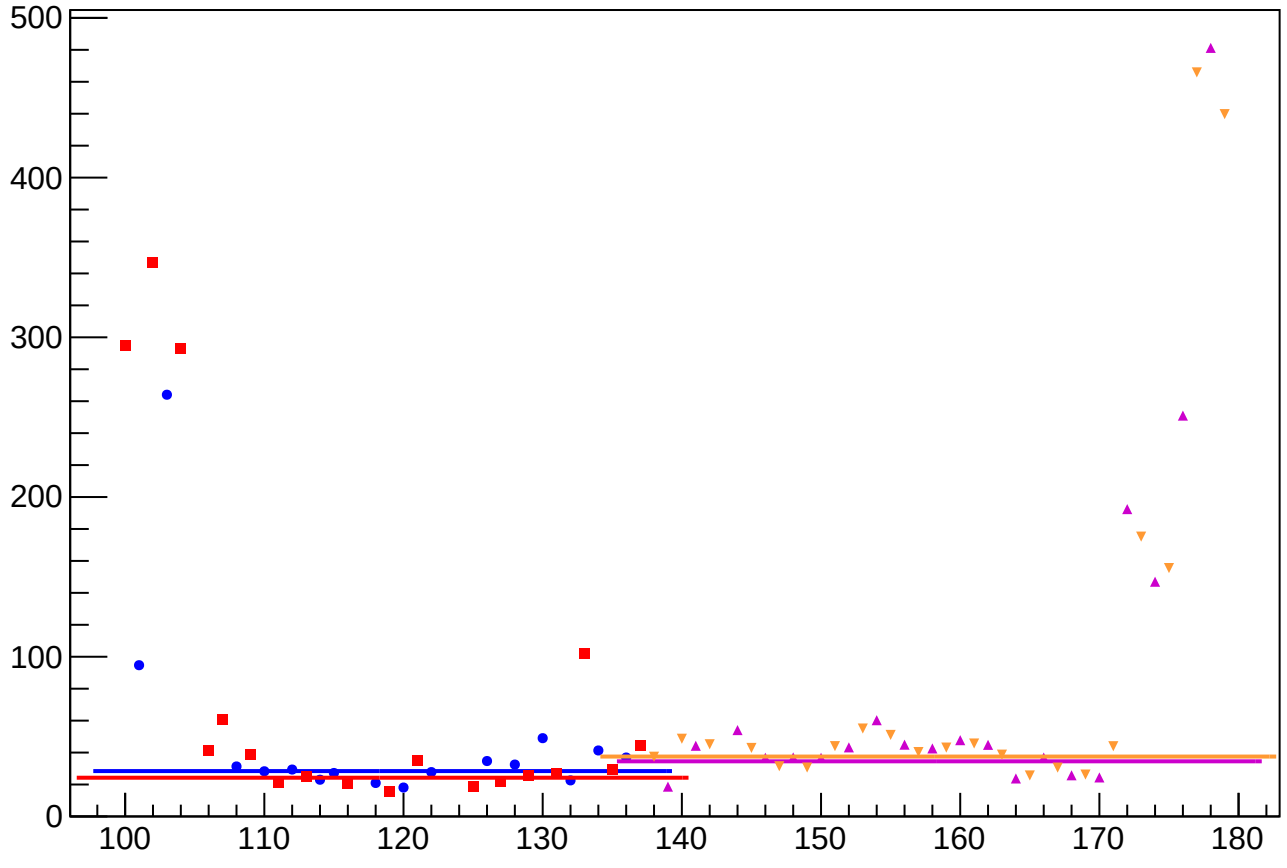
Right Out: 0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: 0.011+/-0.010 χ^2/NDF:21.6/19

+ sign 0.004+/-0.008 χ^2/NDF: 49.9/36

All: 0.006+/-0.006 χ^2/NDF: 79.7/74

- sign 0.008+/-0.008 χ^2/NDF: 29.7/37



Right In: 28.411+/-0.009 χ^2/NDF: 2245663.3/15

Left Out: 37.502+/-0.008 χ^2/NDF:5560062.4/20

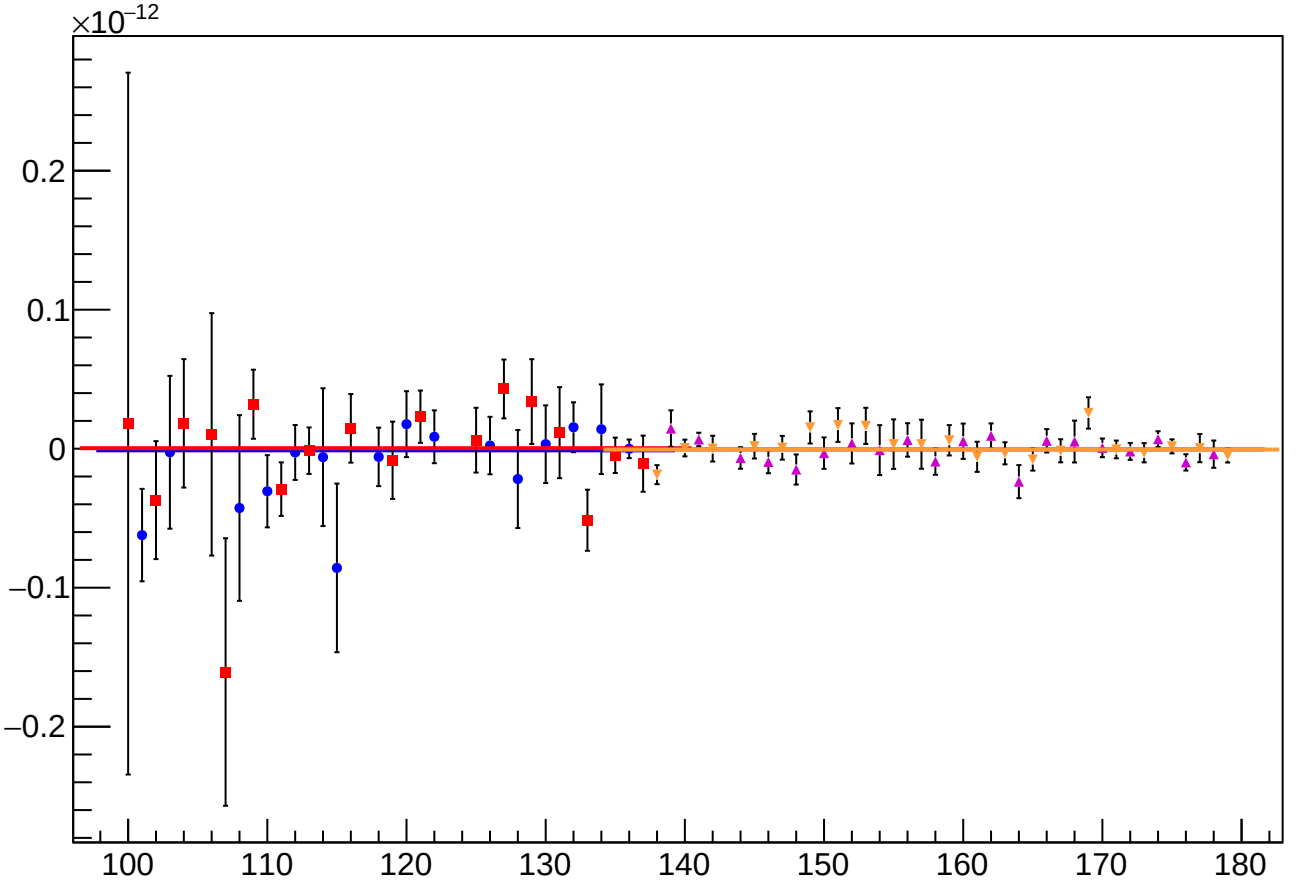
Right Out: 24.254+/-0.008 χ^2/NDF: 2913710.0/17

Left In: 34.521+/-0.007 χ^2/NDF:6455321.3/19

+ sign 33.536+/-0.006 χ^2/NDF: 8420979.5/36

All: 31.625+/-0.004 χ^2/NDF: 18890037.4/74

- sign 29.934+/-0.005 χ^2/NDF: 10260579.2/37



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.9/20

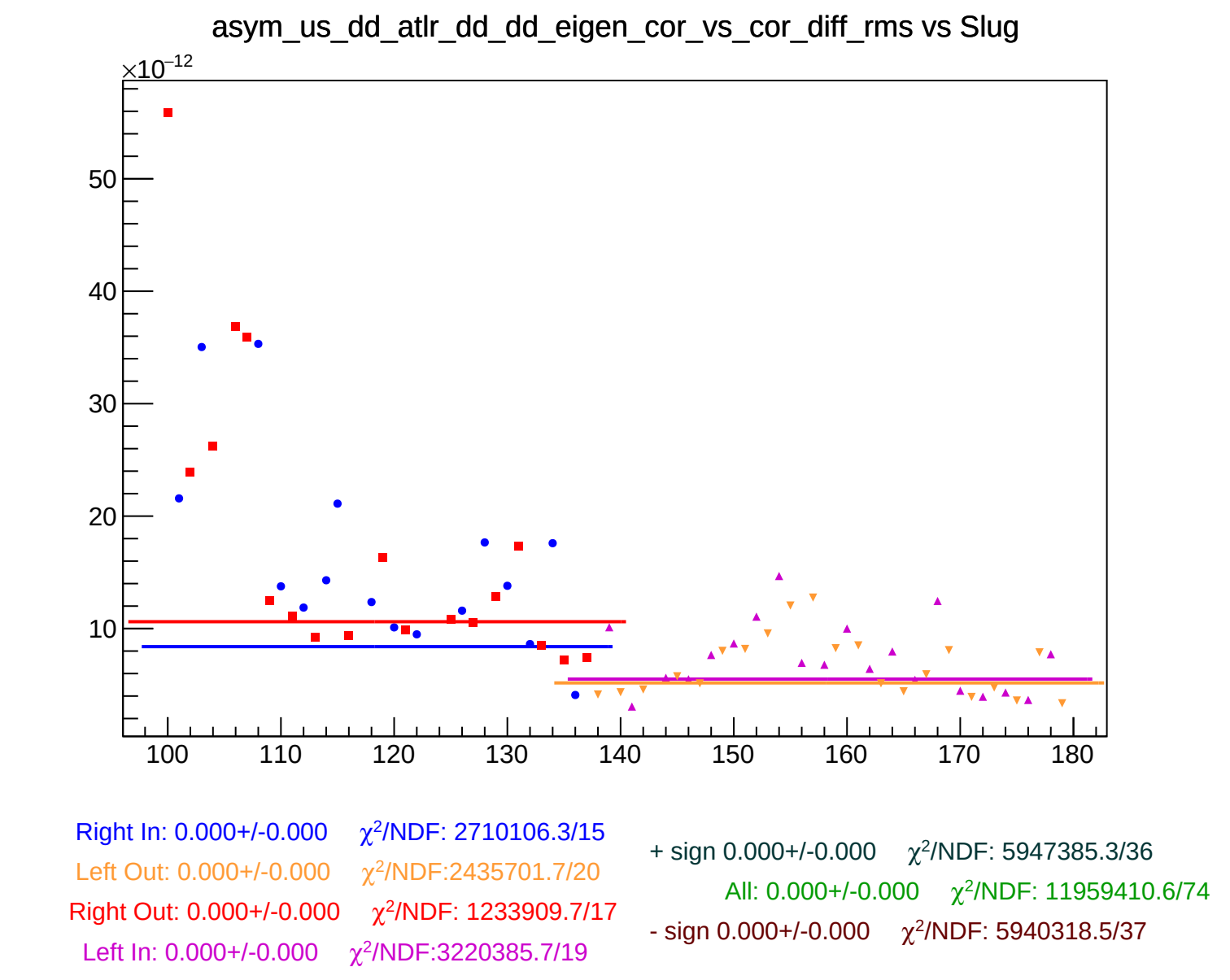
Right Out: 0.000+/-0.000 χ^2/NDF: 21.1/17

Left In: -0.000+/-0.000 χ^2/NDF:18.7/19

+ sign -0.000+/-0.000 χ^2/NDF: 30.4/36

All: -0.000+/-0.000 χ^2/NDF: 70.2/74

- sign -0.000+/-0.000 χ^2/NDF: 39.8/37


asym_us_dd_atlr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
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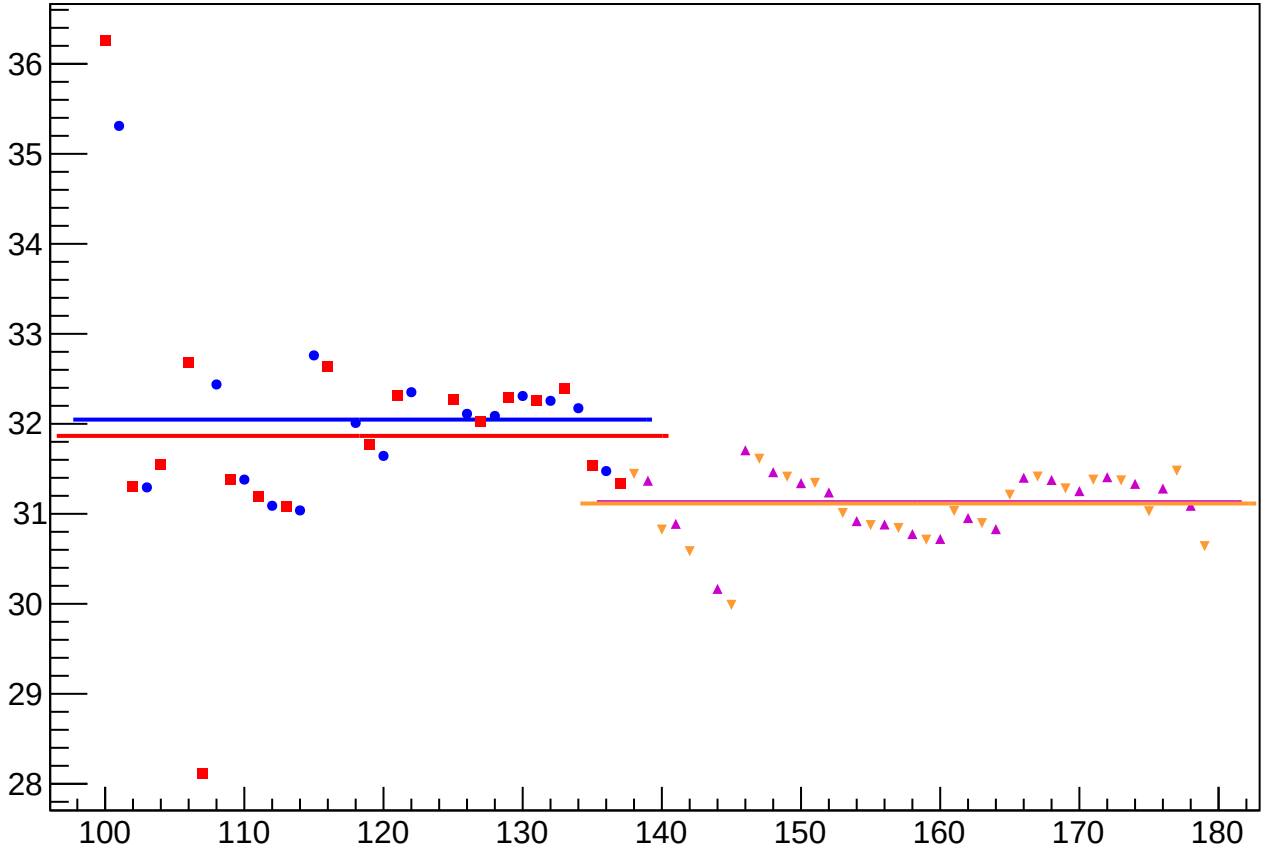
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2710106.3/15
Left Out: 0.000+/-0.000 χ²/NDF:2435701.7/20
Right Out: 0.000+/-0.000 χ²/NDF: 1233909.7/17
Left In: 0.000+/-0.000 χ²/NDF:3220385.7/19
+ sign 0.000+/-0.000 χ²/NDF: 5947385.3/36
All: 0.000+/-0.000 χ²/NDF: 11959410.6/74
- sign 0.000+/-0.000 χ²/NDF: 5940318.5/37

yield_usl_mean vs Slug



Right In: 32.047+/-0.000 χ^2/NDF: 898593424.6/15

Left Out: 31.115+/-0.000 χ^2/NDF:313827160.2/20

Right Out: 31.866+/-0.000 χ^2/NDF: 485941075.6/17

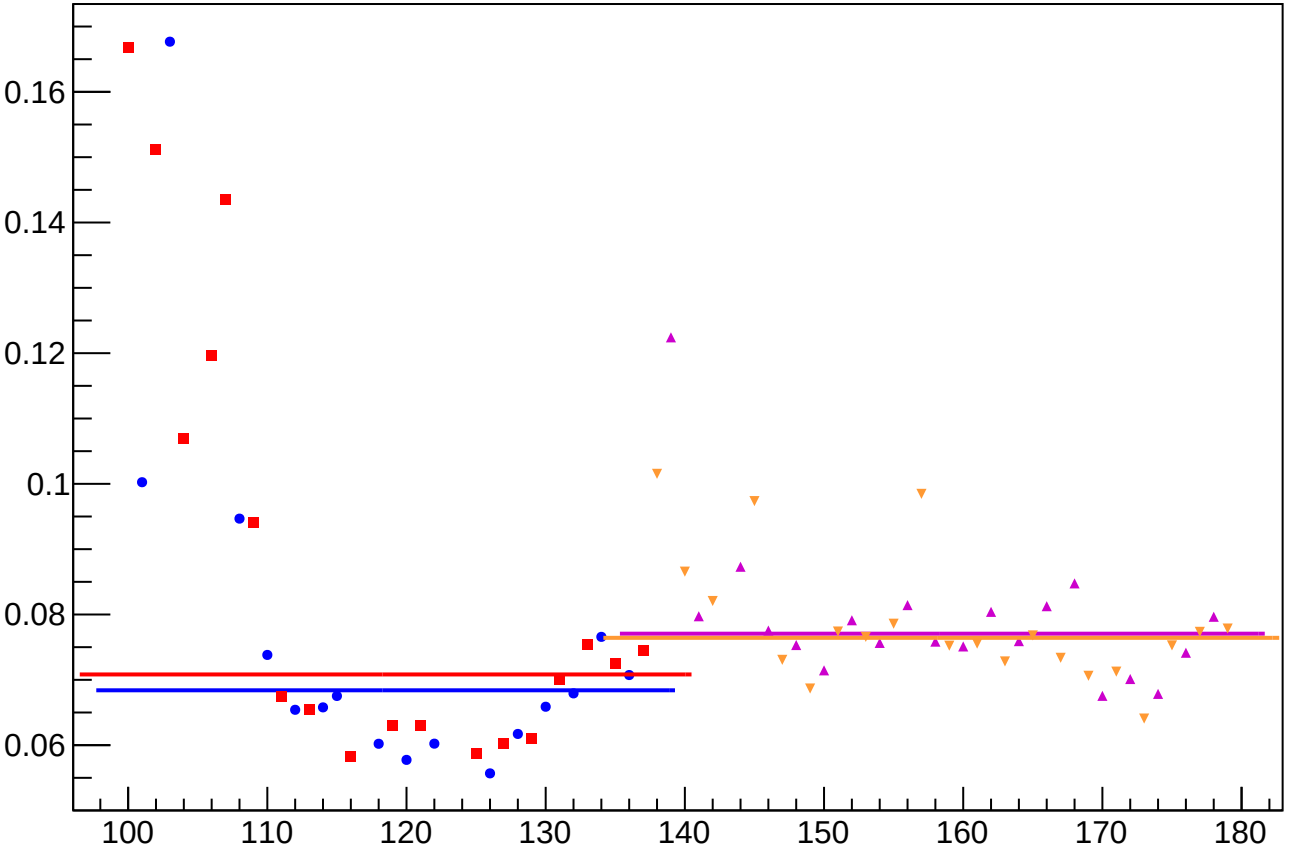
Left In: 31.129+/-0.000 χ^2/NDF:276695731.6/19

\+ sign 31.434+/-0.000 χ^2/NDF: 1976757215.3/36

All: 31.406+/-0.000 χ^2/NDF: 3194418903.0/7

\- sign 31.375+/-0.000 χ^2/NDF: 1211106012.5/37

yield_usl_rms vs Slug



Right In: 0.068+/-0.000 χ^2/NDF: 703207.9/15

Left Out: 0.076+/-0.000 χ^2/NDF:352403.2/20

Right Out: 0.071+/-0.000 χ^2/NDF: 868237.4/17

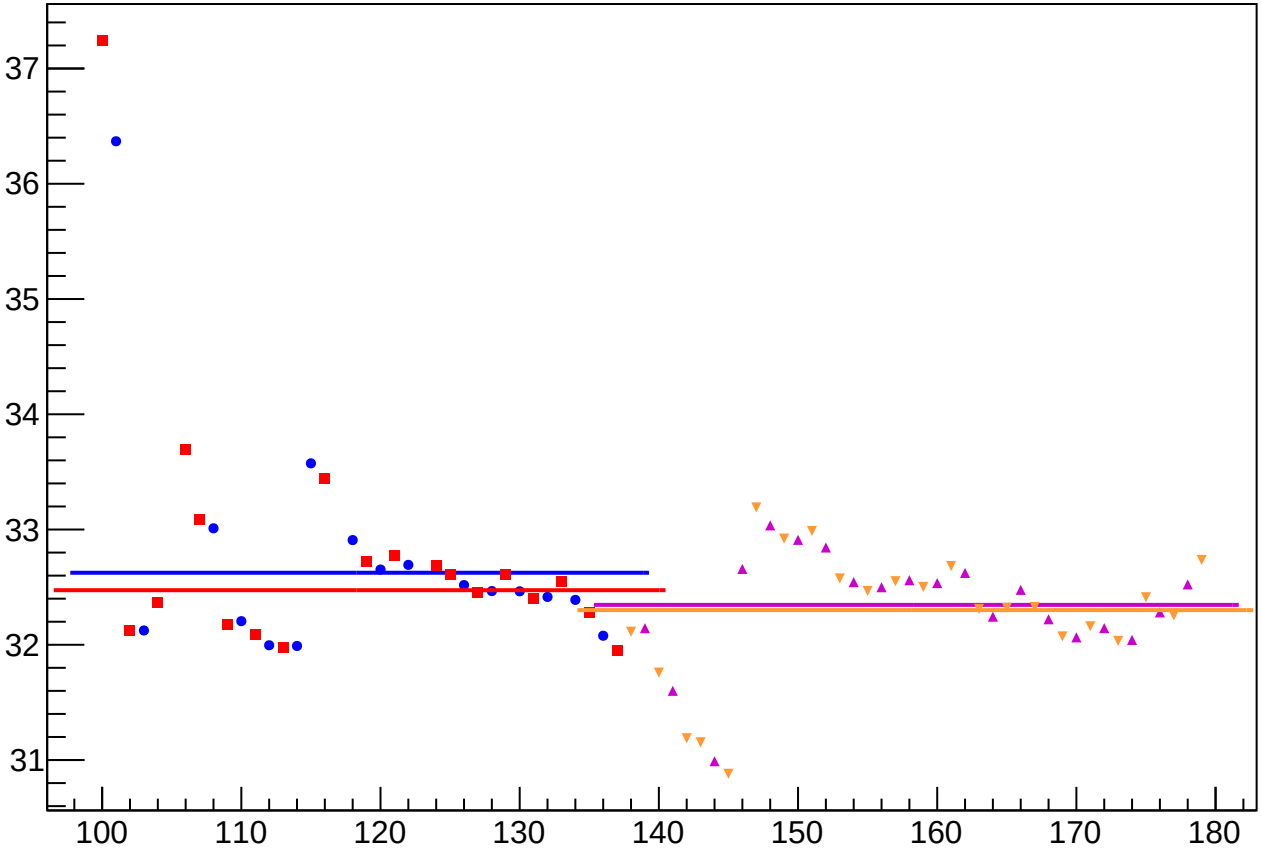
Left In: 0.077+/-0.000 χ^2/NDF:354771.4/19

+ sign 0.074+/-0.000 χ^2/NDF: 1169025.5/36

All: 0.074+/-0.000 χ^2/NDF: 2462824.7/74

- sign 0.075+/-0.000 χ^2/NDF: 1287351.6/37

yield_usr_mean vs Slug



Right In: 32.625+/-0.000 χ^2/NDF: 739141163.5/15

Left Out: 32.301+/-0.000 χ^2/NDF:819849036.4/21

Right Out: 32.474+/-0.000 χ^2/NDF: 156801553.7/18

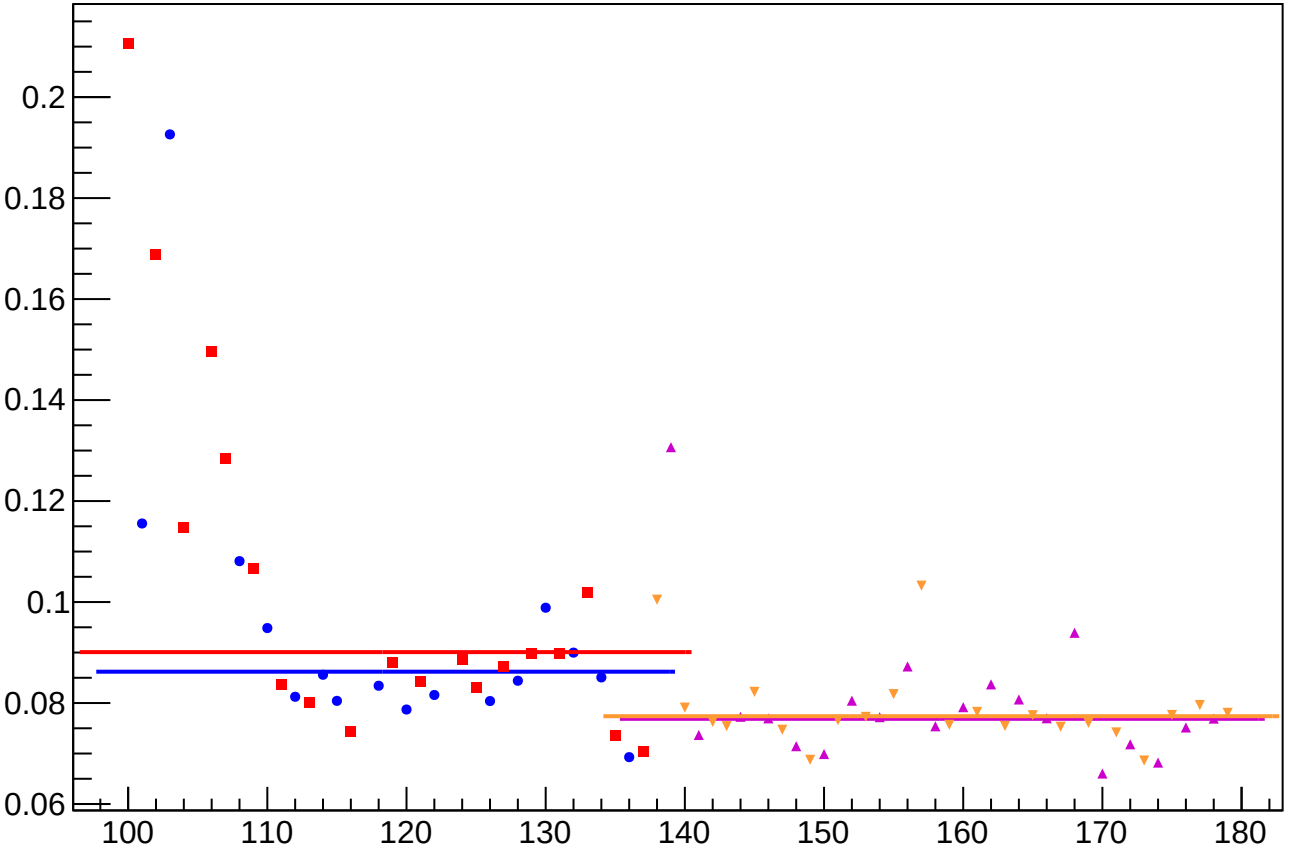
Left In: 32.346+/-0.000 χ^2/NDF:579563832.6/19

+ sign 32.379+/-0.000 χ^2/NDF: 1626407130.2/37

All: 32.378+/-0.000 χ^2/NDF: 2372590543.0/7

- sign 32.377+/-0.000 χ^2/NDF: 746174010.8/38

yield_usr_rms vs Slug



Right In: 0.086+/-0.000 χ^2/NDF: 598718.4/15

Left Out: 0.077+/-0.000 χ^2/NDF:231274.6/21

Right Out: 0.090+/-0.000 χ^2/NDF: 621848.1/18

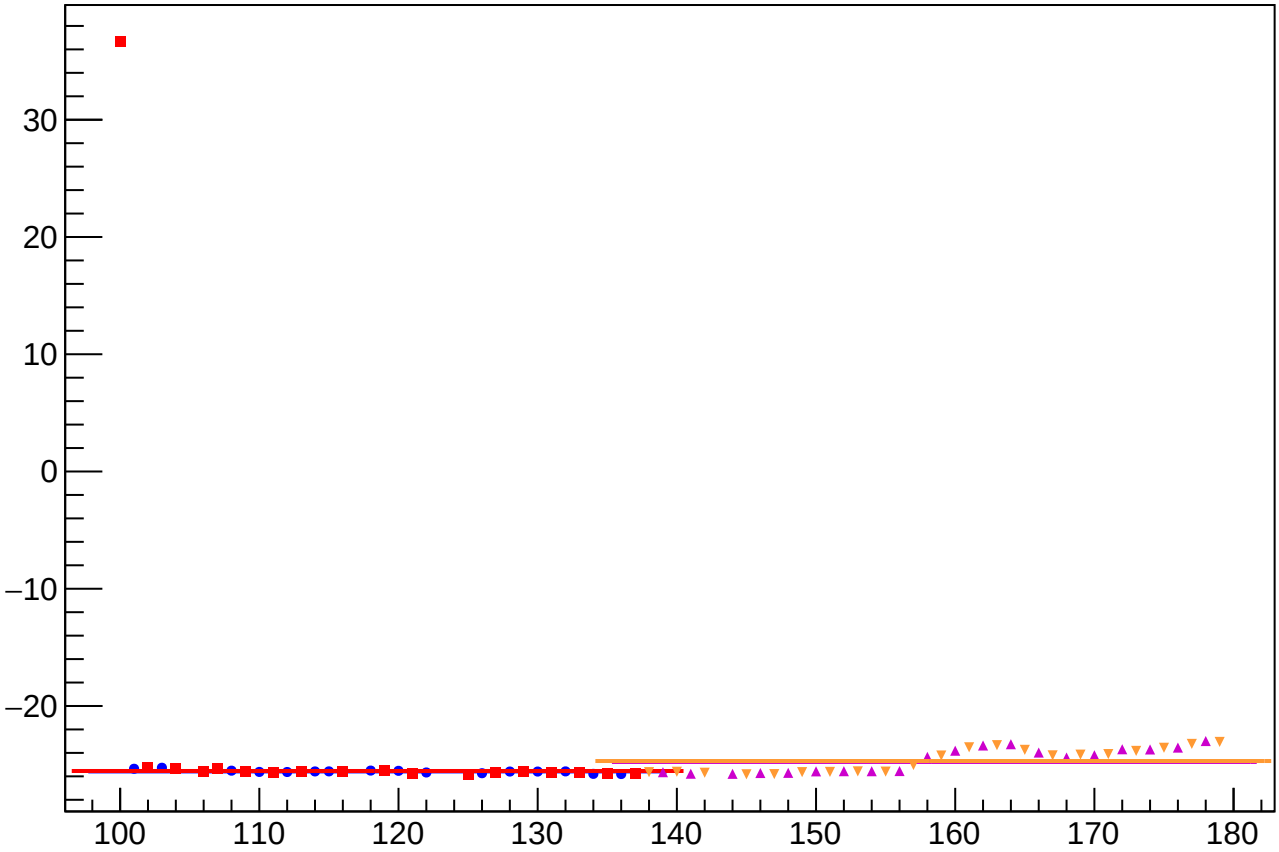
Left In: 0.077+/-0.000 χ^2/NDF:472768.3/19

+ sign 0.080+/-0.000 χ^2/NDF: 929536.0/37

All: 0.080+/-0.000 χ^2/NDF: 2235917.9/76

- sign 0.080+/-0.000 χ^2/NDF: 1305490.4/38

yield_dsl_mean vs Slug



Right In: -25.579+/-0.000 χ^2/NDF: 98389255.1/15

Left Out: -24.693+/-0.000 χ^2/NDF:8108665630.1/20

Right Out: -25.544+/-0.000 χ^2/NDF: 8907540506.8/17

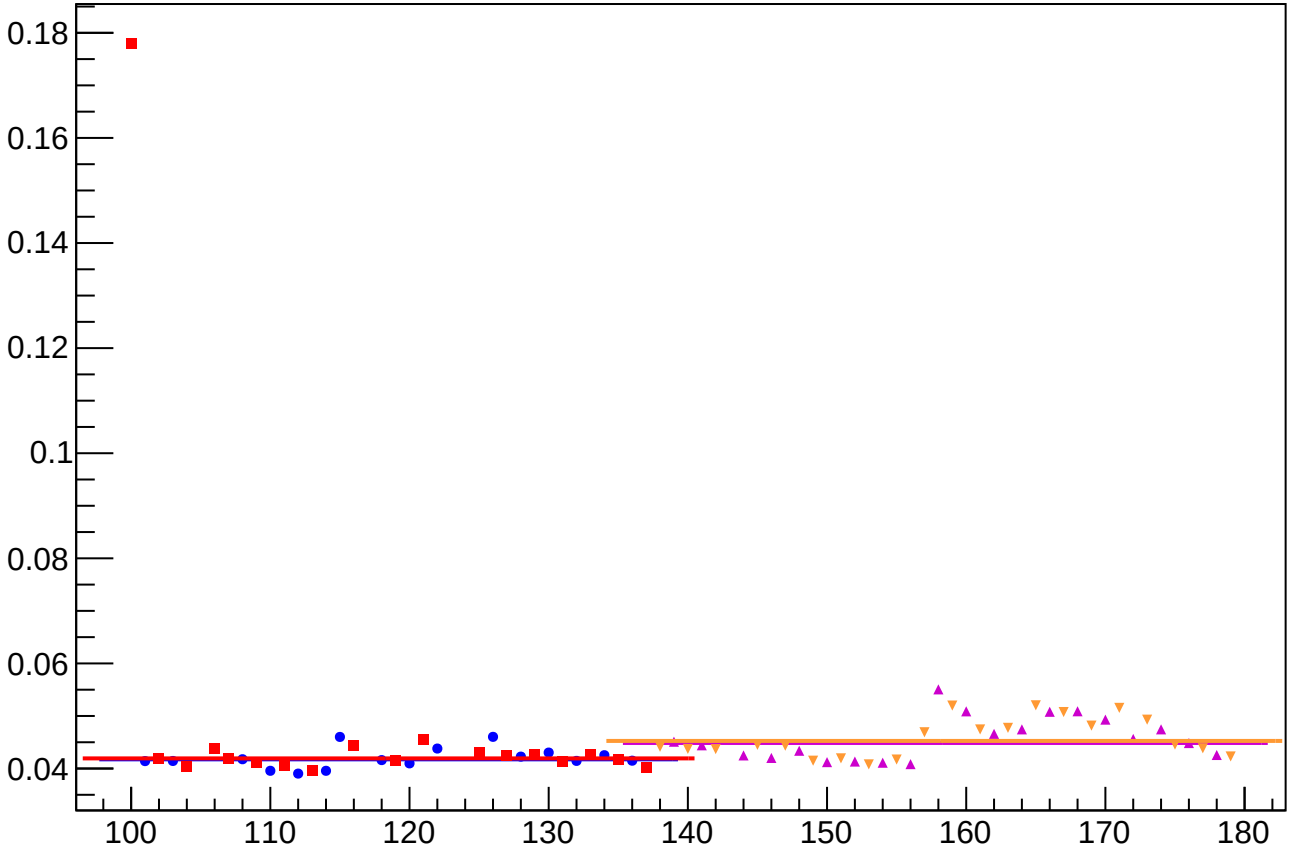
Left In: -24.774+/-0.000 χ^2/NDF:8013335082.7/19

+ sign -24.996+/-0.000 χ^2/NDF: 10327997447.6/36

All: -25.017+/-0.000 χ^2/NDF: 28862233464.8

- sign -25.038+/-0.000 χ^2/NDF: 18523880388.9/37

yield_dsl_rms vs Slug



Right In: 0.042+/-0.000 χ^2/NDF: 20733.3/15

Left Out: 0.045+/-0.000 χ^2/NDF:185195.2/20

Right Out: 0.042+/-0.000 χ^2/NDF: 100140.4/17

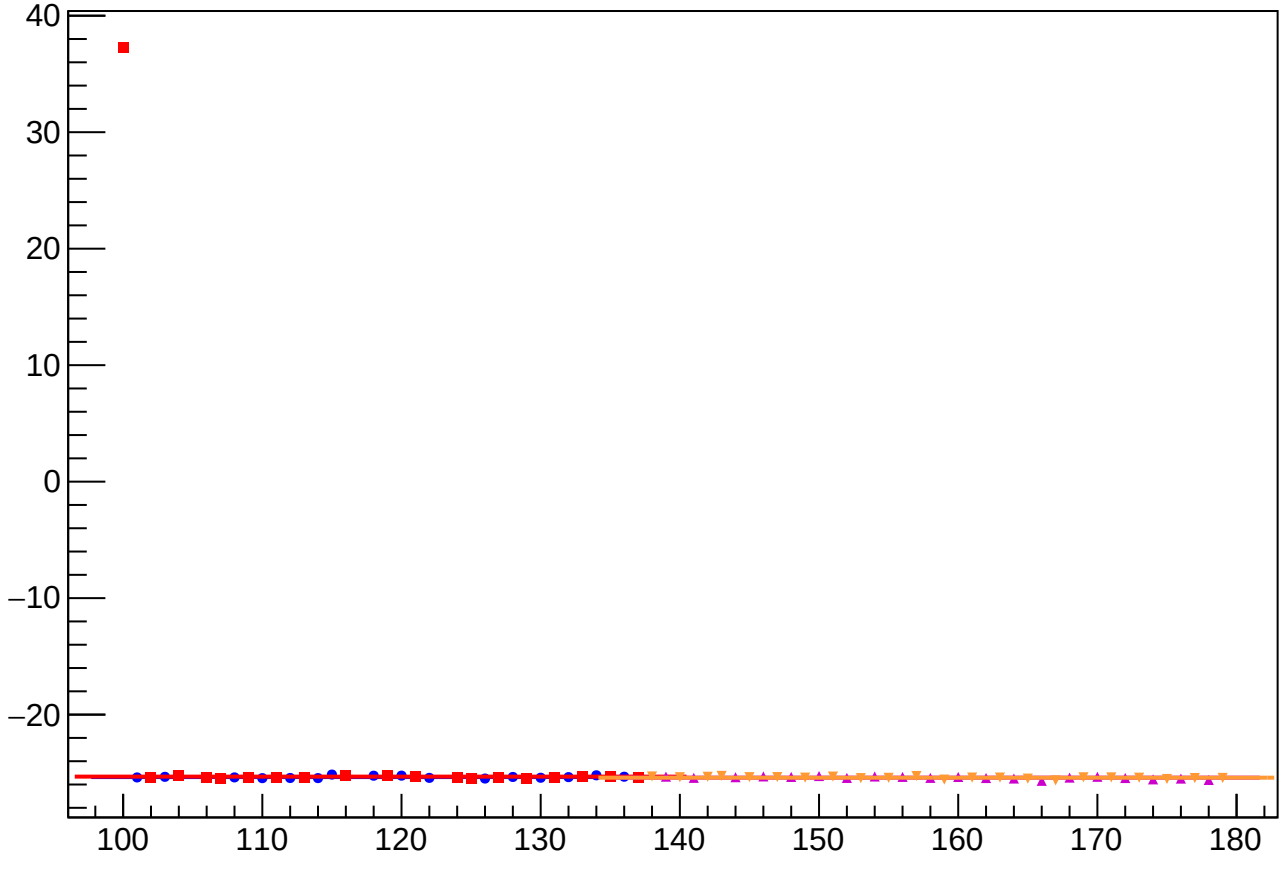
Left In: 0.045+/-0.000 χ^2/NDF:220812.5/19

+ sign 0.044+/-0.000 χ^2/NDF: 272345.3/36

All: 0.044+/-0.000 χ^2/NDF: 640504.5/74

- sign 0.044+/-0.000 χ^2/NDF: 367709.7/37

yield_dsr_mean vs Slug



Right In: -25.360+/-0.000 χ^2/NDF: 13284405.9/15

Left Out: -25.413+/-0.000 χ^2/NDF:46502349.3/21

Right Out: -25.322+/-0.000 χ^2/NDF: 6314907036.5/18

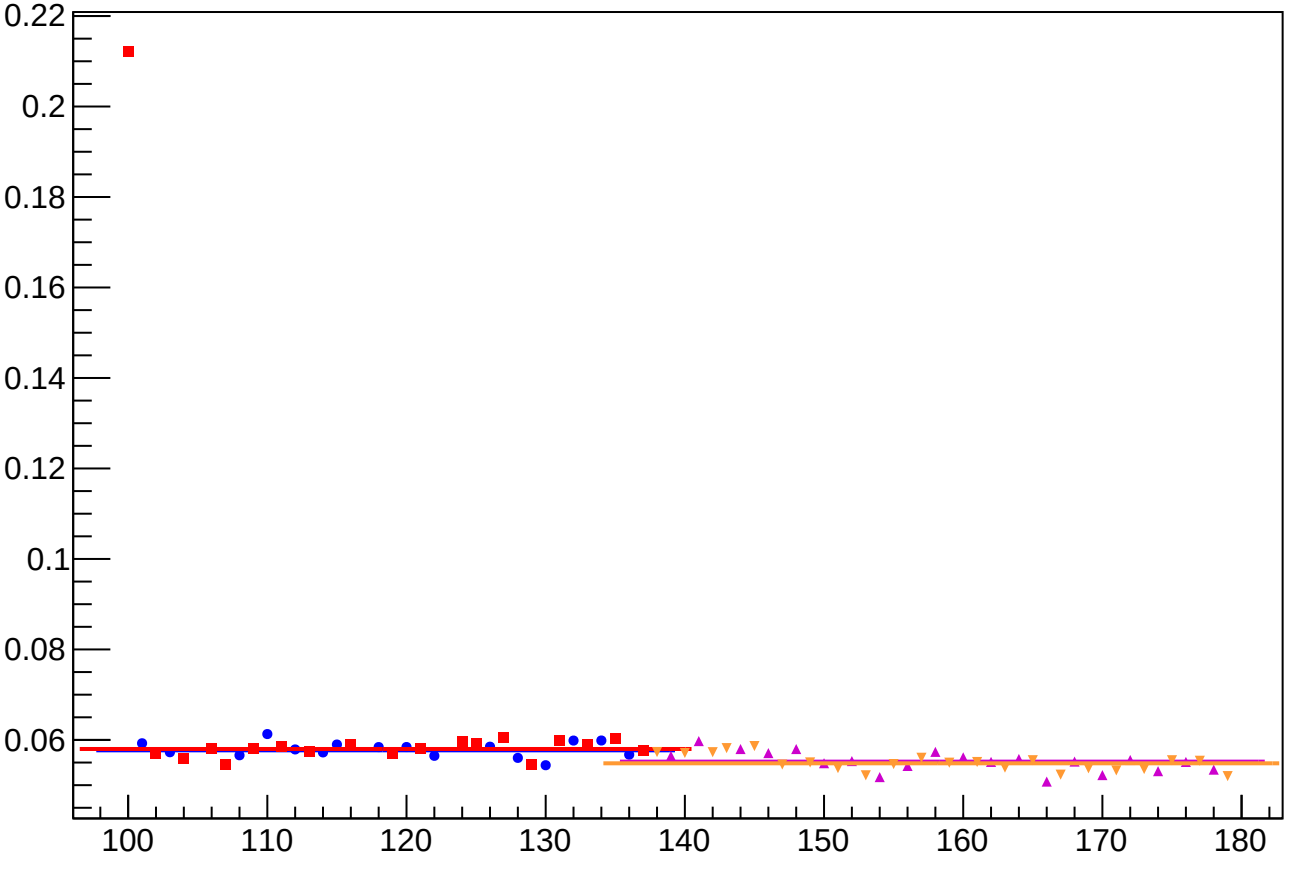
Left In: -25.413+/-0.000 χ^2/NDF:54572356.8/19

\+ sign -25.399+/-0.000 χ^2/NDF: 64104484.7/37

All: -25.393+/-0.000 χ^2/NDF: 6446666358.1/

\- sign -25.386+/-0.000 χ^2/NDF: 6381943286.6/38

yield_dsr_rms vs Slug



Right In: 0.058+/-0.000 χ^2/NDF: 11763.6/15

Left Out: 0.055+/-0.000 χ^2/NDF:36594.7/21

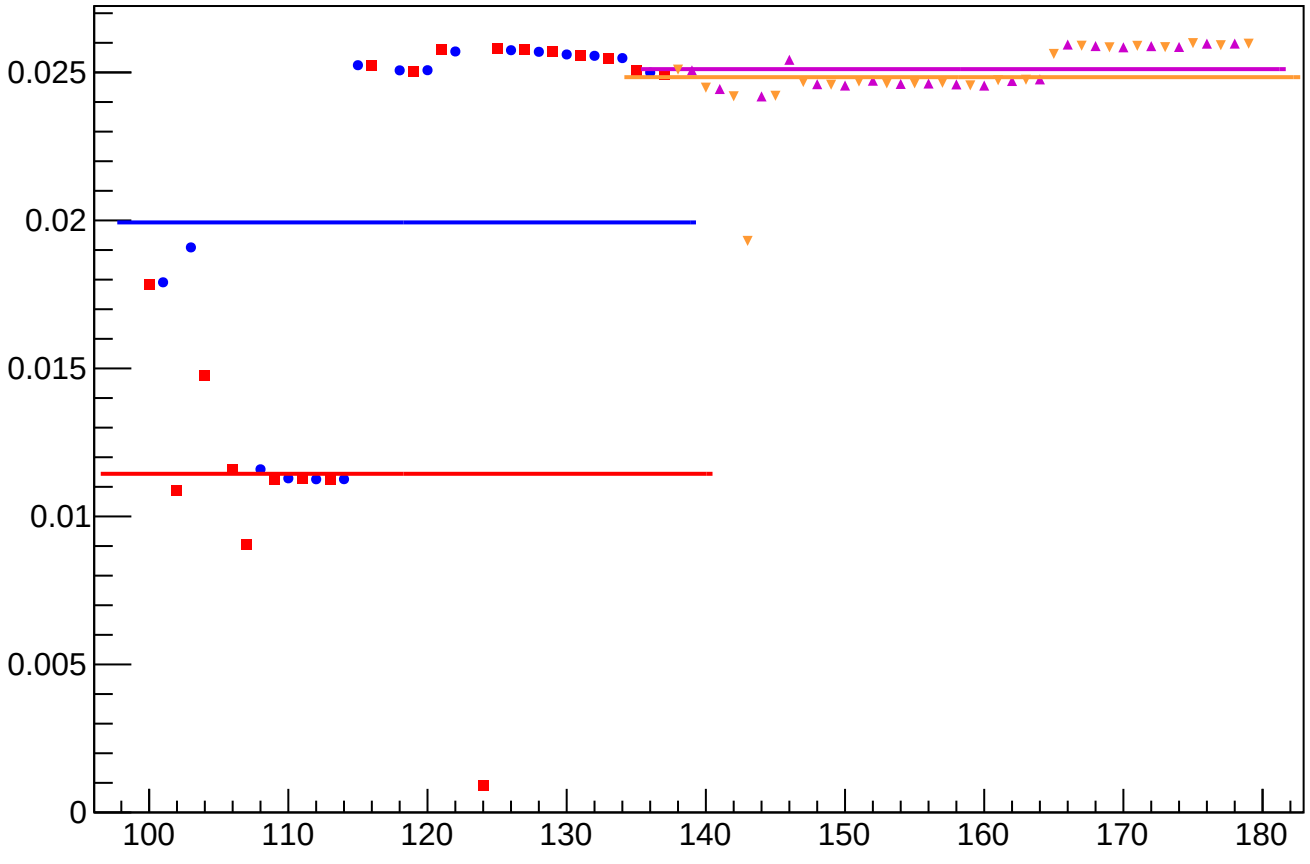
Right Out: 0.058+/-0.000 χ^2/NDF: 88682.9/18

Left In: 0.055+/-0.000 χ^2/NDF:49057.8/19

+ sign 0.056+/-0.000 χ^2/NDF: 73508.9/37

All: 0.056+/-0.000 χ^2/NDF: 236216.0/76

- sign 0.056+/-0.000 χ^2/NDF: 161447.4/38



Right In: 0.020+/-0.000 χ^2/NDF: 62465154056.0/15

Left Out: 0.025+/-0.000 χ^2/NDF:7096492492.6/21

Right Out: 0.011+/-0.000 χ^2/NDF: 253880264851.8/18

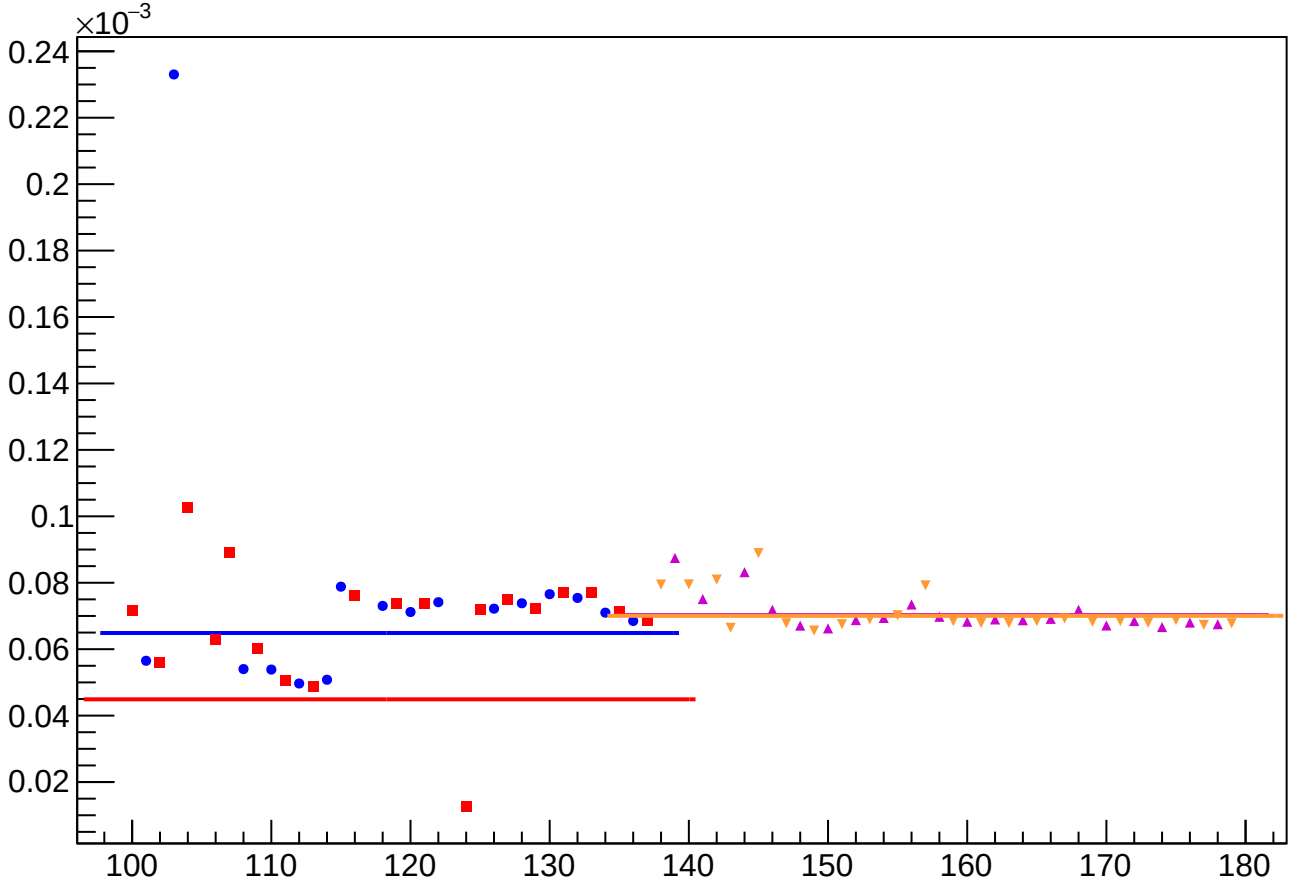
Left In: 0.025+/-0.000 χ^2/NDF:1279324263.4/19

+ sign 0.023+/-0.000 χ^2/NDF: 95457639197.5/37

All: 0.021+/-0.000 χ^2/NDF: 662853446586.8

- sign 0.019+/-0.000 χ^2/NDF: 520150971743.2/38

yield_atl1_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 816892.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:180268.3/21

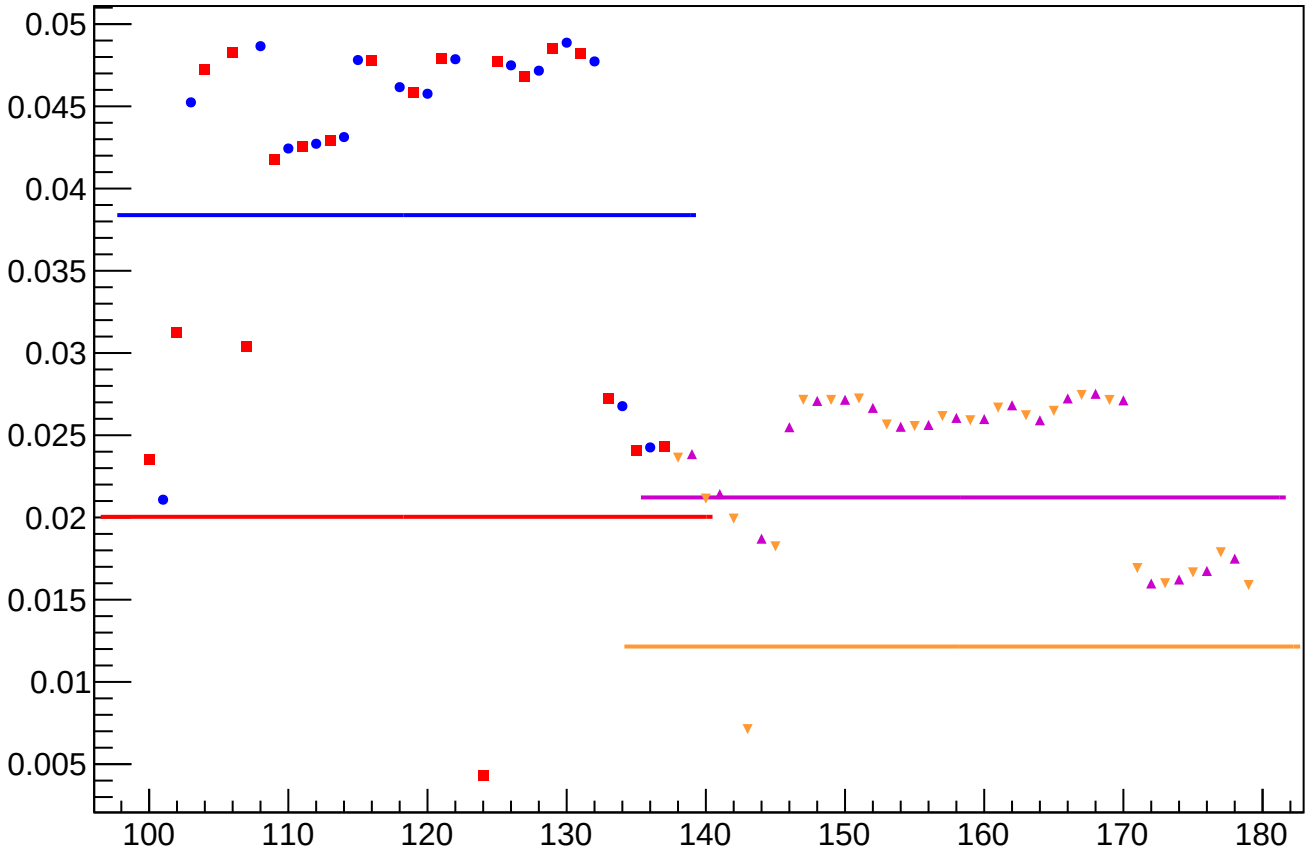
Right Out: 0.000+/-0.000 χ^2/NDF: 3770565.9/18

Left In: 0.000+/-0.000 χ^2/NDF:143885.7/19

+ sign 0.000+/-0.000 χ^2/NDF: 1054732.7/37

All: 0.000+/-0.000 χ^2/NDF: 7255218.8/76

- sign 0.000+/-0.000 χ^2/NDF: 5737869.3/38



Right In: 0.038+/-0.000 χ^2/NDF: 7078619233.3/15

Left Out: 0.012+/-0.000 χ^2/NDF:35507464206.1/21

Right Out: 0.020+/-0.000 χ^2/NDF: 42185025429.6/18

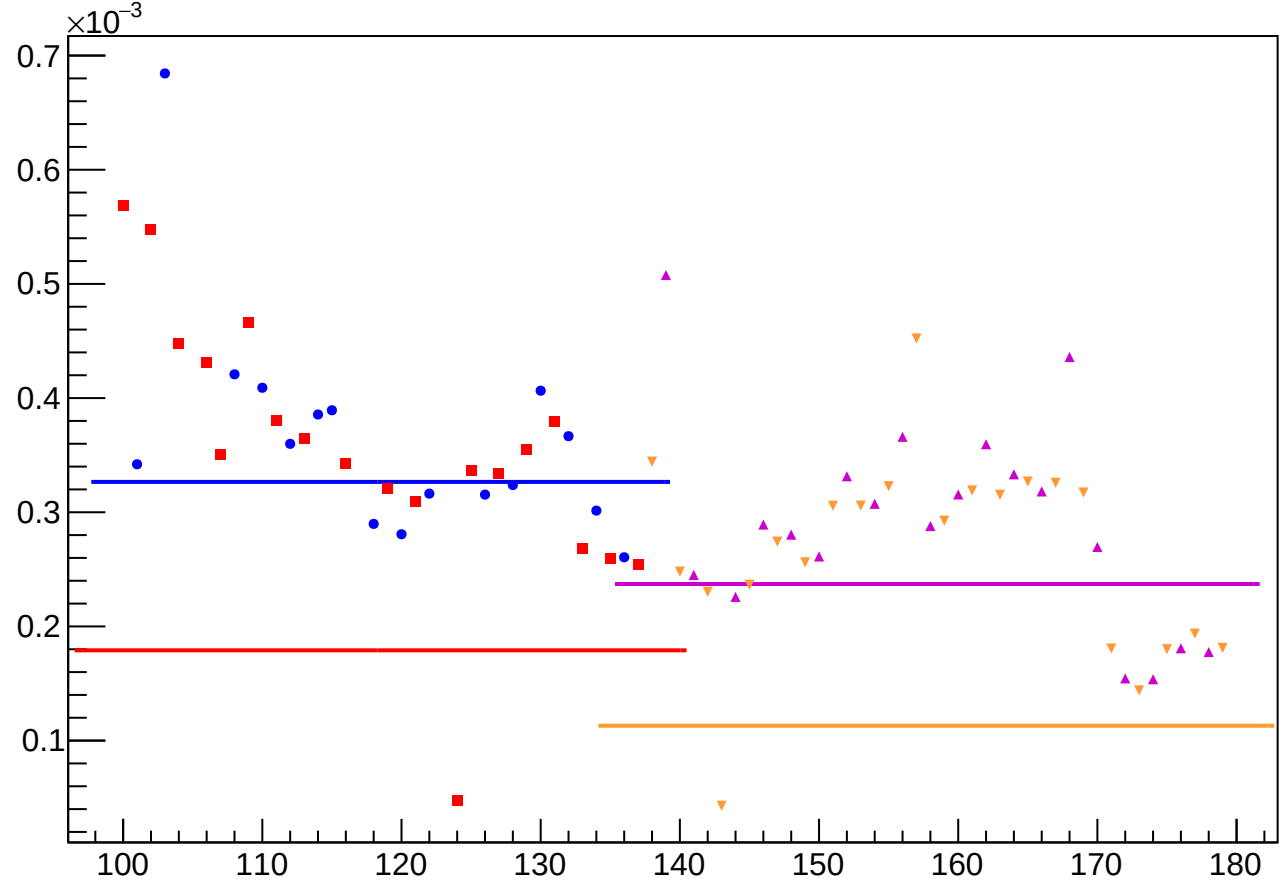
Left In: 0.021+/-0.000 χ^2/NDF:5347763263.6/19

+ sign 0.014+/-0.000 χ^2/NDF: 80100413531.3/37

All: 0.016+/-0.000 χ^2/NDF: 138321494183.6

- sign 0.021+/-0.000 χ^2/NDF: 47644880764.8/38

yield_atl2_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 581428.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:14042206.7/21

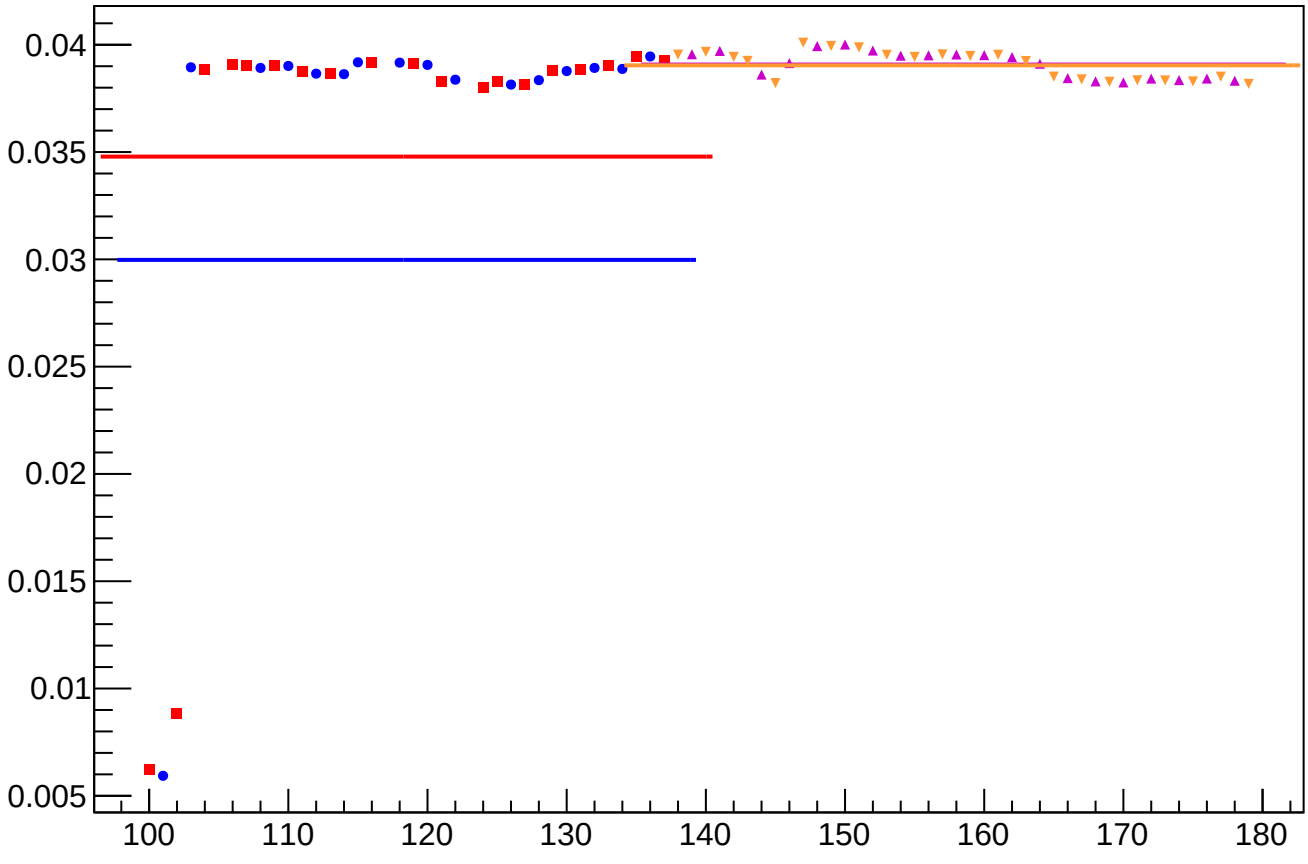
Right Out: 0.000+/-0.000 χ^2/NDF: 5660786.3/18

Left In: 0.000+/-0.000 χ^2/NDF:2974056.7/19

+ sign 0.000+/-0.000 χ^2/NDF: 19596673.5/37

All: 0.000+/-0.000 χ^2/NDF: 32515169.1/76

- sign 0.000+/-0.000 χ^2/NDF: 9180444.1/38



Right In: 0.030+/-0.000 χ^2/NDF: 108275706275.7/15

Left Out: 0.039+/-0.000 χ^2/NDF:433389688.2/21

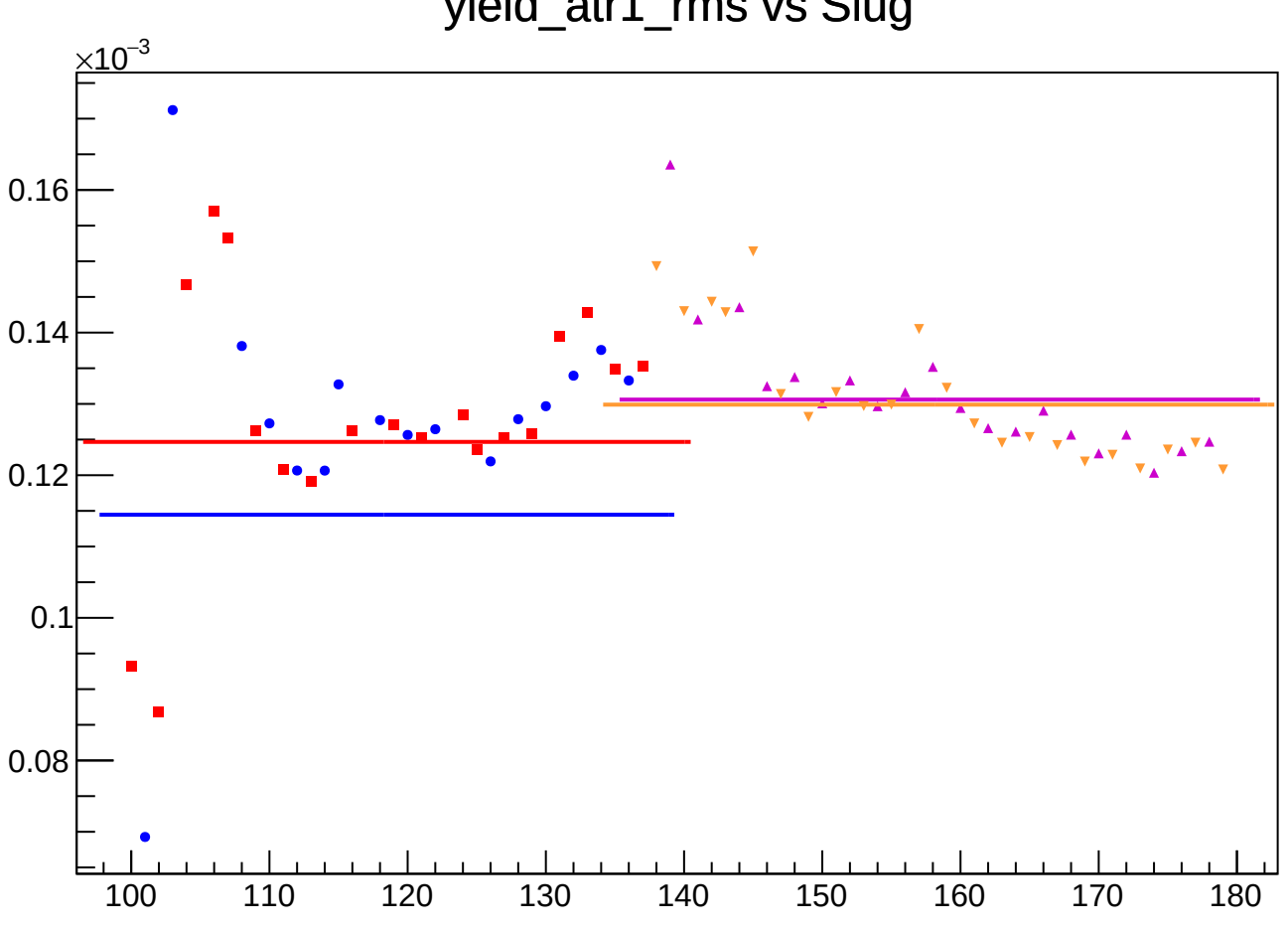
Right Out: 0.035+/-0.000 χ^2/NDF: 47263545471.6/18

Left In: 0.039+/-0.000 χ^2/NDF:357800244.1/19

+ sign 0.036+/-0.000 χ^2/NDF: 136439832984.8/37

All: 0.037+/-0.000 χ^2/NDF: 191664052383.2

- sign 0.038+/-0.000 χ^2/NDF: 53174282336.2/38



Right In: 0.000+/-0.000 χ^2/NDF: 853142.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:147077.9/21

Right Out: 0.000+/-0.000 χ^2/NDF: 260393.6/18

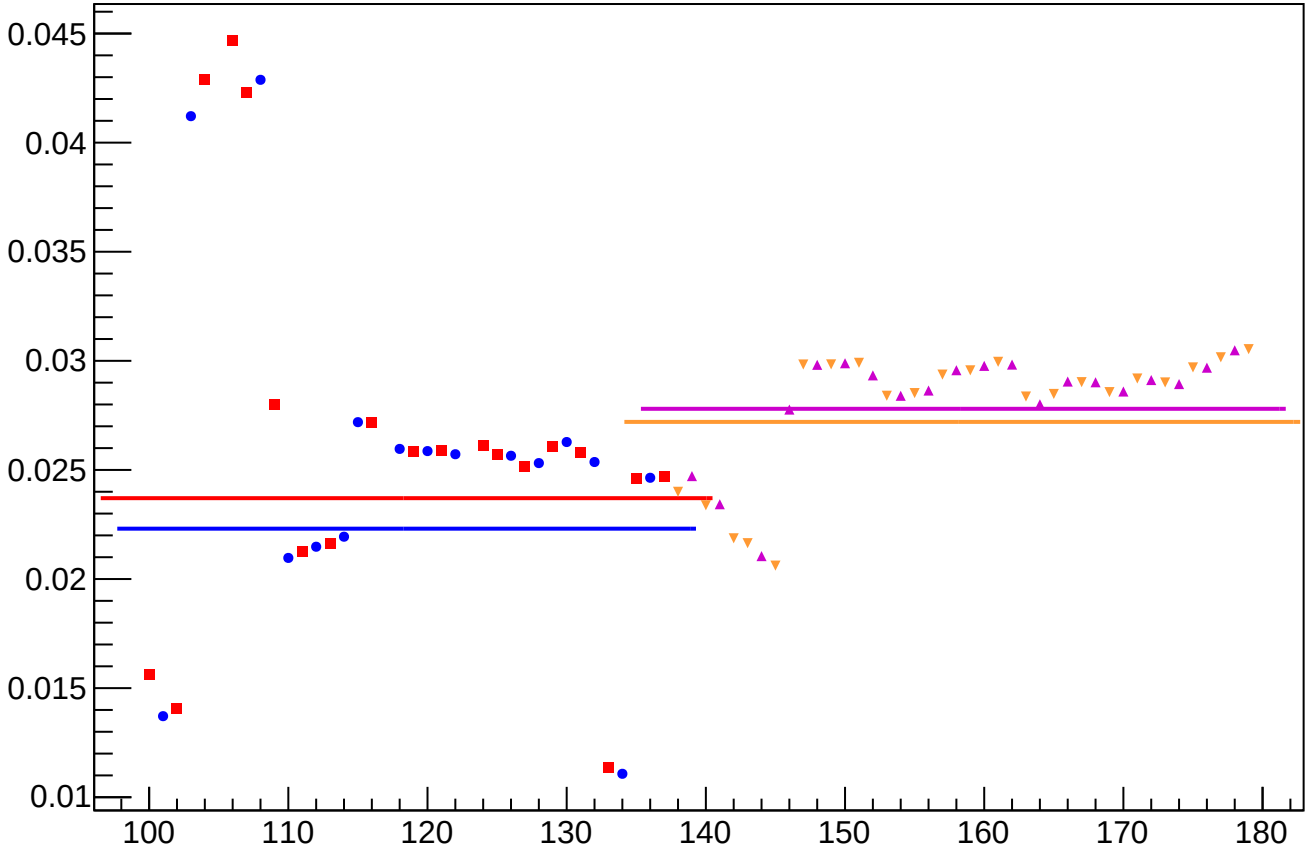
Left In: 0.000+/-0.000 χ^2/NDF:130412.9/19

+ sign 0.000+/-0.000 χ^2/NDF: 1161040.2/37

All: 0.000+/-0.000 χ^2/NDF: 1595689.9/76

- sign 0.000+/-0.000 χ^2/NDF: 412030.9/38

yield_atr2_mean vs Slug



Right In: 0.022+/-0.000 χ^2/NDF: 5012486114.6/15

Left Out: 0.027+/-0.000 χ^2/NDF:2150526981.1/21

Right Out: 0.024+/-0.000 χ^2/NDF: 5581865088.7/18

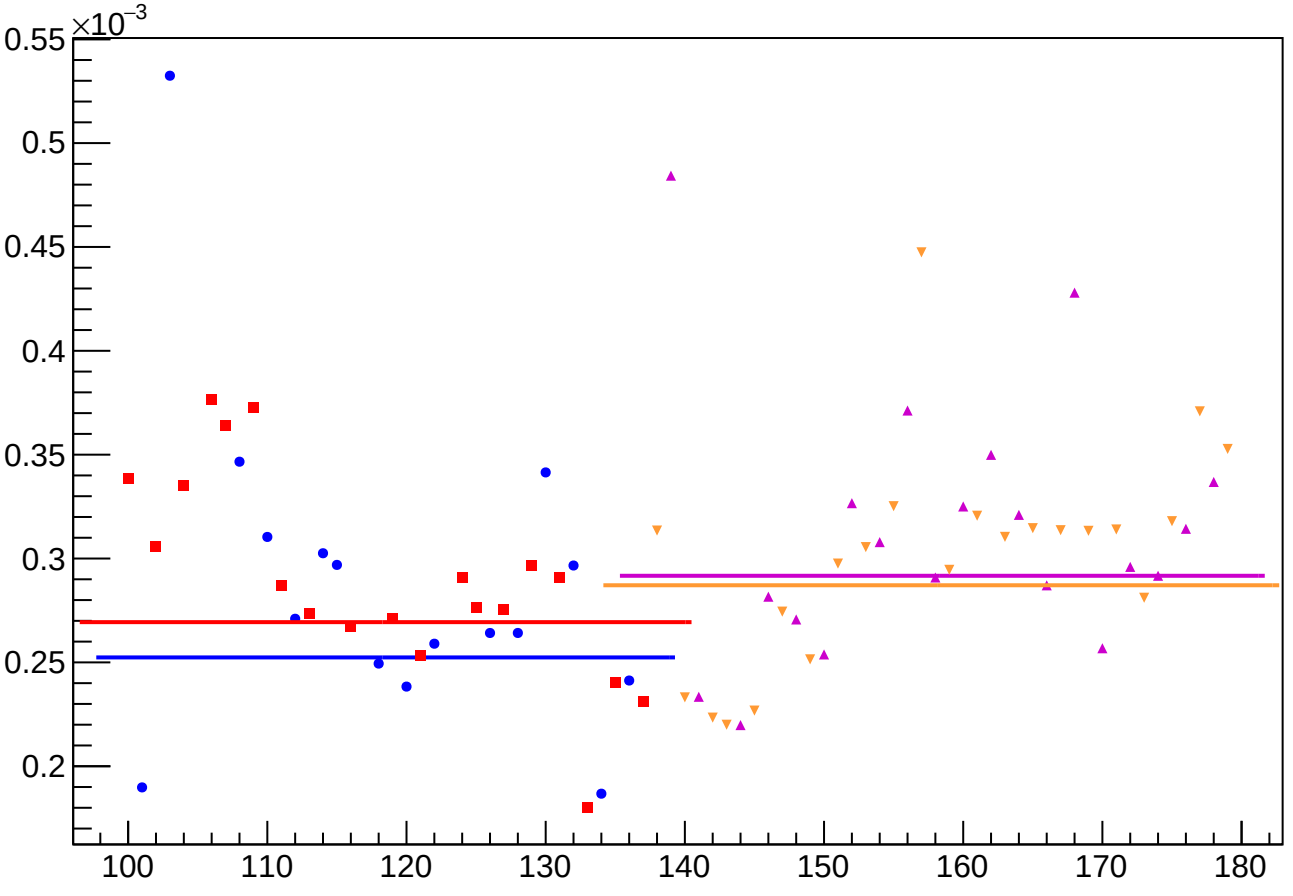
Left In: 0.028+/-0.000 χ^2/NDF:1407135140.2/19

+ sign 0.026+/-0.000 χ^2/NDF: 8702264021.7/37

All: 0.026+/-0.000 χ^2/NDF: 16782999173.9/7

- sign 0.026+/-0.000 χ^2/NDF: 7973405228.1/38

yield_atr2_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 707863.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:812370.0/21

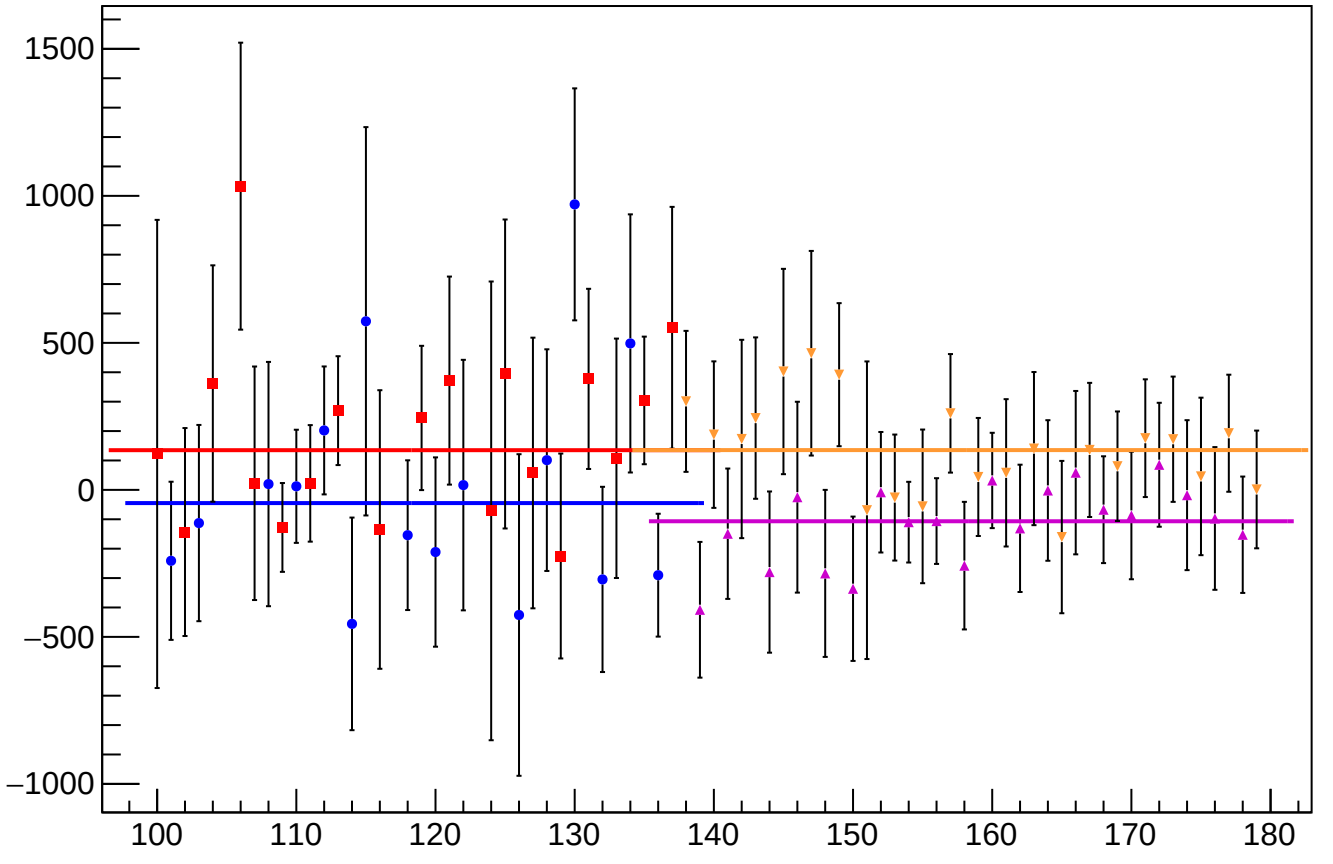
Right Out: 0.000+/-0.000 χ^2/NDF: 446359.4/18

Left In: 0.000+/-0.000 χ^2/NDF:958283.0/19

+ sign 0.000+/-0.000 χ^2/NDF: 1675373.2/37

All: 0.000+/-0.000 χ^2/NDF: 3160150.1/76

- sign 0.000+/-0.000 χ^2/NDF: 1463113.6/38



Right In: -44.917+/-76.198 χ^2/NDF: 15.5/15

Left Out: 135.281+/-51.074 χ^2/NDF:7.3/21

Right Out: 134.996+/-68.062 χ^2/NDF: 12.9/18

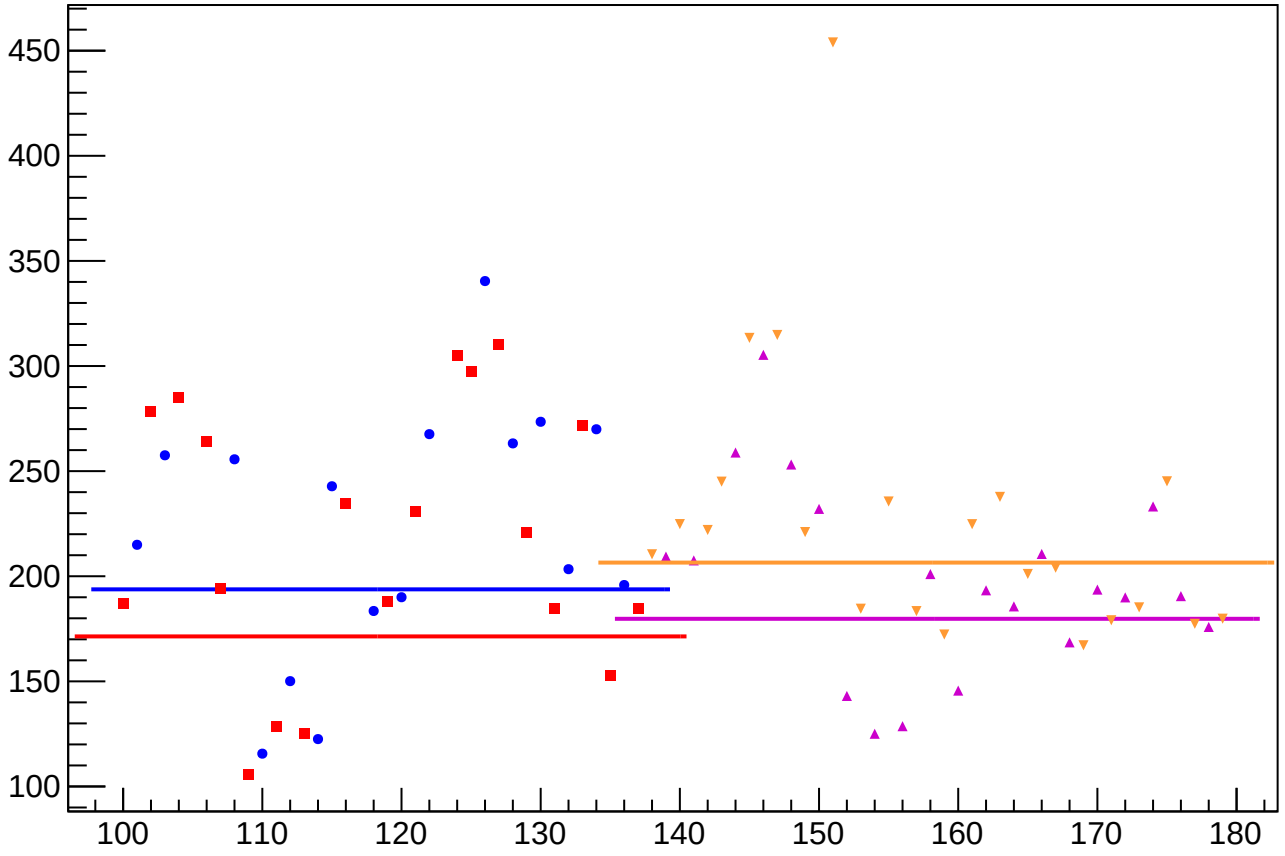
Left In: -106.754+/-46.732 χ^2/NDF:6.5/19

+ sign 79.419+/-42.425 χ^2/NDF: 26.7/37

All: 19.833+/-28.521 χ^2/NDF: 58.3/76

- sign -29.301+/-38.525 χ^2/NDF: 28.0/38

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 193.768+/-0.054 χ^2/NDF: 1048095.1/15

Left Out: 206.500+/-0.036 χ^2/NDF:1358310.1/21

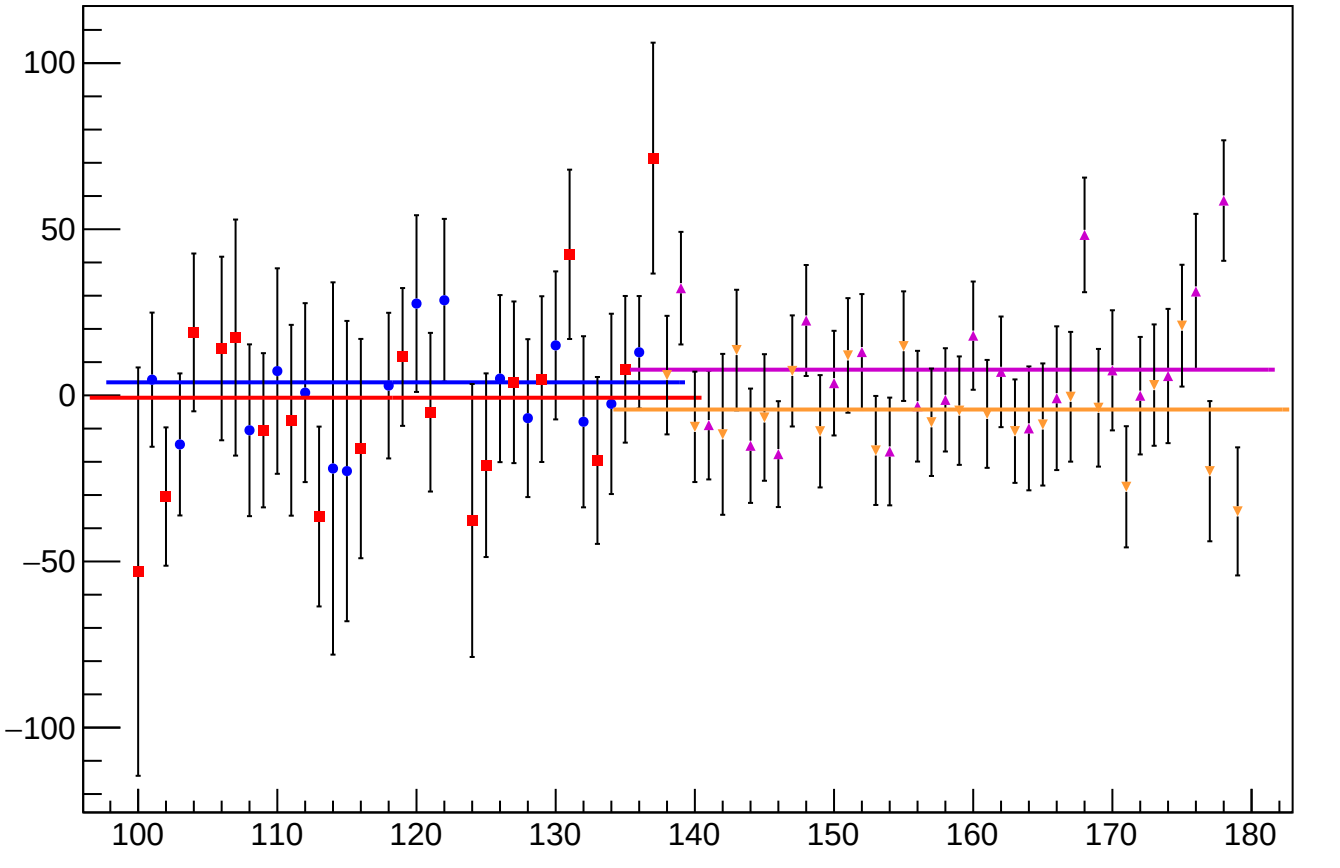
Right Out: 171.382+/-0.048 χ^2/NDF: 1658079.5/18

Left In: 179.756+/-0.033 χ^2/NDF:1636308.6/19

+ sign 202.553+/-0.030 χ^2/NDF: 2444936.7/37

All: 188.588+/-0.020 χ^2/NDF: 6155288.3/76

- sign 177.073+/-0.027 χ^2/NDF: 3314962.4/38



Right In: 3.923+/-6.172 χ^2/NDF: 4.5/15

Left Out: -4.261+/-3.772 χ^2/NDF:12.3/21

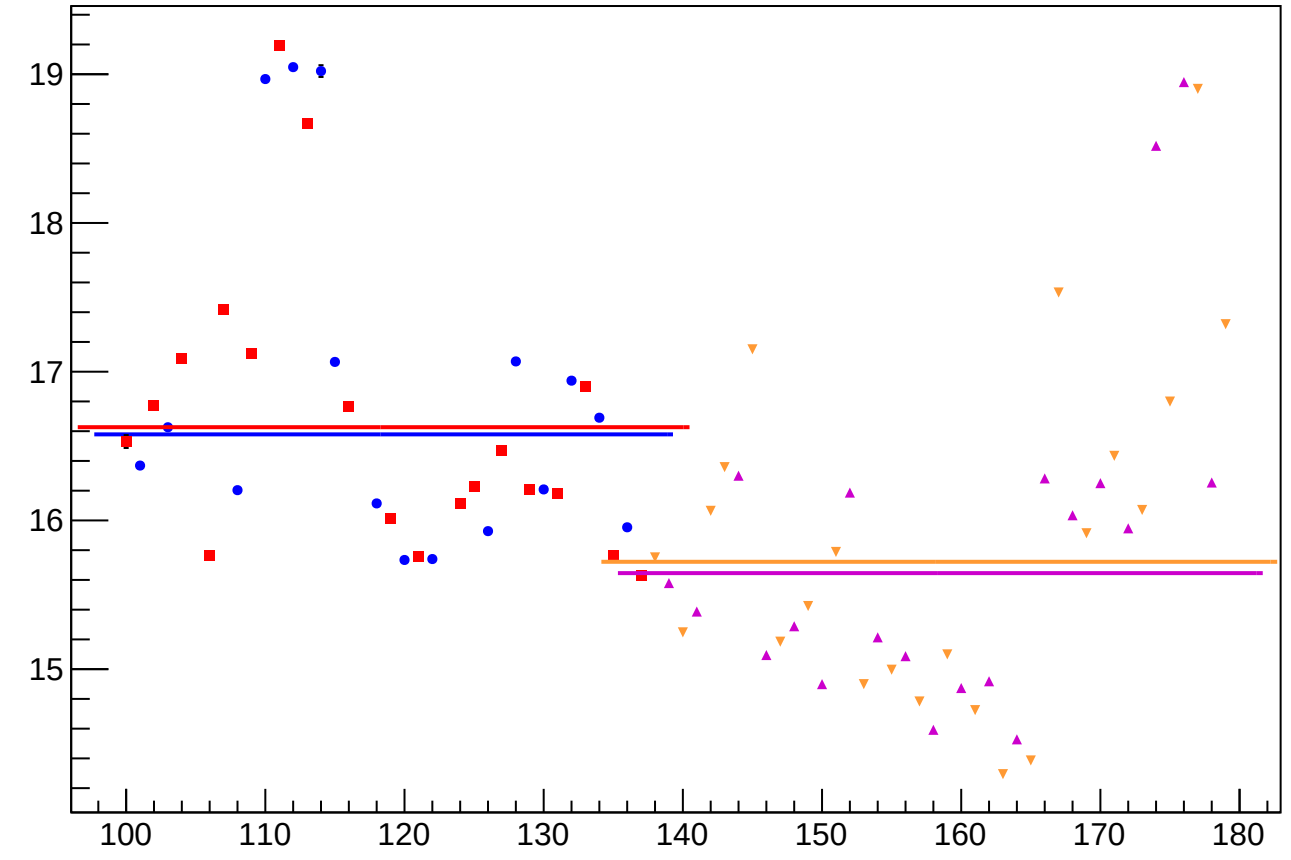
Right Out: -0.714+/-6.077 χ^2/NDF: 15.9/18

Left In: 7.732+/-3.884 χ^2/NDF:27.6/19

\+ sign -2.035+/-3.219 χ^2/NDF: 18.0/37

All: 1.563+/-2.295 χ^2/NDF: 65.4/76

\- sign 5.283+/-3.272 χ^2/NDF: 44.8/38



Right In: 16.579+/-0.004 χ^2/NDF: 44575.6/15

Left Out: 15.722+/-0.003 χ^2/NDF:159190.8/21

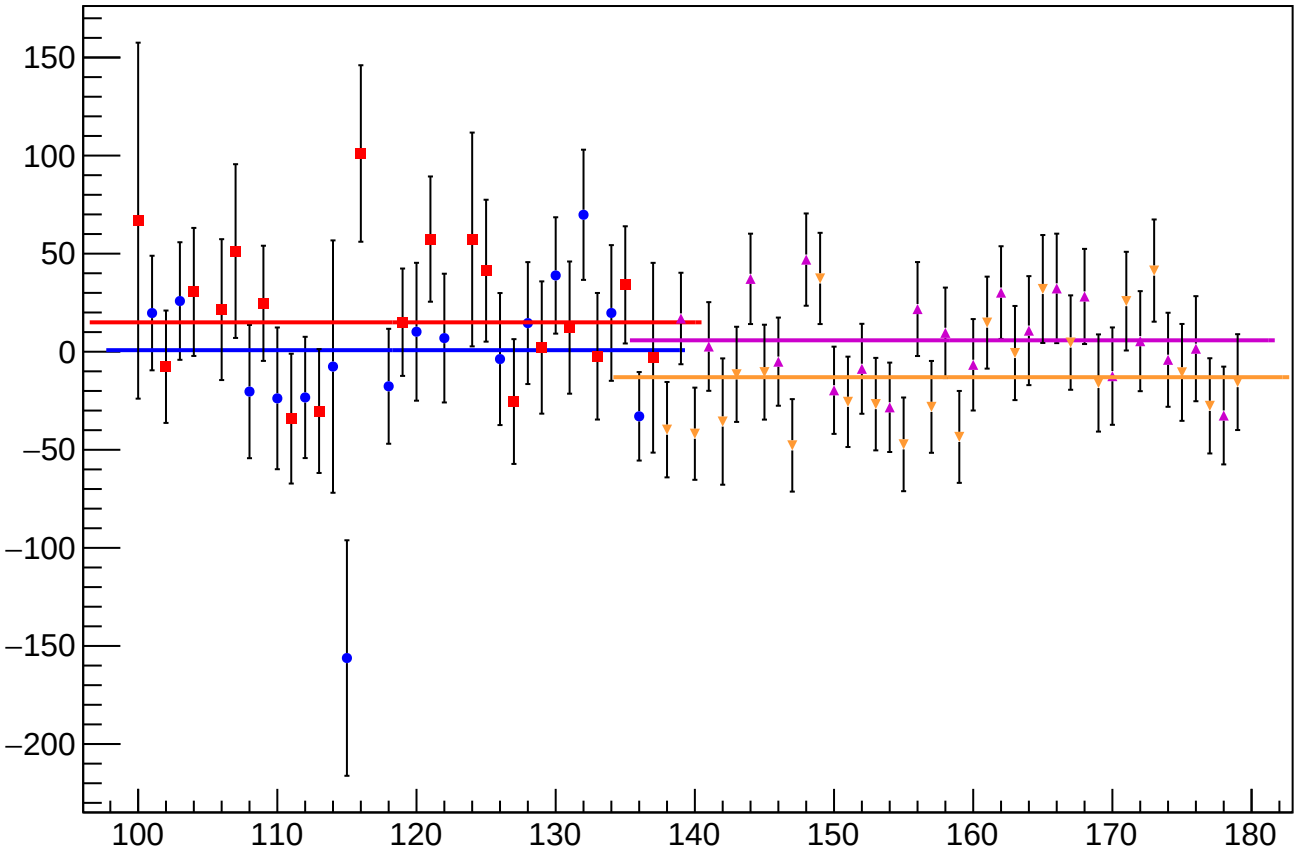
Right Out: 16.627+/-0.004 χ^2/NDF: 43461.8/18

Left In: 15.646+/-0.003 χ^2/NDF:129704.9/19

\+ sign 15.955+/-0.002 χ^2/NDF: 231823.2/37

All: 15.943+/-0.002 χ^2/NDF: 442068.6/76

\- sign 15.930+/-0.002 χ^2/NDF: 210187.7/38



Right In: 0.790+/-8.125 χ^2/NDF: 18.7/15

Left Out: -12.985+/-5.206 χ^2/NDF:26.9/21

Right Out: 14.981+/-7.953 χ^2/NDF: 15.4/18

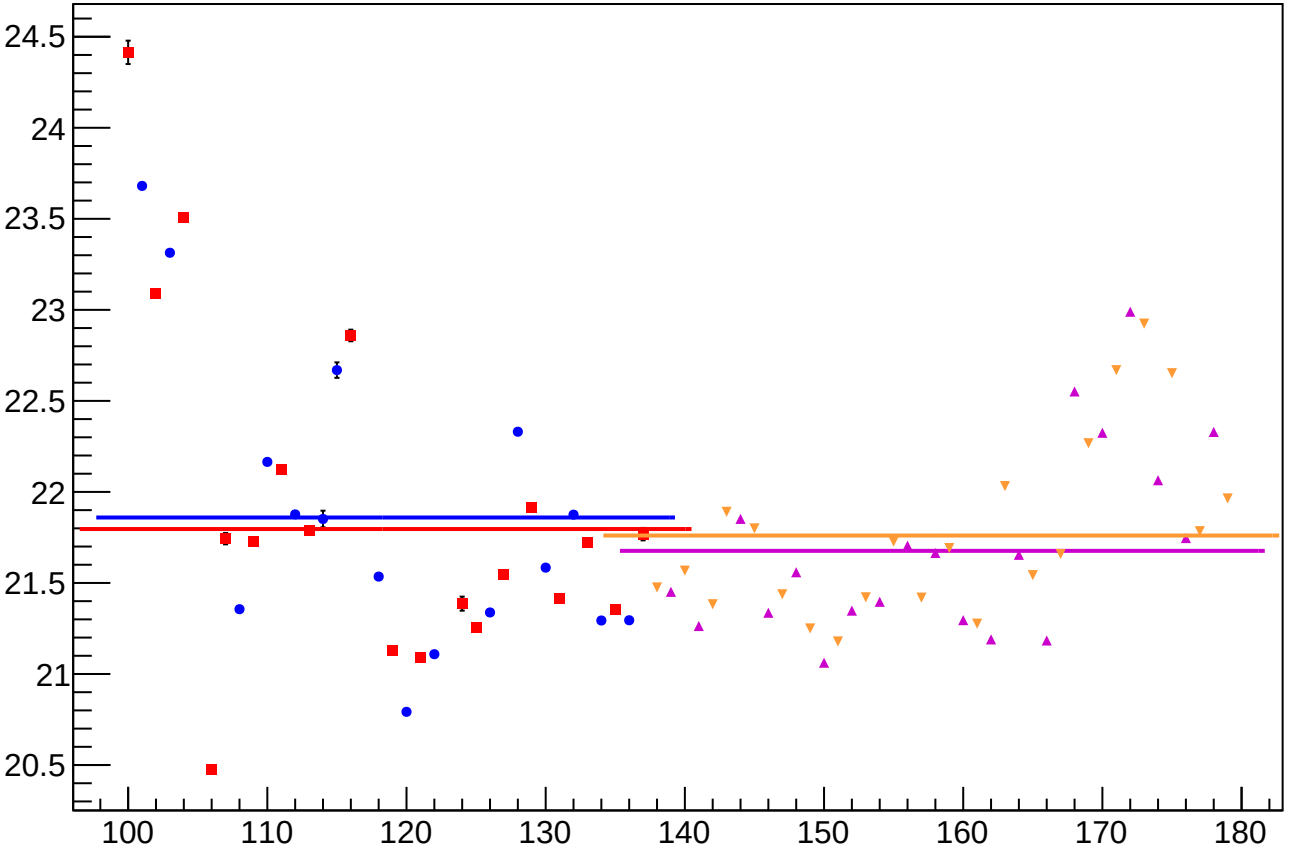
Left In: 5.816+/-5.364 χ^2/NDF:16.1/19

+ sign -8.976+/-4.383 χ^2/NDF: 47.6/37

All: -0.275+/-3.122 χ^2/NDF: 87.9/76

- sign 8.682+/-4.447 χ^2/NDF: 32.4/38

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs Slug



Right In: 21.860+/-0.006 χ^2/NDF: 19468.1/15

Left Out: 21.761+/-0.004 χ^2/NDF:15671.7/21

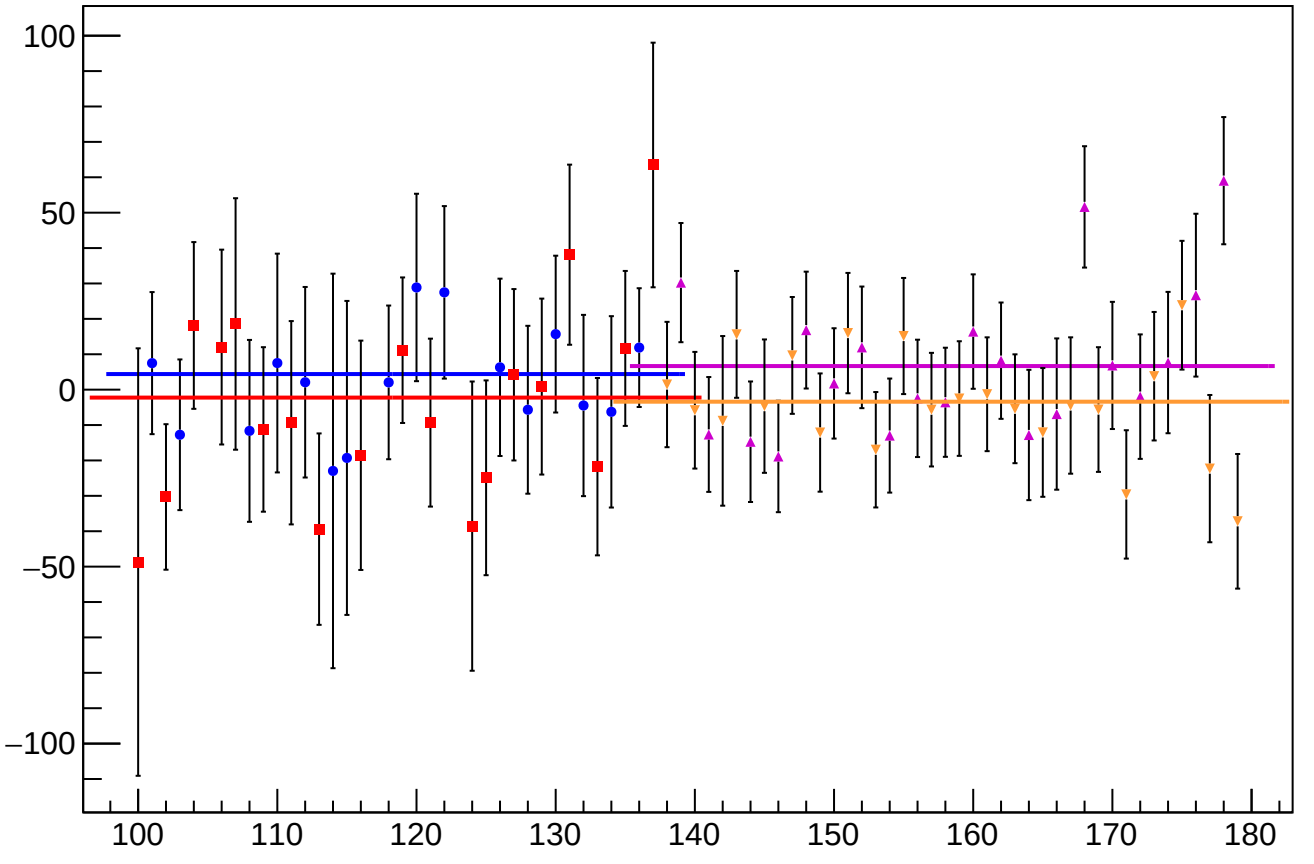
Right Out: 21.796+/-0.006 χ^2/NDF: 18861.3/18

Left In: 21.676+/-0.004 χ^2/NDF:16909.3/19

+ sign 21.789+/-0.003 χ^2/NDF: 35350.4/37

All: 21.752+/-0.002 χ^2/NDF: 71726.4/76

- sign 21.714+/-0.003 χ^2/NDF: 36083.1/38



Right In: 4.404+/-6.137 χ^2/NDF: 4.3/15

Left Out: -3.403+/-3.736 χ^2/NDF:14.2/21

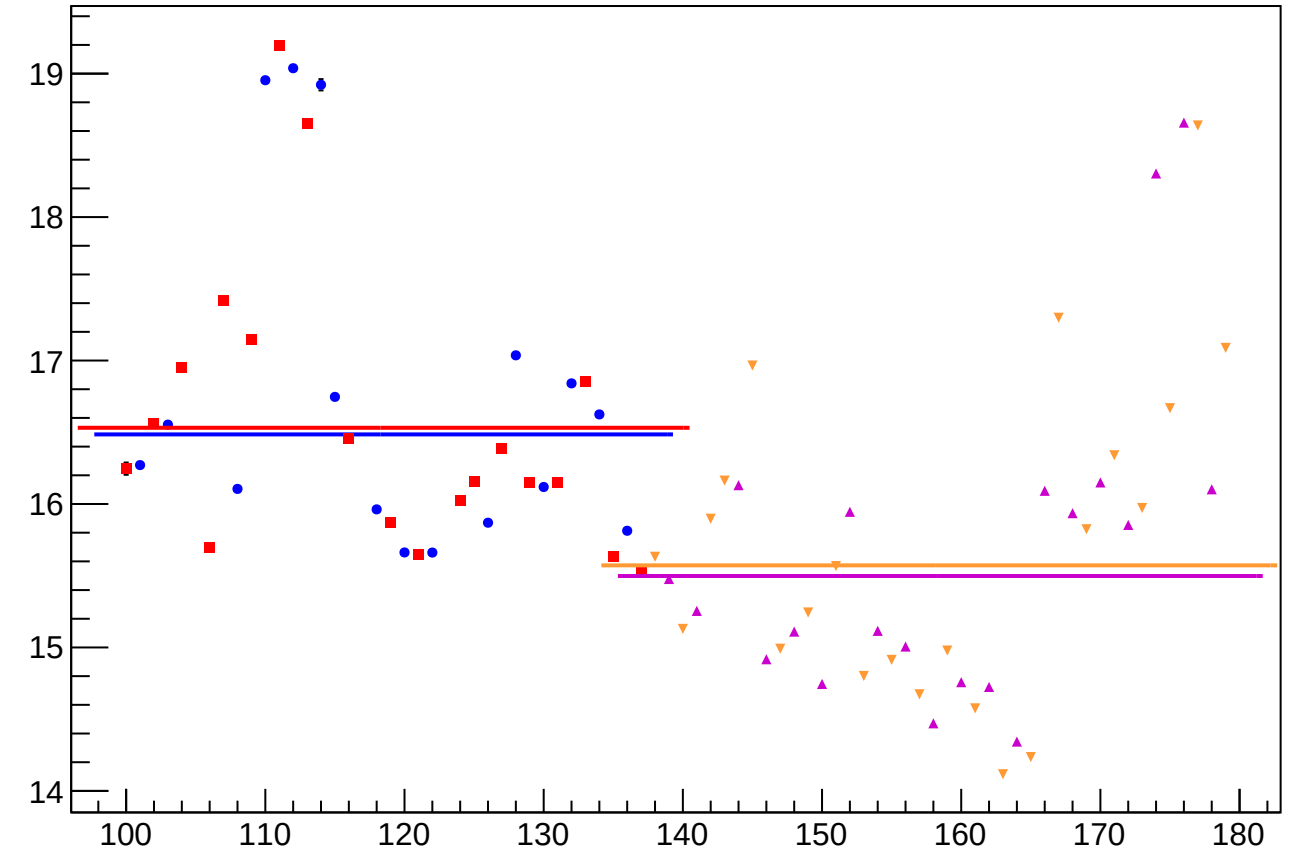
Right Out: -2.244+/-6.042 χ^2/NDF: 15.4/18

Left In: 6.665+/-3.847 χ^2/NDF:28.7/19

\+ sign -1.292+/-3.191 χ^2/NDF: 19.7/37

All: 1.357+/-2.275 χ^2/NDF: 66.7/76

\- sign 4.096+/-3.245 χ^2/NDF: 45.6/38



Right In: 16.485+/-0.004 χ^2/NDF: 47186.1/15

Left Out: 15.572+/-0.003 χ^2/NDF:155697.6/21

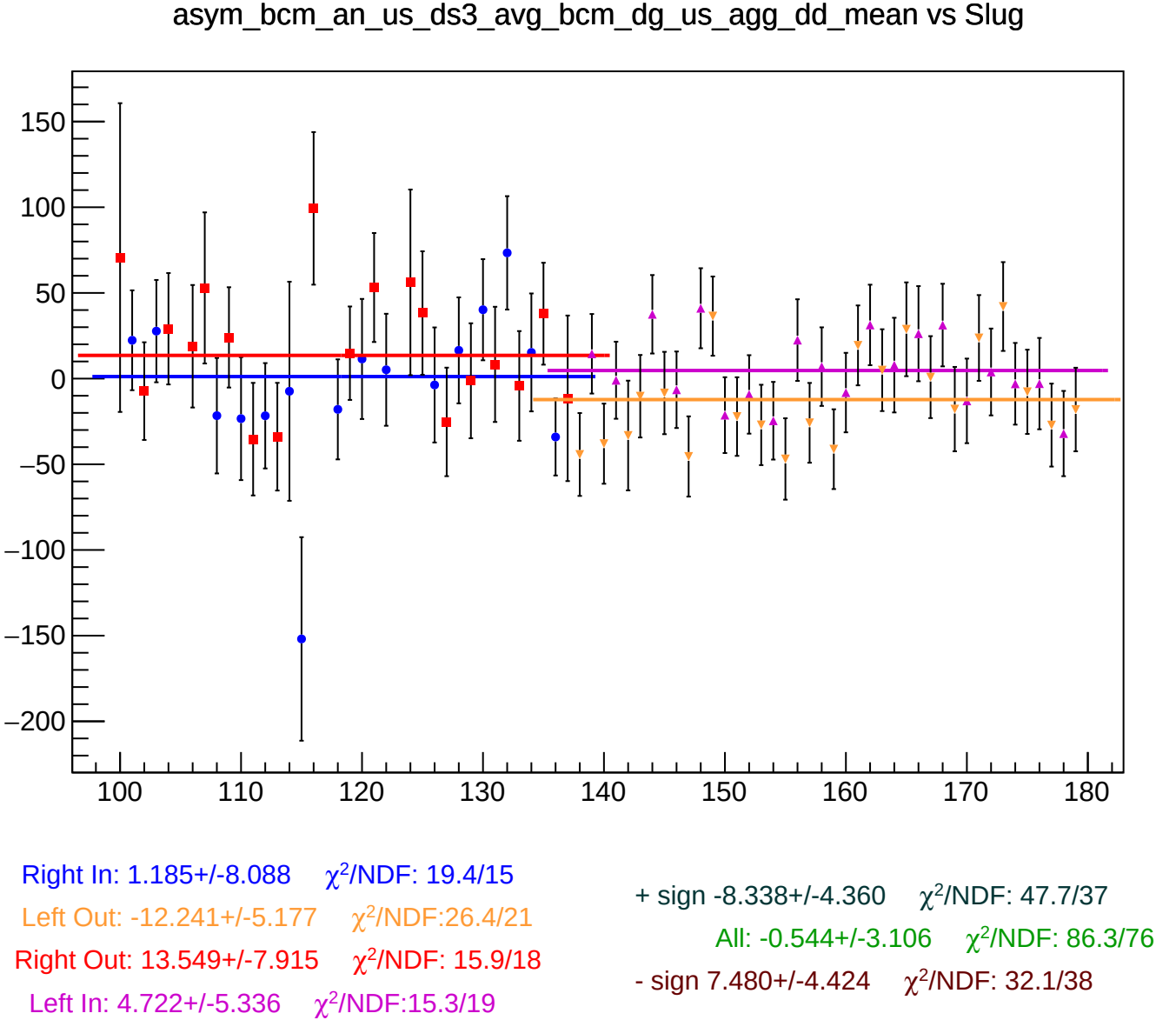
Right Out: 16.531+/-0.004 χ^2/NDF: 46474.0/18

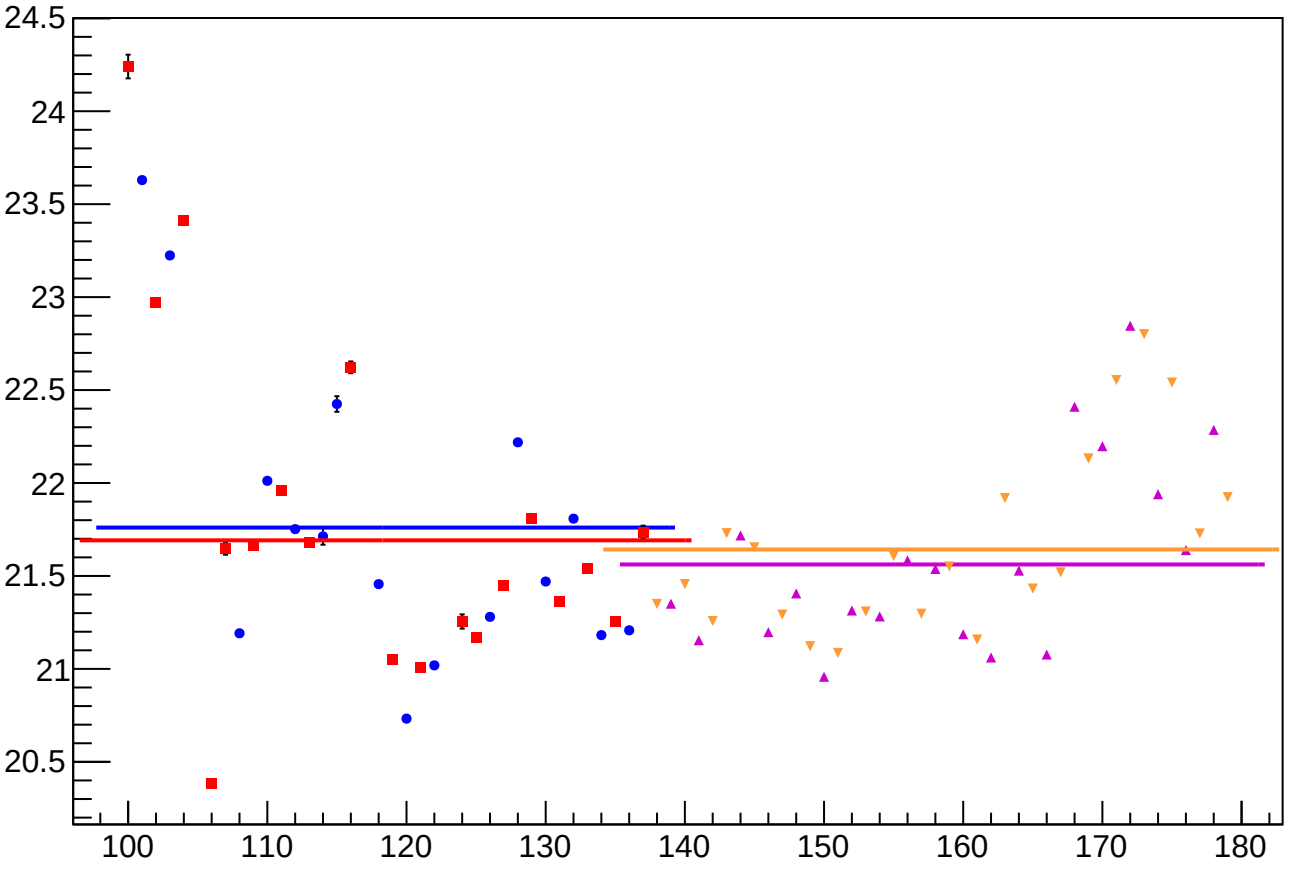
Left In: 15.498+/-0.003 χ^2/NDF:127116.8/19

\+ sign 15.819+/-0.002 χ^2/NDF: 235166.8/37

All: 15.808+/-0.002 χ^2/NDF: 450420.5/76

\- sign 15.796+/-0.002 χ^2/NDF: 215202.5/38


asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_mean vs Slug
150
100
50
0
−50
−100
−150
−200
100
110
120
130
140
150
160
170
180
Right In: 1.185+/-8.088 χ²/NDF: 19.4/15
Left Out: -12.241+/-5.177 χ²/NDF:26.4/21
Right Out: 13.549+/-7.915 χ²/NDF: 15.9/18
Left In: 4.722+/-5.336 χ²/NDF:15.3/19
+ sign -8.338+/-4.360 χ²/NDF: 47.7/37
All: -0.544+/-3.106 χ²/NDF: 86.3/76
- sign 7.480+/-4.424 χ²/NDF: 32.1/38



Right In: 21.760+/-0.006 χ^2/NDF: 19745.7/15

Left Out: 21.642+/-0.004 χ^2/NDF:15961.7/21

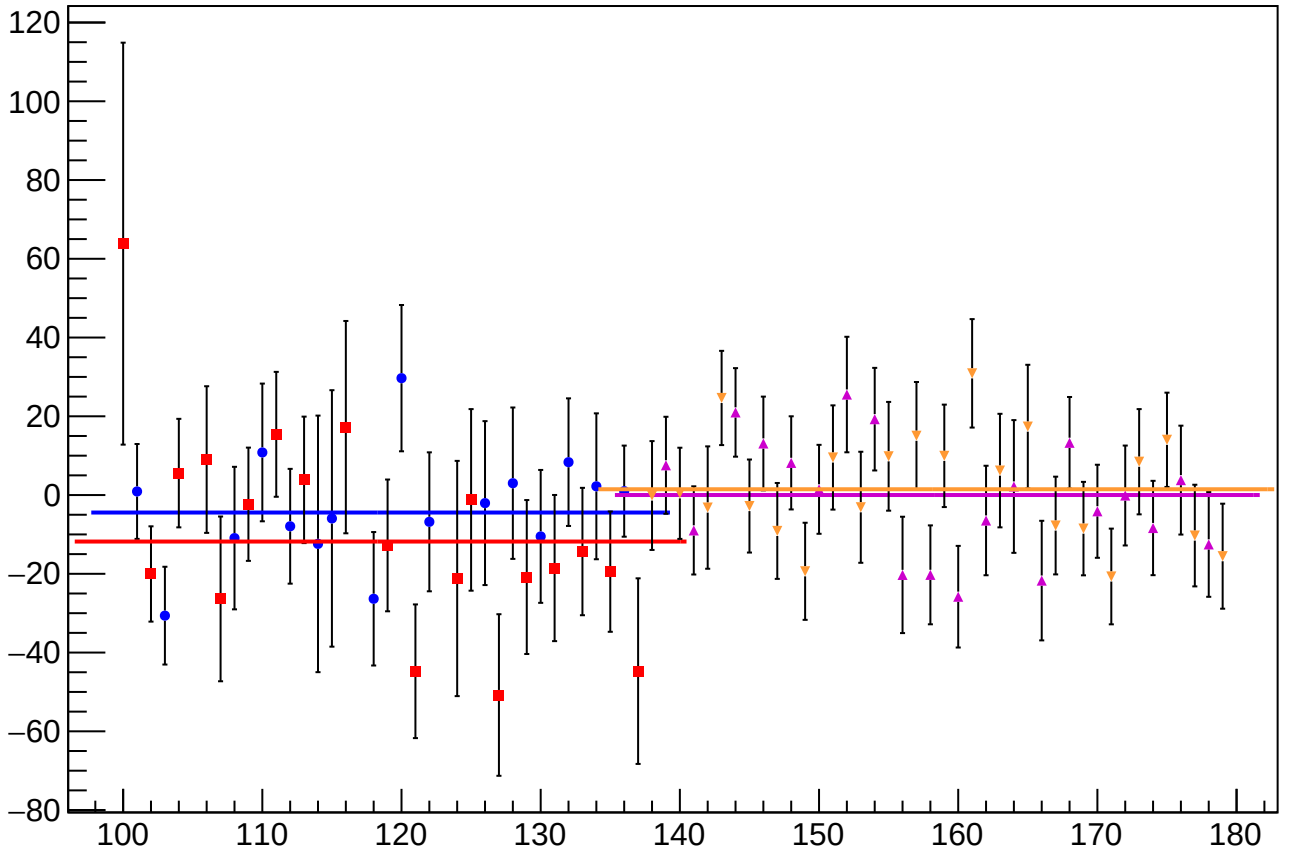
Right Out: 21.692+/-0.006 χ^2/NDF: 18330.7/18

Left In: 21.562+/-0.004 χ^2/NDF:16766.4/19

+ sign 21.677+/-0.003 χ^2/NDF: 36008.6/37

All: 21.640+/-0.002 χ^2/NDF: 71760.9/76

- sign 21.602+/-0.003 χ^2/NDF: 35466.4/38



Right In: -4.440+/-4.131 χ^2/NDF: 12.0/15

Left Out: 1.473+/-2.771 χ^2/NDF:24.0/21

Right Out: -11.807+/-4.097 χ^2/NDF: 21.7/18

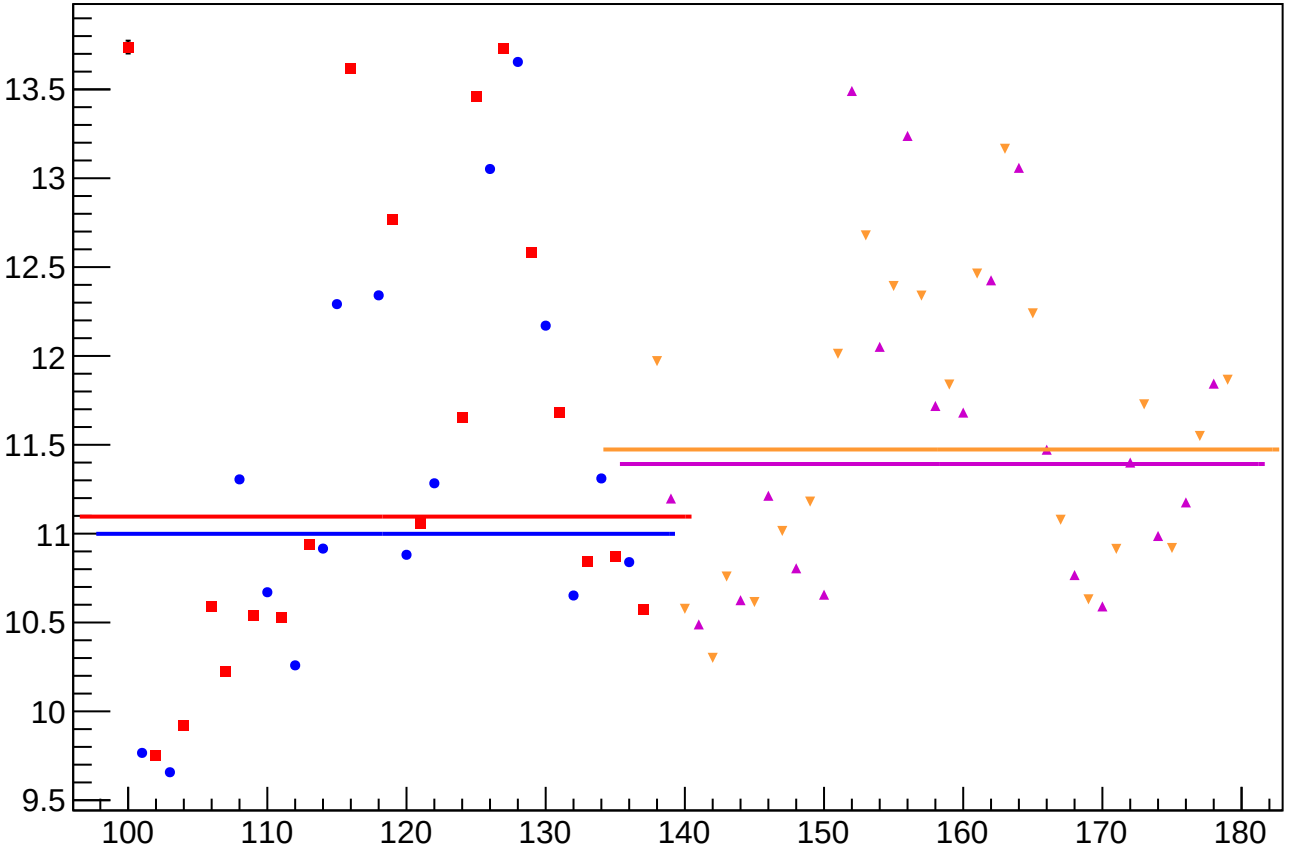
Left In: 0.009+/-2.844 χ^2/NDF:25.1/19

+ sign -0.362+/-2.301 χ^2/NDF: 37.4/37

All: -2.071+/-1.639 χ^2/NDF: 90.9/76

- sign -3.832+/-2.336 χ^2/NDF: 52.4/38

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 10.999+/-0.003 χ^2/NDF: 136159.2/15

Left Out: 11.474+/-0.002 χ^2/NDF:149885.1/21

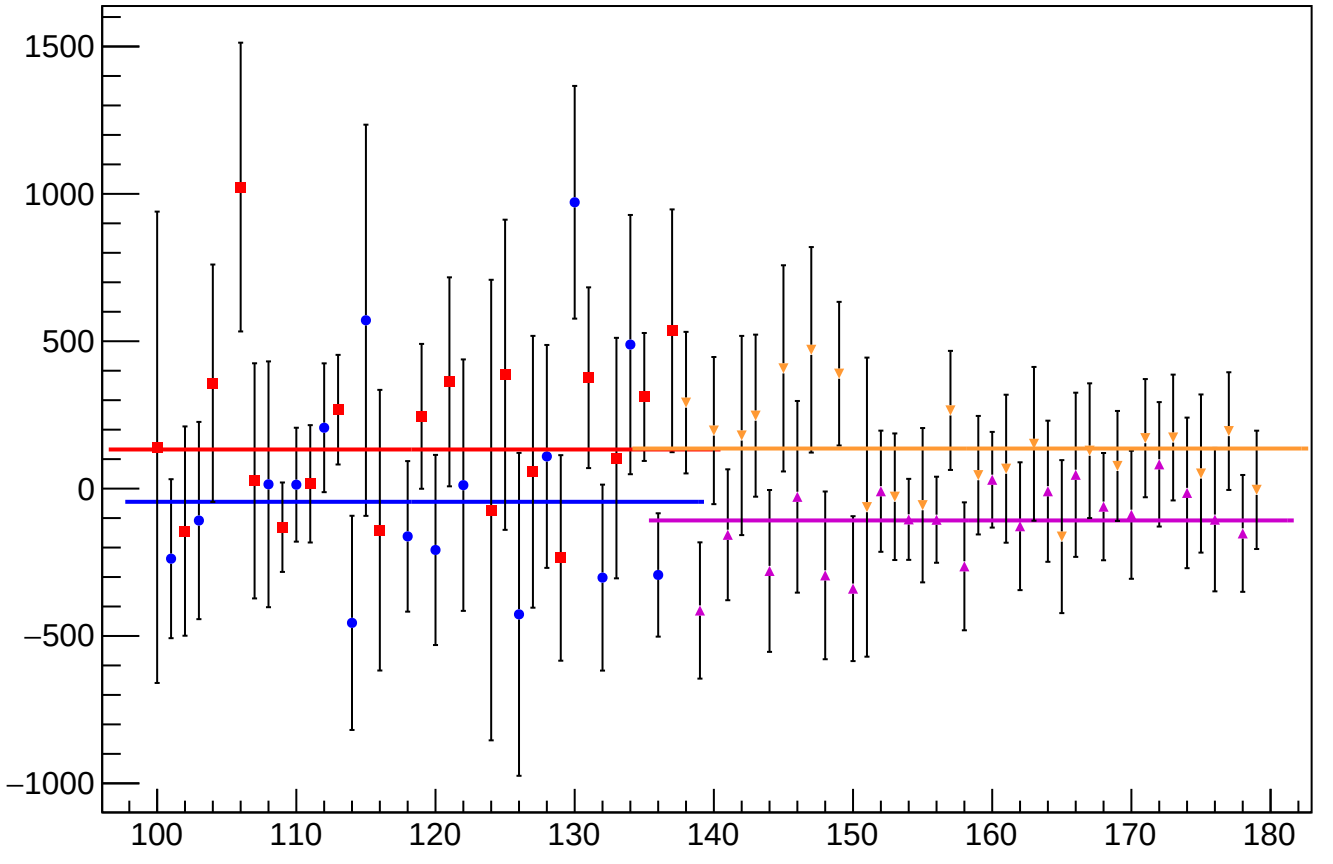
Right Out: 11.096+/-0.003 χ^2/NDF: 162908.7/18

Left In: 11.392+/-0.002 χ^2/NDF:167034.3/19

+ sign 11.326+/-0.002 χ^2/NDF: 304251.0/37

All: 11.311+/-0.001 χ^2/NDF: 641412.5/76

- sign 11.296+/-0.002 χ^2/NDF: 336986.8/38



Right In: -44.797+/-76.424 χ^2/NDF: 15.4/15

Left Out: 135.971+/-51.172 χ^2/NDF:7.4/21

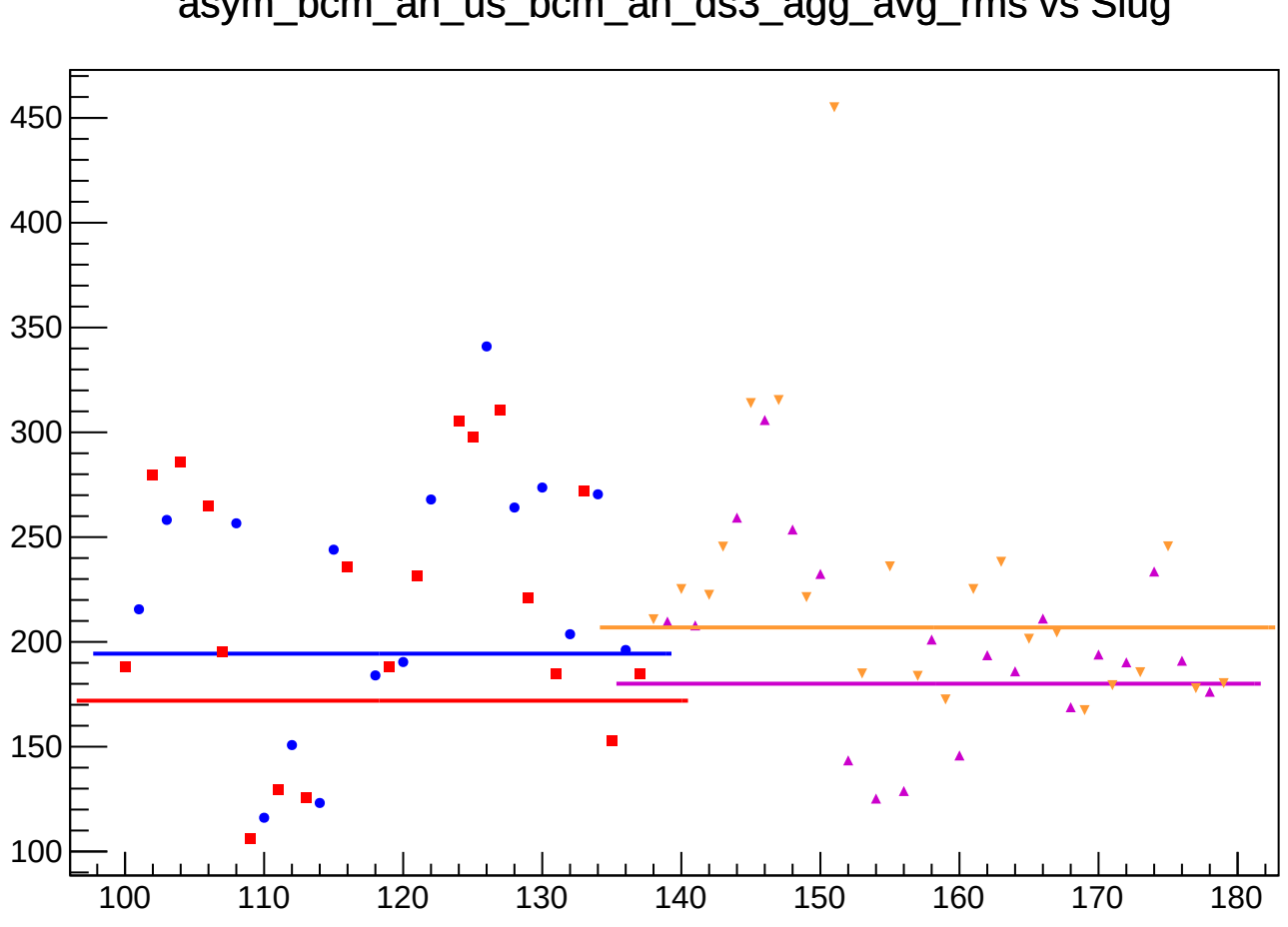
Right Out: 132.730+/-68.270 χ^2/NDF: 12.9/18

Left In: -108.004+/-46.810 χ^2/NDF:6.6/19

+ sign 80.013+/-42.520 χ^2/NDF: 26.7/37

All: 19.153+/-28.583 χ^2/NDF: 58.3/76

- sign -31.020+/-38.607 χ^2/NDF: 27.9/38



Right In: 194.385+/-0.054 χ^2/NDF: 1042024.1/15

Left Out: 206.893+/-0.036 χ^2/NDF:1358158.4/21

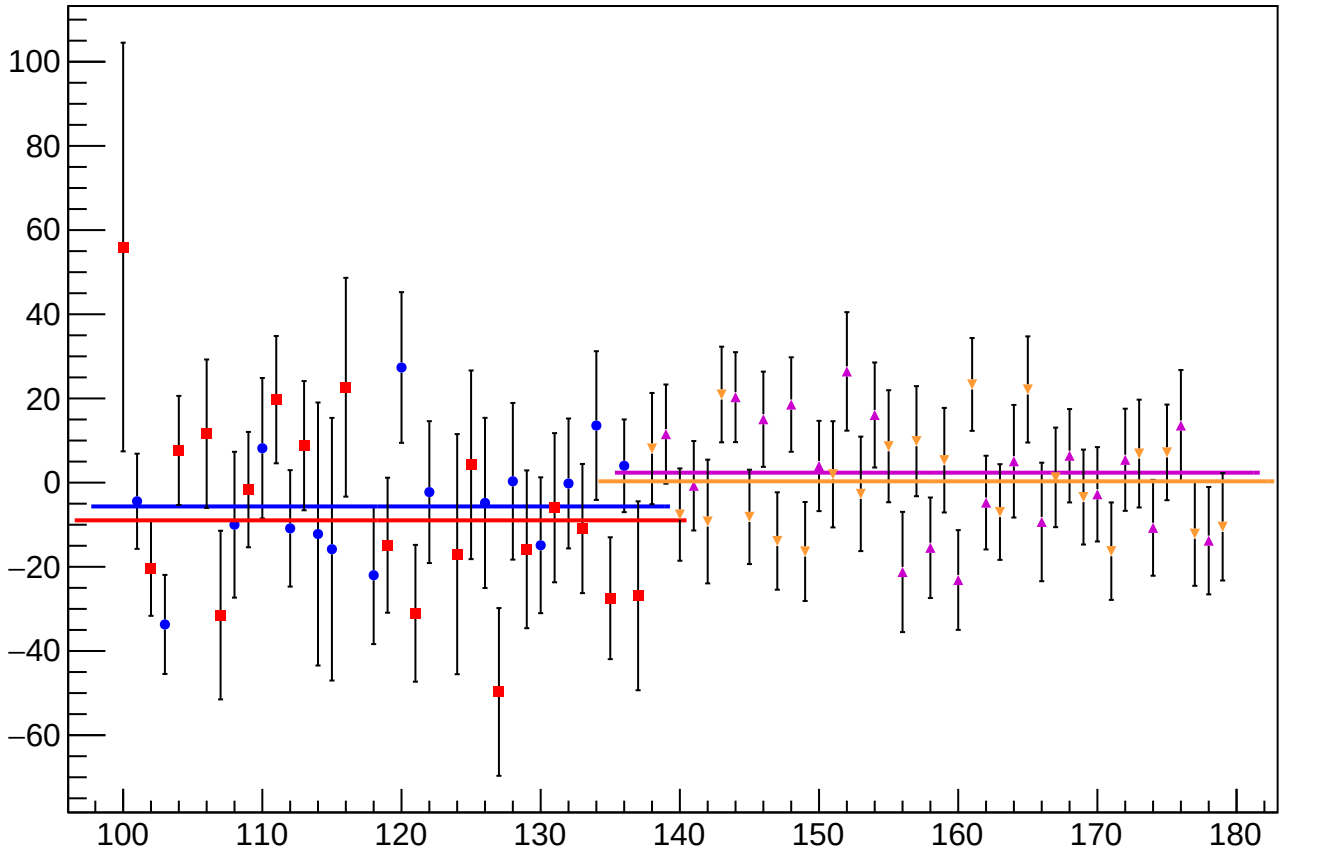
Right Out: 171.949+/-0.048 χ^2/NDF: 1651343.7/18

Left In: 180.055+/-0.033 χ^2/NDF:1636835.8/19

+ sign 203.021+/-0.030 χ^2/NDF: 2437174.0/37

All: 189.012+/-0.020 χ^2/NDF: 6140625.2/76

- sign 177.463+/-0.027 χ^2/NDF: 3307360.1/38



Right In: -5.657+/-3.939 χ^2/NDF: 13.7/15

Left Out: 0.310+/-2.582 χ^2/NDF:22.1/21

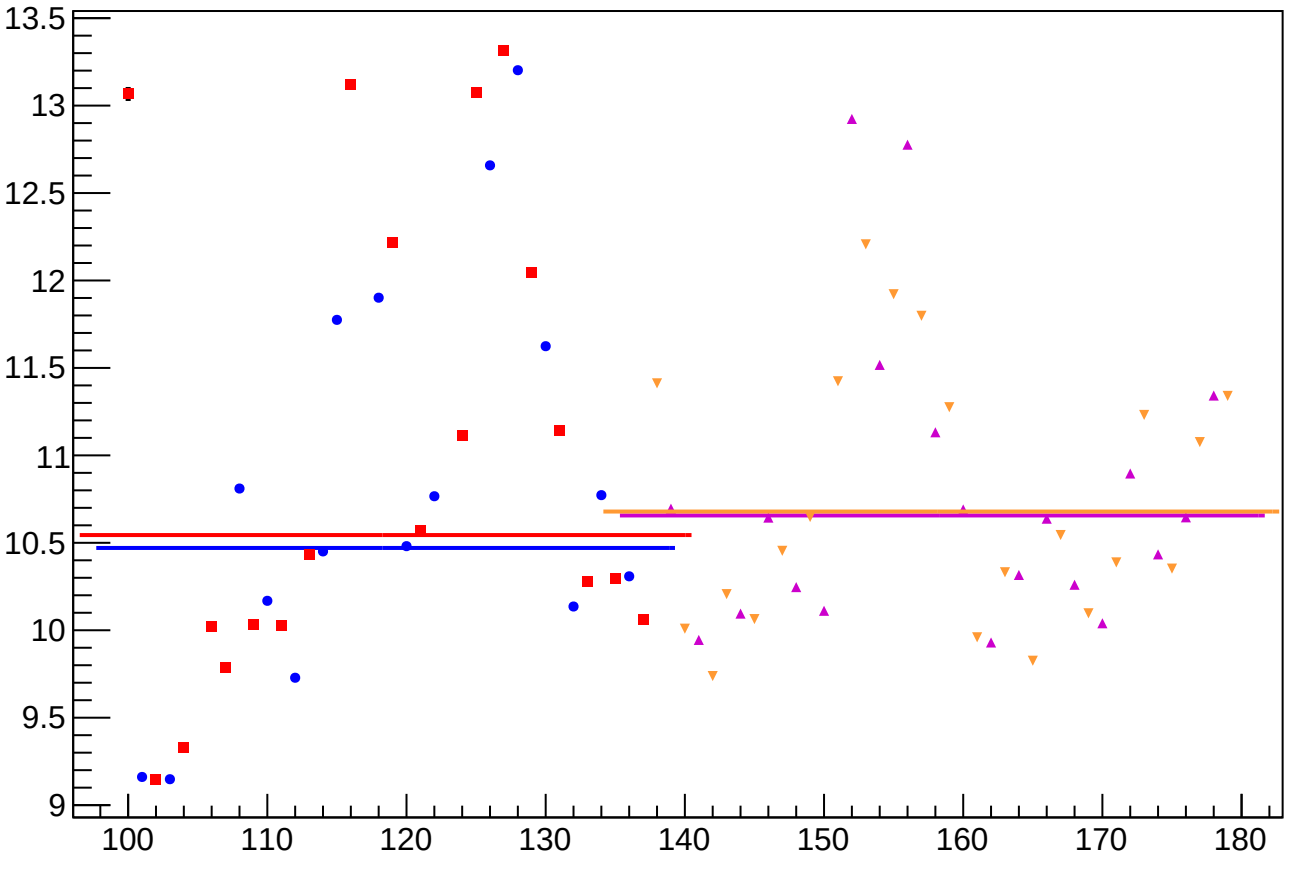
Right Out: -8.960+/-3.901 χ^2/NDF: 22.8/18

Left In: 2.363+/-2.664 χ^2/NDF:25.8/19

+ sign -1.483+/-2.160 χ^2/NDF: 37.4/37

All: -1.363+/-1.541 χ^2/NDF: 91.7/76

- sign -1.238+/-2.200 χ^2/NDF: 54.3/38



Right In: 10.471+/-0.003 χ^2/NDF: 157365.8/15

Left Out: 10.679+/-0.002 χ^2/NDF:140127.7/21

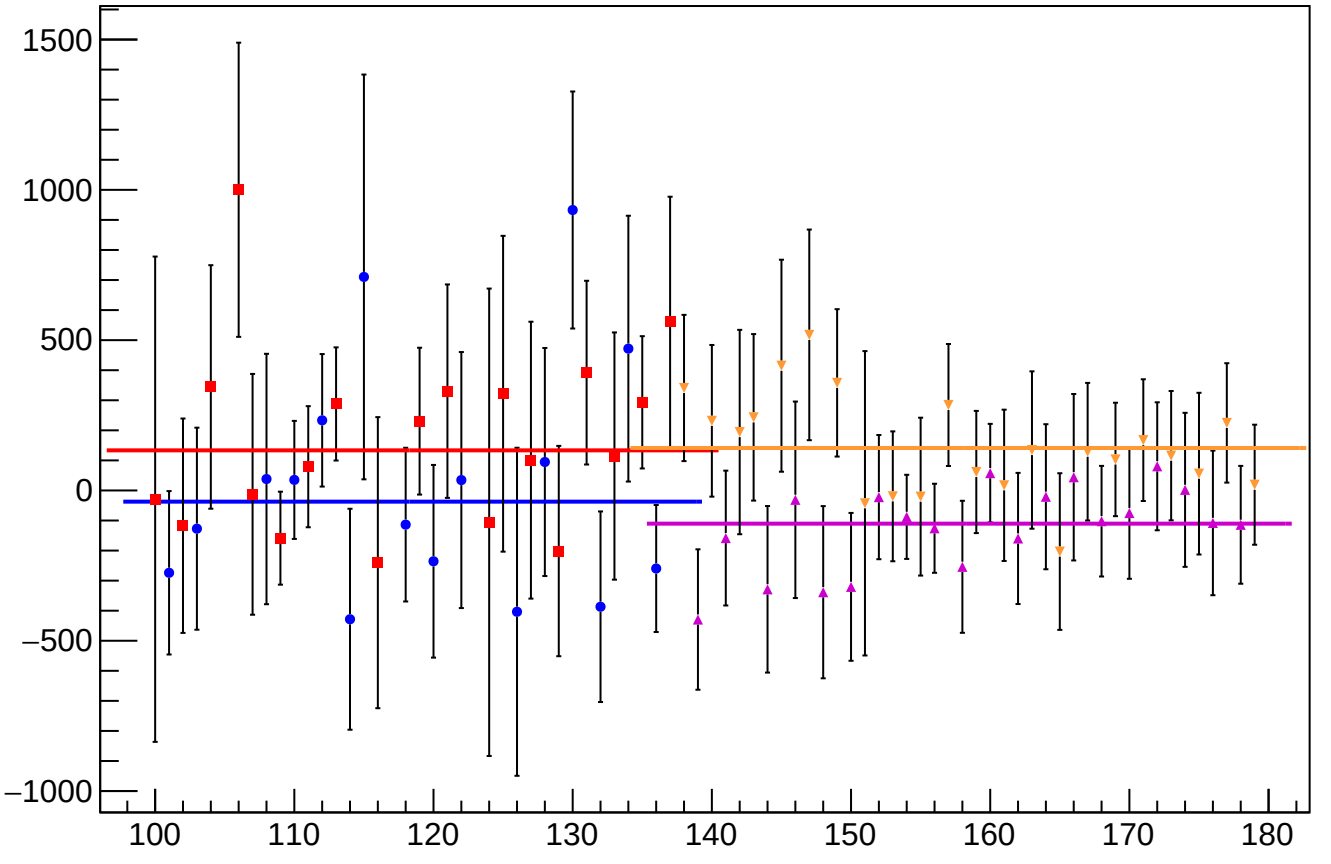
Right Out: 10.544+/-0.003 χ^2/NDF: 186780.3/18

Left In: 10.656+/-0.002 χ^2/NDF:156706.1/19

+ sign 10.616+/-0.002 χ^2/NDF: 301401.8/37

All: 10.618+/-0.001 χ^2/NDF: 646018.6/76

- sign 10.621+/-0.002 χ^2/NDF: 344612.4/38



Right In: -37.241+/-76.915 χ^2/NDF: 15.6/15

Left Out: 141.275+/-51.433 χ^2/NDF:7.9/21

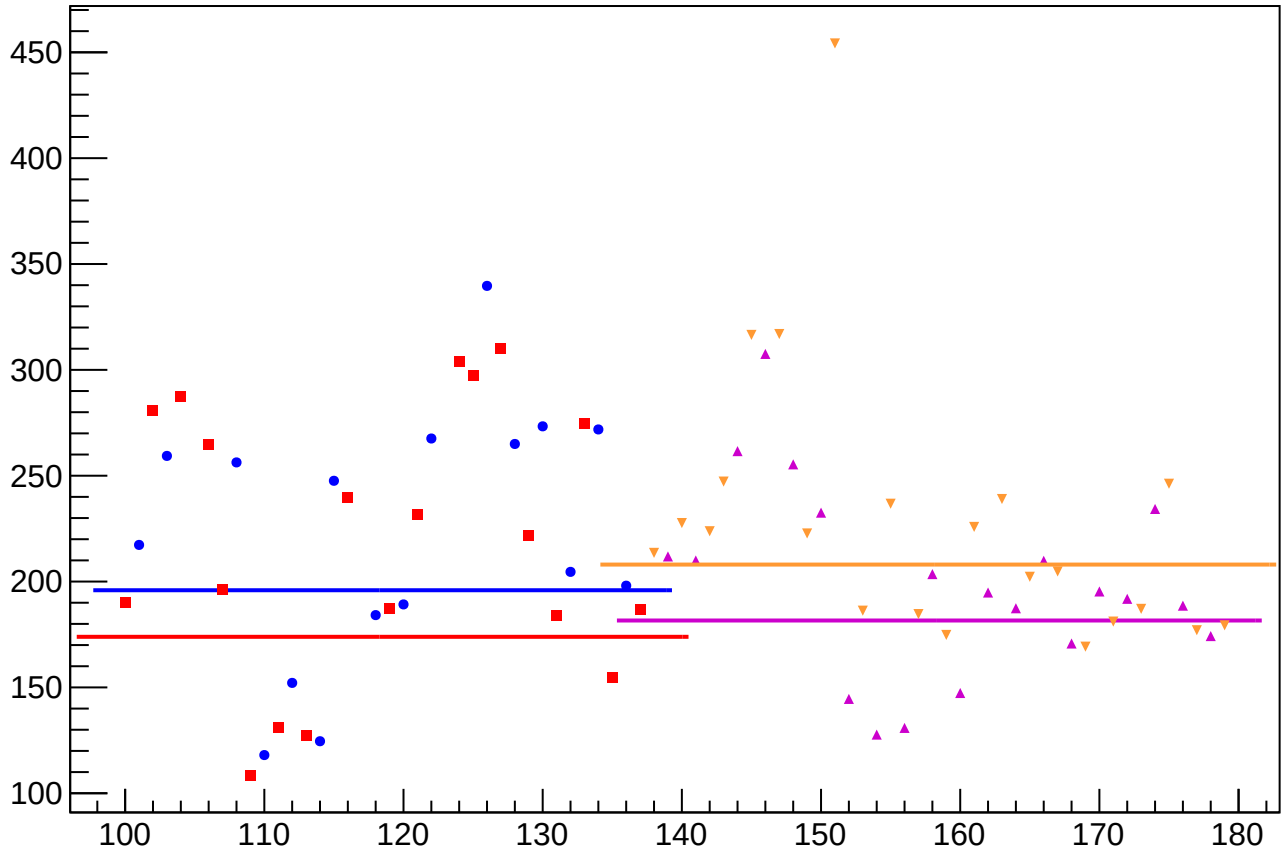
Right Out: 133.386+/-68.885 χ^2/NDF: 12.9/18

Left In: -110.432+/-47.161 χ^2/NDF:7.2/19

+ sign 86.114+/-42.755 χ^2/NDF: 27.3/37

All: 21.175+/-28.779 χ^2/NDF: 60.1/76

- sign -32.622+/-38.915 χ^2/NDF: 28.6/38



Right In: 195.900+/-0.054 χ^2/NDF: 1011012.3/15

Left Out: 208.026+/-0.036 χ^2/NDF:1353038.9/21

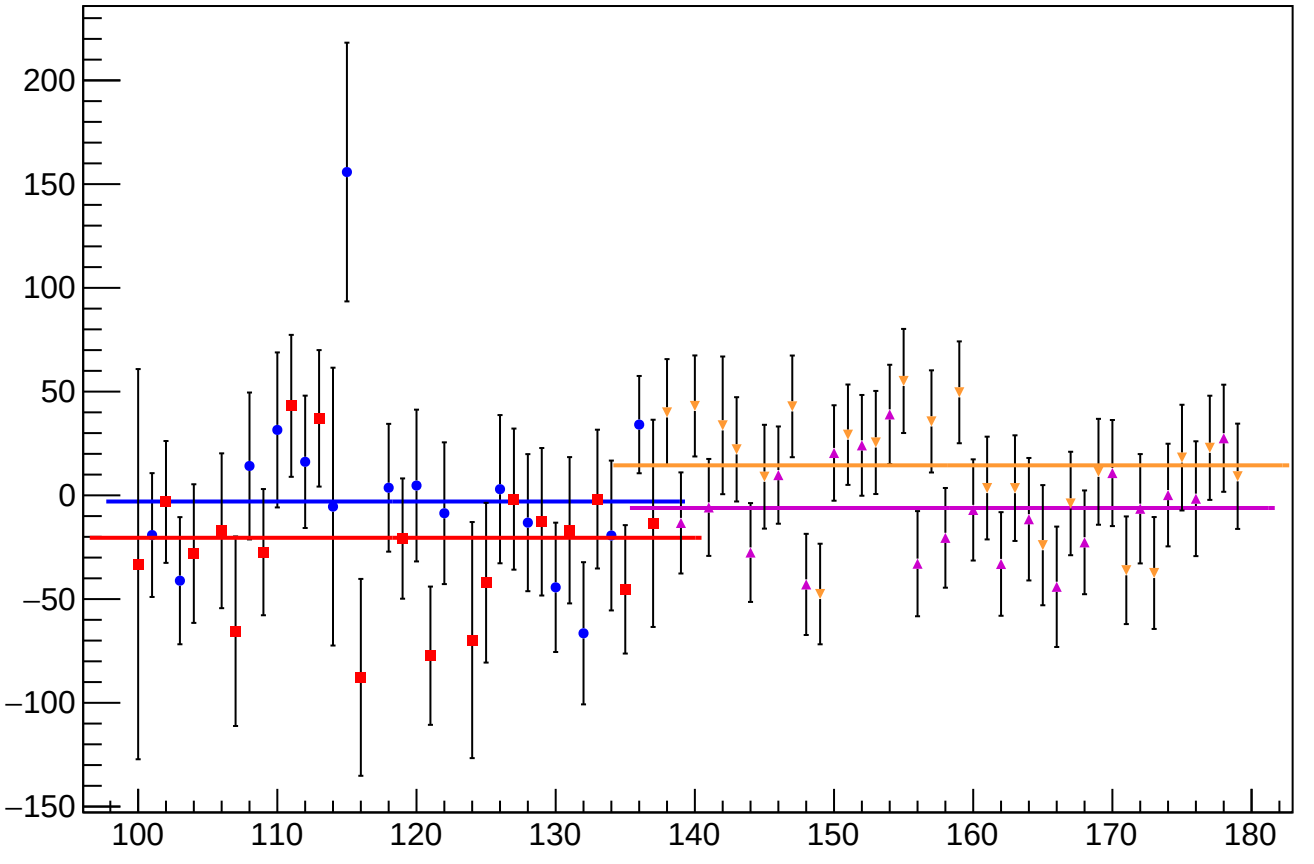
Right Out: 173.901+/-0.049 χ^2/NDF: 1599608.1/18

Left In: 181.606+/-0.033 χ^2/NDF:1588250.9/19

+ sign 204.279+/-0.030 χ^2/NDF: 2398404.0/37

All: 190.534+/-0.020 χ^2/NDF: 5981240.1/76

- sign 179.147+/-0.028 χ^2/NDF: 3204895.3/38



Right In: -2.967+/-8.454 χ^2/NDF: 17.9/15

Left Out: 14.466+/-5.428 χ^2/NDF:27.1/21

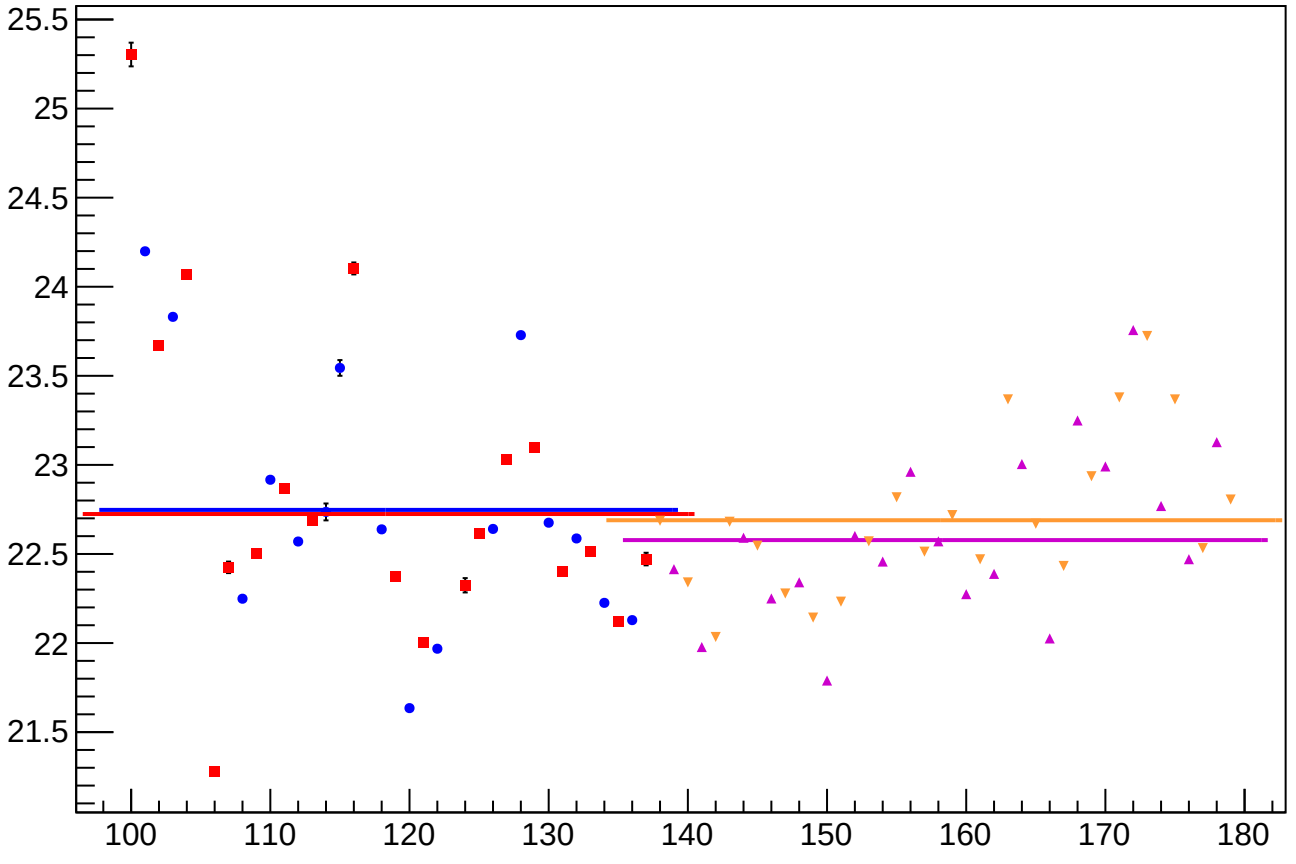
Right Out: -20.457+/-8.292 χ^2/NDF: 15.3/18

Left In: -6.098+/-5.587 χ^2/NDF:17.1/19

+ sign 9.377+/-4.568 χ^2/NDF: 48.1/37

All: -0.460+/-3.253 χ^2/NDF: 91.9/76

- sign -10.582+/-4.634 χ^2/NDF: 34.5/38



Right In: 22.747+/-0.006 χ^2/NDF: 14622.8/15

Left Out: 22.689+/-0.004 χ^2/NDF:11621.8/21

Right Out: 22.724+/-0.006 χ^2/NDF: 14490.6/18

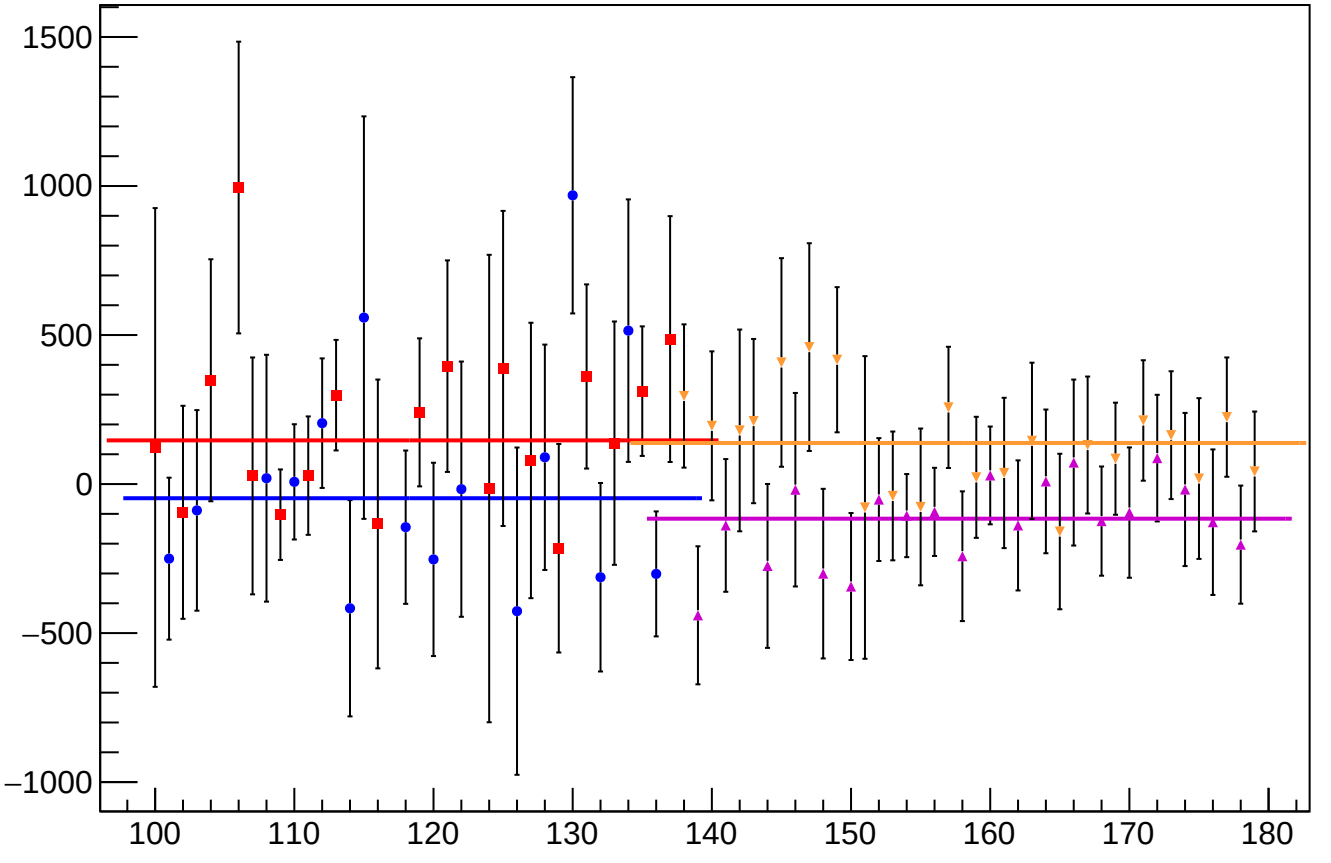
Left In: 22.578+/-0.004 χ^2/NDF:13440.5/19

+ sign 22.706+/-0.003 χ^2/NDF: 26311.6/37

All: 22.666+/-0.002 χ^2/NDF: 54994.1/76

- sign 22.624+/-0.003 χ^2/NDF: 28359.5/38

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug



Right In: -47.523+/-76.571 χ^2/NDF: 15.4/15

Left Out: 137.871+/-51.396 χ^2/NDF:7.8/21

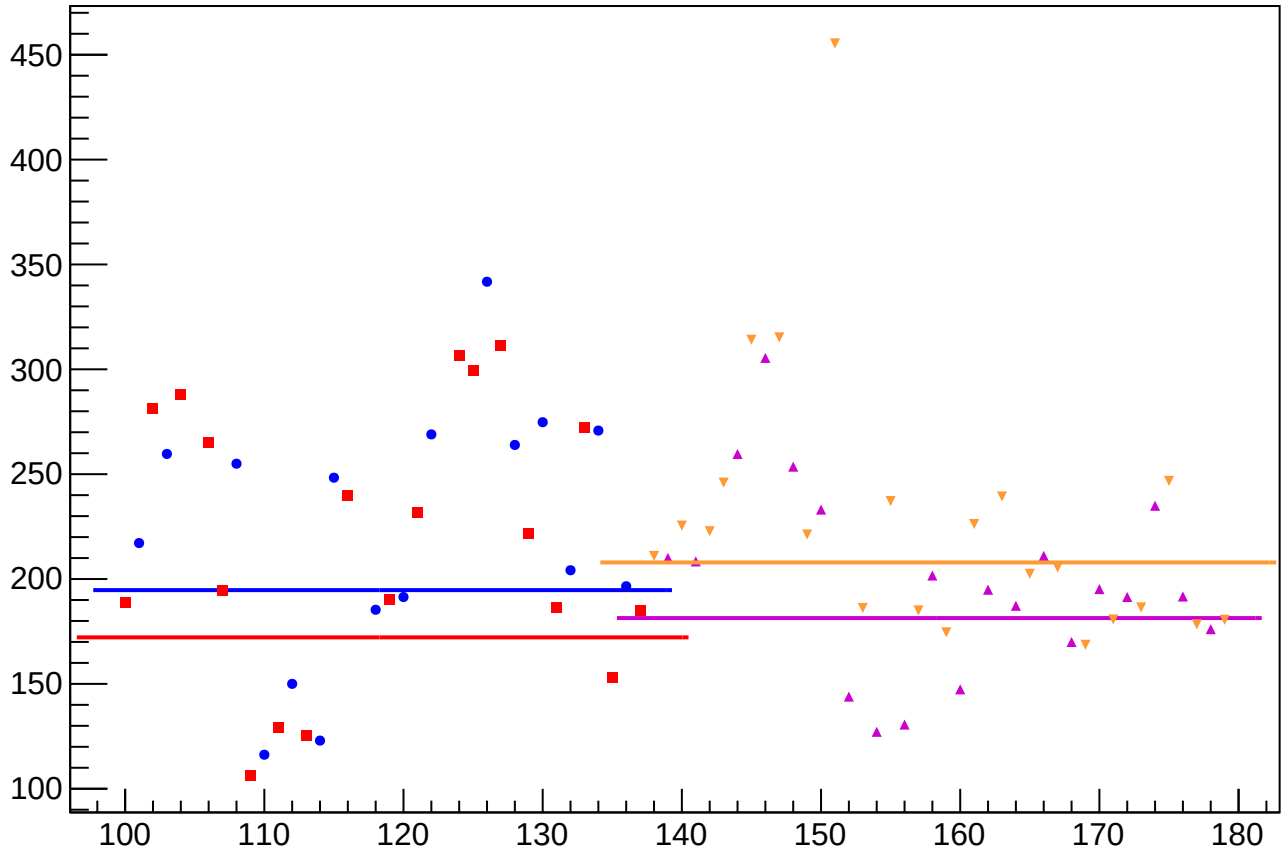
Right Out: 146.573+/-68.398 χ^2/NDF: 11.6/18

Left In: -116.193+/-47.106 χ^2/NDF:6.9/19

+ sign 80.287+/-42.674 χ^2/NDF: 27.3/37

All: 18.998+/-28.706 χ^2/NDF: 59.5/76

- sign -31.656+/-38.796 χ^2/NDF: 28.5/38



Right In: 194.708+/-0.054 χ^2/NDF: 1052288.9/15

Left Out: 207.902+/-0.036 χ^2/NDF:1337311.9/21

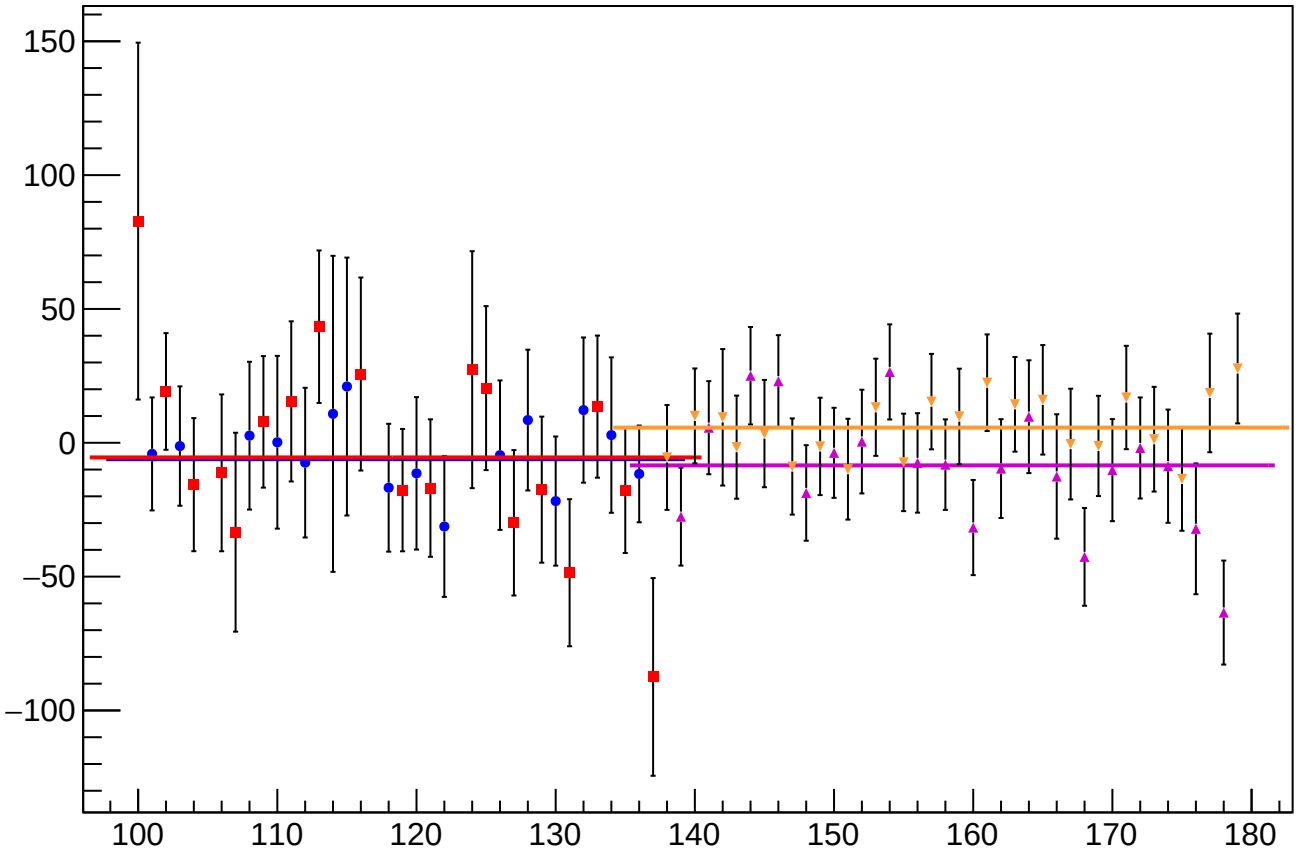
Right Out: 172.186+/-0.048 χ^2/NDF: 1671068.3/18

Left In: 181.382+/-0.033 χ^2/NDF:1582248.5/19

+ sign 203.804+/-0.030 χ^2/NDF: 2430539.0/37

All: 189.908+/-0.020 χ^2/NDF: 6095710.9/76

- sign 178.423+/-0.027 χ^2/NDF: 3277837.0/38



Right In: -6.119+/-6.592 χ^2/NDF: 3.1/15

Left Out: 5.669+/-4.083 χ^2/NDF:7.5/21

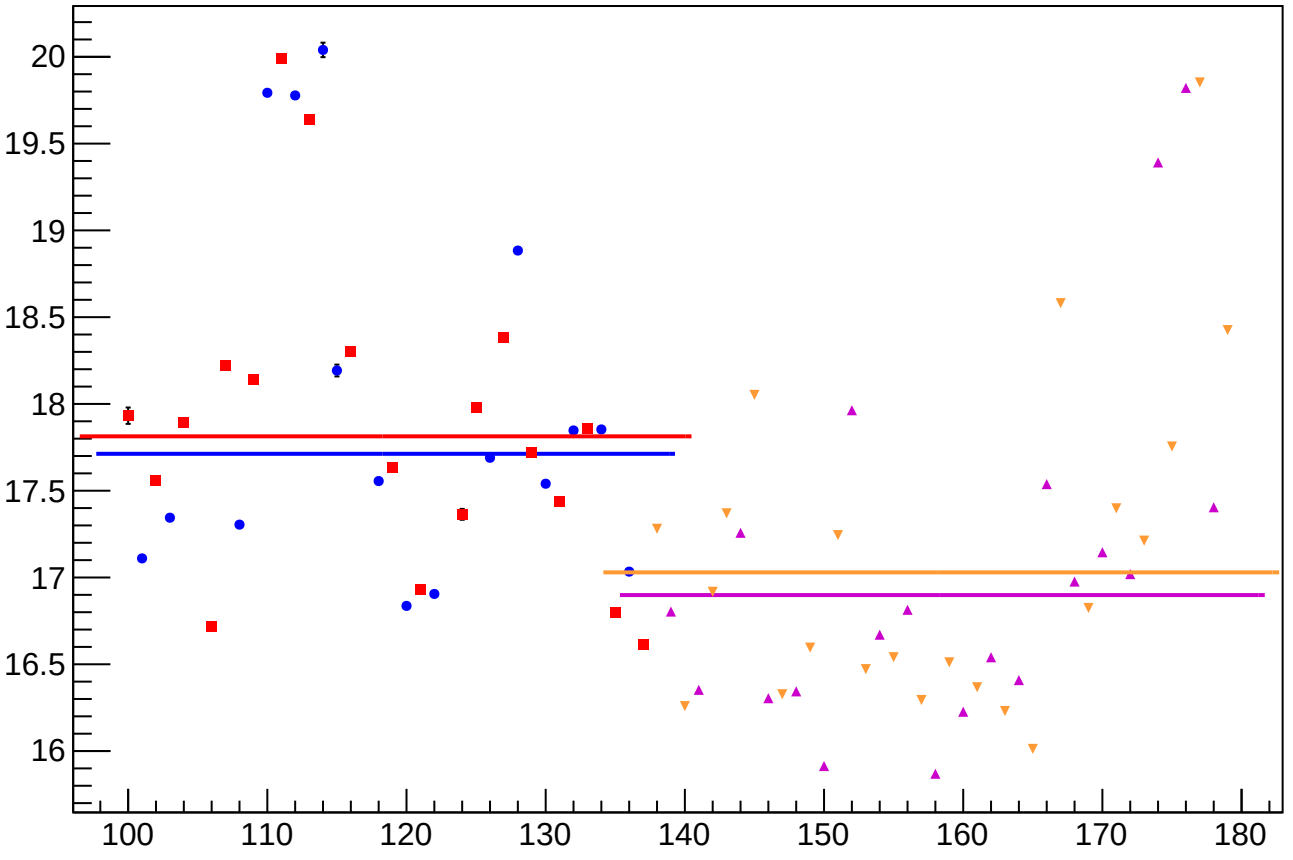
Right Out: -5.470+/-6.509 χ^2/NDF: 19.2/18

Left In: -8.446+/-4.192 χ^2/NDF:28.0/19

+ sign 2.401+/-3.471 χ^2/NDF: 13.0/37

All: -2.510+/-2.473 χ^2/NDF: 64.4/76

- sign -7.573+/-3.524 χ^2/NDF: 47.4/38



Right In: 17.713+/-0.005 χ^2/NDF: 35983.5/15

Left Out: 17.029+/-0.003 χ^2/NDF:91480.9/21

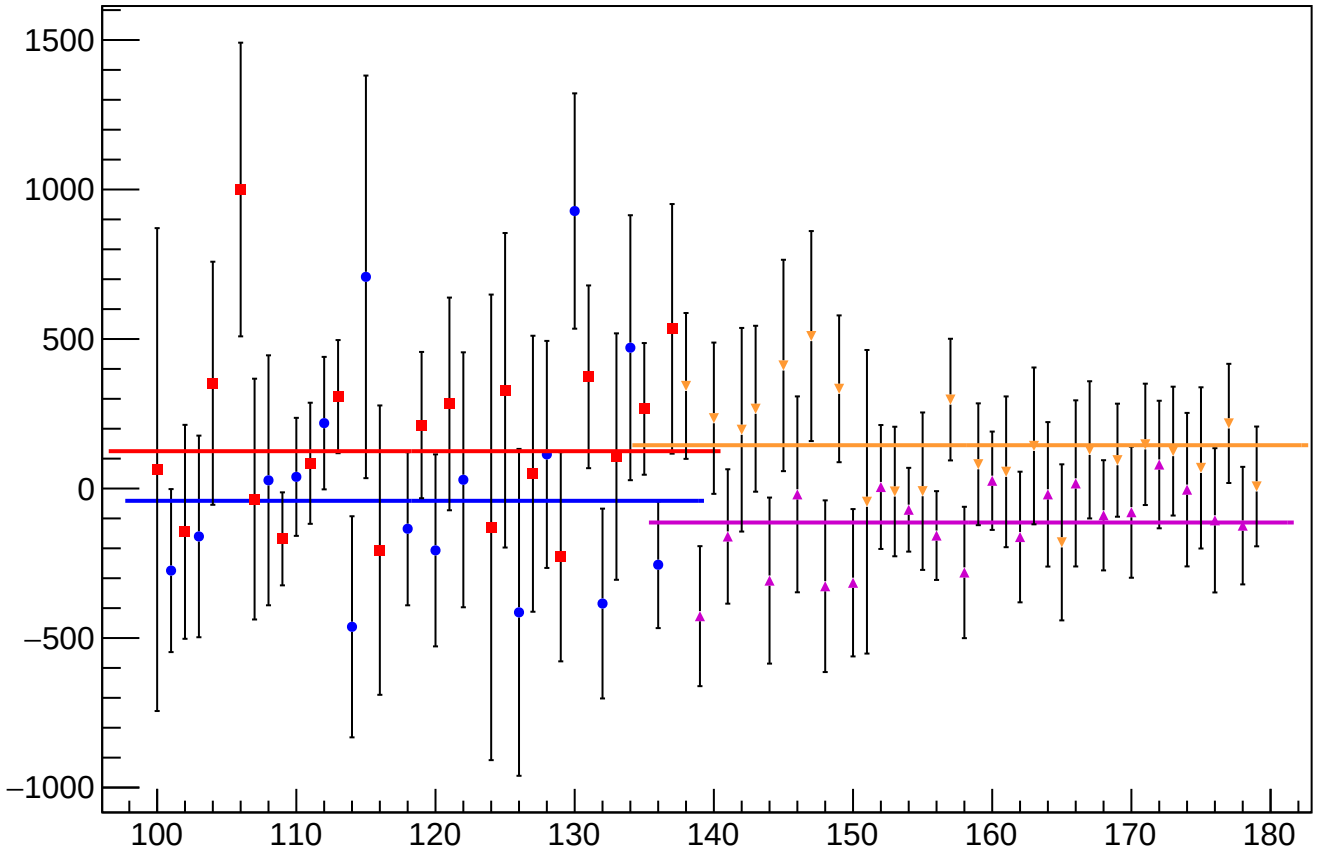
Right Out: 17.813+/-0.005 χ^2/NDF: 32713.6/18

Left In: 16.899+/-0.003 χ^2/NDF:92225.0/19

\+ sign 17.219+/-0.002 χ^2/NDF: 142989.5/37

All: 17.193+/-0.002 χ^2/NDF: 296057.6/76

\- sign 17.167+/-0.002 χ^2/NDF: 152847.0/38



Right In: -41.114+/-77.139 χ^2/NDF: 15.6/15

Left Out: 144.848+/-51.551 χ^2/NDF:7.3/21

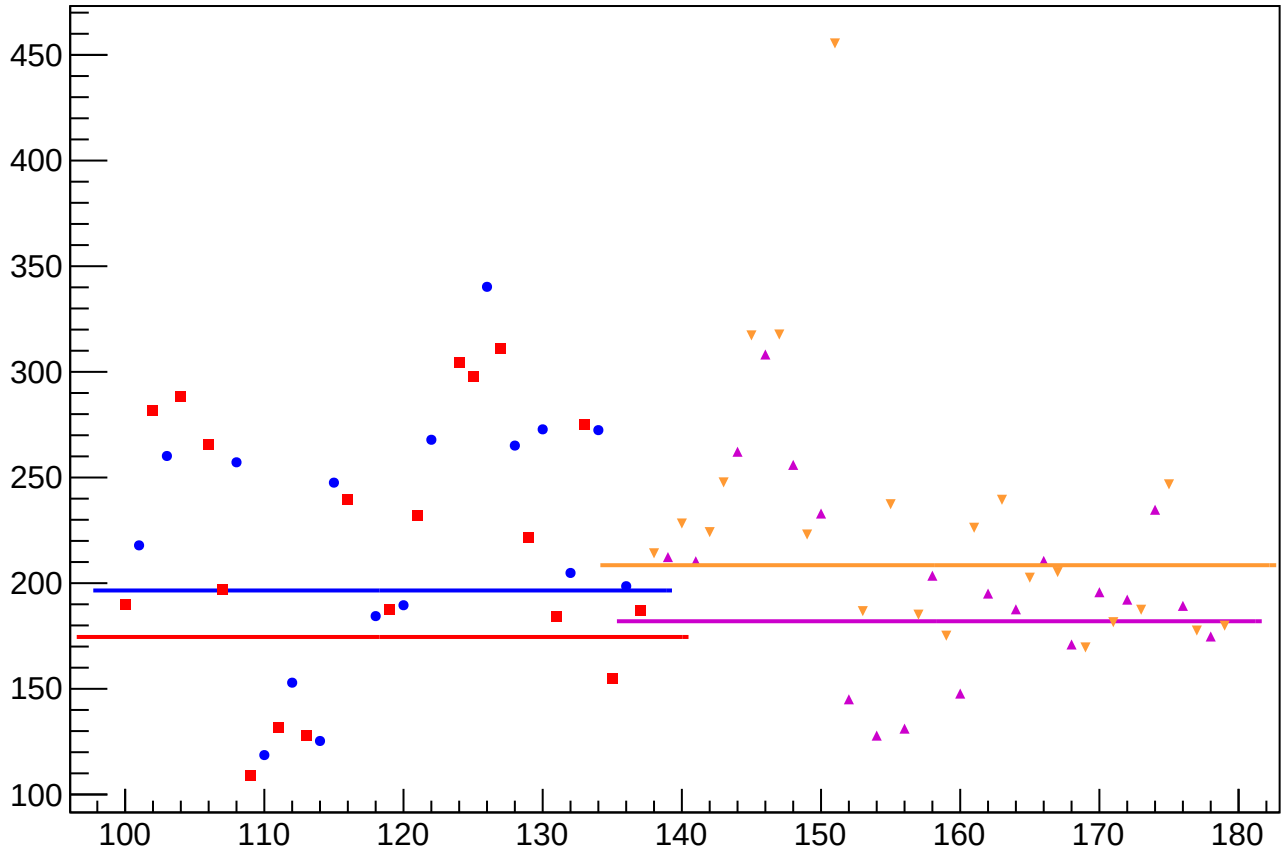
Right Out: 124.872+/-69.109 χ^2/NDF: 12.9/18

Left In: -113.669+/-47.258 χ^2/NDF:6.9/19

+ sign 87.436+/-42.861 χ^2/NDF: 27.0/37

All: 19.013+/-28.850 χ^2/NDF: 59.5/76

- sign -37.664+/-39.009 χ^2/NDF: 27.9/38



Right In: 196.542+/-0.055 χ^2/NDF: 1000770.4/15

Left Out: 208.505+/-0.036 χ^2/NDF:1352212.1/21

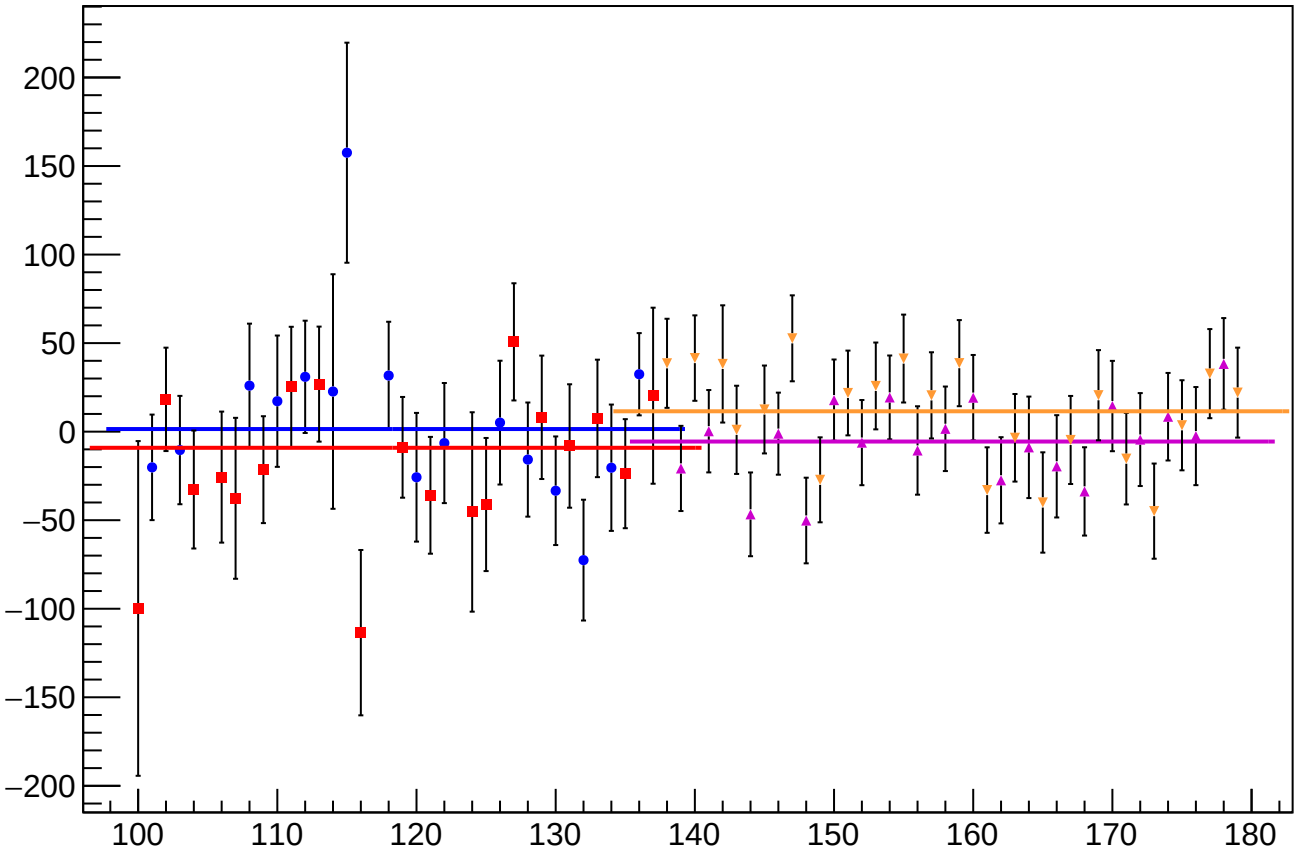
Right Out: 174.540+/-0.049 χ^2/NDF: 1588725.2/18

Left In: 181.980+/-0.033 χ^2/NDF:1588259.1/19

+ sign 204.812+/-0.030 χ^2/NDF: 2386233.7/37

All: 191.028+/-0.020 χ^2/NDF: 5957213.3/76

- sign 179.610+/-0.028 χ^2/NDF: 3192779.9/38



Right In: 1.475+/-8.370 χ^2/NDF: 18.7/15

Left Out: 11.505+/-5.376 χ^2/NDF:26.5/21

Right Out: -9.113+/-8.198 χ^2/NDF: 16.5/18

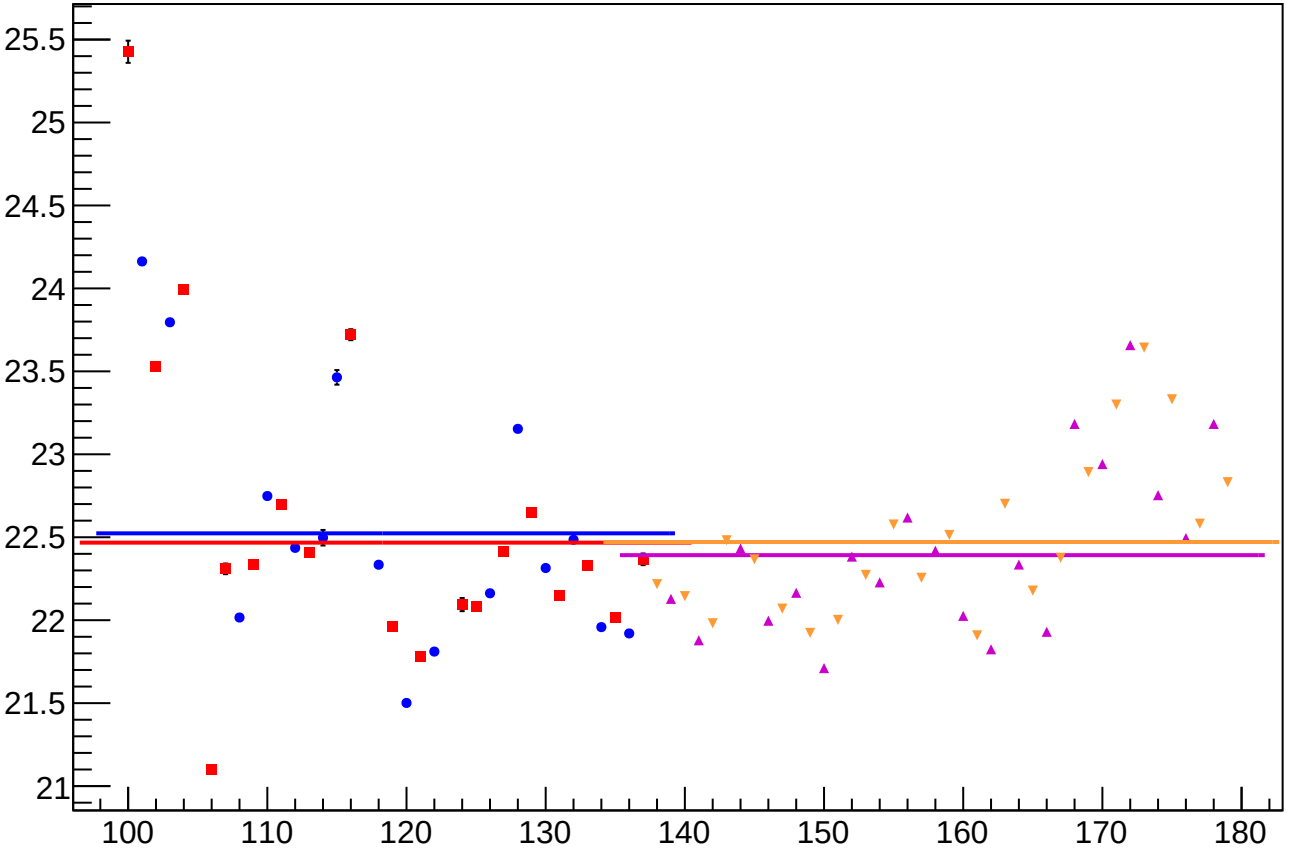
Left In: -5.583+/-5.541 χ^2/NDF:16.4/19

+ sign 8.576+/-4.523 χ^2/NDF: 46.1/37

All: 1.056+/-3.222 χ^2/NDF: 84.7/76

- sign -6.690+/-4.591 χ^2/NDF: 33.0/38

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug



Right In: 22.524+/-0.006 χ^2/NDF: 15947.8/15

Left Out: 22.471+/-0.004 χ^2/NDF:14370.0/21

Right Out: 22.468+/-0.006 χ^2/NDF: 15626.5/18

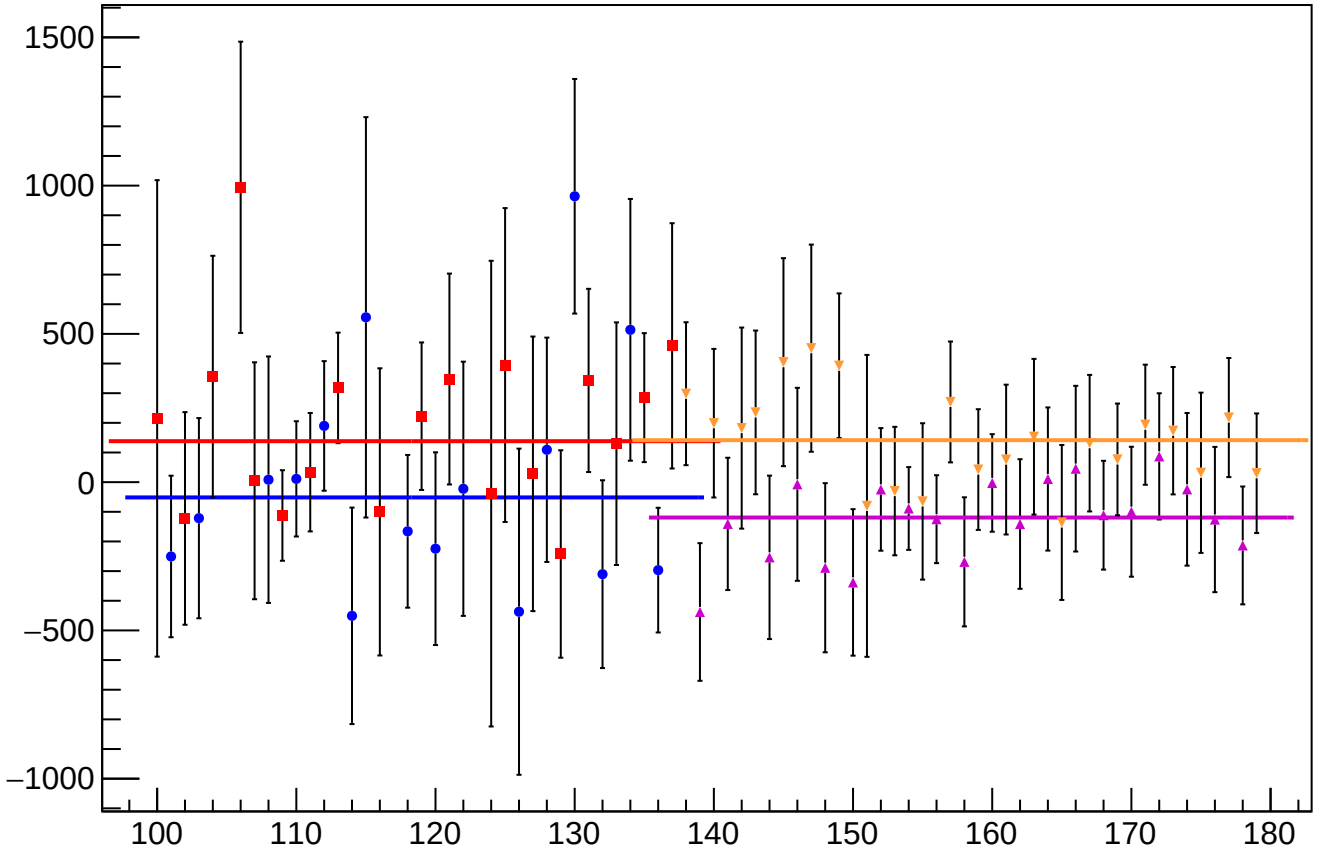
Left In: 22.392+/-0.004 χ^2/NDF:15991.4/19

+ sign 22.487+/-0.003 χ^2/NDF: 30373.0/37

All: 22.452+/-0.002 χ^2/NDF: 62348.4/76

- sign 22.416+/-0.003 χ^2/NDF: 31734.1/38

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs Slug



Right In: -51.492+/-76.798 χ^2/NDF: 15.3/15

Left Out: 141.537+/-51.514 χ^2/NDF:7.1/21

Right Out: 138.184+/-68.625 χ^2/NDF: 11.6/18

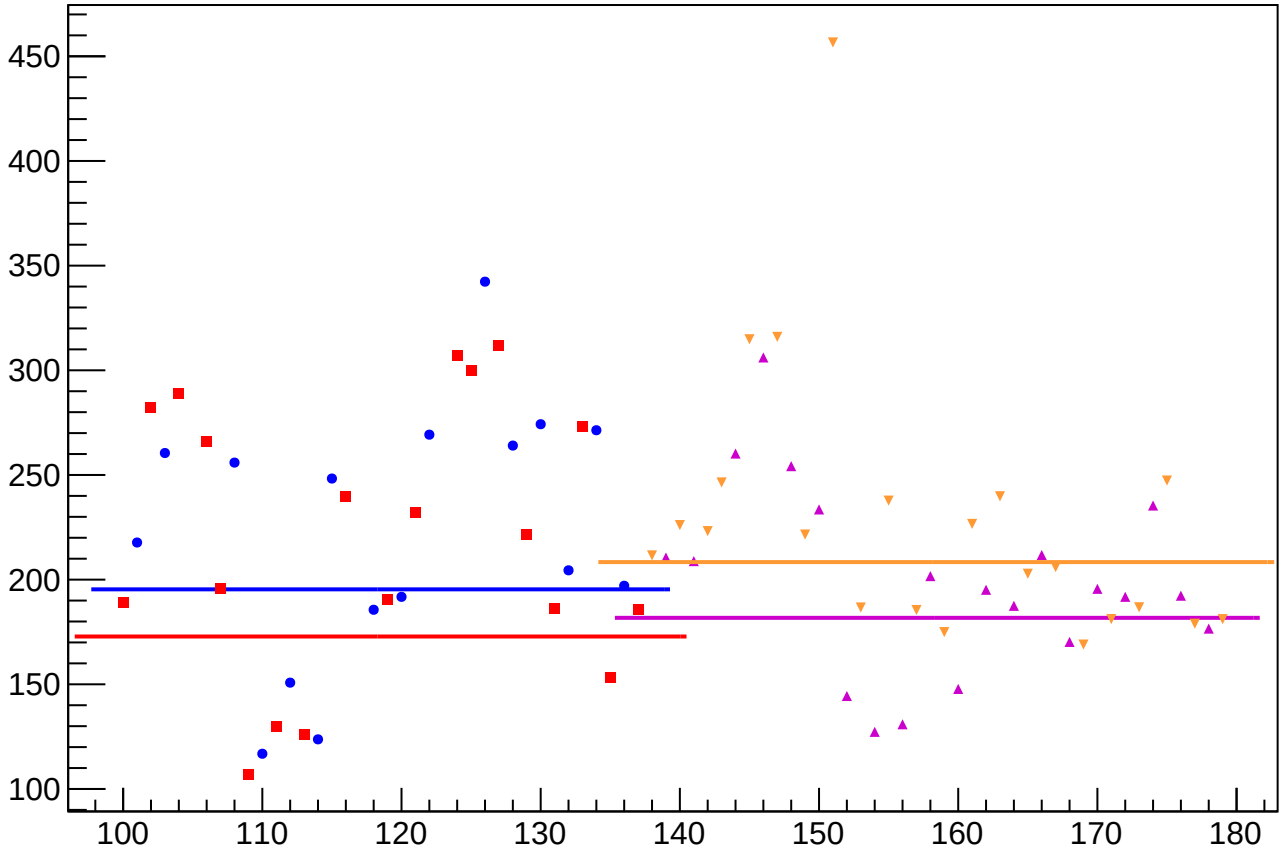
Left In: -119.348+/-47.203 χ^2/NDF:6.6/19

+ sign 81.637+/-42.781 χ^2/NDF: 26.8/37

All: 16.879+/-28.777 χ^2/NDF: 58.7/76

- sign -36.636+/-38.891 χ^2/NDF: 27.7/38

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug



Right In: 195.361+/-0.054 χ^2/NDF: 1041432.1/15

Left Out: 208.381+/-0.036 χ^2/NDF:1336536.7/21

Right Out: 172.837+/-0.049 χ^2/NDF: 1659430.2/18

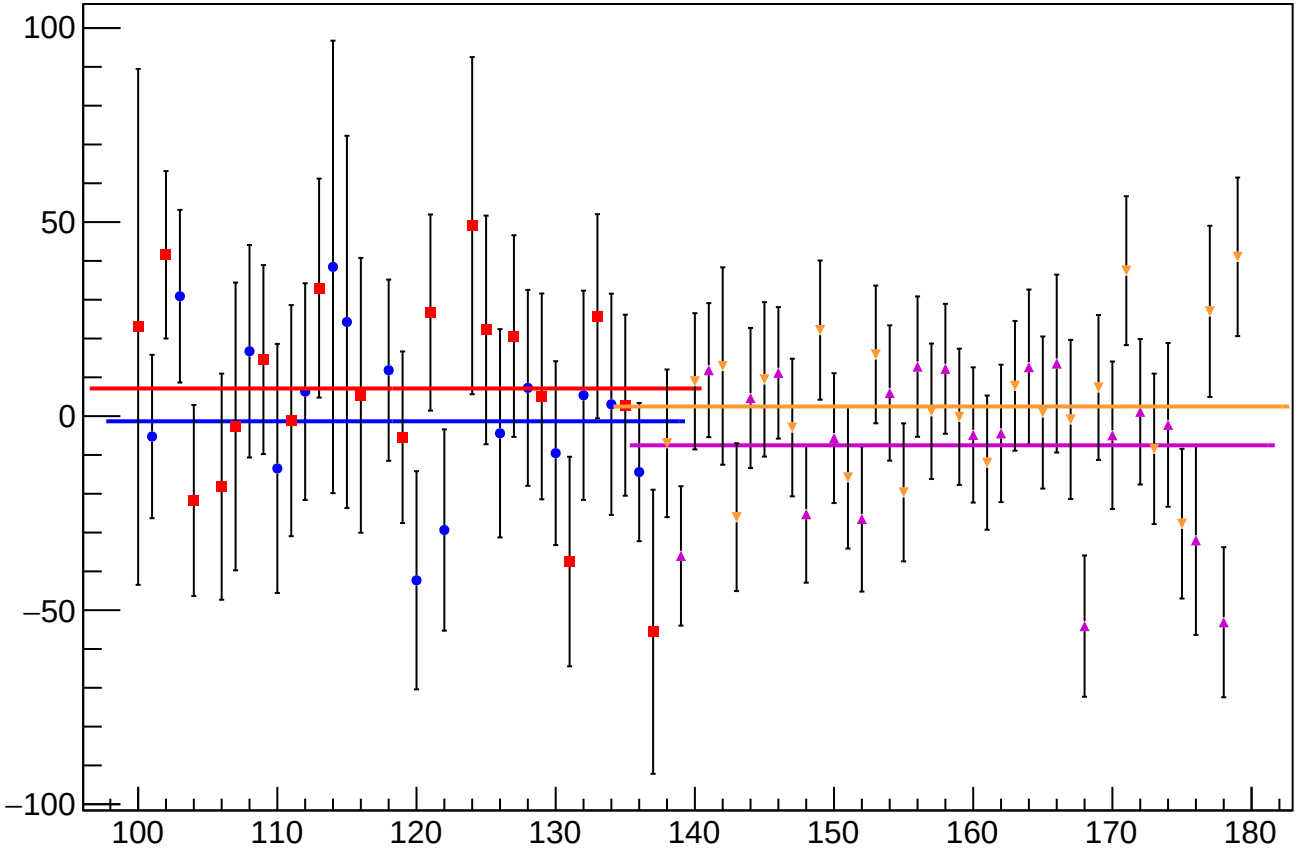
Left In: 181.753+/-0.033 χ^2/NDF:1582483.6/19

+ sign 204.341+/-0.030 χ^2/NDF: 2417615.5/37

All: 190.405+/-0.020 χ^2/NDF: 6070018.8/76

- sign 178.889+/-0.028 χ^2/NDF: 3264829.5/38

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug



Right In: -1.331+/-6.499 χ^2/NDF: 8.0/15

Left Out: 2.486+/-4.008 χ^2/NDF:19.2/21

Right Out: 7.126+/-6.402 χ^2/NDF: 14.4/18

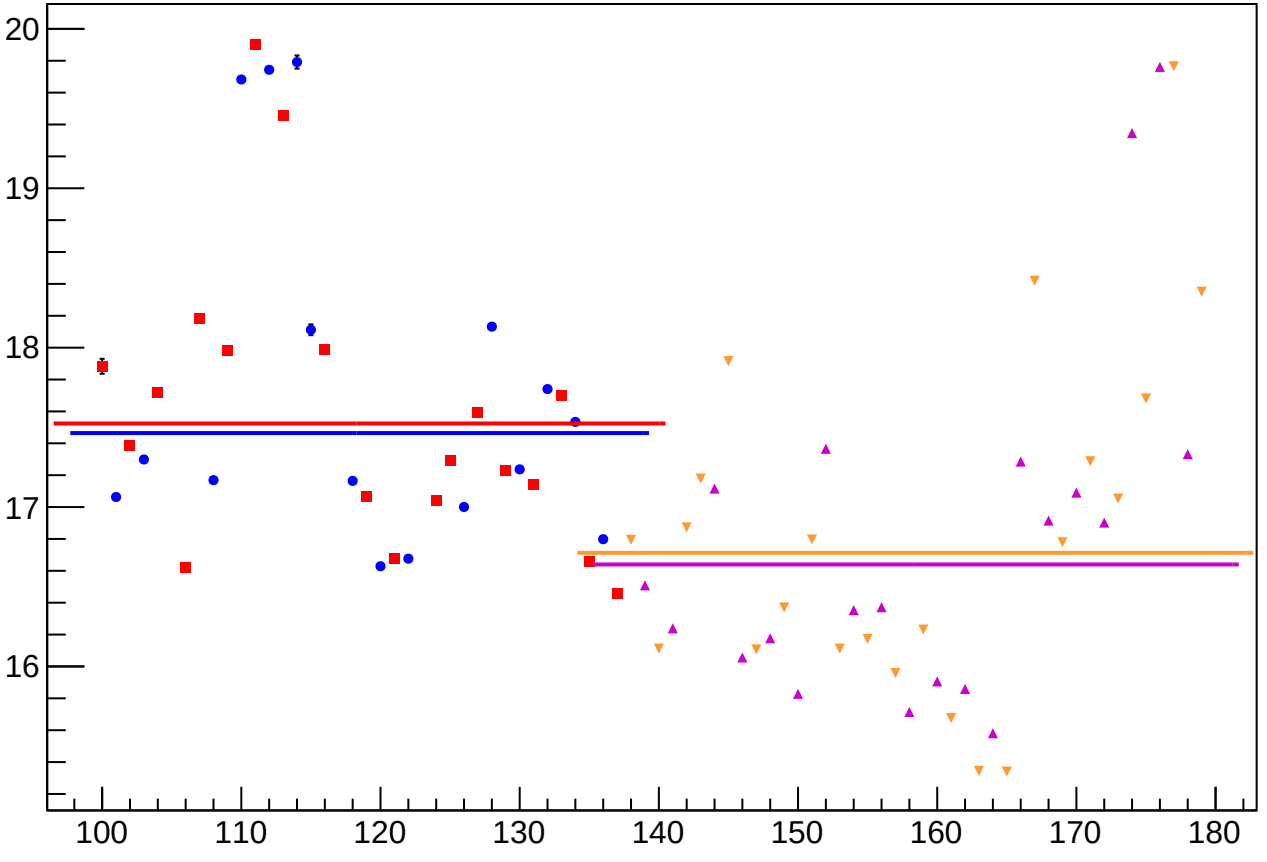
Left In: -7.516+/-4.128 χ^2/NDF:26.1/19

\+ sign 1.434+/-3.411 χ^2/NDF: 27.4/37

All: -0.851+/-2.432 χ^2/NDF: 72.5/76

\- sign -3.216+/-3.469 χ^2/NDF: 44.2/38

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug



Right In: 17.464+/-0.005 χ^2/NDF: 36650.1/15

Left Out: 16.713+/-0.003 χ^2/NDF:126348.8/21

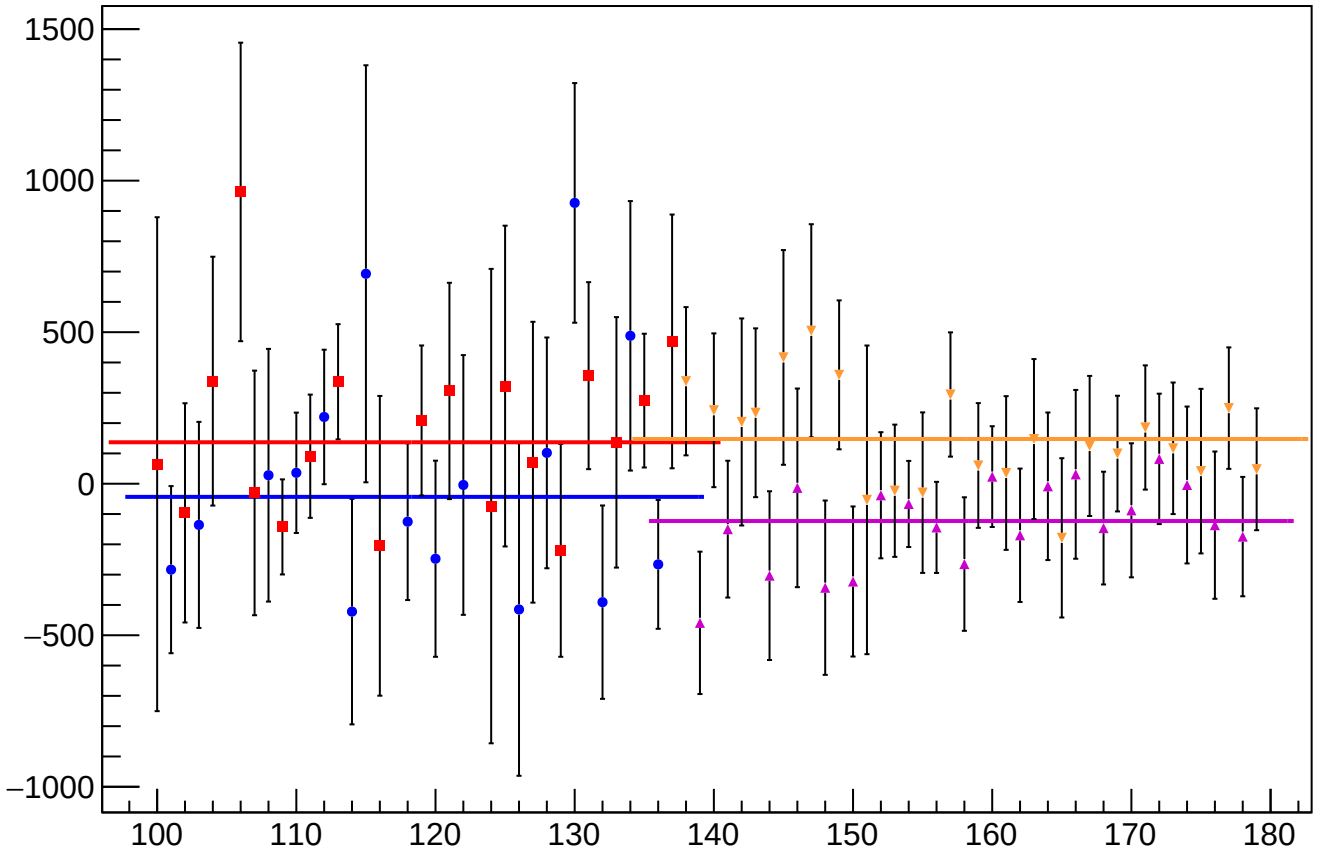
Right Out: 17.524+/-0.005 χ^2/NDF: 34726.0/18

Left In: 16.640+/-0.003 χ^2/NDF:106070.4/19

+ sign 16.920+/-0.002 χ^2/NDF: 182353.1/37

All: 16.910+/-0.002 χ^2/NDF: 350154.6/76

- sign 16.900+/-0.002 χ^2/NDF: 167765.9/38



Right In: -43.384+/-77.584 χ^2/NDF: 15.5/15

Left Out: 147.560+/-51.874 χ^2/NDF:7.7/21

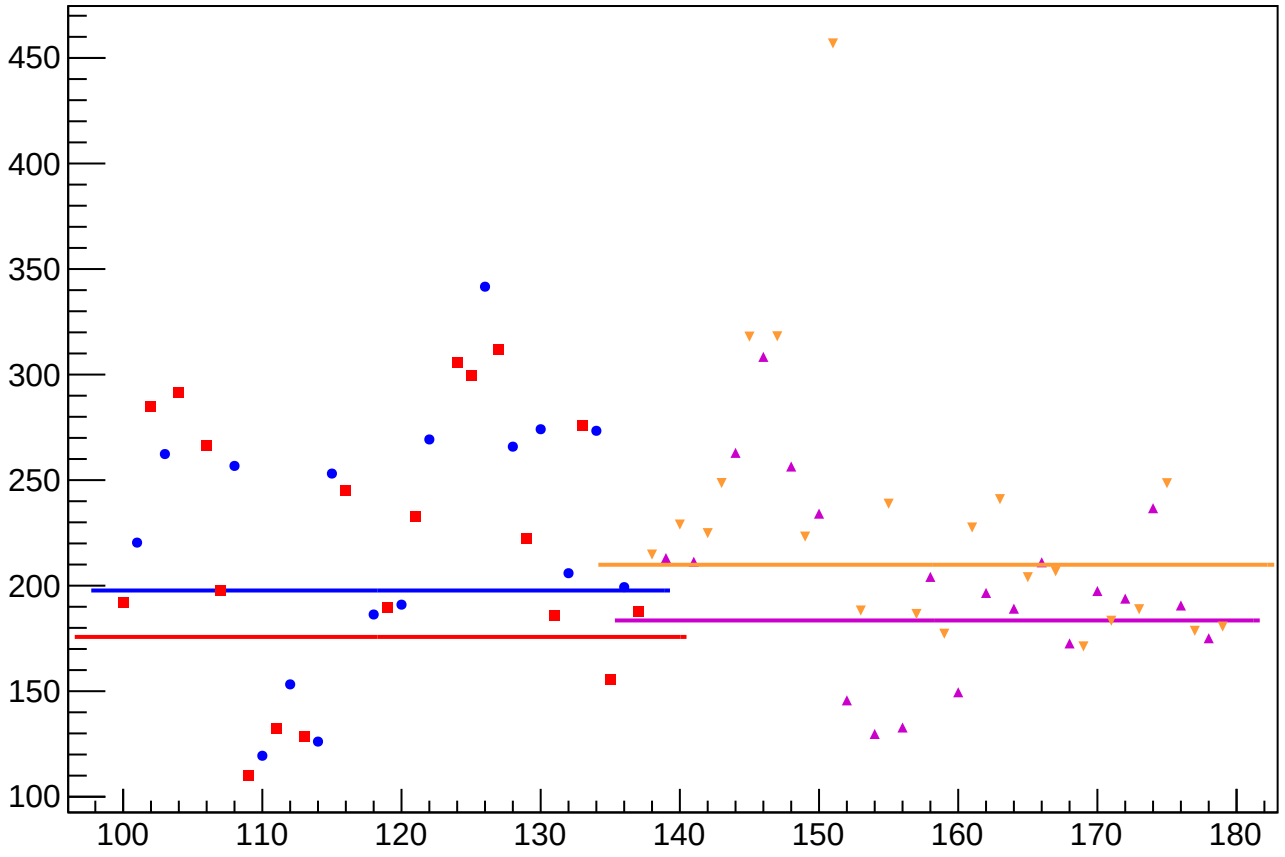
Right Out: 136.778+/-69.557 χ^2/NDF: 11.5/18

Left In: -123.077+/-47.618 χ^2/NDF:7.2/19

+ sign 88.570+/-43.123 χ^2/NDF: 27.3/37

All: 18.239+/-29.044 χ^2/NDF: 60.4/76

- sign -40.153+/-39.293 χ^2/NDF: 28.2/38



Right In: 197.707+/-0.055 χ^2/NDF: 1000324.6/15

Left Out: 209.906+/-0.037 χ^2/NDF:1331292.4/21

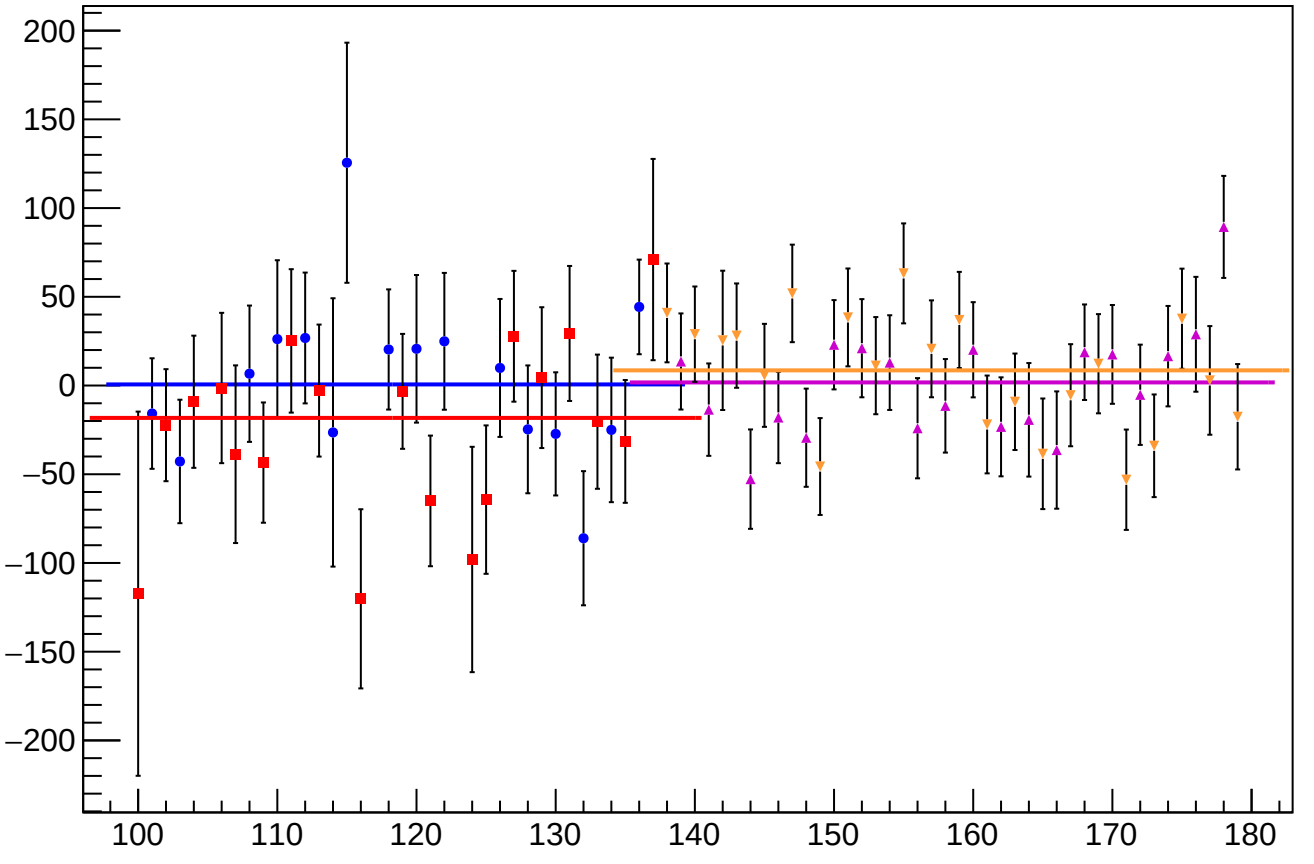
Right Out: 175.716+/-0.049 χ^2/NDF: 1590559.8/18

Left In: 183.516+/-0.034 χ^2/NDF:1545520.3/19

+ sign 206.137+/-0.030 χ^2/NDF: 2365786.0/37

All: 192.417+/-0.021 χ^2/NDF: 5889521.4/76

- sign 181.027+/-0.028 χ^2/NDF: 3153204.9/38



Right In: 0.619+/-9.421 χ^2/NDF: 16.7/15

Left Out: 8.545+/-6.082 χ^2/NDF:28.2/21

Right Out: -18.248+/-9.208 χ^2/NDF: 18.0/18

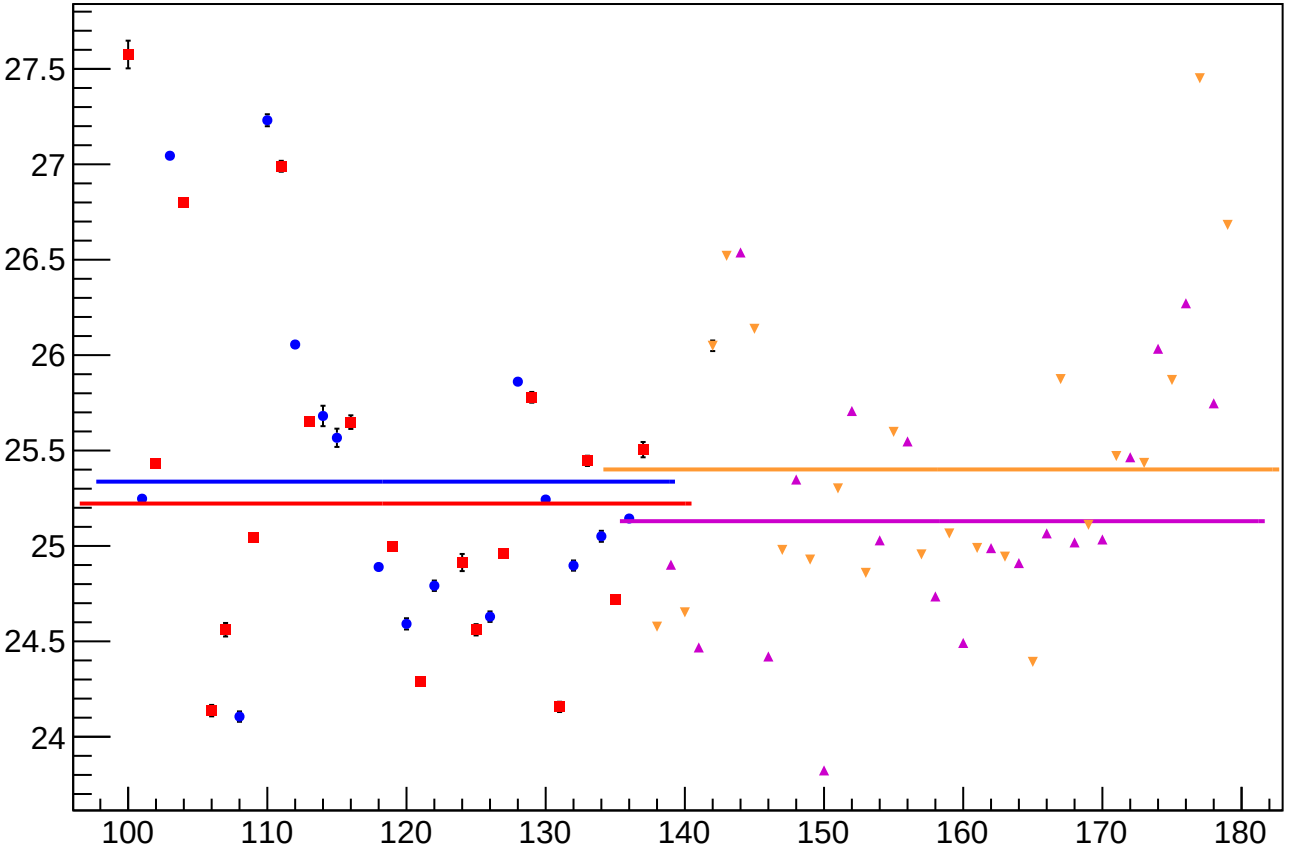
Left In: 1.747+/-6.224 χ^2/NDF:22.7/19

+ sign 6.214+/-5.110 χ^2/NDF: 45.4/37

All: 0.895+/-3.630 χ^2/NDF: 91.6/76

- sign -4.523+/-5.157 χ^2/NDF: 44.0/38

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 25.337+/-0.007 χ^2/NDF: 14315.0/15

Left Out: 25.401+/-0.004 χ^2/NDF:27980.3/21

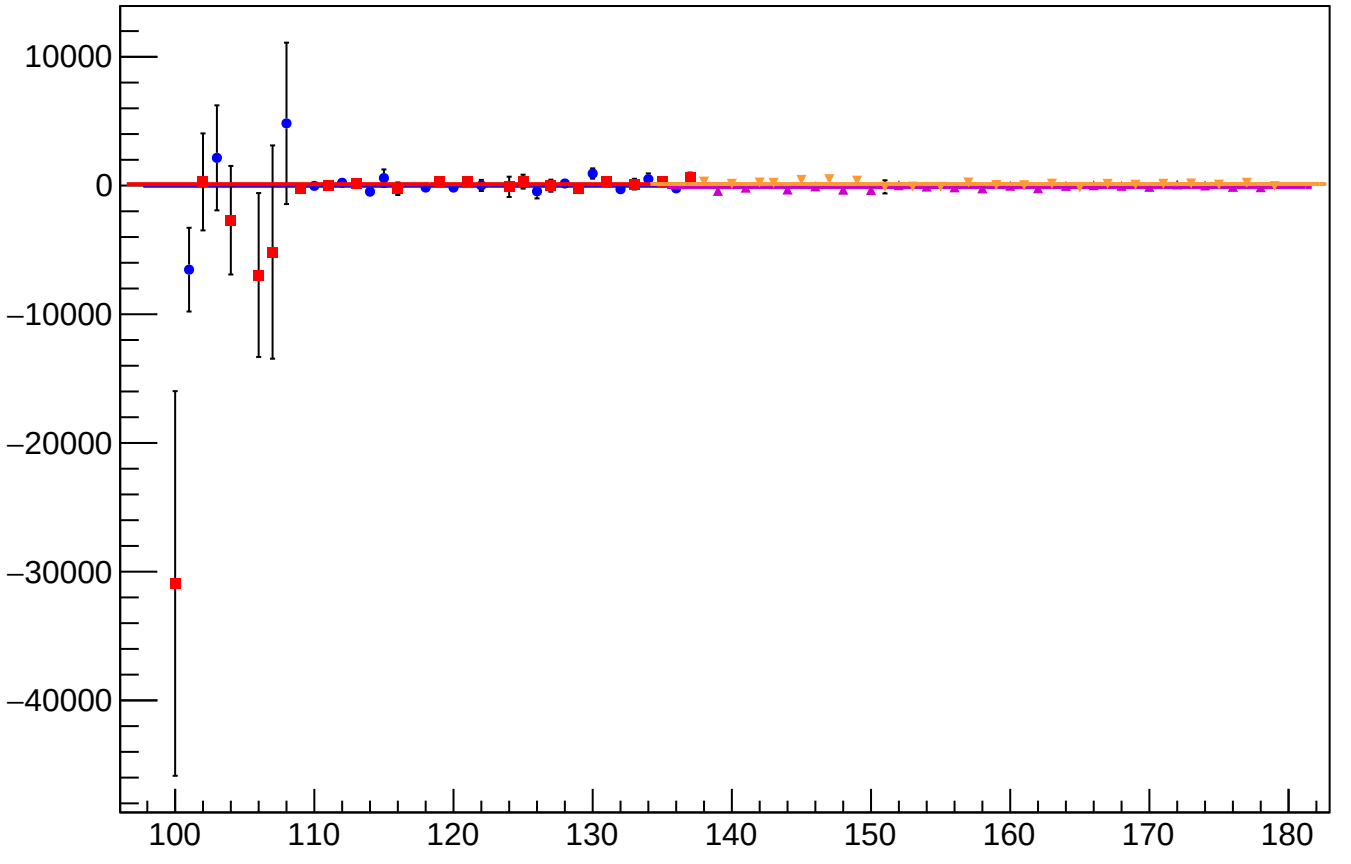
Right Out: 25.222+/-0.007 χ^2/NDF: 15224.4/18

Left In: 25.130+/-0.004 χ^2/NDF:22381.3/19

+ sign 25.382+/-0.004 χ^2/NDF: 42360.2/37

All: 25.271+/-0.003 χ^2/NDF: 81997.6/76

- sign 25.159+/-0.004 χ^2/NDF: 37743.9/38



Right In: -15.450+/-84.701 χ^2/NDF: 18.3/15

Left Out: 116.973+/-51.906 χ^2/NDF:8.2/21

Right Out: 108.825+/-78.099 χ^2/NDF: 14.0/18

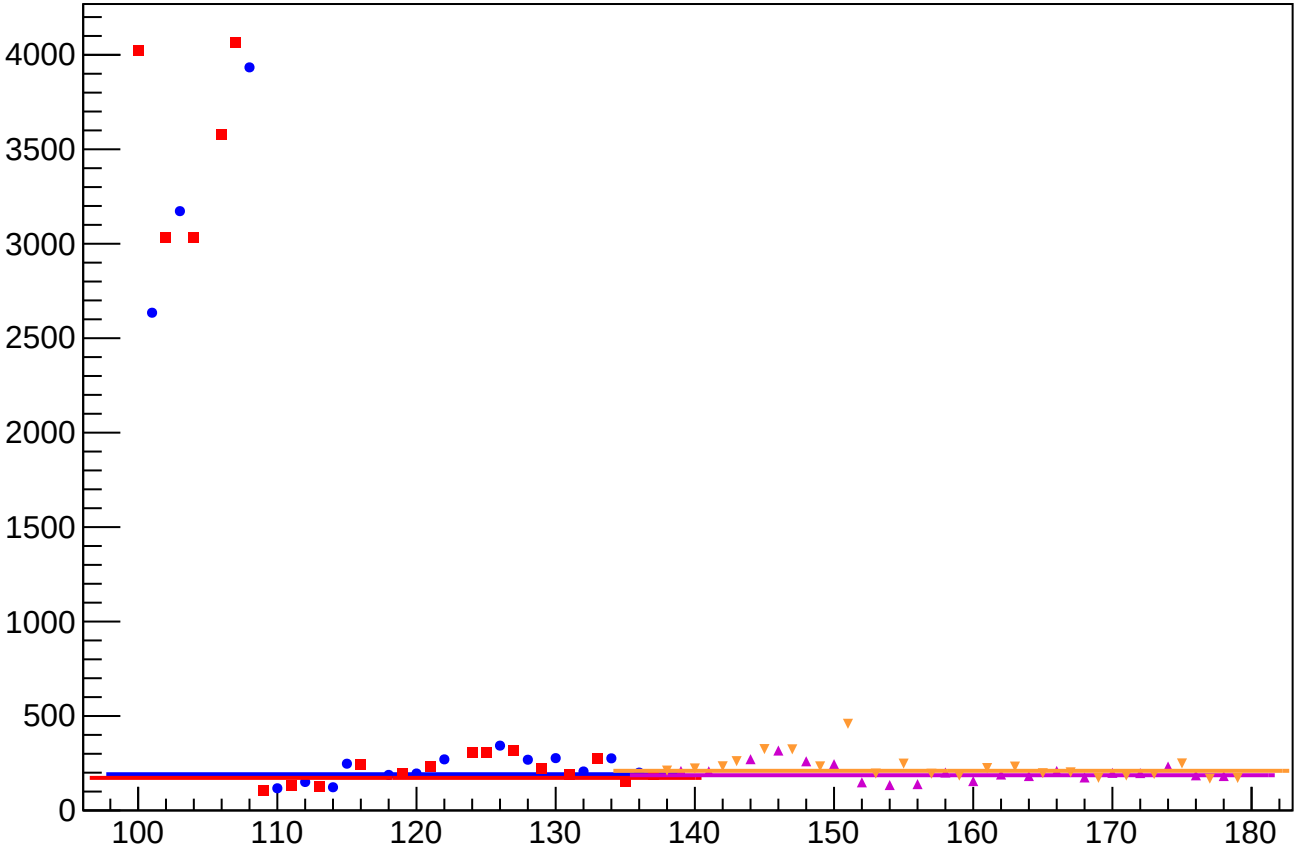
Left In: -111.064+/-48.266 χ^2/NDF:6.5/19

+ sign 80.820+/-44.257 χ^2/NDF: 28.3/37

All: 10.355+/-30.100 χ^2/NDF: 59.3/76

- sign -50.292+/-41.058 χ^2/NDF: 26.3/38

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug



Right In: 191.736+/-0.060 χ^2/NDF: 3821804.2/15

Left Out: 209.825+/-0.037 χ^2/NDF:1421506.0/21

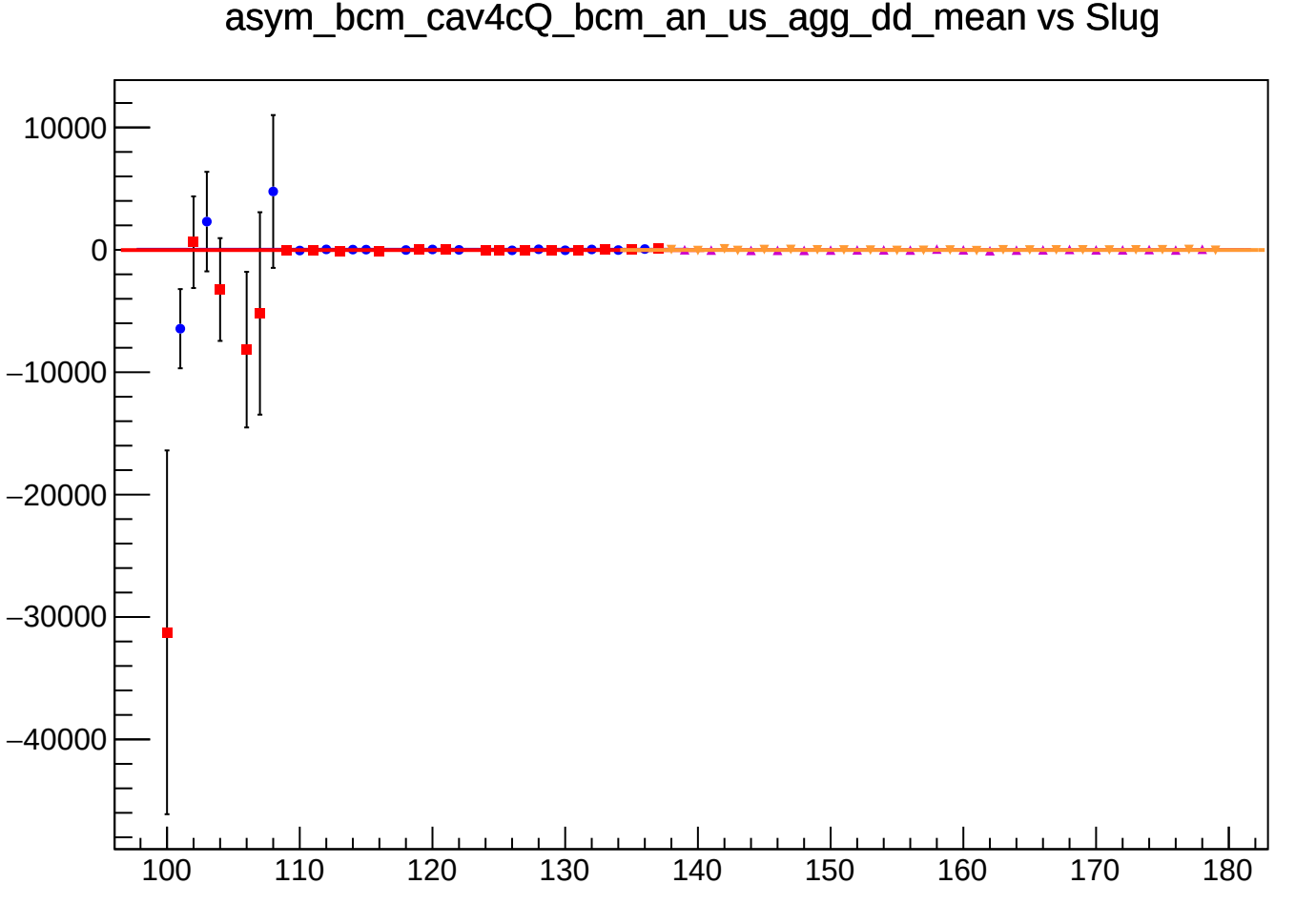
Right Out: 172.462+/-0.055 χ^2/NDF: 4303129.4/18

Left In: 186.495+/-0.034 χ^2/NDF:1406241.6/19

+ sign 204.886+/-0.031 χ^2/NDF: 5309624.8/37

All: 192.917+/-0.021 χ^2/NDF: 11337882.4/76

- sign 182.616+/-0.029 χ^2/NDF: 5756092.4/38



Right In: 9.576+/-11.685 χ^2/NDF: 16.0/15

Left Out: -12.226+/-6.868 χ^2/NDF:20.5/21

Right Out: -18.105+/-11.805 χ^2/NDF: 24.8/18

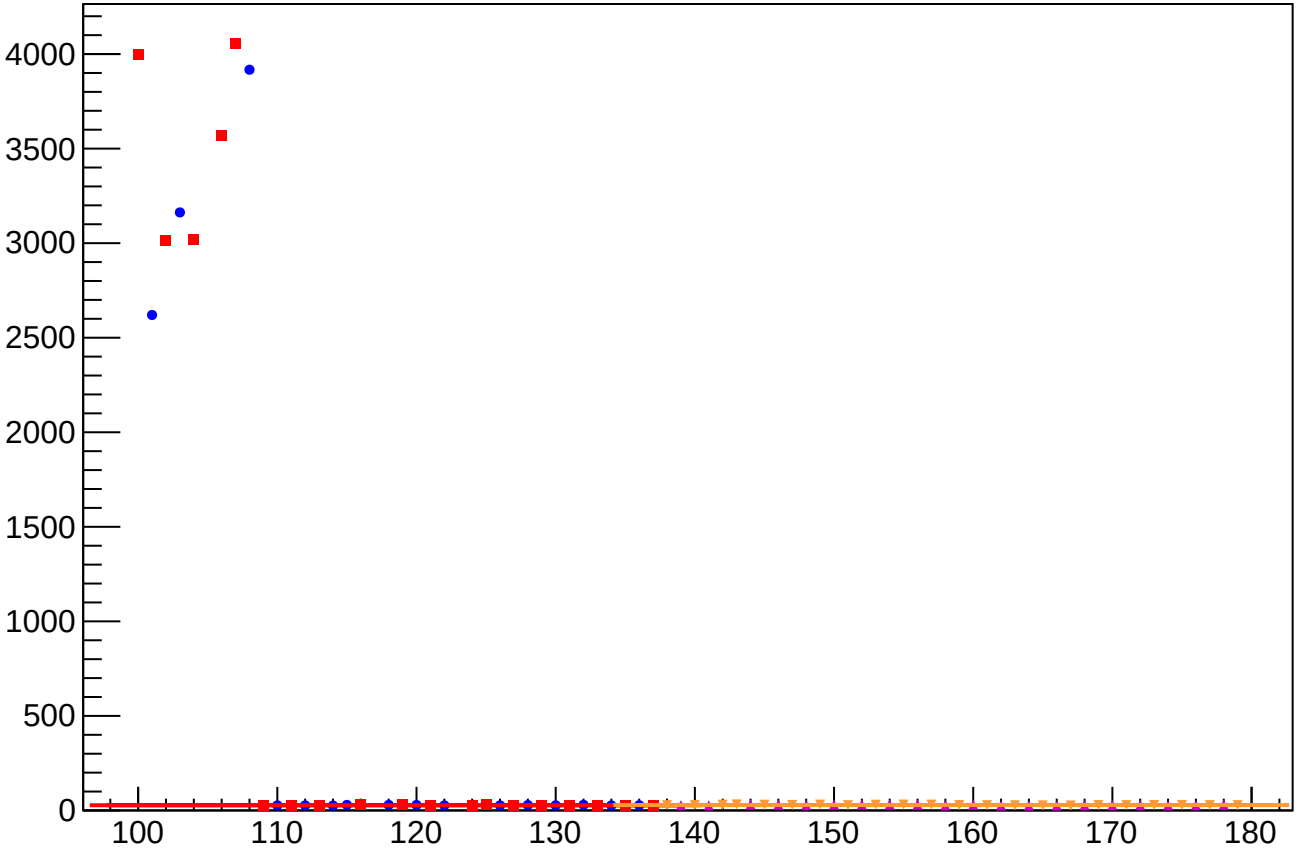
Left In: -2.797+/-7.114 χ^2/NDF:20.3/19

\+ sign -6.628+/-5.921 χ^2/NDF: 39.1/37

All: -6.748+/-4.246 χ^2/NDF: 85.4/76

\- sign -6.875+/-6.093 χ^2/NDF: 46.3/38

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug



Right In: 27.642+/-0.008 χ^2/NDF: 3265498.5/15

Left Out: 28.637+/-0.005 χ^2/NDF:85906.6/21

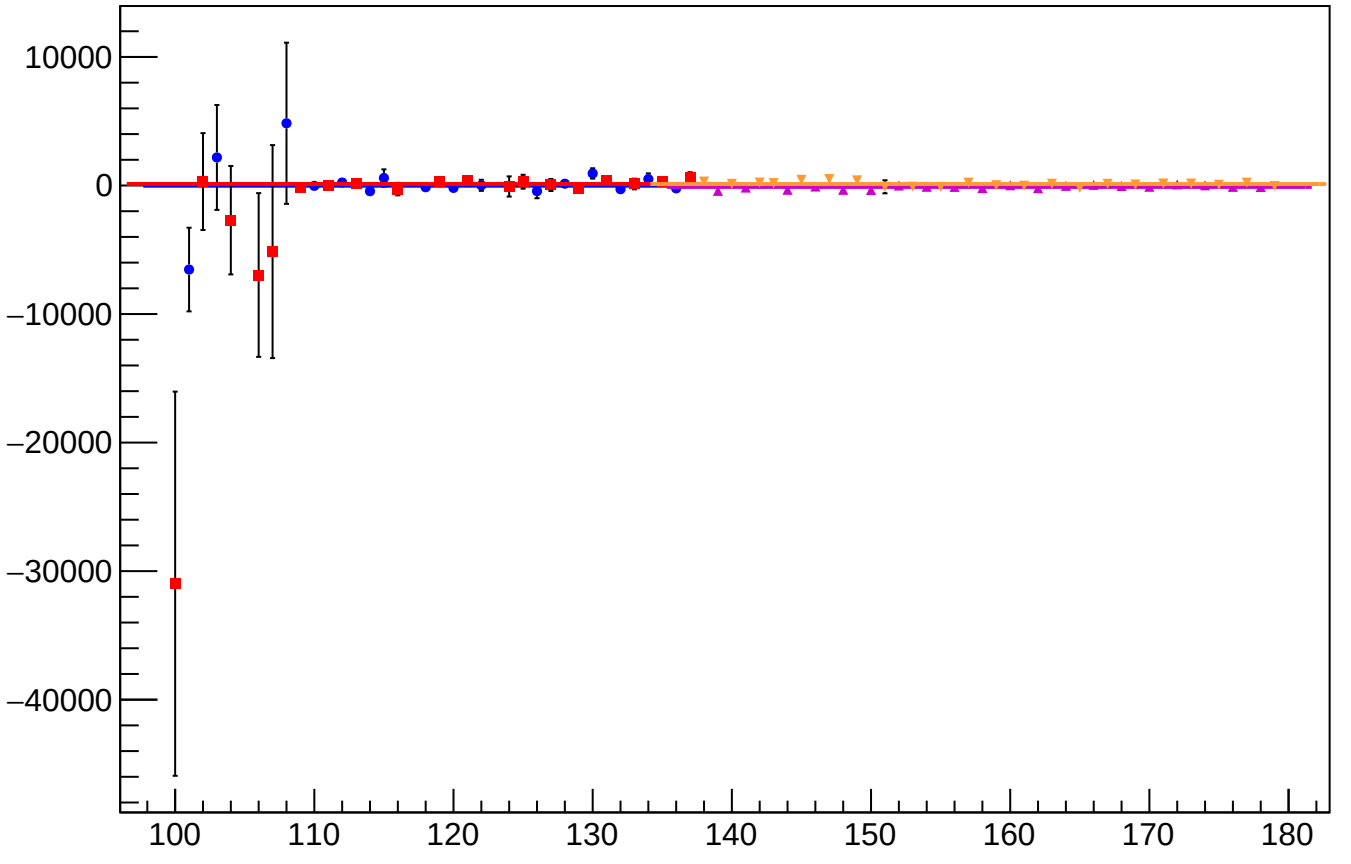
Right Out: 27.535+/-0.008 χ^2/NDF: 3555229.4/18

Left In: 28.649+/-0.005 χ^2/NDF:119964.6/19

+ sign 28.381+/-0.004 χ^2/NDF: 3362187.9/37

All: 28.367+/-0.003 χ^2/NDF: 7050484.4/76

- sign 28.352+/-0.004 χ^2/NDF: 3688273.2/38



Right In: -13.160+/-84.454 χ^2/NDF: 18.3/15

Left Out: 113.398+/-51.787 χ^2/NDF:8.9/21

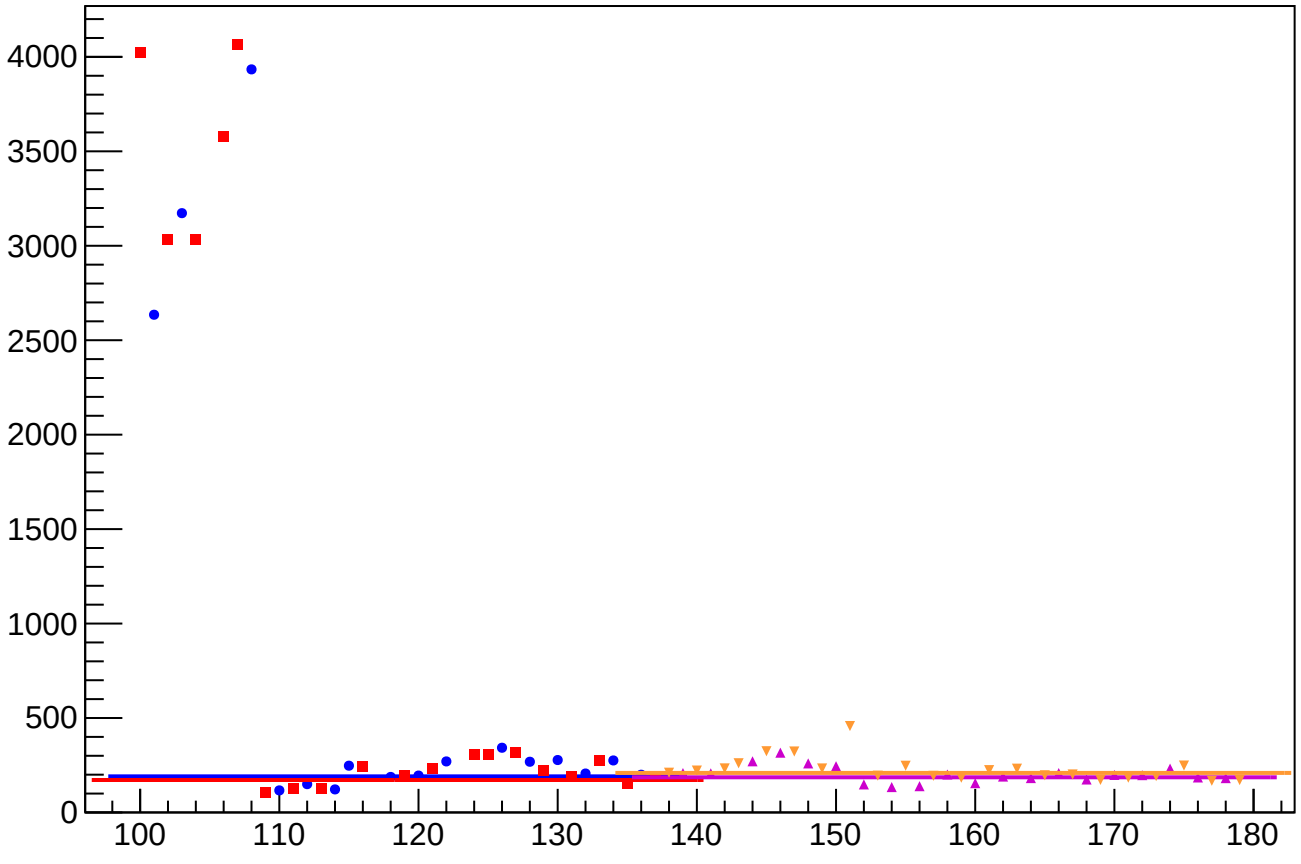
Right Out: 118.063+/-77.862 χ^2/NDF: 14.4/18

Left In: -108.033+/-48.170 χ^2/NDF:6.7/19

\+ sign 78.815+/-44.148 χ^2/NDF: 28.8/37

All: 12.040+/-30.029 χ^2/NDF: 60.4/76

\- sign -45.452+/-40.964 χ^2/NDF: 27.3/38



Right In: 191.070+/-0.060 χ^2/NDF: 3833952.4/15

Left Out: 209.342+/-0.037 χ^2/NDF:1423284.7/21

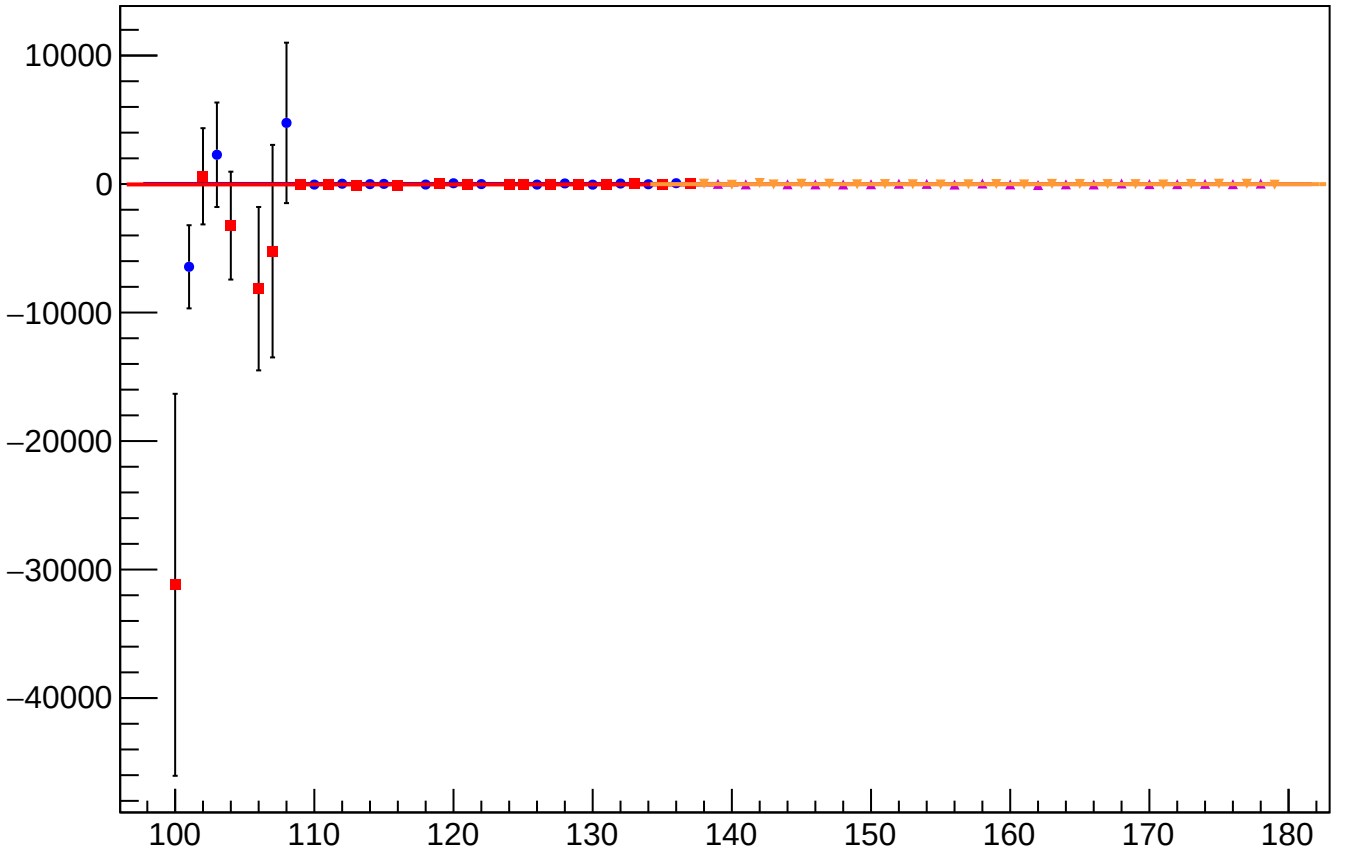
Right Out: 171.835+/-0.055 χ^2/NDF: 4314721.8/18

Left In: 186.125+/-0.034 χ^2/NDF:1405794.8/19

+ sign 204.349+/-0.031 χ^2/NDF: 5325273.3/37

All: 192.431+/-0.021 χ^2/NDF: 11365749.6/76

- sign 182.170+/-0.029 χ^2/NDF: 5769237.0/38



Right In: 6.490+/-11.764 χ^2/NDF: 18.3/15

Left Out: -9.116+/-6.903 χ^2/NDF:15.8/21

Right Out: -30.962+/-11.902 χ^2/NDF: 19.9/18

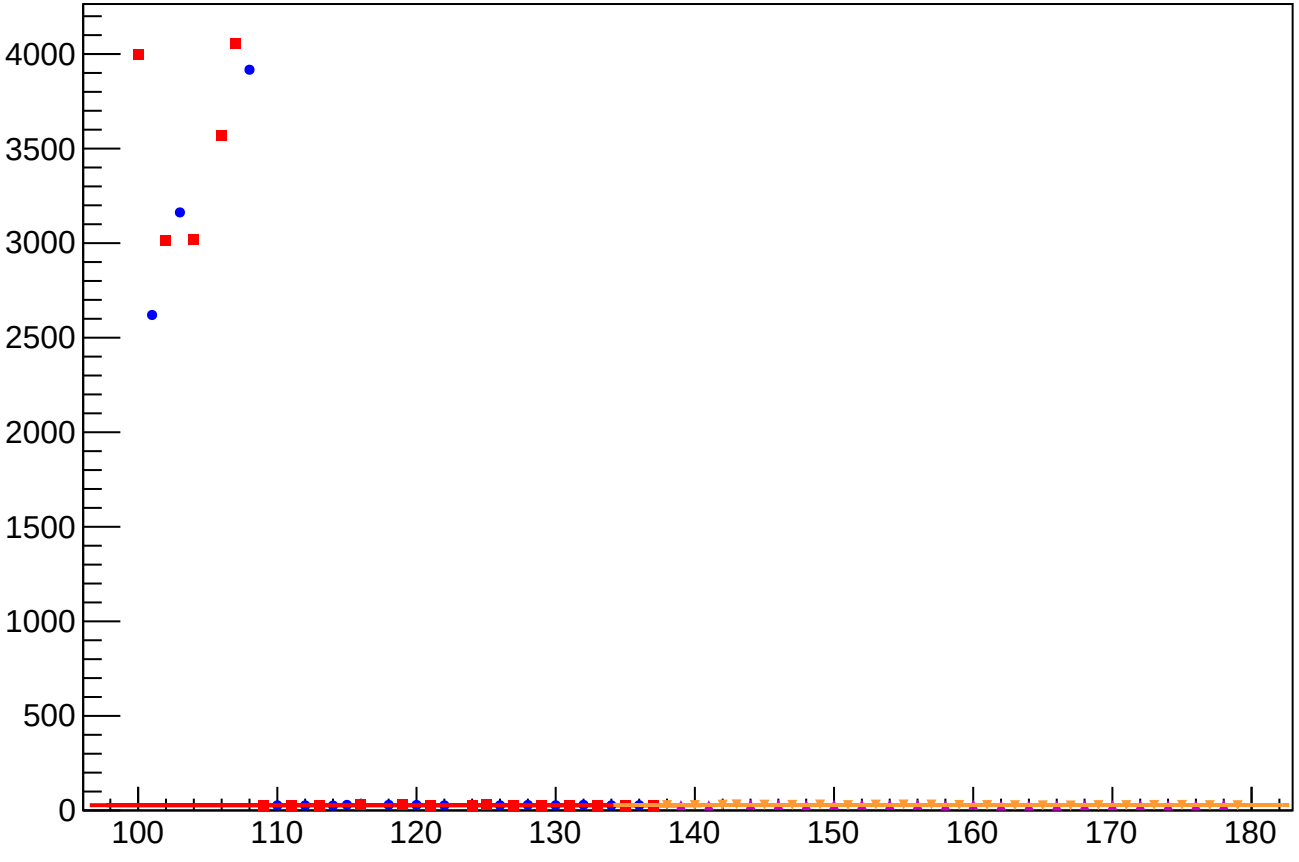
Left In: -4.735+/-7.148 χ^2/NDF:18.3/19

+ sign -5.118+/-5.954 χ^2/NDF: 35.4/37

All: -8.308+/-4.270 χ^2/NDF: 77.8/76

- sign -11.688+/-6.128 χ^2/NDF: 41.8/38

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug



Right In: 27.825+/-0.008 χ^2/NDF: 3265895.3/15

Left Out: 28.779+/-0.005 χ^2/NDF:95475.8/21

Right Out: 27.754+/-0.008 χ^2/NDF: 3558676.9/18

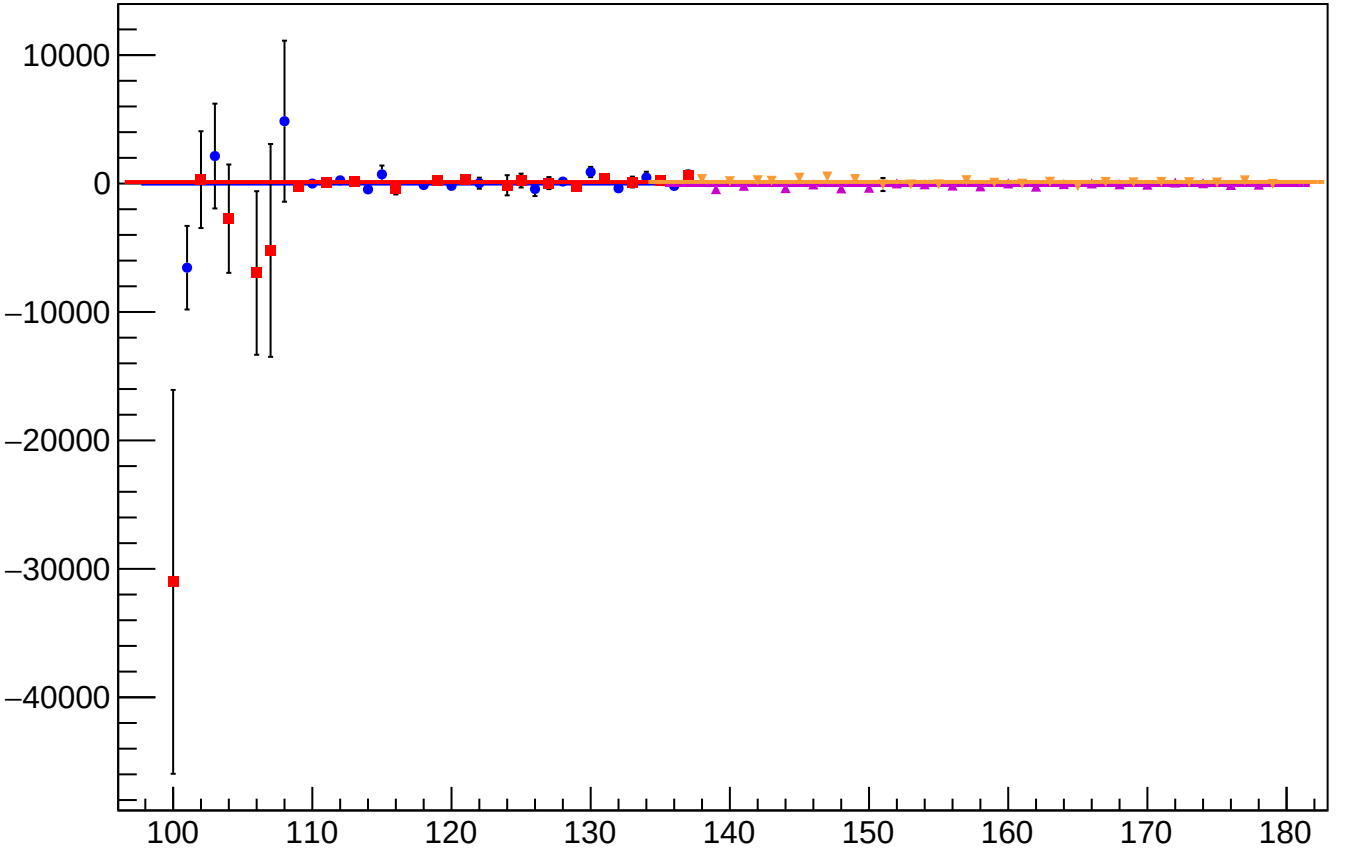
Left In: 28.787+/-0.005 χ^2/NDF:123668.3/19

+ sign 28.534+/-0.004 χ^2/NDF: 3371149.1/37

All: 28.524+/-0.003 χ^2/NDF: 7064599.8/76

- sign 28.513+/-0.004 χ^2/NDF: 3693438.8/38

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs Slug



Right In: -2.795+/-85.508 χ^2/NDF: 18.2/15

Left Out: 123.295+/-52.238 χ^2/NDF:8.9/21

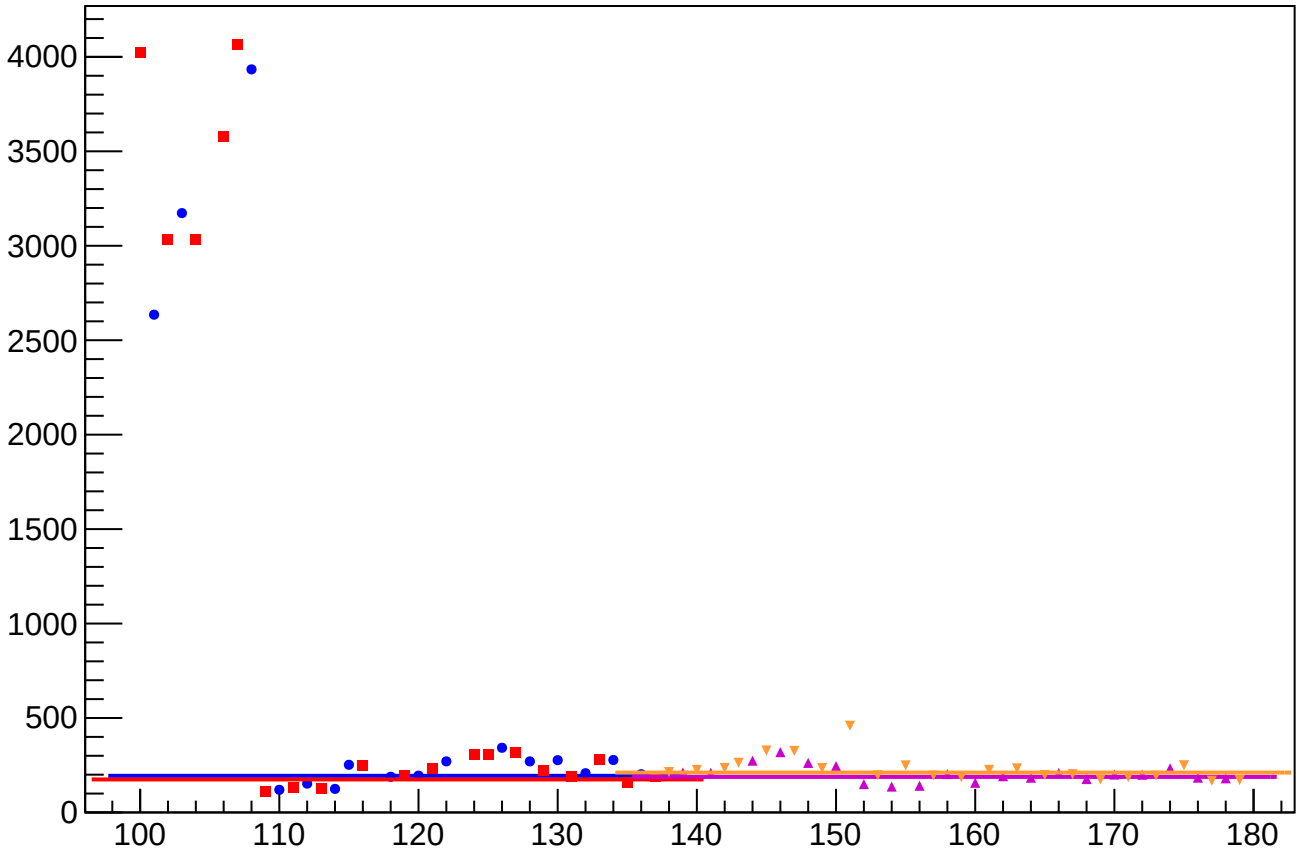
Right Out: 115.753+/-78.952 χ^2/NDF: 13.8/18

Left In: -115.136+/-48.659 χ^2/NDF:7.3/19

+ sign 89.026+/-44.577 χ^2/NDF: 28.7/37

All: 13.575+/-30.345 χ^2/NDF: 61.3/76

- sign -51.577+/-41.424 χ^2/NDF: 27.3/38



Right In: 193.946+/-0.060 χ^2/NDF: 3784467.5/15

Left Out: 211.201+/-0.037 χ^2/NDF:1426335.1/21

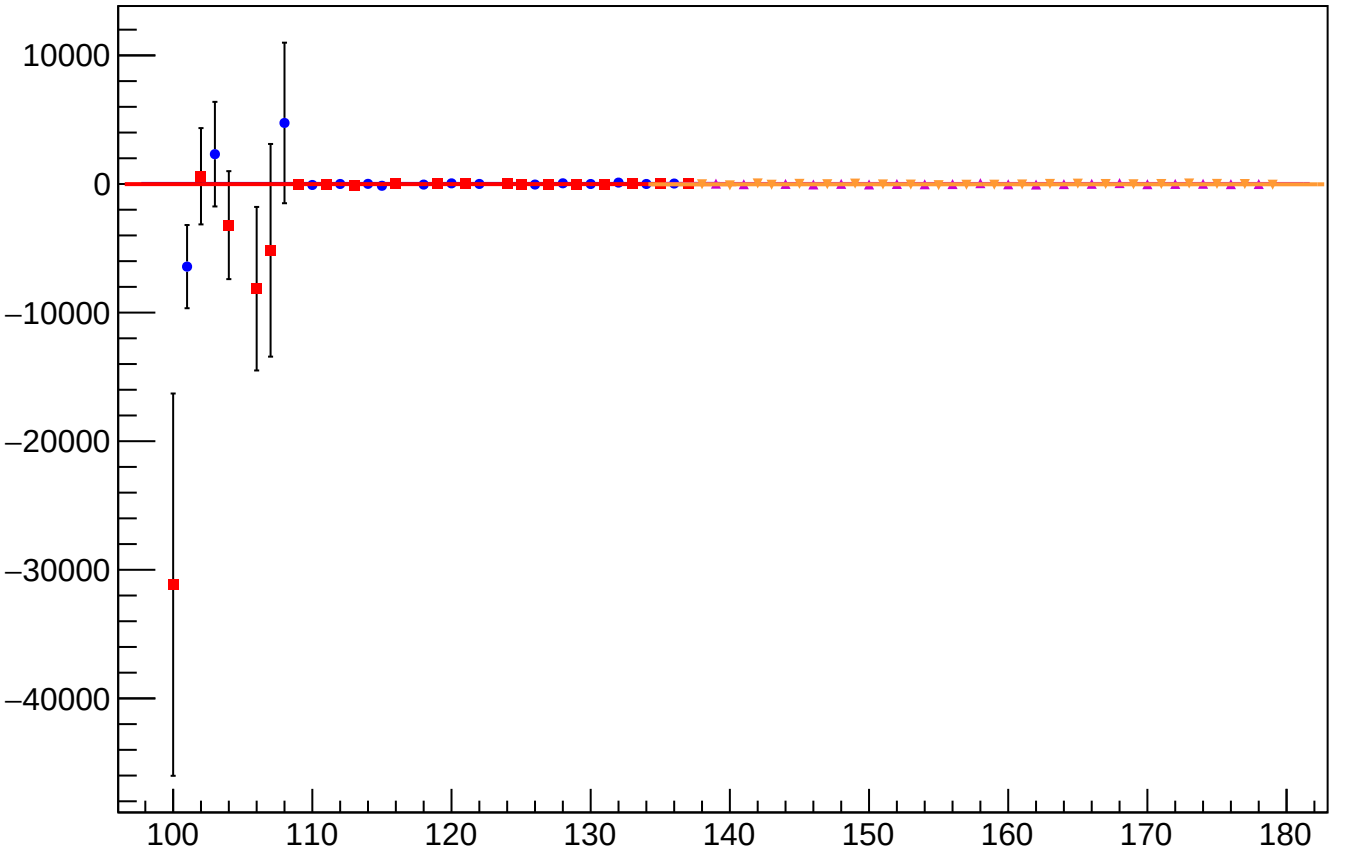
Right Out: 174.779+/-0.056 χ^2/NDF: 4259323.6/18

Left In: 188.159+/-0.034 χ^2/NDF:1376449.8/19

+ sign 206.512+/-0.032 χ^2/NDF: 5270108.3/37

All: 194.687+/-0.021 χ^2/NDF: 11209758.4/76

- sign 184.476+/-0.029 χ^2/NDF: 5677398.0/38



Right In: 5.660+/-14.306 χ^2/NDF: 17.5/15

Left Out: -23.813+/-8.247 χ^2/NDF:21.5/21

Right Out: -10.003+/-14.433 χ^2/NDF: 23.4/18

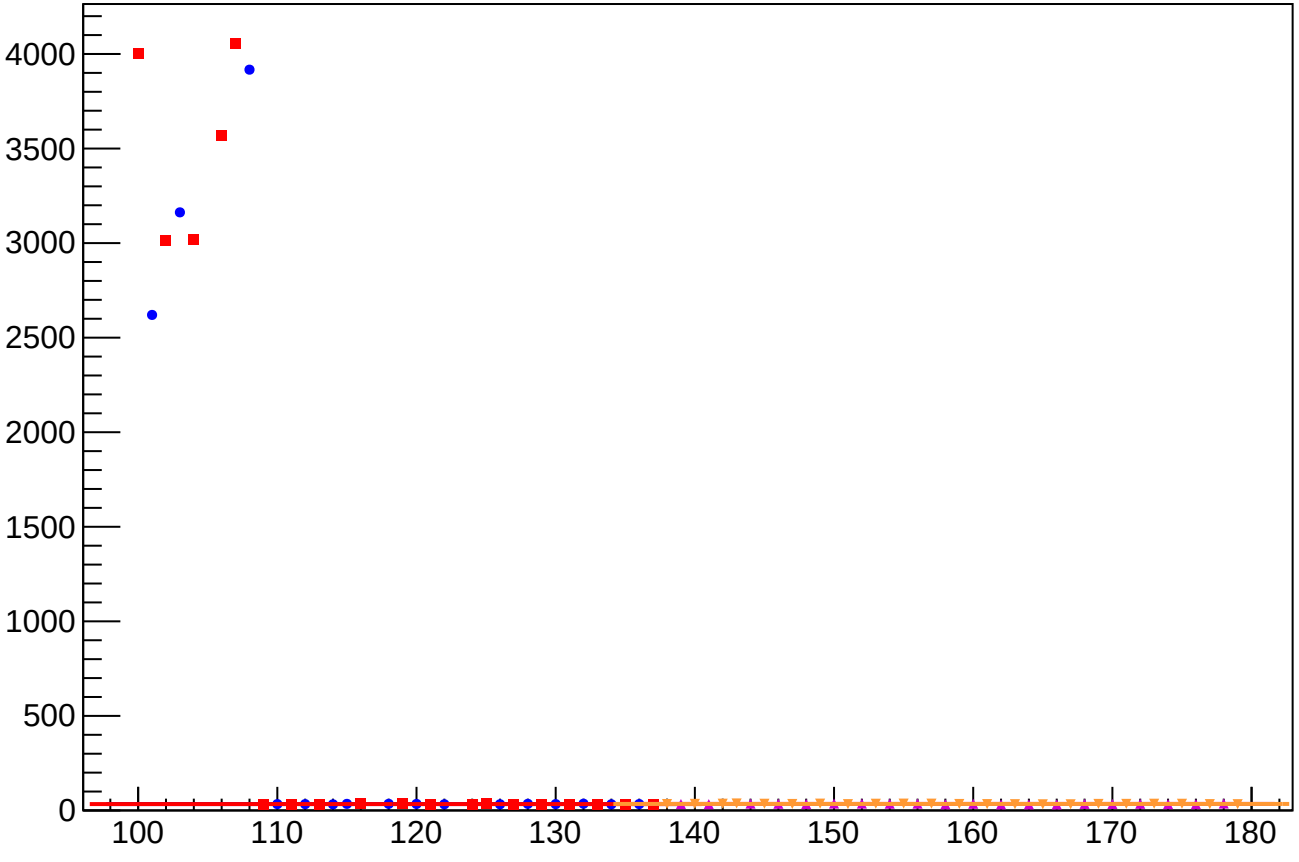
Left In: 2.708+/-8.560 χ^2/NDF:12.2/19

+ sign -16.461+/-7.145 χ^2/NDF: 42.2/37

All: -8.768+/-5.127 χ^2/NDF: 80.7/76

- sign -0.600+/-7.362 χ^2/NDF: 36.2/38

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug



Right In: 33.899+/-0.010 χ^2/NDF: 3244382.4/15

Left Out: 34.432+/-0.006 χ^2/NDF:43645.6/21

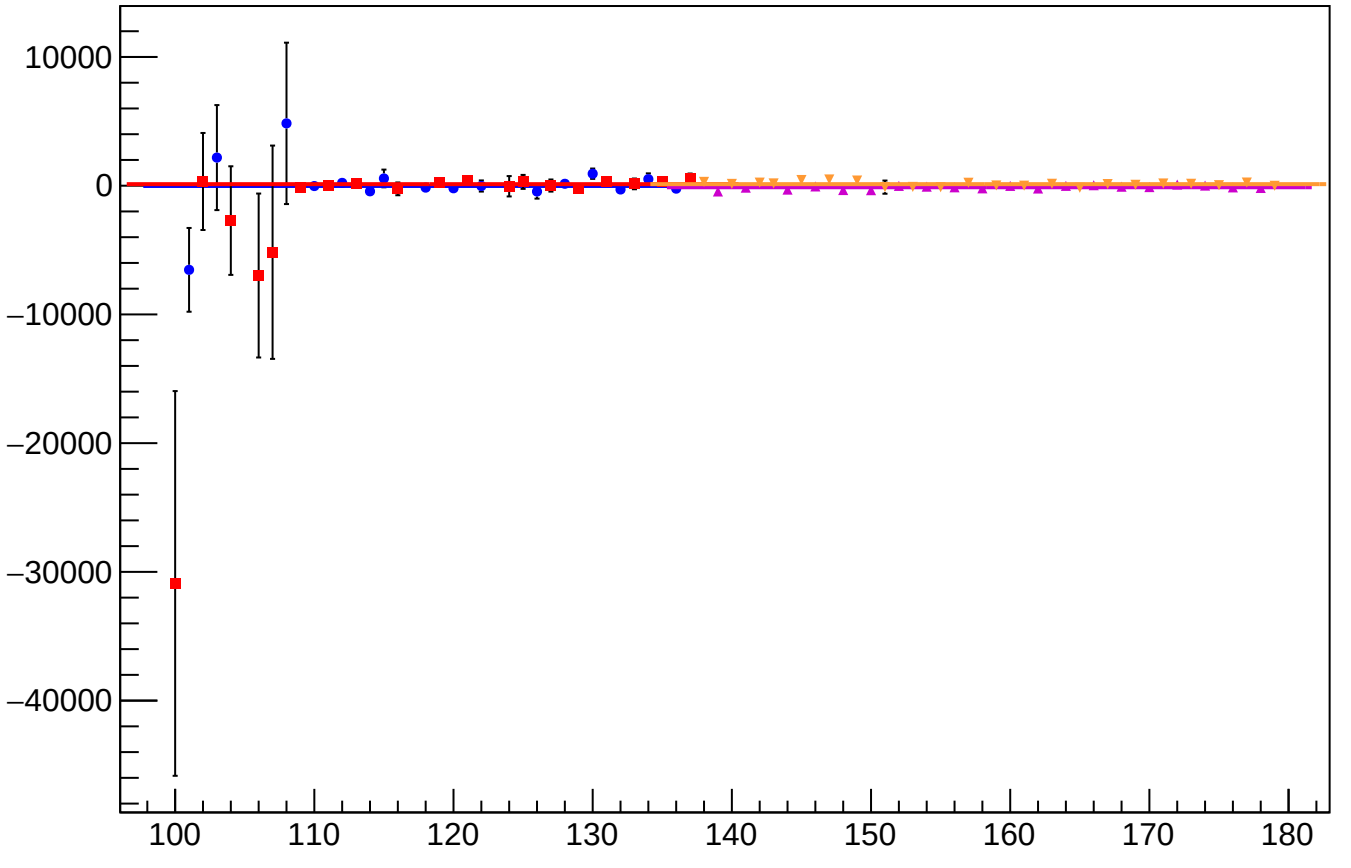
Right Out: 33.726+/-0.010 χ^2/NDF: 3526463.8/18

Left In: 34.535+/-0.006 χ^2/NDF:57683.9/19

+ sign 34.299+/-0.005 χ^2/NDF: 3290108.7/37

All: 34.312+/-0.004 χ^2/NDF: 6878917.0/76

- sign 34.325+/-0.005 χ^2/NDF: 3588796.0/38



Right In: -19.522+/-85.063 χ^2/NDF: 18.2/15

Left Out: 120.372+/-52.211 χ^2/NDF:8.6/21

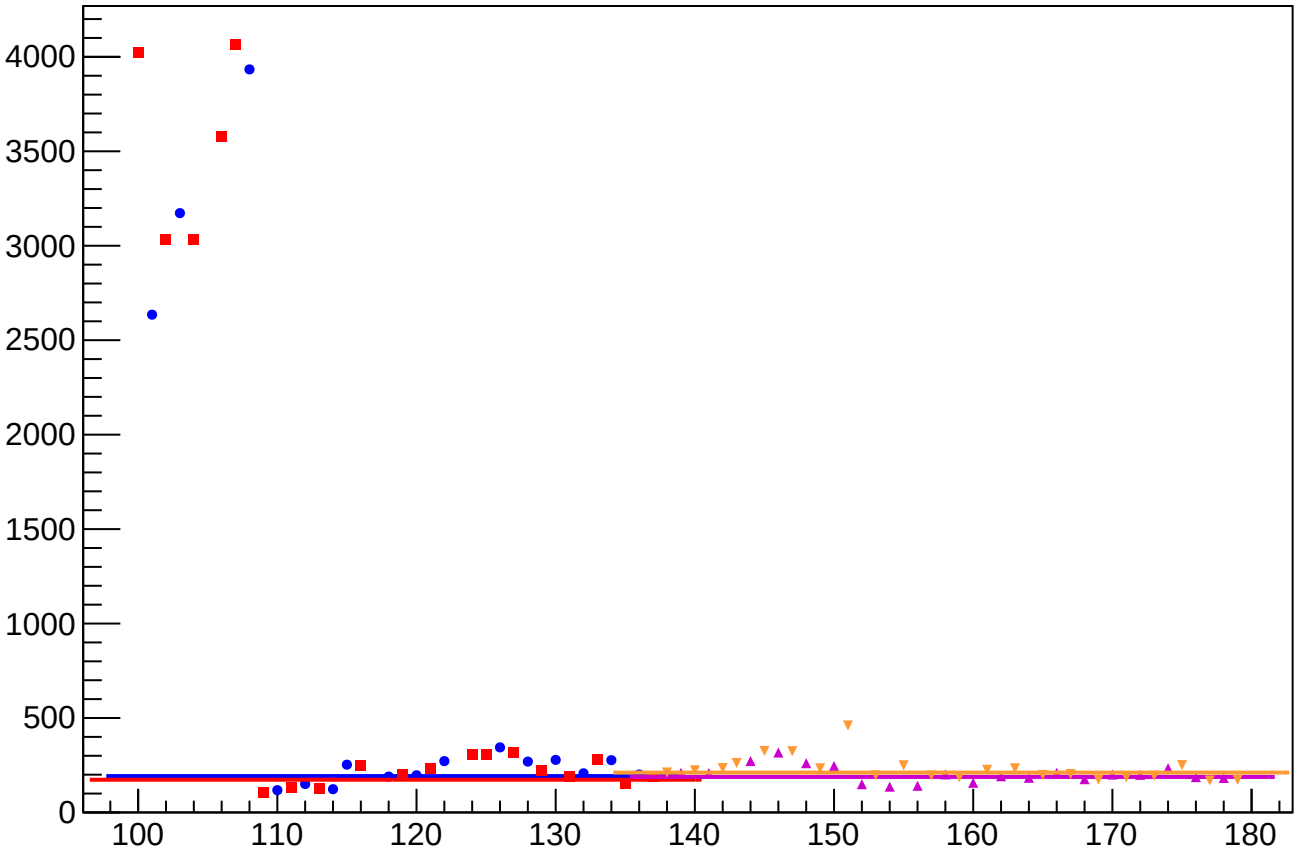
Right Out: 119.922+/-78.455 χ^2/NDF: 13.3/18

Left In: -120.701+/-48.611 χ^2/NDF:6.6/19

+ sign 82.090+/-44.498 χ^2/NDF: 28.7/37

All: 9.043+/-30.280 χ^2/NDF: 60.5/76

- sign -53.949+/-41.322 χ^2/NDF: 26.7/38



Right In: 192.560+/-0.060 χ^2/NDF: 3822789.1/15

Left Out: 211.143+/-0.037 χ^2/NDF:1404493.2/21

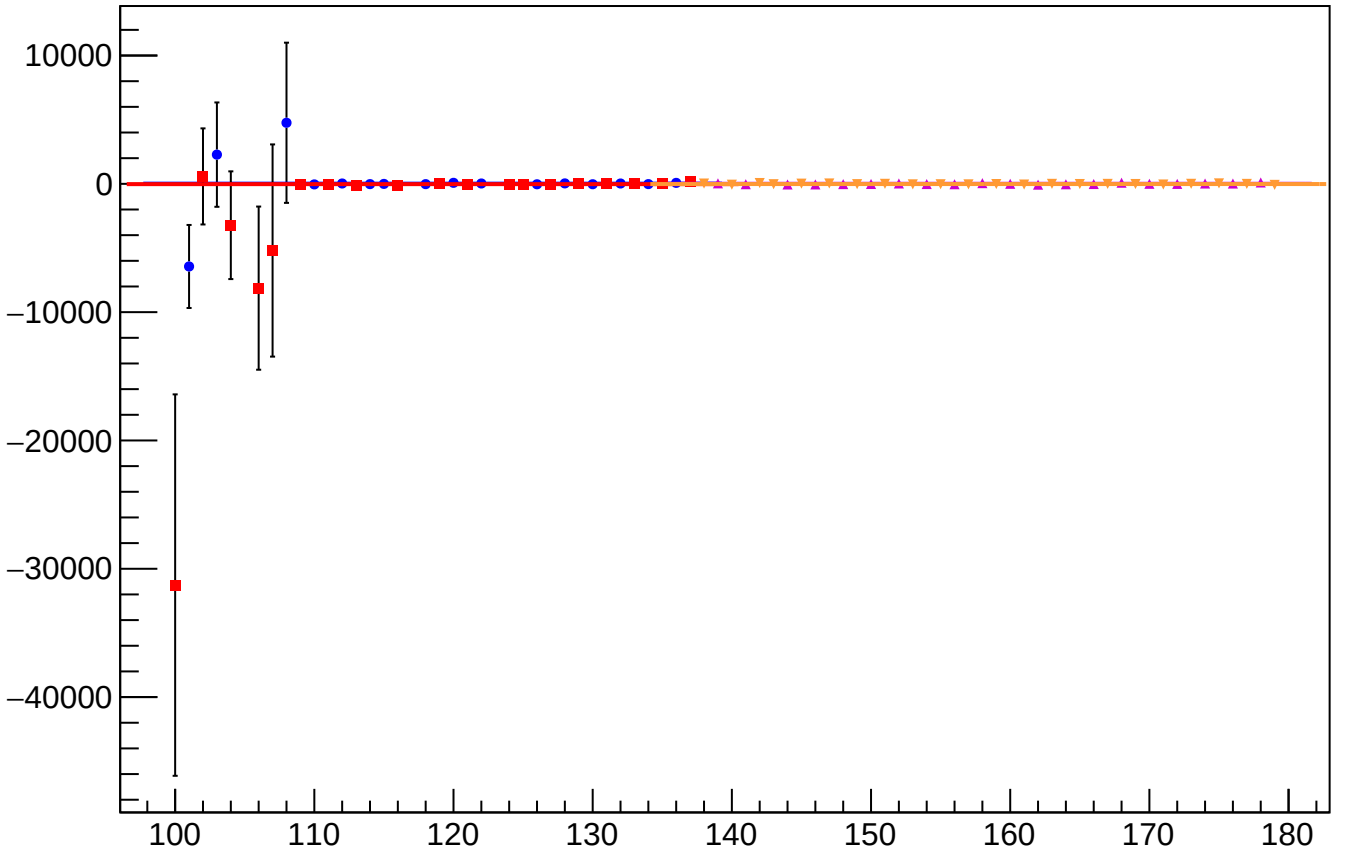
Right Out: 173.249+/-0.055 χ^2/NDF: 4307420.2/18

Left In: 187.973+/-0.034 χ^2/NDF:1365707.7/19

+ sign 206.058+/-0.031 χ^2/NDF: 5296611.7/37

All: 194.154+/-0.021 χ^2/NDF: 11287196.6/76

- sign 183.889+/-0.029 χ^2/NDF: 5724033.6/38



Right In: 13.713+/-13.062 χ^2/NDF: 15.5/15

Left Out: -16.446+/-7.511 χ^2/NDF:18.9/21

Right Out: -23.230+/-13.181 χ^2/NDF: 28.7/18

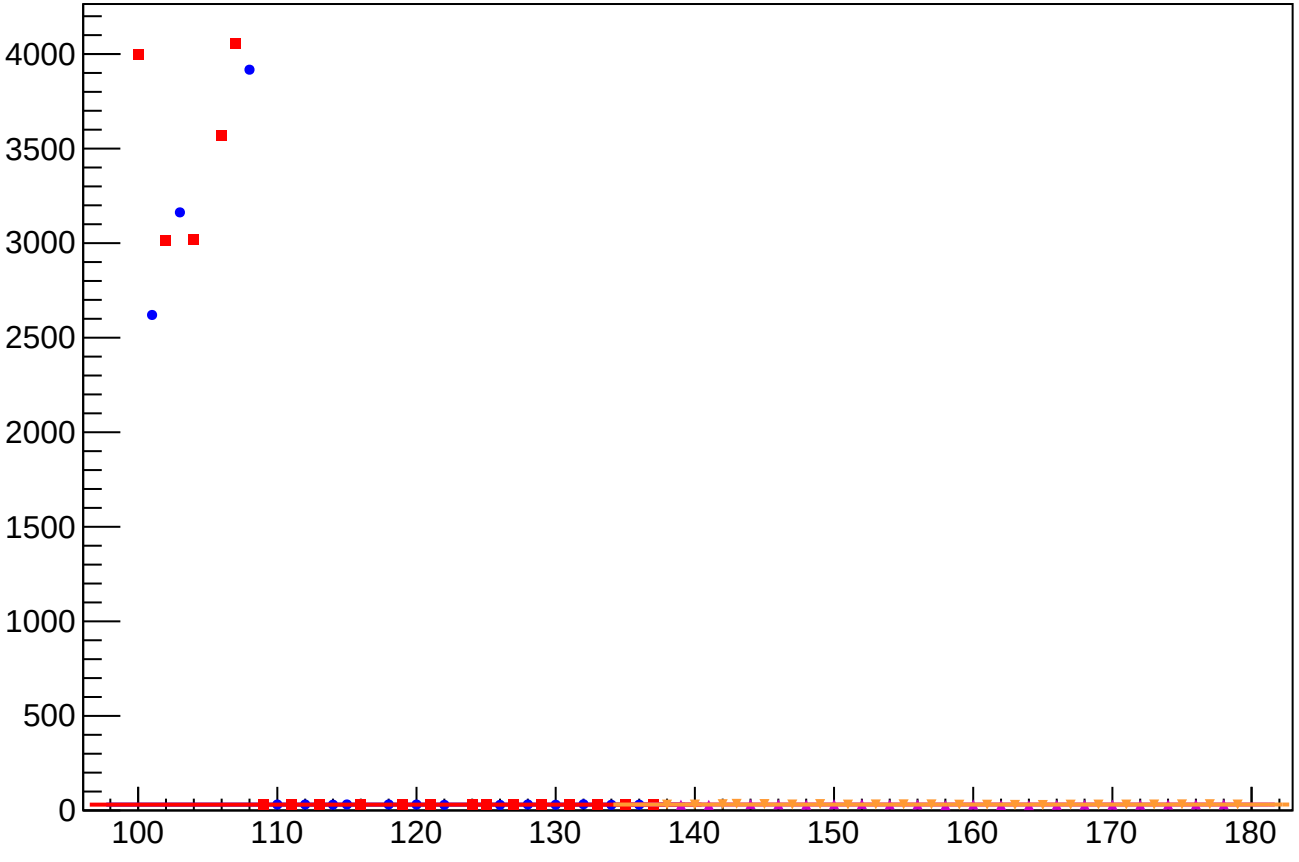
Left In: 4.689+/-7.777 χ^2/NDF:32.0/19

+ sign -8.952+/-6.511 χ^2/NDF: 38.3/37

All: -5.827+/-4.669 χ^2/NDF: 102.8/76

- sign -2.521+/-6.698 χ^2/NDF: 64.0/38

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 30.928+/-0.009 χ^2/NDF: 3252607.8/15

Left Out: 31.337+/-0.005 χ^2/NDF:62609.7/21

Right Out: 30.777+/-0.009 χ^2/NDF: 3536234.6/18

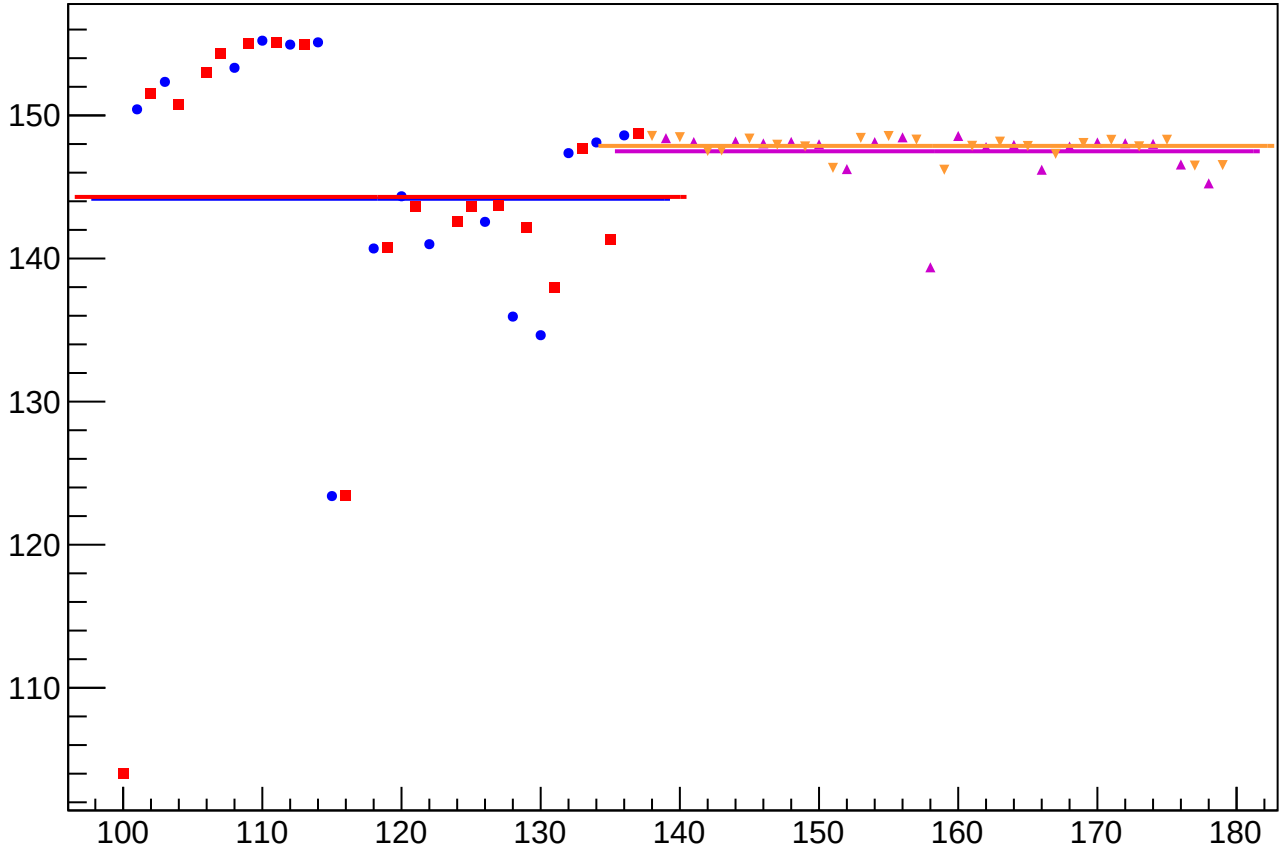
Left In: 31.346+/-0.005 χ^2/NDF:83916.4/19

+ sign 31.235+/-0.005 χ^2/NDF: 3316686.8/37

All: 31.218+/-0.003 χ^2/NDF: 6939631.2/76

- sign 31.199+/-0.005 χ^2/NDF: 3622914.1/38

yield_bcm_target_mean vs Slug



Right In: 144.176+/-0.000 χ^2/NDF: 3724747268.7/15

Left Out: 147.871+/-0.000 χ^2/NDF:44817551.1/21

Right Out: 144.304+/-0.000 χ^2/NDF: 4264494940.7/18

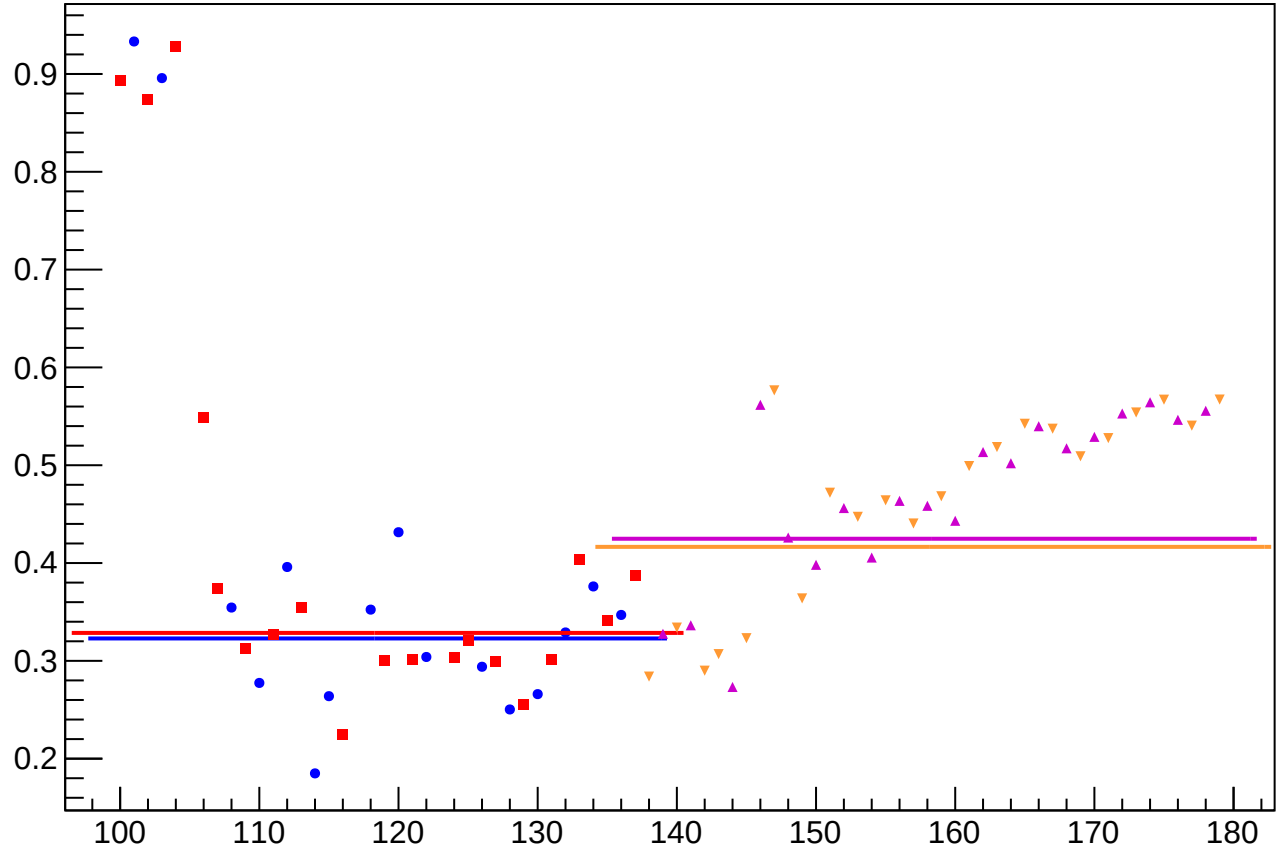
Left In: 147.493+/-0.000 χ^2/NDF:306018280.1/19

+ sign 146.455+/-0.000 χ^2/NDF: 4250166124.5/37

All: 146.334+/-0.000 χ^2/NDF: 9167248774.7

- sign 146.204+/-0.000 χ^2/NDF: 4912537533.9/38

yield_bcm_target_rms vs Slug



Right In: 0.323+/-0.000 χ^2/NDF: 1396024.1/15

Left Out: 0.417+/-0.000 χ^2/NDF:1919213.7/21

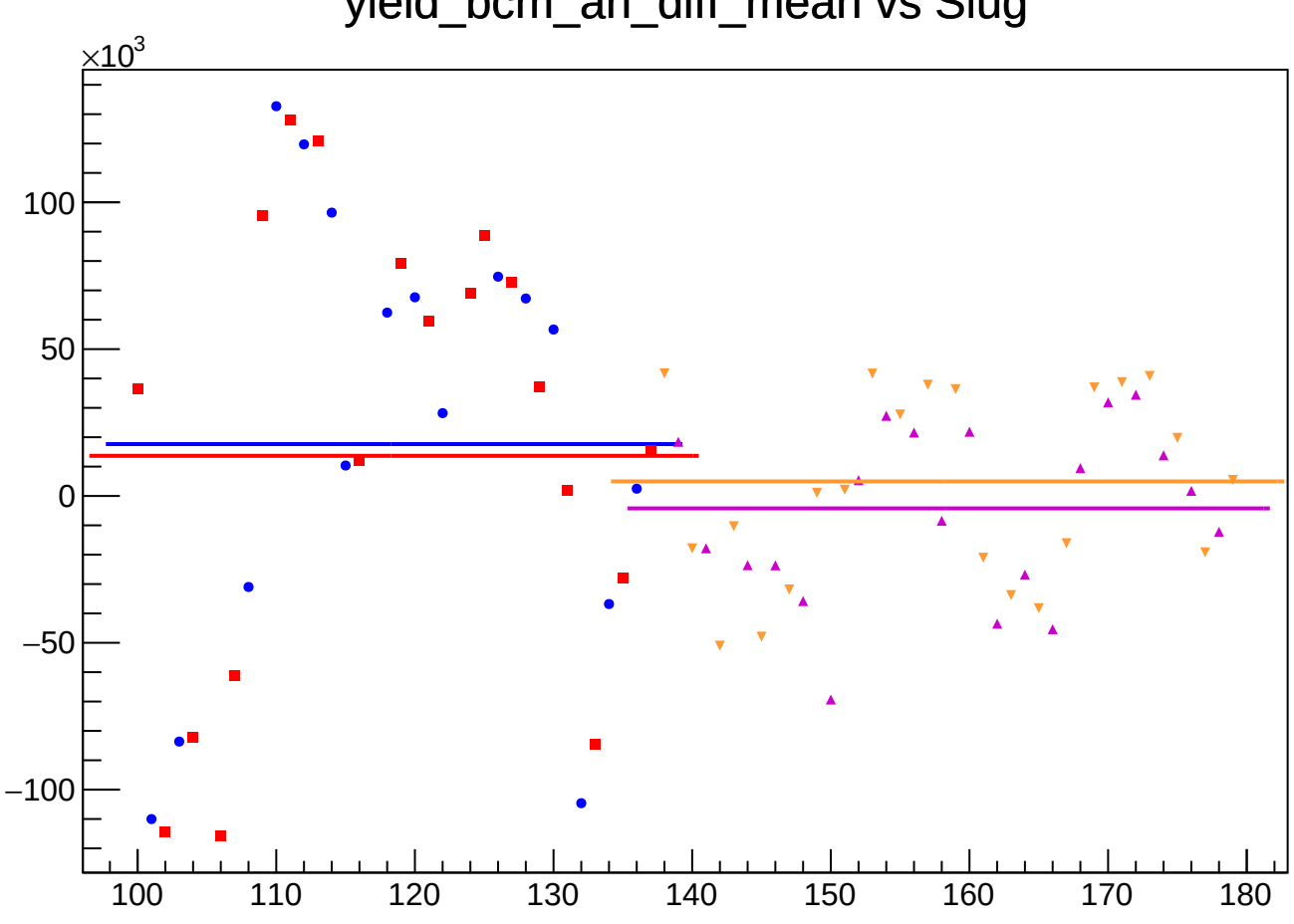
Right Out: 0.329+/-0.000 χ^2/NDF: 1304148.7/18

Left In: 0.425+/-0.000 χ^2/NDF:1519236.7/19

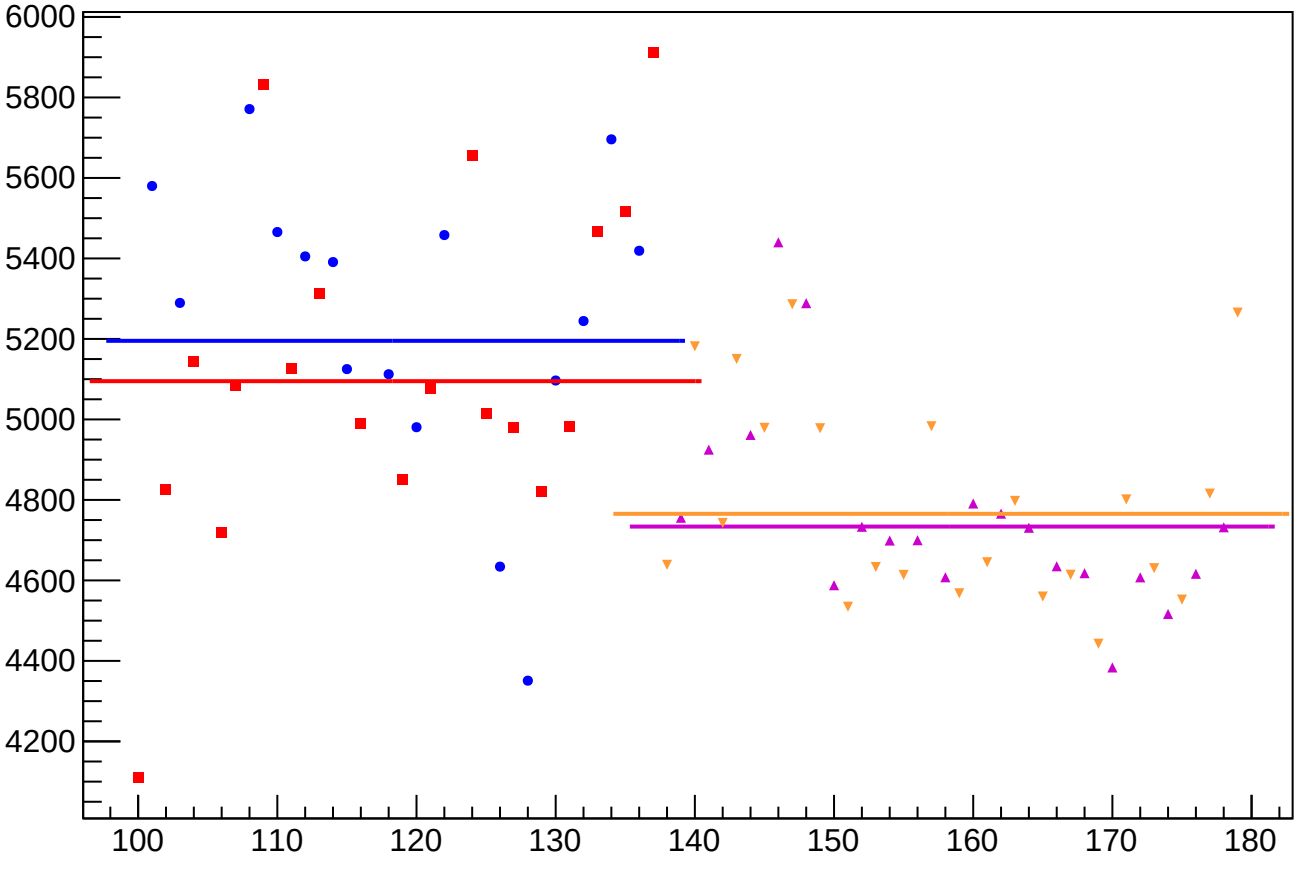
+ sign 0.381+/-0.000 χ^2/NDF: 3932667.1/37

All: 0.383+/-0.000 χ^2/NDF: 7383571.3/76

- sign 0.386+/-0.000 χ^2/NDF: 3446901.8/38


yield_bcm_an_diff_mean vs Slug
×10^3
100
50
0
−50
−100
100
110
120
130
140
150
160
170
180
Right In: 17663.790+/-2.006 χ²/NDF: 1398738701.8/15
Left Out: 4952.300+/-1.167 χ²/NDF:696069545.8/21
Right Out: 13666.312+/-1.925 χ²/NDF: 1856962869.6/18
Left In: -4231.583+/-1.198 χ²/NDF:583983959.3/19
+ sign 8167.099+/-1.009 χ²/NDF: 2124821459.0/37
All: 4497.832+/-0.716 χ²/NDF: 4654779259.
- sign 765.875+/-1.017 χ²/NDF: 2503260385.6/38

yield_bcm_an_diff_rms vs Slug



Right In: 5195.298+/-1.418 χ^2/NDF: 77166.0/15

Left Out: 4765.379+/-0.825 χ^2/NDF:85253.0/21

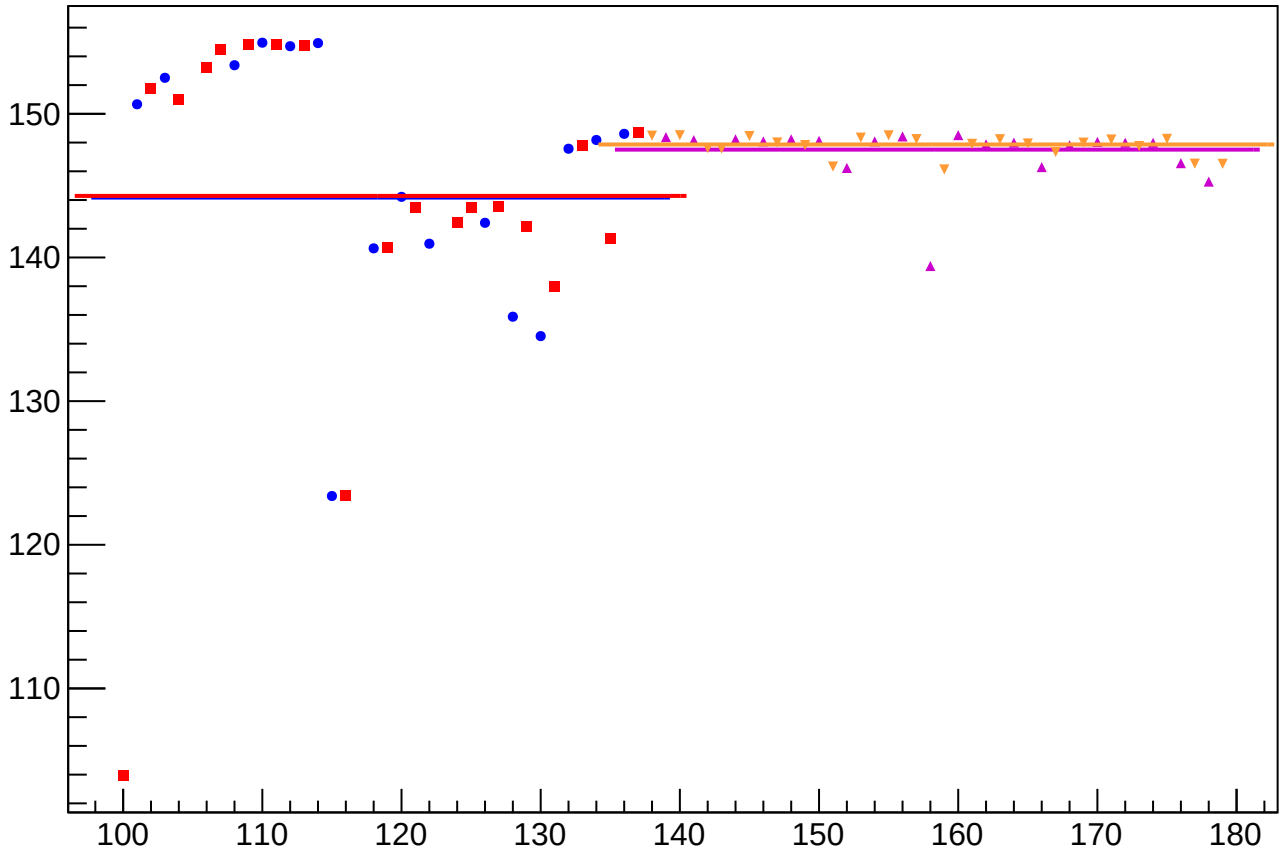
Right Out: 5095.047+/-1.361 χ^2/NDF: 59112.0/18

Left In: 4733.758+/-0.847 χ^2/NDF:71094.2/19

\+ sign 4874.108+/-0.713 χ^2/NDF: 231082.3/37

All: 4854.540+/-0.506 χ^2/NDF: 413589.9/76

\- sign 4834.638+/-0.719 χ^2/NDF: 180989.2/38



Right In: 144.172+/-0.000 χ^2/NDF: 3764836520.0/15

Left Out: 147.867+/-0.000 χ^2/NDF:44452451.6/21

Right Out: 144.286+/-0.000 χ^2/NDF: 4290223847.7/18

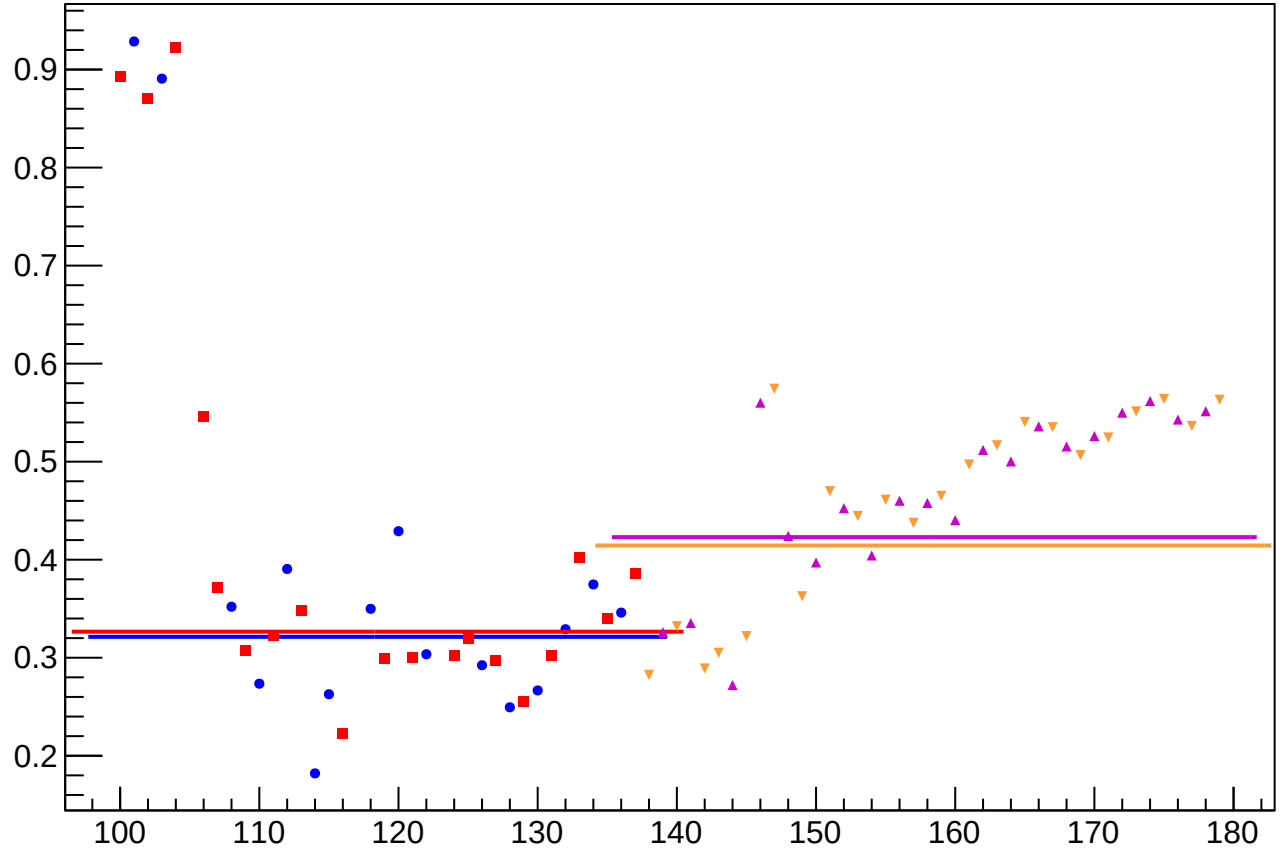
Left In: 147.508+/-0.000 χ^2/NDF:306420969.8/19

+ sign 146.451+/-0.000 χ^2/NDF: 4294817421.6/37

All: 146.331+/-0.000 χ^2/NDF: 9248851979.6

- sign 146.203+/-0.000 χ^2/NDF: 4949572093.0/38

yield_bcm_an_ds_rms vs Slug



Right In: 0.321+/-0.000 χ^2/NDF: 1396250.7/15

Left Out: 0.414+/-0.000 χ^2/NDF:1916312.6/21

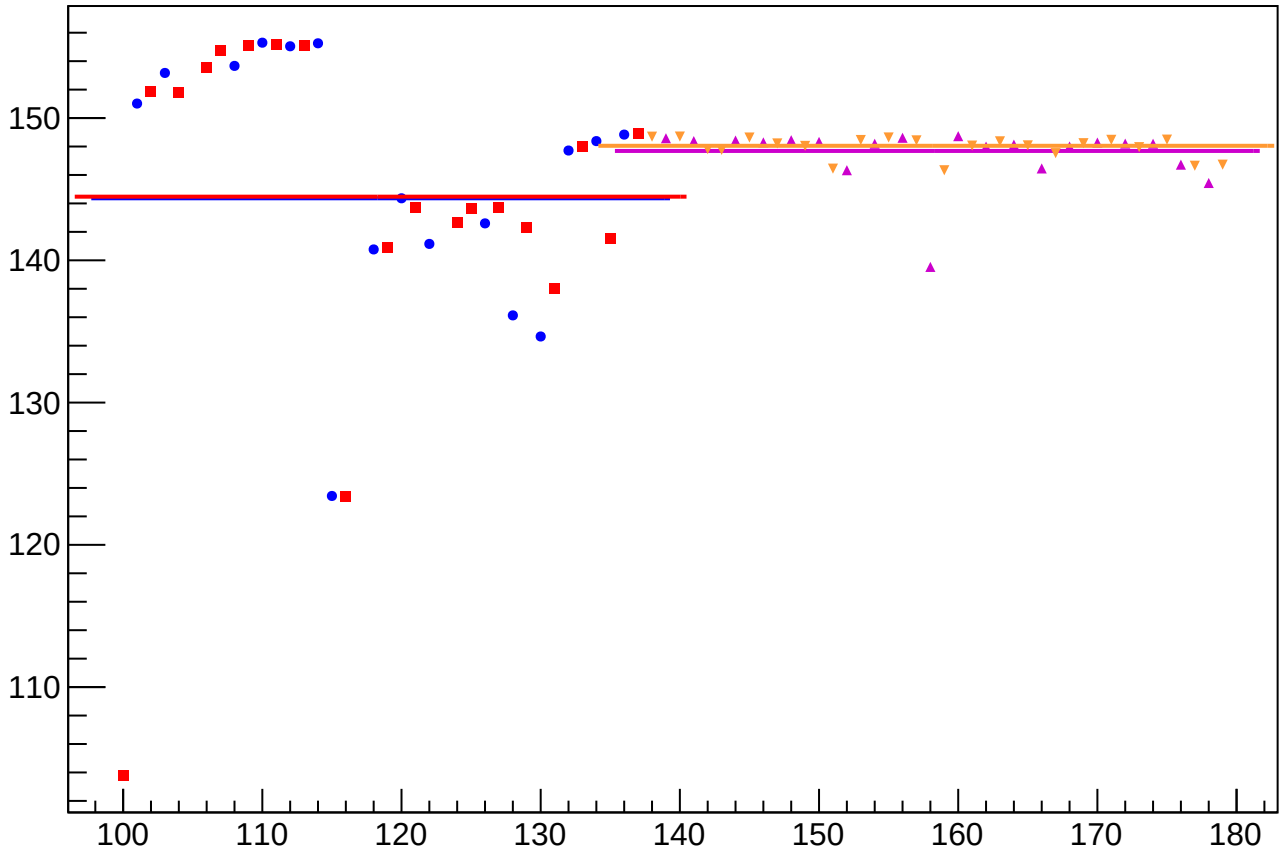
Right Out: 0.327+/-0.000 χ^2/NDF: 1302732.4/18

Left In: 0.423+/-0.000 χ^2/NDF:1512596.5/19

+ sign 0.379+/-0.000 χ^2/NDF: 3930101.9/37

All: 0.381+/-0.000 χ^2/NDF: 7381910.7/76

- sign 0.384+/-0.000 χ^2/NDF: 3447905.7/38



Right In: 144.361+/-0.000 χ^2/NDF: 3758625293.6/15

Left Out: 148.051+/-0.000 χ^2/NDF:44872652.6/21

Right Out: 144.475+/-0.000 χ^2/NDF: 4281975463.8/18

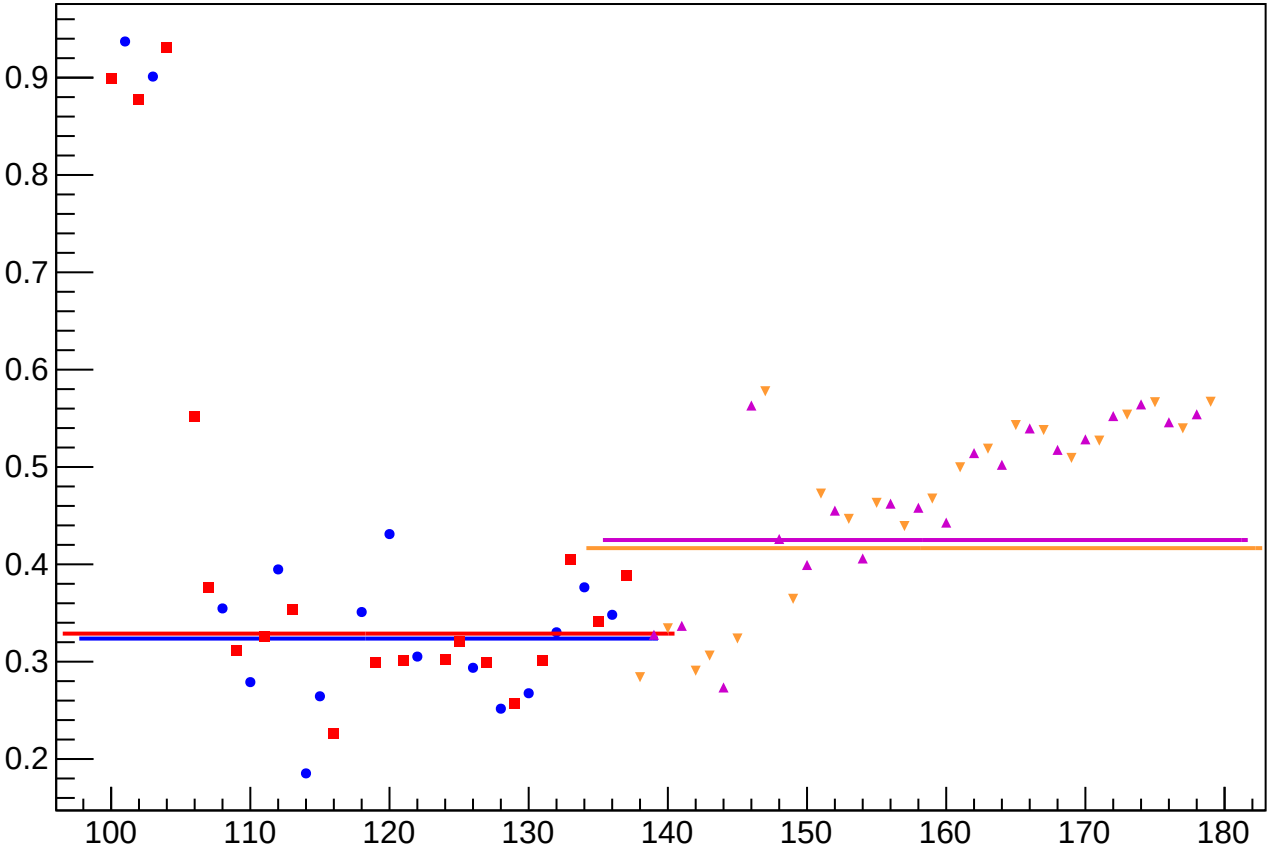
Left In: 147.688+/-0.000 χ^2/NDF:311204950.9/19

+ sign 146.641+/-0.000 χ^2/NDF: 4281448531.2/37

All: 146.519+/-0.000 χ^2/NDF: 9226153673.8

- sign 146.390+/-0.000 χ^2/NDF: 4940193918.8/38

yield_bcm_an_ds3_rms vs Slug



Right In: 0.324+/-0.000 χ^2/NDF: 1392377.9/15

Left Out: 0.417+/-0.000 χ^2/NDF:1914371.6/21

Right Out: 0.329+/-0.000 χ^2/NDF: 1303222.2/18

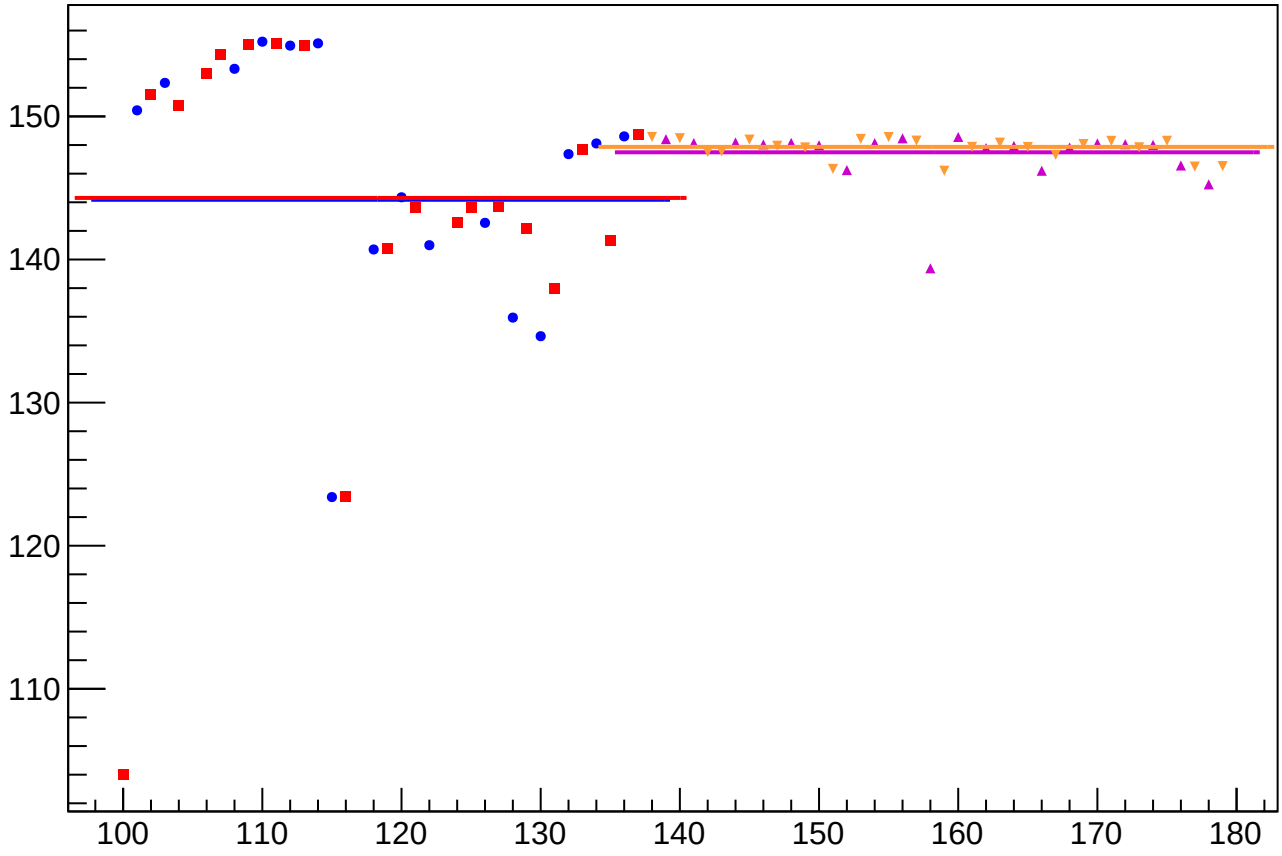
Left In: 0.425+/-0.000 χ^2/NDF:1511808.3/19

+ sign 0.381+/-0.000 χ^2/NDF: 3912880.1/37

All: 0.384+/-0.000 χ^2/NDF: 7352814.4/76

- sign 0.386+/-0.000 χ^2/NDF: 3436316.2/38

yield_bcm_an_us_mean vs Slug



Right In: 144.176+/-0.000 χ^2/NDF: 3724747268.7/15

Left Out: 147.871+/-0.000 χ^2/NDF:44817551.1/21

Right Out: 144.304+/-0.000 χ^2/NDF: 4264494940.7/18

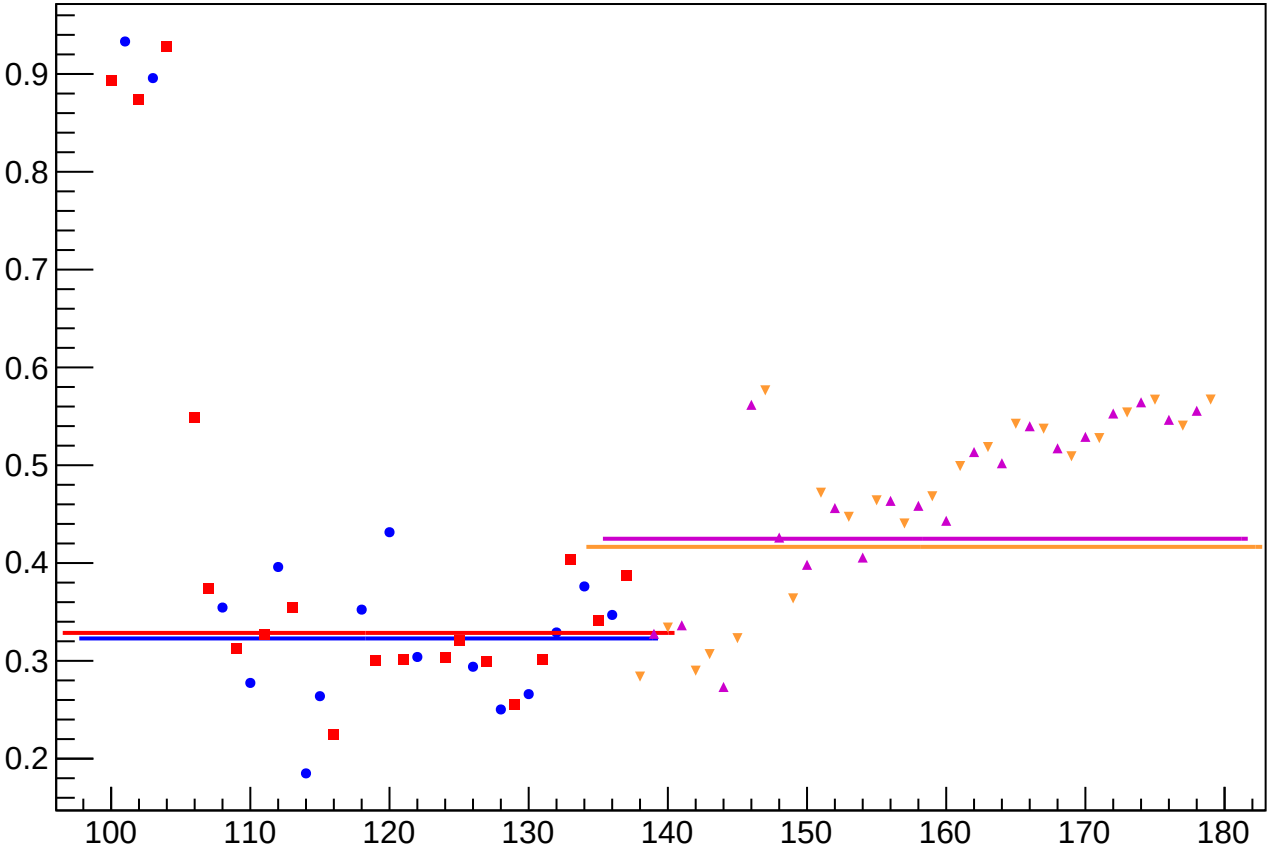
Left In: 147.493+/-0.000 χ^2/NDF:306018280.1/19

+ sign 146.455+/-0.000 χ^2/NDF: 4250166124.5/37

All: 146.334+/-0.000 χ^2/NDF: 9167248774.7

- sign 146.204+/-0.000 χ^2/NDF: 4912537533.9/38

yield_bcm_an_us_rms vs Slug



Right In: 0.323+/-0.000 χ^2/NDF: 1396024.1/15

Left Out: 0.417+/-0.000 χ^2/NDF:1919213.7/21

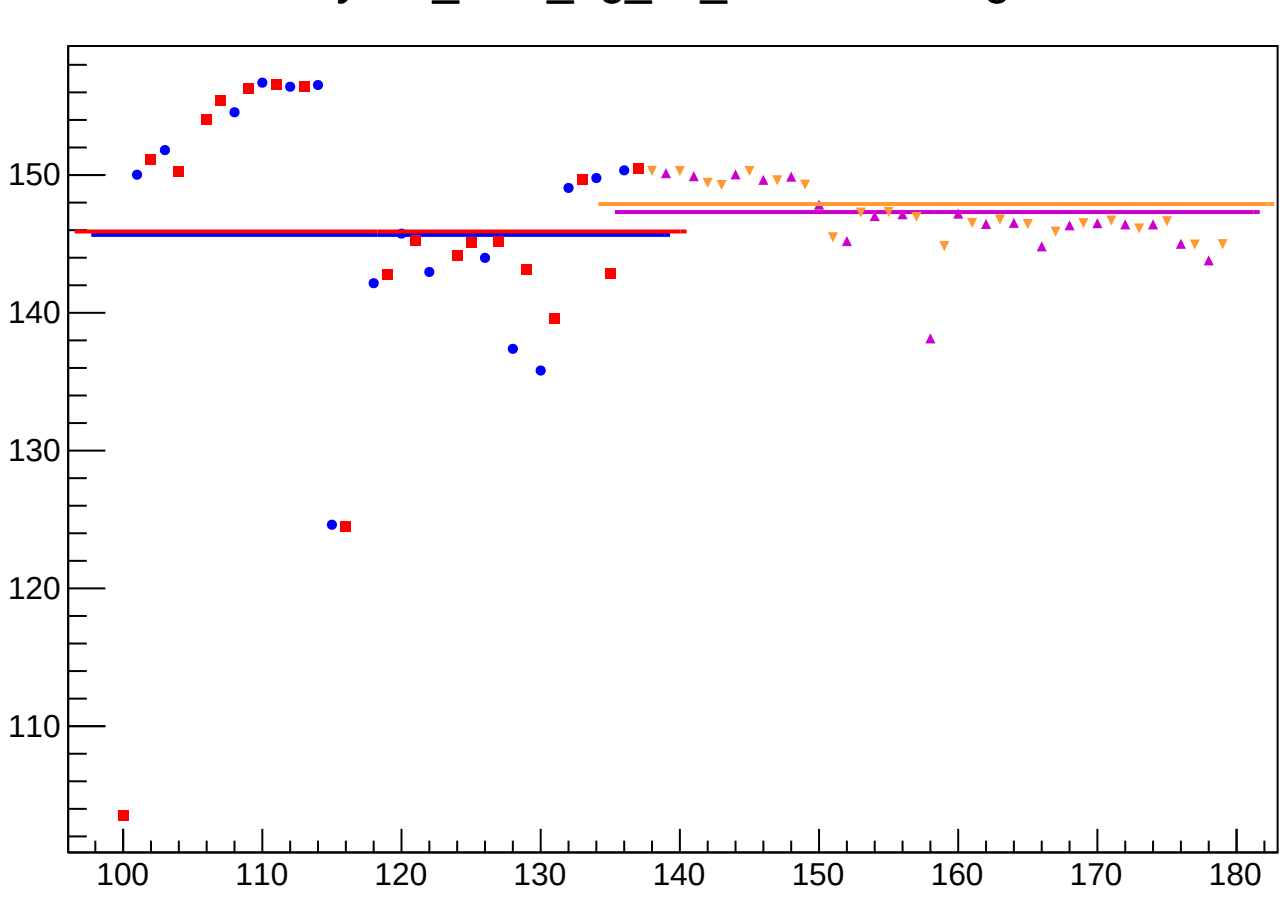
Right Out: 0.329+/-0.000 χ^2/NDF: 1304148.7/18

Left In: 0.425+/-0.000 χ^2/NDF:1519236.7/19

+ sign 0.381+/-0.000 χ^2/NDF: 3932667.1/37

All: 0.383+/-0.000 χ^2/NDF: 7383571.3/76

- sign 0.386+/-0.000 χ^2/NDF: 3446901.8/38



Right In: 145.657+/-0.000 χ^2/NDF: 3481495345.2/15

Left Out: 147.895+/-0.000 χ^2/NDF:314302050.8/21

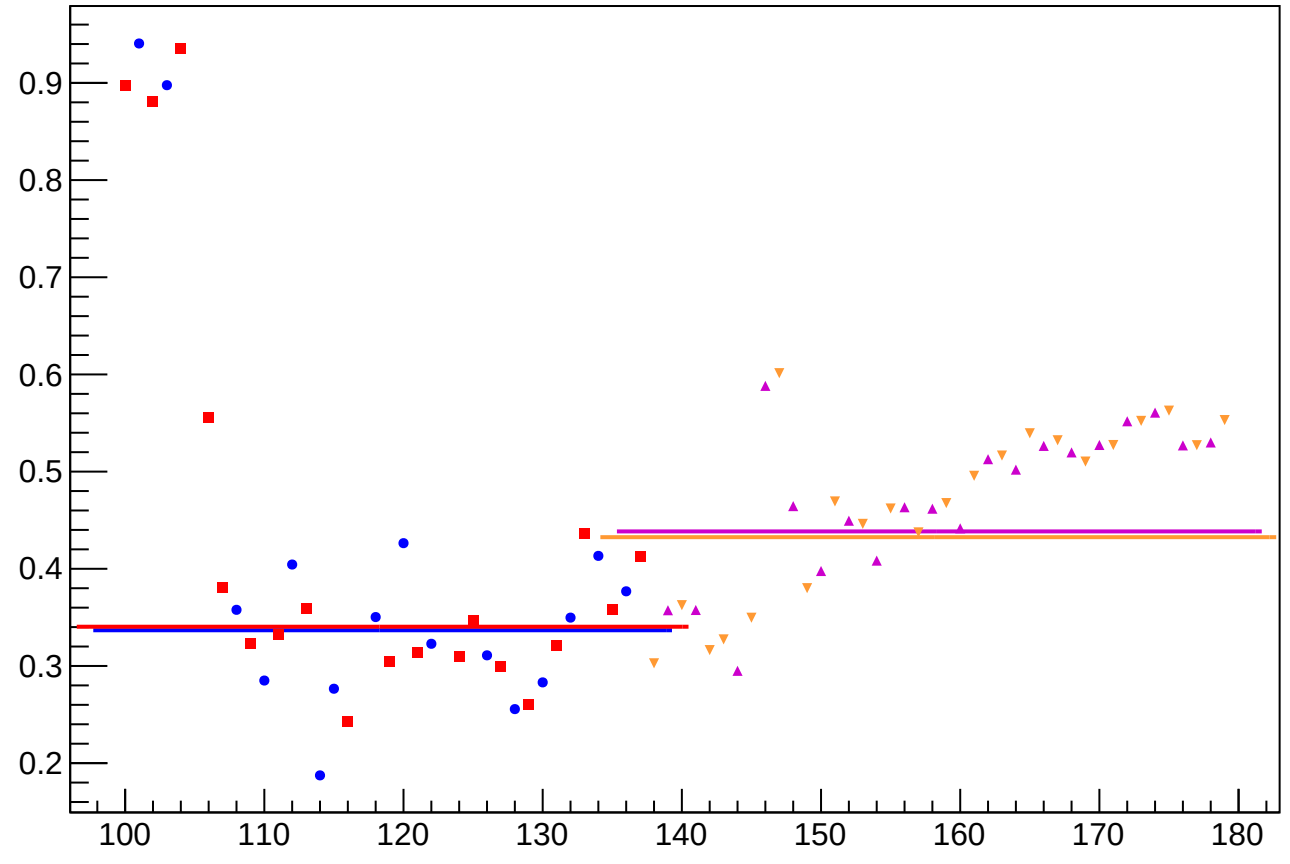
Right Out: 145.904+/-0.000 χ^2/NDF: 3863011865.2/18

Left In: 147.314+/-0.000 χ^2/NDF:612569975.3/19

+ sign 147.049+/-0.000 χ^2/NDF: 3959272468.8/37

All: 146.904+/-0.000 χ^2/NDF: 8503614089.7

- sign 146.751+/-0.000 χ^2/NDF: 4538341749.2/38



Right In: 0.337+/-0.000 χ^2/NDF: 1370512.1/15

Left Out: 0.433+/-0.000 χ^2/NDF:1415310.9/21

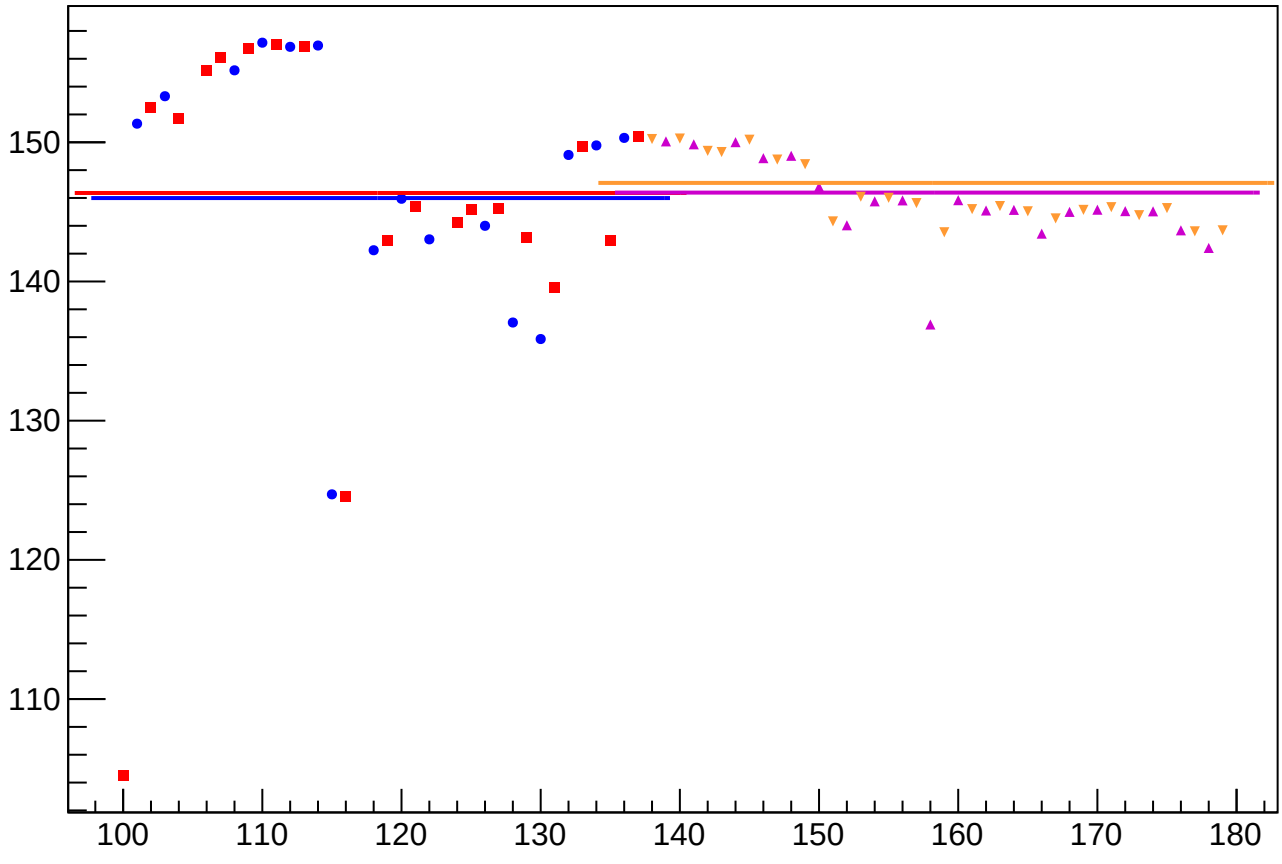
Right Out: 0.340+/-0.000 χ^2/NDF: 1274717.4/18

Left In: 0.438+/-0.000 χ^2/NDF:1130236.6/19

+ sign 0.396+/-0.000 χ^2/NDF: 3384426.0/37

All: 0.398+/-0.000 χ^2/NDF: 6398303.2/76

- sign 0.399+/-0.000 χ^2/NDF: 3012679.1/38



Right In: 145.993+/-0.000 χ^2/NDF: 3621634656.4/15

Left Out: 147.082+/-0.000 χ^2/NDF:518826626.7/21

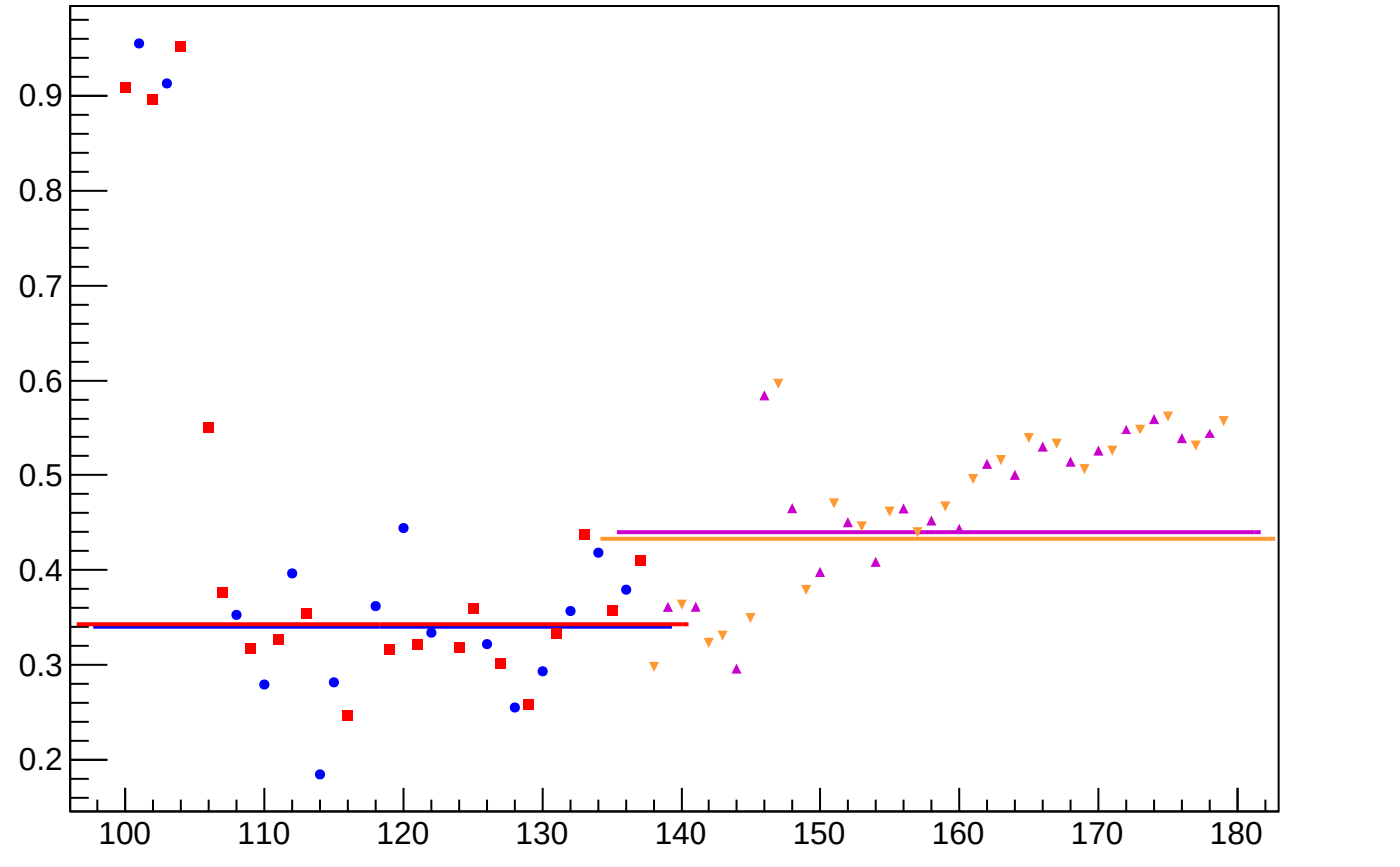
Right Out: 146.358+/-0.000 χ^2/NDF: 3963122316.1/18

Left In: 146.385+/-0.000 χ^2/NDF:812477040.9/19

+ sign 146.676+/-0.000 χ^2/NDF: 4178607177.2/37

All: 146.529+/-0.000 χ^2/NDF: 8960308059.8

- sign 146.375+/-0.000 χ^2/NDF: 4775622061.7/38



Right In: 0.340+/-0.000 χ^2/NDF: 1393222.3/15

Left Out: 0.433+/-0.000 χ^2/NDF:1405892.0/21

Right Out: 0.343+/-0.000 χ^2/NDF: 1270731.2/18

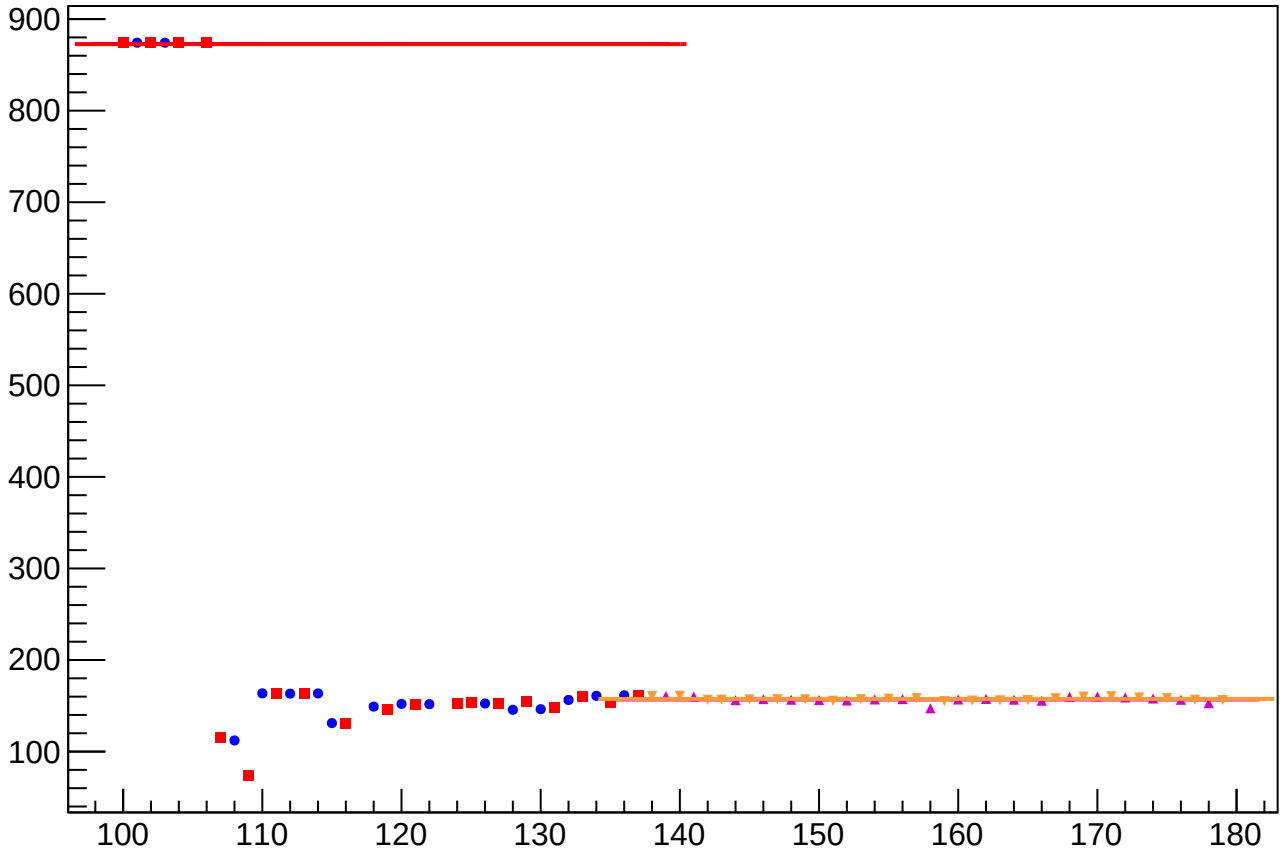
Left In: 0.440+/-0.000 χ^2/NDF:1104460.7/19

+ sign 0.398+/-0.000 χ^2/NDF: 3349164.2/37

All: 0.400+/-0.000 χ^2/NDF: 6311930.5/76

- sign 0.401+/-0.000 χ^2/NDF: 2961555.7/38

yield_cav4bQ_mean vs Slug



Right In: 872.822+/-0.000 χ^2/NDF: 7191496833472.3/15

Left Out: 157.487+/-0.000 χ^2/NDF:95620728.2/21

Right Out: 872.676+/-0.000 χ^2/NDF: 9167298490018.9/18

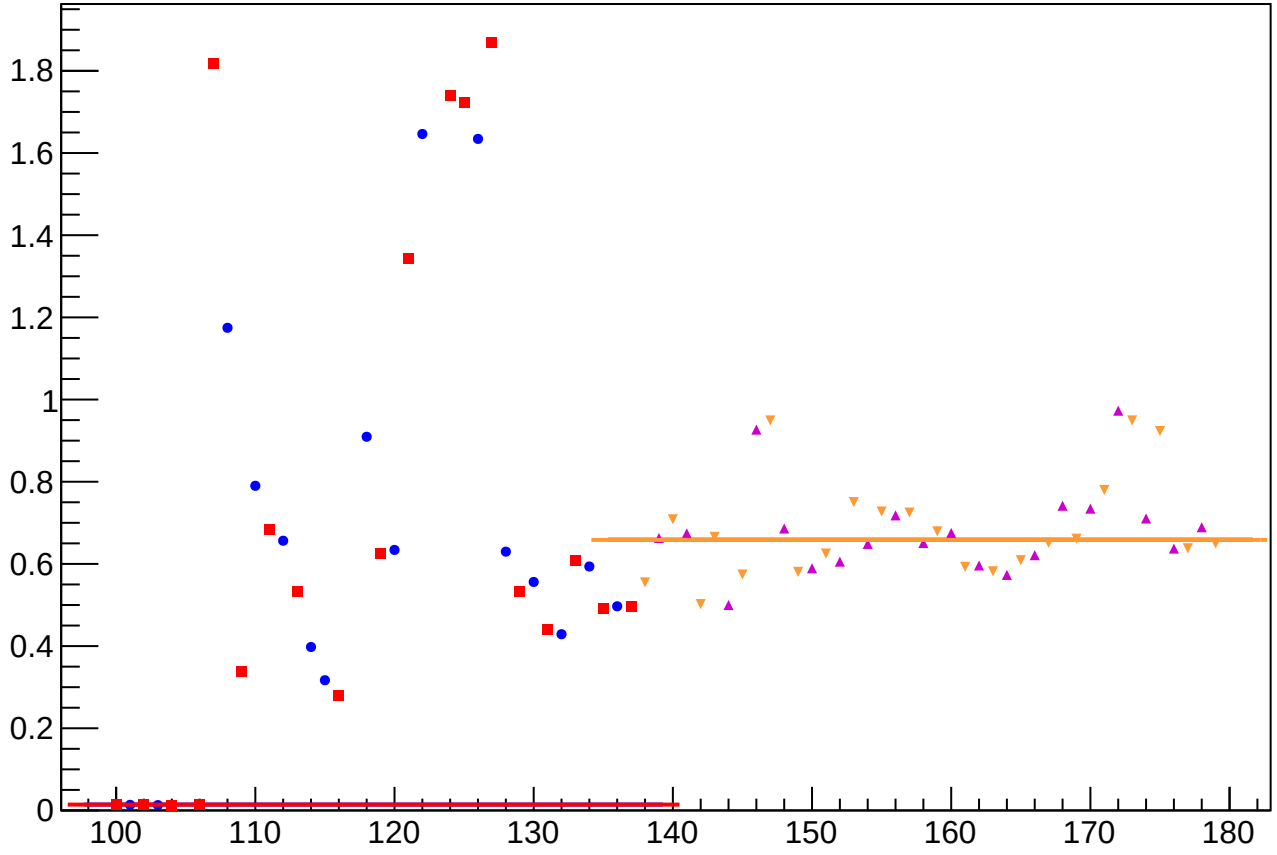
Left In: 156.882+/-0.000 χ^2/NDF:227209094.8/19

+ sign 869.736+/-0.000 χ^2/NDF: 22920872676629.

All: 869.969+/-0.000 χ^2/NDF: 468050116663

- sign 870.171+/-0.000 χ^2/NDF: 23883412054191.1

yield_cav4bQ_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 9622176.3/15

Left Out: 0.658+/-0.000 χ^2/NDF:607042.7/21

Right Out: 0.014+/-0.000 χ^2/NDF: 9410025.7/18

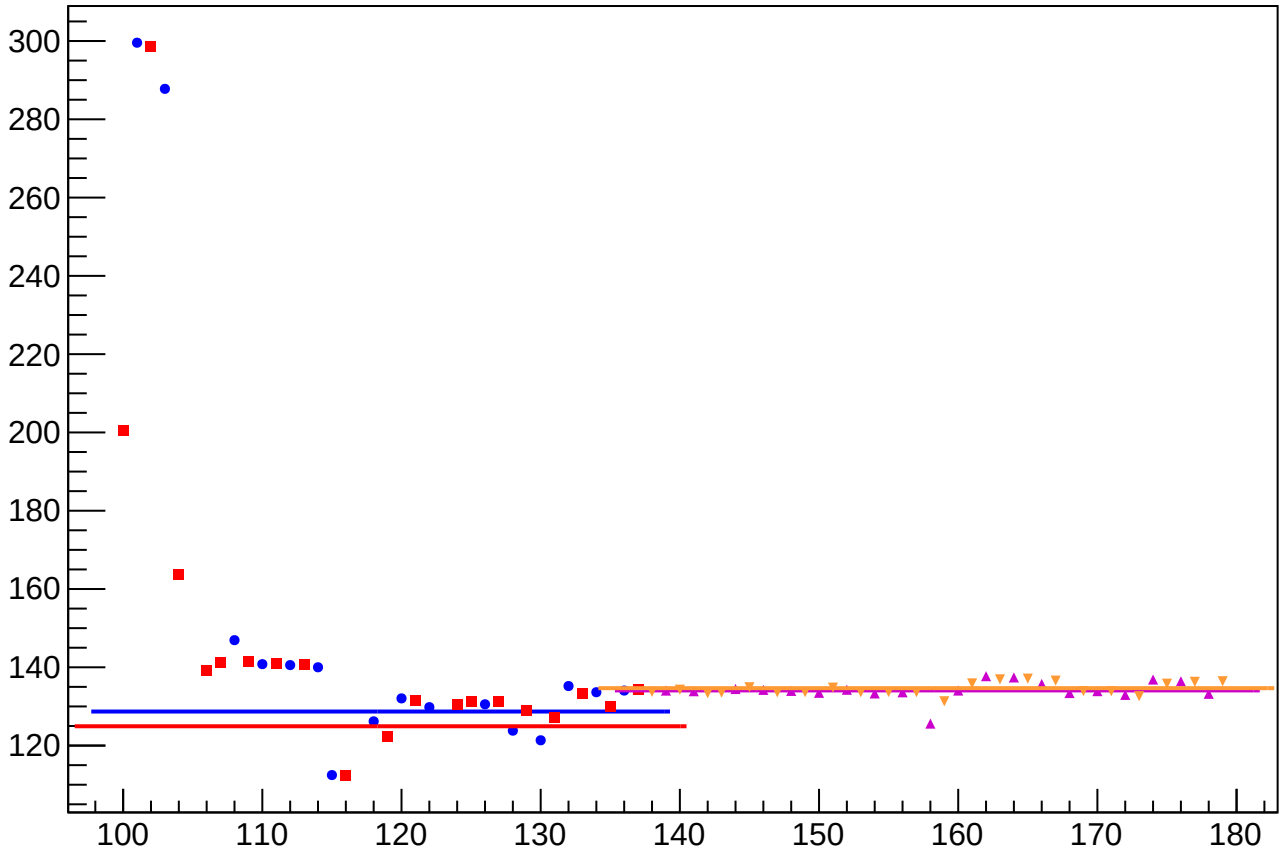
Left In: 0.659+/-0.000 χ^2/NDF:464583.5/19

+ sign 0.017+/-0.000 χ^2/NDF: 35731124.7/37

All: 0.017+/-0.000 χ^2/NDF: 69495468.0/76

- sign 0.016+/-0.000 χ^2/NDF: 33760971.3/38

yield_cav4cQ_mean vs Slug



Right In: 128.701+/-0.000 χ^2/NDF: 1656162604.0/15

Left Out: 134.668+/-0.000 χ^2/NDF:148739705.3/21

Right Out: 124.935+/-0.000 χ^2/NDF: 1397923053.7/18

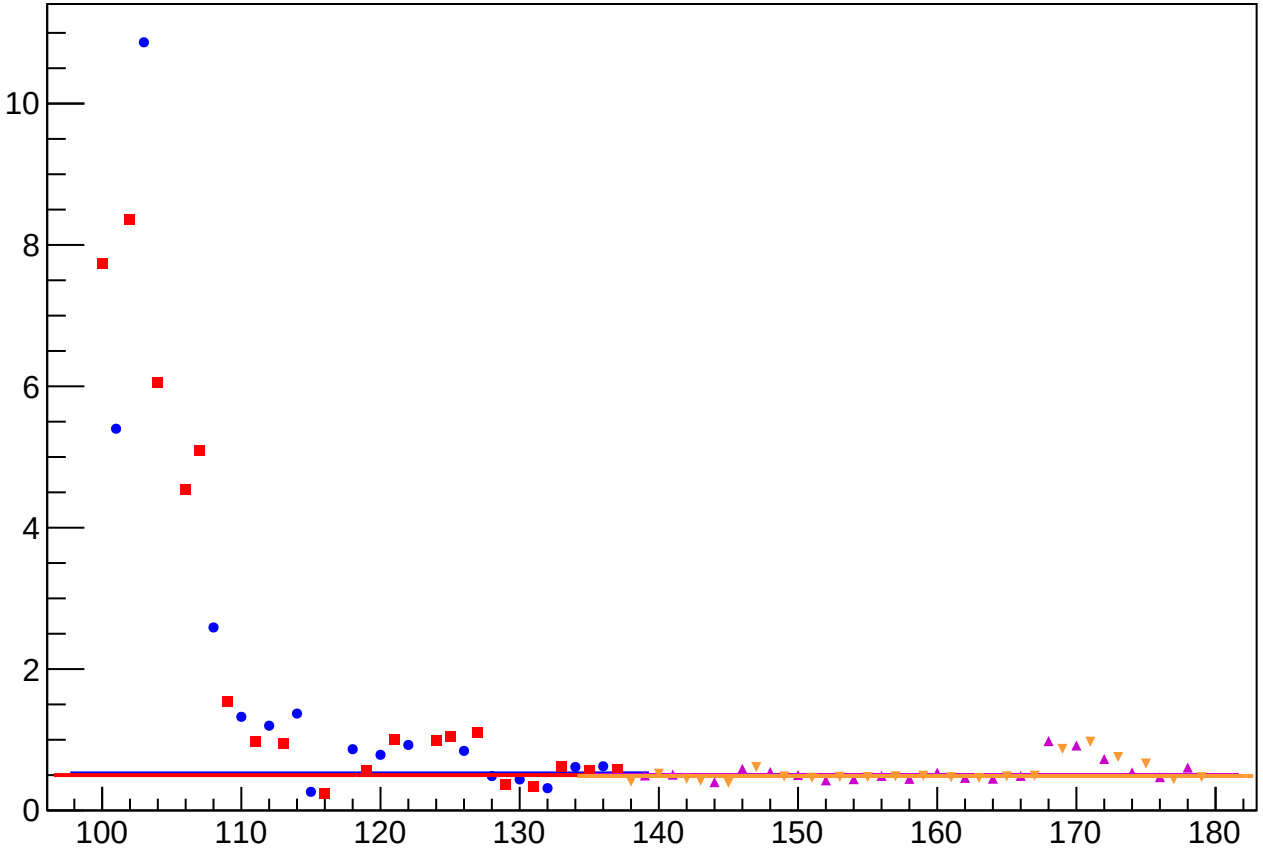
Left In: 134.094+/-0.000 χ^2/NDF:410349083.9/19

+ sign 133.629+/-0.000 χ^2/NDF: 2198030276.3/37

All: 132.974+/-0.000 χ^2/NDF: 5015903803.3

- sign 132.254+/-0.000 χ^2/NDF: 2748752915.9/38

yield_cav4cQ_rms vs Slug



Right In: 0.524+/-0.000 χ^2/NDF: 4138409.3/15

Left Out: 0.487+/-0.000 χ^2/NDF:1166430.8/21

Right Out: 0.501+/-0.000 χ^2/NDF: 4884137.3/18

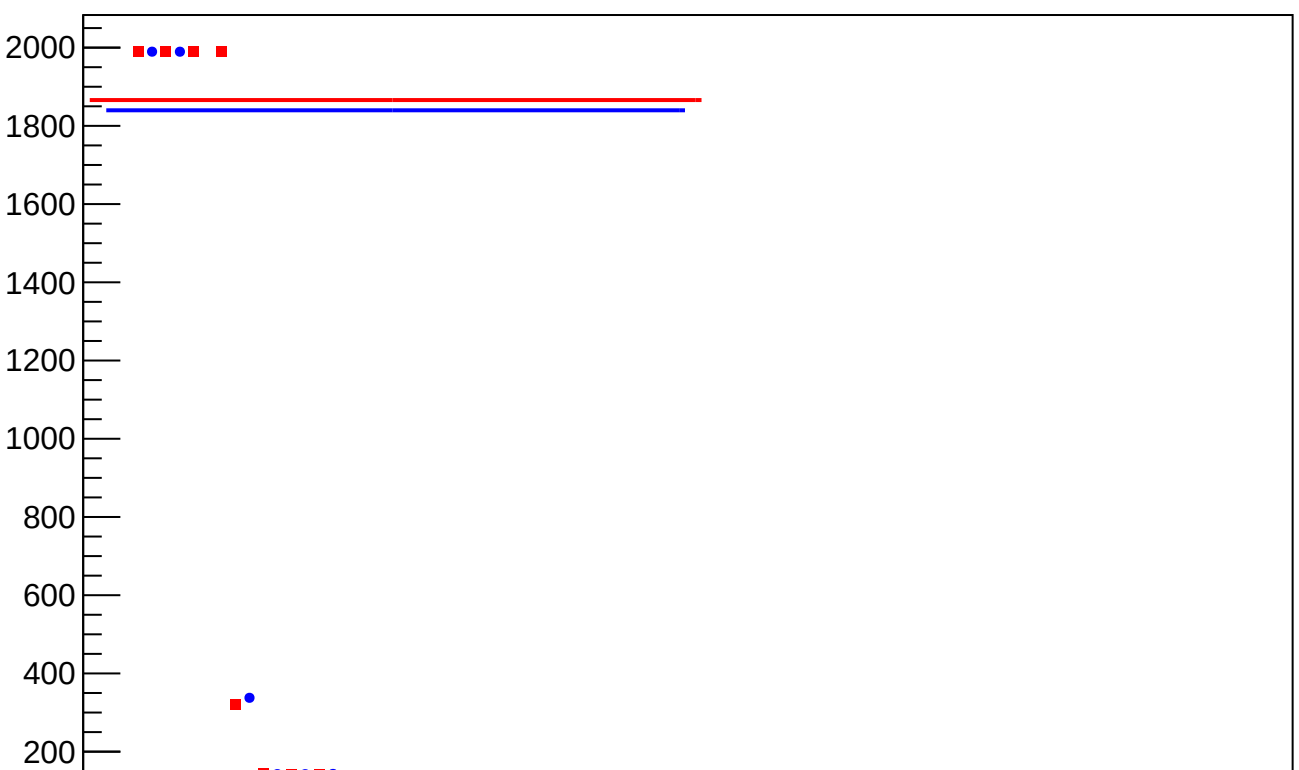
Left In: 0.502+/-0.000 χ^2/NDF:1135855.0/19

\+ sign 0.494+/-0.000 χ^2/NDF: 5334524.7/37

All: 0.497+/-0.000 χ^2/NDF: 11359044.3/76

\- sign 0.502+/-0.000 χ^2/NDF: 6020032.2/38

yield_cav4dQ_mean vs Slug



Right In: 1839.782+/-0.000 χ^2/NDF: 145916014549797.4/15

Left Out: 137.558+/-0.000 χ^2/NDF:62966106.8/21

Right Out: 1865.968+/-0.000 χ^2/NDF: 142769122276045.8/18

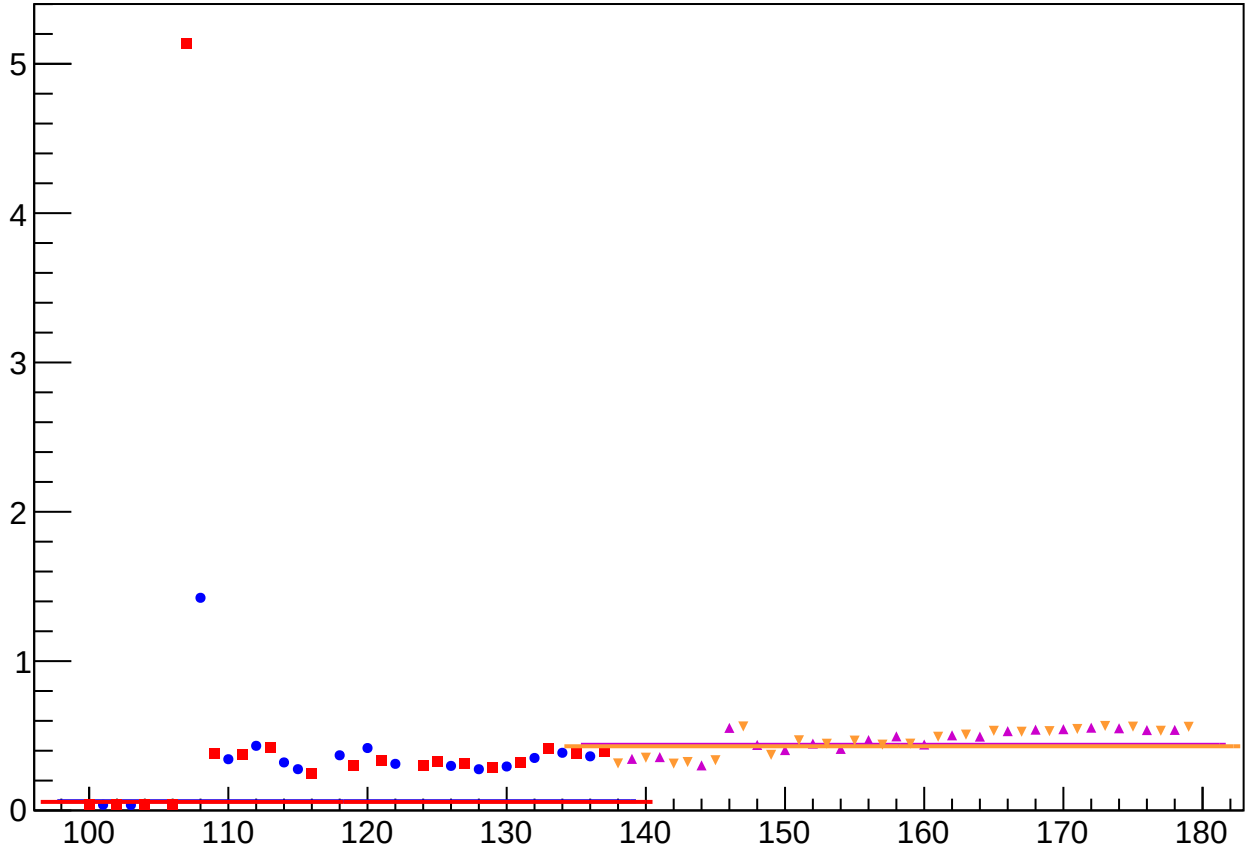
Left In: 137.292+/-0.000 χ^2/NDF:242918033.8/19

+ sign 1612.706+/-0.000 χ^2/NDF: 3663664858849

All: 1649.863+/-0.000 χ^2/NDF: 721831941

- sign 1682.690+/-0.000 χ^2/NDF: 35375410614080

yield_cav4dQ_rms vs Slug



Right In: 0.062+/-0.000 χ^2/NDF: 8173578.9/15

Left Out: 0.430+/-0.000 χ^2/NDF:1452596.3/21

Right Out: 0.057+/-0.000 χ^2/NDF: 7741927.9/18

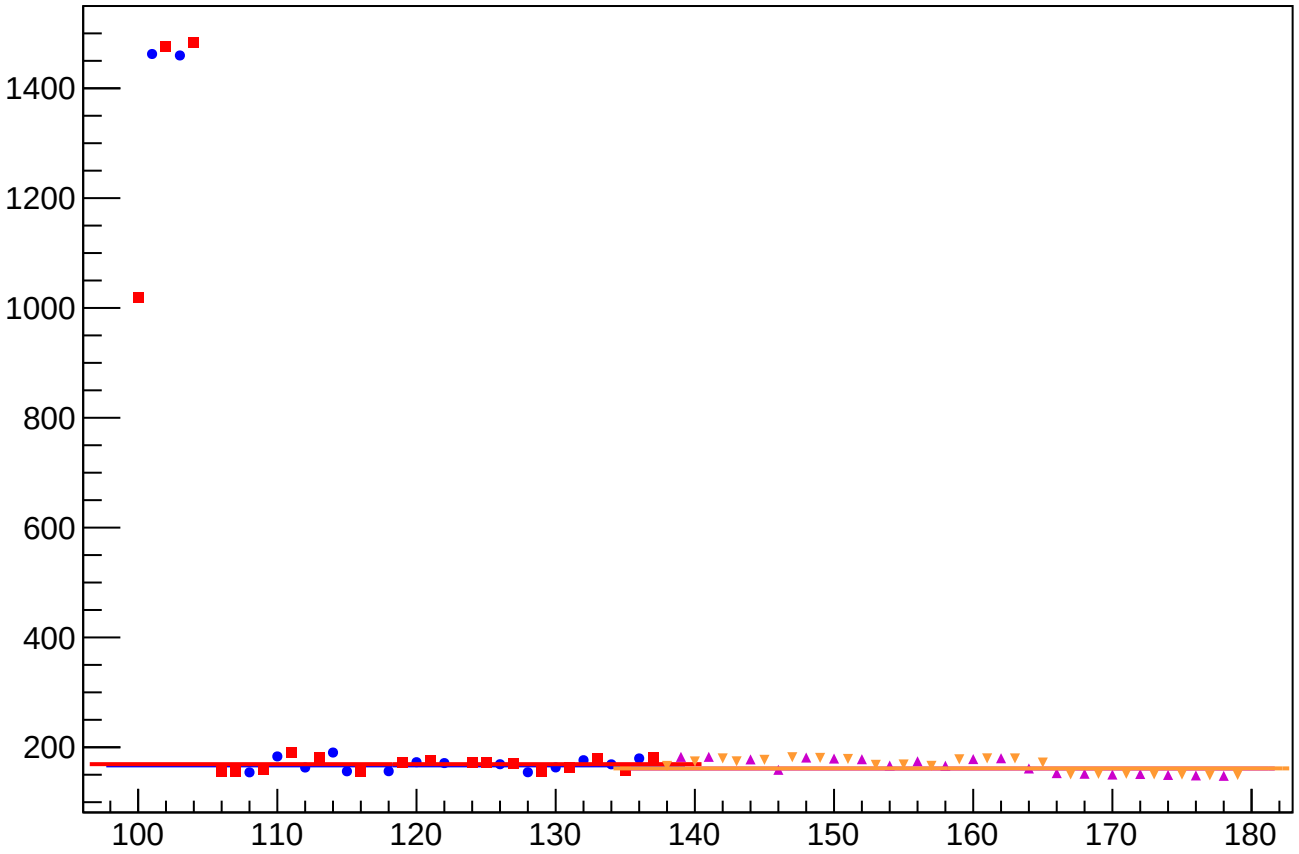
Left In: 0.440+/-0.000 χ^2/NDF:1123167.3/19

+ sign 0.111+/-0.000 χ^2/NDF: 30241050.8/37

All: 0.104+/-0.000 χ^2/NDF: 59872370.0/76

- sign 0.098+/-0.000 χ^2/NDF: 29512406.8/38

yield_bcm0l02_mean vs Slug



Right In: 167.017+/-0.000 χ^2/NDF: 14614977518.5/15

Left Out: 161.547+/-0.000 χ^2/NDF:3466290501.4/21

Right Out: 169.257+/-0.000 χ^2/NDF: 16317542946.8/18

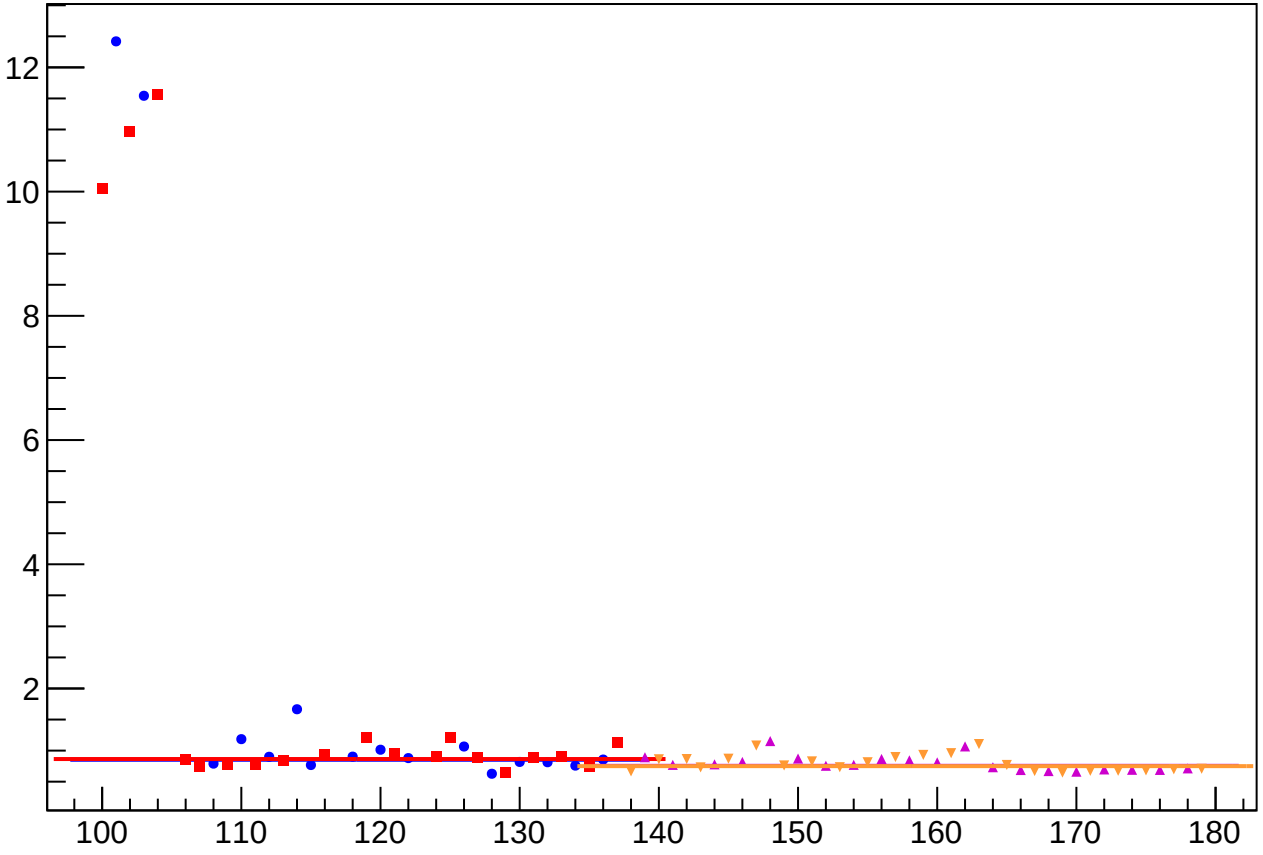
Left In: 161.229+/-0.000 χ^2/NDF:3437292498.1/19

+ sign 162.590+/-0.000 χ^2/NDF: 18209506837.7/37

All: 162.741+/-0.000 χ^2/NDF: 38243707179.

- sign 162.901+/-0.000 χ^2/NDF: 20032894785.2/38

yield_bcm0l02_rms vs Slug



Right In: 0.853+/-0.000 χ^2/NDF: 2302297.2/15

Left Out: 0.750+/-0.000 χ^2/NDF:539105.4/21

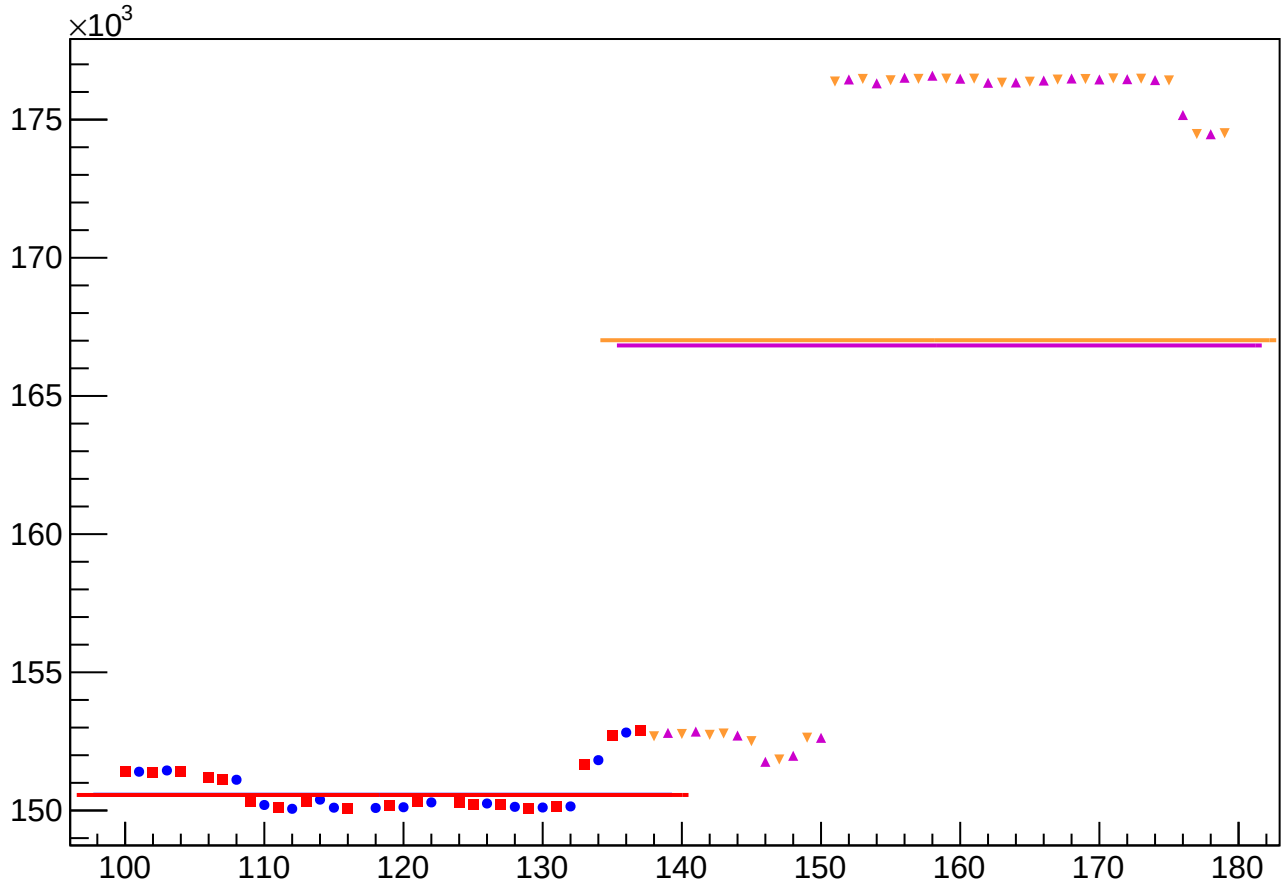
Right Out: 0.864+/-0.000 χ^2/NDF: 2209232.6/18

Left In: 0.755+/-0.000 χ^2/NDF:426036.6/19

+ sign 0.770+/-0.000 χ^2/NDF: 2932543.3/37

All: 0.774+/-0.000 χ^2/NDF: 5672510.0/76

- sign 0.778+/-0.000 χ^2/NDF: 2738084.4/38



Right In: 150568.638+/-0.055 χ^2/NDF: 237155171.8/15

Left Out: 167016.723+/-0.048 χ^2/NDF:58391880135.2721

Right Out: 150561.647+/-0.051 χ^2/NDF: 197500782.5/18

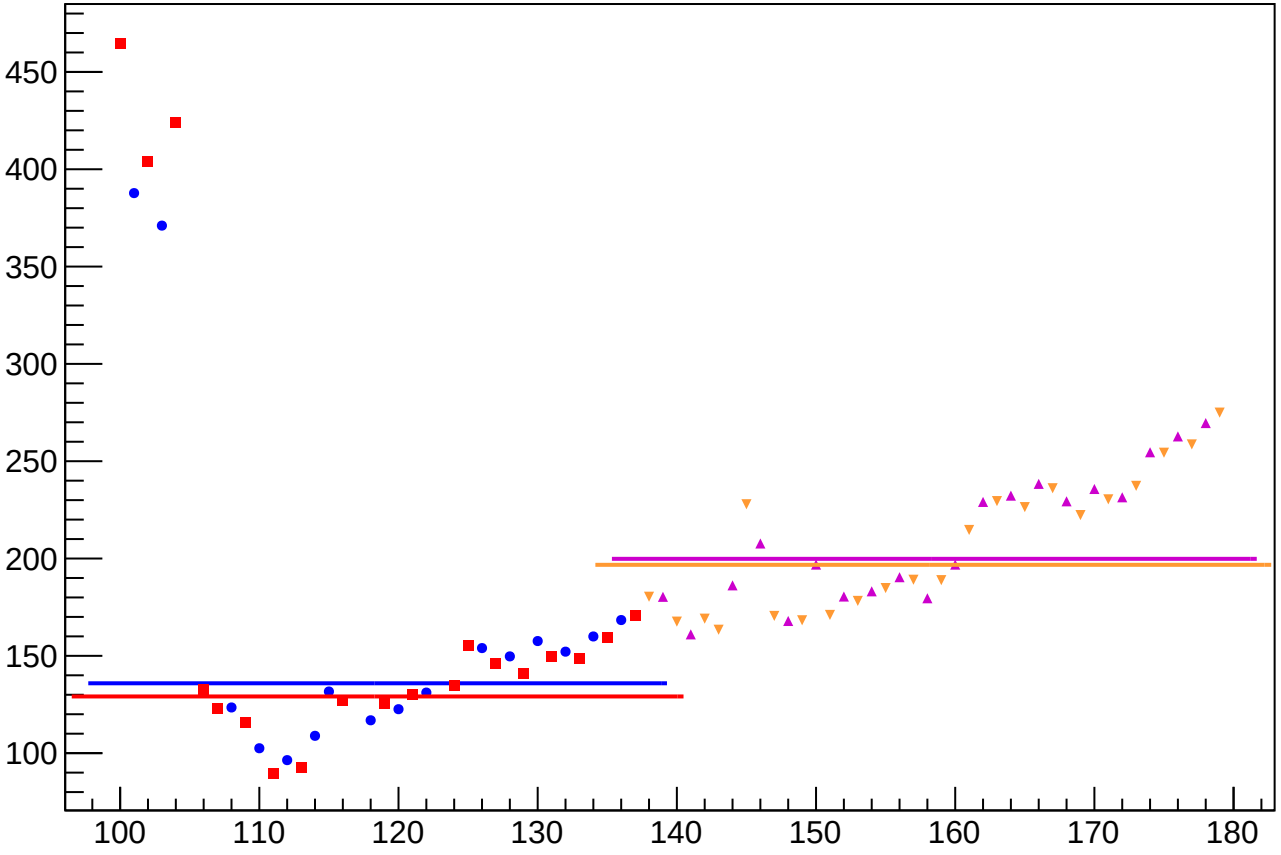
Left In: 166827.644+/-0.050 χ^2/NDF:53895361223.5/19

+ sign 159861.590+/-0.036 χ^2/NDF: 10988154145

All: 159333.074+/-0.025 χ^2/NDF: 21602994

- sign 158811.241+/-0.036 χ^2/NDF: 105720510534

yield_bpm2i01WS_rms vs Slug



Right In: 135.896+/-0.039 χ^2/NDF: 1416332.3/15

Left Out: 196.763+/-0.034 χ^2/NDF:856636.9/21

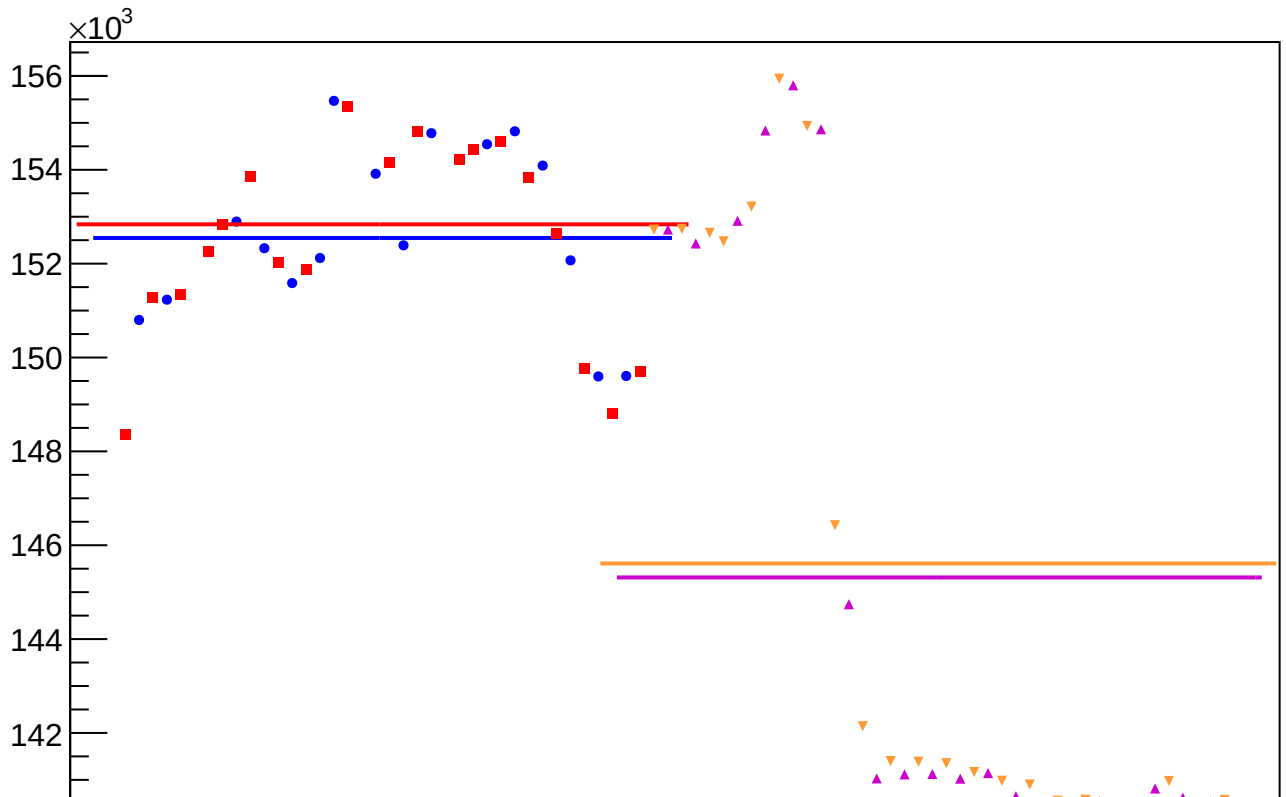
Right Out: 129.130+/-0.036 χ^2/NDF: 1614311.0/18

Left In: 199.839+/-0.036 χ^2/NDF:690653.8/19

+ sign 170.285+/-0.025 χ^2/NDF: 3676696.9/37

All: 167.621+/-0.018 χ^2/NDF: 7954543.2/76

- sign 164.991+/-0.025 χ^2/NDF: 4256105.9/38



Right In: 152546.899+/-0.073 χ^2/NDF: 654540559.6/15

Left Out: 145610.695+/-0.051 χ^2/NDF:13007976649.8/21

Right Out: 152837.888+/-0.067 χ^2/NDF: 736907066.8/18

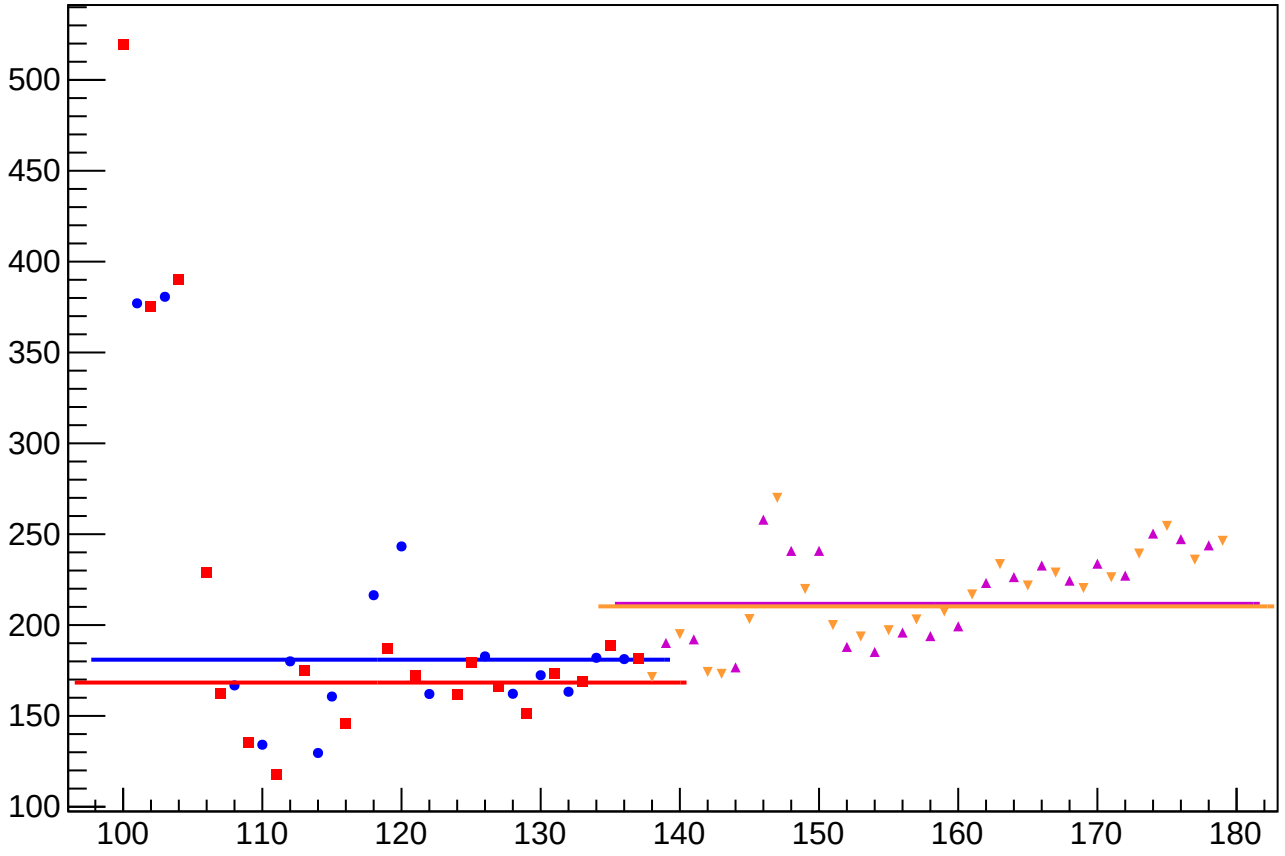
Left In: 145313.275+/-0.053 χ^2/NDF:12553646841.3/19

+ sign 147904.619+/-0.042 χ^2/NDF: 19769085001.

All: 148071.533+/-0.029 χ^2/NDF: 40882843

- sign 148236.778+/-0.042 χ^2/NDF: 21081965872.6

yield_bpm0i07WS_rms vs Slug



Right In: 180.938+/-0.051 χ^2/NDF: 907758.2/15

Left Out: 210.273+/-0.036 χ^2/NDF:478356.0/21

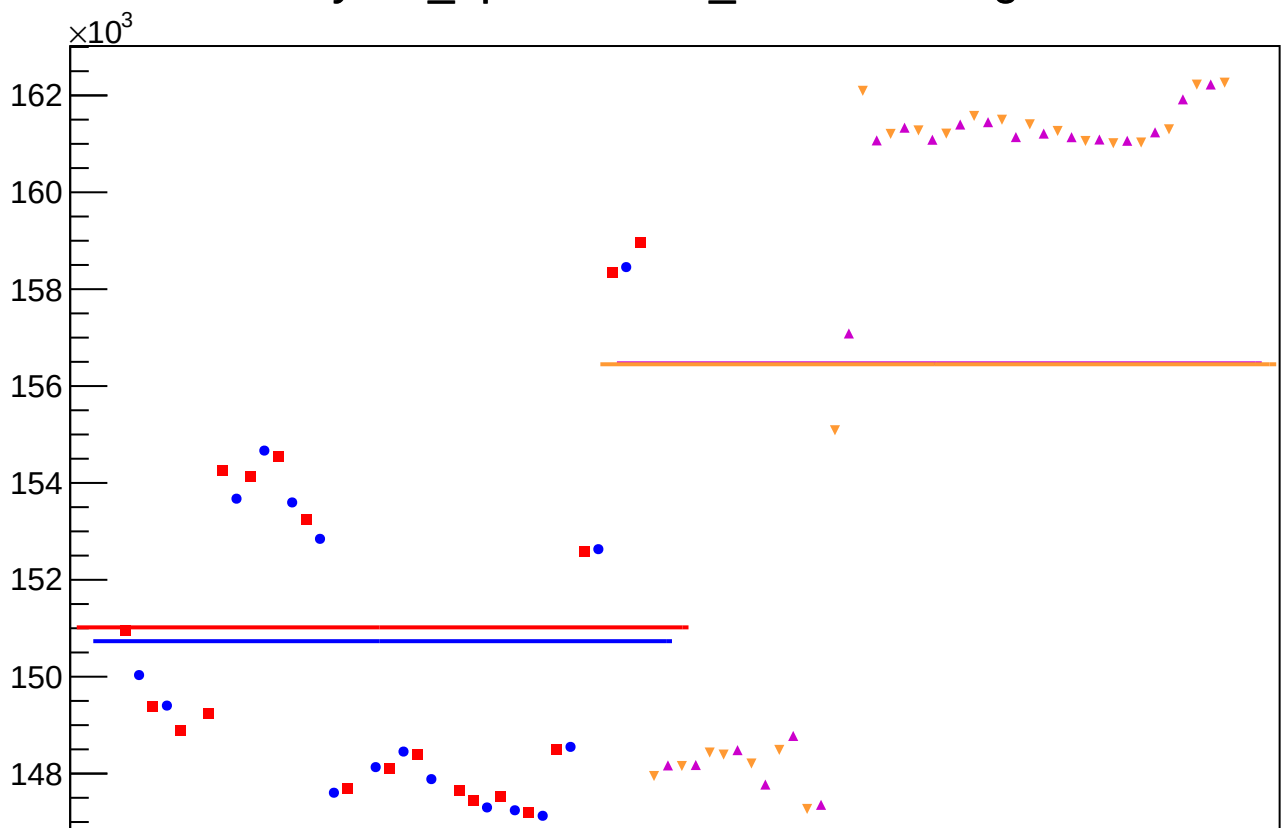
Right Out: 168.349+/-0.047 χ^2/NDF: 1089090.2/18

Left In: 211.674+/-0.038 χ^2/NDF:449316.1/19

+ sign 200.572+/-0.030 χ^2/NDF: 1604564.8/37

All: 197.692+/-0.021 χ^2/NDF: 3678492.4/76

- sign 194.841+/-0.029 χ^2/NDF: 2055000.8/38



Right In: 150733.301+/-0.063 χ^2/NDF: 3283848751.0/15

Left Out: 156449.685+/-0.050 χ^2/NDF:15659925180.9/21

Right Out: 151018.500+/-0.060 χ^2/NDF: 3286131878.7/18

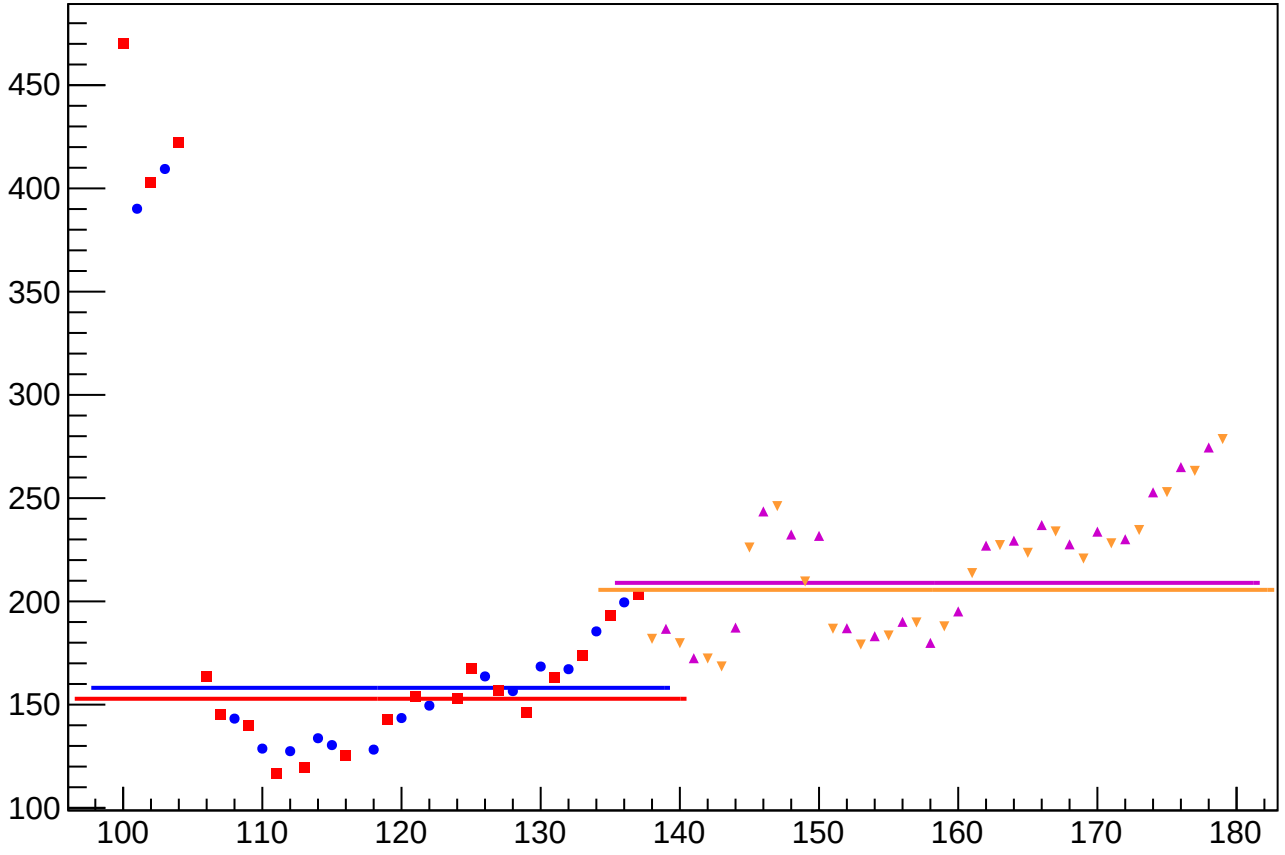
Left In: 156469.431+/-0.052 χ^2/NDF:13662342464.2/19

+ sign 154239.183+/-0.039 χ^2/NDF: 24009428838.

All: 154174.789+/-0.028 χ^2/NDF: 45634256

- sign 154109.050+/-0.040 χ^2/NDF: 21619349721.

yield_bpm0i01WS_rms vs Slug



Right In: 158.138+/-0.044 χ^2/NDF: 1195699.5/15

Left Out: 205.587+/-0.035 χ^2/NDF:671887.1/21

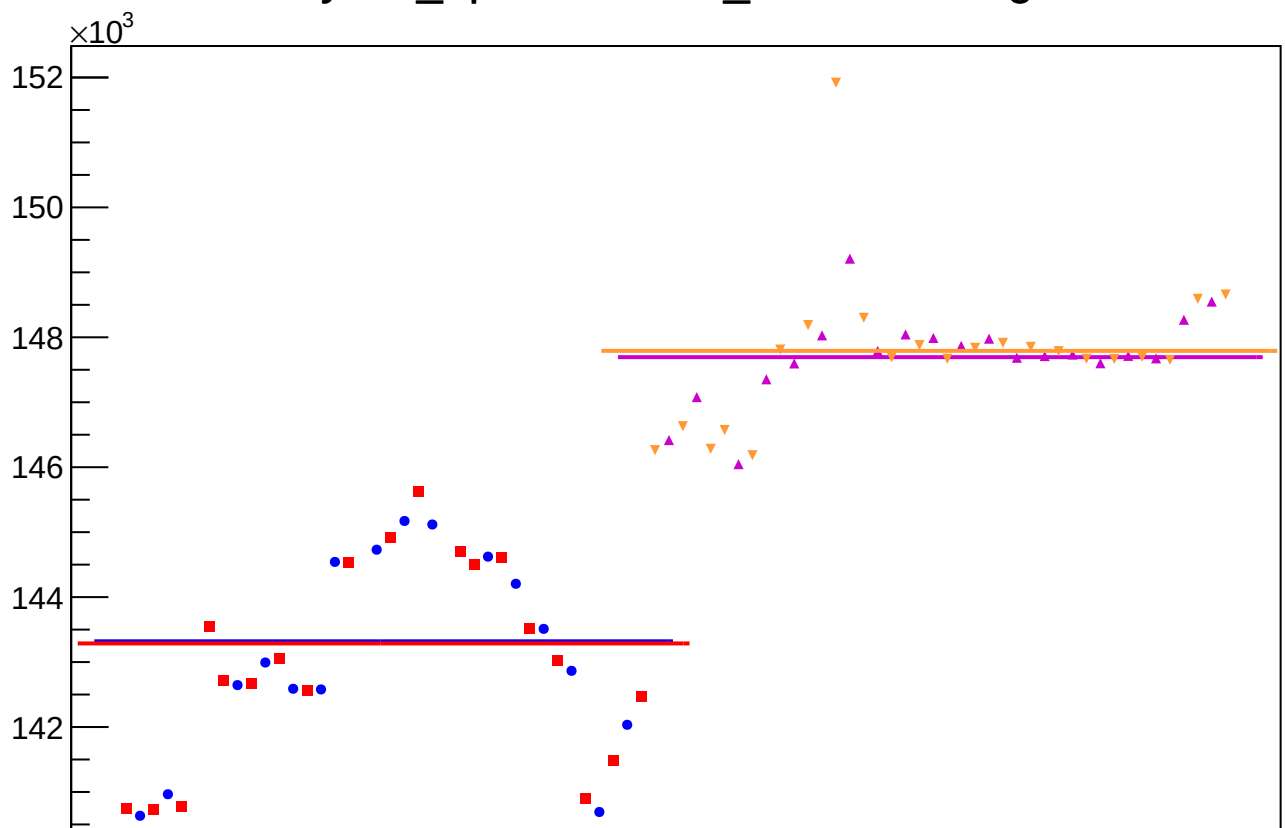
Right Out: 152.841+/-0.042 χ^2/NDF: 1264236.1/18

Left In: 208.976+/-0.037 χ^2/NDF:602643.9/19

+ sign 187.238+/-0.028 χ^2/NDF: 2565620.7/37

All: 185.967+/-0.020 χ^2/NDF: 5427488.9/76

- sign 184.668+/-0.028 χ^2/NDF: 2857594.4/38



Right In: 143319.651+/-0.053 χ^2/NDF: 559301530.7/15

Left Out: 147791.360+/-0.046 χ^2/NDF:691114895.2/21

Right Out: 143286.960+/-0.050 χ^2/NDF: 620521577.8/18

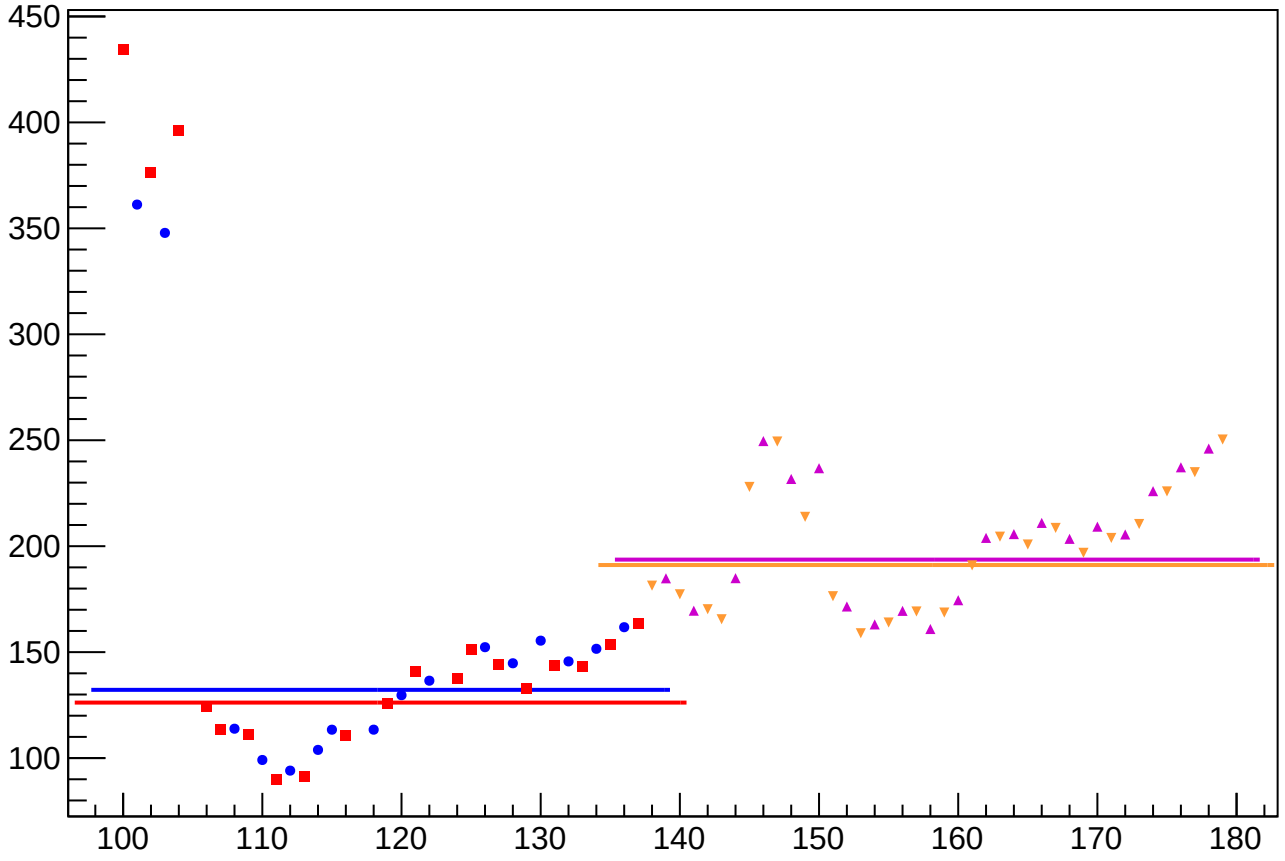
Left In: 147694.391+/-0.049 χ^2/NDF:213996250.5/19

+ sign 145855.491+/-0.035 χ^2/NDF: 5268408601.0

All: 145695.028+/-0.025 χ^2/NDF: 10156996

- sign 145536.124+/-0.035 χ^2/NDF: 4846643207.7/

yield_bpm0i01aWS_rms vs Slug



Right In: 132.204+/-0.038 χ^2/NDF: 1379168.6/15

Left Out: 191.109+/-0.033 χ^2/NDF:623000.0/21

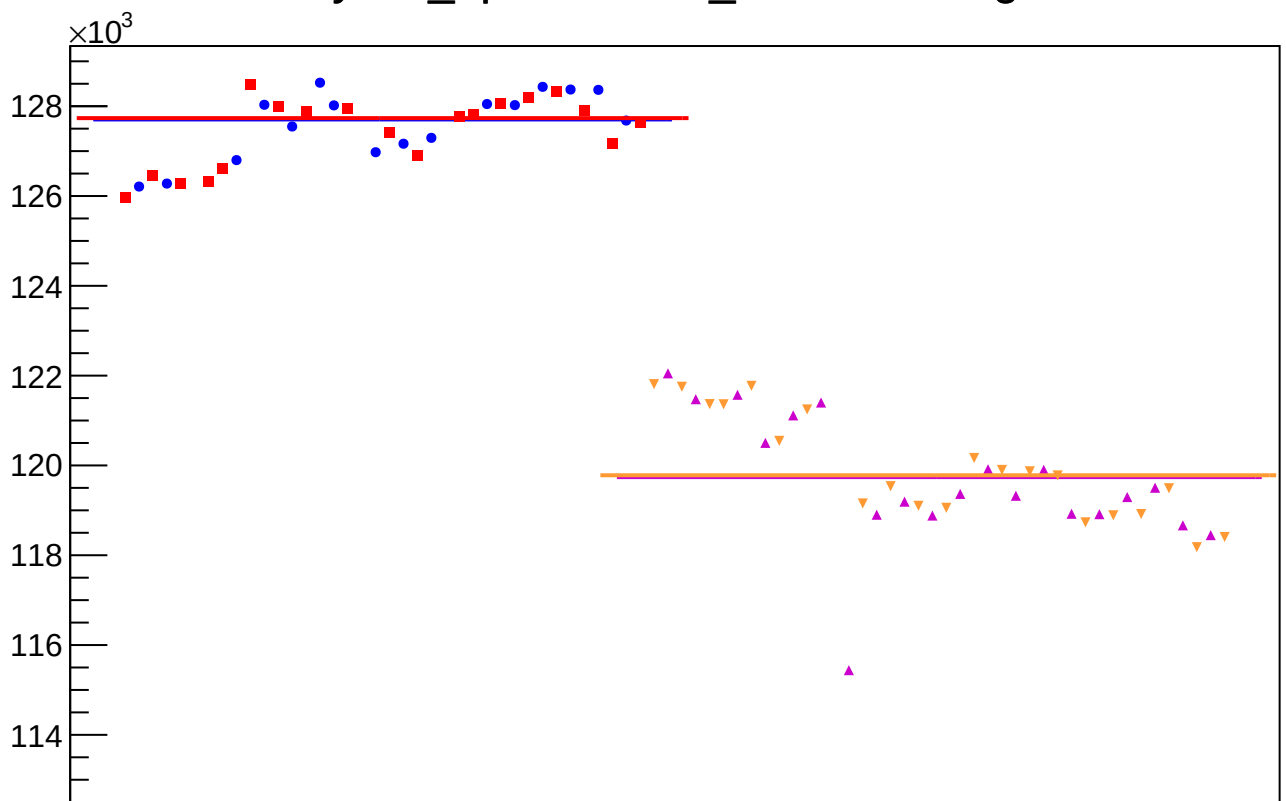
Right Out: 126.191+/-0.035 χ^2/NDF: 1545034.5/18

Left In: 193.666+/-0.034 χ^2/NDF:633390.4/19

+ sign 165.608+/-0.025 χ^2/NDF: 3396565.3/37

All: 163.104+/-0.017 χ^2/NDF: 7476130.7/76

- sign 160.625+/-0.025 χ^2/NDF: 4059140.1/38



Right In: 127705.222+/-0.058 χ^2/NDF: 104467207.7/15

Left Out: 119780.858+/-0.046 χ^2/NDF:1914251148.0/21

Right Out: 127734.542+/-0.055 χ^2/NDF: 109469333.8/18

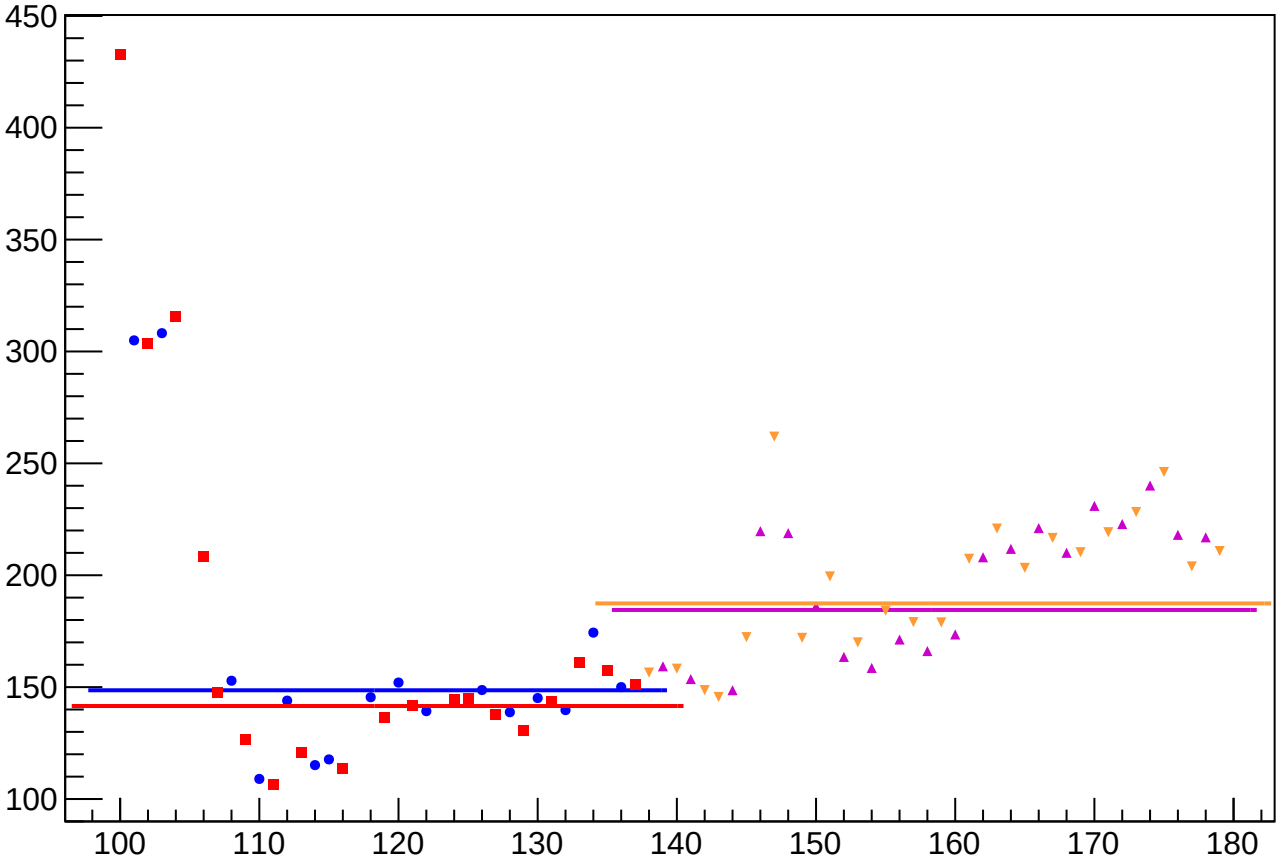
Left In: 119740.143+/-0.047 χ^2/NDF:1236813060.6/19

+ sign 122805.289+/-0.036 χ^2/NDF: 13397298700.

All: 122952.186+/-0.025 χ^2/NDF: 27076552

- sign 123094.910+/-0.036 χ^2/NDF: 13646587435.0

yield_bpm0l01WS_rms vs Slug



Right In: 148.593+/-0.041 χ^2/NDF: 827701.4/15

Left Out: 187.410+/-0.032 χ^2/NDF:802556.1/21

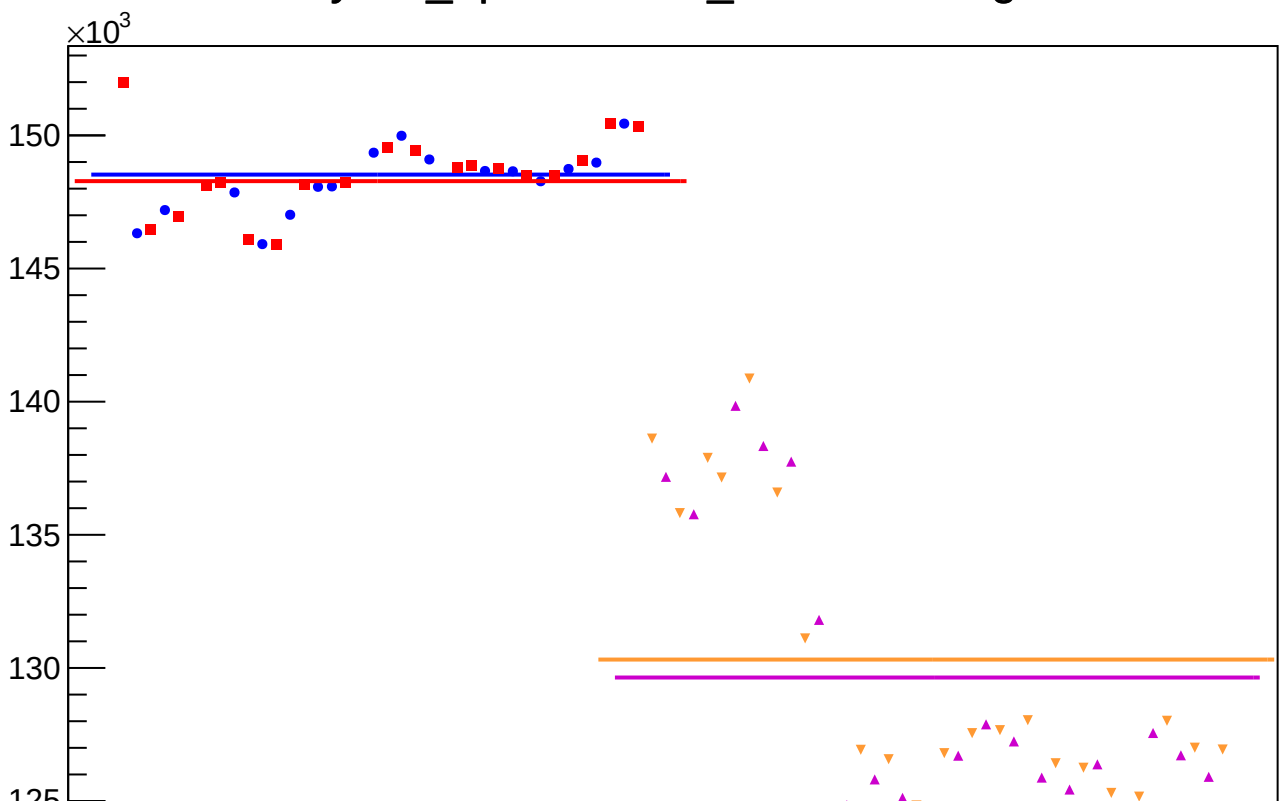
Right Out: 141.563+/-0.039 χ^2/NDF: 1001225.3/18

Left In: 184.486+/-0.033 χ^2/NDF:774724.3/19

+ sign 172.595+/-0.026 χ^2/NDF: 2176302.0/37

All: 169.490+/-0.018 χ^2/NDF: 4690622.1/76

- sign 166.474+/-0.025 χ^2/NDF: 2485140.5/38



Right In: 148527.678+/-0.082 χ^2/NDF: 209208133.0/15

Left Out: 130315.433+/-0.067 χ^2/NDF:6172080776.9/21

Right Out: 148282.003+/-0.077 χ^2/NDF: 294673557.8/18

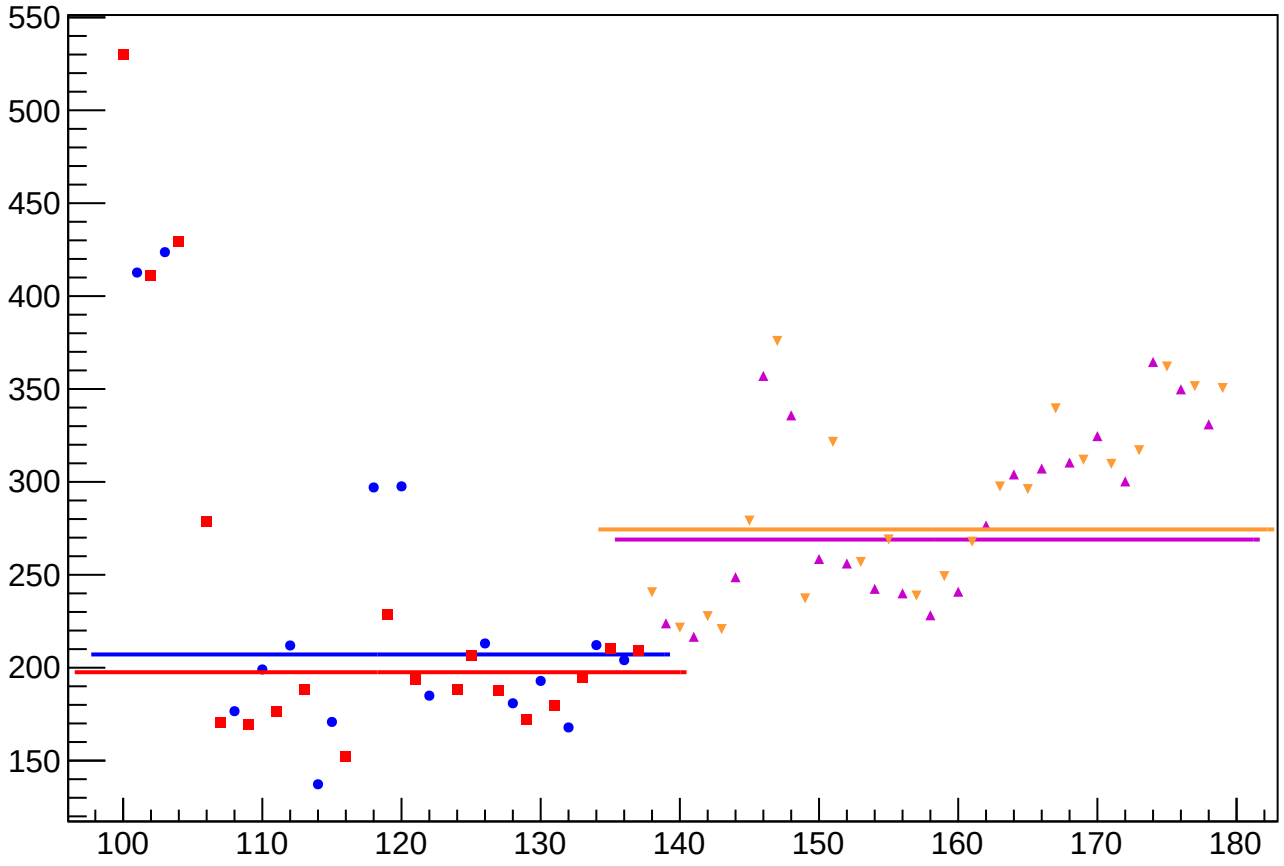
Left In: 129640.916+/-0.068 χ^2/NDF:6366081119.8/19

+ sign 137619.009+/-0.052 χ^2/NDF: 35971037291.

All: 137733.397+/-0.036 χ^2/NDF: 75800894

- sign 137843.092+/-0.051 χ^2/NDF: 39820337922.6

yield_bpm0l02WS_rms vs Slug



Right In: 207.135+/-0.058 χ^2/NDF: 972216.9/15

Left Out: 274.428+/-0.047 χ^2/NDF:909786.2/21

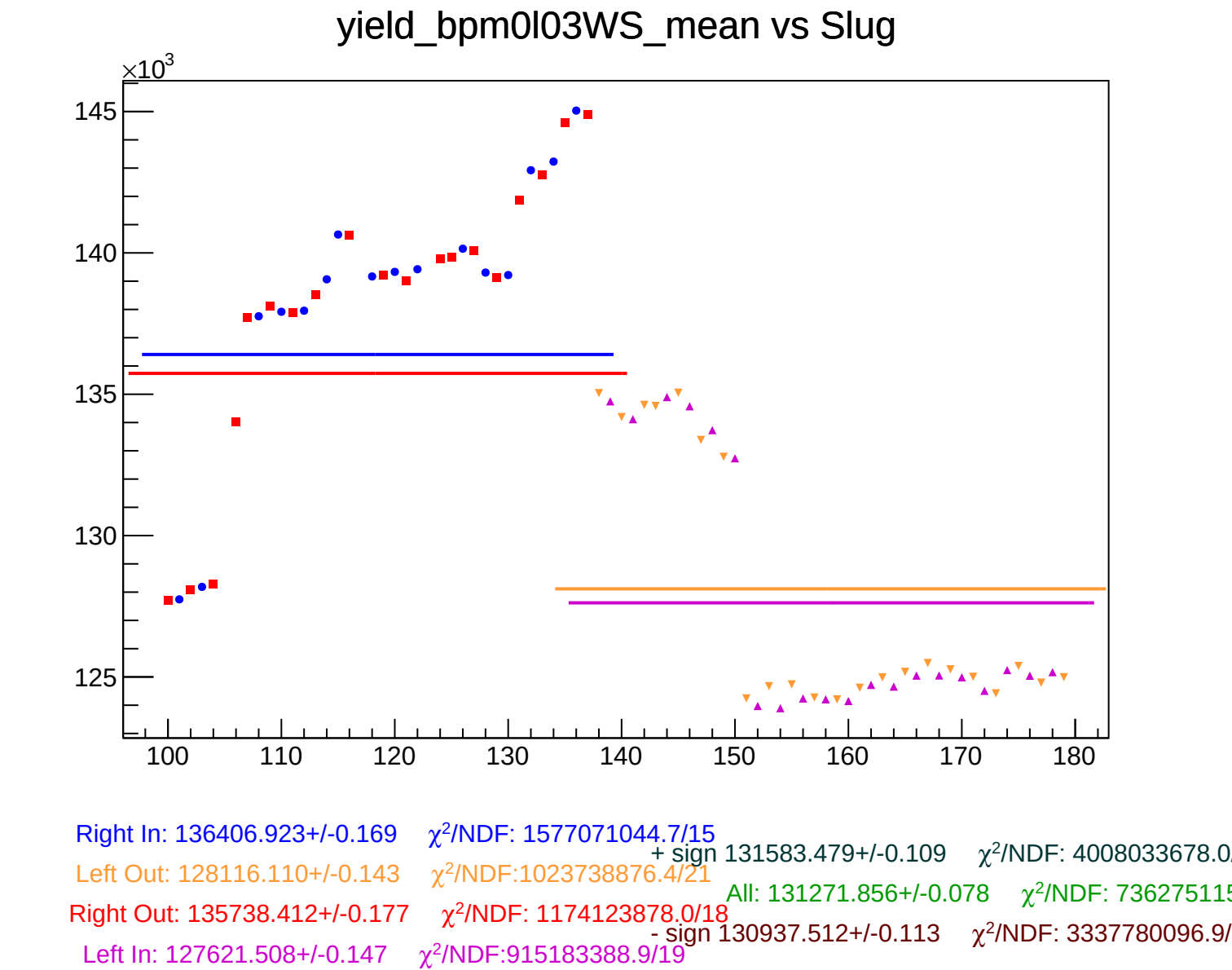
Right Out: 197.571+/-0.054 χ^2/NDF: 903999.3/18

Left In: 268.974+/-0.048 χ^2/NDF:853678.9/19

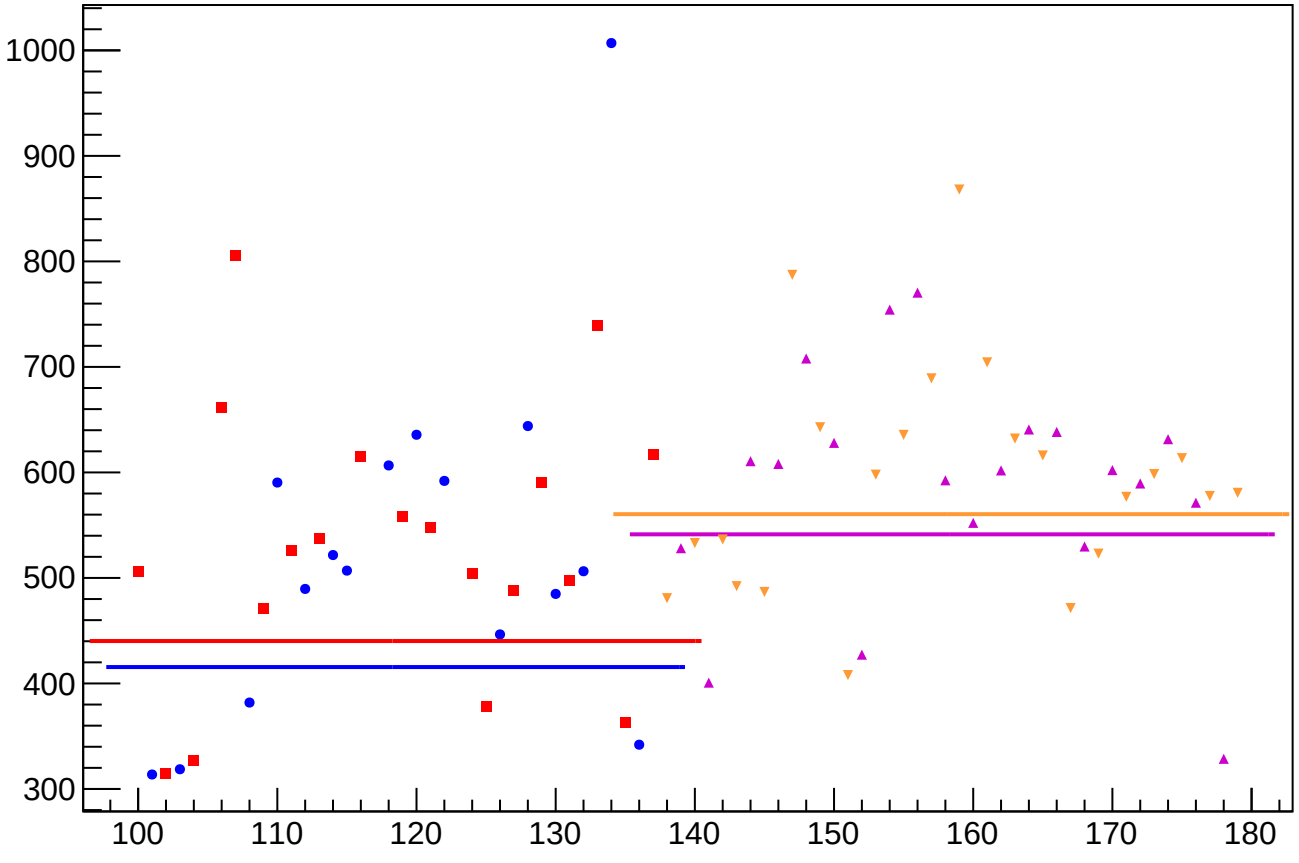
+ sign 247.442+/-0.037 χ^2/NDF: 2689946.8/37

All: 242.395+/-0.026 χ^2/NDF: 5457711.5/76

- sign 237.556+/-0.036 χ^2/NDF: 2730712.2/38


yield_bpm0l03WS_mean vs Slug
×10^3
145
140
135
130
125
100
110
120
130
140
150
160
170
180
Right In: 136406.923+/-0.169 χ²/NDF: 1577071044.7/15
Left Out: 128116.110+/-0.143 χ²/NDF:1023738876.4/21
Right Out: 135738.412+/-0.177 χ²/NDF: 1174123878.0/18
Left In: 127621.508+/-0.147 χ²/NDF:915183388.9/19
+ sign 131583.479+/-0.109 χ²/NDF: 4008033678.0
All: 131271.856+/-0.078 χ²/NDF: 73627511
- sign 130937.512+/-0.113 χ²/NDF: 3337780096.9/

yield_bpm0l03WS_rms vs Slug



Right In: 415.547+/-0.119 χ^2/NDF: 1031600.7/15

Left Out: 560.428+/-0.101 χ^2/NDF:881034.9/21

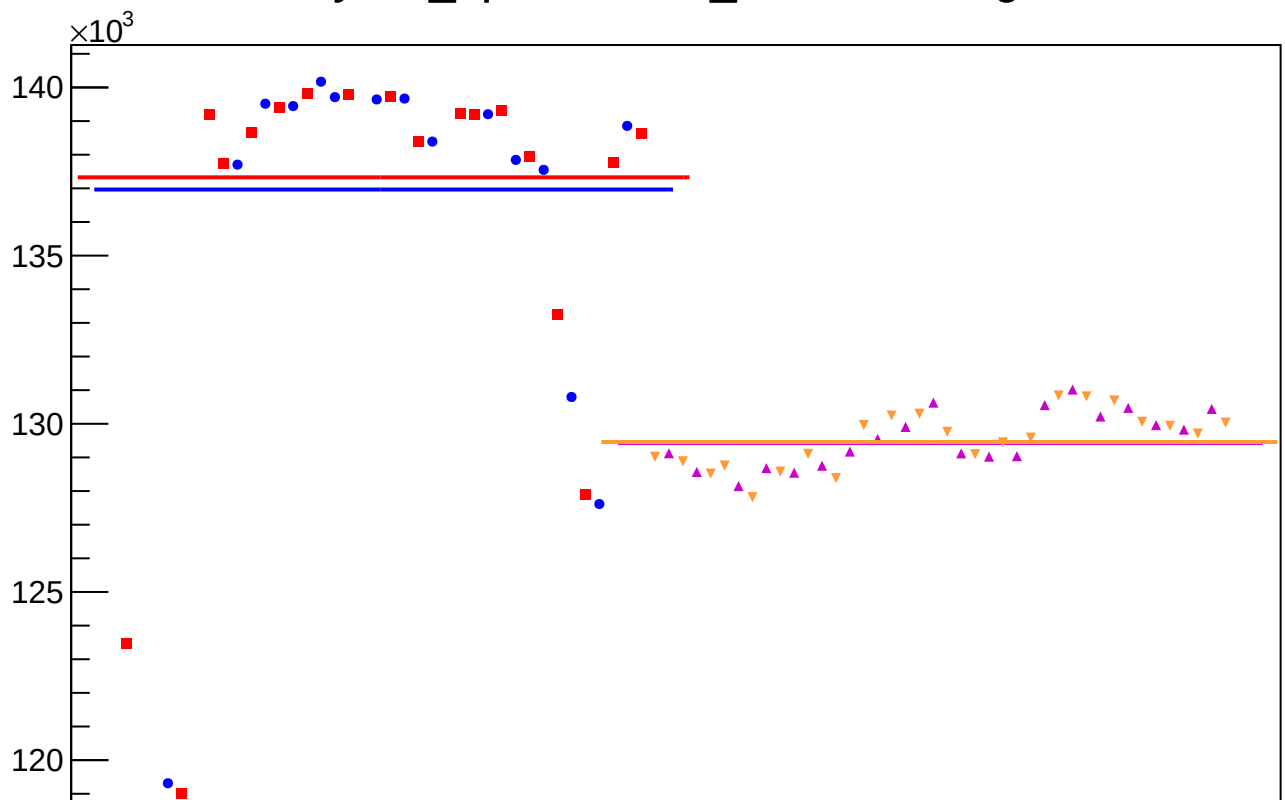
Right Out: 440.218+/-0.125 χ^2/NDF: 910790.1/18

Left In: 541.323+/-0.104 χ^2/NDF:1314797.7/19

+ sign 499.836+/-0.077 χ^2/NDF: 2772085.8/37

All: 499.924+/-0.055 χ^2/NDF: 5385090.5/76

- sign 500.018+/-0.080 χ^2/NDF: 2613002.0/38



Right In: 136964.958+/-0.070 χ^2/NDF: 5807770301.4/15

Left Out: 129458.232+/-0.049 χ^2/NDF:282865986.7/21

Right Out: 137327.469+/-0.066 χ^2/NDF: 5737745895.7/18

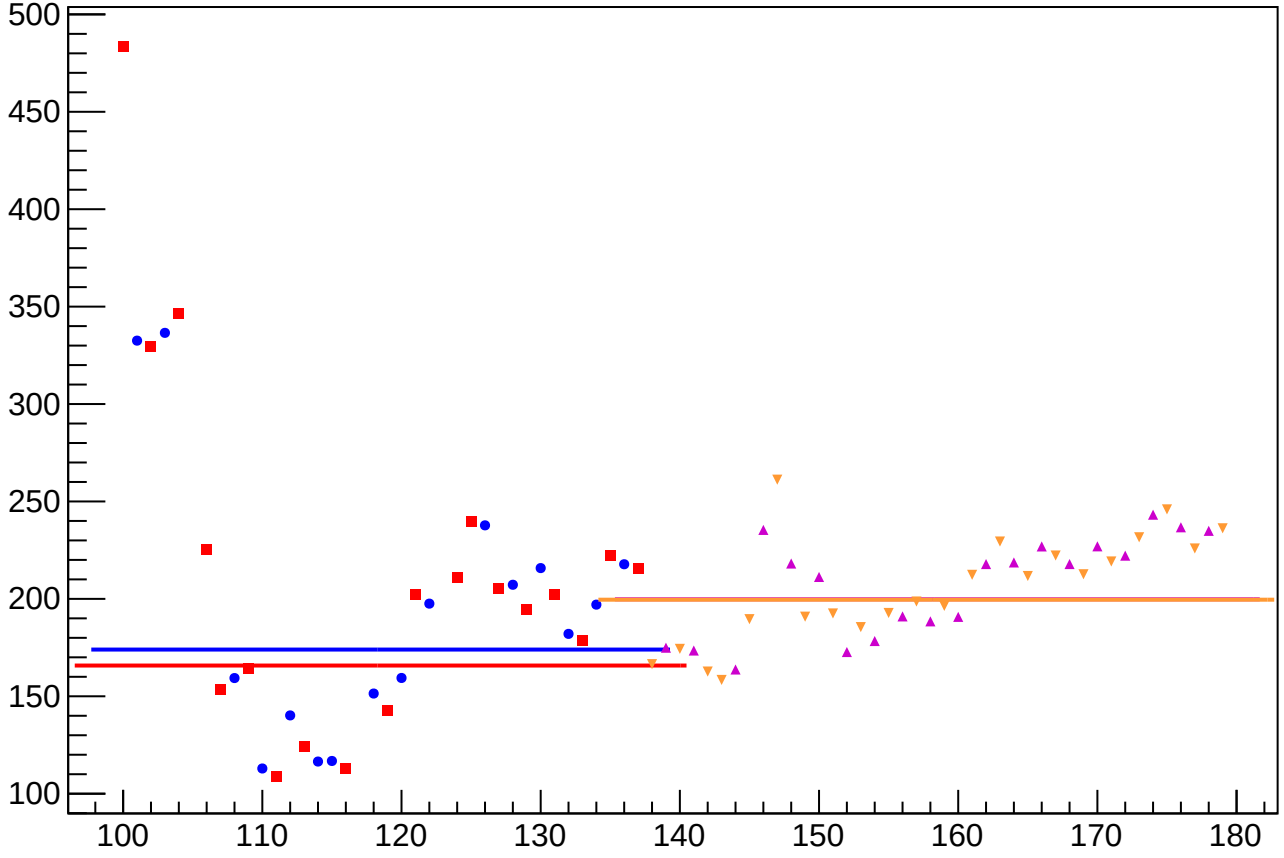
Left In: 129428.246+/-0.050 χ^2/NDF:266767261.3/19

+ sign 131910.363+/-0.040 χ^2/NDF: 13894881103.

All: 132128.145+/-0.028 χ^2/NDF: 29094645

- sign 132346.327+/-0.040 χ^2/NDF: 15139981509.

yield_bpm0l04WS_rms vs Slug



Right In: 173.982+/-0.049 χ^2/NDF: 1188493.1/15

Left Out: 199.576+/-0.034 χ^2/NDF:580533.6/21

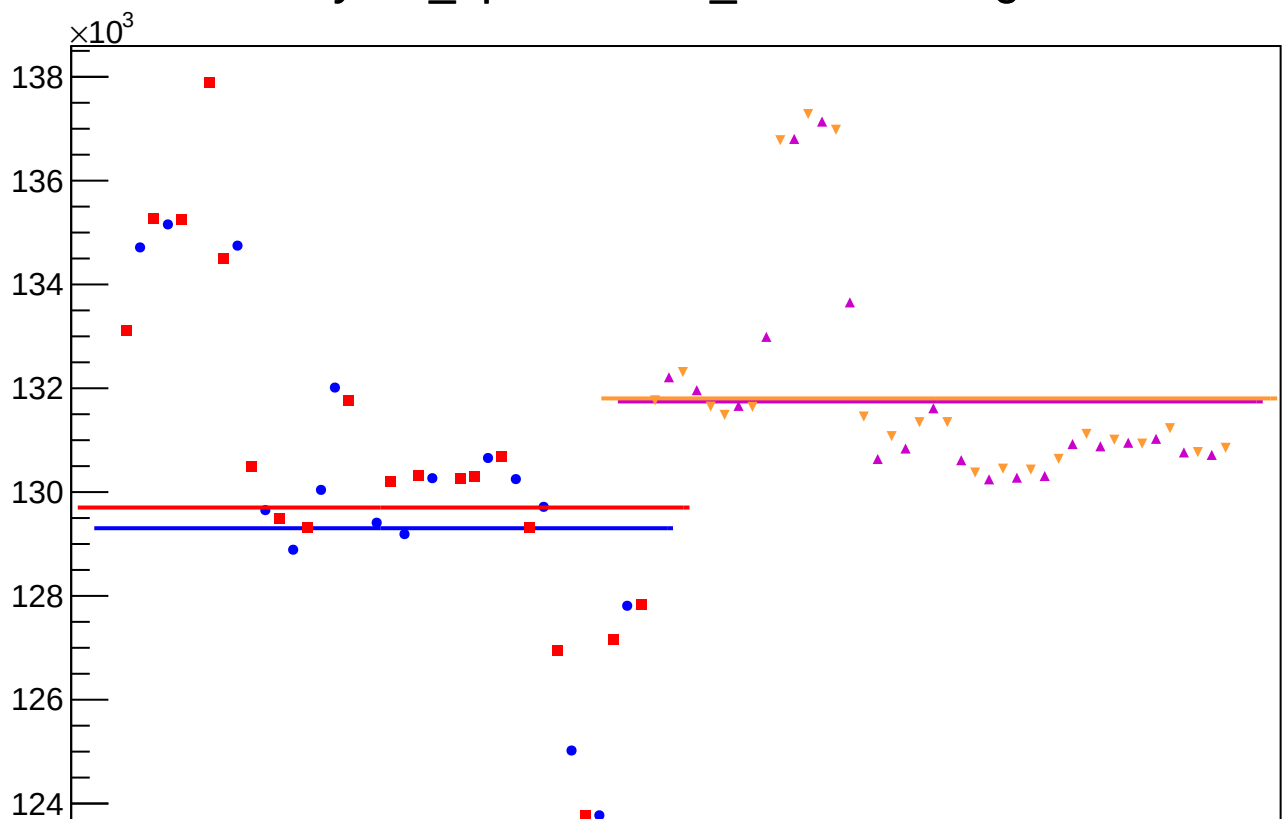
Right Out: 165.780+/-0.046 χ^2/NDF: 1433162.4/18

Left In: 199.791+/-0.036 χ^2/NDF:504454.1/19

+ sign 191.215+/-0.028 χ^2/NDF: 1950464.9/37

All: 189.223+/-0.020 χ^2/NDF: 4236784.2/76

- sign 187.227+/-0.028 χ^2/NDF: 2276312.7/38



Right In: 129303.894+/-0.066 χ^2/NDF: 1650235360.7/15

Left Out: 131804.532+/-0.048 χ^2/NDF:1383891920.9/21

Right Out: 129702.568+/-0.062 χ^2/NDF: 1777723481.2/18

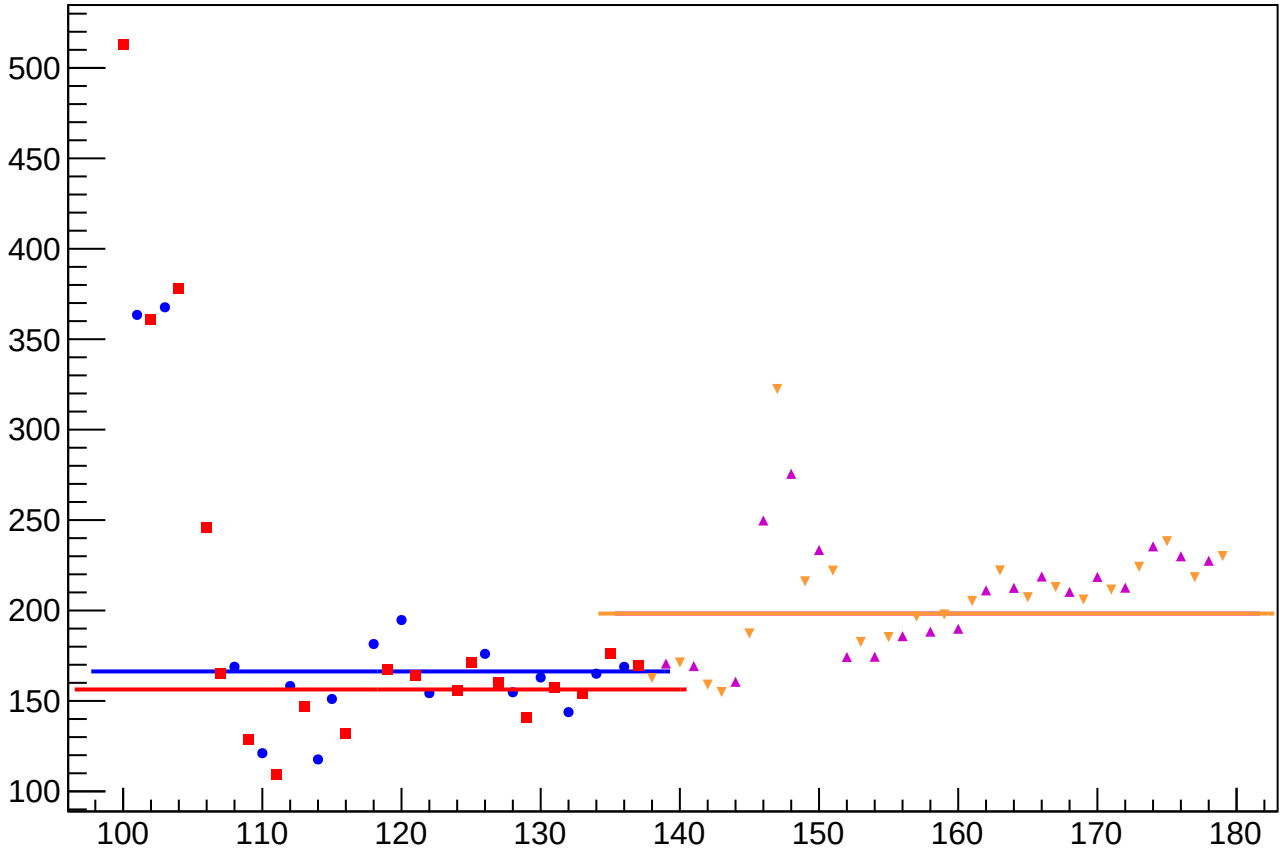
Left In: 131745.950+/-0.050 χ^2/NDF:1121119684.0/19

+ sign 130932.574+/-0.039 χ^2/NDF: 3963430521.1

All: 130932.908+/-0.028 χ^2/NDF: 7526230

- sign 130933.238+/-0.039 χ^2/NDF: 3562799534.5/

yield_bpm0l05WS_rms vs Slug



Right In: 166.302+/-0.047 χ^2/NDF: 937947.6/15

Left Out: 198.317+/-0.034 χ^2/NDF:735882.3/21

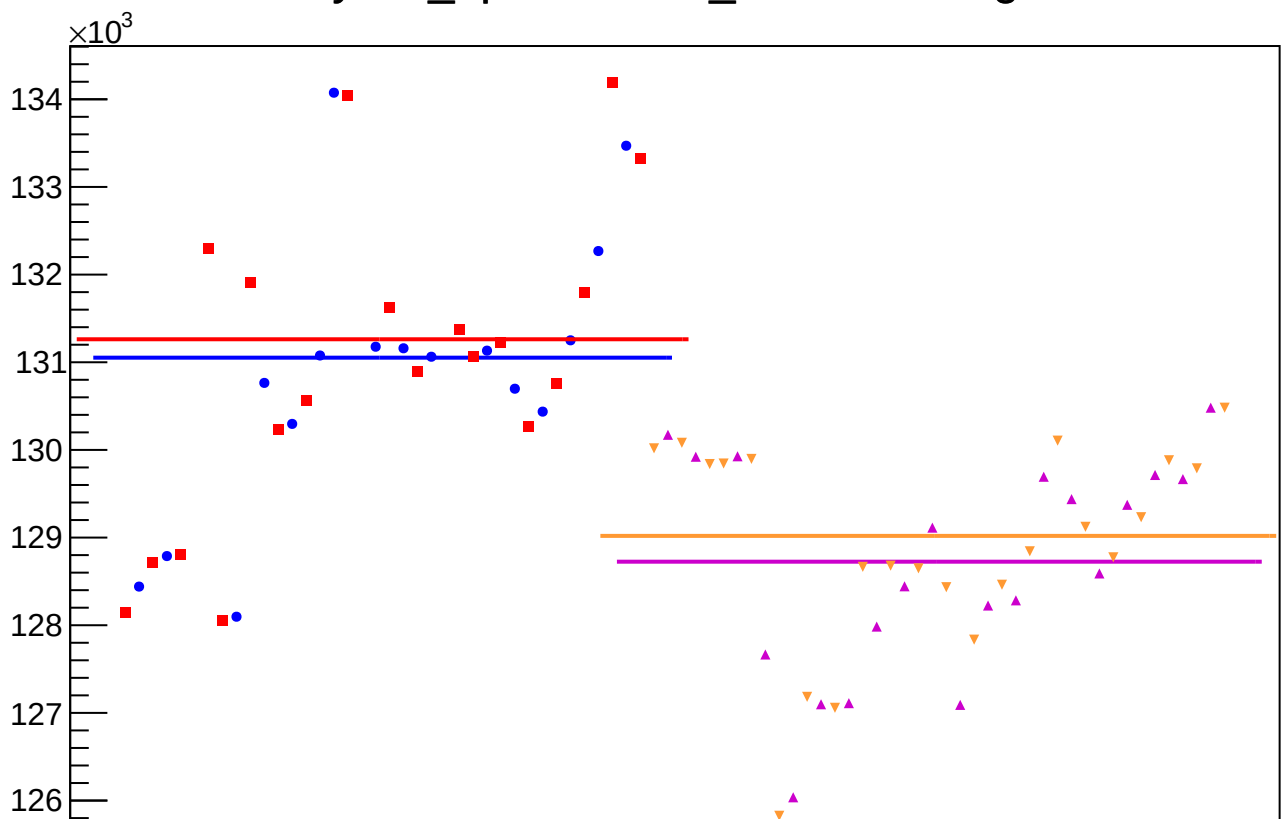
Right Out: 156.334+/-0.044 χ^2/NDF: 1172834.9/18

Left In: 198.323+/-0.035 χ^2/NDF:653431.5/19

\+ sign 187.154+/-0.028 χ^2/NDF: 1978464.0/37

All: 184.368+/-0.019 χ^2/NDF: 4385599.6/76

\- sign 181.623+/-0.027 χ^2/NDF: 2386974.1/38



Right In: 131052.422+/-0.061 χ^2/NDF: 523713045.8/15

Left Out: 129019.305+/-0.047 χ^2/NDF:523052229.4/21

Right Out: 131262.232+/-0.057 χ^2/NDF: 604278186.1/18

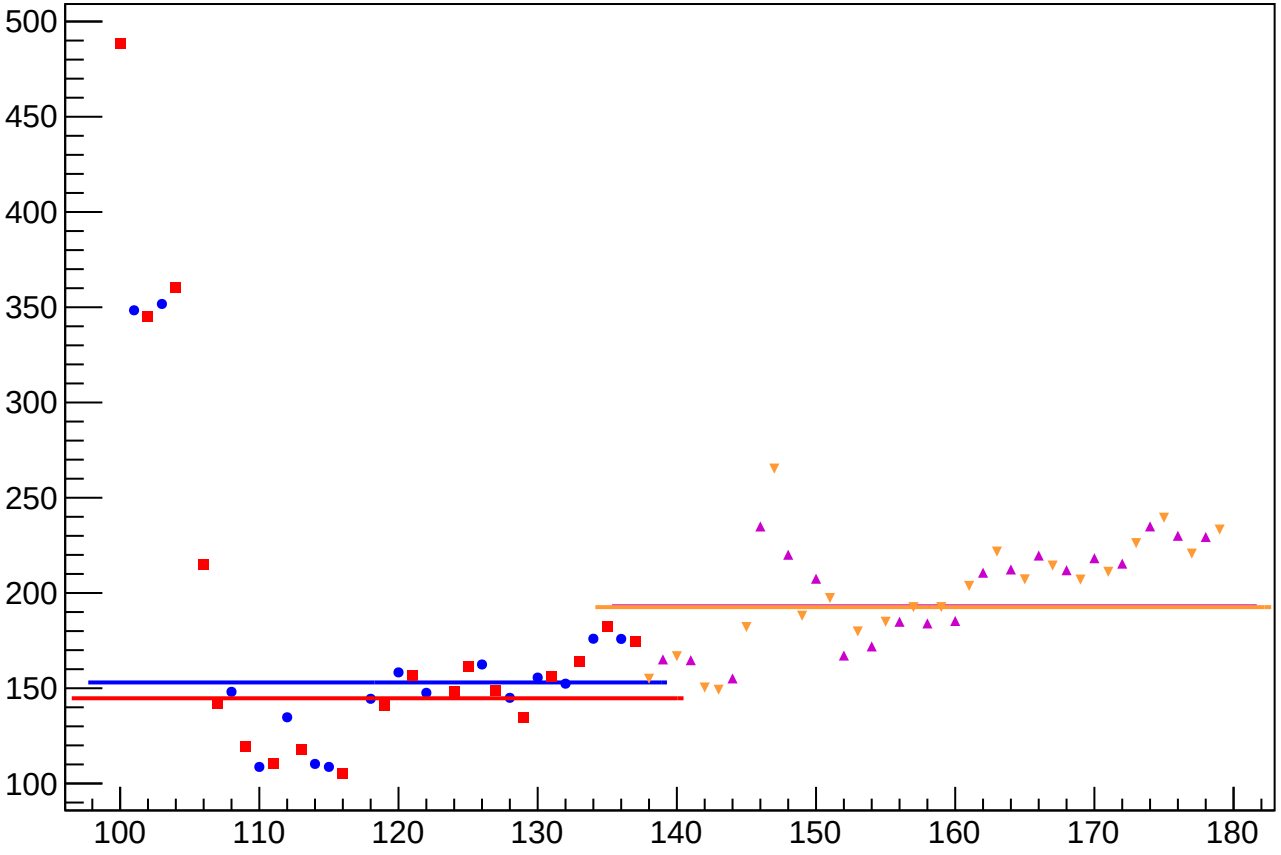
Left In: 128724.946+/-0.049 χ^2/NDF:627995536.4/19

+ sign 129781.389+/-0.037 χ^2/NDF: 1749506775.9

All: 129790.661+/-0.026 χ^2/NDF: 41375504

- sign 129799.812+/-0.037 χ^2/NDF: 2387919774.5/

yield_bpm0l06WS_rms vs Slug



Right In: 153.043+/-0.043 χ^2/NDF: 1059470.3/15

Left Out: 192.576+/-0.033 χ^2/NDF:720175.6/21

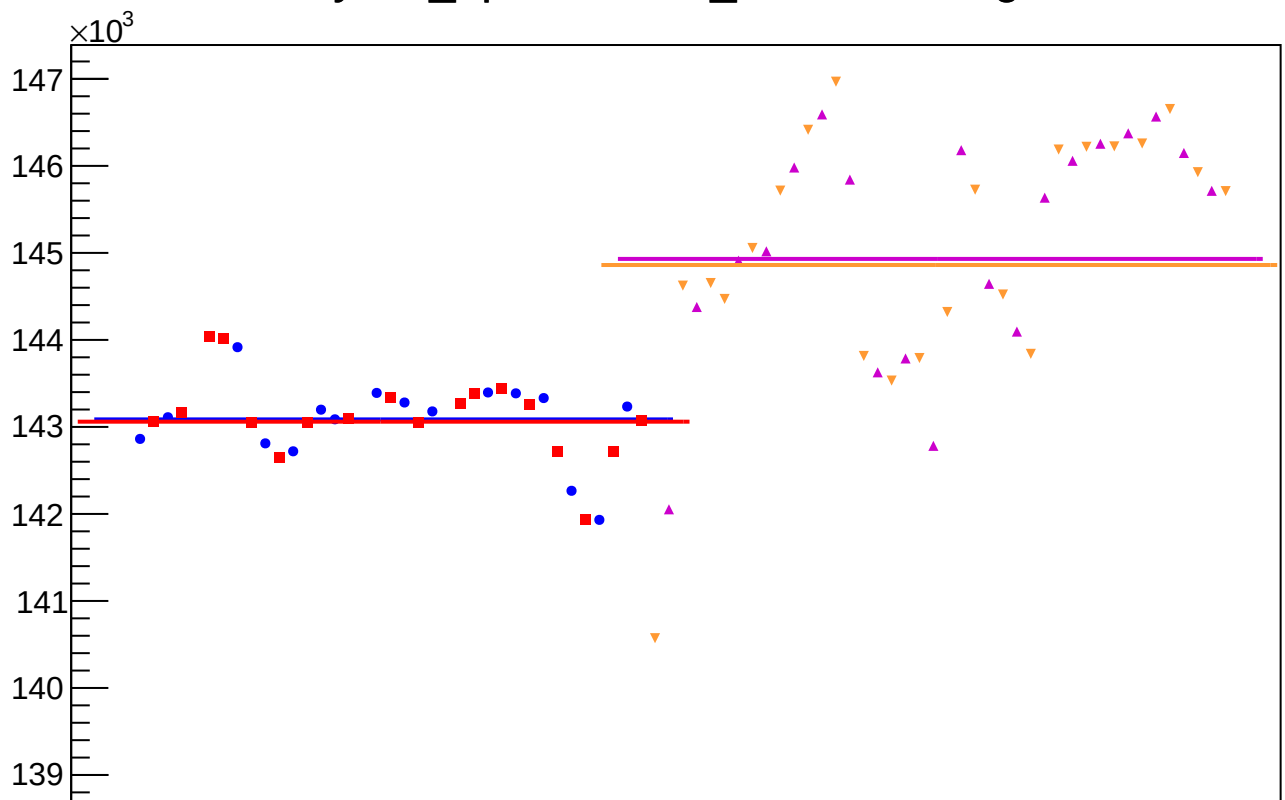
Right Out: 144.731+/-0.040 χ^2/NDF: 1263423.6/18

Left In: 193.007+/-0.034 χ^2/NDF:587797.9/19

+ sign 177.758+/-0.026 χ^2/NDF: 2311063.5/37

All: 175.139+/-0.019 χ^2/NDF: 5018770.4/76

- sign 172.556+/-0.026 χ^2/NDF: 2687944.0/38



Right In: 143086.477+/-0.065 χ^2/NDF: 46726277.8/15

Left Out: 144860.772+/-0.054 χ^2/NDF:816926076.2/21

Right Out: 143060.268+/-0.061 χ^2/NDF: 51715744.7/18

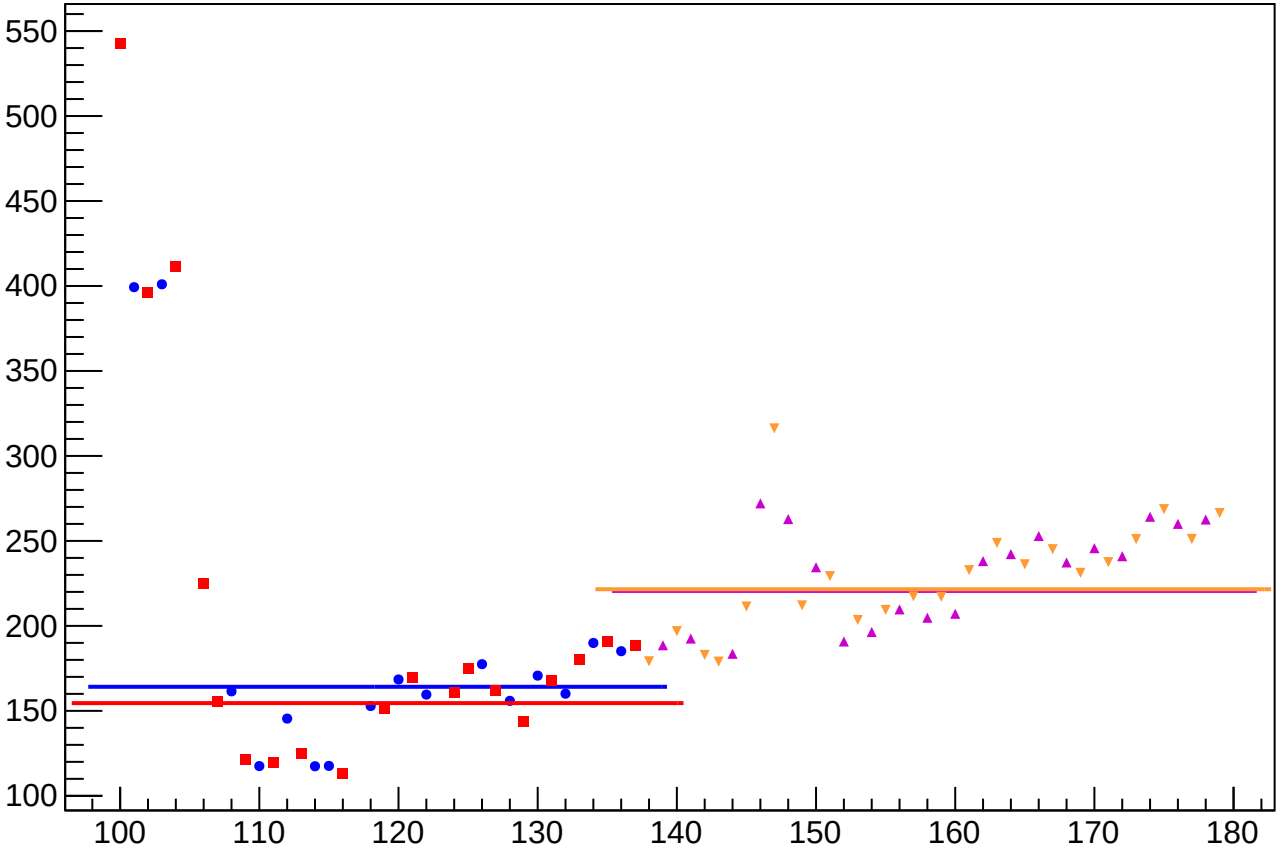
Left In: 144930.923+/-0.056 χ^2/NDF:603071481.9/19

+ sign 144137.461+/-0.042 χ^2/NDF: 1303885259.9

All: 144107.413+/-0.029 χ^2/NDF: 24772941

- sign 144078.230+/-0.041 χ^2/NDF: 1172378215.3/

yield_bpm0l07WS_rms vs Slug



Right In: 164.167+/-0.046 χ^2/NDF: 1129764.4/15

Left Out: 221.559+/-0.038 χ^2/NDF:603866.6/21

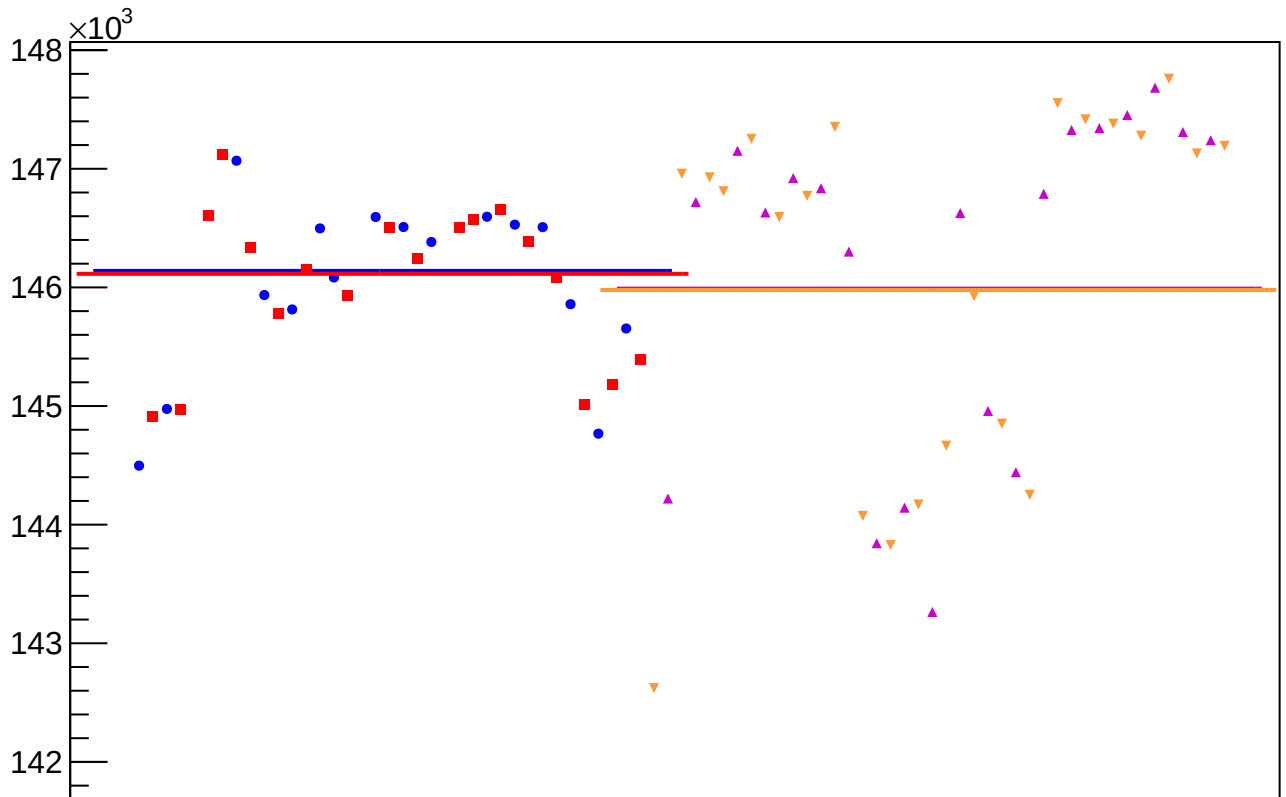
Right Out: 154.558+/-0.043 χ^2/NDF: 1366830.5/18

Left In: 220.564+/-0.039 χ^2/NDF:545523.0/19

+ sign 198.163+/-0.029 χ^2/NDF: 2654876.1/37

All: 194.263+/-0.021 χ^2/NDF: 5890770.6/76

- sign 190.477+/-0.029 χ^2/NDF: 3201184.1/38



Right In: 146139.237+/-0.067 χ^2/NDF: 71721843.8/15

Left Out: 145978.096+/-0.054 χ^2/NDF:859627756.9/21

Right Out: 146114.458+/-0.062 χ^2/NDF: 73102068.4/18

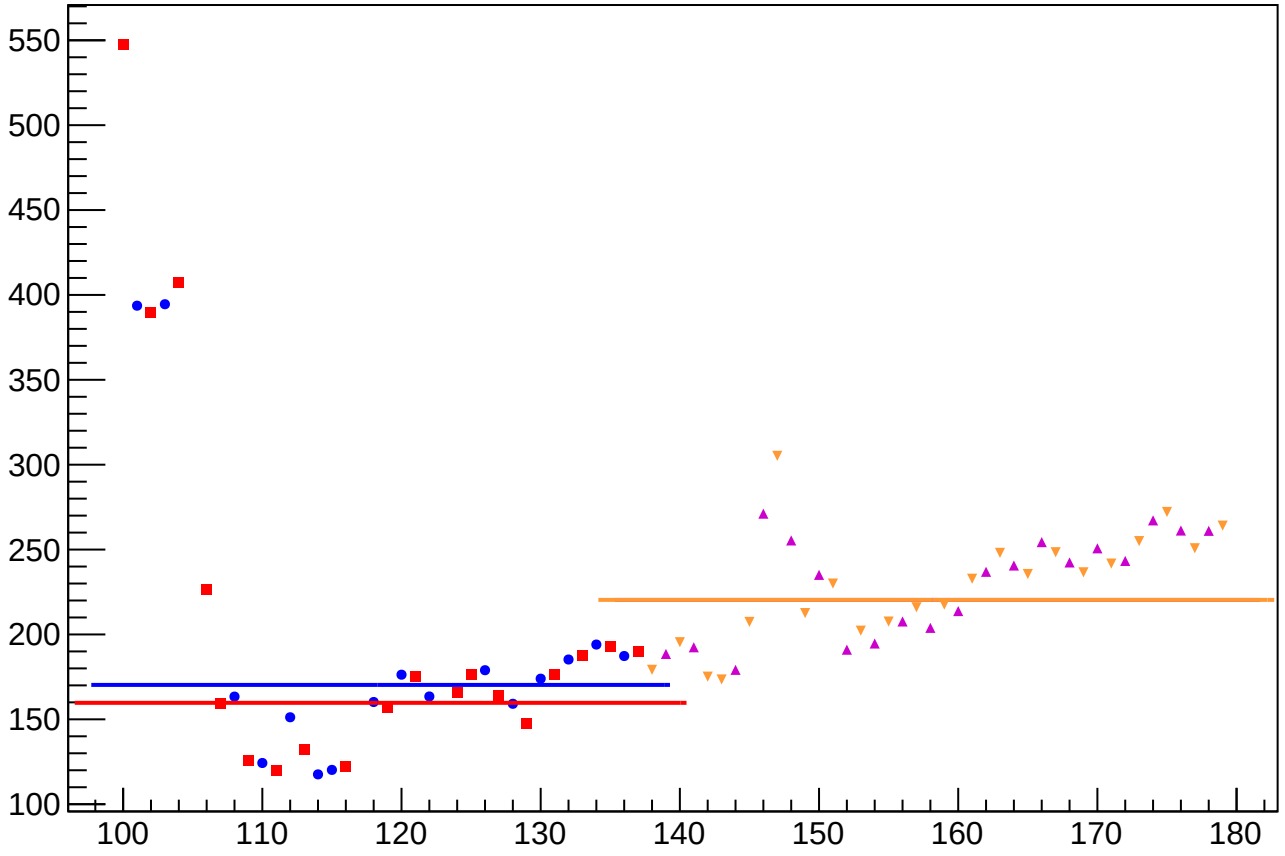
Left In: 145989.603+/-0.055 χ^2/NDF:675230190.4/19

+ sign 146040.704+/-0.042 χ^2/NDF: 934845652.0/3

All: 146042.707+/-0.030 χ^2/NDF: 16854147

- sign 146044.661+/-0.041 χ^2/NDF: 750564629.8/38

yield_bpm0l08WS_rms vs Slug



Right In: 170.279+/-0.048 χ^2/NDF: 1057631.0/15

Left Out: 220.359+/-0.038 χ^2/NDF:662622.0/21

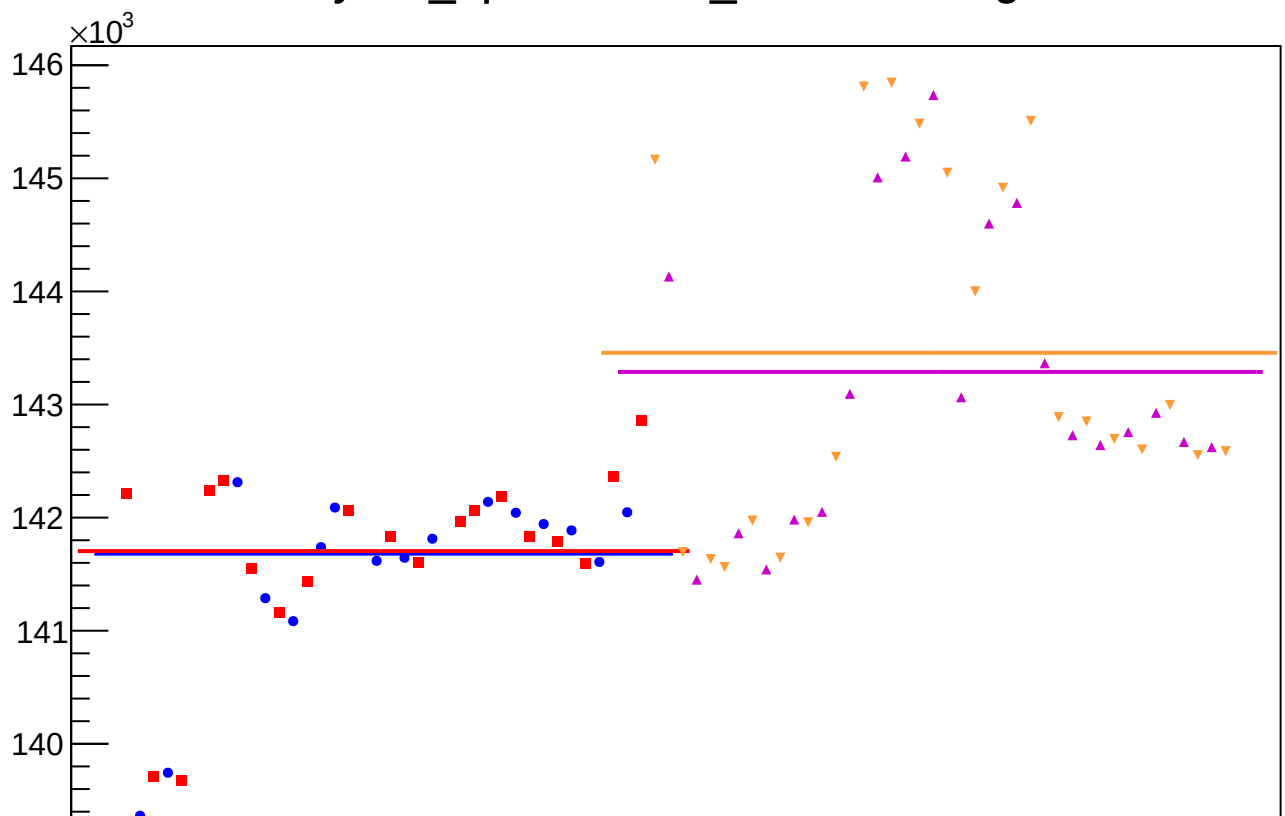
Right Out: 159.724+/-0.044 χ^2/NDF: 1291290.8/18

Left In: 220.319+/-0.039 χ^2/NDF:575160.5/19

+ sign 200.902+/-0.030 χ^2/NDF: 2395611.6/37

All: 197.205+/-0.021 χ^2/NDF: 5344278.5/76

- sign 193.598+/-0.029 χ^2/NDF: 2918063.7/38



Right In: 141681.846+/-0.068 χ^2/NDF: 64292997.9/15

Left Out: 143457.280+/-0.056 χ^2/NDF:760641090.9/21

Right Out: 141704.185+/-0.064 χ^2/NDF: 65526811.0/18

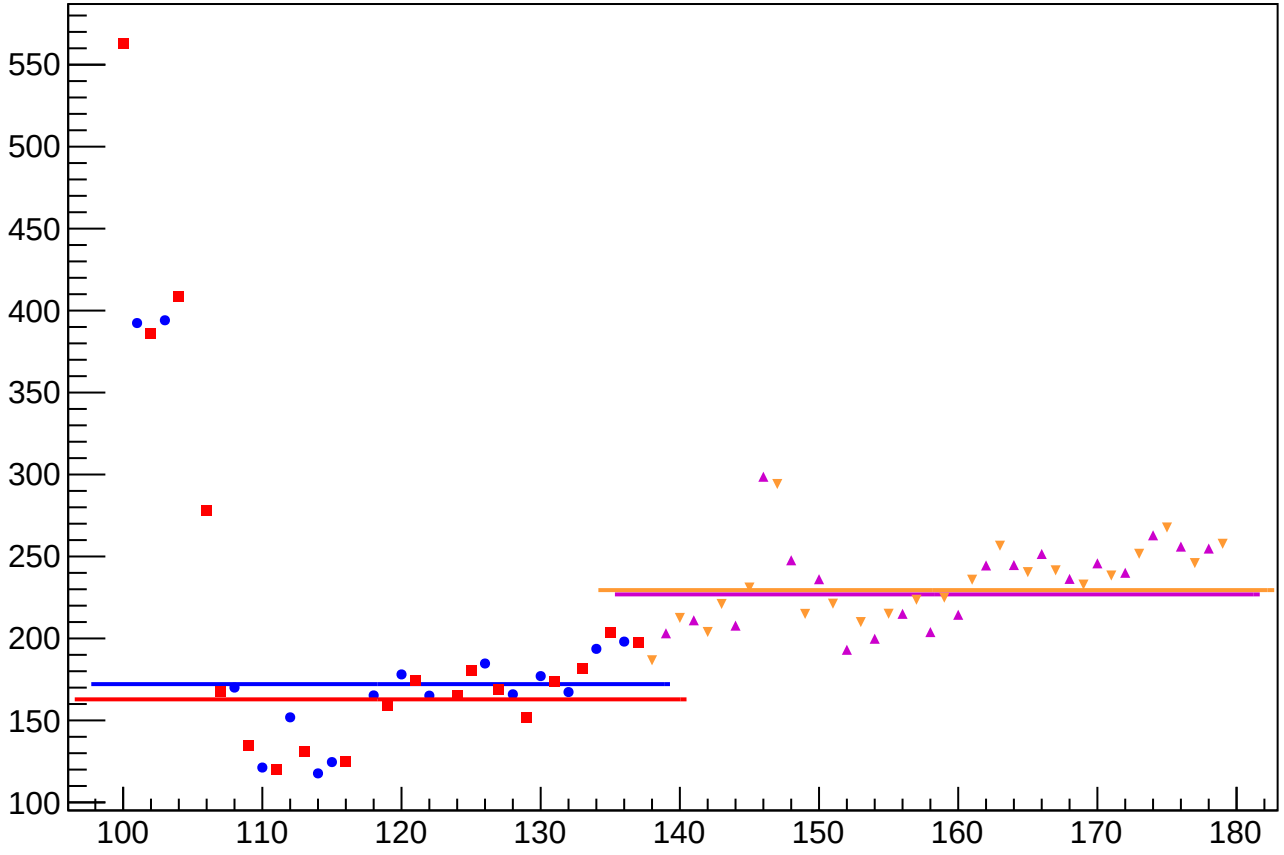
Left In: 143288.298+/-0.057 χ^2/NDF:519920321.1/19

+ sign 142748.879+/-0.043 χ^2/NDF: 1231400329.5

All: 142665.803+/-0.030 χ^2/NDF: 21670631

- sign 142585.102+/-0.043 χ^2/NDF: 928346566.5/3

yield_bpm0l09WS_rms vs Slug



Right In: 172.139+/-0.048 χ^2/NDF: 1068587.8/15

Left Out: 229.485+/-0.039 χ^2/NDF:319971.2/21

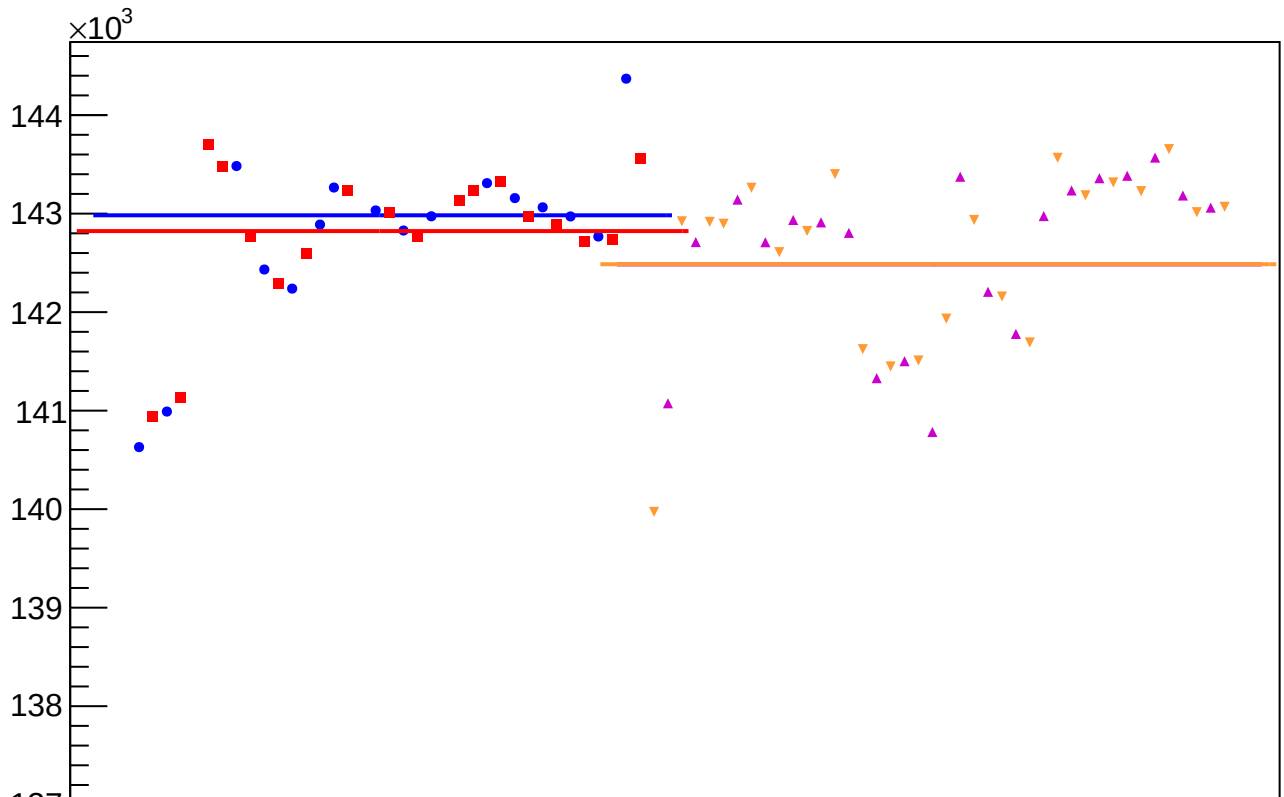
Right Out: 162.845+/-0.045 χ^2/NDF: 1305855.8/18

Left In: 226.878+/-0.040 χ^2/NDF:387436.8/19

+ sign 206.604+/-0.030 χ^2/NDF: 2236672.5/37

All: 202.469+/-0.021 χ^2/NDF: 5086759.3/76

- sign 198.453+/-0.030 χ^2/NDF: 2813845.0/38



Right In: 142983.006+/-0.069 χ^2/NDF: 107696217.2/15

Left Out: 142486.158+/-0.053 χ^2/NDF:334430674.9/21

Right Out: 142822.727+/-0.064 χ^2/NDF: 63581232.6/18

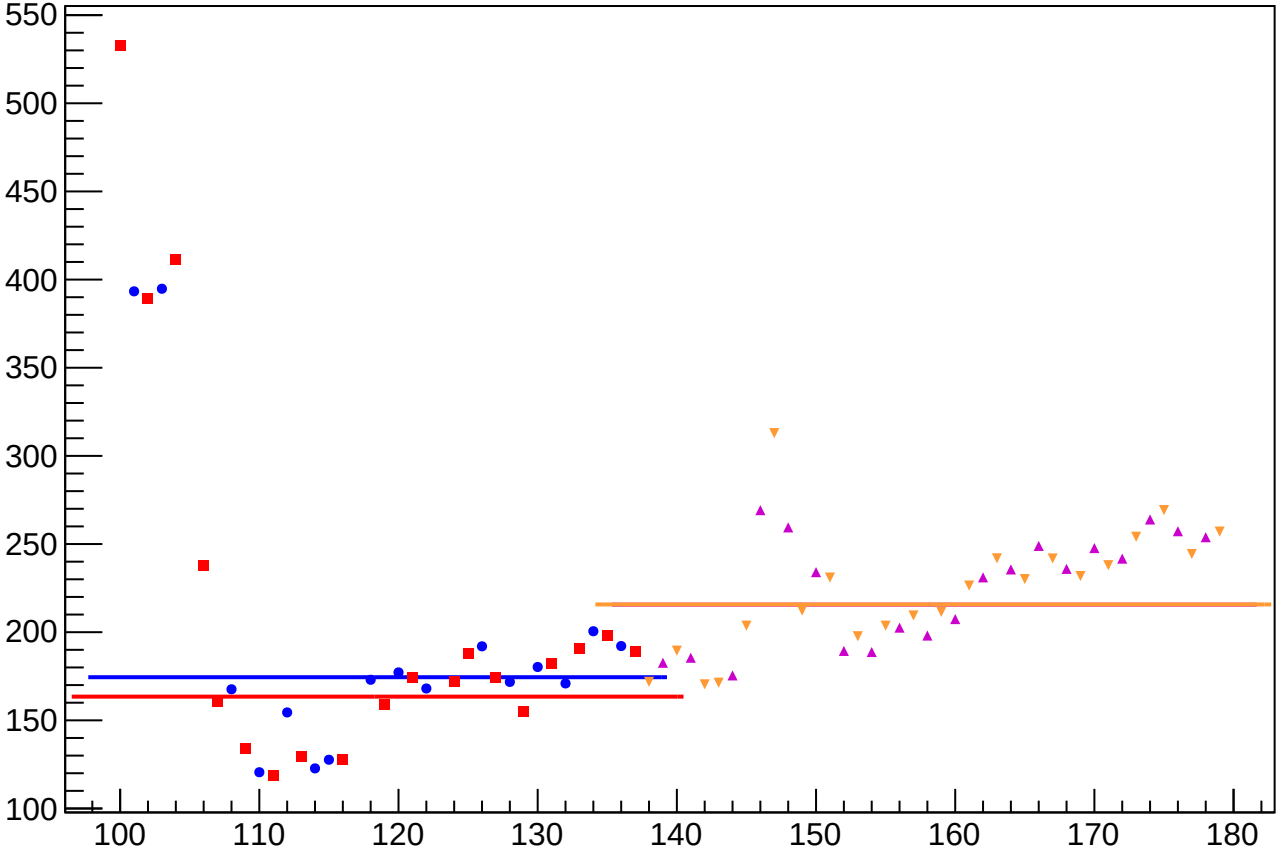
Left In: 142484.137+/-0.054 χ^2/NDF:263959770.9/19

+ sign 142668.391+/-0.042 χ^2/NDF: 474854611.1/3

All: 142646.881+/-0.029 χ^2/NDF: 81917938

- sign 142625.816+/-0.041 χ^2/NDF: 343802017.9/38

yield_bpm0l10WS_rms vs Slug



Right In: 174.467+/-0.049 χ^2/NDF: 1049126.7/15

Left Out: 215.736+/-0.037 χ^2/NDF:721293.1/21

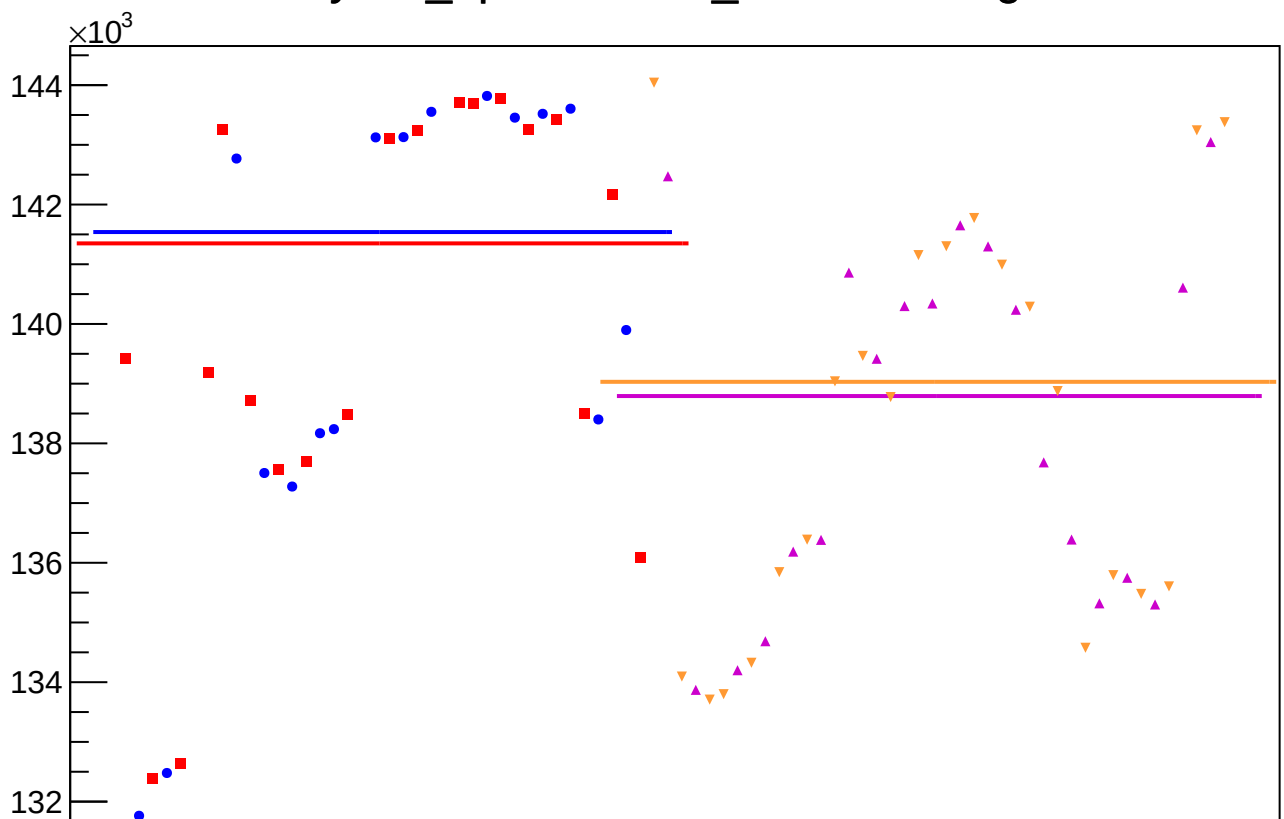
Right Out: 163.448+/-0.045 χ^2/NDF: 1282494.1/18

Left In: 215.627+/-0.038 χ^2/NDF:630337.1/19

+ sign 200.600+/-0.030 χ^2/NDF: 2222021.9/37

All: 197.161+/-0.021 χ^2/NDF: 4933928.7/76

- sign 193.793+/-0.029 χ^2/NDF: 2685186.8/38



Right In: 141539.467+/-0.101 χ^2/NDF: 947743743.7/15

Left Out: 139030.912+/-0.075 χ^2/NDF:2174373722.4/21

Right Out: 141349.499+/-0.101 χ^2/NDF: 926661757.9/18

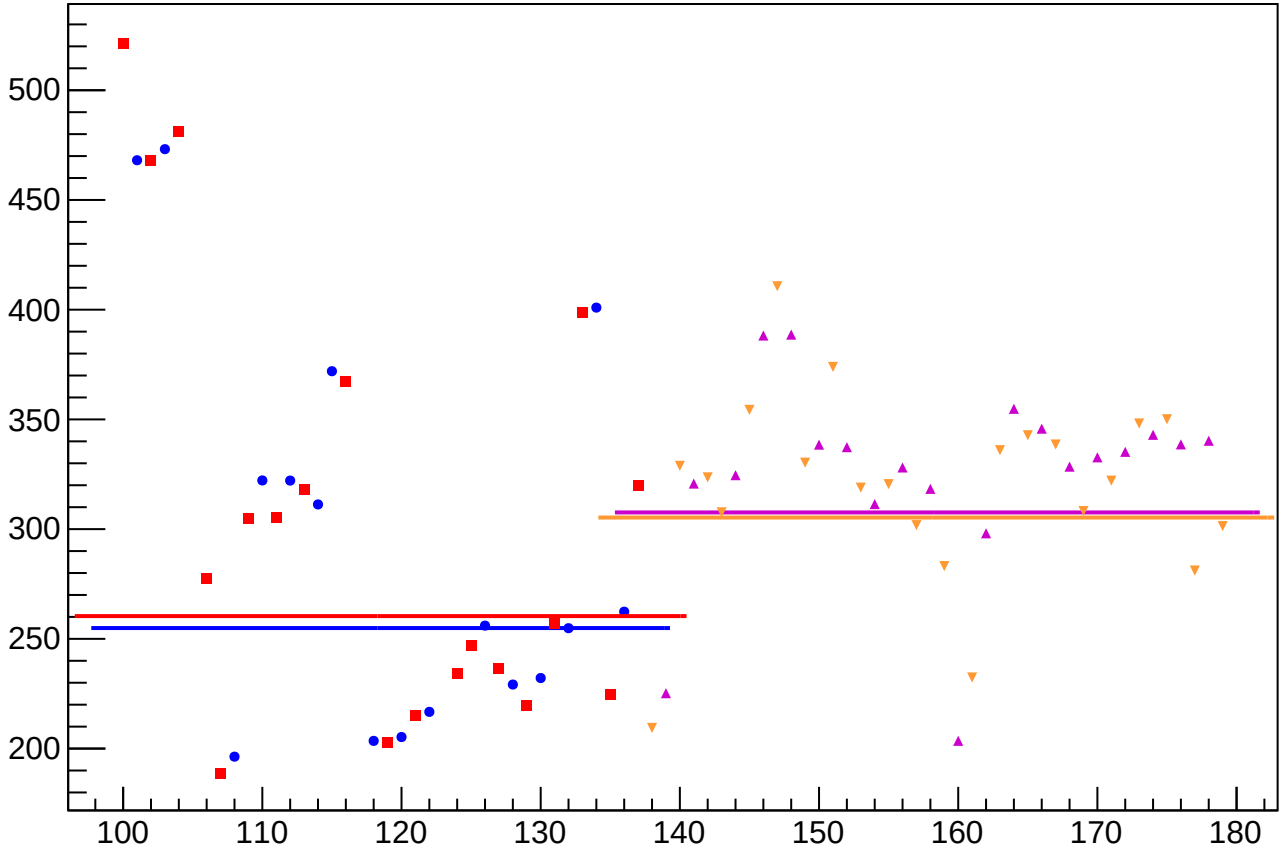
Left In: 138792.642+/-0.078 χ^2/NDF:1495702416.2/19

+ sign 139922.674+/-0.060 χ^2/NDF: 3521202813.8

All: 139839.585+/-0.043 χ^2/NDF: 6347602

- sign 139751.507+/-0.062 χ^2/NDF: 2822462714.2/

yield_bpm0r03WS_rms vs Slug



Right In: 254.919+/-0.071 χ^2/NDF: 949952.1/15

Left Out: 305.281+/-0.053 χ^2/NDF:815324.3/21

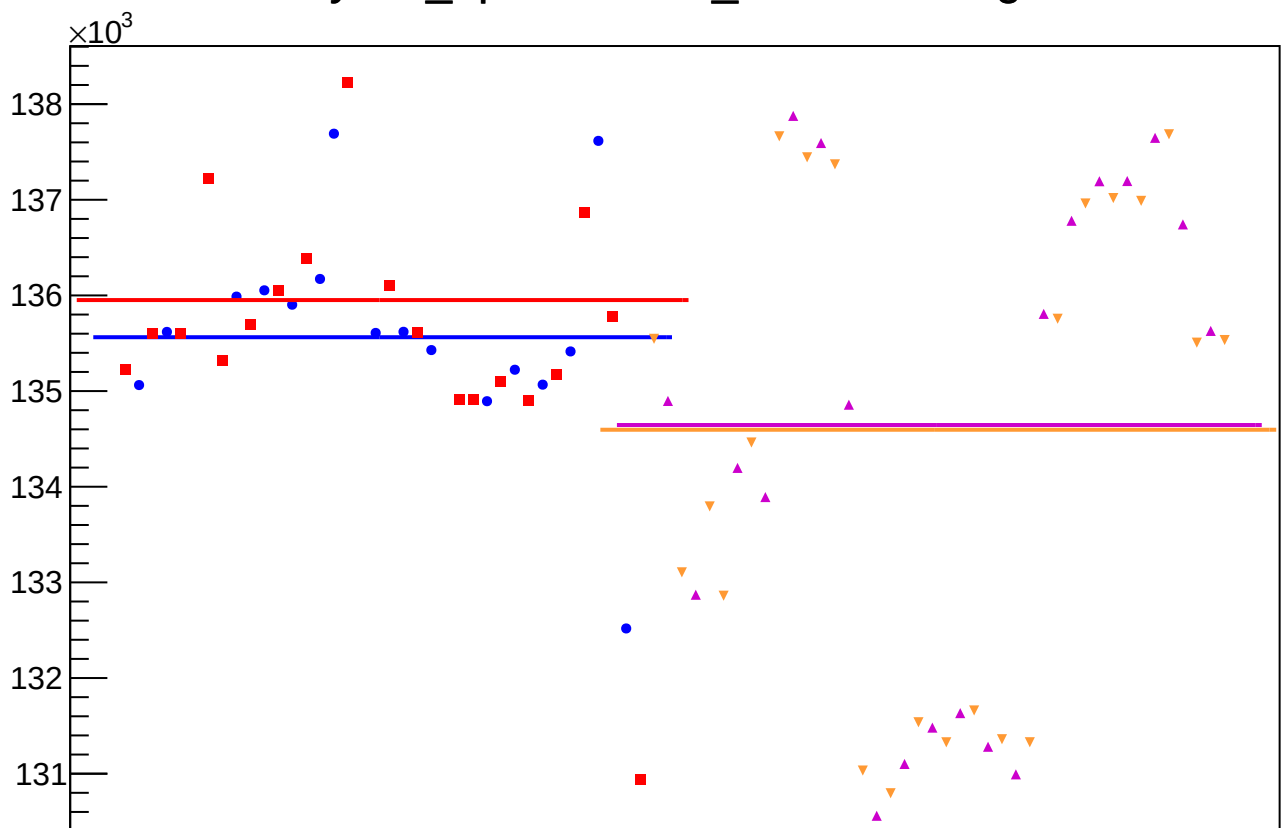
Right Out: 260.369+/-0.071 χ^2/NDF: 993300.6/18

Left In: 307.607+/-0.055 χ^2/NDF:937387.6/19

\+ sign 287.378+/-0.043 χ^2/NDF: 2086971.7/37

All: 288.598+/-0.030 χ^2/NDF: 4292490.7/76

\- sign 289.892+/-0.044 χ^2/NDF: 2203820.5/38



Right In: 135563.062+/-0.118 χ^2/NDF: 94169293.7/15

Left Out: 134595.773+/-0.065 χ^2/NDF:1198181476.7/21

Right Out: 135951.486+/-0.106 χ^2/NDF: 91577209.6/18

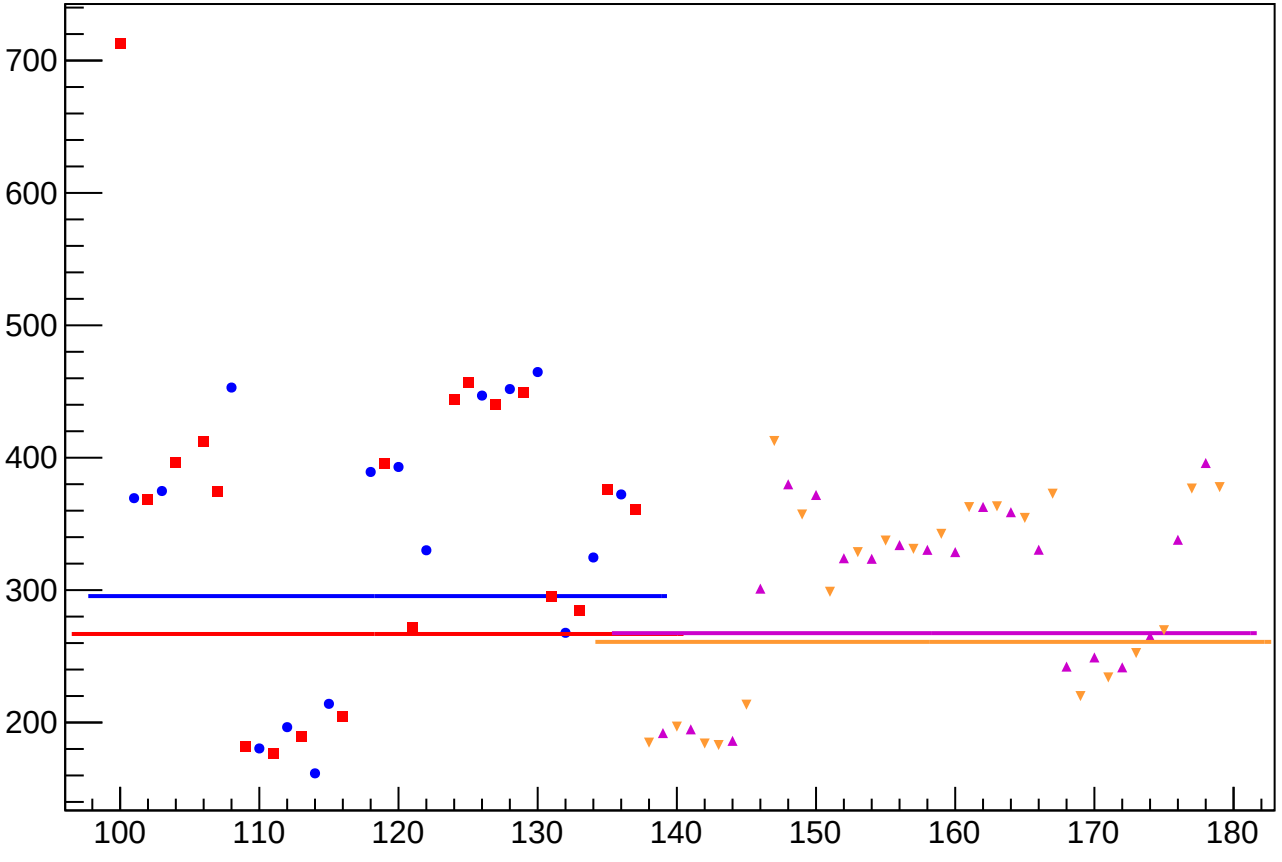
Left In: 134645.243+/-0.069 χ^2/NDF:1090382389.0/19

+ sign 134822.502+/-0.057 χ^2/NDF: 1343489679.9

All: 134926.259+/-0.041 χ^2/NDF: 26382438

- sign 135032.128+/-0.058 χ^2/NDF: 1288129659.6/

yield_bpm0r05WS_rms vs Slug



Right In: 295.481+/-0.084 χ^2/NDF: 1442531.9/15

Left Out: 260.896+/-0.046 χ^2/NDF:2490595.3/21

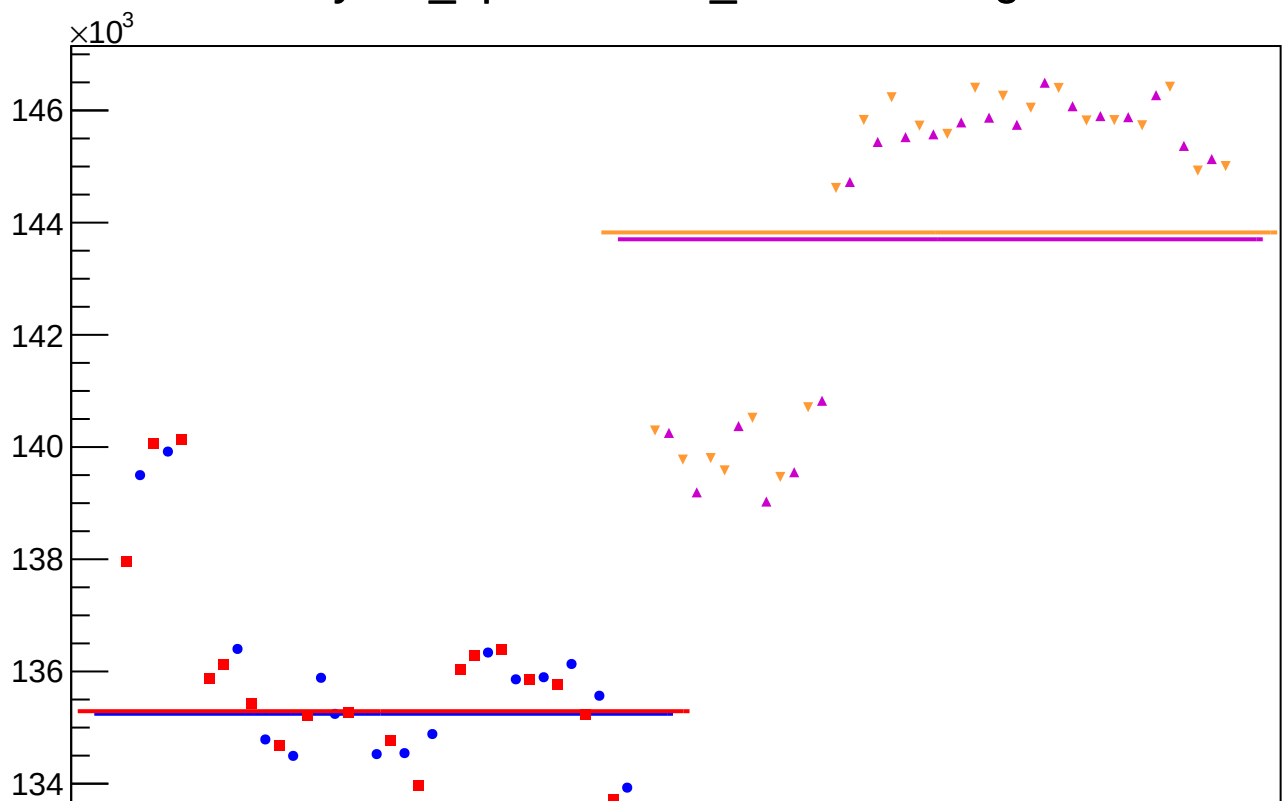
Right Out: 266.864+/-0.075 χ^2/NDF: 1678073.6/18

Left In: 267.487+/-0.049 χ^2/NDF:1919734.9/19

+ sign 269.003+/-0.041 χ^2/NDF: 4063880.9/37

All: 268.161+/-0.029 χ^2/NDF: 7662609.3/76

- sign 267.302+/-0.041 χ^2/NDF: 3597856.8/38



Right In: 135246.269+/-0.055 χ^2/NDF: 388384719.1/15

Left Out: 143825.289+/-0.050 χ^2/NDF:3122319403.8/21

Right Out: 135291.851+/-0.052 χ^2/NDF: 381790556.0/18

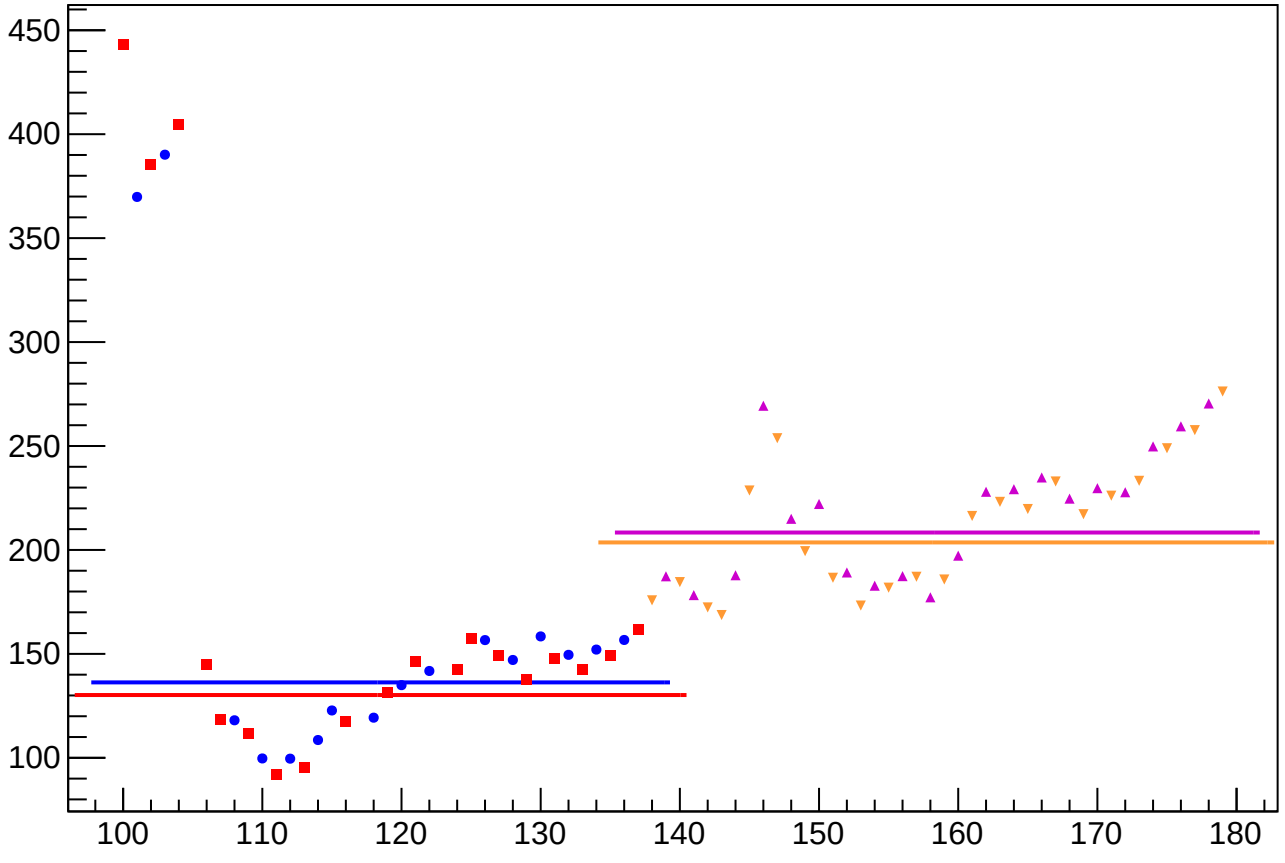
Left In: 143703.118+/-0.052 χ^2/NDF:2767489368.5/19

+ sign 139950.226+/-0.037 χ^2/NDF: 16987301921.

All: 139694.411+/-0.026 χ^2/NDF: 33254393

- sign 139437.549+/-0.037 χ^2/NDF: 16170128374.

yield_bpm0i02WS_rms vs Slug



Right In: 136.285+/-0.039 χ^2/NDF: 1384057.4/15

Left Out: 203.615+/-0.035 χ^2/NDF:682565.7/21

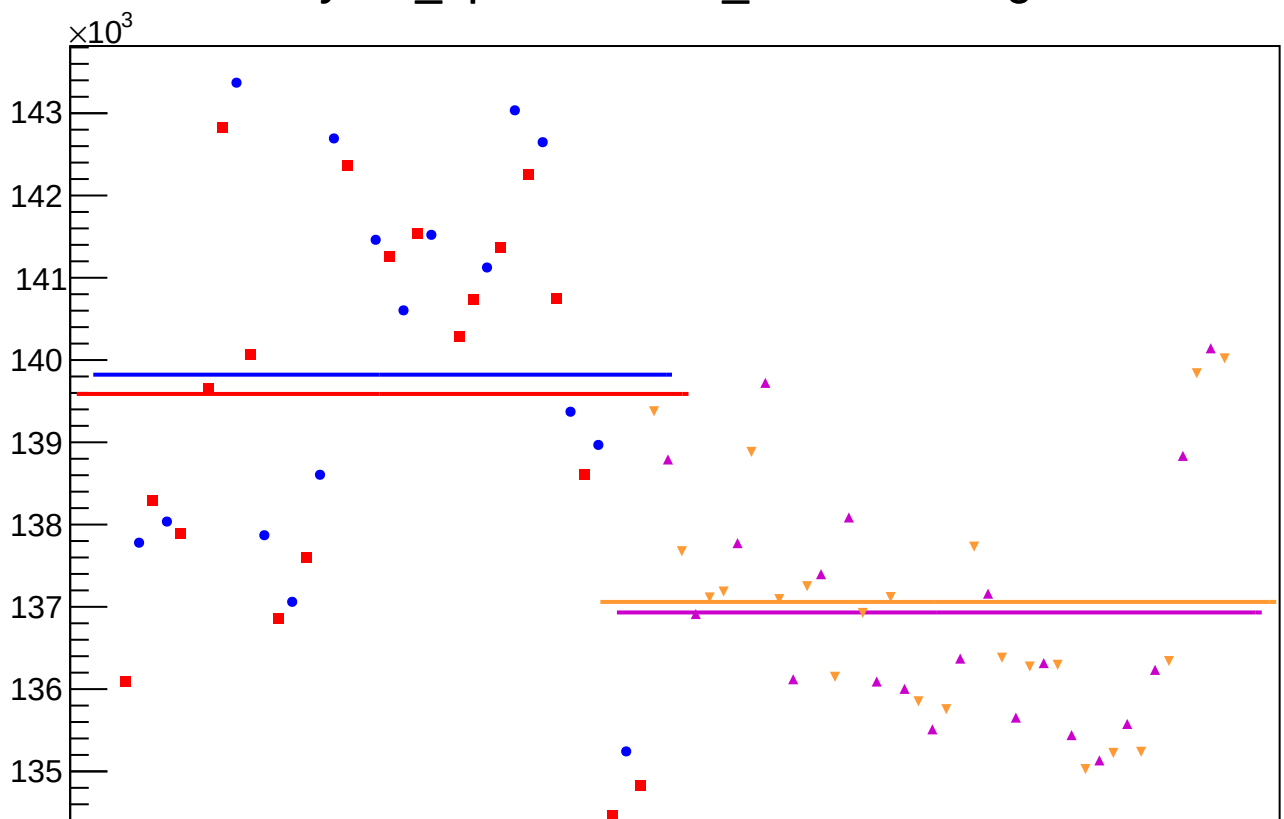
Right Out: 130.206+/-0.037 χ^2/NDF: 1520840.8/18

Left In: 208.381+/-0.037 χ^2/NDF:569256.6/19

+ sign 173.202+/-0.026 χ^2/NDF: 3726769.8/37

All: 170.974+/-0.018 χ^2/NDF: 8081061.3/76

- sign 168.736+/-0.026 χ^2/NDF: 4339574.3/38



Right In: 139822.122+/-0.063 χ^2/NDF: 1663381581.4/15

Left Out: 137059.689+/-0.051 χ^2/NDF:720643844.7/21

Right Out: 139587.876+/-0.060 χ^2/NDF: 1482934186.2/18

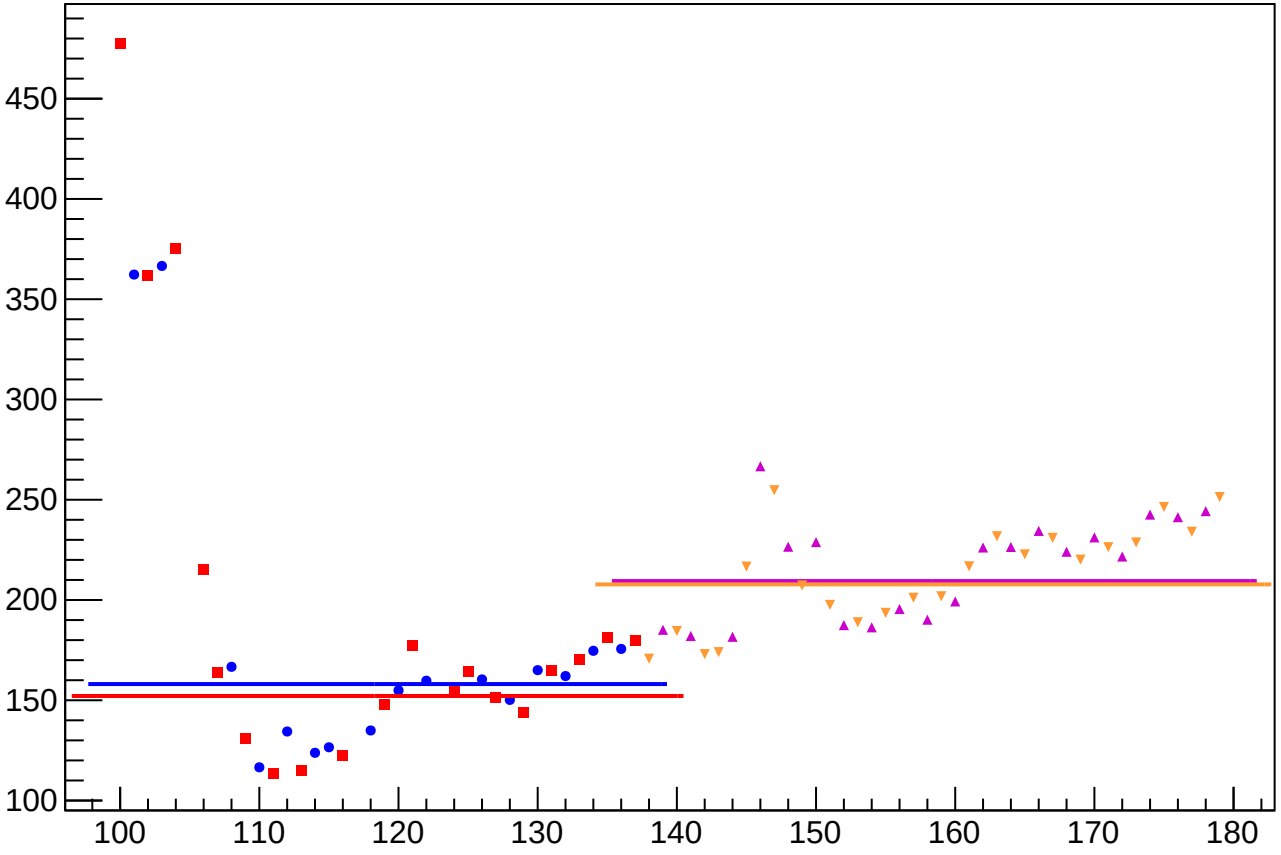
Left In: 136931.768+/-0.053 χ^2/NDF:660363597.0/19

+ sign 138151.550+/-0.039 χ^2/NDF: 3561964711.3

All: 138123.443+/-0.028 χ^2/NDF: 68177956

- sign 138095.085+/-0.040 χ^2/NDF: 3254806103.5/

yield_bpm0i02aWS_rms vs Slug



Right In: 158.079+/-0.044 χ^2/NDF: 1017928.9/15

Left Out: 207.773+/-0.036 χ^2/NDF:460562.3/21

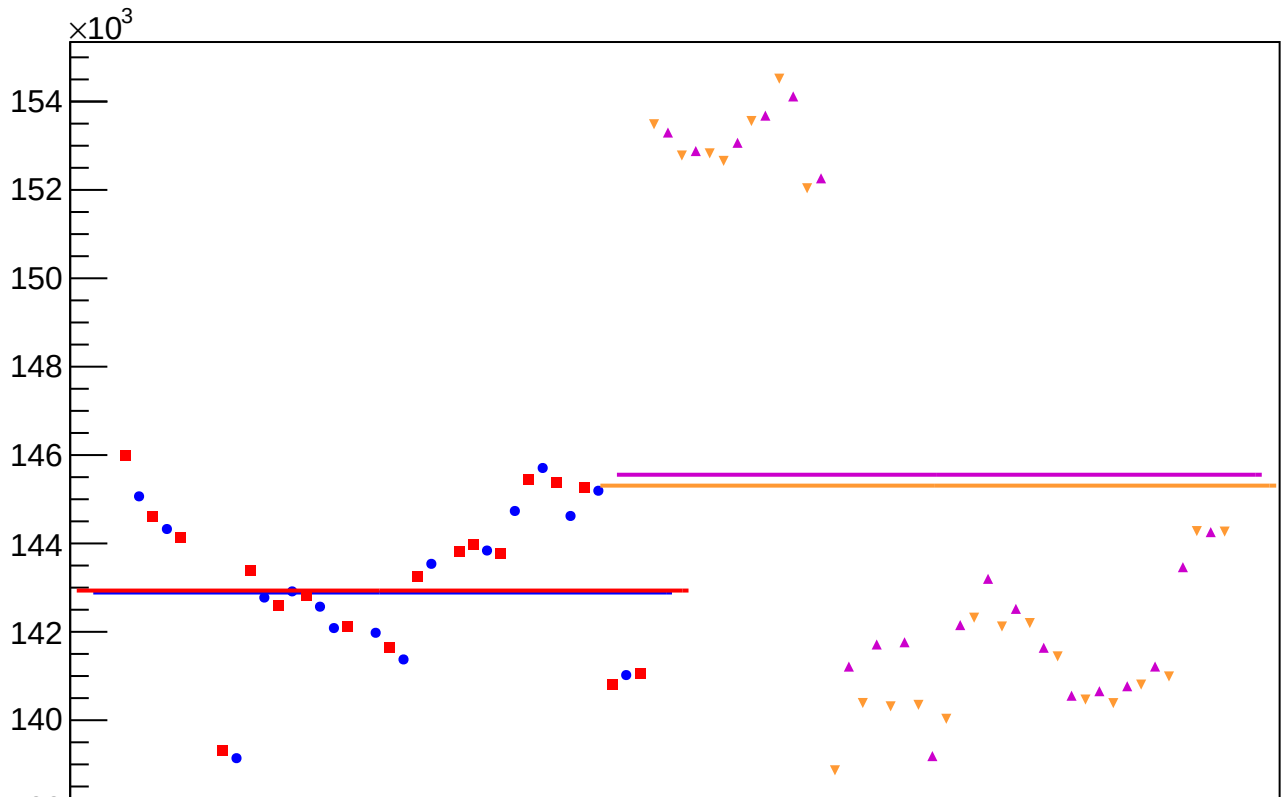
Right Out: 152.139+/-0.042 χ^2/NDF: 1229053.9/18

Left In: 209.453+/-0.037 χ^2/NDF:431255.9/19

+ sign 188.131+/-0.028 χ^2/NDF: 2240873.5/37

All: 186.249+/-0.020 χ^2/NDF: 4945447.1/76

- sign 184.351+/-0.028 χ^2/NDF: 2695383.5/38



Right In: 142889.386+/-0.066 χ^2/NDF: 763303771.6/15

Left Out: 145308.433+/-0.051 χ^2/NDF:13001946778.4/21

Right Out: 142933.890+/-0.062 χ^2/NDF: 787386856.4/18

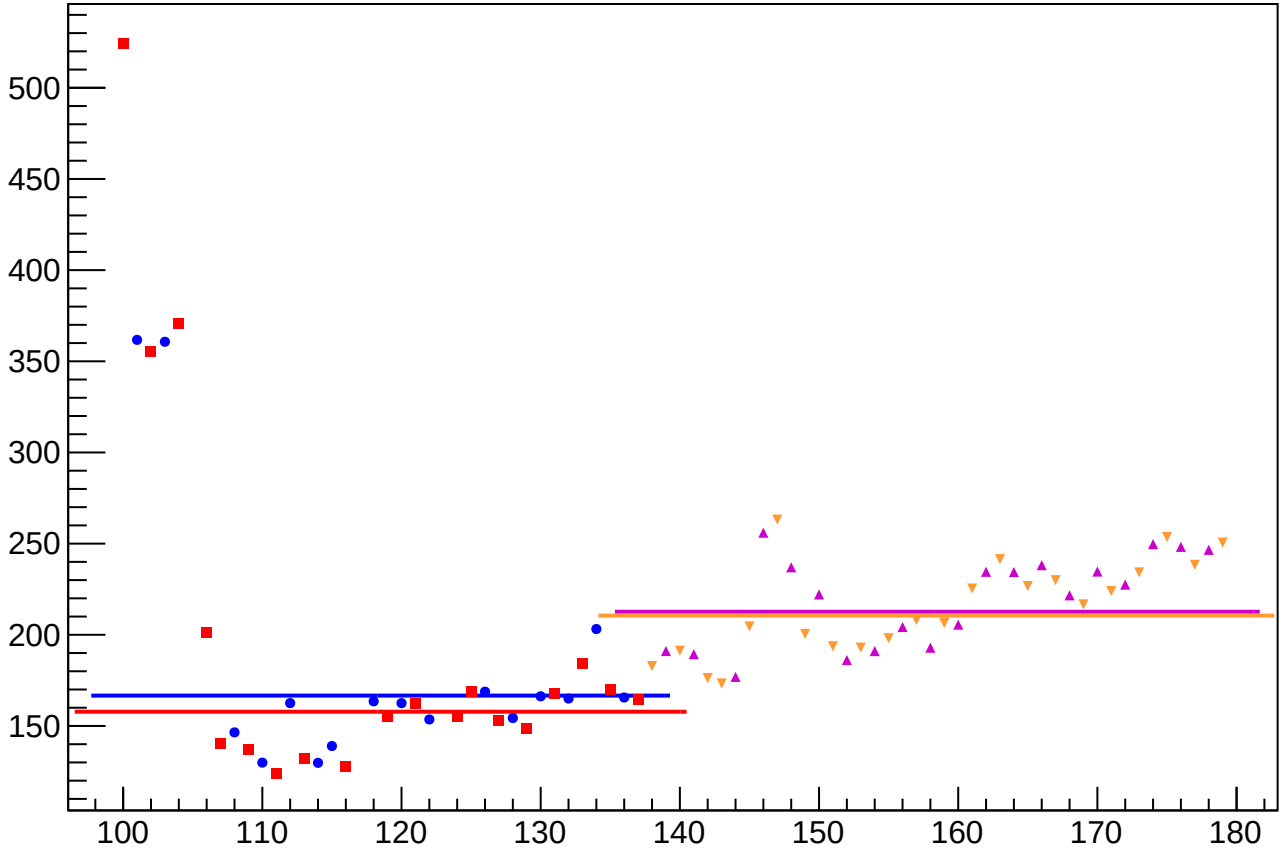
Left In: 145554.797+/-0.053 χ^2/NDF:11022399321.6/19

+ sign 144393.448+/-0.040 χ^2/NDF: 14608547849.

All: 144410.162+/-0.029 χ^2/NDF: 27451988

- sign 144426.854+/-0.040 χ^2/NDF: 12843098238.4

yield_bpm0i05WS_rms vs Slug



Right In: 166.656+/-0.046 χ^2/NDF: 863574.7/15

Left Out: 210.534+/-0.036 χ^2/NDF:444669.2/21

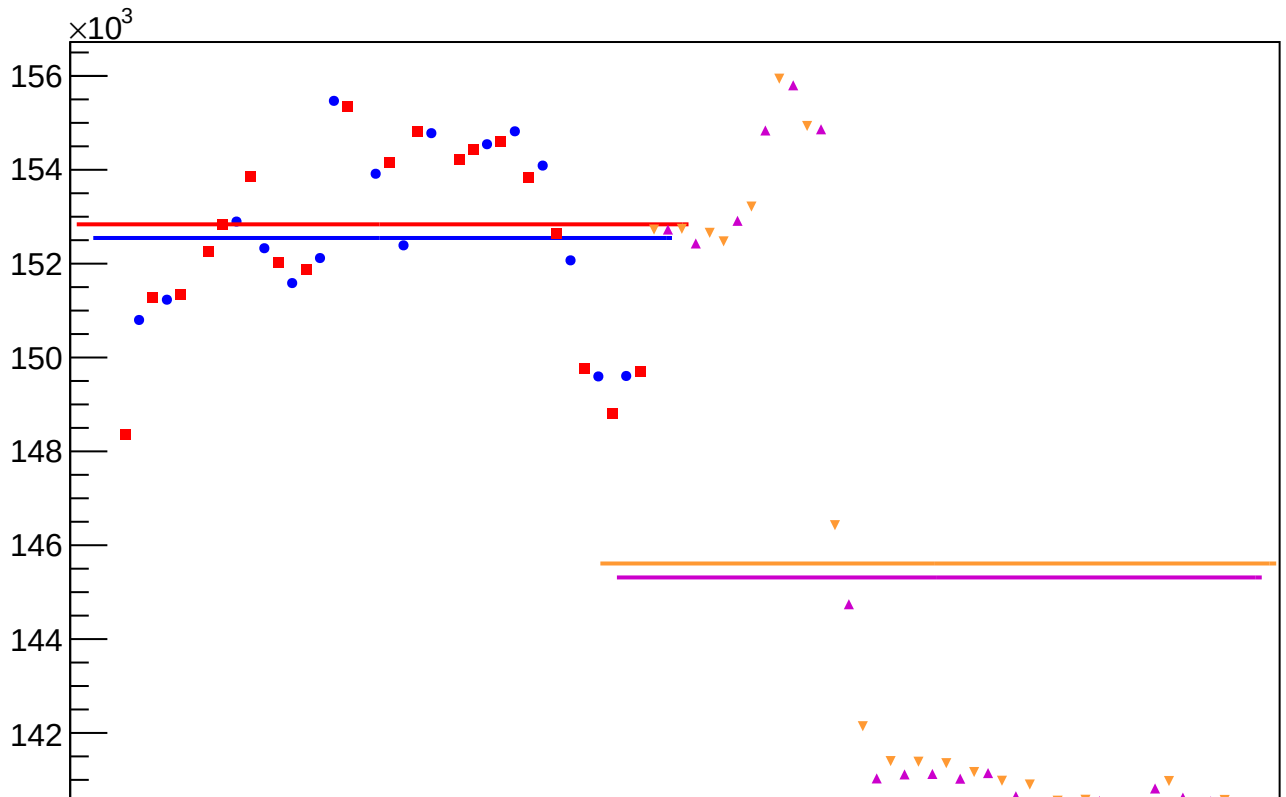
Right Out: 157.809+/-0.044 χ^2/NDF: 1022332.1/18

Left In: 212.644+/-0.038 χ^2/NDF:423147.6/19

+ sign 193.938+/-0.029 χ^2/NDF: 1863139.7/37

All: 191.490+/-0.020 χ^2/NDF: 4227923.5/76

- sign 189.045+/-0.029 χ^2/NDF: 2350102.9/38



Right In: 152546.899+/-0.073 χ^2/NDF: 654540559.6/15

Left Out: 145610.695+/-0.051 χ^2/NDF:13007976649.8/21

Right Out: 152837.888+/-0.067 χ^2/NDF: 736907066.8/18

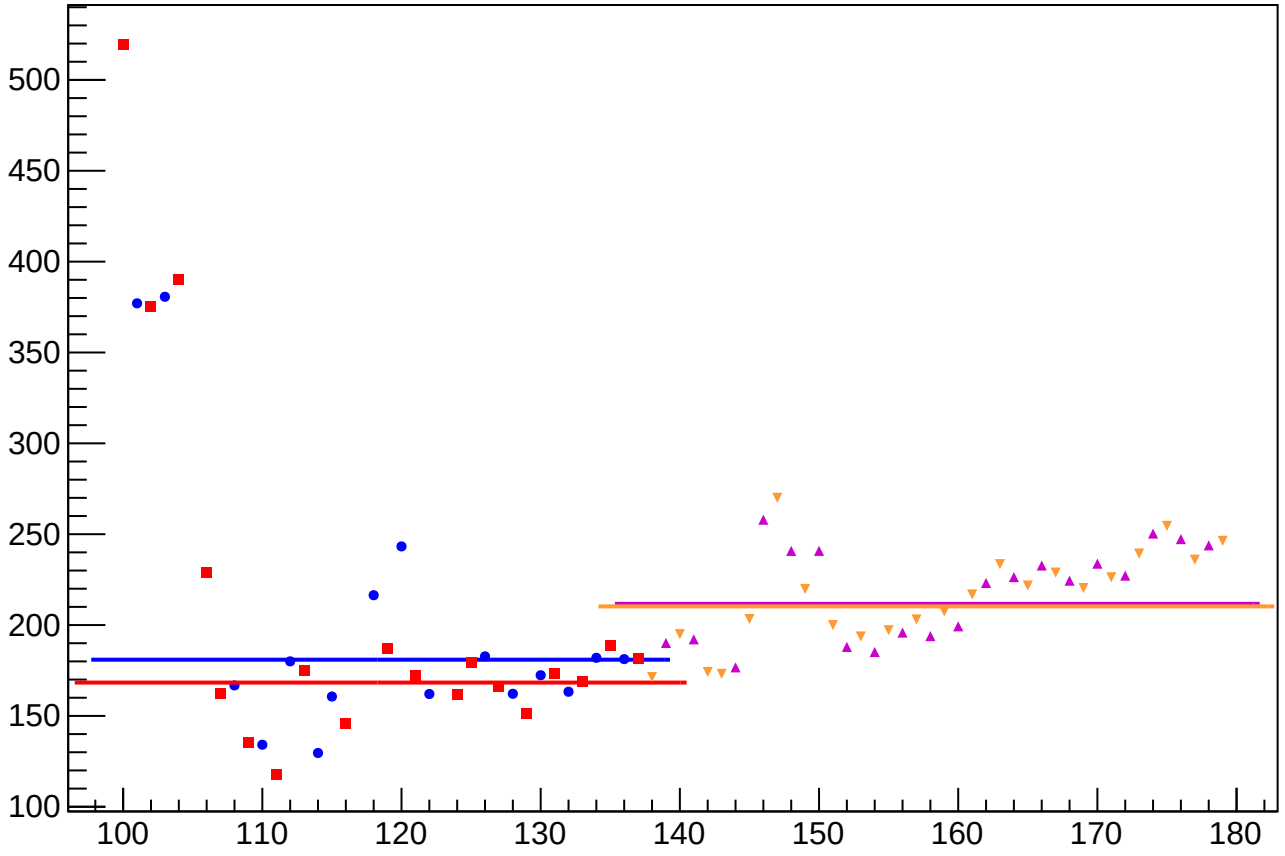
Left In: 145313.275+/-0.053 χ^2/NDF:12553646841.3/19

+ sign 147904.619+/-0.042 χ^2/NDF: 19769085001.

All: 148071.533+/-0.029 χ^2/NDF: 40882843

- sign 148236.778+/-0.042 χ^2/NDF: 21081965872.6

yield_bpm0i07WS_rms vs Slug



Right In: 180.938+/-0.051 χ^2/NDF: 907758.2/15

Left Out: 210.273+/-0.036 χ^2/NDF:478356.0/21

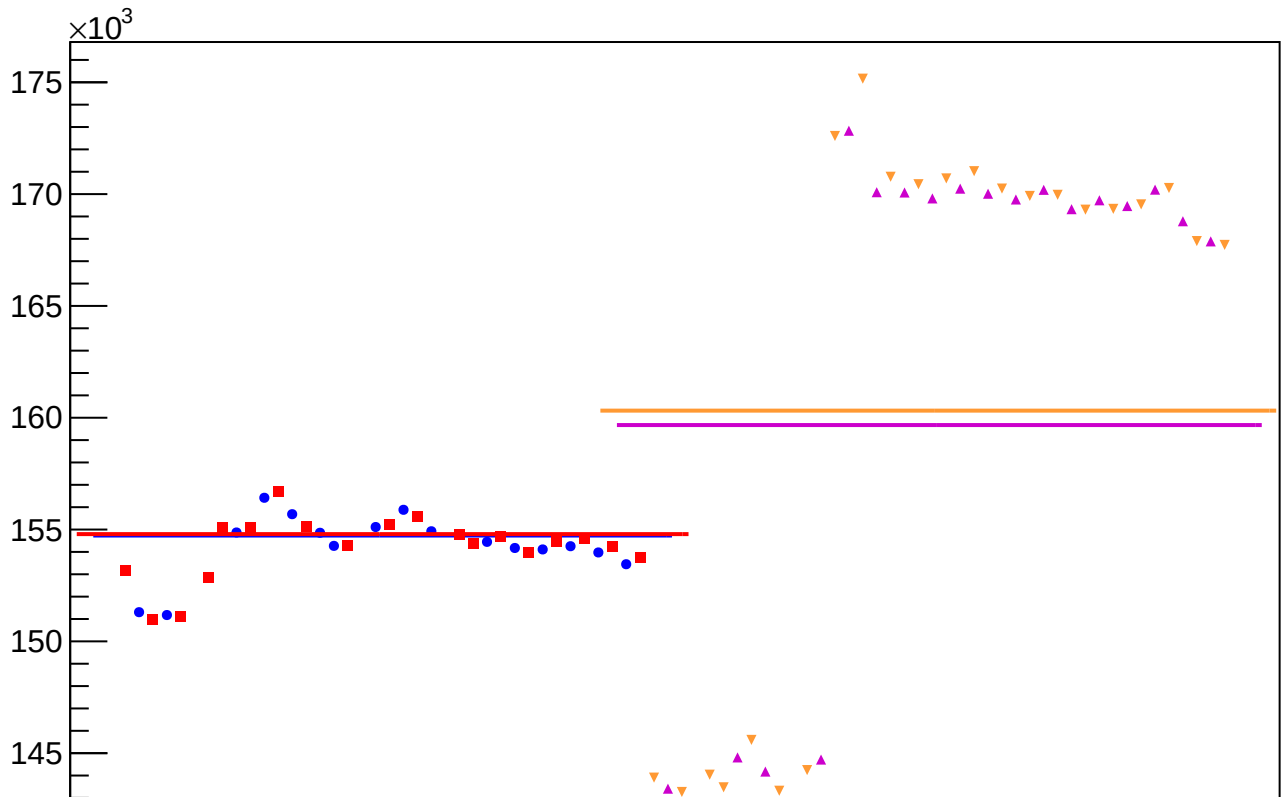
Right Out: 168.349+/-0.047 χ^2/NDF: 1089090.2/18

Left In: 211.674+/-0.038 χ^2/NDF:449316.1/19

+ sign 200.572+/-0.030 χ^2/NDF: 1604564.8/37

All: 197.692+/-0.021 χ^2/NDF: 3678492.4/76

- sign 194.841+/-0.029 χ^2/NDF: 2055000.8/38



Right In: 154733.155+/-0.065 χ^2/NDF: 274462319.1/15

Left Out: 160317.900+/-0.049 χ^2/NDF:73107932782.5/21

Right Out: 154795.893+/-0.061 χ^2/NDF: 304125082.4/18

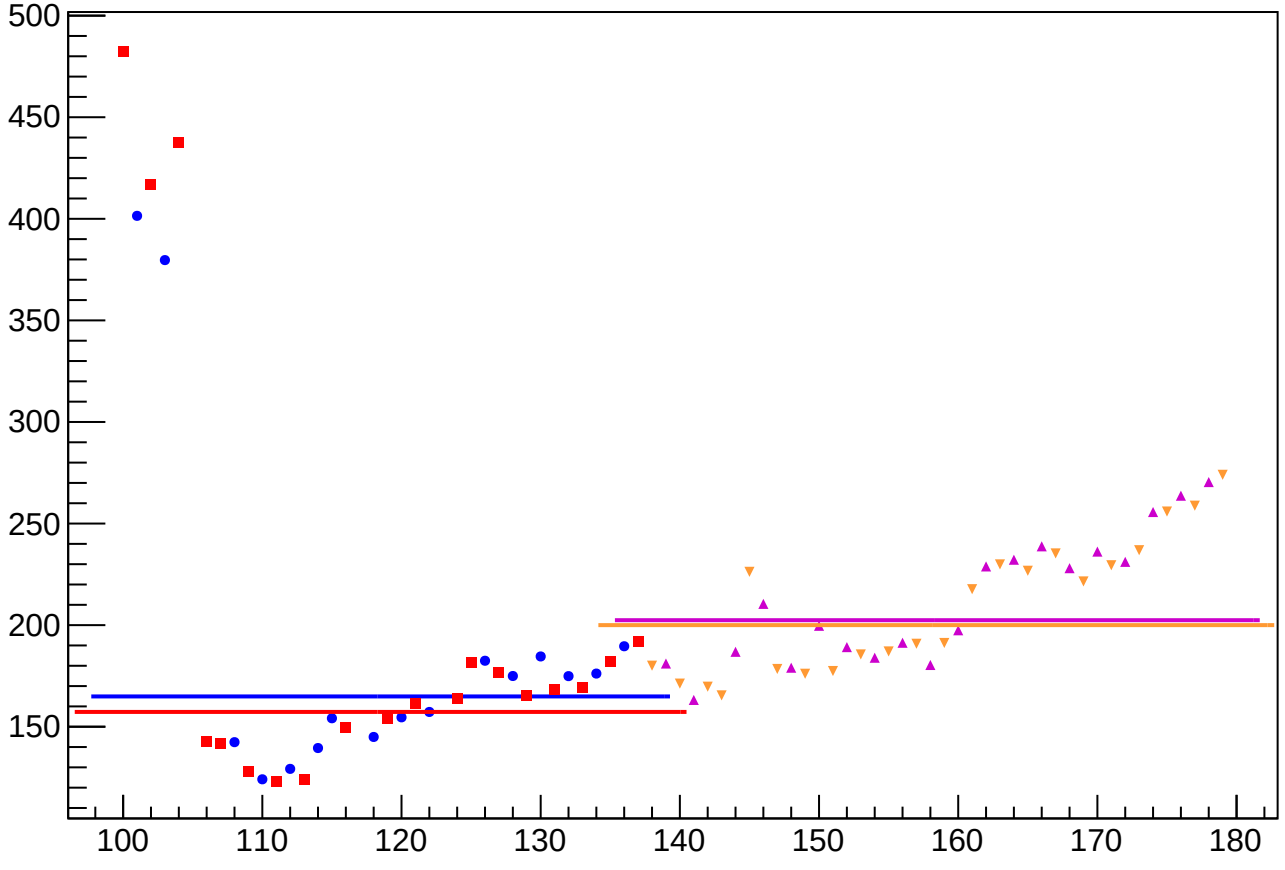
Left In: 159672.515+/-0.051 χ^2/NDF:65178820139.5/19

+ sign 158319.929+/-0.039 χ^2/NDF: 78095166378.

All: 157998.656+/-0.028 χ^2/NDF: 14748084

- sign 157676.127+/-0.039 χ^2/NDF: 69249660462.2

yield_bpm1i02WS_rms vs Slug



Right In: 164.906+/-0.046 χ^2/NDF: 1072730.7/15

Left Out: 200.005+/-0.034 χ^2/NDF:742303.9/21

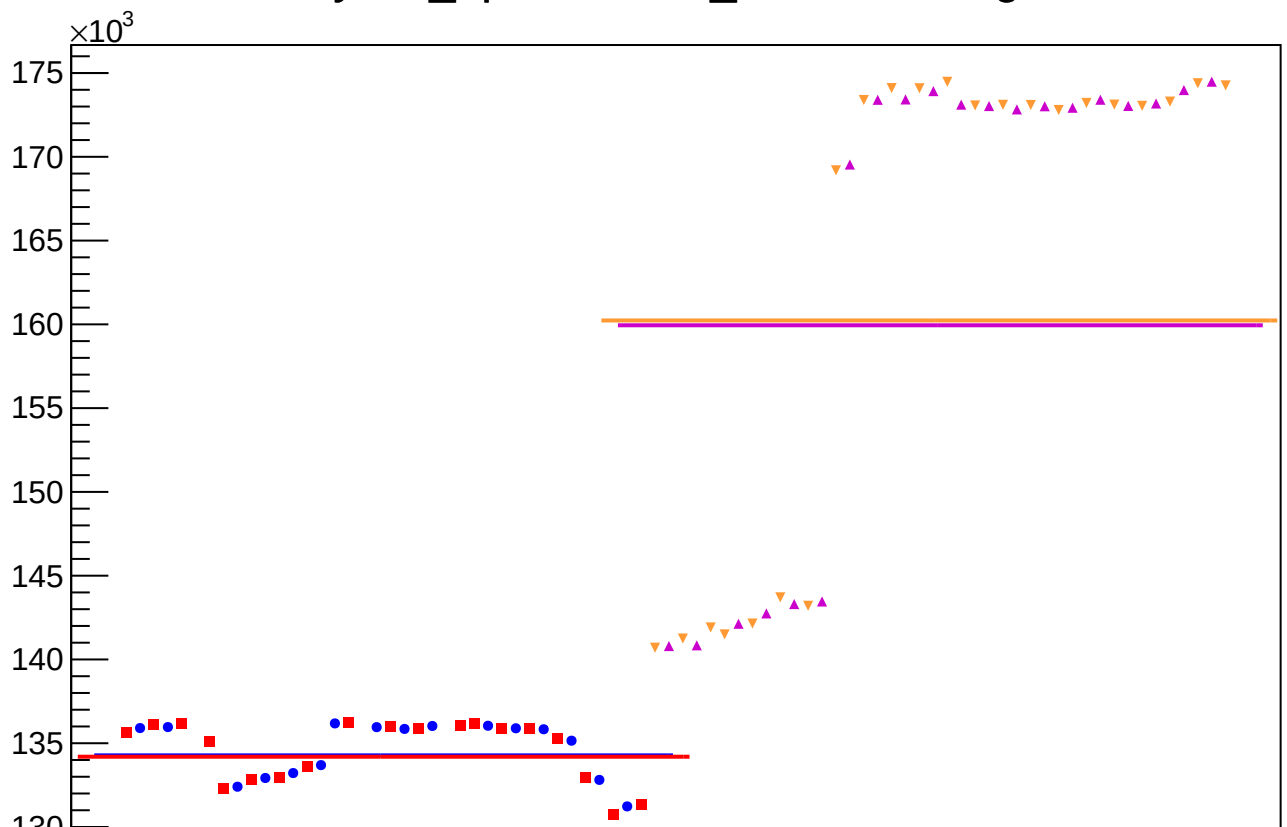
Right Out: 157.283+/-0.043 χ^2/NDF: 1254831.2/18

Left In: 202.432+/-0.036 χ^2/NDF:619292.5/19

+ sign 187.449+/-0.028 χ^2/NDF: 2187332.4/37

All: 185.702+/-0.020 χ^2/NDF: 4715230.3/76

- sign 183.949+/-0.028 χ^2/NDF: 2519859.7/38



Right In: 134276.096+/-0.051 χ^2/NDF: 1142867100.2/15

Left Out: 160232.337+/-0.050 χ^2/NDF:95751128432.8/21

Right Out: 134195.257+/-0.048 χ^2/NDF: 1205537499.7/18

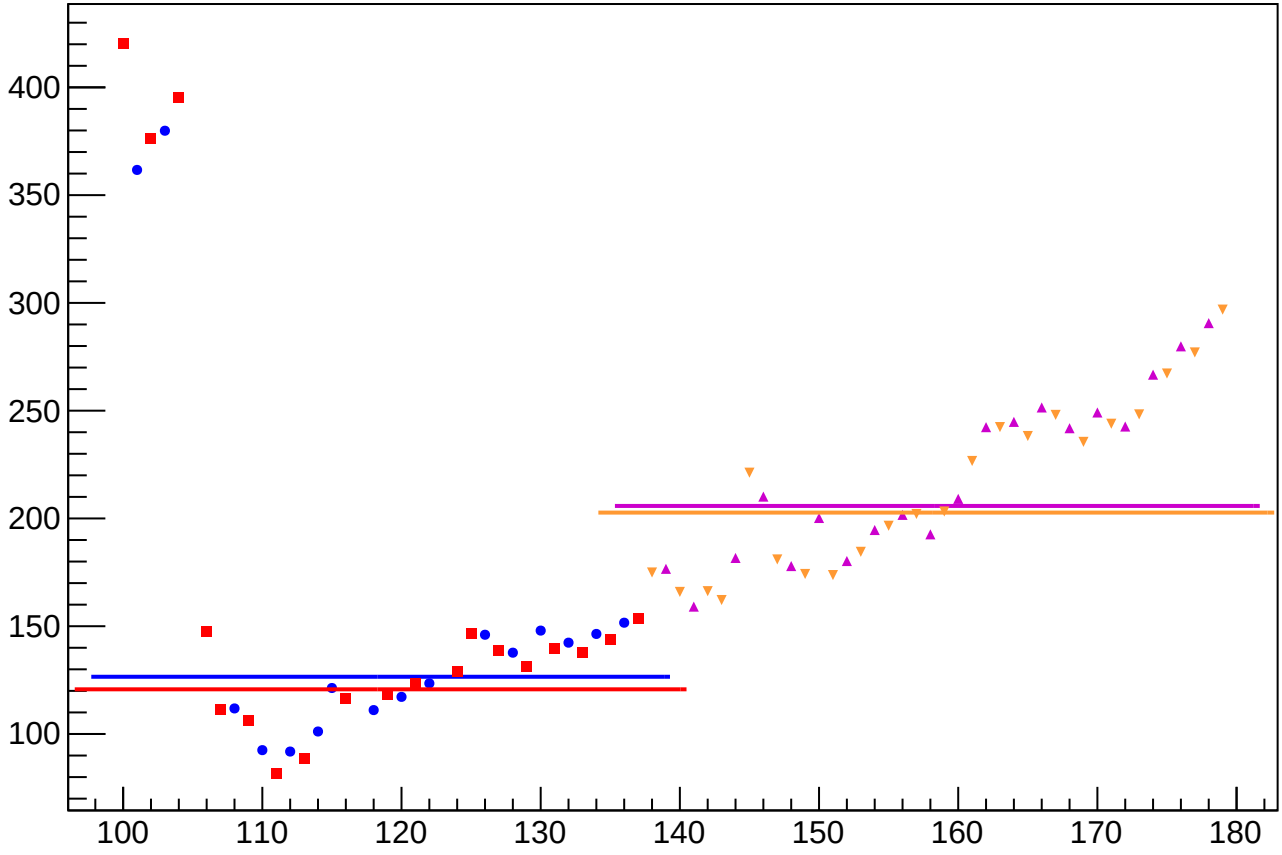
Left In: 159944.979+/-0.052 χ^2/NDF:86421627595.3/19

+ sign 147580.961+/-0.035 χ^2/NDF: 23058182894

All: 146812.021+/-0.025 χ^2/NDF: 45181572

- sign 146053.757+/-0.035 χ^2/NDF: 220301217417

yield_bpm1i04WS_rms vs Slug



Right In: 126.551+/-0.036 χ^2/NDF: 1477429.4/15

Left Out: 202.716+/-0.035 χ^2/NDF:1051490.8/21

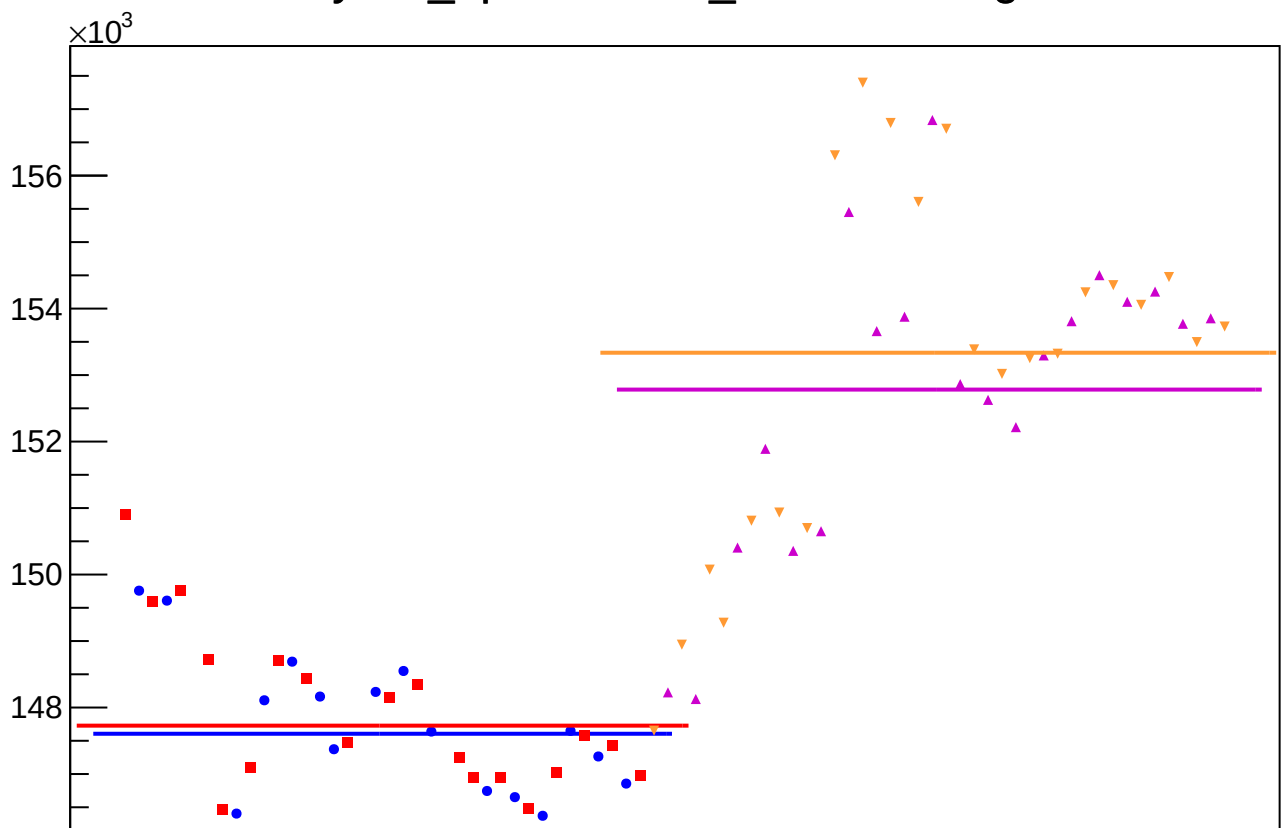
Right Out: 120.723+/-0.034 χ^2/NDF: 1632726.2/18

Left In: 205.803+/-0.037 χ^2/NDF:865161.3/19

+ sign 165.592+/-0.025 χ^2/NDF: 4831160.6/37

All: 162.729+/-0.018 χ^2/NDF: 10251750.6/76

- sign 159.905+/-0.025 χ^2/NDF: 5394719.5/38



Right In: 147605.604+/-0.062 χ^2/NDF: 200513366.5/15

Left Out: 153336.266+/-0.052 χ^2/NDF:2978089555.5/21

Right Out: 147727.598+/-0.059 χ^2/NDF: 194800119.4/18

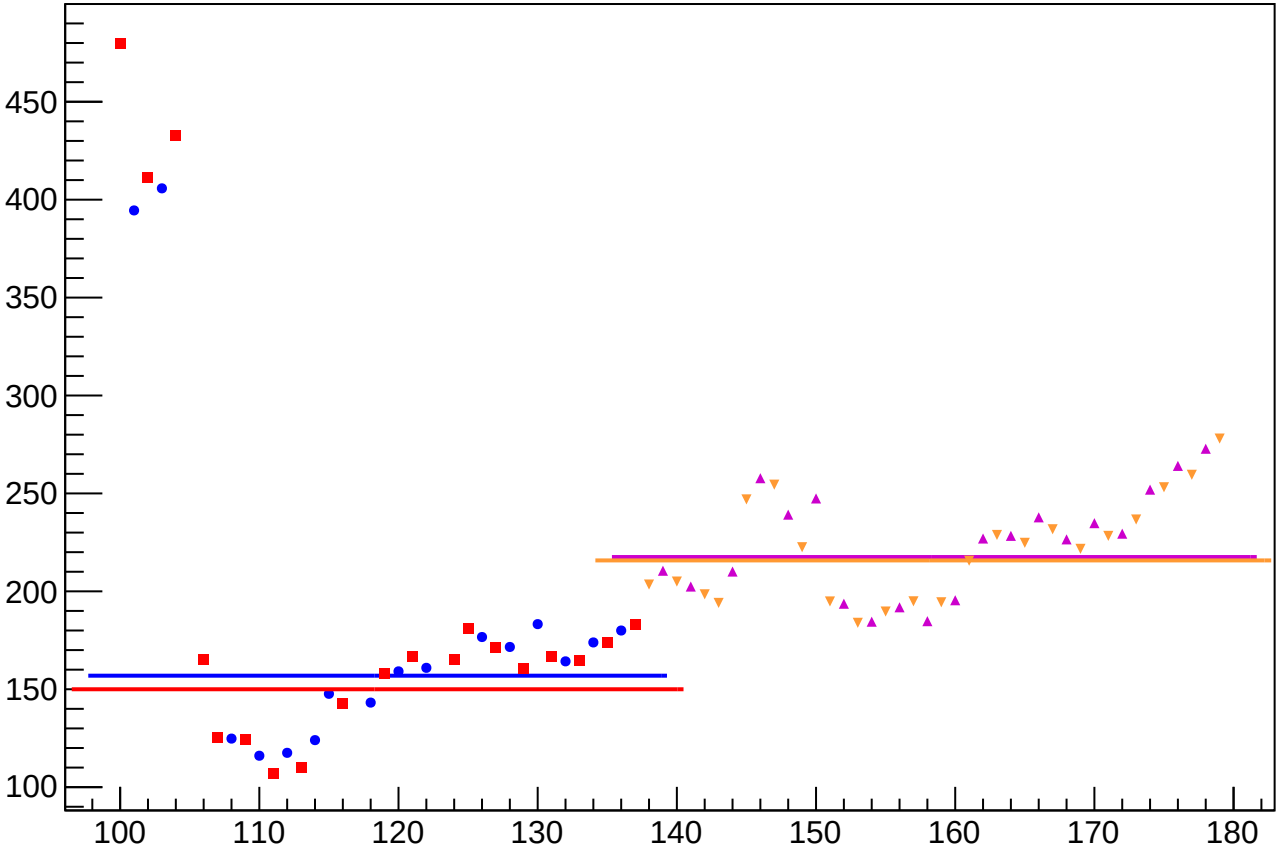
Left In: 152781.844+/-0.055 χ^2/NDF:1899070116.6/19

+ sign 150974.780+/-0.040 χ^2/NDF: 8125449943.3

All: 150712.340+/-0.028 χ^2/NDF: 14268112

- sign 150450.994+/-0.040 χ^2/NDF: 6057194759.2/

yield_bpm1i06WS_rms vs Slug



Right In: 156.927+/-0.044 χ^2/NDF: 1265768.6/15

Left Out: 215.791+/-0.037 χ^2/NDF:434890.3/21

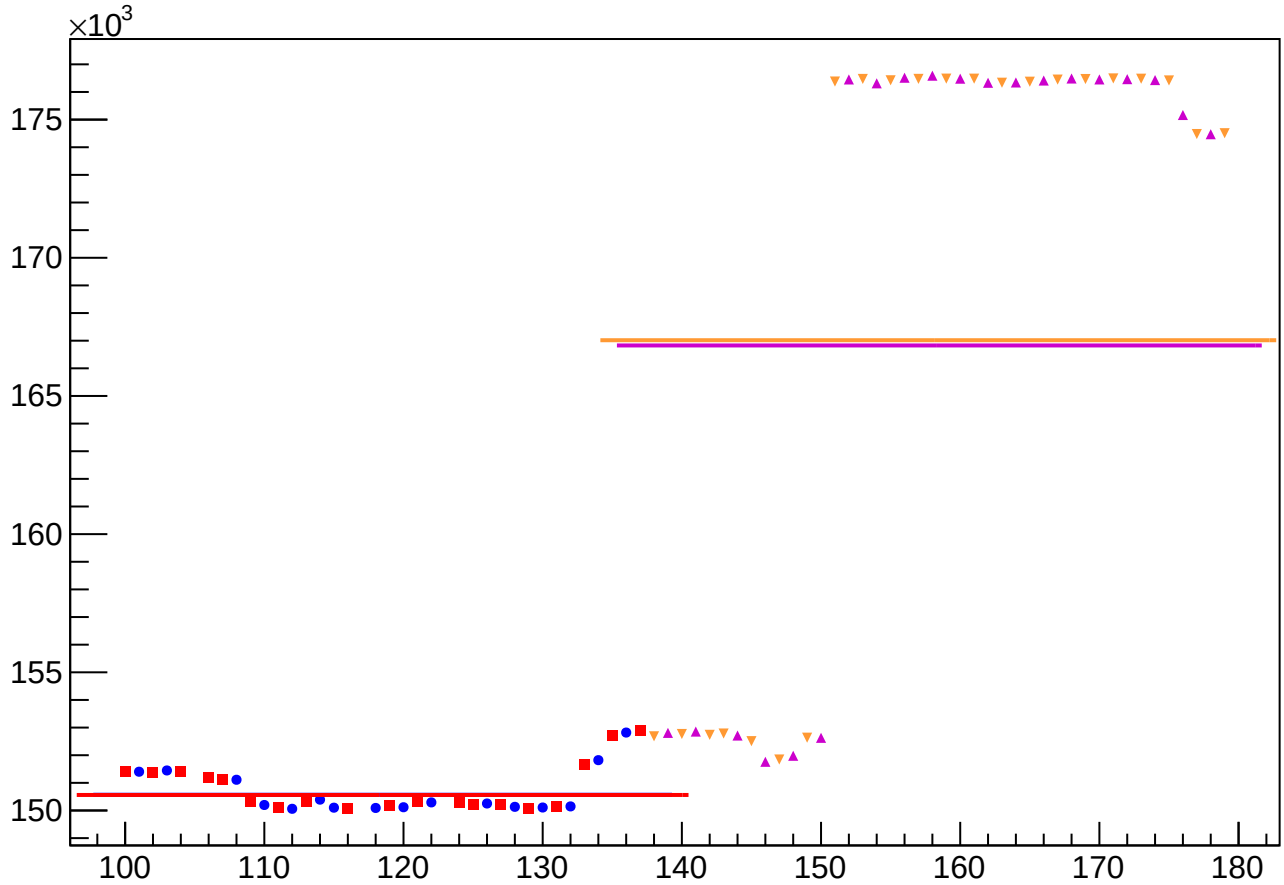
Right Out: 149.994+/-0.042 χ^2/NDF: 1453928.8/18

Left In: 217.517+/-0.039 χ^2/NDF:449032.1/19

+ sign 191.534+/-0.028 χ^2/NDF: 2744519.7/37

All: 188.951+/-0.020 χ^2/NDF: 6078810.7/76

- sign 186.378+/-0.028 χ^2/NDF: 3317724.9/38



Right In: 150568.638+/-0.055 χ^2/NDF: 237155171.8/15

Left Out: 167016.723+/-0.048 χ^2/NDF:58391880135.2721

Right Out: 150561.647+/-0.051 χ^2/NDF: 197500782.5/18

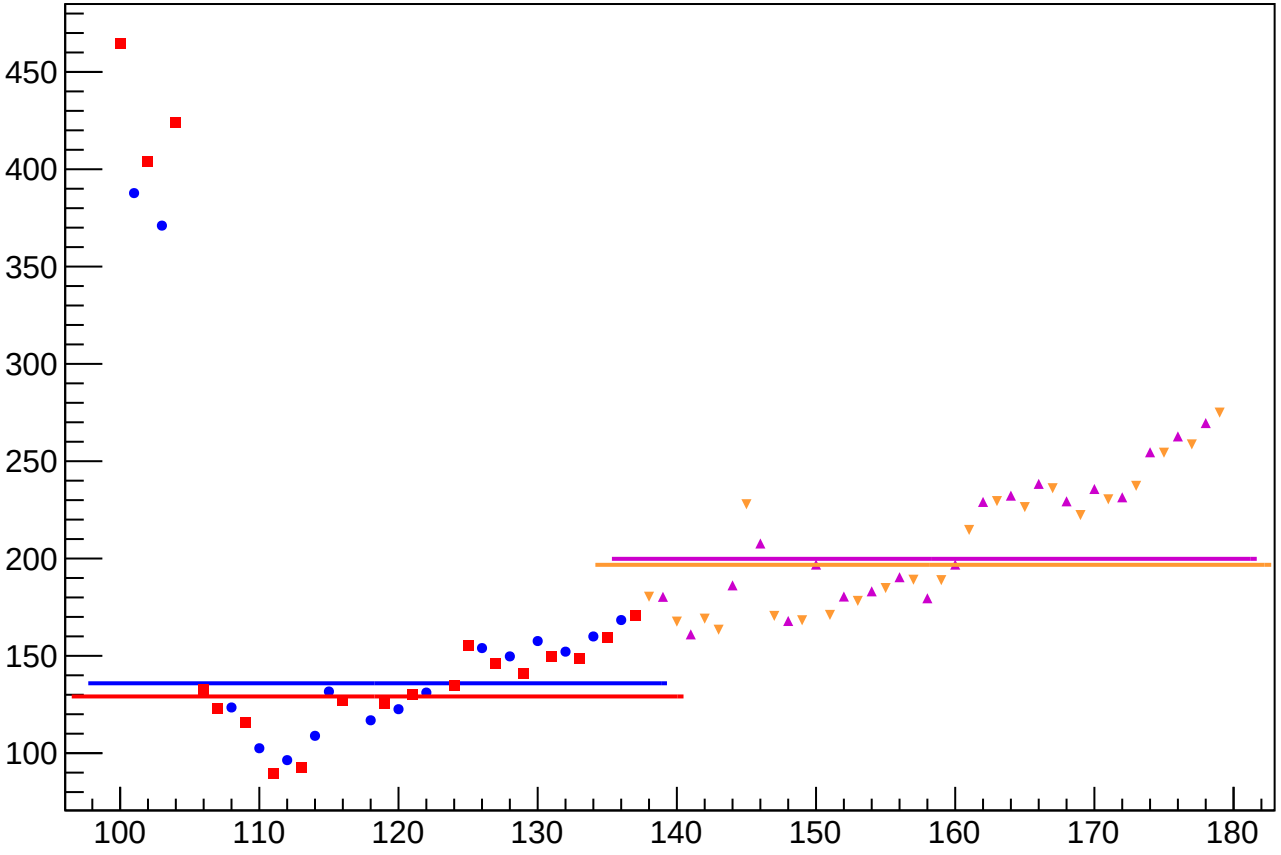
Left In: 166827.644+/-0.050 χ^2/NDF:53895361223.5/19

+ sign 159861.590+/-0.036 χ^2/NDF: 10988154145

All: 159333.074+/-0.025 χ^2/NDF: 21602994

- sign 158811.241+/-0.036 χ^2/NDF: 105720510534

yield_bpm2i01WS_rms vs Slug



Right In: 135.896+/-0.039 χ^2/NDF: 1416332.3/15

Left Out: 196.763+/-0.034 χ^2/NDF:856636.9/21

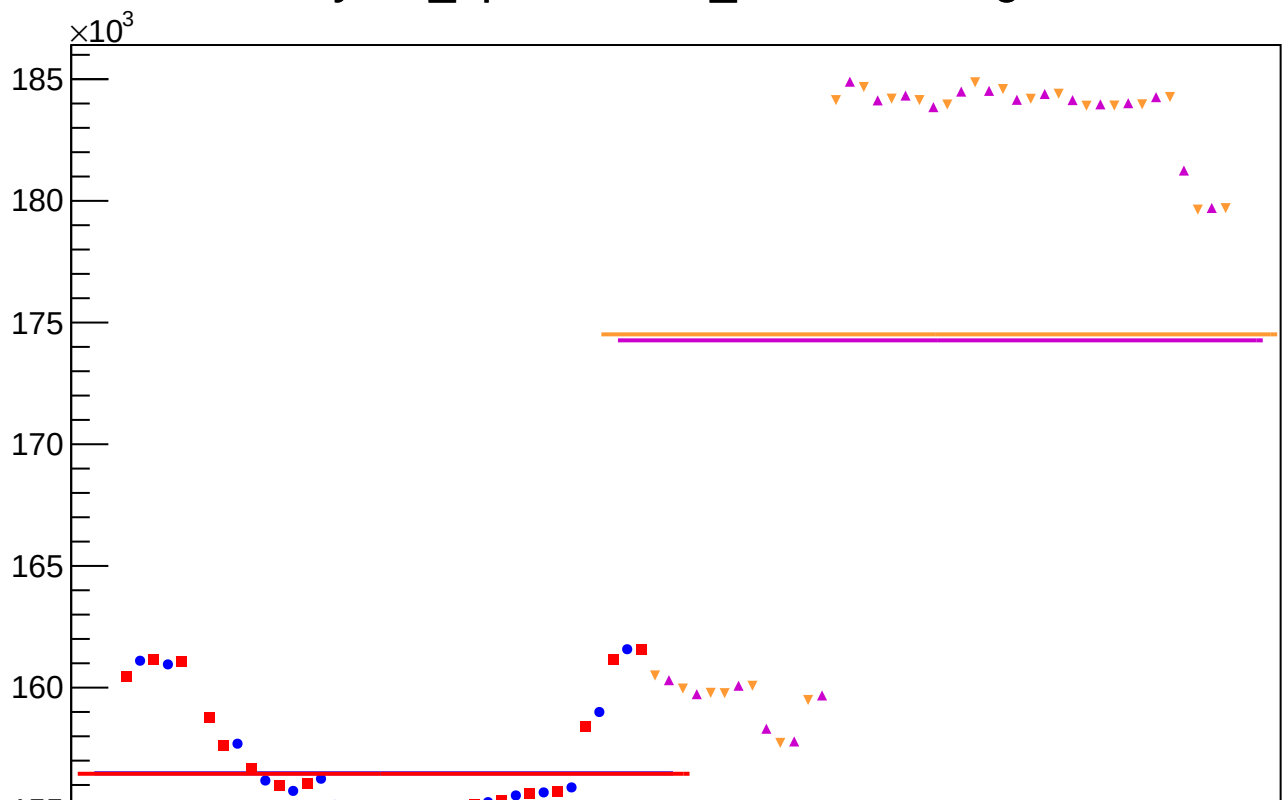
Right Out: 129.130+/-0.036 χ^2/NDF: 1614311.0/18

Left In: 199.839+/-0.036 χ^2/NDF:690653.8/19

+ sign 170.285+/-0.025 χ^2/NDF: 3676696.9/37

All: 167.621+/-0.018 χ^2/NDF: 7954543.2/76

- sign 164.991+/-0.025 χ^2/NDF: 4256105.9/38



Right In: 156478.318+/-0.057 χ^2/NDF: 1289449253.3/15

Left Out: 174515.117+/-0.049 χ^2/NDF:57571903463.0/21

Right Out: 156460.550+/-0.053 χ^2/NDF: 1100531658.8/18

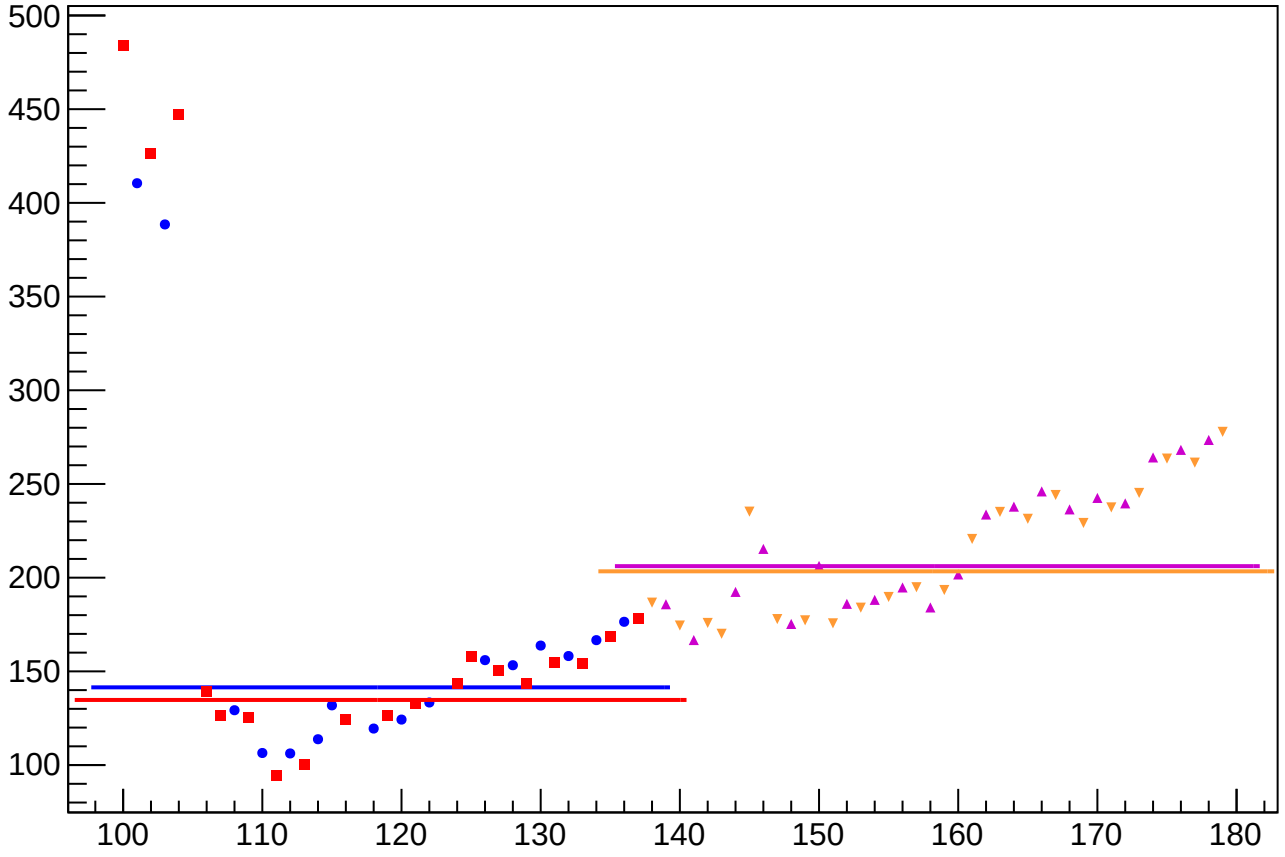
Left In: 174268.442+/-0.052 χ^2/NDF:54159402221.8/19

+ sign 166733.062+/-0.037 χ^2/NDF: 11616375270

All: 166155.650+/-0.026 χ^2/NDF: 2294704

- sign 165585.044+/-0.037 χ^2/NDF: 11283067405

yield_bpm2i02WS_rms vs Slug



Right In: 141.470+/-0.040 χ^2/NDF: 1391933.2/15

Left Out: 203.386+/-0.035 χ^2/NDF:799390.3/21

Right Out: 134.746+/-0.038 χ^2/NDF: 1579031.5/18

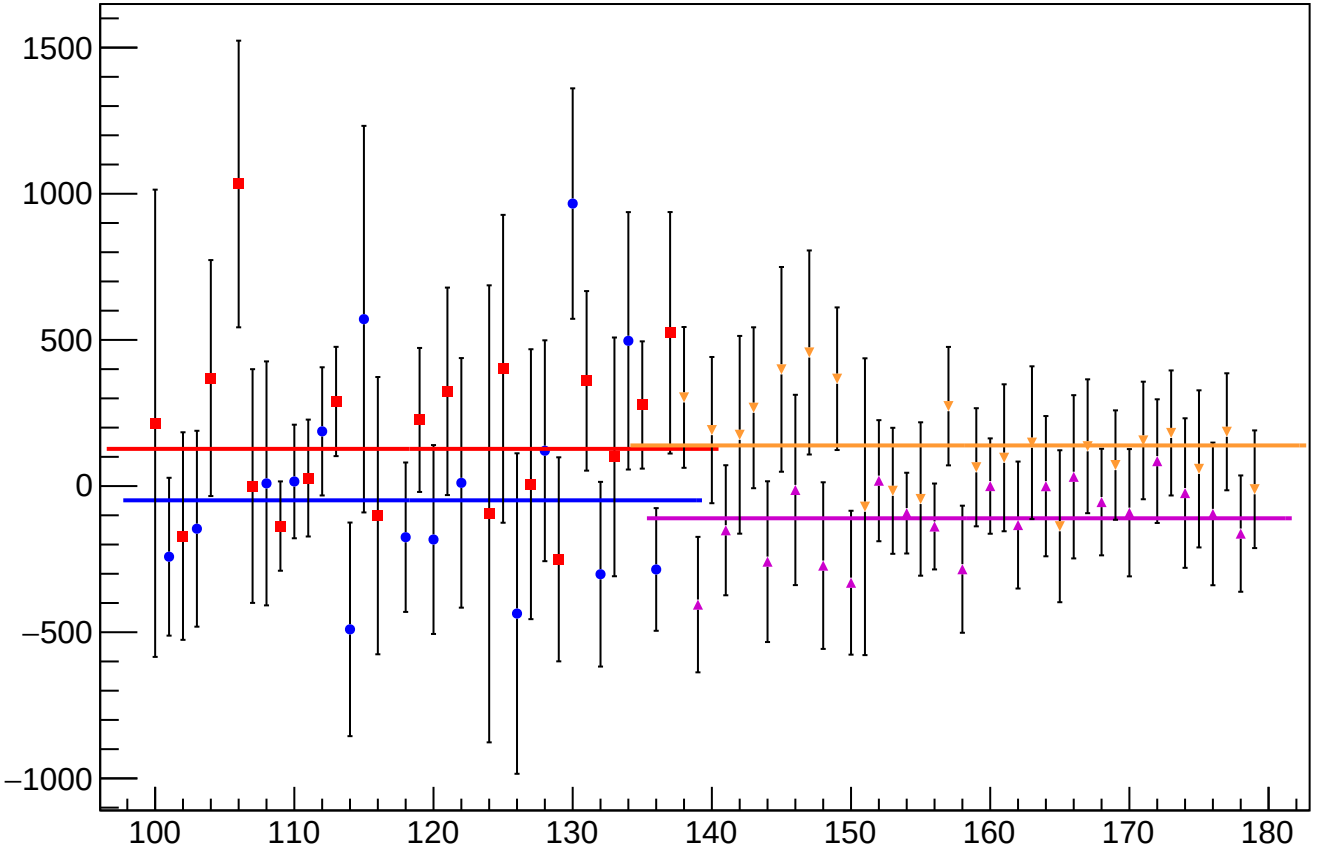
Left In: 206.150+/-0.037 χ^2/NDF:667393.2/19

+ sign 176.672+/-0.026 χ^2/NDF: 3541786.2/37

All: 173.986+/-0.019 χ^2/NDF: 7660013.2/76

- sign 171.332+/-0.026 χ^2/NDF: 4097632.0/38

asym_bcm_target_mean vs Slug



Right In: -48.749+/-76.592 χ^2/NDF: 15.4/15

Left Out: 139.038+/-51.293 χ^2/NDF:6.8/21

Right Out: 127.249+/-68.506 χ^2/NDF: 12.9/18

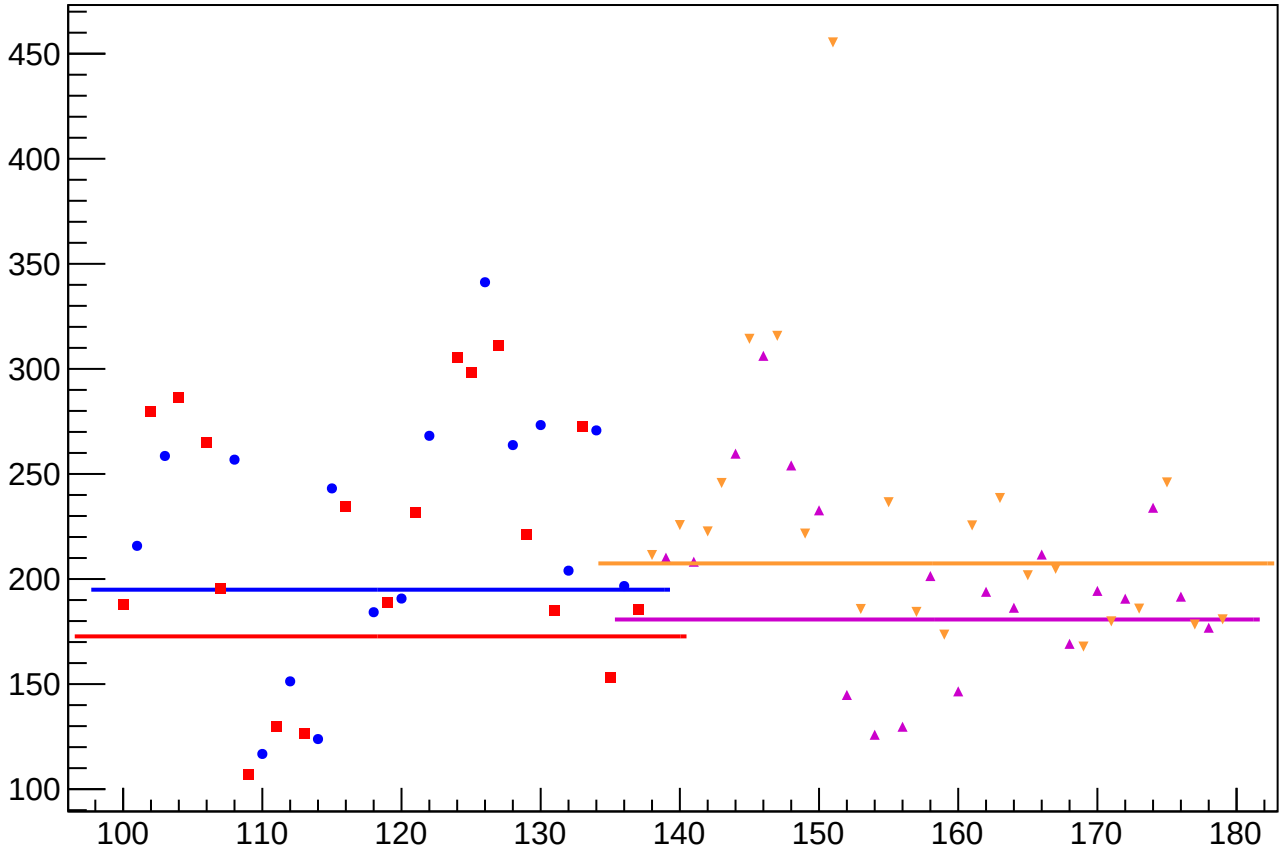
Left In: -110.191+/-46.965 χ^2/NDF:6.3/19

+ sign 80.895+/-42.619 χ^2/NDF: 26.4/37

All: 17.826+/-28.665 χ^2/NDF: 57.7/76

- sign -34.276+/-38.736 χ^2/NDF: 27.3/38

asym_bcm_target_rms vs Slug



Right In: 194.923+/-0.054 χ^2/NDF: 1028901.2/15

Left Out: 207.431+/-0.036 χ^2/NDF:1349230.5/21

Right Out: 172.704+/-0.048 χ^2/NDF: 1631350.4/18

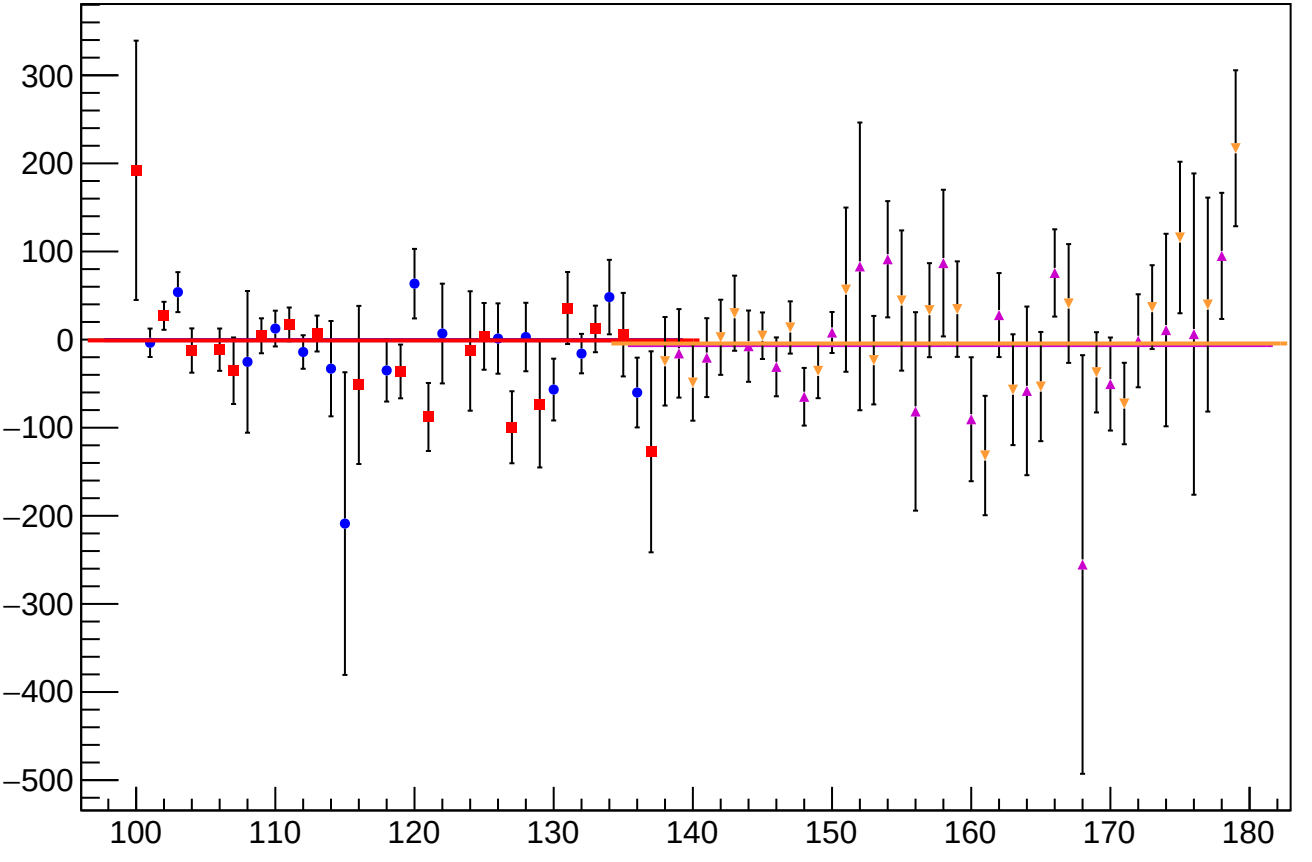
Left In: 180.744+/-0.033 χ^2/NDF:1613376.5/19

+ sign 203.558+/-0.030 χ^2/NDF: 2414954.8/37

All: 189.657+/-0.020 χ^2/NDF: 6066963.5/76

- sign 178.173+/-0.027 χ^2/NDF: 3263468.2/38

asym_bcm_an_diff_mean vs Slug



Right In: -0.624+/-7.340 χ^2/NDF: 18.9/15

Left Out: -4.416+/-10.164 χ^2/NDF:22.4/21

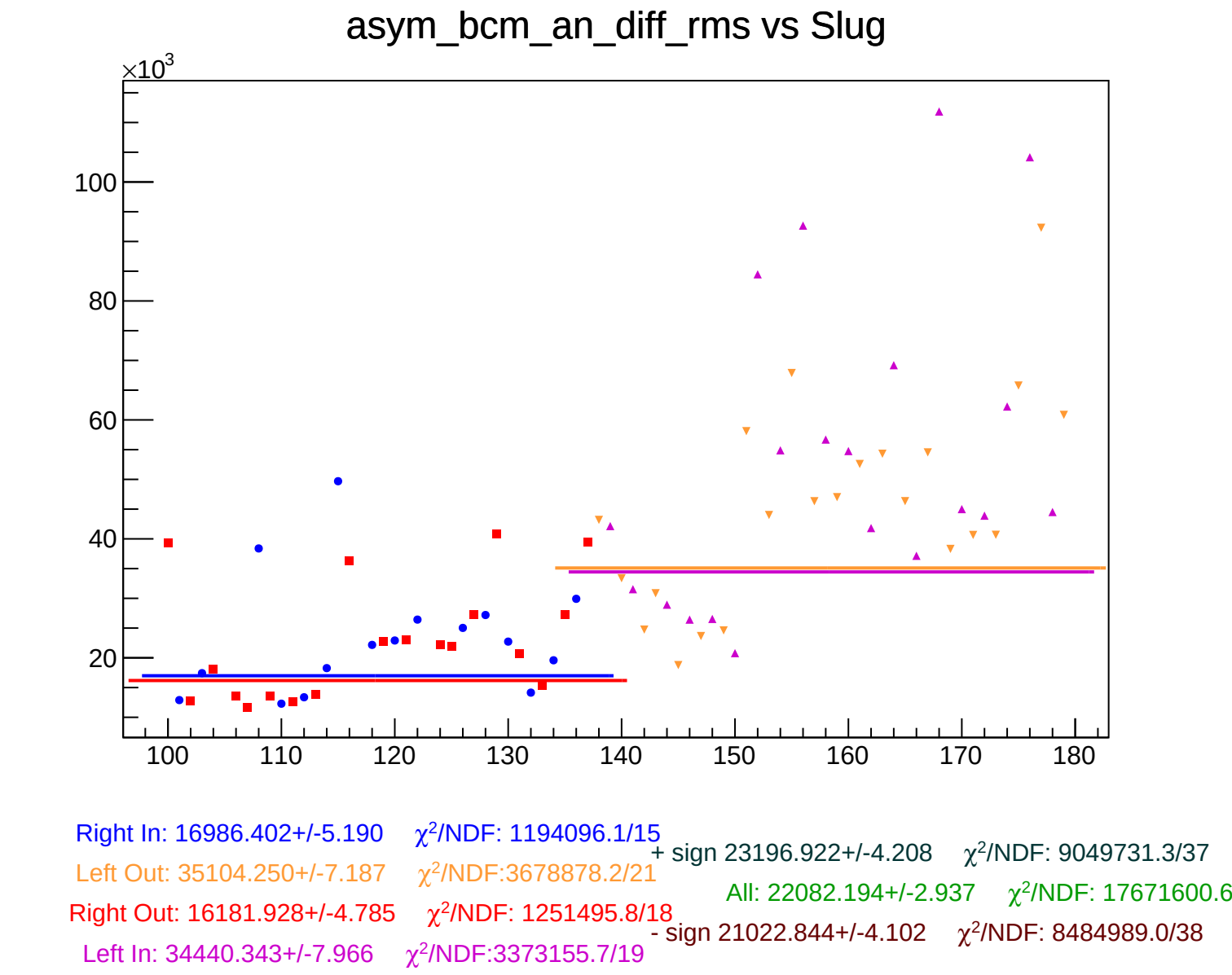
Right Out: -0.938+/-6.767 χ^2/NDF: 23.1/18

Left In: -6.235+/-11.266 χ^2/NDF:17.3/19

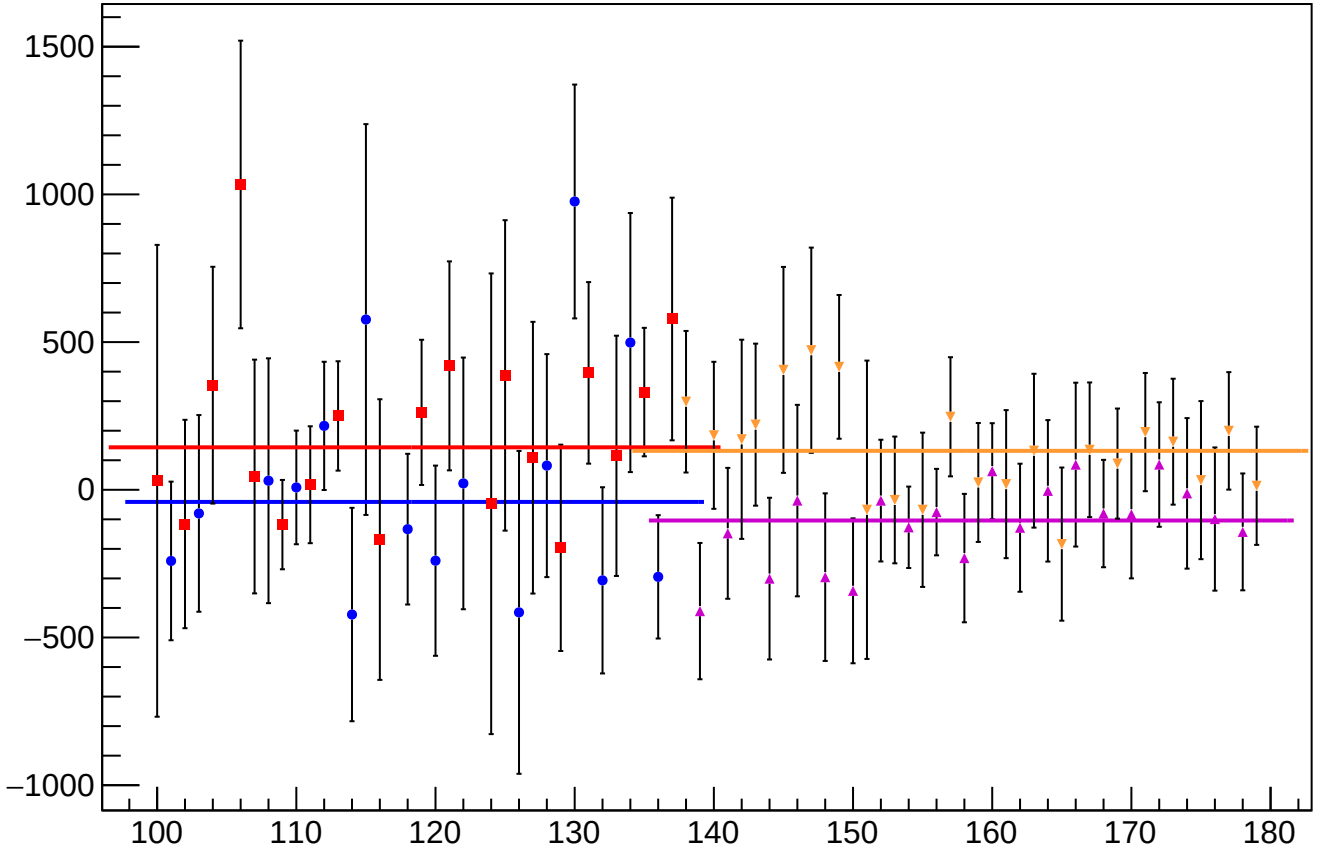
+ sign -1.924+/-5.951 χ^2/NDF: 41.4/37

All: -2.138+/-4.154 χ^2/NDF: 81.9/76

- sign -2.342+/-5.801 χ^2/NDF: 40.5/38


asym_bcm_an_diff_rms vs Slug
×10^3
100
80
60
40
20
100
110
120
130
140
150
160
170
180
Right In: 16986.402+/-5.190 χ²/NDF: 1194096.1/15
Left Out: 35104.250+/-7.187 χ²/NDF:3678878.2/21
Right Out: 16181.928+/-4.785 χ²/NDF: 1251495.8/18
Left In: 34440.343+/-7.966 χ²/NDF:3373155.7/19
+ sign 23196.922+/-4.208 χ²/NDF: 9049731.3/37
All: 22082.194+/-2.937 χ²/NDF: 17671600.6
- sign 21022.844+/-4.102 χ²/NDF: 8484989.0/38

asym_bcm_an_ds_mean vs Slug



Right In: -41.048+/-76.156 χ^2/NDF: 15.5/15

Left Out: 131.858+/-51.068 χ^2/NDF:8.0/21

Right Out: 143.821+/-68.080 χ^2/NDF: 13.0/18

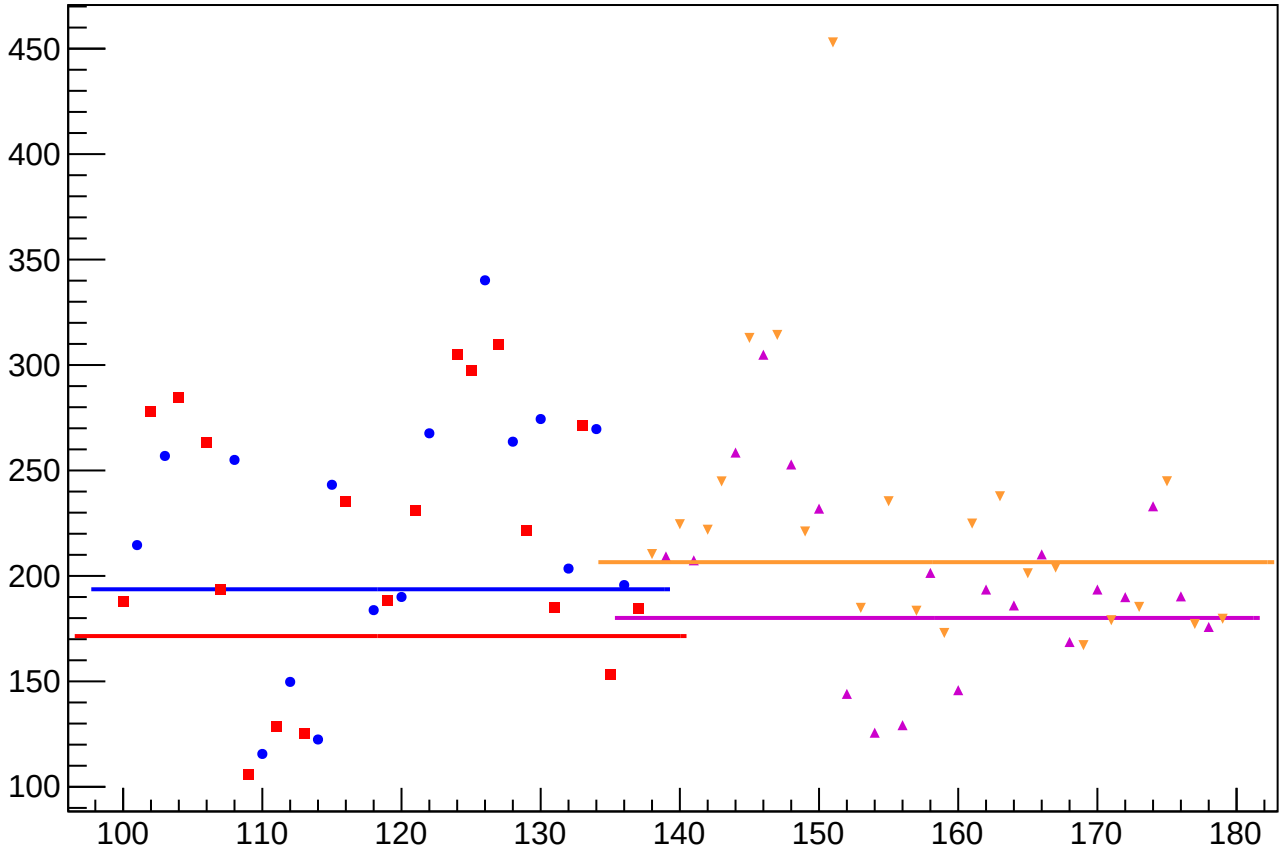
Left In: -103.936+/-46.788 χ^2/NDF:7.0/19

+ sign 78.226+/-42.415 χ^2/NDF: 27.0/37

All: 22.008+/-28.532 χ^2/NDF: 59.2/76

- sign -24.456+/-38.560 χ^2/NDF: 29.0/38

asym_bcm_an_ds_rms vs Slug



Right In: 193.670+/-0.054 χ^2/NDF: 1049772.0/15

Left Out: 206.524+/-0.036 χ^2/NDF:1350394.2/21

Right Out: 171.484+/-0.048 χ^2/NDF: 1652989.7/18

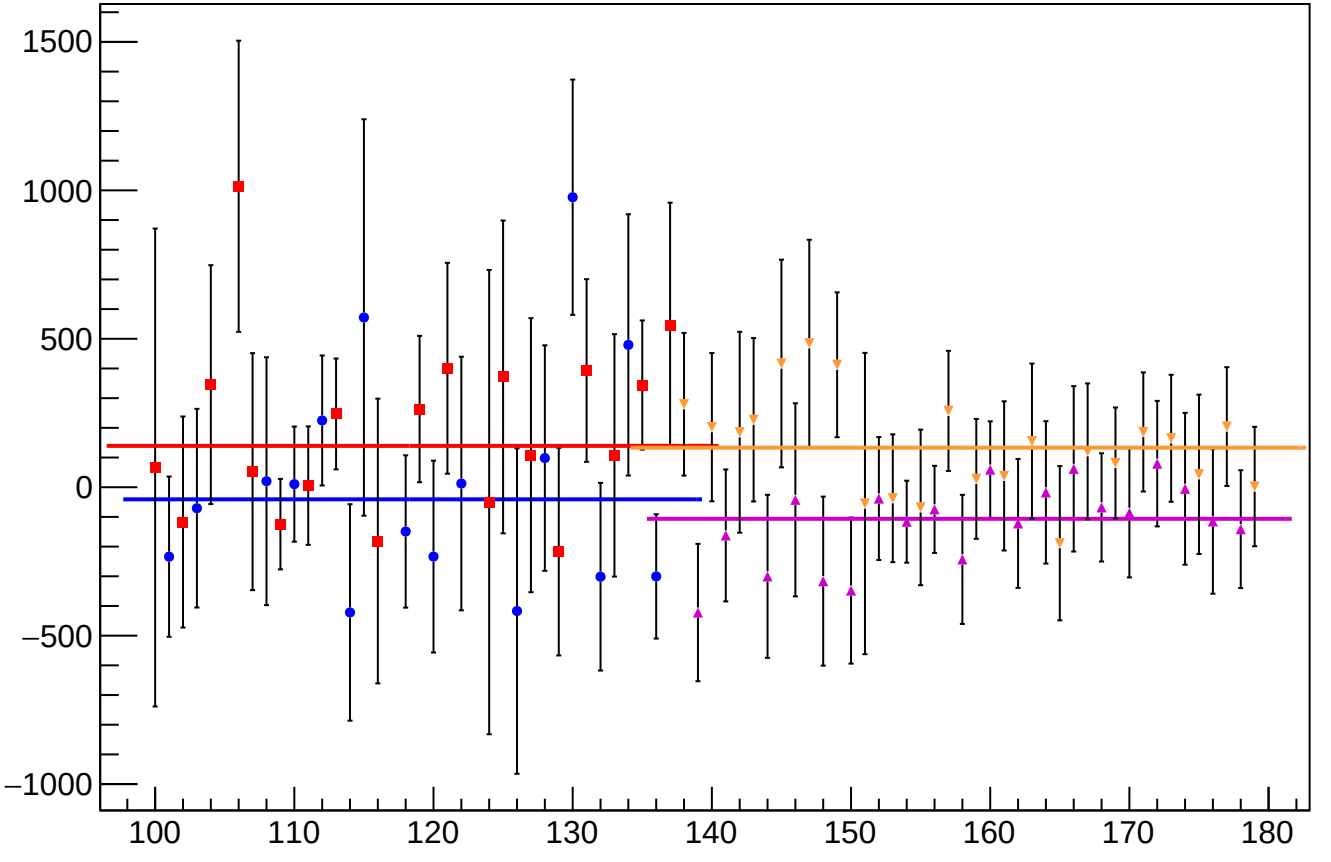
Left In: 180.079+/-0.033 χ^2/NDF:1609658.3/19

\+ sign 202.537+/-0.030 χ^2/NDF: 2439465.1/37

All: 188.732+/-0.020 χ^2/NDF: 6110756.8/76

\- sign 177.322+/-0.027 χ^2/NDF: 3284300.0/38

asym_bcm_an_ds3_mean vs Slug



Right In: -40.798+/-76.579 χ^2/NDF: 15.4/15

Left Out: 133.203+/-51.242 χ^2/NDF:8.1/21

Right Out: 139.292+/-68.459 χ^2/NDF: 12.9/18

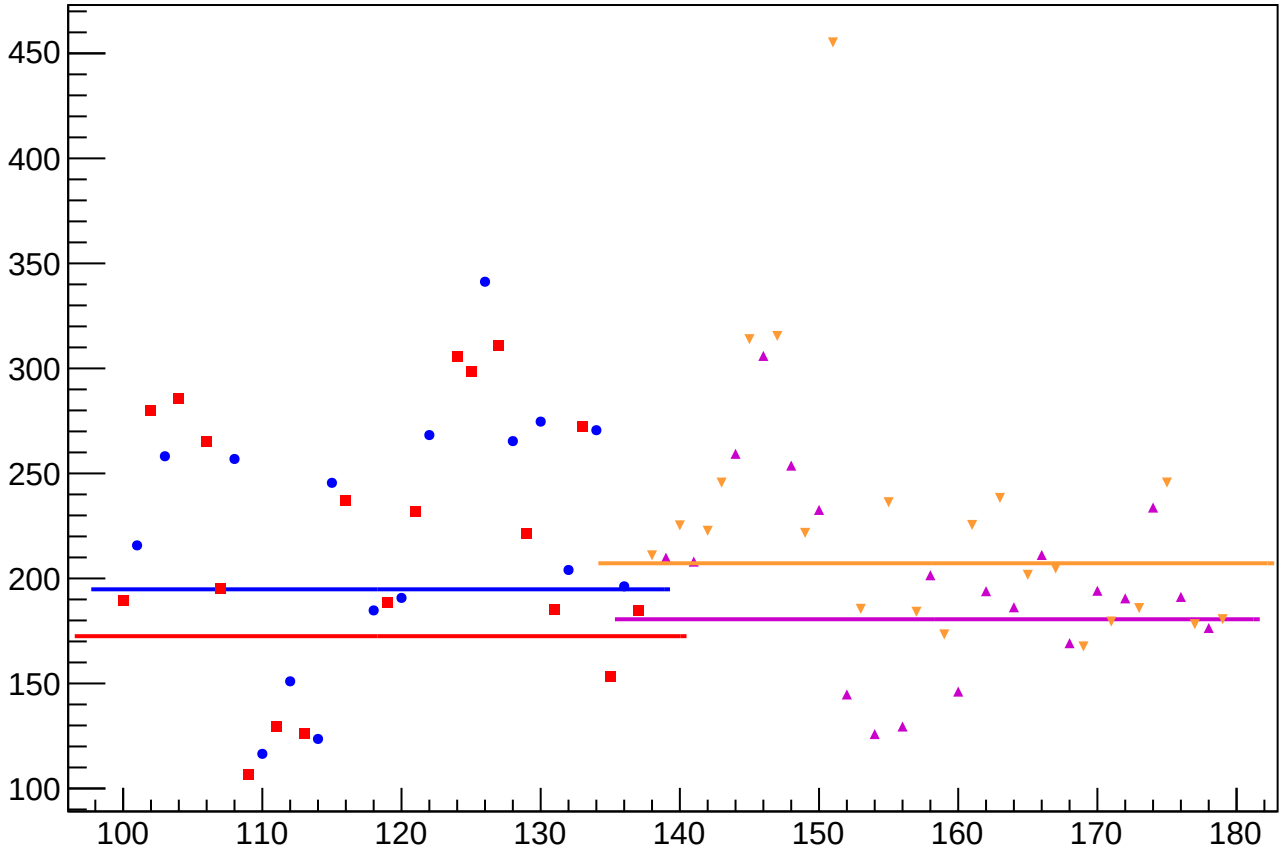
Left In: -106.399+/-46.919 χ^2/NDF:7.1/19

+ sign 79.390+/-42.587 χ^2/NDF: 27.0/37

All: 20.640+/-28.642 χ^2/NDF: 59.2/76

- sign -27.878+/-38.702 χ^2/NDF: 28.7/38

asym_bcm_an_ds3_rms vs Slug



Right In: 194.819+/-0.054 χ^2/NDF: 1039096.7/15

Left Out: 207.219+/-0.036 χ^2/NDF:1350720.0/21

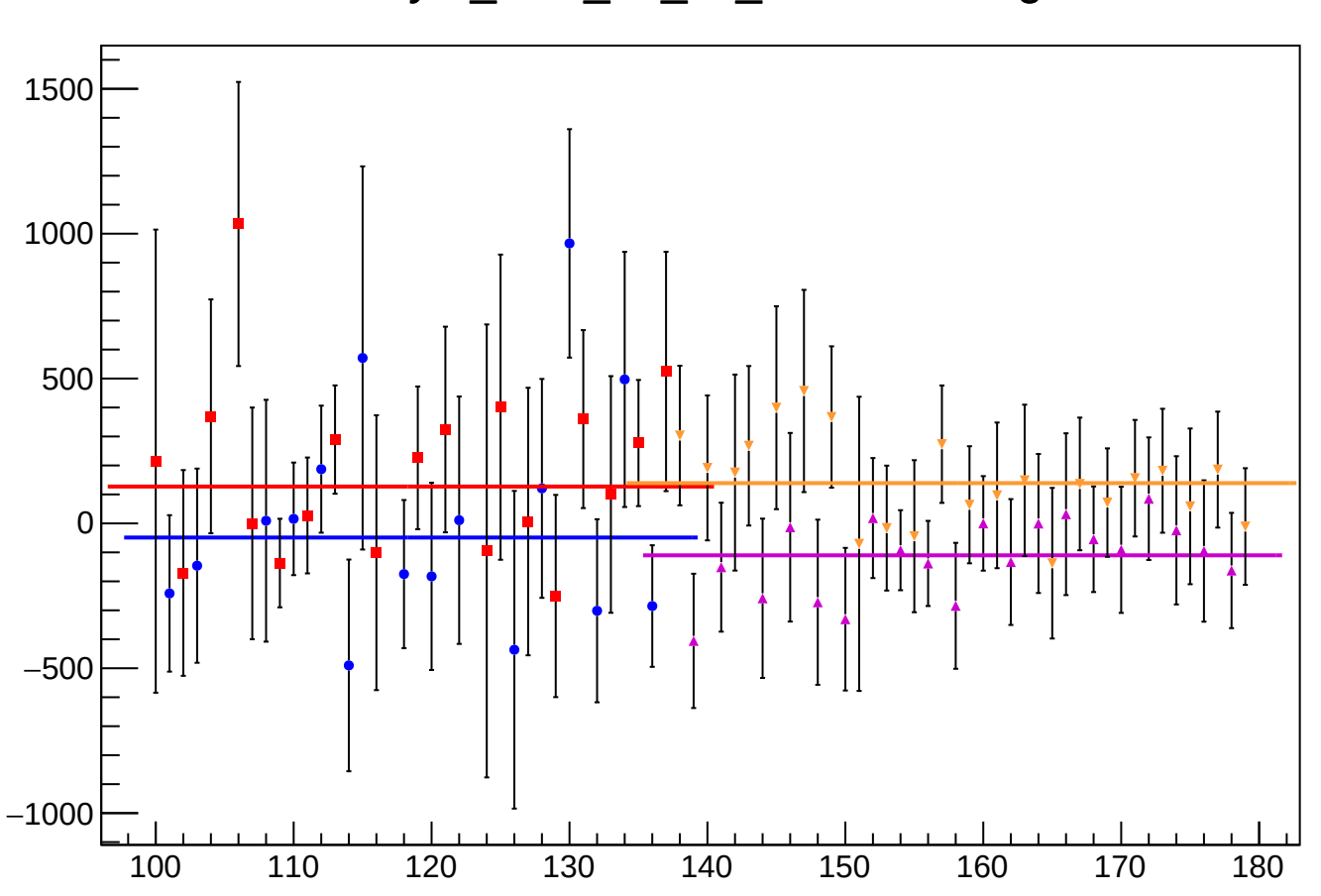
Right Out: 172.507+/-0.048 χ^2/NDF: 1642059.1/18

Left In: 180.562+/-0.033 χ^2/NDF:1613616.3/19

+ sign 203.384+/-0.030 χ^2/NDF: 2426033.3/37

All: 189.475+/-0.020 χ^2/NDF: 6090081.0/76

- sign 177.988+/-0.027 χ^2/NDF: 3274518.3/38



Right In: -48.749+/-76.592 χ^2/NDF: 15.4/15

Left Out: 139.038+/-51.293 χ^2/NDF:6.8/21

Right Out: 127.249+/-68.506 χ^2/NDF: 12.9/18

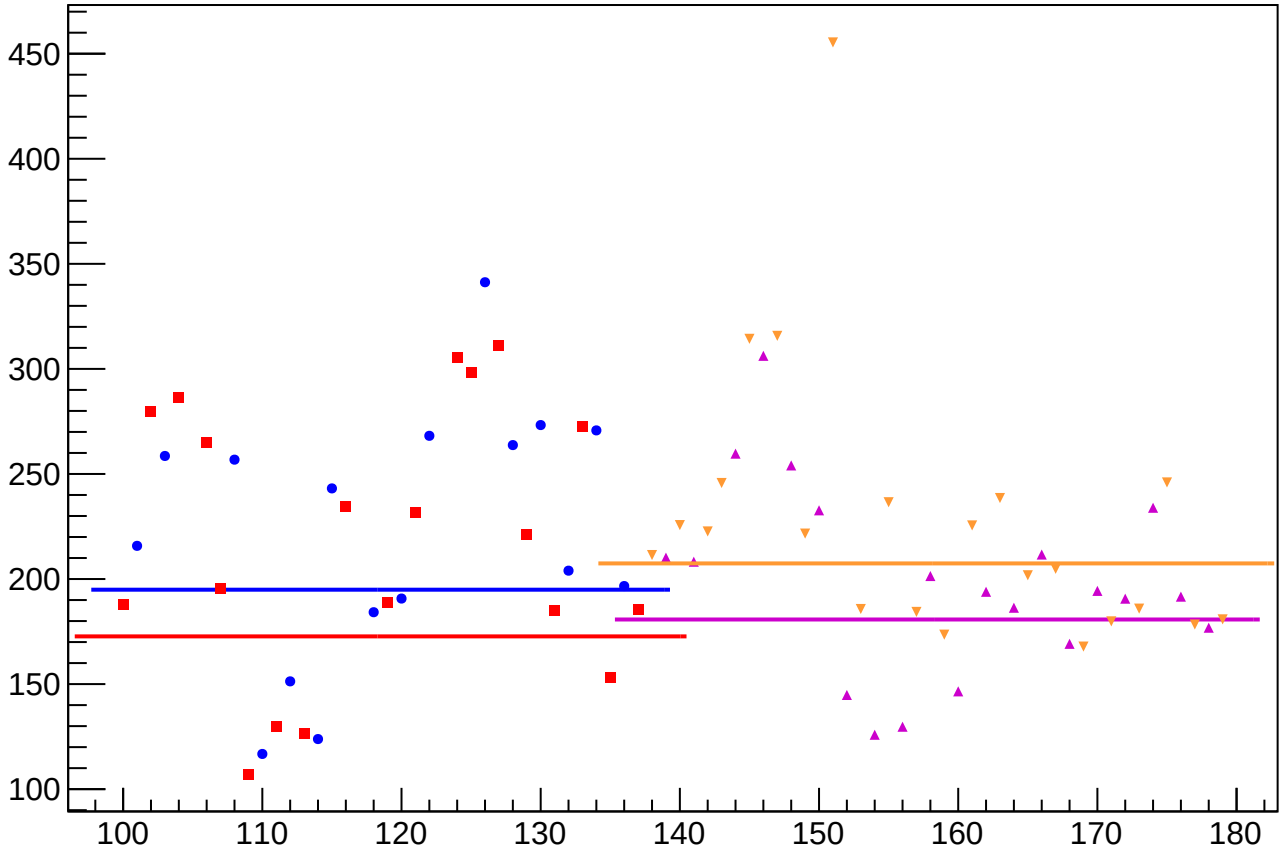
Left In: -110.191+/-46.965 χ^2/NDF:6.3/19

+ sign 80.895+/-42.619 χ^2/NDF: 26.4/37

All: 17.826+/-28.665 χ^2/NDF: 57.7/76

- sign -34.276+/-38.736 χ^2/NDF: 27.3/38

asym_bcm_an_us_rms vs Slug



Right In: 194.923+/-0.054 χ^2/NDF: 1028901.2/15

Left Out: 207.431+/-0.036 χ^2/NDF:1349230.5/21

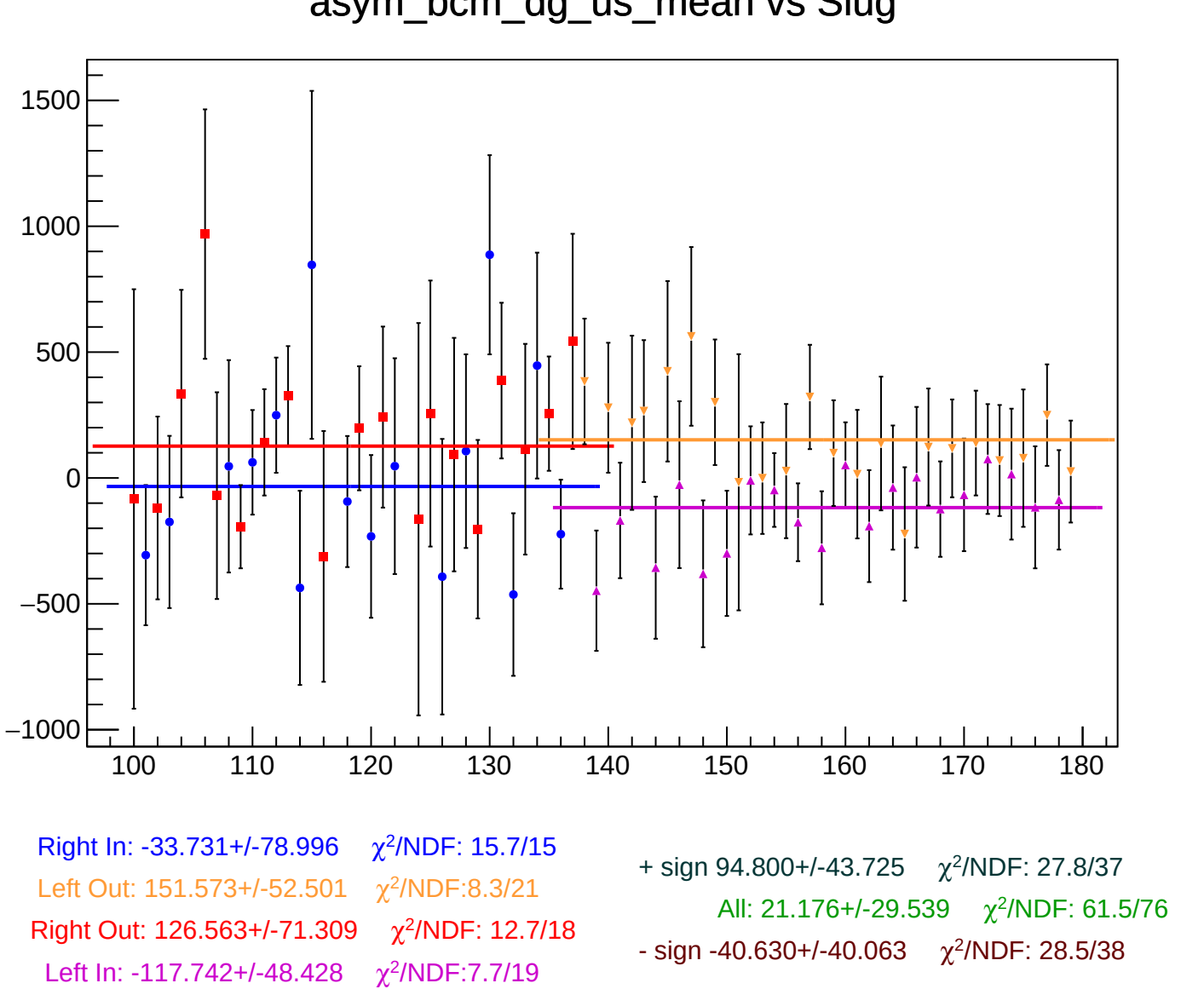
Right Out: 172.704+/-0.048 χ^2/NDF: 1631350.4/18

Left In: 180.744+/-0.033 χ^2/NDF:1613376.5/19

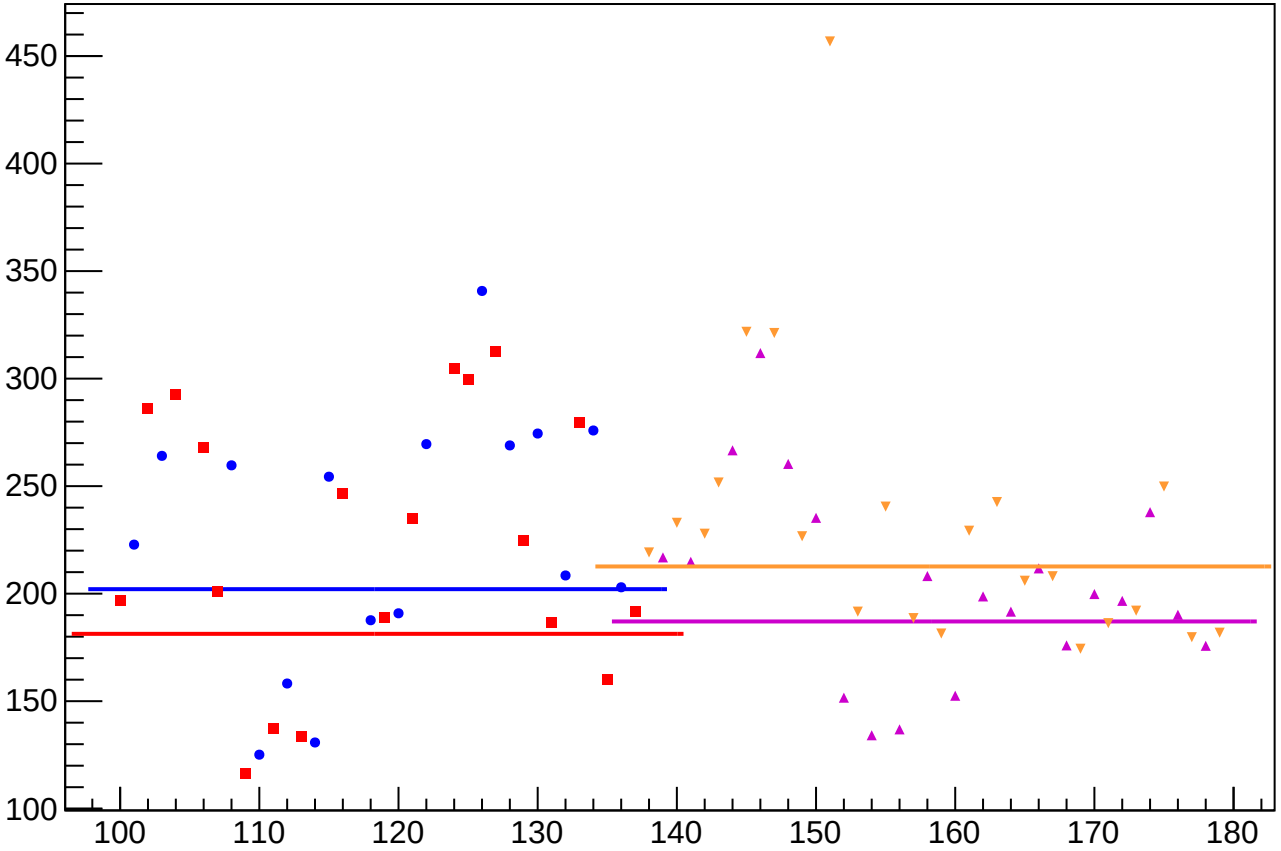
+ sign 203.558+/-0.030 χ^2/NDF: 2414954.8/37

All: 189.657+/-0.020 χ^2/NDF: 6066963.5/76

- sign 178.173+/-0.027 χ^2/NDF: 3263468.2/38


asym_bcm_dg_us_mean vs Slug
1500
1000
500
0
−500
−1000
100
110
120
130
140
150
160
170
180
Right In: -33.731+/-78.996 χ²/NDF: 15.7/15
Left Out: 151.573+/-52.501 χ²/NDF:8.3/21
Right Out: 126.563+/-71.309 χ²/NDF: 12.7/18
Left In: -117.742+/-48.428 χ²/NDF:7.7/19
+ sign 94.800+/-43.725 χ²/NDF: 27.8/37
All: 21.176+/-29.539 χ²/NDF: 61.5/76
- sign -40.630+/-40.063 χ²/NDF: 28.5/38

asym_bcm_dg_us_rms vs Slug



Right In: 202.090+/-0.056 χ^2/NDF: 910259.2/15

Left Out: 212.646+/-0.037 χ^2/NDF:1305244.7/21

Right Out: 181.312+/-0.050 χ^2/NDF: 1440989.4/18

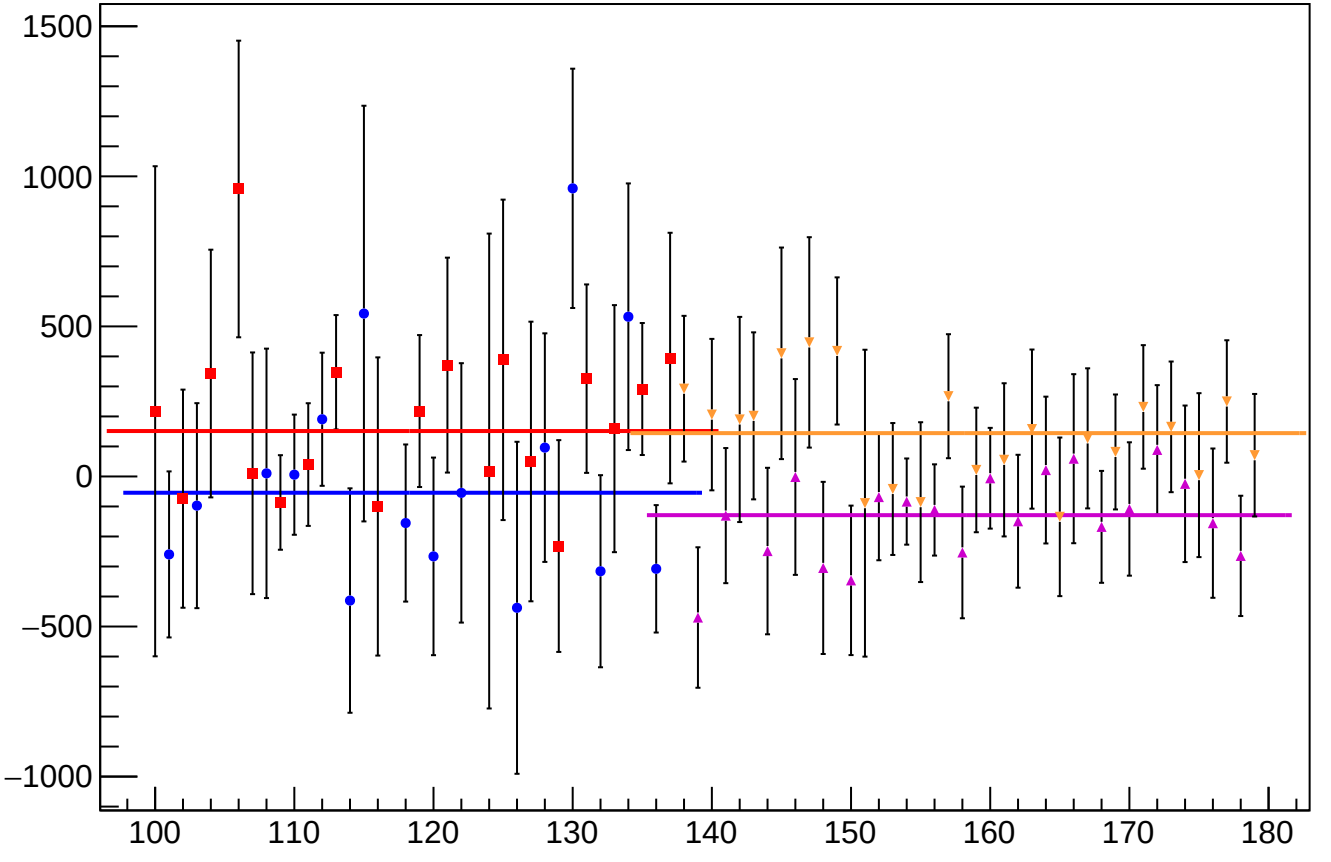
Left In: 187.071+/-0.034 χ^2/NDF:1453021.0/19

+ sign 209.412+/-0.031 χ^2/NDF: 2240273.4/37

All: 196.278+/-0.021 χ^2/NDF: 5475117.1/76

- sign 185.253+/-0.028 χ^2/NDF: 2902935.8/38

asym_bcm_dg_ds_mean vs Slug



Right In: -54.254+/-77.946 χ^2/NDF: 15.1/15

Left Out: 144.391+/-52.134 χ^2/NDF:7.6/21

Right Out: 151.358+/-69.902 χ^2/NDF: 10.2/18

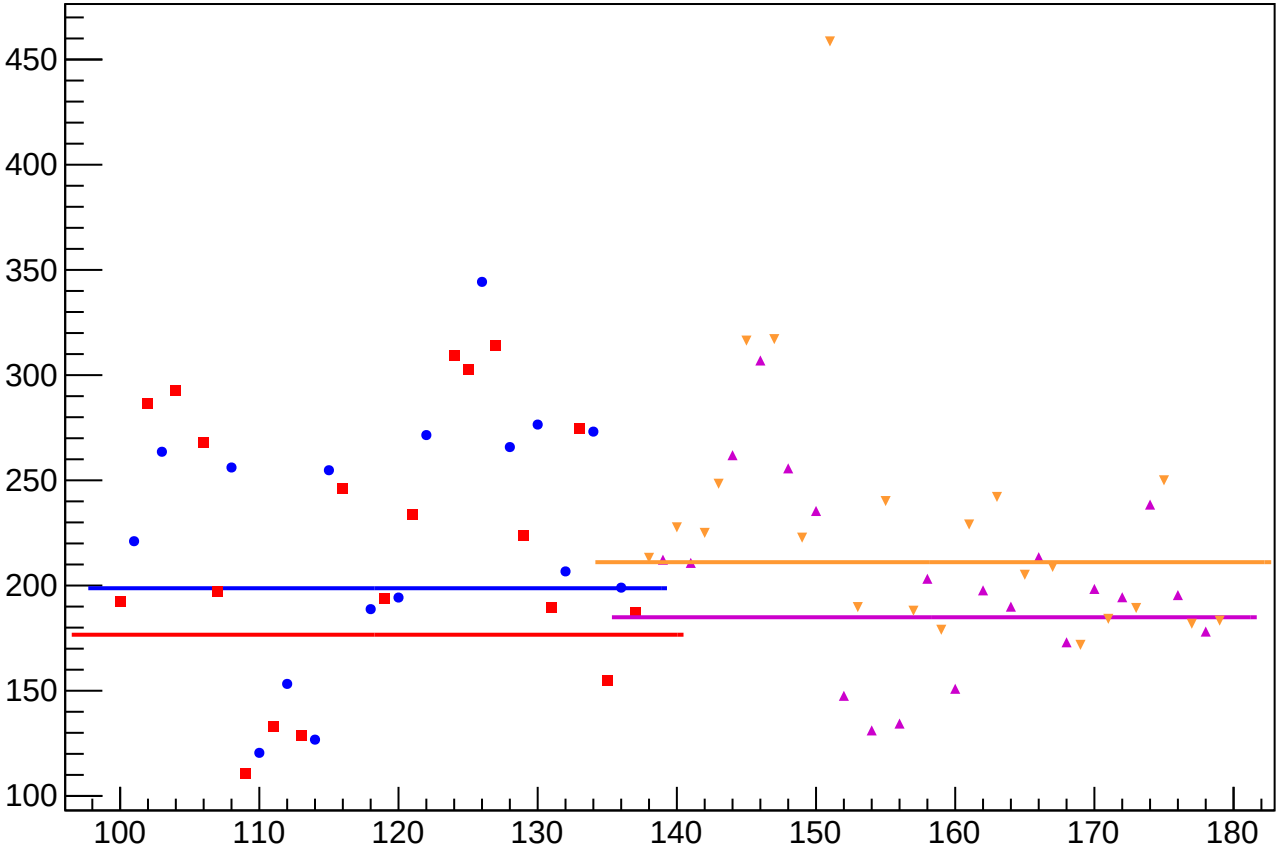
Left In: -128.937+/-47.933 χ^2/NDF:7.2/19

+ sign 82.993+/-43.334 χ^2/NDF: 27.2/37

All: 16.251+/-29.205 χ^2/NDF: 59.9/76

- sign -39.292+/-39.532 χ^2/NDF: 28.4/38

asym_bcm_dg_ds_rms vs Slug



Right In: 198.718+/-0.055 χ^2/NDF: 994068.9/15

Left Out: 211.101+/-0.037 χ^2/NDF:1293719.6/21

Right Out: 176.621+/-0.049 χ^2/NDF: 1595710.1/18

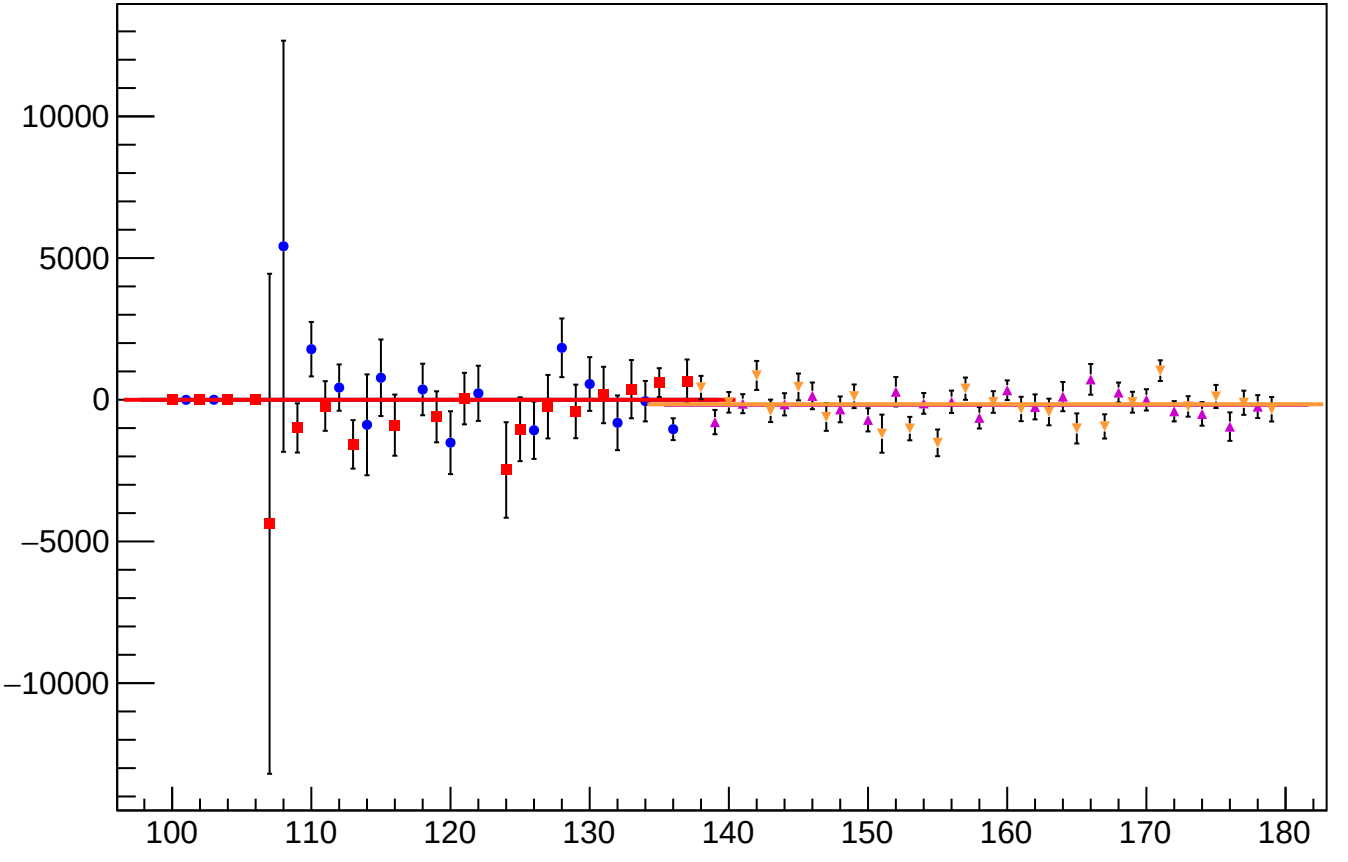
Left In: 184.926+/-0.034 χ^2/NDF:1489669.9/19

+ sign 207.274+/-0.031 χ^2/NDF: 2322661.3/37

All: 193.627+/-0.021 χ^2/NDF: 5790657.9/76

- sign 182.270+/-0.028 χ^2/NDF: 3104579.6/38

asym_cav4bQ_mean vs Slug



Right In: -1.239+/-2.171 χ^2/NDF: 19.9/15

Left Out: -159.481+/-90.437 χ^2/NDF:44.0/21

Right Out: -1.377+/-2.022 χ^2/NDF: 16.8/18

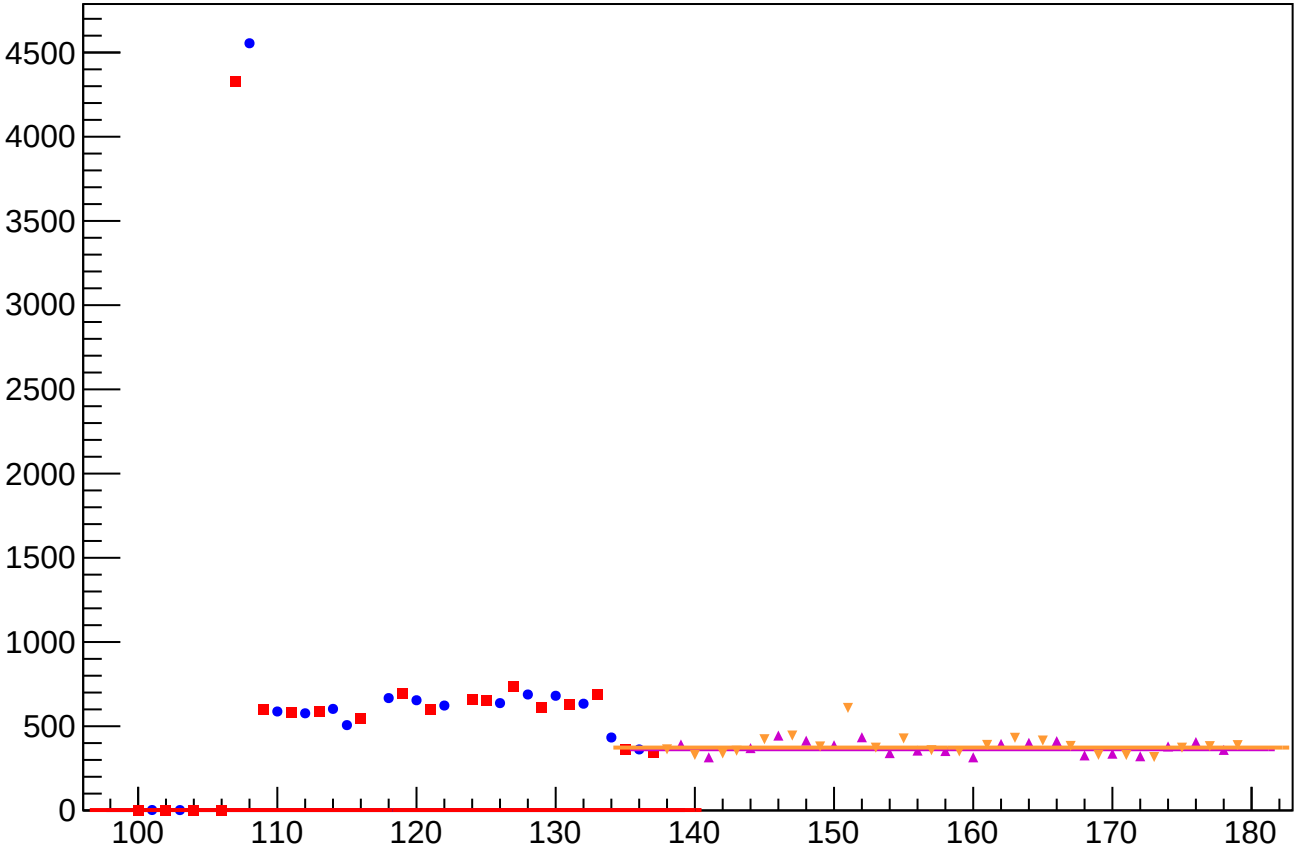
Left In: -178.992+/-91.243 χ^2/NDF:17.0/19

+ sign -1.330+/-2.170 χ^2/NDF: 67.0/37

All: -1.402+/-1.479 χ^2/NDF: 104.6/76

- sign -1.465+/-2.022 χ^2/NDF: 37.7/38

asym_cav4bQ_rms vs Slug



Right In: 2.477+/-0.002 χ^2/NDF: 11626192.3/15

Left Out: 373.261+/-0.064 χ^2/NDF:545649.0/21

Right Out: 2.462+/-0.001 χ^2/NDF: 11545445.6/18

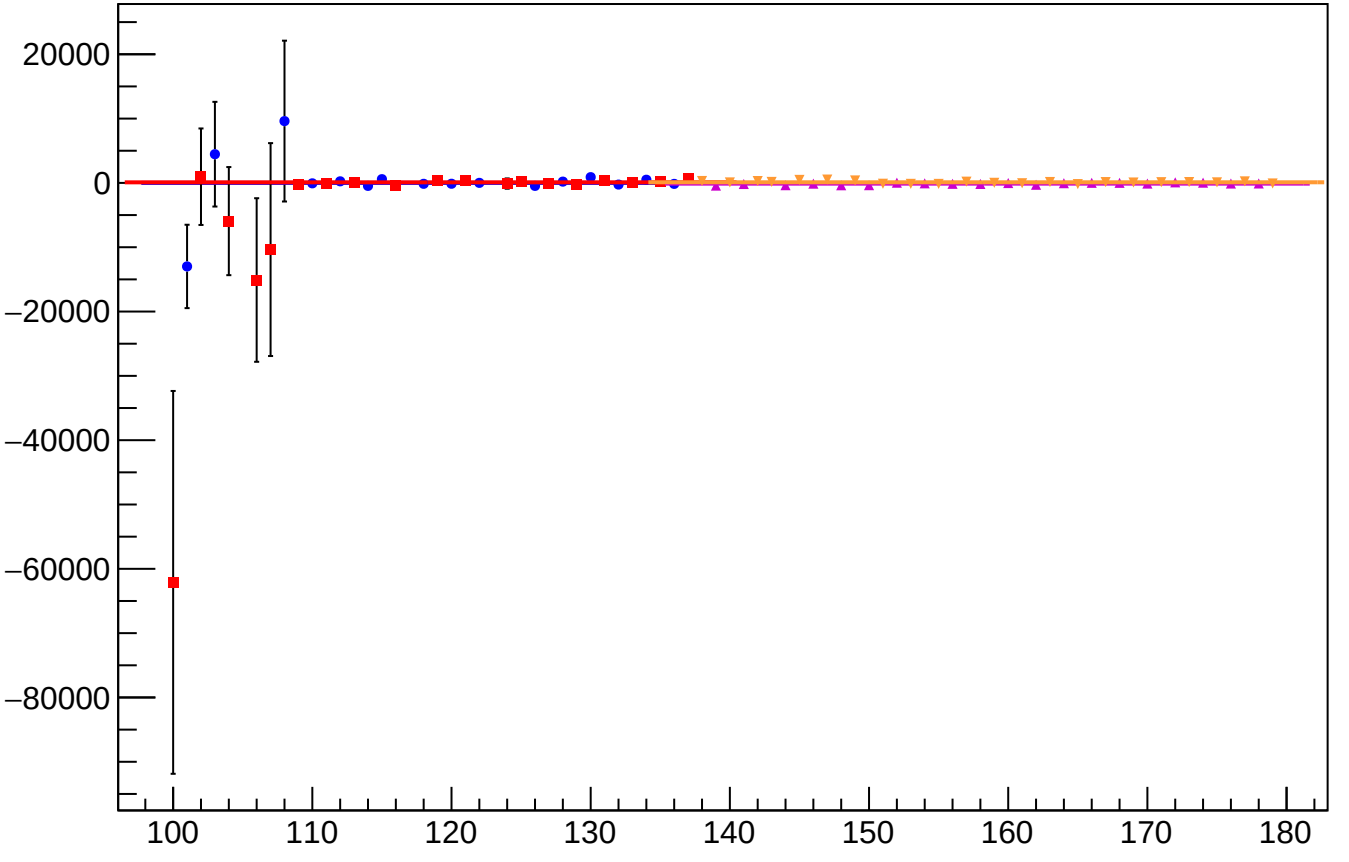
Left In: 363.537+/-0.065 χ^2/NDF:340393.8/19

+ sign 2.690+/-0.002 χ^2/NDF: 45770738.2/37

All: 2.663+/-0.001 χ^2/NDF: 88961946.0/76

- sign 2.639+/-0.001 χ^2/NDF: 43190622.4/38

asym_cav4cQ_mean vs Slug



Right In: 0.575+/-87.823 χ^2/NDF: 16.8/15

Left Out: 96.443+/-53.261 χ^2/NDF:9.9/21

Right Out: 88.089+/-81.605 χ^2/NDF: 14.9/18

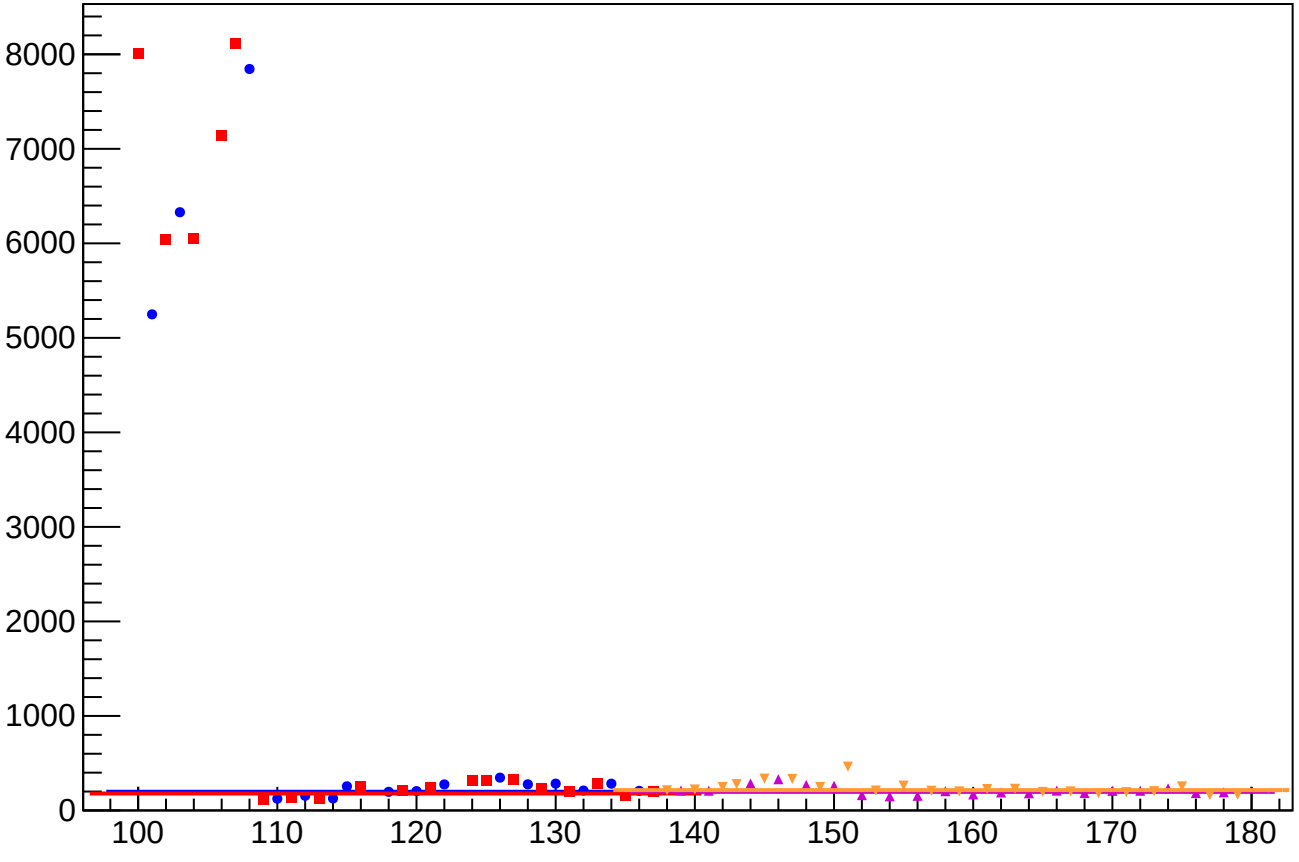
Left In: -113.270+/-50.634 χ^2/NDF:7.2/19

+ sign 70.664+/-45.541 χ^2/NDF: 27.6/37

All: 3.051+/-31.275 χ^2/NDF: 58.2/76

- sign -57.297+/-43.025 χ^2/NDF: 26.4/38

asym_cav4cQ_rms vs Slug



Right In: 197.620+/-0.062 χ^2/NDF: 3957192.6/15

Left Out: 215.180+/-0.038 χ^2/NDF:1524749.9/21

Right Out: 179.250+/-0.058 χ^2/NDF: 4418422.9/18

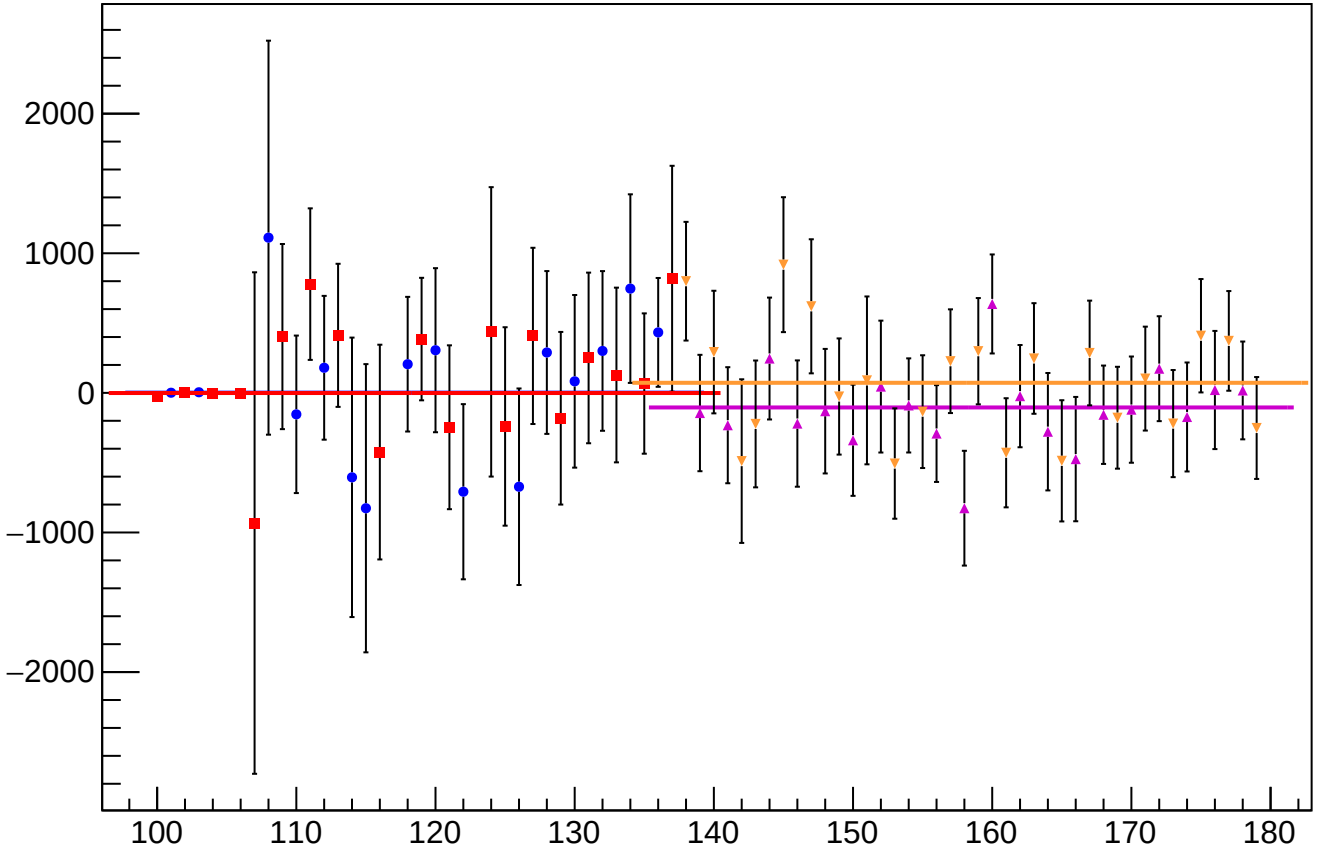
Left In: 196.721+/-0.036 χ^2/NDF:1144001.3/19

+ sign 210.458+/-0.032 χ^2/NDF: 5540401.5/37

All: 200.633+/-0.022 χ^2/NDF: 11345173.2/76

- sign 191.864+/-0.030 χ^2/NDF: 5628615.2/38

asym_cav4dQ_mean vs Slug



Right In: 1.456+/-1.660 χ^2/NDF: 7.9/15

Left Out: 72.186+/-87.502 χ^2/NDF:18.9/21

Right Out: -1.094+/-1.528 χ^2/NDF: 9.2/18

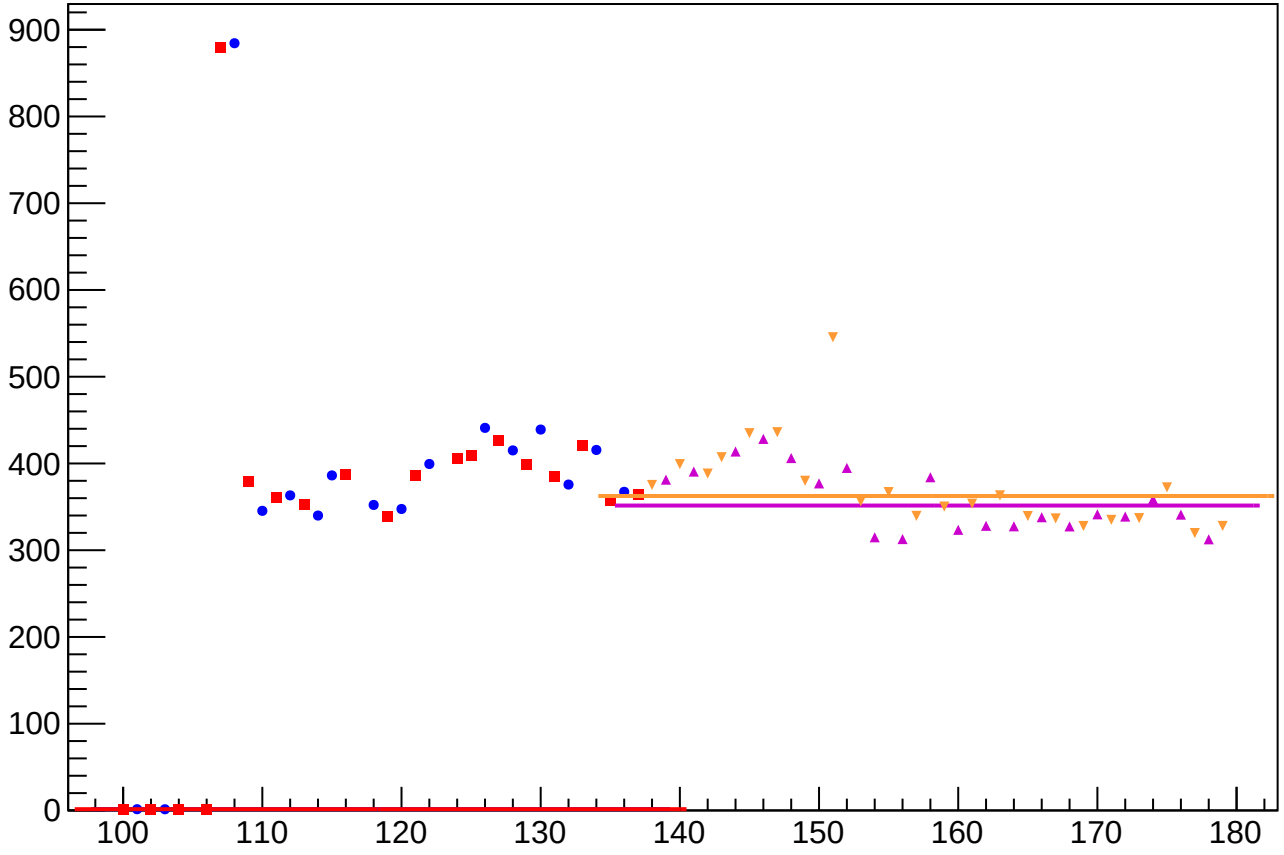
Left In: -104.448+/-88.053 χ^2/NDF:10.7/19

+ sign 1.481+/-1.660 χ^2/NDF: 27.5/37

All: 0.070+/-1.124 χ^2/NDF: 50.1/76

- sign -1.125+/-1.528 χ^2/NDF: 21.3/38

asym_cav4dQ_rms vs Slug



Right In: 1.470+/-0.001 χ^2/NDF: 11735334.0/15

Left Out: 362.519+/-0.062 χ^2/NDF:431807.9/21

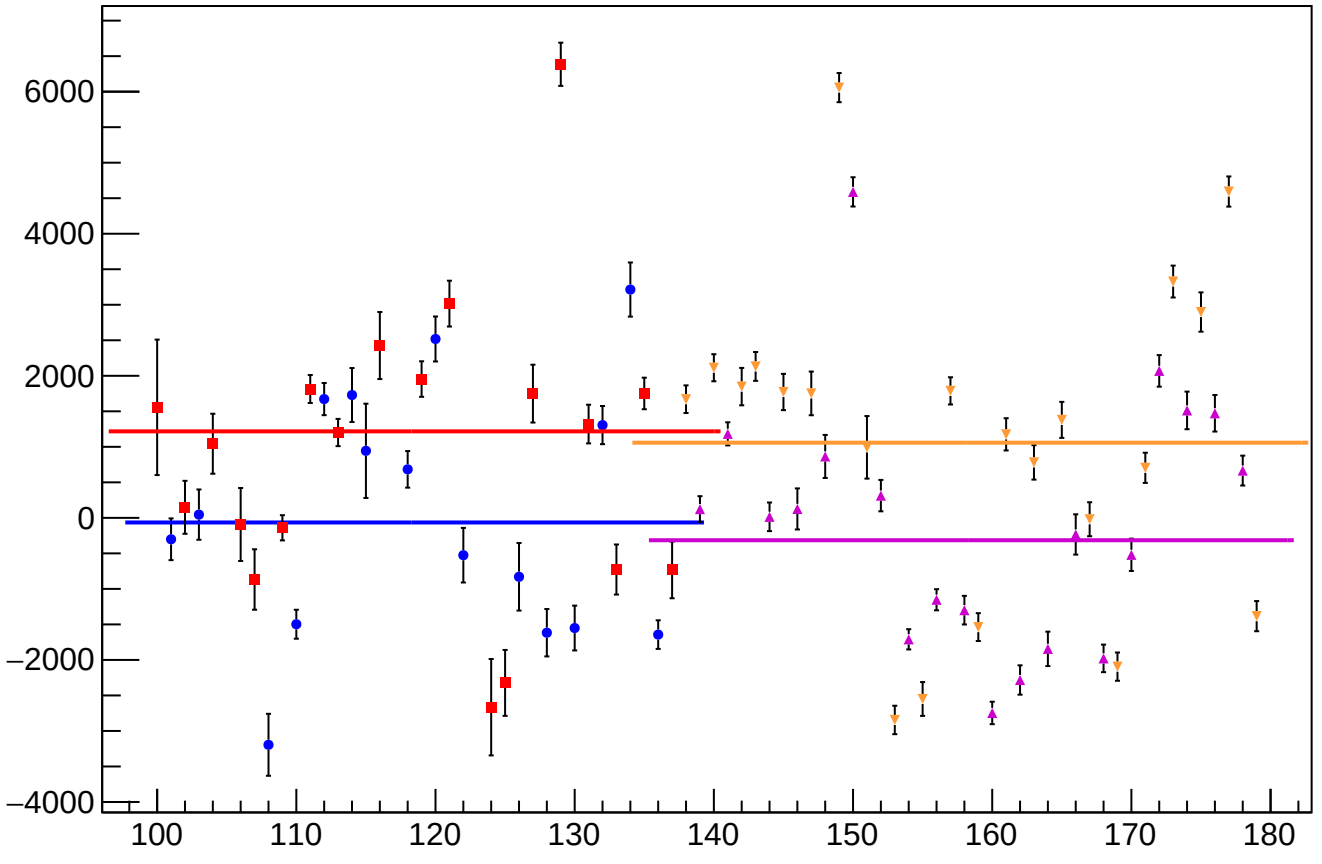
Right Out: 1.467+/-0.001 χ^2/NDF: 11270430.6/18

Left In: 351.493+/-0.062 χ^2/NDF:311121.4/19

+ sign 1.600+/-0.001 χ^2/NDF: 46205379.9/37

All: 1.585+/-0.001 χ^2/NDF: 89381365.8/76

- sign 1.572+/-0.001 χ^2/NDF: 43175686.2/38



Right In: -64.993+/-74.895 χ^2/NDF: 469.5/15

Left Out: 1058.312+/-47.811 χ^2/NDF:2317.1/21

Right Out: 1217.846+/-69.022 χ^2/NDF: 594.6/18

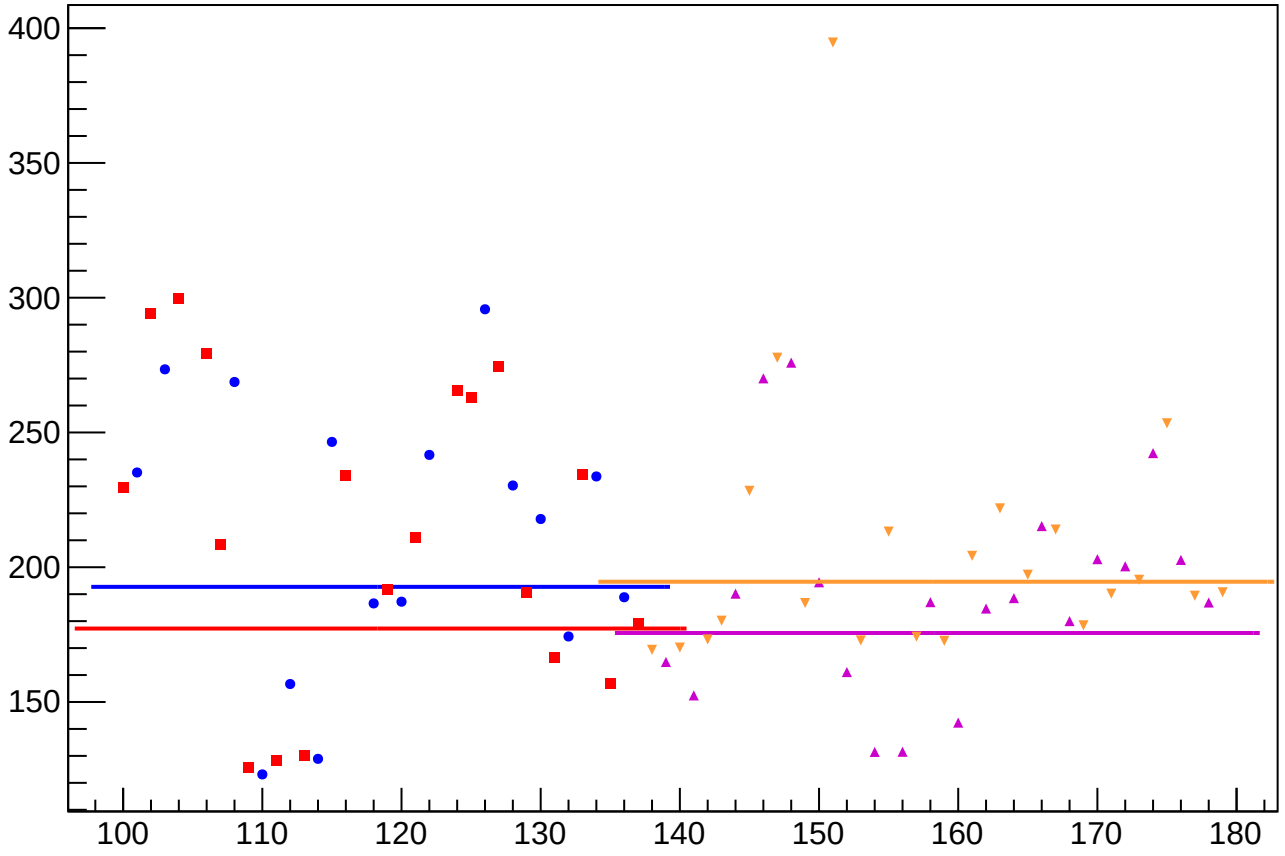
Left In: -314.999+/-45.180 χ^2/NDF:1512.3/19

\+ sign 733.082+/-40.299 χ^2/NDF: 2946.4/37

All: 420.138+/-27.571 χ^2/NDF: 5511.9/76

\- sign 144.780+/-37.802 χ^2/NDF: 2452.1/38

asym_bcm0l02_rms vs Slug



Right In: 192.719+/-0.053 χ^2/NDF: 759146.3/15

Left Out: 194.619+/-0.034 χ^2/NDF:918241.3/21

Right Out: 177.251+/-0.049 χ^2/NDF: 1226180.2/18

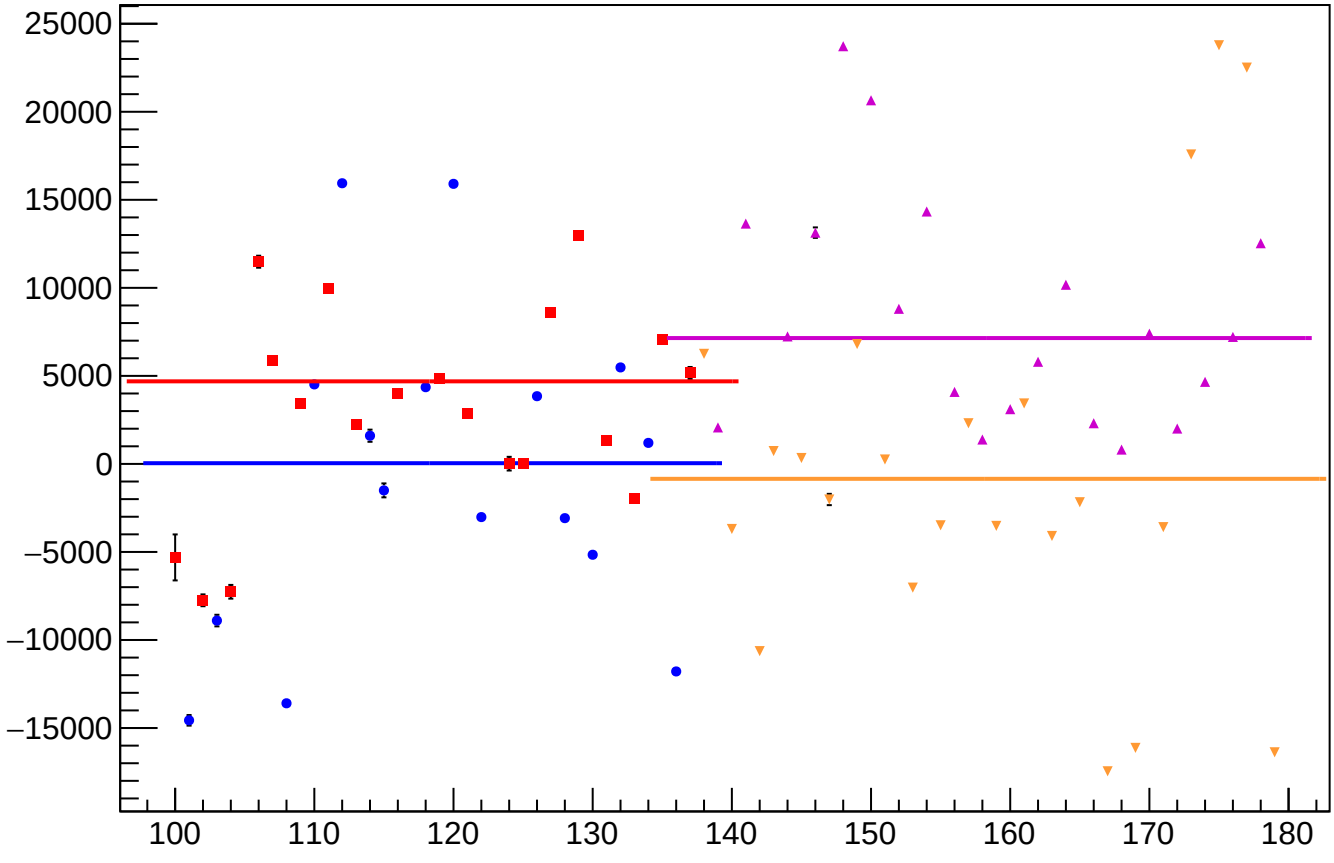
Left In: 175.601+/-0.032 χ^2/NDF:1237163.6/19

+ sign 194.069+/-0.028 χ^2/NDF: 1678302.2/37

All: 184.508+/-0.019 χ^2/NDF: 4354065.8/76

- sign 176.096+/-0.027 χ^2/NDF: 2464144.5/38

asym_bpm0i02WS_mean vs Slug



Right In: 40.915+/-54.199 χ^2/NDF: 30786.3/15

Left Out: -846.860+/-42.227 χ^2/NDF:57576.4/21

Right Out: 4689.710+/-52.095 χ^2/NDF: 7795.7/18

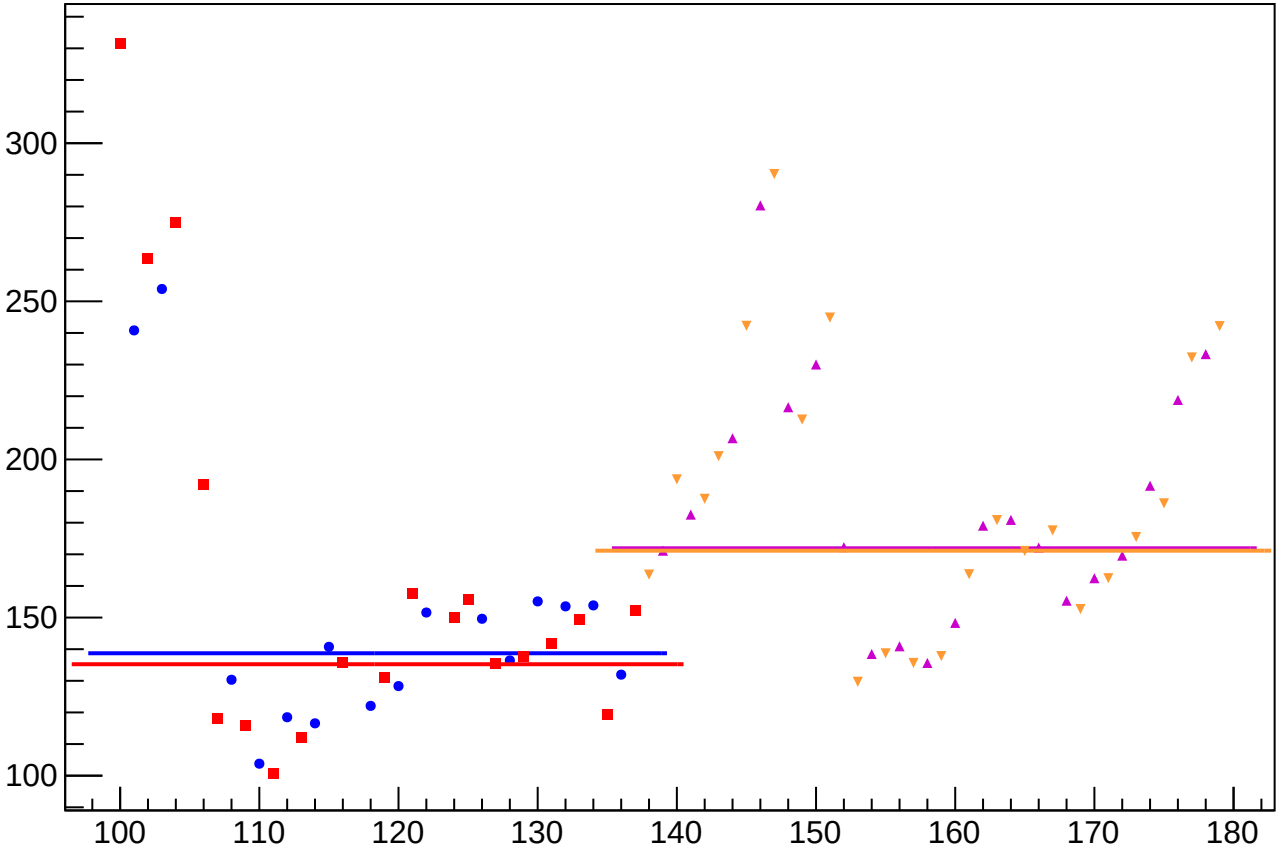
Left In: 7148.113+/-43.962 χ^2/NDF:18173.8/19

+ sign -511.519+/-33.310 χ^2/NDF: 88529.7/37

All: 2778.530+/-23.655 χ^2/NDF: 135479.6/76

- sign 6125.574+/-33.598 χ^2/NDF: 27270.2/38

asym_bpm0i02WS_rms vs Slug



Right In: 138.712+/-0.038 χ^2/NDF: 657791.3/15

Left Out: 171.151+/-0.030 χ^2/NDF:1442199.1/21

Right Out: 135.245+/-0.037 χ^2/NDF: 890024.8/18

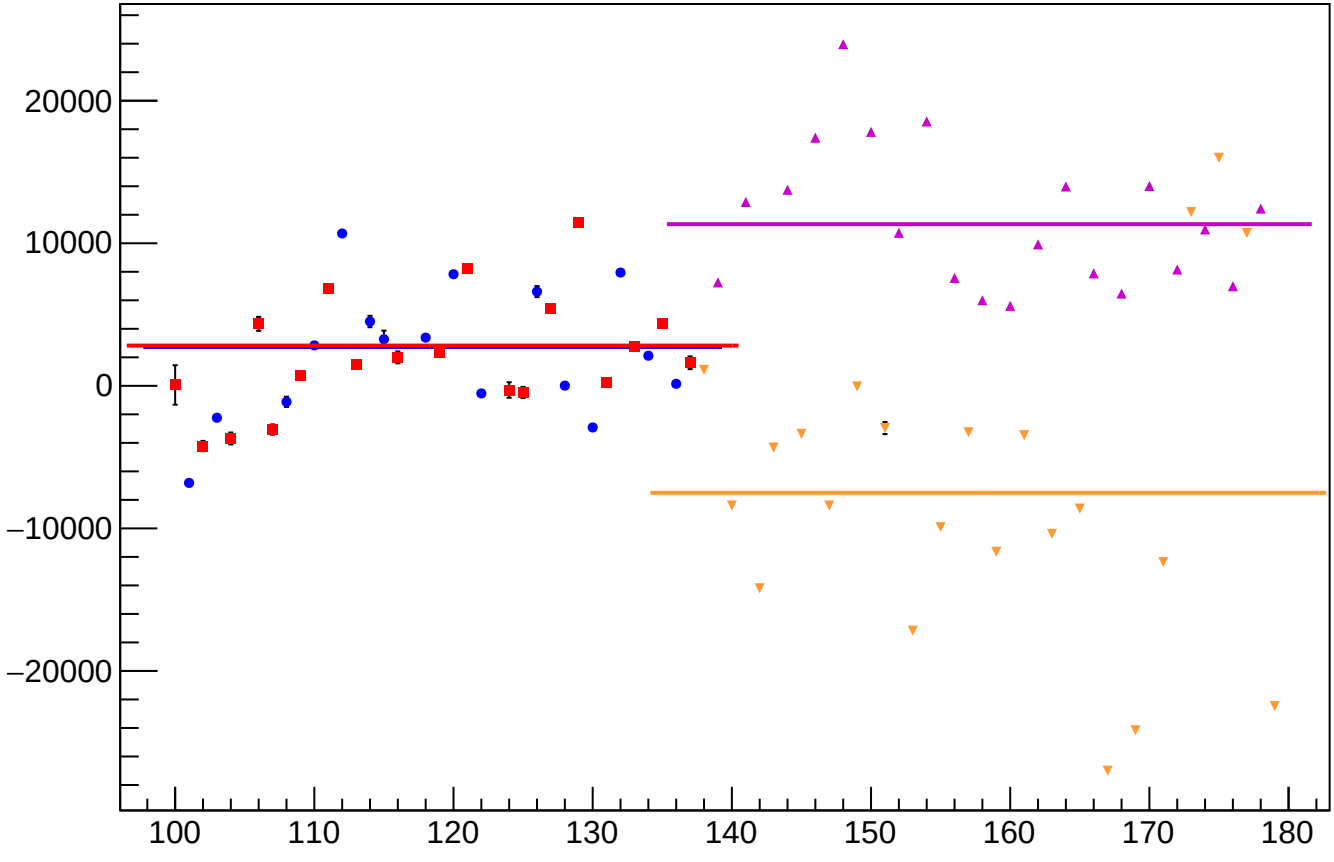
Left In: 171.902+/-0.031 χ^2/NDF:1064963.4/19

+ sign 158.898+/-0.024 χ^2/NDF: 2545812.9/37

All: 157.786+/-0.017 χ^2/NDF: 5083667.4/76

- sign 156.655+/-0.024 χ^2/NDF: 2533361.1/38

asym_bpm0i02aWS_mean vs Slug



Right In: 2719.896+/-69.247 χ^2/NDF: 4129.3/15

Left Out: -7505.069+/-48.470 χ^2/NDF:50251.5/21

Right Out: 2823.679+/-64.850 χ^2/NDF: 3062.8/18

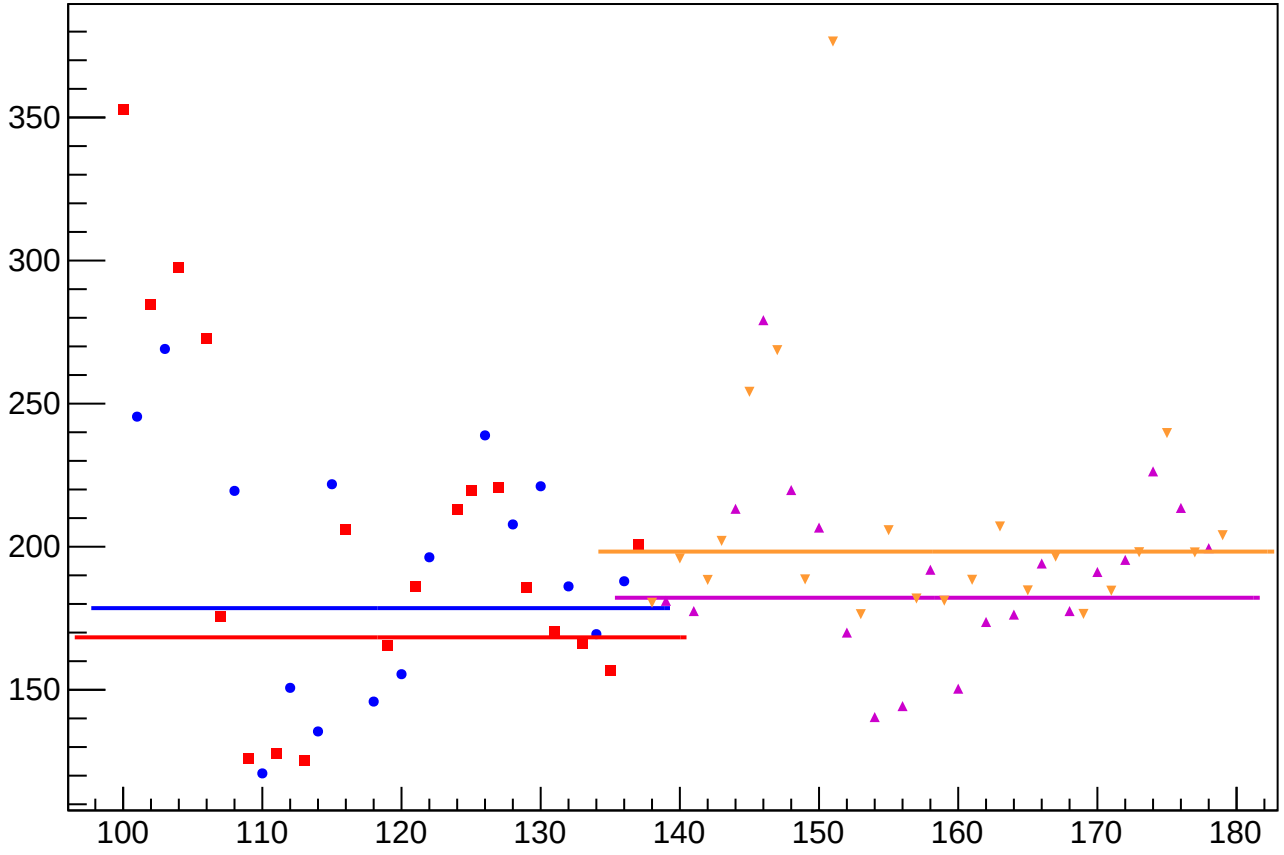
Left In: 11341.064+/-46.468 χ^2/NDF:10866.7/19

+ sign -4142.719+/-39.709 χ^2/NDF: 69014.4/37

All: 2469.055+/-27.368 χ^2/NDF: 147150.9/76

- sign 8451.522+/-37.772 χ^2/NDF: 25327.5/38

asym_bpm0i02aWS_rms vs Slug



Right In: 178.541+/-0.049 χ^2/NDF: 674566.0/15

Left Out: 198.300+/-0.034 χ^2/NDF:718205.4/21

Right Out: 168.335+/-0.046 χ^2/NDF: 979485.9/18

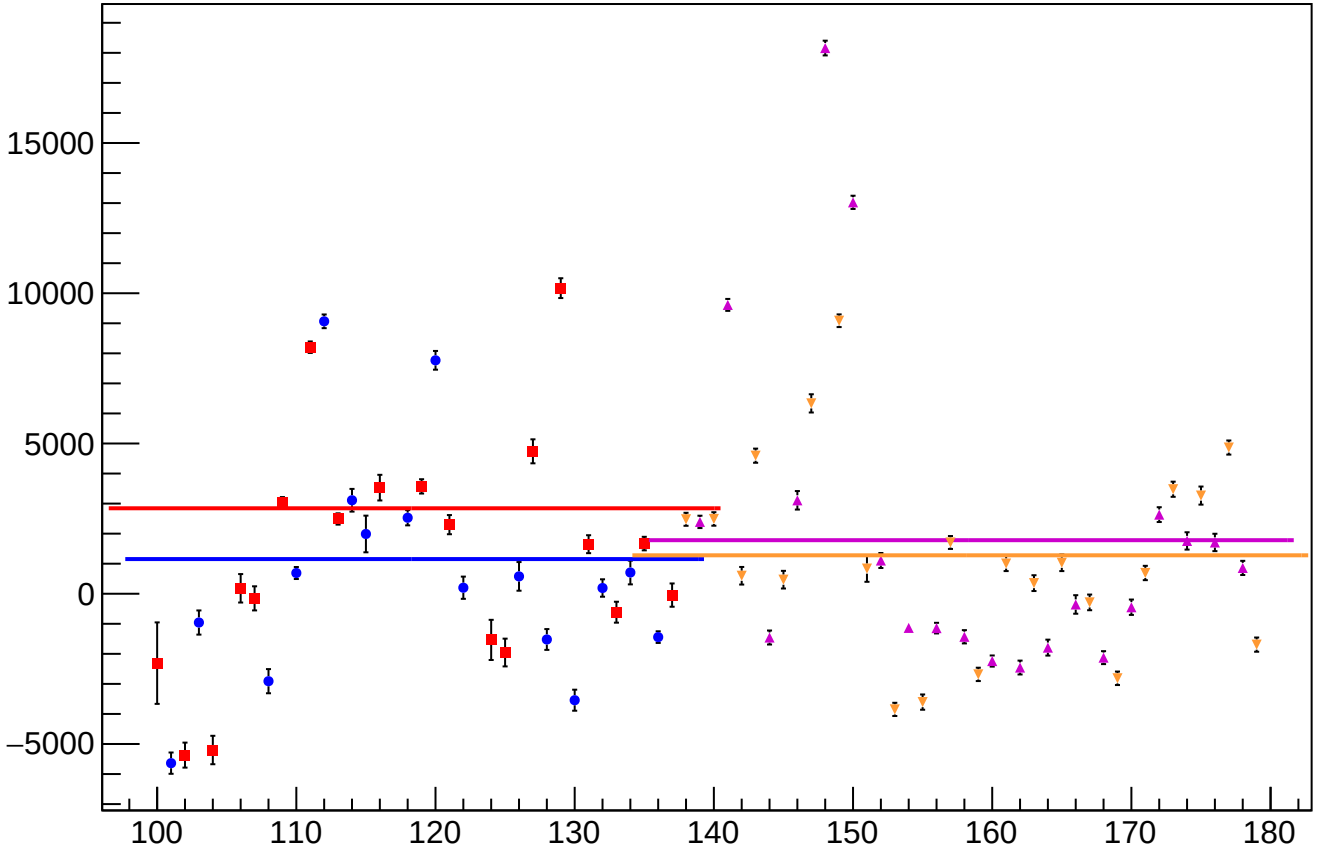
Left In: 182.169+/-0.033 χ^2/NDF:793023.9/19

+ sign 191.803+/-0.028 χ^2/NDF: 1502065.4/37

All: 184.281+/-0.019 χ^2/NDF: 3471392.4/76

- sign 177.476+/-0.027 χ^2/NDF: 1832653.6/38

asym_bpm0i05WS_mean vs Slug



Right In: 1153.823+/-75.957 χ^2/NDF: 2655.3/15

Left Out: 1279.102+/-52.896 χ^2/NDF:4053.4/21

Right Out: 2843.895+/-69.139 χ^2/NDF: 2453.1/18

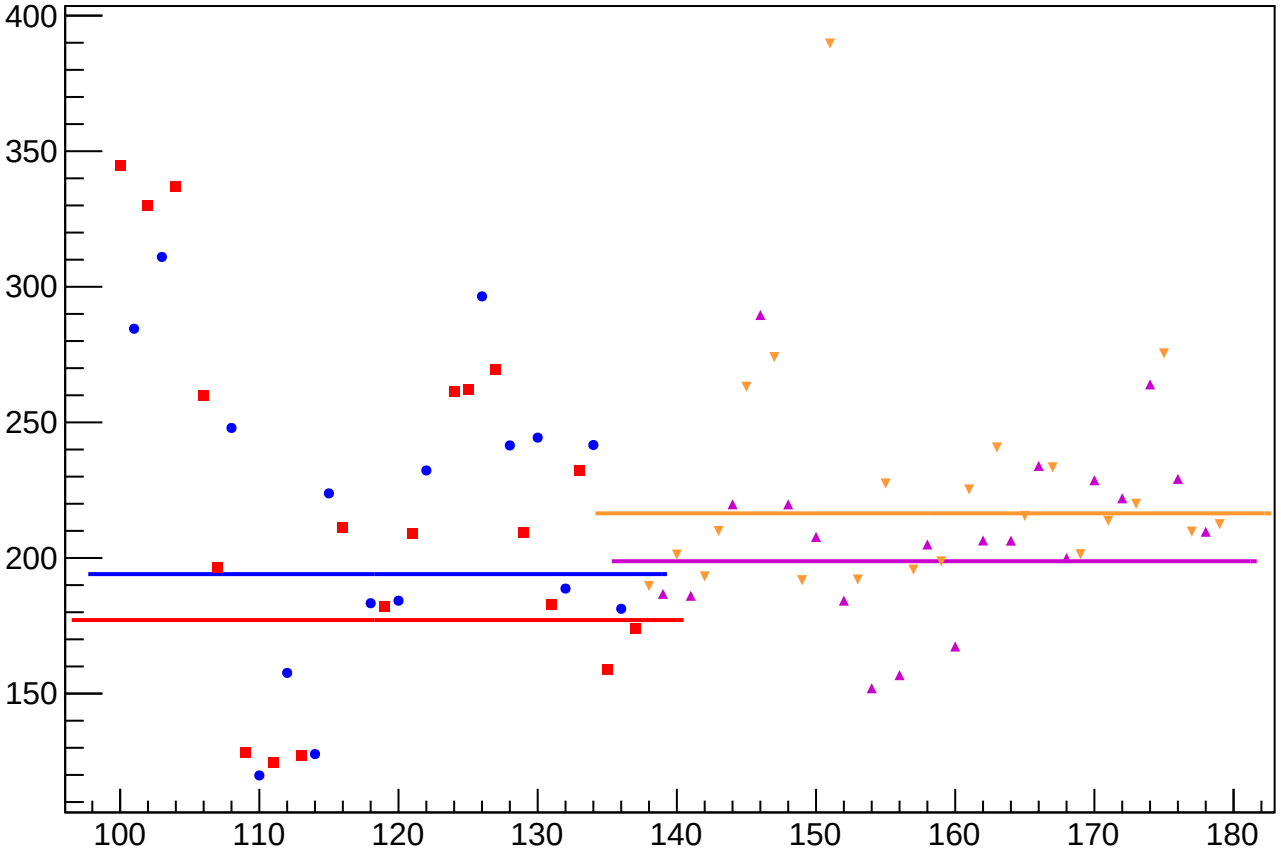
Left In: 1782.231+/-50.723 χ^2/NDF:11109.4/19

+ sign 1238.188+/-43.407 χ^2/NDF: 6710.6/37

All: 1723.182+/-29.767 χ^2/NDF: 20662.1/76

- sign 2153.706+/-40.897 χ^2/NDF: 13715.8/38

asym_bpm0i05WS_rms vs Slug



Right In: 194.053+/-0.054 χ^2/NDF: 965786.1/15

Left Out: 216.457+/-0.037 χ^2/NDF:691287.4/21

Right Out: 177.115+/-0.049 χ^2/NDF: 1359345.8/18

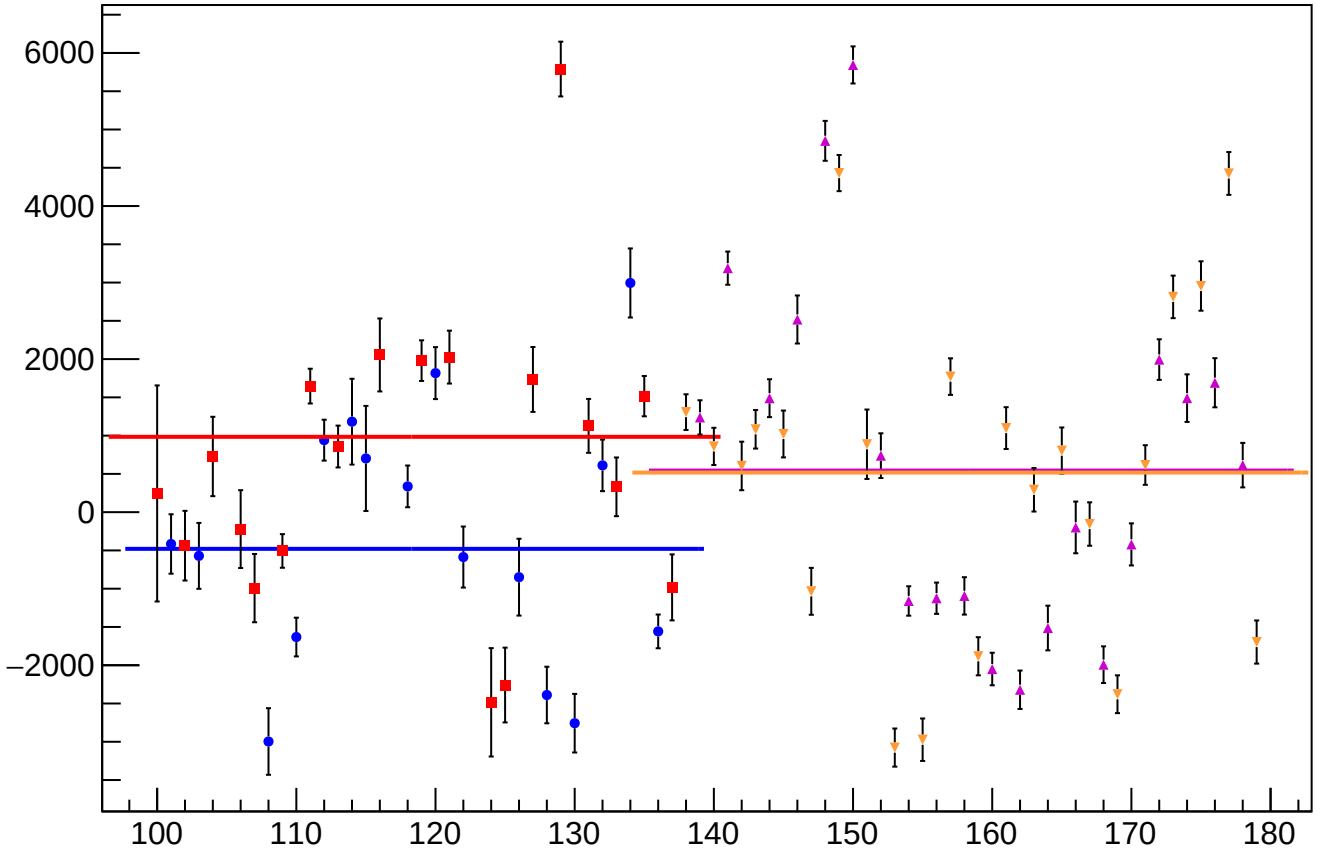
Left In: 198.799+/-0.036 χ^2/NDF:767631.5/19

+ sign 209.140+/-0.031 χ^2/NDF: 1774249.5/37

All: 199.643+/-0.021 χ^2/NDF: 4209859.1/76

- sign 191.212+/-0.029 χ^2/NDF: 2254872.4/38

asym_bpm0i07WS_mean vs Slug



Right In: -479.302+/-86.685 χ^2/NDF: 305.4/15

Left Out: 517.351+/-58.102 χ^2/NDF:1340.0/21

Right Out: 984.498+/-80.945 χ^2/NDF: 398.1/18

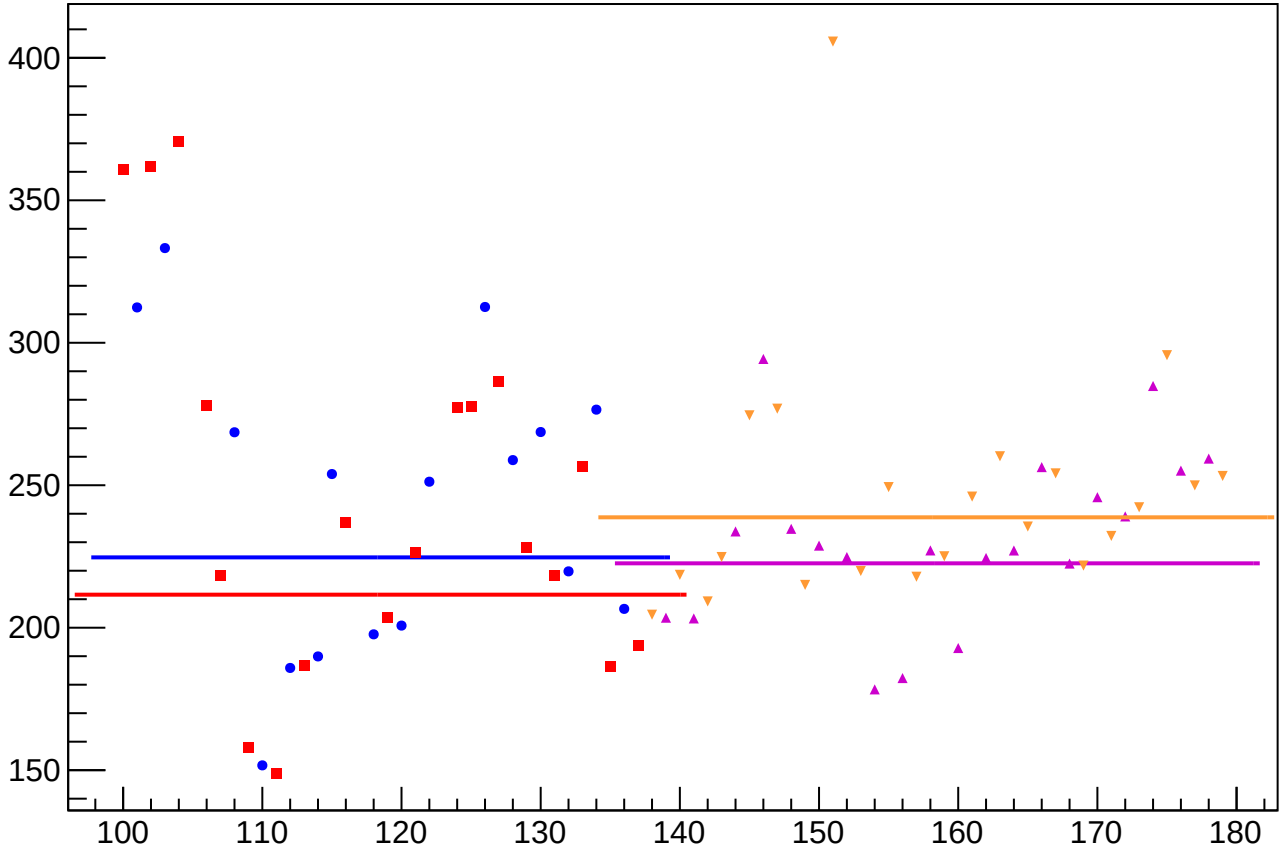
Left In: 543.714+/-56.411 χ^2/NDF:1665.1/19

+ sign 208.400+/-48.263 χ^2/NDF: 1736.6/37

All: 458.152+/-33.404 χ^2/NDF: 3871.2/76

- sign 687.808+/-46.281 χ^2/NDF: 2083.2/38

asym_bpm0i07WS_rms vs Slug



Right In: 224.683+/-0.061 χ^2/NDF: 653193.4/15

Left Out: 238.741+/-0.041 χ^2/NDF:565629.4/21

Right Out: 211.595+/-0.057 χ^2/NDF: 932902.5/18

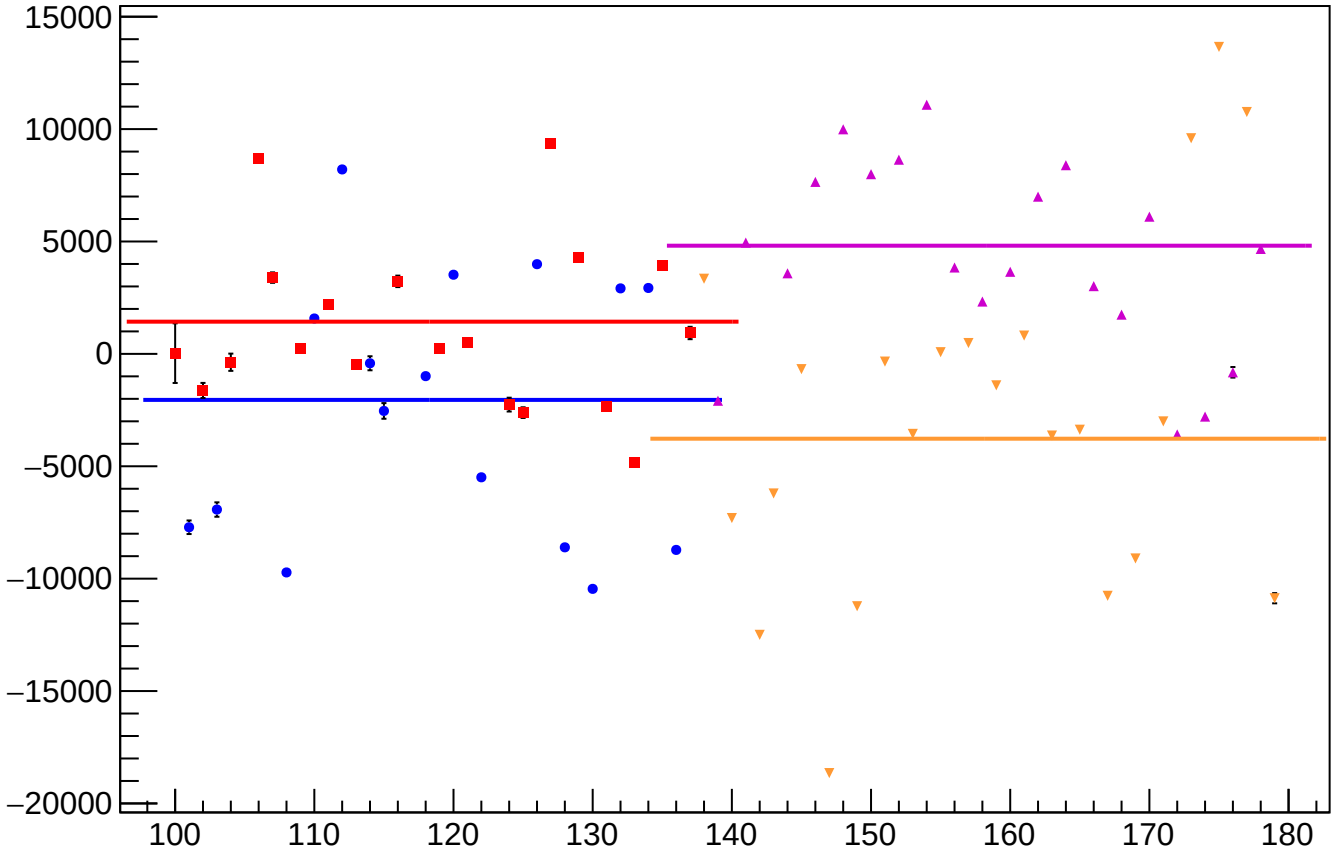
Left In: 222.594+/-0.040 χ^2/NDF:543257.1/19

+ sign 234.383+/-0.034 χ^2/NDF: 1255121.0/37

All: 226.368+/-0.024 χ^2/NDF: 2862011.1/76

- sign 218.998+/-0.033 χ^2/NDF: 1501015.9/38

asym_bpm1i02WS_mean vs Slug



Right In: -2047.267+/-46.722 χ^2/NDF: 16709.1/15

Left Out: -3773.721+/-31.583 χ^2/NDF:52608.2/21

Right Out: 1432.909+/-44.729 χ^2/NDF: 6387.8/18

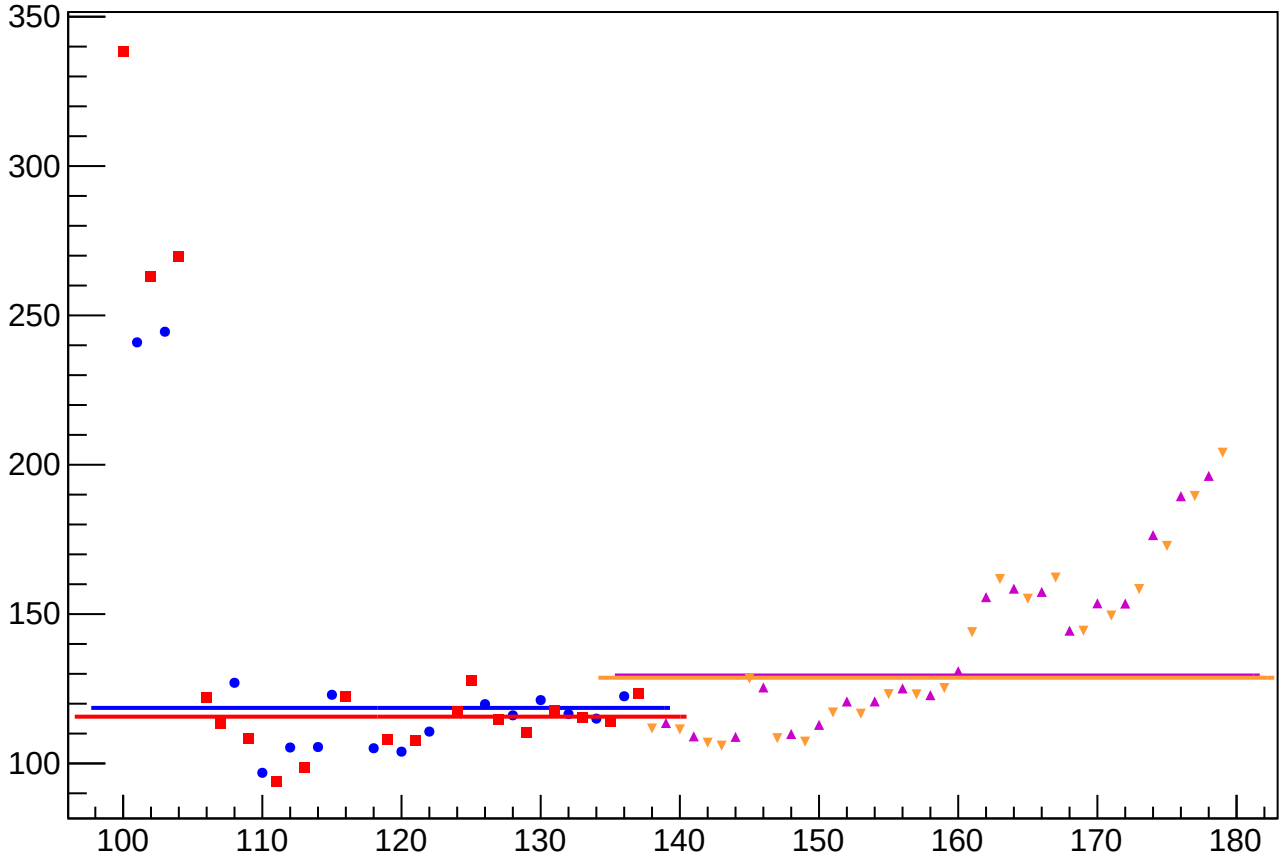
Left In: 4812.873+/-32.787 χ^2/NDF:15228.2/19

+ sign -3232.242+/-26.166 χ^2/NDF: 70254.5/37

All: 163.353+/-18.600 χ^2/NDF: 129626.5/76

- sign 3631.512+/-26.444 χ^2/NDF: 25330.3/38

asym_bpm1i02WS_rms vs Slug



Right In: 118.596+/-0.033 χ^2/NDF: 734158.7/15

Left Out: 128.698+/-0.022 χ^2/NDF:1132841.8/21

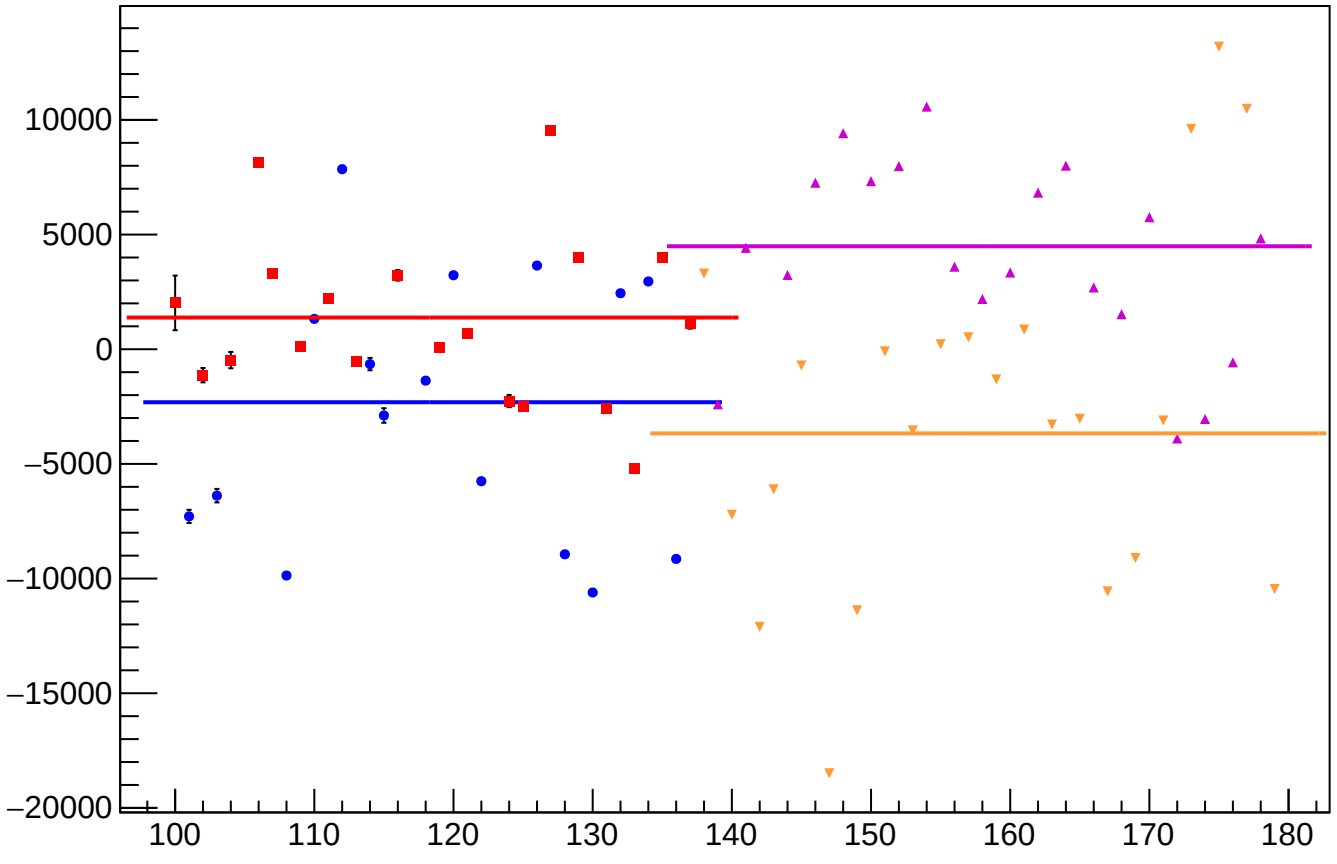
Right Out: 115.660+/-0.032 χ^2/NDF: 864206.3/18

Left In: 129.447+/-0.023 χ^2/NDF:923521.6/19

+ sign 125.529+/-0.019 χ^2/NDF: 1931174.4/37

All: 125.084+/-0.013 χ^2/NDF: 3843693.8/76

- sign 124.628+/-0.019 χ^2/NDF: 1911345.9/38



Right In: -2310.581+/-40.734 χ^2/NDF: 21679.5/15

Left Out: -3668.939+/-28.449 χ^2/NDF:61245.1/21

Right Out: 1382.178+/-39.342 χ^2/NDF: 8578.9/18

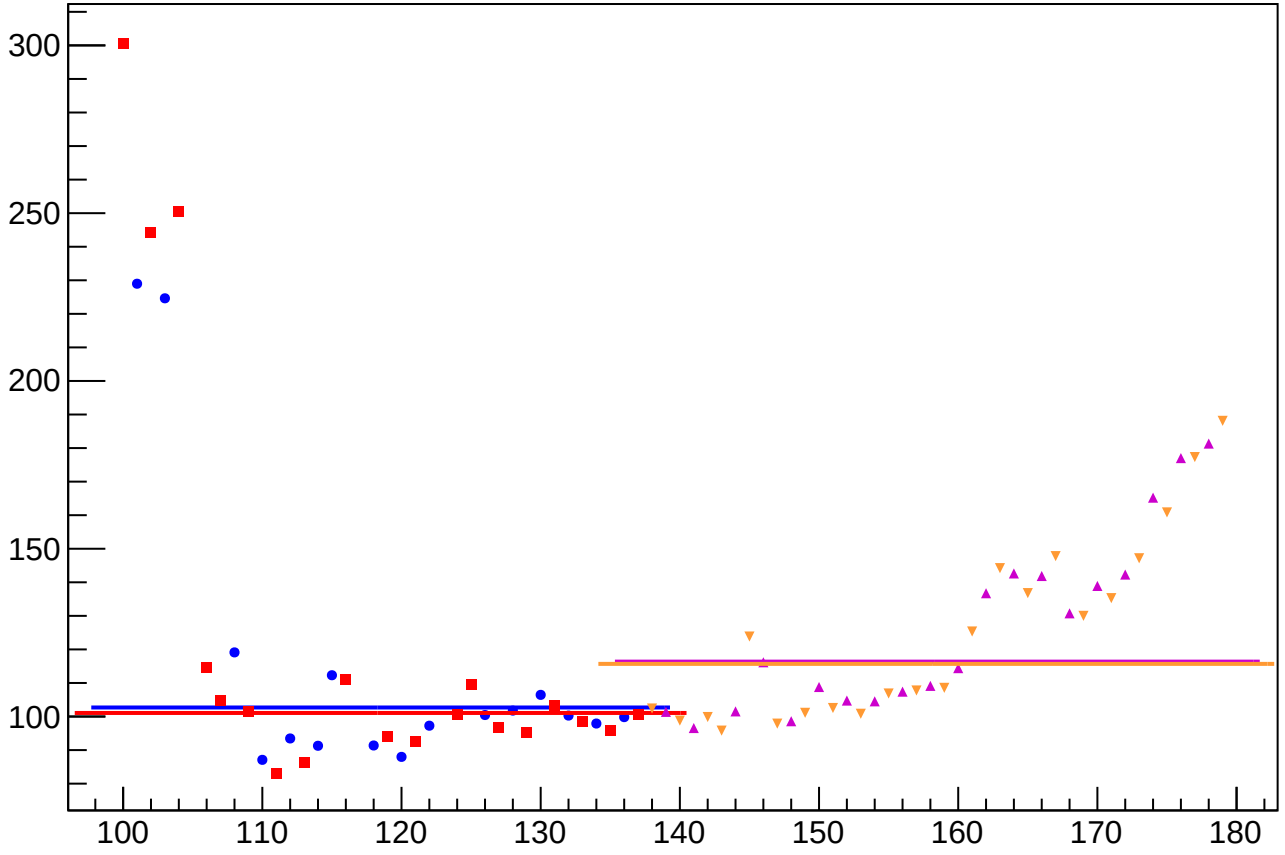
Left In: 4490.626+/-29.536 χ^2/NDF:17627.4/19

+ sign -3223.599+/-23.324 χ^2/NDF: 83672.0/37

All: 31.681+/-16.596 χ^2/NDF: 153327.7/76

- sign 3370.167+/-23.620 χ^2/NDF: 30198.8/38

asym_bpm2i01WS_rms vs Slug



Right In: 102.694+/-0.029 χ^2/NDF: 825801.5/15

Left Out: 115.689+/-0.020 χ^2/NDF:1209320.3/21

Right Out: 101.063+/-0.028 χ^2/NDF: 930458.1/18

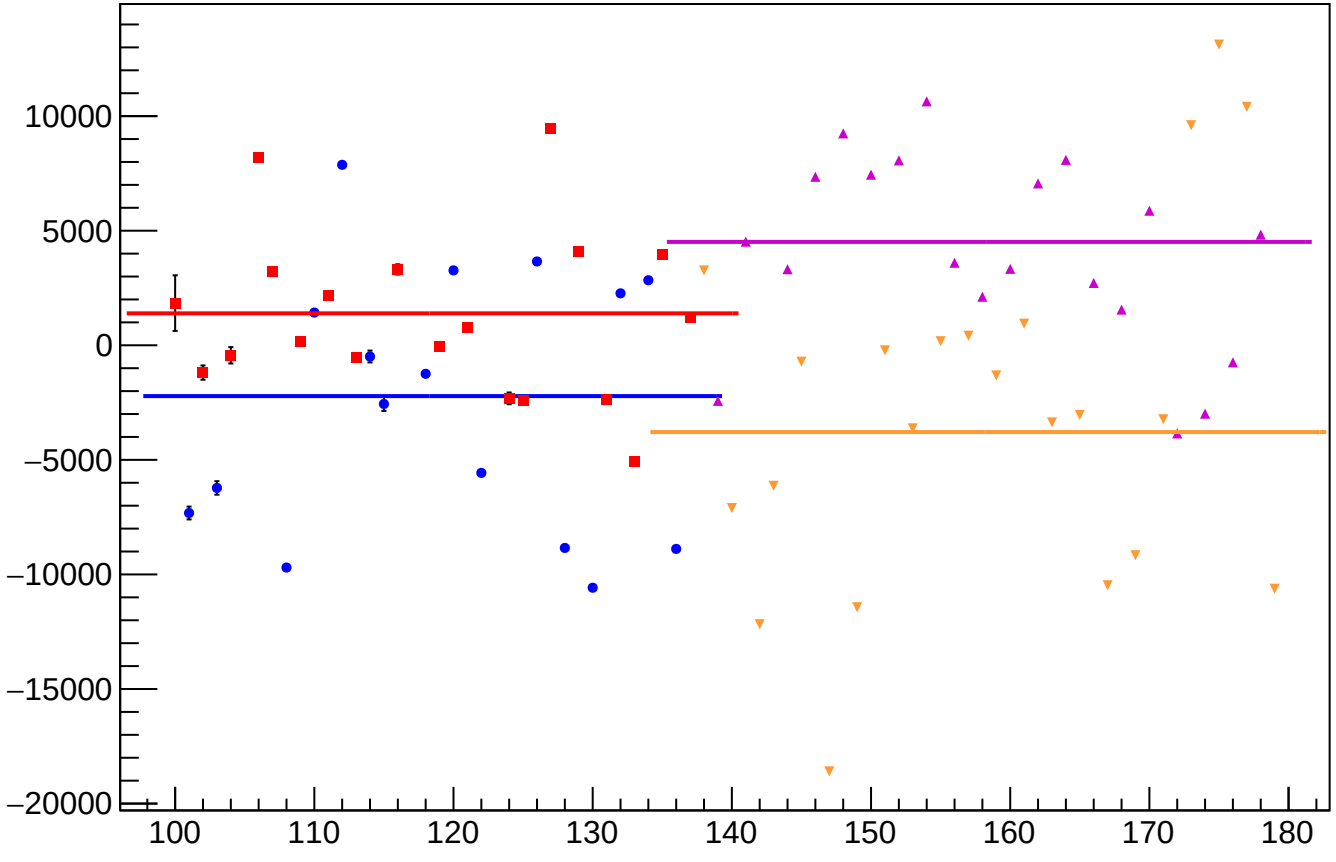
Left In: 116.361+/-0.021 χ^2/NDF:1000186.3/19

+ sign 111.428+/-0.016 χ^2/NDF: 2171934.9/37

All: 111.141+/-0.012 χ^2/NDF: 4296580.3/76

- sign 110.847+/-0.017 χ^2/NDF: 2124031.3/38

asym_bpm2i02WS_mean vs Slug



Right In: -2218.049+/-39.039 χ^2/NDF: 23040.7/15

Left Out: -3786.792+/-27.849 χ^2/NDF:65439.5/21

Right Out: 1393.557+/-37.580 χ^2/NDF: 9152.1/18

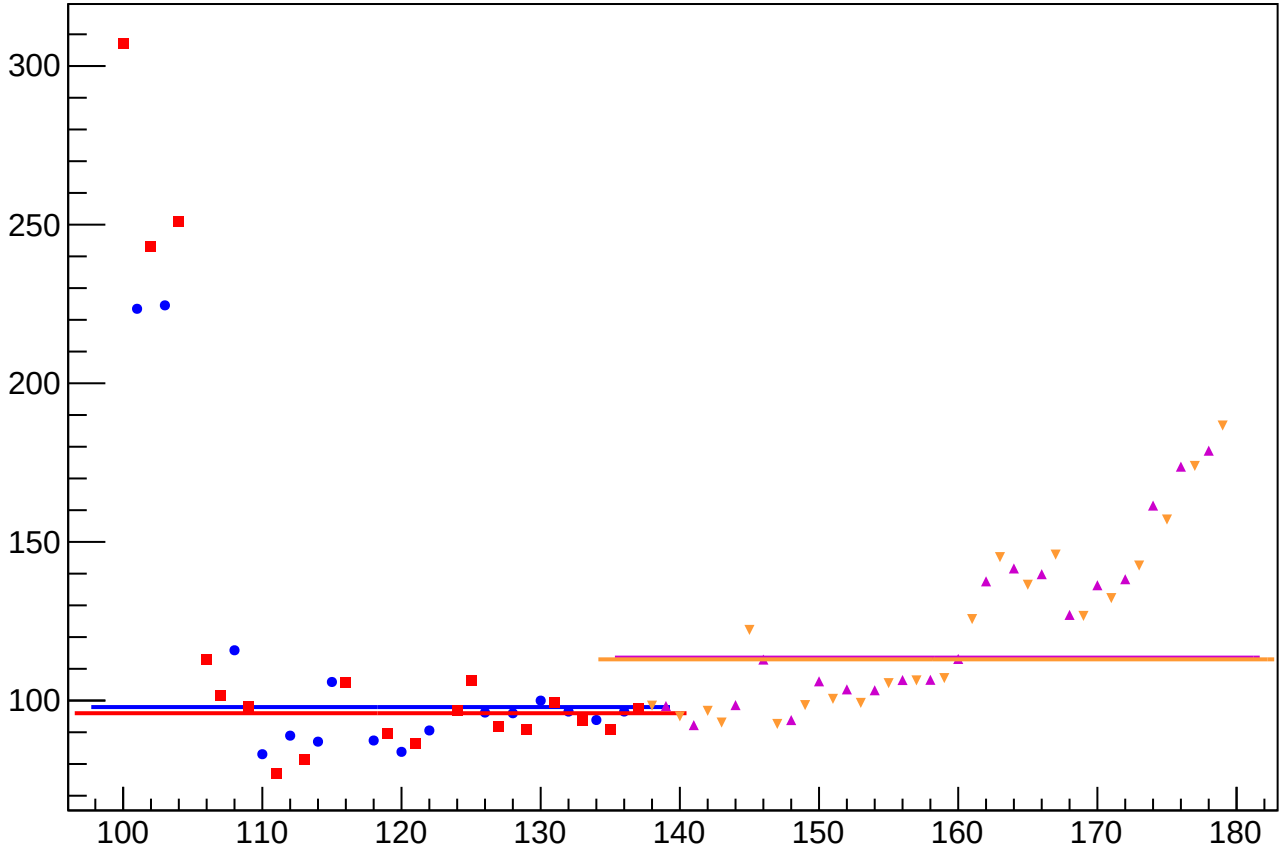
Left In: 4511.770+/-28.881 χ^2/NDF:18654.5/19

+ sign -3257.709+/-22.672 χ^2/NDF: 89550.3/37

All: 14.982+/-16.111 χ^2/NDF: 163782.0/76

- sign 3353.892+/-22.900 χ^2/NDF: 32135.0/38

asym_bpm2i02WS_rms vs Slug



Right In: 97.944+/-0.028 χ^2/NDF: 868148.4/15

Left Out: 112.983+/-0.020 χ^2/NDF:1294583.5/21

Right Out: 96.005+/-0.027 χ^2/NDF: 1012287.0/18

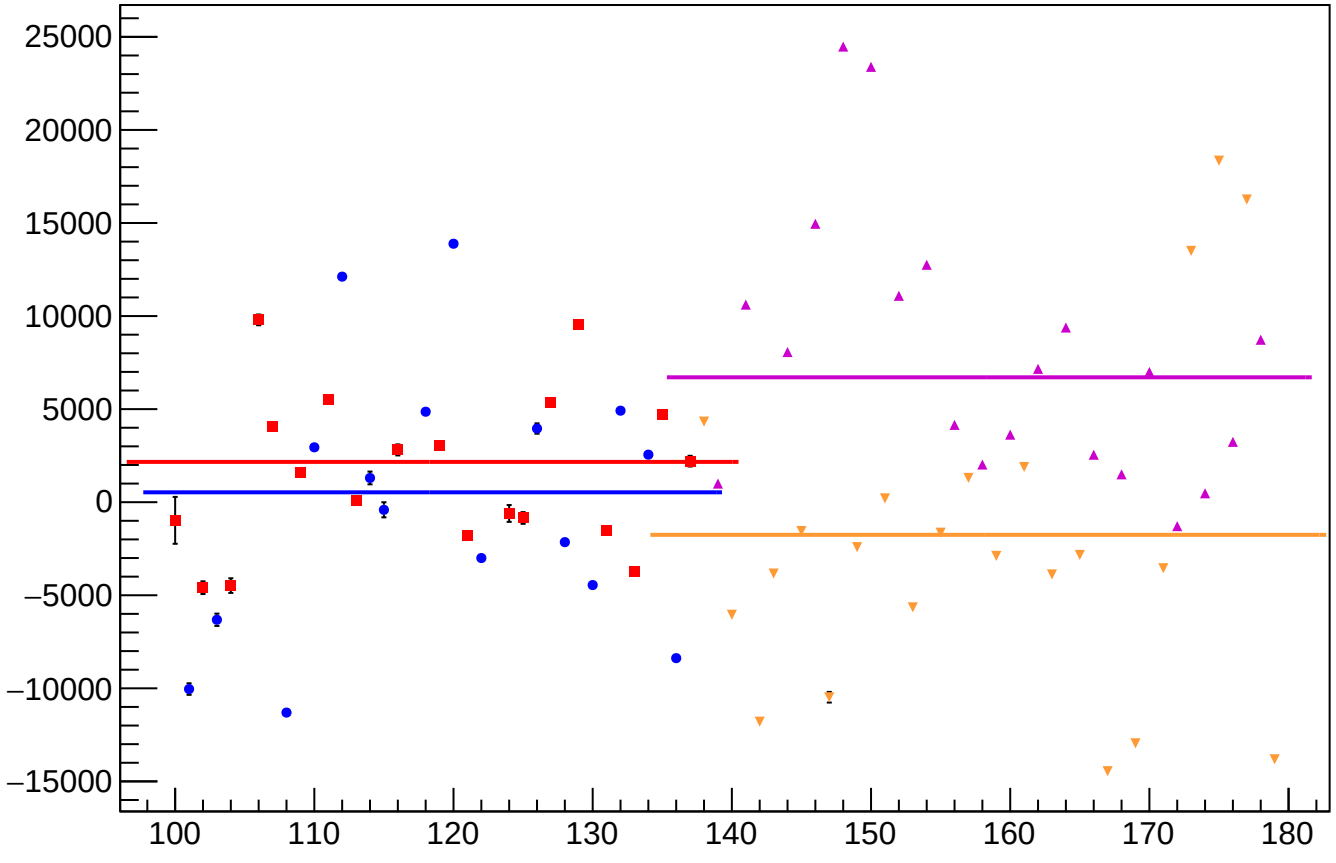
Left In: 113.532+/-0.020 χ^2/NDF:1062735.6/19

+ sign 107.910+/-0.016 χ^2/NDF: 2359435.1/37

All: 107.472+/-0.011 χ^2/NDF: 4709497.7/76

- sign 107.024+/-0.016 χ^2/NDF: 2348548.9/38

asym_bpm0i01WS_mean vs Slug



Right In: 530.568+/-54.855 χ^2/NDF: 18587.6/15

Left Out: -1753.686+/-38.903 χ^2/NDF:40660.6/21

Right Out: 2164.994+/-53.458 χ^2/NDF: 4967.1/18

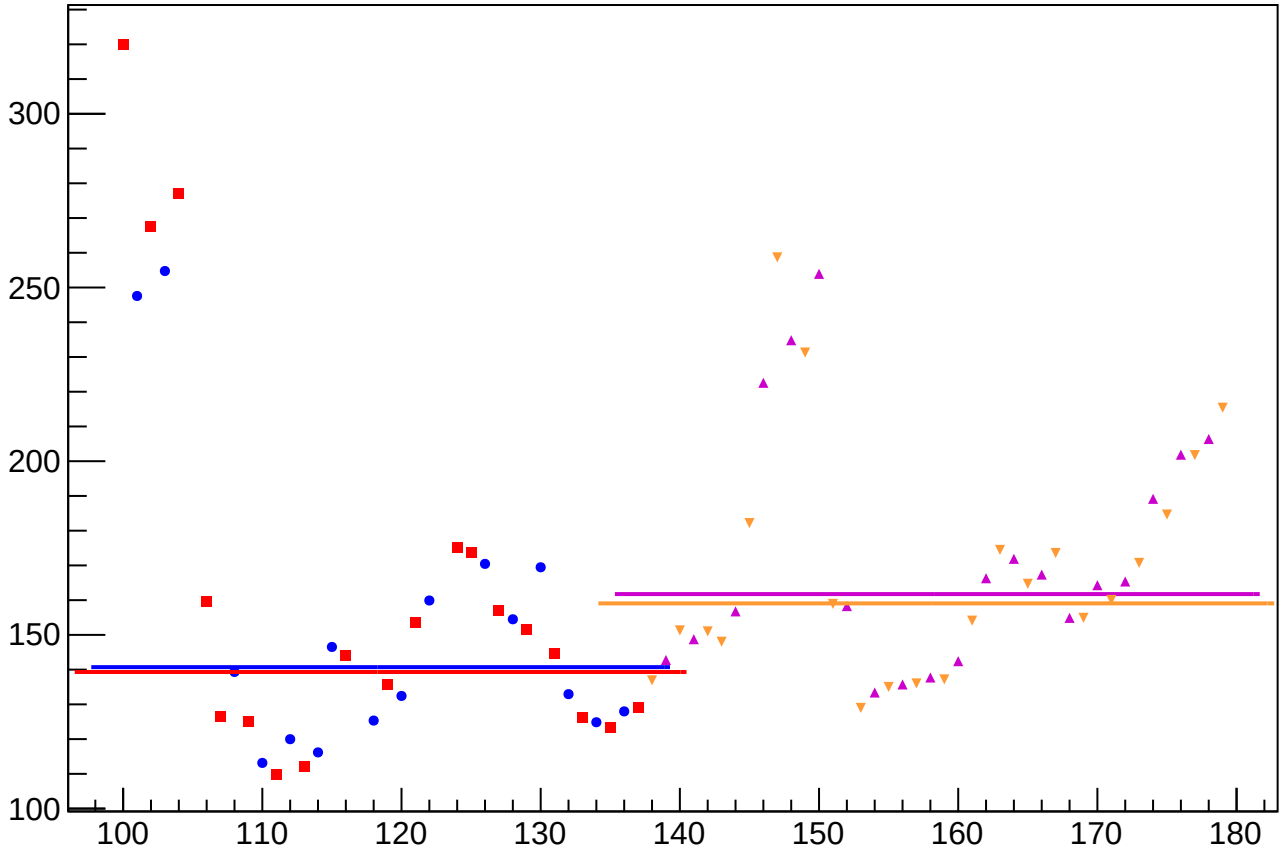
Left In: 6709.871+/-40.997 χ^2/NDF:20251.5/19

+ sign -989.257+/-31.733 χ^2/NDF: 60401.9/37

All: 1943.968+/-22.716 χ^2/NDF: 107695.8/76

- sign 5026.756+/-32.532 χ^2/NDF: 29769.9/38

asym_bpm0i01WS_rms vs Slug



Right In: 140.715+/-0.039 χ^2/NDF: 675618.7/15

Left Out: 159.073+/-0.028 χ^2/NDF:967572.9/21

Right Out: 139.317+/-0.038 χ^2/NDF: 802317.0/18

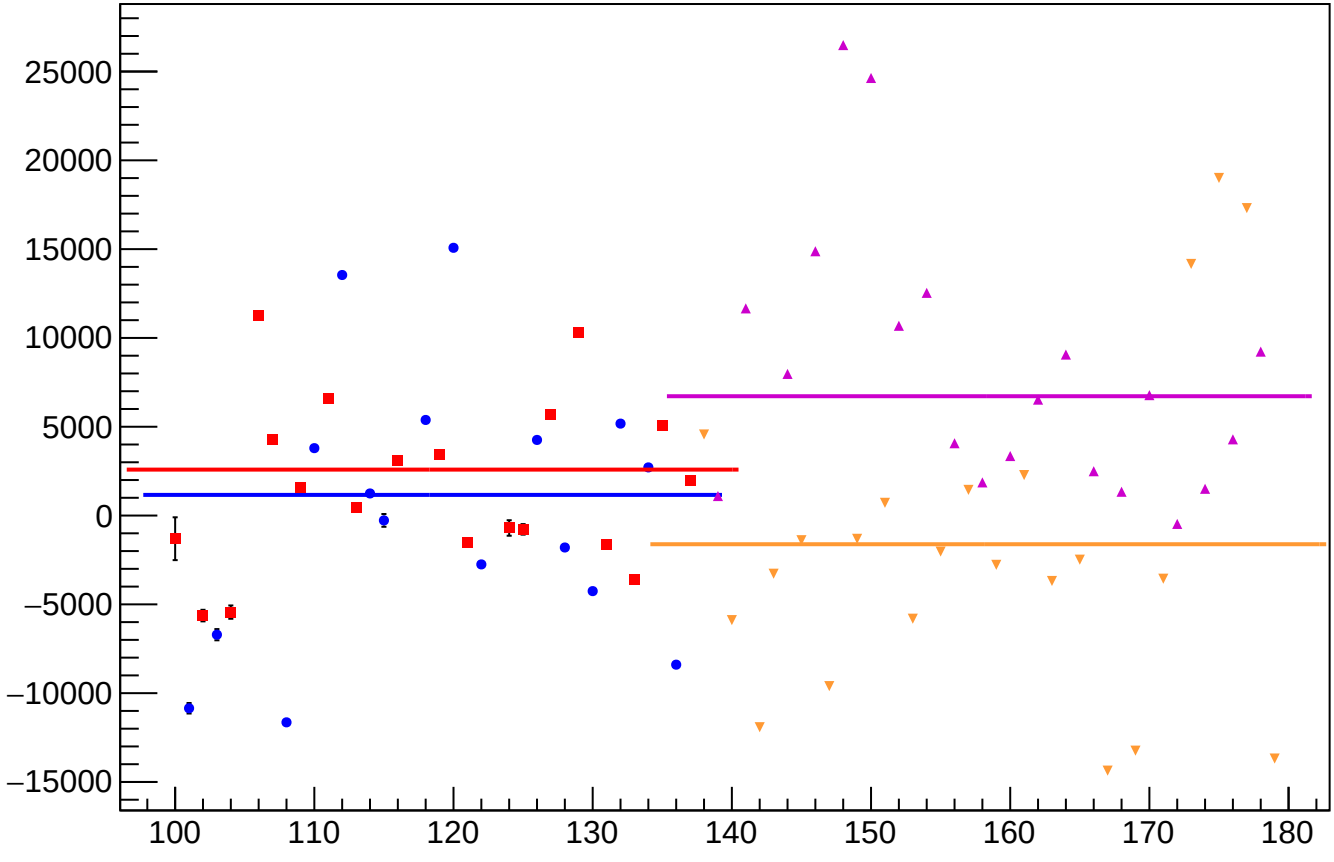
Left In: 161.750+/-0.029 χ^2/NDF:961000.6/19

\+ sign 152.929+/-0.022 χ^2/NDF: 1792223.8/37

All: 153.179+/-0.016 χ^2/NDF: 3777554.0/76

\- sign 153.442+/-0.023 χ^2/NDF: 1985075.6/38

asym_bpm0i01aWS_mean vs Slug



Right In: 1162.980+/-45.930 χ^2/NDF: 30754.3/15

Left Out: -1614.569+/-34.692 χ^2/NDF:50469.2/21

Right Out: 2586.755+/-44.256 χ^2/NDF: 8099.7/18

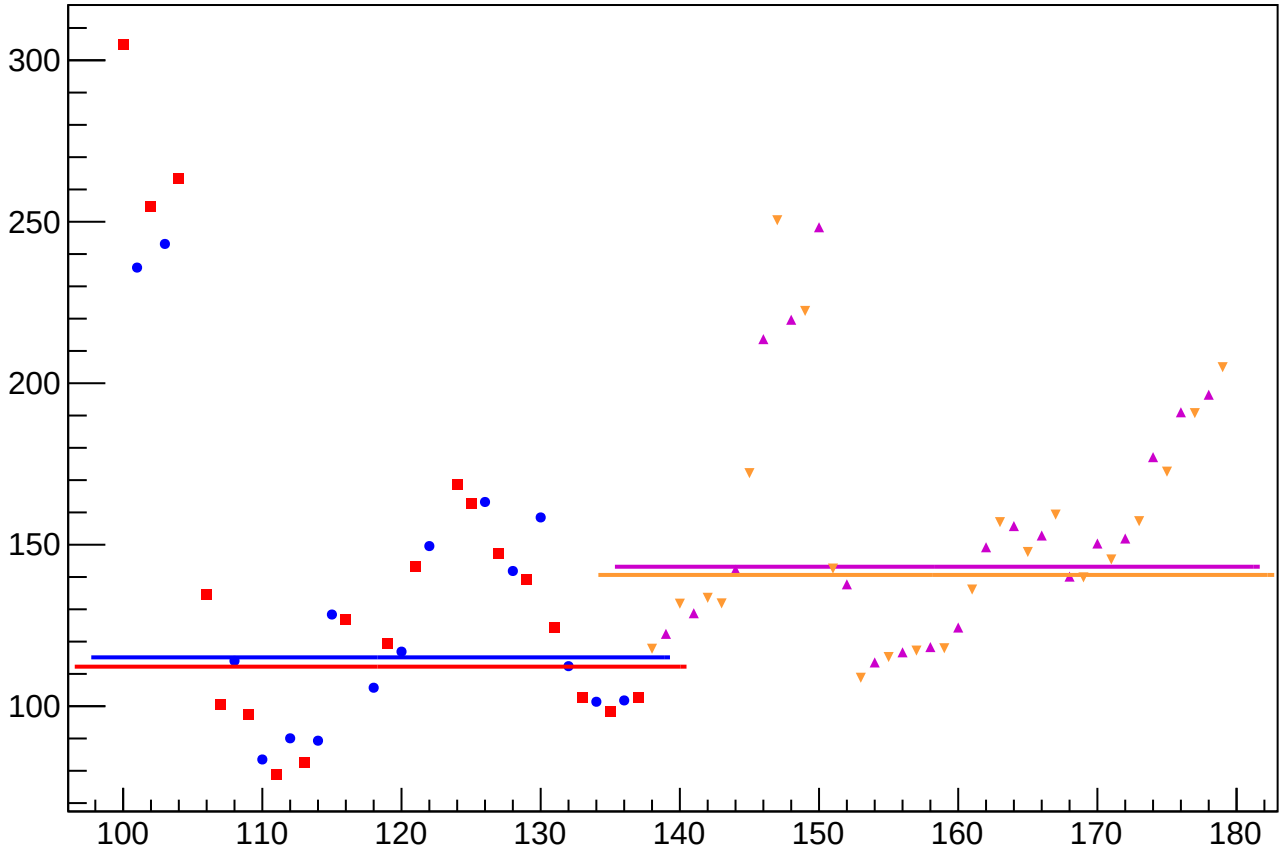
Left In: 6718.740+/-36.641 χ^2/NDF:25328.0/19

+ sign -605.601+/-27.683 χ^2/NDF: 83552.2/37

All: 2161.727+/-19.763 χ^2/NDF: 142532.8/76

- sign 5038.277+/-28.224 χ^2/NDF: 38599.5/38

asym_bpm0i01aWS_rms vs Slug



Right In: 115.125+/-0.032 χ^2/NDF: 1112987.2/15

Left Out: 140.645+/-0.025 χ^2/NDF:1403426.6/21

Right Out: 112.241+/-0.031 χ^2/NDF: 1328156.6/18

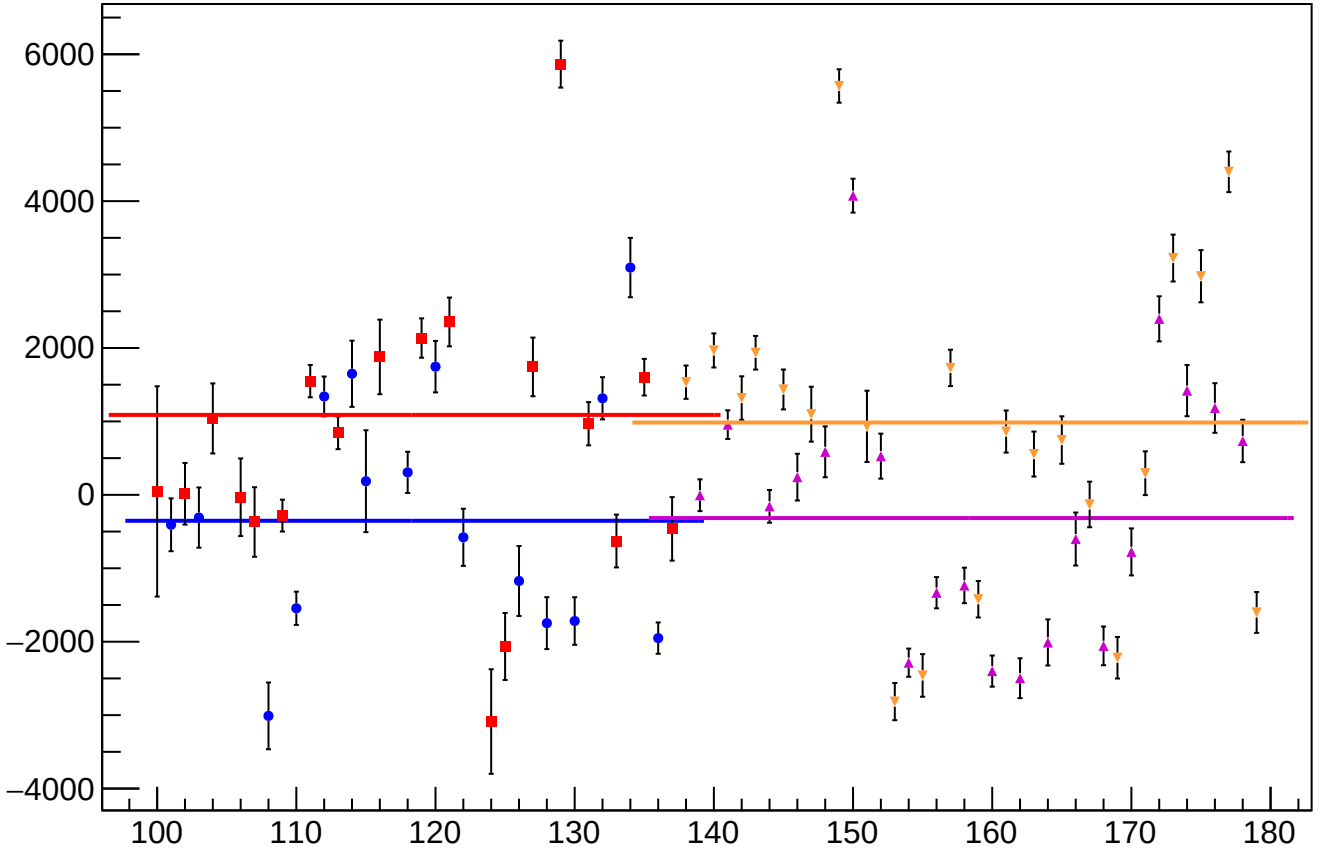
Left In: 143.185+/-0.026 χ^2/NDF:1373326.8/19

+ sign 131.375+/-0.020 χ^2/NDF: 2909542.6/37

All: 130.995+/-0.014 χ^2/NDF: 6191894.4/76

- sign 130.600+/-0.020 χ^2/NDF: 3281584.4/38

asym_bpm0l01WS_mean vs Slug



Right In: -353.129+/-82.136 χ^2/NDF: 361.8/15

Left Out: 985.051+/-59.452 χ^2/NDF:1387.7/21

Right Out: 1088.752+/-76.444 χ^2/NDF: 447.2/18

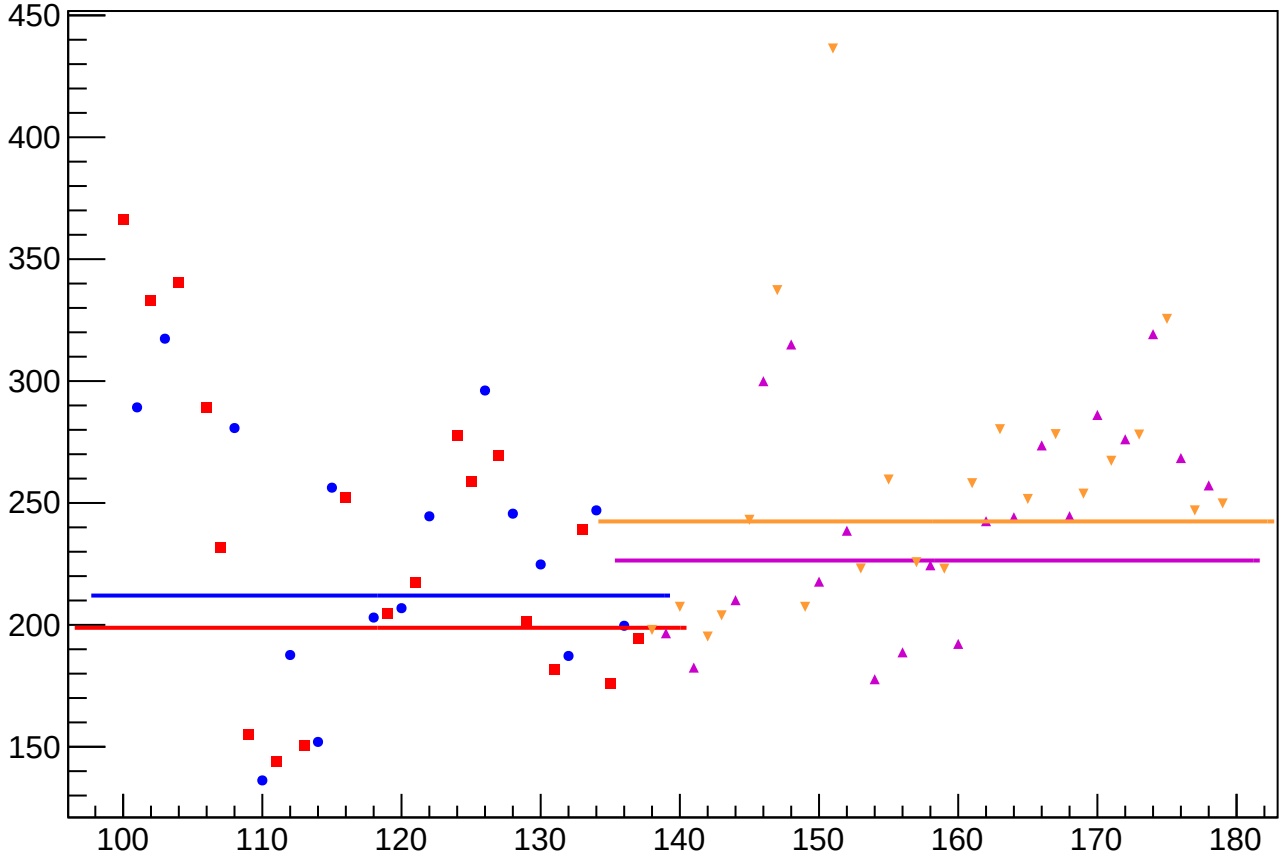
Left In: -316.167+/-57.804 χ^2/NDF:940.3/19

+ sign 524.988+/-48.160 χ^2/NDF: 1923.7/37

All: 352.764+/-33.304 χ^2/NDF: 3550.5/76

- sign 194.912+/-46.106 χ^2/NDF: 1602.3/38

asym_bpm0l01WS_rms vs Slug



Right In: 212.027+/-0.058 χ^2/NDF: 690358.0/15

Left Out: 242.433+/-0.042 χ^2/NDF:983369.2/21

Right Out: 198.809+/-0.054 χ^2/NDF: 974928.4/18

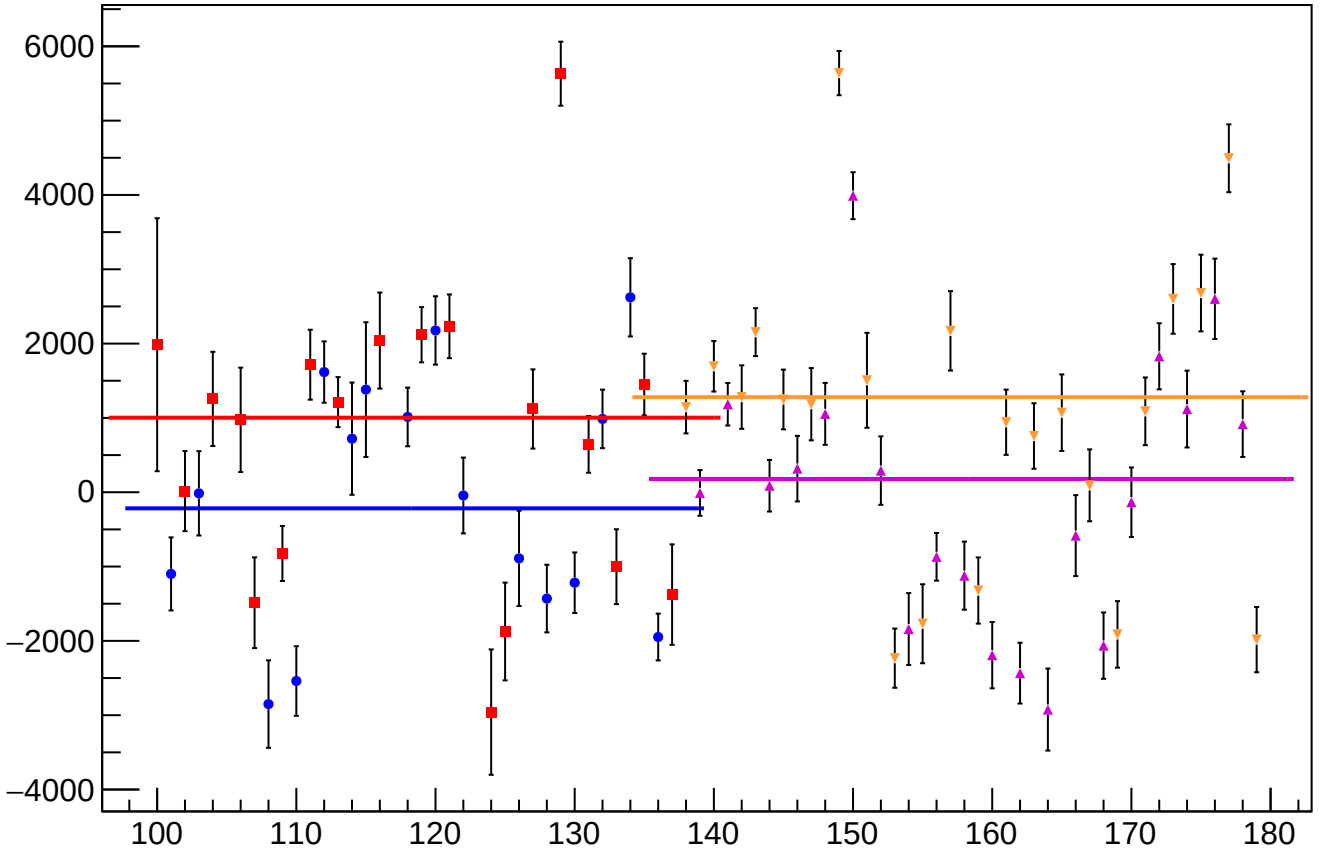
Left In: 226.403+/-0.041 χ^2/NDF:1012468.4/19

+ sign 231.980+/-0.034 χ^2/NDF: 1853581.8/37

All: 223.833+/-0.024 χ^2/NDF: 4116477.5/76

- sign 216.365+/-0.033 χ^2/NDF: 2153192.0/38

asym_bpm0l02WS_mean vs Slug



Right In: -216.948+/-117.887 χ^2/NDF: 192.2/15

Left Out: 1279.128+/-90.983 χ^2/NDF:551.0/21

Right Out: 1003.049+/-113.111 χ^2/NDF: 254.3/18

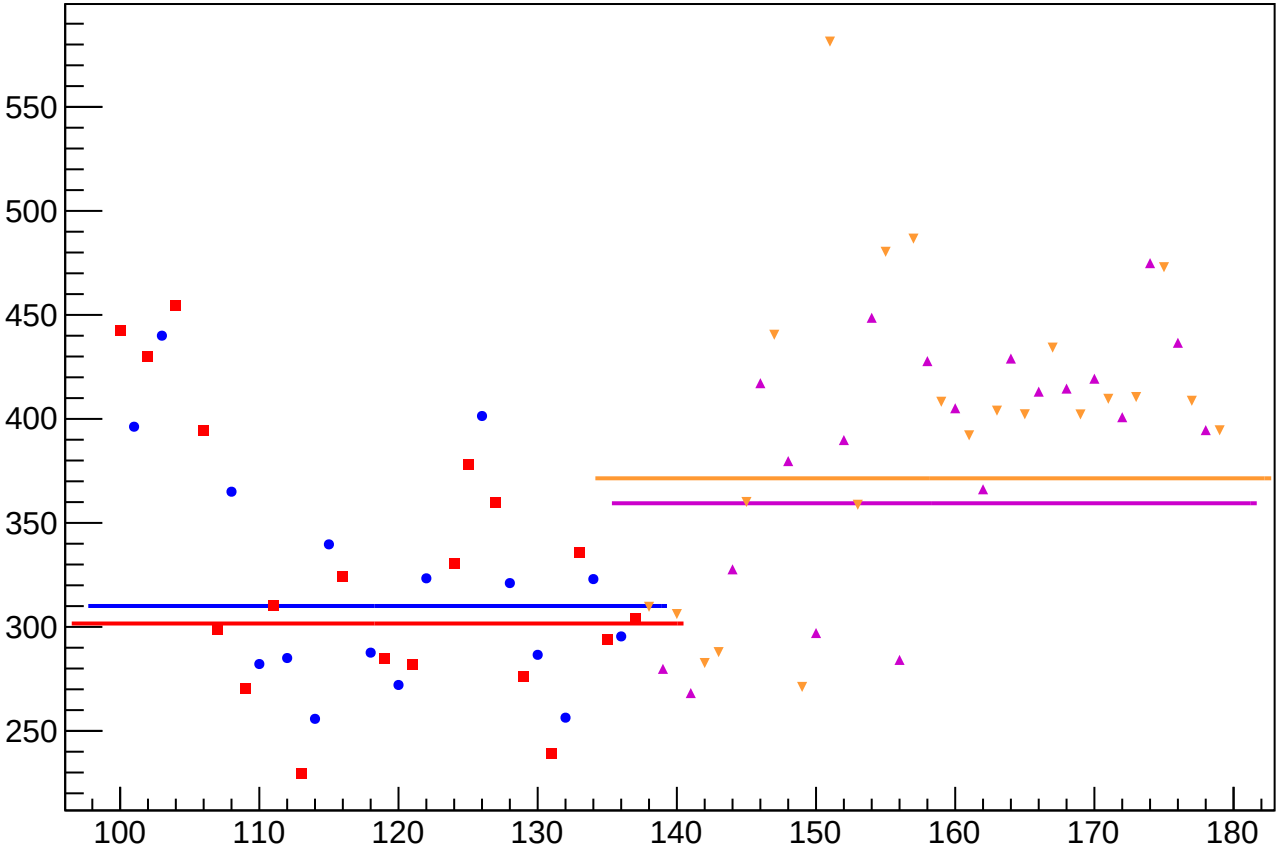
Left In: 178.721+/-91.247 χ^2/NDF:367.5/19

+ sign 720.650+/-72.027 χ^2/NDF: 844.1/37

All: 610.640+/-50.570 χ^2/NDF: 1502.7/76

- sign 503.688+/-71.019 χ^2/NDF: 654.0/38

asym_bpm0l02WS_rms vs Slug



Right In: 310.062+/-0.083 χ^2/NDF: 323283.5/15

Left Out: 371.443+/-0.064 χ^2/NDF:1223752.7/21

Right Out: 301.637+/-0.080 χ^2/NDF: 519888.9/18

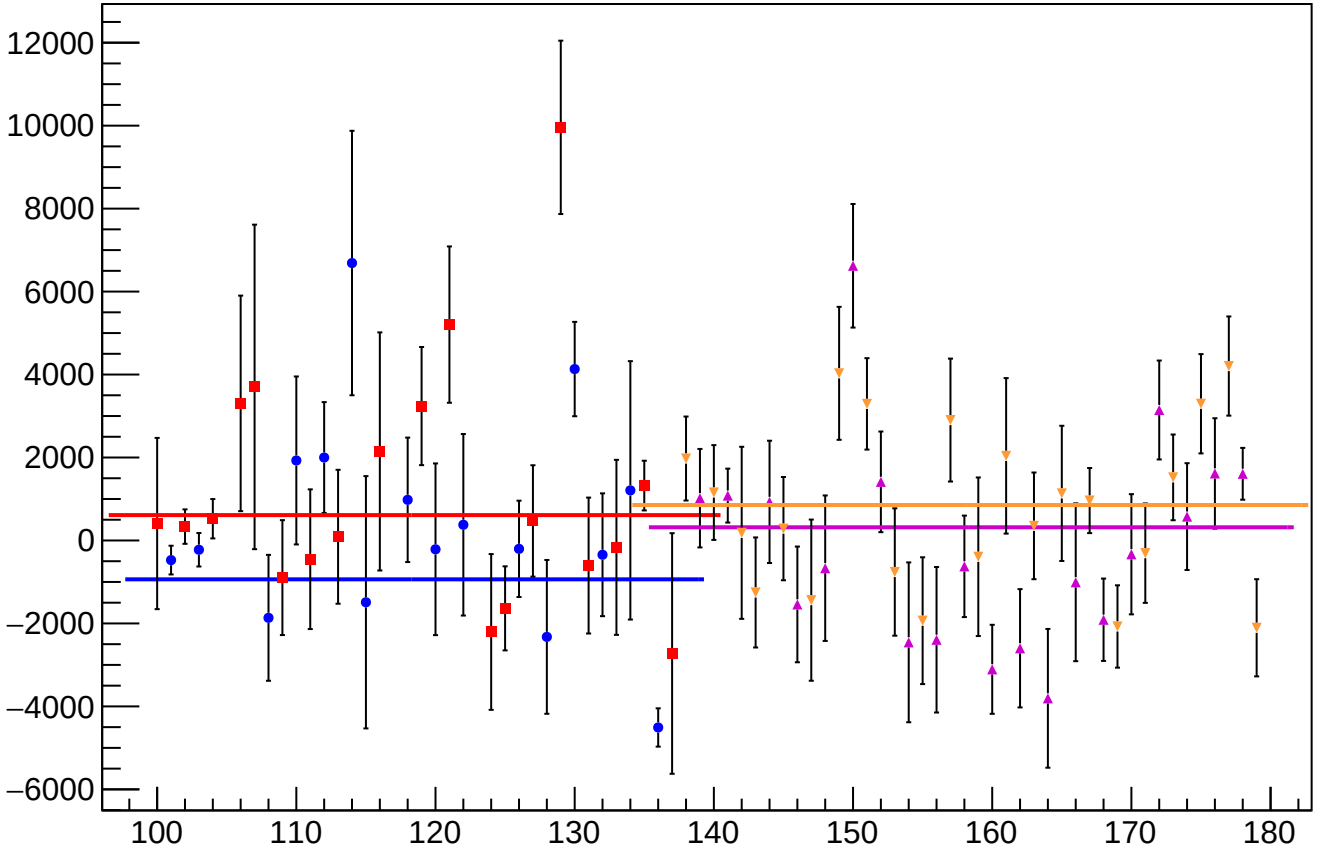
Left In: 359.446+/-0.065 χ^2/NDF:1009584.1/19

+ sign 348.530+/-0.051 χ^2/NDF: 1886837.9/37

All: 342.509+/-0.036 χ^2/NDF: 3760331.0/76

- sign 336.656+/-0.050 χ^2/NDF: 1845936.0/38

asym_bpm0l03WS_mean vs Slug



Right In: -936.949+/-204.717 χ^2/NDF: 101.2/15

Left Out: 854.901+/-268.095 χ^2/NDF:50.2/21

Right Out: 611.668+/-233.144 χ^2/NDF: 44.1/18

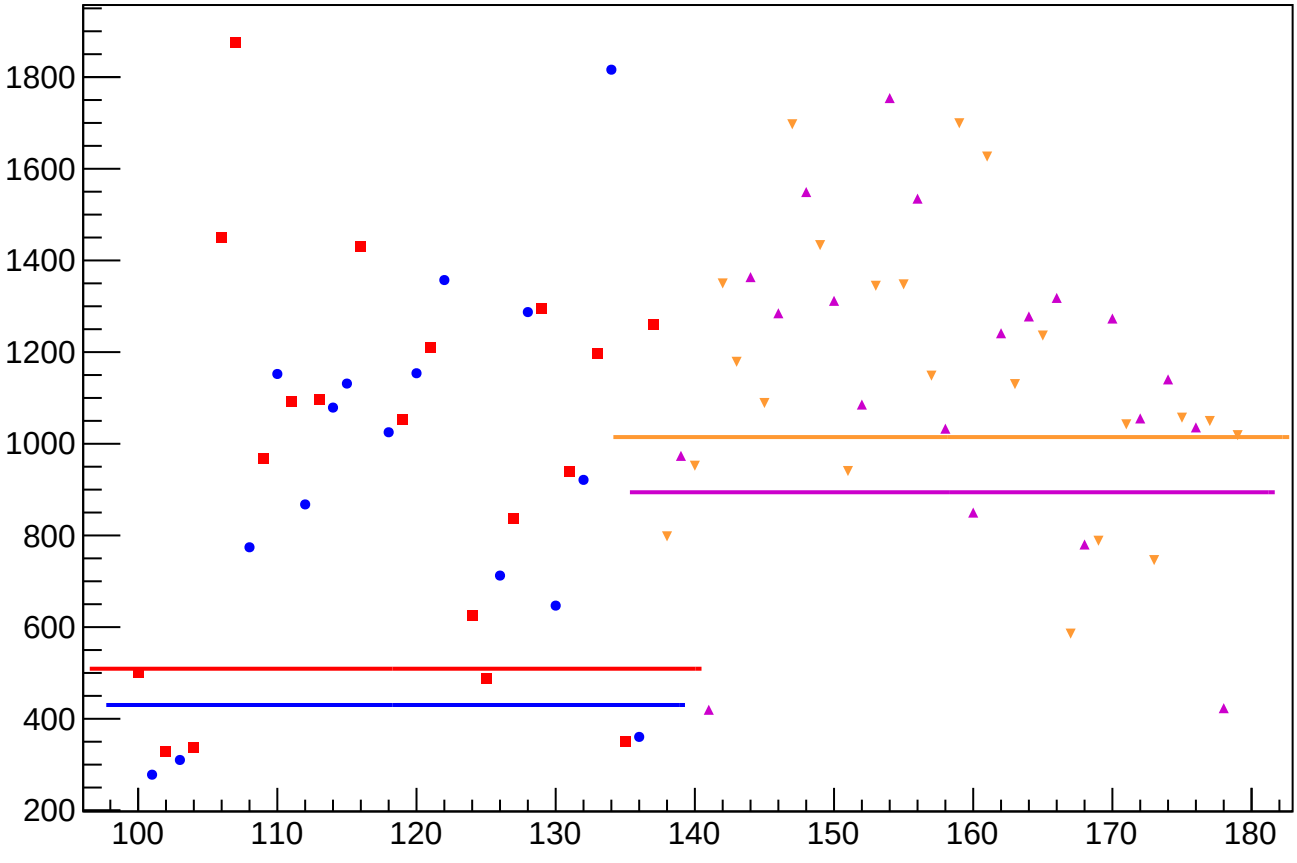
Left In: 317.945+/-260.918 χ^2/NDF:64.8/19

+ sign -276.975+/-162.705 χ^2/NDF: 179.6/37

All: 77.063+/-118.795 χ^2/NDF: 299.4/76

- sign 481.266+/-173.851 χ^2/NDF: 109.7/38

asym_bpm0l03WS_rms vs Slug



Right In: 430.110+/-0.145 χ^2/NDF: 3521861.8/15

Left Out: 1014.635+/-0.190 χ^2/NDF:2148401.9/21

Right Out: 509.236+/-0.165 χ^2/NDF: 3673425.8/18

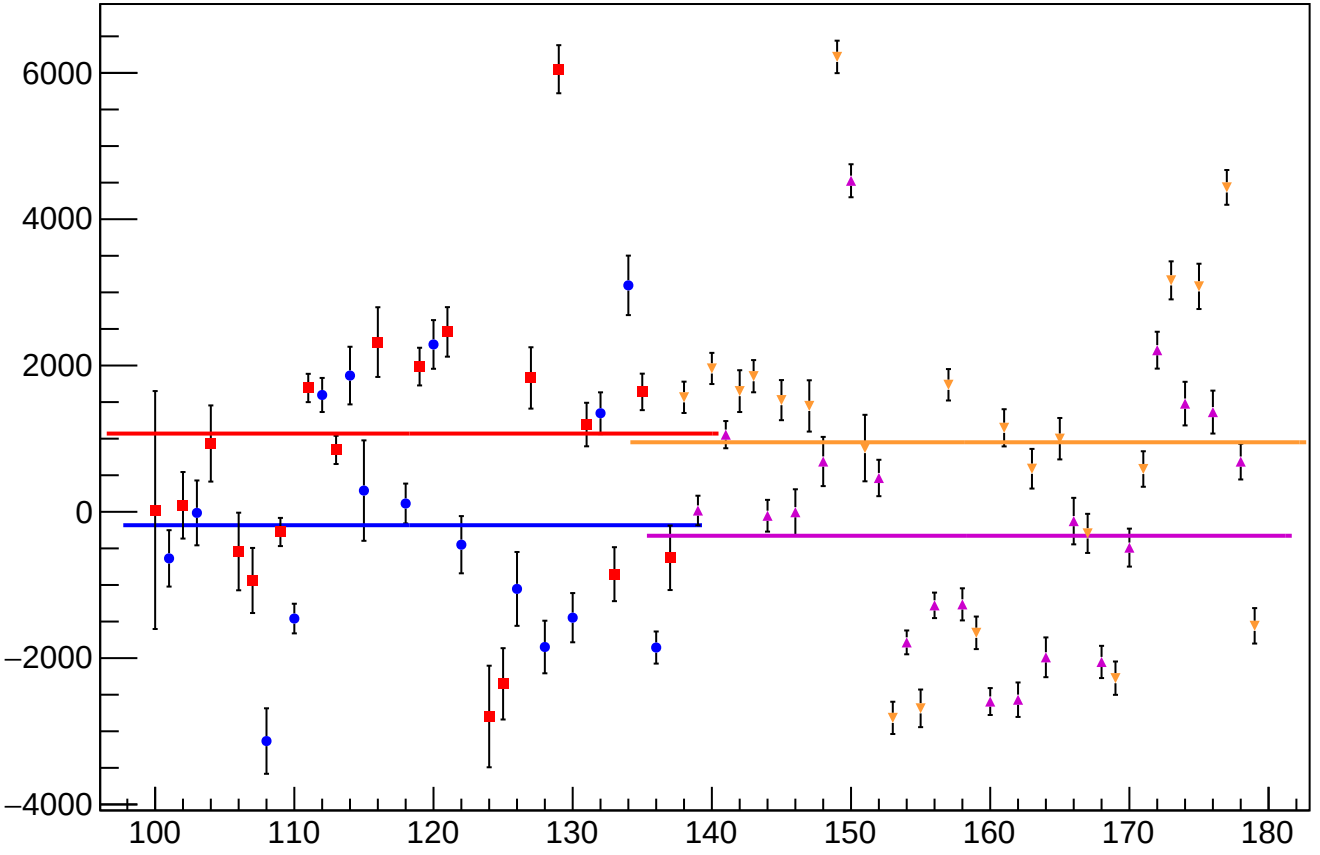
Left In: 894.235+/-0.184 χ^2/NDF:4371225.9/19

+ sign 645.403+/-0.115 χ^2/NDF: 11675845.9/37

All: 661.632+/-0.084 χ^2/NDF: 22184401.5/76

- sign 680.161+/-0.123 χ^2/NDF: 10465937.8/38

asym_bpm0l04WS_mean vs Slug



Right In: -183.020+/-79.863 χ^2/NDF: 417.7/15

Left Out: 950.838+/-53.258 χ^2/NDF:1934.3/21

Right Out: 1069.729+/-73.060 χ^2/NDF: 492.3/18

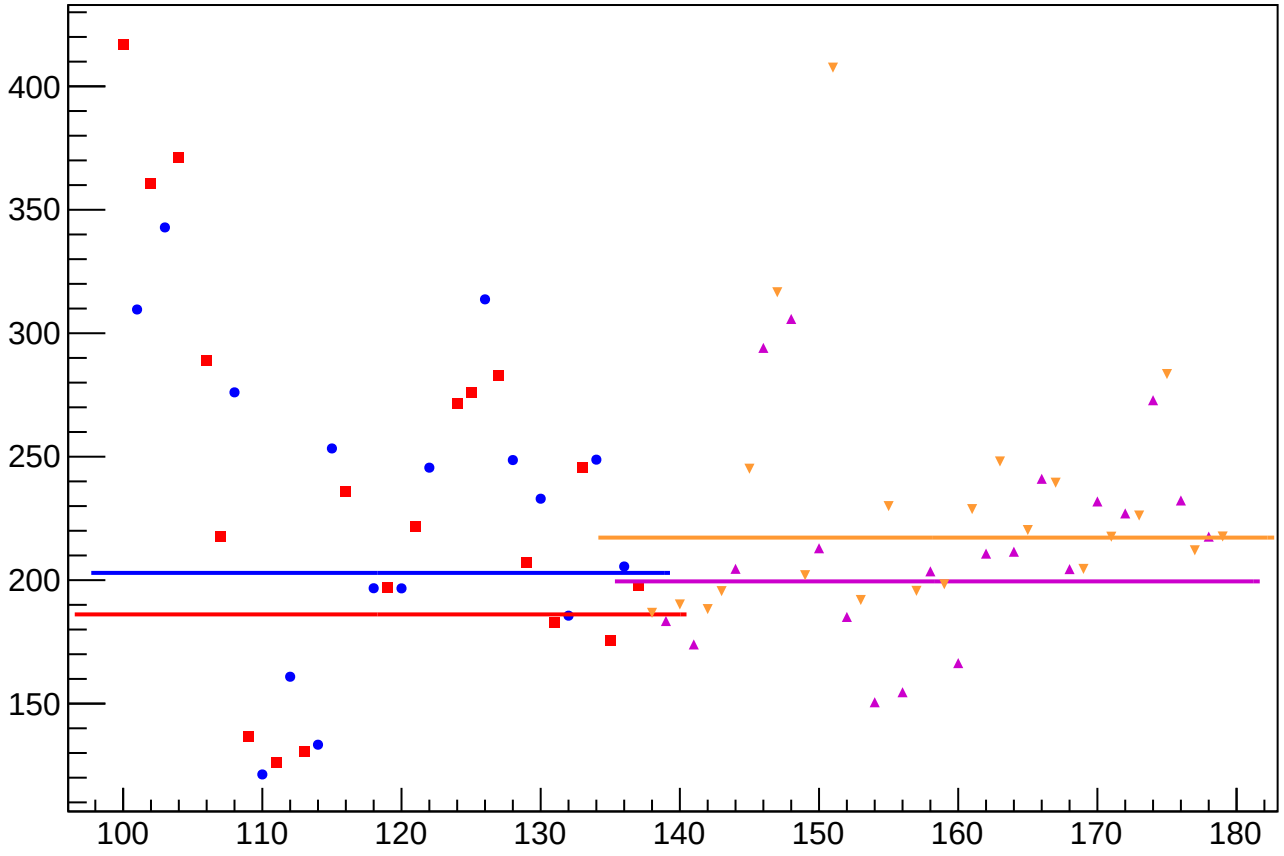
Left In: -327.164+/-51.127 χ^2/NDF:1200.9/19

+ sign 601.818+/-44.309 χ^2/NDF: 2491.6/37

All: 353.744+/-30.440 χ^2/NDF: 4489.5/76

- sign 132.029+/-41.889 χ^2/NDF: 1938.5/38

asym_bpm0l04WS_rms vs Slug



Right In: 202.941+/-0.056 χ^2/NDF: 1071859.2/15

Left Out: 217.233+/-0.038 χ^2/NDF:865016.3/21

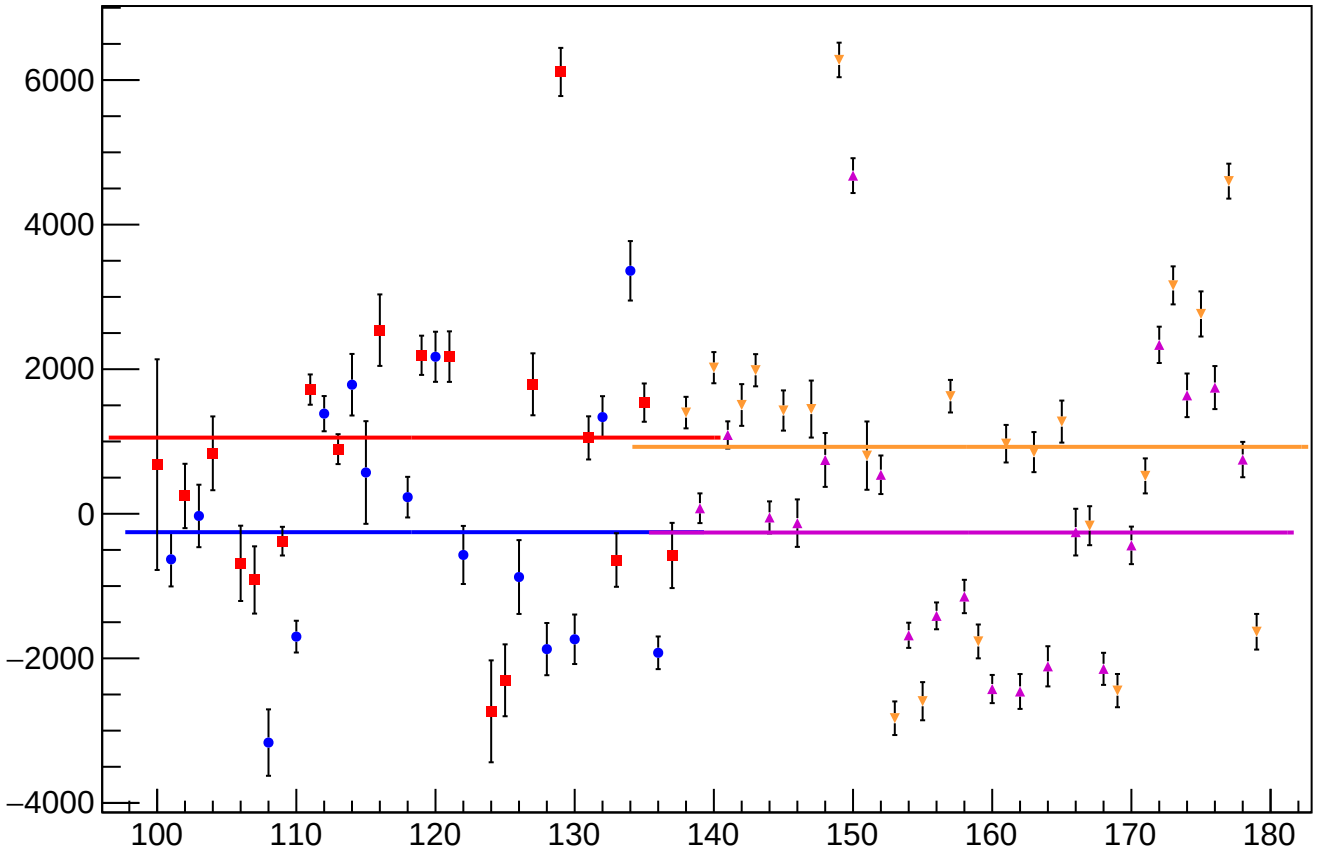
Right Out: 186.129+/-0.052 χ^2/NDF: 1481664.4/18

Left In: 199.501+/-0.036 χ^2/NDF:1081415.7/19

+ sign 212.834+/-0.031 χ^2/NDF: 1981209.0/37

All: 203.472+/-0.022 χ^2/NDF: 4758337.4/76

- sign 195.105+/-0.030 χ^2/NDF: 2608051.4/38



Right In: -254.470+/-82.490 χ^2/NDF: 409.3/15

Left Out: 925.902+/-54.676 χ^2/NDF:1826.0/21

Right Out: 1053.731+/-75.969 χ^2/NDF: 477.7/18

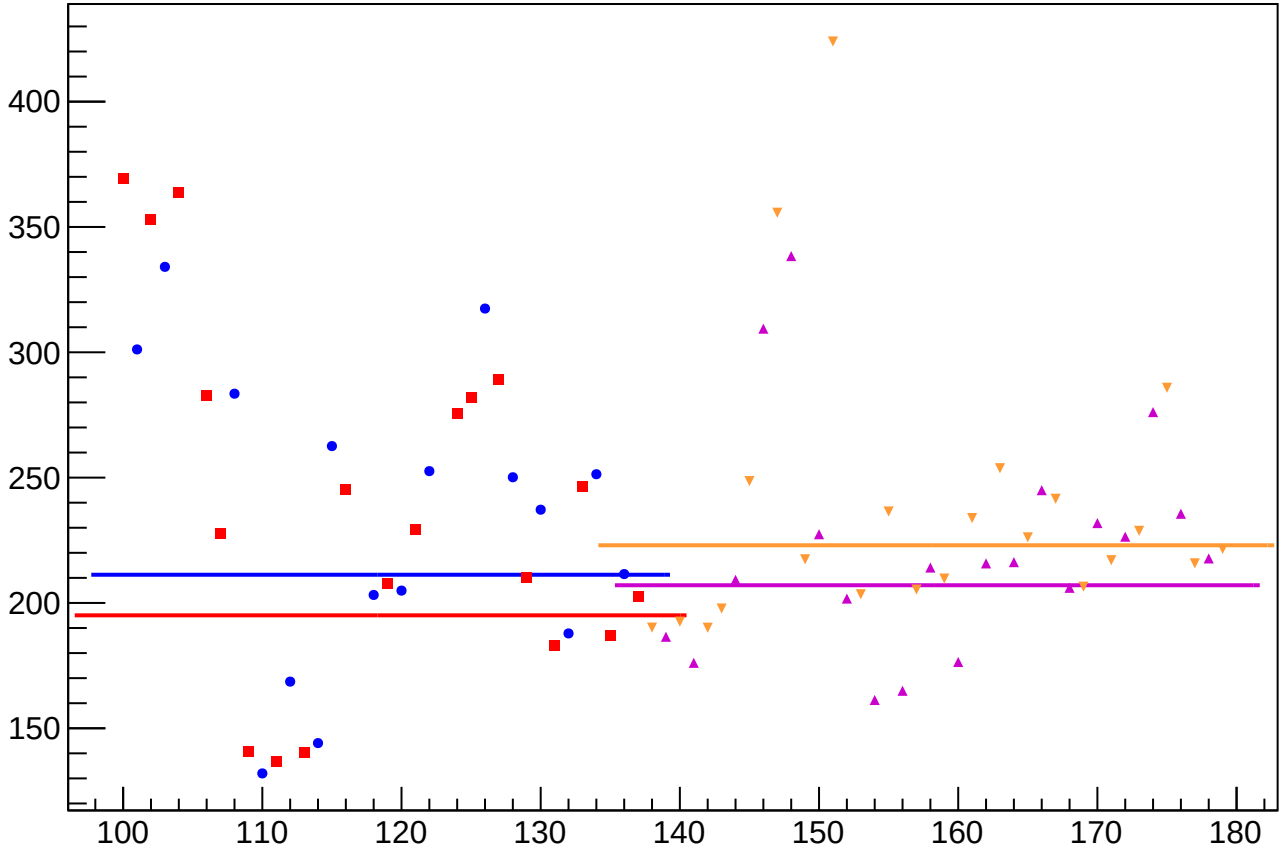
Left In: -259.385+/-52.946 χ^2/NDF:1143.4/19

+ sign 565.615+/-45.574 χ^2/NDF: 2377.5/37

All: 358.268+/-31.443 χ^2/NDF: 4239.2/76

- sign 169.906+/-43.437 χ^2/NDF: 1822.2/38

asym_bpm0l05WS_rms vs Slug



Right In: 211.254+/-0.058 χ^2/NDF: 884363.6/15

Left Out: 223.007+/-0.039 χ^2/NDF:914687.6/21

Right Out: 195.061+/-0.054 χ^2/NDF: 1284879.9/18

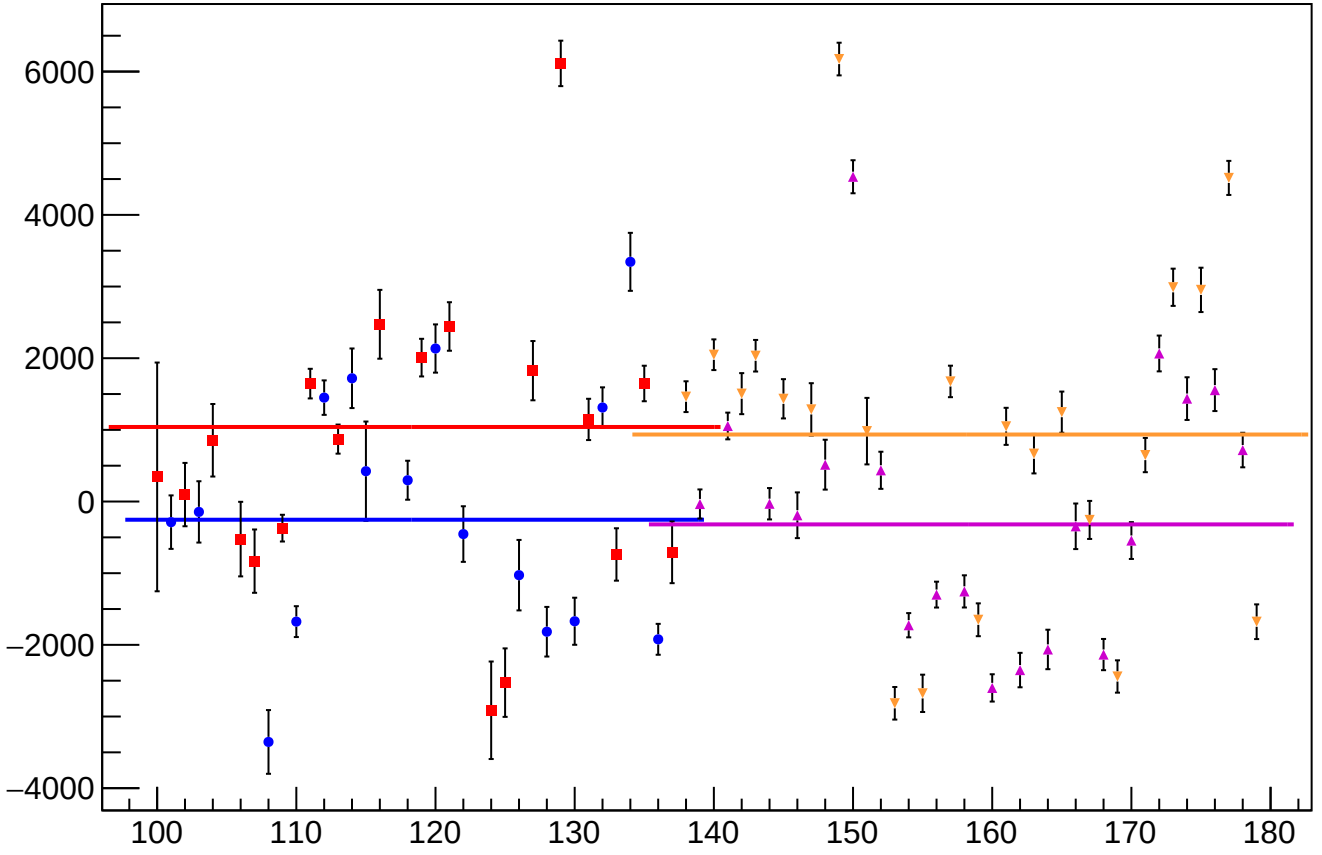
Left In: 207.063+/-0.037 χ^2/NDF:1013710.5/19

+ sign 219.420+/-0.032 χ^2/NDF: 1827262.2/37

All: 210.889+/-0.022 χ^2/NDF: 4293187.6/76

- sign 203.139+/-0.031 χ^2/NDF: 2332187.4/38

asym_bpm0l06WS_mean vs Slug



Right In: -254.044+/-80.222 χ^2/NDF: 432.1/15

Left Out: 935.170+/-53.731 χ^2/NDF:1894.2/21

Right Out: 1040.361+/-73.363 χ^2/NDF: 533.4/18

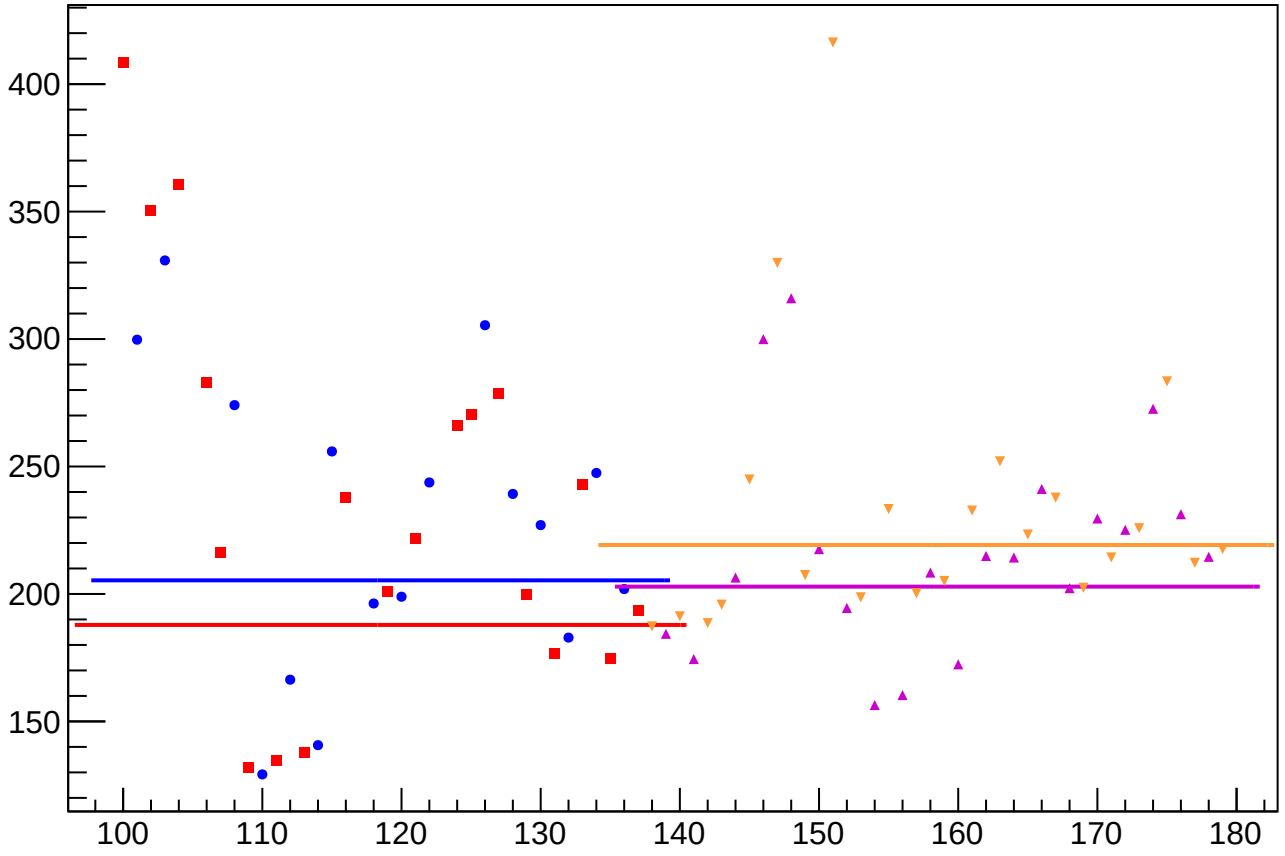
Left In: -319.082+/-51.888 χ^2/NDF:1141.9/19

+ sign 566.902+/-44.642 χ^2/NDF: 2478.0/37

All: 339.227+/-30.729 χ^2/NDF: 4431.6/76

- sign 134.210+/-42.363 χ^2/NDF: 1904.2/38

asym_bpm0l06WS_rms vs Slug



Right In: 205.341+/-0.057 χ^2/NDF: 877398.6/15

Left Out: 219.208+/-0.038 χ^2/NDF:880641.6/21

Right Out: 187.848+/-0.052 χ^2/NDF: 1337049.4/18

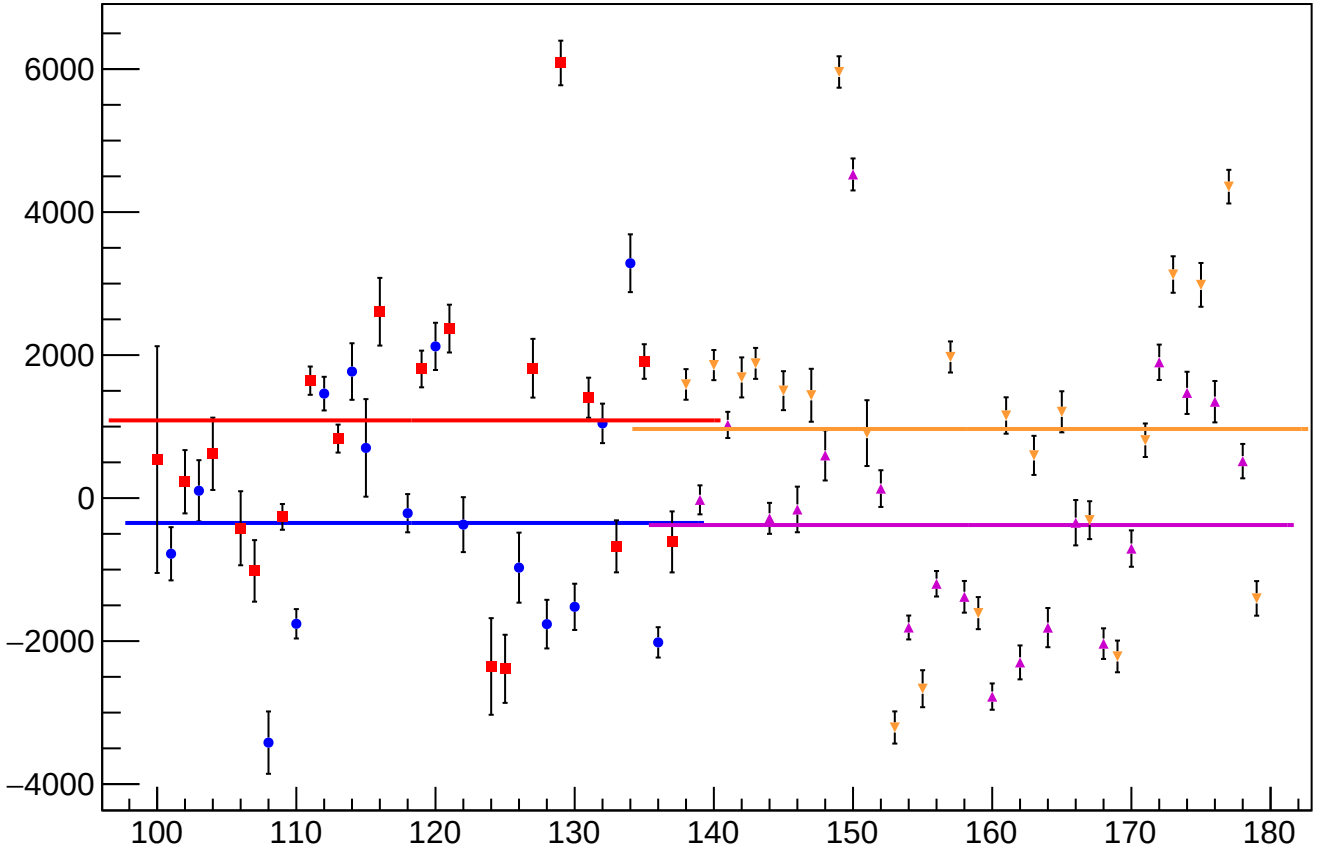
Left In: 202.876+/-0.037 χ^2/NDF:993049.2/19

+ sign 214.914+/-0.032 χ^2/NDF: 1799294.3/37

All: 205.943+/-0.022 χ^2/NDF: 4338813.8/76

- sign 197.865+/-0.030 χ^2/NDF: 2386037.6/38

asym_bpm0l07WS_mean vs Slug



Right In: -347.666+/-78.567 χ^2/NDF: 445.8/15

Left Out: 966.721+/-53.069 χ^2/NDF:1917.0/21

Right Out: 1086.638+/-71.539 χ^2/NDF: 527.2/18

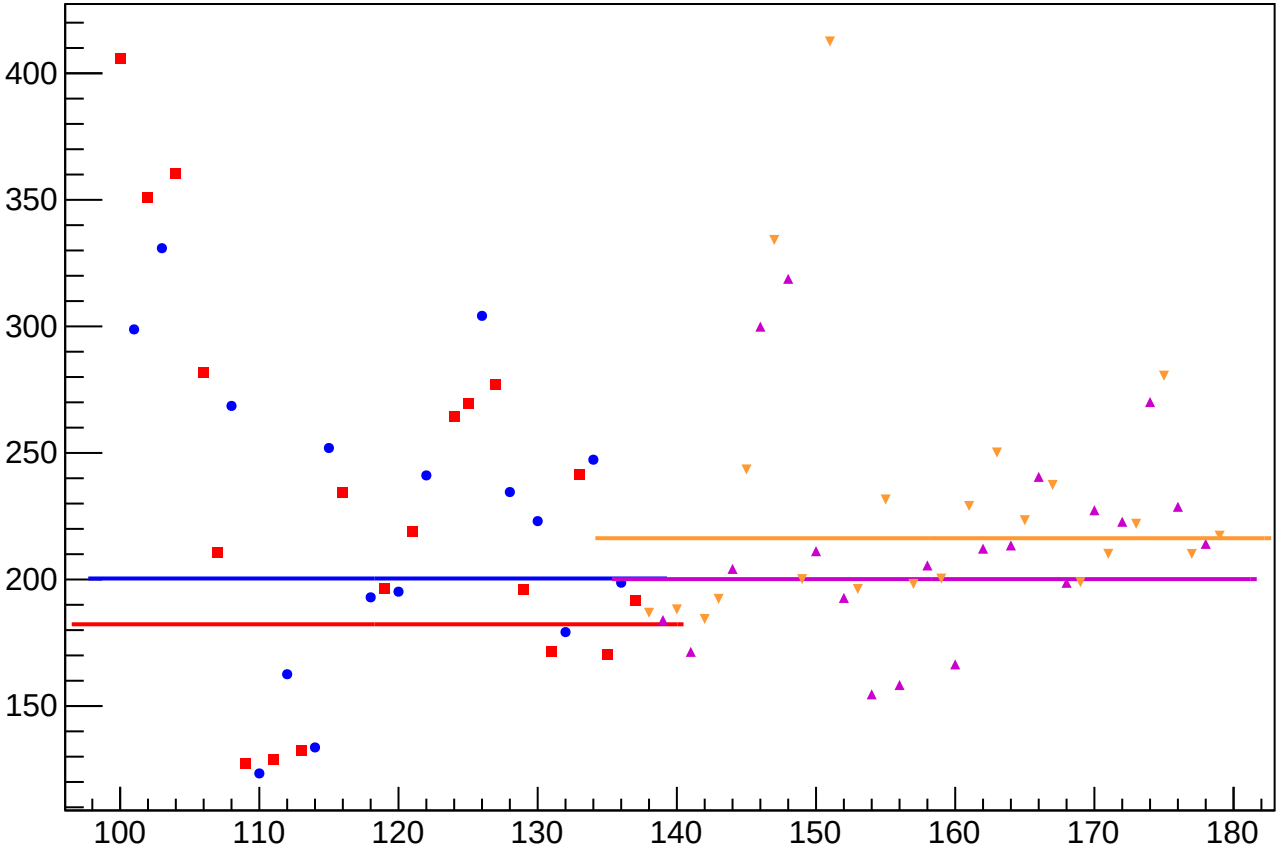
Left In: -376.776+/-51.238 χ^2/NDF:1166.8/19

+ sign 554.922+/-43.977 χ^2/NDF: 2555.0/37

All: 325.365+/-30.242 χ^2/NDF: 4577.2/76

- sign 119.398+/-41.656 χ^2/NDF: 1970.5/38

asym_bpm0l07WS_rms vs Slug



Right In: 200.399+/-0.056 χ^2/NDF: 959000.8/15

Left Out: 216.313+/-0.038 χ^2/NDF:921141.7/21

Right Out: 182.302+/-0.051 χ^2/NDF: 1447197.0/18

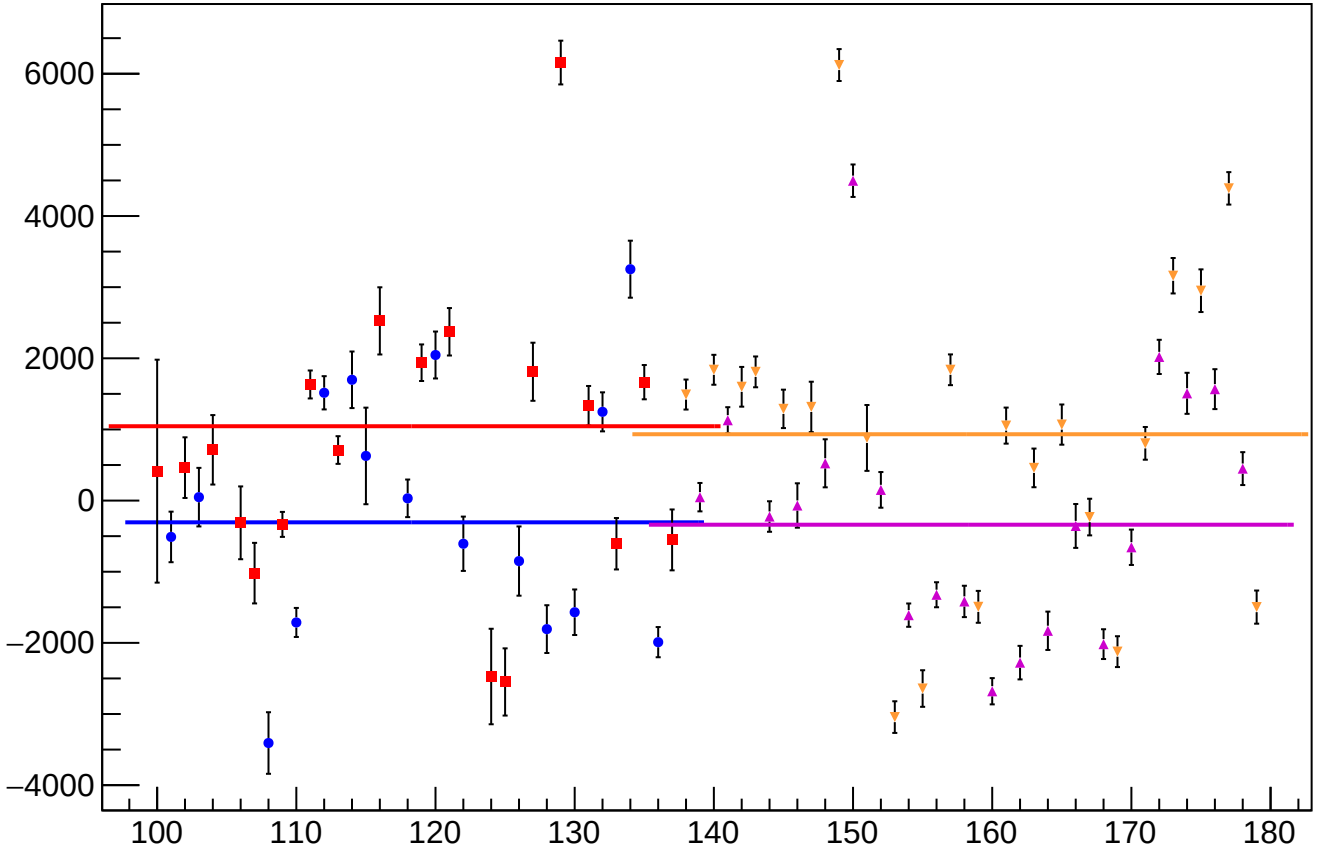
Left In: 200.149+/-0.036 χ^2/NDF:1040564.9/19

+ sign 211.327+/-0.031 χ^2/NDF: 1936493.5/37

All: 202.246+/-0.021 χ^2/NDF: 4668340.9/76

- sign 194.098+/-0.029 χ^2/NDF: 2570035.9/38

asym_bpm0l08WS_mean vs Slug



Right In: -305.649+/-77.868 χ^2/NDF: 451.8/15

Left Out: 932.656+/-52.423 χ^2/NDF:1919.7/21

Right Out: 1045.144+/-70.824 χ^2/NDF: 552.2/18

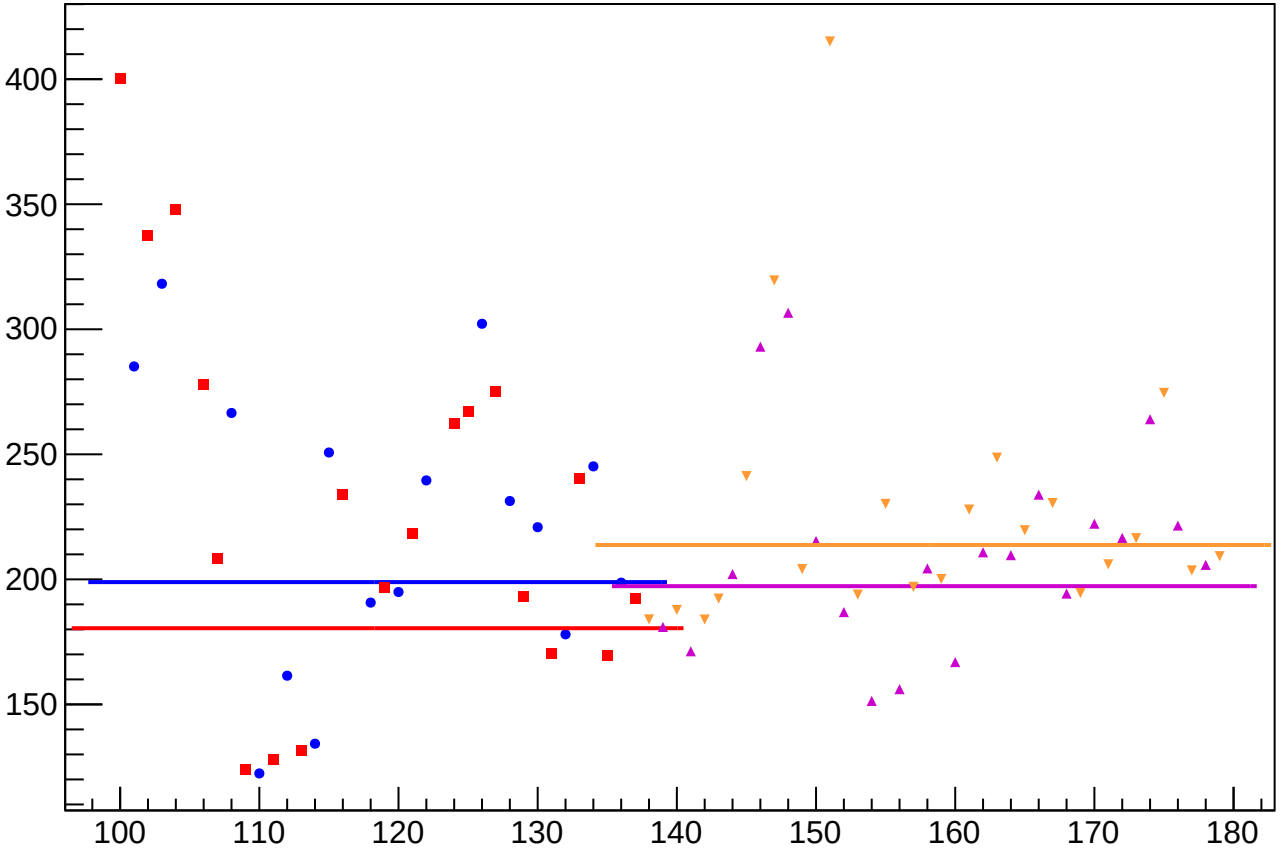
Left In: -339.122+/-50.491 χ^2/NDF:1164.0/19

+ sign 546.459+/-43.486 χ^2/NDF: 2545.6/37

All: 325.150+/-29.875 χ^2/NDF: 4564.1/76

- sign 127.341+/-41.113 χ^2/NDF: 1969.5/38

asym_bpm0l08WS_rms vs Slug



Right In: 198.903+/-0.055 χ^2/NDF: 912765.0/15

Left Out: 213.753+/-0.037 χ^2/NDF:891082.3/21

Right Out: 180.473+/-0.050 χ^2/NDF: 1434435.8/18

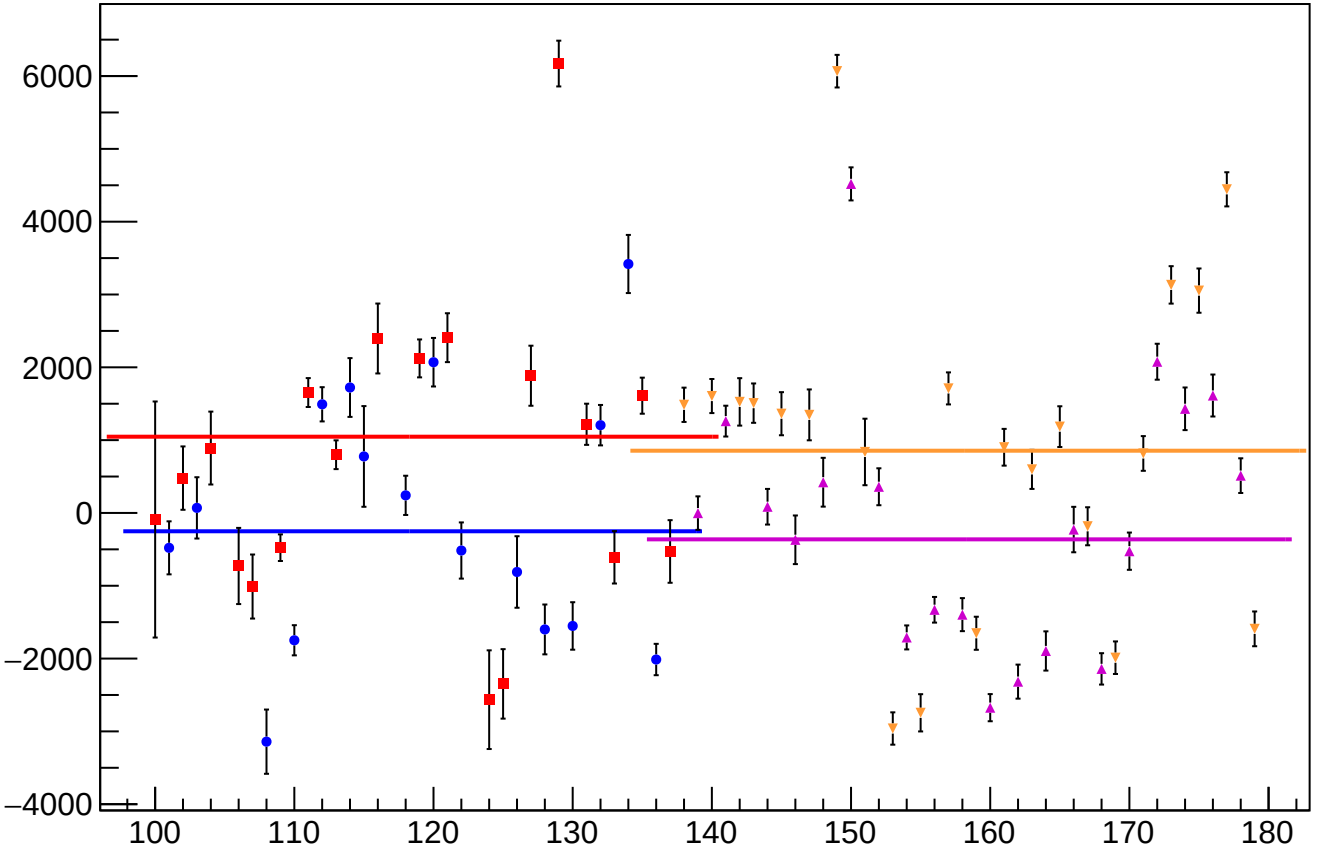
Left In: 197.284+/-0.036 χ^2/NDF:988650.2/19

+ sign 209.121+/-0.031 χ^2/NDF: 1853900.1/37

All: 199.880+/-0.021 χ^2/NDF: 4522769.5/76

- sign 191.619+/-0.029 χ^2/NDF: 2497804.2/38

asym_bpm0l09WS_mean vs Slug



Right In: -251.795+/-78.974 χ^2/NDF: 441.2/15

Left Out: 854.679+/-54.581 χ^2/NDF:1854.7/21

Right Out: 1047.132+/-72.190 χ^2/NDF: 546.7/18

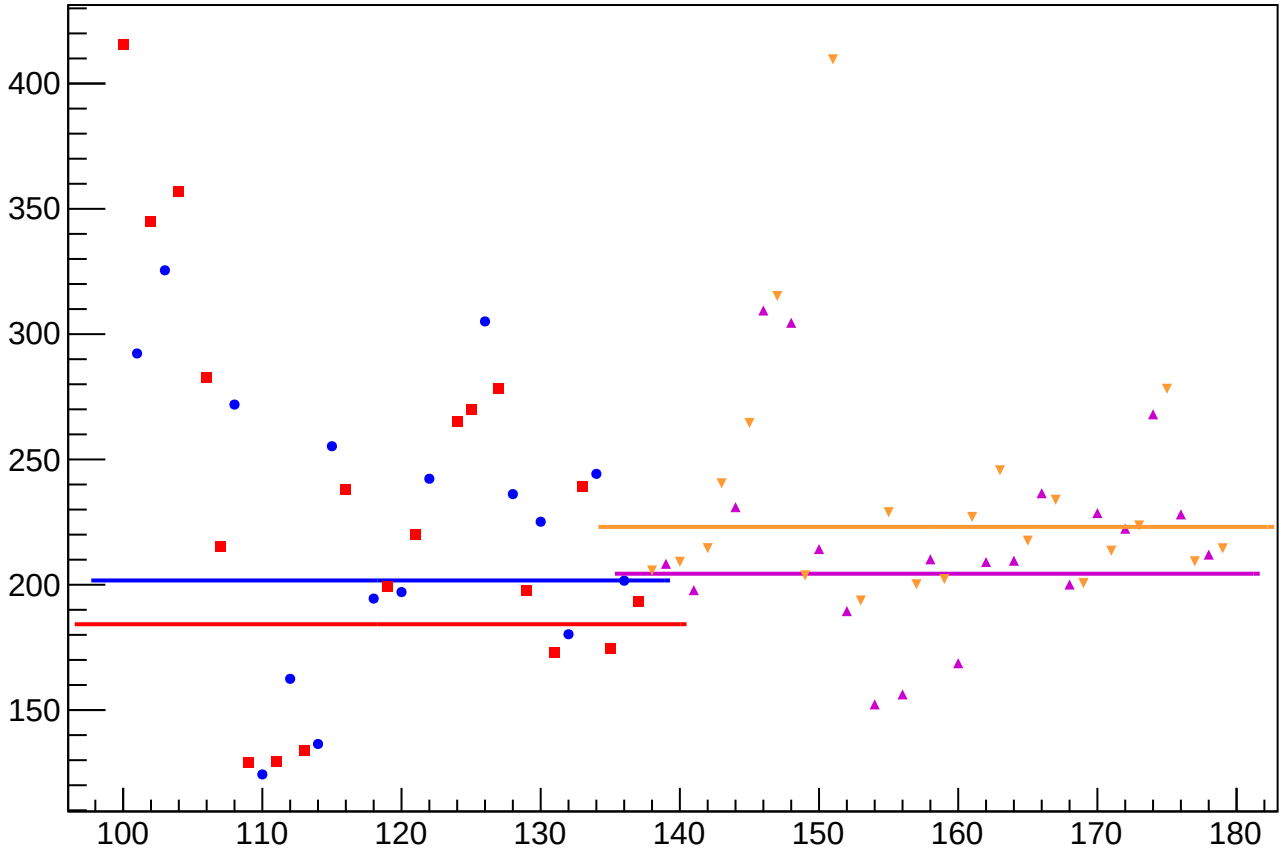
Left In: -362.706+/-52.352 χ^2/NDF:1178.5/19

+ sign 497.006+/-44.901 χ^2/NDF: 2428.8/37

All: 299.315+/-30.820 χ^2/NDF: 4440.7/76

- sign 123.197+/-42.381 χ^2/NDF: 1975.2/38

asym_bpm0l09WS_rms vs Slug



Right In: 201.714+/-0.056 χ^2/NDF: 924210.1/15

Left Out: 223.078+/-0.039 χ^2/NDF:746640.0/21

Right Out: 184.244+/-0.051 χ^2/NDF: 1403761.8/18

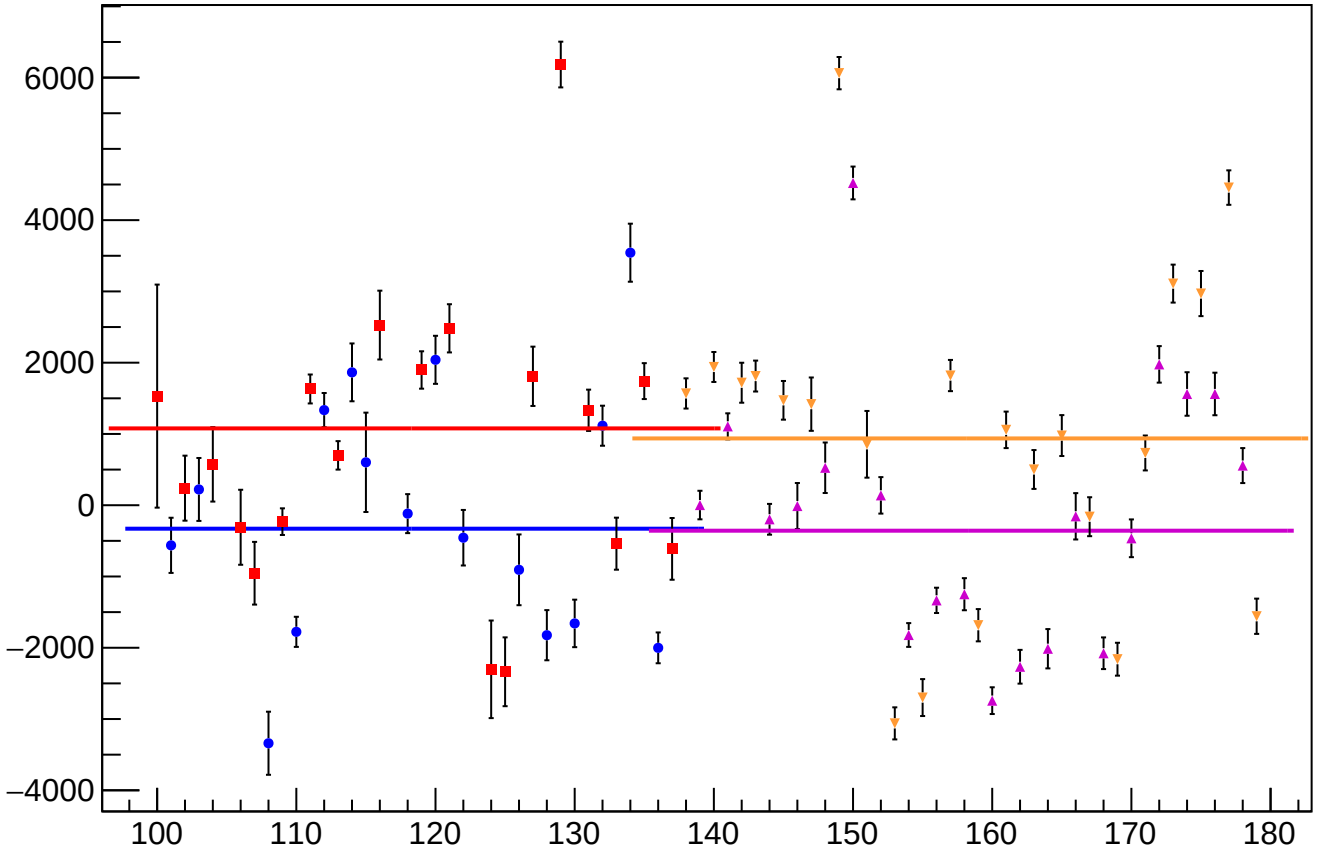
Left In: 204.403+/-0.037 χ^2/NDF:999260.2/19

+ sign 216.172+/-0.032 χ^2/NDF: 1769903.2/37

All: 206.274+/-0.022 χ^2/NDF: 4458918.3/76

- sign 197.455+/-0.030 χ^2/NDF: 2505236.7/38

asym_bpm0l10WS_mean vs Slug



Right In: -329.377+/-80.367 χ^2/NDF: 436.4/15

Left Out: 937.214+/-53.778 χ^2/NDF:1856.8/21

Right Out: 1077.876+/-73.404 χ^2/NDF: 502.0/18

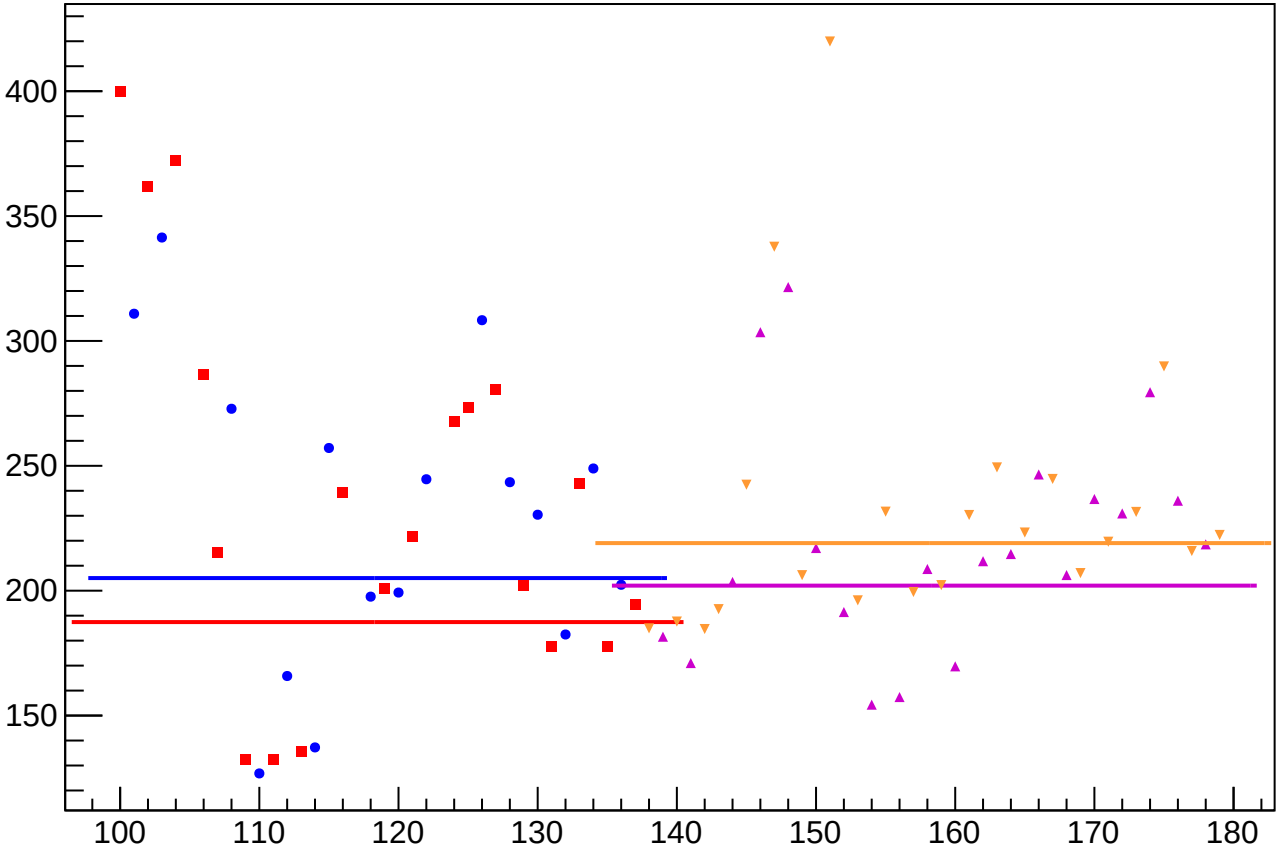
Left In: -357.493+/-51.812 χ^2/NDF:1152.4/19

+ sign 545.479+/-44.695 χ^2/NDF: 2464.7/37

All: 321.087+/-30.734 χ^2/NDF: 4422.2/76

- sign 119.819+/-42.329 χ^2/NDF: 1909.6/38

asym_bpm0l10WS_rms vs Slug



Right In: 205.053+/-0.057 χ^2/NDF: 963052.0/15

Left Out: 219.055+/-0.038 χ^2/NDF:956451.9/21

Right Out: 187.431+/-0.052 χ^2/NDF: 1410802.2/18

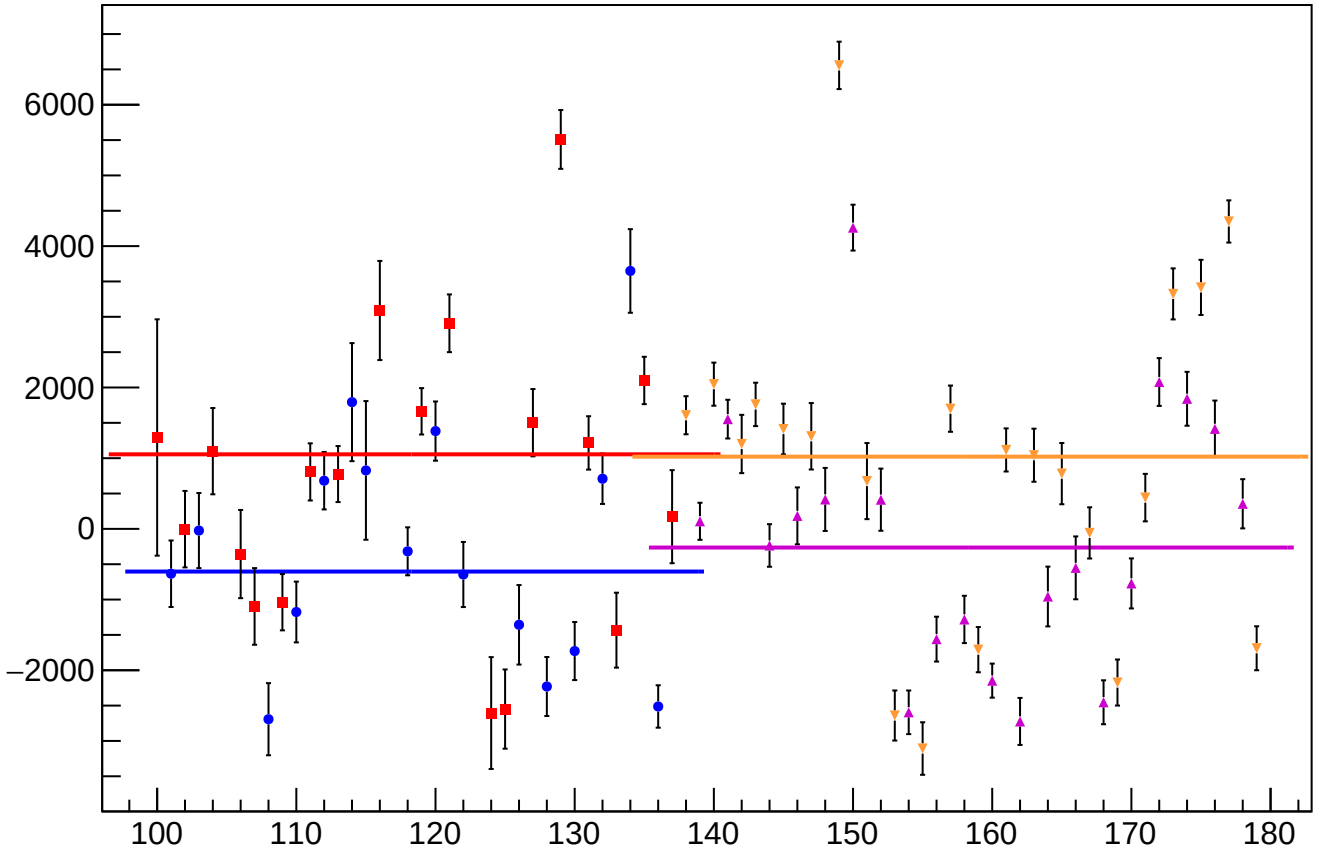
Left In: 202.025+/-0.037 χ^2/NDF:1135508.3/19

+ sign 214.724+/-0.032 χ^2/NDF: 1961437.1/37

All: 205.471+/-0.022 χ^2/NDF: 4723116.5/76

- sign 197.172+/-0.030 χ^2/NDF: 2599074.8/38

asym_bpm0r03WS_mean vs Slug



Right In: -603.855+/-110.693 χ^2/NDF: 193.5/15

Left Out: 1021.585+/-73.543 χ^2/NDF:990.7/21

Right Out: 1054.556+/-108.264 χ^2/NDF: 297.7/18

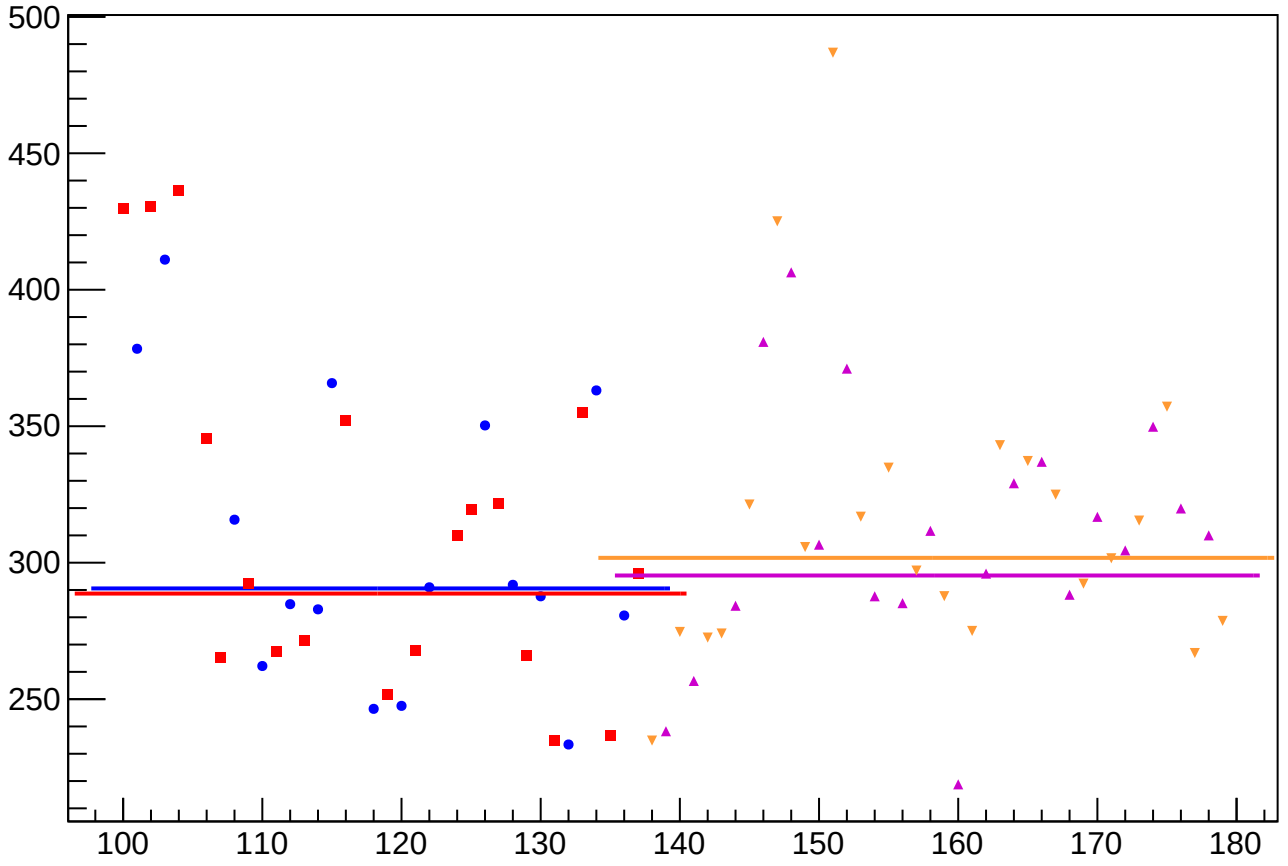
Left In: -264.164+/-74.631 χ^2/NDF:599.2/19

\+ sign 523.819+/-61.256 χ^2/NDF: 1333.9/37

All: 342.785+/-43.381 χ^2/NDF: 2348.8/76

\- sign 160.625+/-61.446 χ^2/NDF: 997.5/38

asym_bpm0r03WS_rms vs Slug



Right In: 290.566+/-0.078 χ^2/NDF: 359807.1/15

Left Out: 301.774+/-0.052 χ^2/NDF:714119.7/21

Right Out: 288.686+/-0.077 χ^2/NDF: 489094.8/18

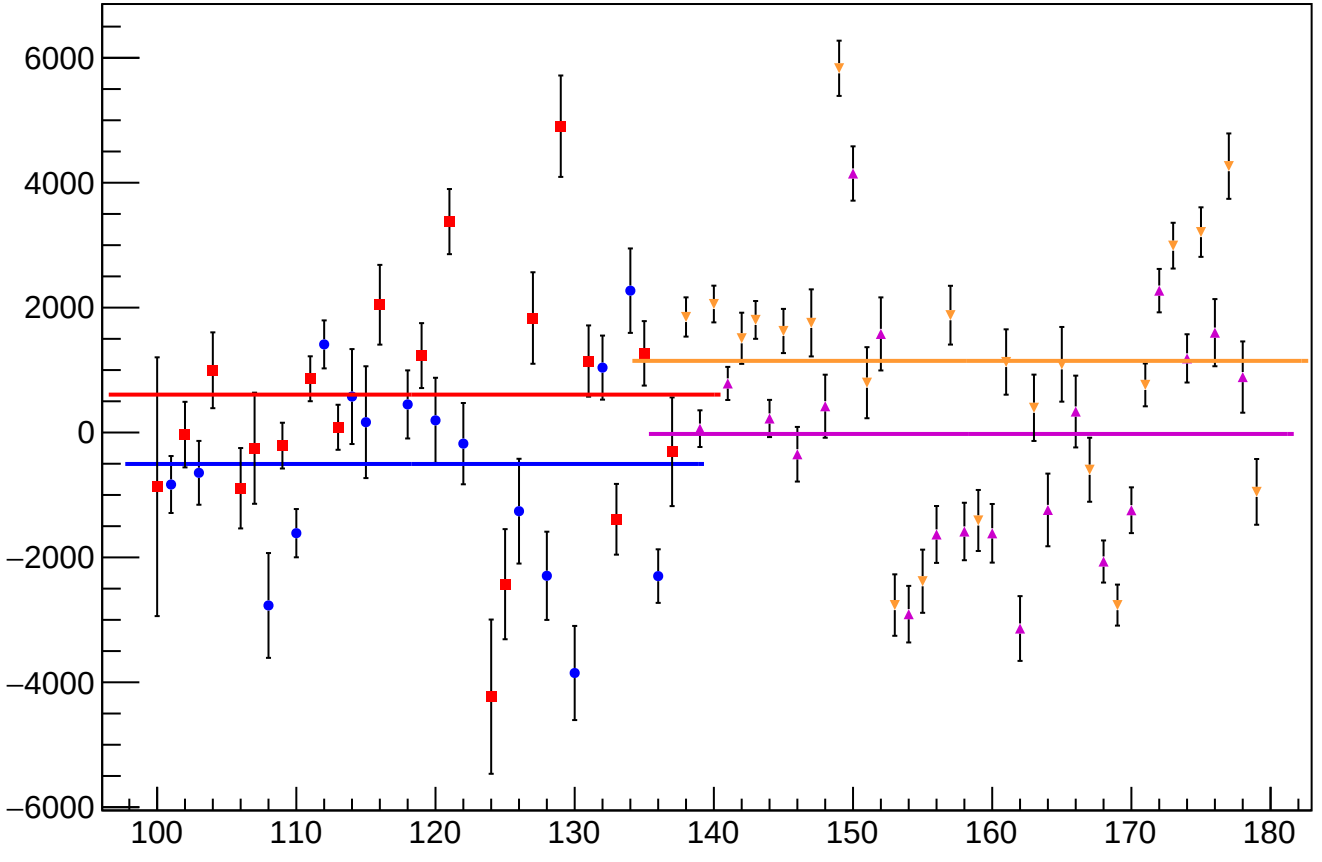
Left In: 295.308+/-0.053 χ^2/NDF:715511.1/19

+ sign 298.342+/-0.043 χ^2/NDF: 1088151.0/37

All: 295.766+/-0.031 χ^2/NDF: 2304921.5/76

- sign 293.175+/-0.043 χ^2/NDF: 1209678.8/38

asym_bpm0r05WS_mean vs Slug



Right In: -503.675+/-140.058 χ^2/NDF: 118.2/15

Left Out: 1147.237+/-88.536 χ^2/NDF:537.7/21

Right Out: 606.880+/-129.609 χ^2/NDF: 125.1/18

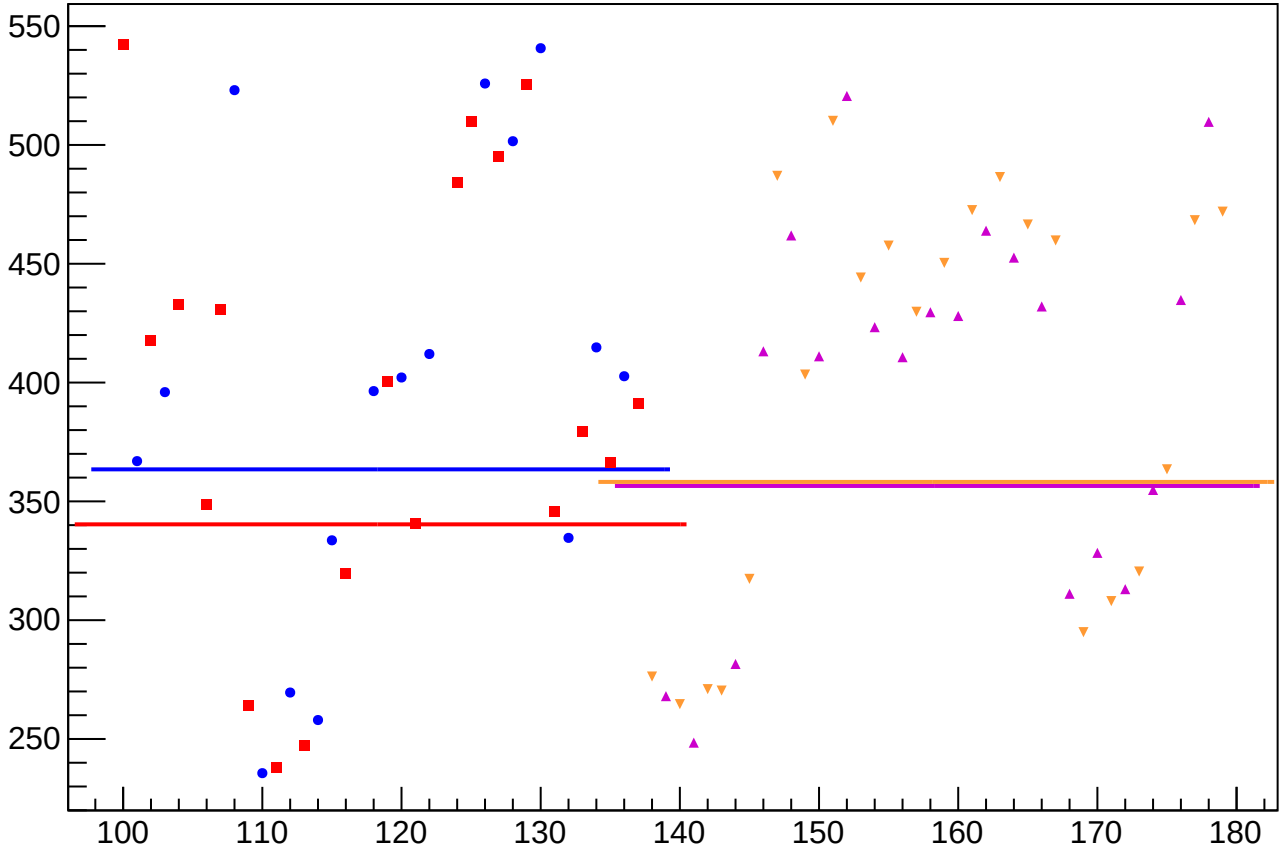
Left In: -23.048+/-90.970 χ^2/NDF:340.6/19

+ sign 675.886+/-74.837 χ^2/NDF: 755.2/37

All: 429.129+/-52.784 χ^2/NDF: 1258.5/76

- sign 184.857+/-74.460 χ^2/NDF: 481.6/38

asym_bpm0r05WS_rms vs Slug



Right In: 363.471+/-0.099 χ^2/NDF: 780893.2/15

Left Out: 358.188+/-0.063 χ^2/NDF:1834865.9/21

Right Out: 340.332+/-0.092 χ^2/NDF: 856230.3/18

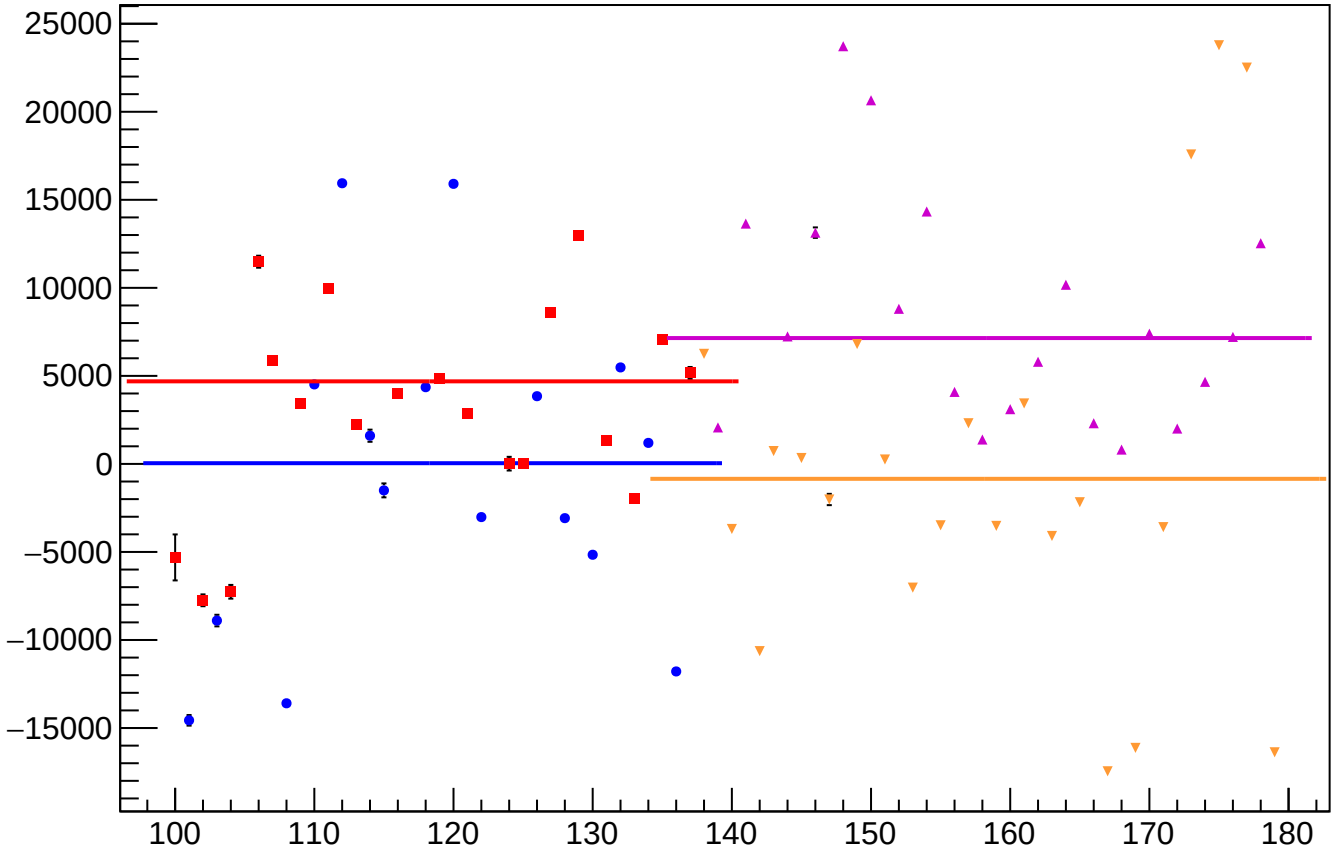
Left In: 356.488+/-0.064 χ^2/NDF:1559224.6/19

+ sign 359.697+/-0.053 χ^2/NDF: 2617792.0/37

All: 355.405+/-0.037 χ^2/NDF: 5067156.7/76

- sign 351.156+/-0.053 χ^2/NDF: 2436274.0/38

asym_bpm0i02WS_mean vs Slug



Right In: 40.915+/-54.199 χ^2/NDF: 30786.3/15

Left Out: -846.860+/-42.227 χ^2/NDF:57576.4/21

Right Out: 4689.710+/-52.095 χ^2/NDF: 7795.7/18

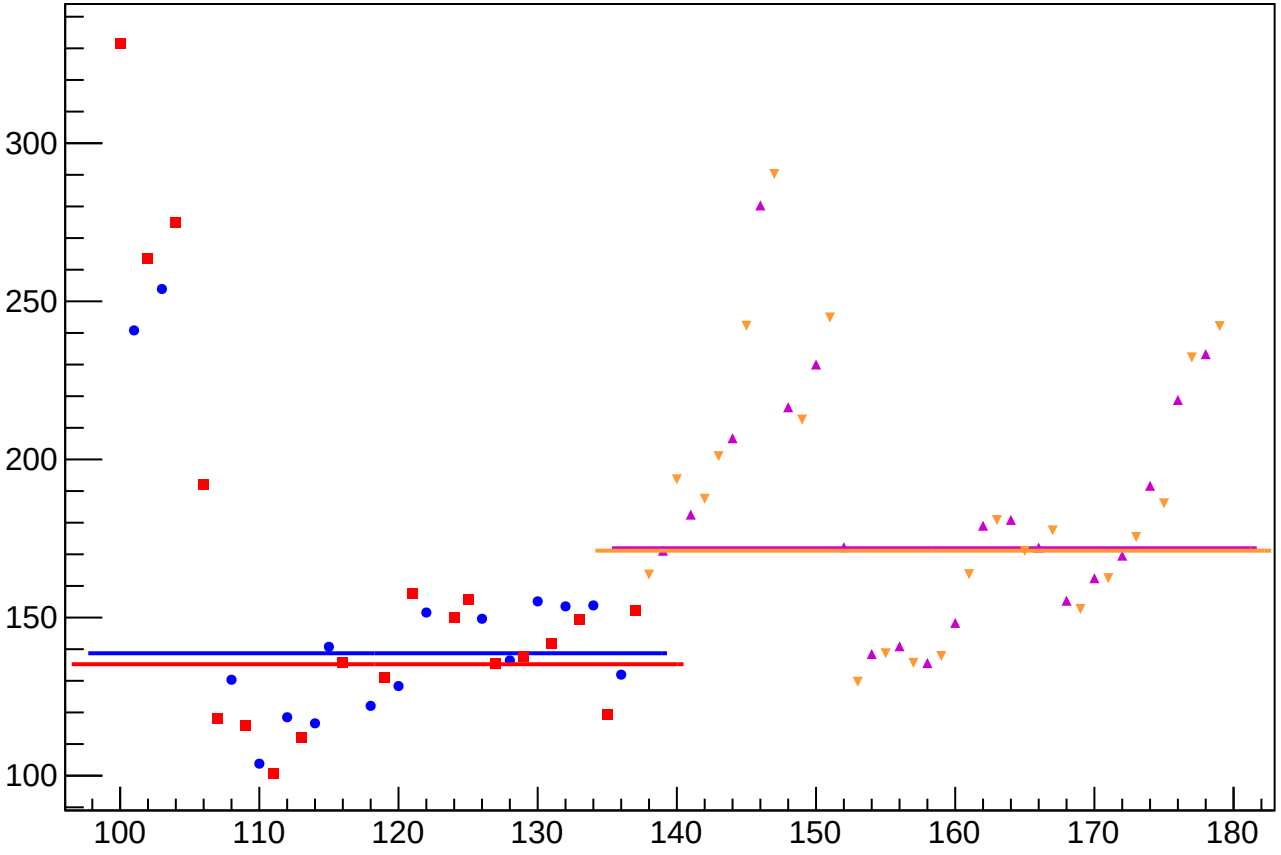
Left In: 7148.113+/-43.962 χ^2/NDF:18173.8/19

+ sign -511.519+/-33.310 χ^2/NDF: 88529.7/37

All: 2778.530+/-23.655 χ^2/NDF: 135479.6/76

- sign 6125.574+/-33.598 χ^2/NDF: 27270.2/38

asym_bpm0i02WS_rms vs Slug



Right In: 138.712+/-0.038 χ^2/NDF: 657791.3/15

Left Out: 171.151+/-0.030 χ^2/NDF:1442199.1/21

Right Out: 135.245+/-0.037 χ^2/NDF: 890024.8/18

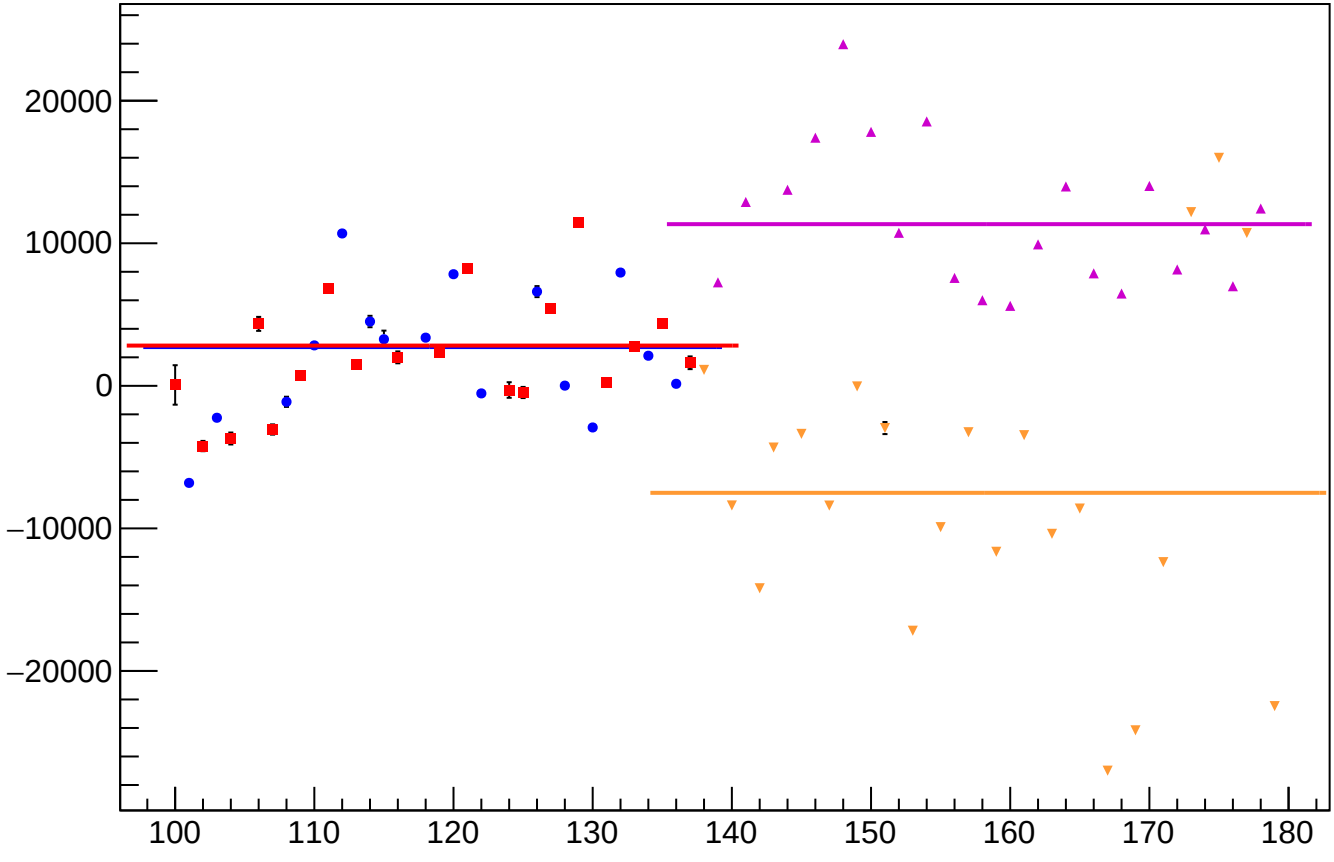
Left In: 171.902+/-0.031 χ^2/NDF:1064963.4/19

+ sign 158.898+/-0.024 χ^2/NDF: 2545812.9/37

All: 157.786+/-0.017 χ^2/NDF: 5083667.4/76

- sign 156.655+/-0.024 χ^2/NDF: 2533361.1/38

asym_bpm0i02aWS_mean vs Slug



Right In: 2719.896+/-69.247 χ^2/NDF: 4129.3/15

Left Out: -7505.069+/-48.470 χ^2/NDF:50251.5/21

Right Out: 2823.679+/-64.850 χ^2/NDF: 3062.8/18

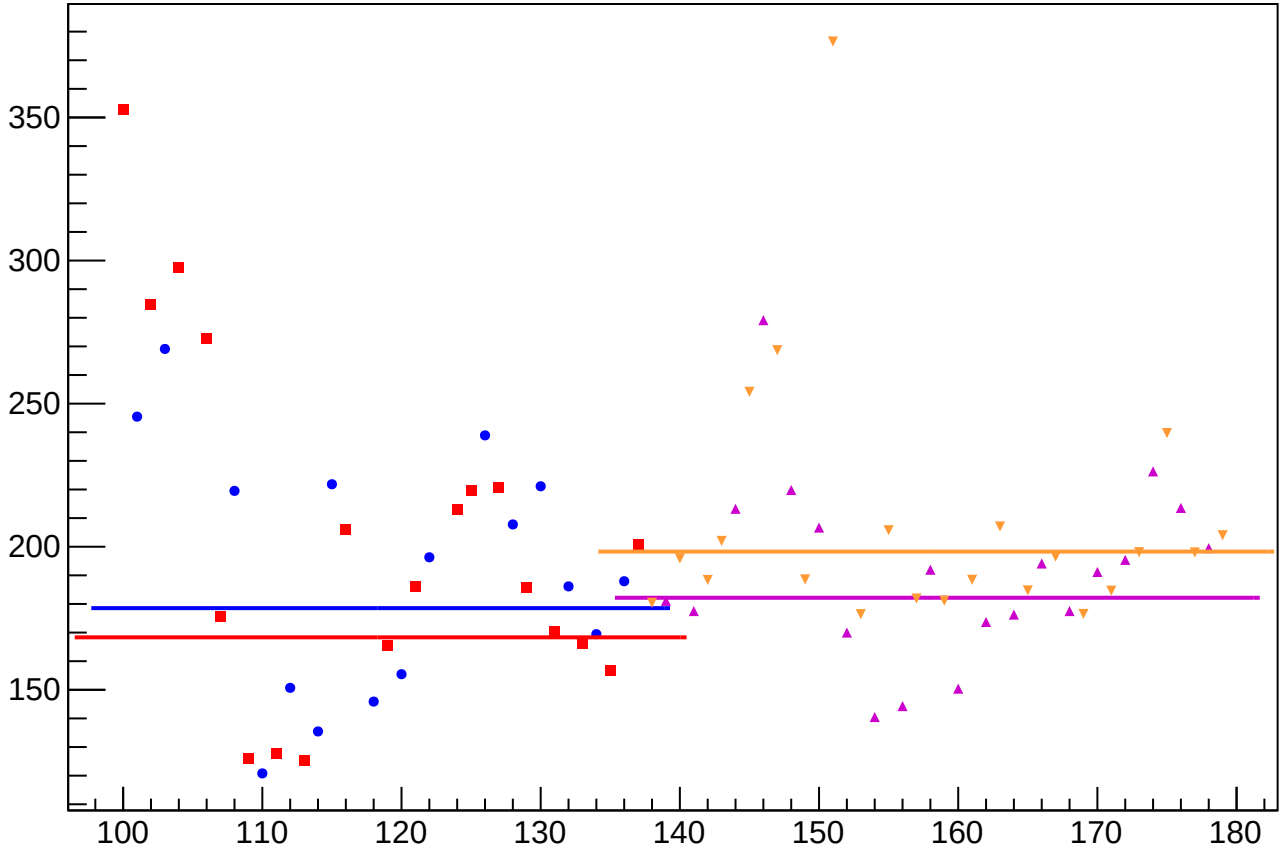
Left In: 11341.064+/-46.468 χ^2/NDF:10866.7/19

+ sign -4142.719+/-39.709 χ^2/NDF: 69014.4/37

All: 2469.055+/-27.368 χ^2/NDF: 147150.9/76

- sign 8451.522+/-37.772 χ^2/NDF: 25327.5/38

asym_bpm0i02aWS_rms vs Slug



Right In: 178.541+/-0.049 χ^2/NDF: 674566.0/15

Left Out: 198.300+/-0.034 χ^2/NDF:718205.4/21

Right Out: 168.335+/-0.046 χ^2/NDF: 979485.9/18

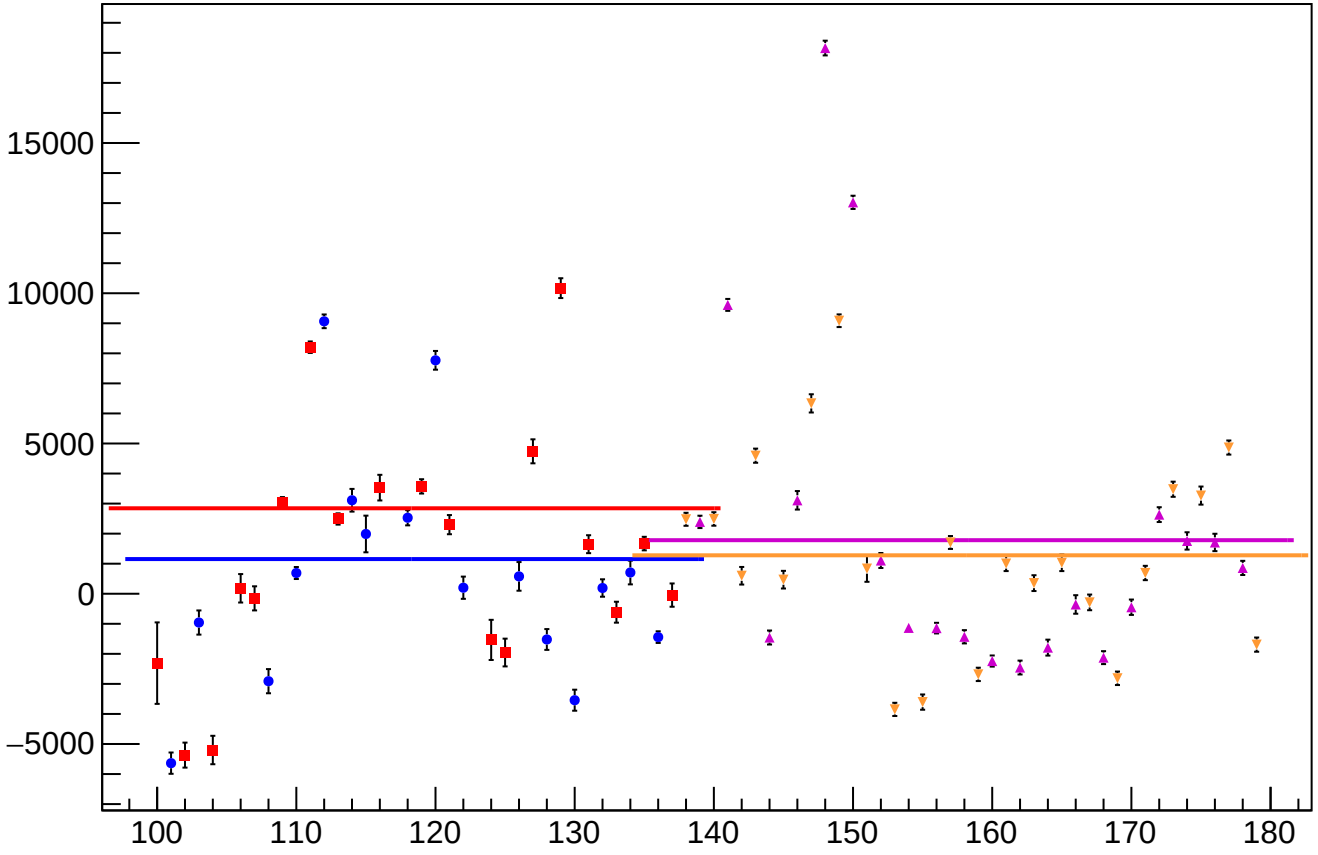
Left In: 182.169+/-0.033 χ^2/NDF:793023.9/19

+ sign 191.803+/-0.028 χ^2/NDF: 1502065.4/37

All: 184.281+/-0.019 χ^2/NDF: 3471392.4/76

- sign 177.476+/-0.027 χ^2/NDF: 1832653.6/38

asym_bpm0i05WS_mean vs Slug



Right In: 1153.823+/-75.957 χ^2/NDF: 2655.3/15

Left Out: 1279.102+/-52.896 χ^2/NDF:4053.4/21

Right Out: 2843.895+/-69.139 χ^2/NDF: 2453.1/18

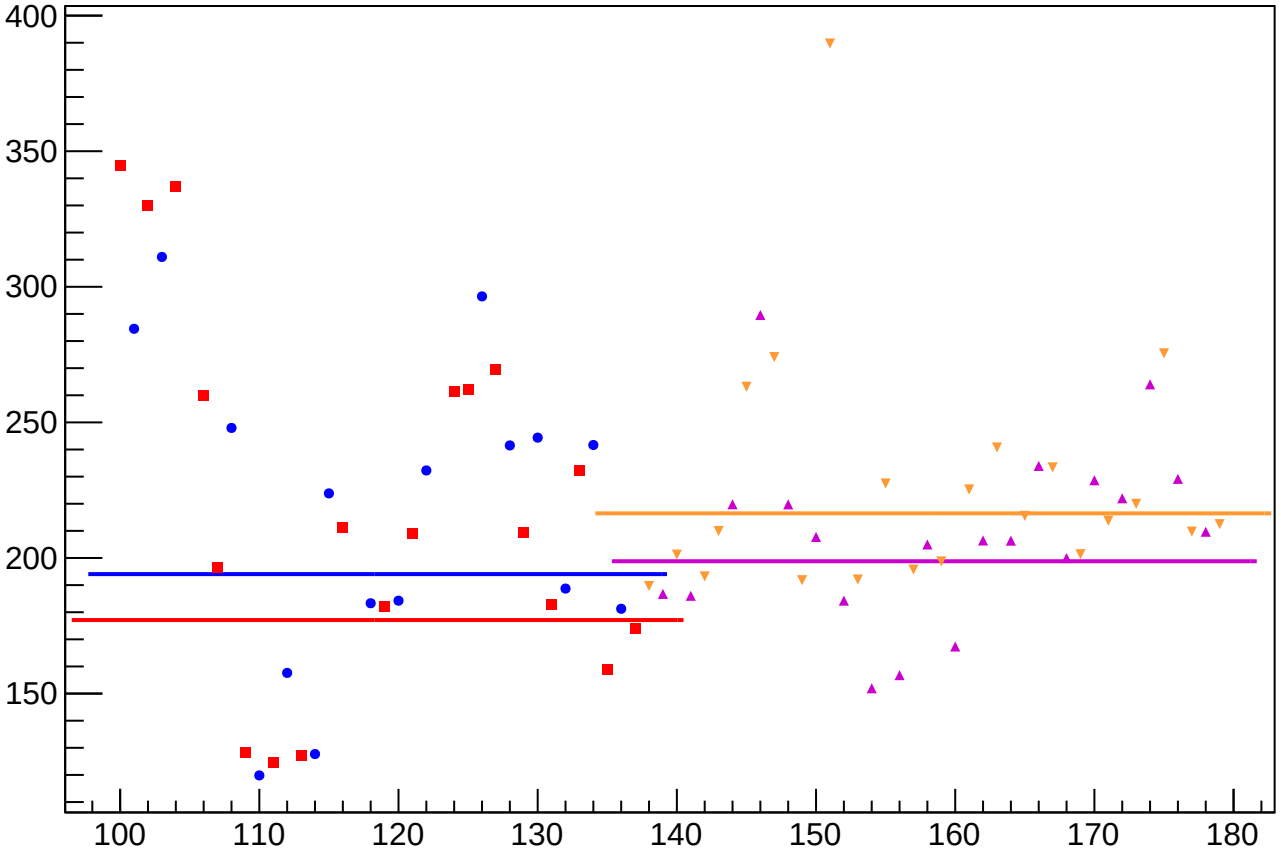
Left In: 1782.231+/-50.723 χ^2/NDF:11109.4/19

+ sign 1238.188+/-43.407 χ^2/NDF: 6710.6/37

All: 1723.182+/-29.767 χ^2/NDF: 20662.1/76

- sign 2153.706+/-40.897 χ^2/NDF: 13715.8/38

asym_bpm0i05WS_rms vs Slug



Right In: 194.053+/-0.054 χ^2/NDF: 965786.1/15

Left Out: 216.457+/-0.037 χ^2/NDF:691287.4/21

Right Out: 177.115+/-0.049 χ^2/NDF: 1359345.8/18

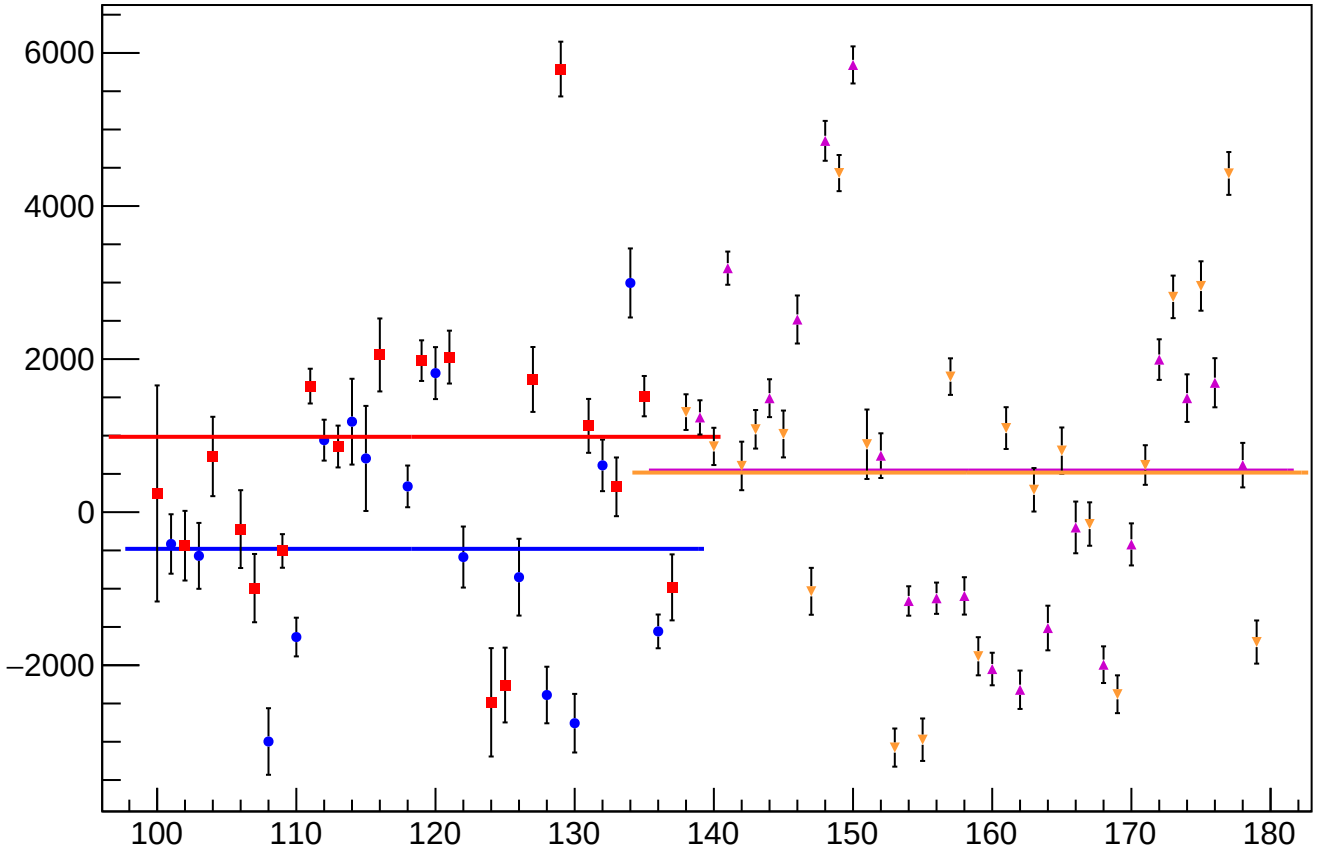
Left In: 198.799+/-0.036 χ^2/NDF:767631.5/19

+ sign 209.140+/-0.031 χ^2/NDF: 1774249.5/37

All: 199.643+/-0.021 χ^2/NDF: 4209859.1/76

- sign 191.212+/-0.029 χ^2/NDF: 2254872.4/38

asym_bpm0i07WS_mean vs Slug



Right In: -479.302+/-86.685 χ^2/NDF: 305.4/15

Left Out: 517.351+/-58.102 χ^2/NDF:1340.0/21

Right Out: 984.498+/-80.945 χ^2/NDF: 398.1/18

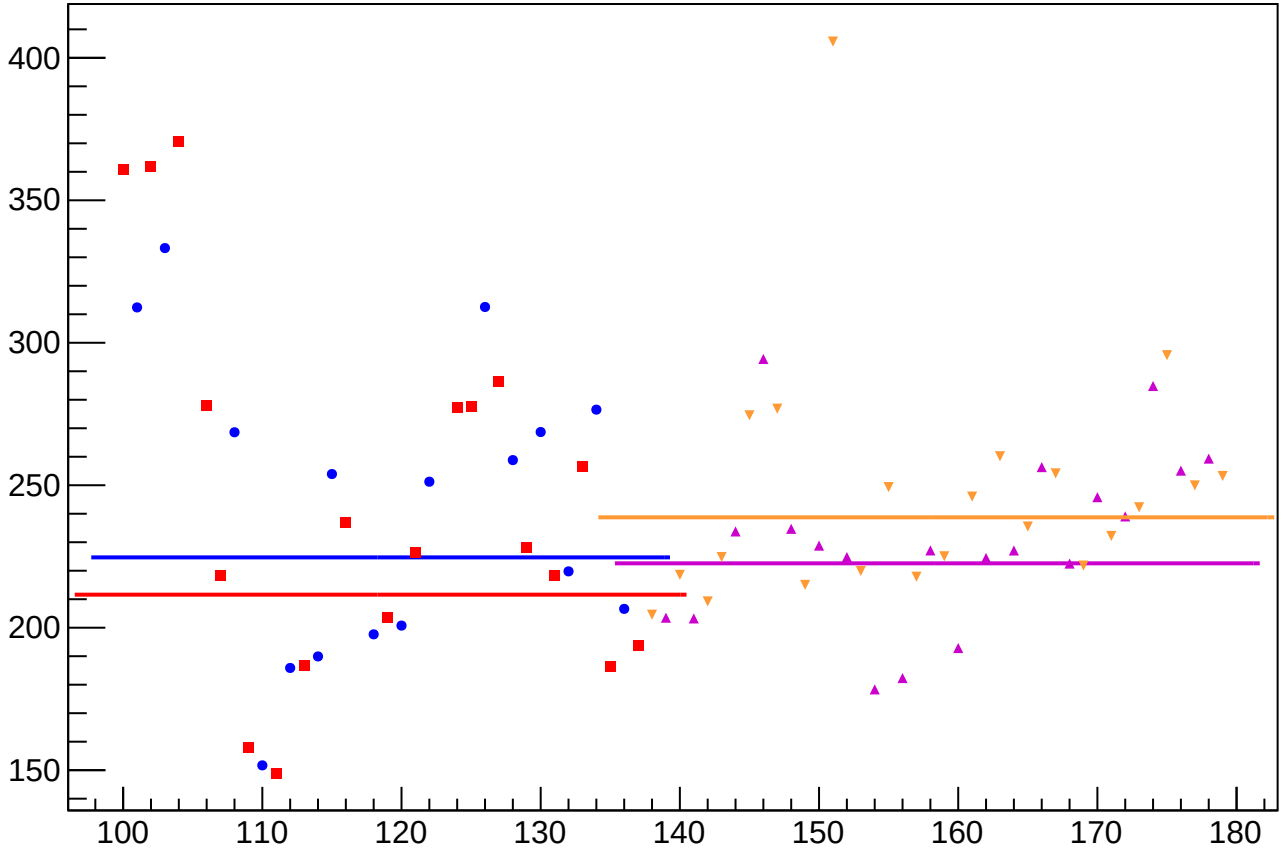
Left In: 543.714+/-56.411 χ^2/NDF:1665.1/19

+ sign 208.400+/-48.263 χ^2/NDF: 1736.6/37

All: 458.152+/-33.404 χ^2/NDF: 3871.2/76

- sign 687.808+/-46.281 χ^2/NDF: 2083.2/38

asym_bpm0i07WS_rms vs Slug



Right In: 224.683+/-0.061 χ^2/NDF: 653193.4/15

Left Out: 238.741+/-0.041 χ^2/NDF:565629.4/21

Right Out: 211.595+/-0.057 χ^2/NDF: 932902.5/18

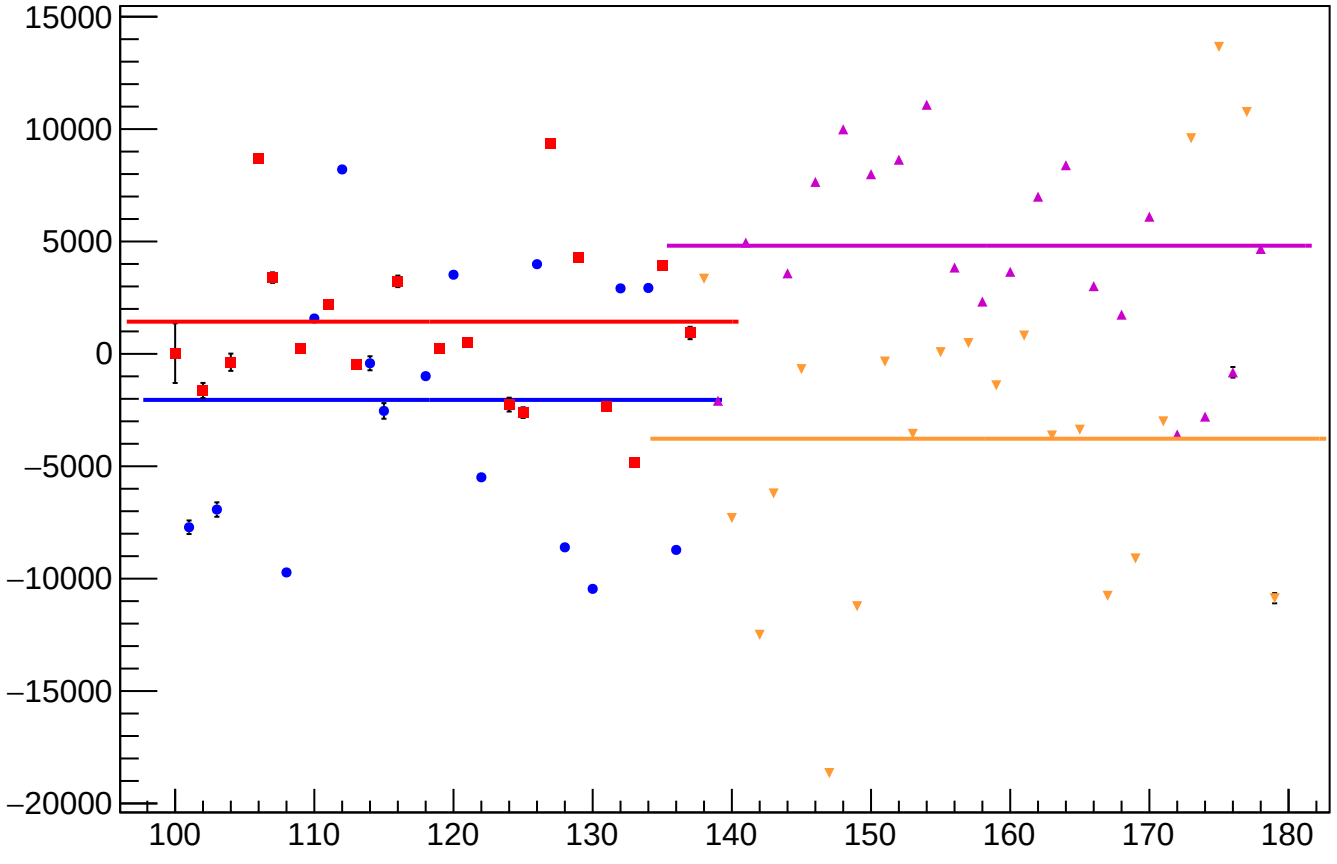
Left In: 222.594+/-0.040 χ^2/NDF:543257.1/19

+ sign 234.383+/-0.034 χ^2/NDF: 1255121.0/37

All: 226.368+/-0.024 χ^2/NDF: 2862011.1/76

- sign 218.998+/-0.033 χ^2/NDF: 1501015.9/38

asym_bpm1i02WS_mean vs Slug



Right In: -2047.267+/-46.722 χ^2/NDF: 16709.1/15

Left Out: -3773.721+/-31.583 χ^2/NDF:52608.2/21

Right Out: 1432.909+/-44.729 χ^2/NDF: 6387.8/18

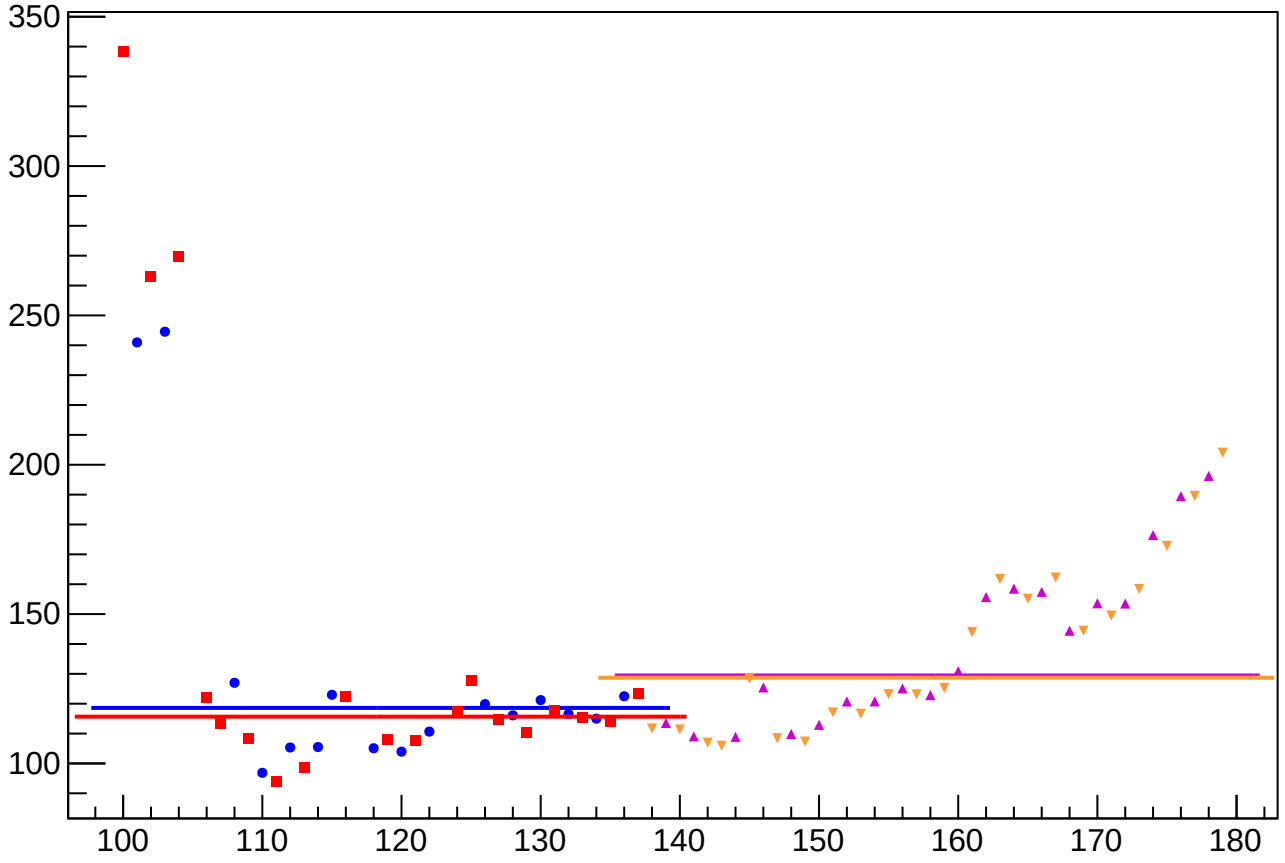
Left In: 4812.873+/-32.787 χ^2/NDF:15228.2/19

+ sign -3232.242+/-26.166 χ^2/NDF: 70254.5/37

All: 163.353+/-18.600 χ^2/NDF: 129626.5/76

- sign 3631.512+/-26.444 χ^2/NDF: 25330.3/38

asym_bpm1i02WS_rms vs Slug



Right In: 118.596+/-0.033 χ^2/NDF: 734158.7/15

Left Out: 128.698+/-0.022 χ^2/NDF:1132841.8/21

Right Out: 115.660+/-0.032 χ^2/NDF: 864206.3/18

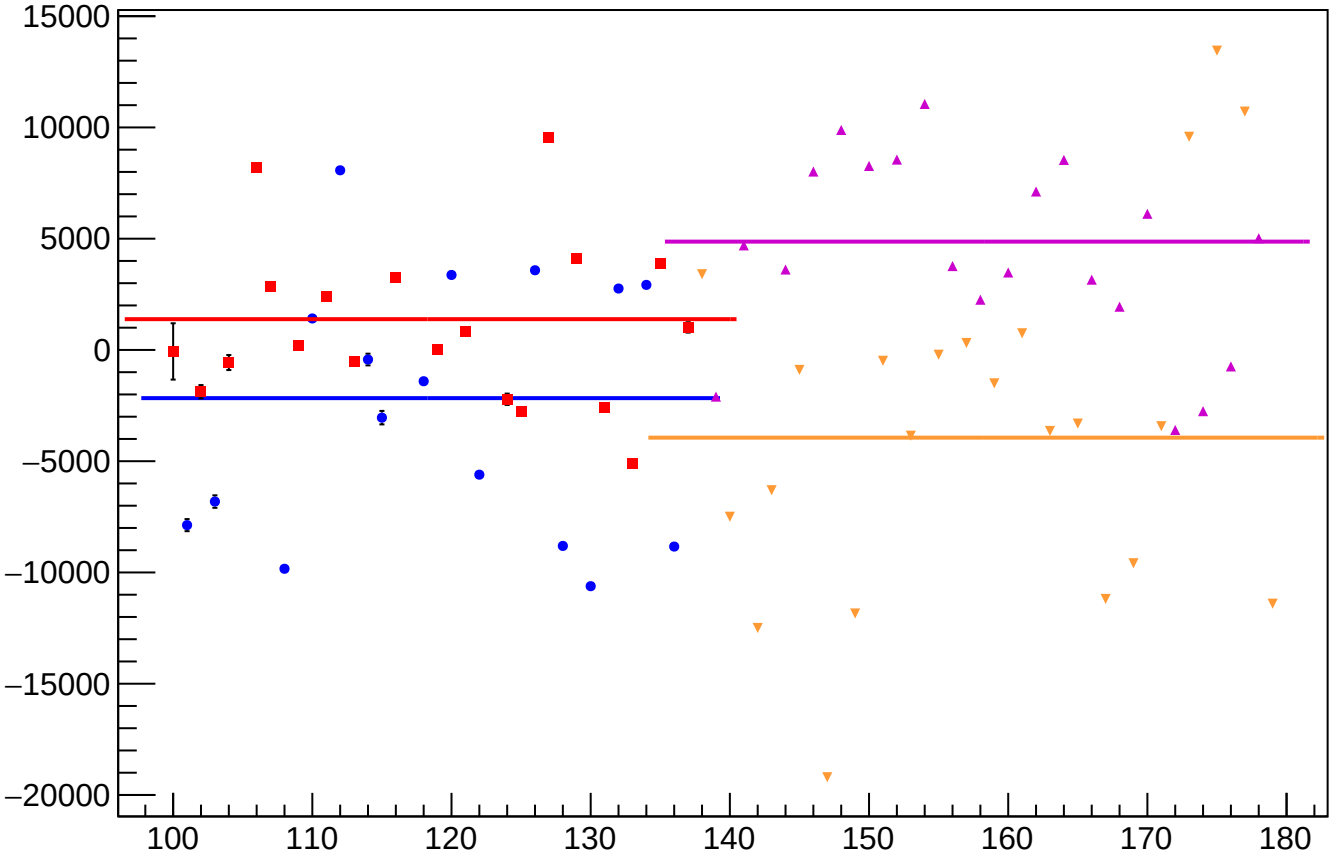
Left In: 129.447+/-0.023 χ^2/NDF:923521.6/19

+ sign 125.529+/-0.019 χ^2/NDF: 1931174.4/37

All: 125.084+/-0.013 χ^2/NDF: 3843693.8/76

- sign 124.628+/-0.019 χ^2/NDF: 1911345.9/38

asym_bpm1i04WS_mean vs Slug



Right In: -2165.877+/-39.632 χ^2/NDF: 22874.8/15

Left Out: -3941.565+/-28.617 χ^2/NDF:62081.6/21

Right Out: 1383.103+/-37.976 χ^2/NDF: 9148.6/18

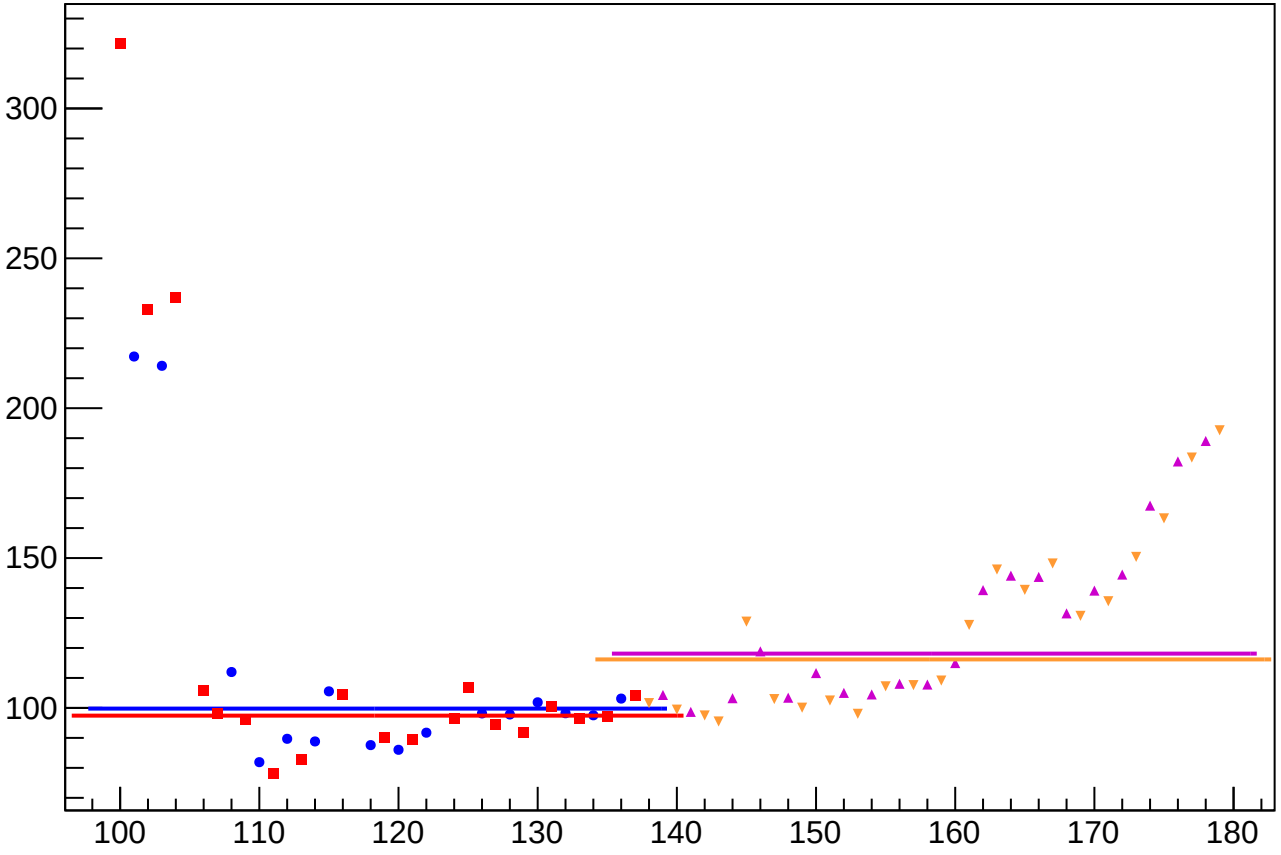
Left In: 4868.055+/-29.982 χ^2/NDF:18124.4/19

+ sign -3333.043+/-23.201 χ^2/NDF: 86275.9/37

All: 49.775+/-16.521 χ^2/NDF: 161867.8/76

- sign 3529.913+/-23.532 χ^2/NDF: 32460.8/38

asym_bpm1i04WS_rms vs Slug



Right In: 99.775+/-0.028 χ^2/NDF: 809152.9/15

Left Out: 116.184+/-0.020 χ^2/NDF:1309446.4/21

Right Out: 97.428+/-0.027 χ^2/NDF: 926047.7/18

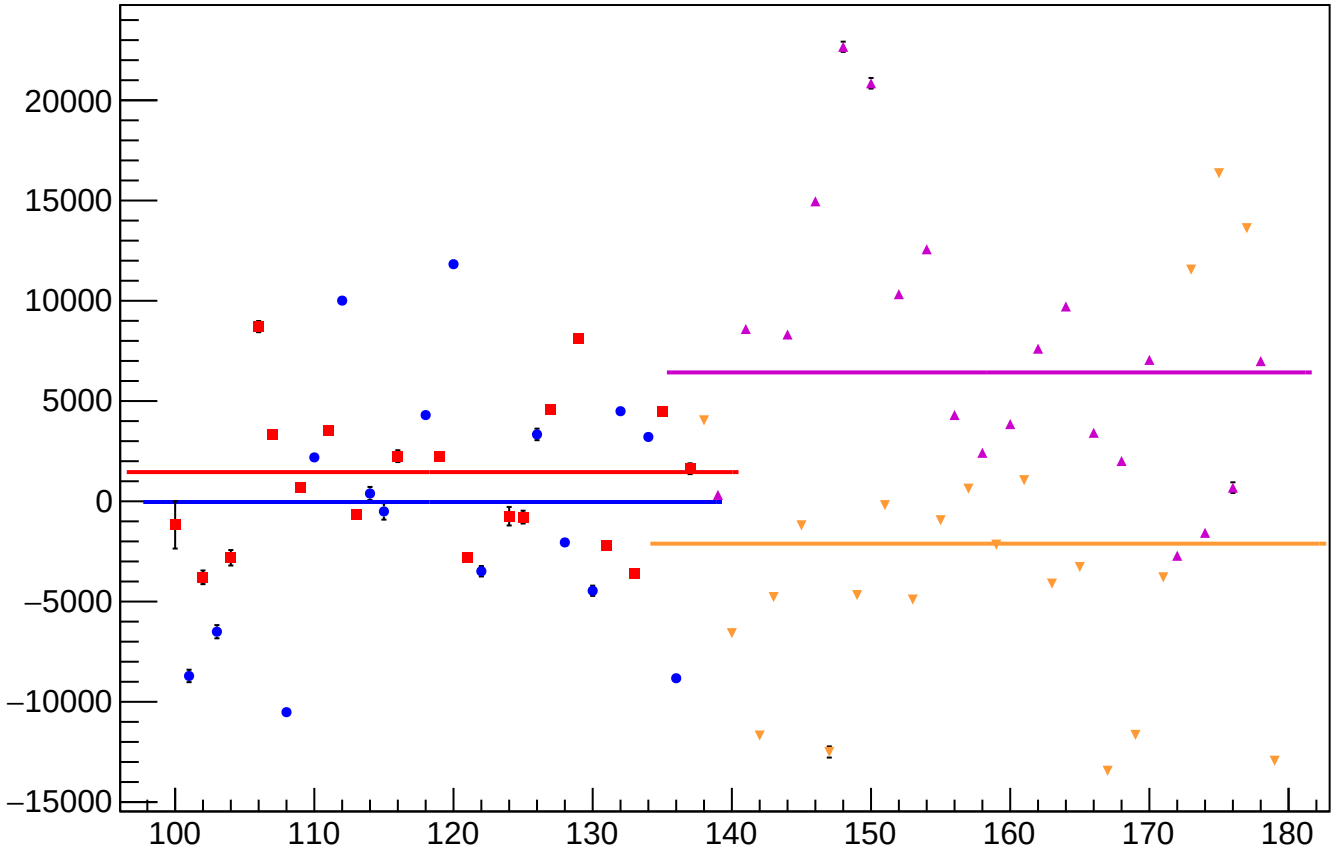
Left In: 118.120+/-0.021 χ^2/NDF:1006853.9/19

+ sign 110.560+/-0.016 χ^2/NDF: 2343961.0/37

All: 110.370+/-0.012 χ^2/NDF: 4642923.5/76

- sign 110.174+/-0.017 χ^2/NDF: 2298689.6/38

asym_bpm1i06WS_mean vs Slug



Right In: -34.667+/-53.465 χ^2/NDF: 16802.8/15

Left Out: -2112.083+/-39.445 χ^2/NDF:31230.4/21

Right Out: 1456.665+/-51.946 χ^2/NDF: 4117.0/18

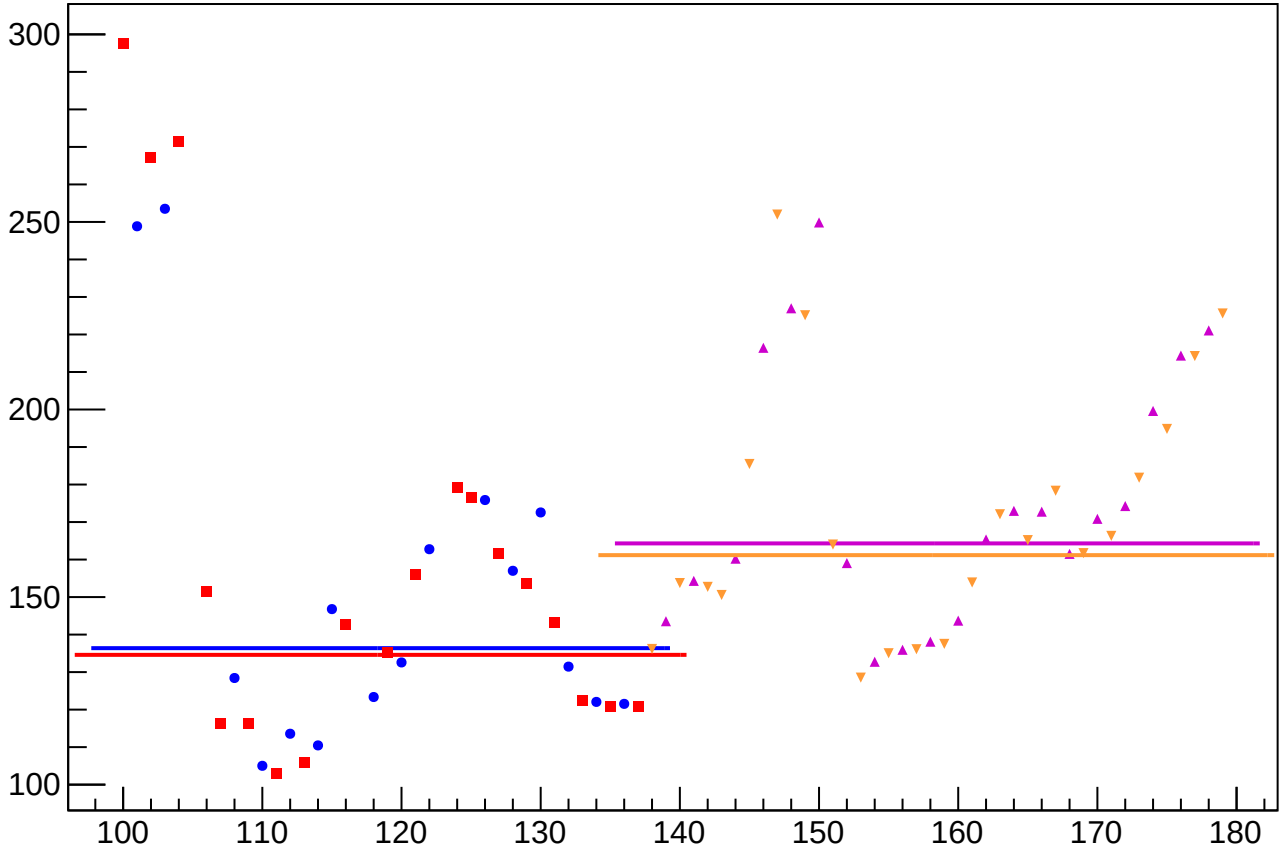
Left In: 6427.267+/-41.661 χ^2/NDF:18864.1/19

+ sign -1379.874+/-31.742 χ^2/NDF: 49010.8/37

All: 1481.690+/-22.708 χ^2/NDF: 94211.8/76

- sign 4481.599+/-32.500 χ^2/NDF: 28553.3/38

asym_bpm1i06WS_rms vs Slug



Right In: 136.383+/-0.038 χ^2/NDF: 796855.7/15

Left Out: 161.179+/-0.028 χ^2/NDF:1041140.5/21

Right Out: 134.598+/-0.037 χ^2/NDF: 919605.2/18

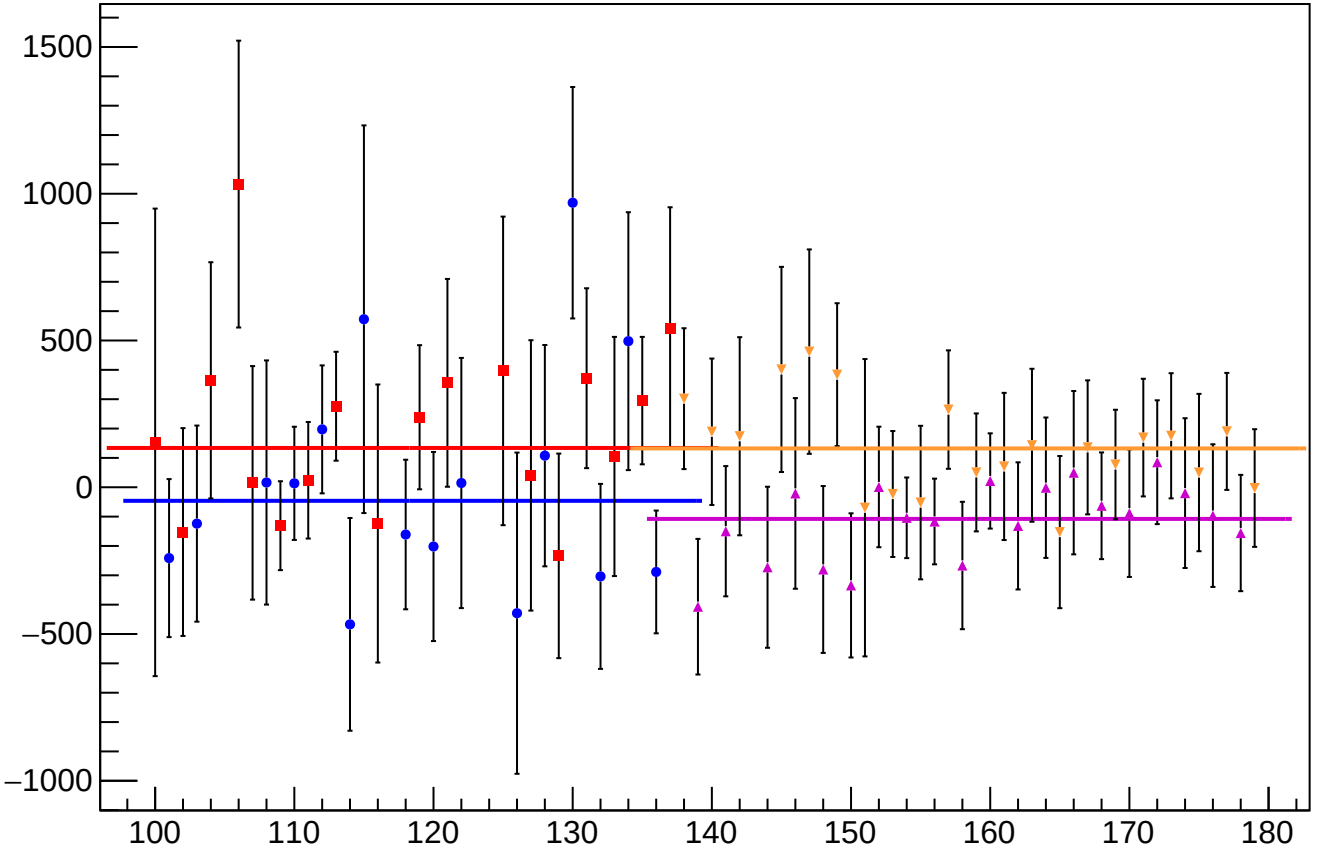
Left In: 164.307+/-0.029 χ^2/NDF:985233.0/19

+ sign 152.440+/-0.022 χ^2/NDF: 2116550.1/37

All: 152.556+/-0.016 χ^2/NDF: 4419562.8/76

- sign 152.678+/-0.023 χ^2/NDF: 2302957.5/38

asym_bcm_2an_us_an_ds_avg_mean vs Slug



Right In: -46.199+/-76.283 χ^2/NDF: 15.5/15

Left Out: 132.345+/-52.028 χ^2/NDF:7.0/20

Right Out: 133.913+/-68.414 χ^2/NDF: 12.8/17

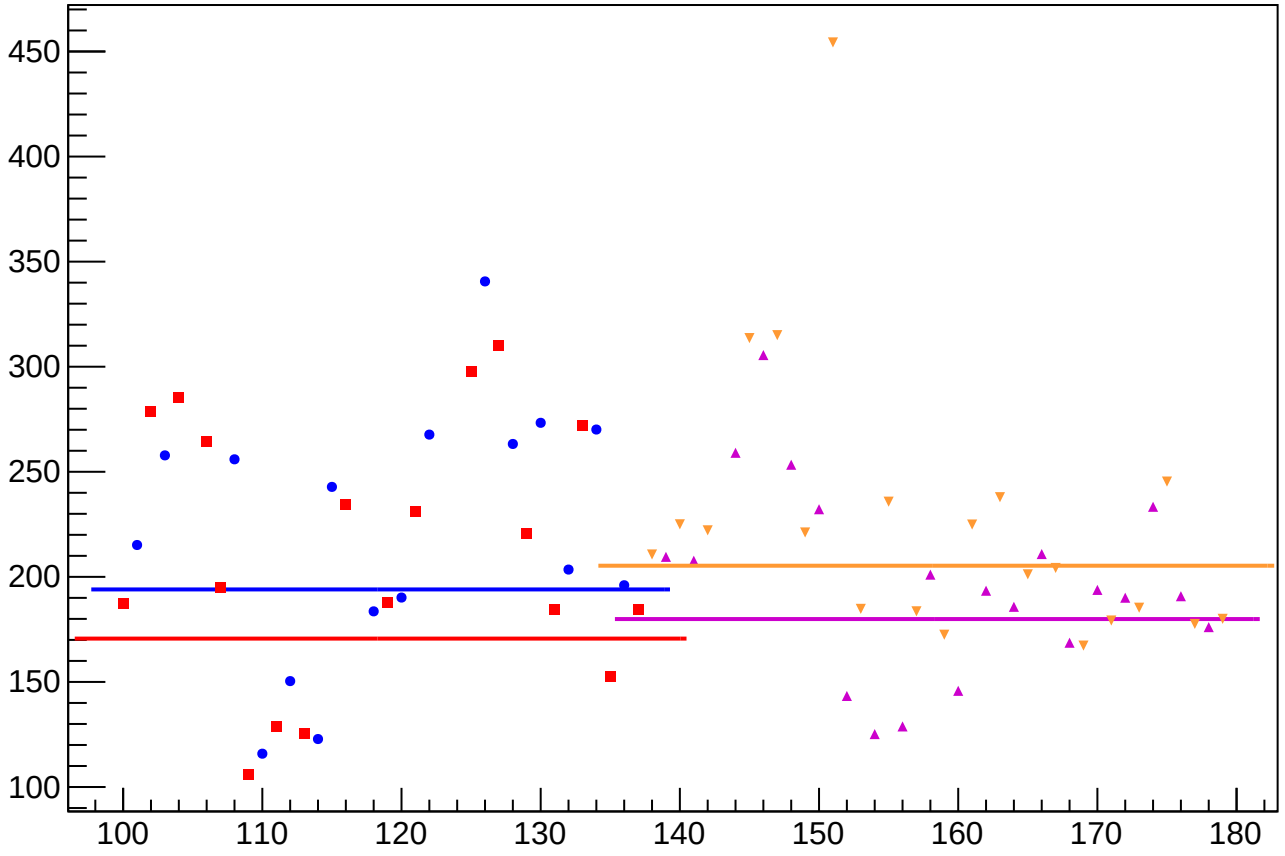
Left In: -107.826+/-46.773 χ^2/NDF:6.4/19

+ sign 75.660+/-42.982 χ^2/NDF: 26.2/36

All: 16.729+/-28.724 χ^2/NDF: 57.3/74

- sign -30.825+/-38.611 χ^2/NDF: 27.8/37

asym_bcm_2an_us_an_ds_avg_rms vs Slug



Right In: 194.017+/-0.054 χ^2/NDF: 1043588.7/15

Left Out: 205.303+/-0.037 χ^2/NDF:1316505.1/20

Right Out: 170.624+/-0.048 χ^2/NDF: 1593735.4/17

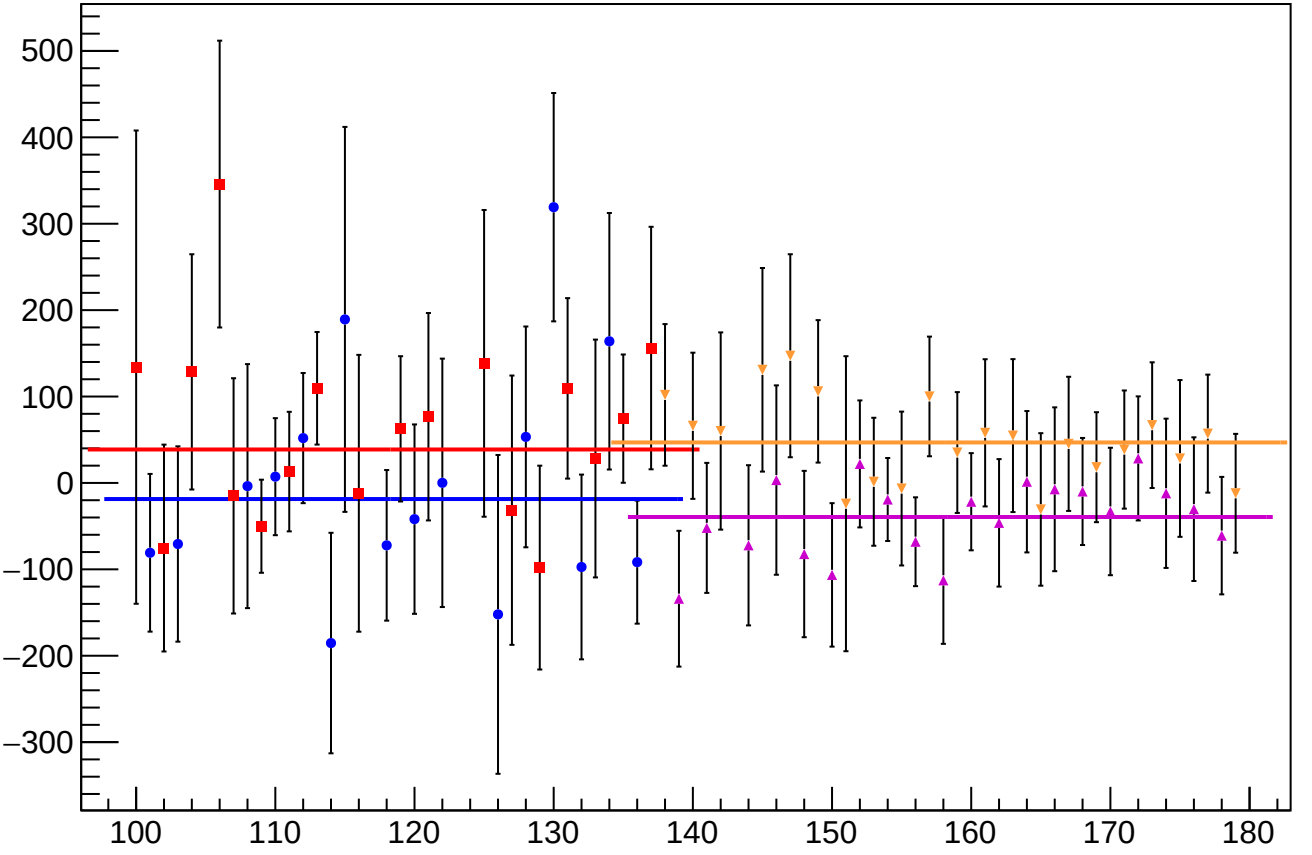
Left In: 179.922+/-0.033 χ^2/NDF:1634122.8/19

+ sign 201.720+/-0.030 χ^2/NDF: 2389976.0/36

All: 188.018+/-0.020 χ^2/NDF: 6010294.9/74

- sign 176.960+/-0.027 χ^2/NDF: 3253035.2/37

asym_bcm_2an_us_an_ds_dd_mean vs Slug



Right In: -18.645+/-26.122 χ^2/NDF: 15.2/15

Left Out: 46.851+/-17.762 χ^2/NDF:5.7/20

Right Out: 38.716+/-23.652 χ^2/NDF: 12.6/17

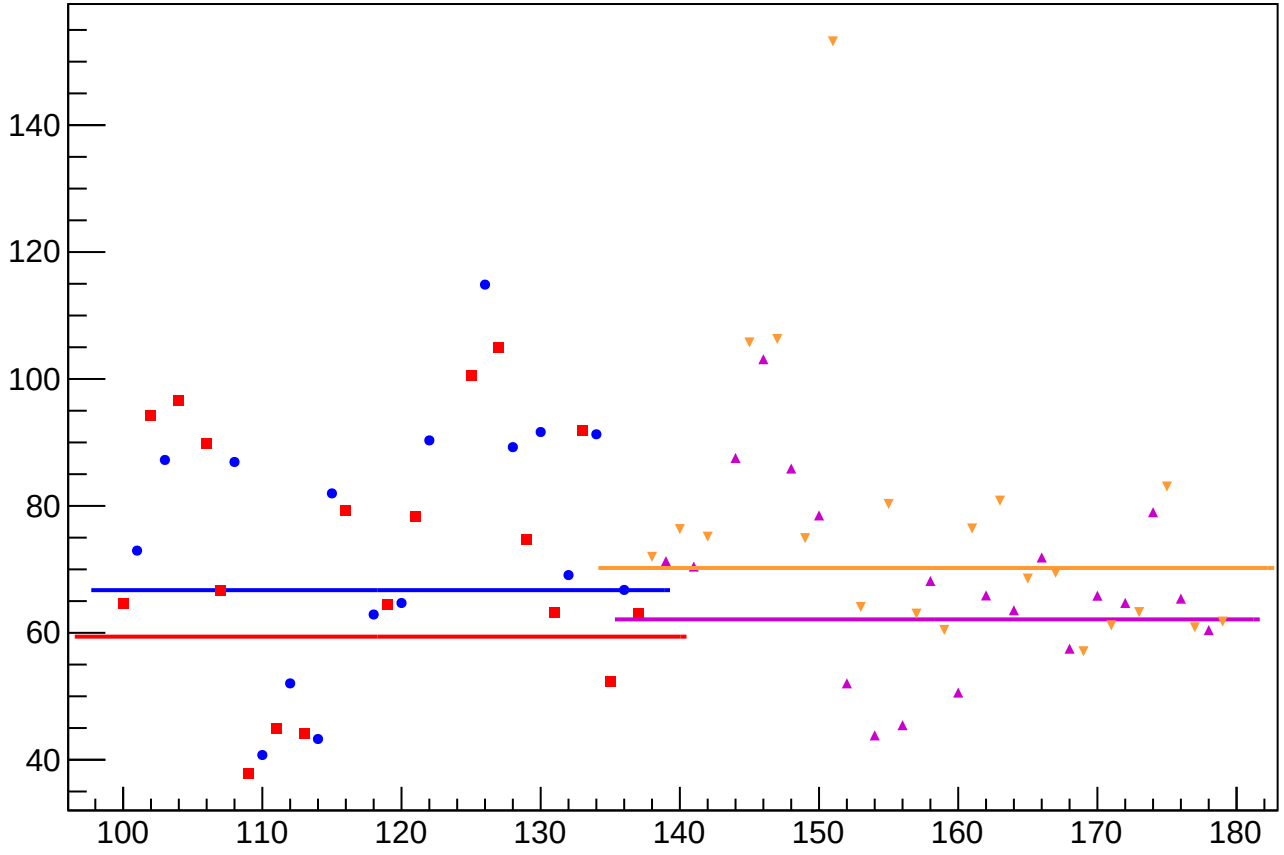
Left In: -39.428+/-16.082 χ^2/NDF:6.6/19

+ sign 26.144+/-14.688 χ^2/NDF: 25.2/36

All: 3.687+/-9.858 χ^2/NDF: 56.1/74

- sign -14.723+/-13.299 χ^2/NDF: 26.7/37

asym_bcm_2an_us_an_ds_dd_rms vs Slug



Right In: 66.724+/-0.018 χ^2/NDF: 947040.2/15

Left Out: 70.221+/-0.013 χ^2/NDF:1250862.6/20

Right Out: 59.400+/-0.017 χ^2/NDF: 1445371.1/17

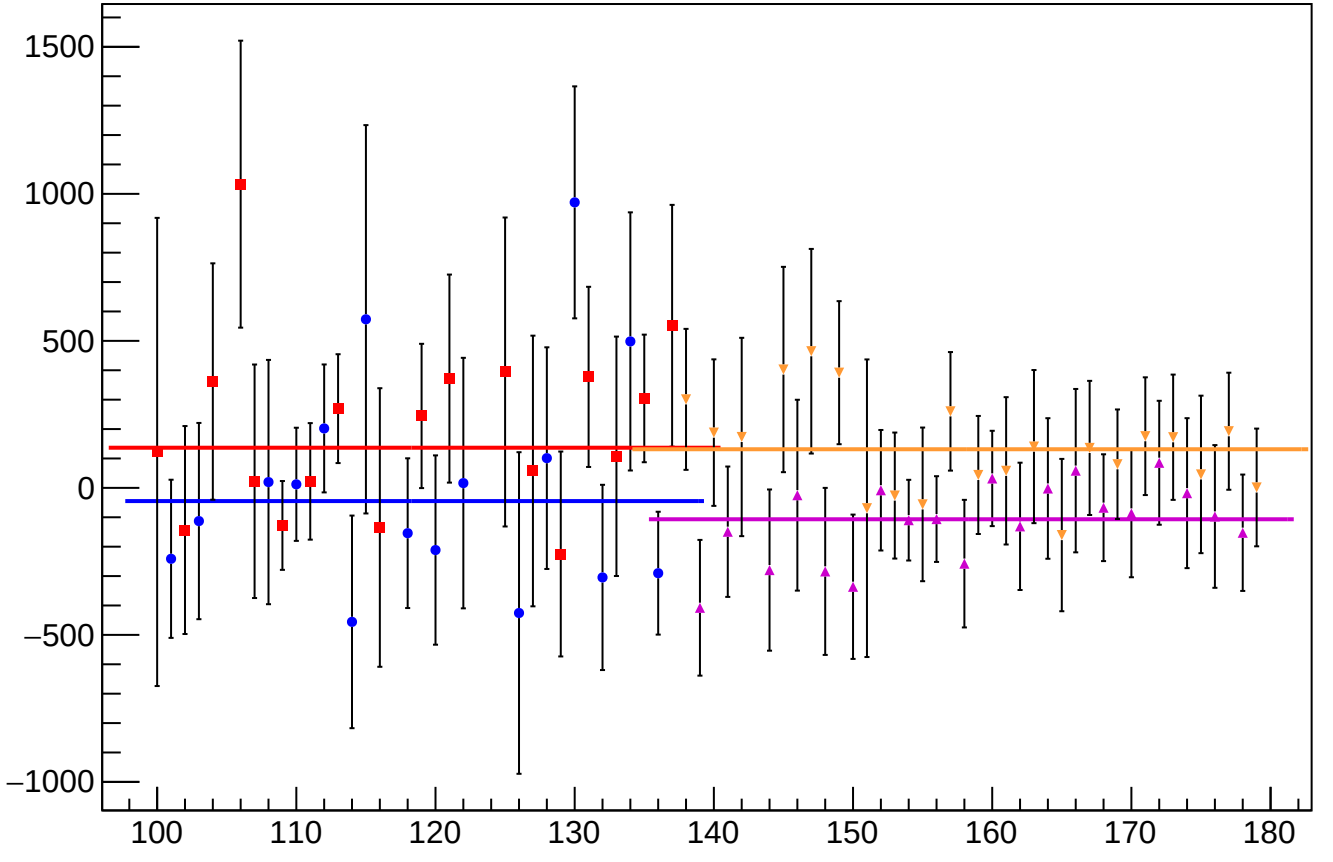
Left In: 62.120+/-0.011 χ^2/NDF:1443704.1/19

+ sign 69.116+/-0.010 χ^2/NDF: 2222412.7/36

All: 64.799+/-0.007 χ^2/NDF: 5443919.9/74

- sign 61.260+/-0.009 χ^2/NDF: 2907159.9/37

asym_bcm_an_us_an_ds_avg_mean vs Slug



Right In: -44.917+/-76.198 χ^2/NDF: 15.5/15

Left Out: 131.376+/-51.982 χ^2/NDF:7.2/20

Right Out: 136.579+/-68.322 χ^2/NDF: 12.9/17

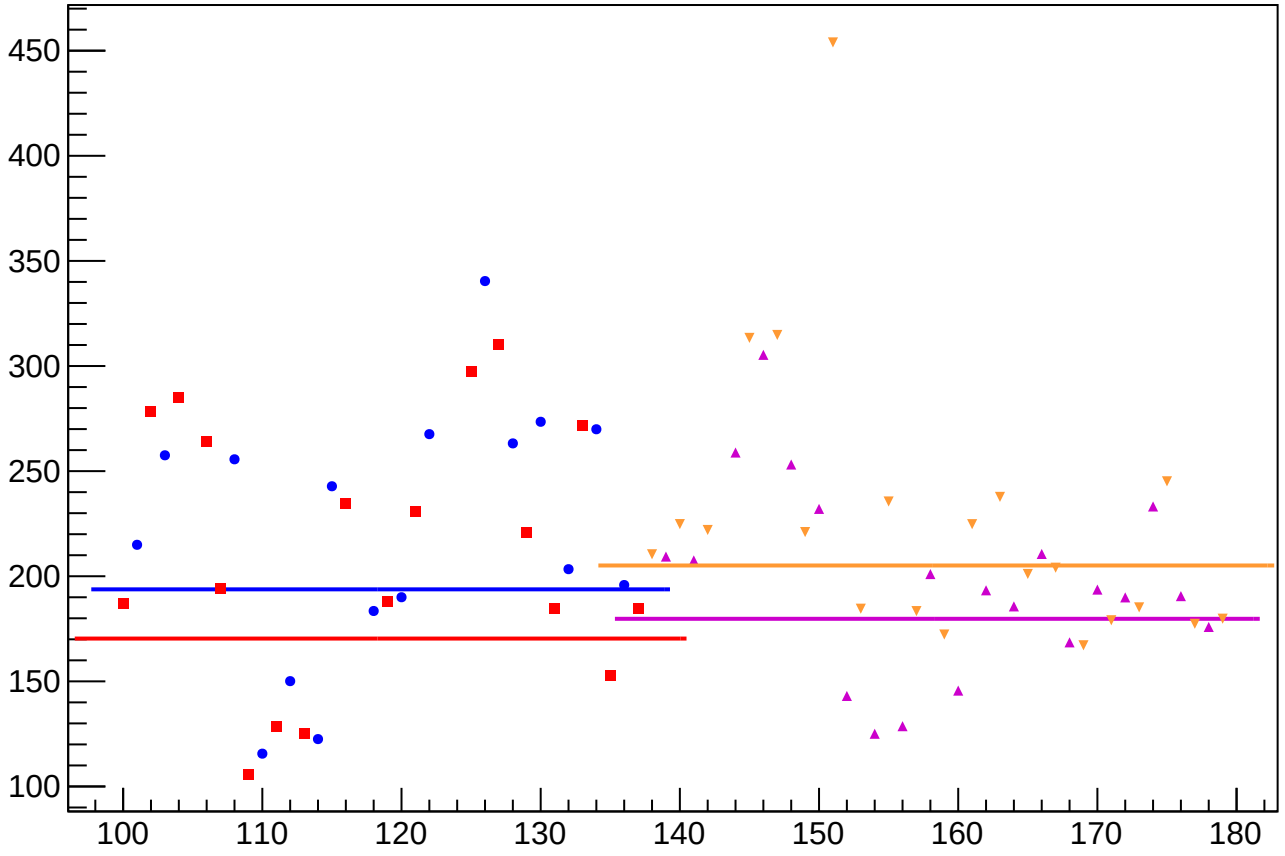
Left In: -106.754+/-46.732 χ^2/NDF:6.5/19

+ sign 75.387+/-42.942 χ^2/NDF: 26.3/36

All: 17.504+/-28.695 χ^2/NDF: 57.6/74

- sign -29.198+/-38.572 χ^2/NDF: 28.0/37

asym_bcm_an_us_an_ds_avg_rms vs Slug



Right In: 193.768+/-0.054 χ^2/NDF: 1048095.1/15

Left Out: 205.119+/-0.037 χ^2/NDF:1317546.3/20

Right Out: 170.358+/-0.048 χ^2/NDF: 1599025.1/17

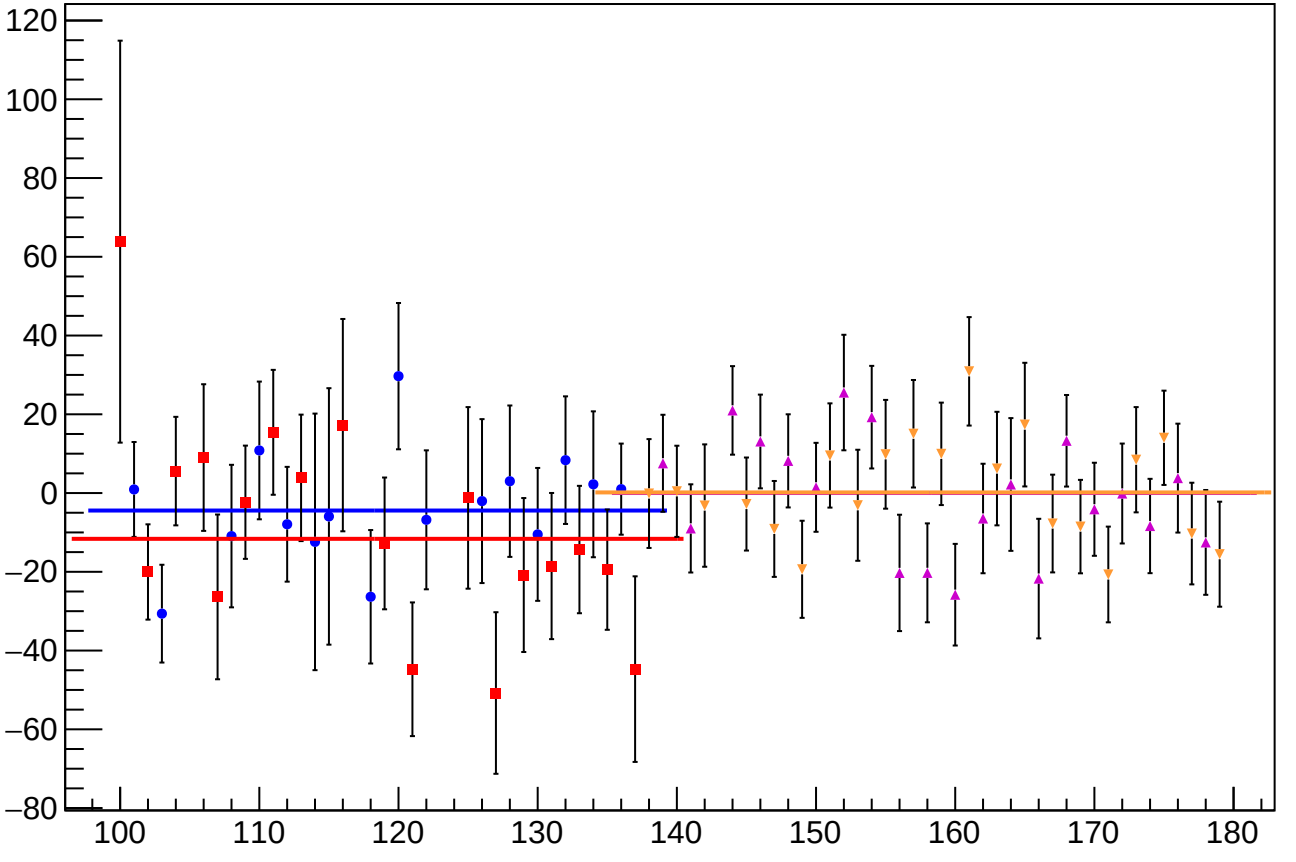
Left In: 179.756+/-0.033 χ^2/NDF:1636308.6/19

+ sign 201.514+/-0.030 χ^2/NDF: 2395931.0/36

All: 187.814+/-0.020 χ^2/NDF: 6024870.0/74

- sign 176.760+/-0.027 χ^2/NDF: 3261114.8/37

asym_bcm_an_us_an_ds_dd_mean vs Slug



Right In: -4.440+/-4.131 χ^2/NDF: 12.0/15

Left Out: 0.159+/-2.848 χ^2/NDF:20.0/20

Right Out: -11.627+/-4.137 χ^2/NDF: 21.6/17

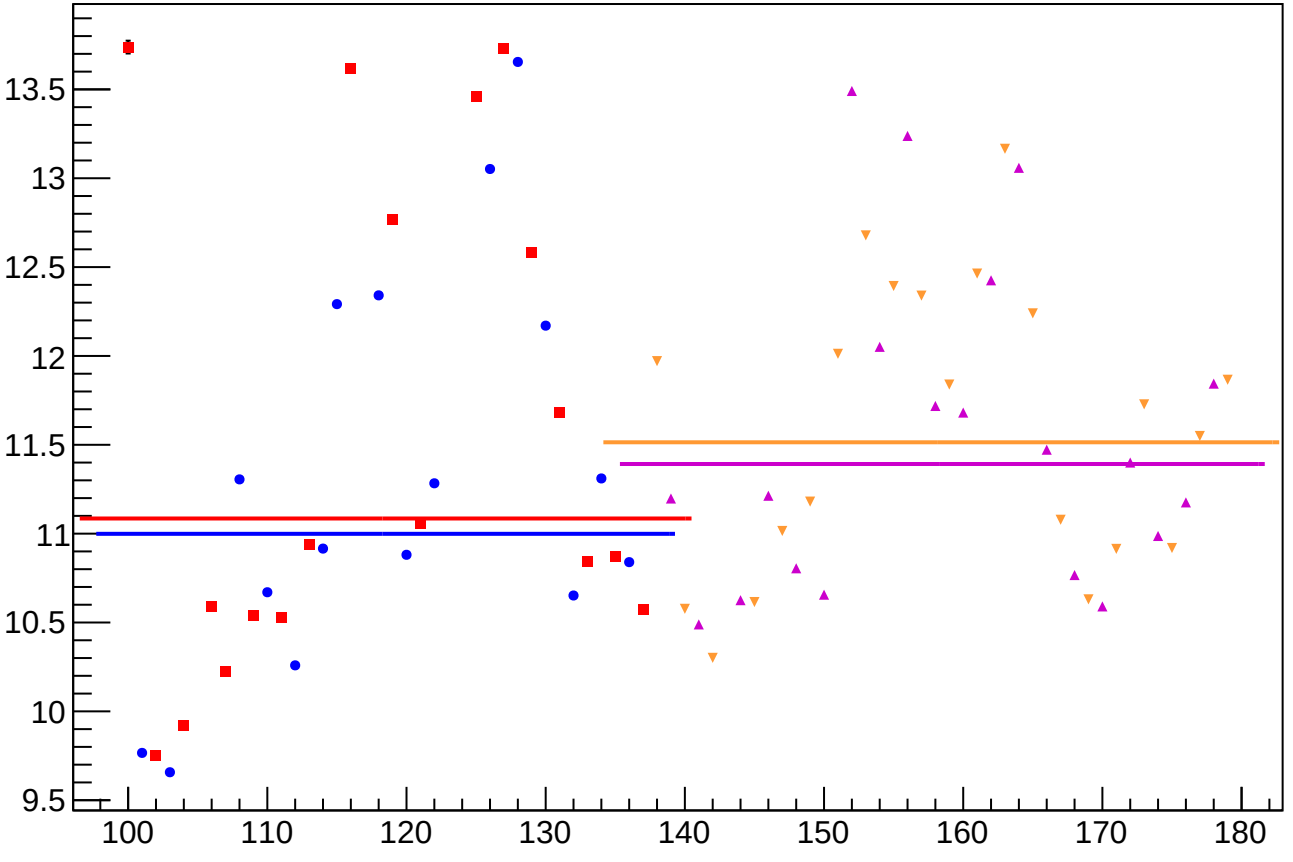
Left In: 0.009+/-2.844 χ^2/NDF:25.1/19

+ sign -1.323+/-2.345 χ^2/NDF: 32.8/36

All: -2.525+/-1.658 χ^2/NDF: 85.4/74

- sign -3.726+/-2.344 χ^2/NDF: 52.1/37

asym_bcm_an_us_an_ds_dd_rms vs Slug



Right In: 10.999+/-0.003 χ^2/NDF: 136159.2/15

Left Out: 11.514+/-0.002 χ^2/NDF:142340.8/20

Right Out: 11.085+/-0.003 χ^2/NDF: 162204.2/17

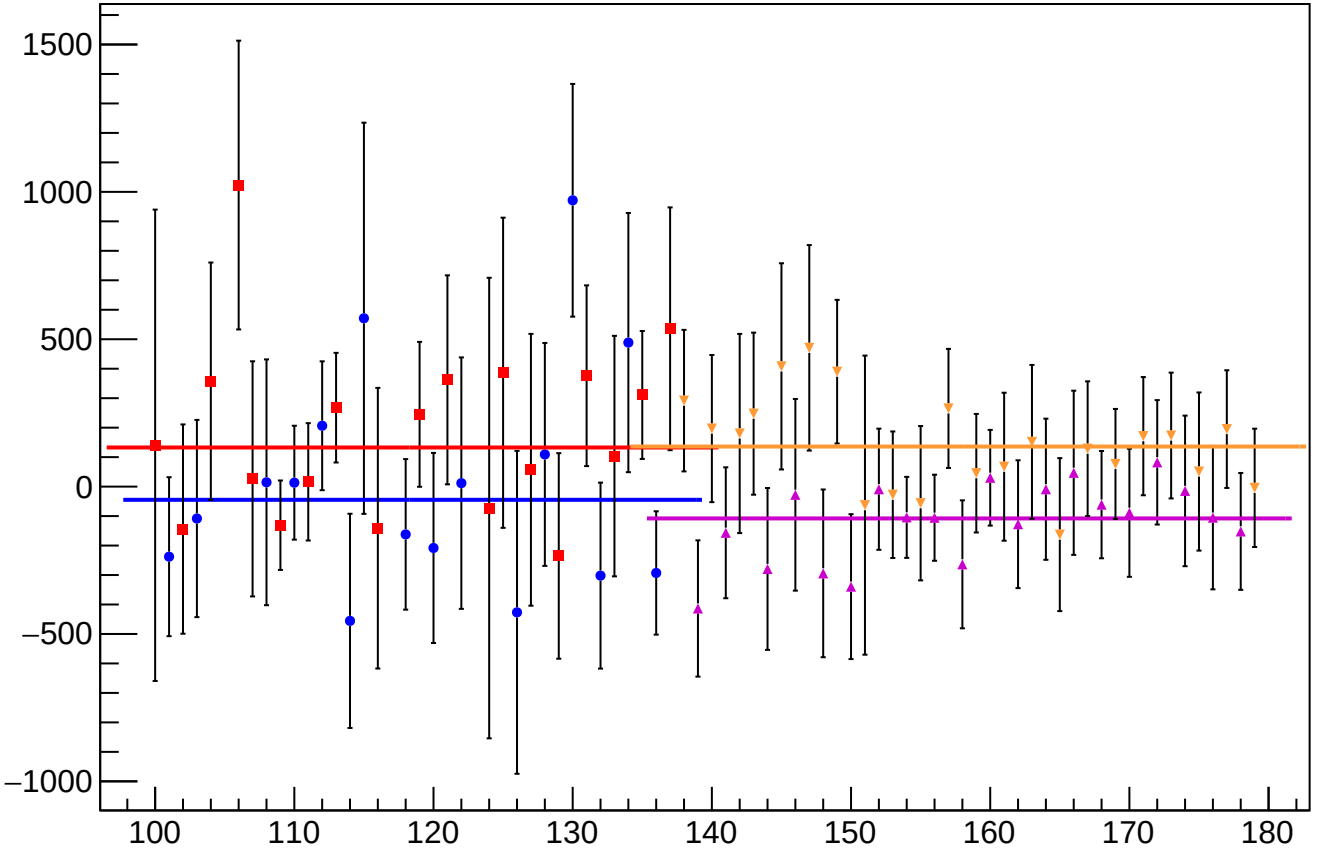
Left In: 11.392+/-0.002 χ^2/NDF:167034.3/19

+ sign 11.348+/-0.002 χ^2/NDF: 299576.5/36

All: 11.321+/-0.001 χ^2/NDF: 636821.4/74

- sign 11.294+/-0.002 χ^2/NDF: 336701.6/37

asym_bcm_an_us_an_ds3_avg_mean vs Slug



Right In: -44.797+/-76.424 χ^2/NDF: 15.4/15

Left Out: 135.971+/-51.172 χ^2/NDF:7.4/21

Right Out: 132.730+/-68.270 χ^2/NDF: 12.9/18

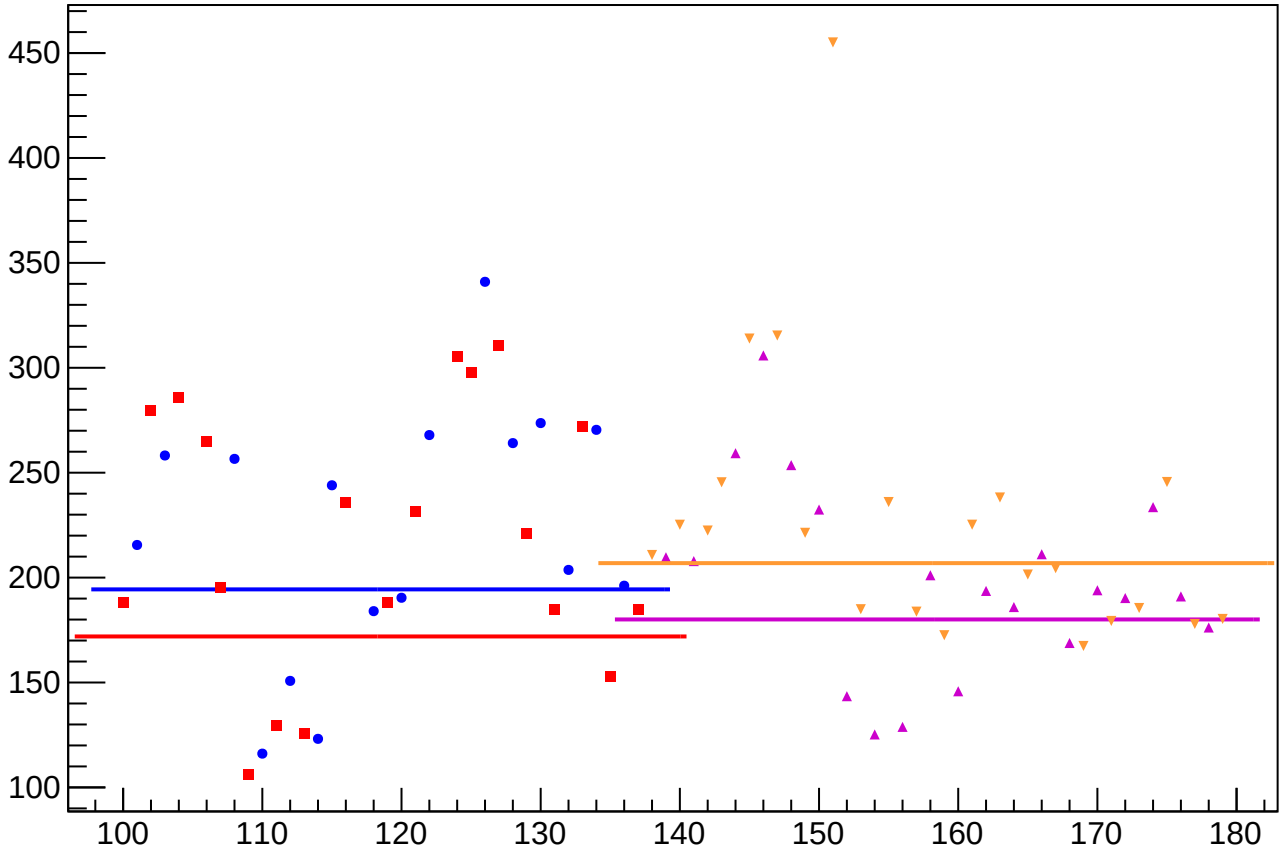
Left In: -108.004+/-46.810 χ^2/NDF:6.6/19

+ sign 80.013+/-42.520 χ^2/NDF: 26.7/37

All: 19.153+/-28.583 χ^2/NDF: 58.3/76

- sign -31.020+/-38.607 χ^2/NDF: 27.9/38

asym_bcm_an_us_an_ds3_avg_rms vs Slug



Right In: 194.385+/-0.054 χ^2/NDF: 1042024.1/15

Left Out: 206.893+/-0.036 χ^2/NDF:1358158.4/21

Right Out: 171.949+/-0.048 χ^2/NDF: 1651343.7/18

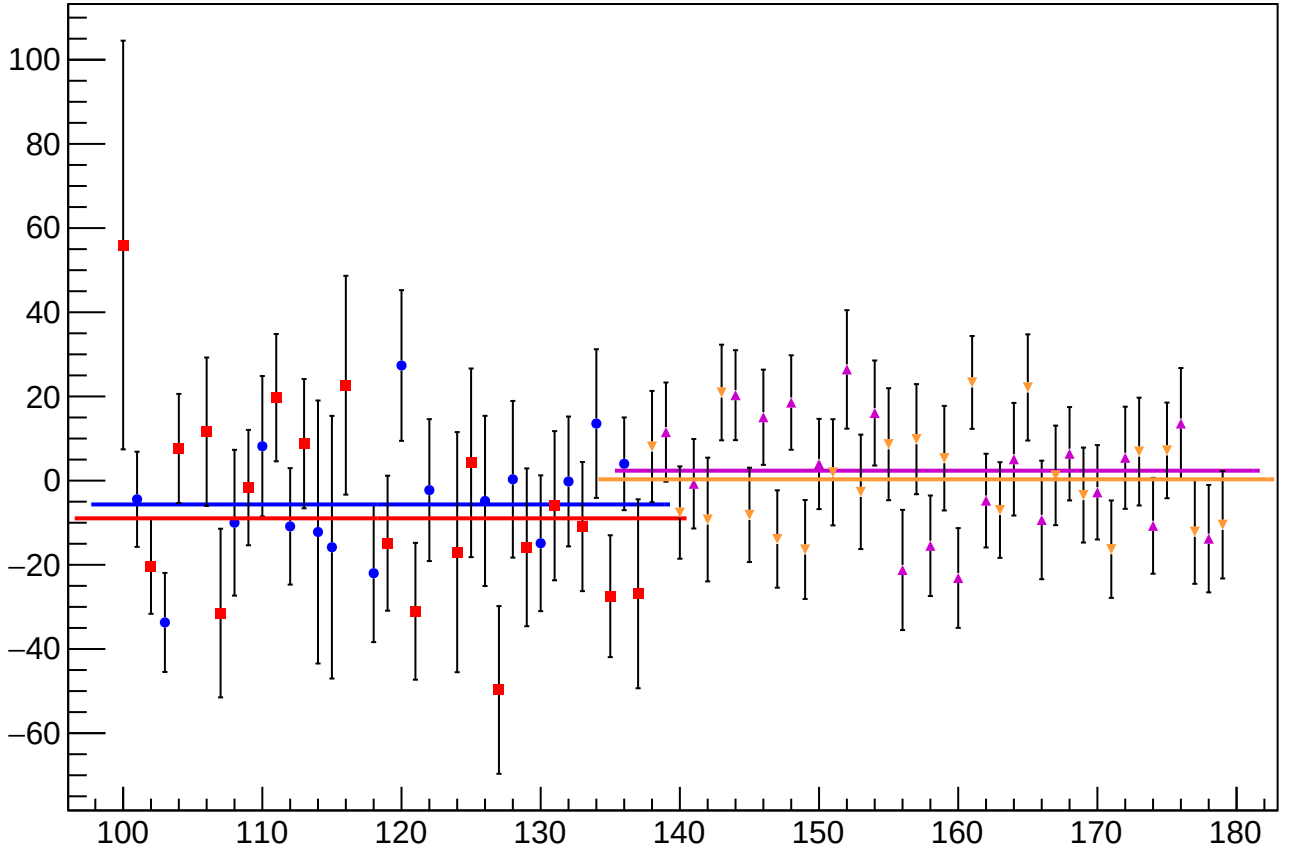
Left In: 180.055+/-0.033 χ^2/NDF:1636835.8/19

\+ sign 203.021+/-0.030 χ^2/NDF: 2437174.0/37

All: 189.012+/-0.020 χ^2/NDF: 6140625.2/76

\- sign 177.463+/-0.027 χ^2/NDF: 3307360.1/38

asym_bcm_an_us_an_ds3_dd_mean vs Slug



Right In: -5.657+/-3.939 χ^2/NDF: 13.7/15

Left Out: 0.310+/-2.582 χ^2/NDF:22.1/21

Right Out: -8.960+/-3.901 χ^2/NDF: 22.8/18

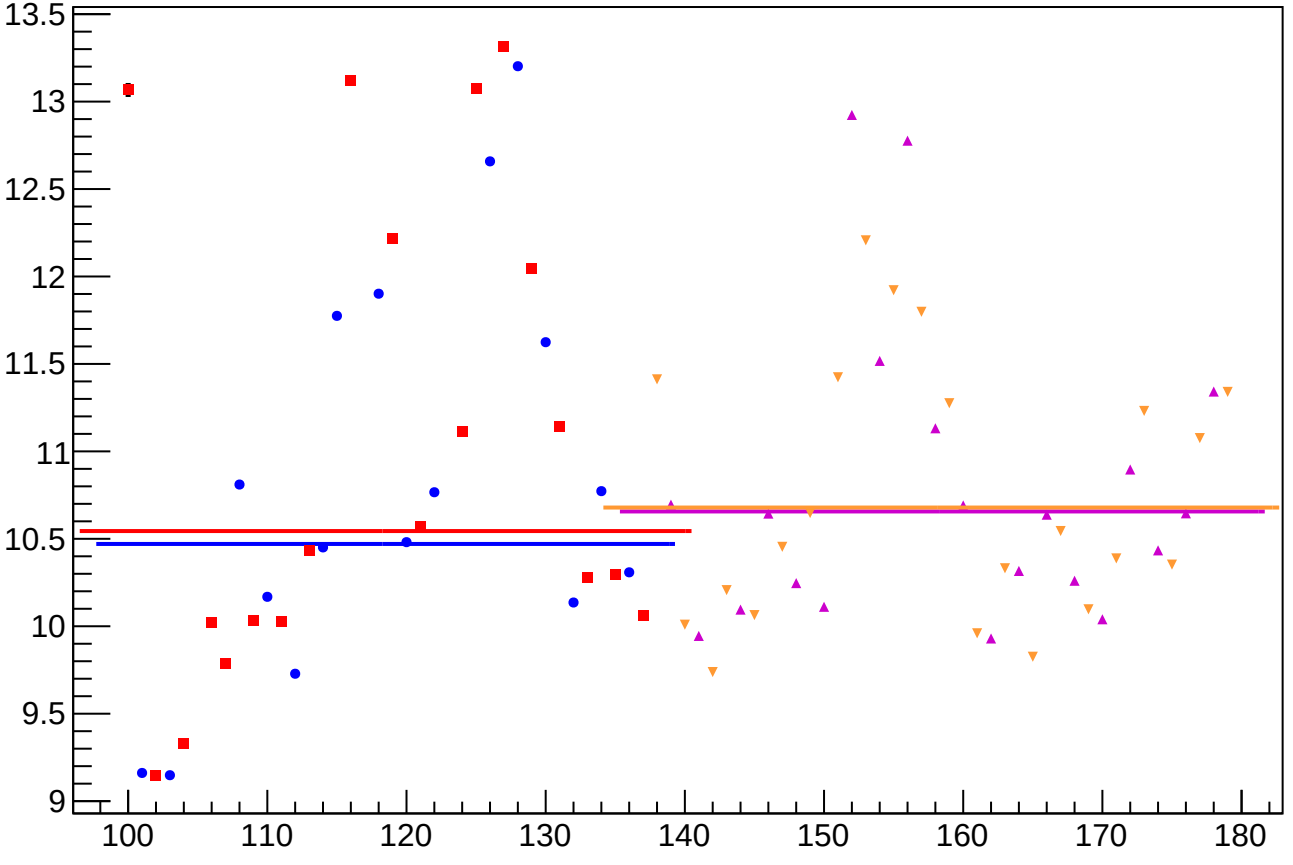
Left In: 2.363+/-2.664 χ^2/NDF:25.8/19

+ sign -1.483+/-2.160 χ^2/NDF: 37.4/37

All: -1.363+/-1.541 χ^2/NDF: 91.7/76

- sign -1.238+/-2.200 χ^2/NDF: 54.3/38

asym_bcm_an_us_an_ds3_dd_rms vs Slug



Right In: 10.471+/-0.003 χ^2/NDF: 157365.8/15

Left Out: 10.679+/-0.002 χ^2/NDF:140127.7/21

Right Out: 10.544+/-0.003 χ^2/NDF: 186780.3/18

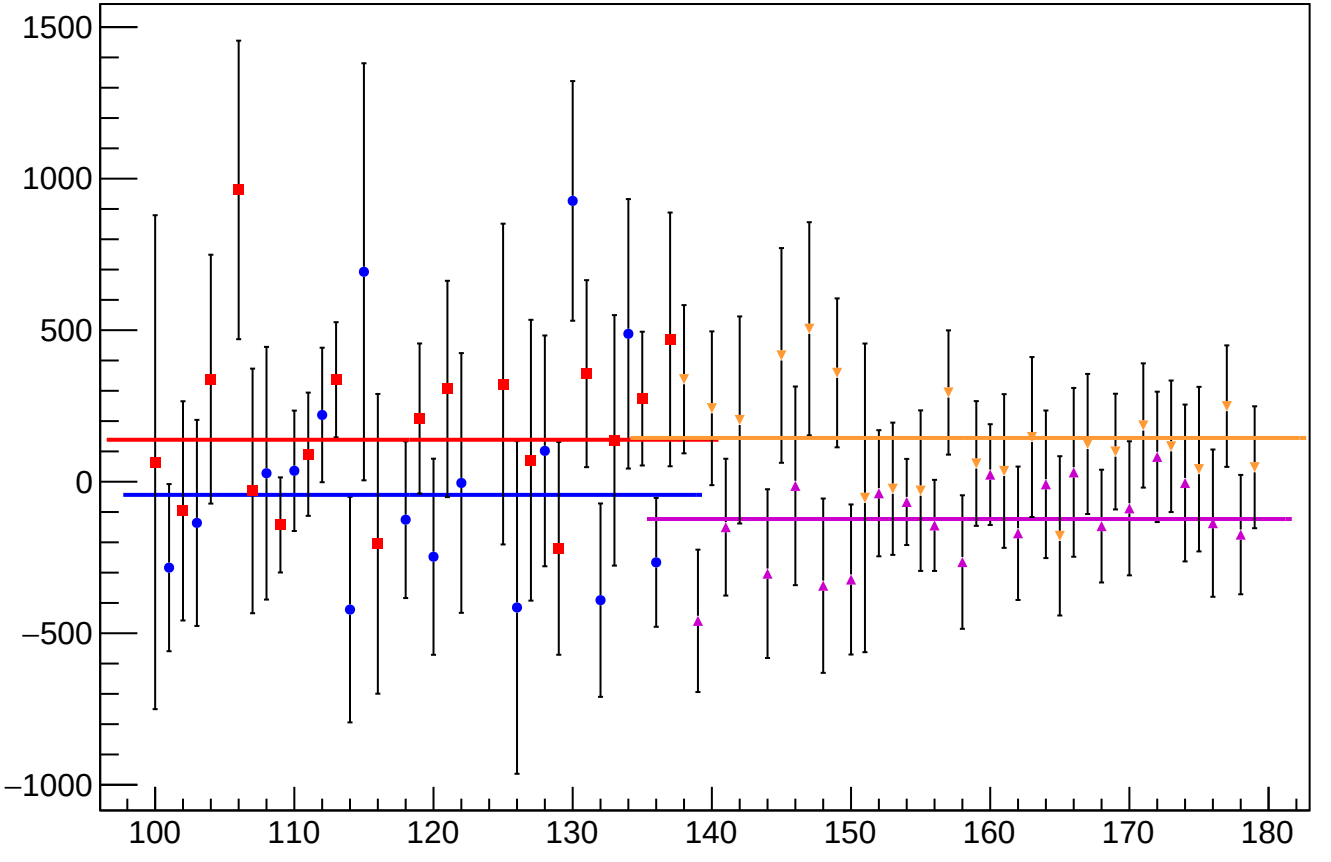
Left In: 10.656+/-0.002 χ^2/NDF:156706.1/19

+ sign 10.616+/-0.002 χ^2/NDF: 301401.8/37

All: 10.618+/-0.001 χ^2/NDF: 646018.6/76

- sign 10.621+/-0.002 χ^2/NDF: 344612.4/38

asym_bcm_dg_us_dg_ds_avg_mean vs Slug



Right In: -43.384+/-77.584 χ^2/NDF: 15.5/15

Left Out: 144.449+/-52.798 χ^2/NDF:7.6/20

Right Out: 138.455+/-69.833 χ^2/NDF: 11.5/17

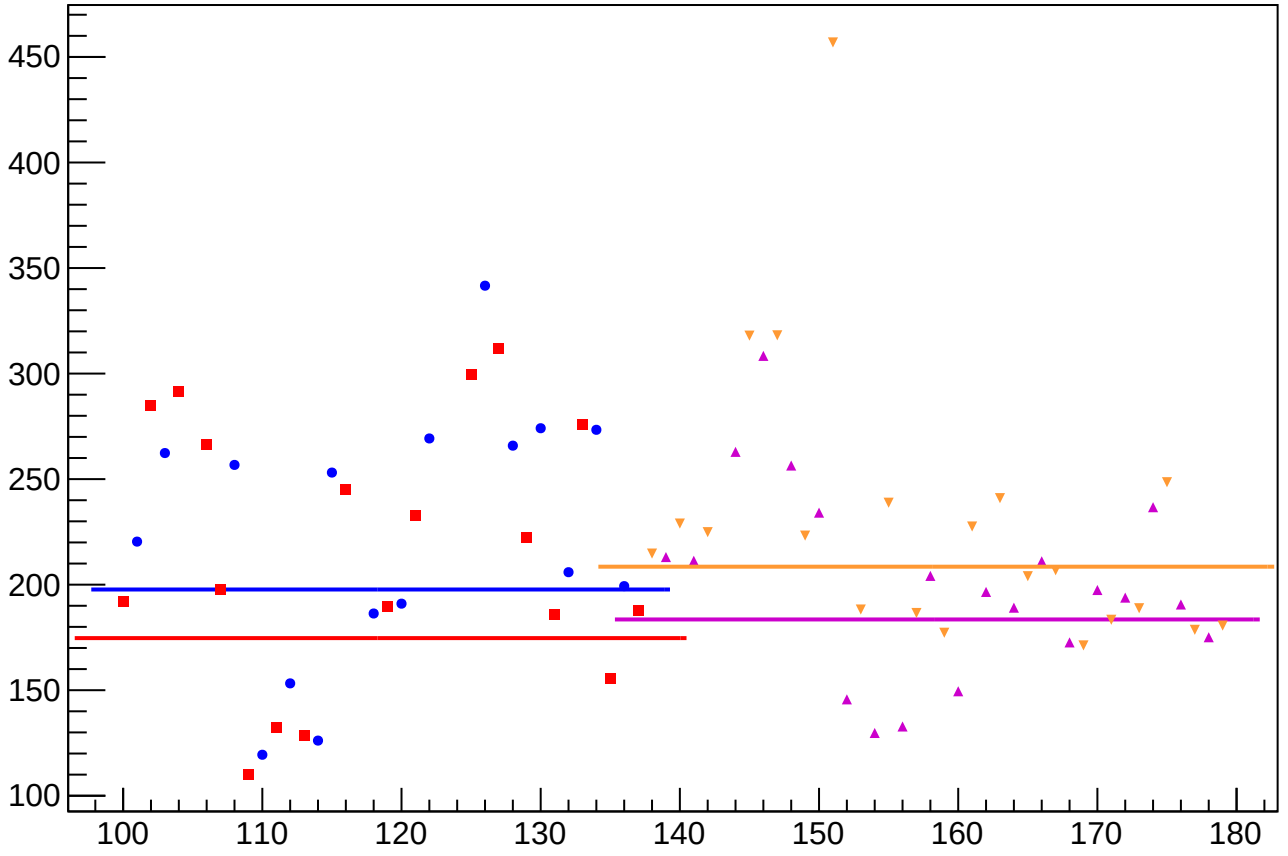
Left In: -123.077+/-47.618 χ^2/NDF:7.2/19

+ sign 84.994+/-43.649 χ^2/NDF: 27.0/36

All: 15.990+/-29.224 χ^2/NDF: 59.7/74

- sign -40.068+/-39.342 χ^2/NDF: 28.2/37

asym_bcm_dg_us_dg_ds_avg_rms vs Slug



Right In: 197.707+/-0.055 χ^2/NDF: 1000324.6/15

Left Out: 208.515+/-0.037 χ^2/NDF:1291282.9/20

Right Out: 174.679+/-0.049 χ^2/NDF: 1534751.1/17

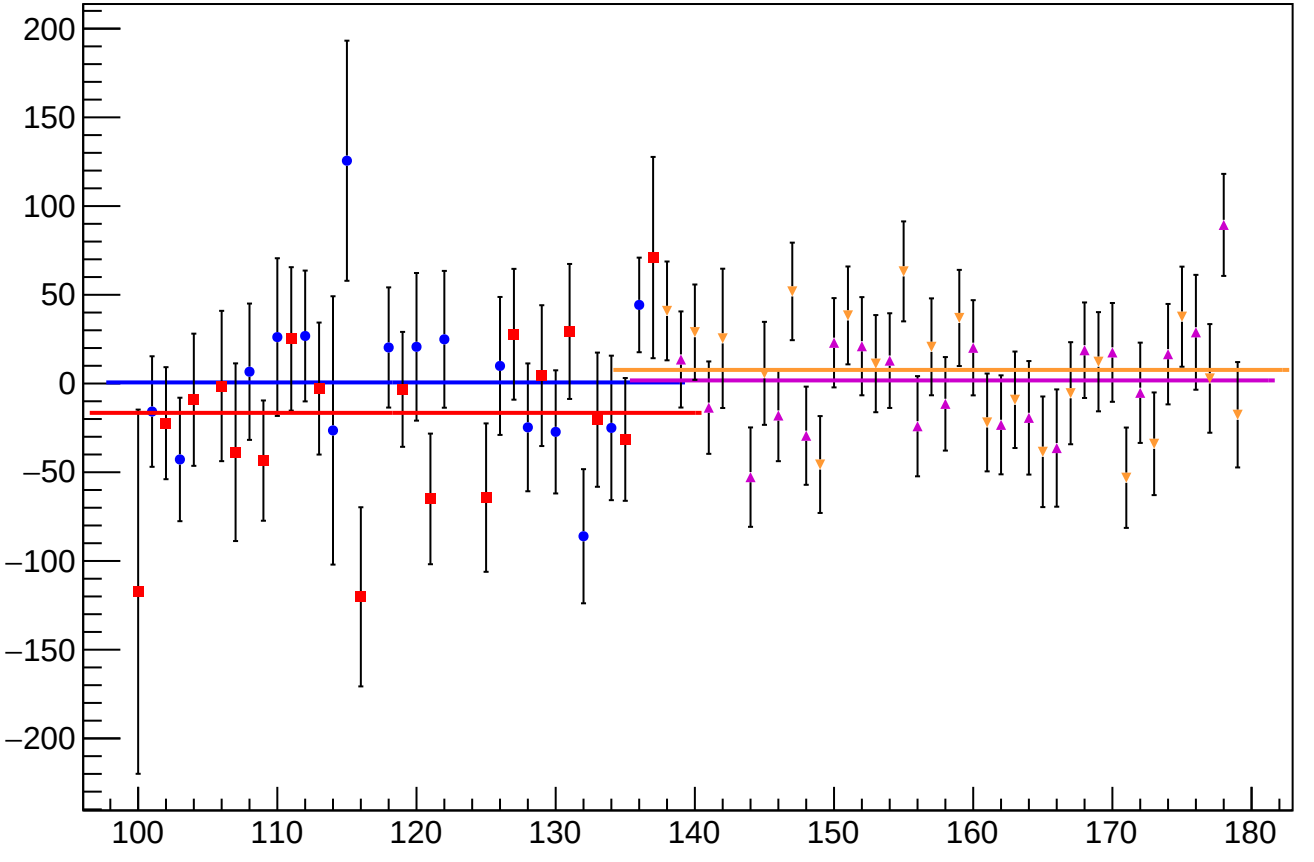
Left In: 183.516+/-0.034 χ^2/NDF:1545520.3/19

+ sign 205.094+/-0.031 χ^2/NDF: 2318134.2/36

All: 191.641+/-0.021 χ^2/NDF: 5764618.4/74

- sign 180.711+/-0.028 χ^2/NDF: 3102132.1/37

asym_bcm_dg_us_dg_ds_dd_mean vs Slug



Right In: 0.619+/-9.421 χ^2/NDF: 16.7/15

Left Out: 7.670+/-6.216 χ^2/NDF:27.7/20

Right Out: -16.534+/-9.307 χ^2/NDF: 16.4/17

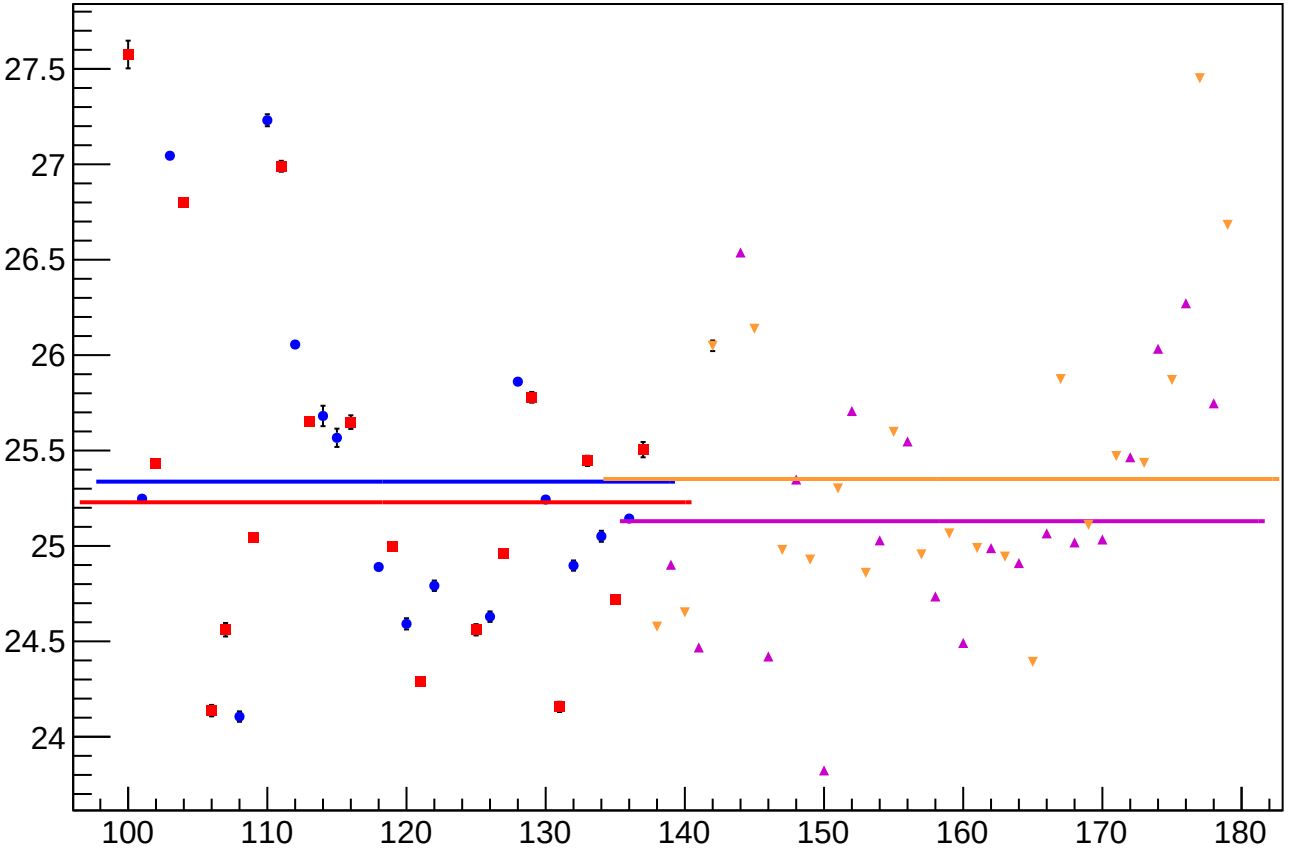
Left In: 1.747+/-6.224 χ^2/NDF:22.7/19

+ sign 5.532+/-5.189 χ^2/NDF: 44.9/36

All: 0.801+/-3.664 χ^2/NDF: 88.3/74

- sign -3.902+/-5.174 χ^2/NDF: 41.8/37

asym_bcm_dg_us_dg_ds_dd_rms vs Slug



Right In: 25.337+/-0.007 χ^2/NDF: 14315.0/15

Left Out: 25.351+/-0.004 χ^2/NDF:24950.4/20

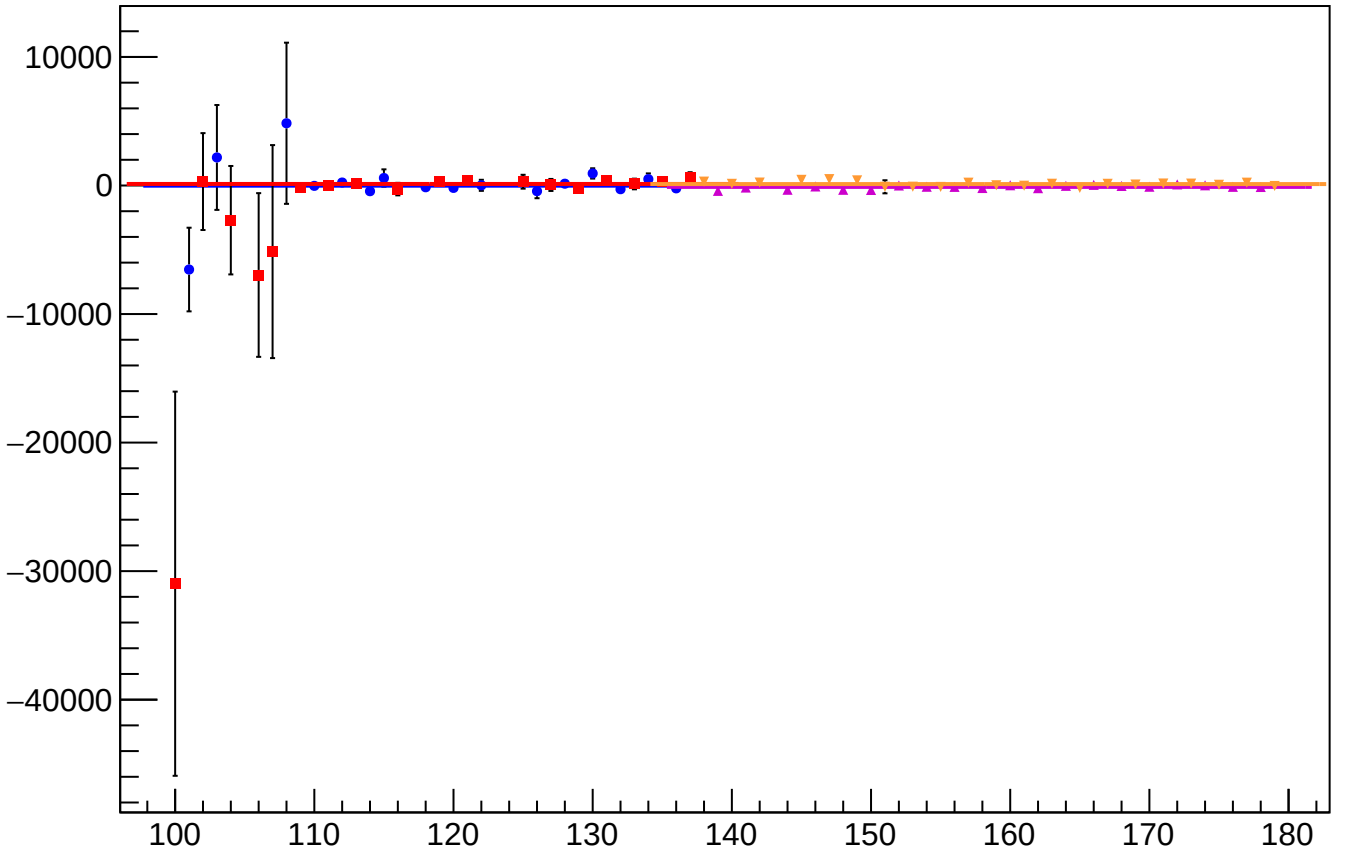
Right Out: 25.229+/-0.007 χ^2/NDF: 15176.1/17

Left In: 25.130+/-0.004 χ^2/NDF:22381.3/19

+ sign 25.347+/-0.004 χ^2/NDF: 39268.5/36

All: 25.253+/-0.003 χ^2/NDF: 78274.9/74

- sign 25.160+/-0.004 χ^2/NDF: 37713.8/37



Right In: -13.160+/-84.454 χ^2/NDF: 18.3/15

Left Out: 111.037+/-52.623 χ^2/NDF:8.8/20

Right Out: 119.984+/-78.247 χ^2/NDF: 14.4/17

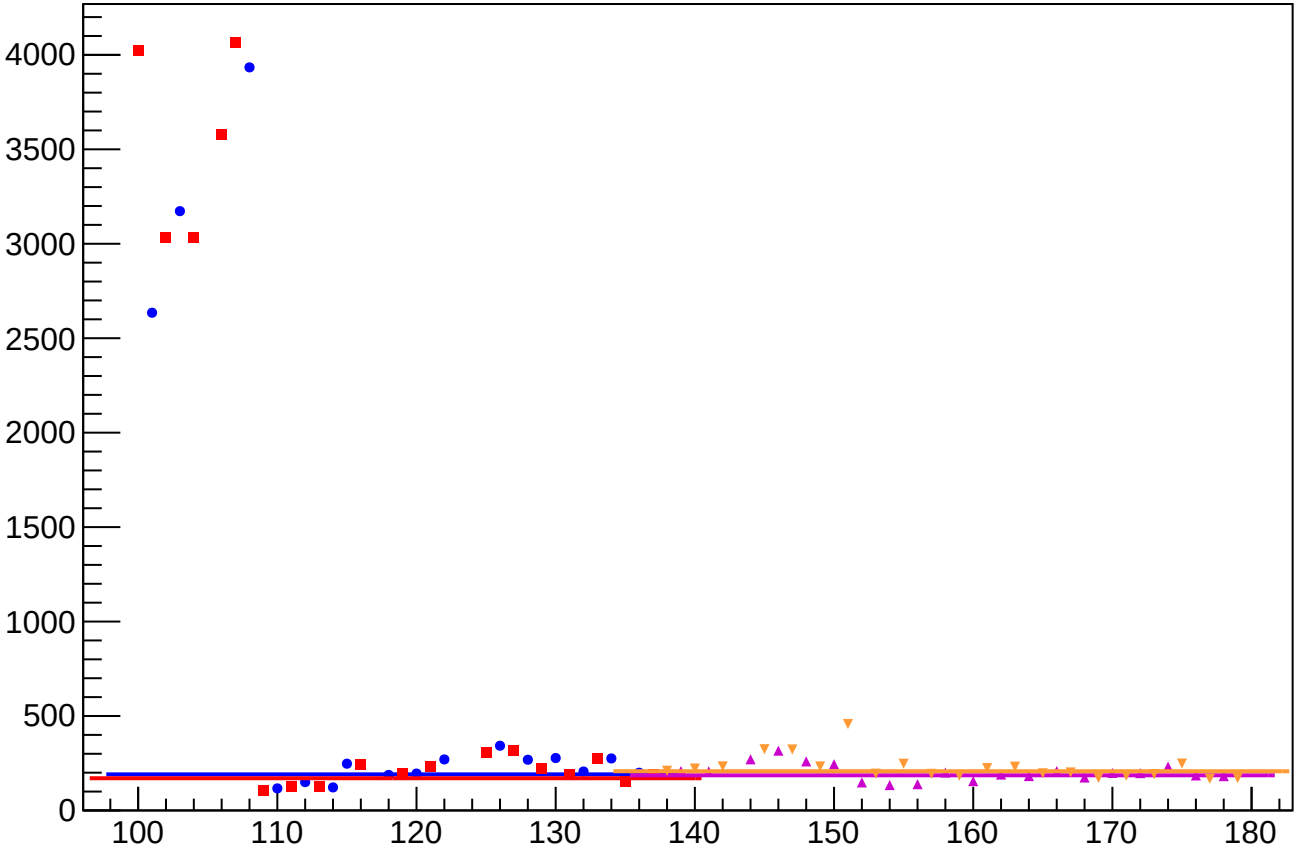
Left In: -108.033+/-48.170 χ^2/NDF:6.7/19

+ sign 76.303+/-44.662 χ^2/NDF: 28.7/36

All: 10.304+/-30.211 χ^2/NDF: 60.0/74

- sign -45.369+/-41.020 χ^2/NDF: 27.3/37

asym_bcm_cav4cQ_an_ds_avg_rms vs Slug



Right In: 191.070+/-0.060 χ^2/NDF: 3833952.4/15

Left Out: 207.680+/-0.037 χ^2/NDF:1360011.3/20

Right Out: 170.494+/-0.055 χ^2/NDF: 4254820.8/17

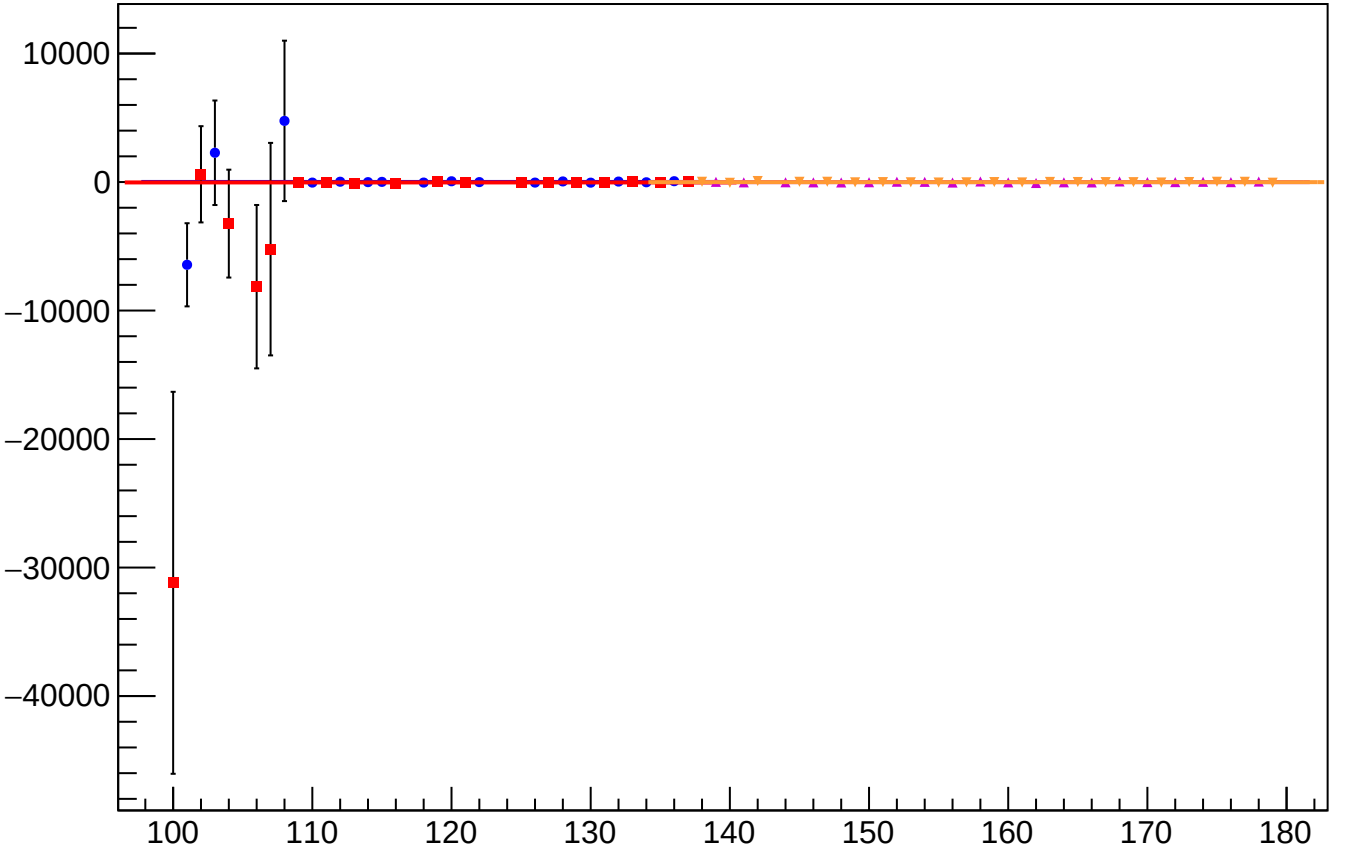
Left In: 186.125+/-0.034 χ^2/NDF:1405794.8/19

+ sign 203.035+/-0.032 χ^2/NDF: 5249692.0/36

All: 191.532+/-0.021 χ^2/NDF: 11212750.4/74

- sign 181.829+/-0.029 χ^2/NDF: 5718497.4/37

asym_bcm_cav4cQ_an_ds_dd_mean vs Slug



Right In: 6.490+/-11.764 χ^2/NDF: 18.3/15

Left Out: -8.169+/-7.036 χ^2/NDF:15.3/20

Right Out: -30.740+/-12.084 χ^2/NDF: 19.9/17

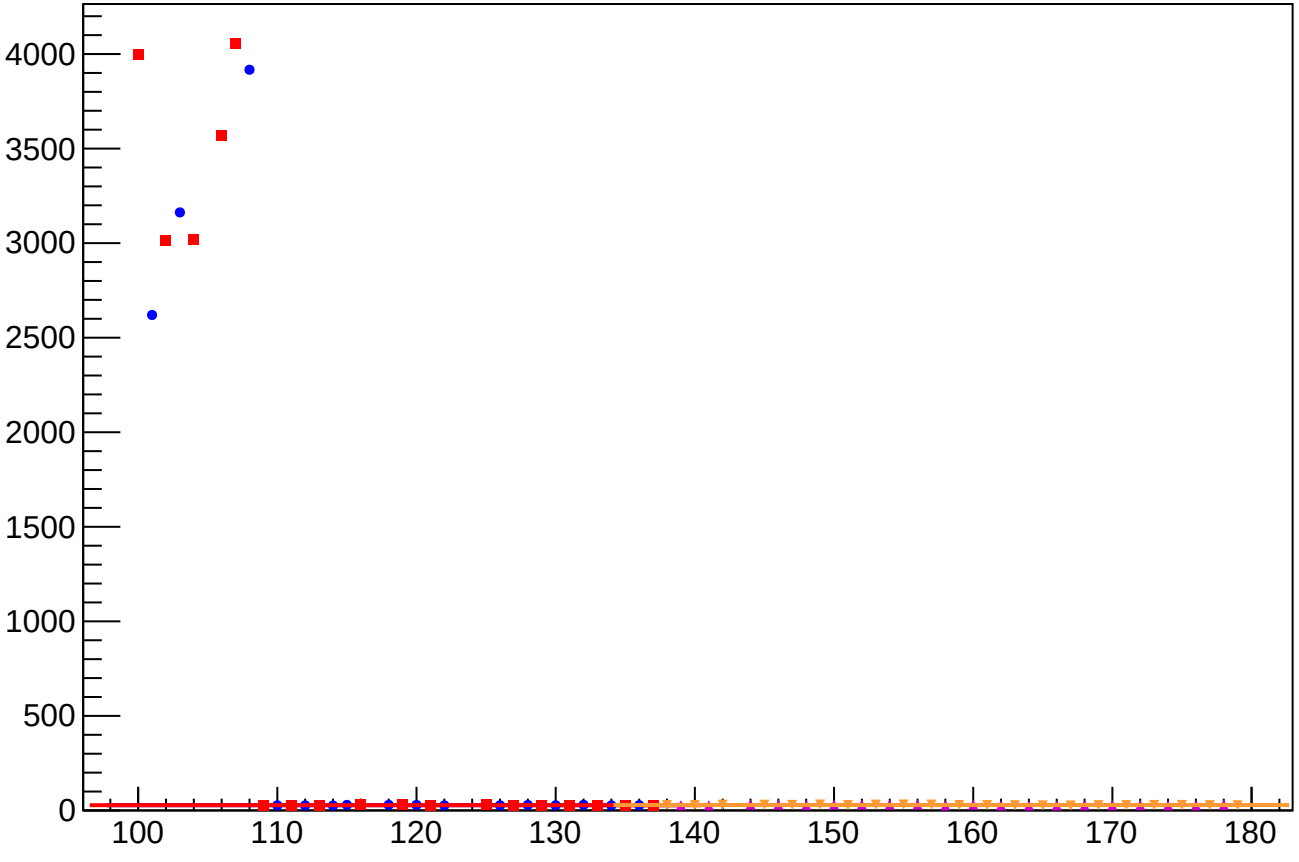
Left In: -4.735+/-7.148 χ^2/NDF:18.3/19

+ sign -4.307+/-6.038 χ^2/NDF: 34.8/36

All: -7.824+/-4.310 χ^2/NDF: 77.1/74

- sign -11.476+/-6.152 χ^2/NDF: 41.6/37

asym_bcm_cav4cQ_an_ds_dd_rms vs Slug



Right In: 27.825+/-0.008 χ^2/NDF: 3265895.3/15

Left Out: 28.653+/-0.005 χ^2/NDF:78297.6/20

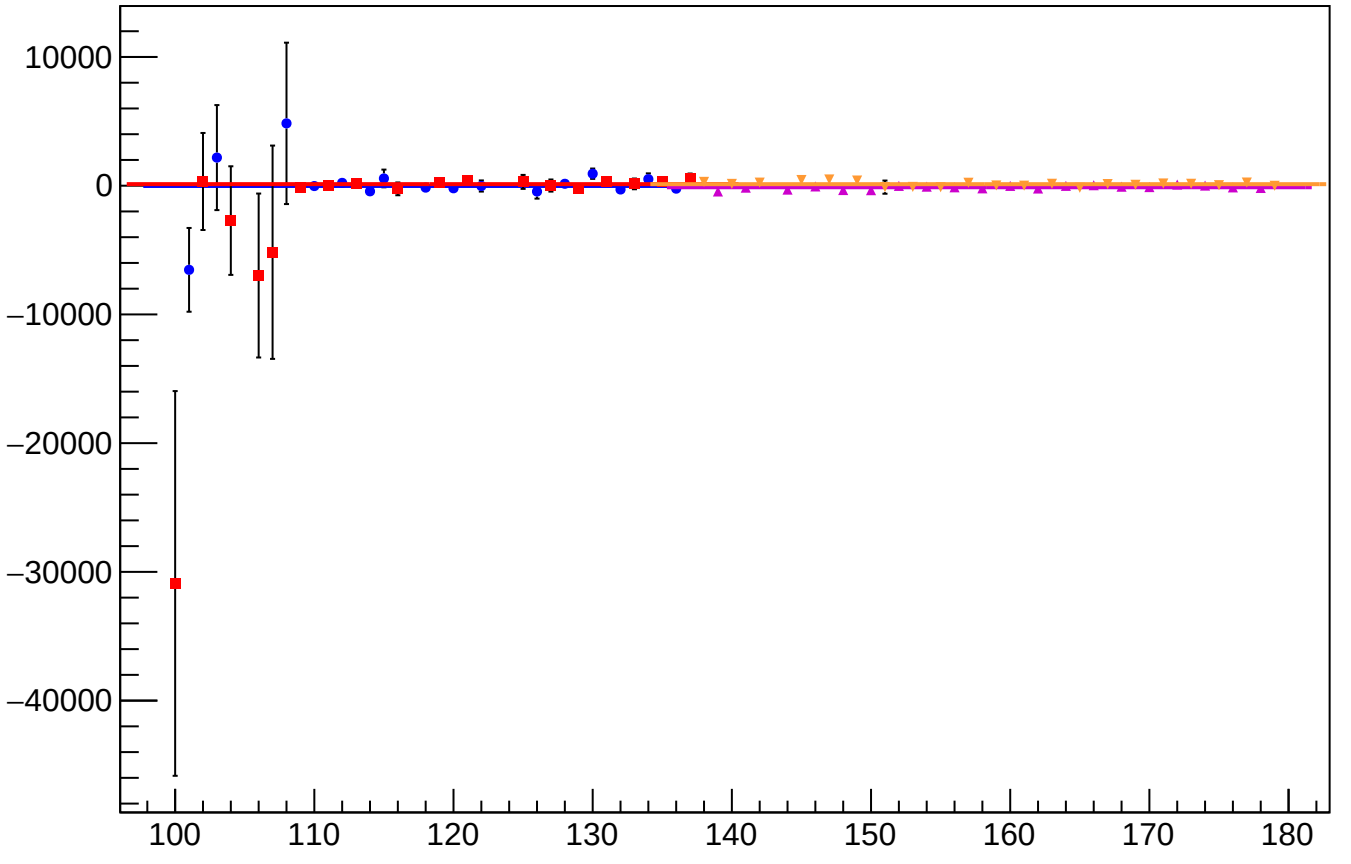
Right Out: 27.778+/-0.009 χ^2/NDF: 3558398.6/17

Left In: 28.787+/-0.005 χ^2/NDF:123668.3/19

+ sign 28.435+/-0.004 χ^2/NDF: 3351485.9/36

All: 28.479+/-0.003 χ^2/NDF: 7044113.1/74

- sign 28.526+/-0.004 χ^2/NDF: 3692402.6/37



Right In: -19.522+/-85.063 χ^2/NDF: 18.2/15

Left Out: 118.515+/-53.059 χ^2/NDF:8.5/20

Right Out: 121.544+/-78.844 χ^2/NDF: 13.2/17

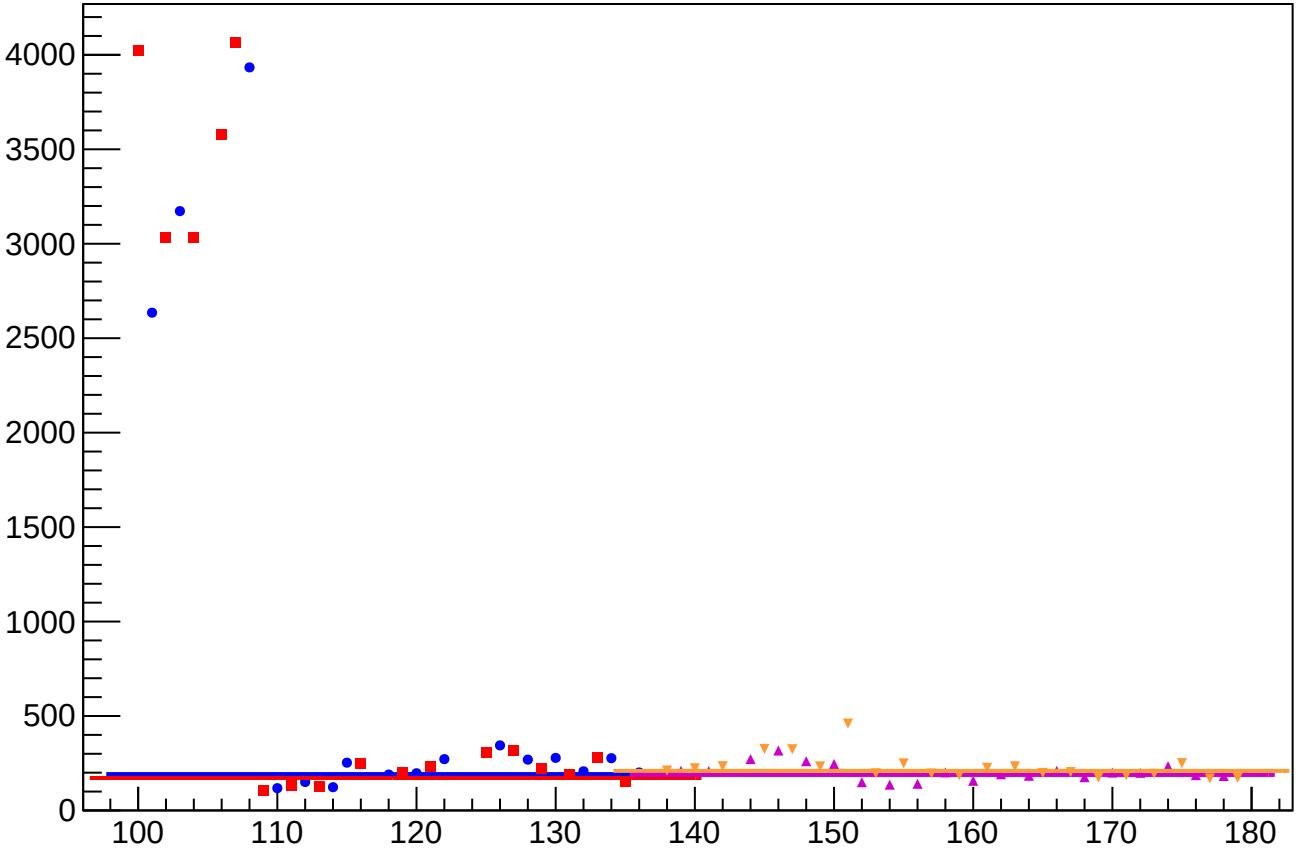
Left In: -120.701+/-48.611 χ^2/NDF:6.6/19

+ sign 79.851+/-45.019 χ^2/NDF: 28.6/36

All: 7.308+/-30.465 χ^2/NDF: 60.1/74

- sign -53.979+/-41.379 χ^2/NDF: 26.7/37

asym_bcm_cav4cQ_dg_ds_avg_rms vs Slug



Right In: 192.560+/-0.060 χ^2/NDF: 3822789.1/15

Left Out: 209.484+/-0.038 χ^2/NDF:1342830.2/20

Right Out: 171.899+/-0.056 χ^2/NDF: 4247800.5/17

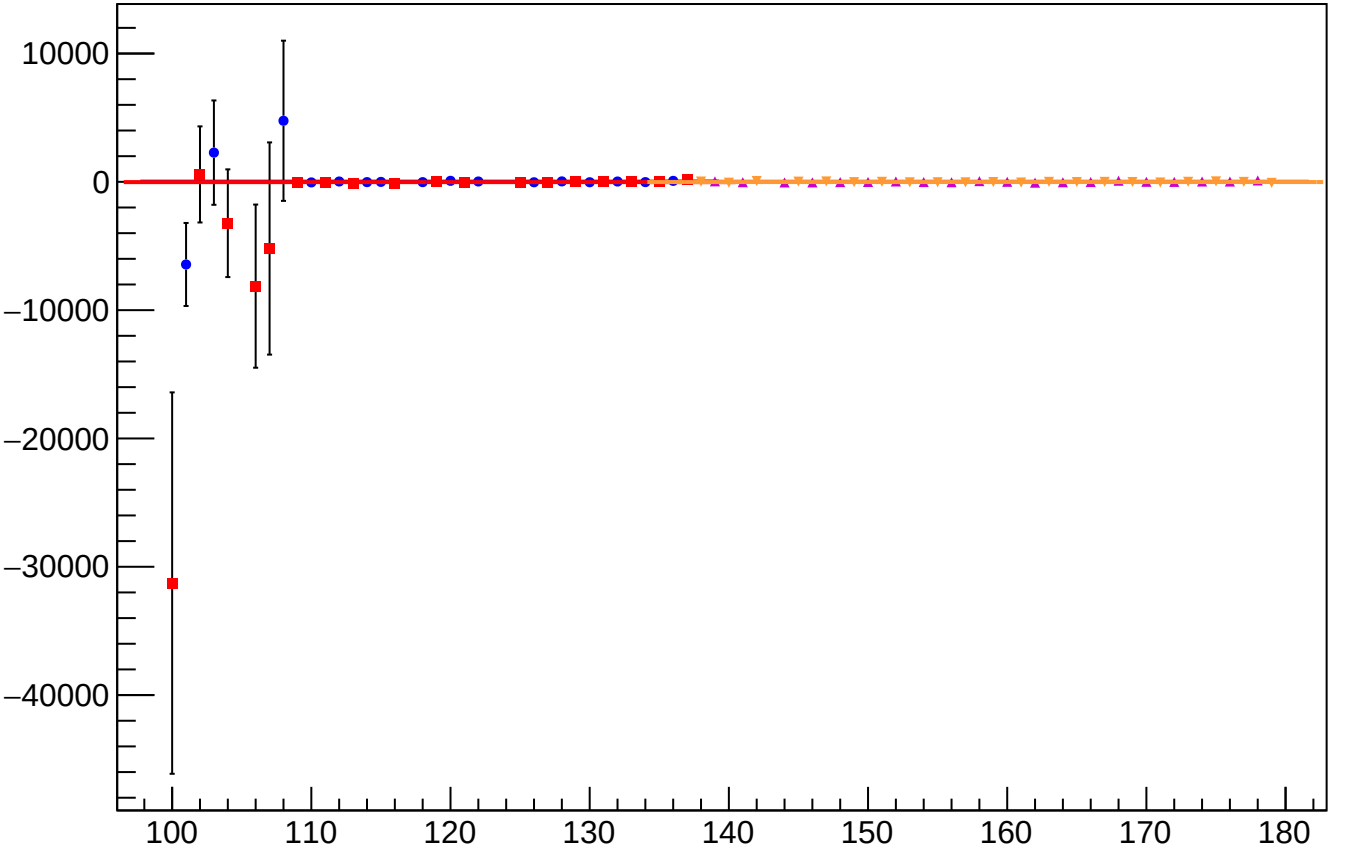
Left In: 187.973+/-0.034 χ^2/NDF:1365707.7/19

+ sign 204.744+/-0.032 χ^2/NDF: 5222614.2/36

All: 193.253+/-0.022 χ^2/NDF: 11136723.5/74

- sign 183.546+/-0.029 χ^2/NDF: 5673745.2/37

asym_bcm_cav4cQ_dg_ds_dd_mean vs Slug



Right In: 13.713+/-13.062 χ^2/NDF: 15.5/15

Left Out: -15.924+/-7.657 χ^2/NDF:18.8/20

Right Out: -21.906+/-13.382 χ^2/NDF: 28.4/17

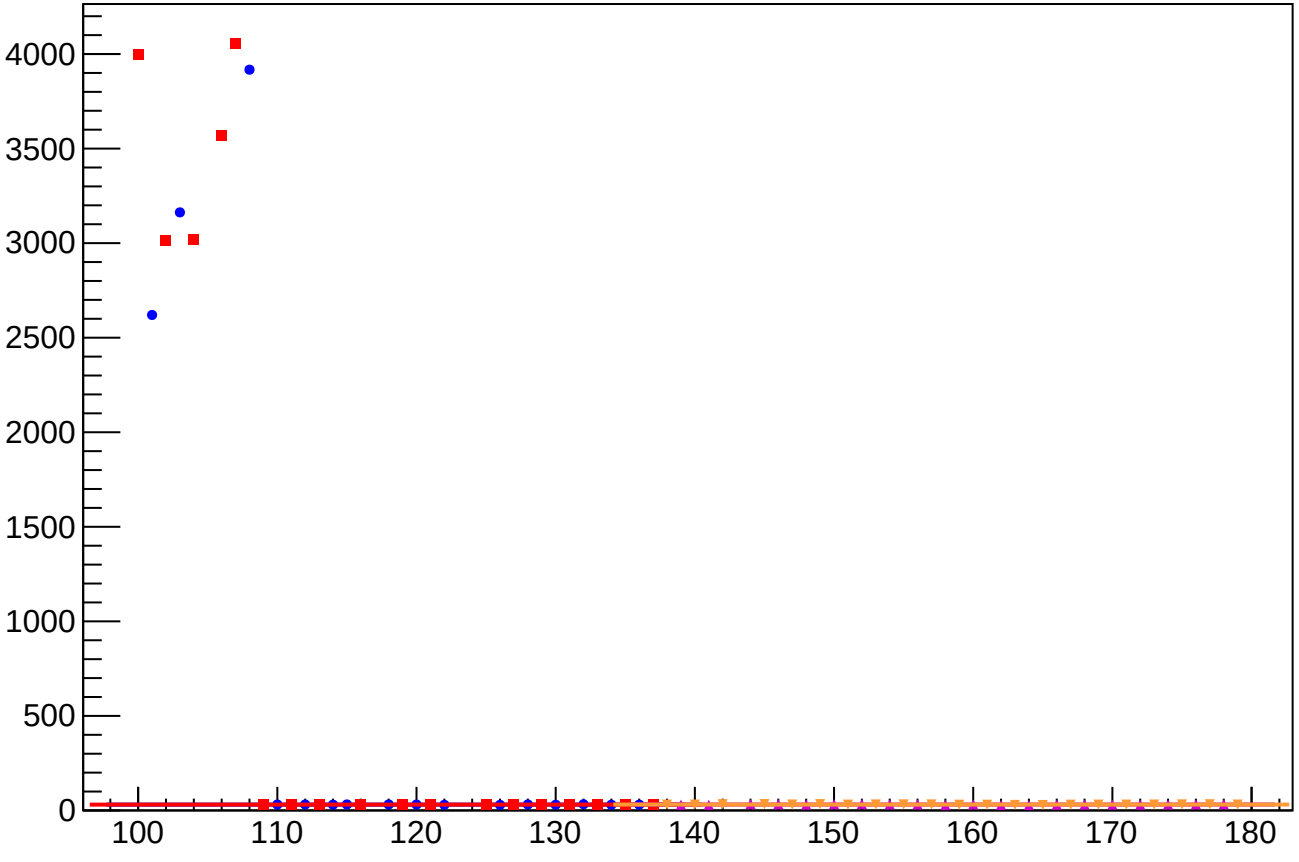
Left In: 4.689+/-7.777 χ^2/NDF:32.0/19

+ sign -8.344+/-6.606 χ^2/NDF: 38.0/36

All: -5.241+/-4.712 χ^2/NDF: 101.8/74

- sign -2.026+/-6.724 χ^2/NDF: 63.3/37

asym_bcm_cav4cQ_dg_ds_dd_rms vs Slug



Right In: 30.928+/-0.009 χ^2/NDF: 3252607.8/15

Left Out: 31.205+/-0.005 χ^2/NDF:46926.4/20

Right Out: 30.804+/-0.009 χ^2/NDF: 3535959.8/17

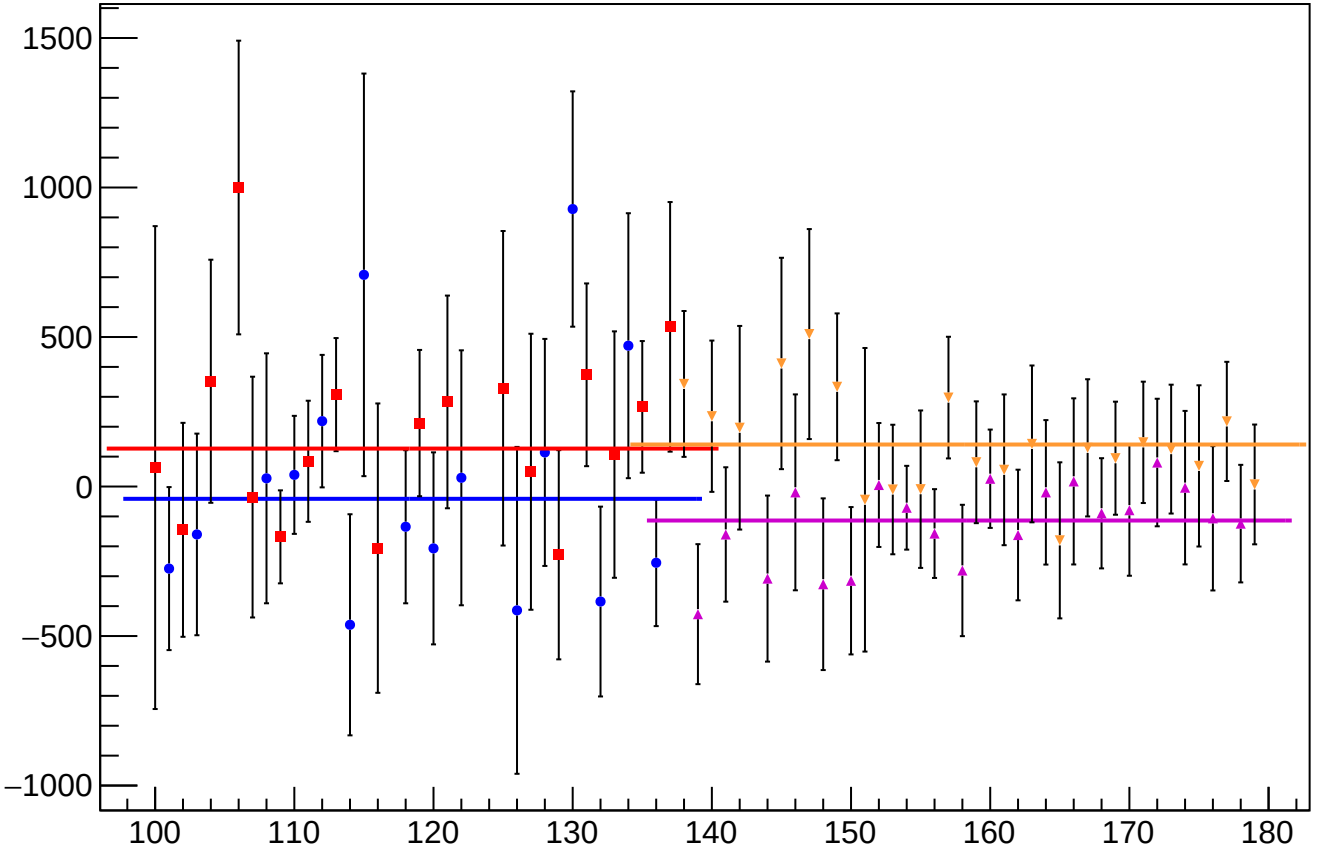
Left In: 31.346+/-0.005 χ^2/NDF:83916.4/19

+ sign 31.134+/-0.005 χ^2/NDF: 3300201.7/36

All: 31.171+/-0.003 χ^2/NDF: 6922653.7/74

- sign 31.209+/-0.005 χ^2/NDF: 3622326.1/37

asym_bcm_dg_us_an_us_avg_mean vs Slug



Right In: -41.114+/-77.139 χ^2/NDF: 15.6/15

Left Out: 140.488+/-52.465 χ^2/NDF:7.1/20

Right Out: 126.896+/-69.382 χ^2/NDF: 12.8/17

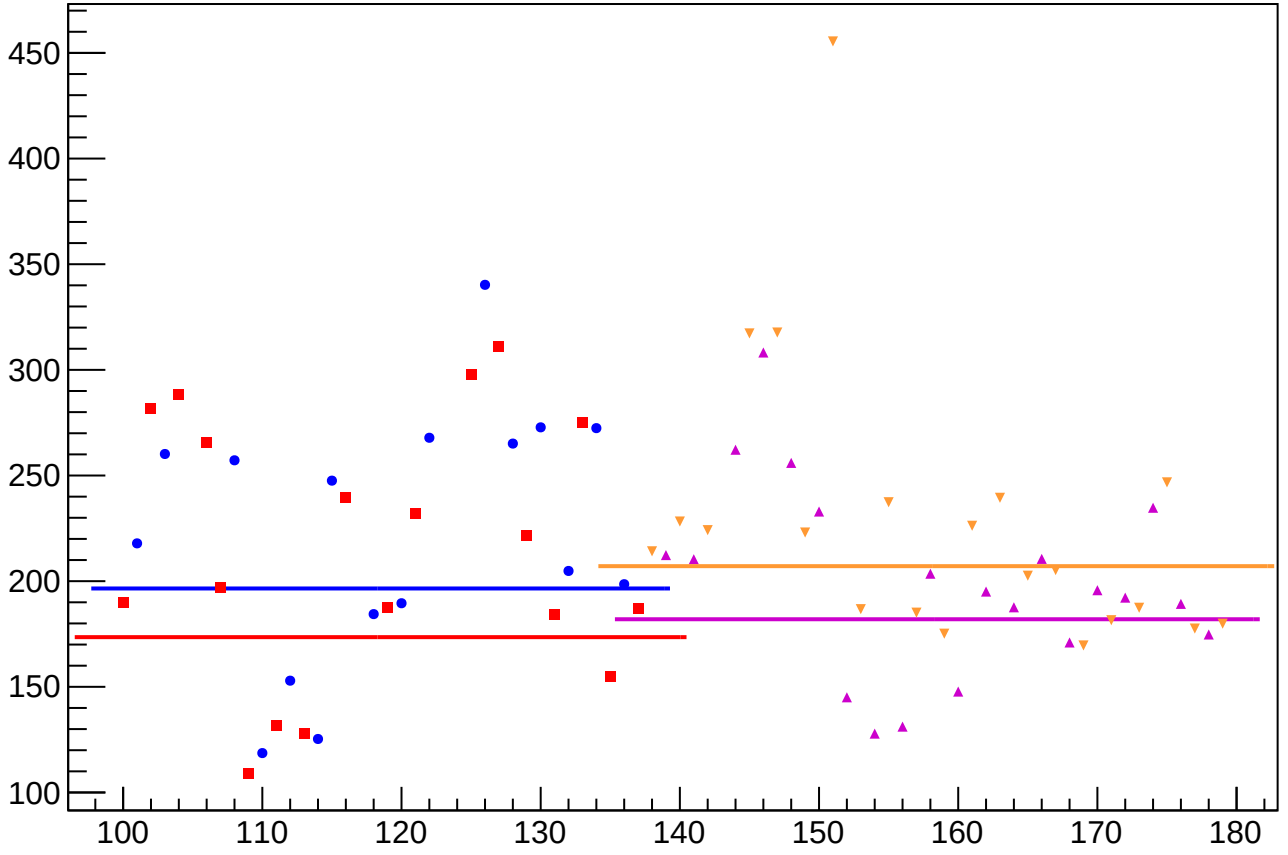
Left In: -113.669+/-47.258 χ^2/NDF:6.9/19

+ sign 83.051+/-43.382 χ^2/NDF: 26.5/36

All: 16.508+/-29.027 χ^2/NDF: 58.7/74

- sign -37.432+/-39.059 χ^2/NDF: 27.9/37

asym_bcm_dg_us_an_us_avg_rms vs Slug



Right In: 196.542+/-0.055 χ^2/NDF: 1000770.4/15

Left Out: 207.104+/-0.037 χ^2/NDF:1310906.8/20

Right Out: 173.509+/-0.049 χ^2/NDF: 1532720.5/17

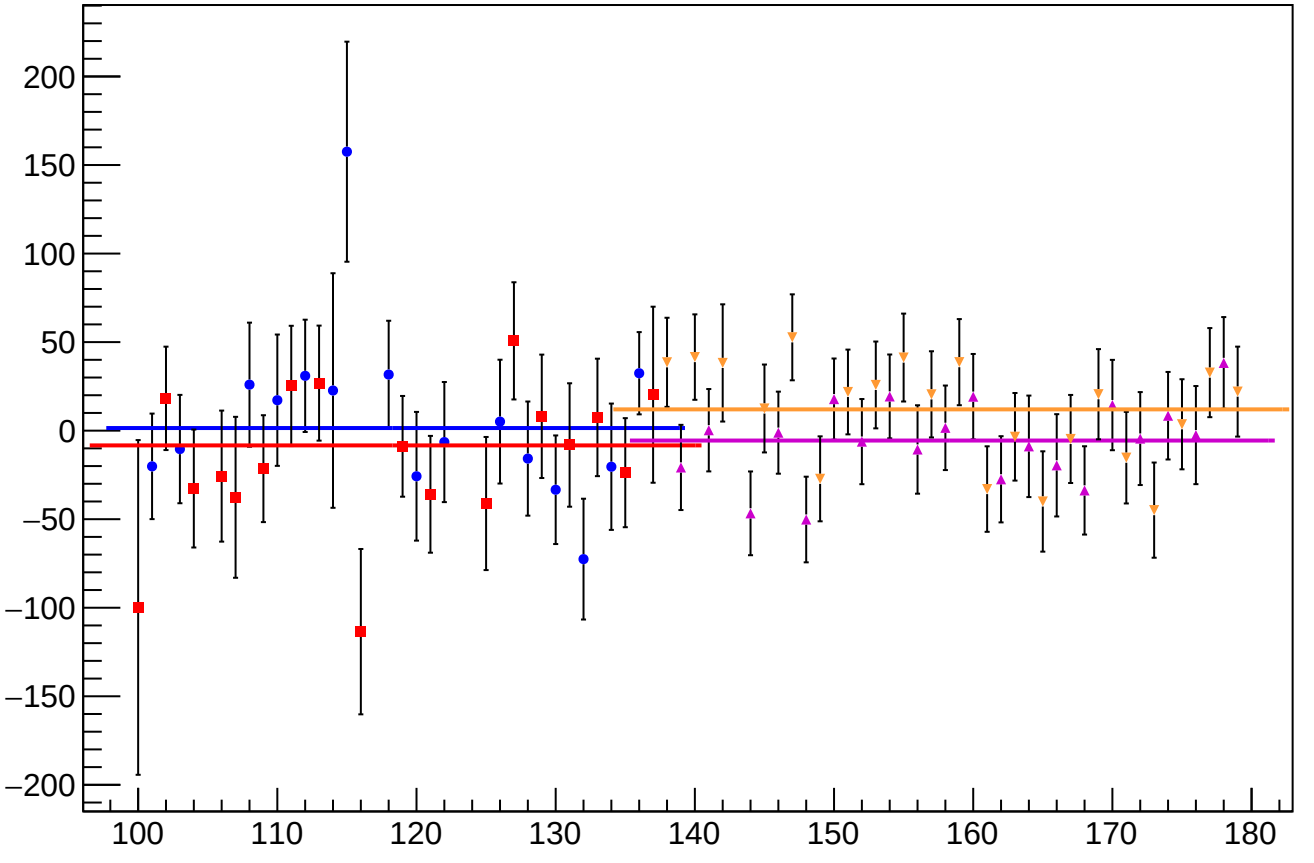
Left In: 181.980+/-0.033 χ^2/NDF:1588259.1/19

+ sign 203.764+/-0.031 χ^2/NDF: 2337314.1/36

All: 190.250+/-0.021 χ^2/NDF: 5830045.1/74

- sign 179.296+/-0.028 χ^2/NDF: 3141344.3/37

asym_bcm_dg_us_an_us_dd_mean vs Slug



Right In: 1.475+/-8.370 χ^2/NDF: 18.7/15

Left Out: 12.017+/-5.505 χ^2/NDF:26.3/20

Right Out: -8.329+/-8.286 χ^2/NDF: 16.0/17

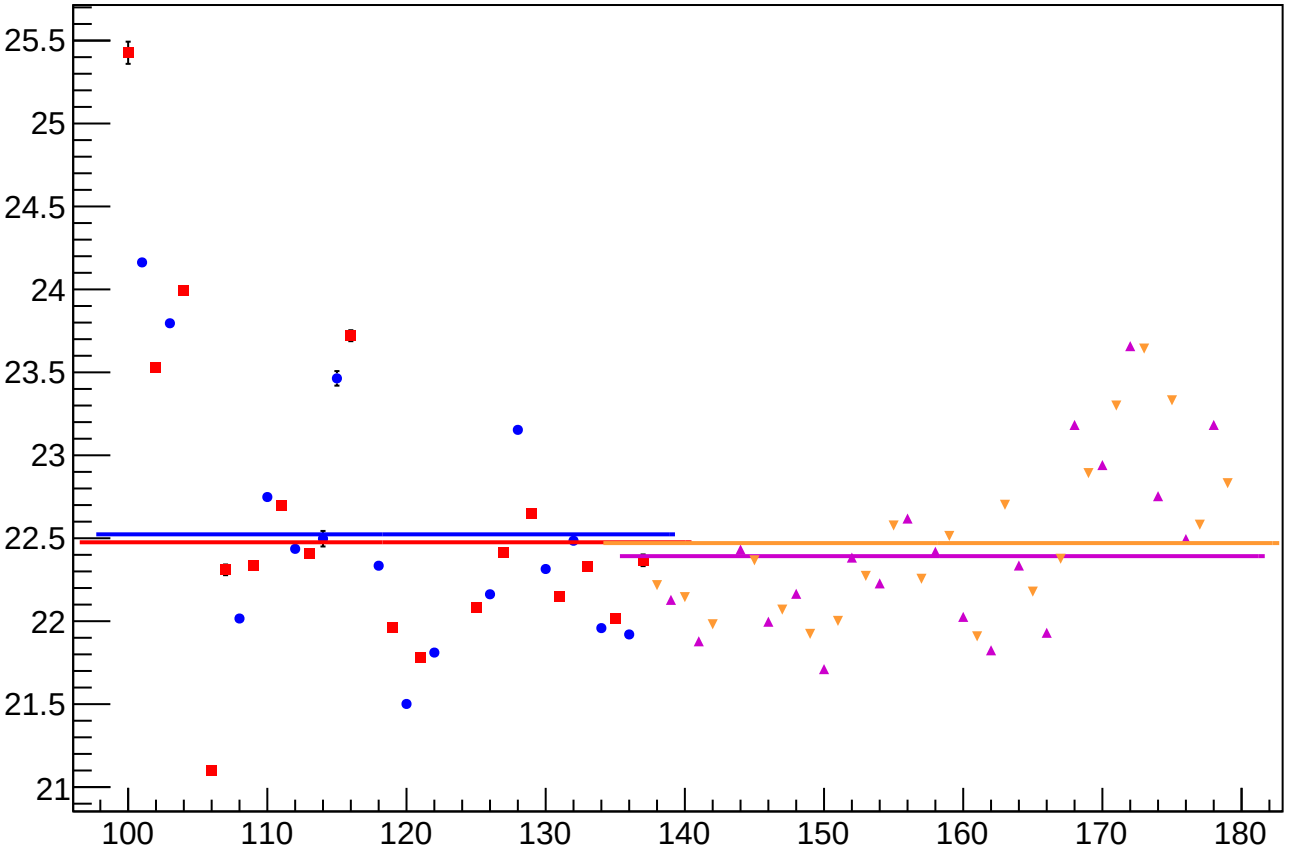
Left In: -5.583+/-5.541 χ^2/NDF:16.4/19

+ sign 8.834+/-4.600 χ^2/NDF: 46.0/36

All: 1.211+/-3.255 χ^2/NDF: 84.1/74

- sign -6.432+/-4.606 χ^2/NDF: 32.5/37

asym_bcm_dg_us_an_us_dd_rms vs Slug



Right In: 22.524+/-0.006 χ^2/NDF: 15947.8/15

Left Out: 22.471+/-0.004 χ^2/NDF:14369.6/20

Right Out: 22.476+/-0.006 χ^2/NDF: 15536.6/17

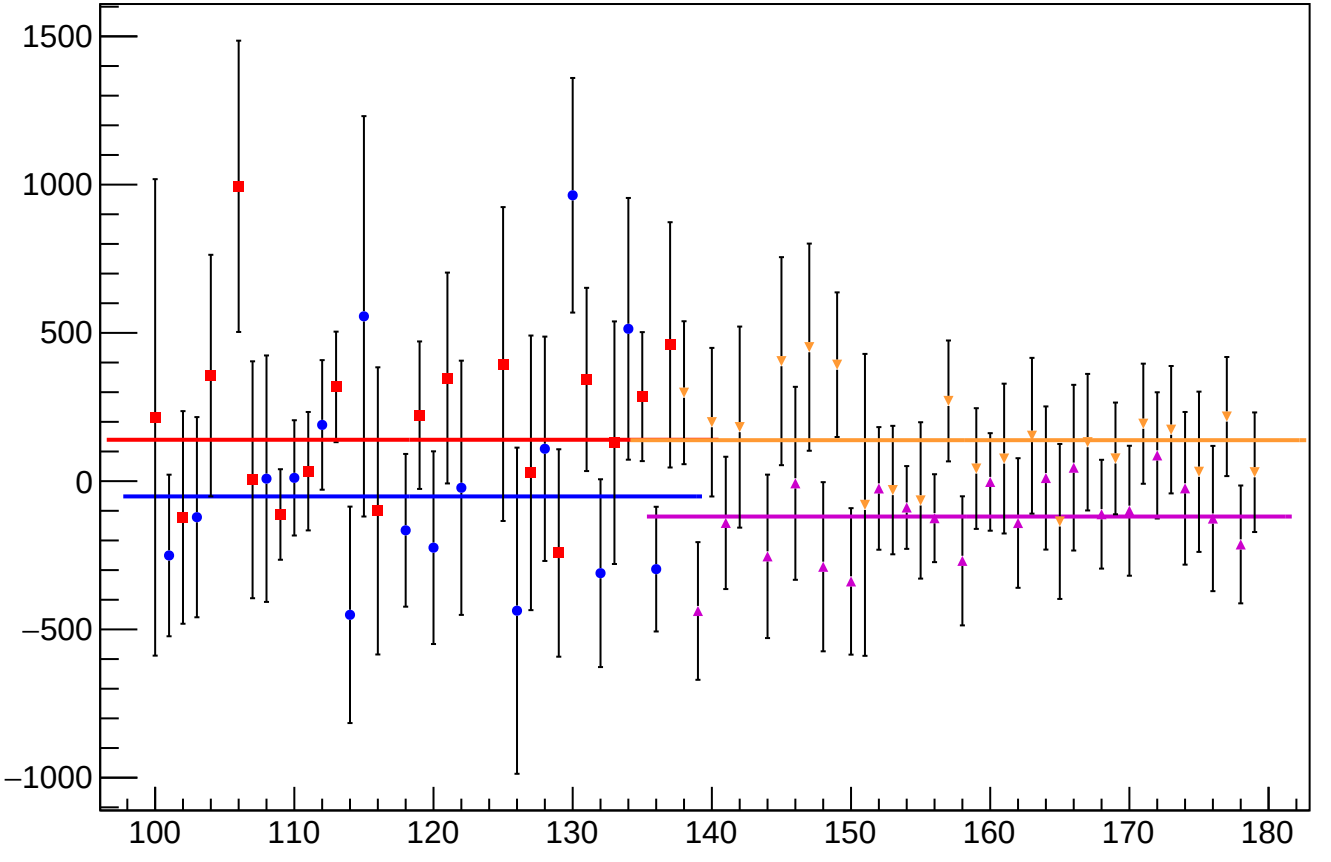
Left In: 22.392+/-0.004 χ^2/NDF:15991.4/19

+ sign 22.487+/-0.003 χ^2/NDF: 30372.9/36

All: 22.452+/-0.002 χ^2/NDF: 62264.7/74

- sign 22.418+/-0.003 χ^2/NDF: 31668.4/37

asym_bcm_dg_ds_an_us_avg_mean vs Slug



Right In: -51.492+/-76.798 χ^2/NDF: 15.3/15

Left Out: 138.159+/-52.435 χ^2/NDF:7.0/20

Right Out: 139.546+/-68.888 χ^2/NDF: 11.6/17

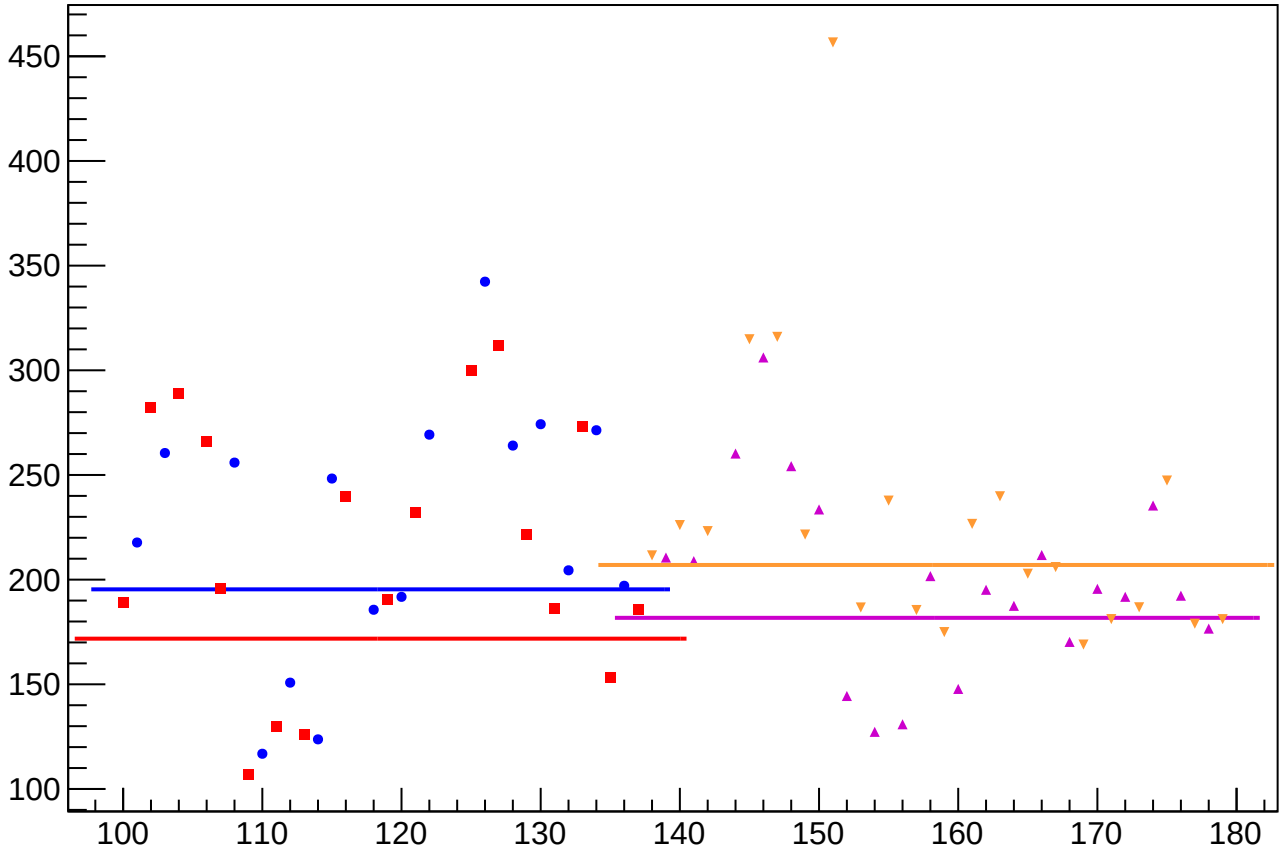
Left In: -119.348+/-47.203 χ^2/NDF:6.6/19

+ sign 77.859+/-43.304 χ^2/NDF: 26.5/36

All: 14.553+/-28.955 χ^2/NDF: 58.1/74

- sign -36.631+/-38.939 χ^2/NDF: 27.7/37

asym_bcm_dg_ds_an_us_avg_rms vs Slug



Right In: 195.361+/-0.054 χ^2/NDF: 1041432.1/15

Left Out: 207.008+/-0.037 χ^2/NDF:1297177.6/20

Right Out: 171.805+/-0.049 χ^2/NDF: 1600663.6/17

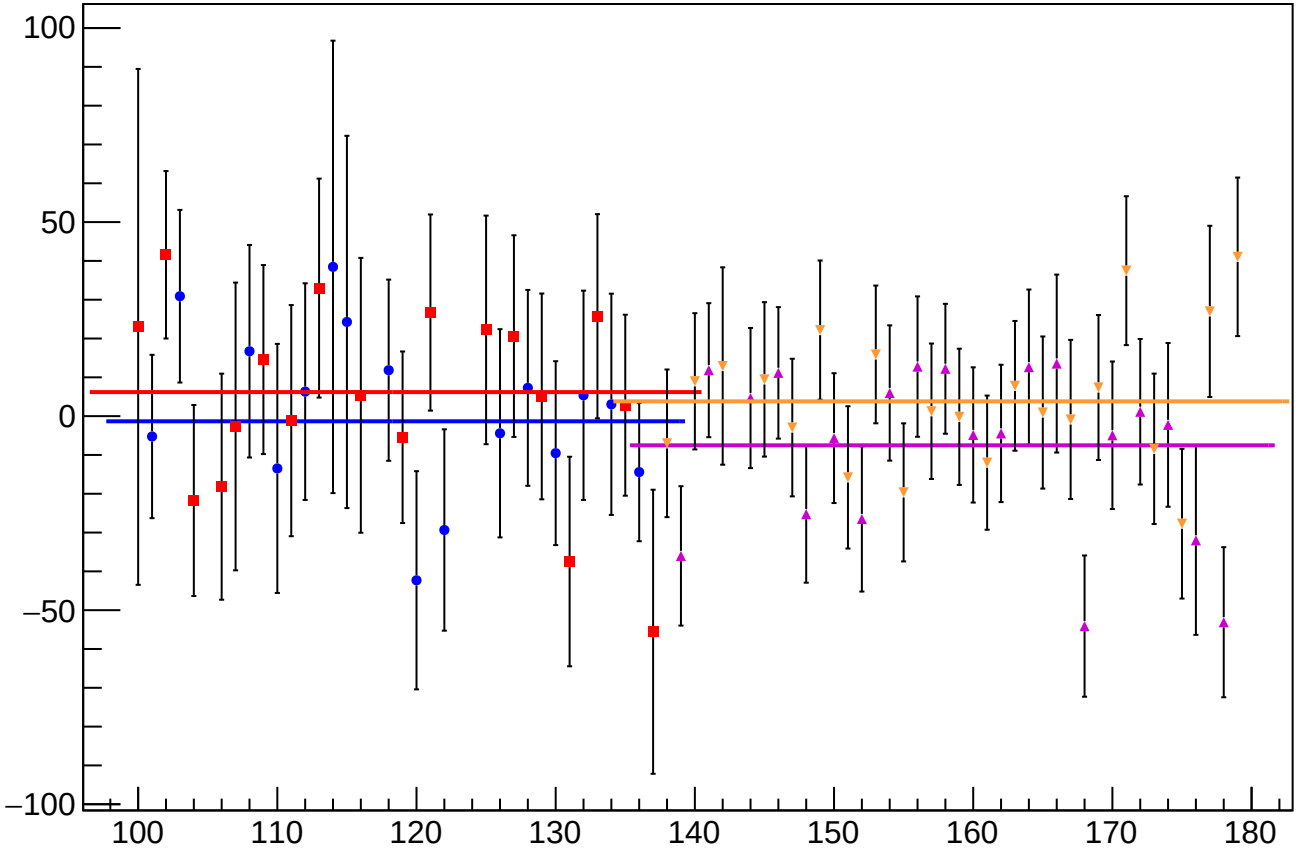
Left In: 181.753+/-0.033 χ^2/NDF:1582483.6/19

+ sign 203.305+/-0.031 χ^2/NDF: 2369986.6/36

All: 189.631+/-0.020 χ^2/NDF: 5942187.0/74

- sign 178.574+/-0.028 χ^2/NDF: 3211526.7/37

asym_bcm_dg_ds_an_us_dd_mean vs Slug



Right In: -1.331+/-6.499 χ^2/NDF: 8.0/15

Left Out: 3.807+/-4.100 χ^2/NDF:16.8/20

Right Out: 6.195+/-6.473 χ^2/NDF: 13.5/17

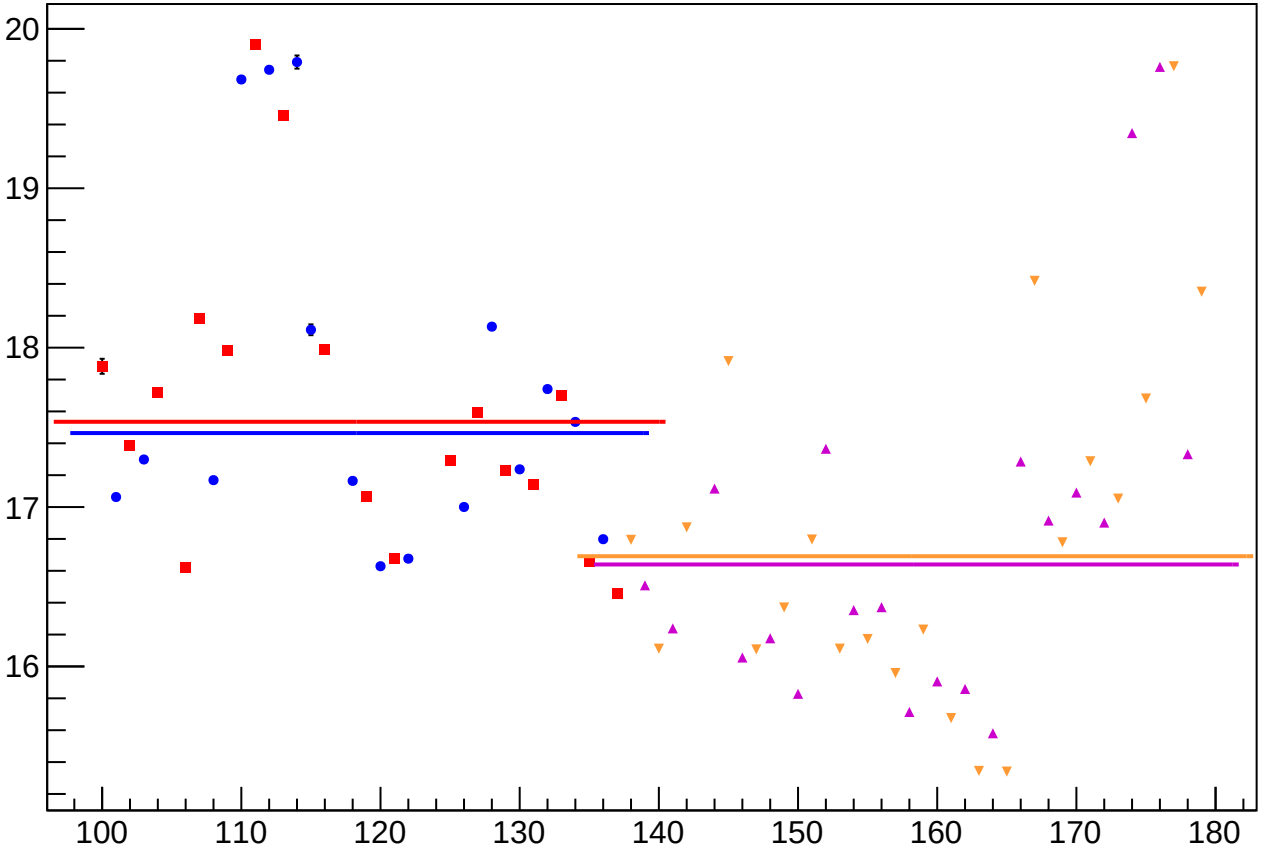
Left In: -7.516+/-4.128 χ^2/NDF:26.1/19

+ sign 2.345+/-3.467 χ^2/NDF: 25.3/36

All: -0.592+/-2.456 χ^2/NDF: 69.4/74

- sign -3.551+/-3.480 χ^2/NDF: 42.7/37

asym_bcm_dg_ds_an_us_dd_rms vs Slug



Right In: 17.464+/-0.005 χ^2/NDF: 36650.1/15

Left Out: 16.692+/-0.003 χ^2/NDF:125099.7/20

Right Out: 17.535+/-0.005 χ^2/NDF: 34475.1/17

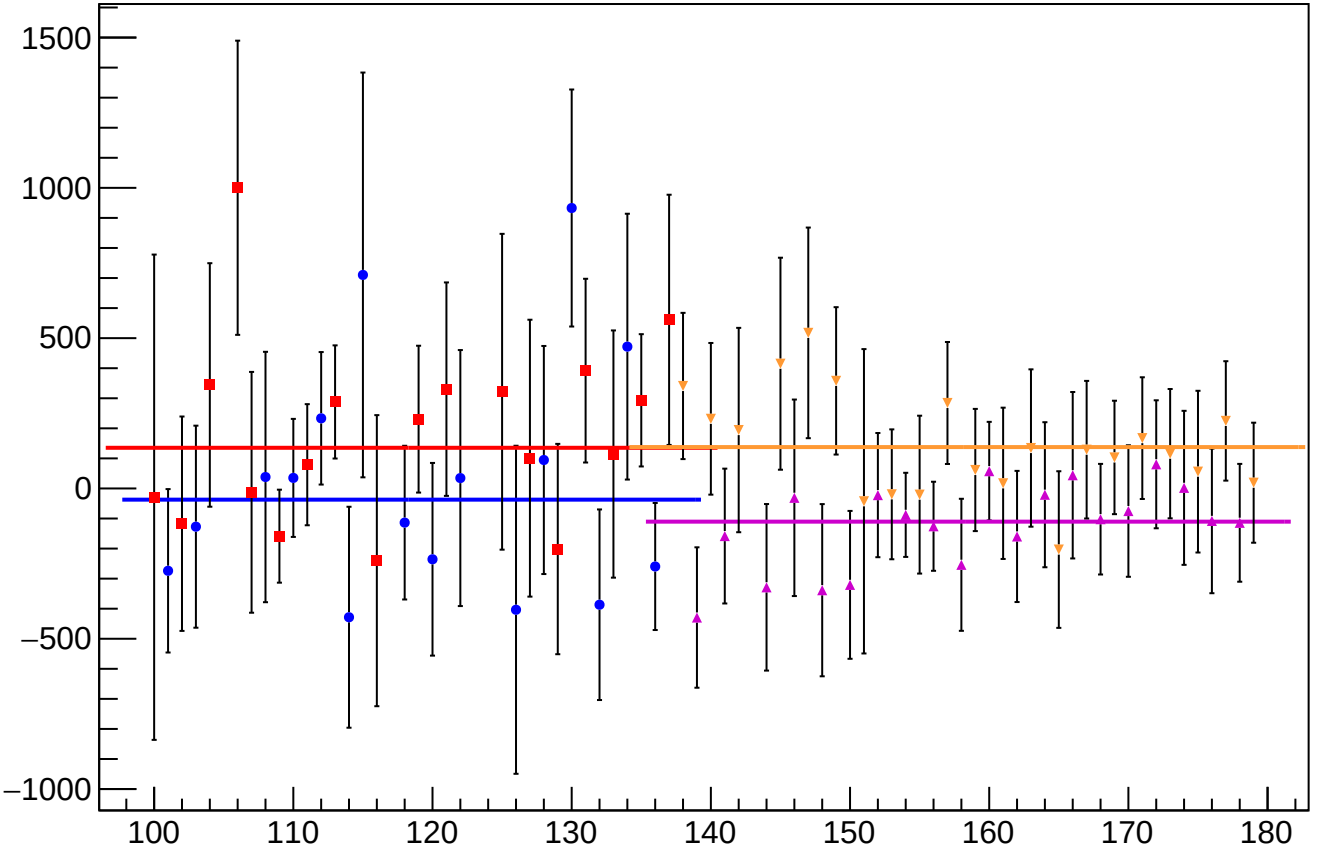
Left In: 16.640+/-0.003 χ^2/NDF:106070.4/19

+ sign 16.911+/-0.002 χ^2/NDF: 181972.9/36

All: 16.905+/-0.002 χ^2/NDF: 349730.6/74

- sign 16.899+/-0.002 χ^2/NDF: 167743.9/37

asym_bcm_dg_us_an_ds_avg_mean vs Slug



Right In: -37.241+/-76.915 χ^2/NDF: 15.6/15

Left Out: 137.632+/-52.344 χ^2/NDF:7.8/20

Right Out: 135.279+/-69.157 χ^2/NDF: 12.8/17

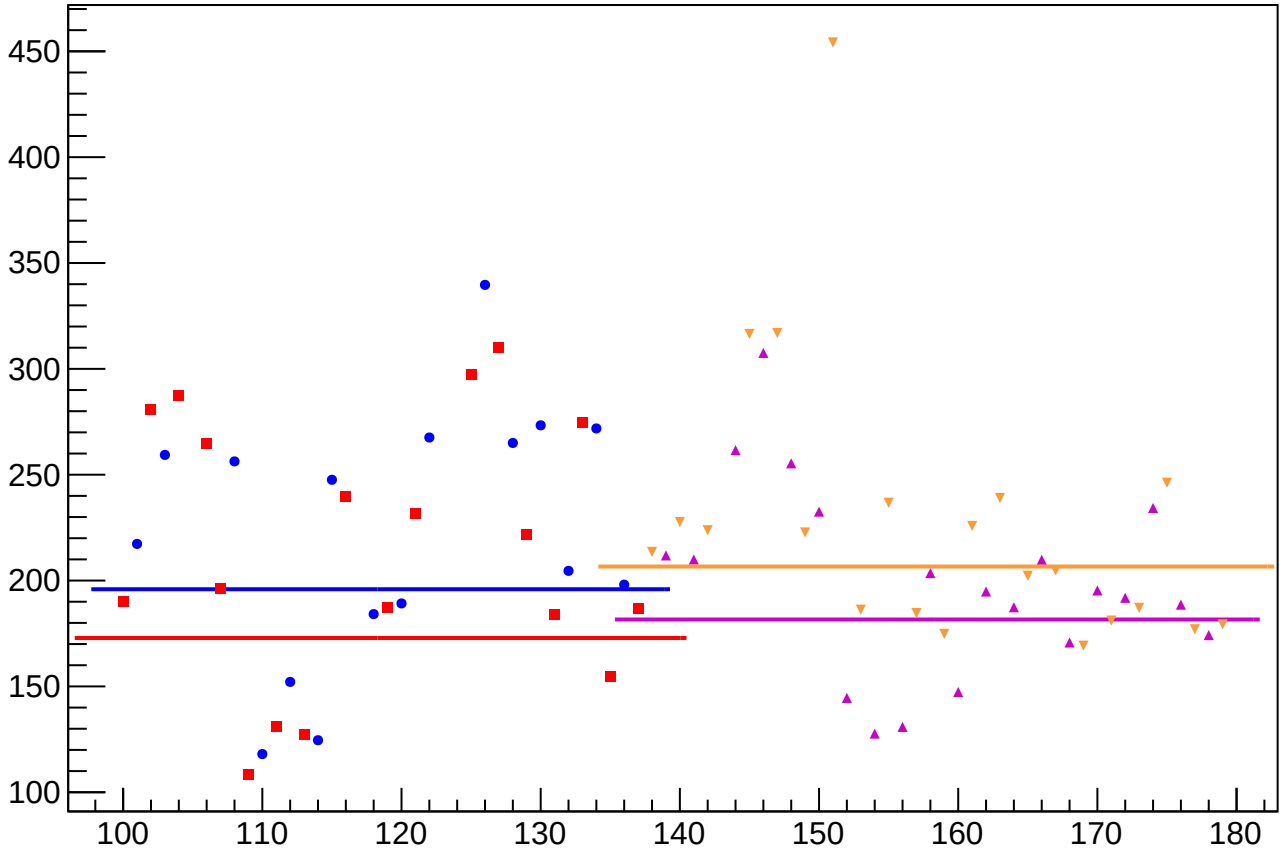
Left In: -110.432+/-47.161 χ^2/NDF:7.2/19

+ sign 82.278+/-43.274 χ^2/NDF: 27.0/36

All: 18.924+/-28.956 χ^2/NDF: 59.5/74

- sign -32.438+/-38.963 χ^2/NDF: 28.6/37

asym_bcm_dg_us_an_ds_avg_rms vs Slug



Right In: 195.900+/-0.054 χ^2/NDF: 1011012.3/15

Left Out: 206.626+/-0.037 χ^2/NDF:1311537.4/20

Right Out: 172.873+/-0.049 χ^2/NDF: 1543258.3/17

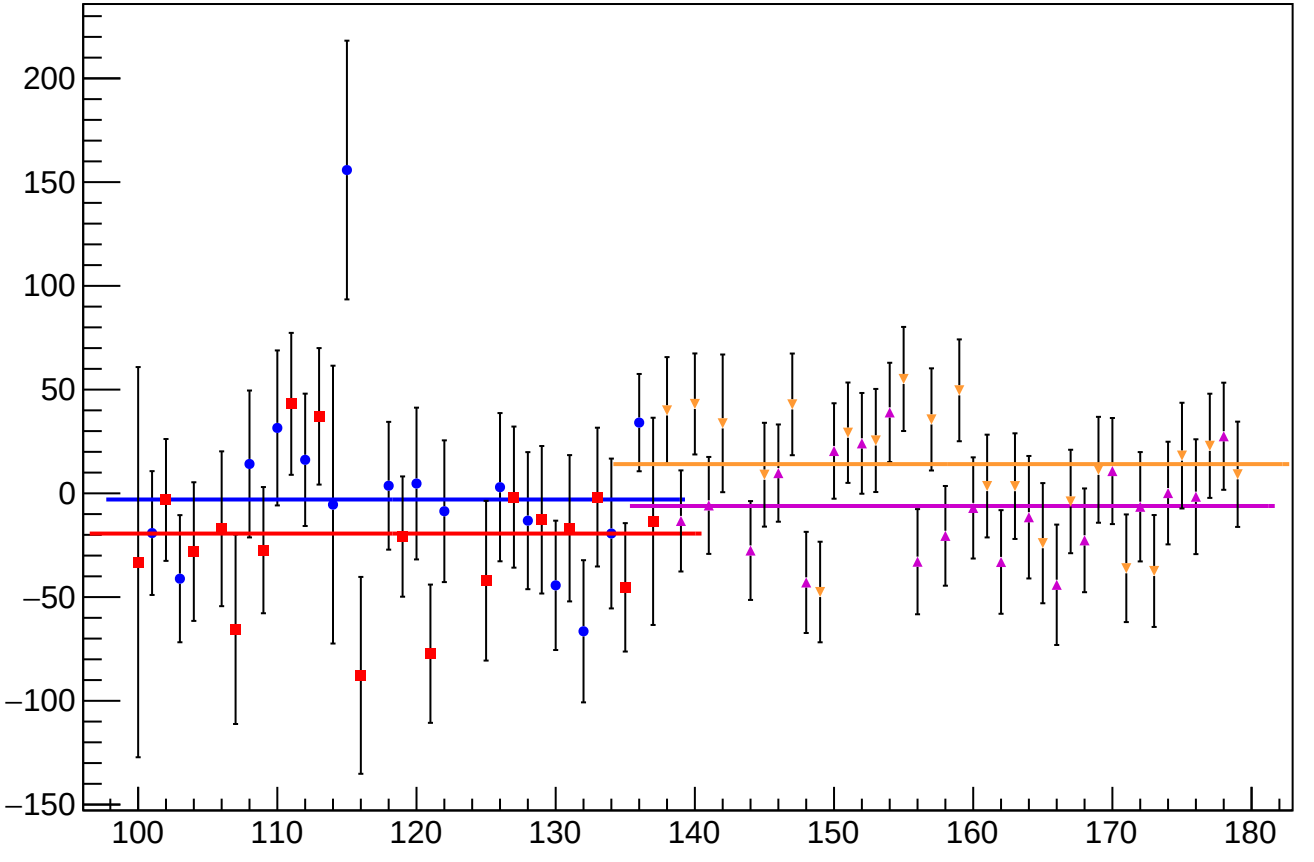
Left In: 181.606+/-0.033 χ^2/NDF:1588250.9/19

+ sign 203.231+/-0.031 χ^2/NDF: 2349133.5/36

All: 189.757+/-0.020 χ^2/NDF: 5853478.1/74

- sign 178.834+/-0.028 χ^2/NDF: 3153280.2/37

asym_bcm_dg_us_an_ds_dd_mean vs Slug



Right In: -2.967+/-8.454 χ^2/NDF: 17.9/15

Left Out: 14.089+/-5.559 χ^2/NDF:27.0/20

Right Out: -19.387+/-8.381 χ^2/NDF: 14.5/17

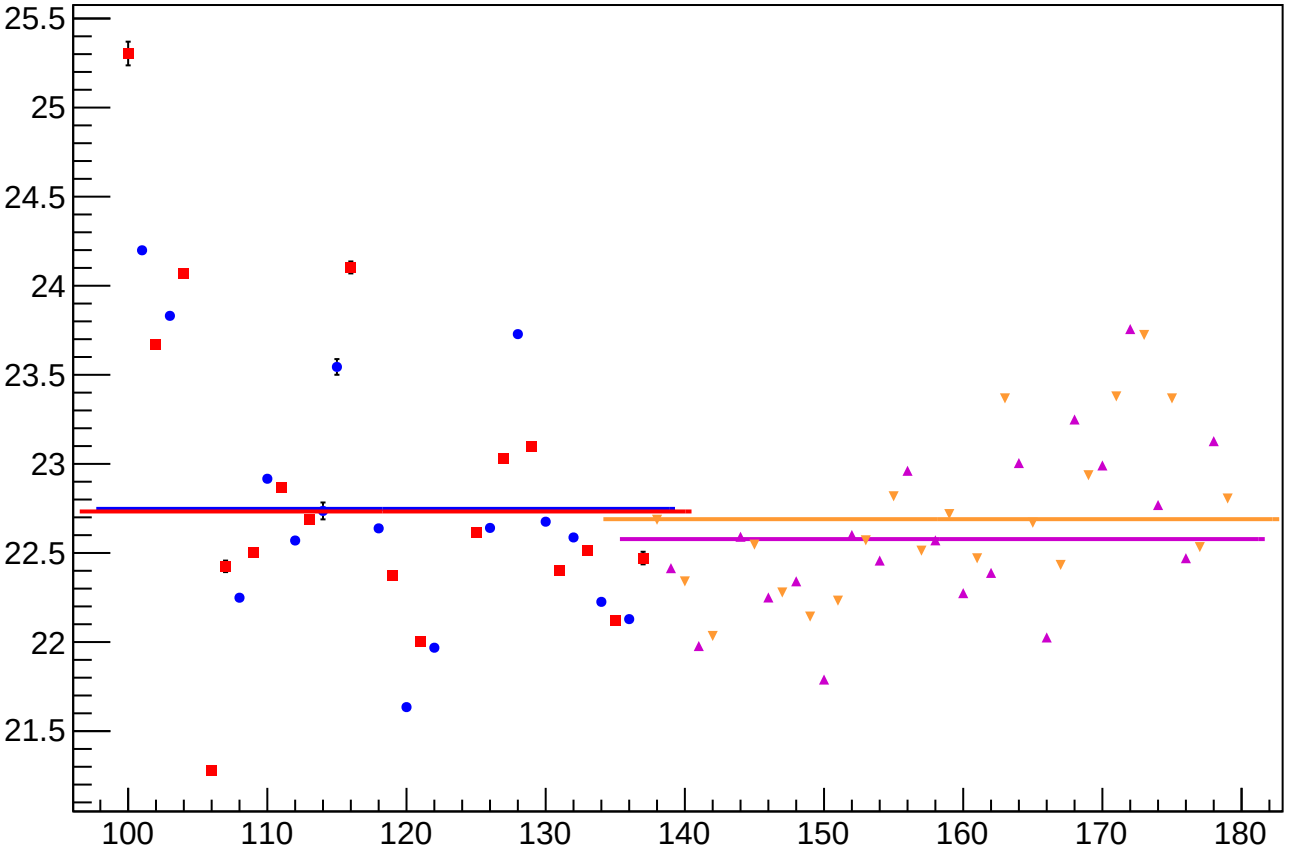
Left In: -6.098+/-5.587 χ^2/NDF:17.1/19

+ sign 8.940+/-4.645 χ^2/NDF: 47.8/36

All: -0.615+/-3.286 χ^2/NDF: 89.6/74

- sign -10.187+/-4.649 χ^2/NDF: 33.4/37

asym_bcm_dg_us_an_ds_dd_rms vs Slug



Right In: 22.747+/-0.006 χ^2/NDF: 14622.8/15

Left Out: 22.690+/-0.004 χ^2/NDF:11621.6/20

Right Out: 22.733+/-0.006 χ^2/NDF: 14389.6/17

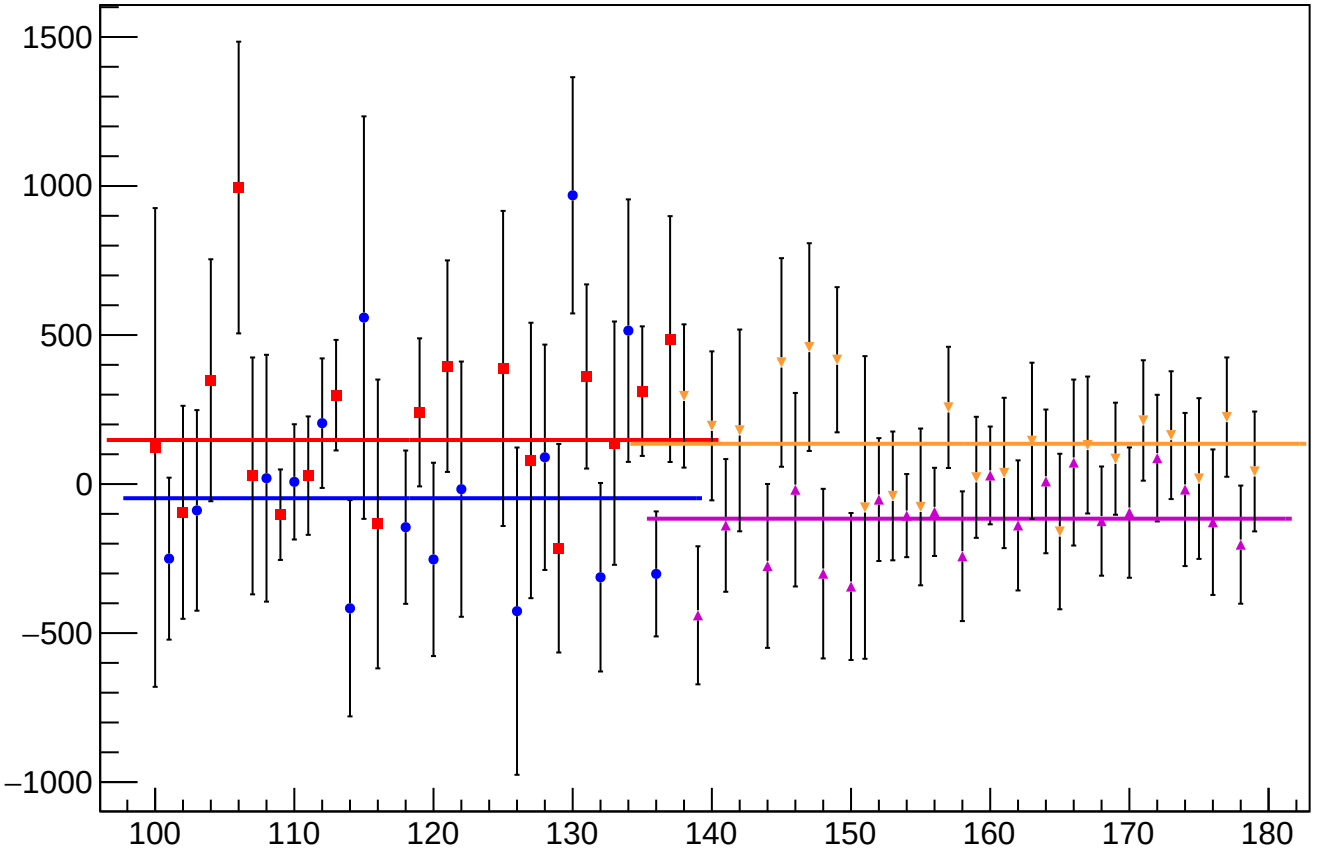
Left In: 22.578+/-0.004 χ^2/NDF:13440.5/19

\+ sign 22.707+/-0.003 χ^2/NDF: 26309.5/36

All: 22.666+/-0.002 χ^2/NDF: 54921.3/74

\- sign 22.626+/-0.003 χ^2/NDF: 28303.8/37

asym_bcm_dg_ds_an_ds_avg_mean vs Slug



Right In: -47.523+/-76.571 χ^2/NDF: 15.4/15

Left Out: 135.223+/-52.314 χ^2/NDF:7.8/20

Right Out: 147.812+/-68.660 χ^2/NDF: 11.5/17

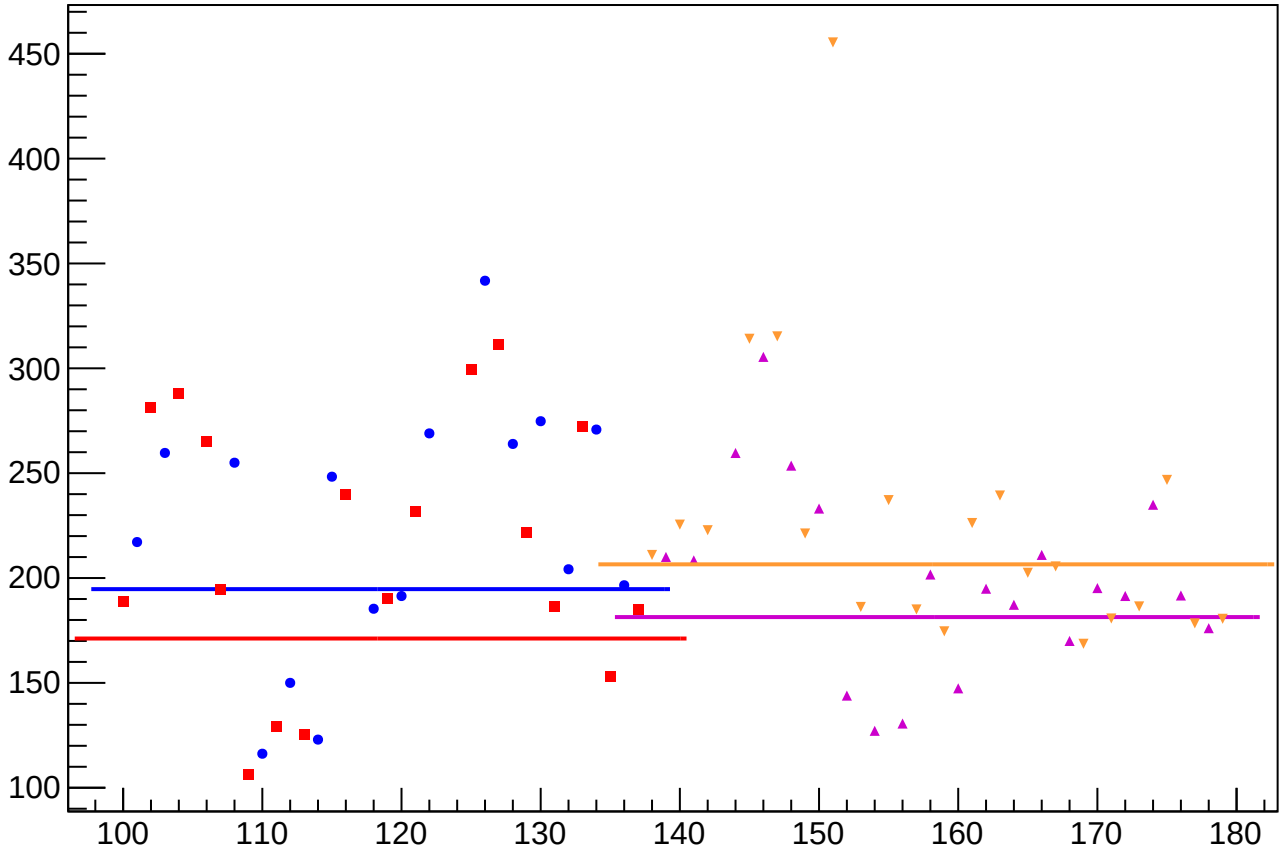
Left In: -116.193+/-47.106 χ^2/NDF:6.9/19

+ sign 77.067+/-43.195 χ^2/NDF: 27.0/36

All: 16.931+/-28.883 χ^2/NDF: 59.0/74

- sign -31.697+/-38.843 χ^2/NDF: 28.5/37

asym_bcm_dg_ds_an_ds_avg_rms vs Slug



Right In: 194.708+/-0.054 χ^2/NDF: 1052288.9/15

Left Out: 206.530+/-0.037 χ^2/NDF:1297767.0/20

Right Out: 171.156+/-0.049 χ^2/NDF: 1611935.6/17

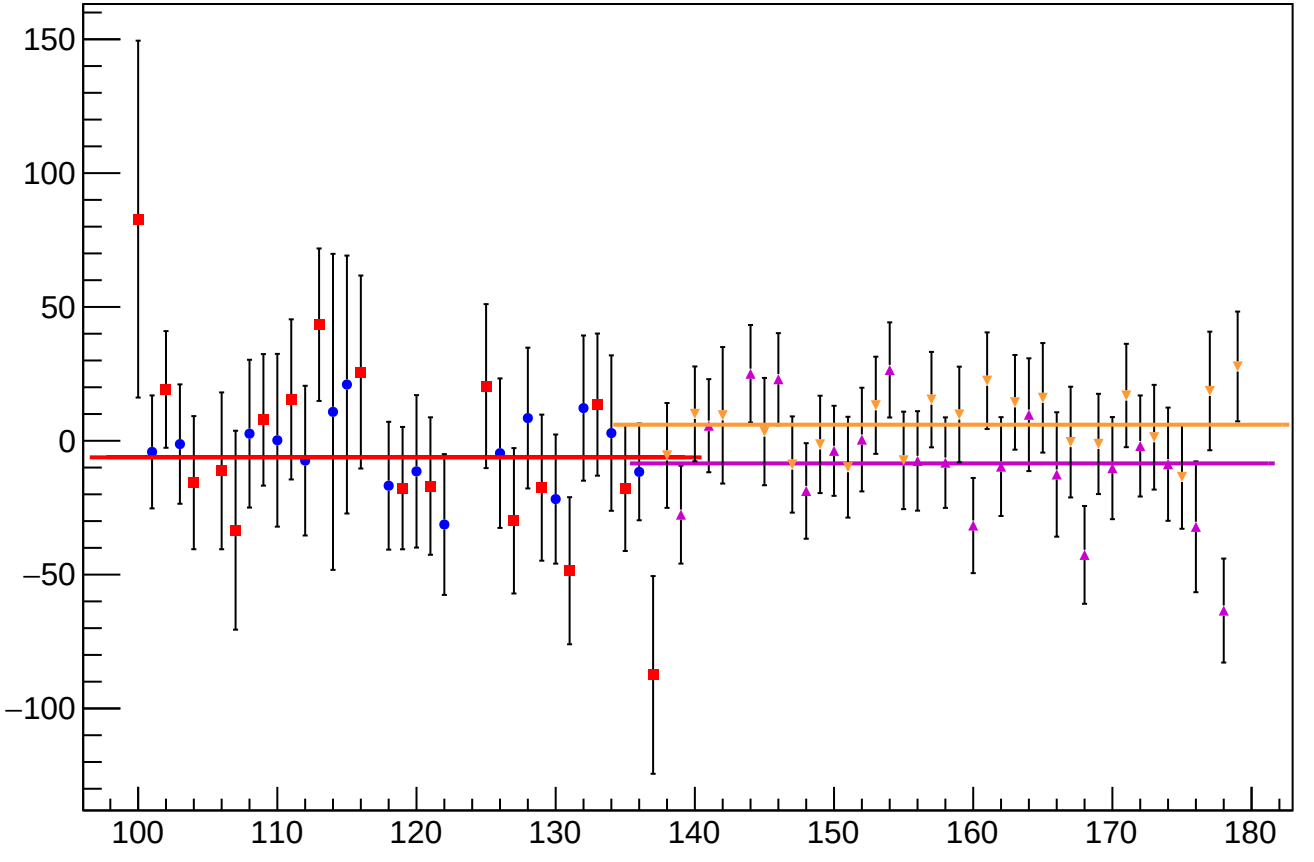
Left In: 181.382+/-0.033 χ^2/NDF:1582248.5/19

+ sign 202.768+/-0.031 χ^2/NDF: 2382558.6/36

All: 189.134+/-0.020 χ^2/NDF: 5967272.1/74

- sign 178.109+/-0.027 χ^2/NDF: 3224346.5/37

asym_bcm_dg_ds_an_ds_dd_mean vs Slug



Right In: -6.119+/-6.592 χ^2/NDF: 3.1/15

Left Out: 6.013+/-4.177 χ^2/NDF:7.4/20

Right Out: -6.195+/-6.580 χ^2/NDF: 18.6/17

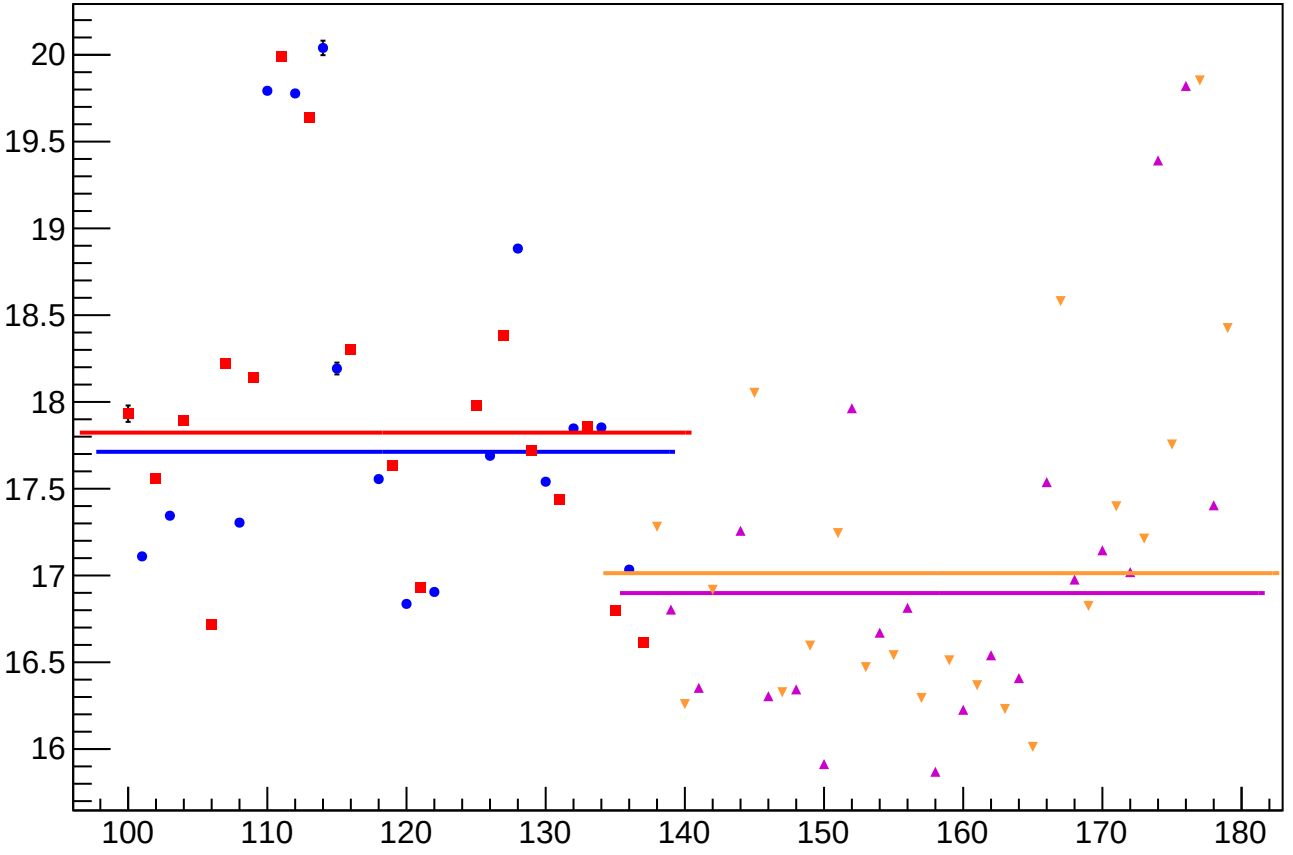
Left In: -8.446+/-4.192 χ^2/NDF:28.0/19

+ sign 2.537+/-3.529 χ^2/NDF: 12.9/36

All: -2.619+/-2.498 χ^2/NDF: 63.9/74

- sign -7.796+/-3.536 χ^2/NDF: 46.7/37

asym_bcm_dg_ds_an_ds_dd_rms vs Slug



Right In: 17.713+/-0.005 χ^2/NDF: 35983.5/15

Left Out: 17.013+/-0.003 χ^2/NDF:90827.5/20

Right Out: 17.823+/-0.005 χ^2/NDF: 32502.9/17

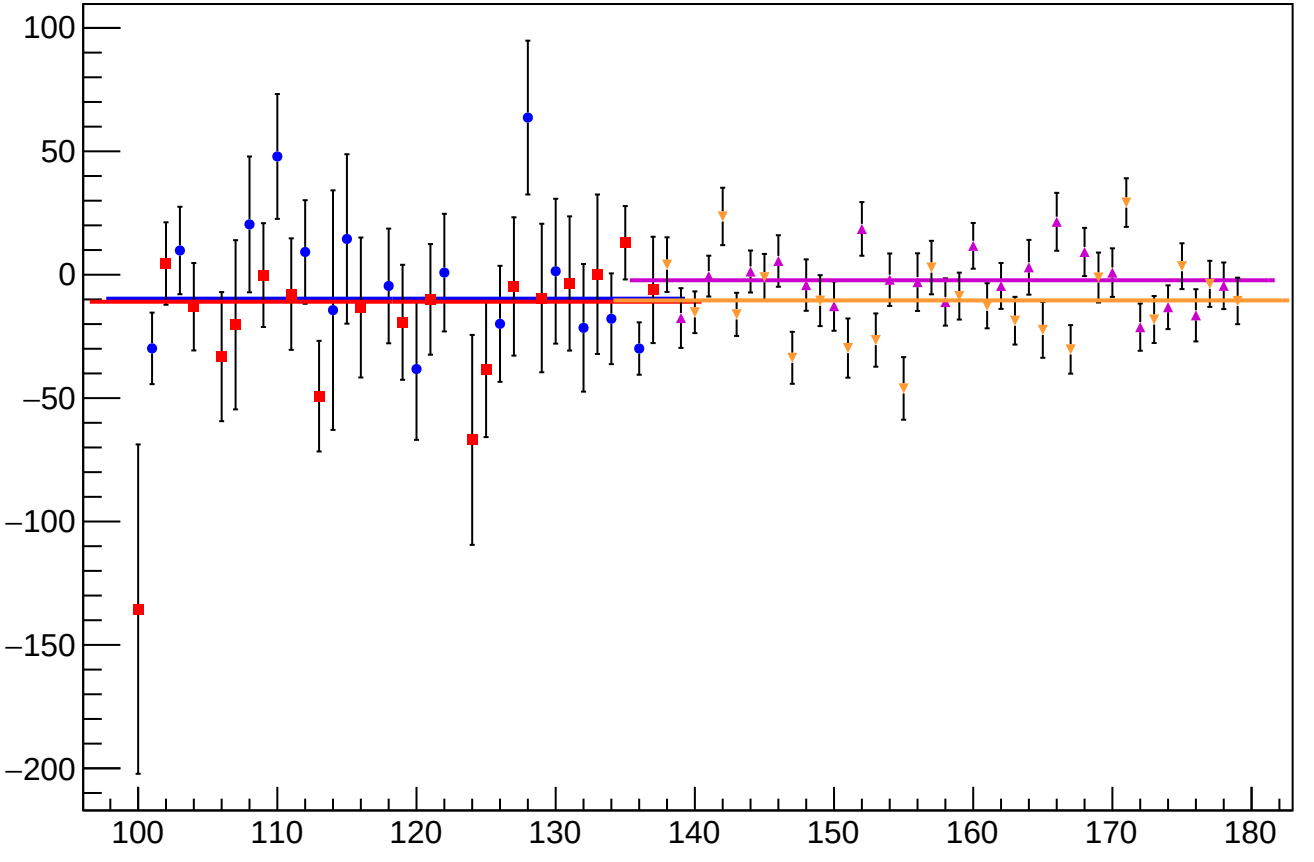
Left In: 16.899+/-0.003 χ^2/NDF:92225.0/19

+ sign 17.214+/-0.002 χ^2/NDF: 142862.8/36

All: 17.190+/-0.002 χ^2/NDF: 295856.1/74

- sign 17.166+/-0.003 χ^2/NDF: 152807.2/37

diff_bpm_4aX_4acX_avg_mean vs Slug



Right In: -9.702+/-5.231 χ^2/NDF: 22.0/15

Left Out: -10.411+/-2.133 χ^2/NDF:57.5/21

Right Out: -10.938+/-5.436 χ^2/NDF: 14.1/18

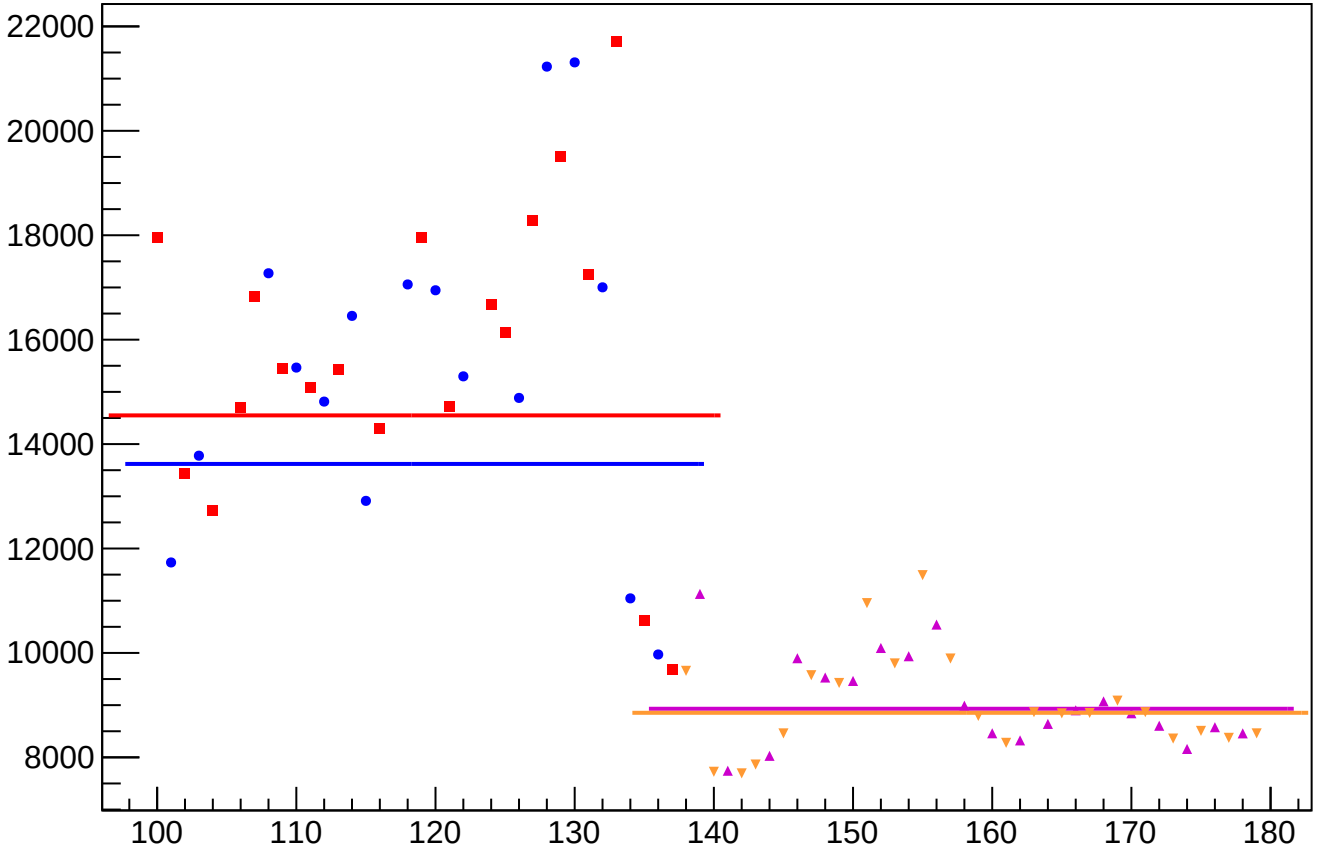
Left In: -2.250+/-2.223 χ^2/NDF:23.4/19

+ sign -10.310+/-1.975 χ^2/NDF: 79.6/37

All: -7.042+/-1.425 χ^2/NDF: 125.0/76

- sign -3.495+/-2.057 χ^2/NDF: 39.7/38

diff_bpm_4aX_4acX_avg_rms vs Slug



Right In: 13619.845+/-3.699 χ^2/NDF: 746985.9/15

Left Out: 8853.444+/-1.508 χ^2/NDF:318186.3/21

Right Out: 14549.658+/-3.844 χ^2/NDF: 555902.2/18

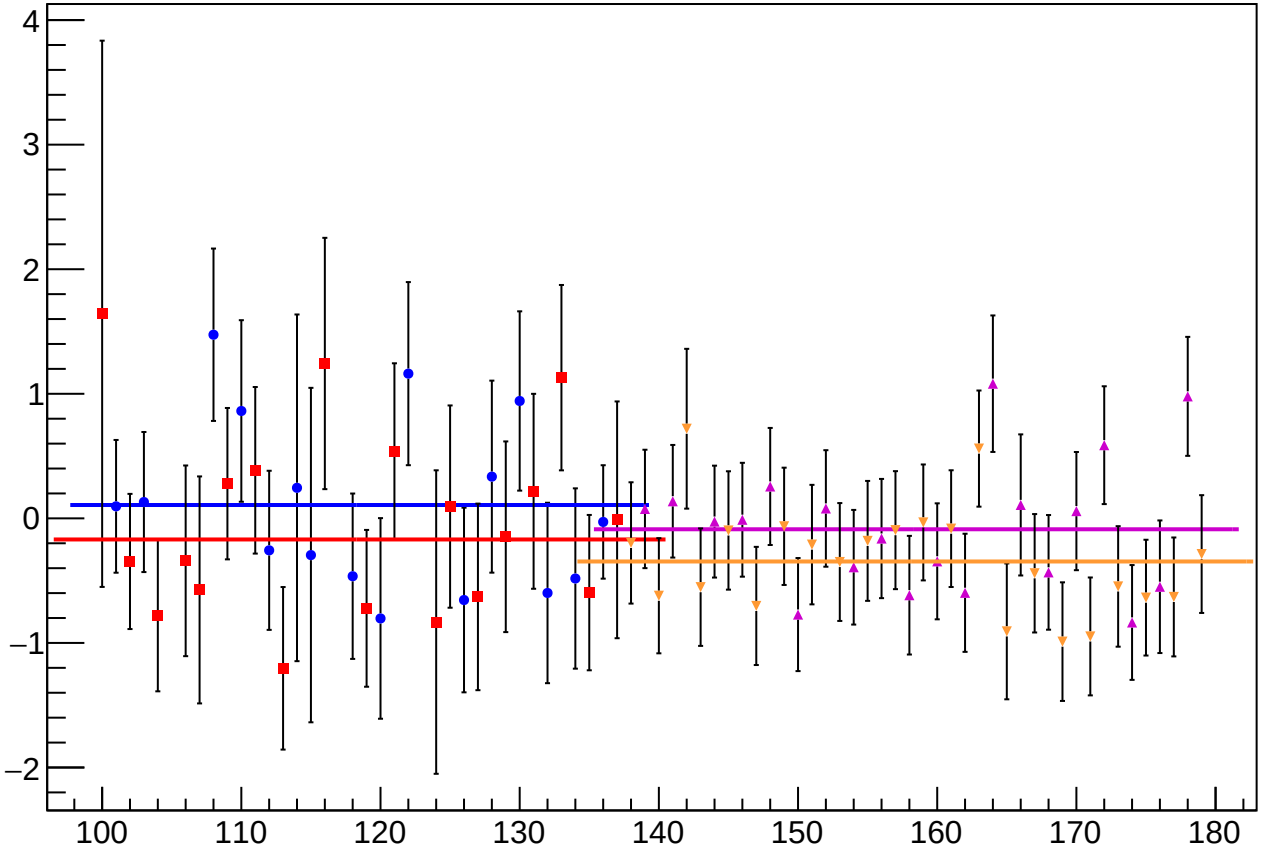
Left In: 8930.647+/-1.572 χ^2/NDF:278513.2/19

+ sign 9532.726+/-1.396 χ^2/NDF: 2488820.1/37

All: 9629.954+/-1.007 χ^2/NDF: 5164066.1/76

- sign 9735.473+/-1.455 χ^2/NDF: 2665137.6/38

diff_bpm_4aX_4acX_dd_mean vs Slug



Right In: 0.107+/-0.172 χ^2/NDF: 13.7/15

Left Out: -0.346+/-0.103 χ^2/NDF:15.1/21

Right Out: -0.169+/-0.169 χ^2/NDF: 14.1/18

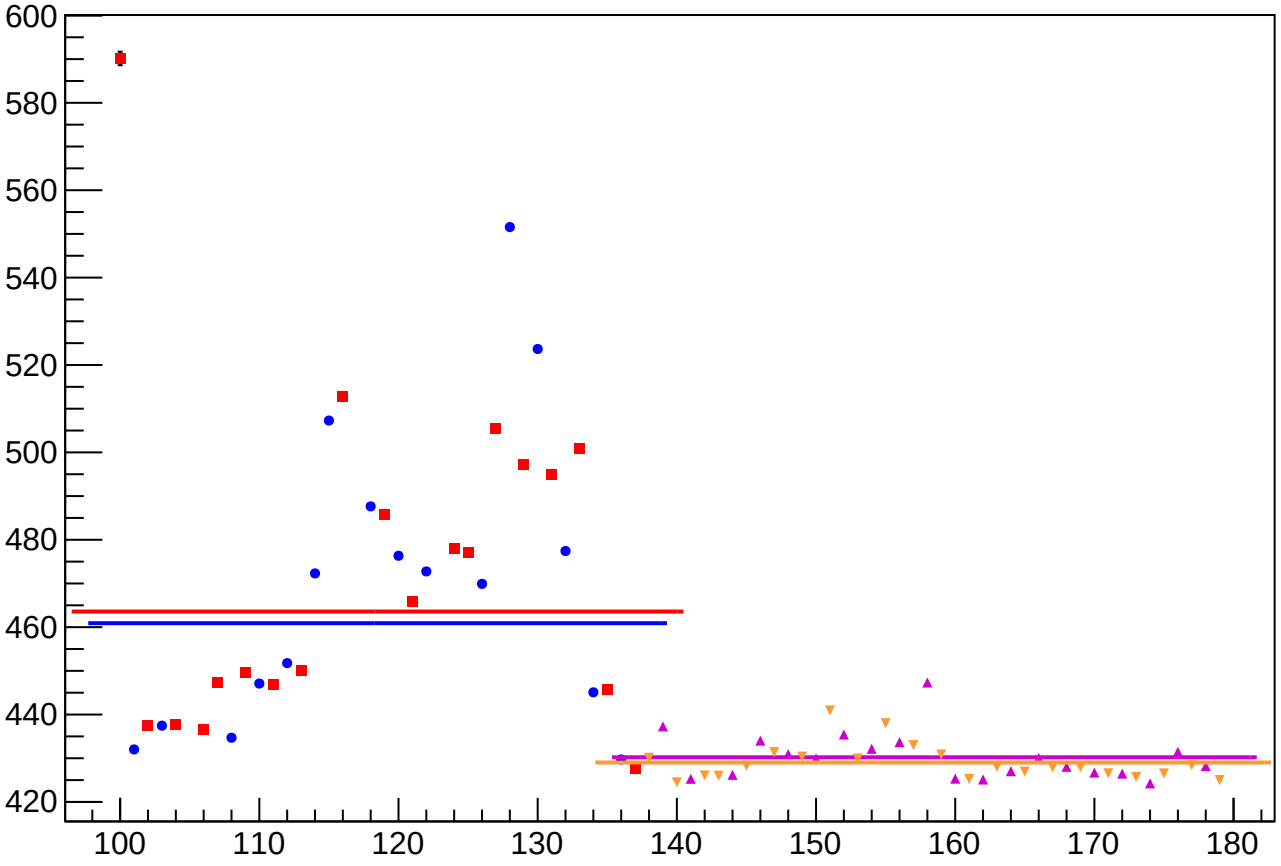
Left In: -0.088+/-0.106 χ^2/NDF:22.3/19

+ sign -0.227+/-0.088 χ^2/NDF: 33.9/37

All: -0.170+/-0.063 χ^2/NDF: 71.3/76

- sign -0.111+/-0.090 χ^2/NDF: 36.5/38

diff_bpm_4aX_4acX_dd_rms vs Slug



Right In: 460.906+/-0.121 χ^2/NDF: 74930.1/15

Left Out: 429.028+/-0.073 χ^2/NDF:3054.3/21

Right Out: 463.573+/-0.120 χ^2/NDF: 52175.6/18

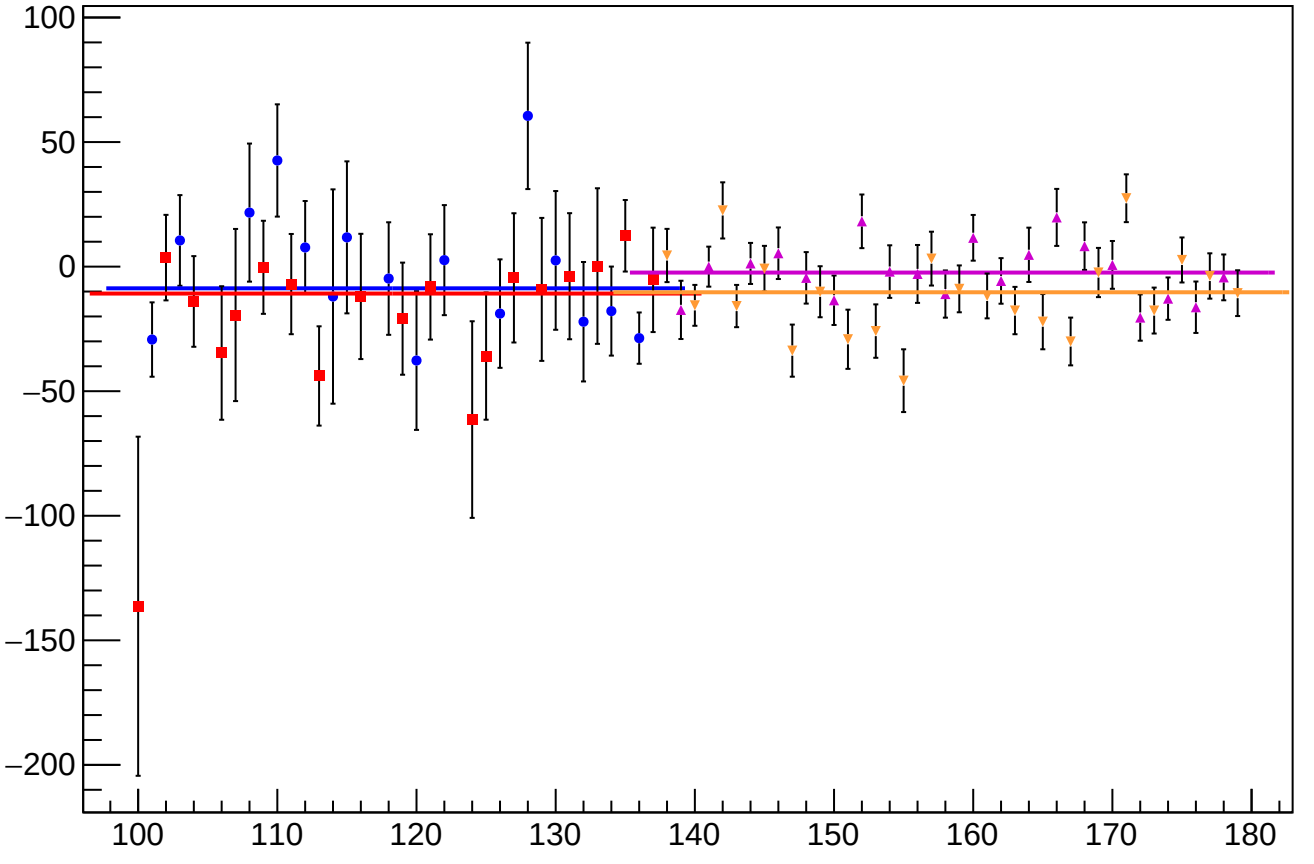
Left In: 430.223+/-0.075 χ^2/NDF:5132.9/19

+ sign 437.414+/-0.062 χ^2/NDF: 128786.2/37

All: 438.510+/-0.045 χ^2/NDF: 242292.0/76

- sign 439.658+/-0.064 χ^2/NDF: 112871.5/38

diff_bpm_4aX_4eX_avg_mean vs Slug



Right In: -8.707+/-5.036 χ^2/NDF: 22.3/15

Left Out: -10.292+/-2.088 χ^2/NDF:56.8/21

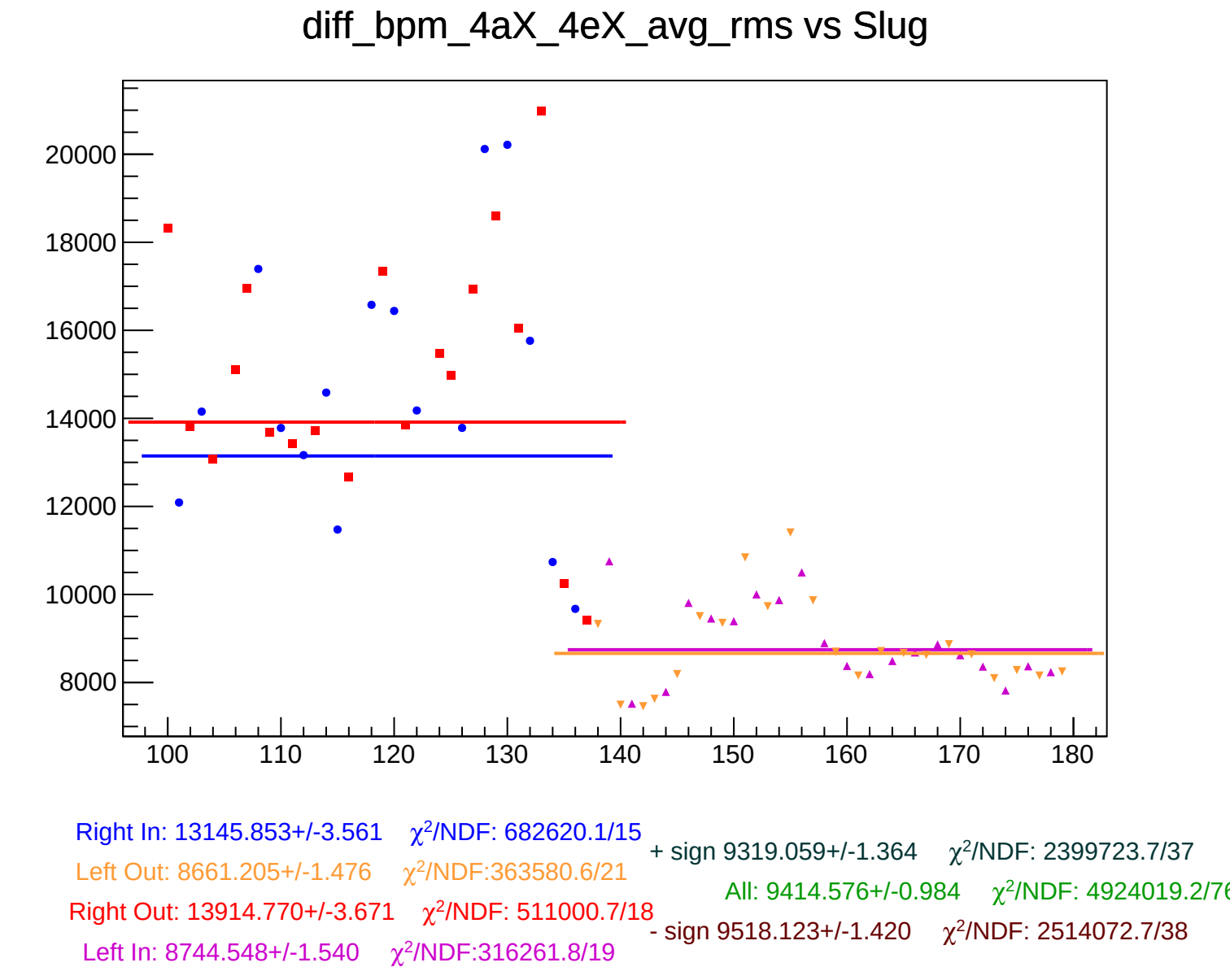
Right Out: -10.807+/-5.192 χ^2/NDF: 13.9/18

Left In: -2.386+/-2.178 χ^2/NDF:23.4/19

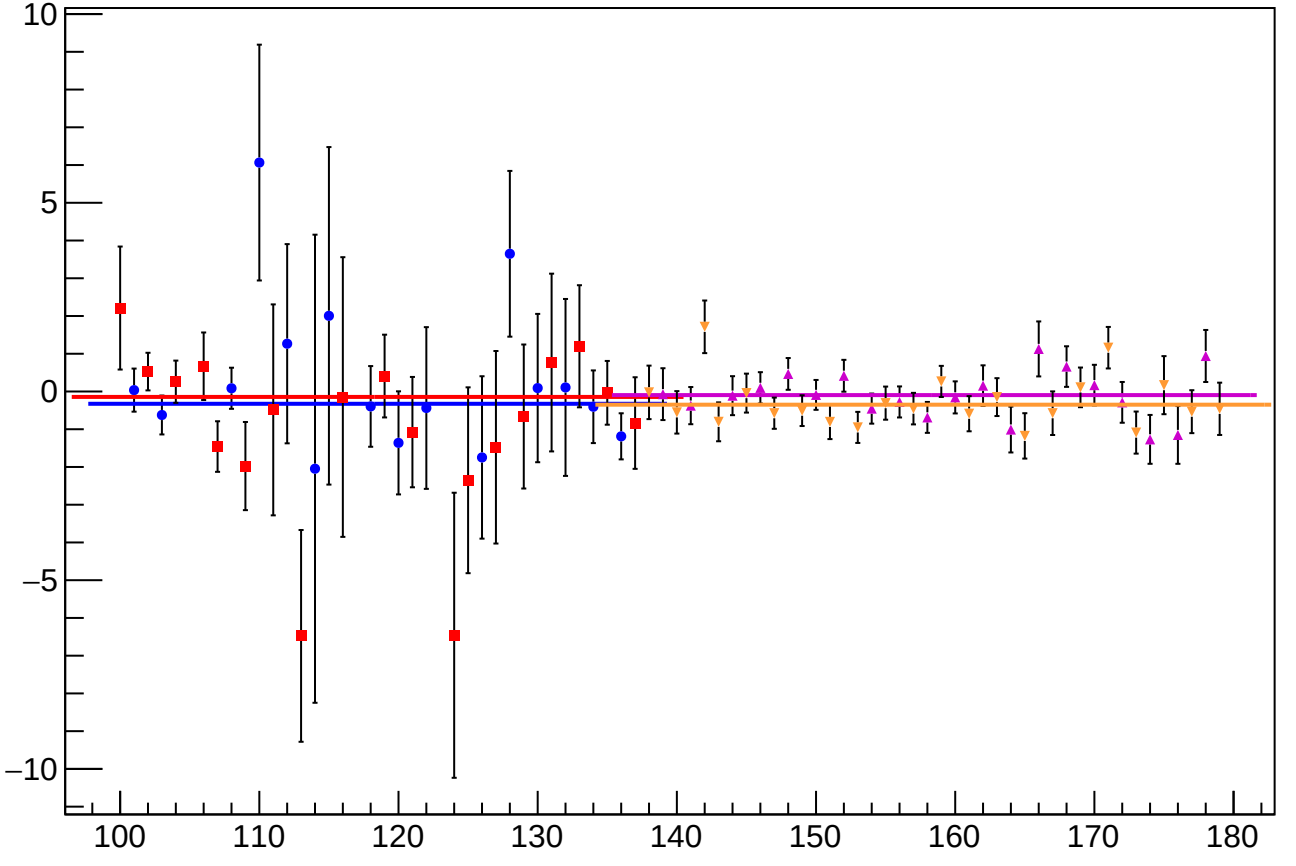
+ sign -10.060+/-1.929 χ^2/NDF: 79.2/37

All: -6.982+/-1.391 χ^2/NDF: 124.0/76

- sign -3.646+/-2.008 χ^2/NDF: 39.5/38


diff_bpm_4aX_4eX_avg_rms vs Slug
20000
18000
16000
14000
12000
10000
8000
100
110
120
130
140
150
160
170
180
Right In: 13145.853+/-3.561 χ²/NDF: 682620.1/15
Left Out: 8661.205+/-1.476 χ²/NDF:363580.6/21
Right Out: 13914.770+/-3.671 χ²/NDF: 511000.7/18
Left In: 8744.548+/-1.540 χ²/NDF:316261.8/19
+ sign 9319.059+/-1.364 χ²/NDF: 2399723.7/37
All: 9414.576+/-0.984 χ²/NDF: 4924019.2/76
- sign 9518.123+/-1.420 χ²/NDF: 2514072.7/38

diff_bpm_4aX_4eX_dd_mean vs Slug



Right In: -0.326+/-0.244 χ^2/NDF: 12.6/15

Left Out: -0.350+/-0.108 χ^2/NDF:29.2/21

Right Out: -0.144+/-0.244 χ^2/NDF: 22.5/18

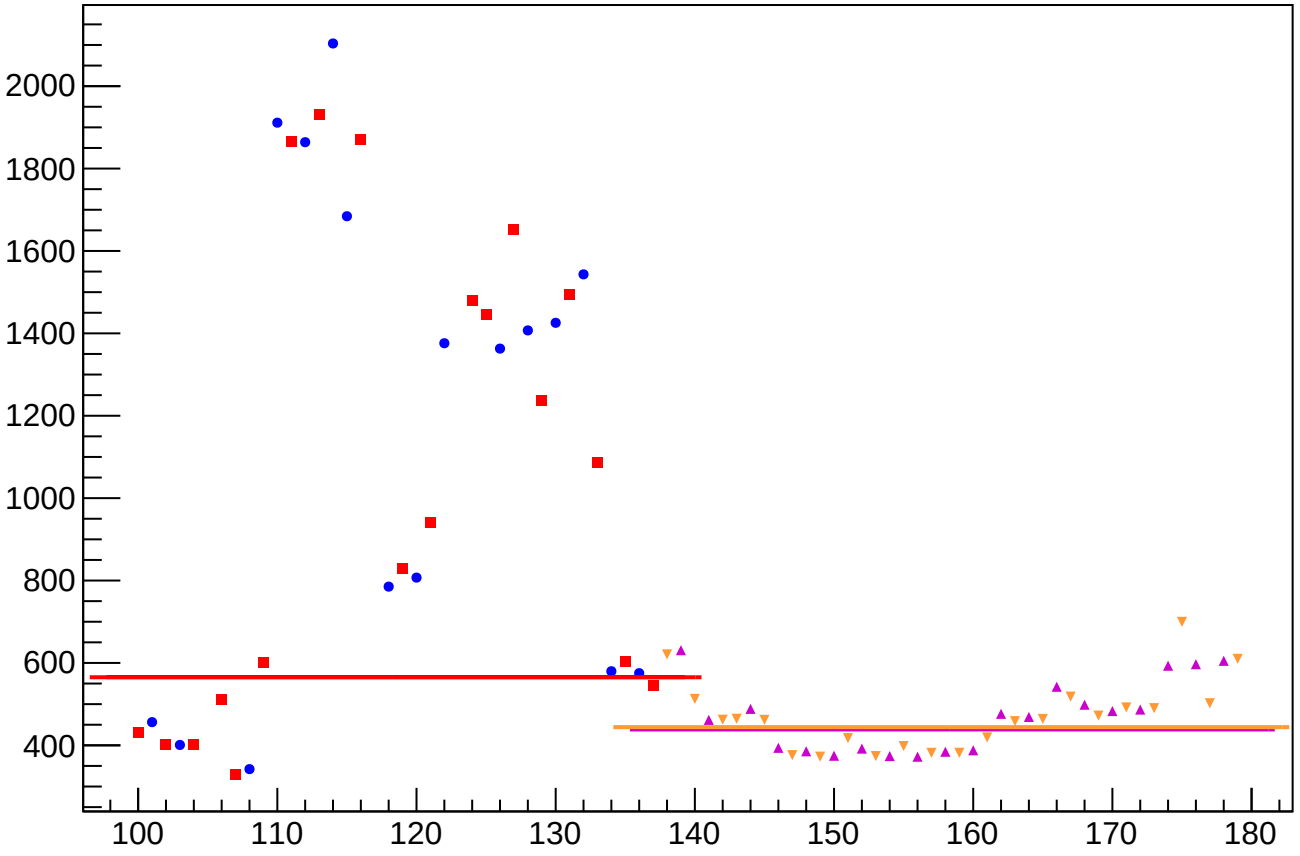
Left In: -0.096+/-0.111 χ^2/NDF:22.0/19

+ sign -0.346+/-0.099 χ^2/NDF: 41.8/37

All: -0.227+/-0.071 χ^2/NDF: 89.2/76

- sign -0.104+/-0.101 χ^2/NDF: 44.5/38

diff_bpm_4aX_4eX_dd_rms vs Slug



Right In: 565.531+/-0.173 χ^2/NDF: 3450533.8/15

Left Out: 444.121+/-0.076 χ^2/NDF:886557.3/21

Right Out: 565.223+/-0.173 χ^2/NDF: 3571620.7/18

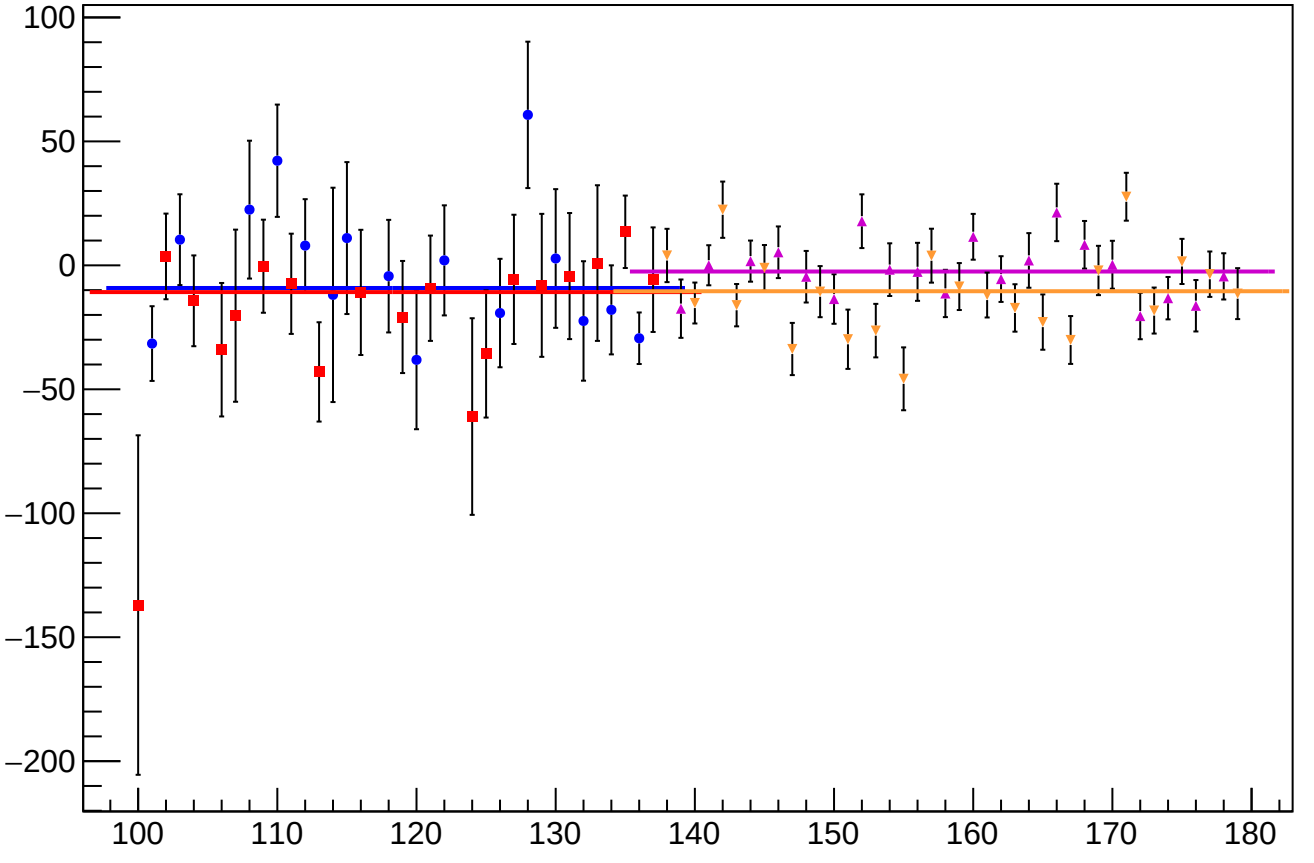
Left In: 438.466+/-0.078 χ^2/NDF:905406.6/19

+ sign 464.046+/-0.070 χ^2/NDF: 4750574.1/37

All: 462.073+/-0.050 χ^2/NDF: 9675837.7/76

- sign 460.023+/-0.071 χ^2/NDF: 4923639.9/38

diff_bpm_4aX_4ecX_avg_mean vs Slug



Right In: -9.130+/-5.069 χ^2/NDF: 22.7/15

Left Out: -10.441+/-2.112 χ^2/NDF:56.5/21

Right Out: -10.788+/-5.227 χ^2/NDF: 13.7/18

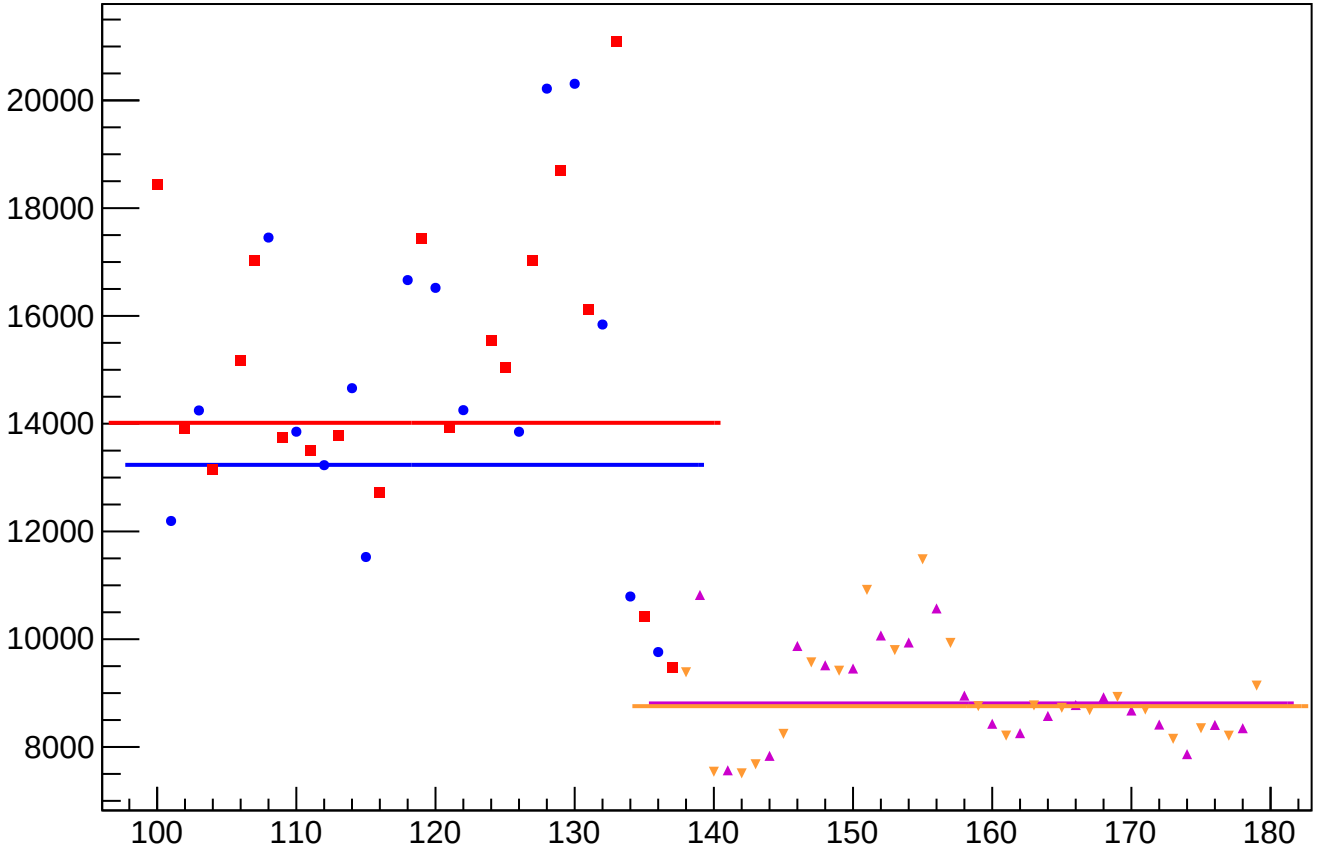
Left In: -2.491+/-2.194 χ^2/NDF:23.4/19

+ sign -10.247+/-1.950 χ^2/NDF: 79.3/37

All: -7.110+/-1.404 χ^2/NDF: 123.9/76

- sign -3.733+/-2.023 χ^2/NDF: 39.2/38

diff_bpm_4aX_4ecX_avg_rms vs Slug



Right In: 13235.828+/-3.585 χ^2/NDF: 673887.0/15

Left Out: 8757.434+/-1.493 χ^2/NDF:362622.7/21

Right Out: 14016.035+/-3.696 χ^2/NDF: 498592.9/18

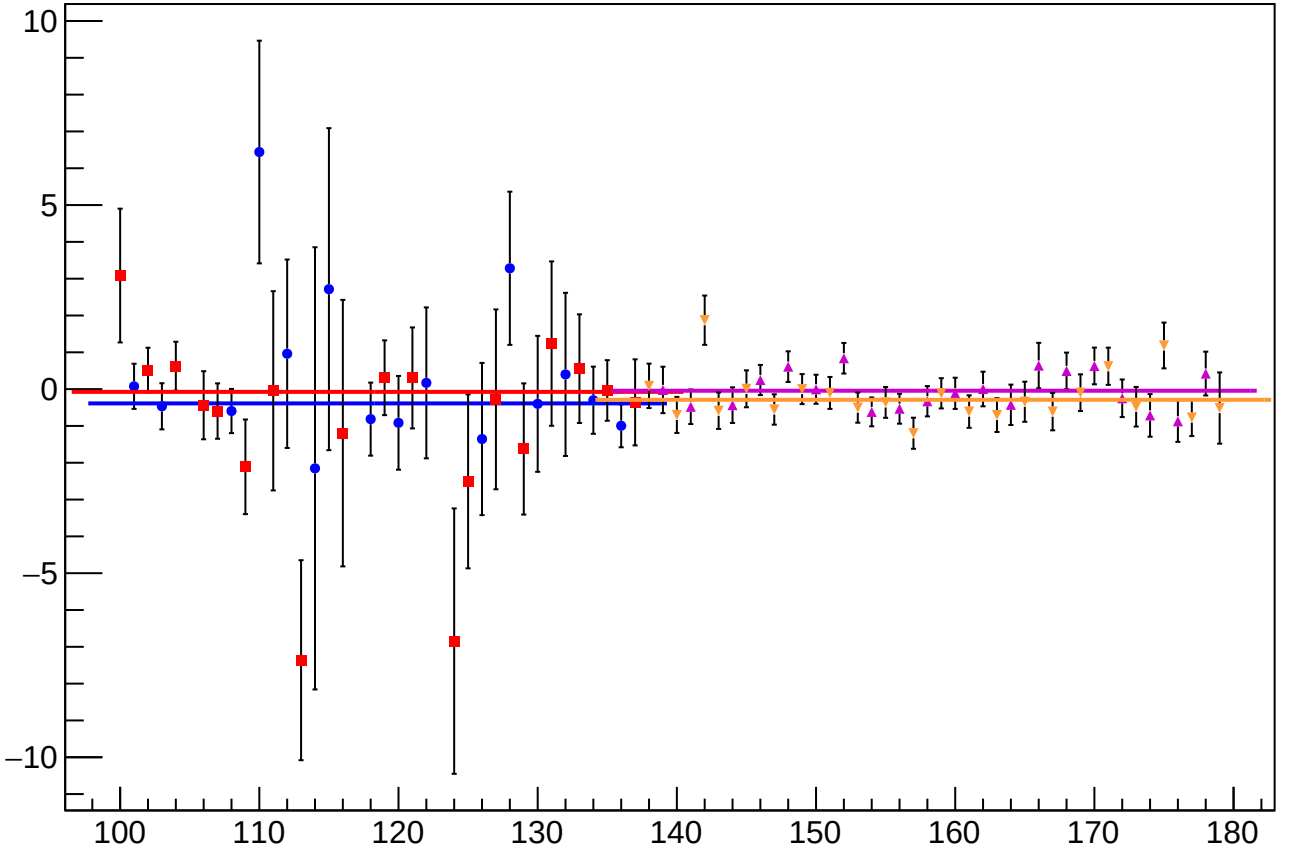
Left In: 8808.115+/-1.551 χ^2/NDF:315016.2/19

+ sign 9419.811+/-1.379 χ^2/NDF: 2366579.0/37

All: 9500.733+/-0.993 χ^2/NDF: 4875243.0/76

- sign 9587.838+/-1.430 χ^2/NDF: 2501509.2/38

diff_bpm_4aX_4ecX_dd_mean vs Slug



Right In: -0.388+/-0.256 χ^2/NDF: 11.7/15

Left Out: -0.291+/-0.103 χ^2/NDF:30.3/21

Right Out: -0.075+/-0.265 χ^2/NDF: 21.7/18

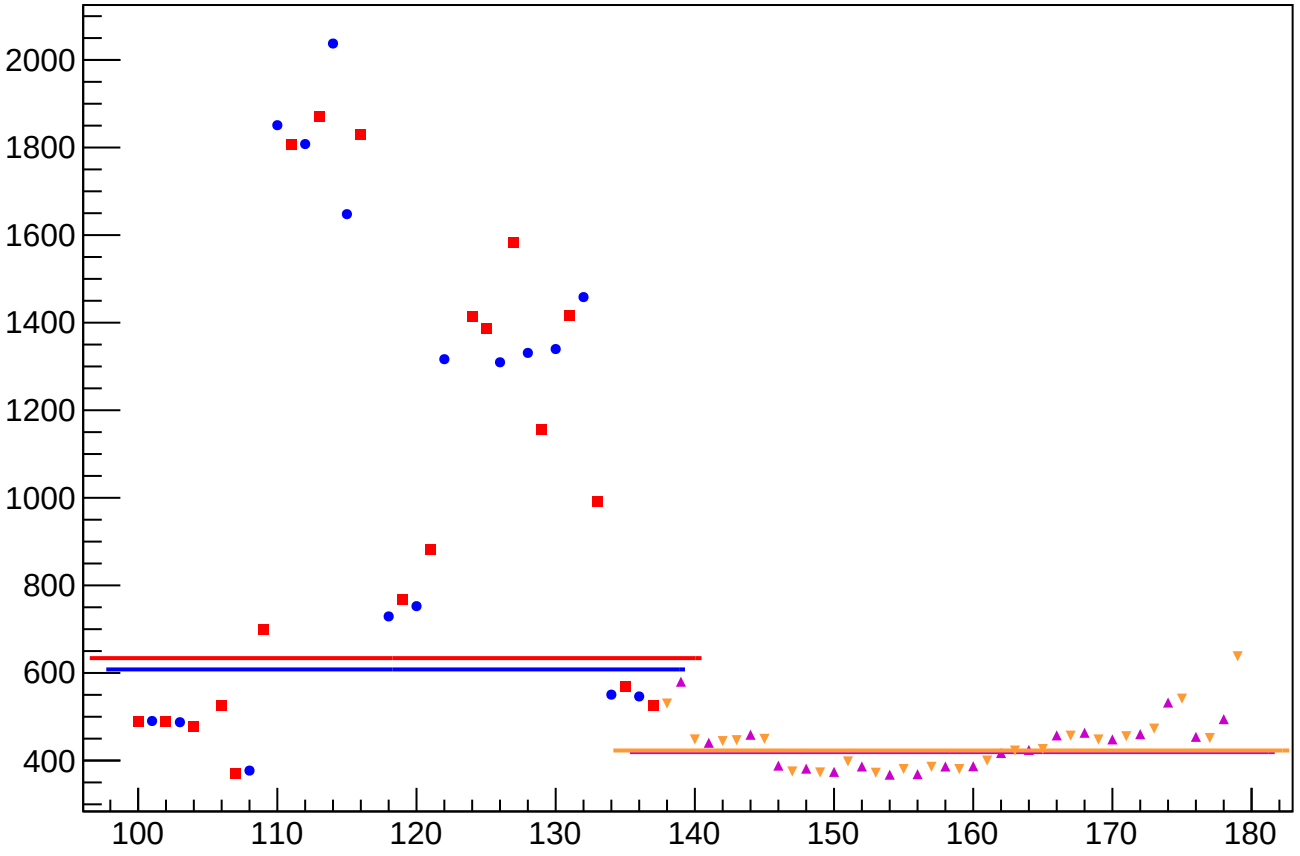
Left In: -0.043+/-0.105 χ^2/NDF:22.1/19

+ sign -0.304+/-0.096 χ^2/NDF: 42.1/37

All: -0.178+/-0.068 χ^2/NDF: 89.5/76

- sign -0.048+/-0.098 χ^2/NDF: 43.8/38

diff_bpm_4aX_4ecX_dd_rms vs Slug



Right In: 608.063+/-0.181 χ^2/NDF: 2852722.1/15

Left Out: 422.948+/-0.073 χ^2/NDF:455620.5/21

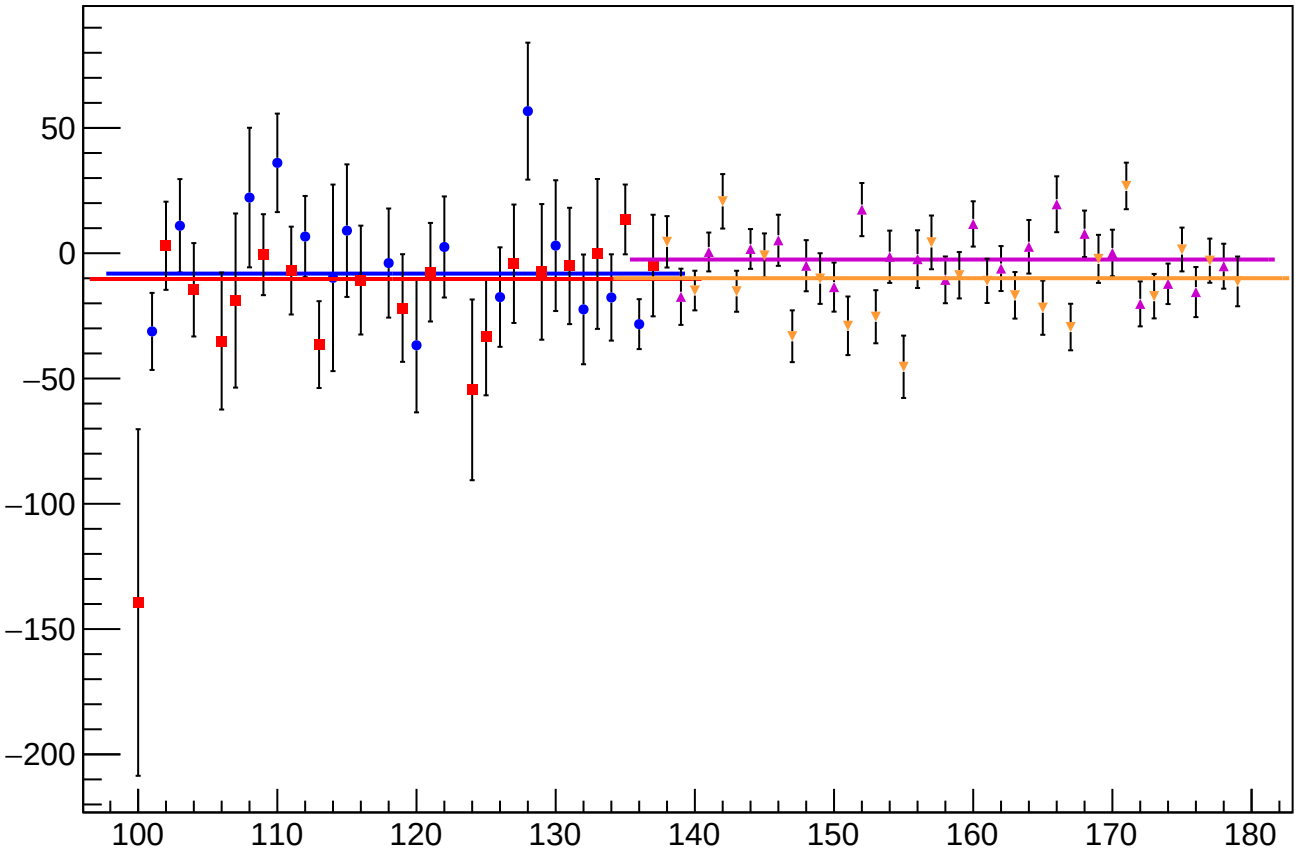
Right Out: 633.883+/-0.187 χ^2/NDF: 2788449.1/18

Left In: 419.250+/-0.074 χ^2/NDF:463163.4/19

+ sign 448.917+/-0.068 χ^2/NDF: 4209496.7/37

All: 448.704+/-0.048 χ^2/NDF: 8598542.5/76

- sign 448.482+/-0.069 χ^2/NDF: 4389025.7/38



Right In: -8.132+/-4.779 χ^2/NDF: 23.1/15

Left Out: -9.969+/-2.042 χ^2/NDF:57.0/21

Right Out: -10.288+/-4.873 χ^2/NDF: 13.7/18

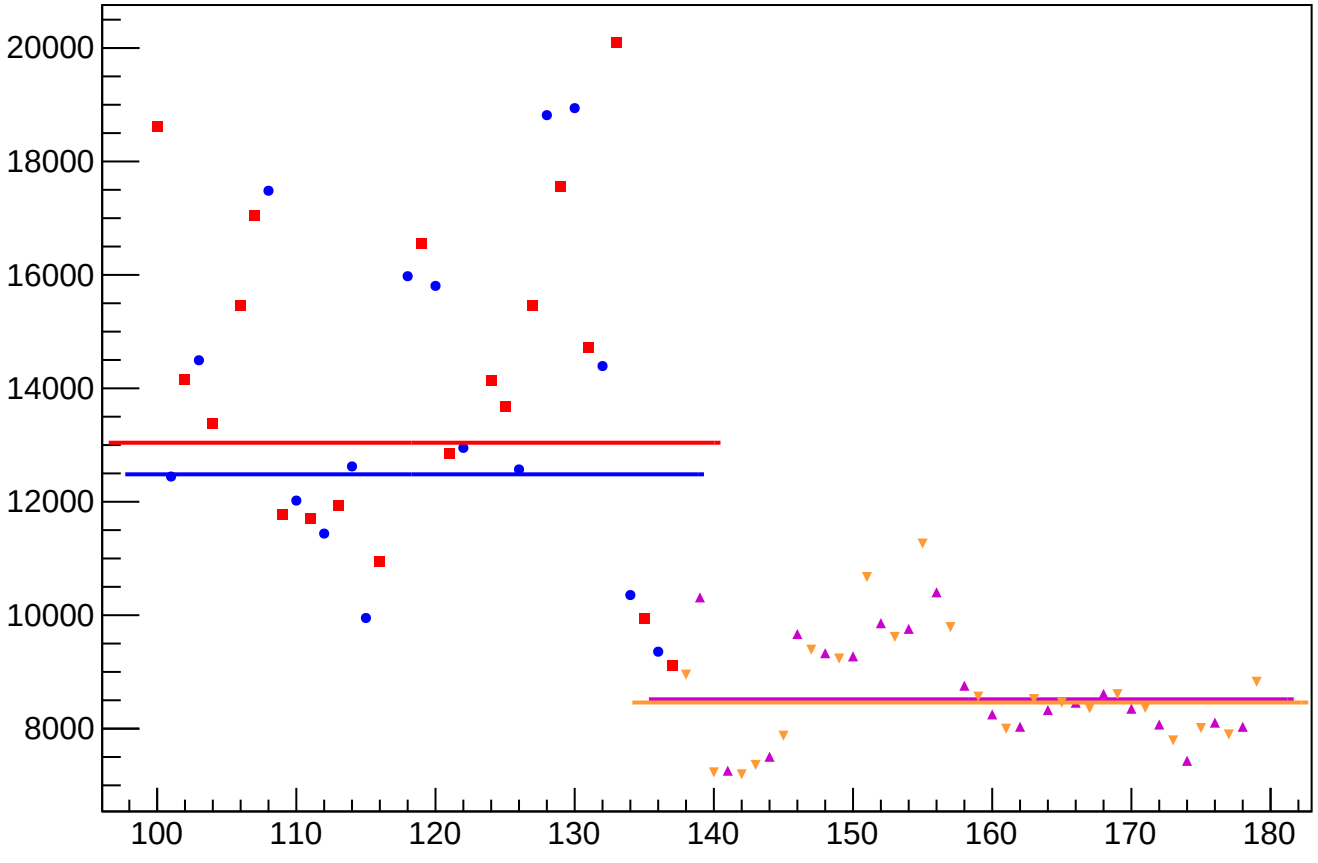
Left In: -2.521+/-2.122 χ^2/NDF:23.5/19

+ sign -9.685+/-1.878 χ^2/NDF: 80.2/37

All: -6.828+/-1.351 χ^2/NDF: 124.4/76

- sign -3.759+/-1.946 χ^2/NDF: 39.4/38

diff_bpm_4eX_4ecX_avg_rms vs Slug



Right In: 12483.955+/-3.379 χ^2/NDF: 671560.0/15

Left Out: 8460.739+/-1.444 χ^2/NDF:415293.1/21

Right Out: 13041.241+/-3.446 χ^2/NDF: 544486.8/18

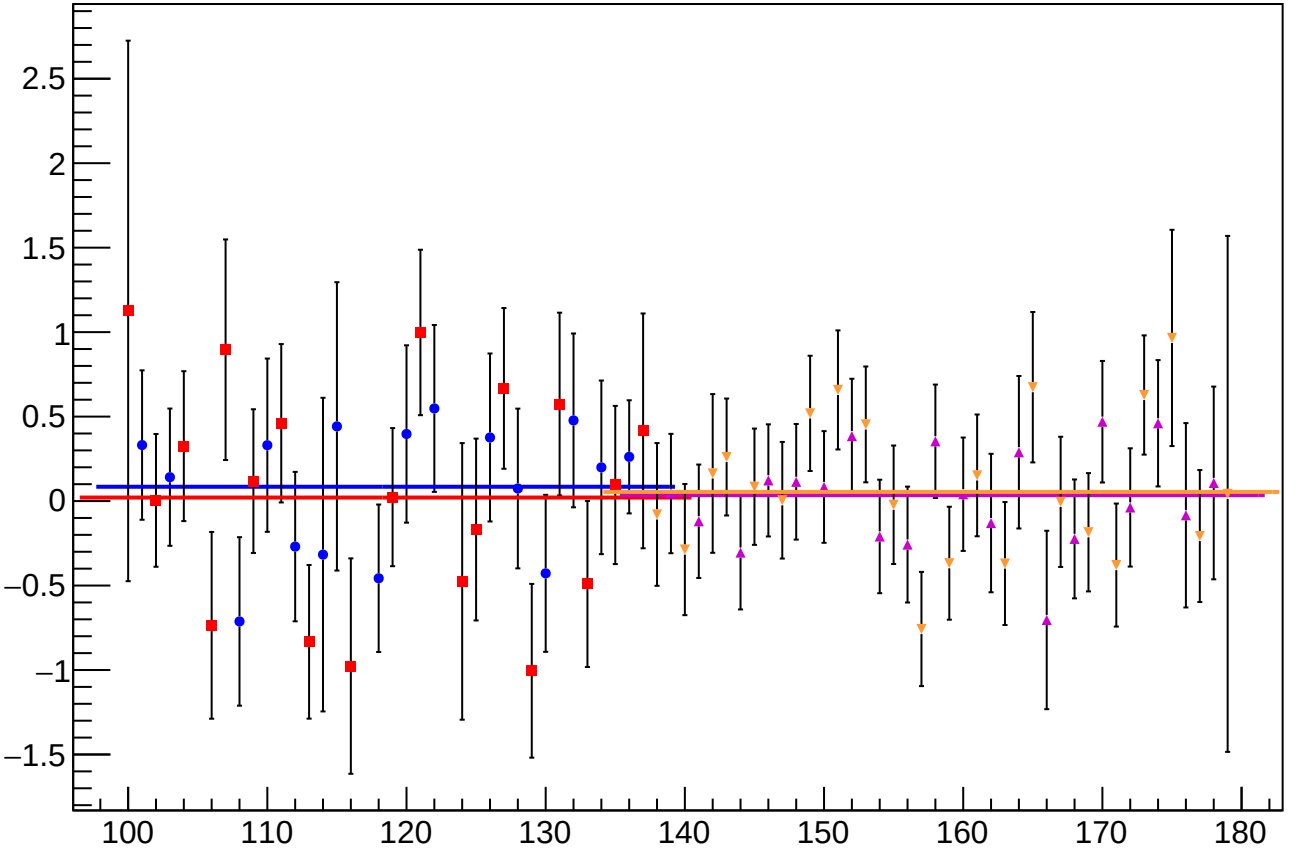
Left In: 8516.889+/-1.501 χ^2/NDF:361267.8/19

+ sign 9081.919+/-1.328 χ^2/NDF: 2285392.0/37

All: 9157.302+/-0.955 χ^2/NDF: 4646764.6/76

- sign 9238.249+/-1.376 χ^2/NDF: 2354688.9/38

diff_bpm_4eX_4ecX_dd_mean vs Slug



Right In: 0.085+/-0.120 χ^2/NDF: 9.4/15

Left Out: 0.054+/-0.081 χ^2/NDF:25.3/21

Right Out: 0.021+/-0.117 χ^2/NDF: 24.3/18

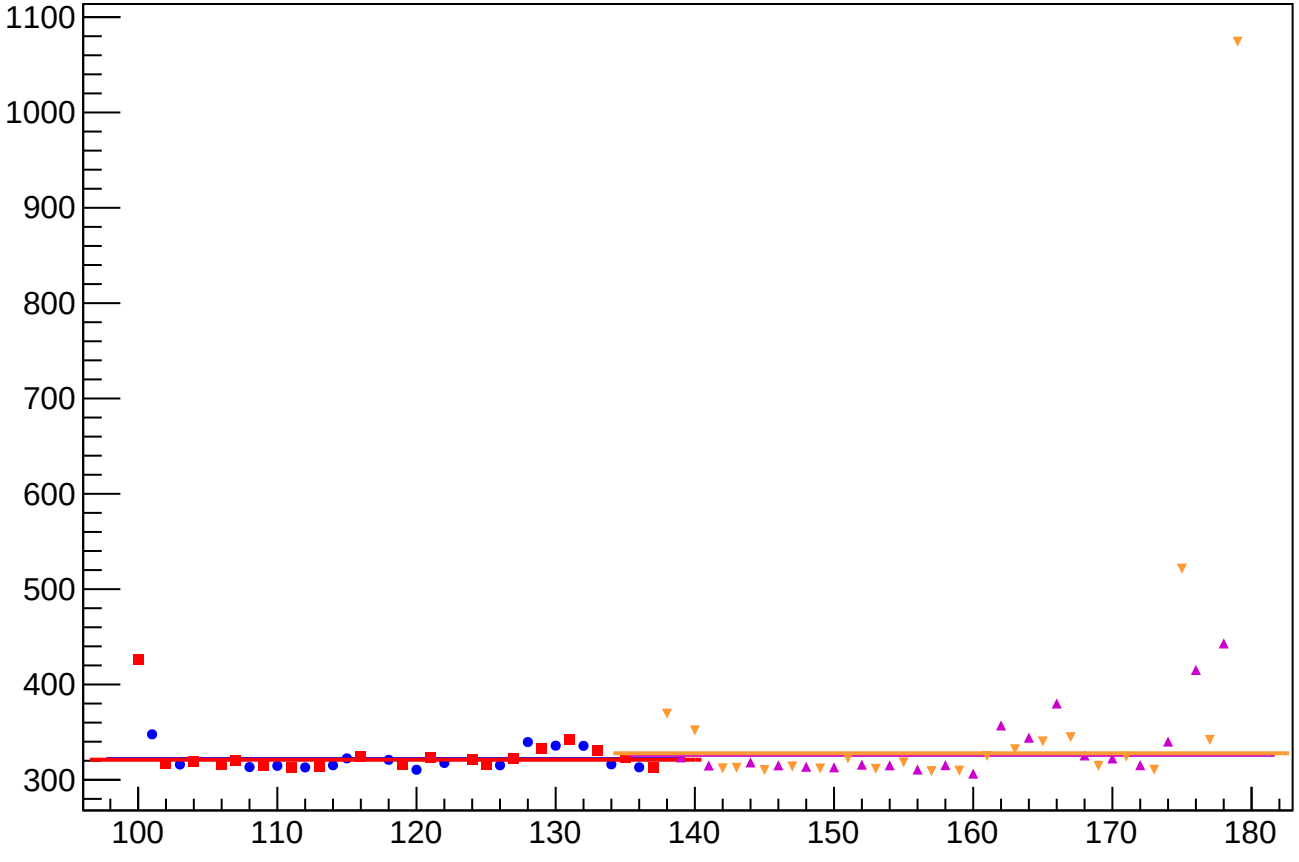
Left In: 0.035+/-0.082 χ^2/NDF:10.4/19

+ sign 0.064+/-0.067 χ^2/NDF: 34.7/37

All: 0.047+/-0.048 χ^2/NDF: 69.5/76

- sign 0.031+/-0.067 χ^2/NDF: 34.7/38

diff_bpm_4eX_4ecX_dd_rms vs Slug



Right In: 321.727+/-0.085 χ^2/NDF: 18214.6/15

Left Out: 327.830+/-0.057 χ^2/NDF:741608.2/21

Right Out: 321.093+/-0.083 χ^2/NDF: 16579.3/18

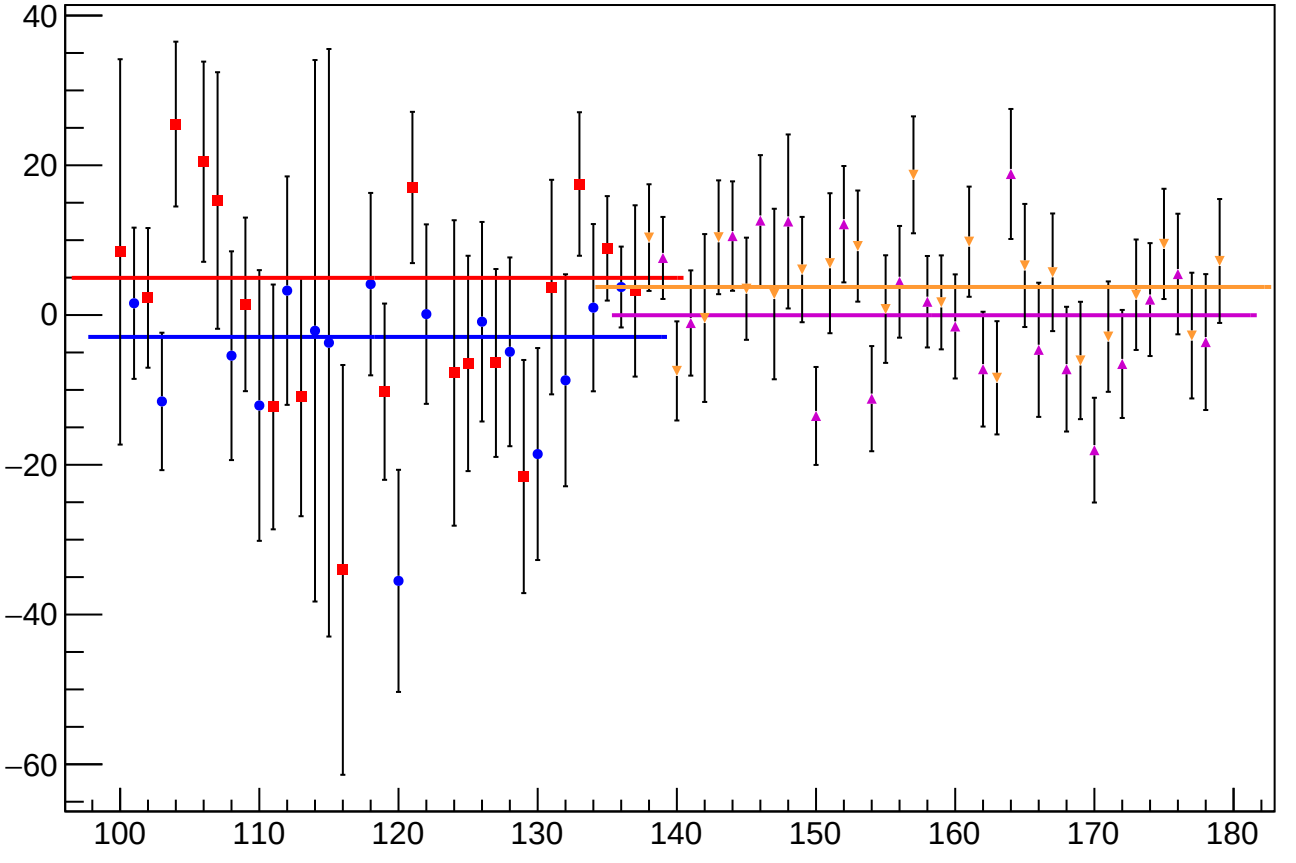
Left In: 326.194+/-0.058 χ^2/NDF:205861.9/19

\+ sign 325.930+/-0.047 χ^2/NDF: 763375.5/37

All: 325.227+/-0.034 χ^2/NDF: 988790.0/76

\- sign 324.520+/-0.048 χ^2/NDF: 224974.2/38

diff_bpm_4aY_4acY_avg_mean vs Slug



Right In: -2.922+/-2.910 χ^2/NDF: 9.8/15

Left Out: 3.749+/-1.633 χ^2/NDF:16.6/21

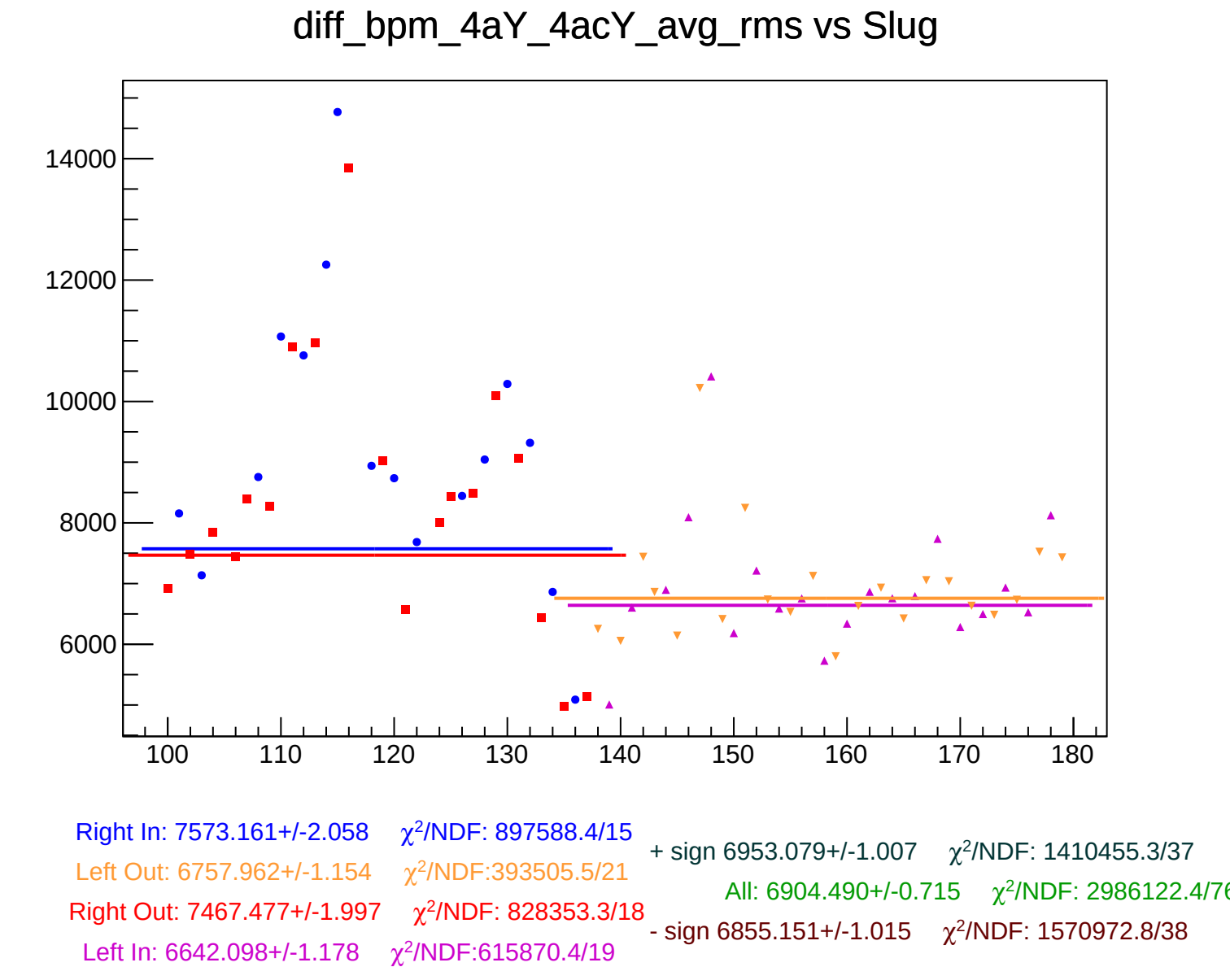
Right Out: 4.965+/-2.824 χ^2/NDF: 19.4/18

Left In: -0.026+/-1.666 χ^2/NDF:31.8/19

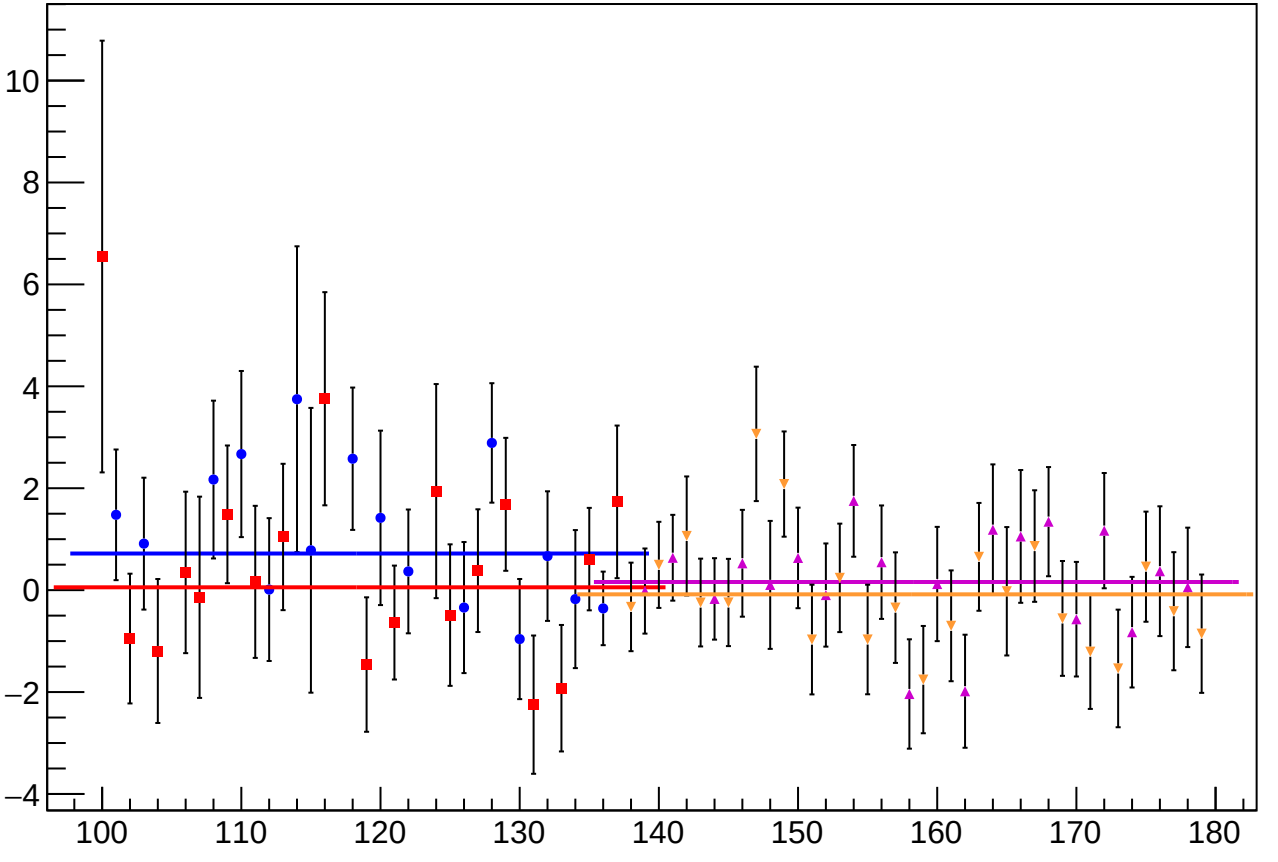
+ sign 2.152+/-1.424 χ^2/NDF: 30.4/37

All: 1.711+/-1.011 χ^2/NDF: 84.1/76

- sign 1.263+/-1.435 χ^2/NDF: 53.5/38


diff_bpm_4aY_4acY_avg_rms vs Slug
14000
12000
10000
8000
6000
100
110
120
130
140
150
160
170
180
Right In: 7573.161+/-2.058 χ²/NDF: 897588.4/15
Left Out: 6757.962+/-1.154 χ²/NDF:393505.5/21
Right Out: 7467.477+/-1.997 χ²/NDF: 828353.3/18
Left In: 6642.098+/-1.178 χ²/NDF:615870.4/19
+ sign 6953.079+/-1.007 χ²/NDF: 1410455.3/37
All: 6904.490+/-0.715 χ²/NDF: 2986122.4/76
- sign 6855.151+/-1.015 χ²/NDF: 1570972.8/38

diff_bpm_4aY_4acY_dd_mean vs Slug



Right In: 0.719+/-0.326 χ^2/NDF: 14.8/15

Left Out: -0.082+/-0.224 χ^2/NDF:20.8/21

Right Out: 0.056+/-0.323 χ^2/NDF: 19.8/18

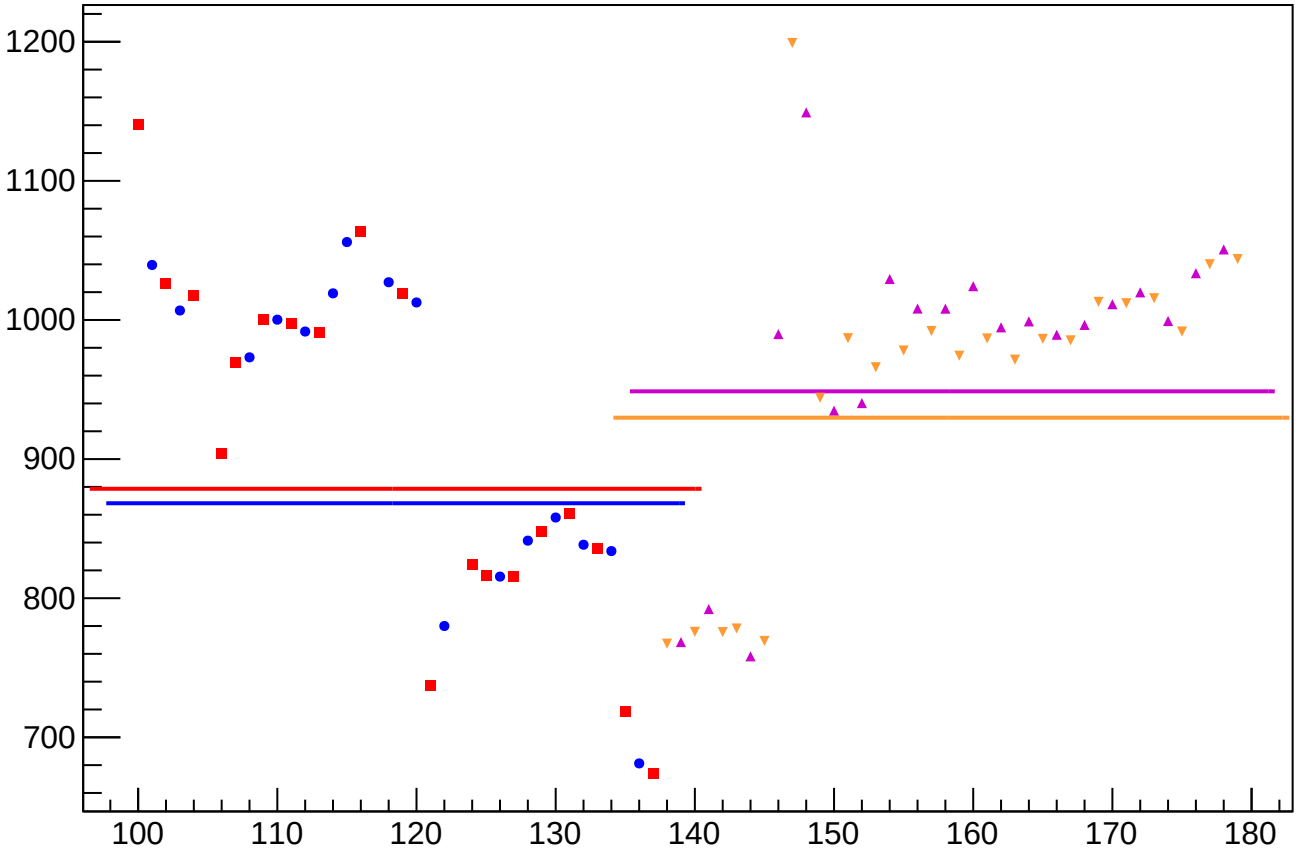
Left In: 0.160+/-0.236 χ^2/NDF:15.5/19

+ sign 0.175+/-0.185 χ^2/NDF: 39.7/37

All: 0.150+/-0.133 χ^2/NDF: 75.1/76

- sign 0.124+/-0.191 χ^2/NDF: 35.4/38

diff_bpm_4aY_4acY_dd_rms vs Slug



Right In: 868.253+/-0.230 χ^2/NDF: 302409.6/15

Left Out: 929.764+/-0.158 χ^2/NDF:503895.8/21

Right Out: 878.658+/-0.229 χ^2/NDF: 272530.7/18

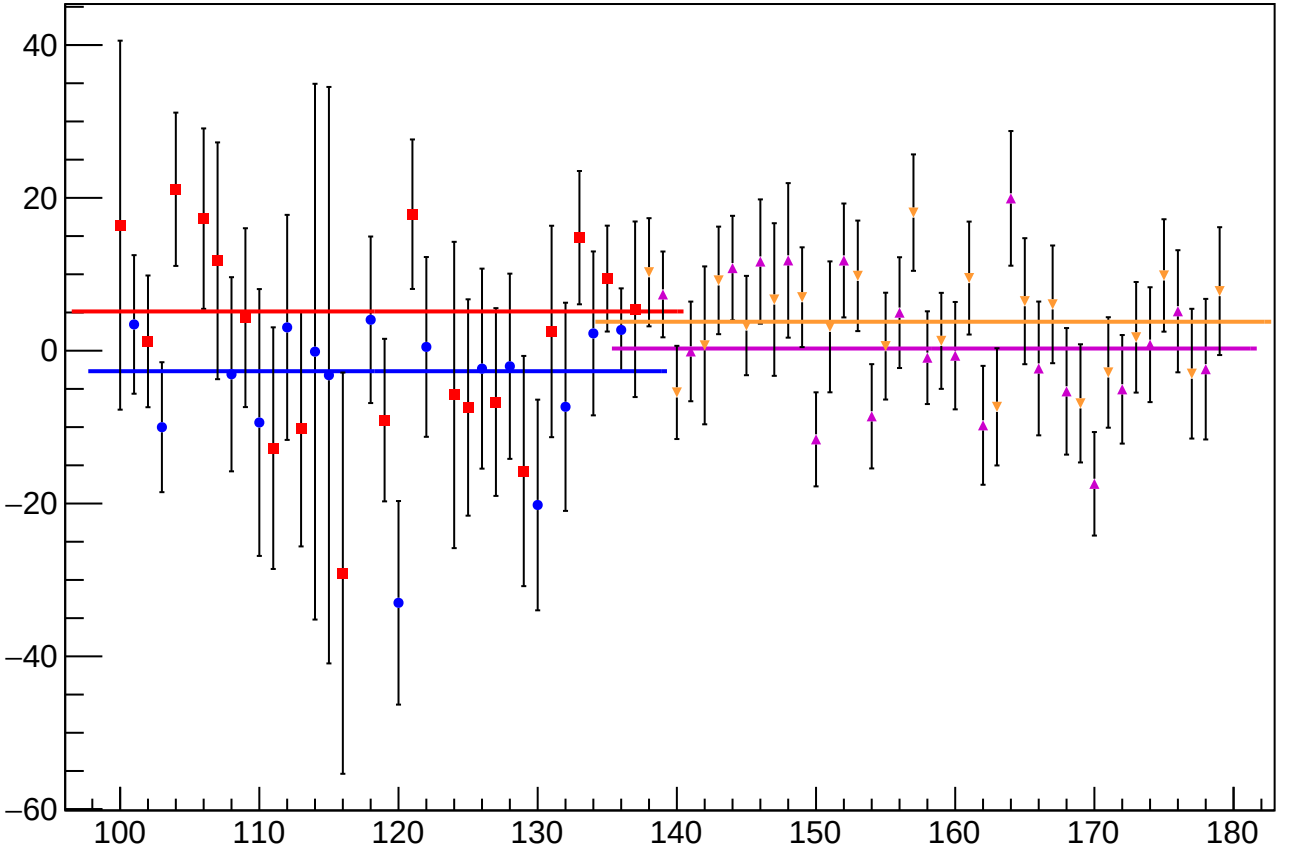
Left In: 948.702+/-0.167 χ^2/NDF:417295.7/19

\+ sign 910.027+/-0.131 χ^2/NDF: 854686.0/37

All: 916.937+/-0.094 χ^2/NDF: 1611478.7/76

\- sign 924.317+/-0.135 χ^2/NDF: 750998.8/38

diff_bpm_4aY_4eY_avg_mean vs Slug



Right In: -2.683+/-2.788 χ^2/NDF: 10.1/15

Left Out: 3.790+/-1.586 χ^2/NDF:16.0/21

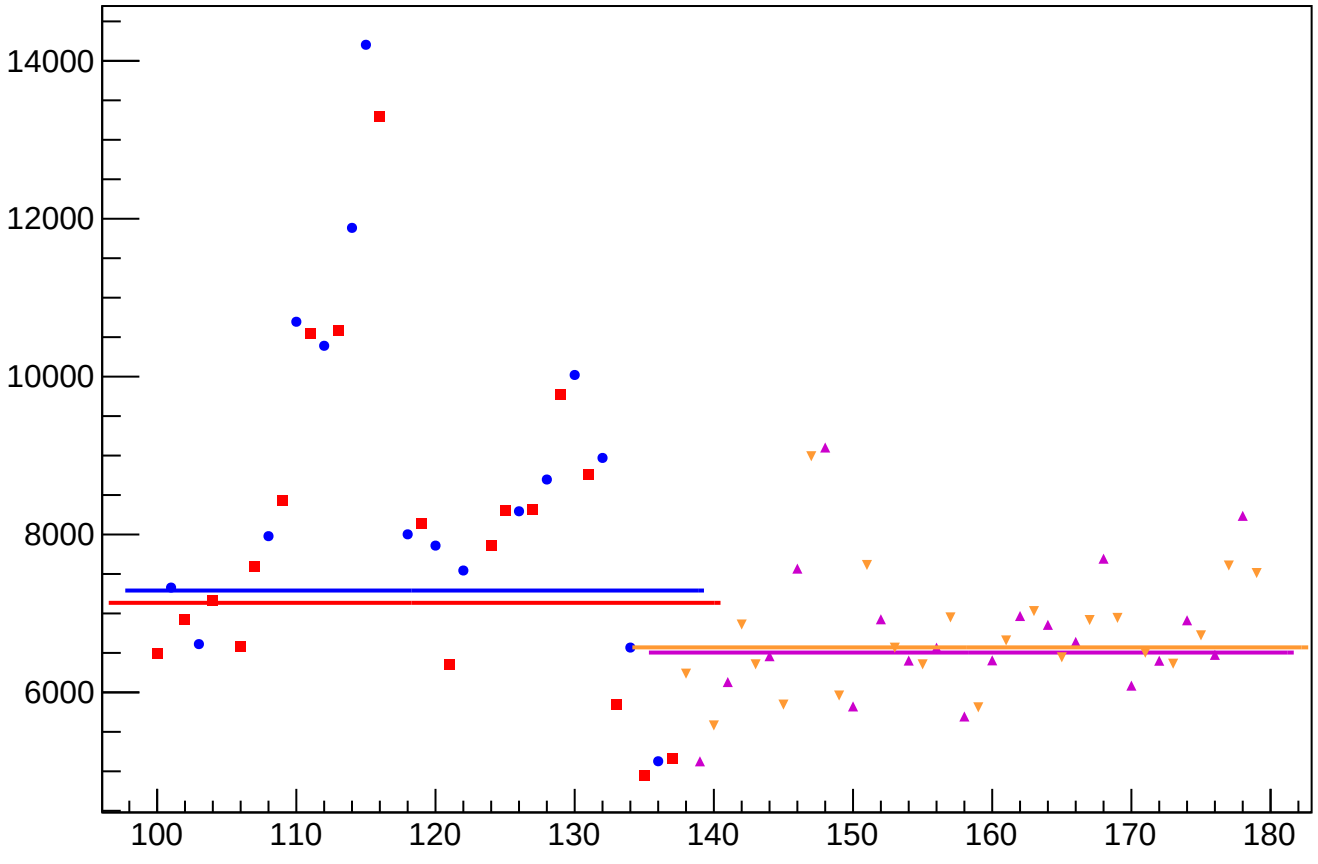
Right Out: 5.136+/-2.692 χ^2/NDF: 17.3/18

Left In: 0.285+/-1.627 χ^2/NDF:30.6/19

+ sign 2.208+/-1.378 χ^2/NDF: 30.1/37

All: 1.899+/-0.980 χ^2/NDF: 80.4/76

- sign 1.583+/-1.393 χ^2/NDF: 50.2/38



Right In: 7290.246+/-1.972 χ^2/NDF: 770518.2/15

Left Out: 6570.167+/-1.121 χ^2/NDF:360524.5/21

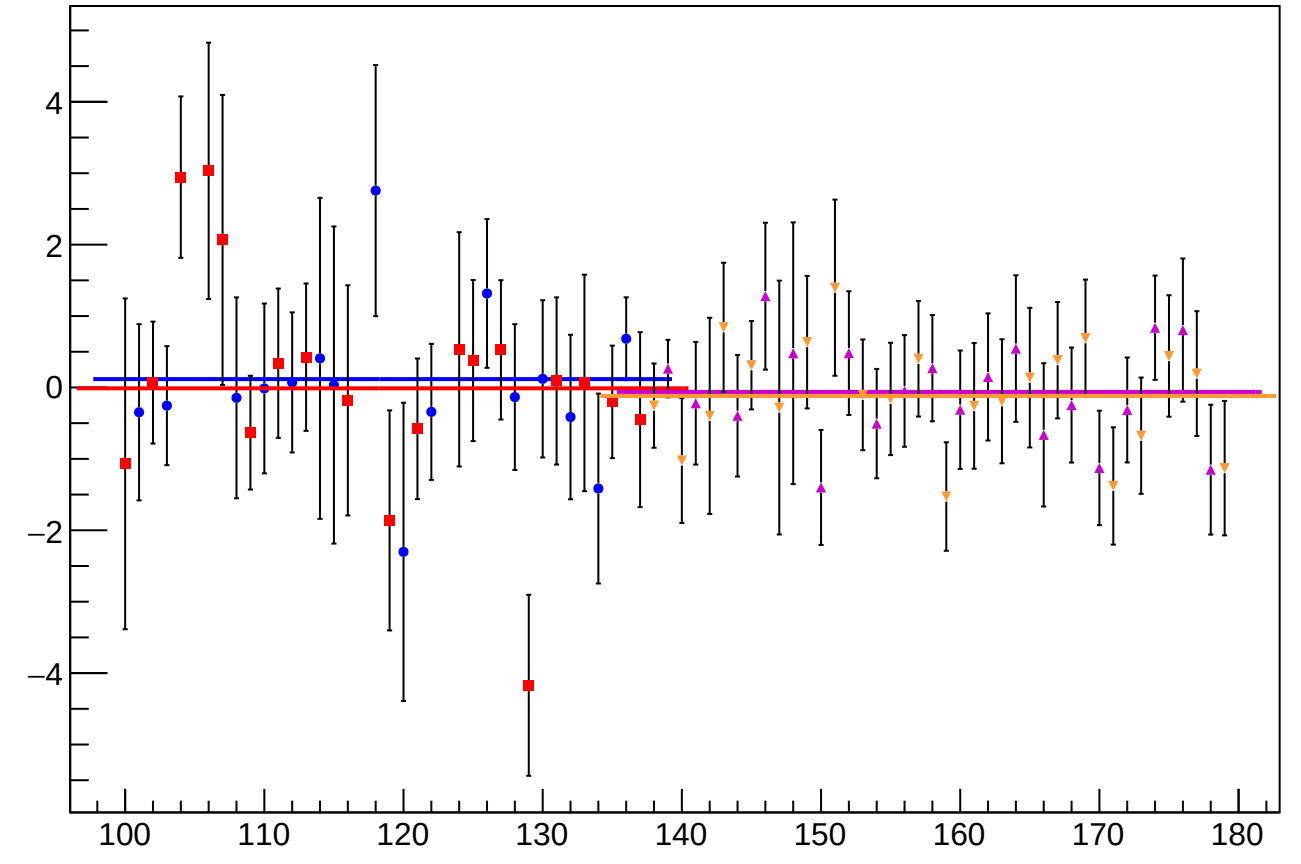
Right Out: 7134.411+/-1.903 χ^2/NDF: 792788.1/18

Left In: 6504.569+/-1.151 χ^2/NDF:497804.3/19

+ sign 6746.125+/-0.975 χ^2/NDF: 1231843.1/37

All: 6710.003+/-0.693 χ^2/NDF: 2605399.0/76

- sign 6673.128+/-0.985 χ^2/NDF: 1370779.8/38



Right In: 0.117+/-0.273 χ^2/NDF: 8.1/15

Left Out: -0.119+/-0.181 χ^2/NDF:14.8/21

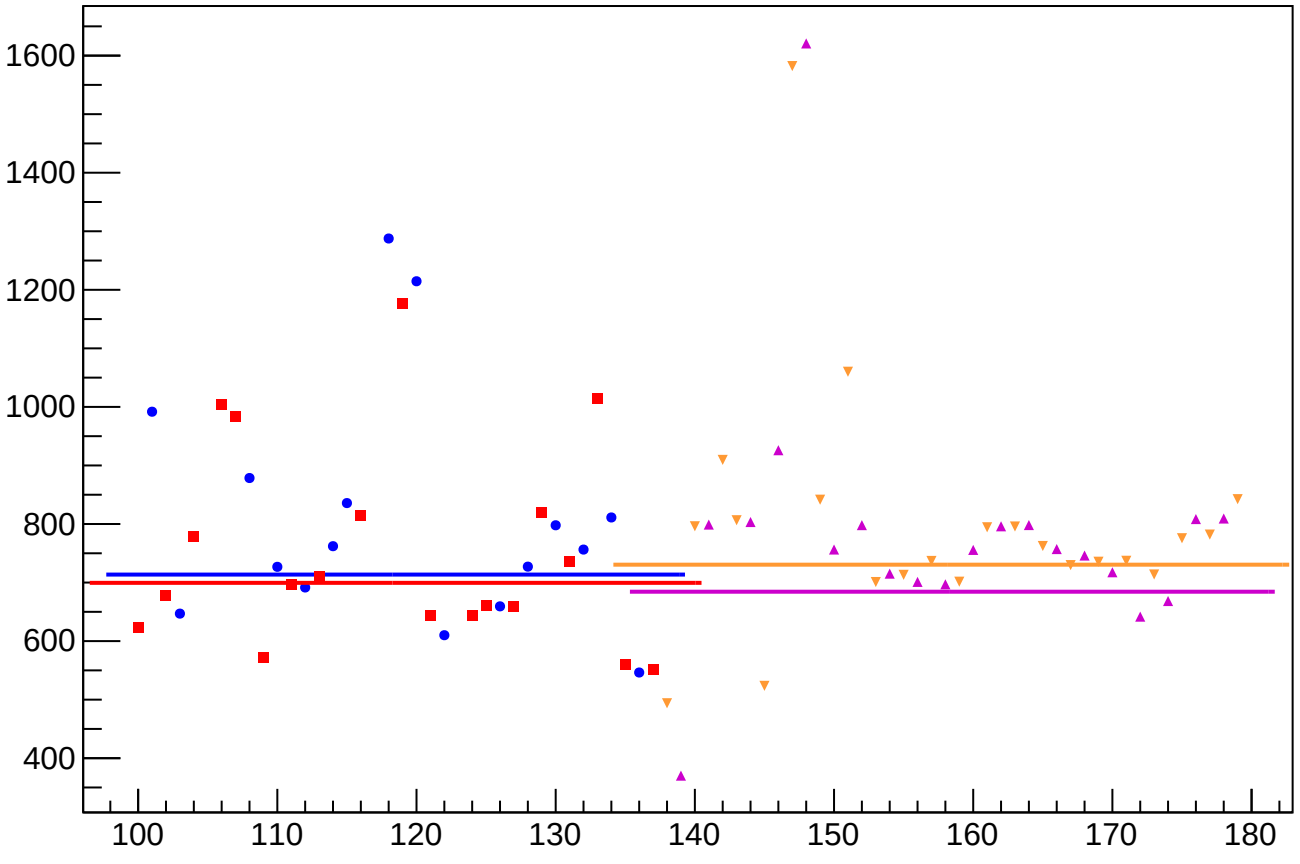
Right Out: -0.012+/-0.263 χ^2/NDF: 25.2/18

Left In: -0.063+/-0.177 χ^2/NDF:12.8/19

+ sign -0.047+/-0.151 χ^2/NDF: 23.4/37

All: -0.047+/-0.105 χ^2/NDF: 61.4/76

- sign -0.047+/-0.147 χ^2/NDF: 38.0/38



Right In: 713.627+/-0.193 χ^2/NDF: 699303.9/15

Left Out: 730.535+/-0.128 χ^2/NDF:1308413.8/21

Right Out: 699.502+/-0.186 χ^2/NDF: 575759.9/18

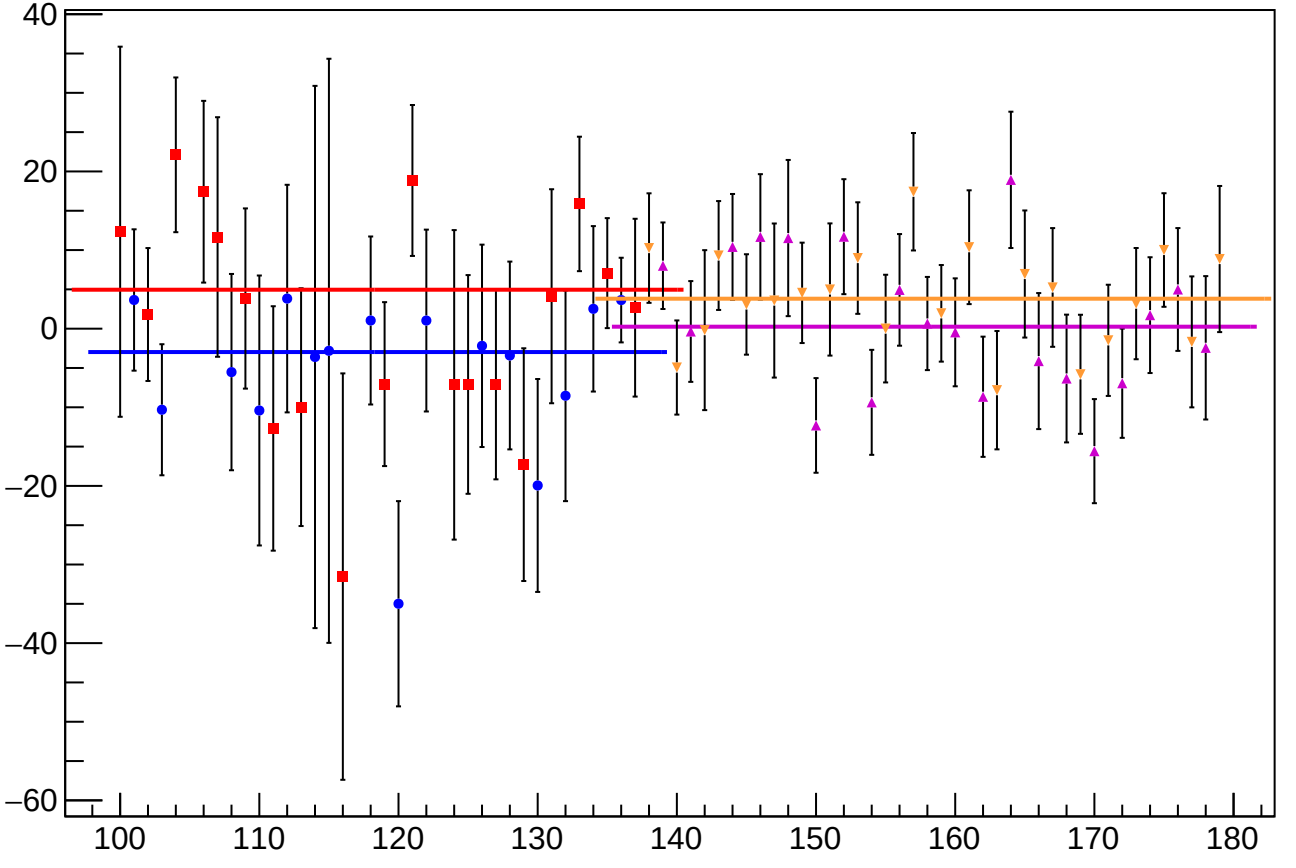
Left In: 684.357+/-0.125 χ^2/NDF:2149237.2/19

+ sign 725.396+/-0.106 χ^2/NDF: 2013050.7/37

All: 706.798+/-0.074 χ^2/NDF: 4802161.4/76

- sign 689.081+/-0.104 χ^2/NDF: 2729553.8/38

diff_bpm_4aY_4ecY_avg_mean vs Slug



Right In: -2.974+/-2.746 χ^2/NDF: 11.6/15

Left Out: 3.812+/-1.561 χ^2/NDF:15.1/21

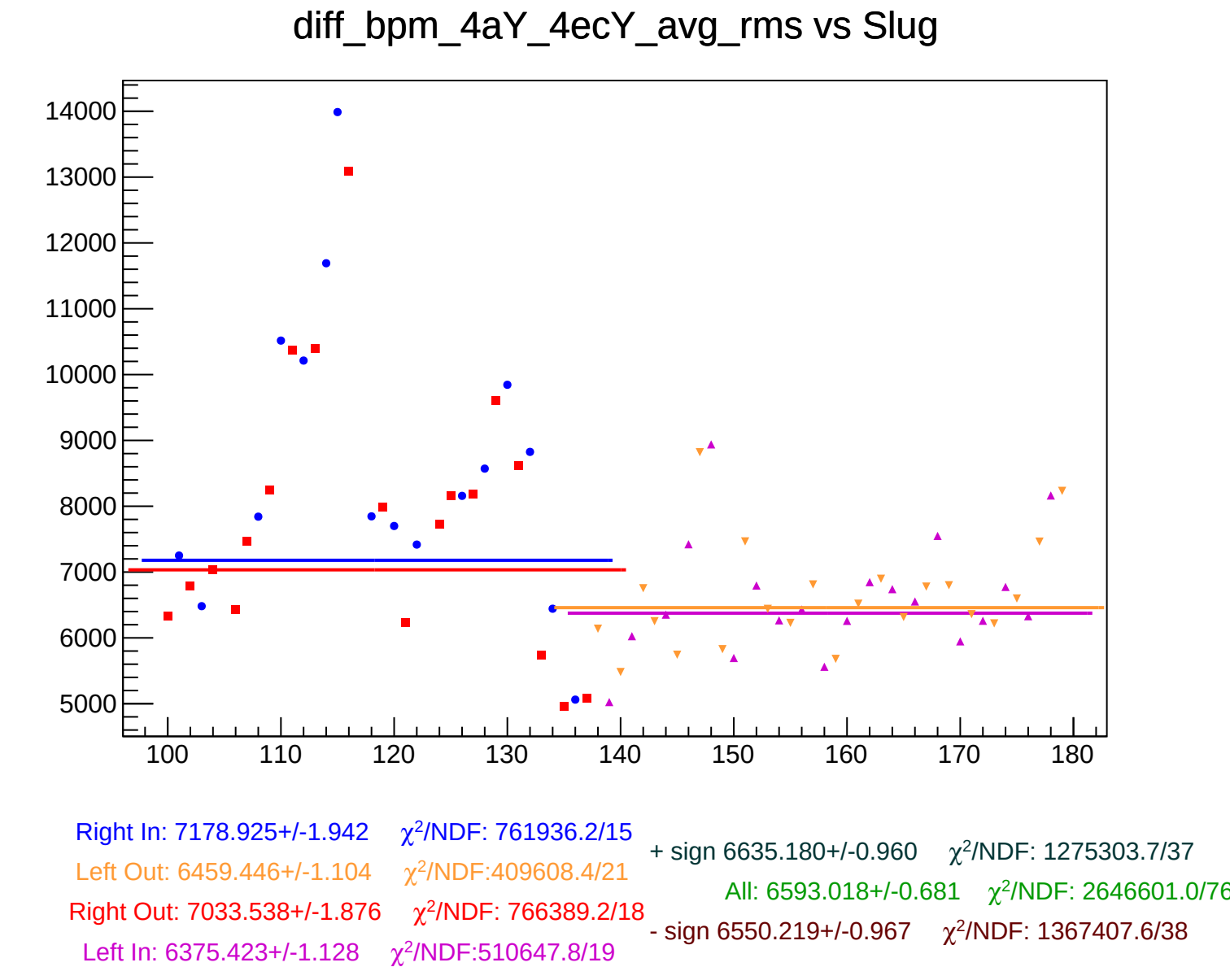
Right Out: 4.955+/-2.653 χ^2/NDF: 18.5/18

Left In: 0.252+/-1.596 χ^2/NDF:31.1/19

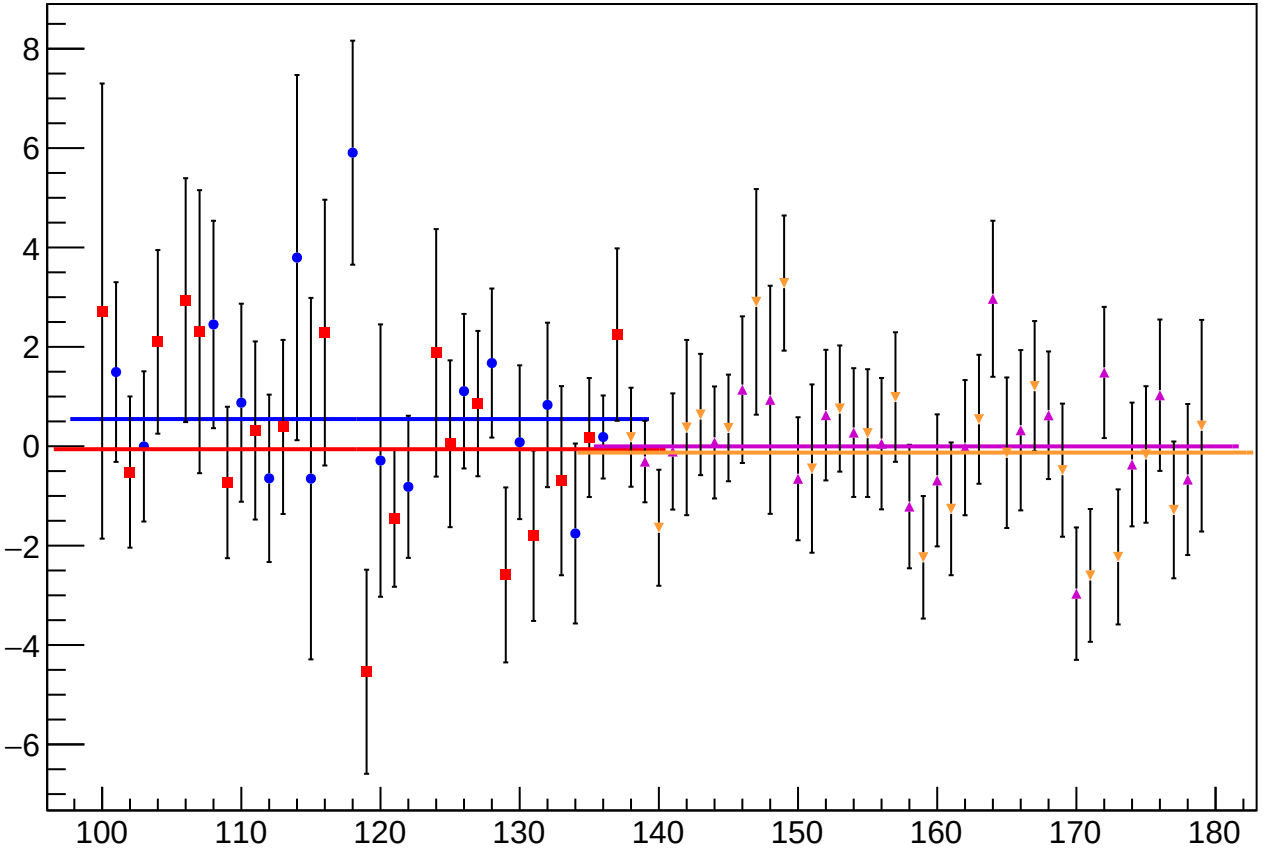
+ sign 2.155+/-1.357 χ^2/NDF: 31.3/37

All: 1.831+/-0.963 χ^2/NDF: 83.3/76

- sign 1.501+/-1.367 χ^2/NDF: 51.9/38


diff_bpm_4aY_4ecY_avg_rms vs Slug
14000
13000
12000
11000
10000
9000
8000
7000
6000
5000
100
110
120
130
140
150
160
170
180
Right In: 7178.925+/-1.942 χ²/NDF: 761936.2/15
Left Out: 6459.446+/-1.104 χ²/NDF:409608.4/21
Right Out: 7033.538+/-1.876 χ²/NDF: 766389.2/18
Left In: 6375.423+/-1.128 χ²/NDF:510647.8/19
+ sign 6635.180+/-0.960 χ²/NDF: 1275303.7/37
All: 6593.018+/-0.681 χ²/NDF: 2646601.0/76
- sign 6550.219+/-0.967 χ²/NDF: 1367407.6/38

diff_bpm_4aY_4ecY_dd_mean vs Slug



Right In: 0.547+/-0.411 χ^2/NDF: 11.9/15

Left Out: -0.127+/-0.286 χ^2/NDF:23.5/21

Right Out: -0.059+/-0.409 χ^2/NDF: 16.9/18

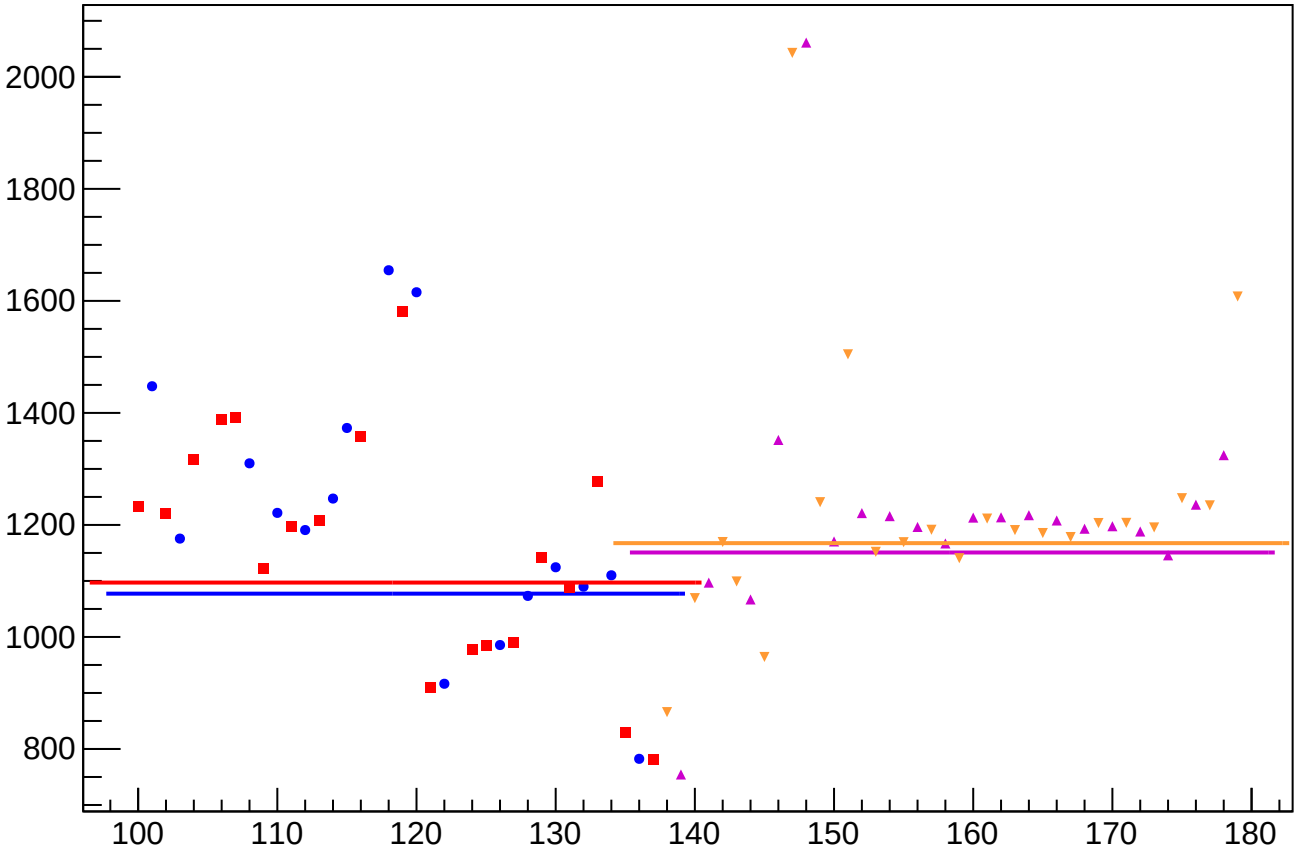
Left In: -0.003+/-0.290 χ^2/NDF:13.5/19

+ sign 0.092+/-0.234 χ^2/NDF: 37.2/37

All: 0.036+/-0.167 χ^2/NDF: 67.7/76

- sign -0.022+/-0.237 χ^2/NDF: 30.4/38

diff_bpm_4aY_4ecY_dd_rms vs Slug



Right In: 1077.306+/-0.291 χ^2/NDF: 646521.7/15

Left Out: 1167.503+/-0.202 χ^2/NDF:763931.2/21

Right Out: 1097.108+/-0.289 χ^2/NDF: 484370.7/18

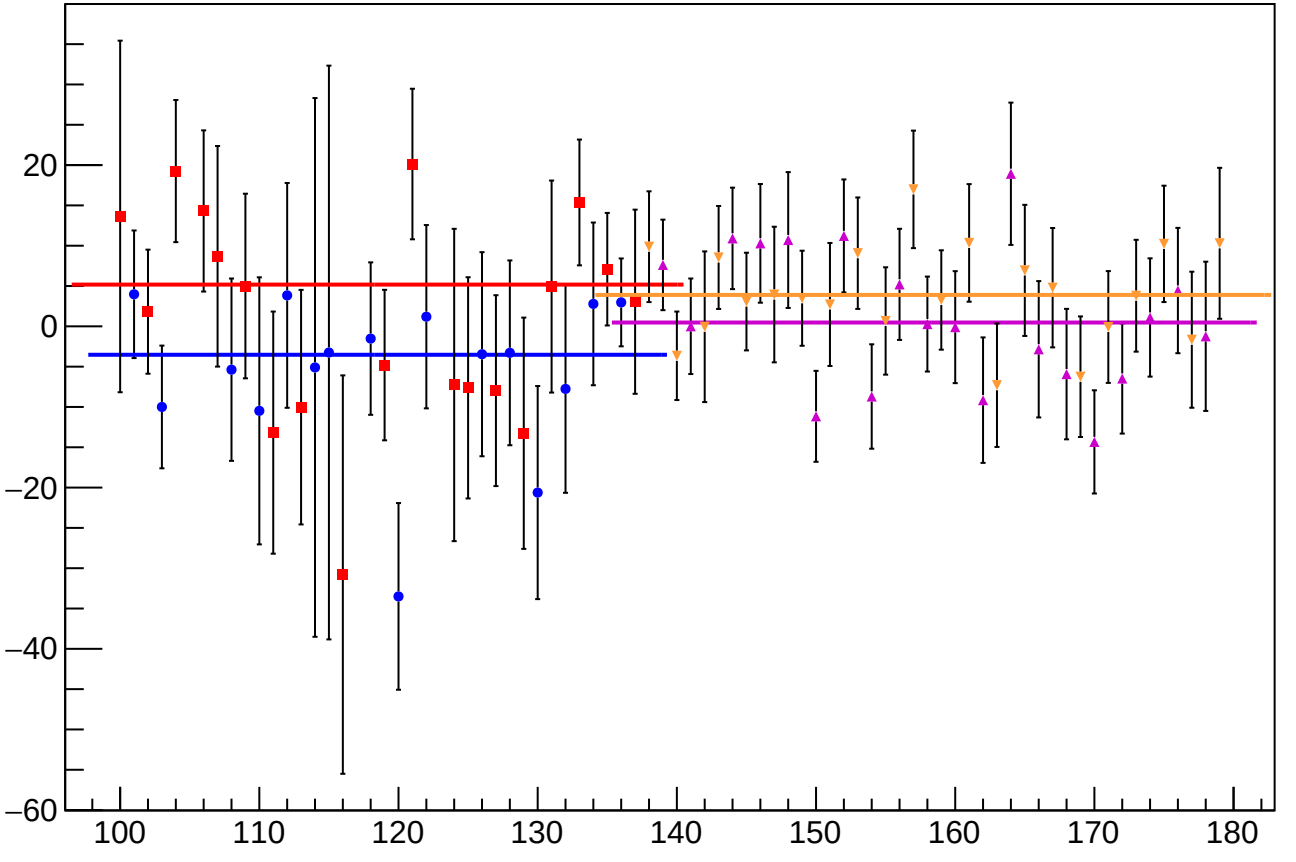
Left In: 1150.799+/-0.205 χ^2/NDF:901714.7/19

+ sign 1138.131+/-0.166 χ^2/NDF: 1475449.2/37

All: 1135.486+/-0.118 χ^2/NDF: 2884970.2/76

- sign 1132.788+/-0.167 χ^2/NDF: 1409006.7/38

diff_bpm_4eY_4ecY_avg_mean vs Slug



Right In: -3.527+/-2.608 χ^2/NDF: 12.6/15

Left Out: 3.895+/-1.508 χ^2/NDF:14.4/21

Right Out: 5.176+/-2.508 χ^2/NDF: 18.2/18

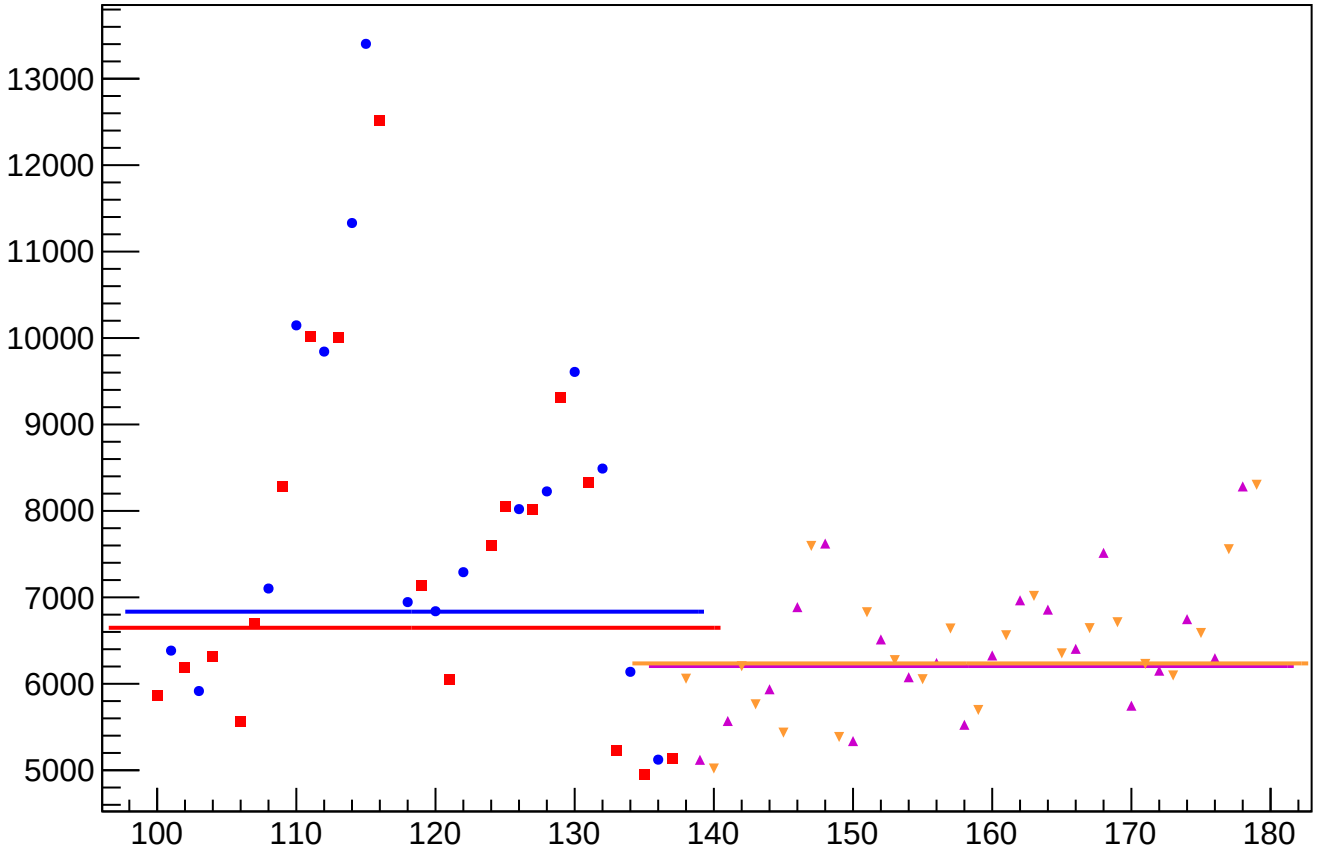
Left In: 0.472+/-1.551 χ^2/NDF:30.1/19

+ sign 2.035+/-1.306 χ^2/NDF: 33.0/37

All: 1.906+/-0.928 χ^2/NDF: 83.9/76

- sign 1.774+/-1.319 χ^2/NDF: 50.8/38

diff_bpm_4eY_4ecY_avg_rms vs Slug



Right In: 6834.346+/-1.844 χ^2/NDF: 692722.6/15

Left Out: 6235.853+/-1.066 χ^2/NDF:465832.2/21

Right Out: 6647.996+/-1.773 χ^2/NDF: 785102.6/18

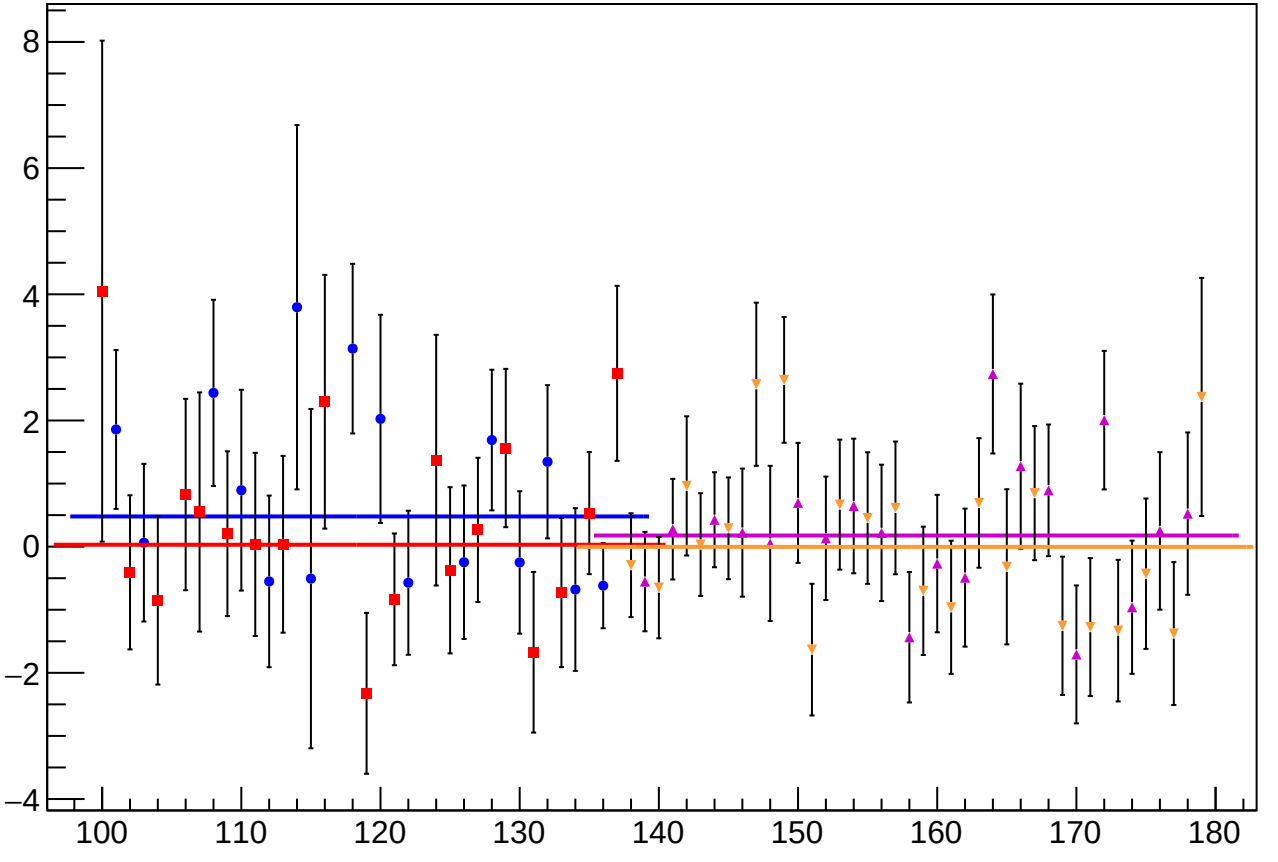
Left In: 6205.766+/-1.097 χ^2/NDF:460255.2/19

+ sign 6385.807+/-0.923 χ^2/NDF: 1237481.5/37

All: 6357.278+/-0.656 χ^2/NDF: 2529746.5/76

- sign 6328.144+/-0.933 χ^2/NDF: 1290334.6/38

diff_bpm_4eY_4ecY_dd_mean vs Slug



Right In: 0.479+/-0.311 χ^2/NDF: 16.7/15

Left Out: -0.003+/-0.219 χ^2/NDF:25.8/21

Right Out: 0.030+/-0.309 χ^2/NDF: 15.7/18

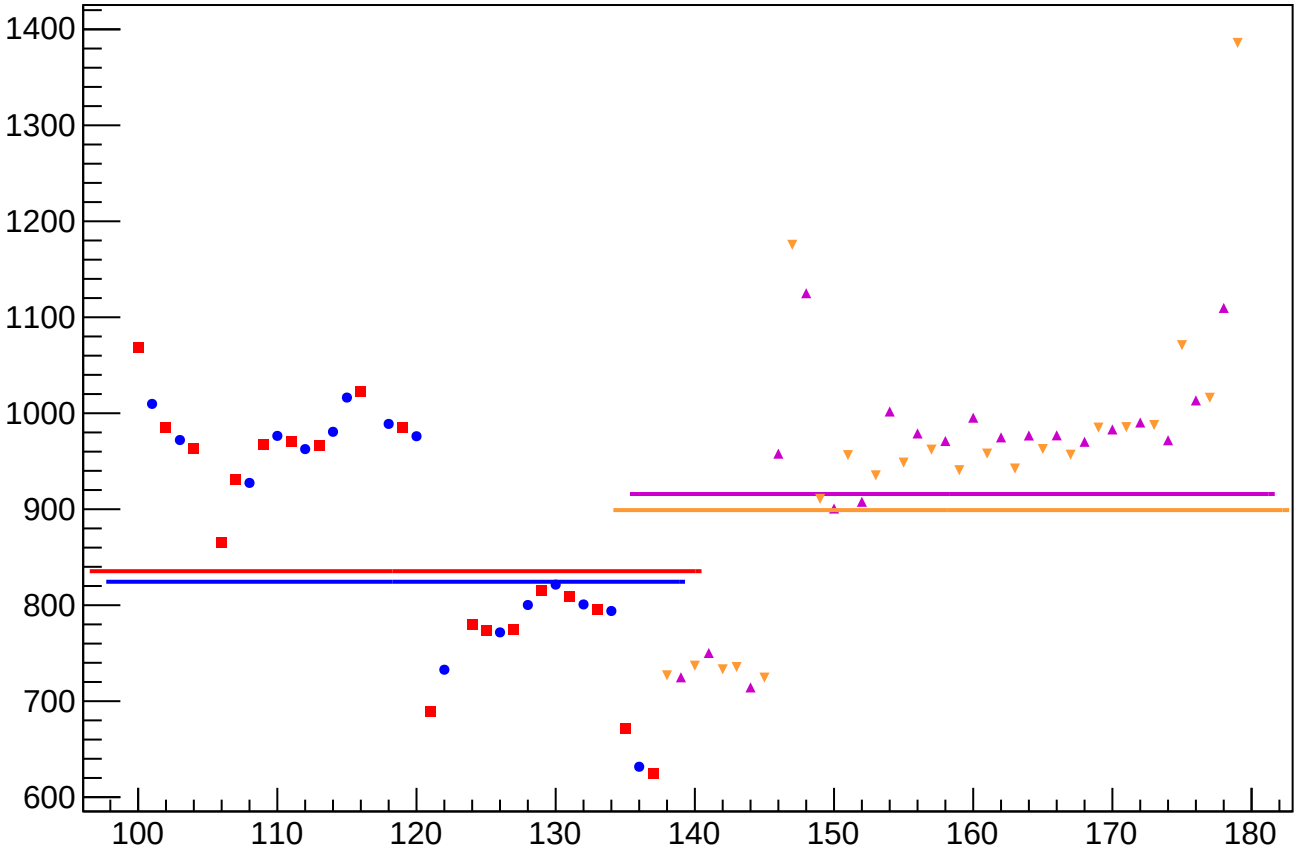
Left In: 0.177+/-0.229 χ^2/NDF:16.7/19

+ sign 0.157+/-0.179 χ^2/NDF: 44.1/37

All: 0.141+/-0.128 χ^2/NDF: 76.7/76

- sign 0.125+/-0.184 χ^2/NDF: 32.6/38

diff_bpm_4eY_4ecY_dd_rms vs Slug



Right In: 824.431+/-0.220 χ^2/NDF: 365461.7/15

Left Out: 899.081+/-0.155 χ^2/NDF:758029.5/21

Right Out: 835.437+/-0.218 χ^2/NDF: 319302.1/18

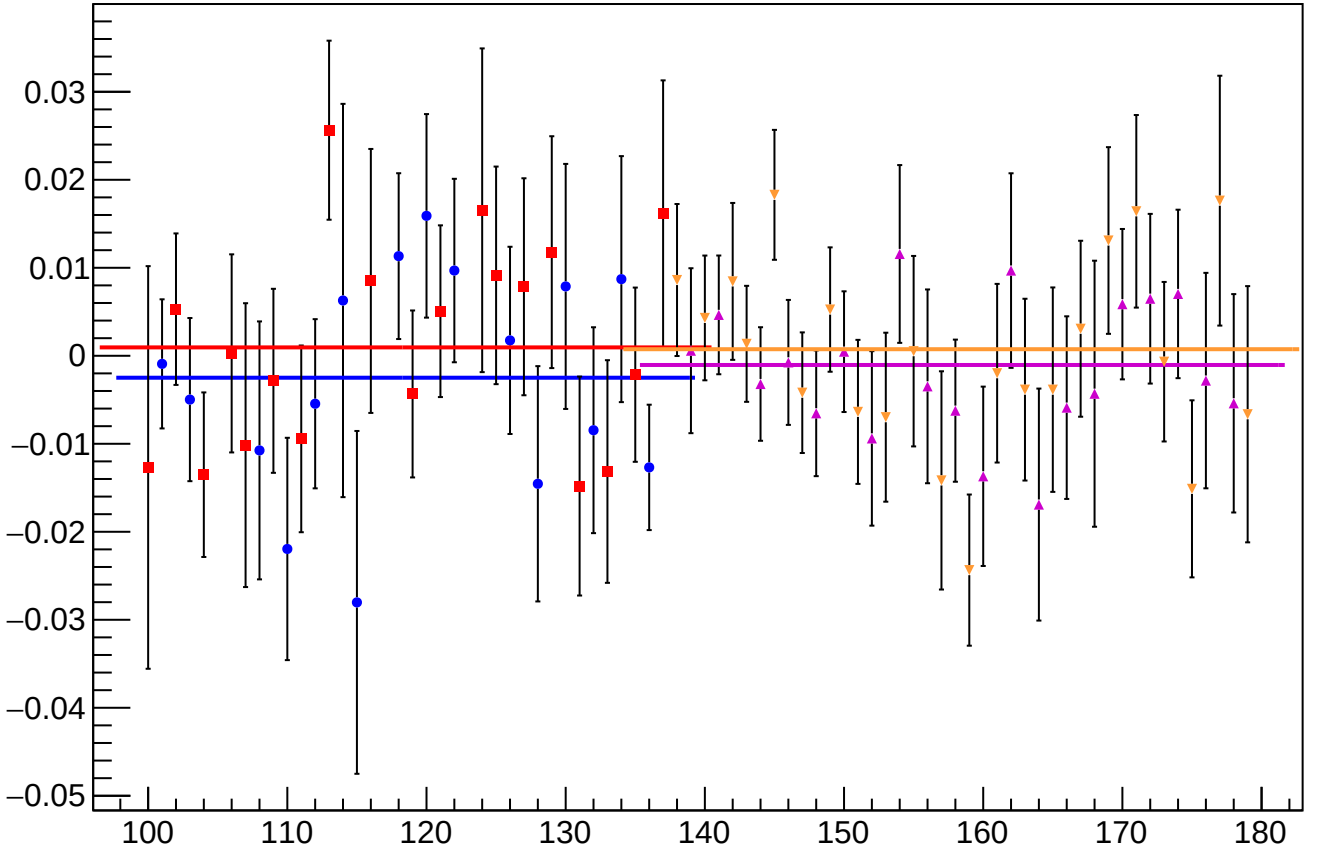
Left In: 915.857+/-0.162 χ^2/NDF:545495.6/19

+ sign 874.249+/-0.127 χ^2/NDF: 1200493.7/37

All: 880.576+/-0.091 χ^2/NDF: 2157942.0/76

- sign 887.246+/-0.130 χ^2/NDF: 952329.7/38

diff_dispE_bpm12X_mean vs Slug



Right In: -0.002+/-0.003 χ^2/NDF: 15.3/15

Left Out: 0.001+/-0.002 χ^2/NDF:27.9/21

Right Out: 0.001+/-0.003 χ^2/NDF: 17.3/18

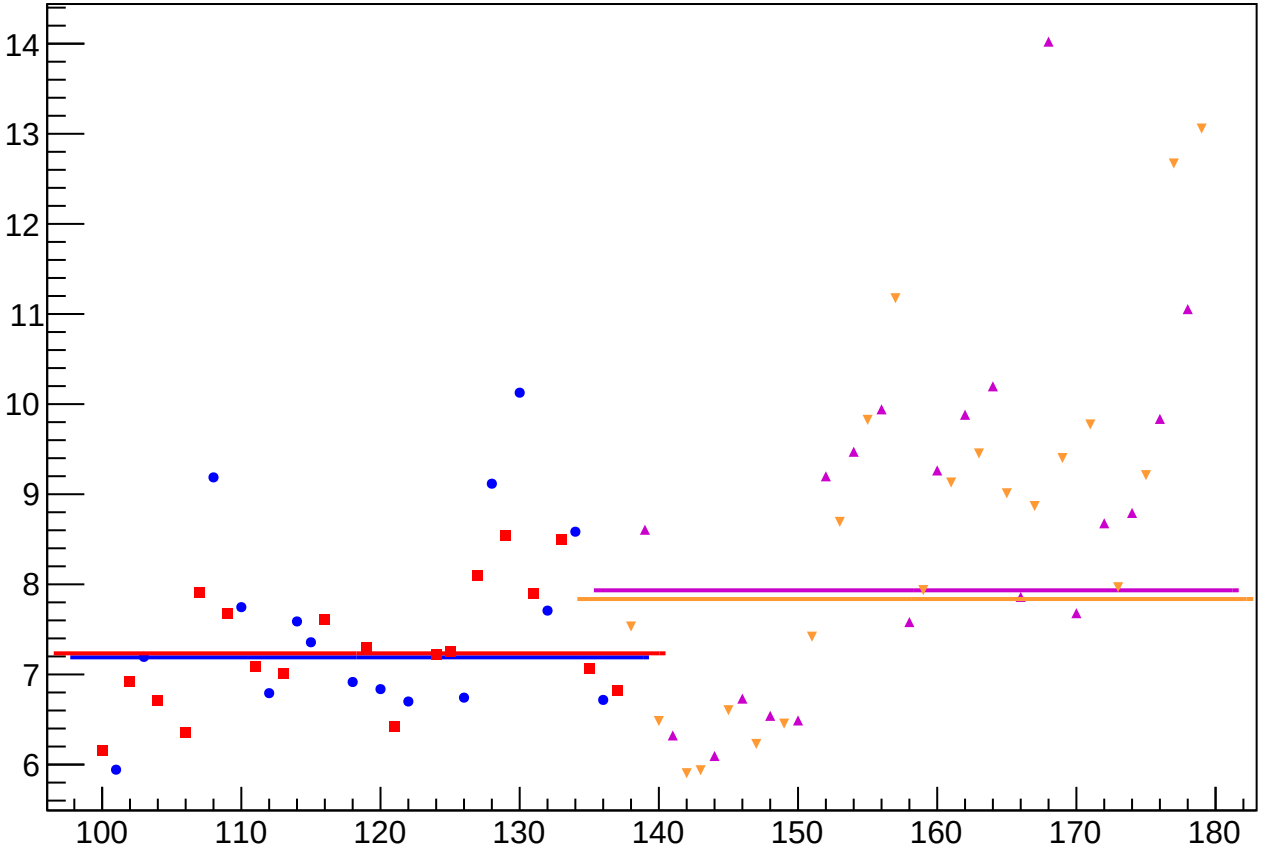
Left In: -0.001+/-0.002 χ^2/NDF:10.5/19

+ sign -0.000+/-0.002 χ^2/NDF: 44.1/37

All: -0.000+/-0.001 χ^2/NDF: 72.3/76

- sign -0.000+/-0.002 χ^2/NDF: 28.2/38

diff_dispE_bpm12X_rms vs Slug



Right In: 7.190+/-0.002 χ^2/NDF: 277639.9/15

Left Out: 7.837+/-0.001 χ^2/NDF:1568245.0/21

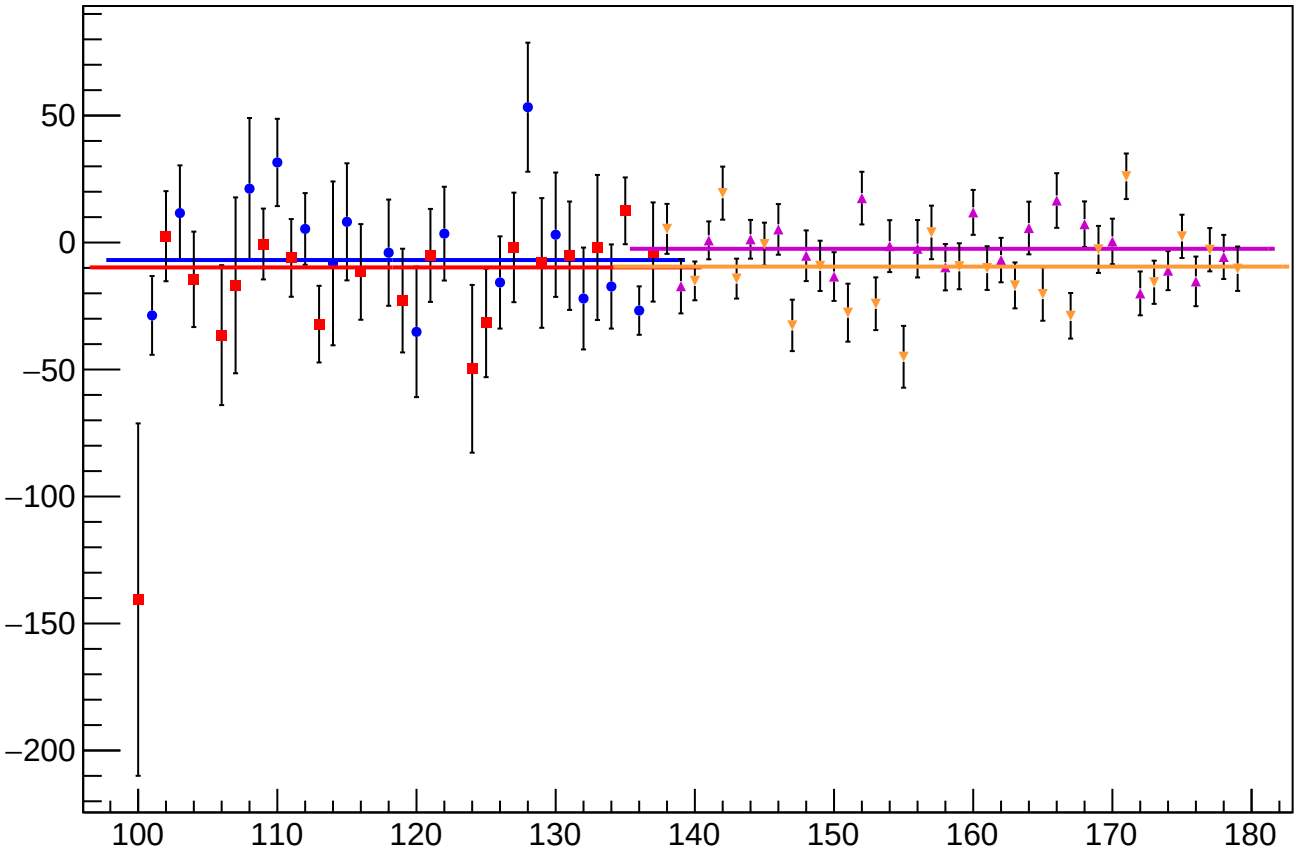
Right Out: 7.234+/-0.002 χ^2/NDF: 106266.0/18

Left In: 7.934+/-0.001 χ^2/NDF:1342229.7/19

+ sign 7.619+/-0.001 χ^2/NDF: 1921582.1/37

All: 7.649+/-0.001 χ^2/NDF: 3459544.0/76

- sign 7.679+/-0.001 χ^2/NDF: 1536517.0/38



Right In: -6.891+/-4.488 χ^2/NDF: 23.0/15

Left Out: -9.483+/-1.971 χ^2/NDF:57.6/21

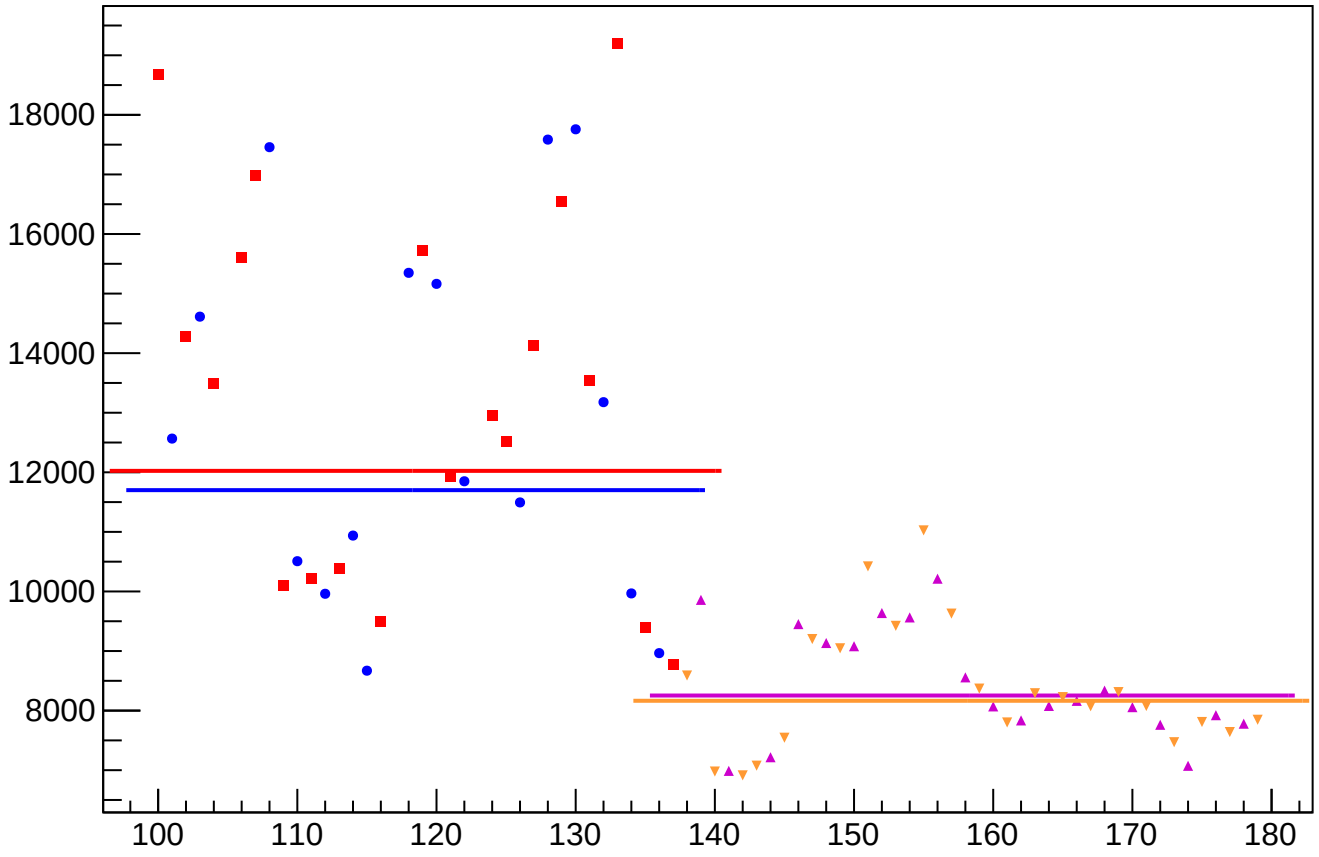
Right Out: -9.790+/-4.517 χ^2/NDF: 14.0/18

Left In: -2.470+/-2.058 χ^2/NDF:23.8/19

+ sign -9.064+/-1.805 χ^2/NDF: 80.9/37

All: -6.495+/-1.300 χ^2/NDF: 125.0/76

- sign -3.728+/-1.873 χ^2/NDF: 39.9/38



Right In: 11700.622+/-3.174 χ^2/NDF: 740185.3/15

Left Out: 8165.072+/-1.394 χ^2/NDF:456118.3/21

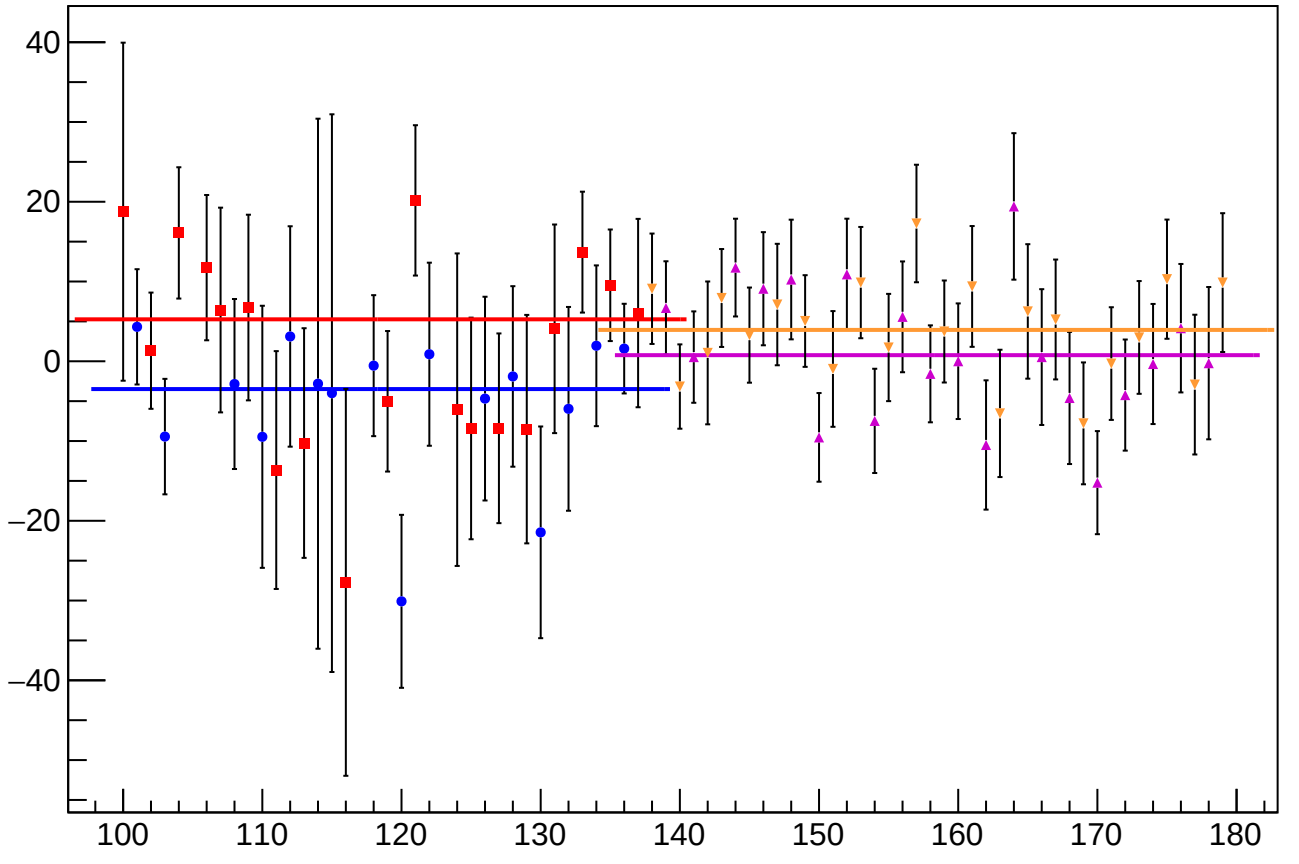
Right Out: 12024.262+/-3.194 χ^2/NDF: 684788.9/18

Left In: 8253.177+/-1.455 χ^2/NDF:398415.7/19

+ sign 8736.717+/-1.276 χ^2/NDF: 2236652.7/37

All: 8815.944+/-0.919 χ^2/NDF: 4482113.9/76

- sign 8901.244+/-1.324 χ^2/NDF: 2237457.3/38



Right In: -3.485+/-2.550 χ^2/NDF: 11.5/15

Left Out: 3.933+/-1.504 χ^2/NDF:14.6/21

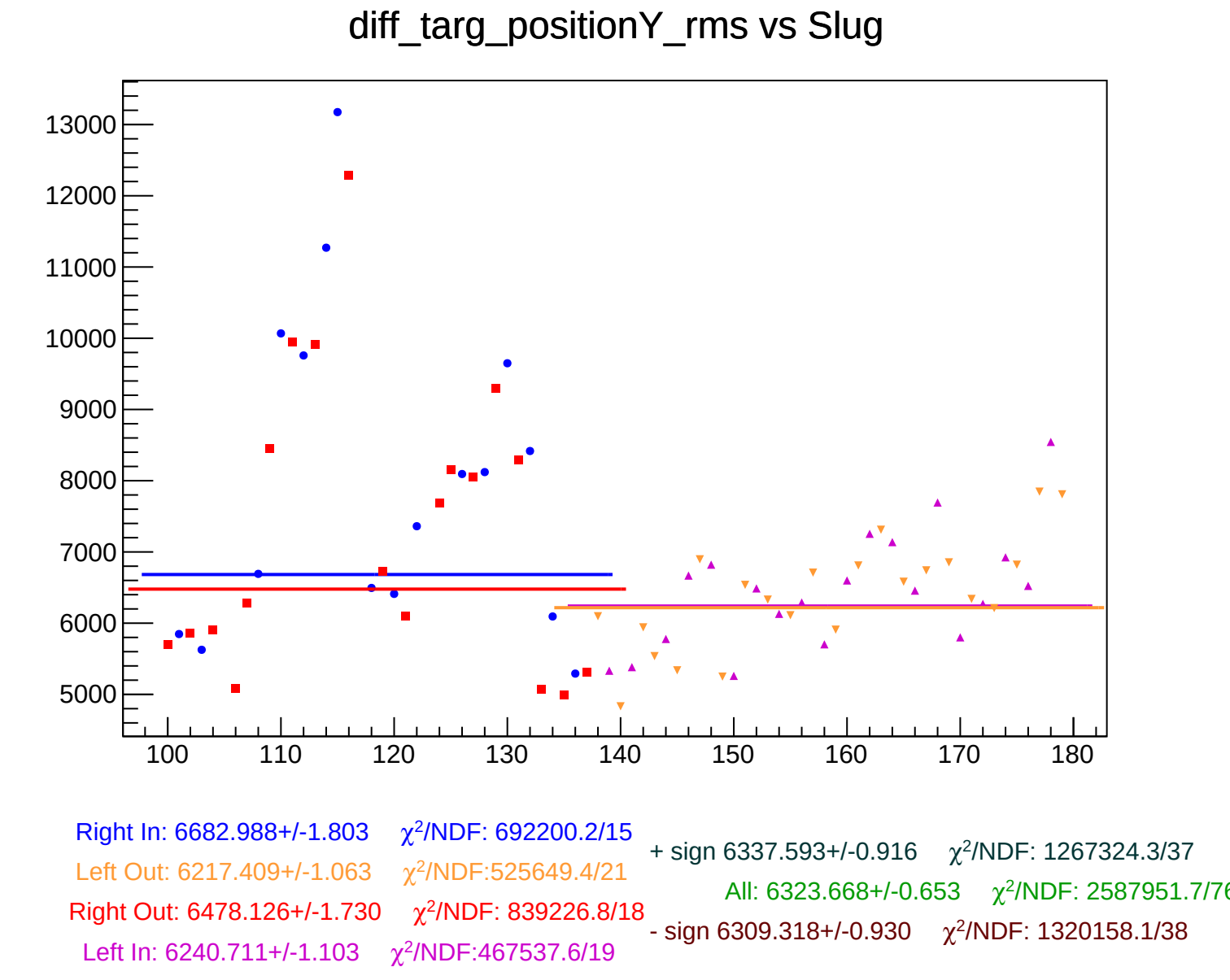
Right Out: 5.259+/-2.446 χ^2/NDF: 16.6/18

Left In: 0.766+/-1.560 χ^2/NDF:28.3/19

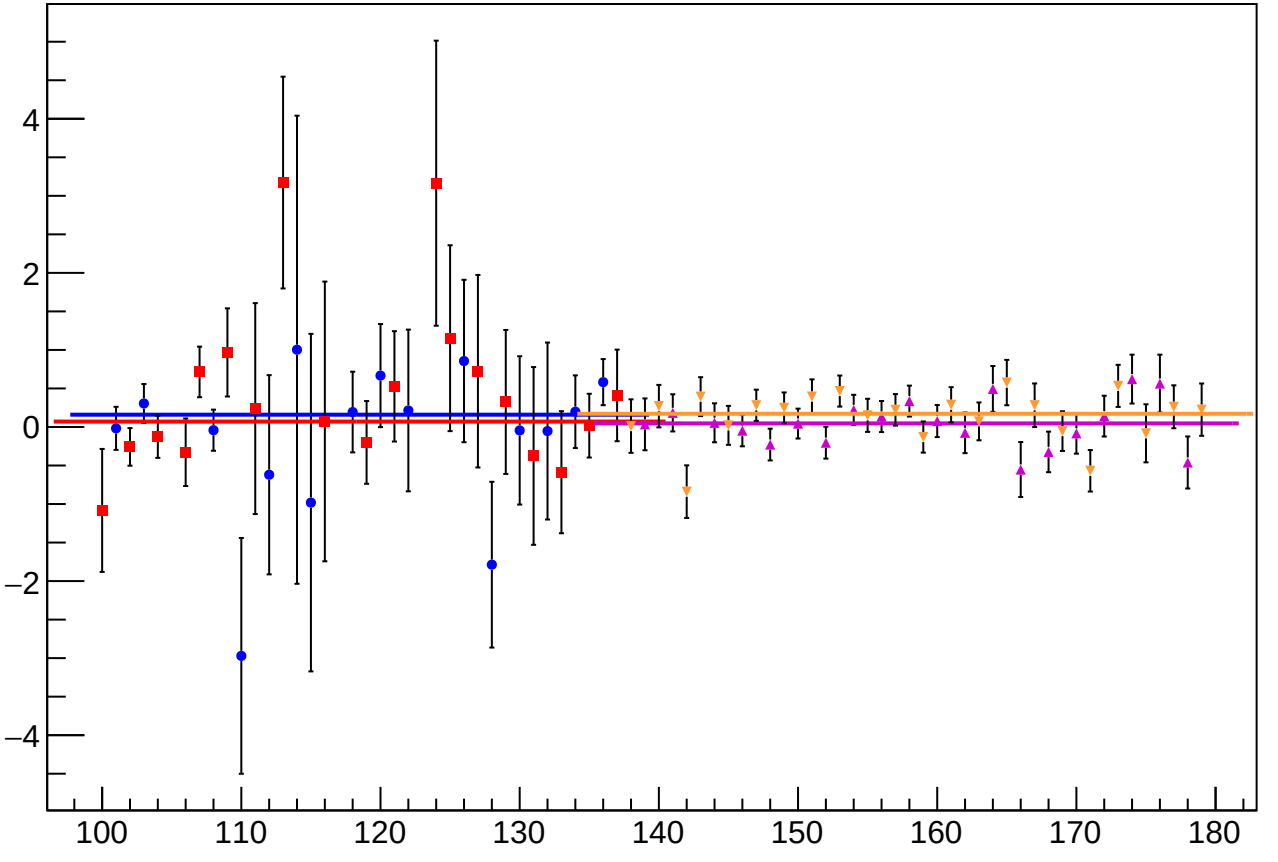
+ sign 2.018+/-1.295 χ^2/NDF: 32.3/37

All: 2.041+/-0.923 χ^2/NDF: 79.6/76

- sign 2.065+/-1.315 χ^2/NDF: 47.3/38


diff_targ_positionY_rms vs Slug
13000
12000
11000
10000
9000
8000
7000
6000
5000
100
110
120
130
140
150
160
170
180
Right In: 6682.988+/-1.803 χ²/NDF: 692200.2/15
Left Out: 6217.409+/-1.063 χ²/NDF:525649.4/21
Right Out: 6478.126+/-1.730 χ²/NDF: 839226.8/18
Left In: 6240.711+/-1.103 χ²/NDF:467537.6/19
+ sign 6337.593+/-0.916 χ²/NDF: 1267324.3/37
All: 6323.668+/-0.653 χ²/NDF: 2587951.7/76
- sign 6309.318+/-0.930 χ²/NDF: 1320158.1/38

diff_targ_thetaX_mean vs Slug



Right In: 0.160+/-0.120 χ^2/NDF: 12.6/15

Left Out: 0.171+/-0.053 χ^2/NDF:29.2/21

Right Out: 0.070+/-0.120 χ^2/NDF: 22.5/18

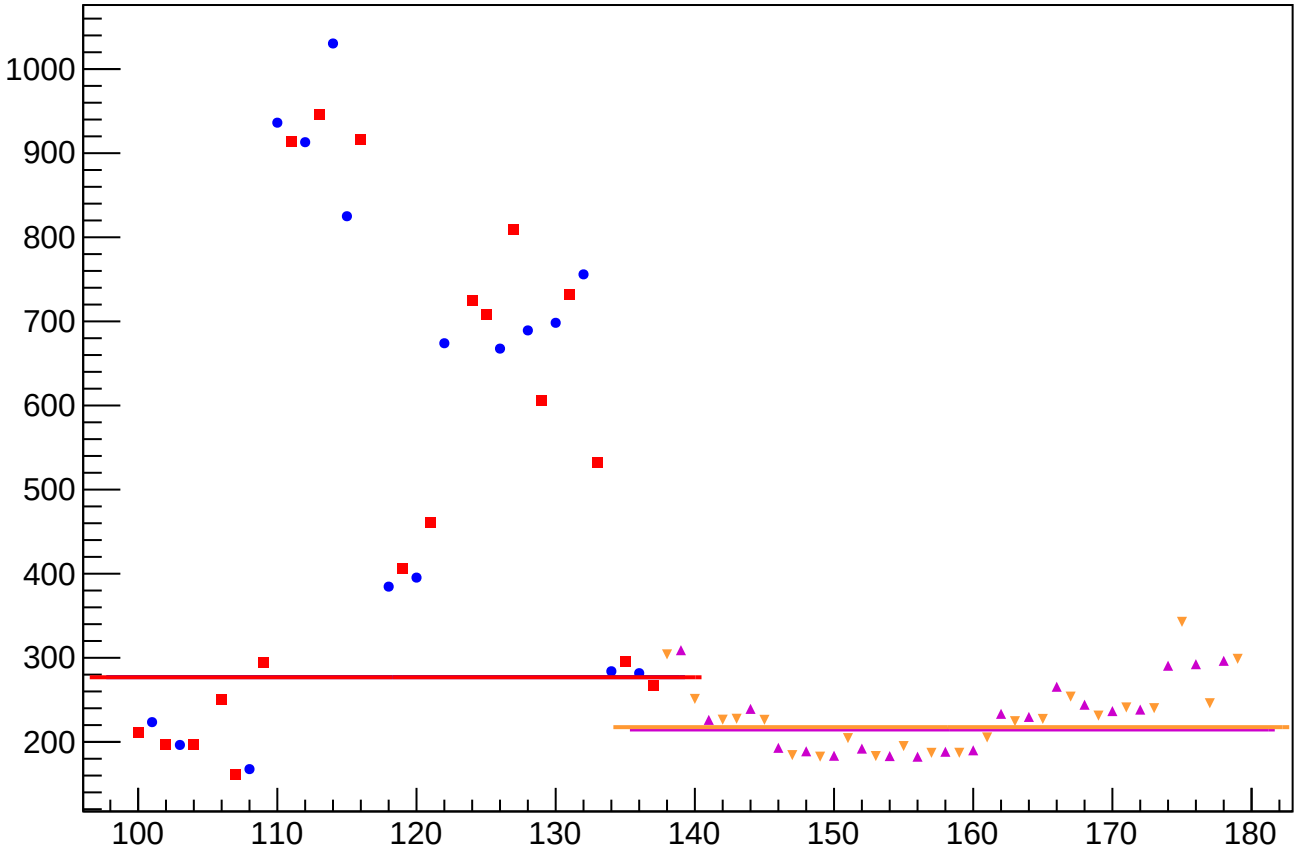
Left In: 0.047+/-0.054 χ^2/NDF:22.0/19

+ sign 0.169+/-0.048 χ^2/NDF: 41.8/37

All: 0.111+/-0.035 χ^2/NDF: 89.2/76

- sign 0.051+/-0.049 χ^2/NDF: 44.5/38

diff_targ_thetaX_rms vs Slug



Right In: 277.017+/-0.085 χ^2/NDF: 3450533.8/15

Left Out: 217.546+/-0.037 χ^2/NDF:886557.3/21

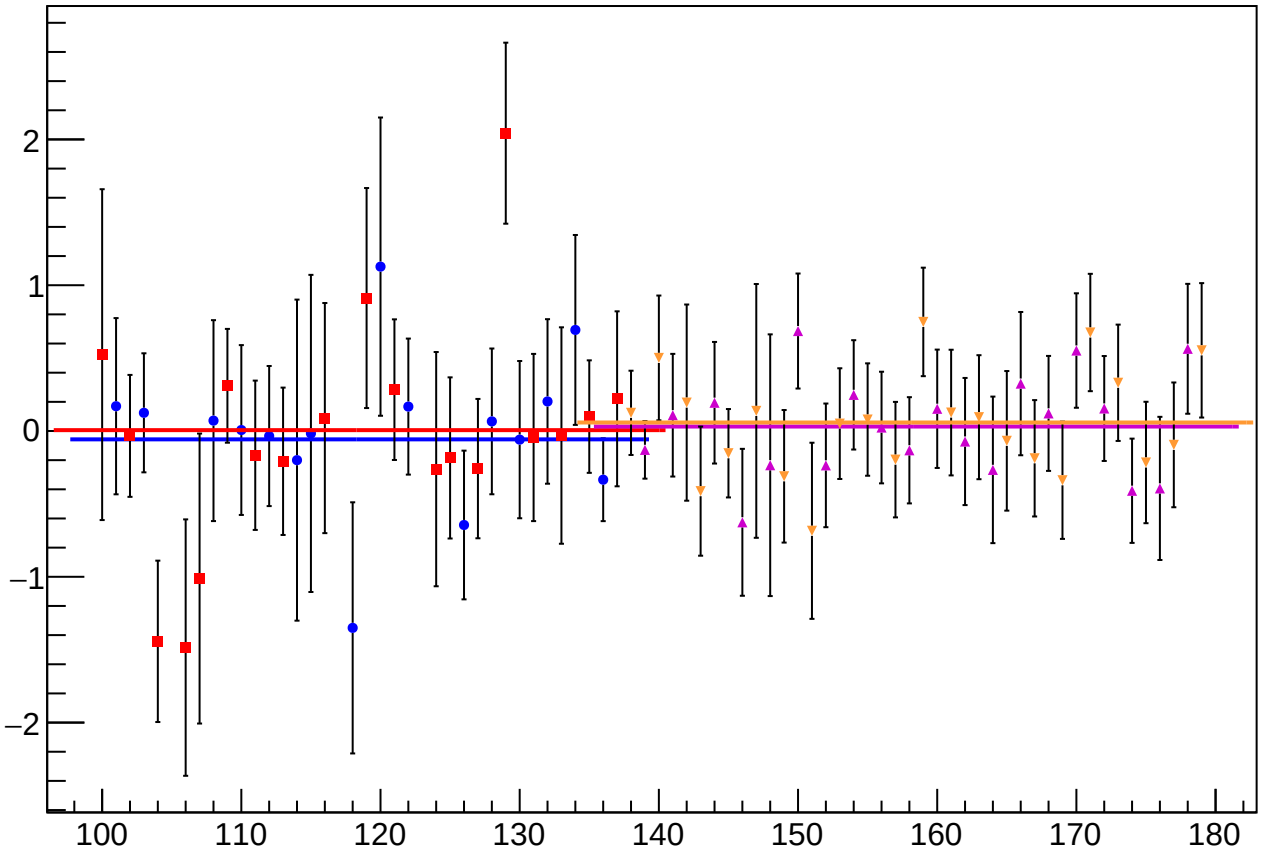
Right Out: 276.866+/-0.085 χ^2/NDF: 3571620.7/18

Left In: 214.776+/-0.038 χ^2/NDF:905406.6/19

+ sign 227.307+/-0.034 χ^2/NDF: 4750574.1/37

All: 226.340+/-0.024 χ^2/NDF: 9675837.7/76

- sign 225.336+/-0.035 χ^2/NDF: 4923639.9/38



Right In: -0.057+/-0.134 χ^2/NDF: 8.1/15

Left Out: 0.058+/-0.088 χ^2/NDF:14.8/21

Right Out: 0.006+/-0.129 χ^2/NDF: 25.2/18

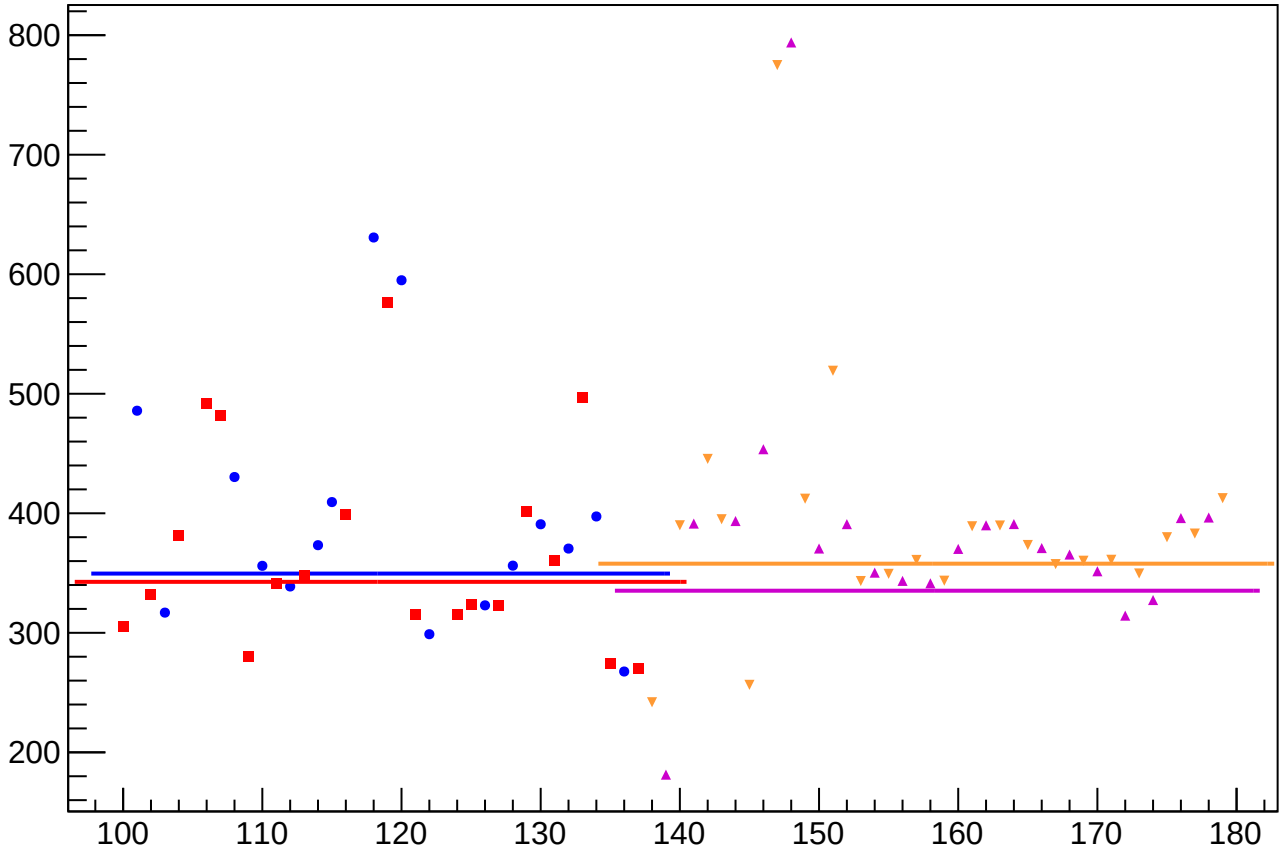
Left In: 0.031+/-0.087 χ^2/NDF:12.8/19

+ sign 0.023+/-0.074 χ^2/NDF: 23.4/37

All: 0.023+/-0.052 χ^2/NDF: 61.4/76

- sign 0.023+/-0.072 χ^2/NDF: 38.0/38

diff_targ_thetaY_rms vs Slug



Right In: 349.560+/-0.095 χ^2/NDF: 699303.9/15

Left Out: 357.842+/-0.063 χ^2/NDF:1308413.8/21

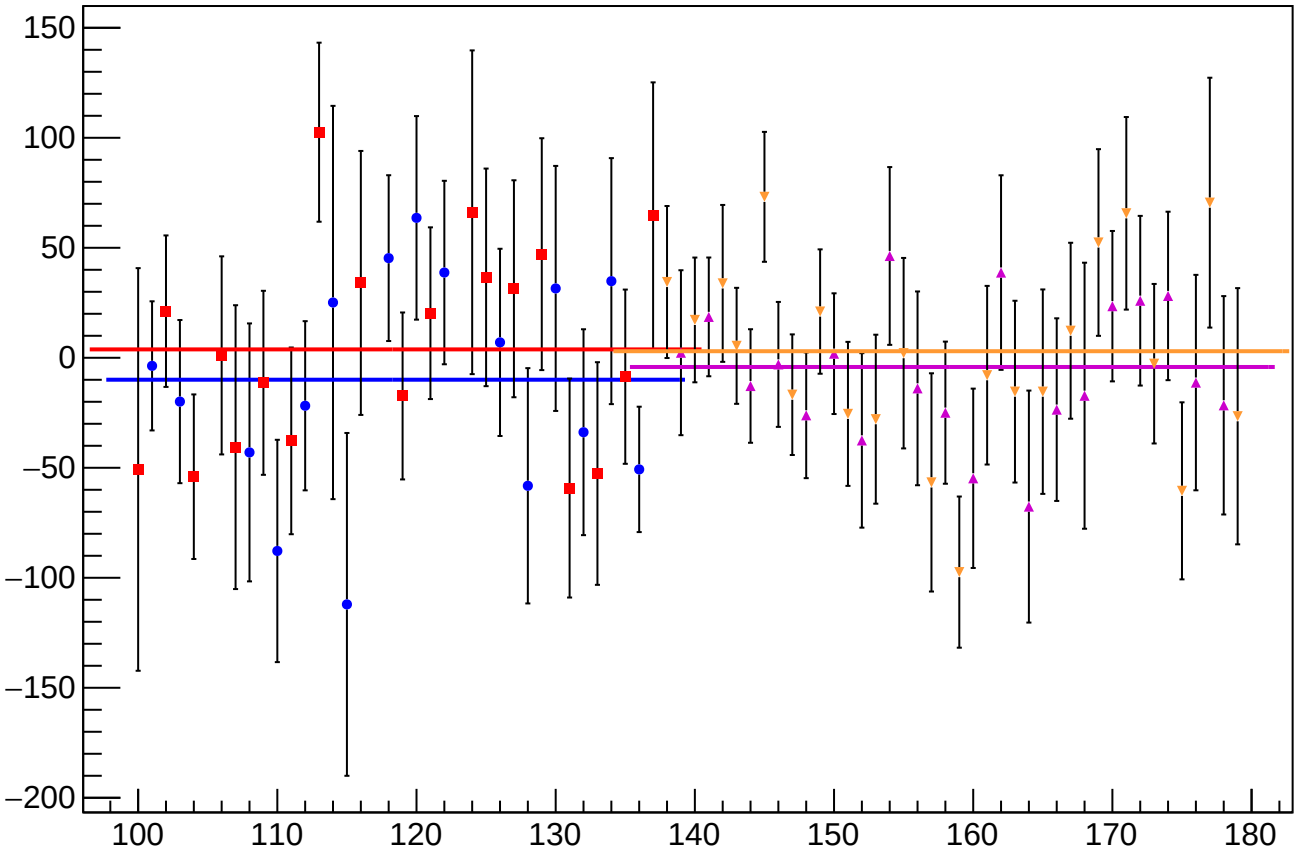
Right Out: 342.641+/-0.091 χ^2/NDF: 575759.9/18

Left In: 335.223+/-0.061 χ^2/NDF:2149237.2/19

\+ sign 355.325+/-0.052 χ^2/NDF: 2013050.7/37

All: 346.215+/-0.036 χ^2/NDF: 4802161.4/76

\- sign 337.536+/-0.051 χ^2/NDF: 2729553.8/38



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 2.989+/-7.721 χ^2/NDF:27.9/21

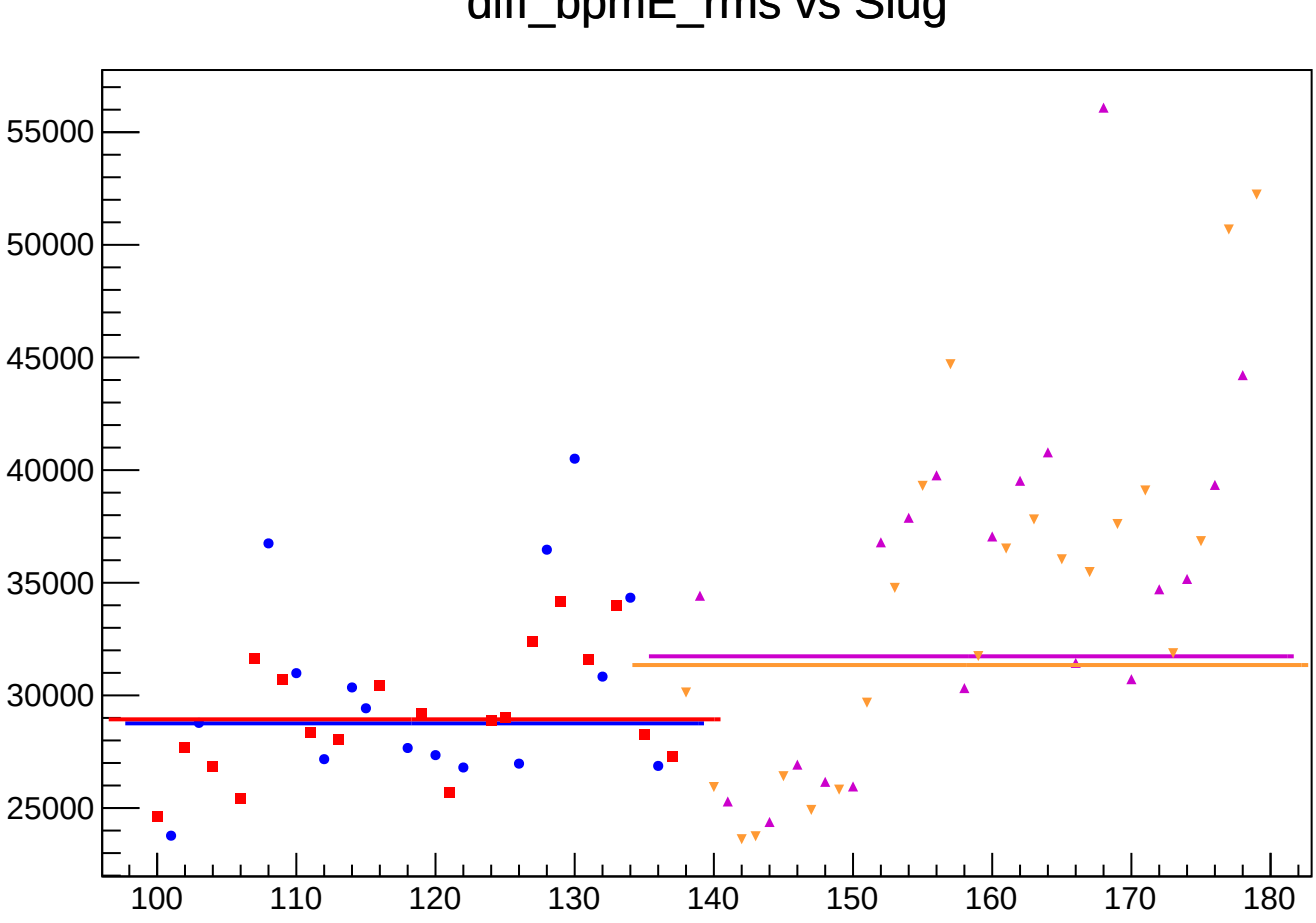
Right Out: 3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: -4.179+/-8.042 χ^2/NDF:10.5/19

+ sign -1.374+/-6.288 χ^2/NDF: 44.1/37

All: -1.324+/-4.490 χ^2/NDF: 72.3/76

- sign -1.272+/-6.415 χ^2/NDF: 28.2/38



Right In: 28759.090+/-7.662 χ^2/NDF: 277639.9/15

Left Out: 31347.627+/-5.459 χ^2/NDF:1568245.0/21

Right Out: 28937.633+/-7.521 χ^2/NDF: 106266.0/18

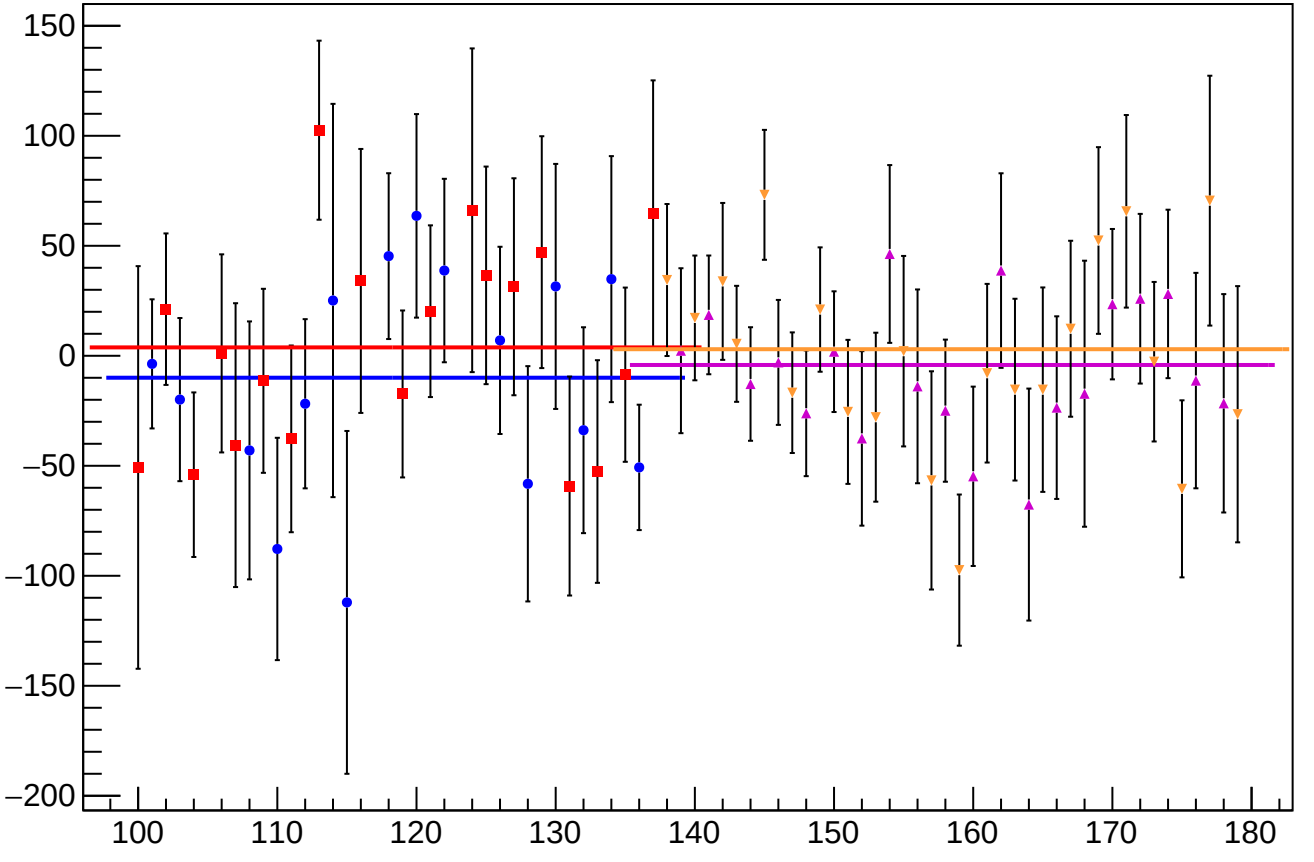
Left In: 31735.016+/-5.687 χ^2/NDF:1342229.7/19

+ sign 30476.031+/-4.446 χ^2/NDF: 1921582.1/37

All: 30594.340+/-3.175 χ^2/NDF: 3459544.0/7

- sign 30717.472+/-4.536 χ^2/NDF: 1536517.0/38

diff_bpmEX_mean vs Slug



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 2.989+/-7.721 χ^2/NDF:27.9/21

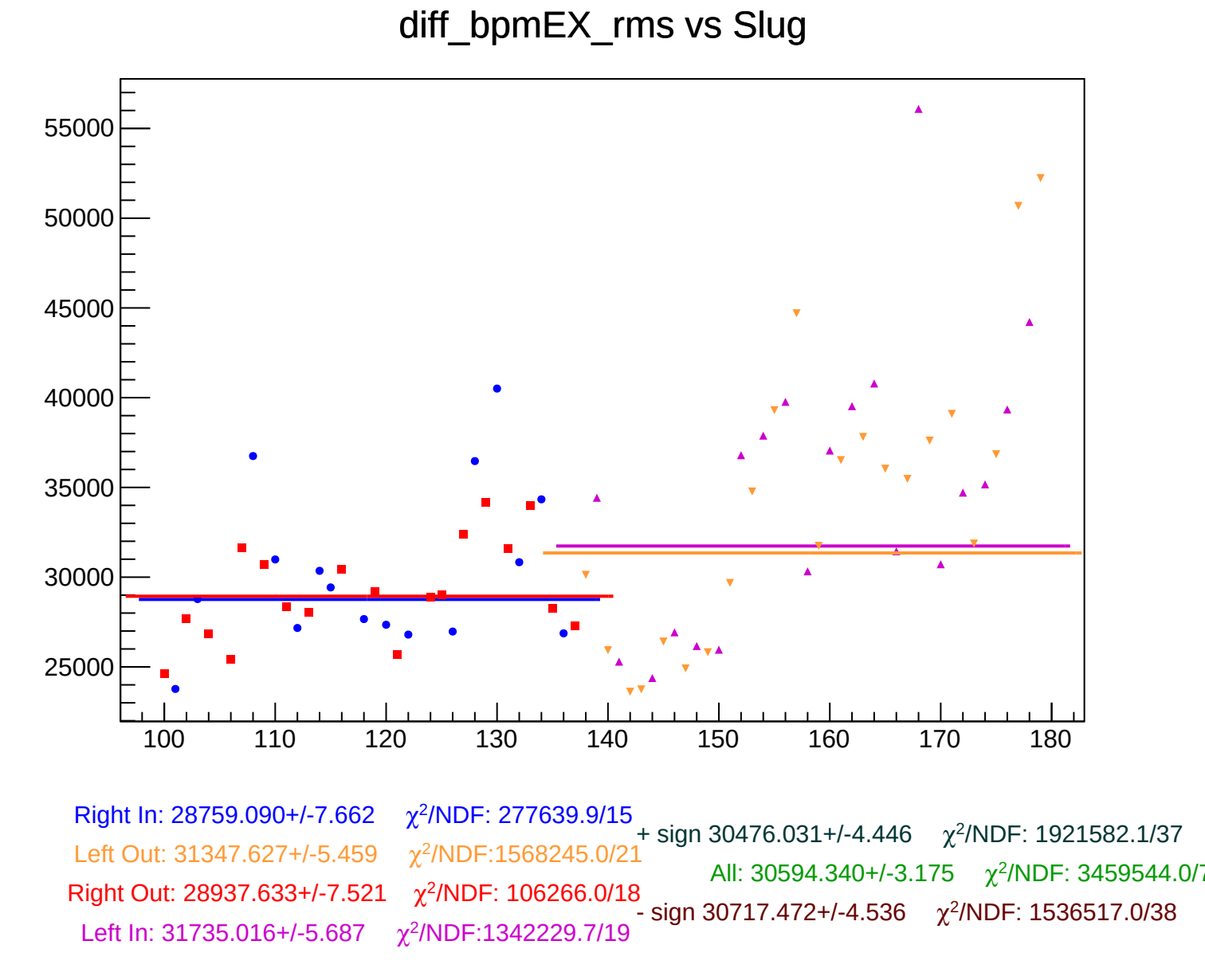
Right Out: 3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: -4.179+/-8.042 χ^2/NDF:10.5/19

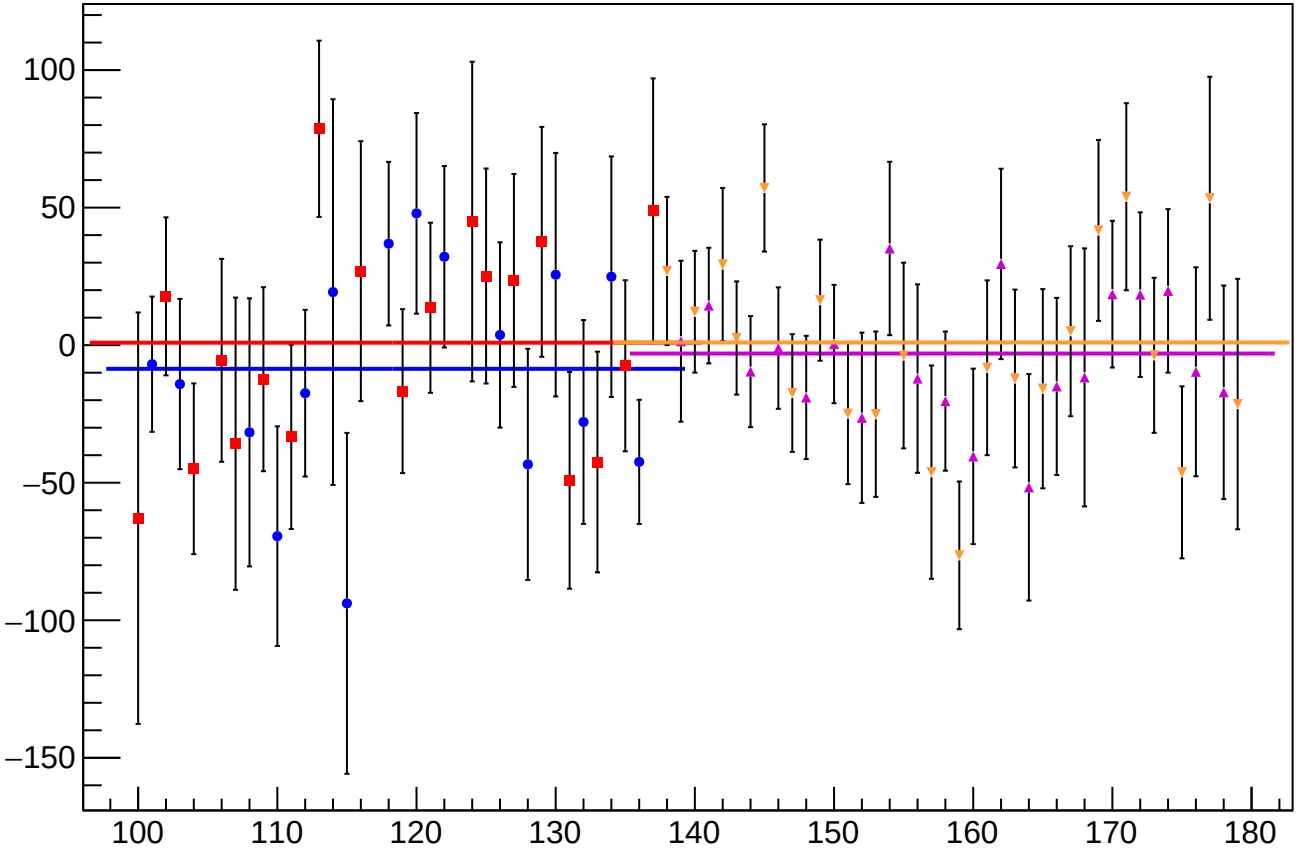
\+ sign -1.374+/-6.288 χ^2/NDF: 44.1/37

All: -1.324+/-4.490 χ^2/NDF: 72.3/76

\- sign -1.272+/-6.415 χ^2/NDF: 28.2/38


diff_bpmEX_rms vs Slug
55000
50000
45000
40000
35000
30000
25000
100
110
120
130
140
150
160
170
180
Right In: 28759.090+/-7.662 χ²/NDF: 277639.9/15
Left Out: 31347.627+/-5.459 χ²/NDF:1568245.0/21
Right Out: 28937.633+/-7.521 χ²/NDF: 106266.0/18
Left In: 31735.016+/-5.687 χ²/NDF:1342229.7/19
+ sign 30476.031+/-4.446 χ²/NDF: 1921582.1/37
All: 30594.340+/-3.175 χ²/NDF: 3459544.0/7
- sign 30717.472+/-4.536 χ²/NDF: 1536517.0/38

diff_bpmE_11X12X_mean vs Slug



Right In: -8.599+/-8.678 χ^2/NDF: 15.5/15

Left Out: 0.972+/-6.022 χ^2/NDF:29.3/21

Right Out: 0.904+/-8.506 χ^2/NDF: 17.6/18

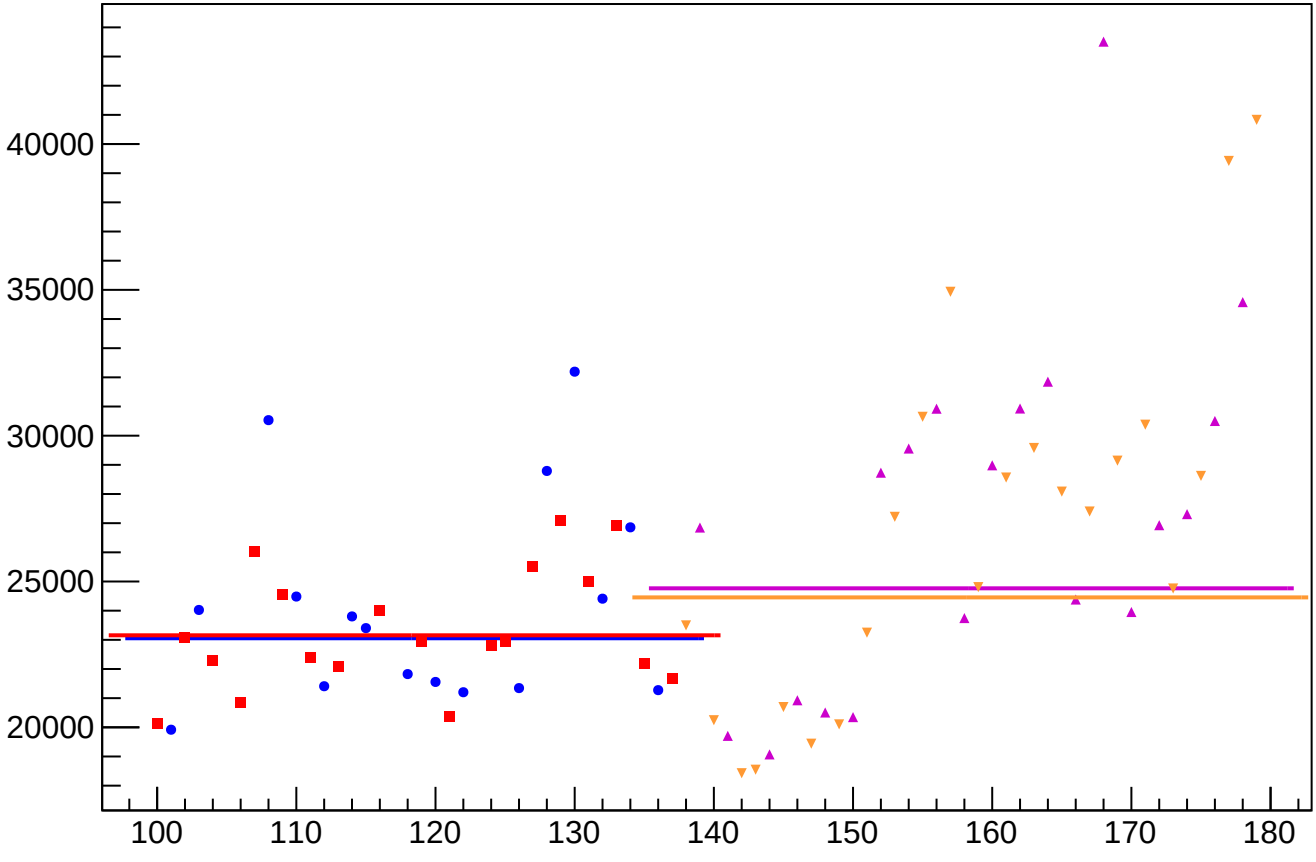
Left In: -3.045+/-6.275 χ^2/NDF:9.7/19

+ sign -2.139+/-4.947 χ^2/NDF: 45.7/37

All: -1.901+/-3.534 χ^2/NDF: 73.1/76

- sign -1.653+/-5.049 χ^2/NDF: 27.4/38

diff_bpmE_11X12X_rms vs Slug



Right In: 23053.910+/-6.137 χ^2/NDF: 261444.9/15

Left Out: 24454.984+/-4.258 χ^2/NDF:1557227.3/21

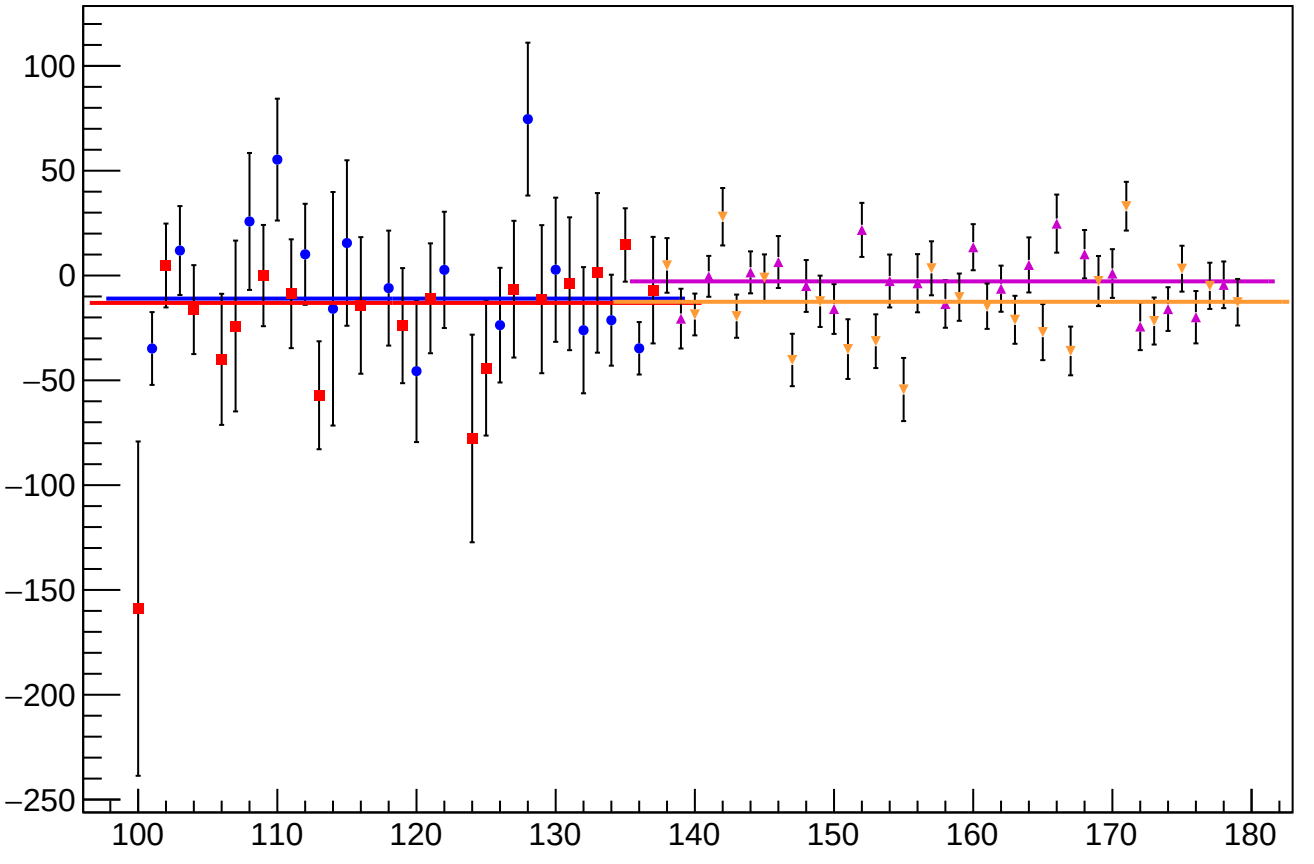
Right Out: 23155.251+/-6.015 χ^2/NDF: 93894.1/18

Left In: 24766.228+/-4.437 χ^2/NDF:1326986.2/19

+ sign 23999.642+/-3.498 χ^2/NDF: 1853858.7/37

All: 24097.040+/-2.499 χ^2/NDF: 3322780.6/7

- sign 24198.497+/-3.571 χ^2/NDF: 1467339.4/38



Right In: -11.002+/-6.155 χ^2/NDF: 22.0/15

Left Out: -12.529+/-2.521 χ^2/NDF:56.4/21

Right Out: -13.071+/-6.382 χ^2/NDF: 13.9/18

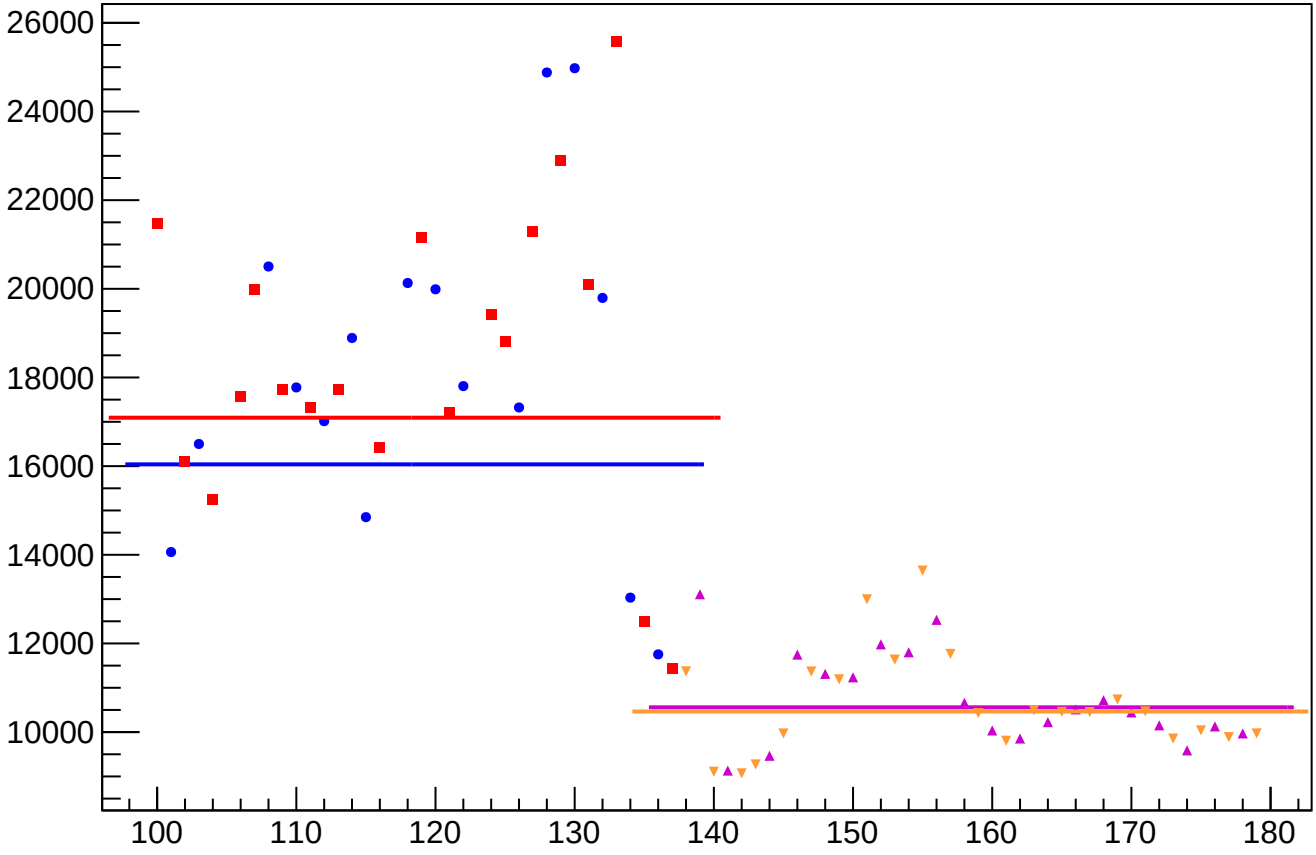
Left In: -2.790+/-2.628 χ^2/NDF:23.3/19

+ sign -12.310+/-2.333 χ^2/NDF: 78.5/37

All: -8.459+/-1.683 χ^2/NDF: 123.5/76

- sign -4.281+/-2.430 χ^2/NDF: 39.3/38

diff_bpm4aesumX_rms vs Slug



Right In: 16040.060+/-4.352 χ^2/NDF: 722678.9/15

Left Out: 10464.559+/-1.783 χ^2/NDF:331883.1/21

Right Out: 17092.658+/-4.513 χ^2/NDF: 535464.0/18

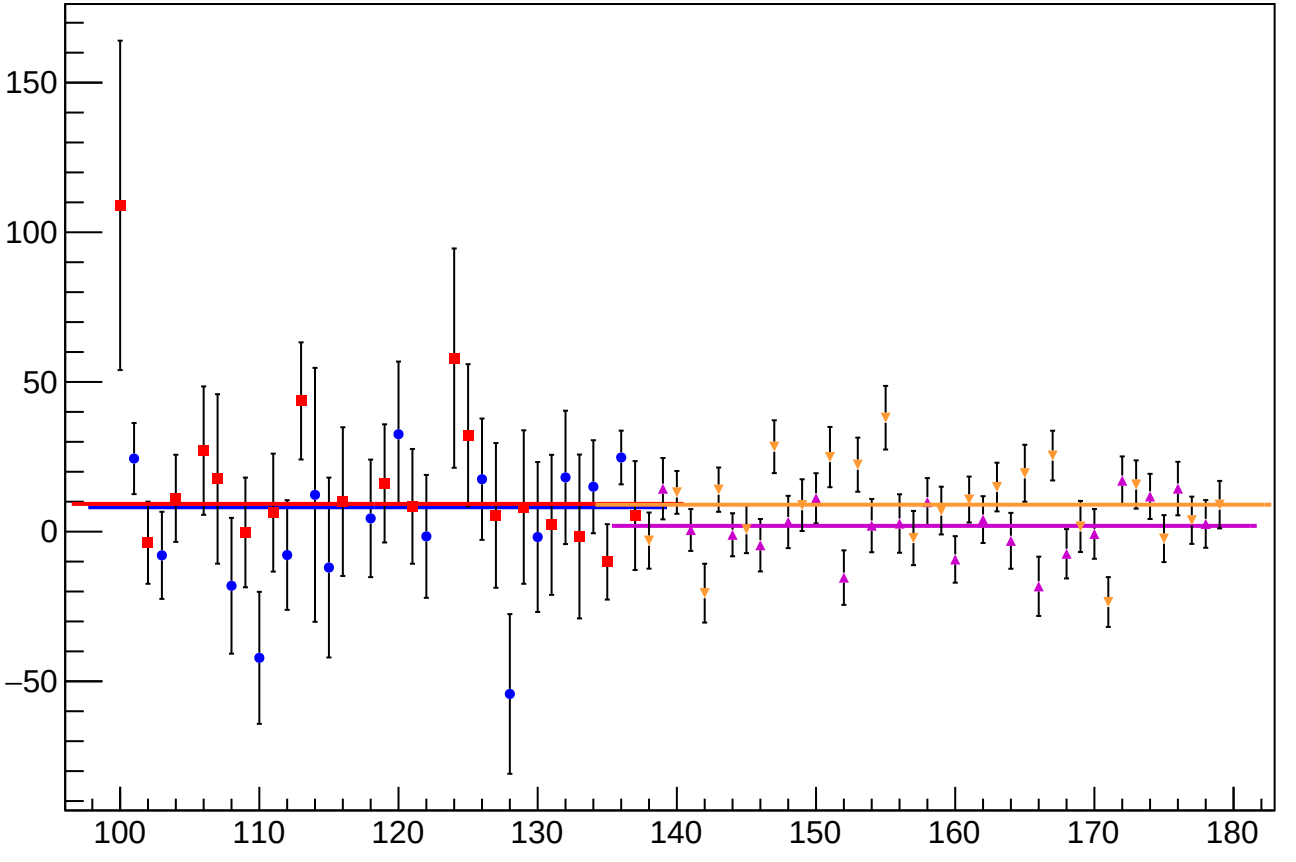
Left In: 10559.152+/-1.859 χ^2/NDF:289793.3/19

+ sign 11265.767+/-1.650 χ^2/NDF: 2459896.8/37

All: 11381.327+/-1.190 χ^2/NDF: 5087525.3/7

- sign 11506.718+/-1.719 χ^2/NDF: 2617398.9/38

diff_bpm4aediffX_mean vs Slug



Right In: 8.150+/-4.423 χ^2/NDF: 21.8/15

Left Out: 8.998+/-1.797 χ^2/NDF:56.0/21

Right Out: 9.270+/-4.607 χ^2/NDF: 13.9/18

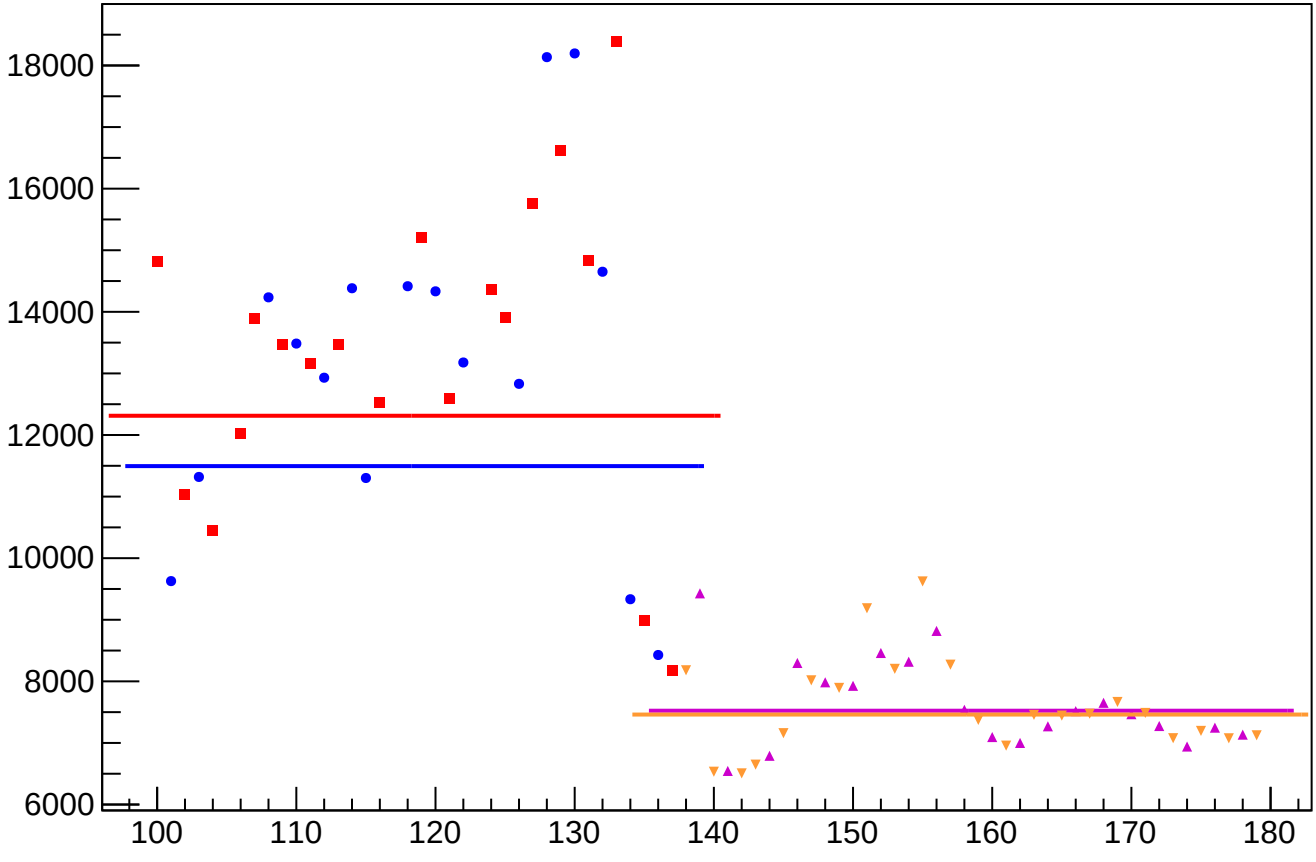
Left In: 1.928+/-1.872 χ^2/NDF:23.2/19

+ sign 8.878+/-1.665 χ^2/NDF: 77.8/37

All: 6.044+/-1.201 χ^2/NDF: 123.1/76

- sign 2.968+/-1.734 χ^2/NDF: 39.2/38

diff_bpm4aediffX_rms vs Slug



Right In: 11494.969+/-3.127 χ^2/NDF: 789990.1/15

Left Out: 7460.962+/-1.271 χ^2/NDF:300684.4/21

Right Out: 12312.550+/-3.258 χ^2/NDF: 598755.3/18

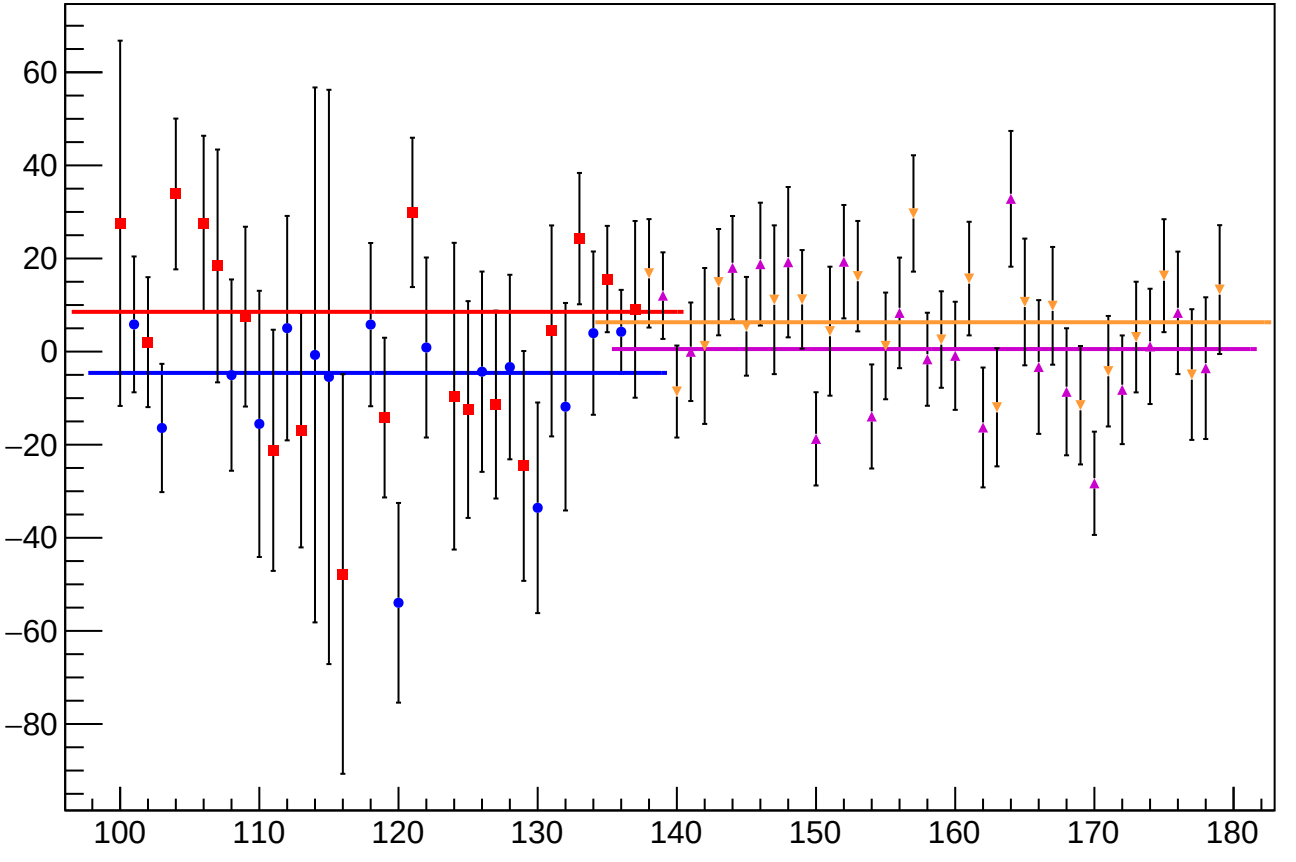
Left In: 7523.227+/-1.324 χ^2/NDF:264764.1/19

+ sign 8032.433+/-1.177 χ^2/NDF: 2518780.8/37

All: 8113.704+/-0.849 χ^2/NDF: 5247231.4/76

- sign 8201.919+/-1.226 χ^2/NDF: 2718509.4/38

diff_bpm4aesumY_mean vs Slug



Right In: -4.578+/-4.554 χ^2/NDF: 10.2/15

Left Out: 6.303+/-2.597 χ^2/NDF:15.8/21

Right Out: 8.537+/-4.392 χ^2/NDF: 17.2/18

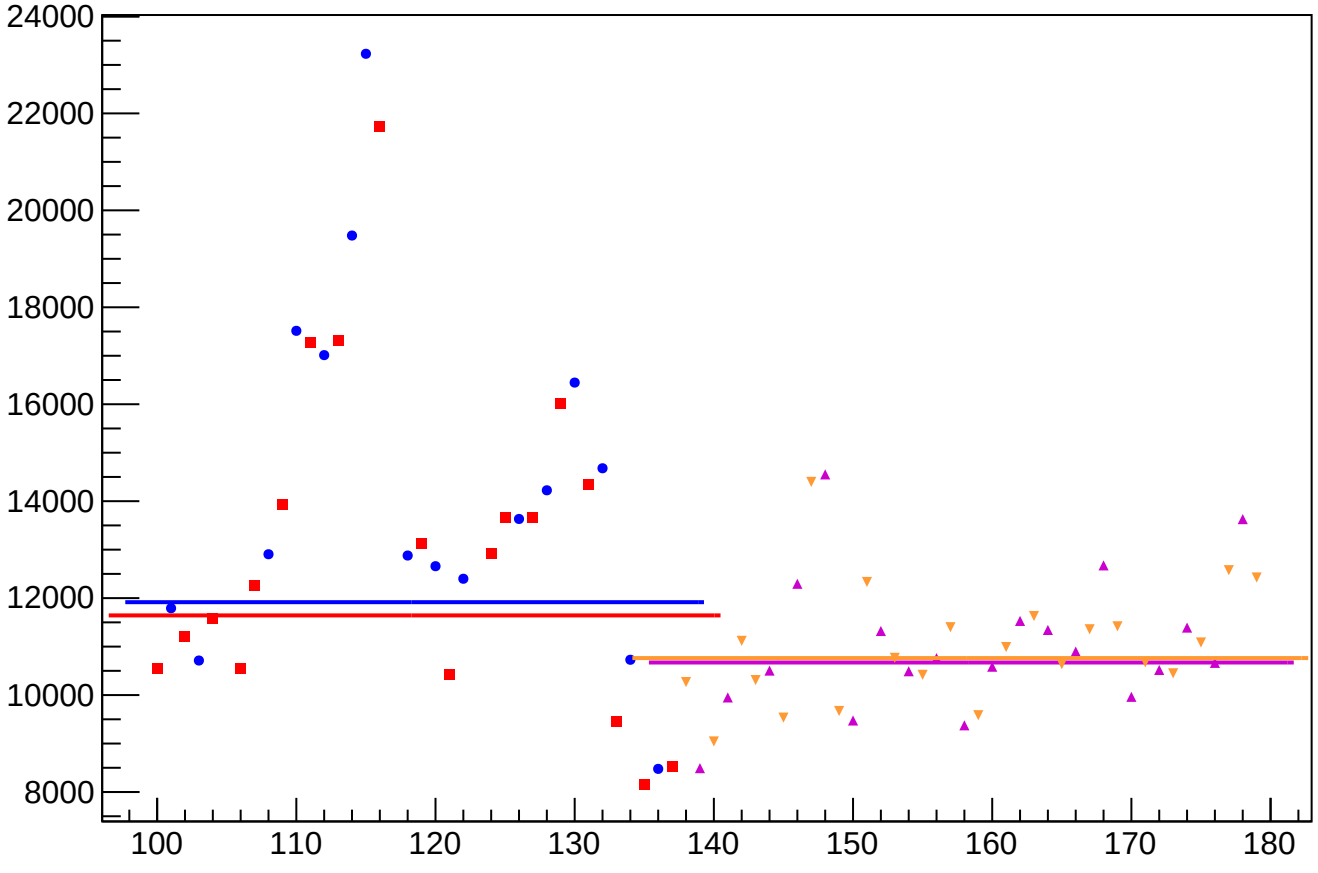
Left In: 0.546+/-2.669 χ^2/NDF:30.4/19

+ sign 3.632+/-2.256 χ^2/NDF: 30.4/37

All: 3.171+/-1.604 χ^2/NDF: 80.4/76

- sign 2.701+/-2.281 χ^2/NDF: 50.0/38

diff_bpm4aesumY_rms vs Slug



Right In: 11916.355+/-3.220 χ^2/NDF: 749775.2/15

Left Out: 10763.291+/-1.837 χ^2/NDF:363434.2/21

Right Out: 11643.622+/-3.106 χ^2/NDF: 790359.6/18

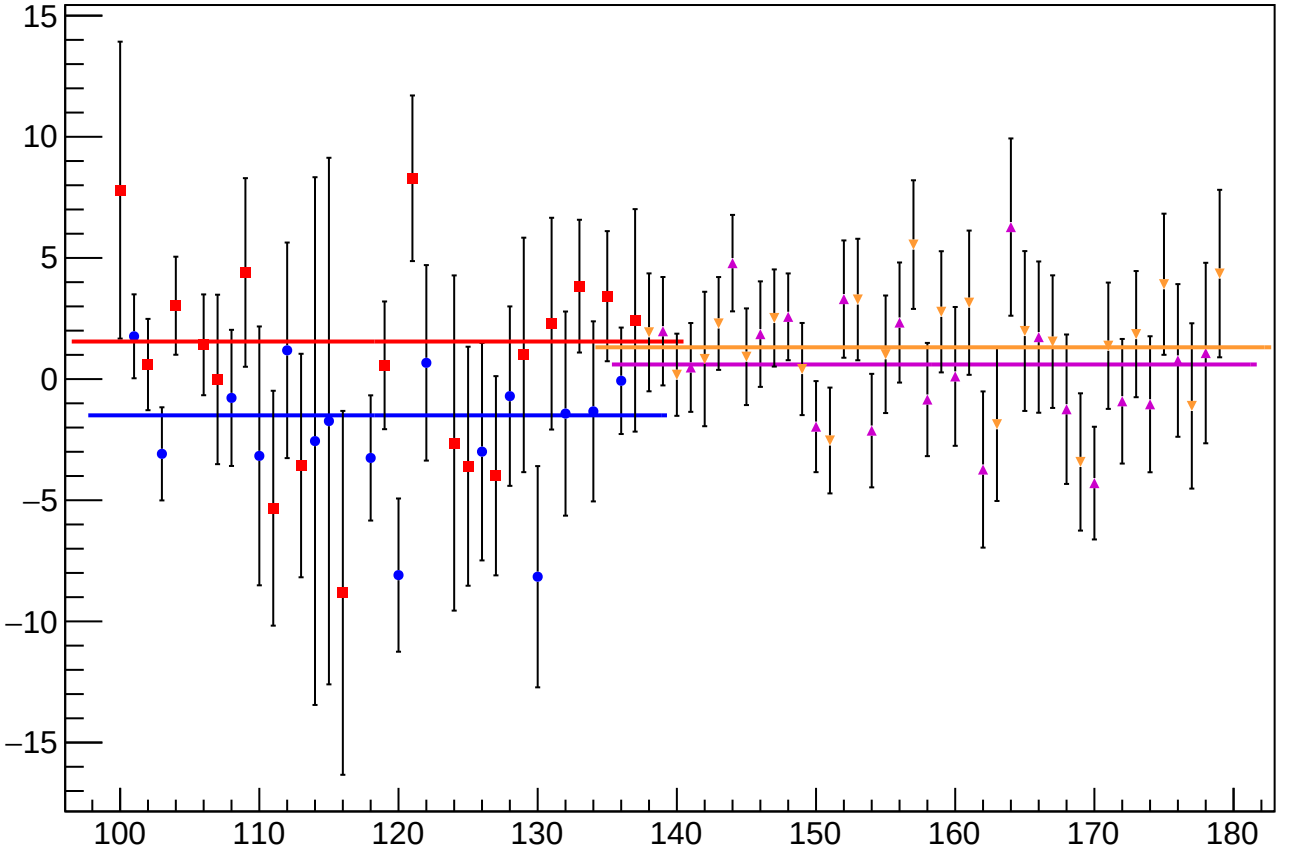
Left In: 10671.875+/-1.887 χ^2/NDF:481471.5/19

\+ sign 11046.316+/-1.595 χ^2/NDF: 1209953.7/37

All: 10990.719+/-1.134 χ^2/NDF: 2555737.0/7

\- sign 10933.905+/-1.613 χ^2/NDF: 1343327.9/38

diff_bpm4aediffY_mean vs Slug



Right In: -1.496+/-0.778 χ^2/NDF: 12.6/15

Left Out: 1.313+/-0.521 χ^2/NDF:14.4/21

Right Out: 1.551+/-0.745 χ^2/NDF: 16.3/18

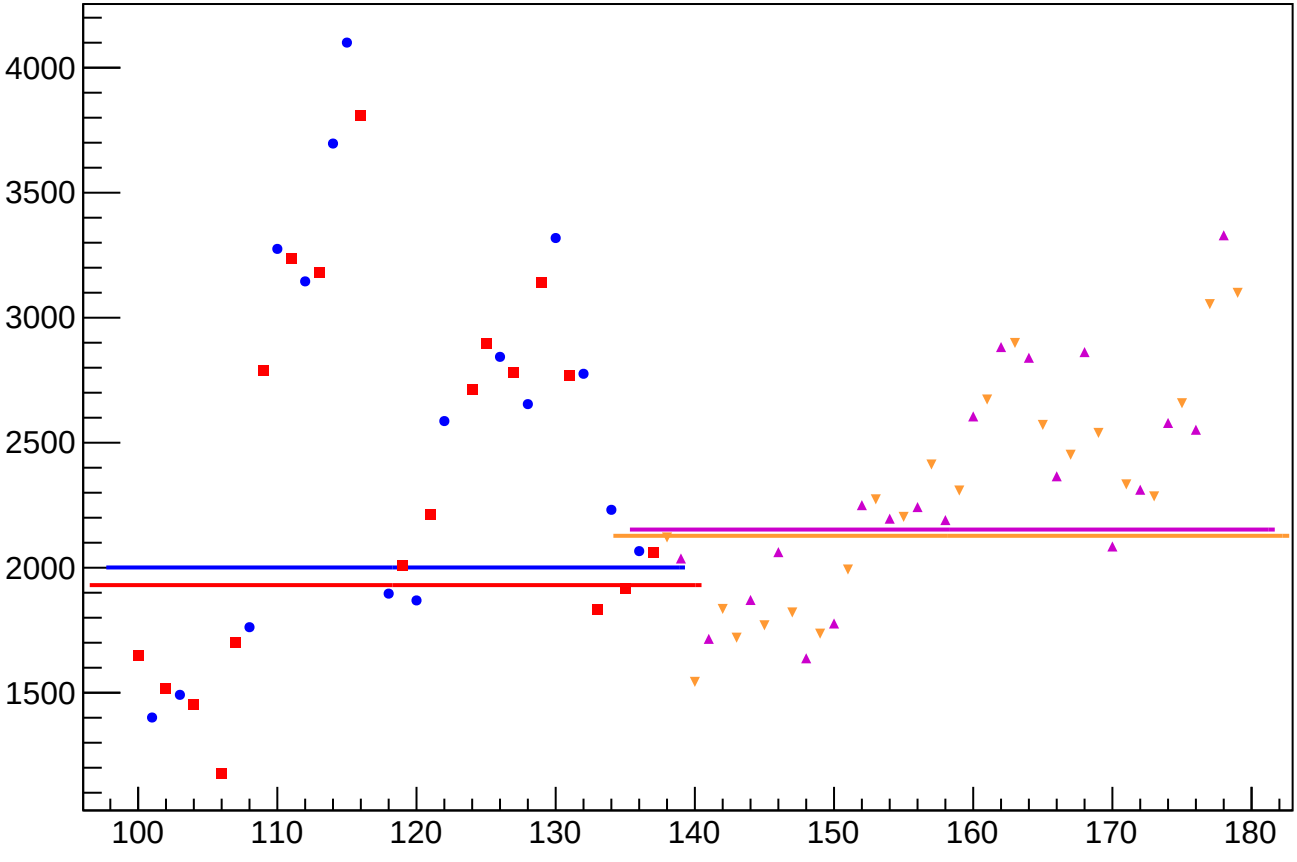
Left In: 0.603+/-0.543 χ^2/NDF:21.5/19

+ sign 0.443+/-0.433 χ^2/NDF: 36.0/37

All: 0.685+/-0.308 χ^2/NDF: 75.5/76

- sign 0.932+/-0.439 χ^2/NDF: 38.9/38

diff_bpm4aediffY_rms vs Slug



Right In: 2001.000+/-0.550 χ^2/NDF: 1189784.2/15

Left Out: 2127.653+/-0.369 χ^2/NDF:1280006.8/21

Right Out: 1930.434+/-0.526 χ^2/NDF: 1403552.6/18

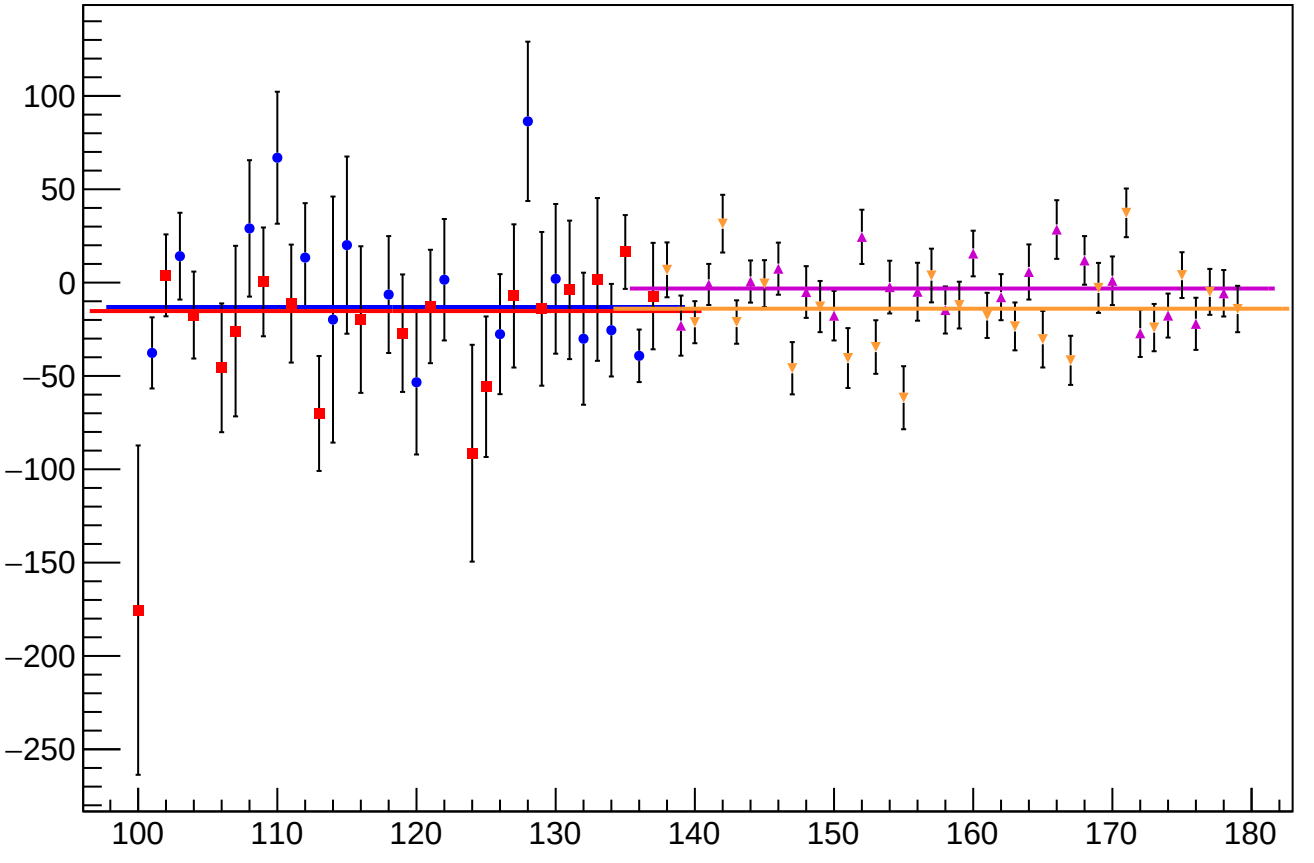
Left In: 2152.663+/-0.384 χ^2/NDF:1040680.6/19

+ sign 2088.438+/-0.306 χ^2/NDF: 2506359.5/37

All: 2082.050+/-0.218 χ^2/NDF: 5067784.8/76

- sign 2075.492+/-0.310 χ^2/NDF: 2560543.3/38

diff_bpmtargetsumX_mean vs Slug



Right In: -13.066+/-7.026 χ^2/NDF: 21.9/15

Left Out: -13.984+/-2.831 χ^2/NDF:57.8/21

Right Out: -15.253+/-7.321 χ^2/NDF: 14.3/18

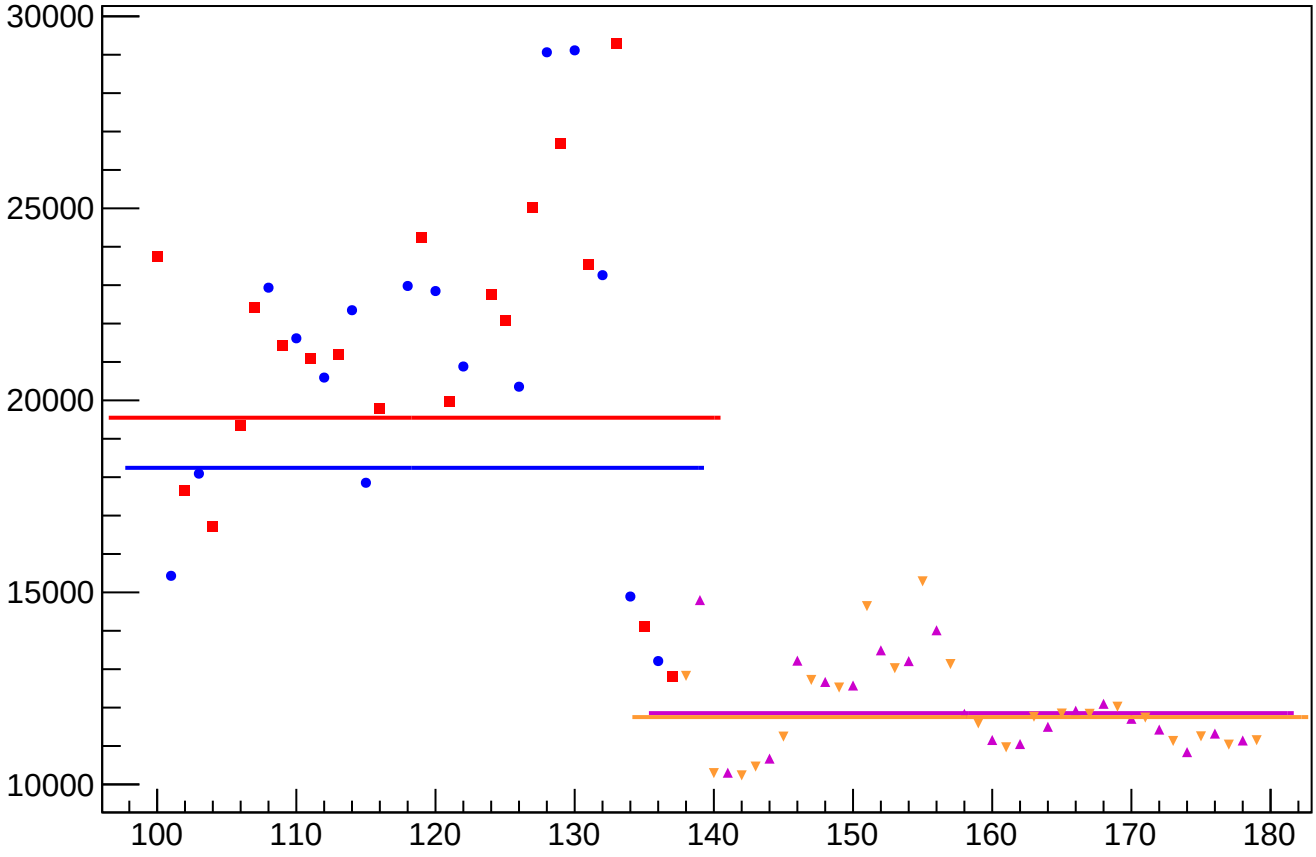
Left In: -3.174+/-2.951 χ^2/NDF:23.2/19

+ sign -13.856+/-2.626 χ^2/NDF: 79.7/37

All: -9.545+/-1.895 χ^2/NDF: 125.2/76

- sign -4.862+/-2.737 χ^2/NDF: 39.9/38

diff_bpmtargetsumX_rms vs Slug



Right In: 18243.342+/-4.968 χ^2/NDF: 819828.6/15

Left Out: 11752.878+/-2.002 χ^2/NDF:323272.2/21

Right Out: 19548.426+/-5.176 χ^2/NDF: 621716.4/18

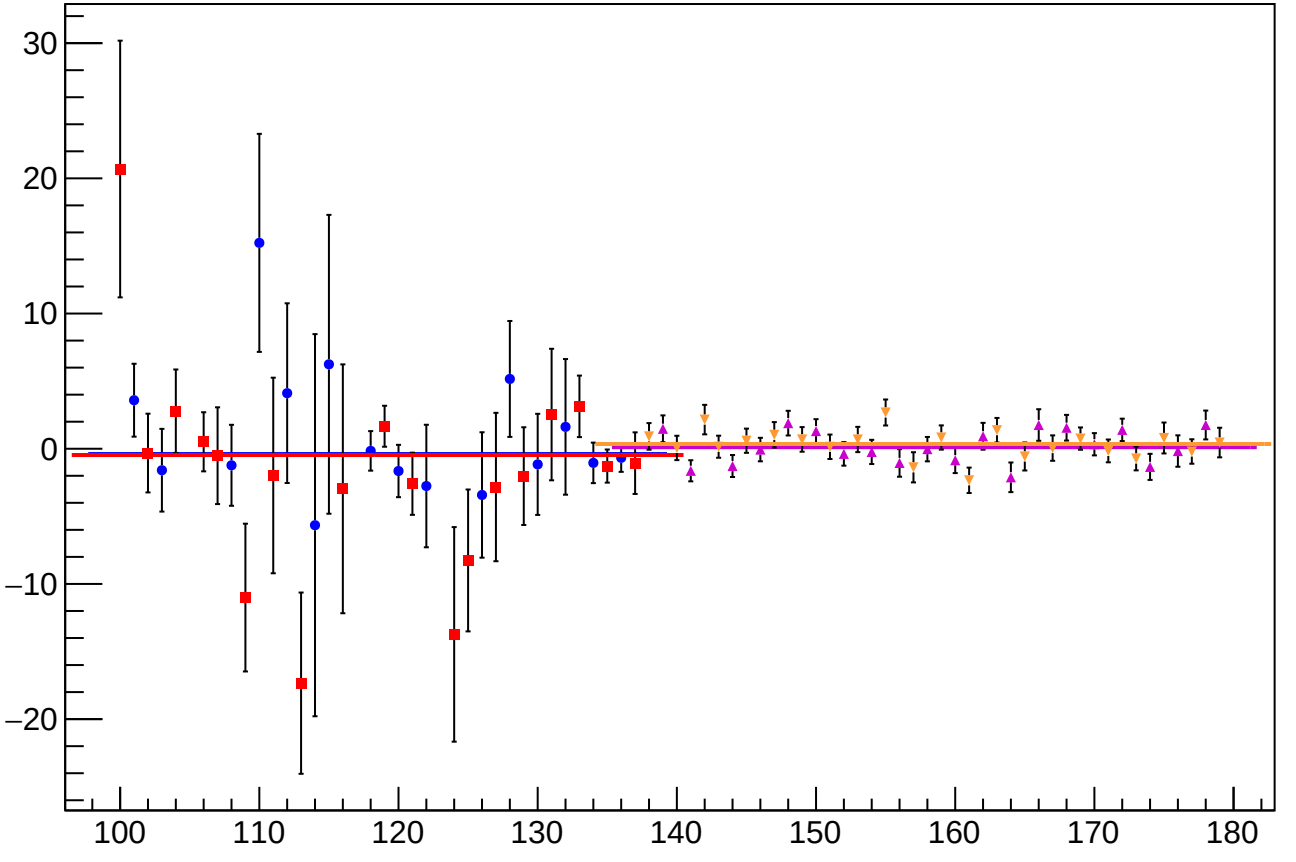
Left In: 11855.985+/-2.087 χ^2/NDF:286749.3/19

+ sign 12659.577+/-1.857 χ^2/NDF: 2611246.6/37

All: 12789.854+/-1.340 χ^2/NDF: 5429554.4/7

- sign 12931.374+/-1.935 χ^2/NDF: 2808039.7/38

diff_bpmtargetdiffX_mean vs Slug



Right In: -0.394+/-0.600 χ^2/NDF: 10.4/15

Left Out: 0.351+/-0.200 χ^2/NDF:25.6/21

Right Out: -0.464+/-0.634 χ^2/NDF: 28.0/18

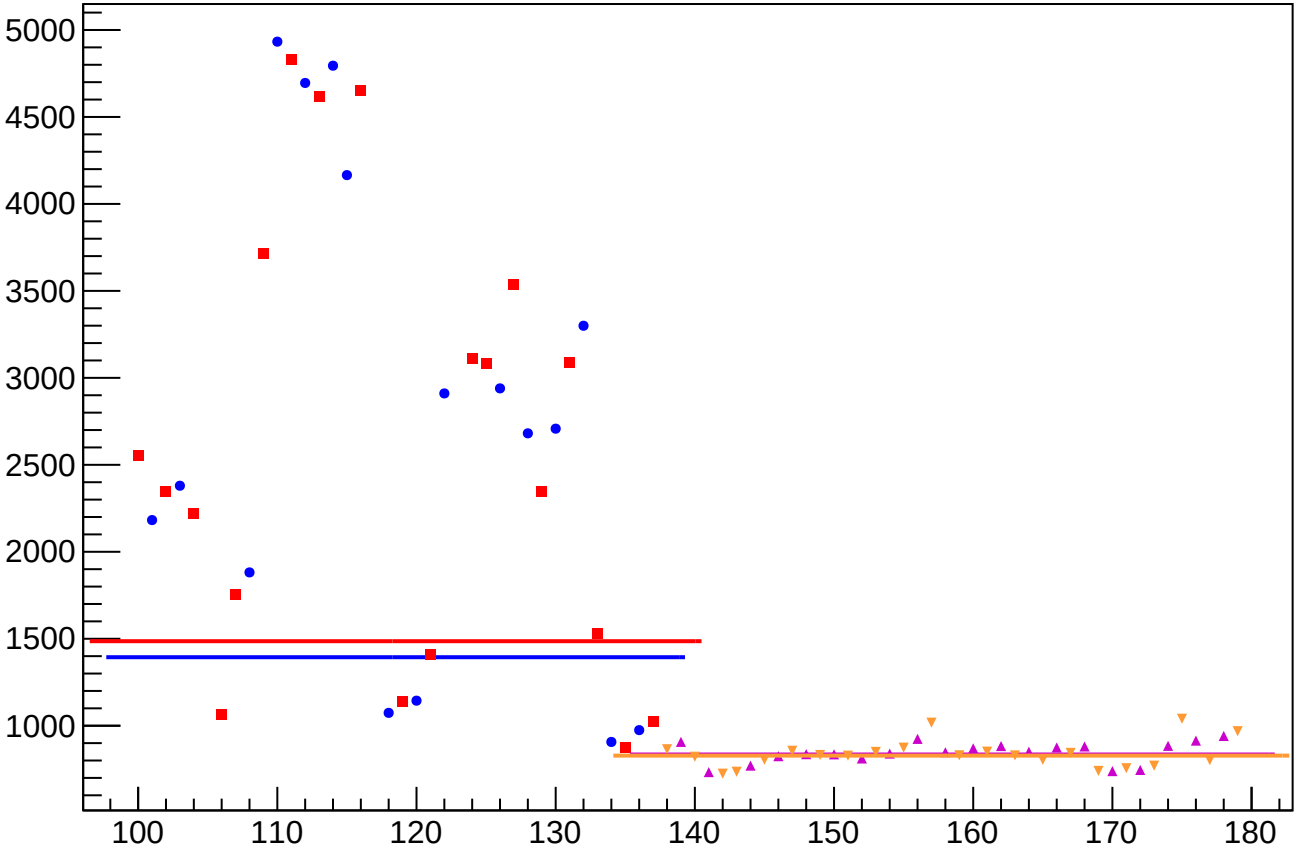
Left In: 0.117+/-0.208 χ^2/NDF:34.5/19

+ sign 0.276+/-0.189 χ^2/NDF: 37.4/37

All: 0.173+/-0.137 χ^2/NDF: 101.4/76

- sign 0.060+/-0.198 χ^2/NDF: 63.4/38

diff_bpmtargetdiffX_rms vs Slug



Right In: 1393.912+/-0.424 χ^2/NDF: 3381007.0/15

Left Out: 828.185+/-0.141 χ^2/NDF:265635.3/21

Right Out: 1486.000+/-0.448 χ^2/NDF: 3398817.4/18

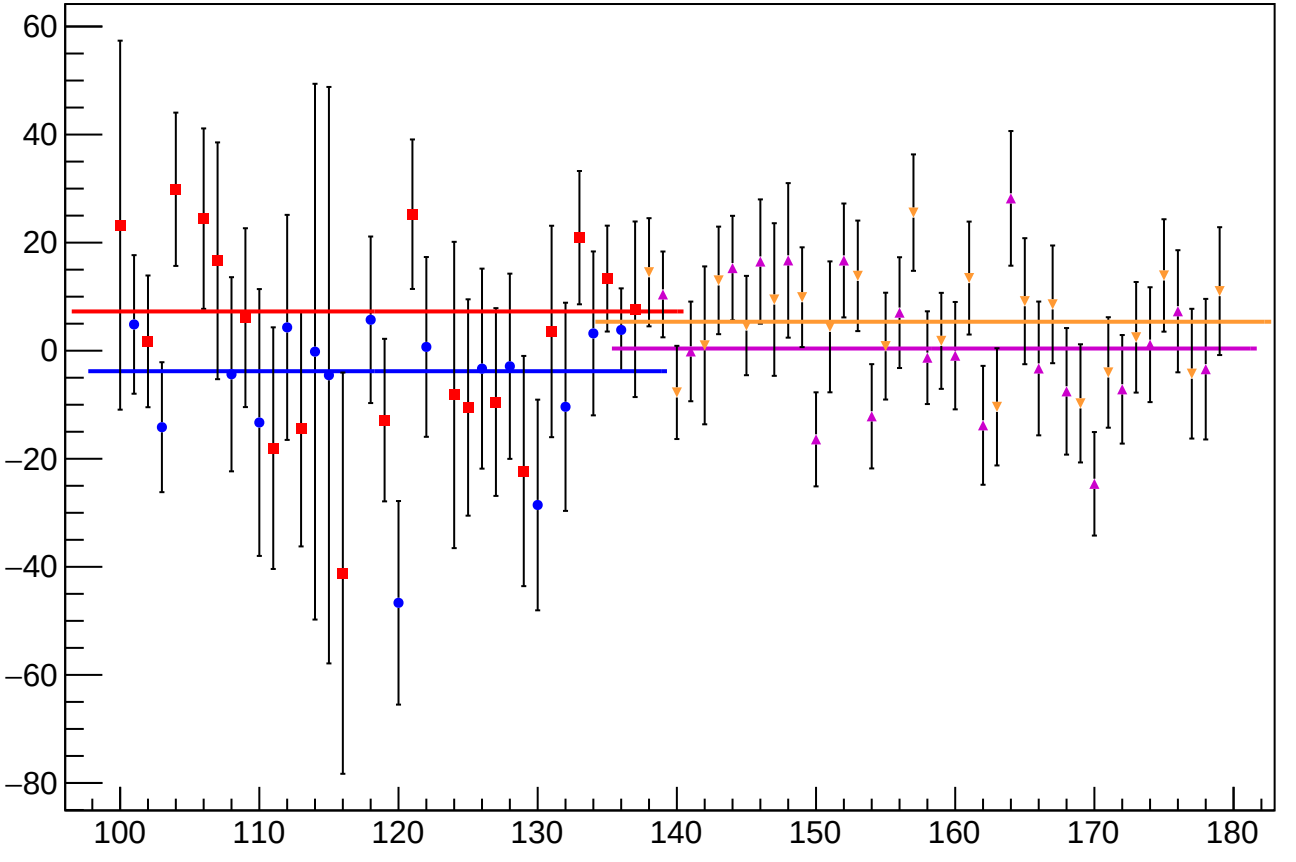
Left In: 834.574+/-0.147 χ^2/NDF:174122.7/19

+ sign 884.526+/-0.134 χ^2/NDF: 5246897.3/37

All: 890.893+/-0.097 χ^2/NDF: 10731589.7/76

- sign 897.817+/-0.140 χ^2/NDF: 5479974.1/38

diff_bpmtargetsumY_mean vs Slug



Right In: -3.795+/-3.943 χ^2/NDF: 10.1/15

Left Out: 5.360+/-2.242 χ^2/NDF:16.0/21

Right Out: 7.264+/-3.807 χ^2/NDF: 17.3/18

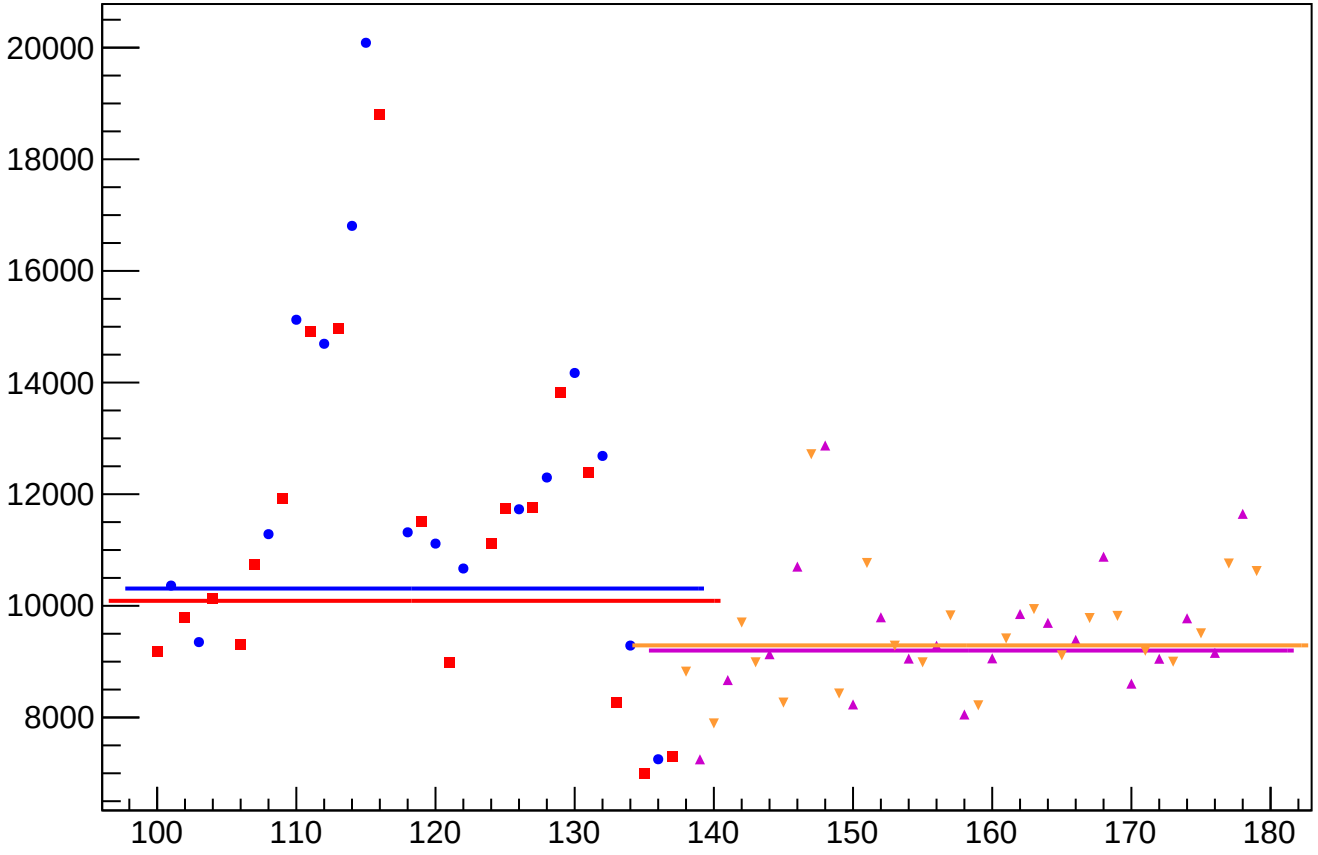
Left In: 0.403+/-2.301 χ^2/NDF:30.6/19

+ sign 3.123+/-1.949 χ^2/NDF: 30.1/37

All: 2.686+/-1.385 χ^2/NDF: 80.4/76

- sign 2.239+/-1.969 χ^2/NDF: 50.2/38

diff_bpmtargetsumY_rms vs Slug



Right In: 10309.969+/-2.788 χ^2/NDF: 770518.2/15

Left Out: 9291.623+/-1.586 χ^2/NDF:360524.5/21

Right Out: 10089.584+/-2.692 χ^2/NDF: 792788.1/18

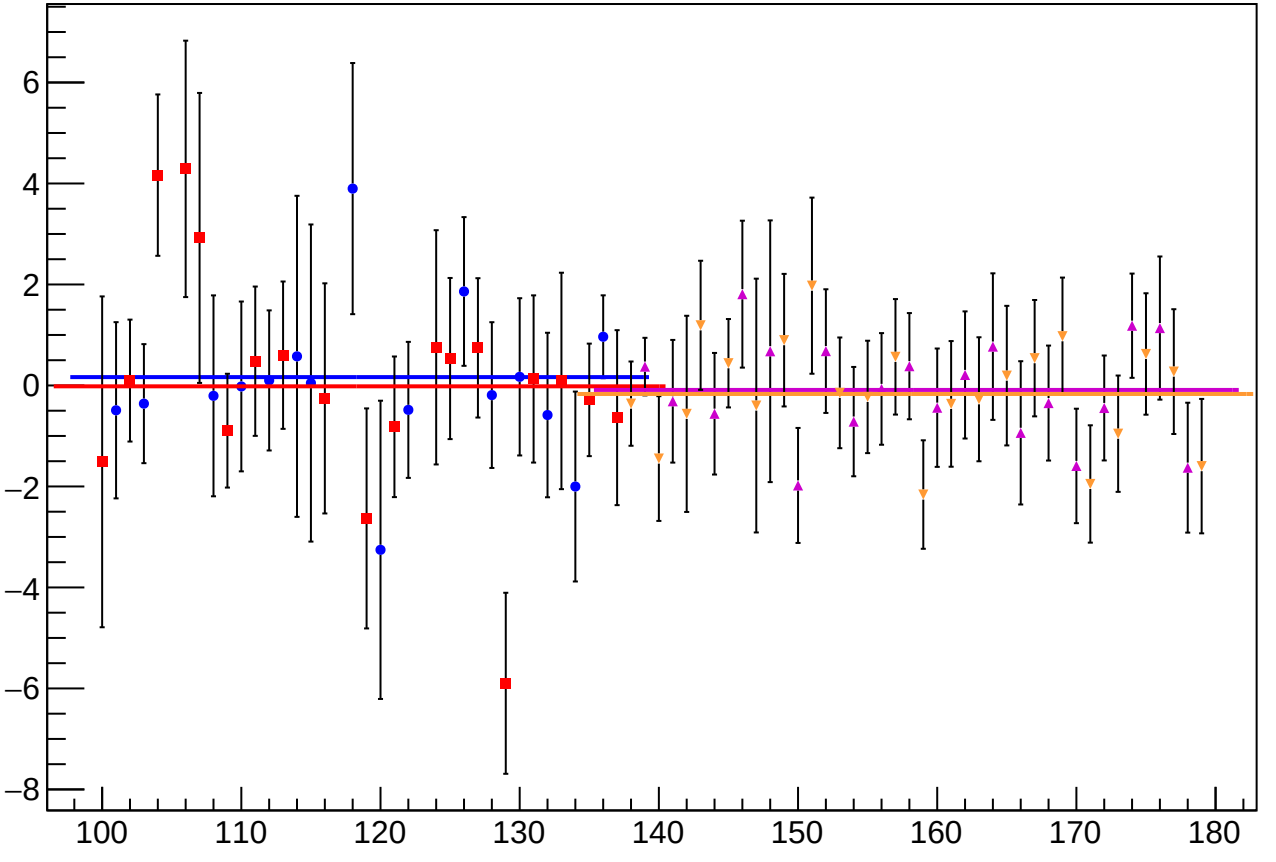
Left In: 9198.852+/-1.627 χ^2/NDF:497804.3/19

+ sign 9540.465+/-1.378 χ^2/NDF: 1231843.1/37

All: 9489.381+/-0.980 χ^2/NDF: 2605399.0/76

- sign 9437.230+/-1.393 χ^2/NDF: 1370779.8/38

diff_bpmtargetdiffY_mean vs Slug



Right In: 0.165+/-0.386 χ^2/NDF: 8.1/15

Left Out: -0.169+/-0.255 χ^2/NDF:14.8/21

Right Out: -0.017+/-0.372 χ^2/NDF: 25.2/18

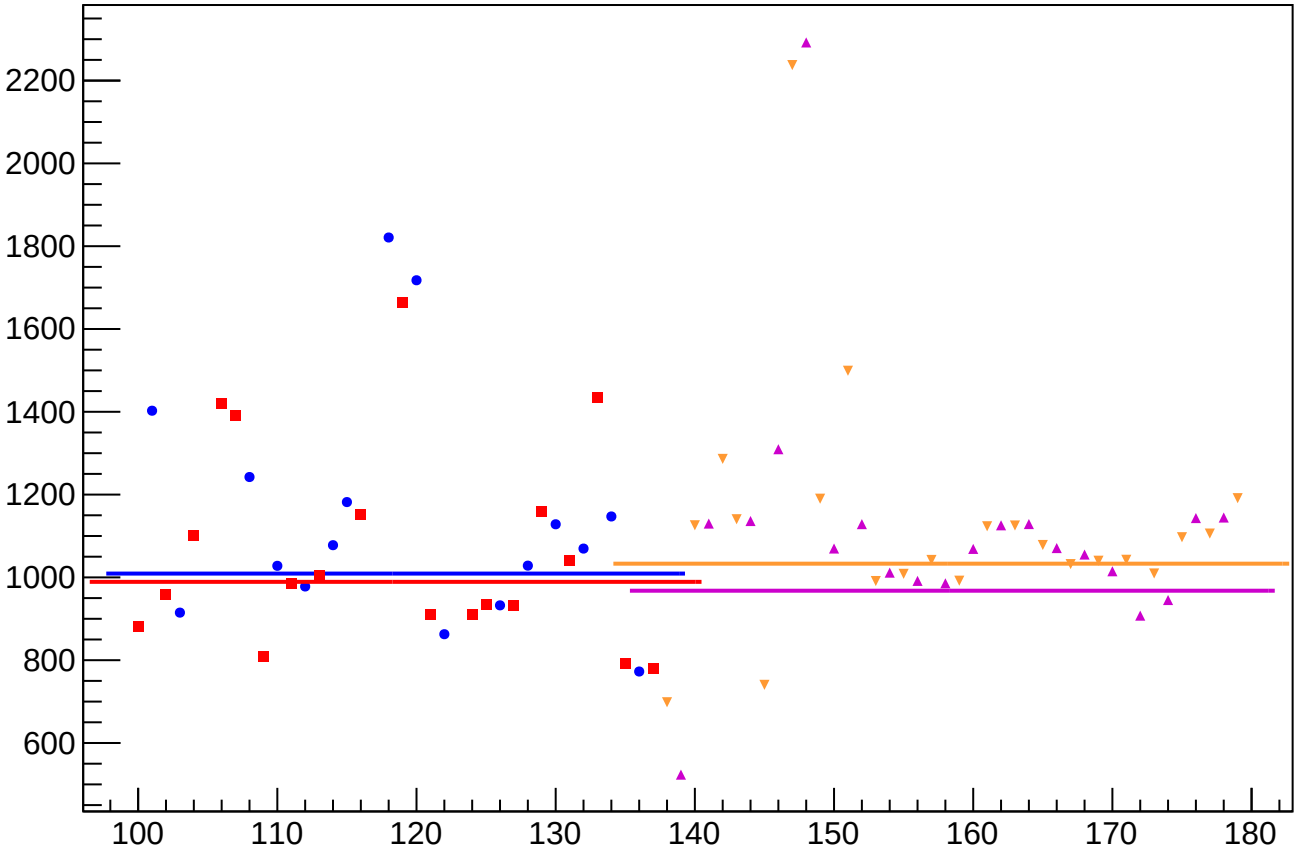
Left In: -0.089+/-0.251 χ^2/NDF:12.8/19

+ sign -0.067+/-0.213 χ^2/NDF: 23.4/37

All: -0.067+/-0.149 χ^2/NDF: 61.4/76

- sign -0.066+/-0.208 χ^2/NDF: 38.0/38

diff_bpmtargetdiffY_rms vs Slug



Right In: 1009.222+/-0.273 χ^2/NDF: 699303.9/15

Left Out: 1033.132+/-0.181 χ^2/NDF:1308413.8/21

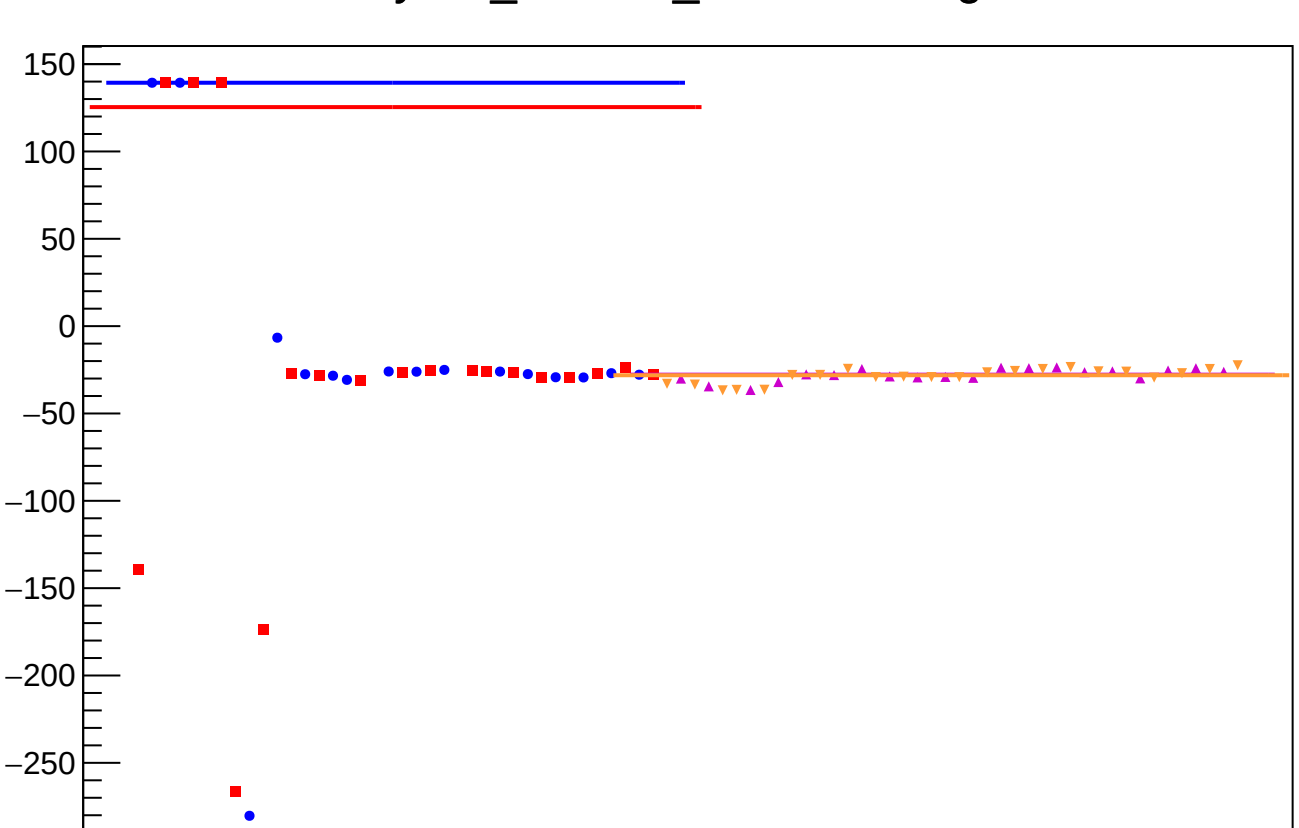
Right Out: 989.246+/-0.263 χ^2/NDF: 575759.9/18

Left In: 967.828+/-0.177 χ^2/NDF:2149237.2/19

\+ sign 1025.864+/-0.151 χ^2/NDF: 2013050.7/37

All: 999.563+/-0.105 χ^2/NDF: 4802161.4/76

\- sign 974.508+/-0.147 χ^2/NDF: 2729553.8/38



Right In: 139.337+/-0.000 χ^2/NDF: 47088045550.1/15

Left Out: -28.109+/-0.000 χ^2/NDF:174308923.2/21

Right Out: 125.392+/-0.000 χ^2/NDF: 774173119844052.5/18

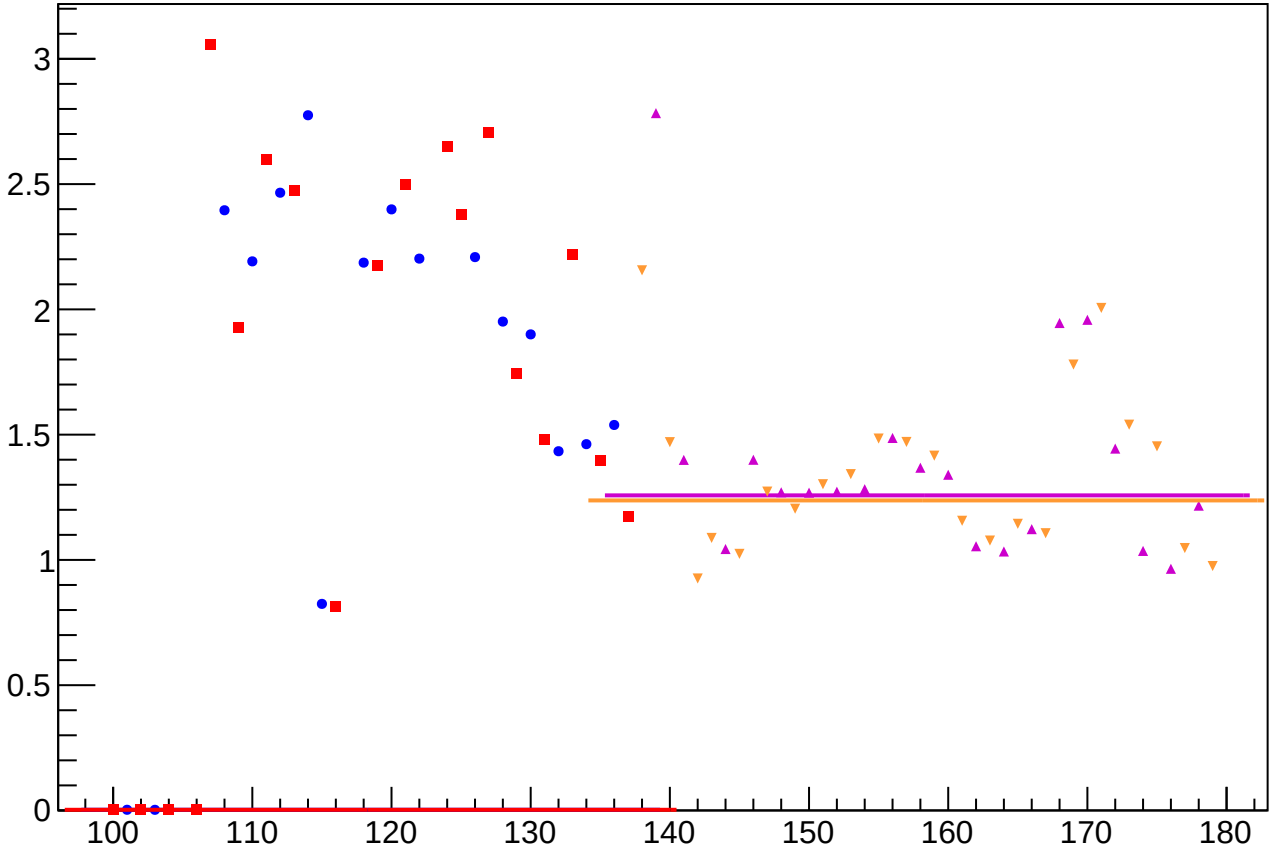
Left In: -27.774+/-0.000 χ^2/NDF:113577669.7/19

+ sign 139.328+/-0.000 χ^2/NDF: 297179414842.8/3

All: 131.811+/-0.000 χ^2/NDF: 79343827315

- sign 125.386+/-0.000 χ^2/NDF: 774362063238581

yield_cav4bX_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 9565657.6/15

Left Out: 1.237+/-0.000 χ^2/NDF:1126150.2/21

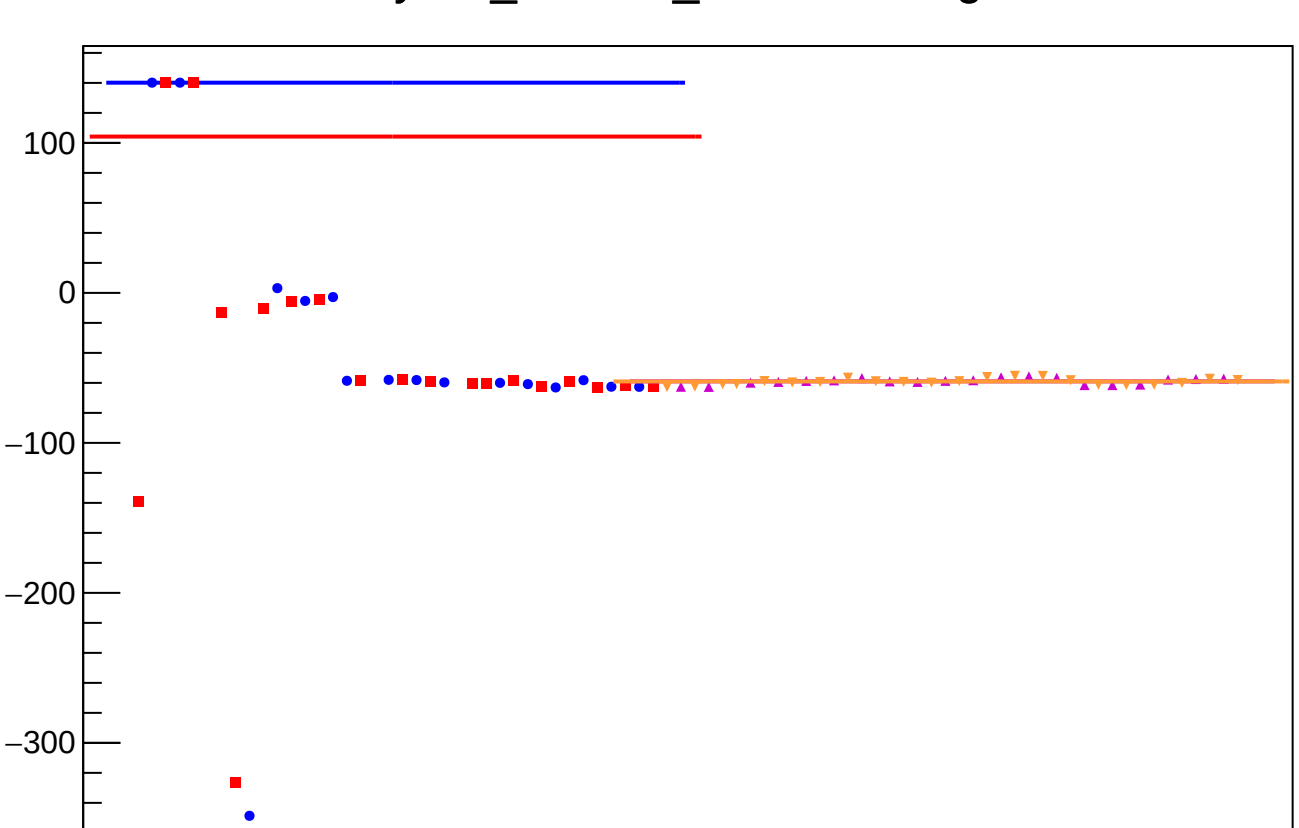
Right Out: 0.003+/-0.000 χ^2/NDF: 9733783.1/18

Left In: 1.258+/-0.000 χ^2/NDF:1271323.9/19

+ sign 0.003+/-0.000 χ^2/NDF: 37873505.5/37

All: 0.003+/-0.000 χ^2/NDF: 74233313.4/76

- sign 0.003+/-0.000 χ^2/NDF: 36359432.9/38



Right In: 140.143+/-0.000 χ^2/NDF: 187461723281.9/15

Left Out: -59.035+/-0.000 χ^2/NDF:160578862.0/21

Right Out: 104.224+/-0.000 χ^2/NDF: 1257401882577977.0/18

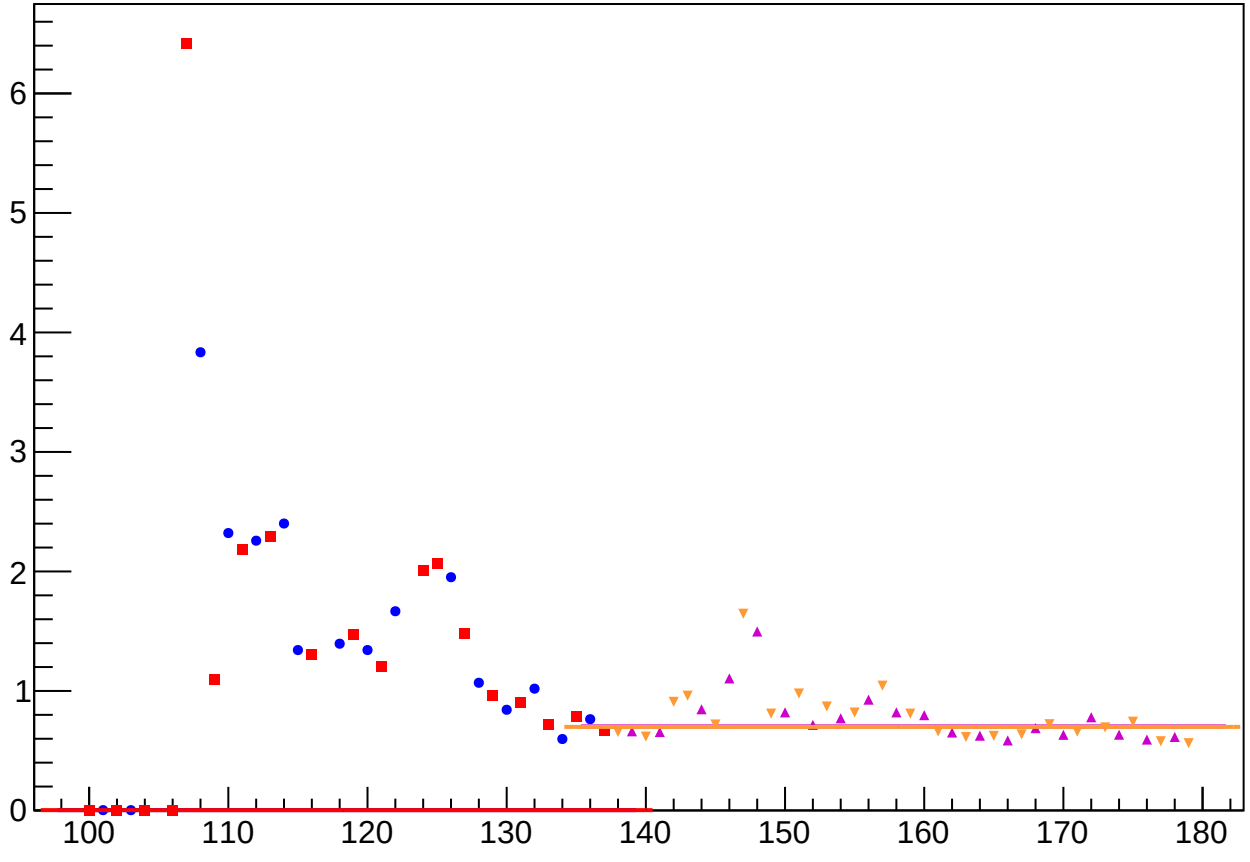
Left In: -58.971+/-0.000 χ^2/NDF:139213099.3/19

+ sign 140.111+/-0.000 χ^2/NDF: 1351888205404.6

All: 120.805+/-0.000 χ^2/NDF: 13827210339

- sign 104.203+/-0.000 χ^2/NDF: 125812333030874

yield_cav4bY_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 10578723.1/15

Left Out: 0.699+/-0.000 χ^2/NDF:1225669.9/21

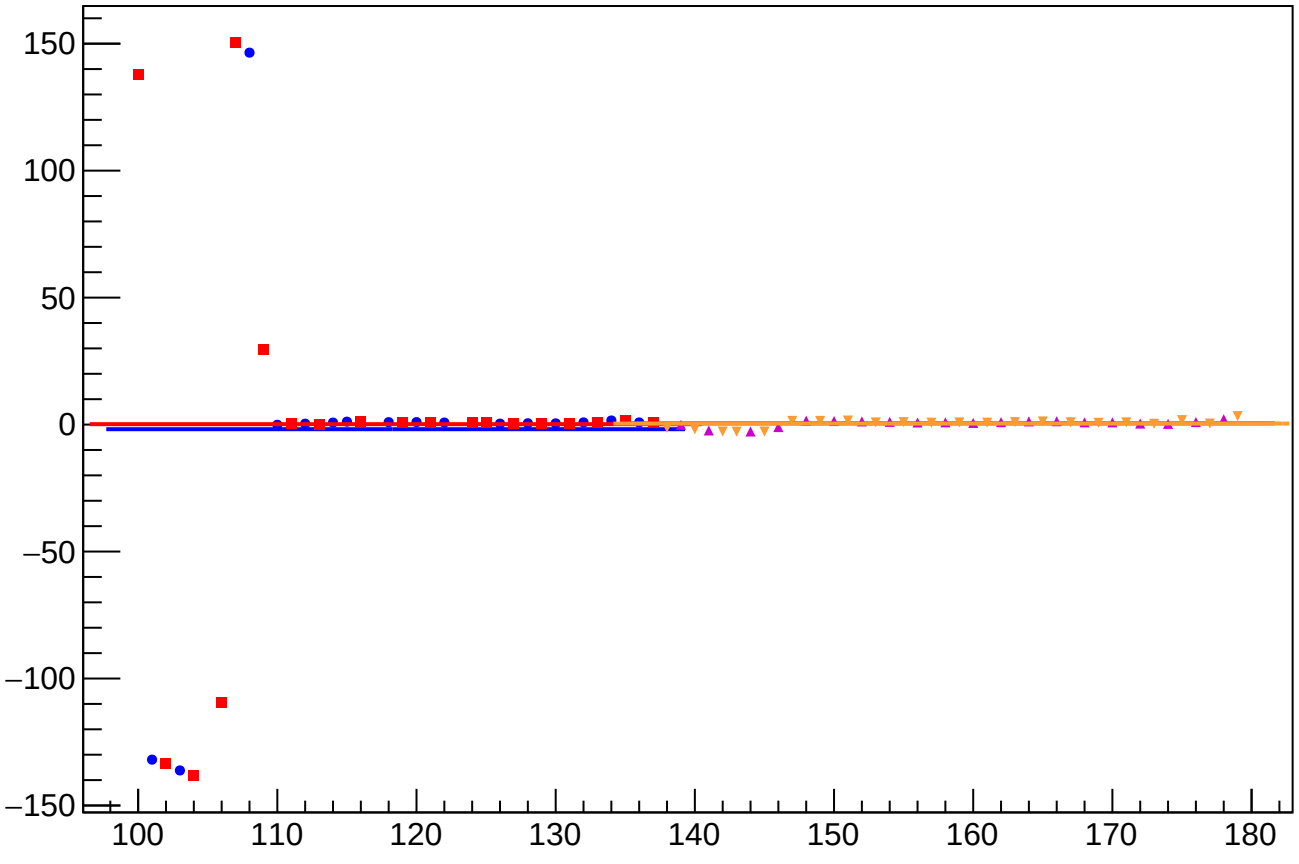
Right Out: 0.003+/-0.000 χ^2/NDF: 10266772.6/18

Left In: 0.703+/-0.000 χ^2/NDF:961666.0/19

+ sign 0.003+/-0.000 χ^2/NDF: 40284402.5/37

All: 0.003+/-0.000 χ^2/NDF: 78107374.4/76

- sign 0.003+/-0.000 χ^2/NDF: 37822370.6/38



Right In: -1.818+/-0.000 χ^2/NDF: 9887177310.2/15

Left Out: 0.402+/-0.000 χ^2/NDF:138017571.6/21

Right Out: 0.165+/-0.000 χ^2/NDF: 3611245020.0/18

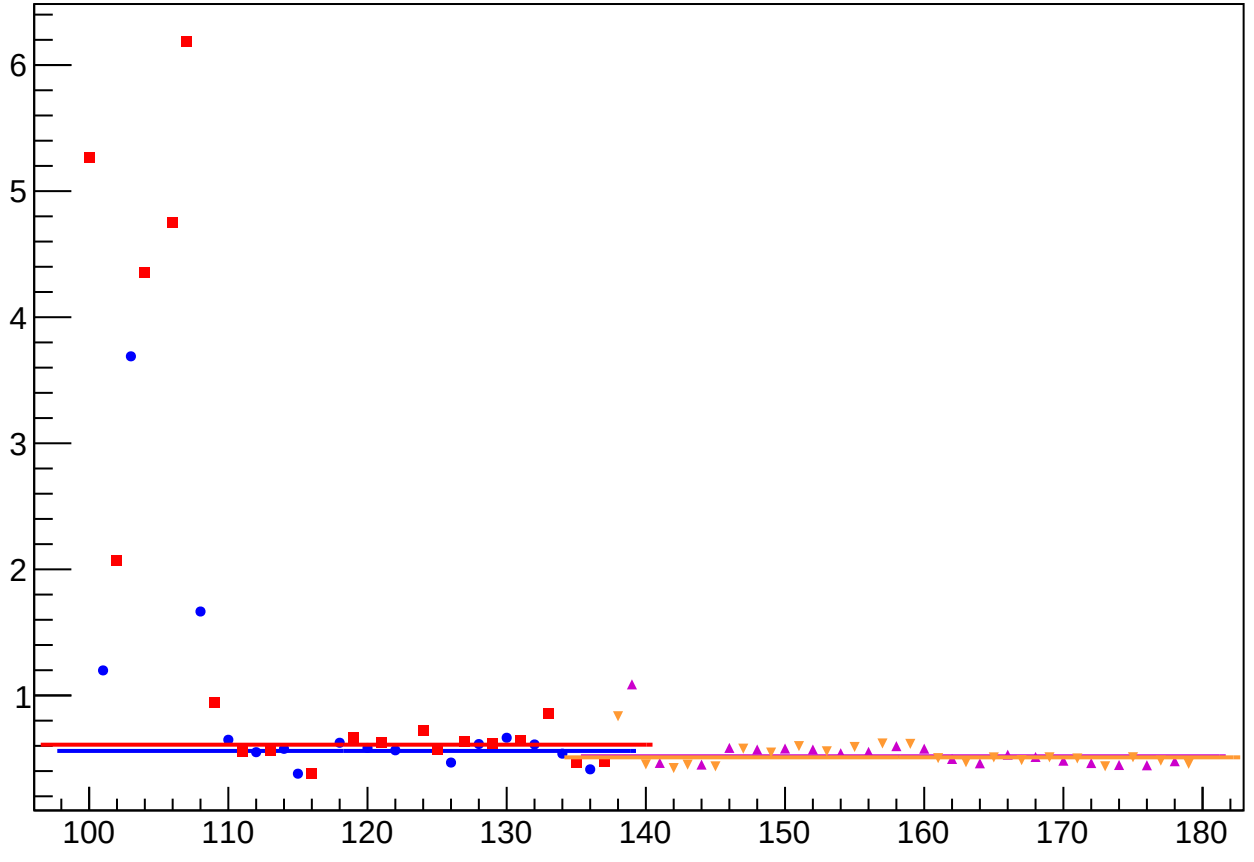
Left In: 0.485+/-0.000 χ^2/NDF:79648059.1/19

+ sign -0.108+/-0.000 χ^2/NDF: 10086424659.5/37

All: 0.138+/-0.000 χ^2/NDF: 13787464788.8/7

- sign 0.416+/-0.000 χ^2/NDF: 3691974069.8/38

yield_cav4cX_rms vs Slug



Right In: 0.560+/-0.000 χ^2/NDF: 1598439.5/15

Left Out: 0.509+/-0.000 χ^2/NDF:543260.5/21

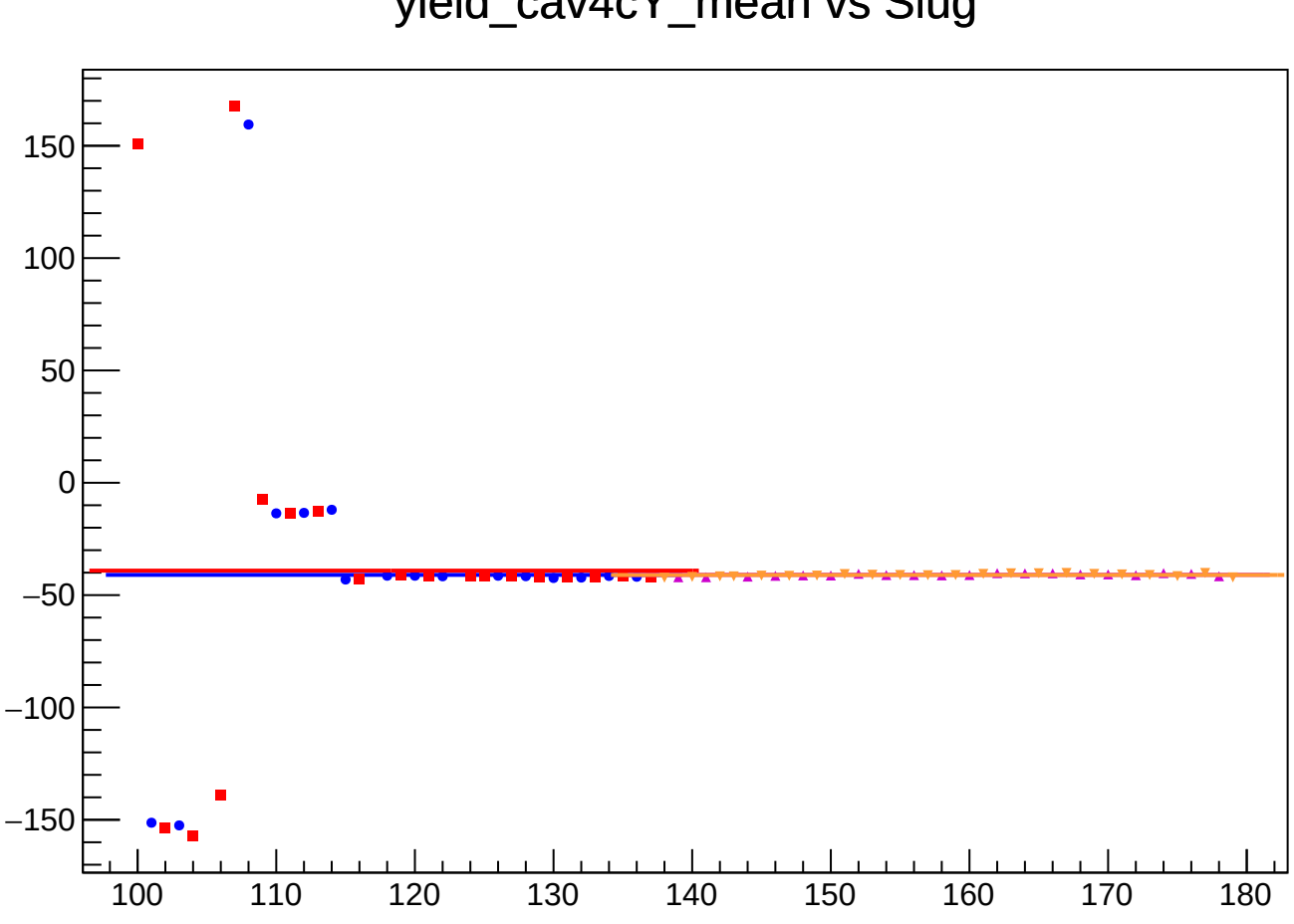
Right Out: 0.609+/-0.000 χ^2/NDF: 2476010.3/18

Left In: 0.517+/-0.000 χ^2/NDF:728305.4/19

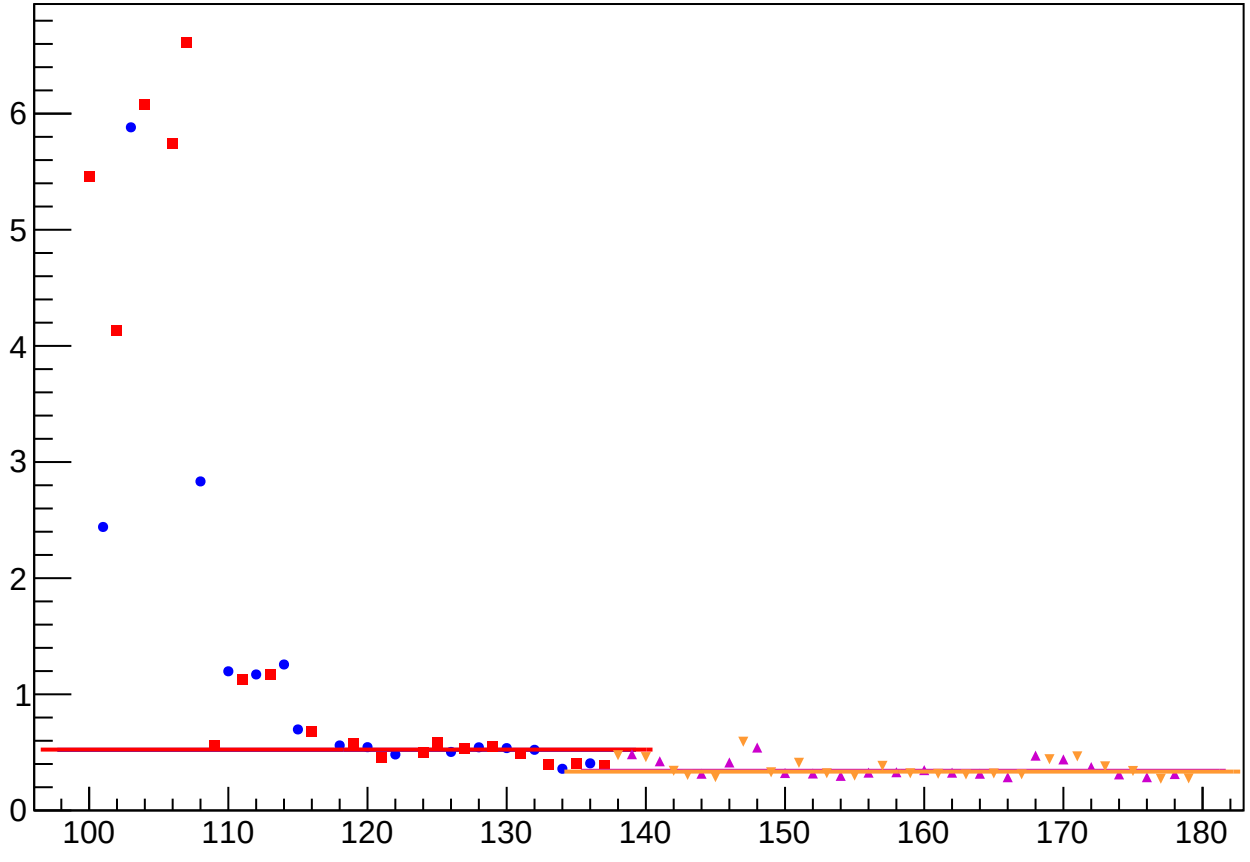
+ sign 0.521+/-0.000 χ^2/NDF: 2205949.3/37

All: 0.528+/-0.000 χ^2/NDF: 5605863.3/76

- sign 0.537+/-0.000 χ^2/NDF: 3381859.7/38


yield_cav4cY_mean vs Slug
150
100
50
0
−50
−100
−150
100
110
120
130
140
150
160
170
180
Right In: -40.987+/-0.000 χ²/NDF: 3449622021.8/15
Left Out: -41.041+/-0.000 χ²/NDF:53893993.0/21
Right Out: -39.101+/-0.000 χ²/NDF: 2480133442.0/18
Left In: -40.964+/-0.000 χ²/NDF:37262081.1/19
+ sign -41.035+/-0.000 χ²/NDF: 3503563449.8/37
All: -40.893+/-0.000 χ²/NDF: 6082369458.6/
- sign -40.737+/-0.000 χ²/NDF: 2571982129.8/38

yield_cav4cY_rms vs Slug



Right In: 0.522+/-0.000 χ^2/NDF: 2949327.6/15

Left Out: 0.335+/-0.000 χ^2/NDF:1100981.3/21

Right Out: 0.524+/-0.000 χ^2/NDF: 3264460.0/18

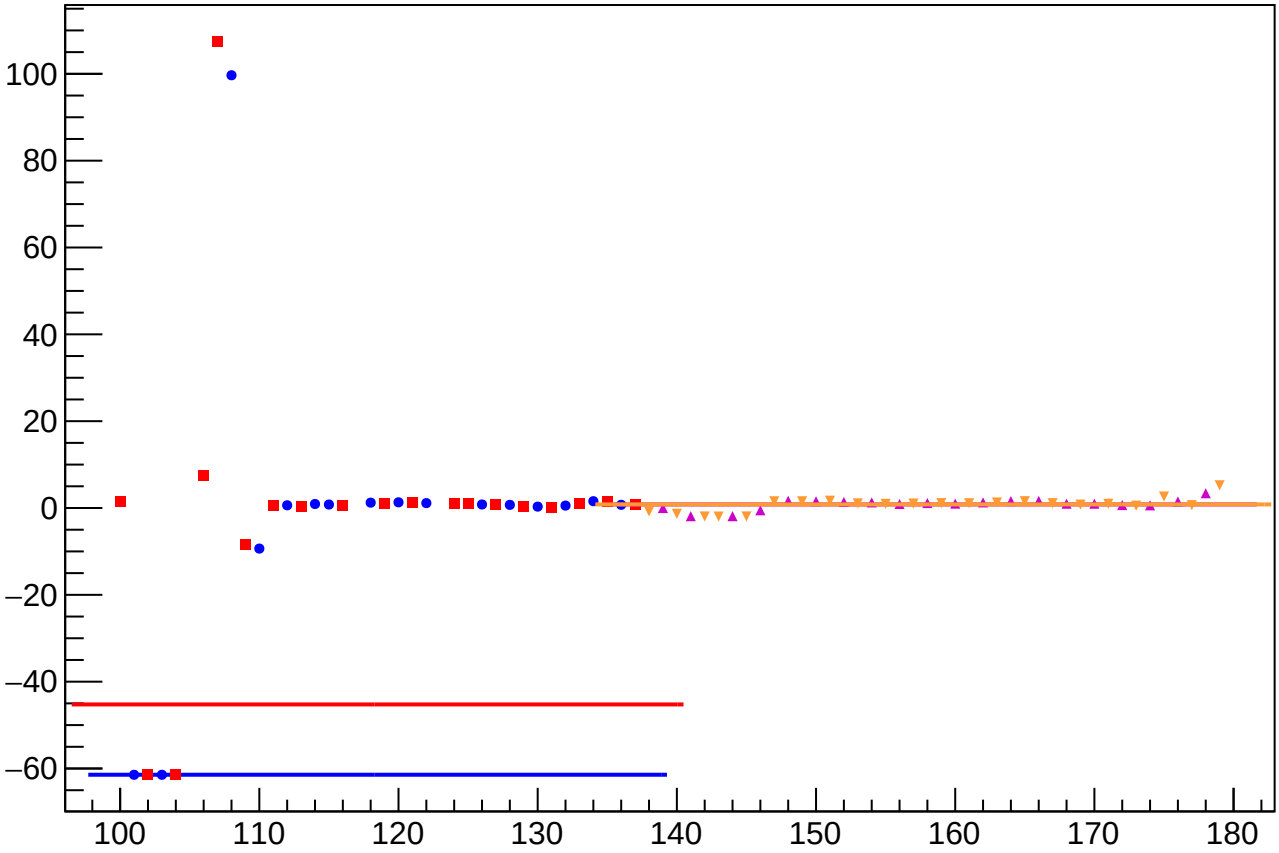
Left In: 0.342+/-0.000 χ^2/NDF:857017.0/19

+ sign 0.356+/-0.000 χ^2/NDF: 5199396.9/37

All: 0.360+/-0.000 χ^2/NDF: 10376651.0/76

- sign 0.364+/-0.000 χ^2/NDF: 5167614.3/38

yield_cav4dX_mean vs Slug



Right In: -61.436+/-0.000 χ^2/NDF: 273496278670.9/15

Left Out: 0.826+/-0.000 χ^2/NDF:209362196.5/21

Right Out: -45.245+/-0.000 χ^2/NDF: 357870328061478.0/18

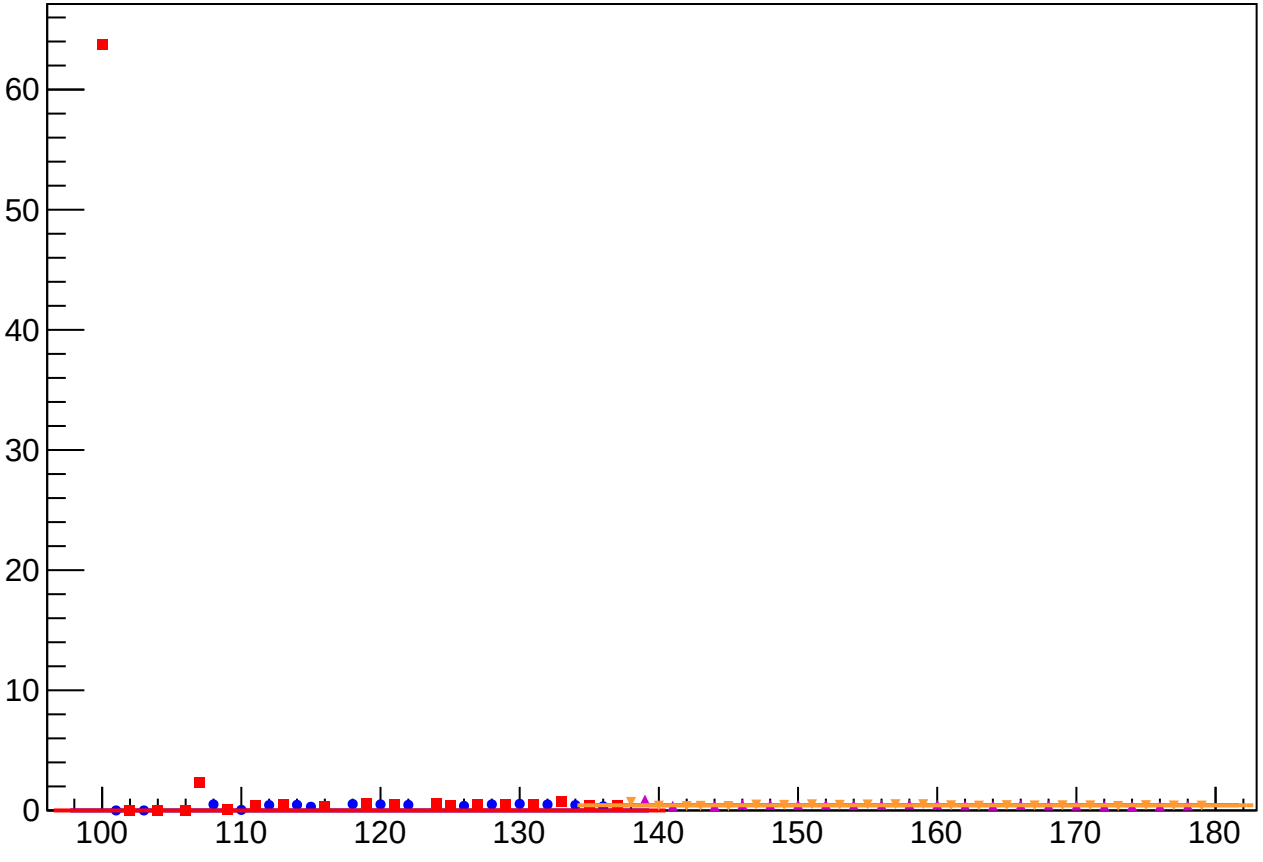
Left In: 0.822+/-0.000 χ^2/NDF:107415416.3/19

+ sign -61.423+/-0.000 χ^2/NDF: 565901567901.7/3

All: -52.739+/-0.000 χ^2/NDF: 409533090623

- sign -45.238+/-0.000 χ^2/NDF: 358014266686263.

yield_cav4dX_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 9156181.6/15

Left Out: 0.432+/-0.000 χ^2/NDF:520789.8/21

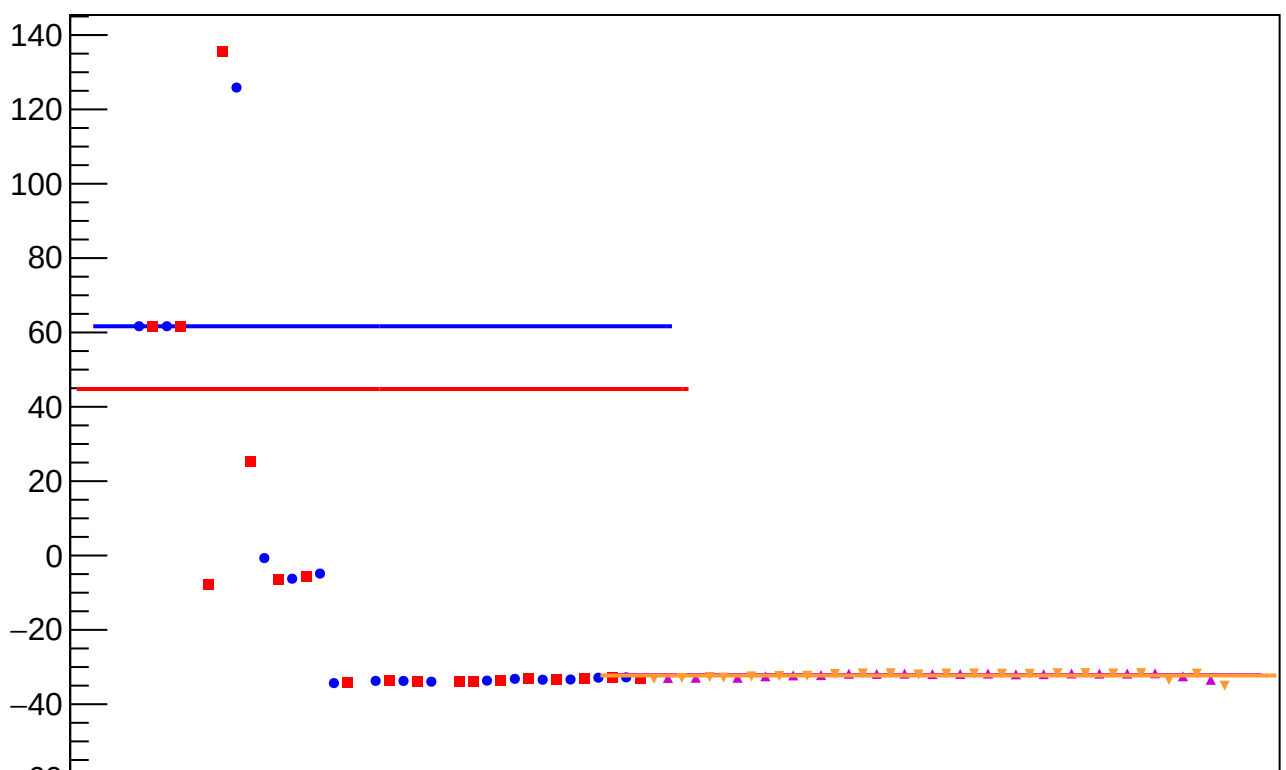
Right Out: 0.001+/-0.000 χ^2/NDF: 9345109.5/18

Left In: 0.440+/-0.000 χ^2/NDF:688759.8/19

+ sign 0.002+/-0.000 χ^2/NDF: 37644798.0/37

All: 0.002+/-0.000 χ^2/NDF: 73759702.3/76

- sign 0.002+/-0.000 χ^2/NDF: 36114731.0/38



Right In: 61.662+/-0.000 χ^2/NDF: 369463062074.0/15

Left Out: -32.277+/-0.000 χ^2/NDF:141517341.0/21

Right Out: 44.786+/-0.000 χ^2/NDF: 366094778229951.8/18

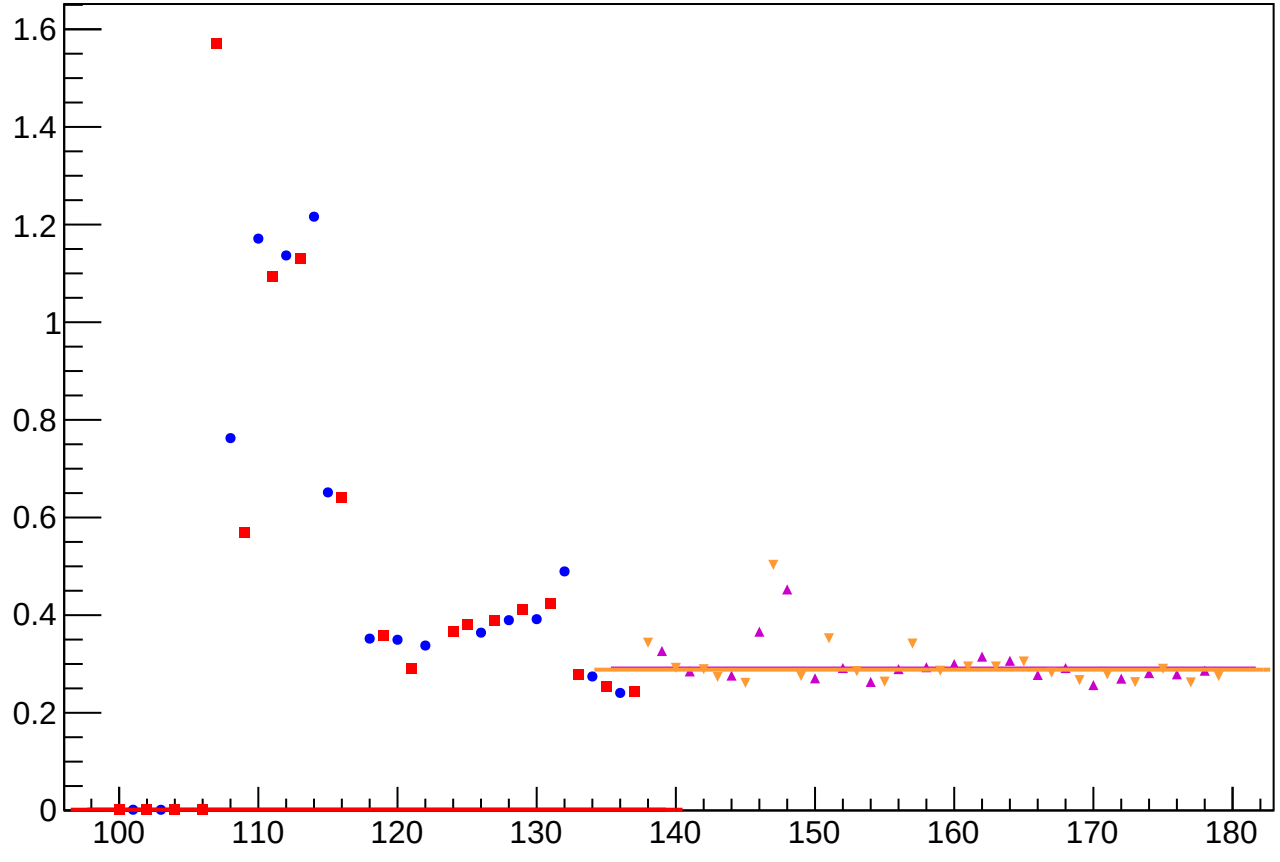
Left In: -32.140+/-0.000 χ^2/NDF:47748285.7/19

+ sign 61.606+/-0.000 χ^2/NDF: 2131305444608.7/3

All: 52.643+/-0.000 χ^2/NDF: 420333341396

- sign 44.749+/-0.000 χ^2/NDF: 367183491463281.6

yield_cav4dY_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 11024564.1/15

Left Out: 0.288+/-0.000 χ^2/NDF:510650.9/21

Right Out: 0.002+/-0.000 χ^2/NDF: 10559220.1/18

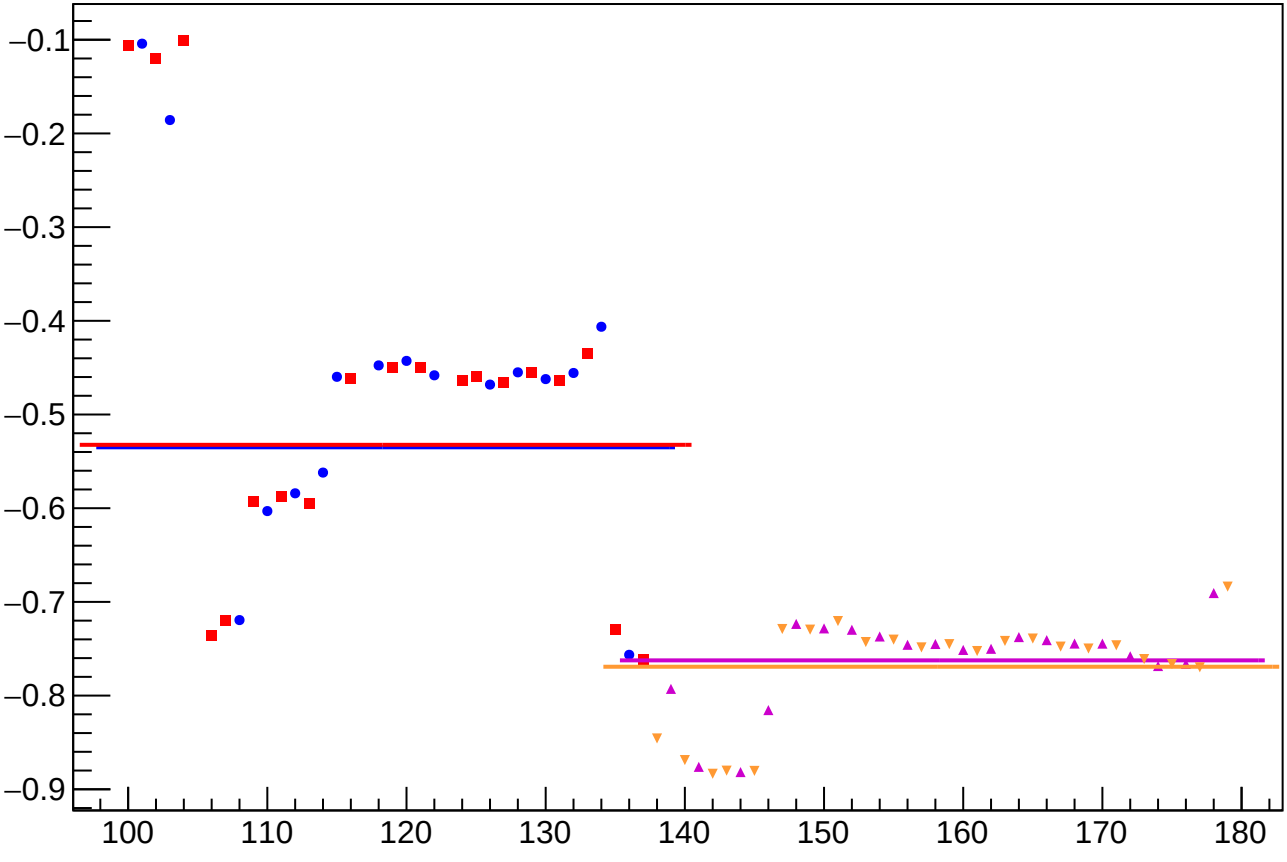
Left In: 0.291+/-0.000 χ^2/NDF:383936.3/19

+ sign 0.002+/-0.000 χ^2/NDF: 44393203.6/37

All: 0.002+/-0.000 χ^2/NDF: 86091351.1/76

- sign 0.002+/-0.000 χ^2/NDF: 41698095.7/38

yield_bpm4aX_mean vs Slug



Right In: -0.535+/-0.000 χ^2/NDF: 300846309.5/15

Left Out: -0.769+/-0.000 χ^2/NDF:131964170.2/21

Right Out: -0.532+/-0.000 χ^2/NDF: 214124648.5/18

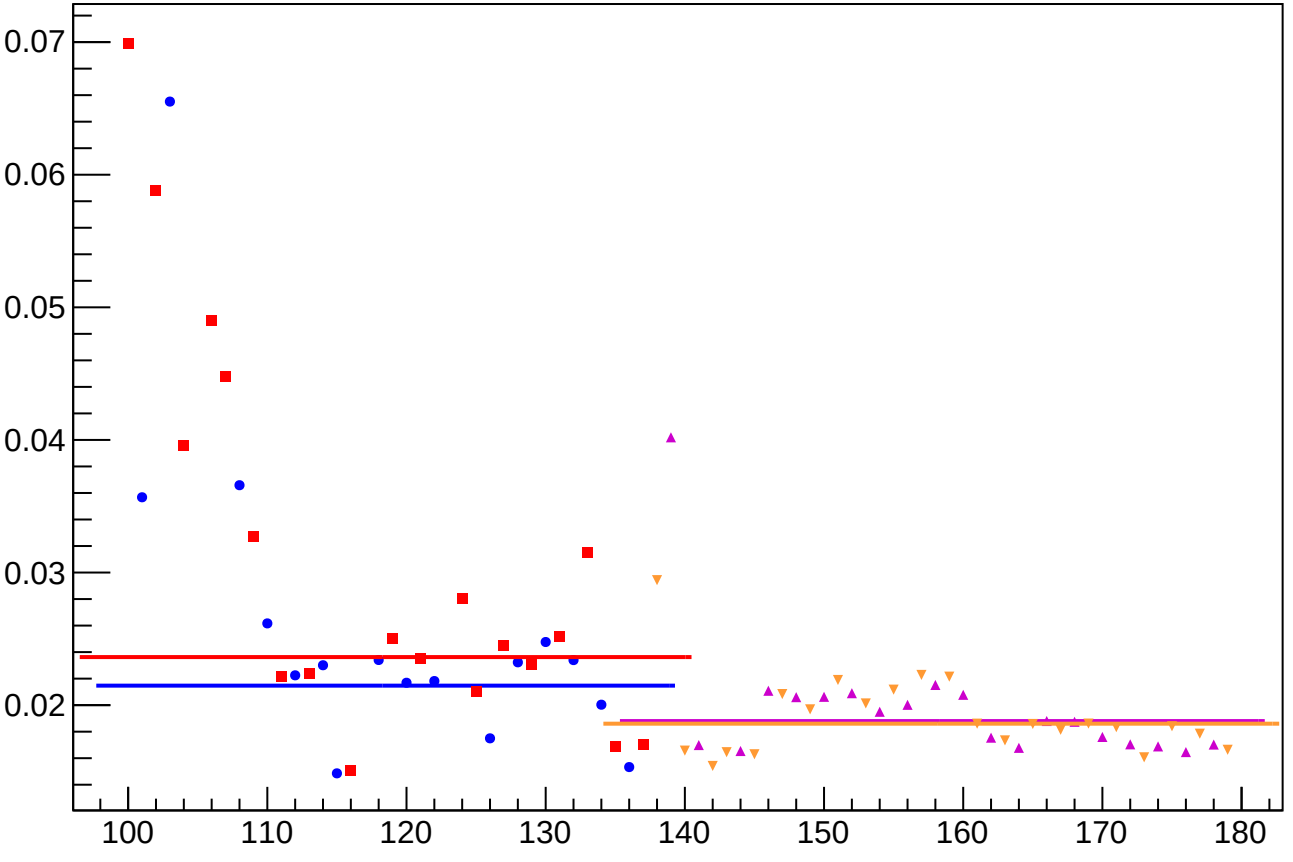
Left In: -0.762+/-0.000 χ^2/NDF:90287022.6/19

+ sign -0.717+/-0.000 χ^2/NDF: 928355254.2/37

All: -0.715+/-0.000 χ^2/NDF: 1649294253.7/7

- sign -0.713+/-0.000 χ^2/NDF: 720615563.9/38

yield_bpm4aX_rms vs Slug



Right In: 0.021+/-0.000 χ^2/NDF: 1153987.6/15

Left Out: 0.019+/-0.000 χ^2/NDF:476657.5/21

Right Out: 0.024+/-0.000 χ^2/NDF: 1277268.6/18

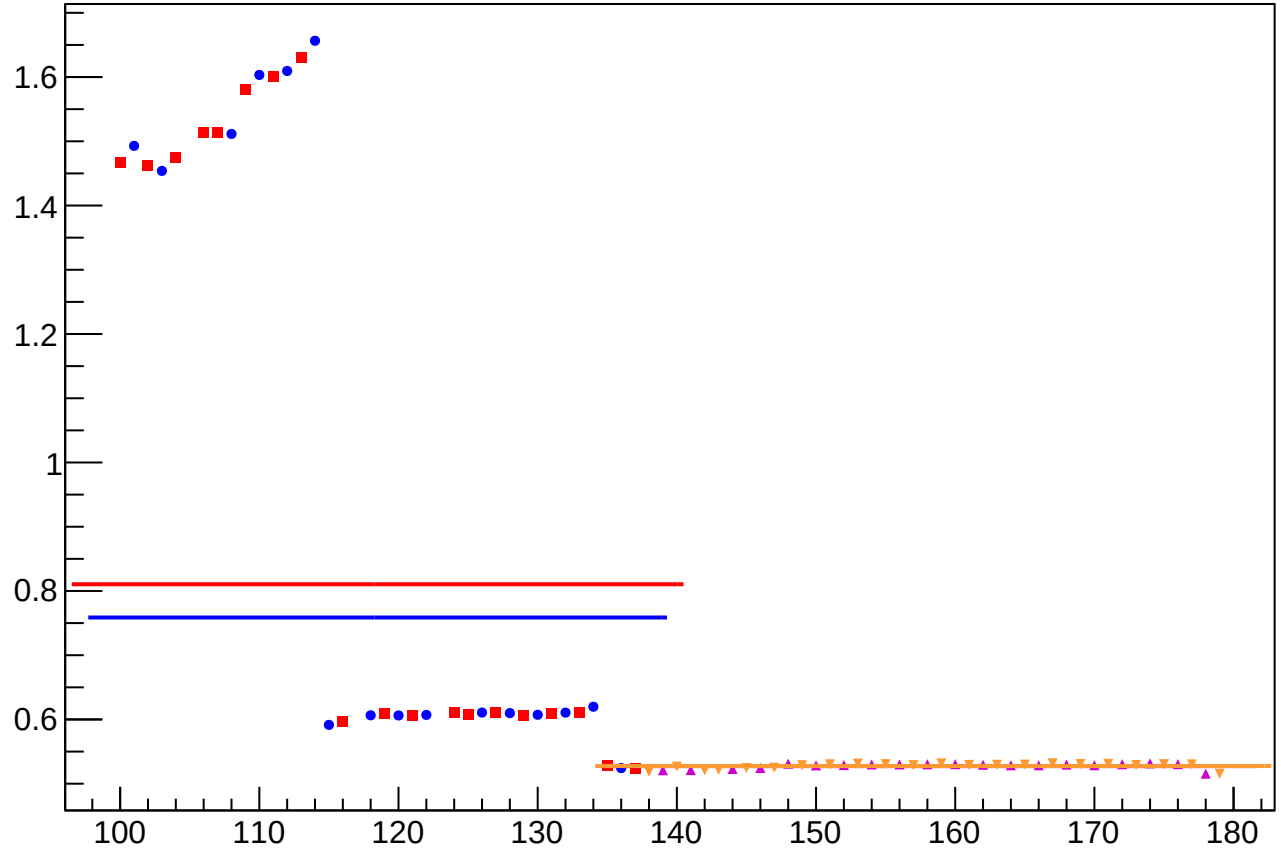
Left In: 0.019+/-0.000 χ^2/NDF:706536.5/19

+ sign 0.019+/-0.000 χ^2/NDF: 1779375.2/37

All: 0.020+/-0.000 χ^2/NDF: 4146465.0/76

- sign 0.020+/-0.000 χ^2/NDF: 2350164.4/38

yield_bpm4aY_mean vs Slug



Right In: 0.759+/-0.000 χ^2/NDF: 4304169889.2/15

Left Out: 0.527+/-0.000 χ^2/NDF:2538891.7/21

Right Out: 0.810+/-0.000 χ^2/NDF: 4769381416.8/18

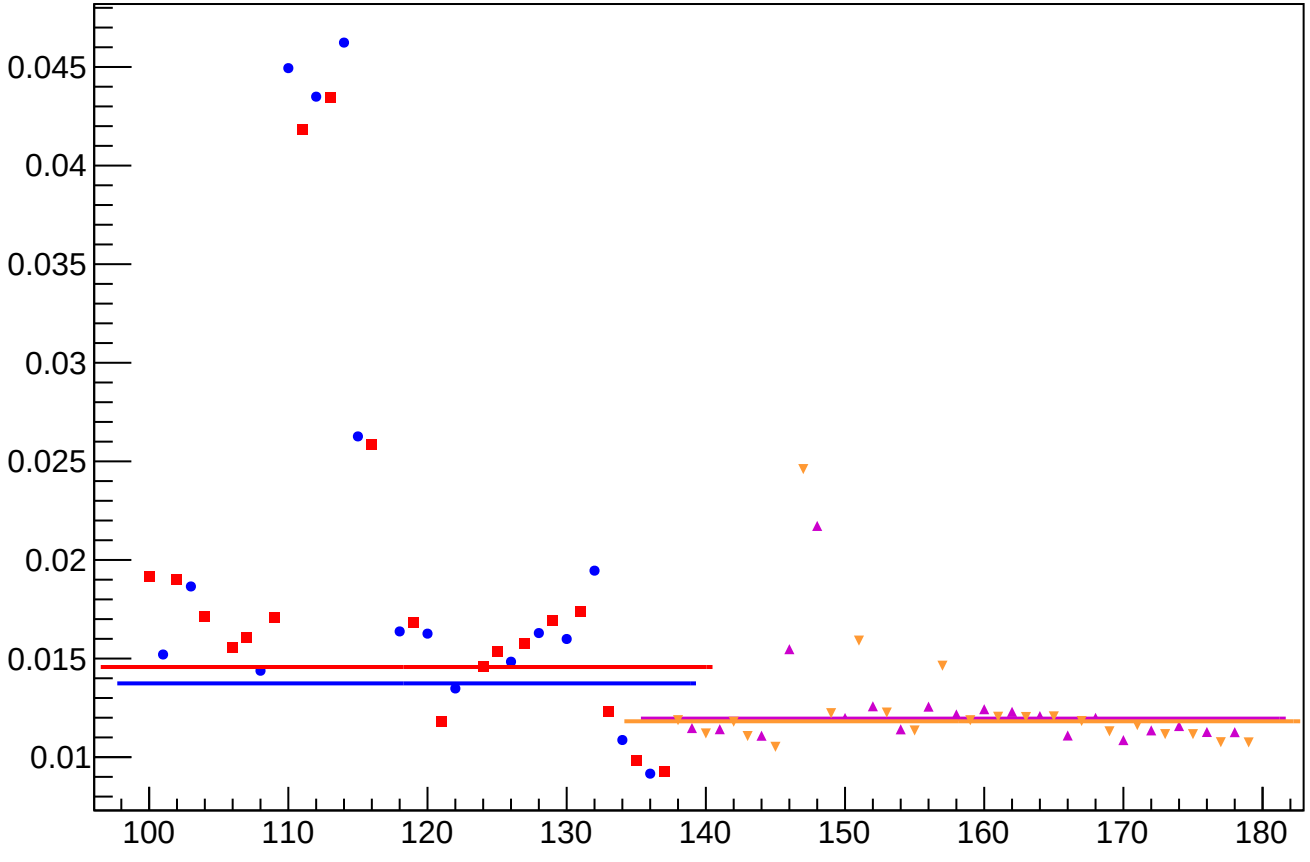
Left In: 0.527+/-0.000 χ^2/NDF:2060821.9/19

+ sign 0.576+/-0.000 χ^2/NDF: 5640244506.9/37

All: 0.581+/-0.000 χ^2/NDF: 12276927012.7/7

- sign 0.587+/-0.000 χ^2/NDF: 6627076021.8/38

yield_bpm4aY_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 1649769.2/15

Left Out: 0.012+/-0.000 χ^2/NDF:680177.8/21

Right Out: 0.015+/-0.000 χ^2/NDF: 1455054.4/18

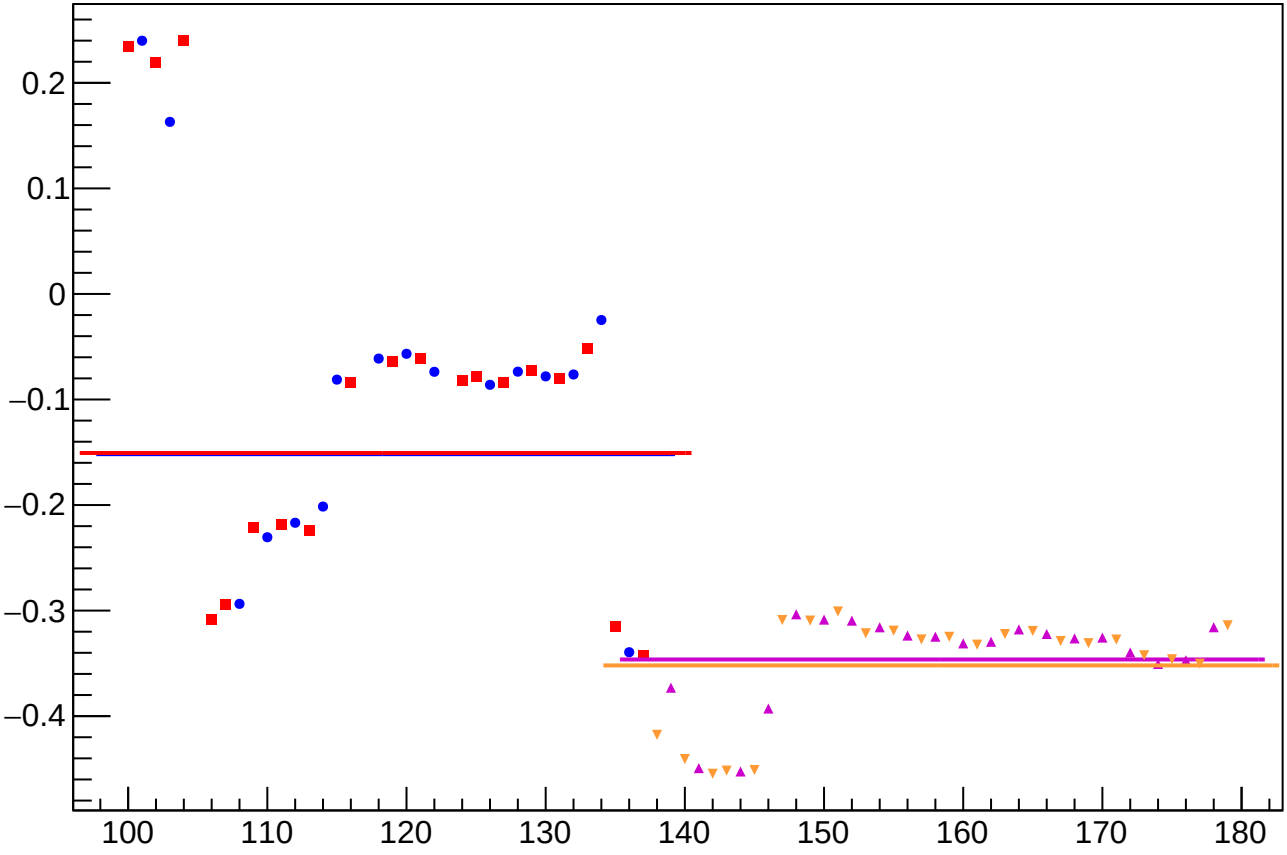
Left In: 0.012+/-0.000 χ^2/NDF:473956.1/19

+ sign 0.012+/-0.000 χ^2/NDF: 2514162.0/37

All: 0.012+/-0.000 χ^2/NDF: 4772470.3/76

- sign 0.013+/-0.000 χ^2/NDF: 2246348.4/38

yield_bpm4eX_mean vs Slug



Right In: -0.152+/-0.000 χ^2/NDF: 276791709.3/15

Left Out: -0.352+/-0.000 χ^2/NDF:111093989.0/21

Right Out: -0.151+/-0.000 χ^2/NDF: 199410234.4/18

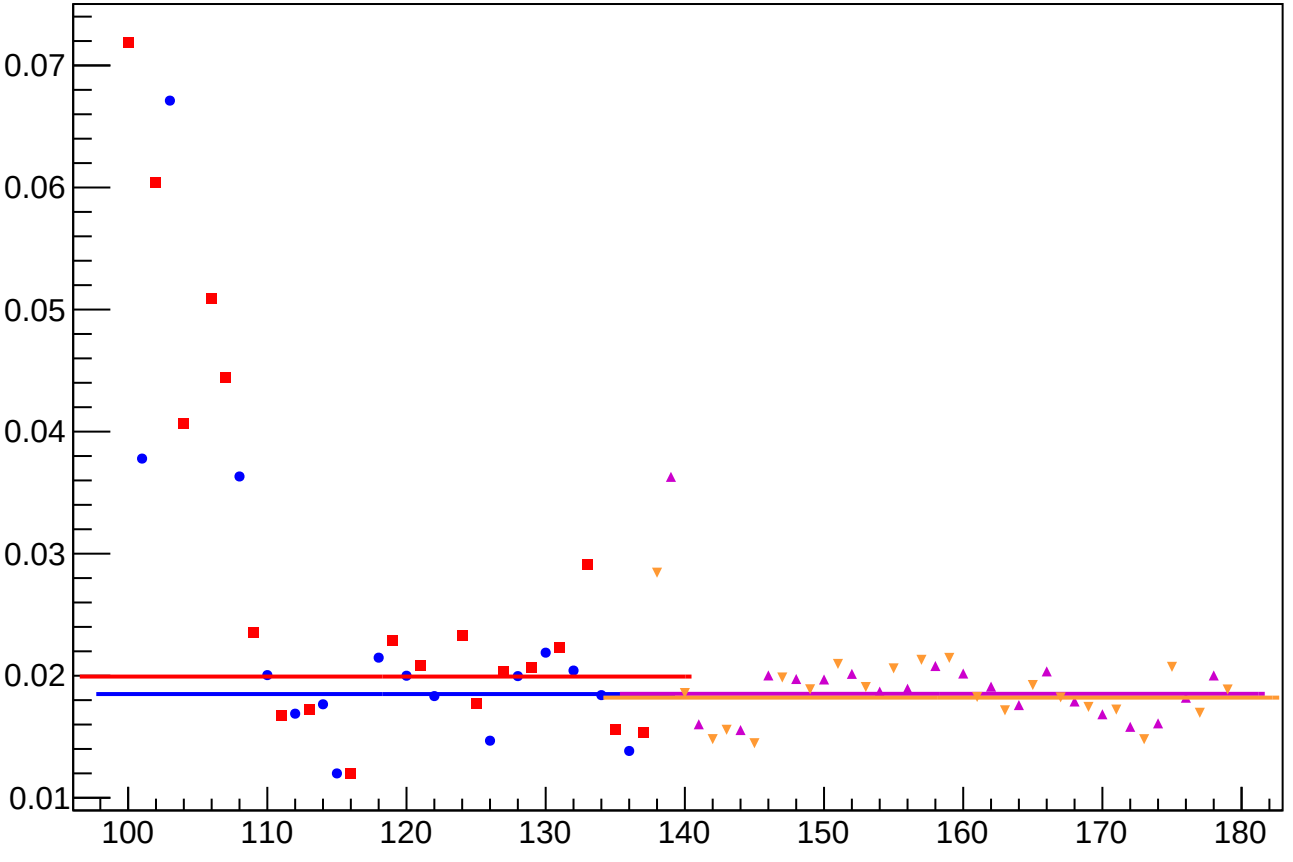
Left In: -0.346+/-0.000 χ^2/NDF:79854888.0/19

+ sign -0.299+/-0.000 χ^2/NDF: 841966755.9/37

All: -0.297+/-0.000 χ^2/NDF: 1508900289.1/7

- sign -0.295+/-0.000 χ^2/NDF: 666514022.4/38

yield_bpm4eX_rms vs Slug



Right In: 0.018+/-0.000 χ^2/NDF: 1372359.1/15

Left Out: 0.018+/-0.000 χ^2/NDF:547888.1/21

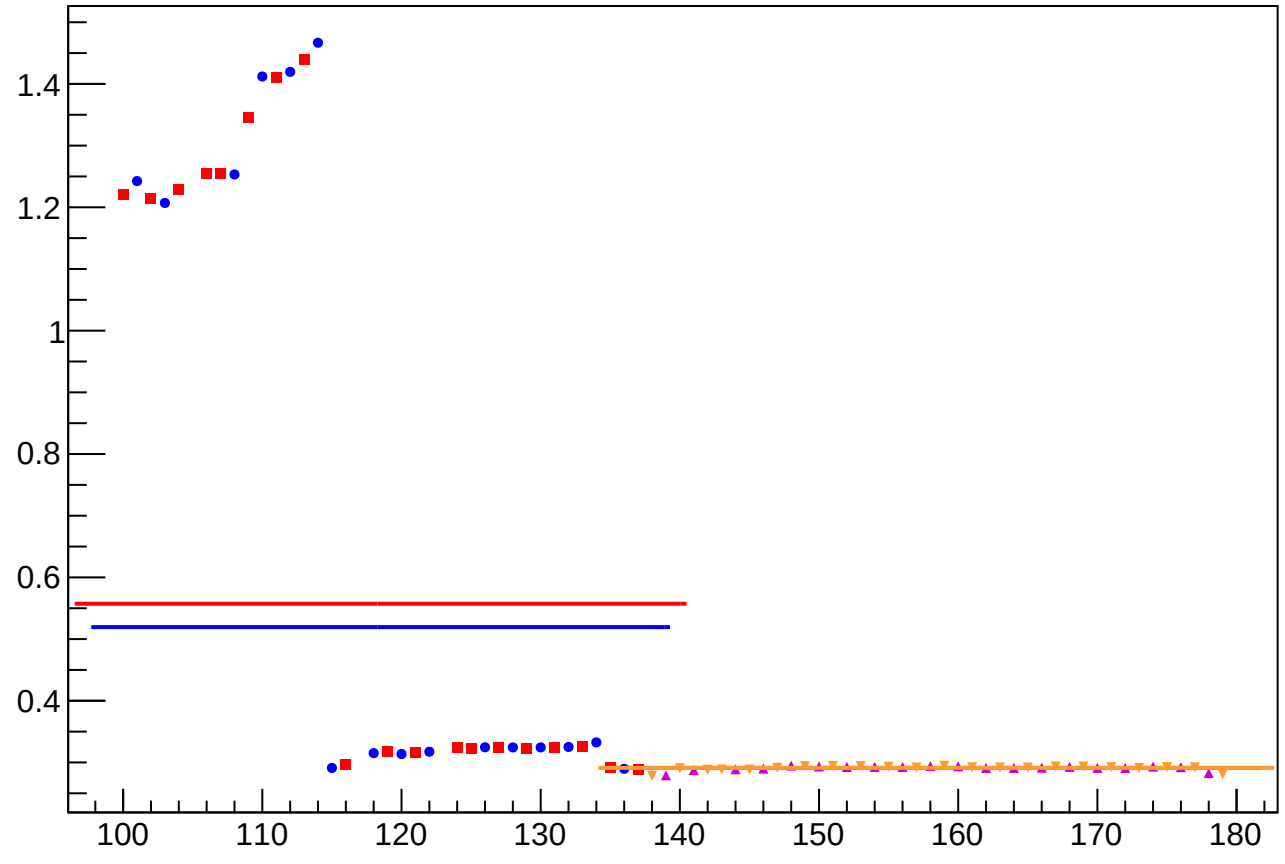
Right Out: 0.020+/-0.000 χ^2/NDF: 1547561.3/18

Left In: 0.019+/-0.000 χ^2/NDF:643426.4/19

+ sign 0.018+/-0.000 χ^2/NDF: 1922183.3/37

All: 0.019+/-0.000 χ^2/NDF: 4173770.6/76

- sign 0.019+/-0.000 χ^2/NDF: 2231487.8/38



Right In: 0.519+/-0.000 χ^2/NDF: 6319132275.3/15

Left Out: 0.291+/-0.000 χ^2/NDF:1848056.8/21

Right Out: 0.557+/-0.000 χ^2/NDF: 6746144835.5/18

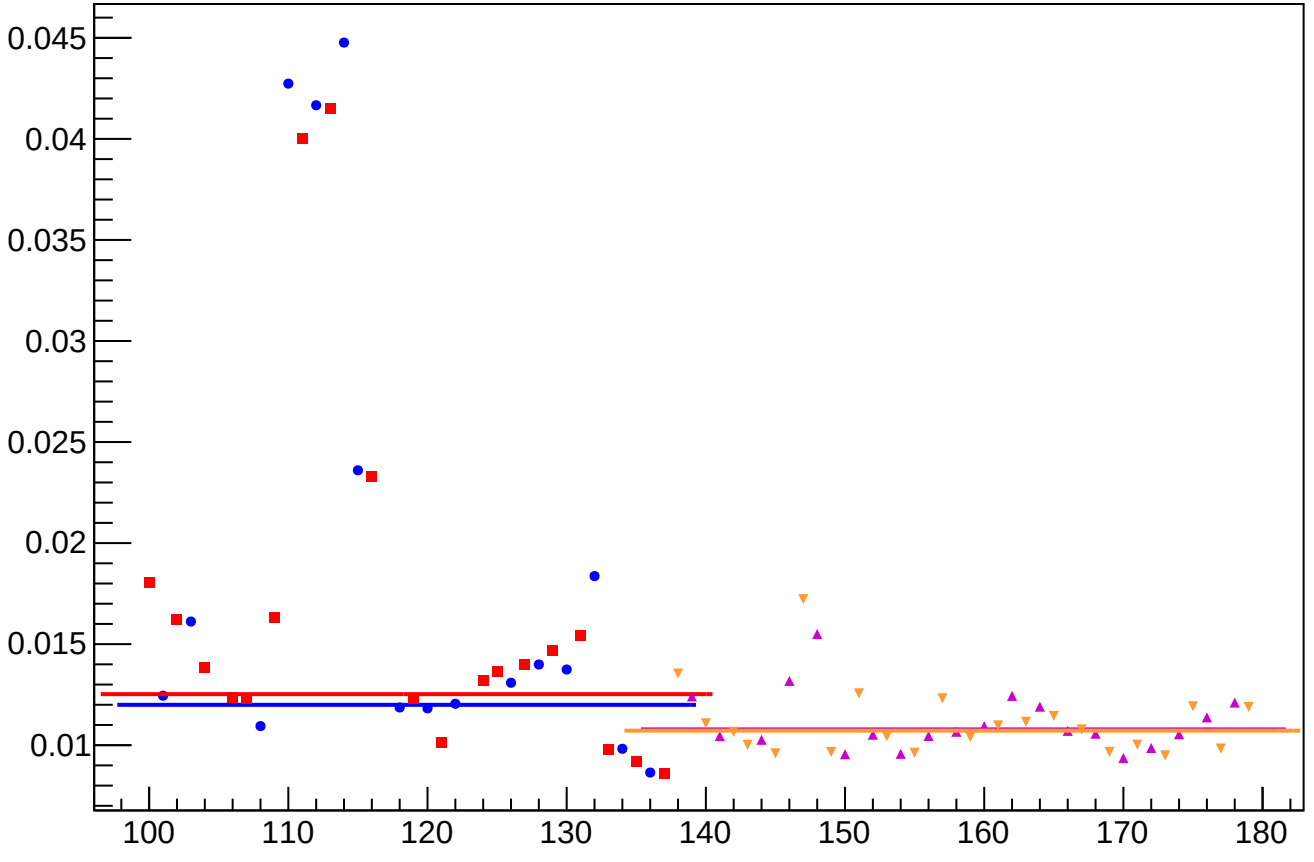
Left In: 0.291+/-0.000 χ^2/NDF:1600447.4/19

+ sign 0.342+/-0.000 χ^2/NDF: 7996716245.0/37

All: 0.347+/-0.000 χ^2/NDF: 16891492062.7/7

- sign 0.351+/-0.000 χ^2/NDF: 8887027403.2/38

yield_bpm4eY_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 1491608.2/15

Left Out: 0.011+/-0.000 χ^2/NDF:531237.4/21

Right Out: 0.013+/-0.000 χ^2/NDF: 1434210.5/18

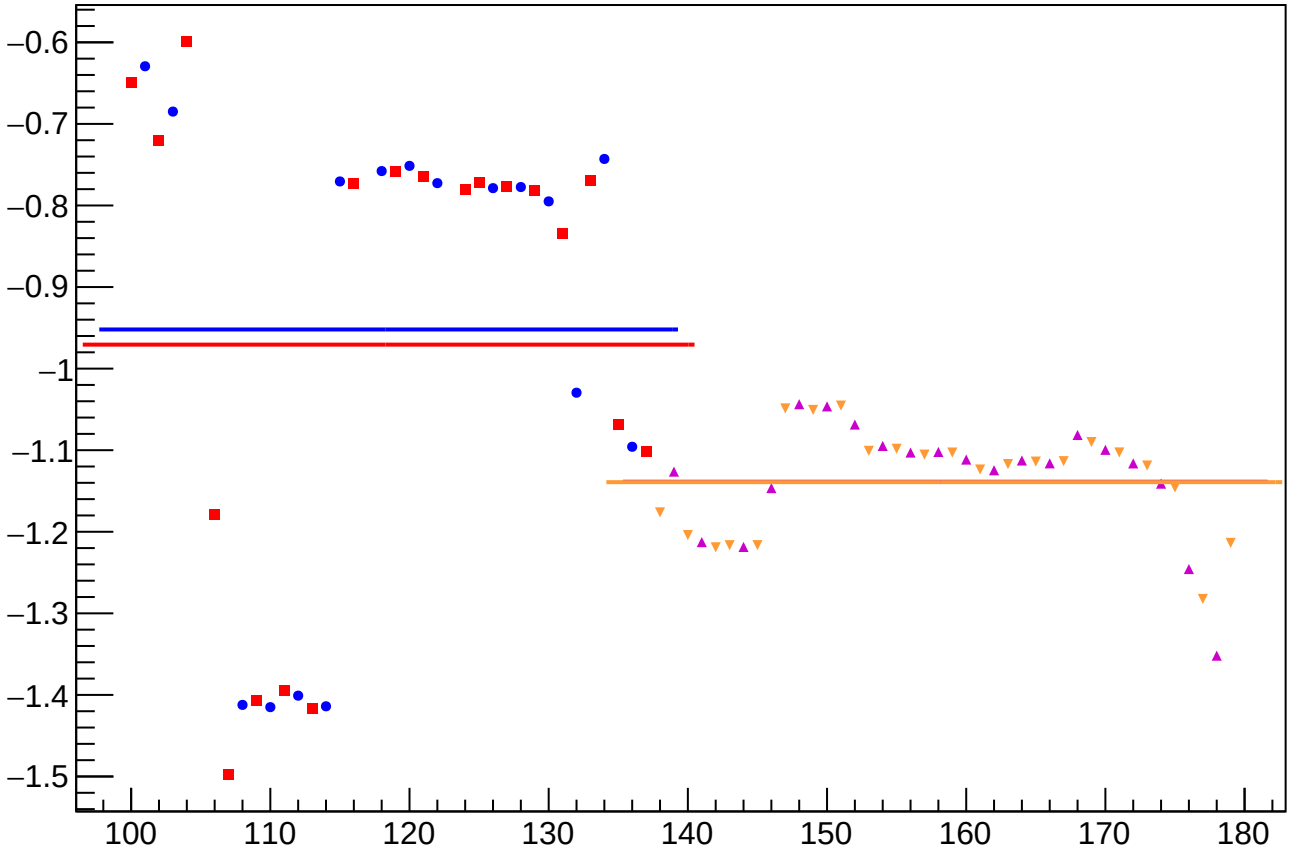
Left In: 0.011+/-0.000 χ^2/NDF:407438.6/19

+ sign 0.011+/-0.000 χ^2/NDF: 2127861.8/37

All: 0.011+/-0.000 χ^2/NDF: 4158295.1/76

- sign 0.011+/-0.000 χ^2/NDF: 2025126.6/38

yield_bpm4acX_mean vs Slug



Right In: -0.952+/-0.000 χ^2/NDF: 699468857.6/15

Left Out: -1.139+/-0.000 χ^2/NDF:167201407.3/21

Right Out: -0.971+/-0.000 χ^2/NDF: 714505458.0/18

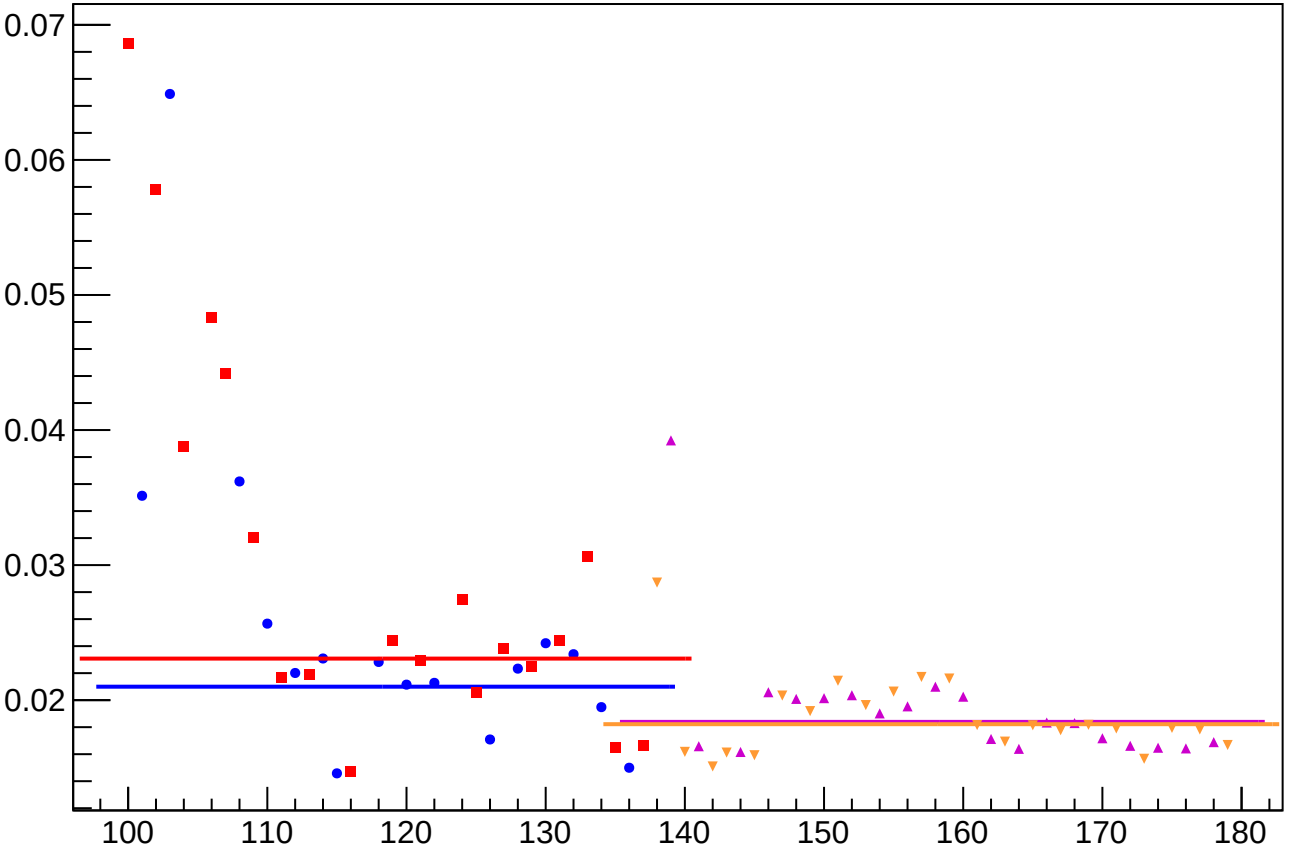
Left In: -1.139+/-0.000 χ^2/NDF:220476419.8/19

+ sign -1.097+/-0.000 χ^2/NDF: 1196986798.2/37

All: -1.100+/-0.000 χ^2/NDF: 2364824662.7/7

- sign -1.103+/-0.000 χ^2/NDF: 1167061509.3/38

yield_bpm4acX_rms vs Slug



Right In: 0.021+/-0.000 χ^2/NDF: 1166992.9/15

Left Out: 0.018+/-0.000 χ^2/NDF:462894.0/21

Right Out: 0.023+/-0.000 χ^2/NDF: 1281311.4/18

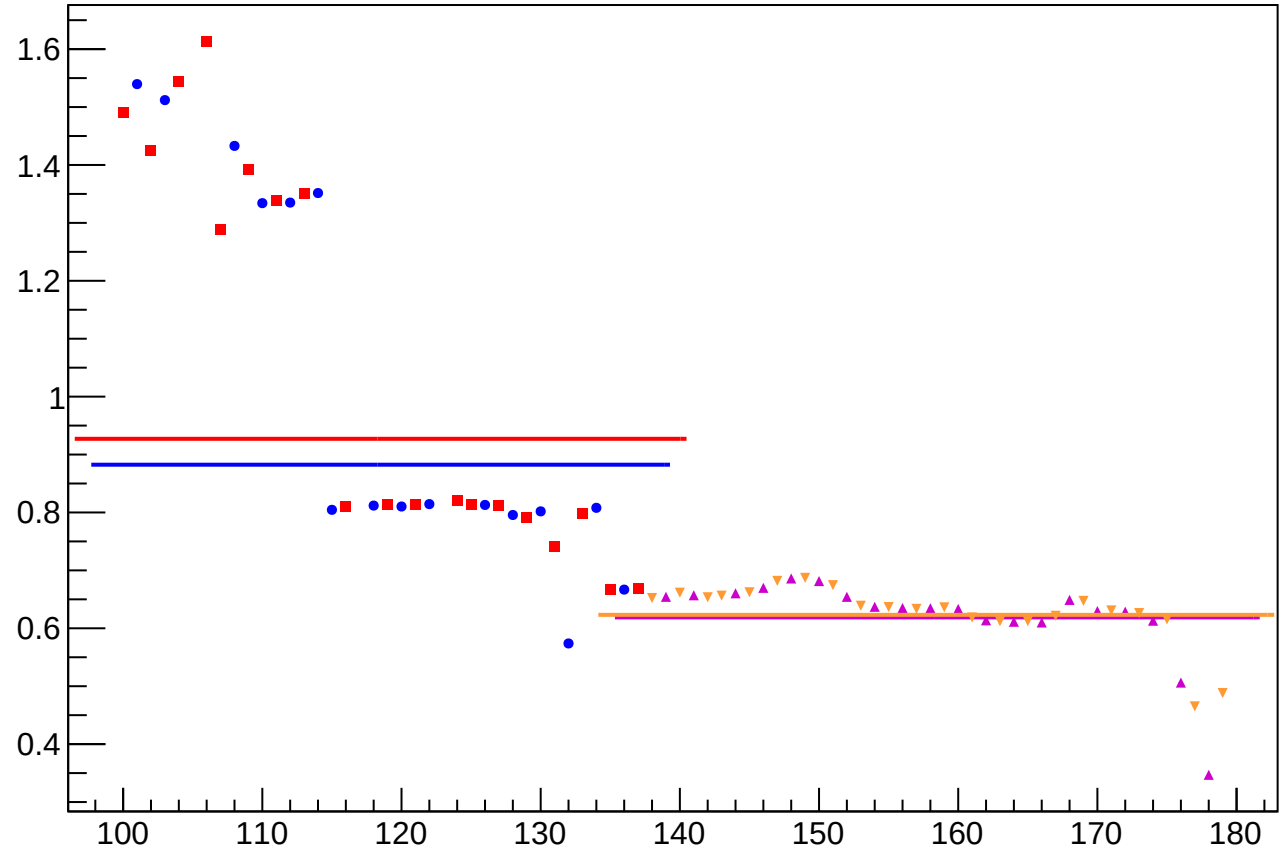
Left In: 0.018+/-0.000 χ^2/NDF:693608.0/19

+ sign 0.019+/-0.000 χ^2/NDF: 1775242.6/37

All: 0.019+/-0.000 χ^2/NDF: 4126469.3/76

- sign 0.019+/-0.000 χ^2/NDF: 2335748.4/38

yield_bpm4acY_mean vs Slug



Right In: 0.882+/-0.000 χ^2/NDF: 2784156746.4/15

Left Out: 0.623+/-0.000 χ^2/NDF:352151273.7/21

Right Out: 0.927+/-0.000 χ^2/NDF: 2762998321.3/18

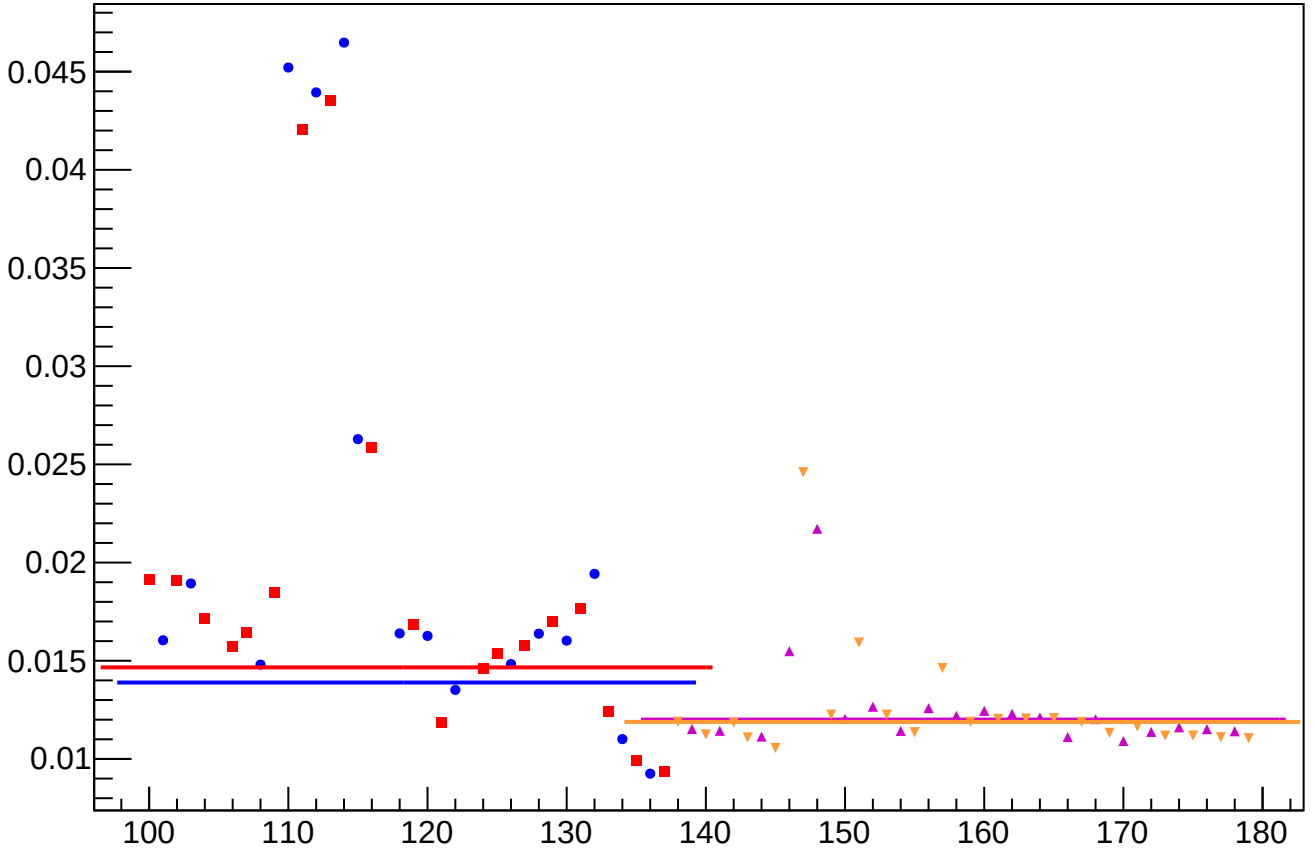
Left In: 0.619+/-0.000 χ^2/NDF:595194735.4/19

+ sign 0.677+/-0.000 χ^2/NDF: 4773037680.6/37

All: 0.680+/-0.000 χ^2/NDF: 10302036882.4/7

- sign 0.684+/-0.000 χ^2/NDF: 5525706143.9/38

yield_bpm4acY_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 1646691.8/15

Left Out: 0.012+/-0.000 χ^2/NDF:657537.0/21

Right Out: 0.015+/-0.000 χ^2/NDF: 1467025.6/18

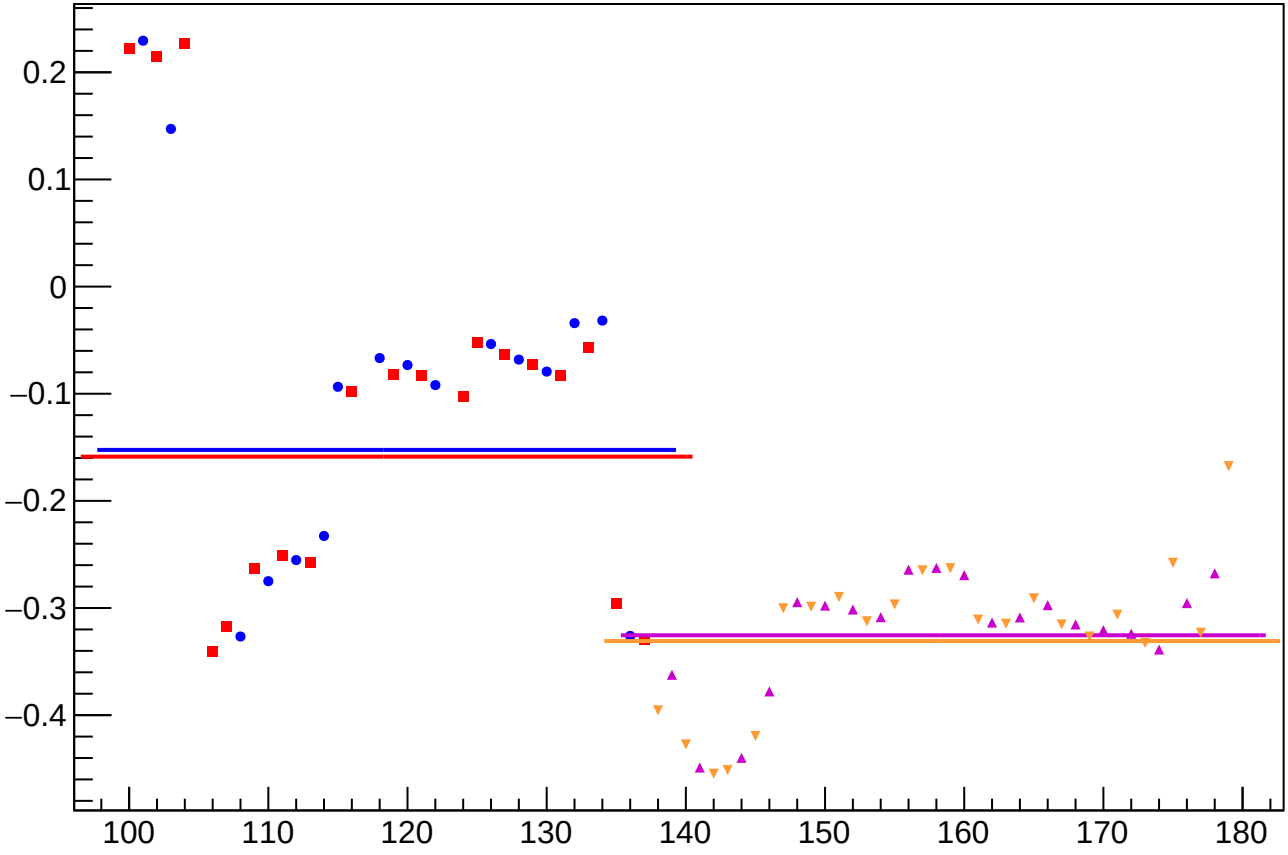
Left In: 0.012+/-0.000 χ^2/NDF:465579.1/19

+ sign 0.012+/-0.000 χ^2/NDF: 2500280.3/37

All: 0.012+/-0.000 χ^2/NDF: 4764907.2/76

- sign 0.013+/-0.000 χ^2/NDF: 2254780.9/38

yield_bpm4ecX_mean vs Slug



Right In: -0.152+/-0.000 χ^2/NDF: 274261842.6/15

Left Out: -0.331+/-0.000 χ^2/NDF:153497913.3/21

Right Out: -0.159+/-0.000 χ^2/NDF: 195614120.0/18

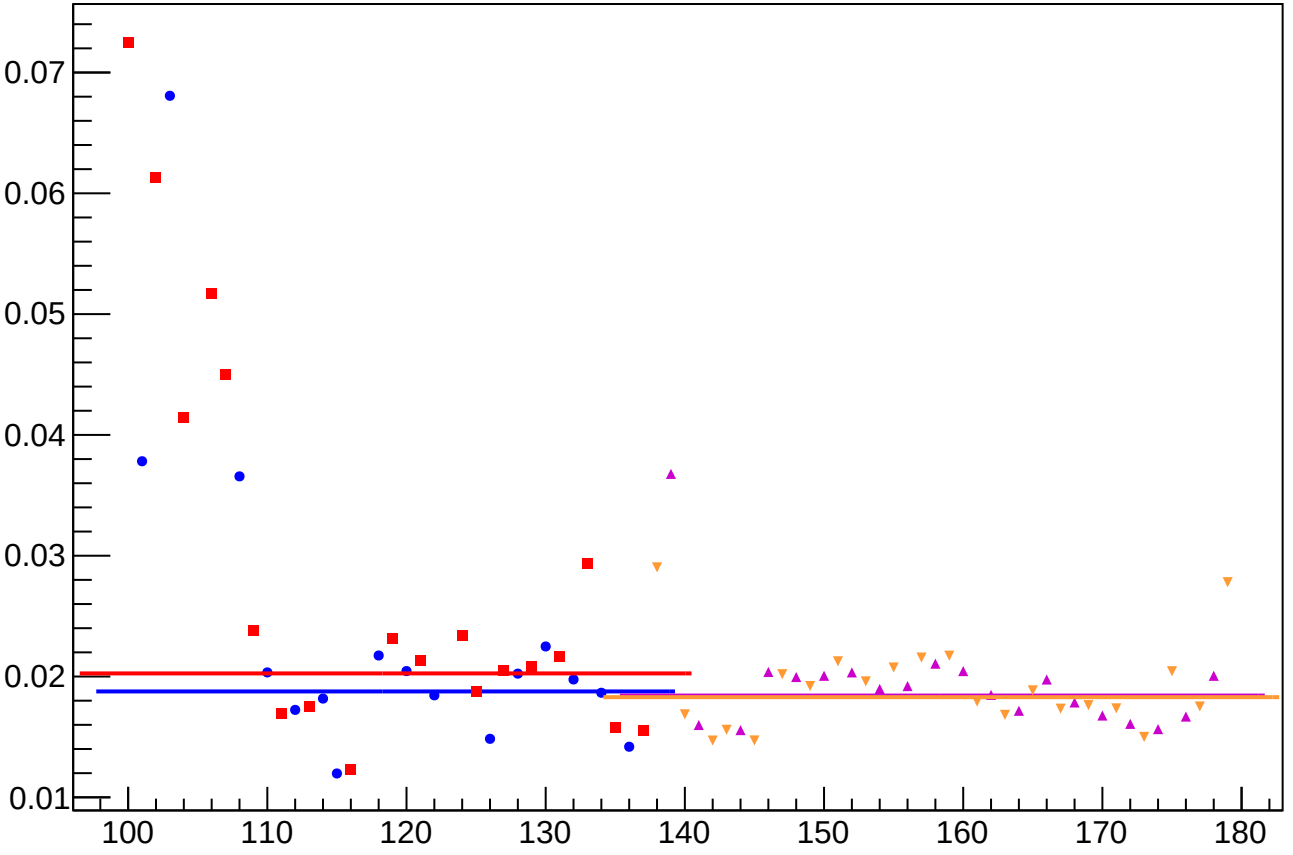
Left In: -0.325+/-0.000 χ^2/NDF:111451856.4/19

+ sign -0.283+/-0.000 χ^2/NDF: 777769779.0/37

All: -0.283+/-0.000 χ^2/NDF: 1359182932.0/7

- sign -0.283+/-0.000 χ^2/NDF: 581405410.2/38

yield_bpm4ecX_rms vs Slug



Right In: 0.019+/-0.000 χ^2/NDF: 1349412.3/15

Left Out: 0.018+/-0.000 χ^2/NDF:682900.4/21

Right Out: 0.020+/-0.000 χ^2/NDF: 1529624.9/18

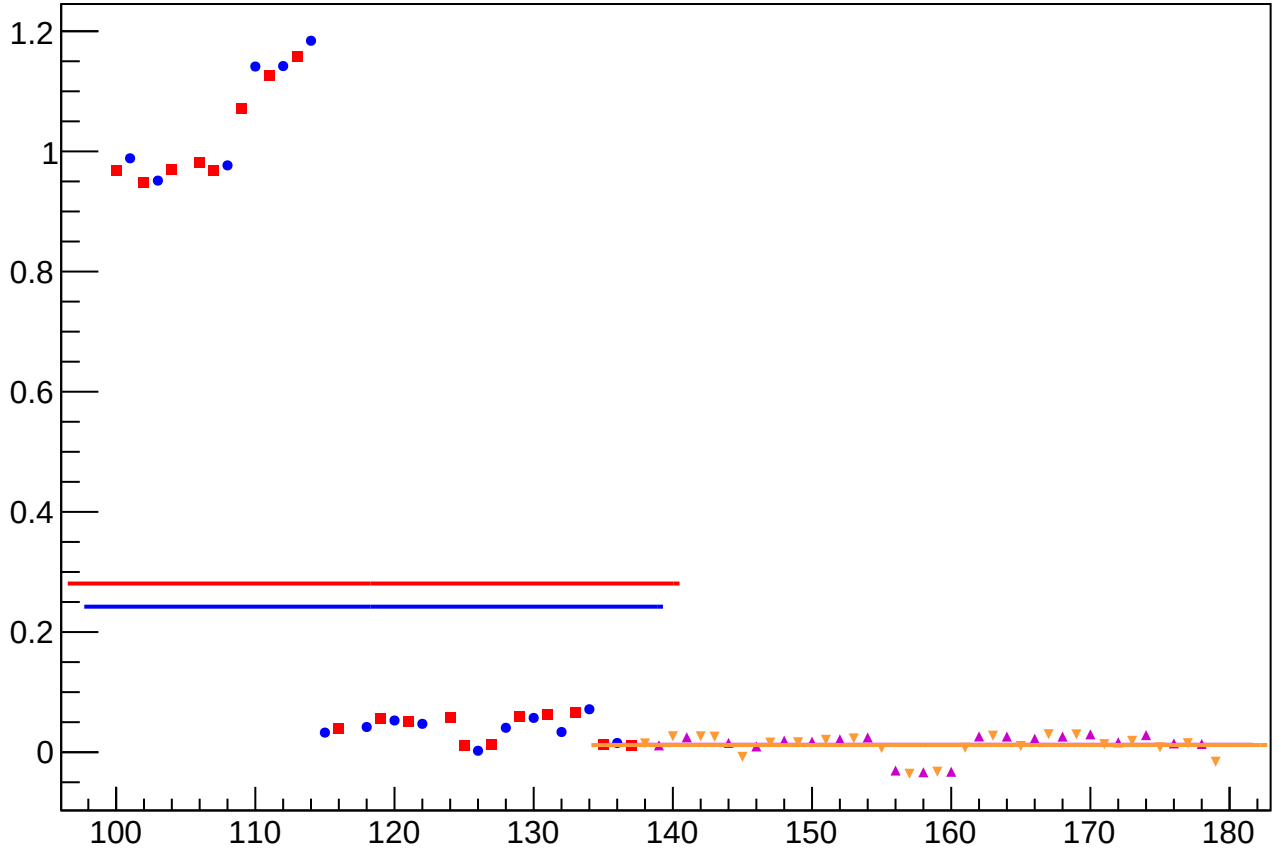
Left In: 0.018+/-0.000 χ^2/NDF:692969.3/19

+ sign 0.018+/-0.000 χ^2/NDF: 2037286.9/37

All: 0.019+/-0.000 χ^2/NDF: 4338493.8/76

- sign 0.019+/-0.000 χ^2/NDF: 2288912.7/38

yield_bpm4ecY_mean vs Slug



Right In: 0.242+/-0.000 χ^2/NDF: 6507444426.7/15

Left Out: 0.012+/-0.000 χ^2/NDF:46320980.8/21

Right Out: 0.281+/-0.000 χ^2/NDF: 6757631639.3/18

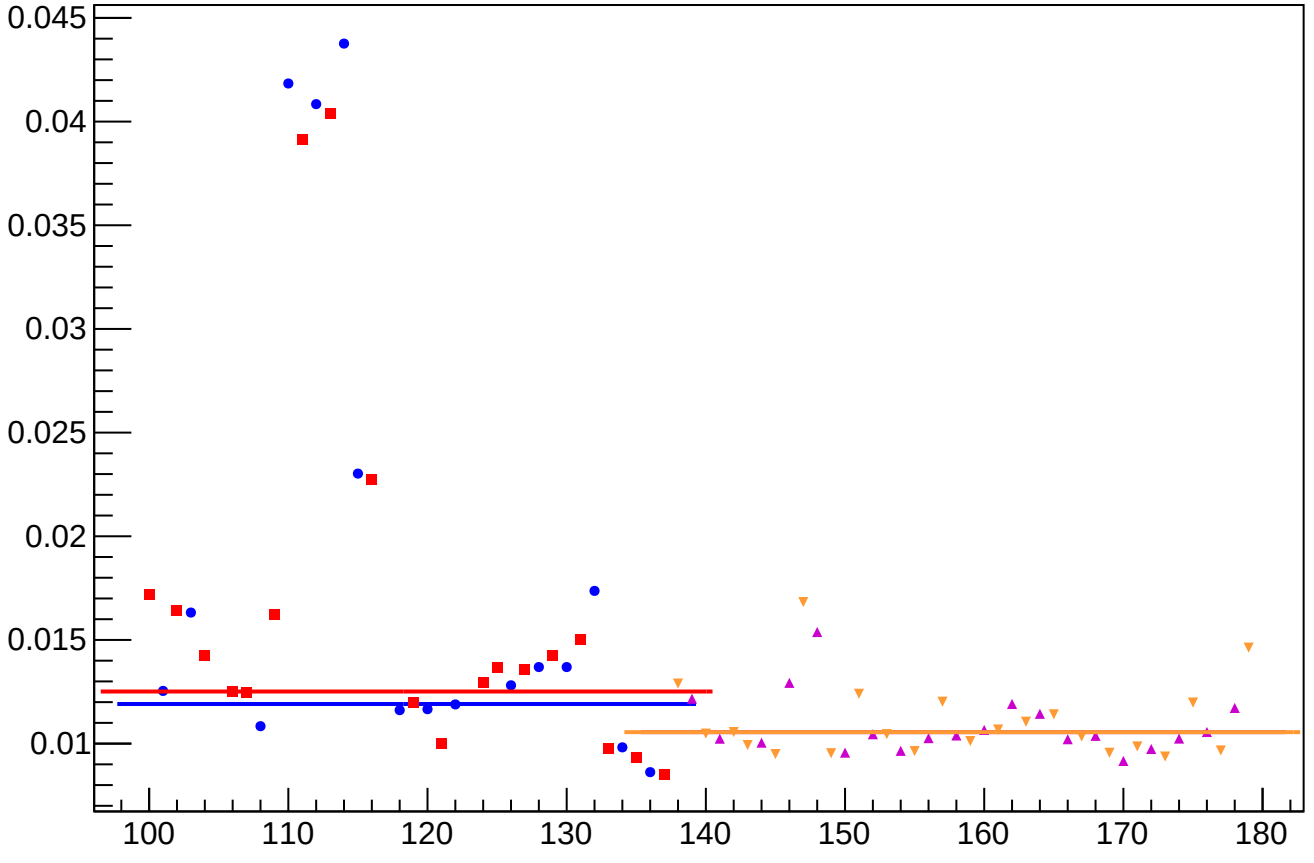
Left In: 0.012+/-0.000 χ^2/NDF:57595236.5/19

+ sign 0.064+/-0.000 χ^2/NDF: 8283896048.7/37

All: 0.068+/-0.000 χ^2/NDF: 17303672770.4/

- sign 0.072+/-0.000 χ^2/NDF: 9014218377.0/38

yield_bpm4ecY_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 1459428.8/15

Left Out: 0.011+/-0.000 χ^2/NDF:551118.6/21

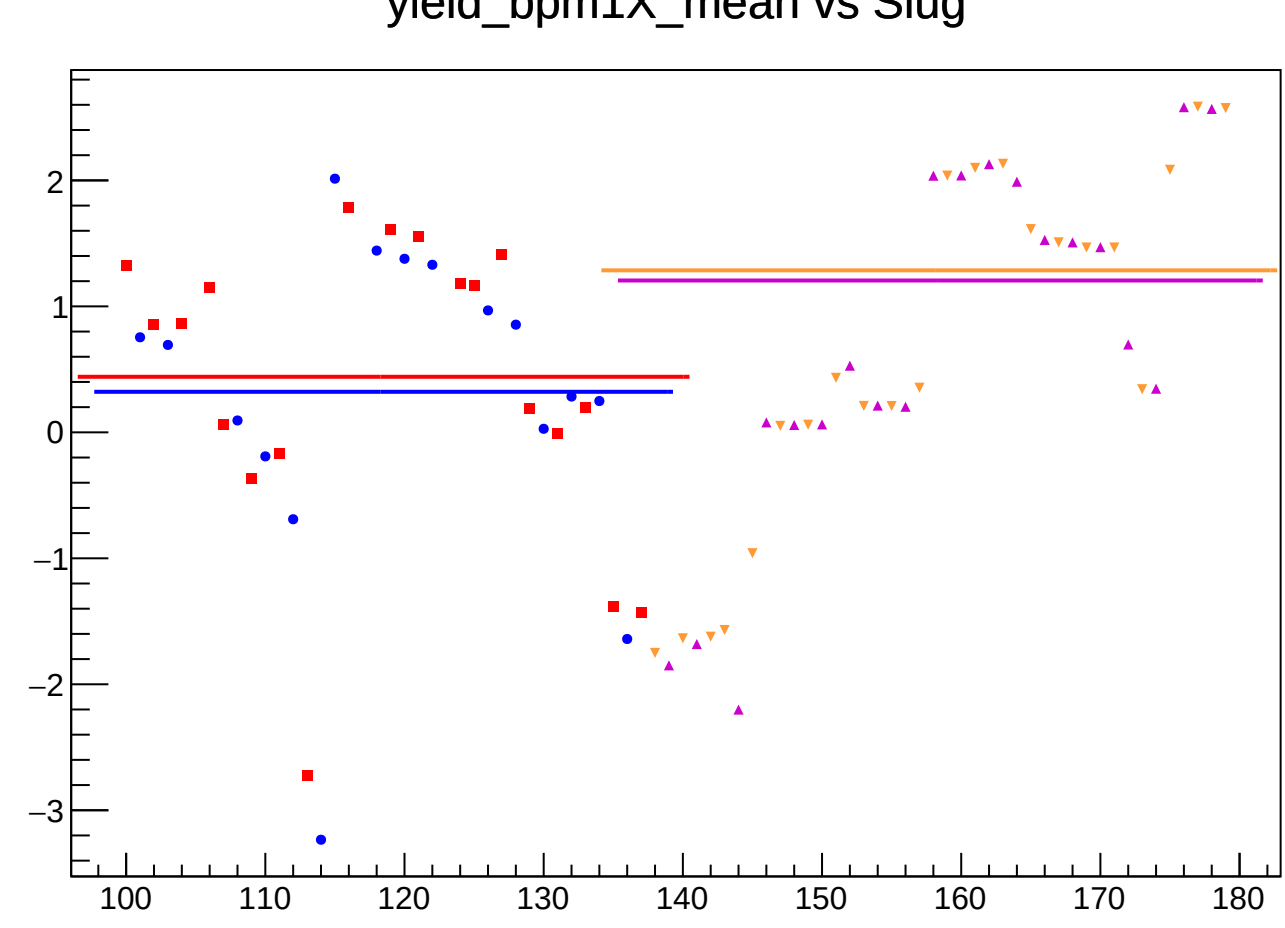
Right Out: 0.013+/-0.000 χ^2/NDF: 1392455.1/18

Left In: 0.011+/-0.000 χ^2/NDF:374463.2/19

+ sign 0.011+/-0.000 χ^2/NDF: 2130764.9/37

All: 0.011+/-0.000 χ^2/NDF: 4134806.4/76

- sign 0.011+/-0.000 χ^2/NDF: 2001050.6/38



Right In: 0.322+/-0.000 χ^2/NDF: 1664983742.5/15

Left Out: 1.286+/-0.000 χ^2/NDF:46664321840.7/21

Right Out: 0.441+/-0.000 χ^2/NDF: 1796703168.4/18

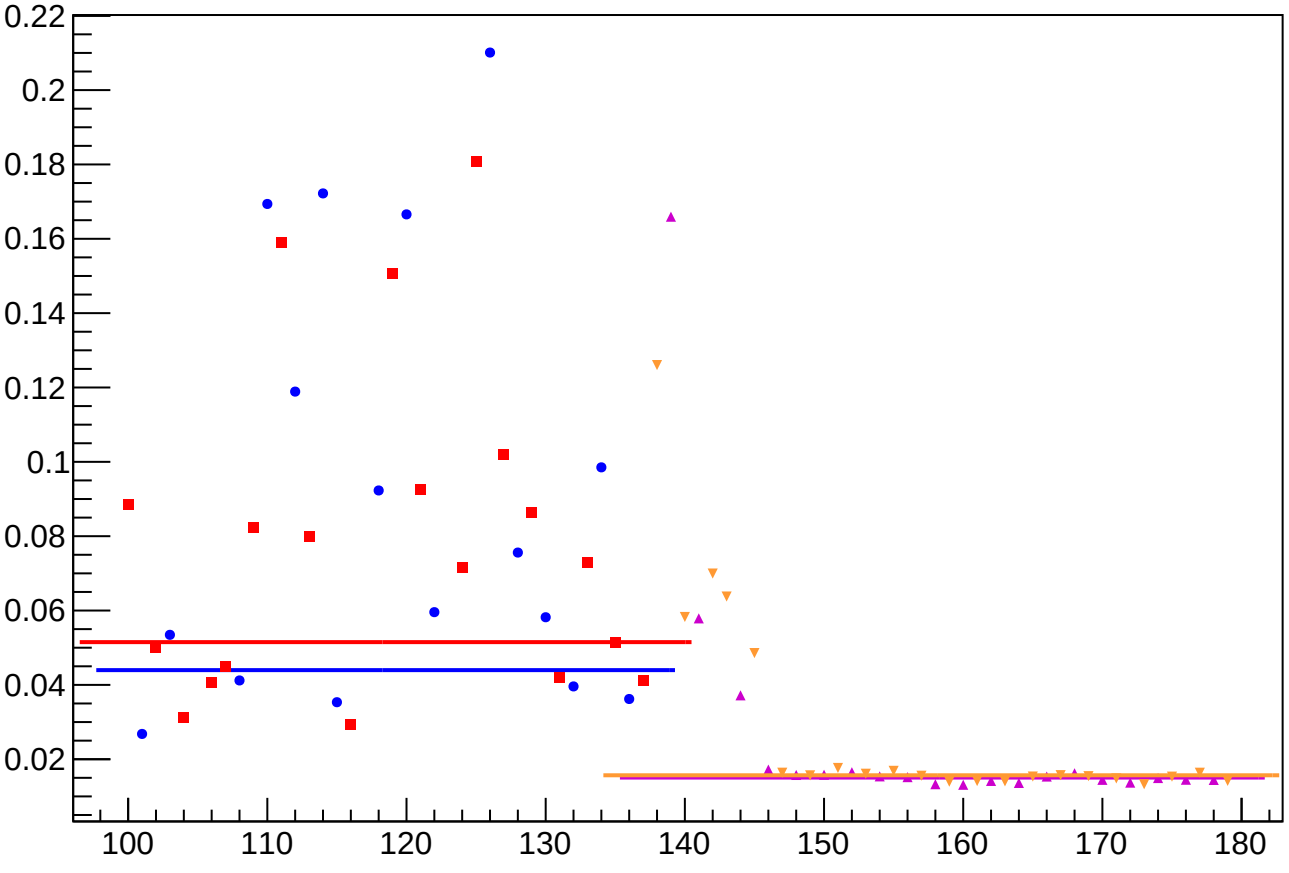
Left In: 1.205+/-0.000 χ^2/NDF:48495730687.7/19

+ sign 1.251+/-0.000 χ^2/NDF: 50107281816.7/37

All: 1.217+/-0.000 χ^2/NDF: 101461164056.0

- sign 1.183+/-0.000 χ^2/NDF: 51225466320.6/38

yield_bpm1X_rms vs Slug



Right In: 0.044+/-0.000 χ^2/NDF: 2787474.8/15

Left Out: 0.016+/-0.000 χ^2/NDF:2962239.2/21

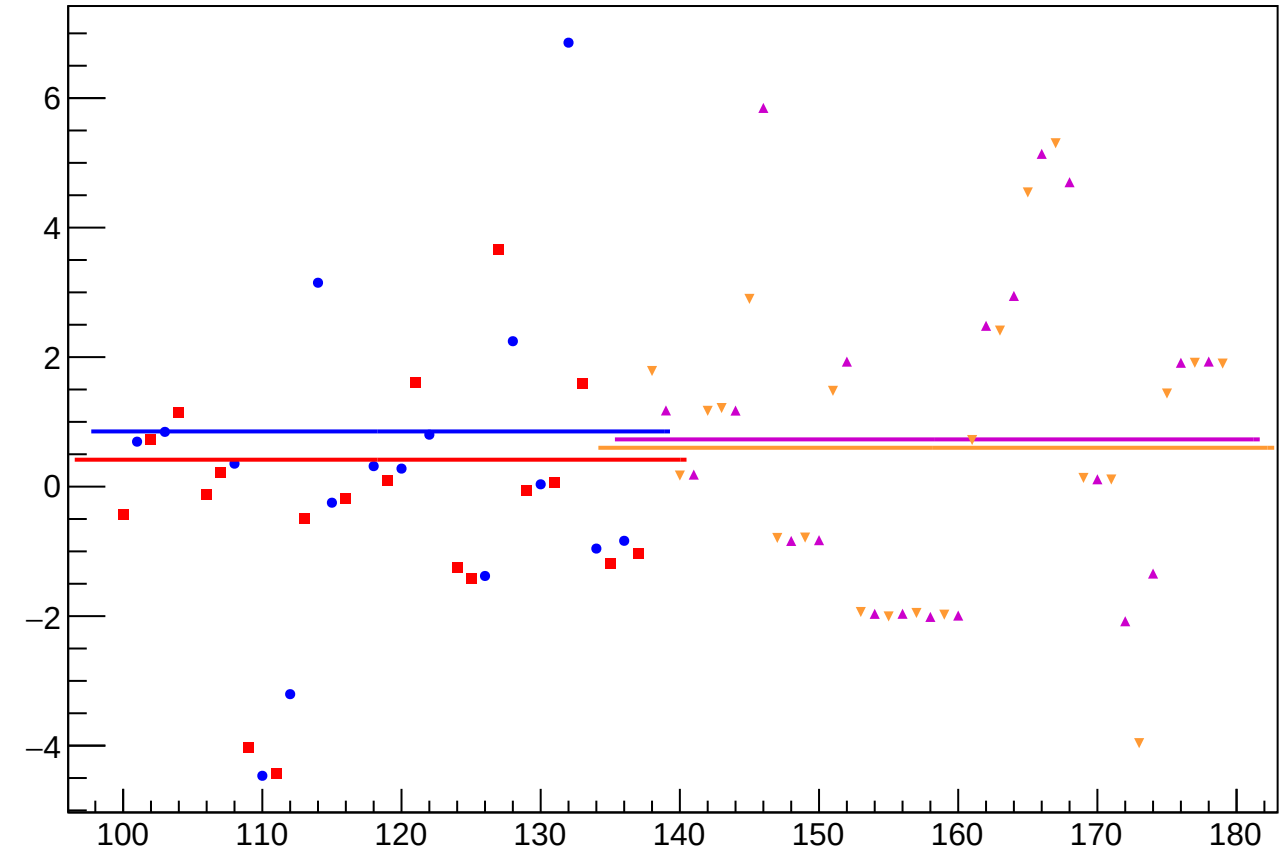
Right Out: 0.052+/-0.000 χ^2/NDF: 2367478.8/18

Left In: 0.015+/-0.000 χ^2/NDF:2174399.6/19

+ sign 0.017+/-0.000 χ^2/NDF: 8810611.8/37

All: 0.016+/-0.000 χ^2/NDF: 17609919.2/76

- sign 0.016+/-0.000 χ^2/NDF: 8782058.3/38



Right In: 0.852+/-0.000 χ^2/NDF: 11576037687.7/15

Left Out: 0.600+/-0.000 χ^2/NDF:524103874661.1/21

Right Out: 0.416+/-0.000 χ^2/NDF: 5121892038.7/18

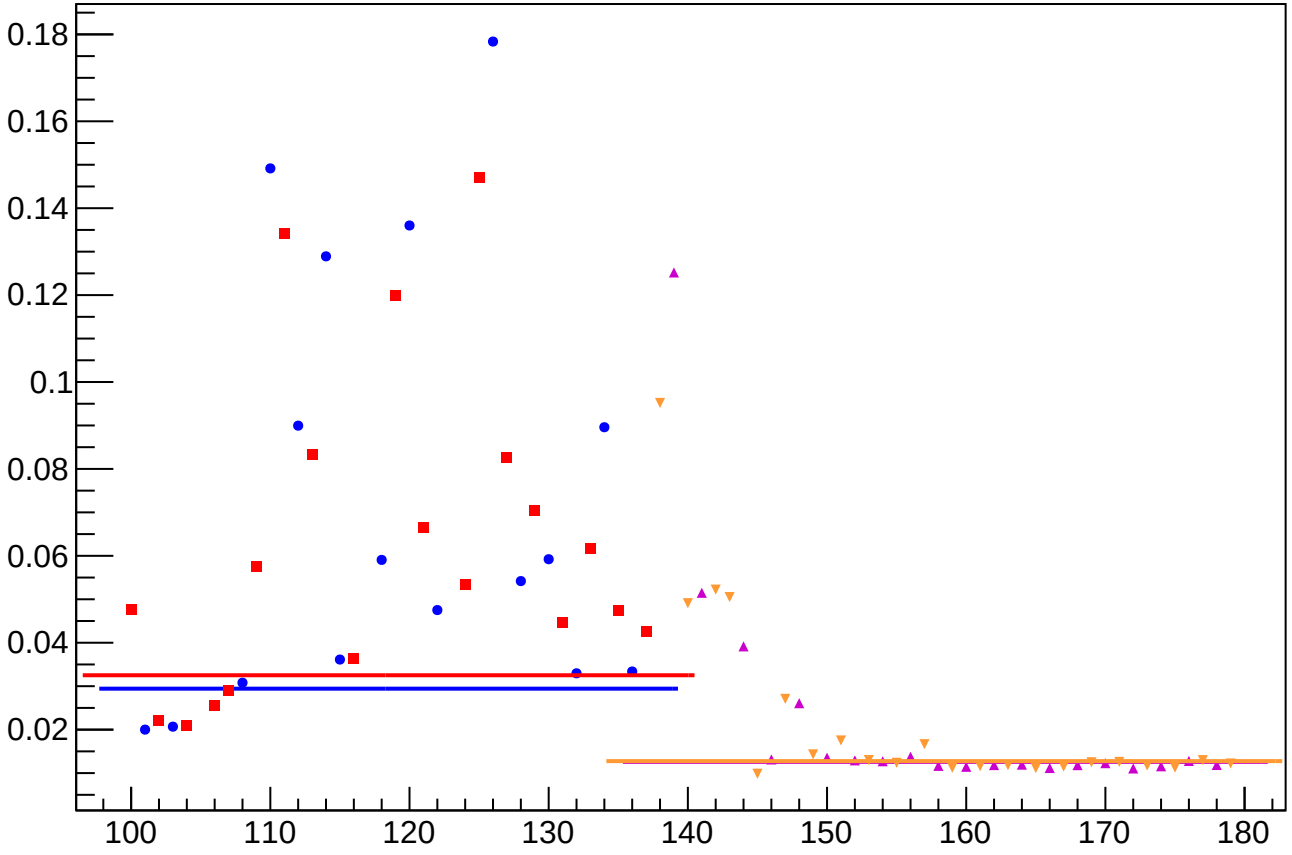
Left In: 0.730+/-0.000 χ^2/NDF:607894548095.1/19

+ sign 0.612+/-0.000 χ^2/NDF: 535938348205.4/37

All: 0.664+/-0.000 χ^2/NDF: 1149803385217.

- sign 0.716+/-0.000 χ^2/NDF: 613383513620.1/38

yield_bpm1Y_rms vs Slug



Right In: 0.029+/-0.000 χ^2/NDF: 3192424.8/15

Left Out: 0.013+/-0.000 χ^2/NDF:3165598.6/21

Right Out: 0.033+/-0.000 χ^2/NDF: 3315430.7/18

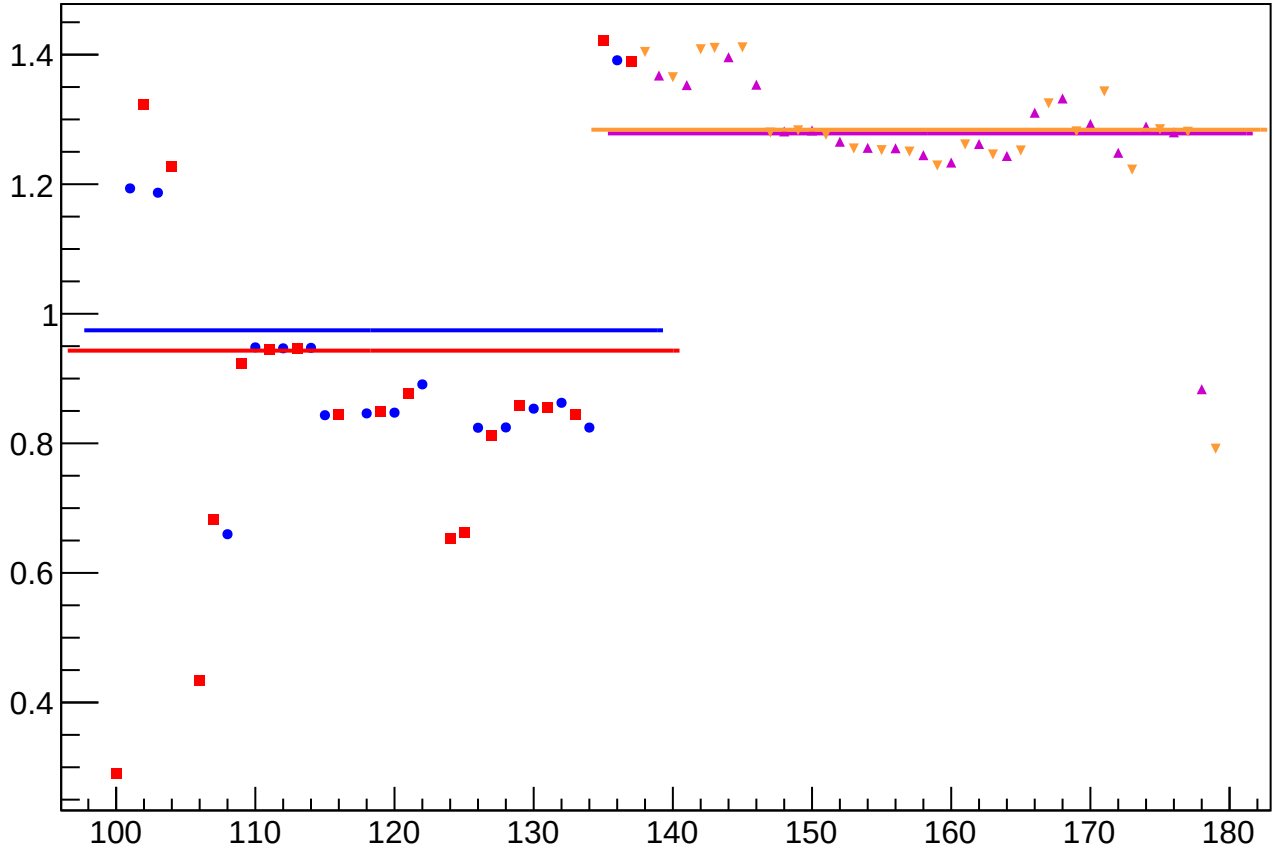
Left In: 0.013+/-0.000 χ^2/NDF:2739942.8/19

+ sign 0.014+/-0.000 χ^2/NDF: 8613699.4/37

All: 0.013+/-0.000 χ^2/NDF: 17636274.0/76

- sign 0.013+/-0.000 χ^2/NDF: 9021802.2/38

yield_bpm11X_mean vs Slug



Right In: 0.974+/-0.000 χ^2/NDF: 1458735246.5/15

Left Out: 1.284+/-0.000 χ^2/NDF:1022112933.7/21

Right Out: 0.943+/-0.000 χ^2/NDF: 1670579900.3/18

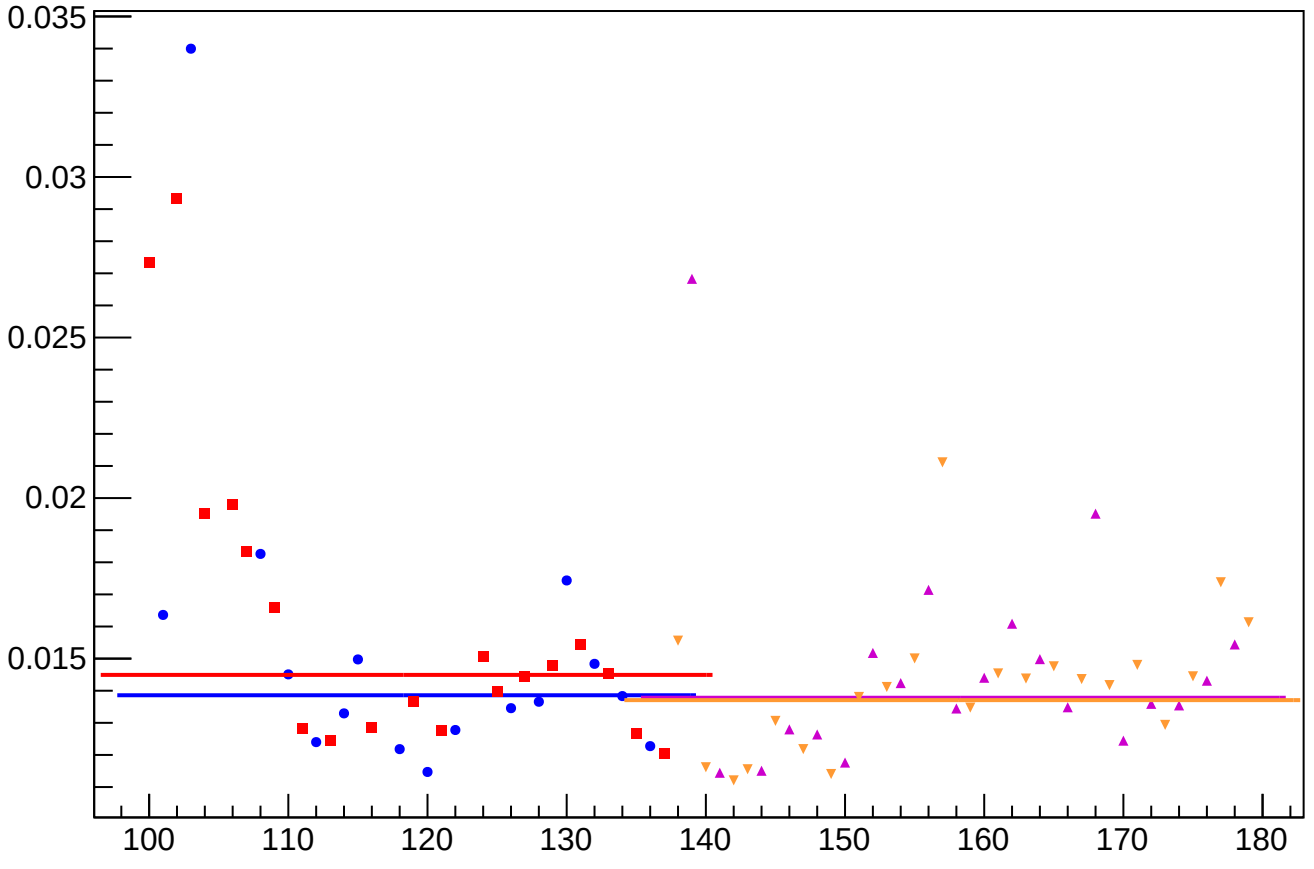
Left In: 1.278+/-0.000 χ^2/NDF:662794639.4/19

+ sign 1.196+/-0.000 χ^2/NDF: 4697458162.8/37

All: 1.189+/-0.000 χ^2/NDF: 9486760949.2/76

- sign 1.182+/-0.000 χ^2/NDF: 4779208348.8/38

yield_bpm11X_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 599979.5/15

Left Out: 0.014+/-0.000 χ^2/NDF:539908.9/21

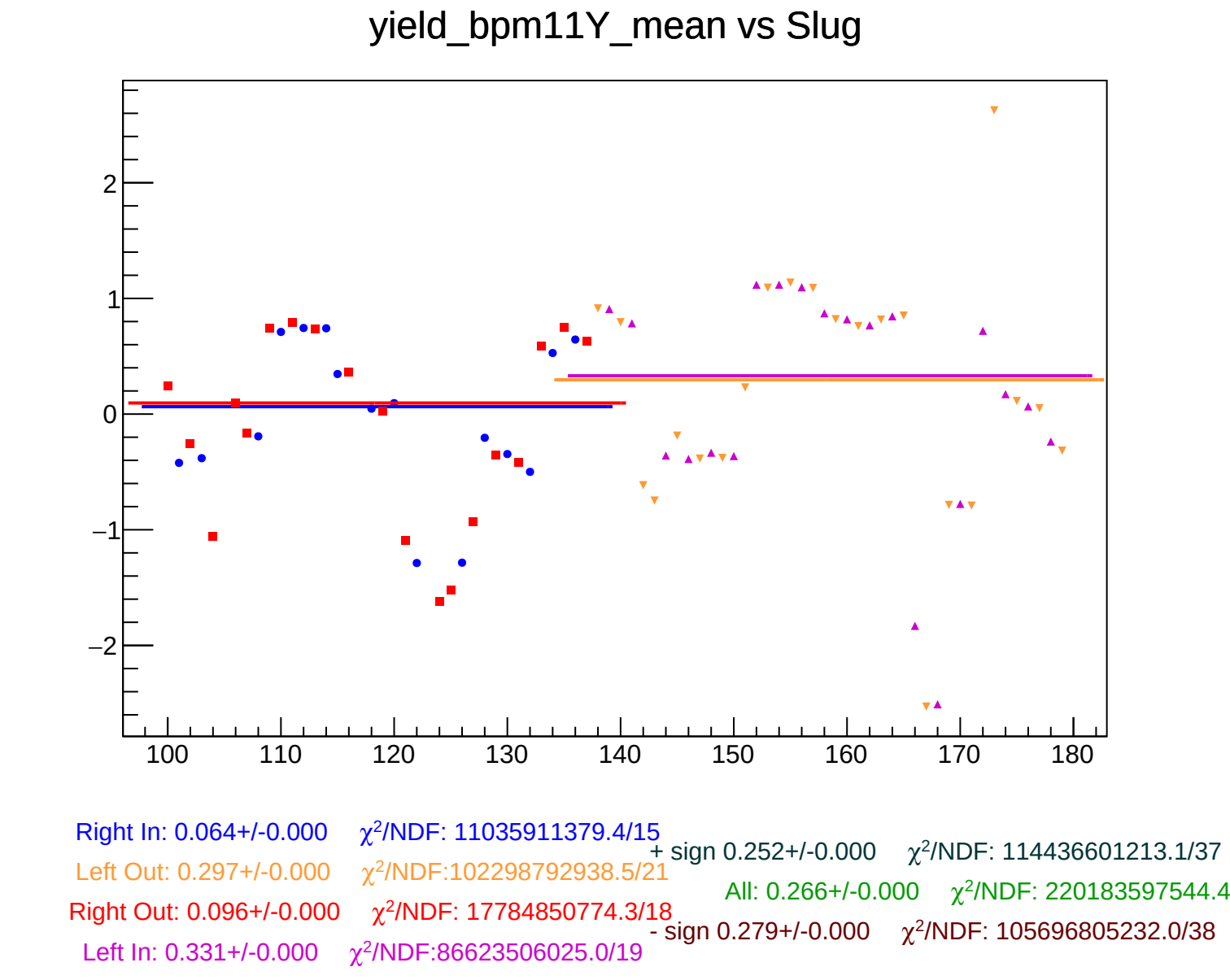
Right Out: 0.014+/-0.000 χ^2/NDF: 544337.7/18

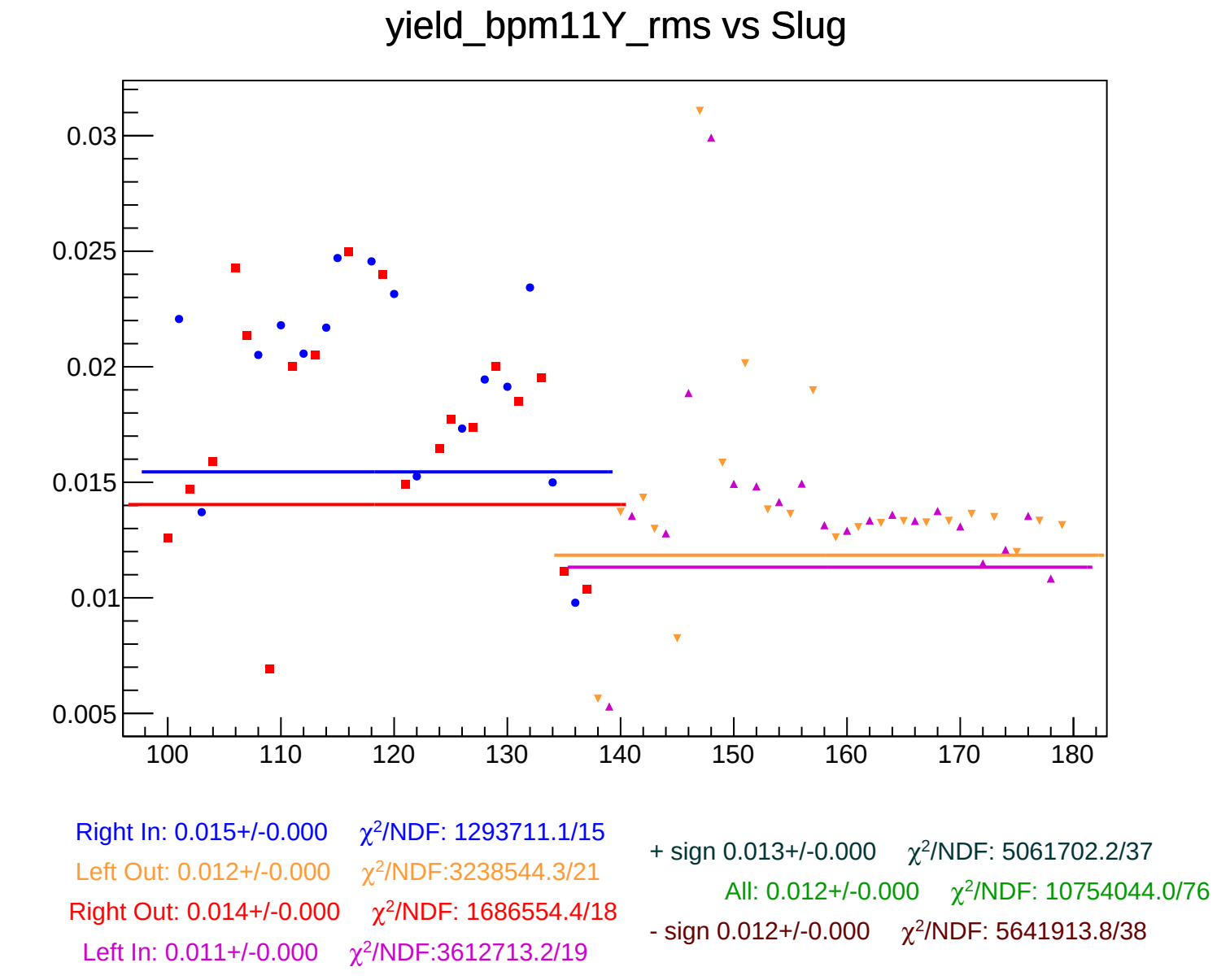
Left In: 0.014+/-0.000 χ^2/NDF:862336.0/19

+ sign 0.014+/-0.000 χ^2/NDF: 1140954.4/37

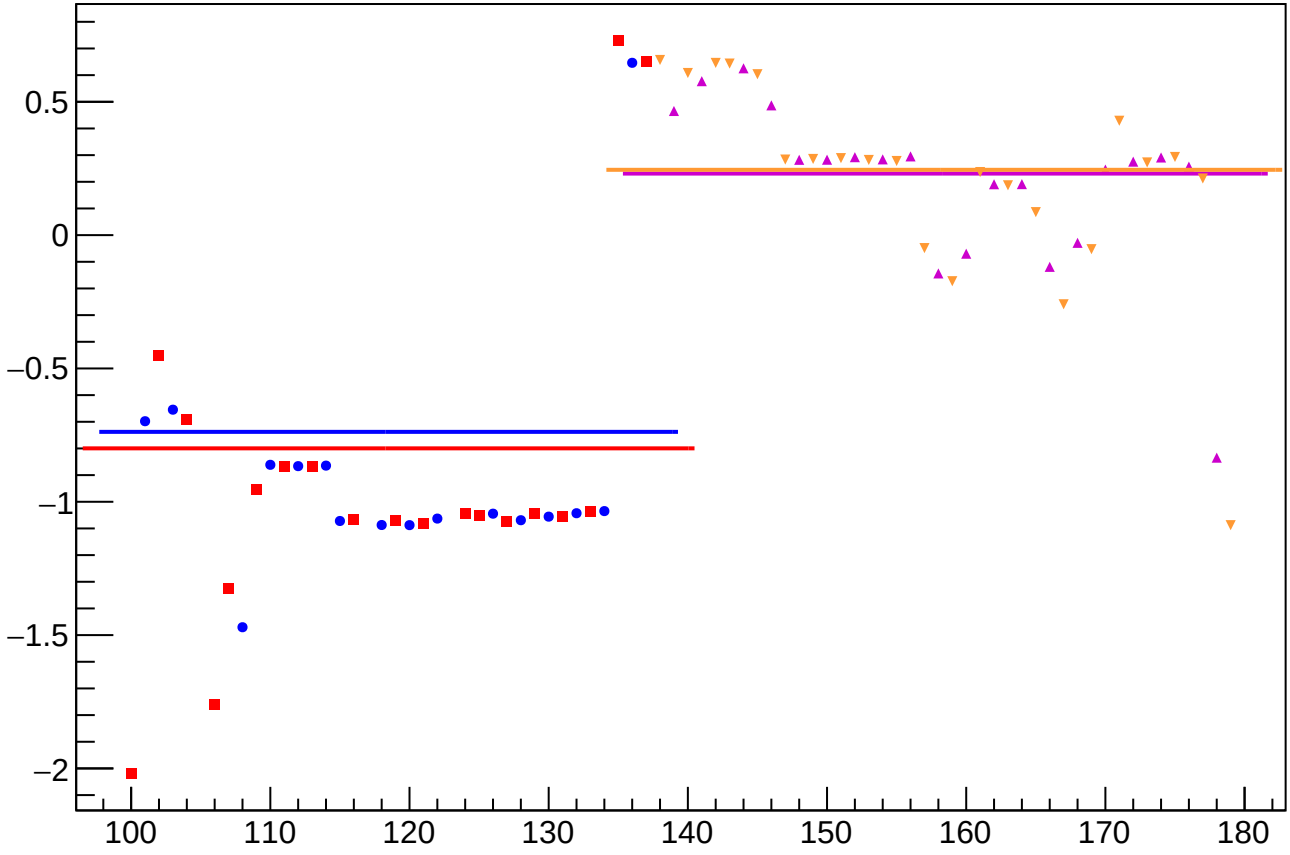
All: 0.014+/-0.000 χ^2/NDF: 2575729.4/76

- sign 0.014+/-0.000 χ^2/NDF: 1428713.1/38


yield_bpm11Y_mean vs Slug
2
1
0
−1
−2
100
110
120
130
140
150
160
170
180
Right In: 0.064+/-0.000 χ²/NDF: 11035911379.4/15
Left Out: 0.297+/-0.000 χ²/NDF:102298792938.5/21
Right Out: 0.096+/-0.000 χ²/NDF: 17784850774.3/18
Left In: 0.331+/-0.000 χ²/NDF:86623506025.0/19
+ sign 0.252+/-0.000 χ²/NDF: 114436601213.1/37
All: 0.266+/-0.000 χ²/NDF: 220183597544.4
- sign 0.279+/-0.000 χ²/NDF: 105696805232.0/38


yield_bpm11Y_rms vs Slug
0.03
0.025
0.02
0.015
0.01
0.005
100
110
120
130
140
150
160
170
180
Right In: 0.015+/-0.000 χ²/NDF: 1293711.1/15
Left Out: 0.012+/-0.000 χ²/NDF:3238544.3/21
Right Out: 0.014+/-0.000 χ²/NDF: 1686554.4/18
Left In: 0.011+/-0.000 χ²/NDF:3612713.2/19
+ sign 0.013+/-0.000 χ²/NDF: 5061702.2/37
All: 0.012+/-0.000 χ²/NDF: 10754044.0/76
- sign 0.012+/-0.000 χ²/NDF: 5641913.8/38

yield_bpm12X_mean vs Slug



Right In: -0.738+/-0.000 χ^2/NDF: 2072845802.4/15

Left Out: 0.245+/-0.000 χ^2/NDF:1541123715.5/21

Right Out: -0.800+/-0.000 χ^2/NDF: 1883862445.0/18

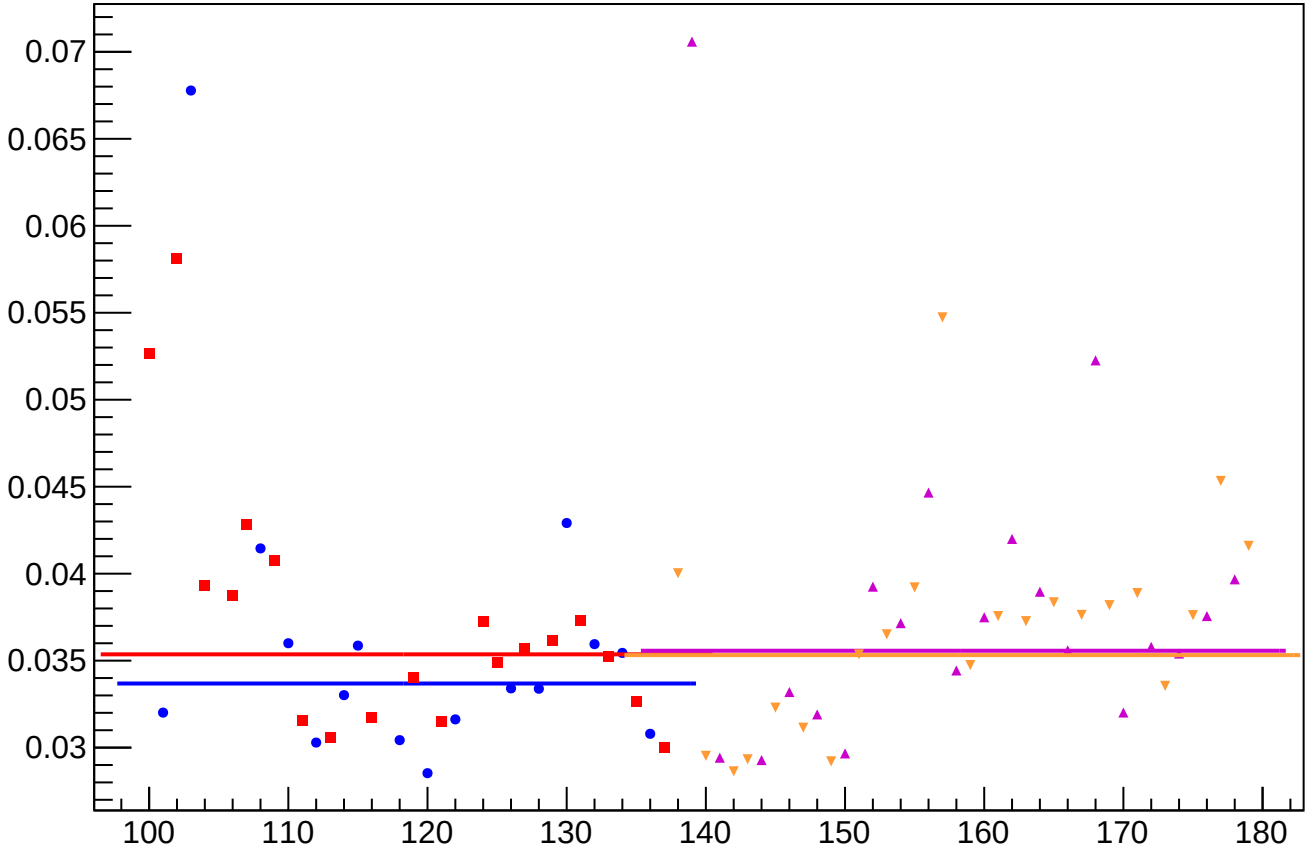
Left In: 0.231+/-0.000 χ^2/NDF:1049282119.8/19

+ sign -0.065+/-0.000 χ^2/NDF: 7288742048.7/37

All: -0.079+/-0.000 χ^2/NDF: 13991670943.2/

- sign -0.094+/-0.000 χ^2/NDF: 6695779810.8/38

yield_bpm12X_rms vs Slug



Right In: 0.034+/-0.000 χ^2/NDF: 420227.2/15

Left Out: 0.035+/-0.000 χ^2/NDF:603177.6/21

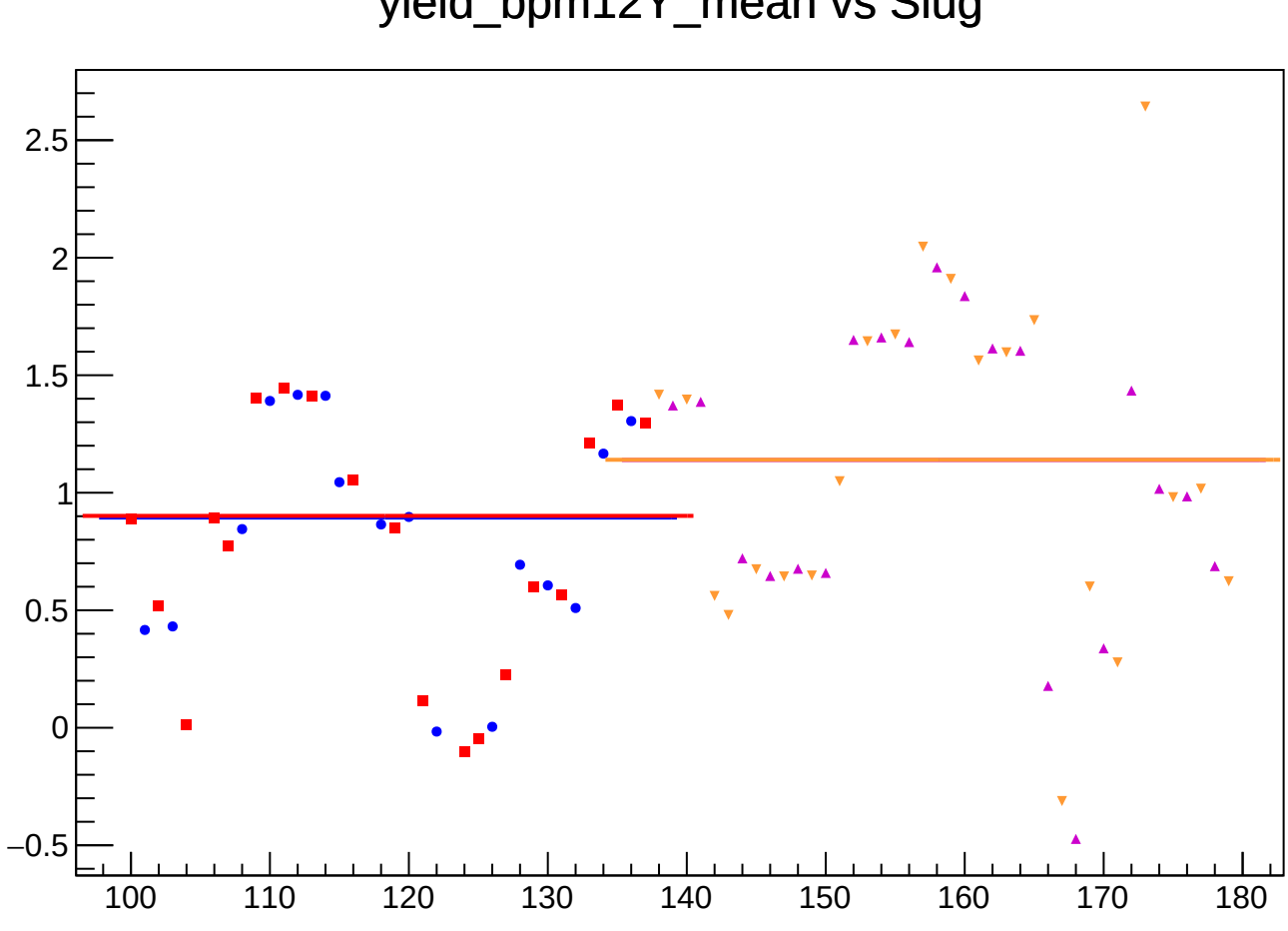
Right Out: 0.035+/-0.000 χ^2/NDF: 296353.9/18

Left In: 0.036+/-0.000 χ^2/NDF:949743.6/19

+ sign 0.035+/-0.000 χ^2/NDF: 1043685.0/37

All: 0.035+/-0.000 χ^2/NDF: 2298425.5/76

- sign 0.036+/-0.000 χ^2/NDF: 1246399.8/38



Right In: 0.894+/-0.000 χ^2/NDF: 12749707787.6/15

Left Out: 1.140+/-0.000 χ^2/NDF:88913212991.9/21

Right Out: 0.902+/-0.000 χ^2/NDF: 17893051843.7/18

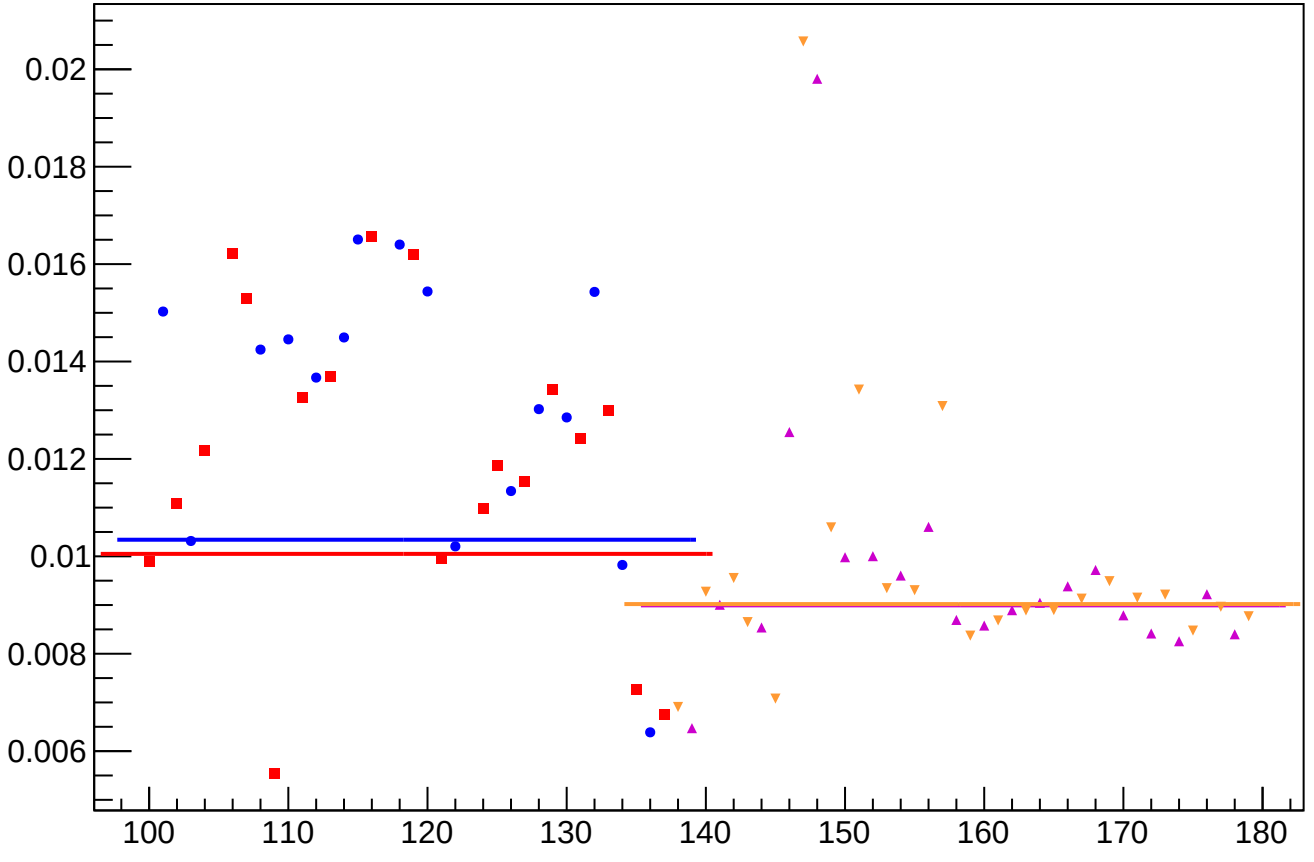
Left In: 1.139+/-0.000 χ^2/NDF:68563501970.8/19

+ sign 1.086+/-0.000 χ^2/NDF: 104298182539.7/37

All: 1.084+/-0.000 χ^2/NDF: 193329846312.1

- sign 1.081+/-0.000 χ^2/NDF: 89027987363.9/38

yield_bpm12Y_rms vs Slug



Right In: 0.010+/-0.000 χ^2/NDF: 1350446.6/15

Left Out: 0.009+/-0.000 χ^2/NDF:1136987.7/21

Right Out: 0.010+/-0.000 χ^2/NDF: 1336866.7/18

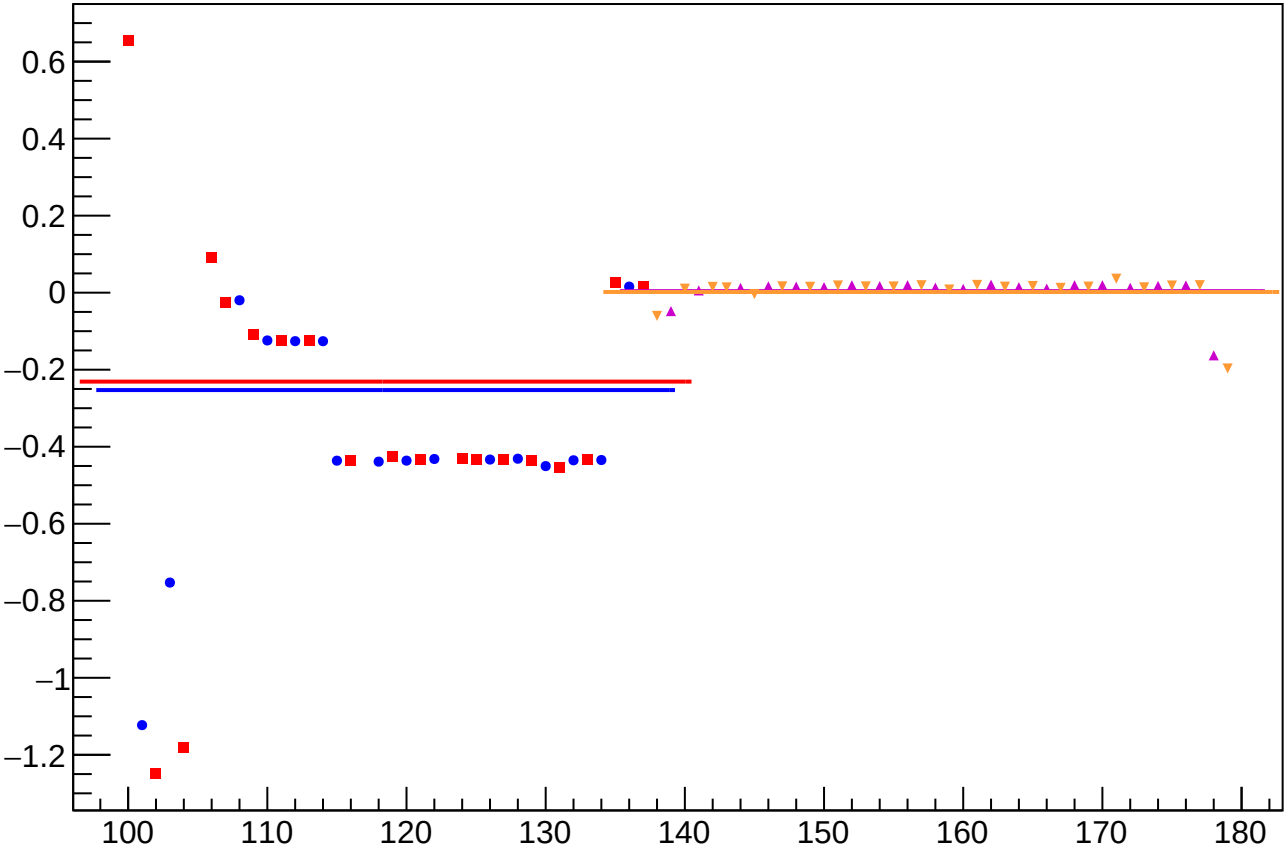
Left In: 0.009+/-0.000 χ^2/NDF:960498.5/19

+ sign 0.009+/-0.000 χ^2/NDF: 2639607.0/37

All: 0.009+/-0.000 χ^2/NDF: 5039475.7/76

- sign 0.009+/-0.000 χ^2/NDF: 2399072.3/38

yield_bpm16X_mean vs Slug



Right In: -0.253+/-0.000 χ^2/NDF: 2025242410.1/15

Left Out: 0.002+/-0.000 χ^2/NDF:399443185.9/21

Right Out: -0.231+/-0.000 χ^2/NDF: 1808702536.0/18

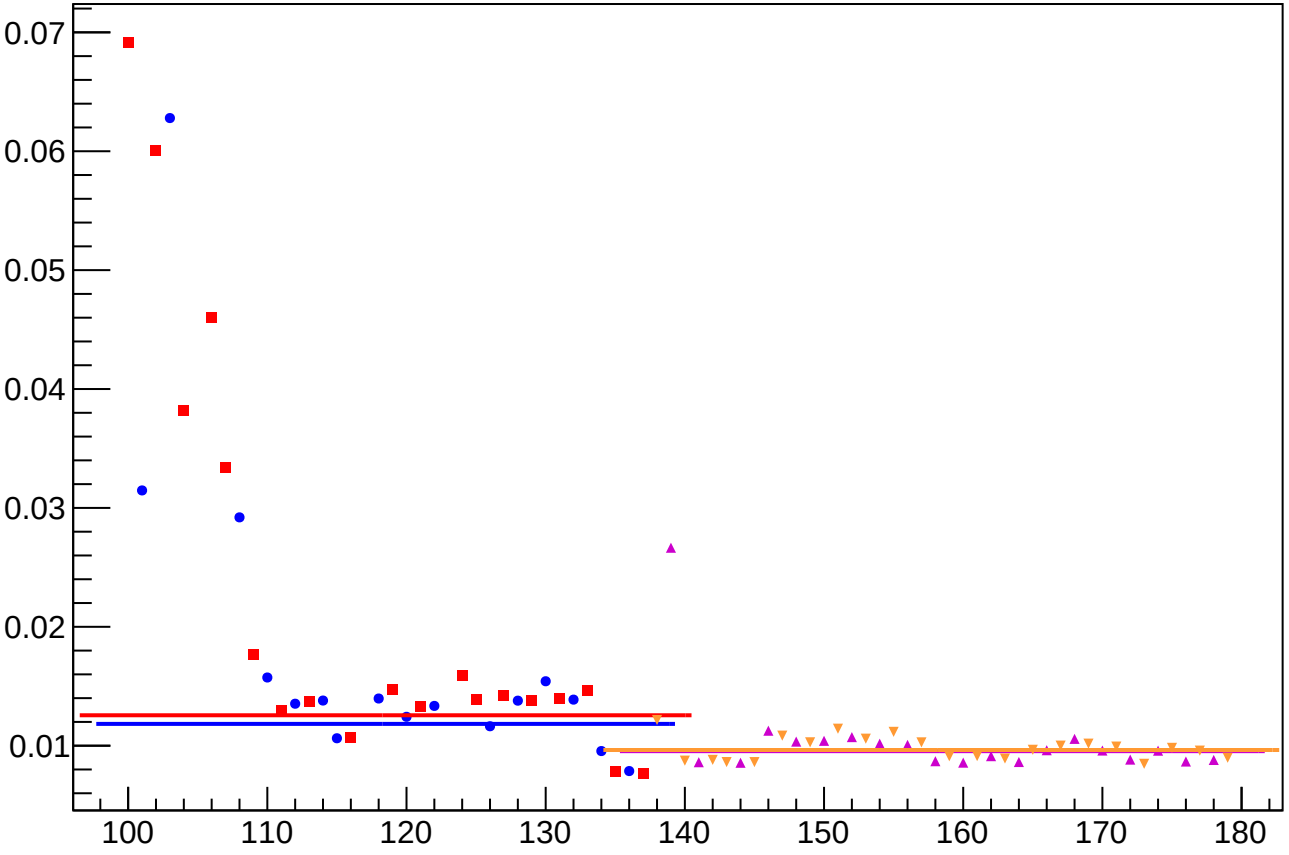
Left In: 0.004+/-0.000 χ^2/NDF:269604998.6/19

+ sign -0.045+/-0.000 χ^2/NDF: 4307225394.8/37

All: -0.041+/-0.000 χ^2/NDF: 7834541466.6/7

- sign -0.037+/-0.000 χ^2/NDF: 3522133463.2/38

yield_bpm16X_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 1942550.6/15

Left Out: 0.010+/-0.000 χ^2/NDF:262328.6/21

Right Out: 0.013+/-0.000 χ^2/NDF: 2217419.3/18

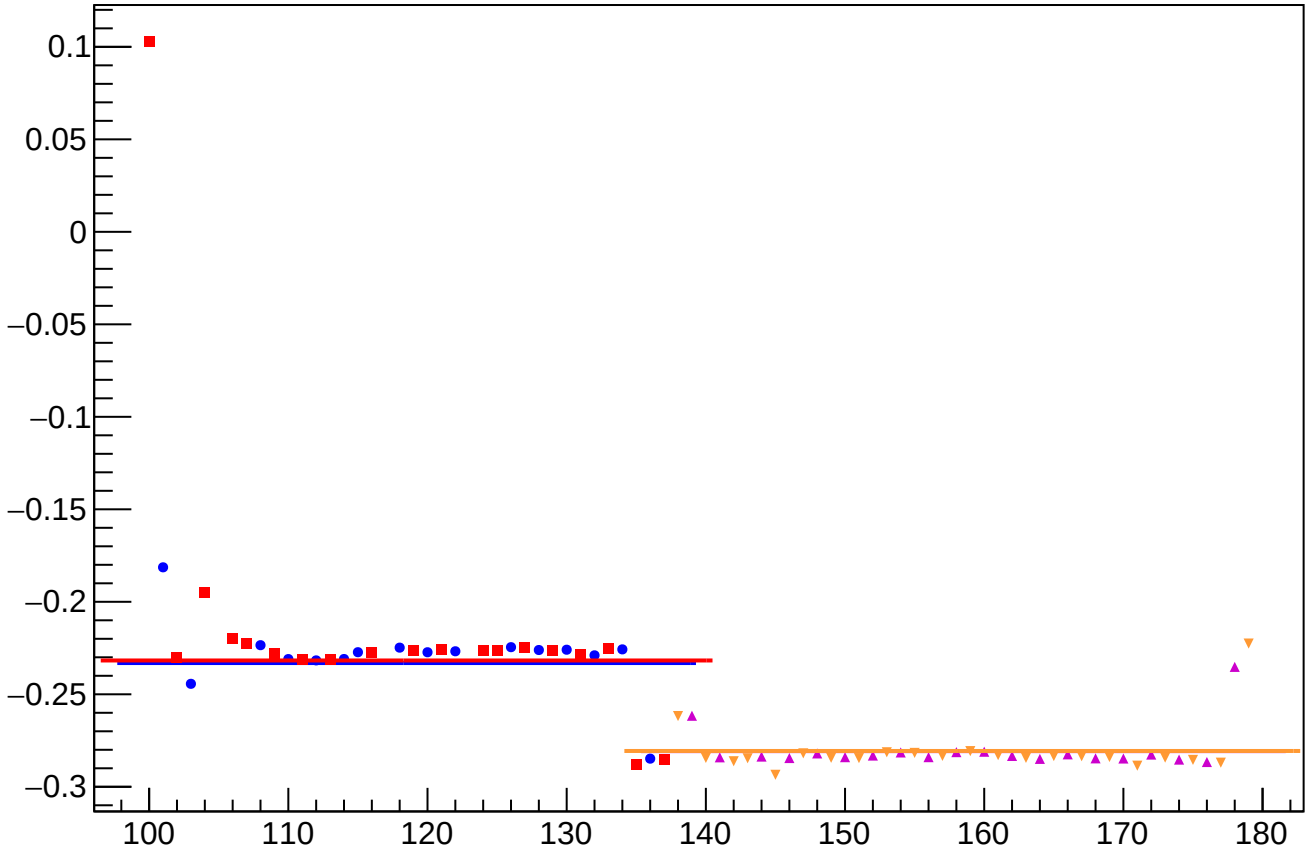
Left In: 0.010+/-0.000 χ^2/NDF:892152.2/19

+ sign 0.010+/-0.000 χ^2/NDF: 2484720.7/37

All: 0.010+/-0.000 χ^2/NDF: 6071256.1/76

- sign 0.010+/-0.000 χ^2/NDF: 3586335.9/38

yield_bpm16Y_mean vs Slug



Right In: -0.233+/-0.000 χ^2/NDF: 199059878.3/15

Left Out: -0.281+/-0.000 χ^2/NDF:137446645.7/21

Right Out: -0.232+/-0.000 χ^2/NDF: 287244778.7/18

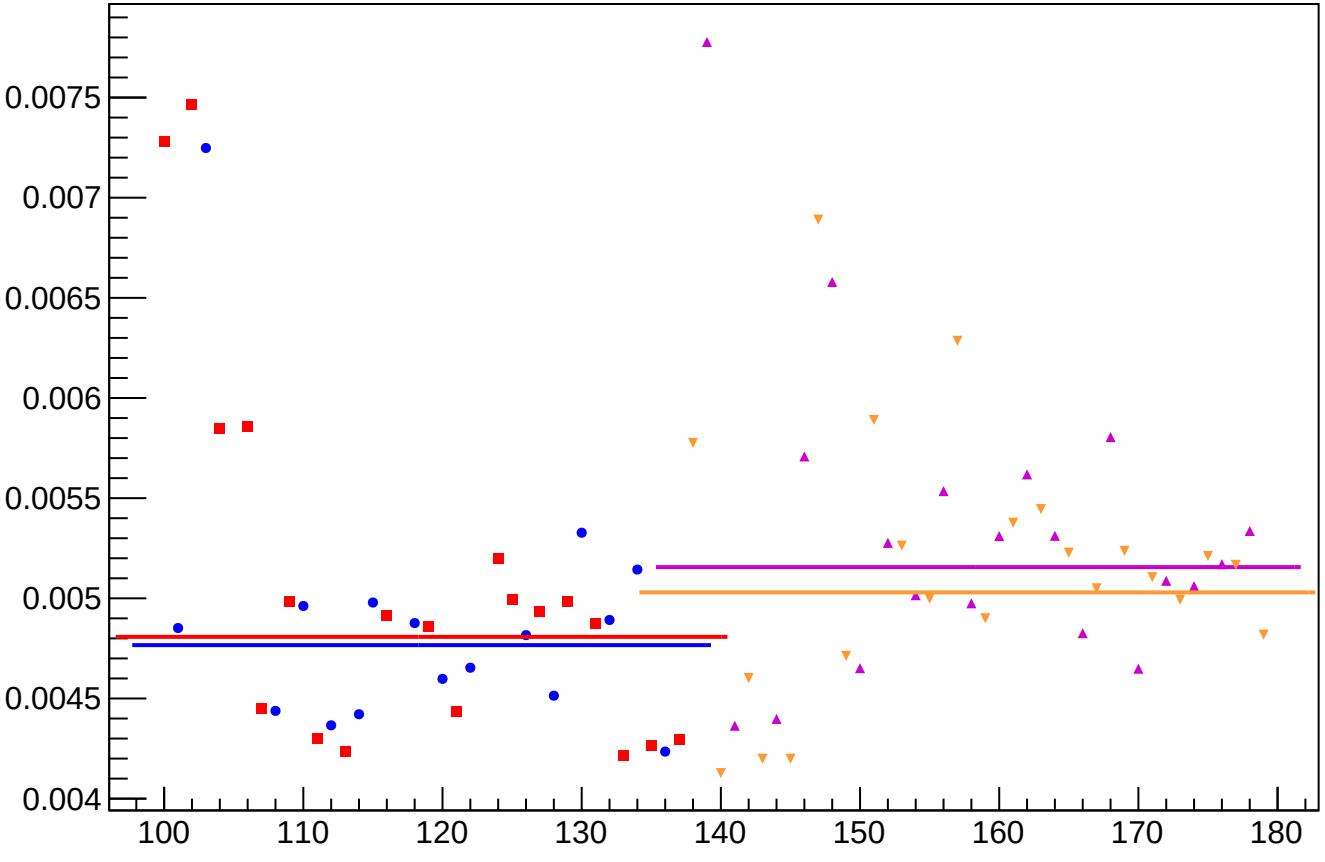
Left In: -0.281+/-0.000 χ^2/NDF:66392150.7/19

+ sign -0.266+/-0.000 χ^2/NDF: 781252166.5/37

All: -0.265+/-0.000 χ^2/NDF: 1599256311.9/7

- sign -0.264+/-0.000 χ^2/NDF: 816484793.9/38

yield_bpm16Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 191759.7/15

Left Out: 0.005+/-0.000 χ^2/NDF:462621.9/21

Right Out: 0.005+/-0.000 χ^2/NDF: 293738.0/18

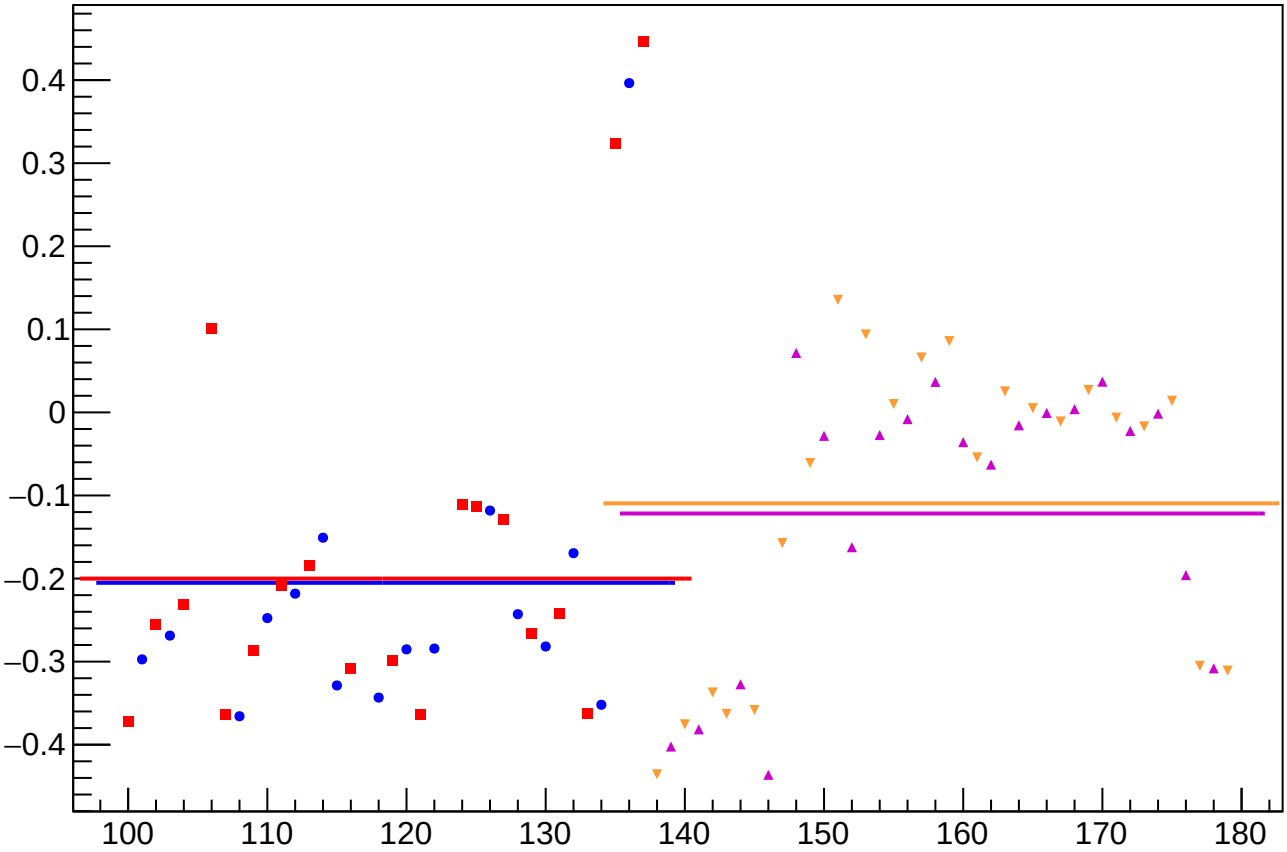
Left In: 0.005+/-0.000 χ^2/NDF:465725.8/19

+ sign 0.005+/-0.000 χ^2/NDF: 681664.4/37

All: 0.005+/-0.000 χ^2/NDF: 1495101.3/76

- sign 0.005+/-0.000 χ^2/NDF: 806216.1/38

yield_bpm0i02X_mean vs Slug



Right In: -0.205+/-0.000 χ^2/NDF: 6189271855.3/15

Left Out: -0.109+/-0.000 χ^2/NDF:18601301810.5/21

Right Out: -0.200+/-0.000 χ^2/NDF: 5249978819.5/18

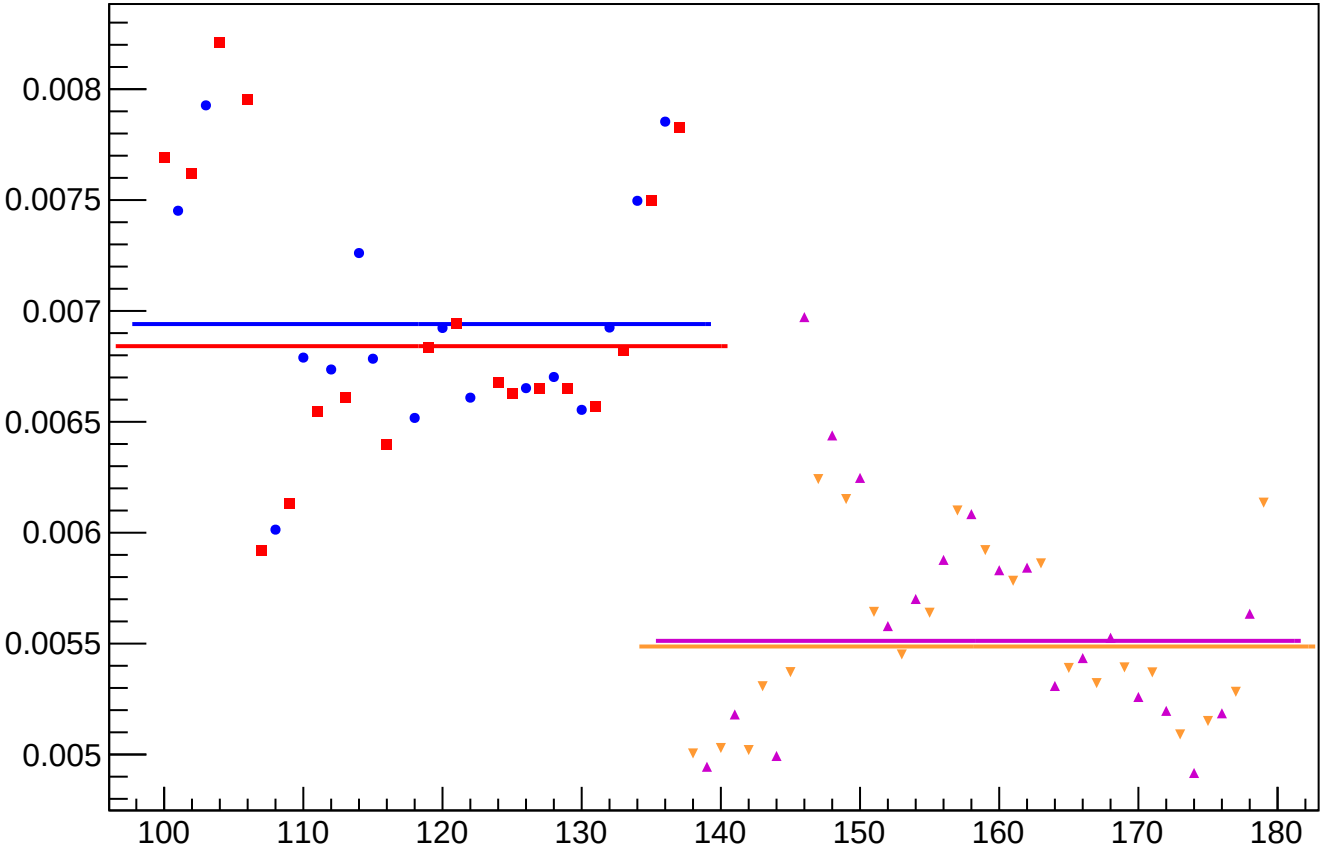
Left In: -0.122+/-0.000 χ^2/NDF:13371101251.4/19

+ sign -0.130+/-0.000 χ^2/NDF: 25845791999.7/37

All: -0.135+/-0.000 χ^2/NDF: 45228824661.7/

- sign -0.140+/-0.000 χ^2/NDF: 19345999570.9/38

yield_bpm0i02X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 85159.0/15

Left Out: 0.005+/-0.000 χ^2/NDF:152321.5/21

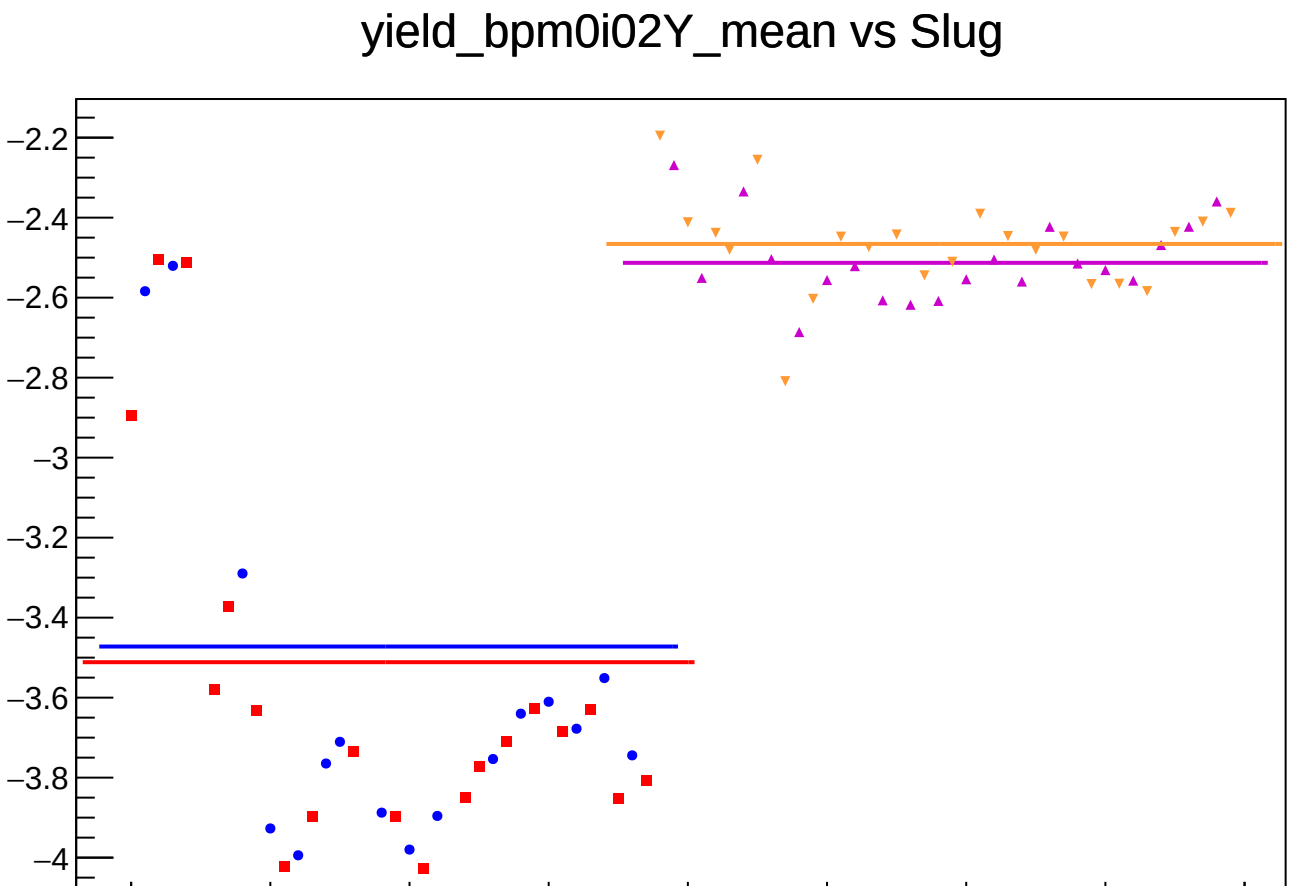
Right Out: 0.007+/-0.000 χ^2/NDF: 99819.4/18

Left In: 0.006+/-0.000 χ^2/NDF:235991.1/19

+ sign 0.006+/-0.000 χ^2/NDF: 725127.3/37

All: 0.006+/-0.000 χ^2/NDF: 1478550.3/76

- sign 0.006+/-0.000 χ^2/NDF: 752774.6/38



Right In: -3.472+/-0.000 χ^2/NDF: 29592353445.4/15

Left Out: -2.466+/-0.000 χ^2/NDF:2158516397.6/21

Right Out: -3.511+/-0.000 χ^2/NDF: 29716501733.6/18

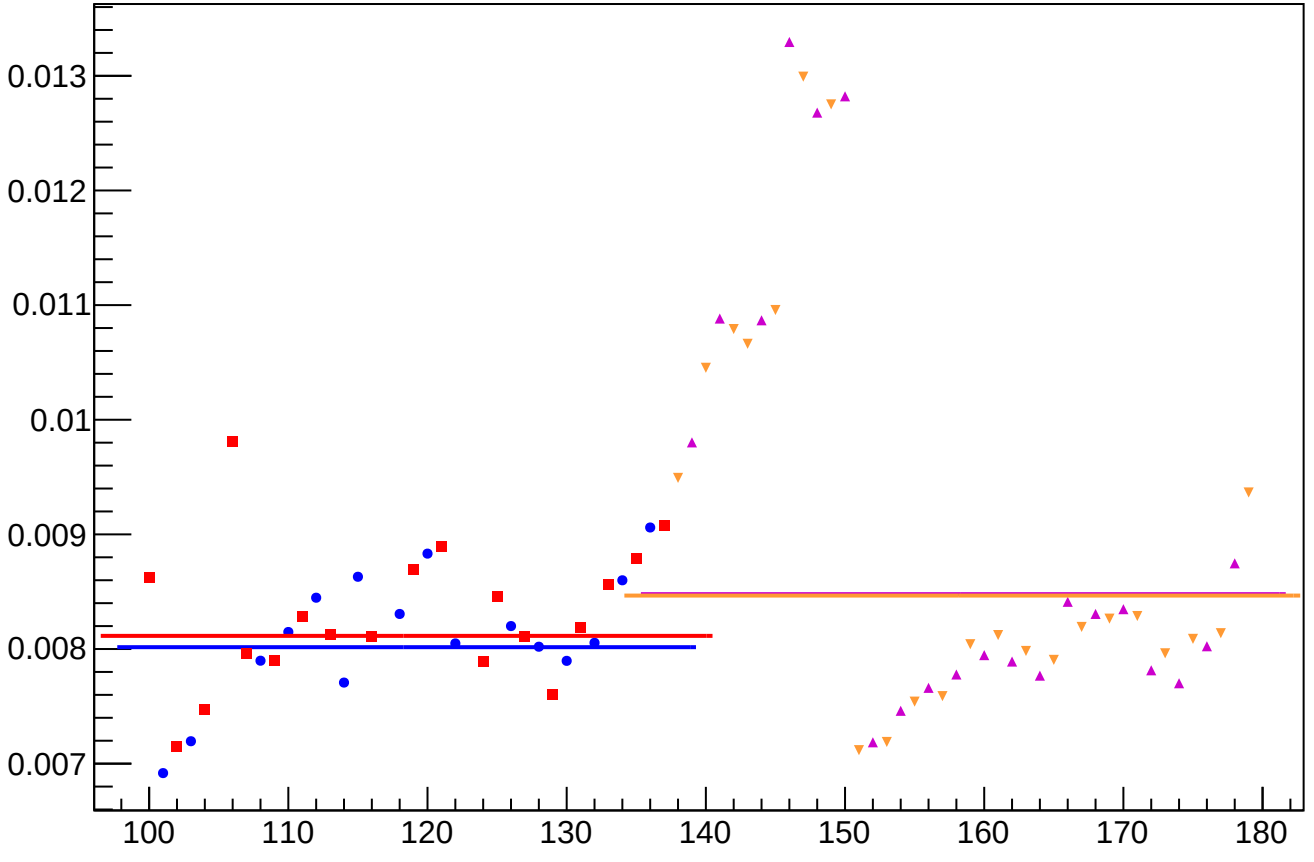
Left In: -2.513+/-0.000 χ^2/NDF:1811486815.6/19

+ sign -2.792+/-0.000 χ^2/NDF: 106186983490.7/37

All: -2.821+/-0.000 χ^2/NDF: 209467689421.1

- sign -2.852+/-0.000 χ^2/NDF: 102701344496.5/38

yield_bpm0i02Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 86232.2/15

Left Out: 0.008+/-0.000 χ^2/NDF:776481.6/21

Right Out: 0.008+/-0.000 χ^2/NDF: 71067.5/18

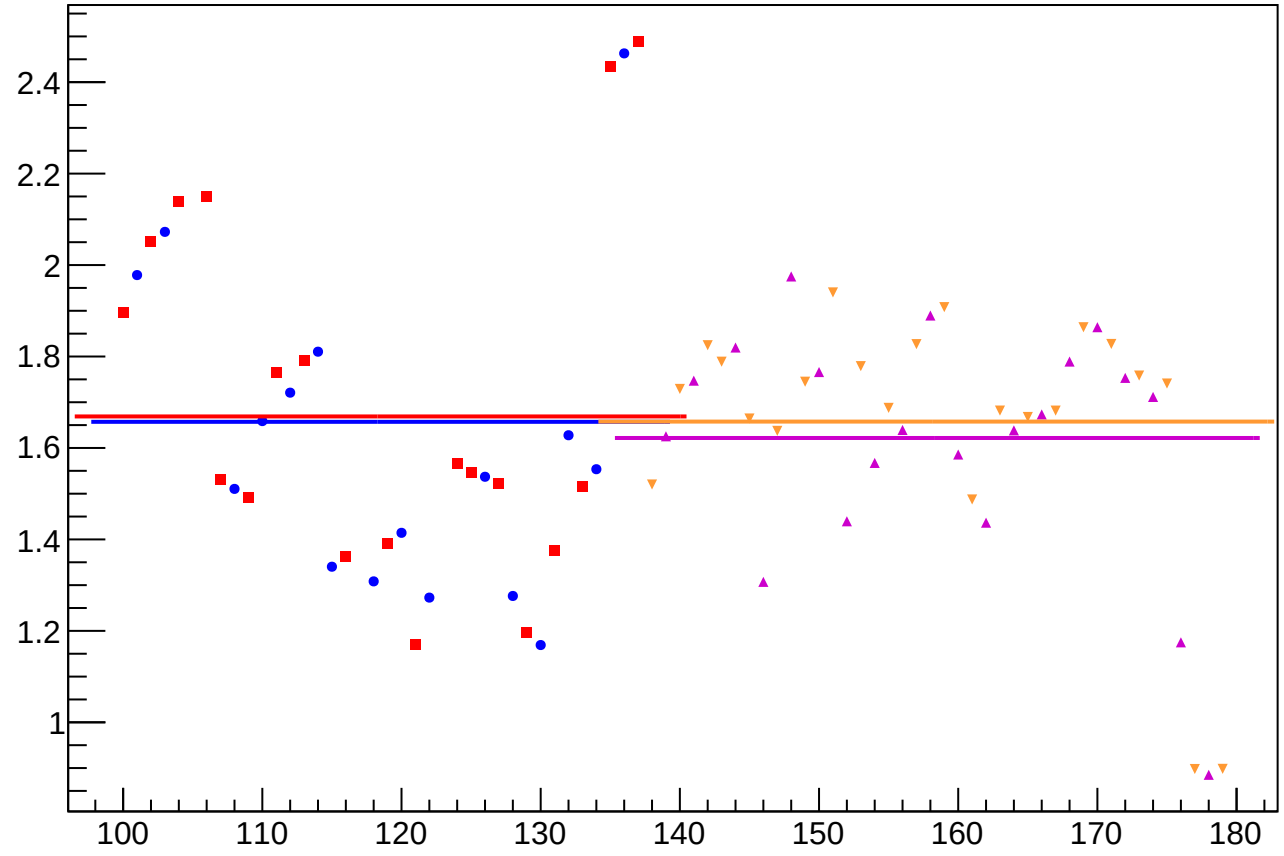
Left In: 0.008+/-0.000 χ^2/NDF:890162.0/19

+ sign 0.008+/-0.000 χ^2/NDF: 892494.0/37

All: 0.008+/-0.000 χ^2/NDF: 1873052.0/76

- sign 0.008+/-0.000 χ^2/NDF: 980158.4/38

yield_bpm0i02aX_mean vs Slug



Right In: 1.657+/-0.000 χ^2/NDF: 6666154117.3/15

Left Out: 1.658+/-0.000 χ^2/NDF:9982784234.9/21

Right Out: 1.669+/-0.000 χ^2/NDF: 6357589265.5/18

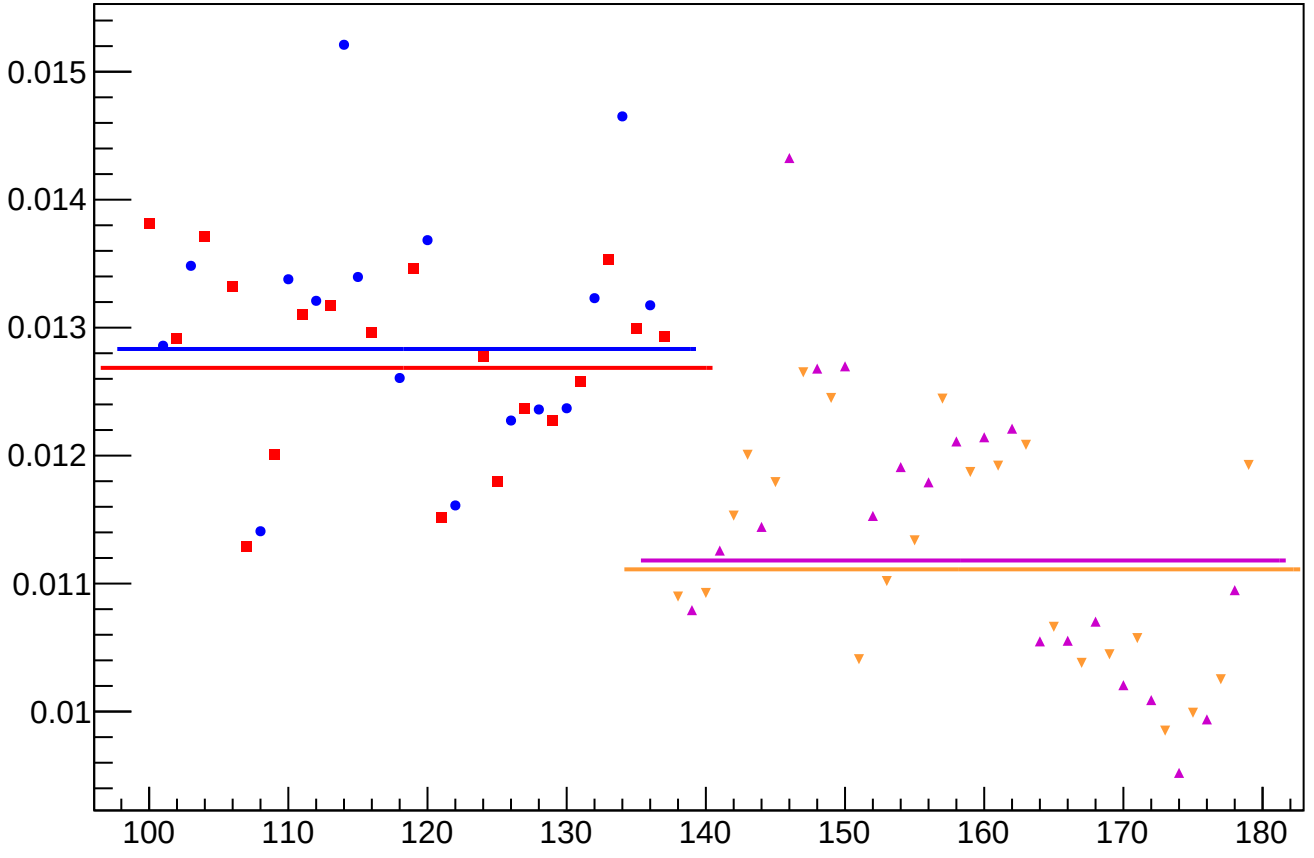
Left In: 1.622+/-0.000 χ^2/NDF:8004624900.0/19

+ sign 1.658+/-0.000 χ^2/NDF: 16648946816.6/37

All: 1.646+/-0.000 χ^2/NDF: 31130449378.8/7

- sign 1.634+/-0.000 χ^2/NDF: 14435169448.2/38

yield_bpm0i02aX_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF: 52516.5/15

Left Out: 0.011+/-0.000 χ^2/NDF:191244.5/21

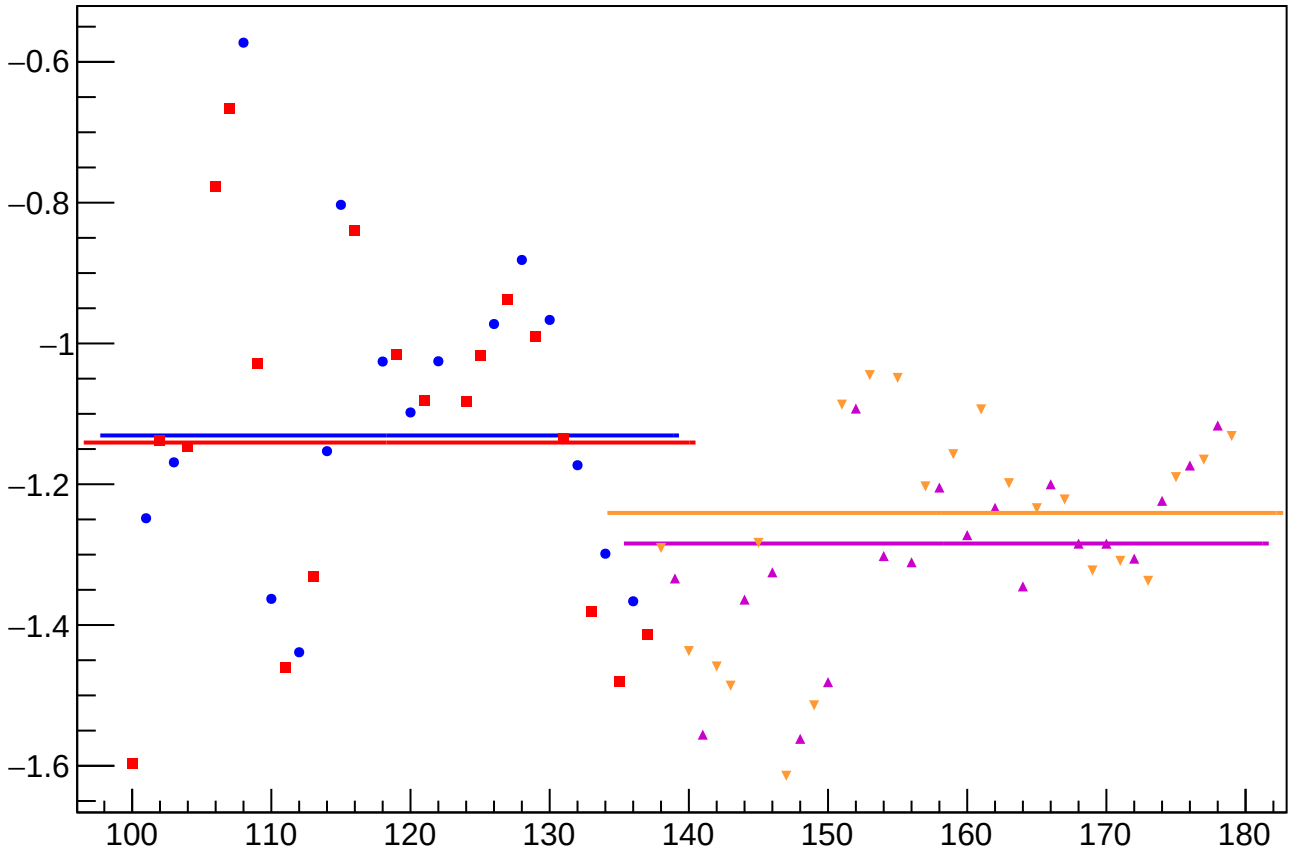
Right Out: 0.013+/-0.000 χ^2/NDF: 43279.9/18

Left In: 0.011+/-0.000 χ^2/NDF:283109.5/19

+ sign 0.012+/-0.000 χ^2/NDF: 435797.0/37

All: 0.012+/-0.000 χ^2/NDF: 911679.8/76

- sign 0.012+/-0.000 χ^2/NDF: 475314.1/38



Right In: -1.131+/-0.000 χ^2/NDF: 3790121991.7/15

Left Out: -1.241+/-0.000 χ^2/NDF:4915707257.1/21

Right Out: -1.141+/-0.000 χ^2/NDF: 3544012262.4/18

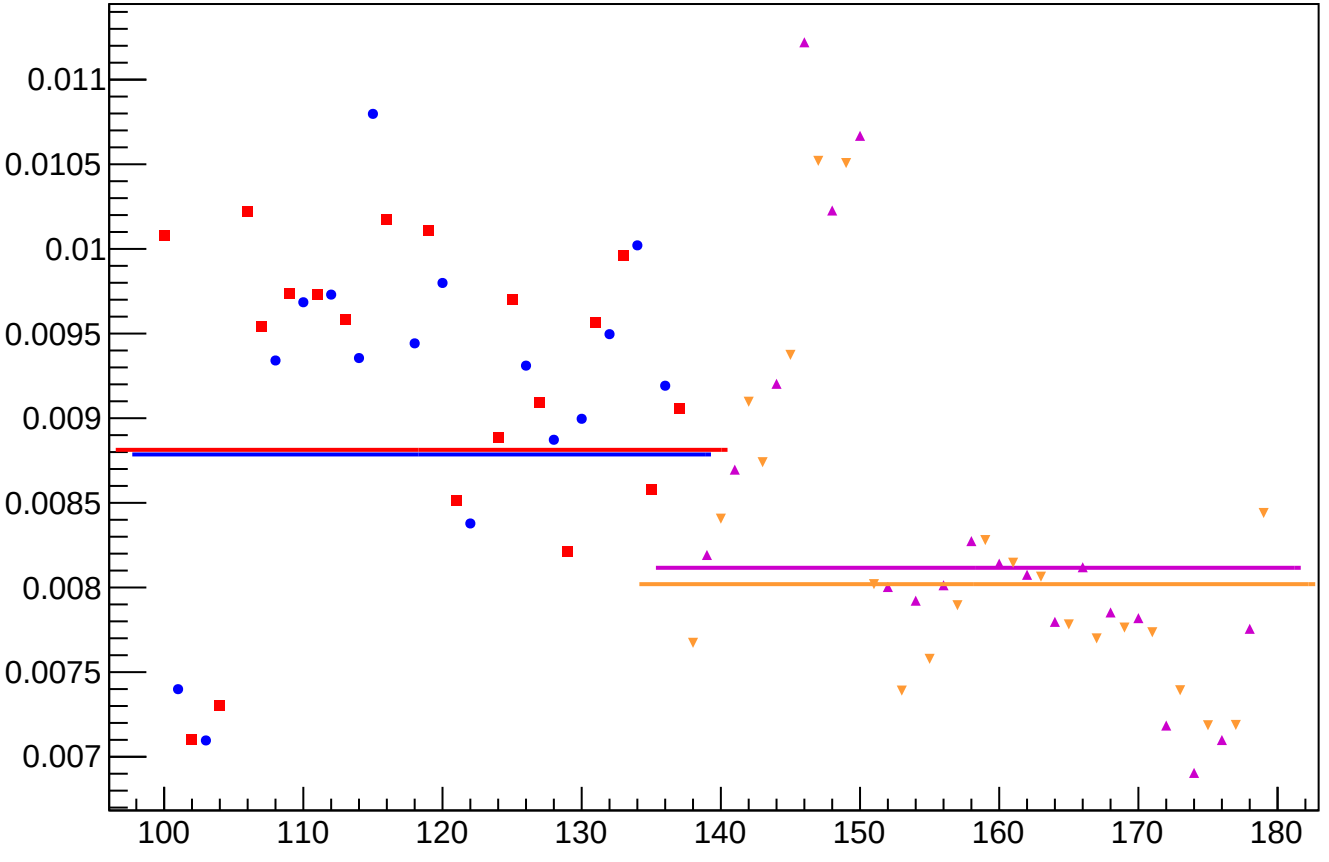
Left In: -1.284+/-0.000 χ^2/NDF:2982140503.4/19

+ sign -1.212+/-0.000 χ^2/NDF: 9500317148.4/37

All: -1.228+/-0.000 χ^2/NDF: 17520610659.9/

- sign -1.244+/-0.000 χ^2/NDF: 7851035607.4/38

yield_bpm0i02aY_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 173477.6/15

Left Out: 0.008+/-0.000 χ^2/NDF:298071.4/21

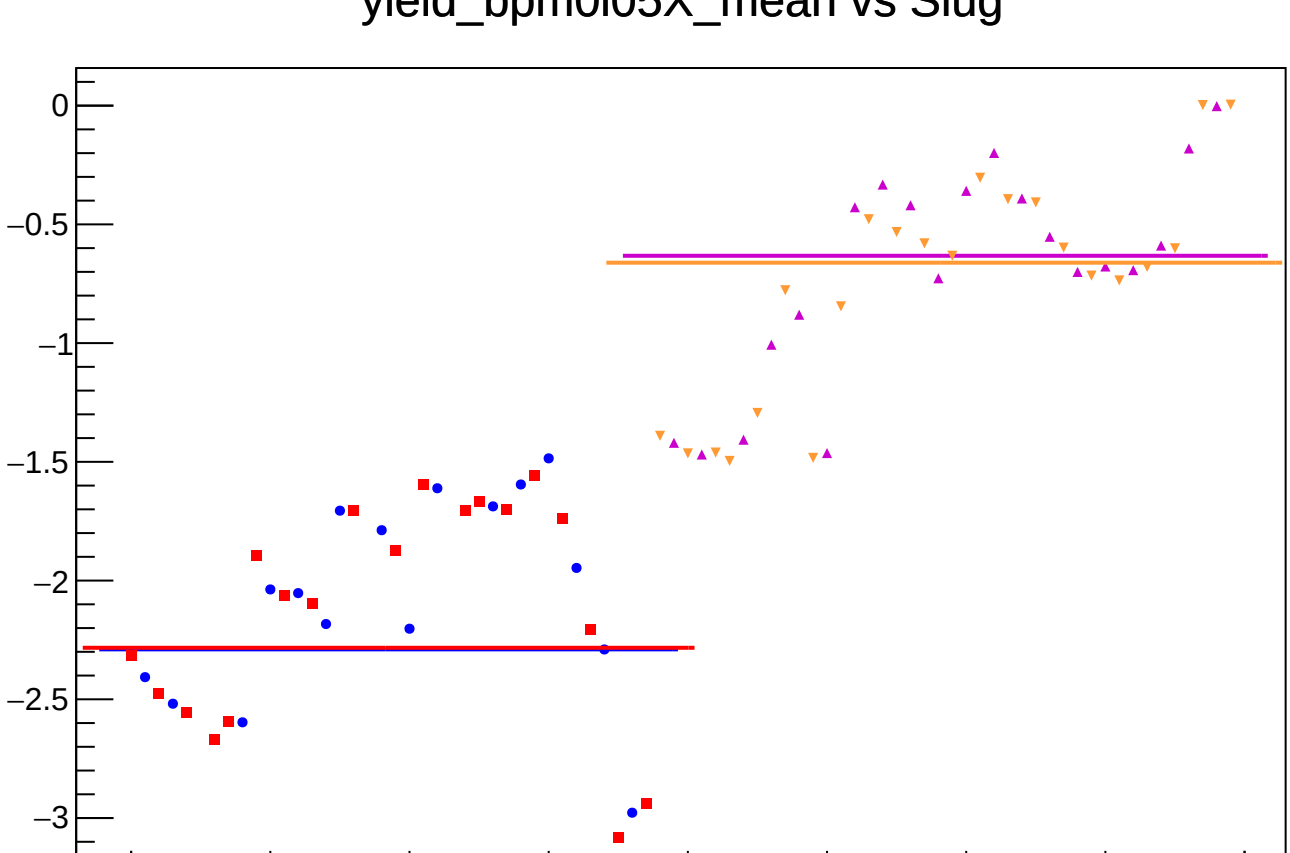
Right Out: 0.009+/-0.000 χ^2/NDF: 204443.3/18

Left In: 0.008+/-0.000 χ^2/NDF:402296.7/19

+ sign 0.008+/-0.000 χ^2/NDF: 548622.2/37

All: 0.008+/-0.000 χ^2/NDF: 1220675.1/76

- sign 0.008+/-0.000 χ^2/NDF: 669251.3/38



Right In: -2.290+/-0.000 χ^2/NDF: 15222817978.4/15

Left Out: -0.661+/-0.000 χ^2/NDF:57155135744.1/21

Right Out: -2.283+/-0.000 χ^2/NDF: 17032219519.1/18

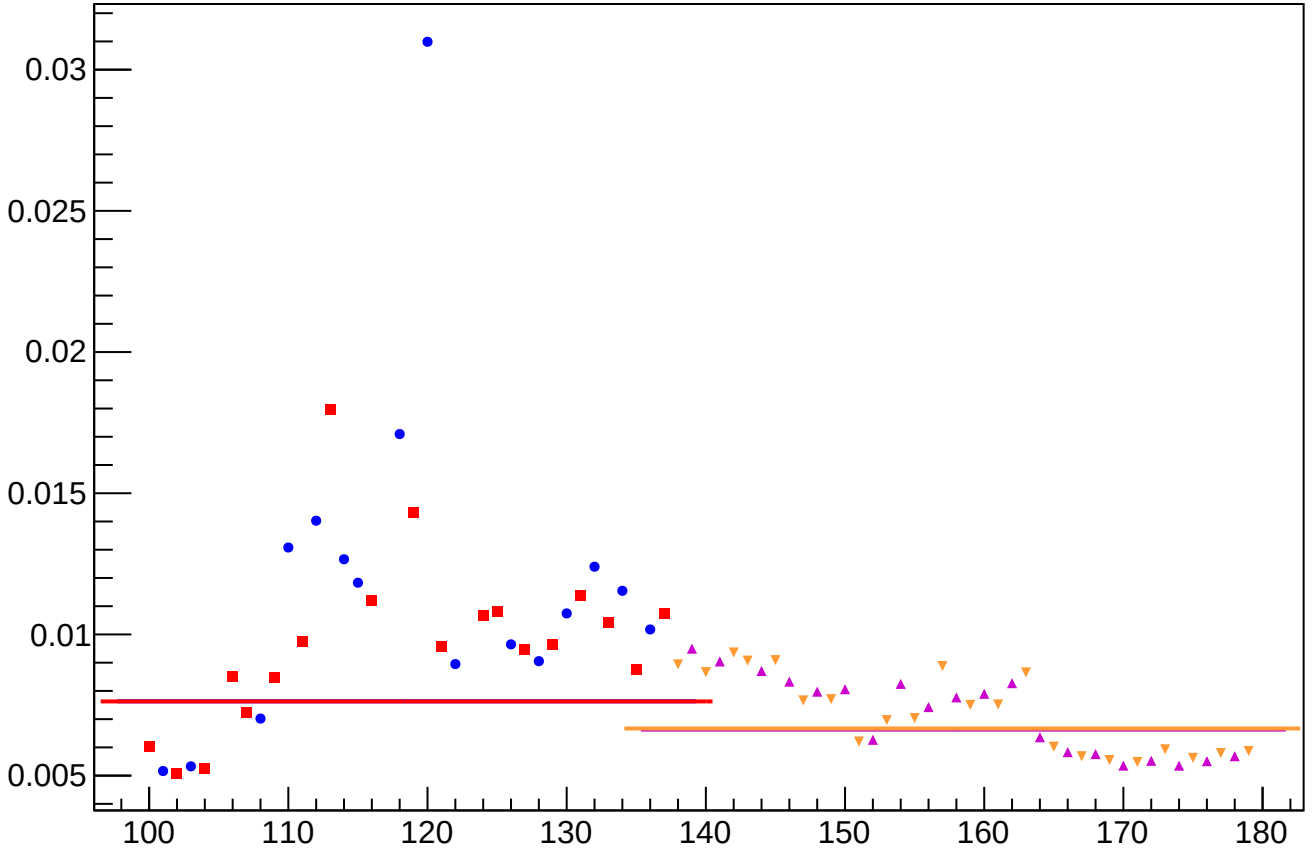
Left In: -0.632+/-0.000 χ^2/NDF:49380484262.1/19

+ sign -0.995+/-0.000 χ^2/NDF: 256290981039.9/37

All: -1.003+/-0.000 χ^2/NDF: 522675209009.3

- sign -1.012+/-0.000 χ^2/NDF: 266326560612.9/38

yield_bpm0i05X_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 1710797.2/15

Left Out: 0.007+/-0.000 χ^2/NDF:1019652.2/21

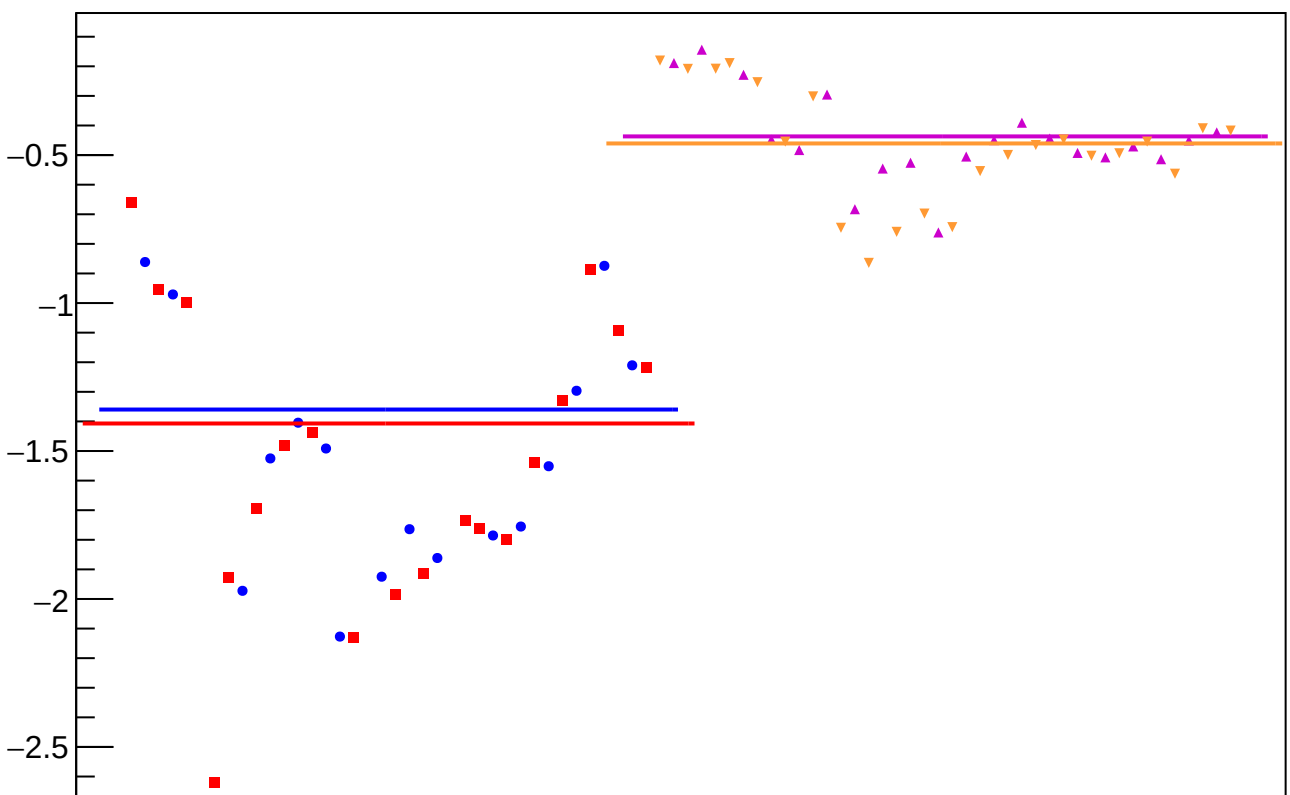
Right Out: 0.008+/-0.000 χ^2/NDF: 1317740.1/18

Left In: 0.007+/-0.000 χ^2/NDF:1094315.4/19

+ sign 0.007+/-0.000 χ^2/NDF: 2859342.8/37

All: 0.007+/-0.000 χ^2/NDF: 5417538.4/76

- sign 0.007+/-0.000 χ^2/NDF: 2558172.2/38



Right In: -1.360+/-0.000 χ^2/NDF: 21491965614.5/15

Left Out: -0.461+/-0.000 χ^2/NDF:28619472457.7/21

Right Out: -1.407+/-0.000 χ^2/NDF: 29835610413.0/18

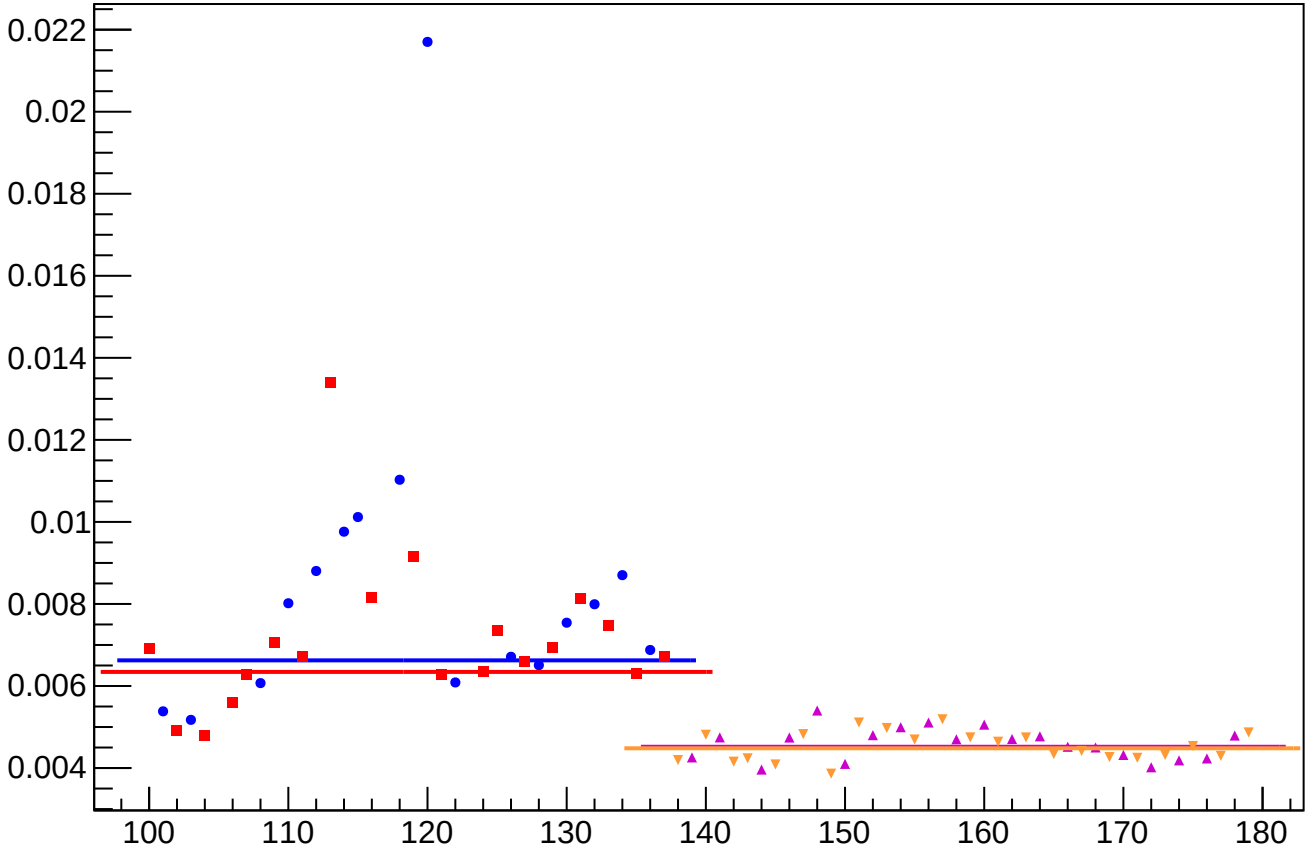
Left In: -0.437+/-0.000 χ^2/NDF:16433936746.2/19

+ sign -0.589+/-0.000 χ^2/NDF: 141501104476.7/37

All: -0.597+/-0.000 χ^2/NDF: 306181494491.0

- sign -0.605+/-0.000 χ^2/NDF: 164566771220.2/38

yield_bpm0i05Y_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 693783.1/15

Left Out: 0.004+/-0.000 χ^2/NDF:182534.8/21

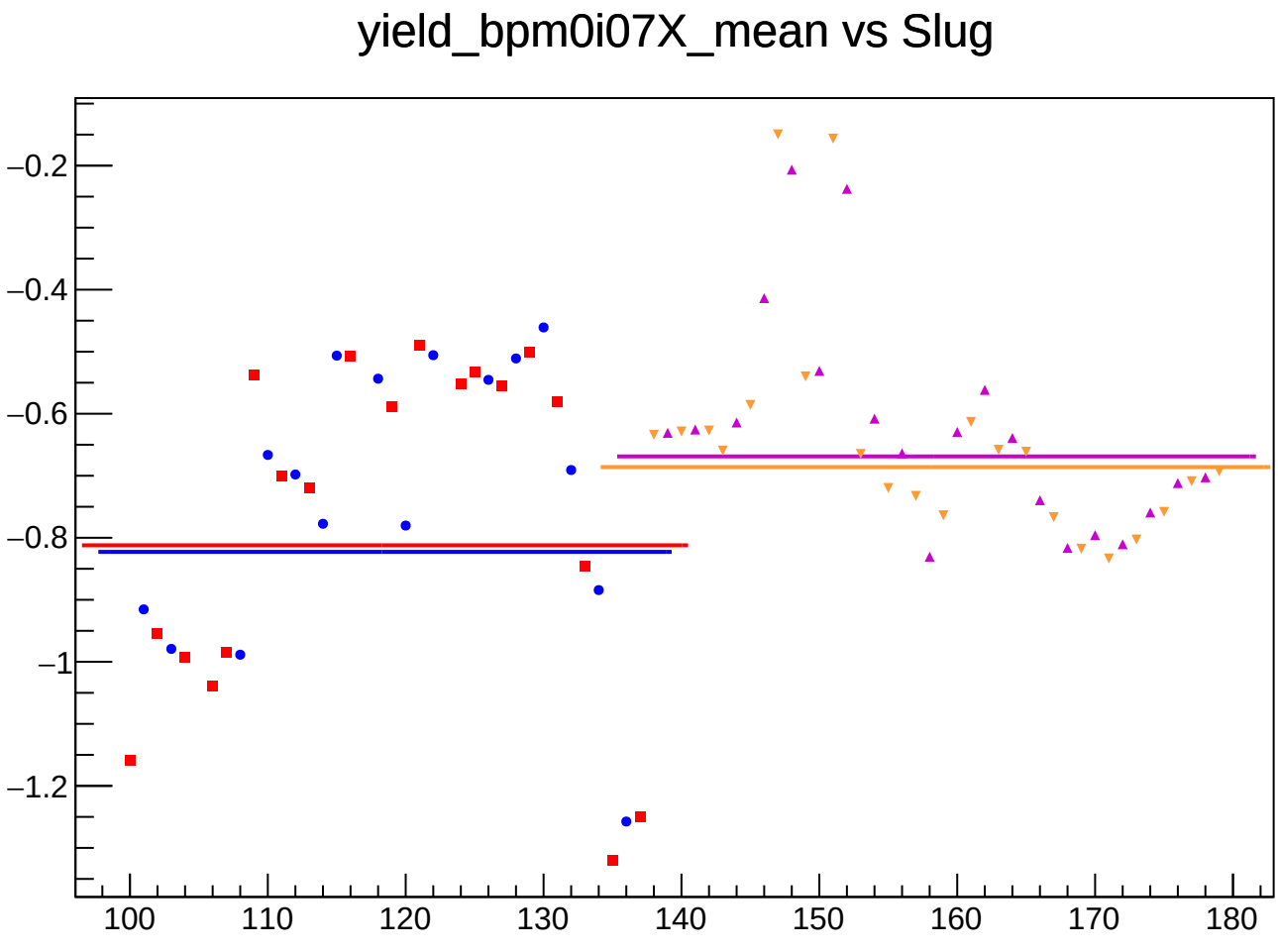
Right Out: 0.006+/-0.000 χ^2/NDF: 529170.9/18

Left In: 0.005+/-0.000 χ^2/NDF:208498.6/19

+ sign 0.005+/-0.000 χ^2/NDF: 1914978.4/37

All: 0.005+/-0.000 χ^2/NDF: 3491881.7/76

- sign 0.005+/-0.000 χ^2/NDF: 1574908.3/38



Right In: -0.823+/-0.000 χ^2/NDF: 12226599844.5/15

Left Out: -0.686+/-0.000 χ^2/NDF:22330337381.0/21

Right Out: -0.812+/-0.000 χ^2/NDF: 14825441332.4/18

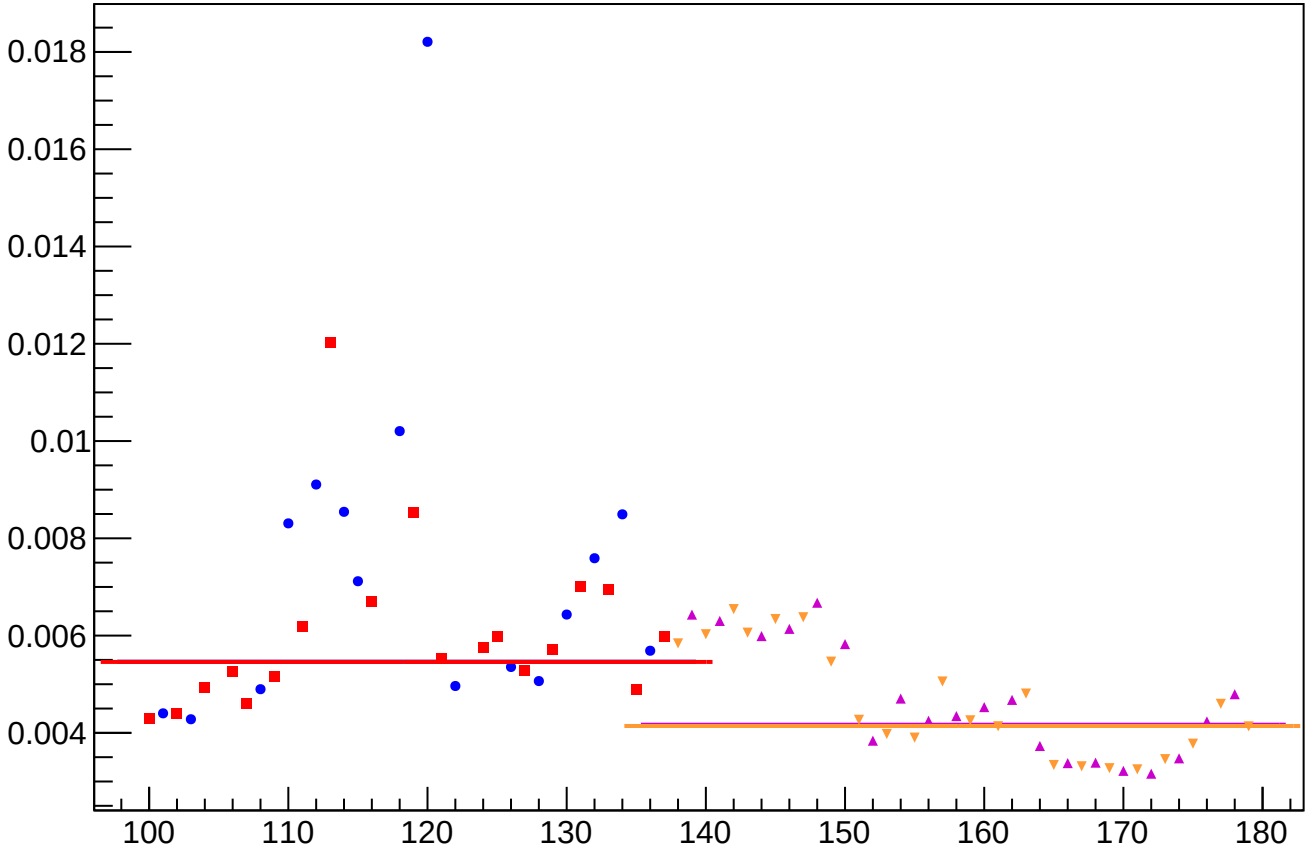
Left In: -0.669+/-0.000 χ^2/NDF:22493280525.0/19

+ sign -0.710+/-0.000 χ^2/NDF: 37405359878.9/37

All: -0.704+/-0.000 χ^2/NDF: 78113837359.9/

- sign -0.698+/-0.000 χ^2/NDF: 40630325448.4/38

yield_bpm0i07X_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 961483.6/15

Left Out: 0.004+/-0.000 χ^2/NDF:1502799.5/21

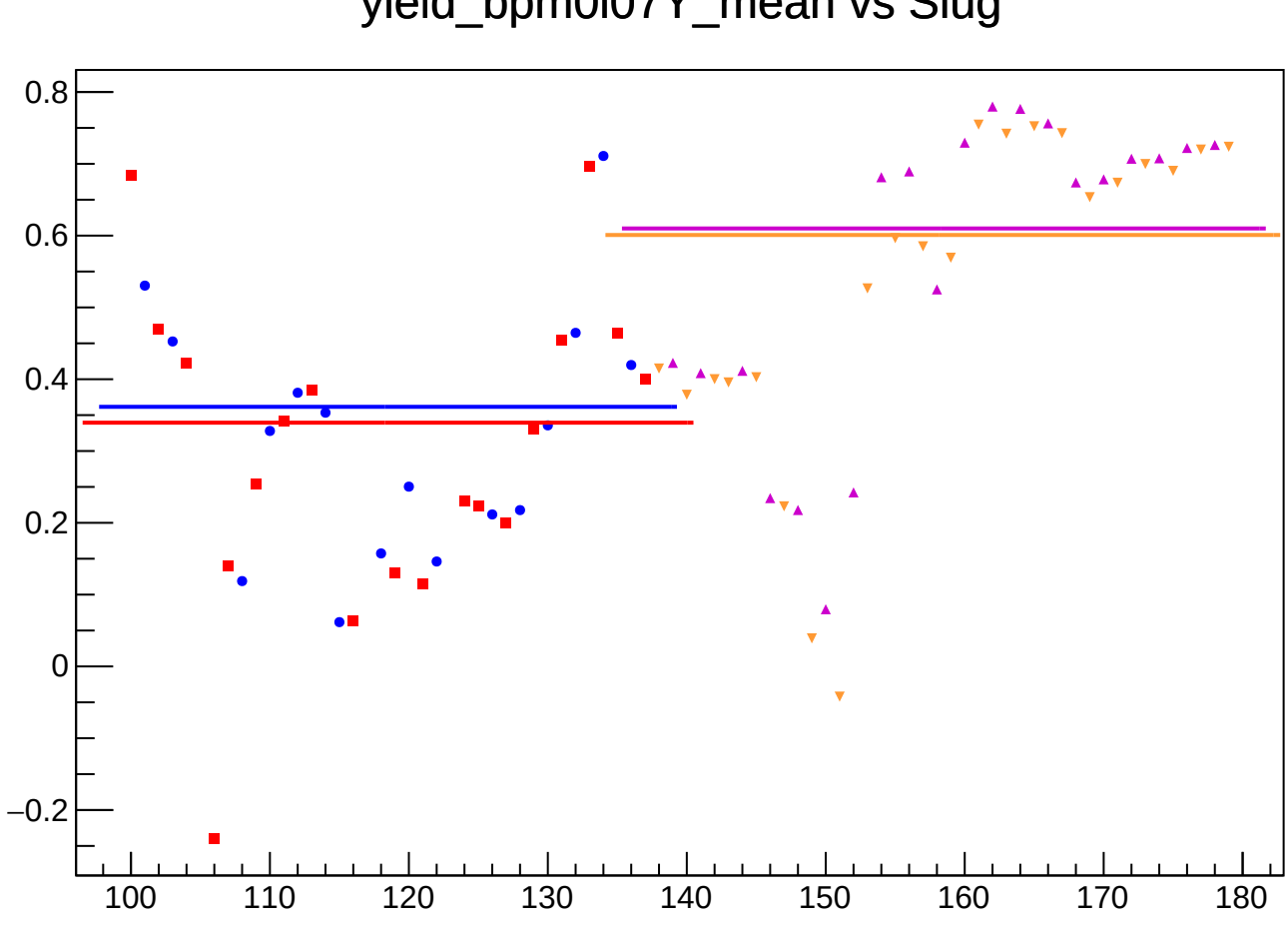
Right Out: 0.005+/-0.000 χ^2/NDF: 507792.7/18

Left In: 0.004+/-0.000 χ^2/NDF:1631207.8/19

\+ sign 0.004+/-0.000 χ^2/NDF: 2996833.4/37

All: 0.004+/-0.000 χ^2/NDF: 5675659.8/76

\- sign 0.004+/-0.000 χ^2/NDF: 2675766.7/38



Right In: 0.362+/-0.000 χ^2/NDF: 8775952187.9/15

Left Out: 0.601+/-0.000 χ^2/NDF:43857412144.0/21

Right Out: 0.339+/-0.000 χ^2/NDF: 12071802789.9/18

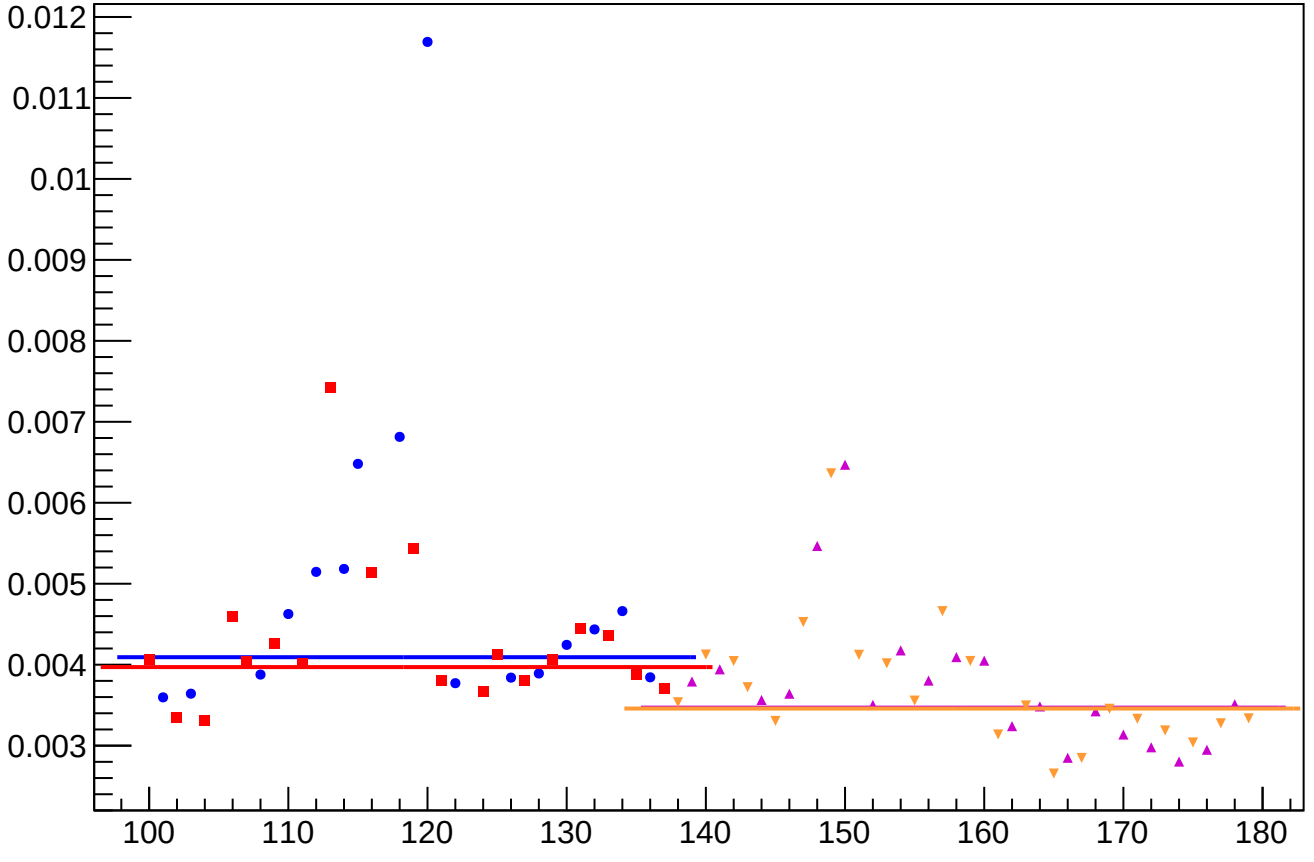
Left In: 0.610+/-0.000 χ^2/NDF:38364584673.2/19

+ sign 0.545+/-0.000 χ^2/NDF: 68713222058.8/37

All: 0.542+/-0.000 χ^2/NDF: 141003333193.2

- sign 0.538+/-0.000 χ^2/NDF: 72246601349.0/38

yield_bpm0i07Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 491748.3/15

Left Out: 0.003+/-0.000 χ^2/NDF:809314.4/21

Right Out: 0.004+/-0.000 χ^2/NDF: 313701.1/18

Left In: 0.003+/-0.000 χ^2/NDF:862822.9/19

+ sign 0.004+/-0.000 χ^2/NDF: 1526780.1/37

All: 0.004+/-0.000 χ^2/NDF: 2852811.3/76

- sign 0.004+/-0.000 χ^2/NDF: 1326021.3/38

yield_bpm1i02X_mean vs Slug

Right In: -0.095+/-0.000 χ^2/NDF: 5489721985.1/15

Left Out: -2.335+/-0.000 χ^2/NDF:1916404238.0/21

Right Out: -0.112+/-0.000 χ^2/NDF: 6190163375.6/18

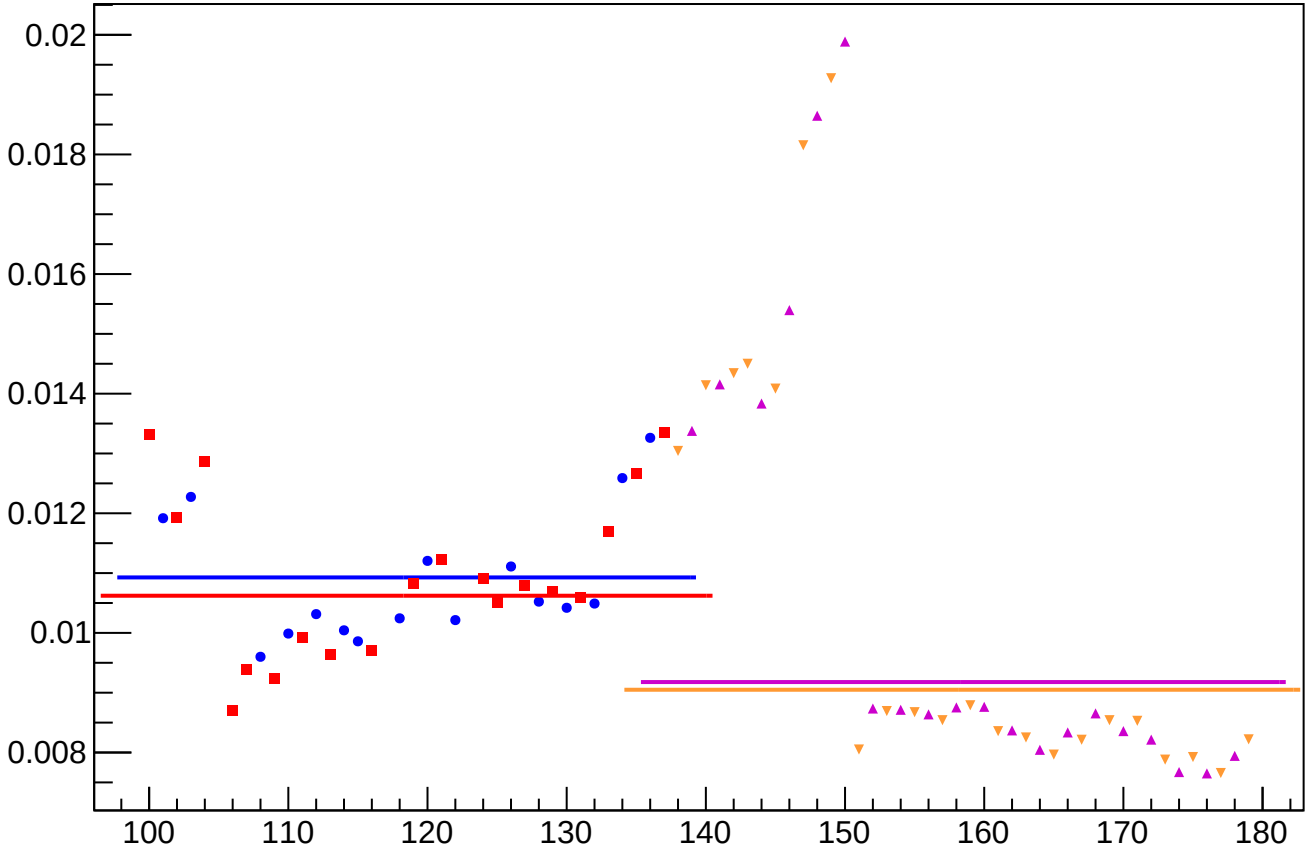
Left In: -2.346+/-0.000 χ^2/NDF:1494534552.2/19

+ sign -1.819+/-0.000 χ^2/NDF: 237846338959.9/37

All: -1.786+/-0.000 χ^2/NDF: 485449504547.1

- sign -1.752+/-0.000 χ^2/NDF: 247038783145.6/38

yield_bpm1i02X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF: 136478.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:2047860.1/21

Right Out: 0.011+/-0.000 χ^2/NDF: 190526.1/18

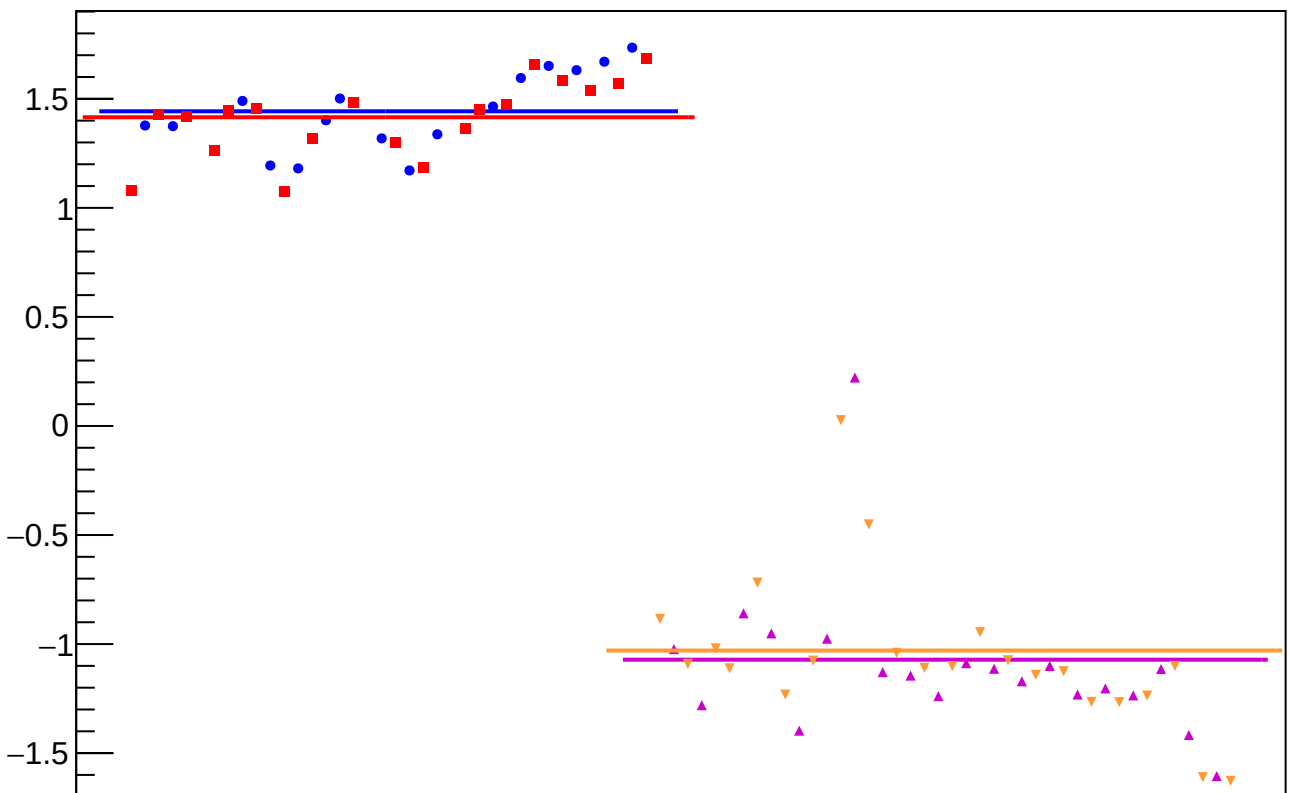
Left In: 0.009+/-0.000 χ^2/NDF:2099825.4/19

+ sign 0.009+/-0.000 χ^2/NDF: 2508150.2/37

All: 0.010+/-0.000 χ^2/NDF: 4999969.5/76

- sign 0.010+/-0.000 χ^2/NDF: 2490218.2/38

yield_bpm1i02Y_mean vs Slug



Right In: 1.443+/-0.000 χ^2/NDF: 3739724691.1/15

Left Out: -1.030+/-0.000 χ^2/NDF:48960368955.8/21

Right Out: 1.415+/-0.000 χ^2/NDF: 2803466123.0/18

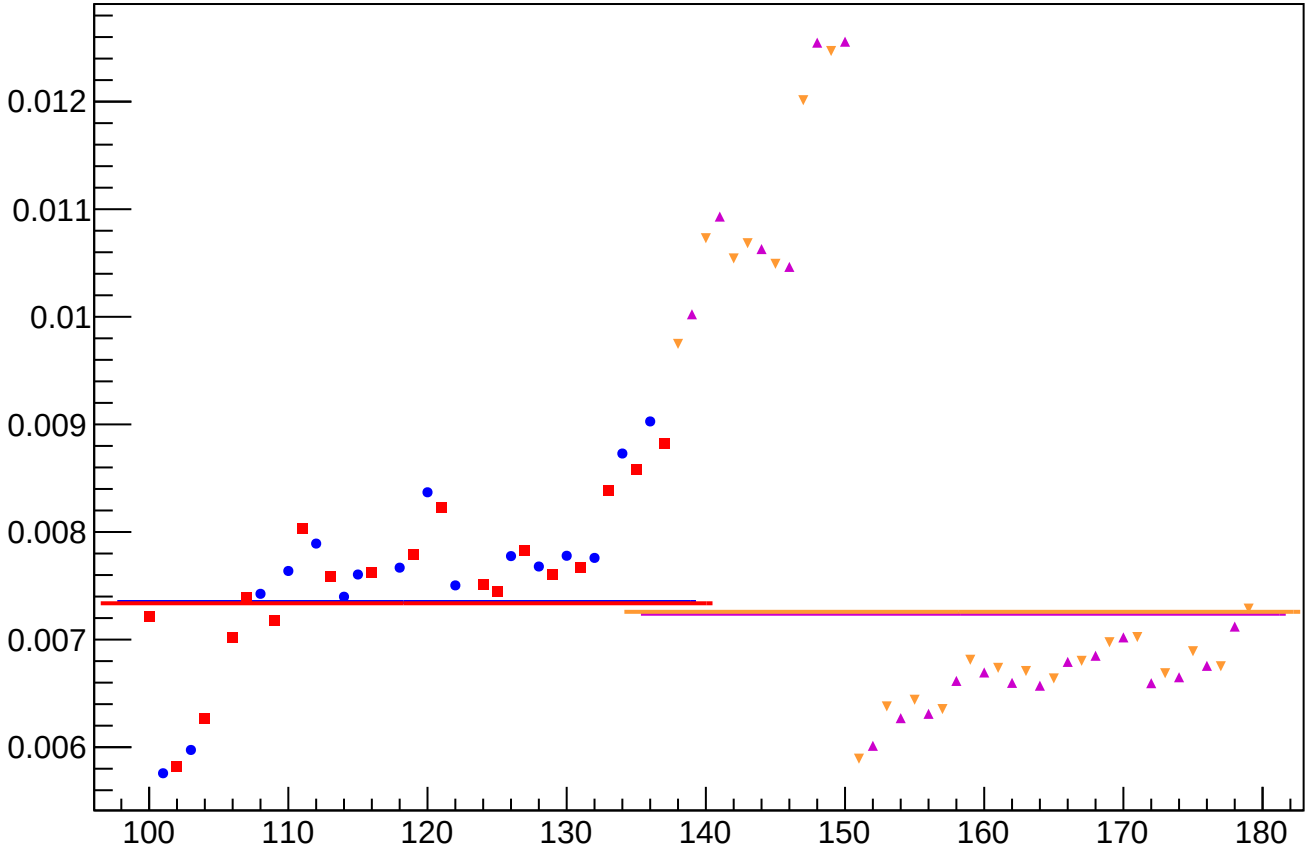
Left In: -1.072+/-0.000 χ^2/NDF:49813141581.9/19

+ sign -0.305+/-0.000 χ^2/NDF: 617811236873.0/37

All: -0.294+/-0.000 χ^2/NDF: 1249224492533

- sign -0.284+/-0.000 χ^2/NDF: 631319922924.2/38

yield_bpm1i02Y_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 270864.2/15

Left Out: 0.007+/-0.000 χ^2/NDF:1487136.1/21

Right Out: 0.007+/-0.000 χ^2/NDF: 195372.6/18

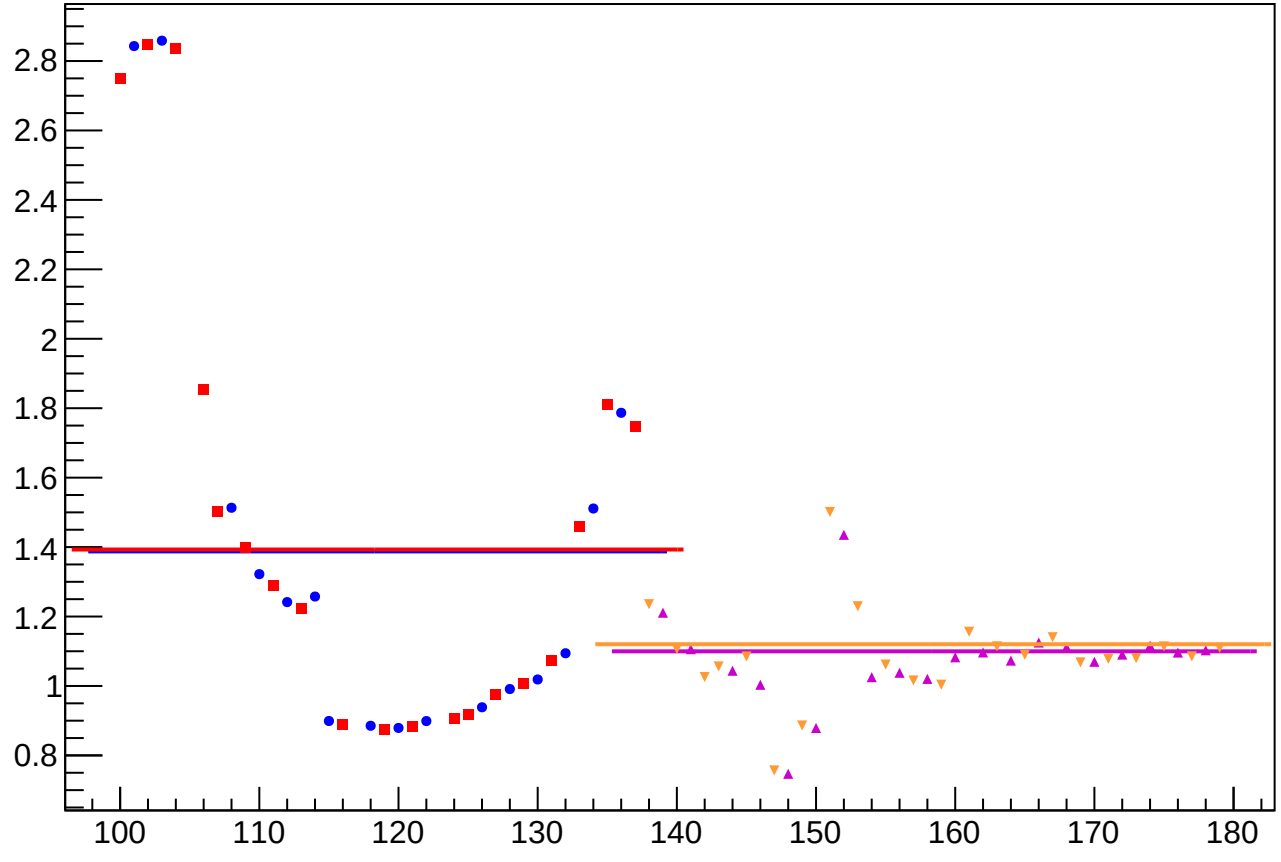
Left In: 0.007+/-0.000 χ^2/NDF:1553791.7/19

+ sign 0.007+/-0.000 χ^2/NDF: 1759537.1/37

All: 0.007+/-0.000 χ^2/NDF: 3510555.6/76

- sign 0.007+/-0.000 χ^2/NDF: 1750934.1/38

yield_bpm1i04X_mean vs Slug



Right In: 1.388+/-0.000 χ^2/NDF: 58612635453.0/15

Left Out: 1.120+/-0.000 χ^2/NDF:5511825076.4/21

Right Out: 1.393+/-0.000 χ^2/NDF: 55365724659.7/18

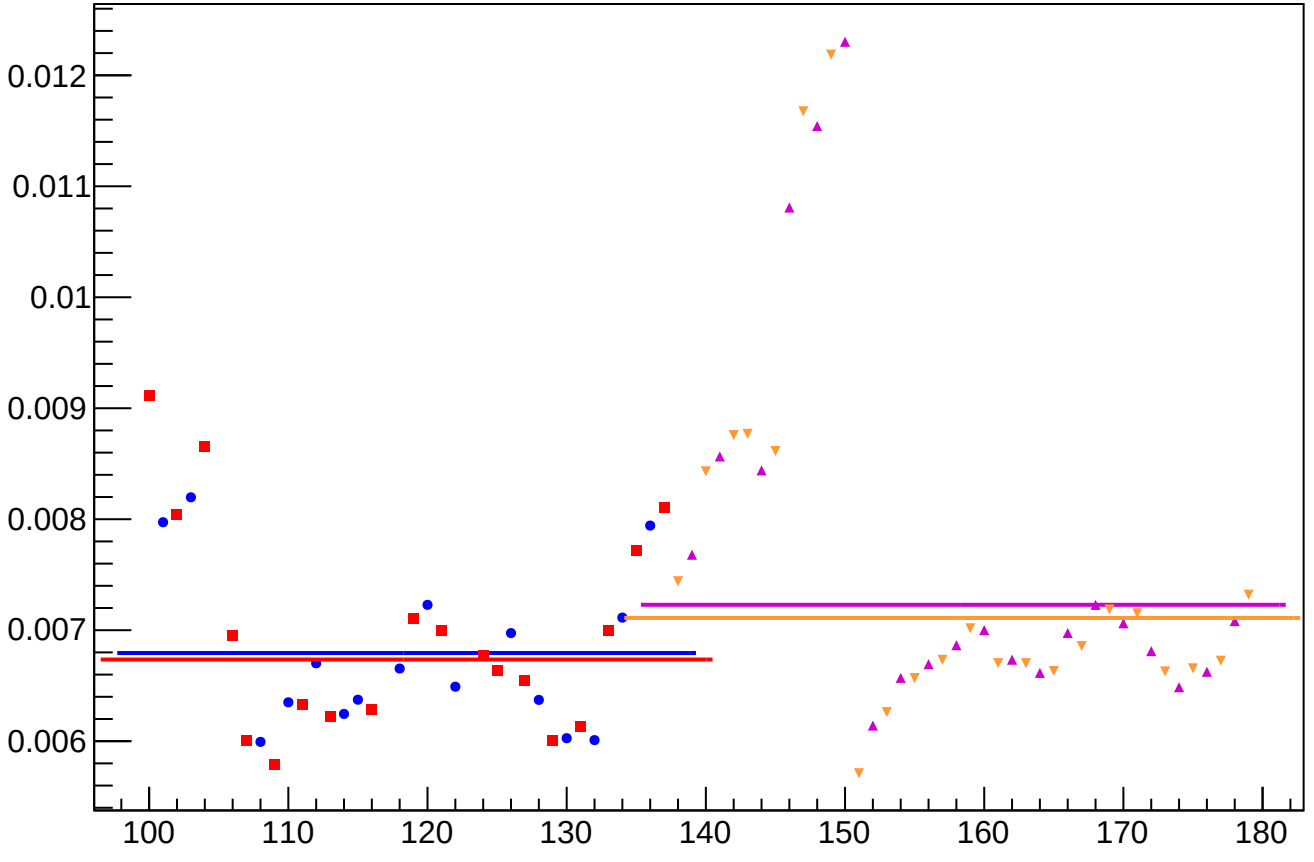
Left In: 1.100+/-0.000 χ^2/NDF:4185860210.7/19

+ sign 1.206+/-0.000 χ^2/NDF: 71611707389.7/37

All: 1.204+/-0.000 χ^2/NDF: 140186216965.9

- sign 1.203+/-0.000 χ^2/NDF: 68573290005.2/38

yield_bpm1i04X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 164456.7/15

Left Out: 0.007+/-0.000 χ^2/NDF:850840.9/21

Right Out: 0.007+/-0.000 χ^2/NDF: 198492.7/18

Left In: 0.007+/-0.000 χ^2/NDF:909403.0/19

+ sign 0.007+/-0.000 χ^2/NDF: 1036199.2/37

All: 0.007+/-0.000 χ^2/NDF: 2196102.2/76

- sign 0.007+/-0.000 χ^2/NDF: 1158935.6/38

yield_bpm1i04Y_mean vs Slug

Right In: 3.591+/-0.000 χ^2/NDF: 202184644473.7/15

Left Out: 0.632+/-0.000 χ^2/NDF:249418925747.9/21

Right Out: 3.630+/-0.000 χ^2/NDF: 212588390342.3/18

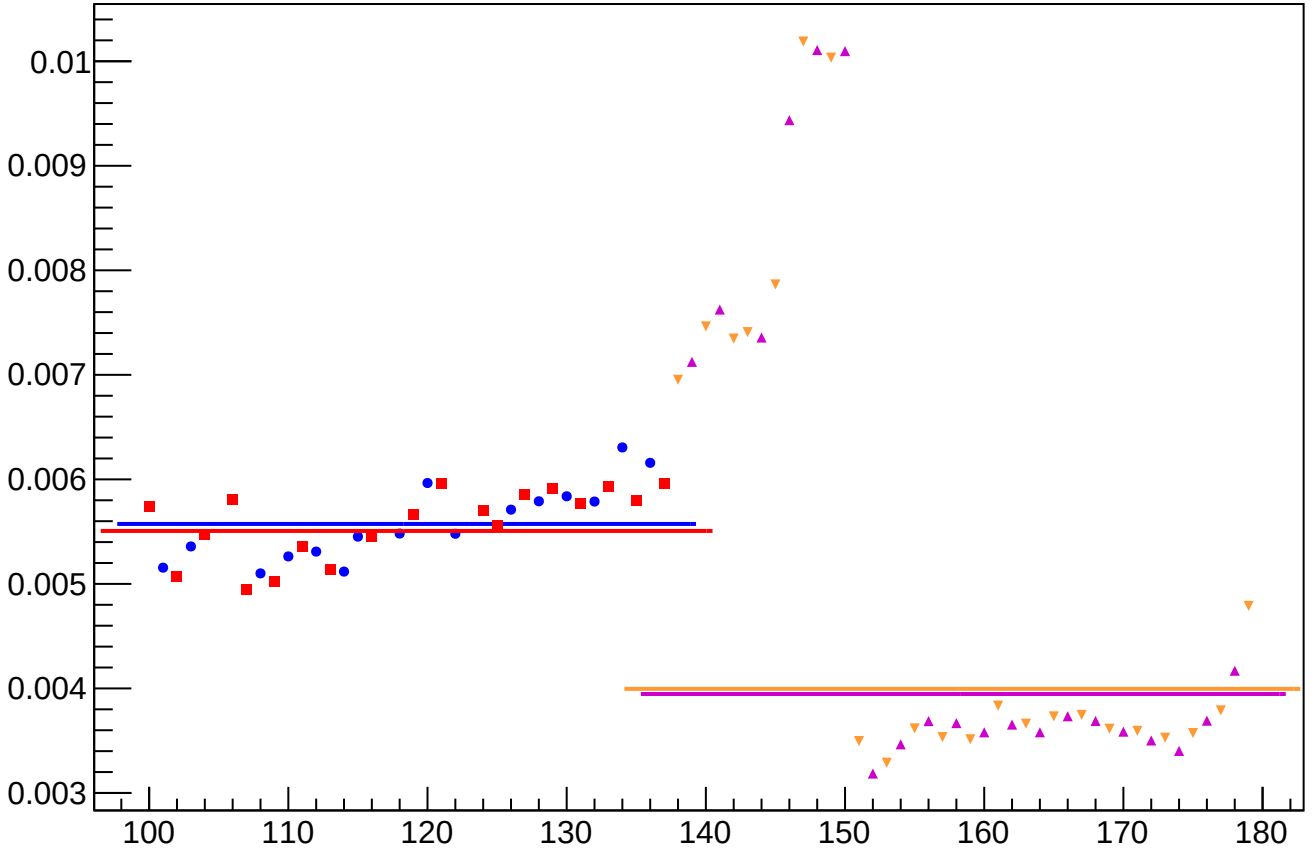
Left In: 0.644+/-0.000 χ^2/NDF:248487631001.6/19

+ sign 1.206+/-0.000 χ^2/NDF: 2079906156176.1/37

All: 1.235+/-0.000 χ^2/NDF: 4243388114494.

- sign 1.266+/-0.000 χ^2/NDF: 2161378991546.3/38

yield_bpm1i04Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 59130.1/15

Left Out: 0.004+/-0.000 χ^2/NDF:2942133.7/21

Right Out: 0.006+/-0.000 χ^2/NDF: 57427.9/18

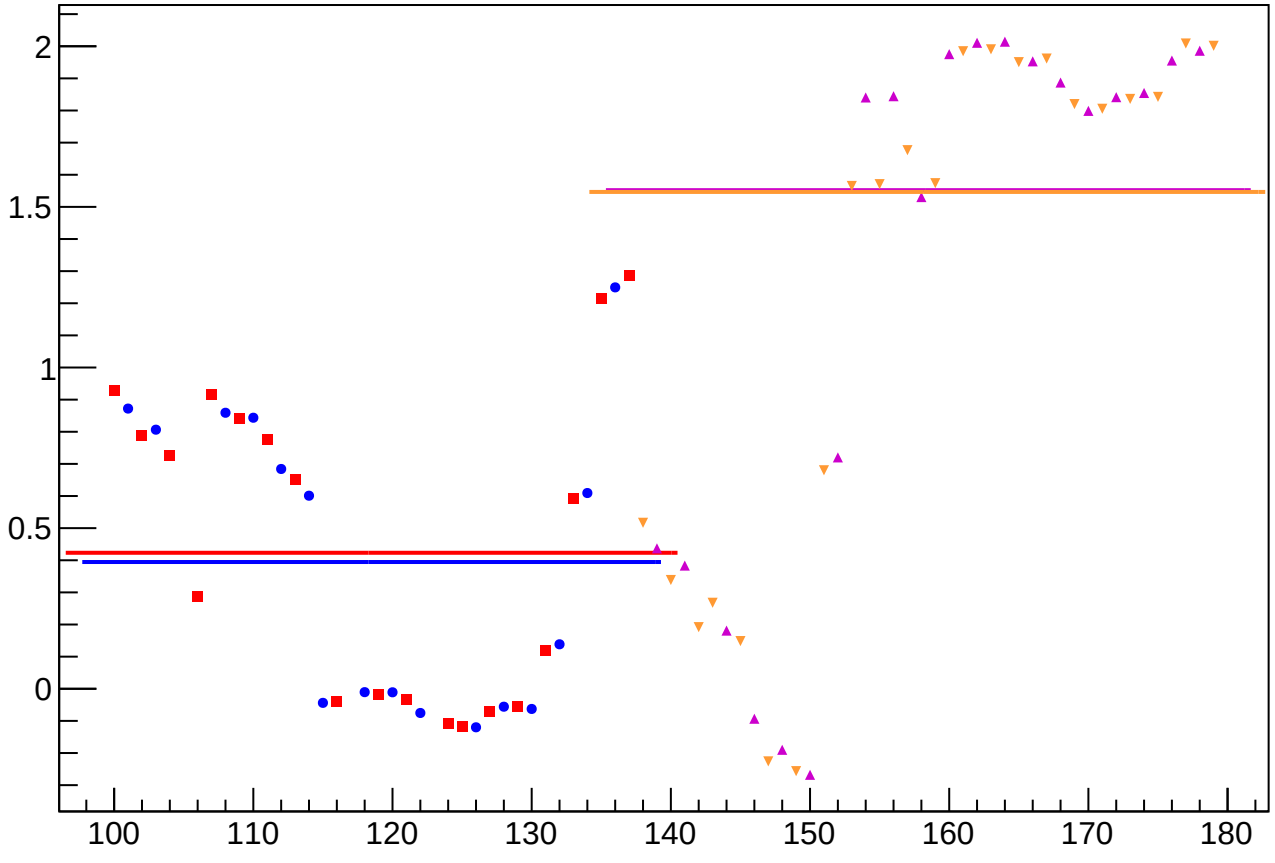
Left In: 0.004+/-0.000 χ^2/NDF:3108271.2/19

+ sign 0.004+/-0.000 χ^2/NDF: 3926826.8/37

All: 0.004+/-0.000 χ^2/NDF: 8021612.0/76

- sign 0.004+/-0.000 χ^2/NDF: 4093684.9/38

yield_bpm1i06X_mean vs Slug



Right In: 0.395+/-0.000 χ^2/NDF: 7412548044.8/15

Left Out: 1.547+/-0.000 χ^2/NDF:59140103898.8/21

Right Out: 0.423+/-0.000 χ^2/NDF: 6904060515.1/18

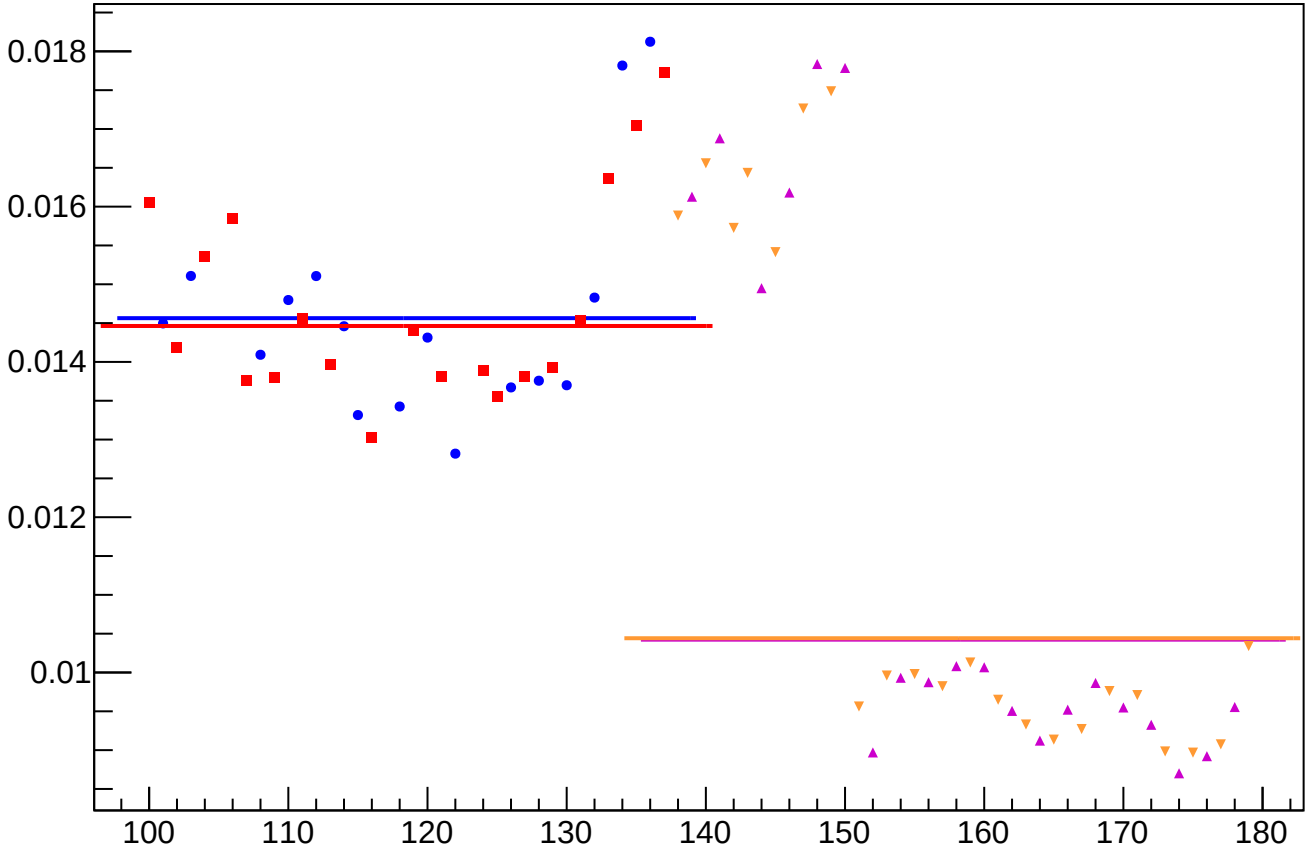
Left In: 1.552+/-0.000 χ^2/NDF:62781431325.1/19

+ sign 1.337+/-0.000 χ^2/NDF: 102876717632.7/37

All: 1.333+/-0.000 χ^2/NDF: 208150339382.8

- sign 1.329+/-0.000 χ^2/NDF: 105267091888.5/38

yield_bpm1i06X_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF: 133134.7/15

Left Out: 0.010+/-0.000 χ^2/NDF:1658410.8/21

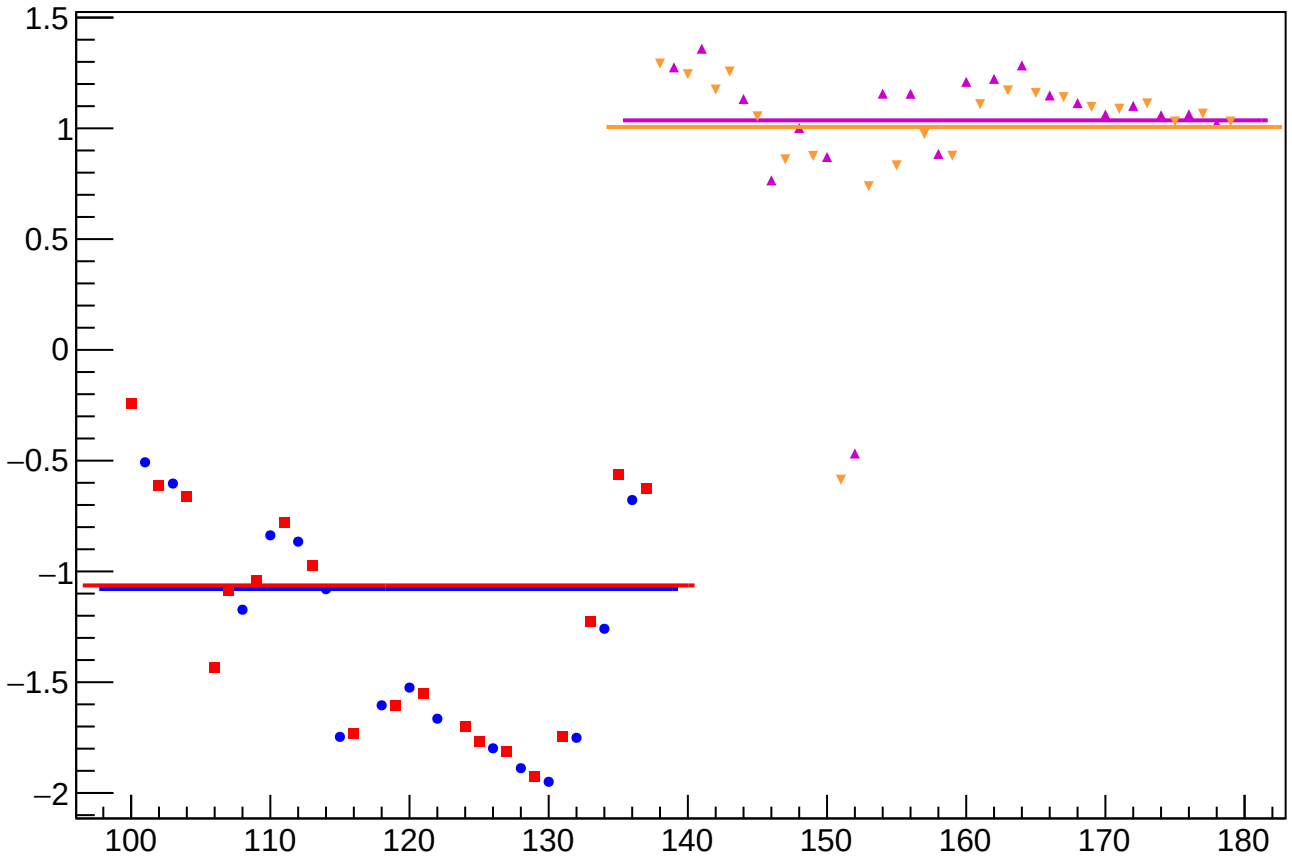
Right Out: 0.014+/-0.000 χ^2/NDF: 77396.3/18

Left In: 0.010+/-0.000 χ^2/NDF:1704172.2/19

+ sign 0.011+/-0.000 χ^2/NDF: 2721853.6/37

All: 0.011+/-0.000 χ^2/NDF: 5415179.8/76

- sign 0.011+/-0.000 χ^2/NDF: 2693139.7/38



Right In: -1.079+/-0.000 χ^2/NDF: 59756571764.5/15

Left Out: 1.006+/-0.000 χ^2/NDF:110848674833.1/21

Right Out: -1.063+/-0.000 χ^2/NDF: 49910403943.5/18

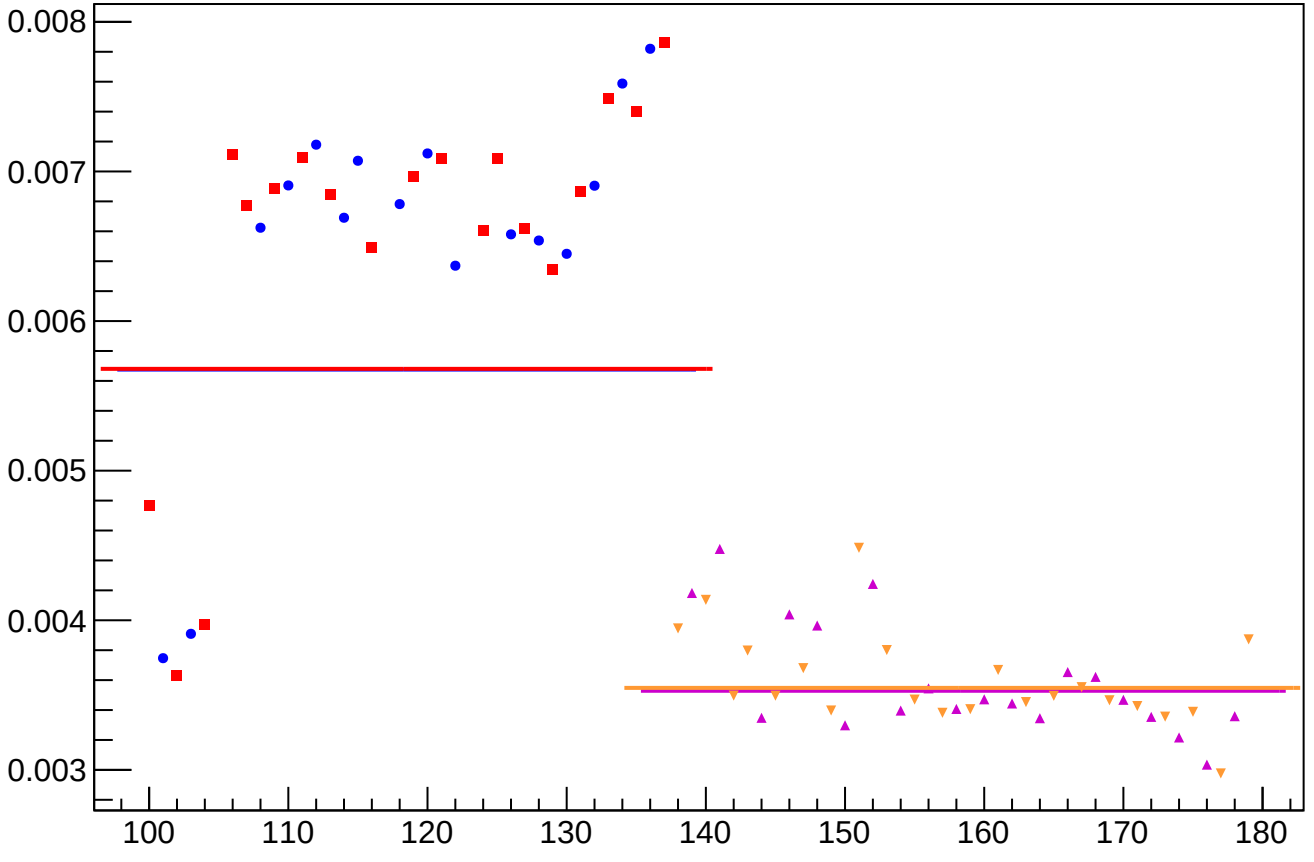
Left In: 1.036+/-0.000 χ^2/NDF:125274608213.4/19

+ sign 0.723+/-0.000 χ^2/NDF: 913282872676.5/37

All: 0.728+/-0.000 χ^2/NDF: 1841799138900.

- sign 0.733+/-0.000 χ^2/NDF: 928446445508.1/38

yield_bpm1i06Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 944822.9/15

Left Out: 0.004+/-0.000 χ^2/NDF:211886.7/21

Right Out: 0.006+/-0.000 χ^2/NDF: 980583.9/18

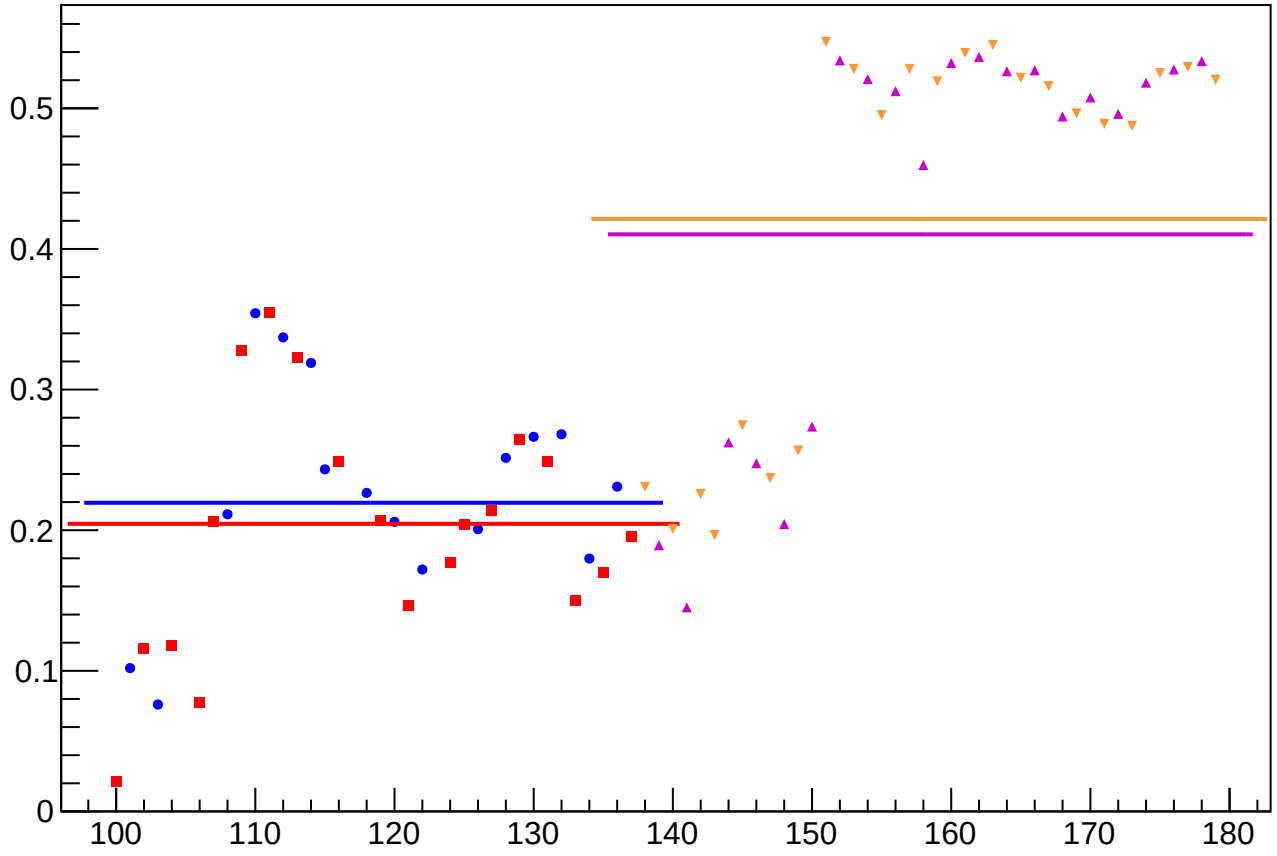
Left In: 0.004+/-0.000 χ^2/NDF:276181.8/19

+ sign 0.004+/-0.000 χ^2/NDF: 2703525.3/37

All: 0.004+/-0.000 χ^2/NDF: 5543293.2/76

- sign 0.004+/-0.000 χ^2/NDF: 2839756.4/38

yield_bpm2i01X_mean vs Slug



Right In: 0.220+/-0.000 χ^2/NDF: 16729743257.8/15

Left Out: 0.421+/-0.000 χ^2/NDF:149129845916.4/21

Right Out: 0.205+/-0.000 χ^2/NDF: 22312377506.1/18

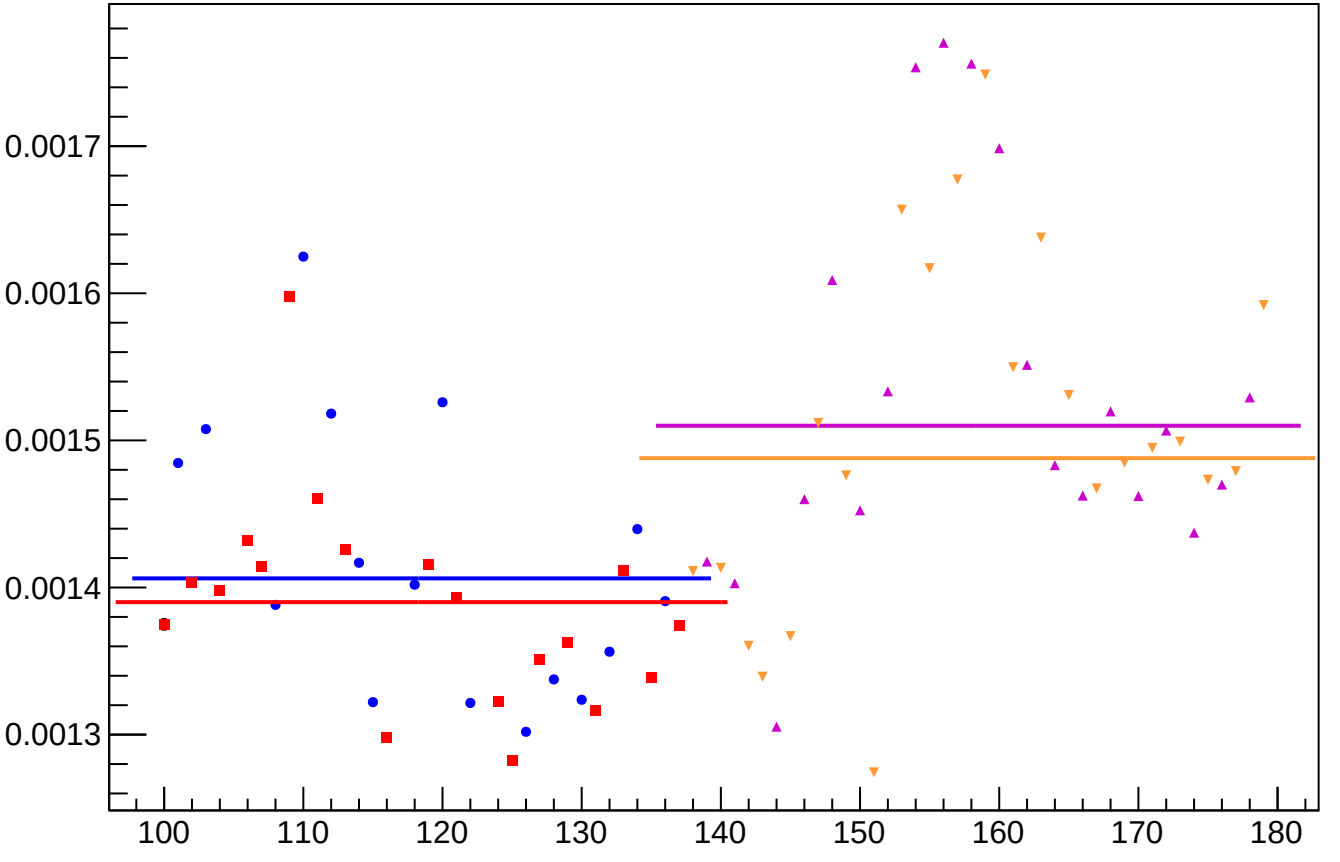
Left In: 0.410+/-0.000 χ^2/NDF:146938491322.8/19

+ sign 0.359+/-0.000 χ^2/NDF: 264295766331.7/37

All: 0.349+/-0.000 χ^2/NDF: 540187009438.1

- sign 0.338+/-0.000 χ^2/NDF: 273590629409.8/38

yield_bpm2i01X_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 48200.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:208297.2/21

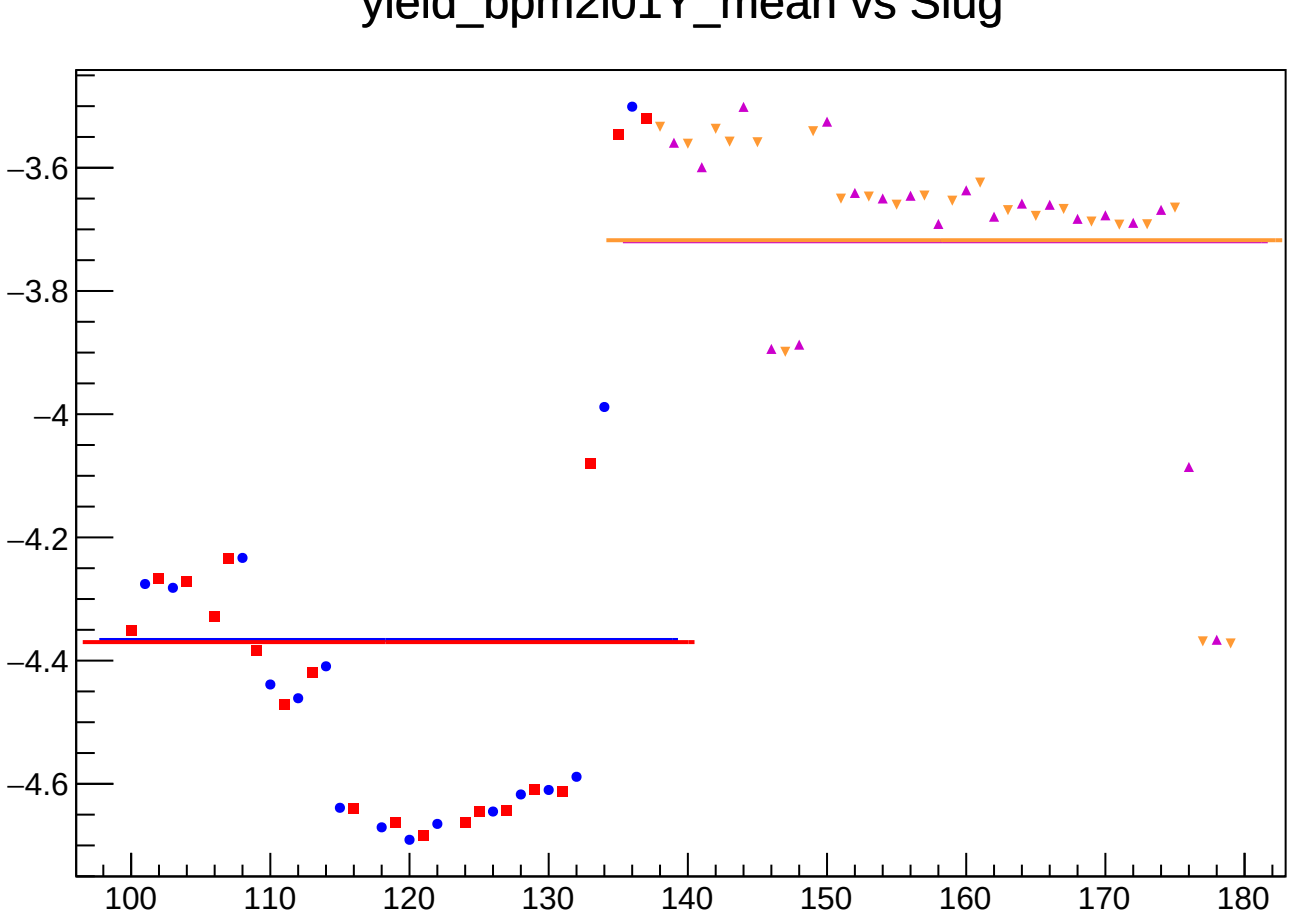
Right Out: 0.001+/-0.000 χ^2/NDF: 34786.9/18

Left In: 0.002+/-0.000 χ^2/NDF:204781.4/19

+ sign 0.001+/-0.000 χ^2/NDF: 288800.7/37

All: 0.001+/-0.000 χ^2/NDF: 599486.0/76

- sign 0.001+/-0.000 χ^2/NDF: 310369.8/38



Right In: -4.367+/-0.000 χ^2/NDF: 353013303743.6/15

Left Out: -3.718+/-0.000 χ^2/NDF:305223469627.7/21

Right Out: -4.370+/-0.000 χ^2/NDF: 296136368274.3/18

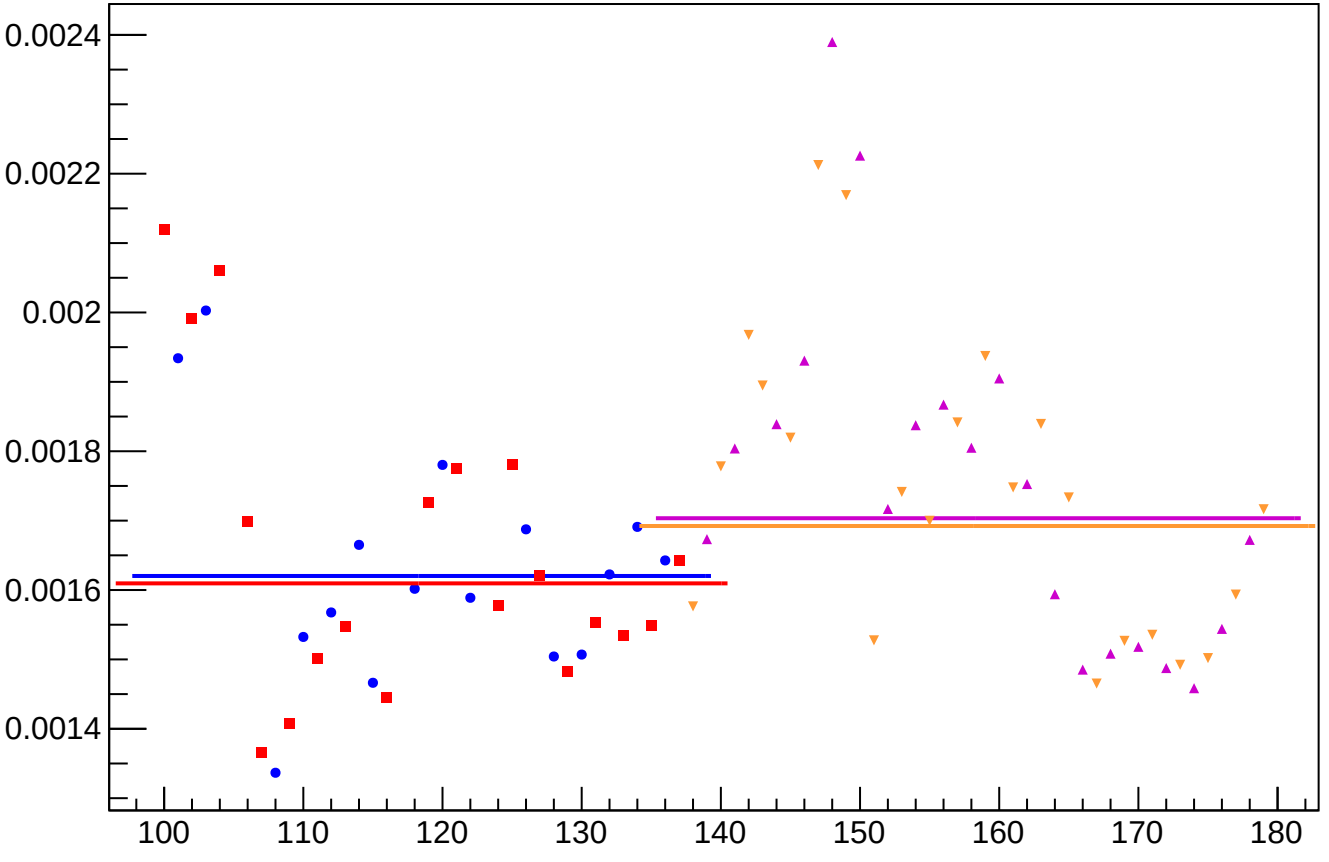
Left In: -3.719+/-0.000 χ^2/NDF:207626035223.9/19

+ sign -3.918+/-0.000 χ^2/NDF: 1420291851059.2/3

All: -3.928+/-0.000 χ^2/NDF: 2696784163379

- sign -3.939+/-0.000 χ^2/NDF: 1274711278184.8/38

yield_bpm2i01Y_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 140216.3/15

Left Out: 0.002+/-0.000 χ^2/NDF:424512.0/21

Right Out: 0.002+/-0.000 χ^2/NDF: 184968.0/18

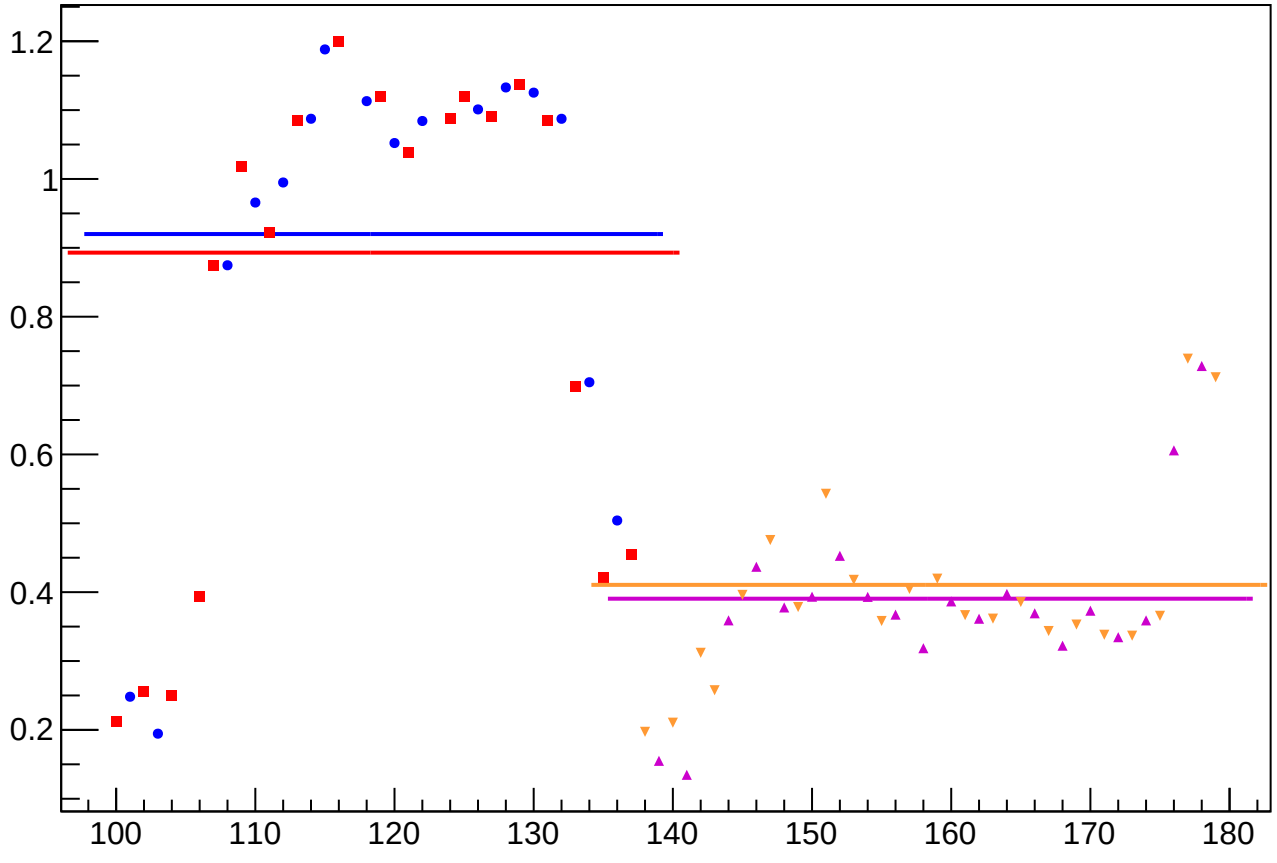
Left In: 0.002+/-0.000 χ^2/NDF:492017.8/19

+ sign 0.002+/-0.000 χ^2/NDF: 583502.3/37

All: 0.002+/-0.000 χ^2/NDF: 1292617.8/76

- sign 0.002+/-0.000 χ^2/NDF: 709089.0/38

yield_bpm2i02X_mean vs Slug



Right In: 0.920+/-0.000 χ^2/NDF: 14566431727.4/15

Left Out: 0.411+/-0.000 χ^2/NDF:6249900102.3/21

Right Out: 0.893+/-0.000 χ^2/NDF: 17642154019.1/18

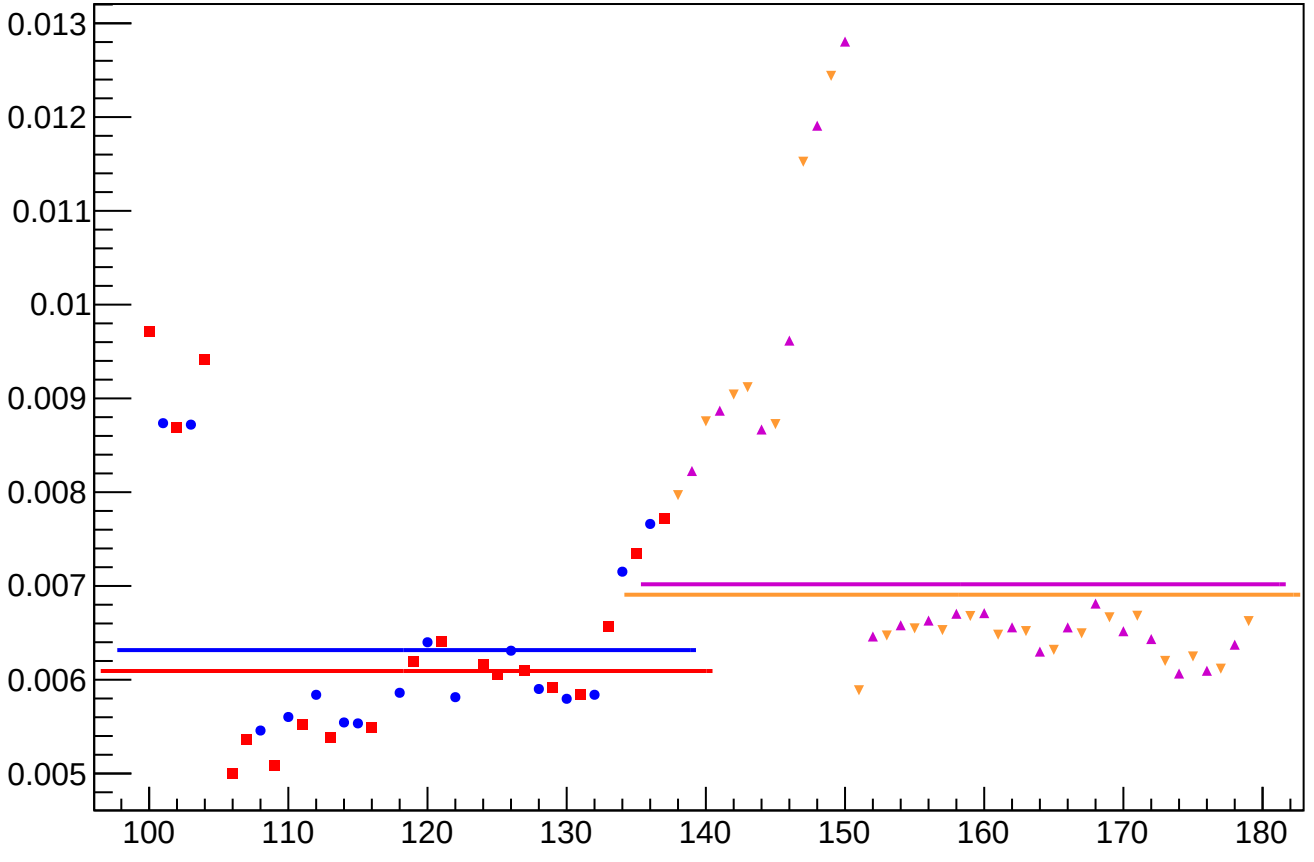
Left In: 0.391+/-0.000 χ^2/NDF:4921038610.0/19

+ sign 0.580+/-0.000 χ^2/NDF: 51254713805.3/37

All: 0.581+/-0.000 χ^2/NDF: 104396440575.7

- sign 0.582+/-0.000 χ^2/NDF: 53141139813.6/38

yield_bpm2i02X_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 335709.2/15

Left Out: 0.007+/-0.000 χ^2/NDF:1080034.7/21

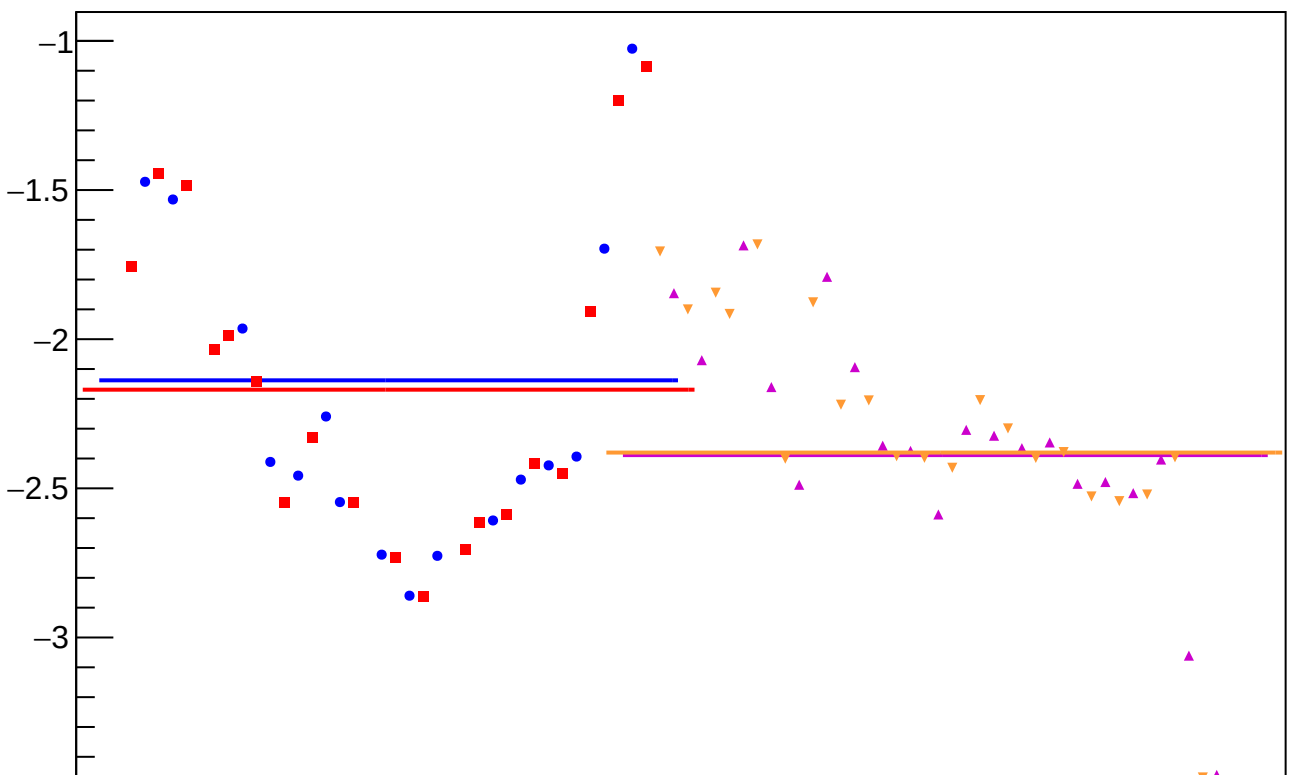
Right Out: 0.006+/-0.000 χ^2/NDF: 435933.6/18

Left In: 0.007+/-0.000 χ^2/NDF:1127513.4/19

+ sign 0.007+/-0.000 χ^2/NDF: 1497587.0/37

All: 0.007+/-0.000 χ^2/NDF: 3269117.2/76

- sign 0.007+/-0.000 χ^2/NDF: 1770523.8/38



Right In: -2.138+/-0.000 χ^2/NDF: 65666622158.4/15

Left Out: -2.380+/-0.000 χ^2/NDF:77255668671.2/21

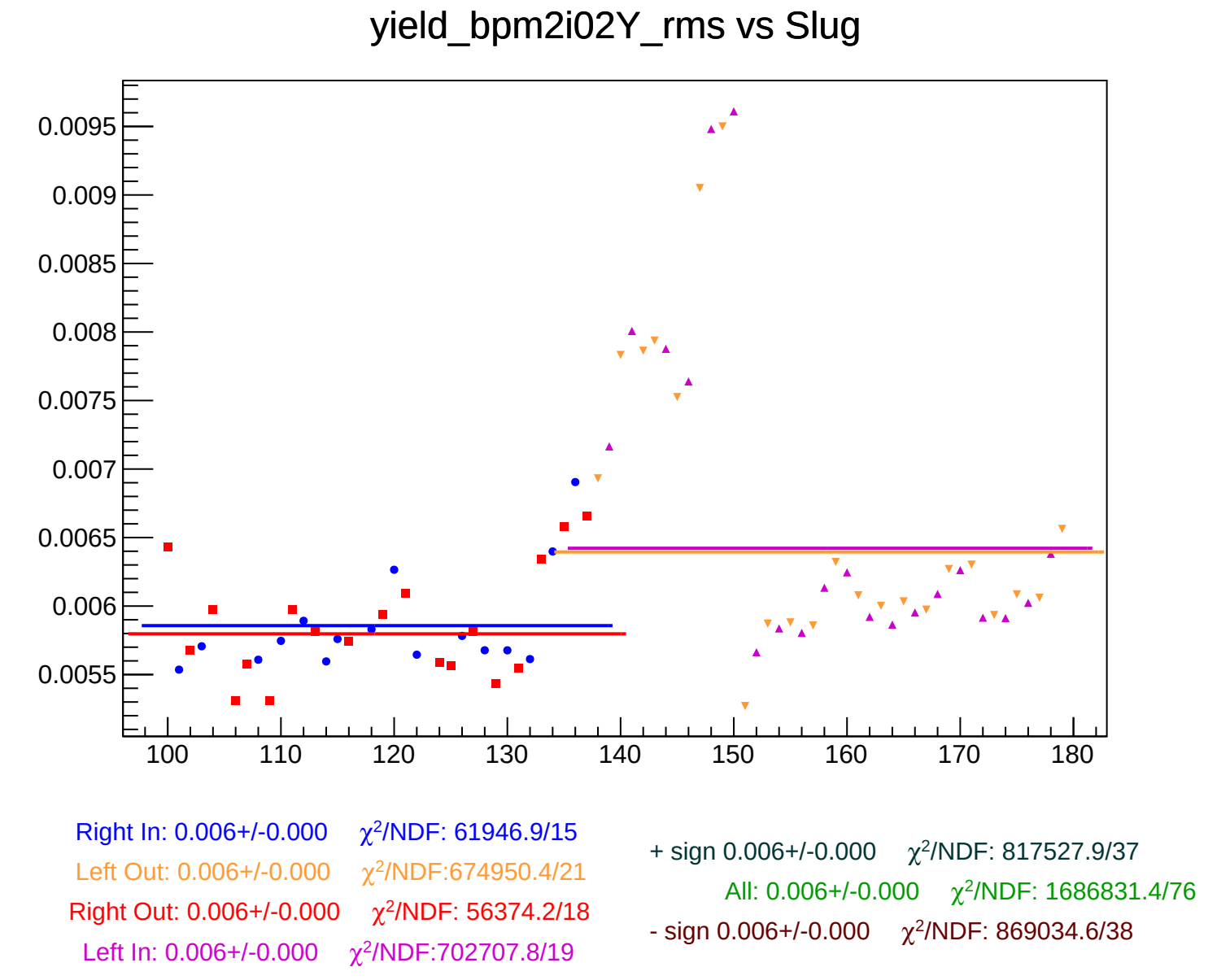
Right Out: -2.169+/-0.000 χ^2/NDF: 57409196879.6/18

Left In: -2.389+/-0.000 χ^2/NDF:52939427082.7/19

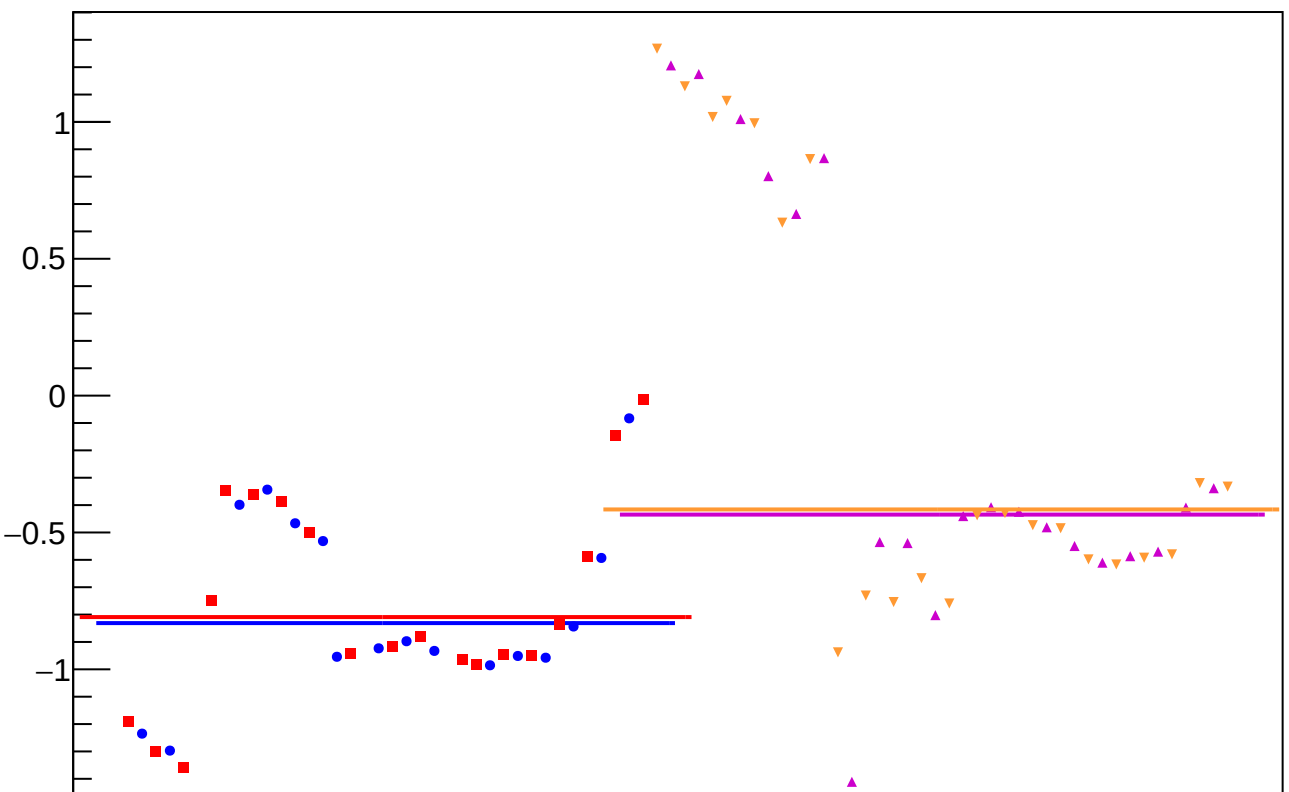
+ sign -2.299+/-0.000 χ^2/NDF: 151105971550.8/37

All: -2.304+/-0.000 χ^2/NDF: 268262499471.9

- sign -2.309+/-0.000 χ^2/NDF: 117128544784.0/38


yield_bpm2i02Y_rms vs Slug
0.0095
0.009
0.0085
0.008
0.0075
0.007
0.0065
0.006
0.0055
100
110
120
130
140
150
160
170
180
Right In: 0.006+/-0.000 χ²/NDF: 61946.9/15
Left Out: 0.006+/-0.000 χ²/NDF:674950.4/21
Right Out: 0.006+/-0.000 χ²/NDF: 56374.2/18
Left In: 0.006+/-0.000 χ²/NDF:702707.8/19
+ sign 0.006+/-0.000 χ²/NDF: 817527.9/37
All: 0.006+/-0.000 χ²/NDF: 1686831.4/76
- sign 0.006+/-0.000 χ²/NDF: 869034.6/38

yield_bpm0i01X_mean vs Slug



Right In: -0.831+/-0.000 χ^2/NDF: 7112259663.3/15

Left Out: -0.416+/-0.000 χ^2/NDF:81332254070.4/21

Right Out: -0.809+/-0.000 χ^2/NDF: 8146337898.7/18

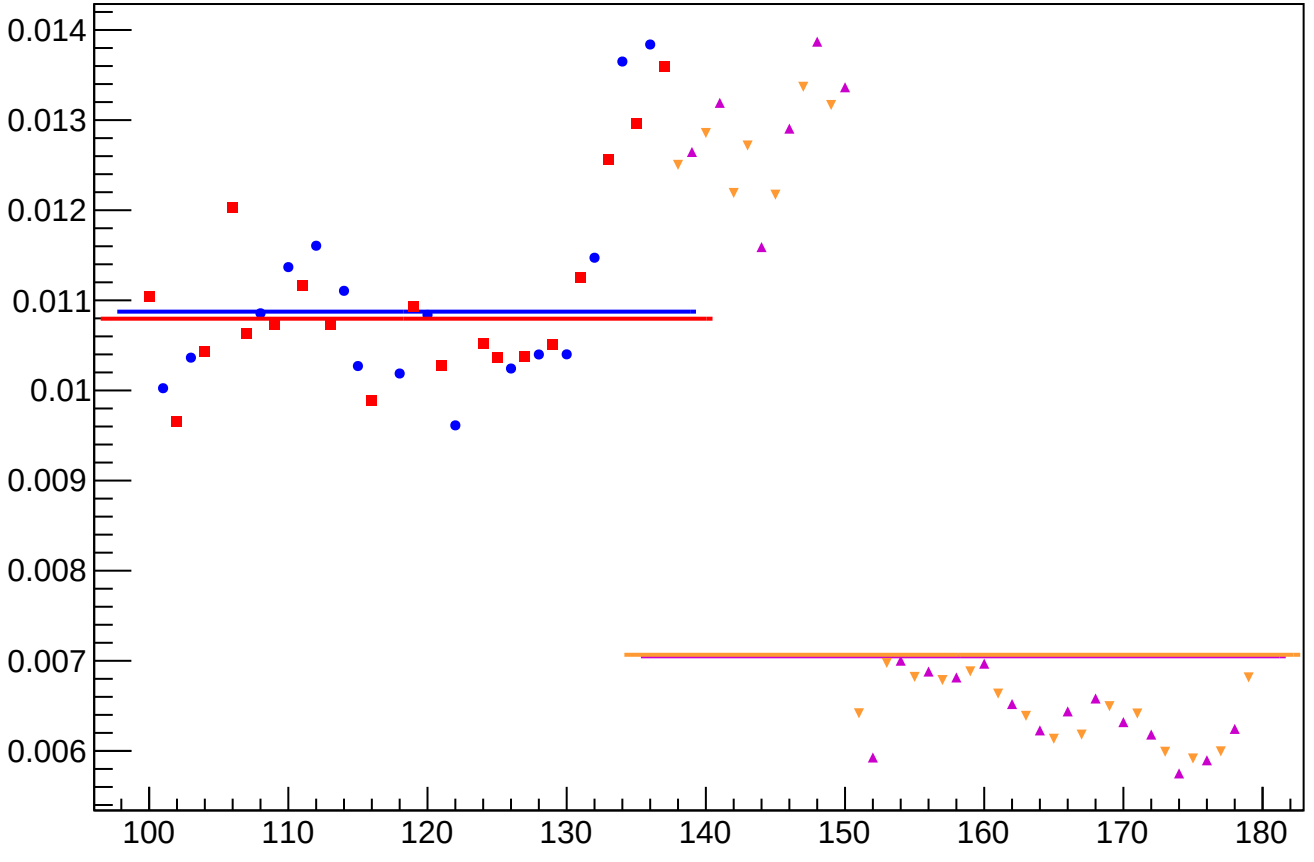
Left In: -0.435+/-0.000 χ^2/NDF:89808386377.3/19

+ sign -0.481+/-0.000 χ^2/NDF: 97089178690.8/37

All: -0.490+/-0.000 χ^2/NDF: 202299310888.

- sign -0.499+/-0.000 χ^2/NDF: 105150767273.8/38

yield_bpm0i01X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF: 157612.7/15

Left Out: 0.007+/-0.000 χ^2/NDF:2381789.8/21

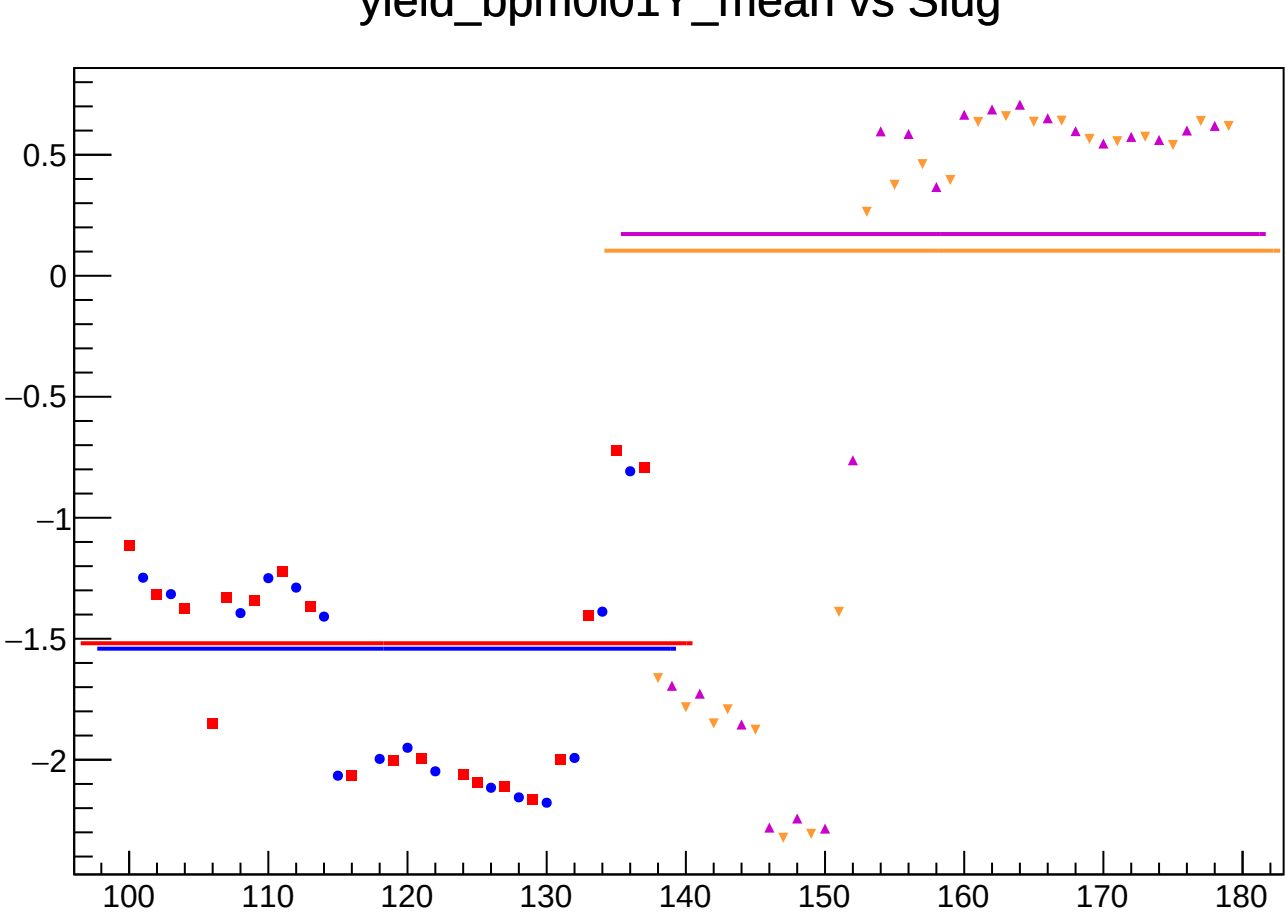
Right Out: 0.011+/-0.000 χ^2/NDF: 99122.1/18

Left In: 0.007+/-0.000 χ^2/NDF:2443711.8/19

+ sign 0.008+/-0.000 χ^2/NDF: 3993118.0/37

All: 0.008+/-0.000 χ^2/NDF: 7977270.8/76

- sign 0.008+/-0.000 χ^2/NDF: 3983850.1/38



Right In: -1.541+/-0.000 χ^2/NDF: 162409397922.2/15

Left Out: 0.104+/-0.000 χ^2/NDF:2332830238247.9/21

Right Out: -1.519+/-0.000 χ^2/NDF: 145077318641.2/18

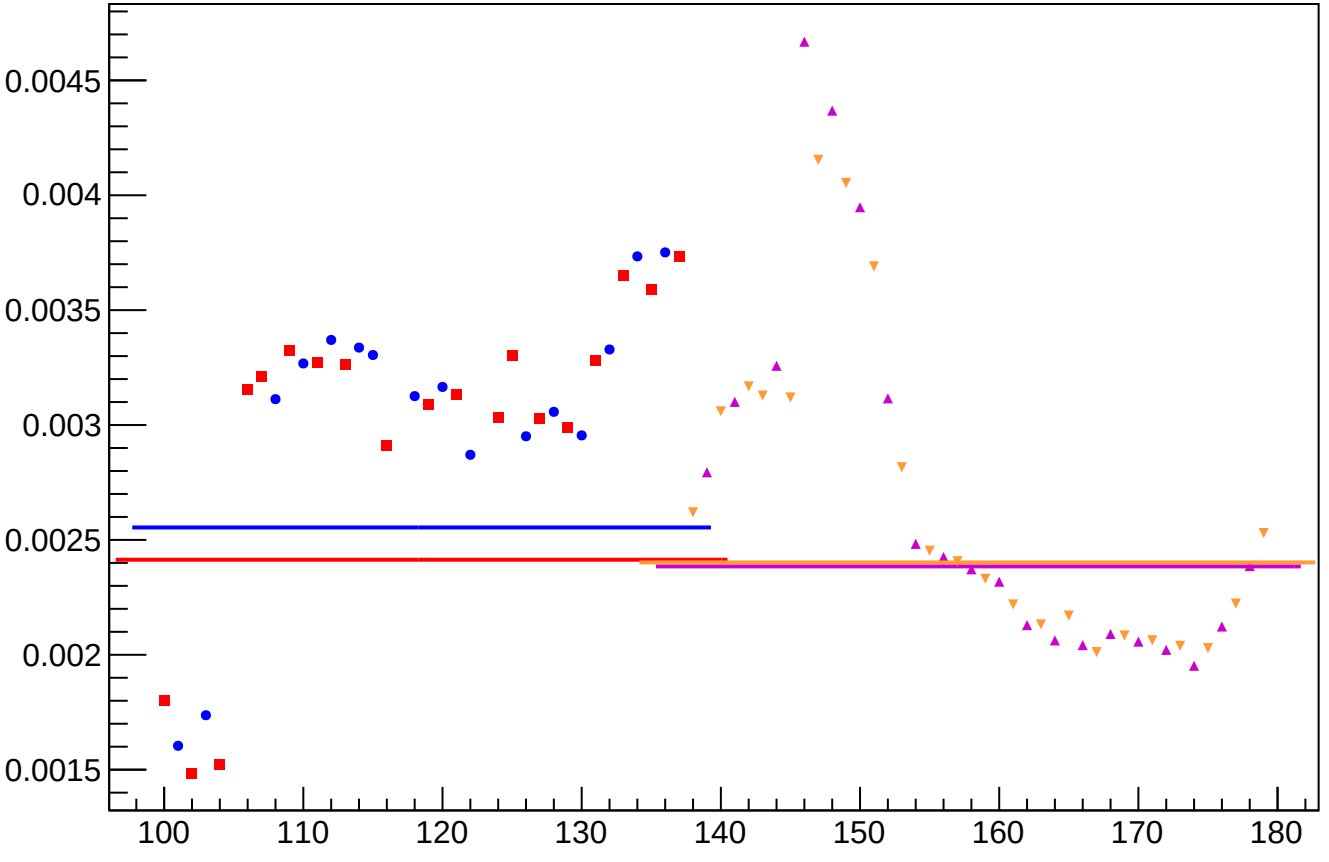
Left In: 0.173+/-0.000 χ^2/NDF:2071106756801.6/19

+ sign -0.324+/-0.000 χ^2/NDF: 4354739845811.2/3

All: -0.322+/-0.000 χ^2/NDF: 863358744235

- sign -0.319+/-0.000 χ^2/NDF: 4278590371745.1/38

yield_bpm0i01Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 1172434.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:1209768.9/21

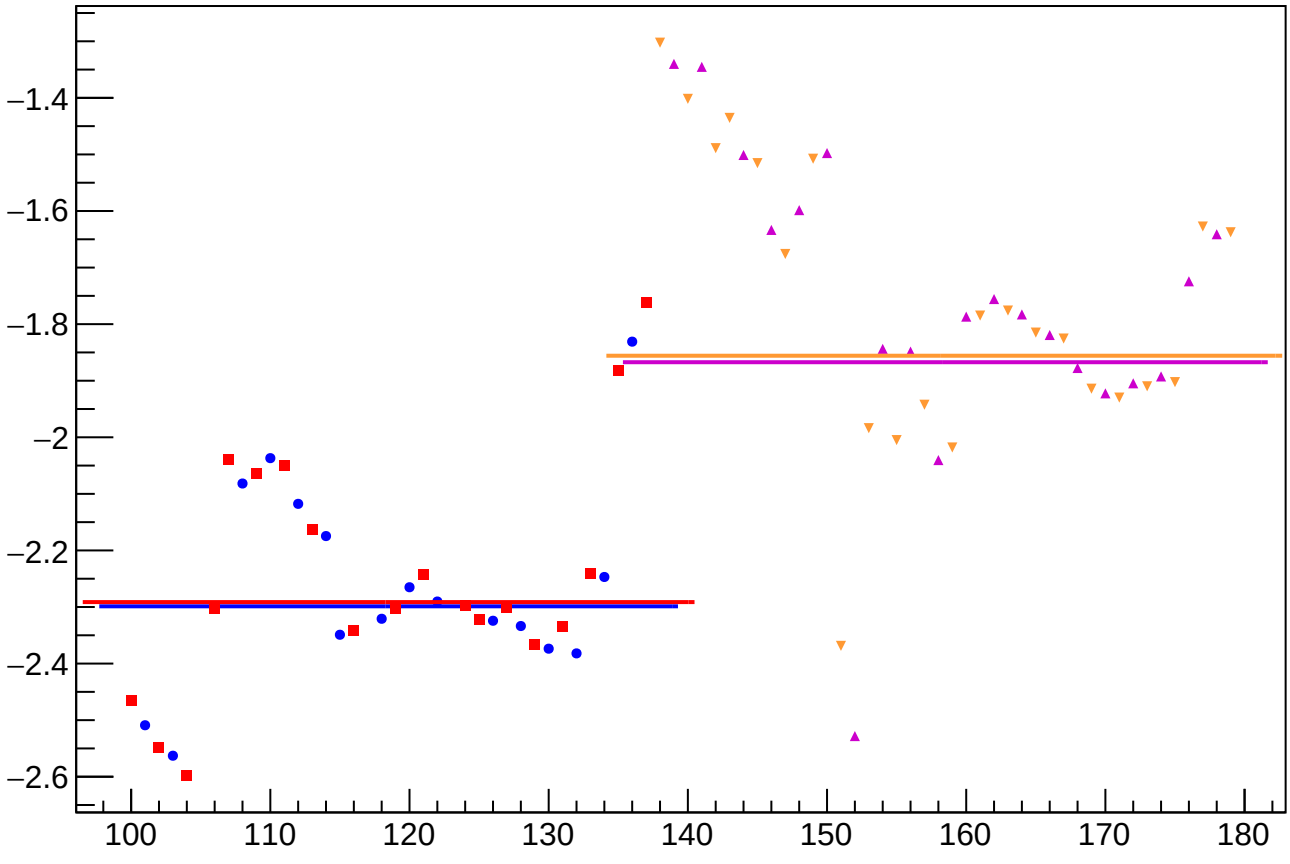
Right Out: 0.002+/-0.000 χ^2/NDF: 1546830.8/18

Left In: 0.002+/-0.000 χ^2/NDF:1399533.1/19

+ sign 0.002+/-0.000 χ^2/NDF: 2414074.7/37

All: 0.002+/-0.000 χ^2/NDF: 5369904.5/76

- sign 0.002+/-0.000 χ^2/NDF: 2947575.9/38



Right In: -2.299+/-0.000 χ^2/NDF: 6129071089.8/15

Left Out: -1.856+/-0.000 χ^2/NDF:33929552998.2/21

Right Out: -2.291+/-0.000 χ^2/NDF: 6831007568.9/18

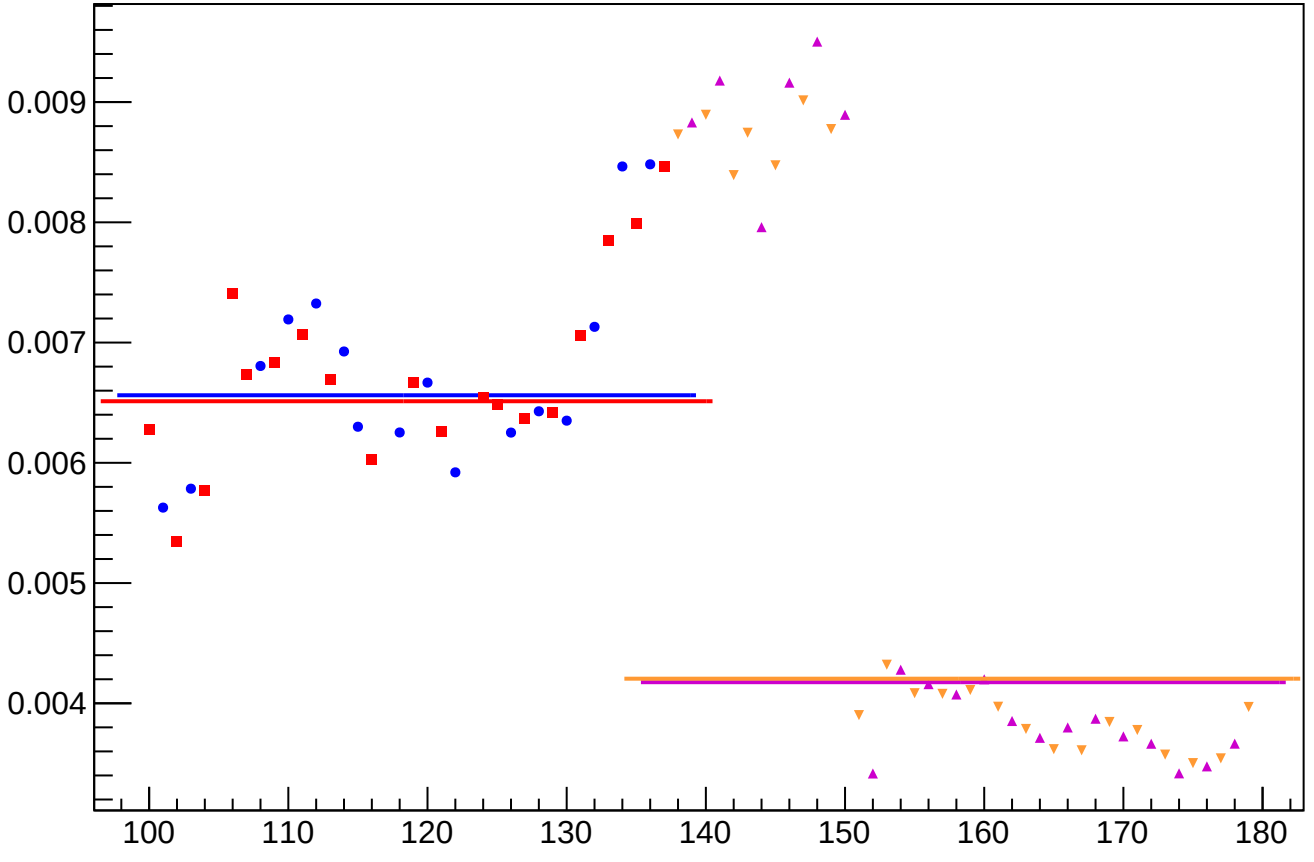
Left In: -1.867+/-0.000 χ^2/NDF:48059330129.2/19

+ sign -1.925+/-0.000 χ^2/NDF: 66662257076.3/37

All: -1.932+/-0.000 χ^2/NDF: 146628045396.4

- sign -1.940+/-0.000 χ^2/NDF: 79861213661.2/38

yield_bpm0i01aX_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 221890.3/15

Left Out: 0.004+/-0.000 χ^2/NDF:3088899.1/21

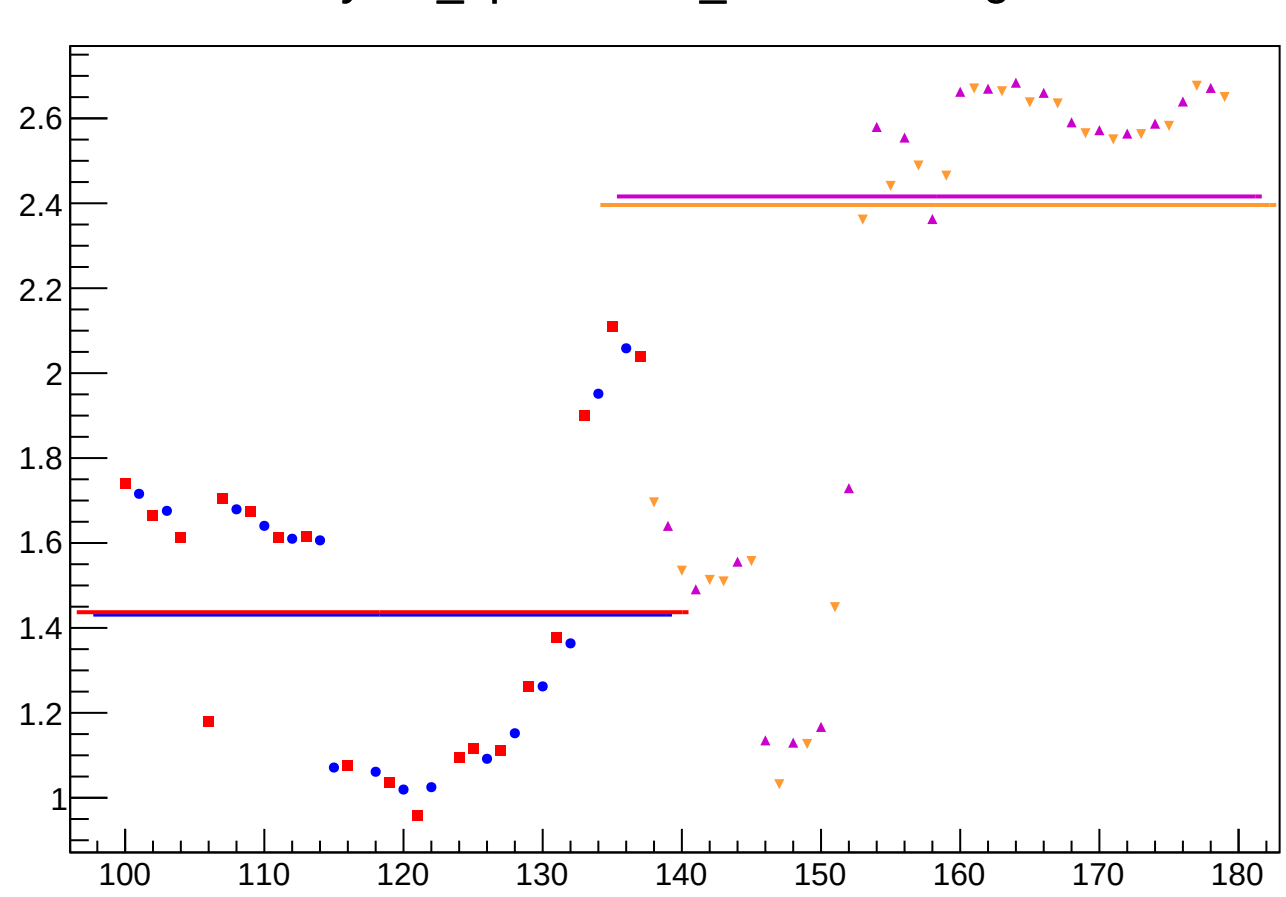
Right Out: 0.007+/-0.000 χ^2/NDF: 184961.7/18

Left In: 0.004+/-0.000 χ^2/NDF:3174500.3/19

+ sign 0.005+/-0.000 χ^2/NDF: 4817352.0/37

All: 0.005+/-0.000 χ^2/NDF: 9693227.9/76

- sign 0.005+/-0.000 χ^2/NDF: 4875875.9/38



Right In: 1.431+/-0.000 χ^2/NDF: 189180734956.1/15

Left Out: 2.396+/-0.000 χ^2/NDF:236314576335.0/21

Right Out: 1.437+/-0.000 χ^2/NDF: 182019221175.5/18

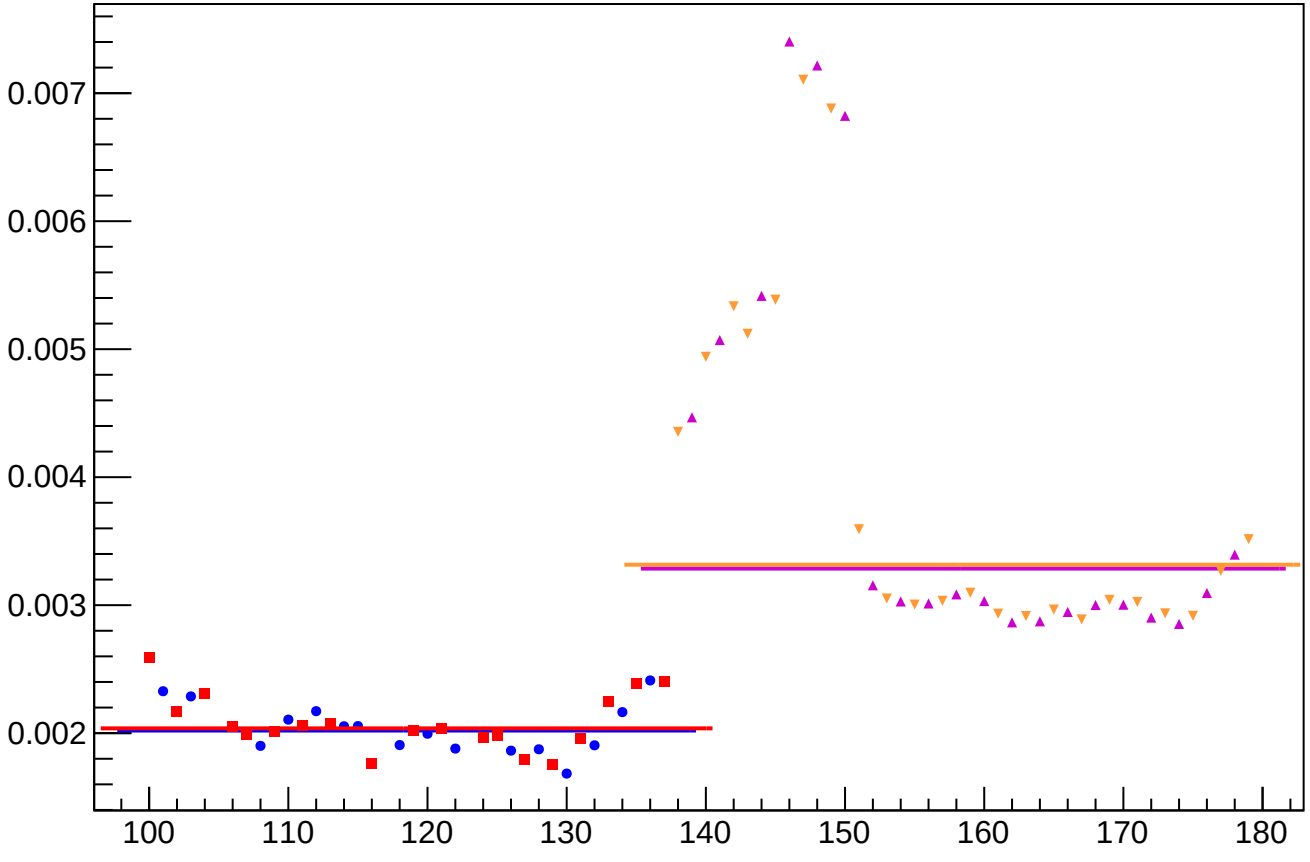
Left In: 2.416+/-0.000 χ^2/NDF:223684772361.3/19

+ sign 1.881+/-0.000 χ^2/NDF: 1130503746221.0/37

All: 1.879+/-0.000 χ^2/NDF: 2239405629194.

- sign 1.877+/-0.000 χ^2/NDF: 1108882267357.0/38

yield_bpm0i01aY_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 154923.3/15

Left Out: 0.003+/-0.000 χ^2/NDF:1773030.9/21

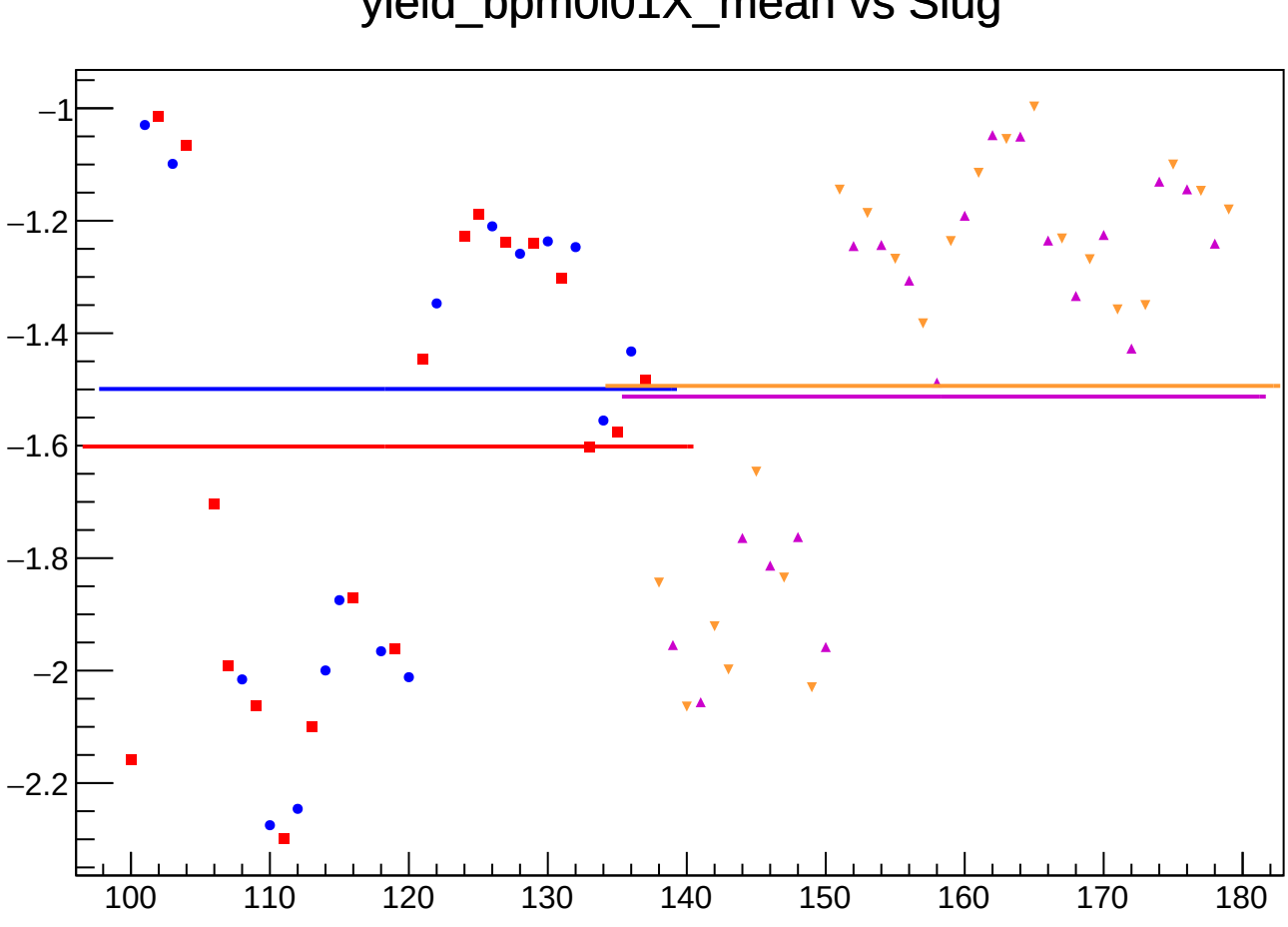
Right Out: 0.002+/-0.000 χ^2/NDF: 113640.4/18

Left In: 0.003+/-0.000 χ^2/NDF:2019482.8/19

+ sign 0.003+/-0.000 χ^2/NDF: 4471213.5/37

All: 0.003+/-0.000 χ^2/NDF: 8892694.7/76

- sign 0.003+/-0.000 χ^2/NDF: 4419522.8/38



Right In: -1.499+/-0.000 χ^2/NDF: 22930357522.2/15

Left Out: -1.494+/-0.000 χ^2/NDF:47948048178.4/21

Right Out: -1.601+/-0.000 χ^2/NDF: 28324914147.6/18

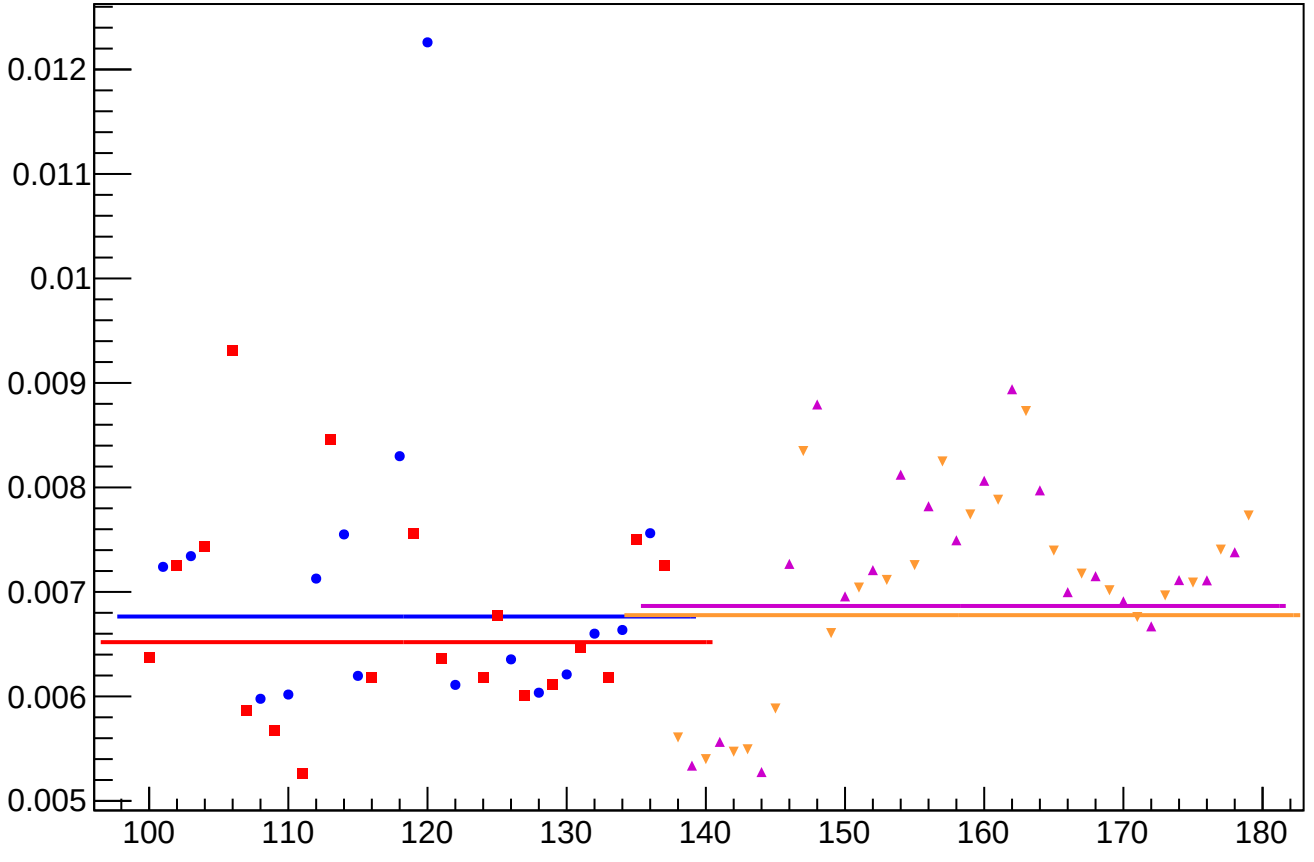
Left In: -1.513+/-0.000 χ^2/NDF:37009998321.2/19

+ sign -1.495+/-0.000 χ^2/NDF: 70881436274.6/37

All: -1.519+/-0.000 χ^2/NDF: 137612862829.4

- sign -1.543+/-0.000 χ^2/NDF: 66184235592.9/38

yield_bpm0l01X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 238566.1/15

Left Out: 0.007+/-0.000 χ^2/NDF:644469.2/21

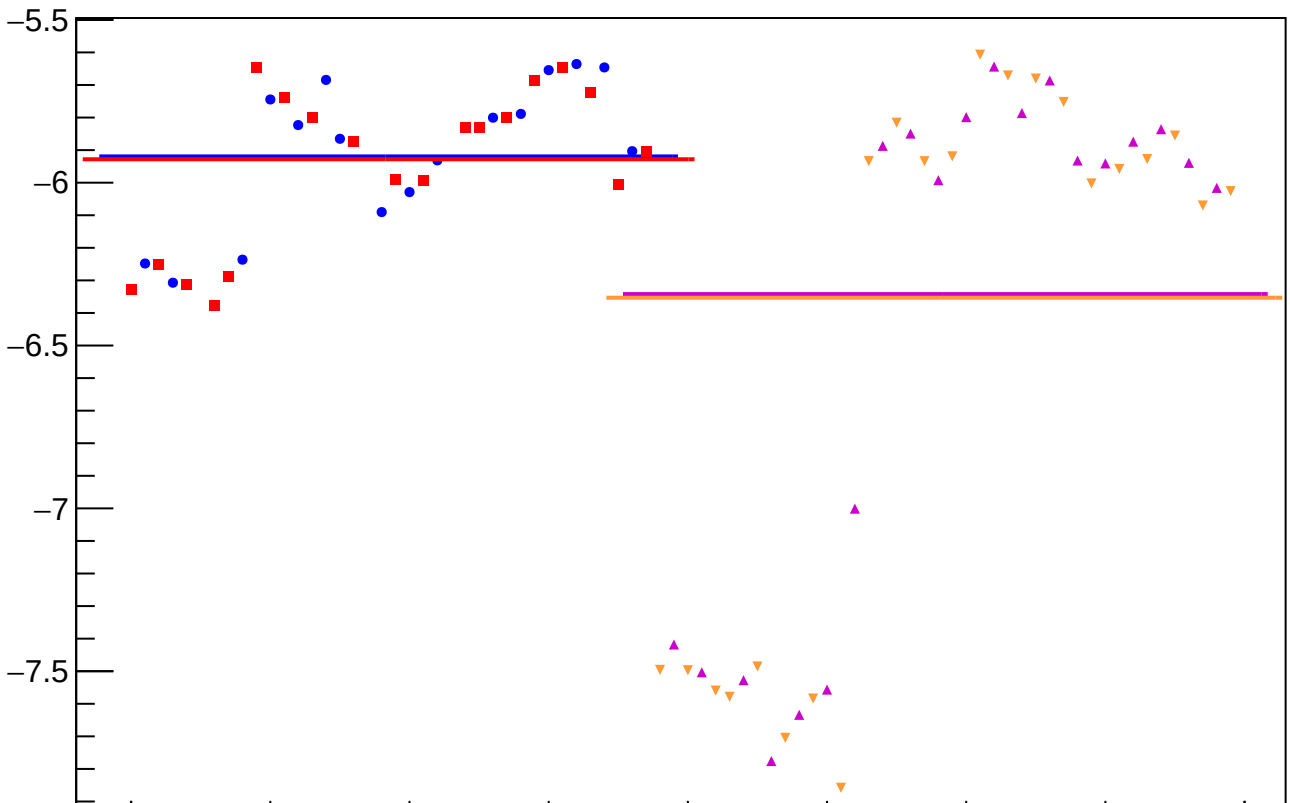
Right Out: 0.007+/-0.000 χ^2/NDF: 245428.1/18

Left In: 0.007+/-0.000 χ^2/NDF:692208.7/19

+ sign 0.007+/-0.000 χ^2/NDF: 883069.8/37

All: 0.007+/-0.000 χ^2/NDF: 1846849.0/76

- sign 0.007+/-0.000 χ^2/NDF: 963482.8/38



Right In: -5.919+/-0.000 χ^2/NDF: 11742457053.3/15

Left Out: -6.353+/-0.000 χ^2/NDF:108876056255.9/21

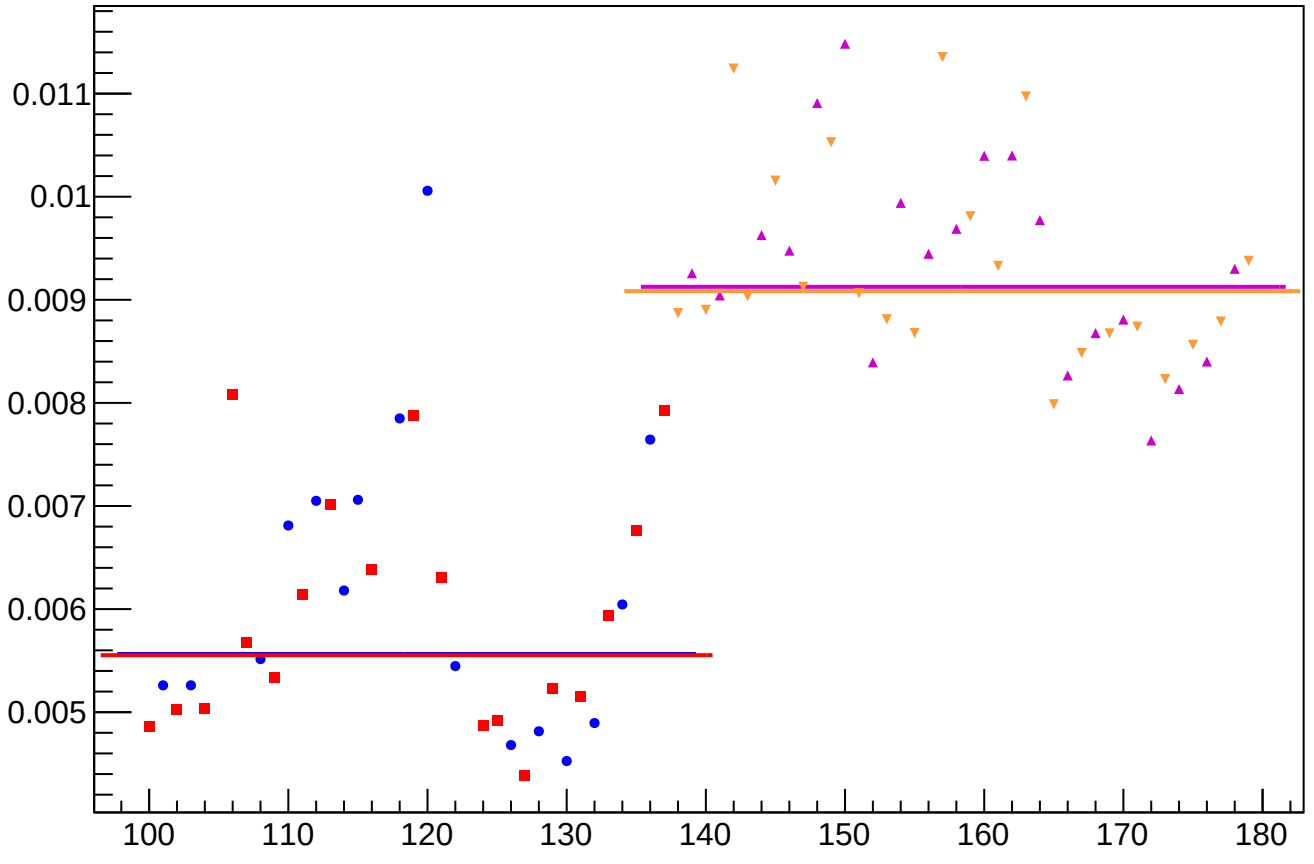
Right Out: -5.928+/-0.000 χ^2/NDF: 12641528579.2/18

Left In: -6.342+/-0.000 χ^2/NDF:90093453455.0/19

+ sign -6.124+/-0.000 χ^2/NDF: 138190376160.8/37

All: -6.116+/-0.000 χ^2/NDF: 256737130322.0

- sign -6.109+/-0.000 χ^2/NDF: 118505636915.0/38



Right In: 0.006+/-0.000 χ^2/NDF: 495546.3/15

Left Out: 0.009+/-0.000 χ^2/NDF:229650.4/21

Right Out: 0.006+/-0.000 χ^2/NDF: 364541.1/18

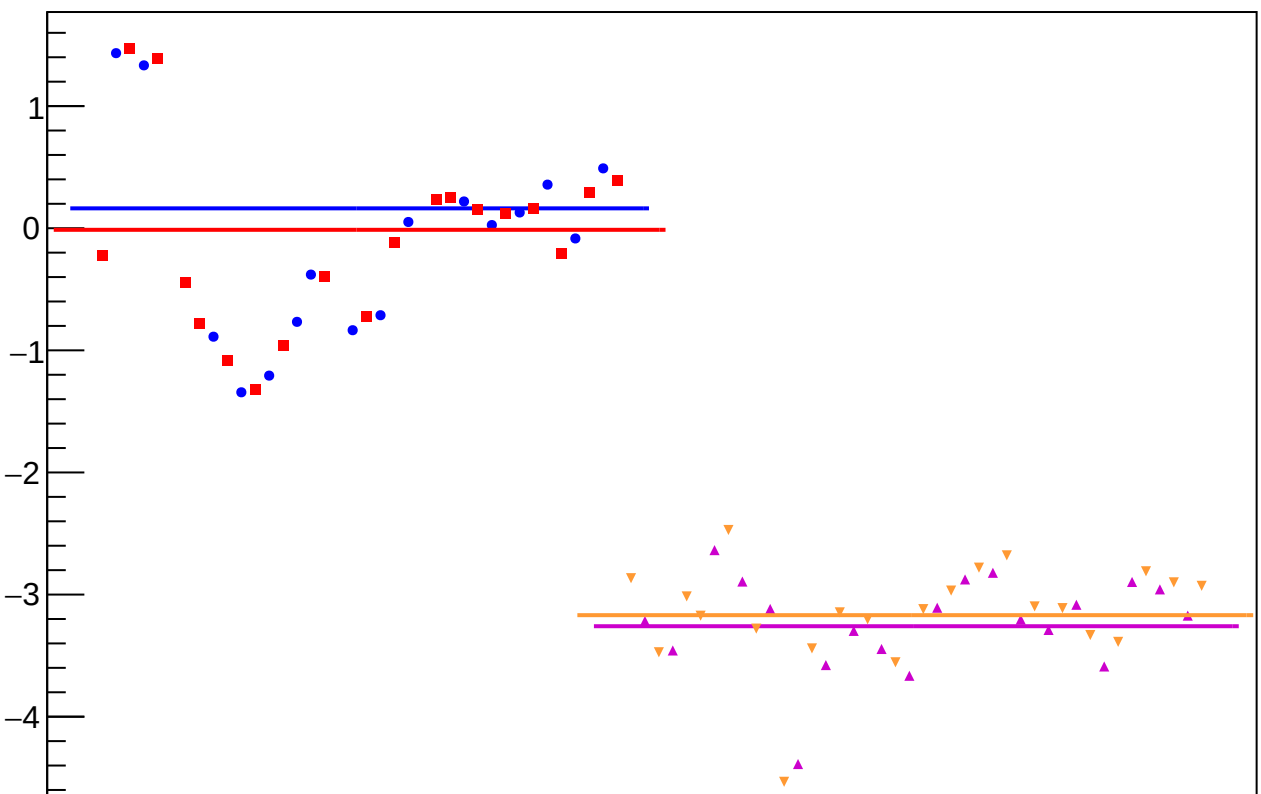
Left In: 0.009+/-0.000 χ^2/NDF:284258.9/19

+ sign 0.007+/-0.000 χ^2/NDF: 3038126.8/37

All: 0.007+/-0.000 χ^2/NDF: 6041487.5/76

- sign 0.007+/-0.000 χ^2/NDF: 2998980.6/38

yield_bpm0l02X_mean vs Slug



Right In: 0.163+/-0.000 χ^2/NDF: 17940034444.3/15

Left Out: -3.169+/-0.000 χ^2/NDF:9078247265.2/21

Right Out: -0.013+/-0.000 χ^2/NDF: 22484002798.8/18

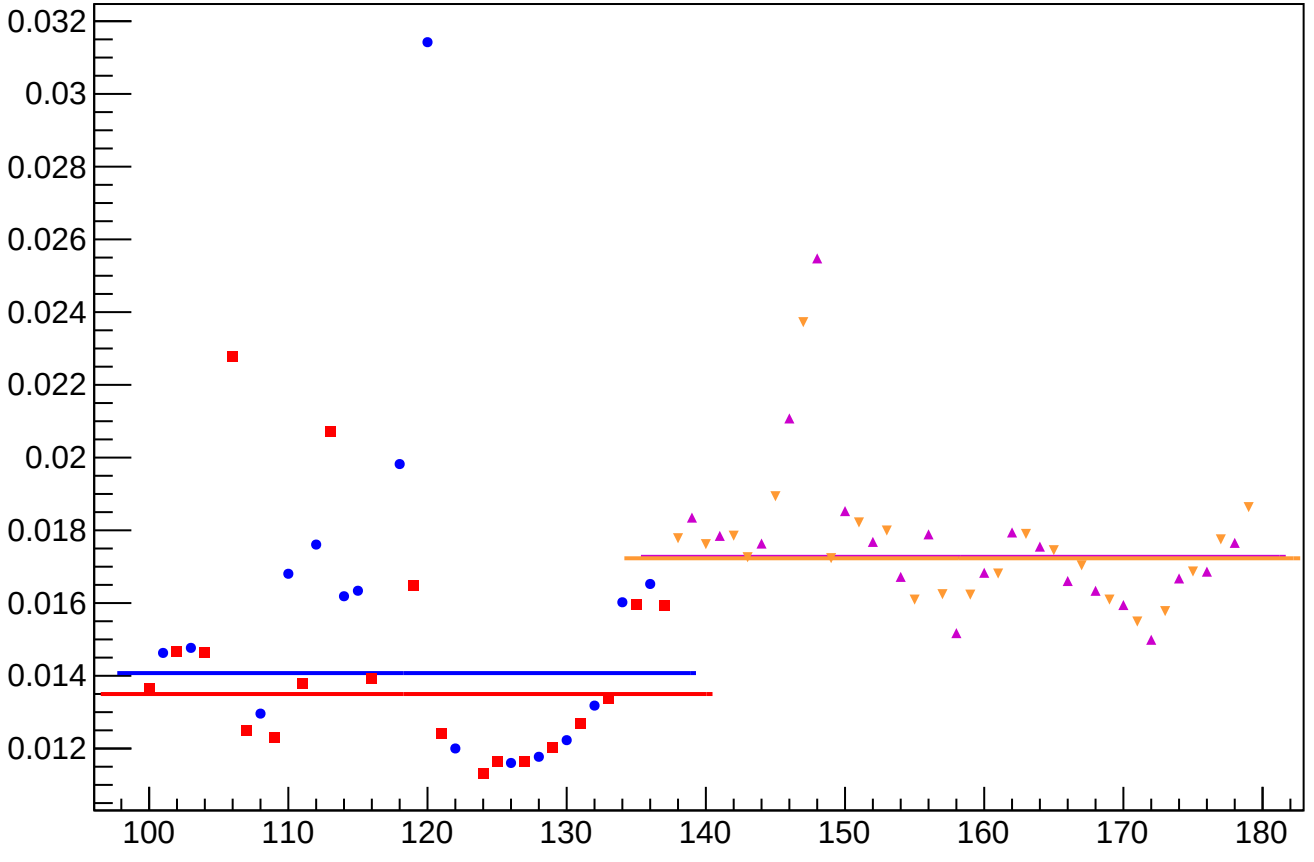
Left In: -3.259+/-0.000 χ^2/NDF:7441288620.4/19

+ sign -1.965+/-0.000 χ^2/NDF: 252700343444.8/37

All: -1.937+/-0.000 χ^2/NDF: 511531848737.

- sign -1.908+/-0.000 χ^2/NDF: 258687161507.6/38

yield_bpm0l02X_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 465421.6/15

Left Out: 0.017+/-0.000 χ^2/NDF:211332.3/21

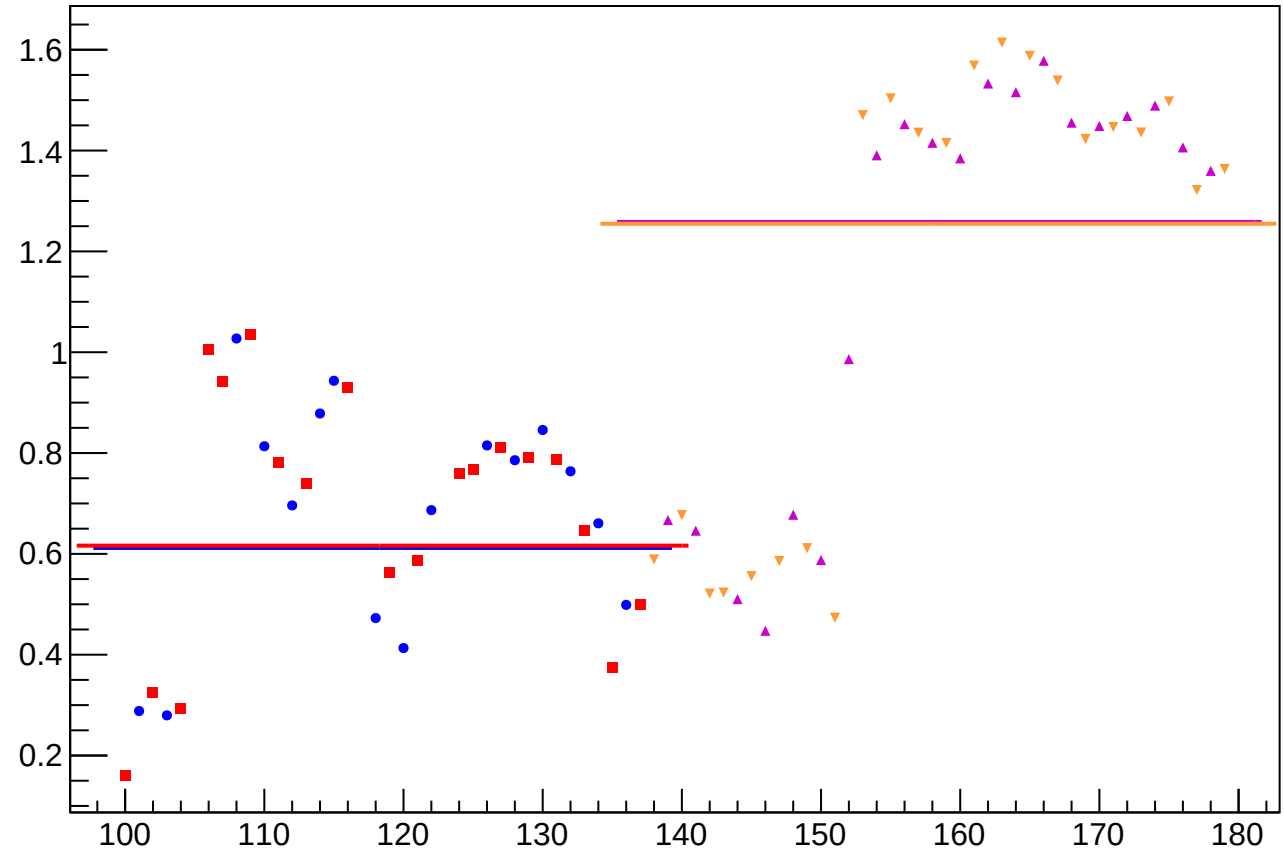
Right Out: 0.013+/-0.000 χ^2/NDF: 314810.3/18

Left In: 0.017+/-0.000 χ^2/NDF:323724.2/19

+ sign 0.016+/-0.000 χ^2/NDF: 1082021.8/37

All: 0.016+/-0.000 χ^2/NDF: 2351950.6/76

- sign 0.016+/-0.000 χ^2/NDF: 1256462.3/38



Right In: 0.612+/-0.000 χ^2/NDF: 5639014502.0/15

Left Out: 1.255+/-0.000 χ^2/NDF:45230445907.4/21

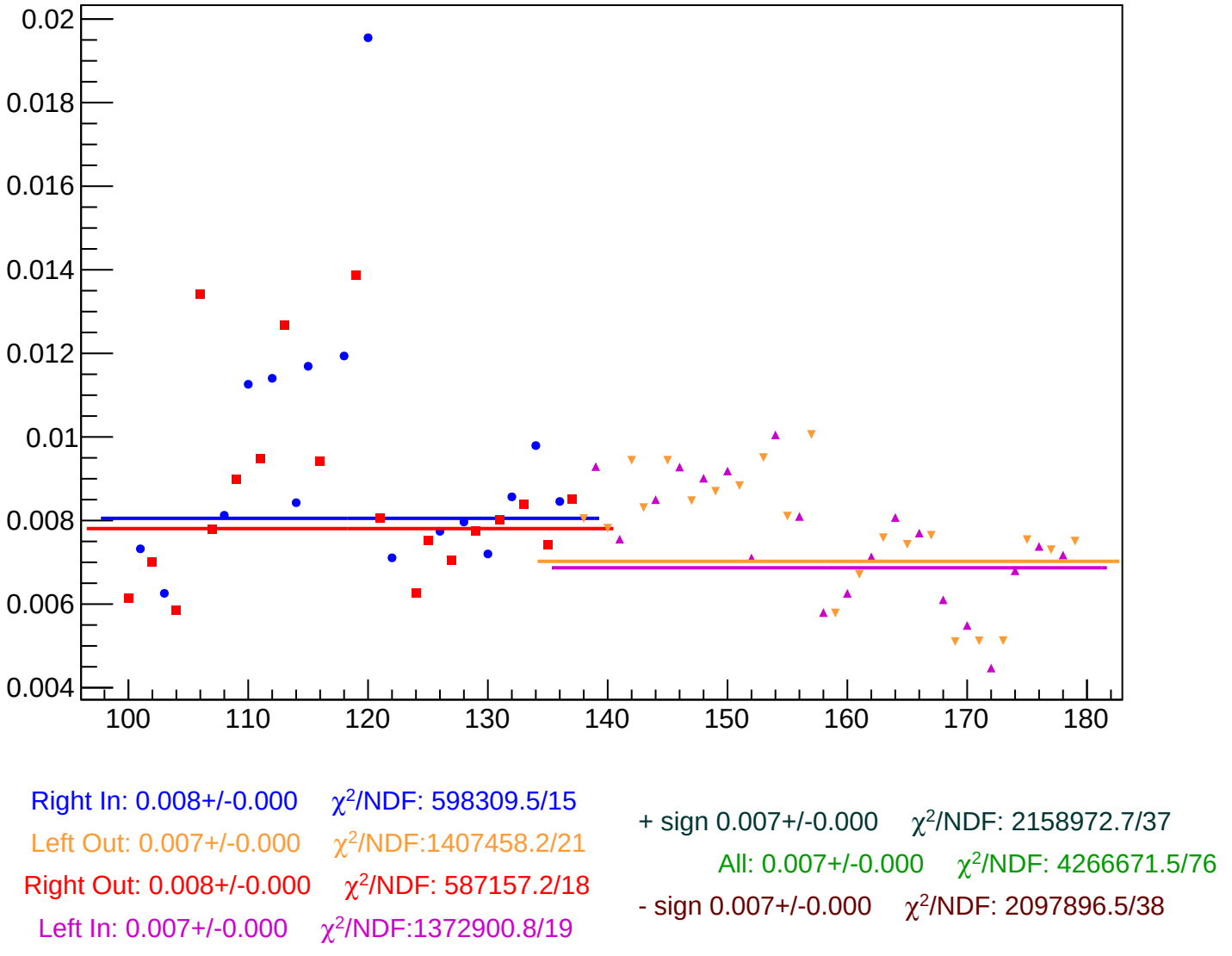
Right Out: 0.616+/-0.000 χ^2/NDF: 6419512040.7/18

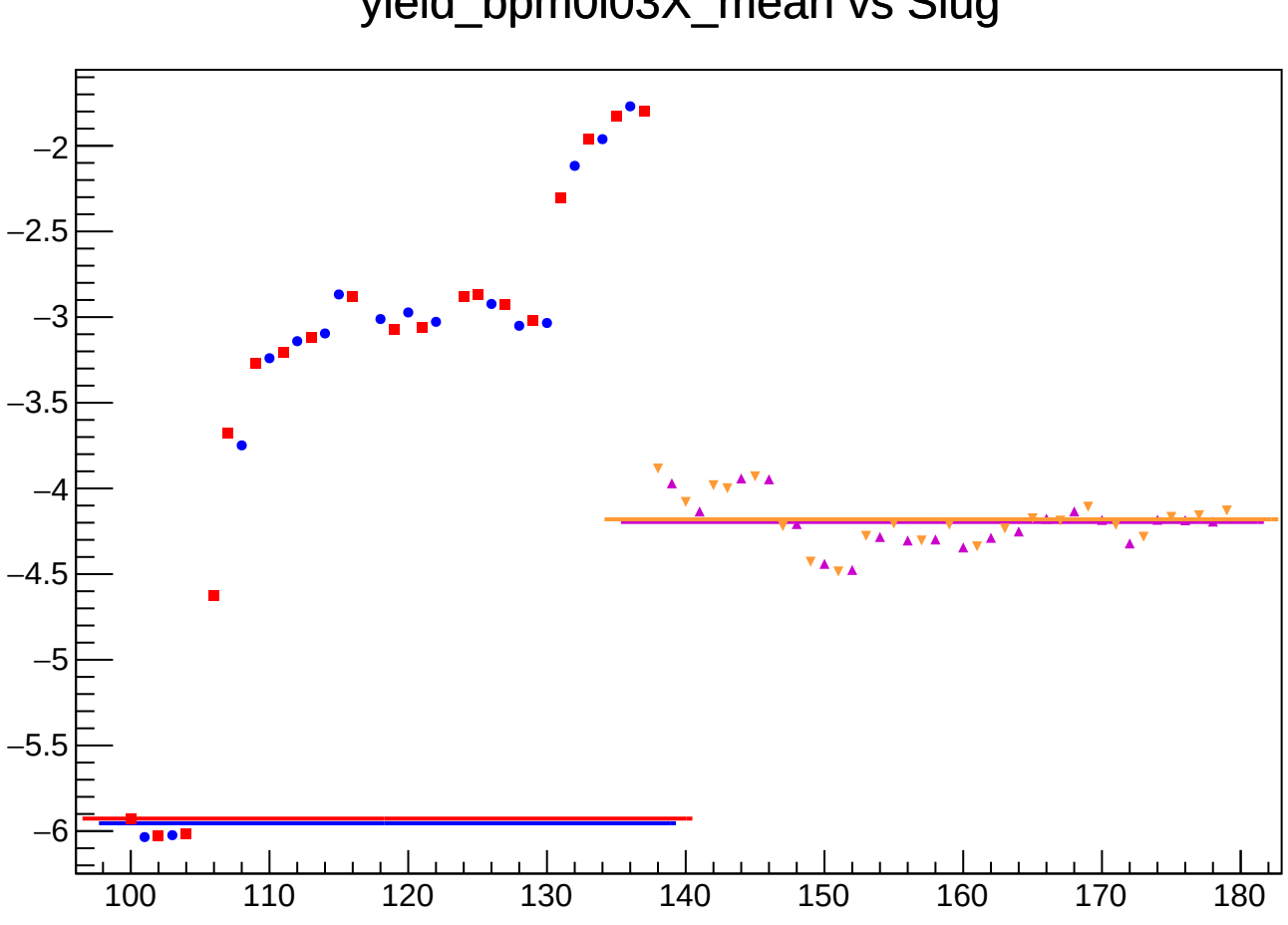
Left In: 1.259+/-0.000 χ^2/NDF:37361309402.9/19

+ sign 1.105+/-0.000 χ^2/NDF: 80809008253.9/37

All: 1.099+/-0.000 χ^2/NDF: 156870357118.2

- sign 1.094+/-0.000 χ^2/NDF: 76037614273.1/38


yield_bpm0l02Y_rms vs Slug
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
100
110
120
130
140
150
160
170
180
Right In: 0.008+/-0.000 χ²/NDF: 598309.5/15
Left Out: 0.007+/-0.000 χ²/NDF:1407458.2/21
Right Out: 0.008+/-0.000 χ²/NDF: 587157.2/18
Left In: 0.007+/-0.000 χ²/NDF:1372900.8/19
+ sign 0.007+/-0.000 χ²/NDF: 2158972.7/37
All: 0.007+/-0.000 χ²/NDF: 4266671.5/76
- sign 0.007+/-0.000 χ²/NDF: 2097896.5/38



Right In: -5.954+/-0.000 χ^2/NDF: 13099475661.5/15

Left Out: -4.180+/-0.000 χ^2/NDF:54130941.9/21

Right Out: -5.927+/-0.000 χ^2/NDF: 13922819741.5/18

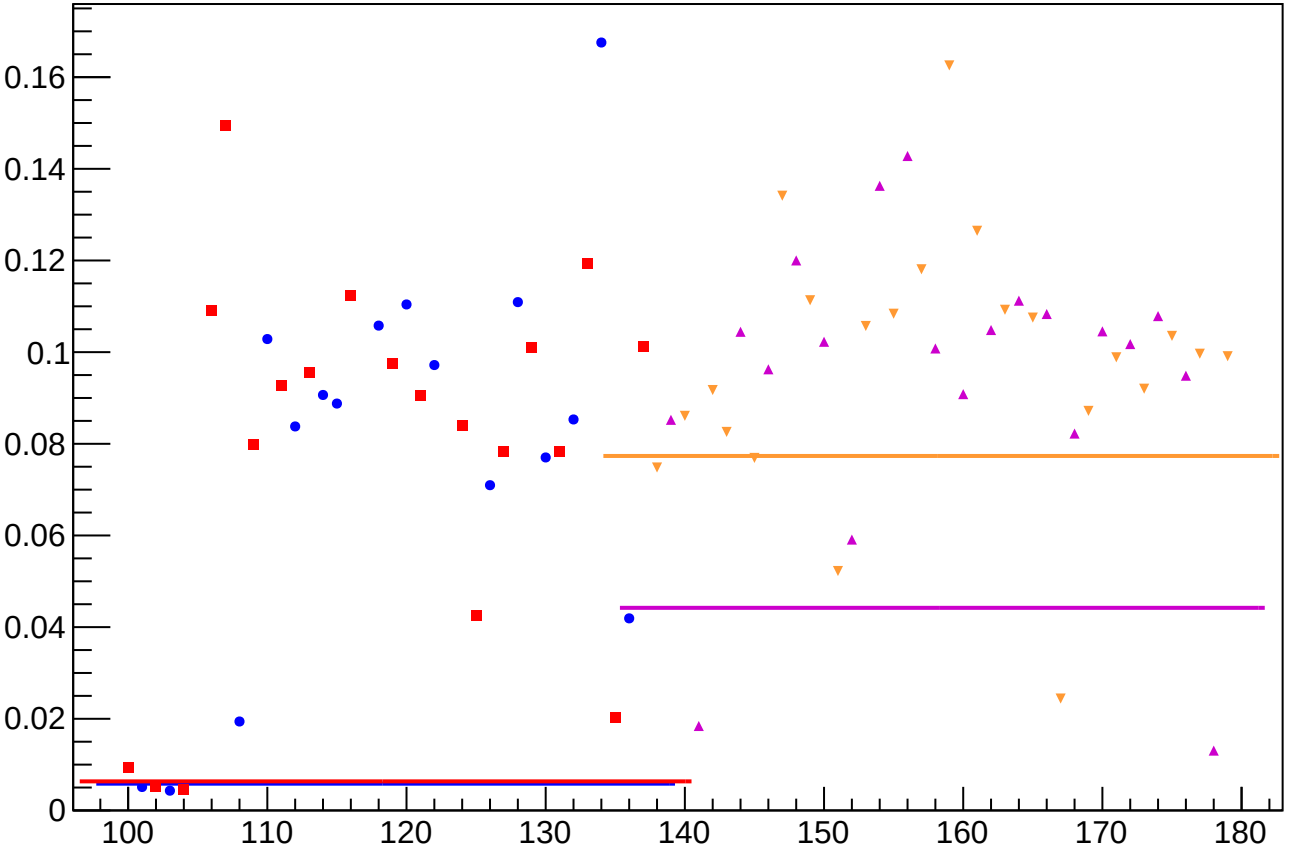
Left In: -4.196+/-0.000 χ^2/NDF:41541487.1/19

+ sign -5.885+/-0.000 χ^2/NDF: 19451382963.8/37

All: -5.842+/-0.000 χ^2/NDF: 43482706011.5/

- sign -5.792+/-0.000 χ^2/NDF: 23818251570.3/38

yield_bpm0l03X_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 8700553.3/15

Left Out: 0.077+/-0.000 χ^2/NDF:4673229.3/21

Right Out: 0.006+/-0.000 χ^2/NDF: 8751831.3/18

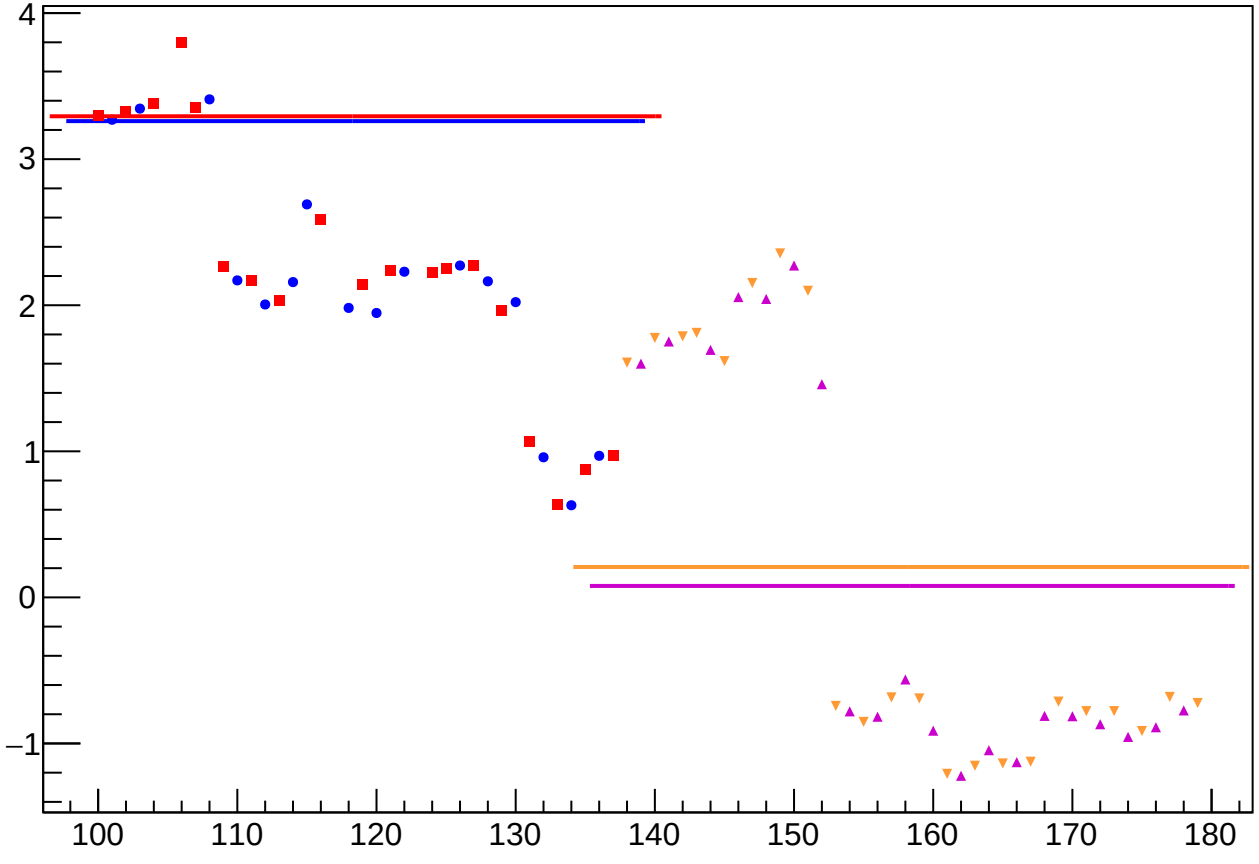
Left In: 0.044+/-0.000 χ^2/NDF:11928848.8/19

+ sign 0.009+/-0.000 χ^2/NDF: 33841600.7/37

All: 0.009+/-0.000 χ^2/NDF: 63973004.1/76

- sign 0.009+/-0.000 χ^2/NDF: 30109361.1/38

yield_bpm0l03Y_mean vs Slug



Right In: 3.260+/-0.000 χ^2/NDF: 3009624113.9/15

Left Out: 0.208+/-0.000 χ^2/NDF:3389597190.6/21

Right Out: 3.294+/-0.000 χ^2/NDF: 3243748149.8/18

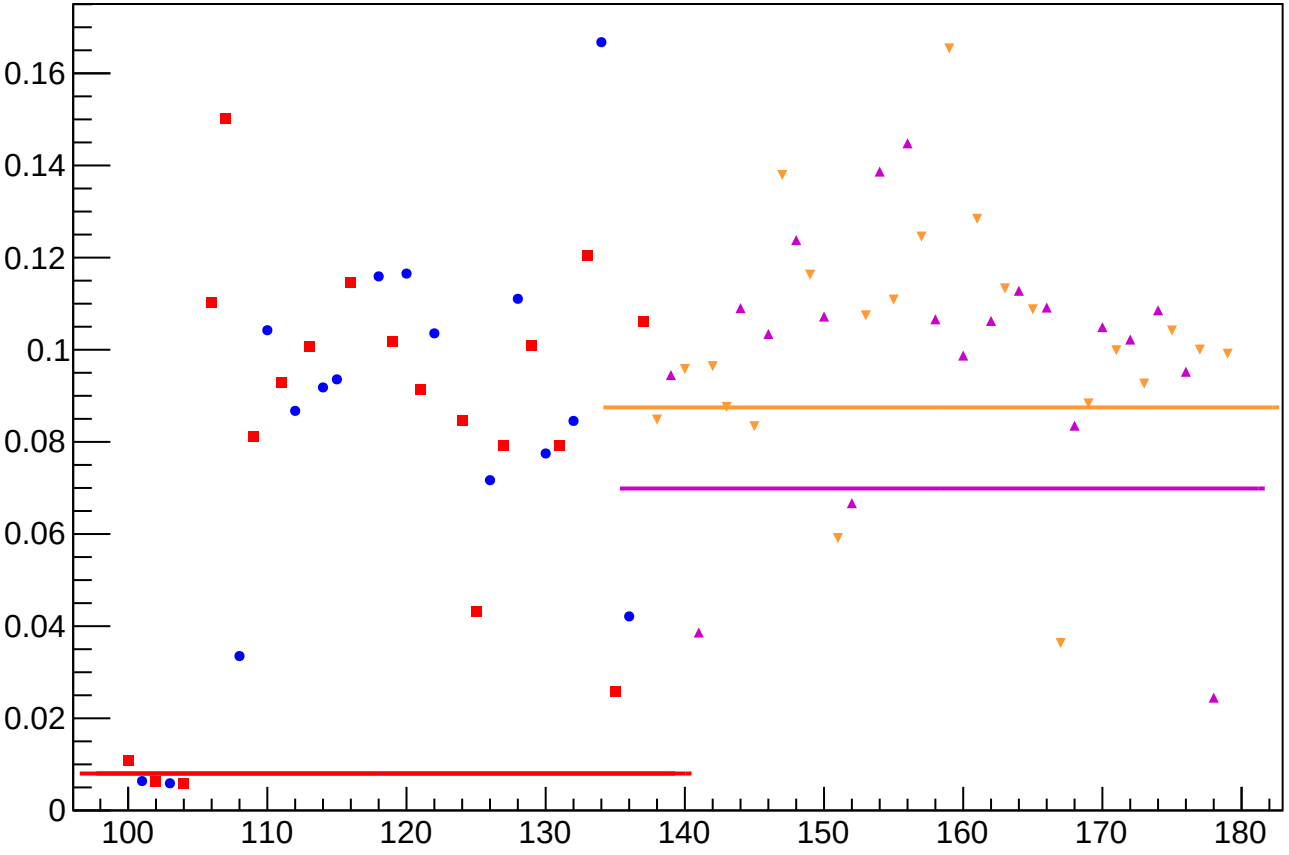
Left In: 0.078+/-0.000 χ^2/NDF:3294863356.9/19

+ sign 3.096+/-0.000 χ^2/NDF: 22003059887.7/37

All: 3.088+/-0.000 χ^2/NDF: 48722629918.7/7

- sign 3.079+/-0.000 χ^2/NDF: 26715154513.0/38

yield_bpm0l03Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 8415681.1/15

Left Out: 0.087+/-0.000 χ^2/NDF:2889507.0/21

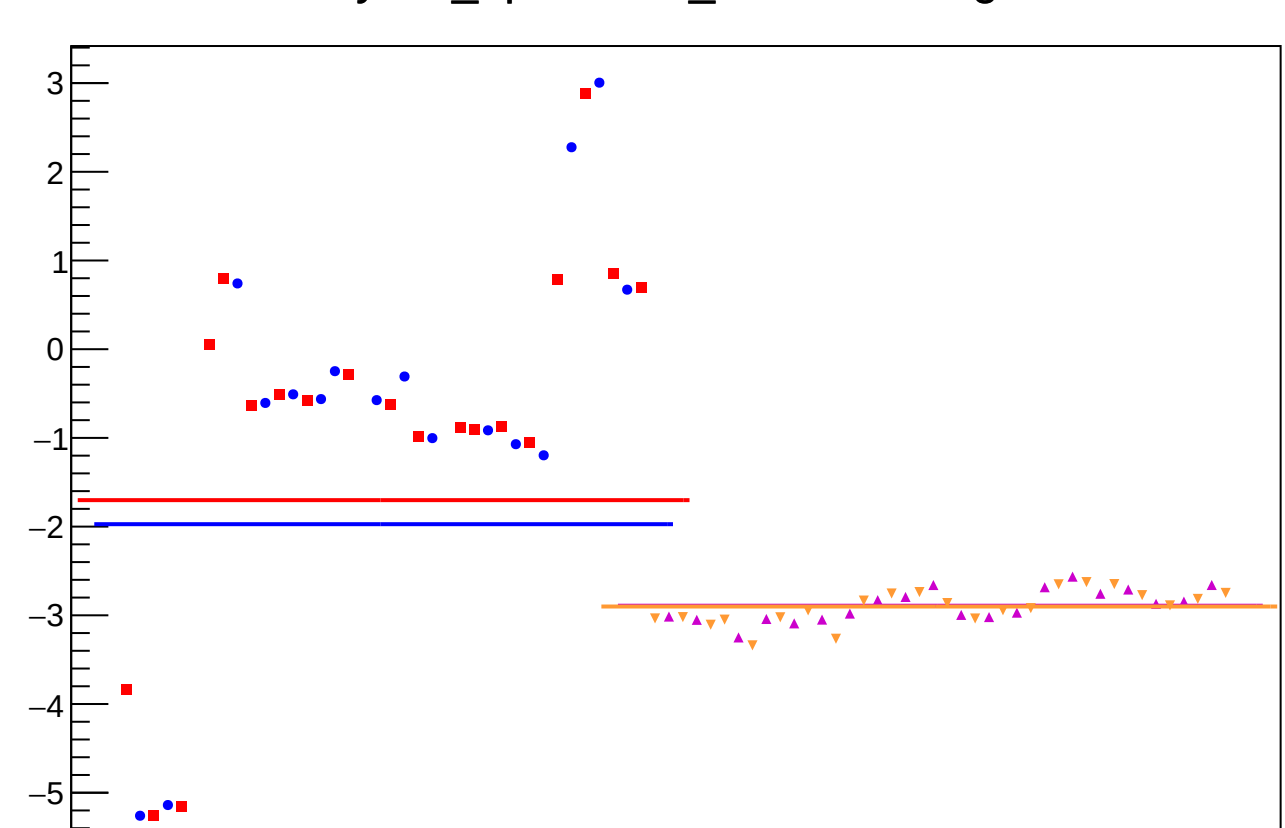
Right Out: 0.008+/-0.000 χ^2/NDF: 8542249.7/18

Left In: 0.070+/-0.000 χ^2/NDF:6190946.2/19

+ sign 0.012+/-0.000 χ^2/NDF: 32451267.4/37

All: 0.012+/-0.000 χ^2/NDF: 62123750.2/76

- sign 0.012+/-0.000 χ^2/NDF: 29671607.3/38



Right In: -1.973+/-0.000 χ^2/NDF: 161975701237.3/15

Left Out: -2.901+/-0.000 χ^2/NDF:9296155182.7/21

Right Out: -1.702+/-0.000 χ^2/NDF: 168156981746.0/18

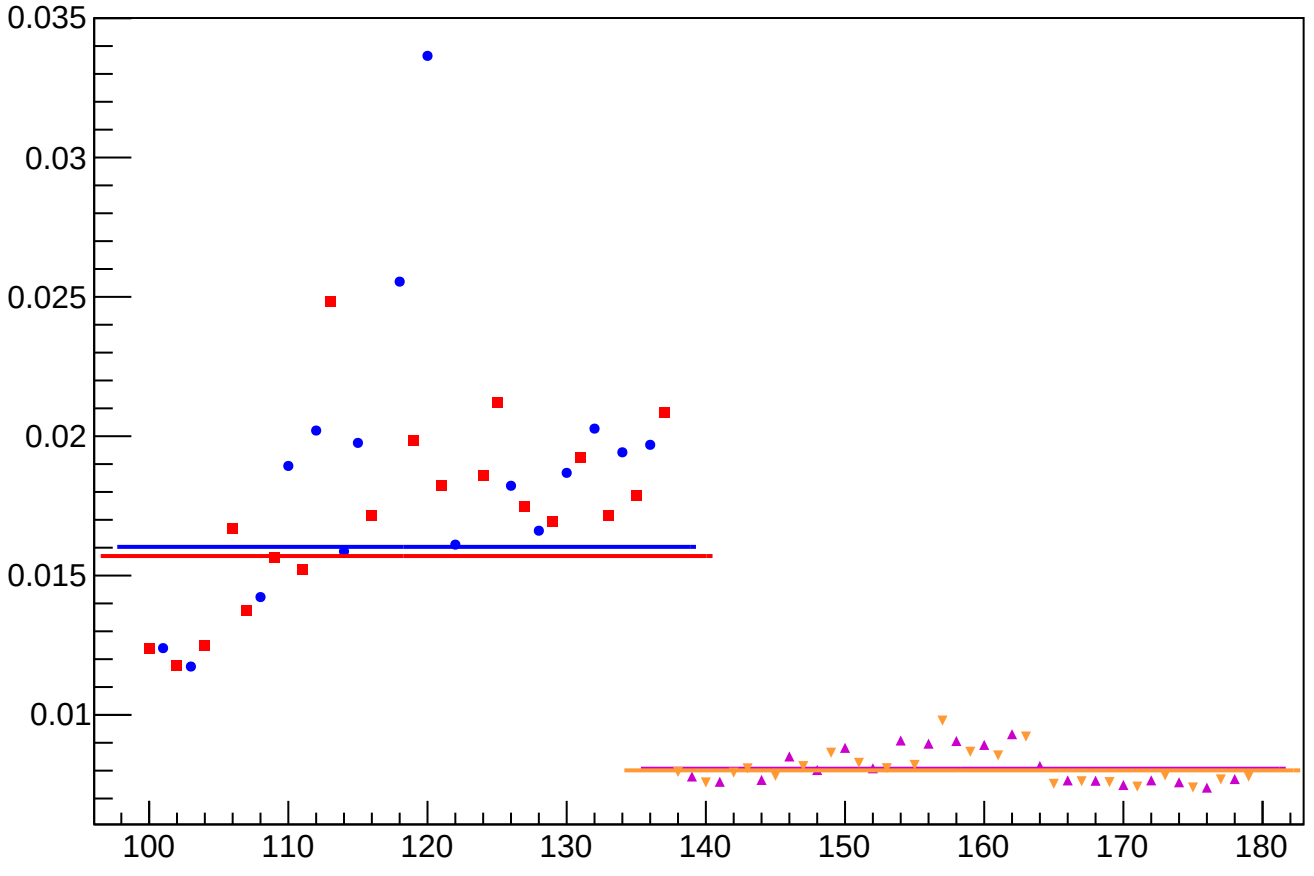
Left In: -2.892+/-0.000 χ^2/NDF:8017280971.8/19

+ sign -2.826+/-0.000 χ^2/NDF: 189219898473.4/37

All: -2.802+/-0.000 χ^2/NDF: 398765204979.1

- sign -2.776+/-0.000 χ^2/NDF: 209194660426.0/38

yield_bpm0l04X_rms vs Slug



Right In: 0.016+/-0.000 χ^2/NDF: 735736.8/15

Left Out: 0.008+/-0.000 χ^2/NDF:151182.2/21

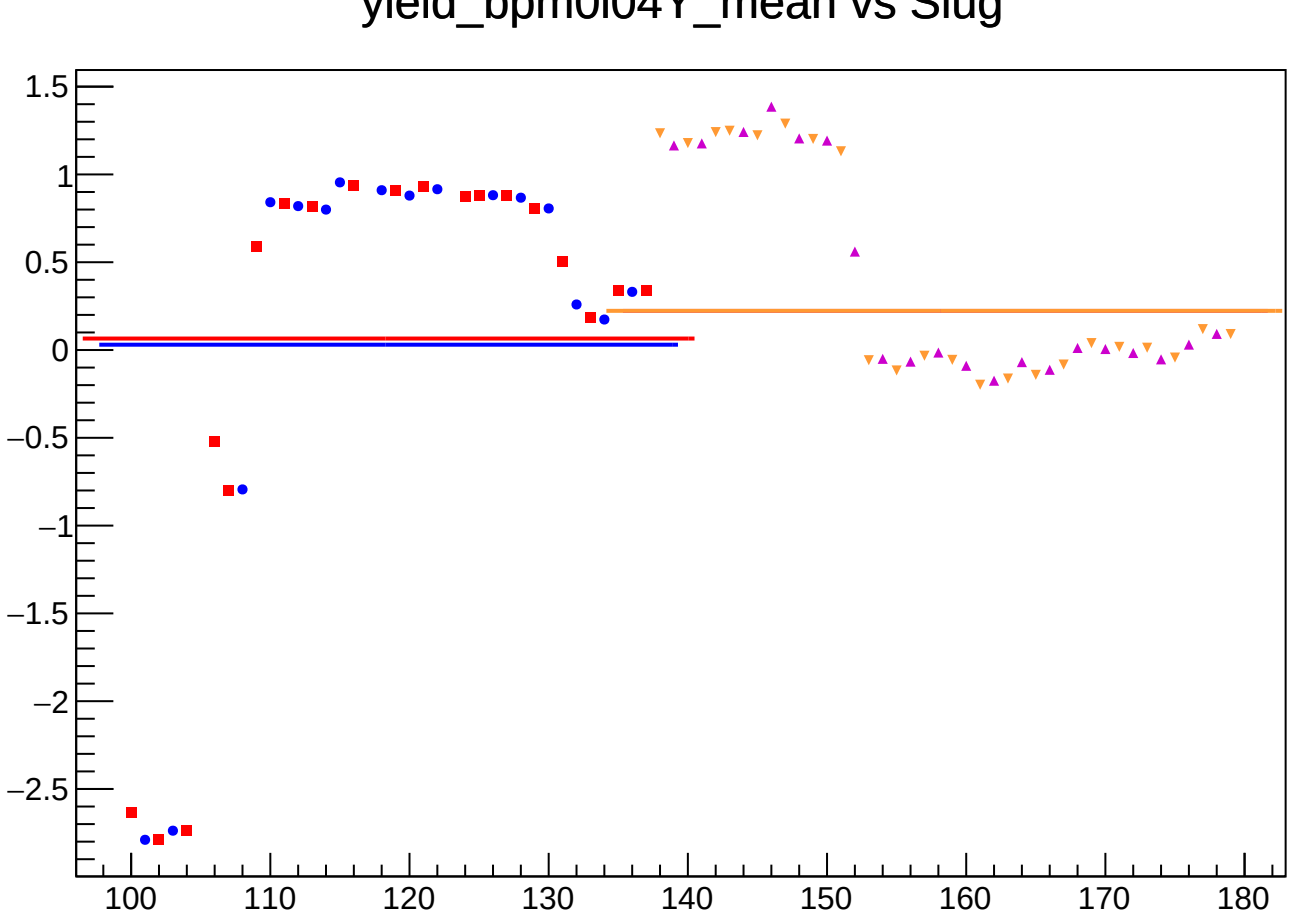
Right Out: 0.016+/-0.000 χ^2/NDF: 504766.0/18

Left In: 0.008+/-0.000 χ^2/NDF:171265.6/19

+ sign 0.009+/-0.000 χ^2/NDF: 3566938.2/37

All: 0.009+/-0.000 χ^2/NDF: 6964504.9/76

- sign 0.009+/-0.000 χ^2/NDF: 3390489.8/38



Right In: 0.030+/-0.000 χ^2/NDF: 851677270962.0/15

Left Out: 0.223+/-0.000 χ^2/NDF:102176225734.0/21

Right Out: 0.065+/-0.000 χ^2/NDF: 935478930138.7/18

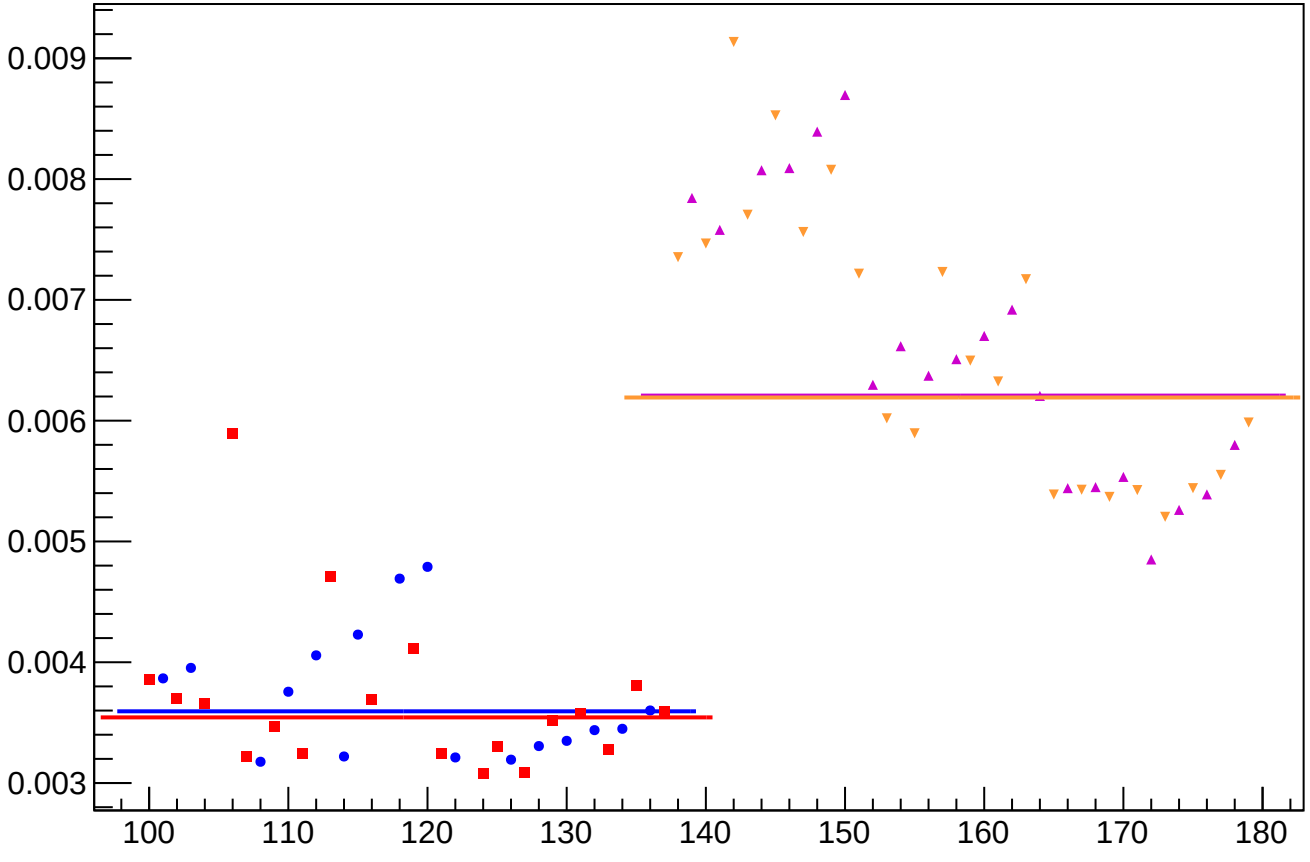
Left In: 0.222+/-0.000 χ^2/NDF:86387866688.2/19

+ sign 0.113+/-0.000 χ^2/NDF: 962171865563.2/37

All: 0.120+/-0.000 χ^2/NDF: 1989576291273.

- sign 0.127+/-0.000 χ^2/NDF: 1027311633195.1/38

yield_bpm0l04Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 180415.0/15

Left Out: 0.006+/-0.000 χ^2/NDF:729118.8/21

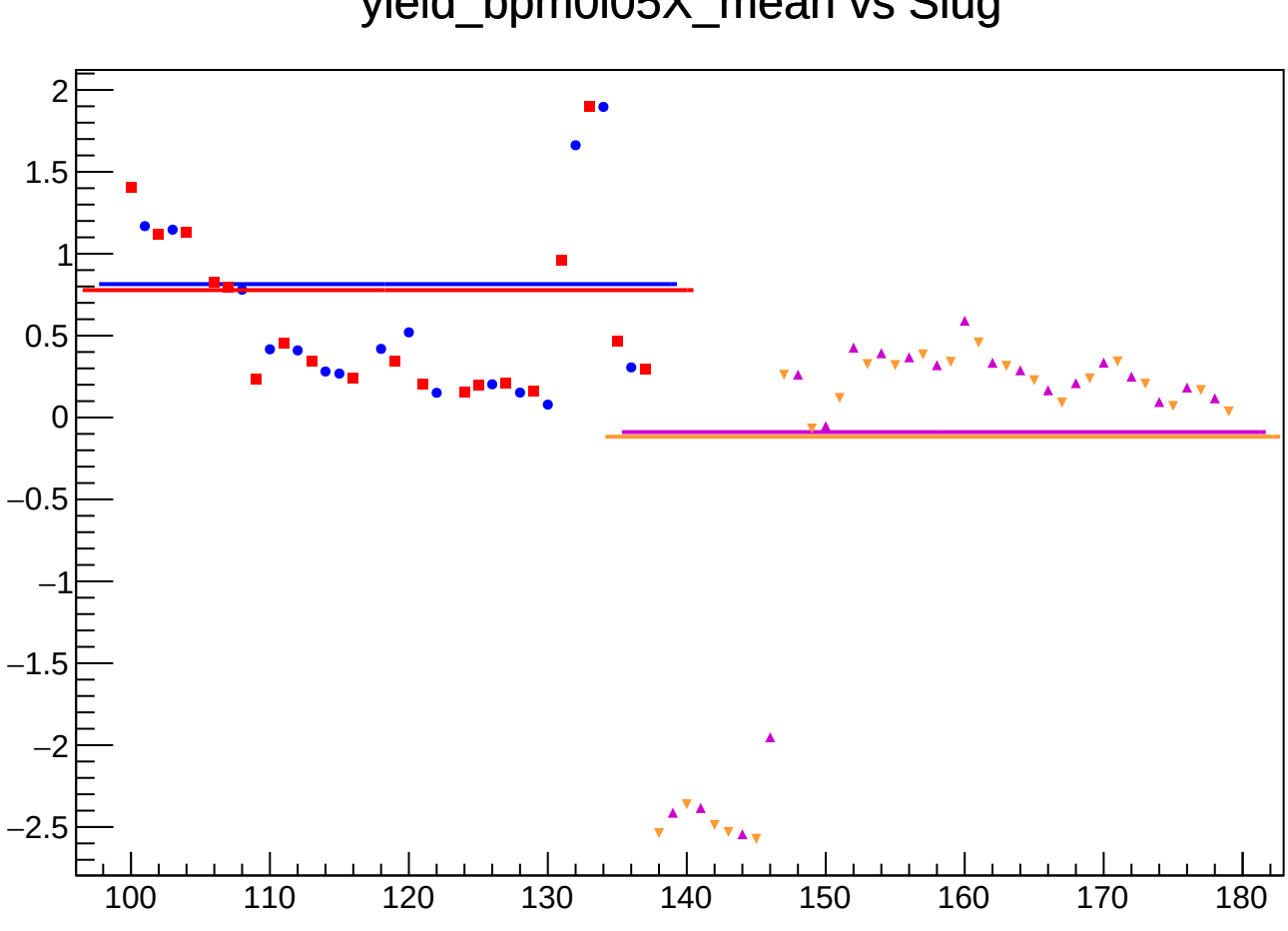
Right Out: 0.004+/-0.000 χ^2/NDF: 224729.1/18

Left In: 0.006+/-0.000 χ^2/NDF:800273.6/19

+ sign 0.005+/-0.000 χ^2/NDF: 3928236.1/37

All: 0.005+/-0.000 χ^2/NDF: 8095574.6/76

- sign 0.005+/-0.000 χ^2/NDF: 4155058.3/38



Right In: 0.814+/-0.000 χ^2/NDF: 35412149008.2/15

Left Out: -0.117+/-0.000 χ^2/NDF:381865712369.0/21

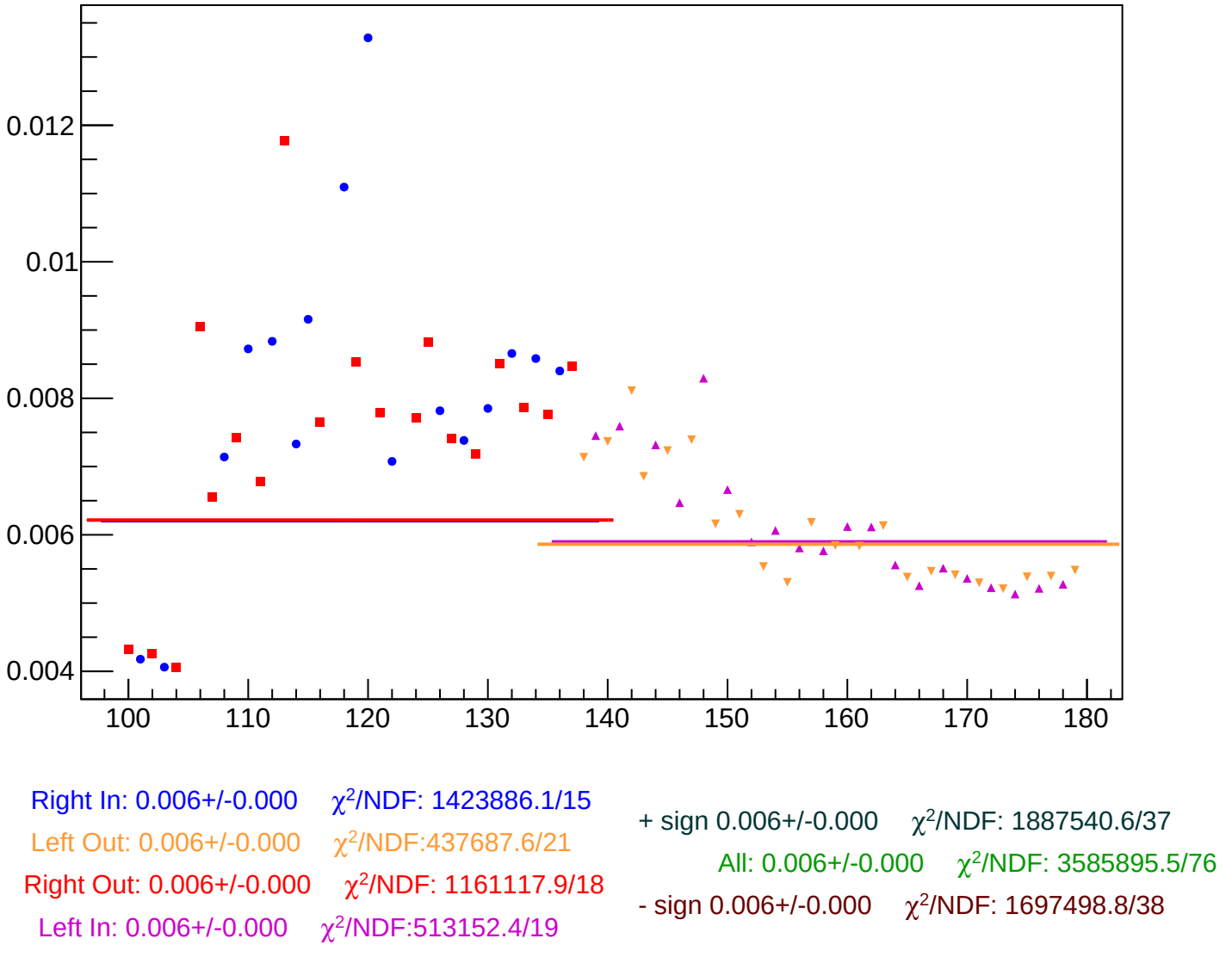
Right Out: 0.778+/-0.000 χ^2/NDF: 34603328062.2/18

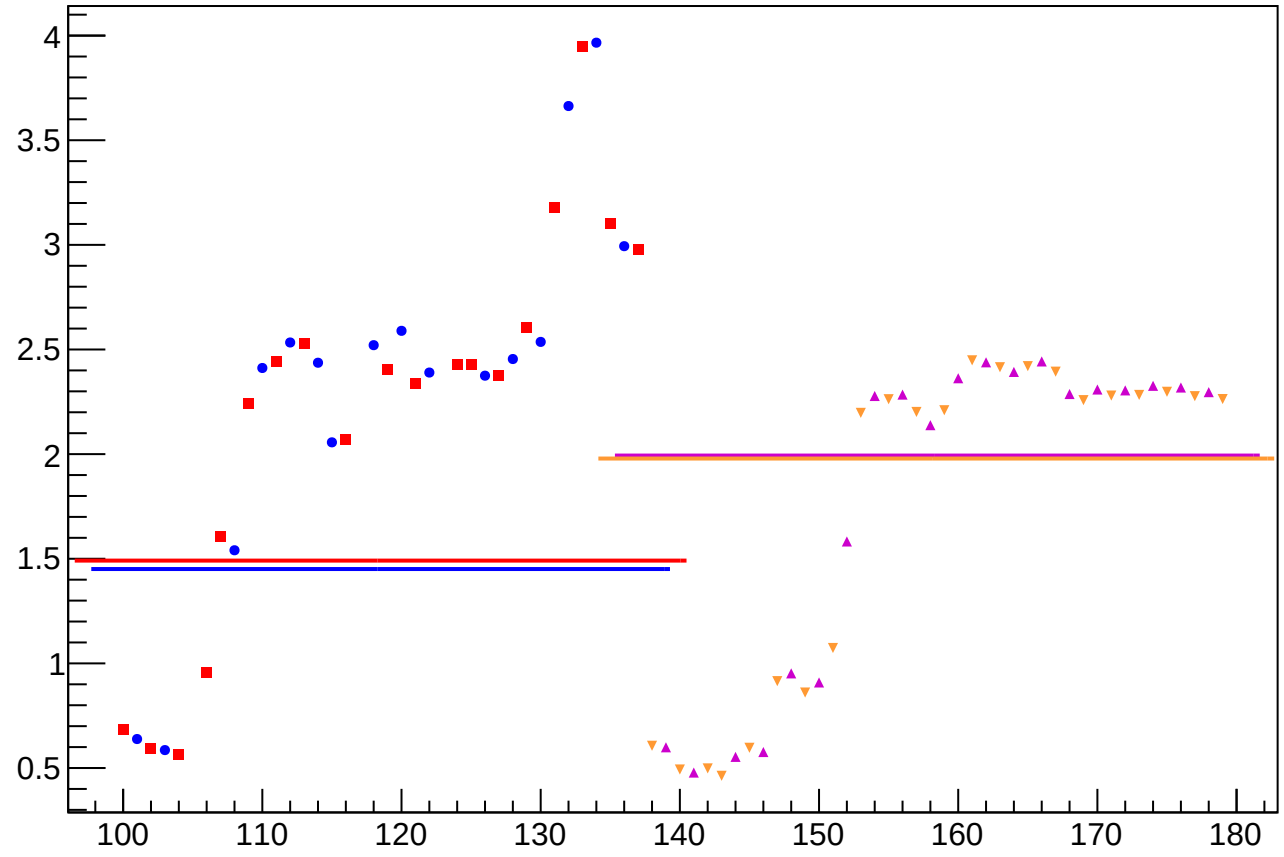
Left In: -0.089+/-0.000 χ^2/NDF:342678848938.8/19

+ sign 0.105+/-0.000 χ^2/NDF: 512575627043.1/37

All: 0.123+/-0.000 χ^2/NDF: 975892813799.3

- sign 0.142+/-0.000 χ^2/NDF: 462911108122.0/38


yield_bpm0l05X_rms vs Slug
0.012
0.01
0.008
0.006
0.004
100
110
120
130
140
150
160
170
180
Right In: 0.006+/-0.000 χ²/NDF: 1423886.1/15
Left Out: 0.006+/-0.000 χ²/NDF:437687.6/21
Right Out: 0.006+/-0.000 χ²/NDF: 1161117.9/18
Left In: 0.006+/-0.000 χ²/NDF:513152.4/19
+ sign 0.006+/-0.000 χ²/NDF: 1887540.6/37
All: 0.006+/-0.000 χ²/NDF: 3585895.5/76
- sign 0.006+/-0.000 χ²/NDF: 1697498.8/38



Right In: 1.451+/-0.000 χ^2/NDF: 169635774704.4/15

Left Out: 1.979+/-0.000 χ^2/NDF:215426985559.2/21

Right Out: 1.491+/-0.000 χ^2/NDF: 186952709821.0/18

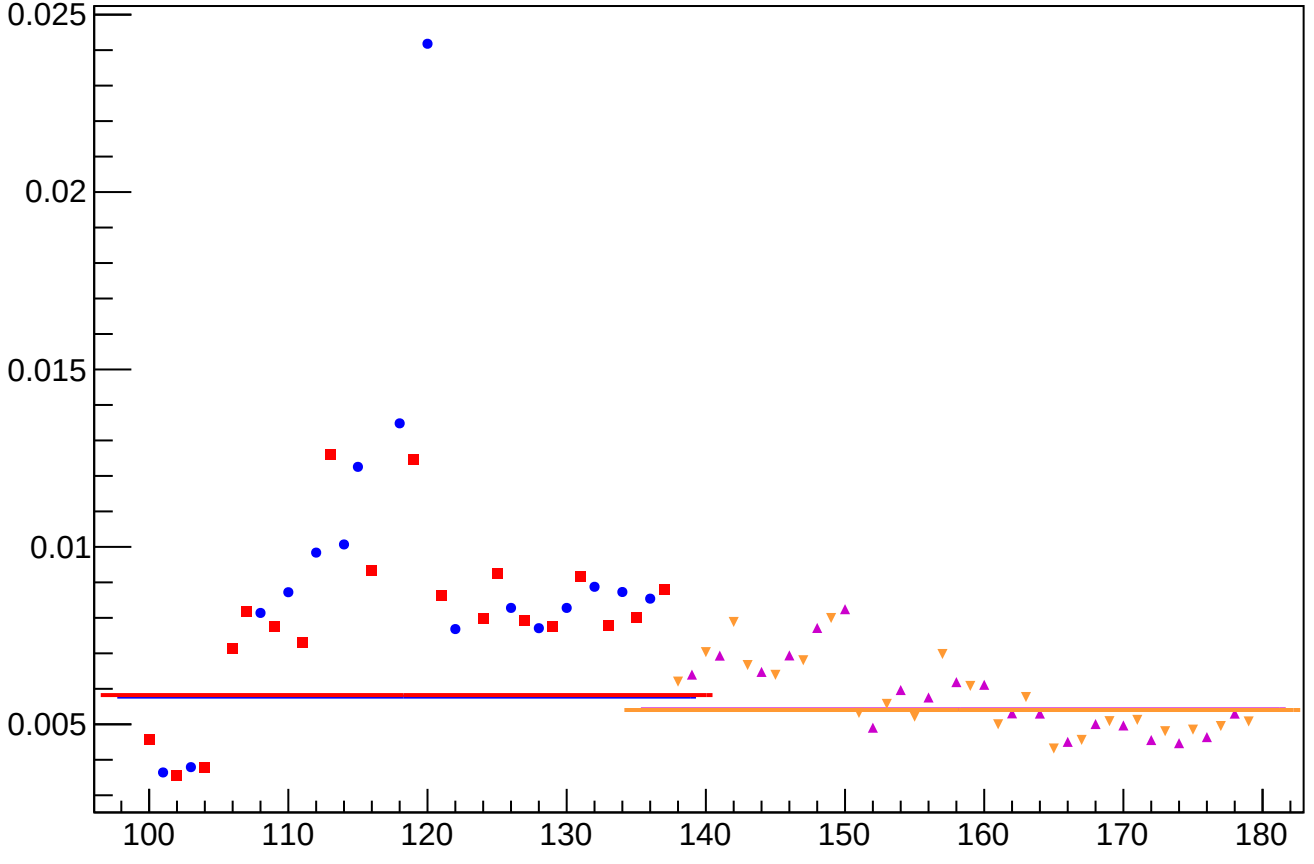
Left In: 1.993+/-0.000 χ^2/NDF:189979901795.6/19

+ sign 1.858+/-0.000 χ^2/NDF: 417274667386.0/37

All: 1.861+/-0.000 χ^2/NDF: 824438331137.3

- sign 1.864+/-0.000 χ^2/NDF: 407151532441.1/38

yield_bpm0l05Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 2213885.3/15

Left Out: 0.005+/-0.000 χ^2/NDF:709447.7/21

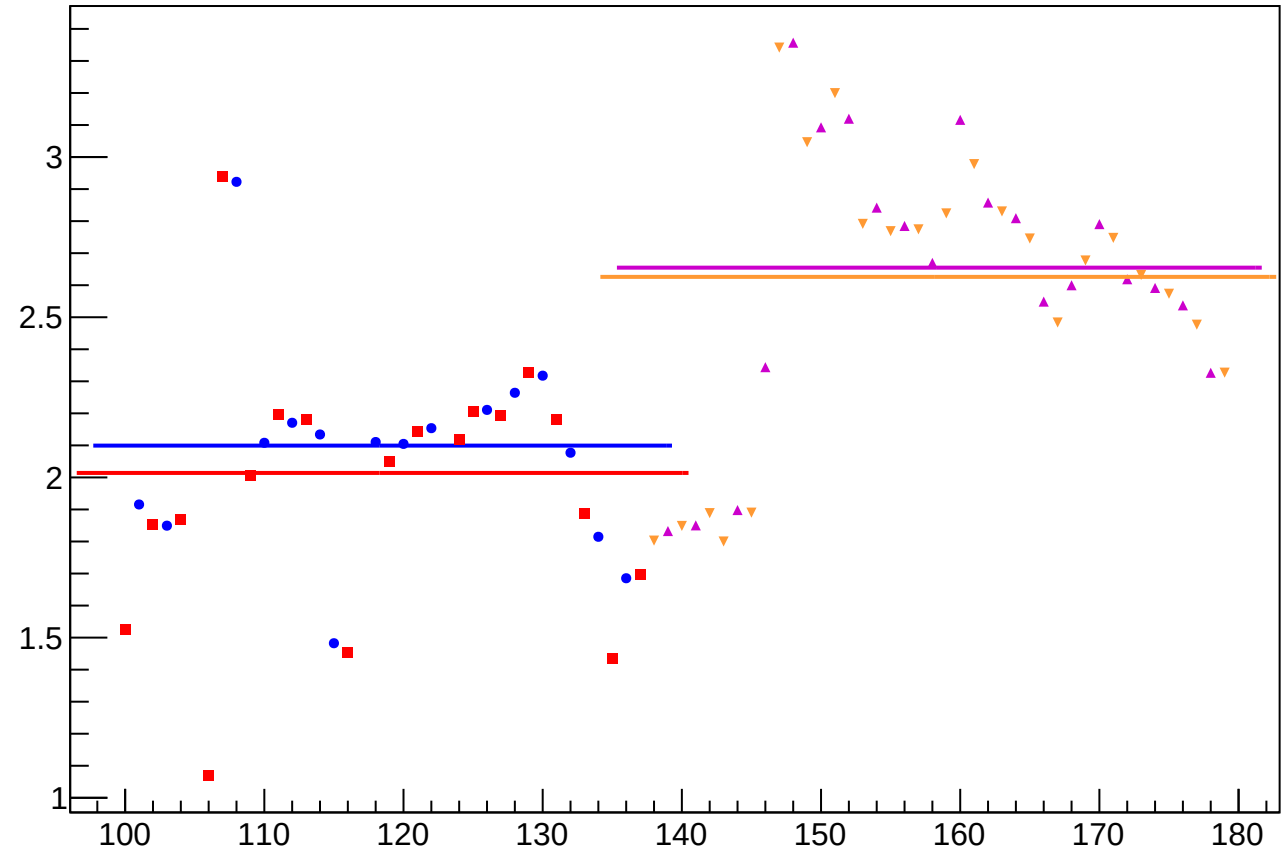
Right Out: 0.006+/-0.000 χ^2/NDF: 1955751.4/18

Left In: 0.005+/-0.000 χ^2/NDF:781914.1/19

+ sign 0.005+/-0.000 χ^2/NDF: 2956219.9/37

All: 0.006+/-0.000 χ^2/NDF: 5733757.1/76

- sign 0.006+/-0.000 χ^2/NDF: 2776793.0/38



Right In: 2.099+/-0.000 χ^2/NDF: 13928556396.8/15

Left Out: 2.626+/-0.000 χ^2/NDF:45904149268.9/21

Right Out: 2.014+/-0.000 χ^2/NDF: 19615856596.5/18

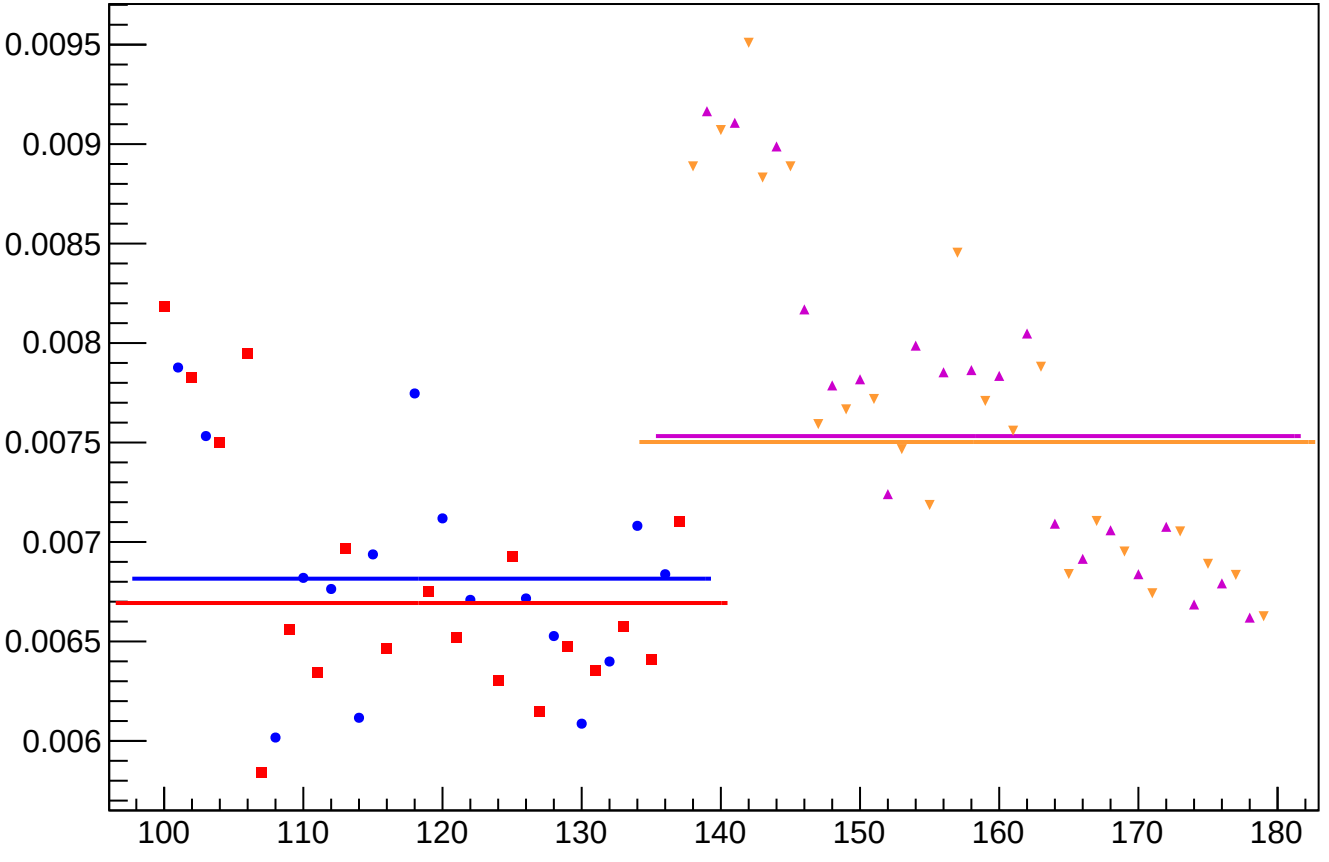
Left In: 2.655+/-0.000 χ^2/NDF:39393962879.1/19

+ sign 2.449+/-0.000 χ^2/NDF: 86919565990.8/37

All: 2.434+/-0.000 χ^2/NDF: 187397094173.2

- sign 2.418+/-0.000 χ^2/NDF: 100263330243.4/38

yield_bpm0l06X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 86781.0/15

Left Out: 0.008+/-0.000 χ^2/NDF:323247.9/21

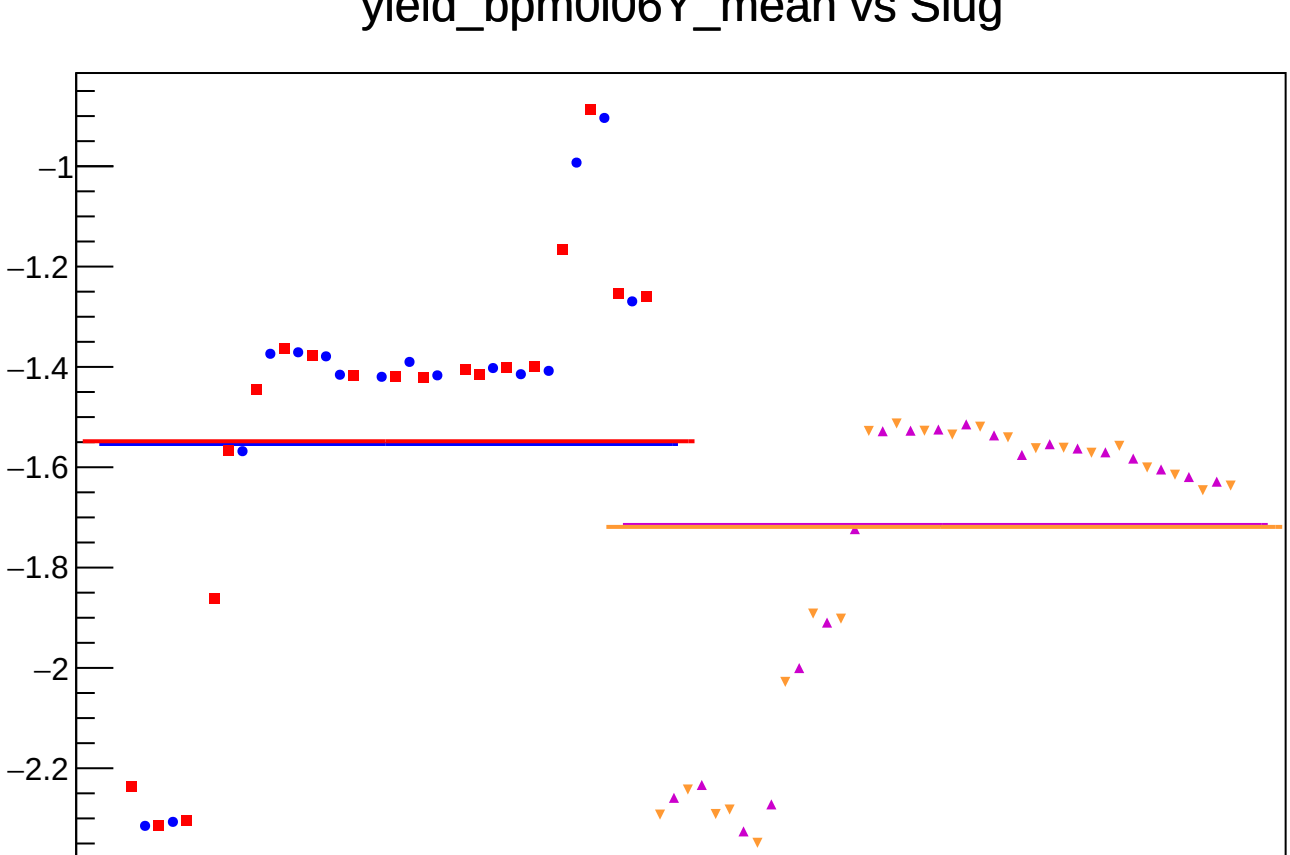
Right Out: 0.007+/-0.000 χ^2/NDF: 87876.9/18

Left In: 0.008+/-0.000 χ^2/NDF:296573.7/19

+ sign 0.007+/-0.000 χ^2/NDF: 502217.8/37

All: 0.007+/-0.000 χ^2/NDF: 1029238.2/76

- sign 0.007+/-0.000 χ^2/NDF: 525935.8/38



Right In: -1.554+/-0.000 χ^2/NDF: 175176621986.0/15

Left Out: -1.719+/-0.000 χ^2/NDF:149210512854.8/21

Right Out: -1.548+/-0.000 χ^2/NDF: 174743666302.8/18

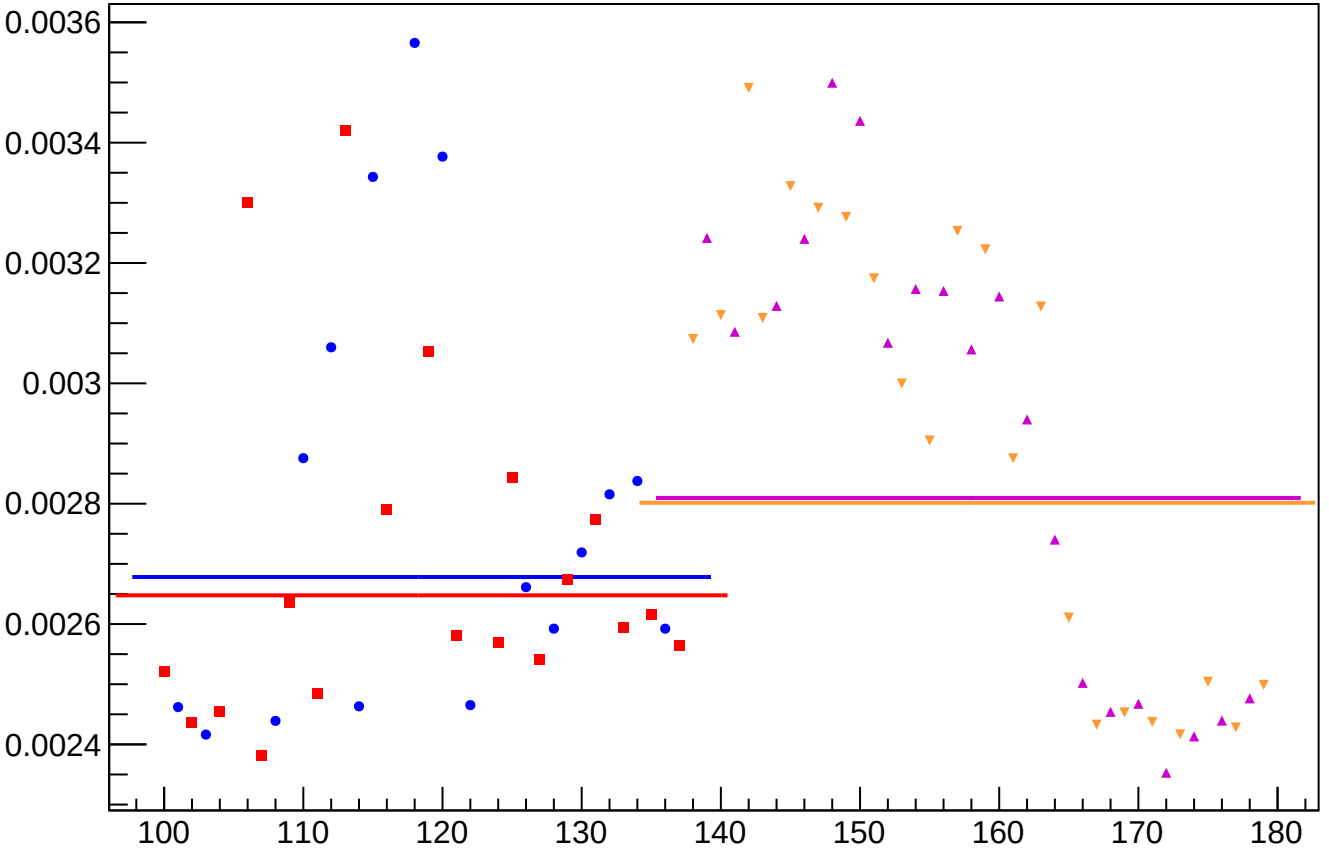
Left In: -1.715+/-0.000 χ^2/NDF:135023403349.9/19

+ sign -1.667+/-0.000 χ^2/NDF: 341958460314.7/37

All: -1.663+/-0.000 χ^2/NDF: 670170171864.0

- sign -1.658+/-0.000 χ^2/NDF: 328083499581.6/38

yield_bpm0l06Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 157881.5/15

Left Out: 0.003+/-0.000 χ^2/NDF:509396.1/21

Right Out: 0.003+/-0.000 χ^2/NDF: 116150.5/18

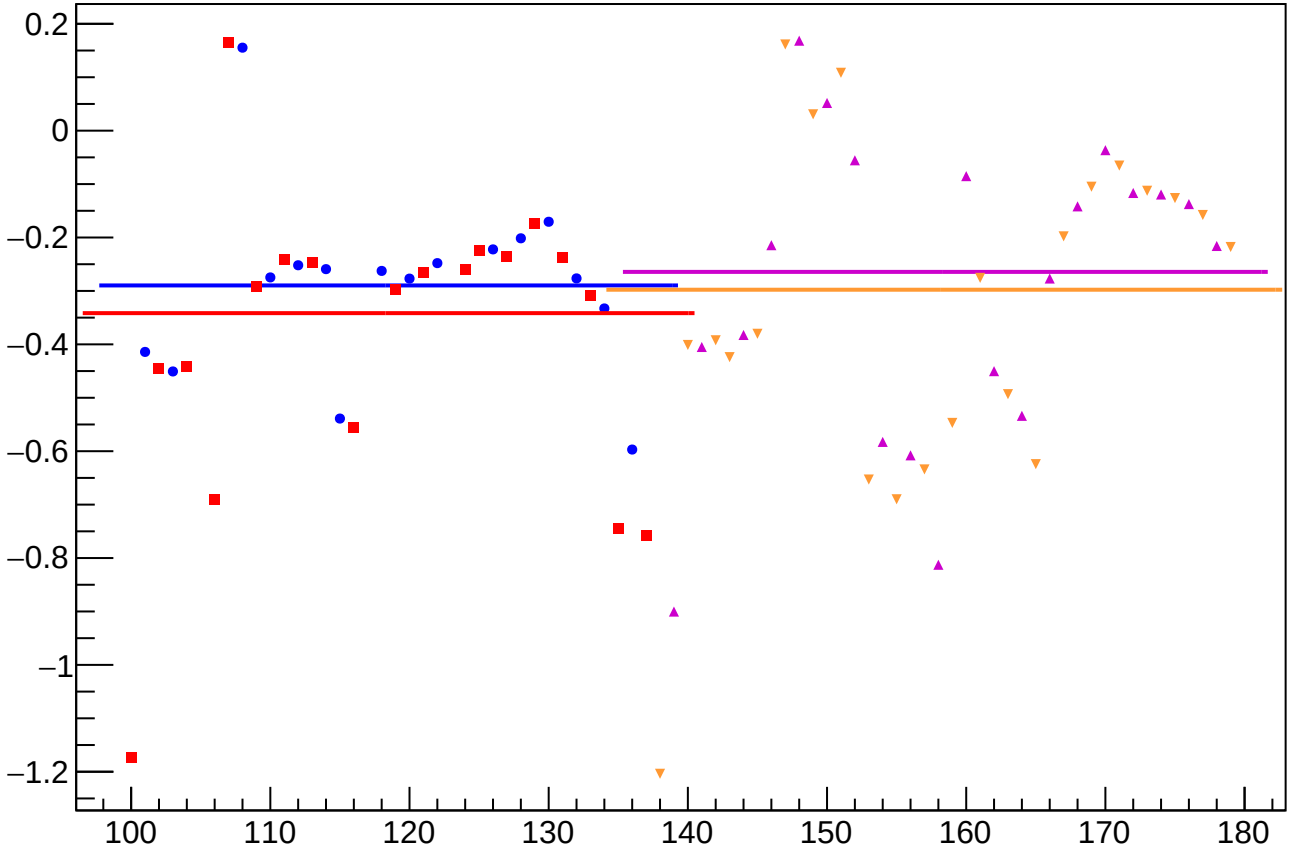
Left In: 0.003+/-0.000 χ^2/NDF:528564.7/19

+ sign 0.003+/-0.000 χ^2/NDF: 686891.1/37

All: 0.003+/-0.000 χ^2/NDF: 1366326.7/76

- sign 0.003+/-0.000 χ^2/NDF: 679201.2/38

yield_bpm0l07X_mean vs Slug



Right In: -0.290+/-0.000 χ^2/NDF: 1645174238.4/15

Left Out: -0.298+/-0.000 χ^2/NDF:9117289948.5/21

Right Out: -0.342+/-0.000 χ^2/NDF: 2609243421.7/18

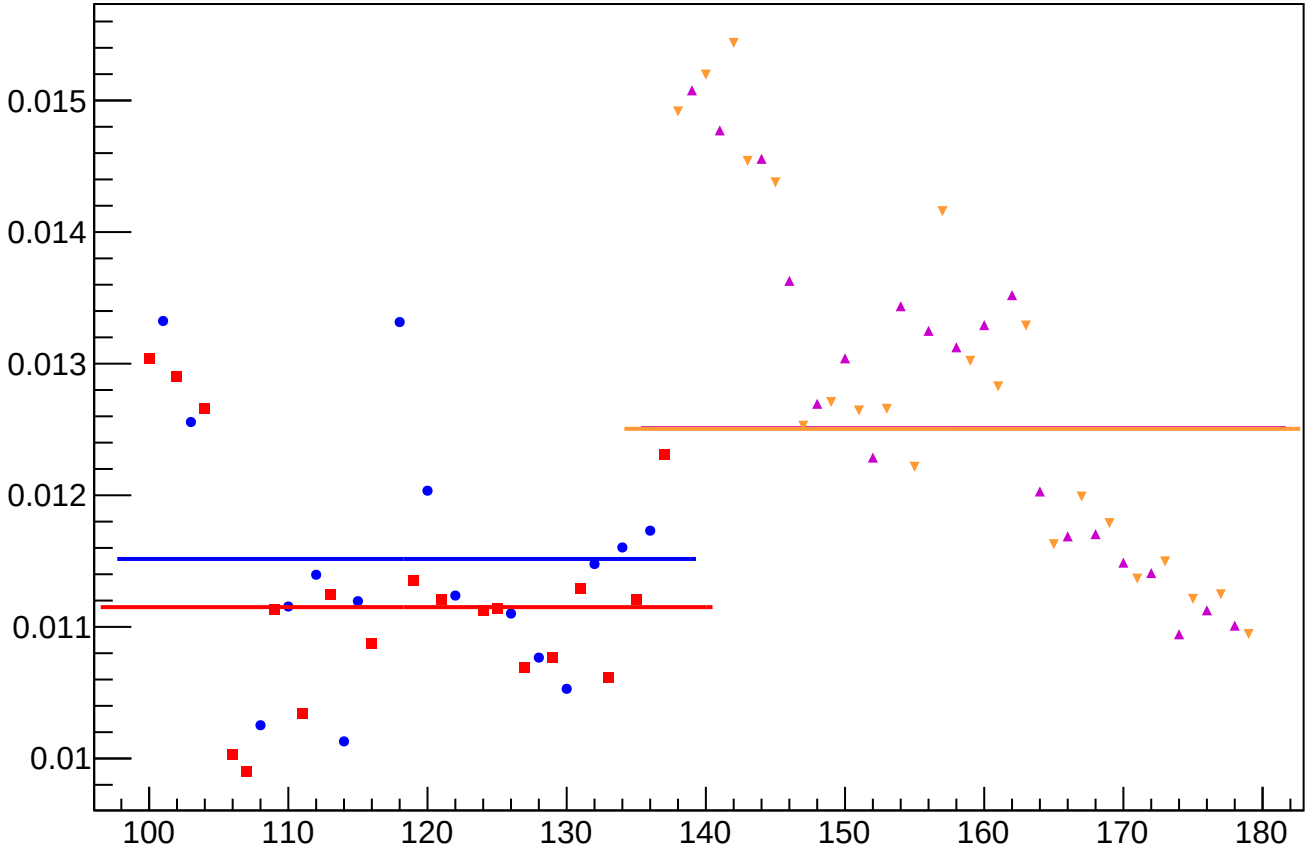
Left In: -0.264+/-0.000 χ^2/NDF:7039162867.6/19

+ sign -0.295+/-0.000 χ^2/NDF: 10764705315.2/37

All: -0.294+/-0.000 χ^2/NDF: 20631902848.9/

- sign -0.293+/-0.000 χ^2/NDF: 9866878784.9/38

yield_bpm0l07X_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 84278.9/15

Left Out: 0.013+/-0.000 χ^2/NDF:316899.7/21

Right Out: 0.011+/-0.000 χ^2/NDF: 70560.1/18

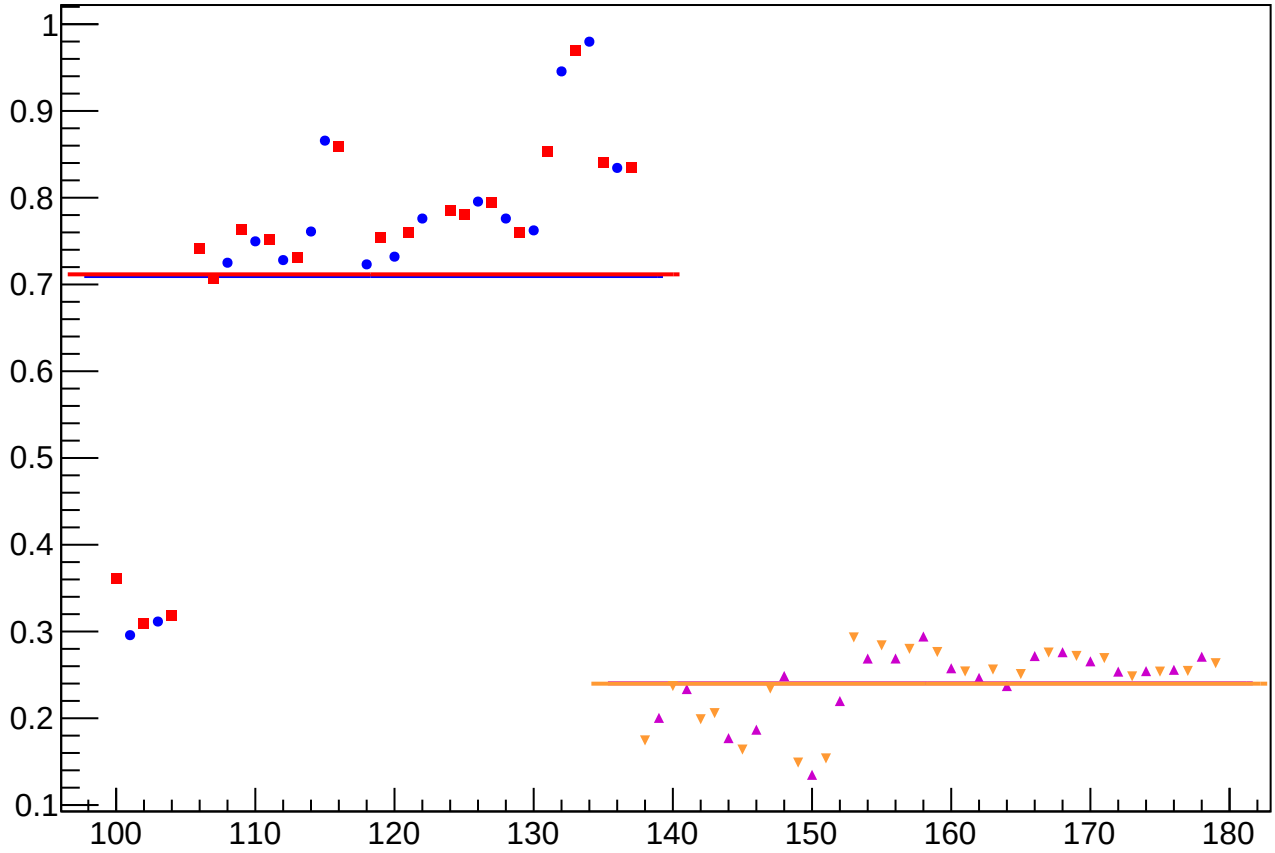
Left In: 0.013+/-0.000 χ^2/NDF:289692.8/19

+ sign 0.012+/-0.000 χ^2/NDF: 469402.7/37

All: 0.012+/-0.000 χ^2/NDF: 970026.7/76

- sign 0.012+/-0.000 χ^2/NDF: 495916.1/38

yield_bpm0l07Y_mean vs Slug



Right In: 0.710+/-0.000 χ^2/NDF: 48924347494.6/15

Left Out: 0.240+/-0.000 χ^2/NDF:6990905603.1/21

Right Out: 0.712+/-0.000 χ^2/NDF: 44174681920.8/18

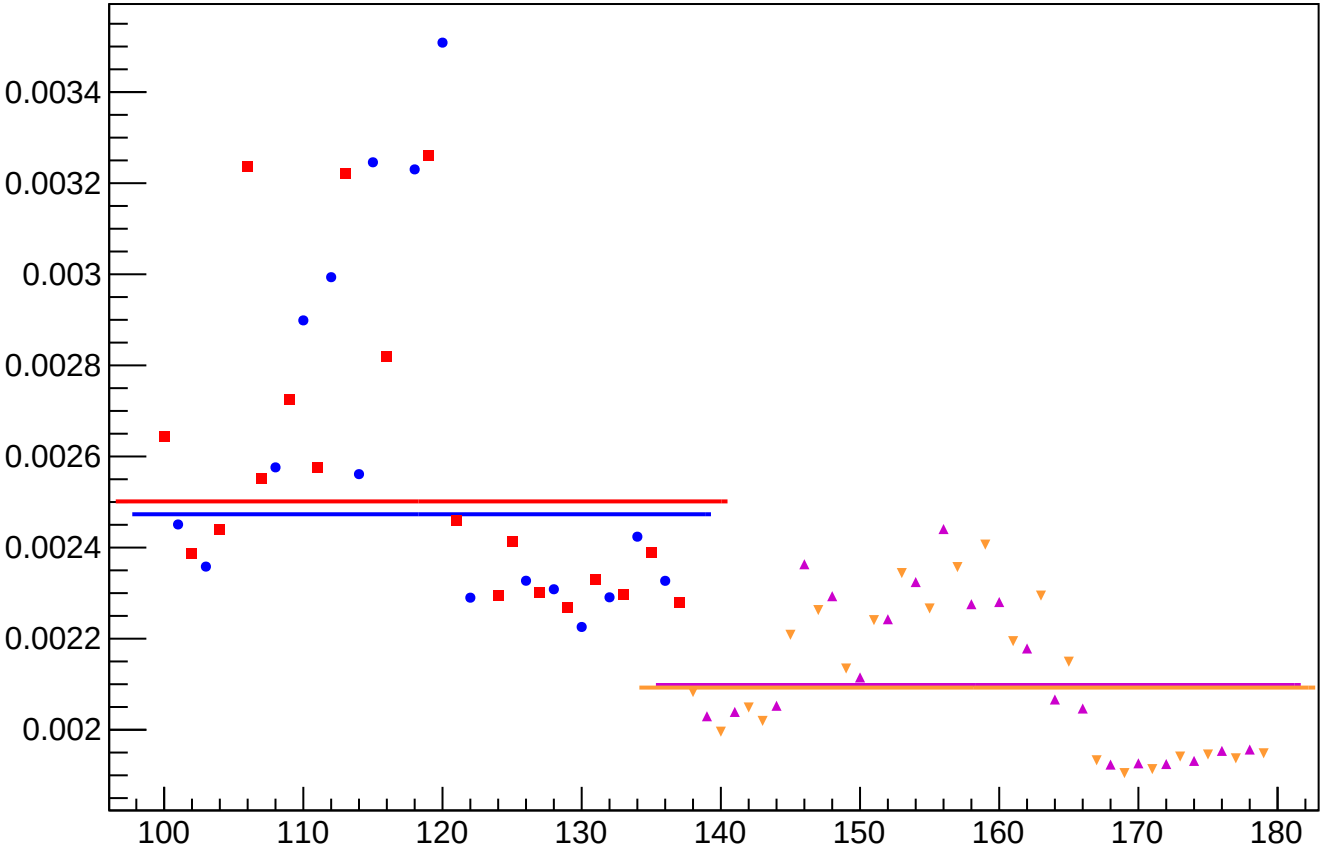
Left In: 0.240+/-0.000 χ^2/NDF:5617556011.5/19

+ sign 0.344+/-0.000 χ^2/NDF: 247657435042.7/37

All: 0.347+/-0.000 χ^2/NDF: 488687917143.2

- sign 0.351+/-0.000 χ^2/NDF: 240895093079.4/38

yield_bpm0l07Y_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 208046.5/15

Left Out: 0.002+/-0.000 χ^2/NDF:202144.3/21

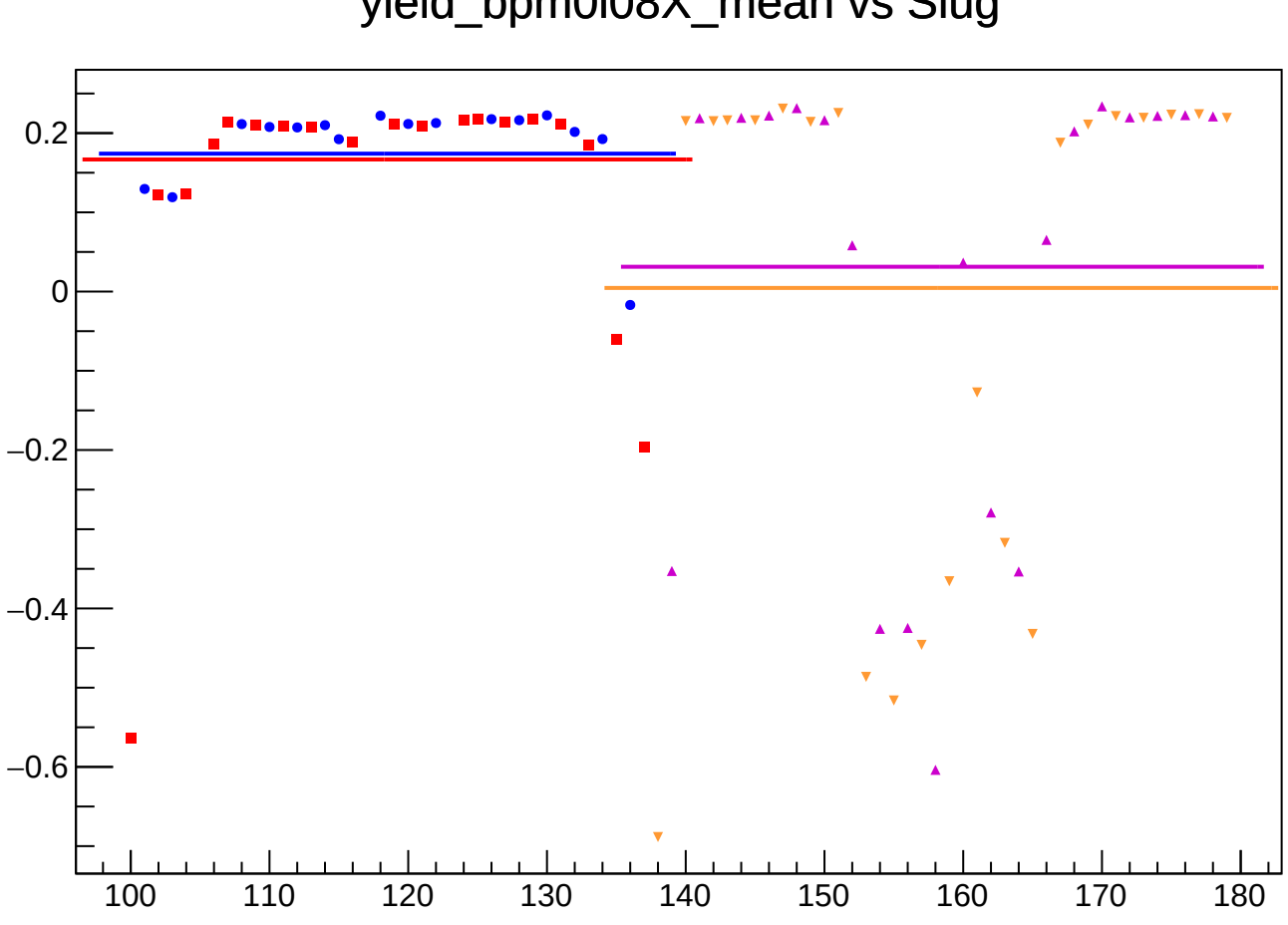
Right Out: 0.003+/-0.000 χ^2/NDF: 177427.2/18

Left In: 0.002+/-0.000 χ^2/NDF:186894.0/19

\+ sign 0.002+/-0.000 χ^2/NDF: 661709.6/37

All: 0.002+/-0.000 χ^2/NDF: 1306781.3/76

\- sign 0.002+/-0.000 χ^2/NDF: 643757.6/38



Right In: 0.174+/-0.000 χ^2/NDF: 401946344.0/15

Left Out: 0.005+/-0.000 χ^2/NDF:12356533570.2/21

Right Out: 0.167+/-0.000 χ^2/NDF: 894131198.6/18

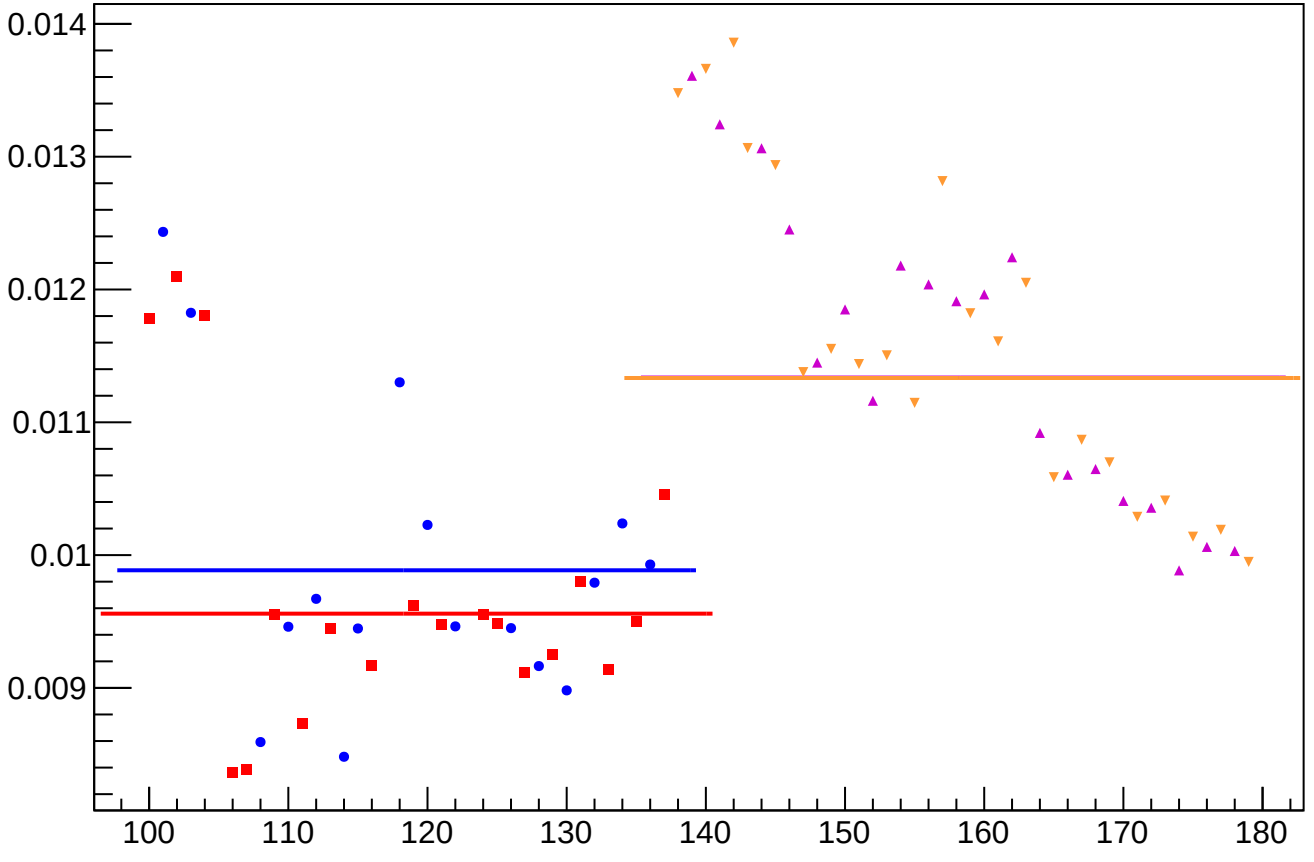
Left In: 0.031+/-0.000 χ^2/NDF:9177211249.9/19

+ sign 0.064+/-0.000 χ^2/NDF: 14062556022.0/37

All: 0.075+/-0.000 χ^2/NDF: 25048829158.4/7

- sign 0.085+/-0.000 χ^2/NDF: 10944486622.4/38

yield_bpm0l08X_rms vs Slug



Right In: 0.010+/-0.000 χ^2/NDF: 148562.0/15

Left Out: 0.011+/-0.000 χ^2/NDF:303915.6/21

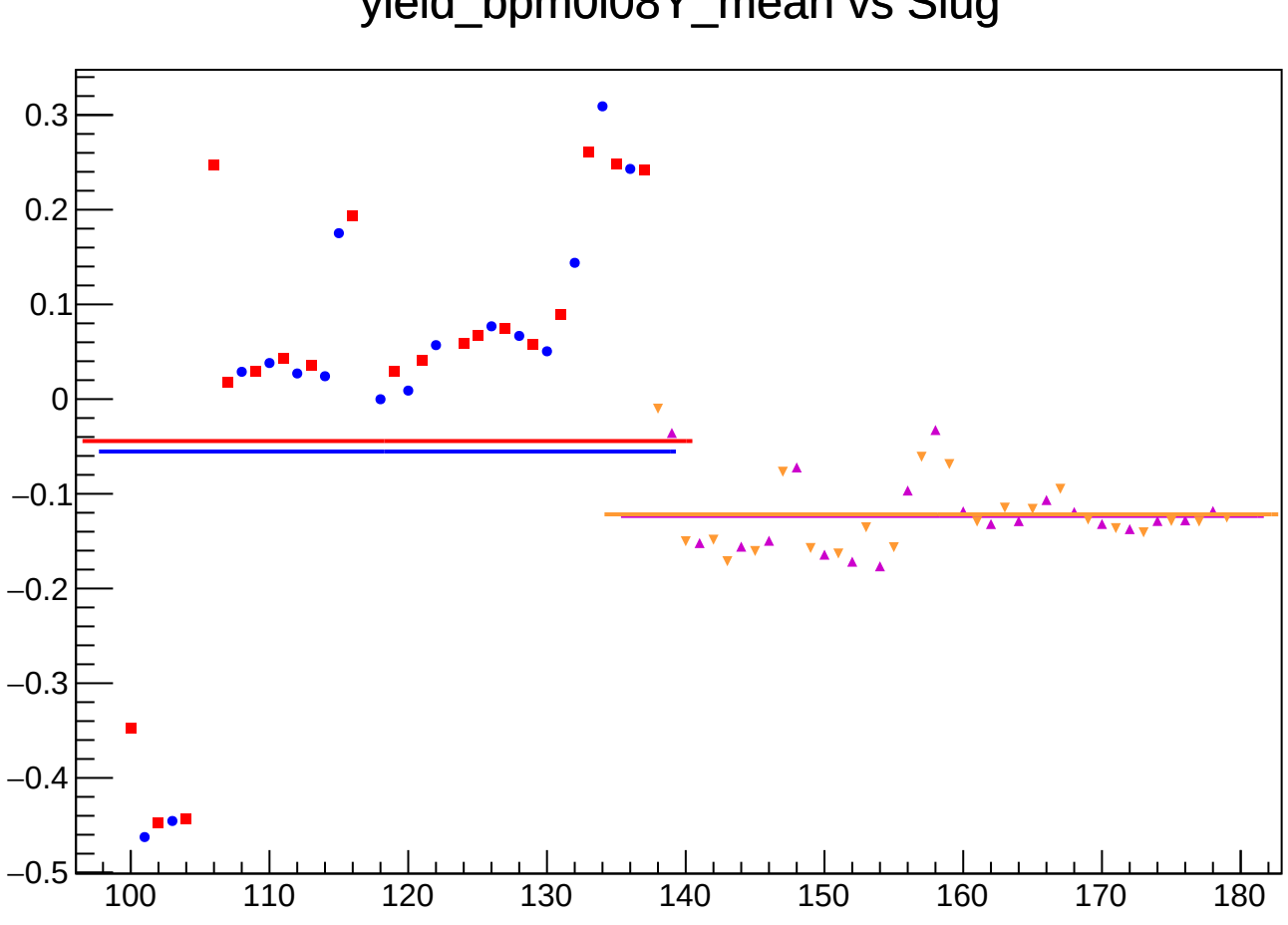
Right Out: 0.010+/-0.000 χ^2/NDF: 136197.0/18

Left In: 0.011+/-0.000 χ^2/NDF:279912.0/19

+ sign 0.011+/-0.000 χ^2/NDF: 642822.5/37

All: 0.011+/-0.000 χ^2/NDF: 1367039.0/76

- sign 0.011+/-0.000 χ^2/NDF: 717106.6/38



Right In: -0.055+/-0.000 χ^2/NDF: 24081939190.6/15

Left Out: -0.122+/-0.000 χ^2/NDF:2918171514.7/21

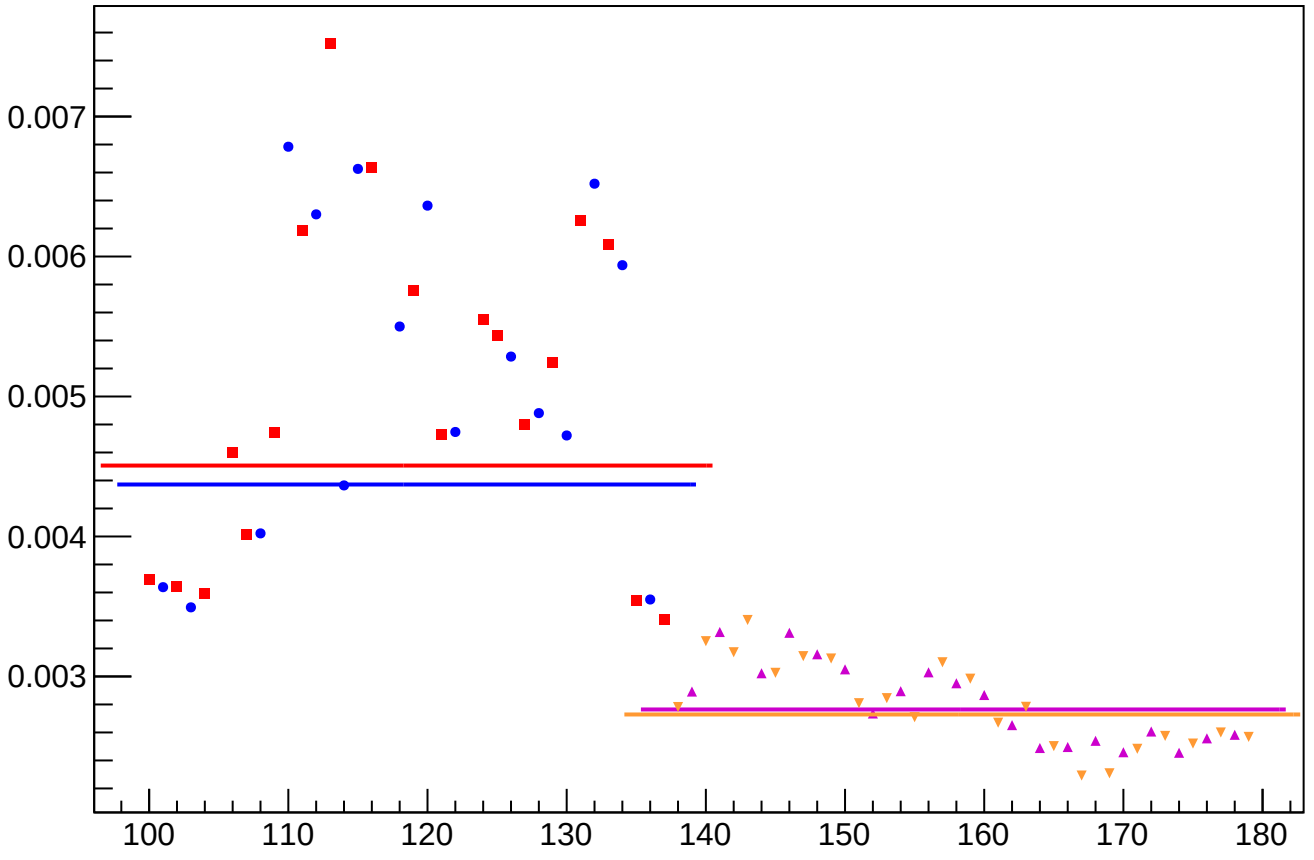
Right Out: -0.044+/-0.000 χ^2/NDF: 22136167141.7/18

Left In: -0.123+/-0.000 χ^2/NDF:2807342155.8/19

+ sign -0.113+/-0.000 χ^2/NDF: 28229882130.3/37

All: -0.113+/-0.000 χ^2/NDF: 54877982047.9/

- sign -0.113+/-0.000 χ^2/NDF: 26647636160.4/38



Right In: 0.004+/-0.000 χ^2/NDF: 660432.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:383618.9/21

Right Out: 0.005+/-0.000 χ^2/NDF: 704549.6/18

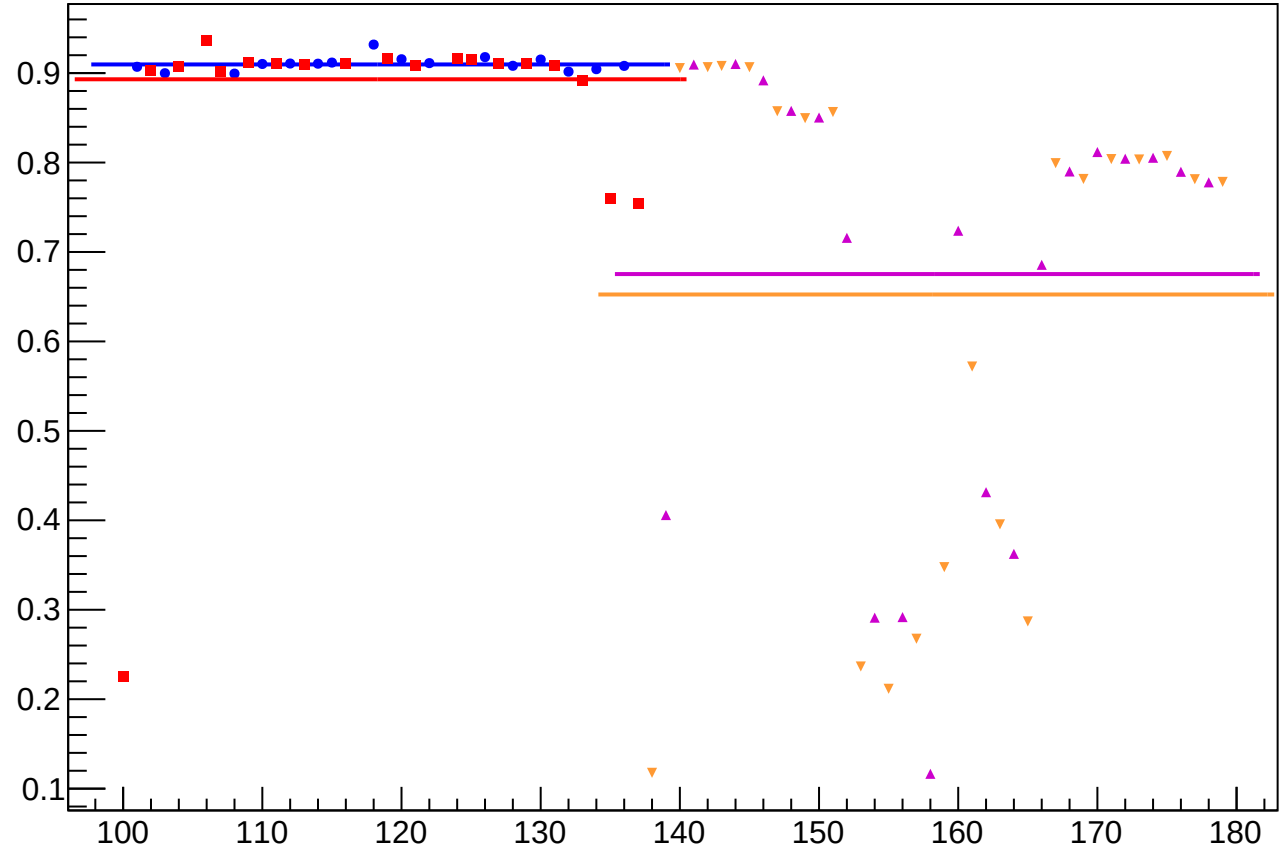
Left In: 0.003+/-0.000 χ^2/NDF:283499.5/19

\+ sign 0.003+/-0.000 χ^2/NDF: 2551546.5/37

All: 0.003+/-0.000 χ^2/NDF: 5203441.5/76

\- sign 0.003+/-0.000 χ^2/NDF: 2641903.7/38

yield_bpm0l09X_mean vs Slug



Right In: 0.910+/-0.000 χ^2/NDF: 3133349.6/15

Left Out: 0.652+/-0.000 χ^2/NDF:8997817902.8/21

Right Out: 0.893+/-0.000 χ^2/NDF: 327979021.4/18

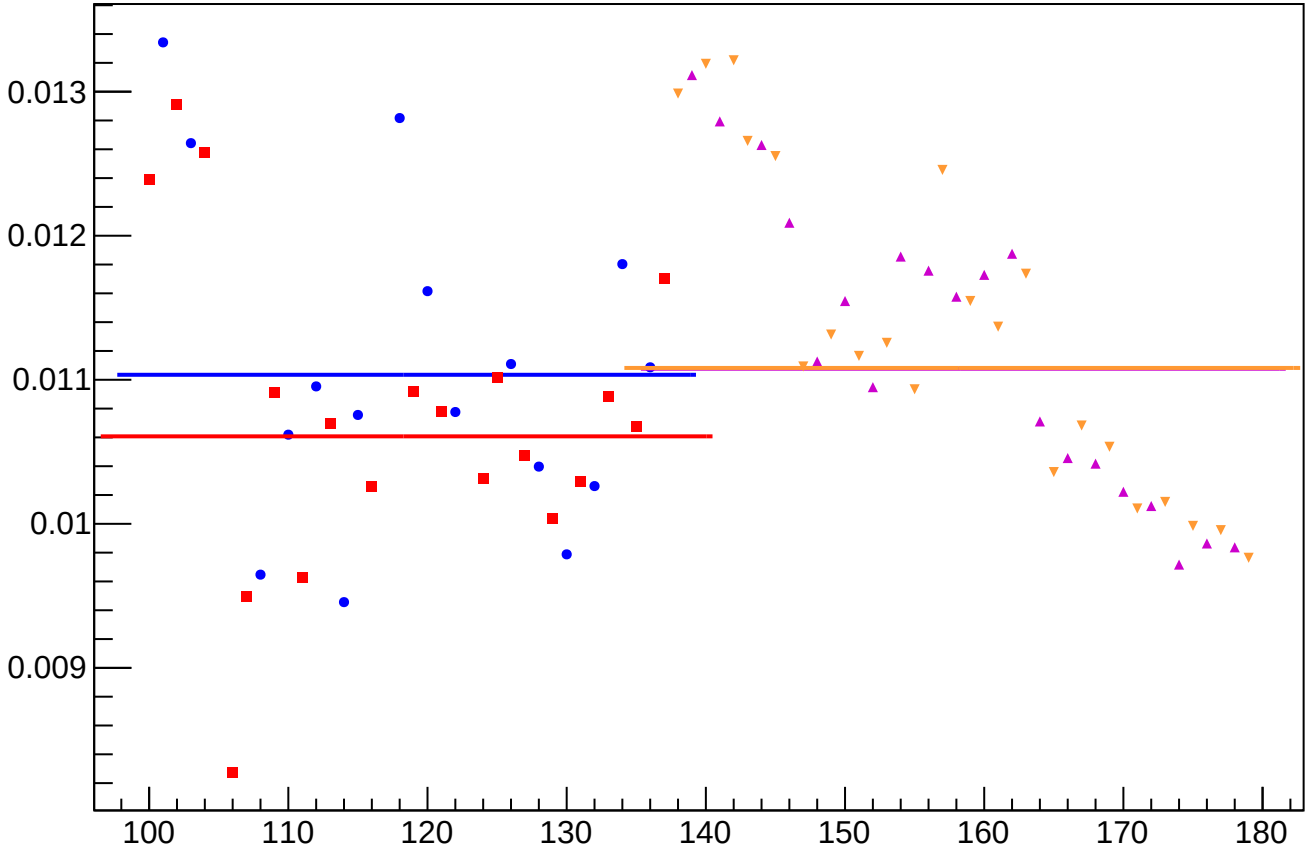
Left In: 0.675+/-0.000 χ^2/NDF:6845072209.5/19

+ sign 0.728+/-0.000 χ^2/NDF: 11633825357.6/37

All: 0.738+/-0.000 χ^2/NDF: 20863527384.7/

- sign 0.748+/-0.000 χ^2/NDF: 9190538688.2/38

yield_bpm0l09X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF: 130353.1/15

Left Out: 0.011+/-0.000 χ^2/NDF:274034.1/21

Right Out: 0.011+/-0.000 χ^2/NDF: 143947.4/18

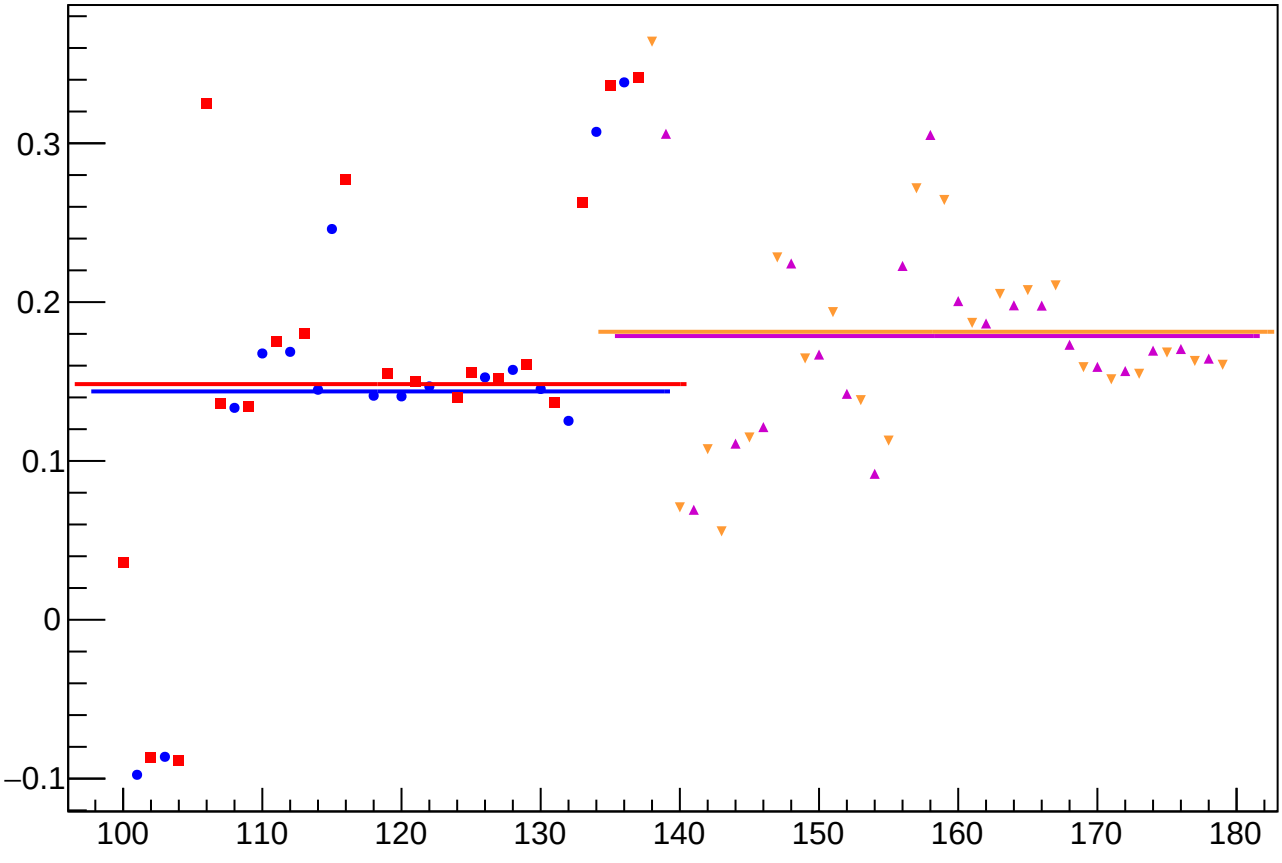
Left In: 0.011+/-0.000 χ^2/NDF:252133.2/19

+ sign 0.011+/-0.000 χ^2/NDF: 404566.6/37

All: 0.011+/-0.000 χ^2/NDF: 823646.4/76

- sign 0.011+/-0.000 χ^2/NDF: 414839.0/38

yield_bpm0l09Y_mean vs Slug



Right In: 0.144+/-0.000 χ^2/NDF: 7867304536.4/15

Left Out: 0.181+/-0.000 χ^2/NDF:6414439677.7/21

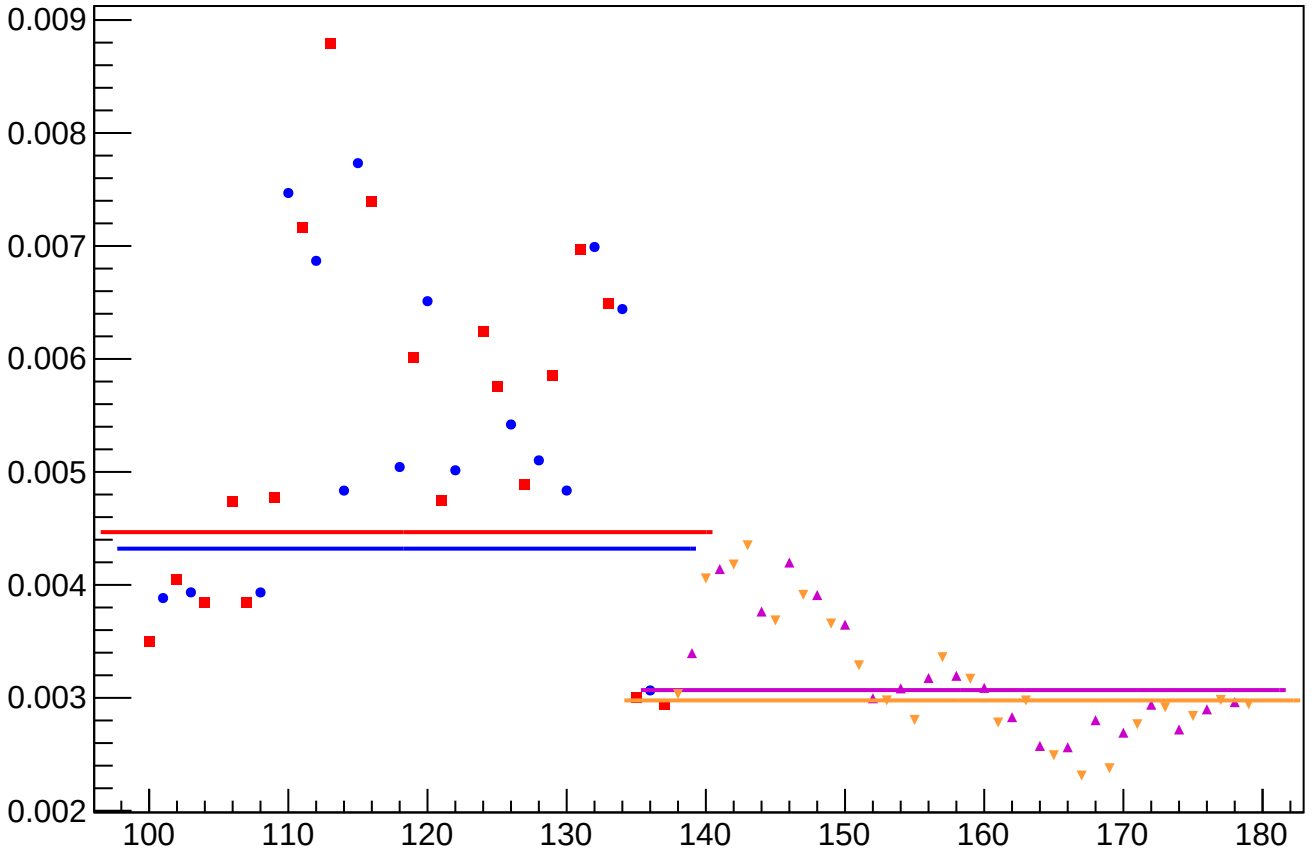
Right Out: 0.148+/-0.000 χ^2/NDF: 7128567107.5/18

Left In: 0.179+/-0.000 χ^2/NDF:4590768294.1/19

+ sign 0.176+/-0.000 χ^2/NDF: 14651277364.1/37

All: 0.175+/-0.000 χ^2/NDF: 26603899637.6/7

- sign 0.174+/-0.000 χ^2/NDF: 11948579951.1/38



Right In: 0.004+/-0.000 χ^2/NDF: 878343.4/15

Left Out: 0.003+/-0.000 χ^2/NDF:844041.5/21

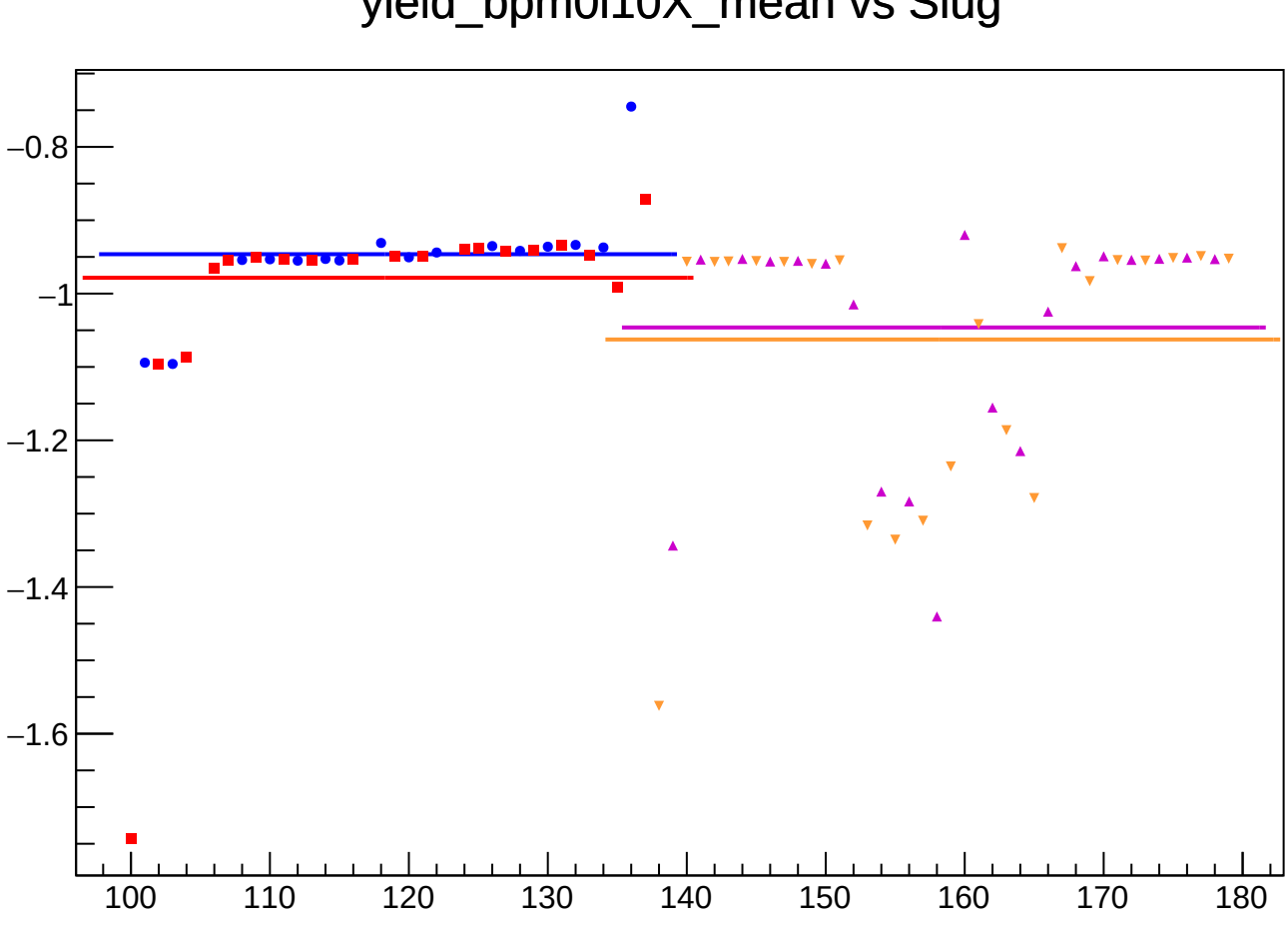
Right Out: 0.004+/-0.000 χ^2/NDF: 1085759.3/18

Left In: 0.003+/-0.000 χ^2/NDF:575441.9/19

+ sign 0.003+/-0.000 χ^2/NDF: 2668276.6/37

All: 0.003+/-0.000 χ^2/NDF: 5335695.6/76

- sign 0.003+/-0.000 χ^2/NDF: 2640185.9/38



Right In: -0.946+/-0.000 χ^2/NDF: 404509465.5/15

Left Out: -1.063+/-0.000 χ^2/NDF:4863855474.5/21

Right Out: -0.978+/-0.000 χ^2/NDF: 461081476.3/18

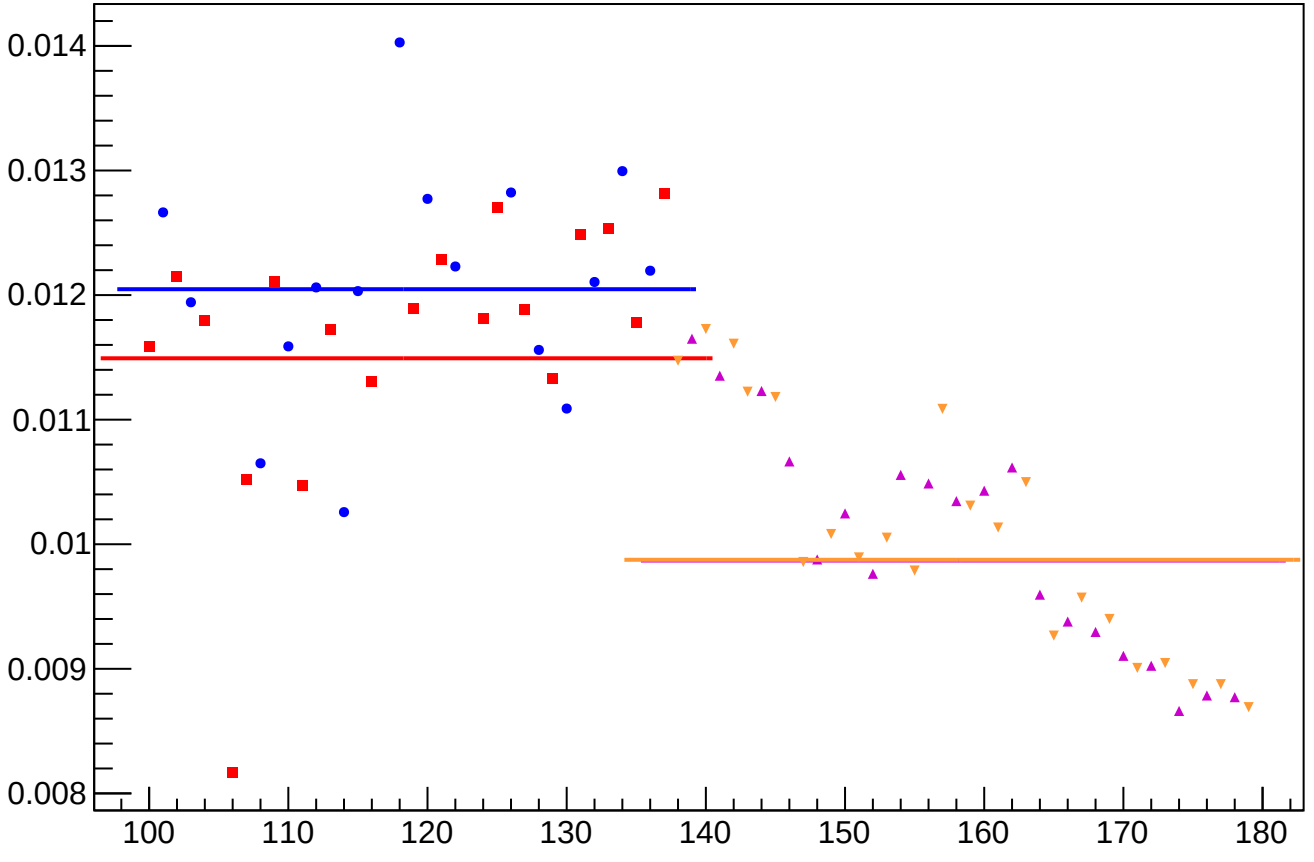
Left In: -1.046+/-0.000 χ^2/NDF:3753922833.7/19

+ sign -1.037+/-0.000 χ^2/NDF: 5769456779.0/37

All: -1.033+/-0.000 χ^2/NDF: 10177822437.9/

- sign -1.029+/-0.000 χ^2/NDF: 4400931722.9/38

yield_bpm0l10X_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 62476.3/15

Left Out: 0.010+/-0.000 χ^2/NDF:267102.1/21

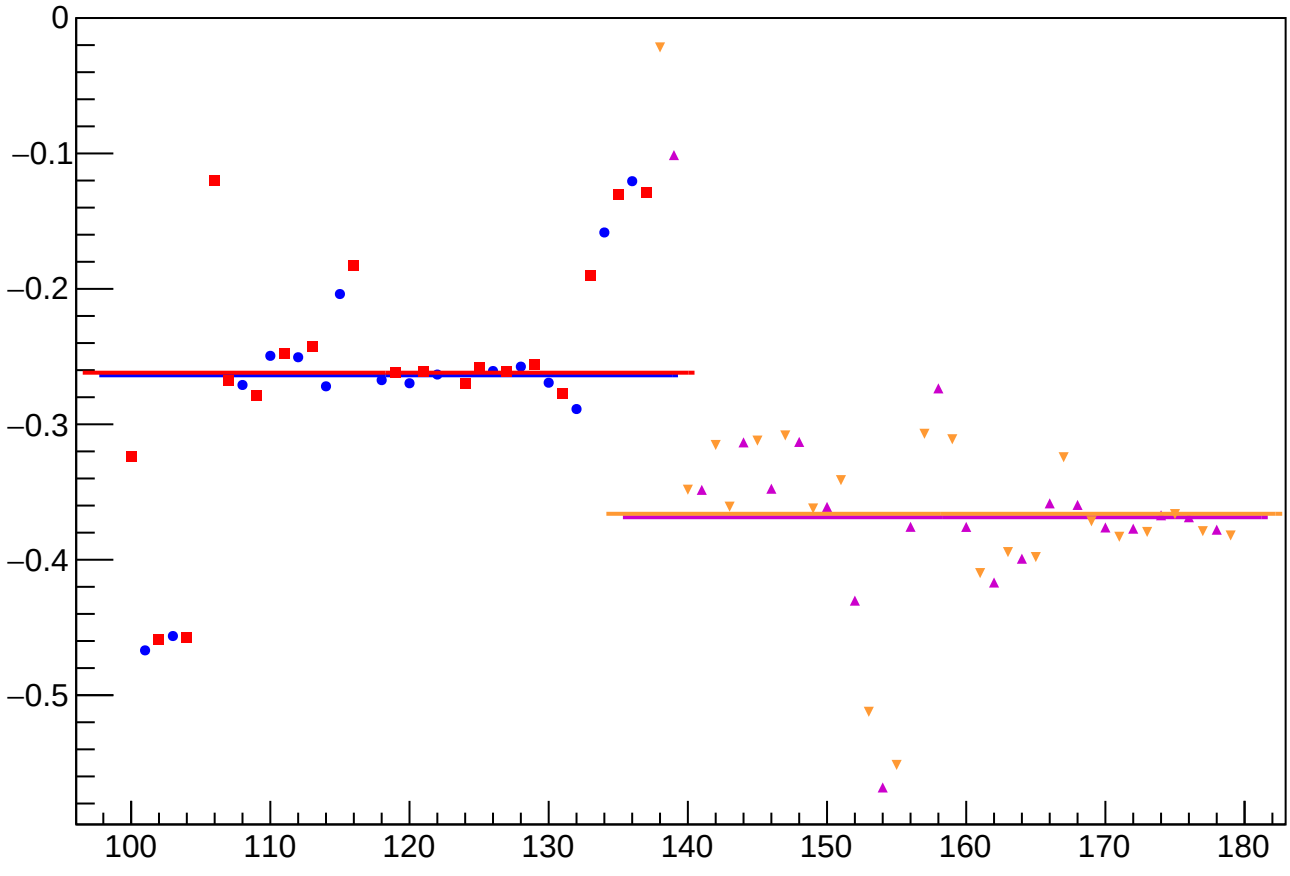
Right Out: 0.011+/-0.000 χ^2/NDF: 151309.4/18

Left In: 0.010+/-0.000 χ^2/NDF:245483.0/19

+ sign 0.010+/-0.000 χ^2/NDF: 679435.3/37

All: 0.010+/-0.000 χ^2/NDF: 1290831.2/76

- sign 0.010+/-0.000 χ^2/NDF: 610428.0/38



Right In: -0.264+/-0.000 χ^2/NDF: 6106171444.3/15

Left Out: -0.366+/-0.000 χ^2/NDF:11937706679.0/21

Right Out: -0.262+/-0.000 χ^2/NDF: 5250043427.3/18

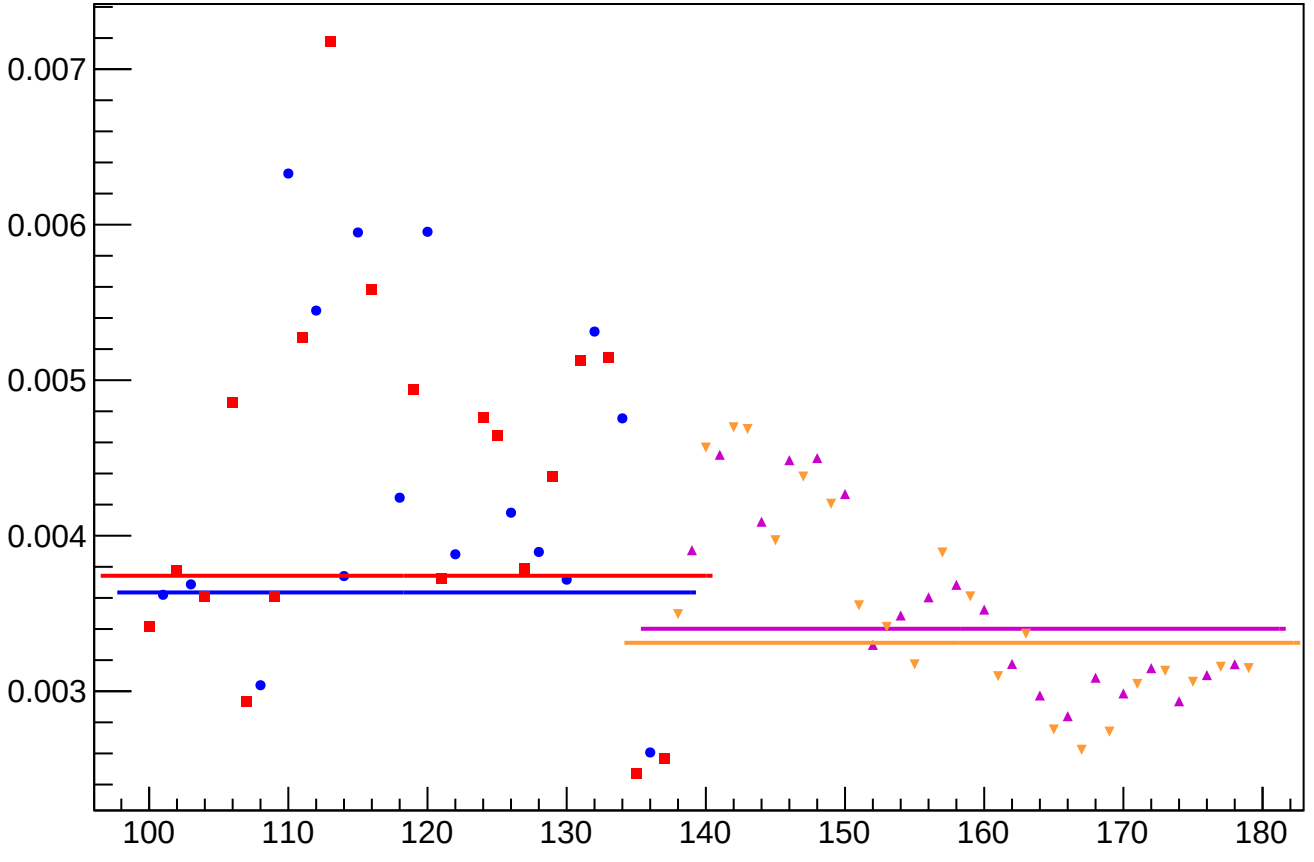
Left In: -0.369+/-0.000 χ^2/NDF:7575215493.1/19

+ sign -0.342+/-0.000 χ^2/NDF: 21549944557.0/37

All: -0.342+/-0.000 χ^2/NDF: 38037665018.1/

- sign -0.342+/-0.000 χ^2/NDF: 16487376815.4/38

yield_bpm0l10Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 728598.9/15

Left Out: 0.003+/-0.000 χ^2/NDF:812192.2/21

Right Out: 0.004+/-0.000 χ^2/NDF: 894189.4/18

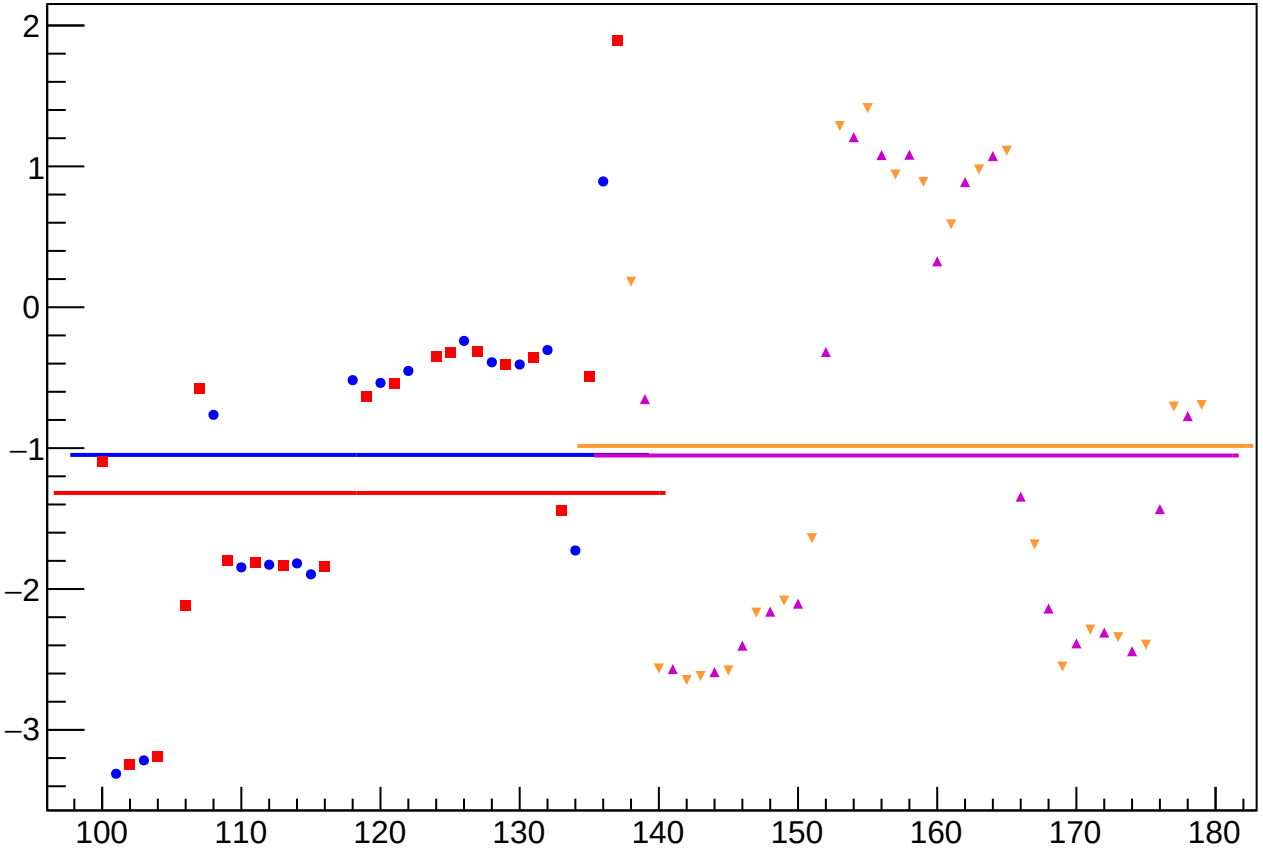
Left In: 0.003+/-0.000 χ^2/NDF:613009.5/19

+ sign 0.003+/-0.000 χ^2/NDF: 1611090.5/37

All: 0.003+/-0.000 χ^2/NDF: 3211245.5/76

- sign 0.003+/-0.000 χ^2/NDF: 1581929.9/38

yield_bpm0r03X_mean vs Slug



Right In: -1.048+/-0.000 χ^2/NDF: 2347020985.5/15

Left Out: -0.984+/-0.000 χ^2/NDF:7169899272.1/21

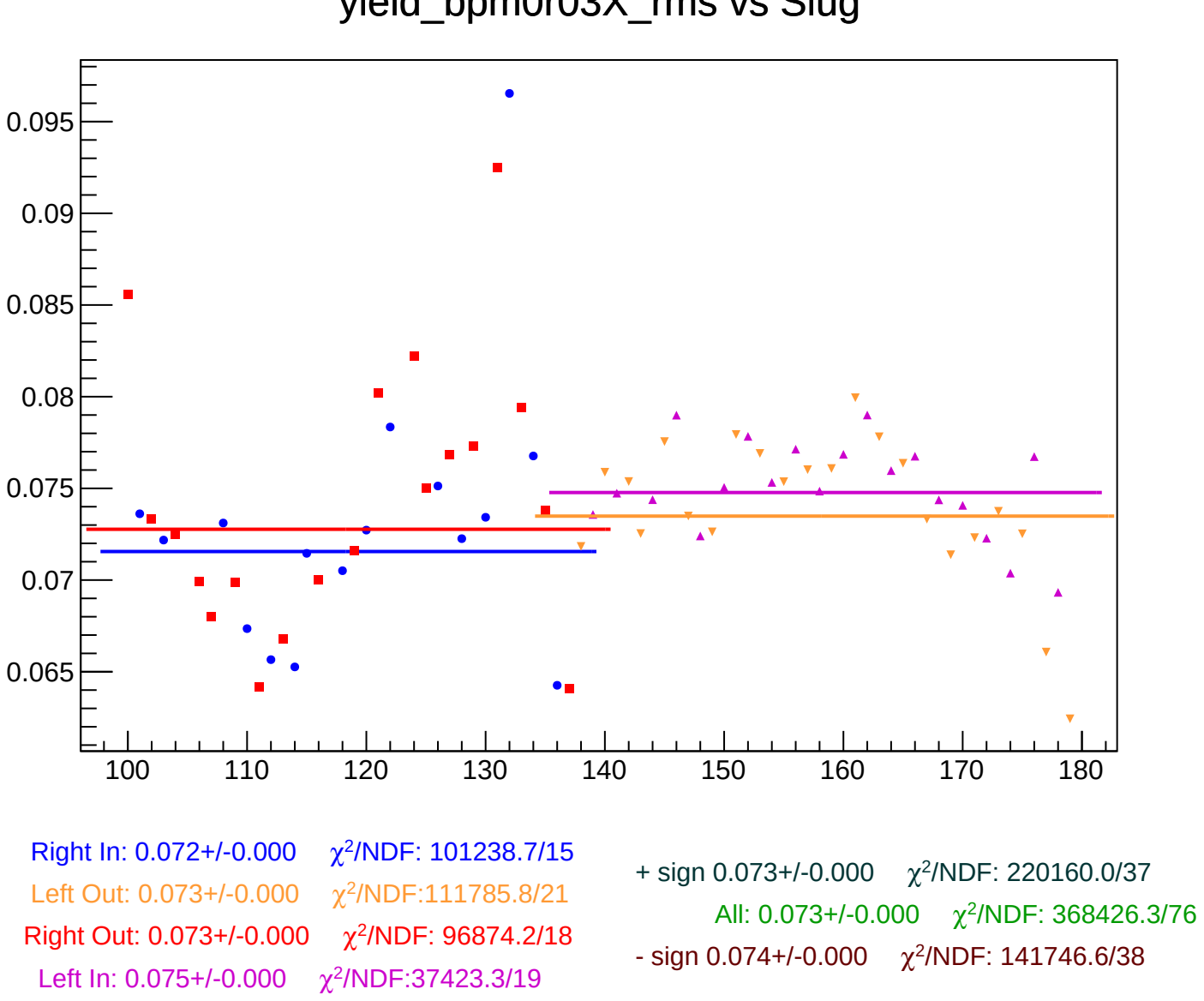
Right Out: -1.318+/-0.000 χ^2/NDF: 1847995615.1/18

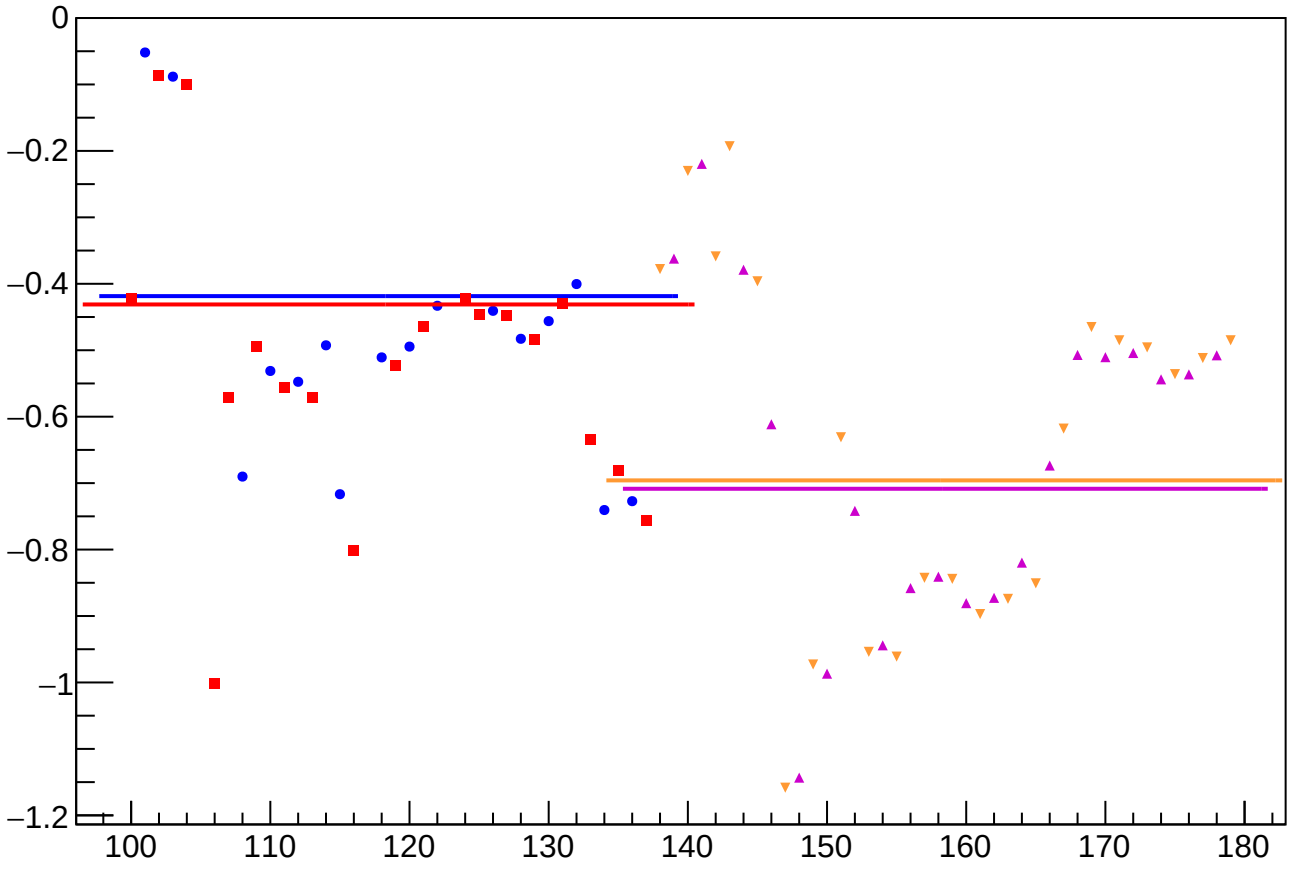
Left In: -1.052+/-0.000 χ^2/NDF:5827600925.6/19

+ sign -1.003+/-0.000 χ^2/NDF: 9520831700.1/37

All: -1.068+/-0.000 χ^2/NDF: 17301886038.3/

- sign -1.138+/-0.000 χ^2/NDF: 7741107692.2/38


yield_bpm0r03X_rms vs Slug
0.095
0.09
0.085
0.08
0.075
0.07
0.065
100
110
120
130
140
150
160
170
180
Right In: 0.072+/-0.000 χ²/NDF: 101238.7/15
Left Out: 0.073+/-0.000 χ²/NDF:111785.8/21
Right Out: 0.073+/-0.000 χ²/NDF: 96874.2/18
Left In: 0.075+/-0.000 χ²/NDF:37423.3/19
+ sign 0.073+/-0.000 χ²/NDF: 220160.0/37
All: 0.073+/-0.000 χ²/NDF: 368426.3/76
- sign 0.074+/-0.000 χ²/NDF: 141746.6/38



Right In: -0.419+/-0.000 χ^2/NDF: 3072147227.9/15

Left Out: -0.696+/-0.000 χ^2/NDF:20776468124.4/21

Right Out: -0.431+/-0.000 χ^2/NDF: 3196655095.4/18

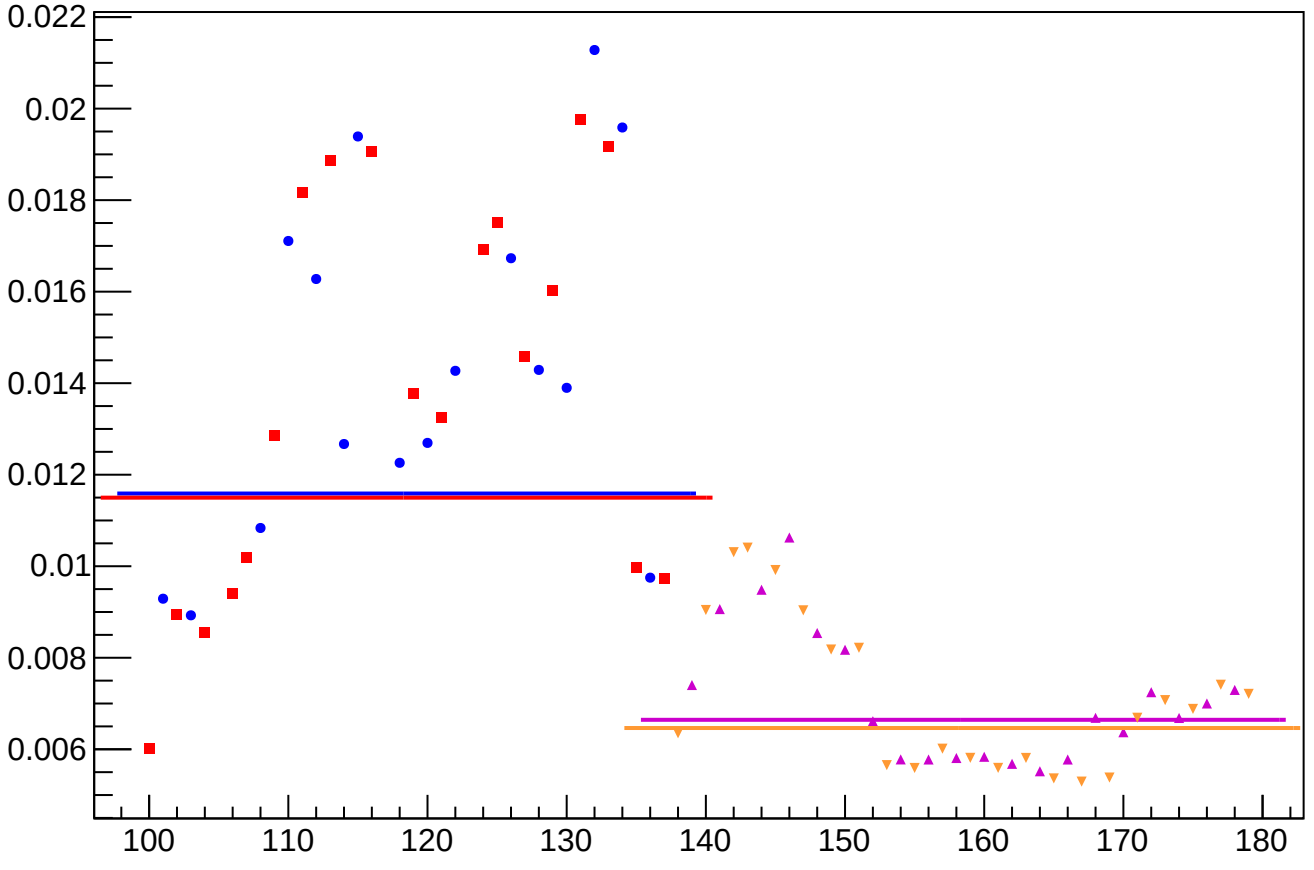
Left In: -0.709+/-0.000 χ^2/NDF:15610724388.4/19

+ sign -0.667+/-0.000 χ^2/NDF: 26905552238.1/37

All: -0.671+/-0.000 χ^2/NDF: 48809477403.3/

- sign -0.676+/-0.000 χ^2/NDF: 21888733359.6/38

yield_bpm0r03Y_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 786260.7/15

Left Out: 0.006+/-0.000 χ^2/NDF:1286269.1/21

Right Out: 0.011+/-0.000 χ^2/NDF: 1164657.0/18

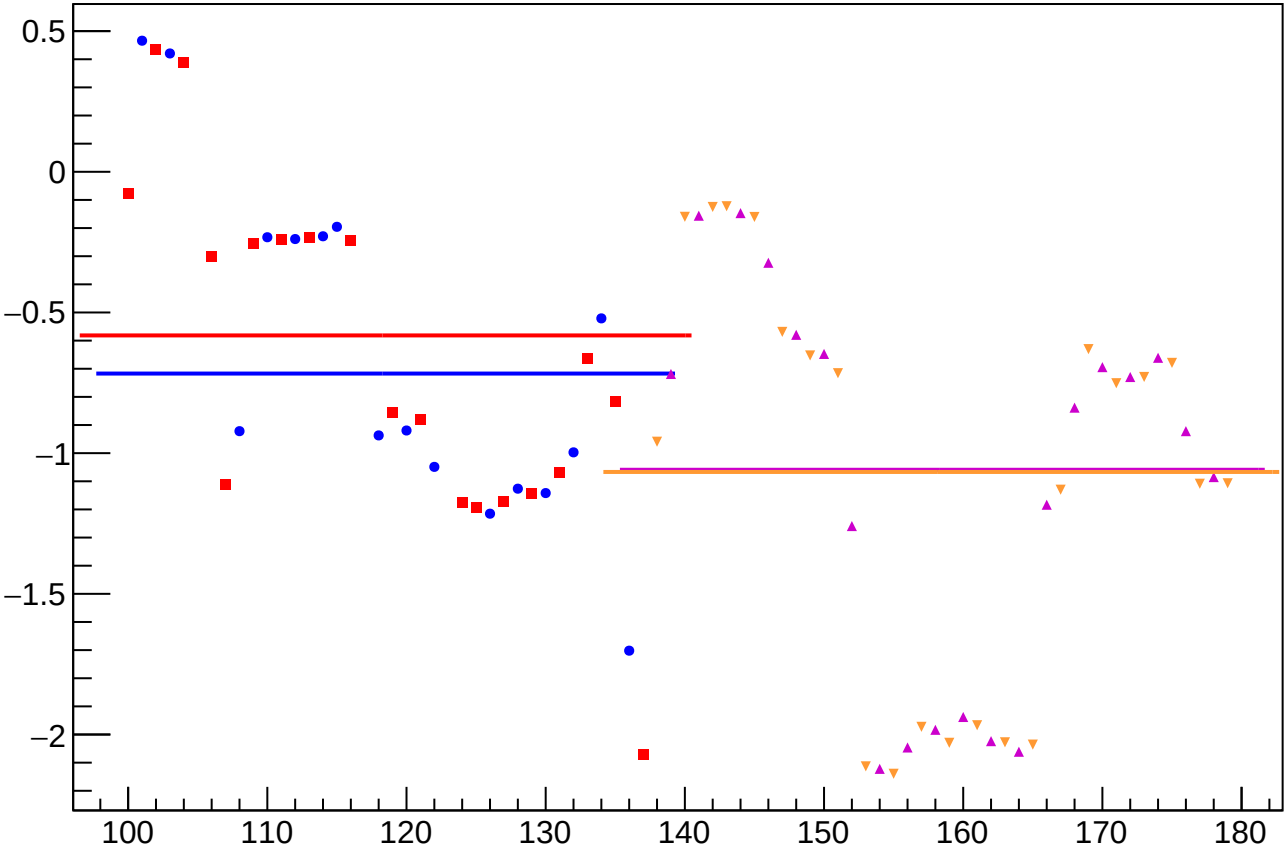
Left In: 0.007+/-0.000 χ^2/NDF:906566.6/19

+ sign 0.007+/-0.000 χ^2/NDF: 4159746.4/37

All: 0.007+/-0.000 χ^2/NDF: 8137875.9/76

- sign 0.007+/-0.000 χ^2/NDF: 3958663.0/38

yield_bpm0r05X_mean vs Slug



Right In: -0.717+/-0.000 χ^2/NDF: 437423792.4/15

Left Out: -1.067+/-0.000 χ^2/NDF:1148253290.0/21

Right Out: -0.582+/-0.000 χ^2/NDF: 342062039.8/18

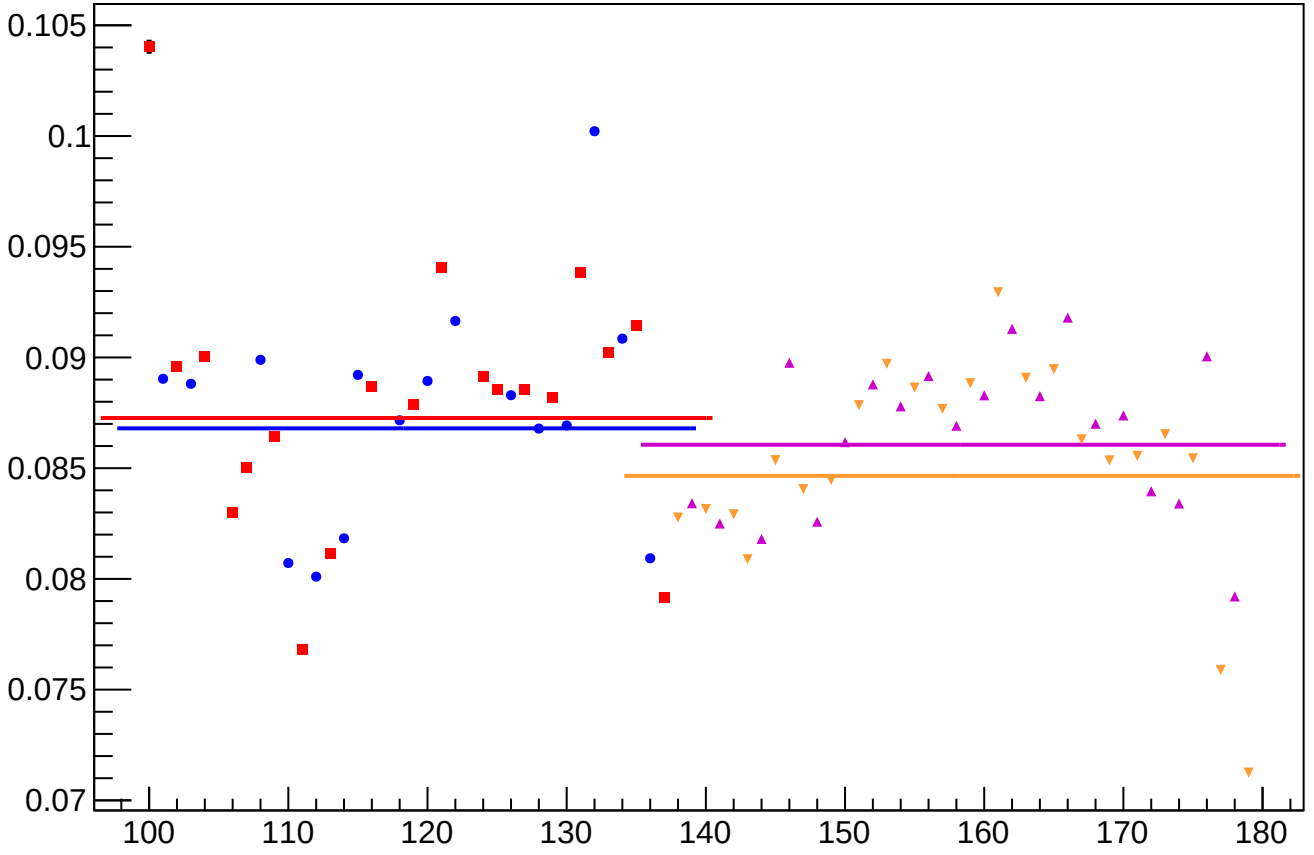
Left In: -1.059+/-0.000 χ^2/NDF:973003210.7/19

+ sign -0.968+/-0.000 χ^2/NDF: 1669226104.5/37

All: -0.941+/-0.000 χ^2/NDF: 3143530965.2/7

- sign -0.912+/-0.000 χ^2/NDF: 1469100543.9/38

yield_bpm0r05X_rms vs Slug



Right In: 0.087+/-0.000 χ^2/NDF: 43575.8/15

Left Out: 0.085+/-0.000 χ^2/NDF:122988.5/21

Right Out: 0.087+/-0.000 χ^2/NDF: 46163.9/18

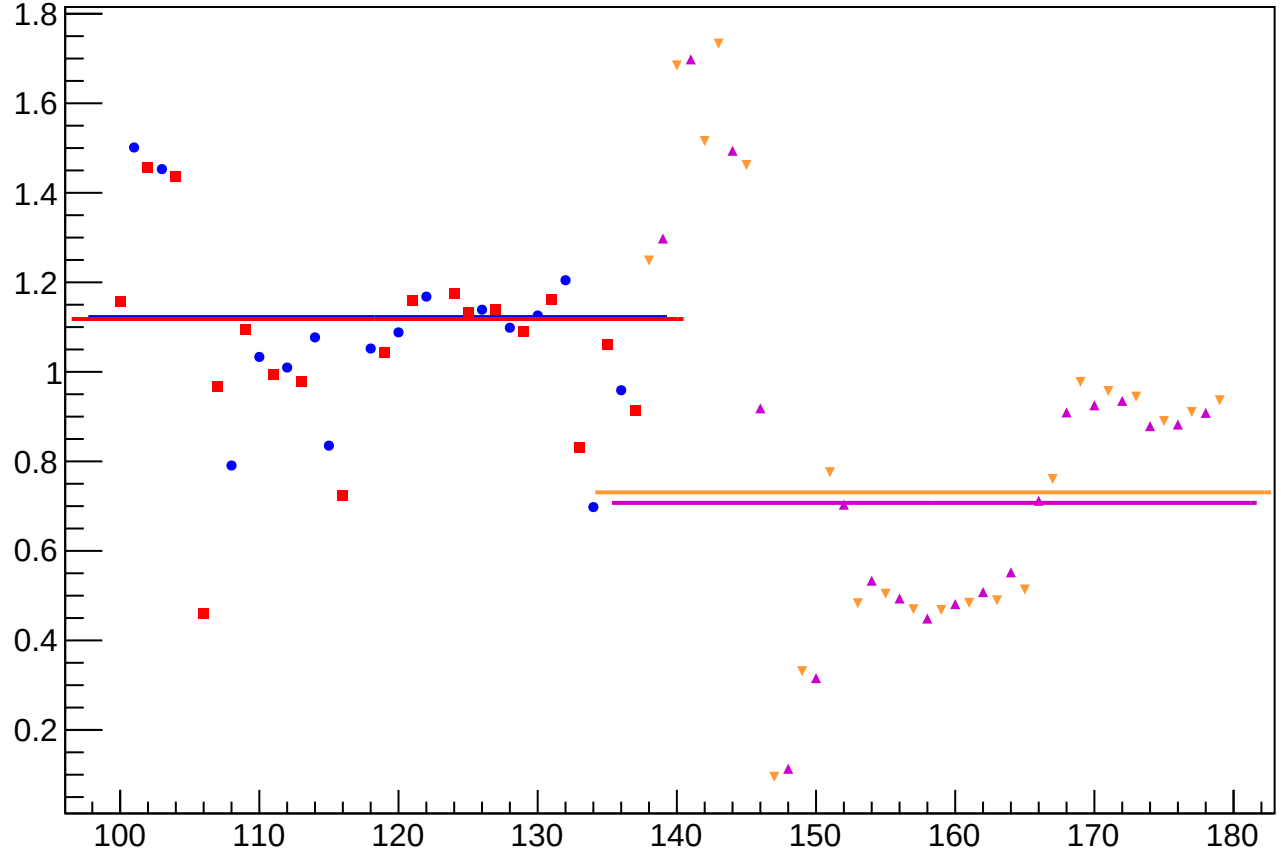
Left In: 0.086+/-0.000 χ^2/NDF:49479.5/19

+ sign 0.085+/-0.000 χ^2/NDF: 172854.6/37

All: 0.086+/-0.000 χ^2/NDF: 274956.1/76

- sign 0.086+/-0.000 χ^2/NDF: 97616.5/38

yield_bpm0r05Y_mean vs Slug



Right In: 1.122+/-0.000 χ^2/NDF: 1454303379.1/15

Left Out: 0.731+/-0.000 χ^2/NDF:31990585208.7/21

Right Out: 1.118+/-0.000 χ^2/NDF: 1570269350.9/18

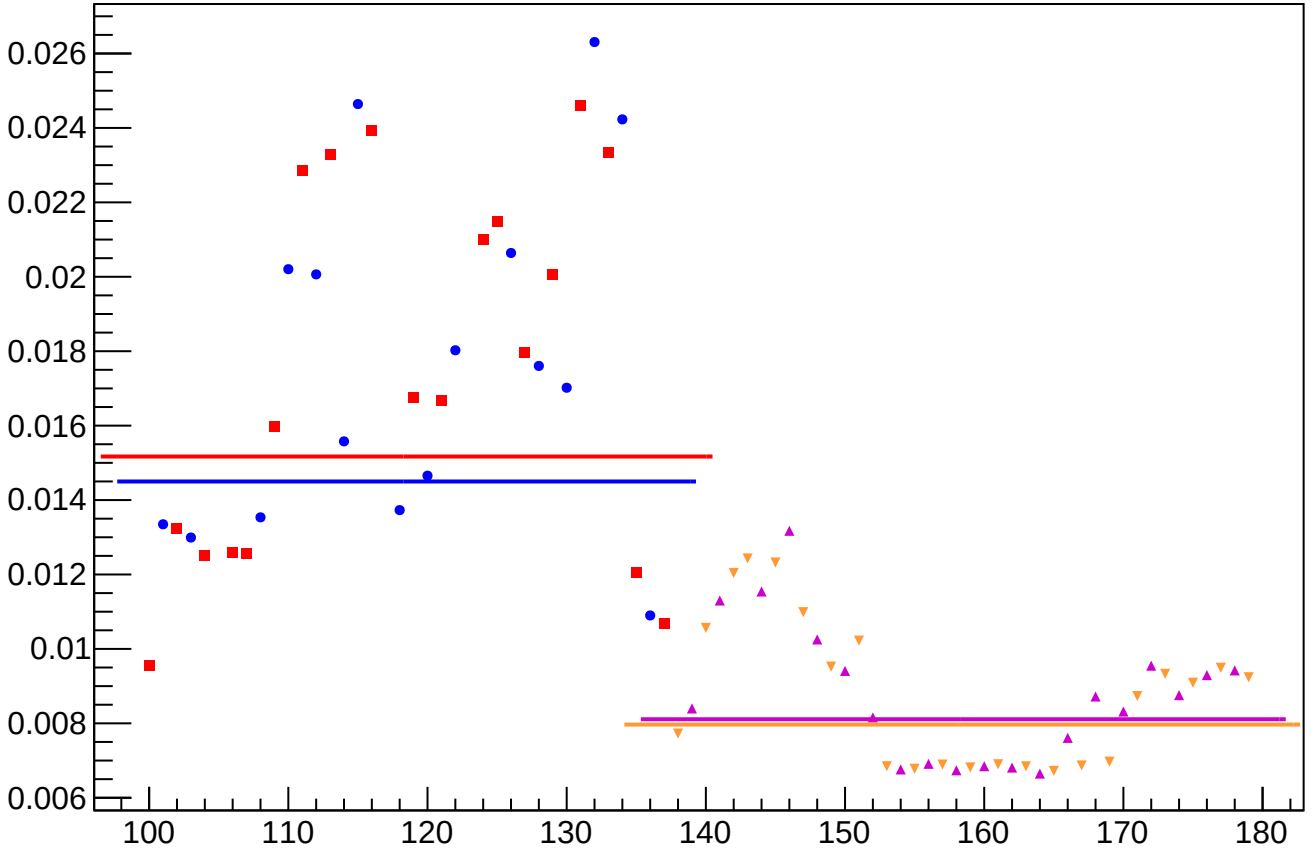
Left In: 0.707+/-0.000 χ^2/NDF:24867417490.5/19

+ sign 0.770+/-0.000 χ^2/NDF: 37361577012.8/37

All: 0.761+/-0.000 χ^2/NDF: 67877249196.8/7

- sign 0.750+/-0.000 χ^2/NDF: 30463090703.7/38

yield_bpm0r05Y_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 710345.3/15

Left Out: 0.008+/-0.000 χ^2/NDF:1298114.8/21

Right Out: 0.015+/-0.000 χ^2/NDF: 864637.6/18

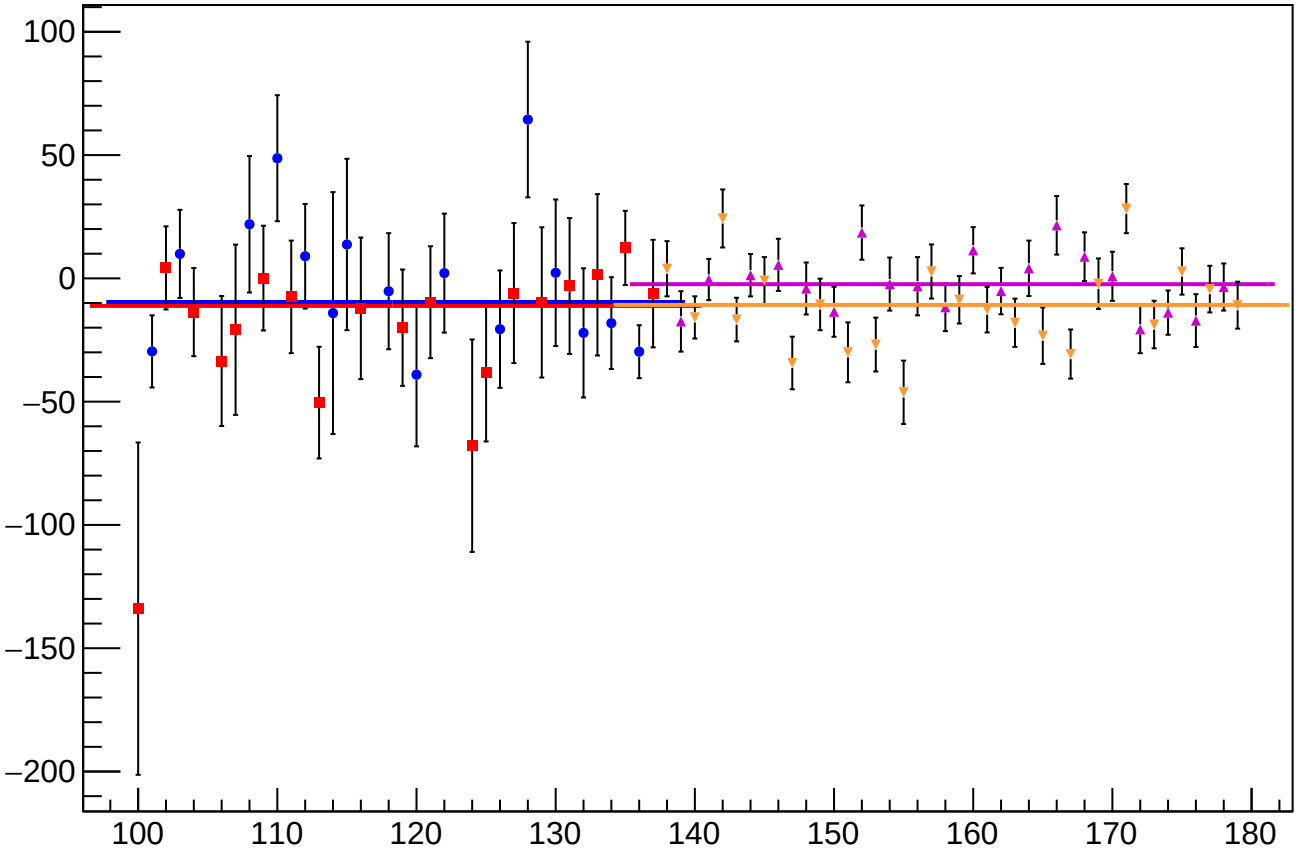
Left In: 0.008+/-0.000 χ^2/NDF:1061507.0/19

+ sign 0.009+/-0.000 χ^2/NDF: 4187642.8/37

All: 0.009+/-0.000 χ^2/NDF: 8505337.2/76

- sign 0.009+/-0.000 χ^2/NDF: 4304126.2/38

diff_bpm4aX_mean vs Slug



Right In: -9.581+/-5.291 χ^2/NDF: 21.9/15

Left Out: -10.763+/-2.159 χ^2/NDF:56.2/21

Right Out: -11.177+/-5.497 χ^2/NDF: 13.9/18

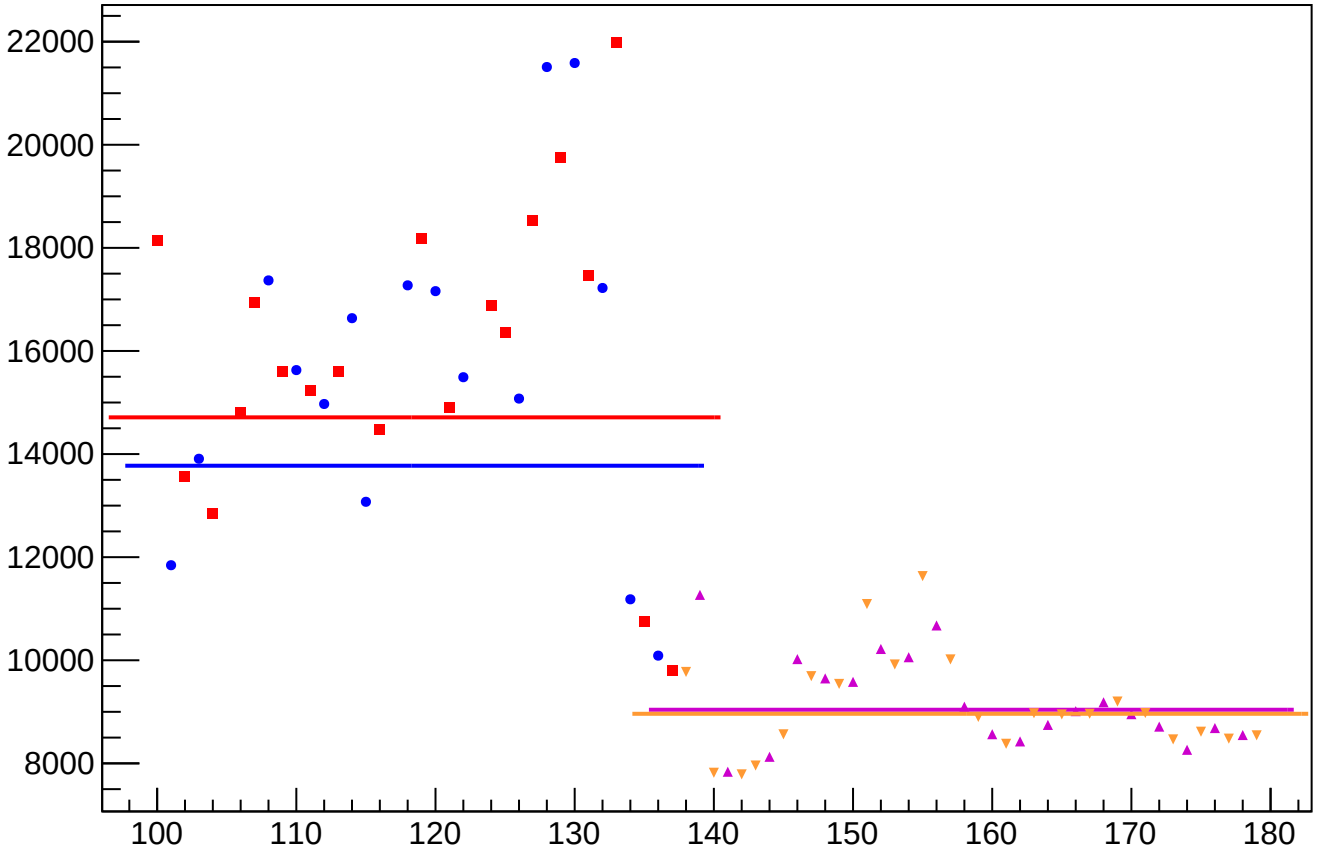
Left In: -2.358+/-2.250 χ^2/NDF:23.2/19

+ sign -10.594+/-1.999 χ^2/NDF: 78.2/37

All: -7.251+/-1.442 χ^2/NDF: 123.3/76

- sign -3.624+/-2.082 χ^2/NDF: 39.3/38

diff_bpm4aX_rms vs Slug



Right In: 13773.886+/-3.741 χ^2/NDF: 747586.2/15

Left Out: 8961.717+/-1.527 χ^2/NDF:318734.4/21

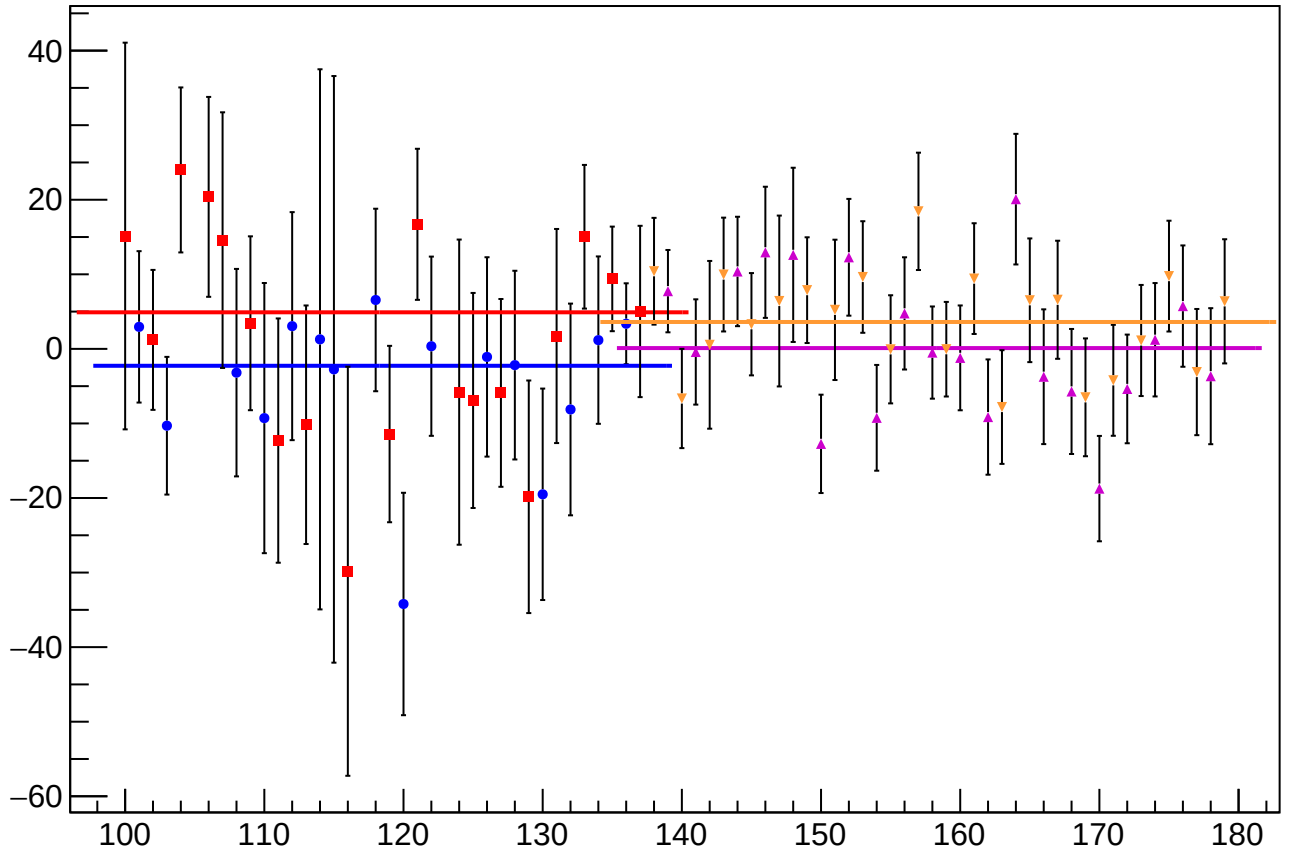
Right Out: 14712.201+/-3.887 χ^2/NDF: 557305.5/18

Left In: 9040.245+/-1.591 χ^2/NDF:279112.5/19

+ sign 9648.583+/-1.413 χ^2/NDF: 2484734.1/37

All: 9747.152+/-1.020 χ^2/NDF: 5154976.1/76

- sign 9854.128+/-1.472 χ^2/NDF: 2660100.1/38



Right In: -2.267+/-2.922 χ^2/NDF: 9.3/15

Left Out: 3.607+/-1.645 χ^2/NDF:16.7/21

Right Out: 4.904+/-2.836 χ^2/NDF: 17.6/18

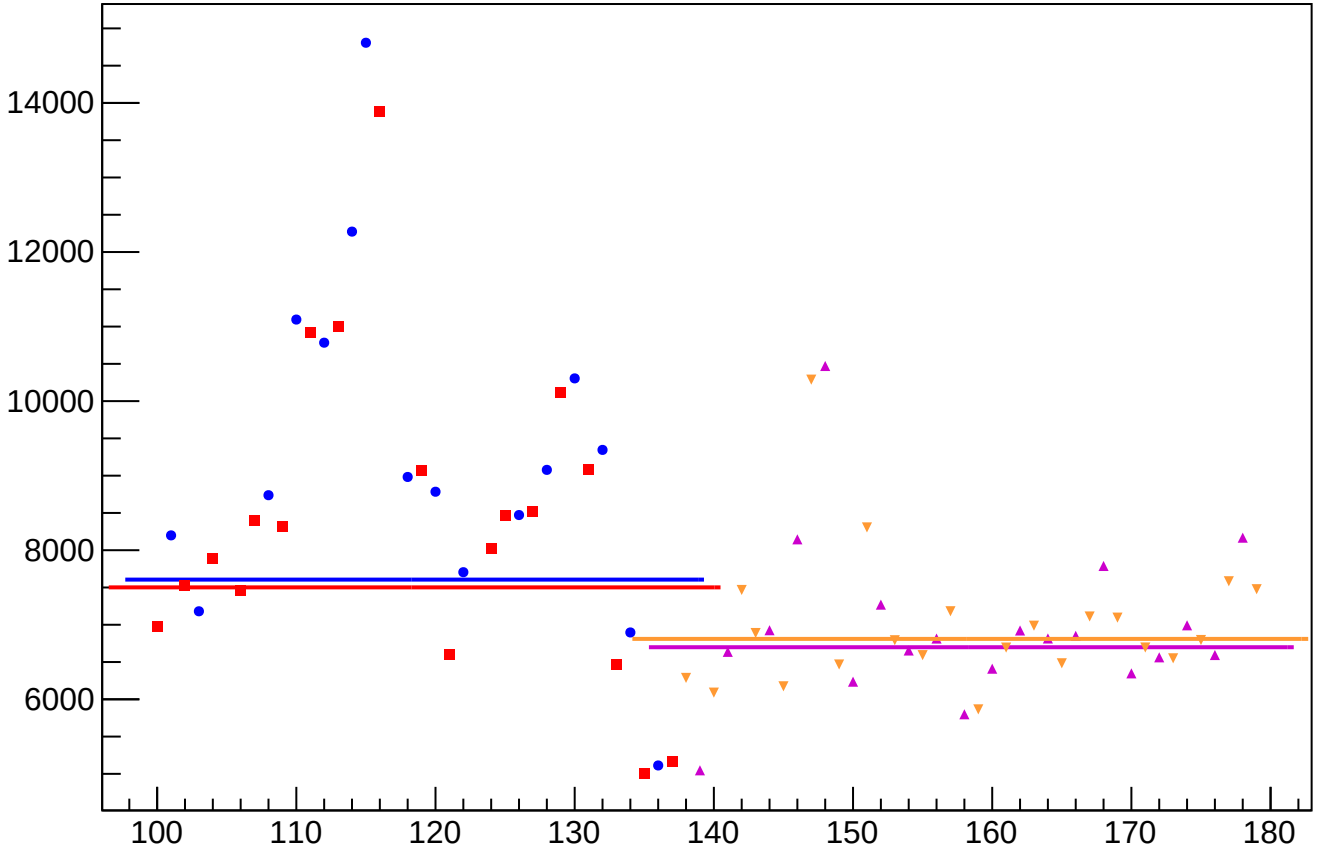
Left In: 0.107+/-1.680 χ^2/NDF:31.2/19

+ sign 2.193+/-1.433 χ^2/NDF: 29.1/37

All: 1.776+/-1.018 χ^2/NDF: 80.1/76

- sign 1.352+/-1.445 χ^2/NDF: 50.9/38

diff_bpm4aY_rms vs Slug



Right In: 7605.700+/-2.066 χ^2/NDF: 891494.3/15

Left Out: 6810.384+/-1.163 χ^2/NDF:391129.2/21

Right Out: 7501.522+/-2.005 χ^2/NDF: 823557.5/18

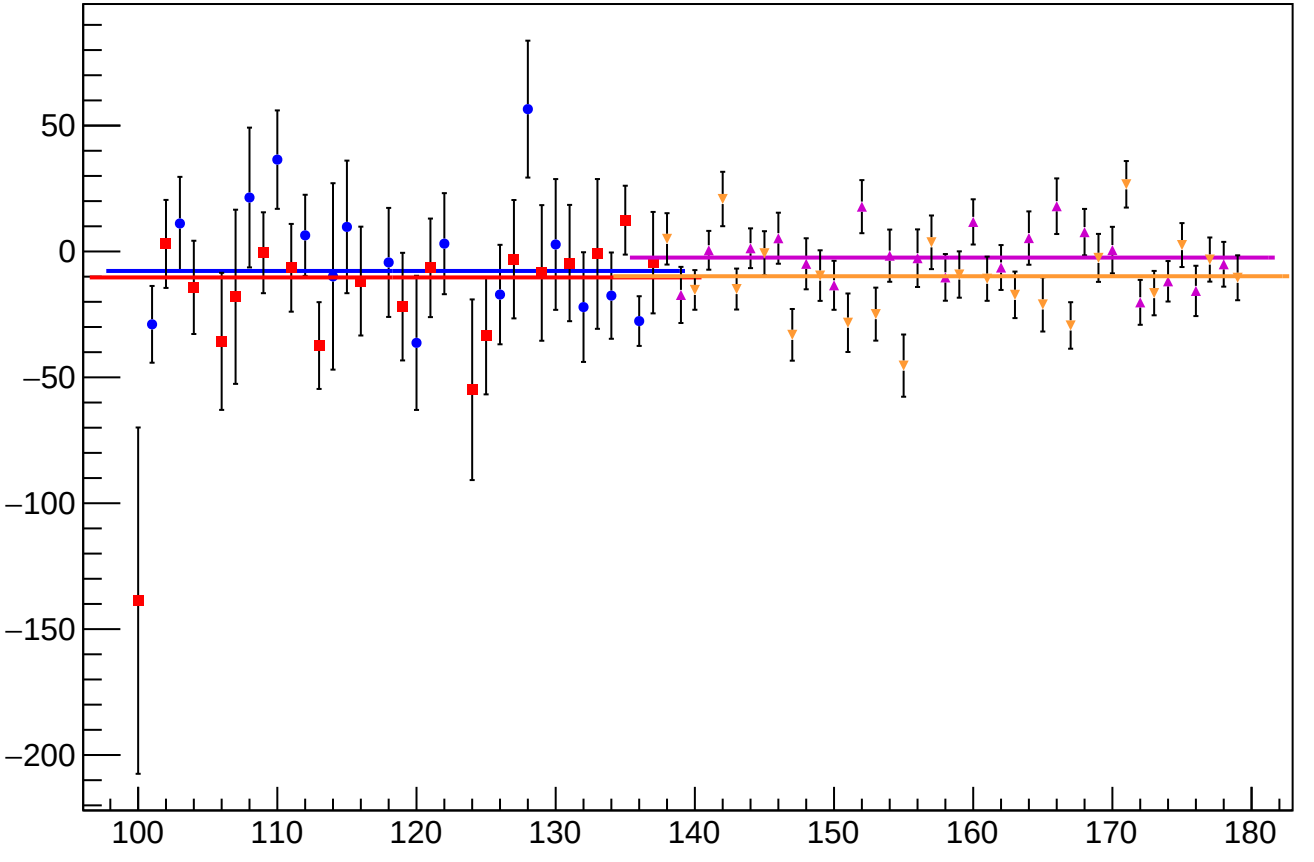
Left In: 6698.608+/-1.188 χ^2/NDF:607711.6/19

+ sign 7001.779+/-1.014 χ^2/NDF: 1395129.9/37

All: 6954.827+/-0.720 χ^2/NDF: 2949411.3/76

- sign 6907.105+/-1.022 χ^2/NDF: 1549954.8/38

diff_bpm4eX_mean vs Slug



Right In: -7.741+/-4.748 χ^2/NDF: 22.7/15

Left Out: -9.836+/-2.021 χ^2/NDF:57.3/21

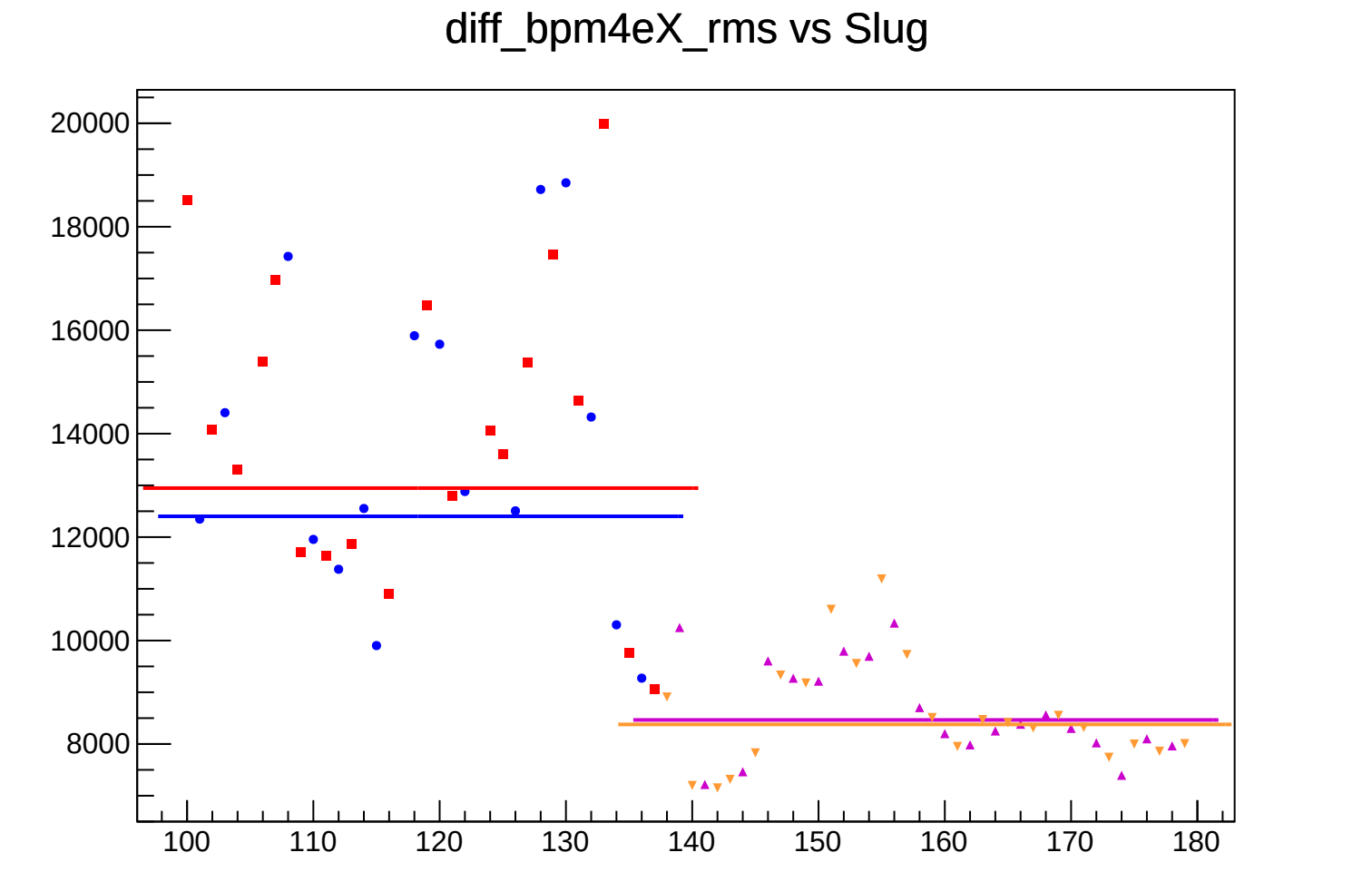
Right Out: -10.307+/-4.840 χ^2/NDF: 13.9/18

Left In: -2.428+/-2.109 χ^2/NDF:23.6/19

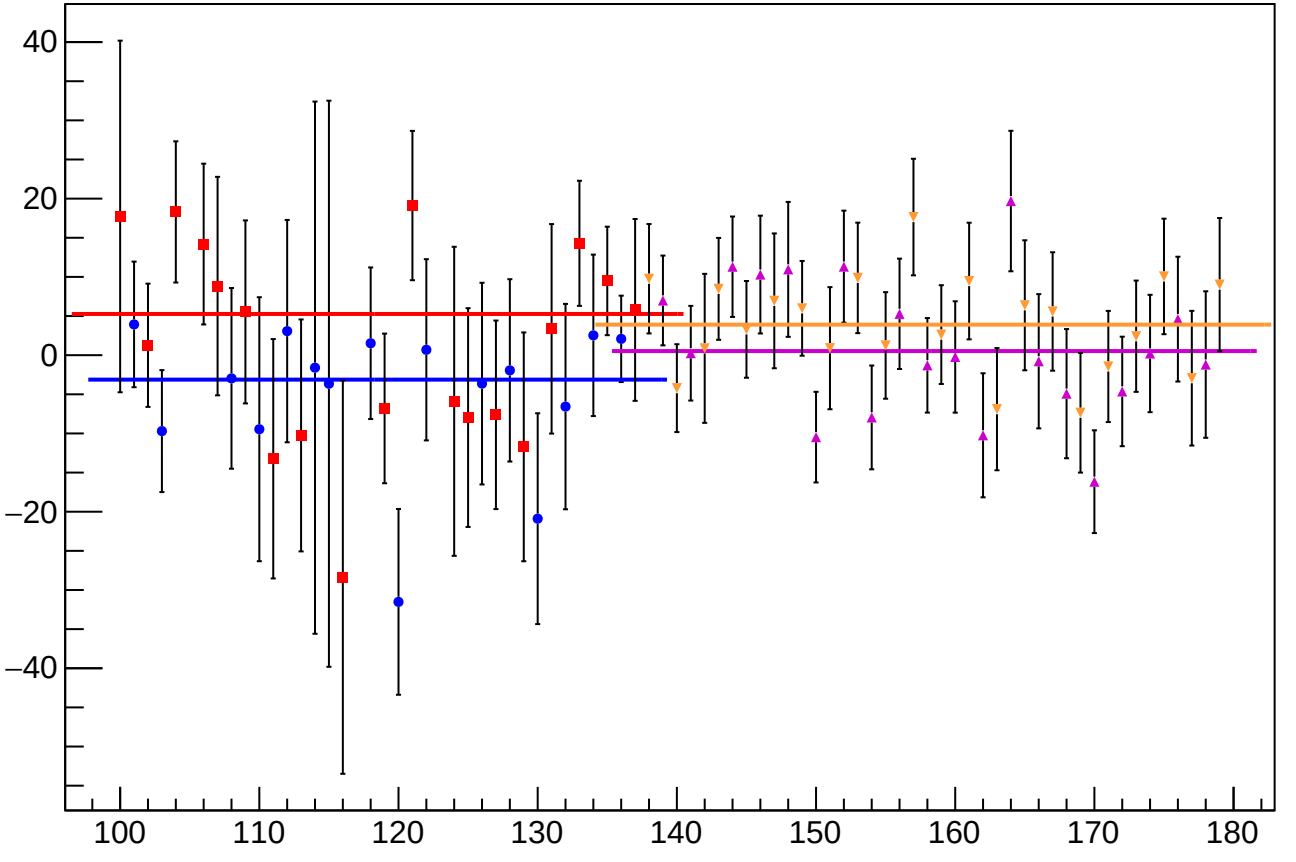
+ sign -9.515+/-1.860 χ^2/NDF: 80.1/37

All: -6.714+/-1.340 χ^2/NDF: 124.6/76

- sign -3.686+/-1.934 χ^2/NDF: 39.7/38


diff_bpm4eX_rms vs Slug
20000
18000
16000
14000
12000
10000
8000
100
110
120
130
140
150
160
170
180
Right In: 12401.769+/-3.357 χ²/NDF: 678310.8/15
Left Out: 8378.452+/-1.429 χ²/NDF:413137.0/21
Right Out: 12947.255+/-3.422 χ²/NDF: 555198.3/18
Left In: 8465.033+/-1.492 χ²/NDF:359444.2/19
+ sign 8995.703+/-1.315 χ²/NDF: 2307119.2/37
All: 9084.541+/-0.948 χ²/NDF: 4672849.9/76
- sign 9180.581+/-1.367 χ²/NDF: 2356233.8/38

diff_bpm4eY_mean vs Slug



Right In: -3.123+/-2.656 χ^2/NDF: 10.9/15

Left Out: 3.900+/-1.536 χ^2/NDF:15.2/21

Right Out: 5.265+/-2.553 χ^2/NDF: 16.9/18

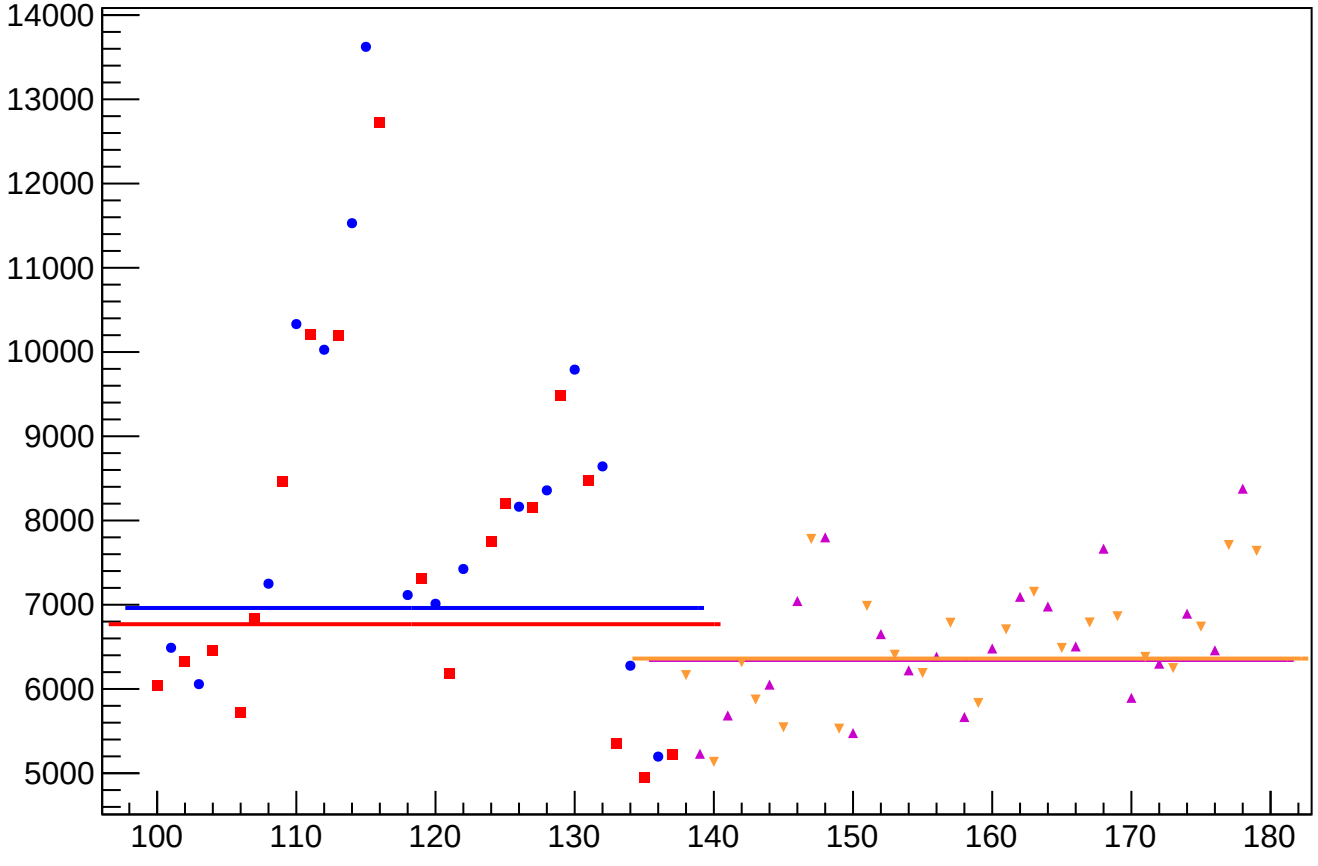
Left In: 0.526+/-1.585 χ^2/NDF:29.5/19

+ sign 2.140+/-1.330 χ^2/NDF: 31.3/37

All: 1.994+/-0.946 χ^2/NDF: 80.2/76

- sign 1.845+/-1.347 χ^2/NDF: 48.9/38

diff_bpm4eY_rms vs Slug



Right In: 6961.606+/-1.878 χ^2/NDF: 696410.4/15

Left Out: 6361.121+/-1.086 χ^2/NDF:410498.7/21

Right Out: 6768.993+/-1.805 χ^2/NDF: 798105.0/18

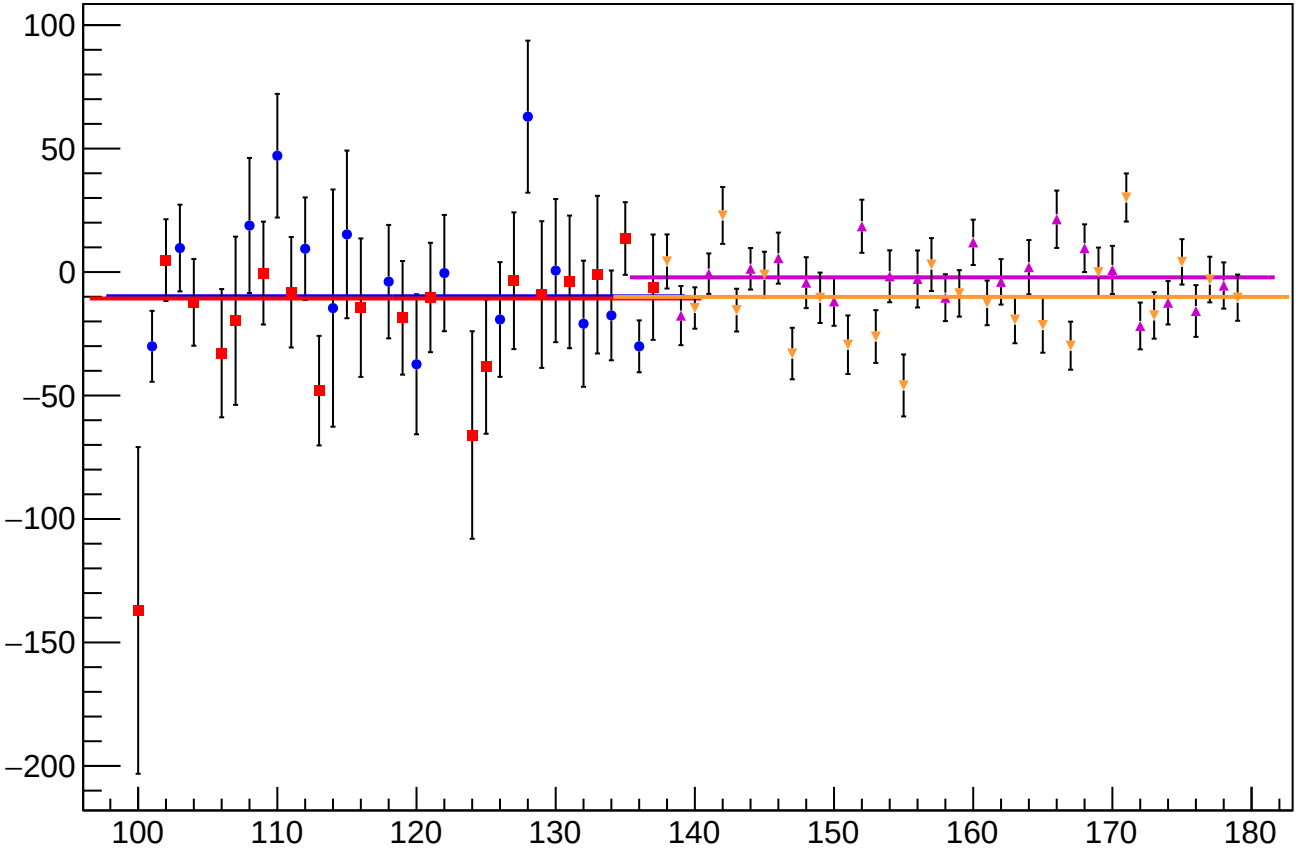
Left In: 6344.712+/-1.121 χ^2/NDF:447845.7/19

+ sign 6511.646+/-0.940 χ^2/NDF: 1183531.9/37

All: 6487.533+/-0.669 χ^2/NDF: 2470678.8/76

- sign 6462.790+/-0.952 χ^2/NDF: 1285814.1/38

diff_bpm4acX_mean vs Slug



Right In: -9.810+/-5.178 χ^2/NDF: 22.0/15

Left Out: -10.062+/-2.112 χ^2/NDF:58.7/21

Right Out: -10.703+/-5.381 χ^2/NDF: 14.3/18

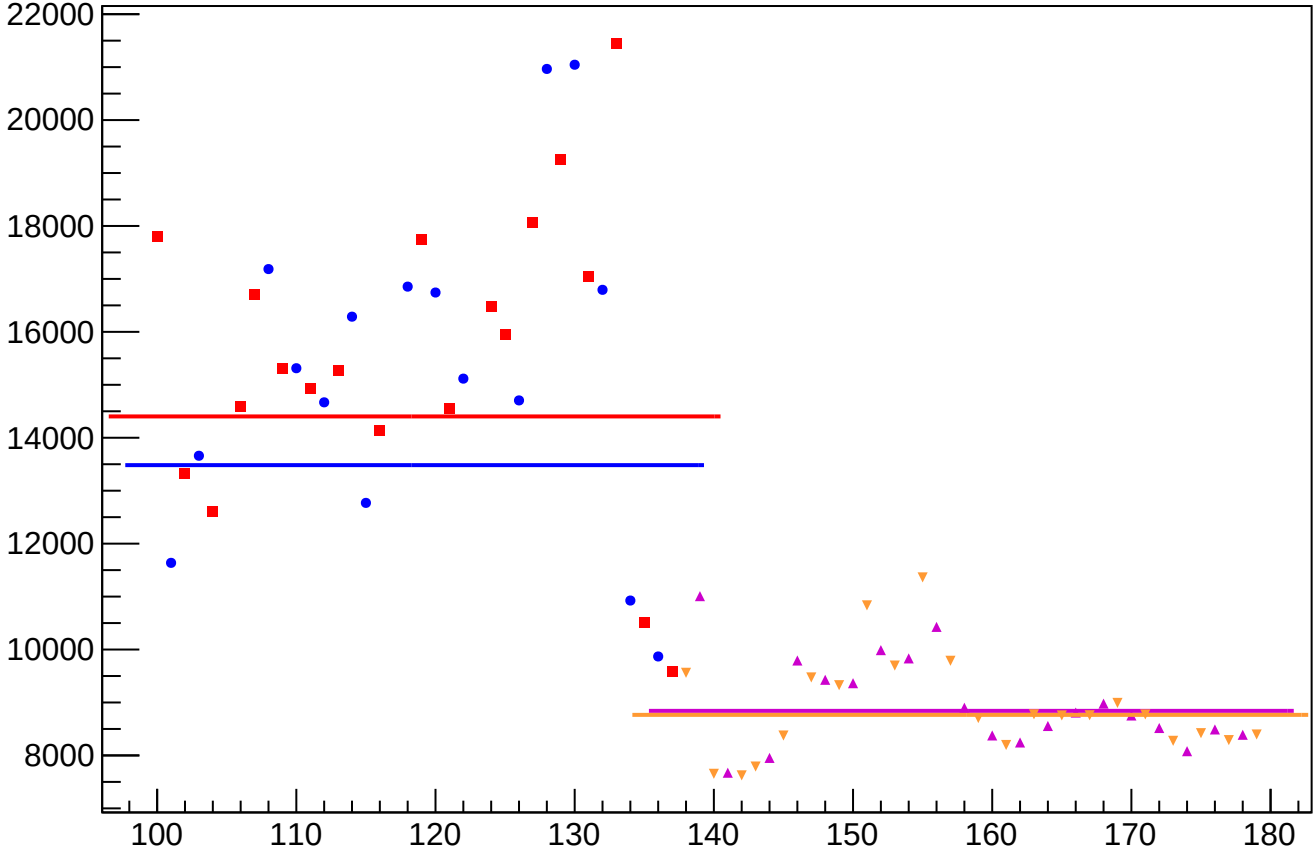
Left In: -2.142+/-2.200 χ^2/NDF:23.7/19

+ sign -10.026+/-1.955 χ^2/NDF: 80.8/37

All: -6.833+/-1.410 χ^2/NDF: 126.5/76

- sign -3.368+/-2.037 χ^2/NDF: 40.2/38

diff_bpm4acX_rms vs Slug



Right In: 13482.879+/-3.661 χ^2/NDF: 743704.4/15

Left Out: 8766.096+/-1.493 χ^2/NDF:315061.5/21

Right Out: 14402.670+/-3.805 χ^2/NDF: 552430.0/18

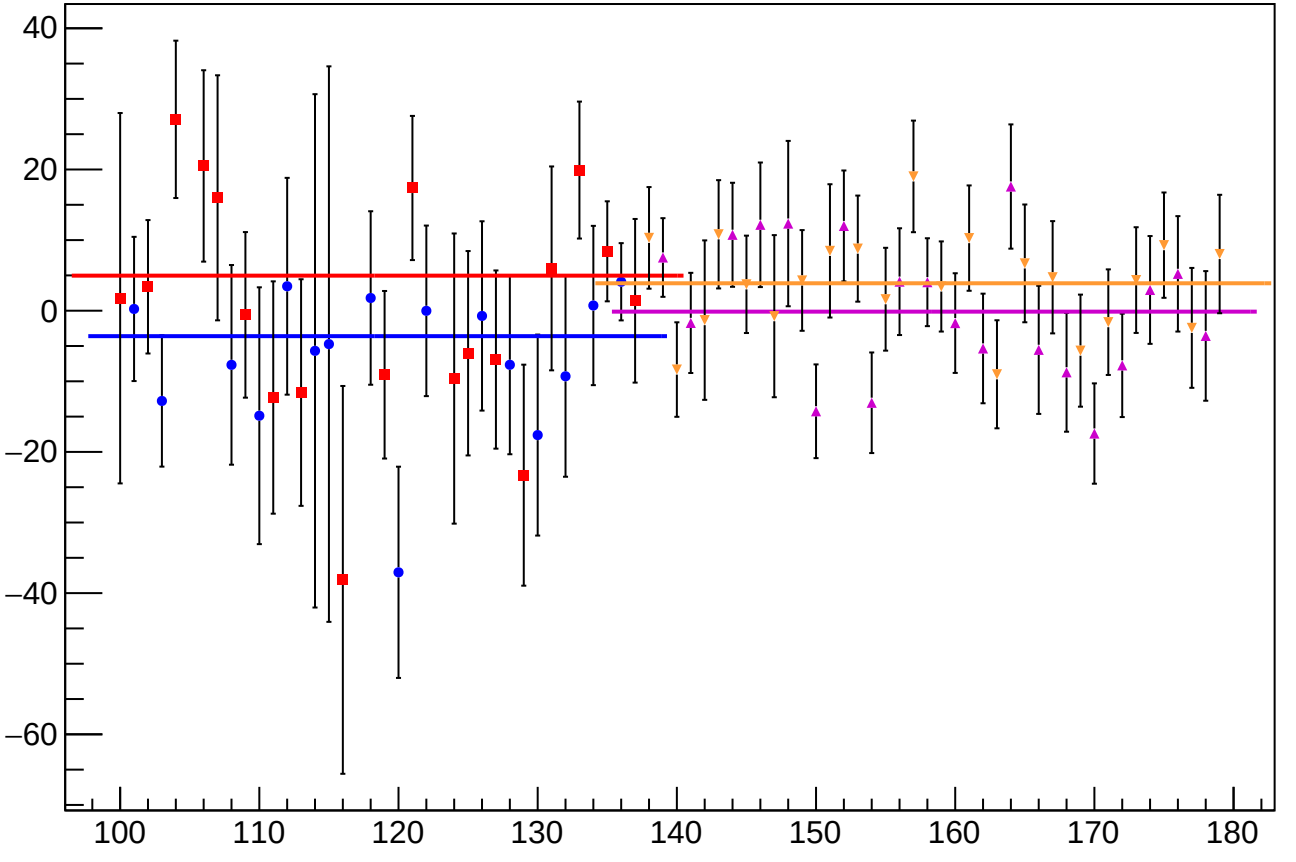
Left In: 8841.734+/-1.556 χ^2/NDF:275569.7/19

+ sign 9438.600+/-1.383 χ^2/NDF: 2481693.6/37

All: 9534.484+/-0.997 χ^2/NDF: 5149943.9/76

- sign 9638.529+/-1.440 χ^2/NDF: 2658221.1/38

diff_bpm4acY_mean vs Slug



Right In: -3.605+/-2.940 χ^2/NDF: 10.5/15

Left Out: 3.885+/-1.653 χ^2/NDF:16.8/21

Right Out: 4.965+/-2.855 χ^2/NDF: 21.4/18

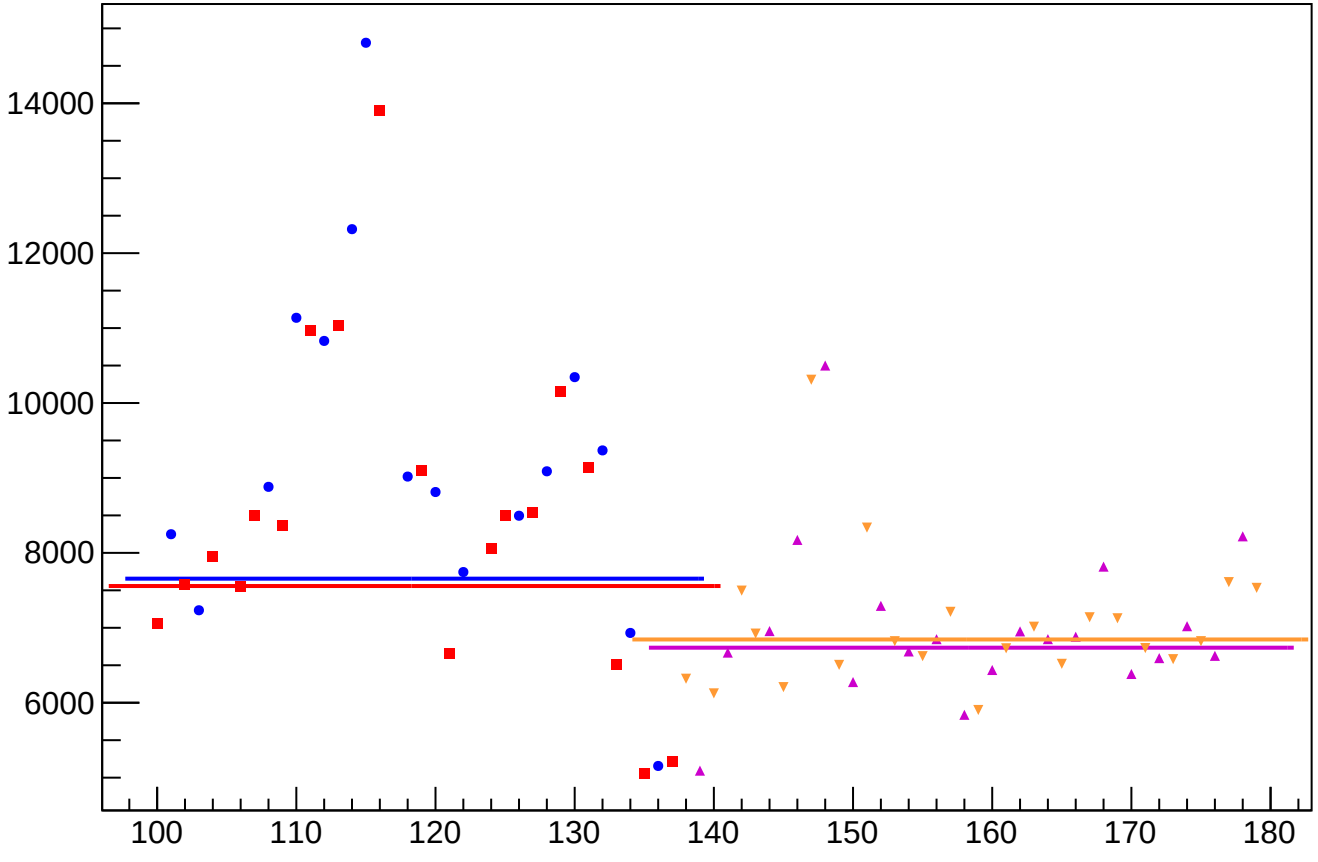
Left In: -0.134+/-1.688 χ^2/NDF:31.8/19

+ sign 2.086+/-1.441 χ^2/NDF: 32.2/37

All: 1.640+/-1.023 χ^2/NDF: 88.0/76

- sign 1.187+/-1.453 χ^2/NDF: 55.6/38

diff_bpm4acY_rms vs Slug



Right In: 7655.851+/-2.079 χ^2/NDF: 879769.7/15

Left Out: 6844.271+/-1.169 χ^2/NDF:386714.5/21

Right Out: 7557.497+/-2.019 χ^2/NDF: 809860.3/18

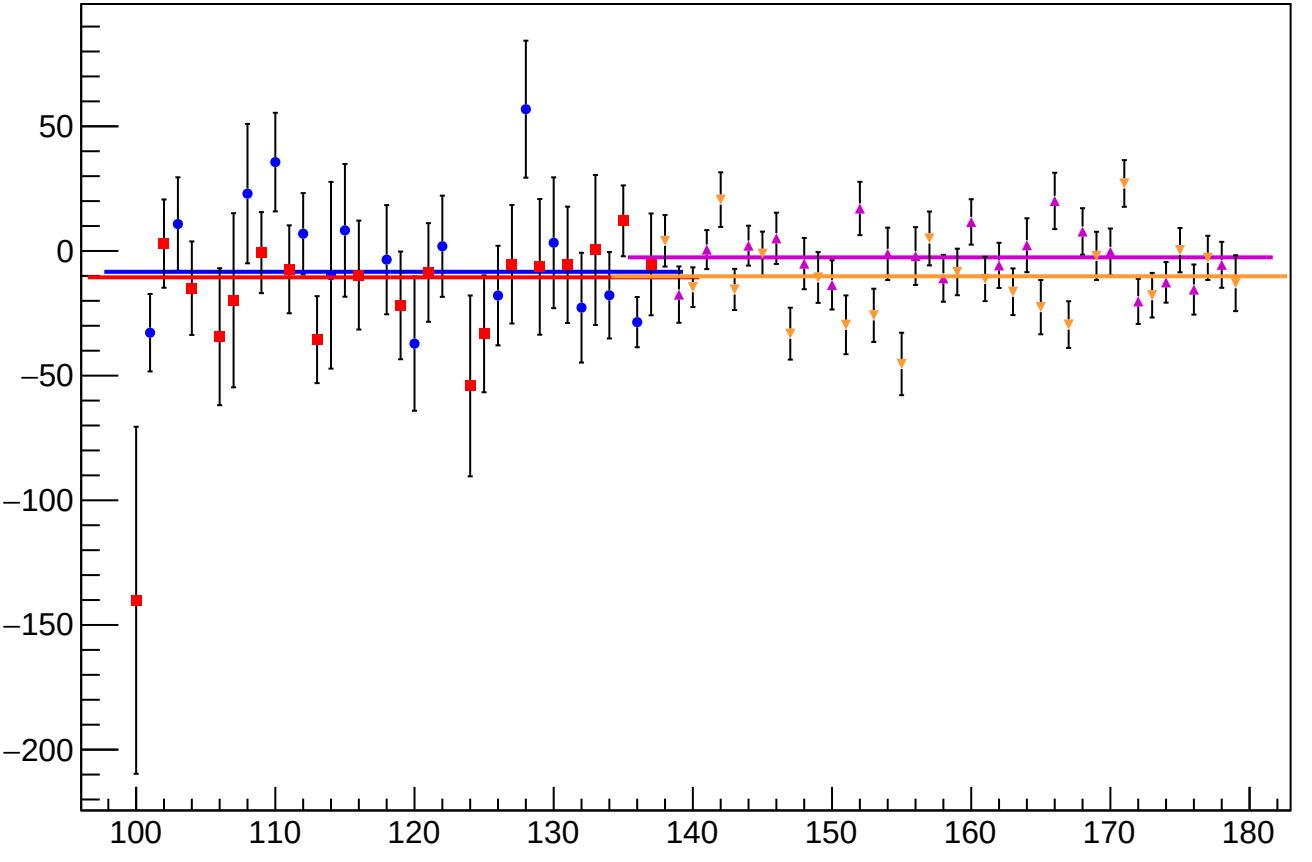
Left In: 6734.449+/-1.194 χ^2/NDF:597347.2/19

+ sign 7039.199+/-1.019 χ^2/NDF: 1382288.1/37

All: 6993.805+/-0.723 χ^2/NDF: 2916626.5/76

- sign 6947.627+/-1.028 χ^2/NDF: 1530333.7/38

diff_bpm4ecX_mean vs Slug



Right In: -8.352+/-4.814 χ^2/NDF: 23.2/15

Left Out: -10.150+/-2.067 χ^2/NDF:56.6/21

Right Out: -10.573+/-4.911 χ^2/NDF: 12.9/18

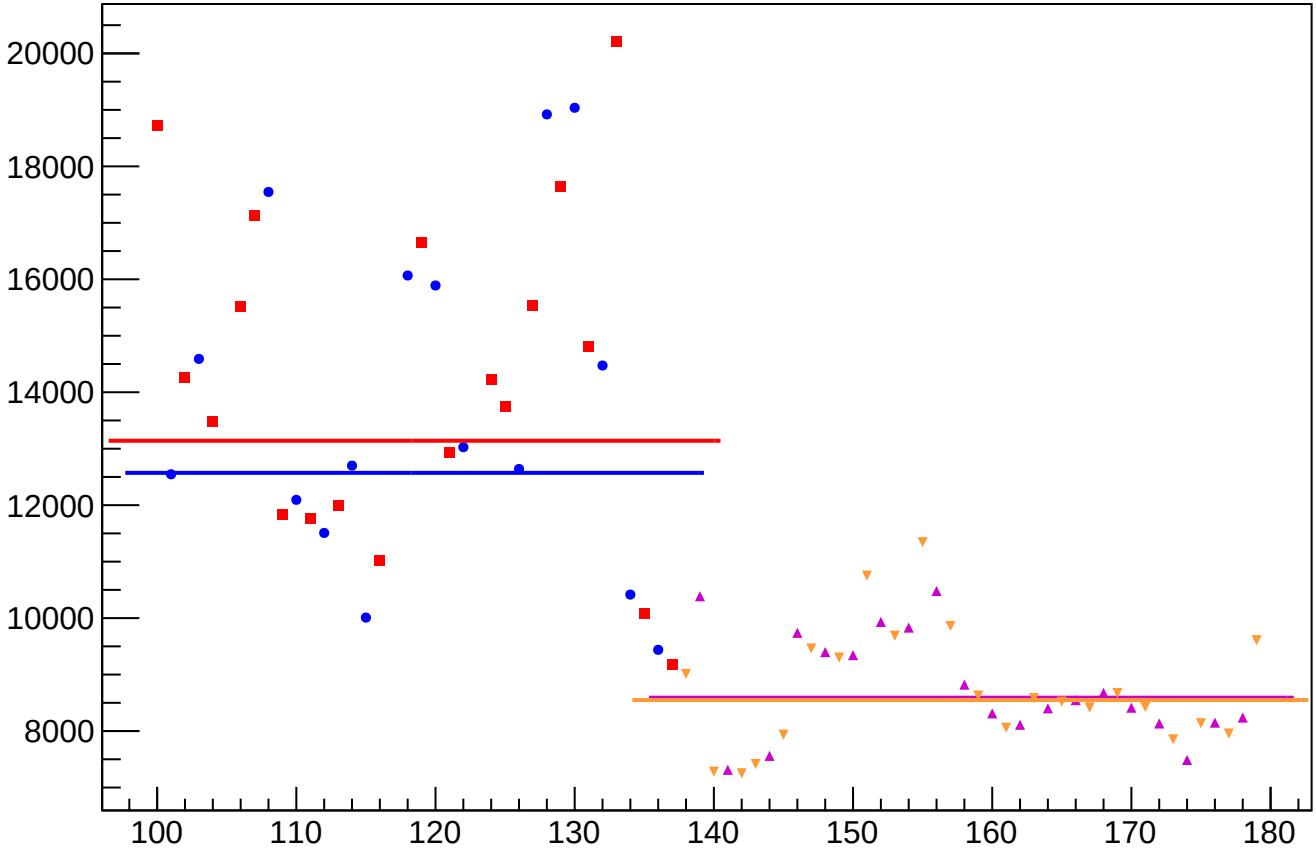
Left In: -2.565+/-2.141 χ^2/NDF:23.4/19

\+ sign -9.870+/-1.899 χ^2/NDF: 80.0/37

All: -6.956+/-1.365 χ^2/NDF: 123.4/76

\- sign -3.844+/-1.963 χ^2/NDF: 38.6/38

diff_bpm4ecX_rms vs Slug



Right In: 12572.586+/-3.404 χ^2/NDF: 665026.8/15

Left Out: 8549.100+/-1.462 χ^2/NDF:428832.4/21

Right Out: 13141.218+/-3.473 χ^2/NDF: 534726.5/18

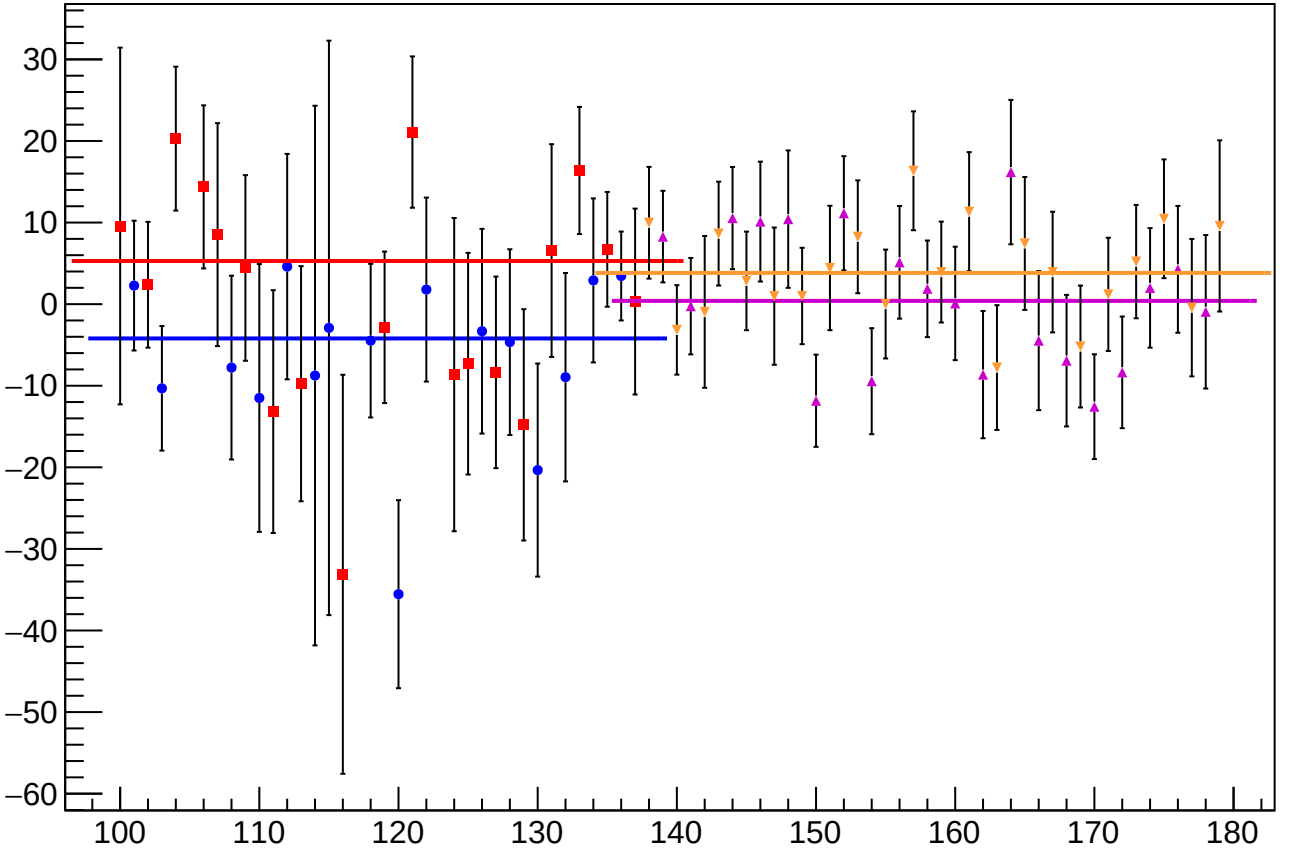
Left In: 8591.090+/-1.514 χ^2/NDF:357450.7/19

+ sign 9175.577+/-1.343 χ^2/NDF: 2273535.6/37

All: 9244.467+/-0.965 χ^2/NDF: 4613795.7/76

- sign 9318.035+/-1.388 χ^2/NDF: 2334820.1/38

diff_bpm4ecY_mean vs Slug



Right In: -4.204+/-2.600 χ^2/NDF: 13.9/15

Left Out: 3.826+/-1.512 χ^2/NDF:13.9/21

Right Out: 5.288+/-2.502 χ^2/NDF: 19.7/18

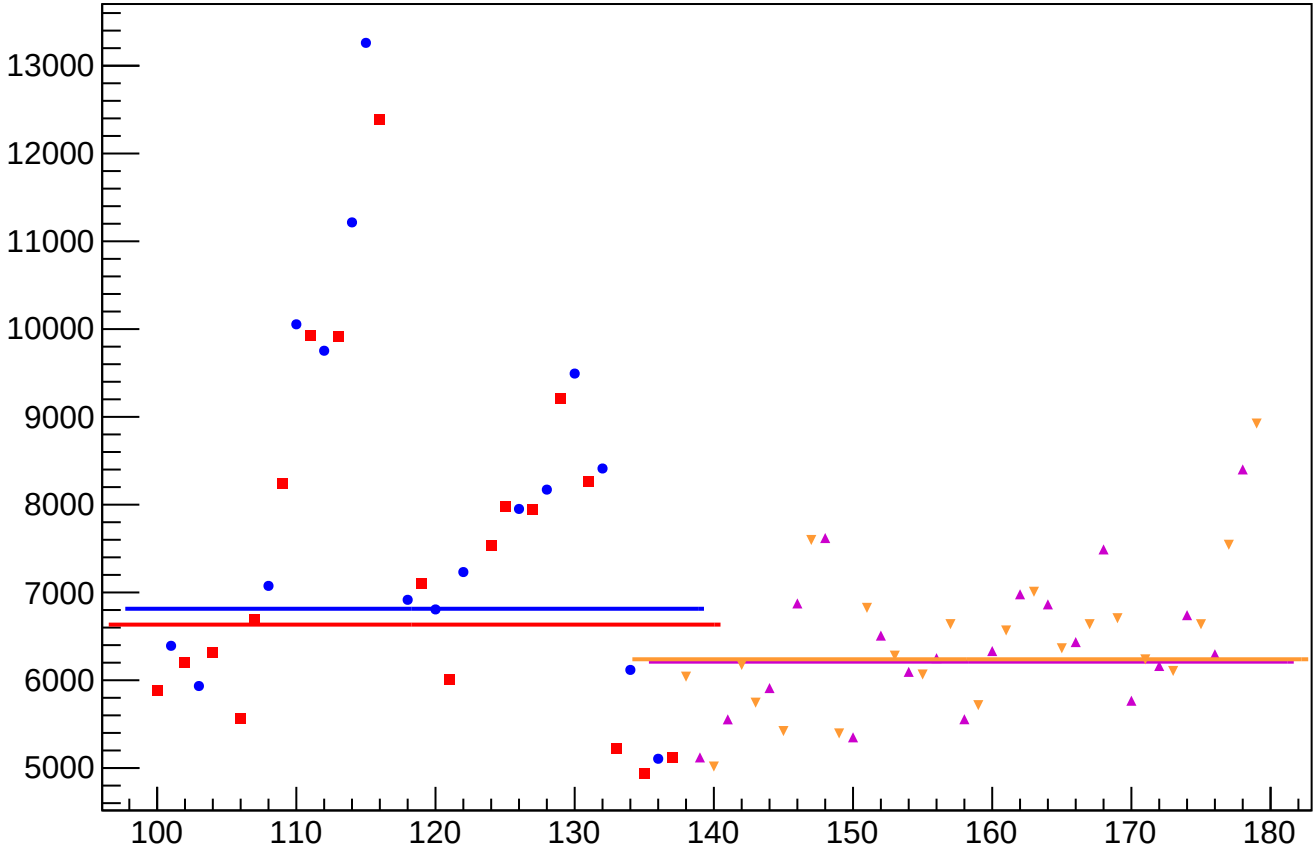
Left In: 0.400+/-1.553 χ^2/NDF:29.4/19

+ sign 1.797+/-1.307 χ^2/NDF: 34.9/37

All: 1.778+/-0.929 χ^2/NDF: 86.7/76

- sign 1.760+/-1.320 χ^2/NDF: 51.8/38

diff_bpm4ecY_rms vs Slug



Right In: 6814.282+/-1.839 χ^2/NDF: 674093.4/15

Left Out: 6238.939+/-1.069 χ^2/NDF:500568.0/21

Right Out: 6633.695+/-1.769 χ^2/NDF: 763347.6/18

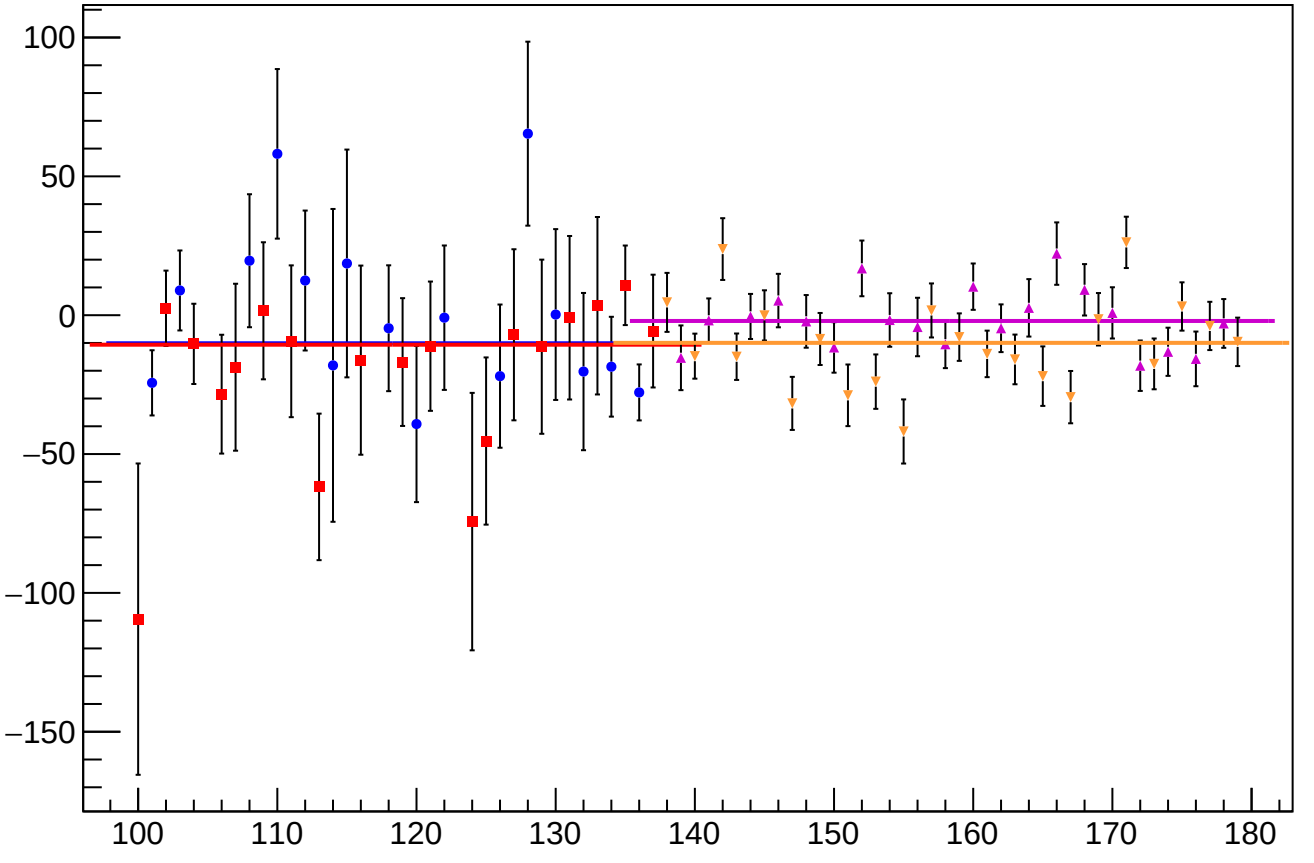
Left In: 6211.603+/-1.098 χ^2/NDF:463632.1/19

+ sign 6384.342+/-0.924 χ^2/NDF: 1247826.0/37

All: 6356.938+/-0.657 χ^2/NDF: 2517667.2/76

- sign 6329.014+/-0.933 χ^2/NDF: 1268066.7/38

diff_bpm1X_mean vs Slug



Right In: -10.113+/-5.017 χ^2/NDF: 21.3/15

Left Out: -9.957+/-1.990 χ^2/NDF:58.1/21

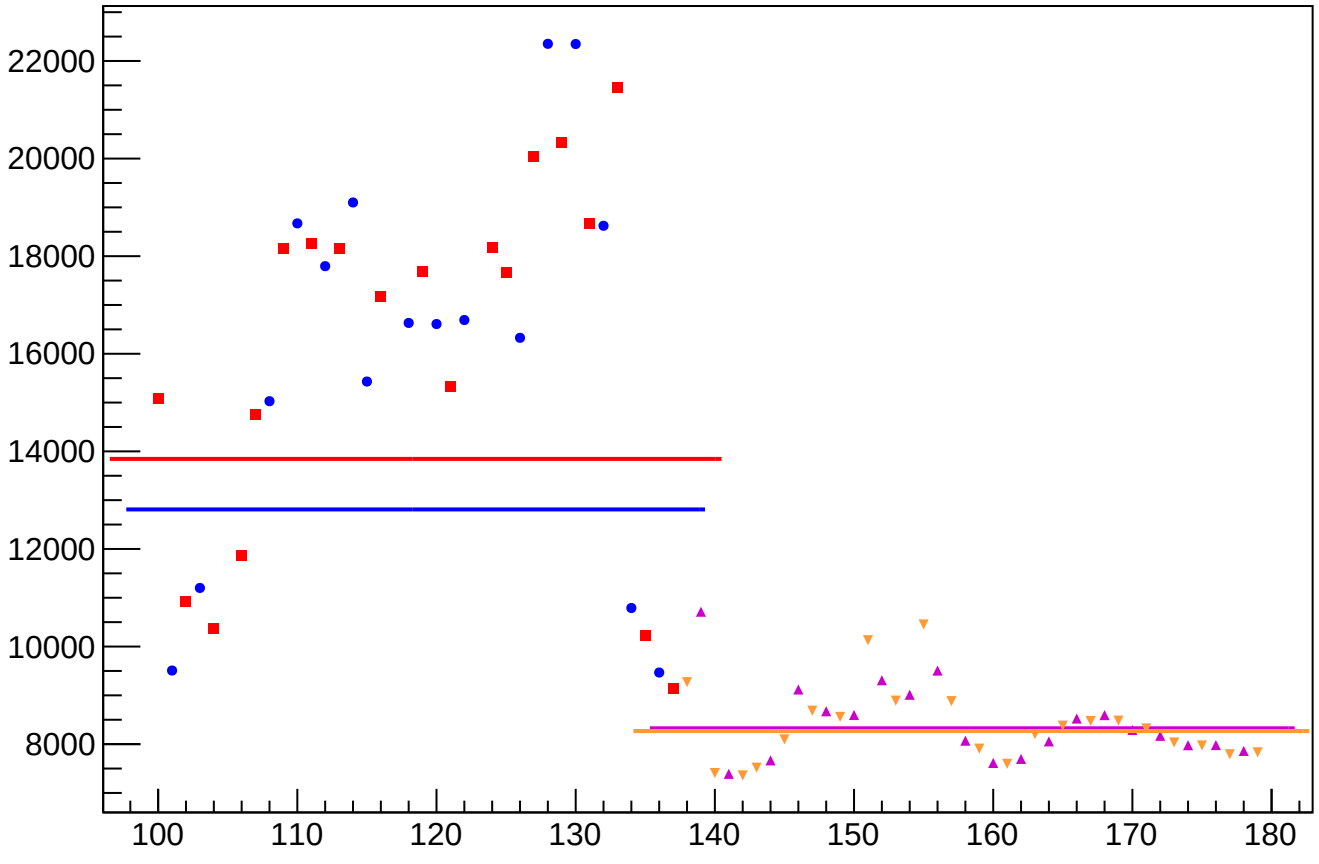
Right Out: -10.624+/-5.277 χ^2/NDF: 14.7/18

Left In: -2.076+/-2.071 χ^2/NDF:23.0/19

+ sign -9.978+/-1.850 χ^2/NDF: 79.4/37

All: -6.737+/-1.335 χ^2/NDF: 125.8/76

- sign -3.217+/-1.928 χ^2/NDF: 40.0/38



Right In: 12809.964+/-3.548 χ^2/NDF: 1248252.1/15

Left Out: 8269.248+/-1.407 χ^2/NDF:253560.0/21

Right Out: 13845.622+/-3.731 χ^2/NDF: 1096555.2/18

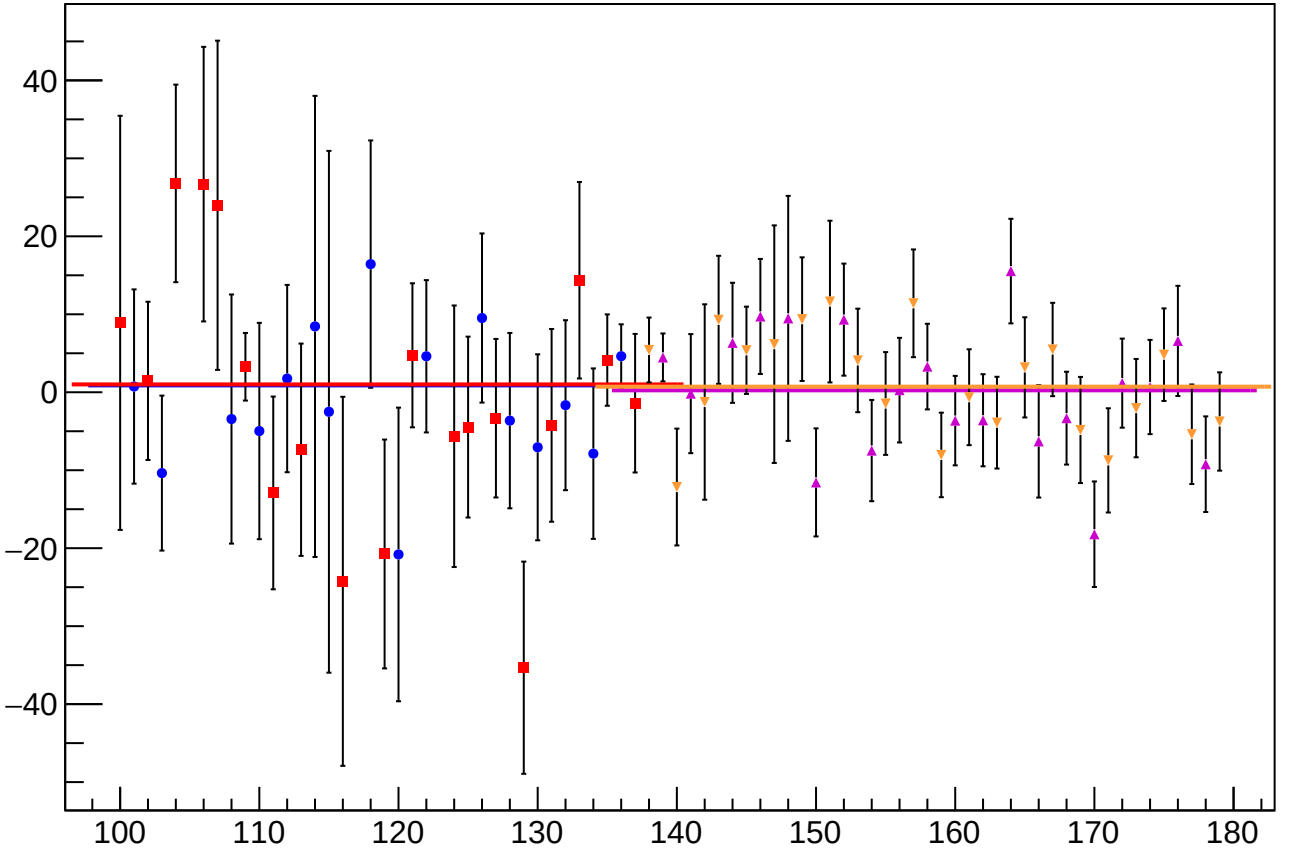
Left In: 8324.758+/-1.464 χ^2/NDF:240485.5/19

+ sign 8886.464+/-1.308 χ^2/NDF: 2917281.1/37

All: 8970.419+/-0.944 χ^2/NDF: 6160100.7/76

- sign 9061.597+/-1.363 χ^2/NDF: 3234225.5/38

diff_bpm1Y_mean vs Slug



Right In: 0.882+/-2.566 χ^2/NDF: 6.8/15

Left Out: 0.716+/-1.395 χ^2/NDF:20.0/21

Right Out: 1.006+/-2.314 χ^2/NDF: 22.3/18

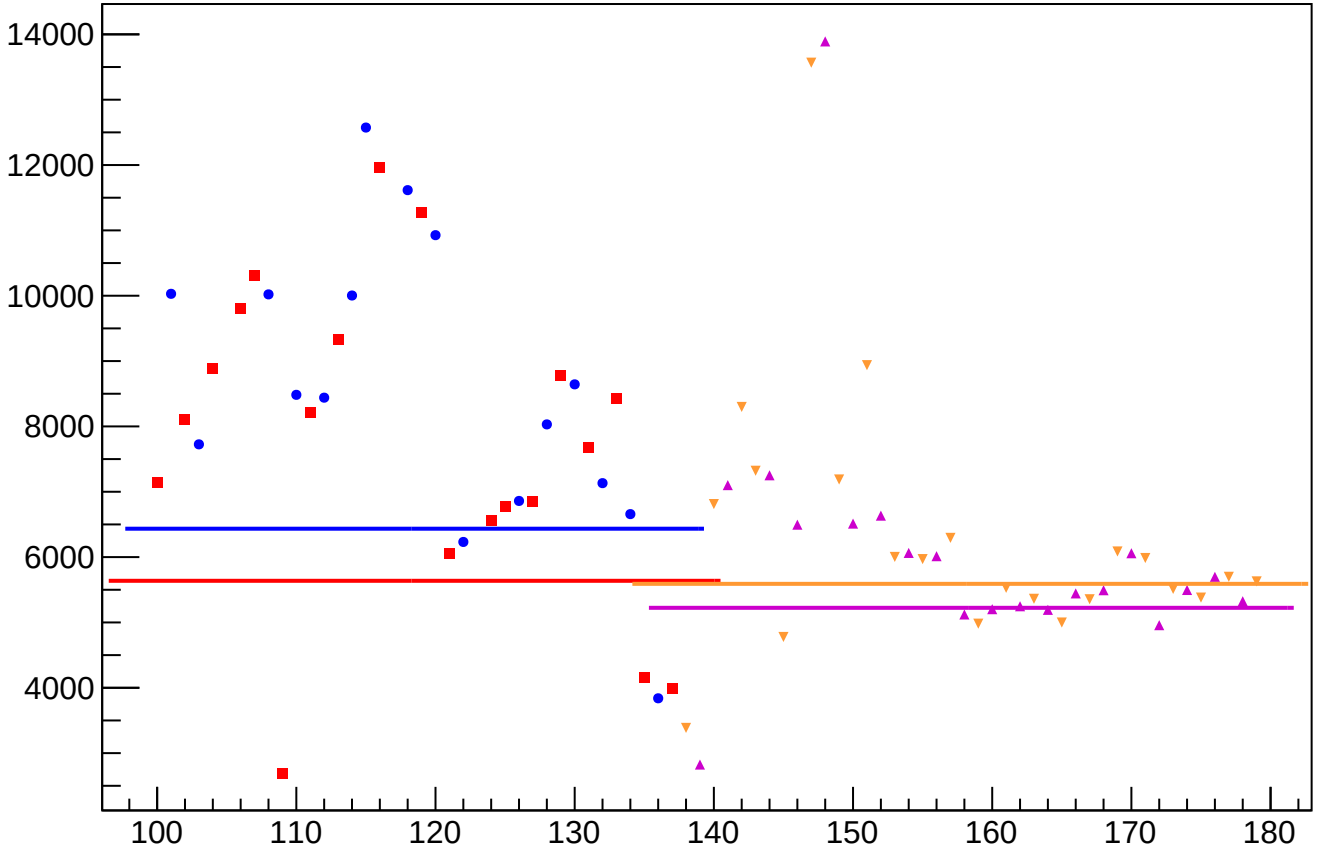
Left In: 0.246+/-1.365 χ^2/NDF:28.6/19

+ sign 0.754+/-1.226 χ^2/NDF: 26.9/37

All: 0.592+/-0.848 χ^2/NDF: 77.9/76

- sign 0.442+/-1.176 χ^2/NDF: 51.0/38

diff_bpm1Y_rms vs Slug



Right In: 6434.559+/-1.814 χ^2/NDF: 1750609.4/15

Left Out: 5590.722+/-0.987 χ^2/NDF:1782807.9/21

Right Out: 5637.344+/-1.636 χ^2/NDF: 2580013.6/18

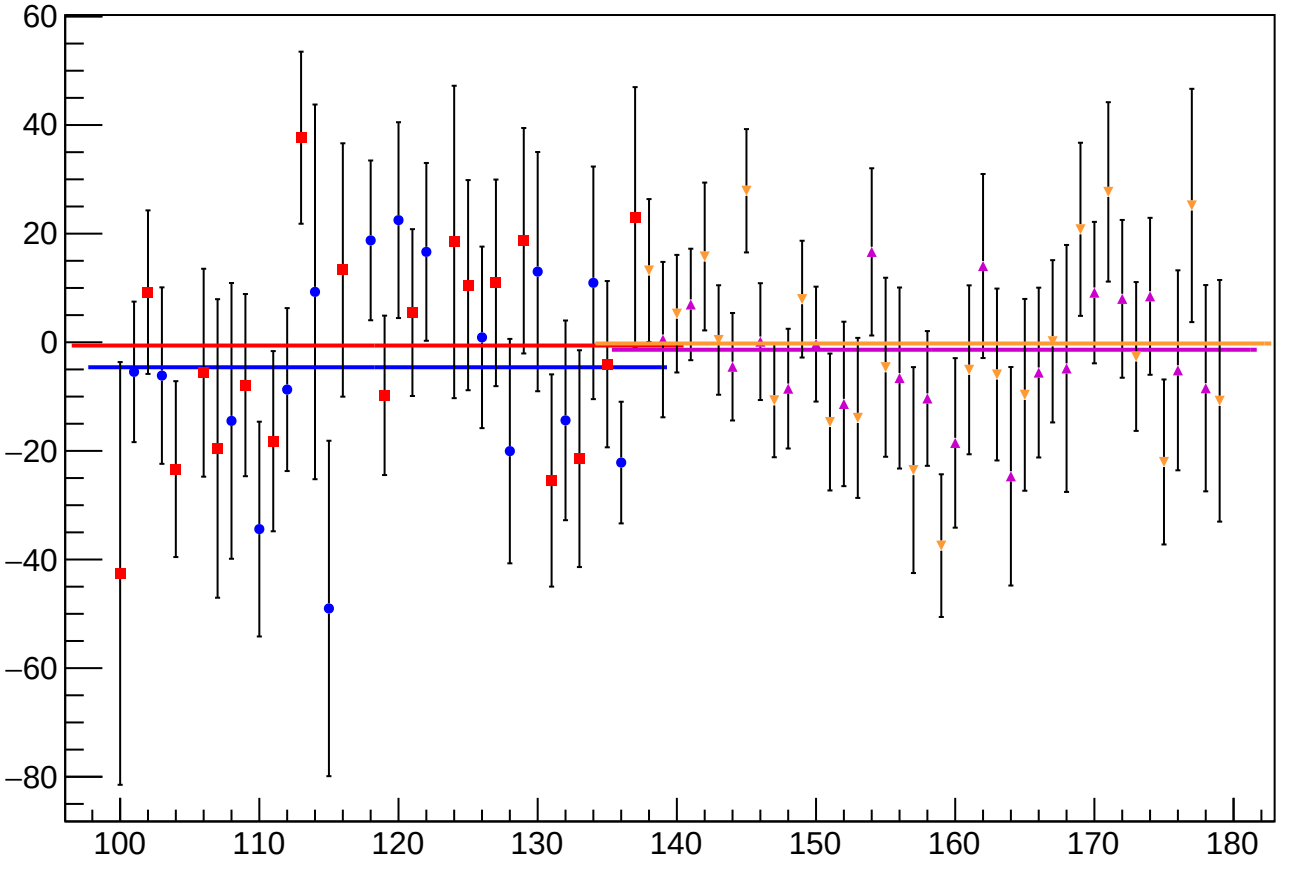
Left In: 5223.912+/-0.965 χ^2/NDF:2409428.4/19

+ sign 5783.280+/-0.867 χ^2/NDF: 3700341.0/37

All: 5547.507+/-0.600 χ^2/NDF: 8879198.4/76

- sign 5330.637+/-0.831 χ^2/NDF: 5036808.6/38

diff_bpm11X_mean vs Slug



Right In: -4.602+/-4.355 χ^2/NDF: 15.8/15

Left Out: -0.223+/-2.943 χ^2/NDF:31.0/21

Right Out: -0.600+/-4.266 χ^2/NDF: 17.9/18

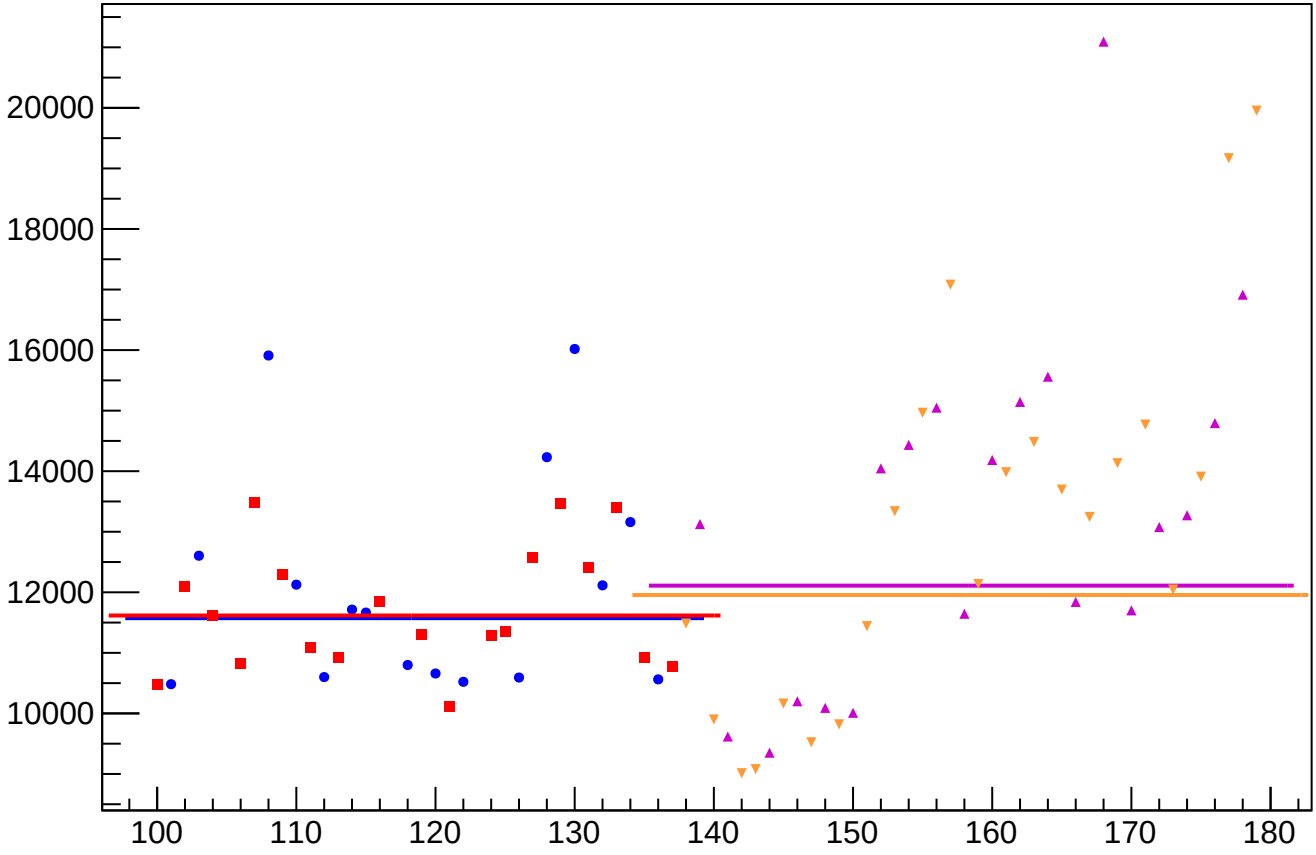
Left In: -1.378+/-3.067 χ^2/NDF:8.8/19

+ sign -1.596+/-2.438 χ^2/NDF: 47.5/37

All: -1.360+/-1.742 χ^2/NDF: 74.3/76

- sign -1.113+/-2.490 χ^2/NDF: 26.8/38

diff_bpm11X_rms vs Slug



Right In: 11573.073+/-3.079 χ^2/NDF: 260067.0/15

Left Out: 11955.443+/-2.081 χ^2/NDF:1533687.4/21

Right Out: 11616.773+/-3.017 χ^2/NDF: 93165.6/18

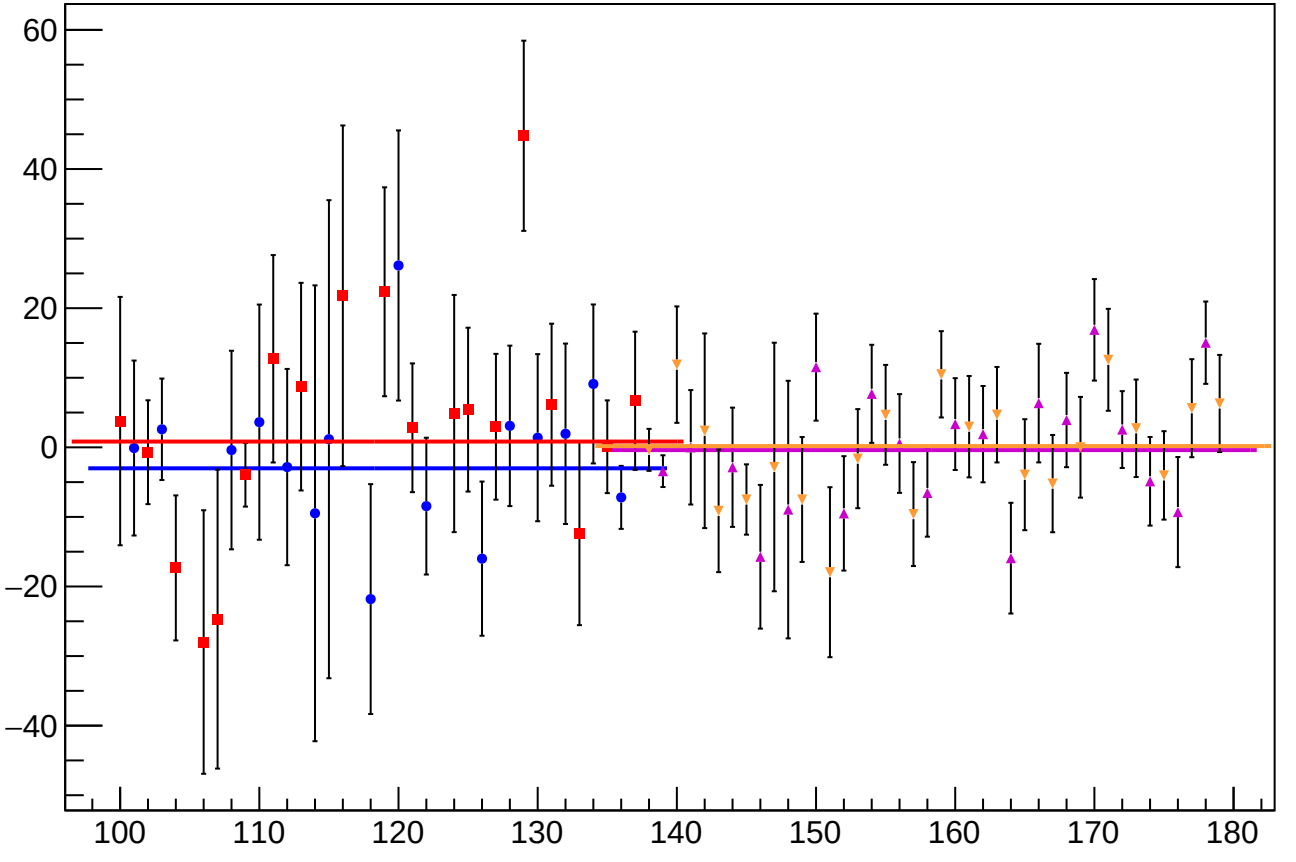
Left In: 12109.955+/-2.169 χ^2/NDF:1301114.7/19

+ sign 11835.581+/-1.724 χ^2/NDF: 1804340.5/37

All: 11887.633+/-1.232 χ^2/NDF: 3218102.9/7

- sign 11941.935+/-1.761 χ^2/NDF: 1411899.9/38

diff_bpm11Y_mean vs Slug



Right In: -3.014+/-2.654 χ^2/NDF: 8.7/15

Left Out: 0.182+/-1.434 χ^2/NDF:19.6/21

Right Out: 0.831+/-2.352 χ^2/NDF: 23.8/18

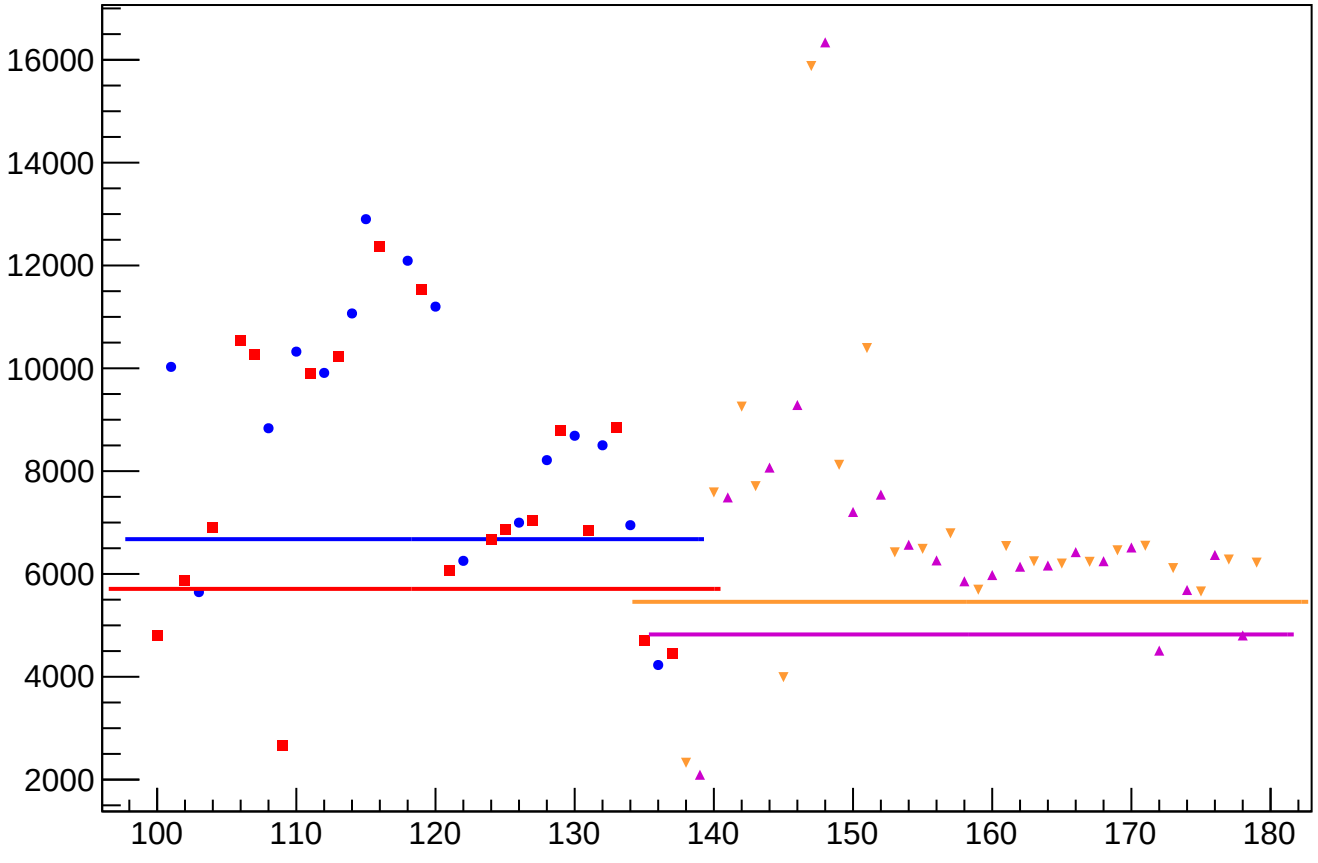
Left In: -0.398+/-1.353 χ^2/NDF:29.9/19

+ sign -0.540+/-1.262 χ^2/NDF: 29.4/37

All: -0.300+/-0.859 χ^2/NDF: 83.4/76

- sign -0.092+/-1.173 χ^2/NDF: 54.0/38

diff_bpm11Y_rms vs Slug



Right In: 6676.920+/-1.877 χ^2/NDF: 1572864.3/15

Left Out: 5458.188+/-1.014 χ^2/NDF:4321183.0/21

Right Out: 5709.821+/-1.663 χ^2/NDF: 2301039.5/18

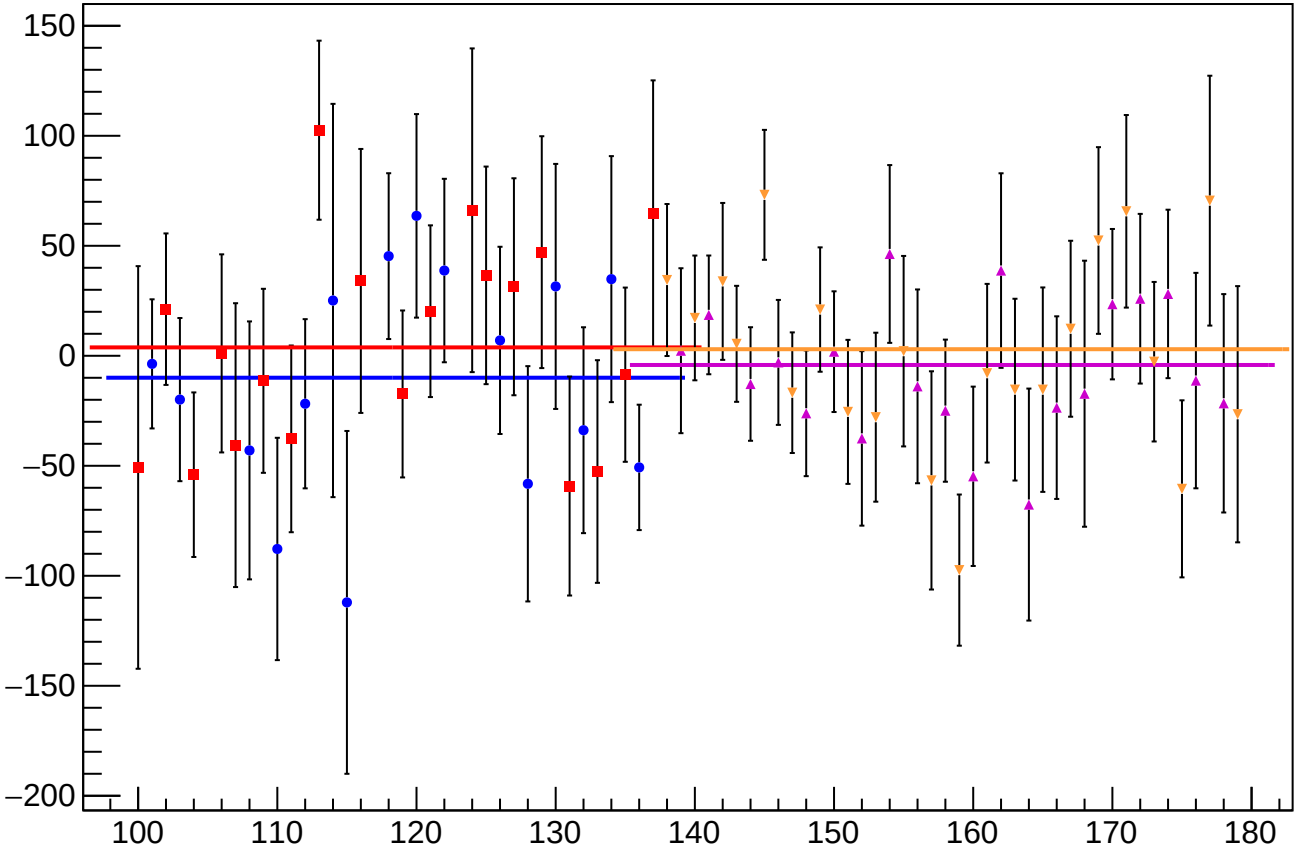
Left In: 4823.500+/-0.957 χ^2/NDF:5755085.5/19

+ sign 5733.570+/-0.892 χ^2/NDF: 6220499.9/37

All: 5363.729+/-0.607 χ^2/NDF: 14810525.2/7

- sign 5044.011+/-0.829 χ^2/NDF: 8269547.7/38

diff_bpm12X_mean vs Slug



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 2.989+/-7.721 χ^2/NDF:27.9/21

Right Out: 3.814+/-10.636 χ^2/NDF: 17.3/18

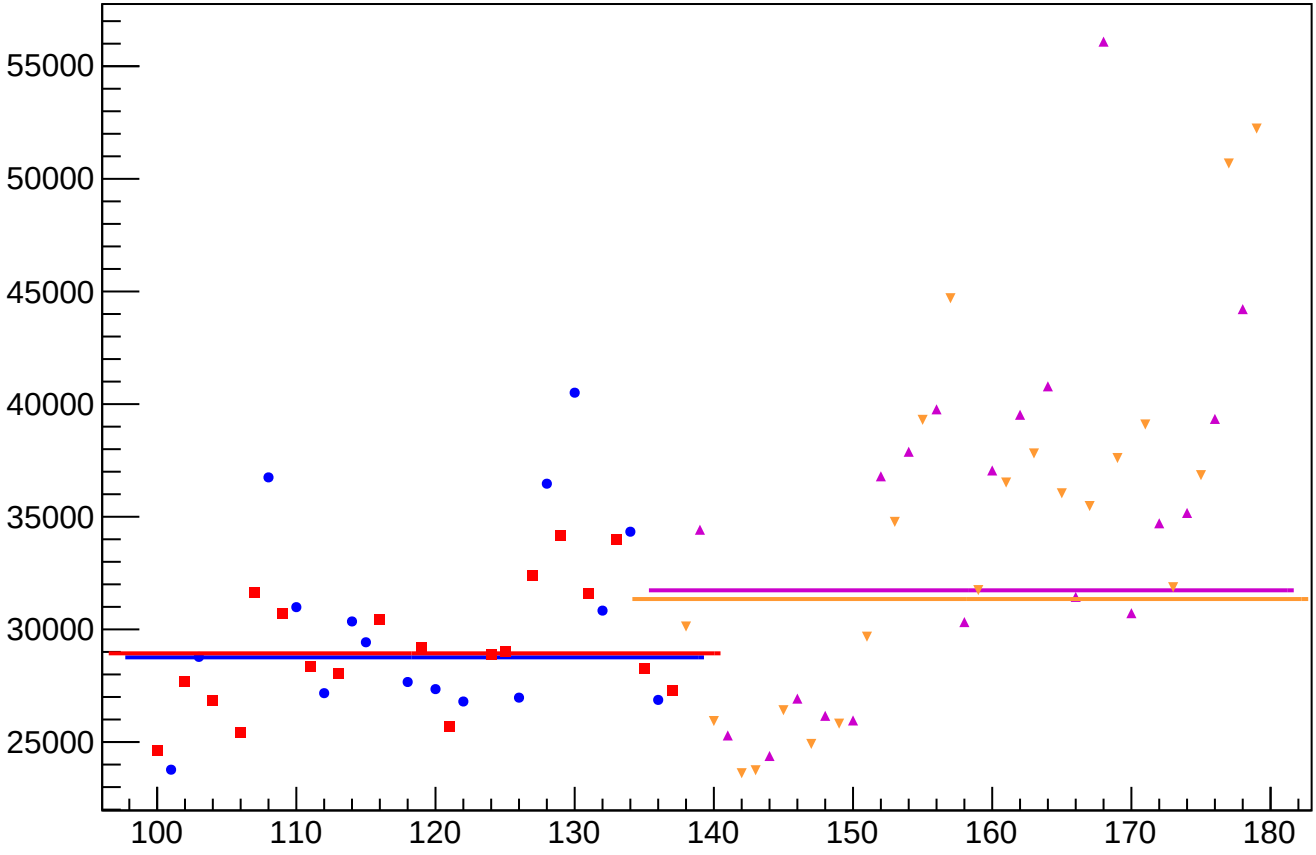
Left In: -4.179+/-8.042 χ^2/NDF:10.5/19

\+ sign -1.374+/-6.288 χ^2/NDF: 44.1/37

All: -1.324+/-4.490 χ^2/NDF: 72.3/76

\- sign -1.272+/-6.415 χ^2/NDF: 28.2/38

diff_bpm12X_rms vs Slug



Right In: 28759.090+/-7.662 χ^2/NDF: 277639.9/15

Left Out: 31347.627+/-5.459 χ^2/NDF:1568245.0/21

Right Out: 28937.633+/-7.521 χ^2/NDF: 106266.0/18

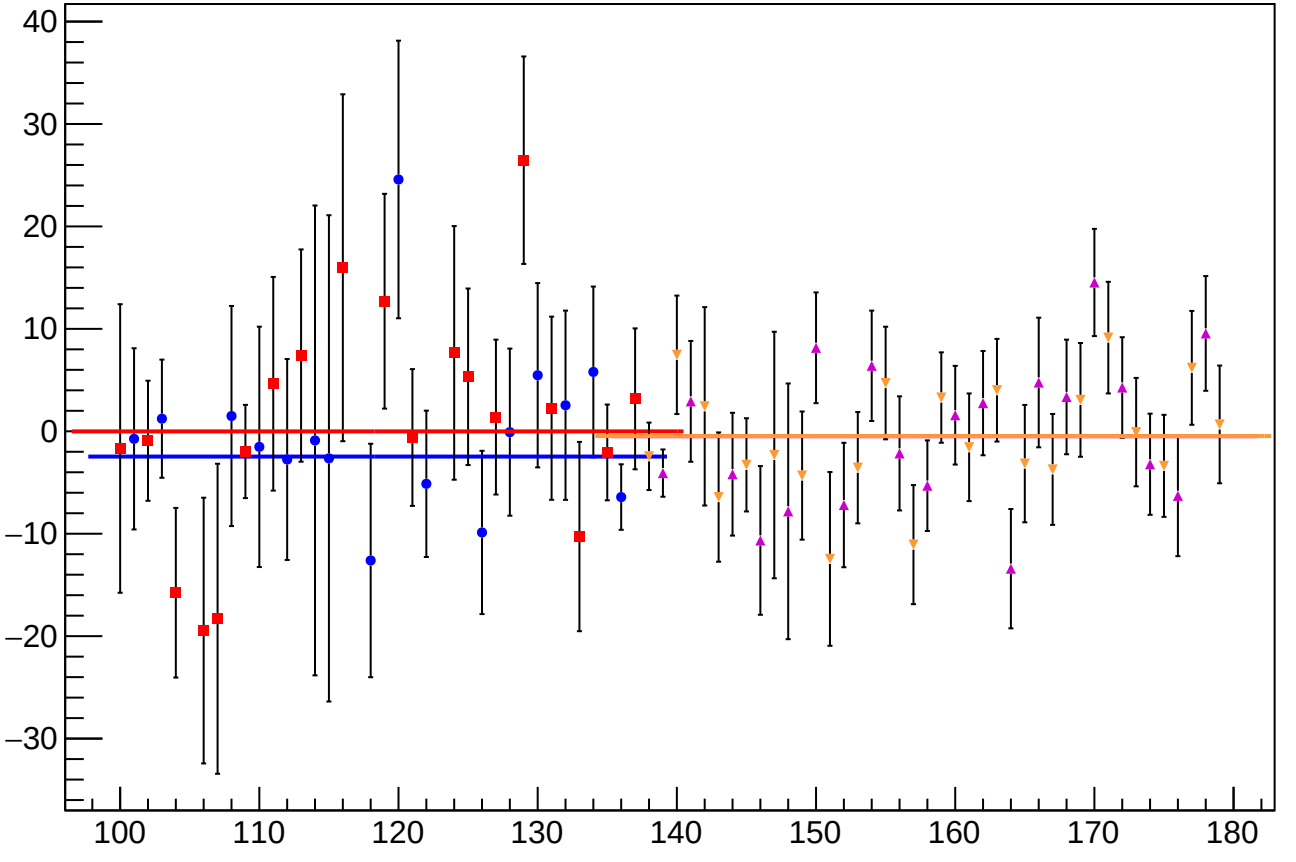
Left In: 31735.016+/-5.687 χ^2/NDF:1342229.7/19

+ sign 30476.031+/-4.446 χ^2/NDF: 1921582.1/37

All: 30594.340+/-3.175 χ^2/NDF: 3459544.0/7

- sign 30717.472+/-4.536 χ^2/NDF: 1536517.0/38

diff_bpm12Y_mean vs Slug



Right In: -2.467+/-1.916 χ^2/NDF: 10.0/15

Left Out: -0.466+/-1.158 χ^2/NDF:18.0/21

Right Out: -0.009+/-1.828 χ^2/NDF: 20.0/18

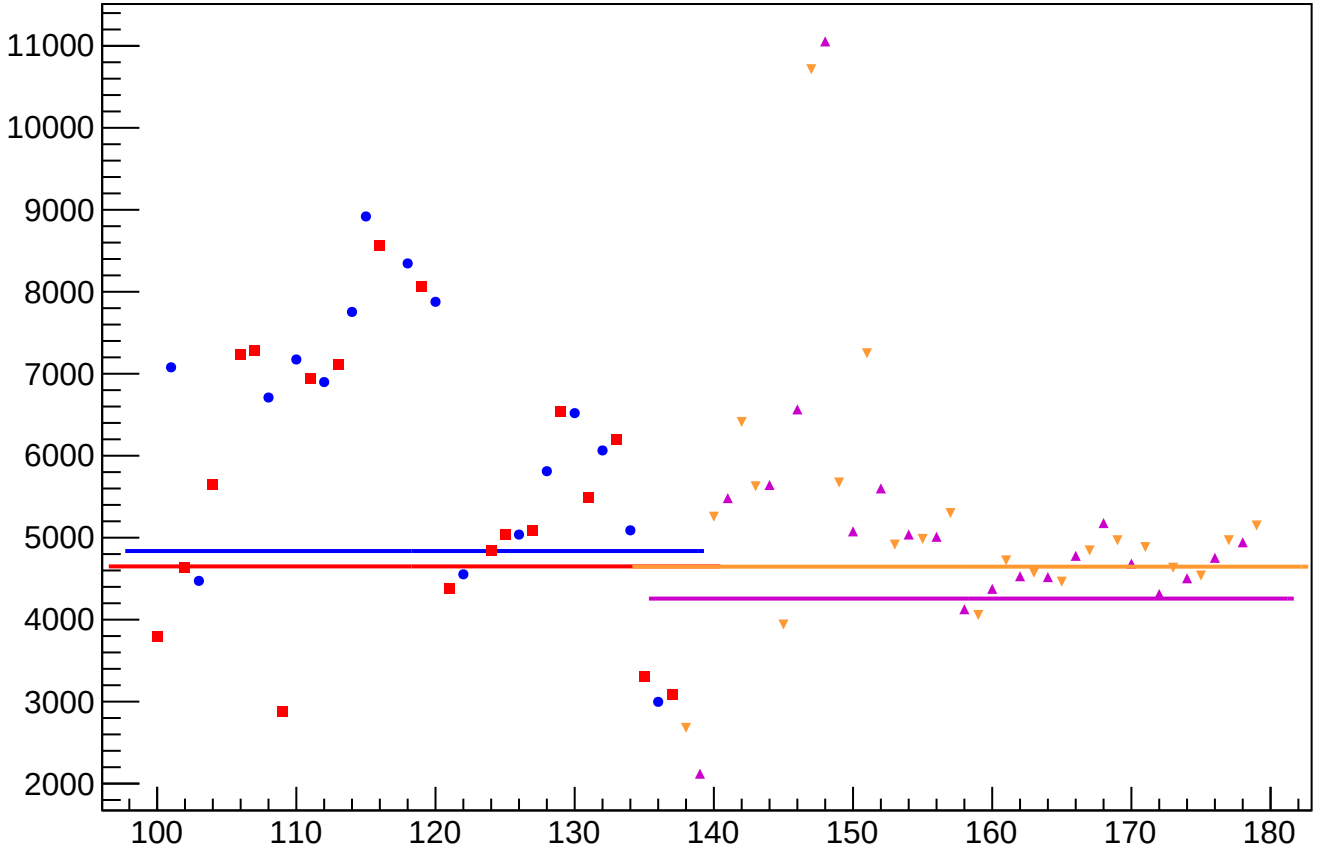
Left In: -0.481+/-1.120 χ^2/NDF:32.5/19

+ sign -1.002+/-0.991 χ^2/NDF: 28.9/37

All: -0.665+/-0.688 χ^2/NDF: 81.6/76

- sign -0.352+/-0.955 χ^2/NDF: 52.5/38

diff_bpm12Y_rms vs Slug



Right In: 4837.176+/-1.355 χ^2/NDF: 1547766.9/15

Left Out: 4646.407+/-0.819 χ^2/NDF:1761907.5/21

Right Out: 4649.613+/-1.293 χ^2/NDF: 1434548.7/18

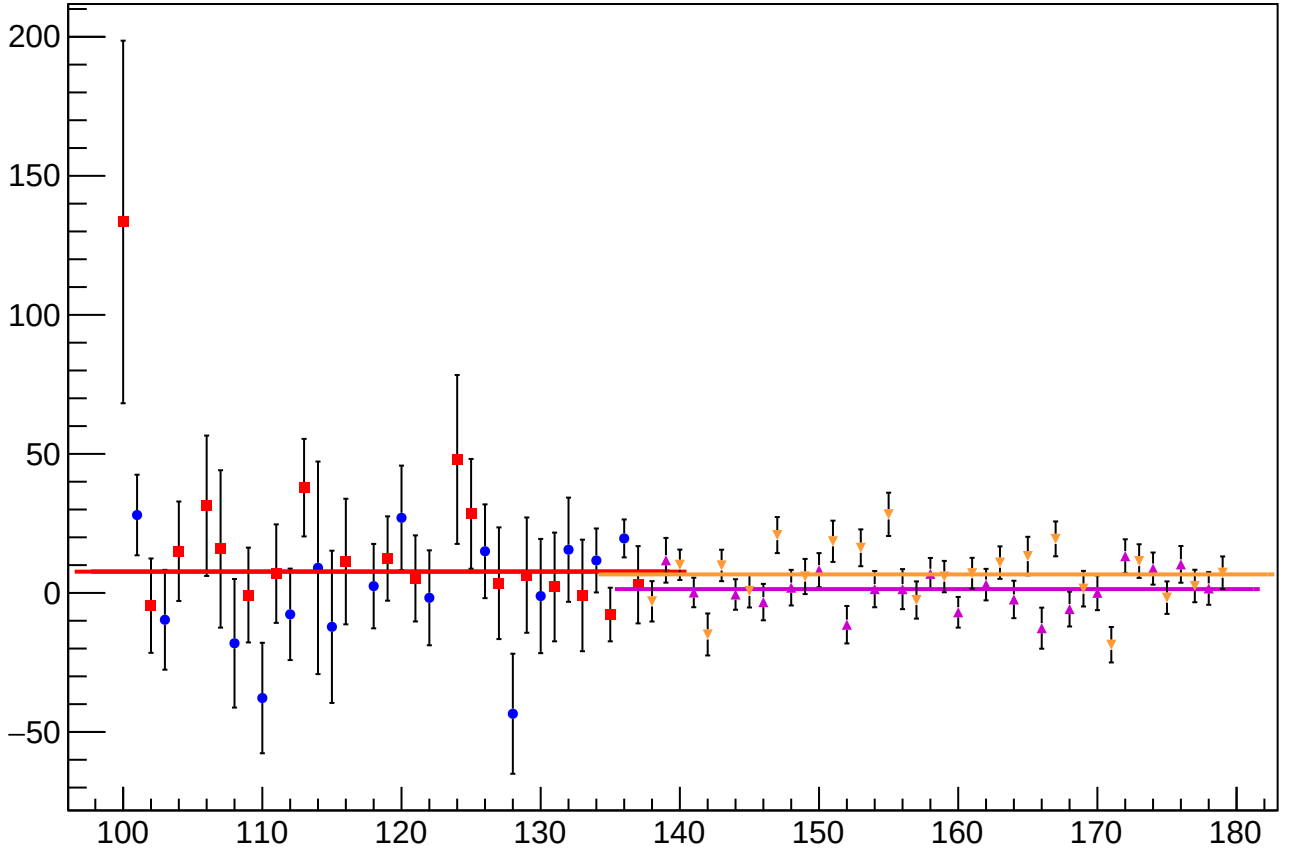
Left In: 4256.935+/-0.792 χ^2/NDF:3066800.2/19

+ sign 4697.455+/-0.701 χ^2/NDF: 3324201.2/37

All: 4524.704+/-0.486 χ^2/NDF: 8009898.4/76

- sign 4364.159+/-0.675 χ^2/NDF: 4568427.7/38

diff_bpm16X_mean vs Slug



Right In: 7.699+/-3.820 χ^2/NDF: 21.6/15

Left Out: 6.664+/-1.335 χ^2/NDF:55.9/21

Right Out: 7.650+/-4.099 χ^2/NDF: 14.6/18

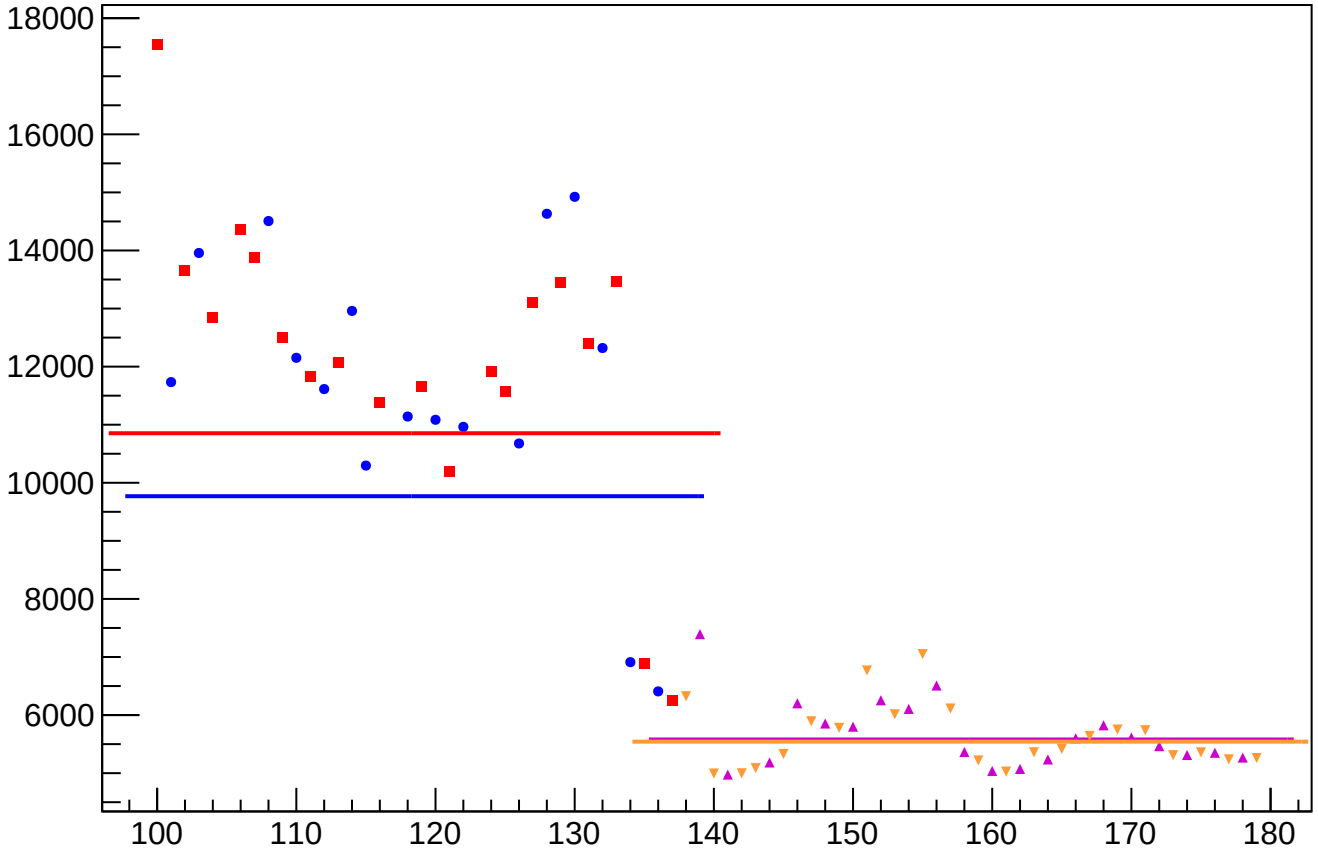
Left In: 1.373+/-1.389 χ^2/NDF:23.0/19

+ sign 6.776+/-1.260 χ^2/NDF: 77.6/37

All: 4.501+/-0.910 χ^2/NDF: 124.1/76

- sign 2.019+/-1.316 χ^2/NDF: 39.7/38

diff_bpm16X_rms vs Slug



Right In: 9768.772+/-2.701 χ^2/NDF: 1213694.6/15

Left Out: 5542.610+/-0.944 χ^2/NDF:278407.5/21

Right Out: 10852.989+/-2.899 χ^2/NDF: 874500.2/18

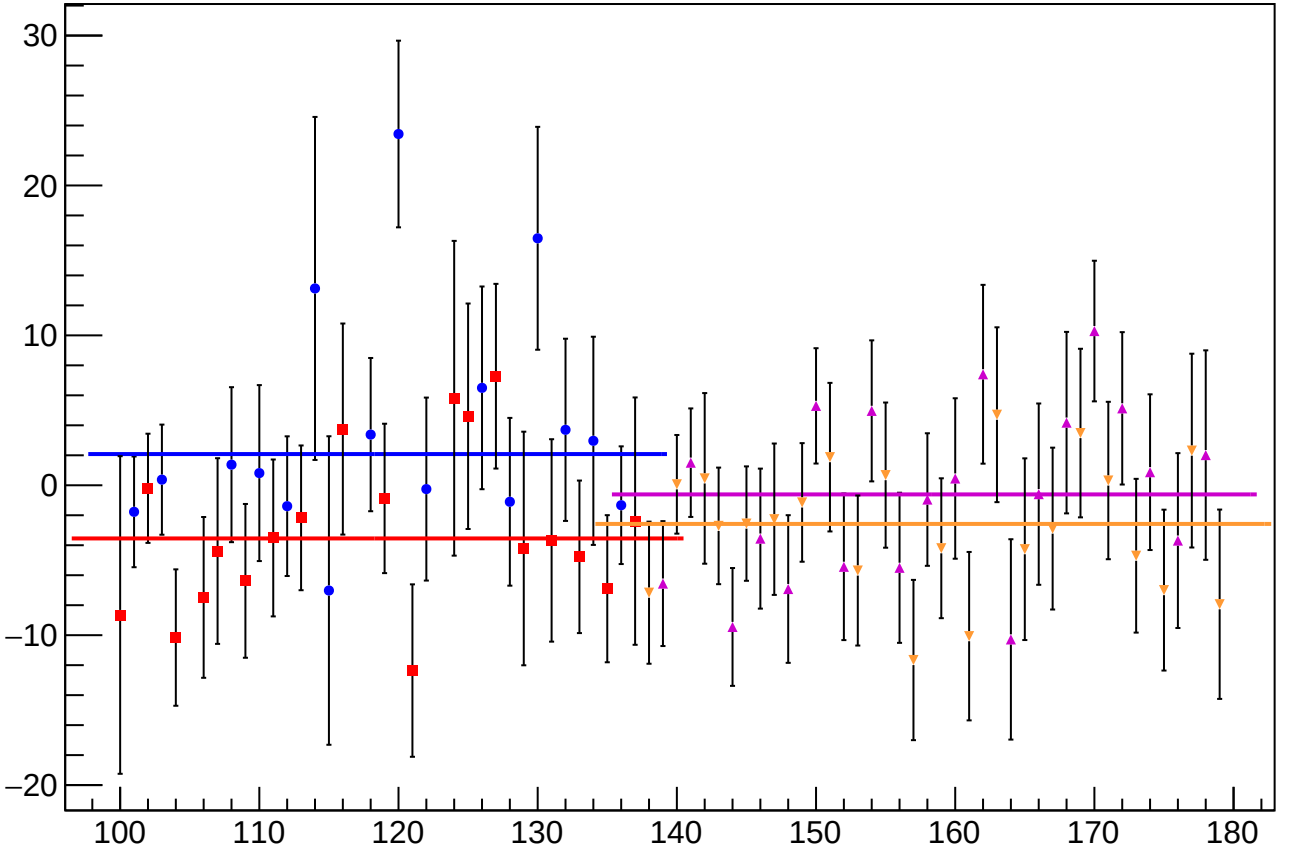
Left In: 5580.027+/-0.982 χ^2/NDF:288445.2/19

+ sign 6002.338+/-0.891 χ^2/NDF: 3673987.9/37

All: 6060.126+/-0.643 χ^2/NDF: 7814175.3/76

- sign 6123.141+/-0.930 χ^2/NDF: 4131390.8/38

diff_bpm16Y_mean vs Slug



Right In: 2.082+/-1.345 χ^2/NDF: 21.0/15

Left Out: -2.578+/-1.041 χ^2/NDF:13.7/21

Right Out: -3.546+/-1.304 χ^2/NDF: 13.4/18

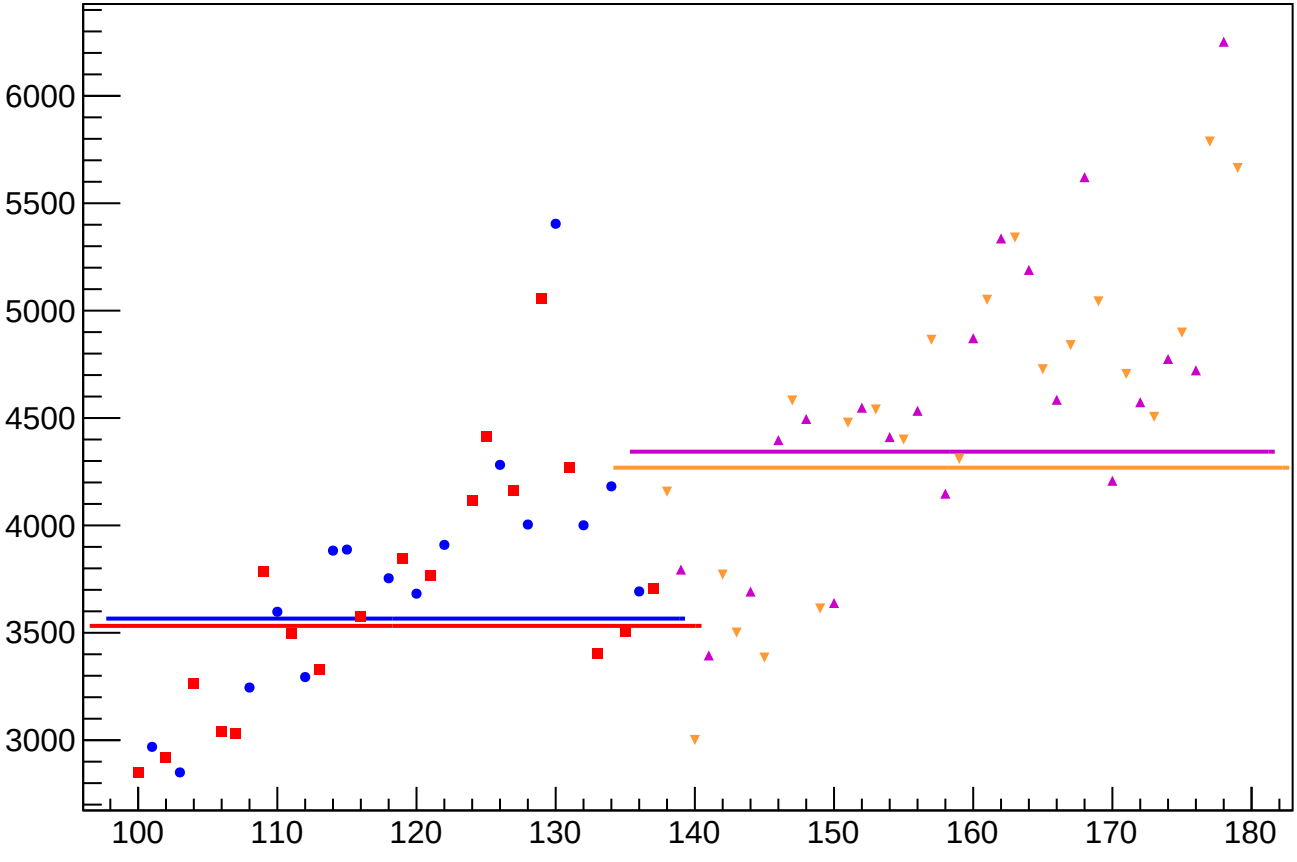
Left In: -0.609+/-1.089 χ^2/NDF:26.9/19

+ sign -0.832+/-0.823 χ^2/NDF: 42.1/37

All: -1.317+/-0.587 χ^2/NDF: 86.2/76

- sign -1.816+/-0.836 χ^2/NDF: 43.4/38

diff_bpm16Y_rms vs Slug



Right In: 3566.150+/-0.951 χ^2/NDF: 341105.5/15

Left Out: 4268.702+/-0.736 χ^2/NDF:1028584.5/21

Right Out: 3532.189+/-0.922 χ^2/NDF: 278693.0/18

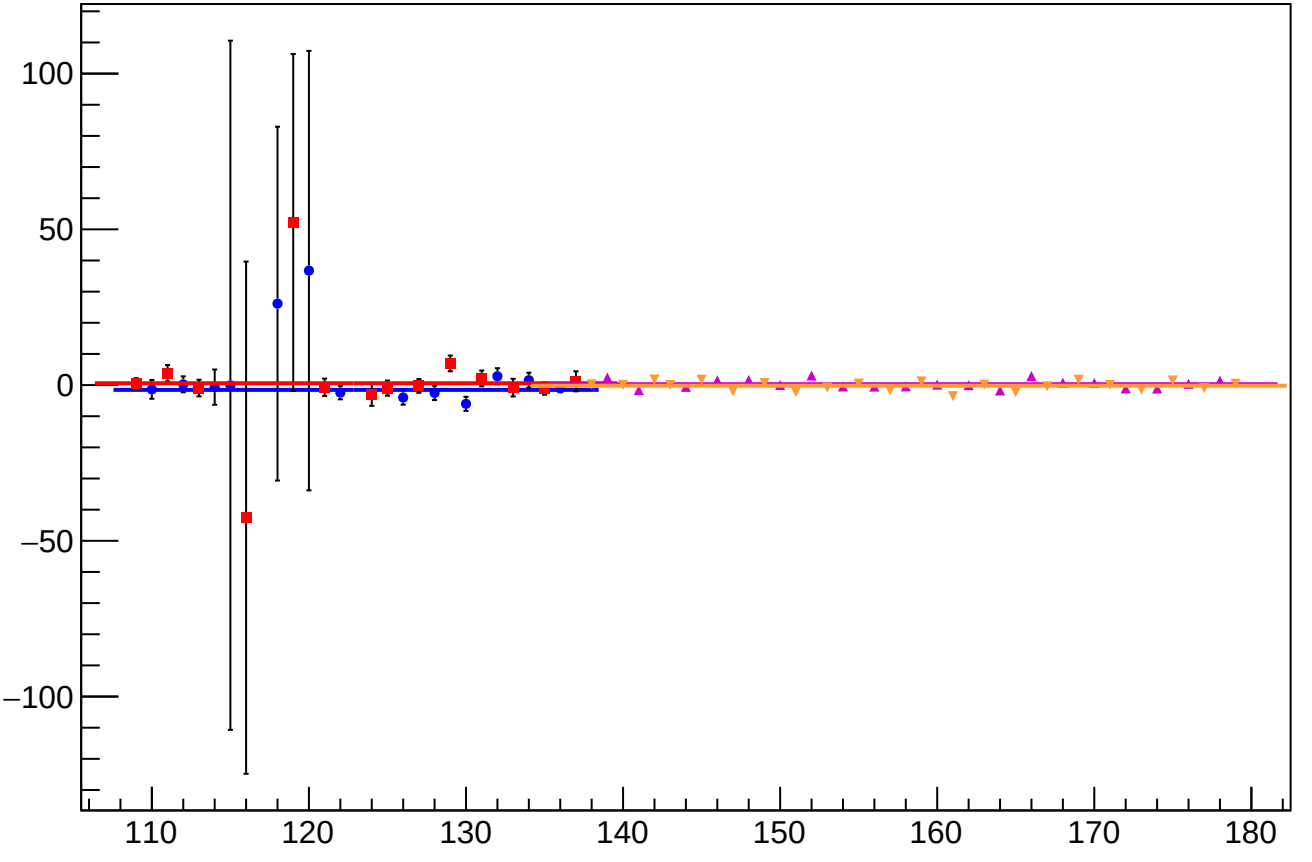
Left In: 4343.346+/-0.770 χ^2/NDF:683630.4/19

+ sign 4005.481+/-0.582 χ^2/NDF: 1710767.7/37

All: 4007.686+/-0.415 χ^2/NDF: 3128822.3/76

- sign 4009.961+/-0.591 χ^2/NDF: 1418025.5/38

diff_bpm1p02bX_mean vs Slug



Right In: -1.536+/-0.733 χ^2/NDF: 11.1/12

Left Out: -0.209+/-0.245 χ^2/NDF:33.4/21

Right Out: 0.588+/-0.717 χ^2/NDF: 12.7/13

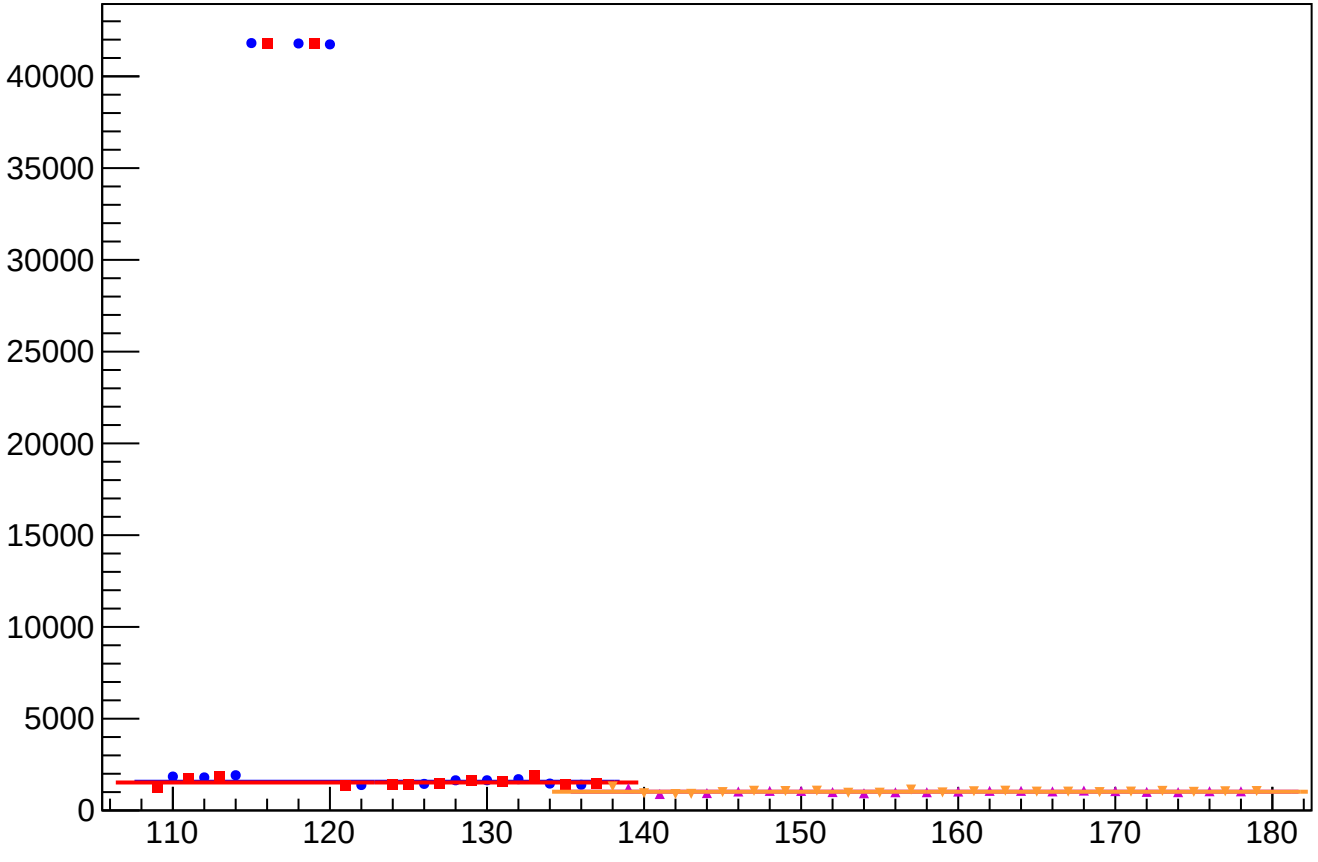
Left In: 0.285+/-0.254 χ^2/NDF:28.2/19

+ sign -0.343+/-0.233 χ^2/NDF: 47.5/34

All: -0.021+/-0.167 χ^2/NDF: 92.5/68

- sign 0.319+/-0.239 χ^2/NDF: 41.1/33

diff_bpm1p02bX_rms vs Slug



Right In: 1564.307+/-0.518 χ^2/NDF: 2016990.6/12

Left Out: 1020.666+/-0.173 χ^2/NDF:184196.4/21

Right Out: 1523.678+/-0.507 χ^2/NDF: 1739658.0/13

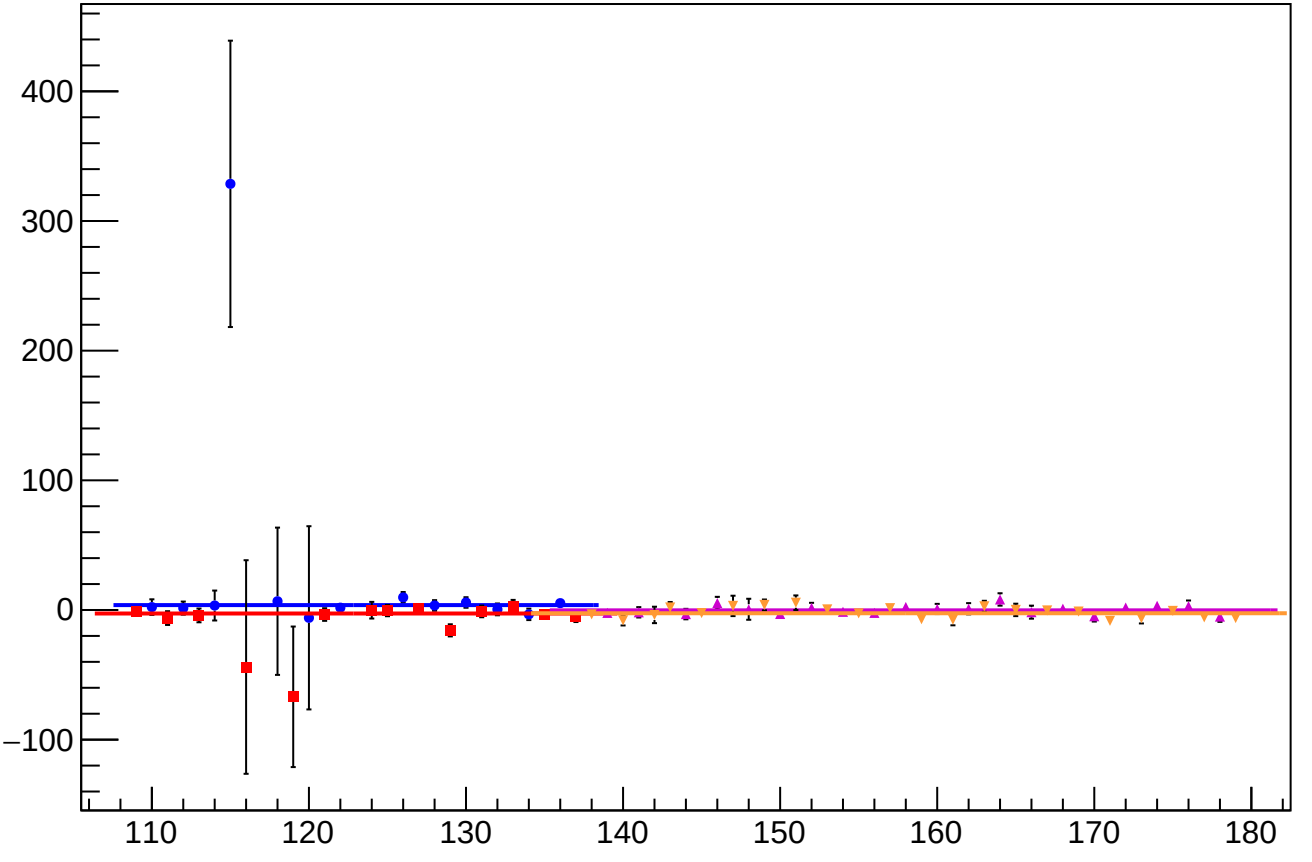
Left In: 1021.260+/-0.179 χ^2/NDF:126501.9/19

+ sign 1075.413+/-0.164 χ^2/NDF: 3191308.2/34

All: 1076.231+/-0.118 χ^2/NDF: 5930171.3/68

- sign 1077.096+/-0.169 χ^2/NDF: 2738812.1/33

diff_bpm1p02bY_mean vs Slug



Right In: 3.777+/-1.248 χ^2/NDF: 15.2/12

Left Out: -2.517+/-0.819 χ^2/NDF:20.2/21

Right Out: -2.709+/-1.211 χ^2/NDF: 13.6/13

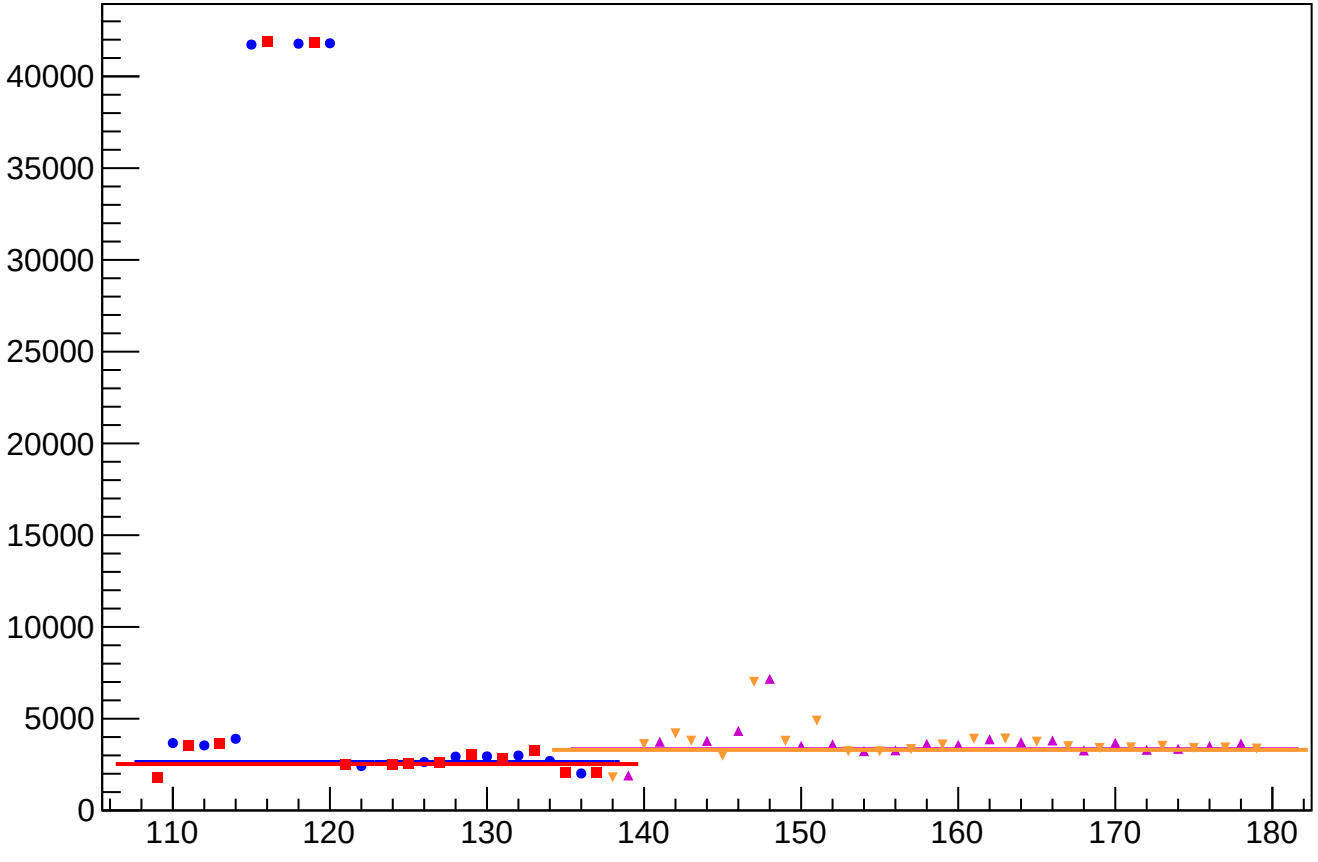
Left In: -0.277+/-0.854 χ^2/NDF:12.4/19

+ sign -0.623+/-0.685 χ^2/NDF: 53.1/34

All: -0.849+/-0.489 χ^2/NDF: 82.1/68

- sign -1.085+/-0.698 χ^2/NDF: 28.7/33

diff_bpm1p02bY_rms vs Slug



Right In: 2639.943+/-0.883 χ^2/NDF: 2173395.1/12

Left Out: 3300.874+/-0.579 χ^2/NDF:1885835.2/21

Right Out: 2529.018+/-0.856 χ^2/NDF: 1949928.1/13

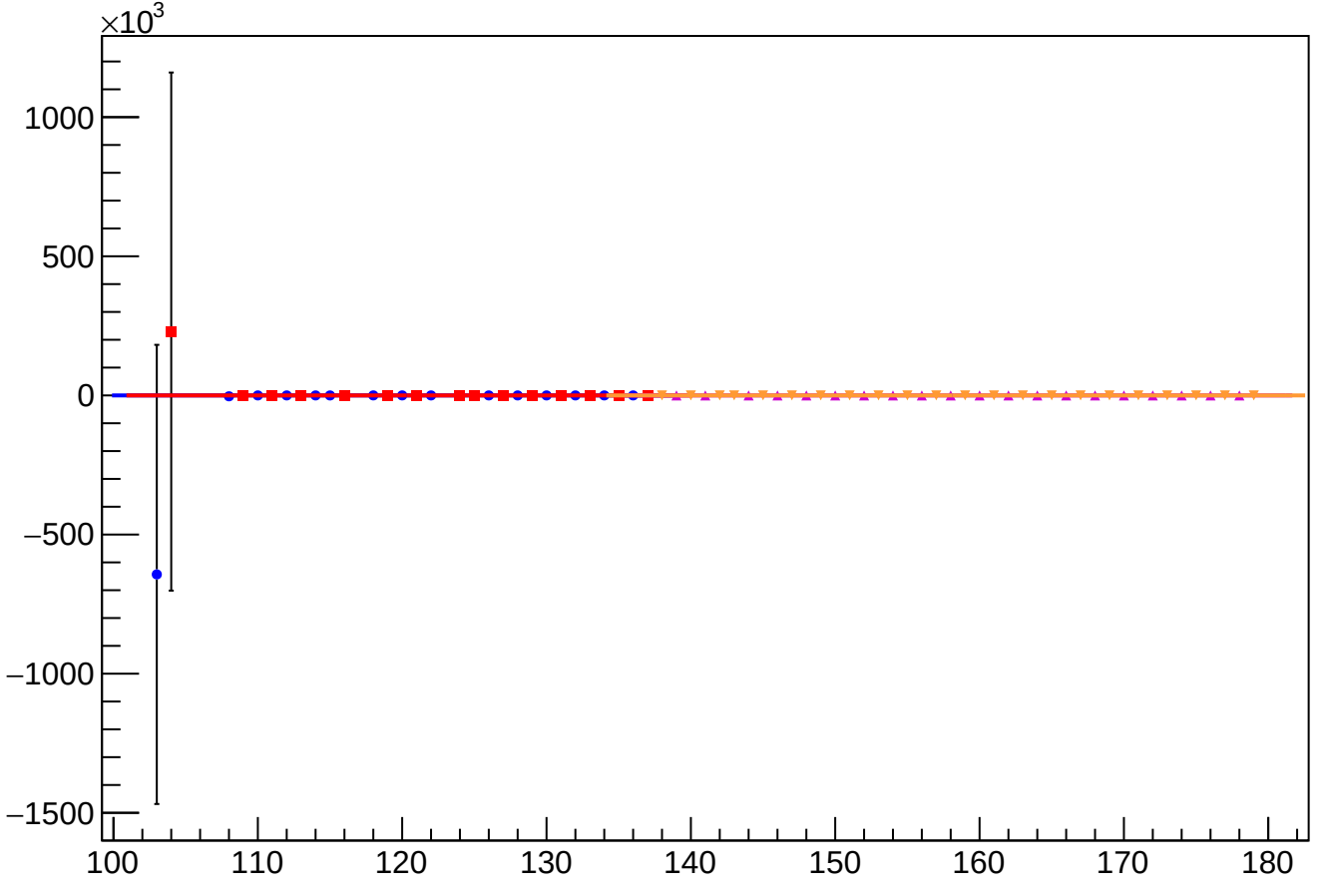
Left In: 3334.992+/-0.604 χ^2/NDF:1625309.6/19

+ sign 3101.966+/-0.484 χ^2/NDF: 4451144.3/34

All: 3084.956+/-0.346 χ^2/NDF: 8620619.3/68

- sign 3067.290+/-0.493 χ^2/NDF: 4166959.4/33

diff_bpm1p03aX_mean vs Slug



Right In: -1.215+/-1.125 χ^2/NDF: 18.8/14

Left Out: -1.719+/-0.382 χ^2/NDF:46.6/21

Right Out: -2.670+/-1.211 χ^2/NDF: 14.4/14

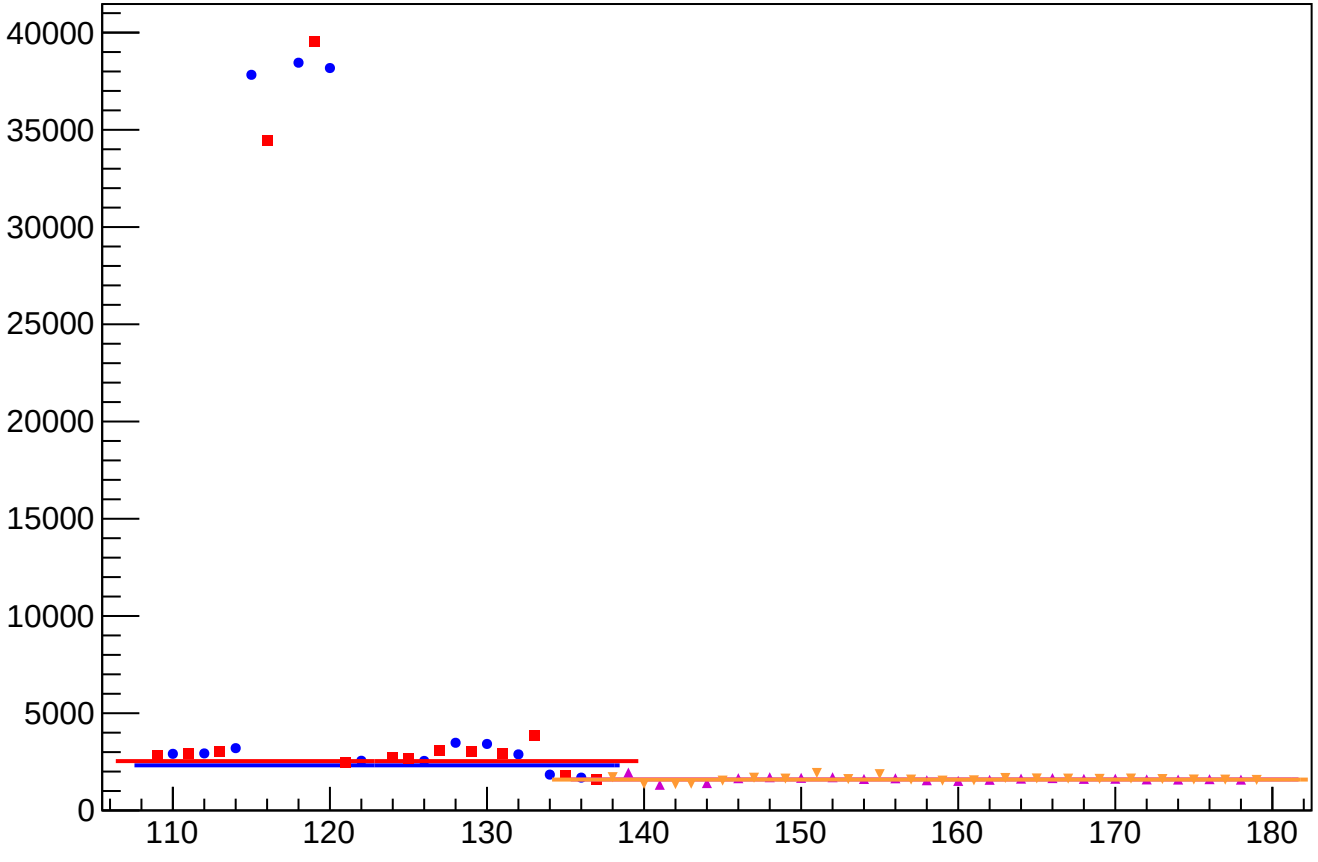
Left In: -0.228+/-0.397 χ^2/NDF:23.2/19

+ sign -1.667+/-0.361 χ^2/NDF: 65.5/36

All: -1.091+/-0.261 χ^2/NDF: 112.1/71

- sign -0.465+/-0.377 χ^2/NDF: 41.3/34

diff_bpm1p03aX_rms vs Slug



Right In: 2320.446+/-0.796 χ^2/NDF: 2461445.1/12

Left Out: 1587.494+/-0.270 χ^2/NDF:230683.8/21

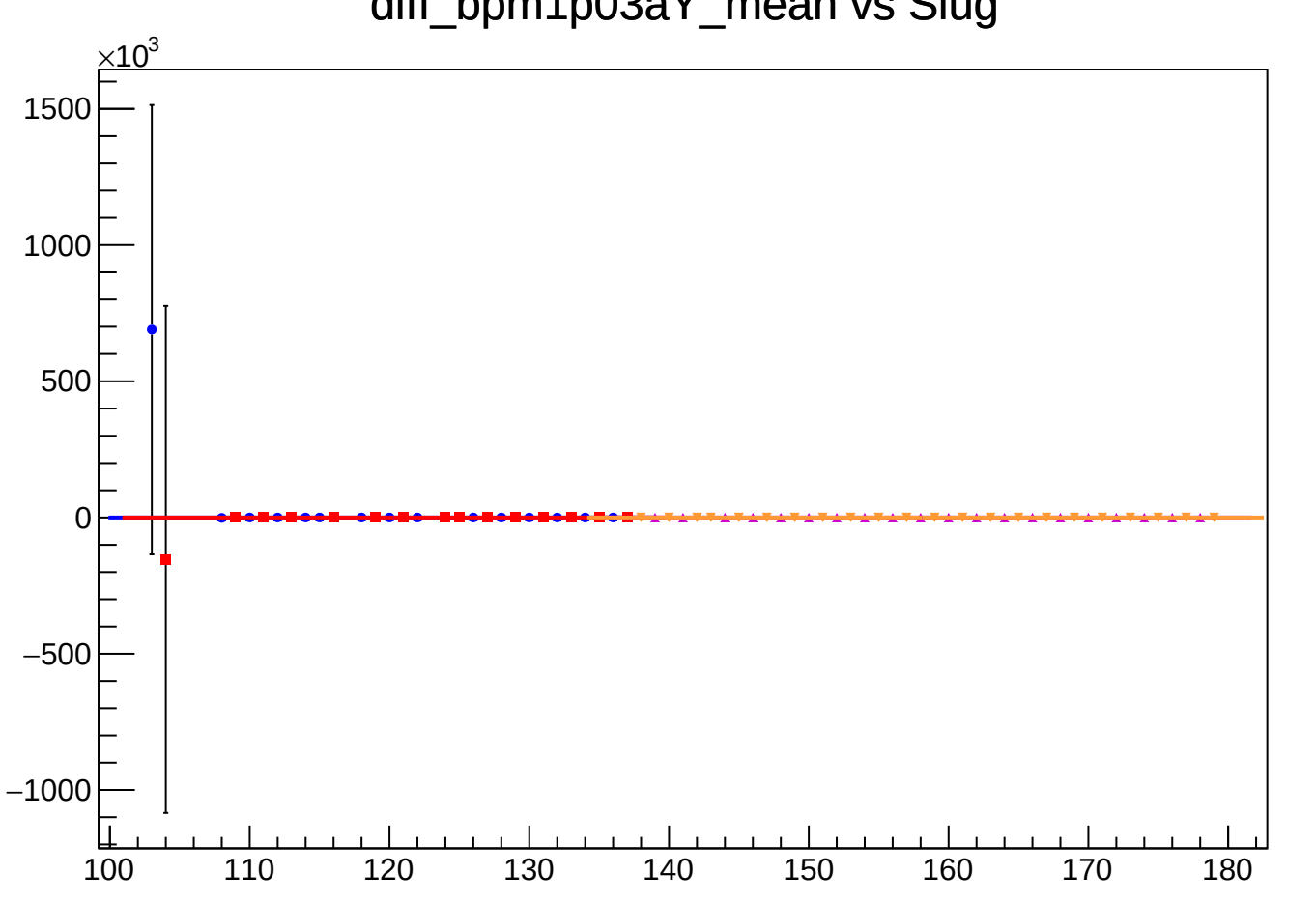
Right Out: 2537.615+/-0.856 χ^2/NDF: 2038153.2/13

Left In: 1594.796+/-0.280 χ^2/NDF:196226.0/19

+ sign 1663.127+/-0.256 χ^2/NDF: 3453095.6/34

All: 1674.122+/-0.184 χ^2/NDF: 6786006.4/68

- sign 1686.072+/-0.266 χ^2/NDF: 3329049.1/33



Right In: 1.708+/-1.076 χ^2/NDF: 5.0/14

Left Out: -1.196+/-0.528 χ^2/NDF:22.0/21

Right Out: -1.893+/-1.052 χ^2/NDF: 15.3/14

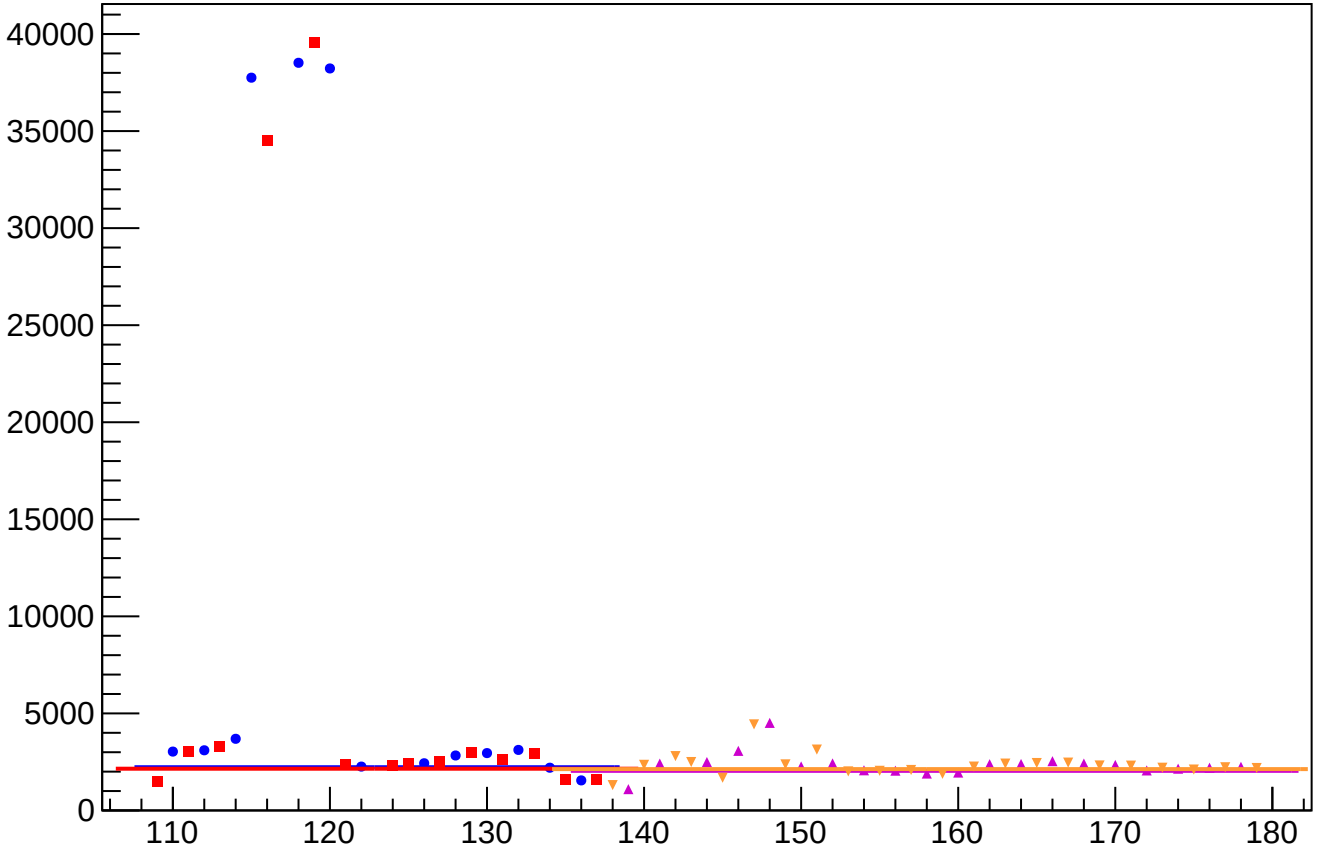
Left In: 0.039+/-0.529 χ^2/NDF:16.1/19

+ sign -0.632+/-0.474 χ^2/NDF: 32.9/36

All: -0.491+/-0.335 χ^2/NDF: 67.1/71

- sign -0.352+/-0.473 χ^2/NDF: 34.1/34

diff_bpm1p03aY_rms vs Slug



Right In: 2226.944+/-0.761 χ^2/NDF: 2522286.5/12

Left Out: 2130.173+/-0.374 χ^2/NDF:1472173.1/21

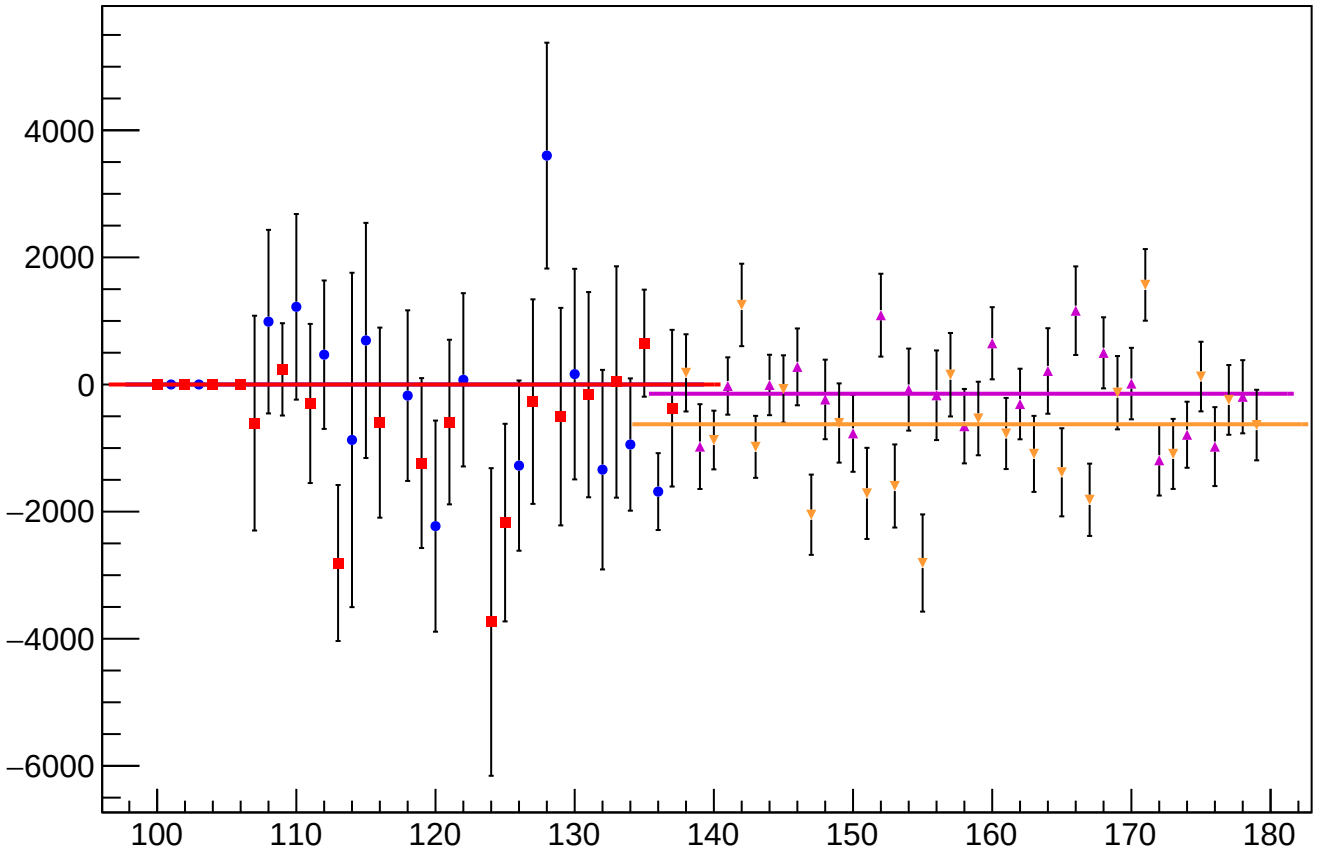
Right Out: 2150.841+/-0.744 χ^2/NDF: 2231322.0/13

Left In: 2041.354+/-0.374 χ^2/NDF:2272645.2/19

+ sign 2148.967+/-0.335 χ^2/NDF: 4007485.6/34

All: 2106.065+/-0.237 χ^2/NDF: 8561352.7/68

- sign 2063.468+/-0.334 χ^2/NDF: 4521264.0/33



Right In: 0.255+/-0.356 χ^2/NDF: 17.7/15

Left Out: -625.452+/-124.578 χ^2/NDF:56.4/21

Right Out: 0.096+/-0.328 χ^2/NDF: 15.4/18

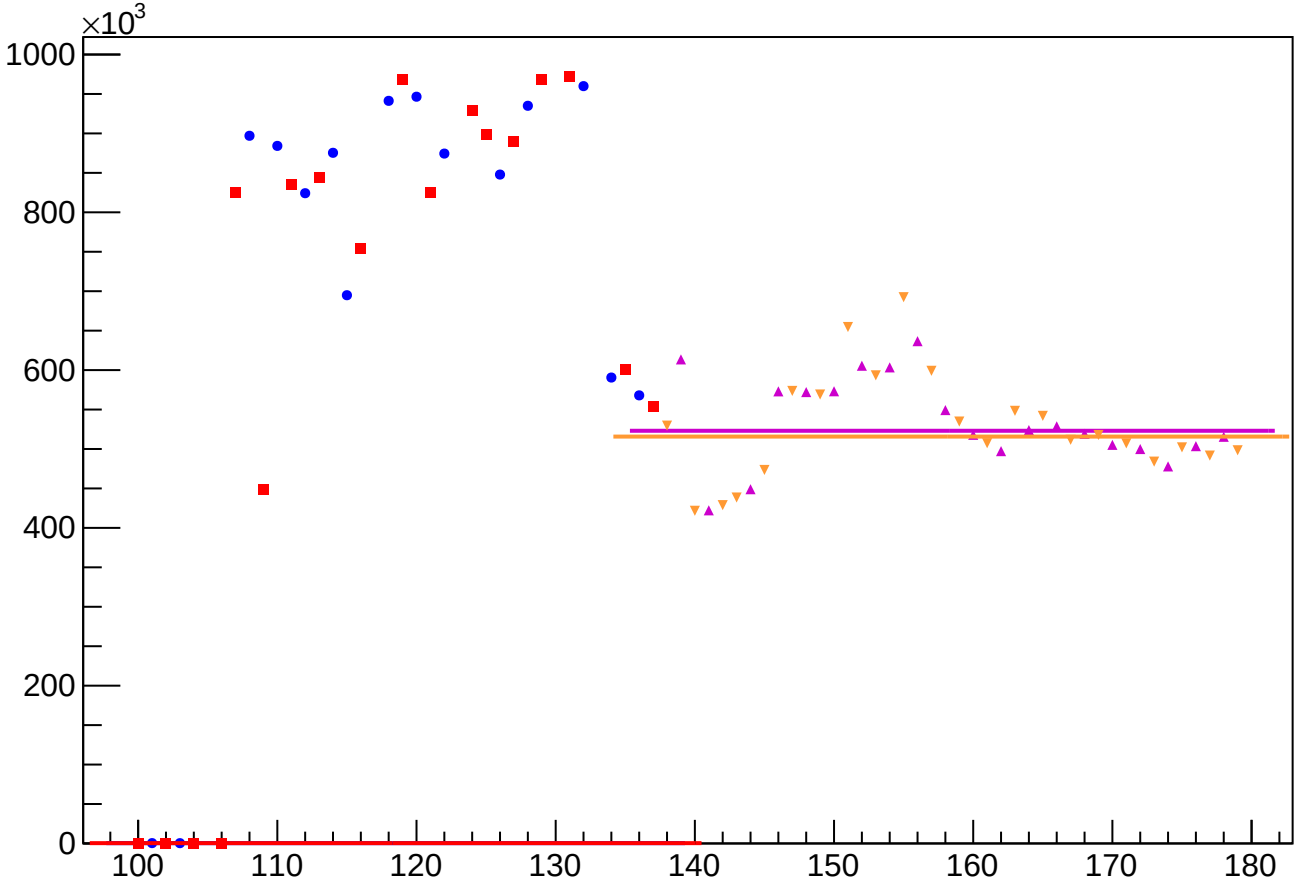
Left In: -145.131+/-130.407 χ^2/NDF:21.8/19

\+ sign 0.250+/-0.356 χ^2/NDF: 99.4/37

All: 0.166+/-0.241 χ^2/NDF: 137.9/76

\- sign 0.095+/-0.328 χ^2/NDF: 38.4/38

diff_cav4bX_rms vs Slug



Right In: 398.881+/-0.251 χ^2/NDF: 8491830.9/14

Left Out: 515725.601+/-88.090 χ^2/NDF:482200.1/21

Right Out: 393.240+/-0.232 χ^2/NDF: 7648578.2/17

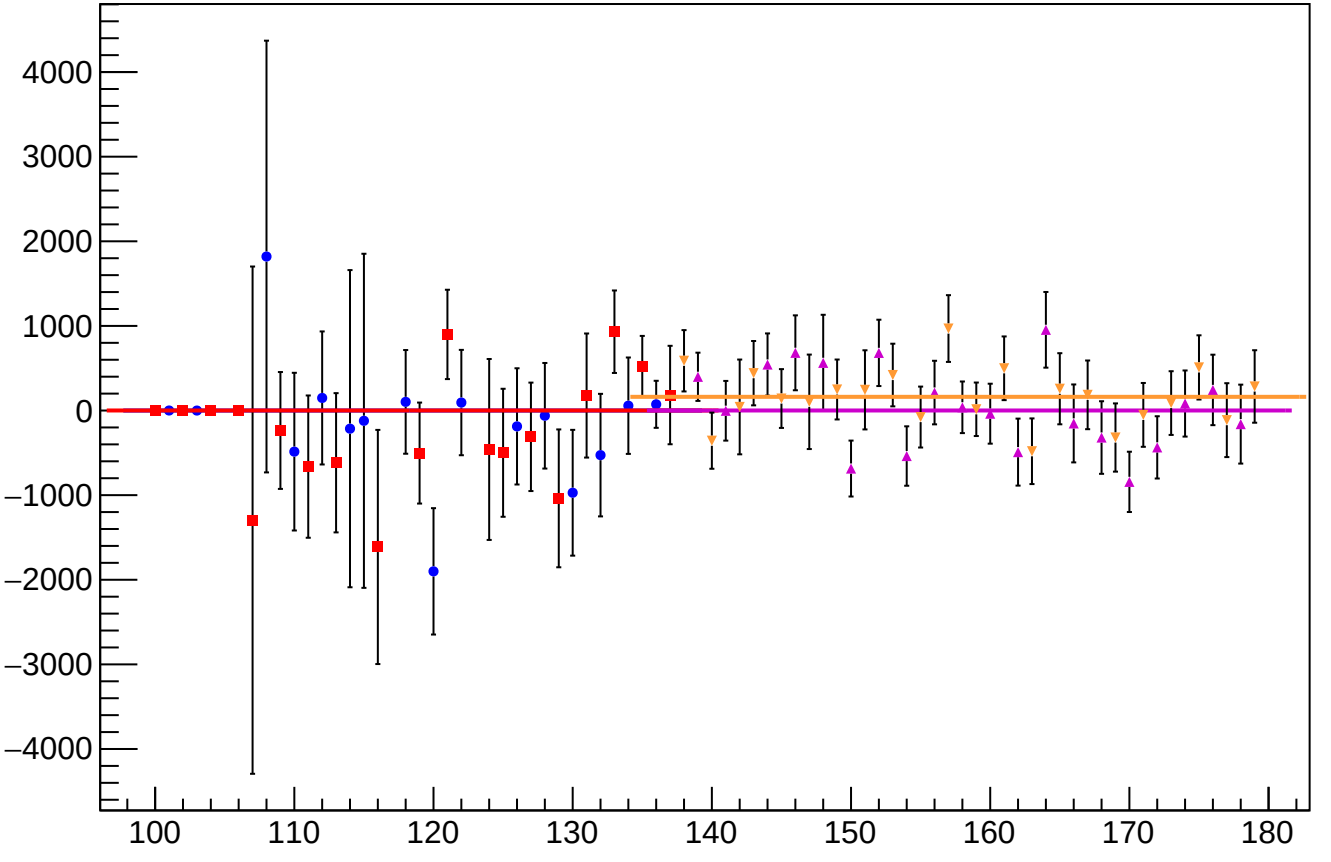
Left In: 523097.097+/-92.212 χ^2/NDF:371323.0/19

+ sign 403.081+/-0.251 χ^2/NDF: 43196539.5/36

All: 399.545+/-0.170 χ^2/NDF: 83348539.7/74

- sign 396.542+/-0.232 χ^2/NDF: 40151634.6/37

diff_cav4bY_mean vs Slug



Right In: -0.020+/-0.347 χ^2/NDF: 10.5/15

Left Out: 161.931+/-82.871 χ^2/NDF:16.6/21

Right Out: 0.599+/-0.324 χ^2/NDF: 15.0/18

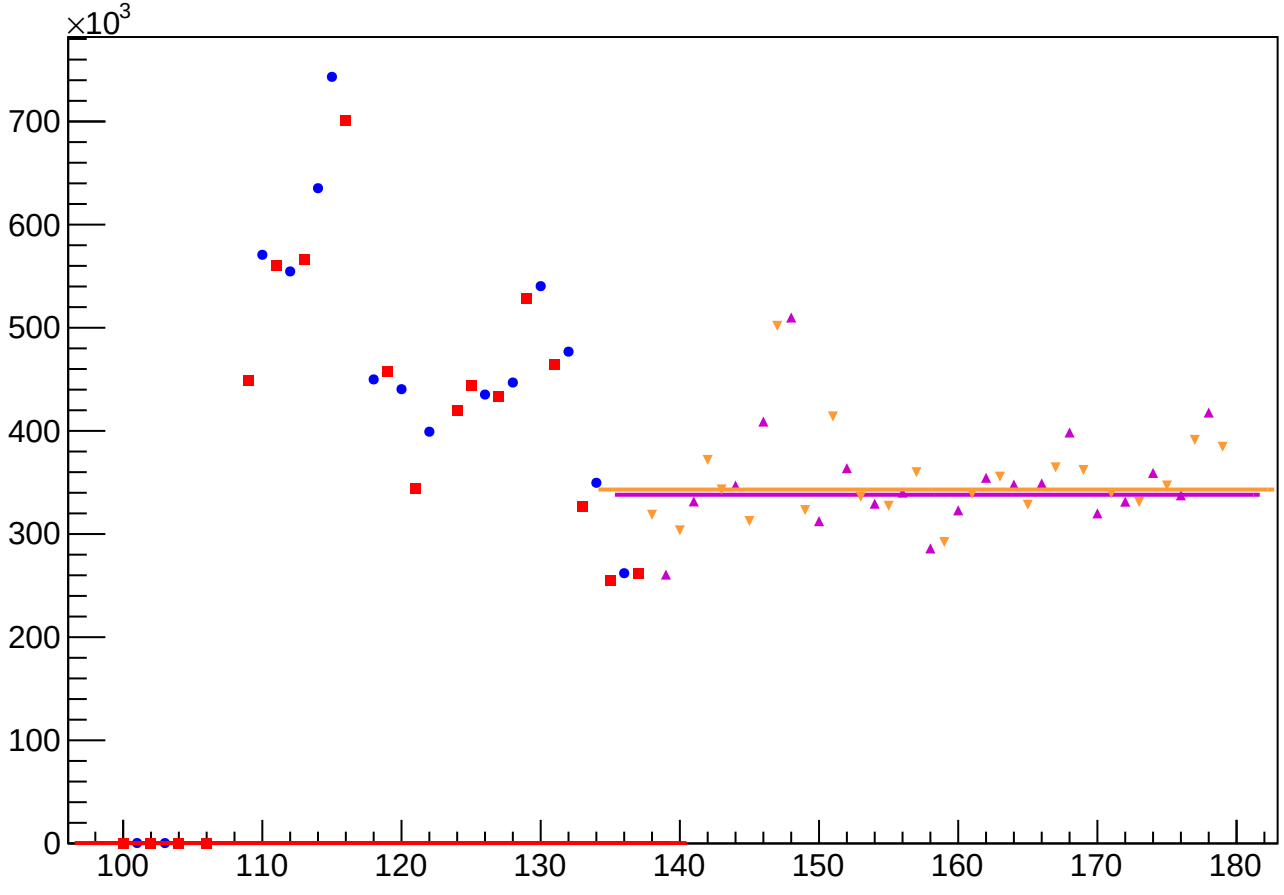
Left In: 0.566+/-84.740 χ^2/NDF:31.8/19

+ sign -0.018+/-0.347 χ^2/NDF: 30.8/37

All: 0.312+/-0.237 χ^2/NDF: 79.3/76

- sign 0.599+/-0.324 χ^2/NDF: 46.8/38

diff_cav4bY_rms vs Slug



Right In: 390.276+/-0.245 χ^2/NDF: 11132240.7/14

Left Out: 343150.765+/-58.599 χ^2/NDF:392545.6/21

Right Out: 387.984+/-0.229 χ^2/NDF: 11074302.3/17

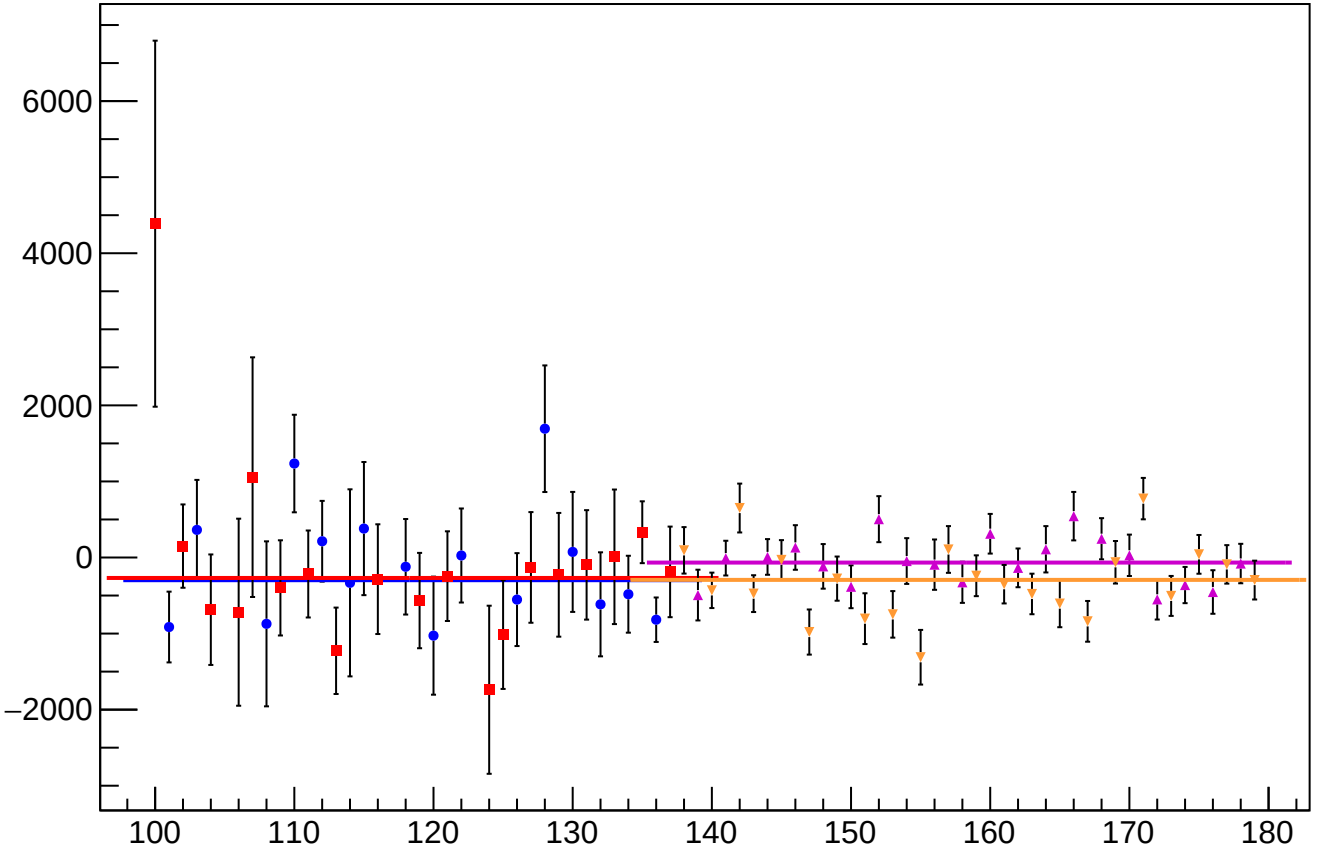
Left In: 338093.670+/-59.924 χ^2/NDF:582775.5/19

+ sign 396.289+/-0.245 χ^2/NDF: 45738325.5/36

All: 394.485+/-0.167 χ^2/NDF: 89154948.1/74

- sign 392.914+/-0.229 χ^2/NDF: 43416521.6/37

diff_cav4cX_mean vs Slug



Right In: -298.263+/-147.367 χ^2/NDF: 21.2/15

Left Out: -294.221+/-59.027 χ^2/NDF:56.6/21

Right Out: -268.892+/-156.582 χ^2/NDF: 13.9/18

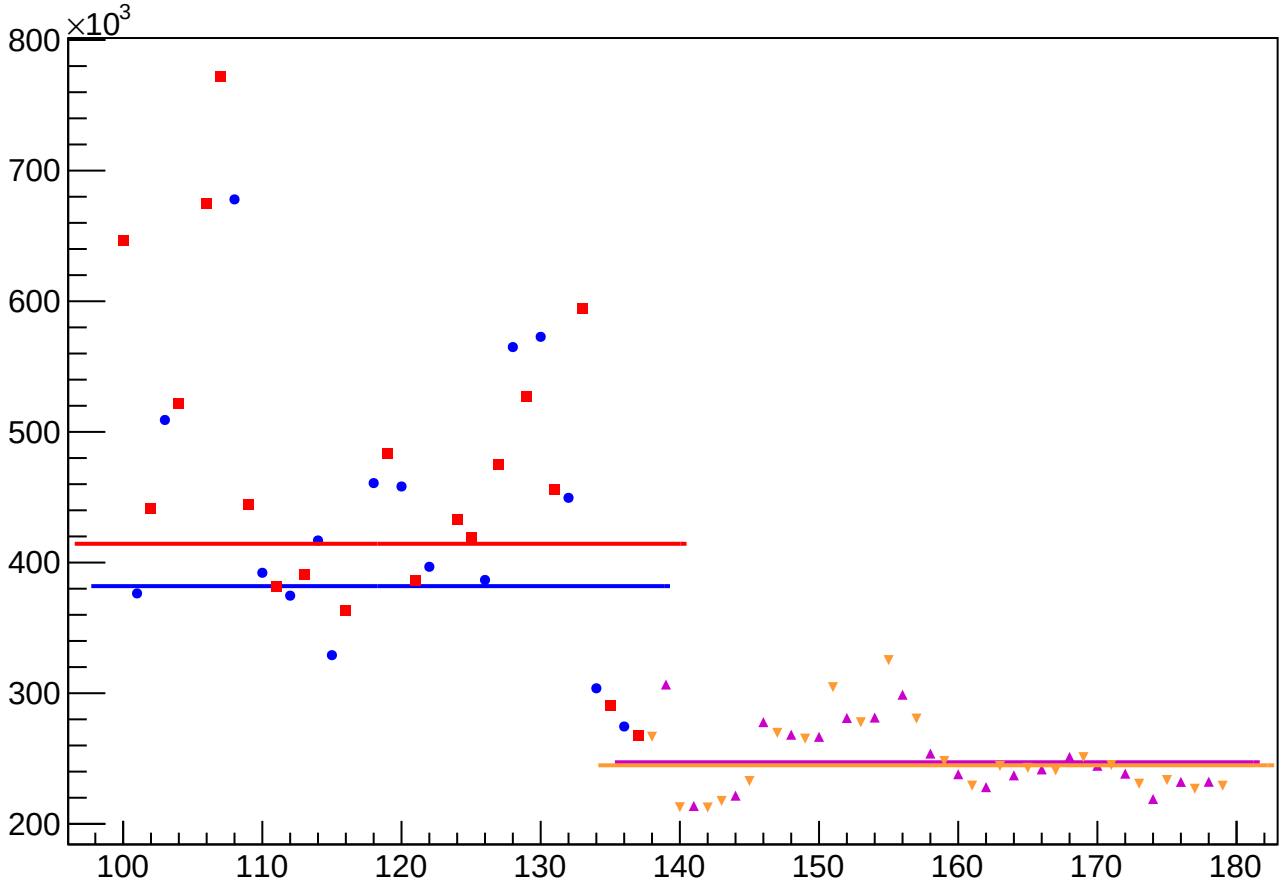
Left In: -66.698+/-61.561 χ^2/NDF:22.4/19

+ sign -294.780+/-54.795 χ^2/NDF: 77.8/37

All: -198.750+/-39.599 χ^2/NDF: 121.9/76

- sign -93.768+/-57.292 χ^2/NDF: 37.7/38

diff_cav4cX_rms vs Slug



Right In: 381960.471+/-104.223 χ^2/NDF: 836441.6/15

Left Out: 244830.299+/-41.739 χ^2/NDF:373477.4/21

Right Out: 414378.043+/-110.748 χ^2/NDF: 760082.5/18

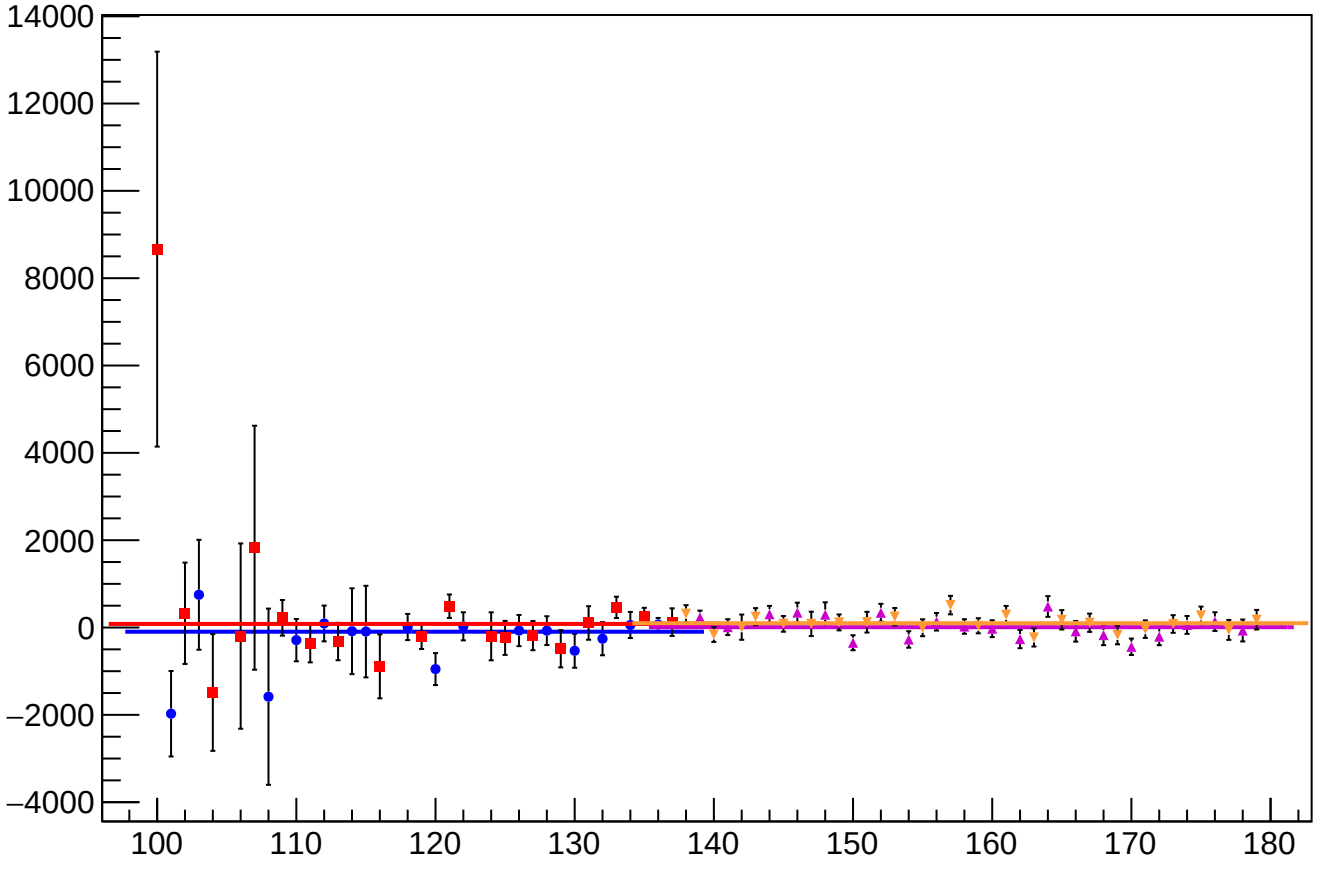
Left In: 247145.425+/-43.530 χ^2/NDF:332475.6/19

+ sign 263783.394+/-38.747 χ^2/NDF: 2701813.6/37

All: 266525.978+/-28.002 χ^2/NDF: 5779901.

- sign 269524.285+/-40.513 χ^2/NDF: 3067600.2/38

diff_cav4cY_mean vs Slug



Right In: -95.850+/-88.267 χ^2/NDF: 13.7/15

Left Out: 99.582+/-43.718 χ^2/NDF:16.0/21

Right Out: 82.750+/-87.316 χ^2/NDF: 19.1/18

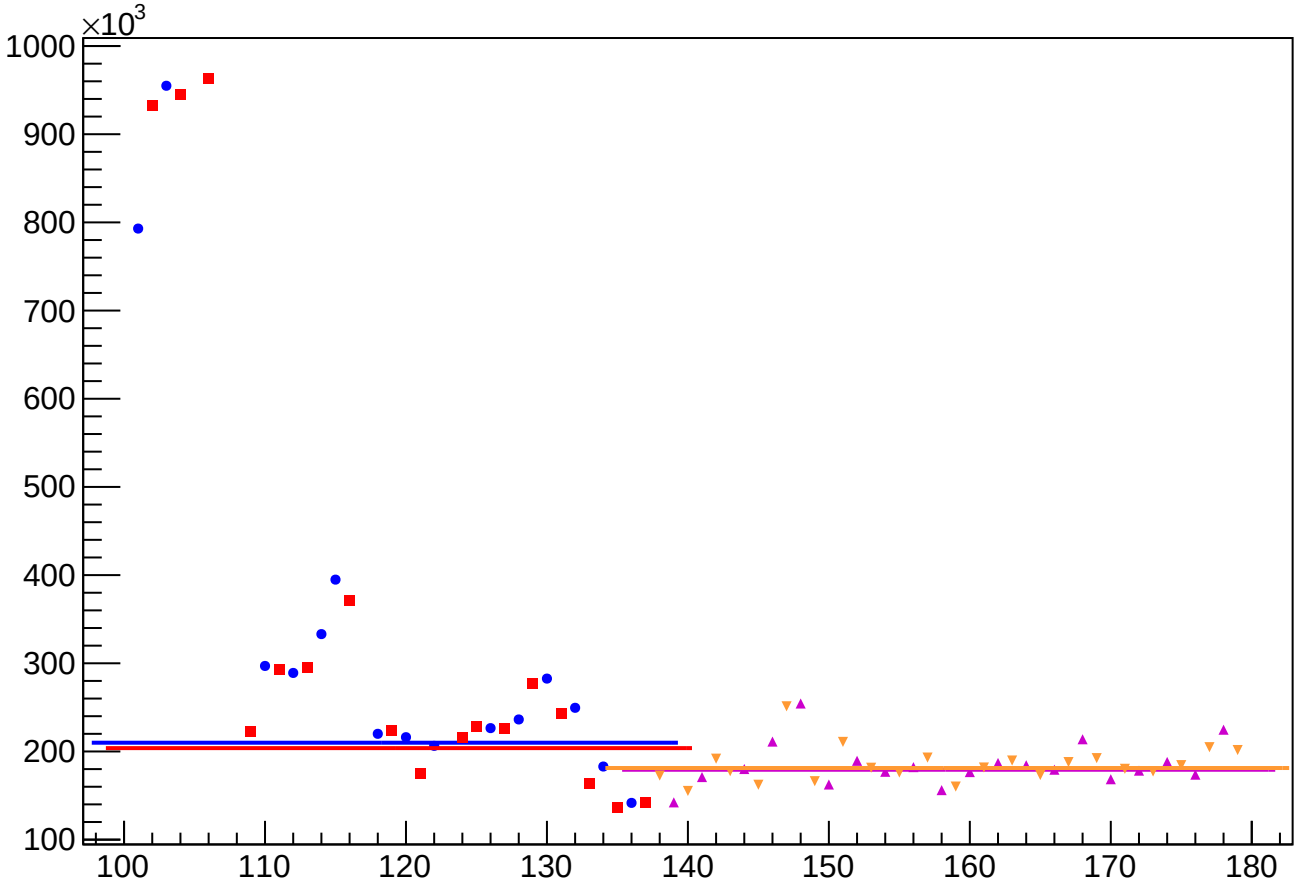
Left In: 7.611+/-44.840 χ^2/NDF:31.1/19

+ sign 61.084+/-39.176 χ^2/NDF: 33.6/37

All: 42.528+/-27.950 χ^2/NDF: 84.9/76

- sign 23.291+/-39.888 χ^2/NDF: 50.8/38

diff_cav4cY_rms vs Slug



Right In: 209929.195+/-62.523 χ^2/NDF: 1959897.2/14

Left Out: 181229.517+/-30.913 χ^2/NDF:336547.1/21

Right Out: 203793.382+/-61.895 χ^2/NDF: 2070478.1/16

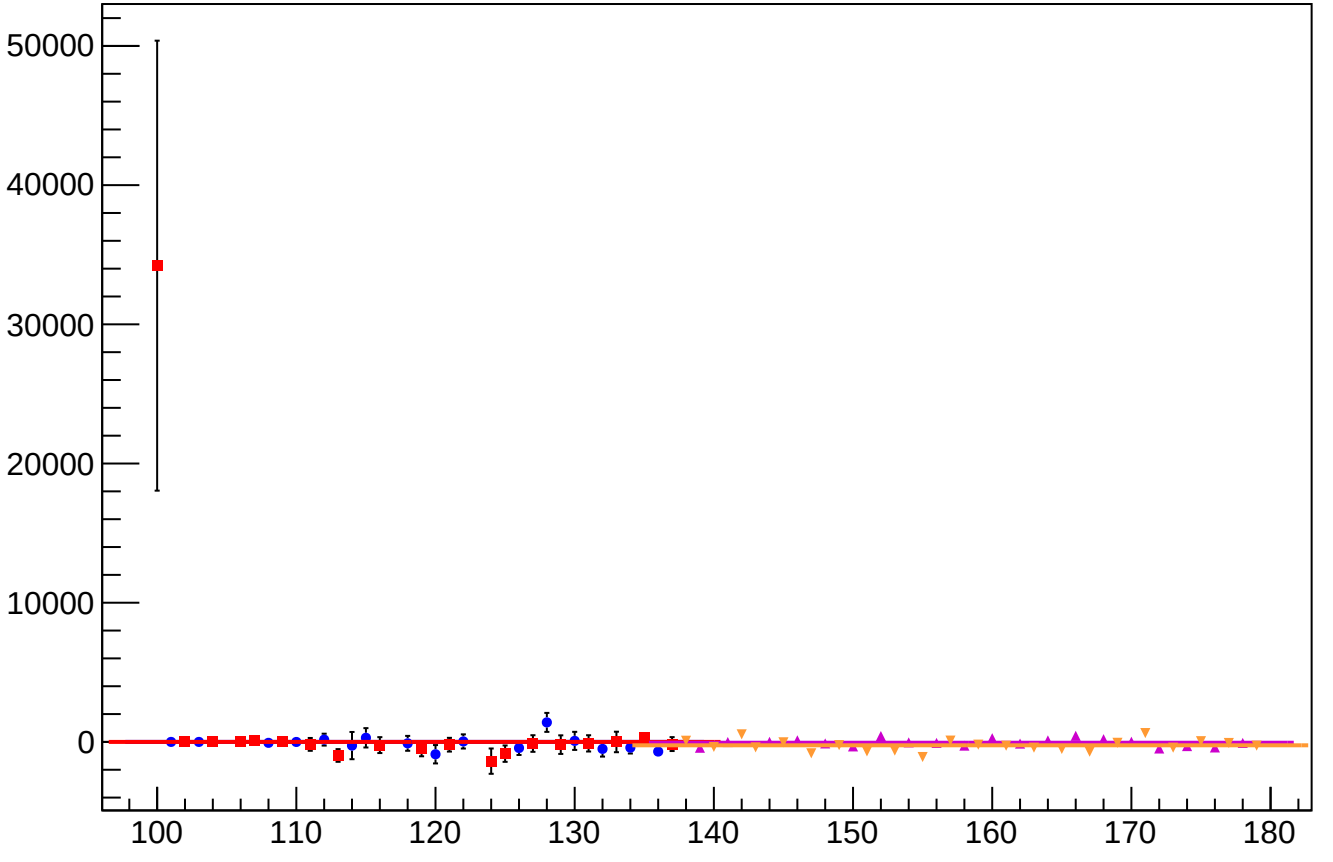
Left In: 179261.588+/-31.707 χ^2/NDF:487430.9/19

+ sign 186867.244+/-27.711 χ^2/NDF: 2465759.9/36

All: 185636.886+/-19.772 χ^2/NDF: 5152121.

- sign 184360.968+/-28.219 χ^2/NDF: 2682346.1/36

diff_cav4dX_mean vs Slug



Right In: -0.035+/-0.172 χ^2/NDF: 18.1/15

Left Out: -243.529+/-49.369 χ^2/NDF:56.6/21

Right Out: -0.355+/-0.160 χ^2/NDF: 16.5/18

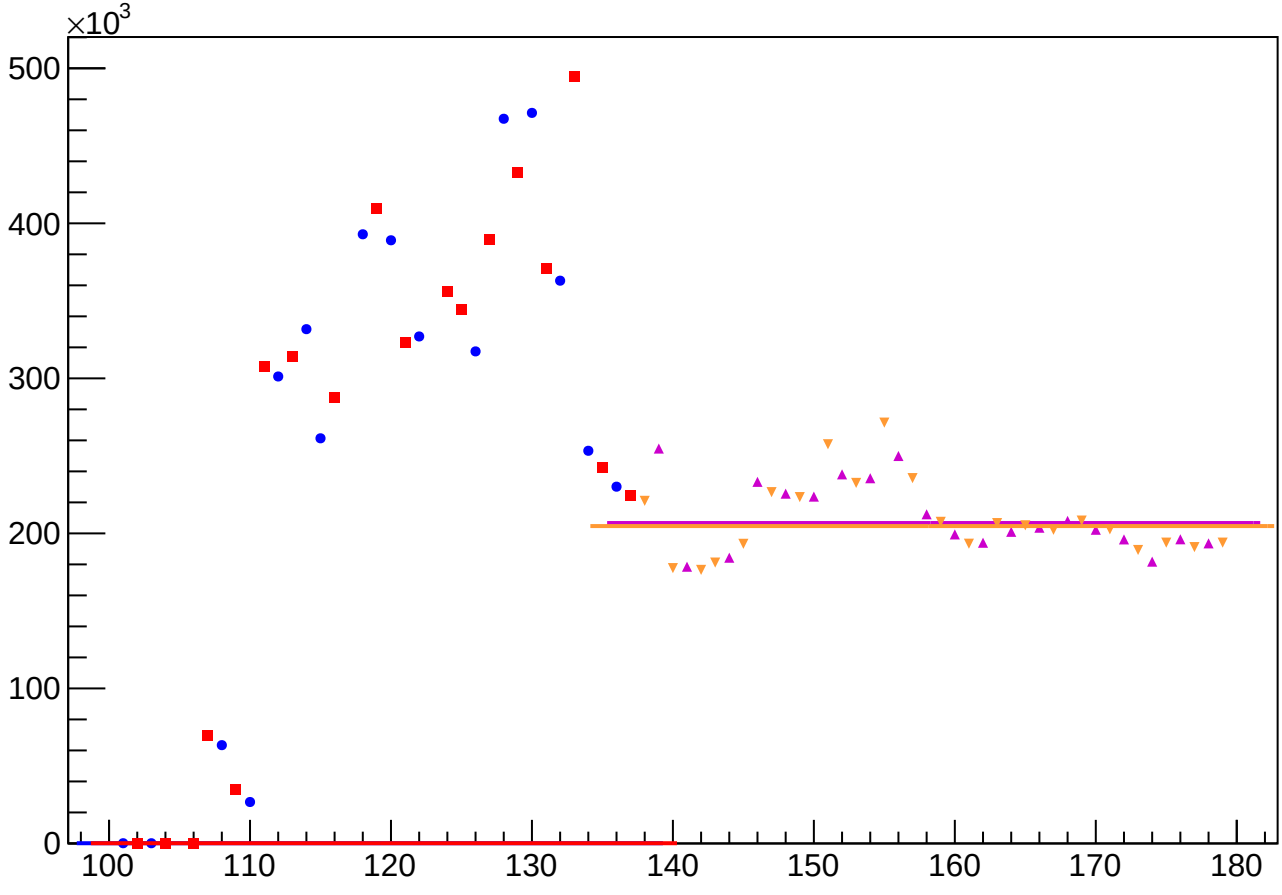
Left In: -59.017+/-51.491 χ^2/NDF:22.6/19

+ sign -0.038+/-0.172 χ^2/NDF: 99.0/37

All: -0.208+/-0.117 χ^2/NDF: 141.2/76

- sign -0.356+/-0.160 χ^2/NDF: 40.4/38

diff_cav4dX_rms vs Slug



Right In: 149.092+/-0.122 χ^2/NDF: 11301940.9/15

Left Out: 204723.177+/-34.909 χ^2/NDF:386426.2/21

Right Out: 149.379+/-0.113 χ^2/NDF: 11288711.4/17

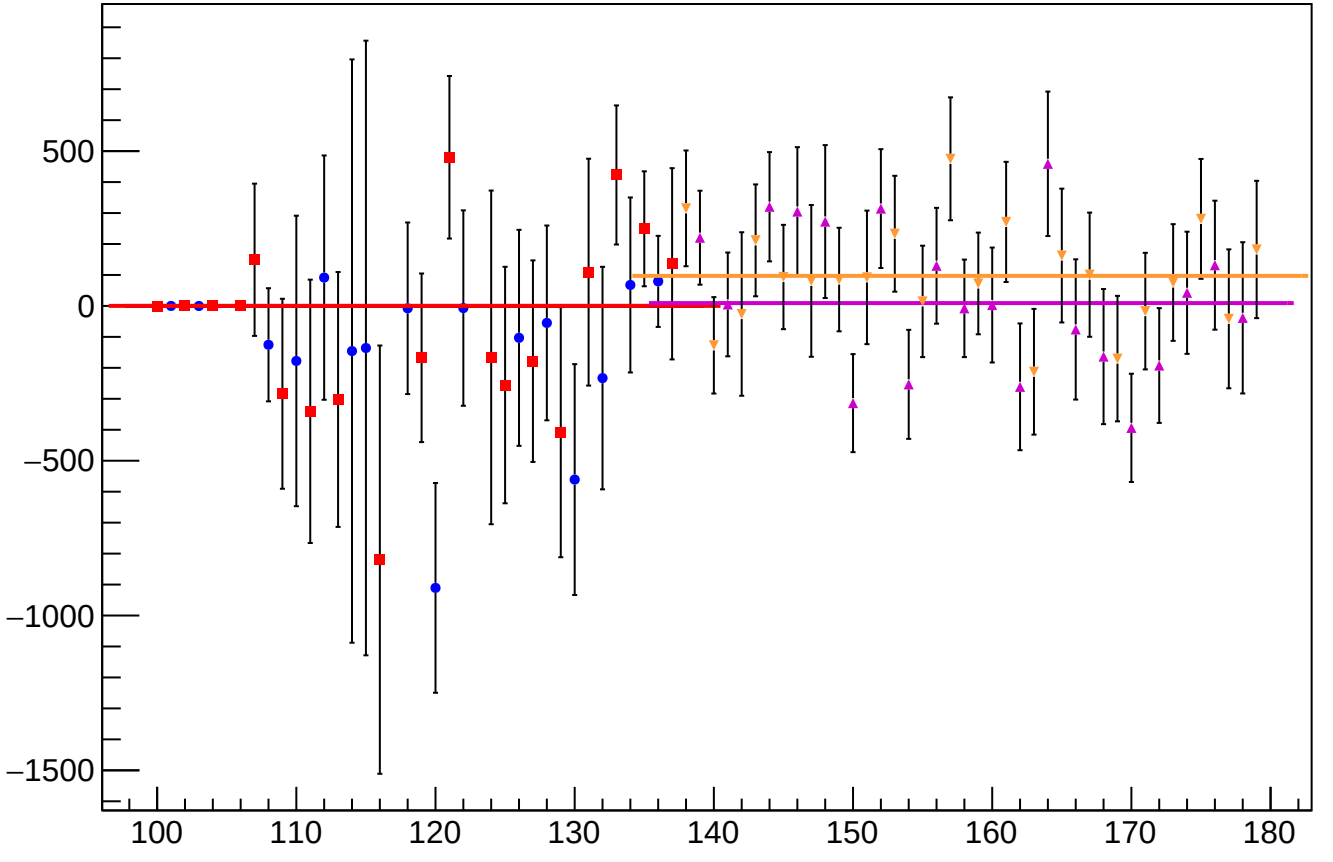
Left In: 206688.769+/-36.409 χ^2/NDF:340877.1/19

+ sign 151.583+/-0.122 χ^2/NDF: 46029930.0/37

All: 151.472+/-0.083 χ^2/NDF: 89838556.4/75

- sign 151.376+/-0.113 χ^2/NDF: 43808624.9/37

diff_cav4dY_mean vs Slug



Right In: -0.068+/-0.177 χ^2/NDF: 11.2/15

Left Out: 97.096+/-41.151 χ^2/NDF:15.2/21

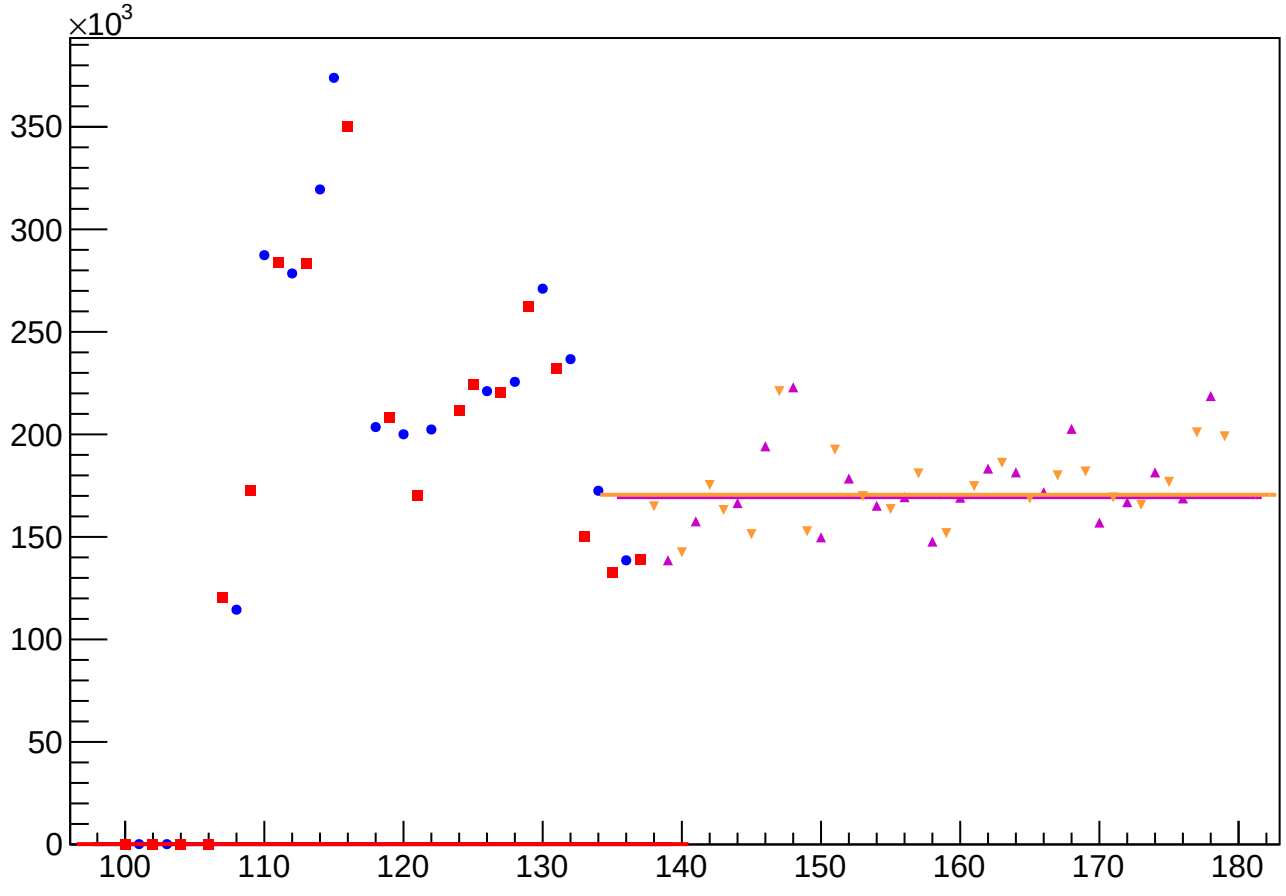
Right Out: 0.126+/-0.166 χ^2/NDF: 15.2/18

Left In: 9.164+/-42.337 χ^2/NDF:30.7/19

+ sign -0.066+/-0.177 χ^2/NDF: 32.0/37

All: 0.036+/-0.121 χ^2/NDF: 78.6/76

- sign 0.126+/-0.166 χ^2/NDF: 46.0/38



Right In: 153.460+/-0.125 χ^2/NDF: 11904914.7/15

Left Out: 170541.827+/-29.098 χ^2/NDF:356792.7/21

Right Out: 156.158+/-0.118 χ^2/NDF: 11330885.6/18

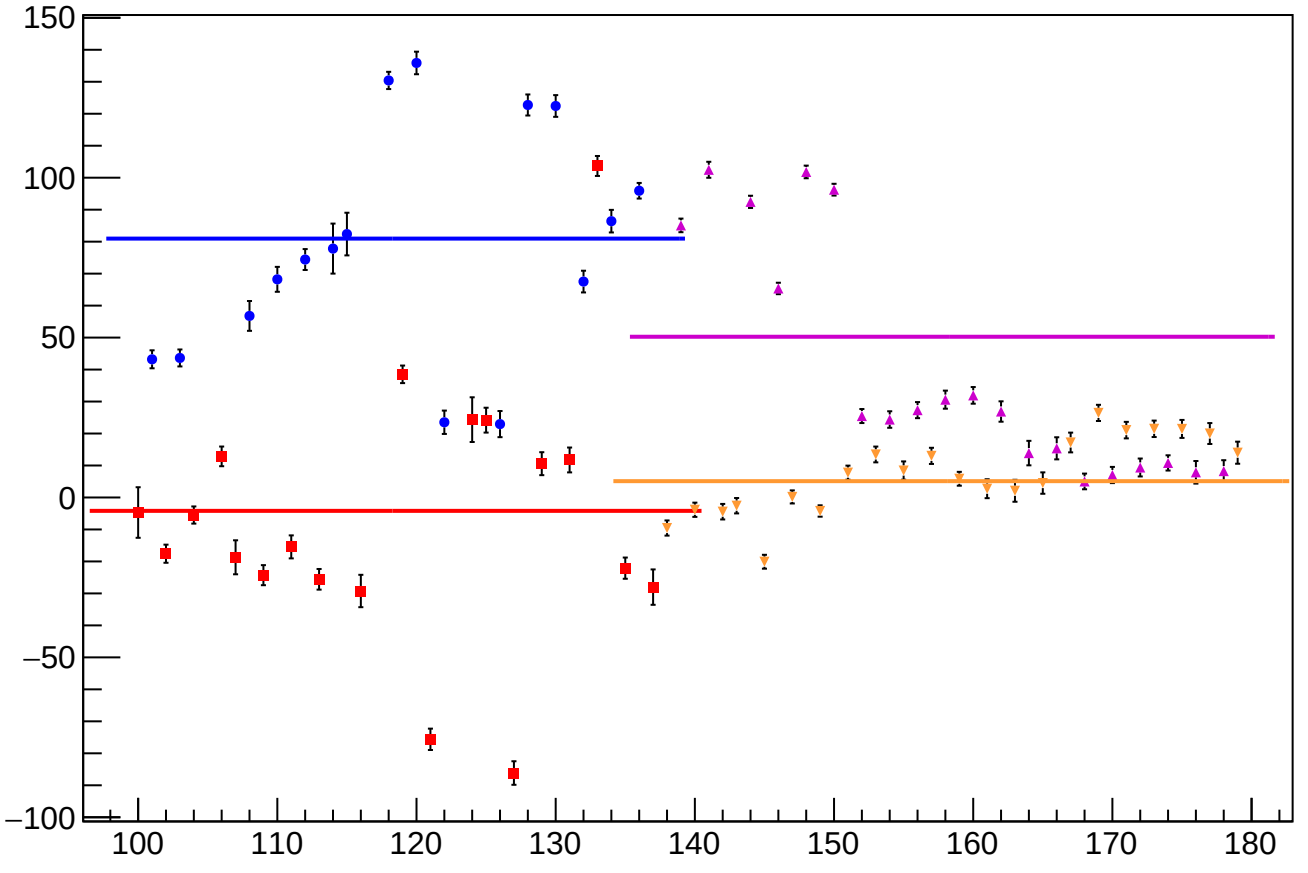
Left In: 169391.575+/-29.937 χ^2/NDF:450370.0/19

+ sign 156.621+/-0.125 χ^2/NDF: 46550205.2/37

All: 157.765+/-0.086 χ^2/NDF: 90288238.7/76

- sign 158.775+/-0.118 χ^2/NDF: 43737876.6/38

diff_bpm0i01X_mean vs Slug



Right In: 80.955+/-0.851 χ^2/NDF: 1813.9/15

Left Out: 5.104+/-0.534 χ^2/NDF:500.1/21

Right Out: -4.183+/-0.820 χ^2/NDF: 2719.7/18

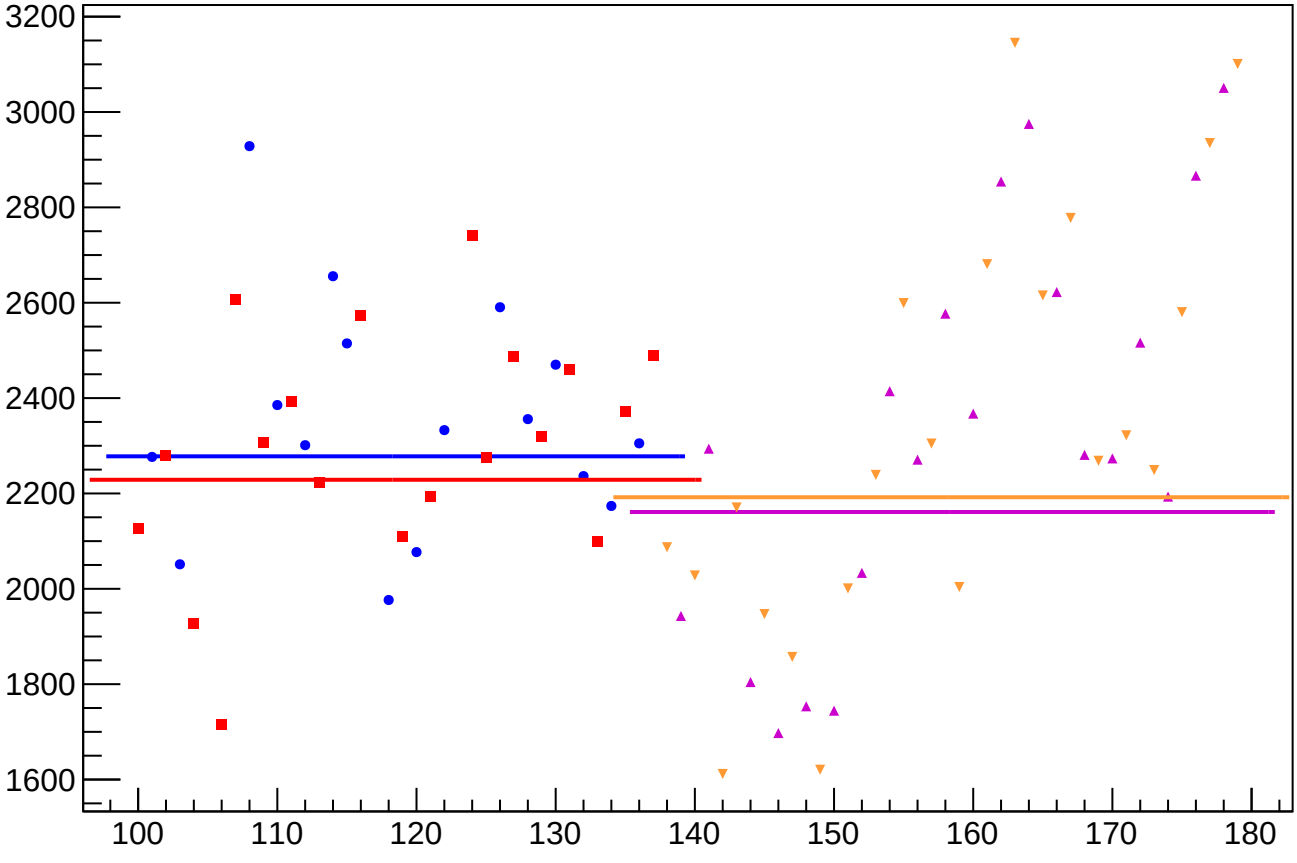
Left In: 50.264+/-0.547 χ^2/NDF:4631.7/19

\+ sign 26.523+/-0.452 χ^2/NDF: 8009.0/37

All: 30.000+/-0.321 χ^2/NDF: 18530.7/76

\- sign 33.513+/-0.455 χ^2/NDF: 10403.1/38

diff_bpm0i01X_rms vs Slug



Right In: 2277.867+/-0.602 χ^2/NDF: 115771.4/15

Left Out: 2192.038+/-0.378 χ^2/NDF:1090117.3/21

Right Out: 2228.689+/-0.580 χ^2/NDF: 151135.6/18

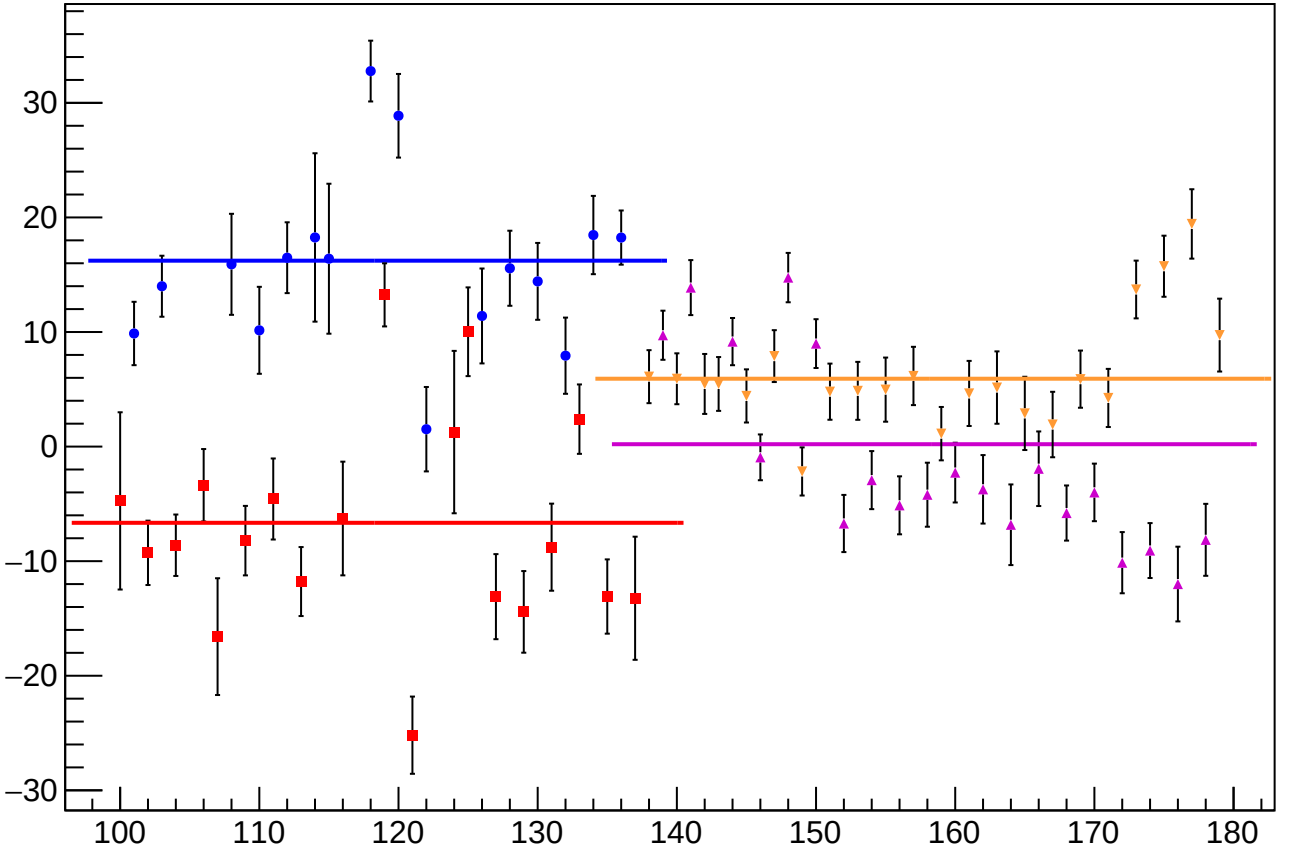
Left In: 2161.102+/-0.387 χ^2/NDF:981080.3/19

+ sign 2216.274+/-0.320 χ^2/NDF: 1220472.5/37

All: 2199.176+/-0.227 χ^2/NDF: 2367836.1/76

- sign 2181.895+/-0.322 χ^2/NDF: 1141620.8/38

diff_bpm0i01Y_mean vs Slug



Right In: 16.226+/-0.838 χ^2/NDF: 84.5/15

Left Out: 5.923+/-0.544 χ^2/NDF:68.9/21

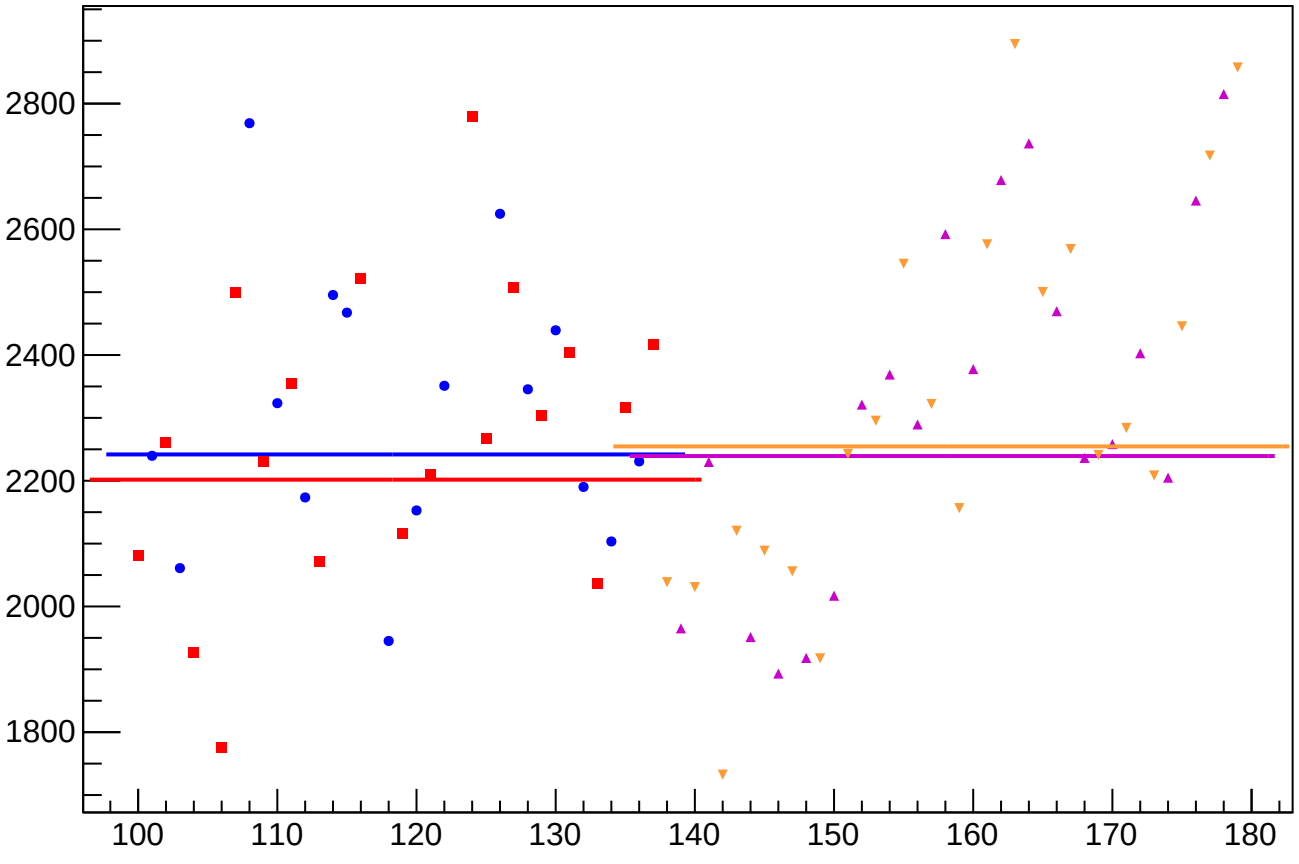
Right Out: -6.652+/-0.809 χ^2/NDF: 134.6/18

Left In: 0.207+/-0.560 χ^2/NDF:217.2/19

+ sign 8.979+/-0.456 χ^2/NDF: 259.8/37

All: 3.535+/-0.324 χ^2/NDF: 947.8/76

- sign -2.014+/-0.461 χ^2/NDF: 400.4/38



Right In: 2241.853+/-0.592 χ^2/NDF: 102260.7/15

Left Out: 2254.633+/-0.385 χ^2/NDF:501770.1/21

Right Out: 2201.739+/-0.572 χ^2/NDF: 129882.5/18

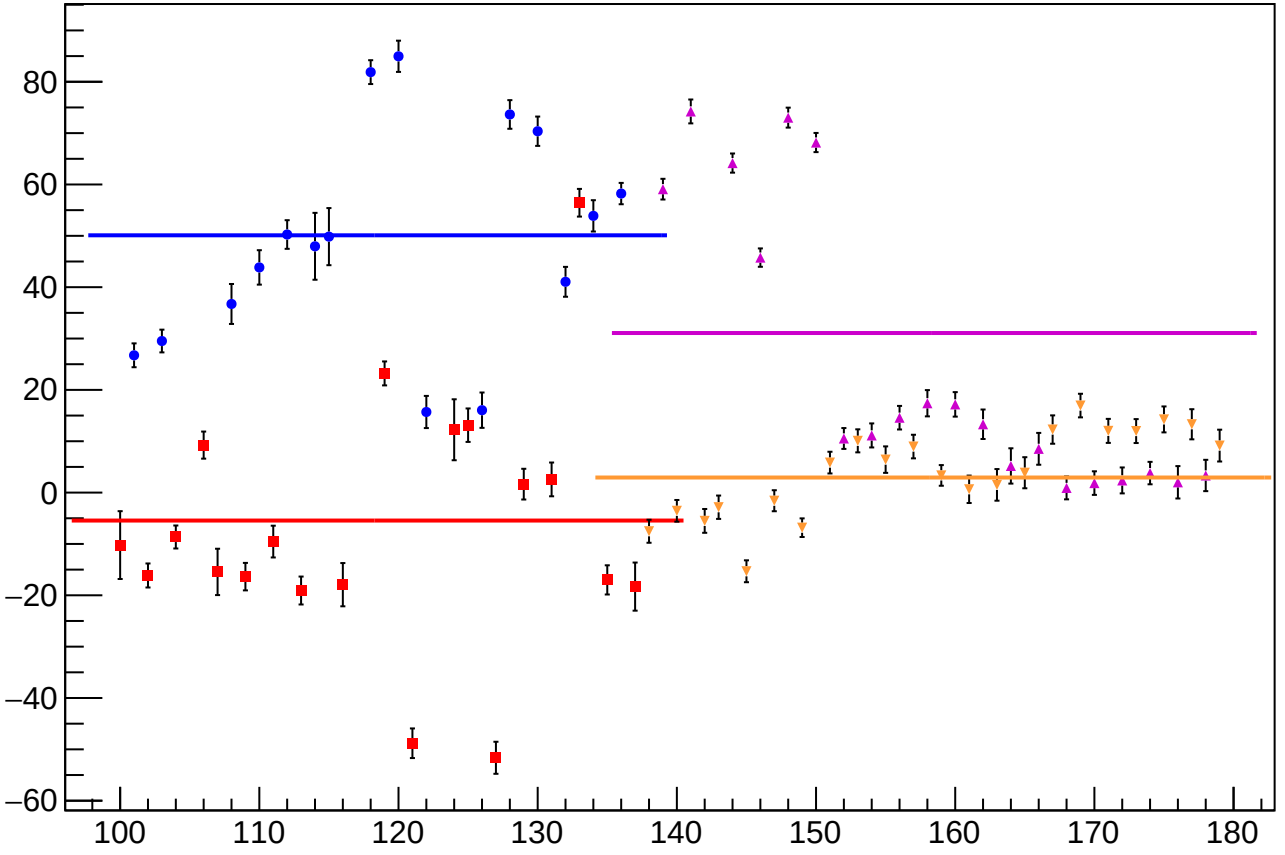
Left In: 2239.291+/-0.396 χ^2/NDF:443227.9/19

+ sign 2250.842+/-0.323 χ^2/NDF: 604358.3/37

All: 2239.100+/-0.229 χ^2/NDF: 1183056.8/76

- sign 2227.132+/-0.326 χ^2/NDF: 576022.4/38

diff_bpm0i01aX_mean vs Slug



Right In: 50.102+/-0.722 χ^2/NDF: 888.5/15

Left Out: 2.935+/-0.500 χ^2/NDF:295.4/21

Right Out: -5.444+/-0.694 χ^2/NDF: 1311.6/18

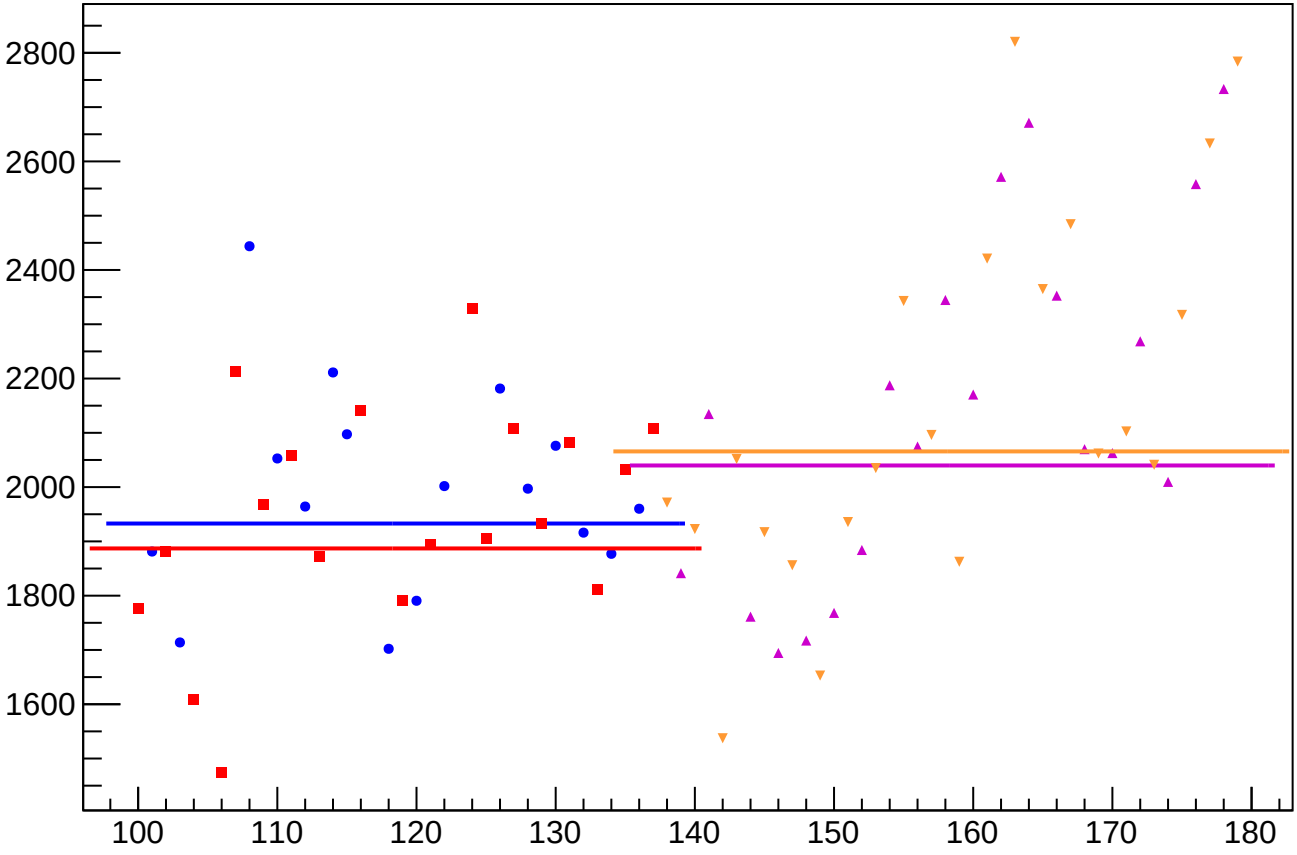
Left In: 31.074+/-0.513 χ^2/NDF:3015.6/19

\+ sign 18.233+/-0.411 χ^2/NDF: 4066.5/37

All: 18.208+/-0.291 χ^2/NDF: 10183.7/76

\- sign 18.183+/-0.412 χ^2/NDF: 6117.2/38

diff_bpm0i01aX_rms vs Slug



Right In: 1932.904+/-0.511 χ^2/NDF: 105967.6/15

Left Out: 2065.761+/-0.354 χ^2/NDF:726541.8/21

Right Out: 1887.006+/-0.491 χ^2/NDF: 149746.6/18

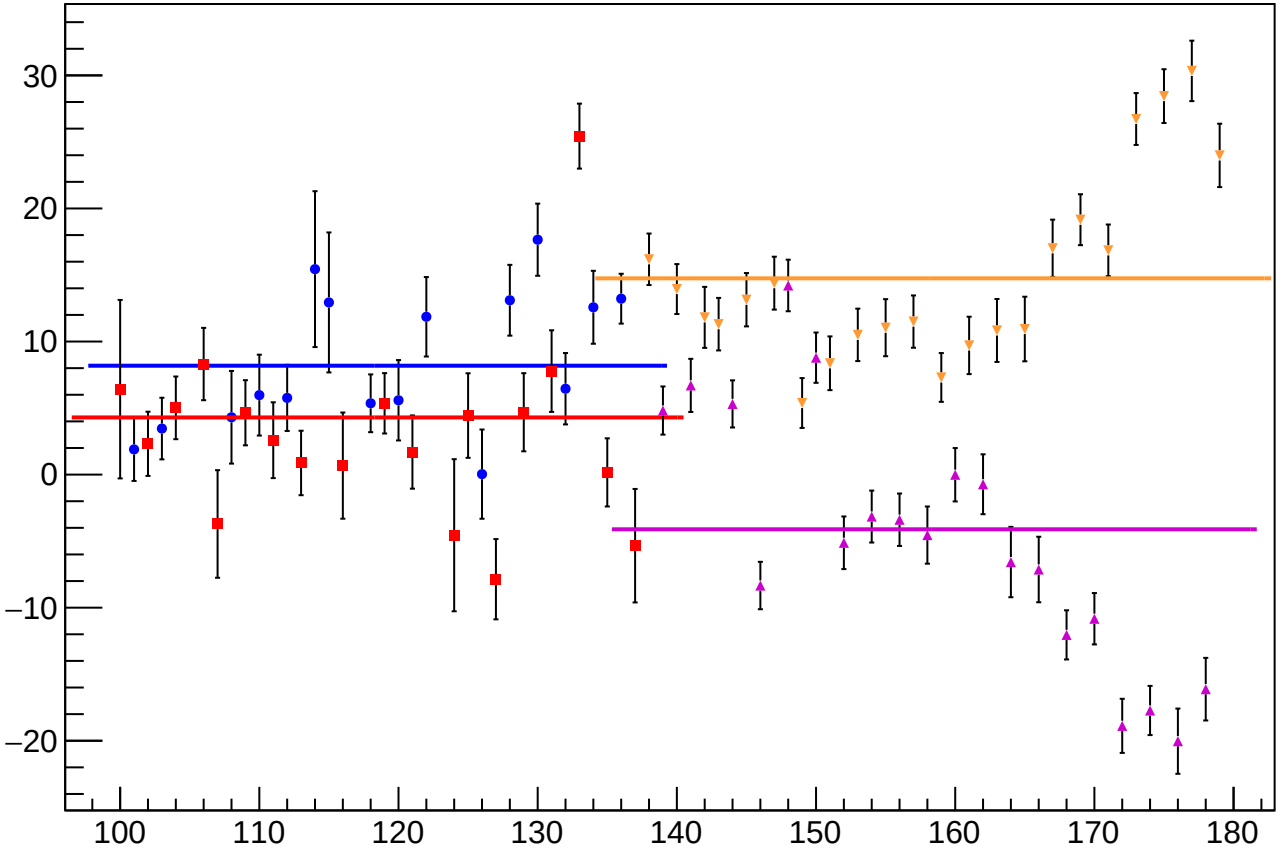
Left In: 2039.849+/-0.363 χ^2/NDF:625184.0/19

+ sign 2022.672+/-0.291 χ^2/NDF: 878250.4/37

All: 2004.339+/-0.206 χ^2/NDF: 1723868.7/76

- sign 1985.894+/-0.292 χ^2/NDF: 837644.7/38

diff_bpm0i01aY_mean vs Slug



Right In: 8.183+/-0.684 χ^2/NDF: 52.0/15

Left Out: 14.749+/-0.436 χ^2/NDF:232.1/21

Right Out: 4.297+/-0.665 χ^2/NDF: 114.0/18

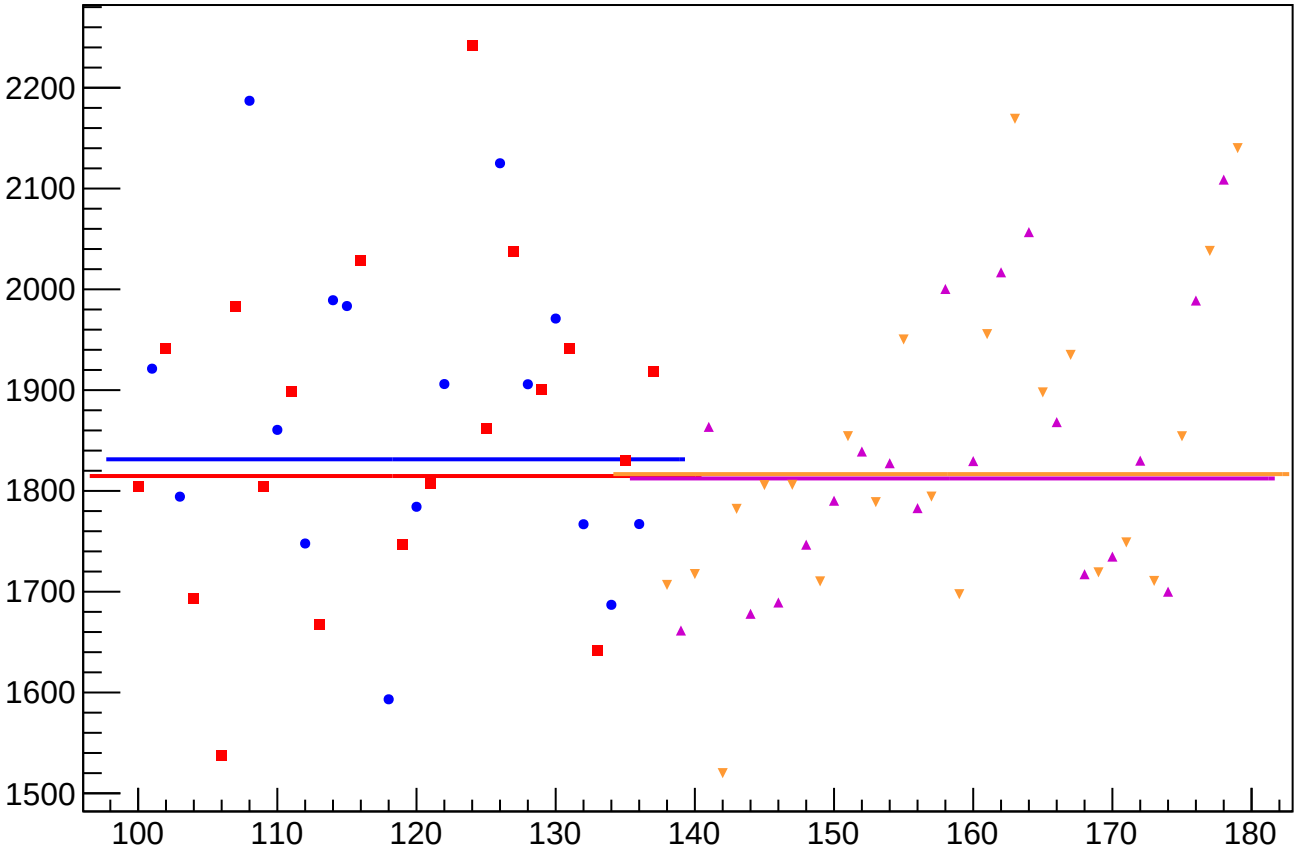
Left In: -4.109+/-0.451 χ^2/NDF:439.1/19

+ sign 12.850+/-0.368 χ^2/NDF: 349.6/37

All: 5.796+/-0.262 χ^2/NDF: 1759.3/76

- sign -1.468+/-0.373 χ^2/NDF: 662.4/38

diff_bpm0i01aY_rms vs Slug



Right In: 1831.359+/-0.483 χ^2/NDF: 86919.2/15

Left Out: 1816.678+/-0.308 χ^2/NDF:201438.6/21

Right Out: 1814.774+/-0.471 χ^2/NDF: 90738.7/18

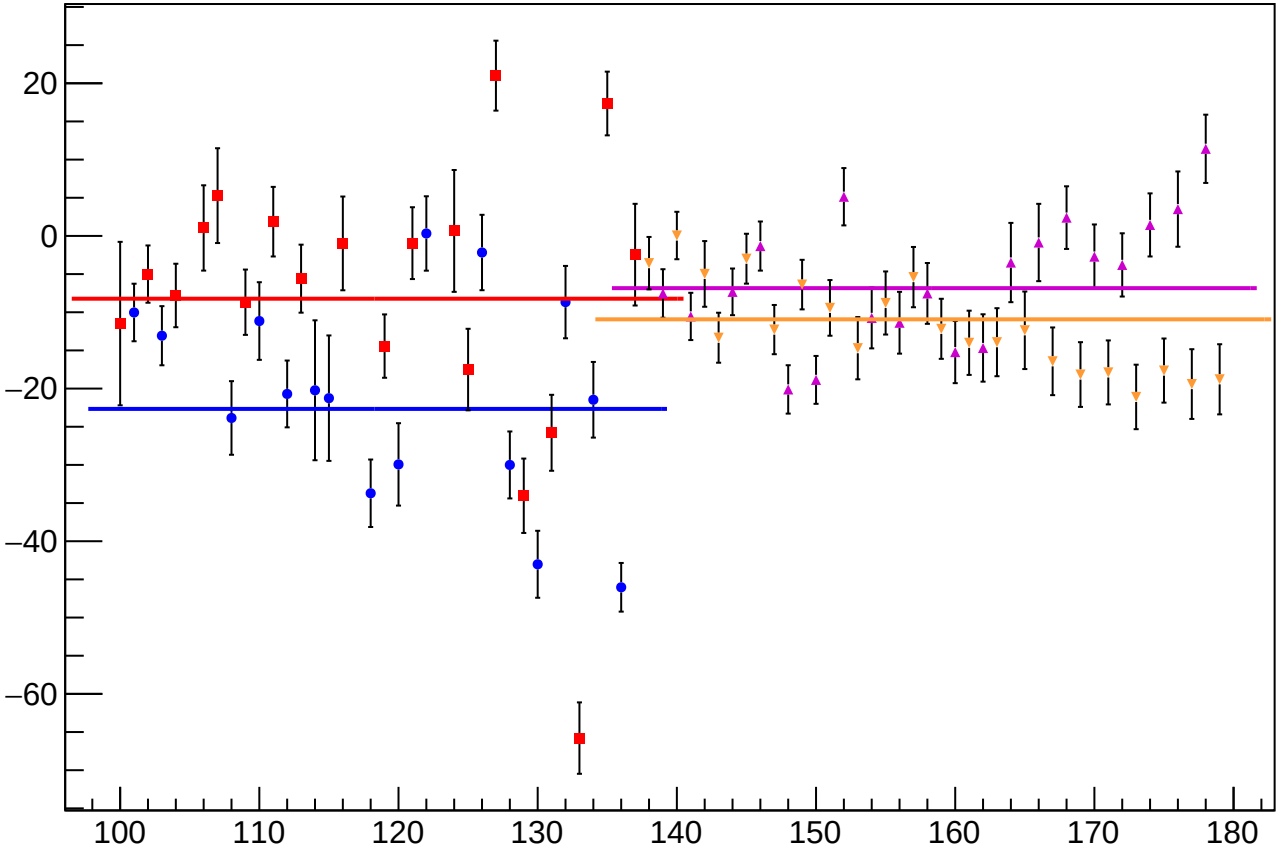
Left In: 1812.369+/-0.319 χ^2/NDF:148071.3/19

+ sign 1820.924+/-0.260 χ^2/NDF: 289013.6/37

All: 1817.082+/-0.185 χ^2/NDF: 528285.0/76

- sign 1813.125+/-0.264 χ^2/NDF: 238827.9/38

diff_bpm0l01X_mean vs Slug



Right In: -22.663+/-1.152 χ^2/NDF: 157.2/15

Left Out: -10.926+/-0.828 χ^2/NDF:53.9/21

Right Out: -8.224+/-1.129 χ^2/NDF: 294.8/18

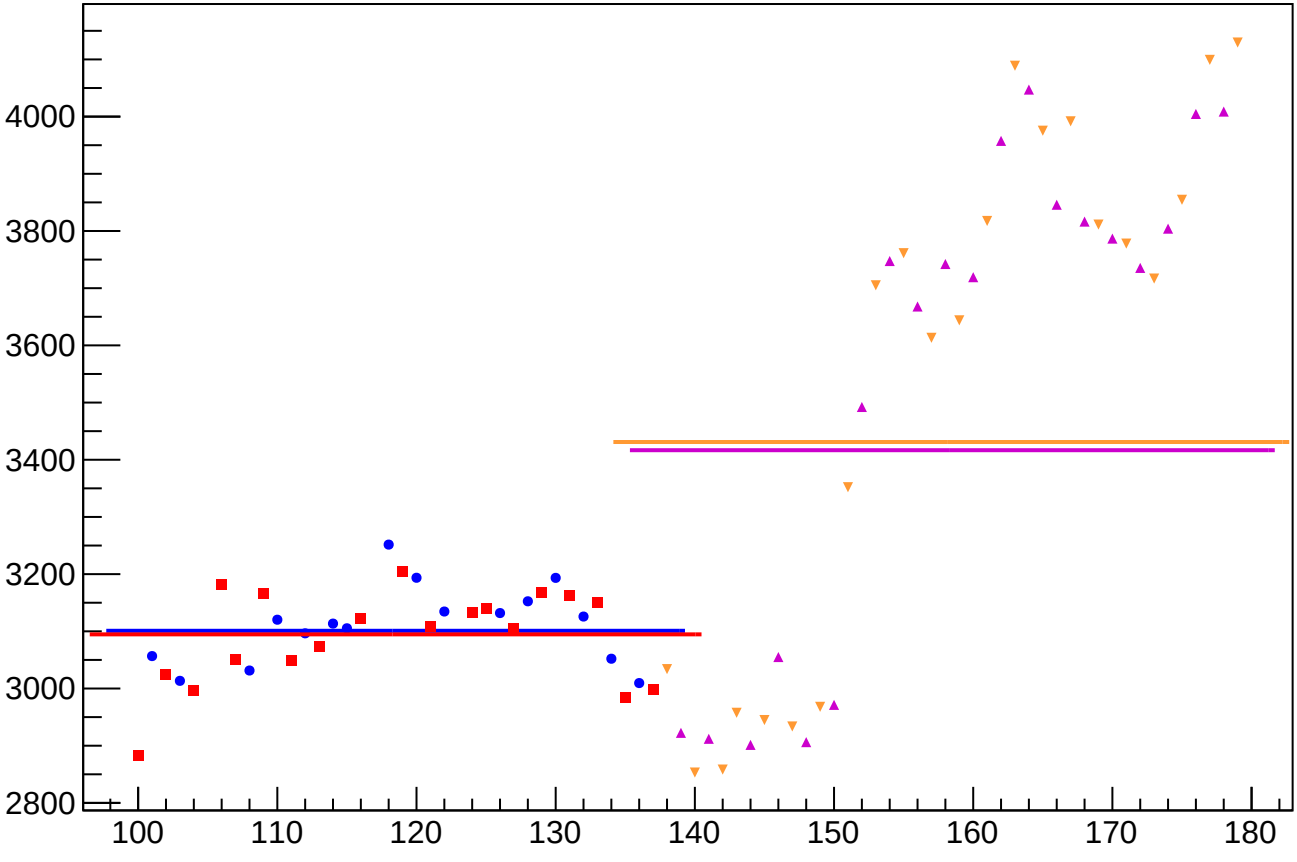
Left In: -6.842+/-0.852 χ^2/NDF:89.9/19

+ sign -14.922+/-0.672 χ^2/NDF: 279.6/37

All: -11.177+/-0.478 χ^2/NDF: 728.1/76

- sign -7.344+/-0.680 χ^2/NDF: 385.7/38

diff_bpm0l01X_rms vs Slug



Right In: 3100.940+/-0.815 χ^2/NDF: 7893.7/15

Left Out: 3431.041+/-0.585 χ^2/NDF:602203.6/21

Right Out: 3094.688+/-0.798 χ^2/NDF: 8584.4/18

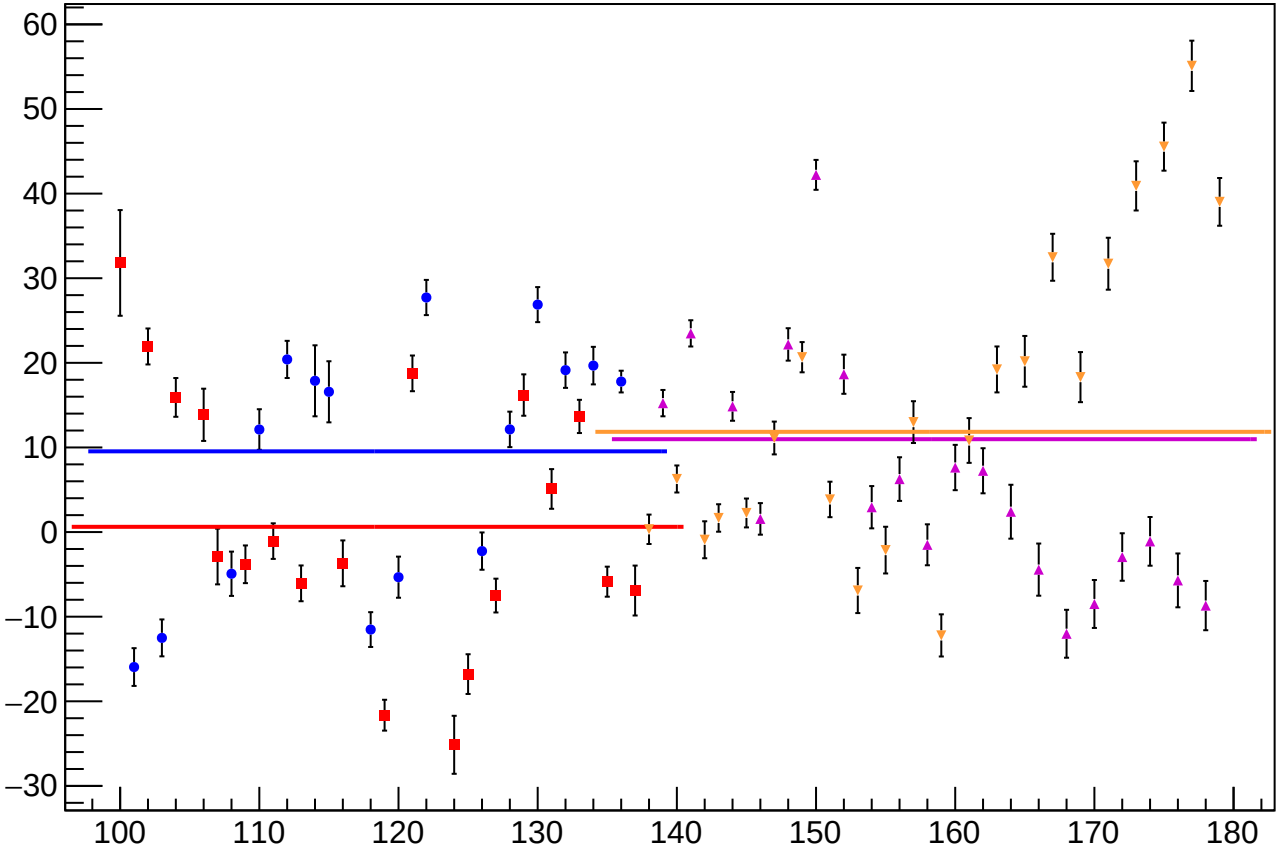
Left In: 3416.698+/-0.603 χ^2/NDF:523574.5/19

+ sign 3318.643+/-0.475 χ^2/NDF: 718411.5/37

All: 3309.335+/-0.338 χ^2/NDF: 1355020.3/76

- sign 3299.807+/-0.481 χ^2/NDF: 635832.7/38

diff_bpm0l01Y_mean vs Slug



Right In: 9.540+/-0.541 χ^2/NDF: 698.7/15

Left Out: 11.847+/-0.483 χ^2/NDF:1031.1/21

Right Out: 0.620+/-0.534 χ^2/NDF: 665.8/18

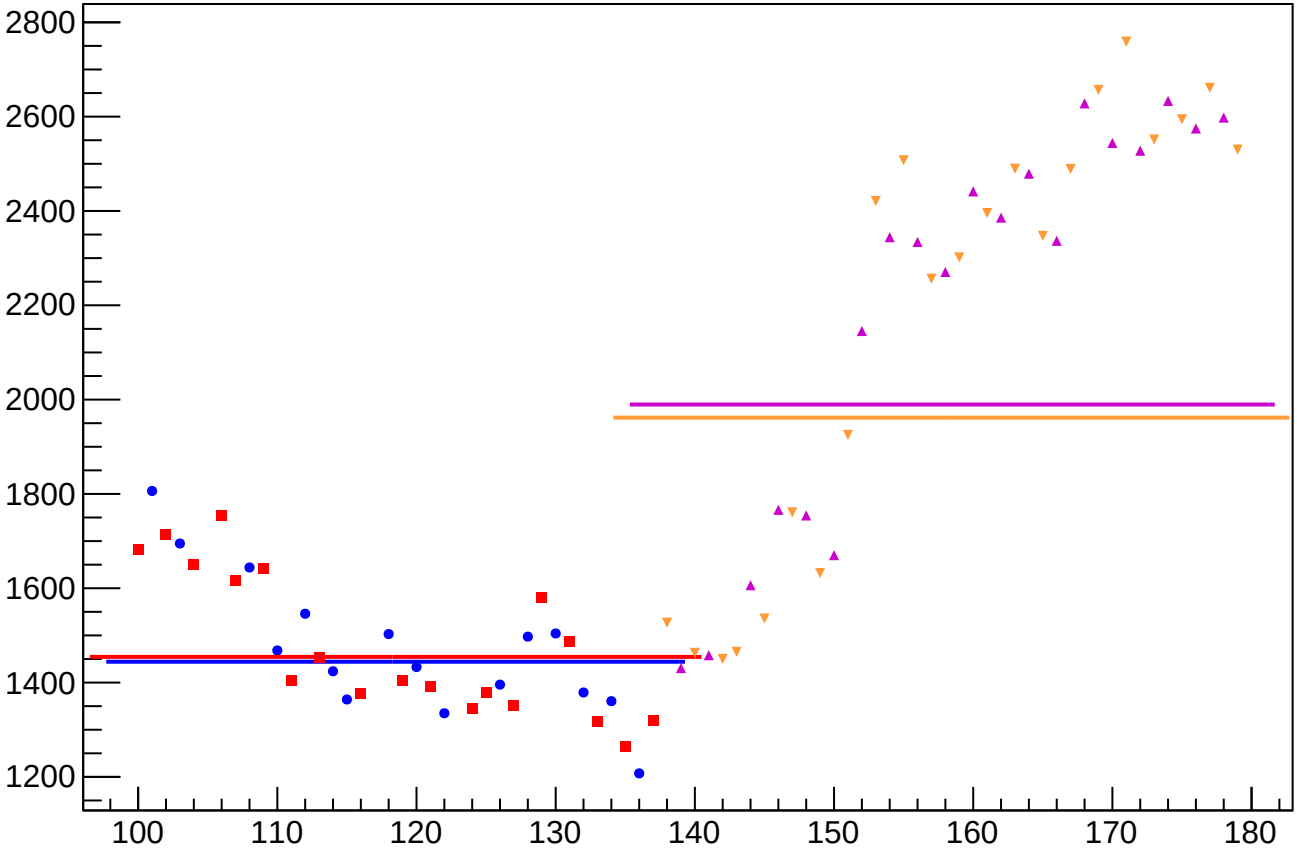
Left In: 10.975+/-0.505 χ^2/NDF:765.3/19

+ sign 10.824+/-0.361 χ^2/NDF: 1739.9/37

All: 8.497+/-0.257 χ^2/NDF: 3454.3/76

- sign 6.085+/-0.367 χ^2/NDF: 1629.5/38

diff_bpm0l01Y_rms vs Slug



Right In: 1444.188+/-0.383 χ^2/NDF: 180147.9/15

Left Out: 1961.820+/-0.342 χ^2/NDF:1888161.2/21

Right Out: 1454.470+/-0.378 χ^2/NDF: 142772.9/18

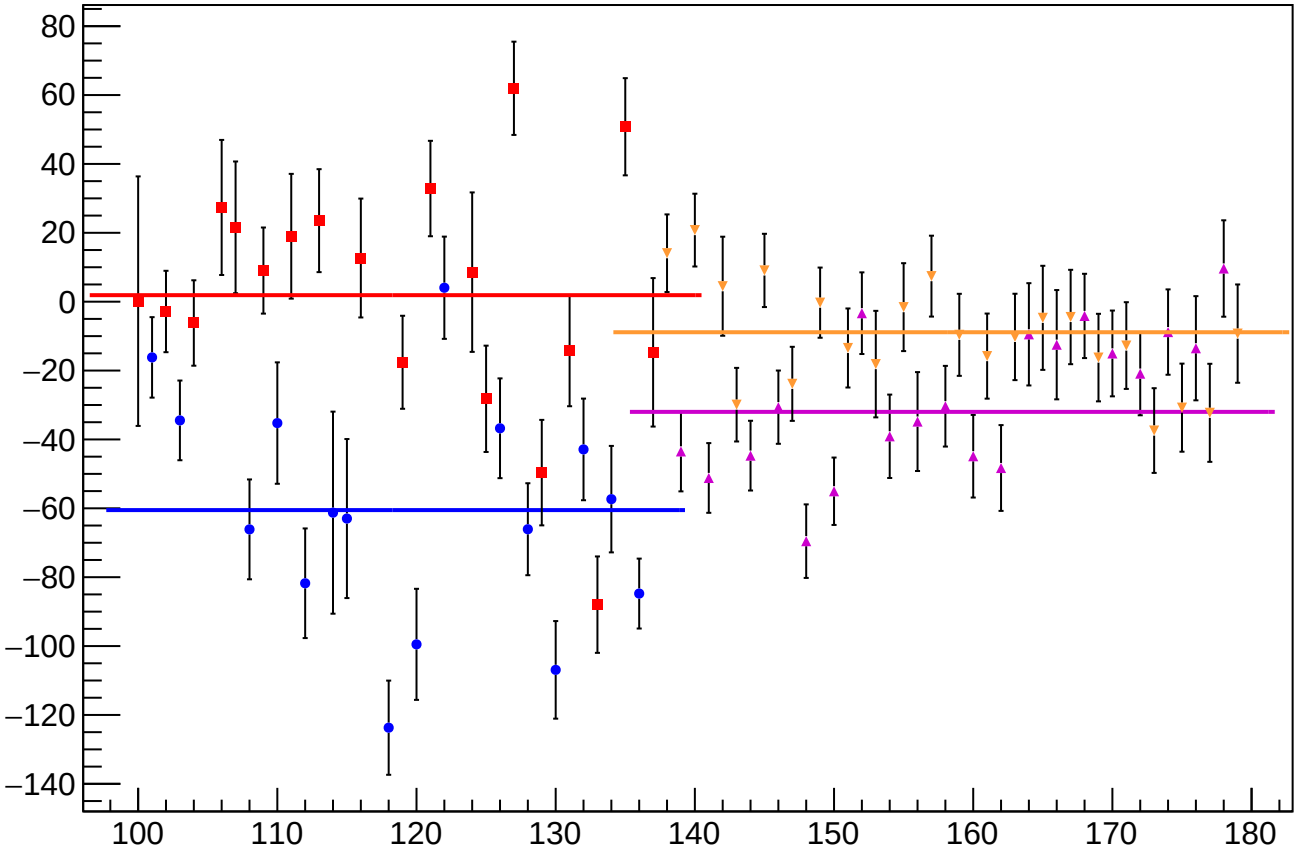
Left In: 1989.595+/-0.357 χ^2/NDF:1510704.6/19

+ sign 1732.178+/-0.255 χ^2/NDF: 3085848.7/37

All: 1734.503+/-0.182 χ^2/NDF: 5799125.0/76

- sign 1736.911+/-0.260 χ^2/NDF: 2713107.0/38

diff_bpm0l02X_mean vs Slug



Right In: -60.516+/-3.596 χ^2/NDF: 90.3/15

Left Out: -8.871+/-2.604 χ^2/NDF:37.0/21

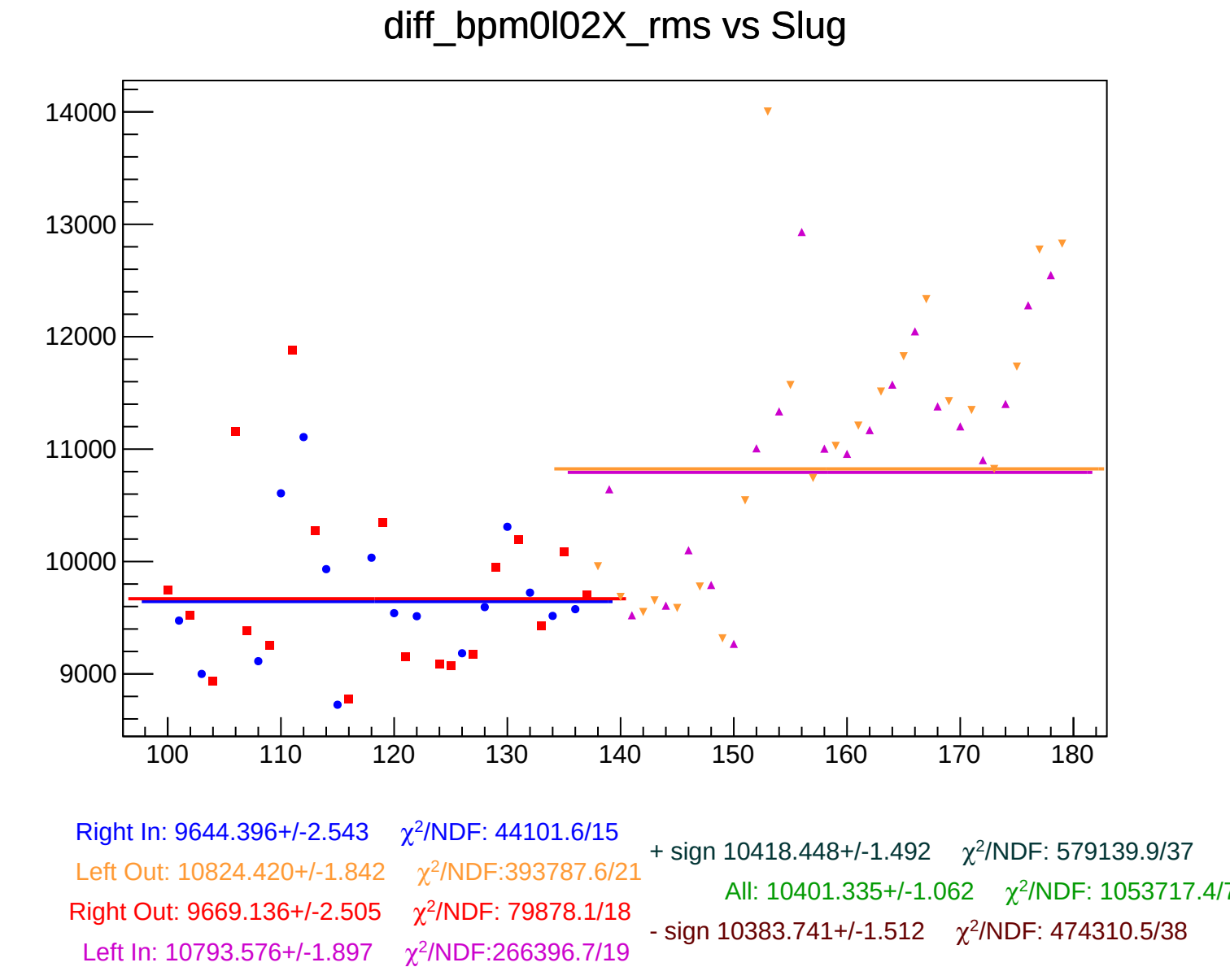
Right Out: 1.894+/-3.543 χ^2/NDF: 103.8/18

Left In: -31.995+/-2.683 χ^2/NDF:58.7/19

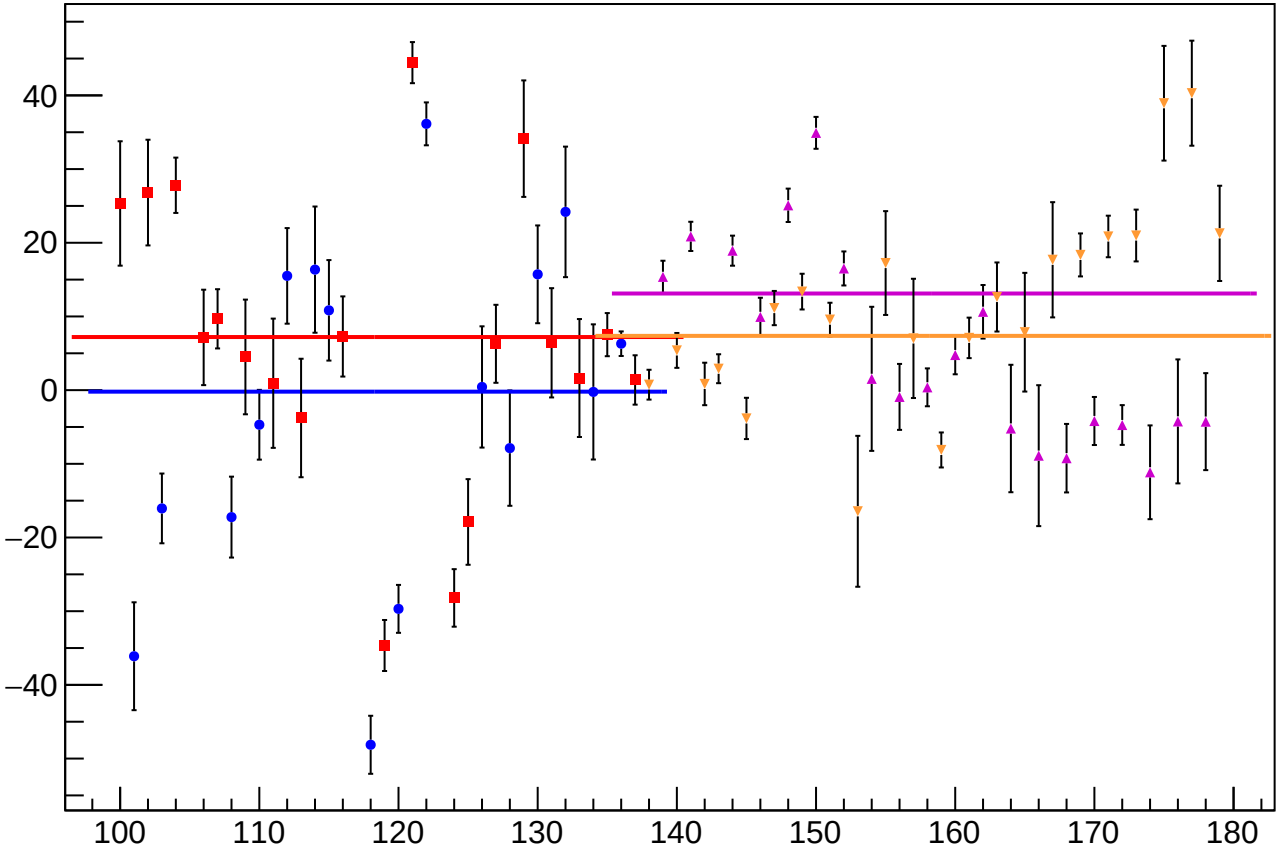
+ sign -26.639+/-2.109 χ^2/NDF: 262.6/37

All: -23.190+/-1.502 χ^2/NDF: 488.7/76

- sign -19.643+/-2.139 χ^2/NDF: 220.7/38


diff_bpm0l02X_rms vs Slug
14000
13000
12000
11000
10000
9000
100
110
120
130
140
150
160
170
180
Right In: 9644.396+/-2.543 χ²/NDF: 44101.6/15
Left Out: 10824.420+/-1.842 χ²/NDF:393787.6/21
Right Out: 9669.136+/-2.505 χ²/NDF: 79878.1/18
Left In: 10793.576+/-1.897 χ²/NDF:266396.7/19
+ sign 10418.448+/-1.492 χ²/NDF: 579139.9/37
All: 10401.335+/-1.062 χ²/NDF: 1053717.4/7
- sign 10383.741+/-1.512 χ²/NDF: 474310.5/38

diff_bpm0l02Y_mean vs Slug



Right In: -0.206+/-1.045 χ^2/NDF: 473.7/15

Left Out: 7.365+/-0.660 χ^2/NDF:194.8/21

Right Out: 7.206+/-1.074 χ^2/NDF: 485.6/18

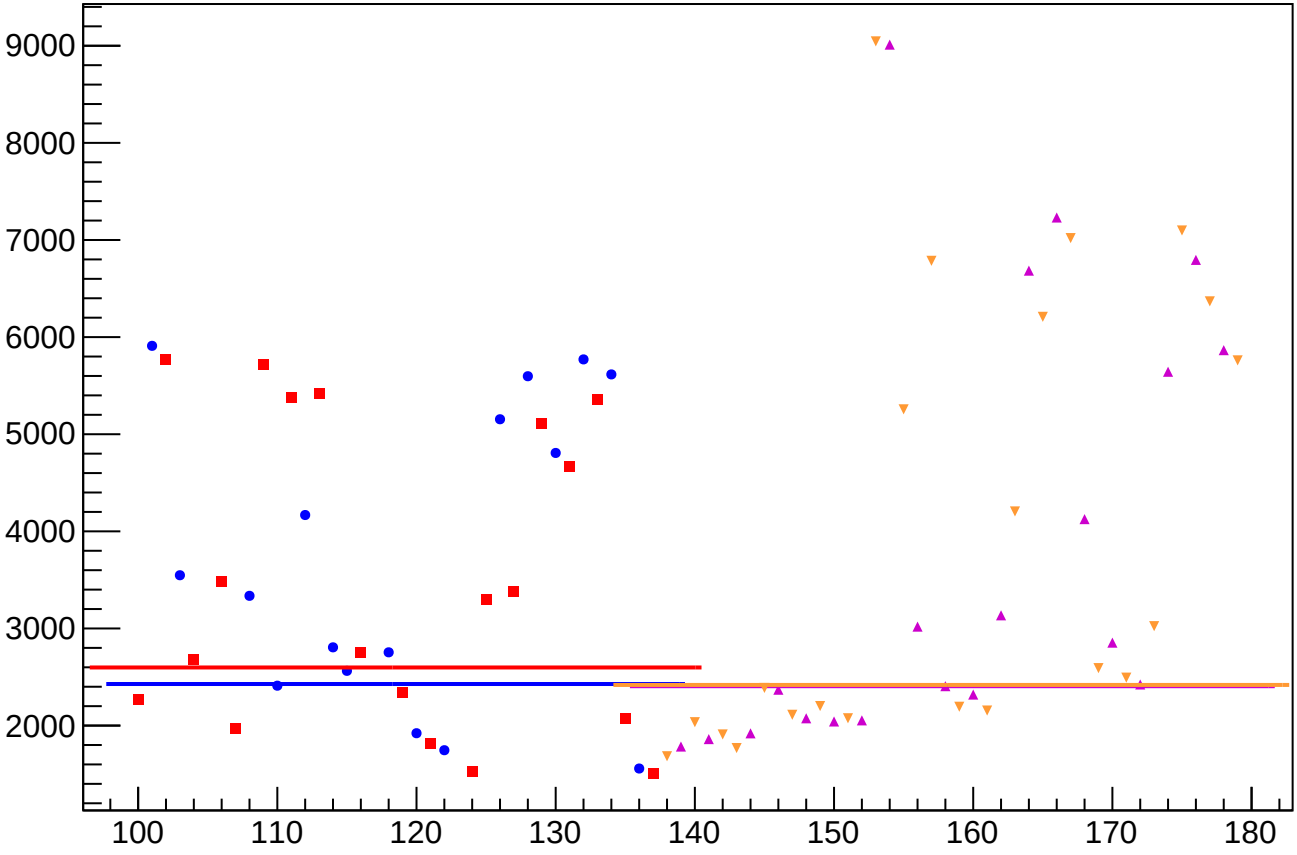
Left In: 13.114+/-0.667 χ^2/NDF:334.5/19

\+ sign 5.205+/-0.558 χ^2/NDF: 706.0/37

All: 8.290+/-0.398 χ^2/NDF: 1609.9/76

\- sign 11.468+/-0.567 χ^2/NDF: 842.0/38

diff_bpm0l02Y_rms vs Slug



Right In: 2428.080+/-0.739 χ^2/NDF: 2815335.2/15

Left Out: 2418.515+/-0.467 χ^2/NDF:5840026.3/21

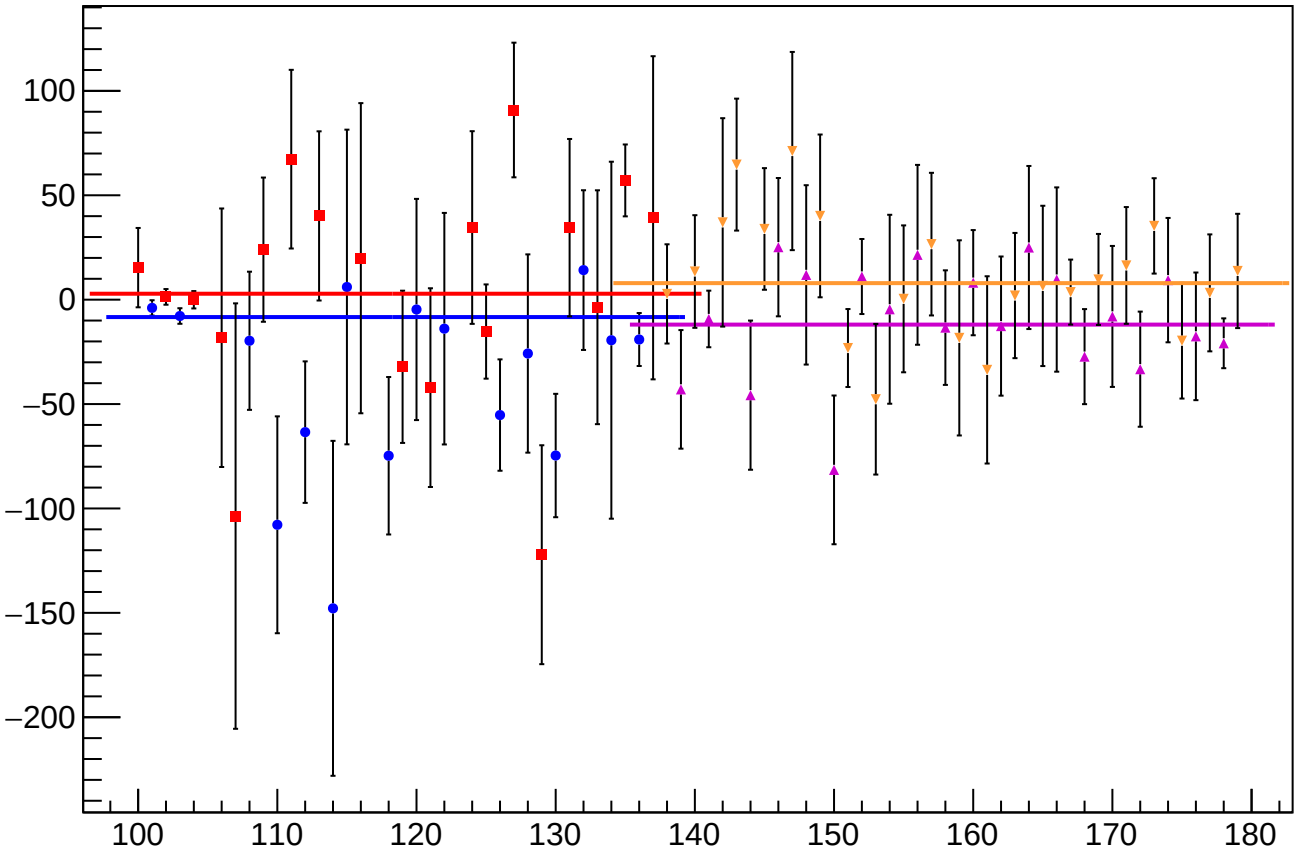
Right Out: 2598.321+/-0.759 χ^2/NDF: 2514932.7/18

Left In: 2405.466+/-0.472 χ^2/NDF:4531551.6/19

+ sign 2421.244+/-0.395 χ^2/NDF: 8655481.1/37

All: 2439.938+/-0.281 χ^2/NDF: 15753072.0/7

- sign 2459.193+/-0.401 χ^2/NDF: 7093039.9/38



Right In: -8.332+/-2.499 χ^2/NDF: 23.4/15

Left Out: 7.923+/-5.954 χ^2/NDF:16.3/21

Right Out: 2.848+/-2.640 χ^2/NDF: 32.6/18

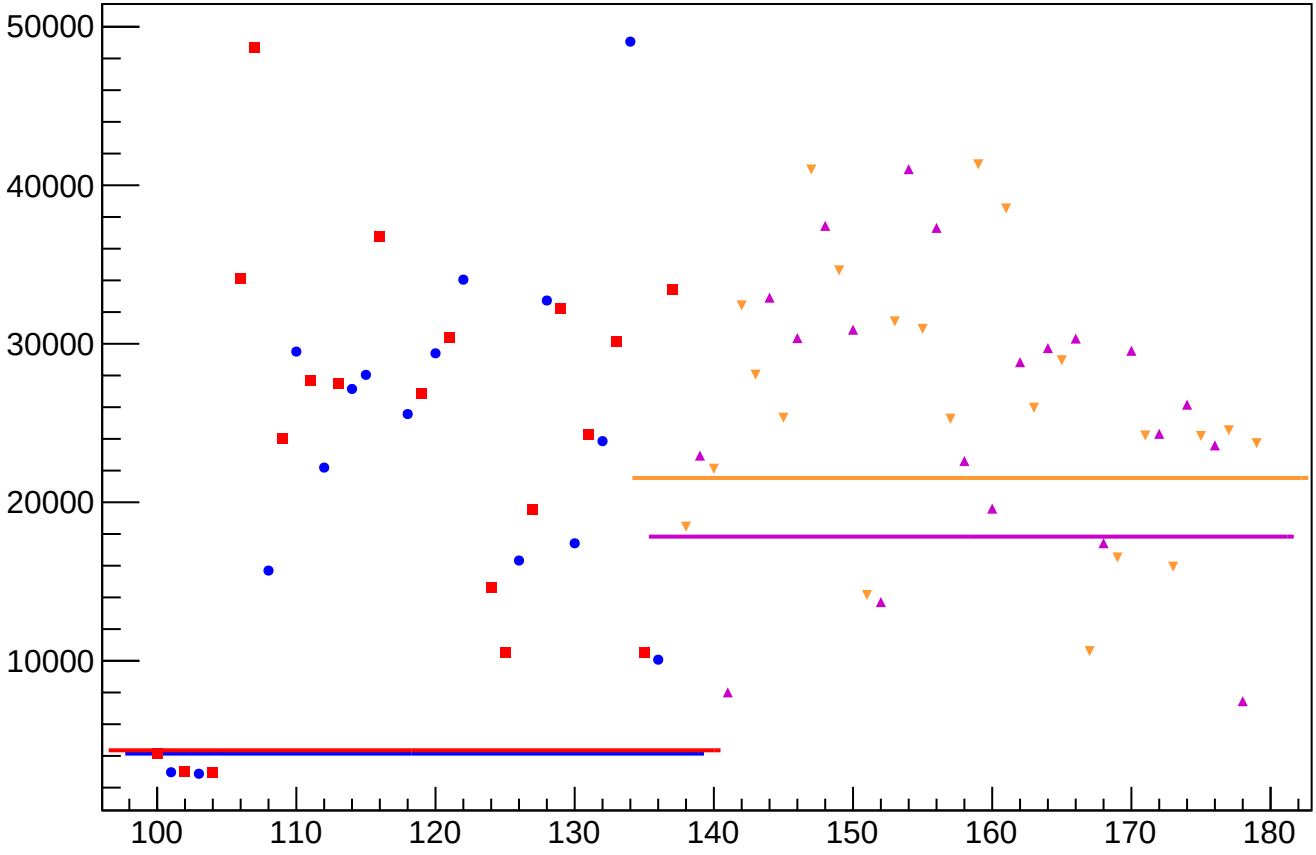
Left In: -11.942+/-5.577 χ^2/NDF:13.7/19

+ sign -5.897+/-2.305 χ^2/NDF: 46.1/37

All: -2.983+/-1.658 χ^2/NDF: 101.5/76

- sign 0.141+/-2.386 χ^2/NDF: 52.1/38

diff_bpm0l03X_rms vs Slug



Right In: 4145.795+/-1.767 χ^2/NDF: 6836950.5/15

Left Out: 21534.939+/-4.210 χ^2/NDF:3486851.0/21

Right Out: 4354.437+/-1.866 χ^2/NDF: 7624762.5/18

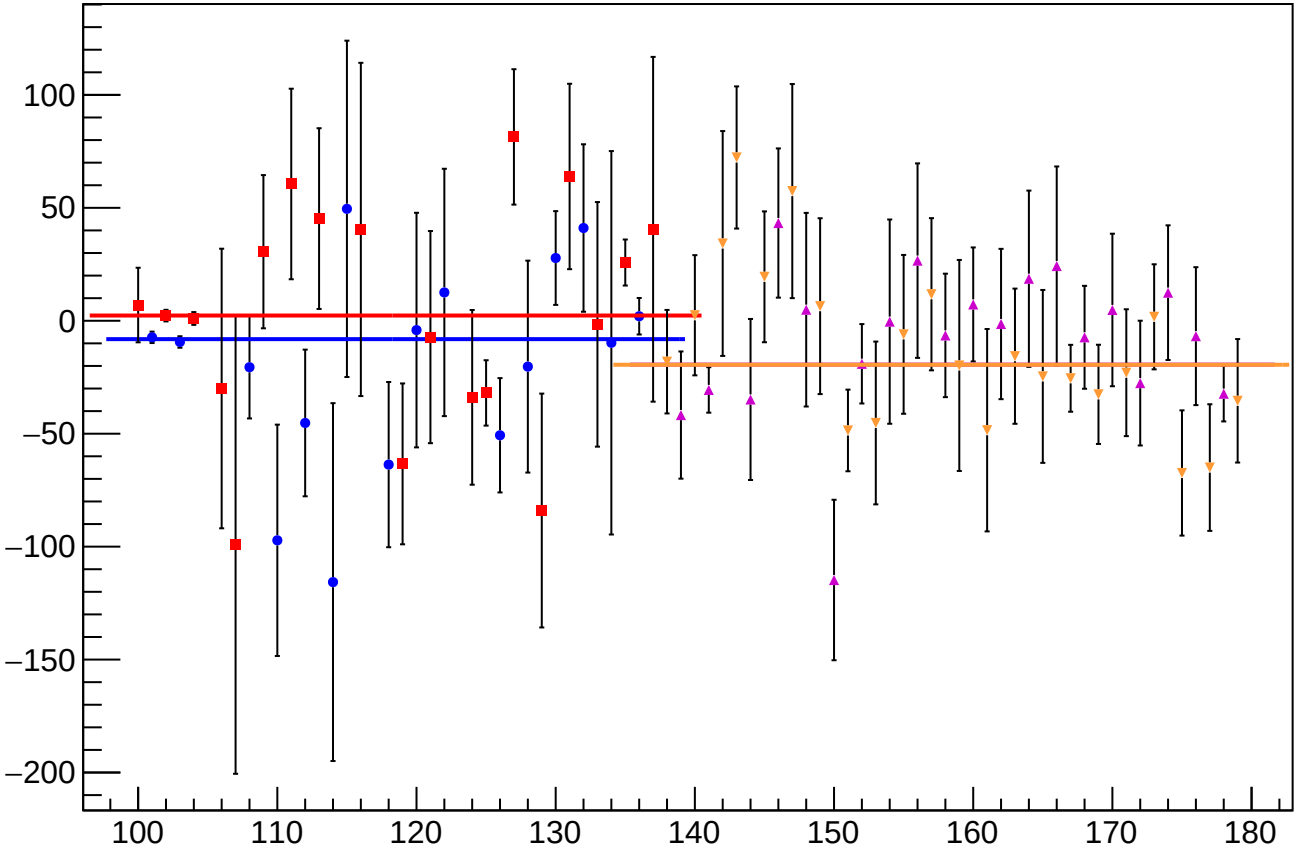
Left In: 17834.177+/-3.944 χ^2/NDF:6210380.6/19

+ sign 6750.826+/-1.630 χ^2/NDF: 24826845.5/37

All: 6784.802+/-1.172 χ^2/NDF: 48207920.8/7

- sign 6821.216+/-1.687 χ^2/NDF: 23380174.7/38

diff_bpm0l03Y_mean vs Slug



Right In: -8.132+/-1.720 χ^2/NDF: 19.1/15

Left Out: -19.477+/-5.875 χ^2/NDF:27.1/21

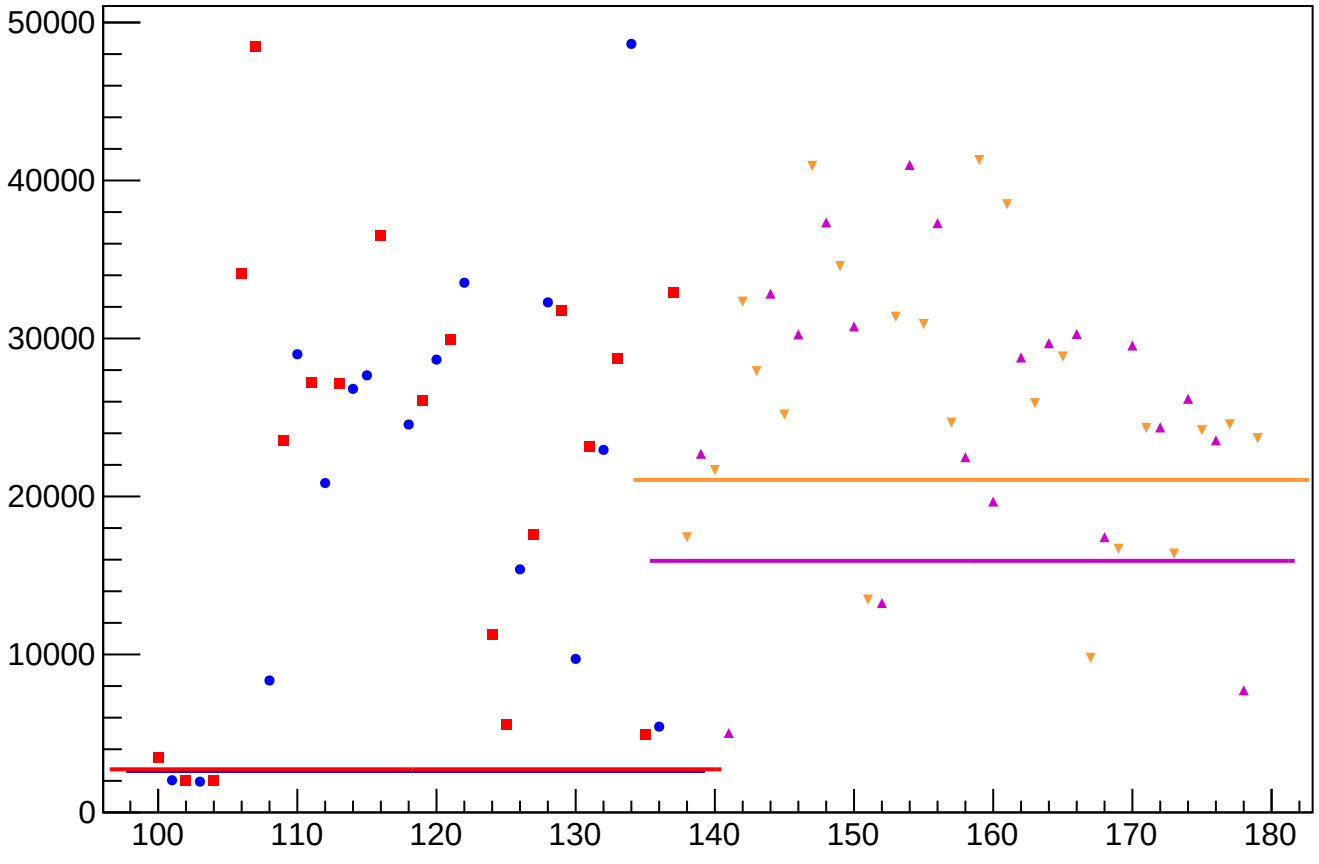
Right Out: 2.325+/-1.822 χ^2/NDF: 33.1/18

Left In: -19.415+/-5.243 χ^2/NDF:21.4/19

+ sign -9.028+/-1.651 χ^2/NDF: 49.7/37

All: -4.709+/-1.191 χ^2/NDF: 133.7/76

- sign -0.017+/-1.721 χ^2/NDF: 69.8/38



Right In: 2626.430+/-1.216 χ^2/NDF: 6780884.6/15

Left Out: 21049.579+/-4.154 χ^2/NDF:3815558.6/21

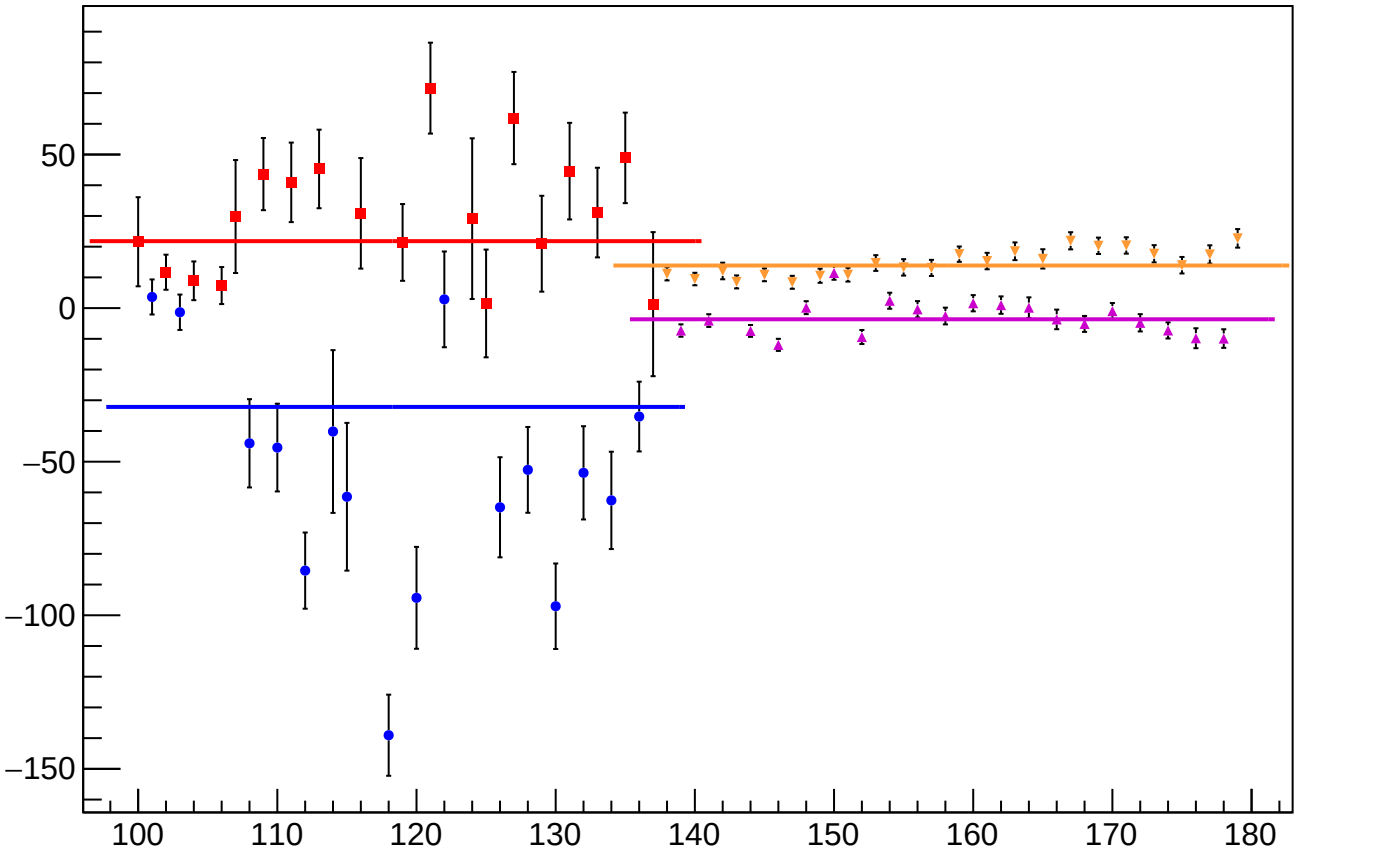
Right Out: 2730.235+/-1.288 χ^2/NDF: 7985984.4/18

Left In: 15924.509+/-3.707 χ^2/NDF:7983423.3/19

+ sign 4081.371+/-1.167 χ^2/NDF: 28709226.7/37

All: 4115.013+/-0.842 χ^2/NDF: 55982820.0/7

- sign 4151.555+/-1.217 χ^2/NDF: 27271861.0/38



Right In: -32.171+/-2.842 χ^2/NDF: 207.8/15

Left Out: 13.869+/-0.534 χ^2/NDF:63.4/21

Right Out: 21.801+/-2.557 χ^2/NDF: 49.1/18

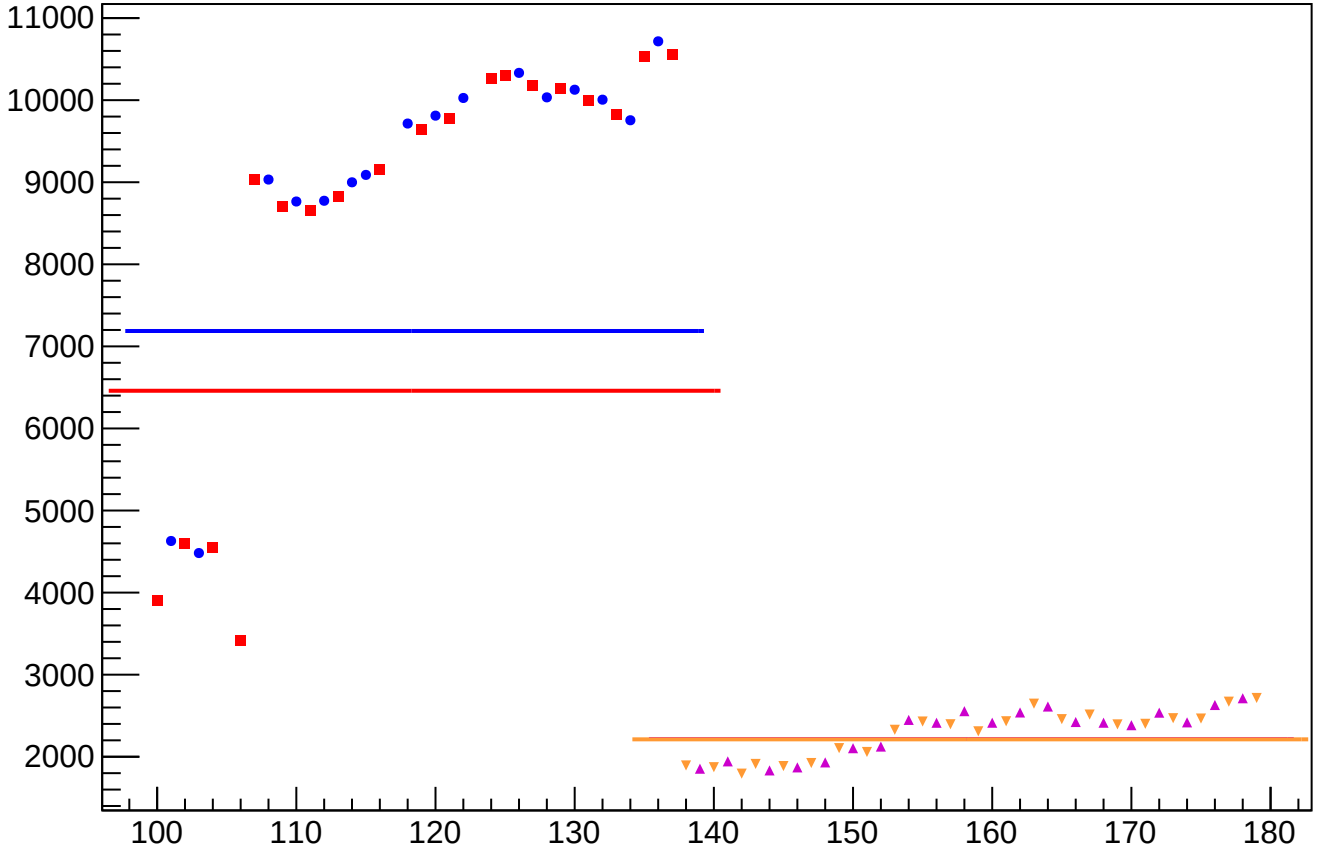
Left In: -3.637+/-0.553 χ^2/NDF:106.9/19

+ sign 12.301+/-0.524 χ^2/NDF: 524.8/37

All: 5.130+/-0.376 χ^2/NDF: 1161.2/76

- sign -2.499+/-0.541 χ^2/NDF: 250.5/38

diff_bpm0l04X_rms vs Slug



Right In: 7187.494+/-2.009 χ^2/NDF: 1705887.0/15

Left Out: 2212.059+/-0.377 χ^2/NDF:568447.8/21

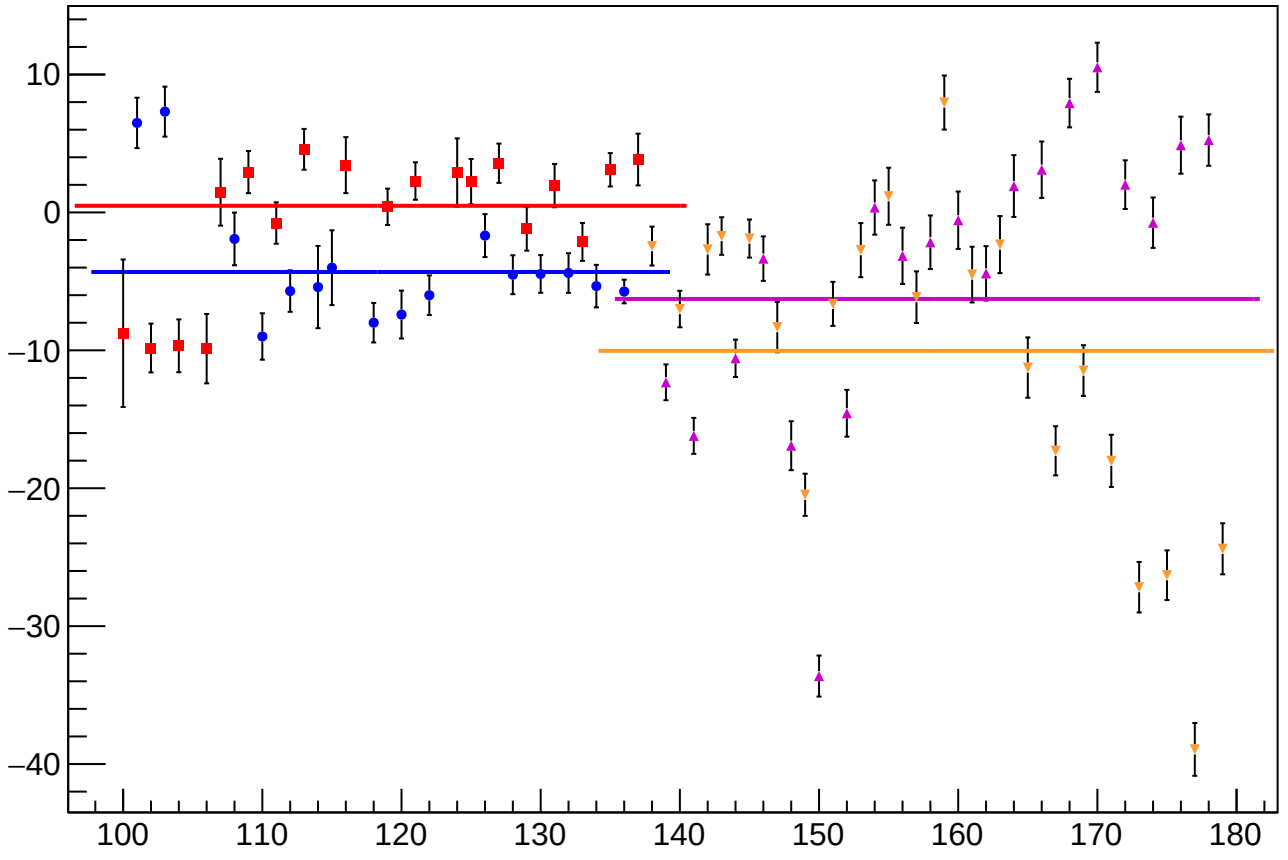
Right Out: 6459.323+/-1.808 χ^2/NDF: 2276337.9/18

Left In: 2216.312+/-0.391 χ^2/NDF:559545.3/19

+ sign 2381.491+/-0.371 χ^2/NDF: 8196229.8/37

All: 2393.418+/-0.266 χ^2/NDF: 16293591.4/7

- sign 2406.104+/-0.382 χ^2/NDF: 8095226.9/38



Right In: -4.319+/-0.380 χ^2/NDF: 103.7/15

Left Out: -10.039+/-0.369 χ^2/NDF:820.2/21

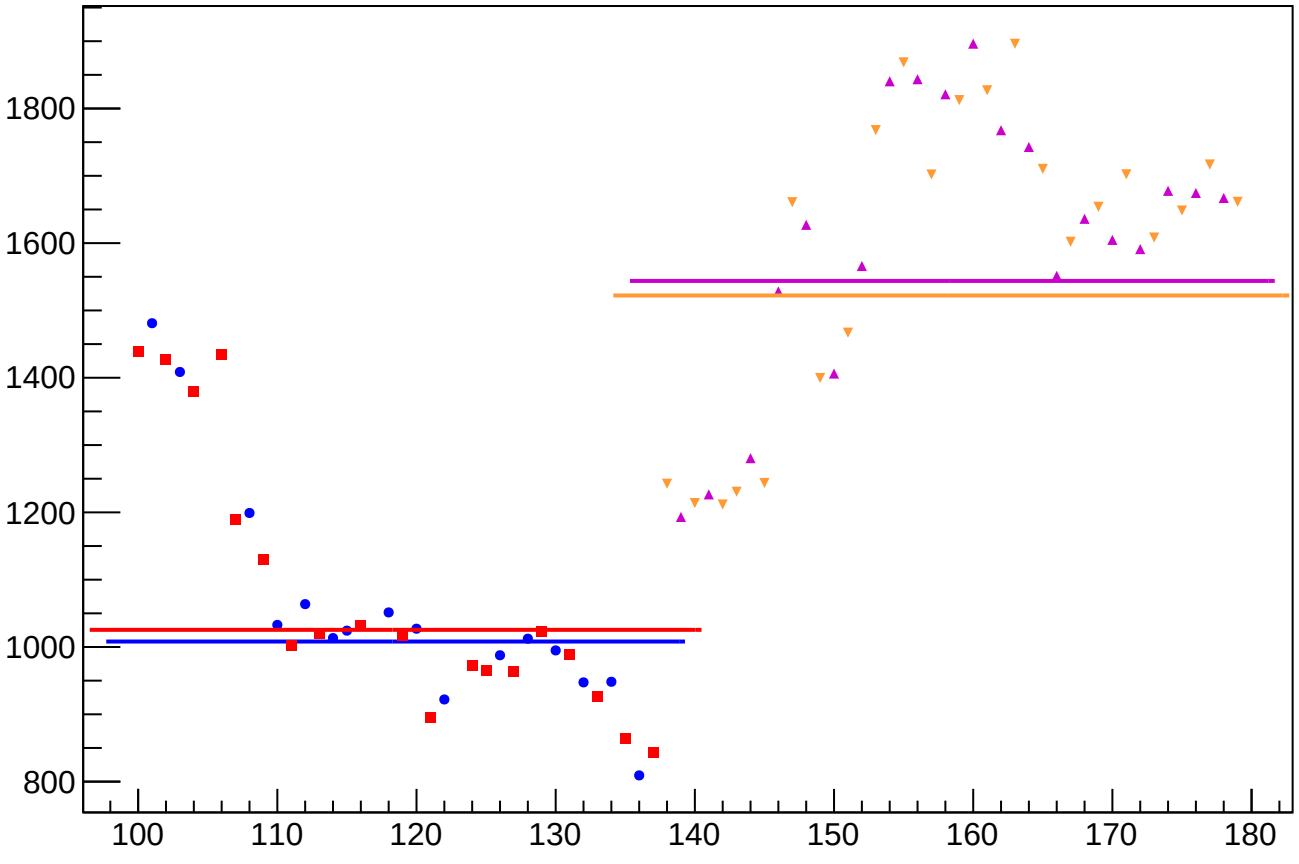
Right Out: 0.481+/-0.379 χ^2/NDF: 117.2/18

Left In: -6.273+/-0.386 χ^2/NDF:804.8/19

\+ sign -7.261+/-0.265 χ^2/NDF: 1040.6/37

All: -5.092+/-0.189 χ^2/NDF: 2255.6/76

\- sign -2.827+/-0.270 χ^2/NDF: 1077.8/38



Right In: 1008.116+/-0.269 χ^2/NDF: 378836.2/15

Left Out: 1522.260+/-0.261 χ^2/NDF:798793.4/21

Right Out: 1025.486+/-0.268 χ^2/NDF: 345991.2/18

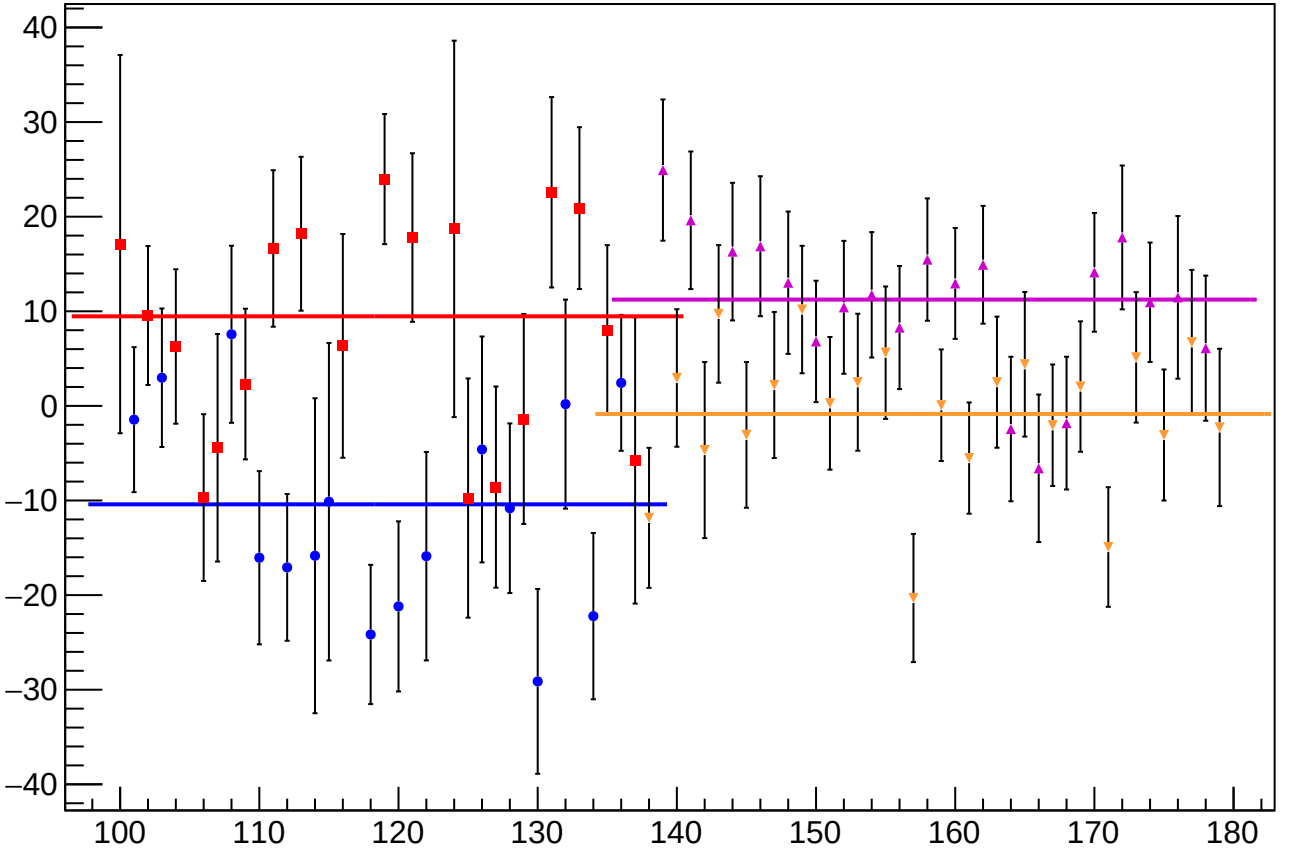
Left In: 1543.857+/-0.273 χ^2/NDF:627119.7/19

+ sign 1272.535+/-0.187 χ^2/NDF: 3063144.0/37

All: 1275.907+/-0.134 χ^2/NDF: 5873091.4/76

- sign 1279.427+/-0.191 χ^2/NDF: 2809283.9/38

diff_bpm0l05X_mean vs Slug



Right In: -10.404+/-2.280 χ^2/NDF: 24.6/15

Left Out: -0.853+/-1.500 χ^2/NDF:25.4/21

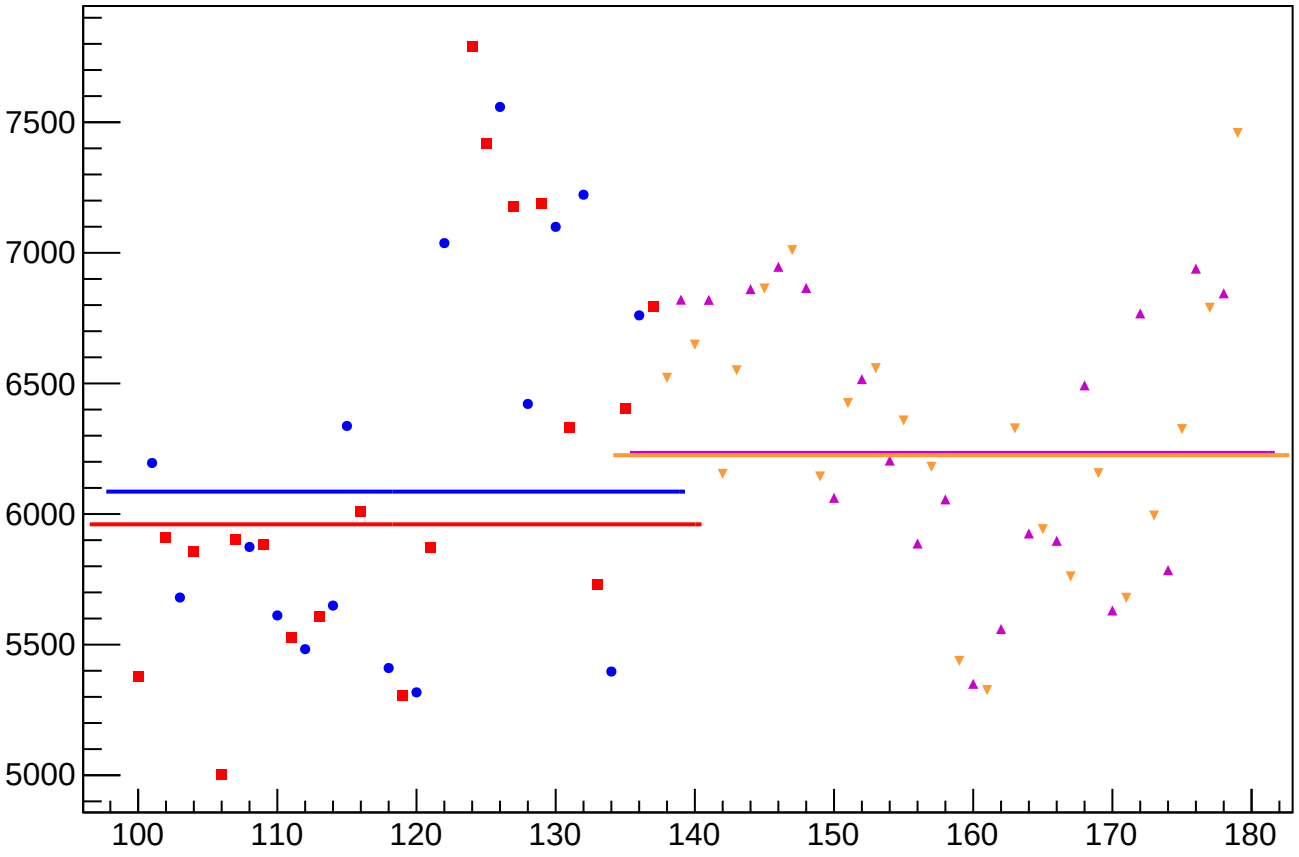
Right Out: 9.467+/-2.191 χ^2/NDF: 25.4/18

Left In: 11.238+/-1.555 χ^2/NDF:20.7/19

+ sign -3.739+/-1.253 χ^2/NDF: 62.3/37

All: 3.370+/-0.891 χ^2/NDF: 173.9/76

- sign 10.645+/-1.268 χ^2/NDF: 46.5/38



Right In: 6085.873+/-1.612 χ^2/NDF: 179118.8/15

Left Out: 6225.287+/-1.061 χ^2/NDF:224148.4/21

Right Out: 5960.613+/-1.549 χ^2/NDF: 162772.6/18

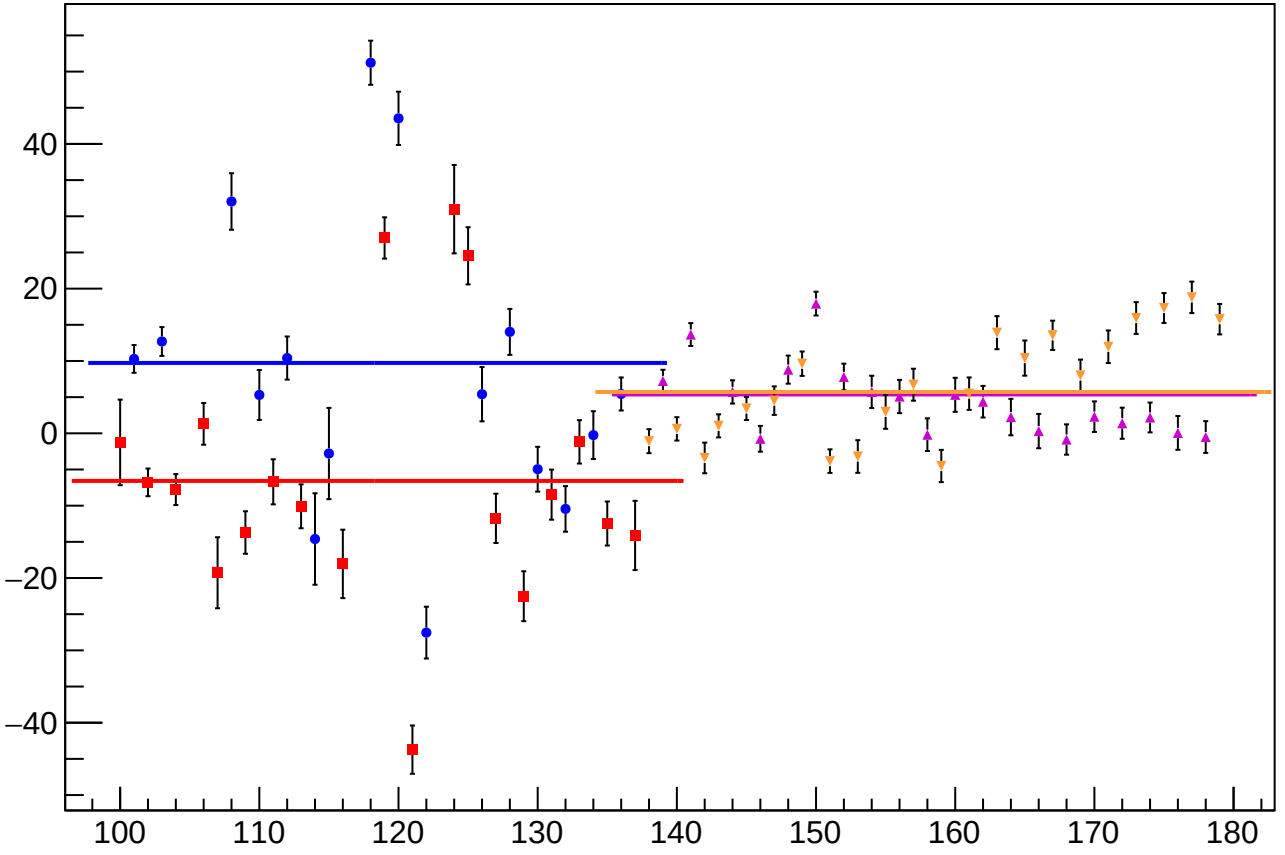
Left In: 6234.122+/-1.099 χ^2/NDF:227999.3/19

+ sign 6183.162+/-0.886 χ^2/NDF: 408485.5/37

All: 6163.076+/-0.630 χ^2/NDF: 821027.0/76

- sign 6142.518+/-0.897 χ^2/NDF: 411502.0/38

diff_bpm0l05Y_mean vs Slug



Right In: 9.733+/-0.755 χ^2/NDF: 512.4/15

Left Out: 5.714+/-0.422 χ^2/NDF:287.1/21

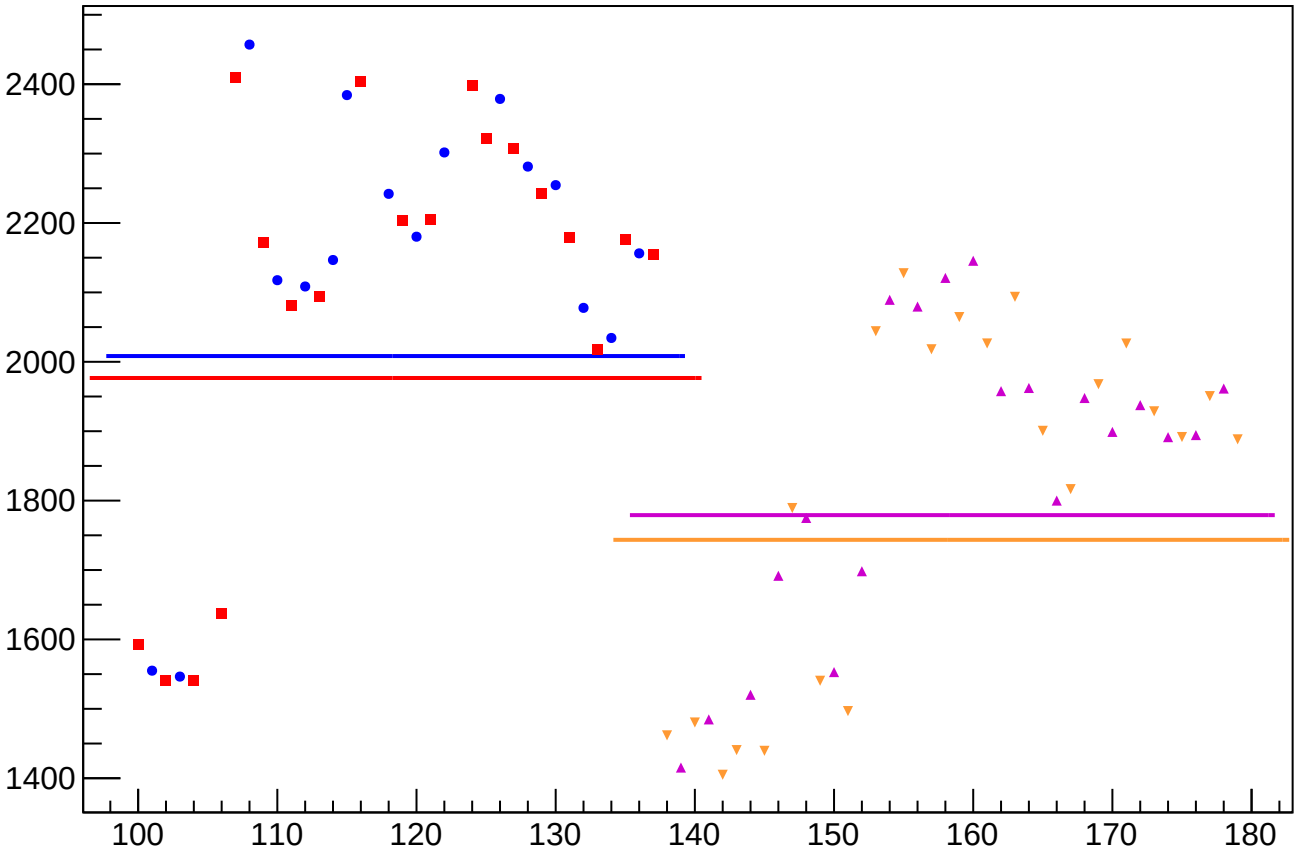
Right Out: -6.576+/-0.730 χ^2/NDF: 423.8/18

Left In: 5.375+/-0.444 χ^2/NDF:145.6/19

+ sign 6.671+/-0.368 χ^2/NDF: 821.1/37

All: 4.476+/-0.264 χ^2/NDF: 1659.0/76

- sign 2.144+/-0.380 χ^2/NDF: 764.7/38



Right In: 2008.296+/-0.534 χ^2/NDF: 344387.2/15

Left Out: 1743.502+/-0.298 χ^2/NDF:738194.8/21

Right Out: 1976.677+/-0.516 χ^2/NDF: 365375.1/18

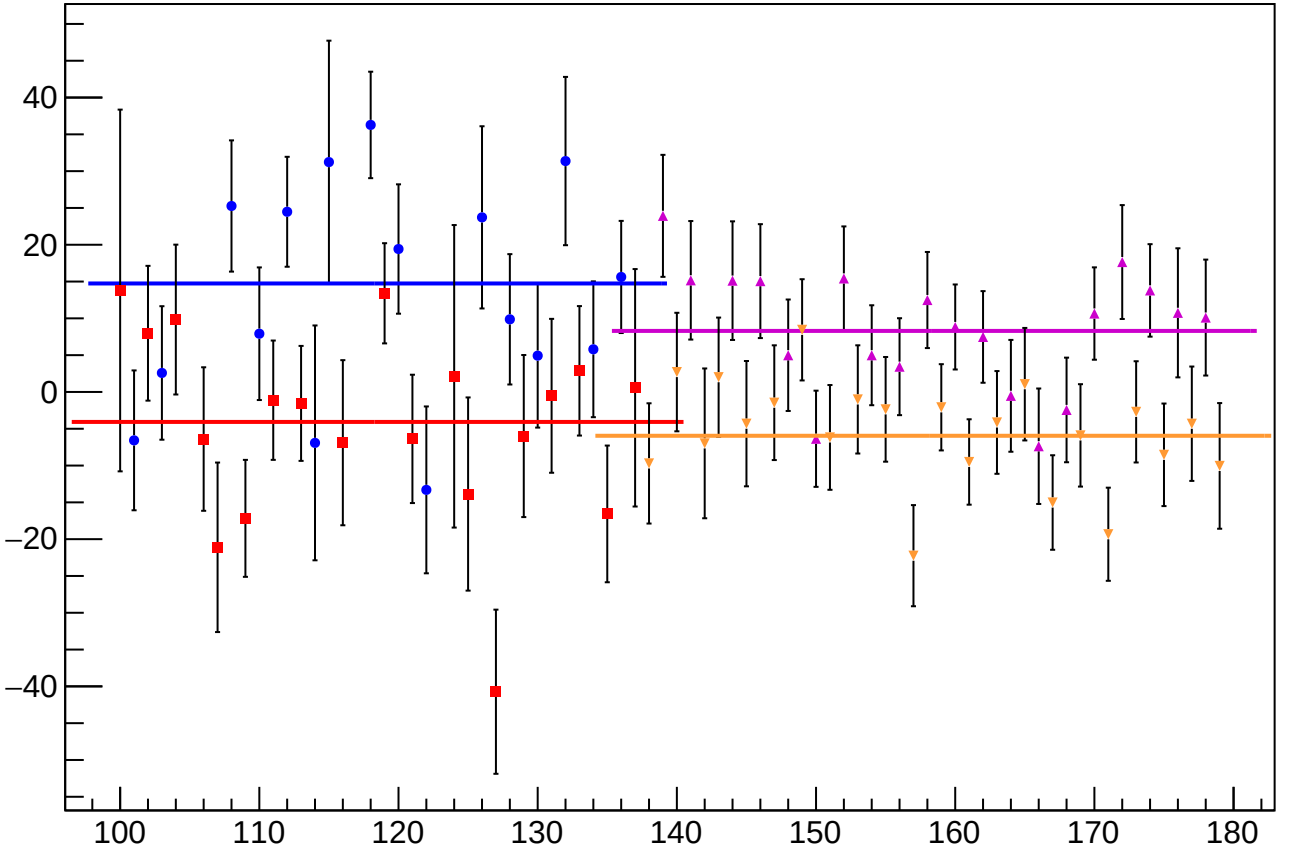
Left In: 1779.092+/-0.314 χ^2/NDF:525769.3/19

+ sign 1806.551+/-0.260 χ^2/NDF: 1270053.0/37

All: 1819.132+/-0.187 χ^2/NDF: 2272827.0/76

- sign 1832.499+/-0.268 χ^2/NDF: 997962.6/38

diff_bpm0l06X_mean vs Slug



Right In: 14.739+/-2.358 χ^2/NDF: 33.5/15

Left Out: -5.953+/-1.535 χ^2/NDF:22.2/21

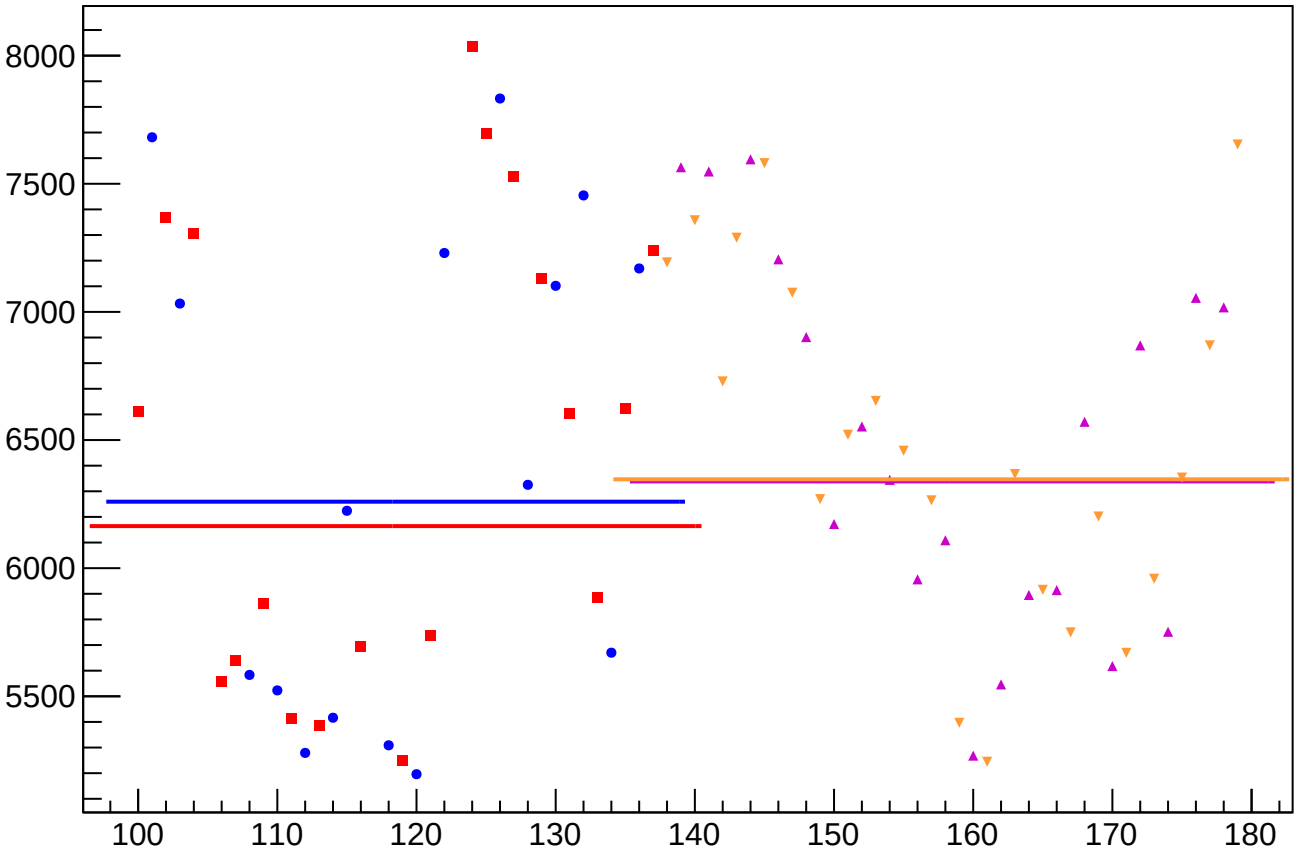
Right Out: -4.072+/-2.274 χ^2/NDF: 30.2/18

Left In: 8.293+/-1.587 χ^2/NDF:23.4/19

+ sign 0.208+/-1.286 χ^2/NDF: 109.9/37

All: 2.201+/-0.915 χ^2/NDF: 188.1/76

- sign 4.242+/-1.302 χ^2/NDF: 73.4/38



Right In: 6259.416+/-1.667 χ^2/NDF: 308606.8/15

Left Out: 6346.699+/-1.085 χ^2/NDF:382624.4/21

Right Out: 6164.140+/-1.608 χ^2/NDF: 265058.6/18

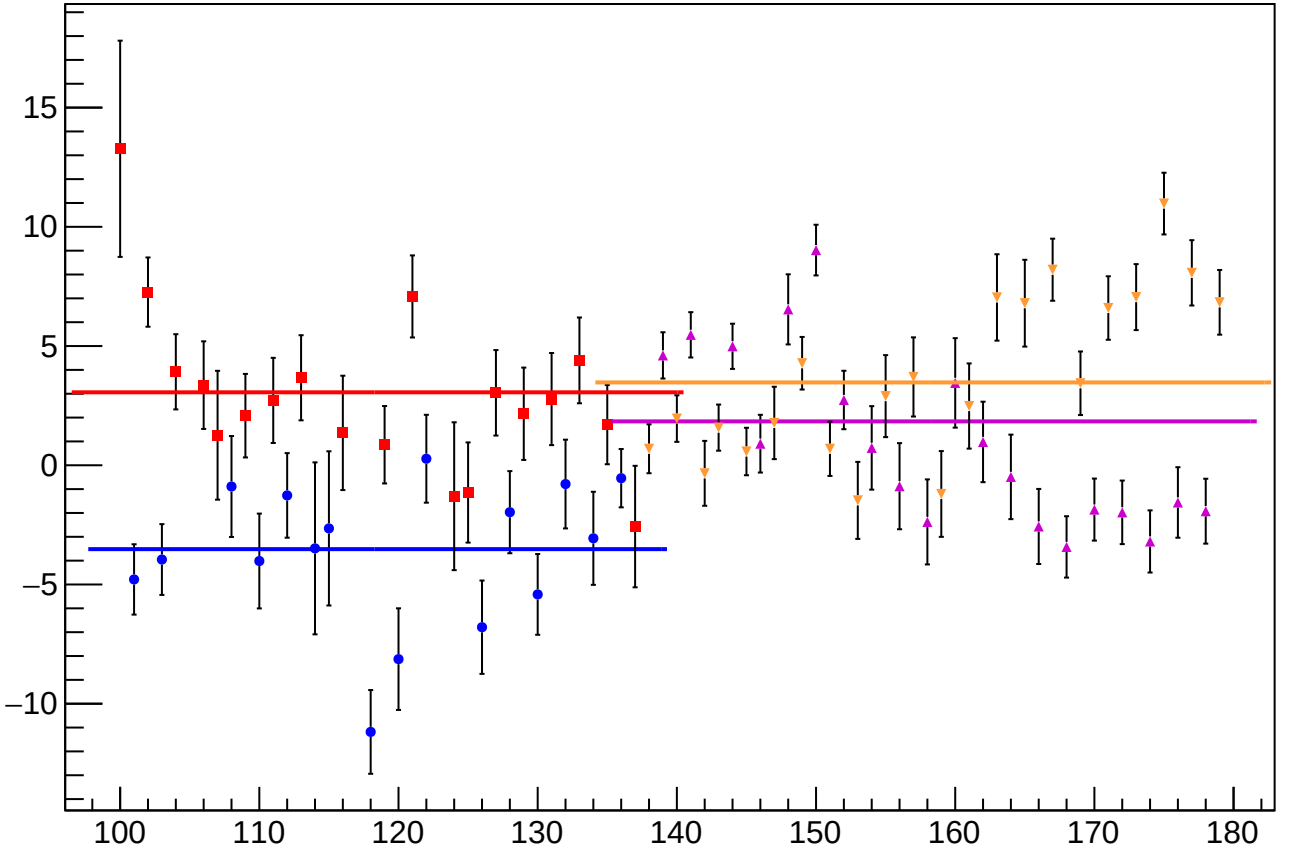
Left In: 6338.480+/-1.122 χ^2/NDF:383363.8/19

+ sign 6320.713+/-0.910 χ^2/NDF: 693156.3/37

All: 6301.265+/-0.647 χ^2/NDF: 1350409.2/76

- sign 6281.358+/-0.920 χ^2/NDF: 656328.0/38

diff_bpm0l06Y_mean vs Slug



Right In: -3.518+/-0.452 χ^2/NDF: 45.1/15

Left Out: 3.474+/-0.279 χ^2/NDF:137.9/21

Right Out: 3.059+/-0.438 χ^2/NDF: 34.8/18

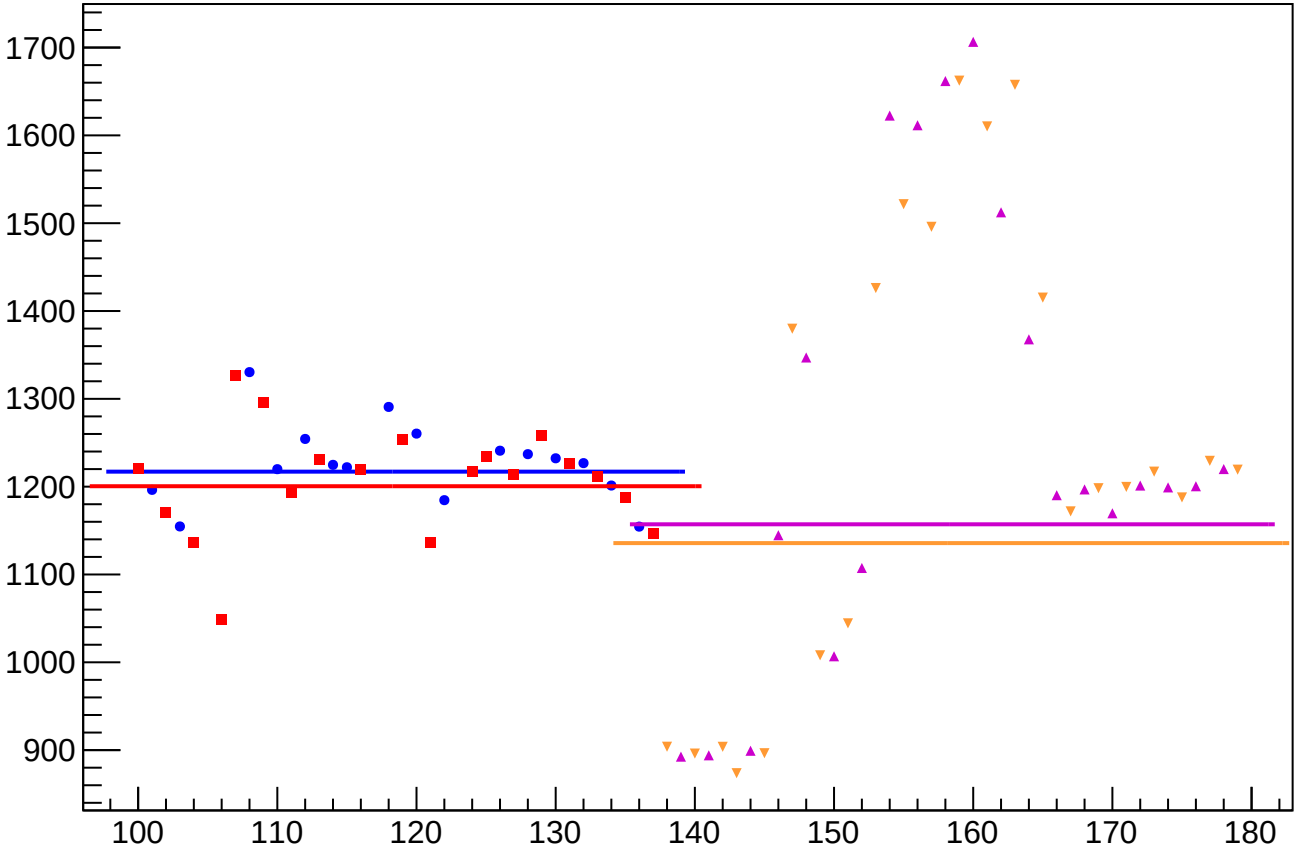
Left In: 1.840+/-0.293 χ^2/NDF:170.5/19

+ sign 1.551+/-0.237 χ^2/NDF: 356.1/37

All: 1.875+/-0.170 χ^2/NDF: 570.6/76

- sign 2.217+/-0.244 χ^2/NDF: 210.6/38

diff_bpm0l06Y_rms vs Slug



Right In: 1217.094+/-0.320 χ^2/NDF: 21686.7/15

Left Out: 1135.730+/-0.197 χ^2/NDF:1457707.9/21

Right Out: 1200.497+/-0.310 χ^2/NDF: 37654.3/18

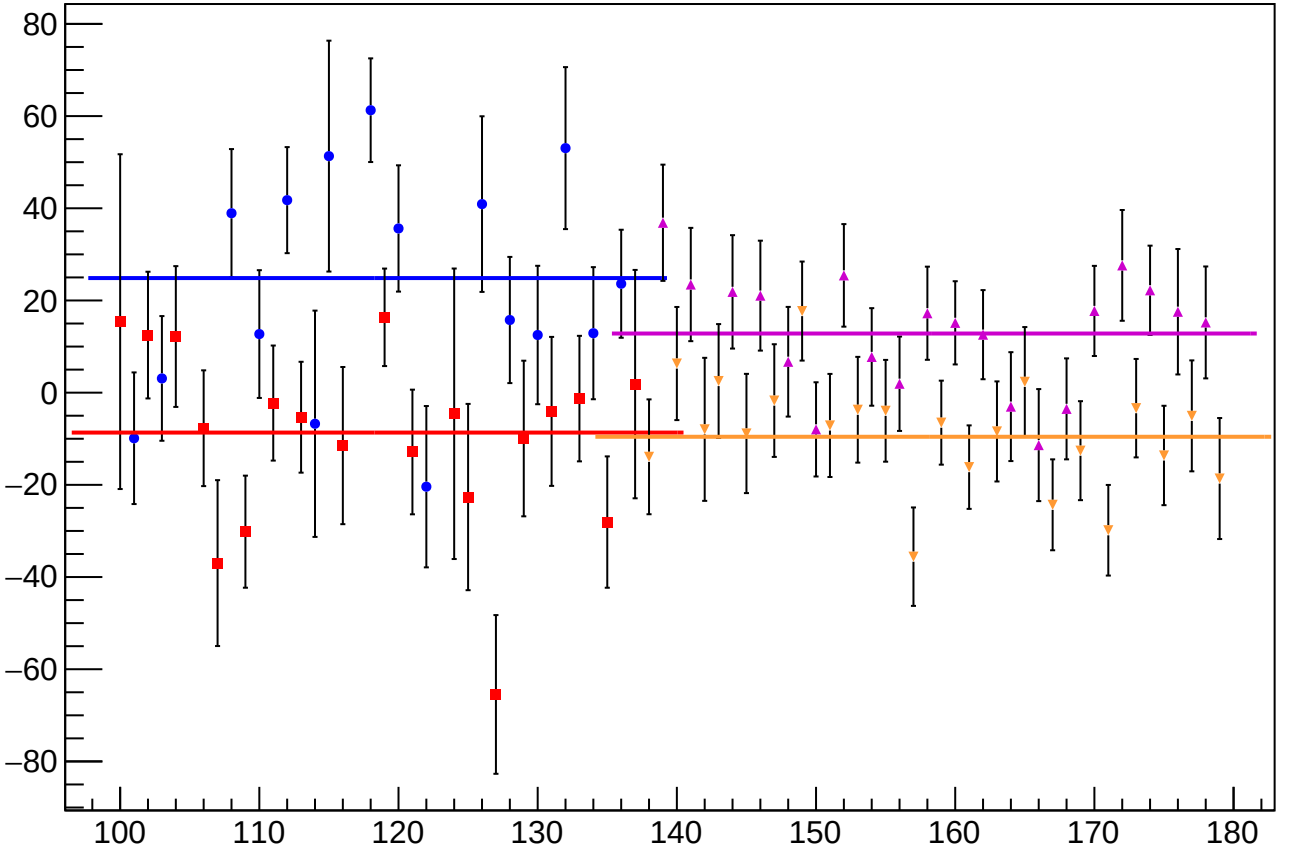
Left In: 1157.139+/-0.207 χ^2/NDF:1256452.0/19

+ sign 1158.112+/-0.168 χ^2/NDF: 1526288.7/37

All: 1164.162+/-0.120 χ^2/NDF: 2836584.0/76

- sign 1170.546+/-0.172 χ^2/NDF: 1307623.2/38

diff_bpm0l07X_mean vs Slug



Right In: 24.860+/-3.628 χ^2/NDF: 38.1/15

Left Out: -9.569+/-2.378 χ^2/NDF:25.5/21

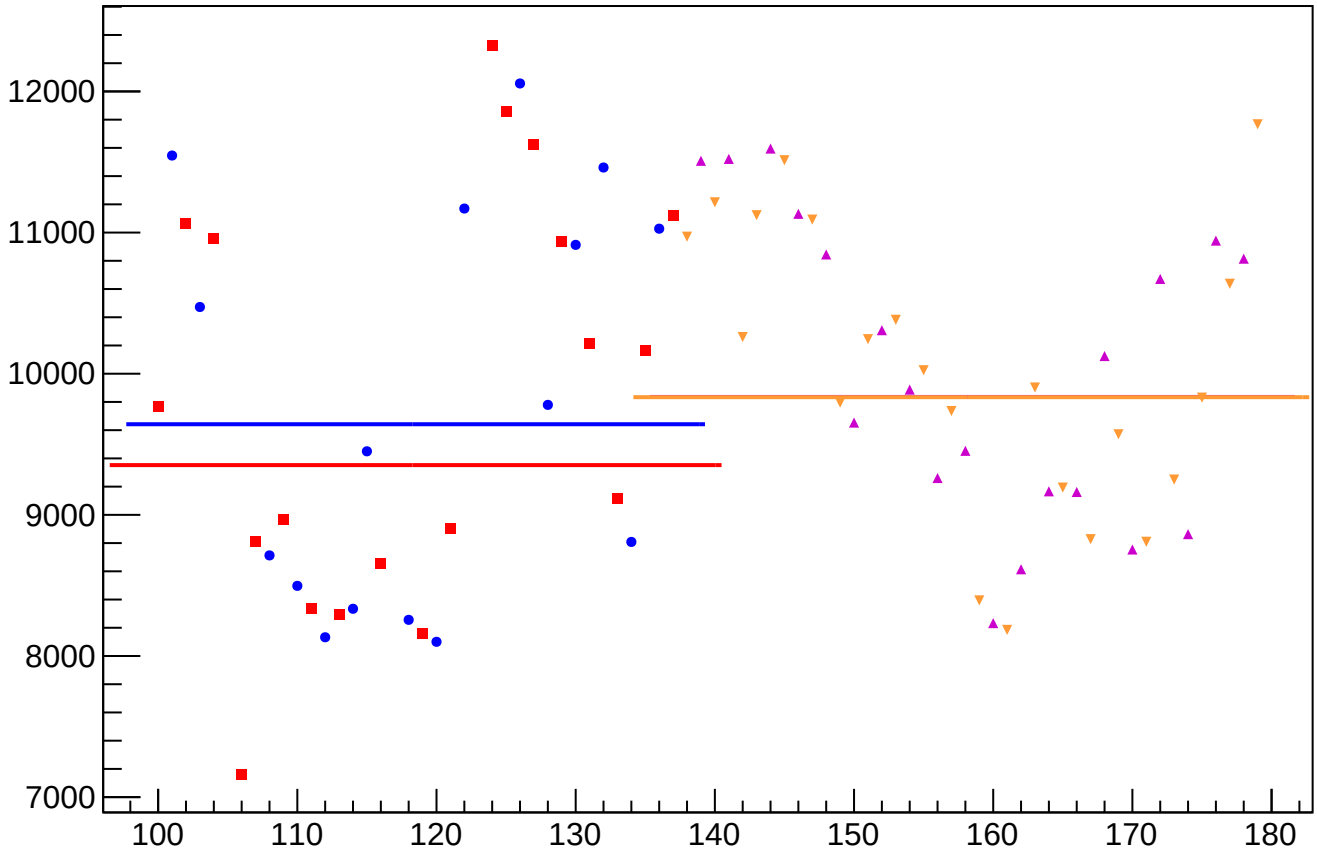
Right Out: -8.658+/-3.454 χ^2/NDF: 30.1/18

Left In: 12.830+/-2.462 χ^2/NDF:23.6/19

+ sign 0.776+/-1.989 χ^2/NDF: 126.6/37

All: 3.164+/-1.412 χ^2/NDF: 208.9/76

- sign 5.591+/-2.005 χ^2/NDF: 79.4/38



Right In: 9642.075+/-2.565 χ^2/NDF: 279657.4/15

Left Out: 9833.744+/-1.681 χ^2/NDF:352349.7/21

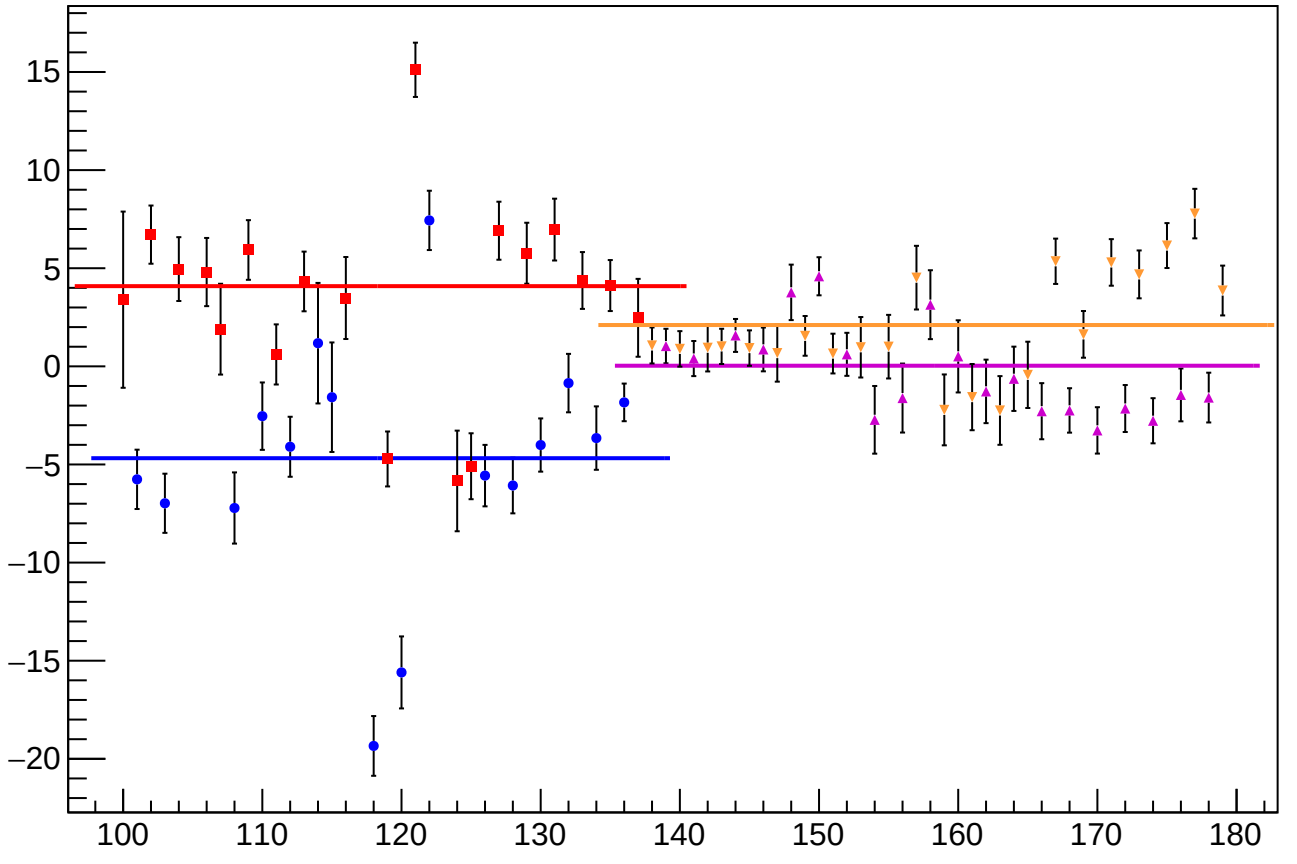
Right Out: 9352.503+/-2.442 χ^2/NDF: 301779.3/18

Left In: 9835.433+/-1.741 χ^2/NDF:354778.3/19

+ sign 9776.155+/-1.406 χ^2/NDF: 635912.2/37

All: 9724.861+/-0.998 χ^2/NDF: 1321083.4/76

- sign 9672.741+/-1.417 χ^2/NDF: 682488.6/38



Right In: -4.681+/-0.386 χ^2/NDF: 221.2/15

Left Out: 2.105+/-0.255 χ^2/NDF:87.1/21

Right Out: 4.087+/-0.376 χ^2/NDF: 168.1/18

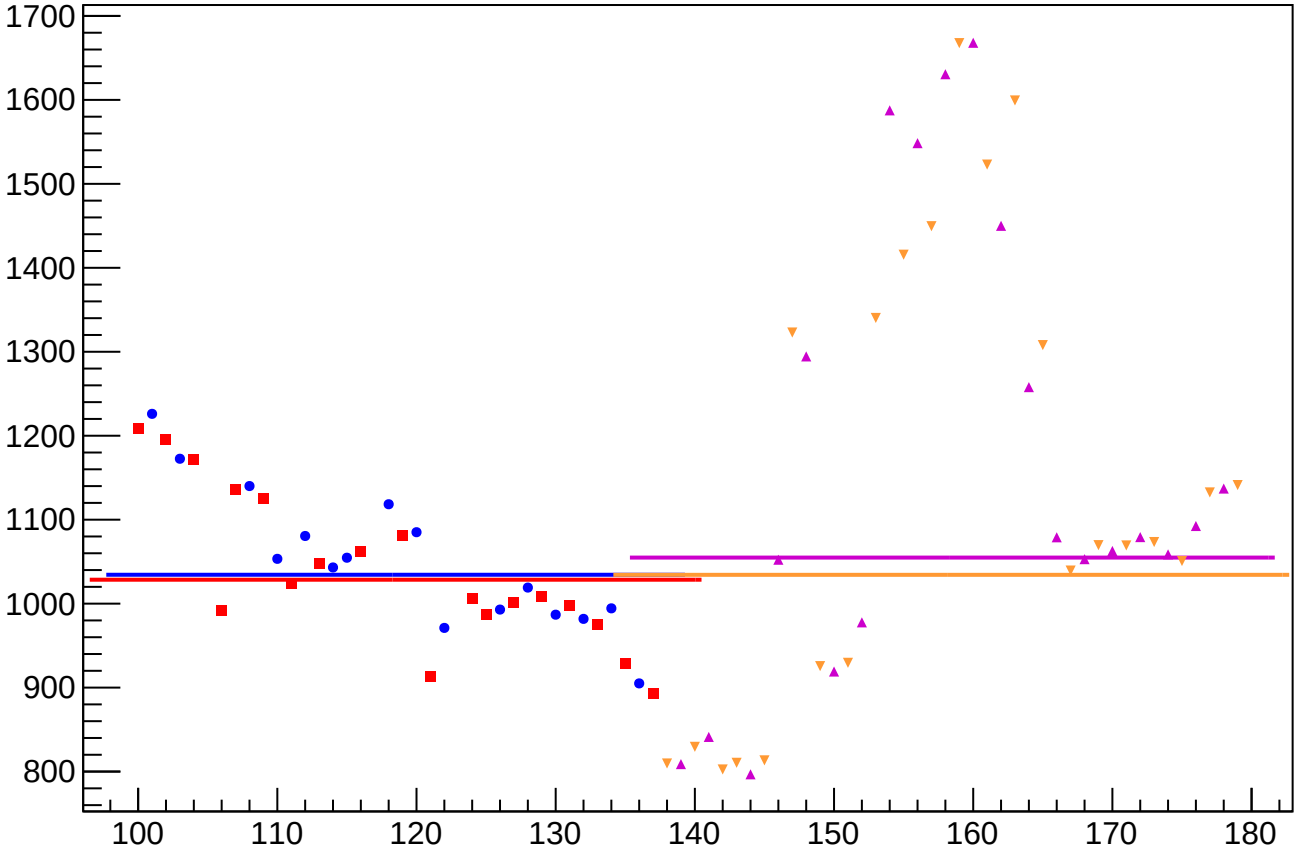
Left In: 0.032+/-0.269 χ^2/NDF:68.8/19

+ sign 0.040+/-0.213 χ^2/NDF: 523.5/37

All: 0.703+/-0.153 χ^2/NDF: 857.1/76

- sign 1.404+/-0.219 χ^2/NDF: 313.6/38

diff_bpm0l07Y_rms vs Slug



Right In: 1034.402+/-0.273 χ^2/NDF: 113278.6/15

Left Out: 1034.319+/-0.180 χ^2/NDF:1691497.8/21

Right Out: 1028.501+/-0.266 χ^2/NDF: 101624.8/18

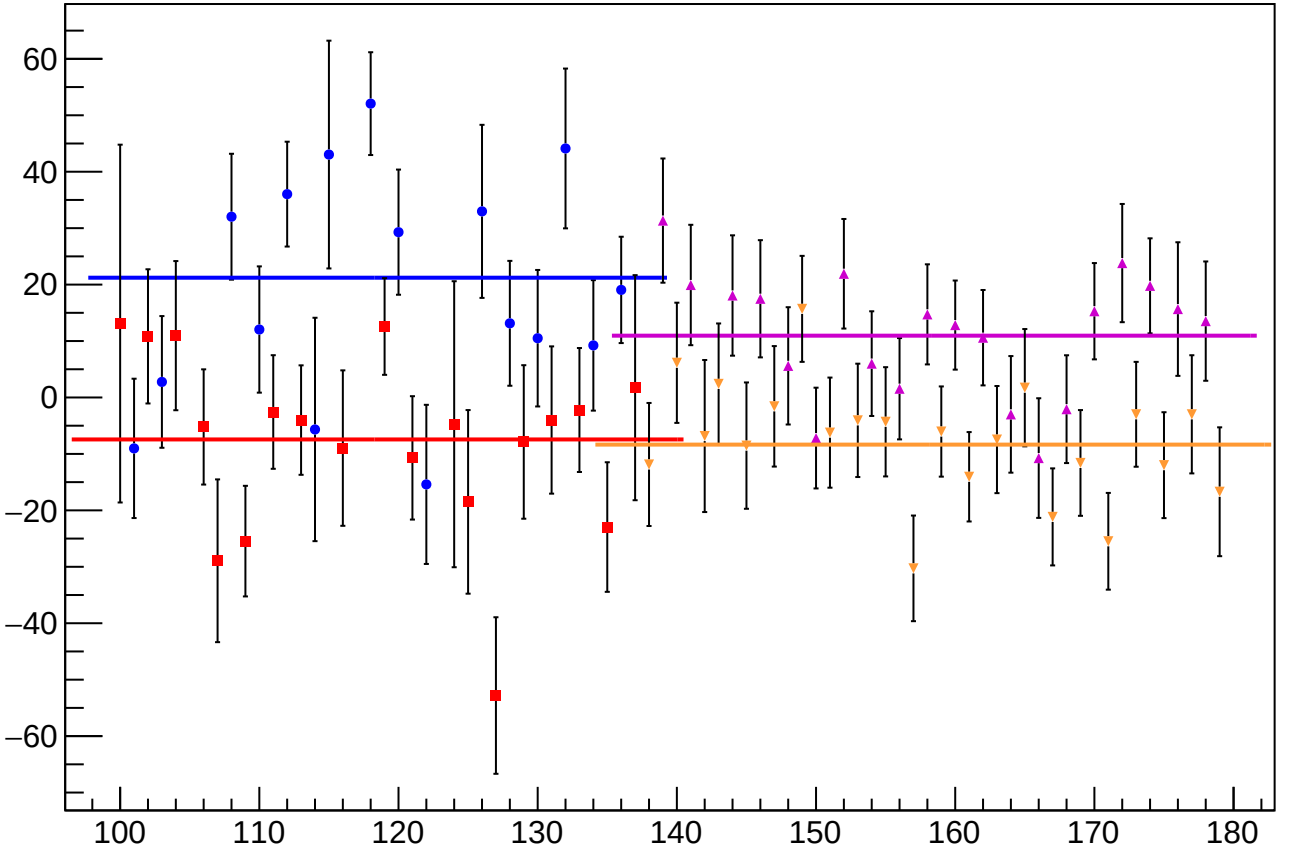
Left In: 1054.855+/-0.190 χ^2/NDF:1513669.1/19

+ sign 1034.345+/-0.150 χ^2/NDF: 1804776.5/37

All: 1039.979+/-0.108 χ^2/NDF: 3429443.3/76

- sign 1045.940+/-0.155 χ^2/NDF: 1621782.2/38

diff_bpm0l08X_mean vs Slug



Right In: 21.222+/-2.952 χ^2/NDF: 40.1/15

Left Out: -8.351+/-2.075 χ^2/NDF:25.0/21

Right Out: -7.435+/-2.810 χ^2/NDF: 29.8/18

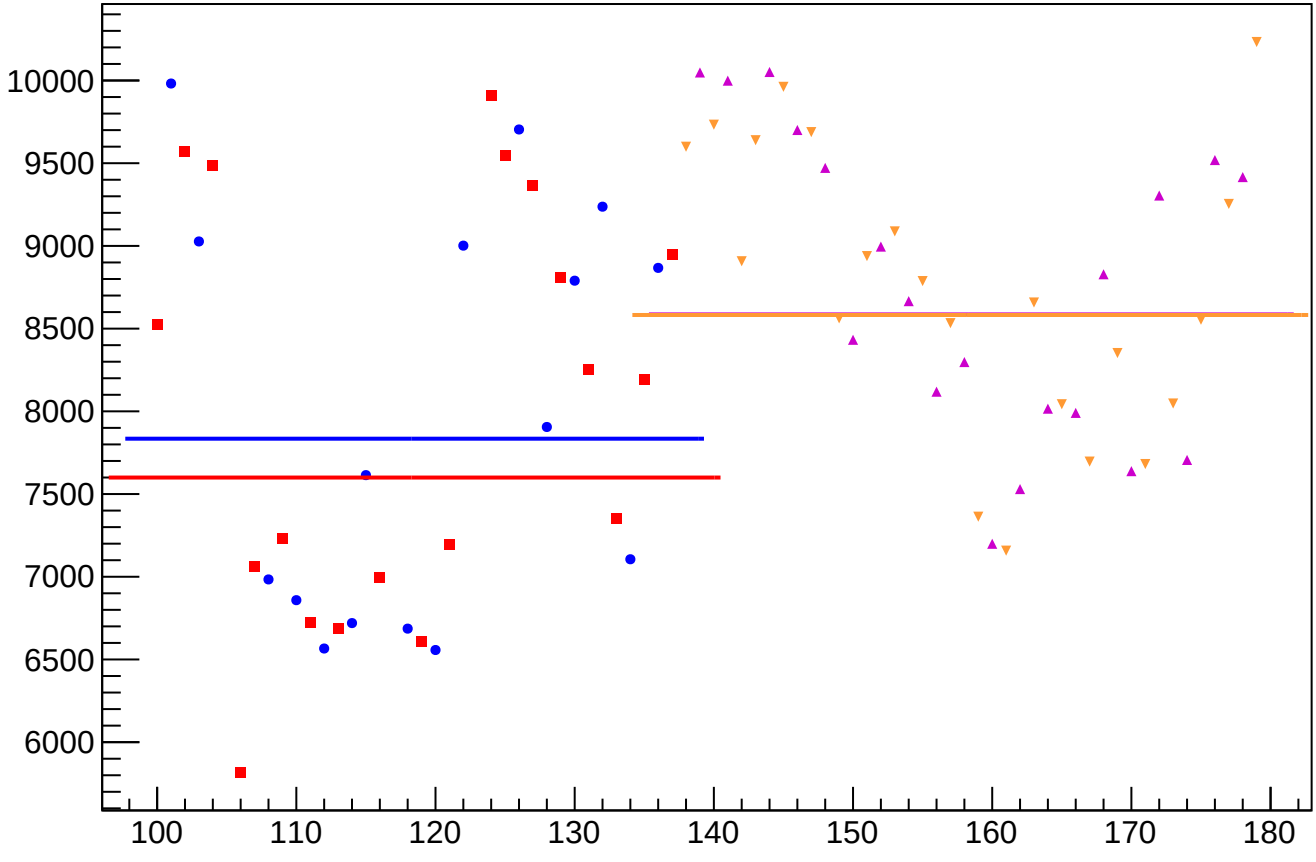
Left In: 10.952+/-2.148 χ^2/NDF:23.2/19

+ sign 1.427+/-1.697 χ^2/NDF: 132.3/37

All: 2.791+/-1.204 χ^2/NDF: 213.6/76

- sign 4.169+/-1.707 χ^2/NDF: 80.0/38

diff_bpm0l08X_rms vs Slug



Right In: 7834.618+/-2.087 χ^2/NDF: 318089.6/15

Left Out: 8582.490+/-1.467 χ^2/NDF:339926.9/21

Right Out: 7599.749+/-1.987 χ^2/NDF: 344296.8/18

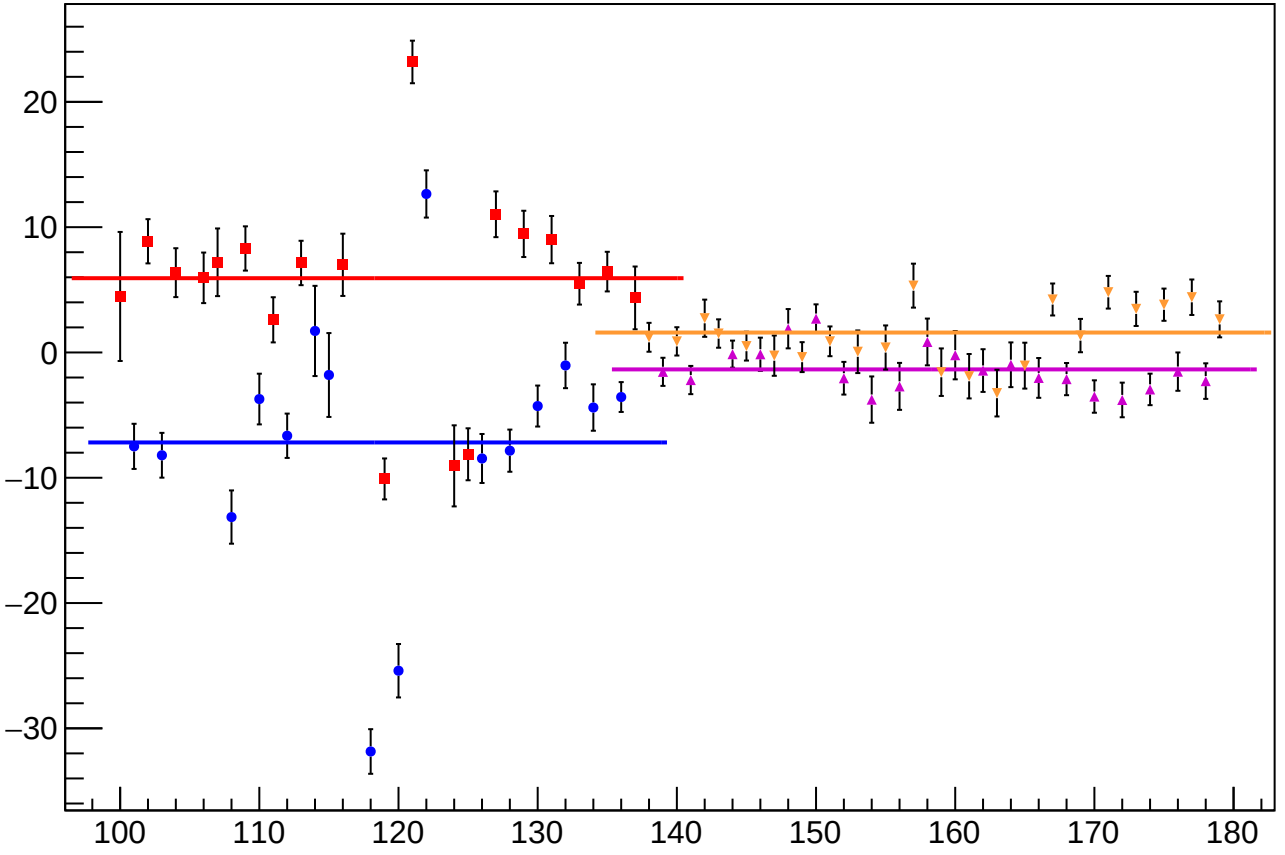
Left In: 8586.084+/-1.519 χ^2/NDF:344969.4/19

+ sign 8335.201+/-1.200 χ^2/NDF: 743949.7/37

All: 8279.044+/-0.851 χ^2/NDF: 1593106.0/76

- sign 8222.259+/-1.207 χ^2/NDF: 844753.4/38

diff_bpm0l08Y_mean vs Slug



Right In: -7.183+/-0.462 χ^2/NDF: 422.2/15

Left Out: 1.590+/-0.296 χ^2/NDF:47.4/21

Right Out: 5.927+/-0.449 χ^2/NDF: 290.4/18

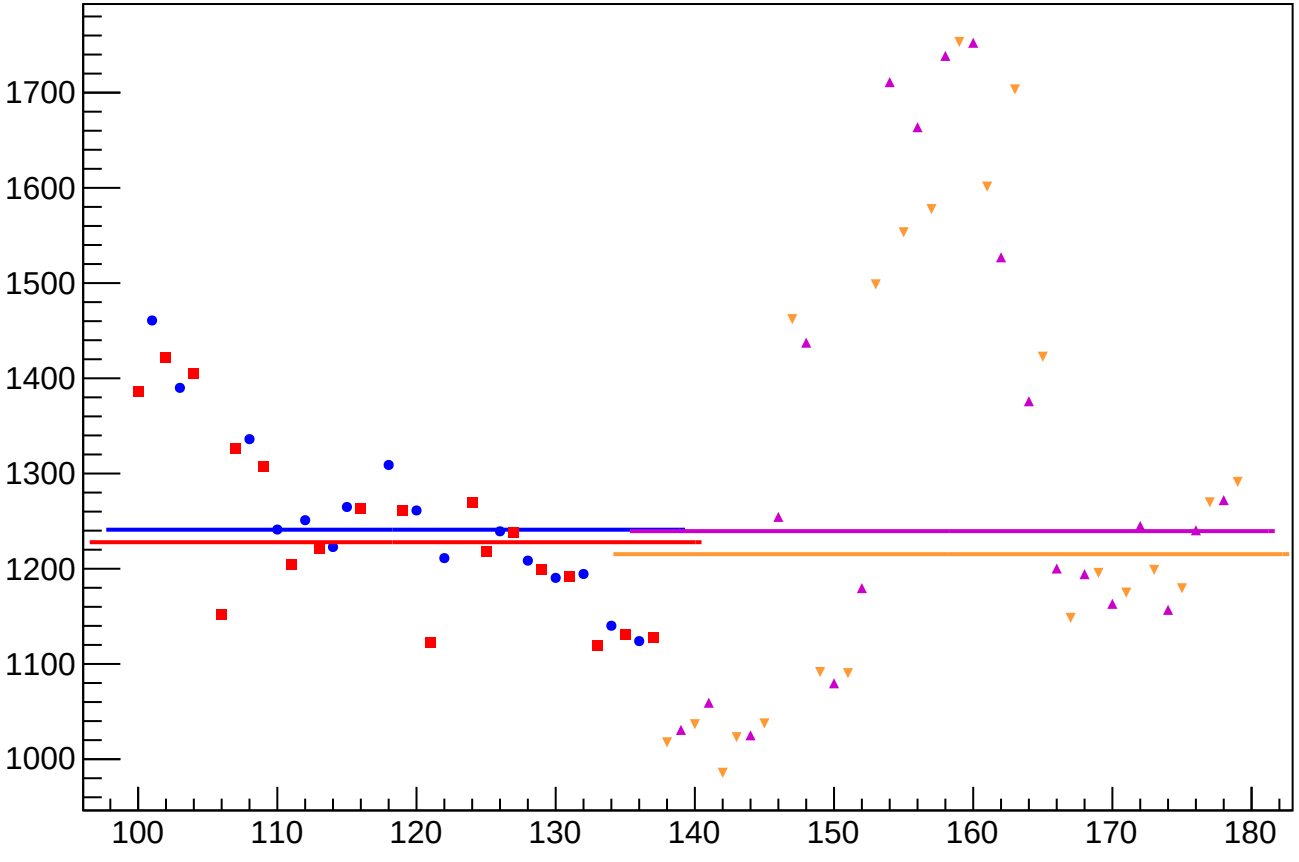
Left In: -1.352+/-0.312 χ^2/NDF:32.4/19

+ sign -0.965+/-0.249 χ^2/NDF: 724.9/37

All: 0.001+/-0.179 χ^2/NDF: 1255.5/76

- sign 1.022+/-0.256 χ^2/NDF: 499.8/38

diff_bpm0l08Y_rms vs Slug



Right In: 1241.007+/-0.327 χ^2/NDF: 80653.5/15

Left Out: 1215.327+/-0.210 χ^2/NDF:1003769.9/21

Right Out: 1227.864+/-0.318 χ^2/NDF: 82339.2/18

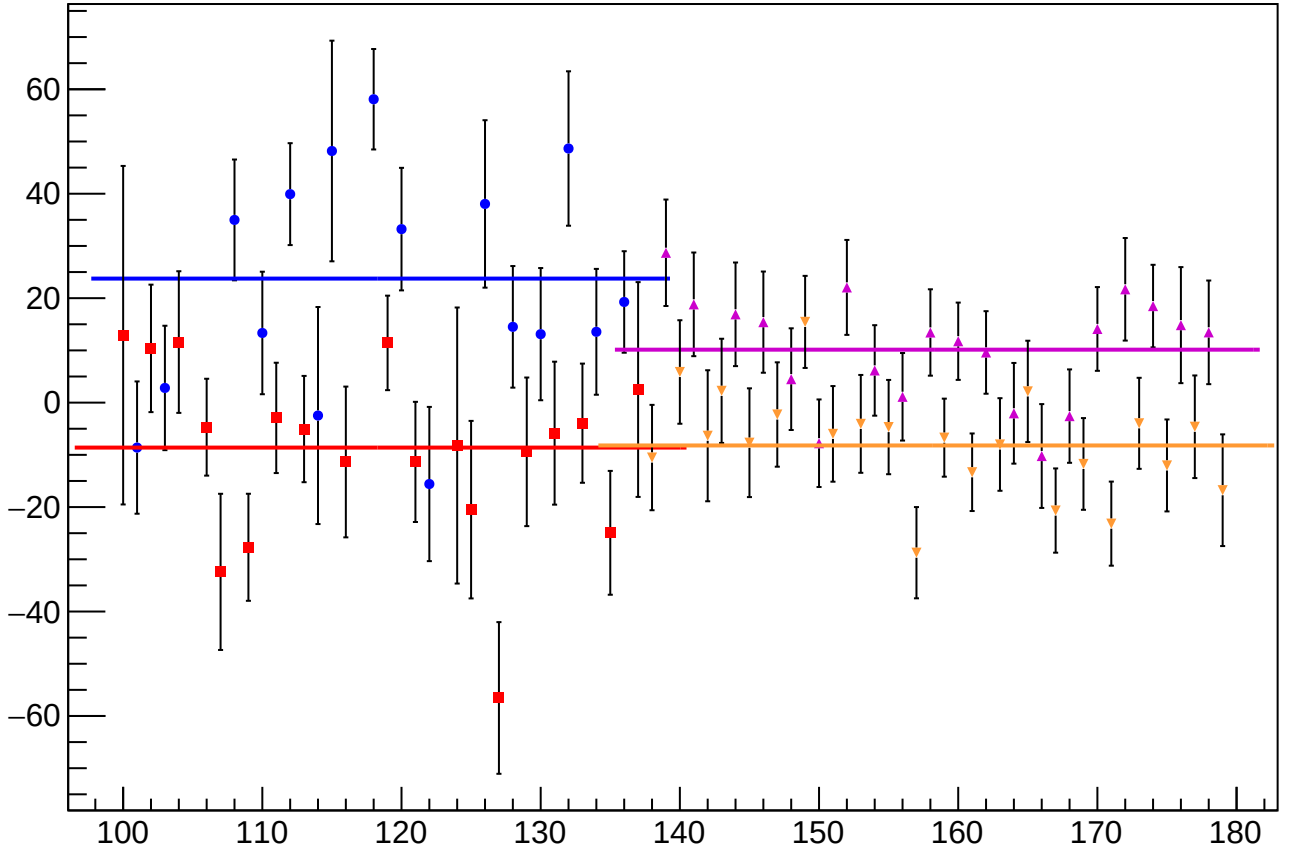
Left In: 1239.517+/-0.221 χ^2/NDF:880928.3/19

+ sign 1222.805+/-0.176 χ^2/NDF: 1088797.1/37

All: 1229.082+/-0.126 χ^2/NDF: 2055576.4/76

- sign 1235.717+/-0.181 χ^2/NDF: 964174.7/38

diff_bpm0l09X_mean vs Slug



Right In: 23.750+/-3.081 χ^2/NDF: 43.4/15

Left Out: -8.202+/-1.941 χ^2/NDF:25.5/21

Right Out: -8.609+/-2.899 χ^2/NDF: 30.5/18

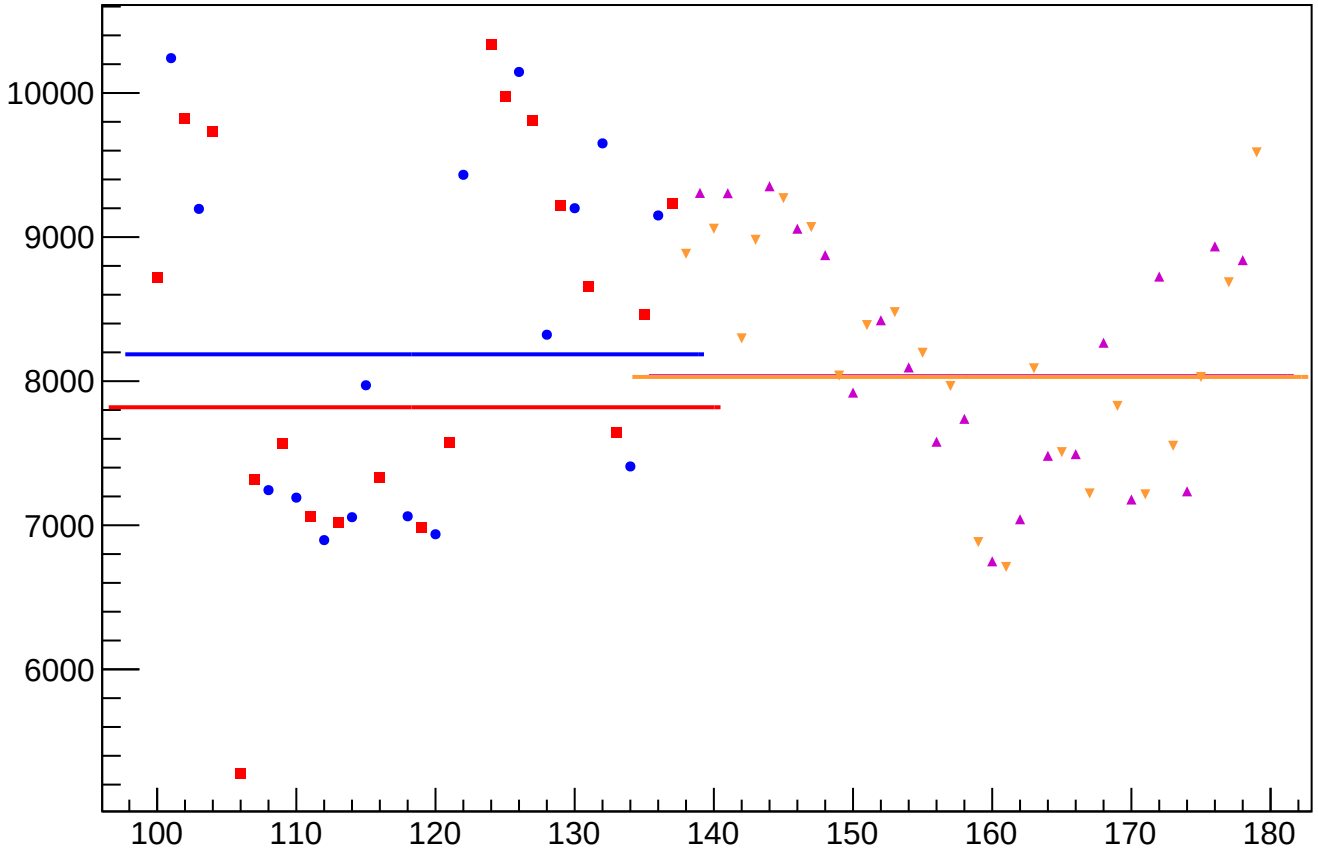
Left In: 10.139+/-2.010 χ^2/NDF:23.9/19

+ sign 0.871+/-1.642 χ^2/NDF: 145.9/37

All: 2.452+/-1.165 χ^2/NDF: 230.4/76

- sign 4.053+/-1.652 χ^2/NDF: 82.6/38

diff_bpm0l09X_rms vs Slug



Right In: 8186.361+/-2.179 χ^2/NDF: 290628.8/15

Left Out: 8029.524+/-1.372 χ^2/NDF:328648.1/21

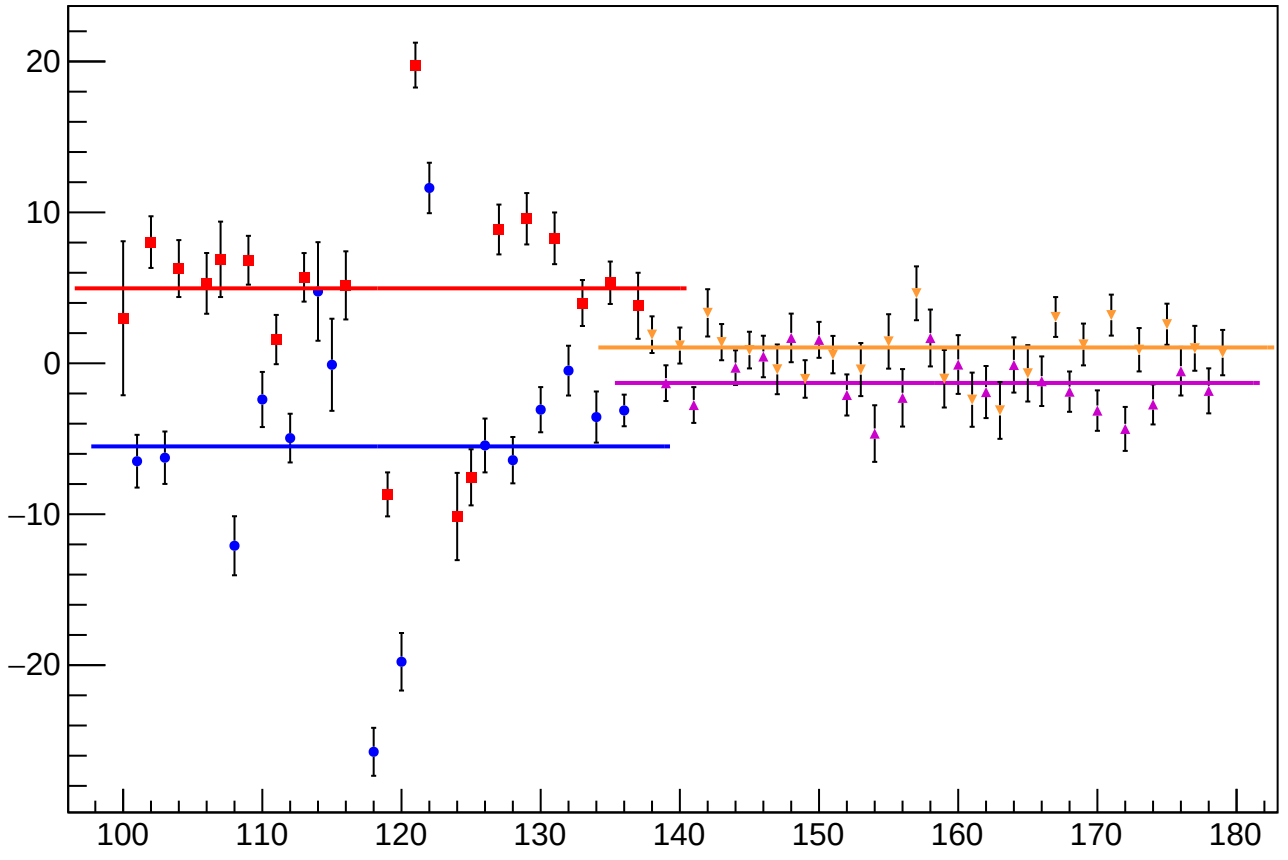
Right Out: 7818.965+/-2.050 χ^2/NDF: 422998.1/18

Left In: 8034.901+/-1.421 χ^2/NDF:334185.5/19

+ sign 8074.062+/-1.161 χ^2/NDF: 622986.7/37

All: 8019.752+/-0.823 χ^2/NDF: 1392065.8/76

- sign 7964.795+/-1.168 χ^2/NDF: 764677.4/38



Right In: -5.506+/-0.421 χ^2/NDF: 369.8/15

Left Out: 1.050+/-0.309 χ^2/NDF:28.1/21

Right Out: 4.967+/-0.410 χ^2/NDF: 287.3/18

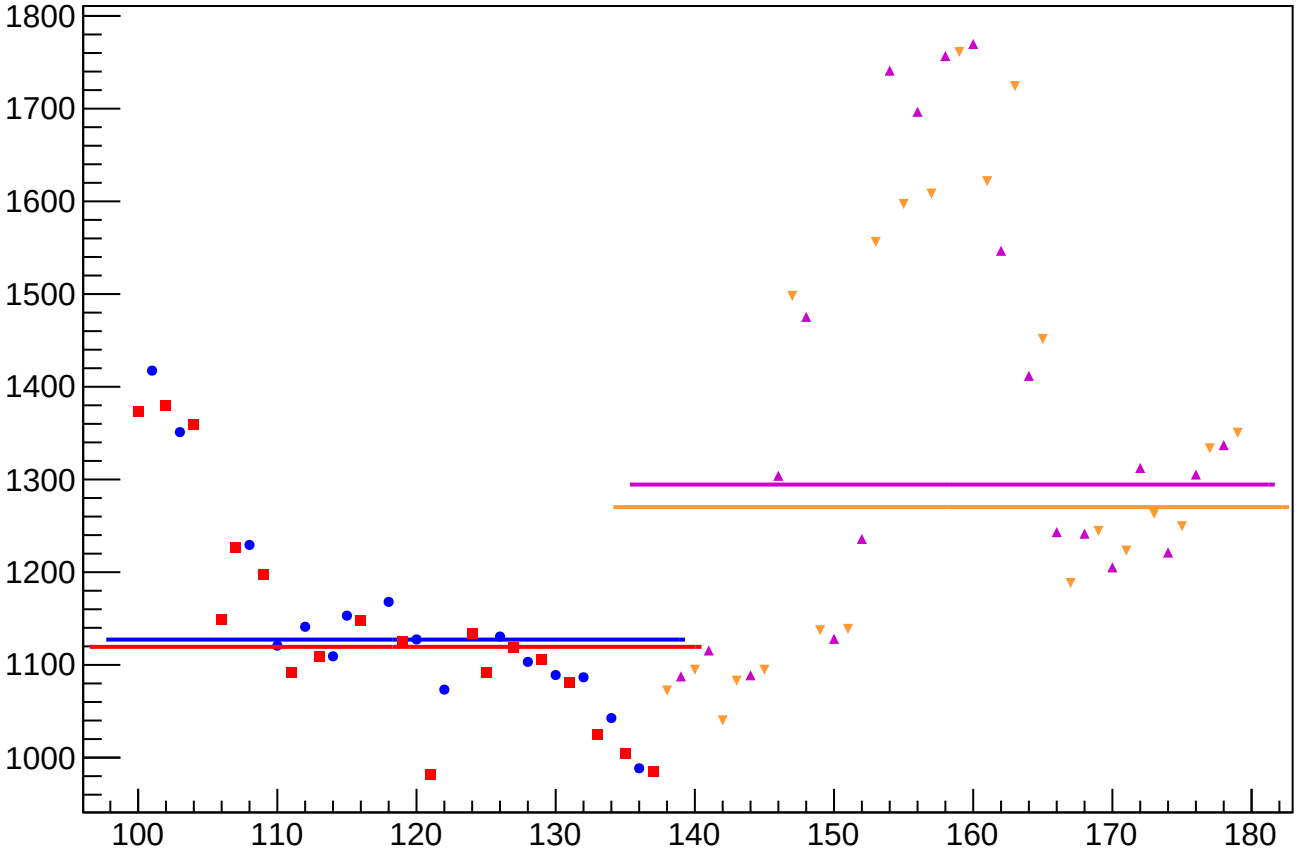
Left In: -1.302+/-0.325 χ^2/NDF:28.3/19

+ sign -1.245+/-0.249 χ^2/NDF: 555.6/37

All: -0.091+/-0.178 χ^2/NDF: 1058.5/76

- sign 1.118+/-0.255 χ^2/NDF: 458.9/38

diff_bpm0l09Y_rms vs Slug



Right In: 1127.290+/-0.298 χ^2/NDF: 140615.8/15

Left Out: 1270.192+/-0.218 χ^2/NDF:868906.0/21

Right Out: 1119.473+/-0.290 χ^2/NDF: 140736.0/18

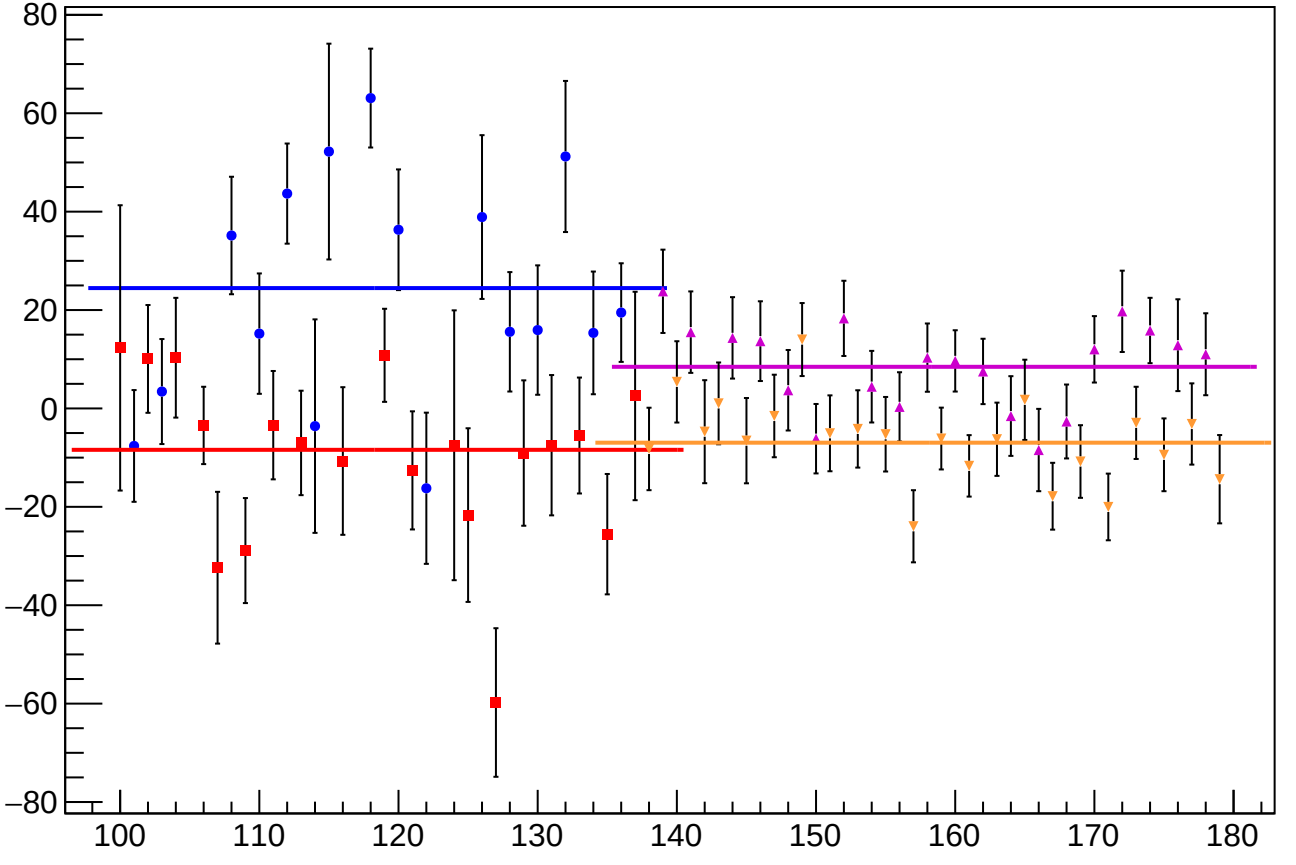
Left In: 1294.536+/-0.230 χ^2/NDF:754030.3/19

+ sign 1220.164+/-0.176 χ^2/NDF: 1159372.3/37

All: 1223.474+/-0.126 χ^2/NDF: 2278338.0/76

- sign 1226.944+/-0.180 χ^2/NDF: 1118241.9/38

diff_bpm0l10X_mean vs Slug



Right In: 24.463+/-3.136 χ^2/NDF: 48.3/15

Left Out: -6.961+/-1.629 χ^2/NDF:26.8/21

Right Out: -8.413+/-2.891 χ^2/NDF: 31.1/18

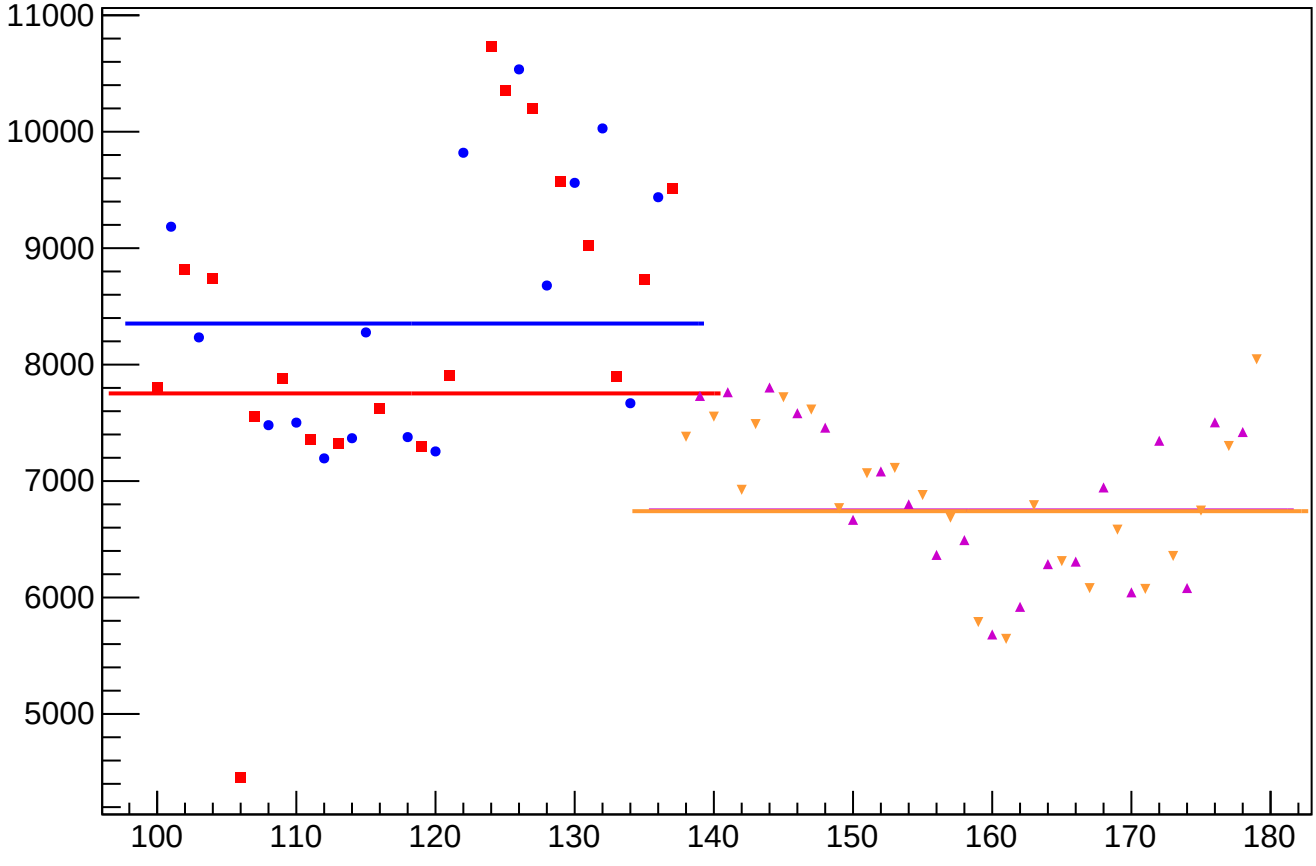
Left In: 8.462+/-1.688 χ^2/NDF:24.5/19

+ sign -0.286+/-1.445 χ^2/NDF: 154.2/37

All: 1.926+/-1.026 χ^2/NDF: 240.0/76

- sign 4.174+/-1.457 χ^2/NDF: 81.0/38

diff_bpm0l10X_rms vs Slug



Right In: 8352.758+/-2.218 χ^2/NDF: 220412.5/15

Left Out: 6741.493+/-1.152 χ^2/NDF:313046.0/21

Right Out: 7752.674+/-2.044 χ^2/NDF: 588072.1/18

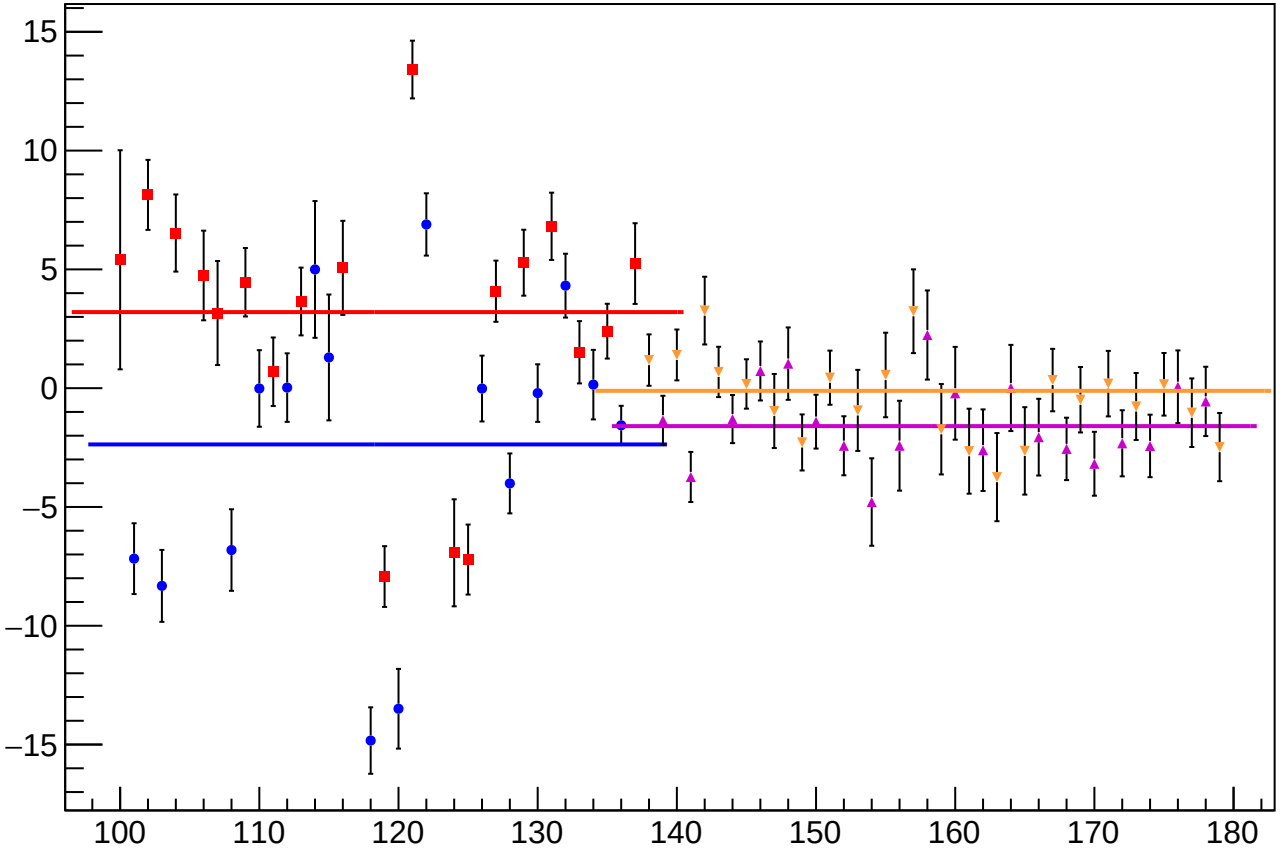
Left In: 6747.919+/-1.193 χ^2/NDF:320126.0/19

+ sign 7083.779+/-1.022 χ^2/NDF: 949234.5/37

All: 7043.858+/-0.726 χ^2/NDF: 2040695.5/76

- sign 7003.275+/-1.031 χ^2/NDF: 1088384.7/38

diff_bpm0l10Y_mean vs Slug



Right In: -2.368+/-0.350 χ^2/NDF: 255.6/15

Left Out: -0.112+/-0.291 χ^2/NDF:29.7/21

Right Out: 3.203+/-0.346 χ^2/NDF: 250.5/18

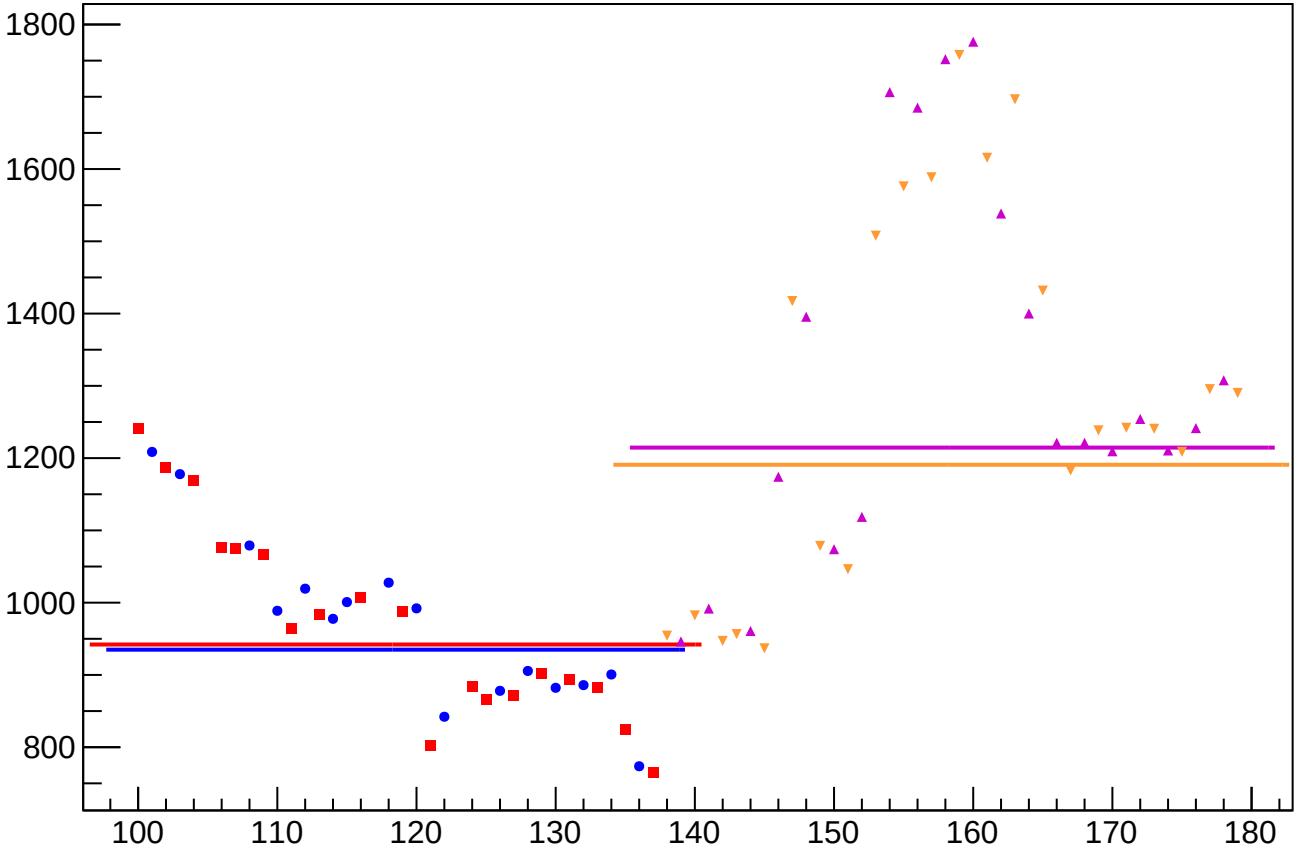
Left In: -1.597+/-0.307 χ^2/NDF:24.6/19

+ sign -1.034+/-0.224 χ^2/NDF: 309.7/37

All: -0.278+/-0.160 χ^2/NDF: 715.6/76

- sign 0.516+/-0.230 χ^2/NDF: 382.6/38

diff_bpm0l10Y_rms vs Slug



Right In: 934.975+/-0.248 χ^2/NDF: 254363.7/15

Left Out: 1190.836+/-0.206 χ^2/NDF:1306106.2/21

Right Out: 942.096+/-0.245 χ^2/NDF: 232453.5/18

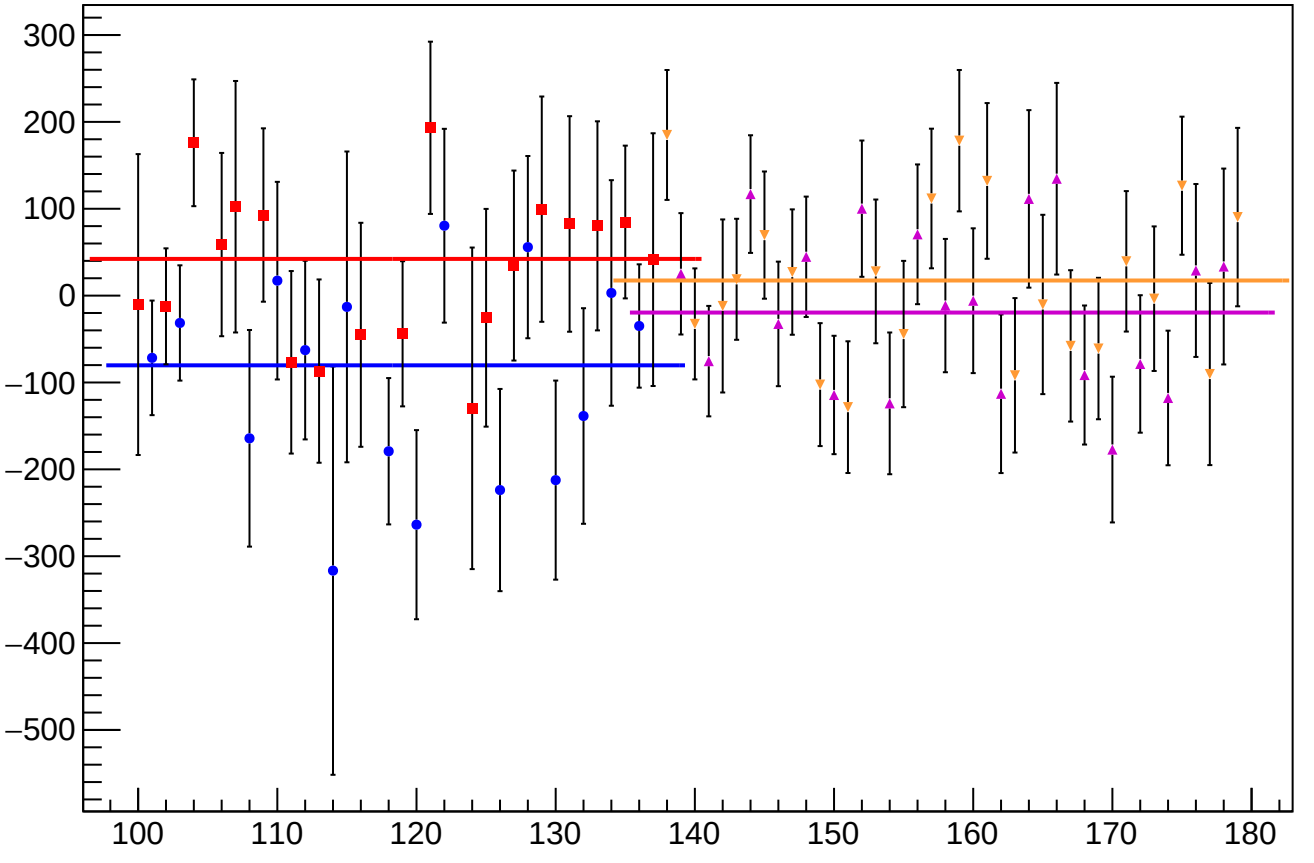
Left In: 1214.560+/-0.217 χ^2/NDF:1122496.3/19

+ sign 1086.220+/-0.158 χ^2/NDF: 2190645.0/37

All: 1090.301+/-0.113 χ^2/NDF: 4239632.5/76

- sign 1094.594+/-0.163 χ^2/NDF: 2047626.3/38

diff_bpm0r03X_mean vs Slug



Right In: -80.250+/-24.909 χ^2/NDF: 14.8/15

Left Out: 17.414+/-17.292 χ^2/NDF:27.1/21

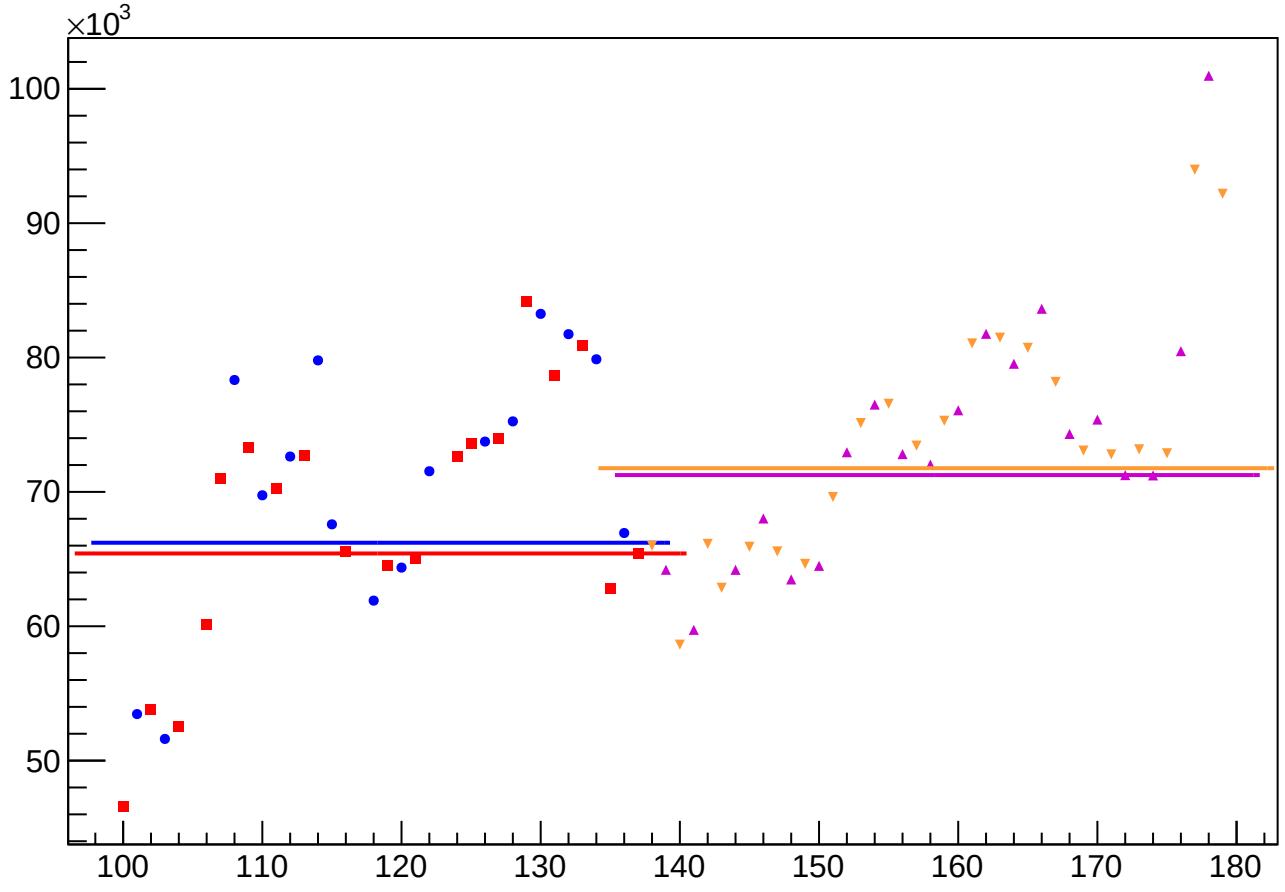
Right Out: 42.263+/-24.144 χ^2/NDF: 13.0/18

Left In: -19.506+/-17.757 χ^2/NDF:24.9/19

+ sign -14.346+/-14.205 χ^2/NDF: 52.3/37

All: -6.143+/-10.079 χ^2/NDF: 95.1/76

- sign 2.176+/-14.305 χ^2/NDF: 42.2/38



Right In: 66216.115+/-17.613 χ^2/NDF: 338377.6/15

Left Out: 71764.183+/-12.227 χ^2/NDF:441207.4/21

Right Out: 65418.529+/-17.073 χ^2/NDF: 304555.9/18

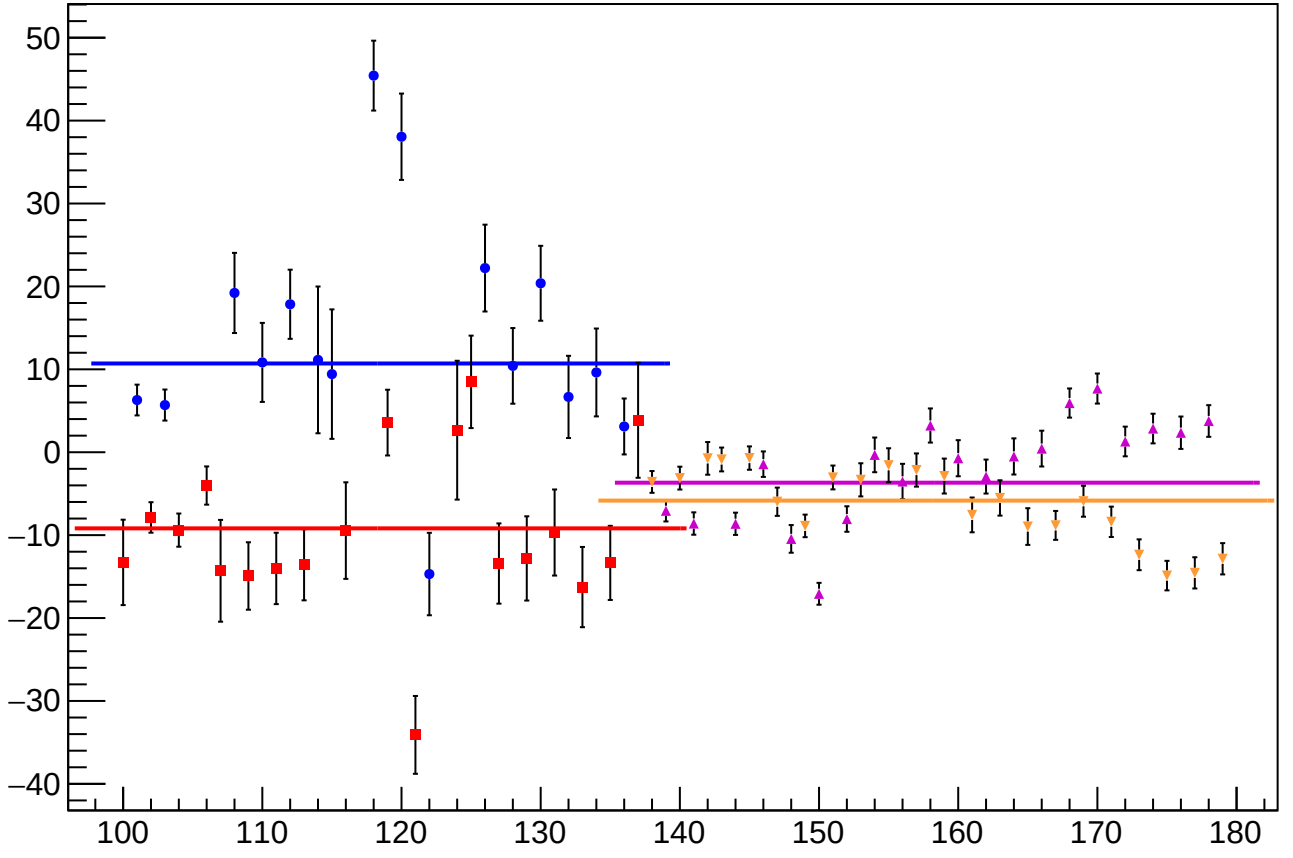
Left In: 71253.262+/-12.556 χ^2/NDF:402188.5/19

+ sign 69959.953+/-10.044 χ^2/NDF: 846539.2/37

All: 69585.199+/-7.127 χ^2/NDF: 1631886.7/7

- sign 69205.134+/-10.115 χ^2/NDF: 782543.6/38

diff_bpm0r03Y_mean vs Slug



Right In: 10.705+/-0.921 χ^2/NDF: 155.6/15

Left Out: -5.832+/-0.367 χ^2/NDF:139.7/21

Right Out: -9.182+/-0.850 χ^2/NDF: 69.6/18

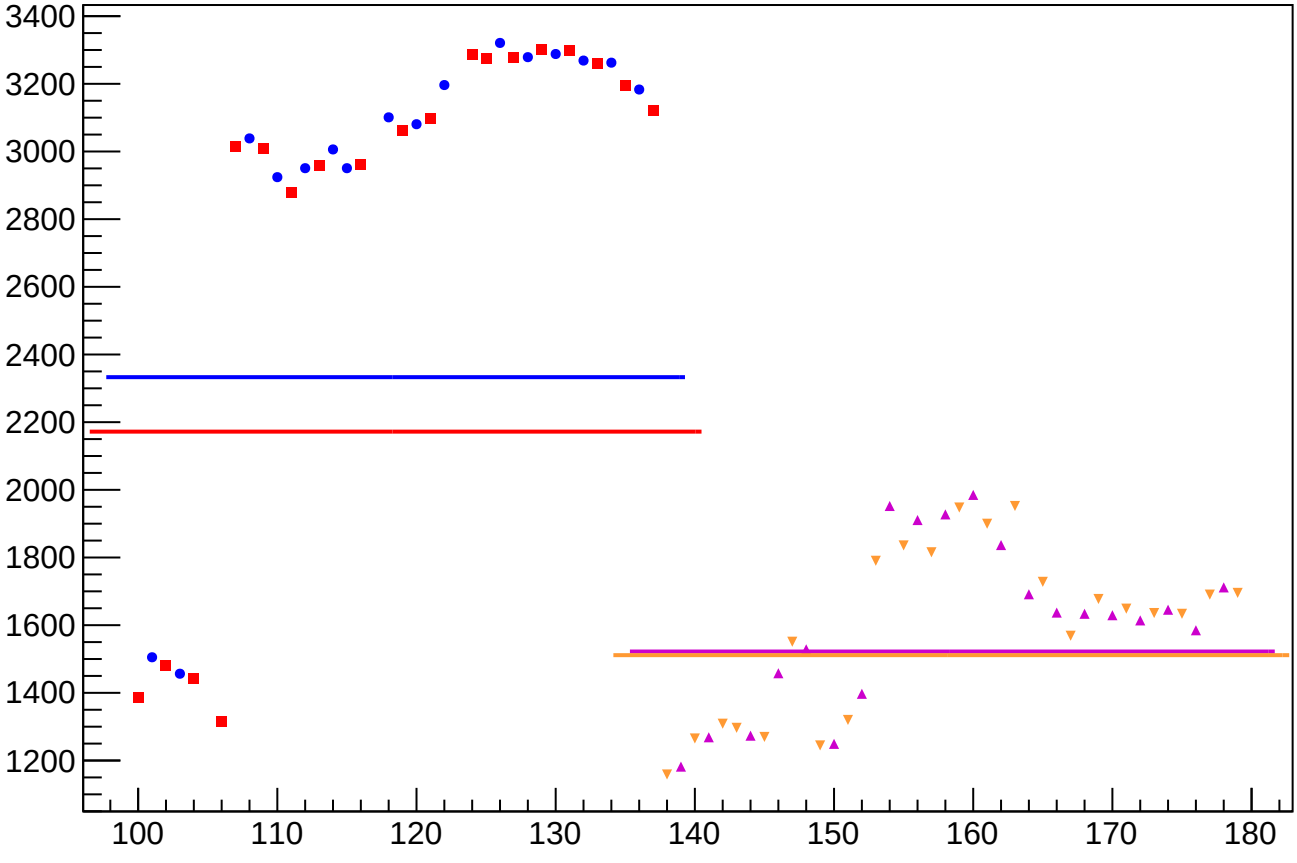
Left In: -3.674+/-0.382 χ^2/NDF:300.2/19

+ sign -3.561+/-0.341 χ^2/NDF: 573.7/37

All: -4.070+/-0.244 χ^2/NDF: 982.9/76

- sign -4.601+/-0.349 χ^2/NDF: 404.7/38

diff_bpm0r03Y_rms vs Slug



Right In: 2333.021+/-0.651 χ^2/NDF: 1651407.8/15

Left Out: 1511.368+/-0.260 χ^2/NDF:925279.2/21

Right Out: 2172.041+/-0.601 χ^2/NDF: 1984197.6/18

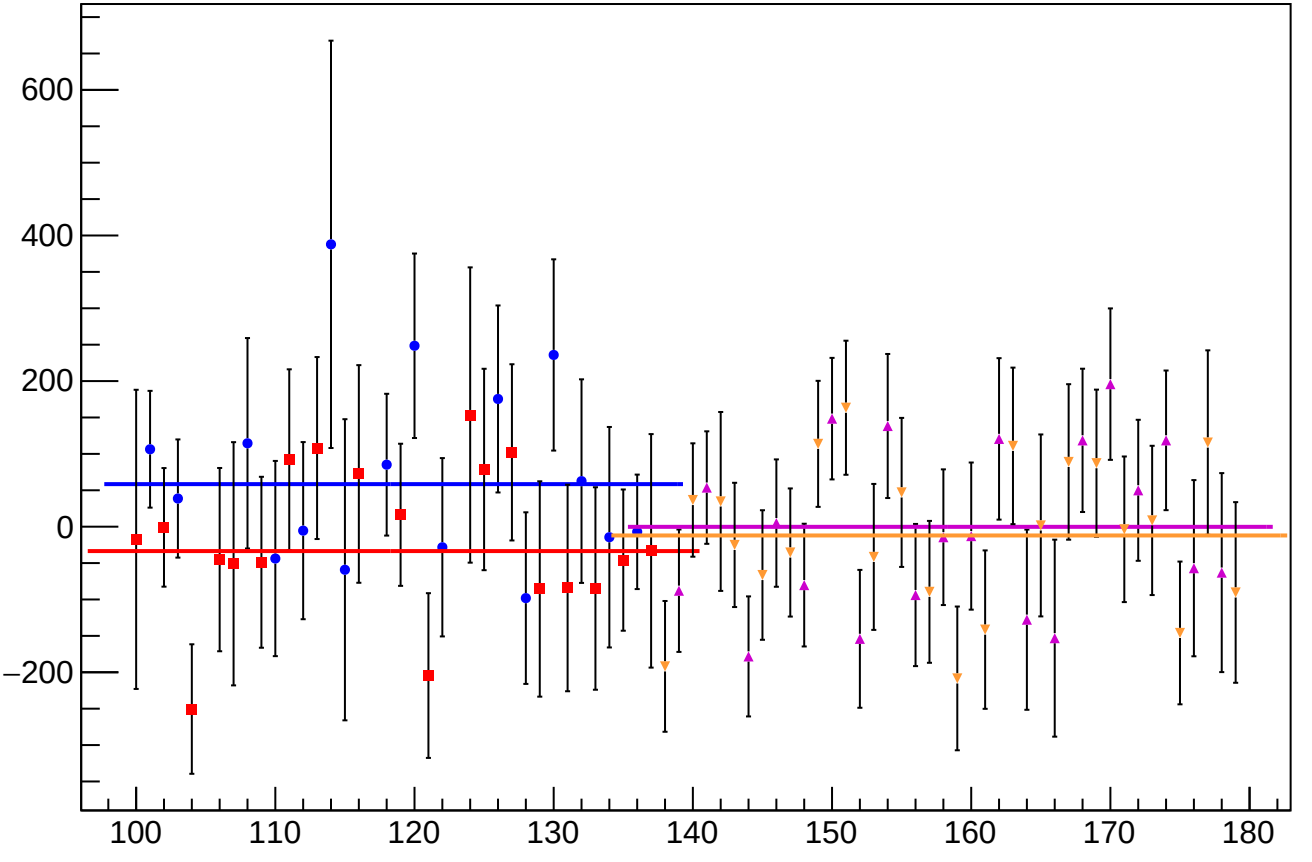
Left In: 1522.137+/-0.270 χ^2/NDF:816852.1/19

+ sign 1624.167+/-0.241 χ^2/NDF: 3951300.4/37

All: 1627.770+/-0.172 χ^2/NDF: 7724887.7/76

- sign 1631.538+/-0.247 χ^2/NDF: 3773130.8/38

diff_bpm0r05X_mean vs Slug



Right In: 58.446+/-28.918 χ^2/NDF: 11.3/15

Left Out: -12.071+/-21.087 χ^2/NDF:23.7/21

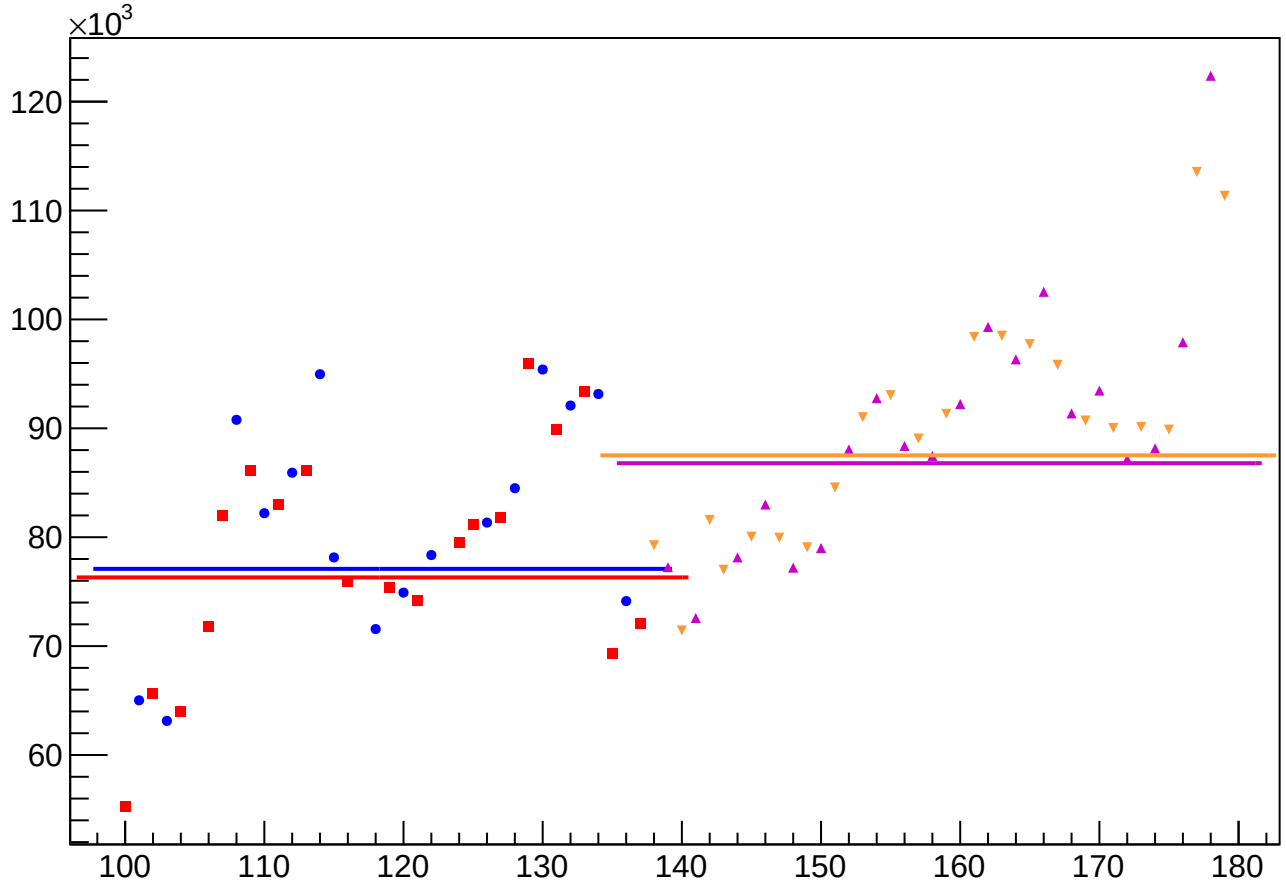
Right Out: -33.520+/-28.106 χ^2/NDF: 14.7/18

Left In: -0.215+/-21.635 χ^2/NDF:26.6/19

\+ sign 12.409+/-17.038 χ^2/NDF: 38.9/37

All: -0.022+/-12.085 χ^2/NDF: 82.1/76

\- sign -12.607+/-17.144 χ^2/NDF: 42.2/38



Right In: 77093.125+/-20.448 χ^2/NDF: 248542.7/15

Left Out: 87518.125+/-14.911 χ^2/NDF:429077.2/21

Right Out: 76308.708+/-19.874 χ^2/NDF: 234433.2/18

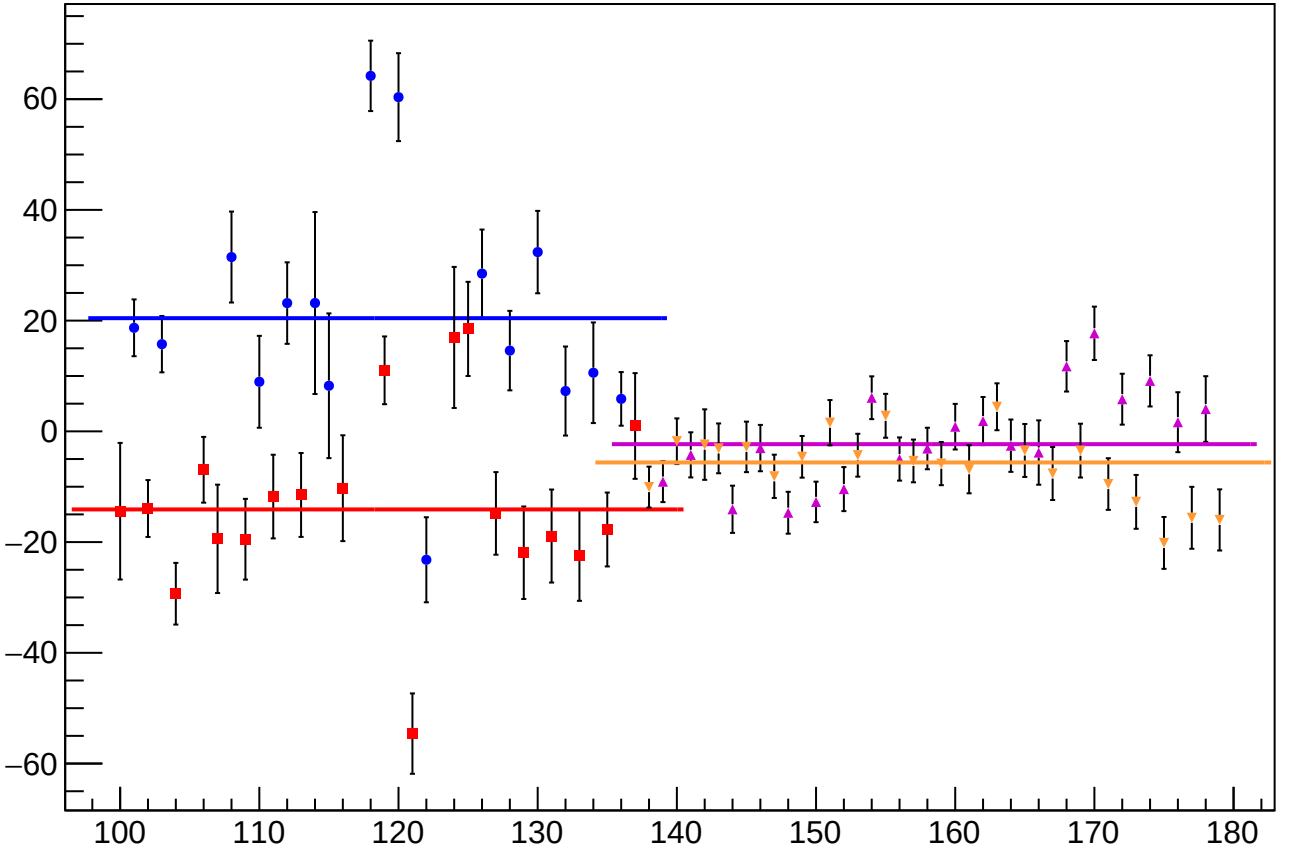
Left In: 86798.630+/-15.298 χ^2/NDF:406364.1/19

+ sign 83899.036+/-12.048 χ^2/NDF: 847314.5/37

All: 83400.401+/-8.545 χ^2/NDF: 1666501.3/7

- sign 82895.559+/-12.123 χ^2/NDF: 815739.6/38

diff_bpm0r05Y_mean vs Slug



Right In: 20.441+/-1.782 χ^2/NDF: 127.8/15

Left Out: -5.620+/-0.932 χ^2/NDF:37.0/21

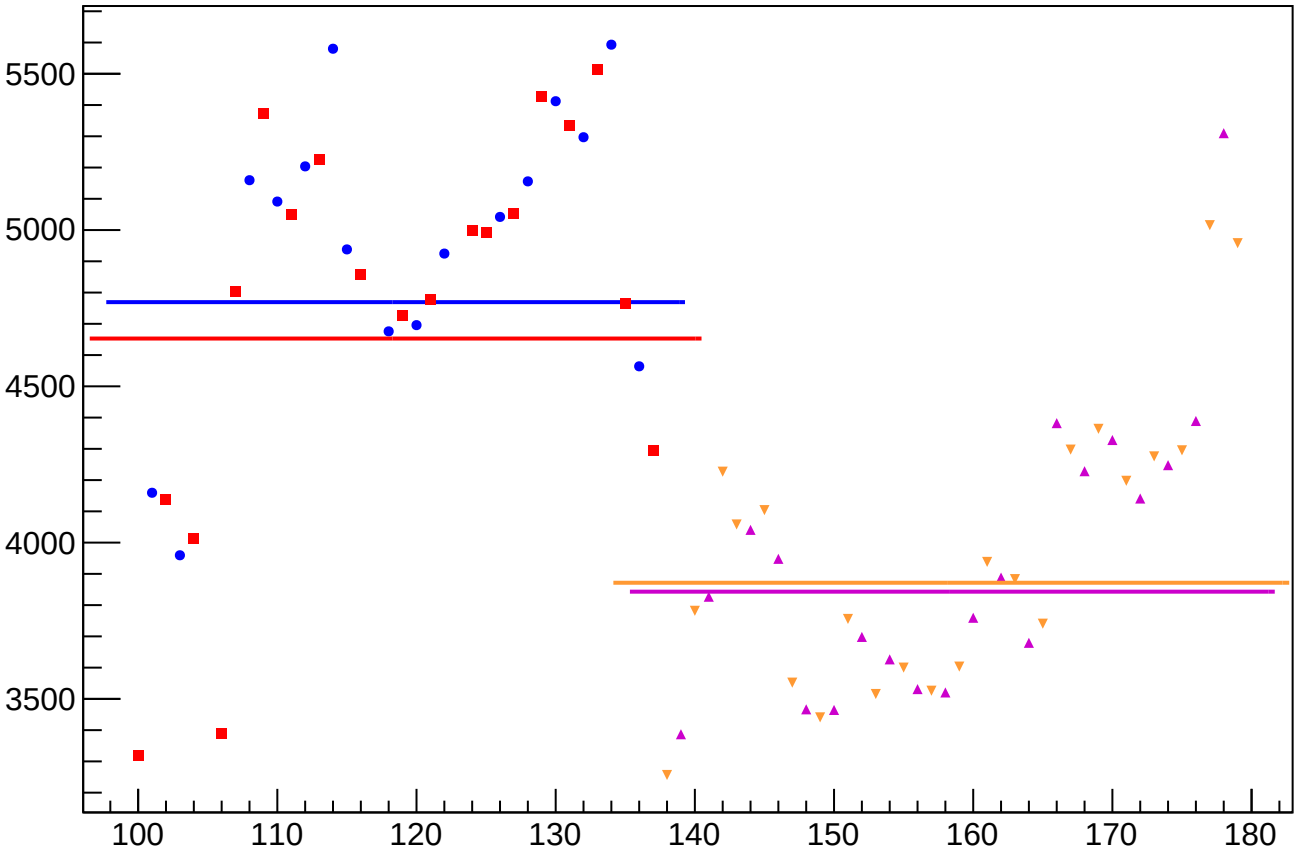
Right Out: -14.102+/-1.714 χ^2/NDF: 83.8/18

Left In: -2.315+/-0.957 χ^2/NDF:78.8/19

+ sign -0.019+/-0.826 χ^2/NDF: 332.7/37

All: -2.539+/-0.588 χ^2/NDF: 550.1/76

- sign -5.119+/-0.836 χ^2/NDF: 198.6/38



Right In: 4769.375+/-1.260 χ^2/NDF: 151678.3/15

Left Out: 3871.585+/-0.659 χ^2/NDF:403578.3/21

Right Out: 4652.924+/-1.212 χ^2/NDF: 265116.1/18

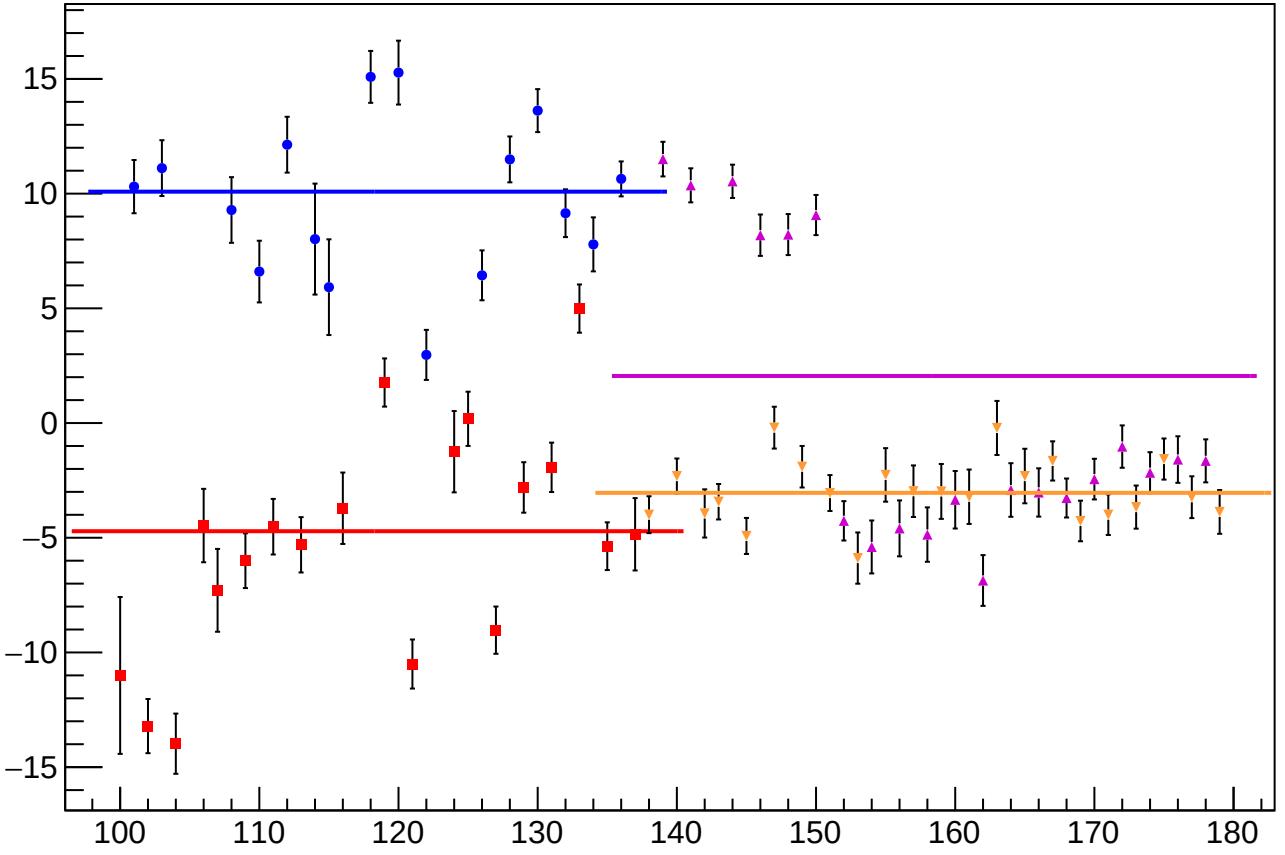
Left In: 3843.019+/-0.677 χ^2/NDF:335437.9/19

+ sign 4064.531+/-0.584 χ^2/NDF: 953823.4/37

All: 4050.261+/-0.415 χ^2/NDF: 1896095.9/76

- sign 4035.656+/-0.591 χ^2/NDF: 941064.8/38

diff_bpm2i01X_mean vs Slug



Right In: 10.086+/-0.288 χ^2/NDF: 123.9/15

Left Out: -3.042+/-0.199 χ^2/NDF:43.1/21

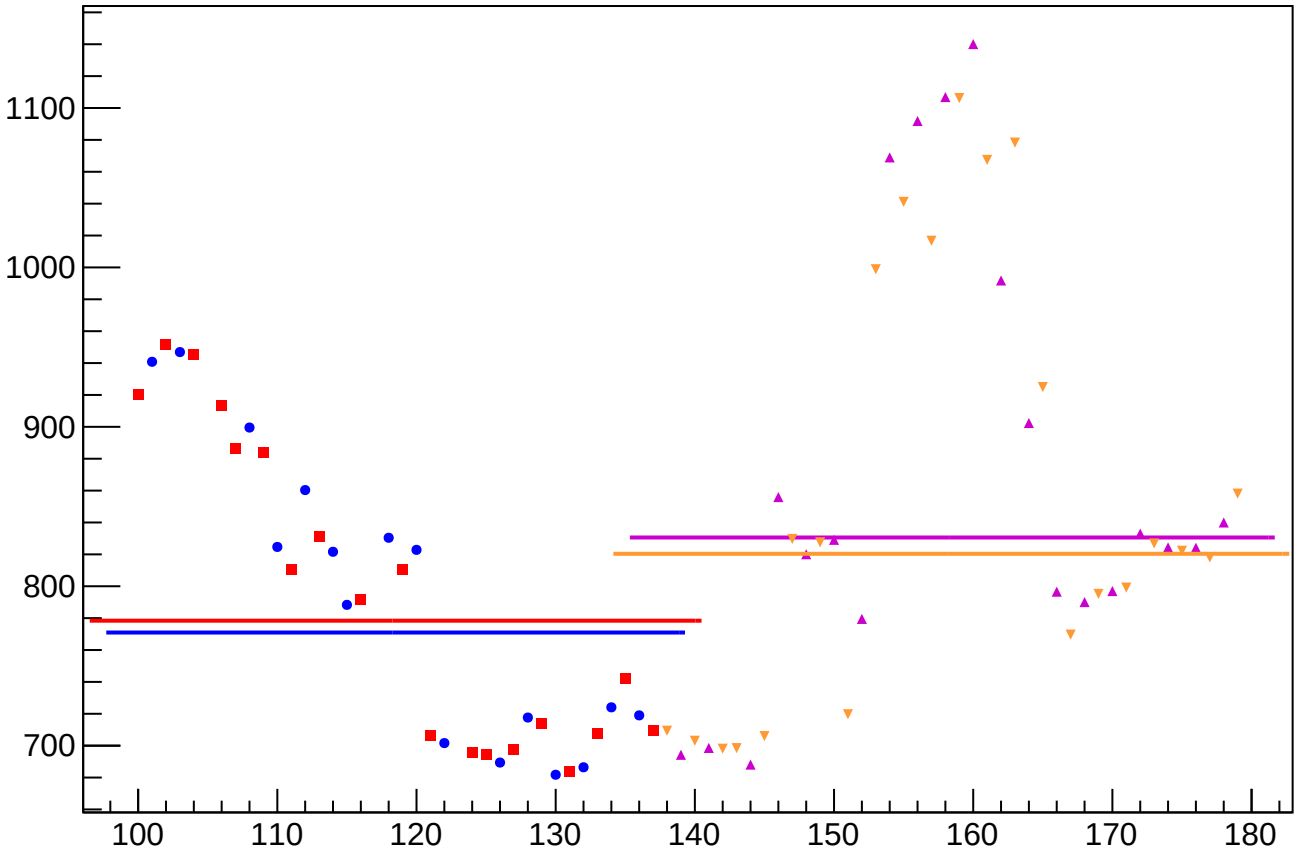
Right Out: -4.715+/-0.286 χ^2/NDF: 310.2/18

Left In: 2.052+/-0.208 χ^2/NDF:988.2/19

\+ sign 1.191+/-0.164 χ^2/NDF: 1571.3/37

All: 0.467+/-0.117 χ^2/NDF: 3276.0/76

\- sign -0.298+/-0.168 χ^2/NDF: 1664.5/38



Right In: 770.973+/-0.204 χ^2/NDF: 192911.9/15

Left Out: 820.361+/-0.141 χ^2/NDF:746659.0/21

Right Out: 778.394+/-0.202 χ^2/NDF: 196544.2/18

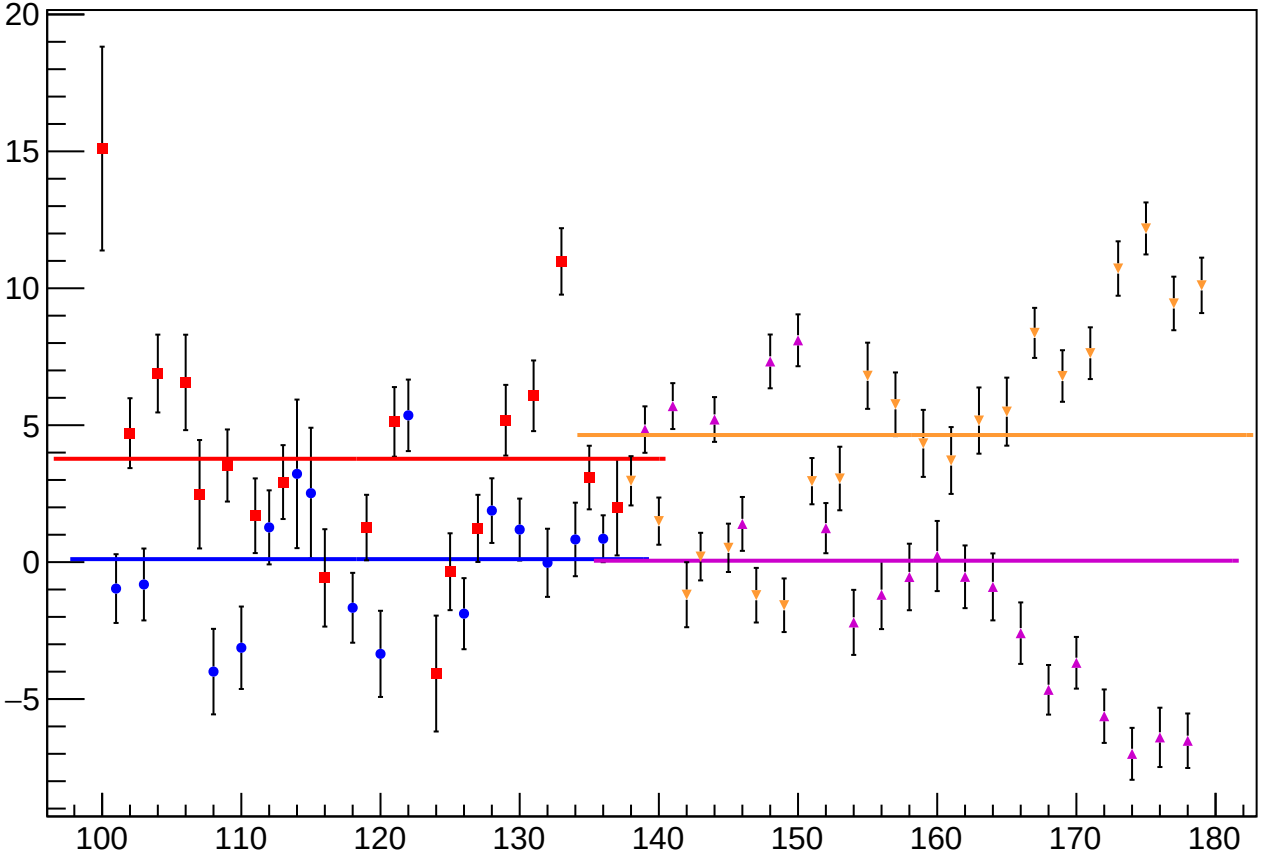
Left In: 830.578+/-0.147 χ^2/NDF:682294.8/19

\+ sign 804.436+/-0.116 χ^2/NDF: 979316.7/37

All: 808.336+/-0.083 χ^2/NDF: 1904028.5/76

\- sign 812.460+/-0.119 χ^2/NDF: 922377.6/38

diff_bpm2i01Y_mean vs Slug



Right In: 0.109+/-0.330 χ^2/NDF: 45.4/15

Left Out: 4.641+/-0.214 χ^2/NDF:360.6/21

Right Out: 3.774+/-0.326 χ^2/NDF: 99.6/18

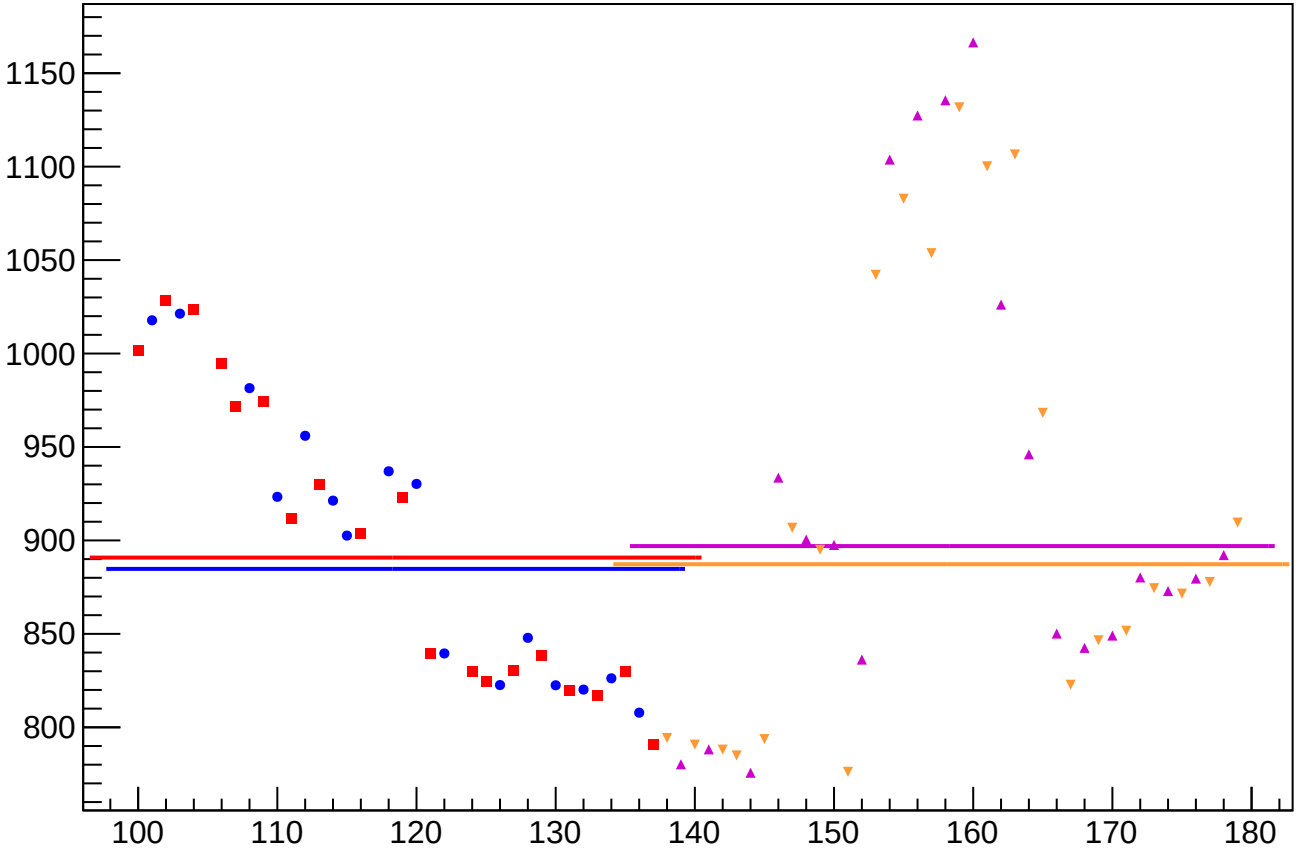
Left In: 0.052+/-0.224 χ^2/NDF:469.9/19

+ sign 3.297+/-0.180 χ^2/NDF: 538.7/37

All: 2.300+/-0.129 χ^2/NDF: 1260.0/76

- sign 1.246+/-0.185 χ^2/NDF: 657.9/38

diff_bpm2i01Y_rms vs Slug



Right In: 884.773+/-0.233 χ^2/NDF: 104494.1/15

Left Out: 887.266+/-0.152 χ^2/NDF:508714.5/21

Right Out: 890.815+/-0.231 χ^2/NDF: 107763.6/18

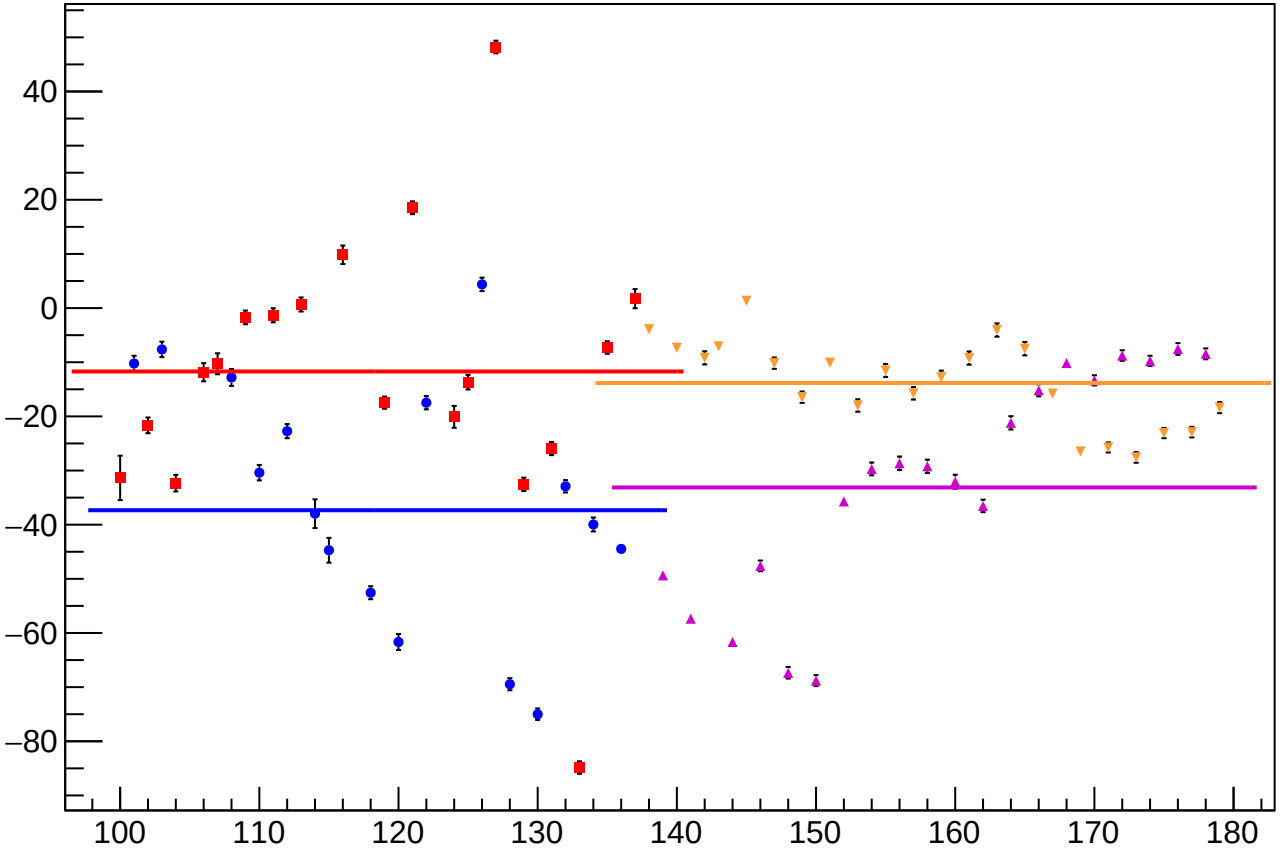
Left In: 896.975+/-0.158 χ^2/NDF:467812.0/19

+ sign 886.527+/-0.127 χ^2/NDF: 613289.0/37

All: 890.646+/-0.091 χ^2/NDF: 1191510.6/76

- sign 894.998+/-0.131 χ^2/NDF: 576060.2/38

diff_bpm2i02X_mean vs Slug



Right In: -37.330+/-0.322 χ^2/NDF: 5184.7/15

Left Out: -13.830+/-0.216 χ^2/NDF:1435.5/21

Right Out: -11.706+/-0.318 χ^2/NDF: 8463.6/18

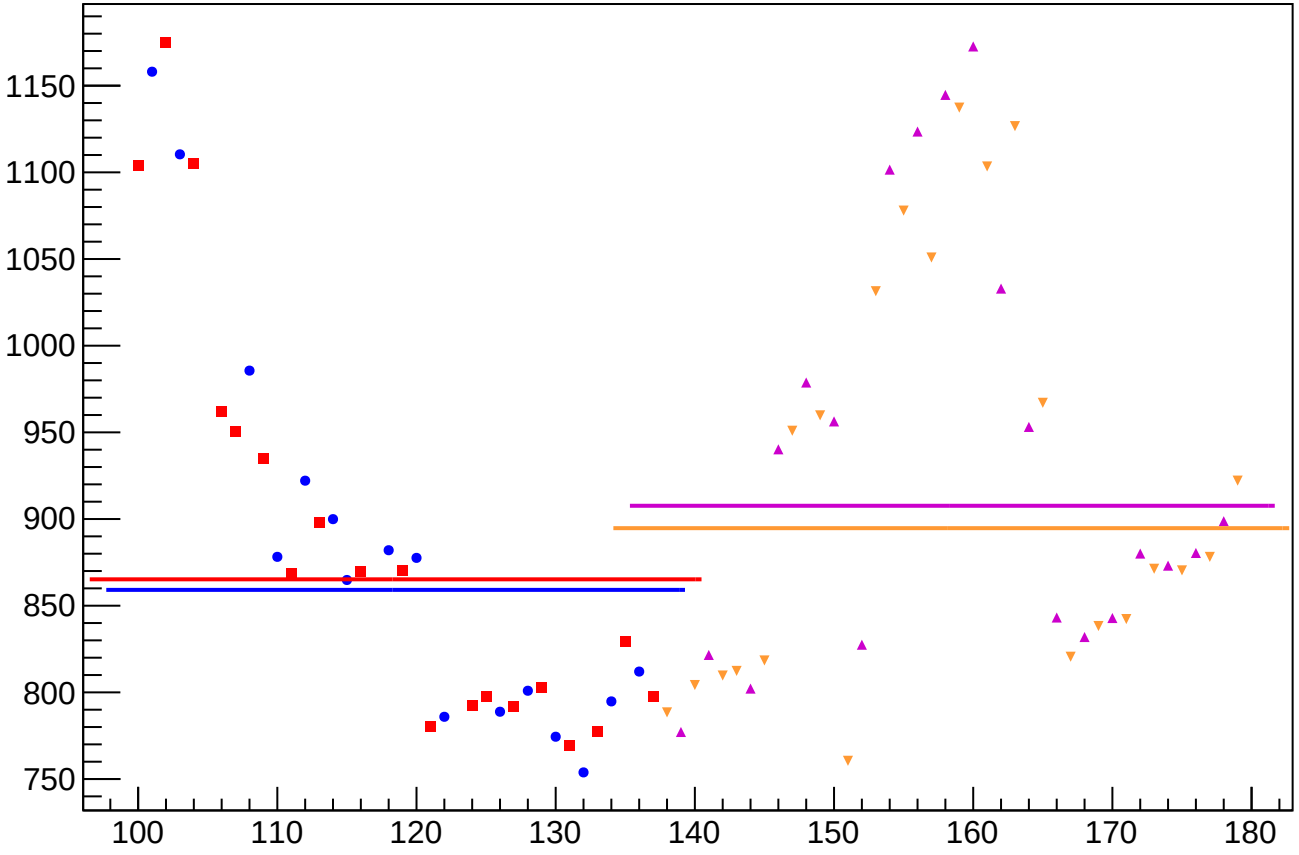
Left In: -33.126+/-0.227 χ^2/NDF:8667.1/19

+ sign -21.137+/-0.179 χ^2/NDF: 10296.3/37

All: -23.449+/-0.129 χ^2/NDF: 30777.0/76

- sign -25.899+/-0.185 χ^2/NDF: 20138.7/38

diff_bpm2i02X_rms vs Slug



Right In: 859.126+/-0.228 χ^2/NDF: 228710.0/15

Left Out: 894.728+/-0.153 χ^2/NDF:511984.6/21

Right Out: 865.213+/-0.225 χ^2/NDF: 223669.1/18

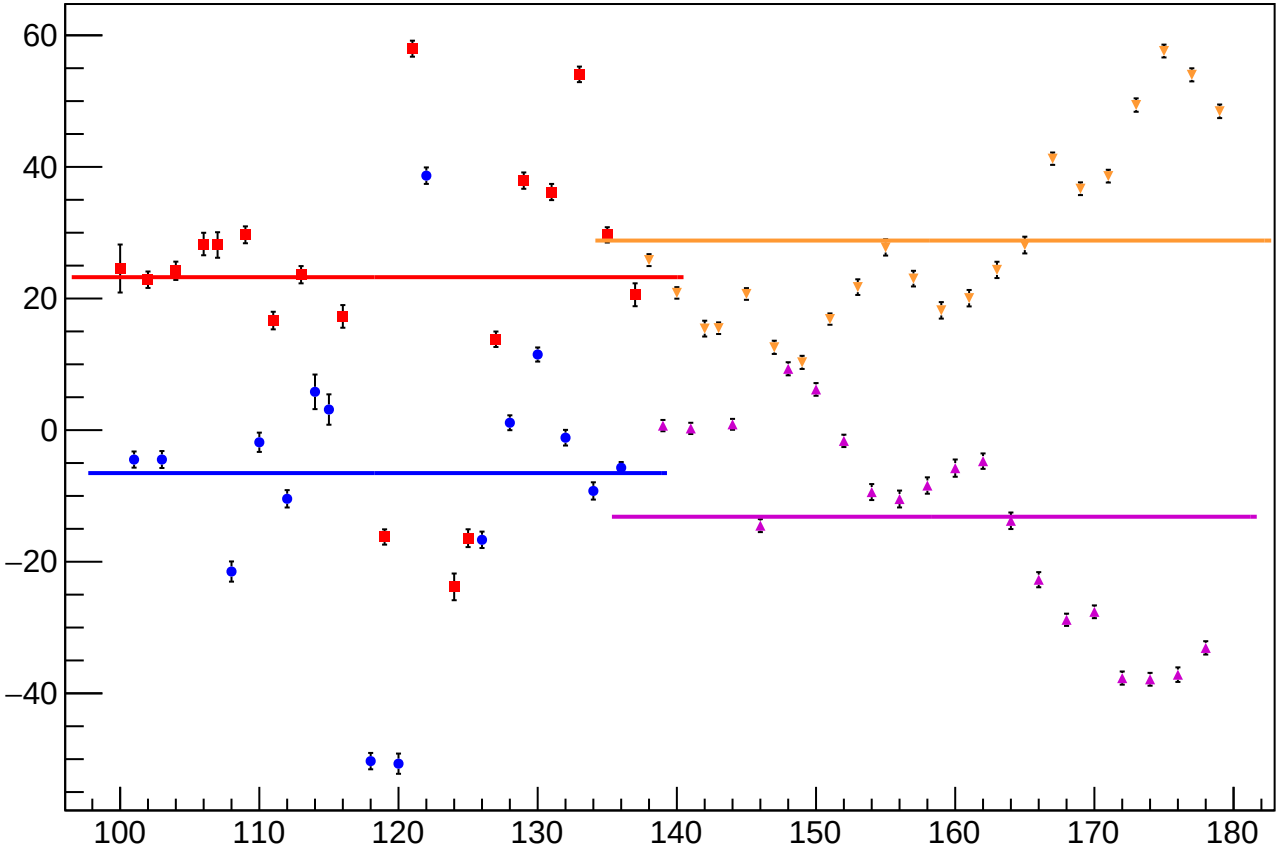
Left In: 907.647+/-0.160 χ^2/NDF:464354.6/19

+ sign 883.657+/-0.127 χ^2/NDF: 757569.0/37

All: 888.354+/-0.091 χ^2/NDF: 1472025.8/76

- sign 893.330+/-0.131 χ^2/NDF: 711633.8/38

diff_bpm2i02Y_mean vs Slug



Right In: -6.529+/-0.321 χ^2/NDF: 3946.1/15

Left Out: 28.809+/-0.219 χ^2/NDF:4136.4/21

Right Out: 23.244+/-0.317 χ^2/NDF: 4470.0/18

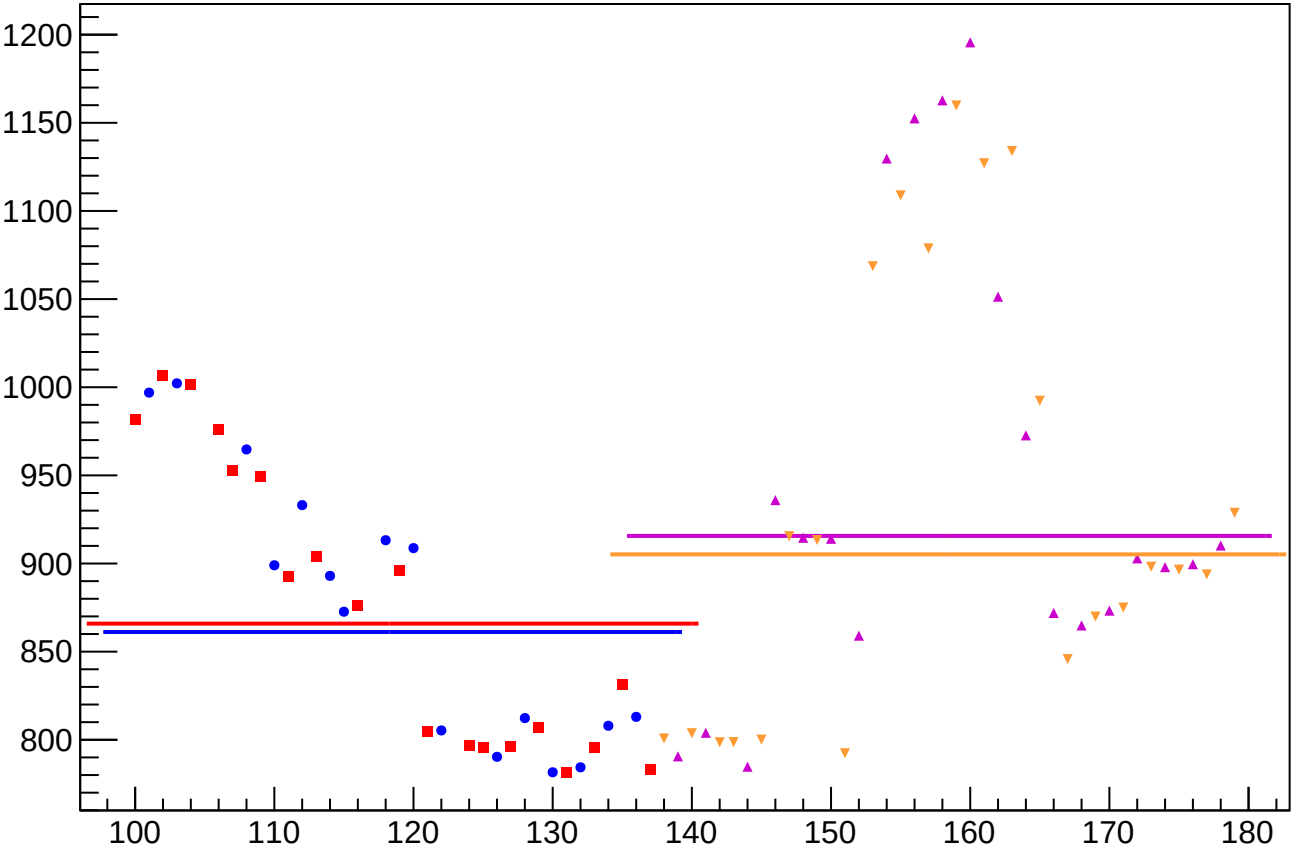
Left In: -13.161+/-0.229 χ^2/NDF:4638.6/19

+ sign 17.618+/-0.181 χ^2/NDF: 16353.7/37

All: 8.703+/-0.129 χ^2/NDF: 39128.3/76

- sign -0.691+/-0.186 χ^2/NDF: 17778.3/38

diff_bpm2i02Y_rms vs Slug



Right In: 861.169+/-0.227 χ^2/NDF: 113529.7/15

Left Out: 905.186+/-0.155 χ^2/NDF:532356.1/21

Right Out: 865.907+/-0.224 χ^2/NDF: 118418.0/18

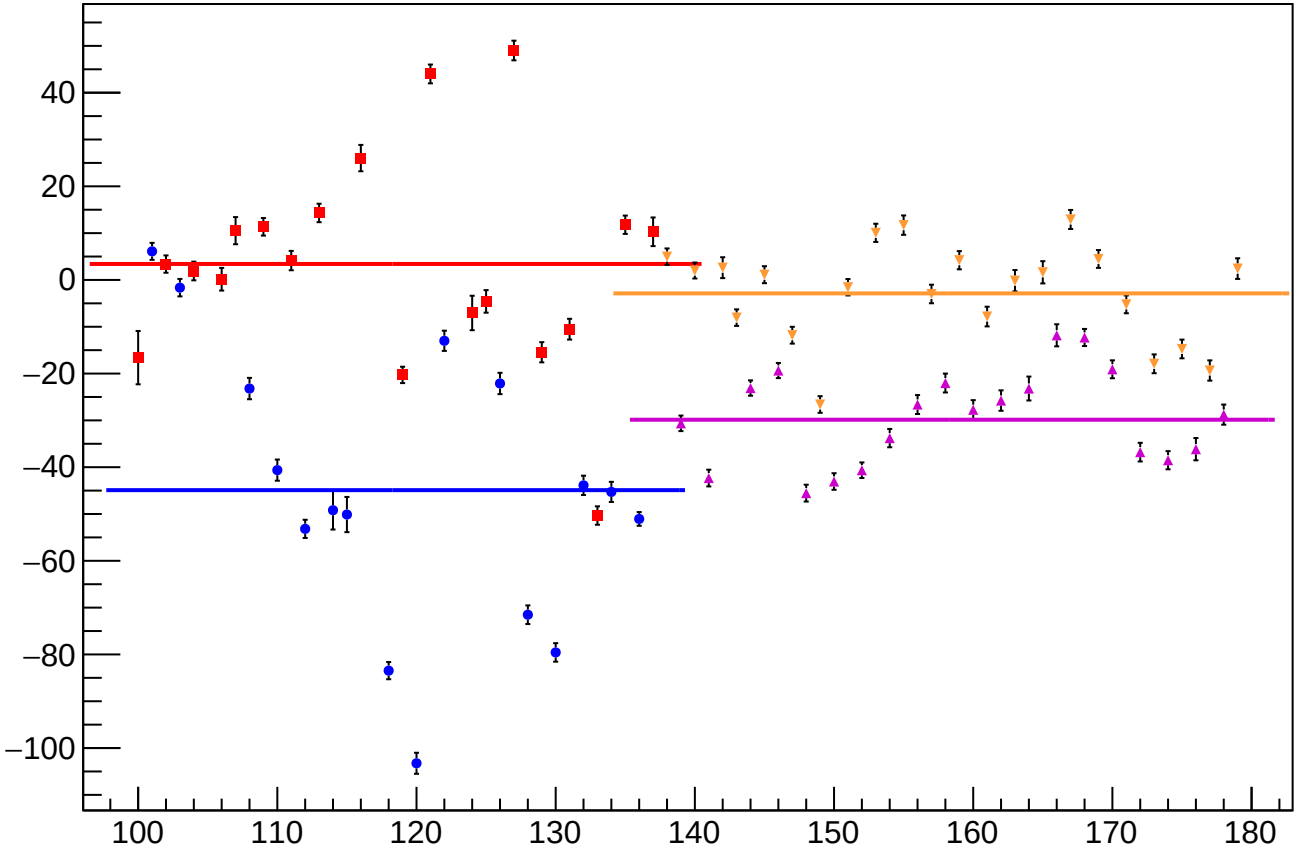
Left In: 915.659+/-0.162 χ^2/NDF:479832.7/19

+ sign 891.247+/-0.128 χ^2/NDF: 671551.9/37

All: 894.836+/-0.092 χ^2/NDF: 1303807.7/76

- sign 898.617+/-0.131 χ^2/NDF: 630636.4/38

diff_bpm0i02X_mean vs Slug



Right In: -44.905+/-0.520 χ^2/NDF: 3377.6/15

Left Out: -2.873+/-0.416 χ^2/NDF:601.0/21

Right Out: 3.416+/-0.509 χ^2/NDF: 2102.1/18

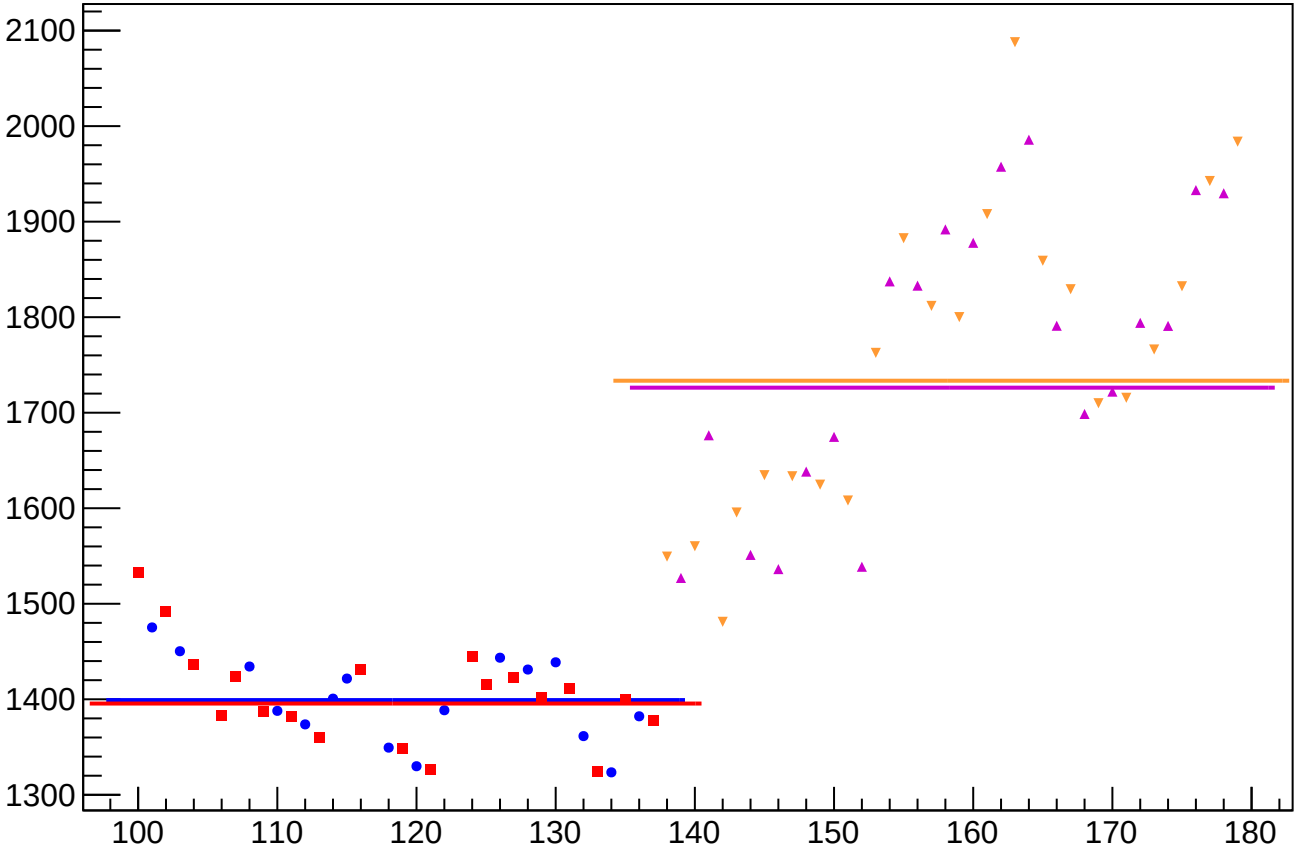
Left In: -29.860+/-0.429 χ^2/NDF:536.5/19

+ sign -19.288+/-0.325 χ^2/NDF: 7962.1/37

All: -17.681+/-0.231 χ^2/NDF: 13147.9/76

- sign -16.042+/-0.328 χ^2/NDF: 5136.3/38

diff_bpm0i02X_rms vs Slug



Right In: 1399.172+/-0.368 χ^2/NDF: 14844.1/15

Left Out: 1733.489+/-0.294 χ^2/NDF:249334.4/21

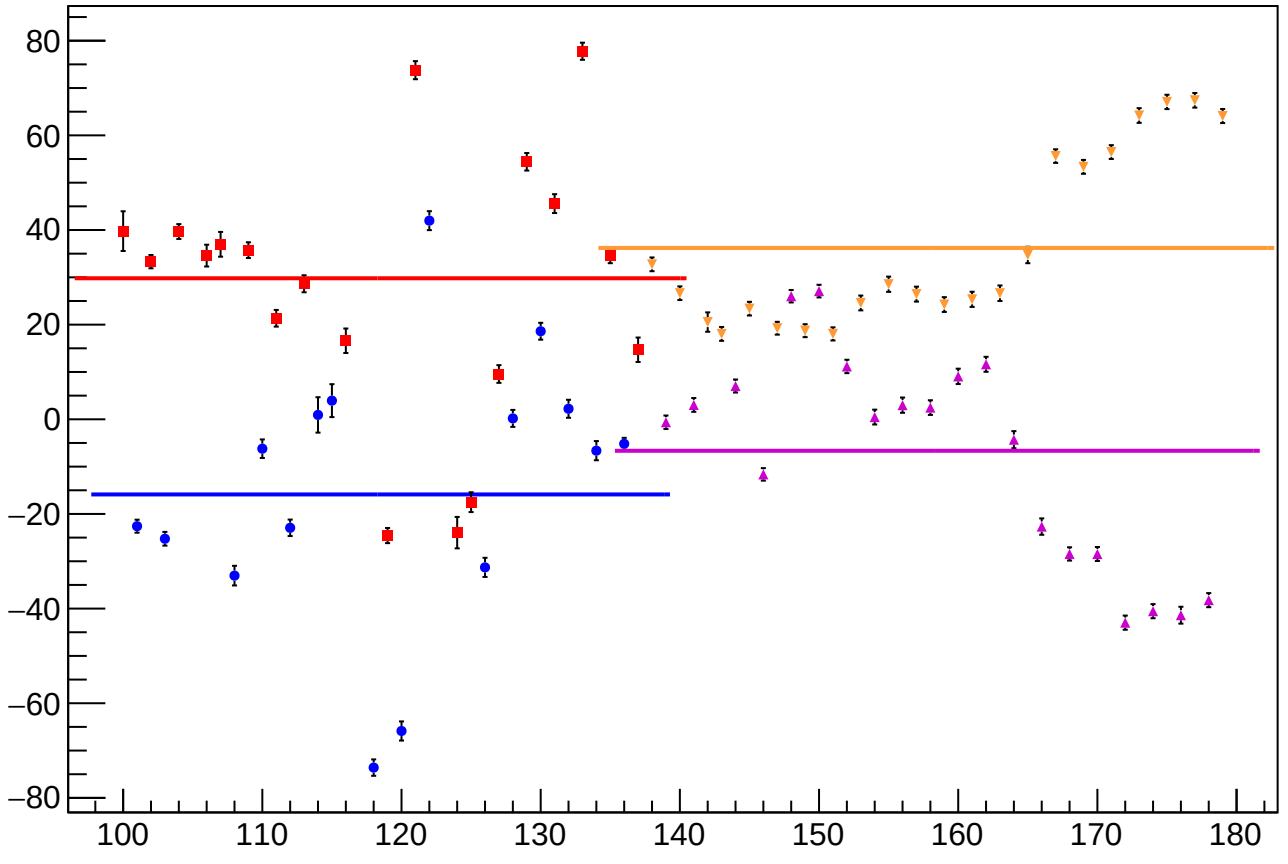
Right Out: 1395.546+/-0.360 χ^2/NDF: 16240.9/18

Left In: 1726.214+/-0.303 χ^2/NDF:231614.1/19

+ sign 1602.923+/-0.230 χ^2/NDF: 768205.0/37

All: 1595.981+/-0.163 χ^2/NDF: 1511167.7/76

- sign 1588.902+/-0.232 χ^2/NDF: 741118.6/38



Right In: -15.878+/-0.455 χ^2/NDF: 3477.8/15

Left Out: 36.210+/-0.324 χ^2/NDF:3089.3/21

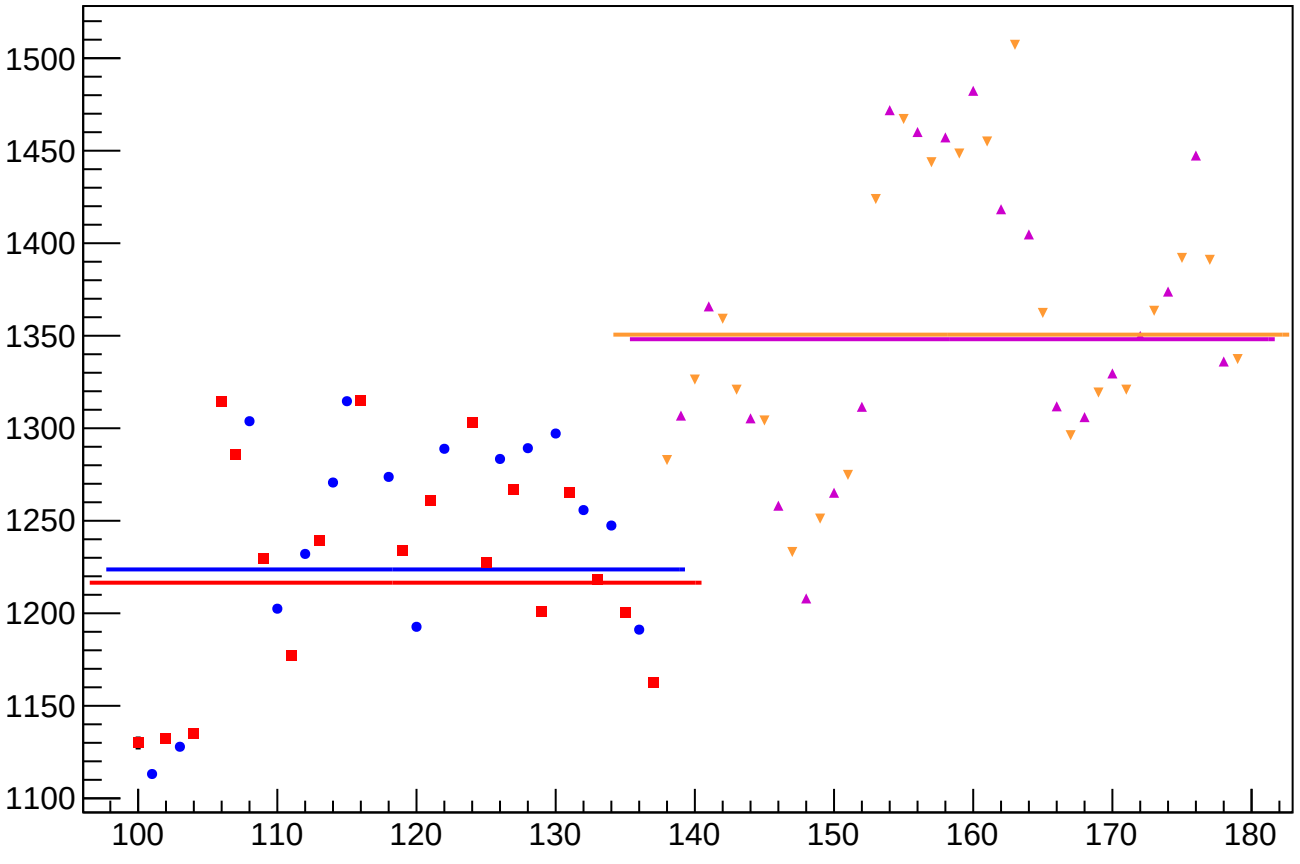
Right Out: 29.801+/-0.444 χ^2/NDF: 3681.2/18

Left In: -6.653+/-0.334 χ^2/NDF:4384.0/19

+ sign 18.725+/-0.264 χ^2/NDF: 15264.2/37

All: 12.699+/-0.188 χ^2/NDF: 28685.0/76

- sign 6.519+/-0.267 χ^2/NDF: 12363.4/38



Right In: 1223.702+/-0.322 χ^2/NDF: 40883.8/15

Left Out: 1350.595+/-0.229 χ^2/NDF:103440.7/21

Right Out: 1216.533+/-0.314 χ^2/NDF: 29381.0/18

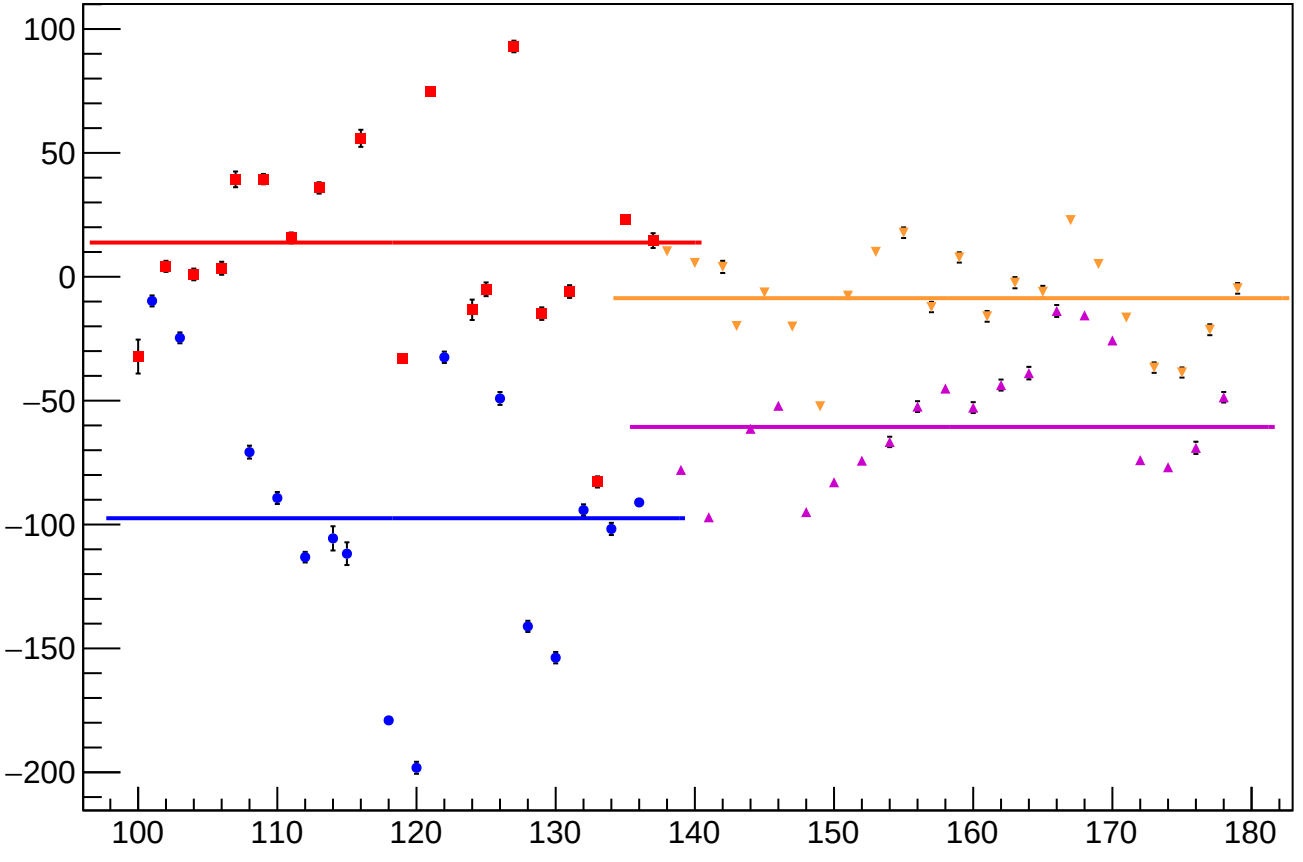
Left In: 1348.120+/-0.236 χ^2/NDF:106292.6/19

\+ sign 1308.000+/-0.187 χ^2/NDF: 247553.9/37

All: 1304.333+/-0.133 χ^2/NDF: 496020.6/76

\- sign 1300.572+/-0.189 χ^2/NDF: 247683.6/38

diff_bpm0i02aX_mean vs Slug



Right In: -97.455+/-0.579 χ^2/NDF: 8300.2/15

Left Out: -8.634+/-0.427 χ^2/NDF:1934.4/21

Right Out: 13.816+/-0.566 χ^2/NDF: 5352.2/18

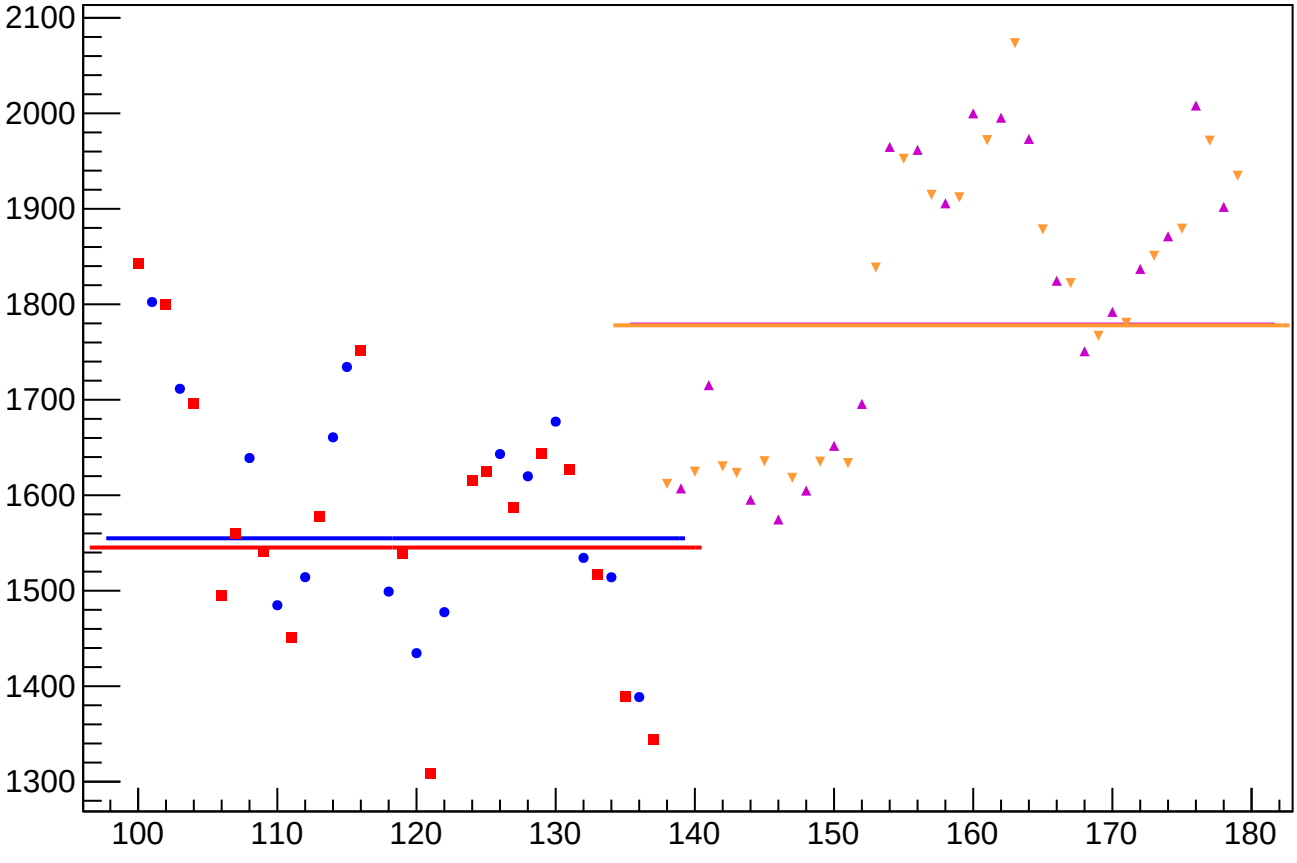
Left In: -60.609+/-0.442 χ^2/NDF:2759.7/19

\+ sign -39.880+/-0.344 χ^2/NDF: 25466.8/37

All: -36.190+/-0.245 χ^2/NDF: 44562.2/76

\- sign -32.402+/-0.348 χ^2/NDF: 18861.8/38

diff_bpm0i02aX_rms vs Slug



Right In: 1554.908+/-0.410 χ^2/NDF: 87920.1/15

Left Out: 1777.979+/-0.302 χ^2/NDF:227756.6/21

Right Out: 1545.239+/-0.400 χ^2/NDF: 108789.4/18

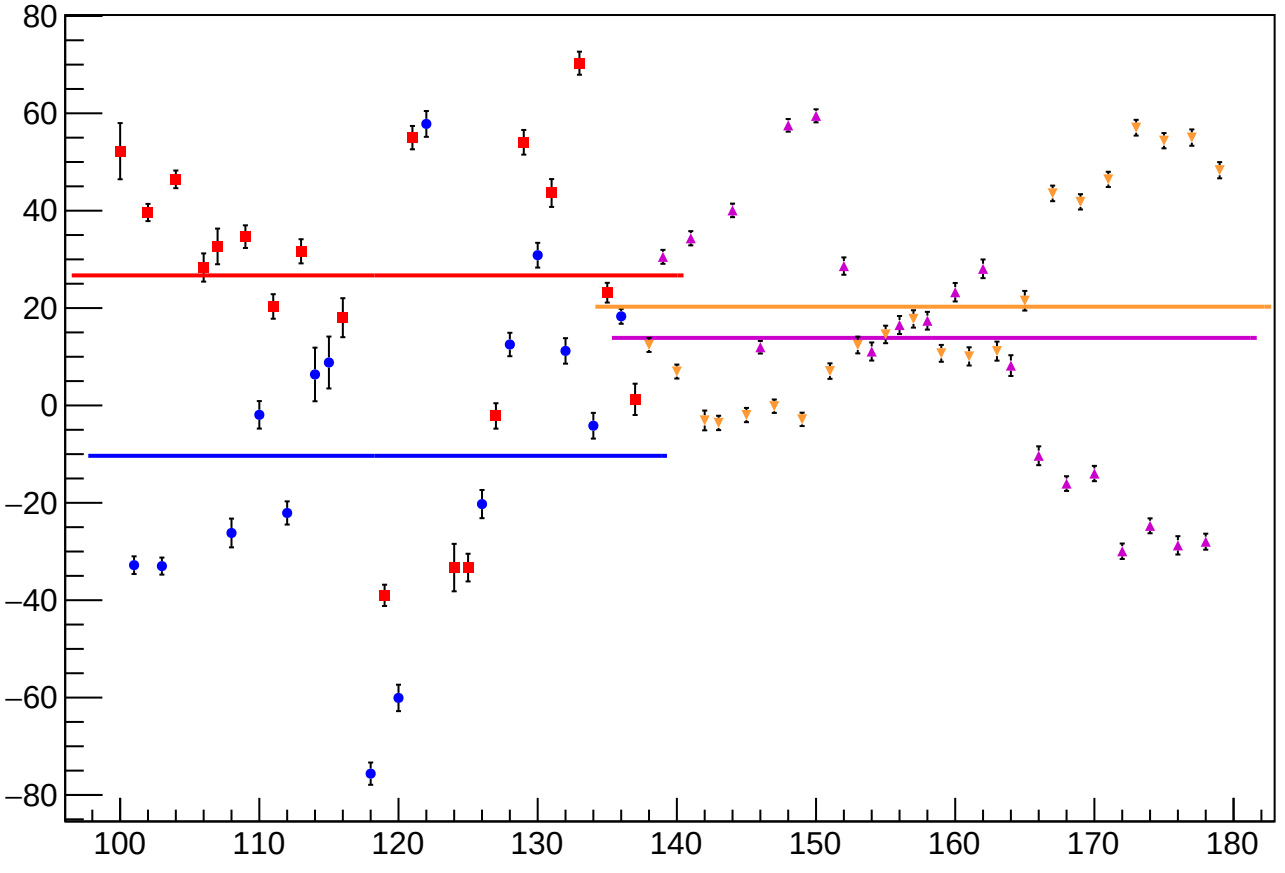
Left In: 1778.780+/-0.312 χ^2/NDF:230093.9/19

+ sign 1699.507+/-0.243 χ^2/NDF: 507828.9/37

All: 1694.949+/-0.173 χ^2/NDF: 1059126.1/76

- sign 1690.268+/-0.246 χ^2/NDF: 550584.1/38

diff_bpm0i02aY_mean vs Slug



Right In: -10.345+/-0.603 χ^2/NDF: 3007.0/15

Left Out: 20.280+/-0.345 χ^2/NDF:3808.6/21

Right Out: 26.709+/-0.586 χ^2/NDF: 2540.7/18

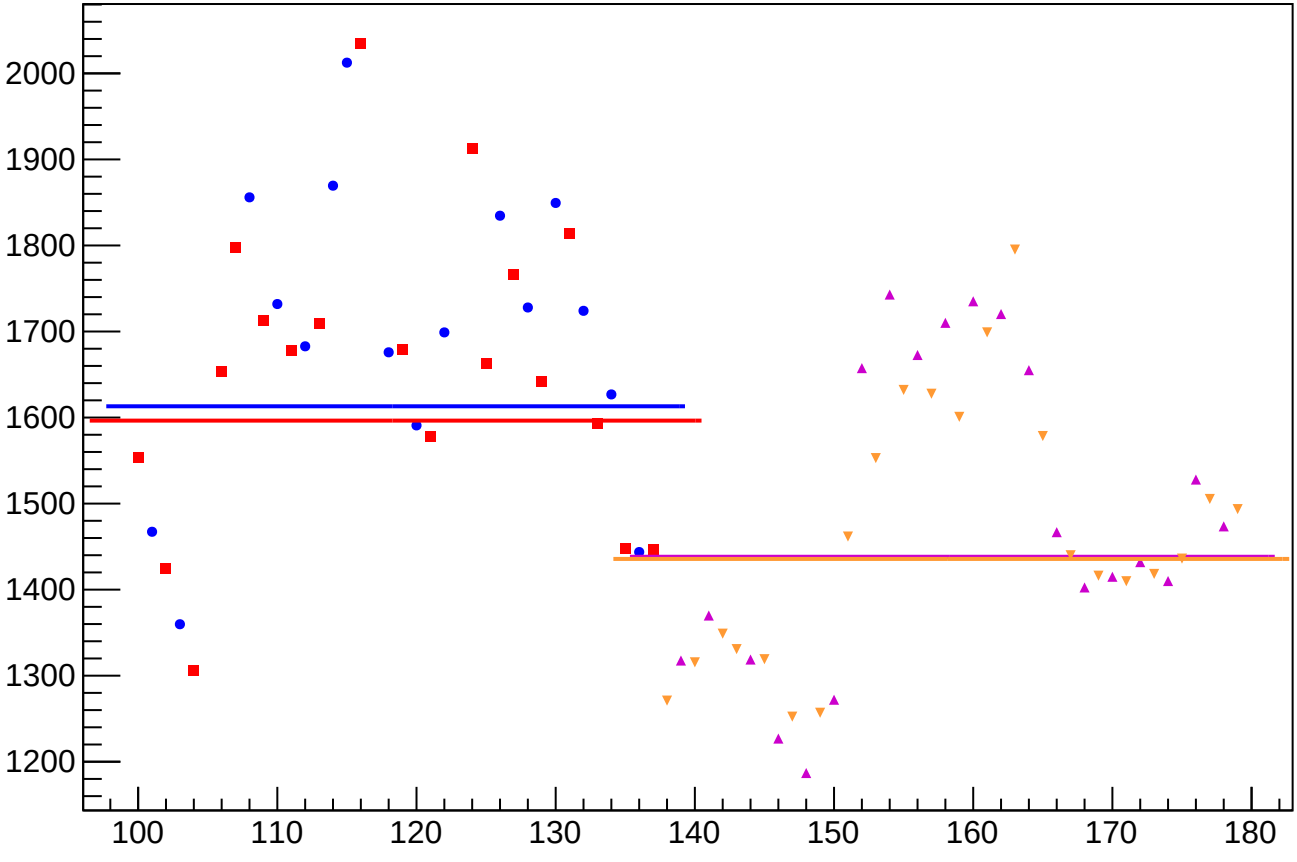
Left In: 13.875+/-0.359 χ^2/NDF:6555.8/19

+ sign 12.714+/-0.300 χ^2/NDF: 8756.8/37

All: 14.995+/-0.214 χ^2/NDF: 18320.1/76

- sign 17.372+/-0.306 χ^2/NDF: 9445.1/38

diff_bpm0i02aY_rms vs Slug



Right In: 1613.094+/-0.426 χ^2/NDF: 154710.6/15

Left Out: 1435.689+/-0.244 χ^2/NDF:334812.7/21

Right Out: 1596.442+/-0.415 χ^2/NDF: 160714.8/18

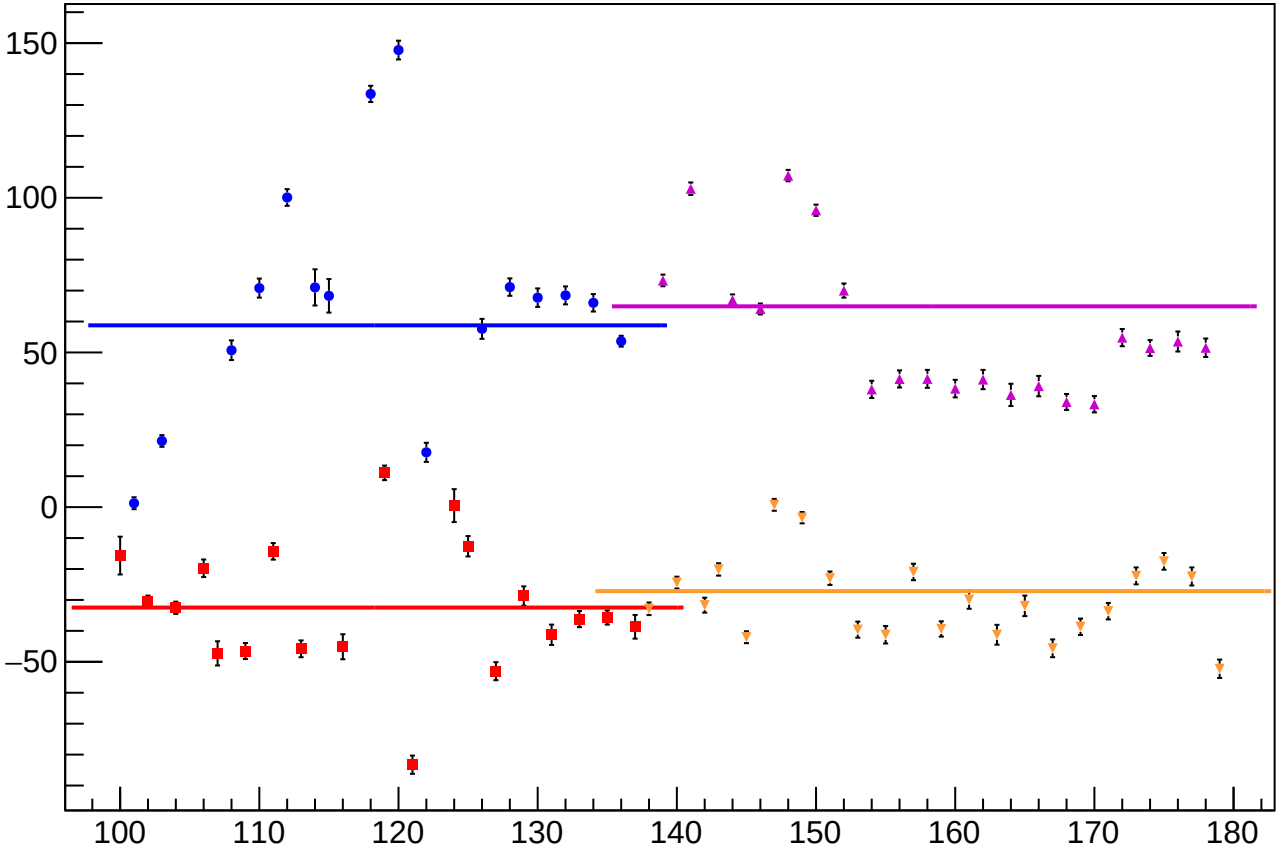
Left In: 1438.200+/-0.254 χ^2/NDF:473599.4/19

+ sign 1479.514+/-0.212 χ^2/NDF: 619812.9/37

All: 1480.396+/-0.151 χ^2/NDF: 1360135.7/76

- sign 1481.317+/-0.216 χ^2/NDF: 740287.3/38

diff_bpm0i05X_mean vs Slug



Right In: 58.761+/-0.672 χ^2/NDF: 3443.3/15

Left Out: -27.163+/-0.515 χ^2/NDF:725.7/21

Right Out: -32.467+/-0.648 χ^2/NDF: 930.8/18

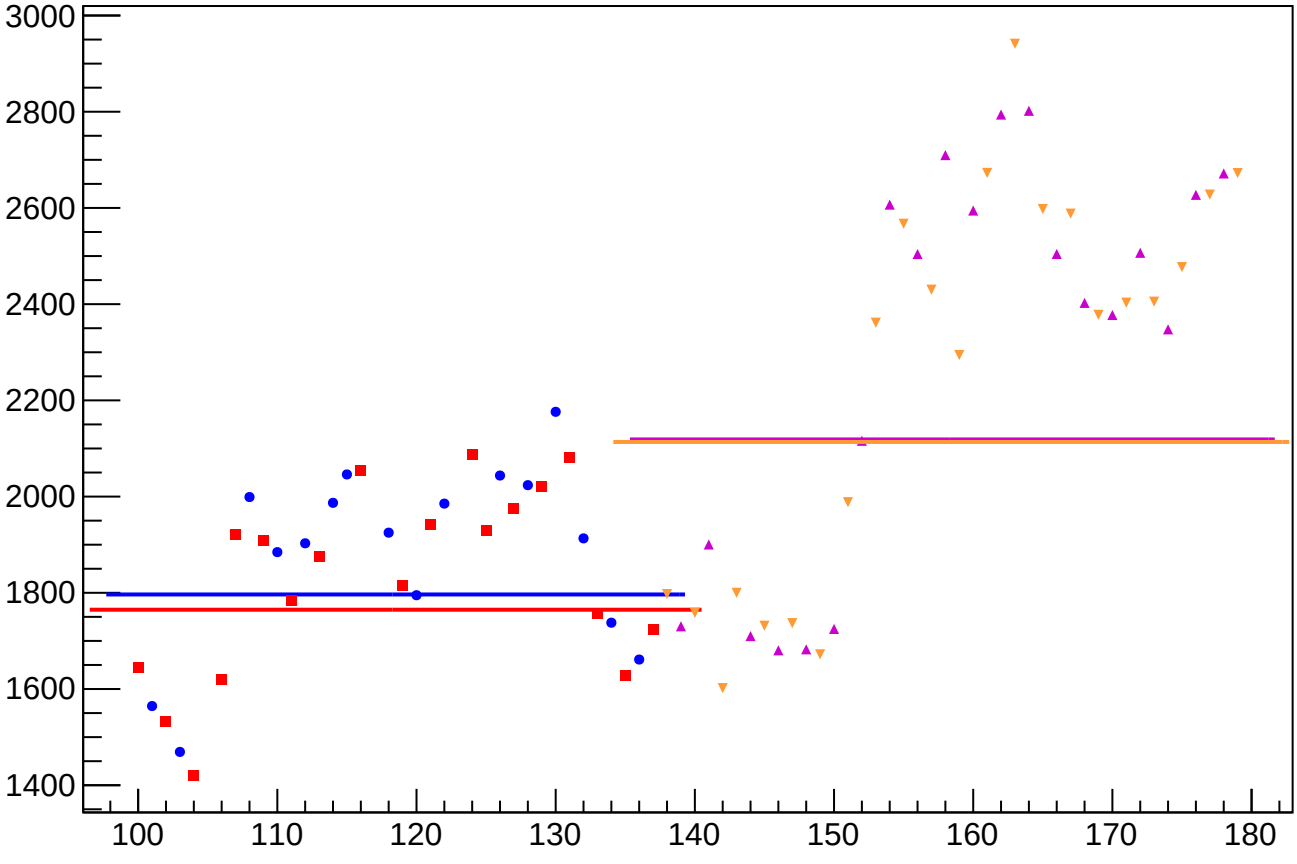
Left In: 64.911+/-0.535 χ^2/NDF:2053.1/19

\+ sign 4.598+/-0.409 χ^2/NDF: 14461.1/37

All: 14.939+/-0.290 χ^2/NDF: 32155.1/76

\- sign 25.474+/-0.413 χ^2/NDF: 16402.5/38

diff_bpm0i05X_rms vs Slug



Right In: 1796.555+/-0.475 χ^2/NDF: 193171.9/15

Left Out: 2113.594+/-0.364 χ^2/NDF:1180356.1/21

Right Out: 1764.860+/-0.459 χ^2/NDF: 189987.9/18

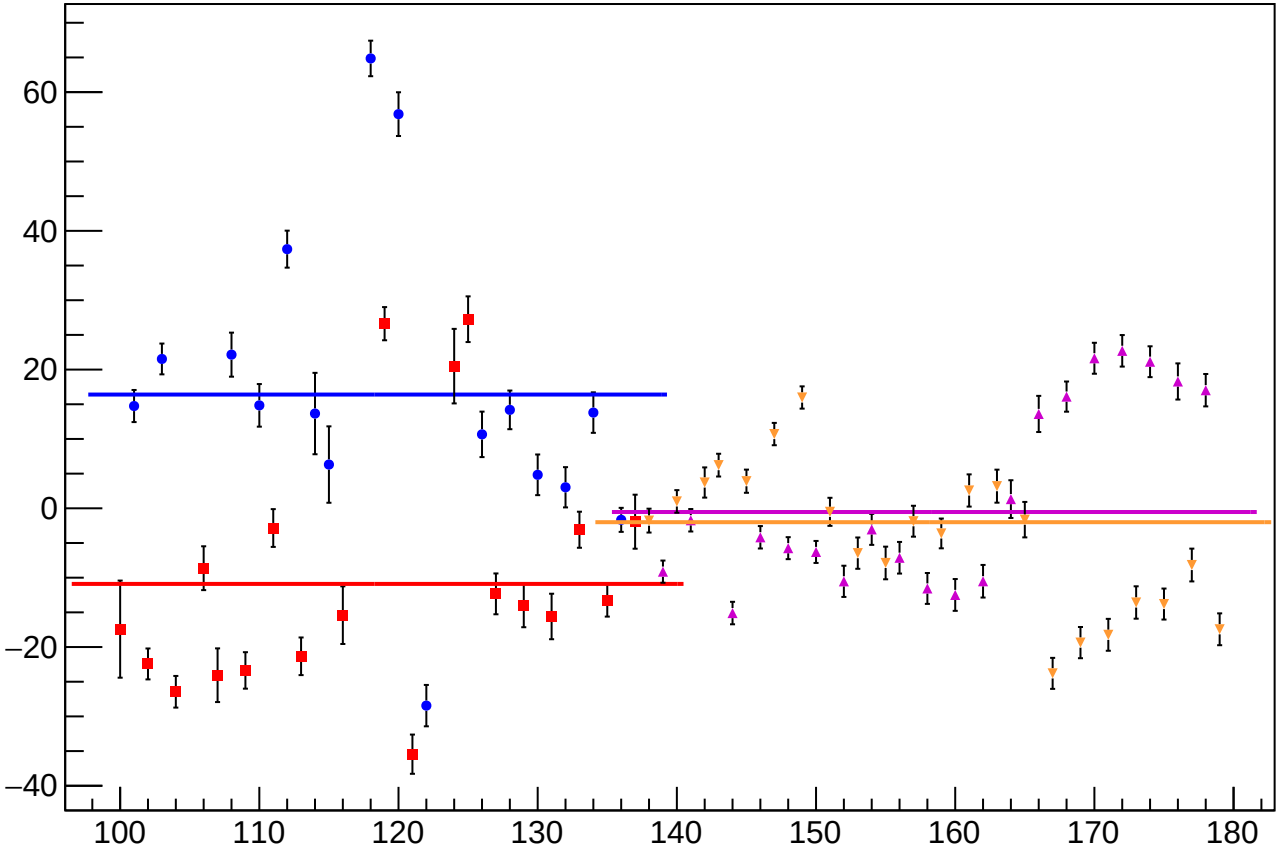
Left In: 2118.772+/-0.378 χ^2/NDF:1187520.9/19

+ sign 1996.406+/-0.289 χ^2/NDF: 1653765.6/37

All: 1986.021+/-0.205 χ^2/NDF: 3388371.5/76

- sign 1975.441+/-0.292 χ^2/NDF: 1732001.0/38

diff_bpm0i05Y_mean vs Slug



Right In: 16.400+/-0.695 χ^2/NDF: 973.0/15

Left Out: -2.000+/-0.433 χ^2/NDF:564.5/21

Right Out: -10.899+/-0.676 χ^2/NDF: 641.7/18

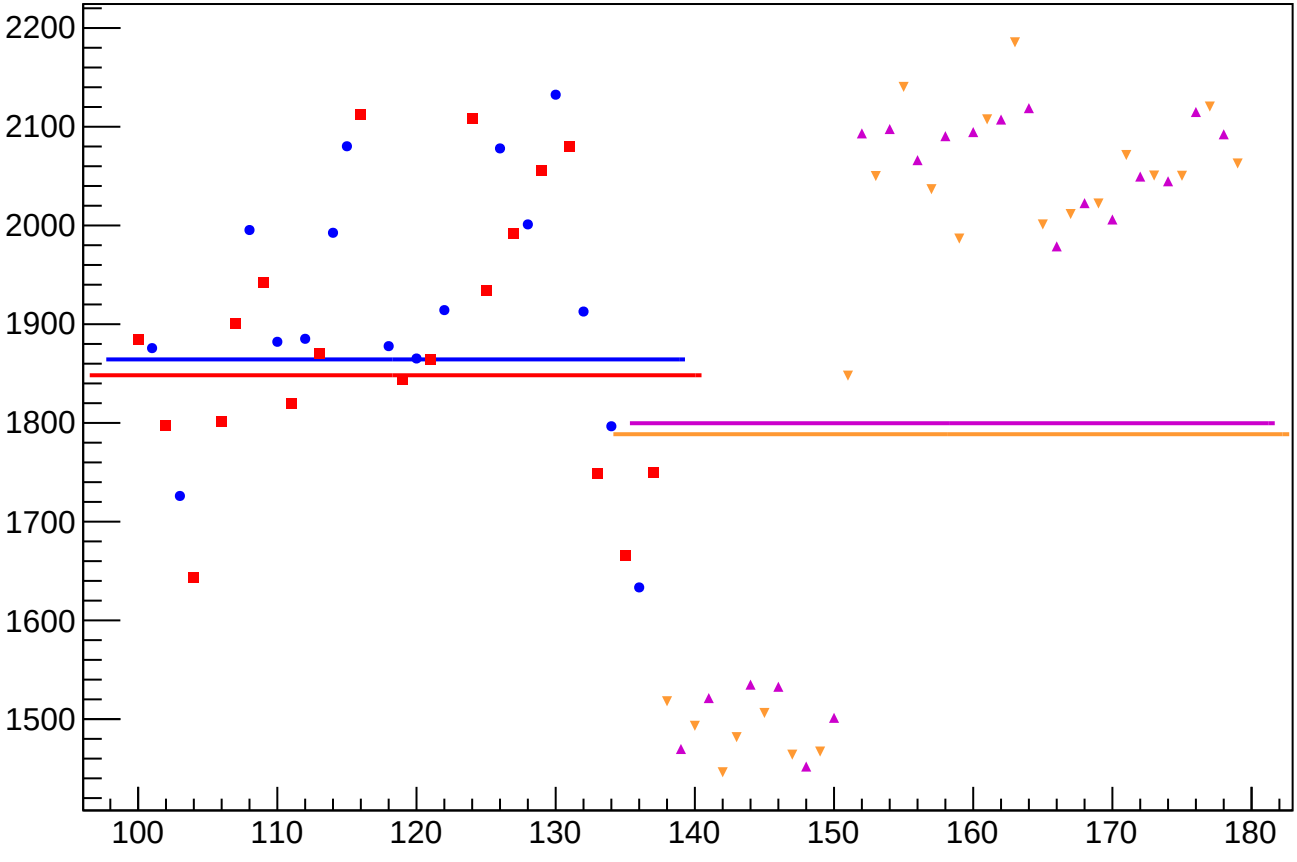
Left In: -0.534+/-0.451 χ^2/NDF:733.6/19

+ sign 3.153+/-0.368 χ^2/NDF: 2042.1/37

All: -0.217+/-0.263 χ^2/NDF: 3751.3/76

- sign -3.725+/-0.375 χ^2/NDF: 1537.9/38

diff_bpm0i05Y_rms vs Slug



Right In: 1864.335+/-0.491 χ^2/NDF: 83311.5/15

Left Out: 1788.574+/-0.306 χ^2/NDF:867800.0/21

Right Out: 1848.284+/-0.478 χ^2/NDF: 74956.9/18

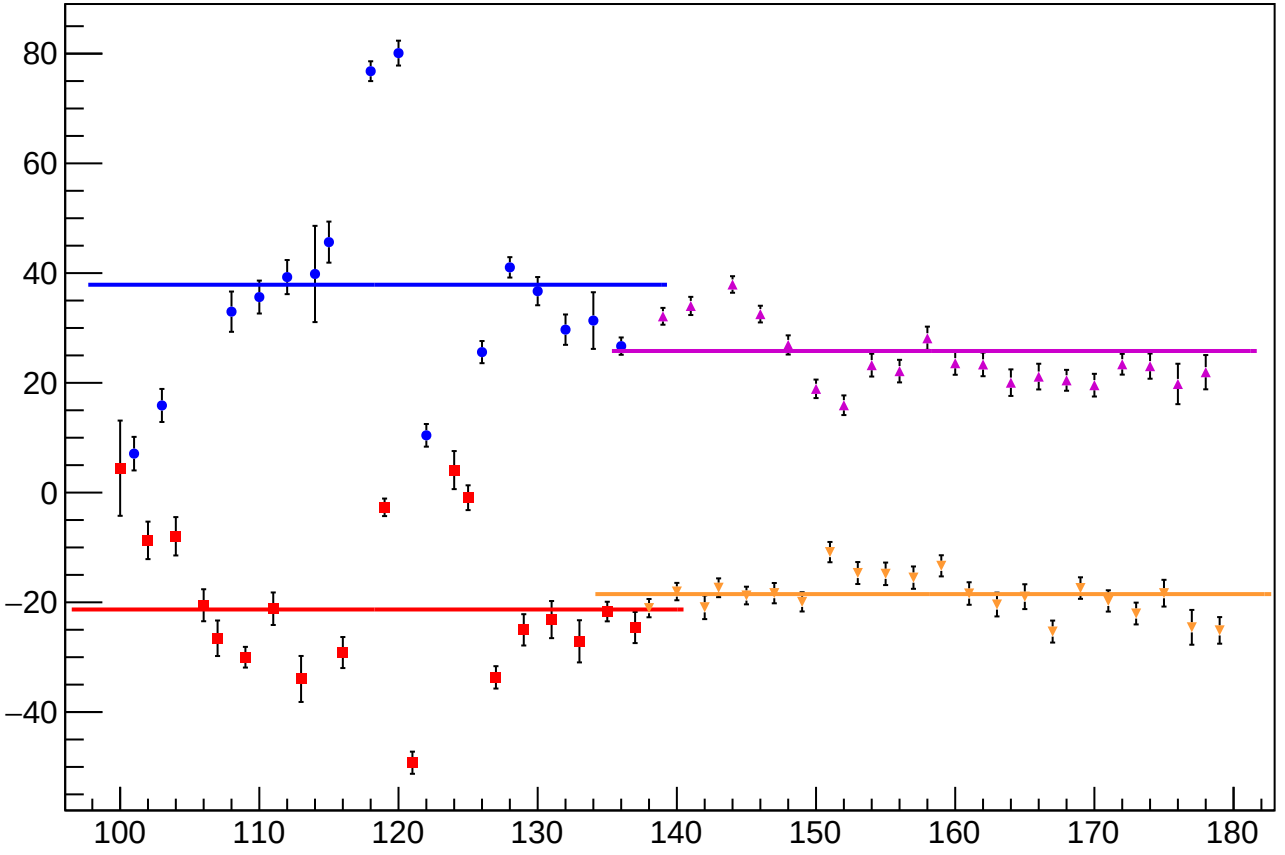
Left In: 1799.697+/-0.319 χ^2/NDF:801897.5/19

+ sign 1809.789+/-0.260 χ^2/NDF: 968223.8/37

All: 1812.174+/-0.186 χ^2/NDF: 1852395.4/76

- sign 1814.656+/-0.265 χ^2/NDF: 884000.0/38

diff_bpm0i07X_mean vs Slug



Right In: 37.880+/-0.622 χ^2/NDF: 1249.8/15

Left Out: -18.501+/-0.418 χ^2/NDF:65.6/21

Right Out: -21.306+/-0.593 χ^2/NDF: 582.6/18

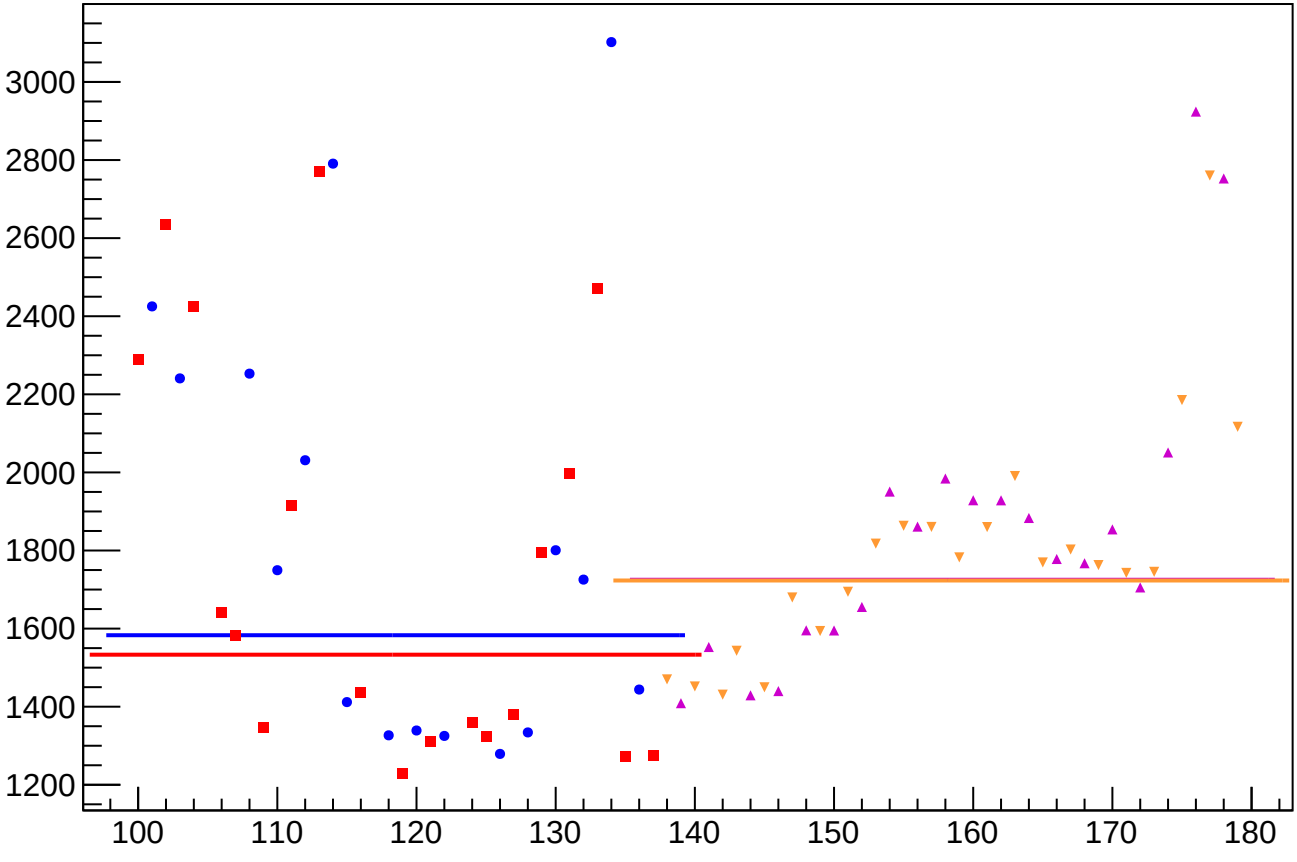
Left In: 25.805+/-0.435 χ^2/NDF:215.5/19

+ sign -0.964+/-0.347 χ^2/NDF: 6969.7/37

All: 4.132+/-0.247 χ^2/NDF: 12308.8/76

- sign 9.331+/-0.351 χ^2/NDF: 4903.6/38

diff_bpm0i07X_rms vs Slug



Right In: 1583.050+/-0.440 χ^2/NDF: 787672.4/15

Left Out: 1723.205+/-0.296 χ^2/NDF:641746.8/21

Right Out: 1533.190+/-0.419 χ^2/NDF: 950777.4/18

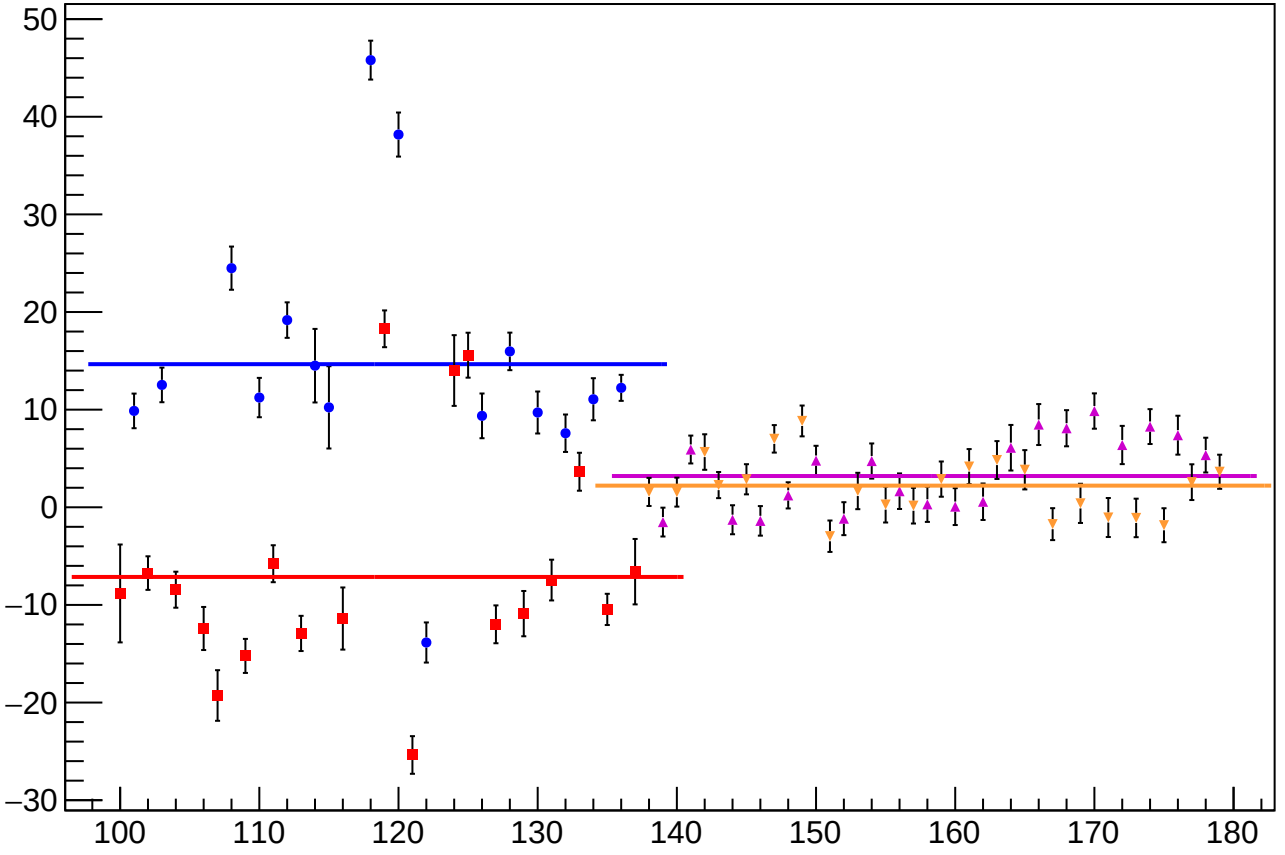
Left In: 1725.099+/-0.307 χ^2/NDF:865872.5/19

+ sign 1679.611+/-0.245 χ^2/NDF: 1499299.5/37

All: 1668.911+/-0.174 χ^2/NDF: 3456039.2/76

- sign 1657.992+/-0.248 χ^2/NDF: 1952899.5/38

diff_bpm0i07Y_mean vs Slug



Right In: 14.658+/-0.504 χ^2/NDF: 614.8/15

Left Out: 2.218+/-0.363 χ^2/NDF:68.2/21

Right Out: -7.135+/-0.483 χ^2/NDF: 509.4/18

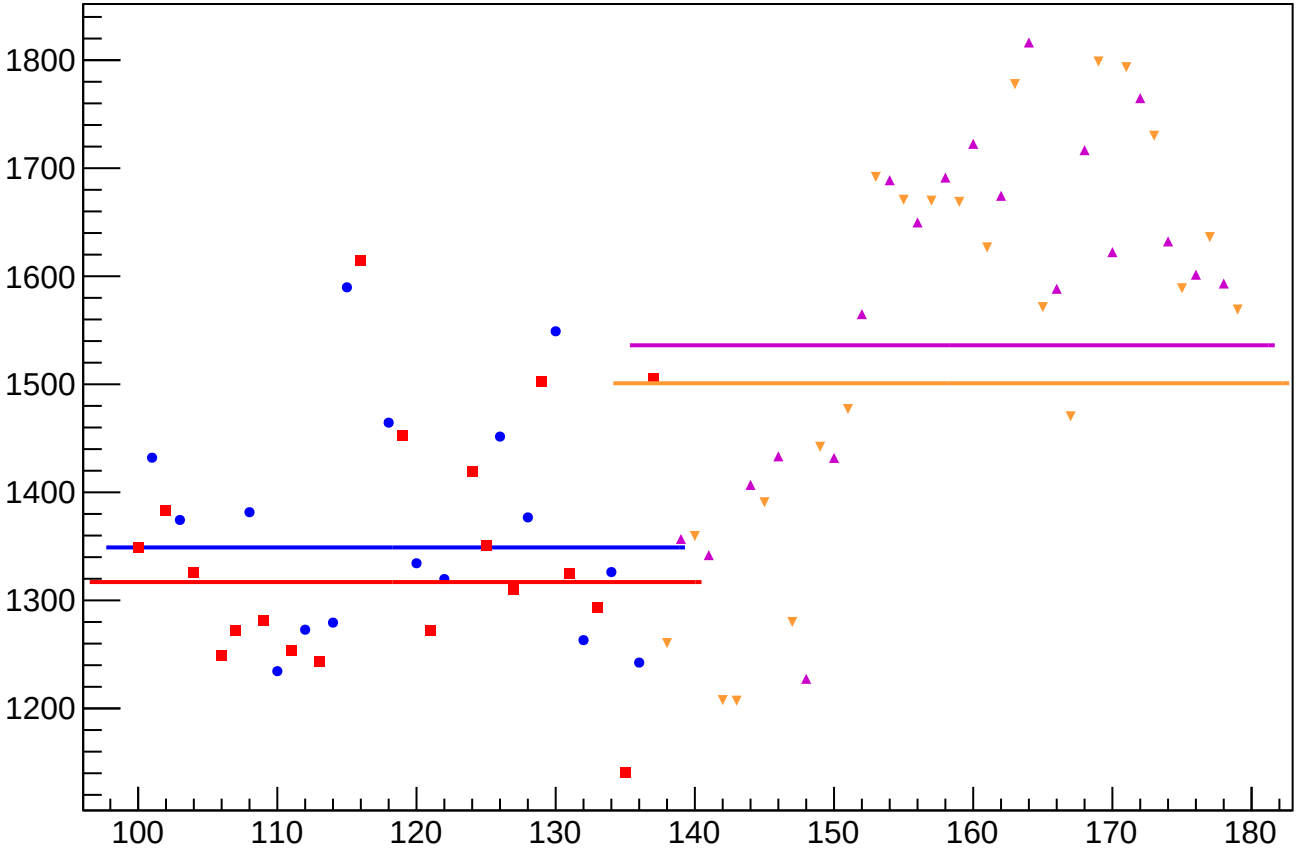
Left In: 3.203+/-0.383 χ^2/NDF:95.8/19

+ sign 6.454+/-0.294 χ^2/NDF: 1084.0/37

All: 2.904+/-0.210 χ^2/NDF: 2266.9/76

- sign -0.786+/-0.300 χ^2/NDF: 886.3/38

diff_bpm0i07Y_rms vs Slug



Right In: 1349.000+/-0.357 χ^2/NDF: 68383.7/15

Left Out: 1500.966+/-0.256 χ^2/NDF:544256.0/21

Right Out: 1316.961+/-0.342 χ^2/NDF: 86873.7/18

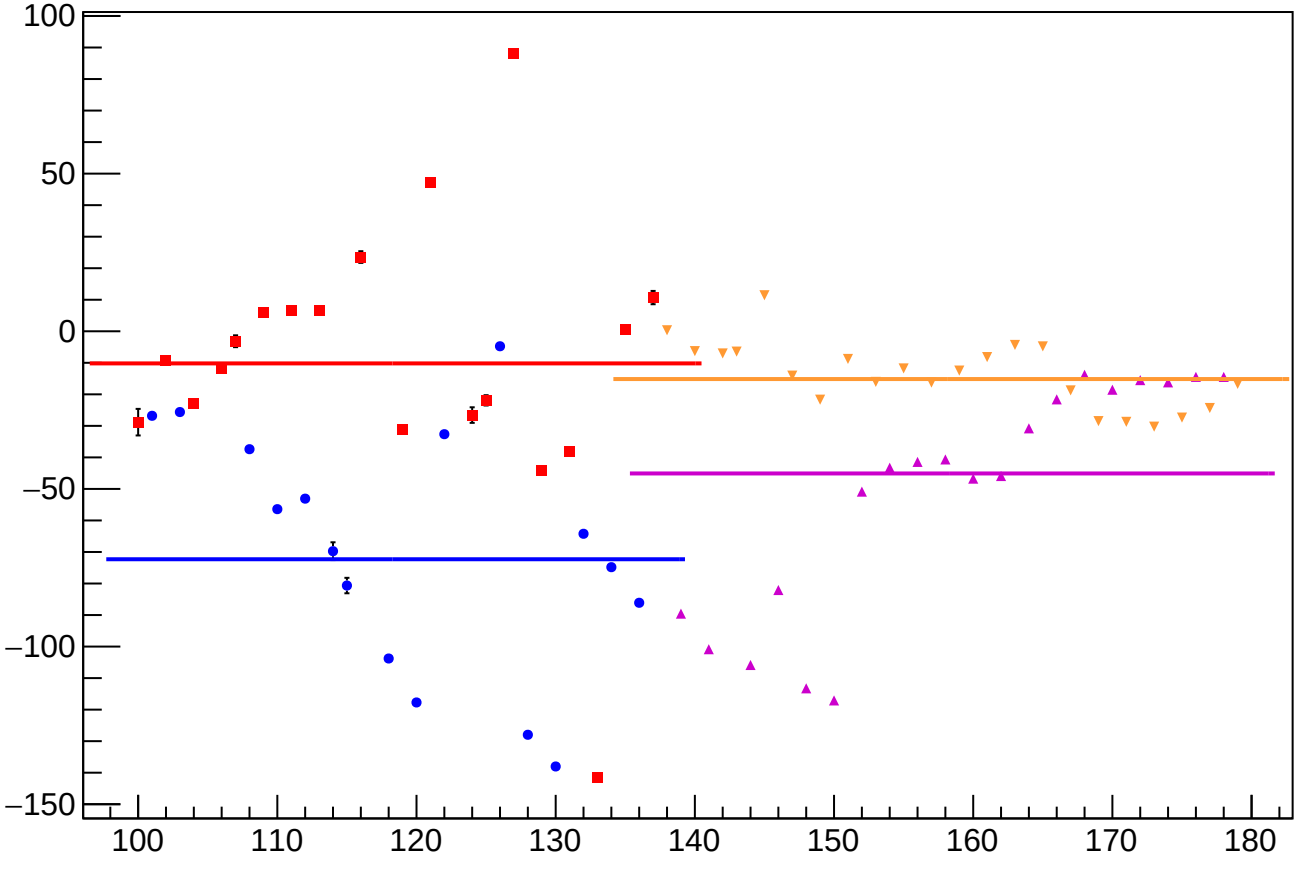
Left In: 1536.102+/-0.271 χ^2/NDF:365401.9/19

\+ sign 1449.215+/-0.208 χ^2/NDF: 732311.7/37

All: 1450.355+/-0.149 χ^2/NDF: 1437295.7/76

\- sign 1451.539+/-0.212 χ^2/NDF: 704922.8/38

diff_bpm1i02X_mean vs Slug



Right In: -72.304+/-0.349 χ^2/NDF: 12153.8/15

Left Out: -15.152+/-0.194 χ^2/NDF:2784.6/21

Right Out: -10.188+/-0.345 χ^2/NDF: 19045.9/18

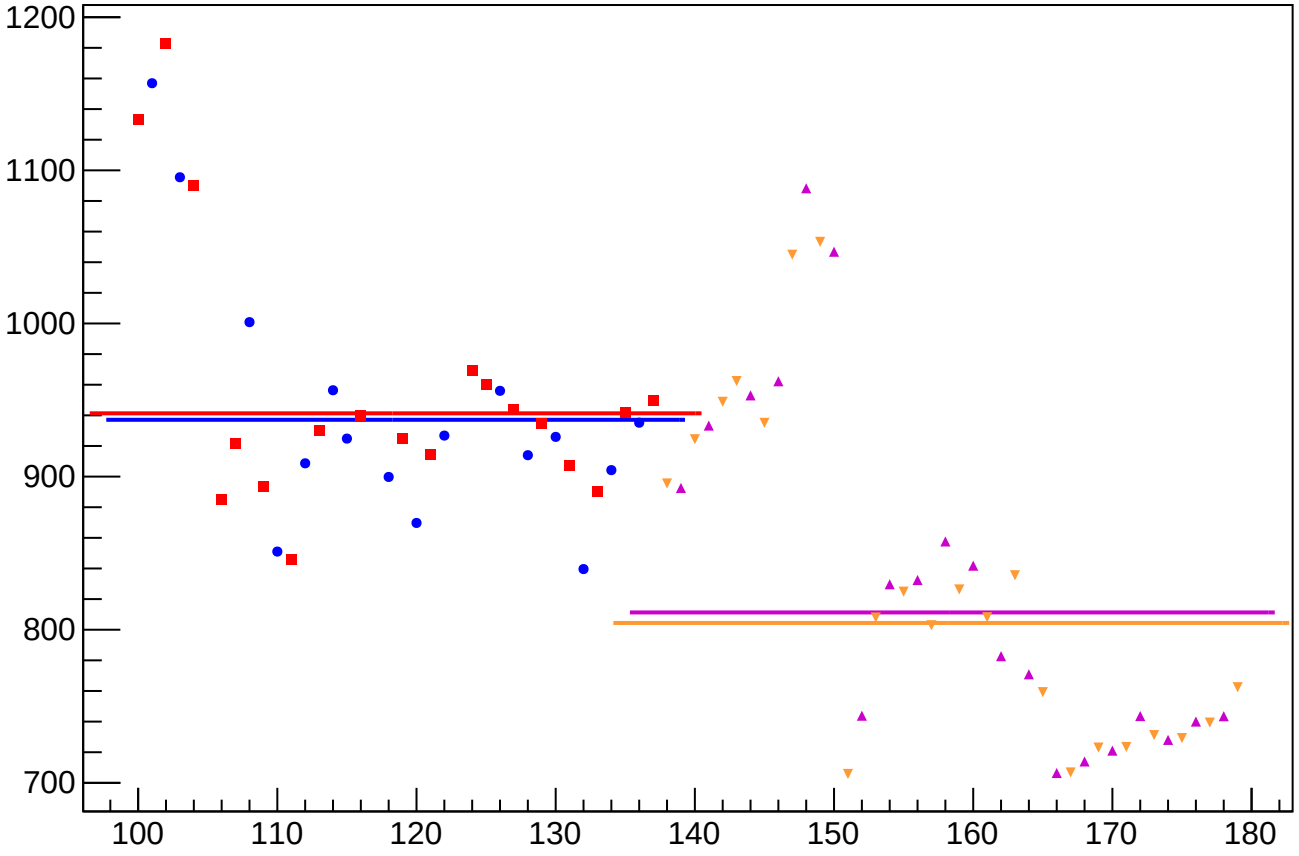
Left In: -45.093+/-0.202 χ^2/NDF:26598.5/19

+ sign -28.600+/-0.170 χ^2/NDF: 35392.1/37

All: -32.259+/-0.122 χ^2/NDF: 89626.3/76

- sign -36.137+/-0.175 χ^2/NDF: 53274.4/38

diff_bpm1i02X_rms vs Slug



Right In: 937.097+/-0.247 χ^2/NDF: 104660.4/15

Left Out: 804.426+/-0.137 χ^2/NDF:486034.4/21

Right Out: 941.323+/-0.244 χ^2/NDF: 101031.2/18

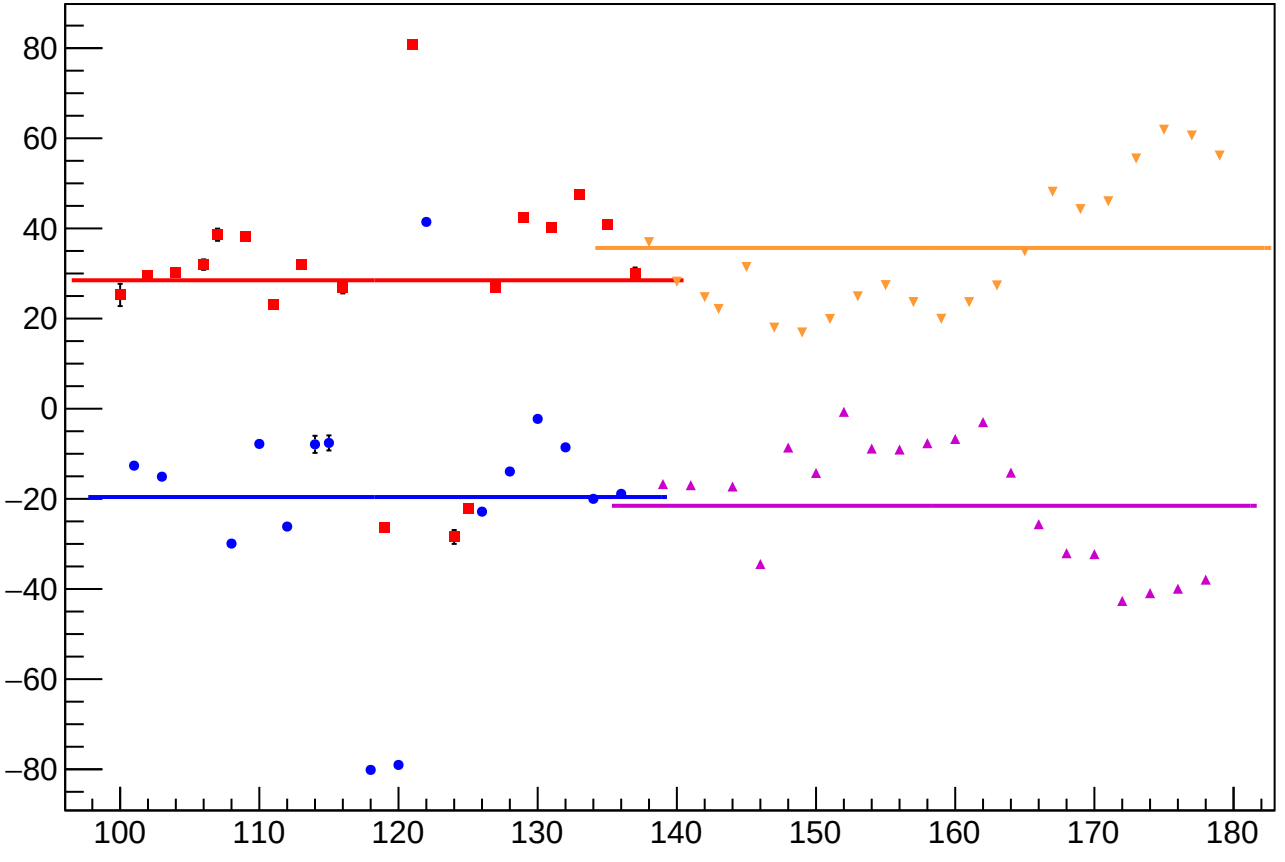
Left In: 811.289+/-0.143 χ^2/NDF:500967.5/19

\+ sign 835.644+/-0.120 χ^2/NDF: 811136.2/37

All: 840.017+/-0.086 χ^2/NDF: 1627670.0/76

\- sign 844.652+/-0.123 χ^2/NDF: 813791.9/38

diff_bpm1i02Y_mean vs Slug



Right In: -19.597+/-0.234 χ^2/NDF: 13170.1/15

Left Out: 35.670+/-0.153 χ^2/NDF:9295.0/21

Right Out: 28.496+/-0.230 χ^2/NDF: 12971.2/18

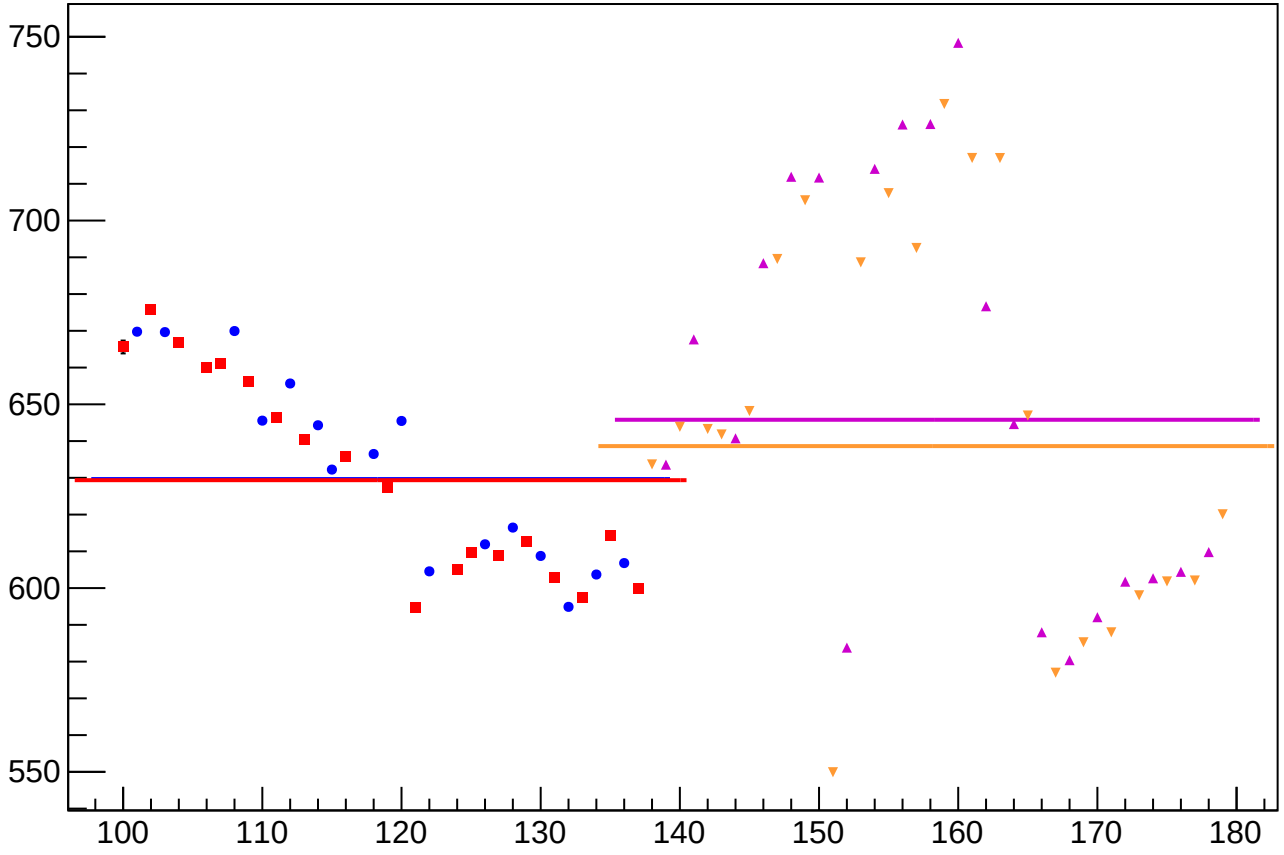
Left In: -21.537+/-0.161 χ^2/NDF:7395.5/19

+ sign 19.063+/-0.128 χ^2/NDF: 61467.4/37

All: 7.277+/-0.092 χ^2/NDF: 131030.8/76

- sign -5.118+/-0.132 χ^2/NDF: 52248.9/38

diff_bpm1i02Y_rms vs Slug



Right In: 629.660+/-0.166 χ^2/NDF: 25315.5/15

Left Out: 638.632+/-0.108 χ^2/NDF:235203.1/21

Right Out: 629.361+/-0.162 χ^2/NDF: 26791.2/18

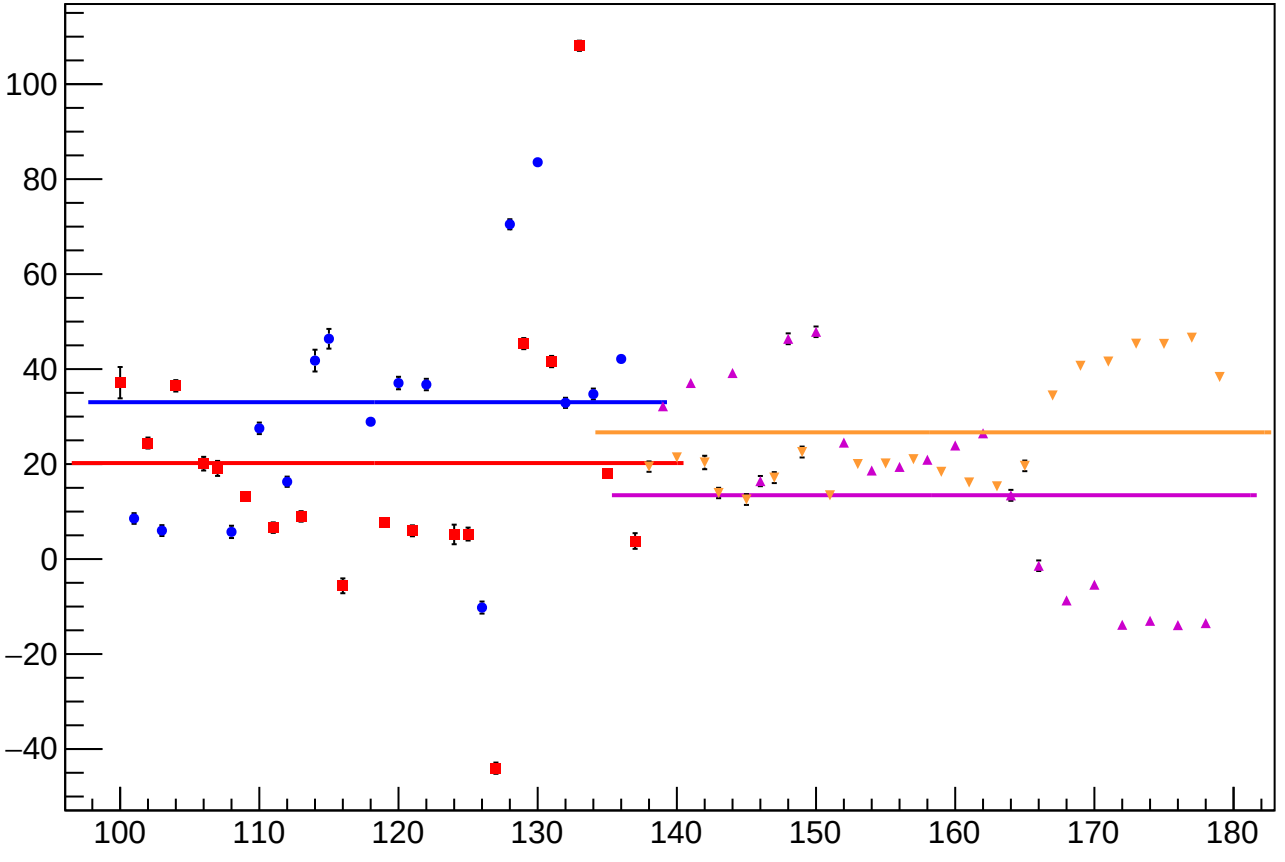
Left In: 645.799+/-0.114 χ^2/NDF:226255.8/19

+ sign 635.936+/-0.091 χ^2/NDF: 262574.4/37

All: 638.114+/-0.065 χ^2/NDF: 523686.4/76

- sign 640.405+/-0.093 χ^2/NDF: 259929.5/38

diff_bpm1i04X_mean vs Slug



Right In: 33.033+/-0.289 χ^2/NDF: 6700.1/15

Left Out: 26.684+/-0.219 χ^2/NDF:3013.3/21

Right Out: 20.215+/-0.286 χ^2/NDF: 11869.7/18

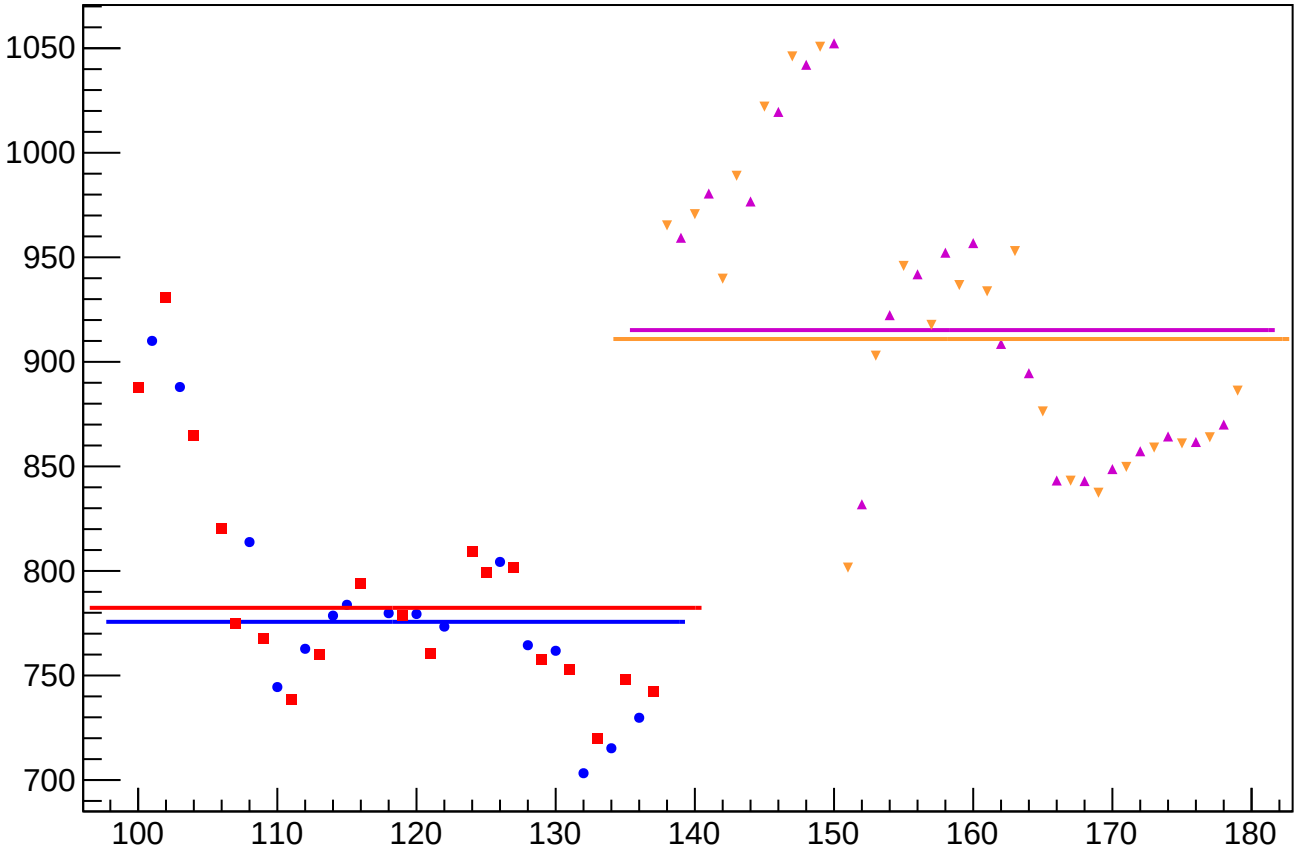
Left In: 13.445+/-0.227 χ^2/NDF:8020.0/19

\+ sign 28.995+/-0.174 χ^2/NDF: 10020.6/37

All: 22.661+/-0.124 χ^2/NDF: 32950.2/76

\- sign 16.064+/-0.178 χ^2/NDF: 20233.4/38

diff_bpm1i04X_rms vs Slug



Right In: 775.664+/-0.204 χ^2/NDF: 74660.0/15

Left Out: 910.930+/-0.155 χ^2/NDF:188713.1/21

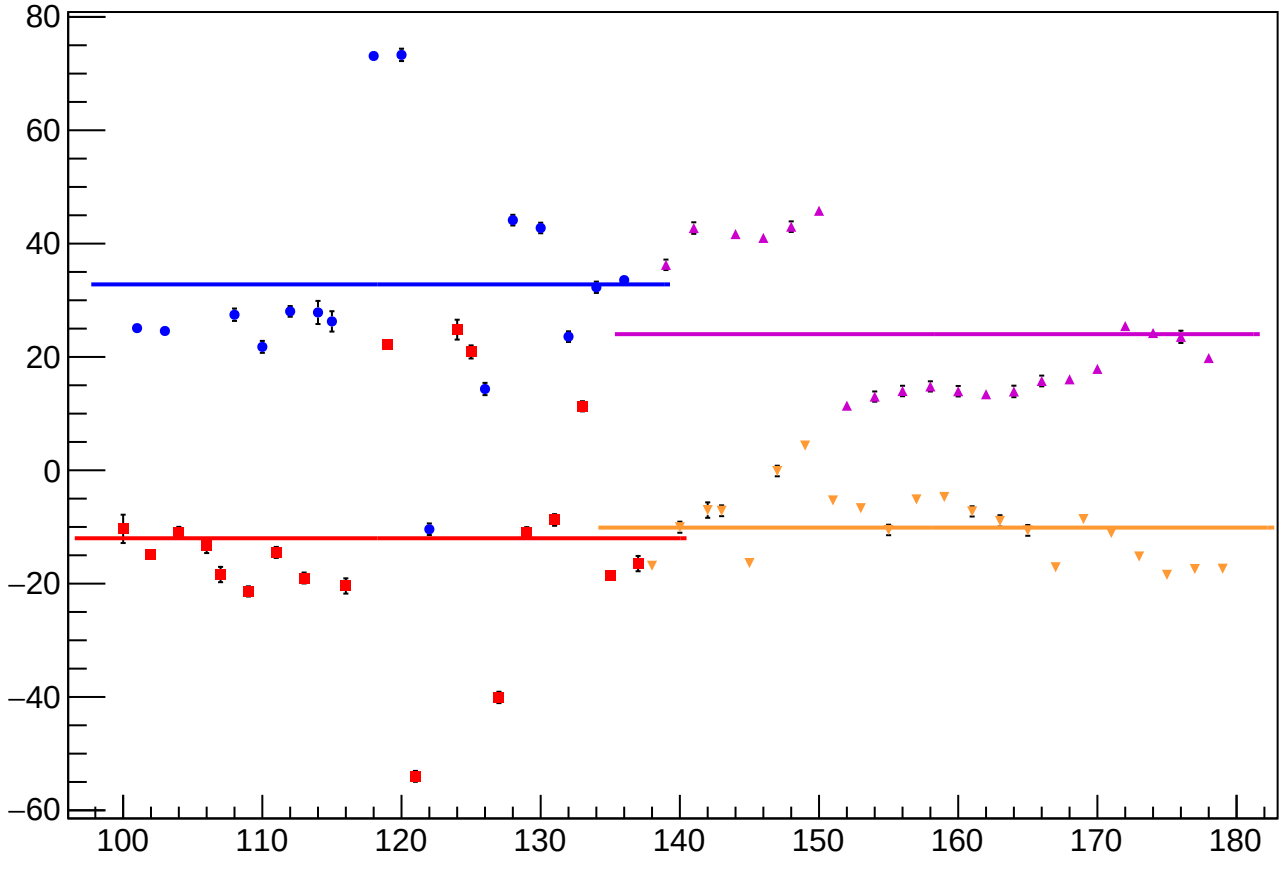
Right Out: 782.358+/-0.202 χ^2/NDF: 64566.3/18

Left In: 915.196+/-0.161 χ^2/NDF:171643.6/19

+ sign 861.703+/-0.123 χ^2/NDF: 542240.5/37

All: 862.731+/-0.088 χ^2/NDF: 1043201.2/76

- sign 863.801+/-0.126 χ^2/NDF: 500818.7/38



Right In: 32.804+/-0.244 χ^2/NDF: 6259.3/15

Left Out: -10.114+/-0.187 χ^2/NDF:1011.9/21

Right Out: -11.994+/-0.241 χ^2/NDF: 6559.7/18

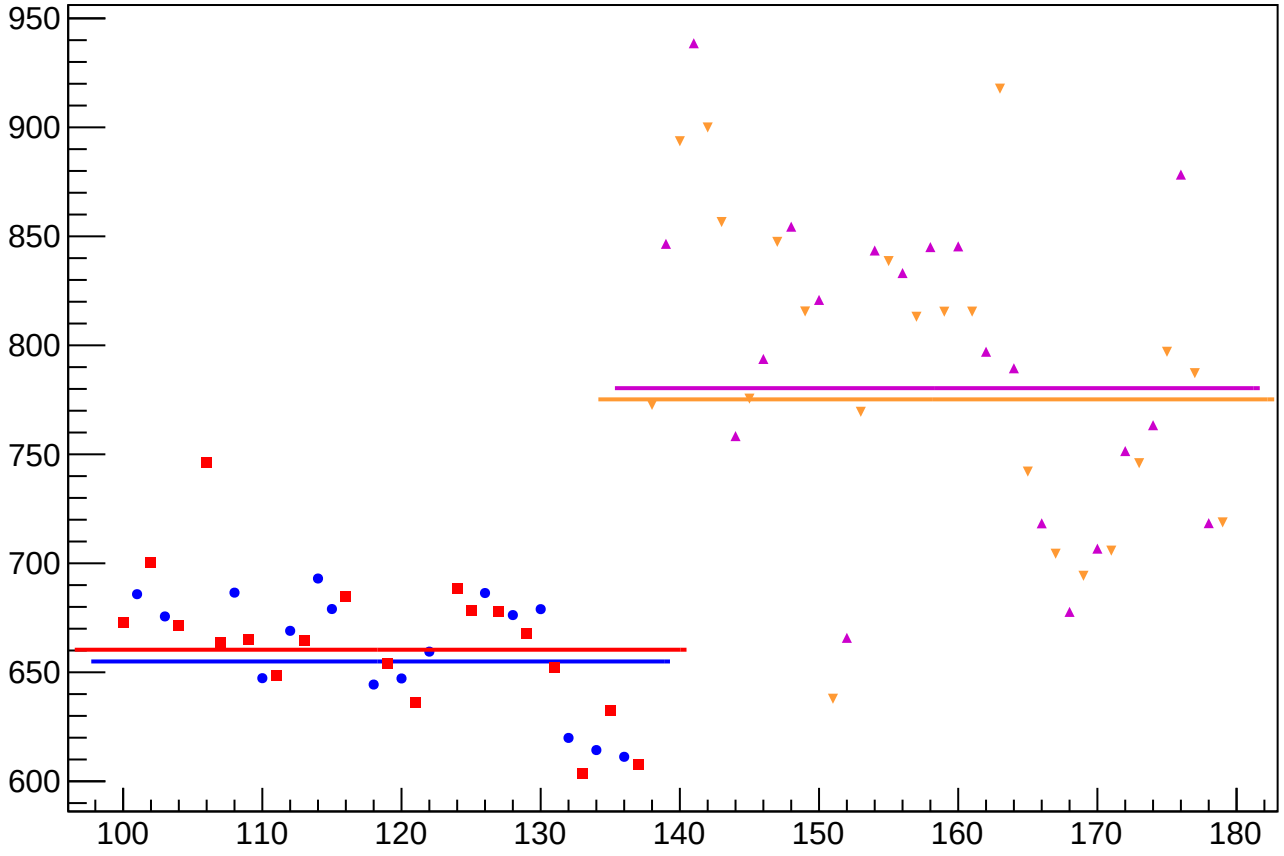
Left In: 24.022+/-0.194 χ^2/NDF:3771.4/19

+ sign 5.767+/-0.148 χ^2/NDF: 26838.1/37

All: 7.755+/-0.106 χ^2/NDF: 51055.5/76

- sign 9.829+/-0.151 χ^2/NDF: 23849.5/38

diff_bpm1i04Y_rms vs Slug



Right In: 654.970+/-0.172 χ^2/NDF: 26744.4/15

Left Out: 775.211+/-0.132 χ^2/NDF:287428.5/21

Right Out: 660.355+/-0.171 χ^2/NDF: 30417.5/18

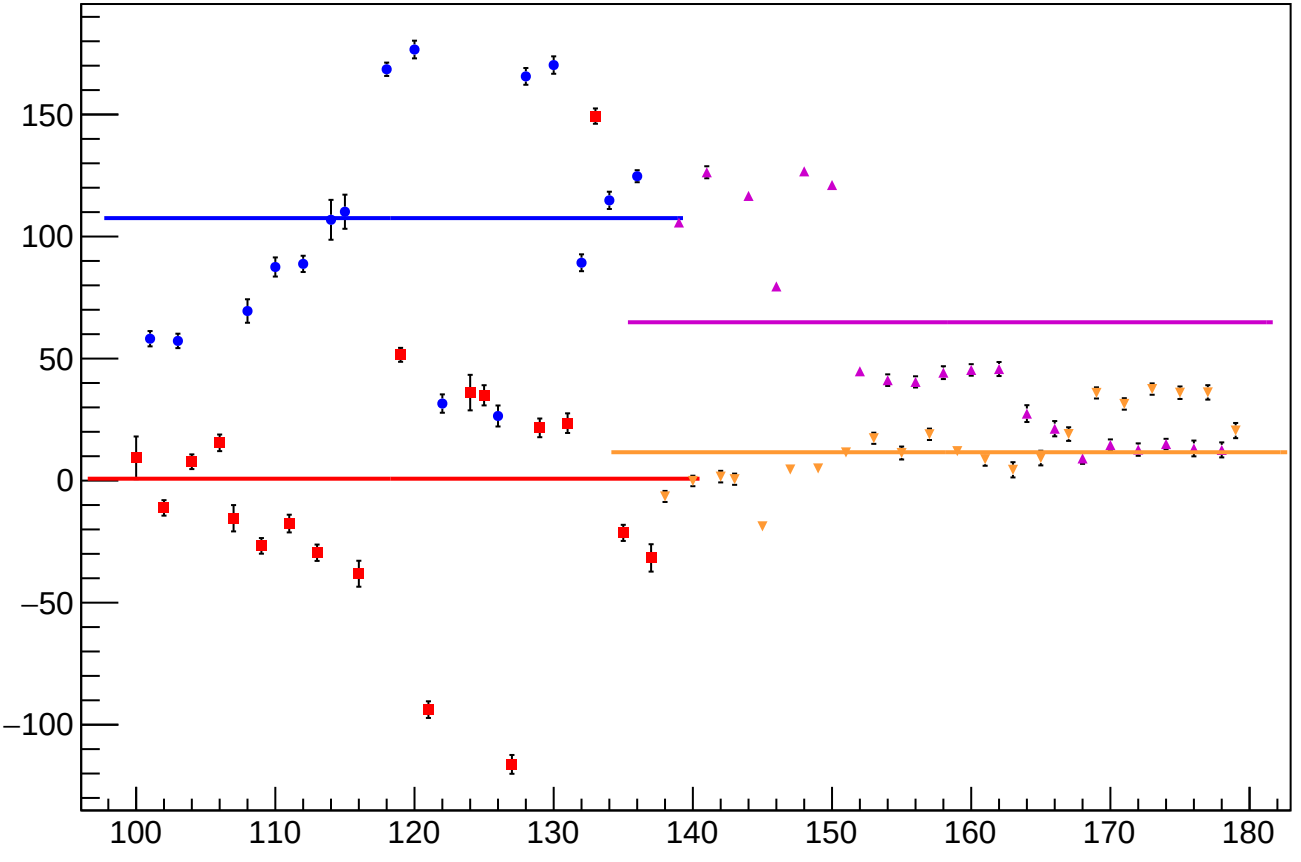
Left In: 780.352+/-0.138 χ^2/NDF:262587.5/19

+ sign 730.717+/-0.105 χ^2/NDF: 621349.4/37

All: 731.865+/-0.075 χ^2/NDF: 1214725.7/76

- sign 733.064+/-0.107 χ^2/NDF: 593130.6/38

diff_bpm1i06X_mean vs Slug



Right In: 107.548+/-0.885 χ^2/NDF: 2955.8/15

Left Out: 11.634+/-0.491 χ^2/NDF:910.7/21

Right Out: 0.788+/-0.861 χ^2/NDF: 4763.9/18

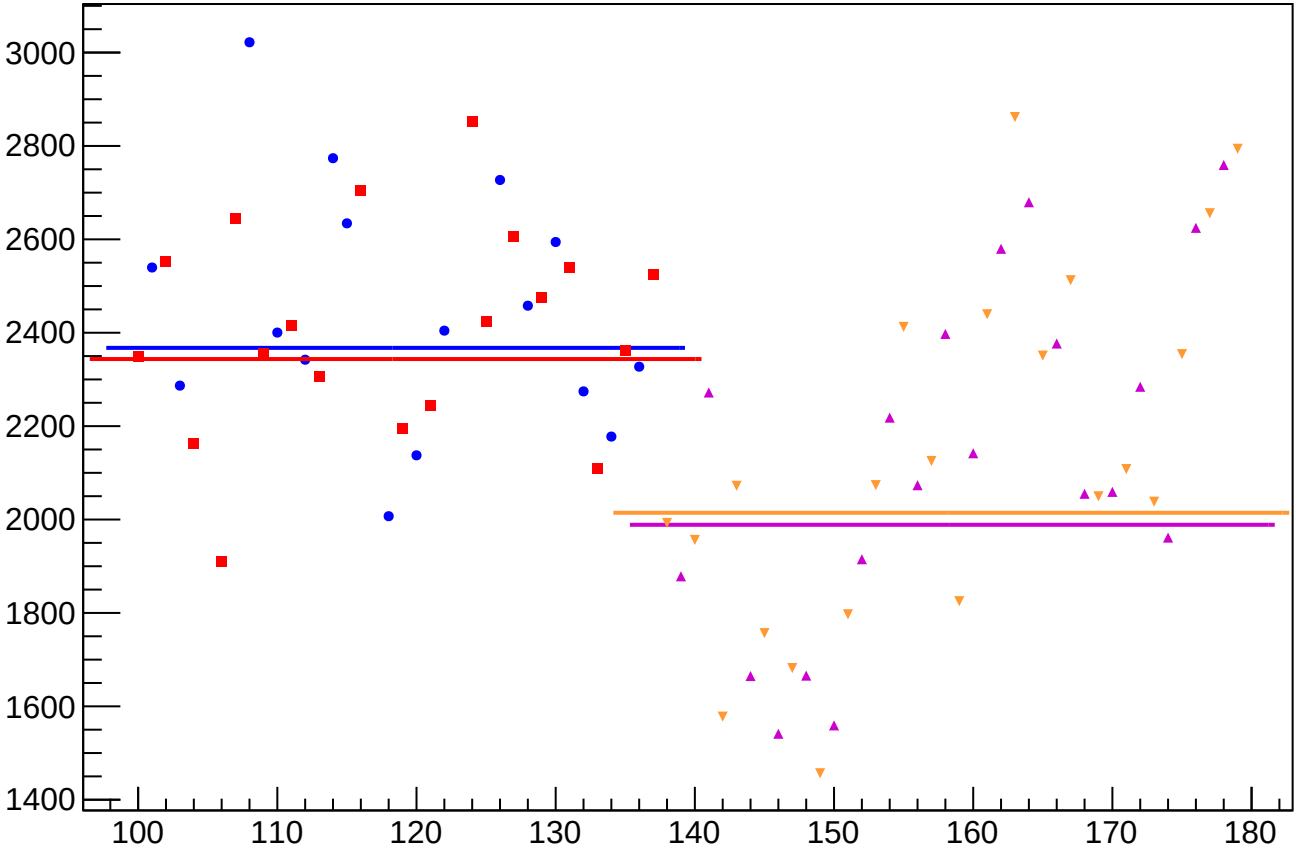
Left In: 64.879+/-0.503 χ^2/NDF:7644.7/19

+ sign 34.186+/-0.429 χ^2/NDF: 12843.7/37

All: 41.307+/-0.305 χ^2/NDF: 29942.8/76

- sign 48.585+/-0.434 χ^2/NDF: 16542.8/38

diff_bpm1i06X_rms vs Slug



Right In: 2367.633+/-0.626 χ^2/NDF: 126764.1/15

Left Out: 2014.502+/-0.347 χ^2/NDF:1049310.8/21

Right Out: 2343.704+/-0.609 χ^2/NDF: 112274.4/18

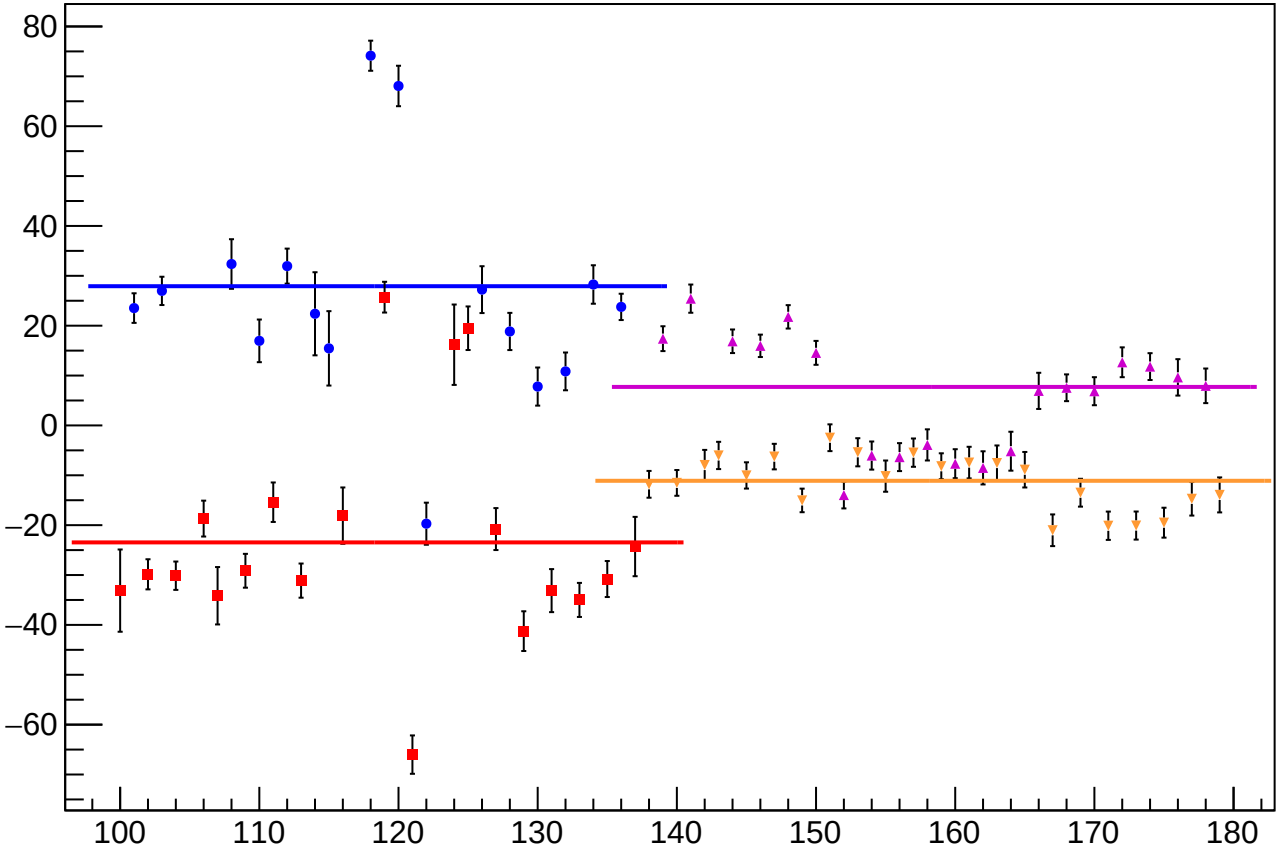
Left In: 1988.751+/-0.355 χ^2/NDF:956223.2/19

+ sign 2097.533+/-0.304 χ^2/NDF: 1419448.2/37

All: 2088.365+/-0.216 χ^2/NDF: 2743390.0/76

- sign 2078.992+/-0.307 χ^2/NDF: 1322097.0/38

diff_bpm1i06Y_mean vs Slug



Right In: 27.916+/-0.937 χ^2/NDF: 530.7/15

Left Out: -11.103+/-0.613 χ^2/NDF:74.0/21

Right Out: -23.457+/-0.903 χ^2/NDF: 567.9/18

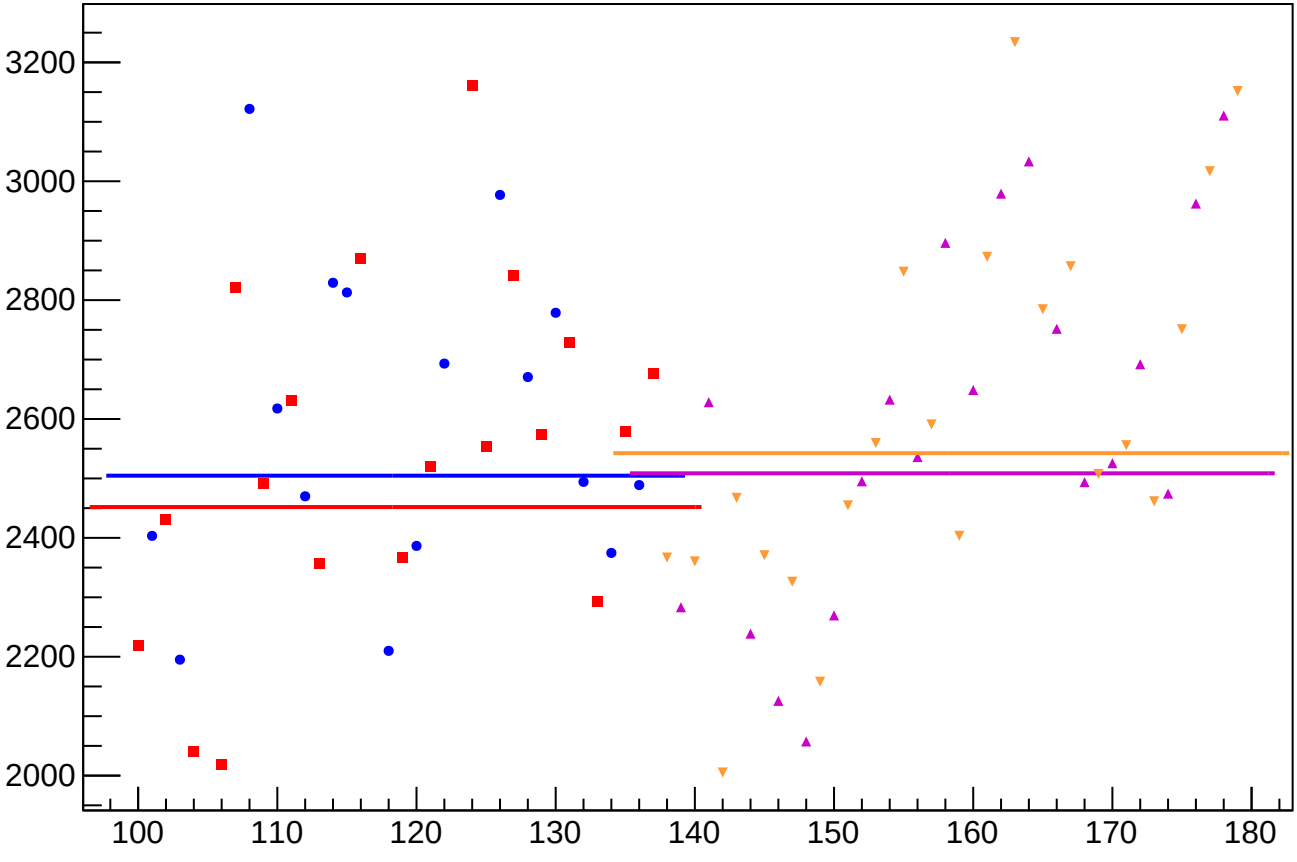
Left In: 7.721+/-0.628 χ^2/NDF:323.2/19

+ sign 0.591+/-0.513 χ^2/NDF: 1819.8/37

All: -0.919+/-0.364 χ^2/NDF: 3532.4/76

- sign -2.444+/-0.515 χ^2/NDF: 1695.2/38

diff_bpm1i06Y_rms vs Slug



Right In: 2504.654+/-0.662 χ^2/NDF: 126599.1/15

Left Out: 2542.490+/-0.433 χ^2/NDF:425284.3/21

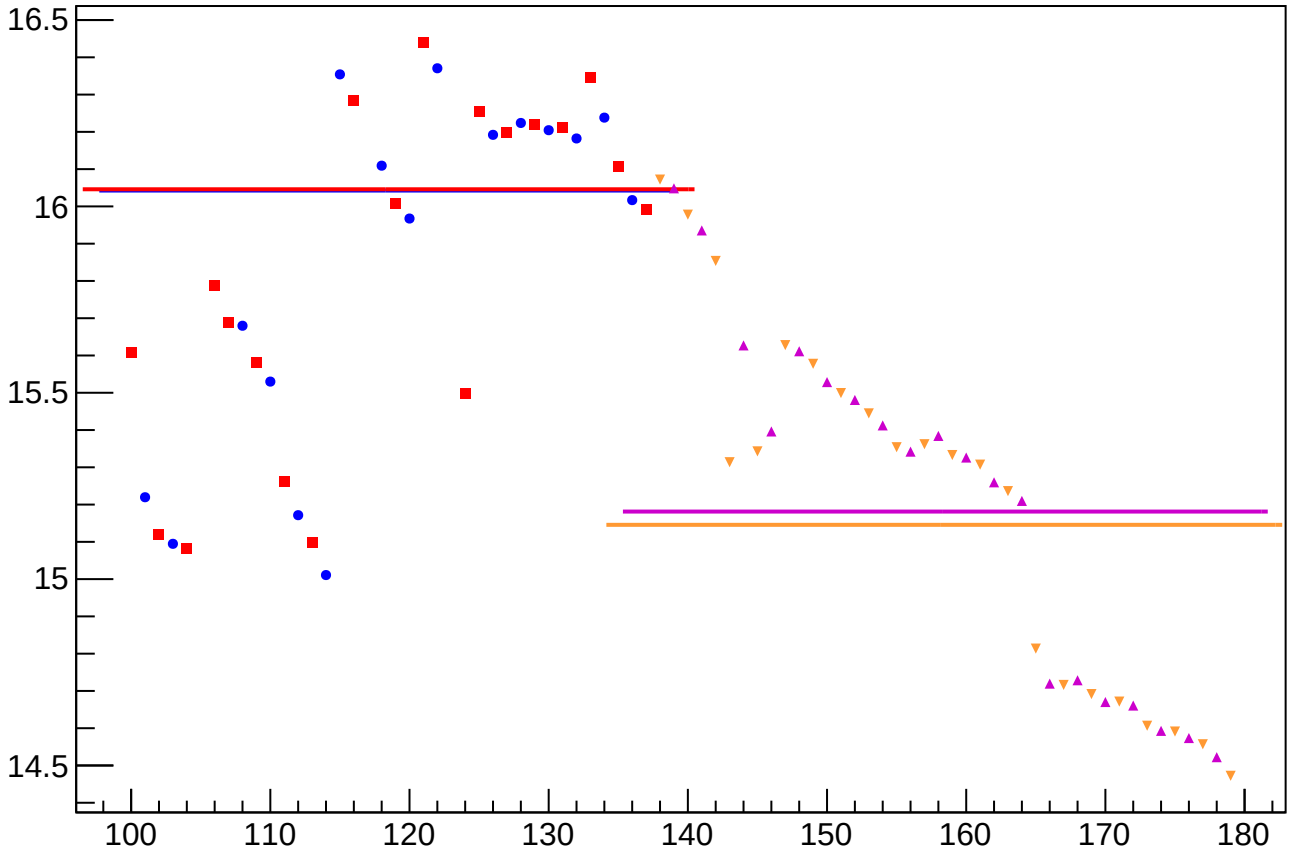
Right Out: 2451.880+/-0.638 χ^2/NDF: 153237.1/18

Left In: 2508.607+/-0.444 χ^2/NDF:421788.7/19

+ sign 2531.151+/-0.363 χ^2/NDF: 554168.3/37

All: 2510.734+/-0.257 χ^2/NDF: 1140890.4/76

- sign 2490.113+/-0.364 χ^2/NDF: 580350.0/38



Right In: 16.043+/-0.000 χ^2/NDF: 2840540588.4/15

Left Out: 15.146+/-0.000 χ^2/NDF:36337318944.8/21

Right Out: 16.046+/-0.000 χ^2/NDF: 3552158387.5/18

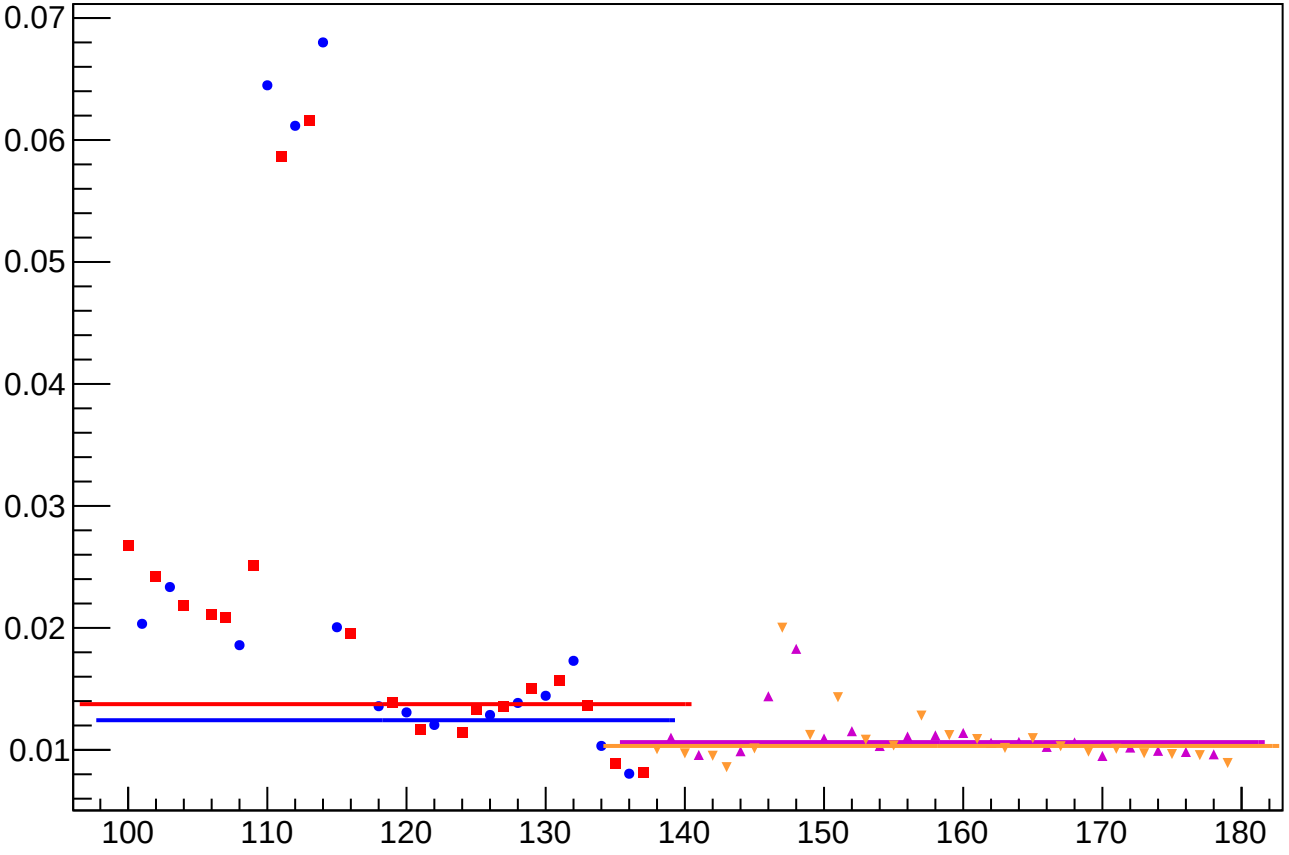
Left In: 15.181+/-0.000 χ^2/NDF:30862693908.9/19

+ sign 15.315+/-0.000 χ^2/NDF: 62428572928.6/37

All: 15.326+/-0.000 χ^2/NDF: 115297216333.

- sign 15.339+/-0.000 χ^2/NDF: 52818471779.2/38

yield_sam1_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 2316842.7/15

Left Out: 0.010+/-0.000 χ^2/NDF:729675.7/21

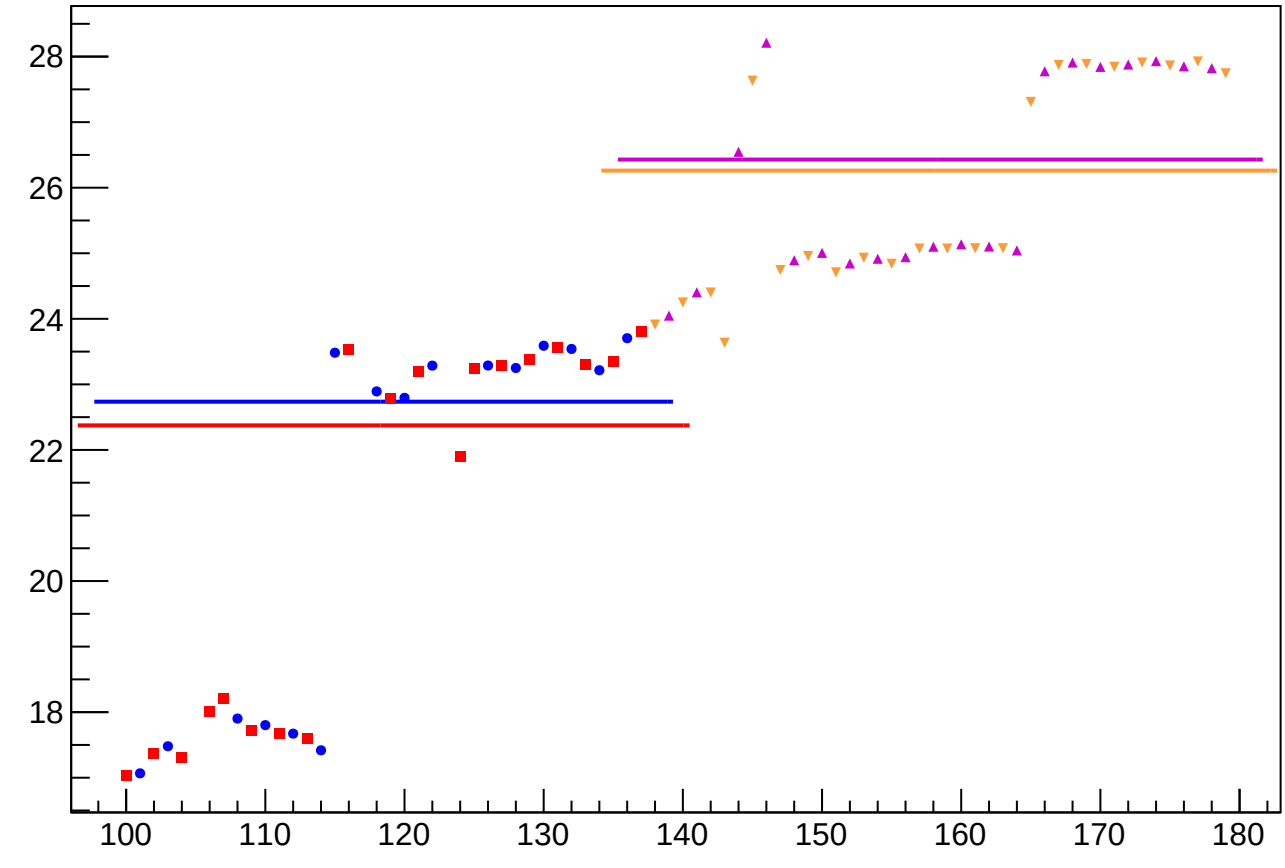
Right Out: 0.014+/-0.000 χ^2/NDF: 2230614.9/18

Left In: 0.011+/-0.000 χ^2/NDF:505211.8/19

+ sign 0.011+/-0.000 χ^2/NDF: 3303821.3/37

All: 0.011+/-0.000 χ^2/NDF: 6557753.2/76

- sign 0.011+/-0.000 χ^2/NDF: 3212619.6/38



Right In: 22.736+/-0.000 χ^2/NDF: 1220713728.0/15

Left Out: 26.261+/-0.000 χ^2/NDF:3357488157.1/21

Right Out: 22.375+/-0.000 χ^2/NDF: 1215661430.7/18

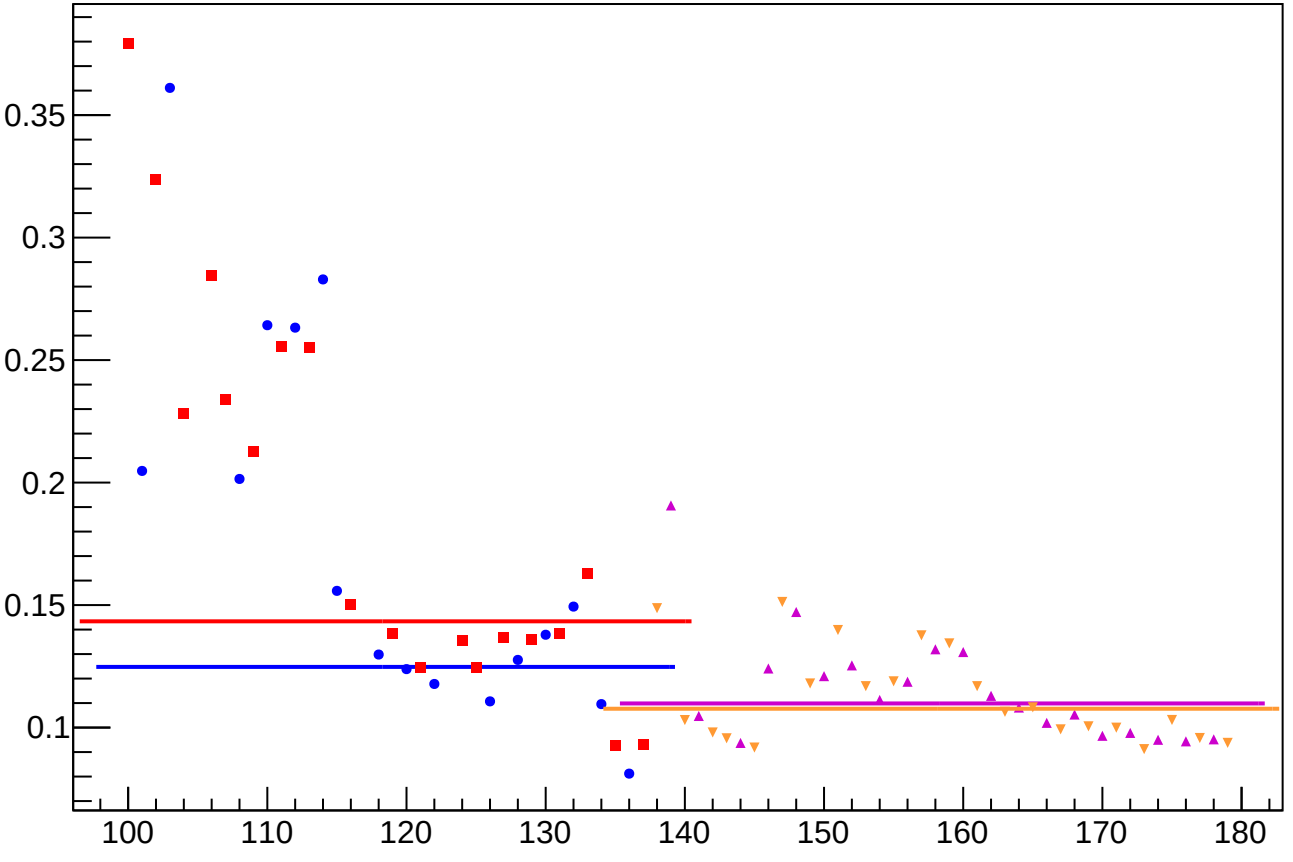
Left In: 26.429+/-0.000 χ^2/NDF:2478112643.5/19

+ sign 25.519+/-0.000 χ^2/NDF: 7948373547.2/37

All: 25.576+/-0.000 χ^2/NDF: 15353874492.1

- sign 25.640+/-0.000 χ^2/NDF: 7394354706.7/38

yield_sam2_rms vs Slug



Right In: 0.125+/-0.000 χ^2/NDF: 1749818.7/15

Left Out: 0.108+/-0.000 χ^2/NDF:678575.6/21

Right Out: 0.143+/-0.000 χ^2/NDF: 1570103.9/18

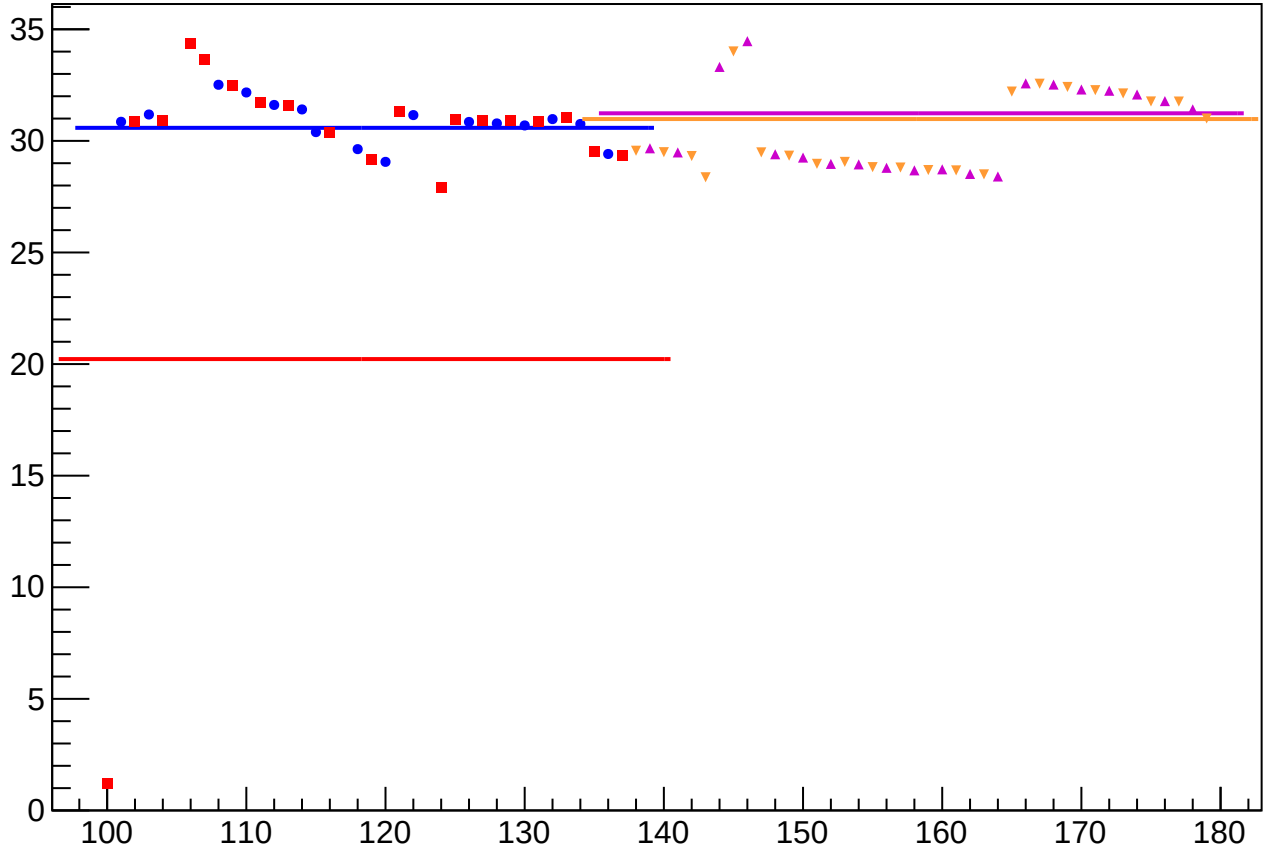
Left In: 0.110+/-0.000 χ^2/NDF:750506.3/19

+ sign 0.111+/-0.000 χ^2/NDF: 2586574.7/37

All: 0.114+/-0.000 χ^2/NDF: 5452662.7/76

- sign 0.116+/-0.000 χ^2/NDF: 2826440.3/38

yield_sam3_mean vs Slug



Right In: 30.585+/-0.000 χ^2/NDF: 652266844.4/15

Left Out: 30.978+/-0.000 χ^2/NDF:11786753513.7/21

Right Out: 20.224+/-0.000 χ^2/NDF: 221262816636.2/18

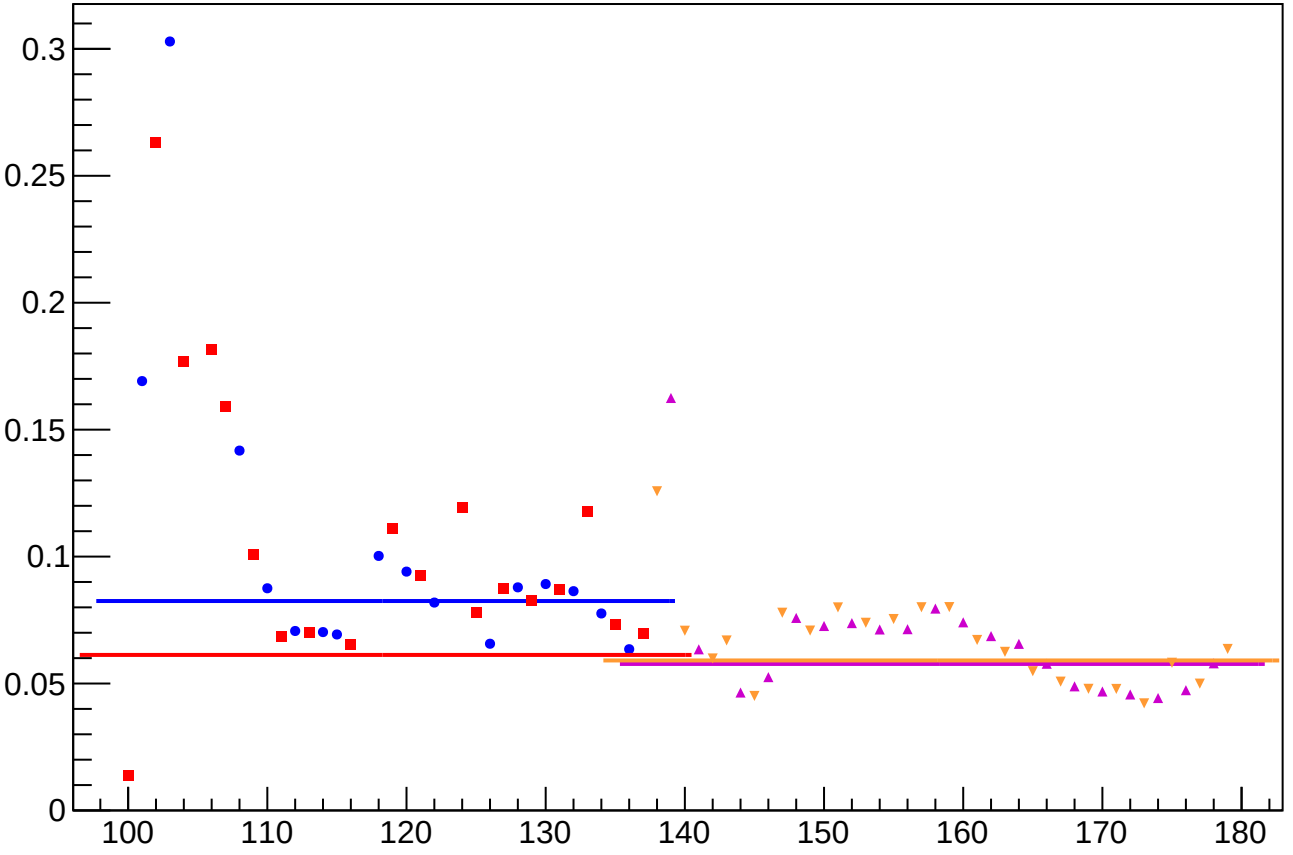
Left In: 31.236+/-0.000 χ^2/NDF:12563020025.3/19

+ sign 30.912+/-0.000 χ^2/NDF: 12538780969.1/37

All: 29.793+/-0.000 χ^2/NDF: 359361661365.

- sign 28.716+/-0.000 χ^2/NDF: 335583031057.4/38

yield_sam3_rms vs Slug



Right In: 0.082+/-0.000 χ^2/NDF: 1261492.7/15

Left Out: 0.059+/-0.000 χ^2/NDF:1503722.3/21

Right Out: 0.061+/-0.000 χ^2/NDF: 4014305.3/18

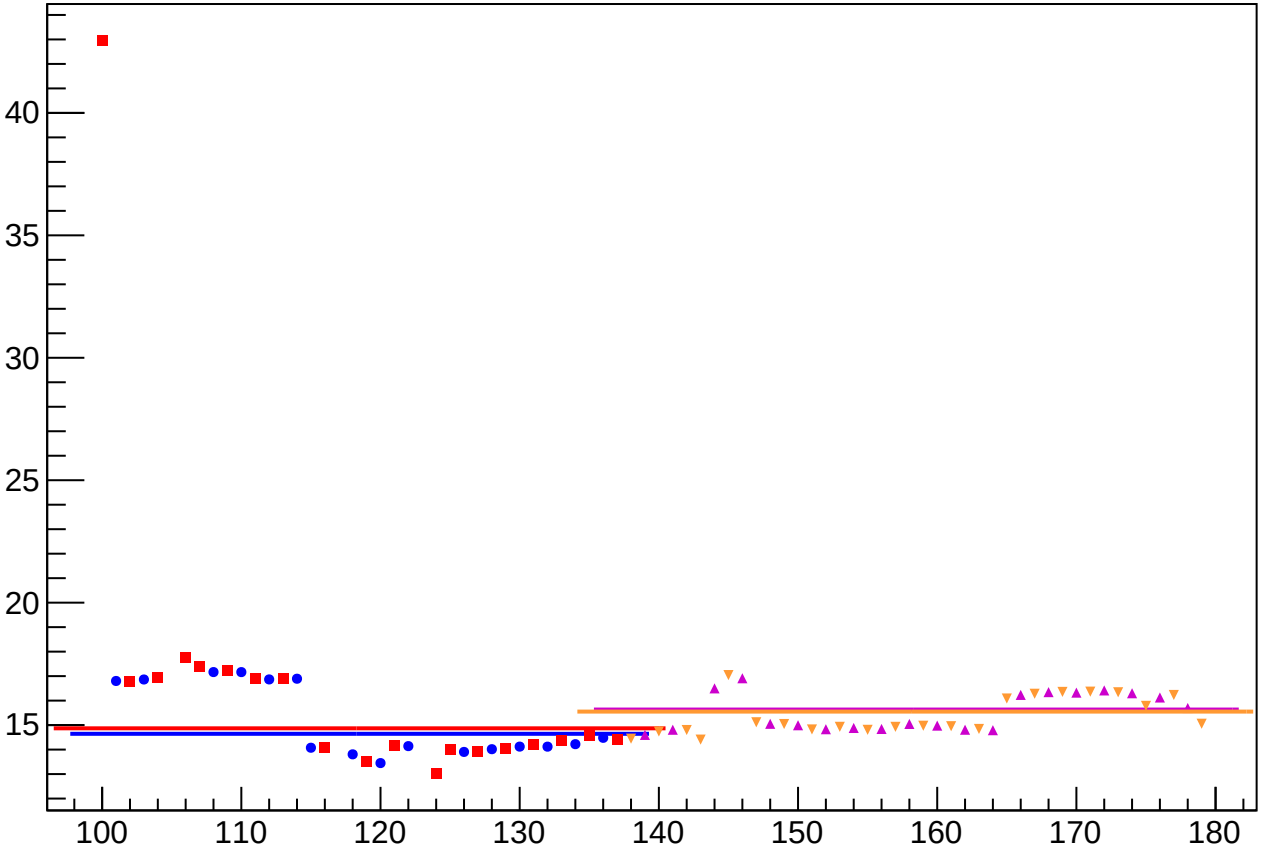
Left In: 0.058+/-0.000 χ^2/NDF:1695059.8/19

+ sign 0.063+/-0.000 χ^2/NDF: 3470062.9/37

All: 0.061+/-0.000 χ^2/NDF: 9295912.8/76

- sign 0.059+/-0.000 χ^2/NDF: 5730525.4/38

yield_sam4_mean vs Slug



Right In: 14.644+/-0.000 χ^2/NDF: 1193913109.5/15

Left Out: 15.552+/-0.000 χ^2/NDF:2176771571.1/21

Right Out: 14.868+/-0.000 χ^2/NDF: 1730040006.8/18

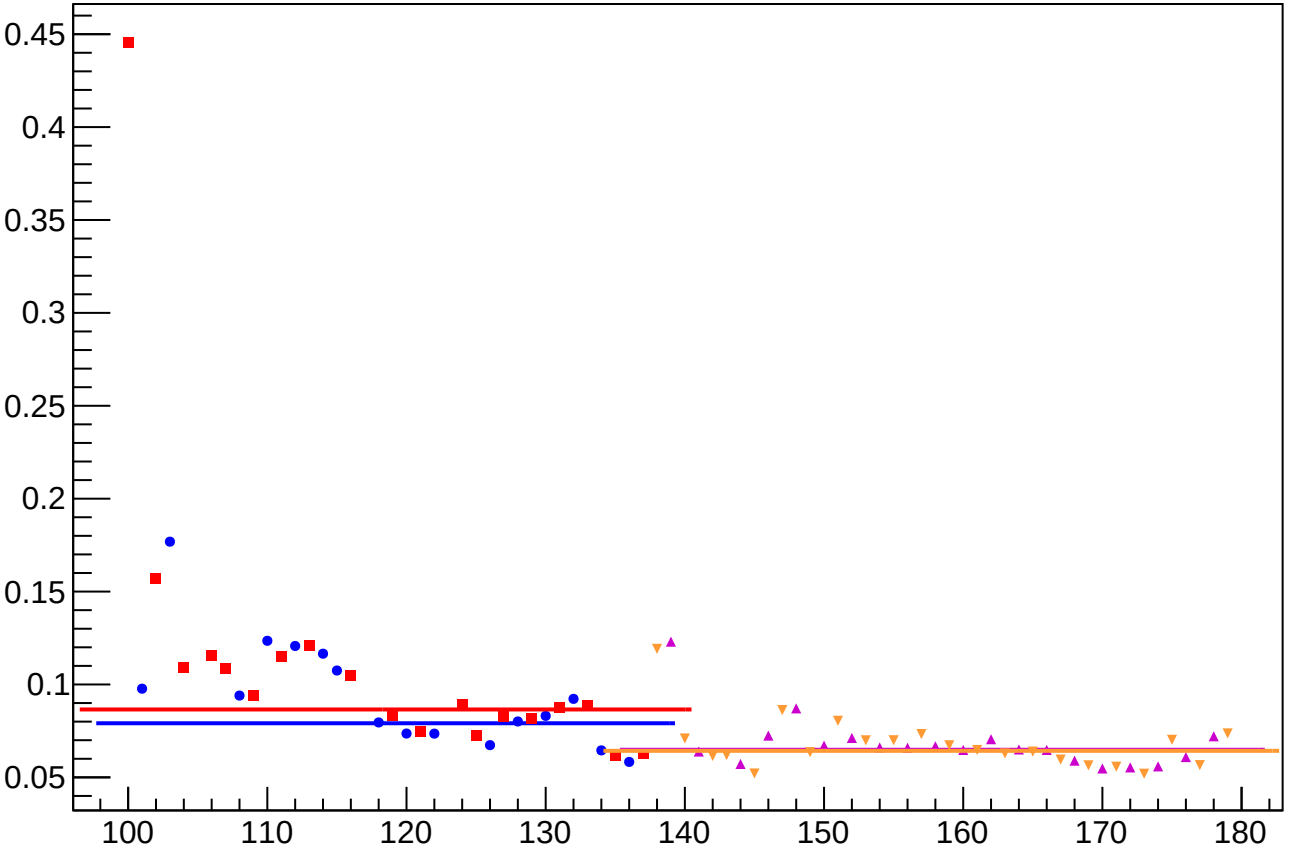
Left In: 15.635+/-0.000 χ^2/NDF:1830771570.0/19

+ sign 15.362+/-0.000 χ^2/NDF: 3982095974.0/37

All: 15.419+/-0.000 χ^2/NDF: 7959151918.2/7

- sign 15.482+/-0.000 χ^2/NDF: 3946639359.4/38

yield_sam4_rms vs Slug



Right In: 0.079+/-0.000 χ^2/NDF: 918198.7/15

Left Out: 0.064+/-0.000 χ^2/NDF:795070.5/21

Right Out: 0.087+/-0.000 χ^2/NDF: 793345.8/18

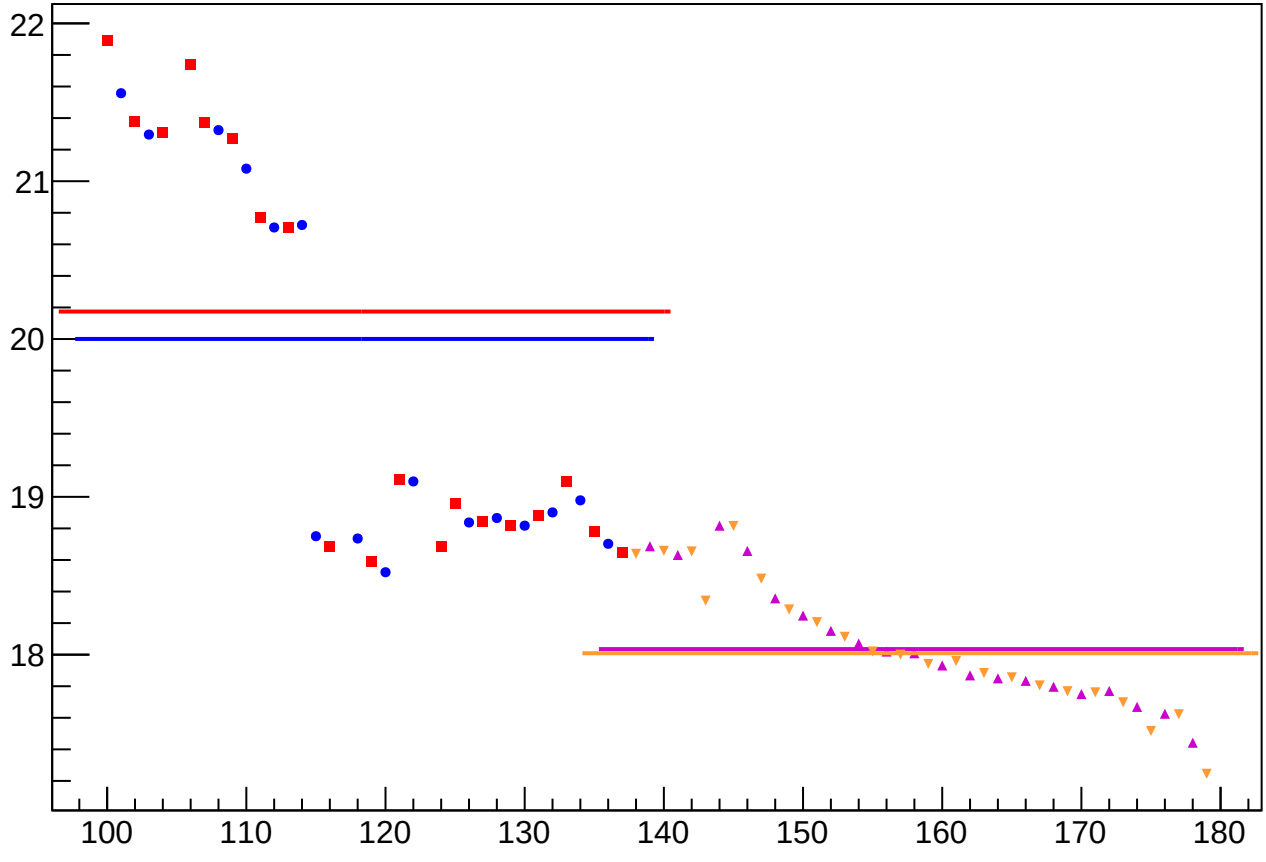
Left In: 0.065+/-0.000 χ^2/NDF:694163.3/19

+ sign 0.067+/-0.000 χ^2/NDF: 2040482.3/37

All: 0.068+/-0.000 χ^2/NDF: 4159722.4/76

- sign 0.069+/-0.000 χ^2/NDF: 2105100.0/38

yield_sam5_mean vs Slug



Right In: 20.001+/-0.000 χ^2/NDF: 10878846617.7/15

Left Out: 18.009+/-0.000 χ^2/NDF:2643796053.0/21

Right Out: 20.174+/-0.000 χ^2/NDF: 10426322430.8/18

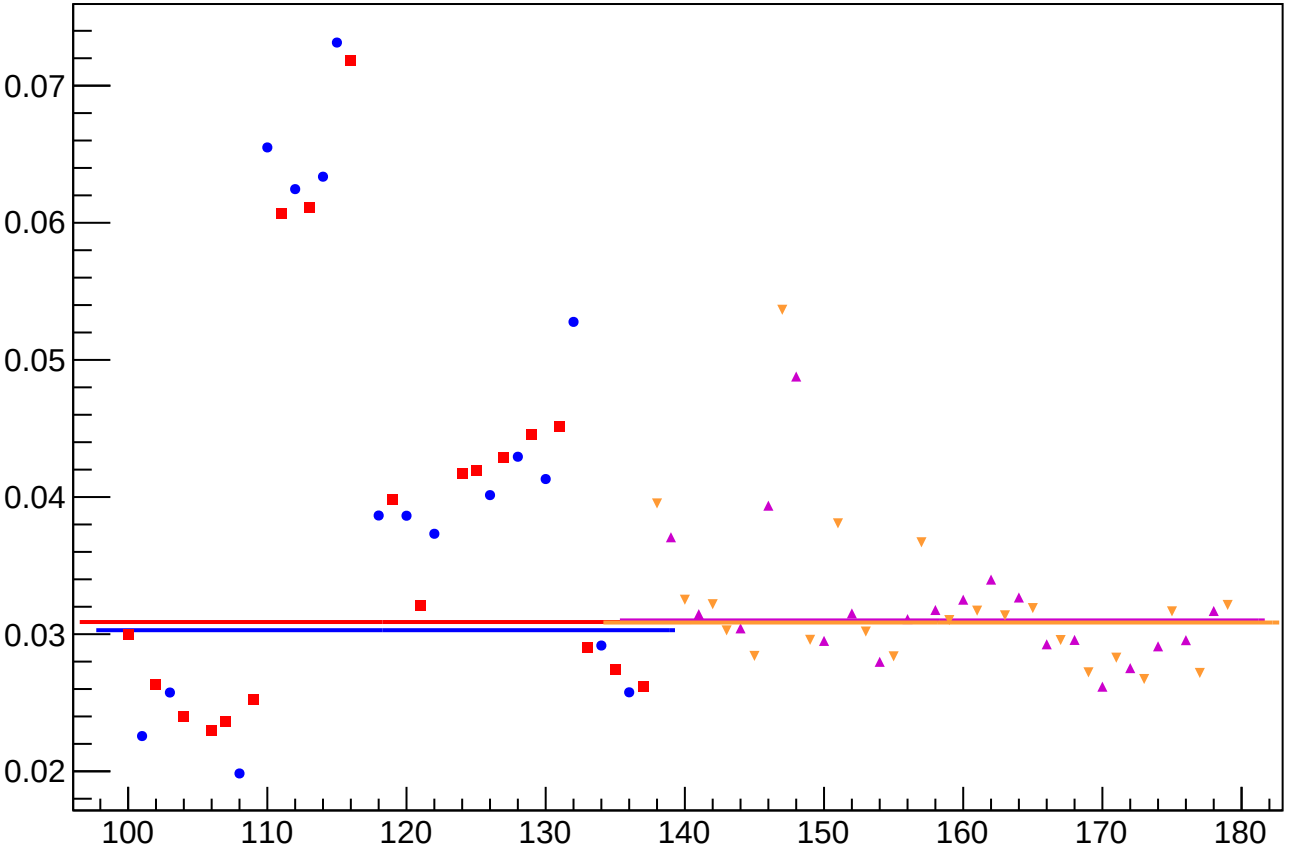
Left In: 18.035+/-0.000 χ^2/NDF:2228459939.1/19

+ sign 18.552+/-0.000 χ^2/NDF: 32275832453.4/37

All: 18.601+/-0.000 χ^2/NDF: 66264209831.2

- sign 18.653+/-0.000 χ^2/NDF: 33869894172.6/38

yield_sam5_rms vs Slug



Right In: 0.030+/-0.000 χ^2/NDF: 1447374.9/15

Left Out: 0.031+/-0.000 χ^2/NDF:605415.3/21

Right Out: 0.031+/-0.000 χ^2/NDF: 1204729.6/18

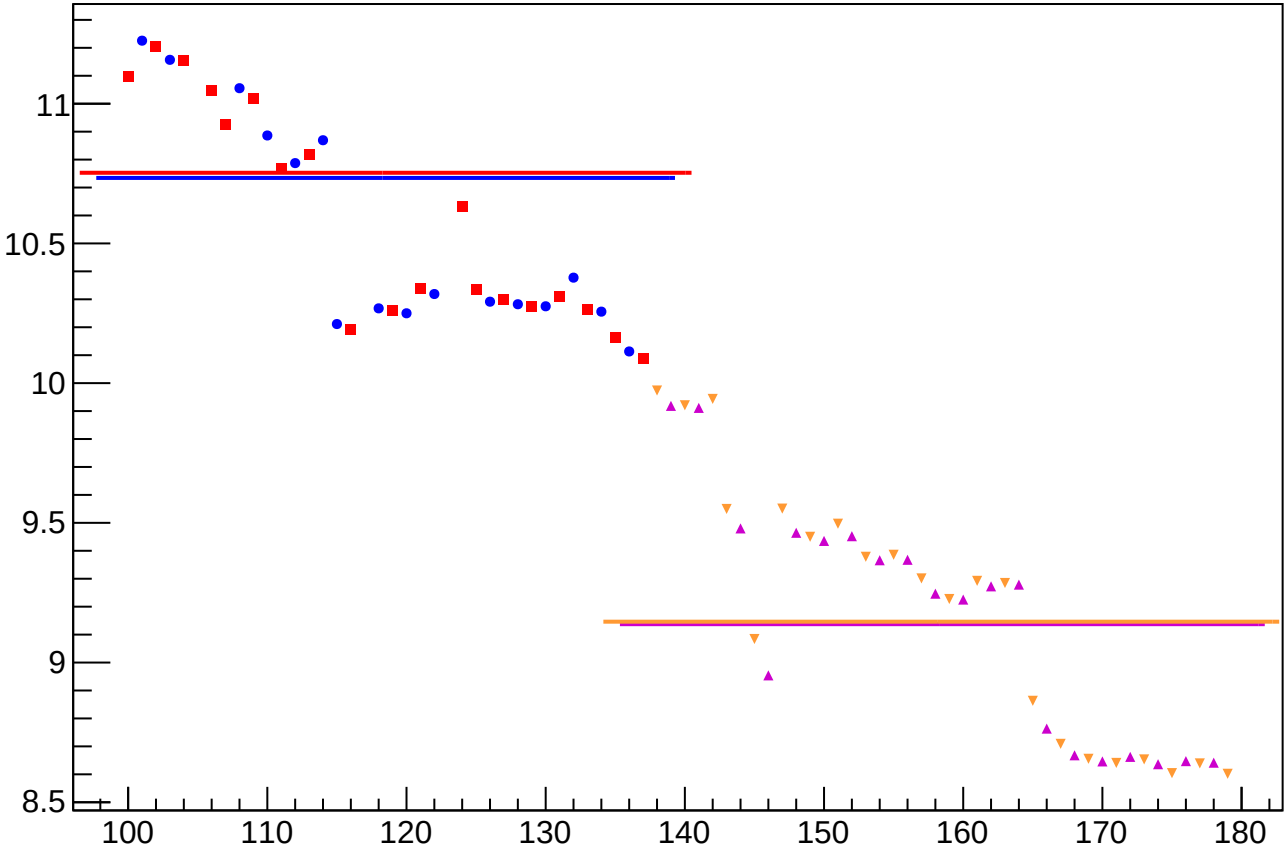
Left In: 0.031+/-0.000 χ^2/NDF:469994.2/19

+ sign 0.031+/-0.000 χ^2/NDF: 2055758.6/37

All: 0.031+/-0.000 χ^2/NDF: 3732321.2/76

- sign 0.031+/-0.000 χ^2/NDF: 1674849.8/38

yield_sam6_mean vs Slug



Right In: 10.734+/-0.000 χ^2/NDF: 5879444478.4/15

Left Out: 9.146+/-0.000 χ^2/NDF:8794126365.8/21

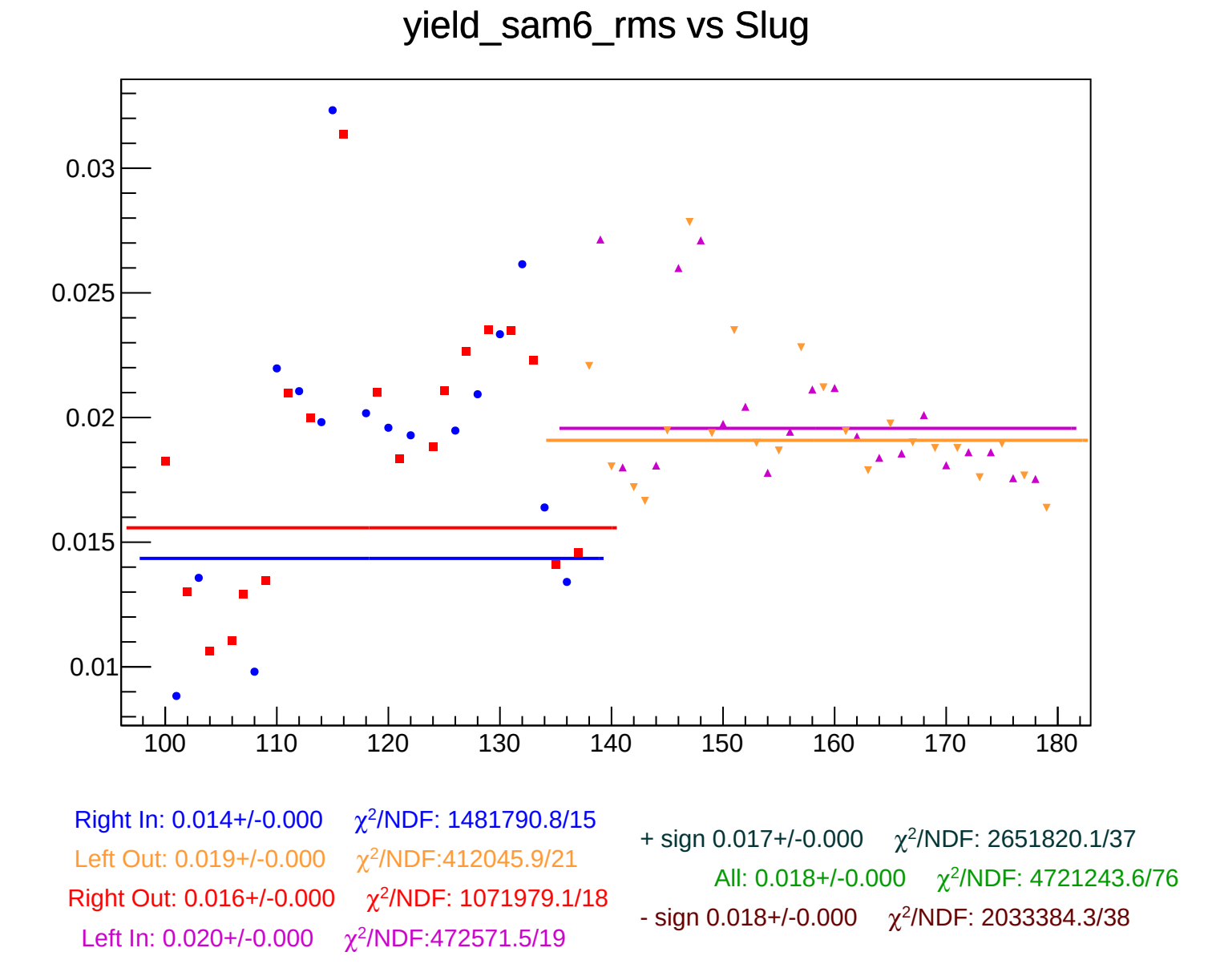
Right Out: 10.753+/-0.000 χ^2/NDF: 4344265704.2/18

Left In: 9.137+/-0.000 χ^2/NDF:6631081545.6/19

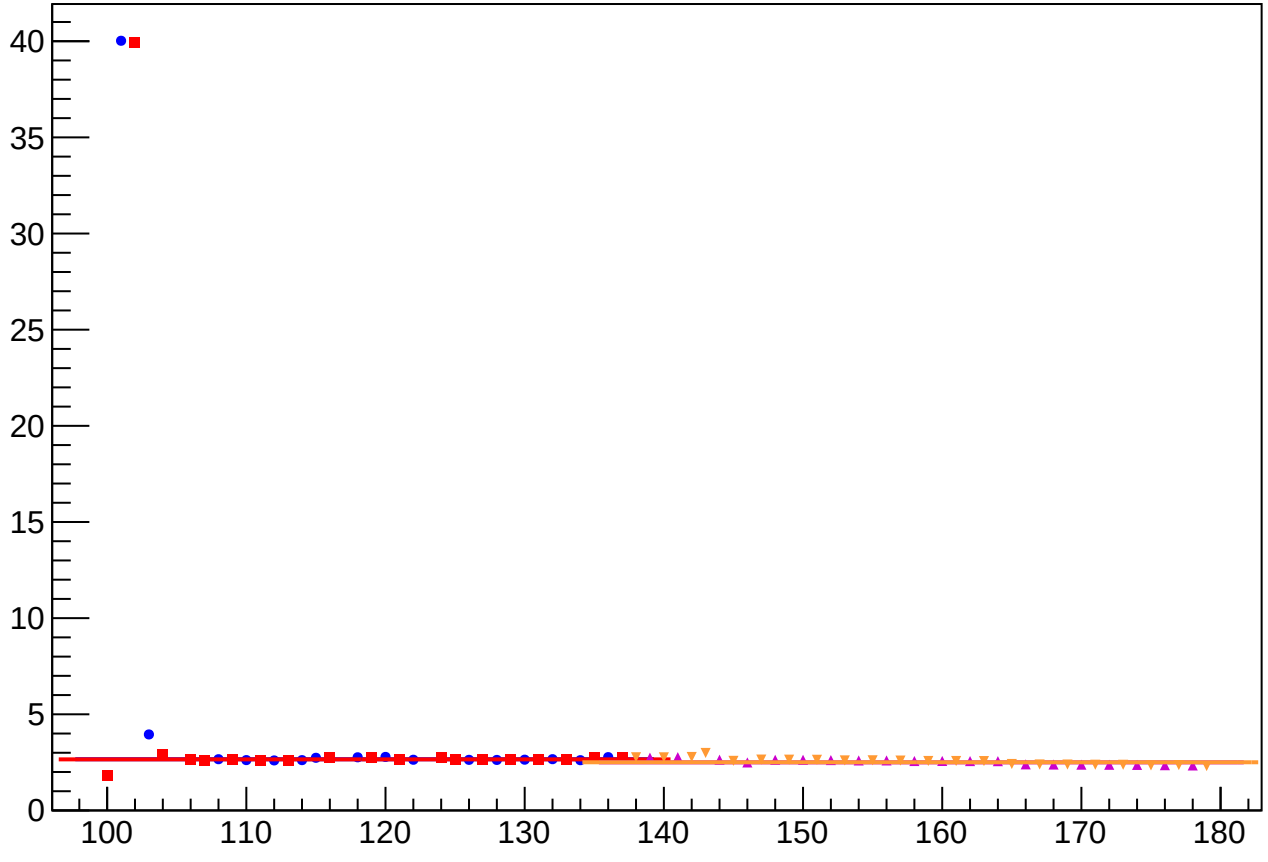
+ sign 9.763+/-0.000 χ^2/NDF: 57285045295.1/37

All: 9.771+/-0.000 χ^2/NDF: 108343614304.2

- sign 9.780+/-0.000 χ^2/NDF: 51048064431.8/38


yield_sam6_rms vs Slug
0.03
0.025
0.02
0.015
0.01
100
110
120
130
140
150
160
170
180
Right In: 0.014+/-0.000 χ²/NDF: 1481790.8/15
Left Out: 0.019+/-0.000 χ²/NDF:412045.9/21
Right Out: 0.016+/-0.000 χ²/NDF: 1071979.1/18
Left In: 0.020+/-0.000 χ²/NDF:472571.5/19
+ sign 0.017+/-0.000 χ²/NDF: 2651820.1/37
All: 0.018+/-0.000 χ²/NDF: 4721243.6/76
- sign 0.018+/-0.000 χ²/NDF: 2033384.3/38

yield_sam7_mean vs Slug



Right In: 2.664+/-0.000 χ^2/NDF: 67839888284.3/15

Left Out: 2.506+/-0.000 χ^2/NDF:85100255116.0/21

Right Out: 2.656+/-0.000 χ^2/NDF: 65056887880.1/18

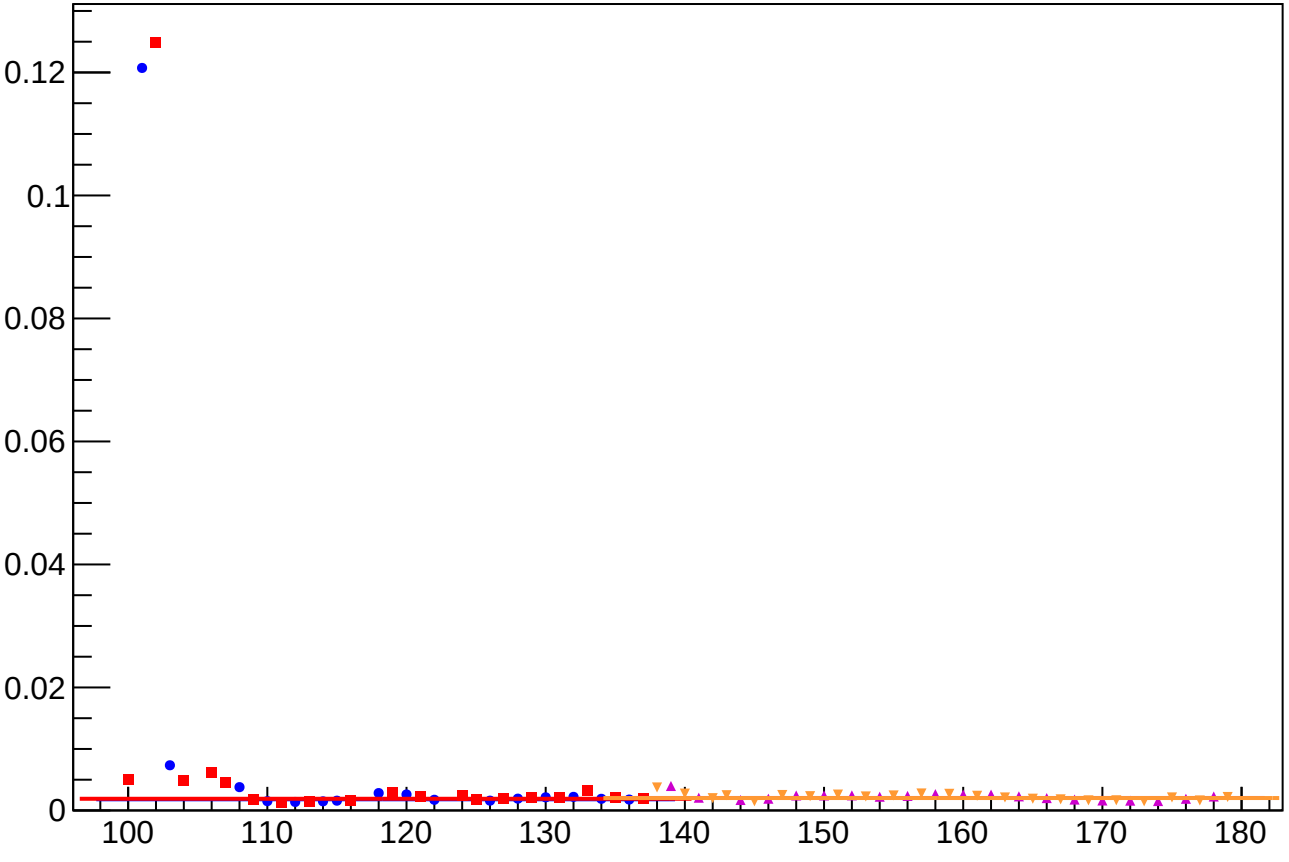
Left In: 2.501+/-0.000 χ^2/NDF:54653279870.9/19

+ sign 2.552+/-0.000 χ^2/NDF: 178405790003.6/37

All: 2.551+/-0.000 χ^2/NDF: 321618080944.7

- sign 2.549+/-0.000 χ^2/NDF: 143181955830.7/38

yield_sam7_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 1822680.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:1462937.9/21

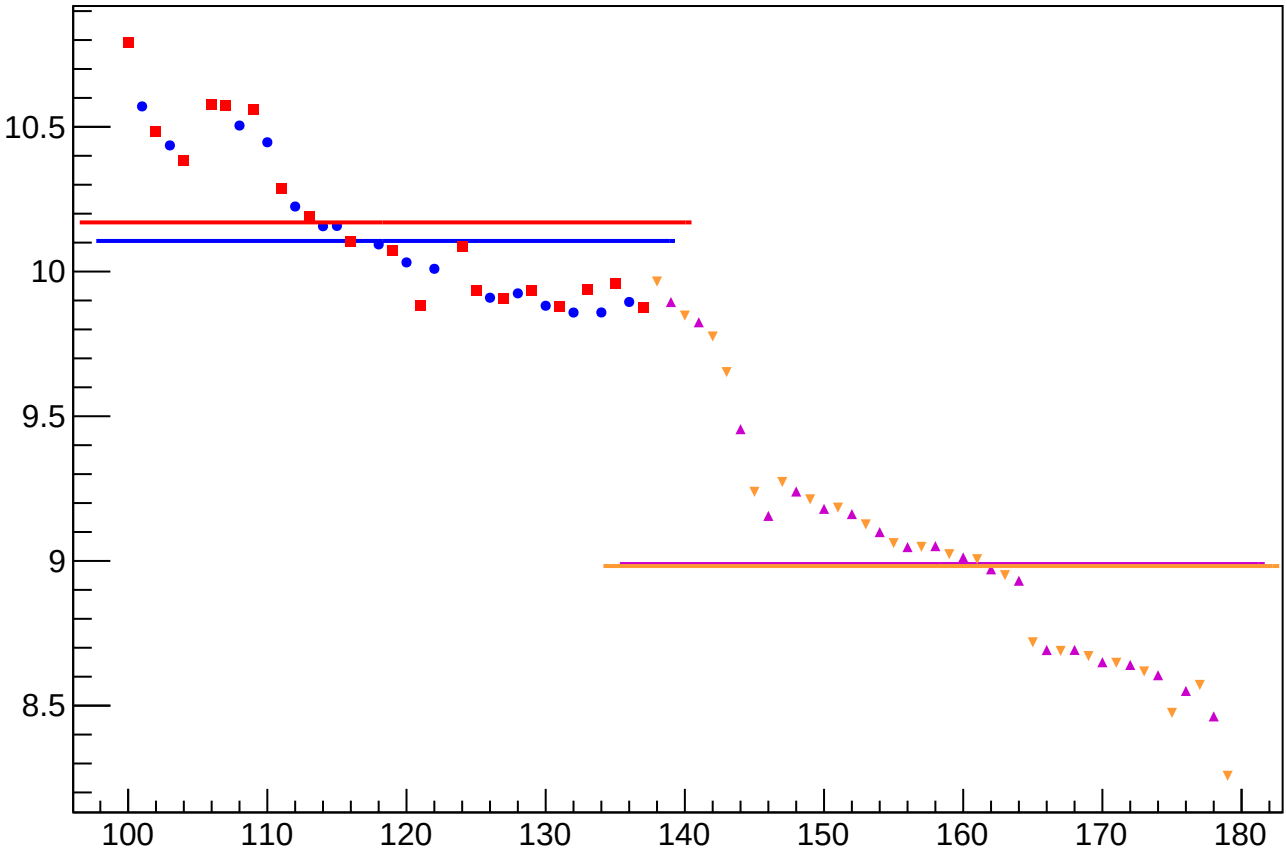
Right Out: 0.002+/-0.000 χ^2/NDF: 2525514.7/18

Left In: 0.002+/-0.000 χ^2/NDF:1229864.9/19

+ sign 0.002+/-0.000 χ^2/NDF: 3370570.1/37

All: 0.002+/-0.000 χ^2/NDF: 7162907.4/76

- sign 0.002+/-0.000 χ^2/NDF: 3787916.2/38



Right In: 10.106+/-0.000 χ^2/NDF: 9126550621.3/15

Left Out: 8.982+/-0.000 χ^2/NDF:58018828654.2/21

Right Out: 10.170+/-0.000 χ^2/NDF: 9135610954.1/18

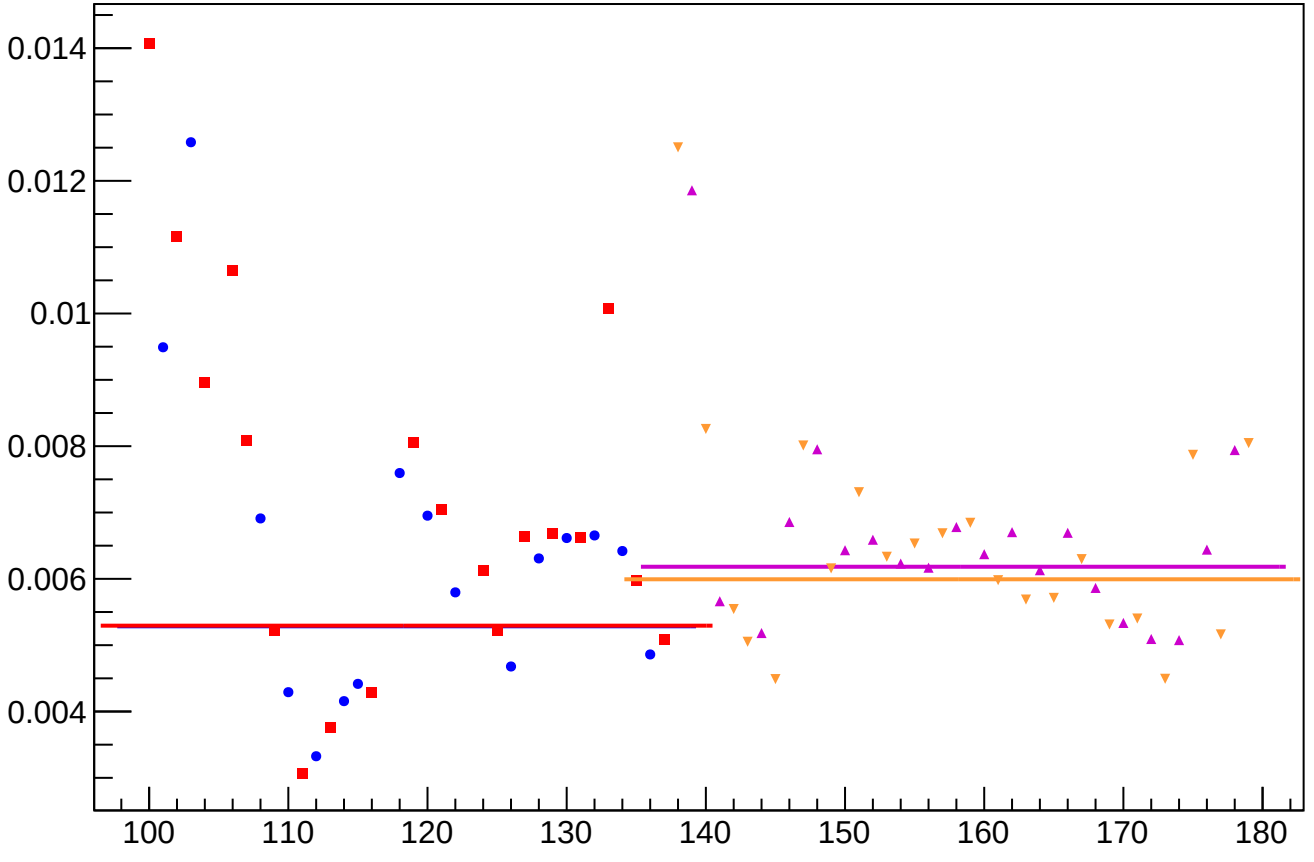
Left In: 8.989+/-0.000 χ^2/NDF:44330870774.5/19

+ sign 9.357+/-0.000 χ^2/NDF: 229772606191.0/37

All: 9.388+/-0.000 χ^2/NDF: 458539838652.0

- sign 9.420+/-0.000 χ^2/NDF: 227661762851.3/38

yield_sam8_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 1274133.0/15

Left Out: 0.006+/-0.000 χ^2/NDF:1235641.4/21

Right Out: 0.005+/-0.000 χ^2/NDF: 1792250.8/18

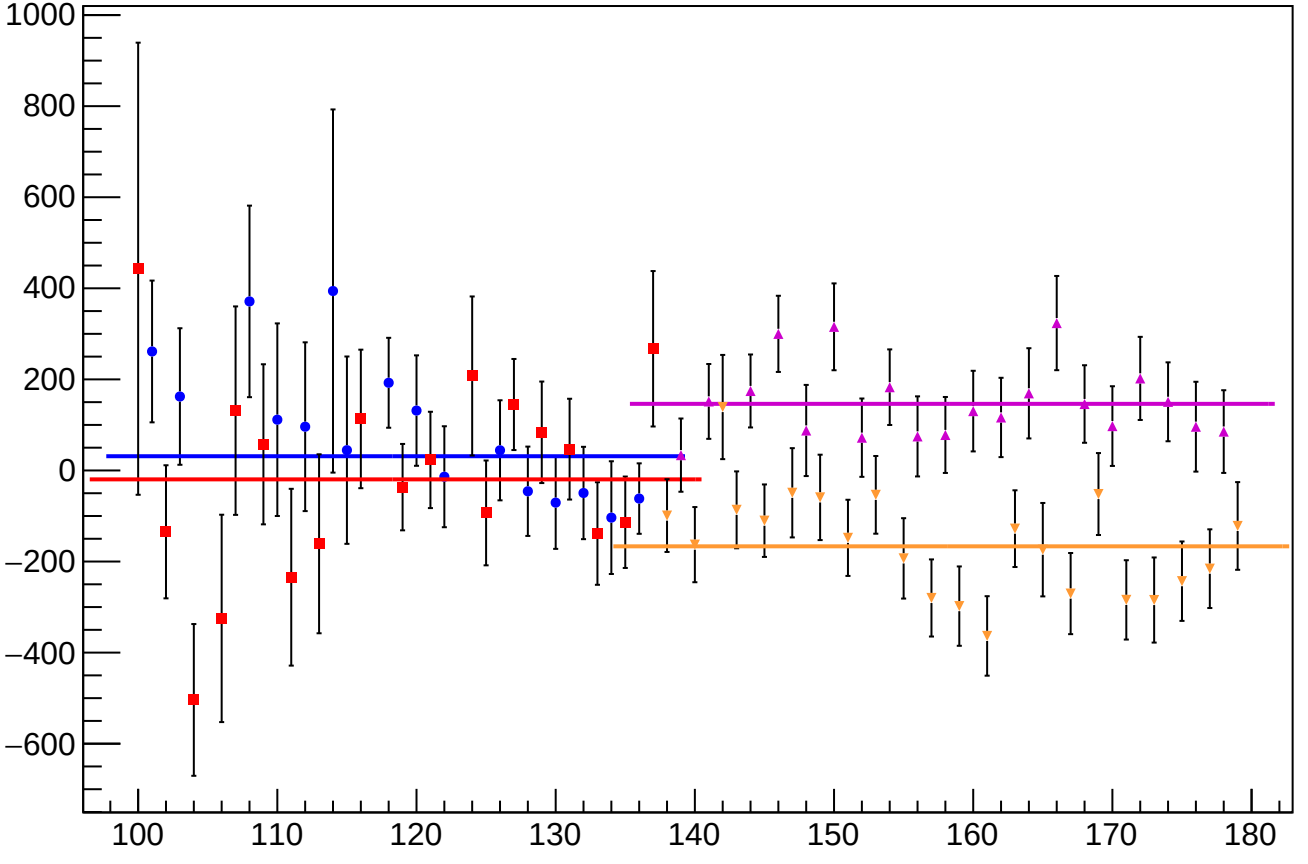
Left In: 0.006+/-0.000 χ^2/NDF:774497.6/19

+ sign 0.006+/-0.000 χ^2/NDF: 2639267.5/37

All: 0.006+/-0.000 χ^2/NDF: 5409015.3/76

- sign 0.006+/-0.000 χ^2/NDF: 2764016.4/38

reg_asym_sam1_mean vs Slug



Right In: 31.249+/-30.786 χ^2/NDF: 15.1/15

Left Out: -166.607+/-18.857 χ^2/NDF:31.0/21

Right Out: -19.573+/-31.059 χ^2/NDF: 25.9/18

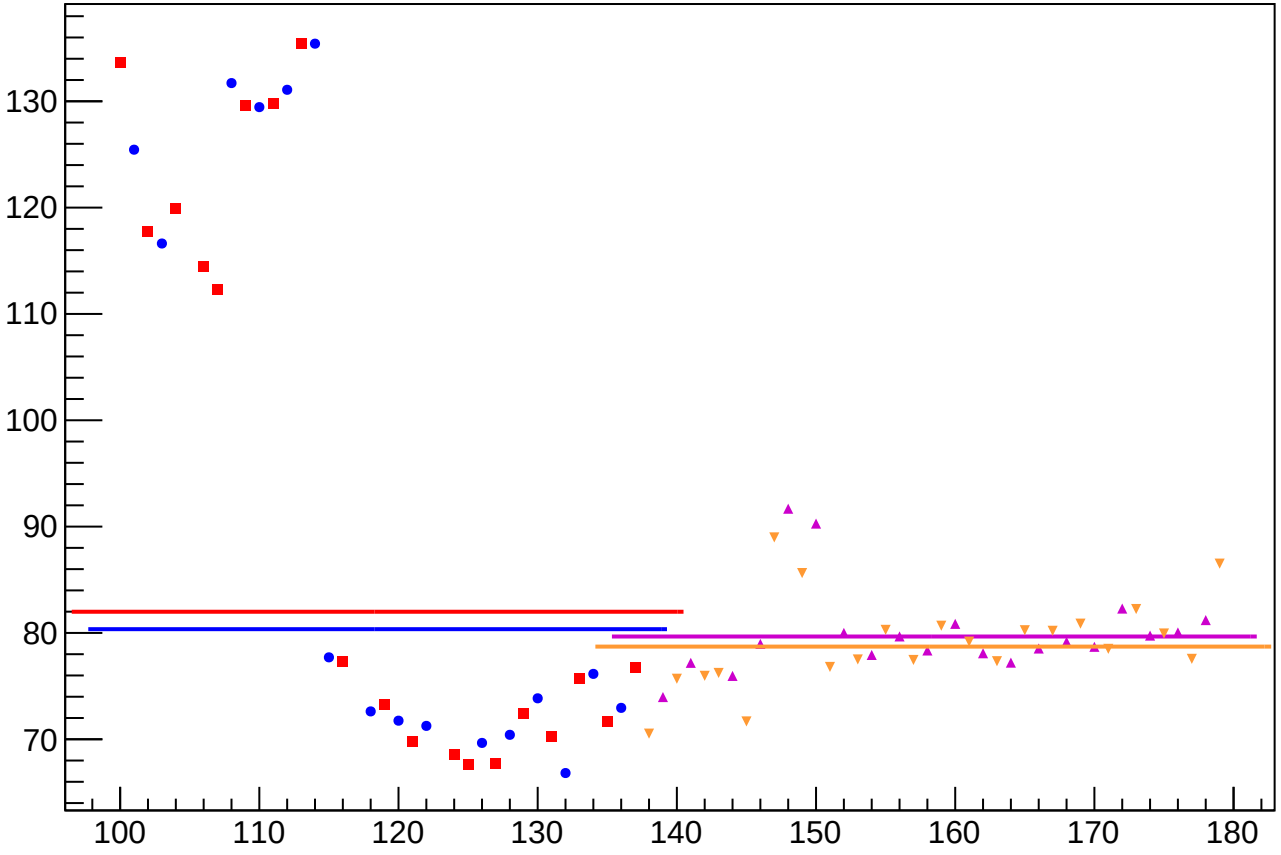
Left In: 146.276+/-19.744 χ^2/NDF:15.8/19

+ sign -112.627+/-16.081 χ^2/NDF: 76.1/37

All: -10.792+/-11.571 χ^2/NDF: 221.2/76

- sign 98.543+/-16.662 χ^2/NDF: 62.0/38

reg_asym_sam1_rms vs Slug



Right In: 80.354+/-0.022 χ^2/NDF: 840039.5/15

Left Out: 78.715+/-0.013 χ^2/NDF:98092.9/21

Right Out: 81.993+/-0.022 χ^2/NDF: 932337.7/18

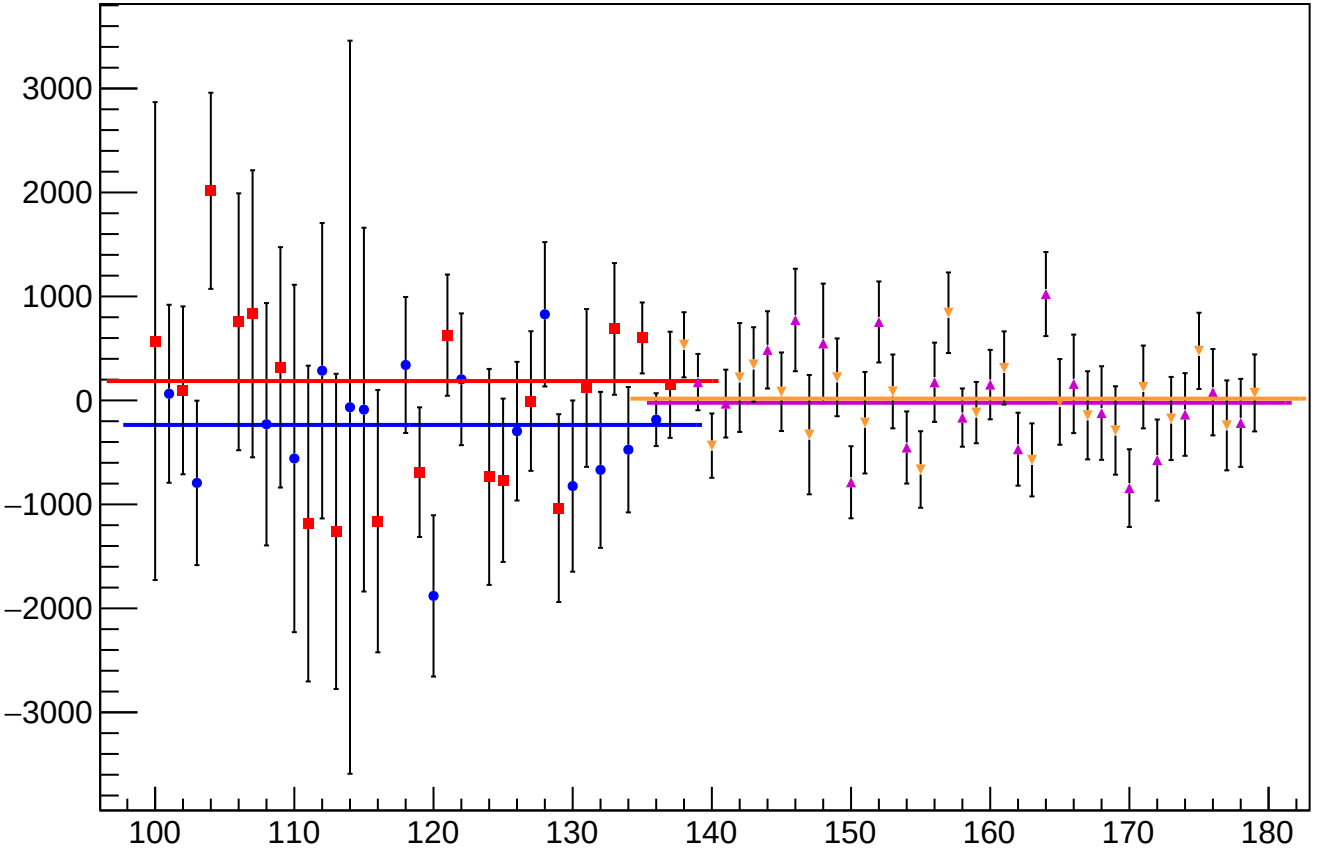
Left In: 79.664+/-0.014 χ^2/NDF:76379.4/19

+ sign 79.162+/-0.011 χ^2/NDF: 942252.9/37

All: 79.727+/-0.008 χ^2/NDF: 1964101.7/76

- sign 80.334+/-0.012 χ^2/NDF: 1016727.1/38

asym_sam1_reg_correction_mean vs Slug



Right In: -235.521+/-163.765 χ^2/NDF: 9.9/15

Left Out: 17.333+/-80.913 χ^2/NDF:21.4/21

Right Out: 186.618+/-170.394 χ^2/NDF: 16.0/18

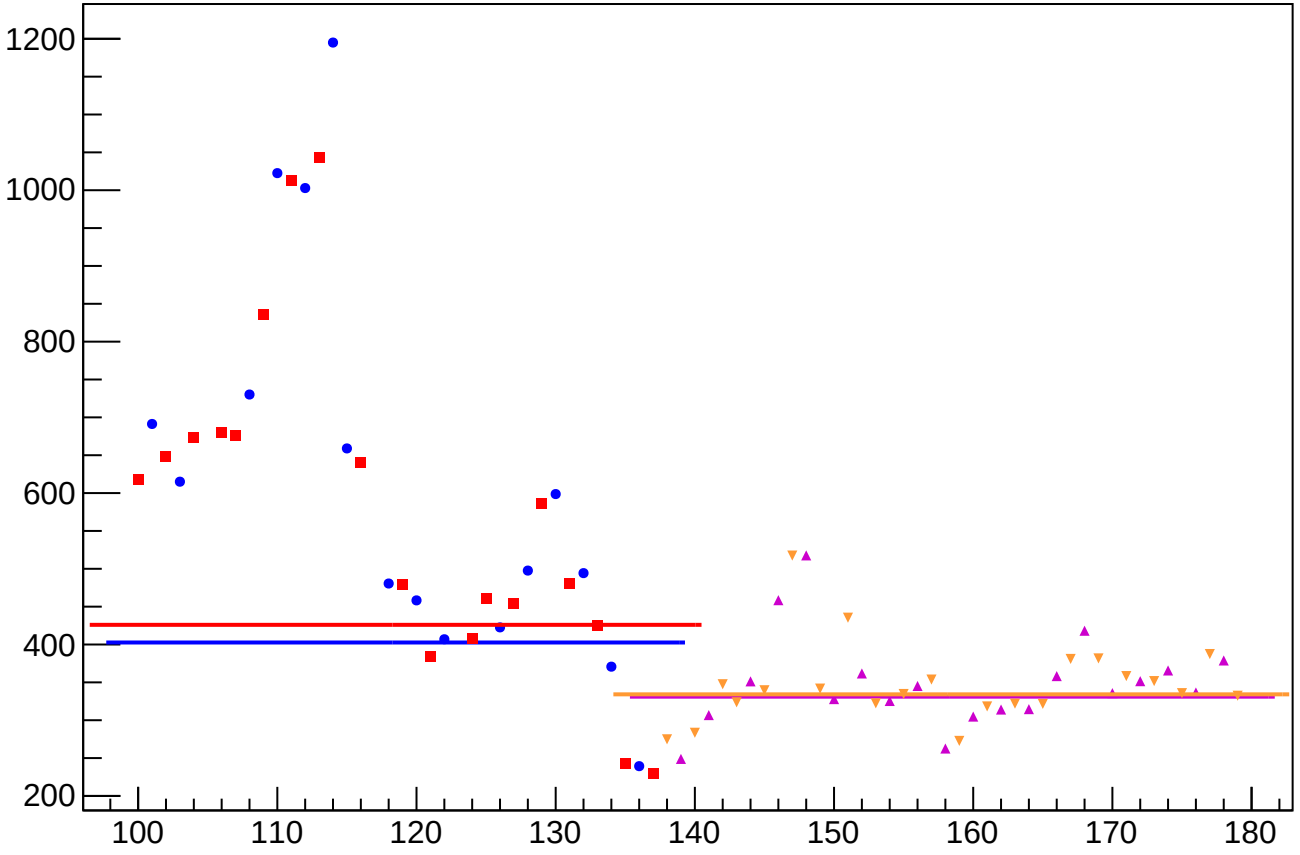
Left In: -22.492+/-83.241 χ^2/NDF:32.9/19

+ sign -32.281+/-72.542 χ^2/NDF: 33.3/37

All: -8.007+/-52.073 χ^2/NDF: 83.6/76

- sign 17.797+/-74.793 χ^2/NDF: 50.0/38

asym_sam1_reg_correction_rms vs Slug



Right In: 402.658+/-0.116 χ^2/NDF: 2360092.2/15

Left Out: 334.178+/-0.057 χ^2/NDF:613421.0/21

Right Out: 425.980+/-0.120 χ^2/NDF: 2368792.4/18

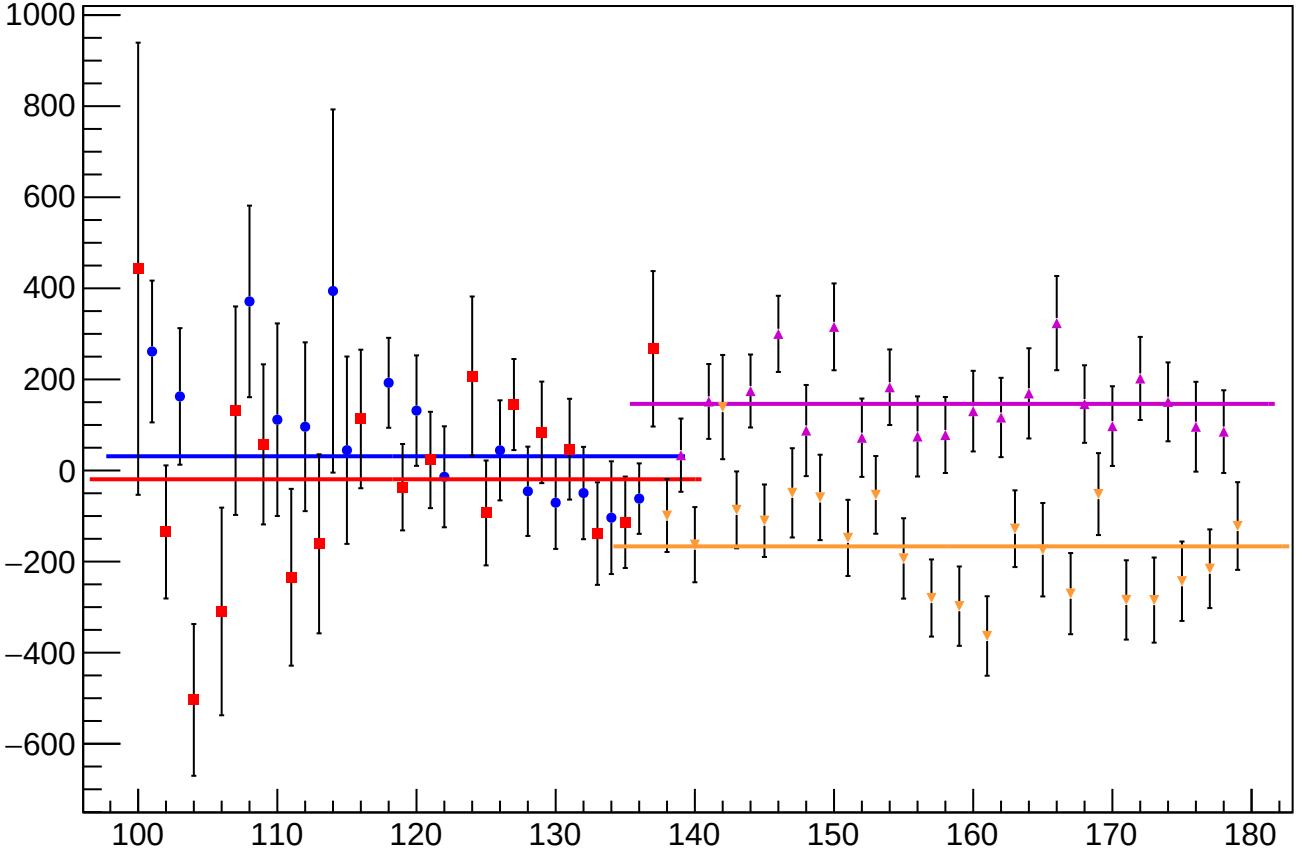
Left In: 331.116+/-0.059 χ^2/NDF:829951.1/19

+ sign 347.615+/-0.051 χ^2/NDF: 3254606.8/37

All: 348.477+/-0.037 χ^2/NDF: 6954400.3/76

- sign 349.393+/-0.053 χ^2/NDF: 3699211.0/38

cor_asym_sam1_mean vs Slug



Right In: 31.260+/-30.786 χ^2/NDF: 15.1/15

Left Out: -166.606+/-18.857 χ^2/NDF:31.0/21

Right Out: -19.282+/-31.060 χ^2/NDF: 25.7/18

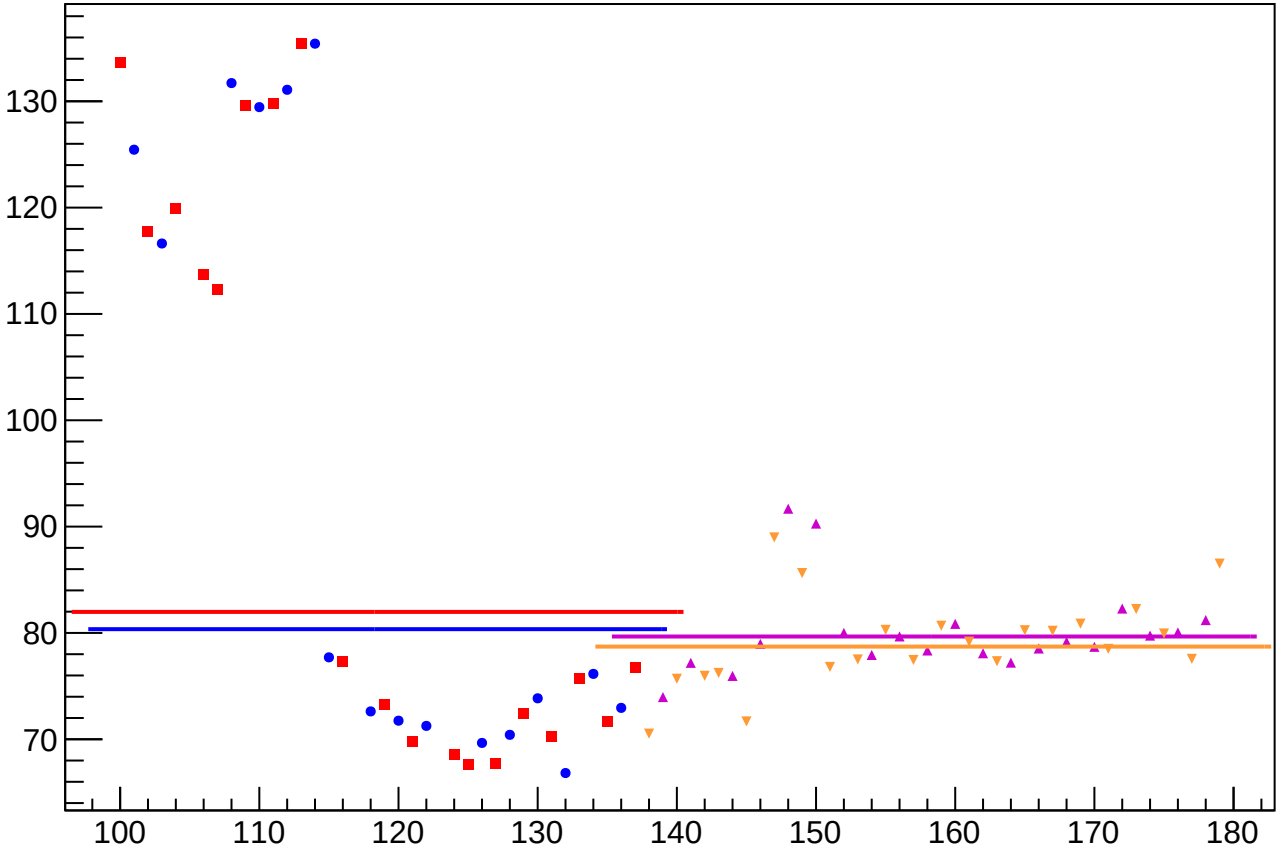
Left In: 146.279+/-19.744 χ^2/NDF:15.8/19

+ sign -112.623+/-16.081 χ^2/NDF: 76.1/37

All: -10.748+/-11.571 χ^2/NDF: 221.1/76

- sign 98.632+/-16.662 χ^2/NDF: 61.7/38

cor_asym_sam1_rms vs Slug



Right In: 80.354+/-0.022 χ^2/NDF: 840039.7/15

Left Out: 78.715+/-0.013 χ^2/NDF:98092.9/21

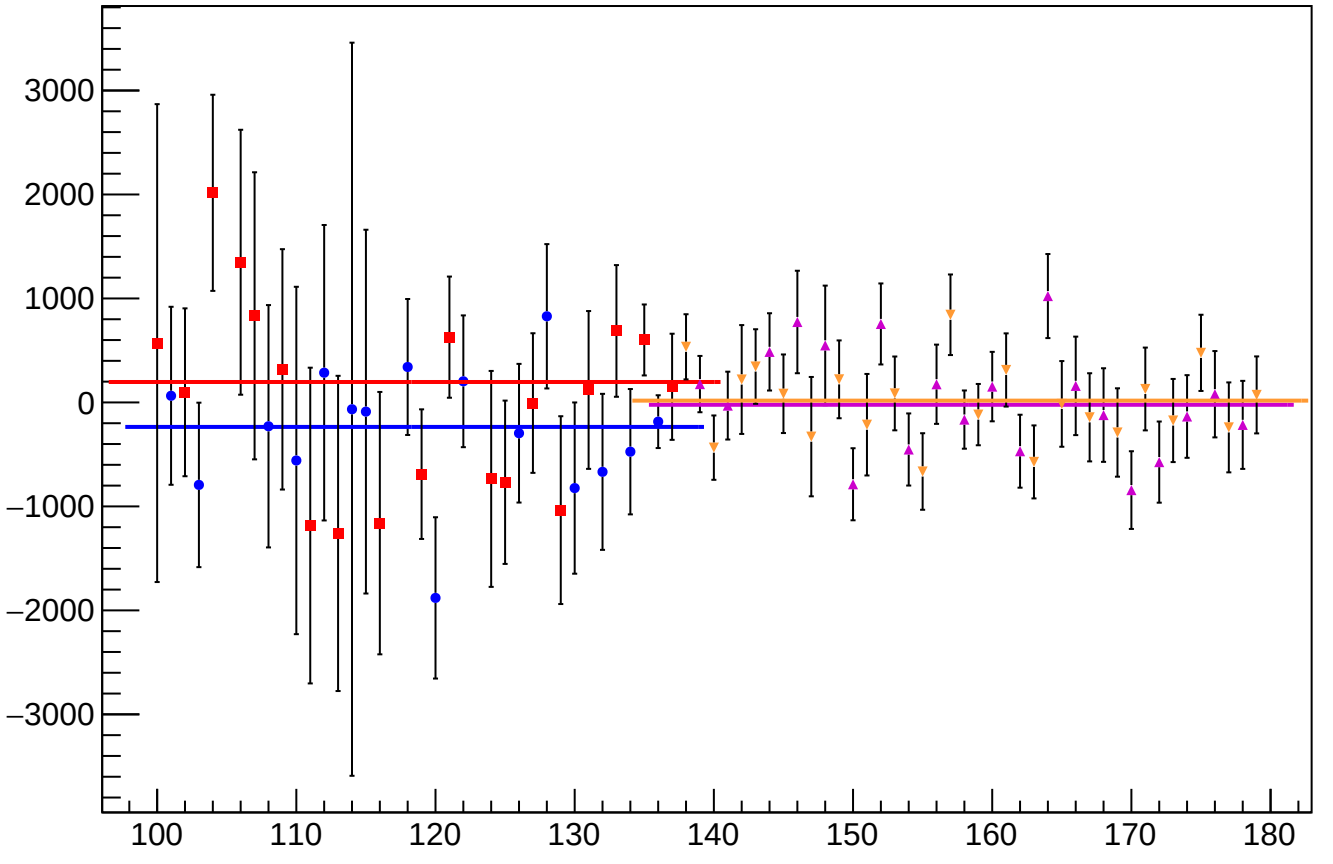
Right Out: 81.978+/-0.022 χ^2/NDF: 930466.5/18

Left In: 79.664+/-0.014 χ^2/NDF:76379.4/19

+ sign 79.162+/-0.011 χ^2/NDF: 942253.1/37

All: 79.725+/-0.008 χ^2/NDF: 1962089.2/76

- sign 80.330+/-0.012 χ^2/NDF: 1014752.5/38



Right In: -235.519+/-163.765 χ^2/NDF: 9.9/15

Left Out: 17.331+/-80.913 χ^2/NDF:21.4/21

Right Out: 196.579+/-170.492 χ^2/NDF: 16.6/18

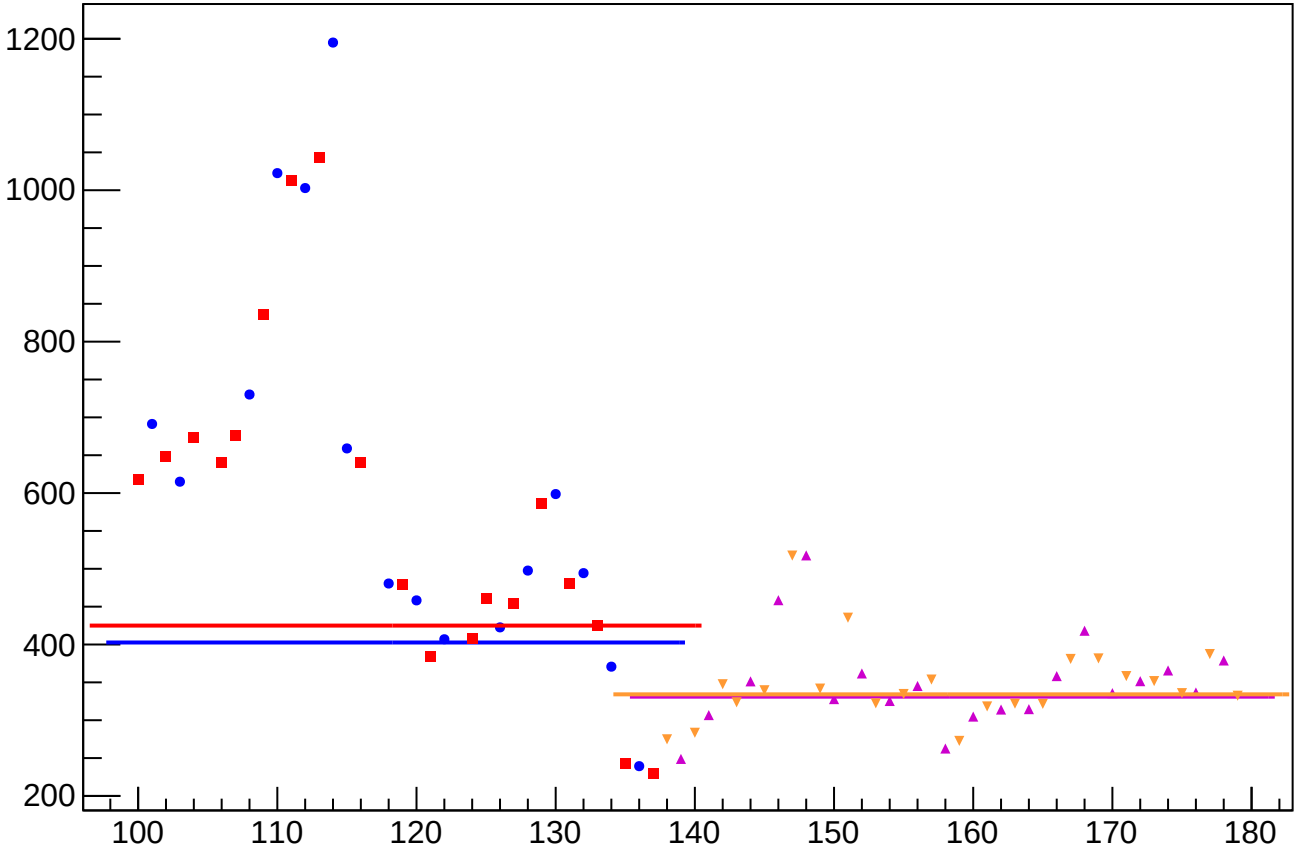
Left In: -22.488+/-83.241 χ^2/NDF:32.9/19

+ sign -32.283+/-72.542 χ^2/NDF: 33.3/37

All: -7.098+/-52.075 χ^2/NDF: 84.3/76

- sign 19.681+/-74.802 χ^2/NDF: 50.8/38

asym_sam1_cor_correction_rms vs Slug



Right In: 402.658+/-0.116 χ^2/NDF: 2360087.3/15

Left Out: 334.178+/-0.057 χ^2/NDF:613429.4/21

Right Out: 424.988+/-0.121 χ^2/NDF: 2341027.2/18

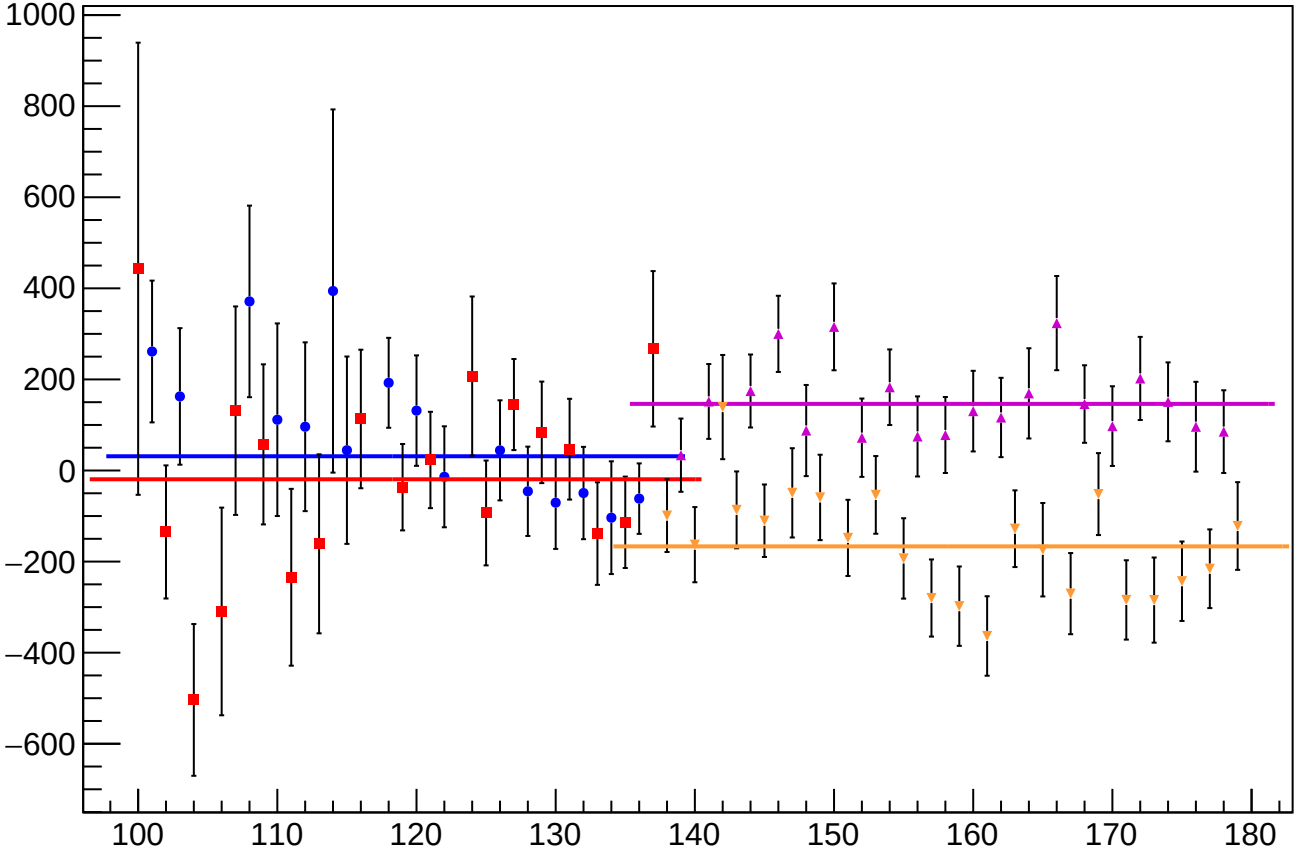
Left In: 331.116+/-0.059 χ^2/NDF:829951.5/19

+ sign 347.615+/-0.051 χ^2/NDF: 3254612.9/37

All: 348.376+/-0.037 χ^2/NDF: 6915646.3/76

- sign 349.185+/-0.053 χ^2/NDF: 3660579.0/38

eigen_cor_asym_sam1_mean vs Slug



Right In: 31.260+/-30.786 χ^2/NDF: 15.1/15

Left Out: -166.606+/-18.857 χ^2/NDF:31.0/21

Right Out: -19.282+/-31.060 χ^2/NDF: 25.7/18

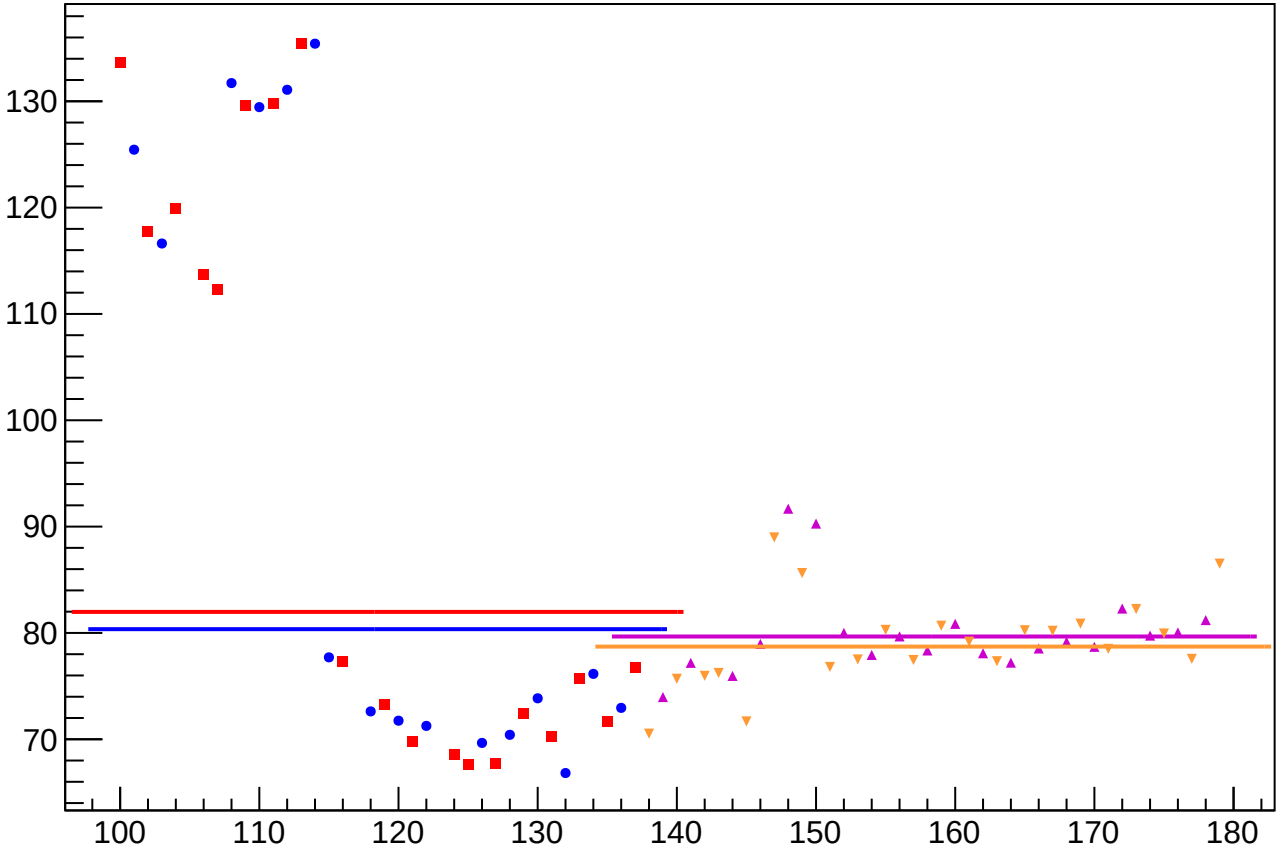
Left In: 146.279+/-19.744 χ^2/NDF:15.8/19

+ sign -112.623+/-16.081 χ^2/NDF: 76.1/37

All: -10.748+/-11.571 χ^2/NDF: 221.1/76

- sign 98.632+/-16.662 χ^2/NDF: 61.7/38

eigen_cor_asym_sam1_rms vs Slug



Right In: 80.354+/-0.022 χ^2/NDF: 840039.7/15

Left Out: 78.715+/-0.013 χ^2/NDF:98092.9/21

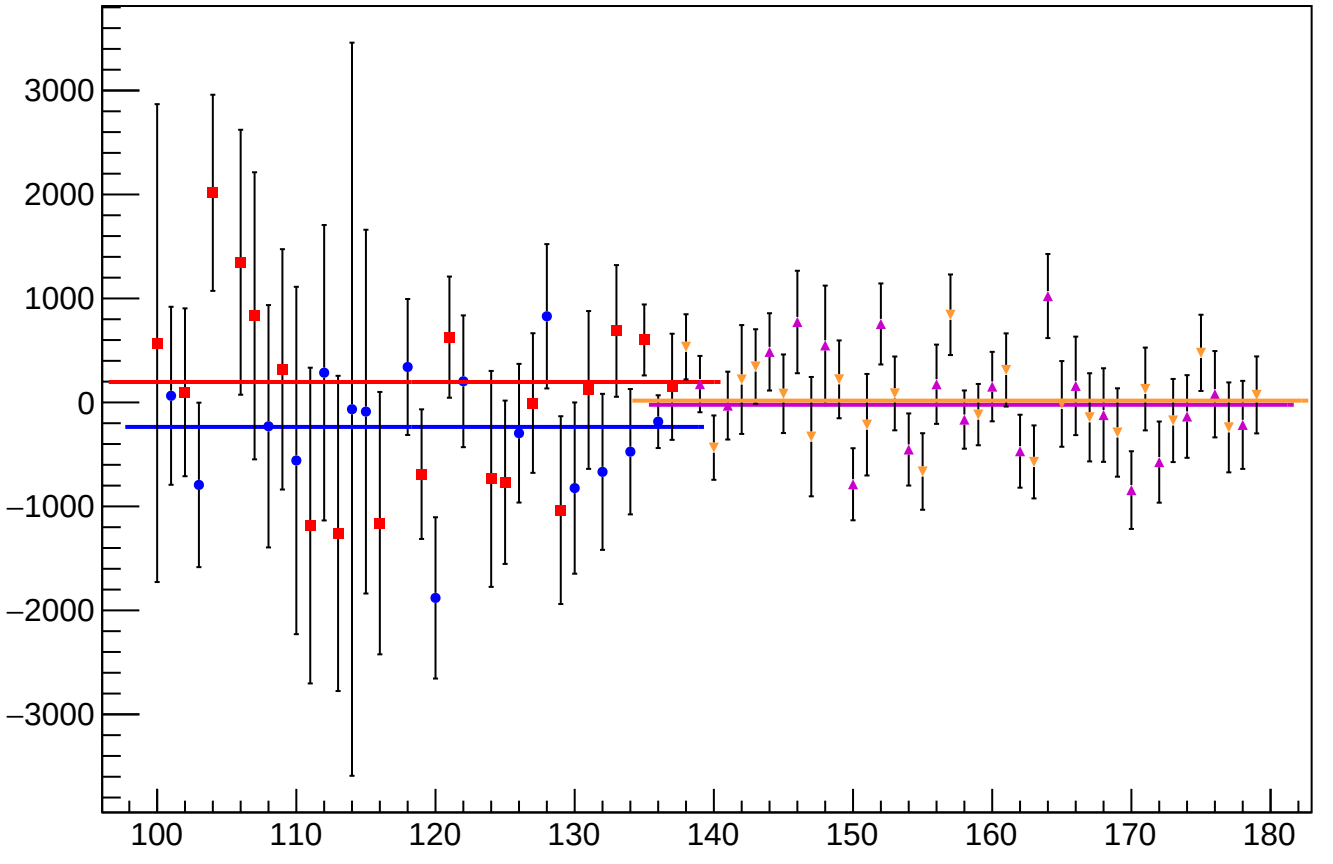
Right Out: 81.978+/-0.022 χ^2/NDF: 930466.5/18

Left In: 79.664+/-0.014 χ^2/NDF:76379.4/19

+ sign 79.162+/-0.011 χ^2/NDF: 942253.1/37

All: 79.725+/-0.008 χ^2/NDF: 1962089.2/76

- sign 80.330+/-0.012 χ^2/NDF: 1014752.5/38



Right In: -235.519+/-163.765 χ^2/NDF: 9.9/15

Left Out: 17.331+/-80.913 χ^2/NDF:21.4/21

Right Out: 196.579+/-170.492 χ^2/NDF: 16.6/18

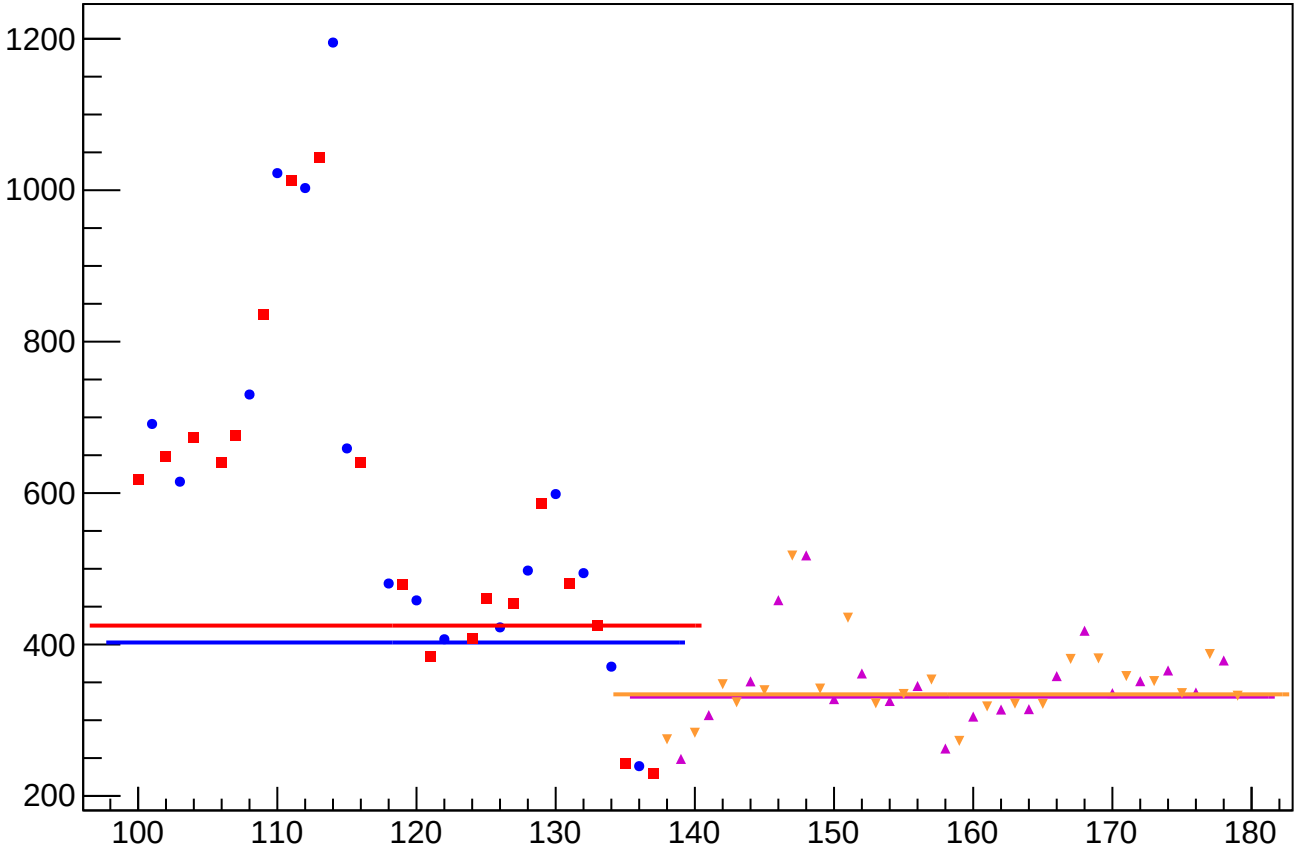
Left In: -22.488+/-83.241 χ^2/NDF:32.9/19

+ sign -32.283+/-72.542 χ^2/NDF: 33.3/37

All: -7.098+/-52.075 χ^2/NDF: 84.3/76

- sign 19.681+/-74.802 χ^2/NDF: 50.8/38

asym_sam1_eigen_cor_correction_rms vs Slug



Right In: 402.658+/-0.116 χ^2/NDF: 2360087.3/15

Left Out: 334.178+/-0.057 χ^2/NDF:613429.4/21

Right Out: 424.988+/-0.121 χ^2/NDF: 2341027.2/18

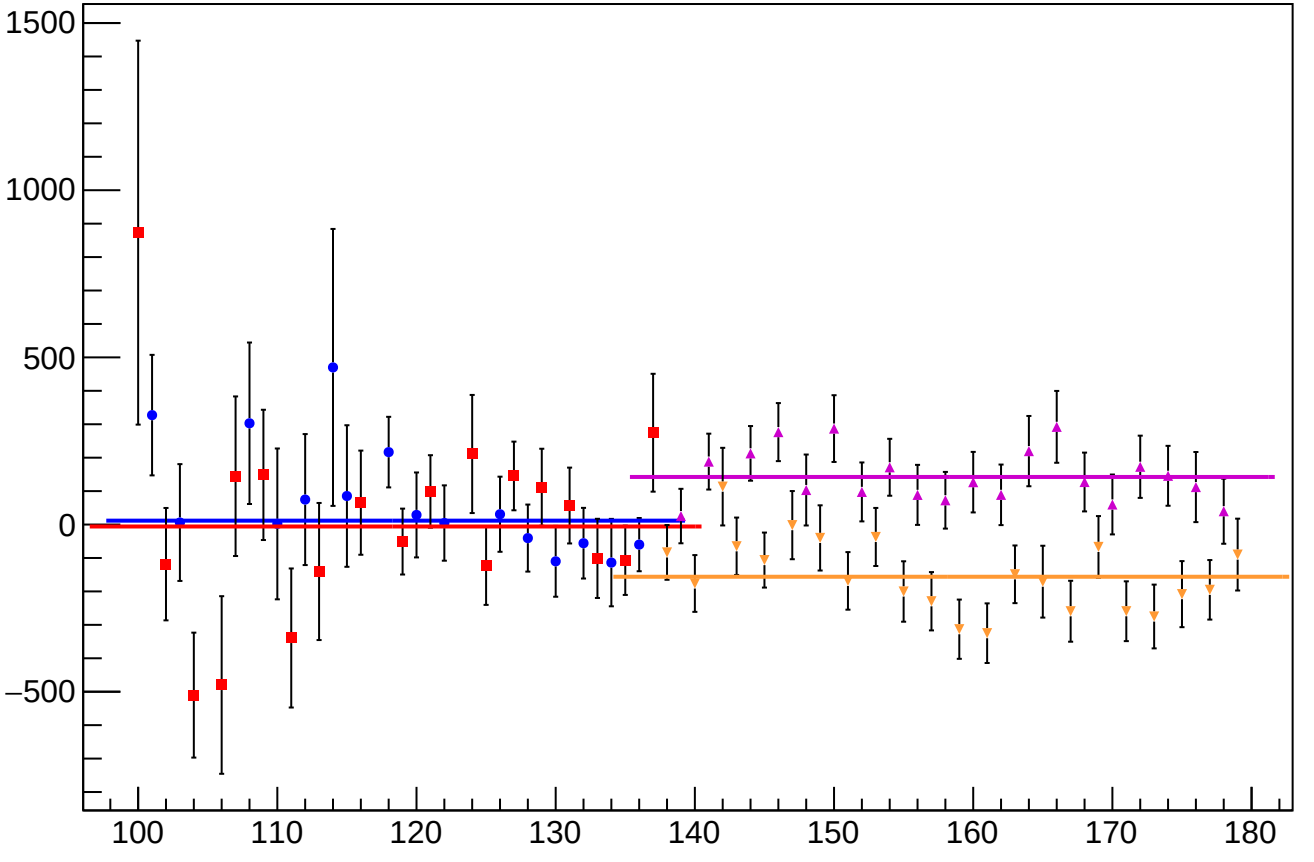
Left In: 331.116+/-0.059 χ^2/NDF:829951.5/19

+ sign 347.615+/-0.051 χ^2/NDF: 3254612.9/37

All: 348.376+/-0.037 χ^2/NDF: 6915646.3/76

- sign 349.185+/-0.053 χ^2/NDF: 3660579.0/38

dit_asym_sam1_mean vs Slug



Right In: 11.651+/-32.297 χ^2/NDF: 13.5/15

Left Out: -156.121+/-19.497 χ^2/NDF:27.0/21

Right Out: -5.817+/-32.444 χ^2/NDF: 28.8/18

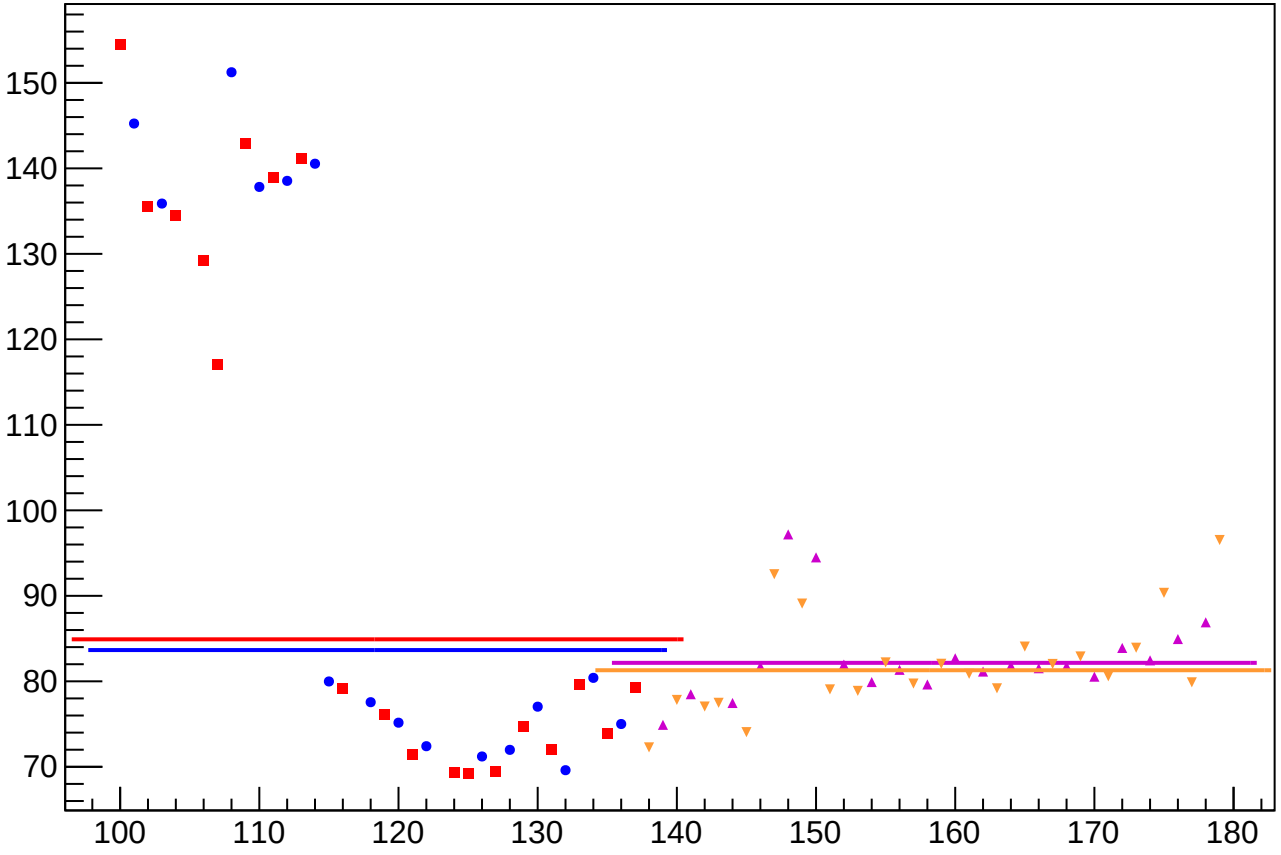
Left In: 142.342+/-20.382 χ^2/NDF:14.2/19

+ sign -111.312+/-16.691 χ^2/NDF: 60.3/37

All: -8.987+/-11.998 χ^2/NDF: 196.0/76

- sign 100.416+/-17.259 χ^2/NDF: 57.9/38

dit_asym_sam1_rms vs Slug



Right In: 83.657+/-0.023 χ^2/NDF: 1034794.6/15

Left Out: 81.297+/-0.014 χ^2/NDF:153172.7/21

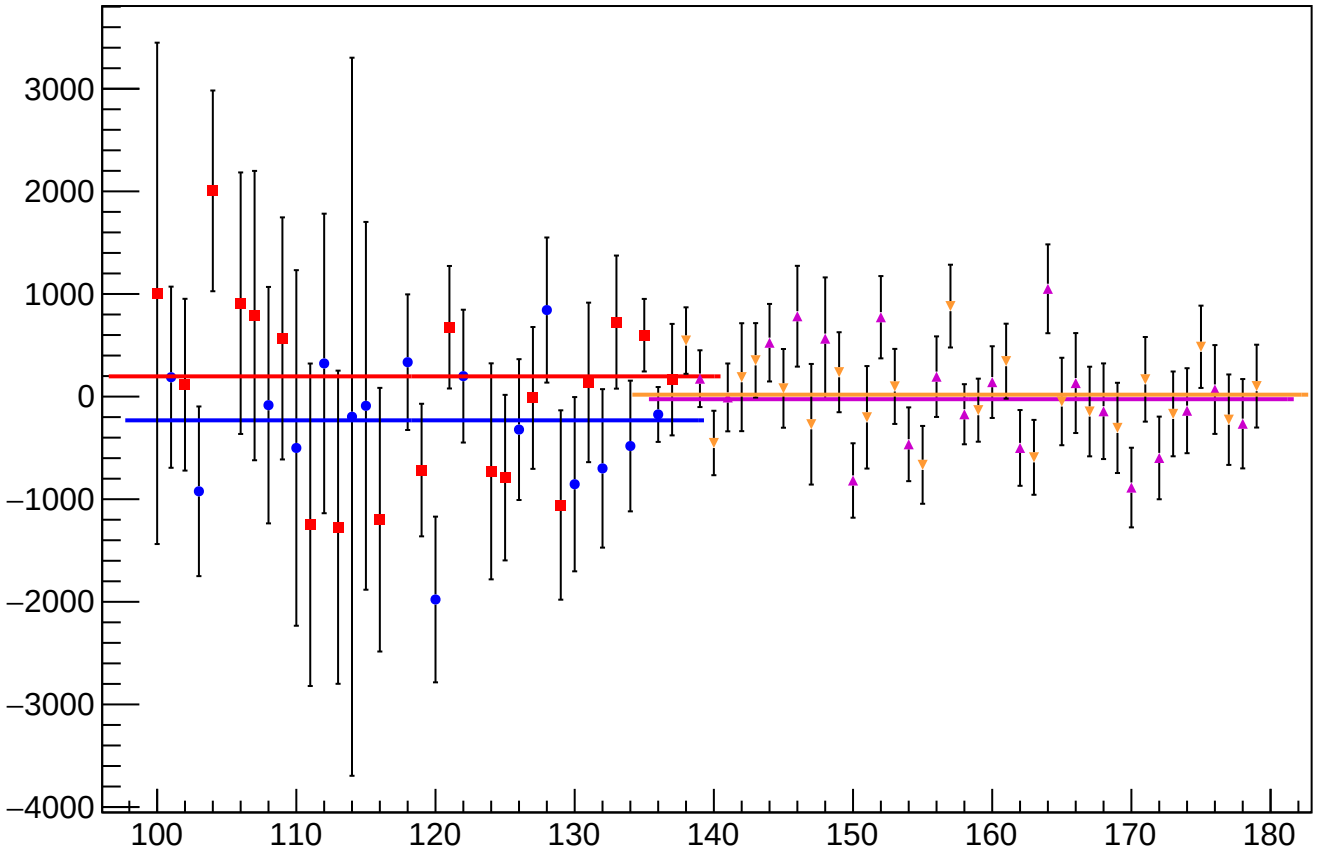
Right Out: 84.913+/-0.023 χ^2/NDF: 1121669.5/18

Left In: 82.162+/-0.014 χ^2/NDF:108340.7/19

+ sign 81.927+/-0.012 χ^2/NDF: 1195796.5/37

All: 82.417+/-0.008 χ^2/NDF: 2439680.7/76

- sign 82.940+/-0.012 χ^2/NDF: 1240322.5/38



Right In: -231.407+/-170.133 χ^2/NDF: 10.4/15

Left Out: 18.725+/-83.767 χ^2/NDF:21.1/21

Right Out: 197.206+/-176.091 χ^2/NDF: 15.9/18

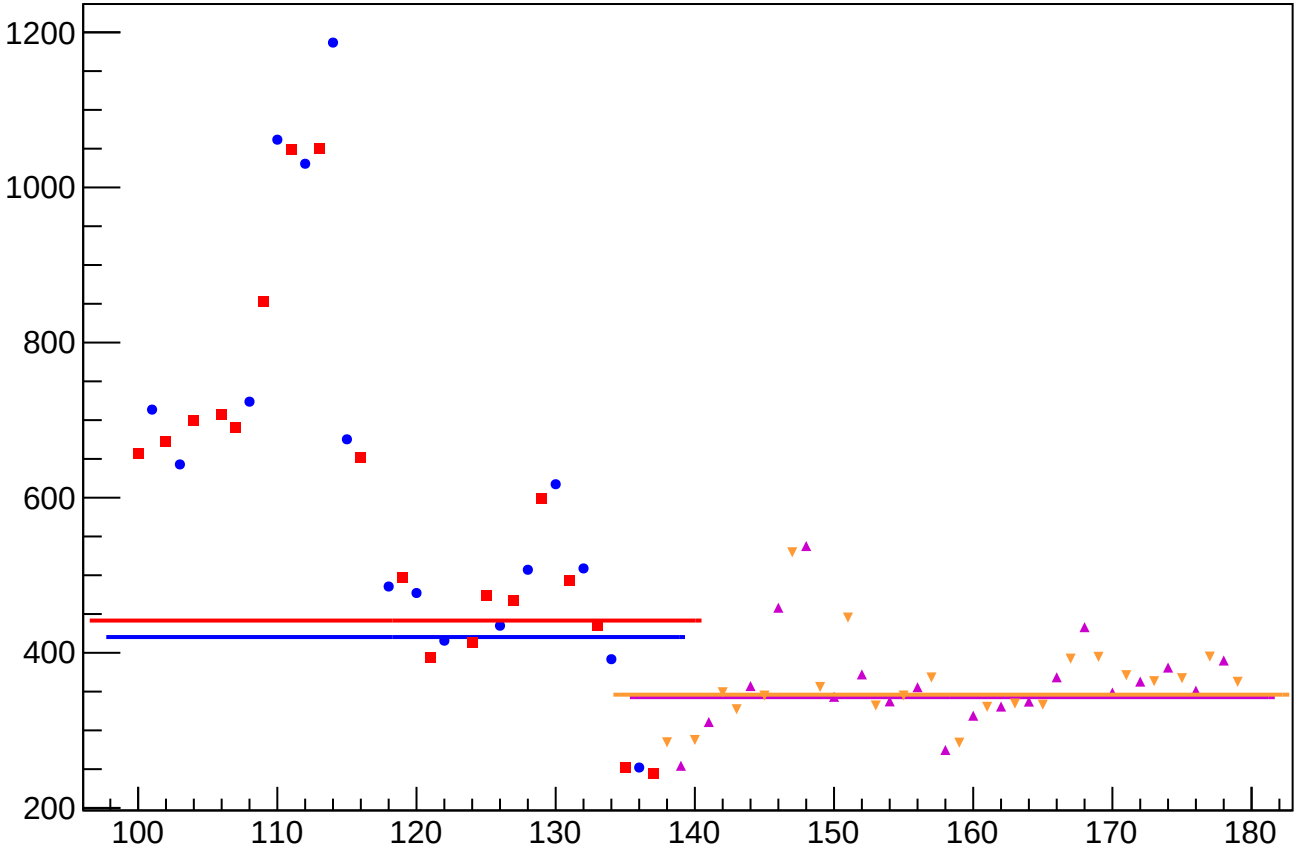
Left In: -25.406+/-86.130 χ^2/NDF:32.7/19

+ sign -30.081+/-75.152 χ^2/NDF: 33.2/37

All: -6.948+/-53.908 χ^2/NDF: 83.3/76

- sign 17.570+/-77.371 χ^2/NDF: 49.9/38

asym_sam1_dit_correction_rms vs Slug



Right In: 420.329+/-0.120 χ^2/NDF: 2254610.0/15

Left Out: 346.049+/-0.059 χ^2/NDF:611732.6/21

Right Out: 441.598+/-0.125 χ^2/NDF: 2307588.5/18

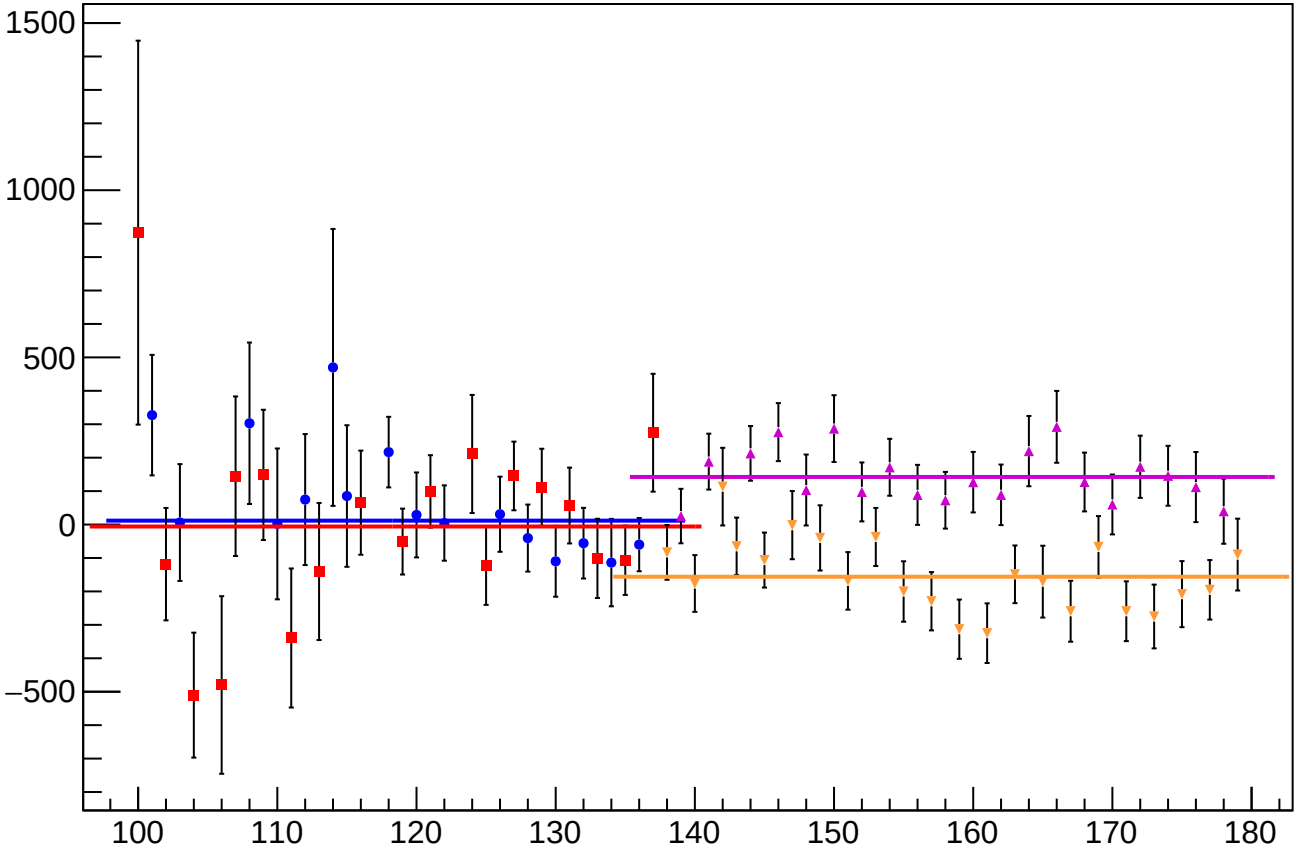
Left In: 342.828+/-0.061 χ^2/NDF:810157.1/19

+ sign 360.543+/-0.053 χ^2/NDF: 3173196.7/37

All: 361.200+/-0.038 χ^2/NDF: 6799001.4/76

- sign 361.896+/-0.055 χ^2/NDF: 3625489.7/38

eigen_dit_asym_sam1_mean vs Slug



Right In: 11.652+/-32.297 χ^2/NDF: 13.5/15

Left Out: -156.121+/-19.497 χ^2/NDF:27.0/21

Right Out: -5.816+/-32.444 χ^2/NDF: 28.8/18

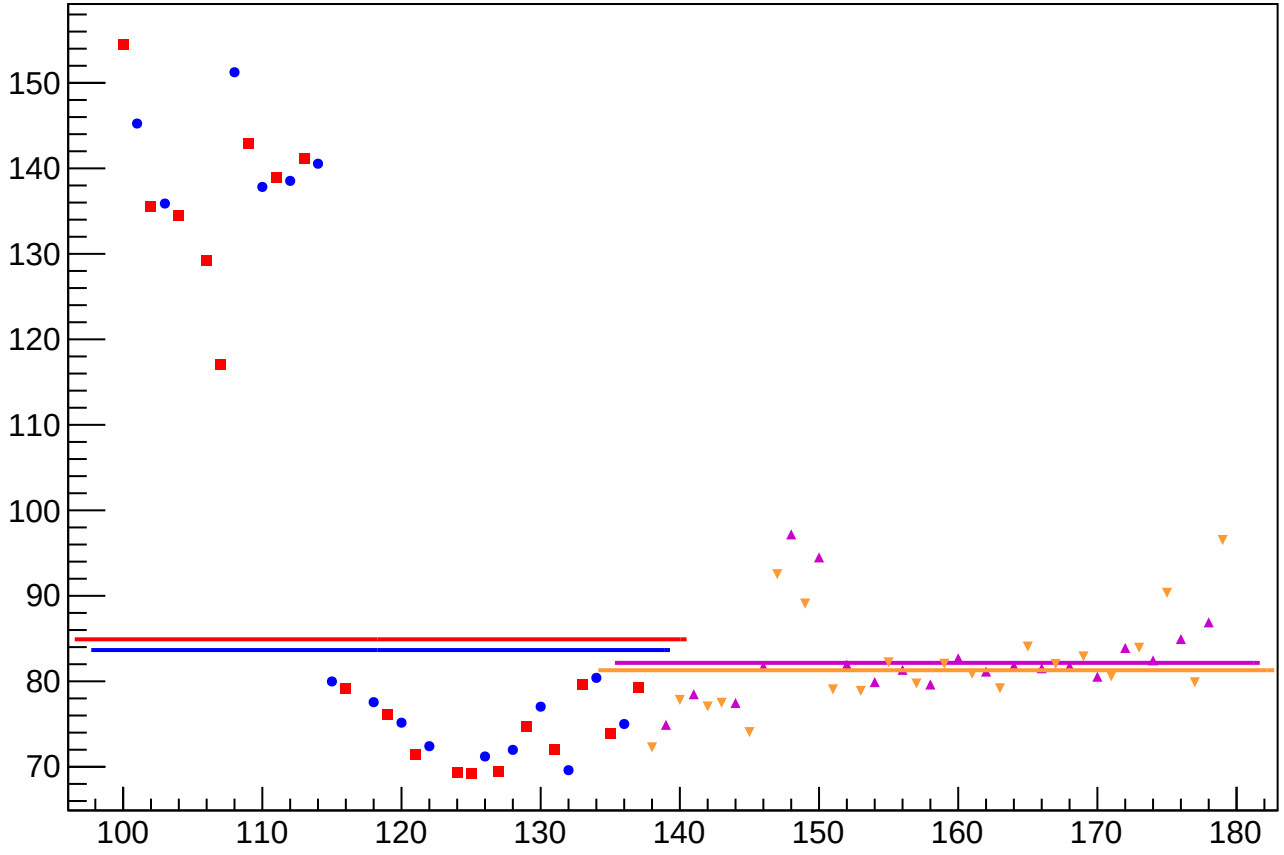
Left In: 142.342+/-20.382 χ^2/NDF:14.2/19

+ sign -111.312+/-16.691 χ^2/NDF: 60.3/37

All: -8.986+/-11.998 χ^2/NDF: 196.0/76

- sign 100.416+/-17.259 χ^2/NDF: 57.9/38

eigen_dit_asym_sam1_rms vs Slug



Right In: 83.657+/-0.023 χ^2/NDF: 1034794.1/15

Left Out: 81.297+/-0.014 χ^2/NDF:153173.0/21

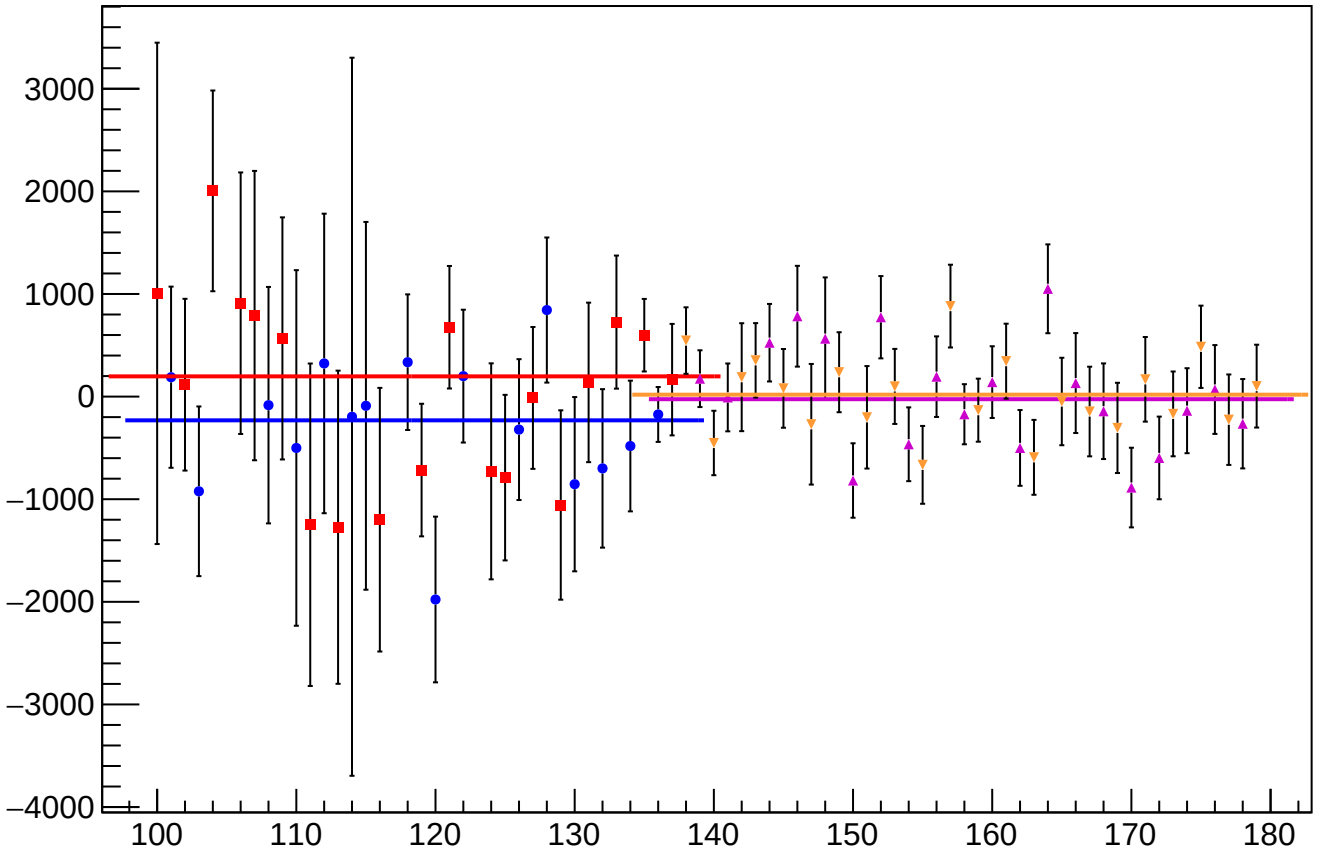
Right Out: 84.913+/-0.023 χ^2/NDF: 1121668.5/18

Left In: 82.162+/-0.014 χ^2/NDF:108339.7/19

+ sign 81.927+/-0.012 χ^2/NDF: 1195796.0/37

All: 82.417+/-0.008 χ^2/NDF: 2439677.7/76

- sign 82.940+/-0.012 χ^2/NDF: 1240320.1/38



Right In: -231.405+/-170.132 χ^2/NDF: 10.4/15

Left Out: 18.726+/-83.767 χ^2/NDF:21.1/21

Right Out: 197.207+/-176.091 χ^2/NDF: 15.9/18

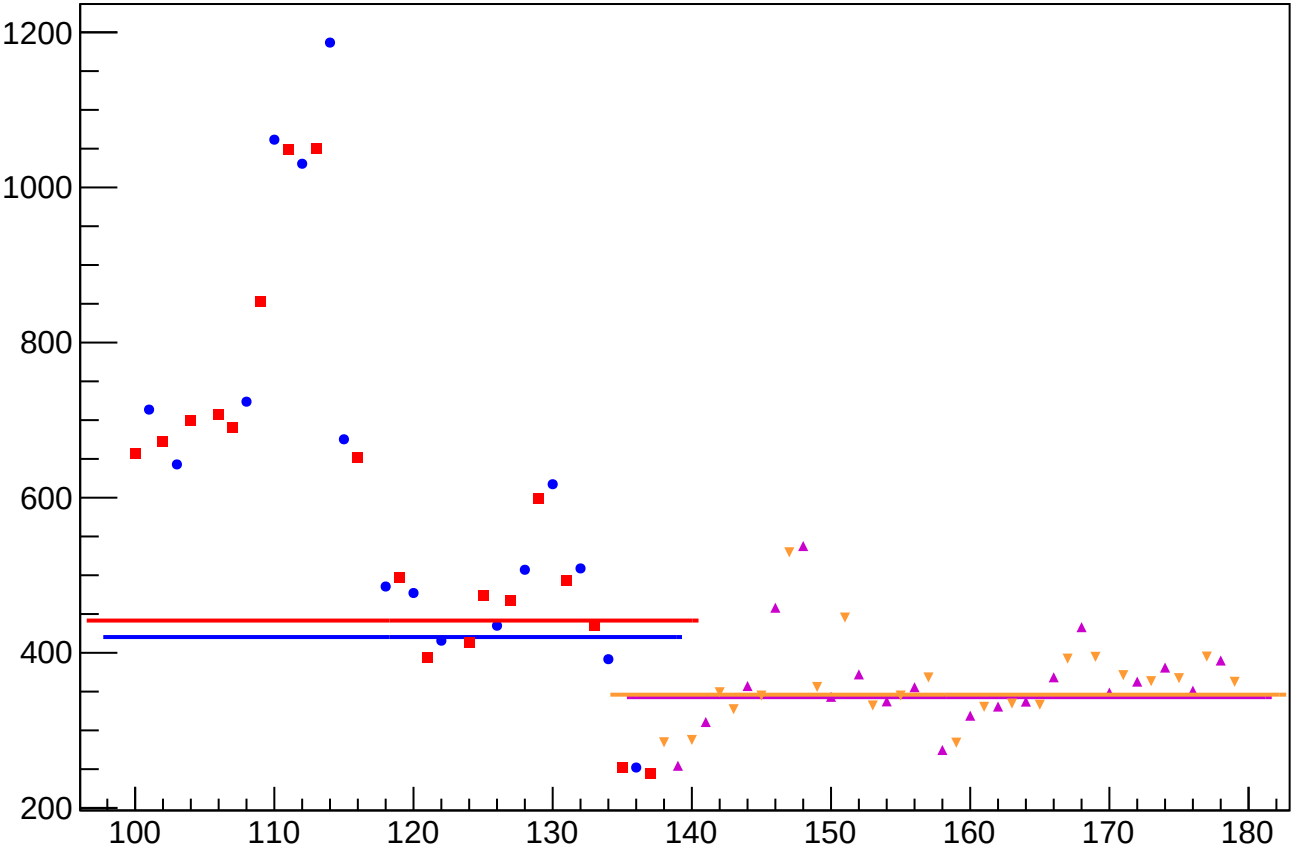
Left In: -25.406+/-86.130 χ^2/NDF:32.7/19

\+ sign -30.080+/-75.152 χ^2/NDF: 33.2/37

All: -6.948+/-53.908 χ^2/NDF: 83.3/76

\- sign 17.571+/-77.371 χ^2/NDF: 49.9/38

asym_sam1_eigen_dit_correction_rms vs Slug



Right In: 420.329+/-0.120 χ^2/NDF: 2254614.9/15

Left Out: 346.049+/-0.059 χ^2/NDF:611734.1/21

Right Out: 441.597+/-0.125 χ^2/NDF: 2307595.1/18

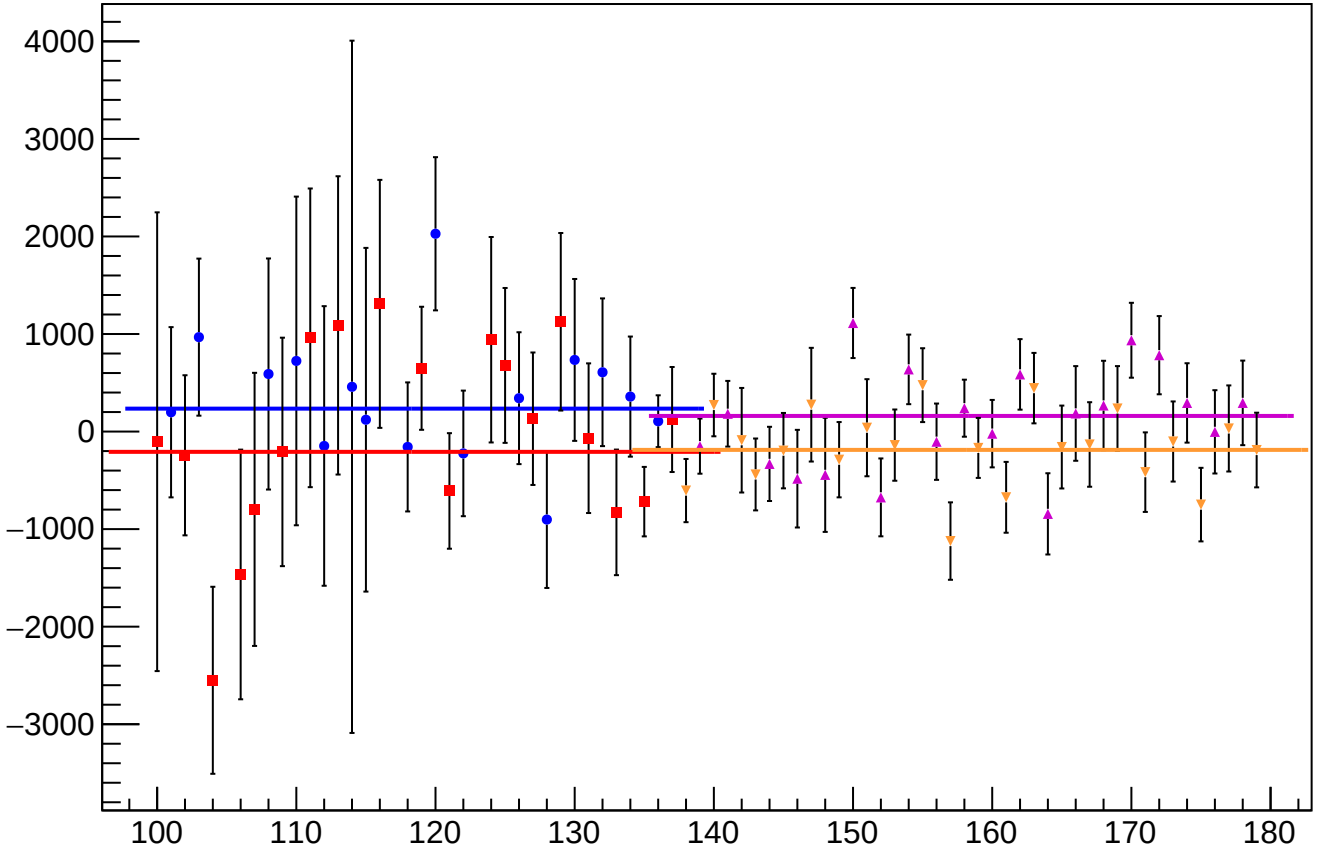
Left In: 342.828+/-0.061 χ^2/NDF:810160.0/19

+ sign 360.542+/-0.053 χ^2/NDF: 3173198.8/37

All: 361.199+/-0.038 χ^2/NDF: 6799007.0/76

- sign 361.896+/-0.055 χ^2/NDF: 3625493.3/38

asym_sam1_mean vs Slug



Right In: 235.054+/-168.199 χ^2/NDF: 10.7/15

Left Out: -187.815+/-83.256 χ^2/NDF:22.4/21

Right Out: -207.936+/-174.716 χ^2/NDF: 20.4/18

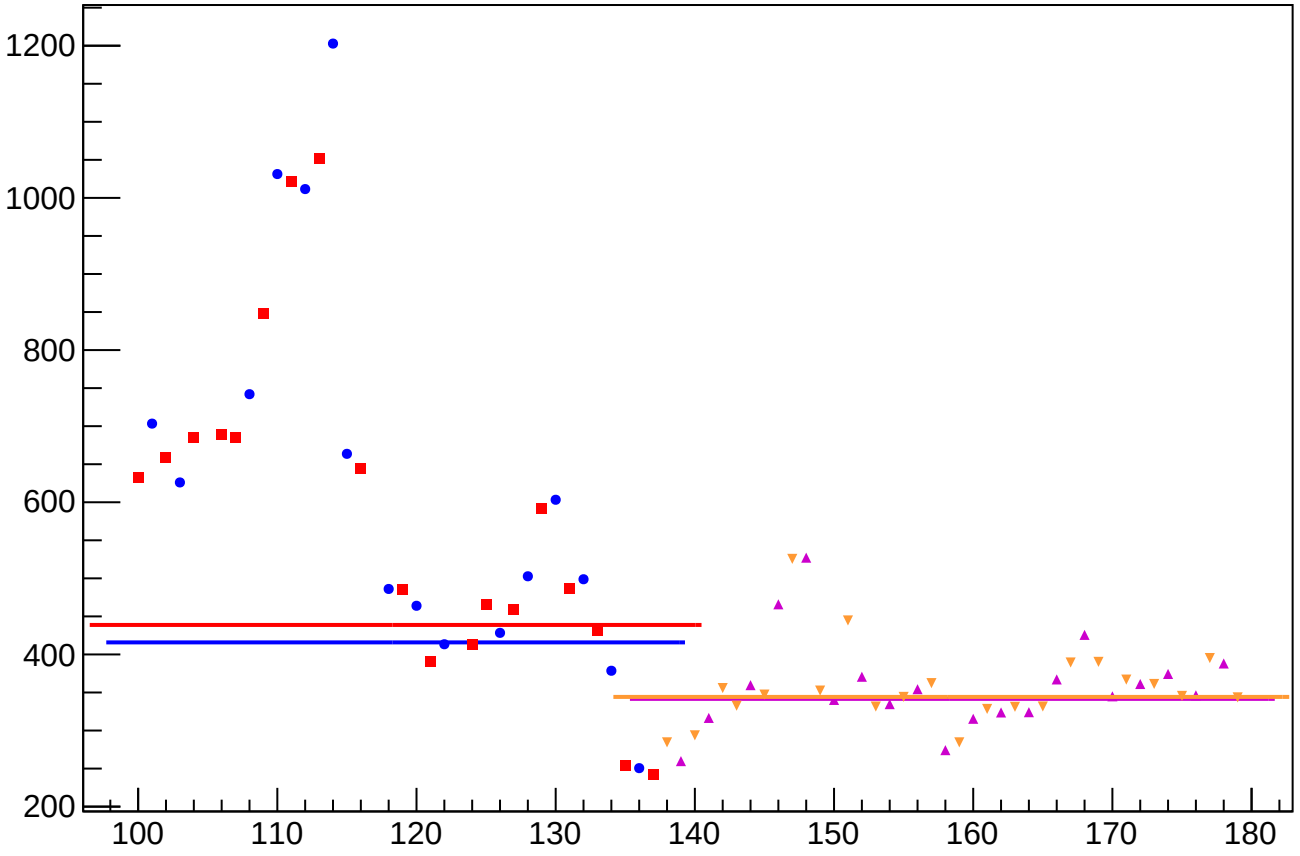
Left In: 160.225+/-85.768 χ^2/NDF:33.7/19

+ sign -104.597+/-74.616 χ^2/NDF: 38.2/37

All: -10.961+/-53.582 χ^2/NDF: 99.1/76

- sign 88.733+/-76.992 χ^2/NDF: 57.6/38

asym_sam1_rms vs Slug



Right In: 415.840+/-0.119 χ^2/NDF: 2223949.6/15

Left Out: 344.190+/-0.059 χ^2/NDF:567795.7/21

Right Out: 438.773+/-0.124 χ^2/NDF: 2234776.6/18

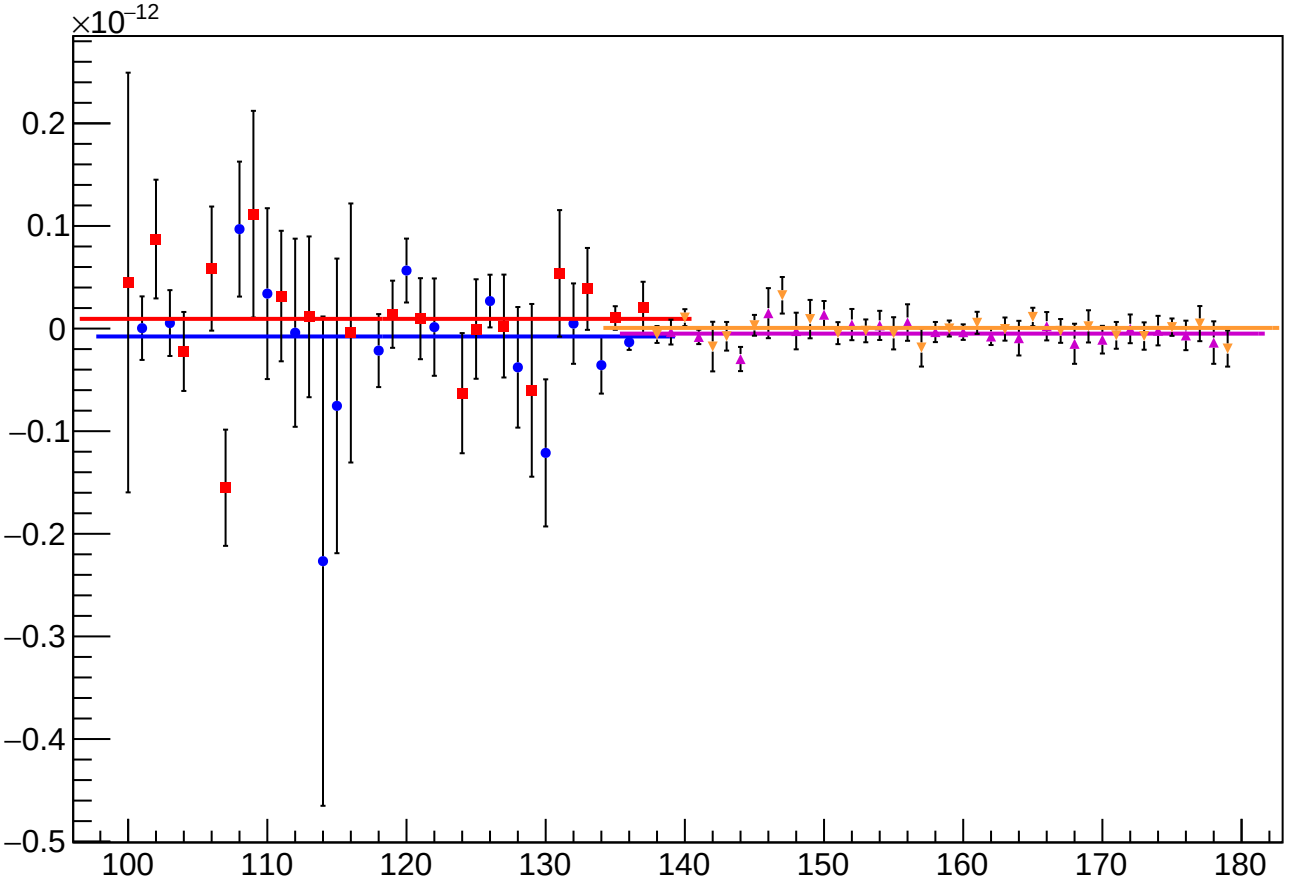
Left In: 341.612+/-0.061 χ^2/NDF:761609.1/19

+ sign 358.290+/-0.053 χ^2/NDF: 3083243.5/37

All: 359.351+/-0.038 χ^2/NDF: 6578870.3/76

- sign 360.479+/-0.054 χ^2/NDF: 3494793.1/38

asym_sam1_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.7/21

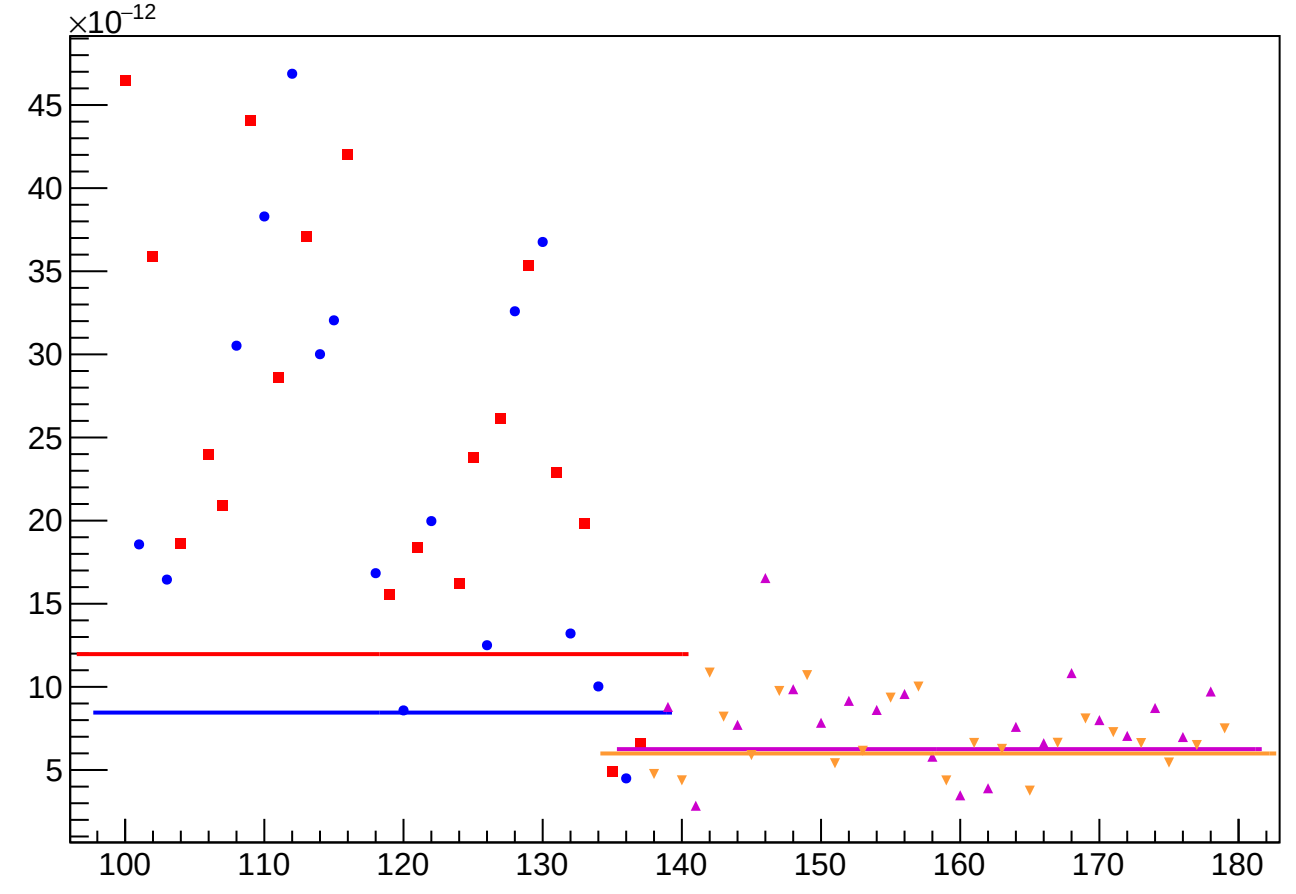
Right Out: 0.000+/-0.000 χ^2/NDF: 16.3/18

Left In: -0.000+/-0.000 χ^2/NDF:9.6/19

+ sign -0.000+/-0.000 χ^2/NDF: 28.0/37

All: -0.000+/-0.000 χ^2/NDF: 57.4/76

- sign -0.000+/-0.000 χ^2/NDF: 28.7/38



Right In: 0.000+/-0.000 χ^2/NDF: 2756090.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:971788.3/21

Right Out: 0.000+/-0.000 χ^2/NDF: 2760154.9/18

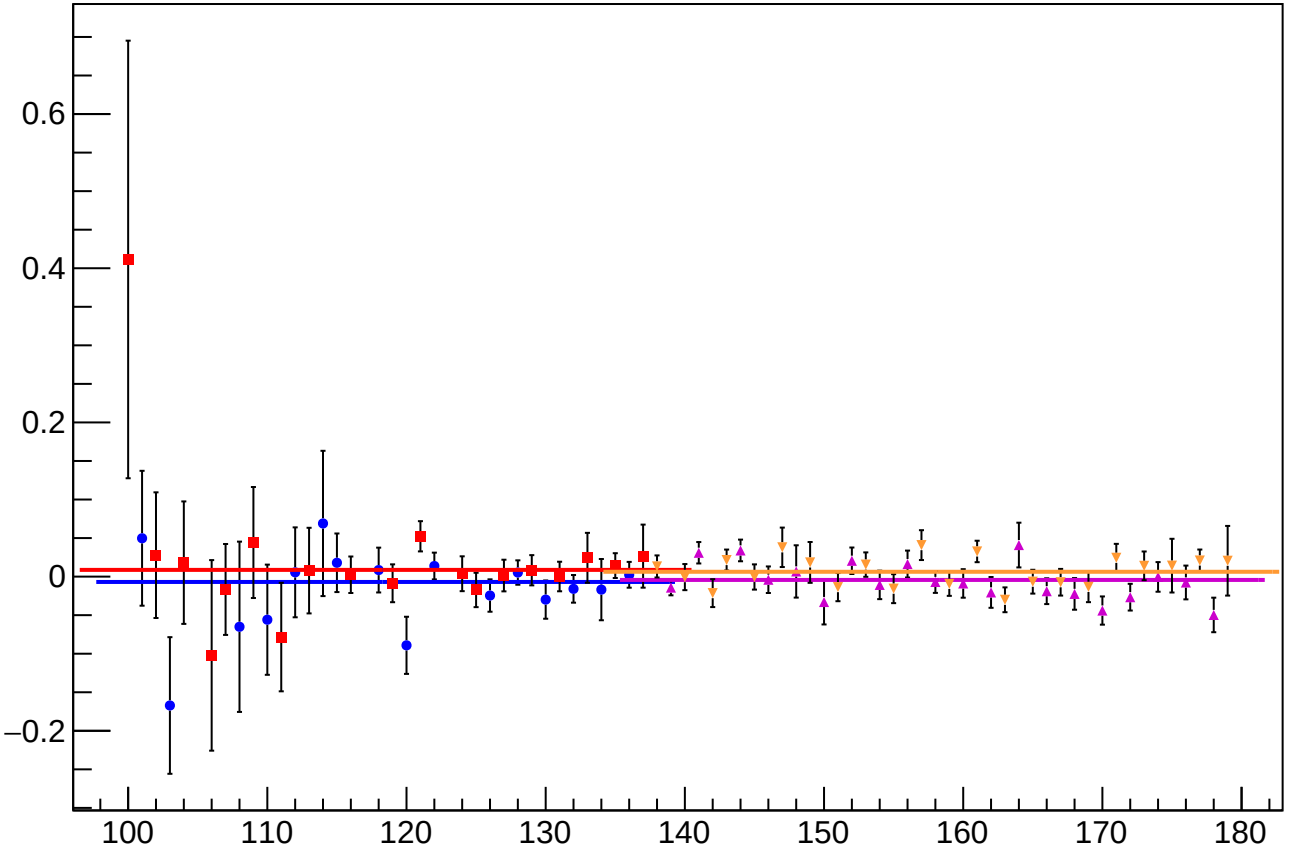
Left In: 0.000+/-0.000 χ^2/NDF:1967635.2/19

+ sign 0.000+/-0.000 χ^2/NDF: 4002888.3/37

All: 0.000+/-0.000 χ^2/NDF: 9656059.6/76

- sign 0.000+/-0.000 χ^2/NDF: 5610976.1/38

asym_sam1_dit_vs_cor_diff_mean vs Slug



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.006+/-0.004 χ^2/NDF:26.4/21

Right Out: 0.009+/-0.006 χ^2/NDF: 12.6/18

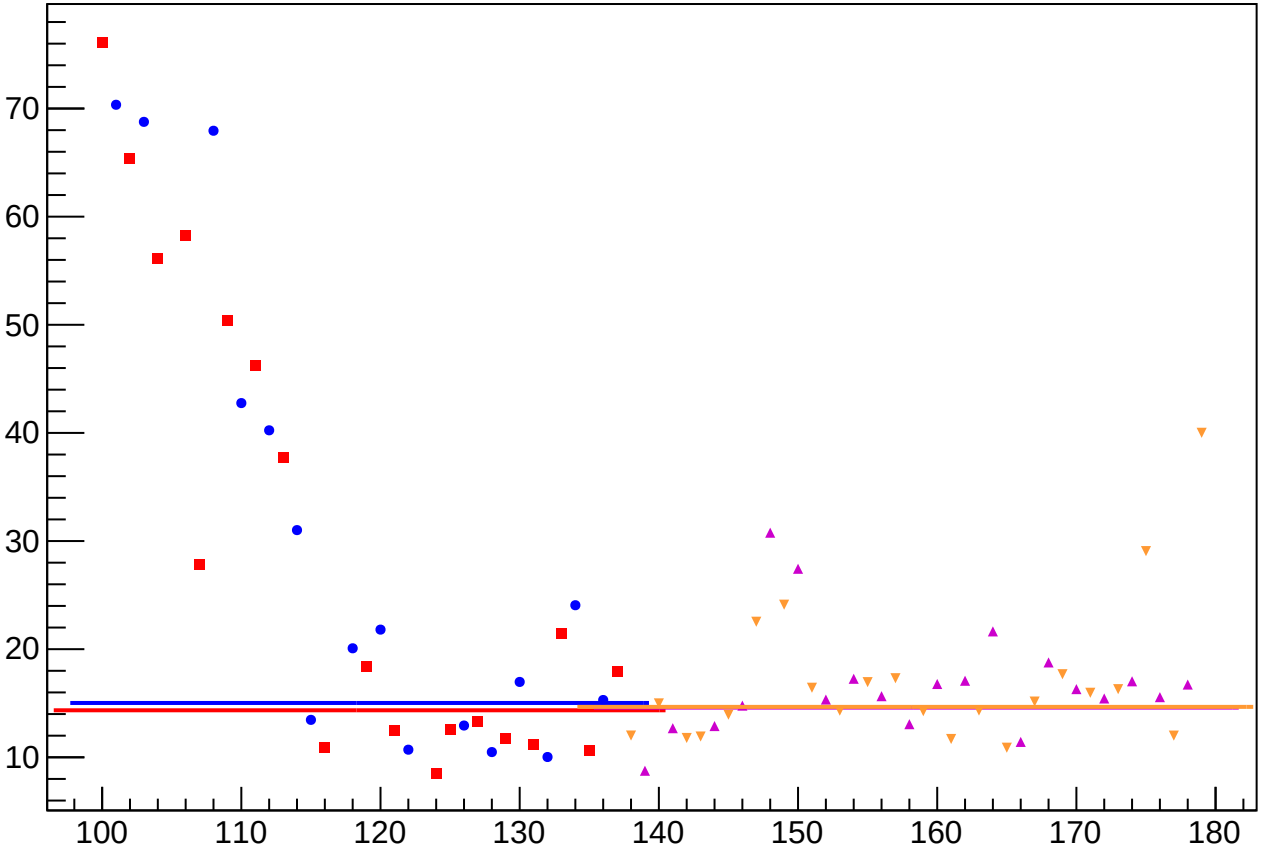
Left In: -0.004+/-0.004 χ^2/NDF:34.8/19

+ sign 0.003+/-0.003 χ^2/NDF: 44.2/37

All: 0.001+/-0.002 χ^2/NDF: 95.4/76

- sign -0.001+/-0.003 χ^2/NDF: 50.5/38

asym_sam1_dit_vs_cor_diff_rms vs Slug



Right In: 15.026+/-0.005 χ^2/NDF: 3438260.9/15

Left Out: 14.664+/-0.003 χ^2/NDF:2063441.1/21

Right Out: 14.348+/-0.005 χ^2/NDF: 3629014.9/18

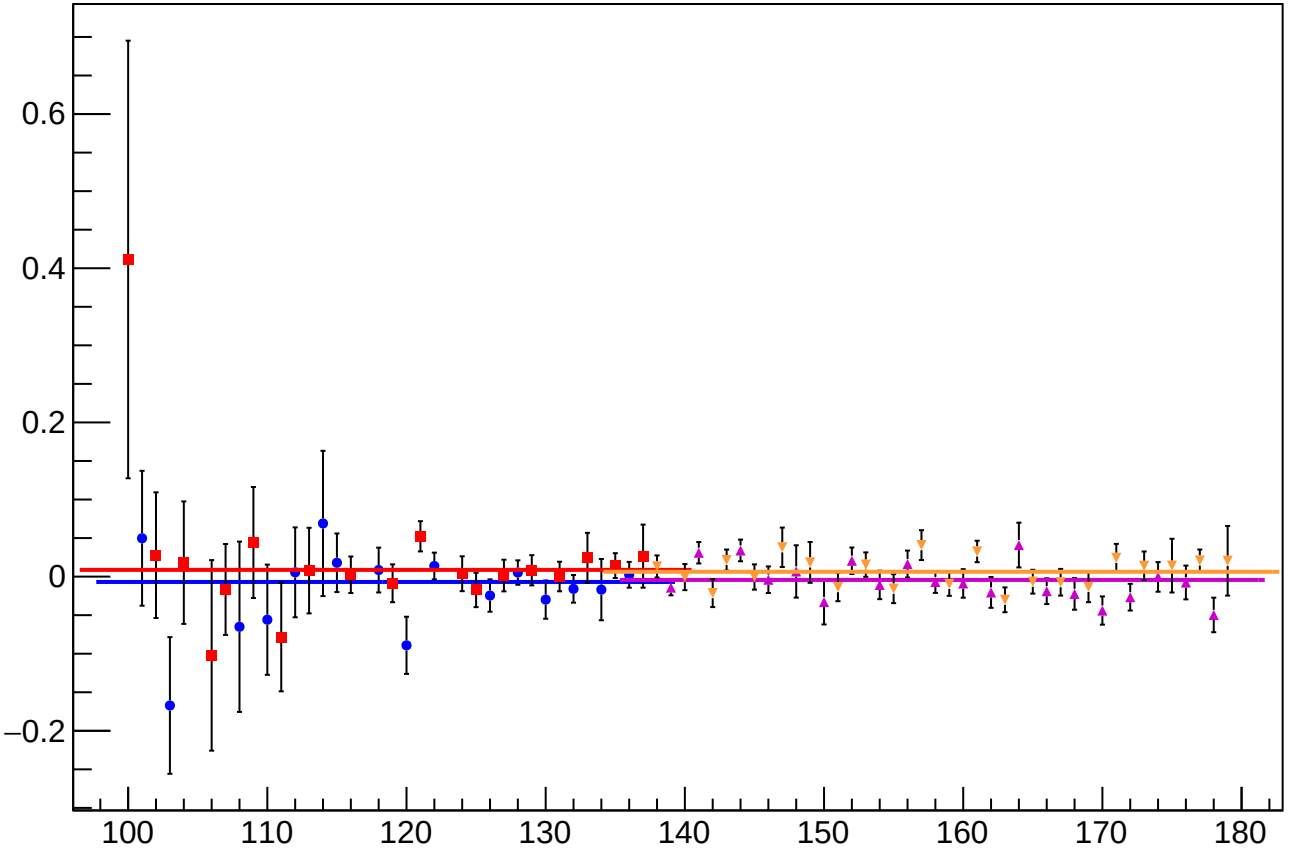
Left In: 14.595+/-0.003 χ^2/NDF:2070942.9/19

+ sign 14.749+/-0.002 χ^2/NDF: 5506115.4/37

All: 14.641+/-0.002 χ^2/NDF: 11212739.7/76

- sign 14.528+/-0.002 χ^2/NDF: 5702138.0/38

asym_sam1_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.006+/-0.004 χ^2/NDF:26.4/21

Right Out: 0.009+/-0.006 χ^2/NDF: 12.6/18

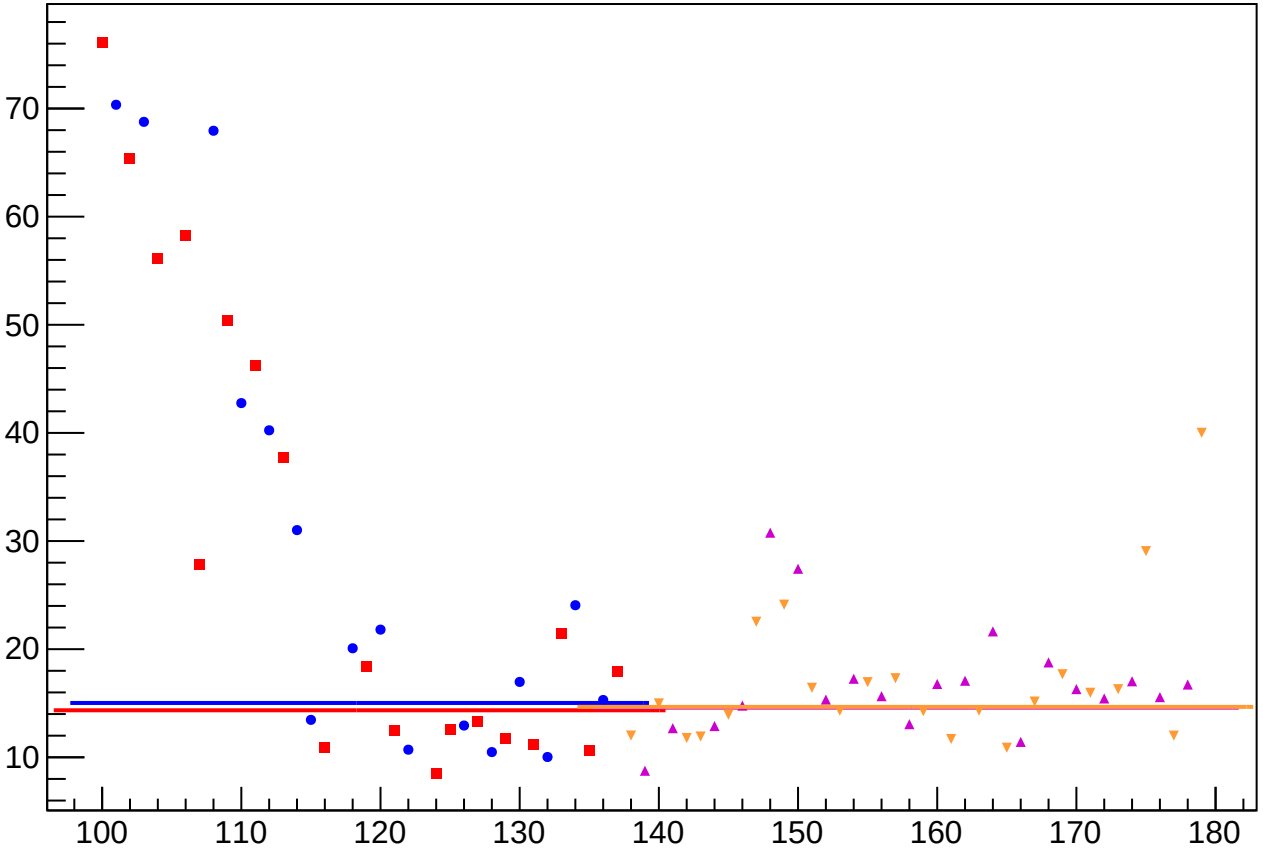
Left In: -0.004+/-0.004 χ^2/NDF:34.8/19

+ sign 0.003+/-0.003 χ^2/NDF: 44.2/37

All: 0.001+/-0.002 χ^2/NDF: 95.4/76

- sign -0.001+/-0.003 χ^2/NDF: 50.5/38

asym_sam1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 15.026+/-0.005 χ^2/NDF: 3438260.9/15

Left Out: 14.664+/-0.003 χ^2/NDF:2063441.1/21

Right Out: 14.348+/-0.005 χ^2/NDF: 3629014.9/18

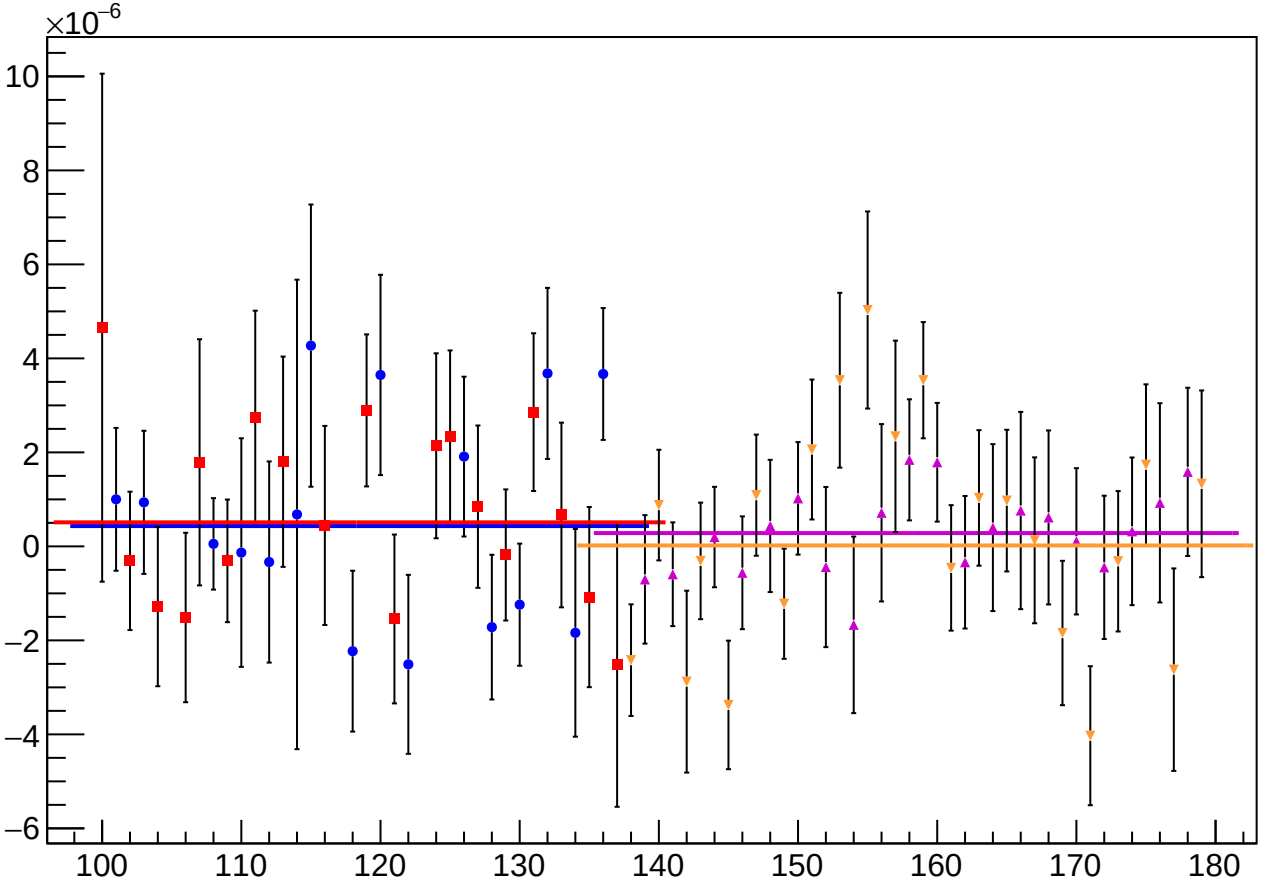
Left In: 14.595+/-0.003 χ^2/NDF:2070942.9/19

+ sign 14.749+/-0.002 χ^2/NDF: 5506115.4/37

All: 14.641+/-0.002 χ^2/NDF: 11212739.7/76

- sign 14.528+/-0.002 χ^2/NDF: 5702138.0/38

asym_sam1_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 23.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:48.6/21

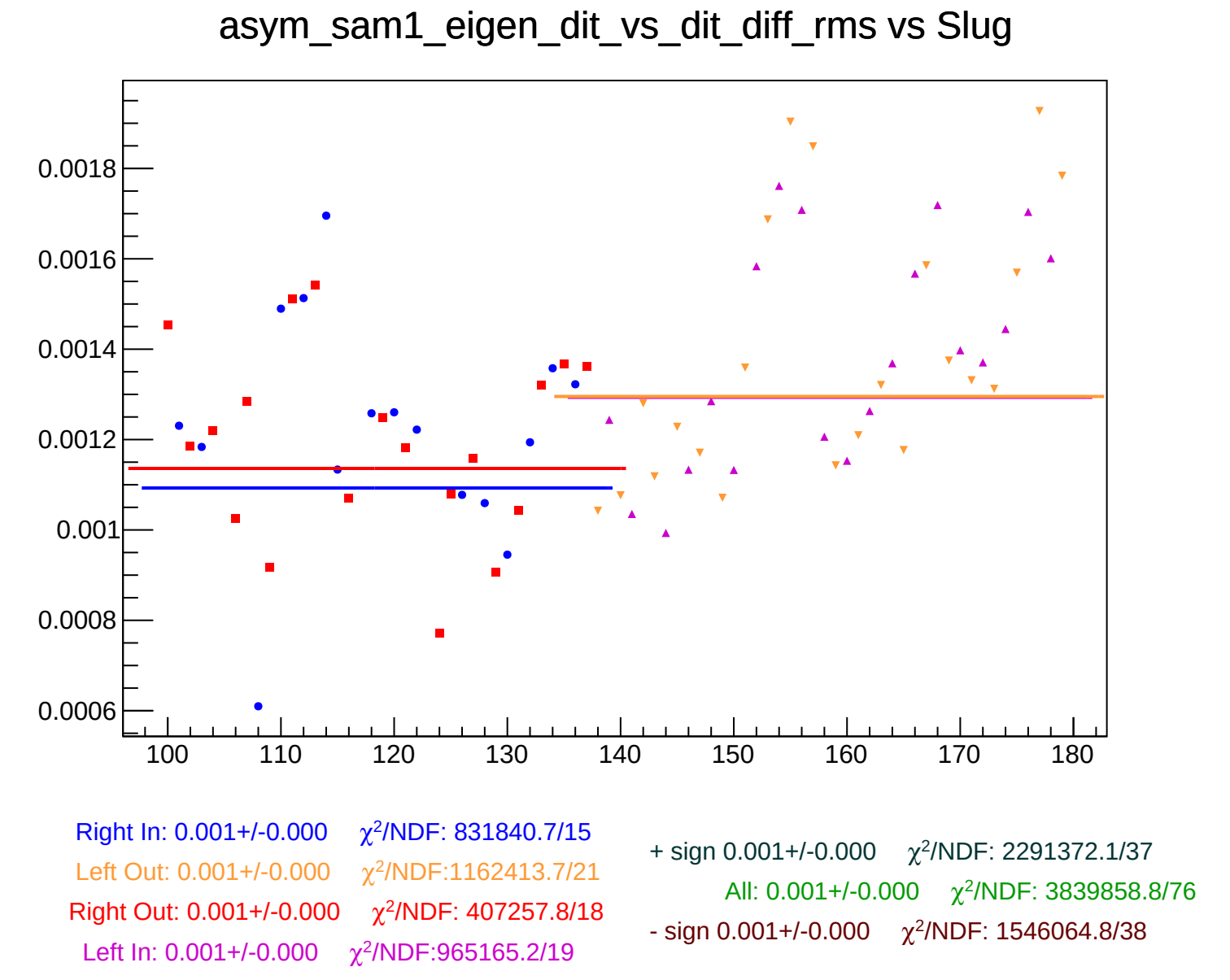
Right Out: 0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: 0.000+/-0.000 χ^2/NDF:7.4/19

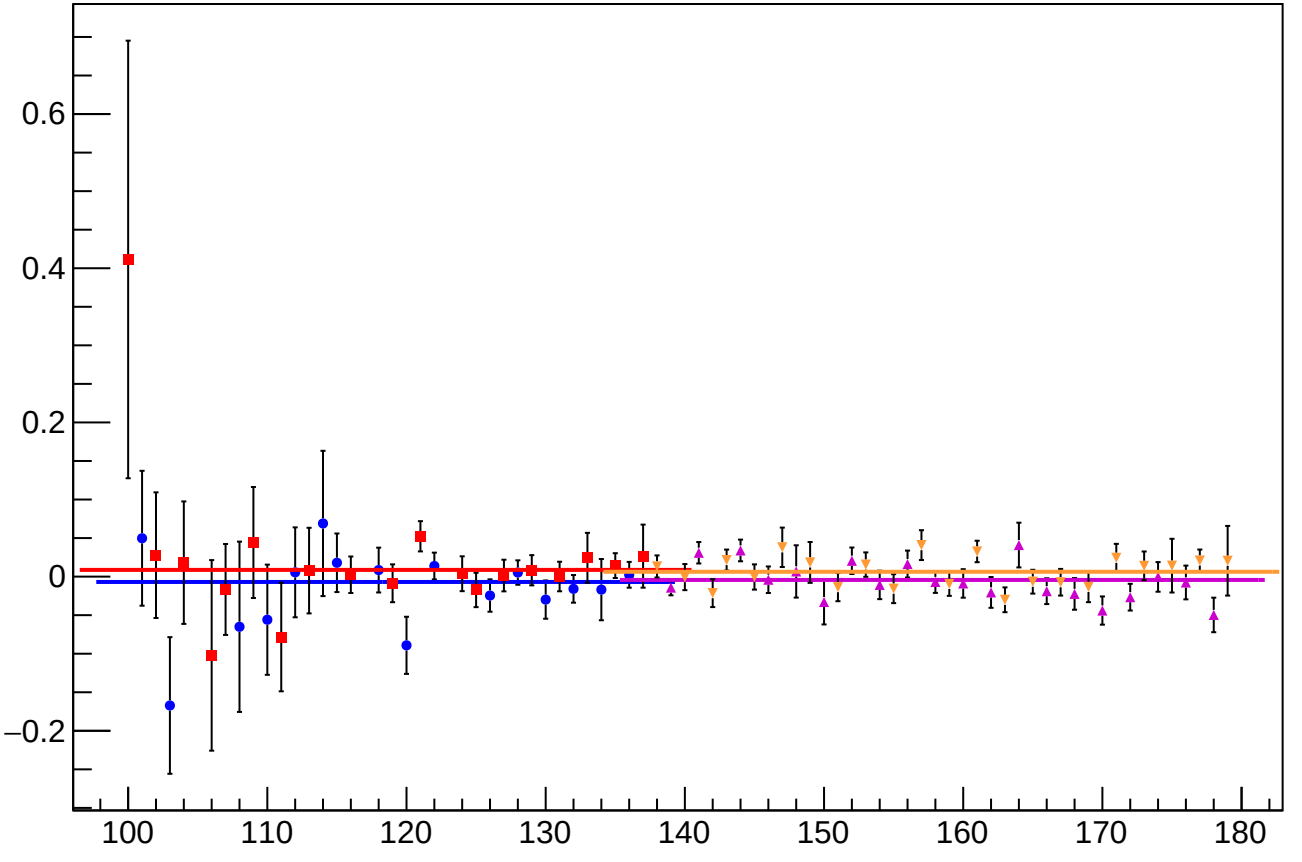
+ sign 0.000+/-0.000 χ^2/NDF: 72.4/37

All: 0.000+/-0.000 χ^2/NDF: 94.6/76

- sign 0.000+/-0.000 χ^2/NDF: 21.9/38


asym_sam1_eigen_dit_vs_dit_diff_rms vs Slug
0.0018
0.0016
0.0014
0.0012
0.001
0.0008
0.0006
100
110
120
130
140
150
160
170
180
Right In: 0.001+/-0.000 χ²/NDF: 831840.7/15
Left Out: 0.001+/-0.000 χ²/NDF:1162413.7/21
Right Out: 0.001+/-0.000 χ²/NDF: 407257.8/18
Left In: 0.001+/-0.000 χ²/NDF:965165.2/19
+ sign 0.001+/-0.000 χ²/NDF: 2291372.1/37
All: 0.001+/-0.000 χ²/NDF: 3839858.8/76
- sign 0.001+/-0.000 χ²/NDF: 1546064.8/38

asym_sam1_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.006+/-0.004 χ^2/NDF:26.4/21

Right Out: 0.009+/-0.006 χ^2/NDF: 12.6/18

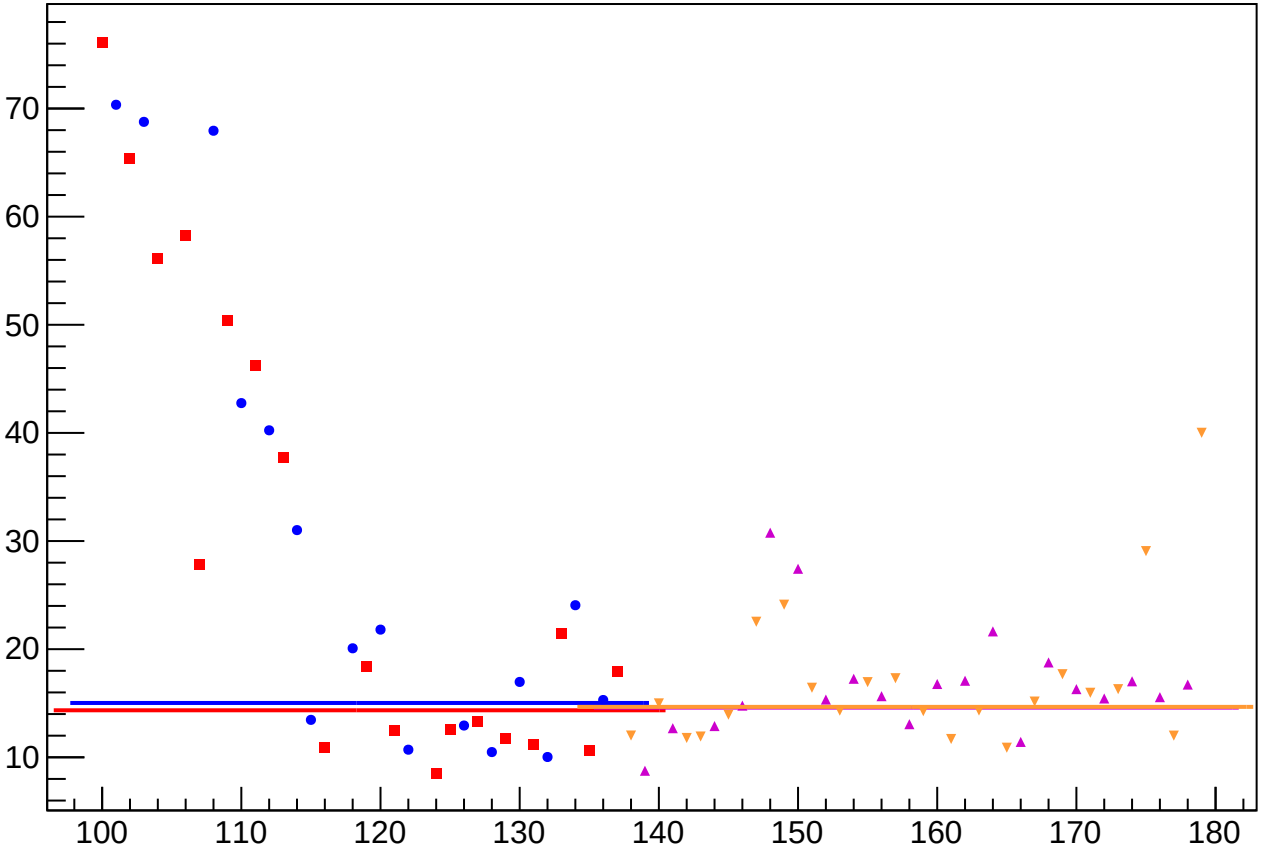
Left In: -0.004+/-0.004 χ^2/NDF:34.8/19

+ sign 0.003+/-0.003 χ^2/NDF: 44.2/37

All: 0.001+/-0.002 χ^2/NDF: 95.4/76

- sign -0.001+/-0.003 χ^2/NDF: 50.5/38

asym_sam1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 15.025+/-0.005 χ^2/NDF: 3438279.3/15

Left Out: 14.663+/-0.003 χ^2/NDF:2063611.7/21

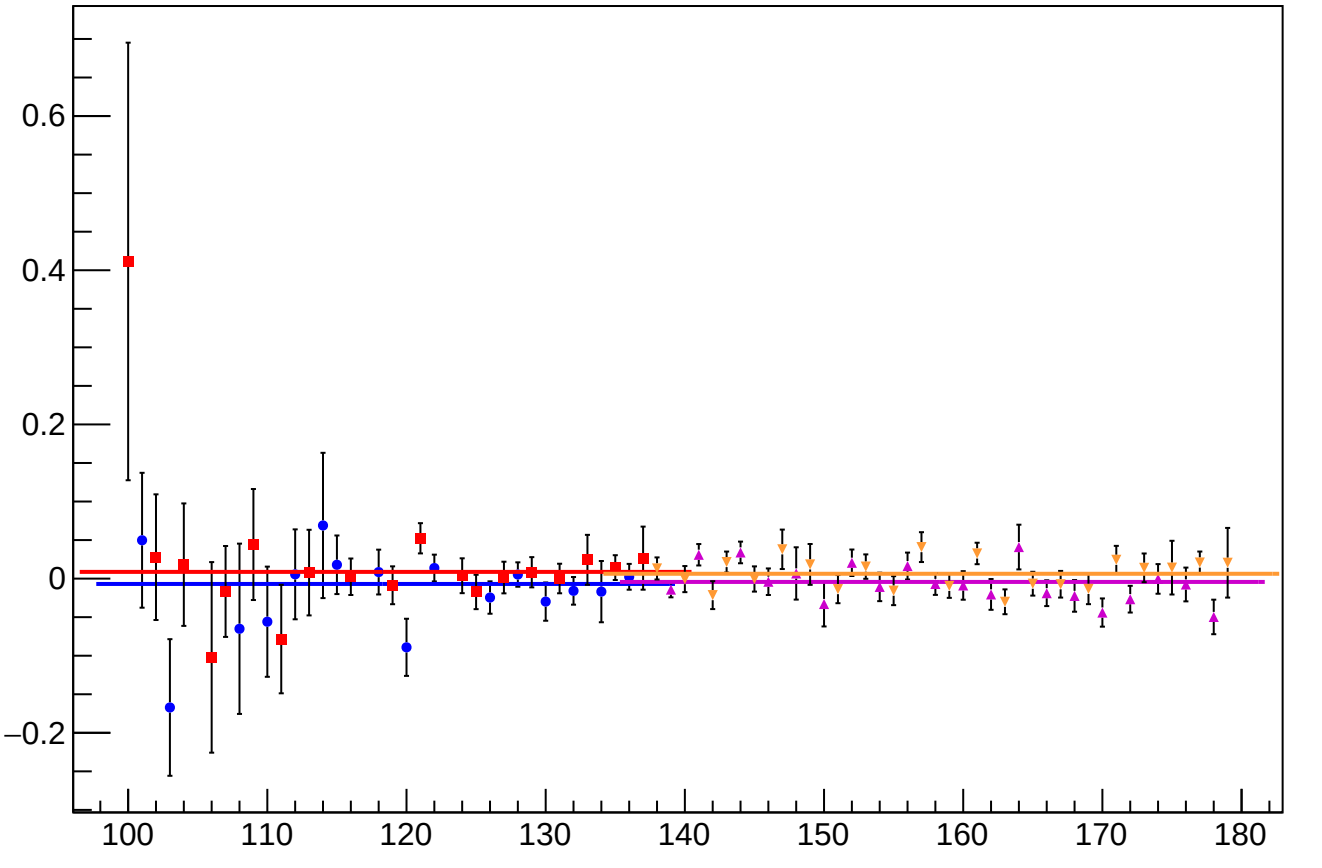
Right Out: 14.348+/-0.005 χ^2/NDF: 3629004.9/18

Left In: 14.595+/-0.003 χ^2/NDF:2070978.6/19

\+ sign 14.749+/-0.002 χ^2/NDF: 5506305.8/37

All: 14.640+/-0.002 χ^2/NDF: 11212951.4/76

\- sign 14.528+/-0.002 χ^2/NDF: 5702162.5/38



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.006+/-0.004 χ^2/NDF:26.4/21

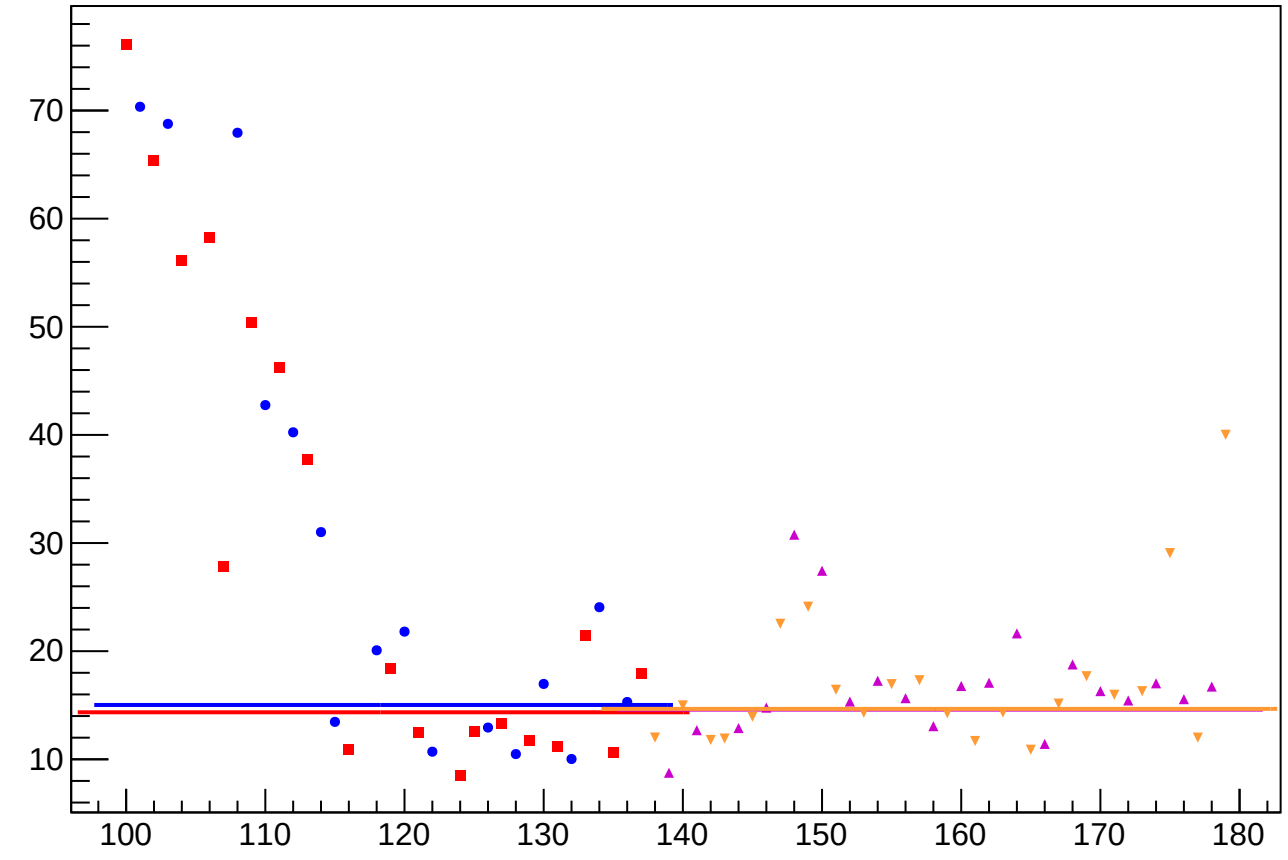
Right Out: 0.009+/-0.006 χ^2/NDF: 12.6/18

Left In: -0.004+/-0.004 χ^2/NDF:34.8/19

+ sign 0.003+/-0.003 χ^2/NDF: 44.2/37

All: 0.001+/-0.002 χ^2/NDF: 95.4/76

- sign -0.001+/-0.003 χ^2/NDF: 50.5/38



Right In: 15.025+/-0.005 χ^2/NDF: 3438279.3/15

Left Out: 14.663+/-0.003 χ^2/NDF:2063611.7/21

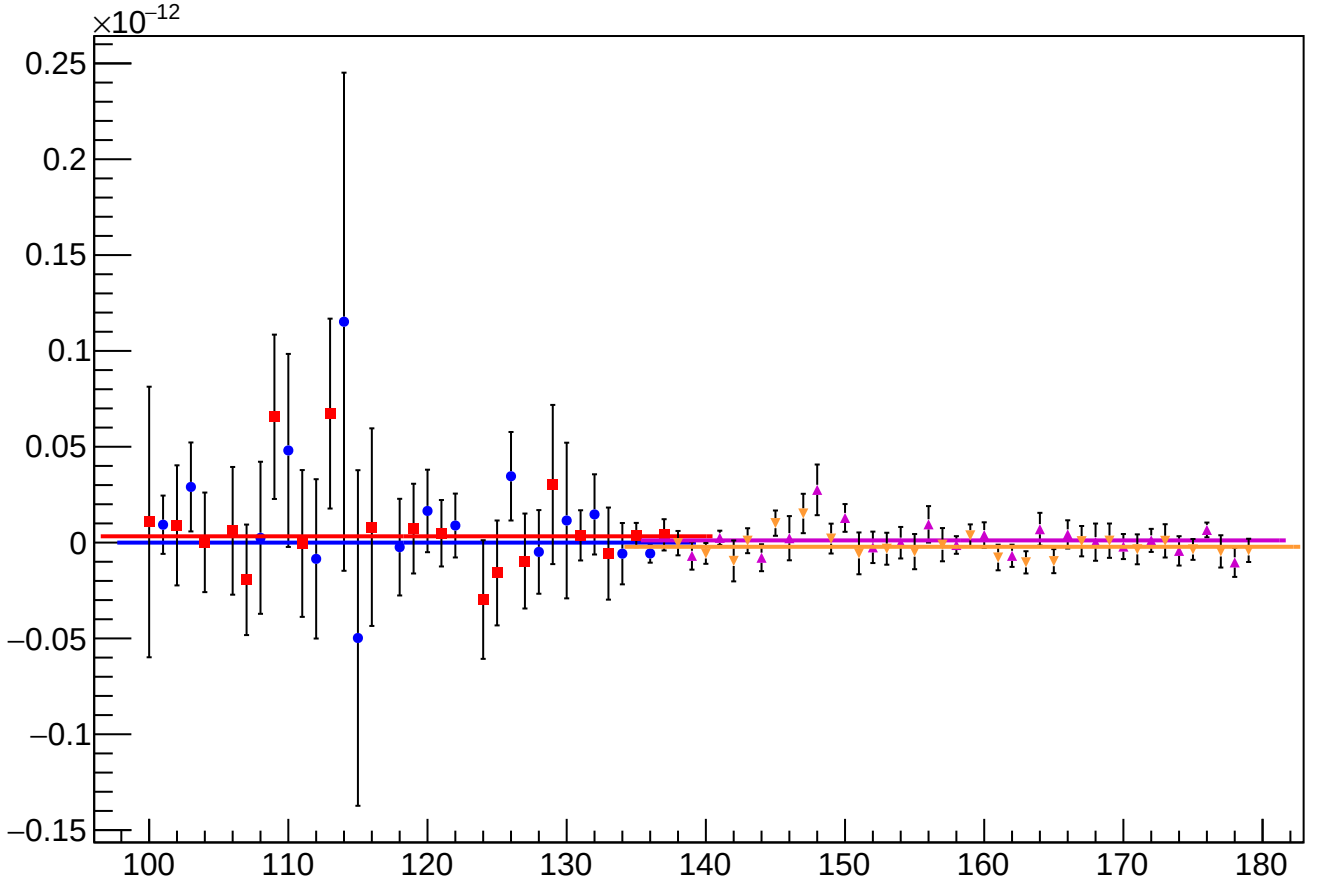
Right Out: 14.348+/-0.005 χ^2/NDF: 3629004.9/18

Left In: 14.595+/-0.003 χ^2/NDF:2070978.6/19

+ sign 14.749+/-0.002 χ^2/NDF: 5506305.8/37

All: 14.640+/-0.002 χ^2/NDF: 11212951.4/76

- sign 14.528+/-0.002 χ^2/NDF: 5702162.5/38



Right In: -0.000+/-0.000 χ^2/NDF: 9.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.9/21

Right Out: 0.000+/-0.000 χ^2/NDF: 7.0/18

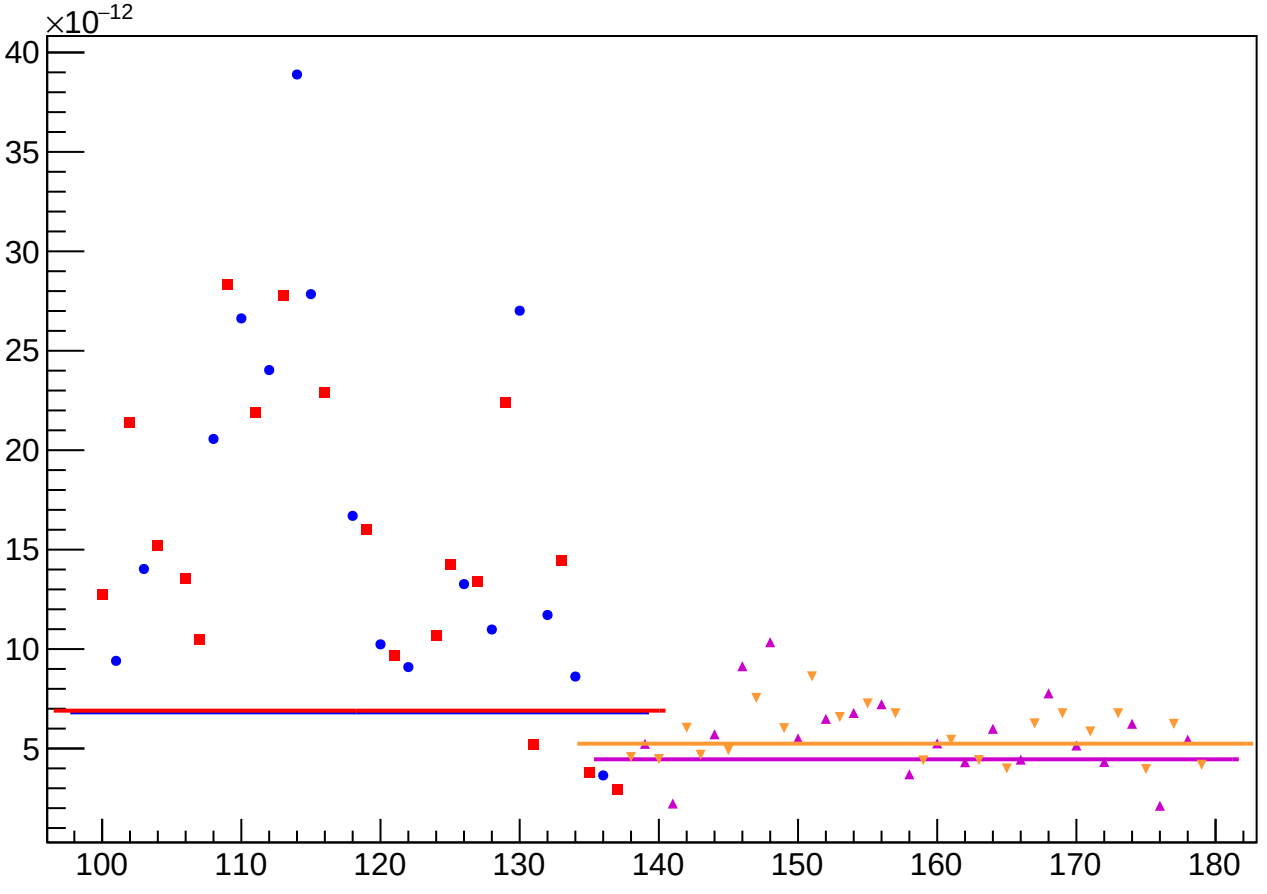
Left In: 0.000+/-0.000 χ^2/NDF:18.7/19

+ sign -0.000+/-0.000 χ^2/NDF: 23.5/37

All: -0.000+/-0.000 χ^2/NDF: 52.3/76

- sign 0.000+/-0.000 χ^2/NDF: 26.0/38

asym_sam1_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 3511411.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:1147289.1/21

Right Out: 0.000+/-0.000 χ^2/NDF: 4241227.1/18

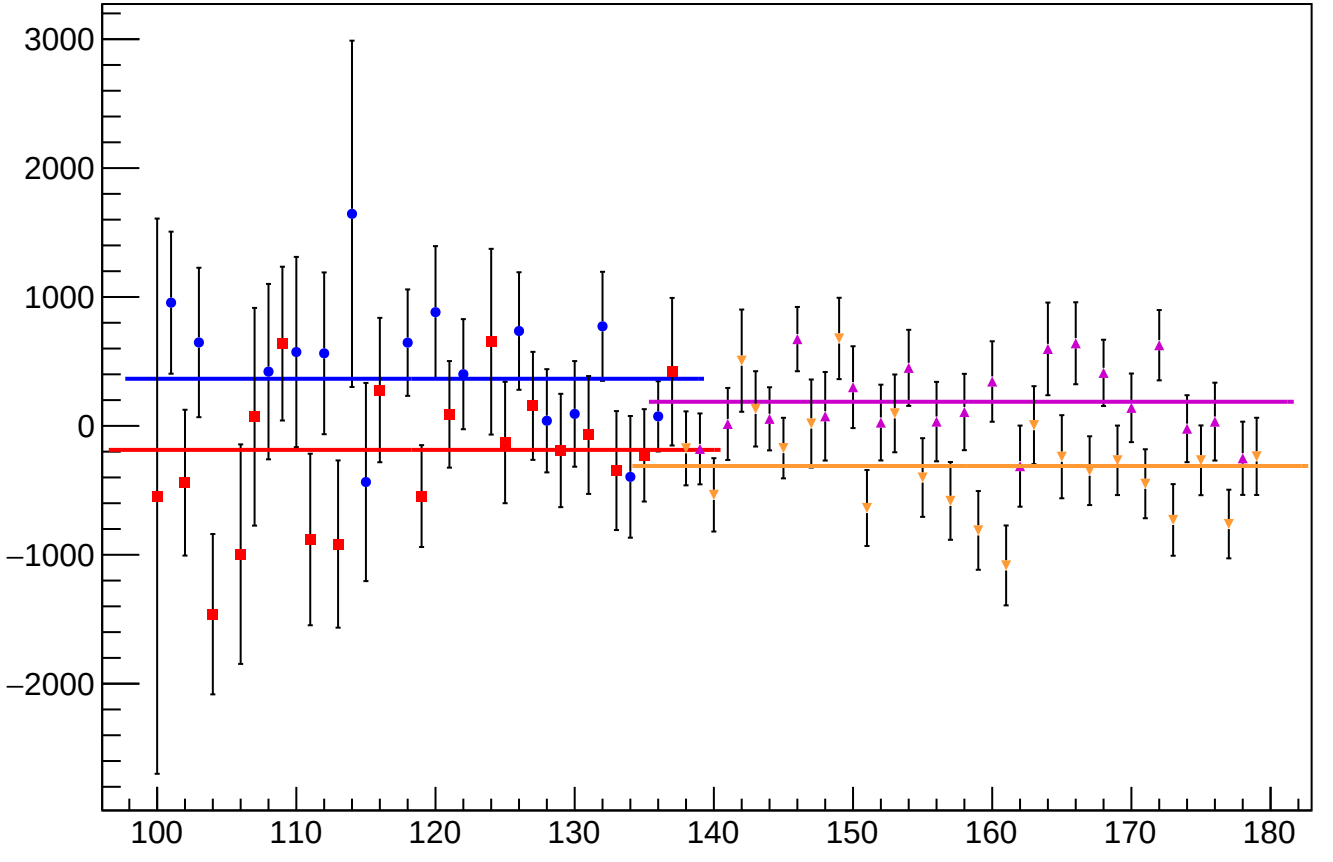
Left In: 0.000+/-0.000 χ^2/NDF:3313683.1/19

+ sign 0.000+/-0.000 χ^2/NDF: 4955750.3/37

All: 0.000+/-0.000 χ^2/NDF: 13456327.1/76

- sign 0.000+/-0.000 χ^2/NDF: 8232382.3/38

reg_asym_sam2_mean vs Slug



Right In: 365.540+/-118.873 χ^2/NDF: 11.5/15

Left Out: -311.306+/-62.155 χ^2/NDF:38.0/21

Right Out: -186.141+/-120.188 χ^2/NDF: 15.0/18

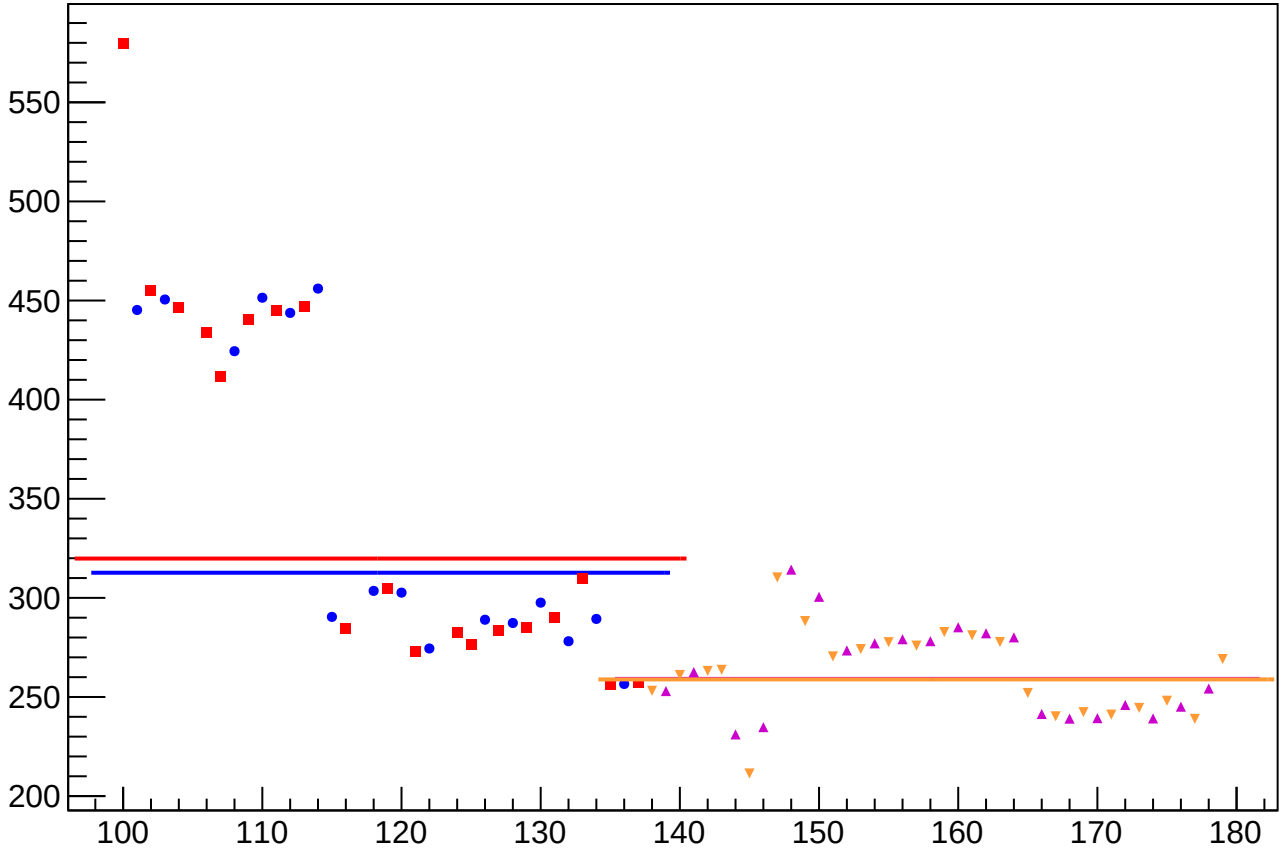
Left In: 187.141+/-64.412 χ^2/NDF:20.7/19

\+ sign -165.990+/-55.080 χ^2/NDF: 74.9/37

All: -35.153+/-39.532 χ^2/NDF: 129.7/76

\- sign 103.849+/-56.773 χ^2/NDF: 43.2/38

reg_asym_sam2_rms vs Slug



Right In: 312.683+/-0.084 χ^2/NDF: 602207.7/15

Left Out: 258.865+/-0.044 χ^2/NDF:247649.3/21

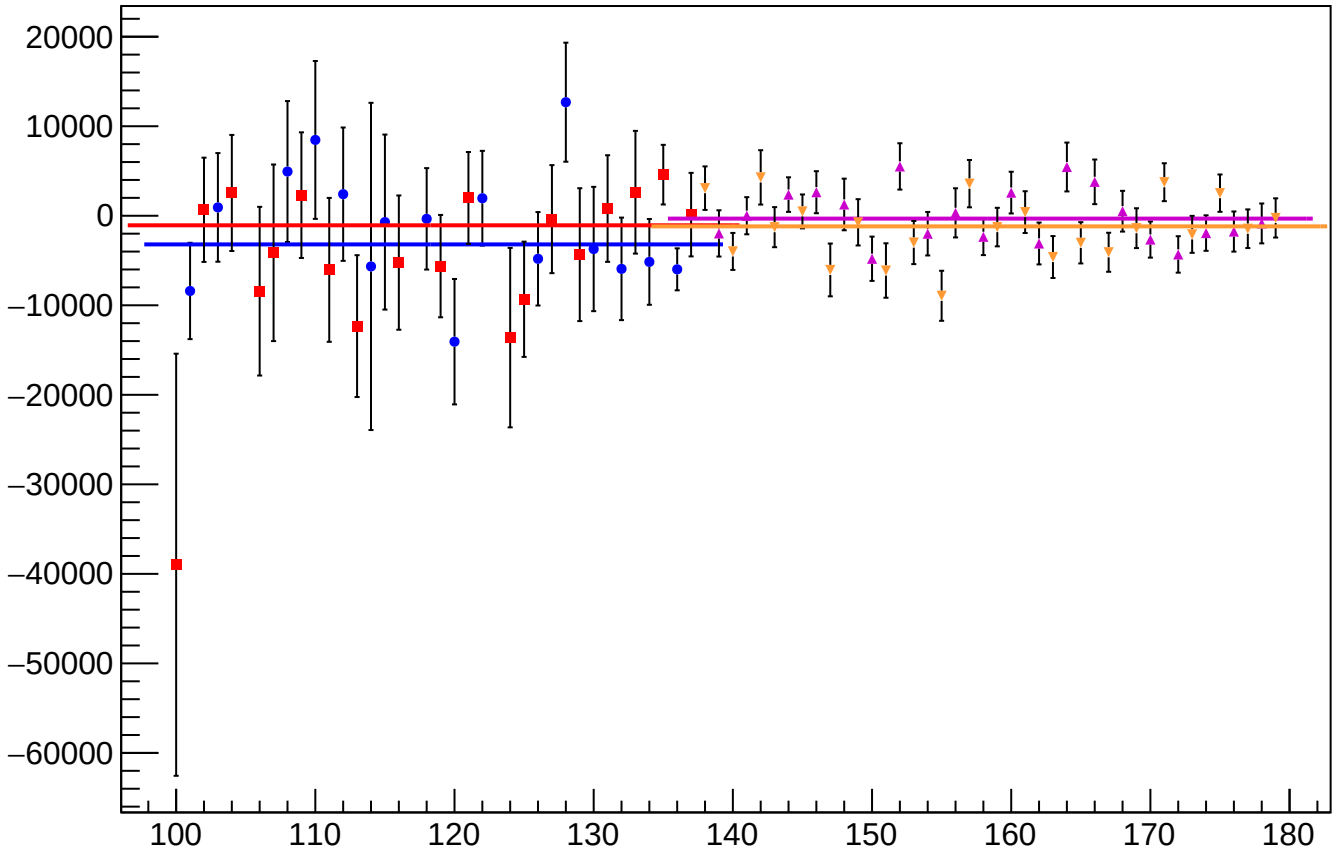
Right Out: 319.841+/-0.085 χ^2/NDF: 697878.1/18

Left In: 259.130+/-0.046 χ^2/NDF:243030.8/19

+ sign 270.420+/-0.039 χ^2/NDF: 1171775.9/37

All: 271.514+/-0.028 χ^2/NDF: 2510762.8/76

- sign 272.676+/-0.040 χ^2/NDF: 1337359.1/38



Right In: -3198.742+/-1353.814 χ^2/NDF: 16.1/15

Left Out: -1184.951+/-493.869 χ^2/NDF:39.8/21

Right Out: -1065.939+/-1443.326 χ^2/NDF: 14.4/18

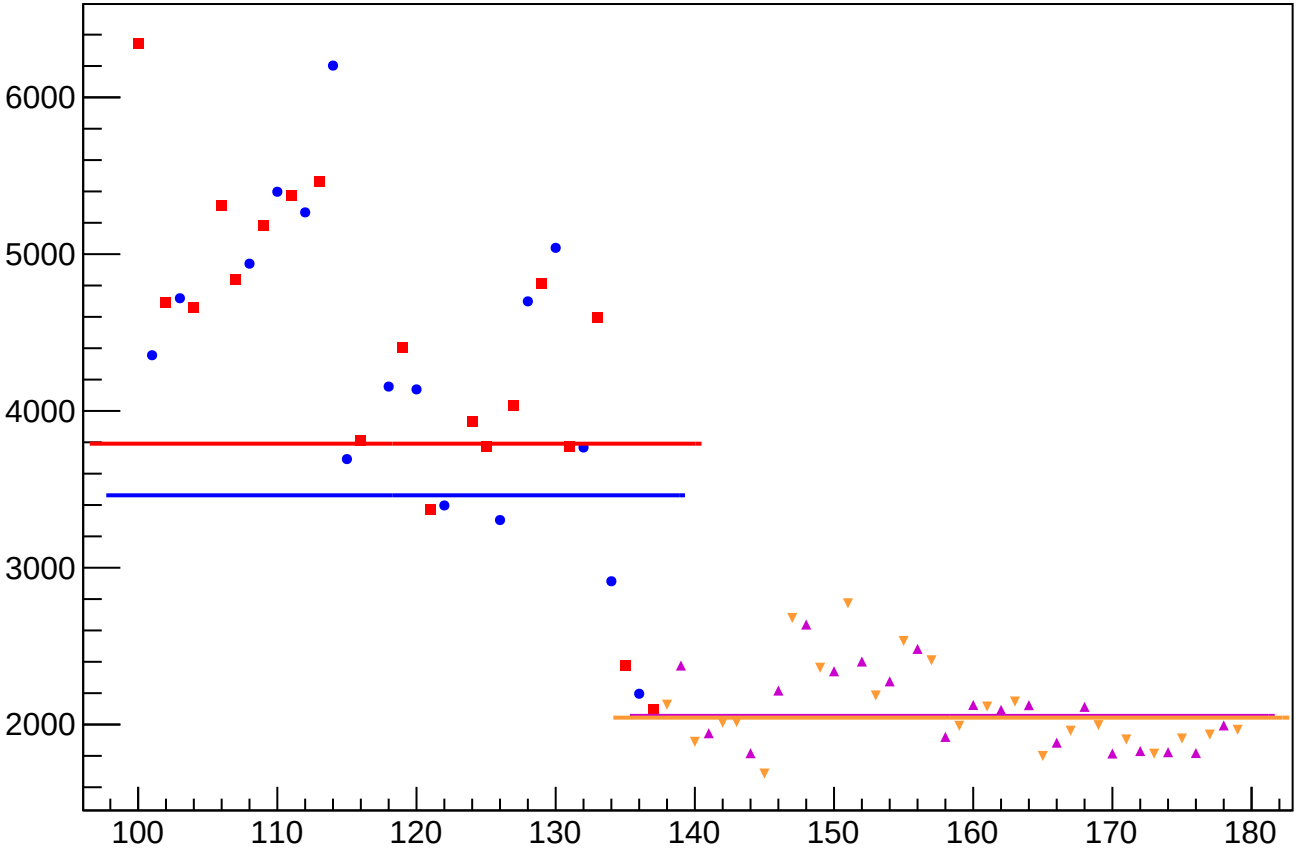
Left In: -317.924+/-512.803 χ^2/NDF:30.8/19

+ sign -1421.467+/-463.961 χ^2/NDF: 57.9/37

All: -932.331+/-334.669 χ^2/NDF: 105.6/76

- sign -401.764+/-483.211 χ^2/NDF: 45.4/38

asym_sam2_reg_correction_rms vs Slug



Right In: 3461.927+/-0.957 χ^2/NDF: 1309580.1/15

Left Out: 2043.865+/-0.349 χ^2/NDF:512053.7/21

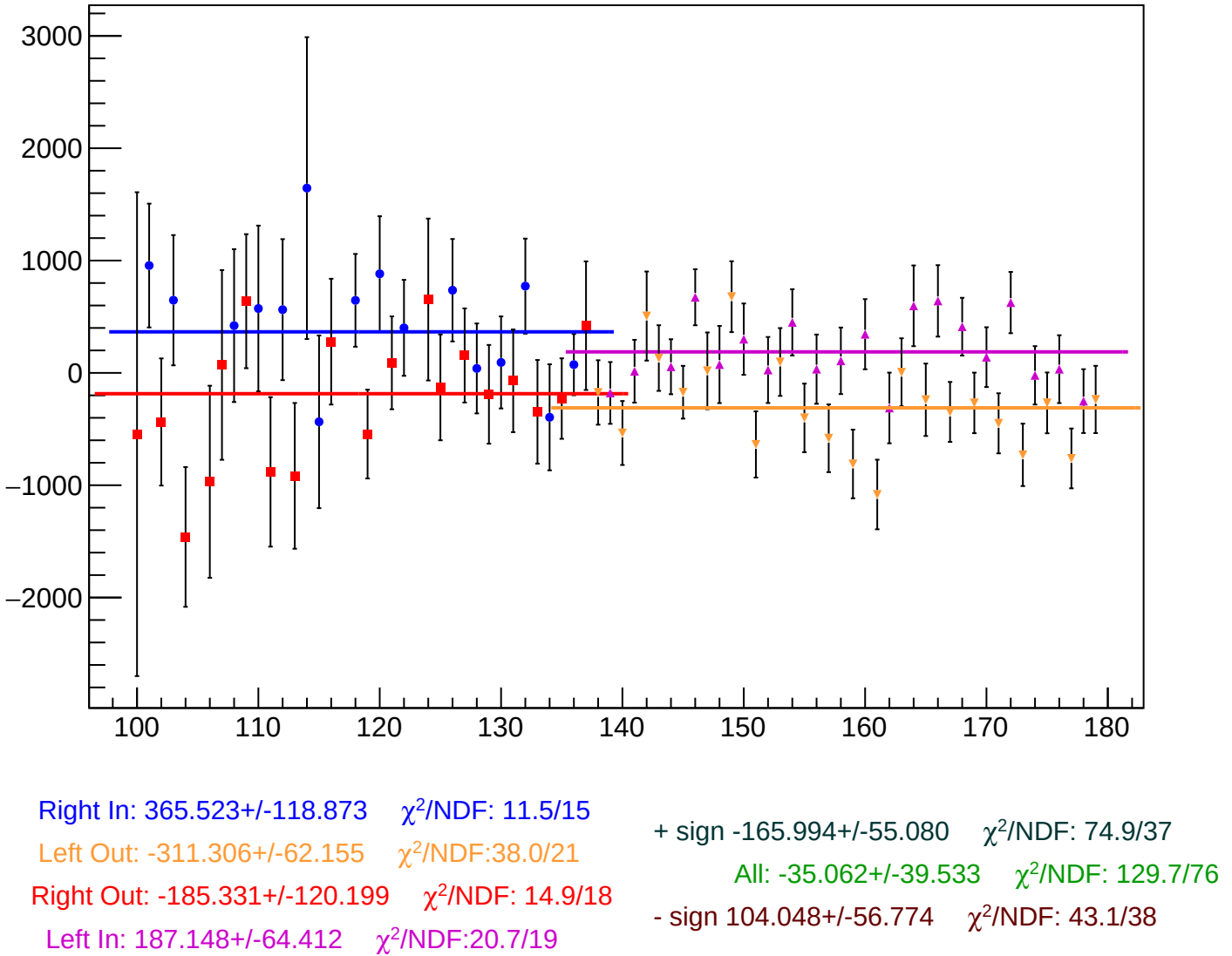
Right Out: 3791.207+/-1.021 χ^2/NDF: 1155755.9/18

Left In: 2055.077+/-0.363 χ^2/NDF:411702.2/19

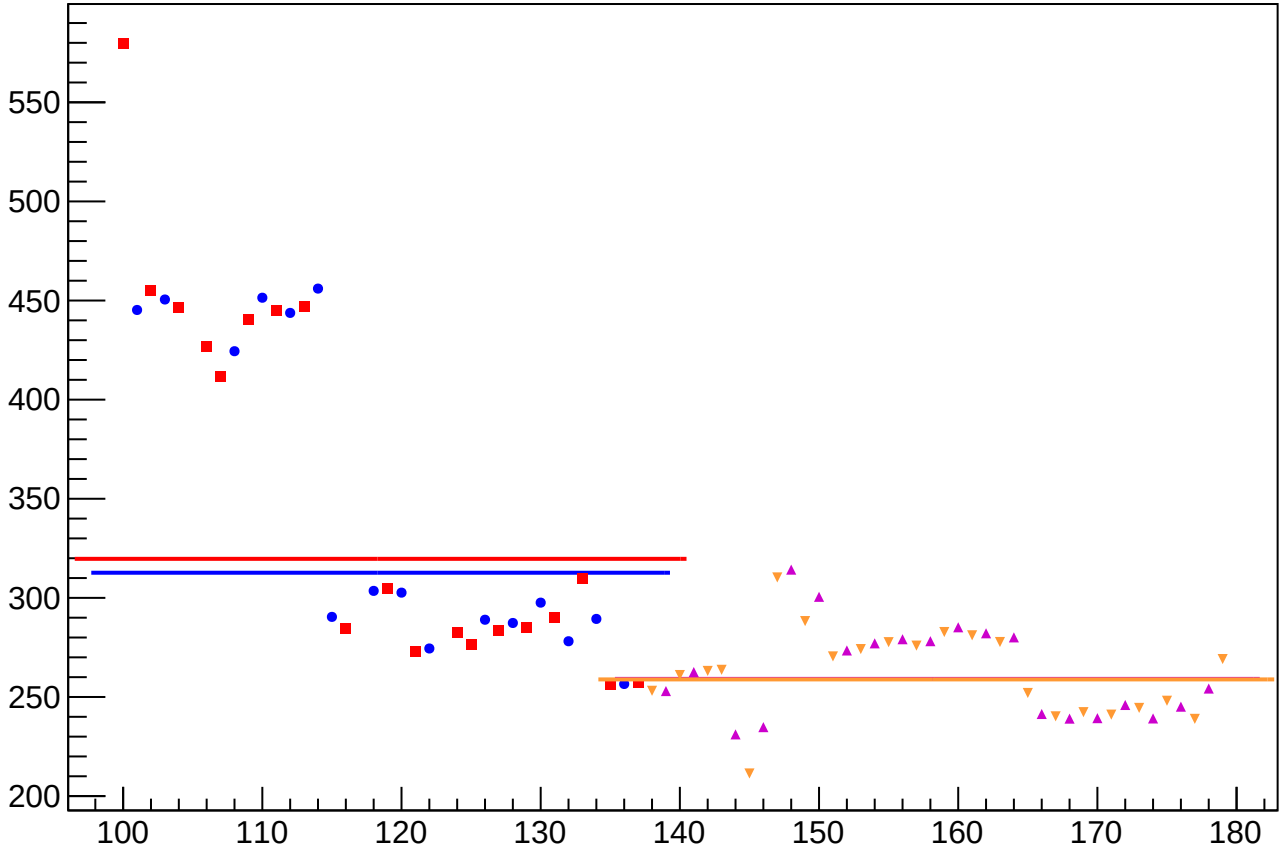
+ sign 2210.414+/-0.328 χ^2/NDF: 3758247.8/37

All: 2229.244+/-0.237 χ^2/NDF: 7902008.0/76

- sign 2249.670+/-0.342 χ^2/NDF: 4136892.2/38


cor_asym_sam2_mean vs Slug
3000
2000
1000
0
−1000
−2000
100
110
120
130
140
150
160
170
180
Right In: 365.523+/-118.873 χ²/NDF: 11.5/15
Left Out: -311.306+/-62.155 χ²/NDF:38.0/21
Right Out: -185.331+/-120.199 χ²/NDF: 14.9/18
Left In: 187.148+/-64.412 χ²/NDF:20.7/19
+ sign -165.994+/-55.080 χ²/NDF: 74.9/37
All: -35.062+/-39.533 χ²/NDF: 129.7/76
- sign 104.048+/-56.774 χ²/NDF: 43.1/38

cor_asym_sam2_rms vs Slug



Right In: 312.683+/-0.084 χ^2/NDF: 602209.1/15

Left Out: 258.865+/-0.044 χ^2/NDF:247649.4/21

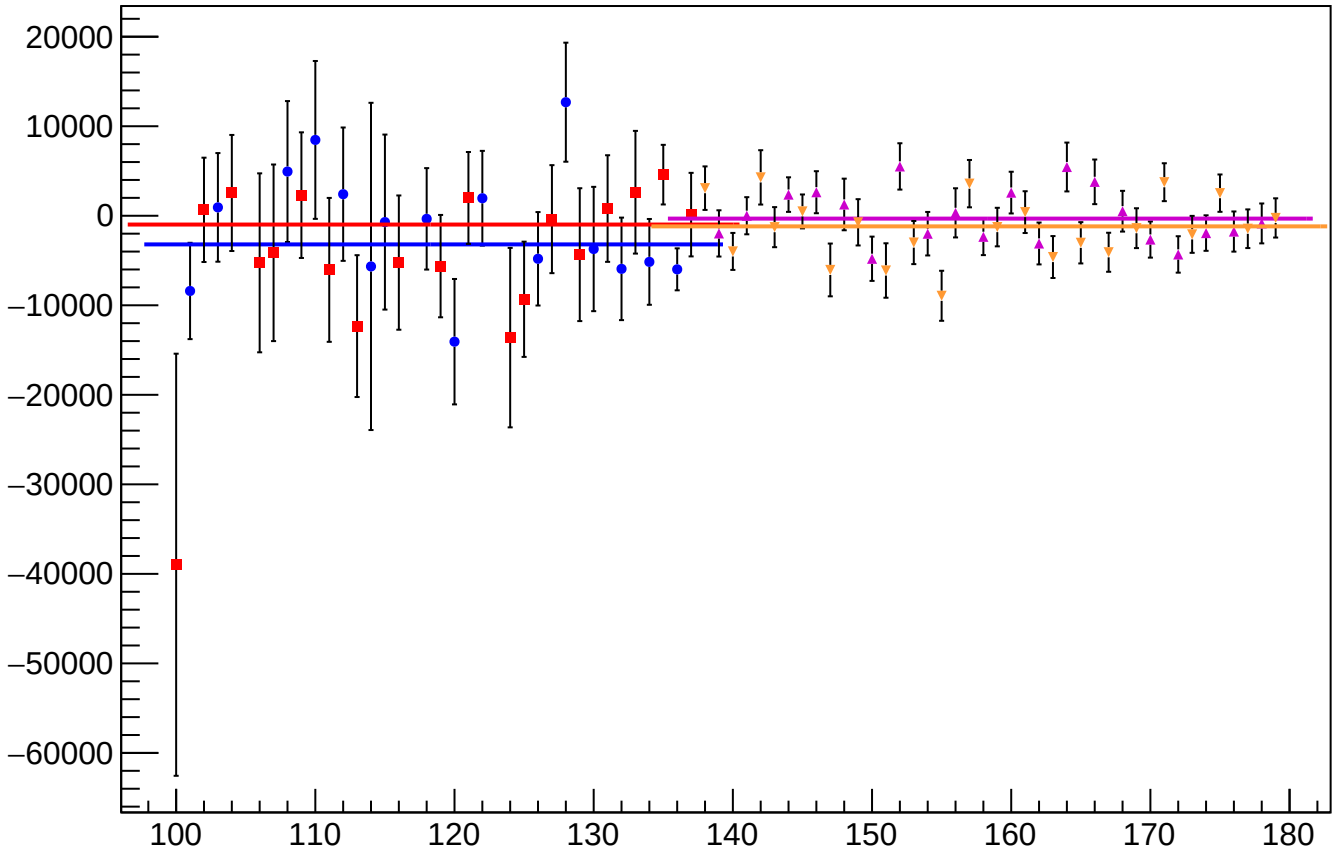
Right Out: 319.693+/-0.085 χ^2/NDF: 693714.1/18

Left In: 259.130+/-0.046 χ^2/NDF:243030.8/19

+ sign 270.420+/-0.039 χ^2/NDF: 1171777.5/37

All: 271.497+/-0.028 χ^2/NDF: 2504561.1/76

- sign 272.641+/-0.040 χ^2/NDF: 1331206.0/38



Right In: -3198.673+/-1353.816 χ^2/NDF: 16.1/15

Left Out: -1184.953+/-493.869 χ^2/NDF:39.8/21

Right Out: -980.937+/-1445.265 χ^2/NDF: 14.0/18

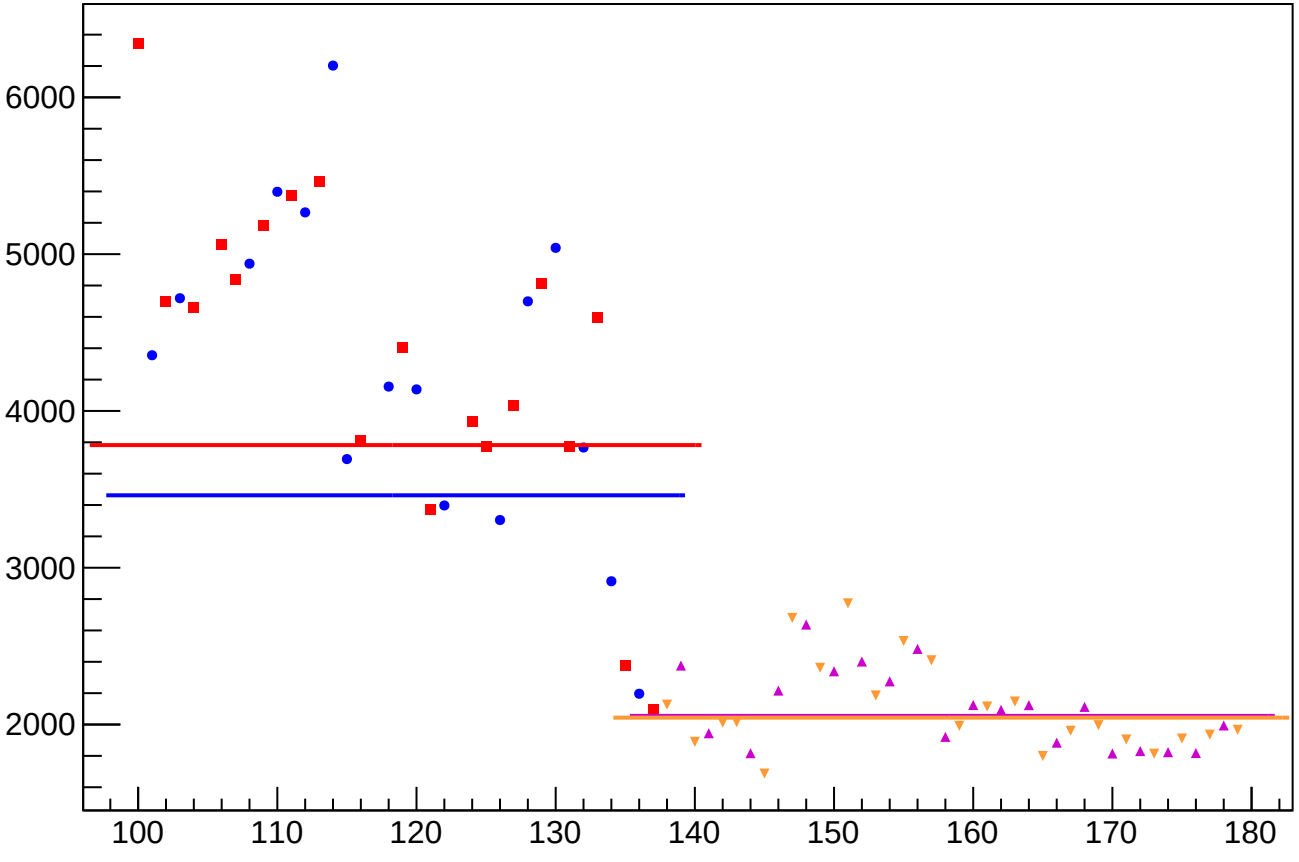
Left In: -317.926+/-512.803 χ^2/NDF:30.7/19

\+ sign -1421.460+/-463.962 χ^2/NDF: 57.9/37

All: -927.750+/-334.693 χ^2/NDF: 105.1/76

\- sign -392.062+/-483.283 χ^2/NDF: 44.9/38

asym_sam2_cor_correction_rms vs Slug



Right In: 3461.932+/-0.957 χ^2/NDF: 1309596.2/15

Left Out: 2043.865+/-0.349 χ^2/NDF:512054.5/21

Right Out: 3782.176+/-1.022 χ^2/NDF: 1136342.8/18

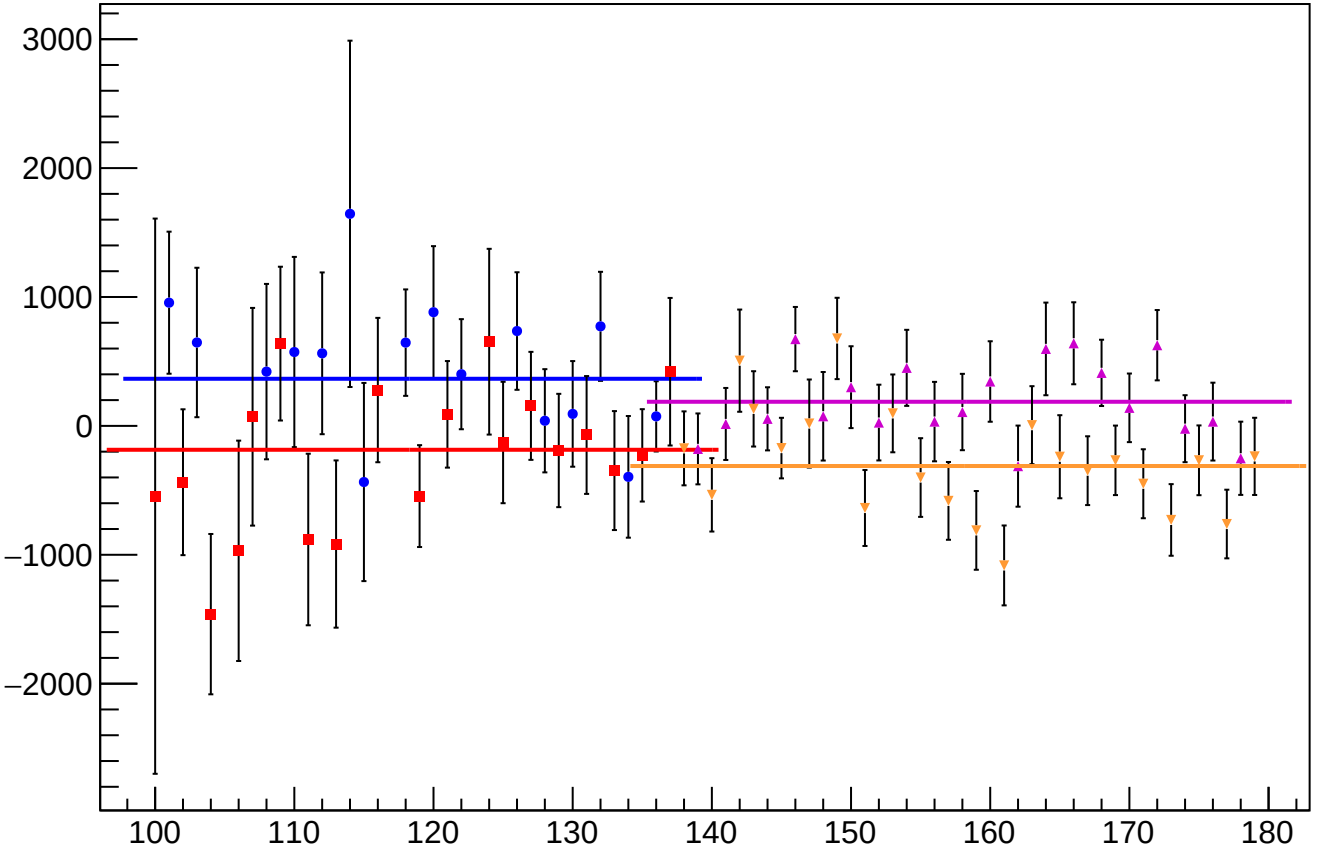
Left In: 2055.077+/-0.363 χ^2/NDF:411705.6/19

+ sign 2210.414+/-0.328 χ^2/NDF: 3758269.5/37

All: 2228.535+/-0.237 χ^2/NDF: 7849396.1/76

- sign 2248.197+/-0.342 χ^2/NDF: 4084765.3/38

eigen_cor_asym_sam2_mean vs Slug



Right In: 365.523+/-118.873 χ^2/NDF: 11.5/15

Left Out: -311.306+/-62.155 χ^2/NDF:38.0/21

Right Out: -185.331+/-120.199 χ^2/NDF: 14.9/18

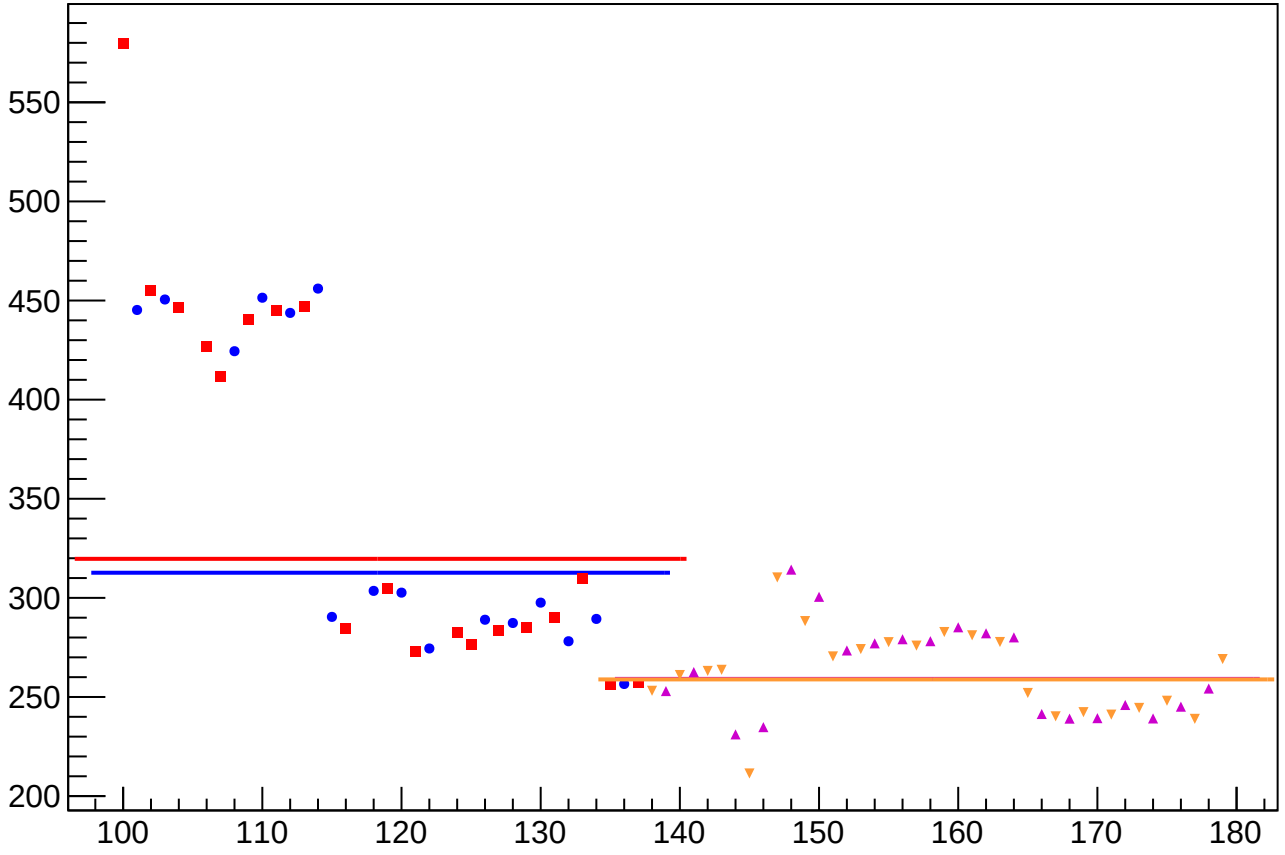
Left In: 187.148+/-64.412 χ^2/NDF:20.7/19

+ sign -165.994+/-55.080 χ^2/NDF: 74.9/37

All: -35.062+/-39.533 χ^2/NDF: 129.7/76

- sign 104.048+/-56.774 χ^2/NDF: 43.1/38

eigen_cor_asym_sam2_rms vs Slug



Right In: 312.683+/-0.084 χ^2/NDF: 602209.1/15

Left Out: 258.865+/-0.044 χ^2/NDF:247649.4/21

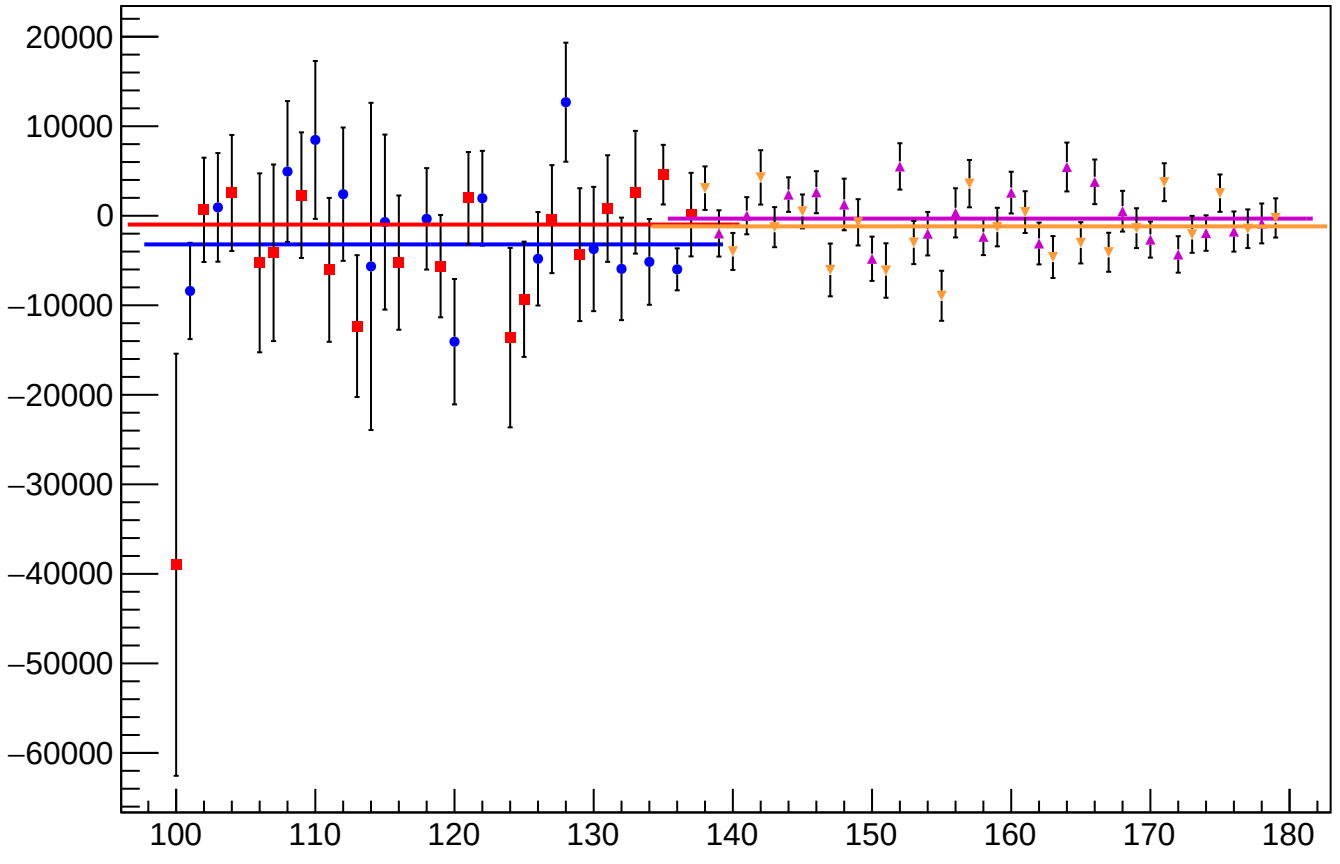
Right Out: 319.693+/-0.085 χ^2/NDF: 693714.1/18

Left In: 259.130+/-0.046 χ^2/NDF:243030.8/19

+ sign 270.420+/-0.039 χ^2/NDF: 1171777.5/37

All: 271.497+/-0.028 χ^2/NDF: 2504561.1/76

- sign 272.641+/-0.040 χ^2/NDF: 1331206.0/38



Right In: -3198.673+/-1353.816 χ^2/NDF: 16.1/15

Left Out: -1184.953+/-493.869 χ^2/NDF:39.8/21

Right Out: -980.937+/-1445.265 χ^2/NDF: 14.0/18

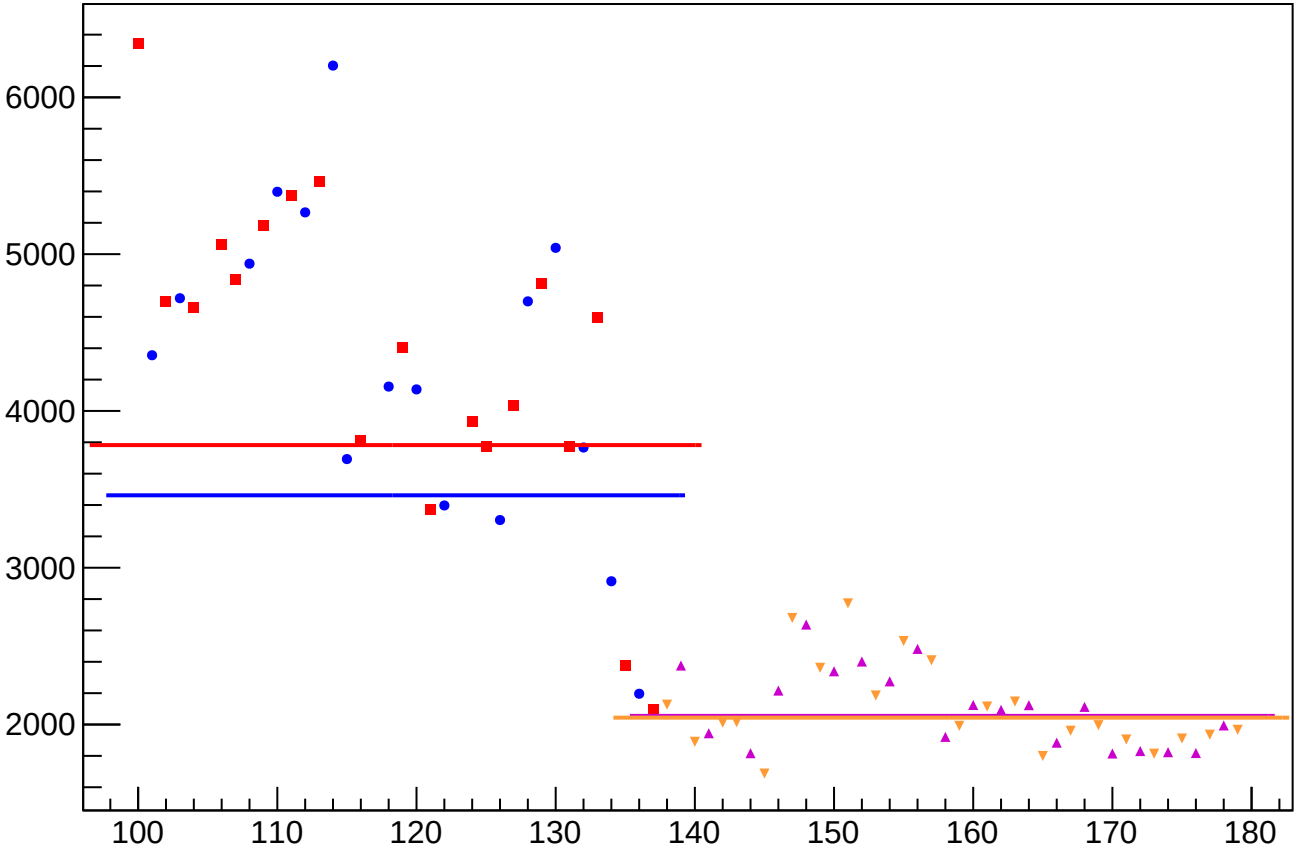
Left In: -317.926+/-512.803 χ^2/NDF:30.7/19

+ sign -1421.460+/-463.962 χ^2/NDF: 57.9/37

All: -927.750+/-334.693 χ^2/NDF: 105.1/76

- sign -392.062+/-483.283 χ^2/NDF: 44.9/38

asym_sam2_eigen_cor_correction_rms vs Slug



Right In: 3461.932+/-0.957 χ^2/NDF: 1309596.2/15

Left Out: 2043.865+/-0.349 χ^2/NDF:512054.5/21

Right Out: 3782.176+/-1.022 χ^2/NDF: 1136342.8/18

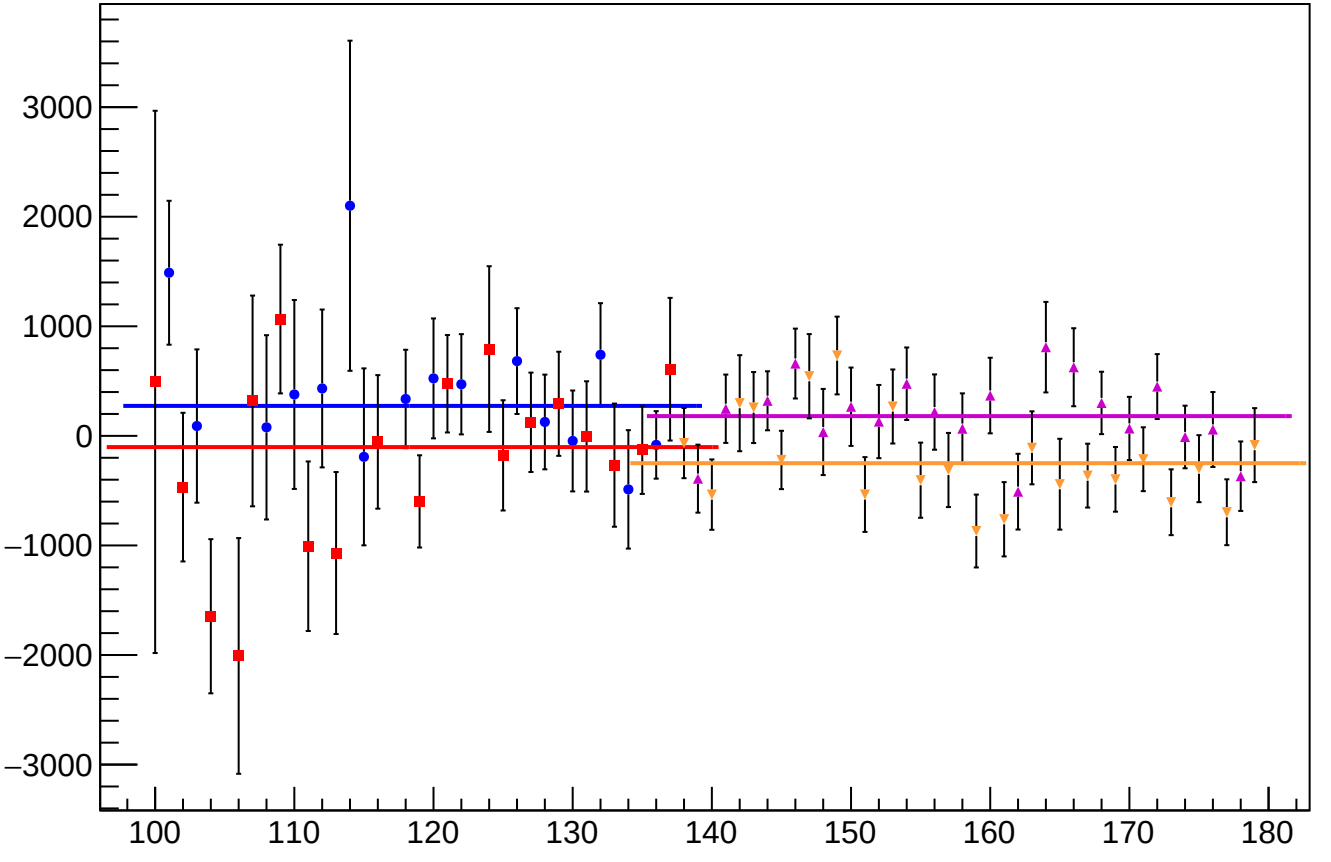
Left In: 2055.077+/-0.363 χ^2/NDF:411705.6/19

+ sign 2210.414+/-0.328 χ^2/NDF: 3758269.5/37

All: 2228.535+/-0.237 χ^2/NDF: 7849396.1/76

- sign 2248.197+/-0.342 χ^2/NDF: 4084765.3/38

dit_asym_sam2_mean vs Slug



Right In: 273.578+/-132.537 χ^2/NDF: 11.4/15

Left Out: -249.303+/-69.538 χ^2/NDF:30.8/21

Right Out: -102.369+/-133.606 χ^2/NDF: 21.3/18

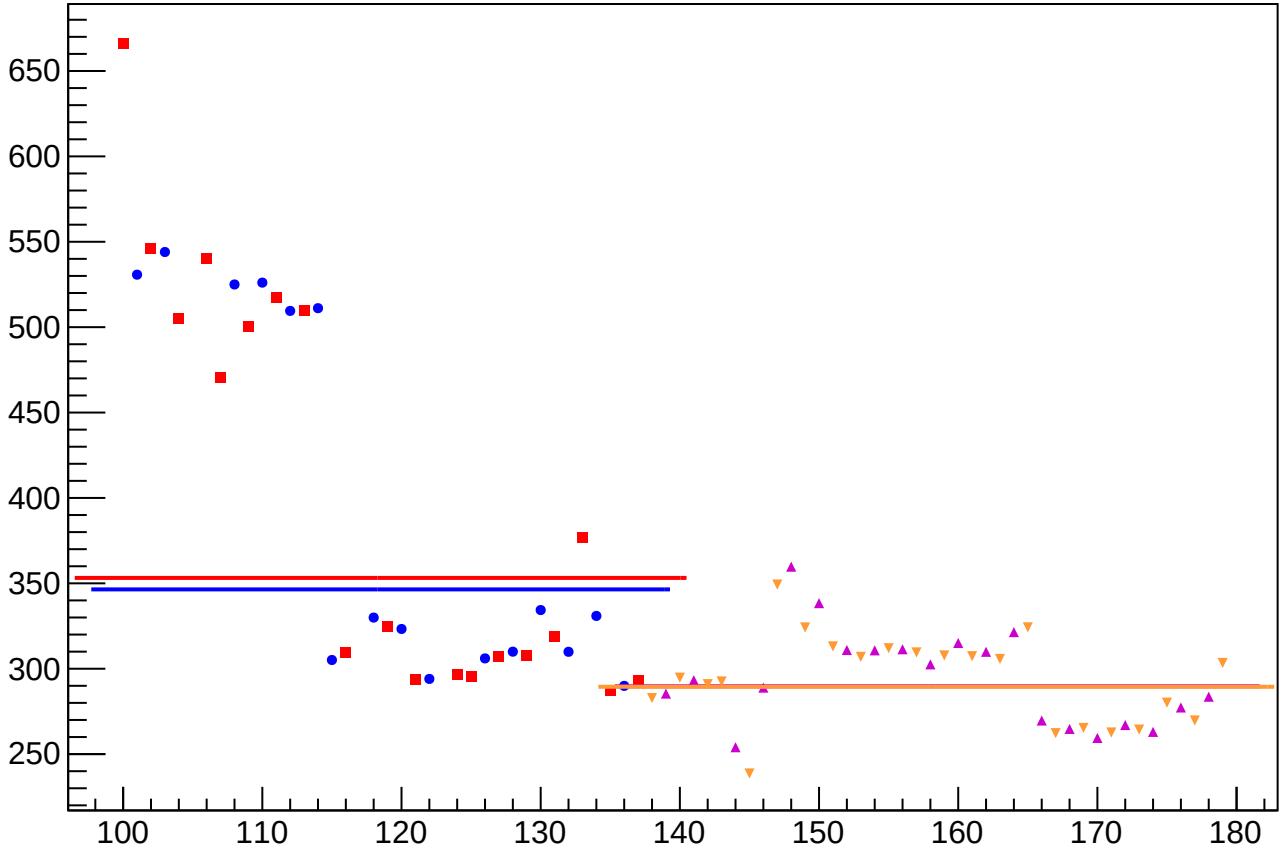
Left In: 180.286+/-72.207 χ^2/NDF:20.0/19

+ sign -136.436+/-61.577 χ^2/NDF: 54.5/37

All: -13.956+/-44.214 χ^2/NDF: 107.4/76

- sign 116.390+/-63.524 χ^2/NDF: 44.8/38

dit_asym_sam2_rms vs Slug



Right In: 346.455+/-0.094 χ^2/NDF: 768763.1/15

Left Out: 289.432+/-0.049 χ^2/NDF:278738.3/21

Right Out: 353.178+/-0.094 χ^2/NDF: 866364.3/18

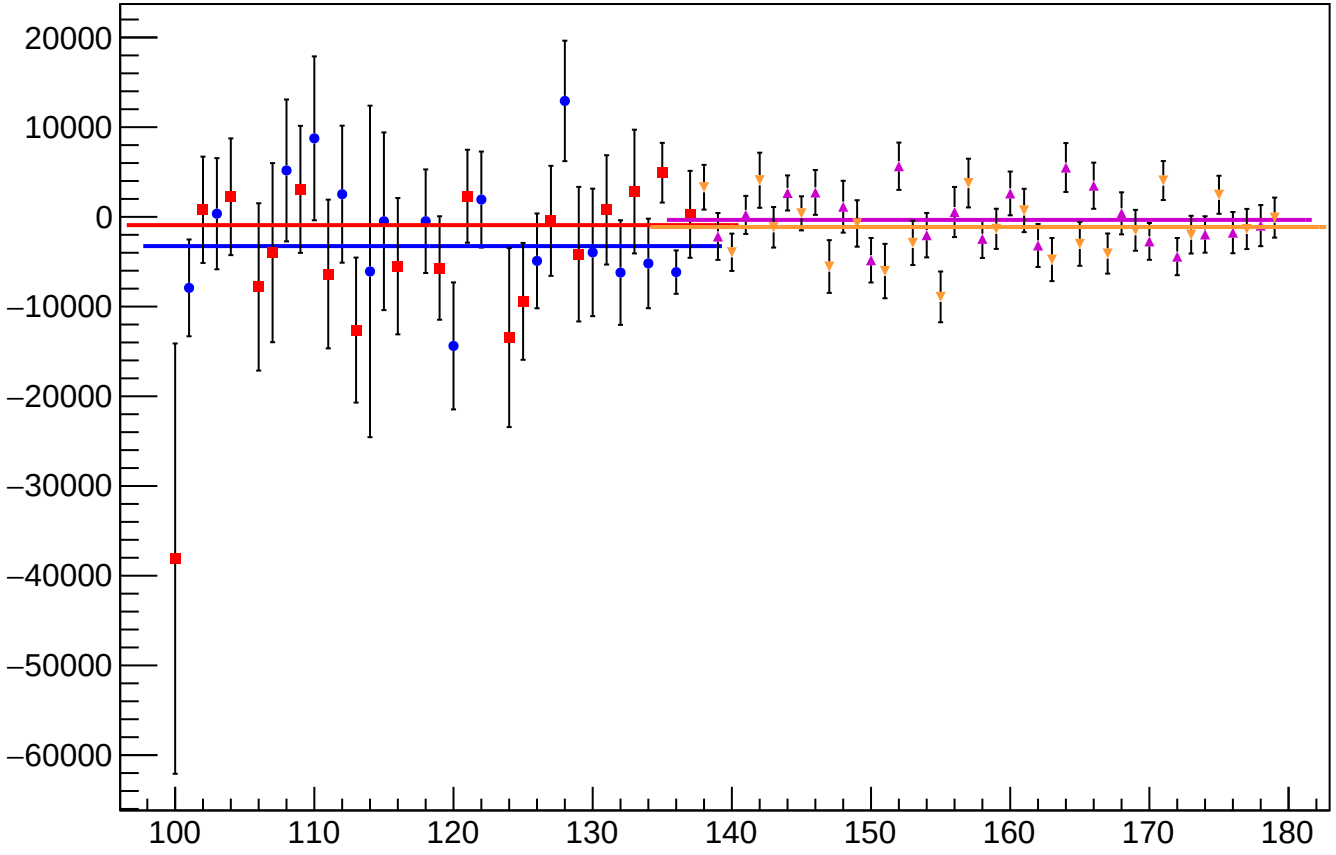
Left In: 289.735+/-0.051 χ^2/NDF:269330.0/19

+ sign 301.741+/-0.044 χ^2/NDF: 1337798.1/37

All: 302.873+/-0.031 χ^2/NDF: 2823900.6/76

- sign 304.077+/-0.045 χ^2/NDF: 1484708.2/38

asym_sam2_dit_correction_mean vs Slug



Right In: -3258.837+/-1384.139 χ^2/NDF: 16.0/15

Left Out: -1133.073+/-504.236 χ^2/NDF:39.0/21

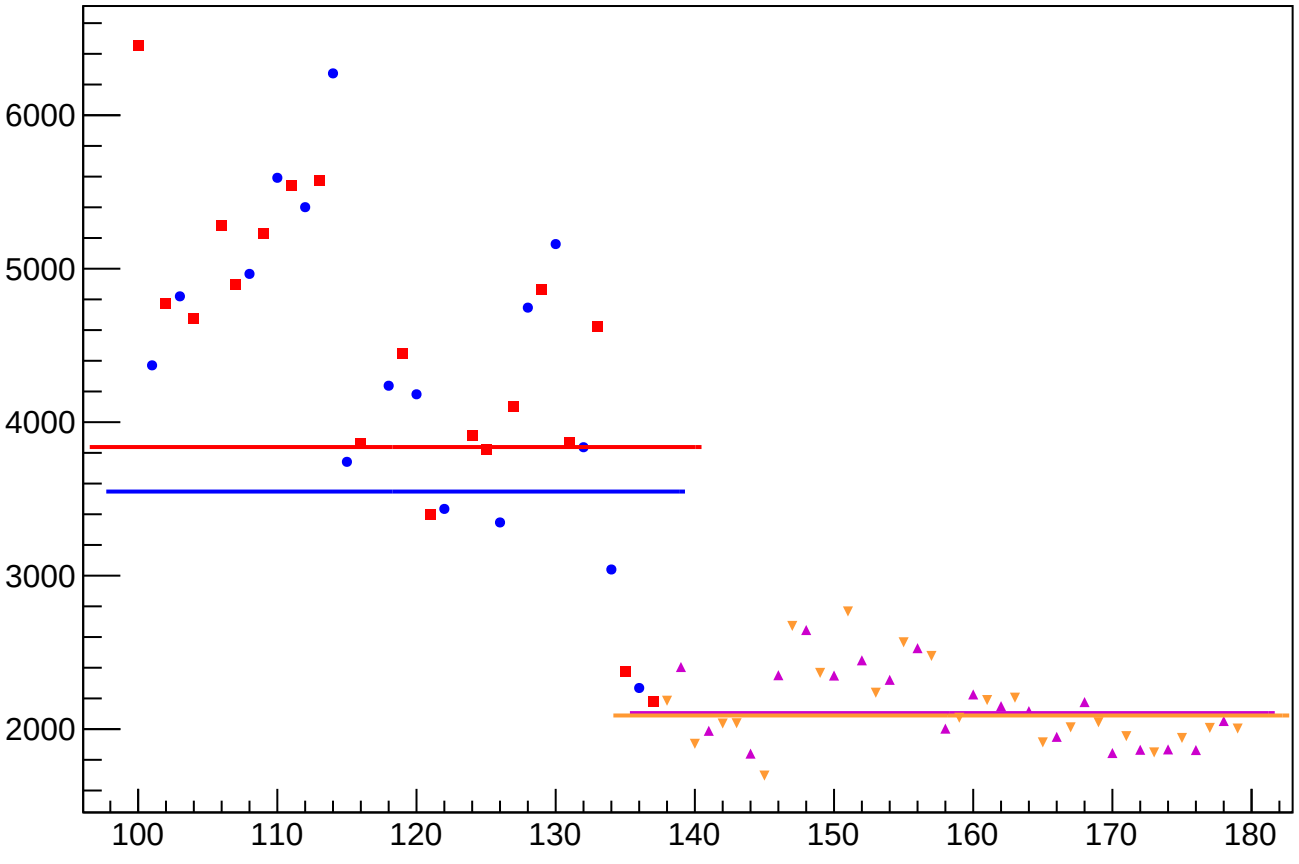
Right Out: -921.196+/-1460.727 χ^2/NDF: 14.6/18

Left In: -336.792+/-524.962 χ^2/NDF:30.8/19

+ sign -1382.133+/-473.777 χ^2/NDF: 57.1/37

All: -913.351+/-341.946 χ^2/NDF: 104.7/76

- sign -403.638+/-494.027 χ^2/NDF: 45.5/38



Right In: 3547.969+/-0.979 χ^2/NDF: 1258486.8/15

Left Out: 2088.856+/-0.357 χ^2/NDF:482353.5/21

Right Out: 3837.970+/-1.033 χ^2/NDF: 1155831.8/18

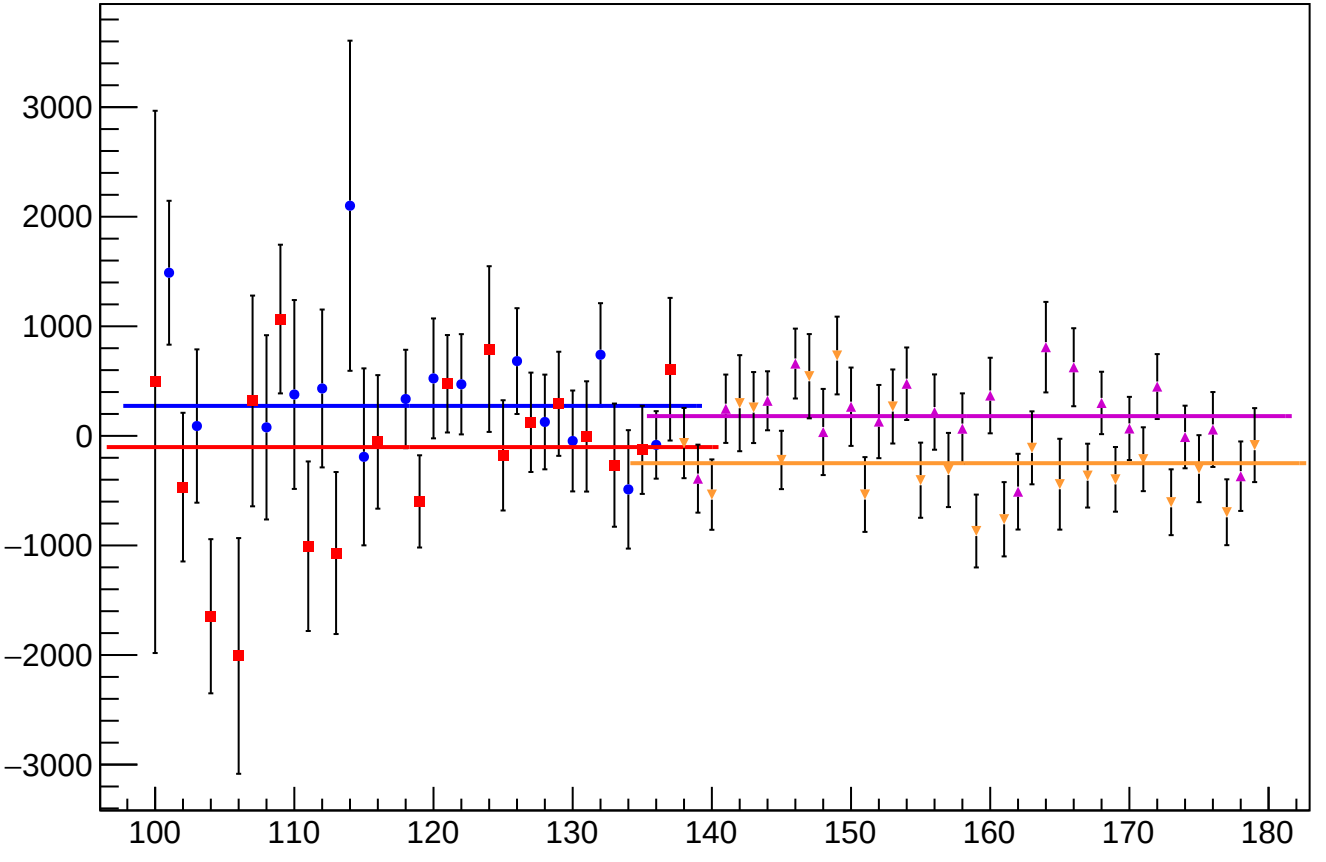
Left In: 2104.417+/-0.371 χ^2/NDF:401182.5/19

\+ sign 2259.810+/-0.335 χ^2/NDF: 3702976.0/37

All: 2280.361+/-0.242 χ^2/NDF: 7762505.7/76

\- sign 2302.707+/-0.349 χ^2/NDF: 4051674.4/38

eigen_dit_asym_sam2_mean vs Slug



Right In: 273.582+/-132.536 χ^2/NDF: 11.4/15

Left Out: -249.307+/-69.538 χ^2/NDF:30.8/21

Right Out: -102.368+/-133.606 χ^2/NDF: 21.3/18

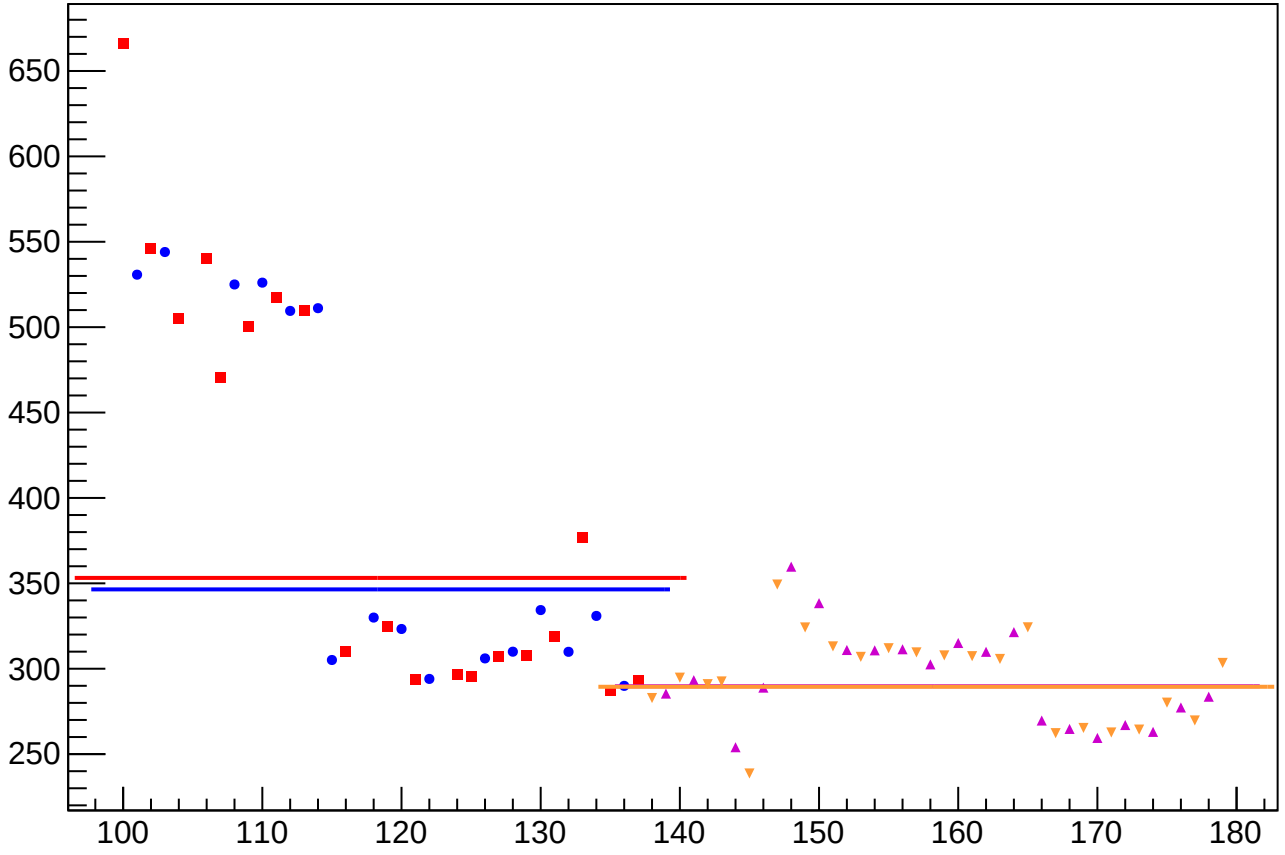
Left In: 180.289+/-72.207 χ^2/NDF:20.0/19

+ sign -136.437+/-61.577 χ^2/NDF: 54.5/37

All: -13.955+/-44.214 χ^2/NDF: 107.4/76

- sign 116.392+/-63.524 χ^2/NDF: 44.8/38

eigen_dit_asym_sam2_rms vs Slug



Right In: 346.453+/-0.094 χ^2/NDF: 768754.7/15

Left Out: 289.433+/-0.049 χ^2/NDF:278744.1/21

Right Out: 353.176+/-0.094 χ^2/NDF: 866353.6/18

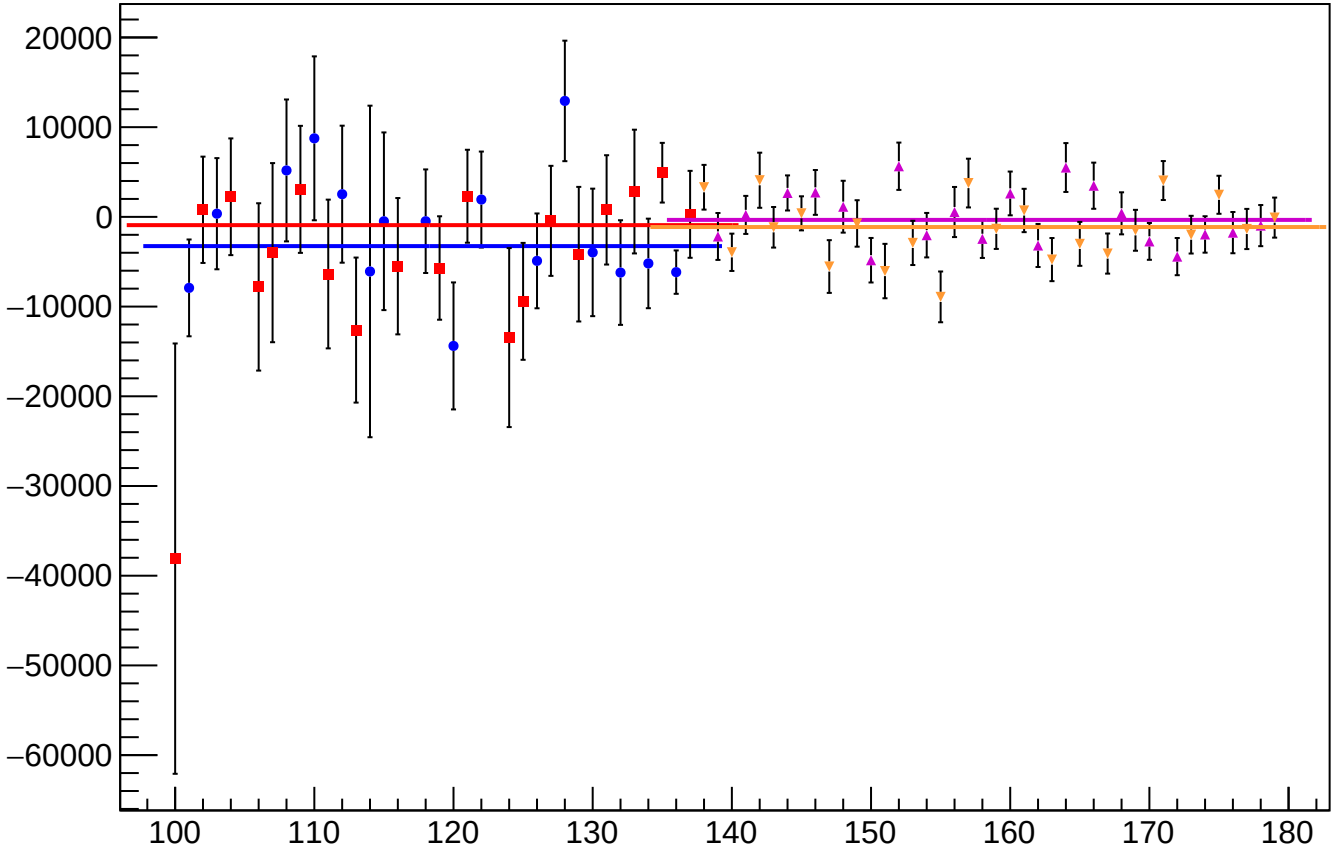
Left In: 289.735+/-0.051 χ^2/NDF:269332.3/19

+ sign 301.741+/-0.044 χ^2/NDF: 1337776.3/37

All: 302.873+/-0.031 χ^2/NDF: 2823858.7/76

- sign 304.077+/-0.045 χ^2/NDF: 1484687.9/38

asym_sam2_eigen_dit_correction_mean vs Slug



Right In: -3258.828+/-1384.137 χ^2/NDF: 16.0/15

Left Out: -1133.074+/-504.236 χ^2/NDF:39.0/21

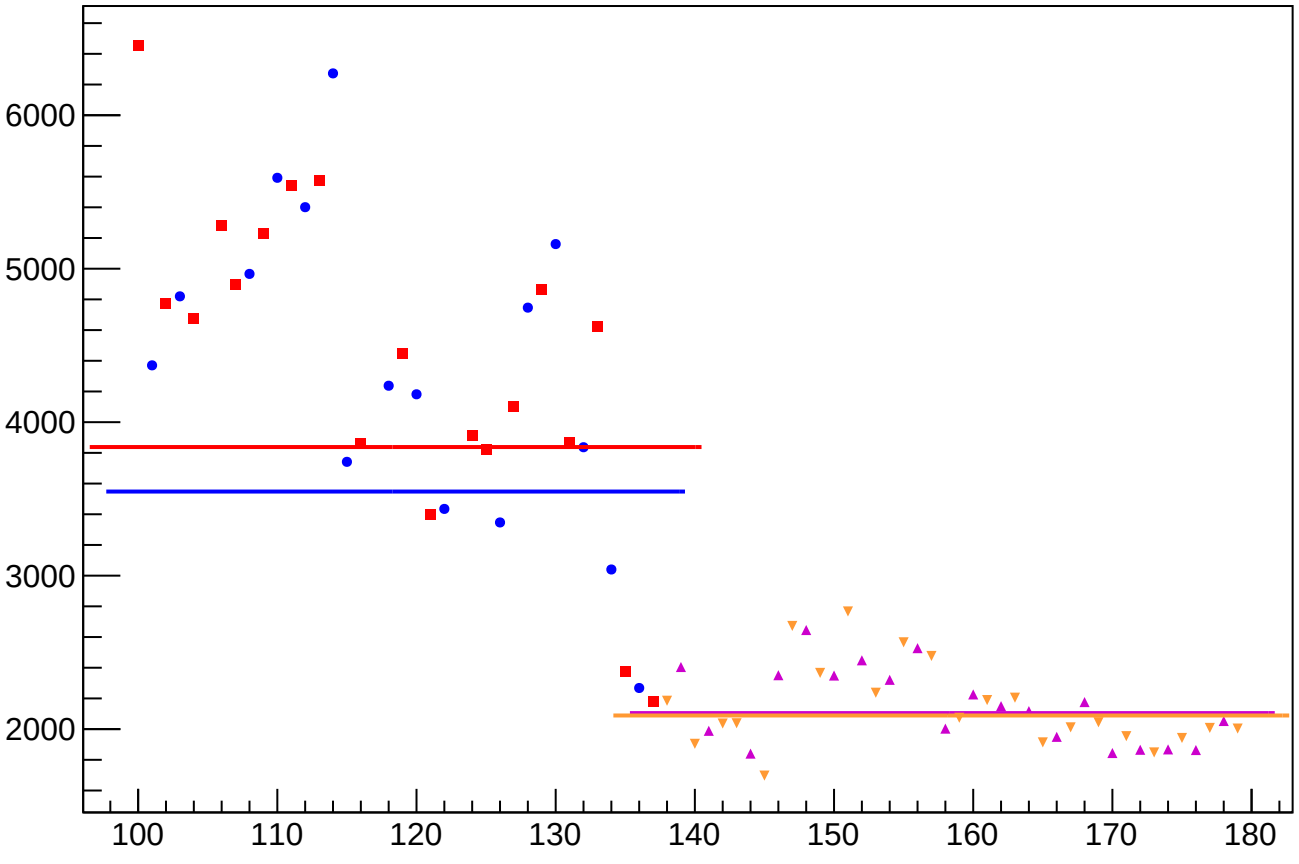
Right Out: -921.200+/-1460.725 χ^2/NDF: 14.6/18

Left In: -336.792+/-524.963 χ^2/NDF:30.8/19

+ sign -1382.133+/-473.777 χ^2/NDF: 57.1/37

All: -913.351+/-341.946 χ^2/NDF: 104.7/76

- sign -403.639+/-494.027 χ^2/NDF: 45.5/38



Right In: 3547.966+/-0.979 χ^2/NDF: 1258472.8/15

Left Out: 2088.856+/-0.357 χ^2/NDF:482357.1/21

Right Out: 3837.965+/-1.033 χ^2/NDF: 1155821.5/18

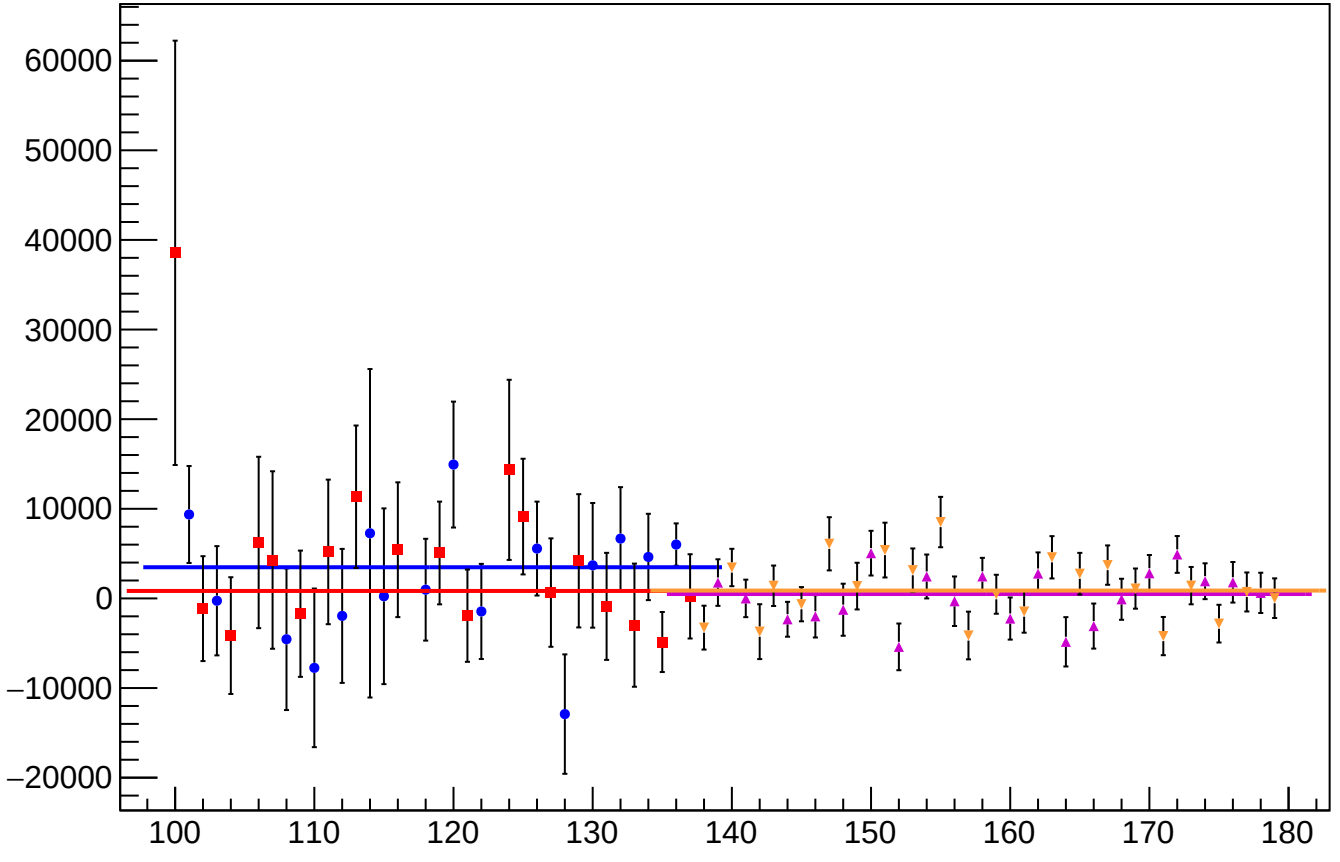
Left In: 2104.418+/-0.371 χ^2/NDF:401182.6/19

+ sign 2259.810+/-0.335 χ^2/NDF: 3702960.6/37

All: 2280.362+/-0.242 χ^2/NDF: 7762472.7/76

- sign 2302.708+/-0.349 χ^2/NDF: 4051656.8/38

asym_sam2_mean vs Slug



Right In: 3478.372+/-1360.356 χ^2/NDF: 16.3/15

Left Out: 876.530+/-497.921 χ^2/NDF:39.2/21

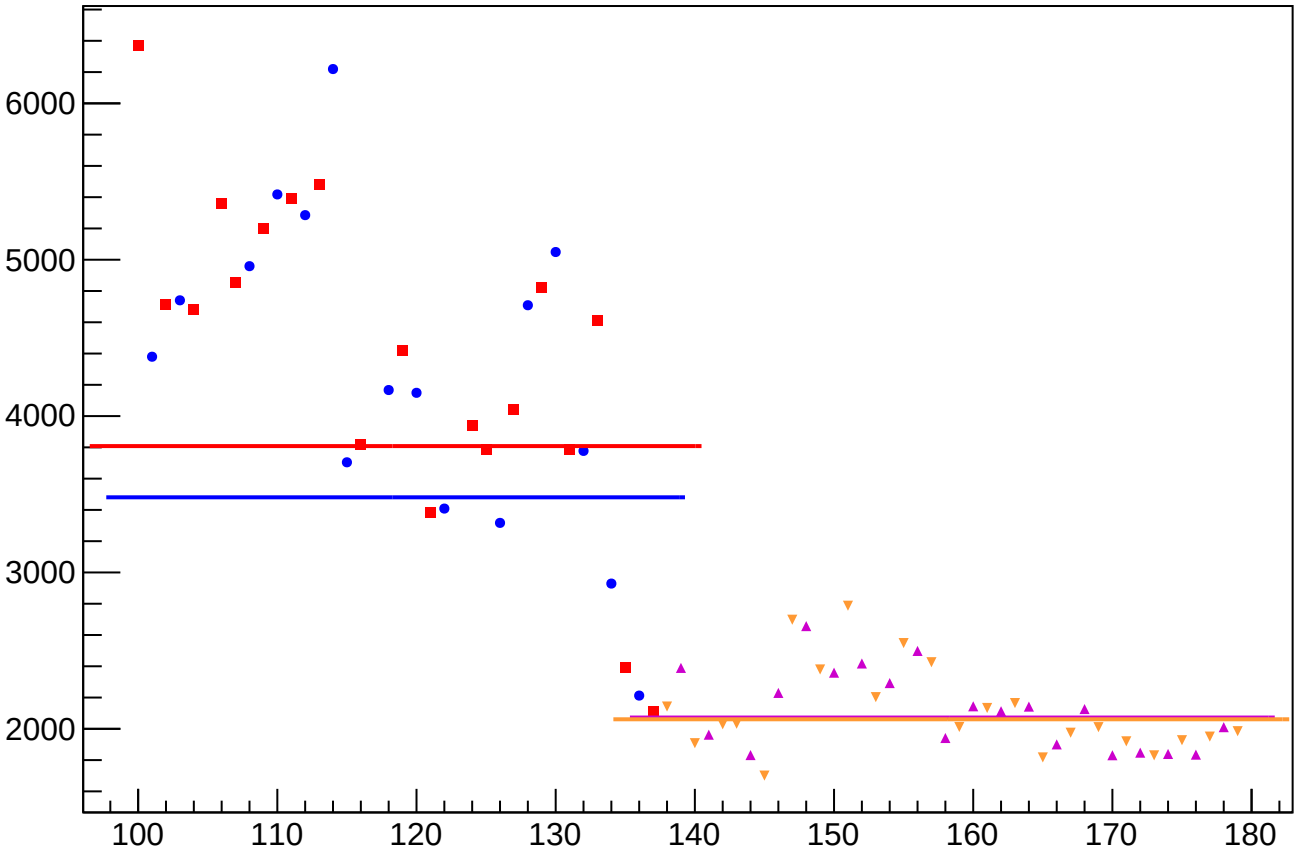
Right Out: 832.583+/-1449.649 χ^2/NDF: 14.0/18

Left In: 490.886+/-516.999 χ^2/NDF:28.9/19

+ sign 1183.922+/-467.583 χ^2/NDF: 58.8/37

All: 869.961+/-337.273 χ^2/NDF: 102.7/76

- sign 529.443+/-486.958 χ^2/NDF: 42.9/38



Right In: 3480.559+/-0.962 χ^2/NDF: 1296641.6/15

Left Out: 2060.962+/-0.352 χ^2/NDF:505804.5/21

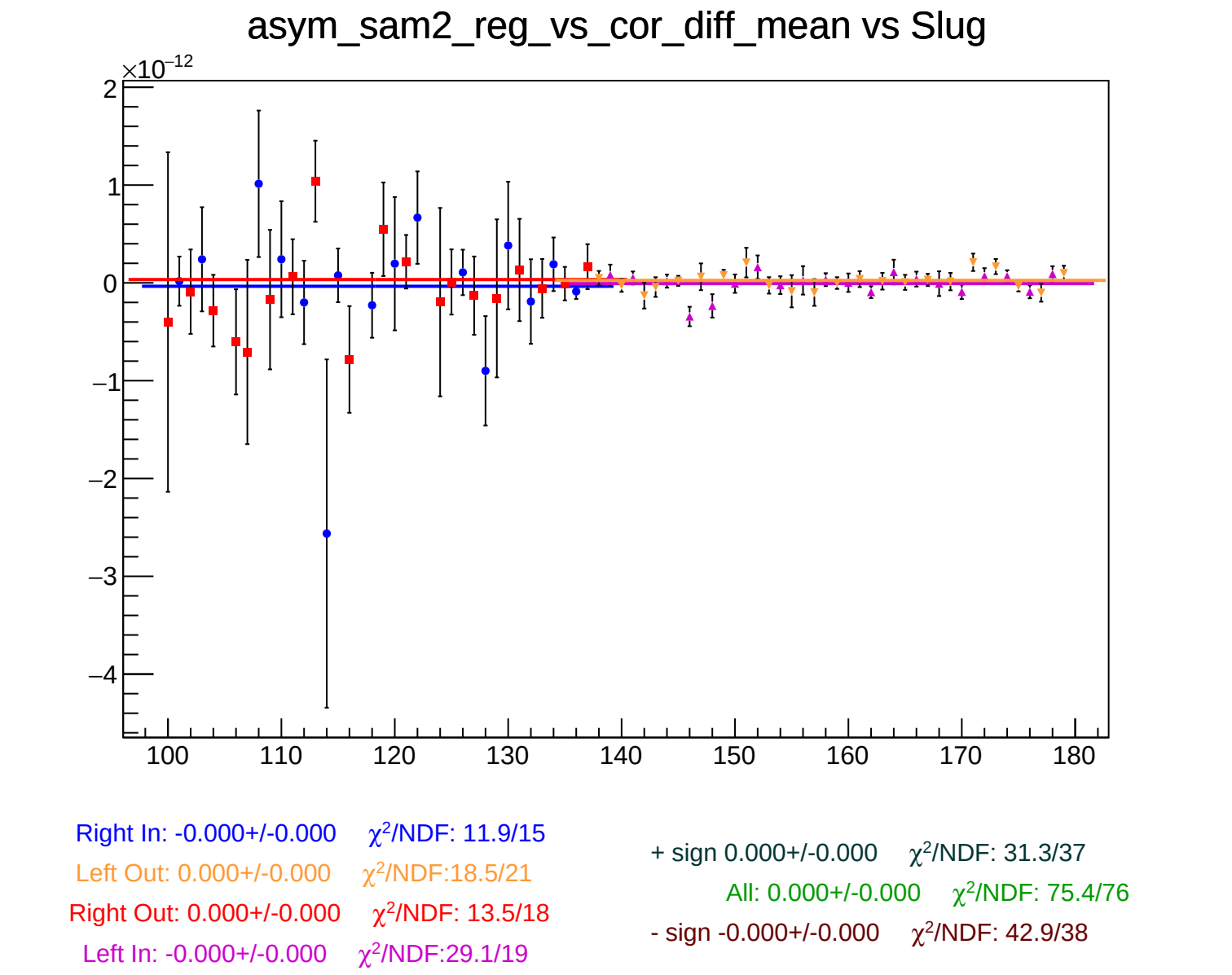
Right Out: 3808.151+/-1.025 χ^2/NDF: 1147564.2/18

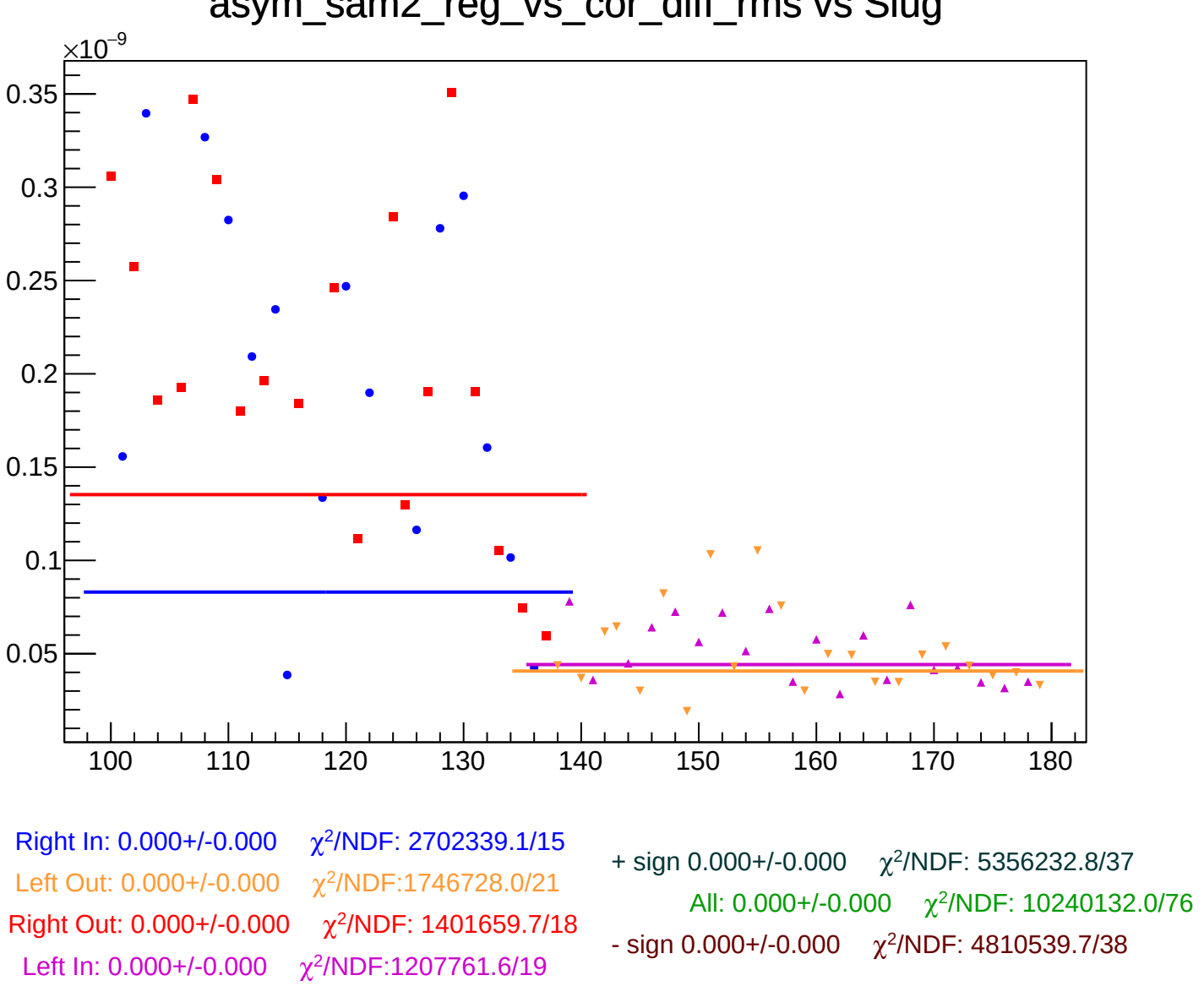
Left In: 2072.176+/-0.366 χ^2/NDF:405974.4/19

+ sign 2228.679+/-0.331 χ^2/NDF: 3723116.3/37

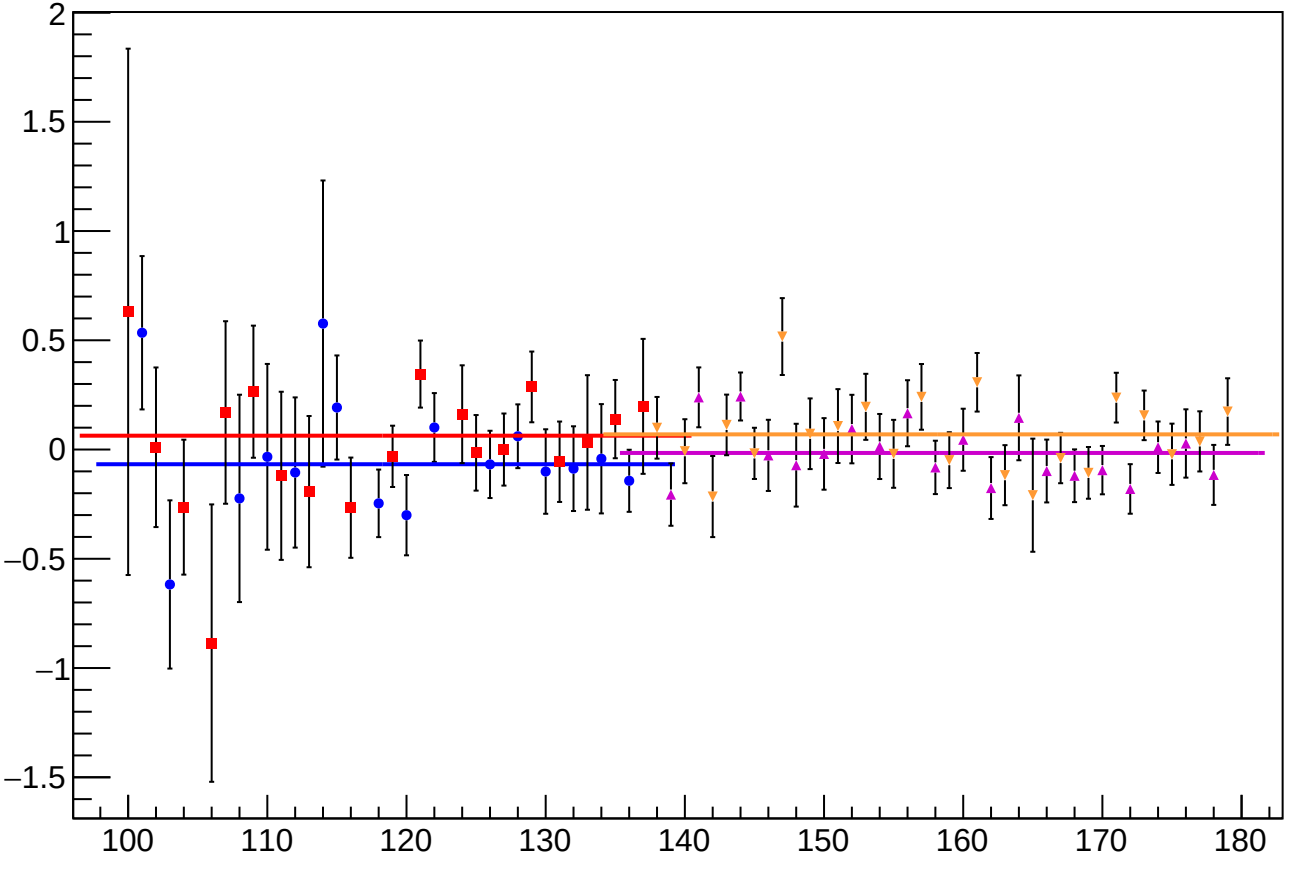
All: 2247.571+/-0.238 χ^2/NDF: 7827911.1/76

- sign 2268.061+/-0.344 χ^2/NDF: 4097988.9/38


asym_sam2_reg_vs_cor_diff_mean vs Slug
×10^−12
2
1
0
−1
−2
−3
−4
100
110
120
130
140
150
160
170
180
Right In: -0.000+/-0.000 χ²/NDF: 11.9/15
Left Out: 0.000+/-0.000 χ²/NDF:18.5/21
Right Out: 0.000+/-0.000 χ²/NDF: 13.5/18
Left In: -0.000+/-0.000 χ²/NDF:29.1/19
+ sign 0.000+/-0.000 χ²/NDF: 31.3/37
All: 0.000+/-0.000 χ²/NDF: 75.4/76
- sign -0.000+/-0.000 χ²/NDF: 42.9/38


asym_sam2_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.35
0.3
0.25
0.2
0.15
0.1
0.05
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2702339.1/15
Left Out: 0.000+/-0.000 χ²/NDF:1746728.0/21
Right Out: 0.000+/-0.000 χ²/NDF: 1401659.7/18
Left In: 0.000+/-0.000 χ²/NDF:1207761.6/19
+ sign 0.000+/-0.000 χ²/NDF: 5356232.8/37
All: 0.000+/-0.000 χ²/NDF: 10240132.0/76
- sign 0.000+/-0.000 χ²/NDF: 4810539.7/38

asym_sam2_dit_vs_cor_diff_mean vs Slug



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.069+/-0.030 χ^2/NDF:26.0/21

Right Out: 0.063+/-0.052 χ^2/NDF: 14.0/18

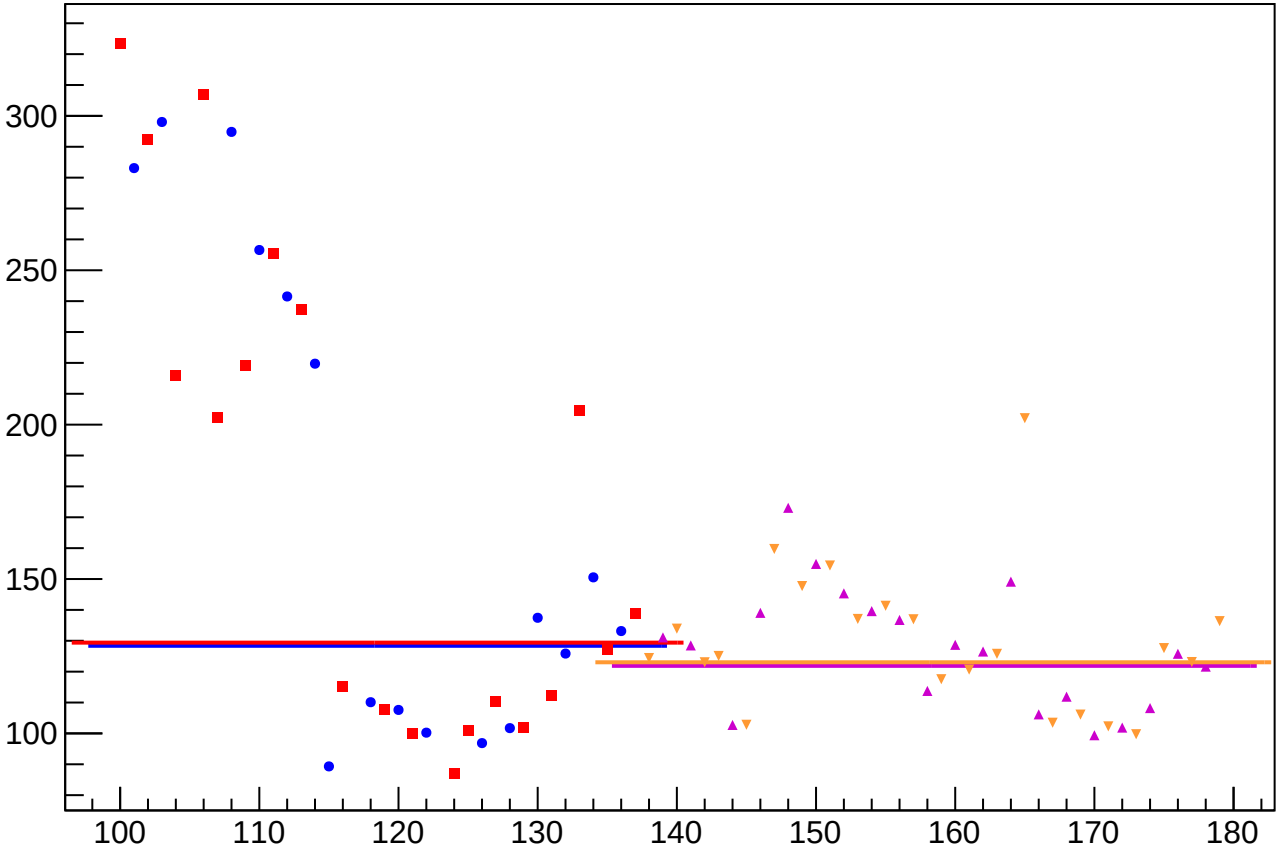
Left In: -0.016+/-0.031 χ^2/NDF:19.6/19

+ sign 0.035+/-0.026 χ^2/NDF: 43.7/37

All: 0.020+/-0.019 χ^2/NDF: 79.7/76

- sign 0.005+/-0.026 χ^2/NDF: 35.4/38

asym_sam2_dit_vs_cor_diff_rms vs Slug



Right In: 128.380+/-0.037 χ^2/NDF: 1805078.6/15

Left Out: 123.035+/-0.021 χ^2/NDF:794314.8/21

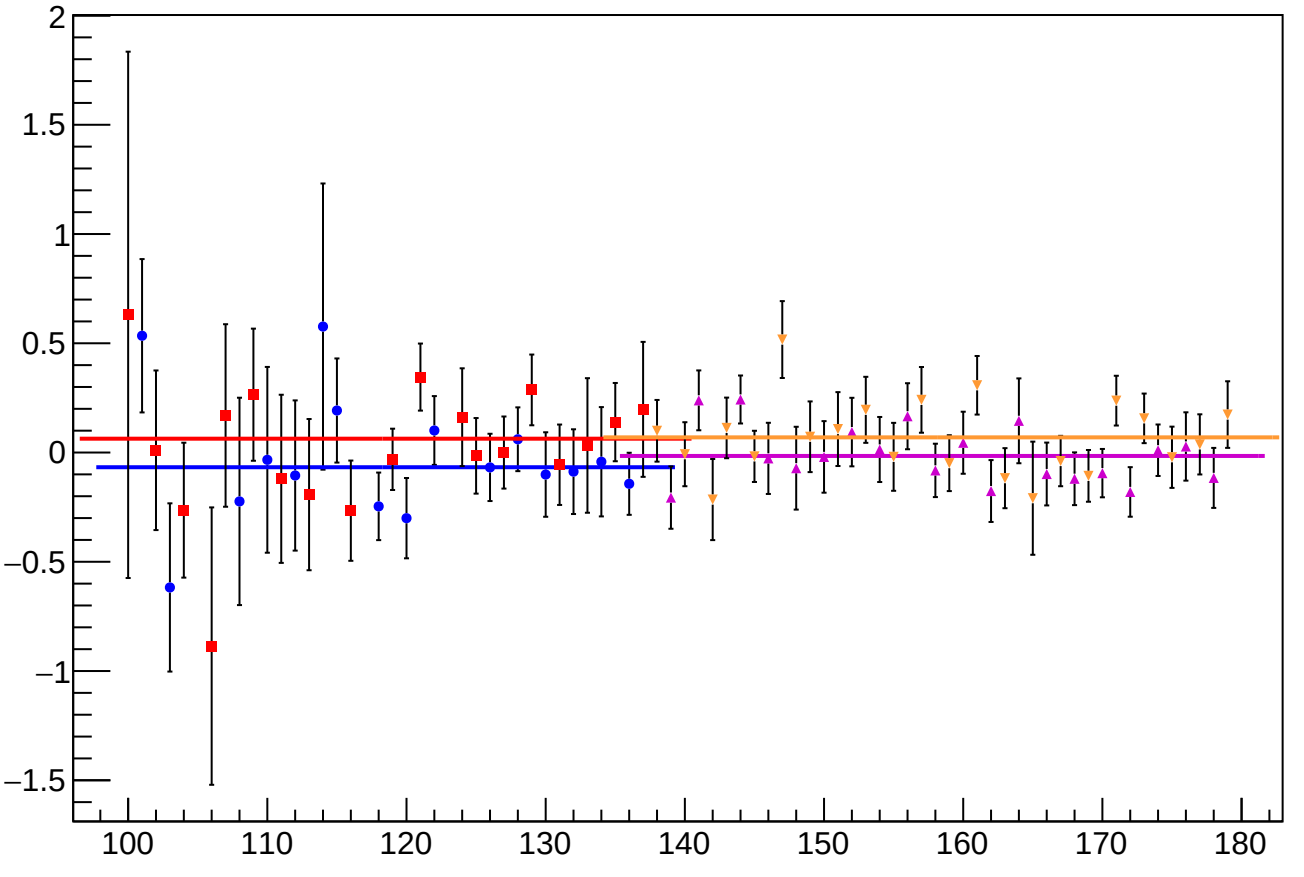
Right Out: 129.399+/-0.037 χ^2/NDF: 1888271.6/18

Left In: 121.883+/-0.022 χ^2/NDF:681220.8/19

+ sign 124.372+/-0.018 χ^2/NDF: 2615377.3/37

All: 124.120+/-0.013 χ^2/NDF: 5216514.4/76

- sign 123.858+/-0.019 χ^2/NDF: 2600750.7/38



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.069+/-0.030 χ^2/NDF:26.0/21

Right Out: 0.063+/-0.052 χ^2/NDF: 14.0/18

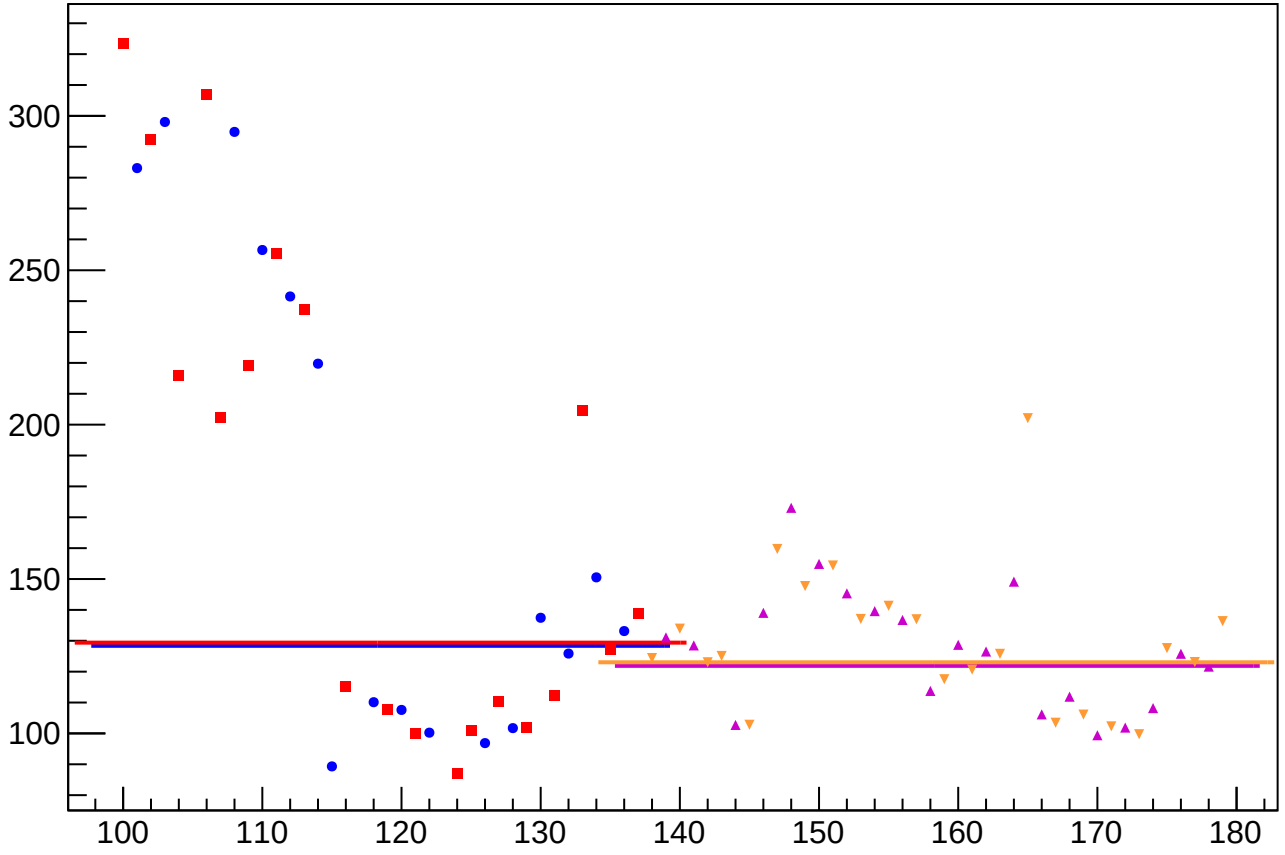
Left In: -0.016+/-0.031 χ^2/NDF:19.6/19

+ sign 0.035+/-0.026 χ^2/NDF: 43.7/37

All: 0.020+/-0.019 χ^2/NDF: 79.7/76

- sign 0.005+/-0.026 χ^2/NDF: 35.4/38

asym_sam2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 128.380+/-0.037 χ^2/NDF: 1805078.6/15

Left Out: 123.035+/-0.021 χ^2/NDF:794314.8/21

Right Out: 129.399+/-0.037 χ^2/NDF: 1888271.6/18

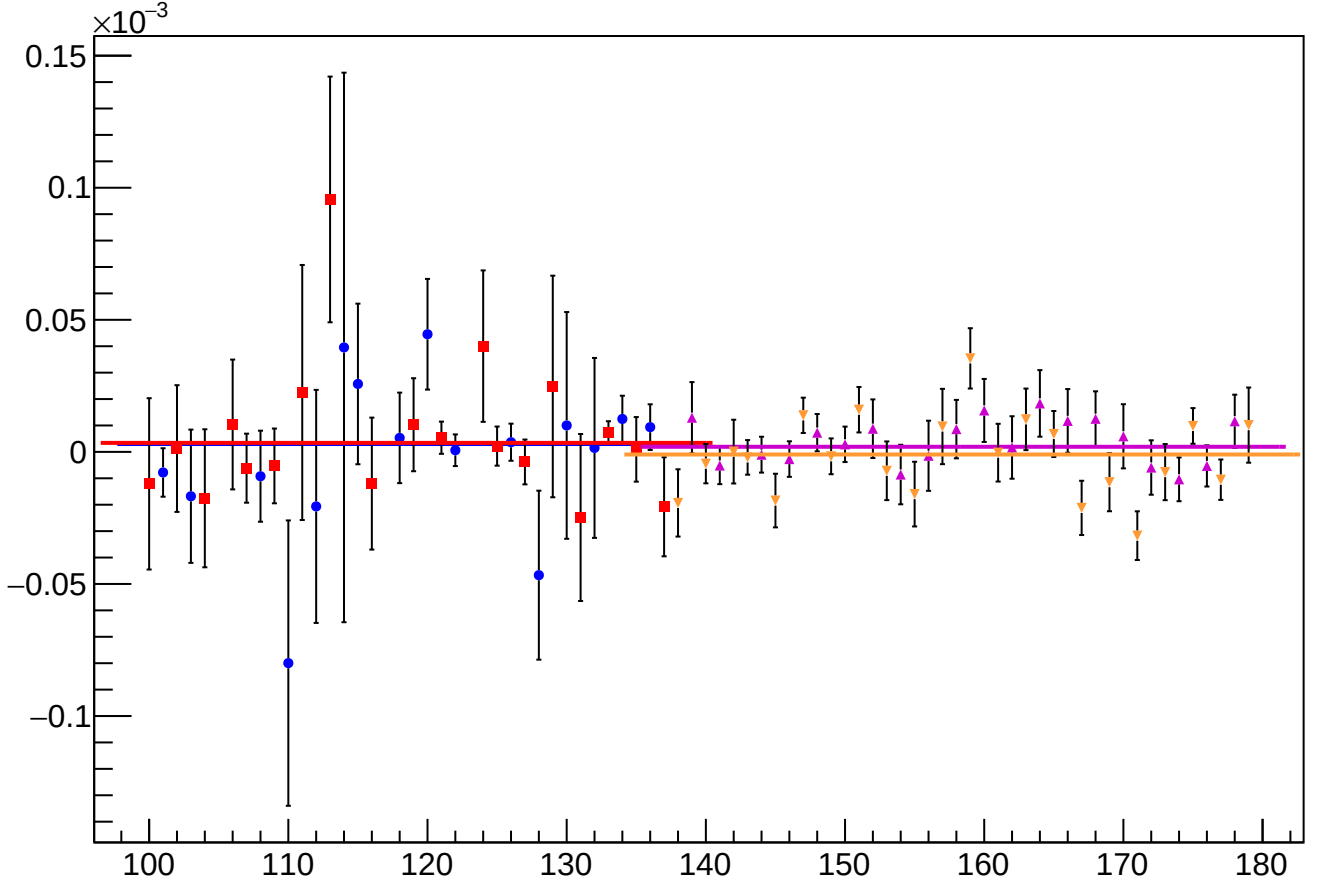
Left In: 121.883+/-0.022 χ^2/NDF:681220.8/19

+ sign 124.372+/-0.018 χ^2/NDF: 2615377.3/37

All: 124.120+/-0.013 χ^2/NDF: 5216514.4/76

- sign 123.858+/-0.019 χ^2/NDF: 2600750.7/38

asym_sam2_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 14.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:49.7/21

Right Out: 0.000+/-0.000 χ^2/NDF: 12.6/18

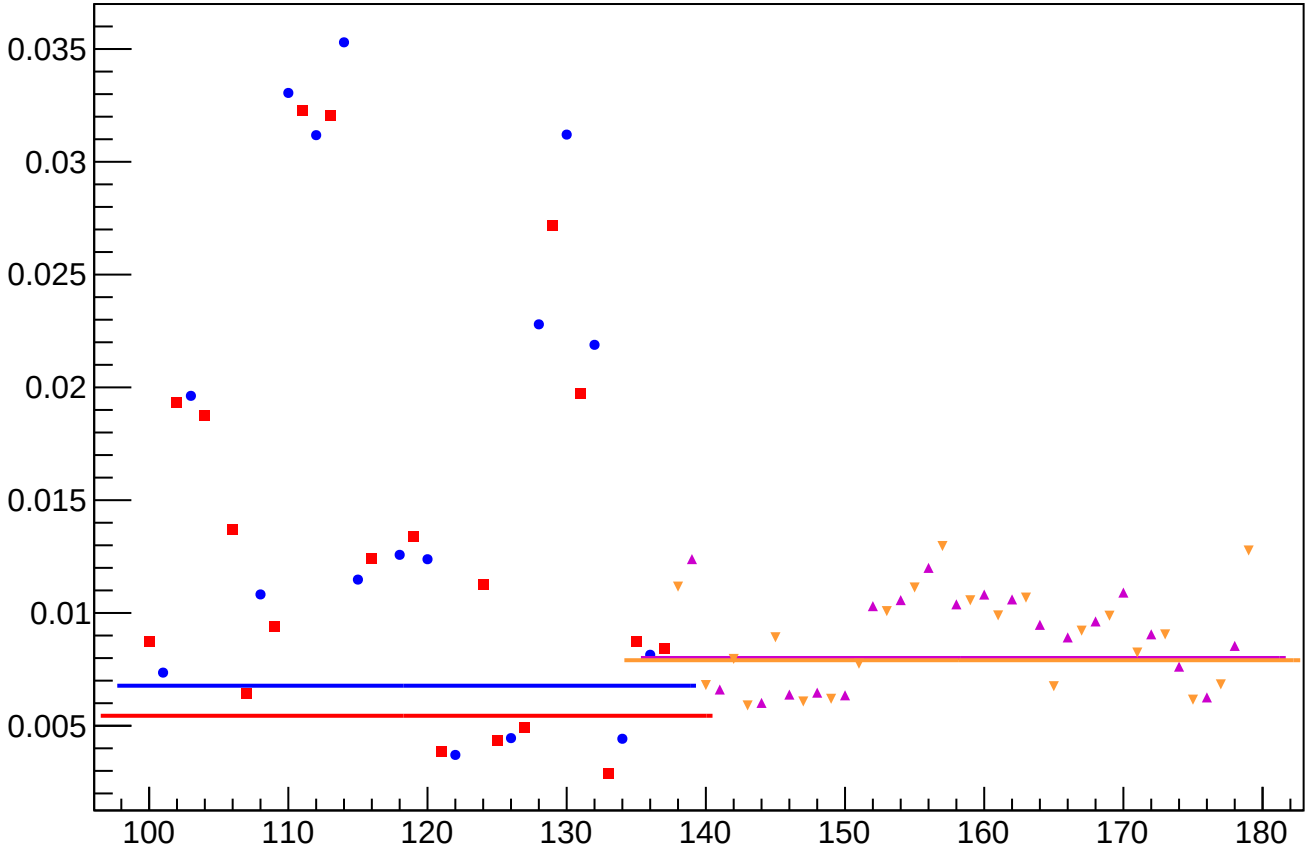
Left In: 0.000+/-0.000 χ^2/NDF:14.0/19

+ sign 0.000+/-0.000 χ^2/NDF: 65.0/37

All: 0.000+/-0.000 χ^2/NDF: 92.8/76

- sign 0.000+/-0.000 χ^2/NDF: 26.8/38

asym_sam2_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 4772275.3/15

Left Out: 0.008+/-0.000 χ^2/NDF:1980071.5/21

Right Out: 0.005+/-0.000 χ^2/NDF: 5572364.1/18

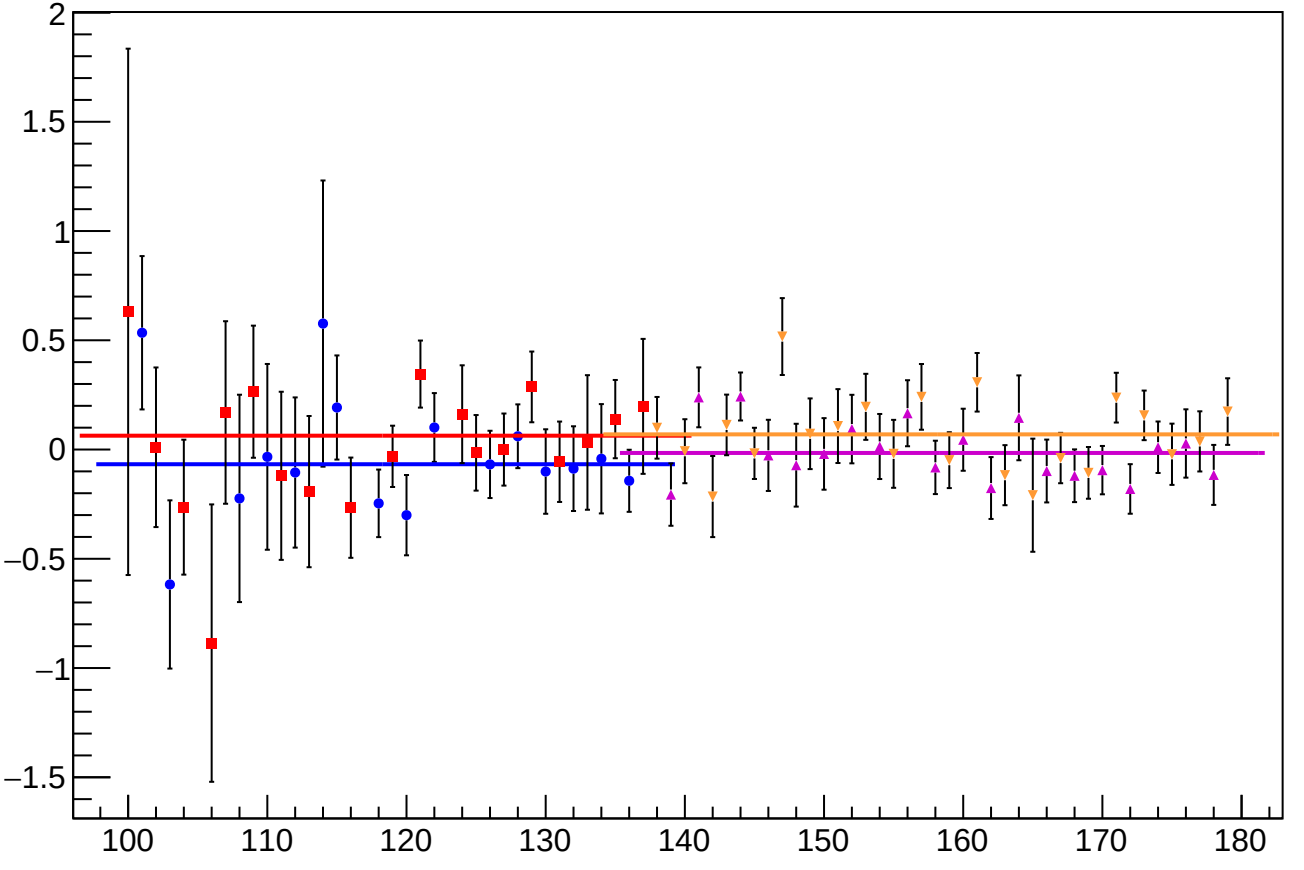
Left In: 0.008+/-0.000 χ^2/NDF:1797661.4/19

+ sign 0.008+/-0.000 χ^2/NDF: 6938613.1/37

All: 0.007+/-0.000 χ^2/NDF: 15626864.7/76

- sign 0.007+/-0.000 χ^2/NDF: 8564737.2/38

asym_sam2_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.069+/-0.030 χ^2/NDF:26.0/21

Right Out: 0.063+/-0.052 χ^2/NDF: 14.0/18

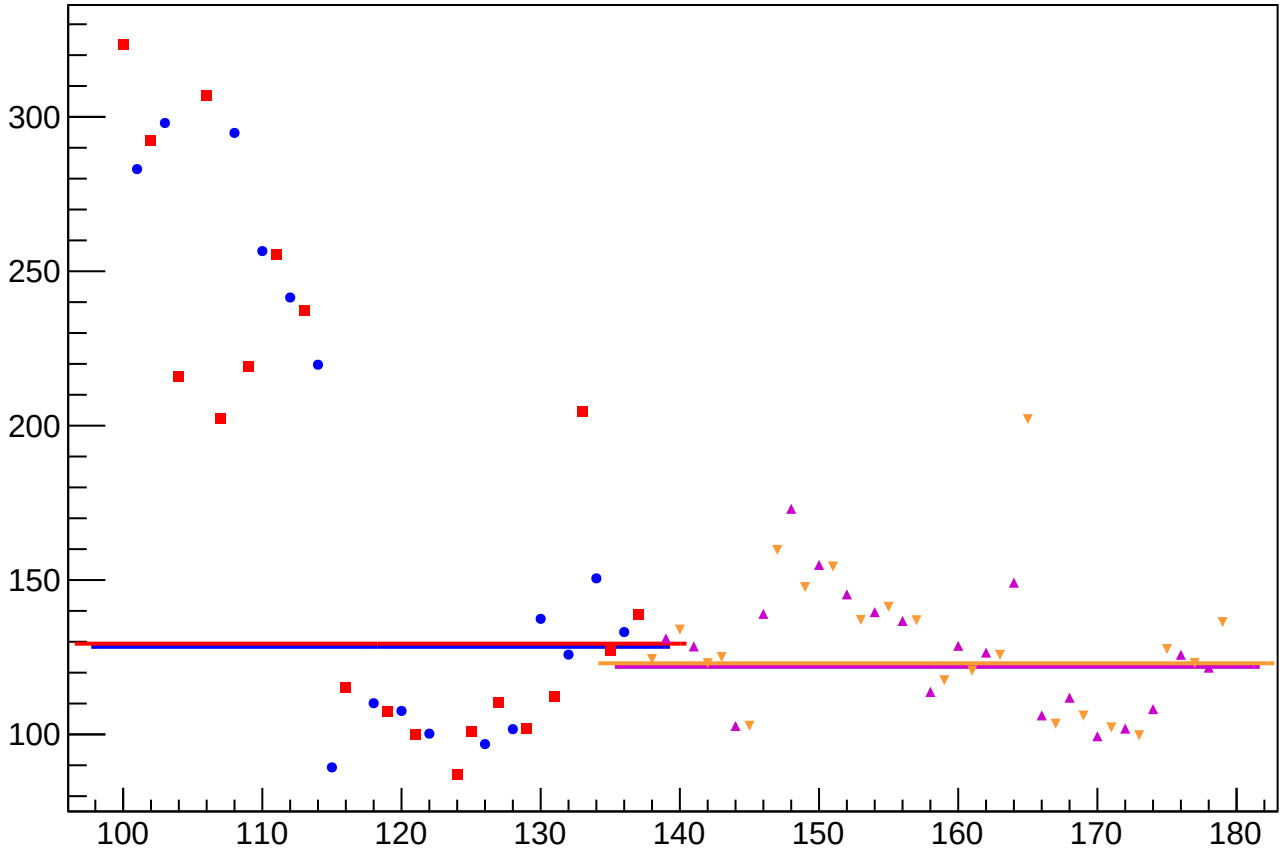
Left In: -0.016+/-0.031 χ^2/NDF:19.6/19

+ sign 0.035+/-0.026 χ^2/NDF: 43.7/37

All: 0.020+/-0.019 χ^2/NDF: 79.7/76

- sign 0.005+/-0.026 χ^2/NDF: 35.4/38

asym_sam2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 128.377+/-0.037 χ^2/NDF: 1805026.7/15

Left Out: 123.035+/-0.021 χ^2/NDF:794368.0/21

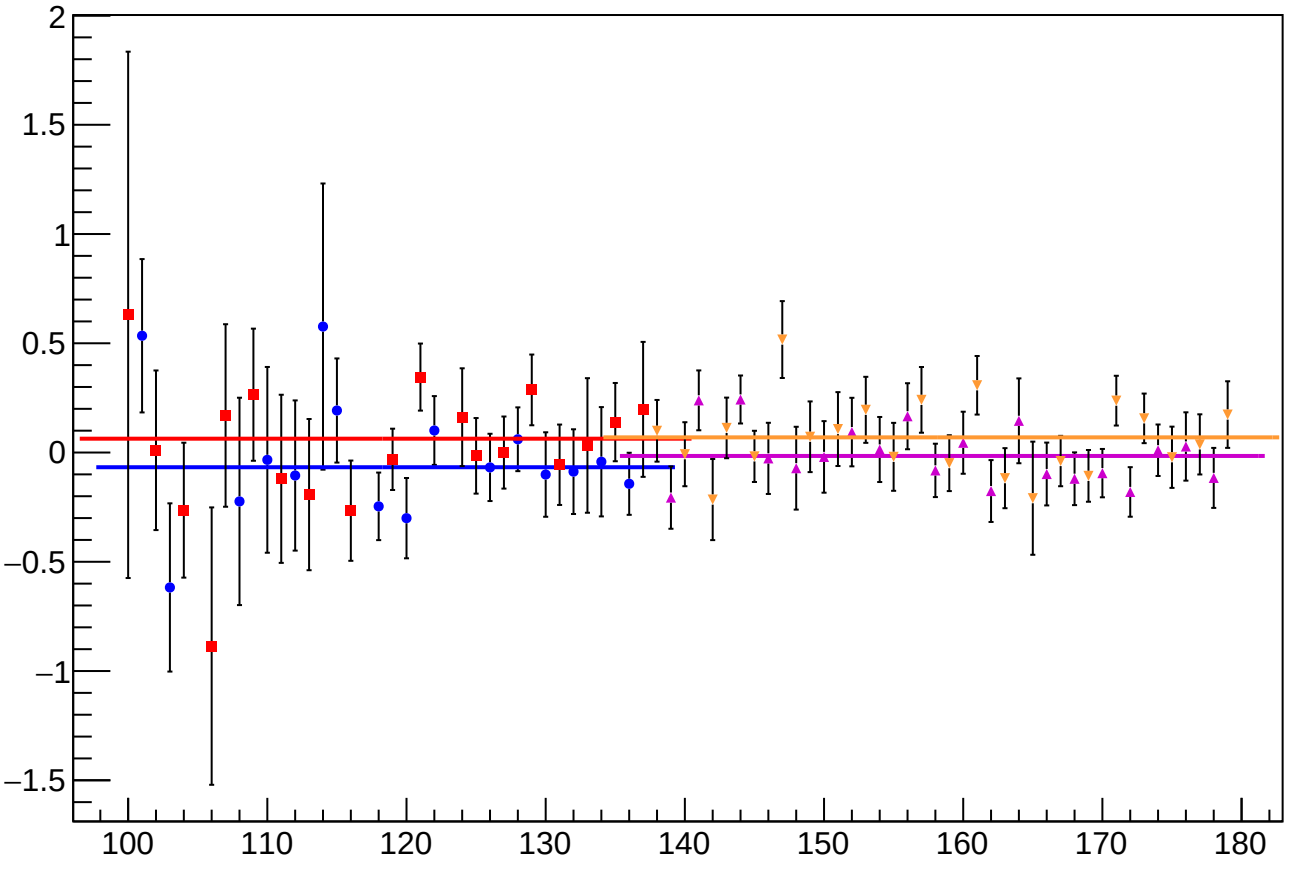
Right Out: 129.396+/-0.036 χ^2/NDF: 1888272.8/18

Left In: 121.883+/-0.022 χ^2/NDF:681246.7/19

+ sign 124.371+/-0.018 χ^2/NDF: 2615361.9/37

All: 124.120+/-0.013 χ^2/NDF: 5216503.1/76

- sign 123.857+/-0.019 χ^2/NDF: 2600754.7/38



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.069+/-0.030 χ^2/NDF:26.0/21

Right Out: 0.063+/-0.052 χ^2/NDF: 14.0/18

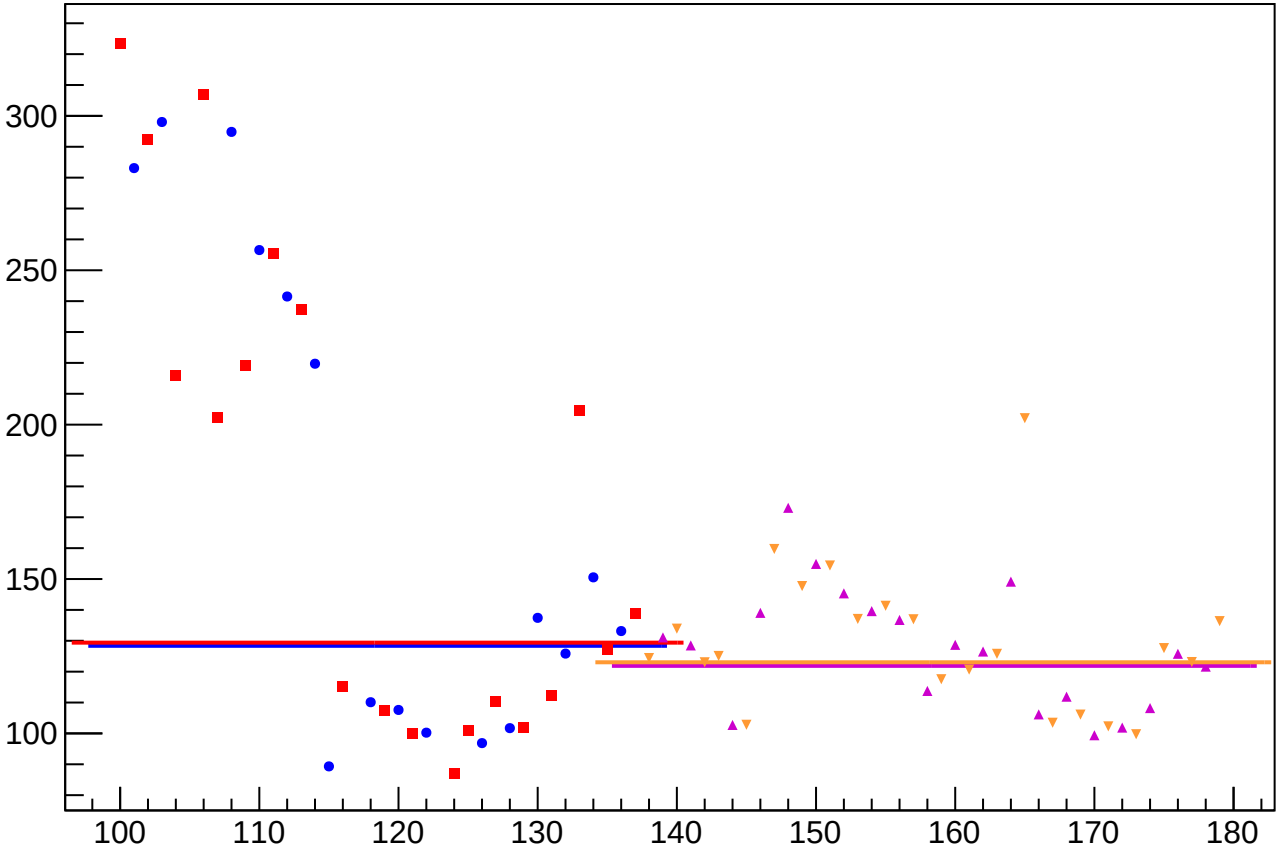
Left In: -0.016+/-0.031 χ^2/NDF:19.6/19

+ sign 0.035+/-0.026 χ^2/NDF: 43.7/37

All: 0.020+/-0.019 χ^2/NDF: 79.7/76

- sign 0.005+/-0.026 χ^2/NDF: 35.4/38

asym_sam2_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 128.377+/-0.037 χ^2/NDF: 1805026.7/15

Left Out: 123.035+/-0.021 χ^2/NDF:794368.0/21

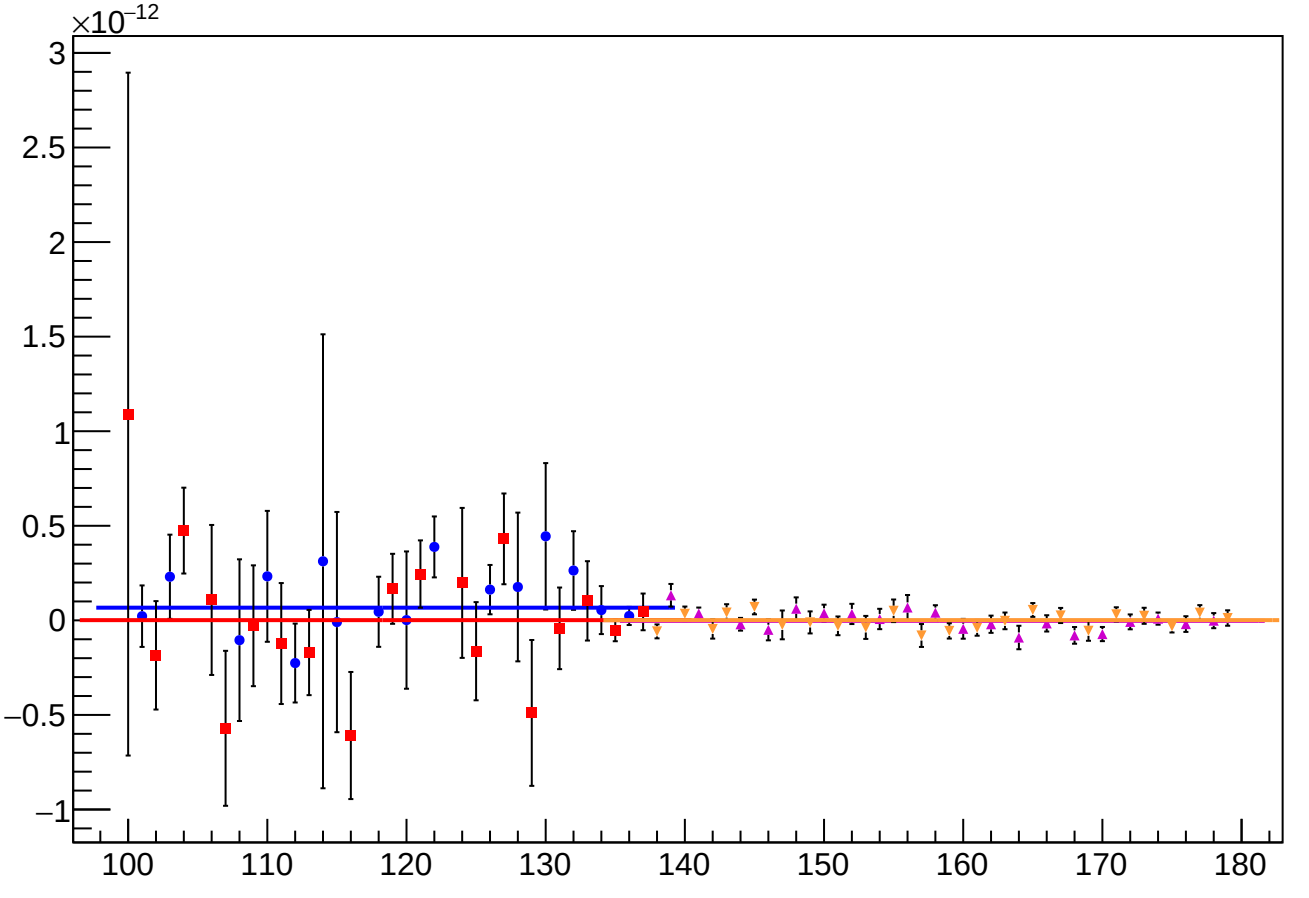
Right Out: 129.396+/-0.036 χ^2/NDF: 1888272.8/18

Left In: 121.883+/-0.022 χ^2/NDF:681246.7/19

+ sign 124.371+/-0.018 χ^2/NDF: 2615361.9/37

All: 124.120+/-0.013 χ^2/NDF: 5216503.1/76

- sign 123.857+/-0.019 χ^2/NDF: 2600754.7/38



Right In: 0.000+/-0.000 χ^2/NDF: 10.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:21.2/21

Right Out: 0.000+/-0.000 χ^2/NDF: 20.7/18

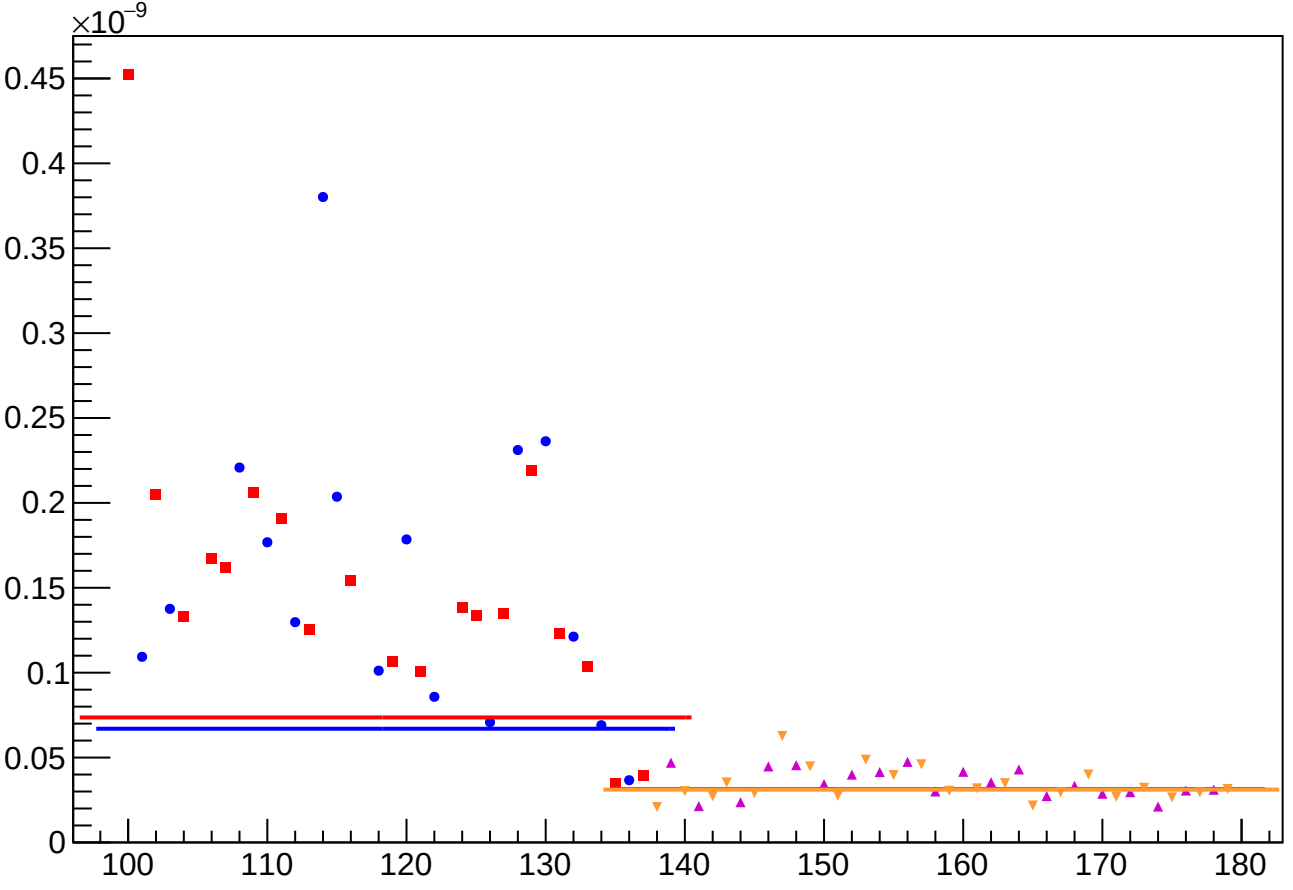
Left In: -0.000+/-0.000 χ^2/NDF:22.1/19

+ sign 0.000+/-0.000 χ^2/NDF: 34.7/37

All: 0.000+/-0.000 χ^2/NDF: 77.9/76

- sign -0.000+/-0.000 χ^2/NDF: 42.8/38

asym_sam2_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 3180725.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1262189.8/21

Right Out: 0.000+/-0.000 χ^2/NDF: 3653663.9/18

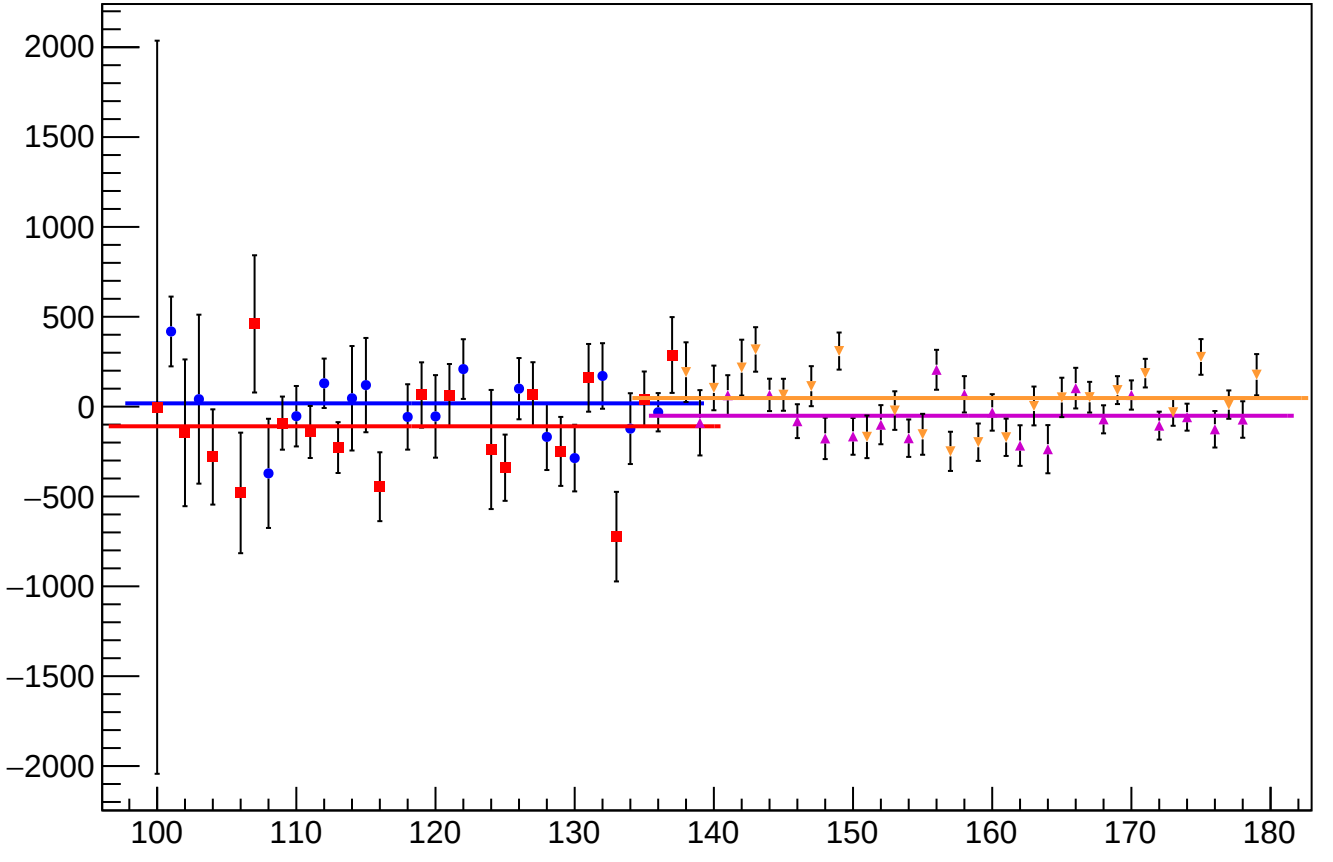
Left In: 0.000+/-0.000 χ^2/NDF:1318112.5/19

+ sign 0.000+/-0.000 χ^2/NDF: 6292600.0/37

All: 0.000+/-0.000 χ^2/NDF: 13428990.1/76

- sign 0.000+/-0.000 χ^2/NDF: 7133107.6/38

reg_asym_sam3_mean vs Slug



Right In: 18.204+/-45.704 χ^2/NDF: 13.9/15

Left Out: 47.763+/-21.518 χ^2/NDF:49.5/21

Right Out: -109.432+/-45.825 χ^2/NDF: 25.5/18

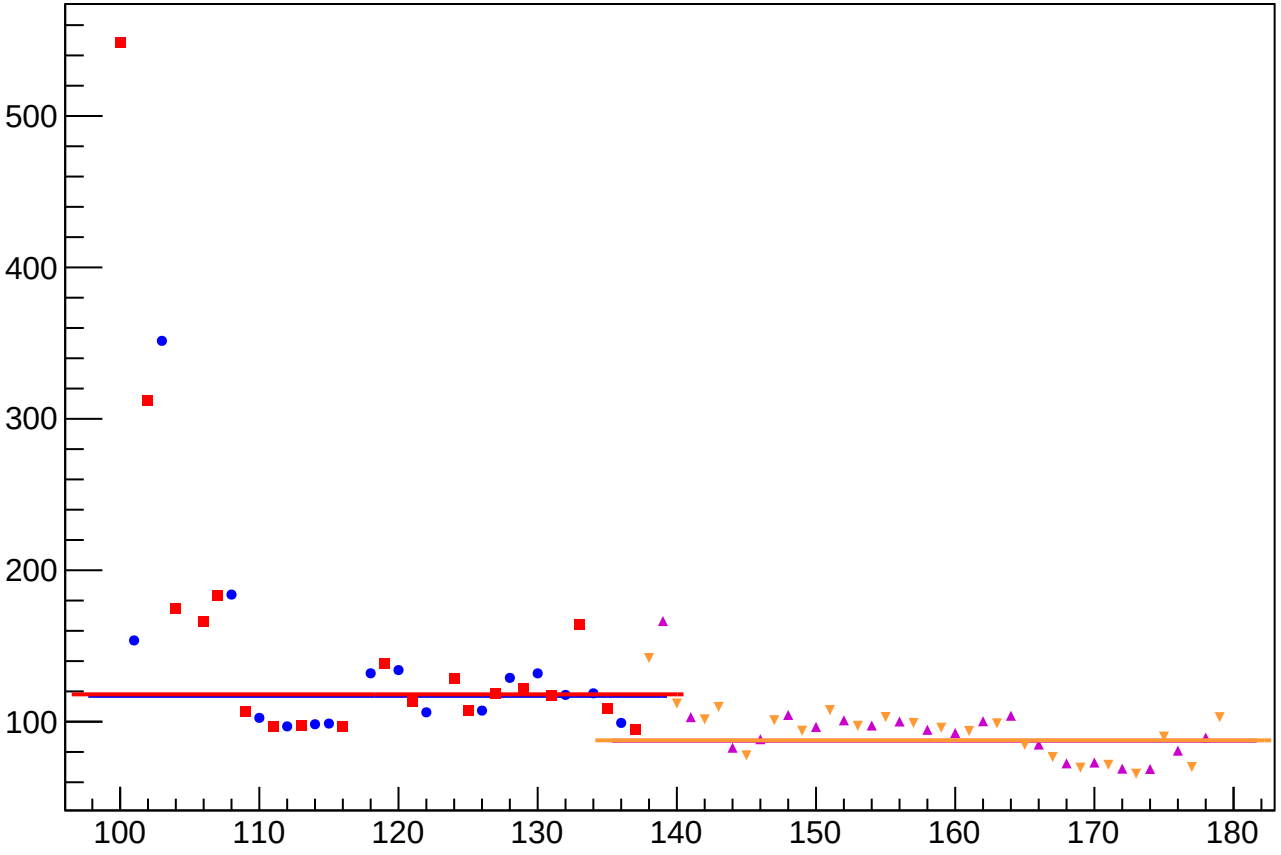
Left In: -50.798+/-22.174 χ^2/NDF:22.8/19

+ sign 42.400+/-19.468 χ^2/NDF: 63.7/37

All: -8.460+/-13.937 χ^2/NDF: 127.3/76

- sign -61.922+/-19.960 χ^2/NDF: 49.6/38

reg_asym_sam3_rms vs Slug



Right In: 117.063+/-0.032 χ^2/NDF: 858400.8/15

Left Out: 87.682+/-0.015 χ^2/NDF:1140036.0/21

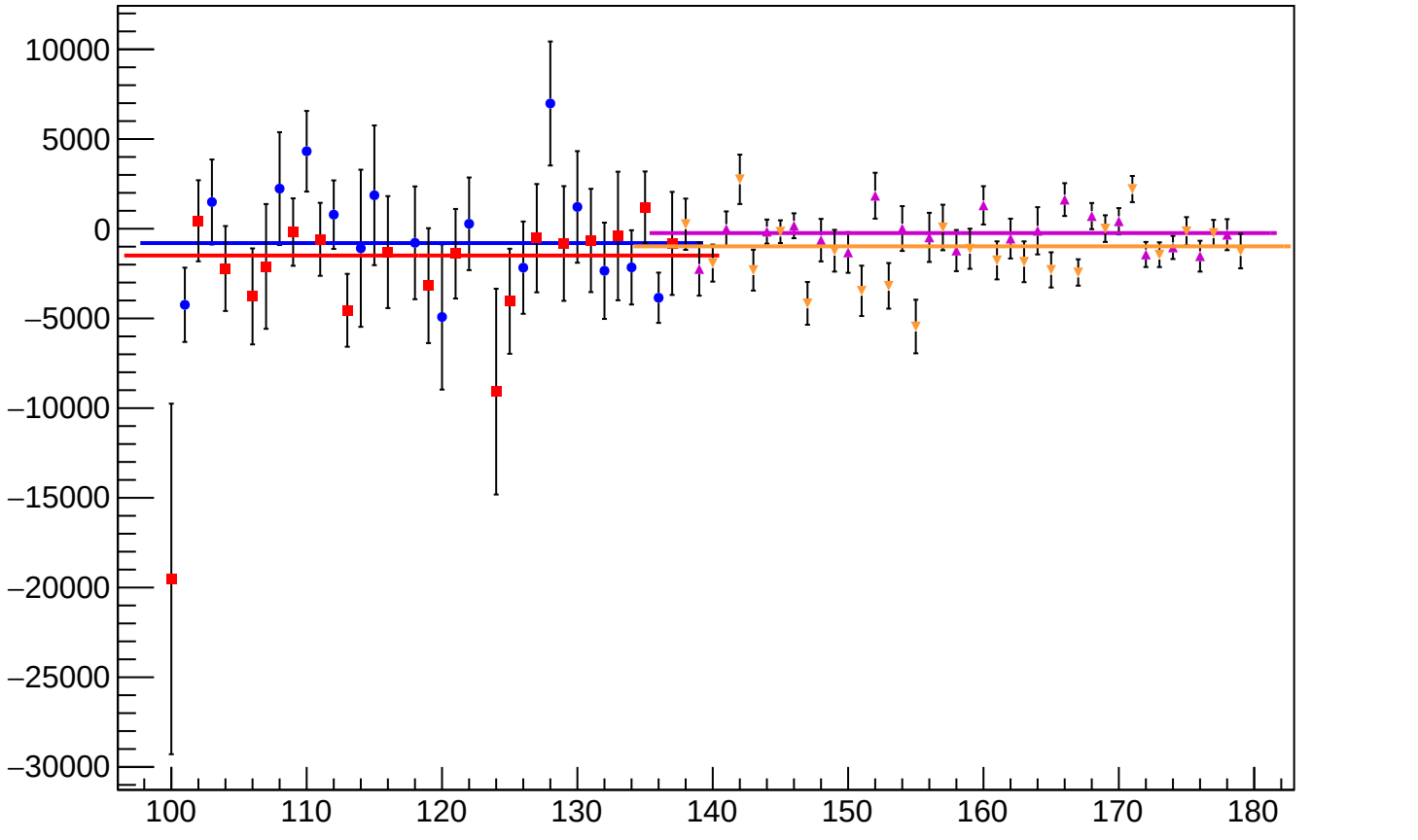
Right Out: 118.057+/-0.032 χ^2/NDF: 990748.0/18

Left In: 87.409+/-0.016 χ^2/NDF:1011287.1/19

+ sign 93.013+/-0.014 χ^2/NDF: 2674988.2/37

All: 93.115+/-0.010 χ^2/NDF: 5402052.2/76

- sign 93.224+/-0.014 χ^2/NDF: 2726949.4/38



Right In: -799.133+/-616.009 χ^2/NDF: 23.4/15

Left Out: -981.074+/-202.046 χ^2/NDF:65.3/21

Right Out: -1493.897+/-613.097 χ^2/NDF: 12.9/18

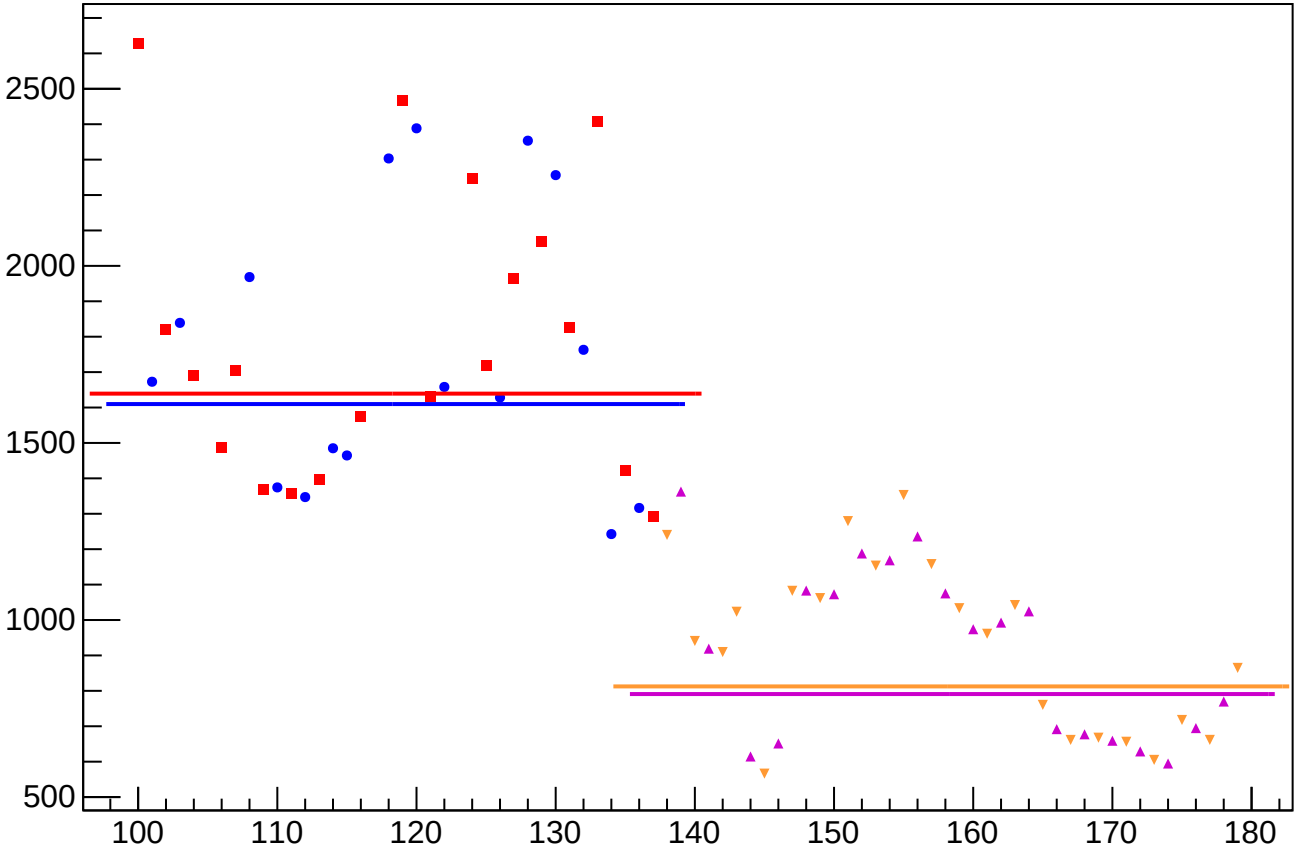
Left In: -241.777+/-203.547 χ^2/NDF:22.2/19

+ sign -963.402+/-191.983 χ^2/NDF: 88.8/37

All: -666.599+/-136.173 χ^2/NDF: 132.5/76

- sign -366.088+/-193.179 χ^2/NDF: 38.9/38

asym_sam3_reg_correction_rms vs Slug



Right In: 1609.782+/-0.436 χ^2/NDF: 619129.2/15

Left Out: 812.508+/-0.143 χ^2/NDF:2314838.3/21

Right Out: 1639.241+/-0.434 χ^2/NDF: 520182.2/18

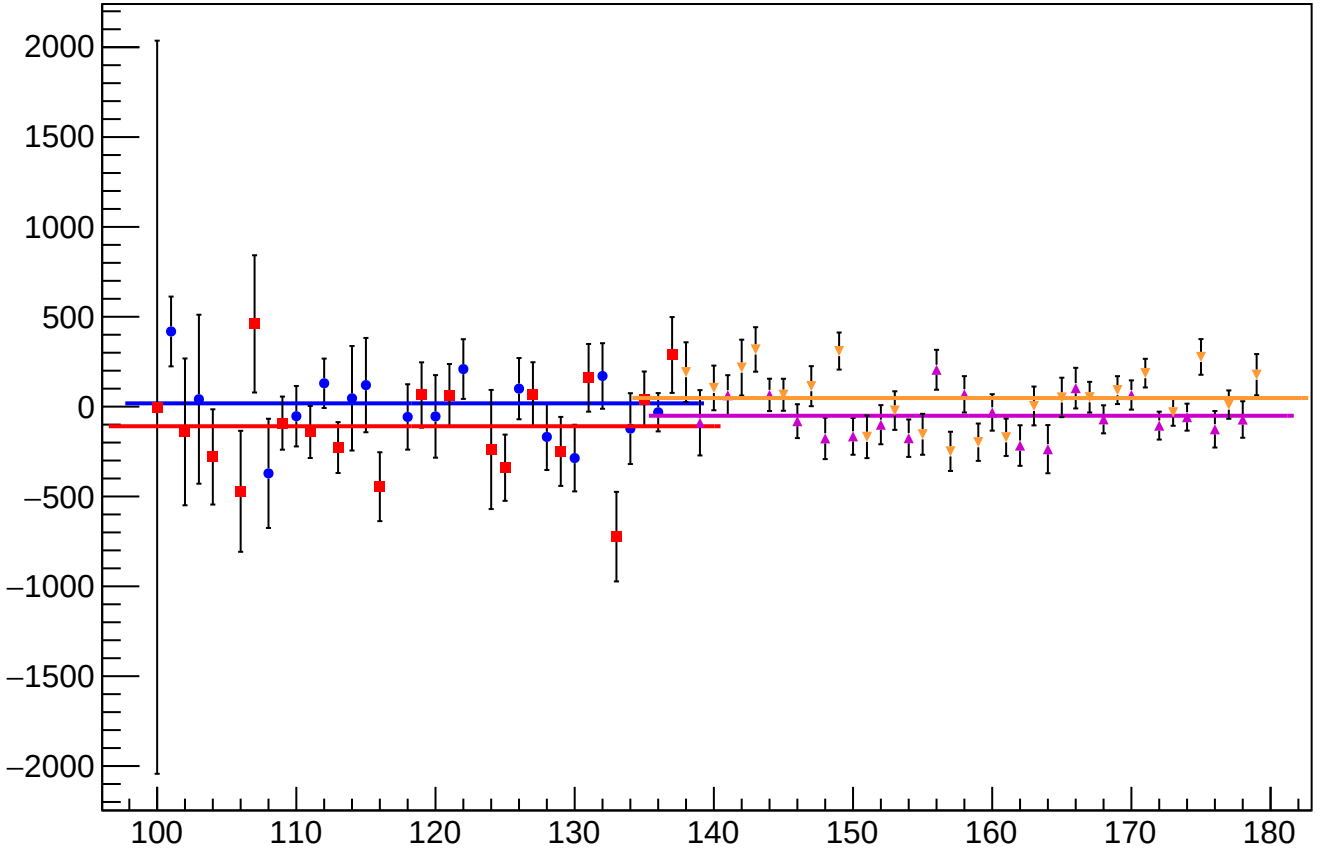
Left In: 790.938+/-0.144 χ^2/NDF:2144169.4/19

+ sign 889.947+/-0.136 χ^2/NDF: 5958763.1/37

All: 882.598+/-0.096 χ^2/NDF: 12077775.0/76

- sign 875.158+/-0.137 χ^2/NDF: 6113114.6/38

cor_asym_sam3_mean vs Slug



Right In: 18.191+/-45.704 χ^2/NDF: 13.9/15

Left Out: 47.768+/-21.518 χ^2/NDF:49.5/21

Right Out: -109.151+/-45.828 χ^2/NDF: 25.4/18

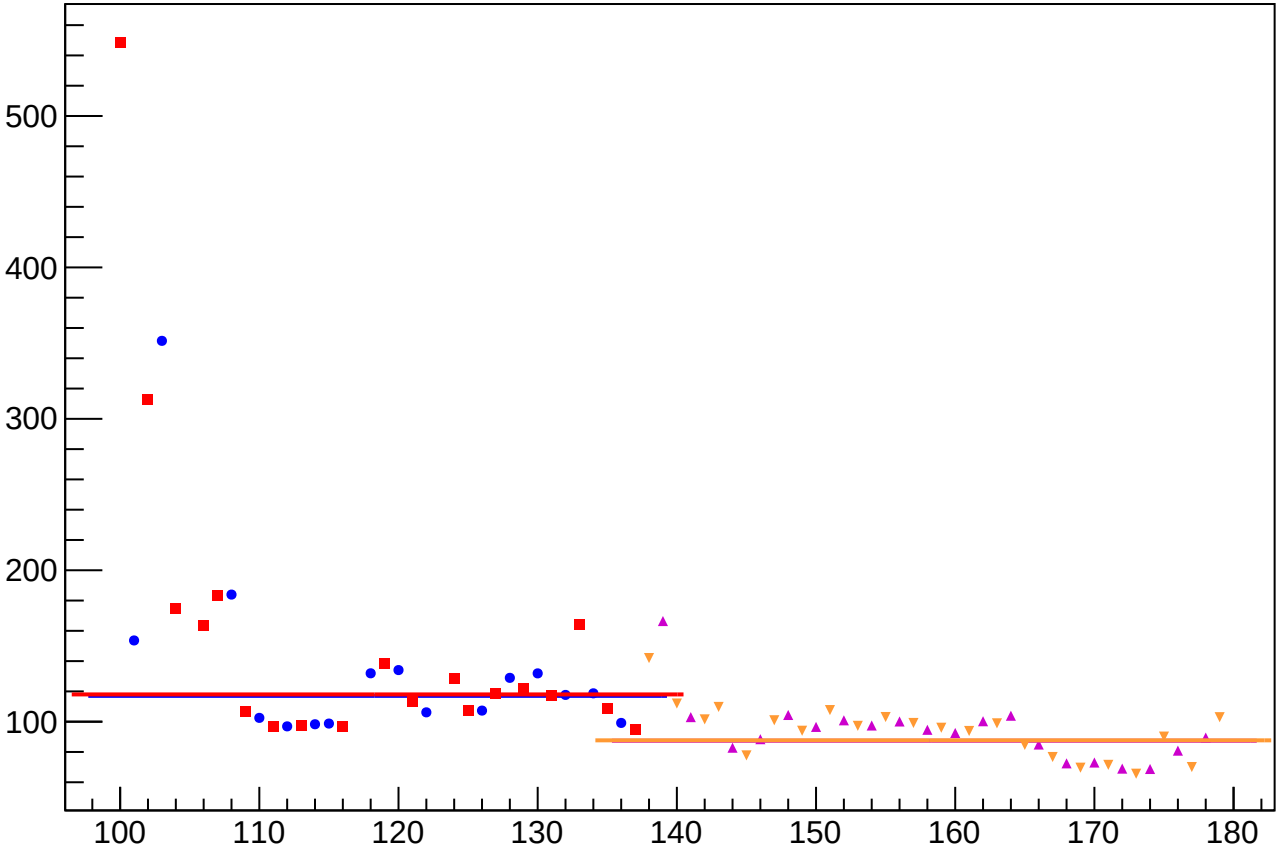
Left In: -50.800+/-22.174 χ^2/NDF:22.8/19

+ sign 42.402+/-19.468 χ^2/NDF: 63.7/37

All: -8.433+/-13.937 χ^2/NDF: 127.2/76

- sign -61.869+/-19.960 χ^2/NDF: 49.5/38

cor_asym_sam3_rms vs Slug



Right In: 117.063+/-0.032 χ^2/NDF: 858402.8/15

Left Out: 87.682+/-0.015 χ^2/NDF:1140035.9/21

Right Out: 118.006+/-0.032 χ^2/NDF: 986553.8/18

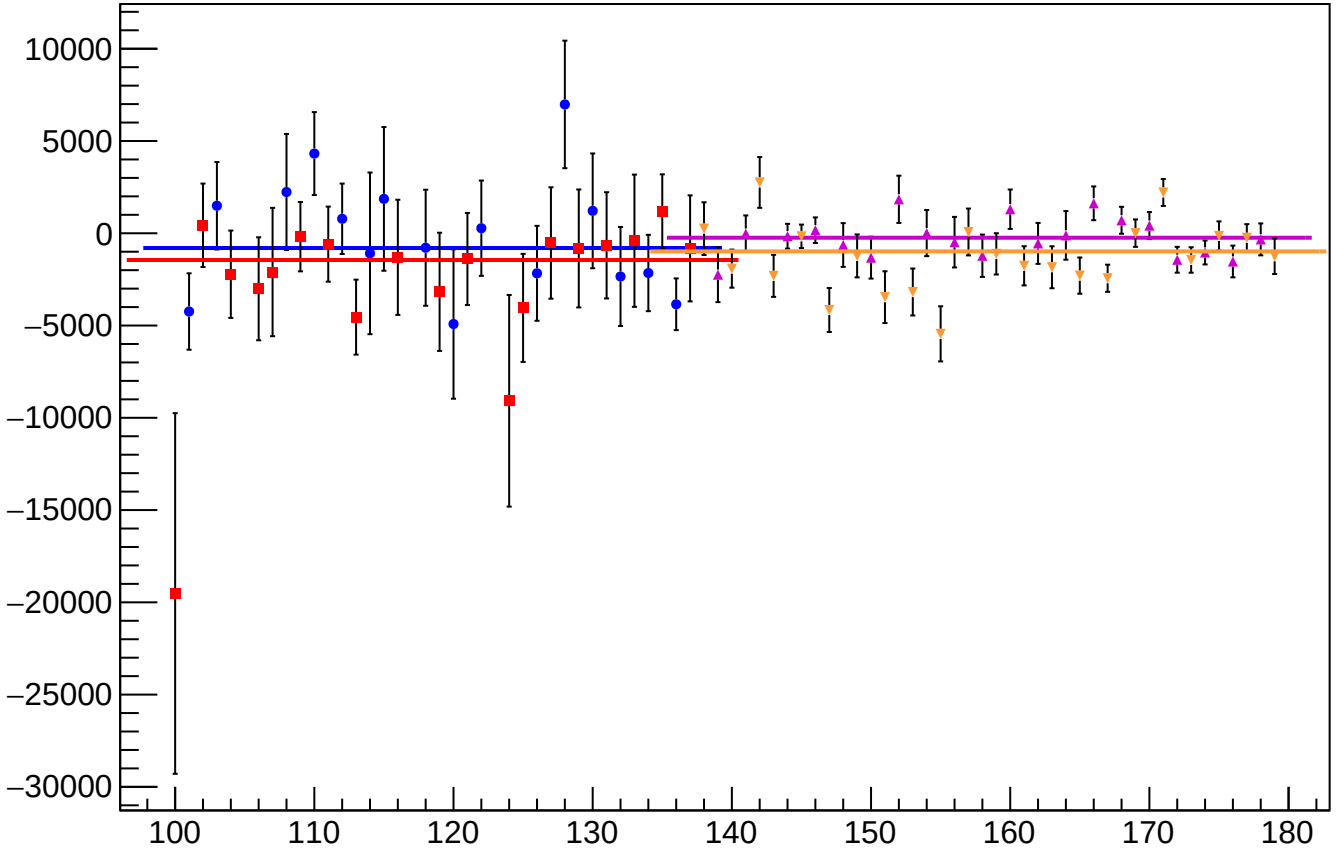
Left In: 87.409+/-0.016 χ^2/NDF:1011287.1/19

+ sign 93.013+/-0.014 χ^2/NDF: 2674989.7/37

All: 93.110+/-0.010 χ^2/NDF: 5395324.0/76

- sign 93.213+/-0.014 χ^2/NDF: 2720230.7/38

asym_sam3_cor_correction_mean vs Slug



Right In: -799.116+/-616.014 χ^2/NDF: 23.4/15

Left Out: -981.065+/-202.046 χ^2/NDF:65.3/21

Right Out: -1448.433+/-614.443 χ^2/NDF: 12.5/18

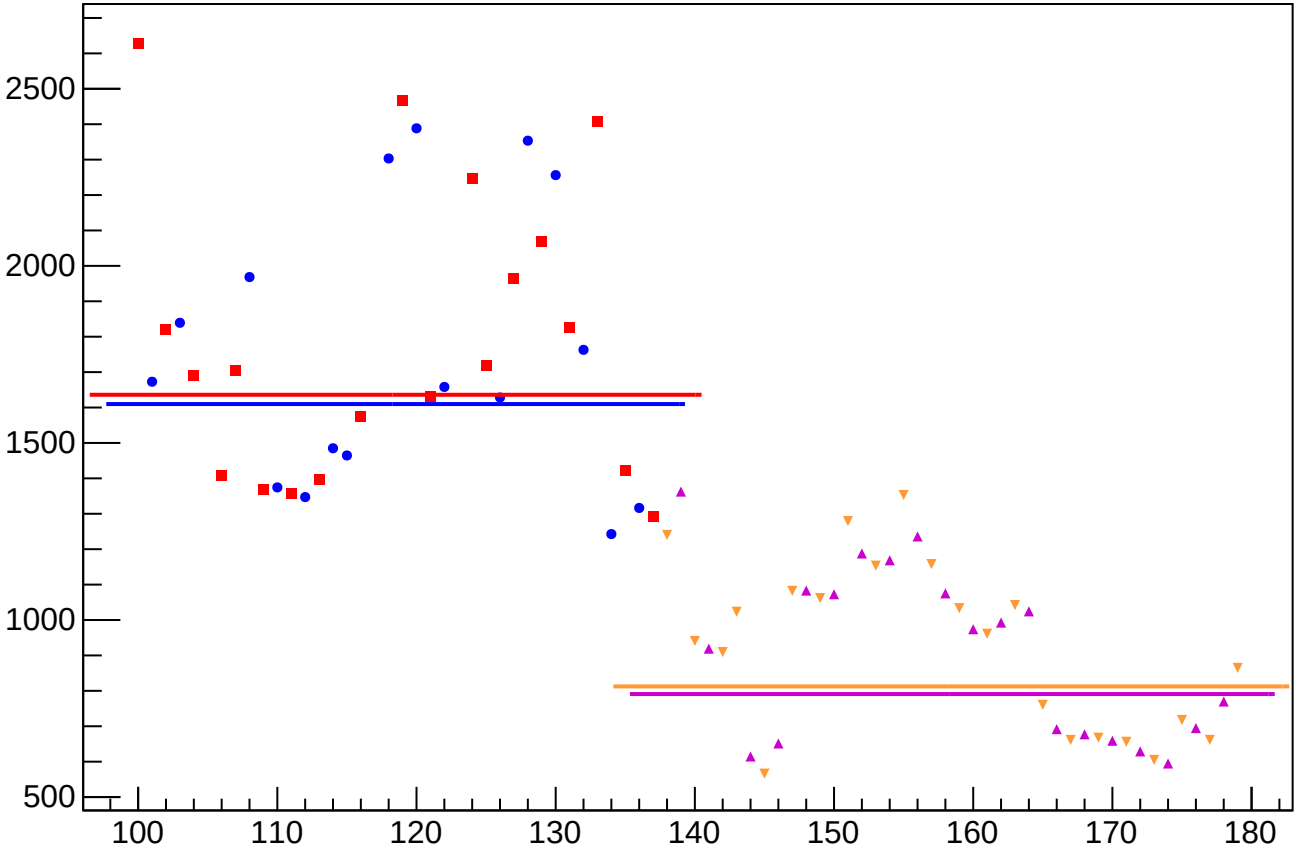
Left In: -241.779+/-203.547 χ^2/NDF:22.2/19

\+ sign -963.392+/-191.983 χ^2/NDF: 88.8/37

All: -664.183+/-136.188 χ^2/NDF: 131.8/76

\- sign -361.103+/-193.221 χ^2/NDF: 38.1/38

asym_sam3_cor_correction_rms vs Slug



Right In: 1609.791+/-0.436 χ^2/NDF: 619158.3/15

Left Out: 812.507+/-0.143 χ^2/NDF:2314840.9/21

Right Out: 1636.046+/-0.434 χ^2/NDF: 527809.9/18

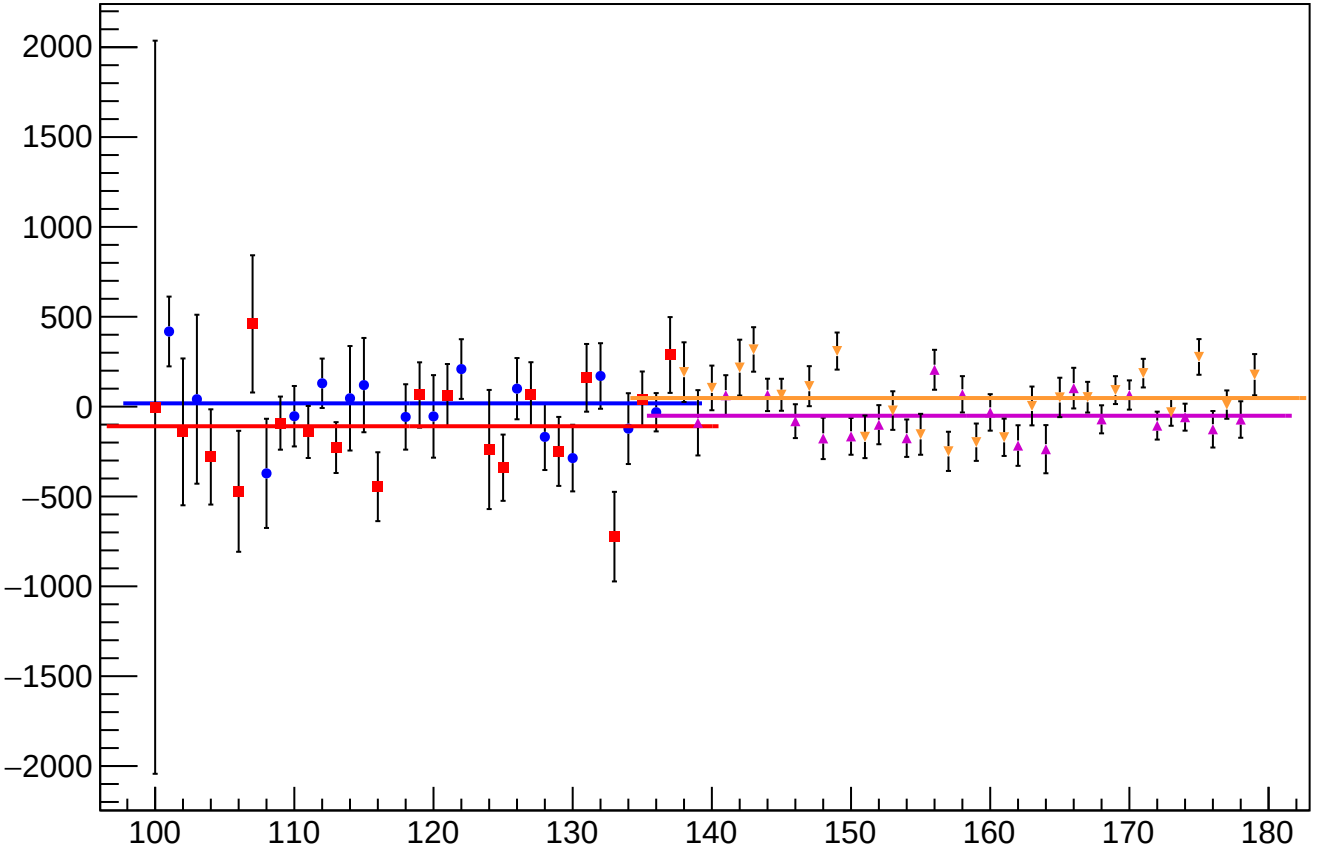
Left In: 790.938+/-0.144 χ^2/NDF:2144168.1/19

+ sign 889.946+/-0.136 χ^2/NDF: 5958829.7/37

All: 882.277+/-0.096 χ^2/NDF: 12046564.4/76

- sign 874.510+/-0.137 χ^2/NDF: 6081311.3/38

eigen_cor_asym_sam3_mean vs Slug



Right In: 18.191+/-45.704 χ^2/NDF: 13.9/15

Left Out: 47.768+/-21.518 χ^2/NDF:49.5/21

Right Out: -109.151+/-45.828 χ^2/NDF: 25.4/18

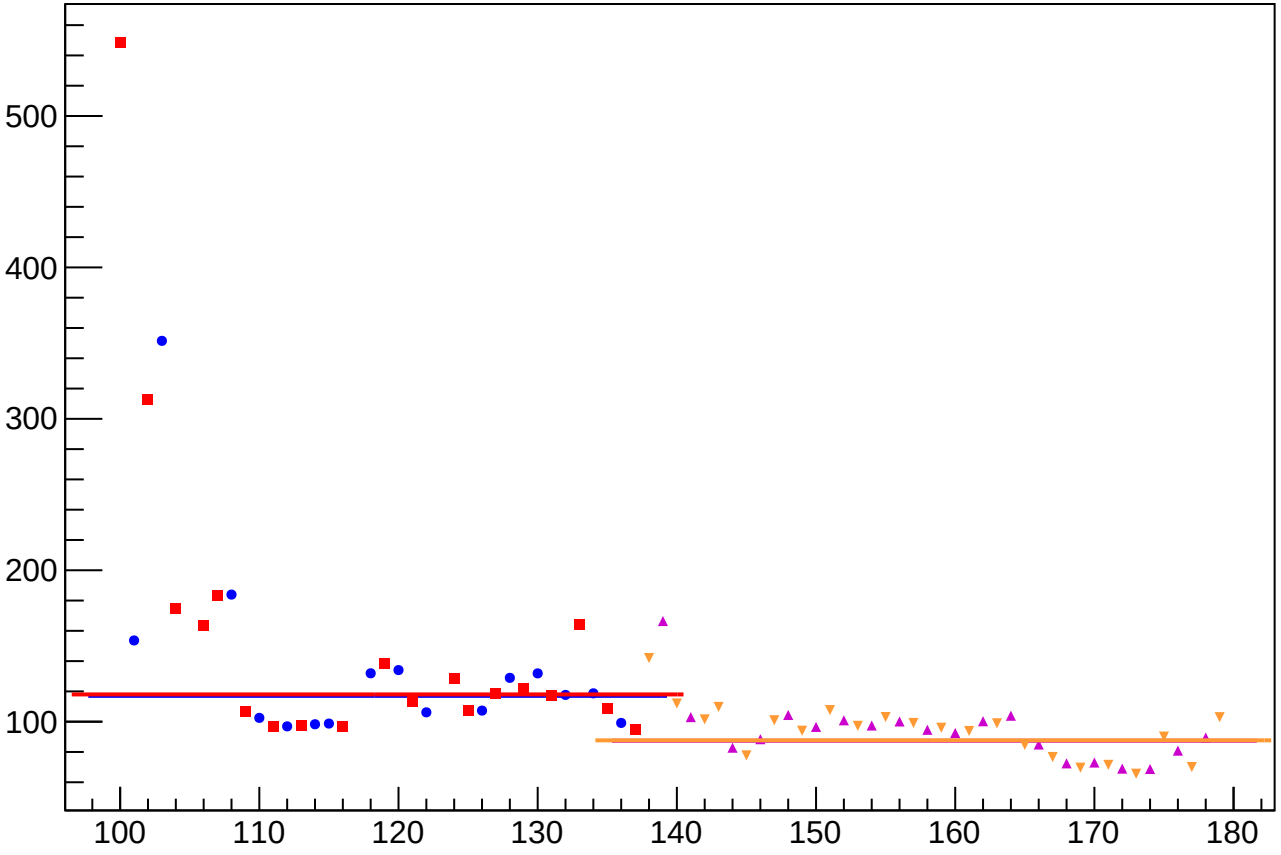
Left In: -50.800+/-22.174 χ^2/NDF:22.8/19

+ sign 42.402+/-19.468 χ^2/NDF: 63.7/37

All: -8.433+/-13.937 χ^2/NDF: 127.2/76

- sign -61.869+/-19.960 χ^2/NDF: 49.5/38

eigen_cor_asym_sam3_rms vs Slug



Right In: 117.063+/-0.032 χ^2/NDF: 858402.8/15

Left Out: 87.682+/-0.015 χ^2/NDF:1140035.9/21

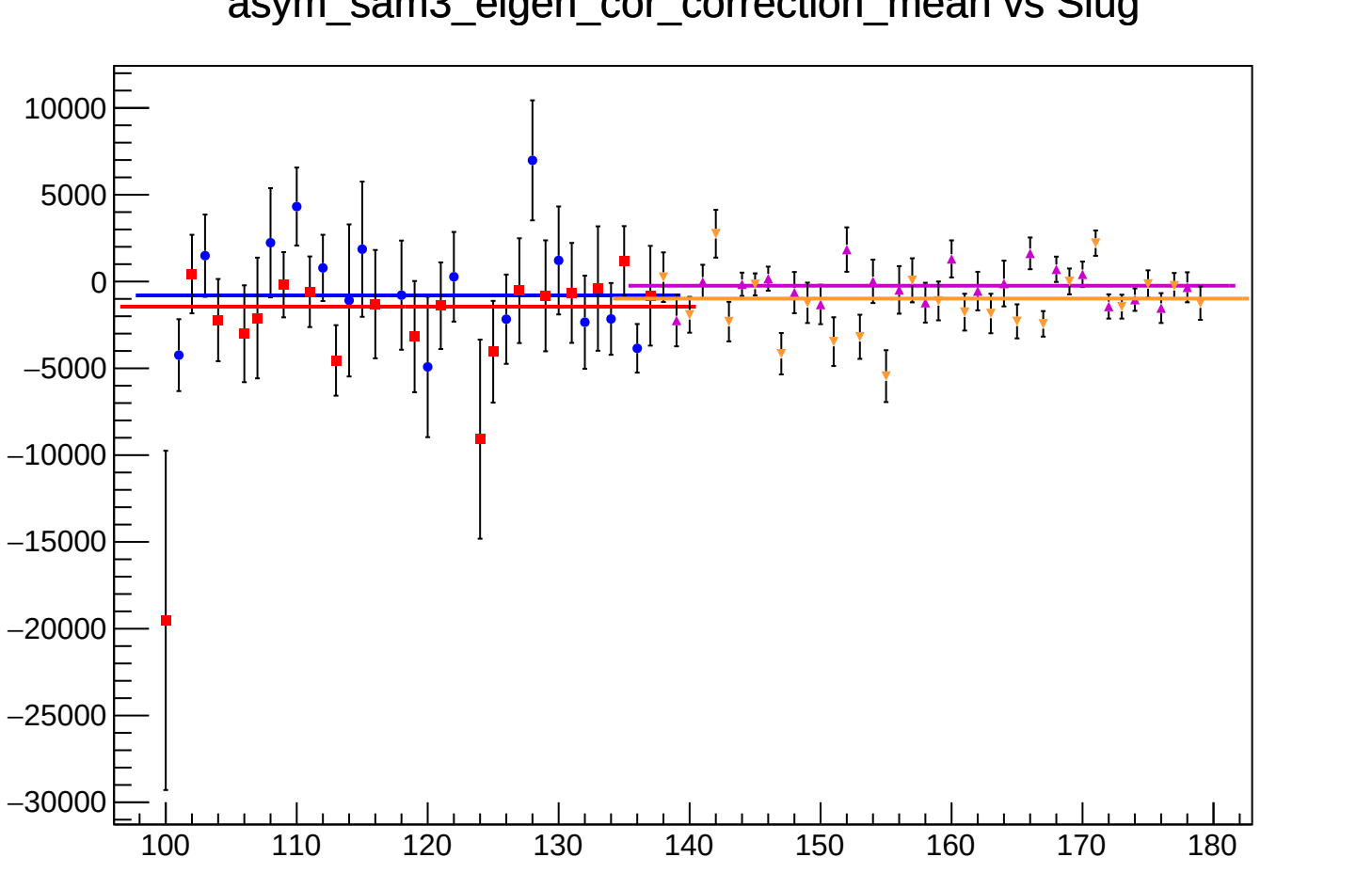
Right Out: 118.006+/-0.032 χ^2/NDF: 986553.8/18

Left In: 87.409+/-0.016 χ^2/NDF:1011287.1/19

+ sign 93.013+/-0.014 χ^2/NDF: 2674989.7/37

All: 93.110+/-0.010 χ^2/NDF: 5395324.0/76

- sign 93.213+/-0.014 χ^2/NDF: 2720230.7/38



Right In: -799.116+/-616.014 χ^2/NDF: 23.4/15

Left Out: -981.065+/-202.046 χ^2/NDF:65.3/21

Right Out: -1448.433+/-614.443 χ^2/NDF: 12.5/18

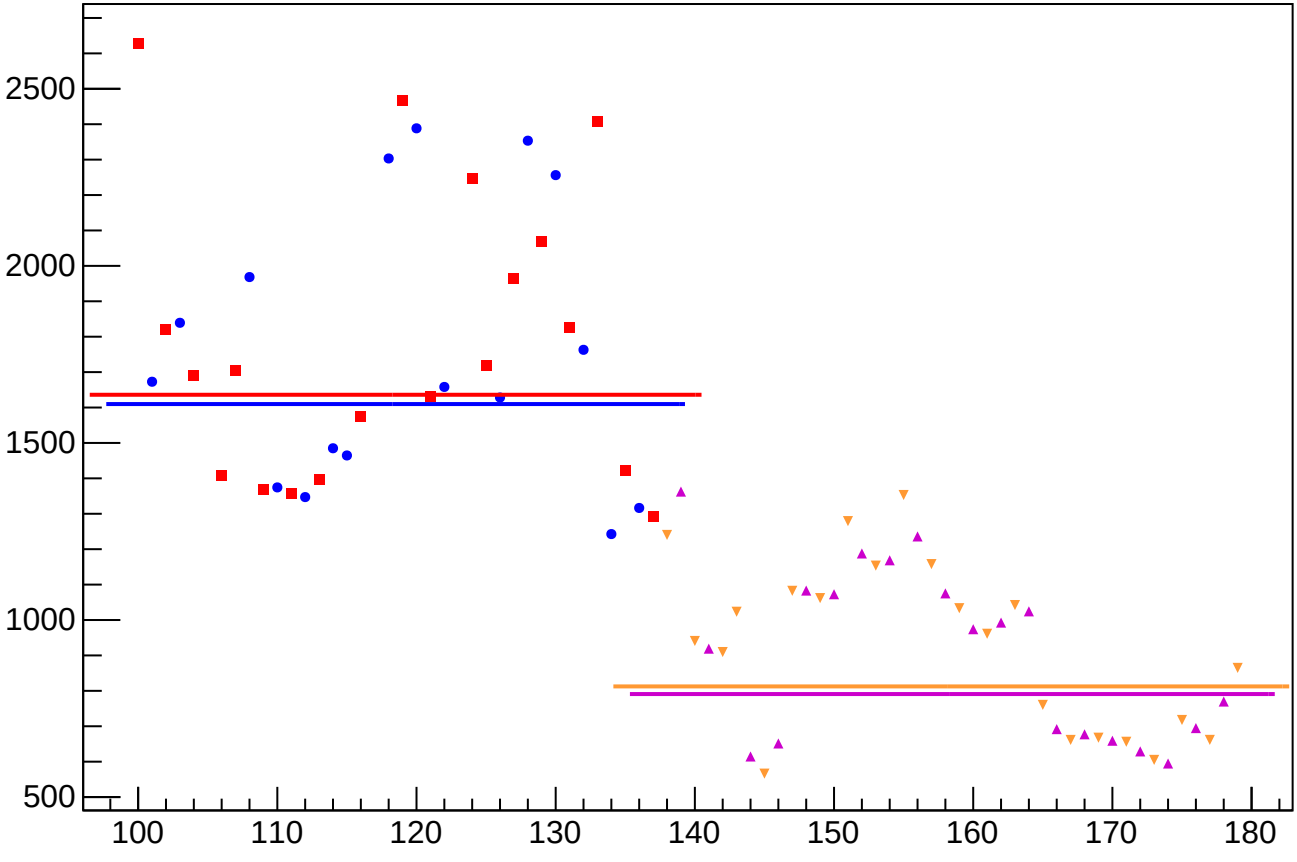
Left In: -241.779+/-203.547 χ^2/NDF:22.2/19

+ sign -963.392+/-191.983 χ^2/NDF: 88.8/37

All: -664.183+/-136.188 χ^2/NDF: 131.8/76

- sign -361.103+/-193.221 χ^2/NDF: 38.1/38

asym_sam3_eigen_cor_correction_rms vs Slug



Right In: 1609.791+/-0.436 χ^2/NDF: 619158.3/15

Left Out: 812.507+/-0.143 χ^2/NDF:2314840.9/21

Right Out: 1636.046+/-0.434 χ^2/NDF: 527809.9/18

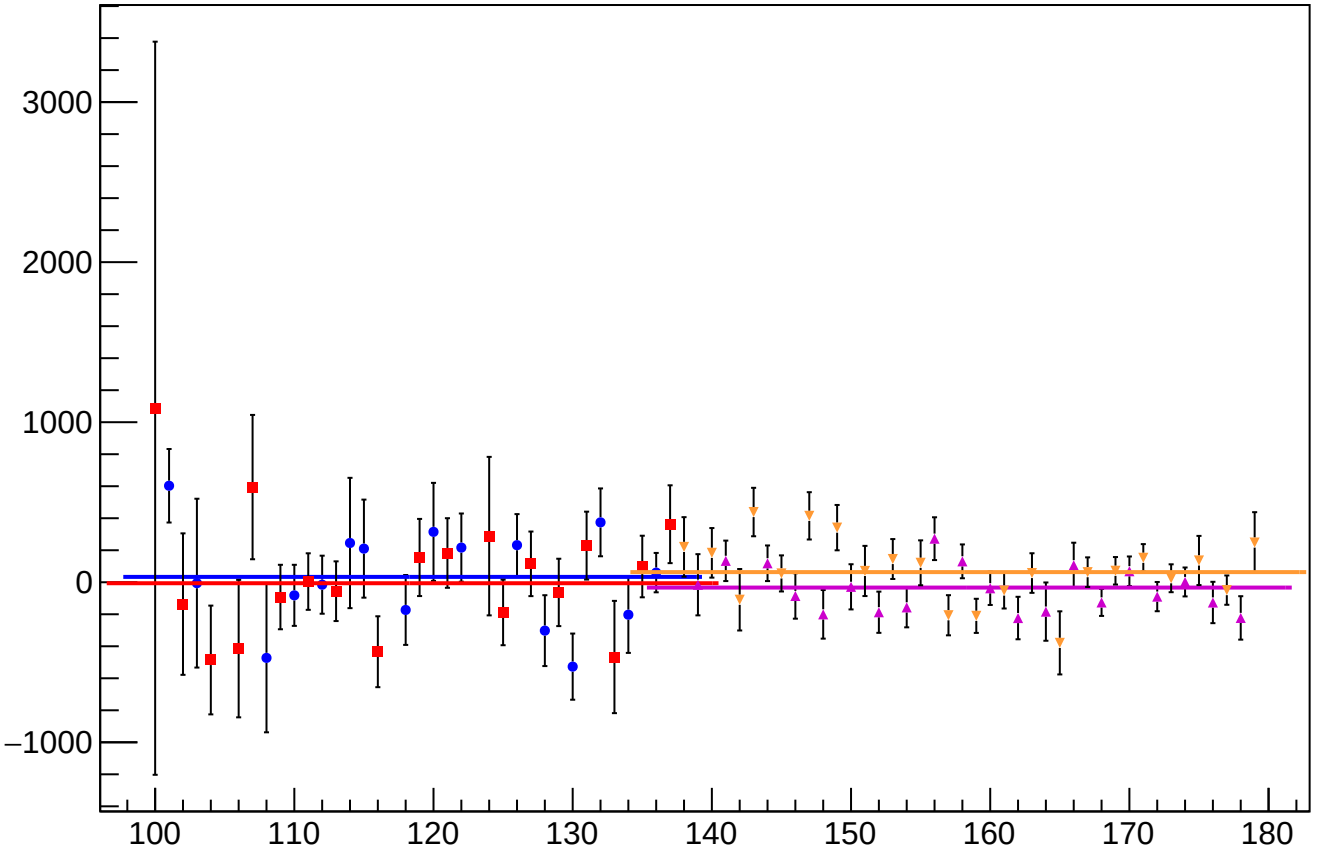
Left In: 790.938+/-0.144 χ^2/NDF:2144168.1/19

+ sign 889.946+/-0.136 χ^2/NDF: 5958829.7/37

All: 882.277+/-0.096 χ^2/NDF: 12046564.4/76

- sign 874.510+/-0.137 χ^2/NDF: 6081311.3/38

dit_asym_sam3_mean vs Slug



Right In: 33.471+/-54.908 χ^2/NDF: 25.2/15

Left Out: 63.396+/-25.793 χ^2/NDF:39.6/21

Right Out: -6.107+/-56.090 χ^2/NDF: 17.3/18

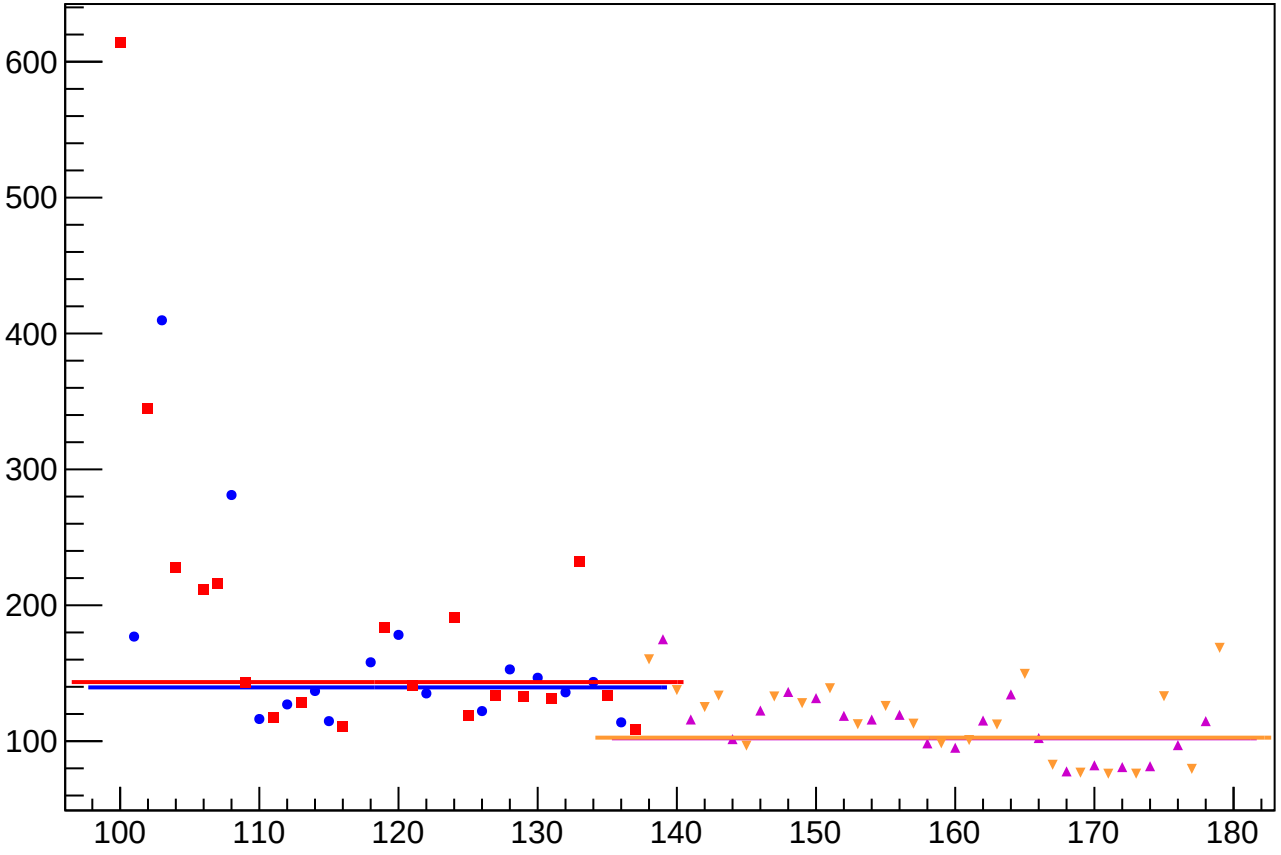
Left In: -33.261+/-26.462 χ^2/NDF:24.2/19

+ sign 57.986+/-23.346 χ^2/NDF: 65.0/37

All: 15.906+/-16.711 χ^2/NDF: 113.4/76

- sign -28.317+/-23.932 χ^2/NDF: 41.7/38

dit_asym_sam3_rms vs Slug



Right In: 139.566+/-0.039 χ^2/NDF: 976734.6/15

Left Out: 102.587+/-0.018 χ^2/NDF:1973982.3/21

Right Out: 143.479+/-0.040 χ^2/NDF: 1116671.9/18

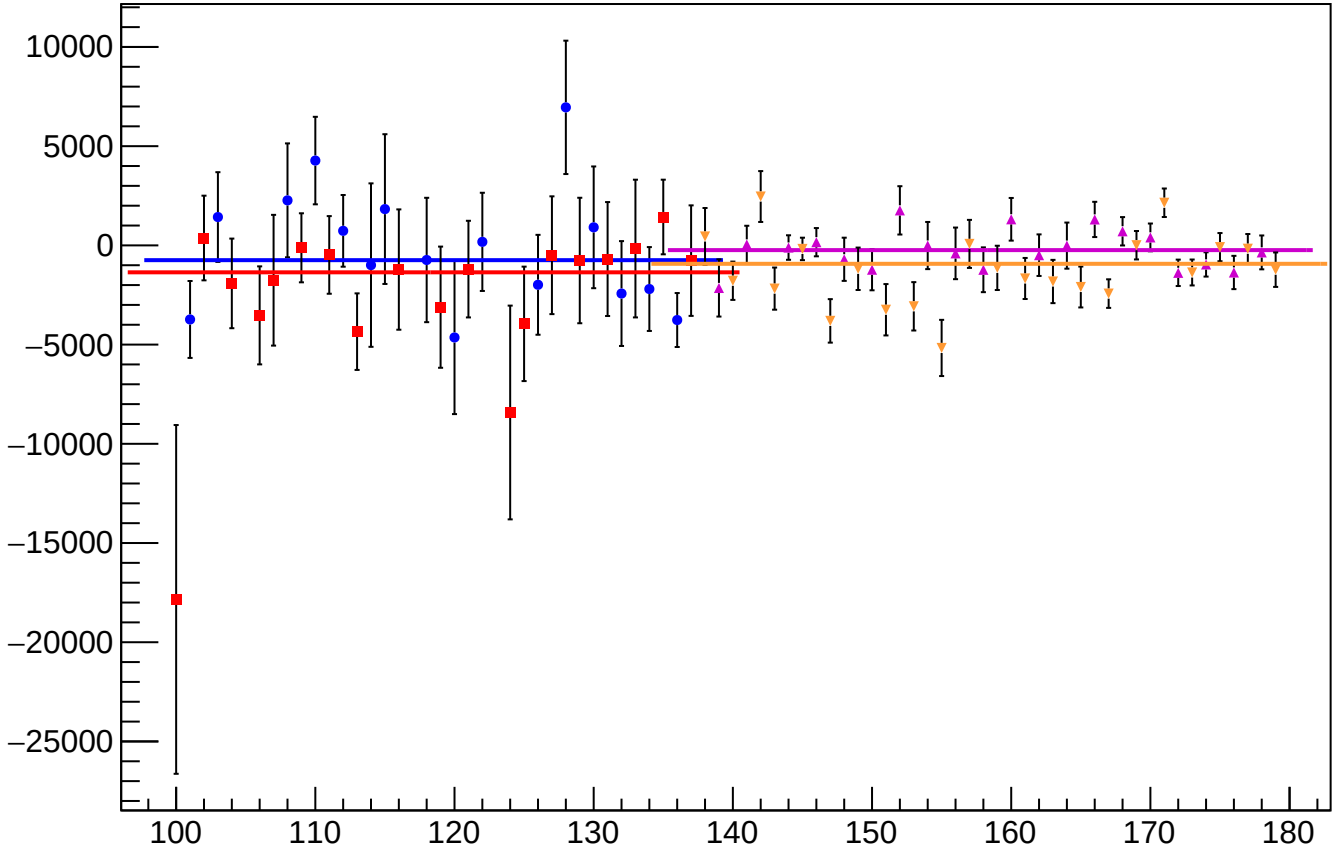
Left In: 102.093+/-0.019 χ^2/NDF:1220345.6/19

+ sign 109.272+/-0.017 χ^2/NDF: 3693879.6/37

All: 109.446+/-0.012 χ^2/NDF: 6921731.2/76

- sign 109.628+/-0.017 χ^2/NDF: 3227625.2/38

asym_sam3_dit_correction_mean vs Slug



Right In: -744.681+/-595.810 χ^2/NDF: 23.5/15

Left Out: -928.592+/-191.936 χ^2/NDF:64.6/21

Right Out: -1357.874+/-585.808 χ^2/NDF: 13.5/18

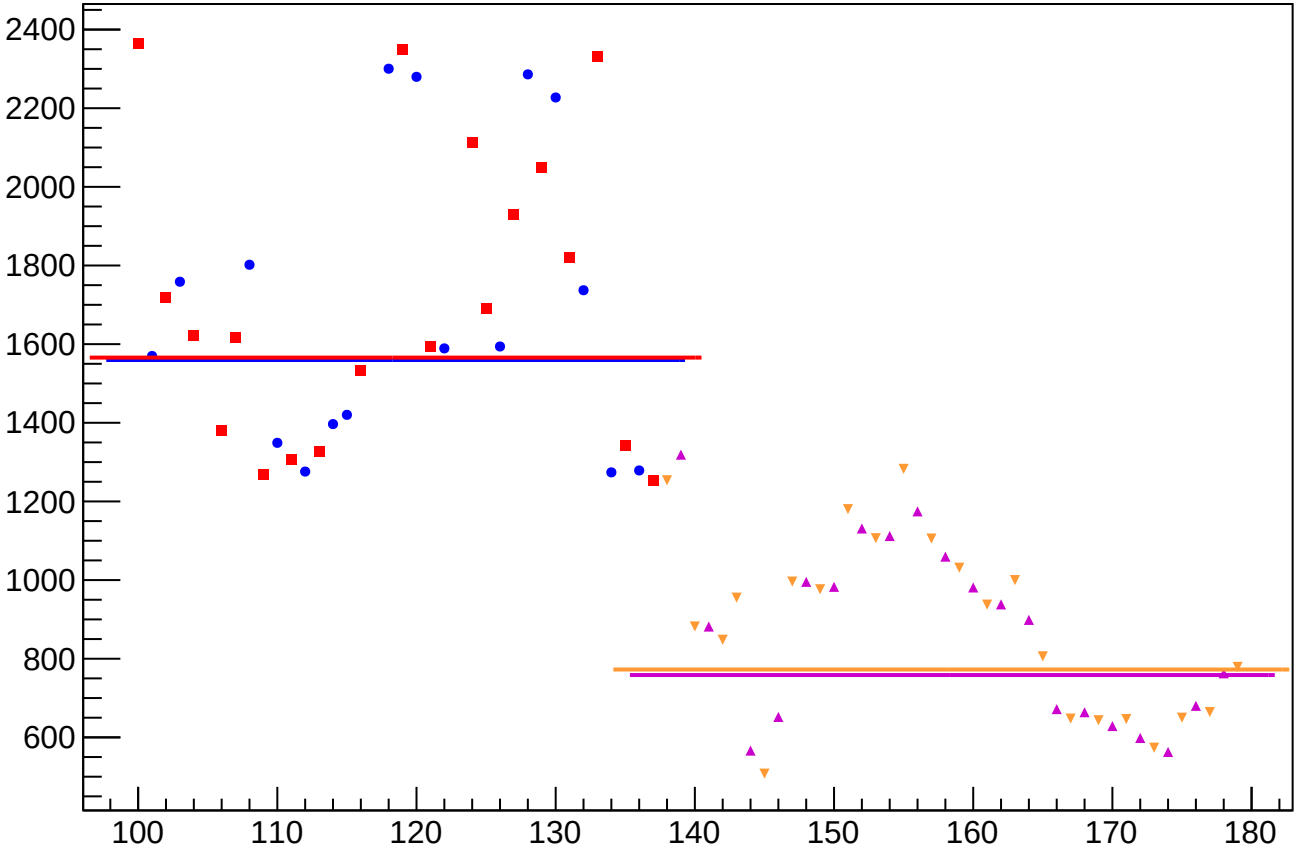
Left In: -238.368+/-195.224 χ^2/NDF:20.8/19

+ sign -911.301+/-182.690 χ^2/NDF: 88.2/37

All: -634.628+/-130.063 χ^2/NDF: 130.5/76

- sign -350.272+/-185.210 χ^2/NDF: 37.6/38

asym_sam3_dit_correction_rms vs Slug



Right In: 1559.735+/-0.421 χ^2/NDF: 604209.5/15

Left Out: 772.541+/-0.136 χ^2/NDF:2391950.6/21

Right Out: 1565.808+/-0.414 χ^2/NDF: 563847.8/18

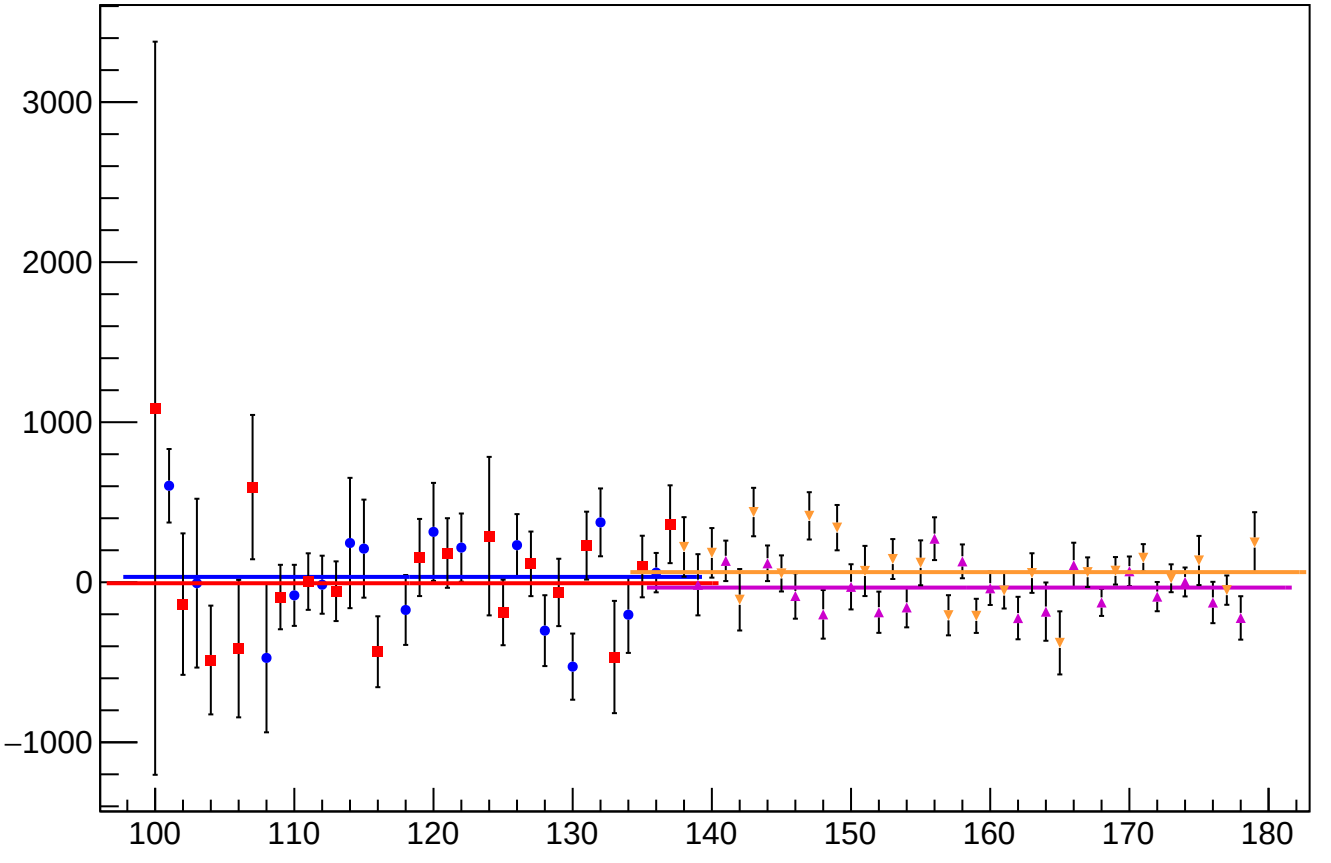
Left In: 758.504+/-0.138 χ^2/NDF:2108309.6/19

+ sign 846.552+/-0.129 χ^2/NDF: 6159147.0/37

All: 842.927+/-0.092 χ^2/NDF: 12251561.2/76

- sign 839.201+/-0.131 χ^2/NDF: 6090817.0/38

eigen_dit_asym_sam3_mean vs Slug



Right In: 33.469+/-54.908 χ^2/NDF: 25.2/15

Left Out: 63.397+/-25.793 χ^2/NDF:39.6/21

Right Out: -6.103+/-56.090 χ^2/NDF: 17.3/18

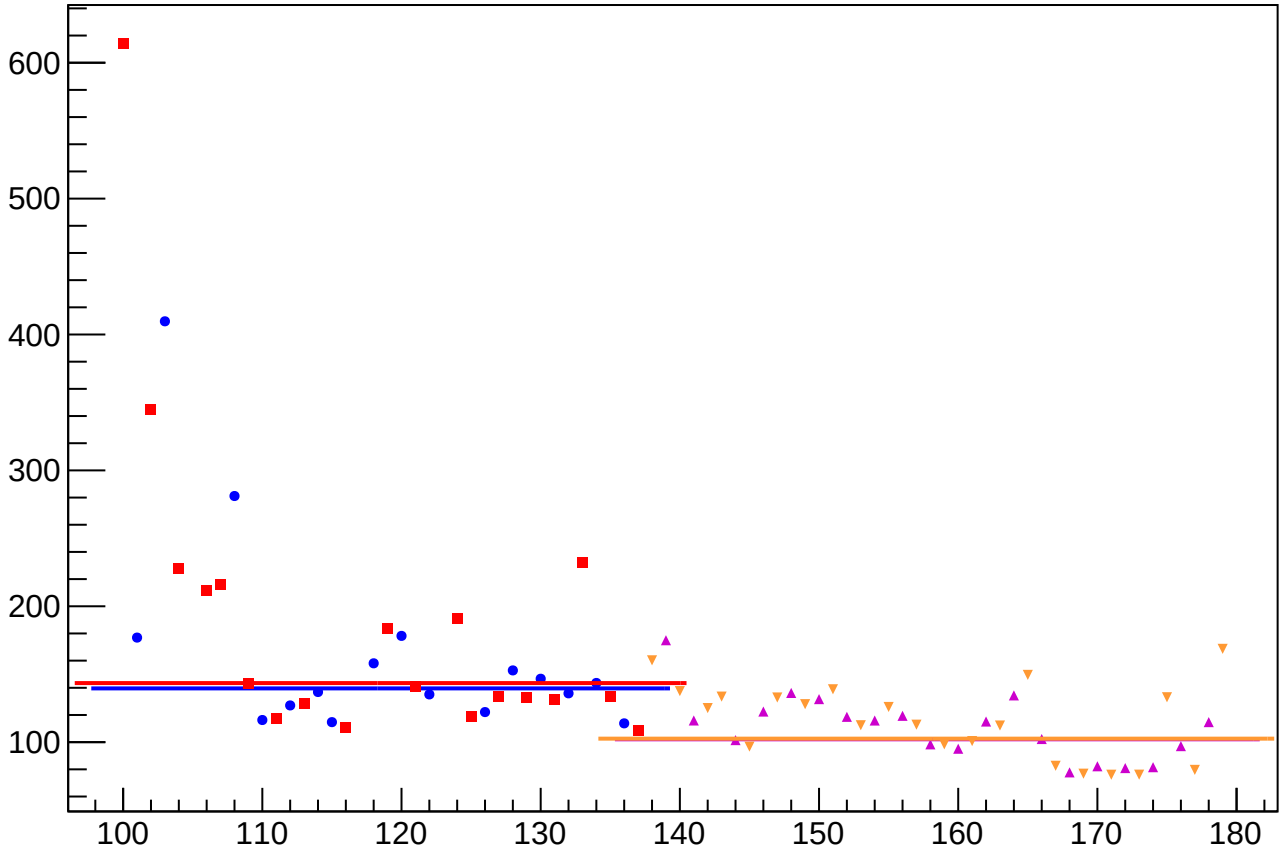
Left In: -33.260+/-26.462 χ^2/NDF:24.2/19

+ sign 57.987+/-23.346 χ^2/NDF: 65.0/37

All: 15.907+/-16.712 χ^2/NDF: 113.4/76

- sign -28.316+/-23.933 χ^2/NDF: 41.7/38

eigen_dit_asym_sam3_rms vs Slug



Right In: 139.567+/-0.039 χ^2/NDF: 976737.0/15

Left Out: 102.587+/-0.018 χ^2/NDF:1974006.1/21

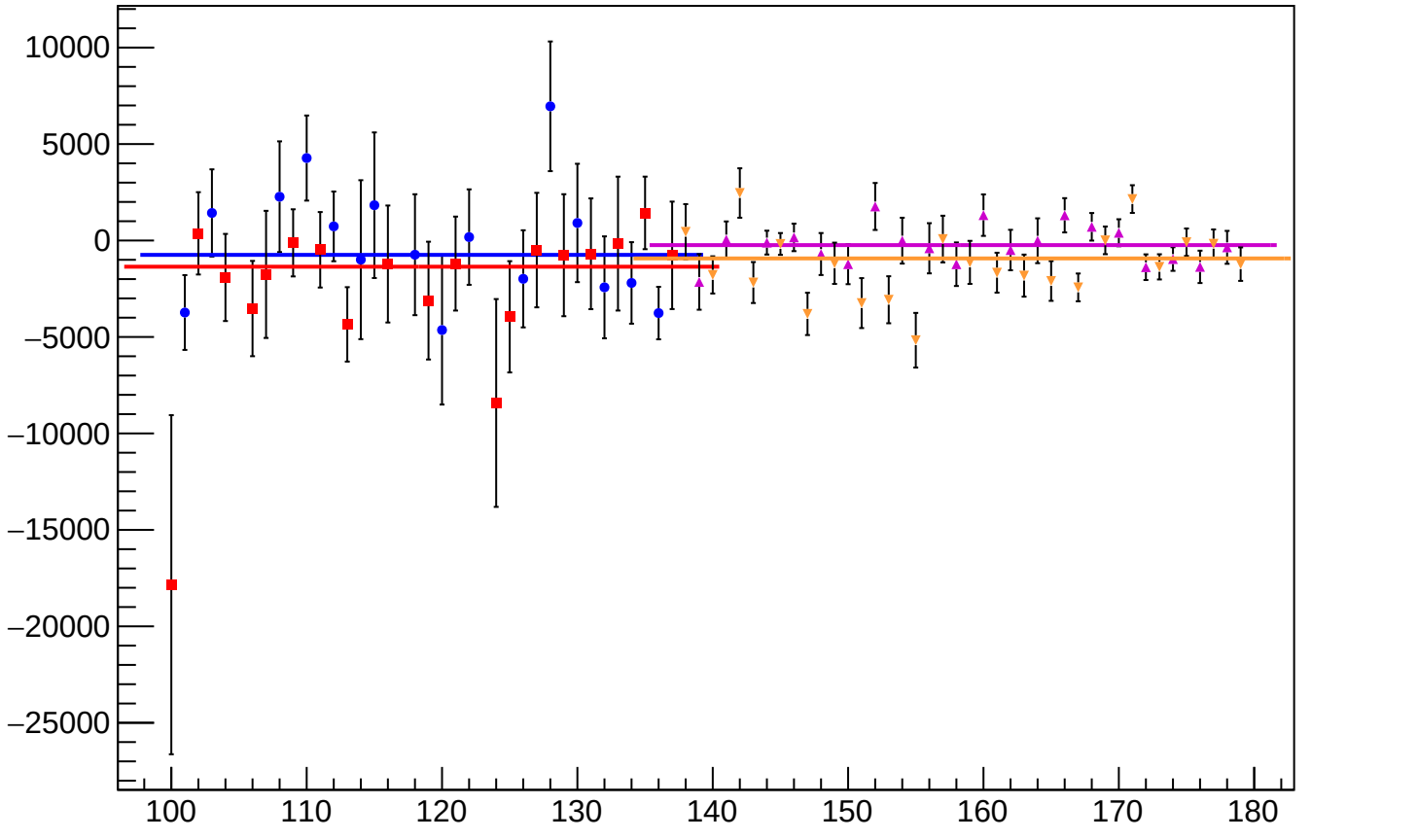
Right Out: 143.480+/-0.040 χ^2/NDF: 1116678.4/18

Left In: 102.094+/-0.019 χ^2/NDF:1220359.7/19

+ sign 109.273+/-0.017 χ^2/NDF: 3693900.3/37

All: 109.446+/-0.012 χ^2/NDF: 6921774.1/76

- sign 109.628+/-0.017 χ^2/NDF: 3227647.3/38



Right In: -744.678+/-595.809 χ^2/NDF: 23.5/15

Left Out: -928.592+/-191.935 χ^2/NDF:64.6/21

Right Out: -1357.874+/-585.807 χ^2/NDF: 13.5/18

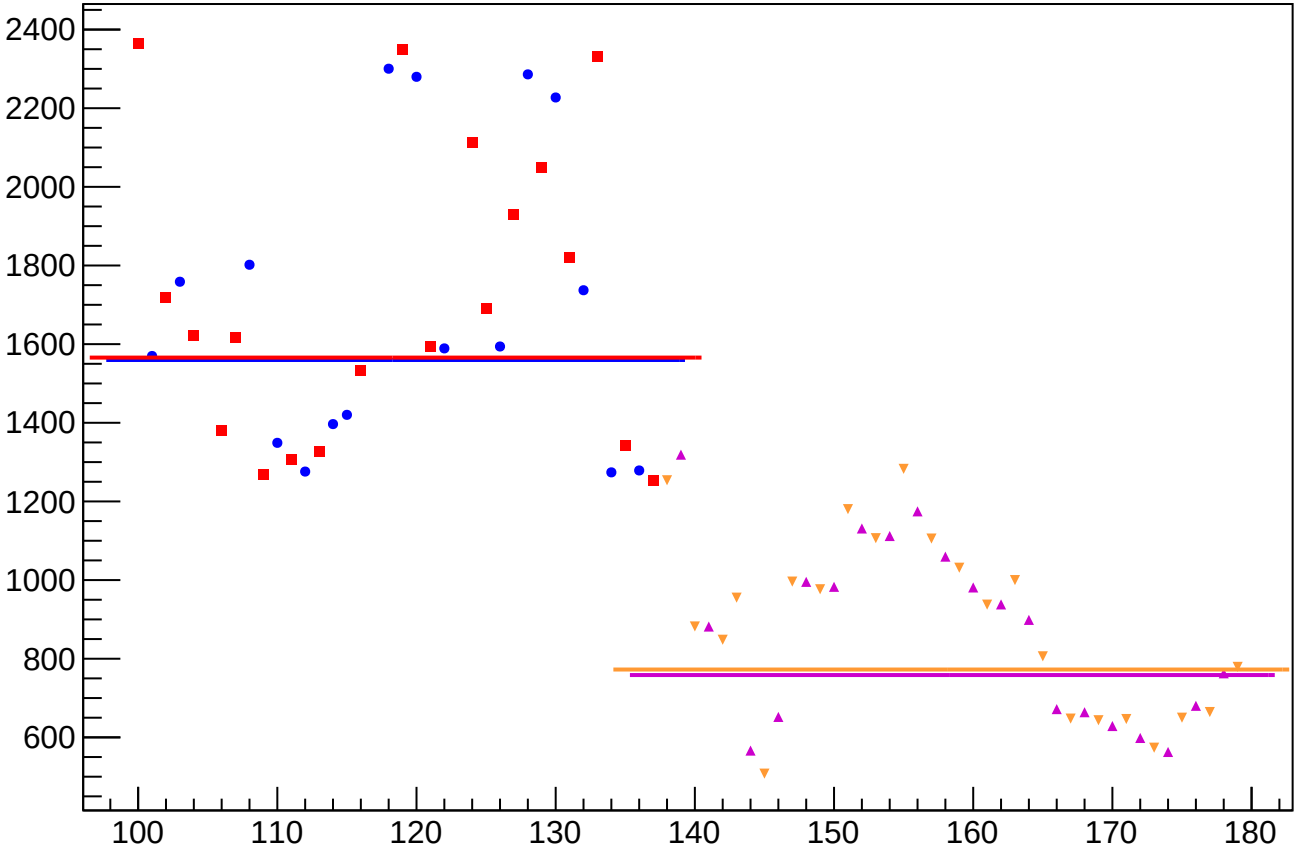
Left In: -238.367+/-195.223 χ^2/NDF:20.8/19

\+ sign -911.301+/-182.690 χ^2/NDF: 88.2/37

All: -634.628+/-130.063 χ^2/NDF: 130.5/76

\- sign -350.271+/-185.210 χ^2/NDF: 37.6/38

asym_sam3_eigen_dit_correction_rms vs Slug



Right In: 1559.734+/-0.421 χ^2/NDF: 604209.8/15

Left Out: 772.541+/-0.136 χ^2/NDF:2391944.9/21

Right Out: 1565.806+/-0.414 χ^2/NDF: 563845.7/18

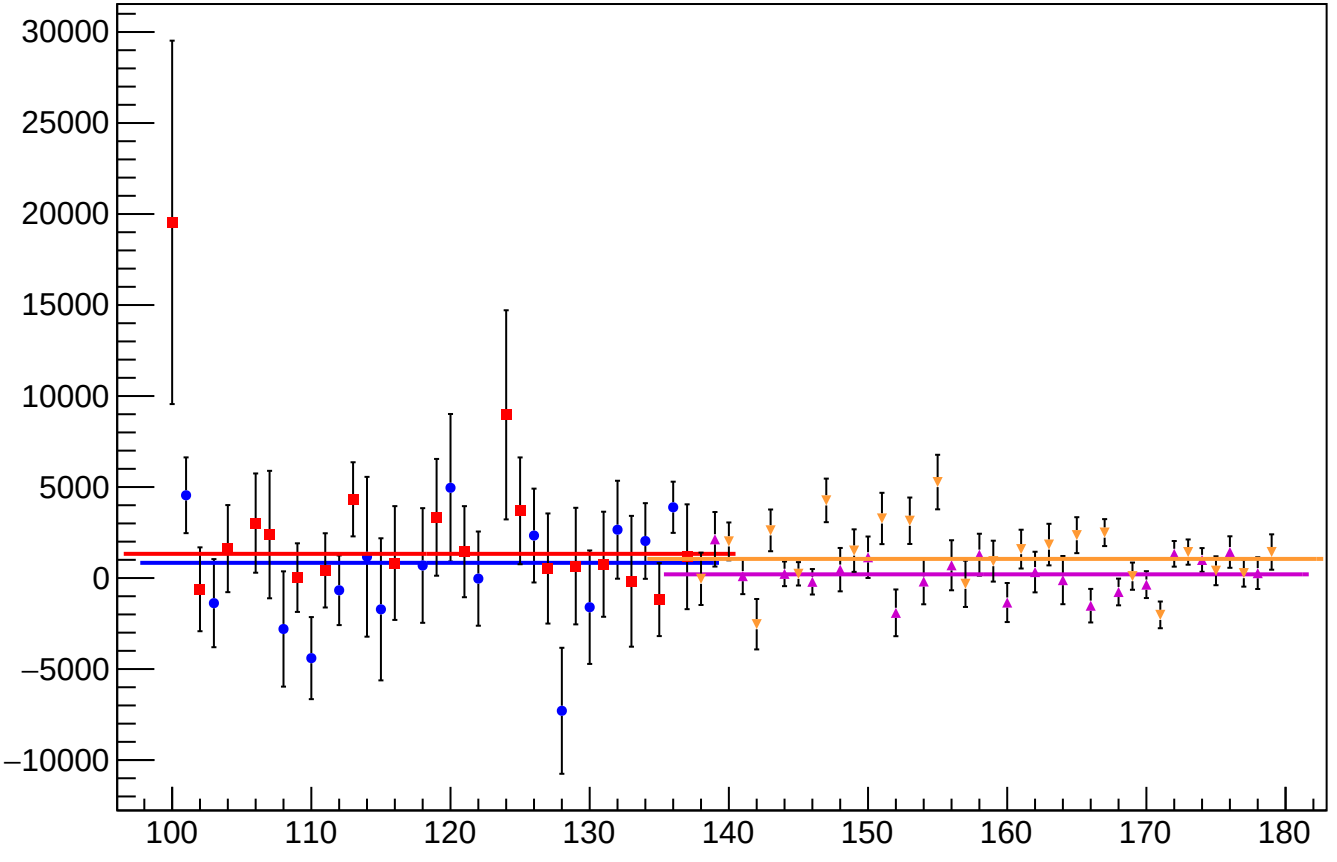
Left In: 758.504+/-0.138 χ^2/NDF:2108304.7/19

+ sign 846.552+/-0.129 χ^2/NDF: 6159140.9/37

All: 842.926+/-0.092 χ^2/NDF: 12251545.2/76

- sign 839.200+/-0.131 χ^2/NDF: 6090807.1/38

asym_sam3_mean vs Slug



Right In: 835.496+/-618.780 χ^2/NDF: 24.9/15

Left Out: 1051.459+/-203.321 χ^2/NDF:61.0/21

Right Out: 1329.538+/-616.428 χ^2/NDF: 12.1/18

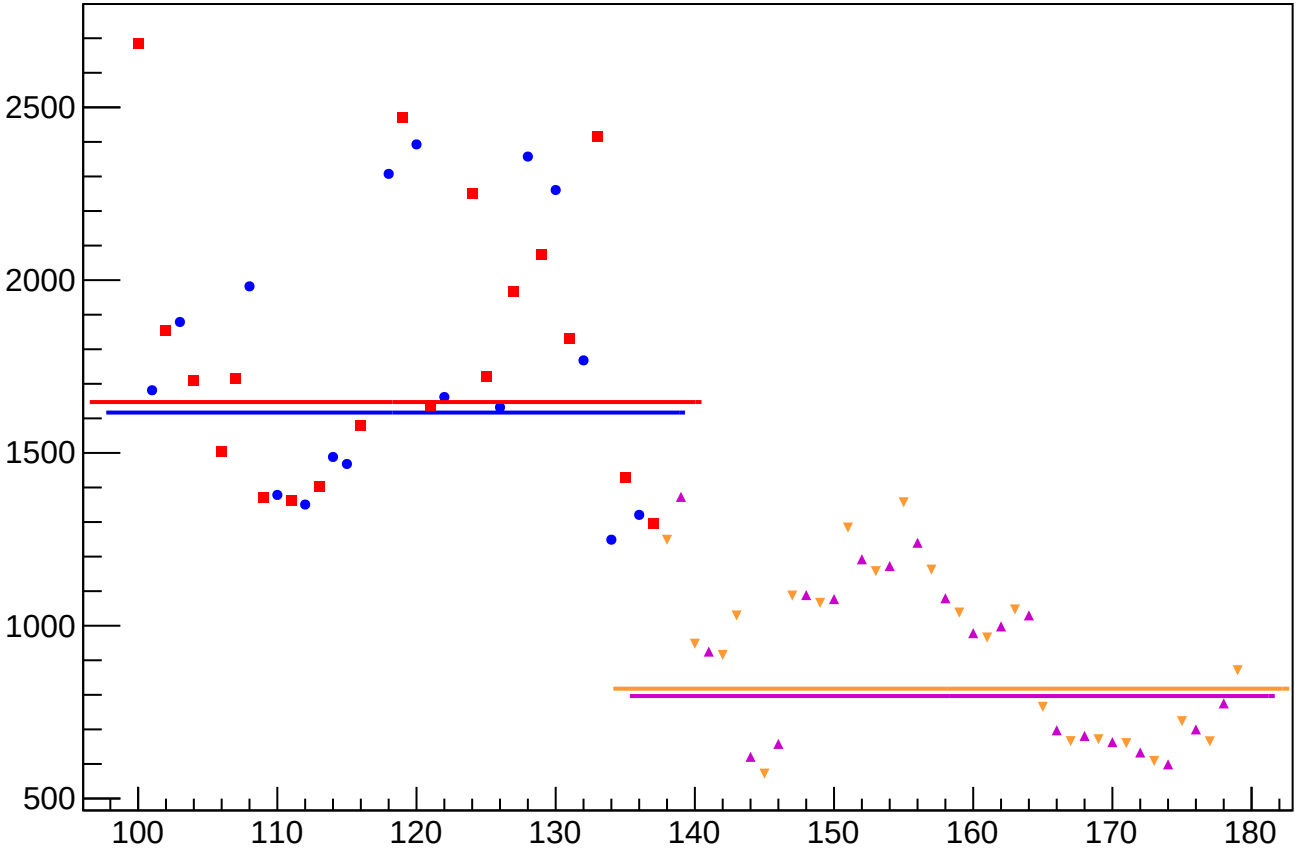
Left In: 203.635+/-204.911 χ^2/NDF:20.6/19

\+ sign 1030.415+/-193.160 χ^2/NDF: 86.0/37

All: 675.419+/-137.038 χ^2/NDF: 128.5/76

\- sign 315.669+/-194.449 χ^2/NDF: 35.7/38

asym_sam3_rms vs Slug



Right In: 1616.804+/-0.438 χ^2/NDF: 622271.0/15

Left Out: 817.857+/-0.144 χ^2/NDF:2294925.9/21

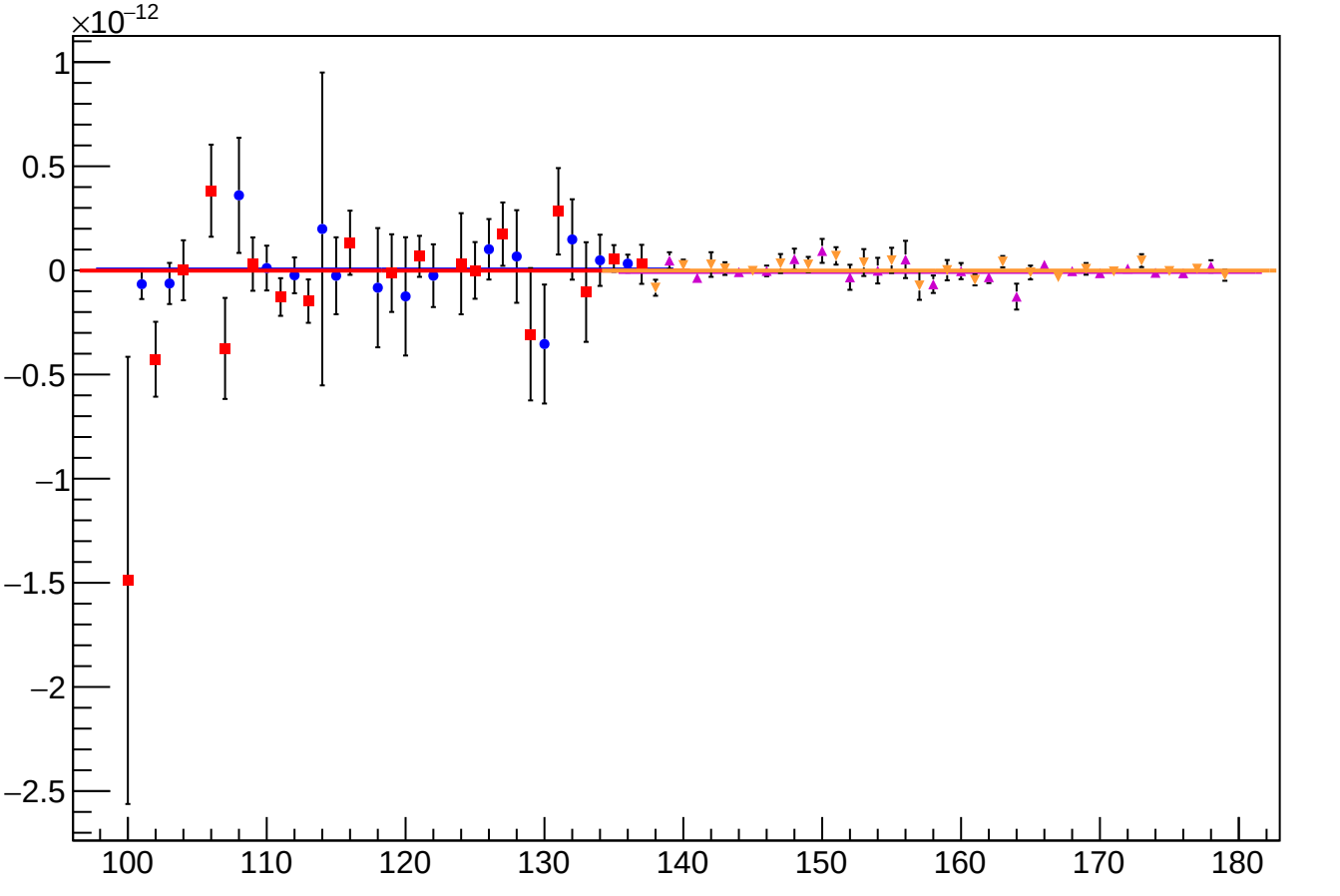
Right Out: 1647.227+/-0.436 χ^2/NDF: 523860.9/18

Left In: 796.502+/-0.145 χ^2/NDF:2123720.9/19

\+ sign 895.711+/-0.137 χ^2/NDF: 5926503.5/37

All: 888.481+/-0.097 χ^2/NDF: 12009967.8/76

\- sign 881.154+/-0.137 χ^2/NDF: 6077823.0/38



Right In: 0.000+/-0.000 χ^2/NDF: 6.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:23.5/21

Right Out: -0.000+/-0.000 χ^2/NDF: 23.4/18

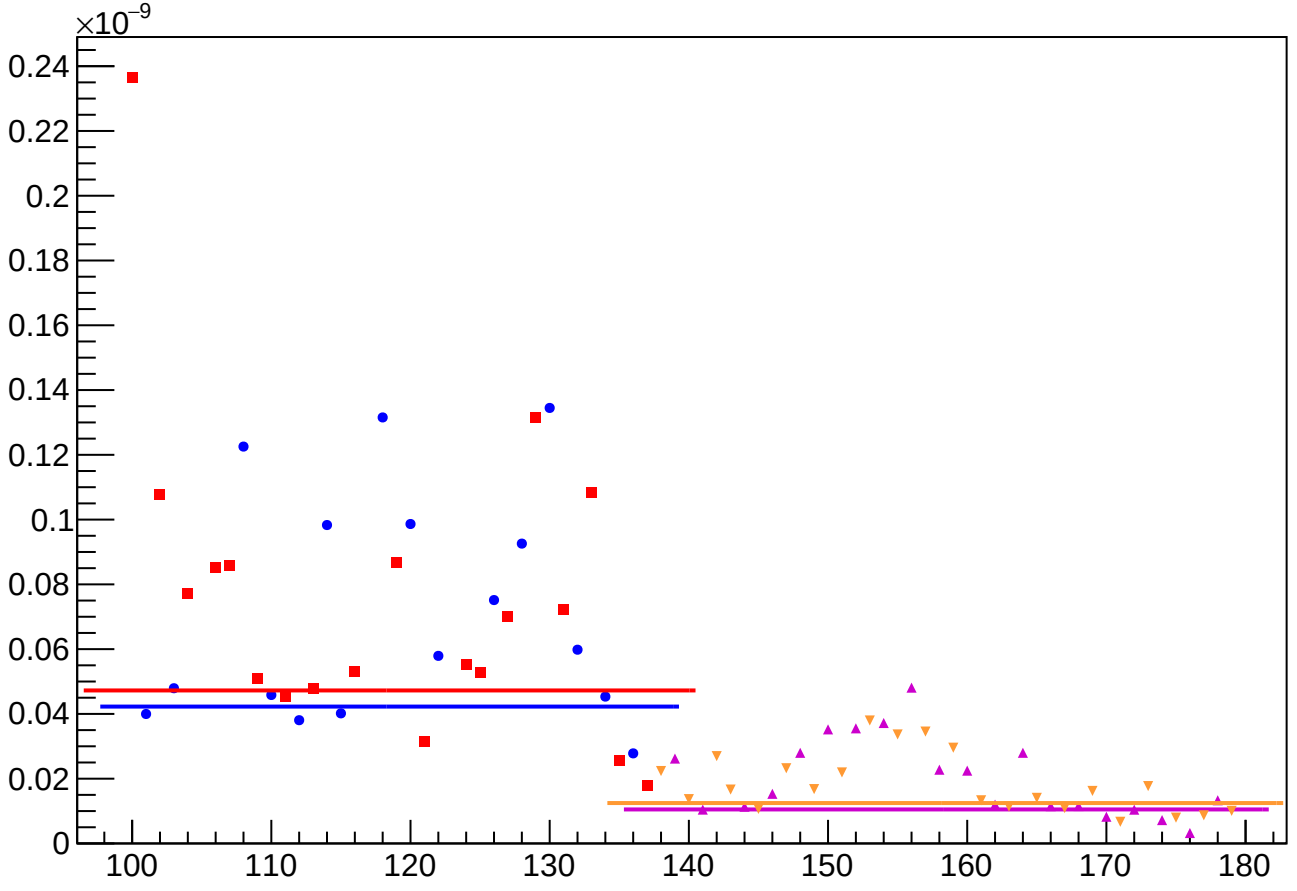
Left In: -0.000+/-0.000 χ^2/NDF:18.9/19

+ sign -0.000+/-0.000 χ^2/NDF: 30.4/37

All: -0.000+/-0.000 χ^2/NDF: 73.4/76

- sign -0.000+/-0.000 χ^2/NDF: 42.4/38

asym_sam3_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1147920.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:2210164.2/21

Right Out: 0.000+/-0.000 χ^2/NDF: 1410595.6/18

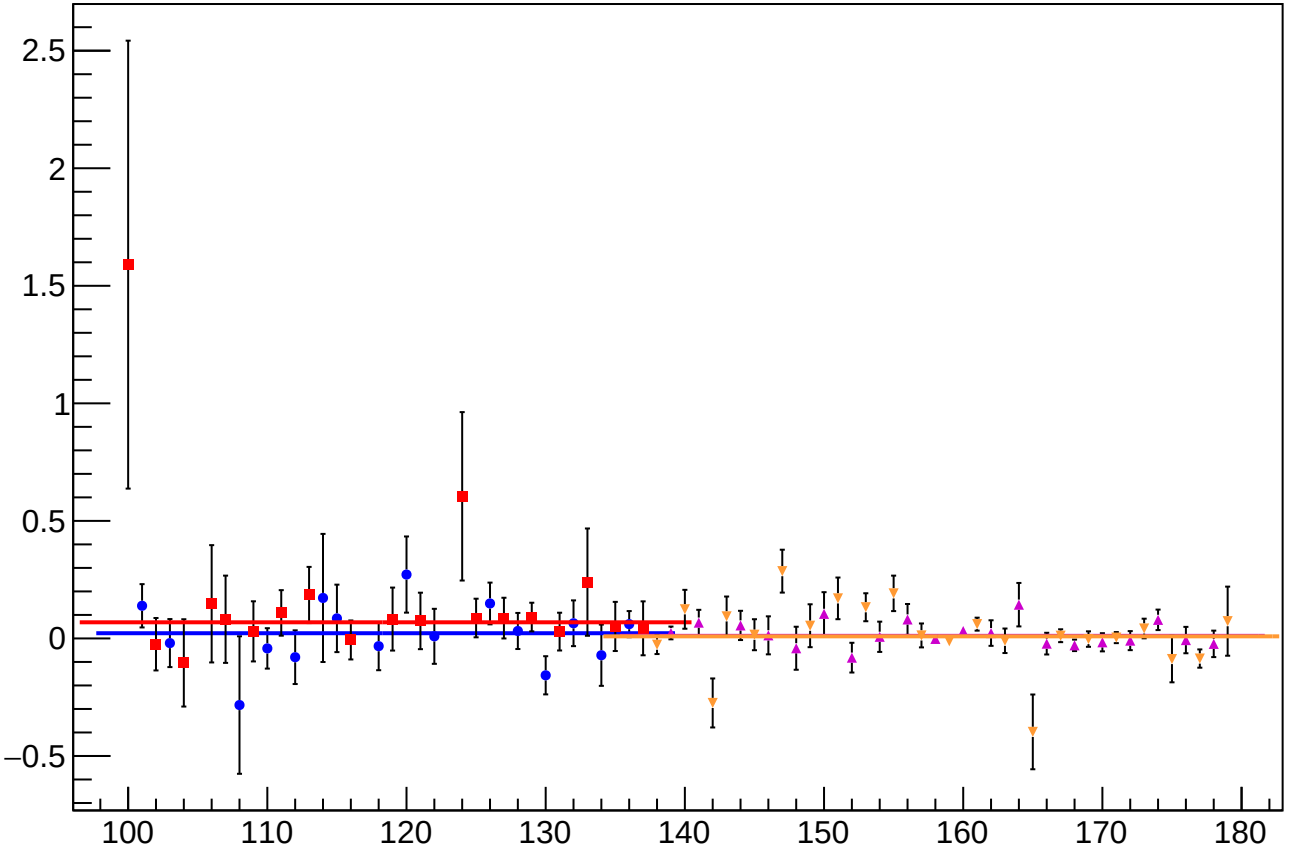
Left In: 0.000+/-0.000 χ^2/NDF:3607843.8/19

+ sign 0.000+/-0.000 χ^2/NDF: 5647854.3/37

All: 0.000+/-0.000 χ^2/NDF: 13665827.1/76

- sign 0.000+/-0.000 χ^2/NDF: 7869487.0/38

asym_sam3_dit_vs_cor_diff_mean vs Slug



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.009+/-0.009 χ^2/NDF:54.1/21

Right Out: 0.069+/-0.025 χ^2/NDF: 9.6/18

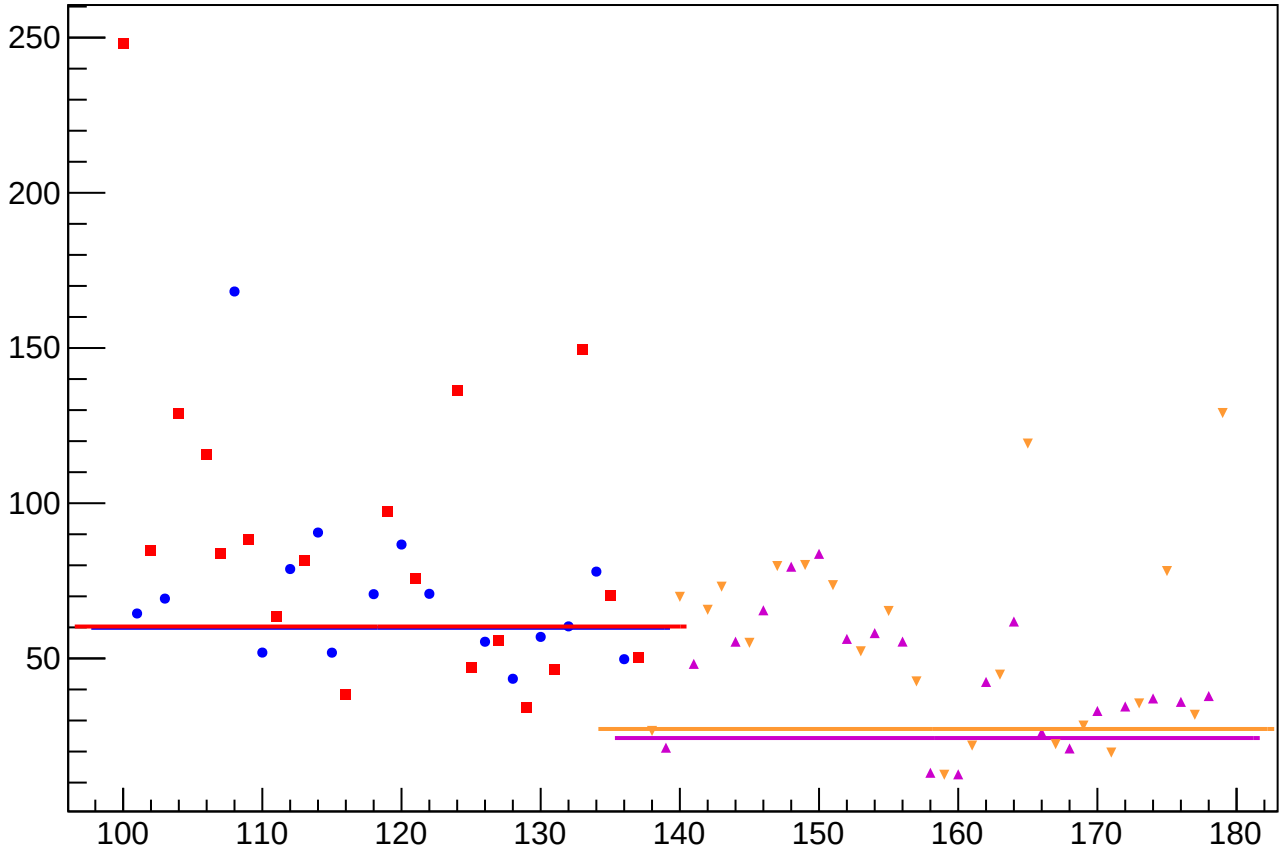
Left In: 0.011+/-0.008 χ^2/NDF:17.7/19

+ sign 0.010+/-0.008 χ^2/NDF: 69.8/37

All: 0.013+/-0.006 χ^2/NDF: 102.1/76

- sign 0.016+/-0.008 χ^2/NDF: 32.0/38

asym_sam3_dit_vs_cor_diff_rms vs Slug



Right In: 59.867+/-0.017 χ^2/NDF: 698954.5/15

Left Out: 27.274+/-0.006 χ^2/NDF:9328510.8/21

Right Out: 60.278+/-0.018 χ^2/NDF: 1977220.6/18

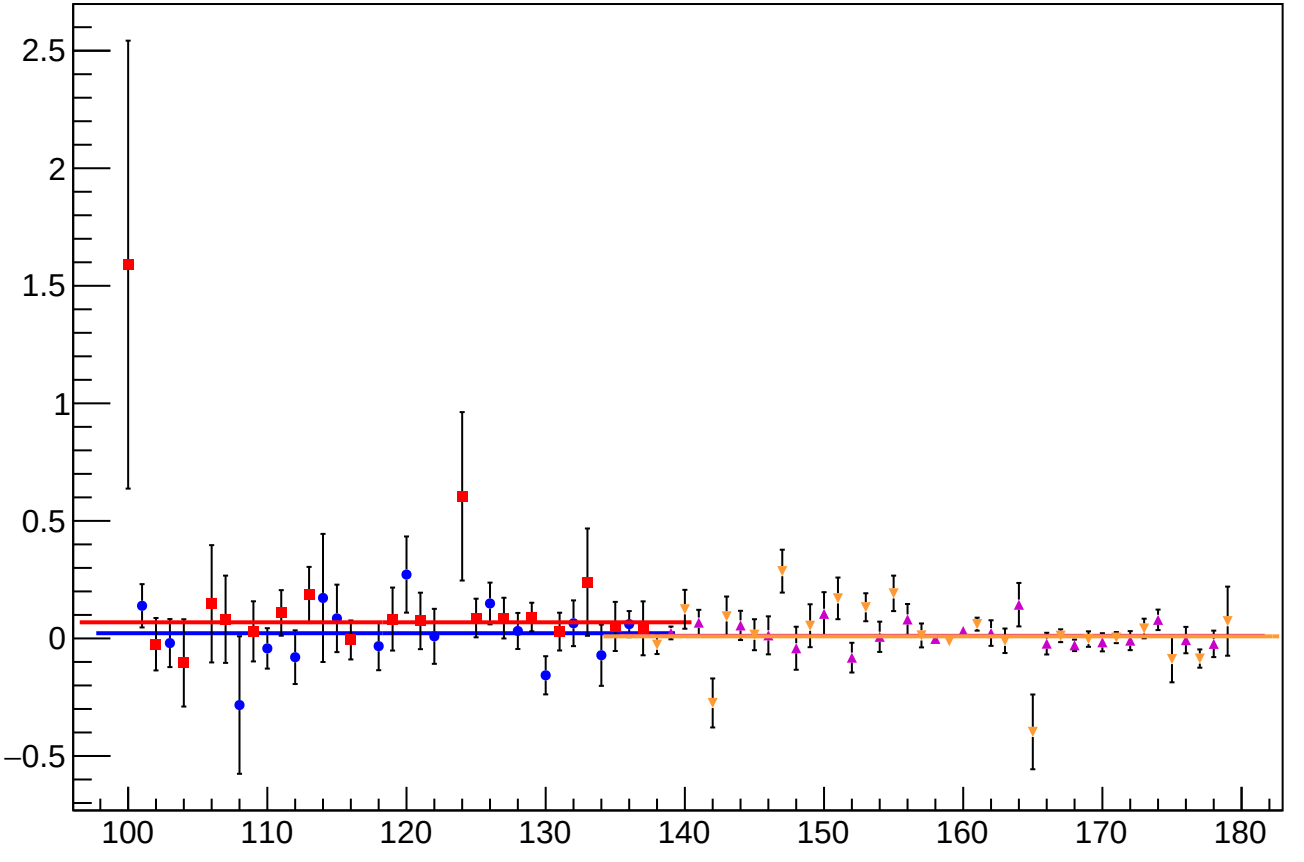
Left In: 24.352+/-0.006 χ^2/NDF:7693560.5/19

+ sign 30.739+/-0.006 χ^2/NDF: 13146152.3/37

All: 29.078+/-0.004 χ^2/NDF: 26653355.0/76

- sign 27.597+/-0.005 χ^2/NDF: 13345857.5/38

asym_sam3_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.009+/-0.009 χ^2/NDF:54.1/21

Right Out: 0.069+/-0.025 χ^2/NDF: 9.6/18

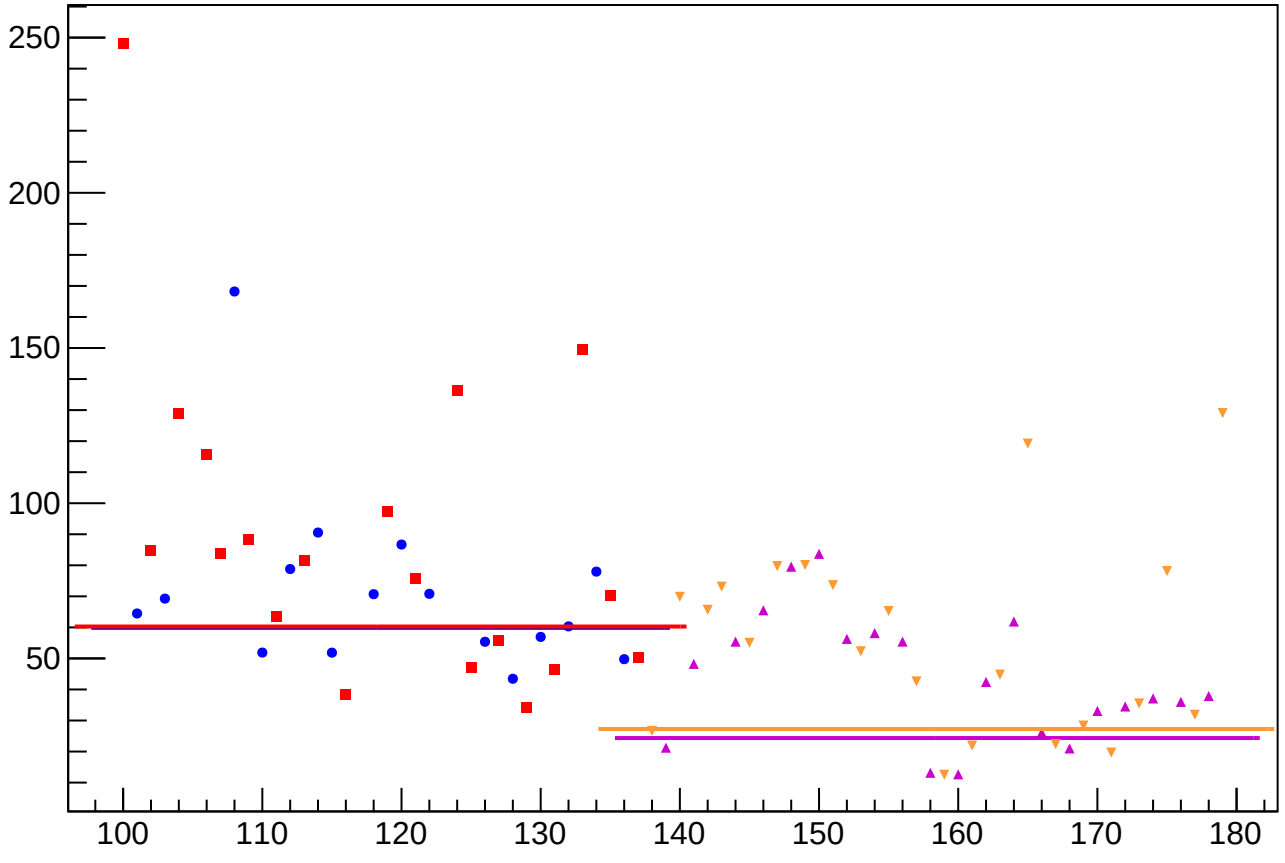
Left In: 0.011+/-0.008 χ^2/NDF:17.7/19

+ sign 0.010+/-0.008 χ^2/NDF: 69.8/37

All: 0.013+/-0.006 χ^2/NDF: 102.1/76

- sign 0.016+/-0.008 χ^2/NDF: 32.0/38

asym_sam3_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 59.867+/-0.017 χ^2/NDF: 698954.5/15

Left Out: 27.274+/-0.006 χ^2/NDF:9328510.8/21

Right Out: 60.278+/-0.018 χ^2/NDF: 1977220.6/18

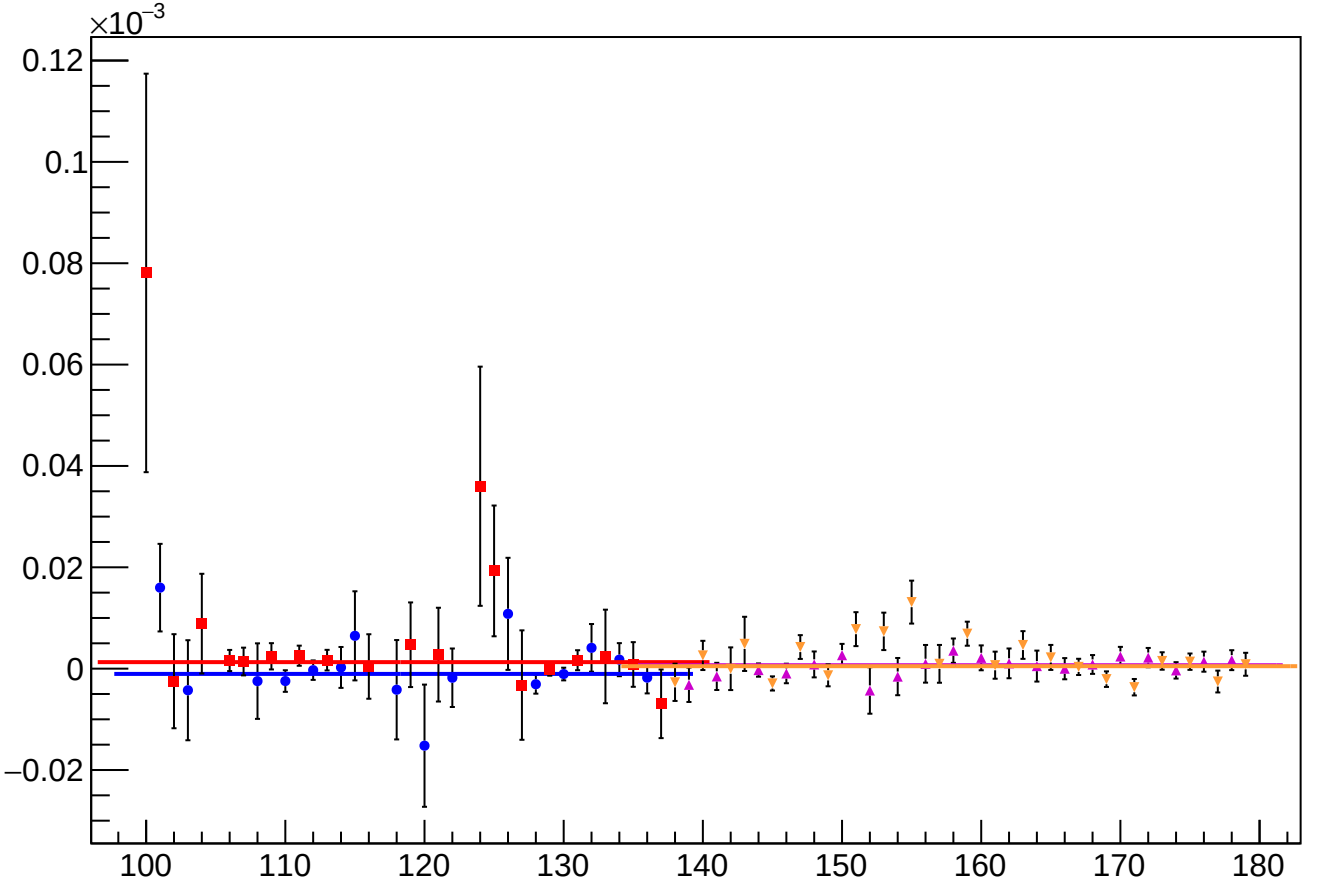
Left In: 24.352+/-0.006 χ^2/NDF:7693560.5/19

+ sign 30.739+/-0.006 χ^2/NDF: 13146152.3/37

All: 29.078+/-0.004 χ^2/NDF: 26653355.0/76

- sign 27.597+/-0.005 χ^2/NDF: 13345857.5/38

asym_sam3_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:50.5/21

Right Out: 0.000+/-0.000 χ^2/NDF: 12.5/18

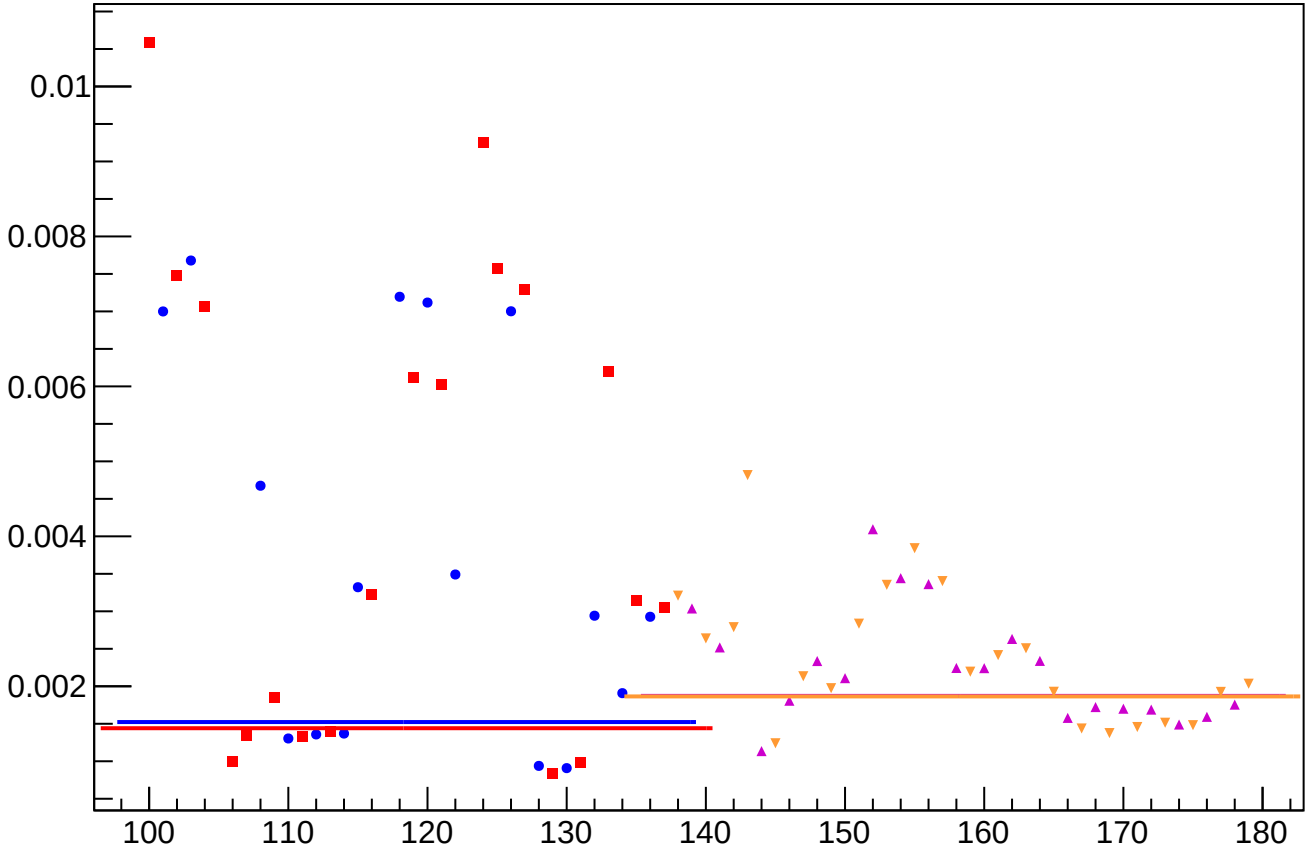
Left In: 0.000+/-0.000 χ^2/NDF:9.7/19

+ sign 0.000+/-0.000 χ^2/NDF: 64.8/37

All: 0.000+/-0.000 χ^2/NDF: 89.6/76

- sign 0.000+/-0.000 χ^2/NDF: 22.7/38

asym_sam3_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 5182869.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:3732571.6/21

Right Out: 0.001+/-0.000 χ^2/NDF: 5789411.1/18

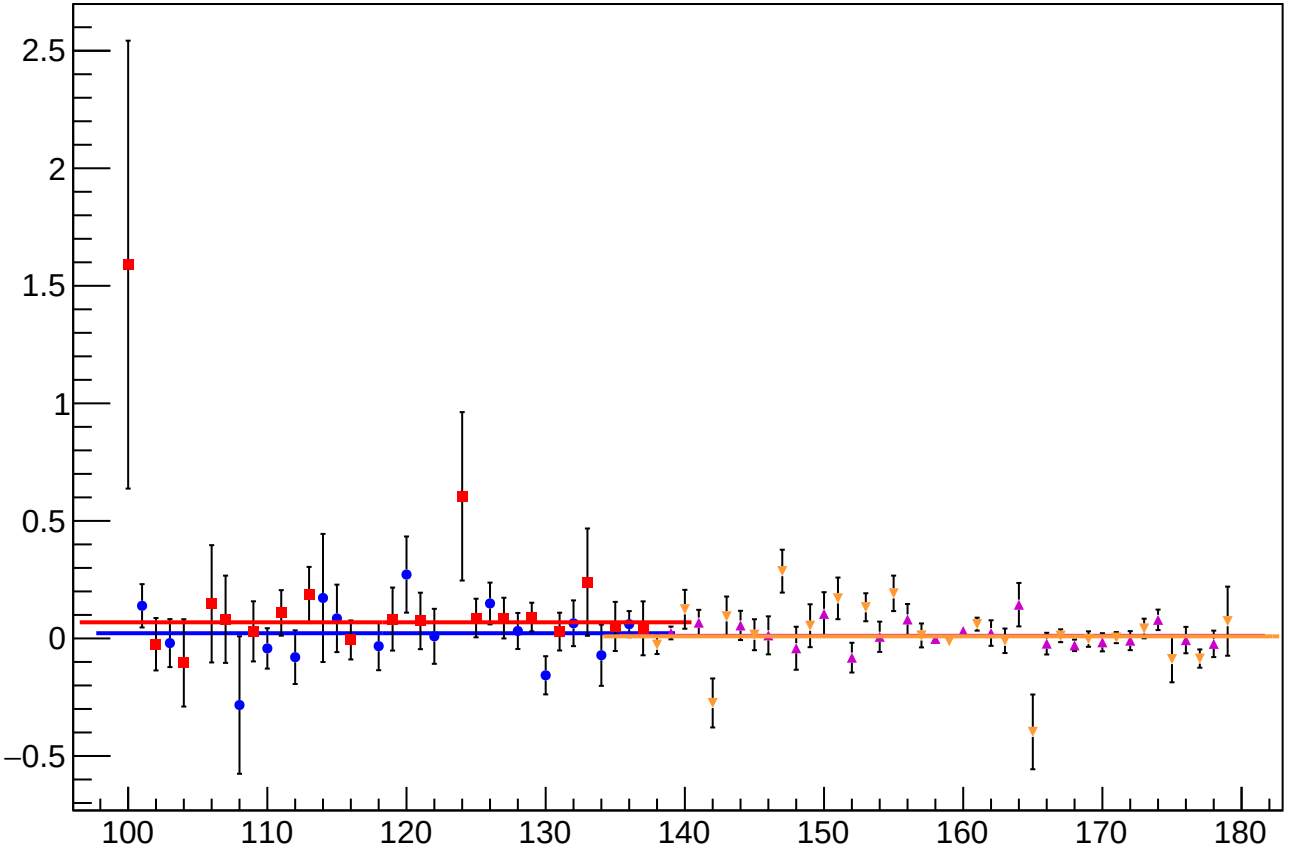
Left In: 0.002+/-0.000 χ^2/NDF:2756090.1/19

+ sign 0.002+/-0.000 χ^2/NDF: 9218128.5/37

All: 0.002+/-0.000 χ^2/NDF: 18281552.5/76

- sign 0.002+/-0.000 χ^2/NDF: 9055857.0/38

asym_sam3_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.009+/-0.009 χ^2/NDF:54.1/21

Right Out: 0.069+/-0.025 χ^2/NDF: 9.6/18

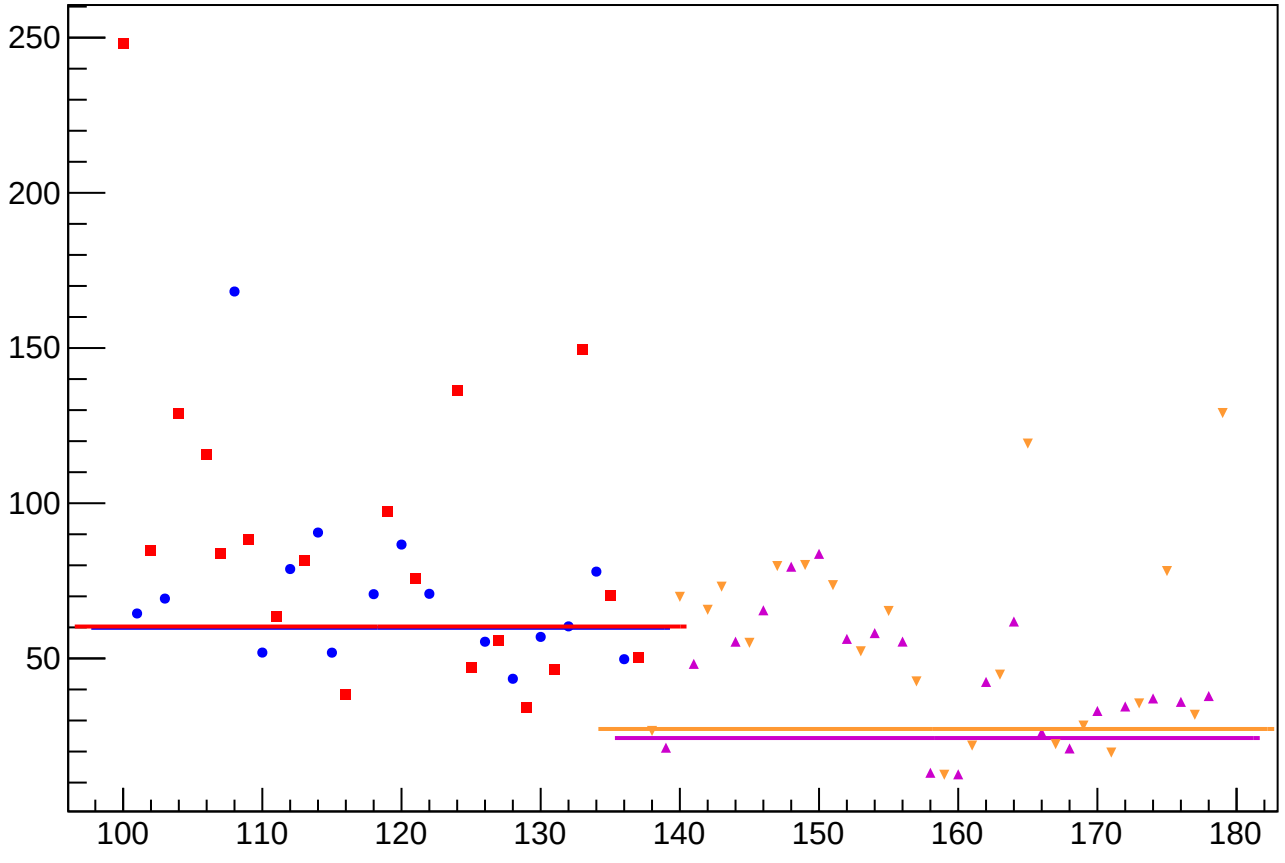
Left In: 0.011+/-0.008 χ^2/NDF:17.7/19

+ sign 0.010+/-0.008 χ^2/NDF: 69.8/37

All: 0.013+/-0.006 χ^2/NDF: 102.1/76

- sign 0.016+/-0.008 χ^2/NDF: 32.0/38

asym_sam3_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 59.868+/-0.017 χ^2/NDF: 699008.9/15

Left Out: 27.273+/-0.006 χ^2/NDF:9329509.2/21

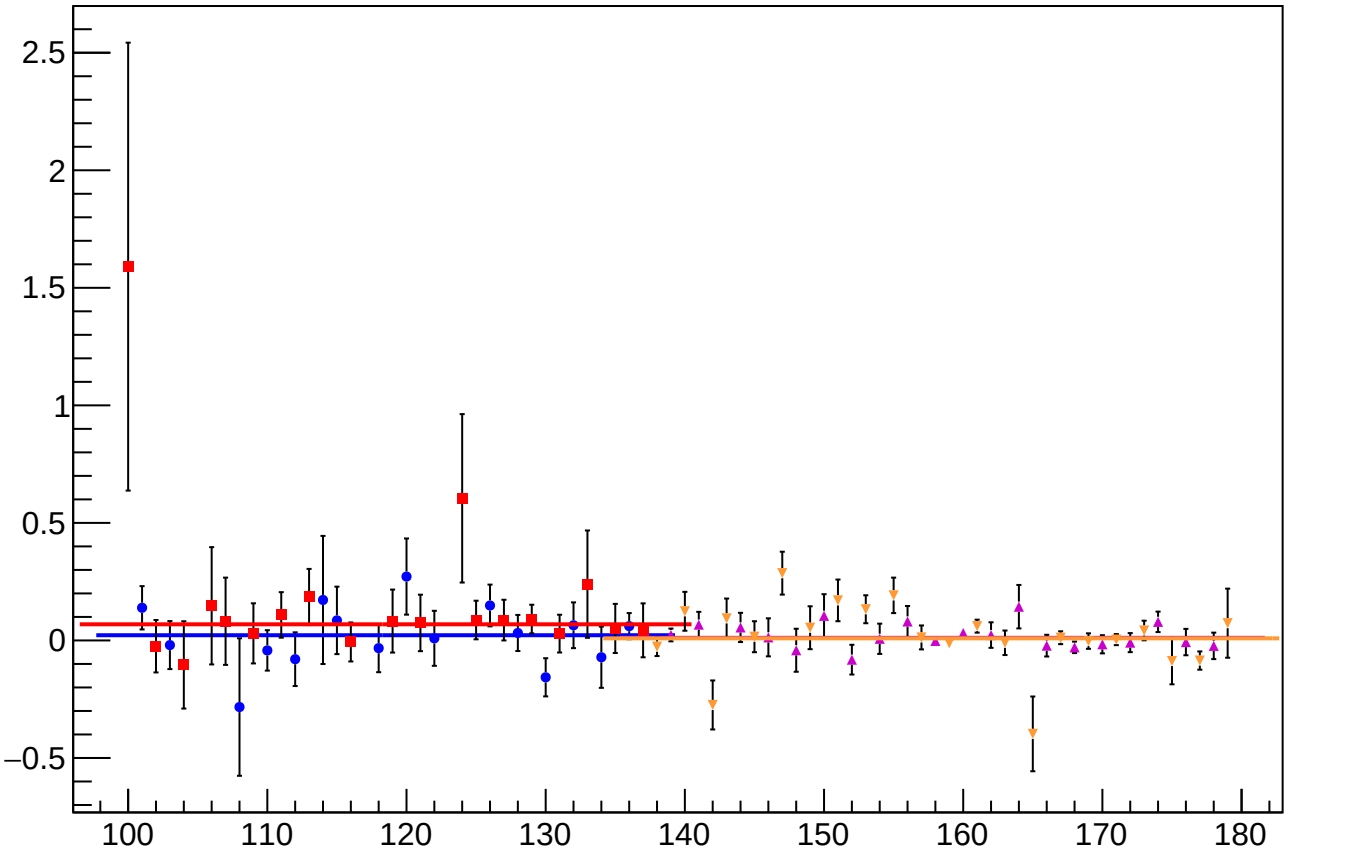
Right Out: 60.278+/-0.018 χ^2/NDF: 1977294.2/18

Left In: 24.351+/-0.006 χ^2/NDF:7694040.5/19

+ sign 30.738+/-0.006 χ^2/NDF: 13147512.2/37

All: 29.077+/-0.004 χ^2/NDF: 26655286.4/76

- sign 27.596+/-0.005 χ^2/NDF: 13346508.6/38



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.009+/-0.009 χ^2/NDF:54.1/21

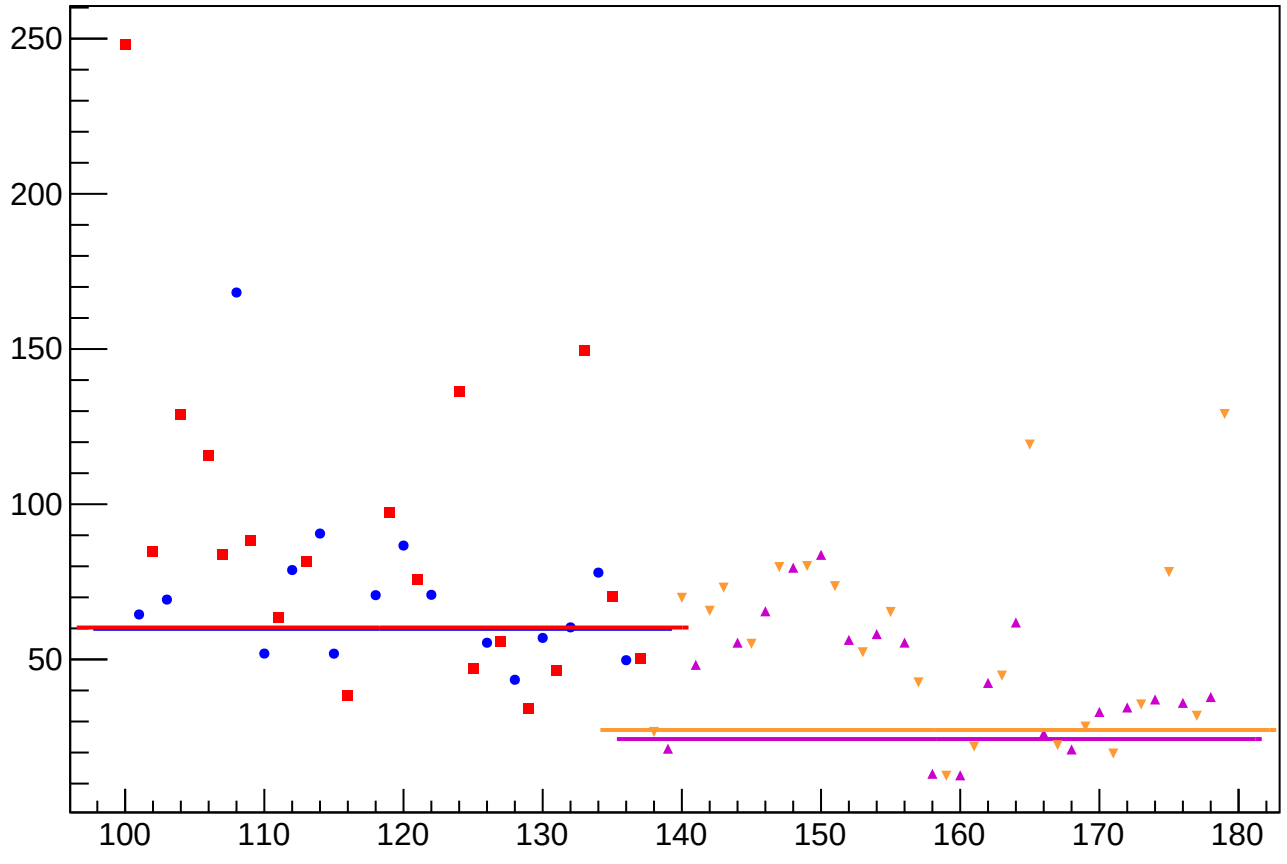
Right Out: 0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: 0.011+/-0.008 χ^2/NDF:17.7/19

+ sign 0.010+/-0.008 χ^2/NDF: 69.8/37

All: 0.013+/-0.006 χ^2/NDF: 102.1/76

- sign 0.016+/-0.008 χ^2/NDF: 32.0/38



Right In: 59.868+/-0.017 χ^2/NDF: 699008.9/15

Left Out: 27.273+/-0.006 χ^2/NDF:9329509.2/21

Right Out: 60.278+/-0.018 χ^2/NDF: 1977294.2/18

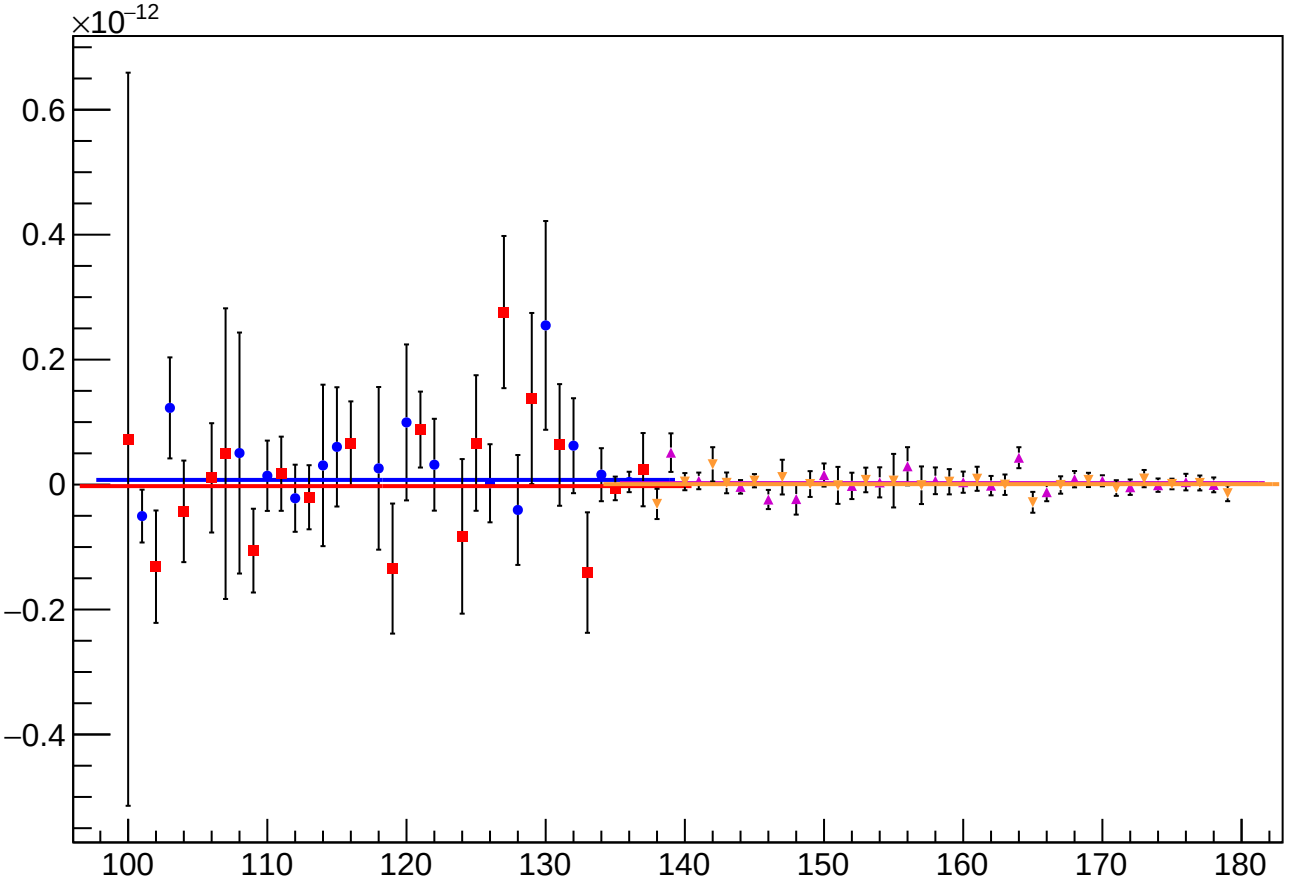
Left In: 24.351+/-0.006 χ^2/NDF:7694040.5/19

+ sign 30.738+/-0.006 χ^2/NDF: 13147512.2/37

All: 29.077+/-0.004 χ^2/NDF: 26655286.4/76

- sign 27.596+/-0.005 χ^2/NDF: 13346508.6/38

asym_sam3_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 8.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.4/21

Right Out: -0.000+/-0.000 χ^2/NDF: 19.7/18

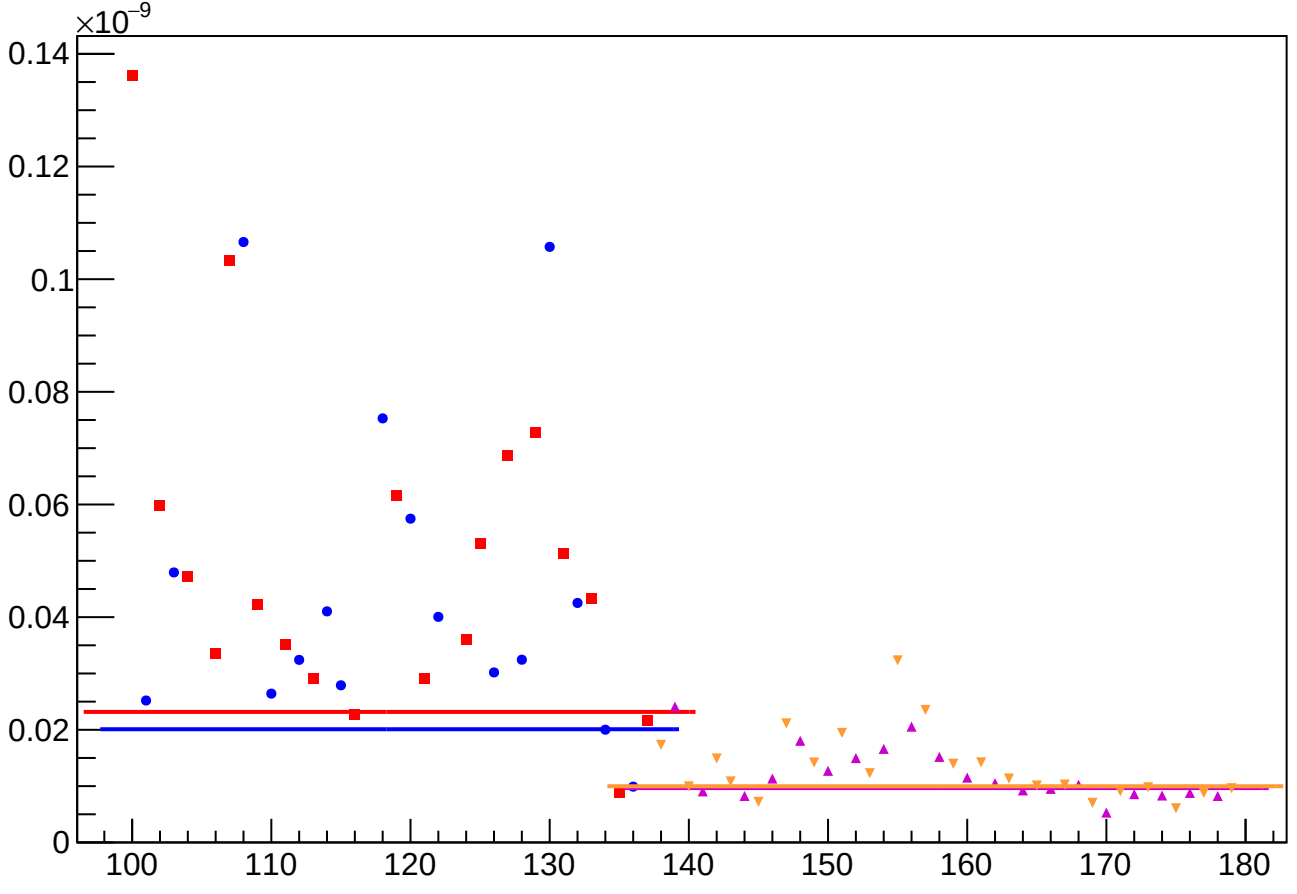
Left In: 0.000+/-0.000 χ^2/NDF:16.0/19

+ sign 0.000+/-0.000 χ^2/NDF: 18.0/37

All: 0.000+/-0.000 χ^2/NDF: 53.8/76

- sign 0.000+/-0.000 χ^2/NDF: 35.8/38

asym_sam3_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 3121422.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2753336.9/21

Right Out: 0.000+/-0.000 χ^2/NDF: 3530677.1/18

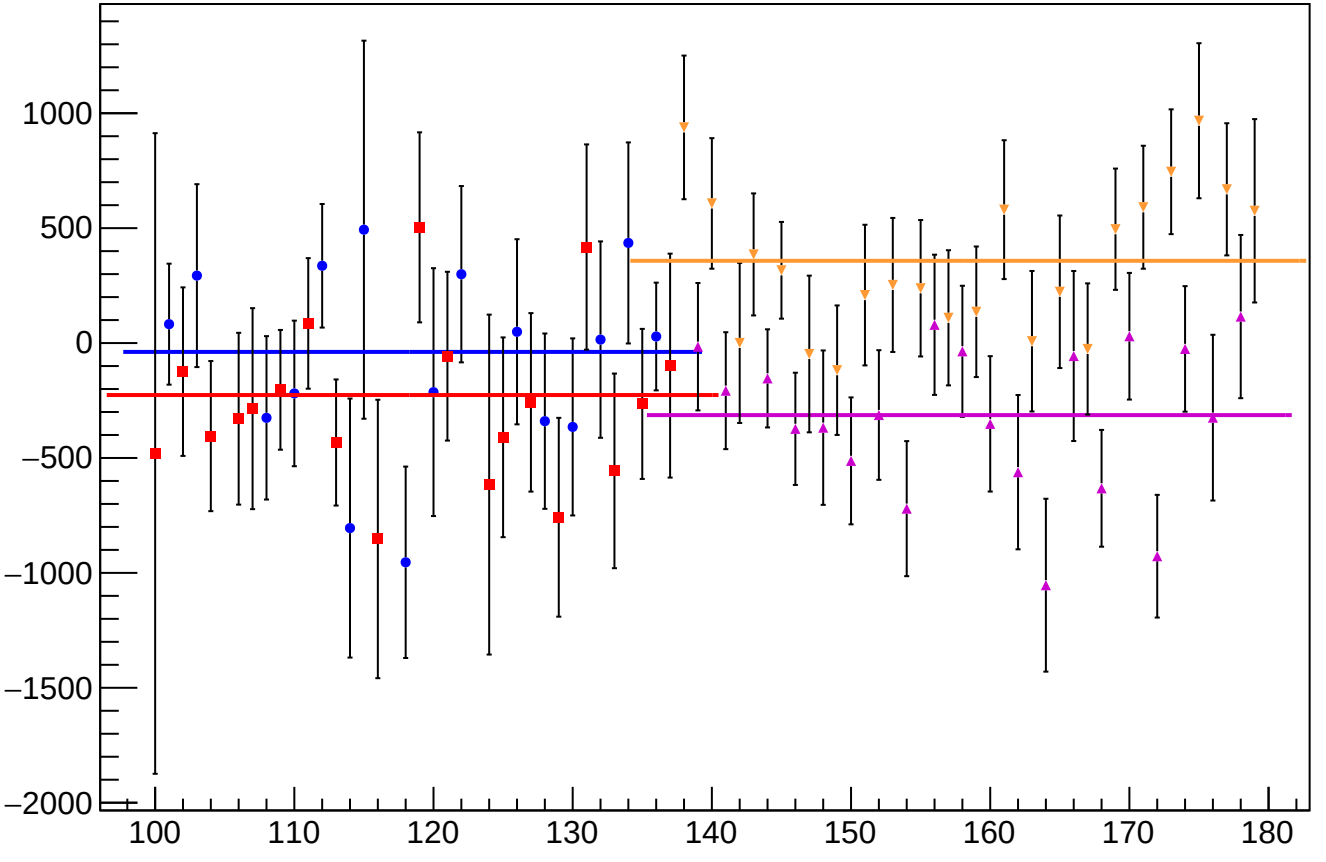
Left In: 0.000+/-0.000 χ^2/NDF:2066618.0/19

+ sign 0.000+/-0.000 χ^2/NDF: 7170278.6/37

All: 0.000+/-0.000 χ^2/NDF: 14665316.2/76

- sign 0.000+/-0.000 χ^2/NDF: 7488126.4/38

reg_asym_sam4_mean vs Slug



Right In: -38.498+/-90.619 χ^2/NDF: 14.5/15

Left Out: 357.913+/-62.175 χ^2/NDF:23.1/21

Right Out: -226.168+/-87.908 χ^2/NDF: 11.4/18

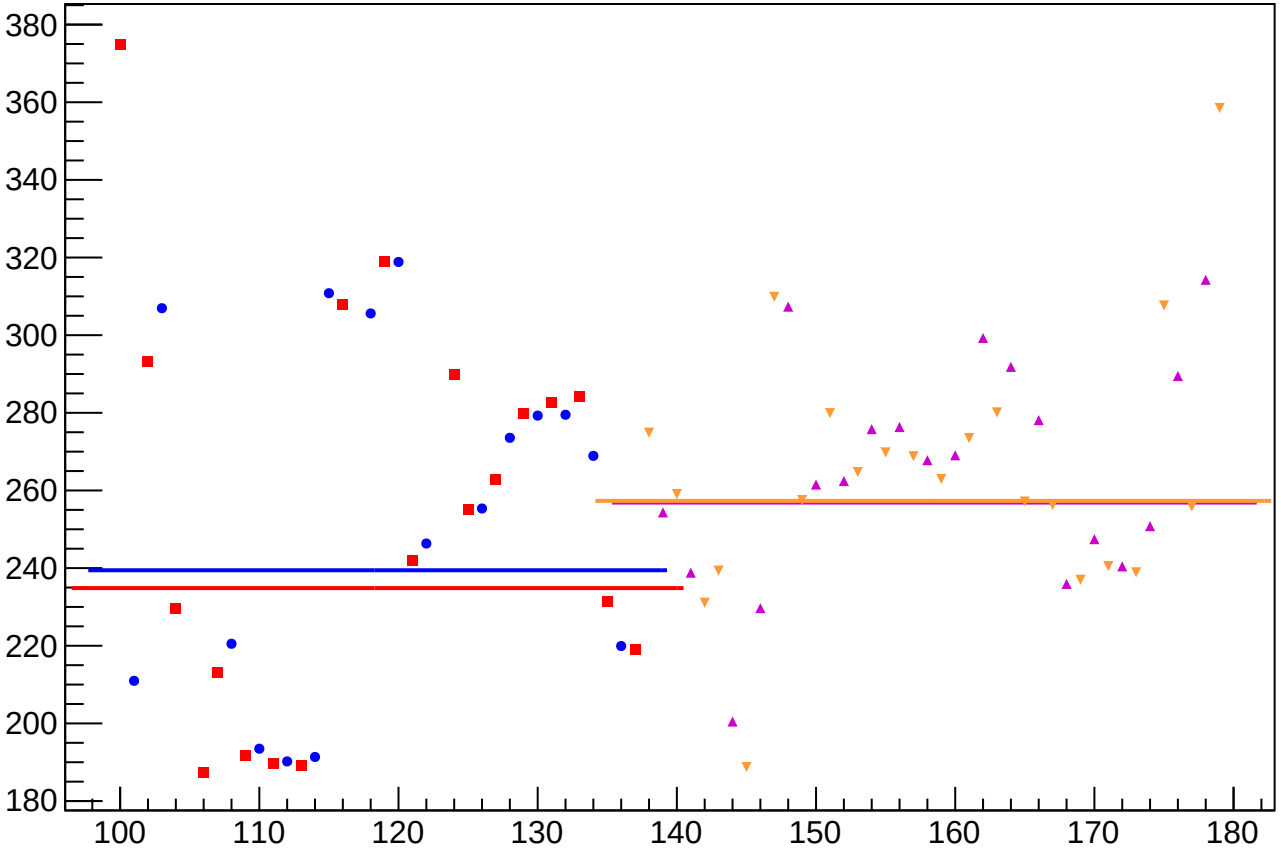
Left In: -313.463+/-64.168 χ^2/NDF:22.9/19

+ sign 231.030+/-51.268 χ^2/NDF: 50.5/37

All: -23.245+/-36.449 χ^2/NDF: 135.3/76

- sign -283.118+/-51.829 χ^2/NDF: 35.0/38

reg_asym_sam4_rms vs Slug



Right In: 239.449+/-0.064 χ^2/NDF: 400955.7/15

Left Out: 257.325+/-0.044 χ^2/NDF:525454.3/21

Right Out: 234.855+/-0.062 χ^2/NDF: 481715.3/18

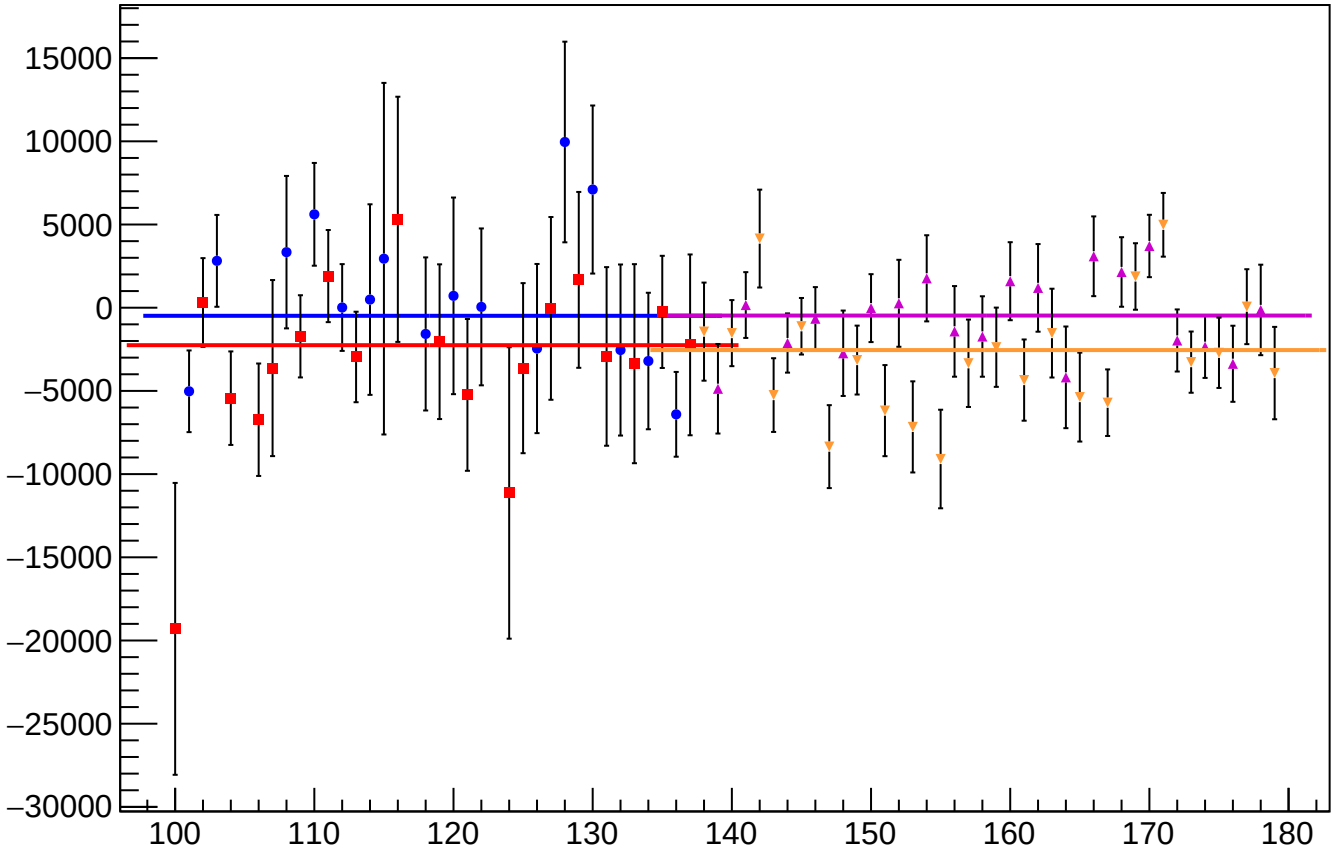
Left In: 256.882+/-0.045 χ^2/NDF:392700.9/19

+ sign 251.603+/-0.036 χ^2/NDF: 979325.9/37

All: 250.427+/-0.026 χ^2/NDF: 1937793.4/76

- sign 249.225+/-0.037 χ^2/NDF: 956339.2/38

asym_sam4_reg_correction_mean vs Slug



Right In: -485.932+/-947.459 χ^2/NDF: 21.1/15

Left Out: -2546.562+/-488.036 χ^2/NDF:49.3/21

Right Out: -2251.898+/-894.171 χ^2/NDF: 13.9/18

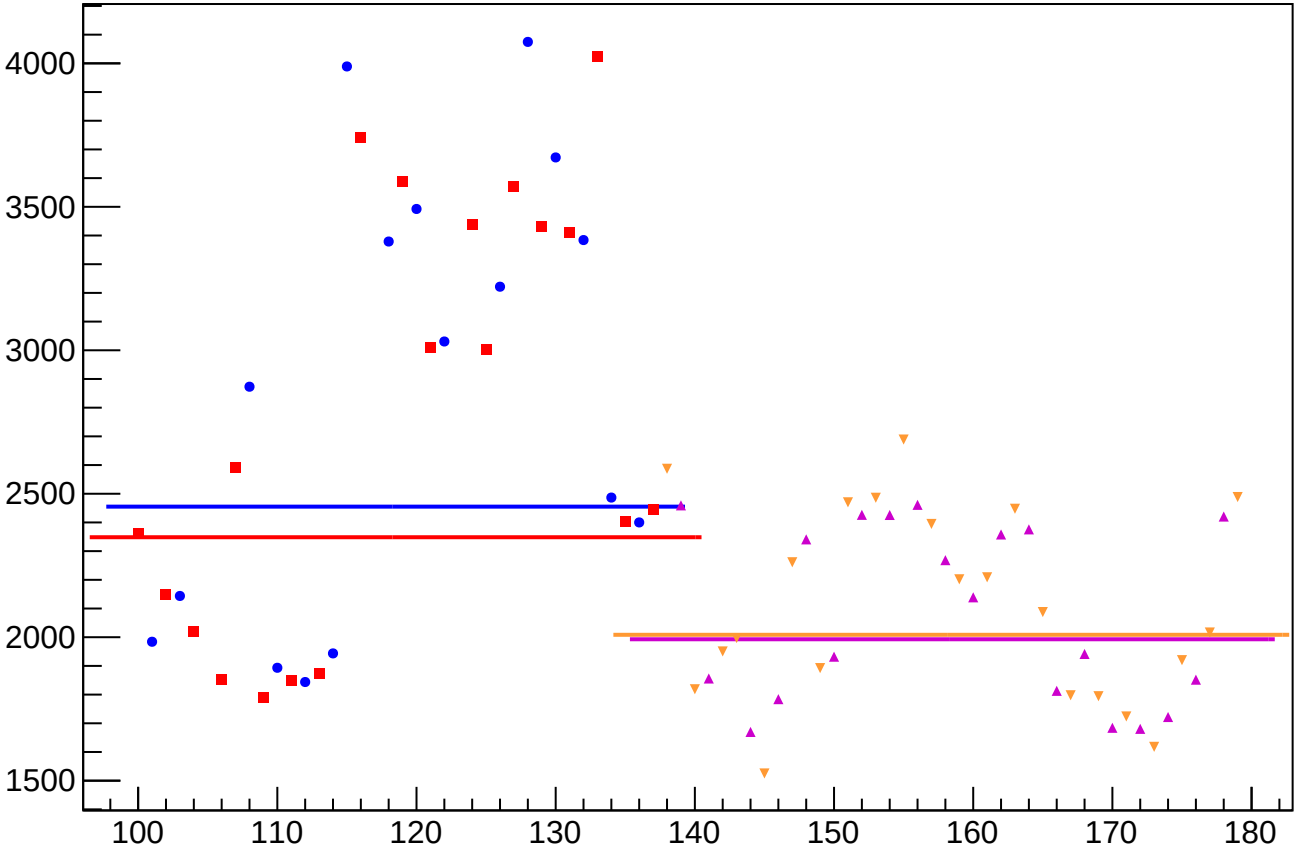
Left In: -472.065+/-499.964 χ^2/NDF:20.4/19

+ sign -2114.466+/-433.861 χ^2/NDF: 74.2/37

All: -1508.750+/-307.674 χ^2/NDF: 115.4/76

- sign -895.974+/-436.382 χ^2/NDF: 37.3/38

asym_sam4_reg_correction_rms vs Slug



Right In: 2455.103+/-0.670 χ^2/NDF: 894389.6/15

Left Out: 2008.427+/-0.345 χ^2/NDF:876686.2/21

Right Out: 2348.446+/-0.632 χ^2/NDF: 1052421.6/18

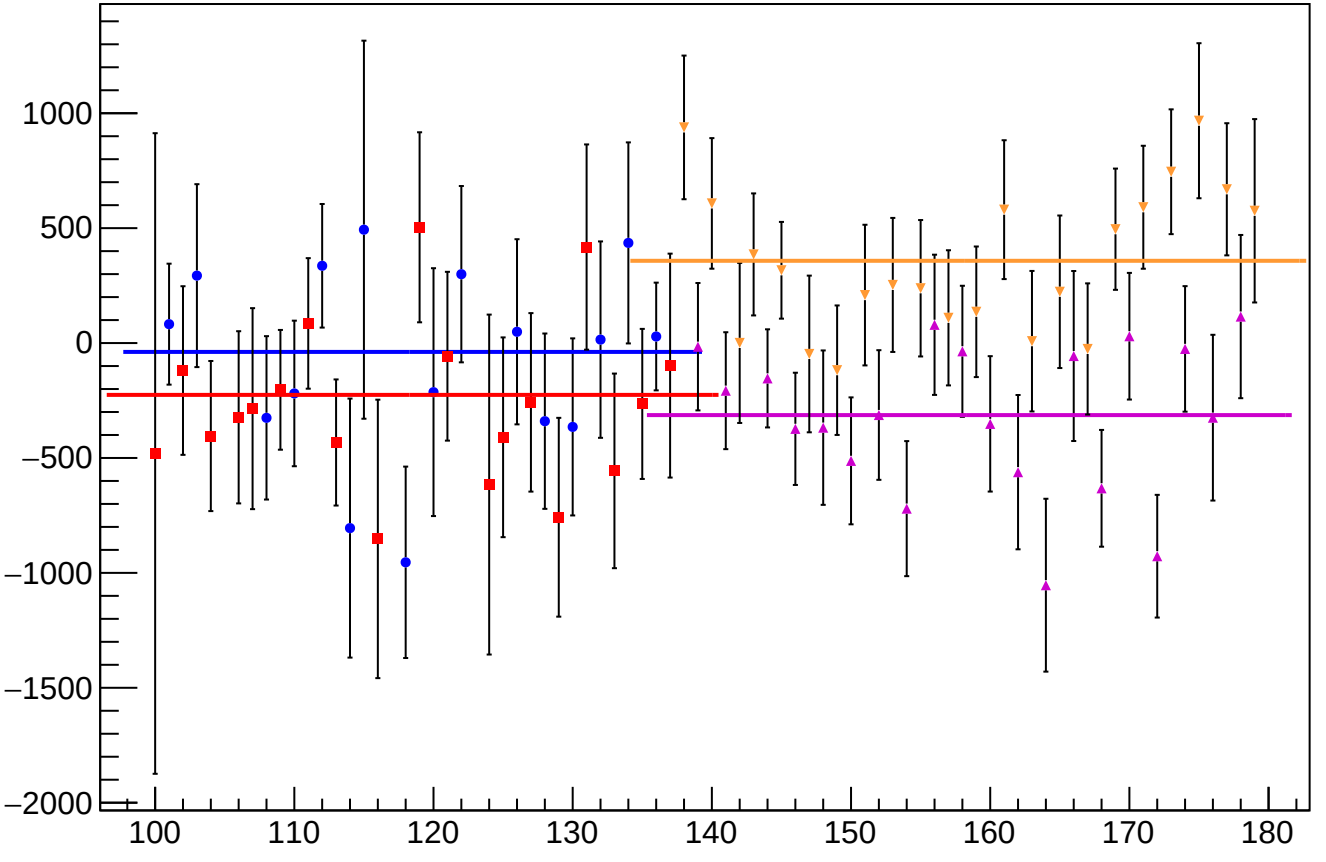
Left In: 1992.831+/-0.354 χ^2/NDF:693870.6/19

+ sign 2102.091+/-0.307 χ^2/NDF: 2122386.2/37

All: 2089.881+/-0.218 χ^2/NDF: 4112858.9/76

- sign 2077.529+/-0.309 χ^2/NDF: 1987286.2/38

cor_asym_sam4_mean vs Slug



Right In: -38.519+/-90.619 χ^2/NDF: 14.5/15

Left Out: 357.926+/-62.175 χ^2/NDF:23.1/21

Right Out: -225.515+/-87.922 χ^2/NDF: 11.4/18

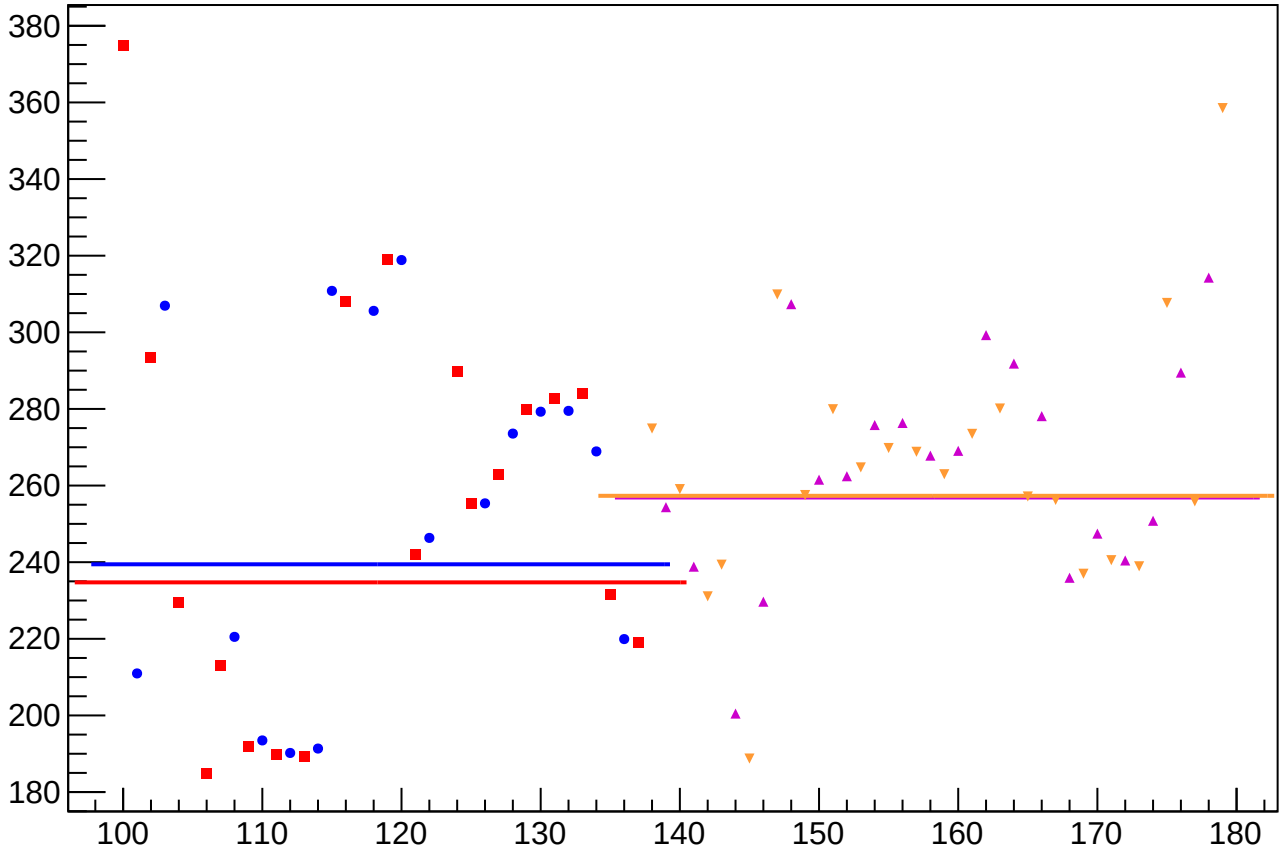
Left In: -313.466+/-64.168 χ^2/NDF:22.9/19

+ sign 231.032+/-51.268 χ^2/NDF: 50.6/37

All: -23.122+/-36.450 χ^2/NDF: 135.2/76

- sign -282.900+/-51.832 χ^2/NDF: 35.0/38

cor_asym_sam4_rms vs Slug



Right In: 239.449+/-0.064 χ^2/NDF: 400958.1/15

Left Out: 257.325+/-0.044 χ^2/NDF:525454.3/21

Right Out: 234.733+/-0.062 χ^2/NDF: 485238.4/18

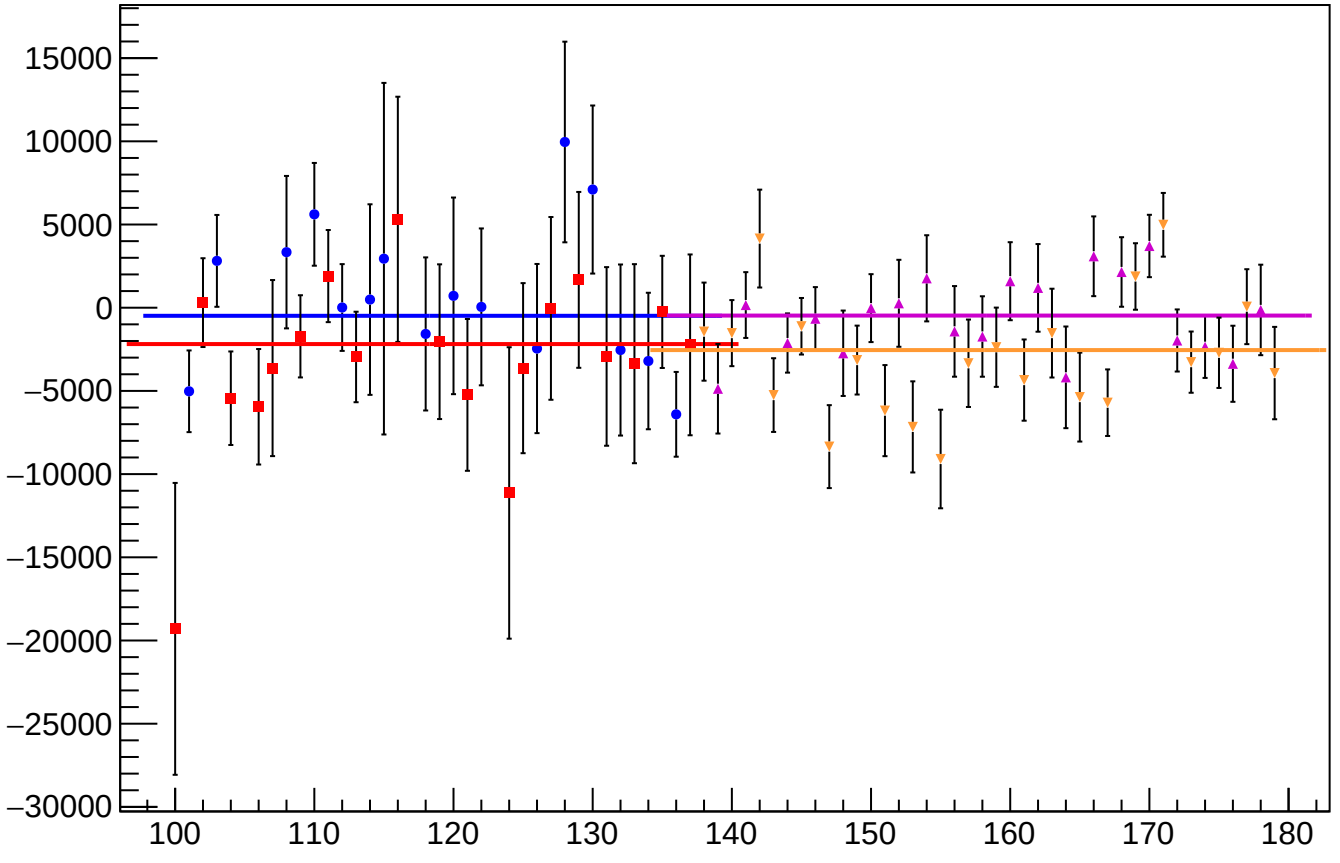
Left In: 256.882+/-0.045 χ^2/NDF:392700.9/19

\+ sign 251.603+/-0.036 χ^2/NDF: 979327.9/37

All: 250.407+/-0.026 χ^2/NDF: 1942283.1/76

\- sign 249.184+/-0.037 χ^2/NDF: 960753.4/38

asym_sam4_cor_correction_mean vs Slug



Right In: -486.103+/-947.467 χ^2/NDF: 21.1/15

Left Out: -2546.549+/-488.036 χ^2/NDF:49.3/21

Right Out: -2184.834+/-895.863 χ^2/NDF: 13.3/18

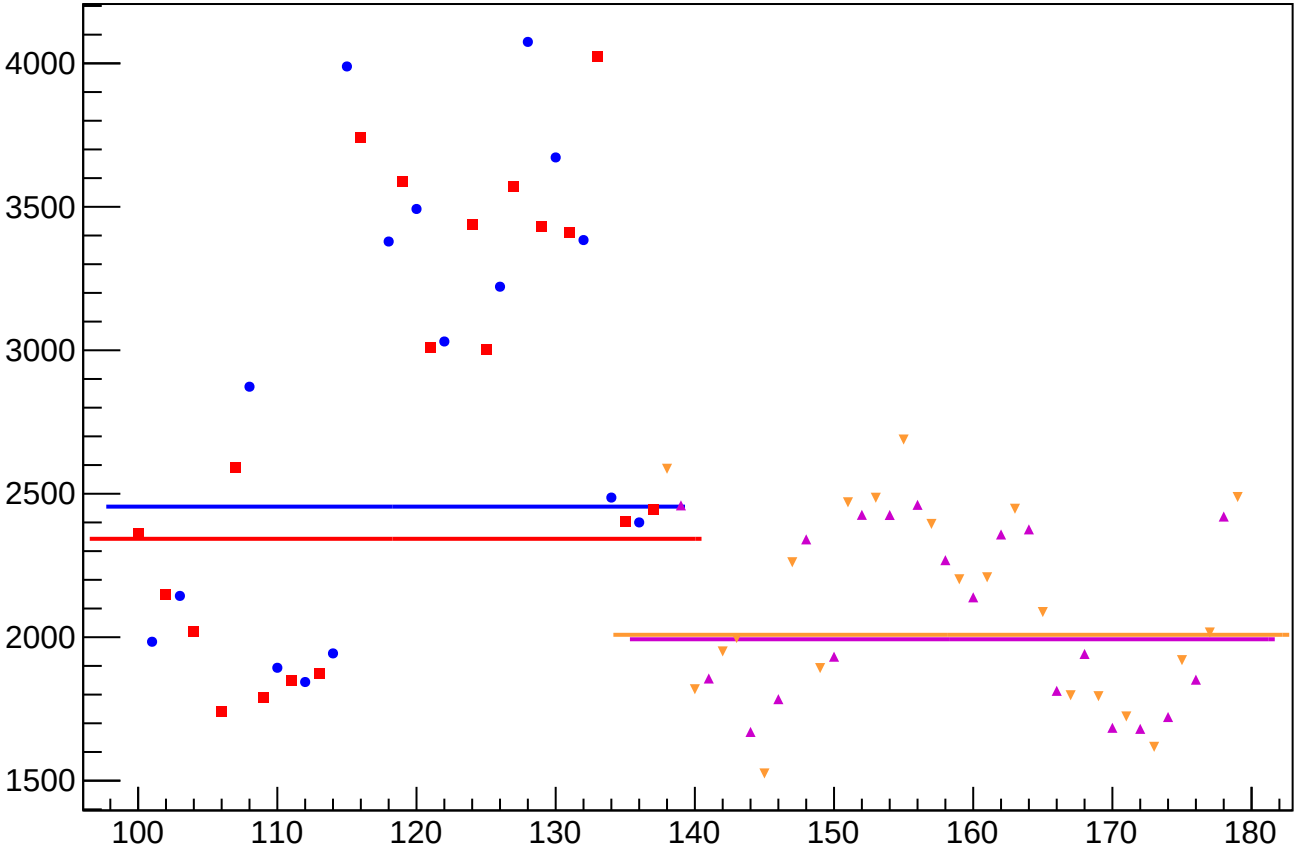
Left In: -472.076+/-499.965 χ^2/NDF:20.4/19

+ sign -2114.497+/-433.862 χ^2/NDF: 74.2/37

All: -1500.524+/-307.743 χ^2/NDF: 114.6/76

- sign -878.836+/-436.579 χ^2/NDF: 36.4/38

asym_sam4_cor_correction_rms vs Slug



Right In: 2455.127+/-0.670 χ^2/NDF: 894358.3/15

Left Out: 2008.427+/-0.345 χ^2/NDF:876686.9/21

Right Out: 2342.955+/-0.633 χ^2/NDF: 1070387.8/18

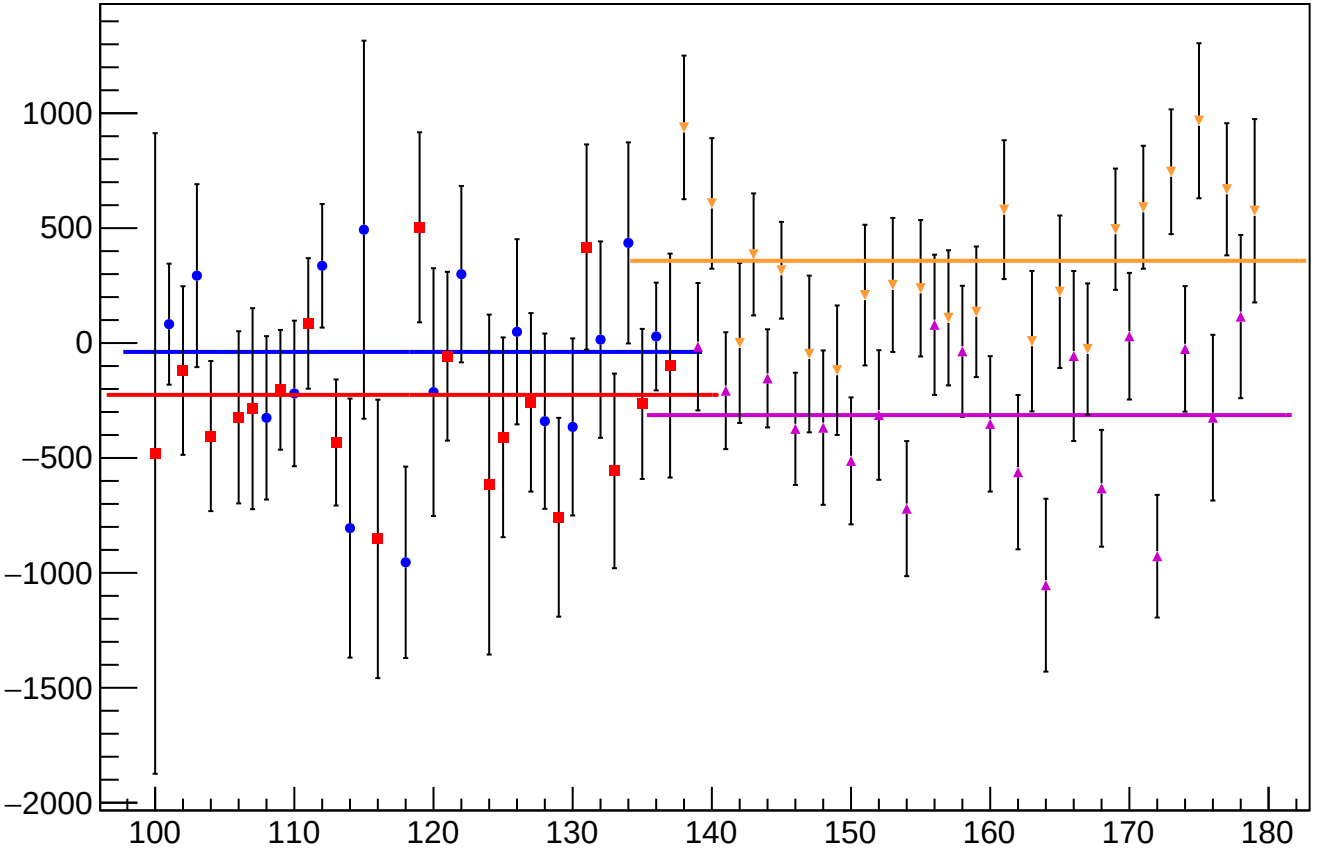
Left In: 1992.831+/-0.354 χ^2/NDF:693871.3/19

+ sign 2102.095+/-0.307 χ^2/NDF: 2122389.6/37

All: 2089.120+/-0.218 χ^2/NDF: 4123185.3/76

- sign 2075.982+/-0.309 χ^2/NDF: 1997195.7/38

eigen_cor_asym_sam4_mean vs Slug



Right In: -38.519+/-90.619 χ^2/NDF: 14.5/15

Left Out: 357.926+/-62.175 χ^2/NDF:23.1/21

Right Out: -225.515+/-87.922 χ^2/NDF: 11.4/18

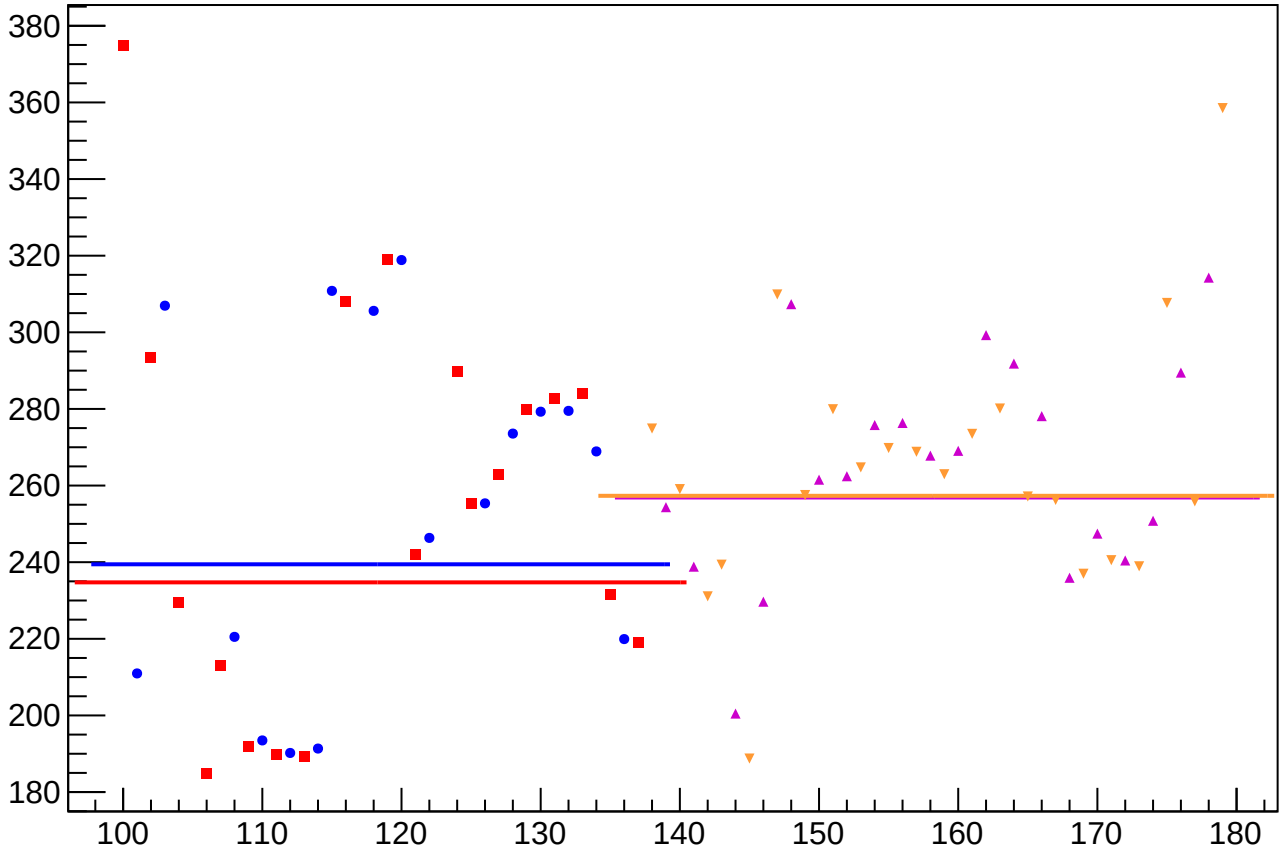
Left In: -313.466+/-64.168 χ^2/NDF:22.9/19

+ sign 231.032+/-51.268 χ^2/NDF: 50.6/37

All: -23.122+/-36.450 χ^2/NDF: 135.2/76

- sign -282.900+/-51.832 χ^2/NDF: 35.0/38

eigen_cor_asym_sam4_rms vs Slug



Right In: 239.449+/-0.064 χ^2/NDF: 400958.1/15

Left Out: 257.325+/-0.044 χ^2/NDF:525454.3/21

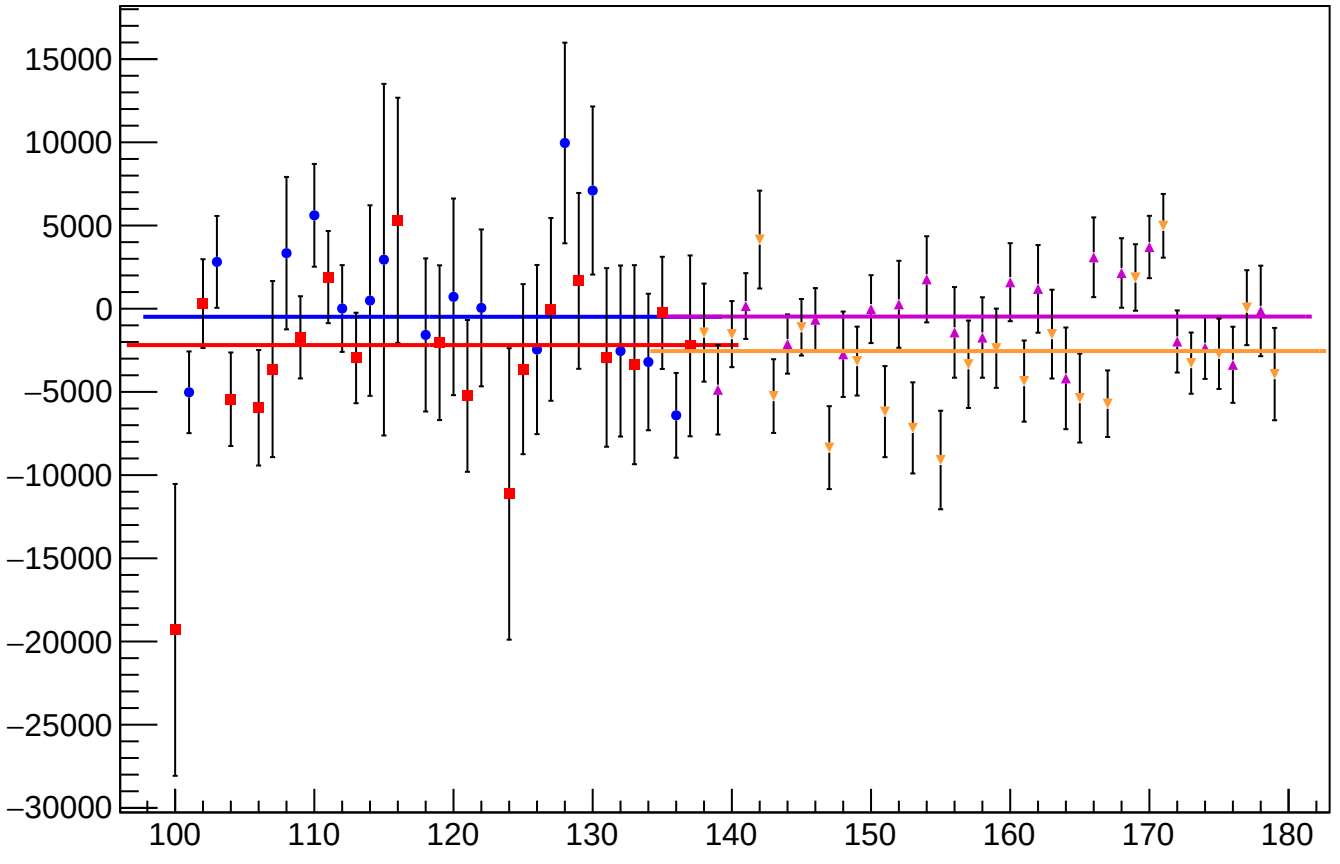
Right Out: 234.733+/-0.062 χ^2/NDF: 485238.4/18

Left In: 256.882+/-0.045 χ^2/NDF:392700.9/19

+ sign 251.603+/-0.036 χ^2/NDF: 979327.9/37

All: 250.407+/-0.026 χ^2/NDF: 1942283.1/76

- sign 249.184+/-0.037 χ^2/NDF: 960753.4/38



Right In: -486.103+/-947.467 χ^2/NDF: 21.1/15

Left Out: -2546.549+/-488.036 χ^2/NDF:49.3/21

Right Out: -2184.834+/-895.863 χ^2/NDF: 13.3/18

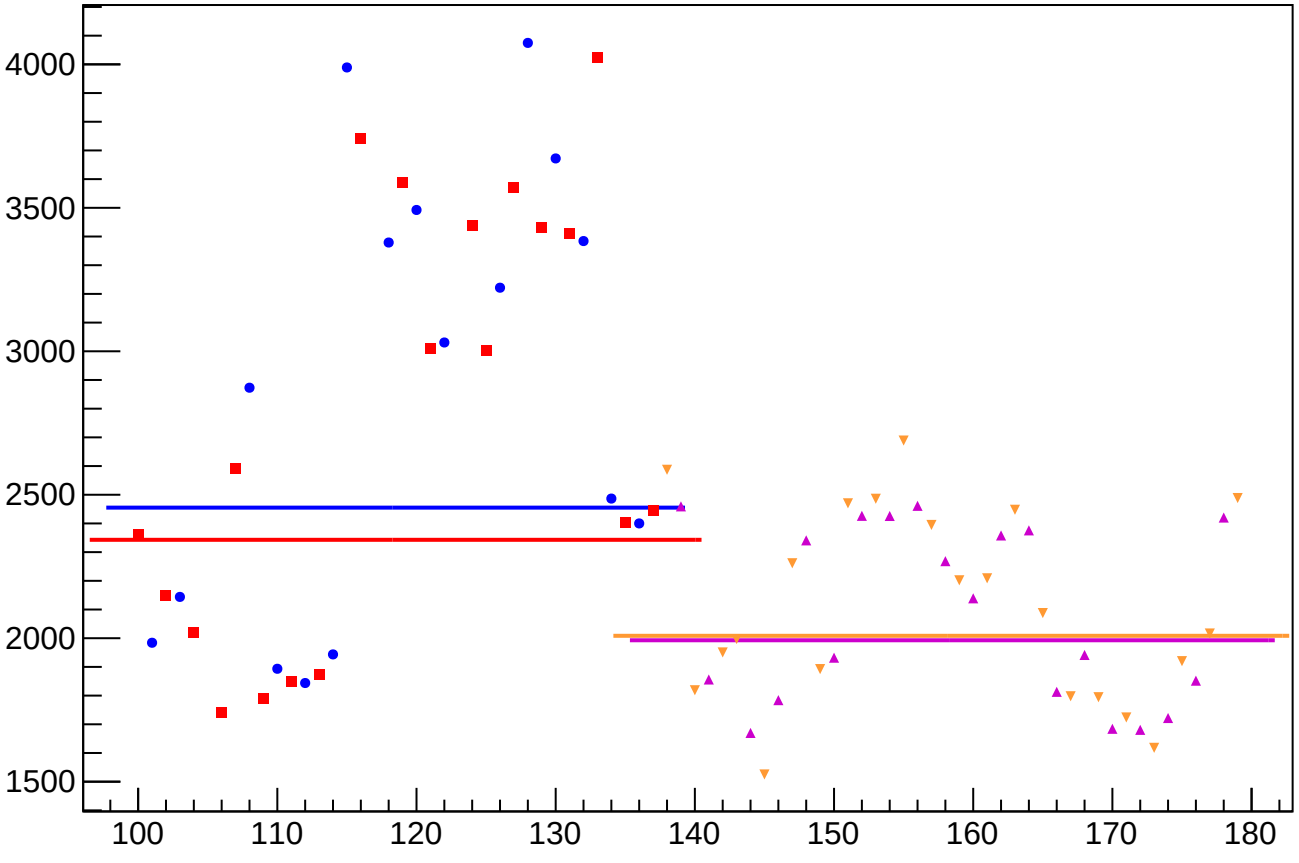
Left In: -472.076+/-499.965 χ^2/NDF:20.4/19

+ sign -2114.497+/-433.862 χ^2/NDF: 74.2/37

All: -1500.524+/-307.743 χ^2/NDF: 114.6/76

- sign -878.836+/-436.579 χ^2/NDF: 36.4/38

asym_sam4_eigen_cor_correction_rms vs Slug



Right In: 2455.127+/-0.670 χ^2/NDF: 894358.3/15

Left Out: 2008.427+/-0.345 χ^2/NDF:876686.9/21

Right Out: 2342.955+/-0.633 χ^2/NDF: 1070387.8/18

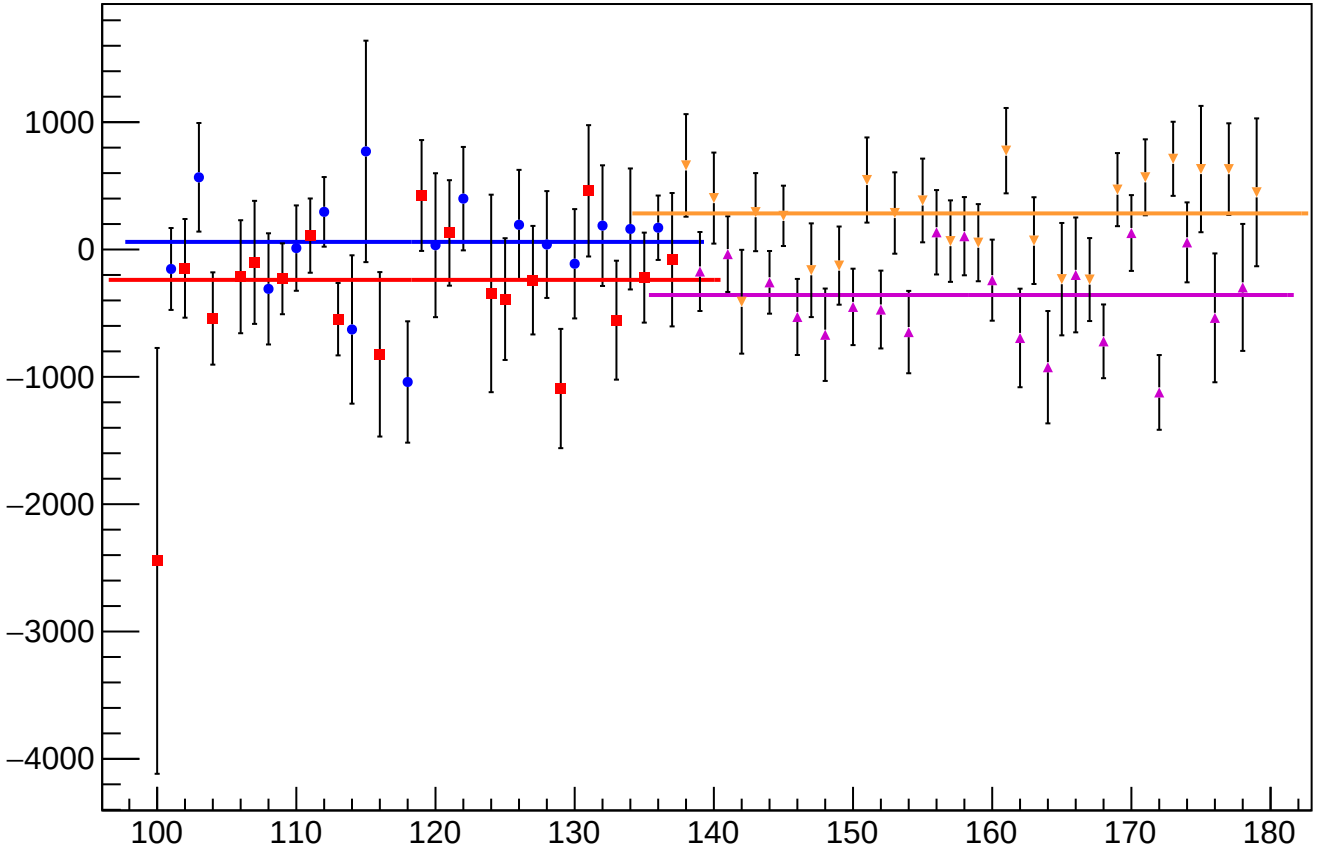
Left In: 1992.831+/-0.354 χ^2/NDF:693871.3/19

+ sign 2102.095+/-0.307 χ^2/NDF: 2122389.6/37

All: 2089.120+/-0.218 χ^2/NDF: 4123185.3/76

- sign 2075.982+/-0.309 χ^2/NDF: 1997195.7/38

dit_asym_sam4_mean vs Slug



Right In: 59.728+/-99.230 χ^2/NDF: 12.0/15

Left Out: 283.462+/-71.226 χ^2/NDF:20.4/21

Right Out: -238.516+/-95.062 χ^2/NDF: 14.9/18

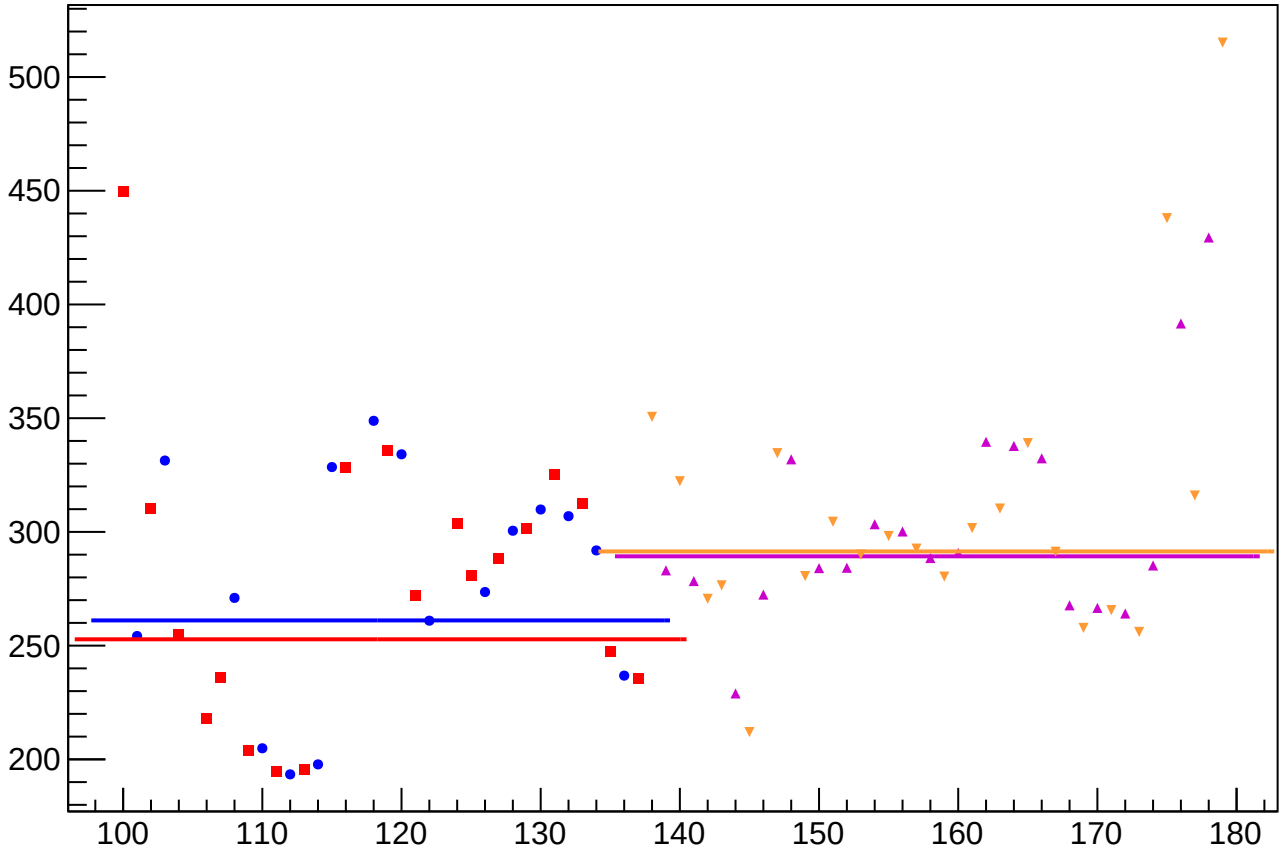
Left In: -357.316+/-73.011 χ^2/NDF:23.9/19

+ sign 207.385+/-57.863 χ^2/NDF: 35.7/37

All: -52.744+/-40.930 χ^2/NDF: 116.0/76

- sign -313.239+/-57.904 χ^2/NDF: 39.8/38

dit_asym_sam4_rms vs Slug



Right In: 261.089+/-0.070 χ^2/NDF: 462662.2/15

Left Out: 291.420+/-0.050 χ^2/NDF:913500.3/21

Right Out: 252.787+/-0.067 χ^2/NDF: 537290.6/18

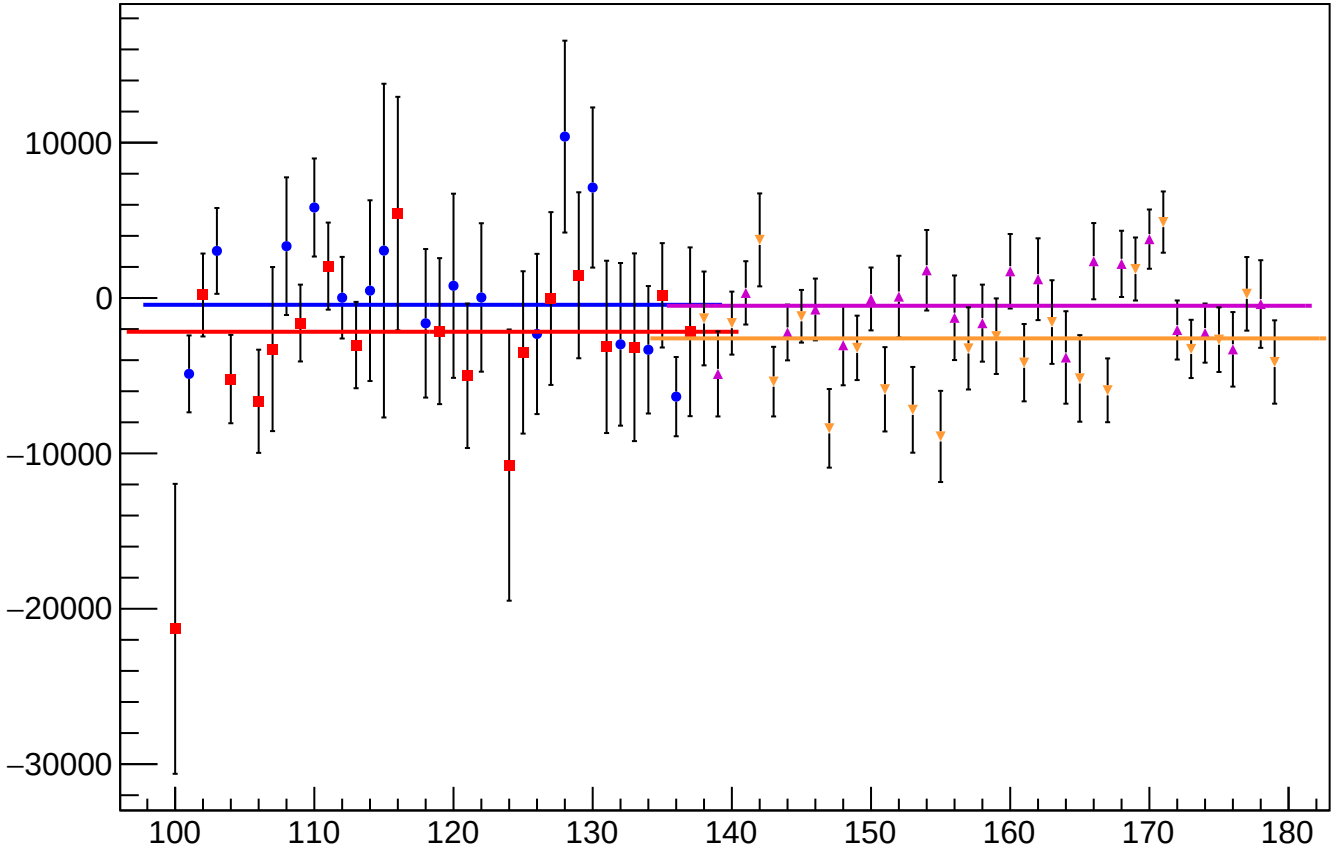
Left In: 289.263+/-0.052 χ^2/NDF:518606.9/19

\+ sign 281.106+/-0.041 χ^2/NDF: 1499482.7/37

All: 278.420+/-0.029 χ^2/NDF: 2749218.0/76

\- sign 275.730+/-0.041 χ^2/NDF: 1241108.3/38

asym_sam4_dit_correction_mean vs Slug



Right In: -436.732+/-955.134 χ^2/NDF: 21.2/15

Left Out: -2598.044+/-494.163 χ^2/NDF:46.6/21

Right Out: -2172.091+/-901.102 χ^2/NDF: 14.0/18

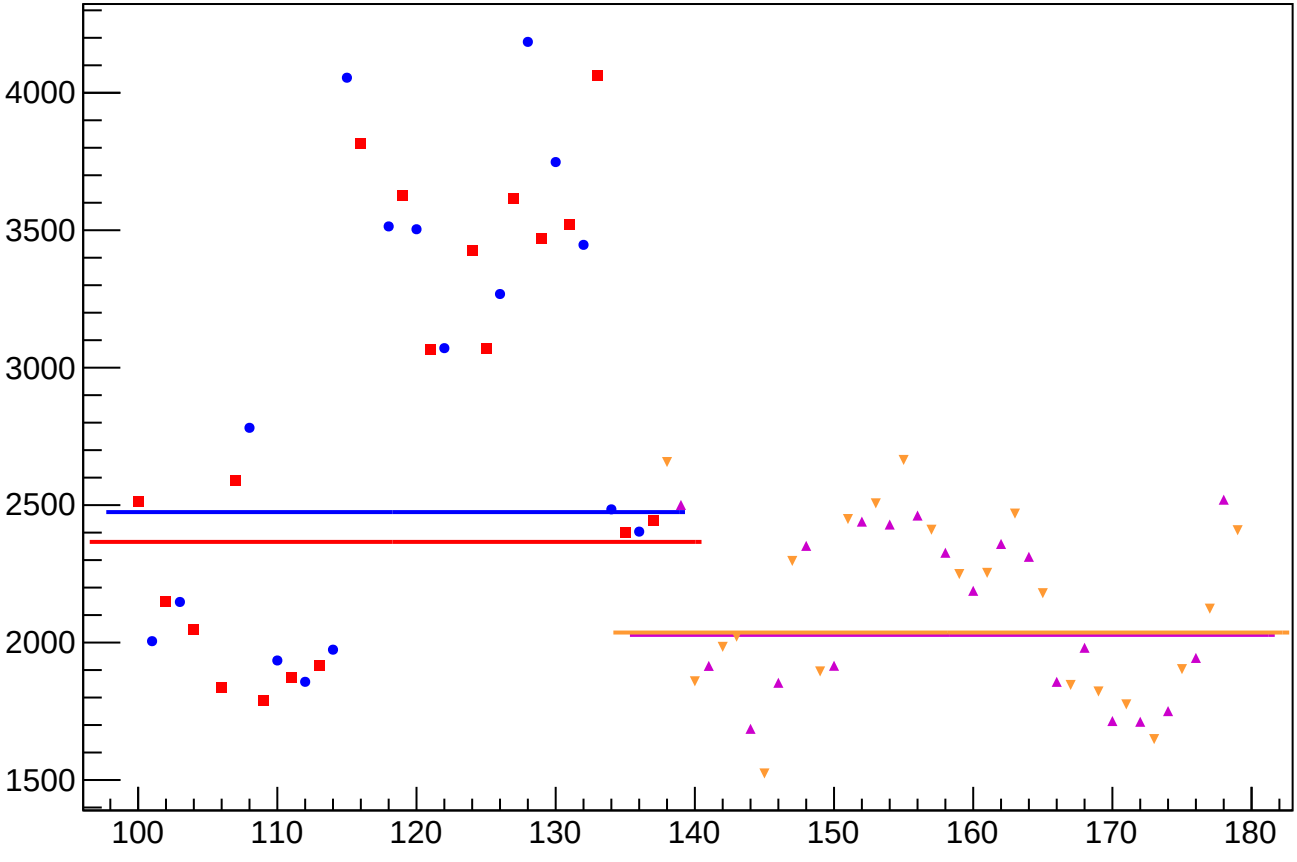
Left In: -498.594+/-508.408 χ^2/NDF:19.2/19

\+ sign -2141.671+/-438.900 χ^2/NDF: 71.9/37

All: -1527.648+/-311.716 χ^2/NDF: 111.7/76

\- sign -902.684+/-442.793 χ^2/NDF: 35.9/38

asym_sam4_dit_correction_rms vs Slug



Right In: 2474.622+/-0.675 χ^2/NDF: 916250.9/15

Left Out: 2036.475+/-0.349 χ^2/NDF:846888.4/21

Right Out: 2366.221+/-0.637 χ^2/NDF: 1077175.3/18

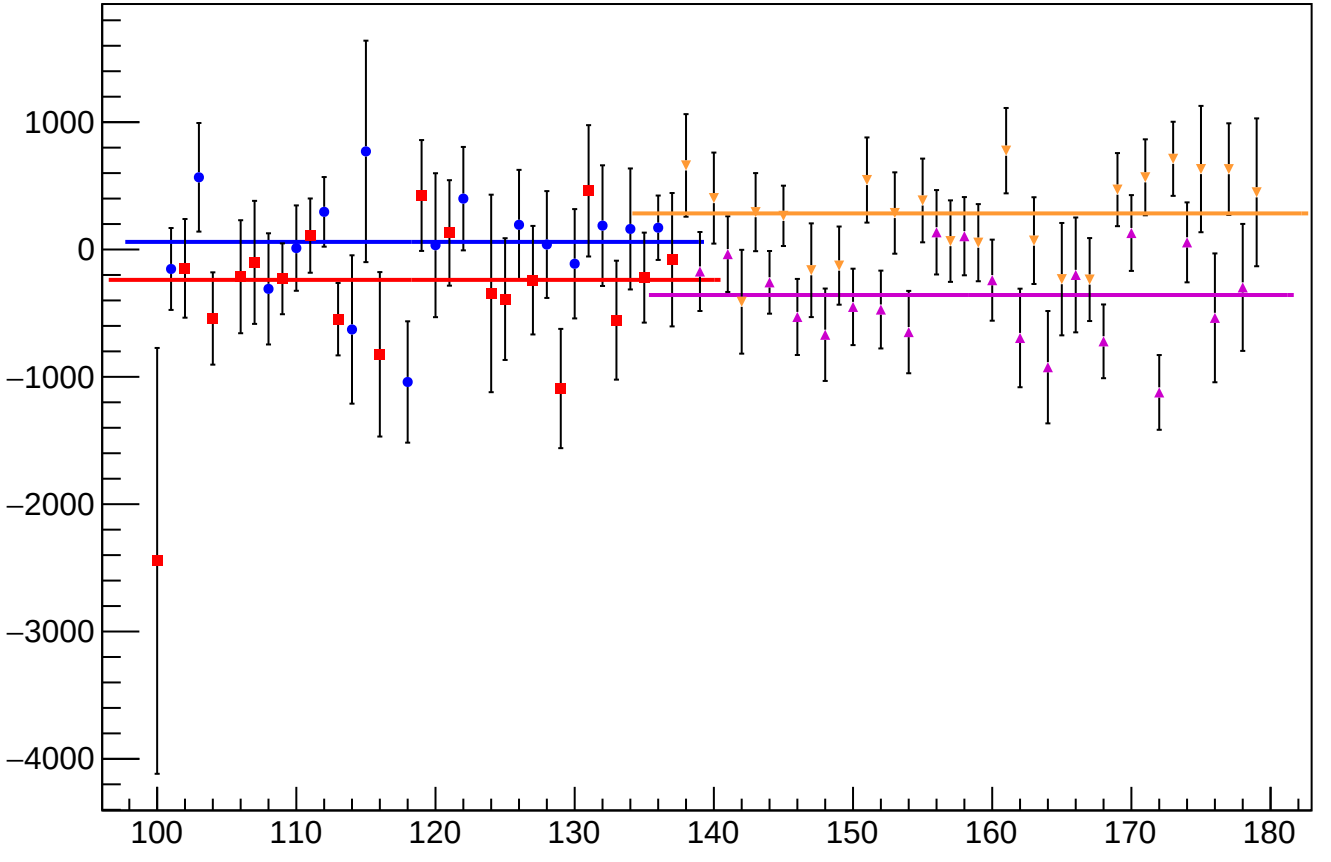
Left In: 2027.918+/-0.359 χ^2/NDF:652913.2/19

+ sign 2128.993+/-0.310 χ^2/NDF: 2095134.1/37

All: 2119.385+/-0.220 χ^2/NDF: 4040987.3/76

- sign 2109.606+/-0.313 χ^2/NDF: 1943919.4/38

eigen_dit_asym_sam4_mean vs Slug



Right In: 59.734+/-99.230 χ^2/NDF: 12.0/15

Left Out: 283.466+/-71.226 χ^2/NDF:20.4/21

Right Out: -238.515+/-95.062 χ^2/NDF: 14.9/18

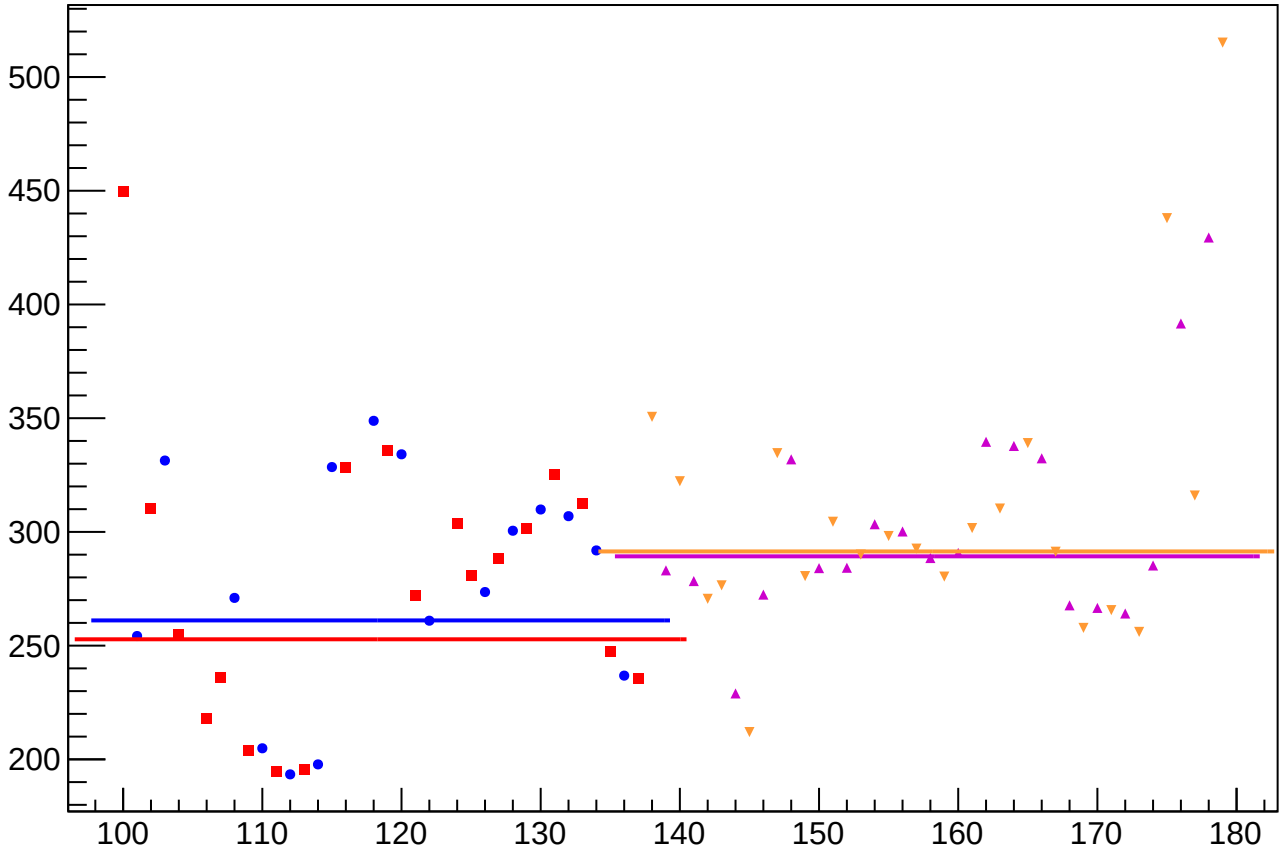
Left In: -357.316+/-73.011 χ^2/NDF:23.9/19

+ sign 207.390+/-57.863 χ^2/NDF: 35.7/37

All: -52.741+/-40.930 χ^2/NDF: 116.0/76

- sign -313.239+/-57.904 χ^2/NDF: 39.8/38

eigen_dit_asym_sam4_rms vs Slug



Right In: 261.089+/-0.070 χ^2/NDF: 462665.3/15

Left Out: 291.420+/-0.050 χ^2/NDF:913500.8/21

Right Out: 252.787+/-0.067 χ^2/NDF: 537293.8/18

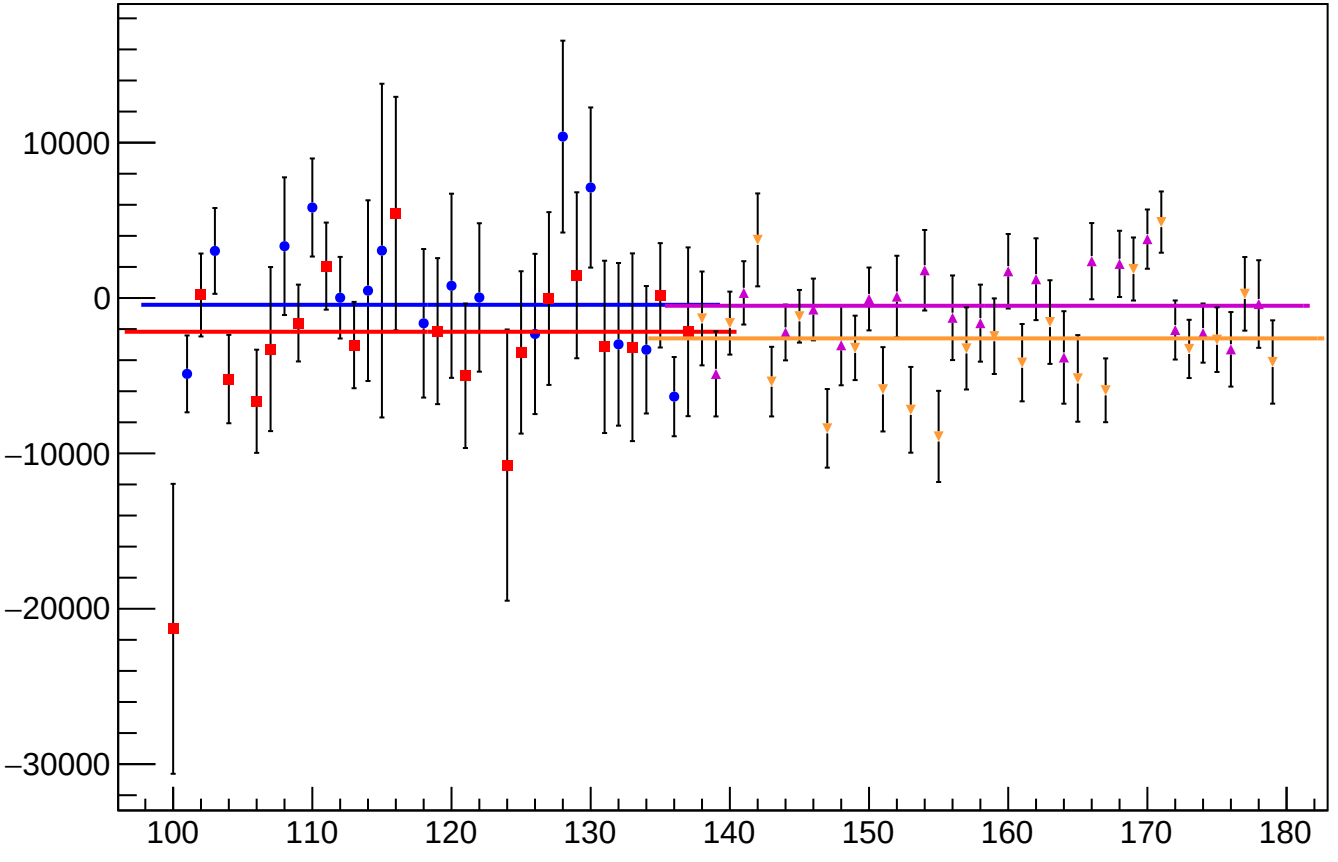
Left In: 289.263+/-0.052 χ^2/NDF:518596.9/19

+ sign 281.106+/-0.041 χ^2/NDF: 1499488.1/37

All: 278.420+/-0.029 χ^2/NDF: 2749219.7/76

- sign 275.730+/-0.041 χ^2/NDF: 1241104.3/38

asym_sam4_eigen_dit_correction_mean vs Slug



Right In: -436.731+/-955.133 χ^2/NDF: 21.2/15

Left Out: -2598.039+/-494.162 χ^2/NDF:46.6/21

Right Out: -2172.089+/-901.101 χ^2/NDF: 14.0/18

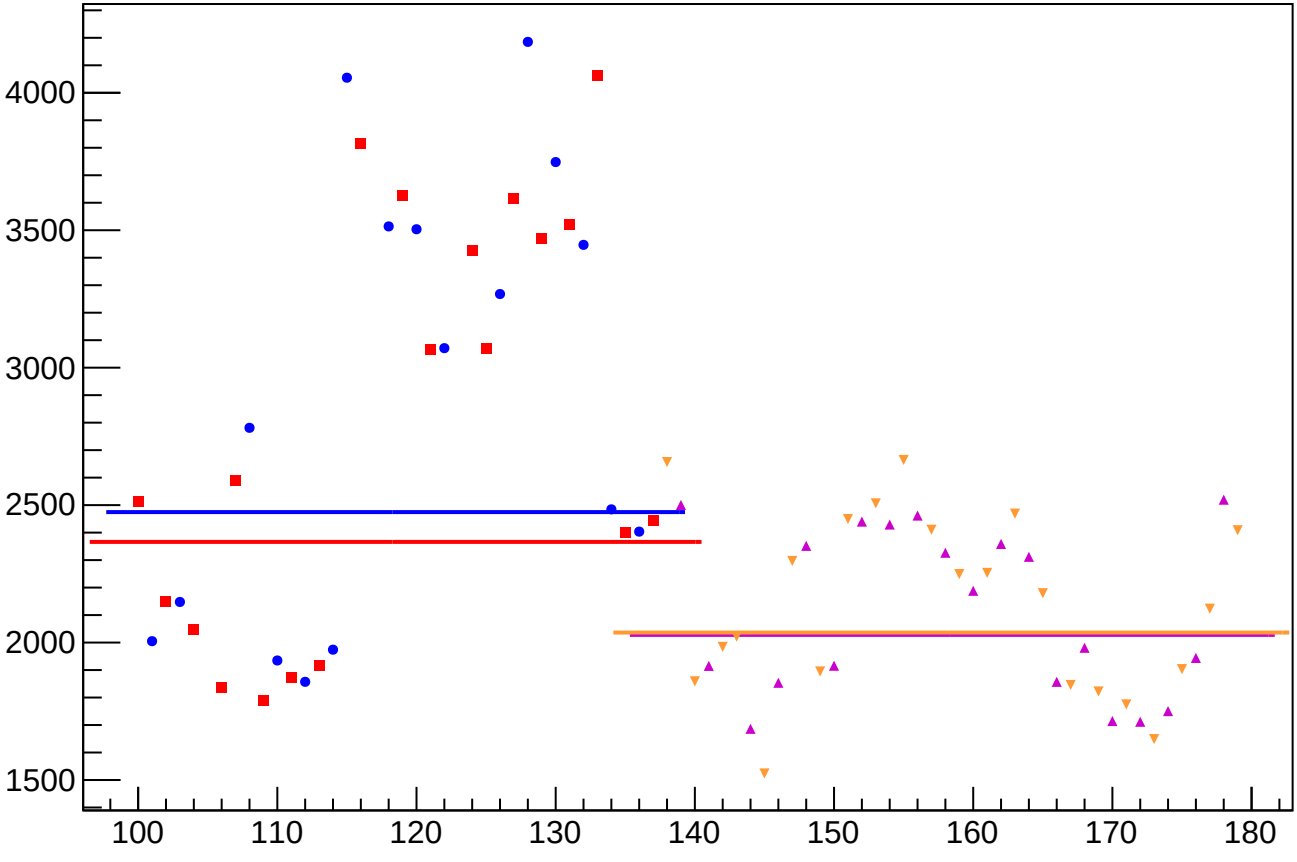
Left In: -498.591+/-508.408 χ^2/NDF:19.2/19

\+ sign -2141.667+/-438.900 χ^2/NDF: 71.9/37

All: -1527.644+/-311.716 χ^2/NDF: 111.7/76

\- sign -902.681+/-442.792 χ^2/NDF: 35.9/38

asym_sam4_eigen_dit_correction_rms vs Slug



Right In: 2474.620+/-0.675 χ^2/NDF: 916254.1/15

Left Out: 2036.472+/-0.349 χ^2/NDF:846890.6/21

Right Out: 2366.219+/-0.637 χ^2/NDF: 1077177.7/18

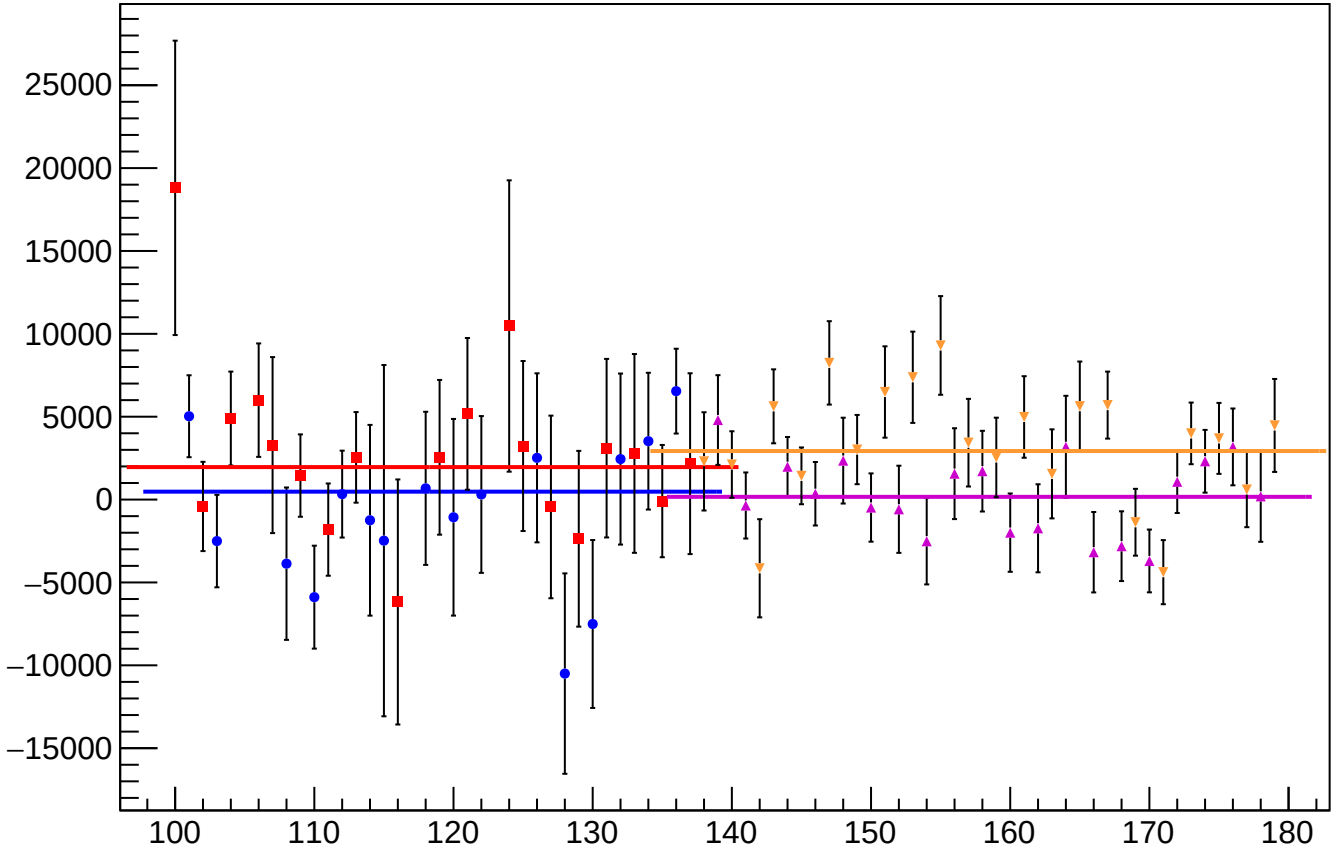
Left In: 2027.915+/-0.359 χ^2/NDF:652912.8/19

+ sign 2128.990+/-0.310 χ^2/NDF: 2095142.3/37

All: 2119.382+/-0.220 χ^2/NDF: 4040999.1/76

- sign 2109.604+/-0.313 χ^2/NDF: 1943923.1/38

asym_sam4_mean vs Slug



Right In: 477.284+/-952.752 χ^2/NDF: 22.1/15

Left Out: 2928.985+/-492.289 χ^2/NDF:46.0/21

Right Out: 1959.491+/-899.702 χ^2/NDF: 12.8/18

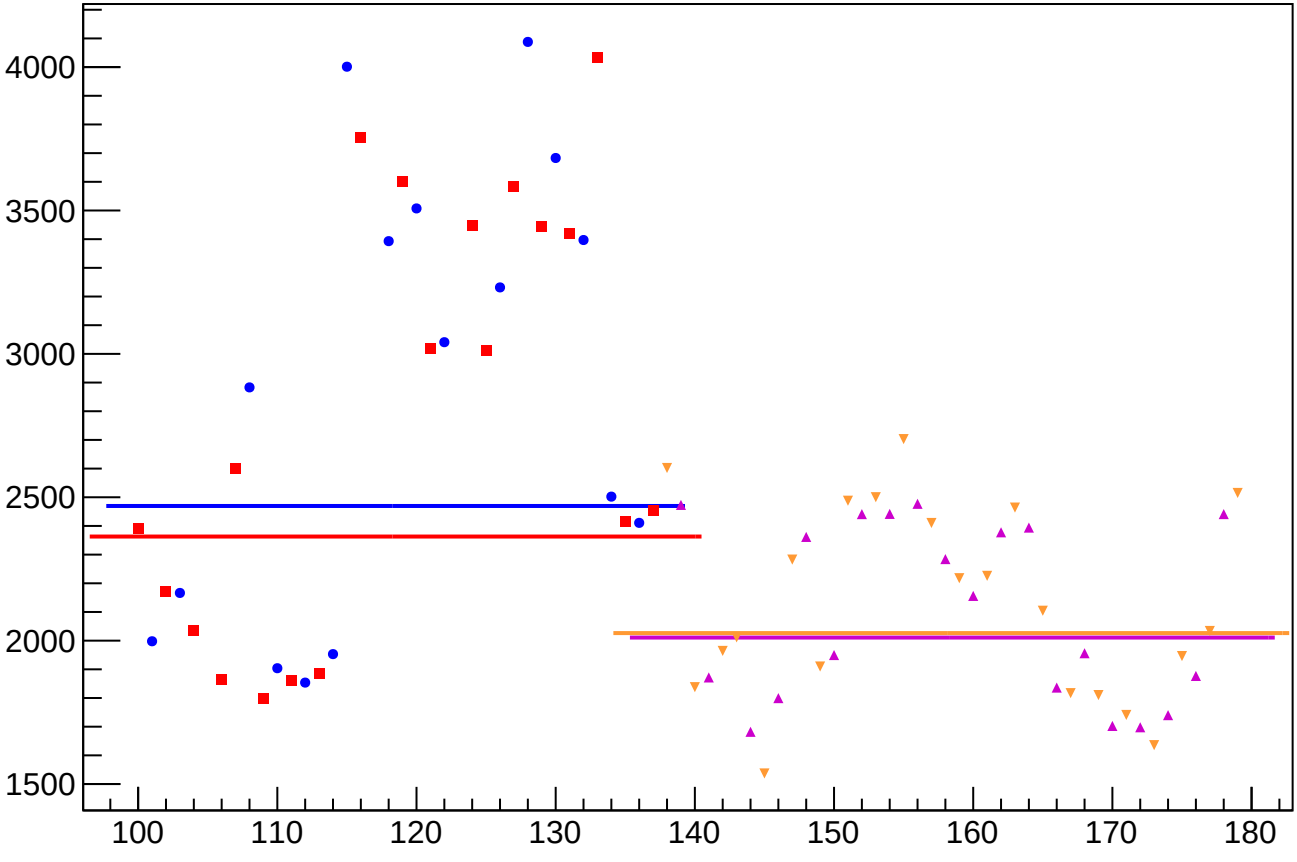
Left In: 165.572+/-504.362 χ^2/NDF:20.2/19

+ sign 2412.357+/-437.356 χ^2/NDF: 73.4/37

All: 1508.813+/-310.170 χ^2/NDF: 118.0/76

- sign 594.525+/-439.949 χ^2/NDF: 36.1/38

asym_sam4_rms vs Slug



Right In: 2469.639+/-0.674 χ^2/NDF: 886179.0/15

Left Out: 2026.382+/-0.348 χ^2/NDF:865656.2/21

Right Out: 2363.052+/-0.636 χ^2/NDF: 1043344.3/18

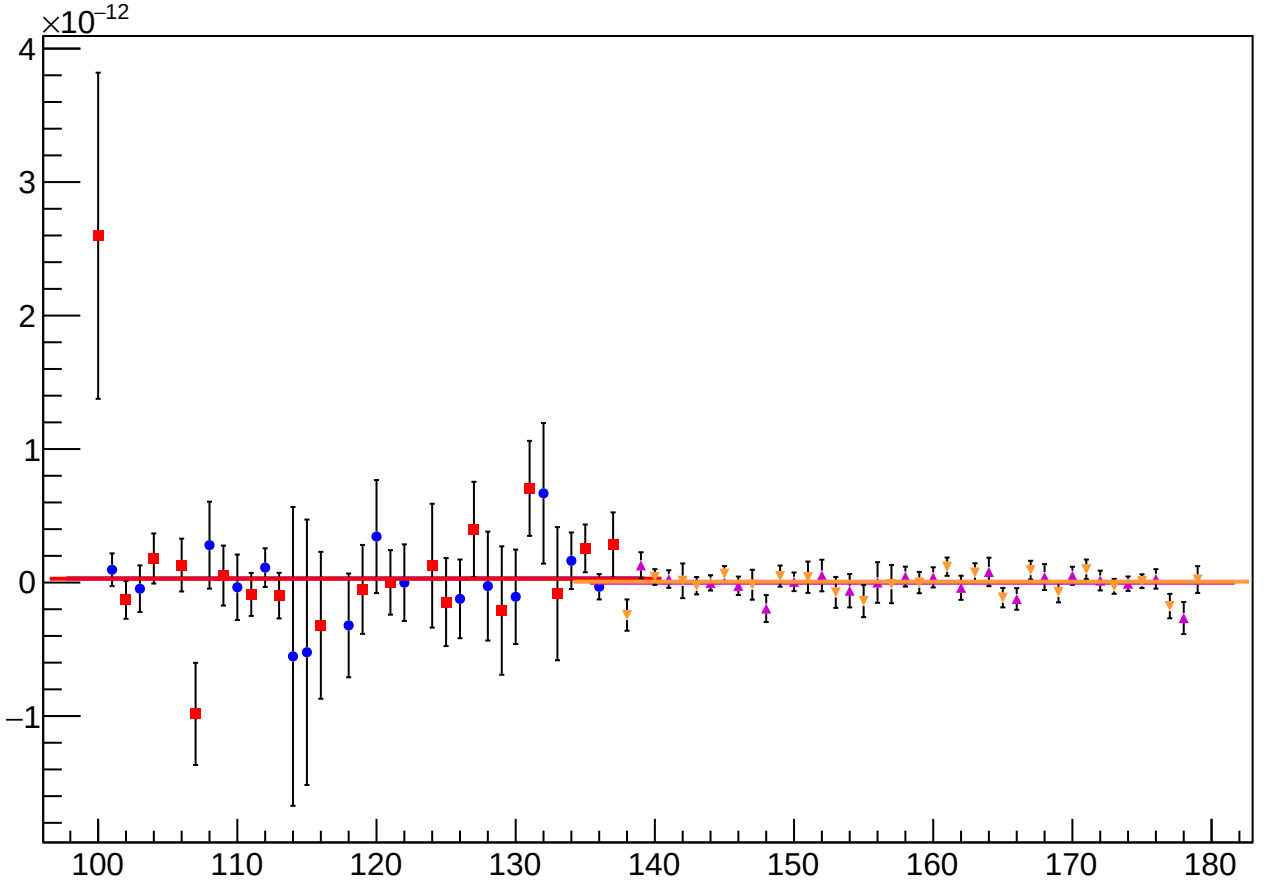
Left In: 2010.767+/-0.357 χ^2/NDF:683152.6/19

+ sign 2119.786+/-0.309 χ^2/NDF: 2093507.8/37

All: 2107.468+/-0.219 χ^2/NDF: 4056510.7/76

- sign 2095.004+/-0.311 χ^2/NDF: 1959811.0/38

asym_sam4_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 6.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:23.4/21

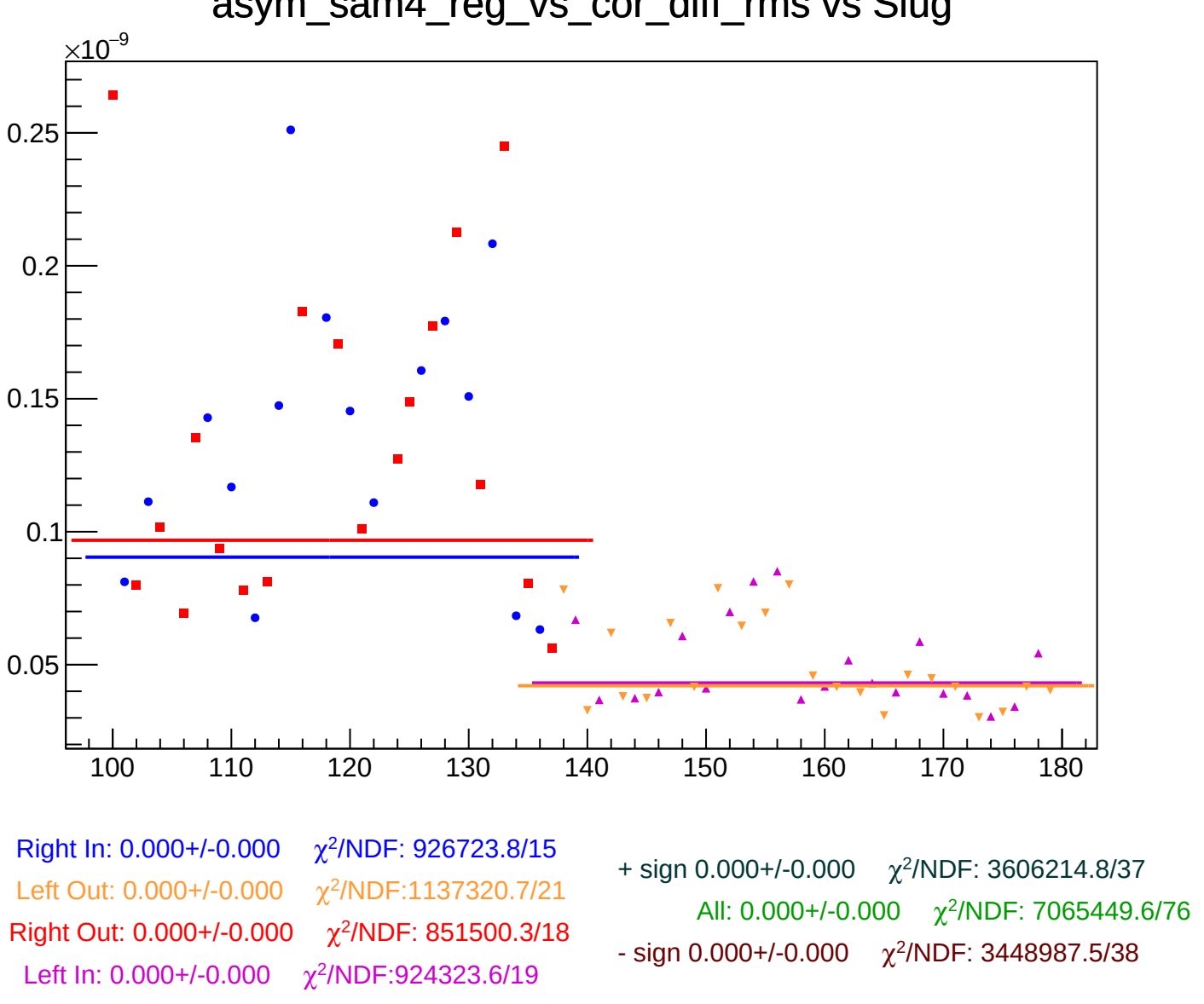
Right Out: 0.000+/-0.000 χ^2/NDF: 23.2/18

Left In: -0.000+/-0.000 χ^2/NDF:15.7/19

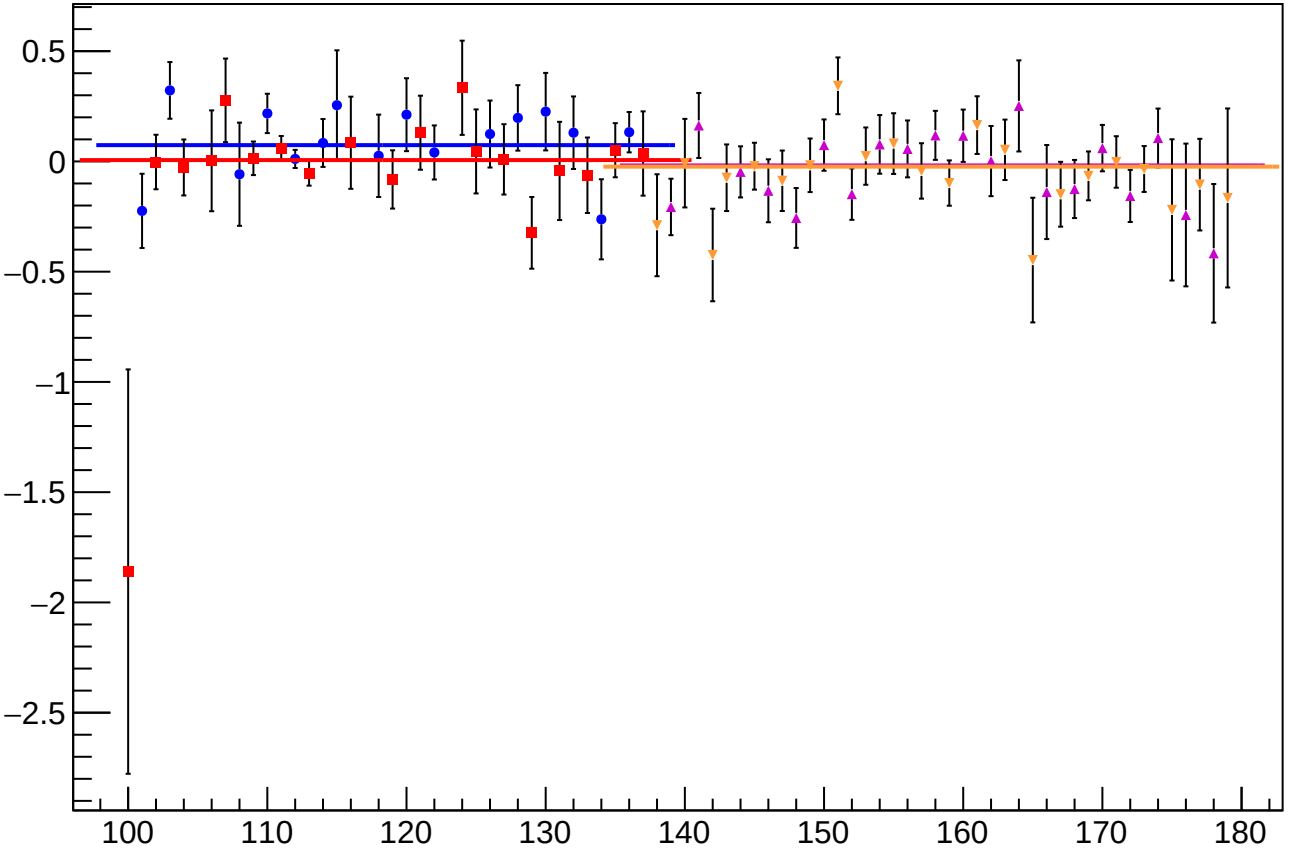
+ sign 0.000+/-0.000 χ^2/NDF: 29.7/37

All: 0.000+/-0.000 χ^2/NDF: 69.0/76

- sign 0.000+/-0.000 χ^2/NDF: 39.2/38


asym_sam4_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.25
0.2
0.15
0.1
0.05
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 926723.8/15
Left Out: 0.000+/-0.000 χ²/NDF:1137320.7/21
Right Out: 0.000+/-0.000 χ²/NDF: 851500.3/18
Left In: 0.000+/-0.000 χ²/NDF:924323.6/19
+ sign 0.000+/-0.000 χ²/NDF: 3606214.8/37
All: 0.000+/-0.000 χ²/NDF: 7065449.6/76
- sign 0.000+/-0.000 χ²/NDF: 3448987.5/38

asym_sam4_dit_vs_cor_diff_mean vs Slug



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.024+/-0.030 χ^2/NDF:20.9/21

Right Out: 0.006+/-0.027 χ^2/NDF: 16.4/18

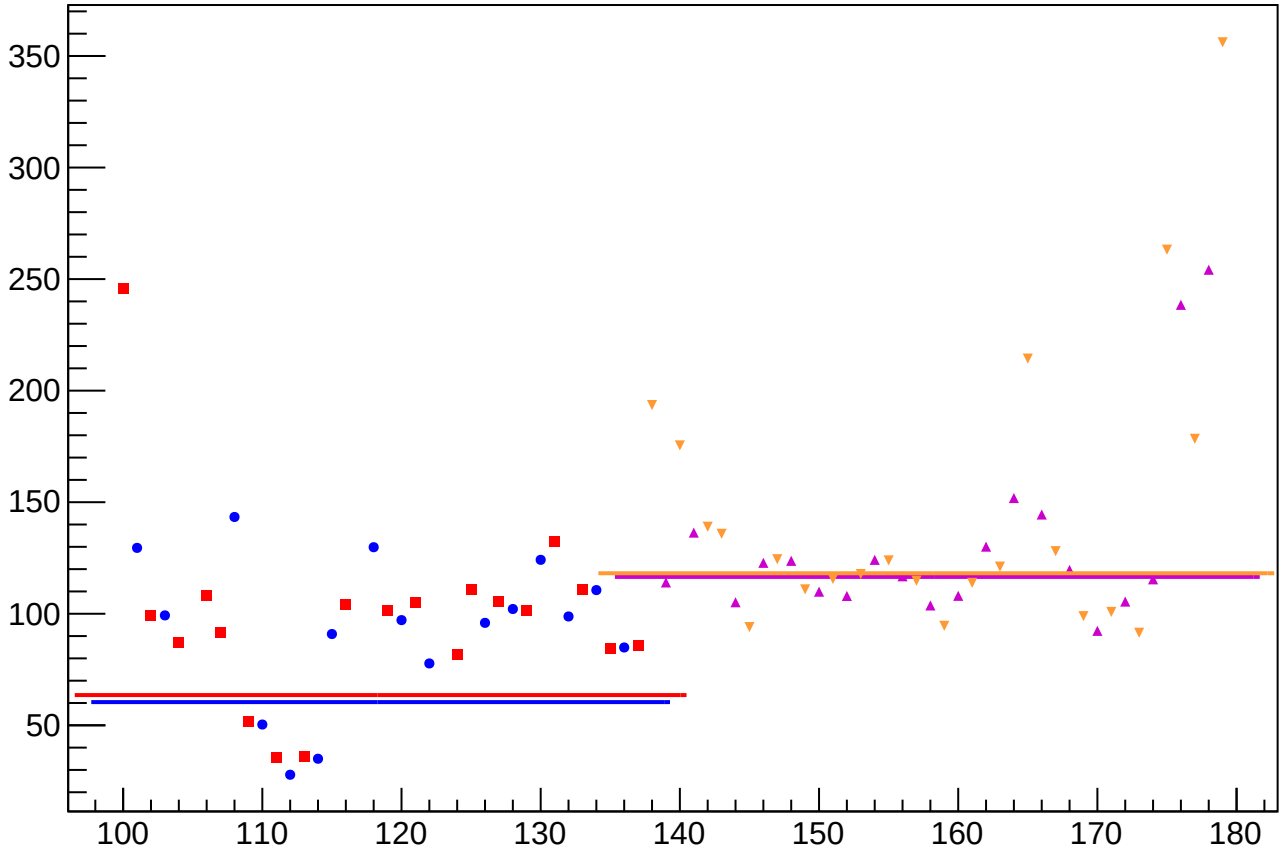
Left In: -0.018+/-0.030 χ^2/NDF:20.6/19

+ sign 0.030+/-0.020 χ^2/NDF: 45.7/37

All: 0.013+/-0.014 χ^2/NDF: 84.5/76

- sign -0.004+/-0.020 χ^2/NDF: 37.3/38

asym_sam4_dit_vs_cor_diff_rms vs Slug



Right In: 60.401+/-0.019 χ^2/NDF: 3538126.0/15

Left Out: 118.152+/-0.021 χ^2/NDF:2393476.6/21

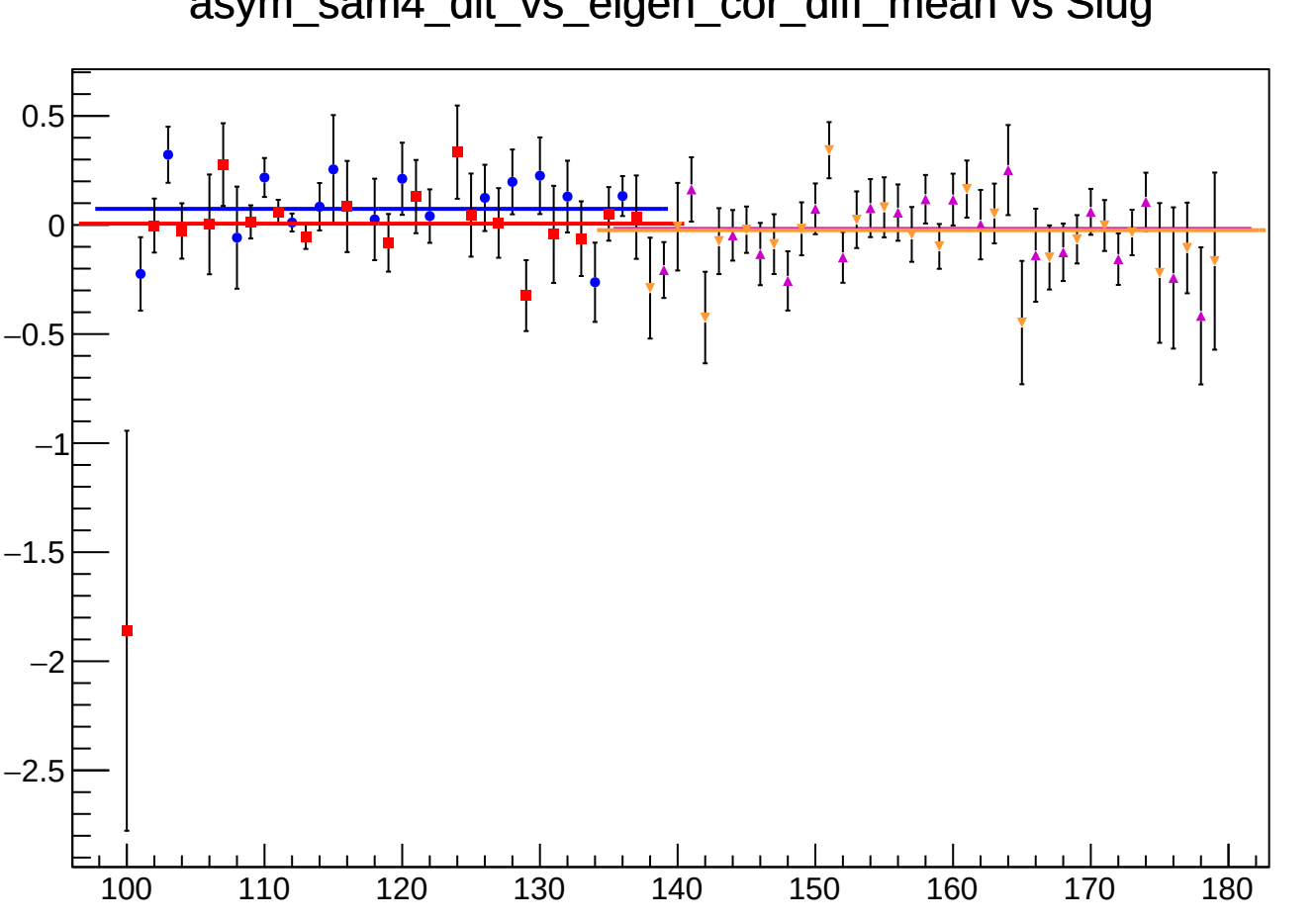
Right Out: 63.553+/-0.019 χ^2/NDF: 2654516.9/18

Left In: 116.518+/-0.022 χ^2/NDF:1025865.2/19

\+ sign 86.198+/-0.014 χ^2/NDF: 10015149.5/37

All: 86.463+/-0.010 χ^2/NDF: 17106695.4/76

\- sign 86.730+/-0.014 χ^2/NDF: 7090845.6/38



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.024+/-0.030 χ^2/NDF:20.9/21

Right Out: 0.006+/-0.027 χ^2/NDF: 16.4/18

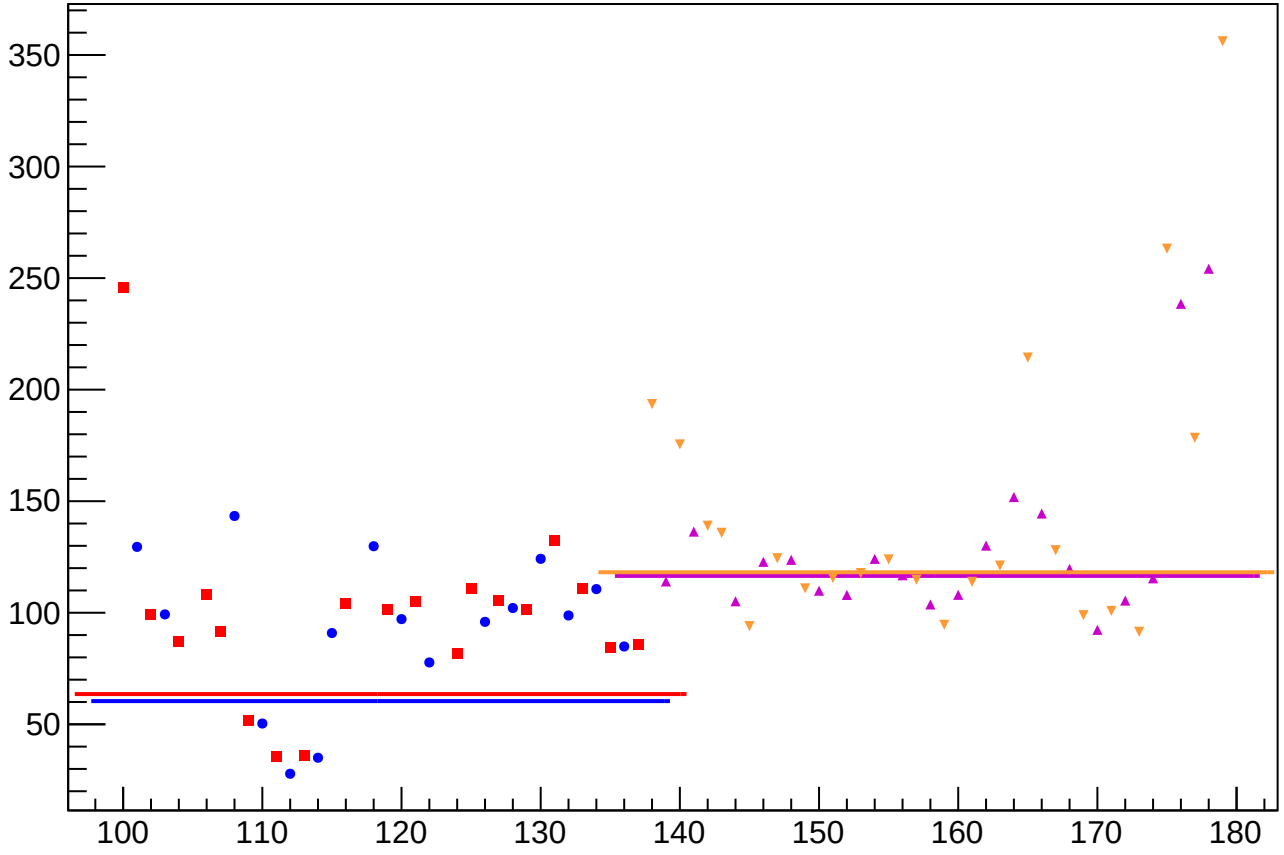
Left In: -0.018+/-0.030 χ^2/NDF:20.6/19

+ sign 0.030+/-0.020 χ^2/NDF: 45.7/37

All: 0.013+/-0.014 χ^2/NDF: 84.5/76

- sign -0.004+/-0.020 χ^2/NDF: 37.3/38

asym_sam4_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 60.401+/-0.019 χ^2/NDF: 3538126.0/15

Left Out: 118.152+/-0.021 χ^2/NDF:2393476.6/21

Right Out: 63.553+/-0.019 χ^2/NDF: 2654516.9/18

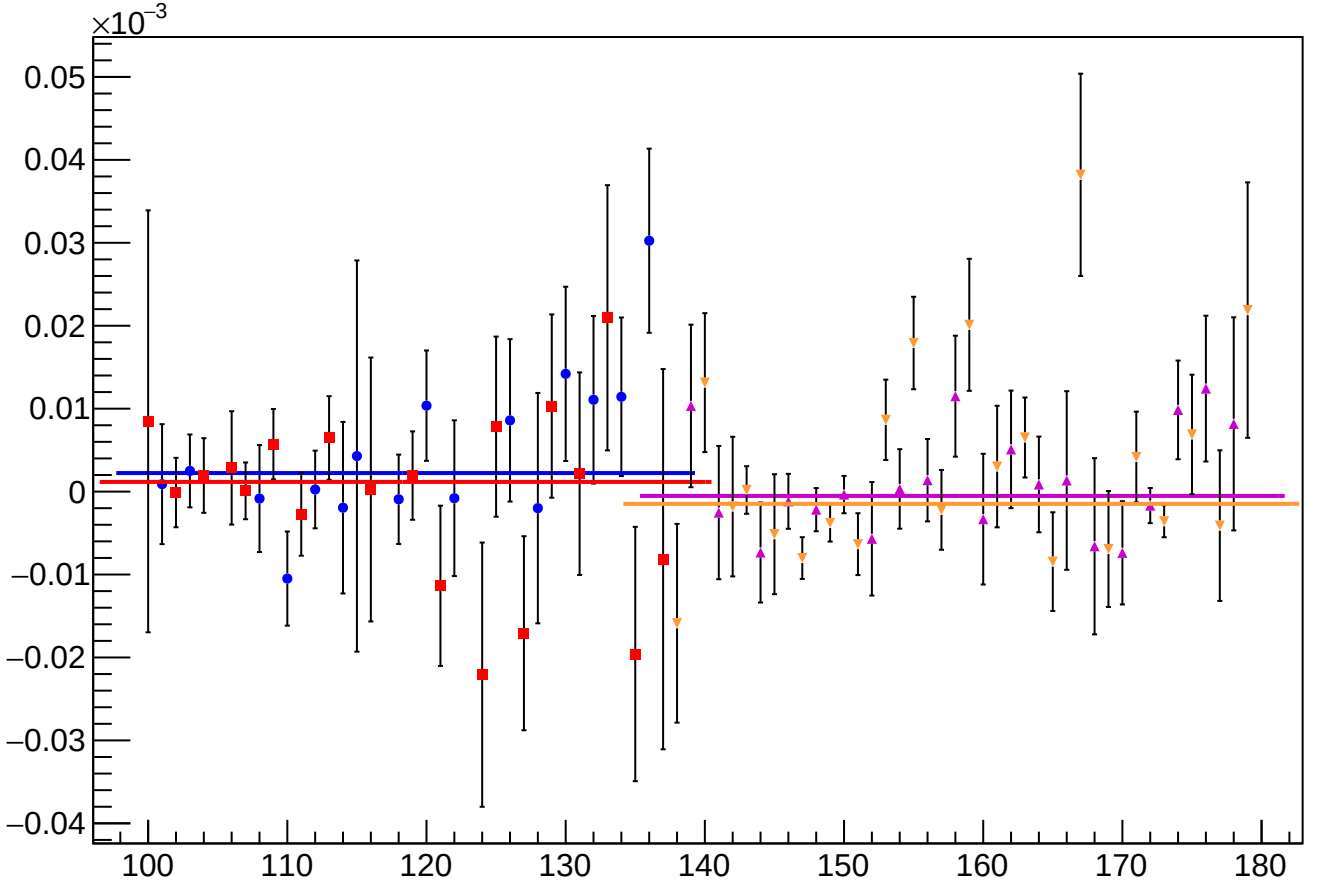
Left In: 116.518+/-0.022 χ^2/NDF:1025865.2/19

\+ sign 86.198+/-0.014 χ^2/NDF: 10015149.5/37

All: 86.463+/-0.010 χ^2/NDF: 17106695.4/76

\- sign 86.730+/-0.014 χ^2/NDF: 7090845.6/38

asym_sam4_eigen_dit_vs_dit_diff_mean vs Slug



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

Left Out: -0.000+/-0.000 χ^2/NDF:60.1/21

Right Out: 0.000+/-0.000 χ^2/NDF: 14.1/18

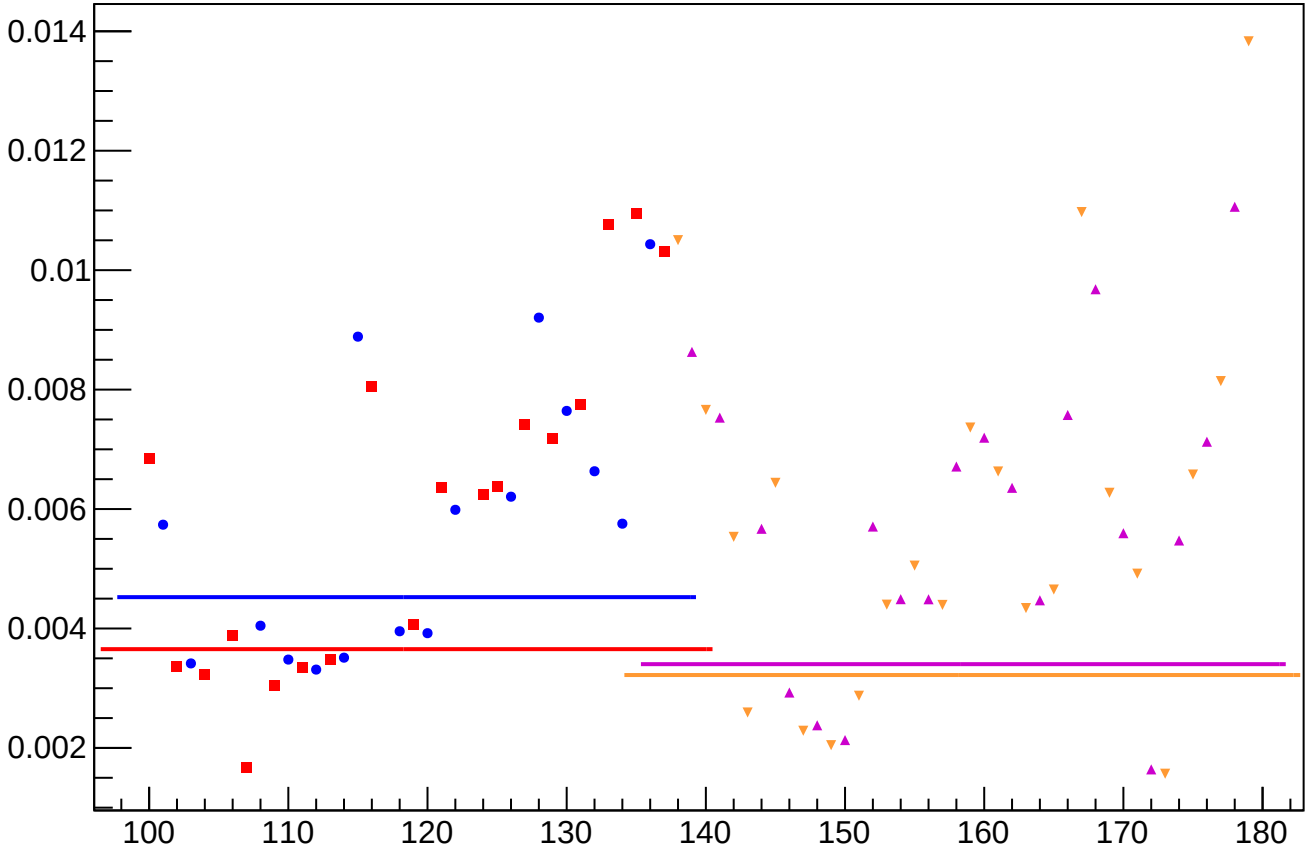
Left In: -0.000+/-0.000 χ^2/NDF:14.8/19

+ sign -0.000+/-0.000 χ^2/NDF: 80.9/37

All: -0.000+/-0.000 χ^2/NDF: 111.1/76

- sign 0.000+/-0.000 χ^2/NDF: 29.8/38

asym_sam4_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 1721333.3/15

Left Out: 0.003+/-0.000 χ^2/NDF:9256218.1/21

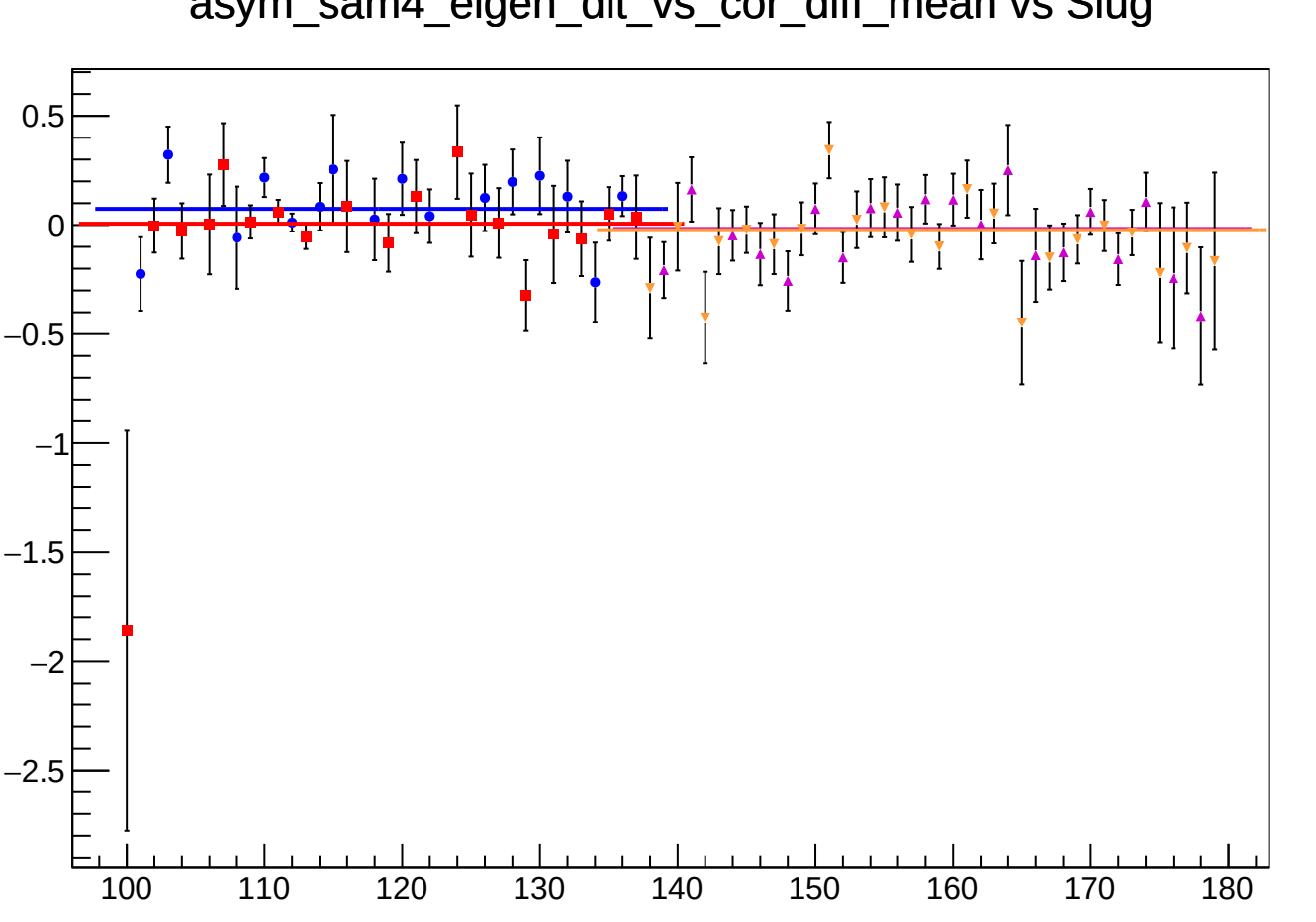
Right Out: 0.004+/-0.000 χ^2/NDF: 2933246.9/18

Left In: 0.003+/-0.000 χ^2/NDF:8022278.5/19

+ sign 0.003+/-0.000 χ^2/NDF: 11803525.2/37

All: 0.003+/-0.000 χ^2/NDF: 22797865.1/76

- sign 0.003+/-0.000 χ^2/NDF: 10994294.4/38



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.024+/-0.030 χ^2/NDF:20.9/21

Right Out: 0.006+/-0.027 χ^2/NDF: 16.4/18

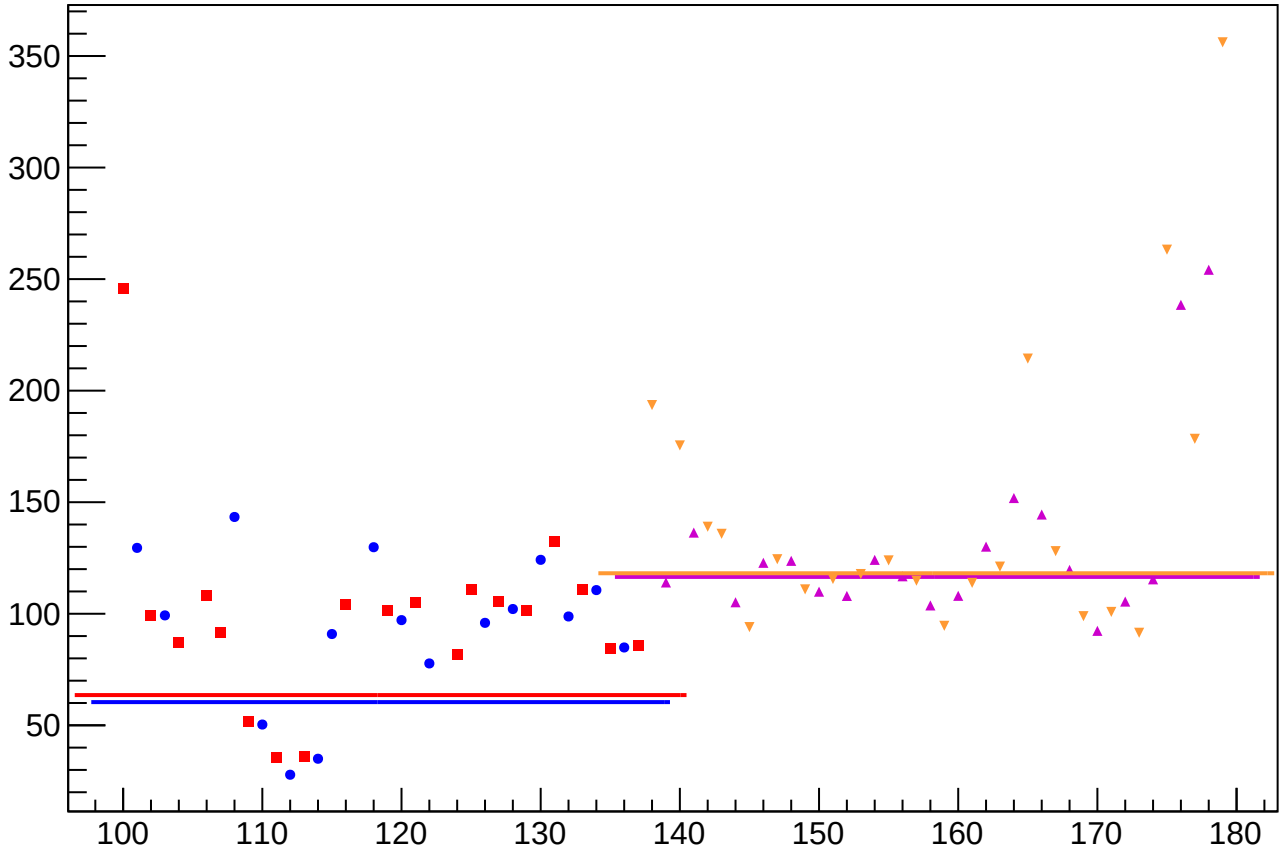
Left In: -0.018+/-0.030 χ^2/NDF:20.6/19

+ sign 0.030+/-0.020 χ^2/NDF: 45.7/37

All: 0.013+/-0.014 χ^2/NDF: 84.5/76

- sign -0.004+/-0.020 χ^2/NDF: 37.3/38

asym_sam4_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 60.399+/-0.019 χ^2/NDF: 3538382.9/15

Left Out: 118.153+/-0.021 χ^2/NDF:2393434.0/21

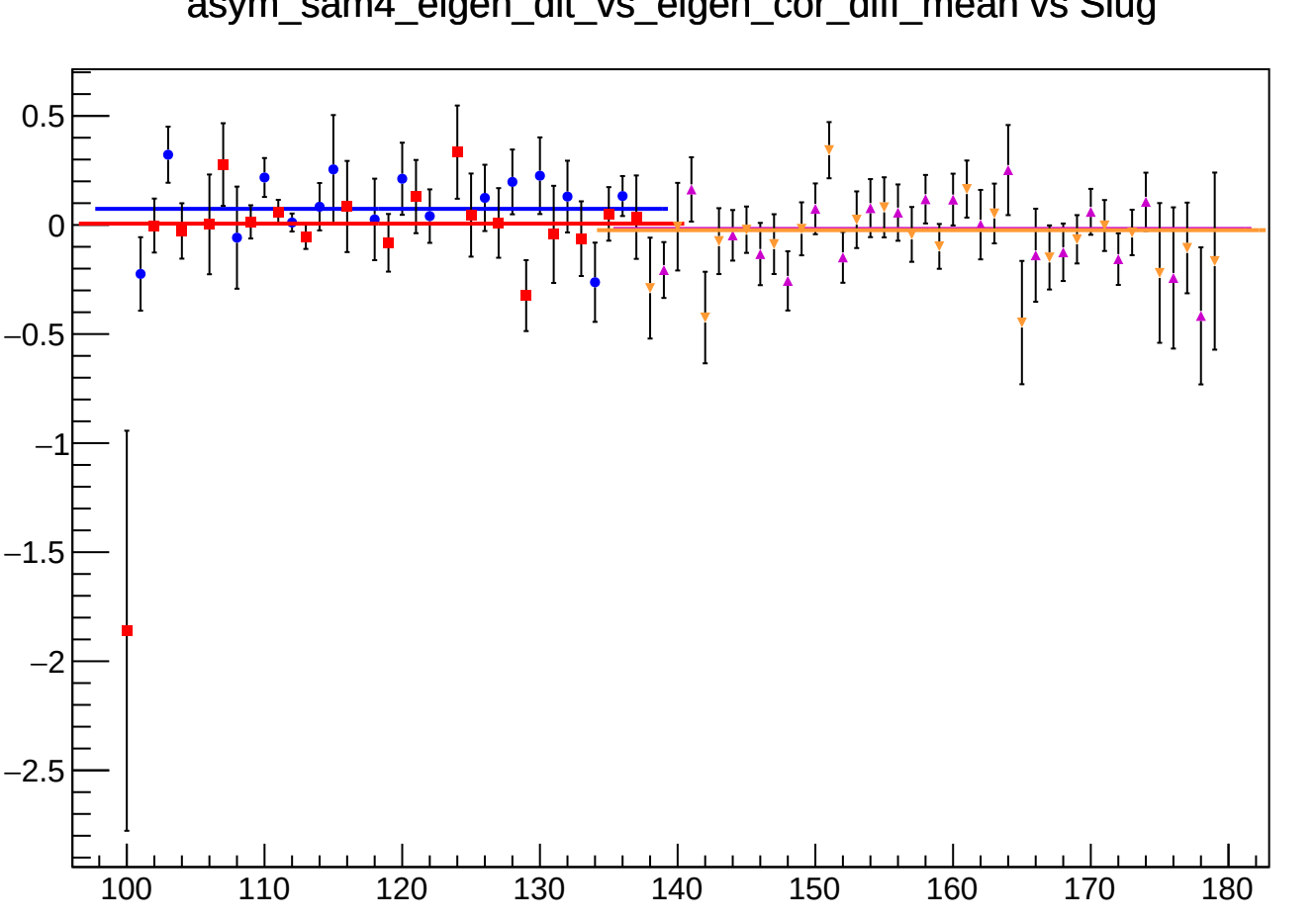
Right Out: 63.551+/-0.019 χ^2/NDF: 2654786.8/18

Left In: 116.519+/-0.022 χ^2/NDF:1025822.2/19

+ sign 86.196+/-0.014 χ^2/NDF: 10015841.8/37

All: 86.462+/-0.010 χ^2/NDF: 17107987.5/76

- sign 86.729+/-0.014 χ^2/NDF: 7091444.6/38



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.024+/-0.030 χ^2/NDF:20.9/21

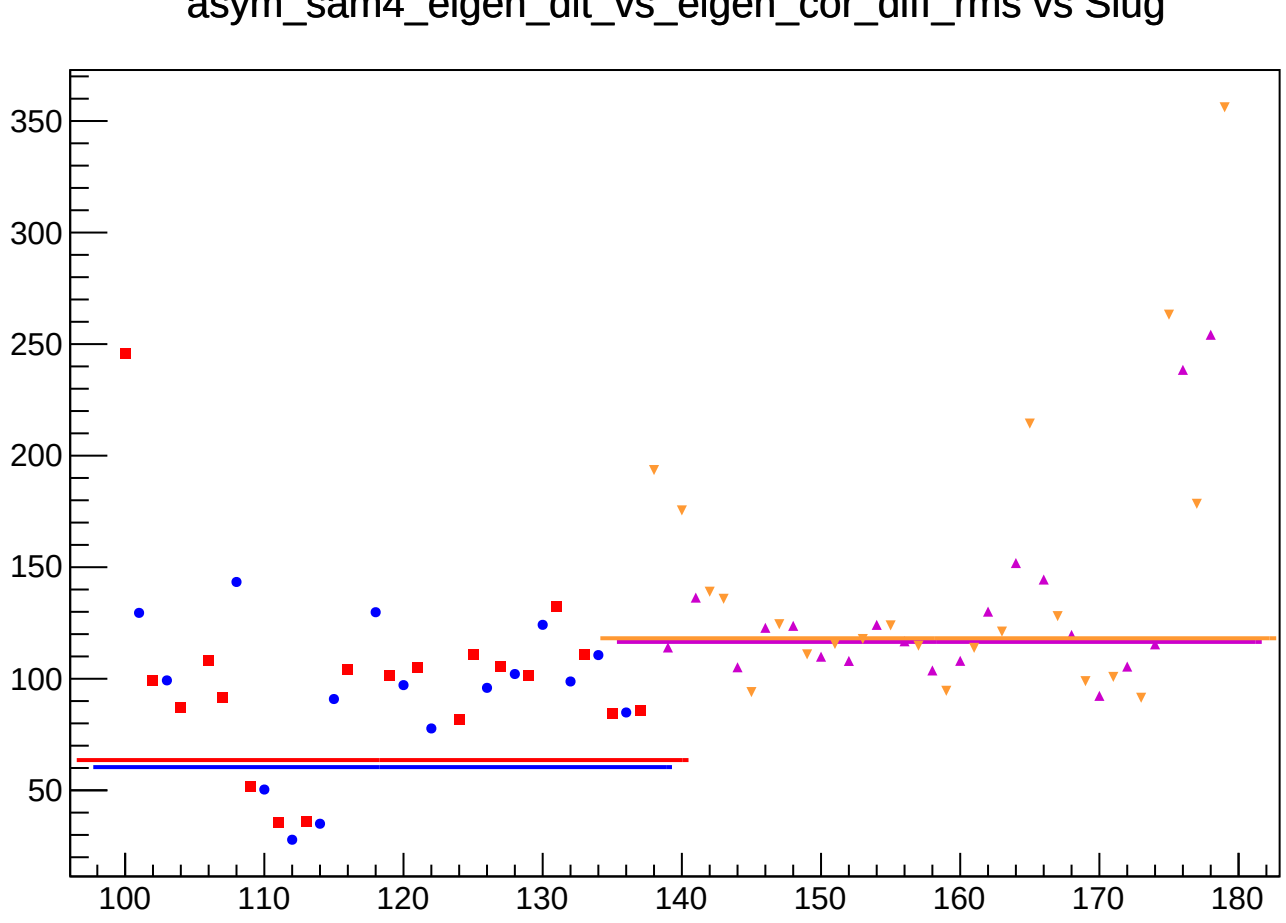
Right Out: 0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: -0.018+/-0.030 χ^2/NDF:20.6/19

+ sign 0.030+/-0.020 χ^2/NDF: 45.7/37

All: 0.013+/-0.014 χ^2/NDF: 84.5/76

- sign -0.004+/-0.020 χ^2/NDF: 37.3/38



Right In: 60.399+/-0.019 χ^2/NDF: 3538382.9/15

Left Out: 118.153+/-0.021 χ^2/NDF:2393434.0/21

Right Out: 63.551+/-0.019 χ^2/NDF: 2654786.8/18

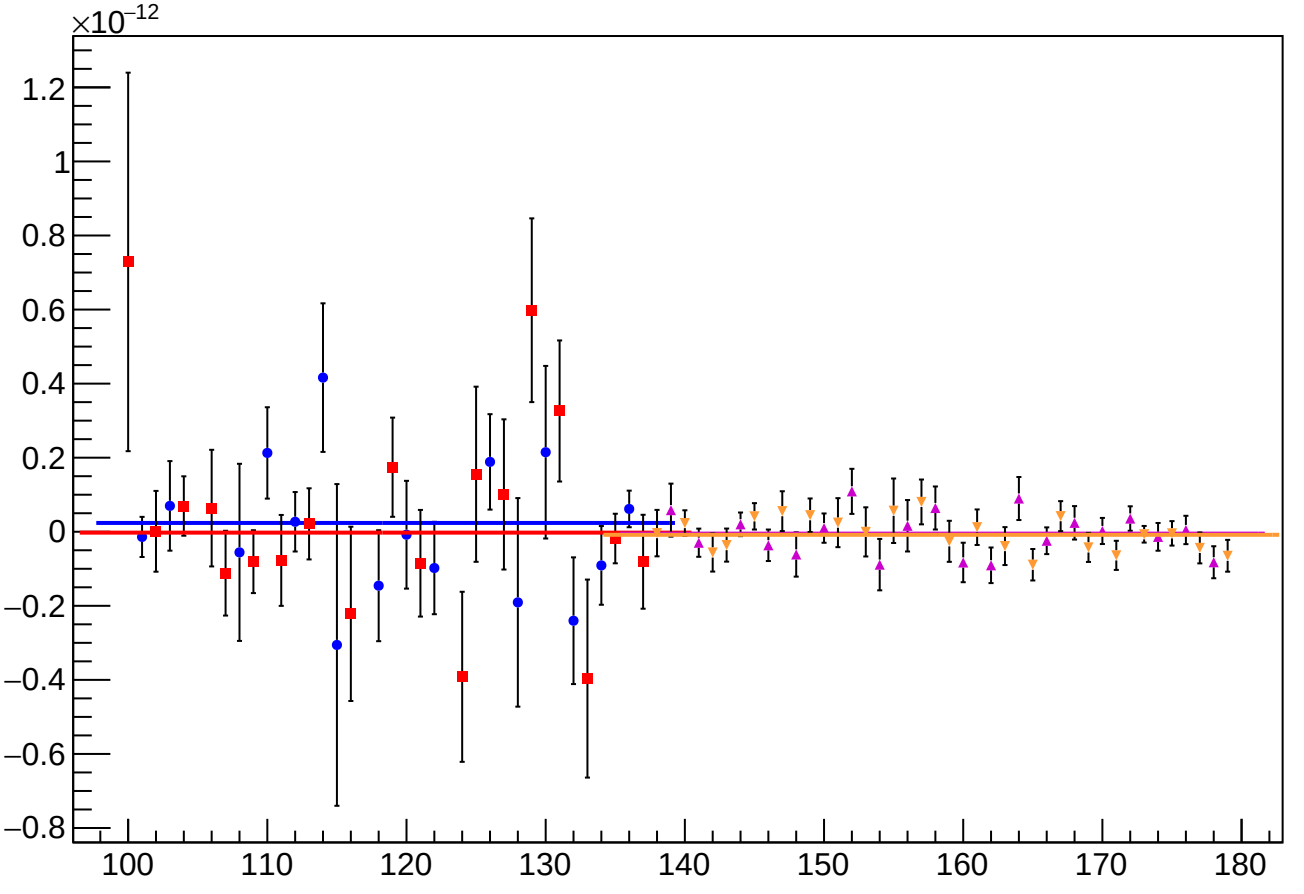
Left In: 116.519+/-0.022 χ^2/NDF:1025822.2/19

+ sign 86.196+/-0.014 χ^2/NDF: 10015841.8/37

All: 86.462+/-0.010 χ^2/NDF: 17107987.5/76

- sign 86.729+/-0.014 χ^2/NDF: 7091444.6/38

asym_sam4_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 16.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.8/21

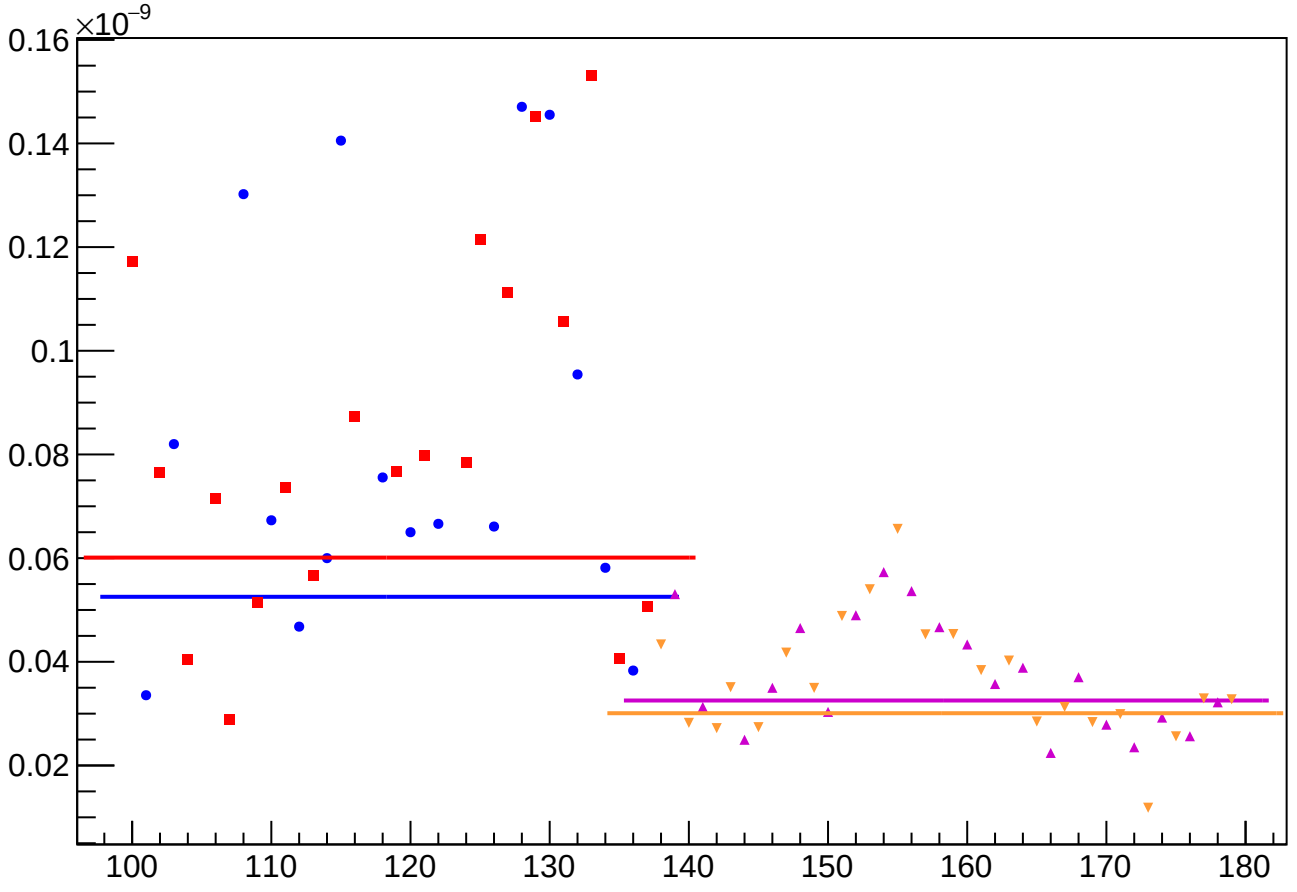
Right Out: -0.000+/-0.000 χ^2/NDF: 23.2/18

Left In: -0.000+/-0.000 χ^2/NDF:23.4/19

+ sign -0.000+/-0.000 χ^2/NDF: 38.9/37

All: -0.000+/-0.000 χ^2/NDF: 85.6/76

- sign -0.000+/-0.000 χ^2/NDF: 46.6/38



Right In: 0.000+/-0.000 χ^2/NDF: 1649207.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:2808139.3/21

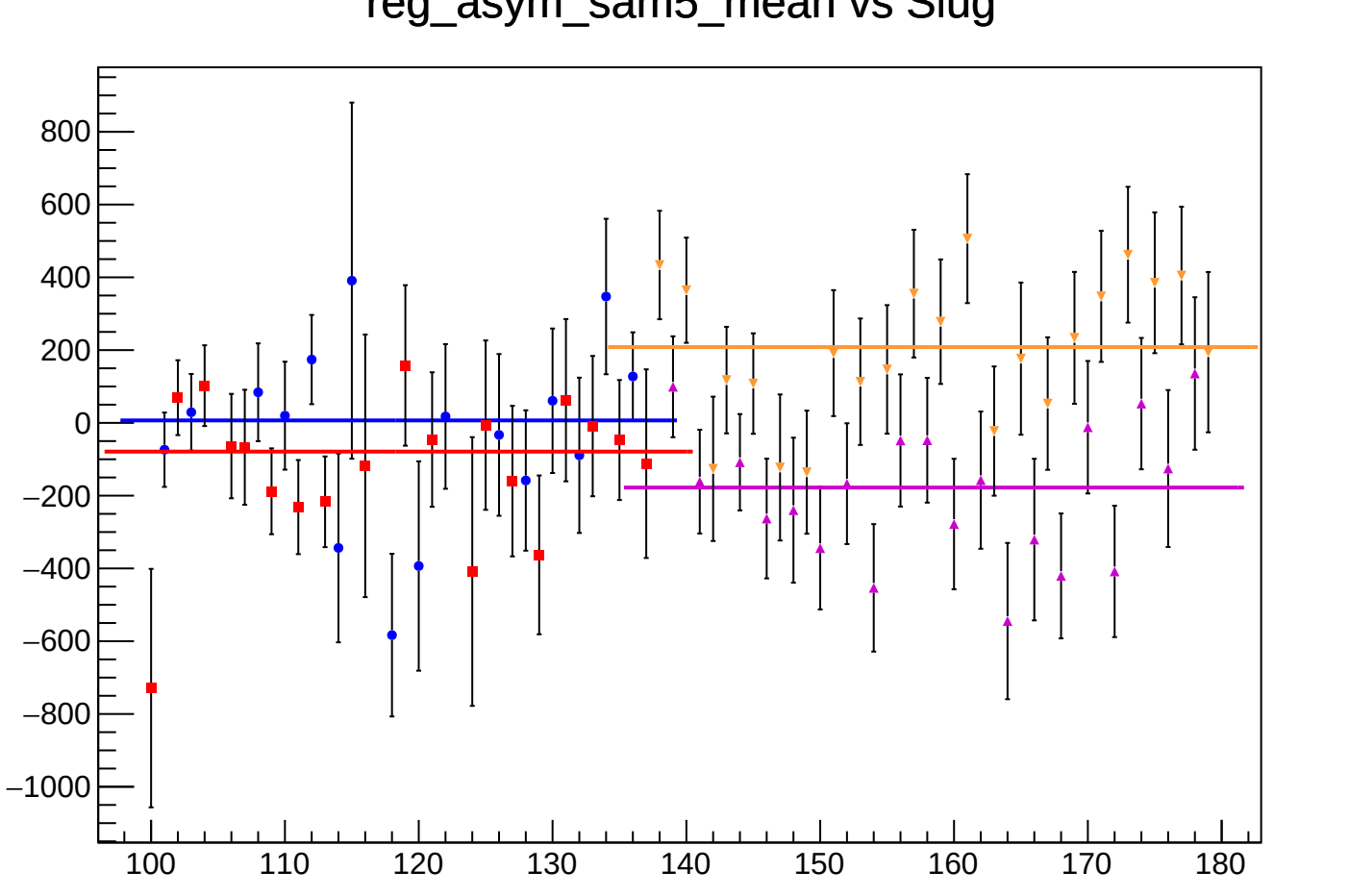
Right Out: 0.000+/-0.000 χ^2/NDF: 1539049.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1660048.5/19

+ sign 0.000+/-0.000 χ^2/NDF: 5768893.6/37

All: 0.000+/-0.000 χ^2/NDF: 10706839.1/76

- sign 0.000+/-0.000 χ^2/NDF: 4832775.3/38



Right In: 6.811+/-40.353 χ^2/NDF: 18.8/15

Left Out: 208.255+/-37.156 χ^2/NDF:25.0/21

Right Out: -78.883+/-37.906 χ^2/NDF: 16.7/18

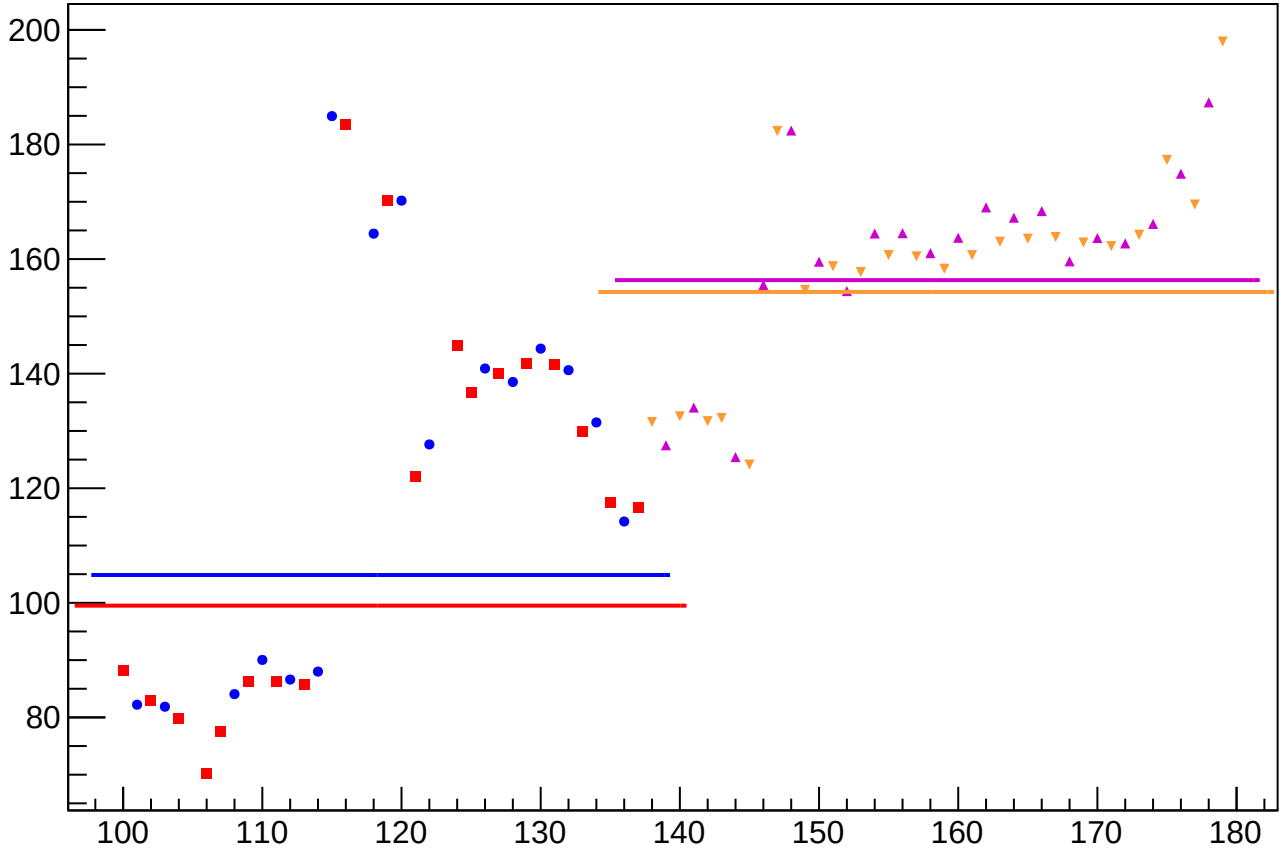
Left In: -177.778+/-38.928 χ^2/NDF:21.2/19

\+ sign 115.828+/-27.334 χ^2/NDF: 57.3/37

All: -6.378+/-19.265 χ^2/NDF: 138.2/76

\- sign -127.015+/-27.158 χ^2/NDF: 41.2/38

reg_asym_sam5_rms vs Slug



Right In: 104.860+/-0.029 χ^2/NDF: 931228.4/15

Left Out: 154.266+/-0.026 χ^2/NDF:456830.6/21

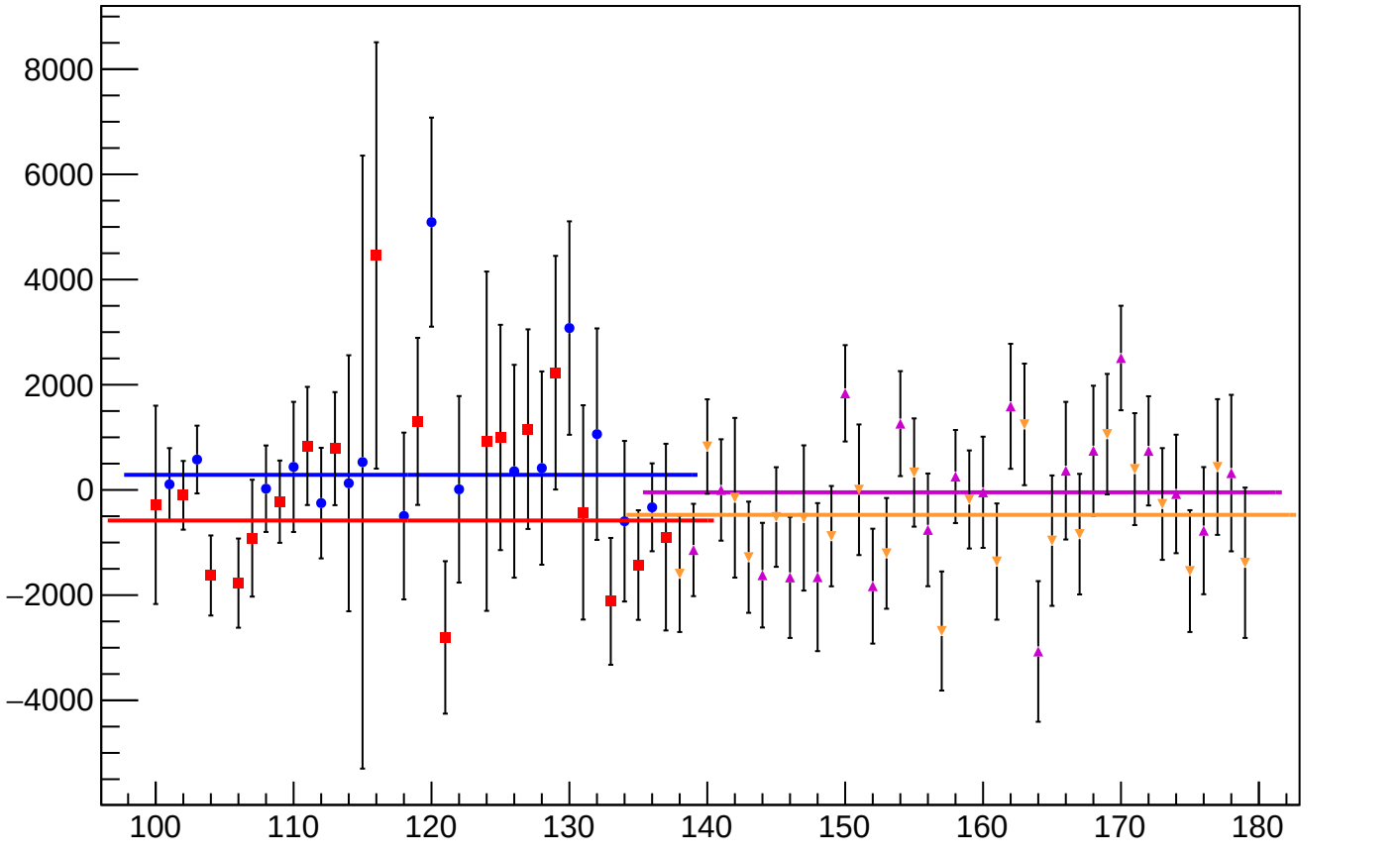
Right Out: 99.508+/-0.027 χ^2/NDF: 1039037.0/18

Left In: 156.322+/-0.028 χ^2/NDF:383893.2/19

+ sign 131.597+/-0.019 χ^2/NDF: 3010543.6/37

All: 129.364+/-0.014 χ^2/NDF: 6646728.7/76

- sign 127.159+/-0.019 χ^2/NDF: 3609652.0/38



Right In: 286.915+/-293.474 χ^2/NDF: 9.7/15

Left Out: -474.007+/-236.388 χ^2/NDF:16.4/21

Right Out: -581.217+/-269.775 χ^2/NDF: 18.8/18

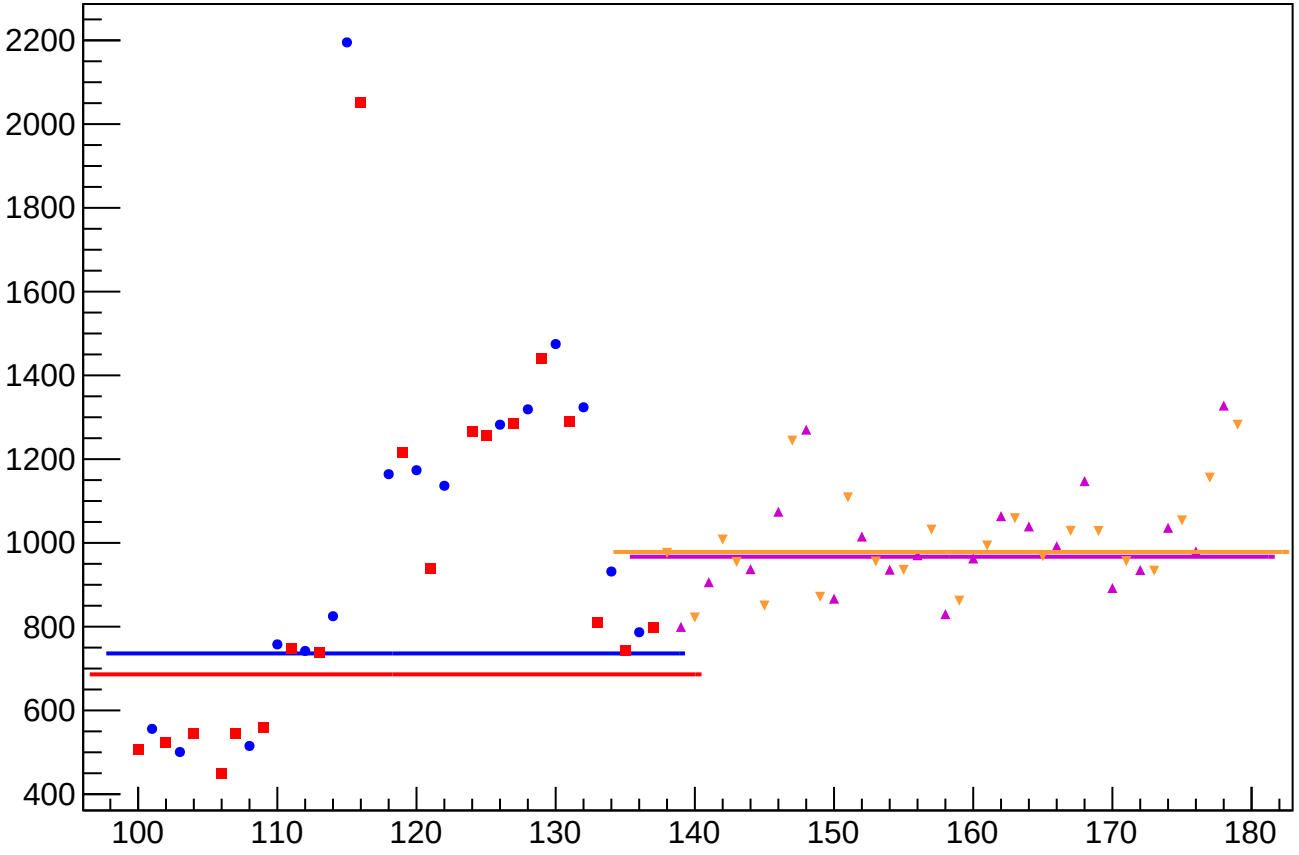
Left In: -45.160+/-241.877 χ^2/NDF:31.6/19

\+ sign -174.585+/-184.095 χ^2/NDF: 30.2/37

All: -230.519+/-128.736 χ^2/NDF: 83.0/76

\- sign -284.046+/-180.091 χ^2/NDF: 52.6/38

asym_sam5_reg_correction_rms vs Slug



Right In: 736.084+/-0.208 χ^2/NDF: 1844496.2/15

Left Out: 978.402+/-0.167 χ^2/NDF:419332.1/21

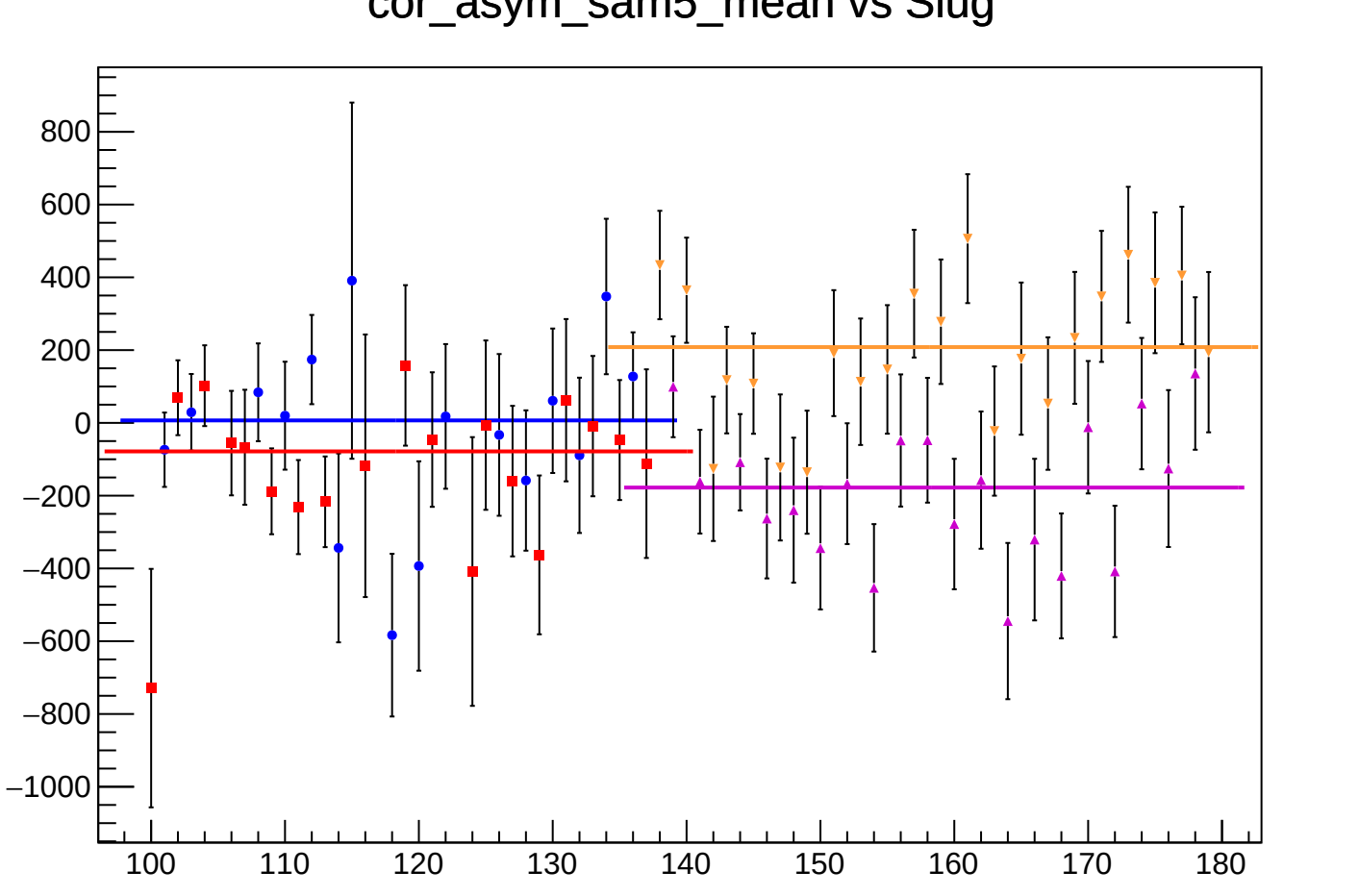
Right Out: 686.108+/-0.191 χ^2/NDF: 1819176.0/18

Left In: 966.958+/-0.171 χ^2/NDF:472029.1/19

+ sign 883.050+/-0.130 χ^2/NDF: 3090808.2/37

All: 861.972+/-0.091 χ^2/NDF: 6634948.9/76

- sign 841.801+/-0.127 χ^2/NDF: 3492832.8/38



Right In: 6.799+/-40.353 χ^2/NDF: 18.8/15

Left Out: 208.256+/-37.156 χ^2/NDF:25.0/21

Right Out: -78.347+/-37.909 χ^2/NDF: 16.7/18

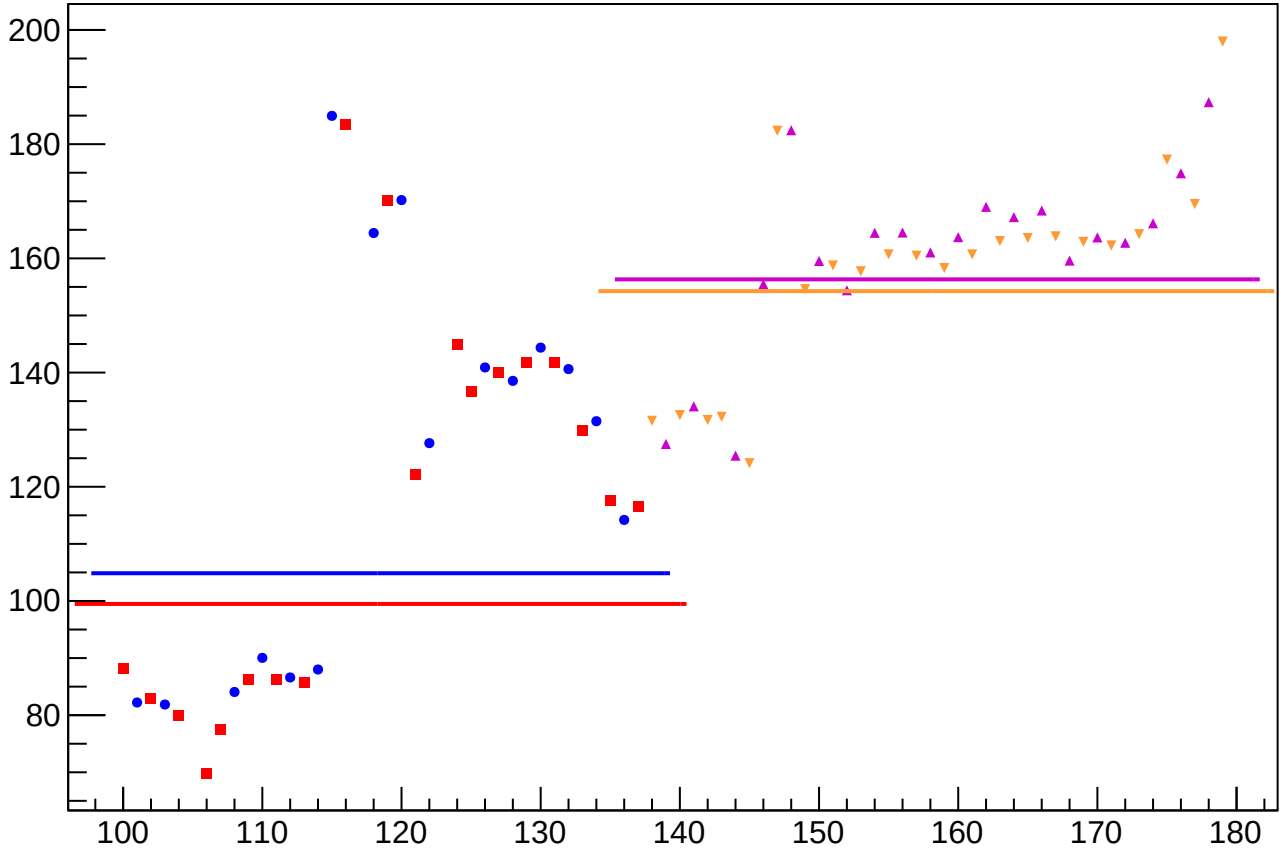
Left In: -177.782+/-38.928 χ^2/NDF:21.2/19

\+ sign 115.823+/-27.334 χ^2/NDF: 57.3/37

All: -6.240+/-19.266 χ^2/NDF: 138.2/76

\- sign -126.746+/-27.159 χ^2/NDF: 41.3/38

cor_asym_sam5_rms vs Slug



Right In: 104.860+/-0.029 χ^2/NDF: 931227.7/15

Left Out: 154.266+/-0.026 χ^2/NDF:456830.6/21

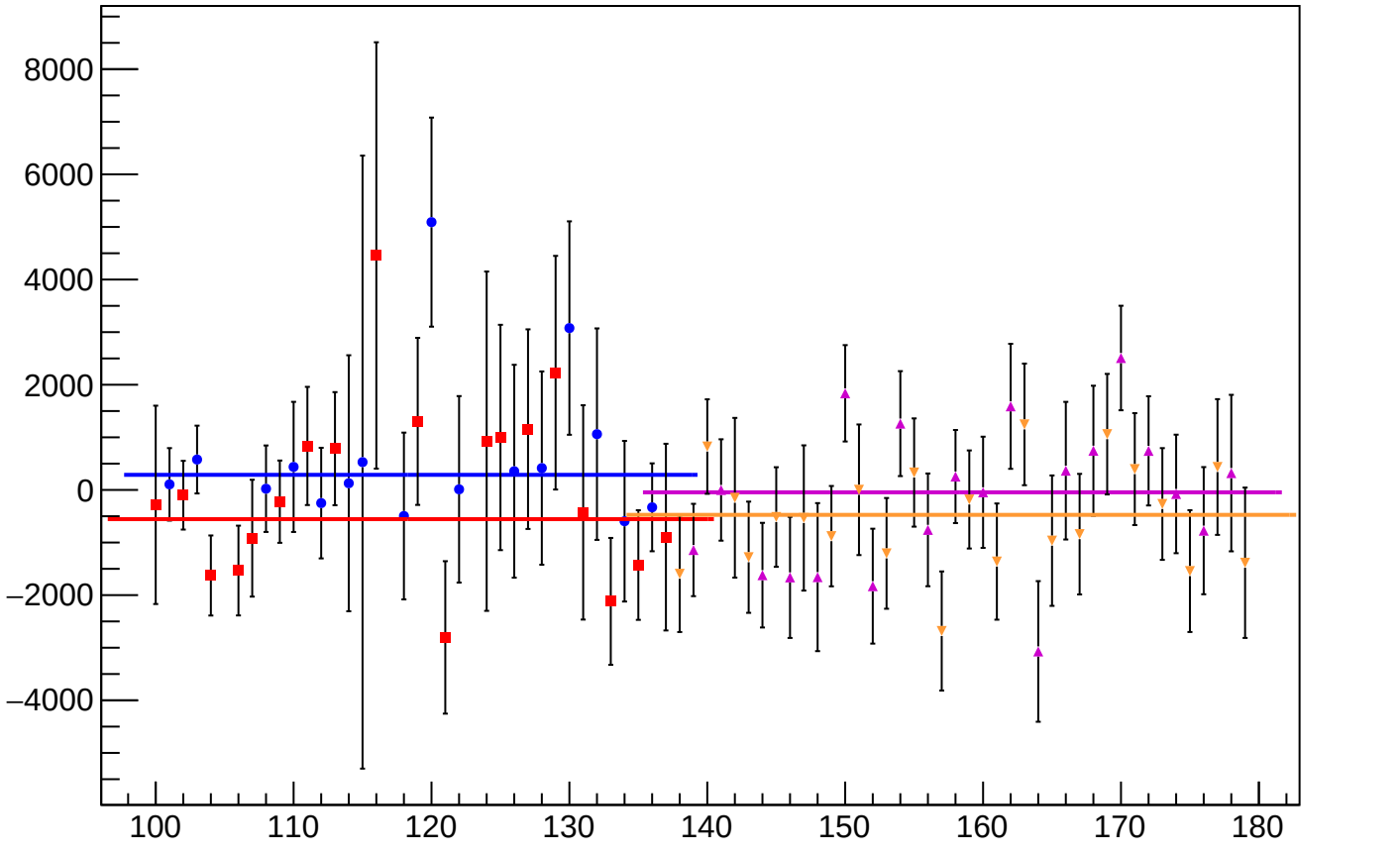
Right Out: 99.484+/-0.027 χ^2/NDF: 1041224.0/18

Left In: 156.322+/-0.028 χ^2/NDF:383893.3/19

+ sign 131.597+/-0.019 χ^2/NDF: 3010541.8/37

All: 129.359+/-0.014 χ^2/NDF: 6650724.1/76

- sign 127.149+/-0.019 χ^2/NDF: 3613527.4/38



Right In: 286.918+/-293.473 χ^2/NDF: 9.7/15

Left Out: -474.002+/-236.388 χ^2/NDF:16.4/21

Right Out: -555.436+/-269.953 χ^2/NDF: 18.0/18

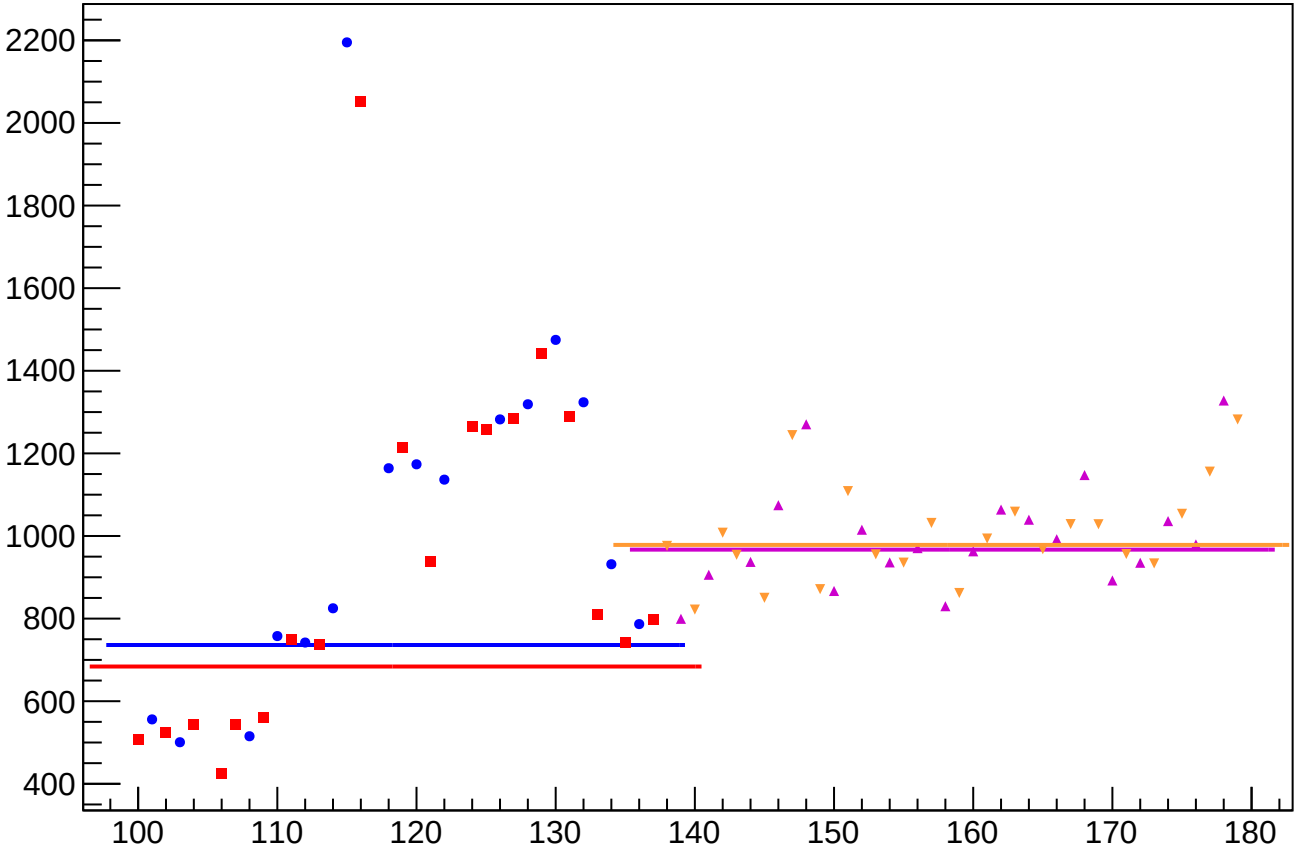
Left In: -45.161+/-241.877 χ^2/NDF:31.6/19

+ sign -174.580+/-184.095 χ^2/NDF: 30.2/37

All: -224.547+/-128.755 χ^2/NDF: 82.0/76

- sign -272.391+/-180.144 χ^2/NDF: 51.7/38

asym_sam5_cor_correction_rms vs Slug



Right In: 736.083+/-0.208 χ^2/NDF: 1844498.2/15

Left Out: 978.402+/-0.167 χ^2/NDF:419330.7/21

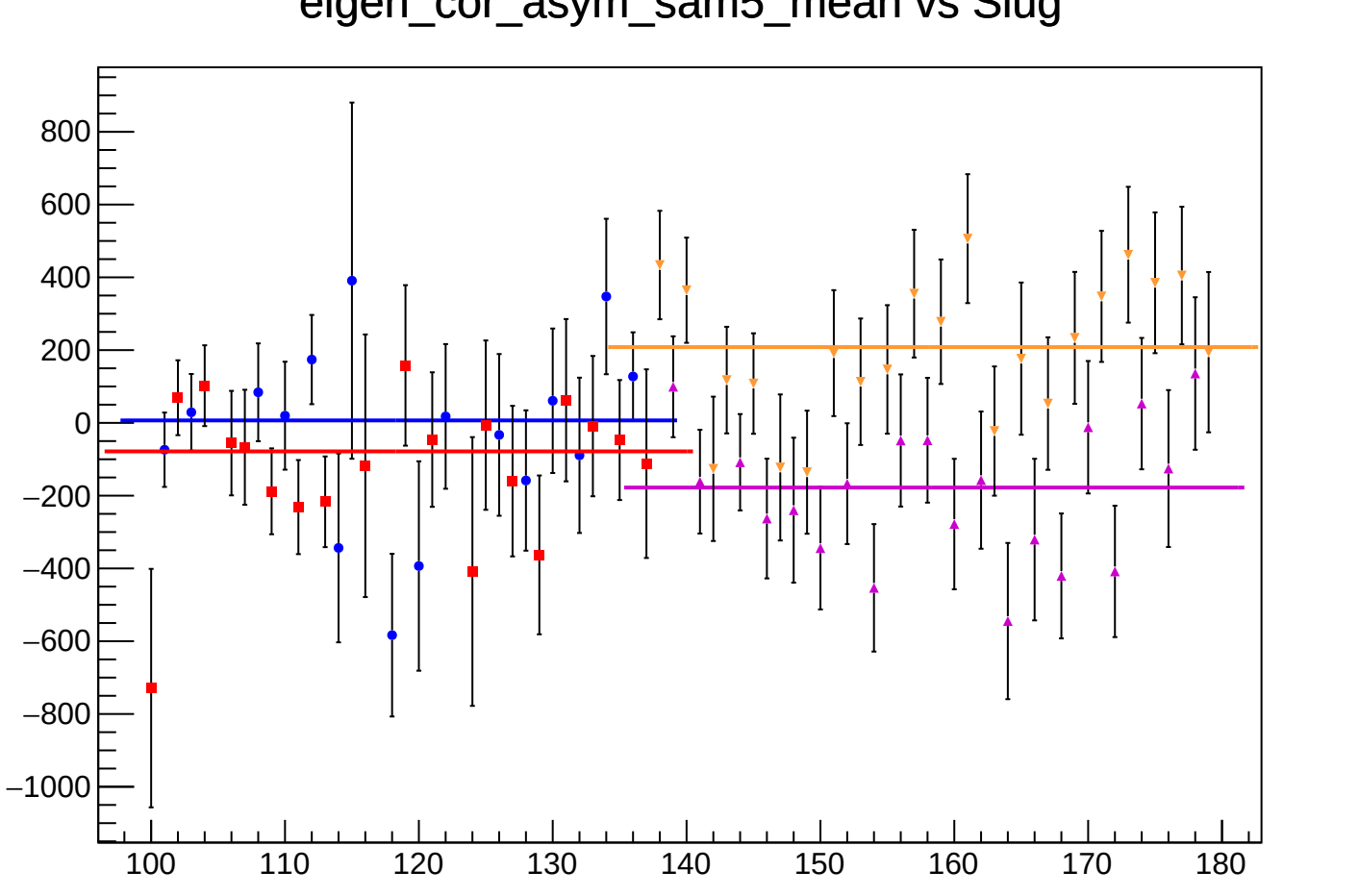
Right Out: 683.981+/-0.191 χ^2/NDF: 1850402.3/18

Left In: 966.958+/-0.171 χ^2/NDF:472032.2/19

+ sign 883.050+/-0.130 χ^2/NDF: 3090815.9/37

All: 861.541+/-0.091 χ^2/NDF: 6685702.3/76

- sign 840.945+/-0.127 χ^2/NDF: 3541443.1/38



Right In: 6.799+/-40.353 χ^2/NDF: 18.8/15

Left Out: 208.256+/-37.156 χ^2/NDF:25.0/21

Right Out: -78.347+/-37.909 χ^2/NDF: 16.7/18

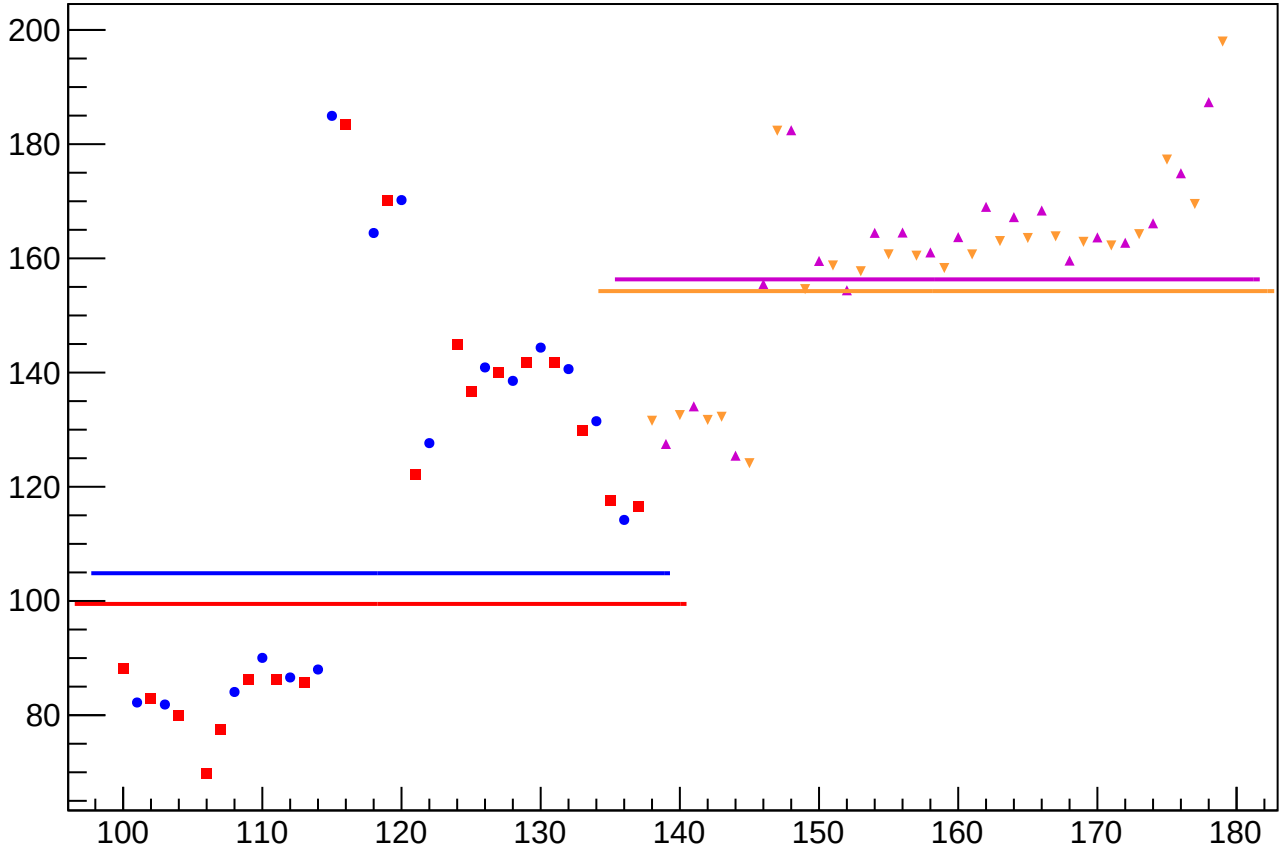
Left In: -177.782+/-38.928 χ^2/NDF:21.2/19

+ sign 115.823+/-27.334 χ^2/NDF: 57.3/37

All: -6.240+/-19.266 χ^2/NDF: 138.2/76

- sign -126.746+/-27.159 χ^2/NDF: 41.3/38

eigen_cor_asym_sam5_rms vs Slug



Right In: 104.860+/-0.029 χ^2/NDF: 931227.7/15

Left Out: 154.266+/-0.026 χ^2/NDF:456830.6/21

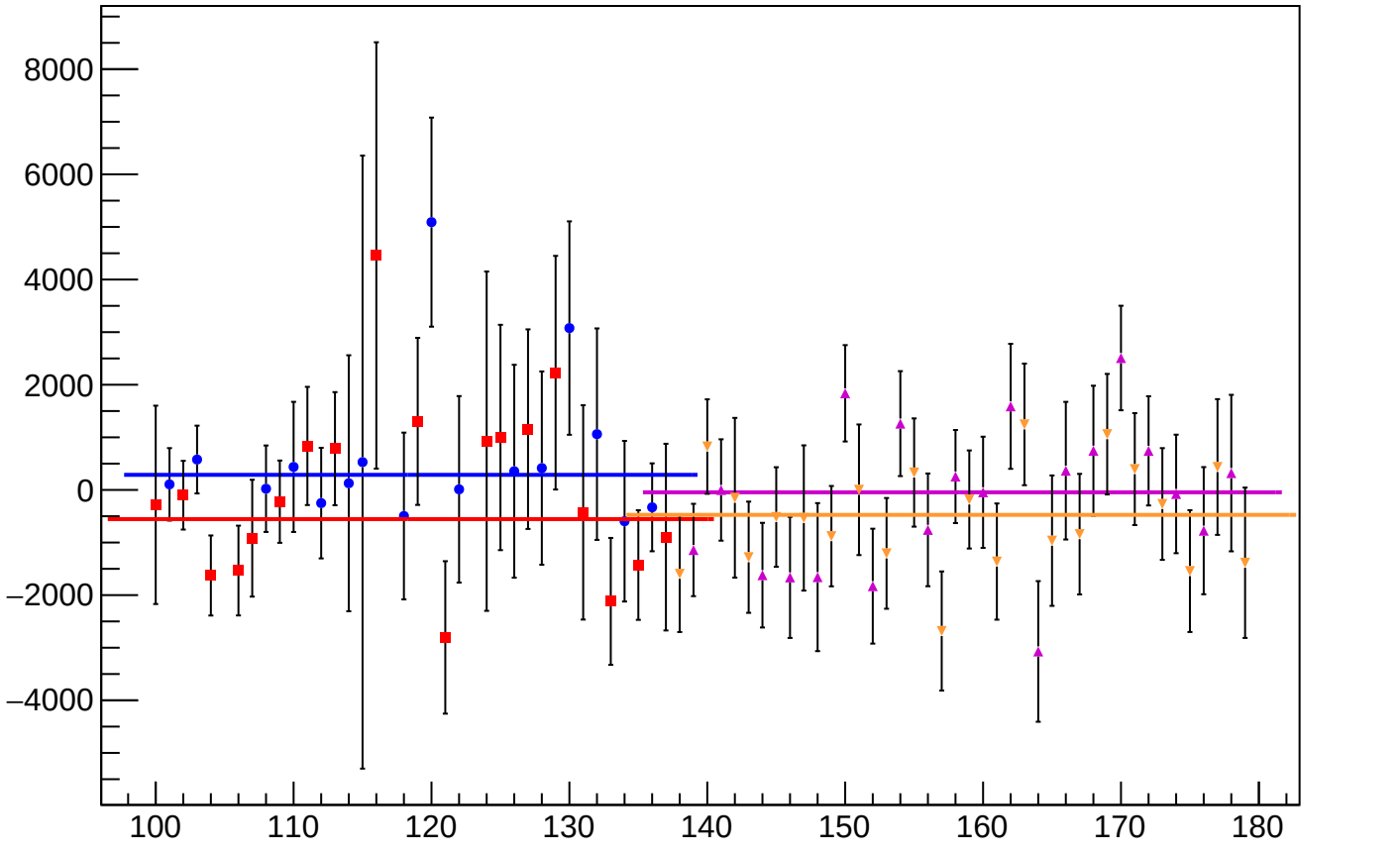
Right Out: 99.484+/-0.027 χ^2/NDF: 1041224.0/18

Left In: 156.322+/-0.028 χ^2/NDF:383893.3/19

+ sign 131.597+/-0.019 χ^2/NDF: 3010541.8/37

All: 129.359+/-0.014 χ^2/NDF: 6650724.1/76

- sign 127.149+/-0.019 χ^2/NDF: 3613527.4/38



Right In: 286.918+/-293.473 χ^2/NDF: 9.7/15

Left Out: -474.002+/-236.388 χ^2/NDF:16.4/21

Right Out: -555.436+/-269.953 χ^2/NDF: 18.0/18

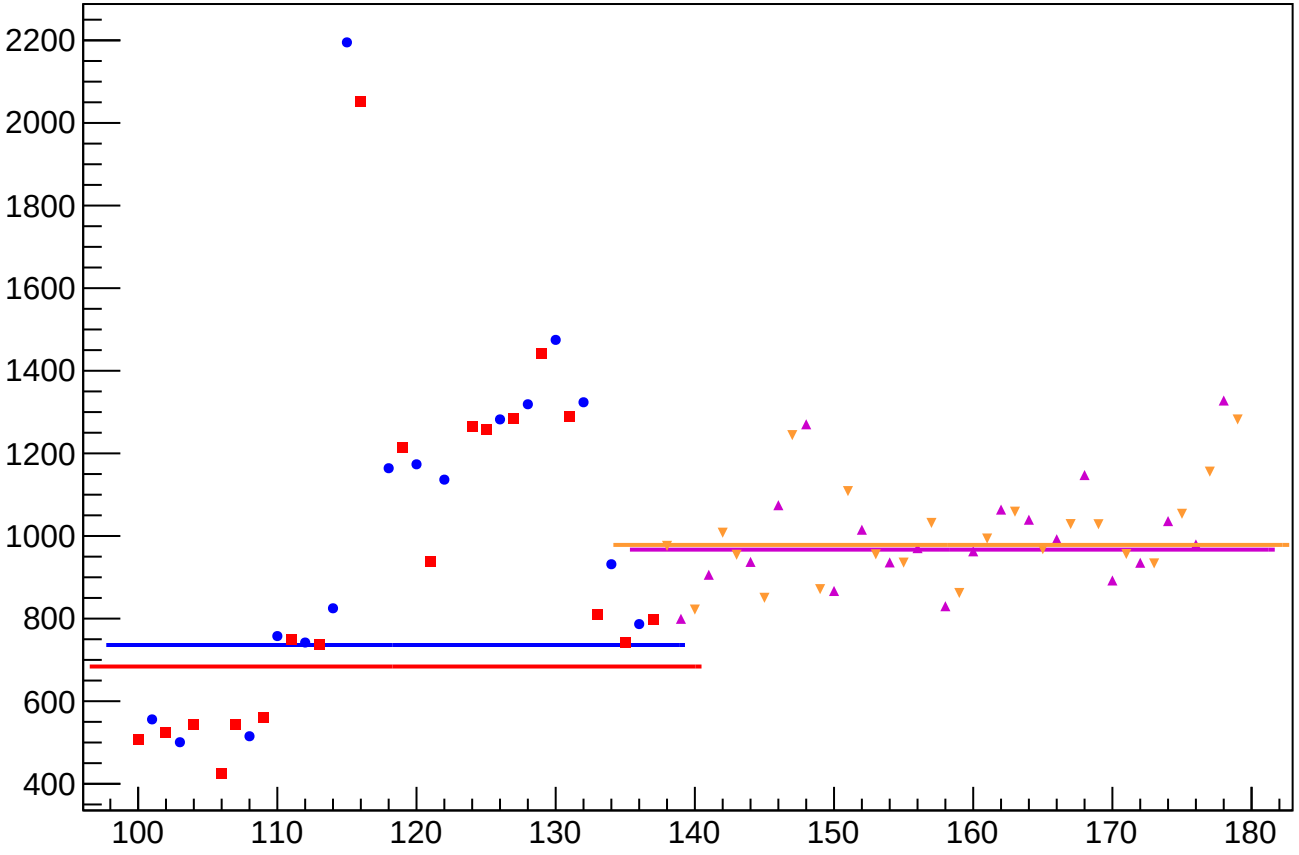
Left In: -45.161+/-241.877 χ^2/NDF:31.6/19

+ sign -174.580+/-184.095 χ^2/NDF: 30.2/37

All: -224.547+/-128.755 χ^2/NDF: 82.0/76

- sign -272.391+/-180.144 χ^2/NDF: 51.7/38

asym_sam5_eigen_cor_correction_rms vs Slug



Right In: 736.083+/-0.208 χ^2/NDF: 1844498.2/15

Left Out: 978.402+/-0.167 χ^2/NDF:419330.7/21

Right Out: 683.981+/-0.191 χ^2/NDF: 1850402.3/18

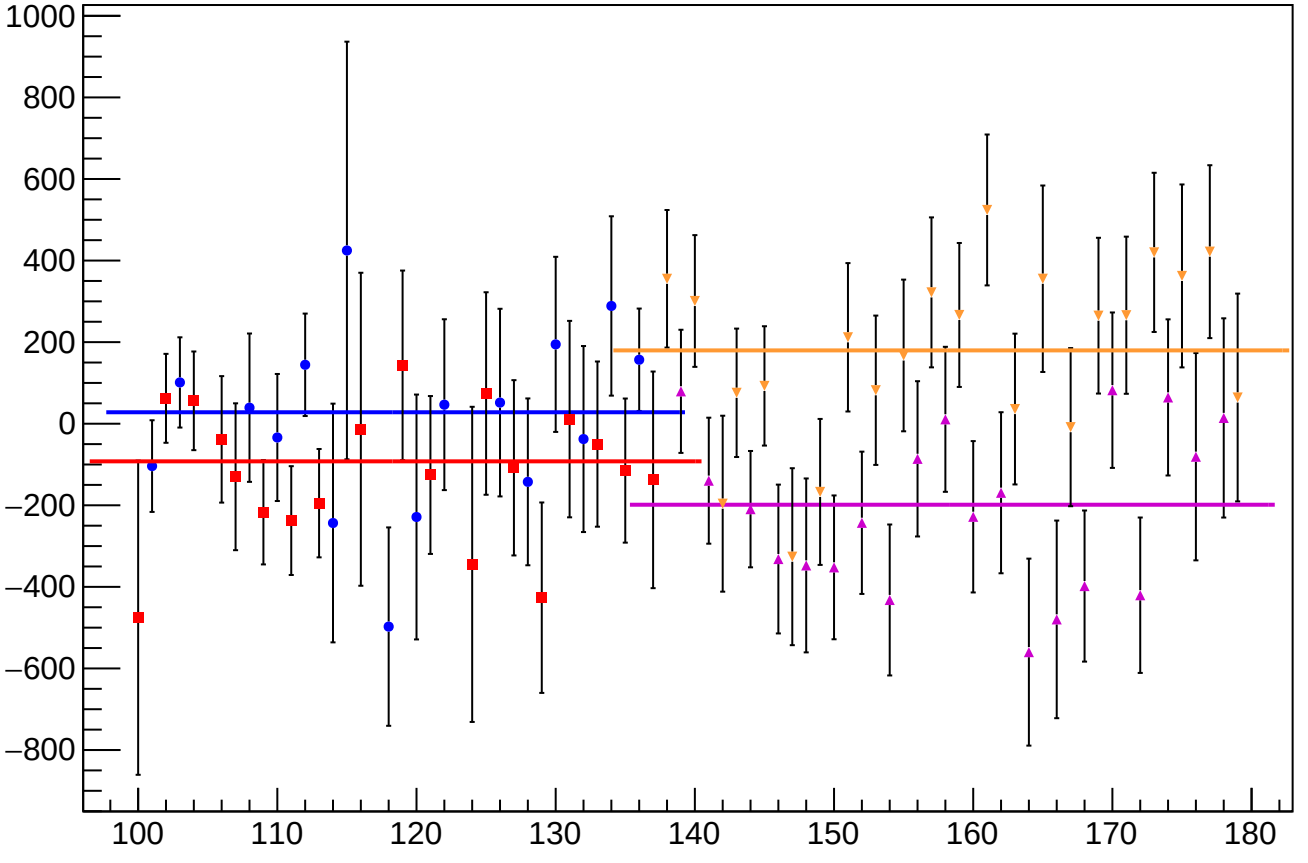
Left In: 966.958+/-0.171 χ^2/NDF:472032.2/19

+ sign 883.050+/-0.130 χ^2/NDF: 3090815.9/37

All: 861.541+/-0.091 χ^2/NDF: 6685702.3/76

- sign 840.945+/-0.127 χ^2/NDF: 3541443.1/38

dit_asym_sam5_mean vs Slug



Right In: 28.094+/-43.439 χ^2/NDF: 13.6/15

Left Out: 179.764+/-39.915 χ^2/NDF:25.5/21

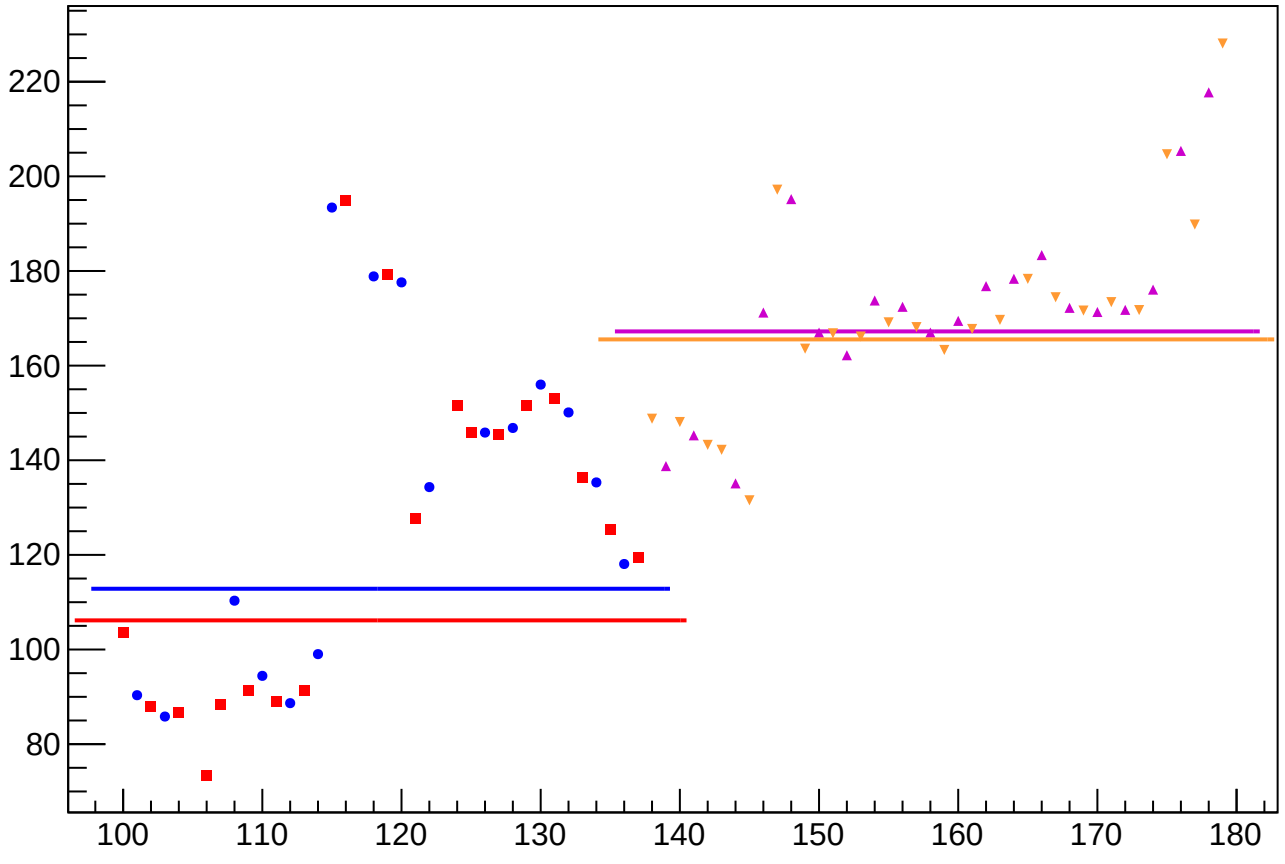
Right Out: -92.247+/-40.539 χ^2/NDF: 11.7/18

Left In: -198.630+/-41.701 χ^2/NDF:20.1/19

+ sign 110.329+/-29.391 χ^2/NDF: 45.7/37

All: -18.211+/-20.667 χ^2/NDF: 118.7/76

- sign -143.935+/-29.068 χ^2/NDF: 35.2/38



Right In: 112.843+/-0.031 χ^2/NDF: 872225.9/15

Left Out: 165.542+/-0.028 χ^2/NDF:487735.7/21

Right Out: 106.159+/-0.029 χ^2/NDF: 1002148.0/18

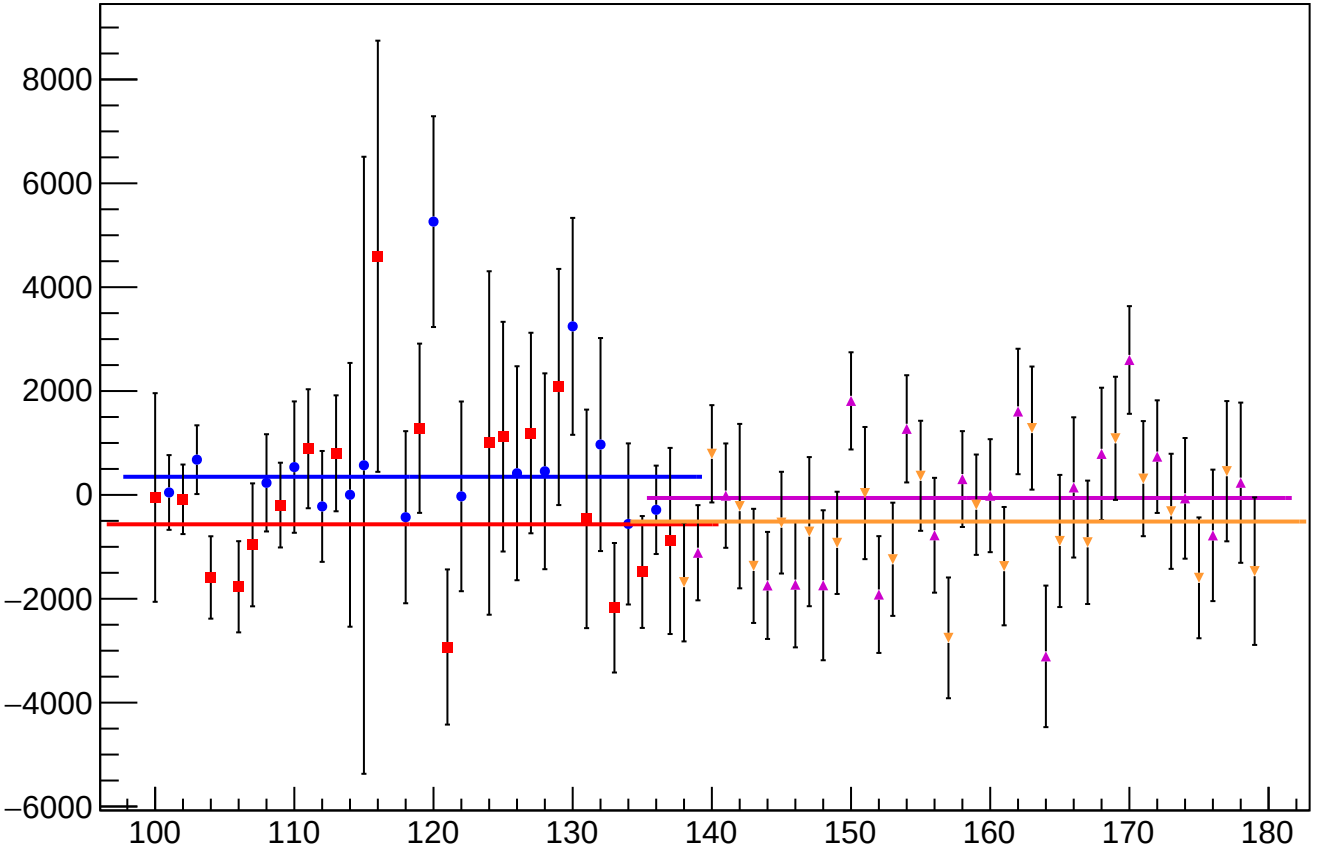
Left In: 167.230+/-0.029 χ^2/NDF:410996.9/19

+ sign 141.416+/-0.021 χ^2/NDF: 2955964.9/37

All: 138.593+/-0.015 χ^2/NDF: 6610960.9/76

- sign 135.831+/-0.021 χ^2/NDF: 3618491.8/38

asym_sam5_dit_correction_mean vs Slug



Right In: 349.112+/-305.328 χ^2/NDF: 9.8/15

Left Out: -512.938+/-244.078 χ^2/NDF:16.3/21

Right Out: -566.026+/-279.219 χ^2/NDF: 18.3/18

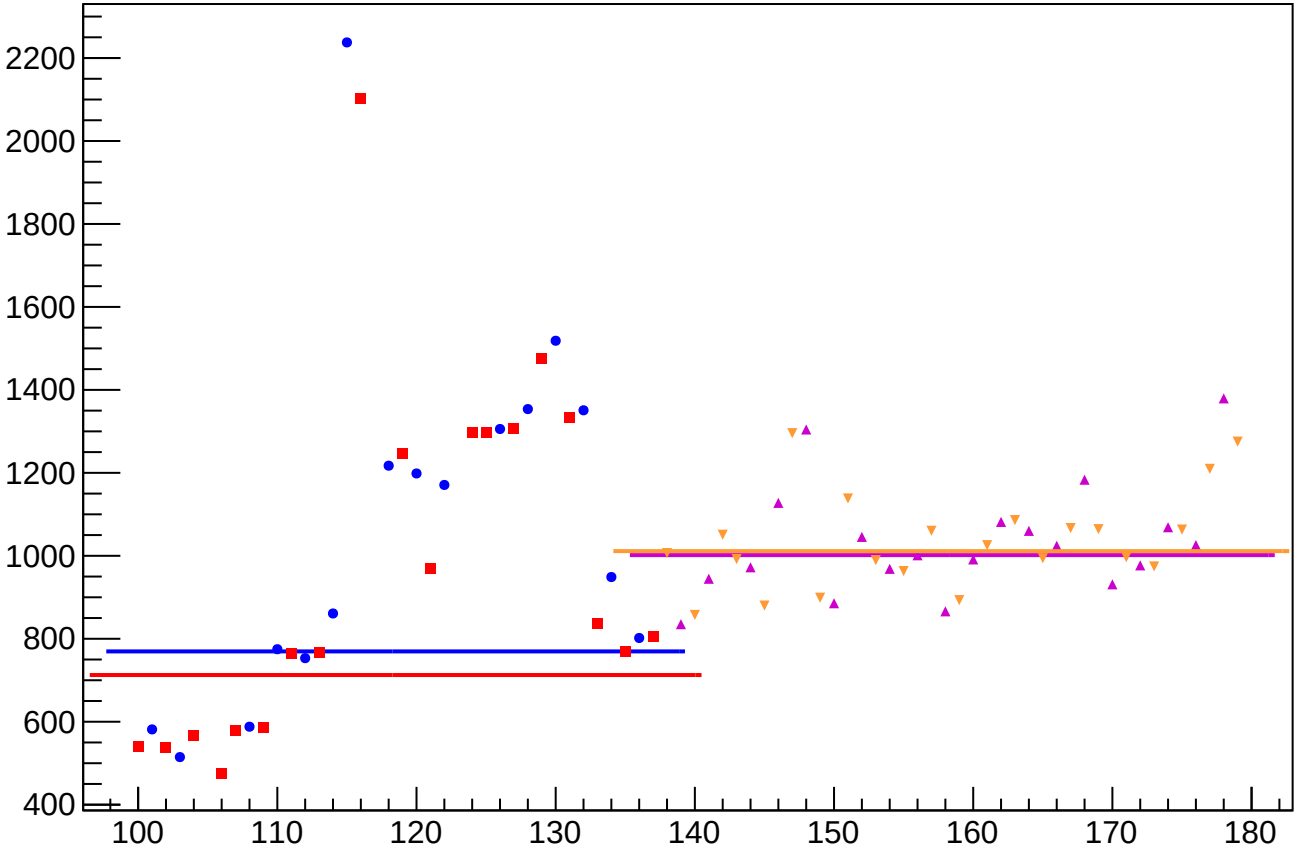
Left In: -59.341+/-250.396 χ^2/NDF:31.1/19

\+ sign -176.838+/-190.649 χ^2/NDF: 31.0/37

All: -232.230+/-133.288 χ^2/NDF: 82.3/76

\- sign -285.190+/-186.416 χ^2/NDF: 51.2/38

asym_sam5_dit_correction_rms vs Slug



Right In: 769.557+/-0.216 χ^2/NDF: 1739937.3/15

Left Out: 1011.286+/-0.173 χ^2/NDF:390293.2/21

Right Out: 712.628+/-0.197 χ^2/NDF: 1767226.6/18

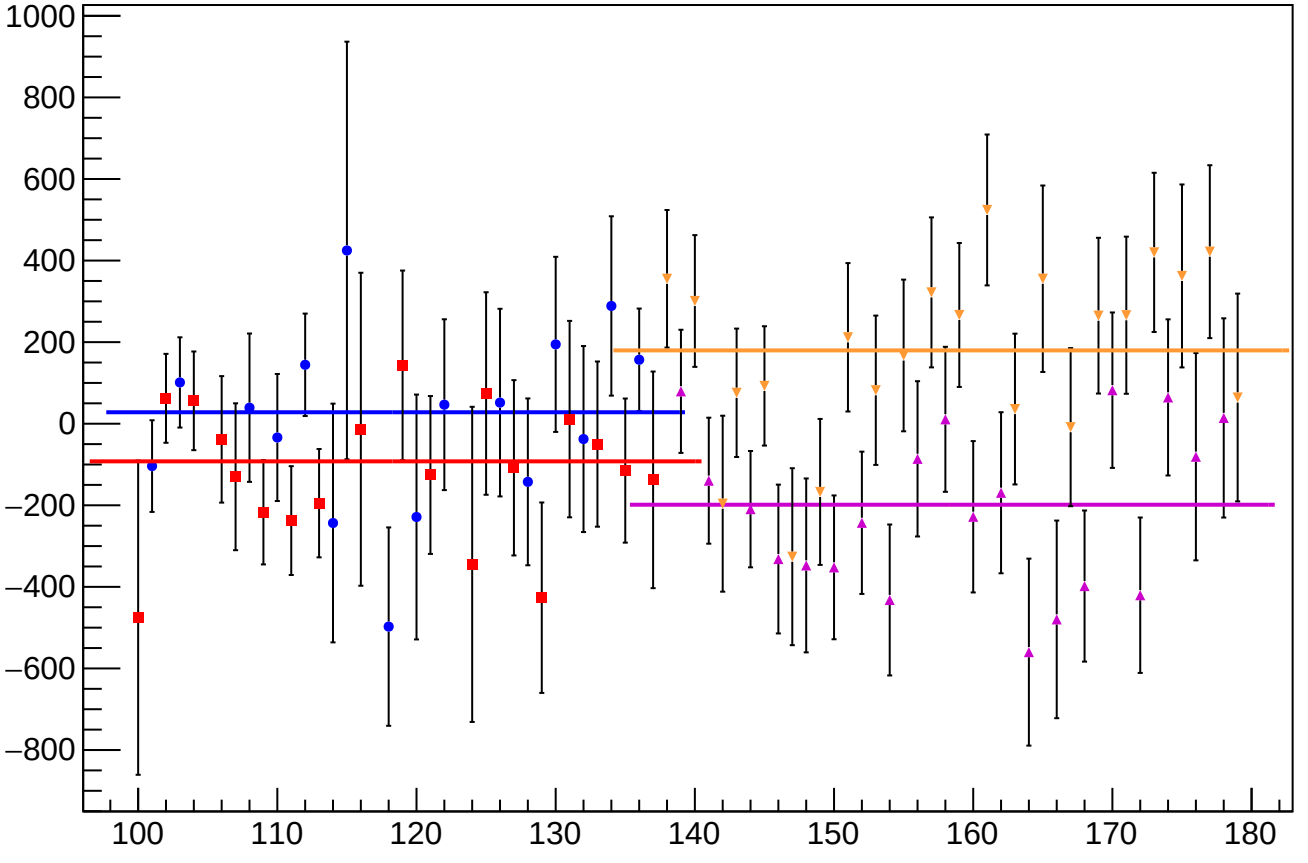
Left In: 1001.699+/-0.177 χ^2/NDF:454343.0/19

+ sign 917.040+/-0.135 χ^2/NDF: 2895061.9/37

All: 894.449+/-0.094 χ^2/NDF: 6359694.6/76

- sign 872.849+/-0.132 χ^2/NDF: 3409699.5/38

eigen_dit_asym_sam5_mean vs Slug



Right In: 28.093+/-43.439 χ^2/NDF: 13.6/15

Left Out: 179.765+/-39.915 χ^2/NDF:25.5/21

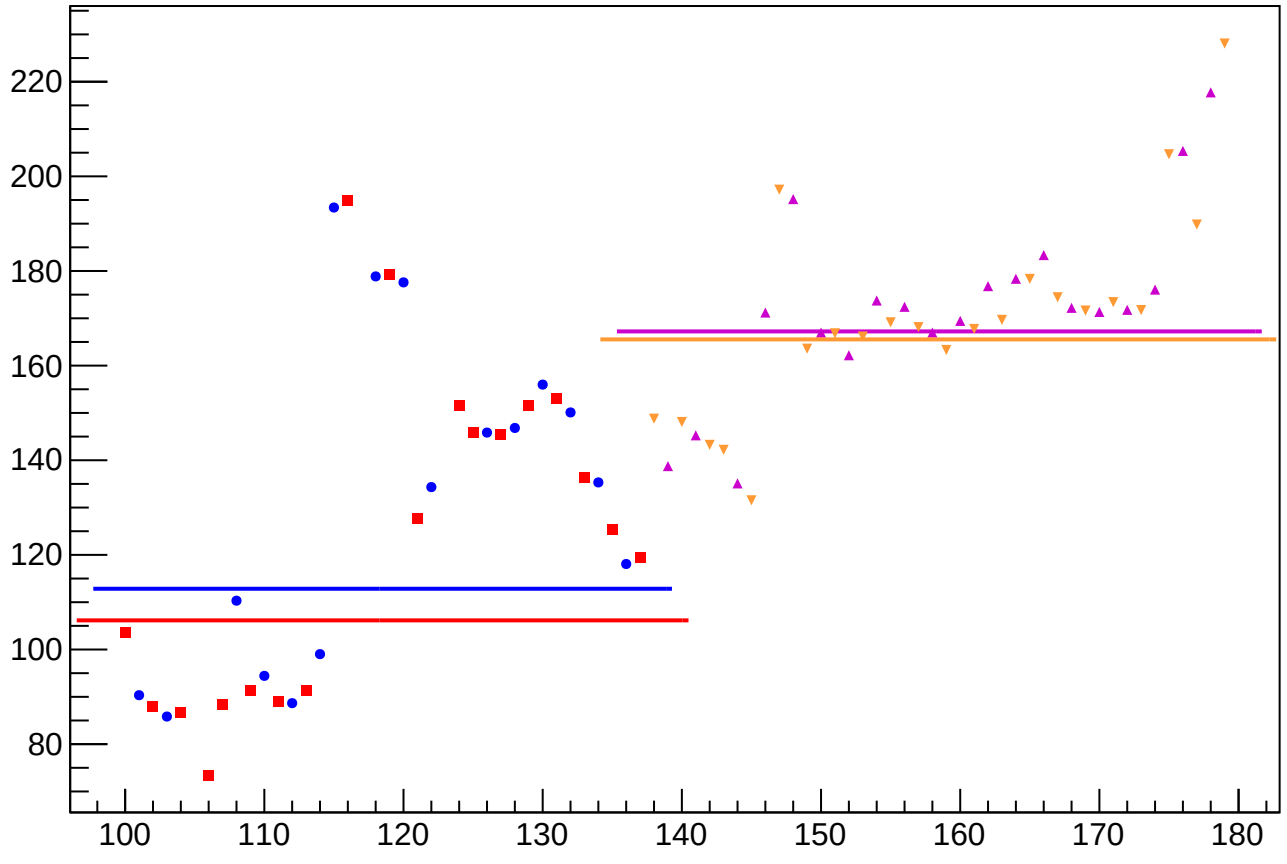
Right Out: -92.247+/-40.539 χ^2/NDF: 11.7/18

Left In: -198.630+/-41.701 χ^2/NDF:20.1/19

+ sign 110.329+/-29.391 χ^2/NDF: 45.7/37

All: -18.211+/-20.667 χ^2/NDF: 118.7/76

- sign -143.935+/-29.068 χ^2/NDF: 35.2/38



Right In: 112.842+/-0.031 χ^2/NDF: 872219.7/15

Left Out: 165.542+/-0.028 χ^2/NDF:487728.7/21

Right Out: 106.158+/-0.029 χ^2/NDF: 1002136.6/18

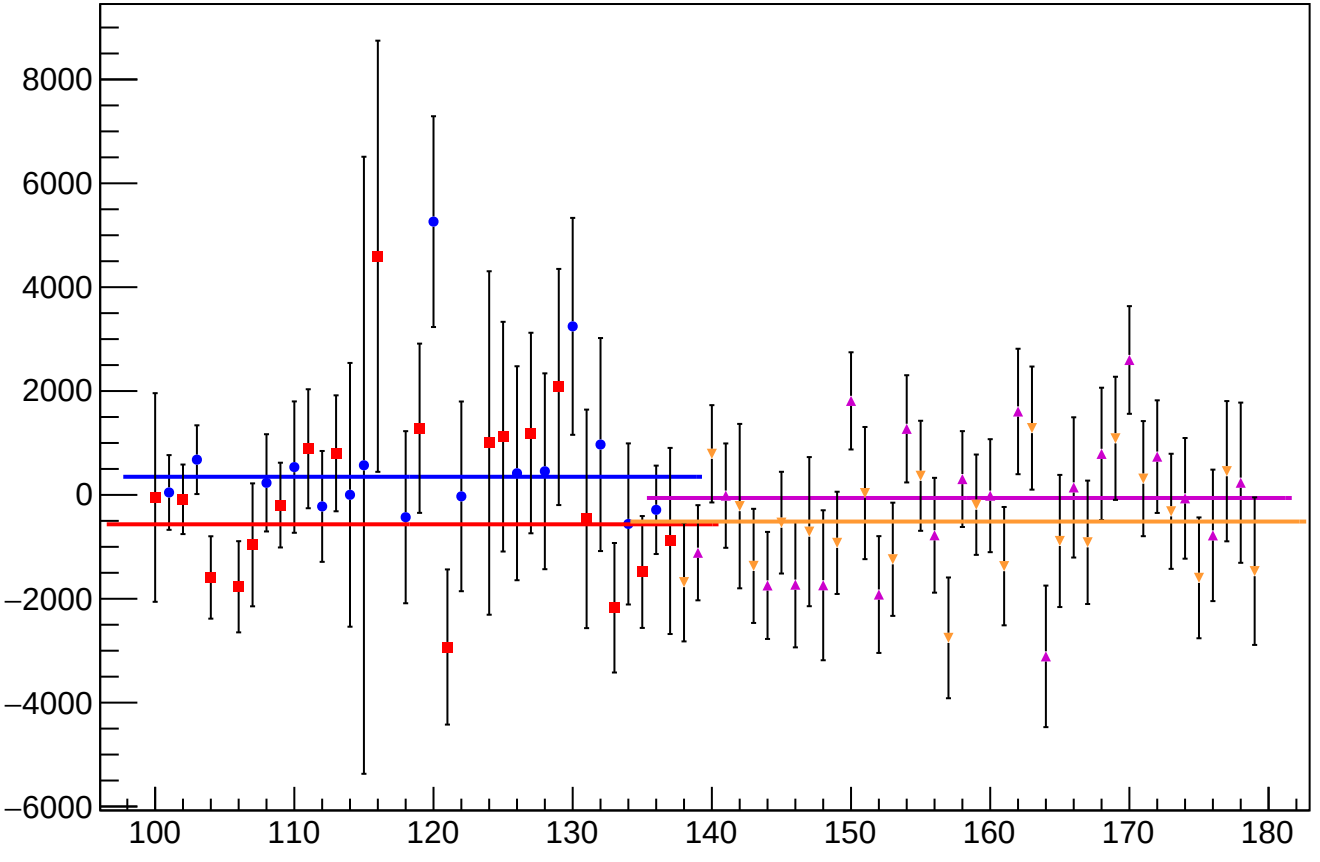
Left In: 167.230+/-0.029 χ^2/NDF:410985.1/19

+ sign 141.416+/-0.021 χ^2/NDF: 2955981.5/37

All: 138.592+/-0.015 χ^2/NDF: 6610988.9/76

- sign 135.831+/-0.021 χ^2/NDF: 3618504.0/38

asym_sam5_eigen_dit_correction_mean vs Slug



Right In: 349.111+/-305.328 χ^2/NDF: 9.8/15

Left Out: -512.937+/-244.078 χ^2/NDF:16.3/21

Right Out: -566.026+/-279.218 χ^2/NDF: 18.3/18

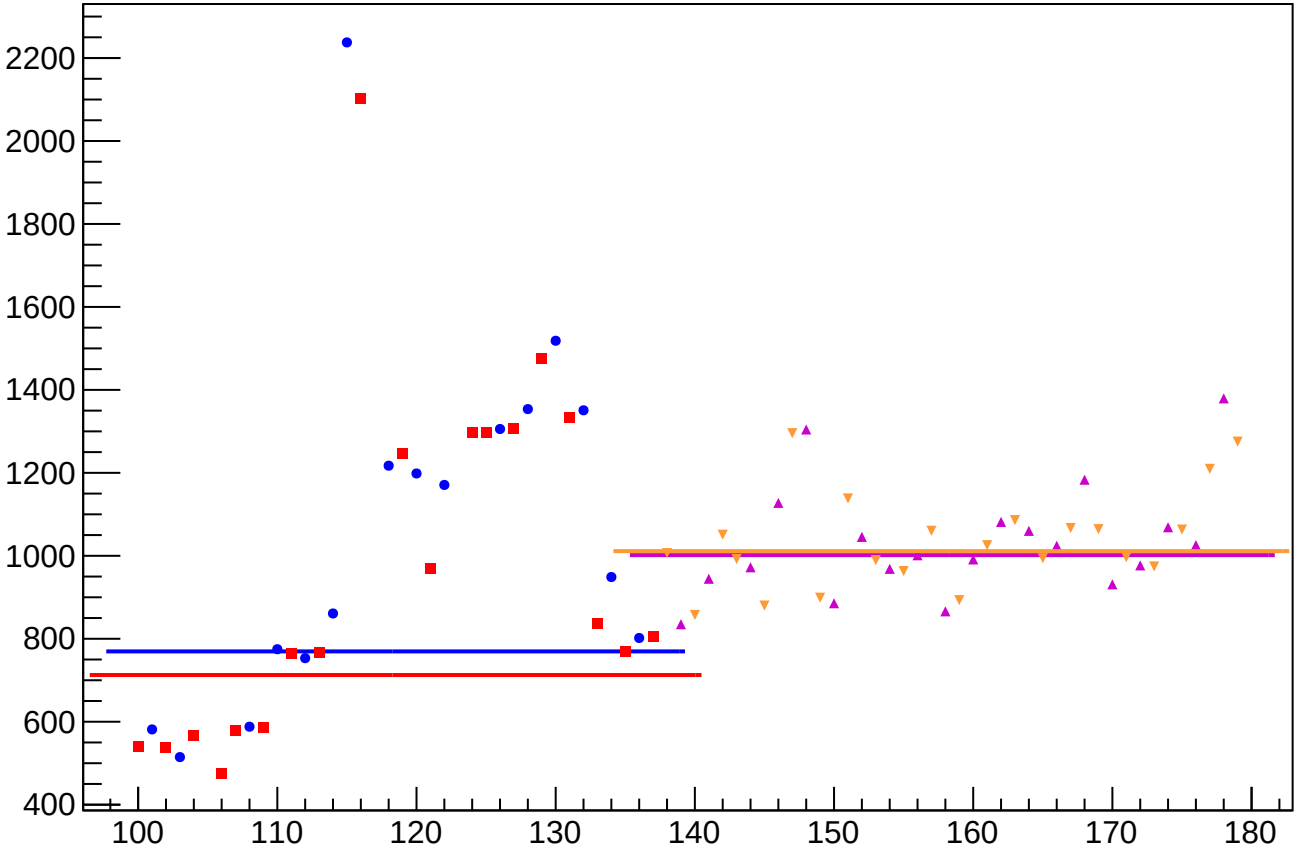
Left In: -59.341+/-250.396 χ^2/NDF:31.1/19

+ sign -176.837+/-190.649 χ^2/NDF: 31.0/37

All: -232.230+/-133.288 χ^2/NDF: 82.3/76

- sign -285.191+/-186.416 χ^2/NDF: 51.2/38

asym_sam5_eigen_dit_correction_rms vs Slug



Right In: 769.556+/-0.216 χ^2/NDF: 1739933.9/15

Left Out: 1011.288+/-0.173 χ^2/NDF:390292.3/21

Right Out: 712.627+/-0.197 χ^2/NDF: 1767219.7/18

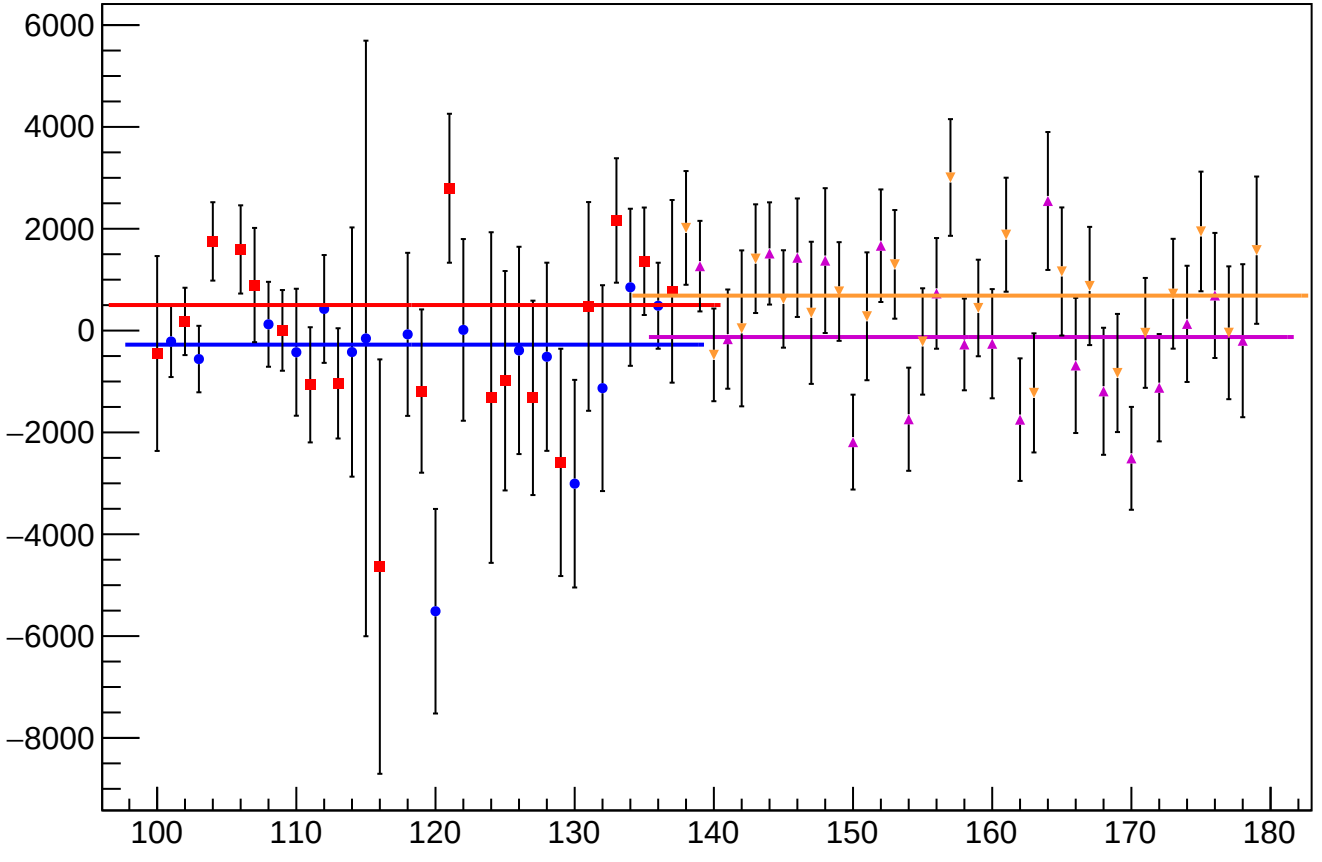
Left In: 1001.700+/-0.177 χ^2/NDF:454342.3/19

+ sign 917.040+/-0.135 χ^2/NDF: 2895075.1/37

All: 894.449+/-0.094 χ^2/NDF: 6359721.5/76

- sign 872.849+/-0.132 χ^2/NDF: 3409712.7/38

asym_sam5_mean vs Slug



Right In: -276.199+/-296.708 χ^2/NDF: 11.1/15

Left Out: 686.799+/-239.454 χ^2/NDF:17.1/21

Right Out: 501.985+/-272.991 χ^2/NDF: 20.5/18

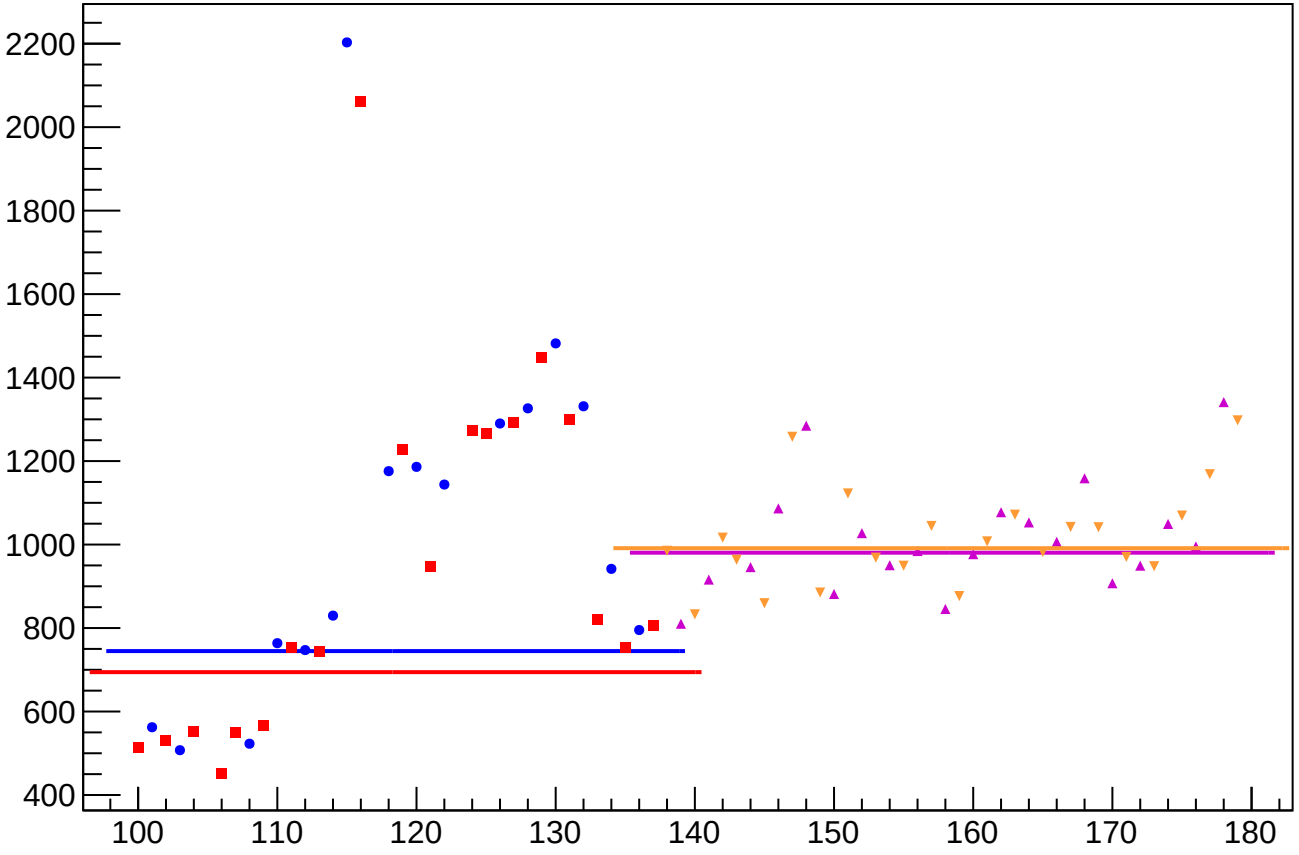
Left In: -126.493+/-245.190 χ^2/NDF:32.3/19

+ sign 306.975+/-186.341 χ^2/NDF: 34.5/37

All: 228.923+/-130.353 χ^2/NDF: 90.6/76

- sign 154.125+/-182.415 χ^2/NDF: 55.7/38

asym_sam5_rms vs Slug



Right In: 744.783+/-0.210 χ^2/NDF: 1822553.5/15

Left Out: 991.333+/-0.169 χ^2/NDF:414296.3/21

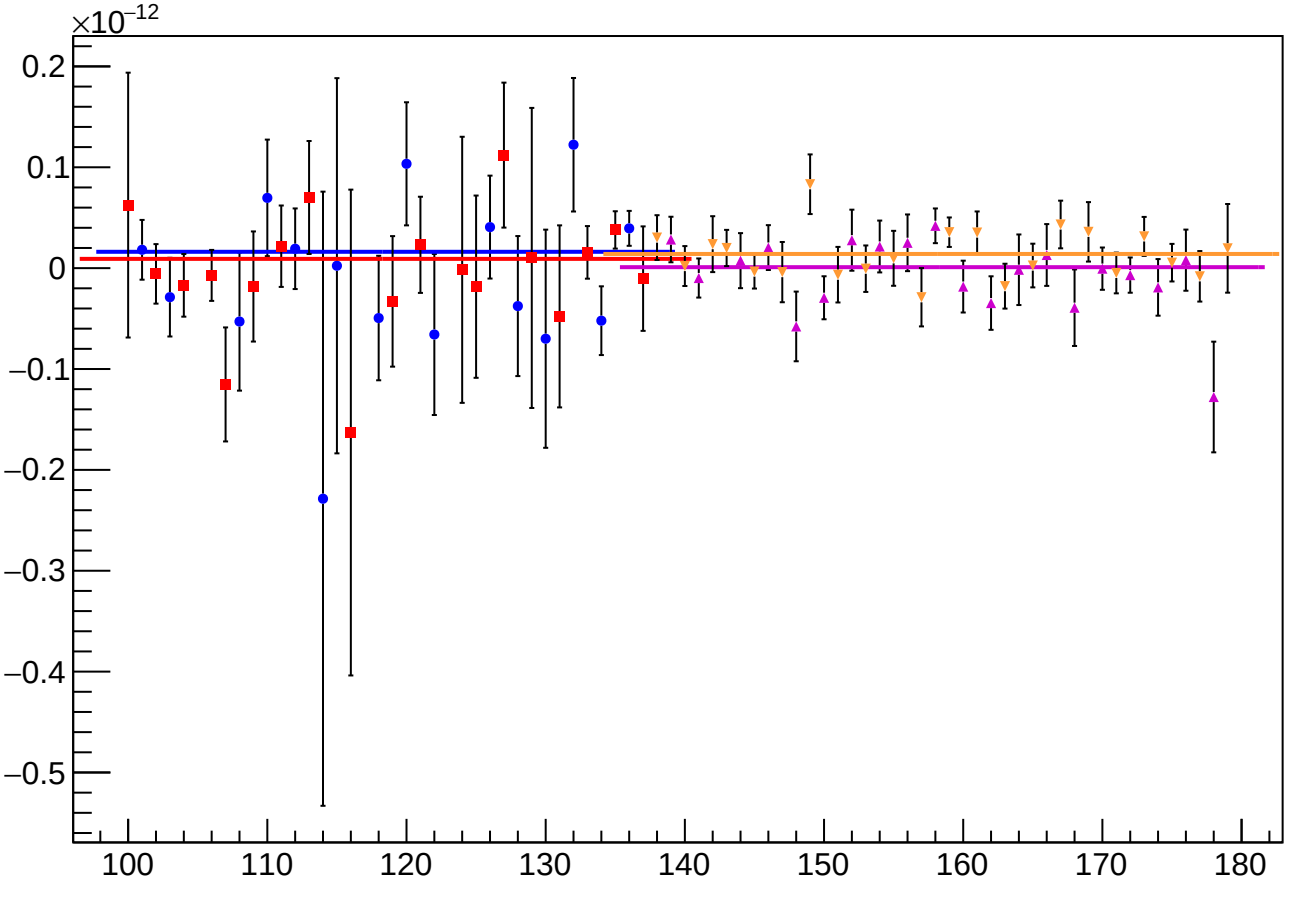
Right Out: 694.348+/-0.193 χ^2/NDF: 1803741.9/18

Left In: 980.507+/-0.173 χ^2/NDF:460604.8/19

+ sign 894.089+/-0.132 χ^2/NDF: 3073132.1/37

All: 872.972+/-0.092 χ^2/NDF: 6604139.7/76

- sign 852.736+/-0.129 χ^2/NDF: 3480710.6/38



Right In: 0.000+/-0.000 χ^2/NDF: 18.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:21.6/21

Right Out: 0.000+/-0.000 χ^2/NDF: 14.1/18

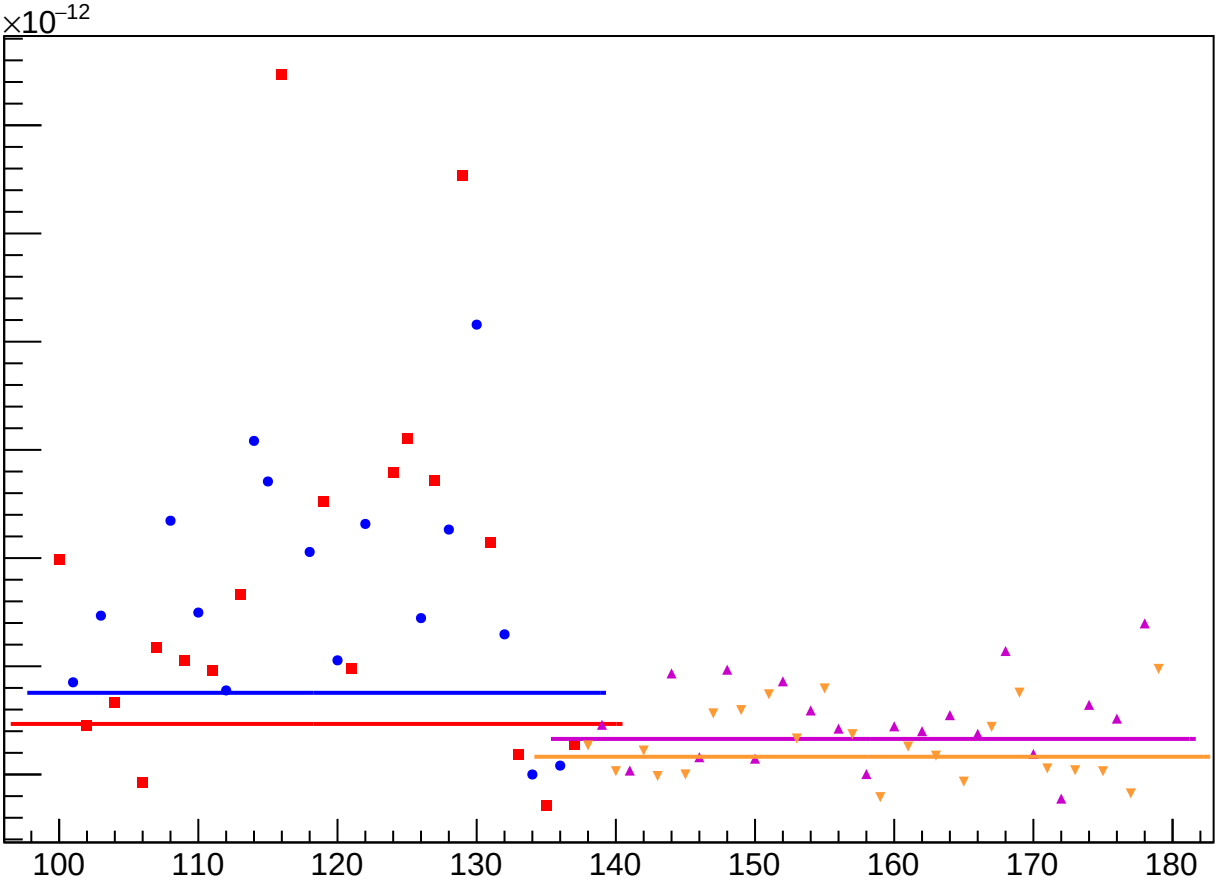
Left In: 0.000+/-0.000 χ^2/NDF:25.3/19

+ sign 0.000+/-0.000 χ^2/NDF: 39.5/37

All: 0.000+/-0.000 χ^2/NDF: 82.6/76

- sign 0.000+/-0.000 χ^2/NDF: 40.0/38

asym_sam5_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1156509.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:742498.5/21

Right Out: 0.000+/-0.000 χ^2/NDF: 1741597.8/18

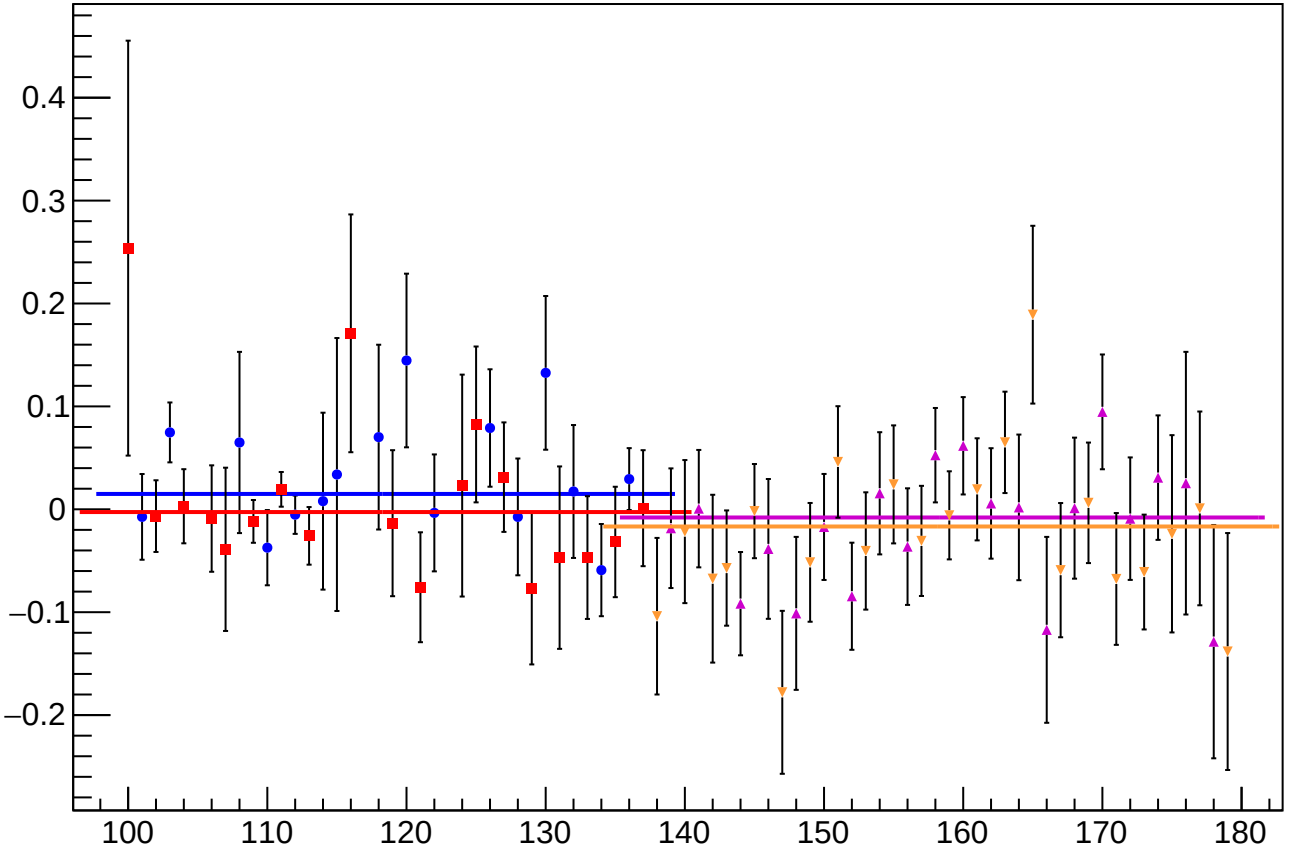
Left In: 0.000+/-0.000 χ^2/NDF:824506.3/19

+ sign 0.000+/-0.000 χ^2/NDF: 2410902.8/37

All: 0.000+/-0.000 χ^2/NDF: 5061366.1/76

- sign 0.000+/-0.000 χ^2/NDF: 2598341.0/38

asym_sam5_dit_vs_cor_diff_mean vs Slug



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.017+/-0.013 χ^2/NDF:21.0/21

Right Out: -0.003+/-0.009 χ^2/NDF: 12.5/18

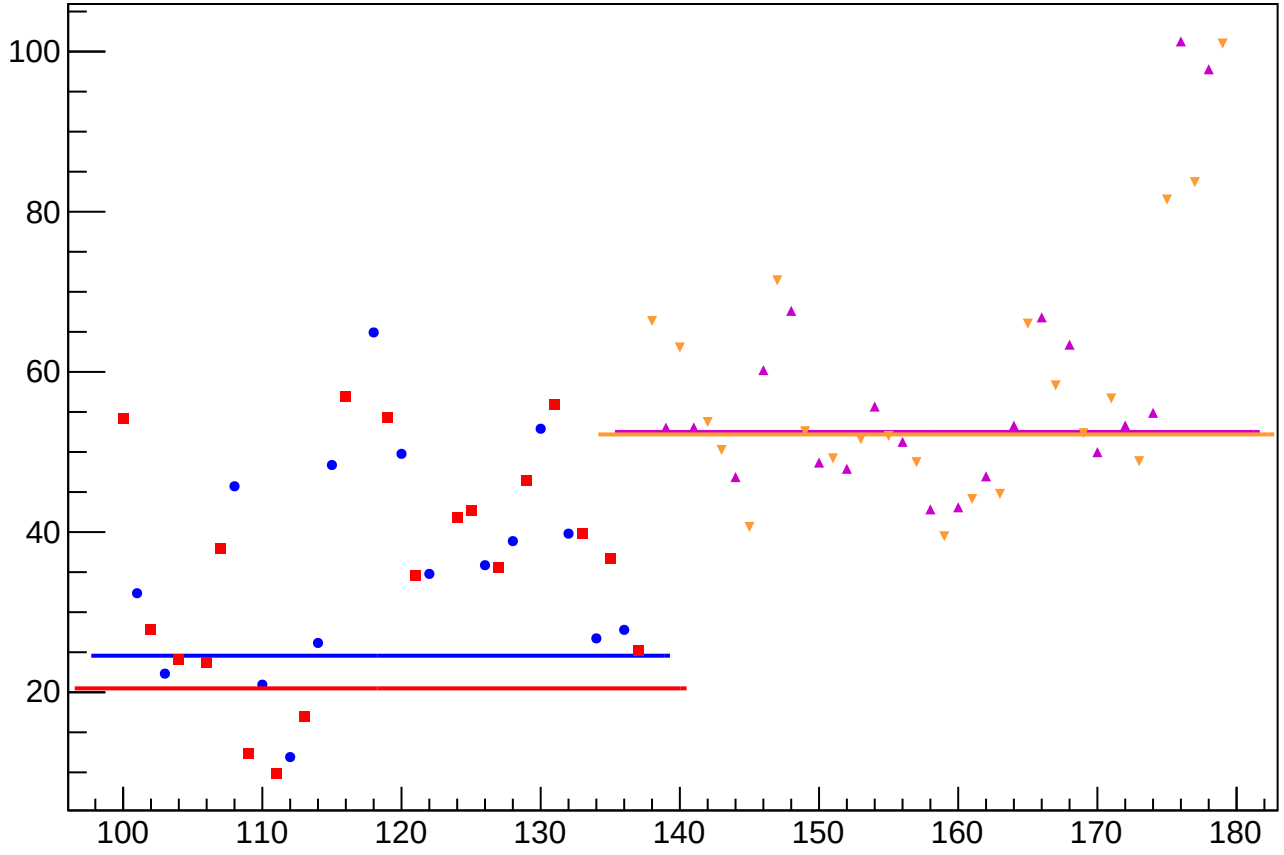
Left In: -0.008+/-0.013 χ^2/NDF:17.7/19

+ sign 0.002+/-0.008 χ^2/NDF: 42.3/37

All: -0.001+/-0.006 χ^2/NDF: 72.9/76

- sign -0.004+/-0.008 χ^2/NDF: 30.2/38

asym_sam5_dit_vs_cor_diff_rms vs Slug



Right In: 24.566+/-0.007 χ^2/NDF: 2484530.5/15

Left Out: 52.196+/-0.009 χ^2/NDF:1512782.3/21

Right Out: 20.488+/-0.007 χ^2/NDF: 3583938.4/18

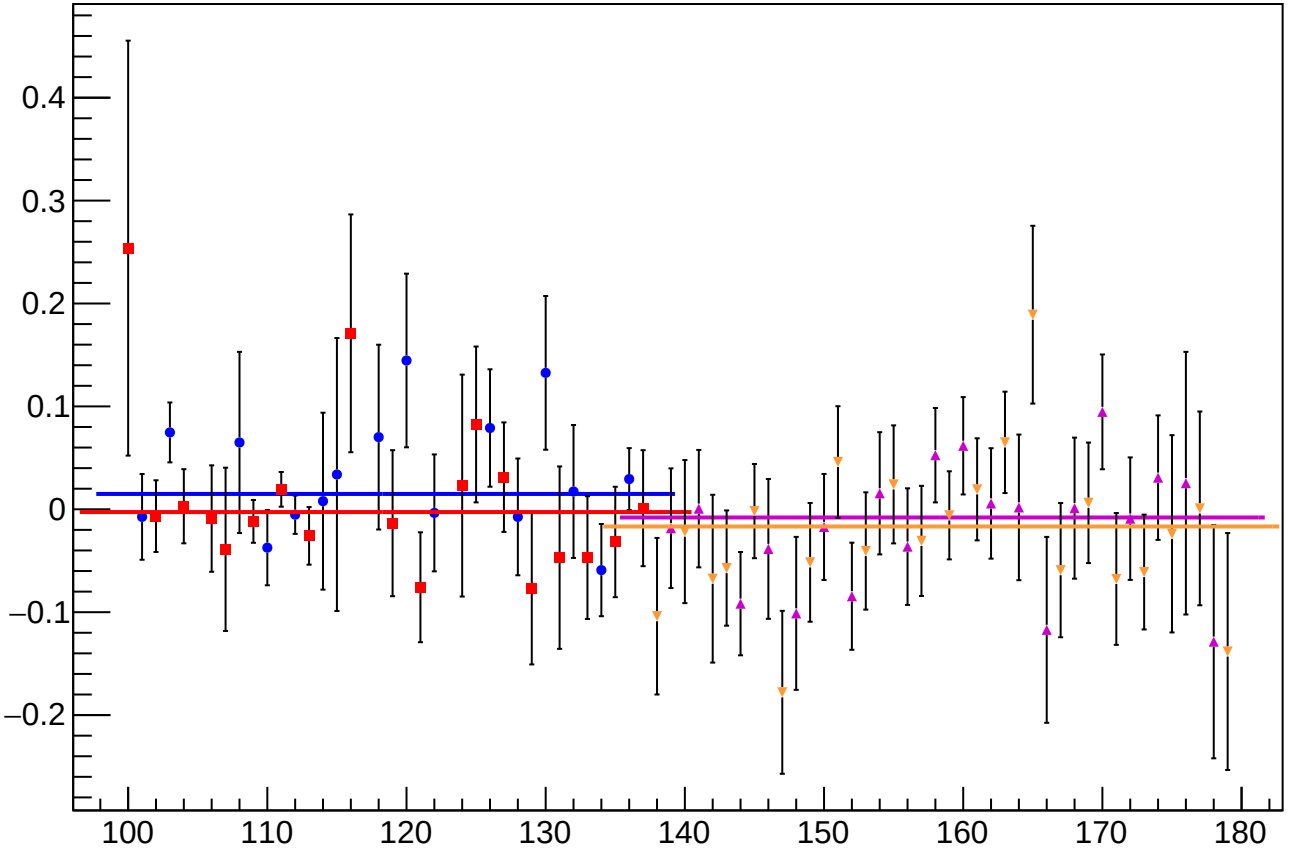
Left In: 52.504+/-0.009 χ^2/NDF:1076244.8/19

+ sign 35.648+/-0.006 χ^2/NDF: 9460579.4/37

All: 33.027+/-0.004 χ^2/NDF: 22237181.4/76

- sign 30.771+/-0.005 χ^2/NDF: 12395855.4/38

asym_sam5_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.017+/-0.013 χ^2/NDF:21.0/21

Right Out: -0.003+/-0.009 χ^2/NDF: 12.5/18

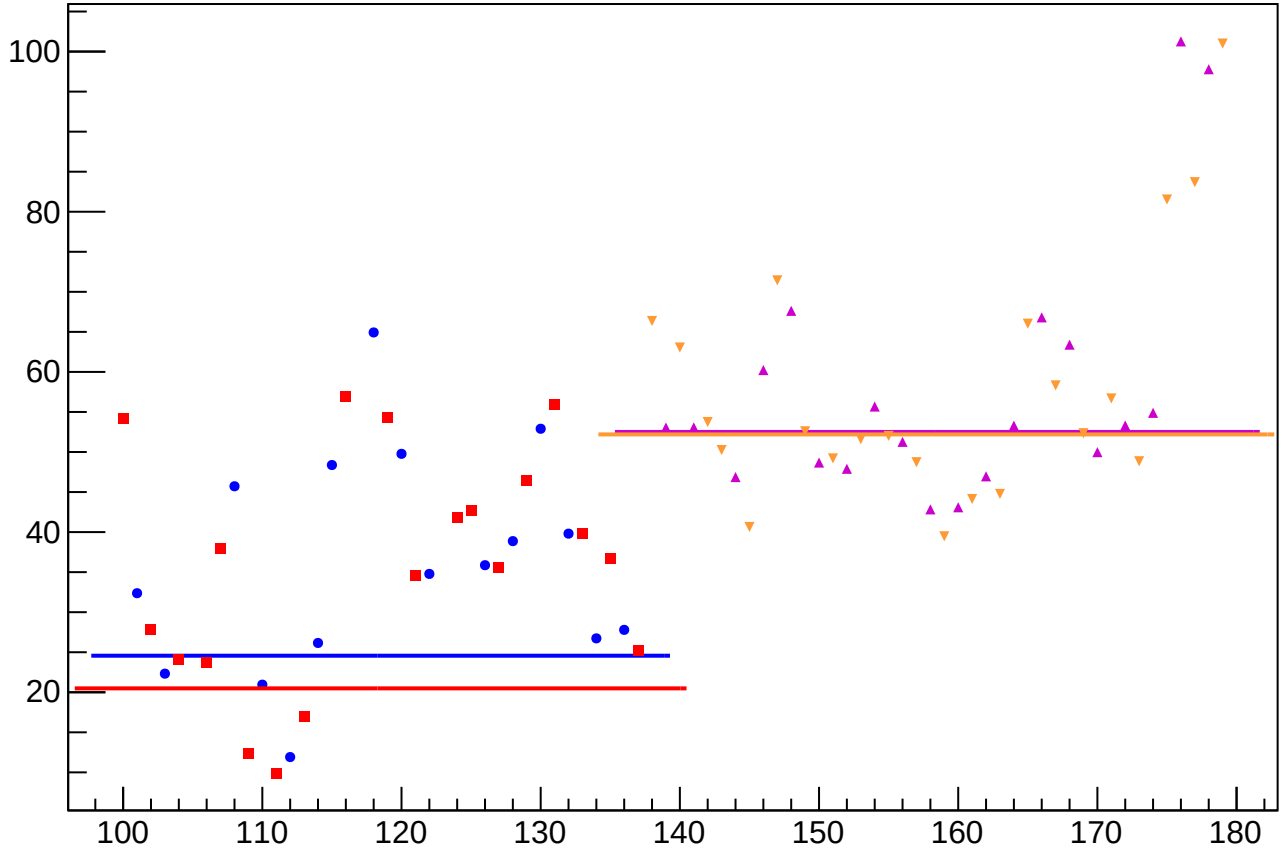
Left In: -0.008+/-0.013 χ^2/NDF:17.7/19

+ sign 0.002+/-0.008 χ^2/NDF: 42.3/37

All: -0.001+/-0.006 χ^2/NDF: 72.9/76

- sign -0.004+/-0.008 χ^2/NDF: 30.2/38

asym_sam5_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 24.566+/-0.007 χ^2/NDF: 2484530.5/15

Left Out: 52.196+/-0.009 χ^2/NDF:1512782.3/21

Right Out: 20.488+/-0.007 χ^2/NDF: 3583938.4/18

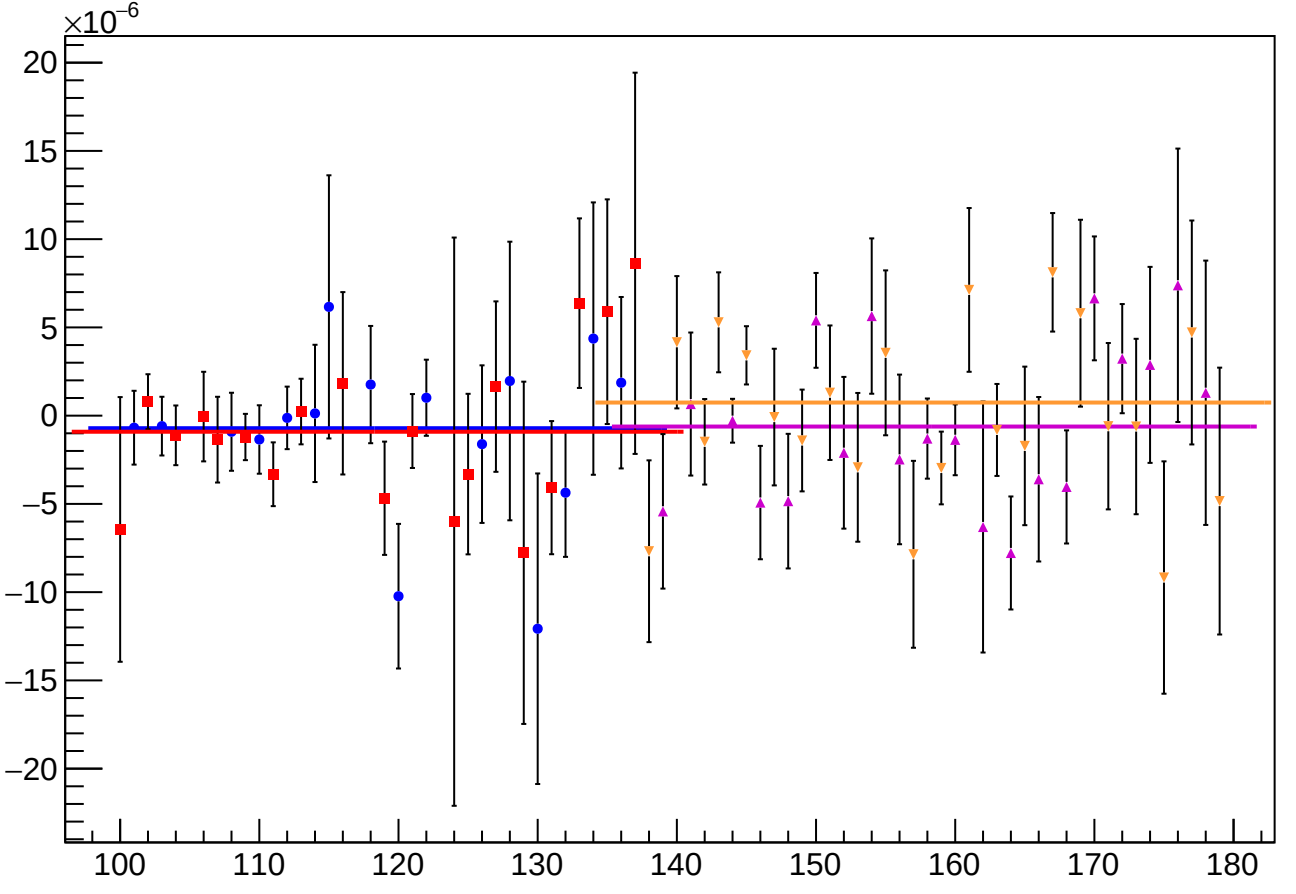
Left In: 52.504+/-0.009 χ^2/NDF:1076244.8/19

+ sign 35.648+/-0.006 χ^2/NDF: 9460579.4/37

All: 33.027+/-0.004 χ^2/NDF: 22237181.4/76

- sign 30.771+/-0.005 χ^2/NDF: 12395855.4/38

asym_sam5_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:28.8/21

Right Out: -0.000+/-0.000 χ^2/NDF: 11.9/18

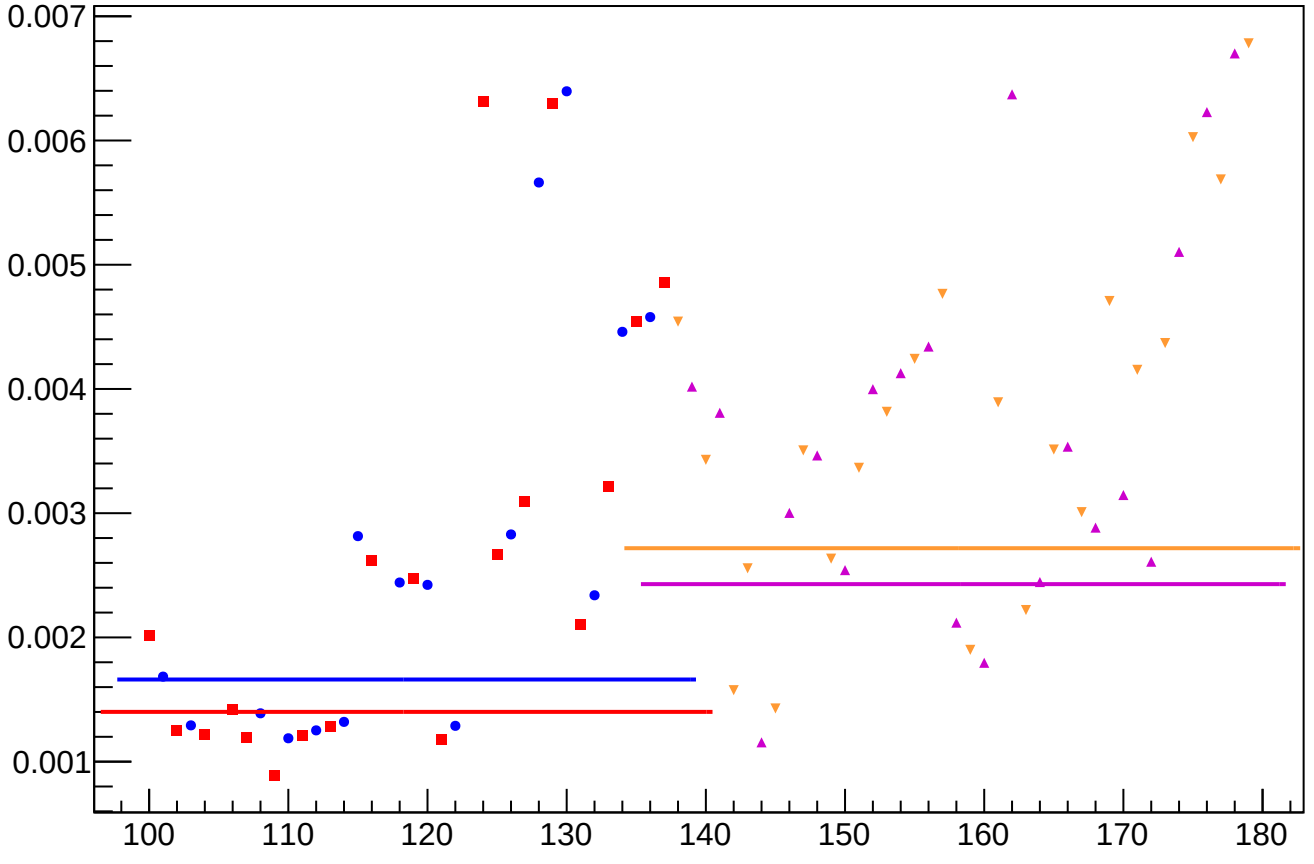
Left In: -0.000+/-0.000 χ^2/NDF:26.5/19

+ sign -0.000+/-0.000 χ^2/NDF: 42.2/37

All: -0.000+/-0.000 χ^2/NDF: 82.0/76

- sign -0.000+/-0.000 χ^2/NDF: 38.5/38

asym_sam5_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 2942035.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:5590011.6/21

Right Out: 0.001+/-0.000 χ^2/NDF: 2915624.2/18

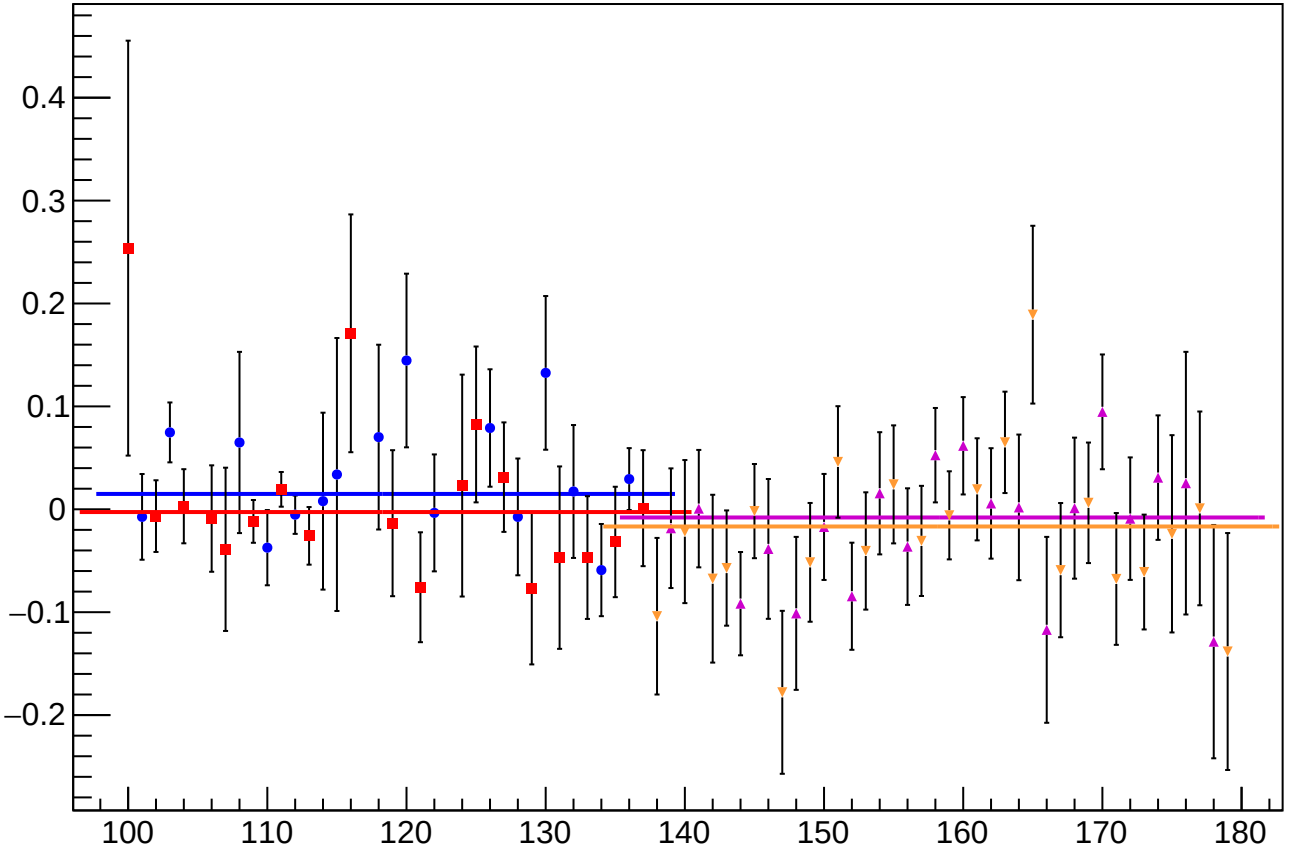
Left In: 0.002+/-0.000 χ^2/NDF:6386097.2/19

+ sign 0.002+/-0.000 χ^2/NDF: 10742734.0/37

All: 0.002+/-0.000 χ^2/NDF: 23159239.4/76

- sign 0.002+/-0.000 χ^2/NDF: 11926019.6/38

asym_sam5_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.017+/-0.013 χ^2/NDF:21.0/21

Right Out: -0.003+/-0.009 χ^2/NDF: 12.5/18

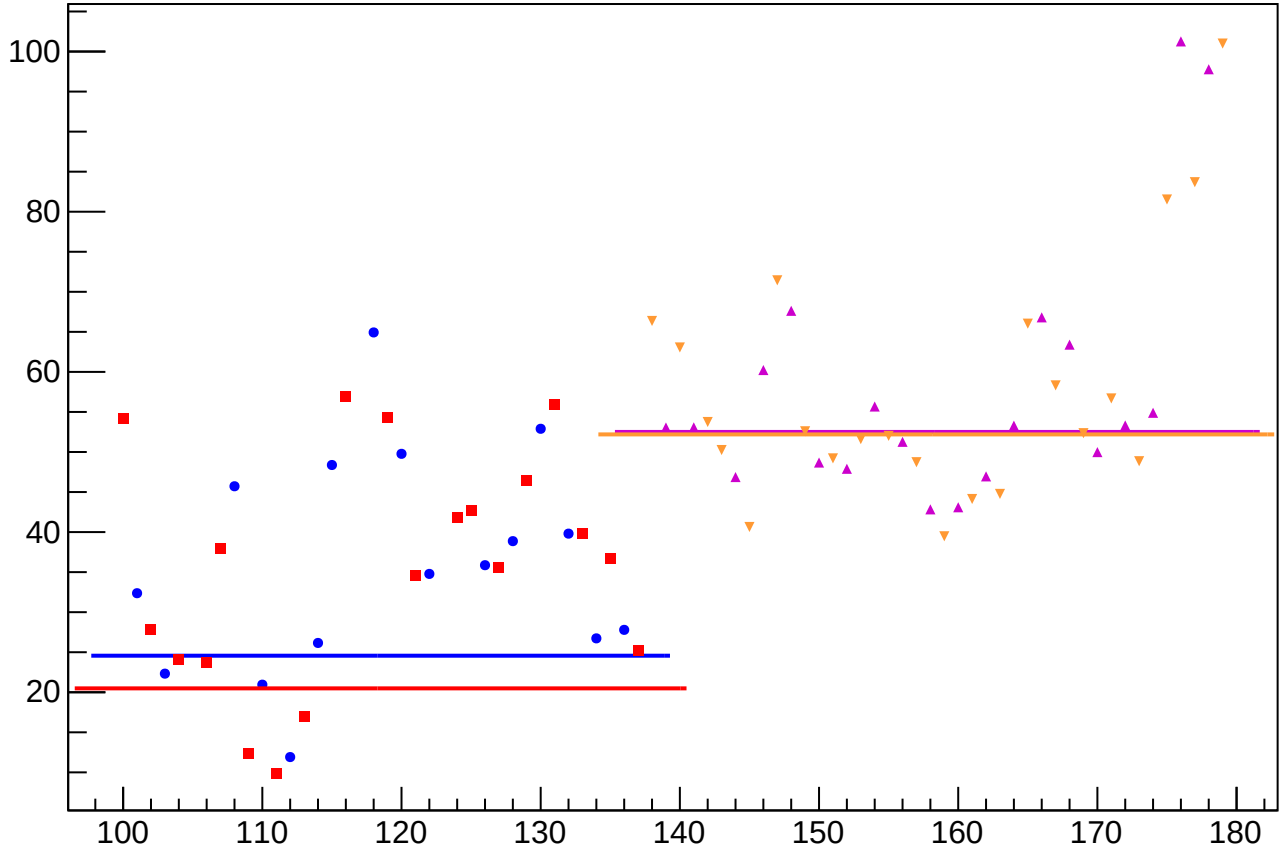
Left In: -0.008+/-0.013 χ^2/NDF:17.7/19

+ sign 0.002+/-0.008 χ^2/NDF: 42.3/37

All: -0.001+/-0.006 χ^2/NDF: 72.9/76

- sign -0.004+/-0.008 χ^2/NDF: 30.2/38

asym_sam5_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 24.566+/-0.007 χ^2/NDF: 2484434.5/15

Left Out: 52.196+/-0.009 χ^2/NDF:1512851.0/21

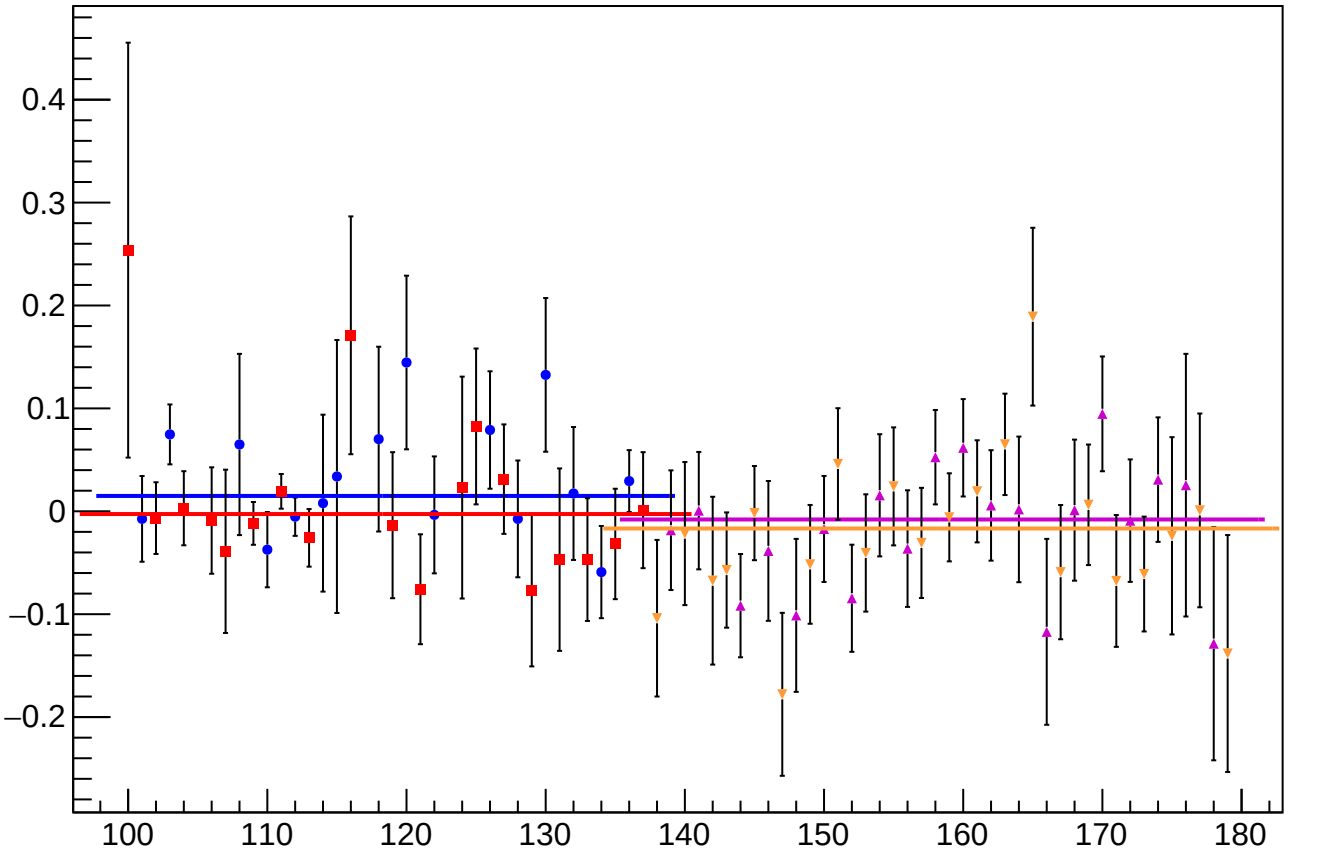
Right Out: 20.487+/-0.007 χ^2/NDF: 3583888.1/18

Left In: 52.504+/-0.009 χ^2/NDF:1076281.9/19

+ sign 35.647+/-0.006 χ^2/NDF: 9460905.6/37

All: 33.026+/-0.004 χ^2/NDF: 22237950.7/76

- sign 30.771+/-0.005 χ^2/NDF: 12396269.7/38



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.017+/-0.013 χ^2/NDF:21.0/21

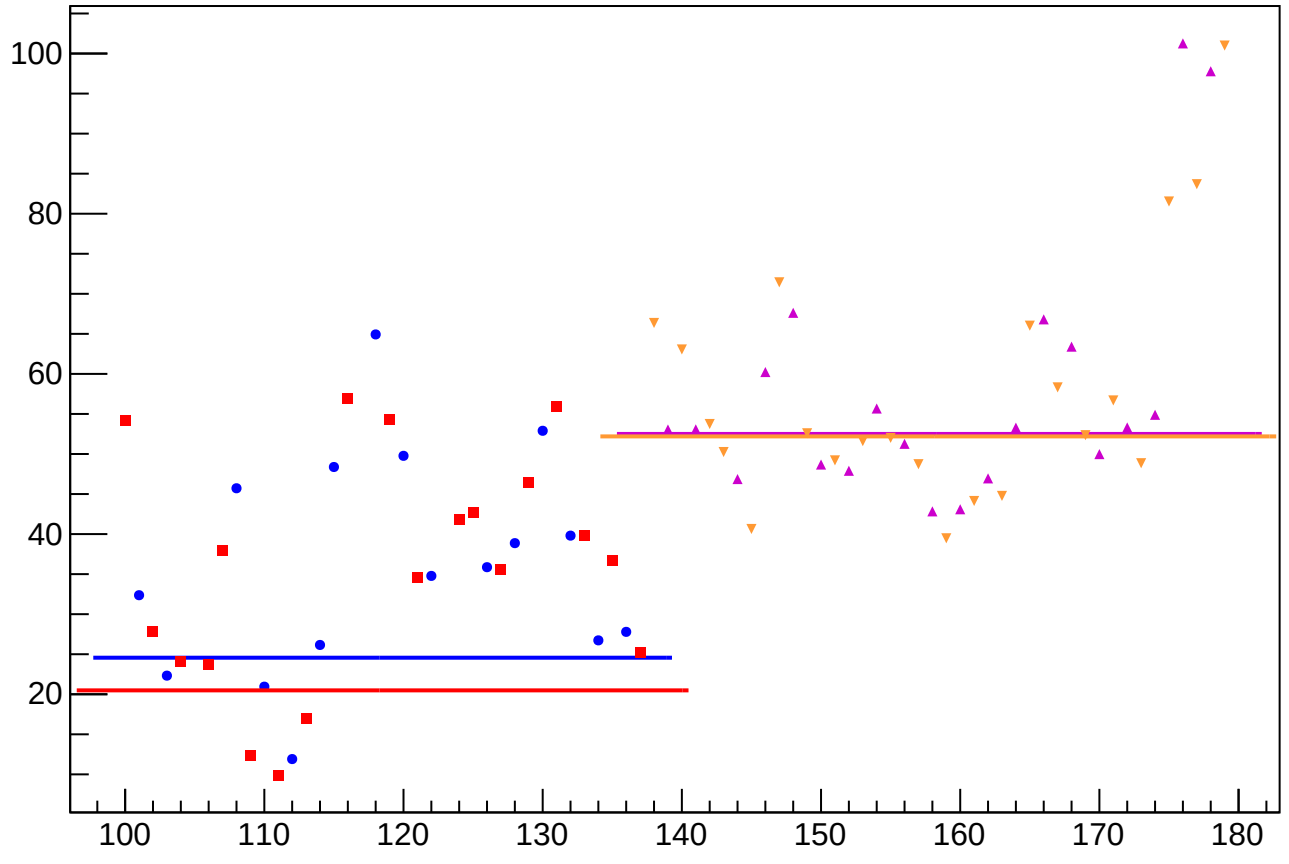
Right Out: -0.003+/-0.009 χ^2/NDF: 12.5/18

Left In: -0.008+/-0.013 χ^2/NDF:17.7/19

+ sign 0.002+/-0.008 χ^2/NDF: 42.3/37

All: -0.001+/-0.006 χ^2/NDF: 72.9/76

- sign -0.004+/-0.008 χ^2/NDF: 30.2/38



Right In: 24.566+/-0.007 χ^2/NDF: 2484434.5/15

Left Out: 52.196+/-0.009 χ^2/NDF:1512851.0/21

Right Out: 20.487+/-0.007 χ^2/NDF: 3583888.1/18

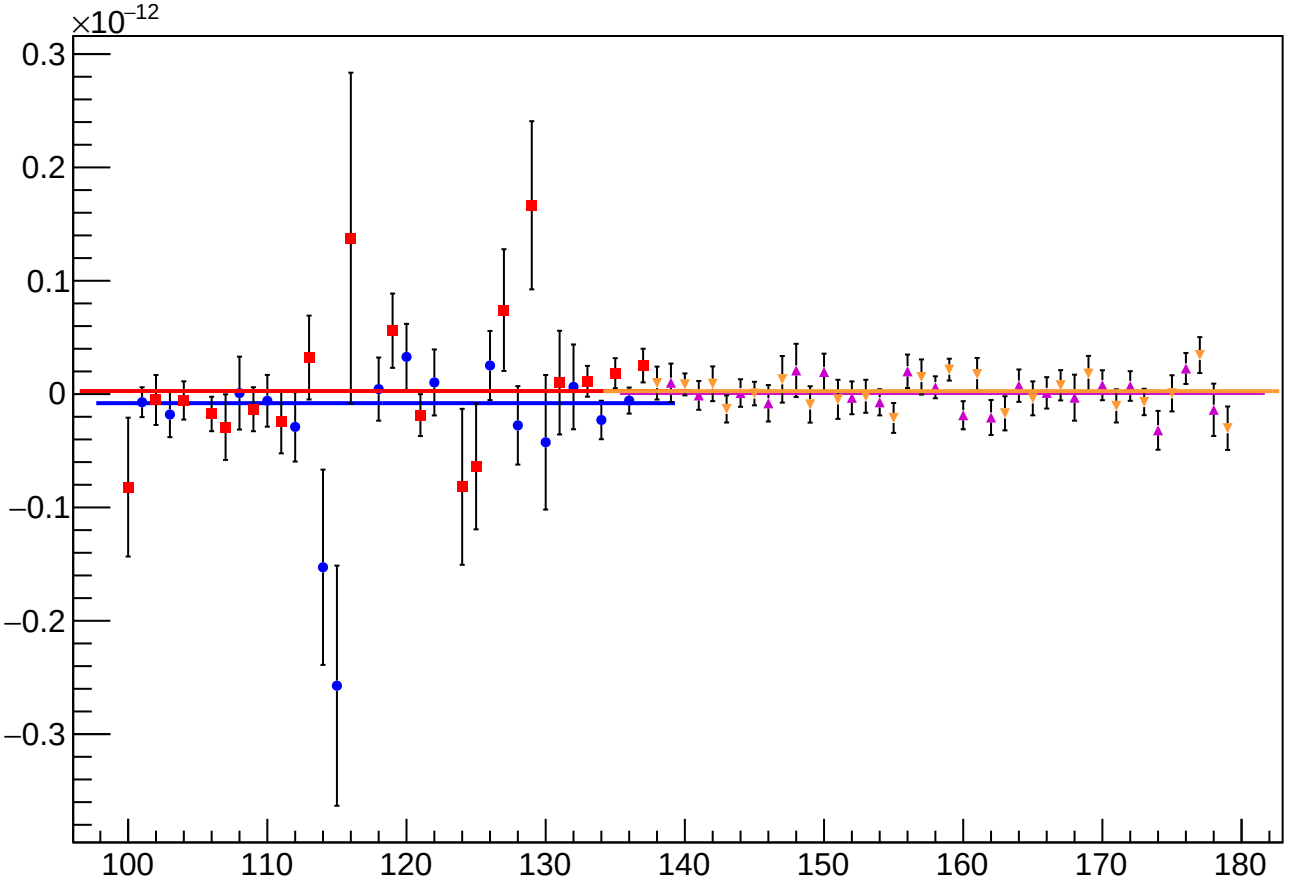
Left In: 52.504+/-0.009 χ^2/NDF:1076281.9/19

+ sign 35.647+/-0.006 χ^2/NDF: 9460905.6/37

All: 33.026+/-0.004 χ^2/NDF: 22237950.7/76

- sign 30.771+/-0.005 χ^2/NDF: 12396269.7/38

asym_sam5_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:23.9/21

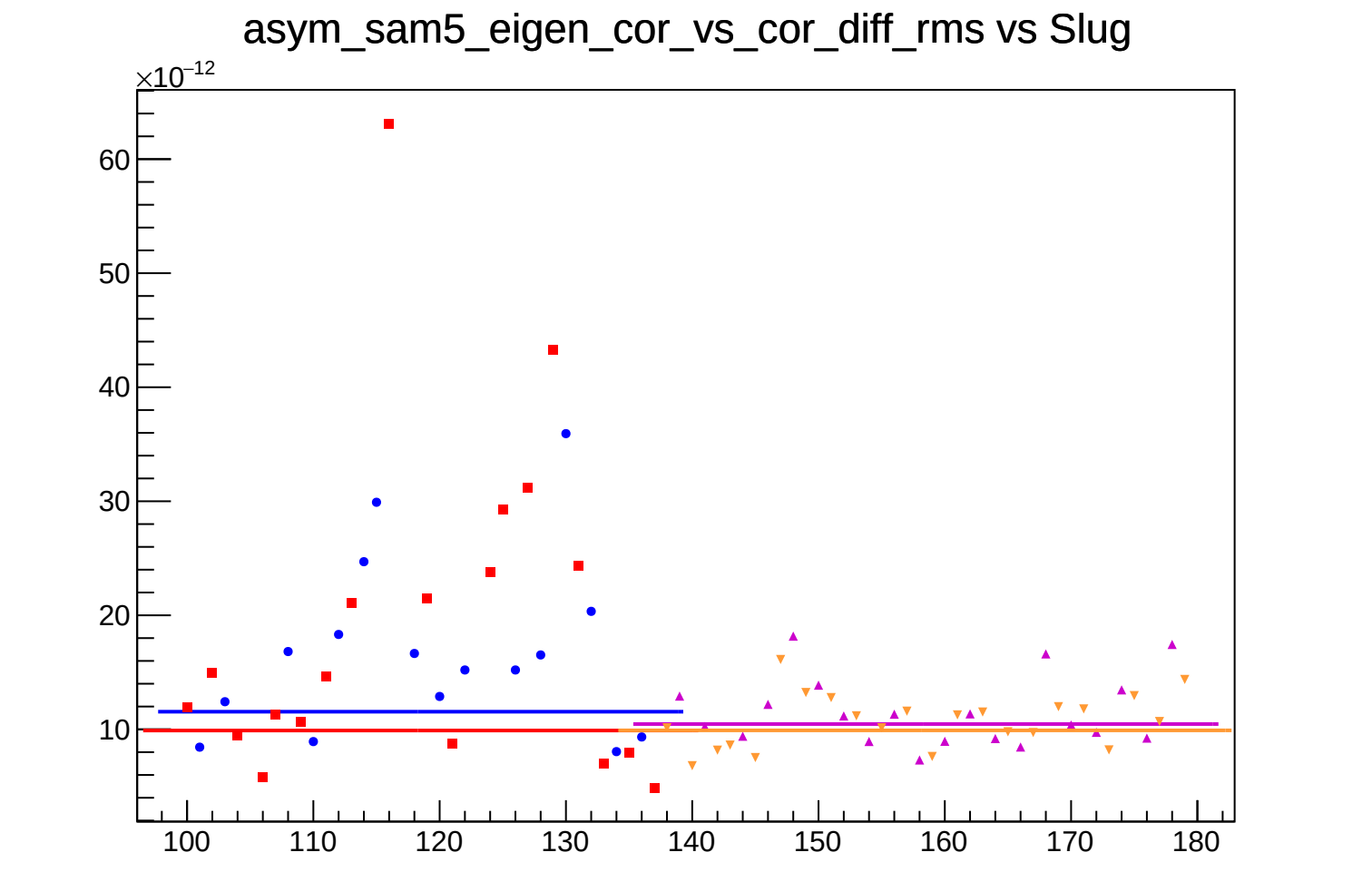
Right Out: 0.000+/-0.000 χ^2/NDF: 26.1/18

Left In: 0.000+/-0.000 χ^2/NDF:17.0/19

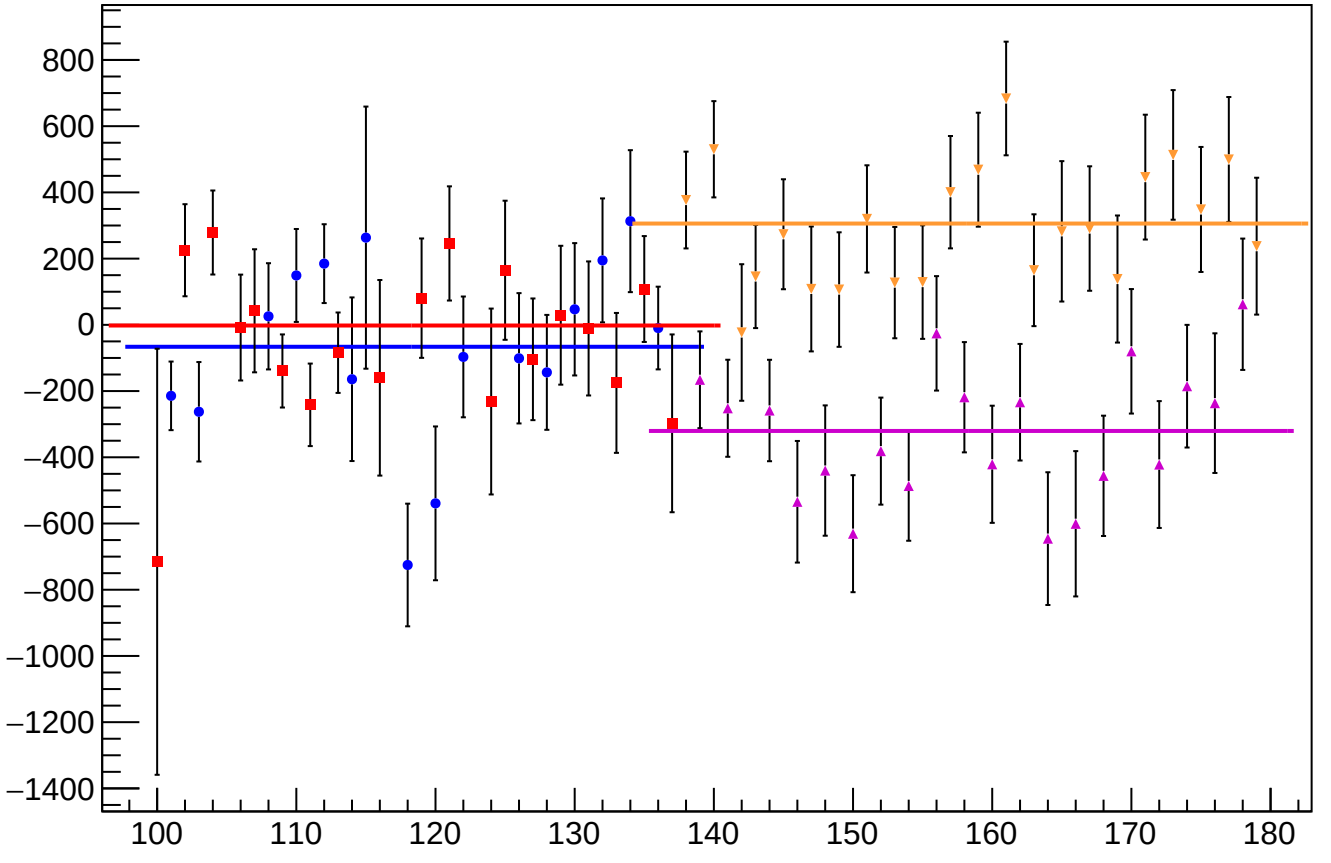
+ sign 0.000+/-0.000 χ^2/NDF: 41.1/37

All: 0.000+/-0.000 χ^2/NDF: 84.4/76

- sign 0.000+/-0.000 χ^2/NDF: 43.2/38


asym_sam5_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
60
50
40
30
20
10
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1179957.2/15
Left Out: 0.000+/-0.000 χ²/NDF:1176066.0/21
Right Out: 0.000+/-0.000 χ²/NDF: 2635766.2/18
Left In: 0.000+/-0.000 χ²/NDF:1189394.8/19
+ sign 0.000+/-0.000 χ²/NDF: 2483726.3/37
All: 0.000+/-0.000 χ²/NDF: 6326946.4/76
- sign 0.000+/-0.000 χ²/NDF: 3842591.6/38

reg_asym_sam6_mean vs Slug



Right In: -66.230+/-40.937 χ^2/NDF: 34.4/15

Left Out: 305.921+/-37.445 χ^2/NDF:21.3/21

Right Out: -2.017+/-38.866 χ^2/NDF: 21.1/18

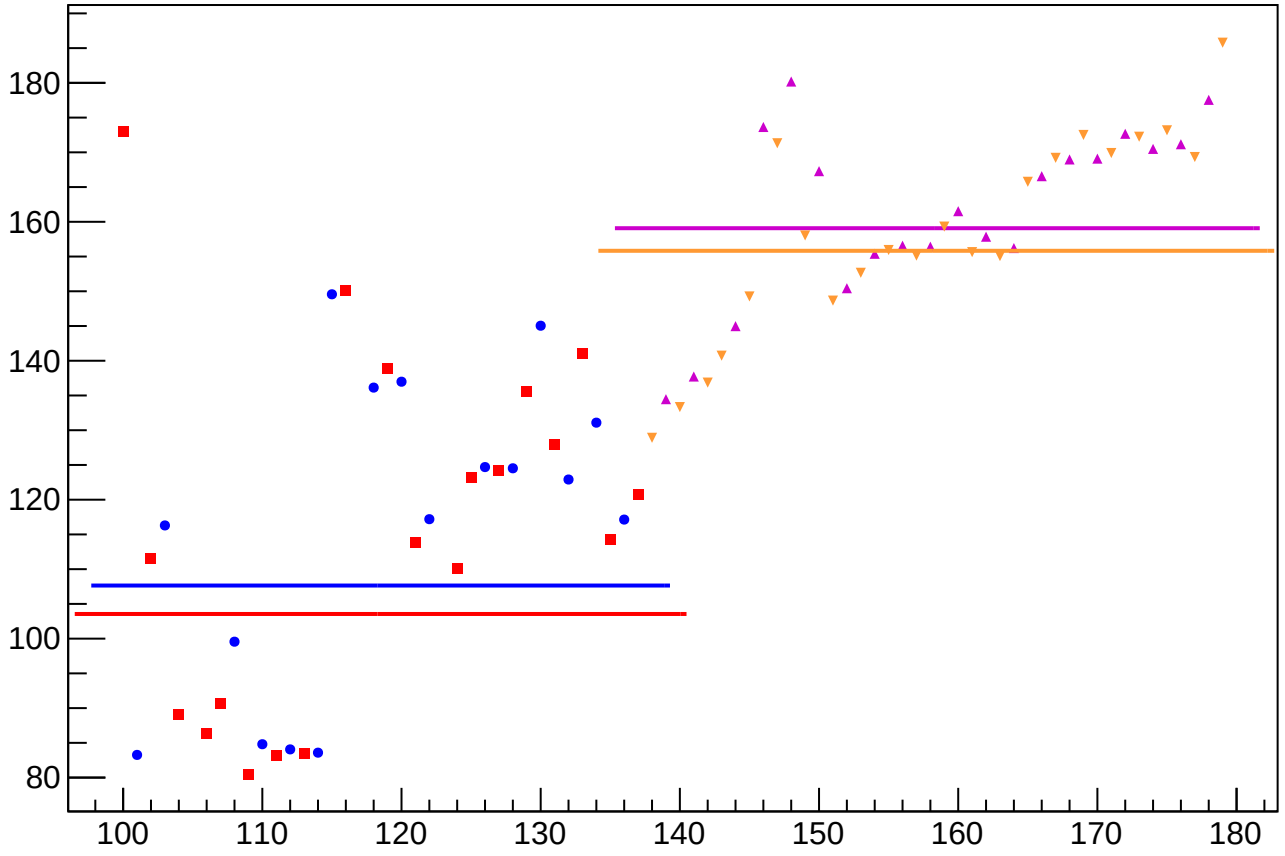
Left In: -320.483+/-39.510 χ^2/NDF:22.5/19

+ sign 136.393+/-27.630 χ^2/NDF: 100.7/37

All: -10.708+/-19.565 χ^2/NDF: 234.1/76

- sign -158.636+/-27.707 χ^2/NDF: 76.6/38

reg_asym_sam6_rms vs Slug



Right In: 107.644+/-0.029 χ^2/NDF: 532821.7/15

Left Out: 155.828+/-0.026 χ^2/NDF:297865.4/21

Right Out: 103.550+/-0.027 χ^2/NDF: 617345.0/18

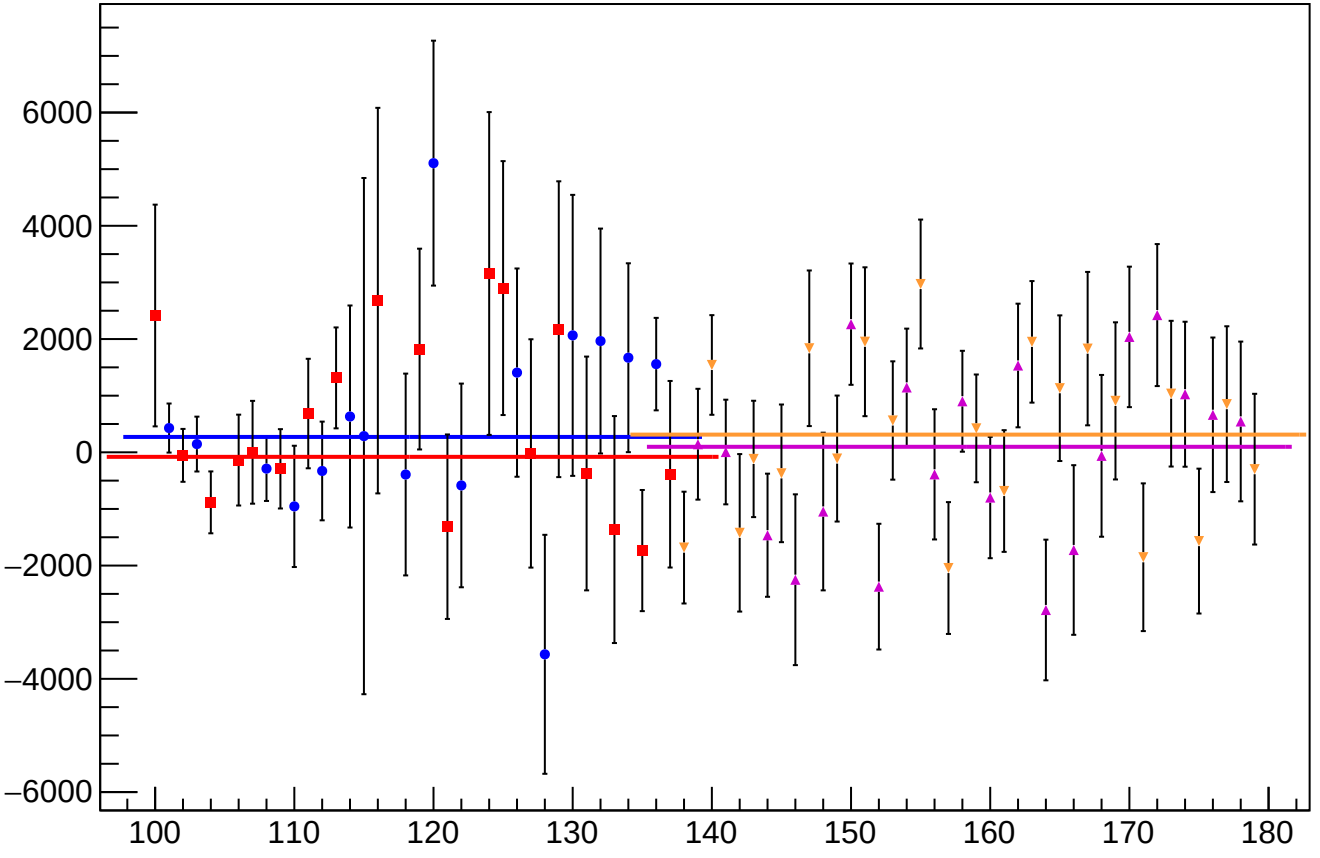
Left In: 159.078+/-0.028 χ^2/NDF:220069.5/19

+ sign 133.878+/-0.020 χ^2/NDF: 2339257.8/37

All: 132.372+/-0.014 χ^2/NDF: 5196247.0/76

- sign 130.858+/-0.020 χ^2/NDF: 2845072.8/38

asym_sam6_reg_correction_mean vs Slug



Right In: 271.505+/-230.663 χ^2/NDF: 16.5/15

Left Out: 312.509+/-248.391 χ^2/NDF:31.3/21

Right Out: -80.094+/-232.154 χ^2/NDF: 16.0/18

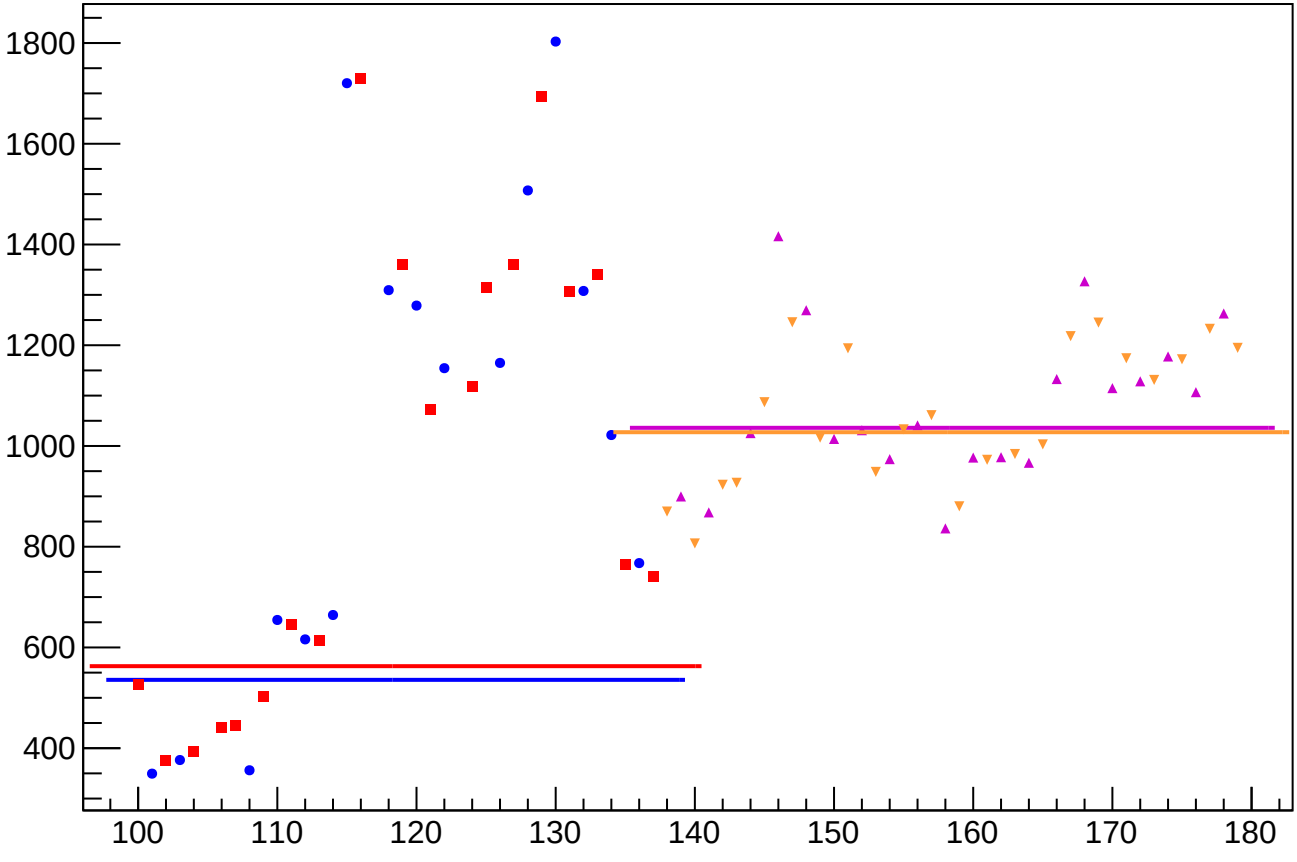
Left In: 97.273+/-259.281 χ^2/NDF:32.2/19

+ sign 290.491+/-169.023 χ^2/NDF: 47.8/37

All: 148.013+/-120.884 χ^2/NDF: 97.7/76

- sign -1.171+/-172.956 χ^2/NDF: 48.5/38

asym_sam6_reg_correction_rms vs Slug



Right In: 535.683+/-0.163 χ^2/NDF: 3632390.5/15

Left Out: 1027.331+/-0.176 χ^2/NDF:594046.4/21

Right Out: 562.845+/-0.164 χ^2/NDF: 3111031.5/18

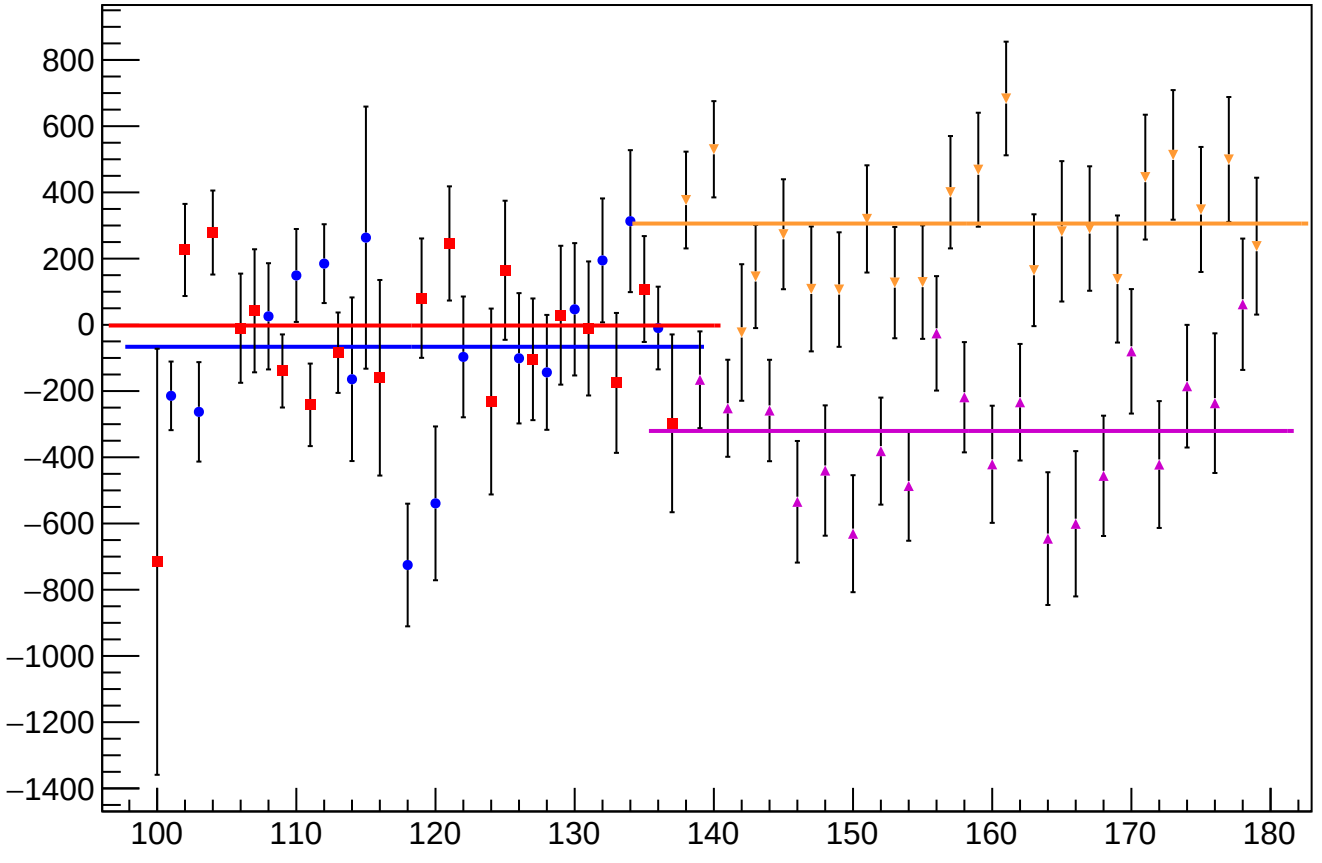
Left In: 1036.057+/-0.183 χ^2/NDF:607036.4/19

+ sign 763.337+/-0.120 χ^2/NDF: 8433756.6/37

All: 768.258+/-0.085 χ^2/NDF: 15852877.2/76

- sign 773.410+/-0.122 χ^2/NDF: 7415651.0/38

cor_asym_sam6_mean vs Slug



Right In: -66.256+/-40.937 χ^2/NDF: 34.4/15

Left Out: 305.920+/-37.445 χ^2/NDF:21.3/21

Right Out: -2.062+/-38.937 χ^2/NDF: 21.1/18

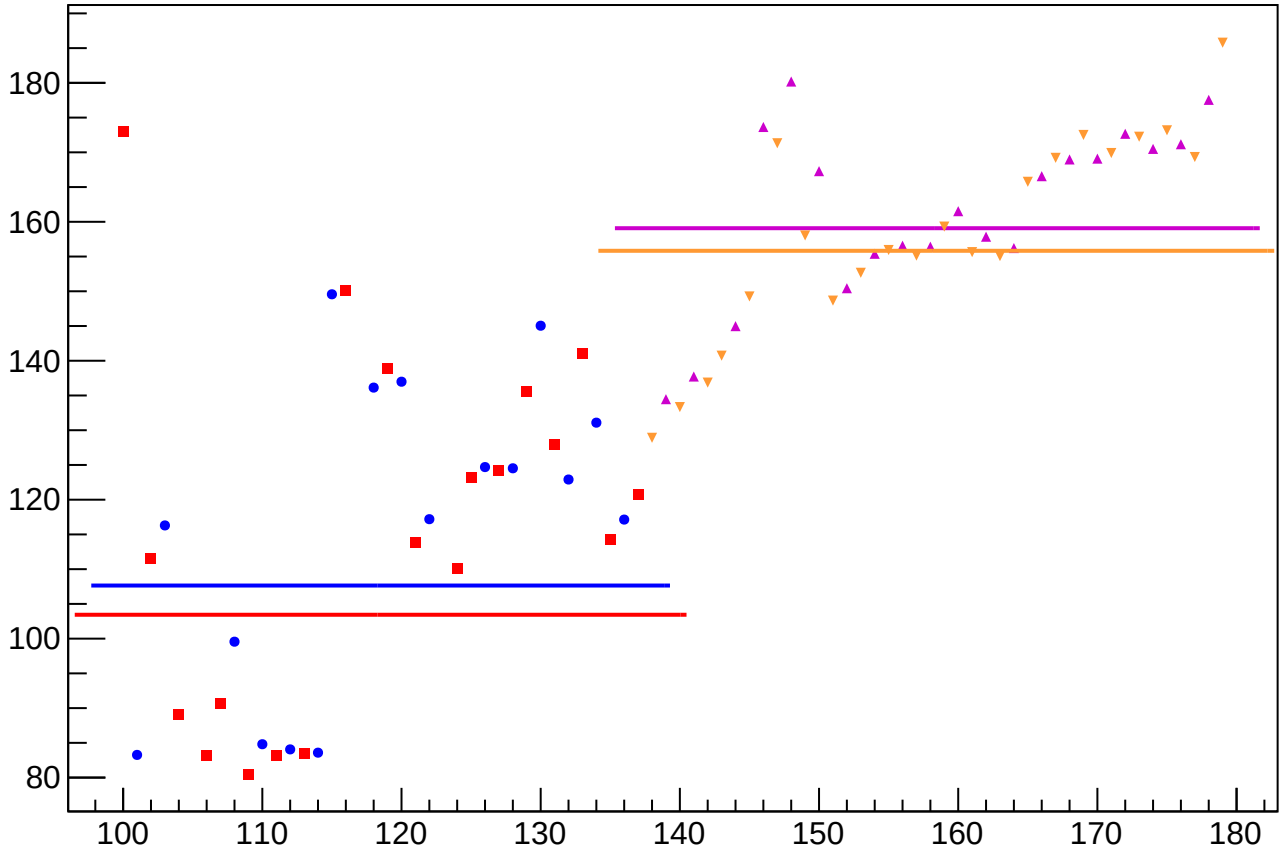
Left In: -320.488+/-39.510 χ^2/NDF:22.5/19

+ sign 136.381+/-27.630 χ^2/NDF: 100.7/37

All: -10.735+/-19.574 χ^2/NDF: 234.2/76

- sign -158.949+/-27.733 χ^2/NDF: 76.5/38

cor_asym_sam6_rms vs Slug



Right In: 107.644+/-0.029 χ^2/NDF: 532822.8/15

Left Out: 155.828+/-0.026 χ^2/NDF:297865.4/21

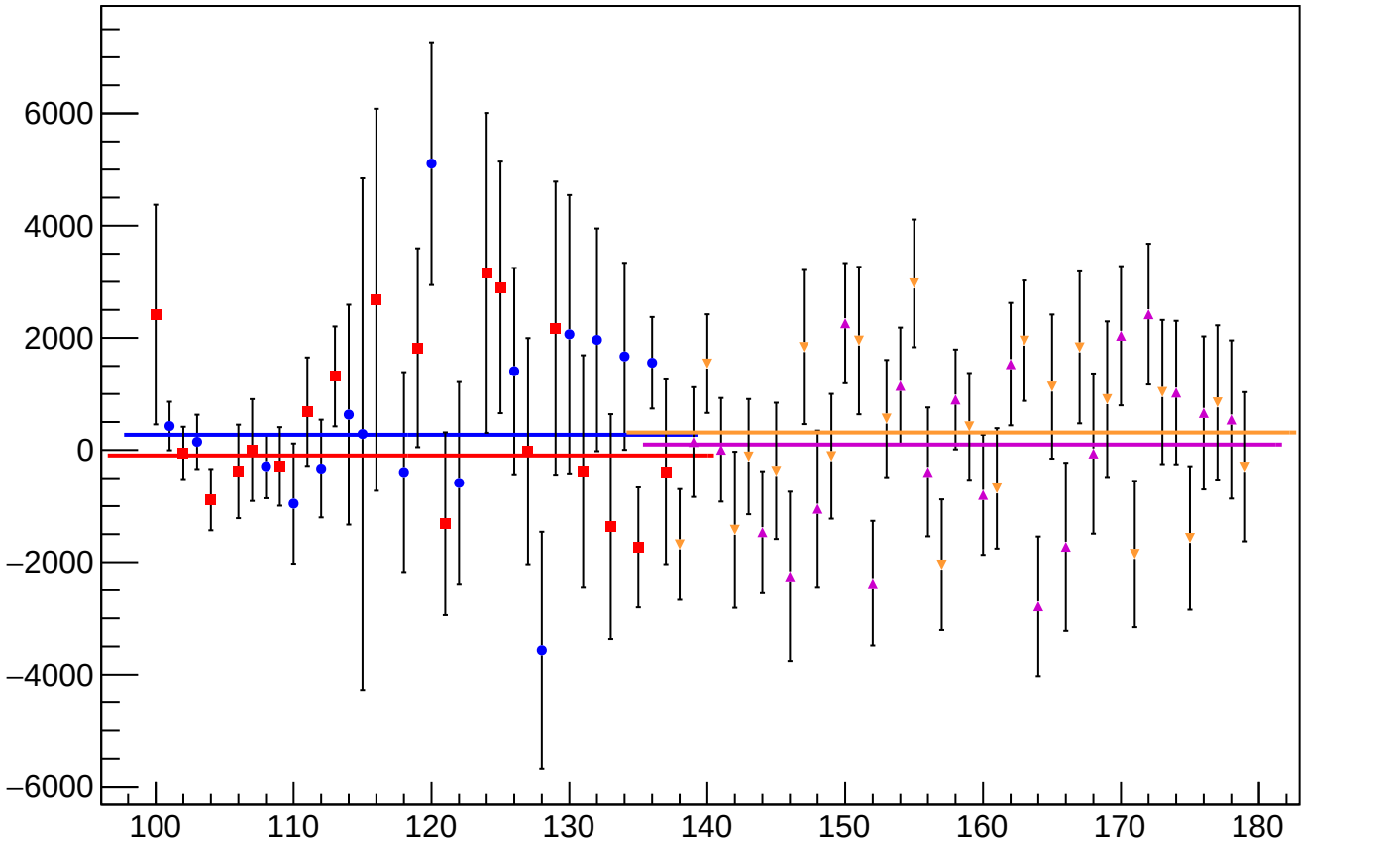
Right Out: 103.438+/-0.028 χ^2/NDF: 624750.2/18

Left In: 159.078+/-0.028 χ^2/NDF:220069.5/19

+ sign 133.878+/-0.020 χ^2/NDF: 2339255.2/37

All: 132.370+/-0.014 χ^2/NDF: 5208228.2/76

- sign 130.851+/-0.020 χ^2/NDF: 2857013.8/38



Right In: 271.645+/-230.655 χ^2/NDF: 16.5/15

Left Out: 312.515+/-248.391 χ^2/NDF:31.3/21

Right Out: -97.847+/-232.781 χ^2/NDF: 16.1/18

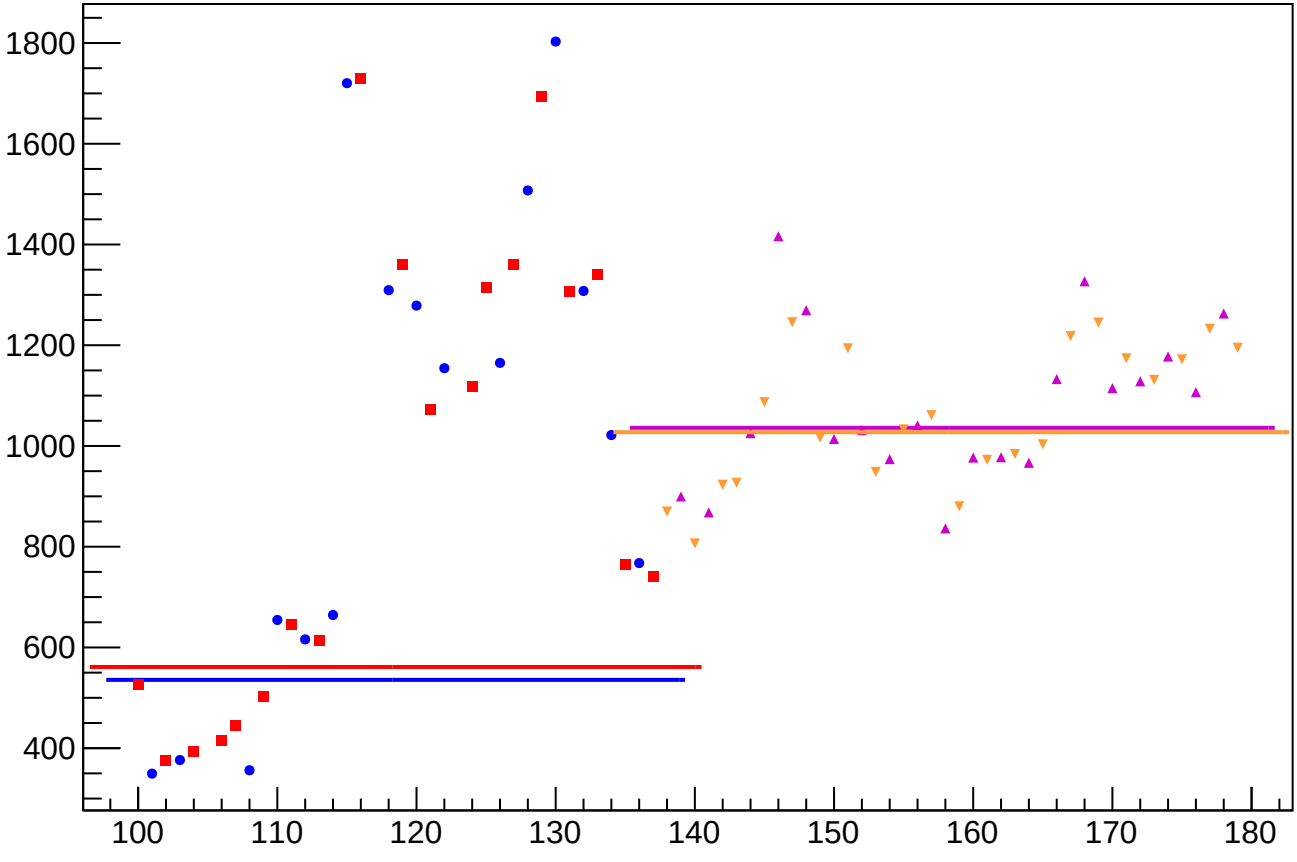
Left In: 97.273+/-259.281 χ^2/NDF:32.2/19

+ sign 290.569+/-169.021 χ^2/NDF: 47.8/37

All: 143.594+/-120.971 χ^2/NDF: 98.0/76

- sign -10.764+/-173.215 χ^2/NDF: 48.7/38

asym_sam6_cor_correction_rms vs Slug



Right In: 535.661+/-0.163 χ^2/NDF: 3632591.0/15

Left Out: 1027.331+/-0.176 χ^2/NDF:594045.6/21

Right Out: 561.270+/-0.165 χ^2/NDF: 3130760.7/18

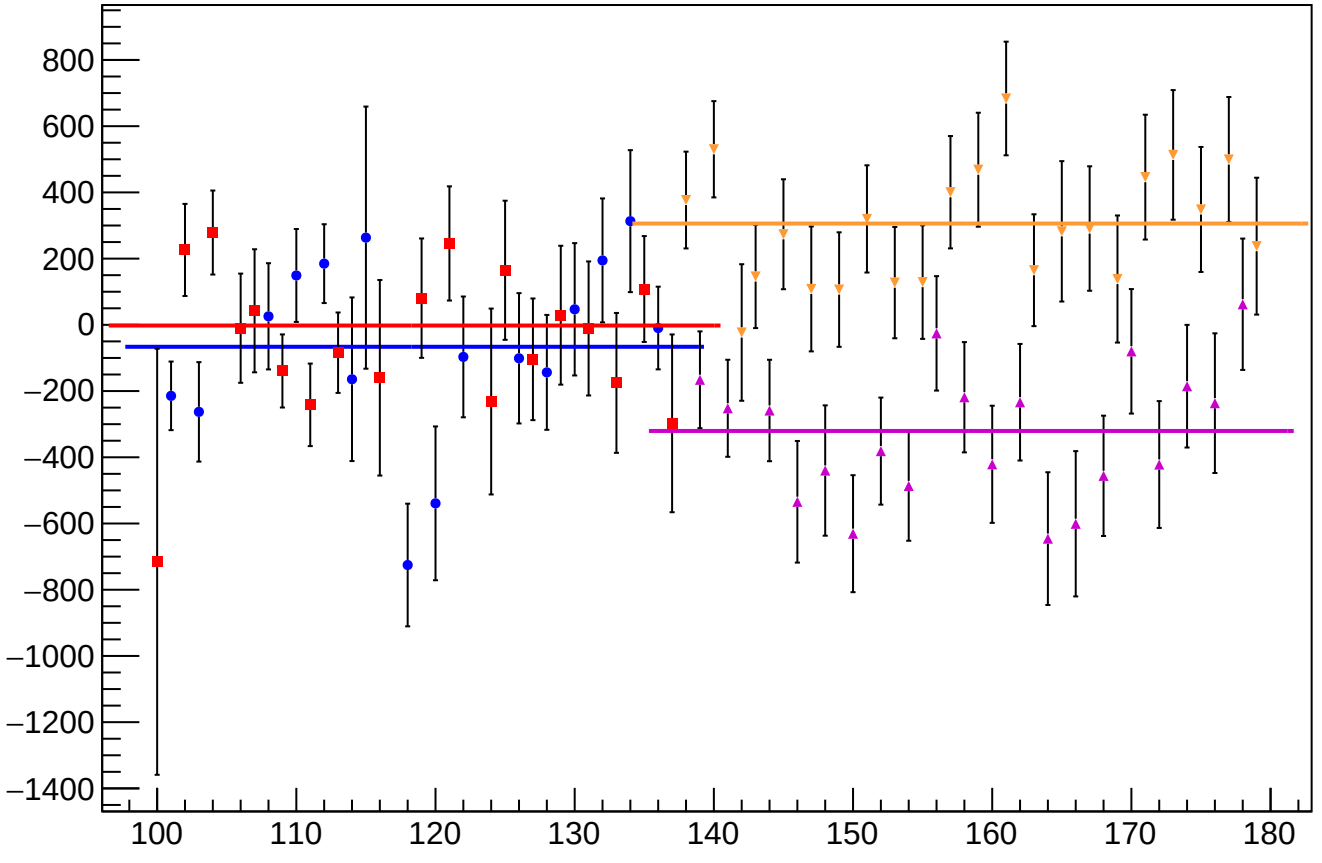
Left In: 1036.057+/-0.183 χ^2/NDF:607034.0/19

+ sign 763.318+/-0.120 χ^2/NDF: 8434451.8/37

All: 768.122+/-0.086 χ^2/NDF: 15888870.8/76

- sign 773.168+/-0.122 χ^2/NDF: 7451106.2/38

eigen_cor_asym_sam6_mean vs Slug



Right In: -66.256+/-40.937 χ^2/NDF: 34.4/15

Left Out: 305.920+/-37.445 χ^2/NDF:21.3/21

Right Out: -2.062+/-38.937 χ^2/NDF: 21.1/18

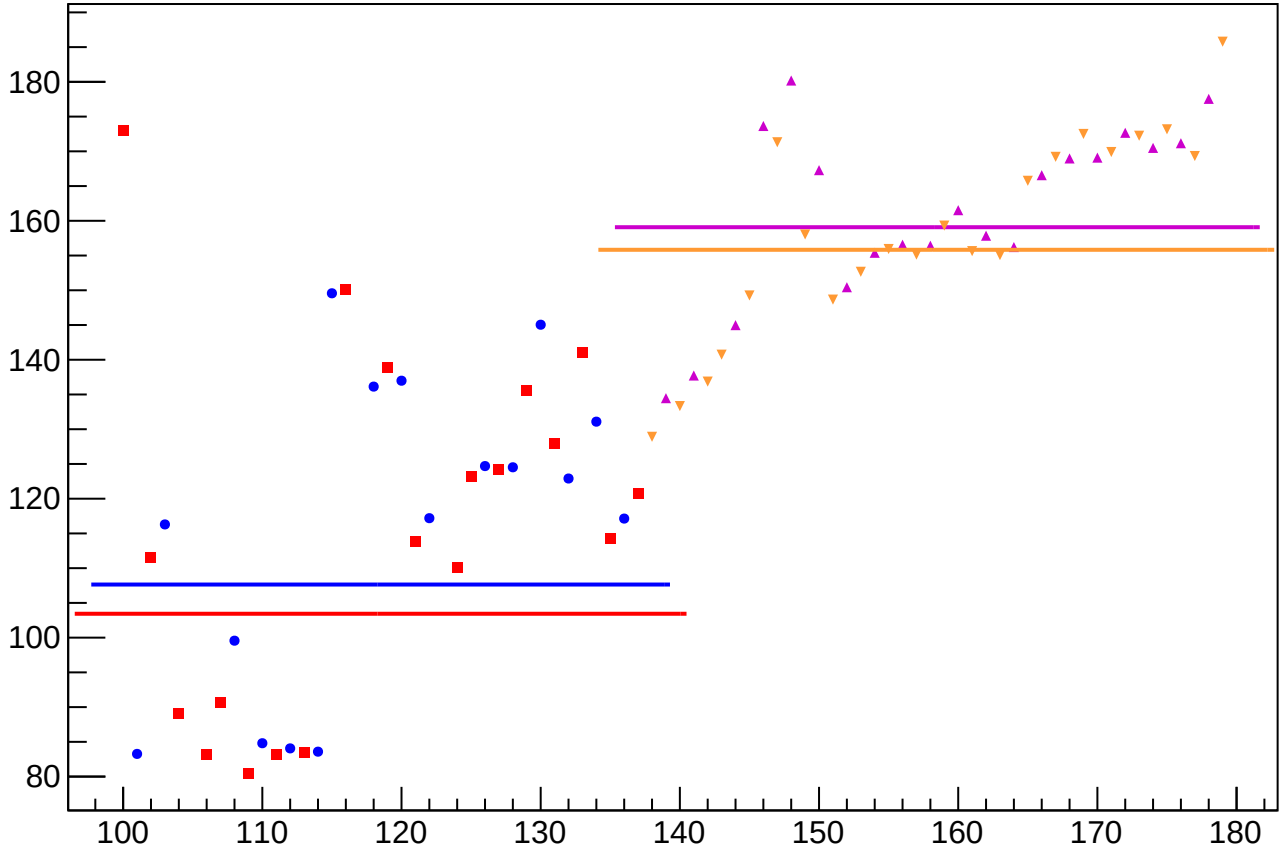
Left In: -320.488+/-39.510 χ^2/NDF:22.5/19

+ sign 136.381+/-27.630 χ^2/NDF: 100.7/37

All: -10.735+/-19.574 χ^2/NDF: 234.2/76

- sign -158.949+/-27.733 χ^2/NDF: 76.5/38

eigen_cor_asym_sam6_rms vs Slug



Right In: 107.644+/-0.029 χ^2/NDF: 532822.8/15

Left Out: 155.828+/-0.026 χ^2/NDF:297865.4/21

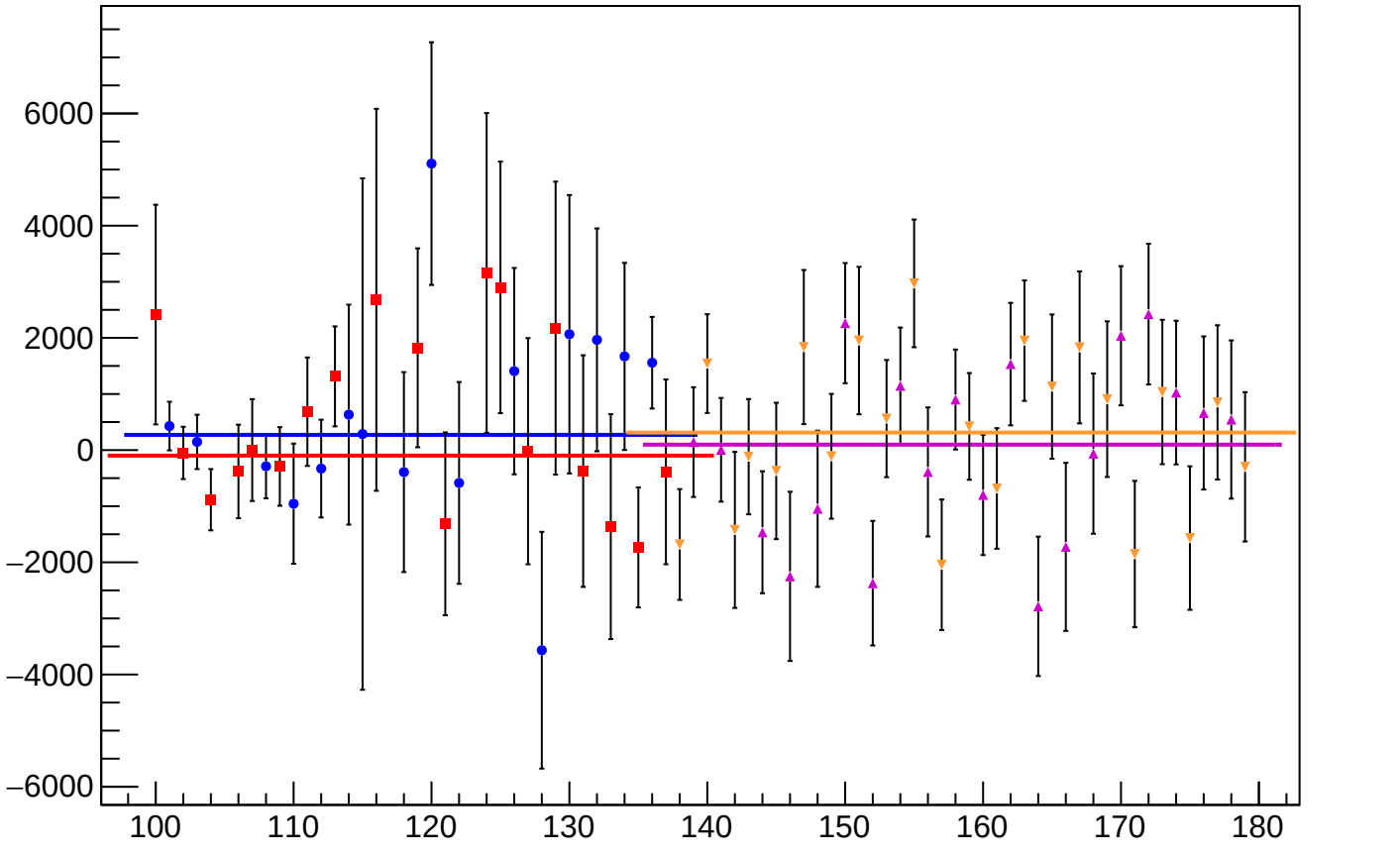
Right Out: 103.438+/-0.028 χ^2/NDF: 624750.2/18

Left In: 159.078+/-0.028 χ^2/NDF:220069.5/19

+ sign 133.878+/-0.020 χ^2/NDF: 2339255.2/37

All: 132.370+/-0.014 χ^2/NDF: 5208228.2/76

- sign 130.851+/-0.020 χ^2/NDF: 2857013.8/38



Right In: 271.645+/-230.655 χ^2/NDF: 16.5/15

Left Out: 312.515+/-248.391 χ^2/NDF:31.3/21

Right Out: -97.847+/-232.781 χ^2/NDF: 16.1/18

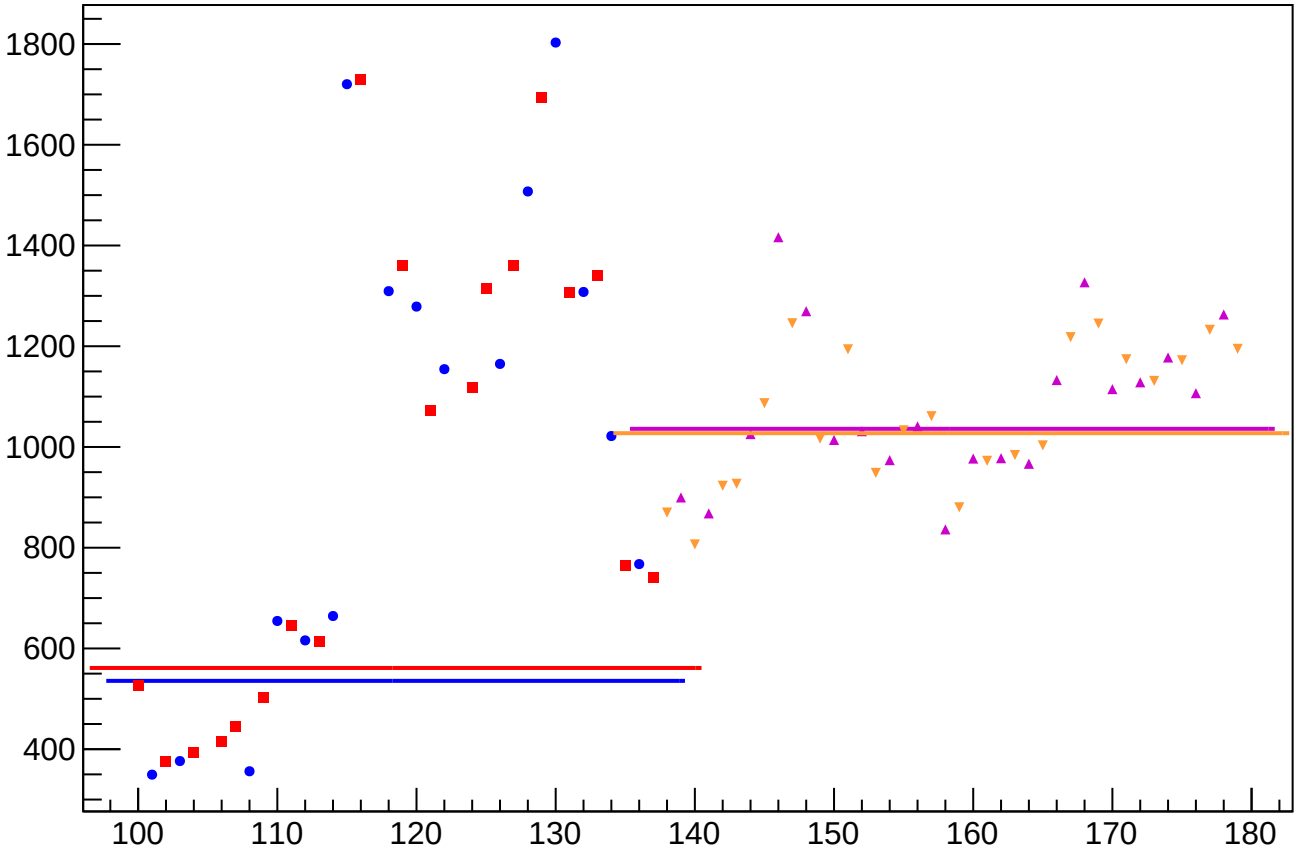
Left In: 97.273+/-259.281 χ^2/NDF:32.2/19

+ sign 290.569+/-169.021 χ^2/NDF: 47.8/37

All: 143.594+/-120.971 χ^2/NDF: 98.0/76

- sign -10.764+/-173.215 χ^2/NDF: 48.7/38

asym_sam6_eigen_cor_correction_rms vs Slug



Right In: 535.661+/-0.163 χ^2/NDF: 3632591.0/15

Left Out: 1027.331+/-0.176 χ^2/NDF:594045.6/21

Right Out: 561.270+/-0.165 χ^2/NDF: 3130760.7/18

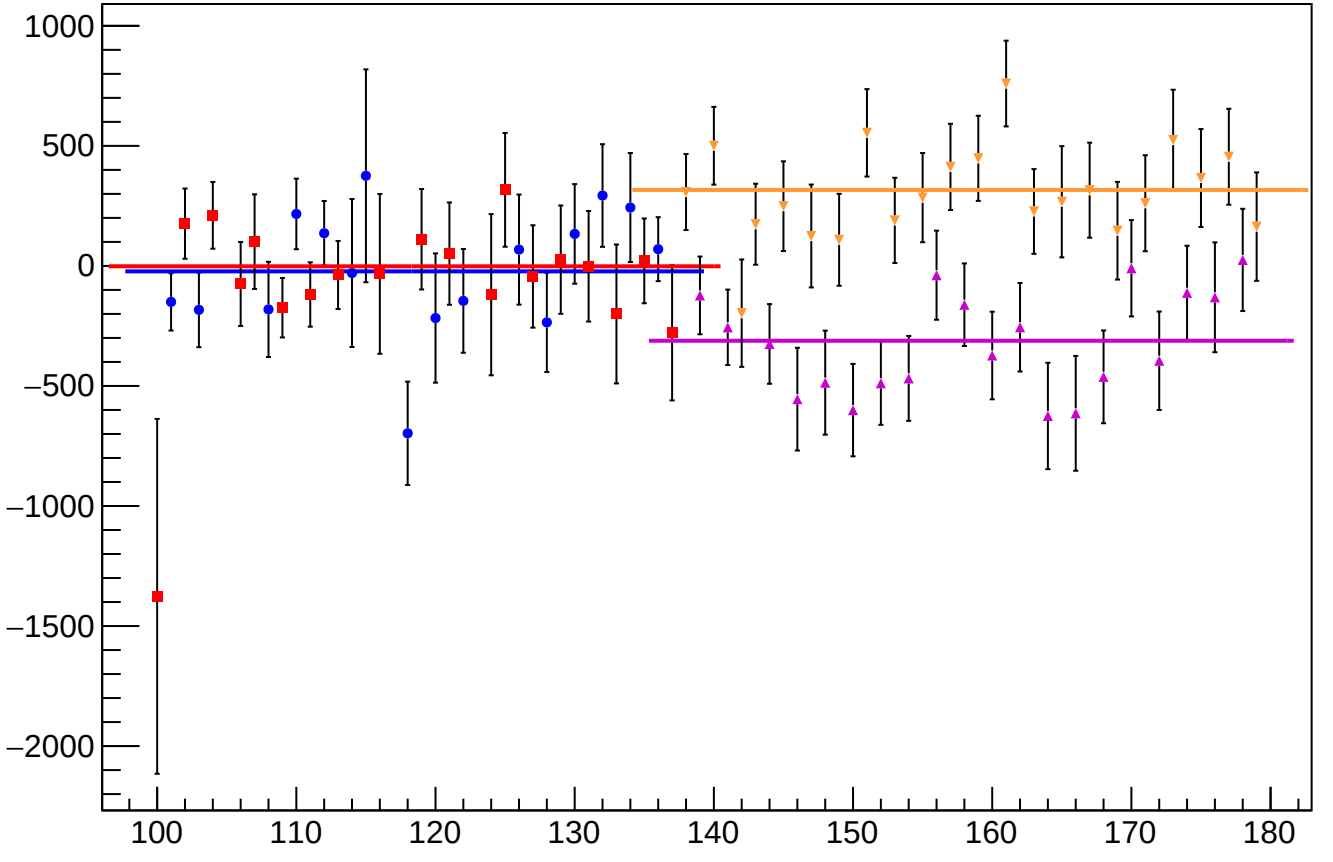
Left In: 1036.057+/-0.183 χ^2/NDF:607034.0/19

+ sign 763.318+/-0.120 χ^2/NDF: 8434451.8/37

All: 768.122+/-0.086 χ^2/NDF: 15888870.8/76

- sign 773.168+/-0.122 χ^2/NDF: 7451106.2/38

dit_asym_sam6_mean vs Slug



Right In: -22.678+/-45.908 χ^2/NDF: 24.2/15

Left Out: 316.458+/-40.395 χ^2/NDF:21.7/21

Right Out: -1.600+/-43.563 χ^2/NDF: 14.3/18

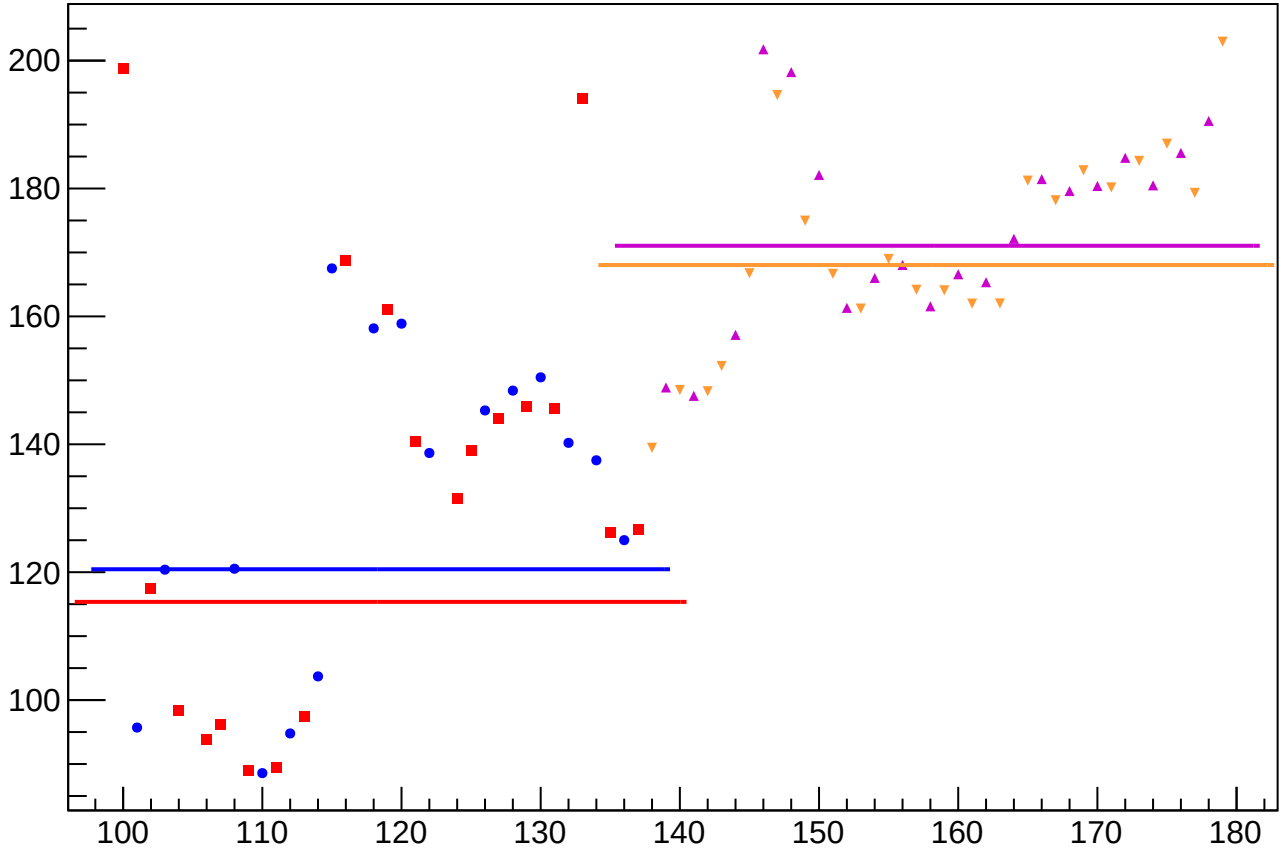
Left In: -311.741+/-42.517 χ^2/NDF:21.4/19

+ sign 168.468+/-30.326 χ^2/NDF: 76.6/37

All: 4.560+/-21.479 χ^2/NDF: 196.9/76

- sign -160.439+/-30.427 χ^2/NDF: 61.7/38

dit_asym_sam6_rms vs Slug



Right In: 120.458+/-0.032 χ^2/NDF: 530331.6/15

Left Out: 168.032+/-0.029 χ^2/NDF:283876.1/21

Right Out: 115.357+/-0.031 χ^2/NDF: 767236.0/18

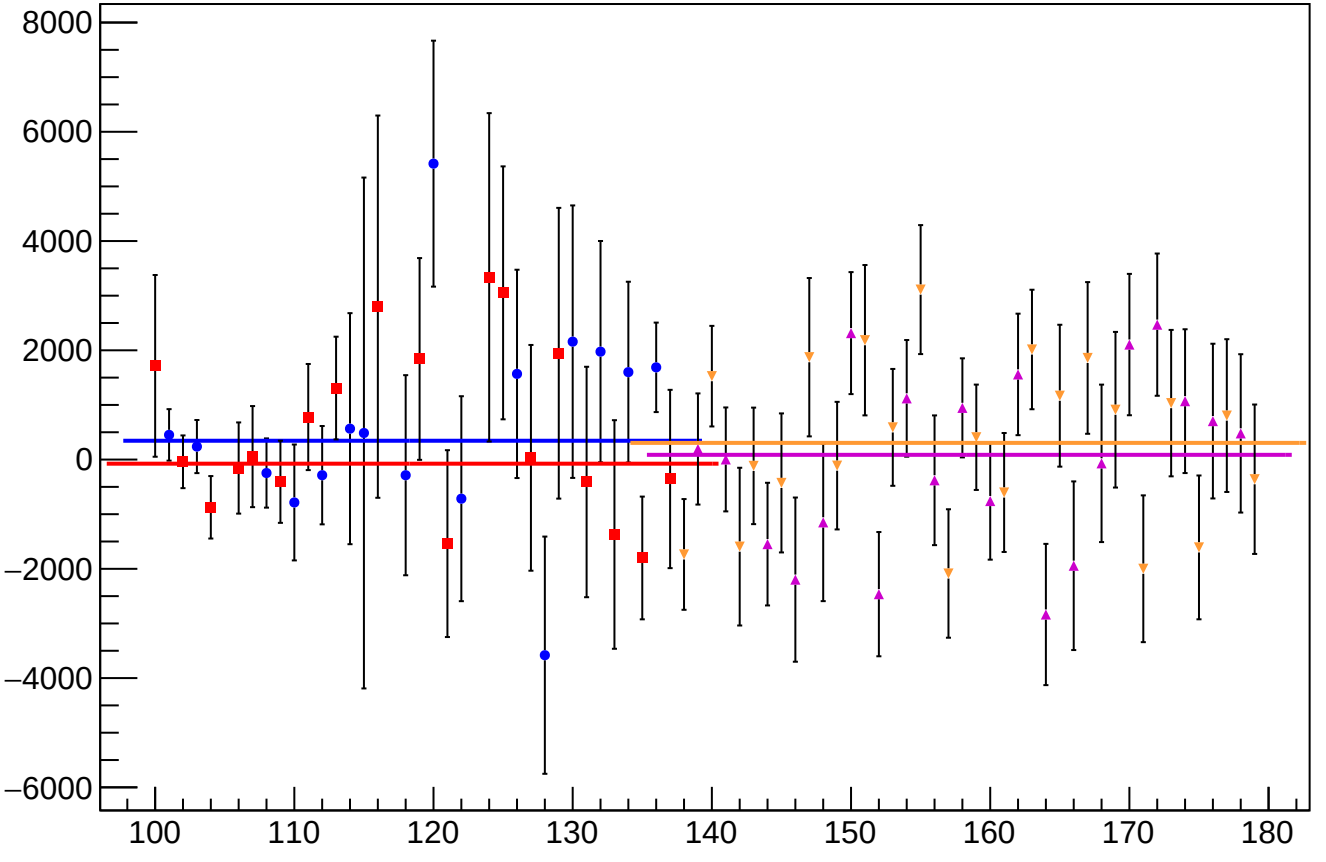
Left In: 171.046+/-0.030 χ^2/NDF:243703.6/19

+ sign 147.272+/-0.021 χ^2/NDF: 2024743.5/37

All: 145.581+/-0.015 χ^2/NDF: 4722097.4/76

- sign 143.878+/-0.022 χ^2/NDF: 2684871.4/38

asym_sam6_dit_correction_mean vs Slug



Right In: 344.437+/-241.532 χ^2/NDF: 16.2/15

Left Out: 305.365+/-255.849 χ^2/NDF:31.8/21

Right Out: -75.434+/-240.479 χ^2/NDF: 15.3/18

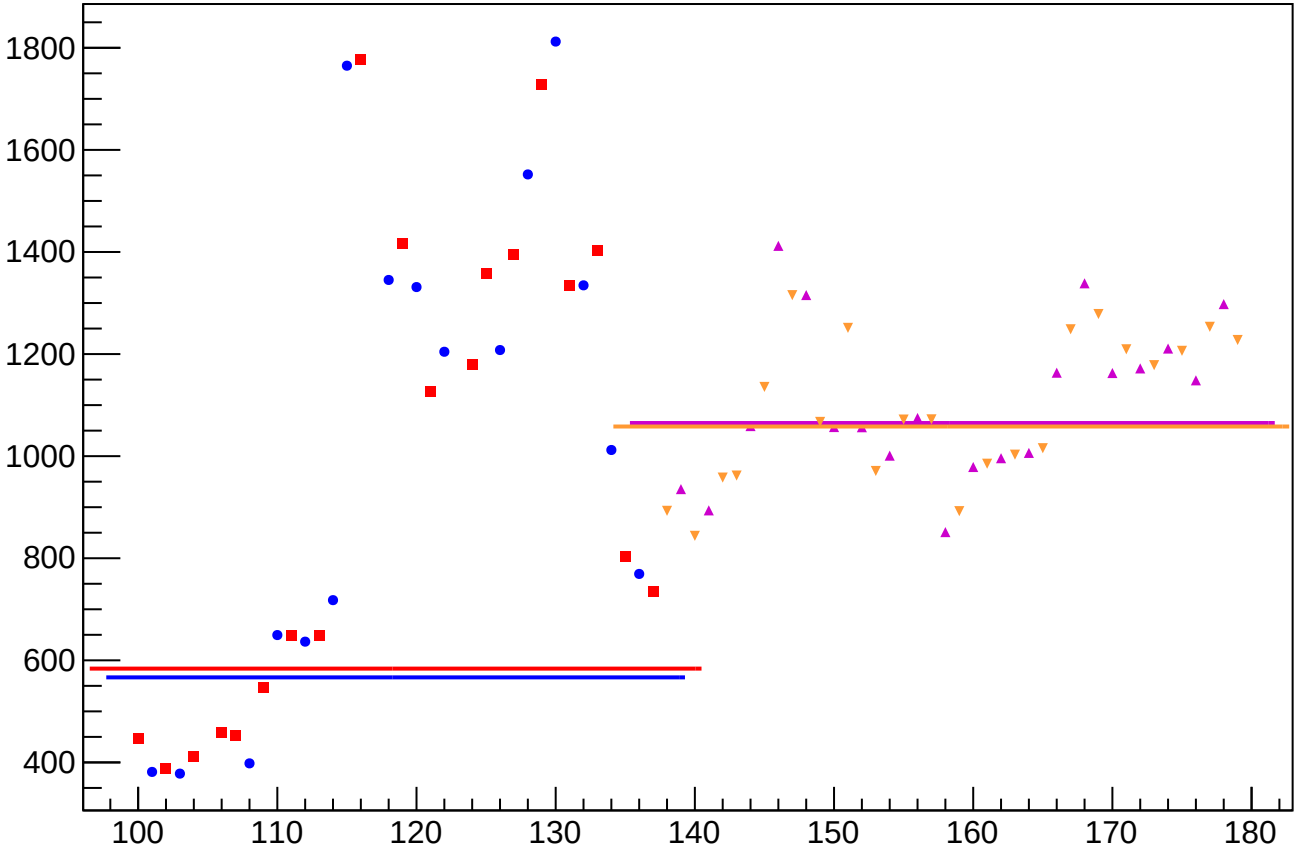
Left In: 86.575+/-266.480 χ^2/NDF:32.0/19

+ sign 326.025+/-175.632 χ^2/NDF: 48.1/37

All: 164.345+/-125.203 χ^2/NDF: 97.3/76

- sign -2.717+/-178.531 χ^2/NDF: 47.5/38

asym_sam6_dit_correction_rms vs Slug



Right In: 566.603+/-0.171 χ^2/NDF: 3432440.2/15

Left Out: 1058.080+/-0.181 χ^2/NDF:608524.2/21

Right Out: 583.794+/-0.170 χ^2/NDF: 3107513.6/18

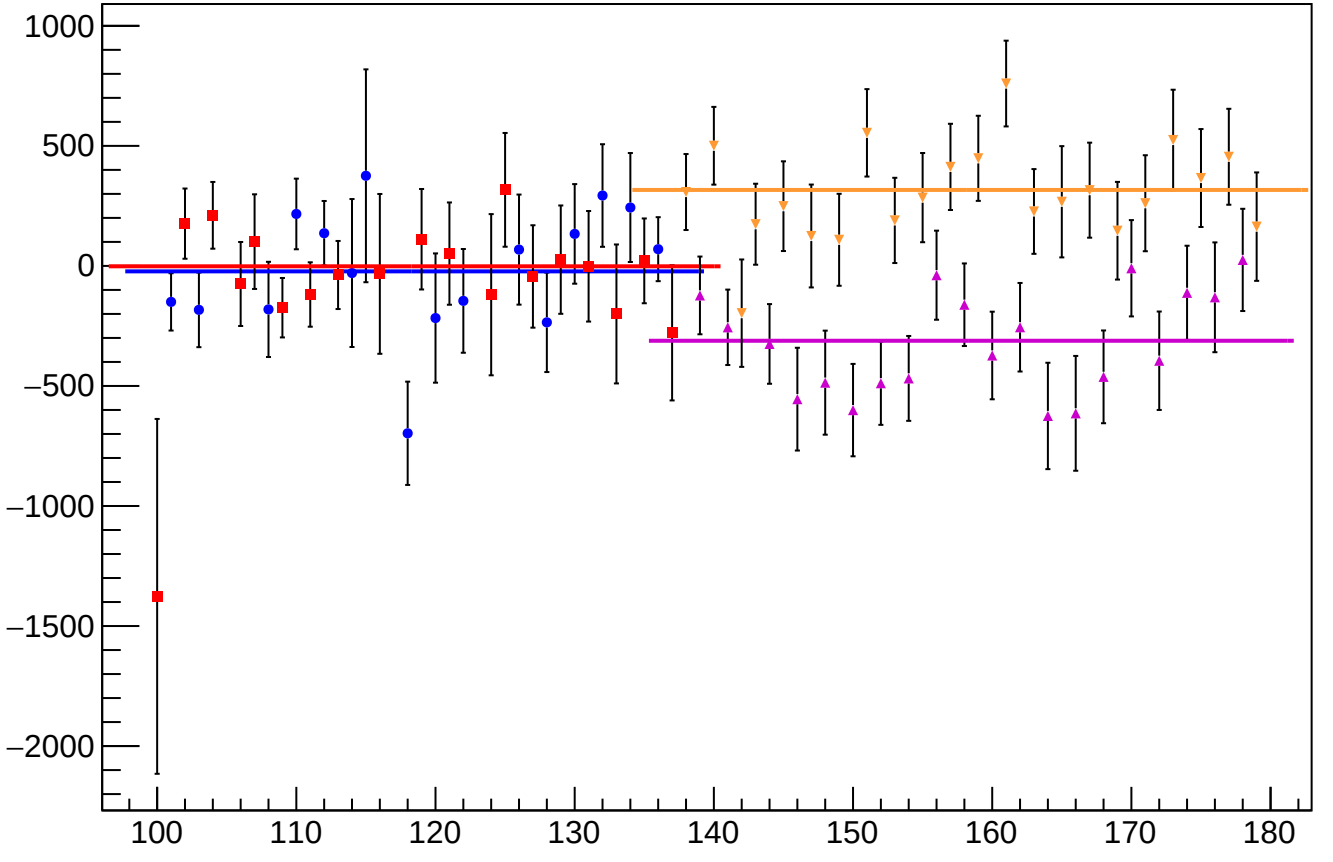
Left In: 1064.919+/-0.188 χ^2/NDF:596090.6/19

+ sign 798.206+/-0.124 χ^2/NDF: 7943336.0/37

All: 798.963+/-0.089 χ^2/NDF: 15240285.7/76

- sign 799.746+/-0.126 χ^2/NDF: 7296874.1/38

eigen_dit_asym_sam6_mean vs Slug



Right In: -22.680+/-45.908 χ^2/NDF: 24.2/15

Left Out: 316.459+/-40.395 χ^2/NDF:21.7/21

Right Out: -1.601+/-43.563 χ^2/NDF: 14.3/18

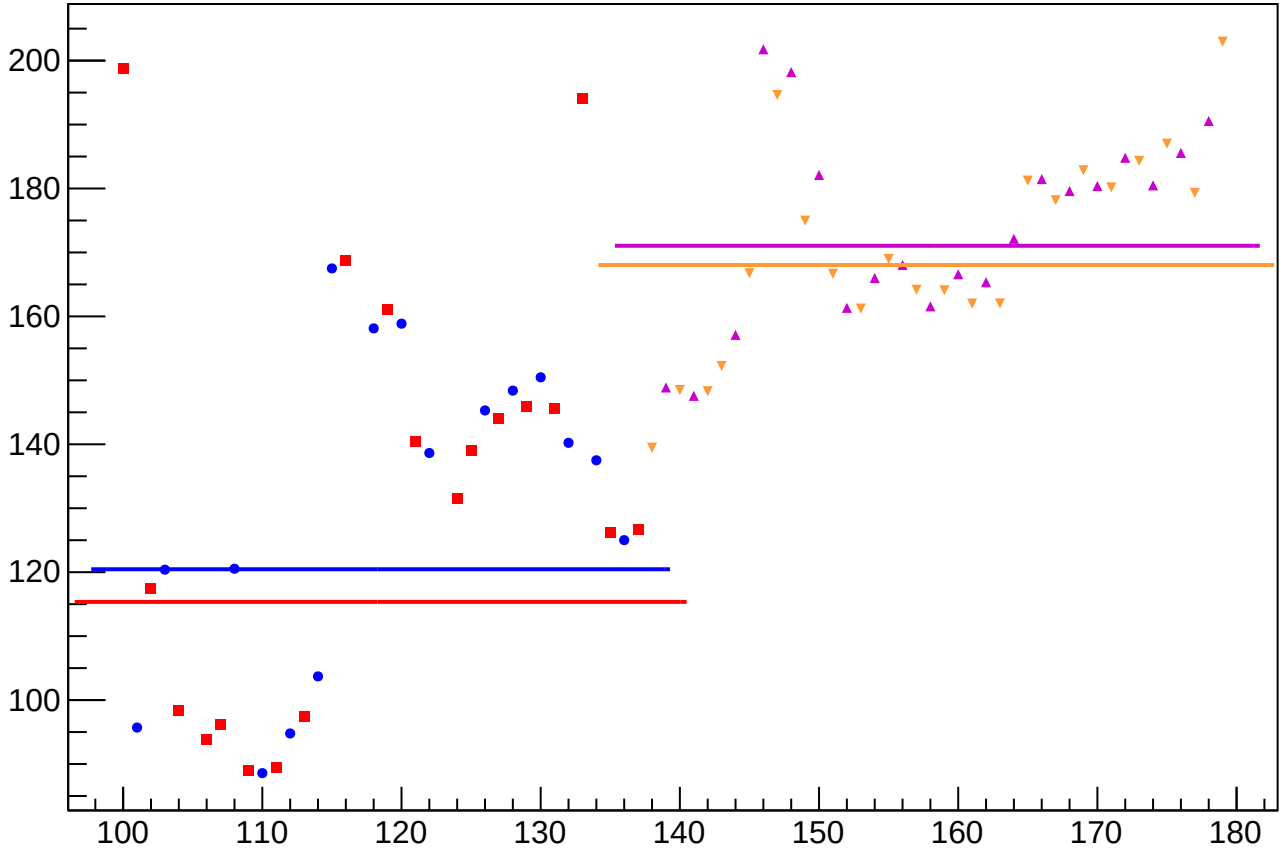
Left In: -311.741+/-42.517 χ^2/NDF:21.4/19

+ sign 168.468+/-30.326 χ^2/NDF: 76.6/37

All: 4.559+/-21.479 χ^2/NDF: 196.9/76

- sign -160.440+/-30.427 χ^2/NDF: 61.7/38

eigen_dit_asym_sam6_rms vs Slug



Right In: 120.458+/-0.032 χ^2/NDF: 530335.0/15

Left Out: 168.032+/-0.029 χ^2/NDF:283875.8/21

Right Out: 115.357+/-0.031 χ^2/NDF: 767234.8/18

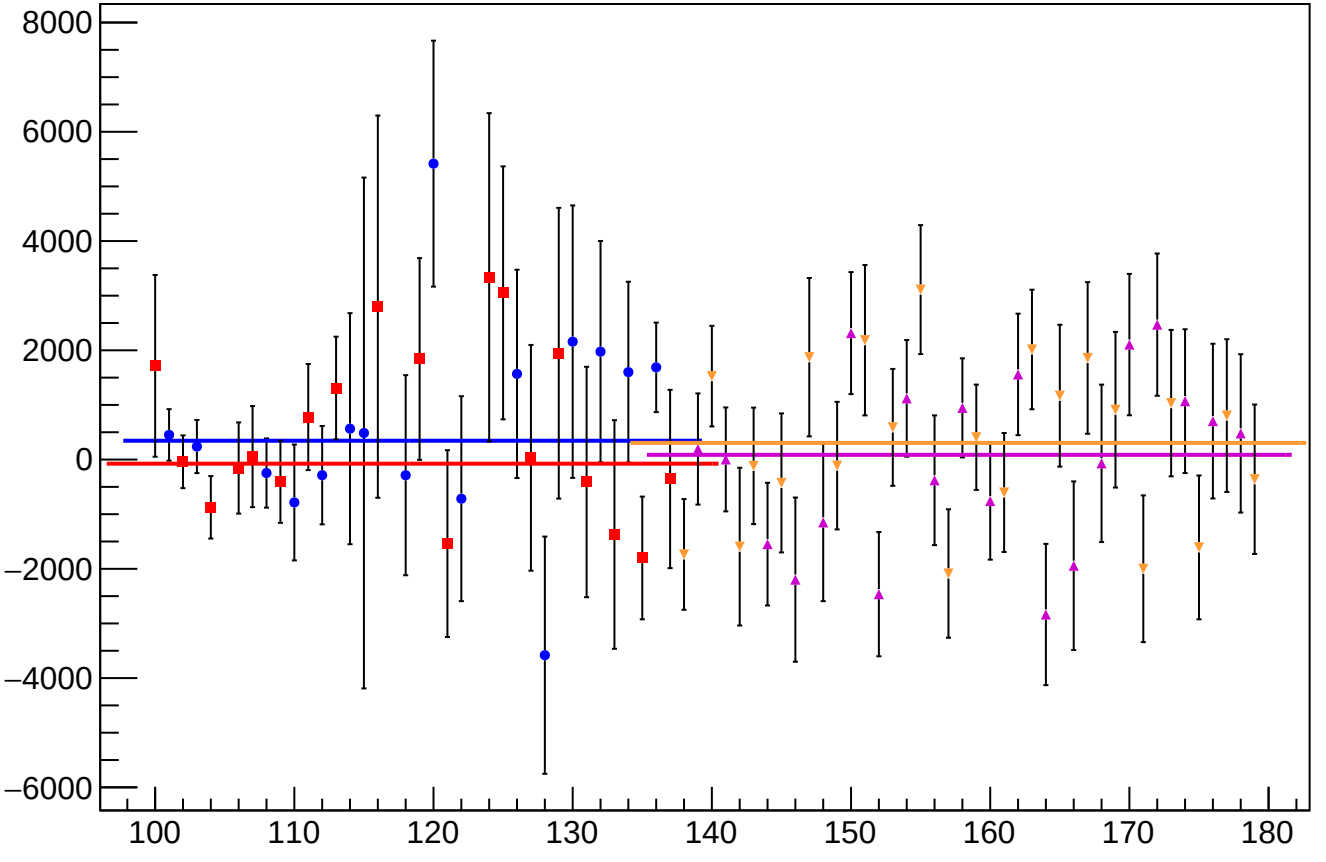
Left In: 171.046+/-0.030 χ^2/NDF:243703.9/19

+ sign 147.272+/-0.021 χ^2/NDF: 2024753.8/37

All: 145.581+/-0.015 χ^2/NDF: 4722111.7/76

- sign 143.878+/-0.022 χ^2/NDF: 2684875.7/38

asym_sam6_eigen_dit_correction_mean vs Slug



Right In: 344.436+/-241.531 χ^2/NDF: 16.2/15

Left Out: 305.367+/-255.849 χ^2/NDF:31.8/21

Right Out: -75.435+/-240.479 χ^2/NDF: 15.3/18

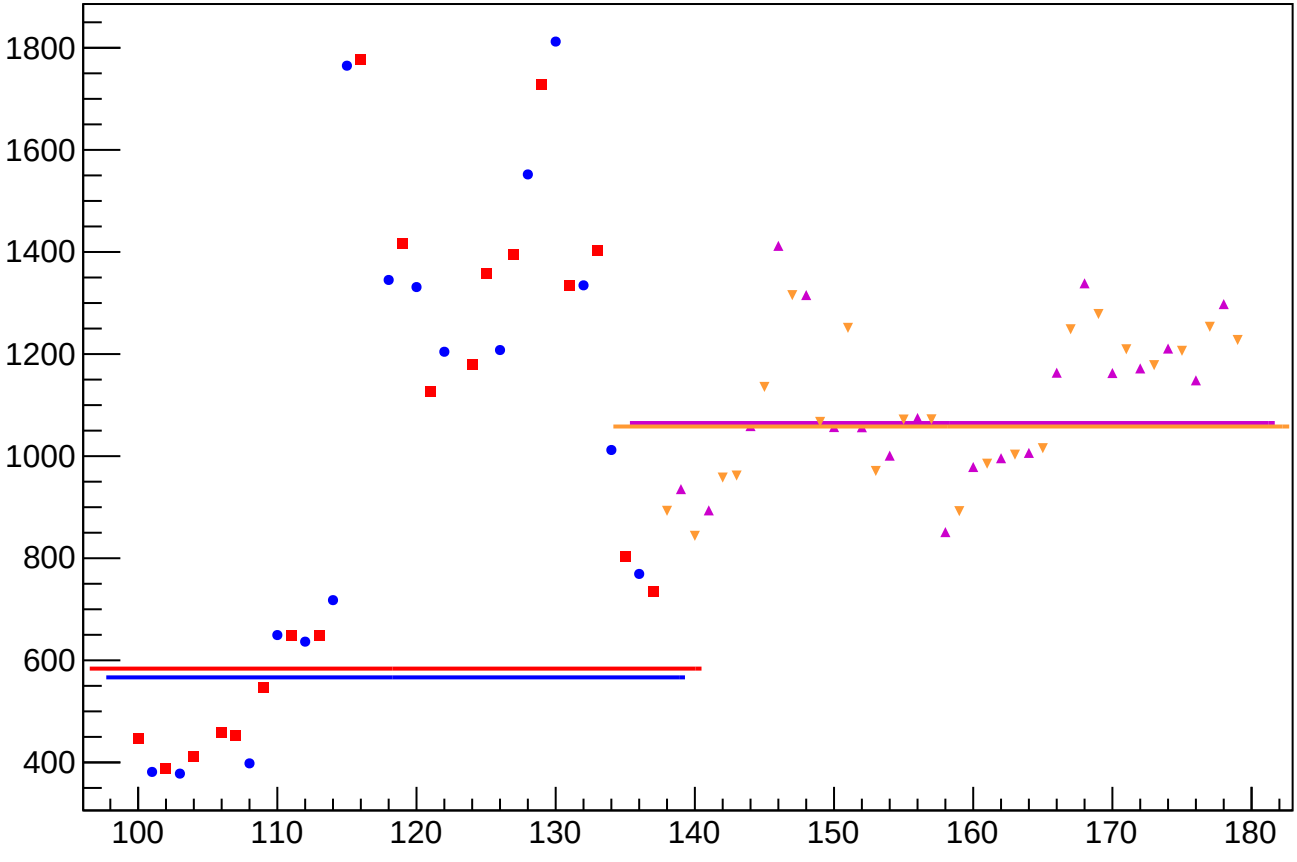
Left In: 86.575+/-266.480 χ^2/NDF:32.0/19

+ sign 326.025+/-175.632 χ^2/NDF: 48.1/37

All: 164.344+/-125.203 χ^2/NDF: 97.3/76

- sign -2.717+/-178.531 χ^2/NDF: 47.5/38

asym_sam6_eigen_dit_correction_rms vs Slug



Right In: 566.603+/-0.171 χ^2/NDF: 3432444.7/15

Left Out: 1058.080+/-0.181 χ^2/NDF:608529.3/21

Right Out: 583.794+/-0.170 χ^2/NDF: 3107513.8/18

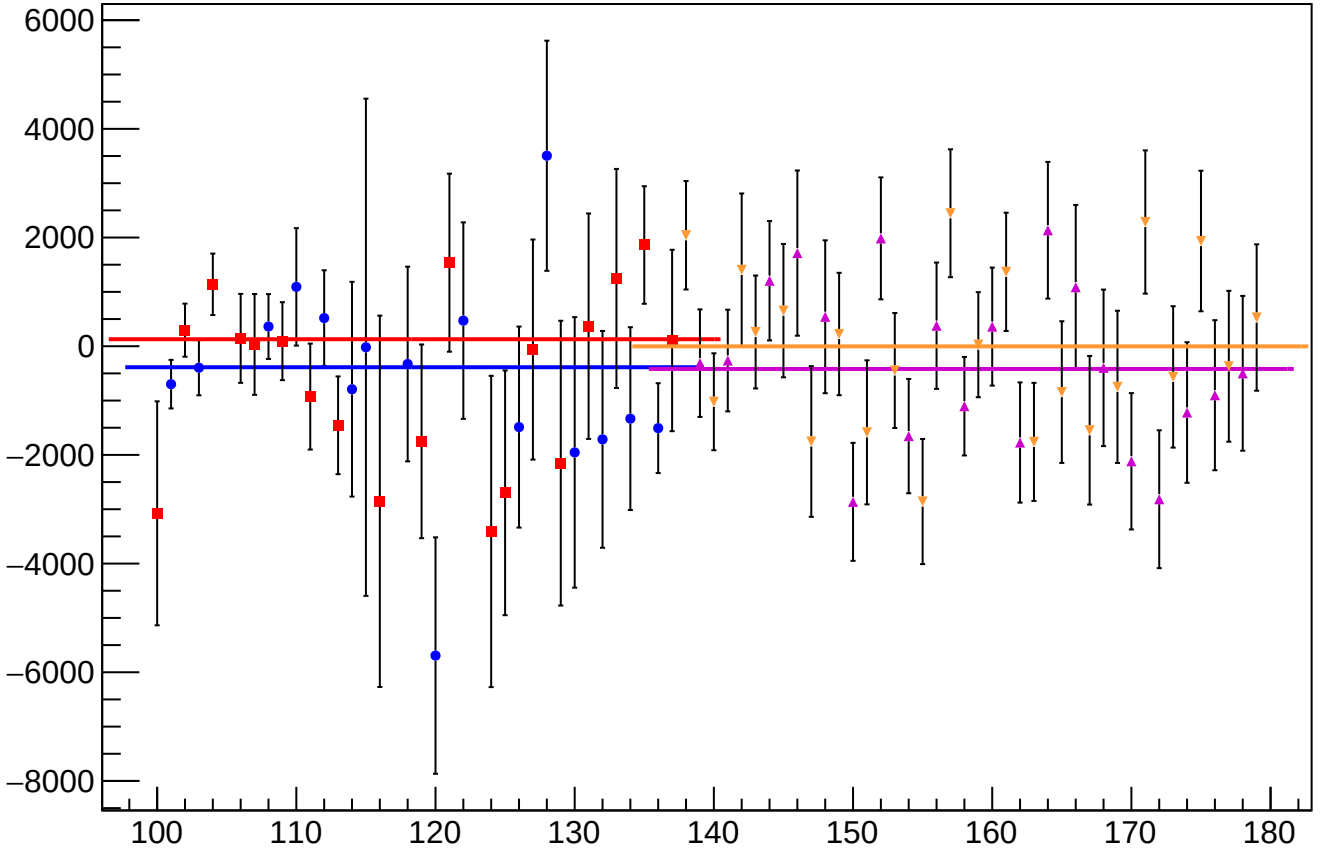
Left In: 1064.919+/-0.188 χ^2/NDF:596094.5/19

+ sign 798.205+/-0.124 χ^2/NDF: 7943363.1/37

All: 798.963+/-0.089 χ^2/NDF: 15240325.5/76

- sign 799.745+/-0.126 χ^2/NDF: 7296886.8/38

asym_sam6_mean vs Slug



Right In: -386.522+/-237.525 χ^2/NDF: 17.9/15

Left Out: -2.647+/-251.313 χ^2/NDF:32.4/21

Right Out: 128.583+/-238.241 χ^2/NDF: 19.4/18

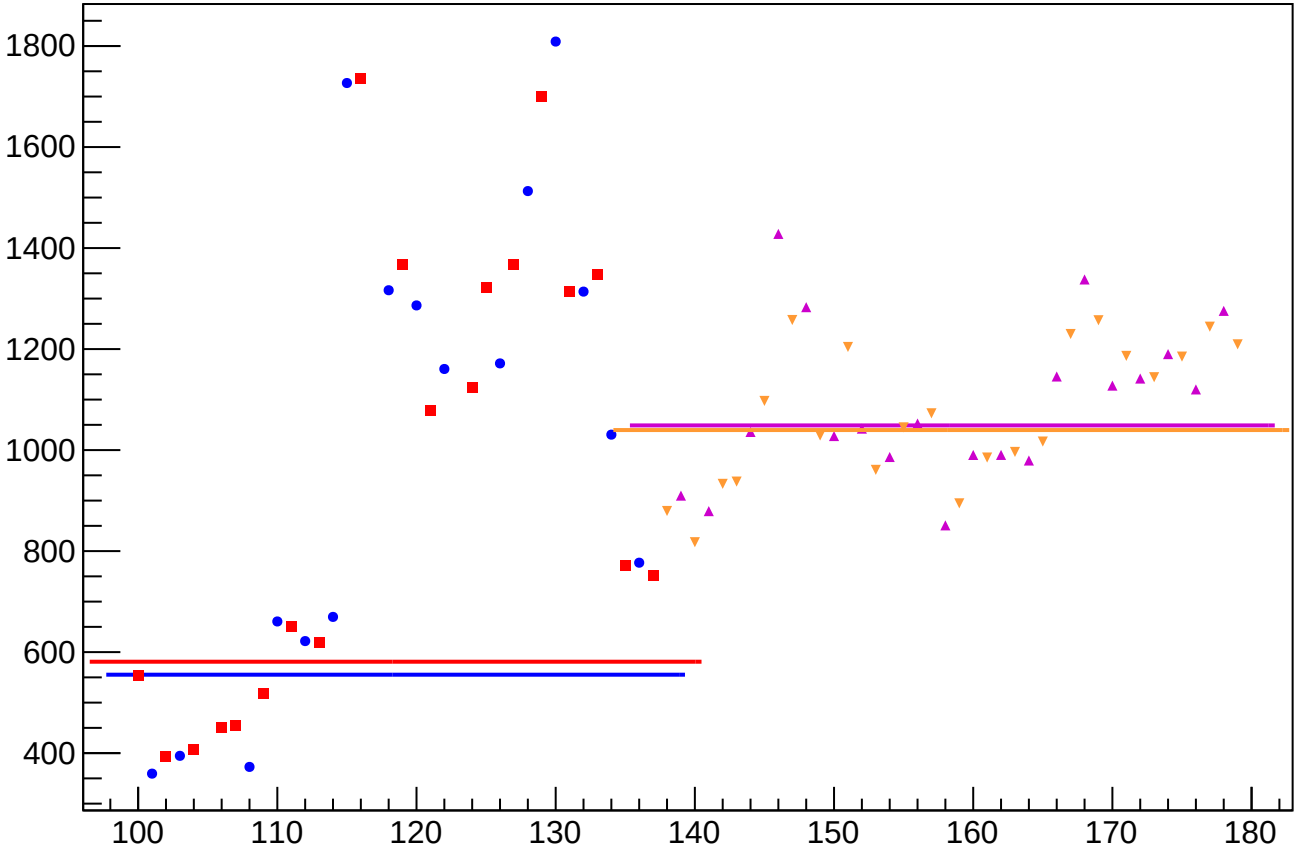
Left In: -418.297+/-262.412 χ^2/NDF:29.8/19

+ sign -205.404+/-172.624 χ^2/NDF: 51.6/37

All: -162.897+/-123.373 χ^2/NDF: 103.3/76

- sign -118.516+/-176.389 χ^2/NDF: 51.5/38

asym_sam6_rms vs Slug



Right In: 555.292+/-0.168 χ^2/NDF: 3482531.0/15

Left Out: 1039.670+/-0.178 χ^2/NDF:582808.8/21

Right Out: 580.996+/-0.168 χ^2/NDF: 2983560.8/18

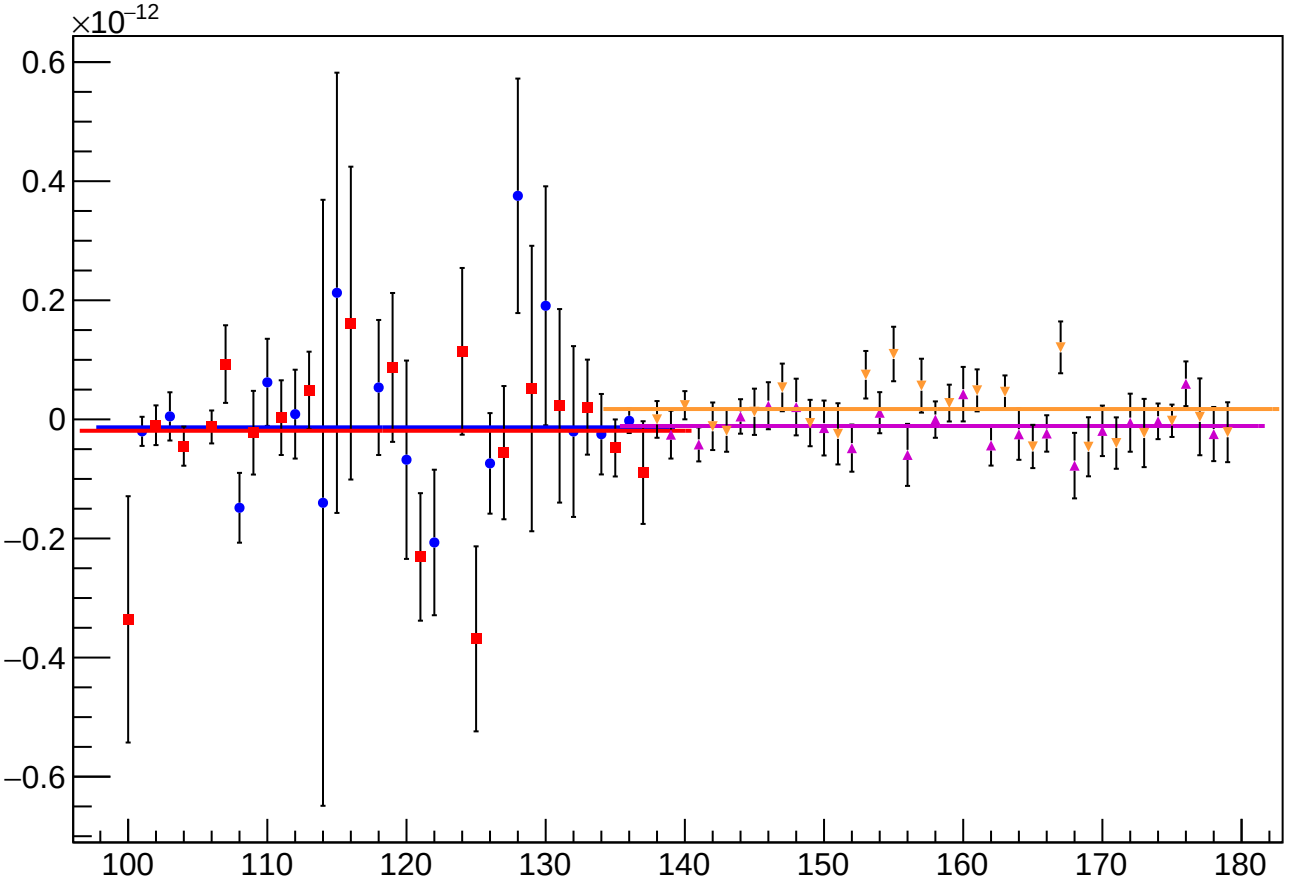
Left In: 1048.870+/-0.186 χ^2/NDF:593313.8/19

+ sign 783.829+/-0.122 χ^2/NDF: 7989567.7/37

All: 788.021+/-0.087 χ^2/NDF: 15054104.7/76

- sign 792.397+/-0.125 χ^2/NDF: 7062126.8/38

asym_sam6_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 15.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:26.5/21

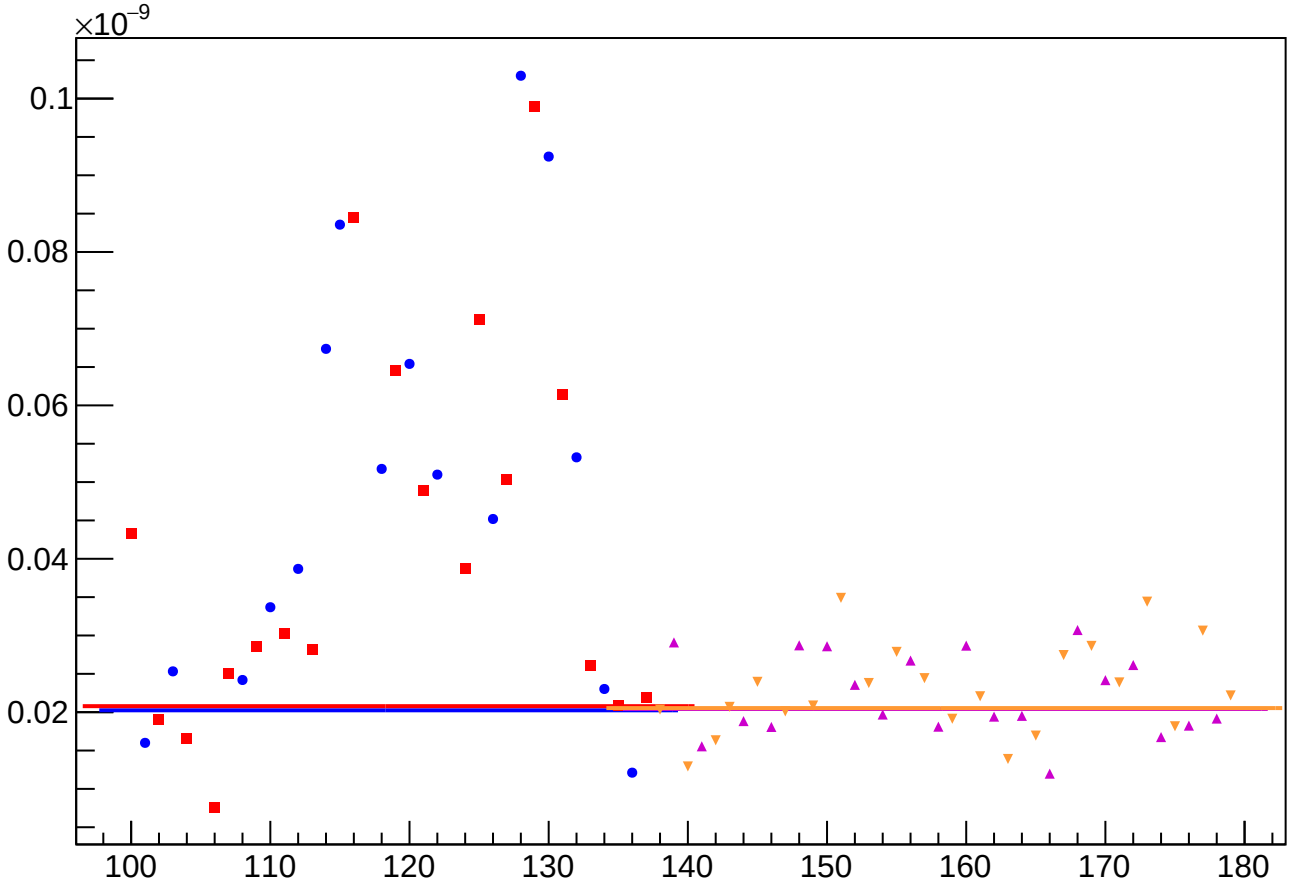
Right Out: -0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: -0.000+/-0.000 χ^2/NDF:12.9/19

+ sign 0.000+/-0.000 χ^2/NDF: 46.5/37

All: -0.000+/-0.000 χ^2/NDF: 84.6/76

- sign -0.000+/-0.000 χ^2/NDF: 33.0/38



Right In: 0.000+/-0.000 χ^2/NDF: 2004678.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:923418.4/21

Right Out: 0.000+/-0.000 χ^2/NDF: 1855885.9/18

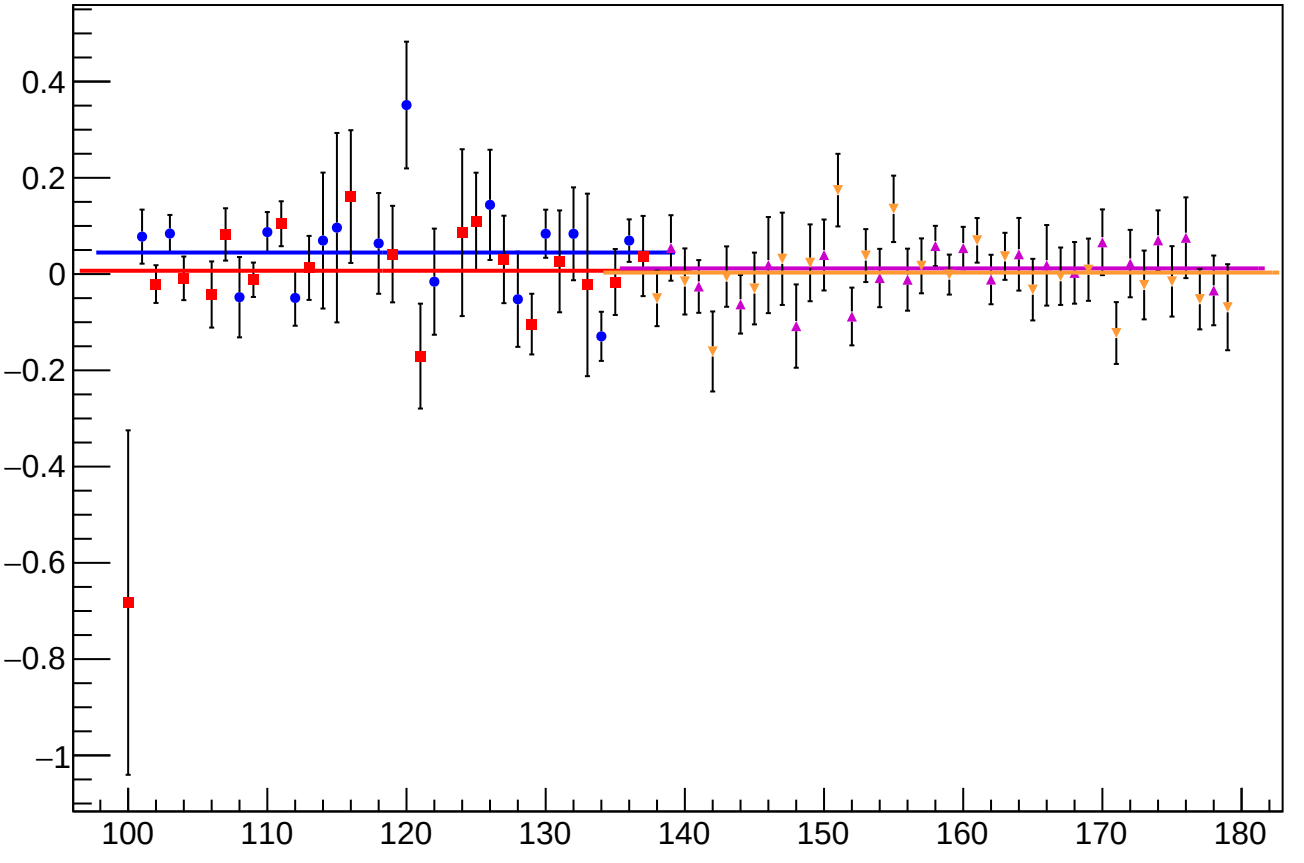
Left In: 0.000+/-0.000 χ^2/NDF:713438.9/19

+ sign 0.000+/-0.000 χ^2/NDF: 2928821.8/37

All: 0.000+/-0.000 χ^2/NDF: 5499238.5/76

- sign 0.000+/-0.000 χ^2/NDF: 2570330.3/38

asym_sam6_dit_vs_cor_diff_mean vs Slug



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.003+/-0.013 χ^2/NDF:22.9/21

Right Out: 0.007+/-0.015 χ^2/NDF: 20.2/18

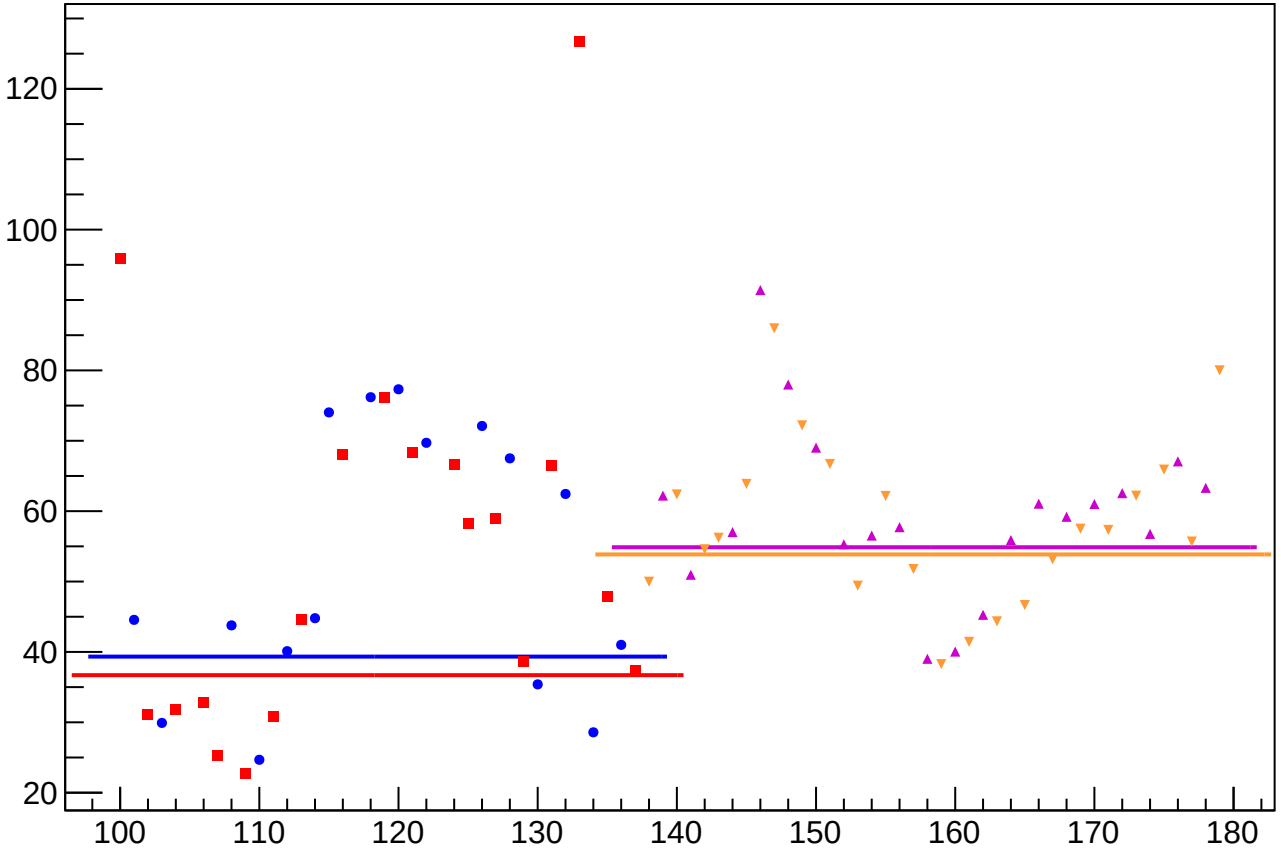
Left In: 0.012+/-0.014 χ^2/NDF:12.5/19

+ sign 0.020+/-0.010 χ^2/NDF: 53.5/37

All: 0.015+/-0.007 χ^2/NDF: 86.7/76

- sign 0.010+/-0.010 χ^2/NDF: 32.7/38

asym_sam6_dit_vs_cor_diff_rms vs Slug



Right In: 39.335+/-0.011 χ^2/NDF: 1566525.1/15

Left Out: 53.854+/-0.009 χ^2/NDF:1305111.6/21

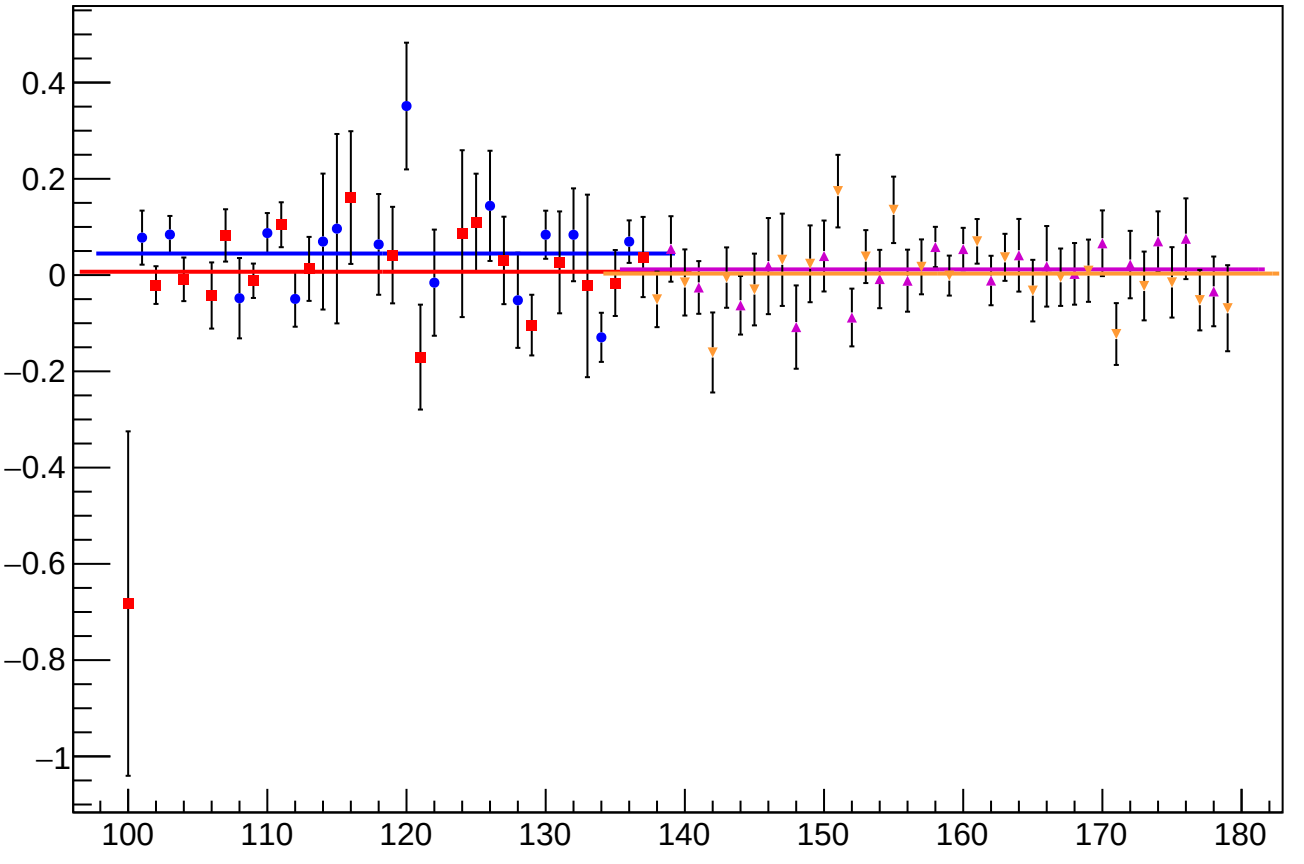
Right Out: 36.700+/-0.011 χ^2/NDF: 2096756.0/18

Left In: 54.874+/-0.010 χ^2/NDF:1240346.4/19

\+ sign 47.905+/-0.007 χ^2/NDF: 3841166.5/37

All: 47.178+/-0.005 χ^2/NDF: 8749929.5/76

\- sign 46.446+/-0.007 χ^2/NDF: 4888587.3/38



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.003+/-0.013 χ^2/NDF:22.9/21

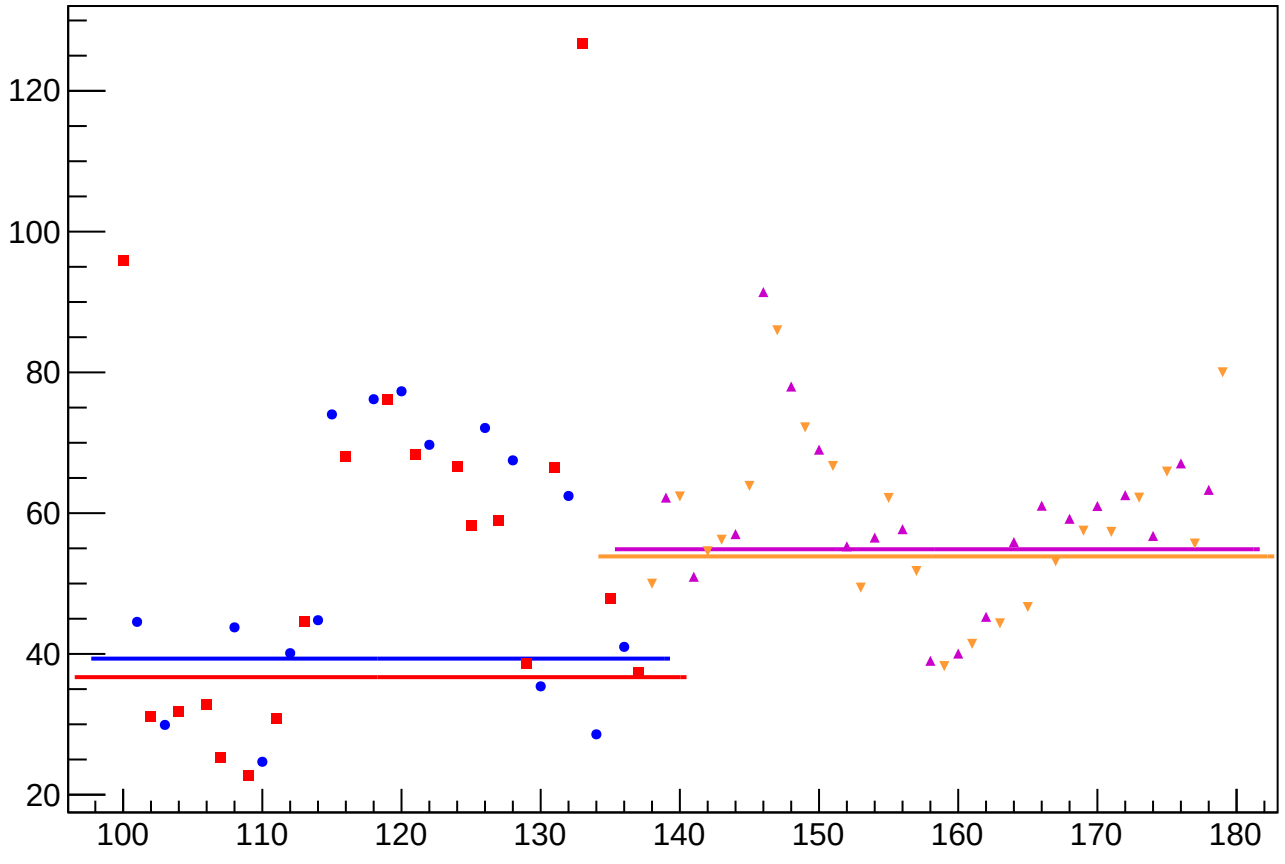
Right Out: 0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: 0.012+/-0.014 χ^2/NDF:12.5/19

+ sign 0.020+/-0.010 χ^2/NDF: 53.5/37

All: 0.015+/-0.007 χ^2/NDF: 86.7/76

- sign 0.010+/-0.010 χ^2/NDF: 32.7/38



Right In: 39.335+/-0.011 χ^2/NDF: 1566525.1/15

Left Out: 53.854+/-0.009 χ^2/NDF:1305111.6/21

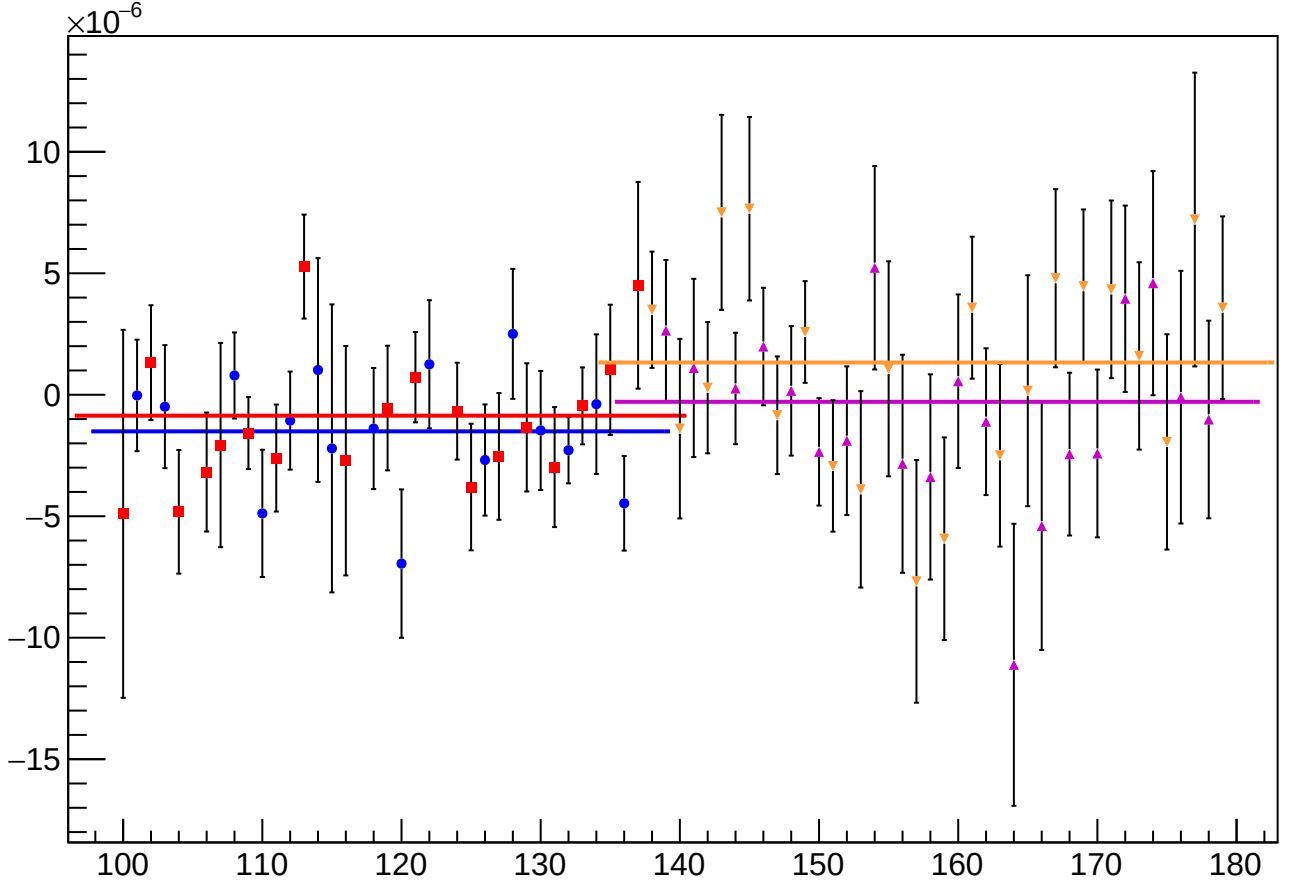
Right Out: 36.700+/-0.011 χ^2/NDF: 2096756.0/18

Left In: 54.874+/-0.010 χ^2/NDF:1240346.4/19

+ sign 47.905+/-0.007 χ^2/NDF: 3841166.5/37

All: 47.178+/-0.005 χ^2/NDF: 8749929.5/76

- sign 46.446+/-0.007 χ^2/NDF: 4888587.3/38



Right In: -0.000+/-0.000 χ^2/NDF: 13.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:24.4/21

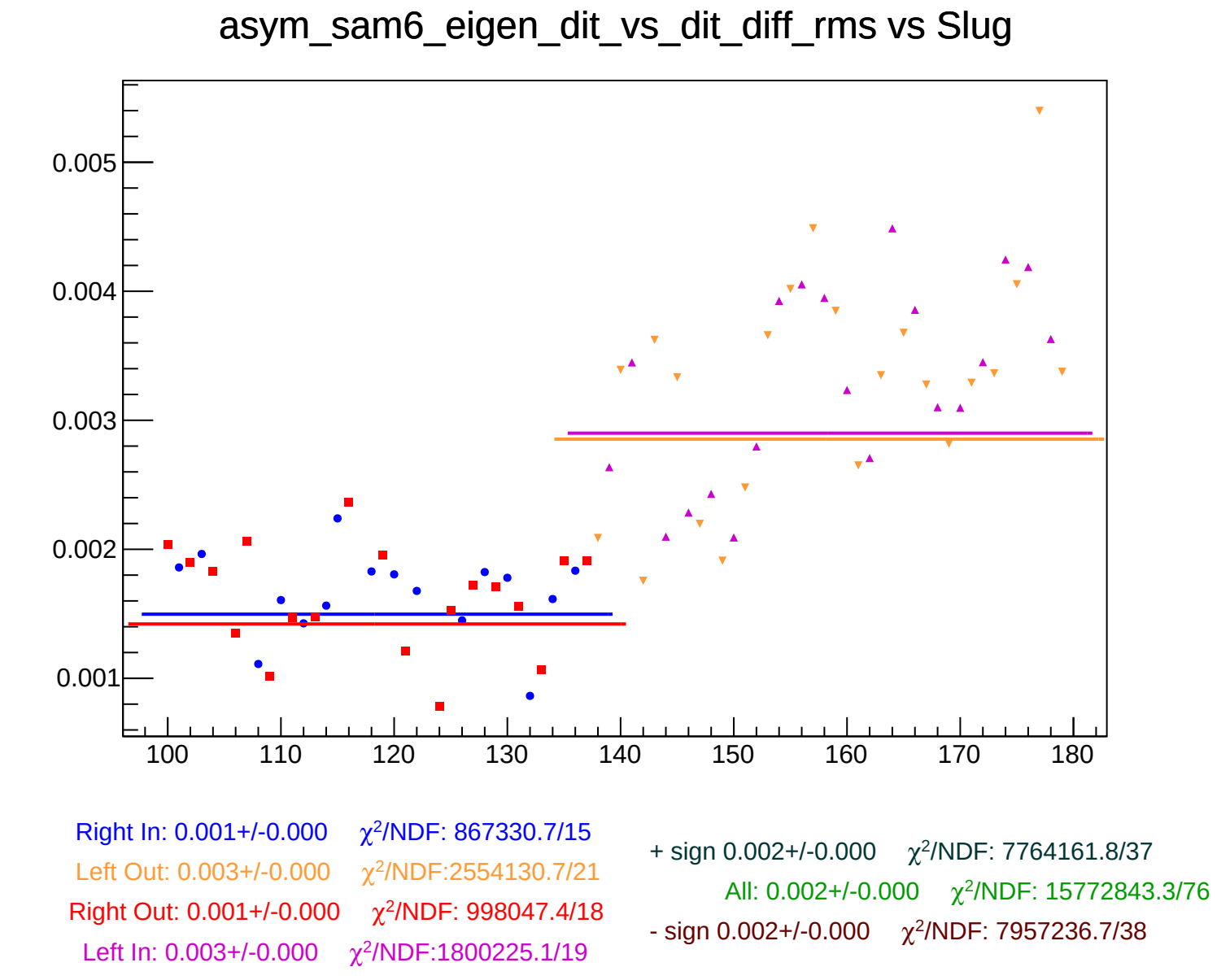
Right Out: -0.000+/-0.000 χ^2/NDF: 19.1/18

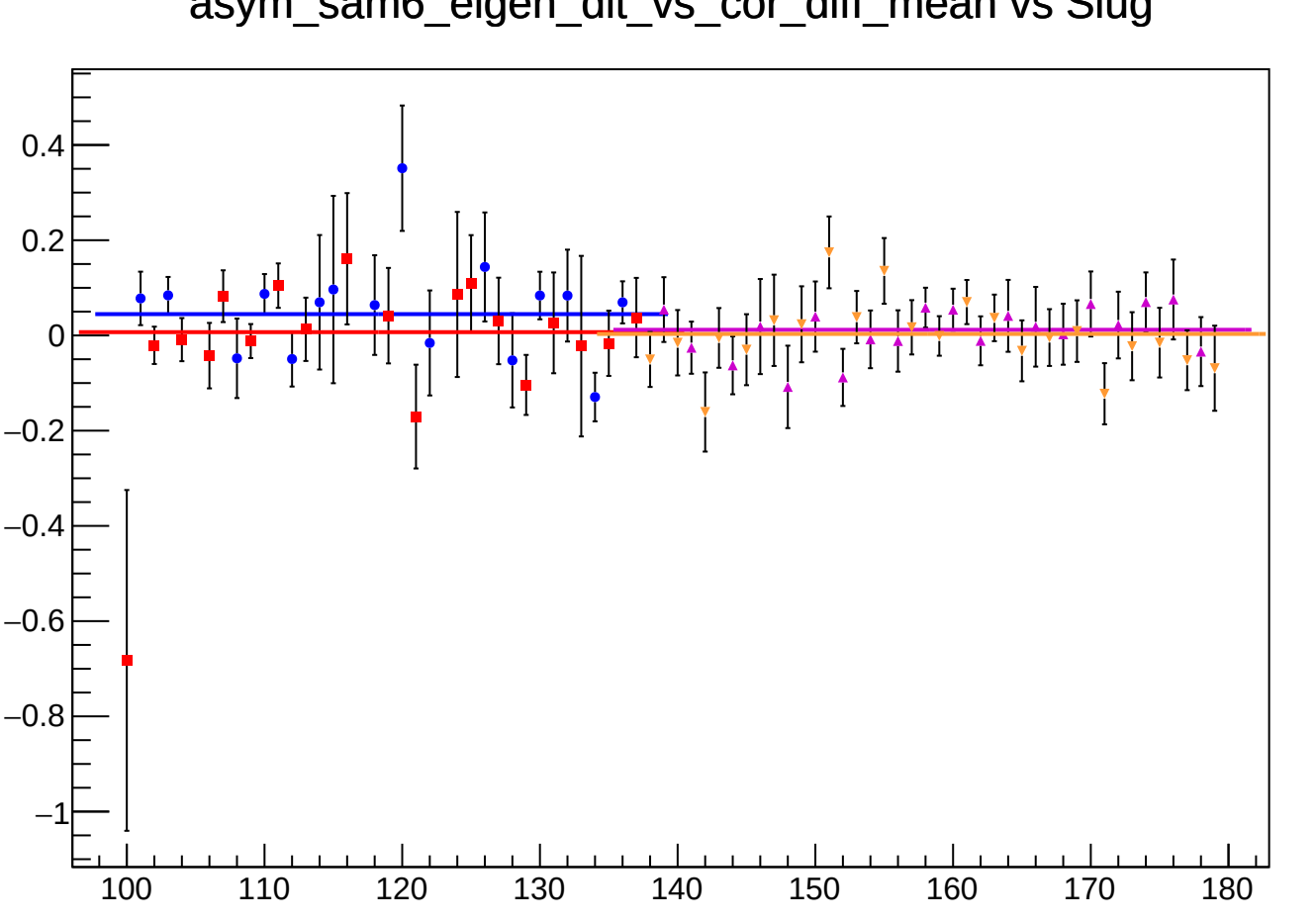
Left In: -0.000+/-0.000 χ^2/NDF:13.7/19

+ sign -0.000+/-0.000 χ^2/NDF: 47.7/37

All: -0.000+/-0.000 χ^2/NDF: 81.1/76

- sign -0.000+/-0.000 χ^2/NDF: 33.2/38


asym_sam6_eigen_dit_vs_dit_diff_rms vs Slug
0.005
0.004
0.003
0.002
0.001
100
110
120
130
140
150
160
170
180
Right In: 0.001+/-0.000 χ²/NDF: 867330.7/15
Left Out: 0.003+/-0.000 χ²/NDF:2554130.7/21
Right Out: 0.001+/-0.000 χ²/NDF: 998047.4/18
Left In: 0.003+/-0.000 χ²/NDF:1800225.1/19
+ sign 0.002+/-0.000 χ²/NDF: 7764161.8/37
All: 0.002+/-0.000 χ²/NDF: 15772843.3/76
- sign 0.002+/-0.000 χ²/NDF: 7957236.7/38



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.003+/-0.013 χ^2/NDF:22.9/21

Right Out: 0.007+/-0.015 χ^2/NDF: 20.2/18

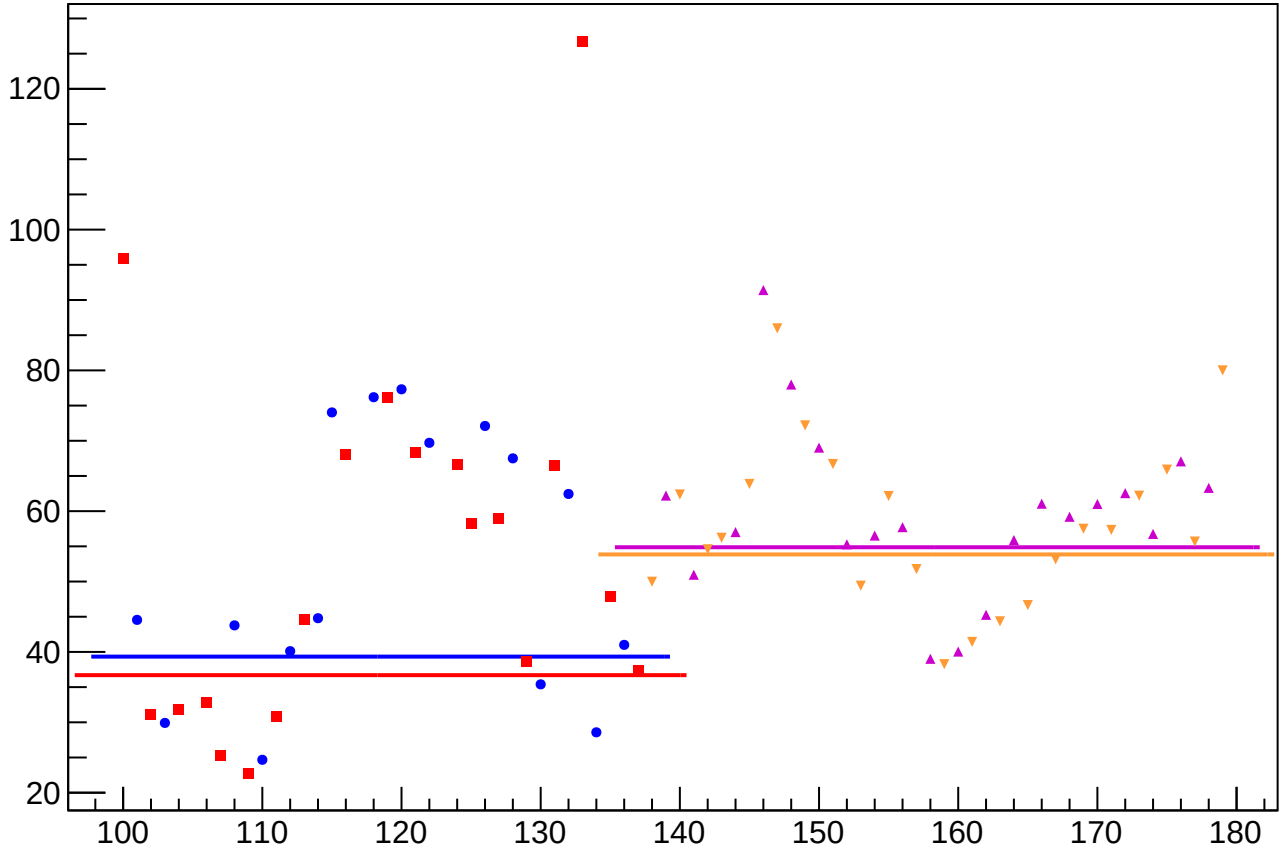
Left In: 0.012+/-0.014 χ^2/NDF:12.5/19

+ sign 0.020+/-0.010 χ^2/NDF: 53.5/37

All: 0.015+/-0.007 χ^2/NDF: 86.7/76

- sign 0.010+/-0.010 χ^2/NDF: 32.7/38

asym_sam6_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 39.334+/-0.011 χ^2/NDF: 1566545.4/15

Left Out: 53.853+/-0.009 χ^2/NDF:1305211.0/21

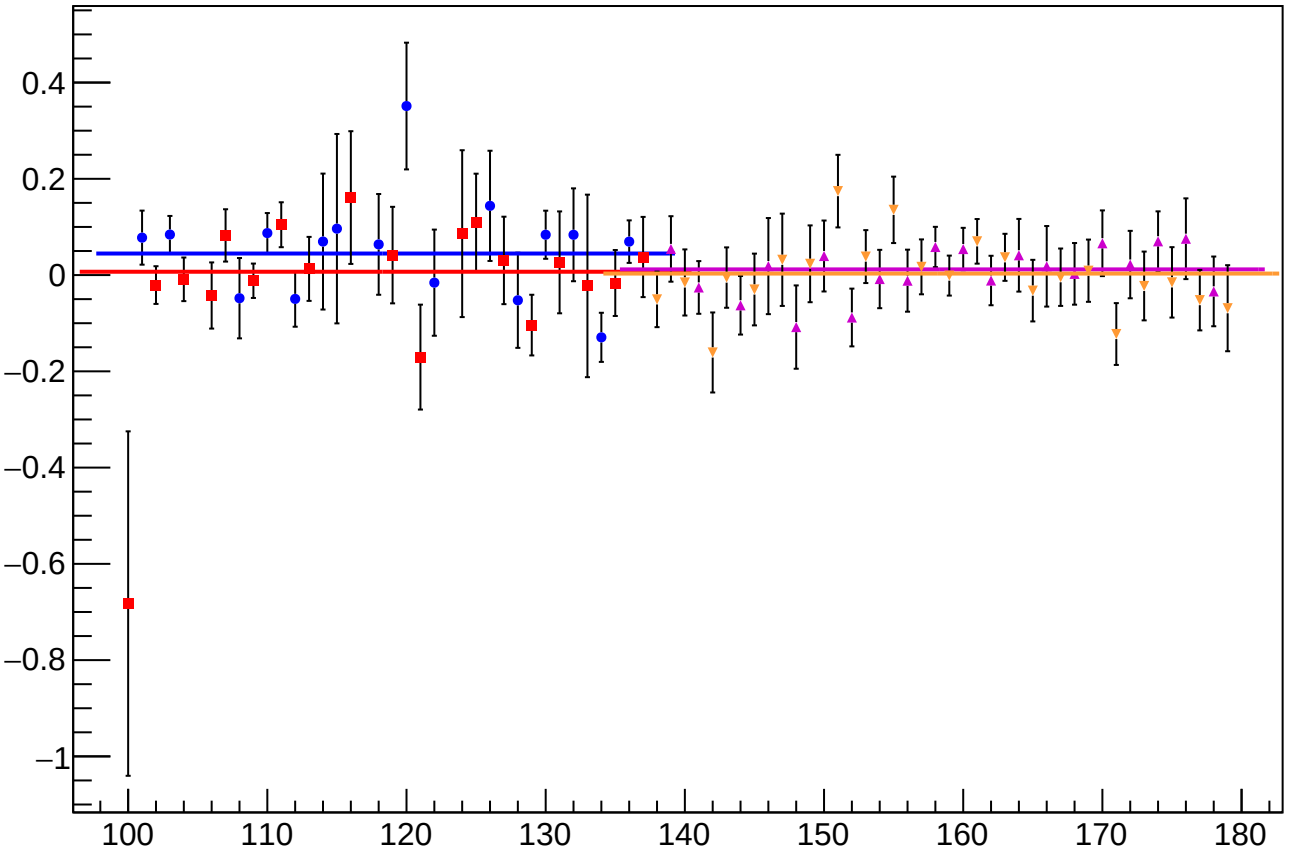
Right Out: 36.699+/-0.011 χ^2/NDF: 2096748.4/18

Left In: 54.873+/-0.010 χ^2/NDF:1240495.2/19

+ sign 47.904+/-0.007 χ^2/NDF: 3841249.4/37

All: 47.177+/-0.005 χ^2/NDF: 8750031.2/76

- sign 46.445+/-0.007 χ^2/NDF: 4888609.2/38



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.003+/-0.013 χ^2/NDF:22.9/21

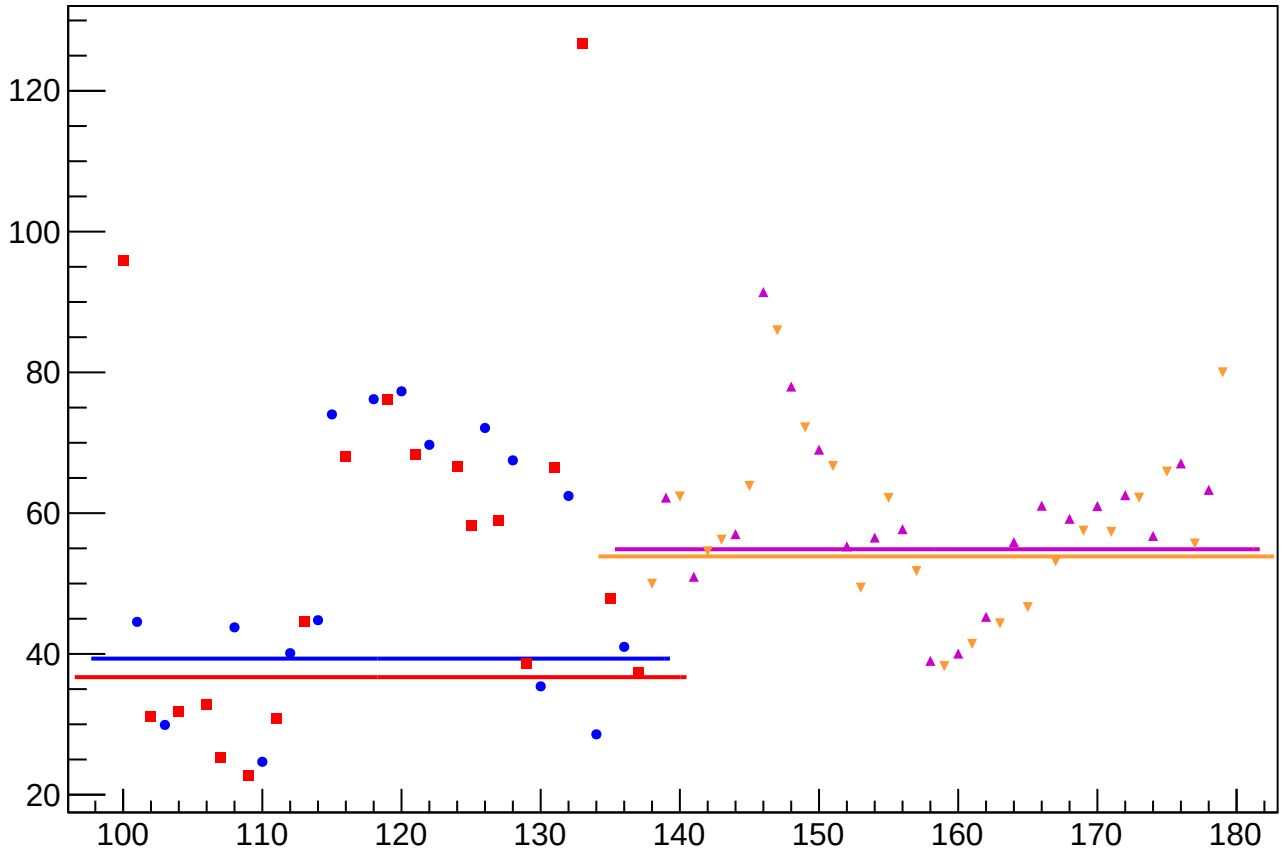
Right Out: 0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: 0.012+/-0.014 χ^2/NDF:12.5/19

+ sign 0.020+/-0.010 χ^2/NDF: 53.5/37

All: 0.015+/-0.007 χ^2/NDF: 86.7/76

- sign 0.010+/-0.010 χ^2/NDF: 32.7/38



Right In: 39.334+/-0.011 χ^2/NDF: 1566545.4/15

Left Out: 53.853+/-0.009 χ^2/NDF:1305211.0/21

Right Out: 36.699+/-0.011 χ^2/NDF: 2096748.4/18

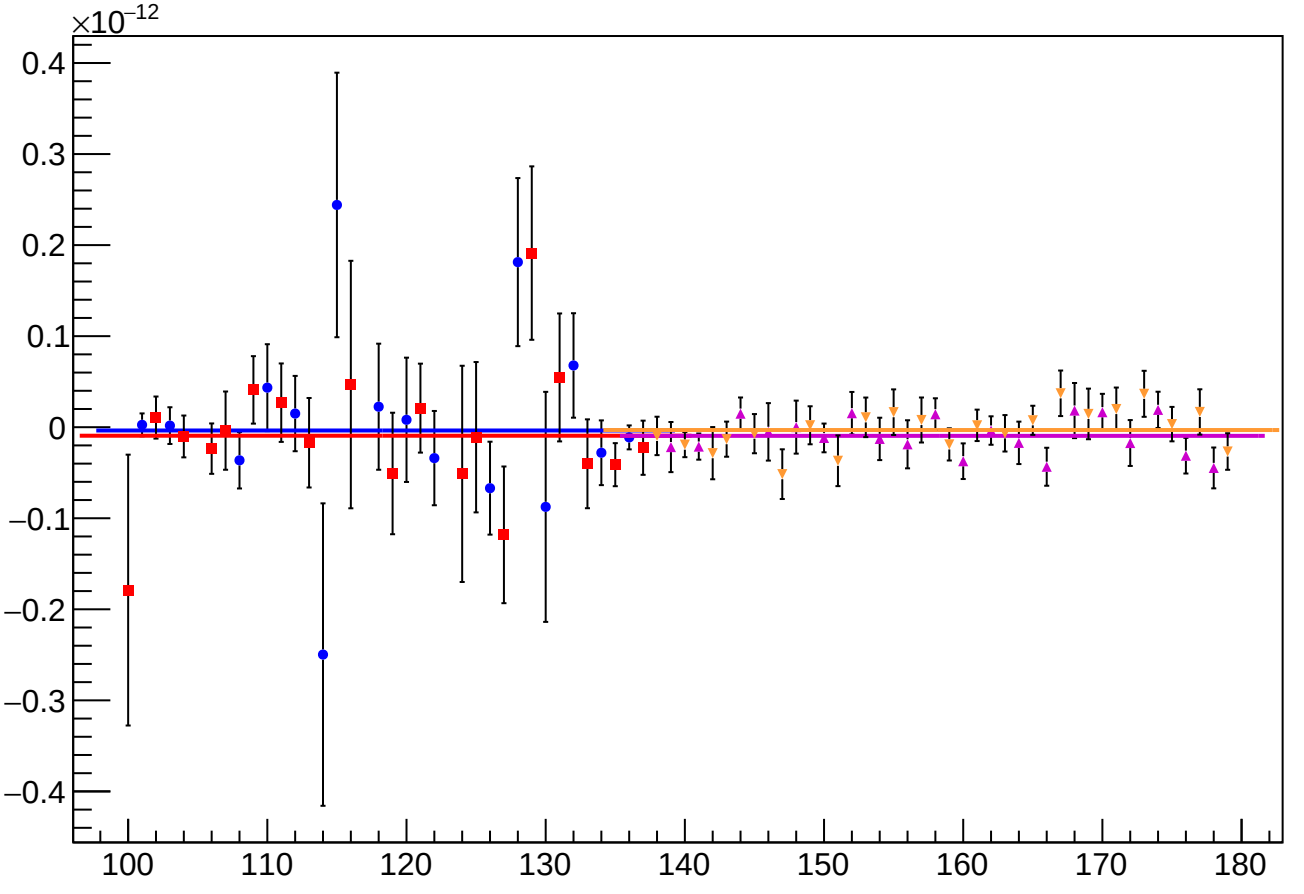
Left In: 54.873+/-0.010 χ^2/NDF:1240495.2/19

\+ sign 47.904+/-0.007 χ^2/NDF: 3841249.4/37

All: 47.177+/-0.005 χ^2/NDF: 8750031.2/76

\- sign 46.445+/-0.007 χ^2/NDF: 4888609.2/38

asym_sam6_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:18.4/21

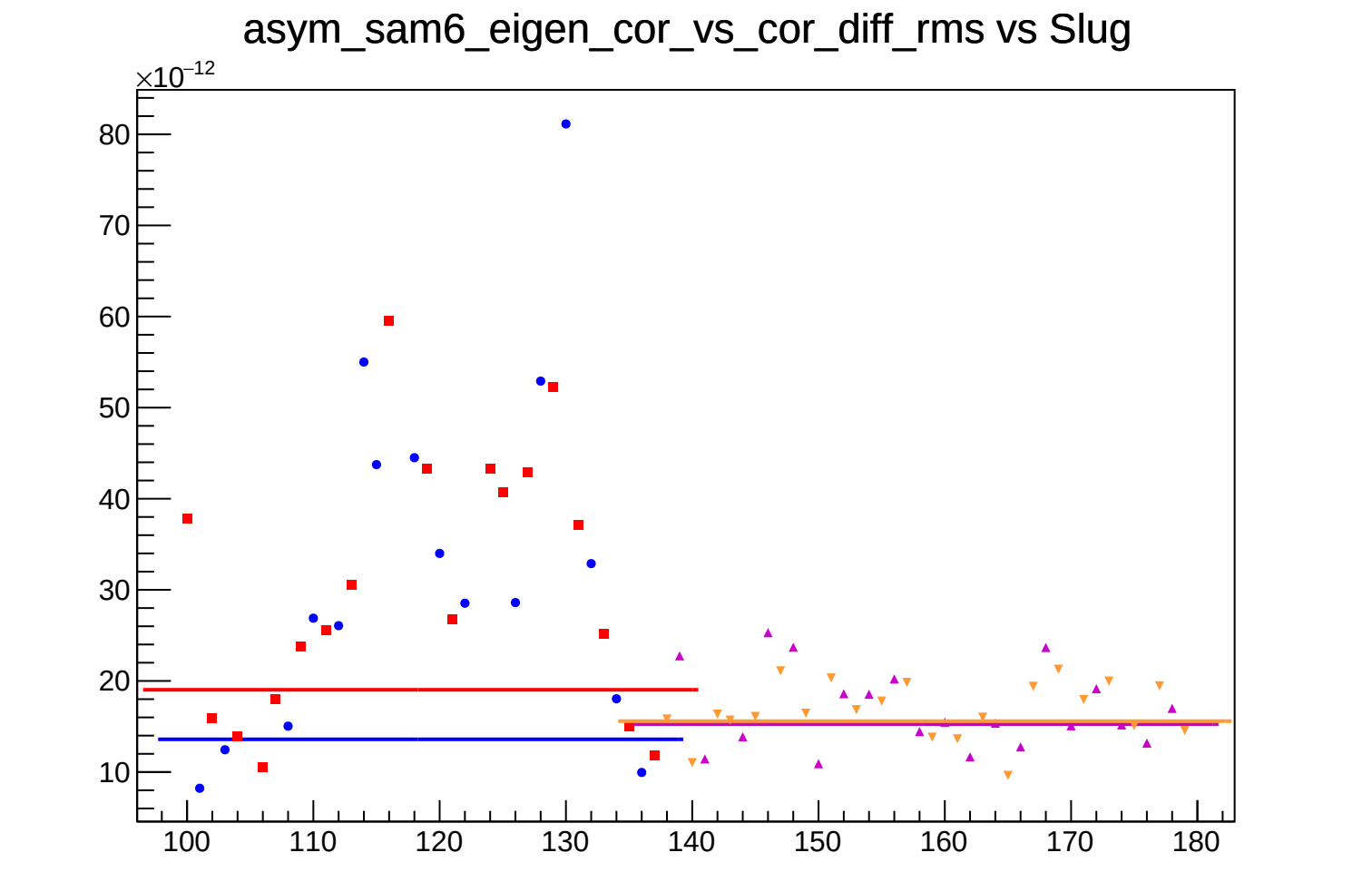
Right Out: -0.000+/-0.000 χ^2/NDF: 15.7/18

Left In: -0.000+/-0.000 χ^2/NDF:19.3/19

+ sign -0.000+/-0.000 χ^2/NDF: 35.0/37

All: -0.000+/-0.000 χ^2/NDF: 71.3/76

- sign -0.000+/-0.000 χ^2/NDF: 35.0/38



Right In: 0.000+/-0.000 χ^2/NDF: 3187097.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1037699.1/21

Right Out: 0.000+/-0.000 χ^2/NDF: 2049385.6/18

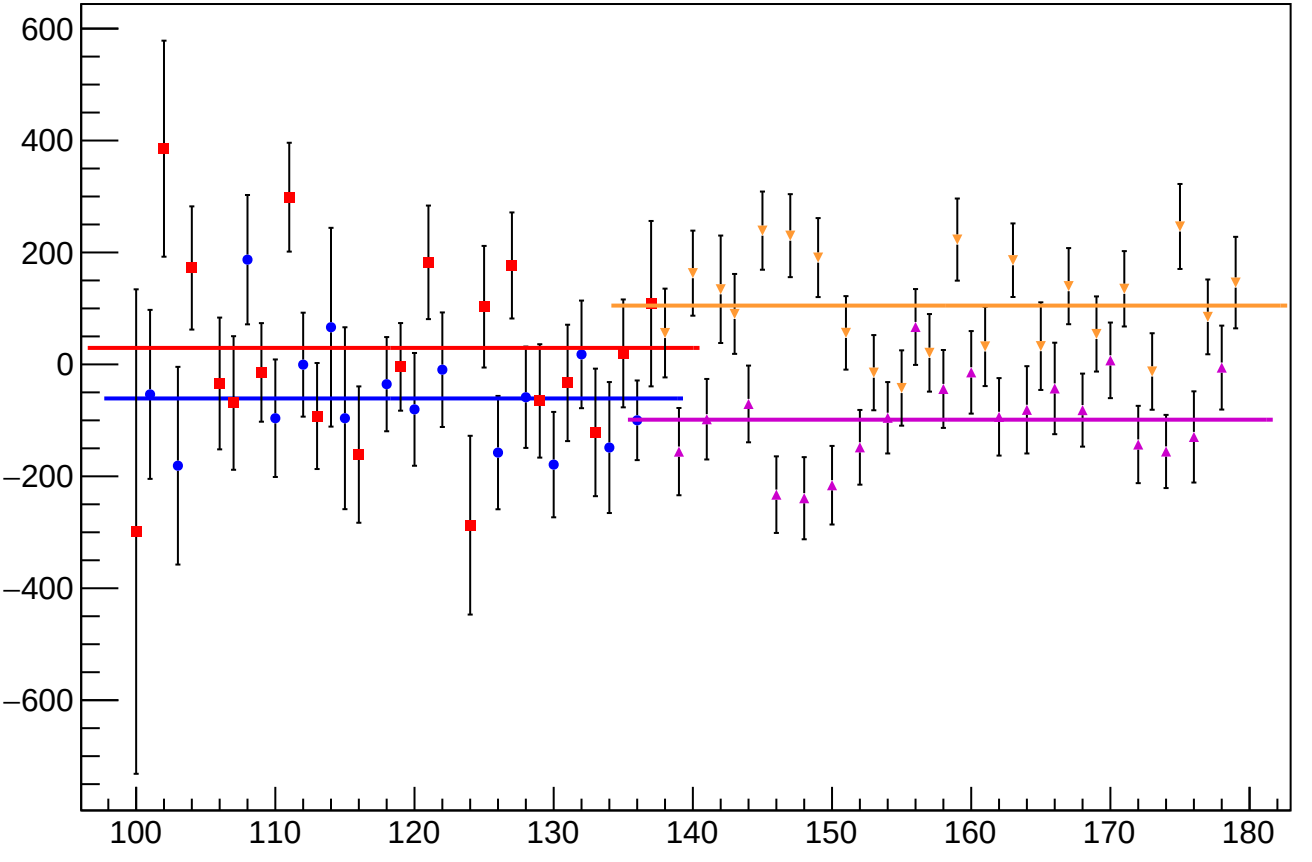
Left In: 0.000+/-0.000 χ^2/NDF:1351057.9/19

+ sign 0.000+/-0.000 χ^2/NDF: 4335055.1/37

All: 0.000+/-0.000 χ^2/NDF: 8072690.0/76

- sign 0.000+/-0.000 χ^2/NDF: 3675633.0/38

reg_asym_sam7_mean vs Slug



Right In: -60.846+/-26.054 χ^2/NDF: 10.6/15

Left Out: 105.086+/-15.239 χ^2/NDF:32.9/21

Right Out: 29.453+/-25.105 χ^2/NDF: 31.2/18

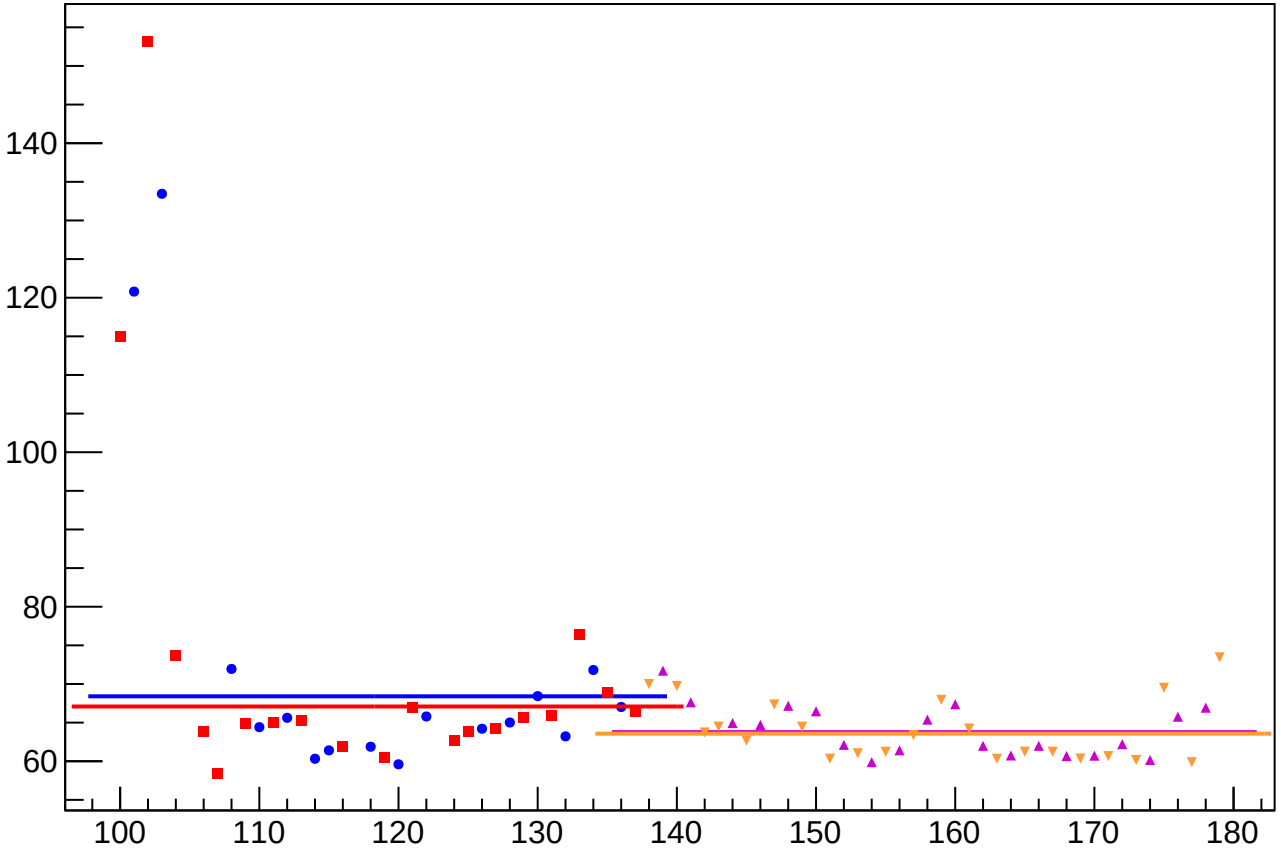
Left In: -98.798+/-15.812 χ^2/NDF:25.3/19

+ sign 62.789+/-13.154 χ^2/NDF: 73.7/37

All: 1.272+/-9.380 χ^2/NDF: 193.4/76

- sign -62.372+/-13.379 χ^2/NDF: 75.2/38

reg_asym_sam7_rms vs Slug



Right In: 68.403+/-0.018 χ^2/NDF: 569557.5/15

Left Out: 63.568+/-0.011 χ^2/NDF:119787.7/21

Right Out: 67.086+/-0.018 χ^2/NDF: 481815.1/18

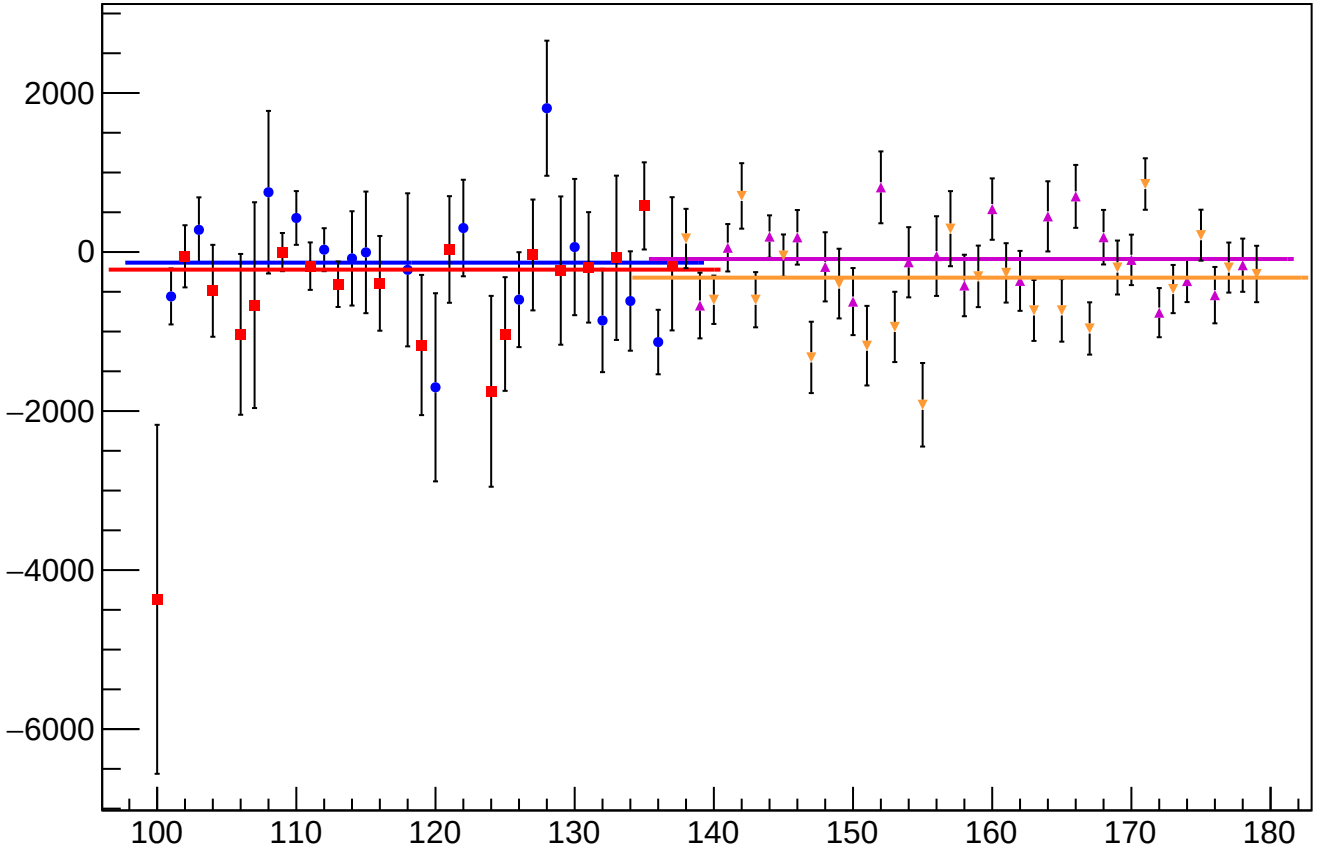
Left In: 63.771+/-0.011 χ^2/NDF:77482.5/19

+ sign 64.801+/-0.009 χ^2/NDF: 740673.1/37

All: 64.757+/-0.007 χ^2/NDF: 1324980.1/76

- sign 64.712+/-0.009 χ^2/NDF: 584262.8/38

asym_sam7_reg_correction_mean vs Slug



Right In: -133.590+/-125.904 χ^2/NDF: 22.5/15

Left Out: -322.252+/-77.393 χ^2/NDF:54.0/21

Right Out: -221.324+/-117.783 χ^2/NDF: 12.5/18

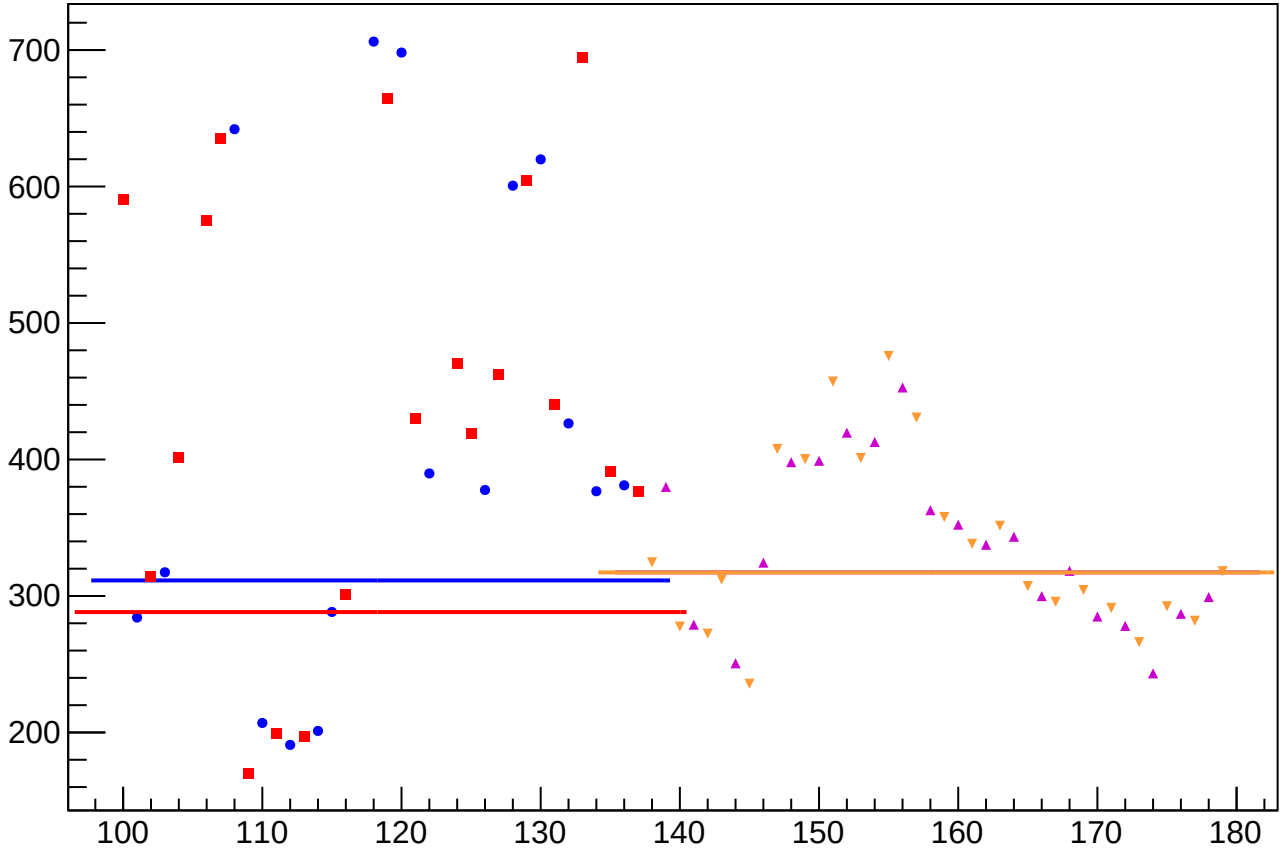
Left In: -87.772+/-79.916 χ^2/NDF:27.2/19

+ sign -270.515+/-65.932 χ^2/NDF: 78.1/37

All: -200.405+/-46.691 χ^2/NDF: 121.0/76

- sign -129.873+/-66.131 χ^2/NDF: 40.6/38

asym_sam7_reg_correction_rms vs Slug



Right In: 311.386+/-0.089 χ^2/NDF: 2123797.6/15

Left Out: 317.258+/-0.055 χ^2/NDF:1089857.5/21

Right Out: 288.205+/-0.083 χ^2/NDF: 2715380.6/18

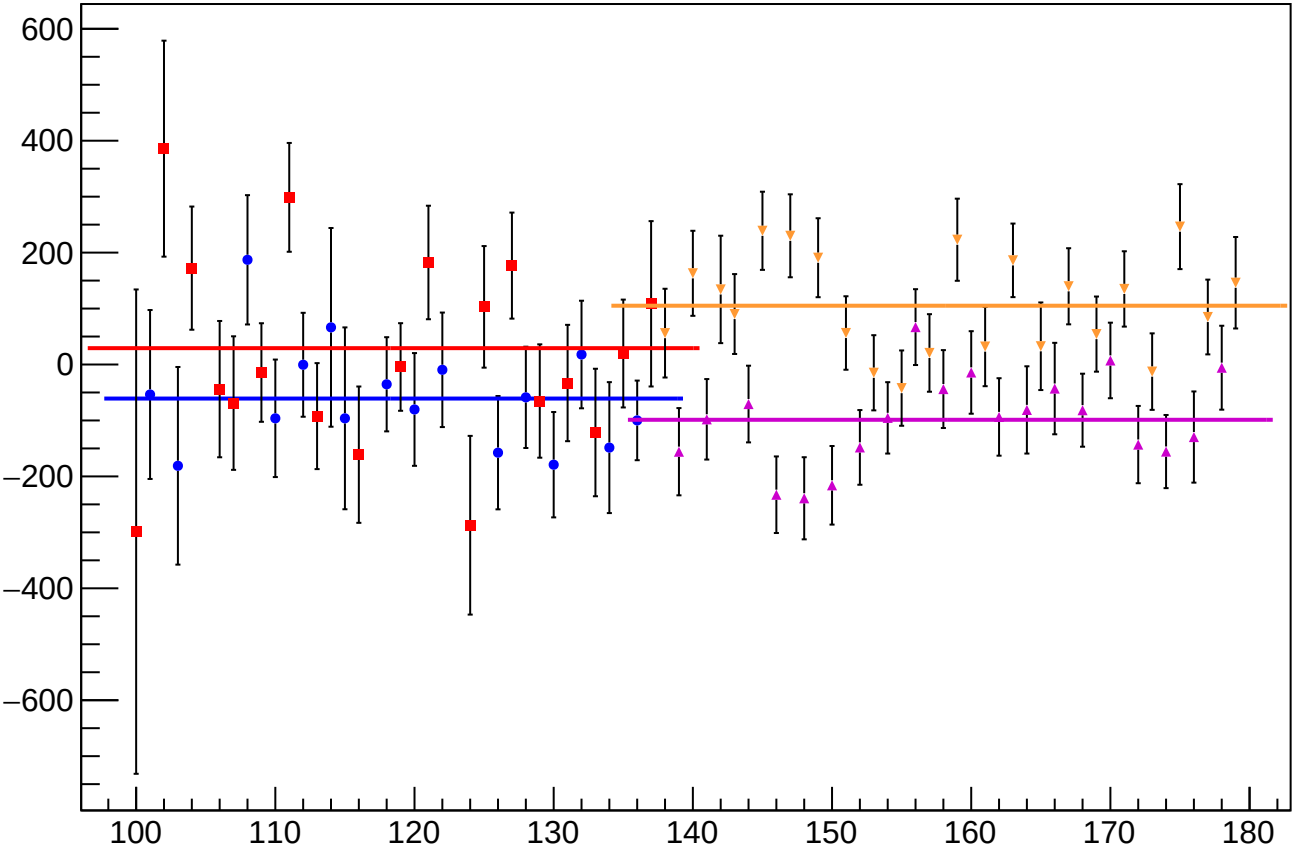
Left In: 317.315+/-0.057 χ^2/NDF:981686.7/19

+ sign 315.647+/-0.047 χ^2/NDF: 3216811.8/37

All: 311.904+/-0.033 χ^2/NDF: 7010467.0/76

- sign 308.138+/-0.047 χ^2/NDF: 3780722.7/38

cor_asym_sam7_mean vs Slug



Right In: -60.848+/-26.054 χ^2/NDF: 10.6/15

Left Out: 105.086+/-15.239 χ^2/NDF:32.9/21

Right Out: 29.221+/-25.143 χ^2/NDF: 31.3/18

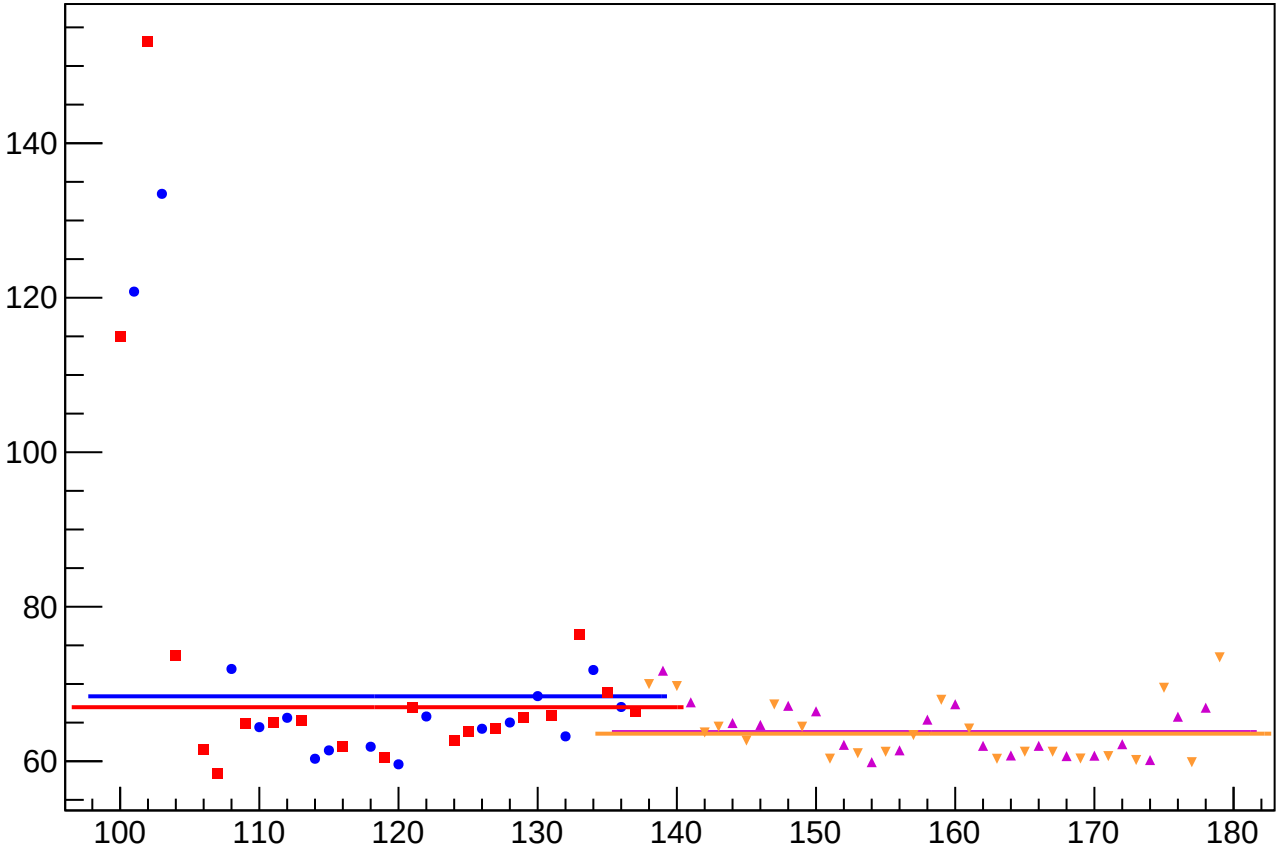
Left In: -98.795+/-15.812 χ^2/NDF:25.3/19

+ sign 62.788+/-13.154 χ^2/NDF: 73.7/37

All: 1.228+/-9.382 χ^2/NDF: 193.5/76

- sign -62.515+/-13.385 χ^2/NDF: 75.2/38

cor_asym_sam7_rms vs Slug



Right In: 68.403+/-0.018 χ^2/NDF: 569557.9/15

Left Out: 63.568+/-0.011 χ^2/NDF:119787.7/21

Right Out: 66.995+/-0.018 χ^2/NDF: 484487.7/18

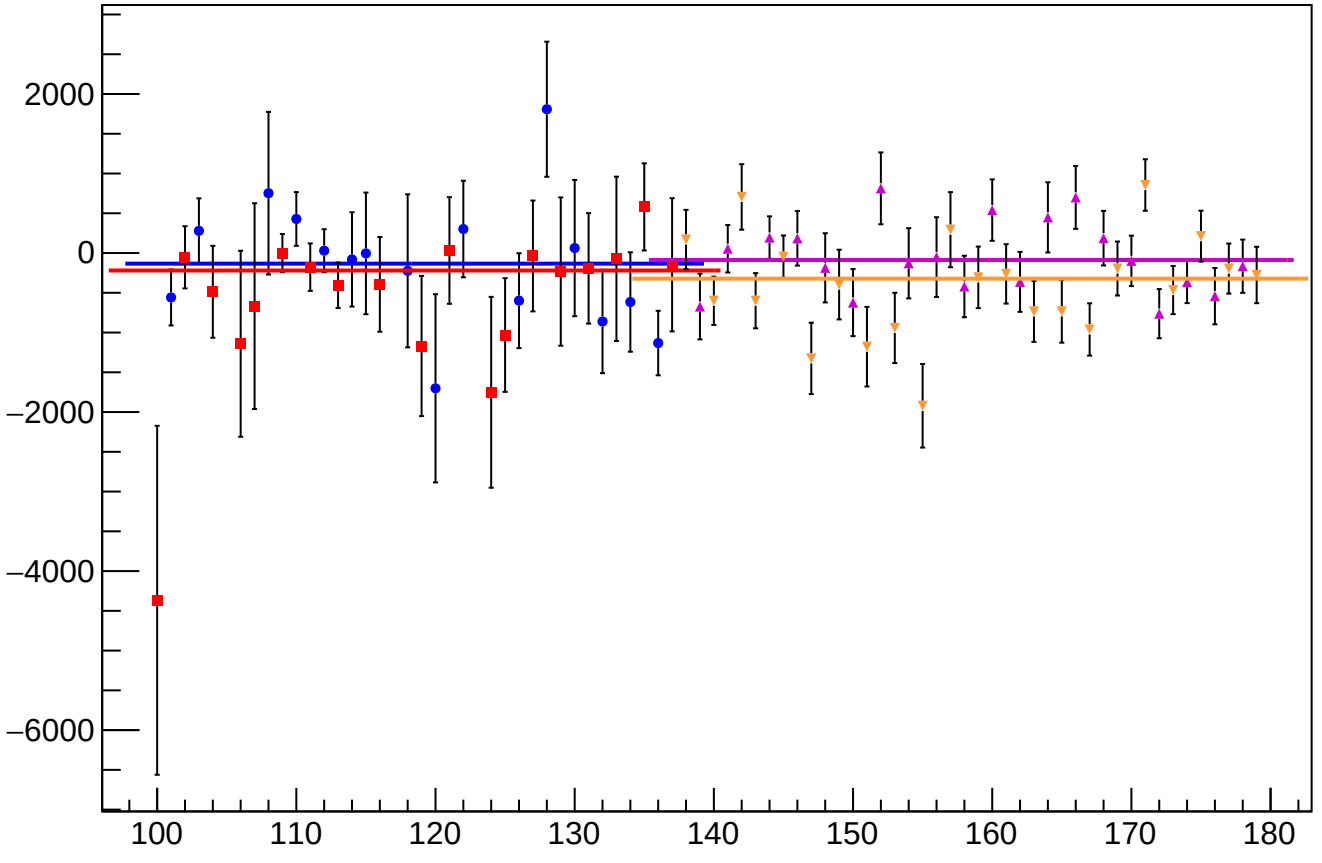
Left In: 63.771+/-0.011 χ^2/NDF:77482.5/19

+ sign 64.801+/-0.009 χ^2/NDF: 740673.5/37

All: 64.744+/-0.007 χ^2/NDF: 1326281.1/76

- sign 64.685+/-0.009 χ^2/NDF: 585531.2/38

asym_sam7_cor_correction_mean vs Slug



Right In: -133.587+/-125.904 χ^2/NDF: 22.5/15

Left Out: -322.252+/-77.393 χ^2/NDF:54.0/21

Right Out: -219.615+/-117.989 χ^2/NDF: 12.5/18

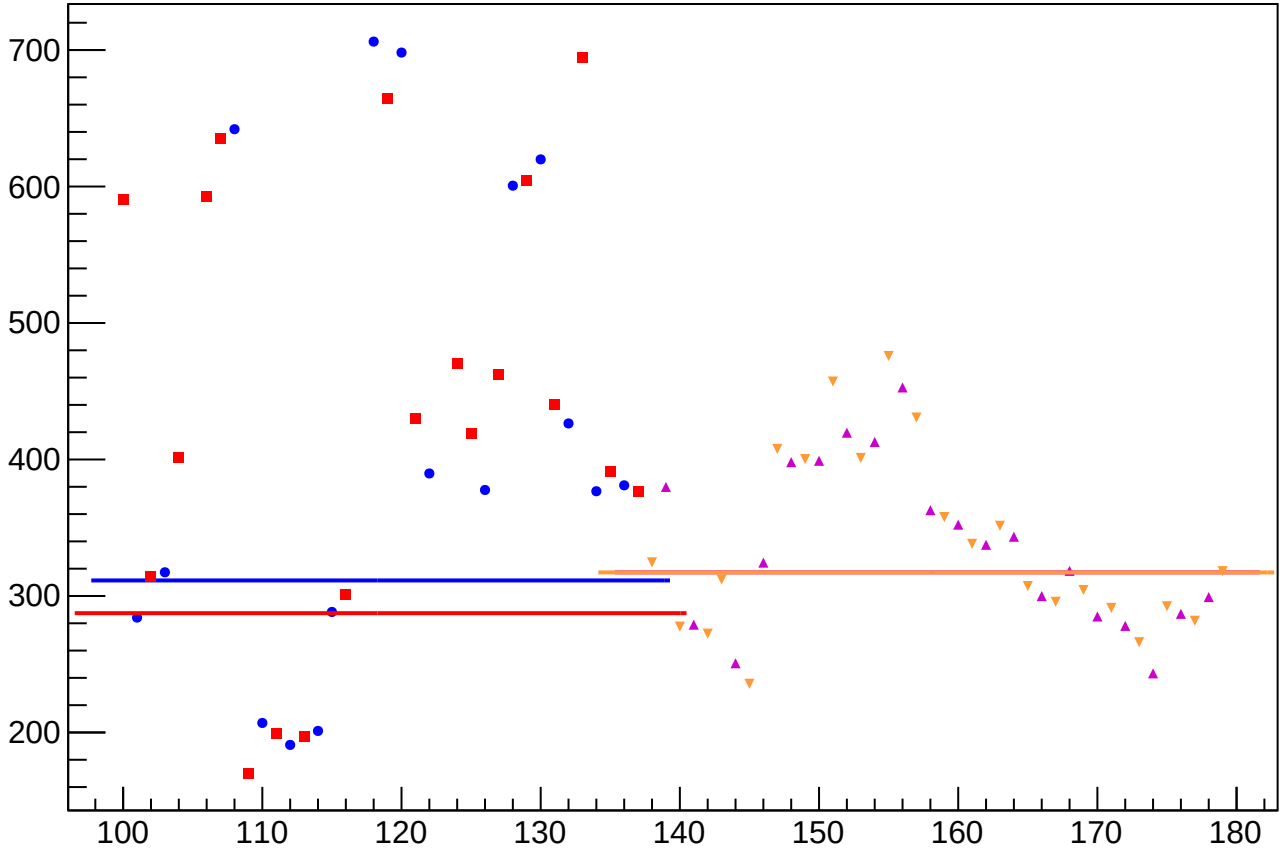
Left In: -87.765+/-79.916 χ^2/NDF:27.2/19

+ sign -270.514+/-65.932 χ^2/NDF: 78.1/37

All: -200.123+/-46.704 χ^2/NDF: 121.0/76

- sign -129.230+/-66.167 χ^2/NDF: 40.6/38

asym_sam7_cor_correction_rms vs Slug



Right In: 311.388+/-0.089 χ^2/NDF: 2123799.0/15

Left Out: 317.257+/-0.055 χ^2/NDF:1089862.2/21

Right Out: 287.413+/-0.083 χ^2/NDF: 2690258.0/18

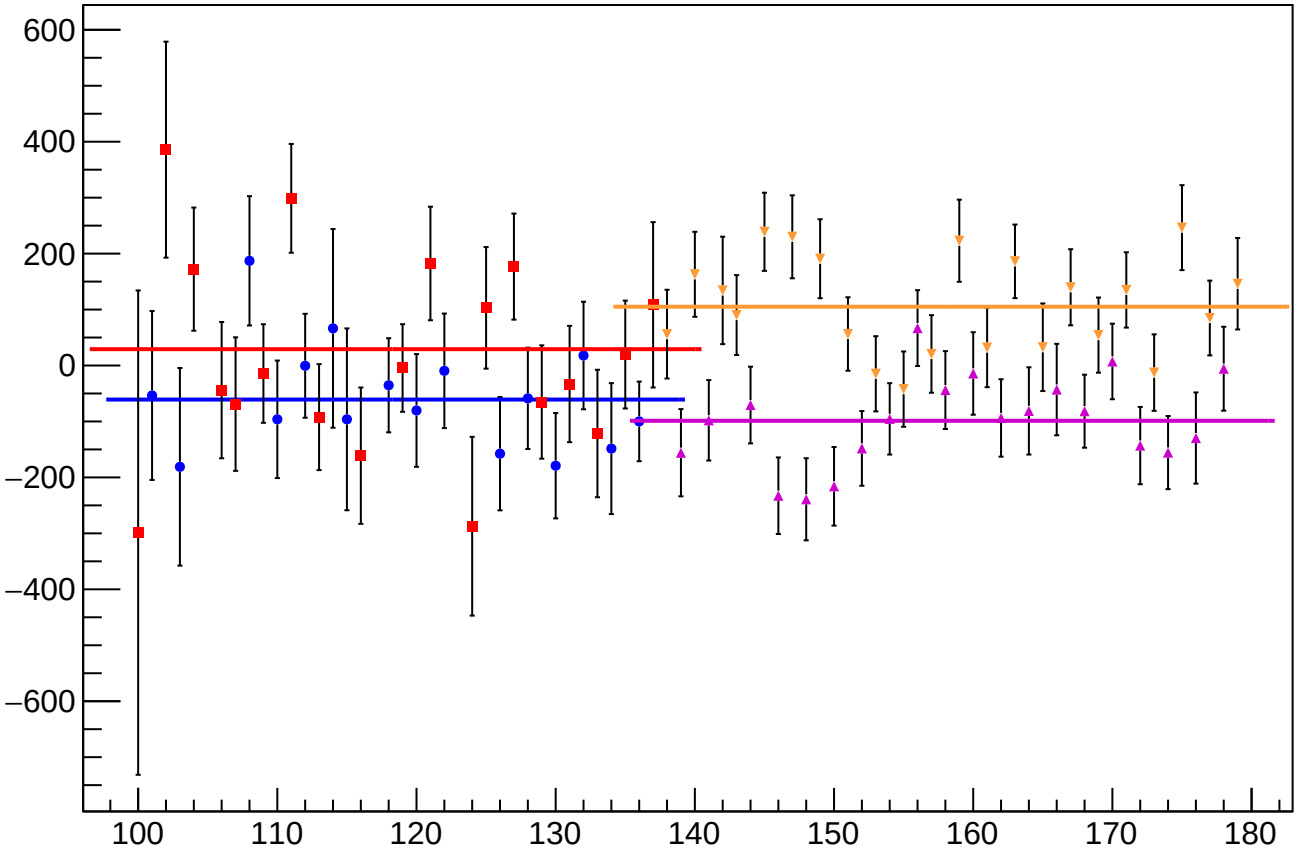
Left In: 317.315+/-0.057 χ^2/NDF:981690.7/19

+ sign 315.648+/-0.047 χ^2/NDF: 3216815.5/37

All: 311.793+/-0.033 χ^2/NDF: 6990539.7/76

- sign 307.911+/-0.047 χ^2/NDF: 3760004.9/38

eigen_cor_asym_sam7_mean vs Slug



Right In: -60.848+/-26.054 χ^2/NDF: 10.6/15

Left Out: 105.086+/-15.239 χ^2/NDF:32.9/21

Right Out: 29.221+/-25.143 χ^2/NDF: 31.3/18

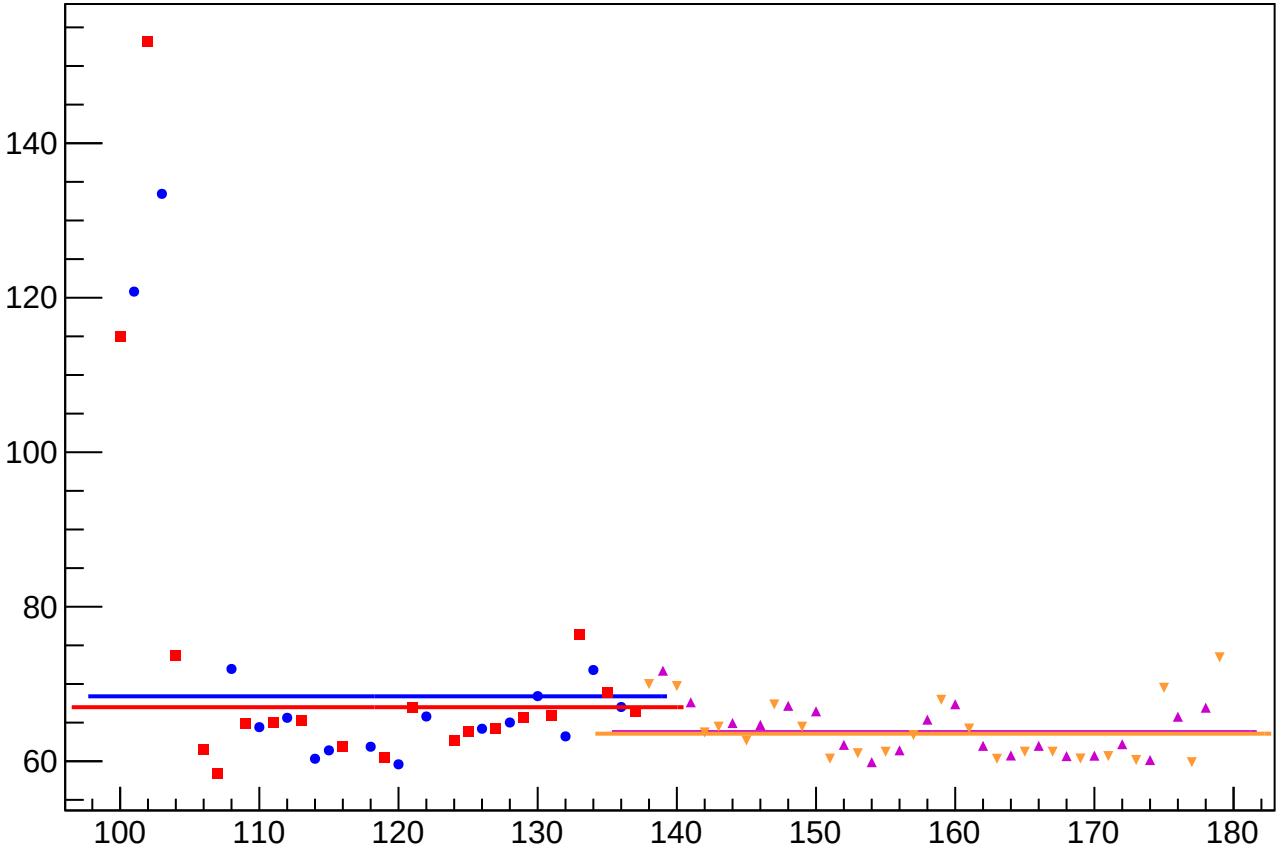
Left In: -98.795+/-15.812 χ^2/NDF:25.3/19

+ sign 62.788+/-13.154 χ^2/NDF: 73.7/37

All: 1.228+/-9.382 χ^2/NDF: 193.5/76

- sign -62.515+/-13.385 χ^2/NDF: 75.2/38

eigen_cor_asym_sam7_rms vs Slug



Right In: 68.403+/-0.018 χ^2/NDF: 569557.9/15

Left Out: 63.568+/-0.011 χ^2/NDF:119787.7/21

Right Out: 66.995+/-0.018 χ^2/NDF: 484487.7/18

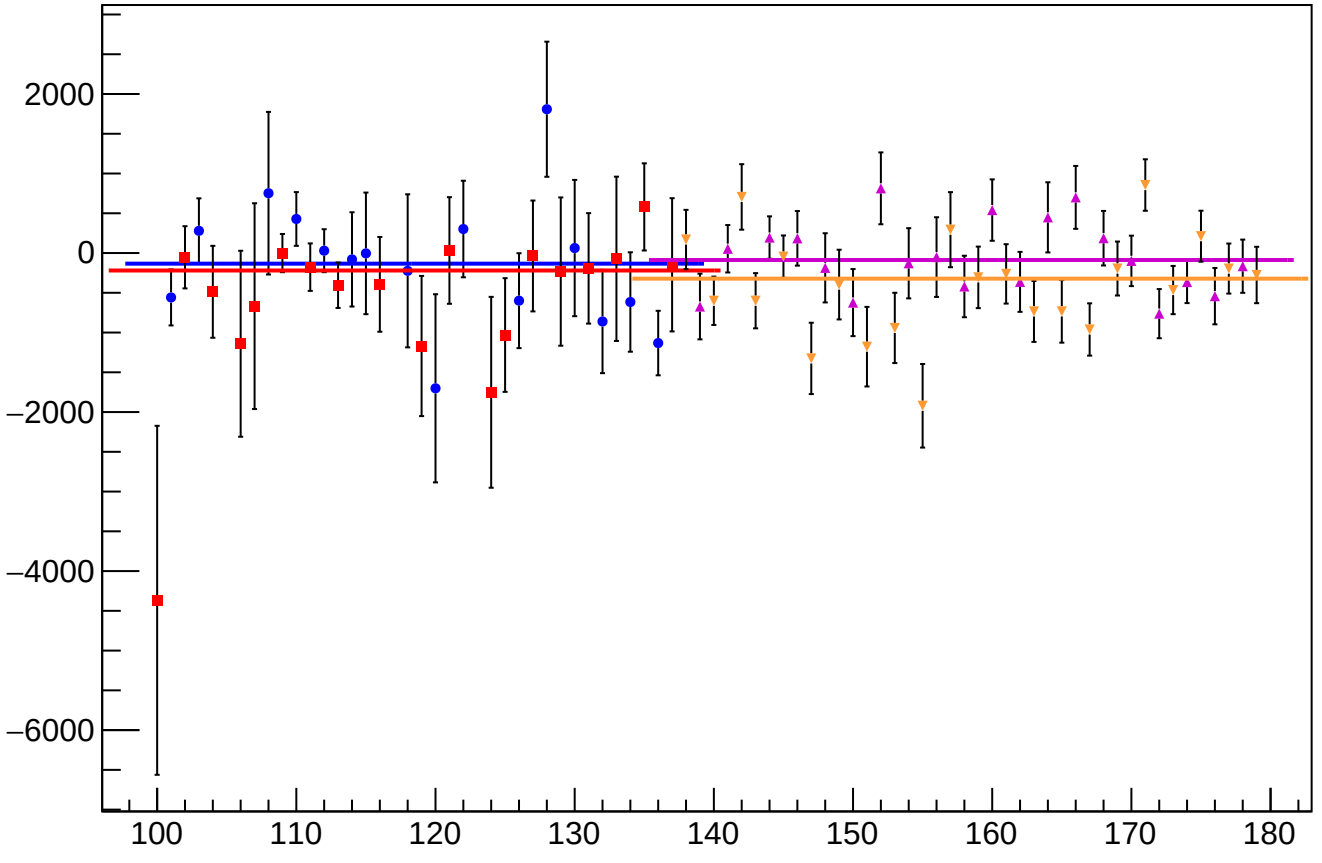
Left In: 63.771+/-0.011 χ^2/NDF:77482.5/19

+ sign 64.801+/-0.009 χ^2/NDF: 740673.5/37

All: 64.744+/-0.007 χ^2/NDF: 1326281.1/76

- sign 64.685+/-0.009 χ^2/NDF: 585531.2/38

asym_sam7_eigen_cor_correction_mean vs Slug



Right In: -133.587+/-125.904 χ^2/NDF: 22.5/15

Left Out: -322.252+/-77.393 χ^2/NDF:54.0/21

Right Out: -219.615+/-117.989 χ^2/NDF: 12.5/18

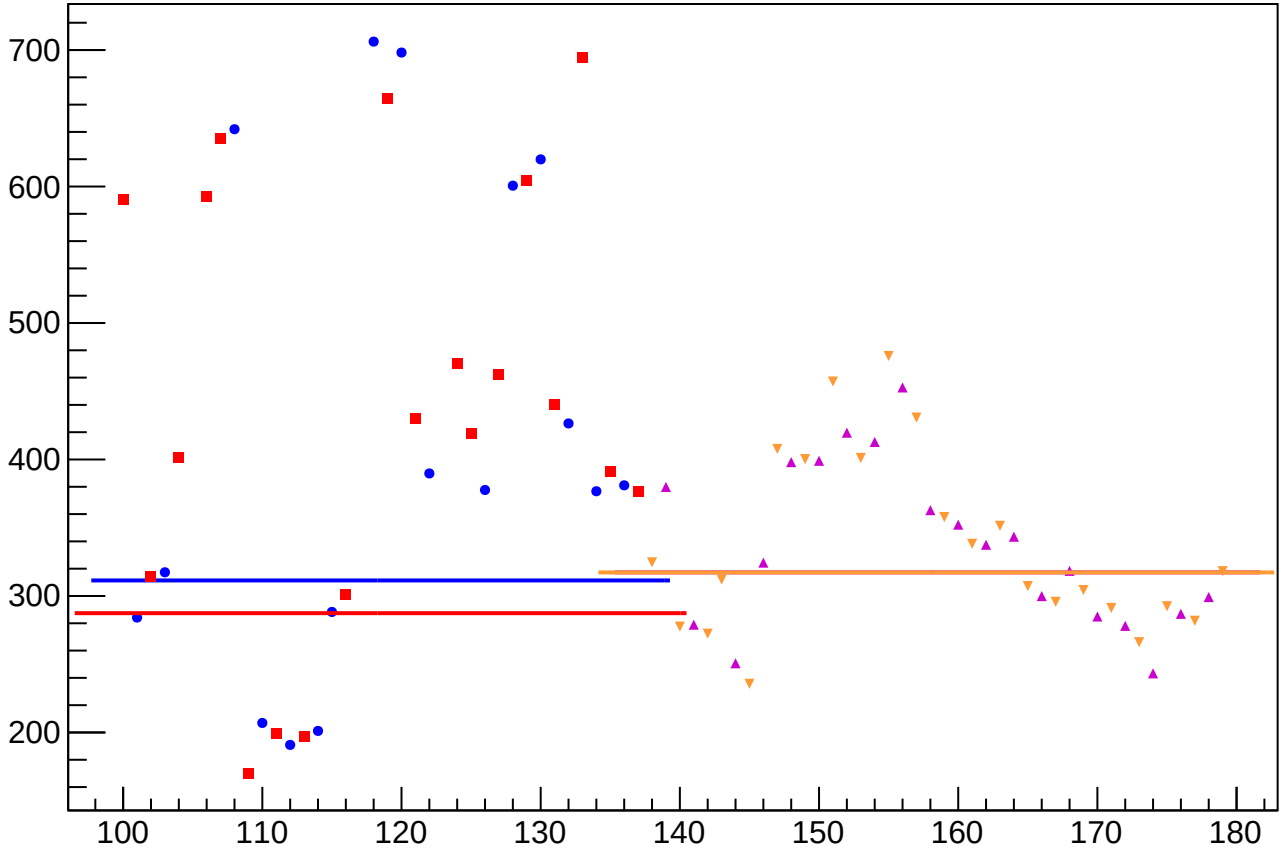
Left In: -87.765+/-79.916 χ^2/NDF:27.2/19

+ sign -270.514+/-65.932 χ^2/NDF: 78.1/37

All: -200.123+/-46.704 χ^2/NDF: 121.0/76

- sign -129.230+/-66.167 χ^2/NDF: 40.6/38

asym_sam7_eigen_cor_correction_rms vs Slug



Right In: 311.388+/-0.089 χ^2/NDF: 2123799.0/15

Left Out: 317.257+/-0.055 χ^2/NDF:1089862.2/21

Right Out: 287.413+/-0.083 χ^2/NDF: 2690258.0/18

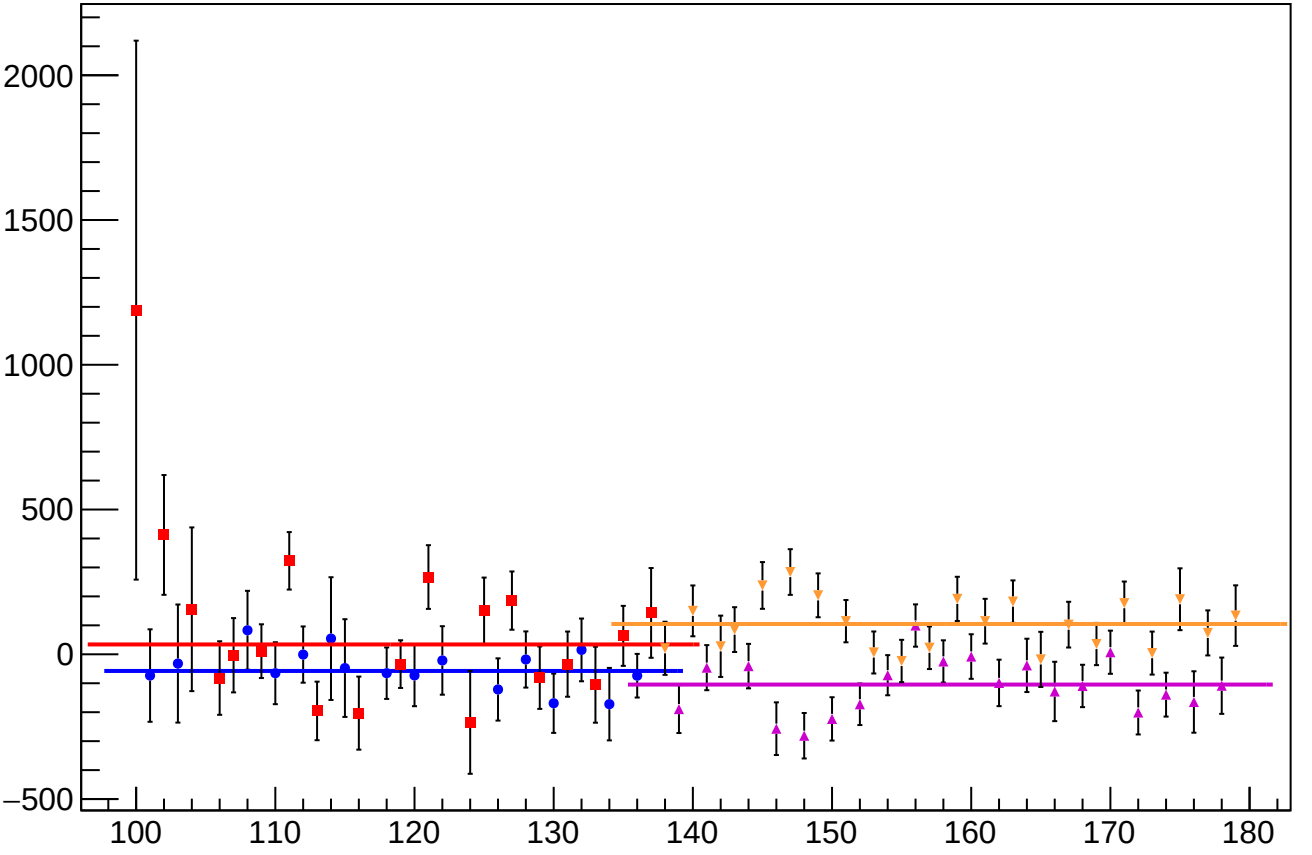
Left In: 317.315+/-0.057 χ^2/NDF:981690.7/19

+ sign 315.648+/-0.047 χ^2/NDF: 3216815.5/37

All: 311.793+/-0.033 χ^2/NDF: 6990539.7/76

- sign 307.911+/-0.047 χ^2/NDF: 3760004.9/38

dit_asym_sam7_mean vs Slug



Right In: -57.533+/-28.087 χ^2/NDF: 4.9/15

Left Out: 104.726+/-17.073 χ^2/NDF:26.1/21

Right Out: 34.033+/-27.398 χ^2/NDF: 37.1/18

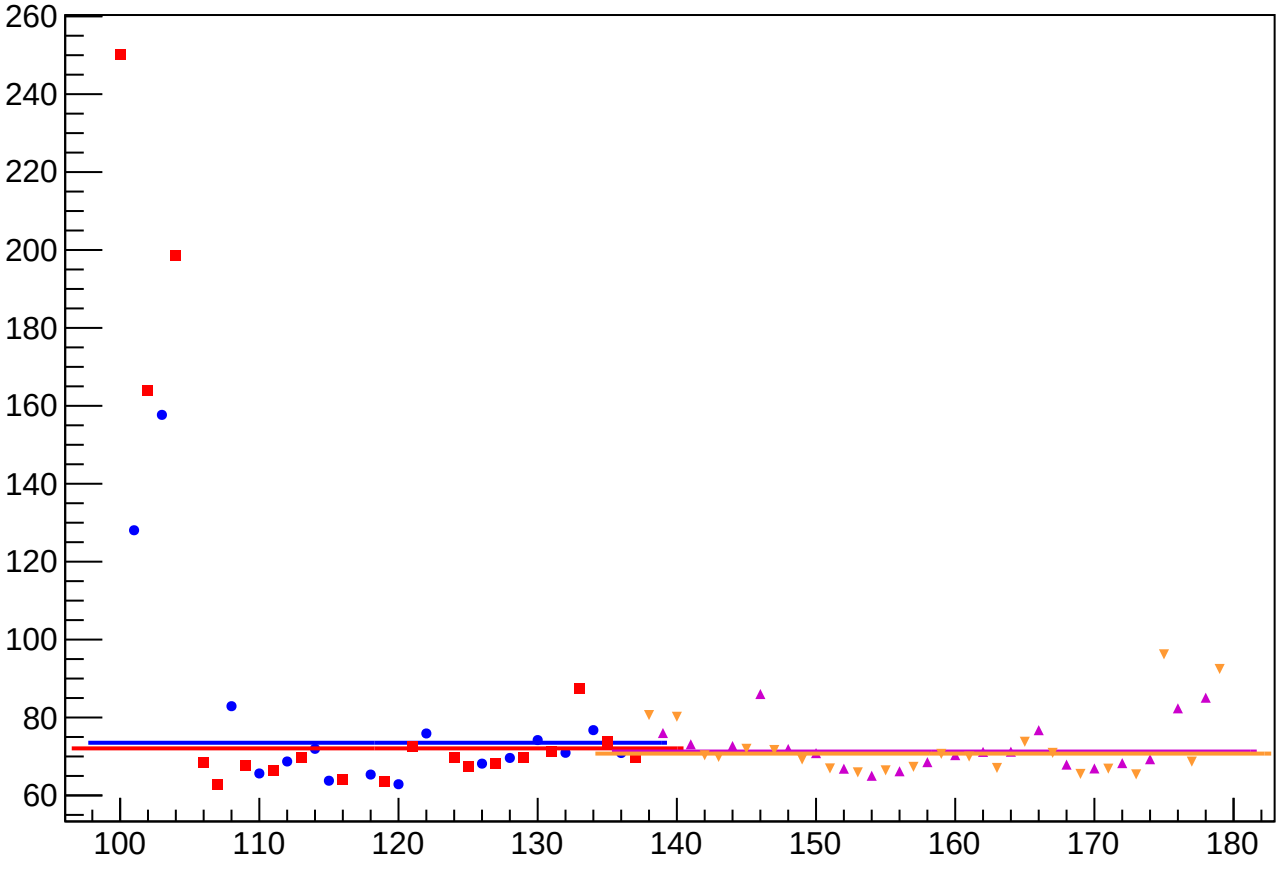
Left In: -104.551+/-17.776 χ^2/NDF:29.3/19

+ sign 60.947+/-14.589 χ^2/NDF: 55.3/37

All: 0.090+/-10.429 χ^2/NDF: 175.4/76

- sign -63.495+/-14.912 χ^2/NDF: 84.5/38

dit_asym_sam7_rms vs Slug



Right In: 73.519+/-0.020 χ^2/NDF: 656847.5/15

Left Out: 70.737+/-0.012 χ^2/NDF:308383.6/21

Right Out: 72.074+/-0.019 χ^2/NDF: 958495.0/18

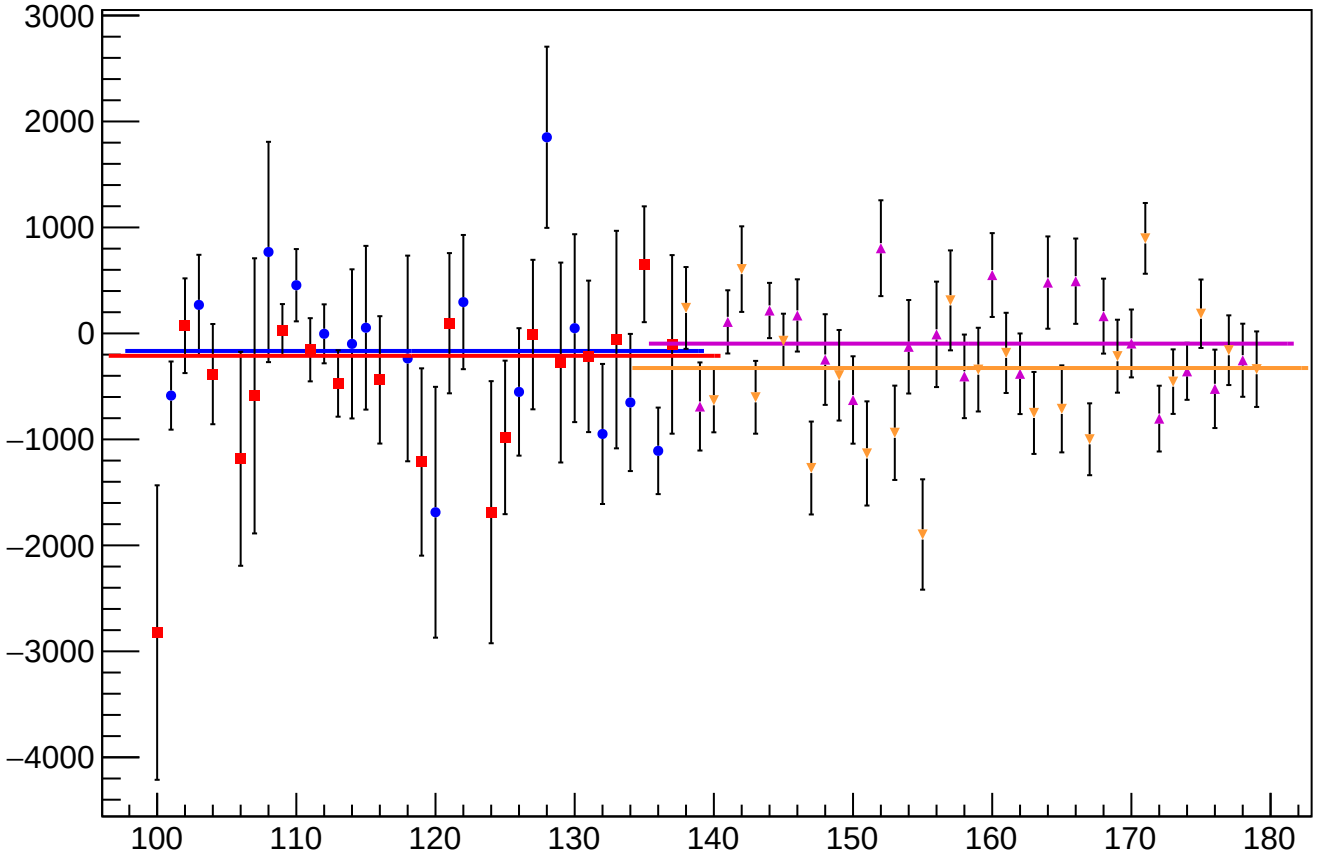
Left In: 71.262+/-0.013 χ^2/NDF:180958.4/19

+ sign 71.488+/-0.010 χ^2/NDF: 979559.3/37

All: 71.495+/-0.007 χ^2/NDF: 2120249.6/76

- sign 71.503+/-0.011 χ^2/NDF: 1140689.3/38

asym_sam7_dit_correction_mean vs Slug



Right In: -165.500+/-128.438 χ^2/NDF: 22.6/15

Left Out: -326.598+/-77.823 χ^2/NDF:53.0/21

Right Out: -211.347+/-120.122 χ^2/NDF: 13.6/18

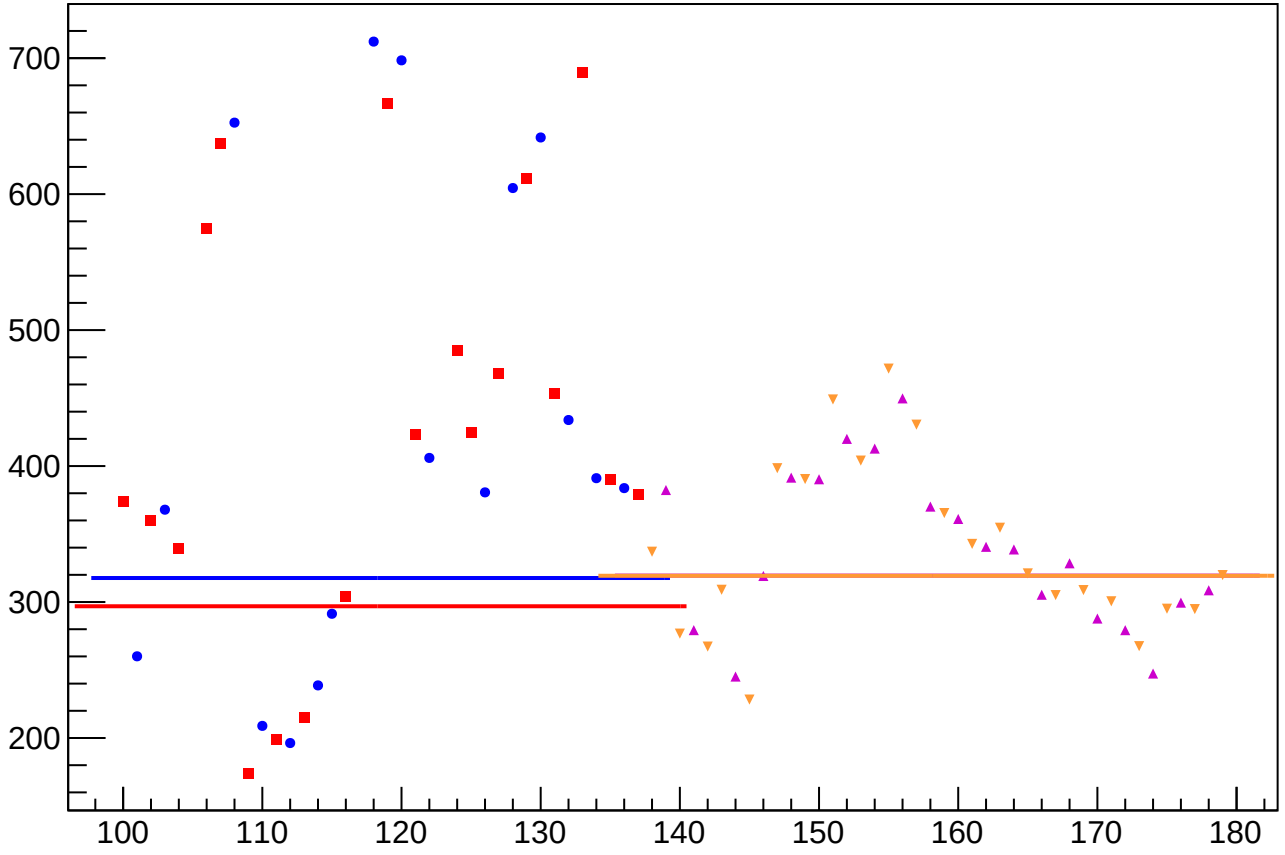
Left In: -96.464+/-80.429 χ^2/NDF:26.3/19

+ sign -283.336+/-66.558 χ^2/NDF: 76.7/37

All: -207.990+/-47.160 χ^2/NDF: 119.9/76

- sign -132.025+/-66.831 χ^2/NDF: 40.5/38

asym_sam7_dit_correction_rms vs Slug



Right In: 317.664+/-0.091 χ^2/NDF: 2136192.8/15

Left Out: 319.317+/-0.055 χ^2/NDF:1089097.7/21

Right Out: 296.888+/-0.085 χ^2/NDF: 2541040.3/18

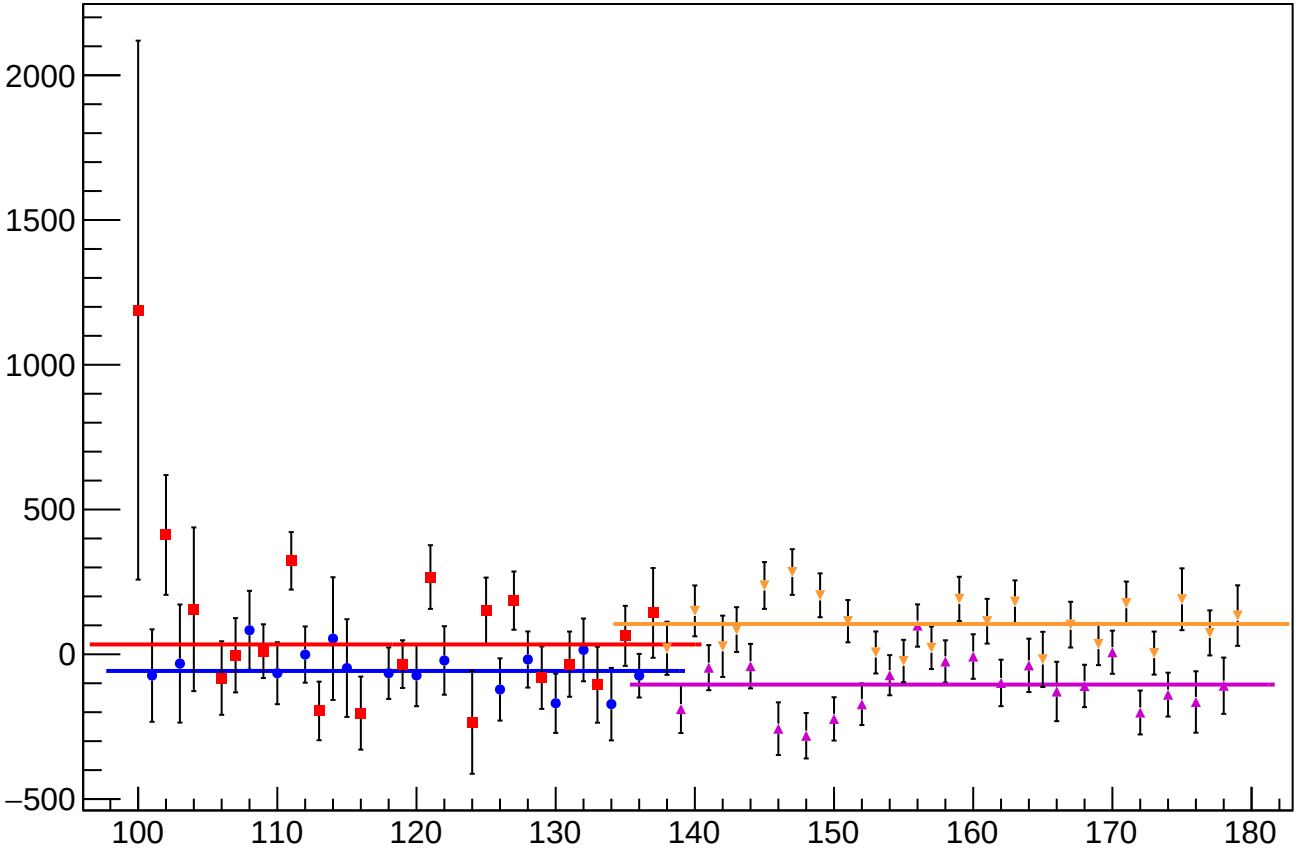
Left In: 319.431+/-0.057 χ^2/NDF:958962.9/19

\+ sign 318.873+/-0.047 χ^2/NDF: 3225533.0/37

All: 315.676+/-0.033 χ^2/NDF: 6783436.8/76

\- sign 312.453+/-0.047 χ^2/NDF: 3548636.0/38

eigen_dit_asym_sam7_mean vs Slug



Right In: -57.532+/-28.087 χ^2/NDF: 4.9/15

Left Out: 104.726+/-17.073 χ^2/NDF:26.1/21

Right Out: 34.034+/-27.398 χ^2/NDF: 37.1/18

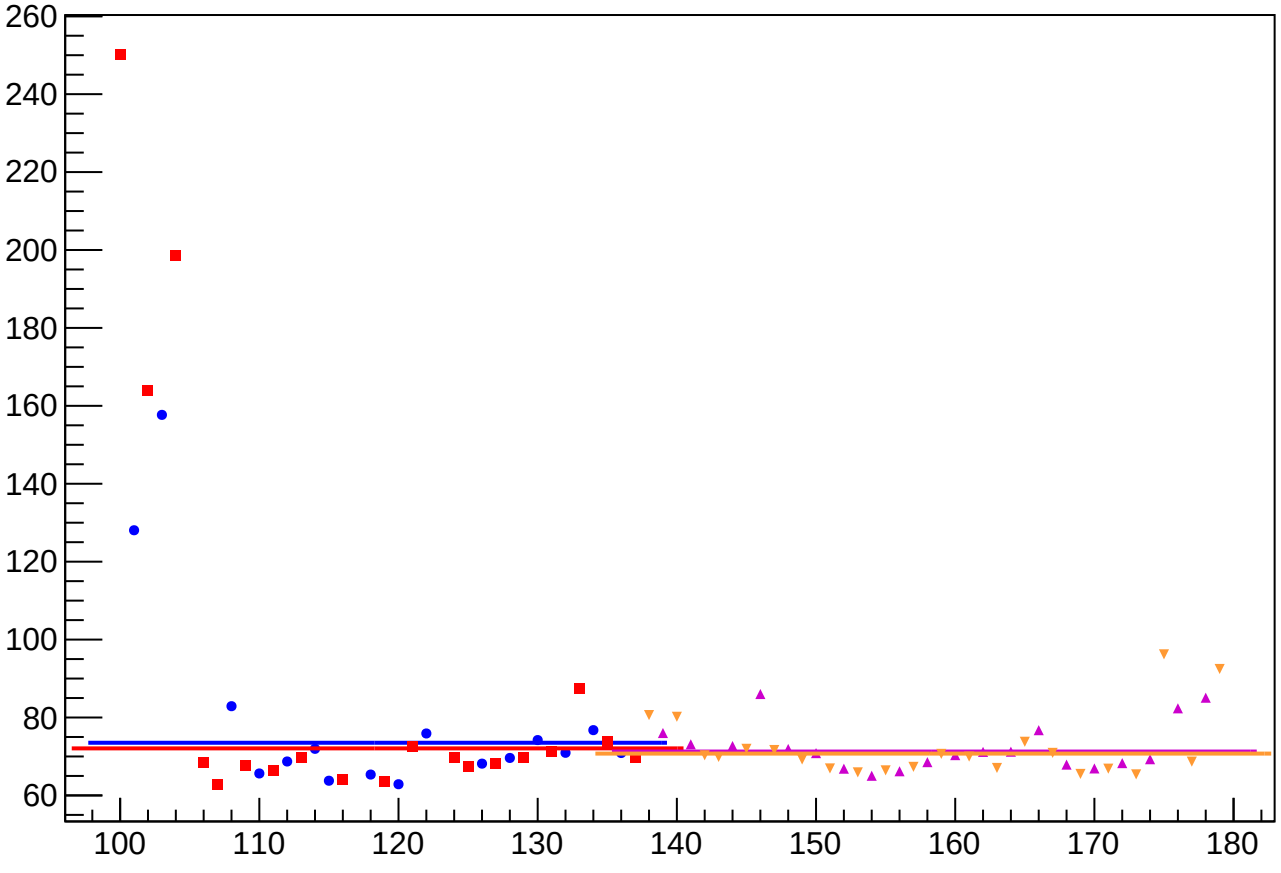
Left In: -104.551+/-17.776 χ^2/NDF:29.3/19

+ sign 60.947+/-14.589 χ^2/NDF: 55.3/37

All: 0.090+/-10.429 χ^2/NDF: 175.4/76

- sign -63.495+/-14.912 χ^2/NDF: 84.5/38

eigen_dit_asym_sam7_rms vs Slug



Right In: 73.519+/-0.020 χ^2/NDF: 656849.2/15

Left Out: 70.737+/-0.012 χ^2/NDF:308381.9/21

Right Out: 72.074+/-0.019 χ^2/NDF: 958496.3/18

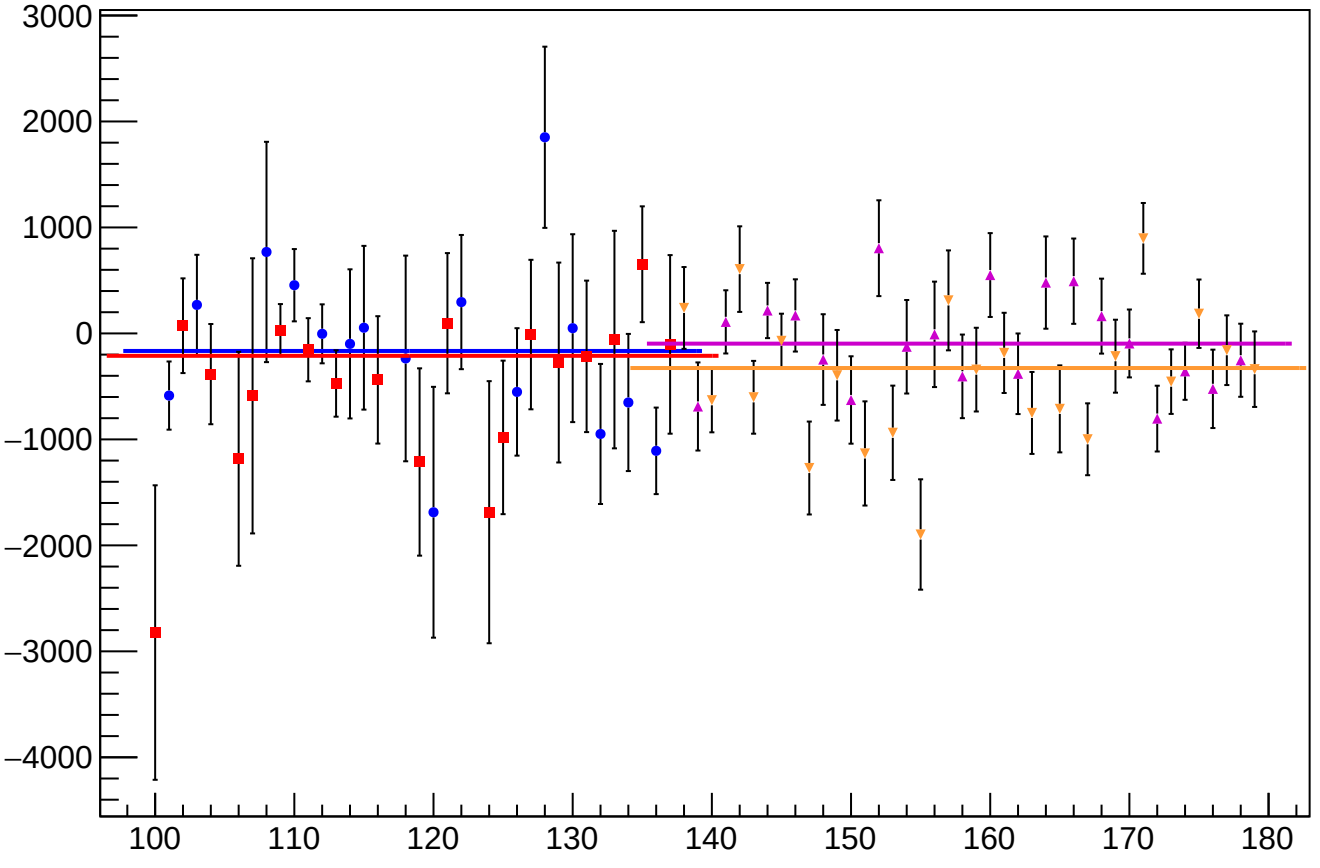
Left In: 71.262+/-0.013 χ^2/NDF:180957.7/19

+ sign 71.488+/-0.010 χ^2/NDF: 979557.8/37

All: 71.495+/-0.007 χ^2/NDF: 2120248.4/76

- sign 71.503+/-0.011 χ^2/NDF: 1140689.6/38

asym_sam7_eigen_dit_correction_mean vs Slug



Right In: -165.498+/-128.437 χ^2/NDF: 22.6/15

Left Out: -326.599+/-77.823 χ^2/NDF:53.0/21

Right Out: -211.347+/-120.121 χ^2/NDF: 13.6/18

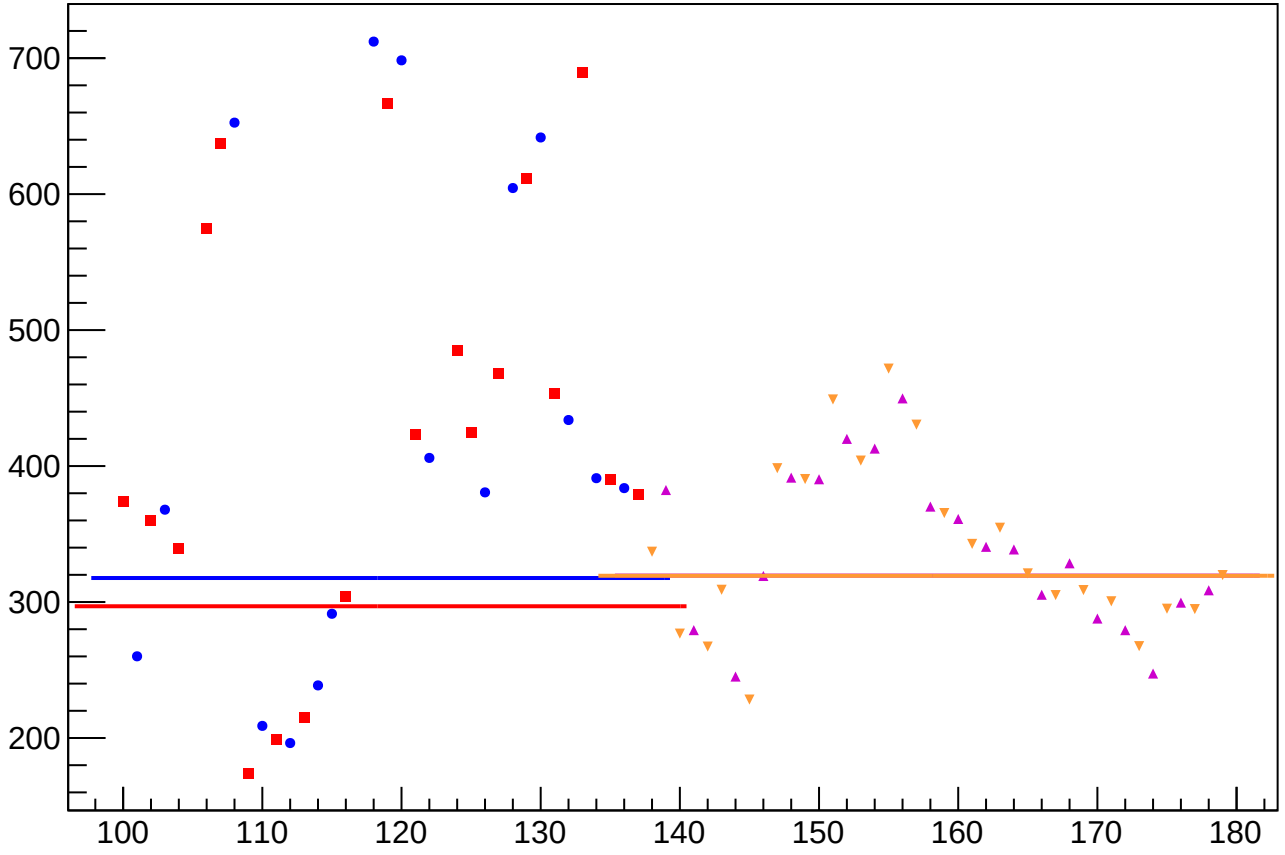
Left In: -96.463+/-80.429 χ^2/NDF:26.3/19

+ sign -283.336+/-66.558 χ^2/NDF: 76.7/37

All: -207.990+/-47.160 χ^2/NDF: 119.9/76

- sign -132.024+/-66.831 χ^2/NDF: 40.5/38

asym_sam7_eigen_dit_correction_rms vs Slug



Right In: 317.661+/-0.091 χ^2/NDF: 2136224.4/15

Left Out: 319.318+/-0.055 χ^2/NDF:1089102.4/21

Right Out: 296.887+/-0.085 χ^2/NDF: 2541051.2/18

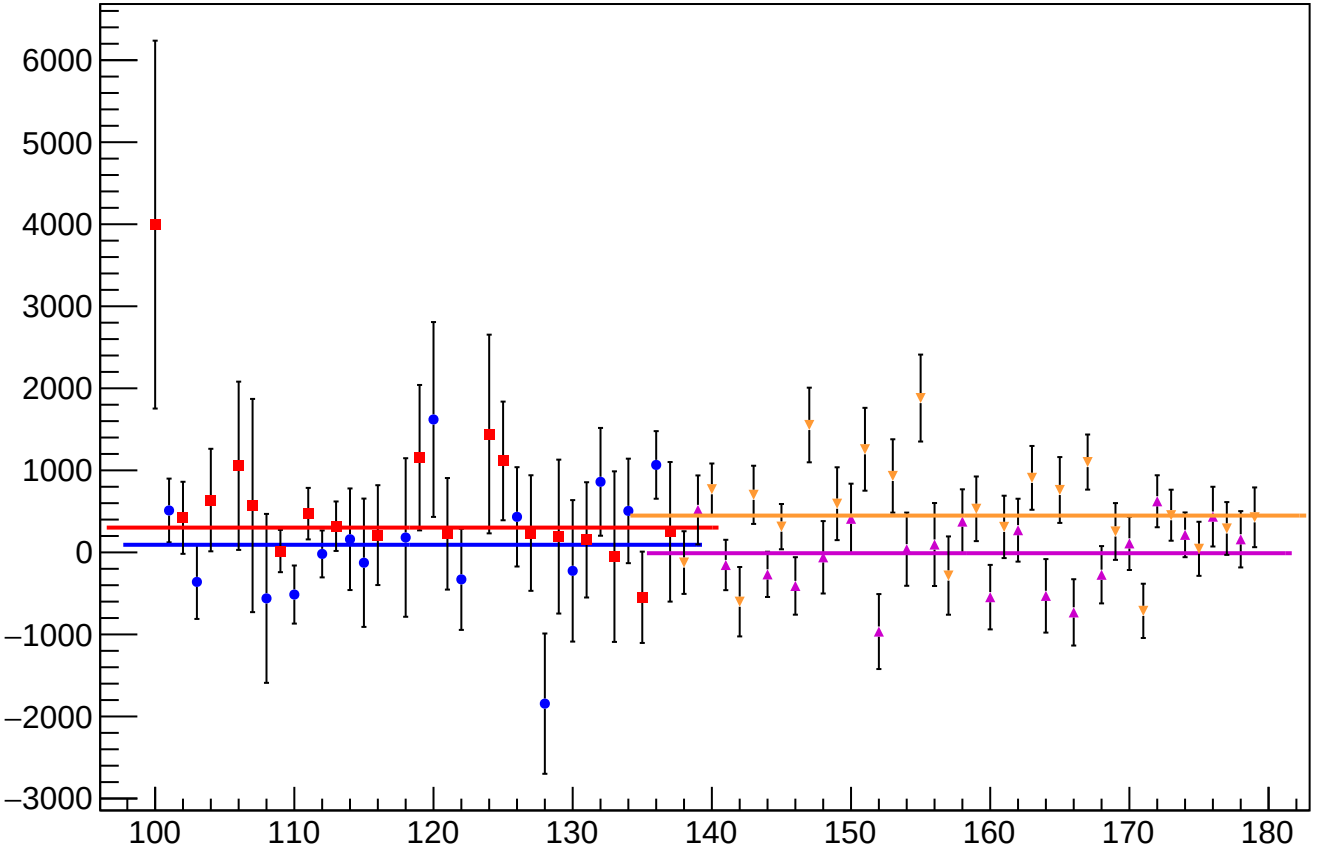
Left In: 319.431+/-0.057 χ^2/NDF:958960.7/19

+ sign 318.873+/-0.047 χ^2/NDF: 3225570.1/37

All: 315.676+/-0.033 χ^2/NDF: 6783489.6/76

- sign 312.452+/-0.047 χ^2/NDF: 3548652.6/38

asym_sam7_mean vs Slug



Right In: 92.803+/-131.927 χ^2/NDF: 20.8/15

Left Out: 448.750+/-79.113 χ^2/NDF:49.9/21

Right Out: 302.273+/-123.916 χ^2/NDF: 10.8/18

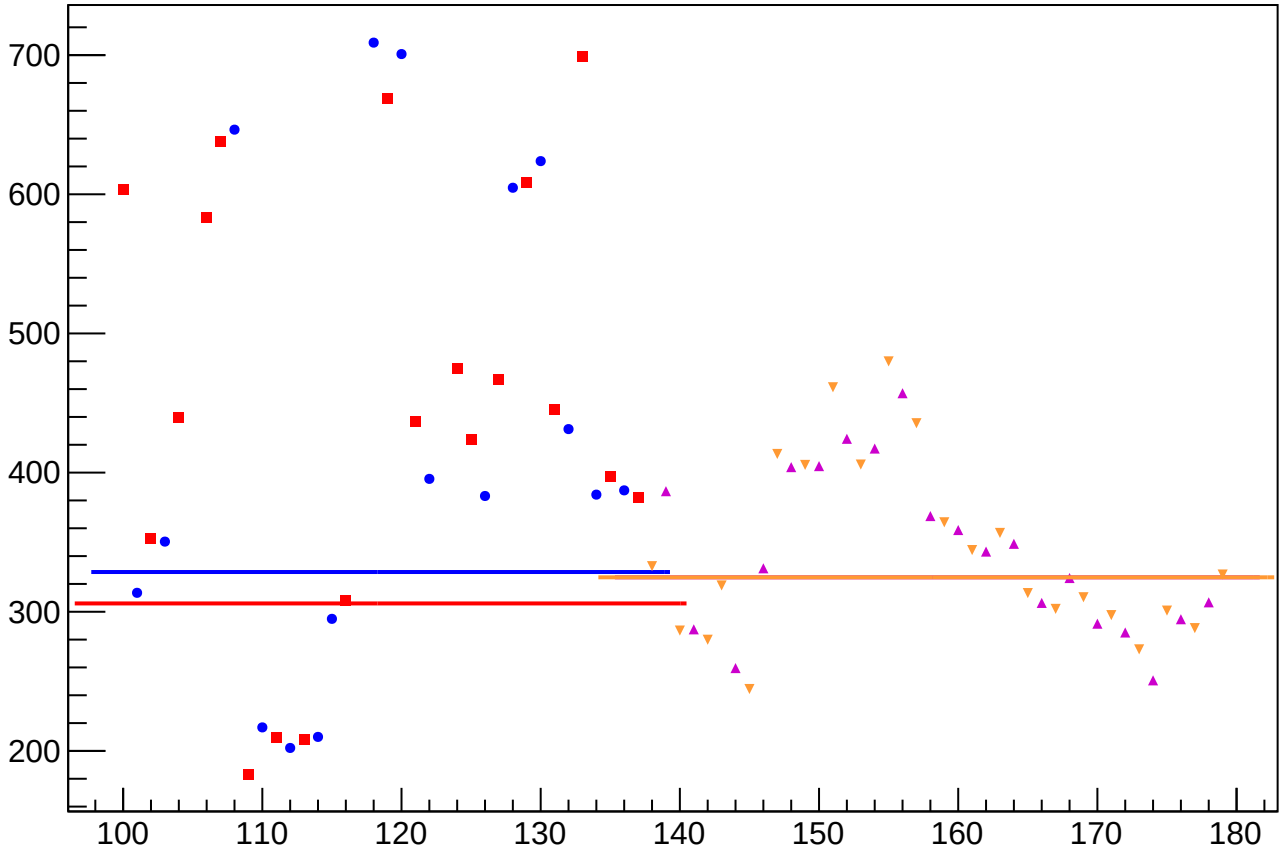
Left In: -9.909+/-81.684 χ^2/NDF:24.4/19

\+ sign 354.604+/-67.849 χ^2/NDF: 76.1/37

All: 220.325+/-48.100 χ^2/NDF: 123.6/76

\- sign 84.653+/-68.200 χ^2/NDF: 39.6/38

asym_sam7_rms vs Slug



Right In: 328.567+/-0.093 χ^2/NDF: 1958873.4/15

Left Out: 324.758+/-0.056 χ^2/NDF:1014519.5/21

Right Out: 305.988+/-0.088 χ^2/NDF: 2527463.5/18

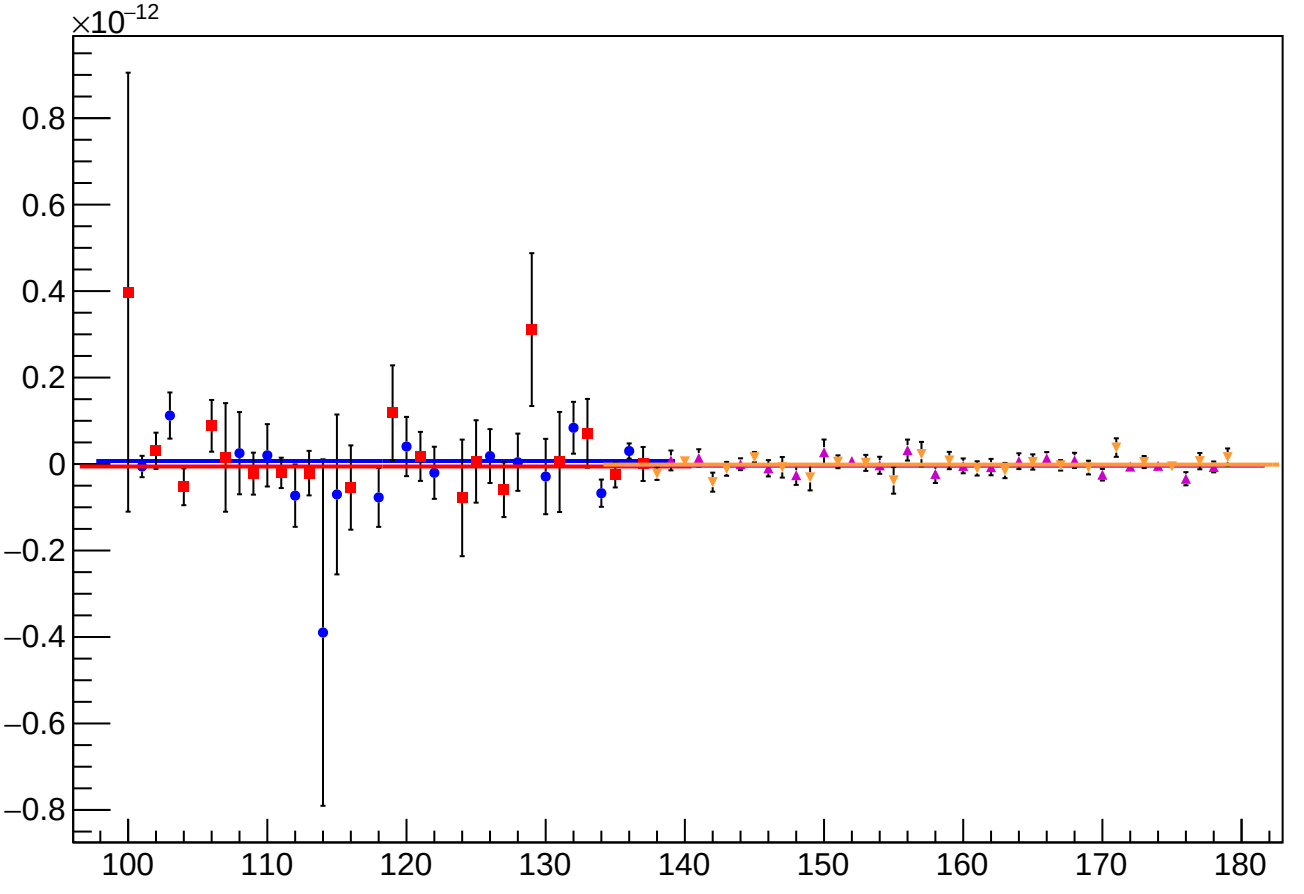
Left In: 324.750+/-0.058 χ^2/NDF:911117.9/19

+ sign 325.766+/-0.048 χ^2/NDF: 2974618.5/37

All: 322.434+/-0.034 χ^2/NDF: 6454857.0/76

- sign 319.067+/-0.048 χ^2/NDF: 3470540.6/38

asym_sam7_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 17.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:17.9/21

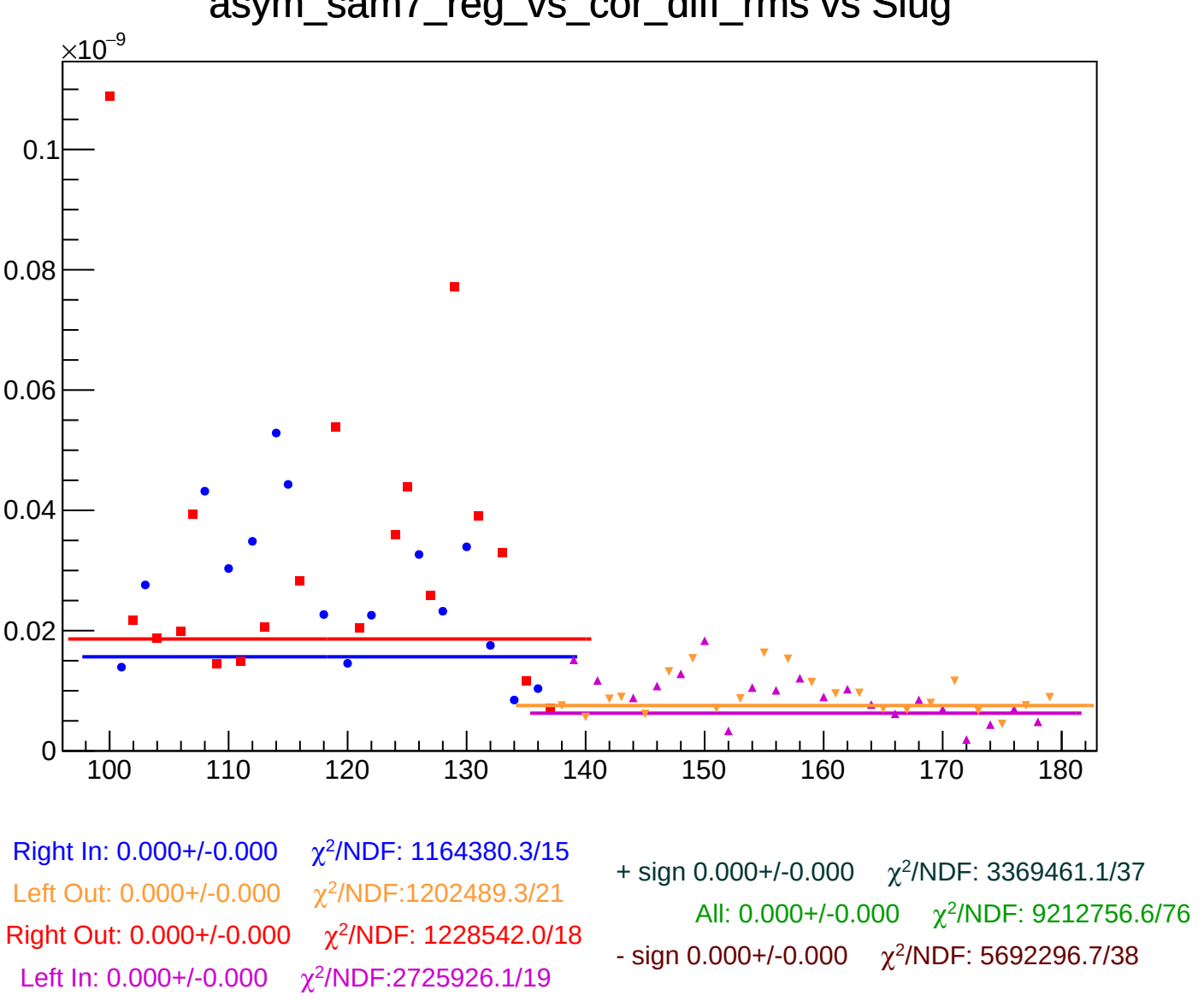
Right Out: -0.000+/-0.000 χ^2/NDF: 12.8/18

Left In: -0.000+/-0.000 χ^2/NDF:15.8/19

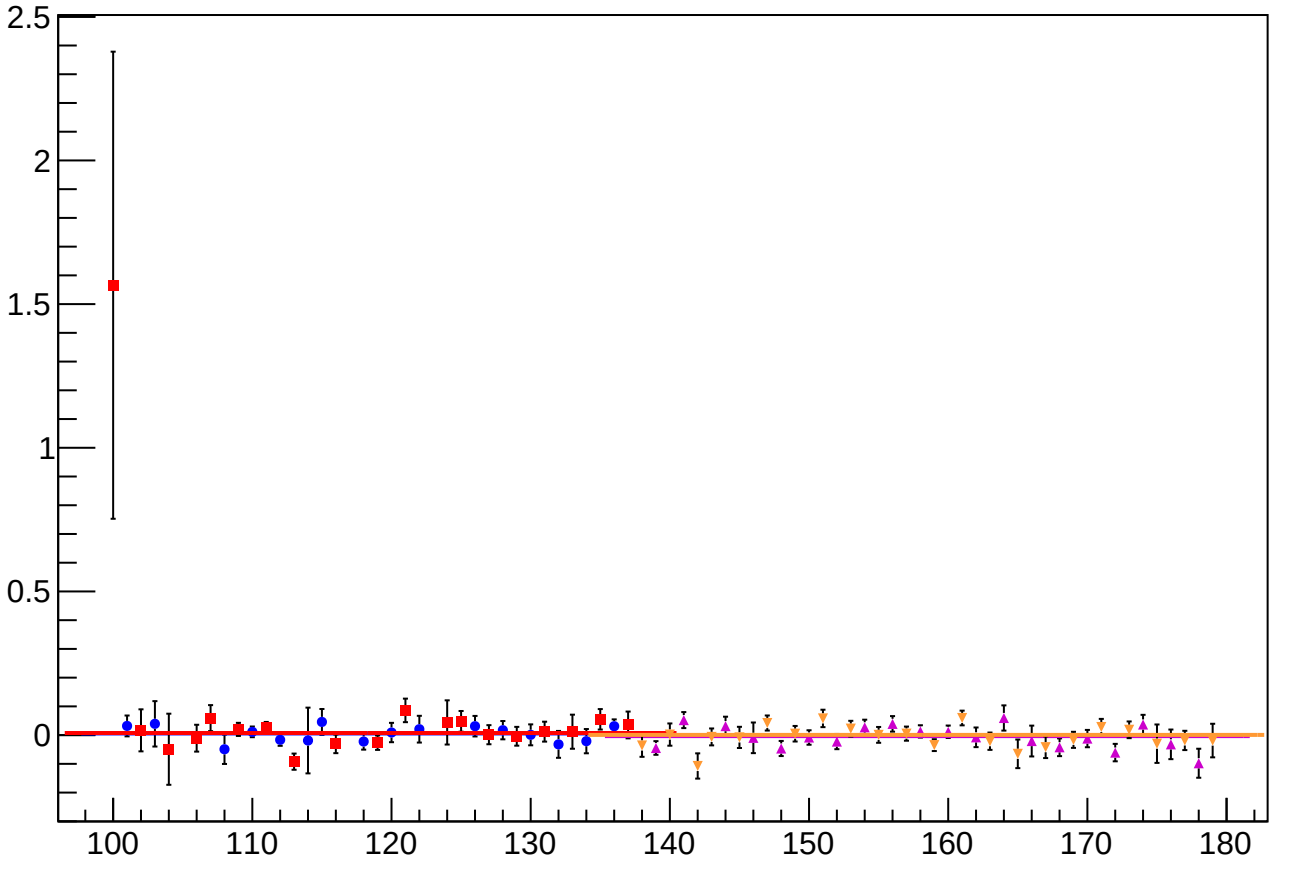
+ sign -0.000+/-0.000 χ^2/NDF: 36.2/37

All: -0.000+/-0.000 χ^2/NDF: 65.4/76

- sign -0.000+/-0.000 χ^2/NDF: 28.6/38


asym_sam7_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1164380.3/15
Left Out: 0.000+/-0.000 χ²/NDF:1202489.3/21
Right Out: 0.000+/-0.000 χ²/NDF: 1228542.0/18
Left In: 0.000+/-0.000 χ²/NDF:2725926.1/19
+ sign 0.000+/-0.000 χ²/NDF: 3369461.1/37
All: 0.000+/-0.000 χ²/NDF: 9212756.6/76
- sign 0.000+/-0.000 χ²/NDF: 5692296.7/38

asym_sam7_dit_vs_cor_diff_mean vs Slug



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.001+/-0.007 χ^2/NDF:28.0/21

Right Out: 0.007+/-0.008 χ^2/NDF: 29.8/18

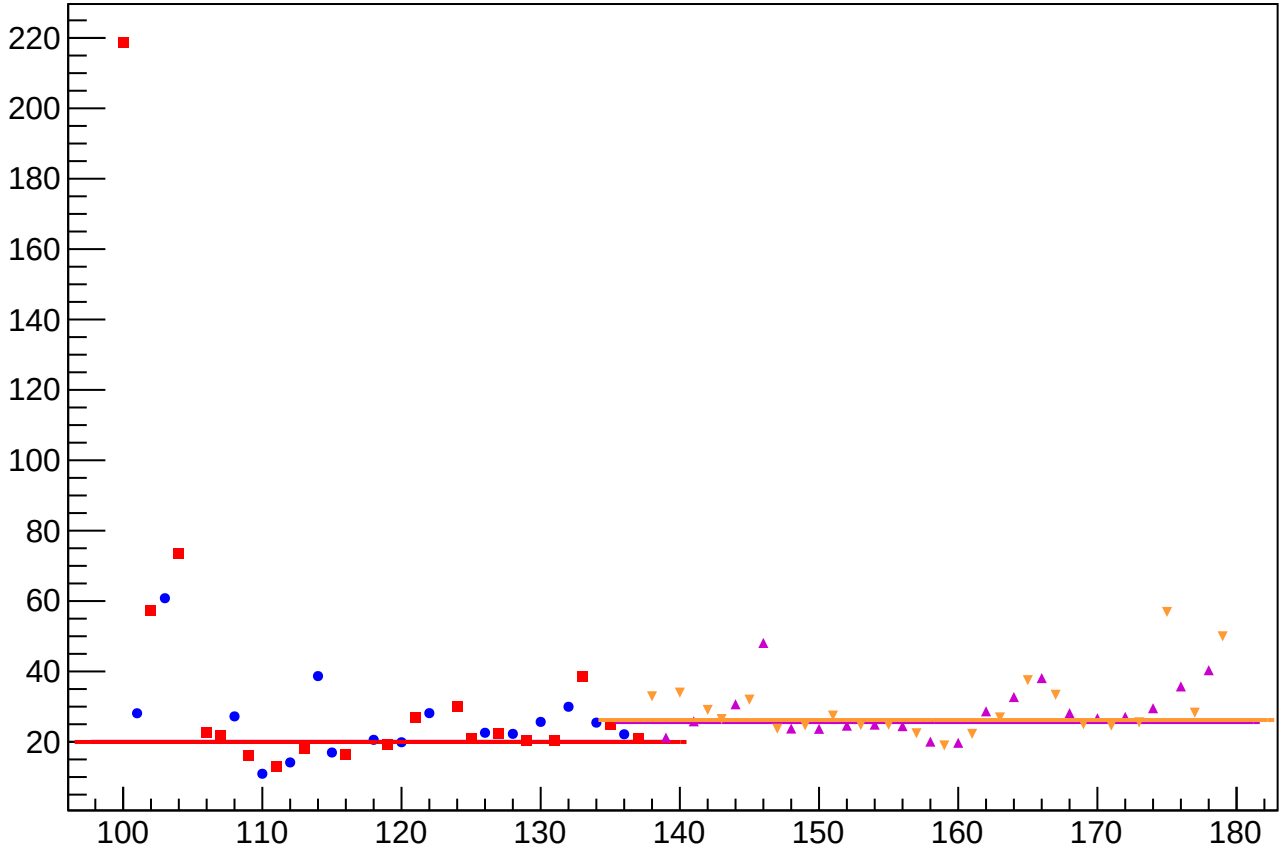
Left In: -0.003+/-0.007 χ^2/NDF:28.9/19

+ sign 0.003+/-0.005 χ^2/NDF: 36.1/37

All: 0.002+/-0.004 χ^2/NDF: 95.9/76

- sign 0.001+/-0.005 χ^2/NDF: 59.8/38

asym_sam7_dit_vs_cor_diff_rms vs Slug



Right In: 20.000+/-0.006 χ^2/NDF: 1641371.9/15

Left Out: 26.199+/-0.005 χ^2/NDF:1523246.8/21

Right Out: 19.963+/-0.006 χ^2/NDF: 1716895.2/18

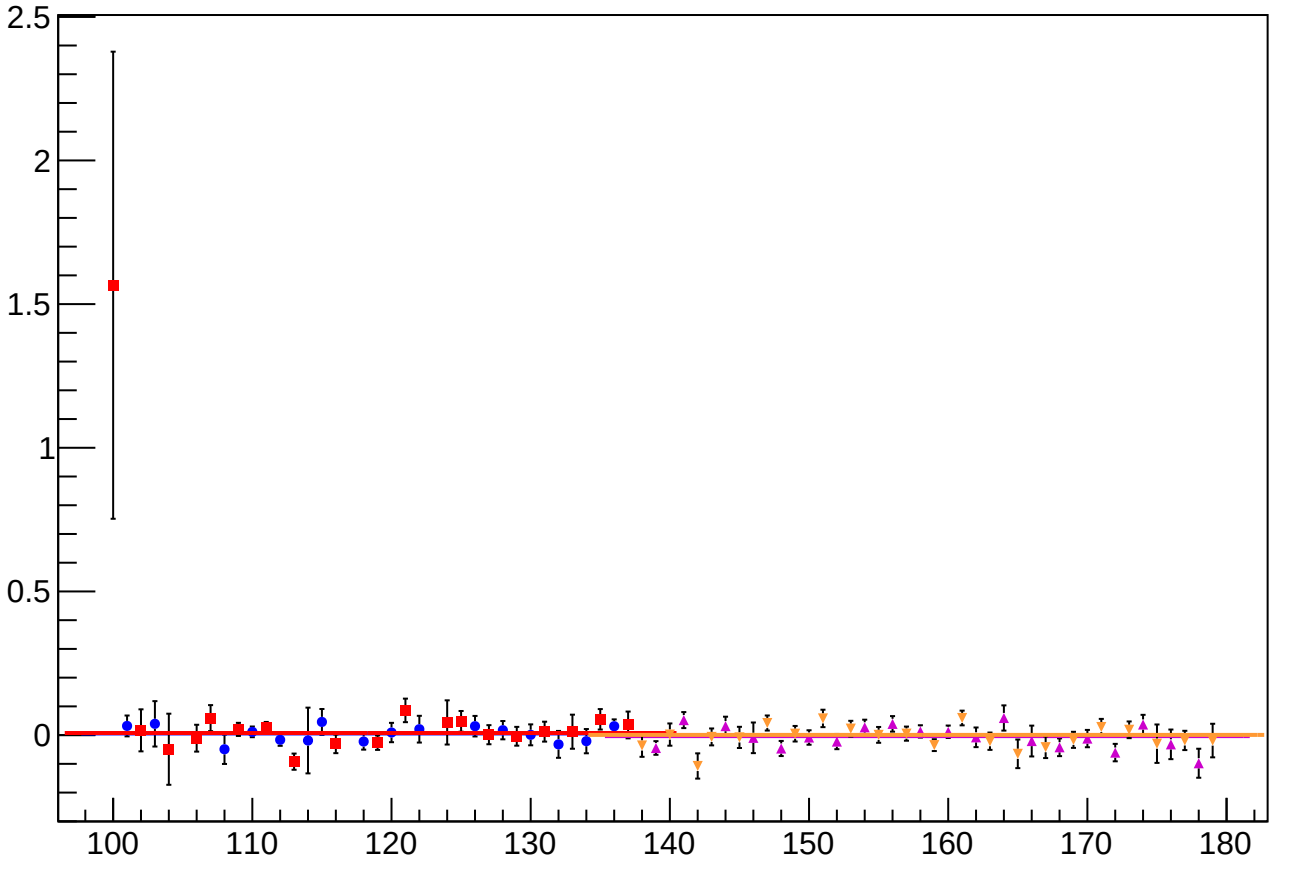
Left In: 25.620+/-0.005 χ^2/NDF:1255045.2/19

+ sign 23.763+/-0.004 χ^2/NDF: 3863790.2/37

All: 23.548+/-0.003 χ^2/NDF: 7424445.6/76

- sign 23.331+/-0.004 χ^2/NDF: 3553601.8/38

asym_sam7_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.001+/-0.007 χ^2/NDF:28.0/21

Right Out: 0.007+/-0.008 χ^2/NDF: 29.8/18

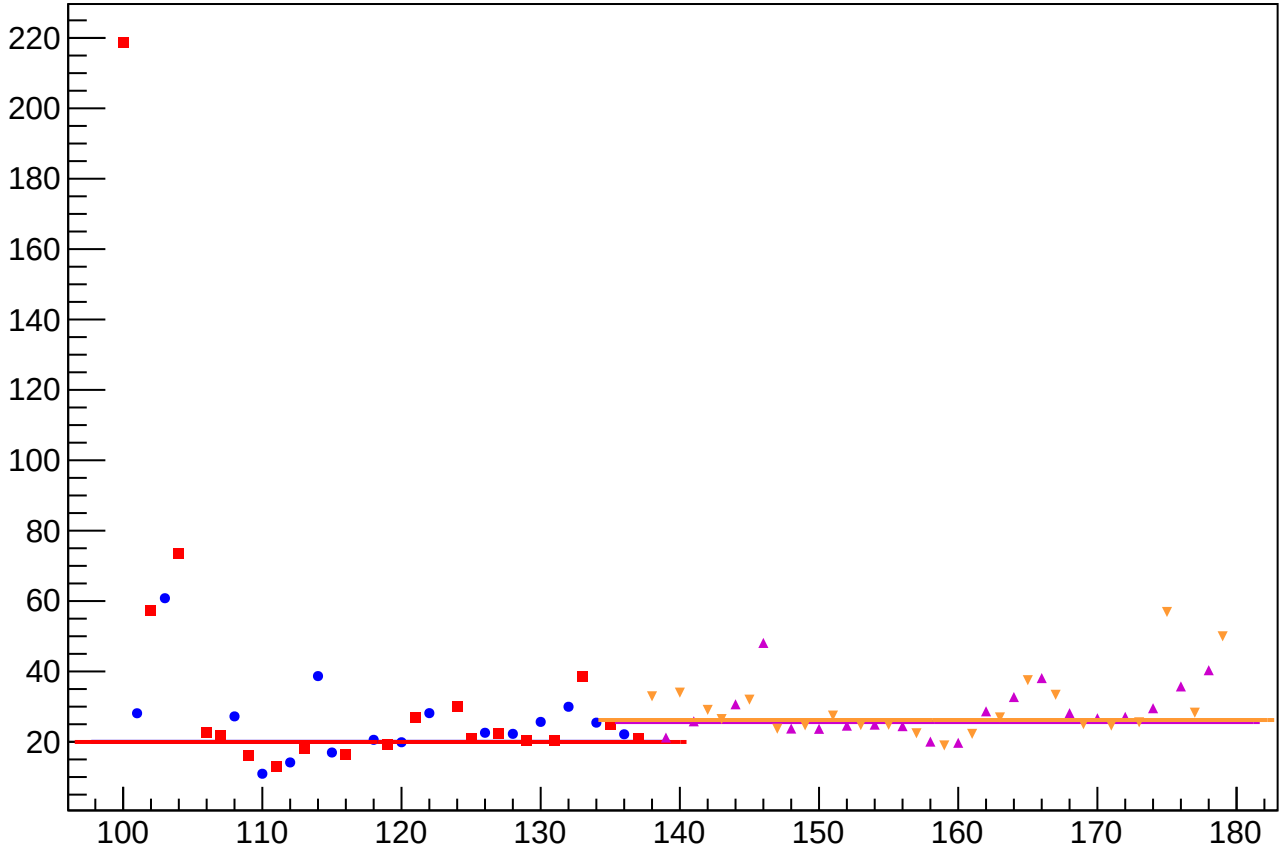
Left In: -0.003+/-0.007 χ^2/NDF:28.9/19

+ sign 0.003+/-0.005 χ^2/NDF: 36.1/37

All: 0.002+/-0.004 χ^2/NDF: 95.9/76

- sign 0.001+/-0.005 χ^2/NDF: 59.8/38

asym_sam7_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 20.000+/-0.006 χ^2/NDF: 1641371.9/15

Left Out: 26.199+/-0.005 χ^2/NDF:1523246.8/21

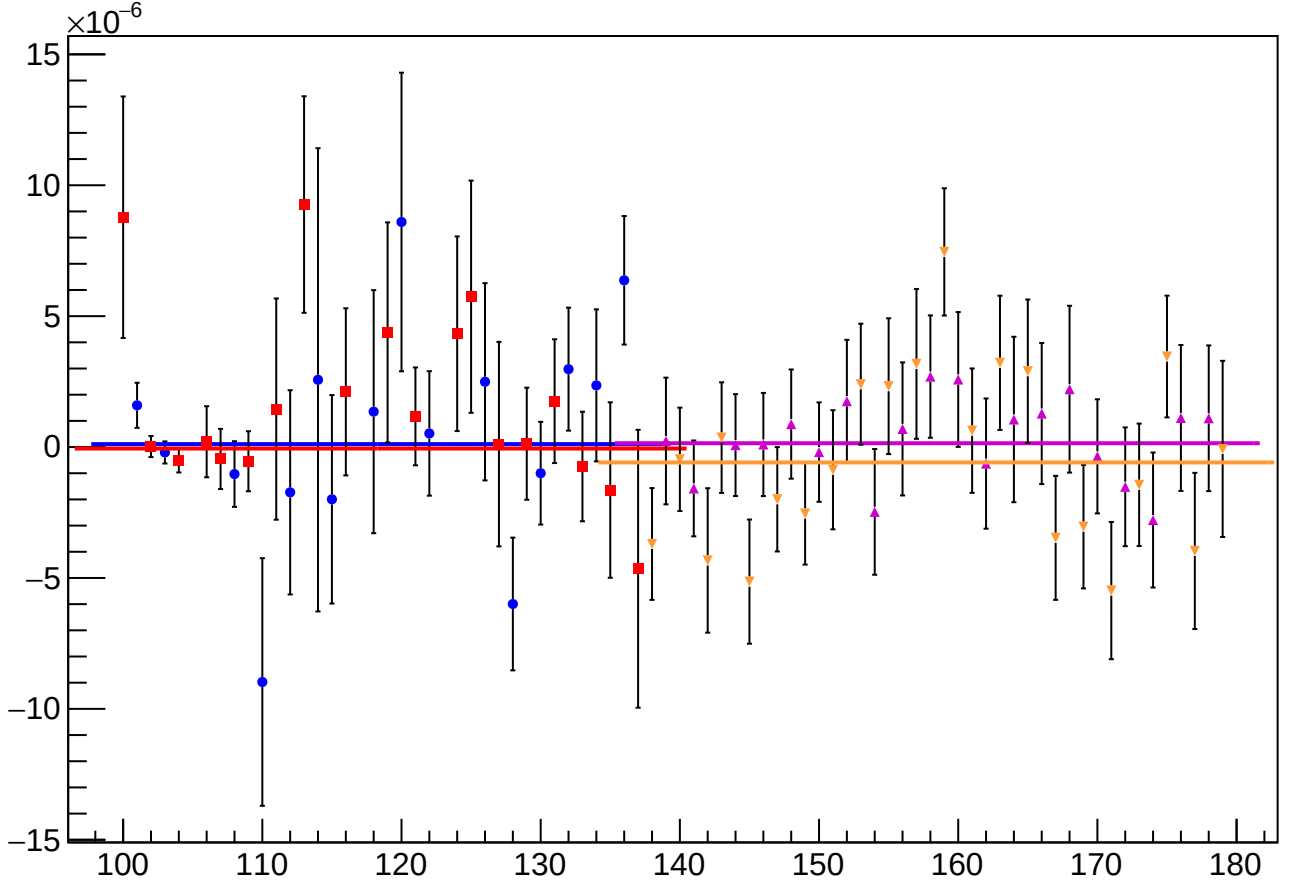
Right Out: 19.963+/-0.006 χ^2/NDF: 1716895.2/18

Left In: 25.620+/-0.005 χ^2/NDF:1255045.2/19

+ sign 23.763+/-0.004 χ^2/NDF: 3863790.2/37

All: 23.548+/-0.003 χ^2/NDF: 7424445.6/76

- sign 23.331+/-0.004 χ^2/NDF: 3553601.8/38



Right In: 0.000+/-0.000 χ^2/NDF: 26.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:39.6/21

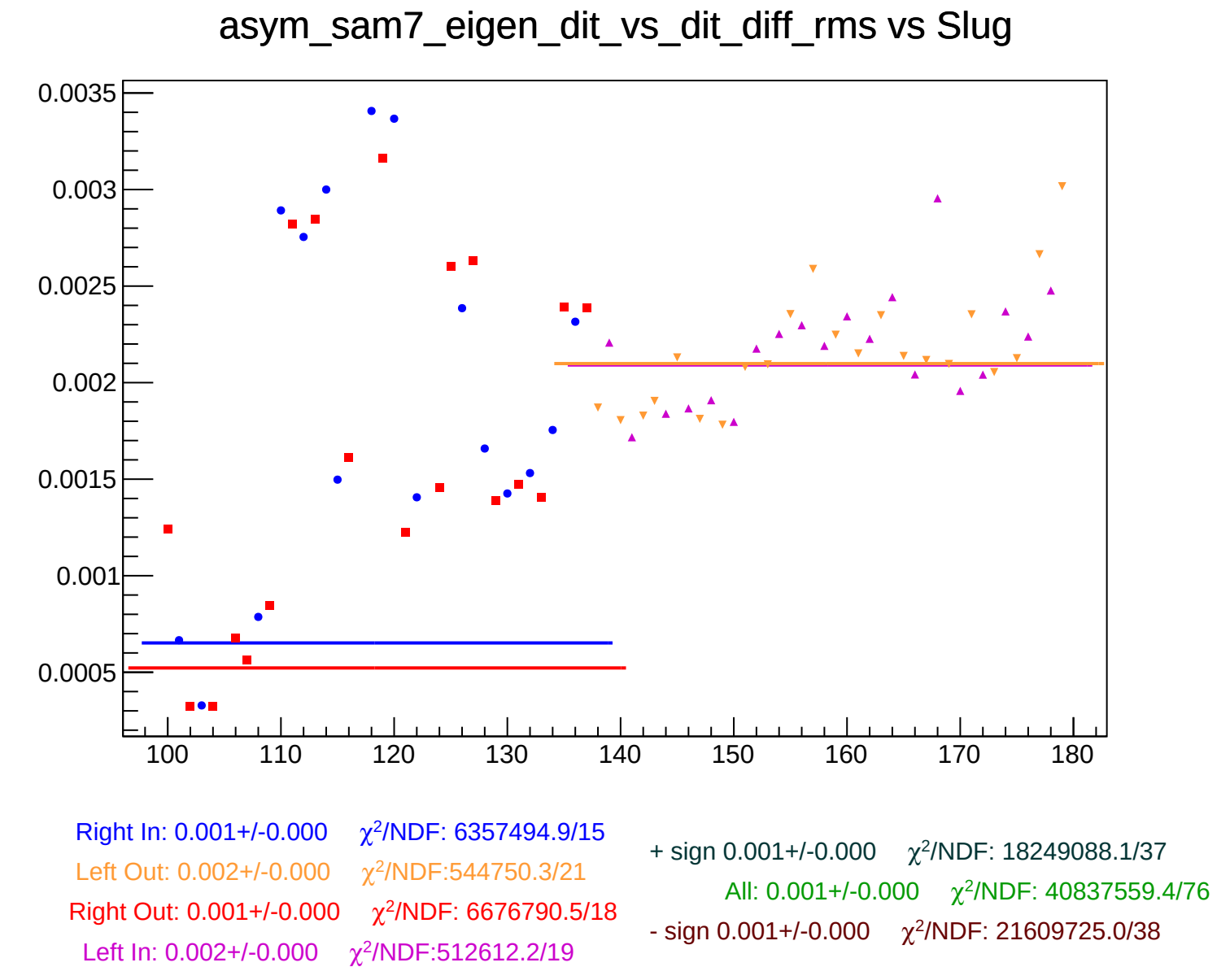
Right Out: -0.000+/-0.000 χ^2/NDF: 17.1/18

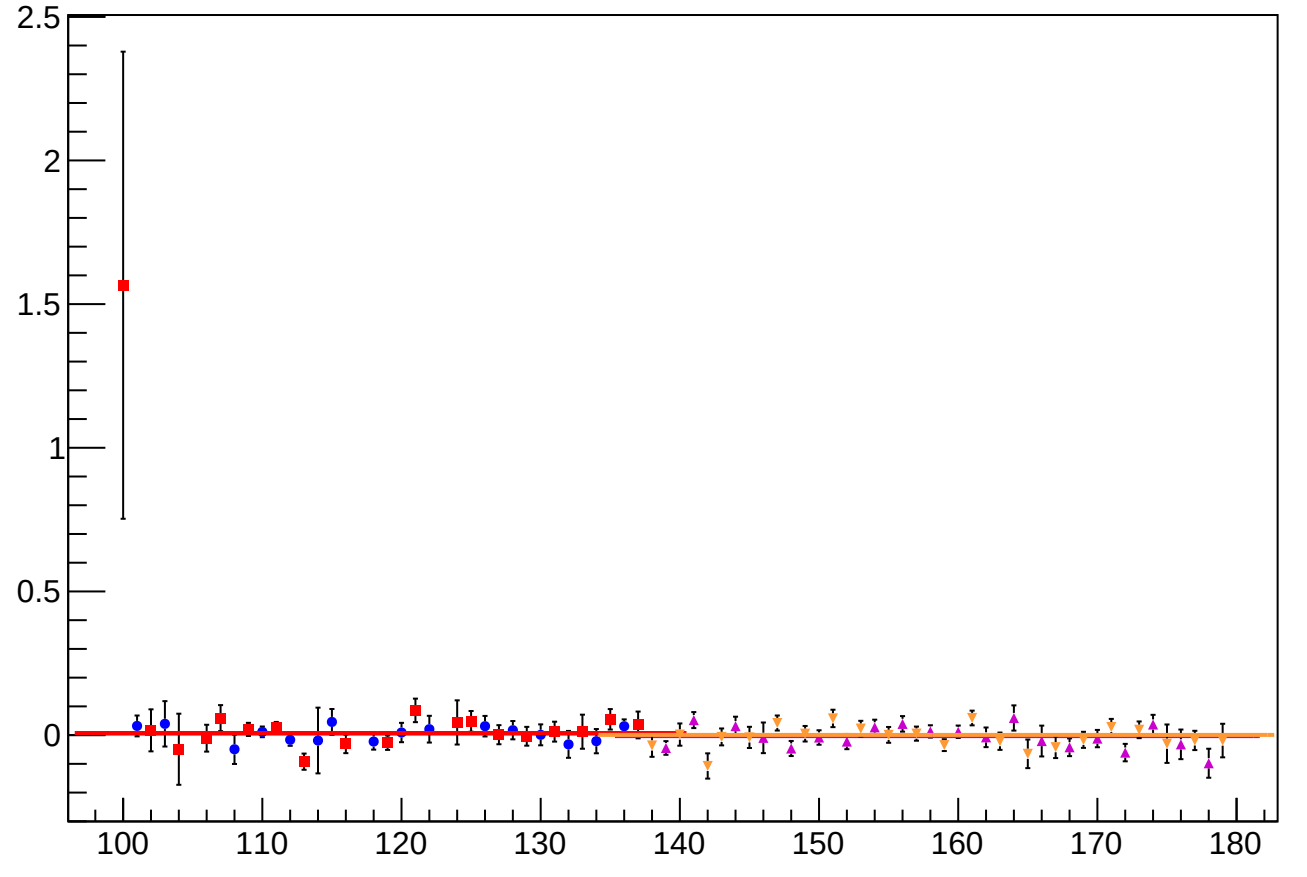
Left In: 0.000+/-0.000 χ^2/NDF:7.7/19

+ sign -0.000+/-0.000 χ^2/NDF: 67.0/37

All: -0.000+/-0.000 χ^2/NDF: 92.0/76

- sign -0.000+/-0.000 χ^2/NDF: 25.0/38


asym_sam7_eigen_dit_vs_dit_diff_rms vs Slug
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
150
160
170
180
Right In: 0.001+/-0.000 χ²/NDF: 6357494.9/15
Left Out: 0.002+/-0.000 χ²/NDF:544750.3/21
Right Out: 0.001+/-0.000 χ²/NDF: 6676790.5/18
Left In: 0.002+/-0.000 χ²/NDF:512612.2/19
+ sign 0.001+/-0.000 χ²/NDF: 18249088.1/37
All: 0.001+/-0.000 χ²/NDF: 40837559.4/76
- sign 0.001+/-0.000 χ²/NDF: 21609725.0/38



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.001+/-0.007 χ^2/NDF:28.0/21

Right Out: 0.007+/-0.008 χ^2/NDF: 29.8/18

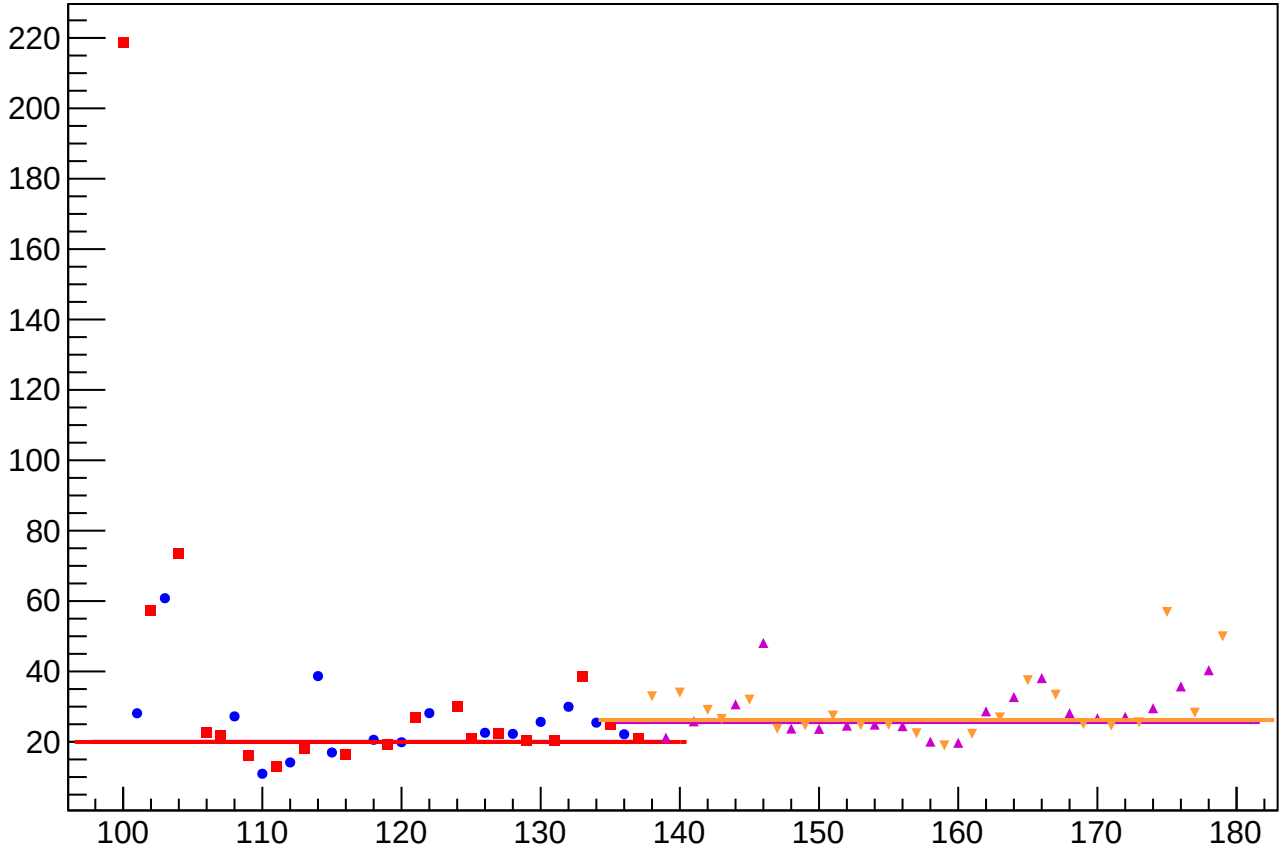
Left In: -0.003+/-0.007 χ^2/NDF:28.9/19

+ sign 0.003+/-0.005 χ^2/NDF: 36.1/37

All: 0.002+/-0.004 χ^2/NDF: 95.9/76

- sign 0.001+/-0.005 χ^2/NDF: 59.8/38

asym_sam7_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 20.000+/-0.006 χ^2/NDF: 1641197.3/15

Left Out: 26.199+/-0.005 χ^2/NDF:1523294.3/21

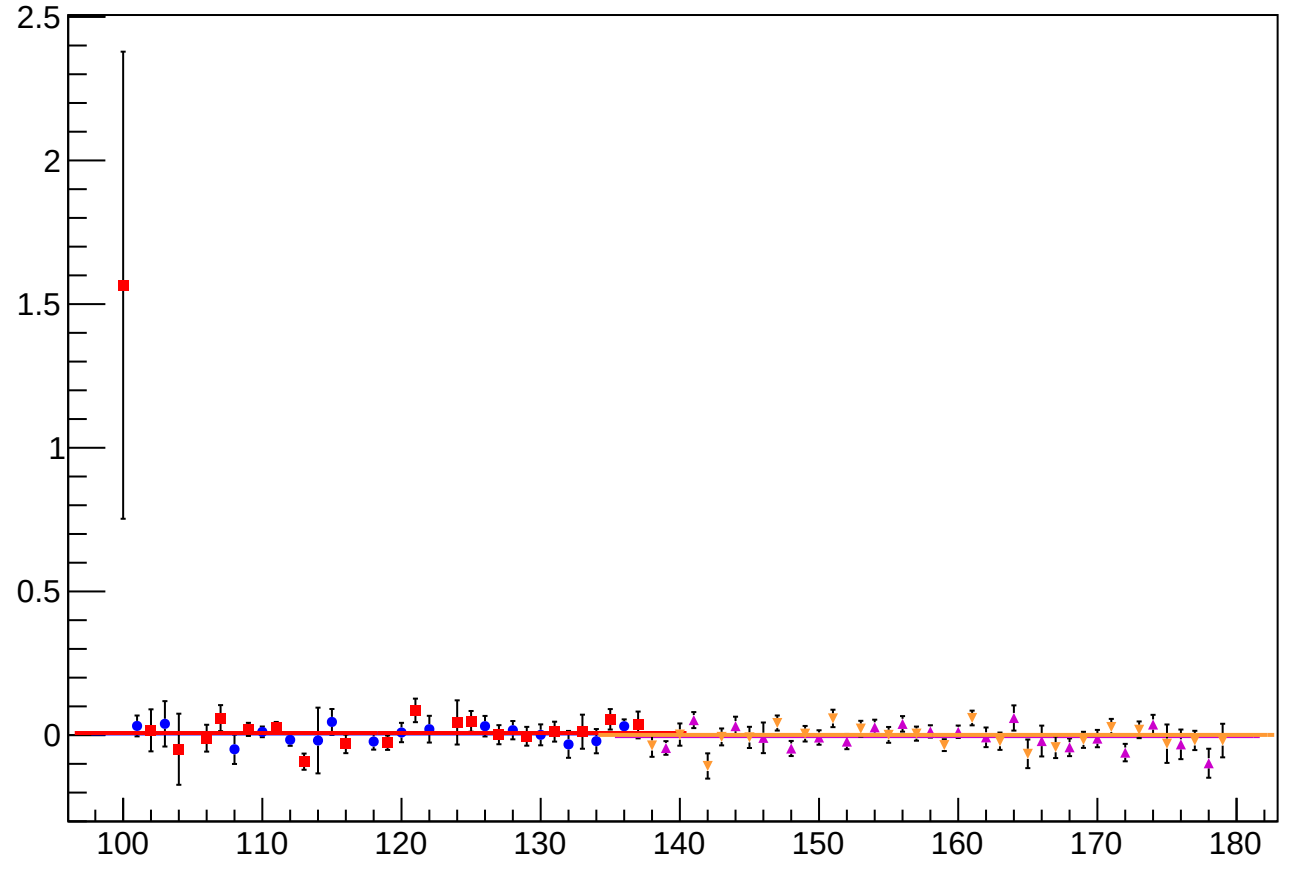
Right Out: 19.963+/-0.006 χ^2/NDF: 1716830.0/18

Left In: 25.620+/-0.005 χ^2/NDF:1255110.1/19

+ sign 23.763+/-0.004 χ^2/NDF: 3863546.5/37

All: 23.548+/-0.003 χ^2/NDF: 7424174.6/76

- sign 23.332+/-0.004 χ^2/NDF: 3553568.5/38



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.001+/-0.007 χ^2/NDF:28.0/21

Right Out: 0.007+/-0.008 χ^2/NDF: 29.8/18

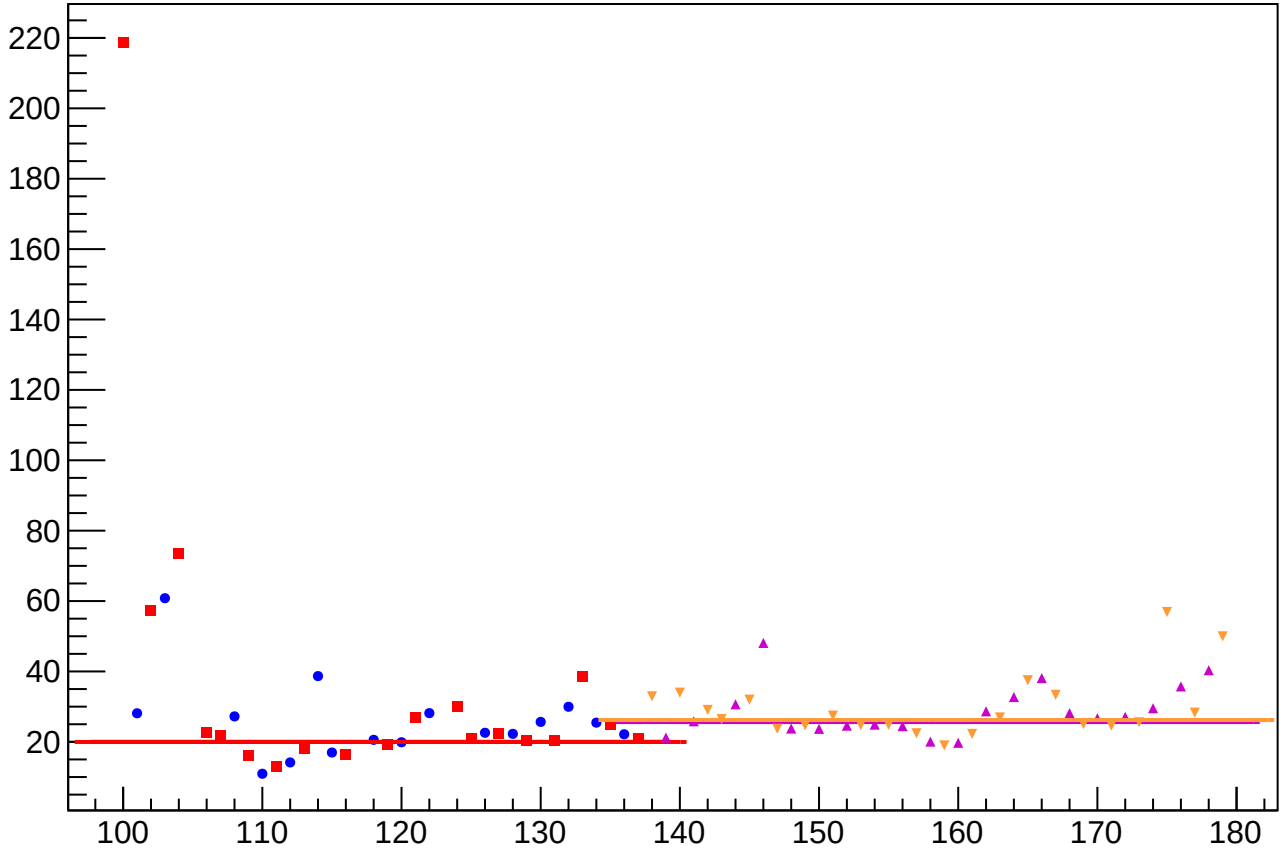
Left In: -0.003+/-0.007 χ^2/NDF:28.9/19

+ sign 0.003+/-0.005 χ^2/NDF: 36.1/37

All: 0.002+/-0.004 χ^2/NDF: 95.9/76

- sign 0.001+/-0.005 χ^2/NDF: 59.8/38

asym_sam7_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 20.000+/-0.006 χ^2/NDF: 1641197.3/15

Left Out: 26.199+/-0.005 χ^2/NDF:1523294.3/21

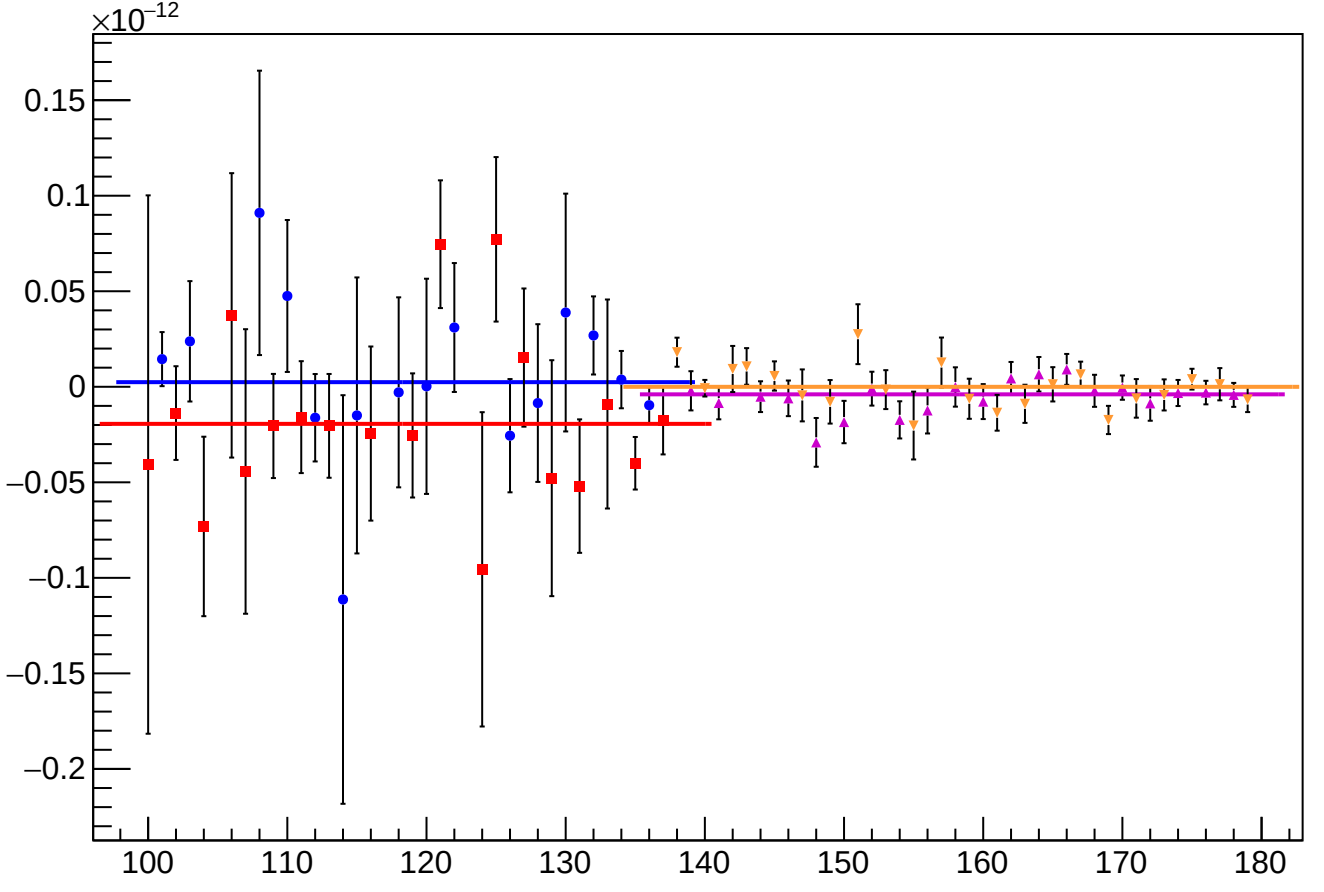
Right Out: 19.963+/-0.006 χ^2/NDF: 1716830.0/18

Left In: 25.620+/-0.005 χ^2/NDF:1255110.1/19

+ sign 23.763+/-0.004 χ^2/NDF: 3863546.5/37

All: 23.548+/-0.003 χ^2/NDF: 7424174.6/76

- sign 23.332+/-0.004 χ^2/NDF: 3553568.5/38



Right In: 0.000+/-0.000 χ^2/NDF: 10.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:26.0/21

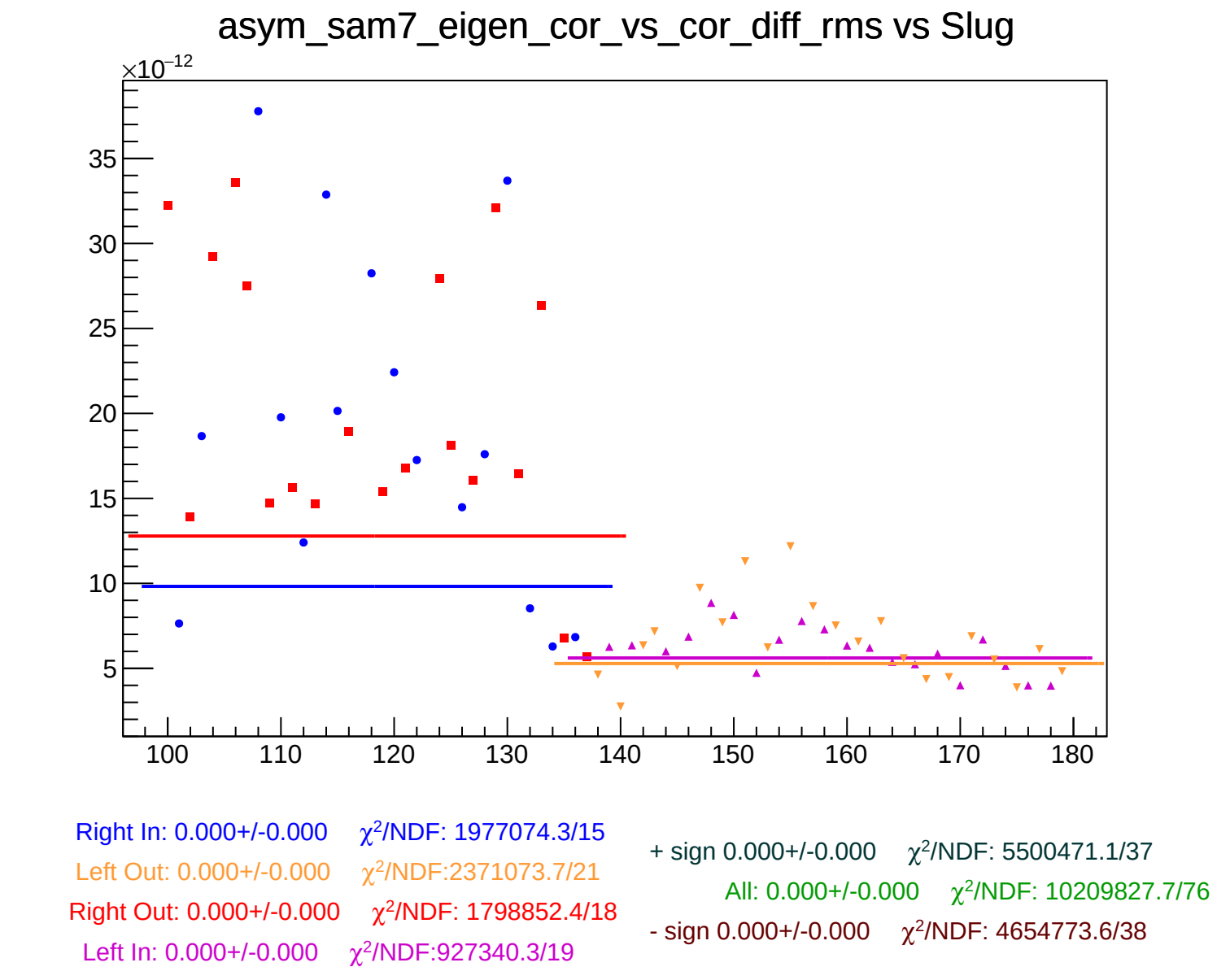
Right Out: -0.000+/-0.000 χ^2/NDF: 20.2/18

Left In: -0.000+/-0.000 χ^2/NDF:14.3/19

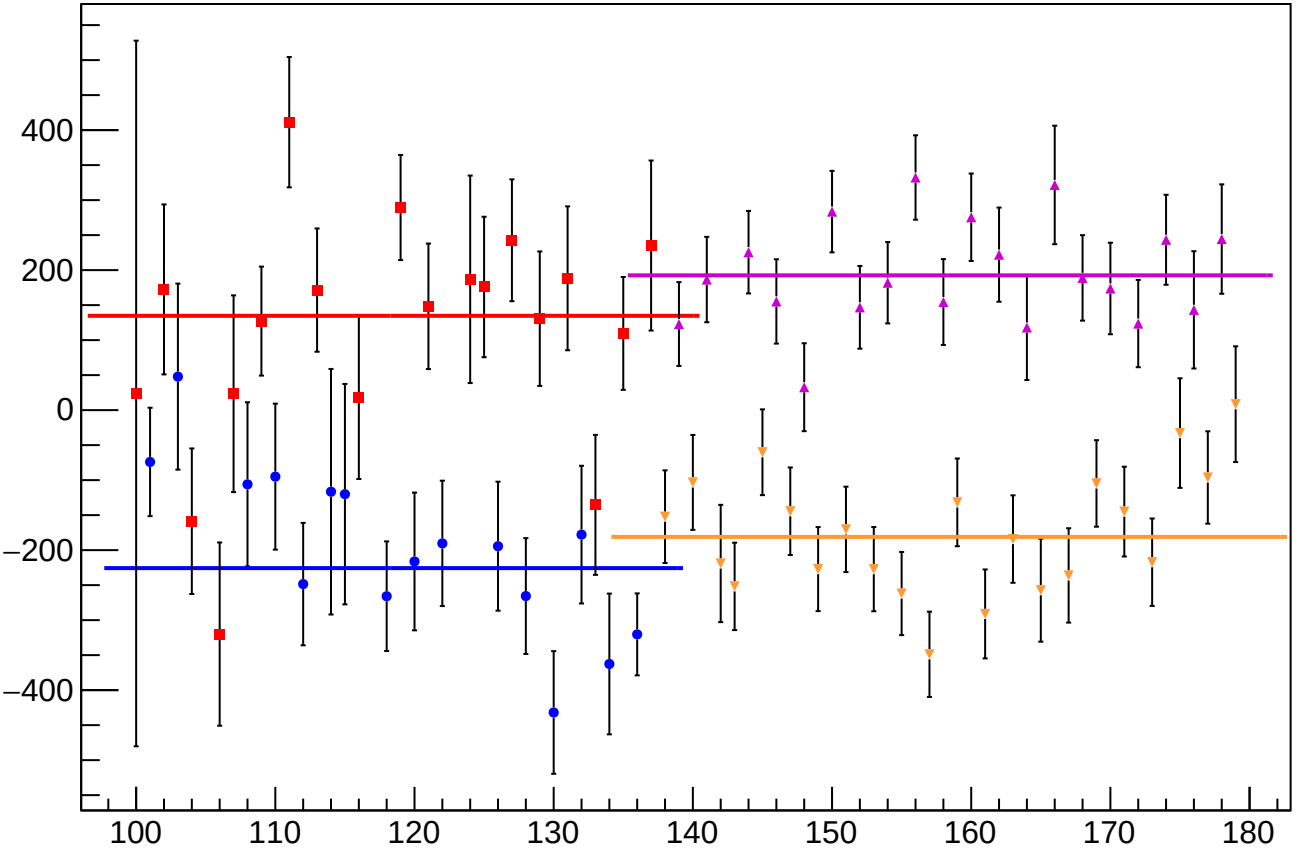
+ sign 0.000+/-0.000 χ^2/NDF: 37.0/37

All: -0.000+/-0.000 χ^2/NDF: 80.4/76

- sign -0.000+/-0.000 χ^2/NDF: 39.0/38


asym_sam7_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
35
30
25
20
15
10
5
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1977074.3/15
Left Out: 0.000+/-0.000 χ²/NDF:2371073.7/21
Right Out: 0.000+/-0.000 χ²/NDF: 1798852.4/18
Left In: 0.000+/-0.000 χ²/NDF:927340.3/19
+ sign 0.000+/-0.000 χ²/NDF: 5500471.1/37
All: 0.000+/-0.000 χ²/NDF: 10209827.7/76
- sign 0.000+/-0.000 χ²/NDF: 4654773.6/38

reg_asym_sam8_mean vs Slug



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -181.071+/-13.858 χ^2/NDF:35.9/21

Right Out: 134.762+/-23.192 χ^2/NDF: 45.3/18

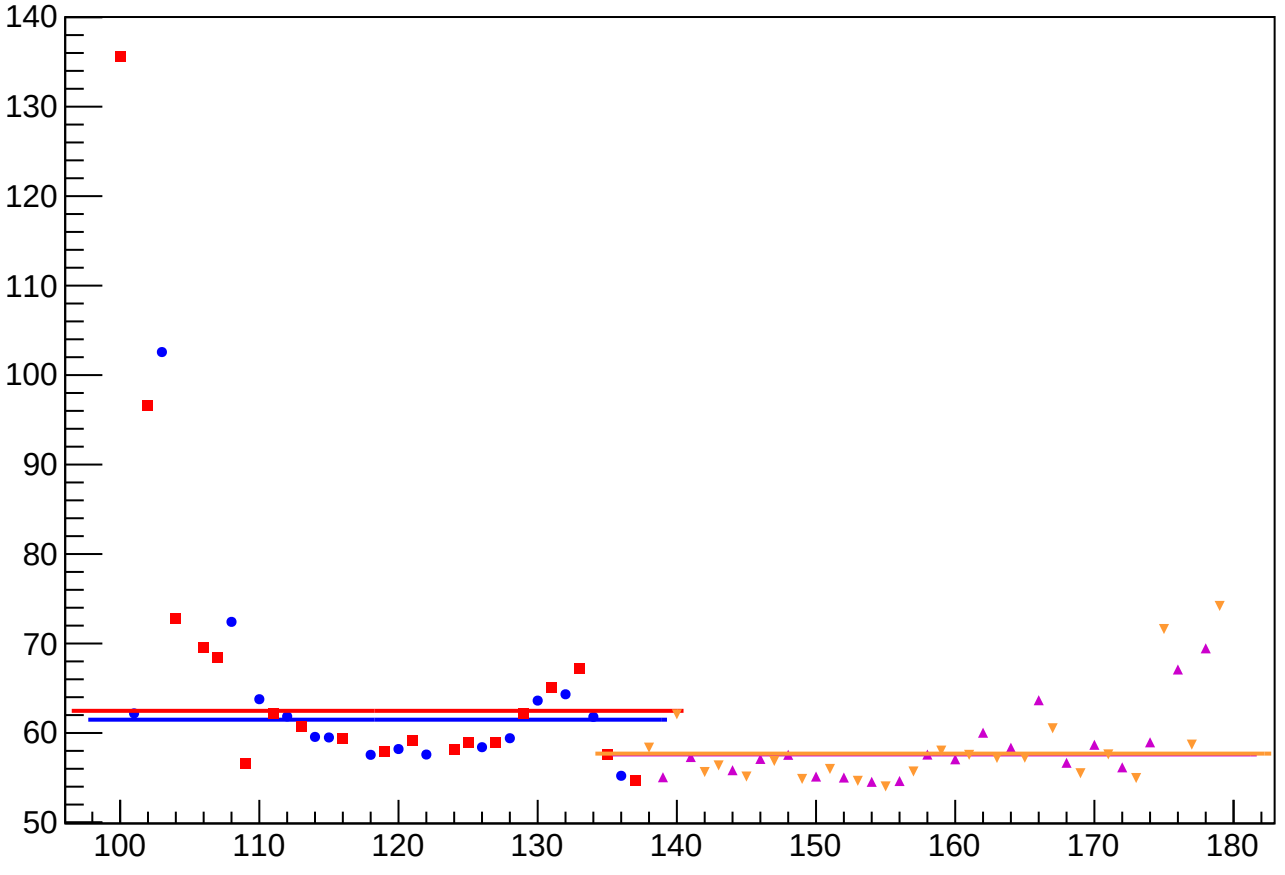
Left In: 192.541+/-14.307 χ^2/NDF:25.4/19

\+ sign -192.866+/-11.886 χ^2/NDF: 61.3/37

All: -12.584+/-8.505 χ^2/NDF: 607.9/76

\- sign 176.614+/-12.176 χ^2/NDF: 75.1/38

reg_asym_sam8_rms vs Slug



Right In: 61.486+/-0.016 χ^2/NDF: 250669.2/15

Left Out: 57.694+/-0.010 χ^2/NDF:189042.0/21

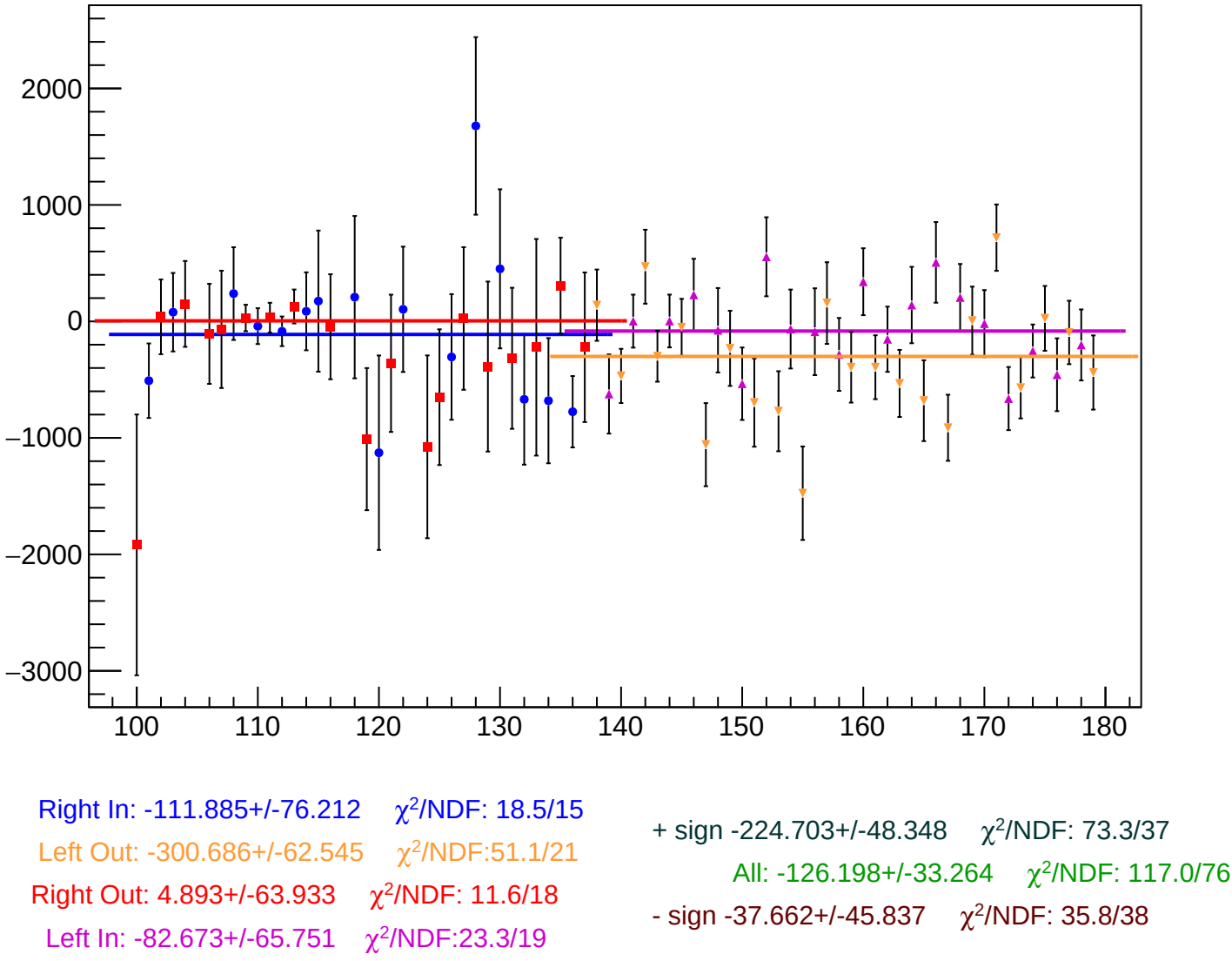
Right Out: 62.476+/-0.016 χ^2/NDF: 281148.3/18

Left In: 57.602+/-0.010 χ^2/NDF:111316.1/19

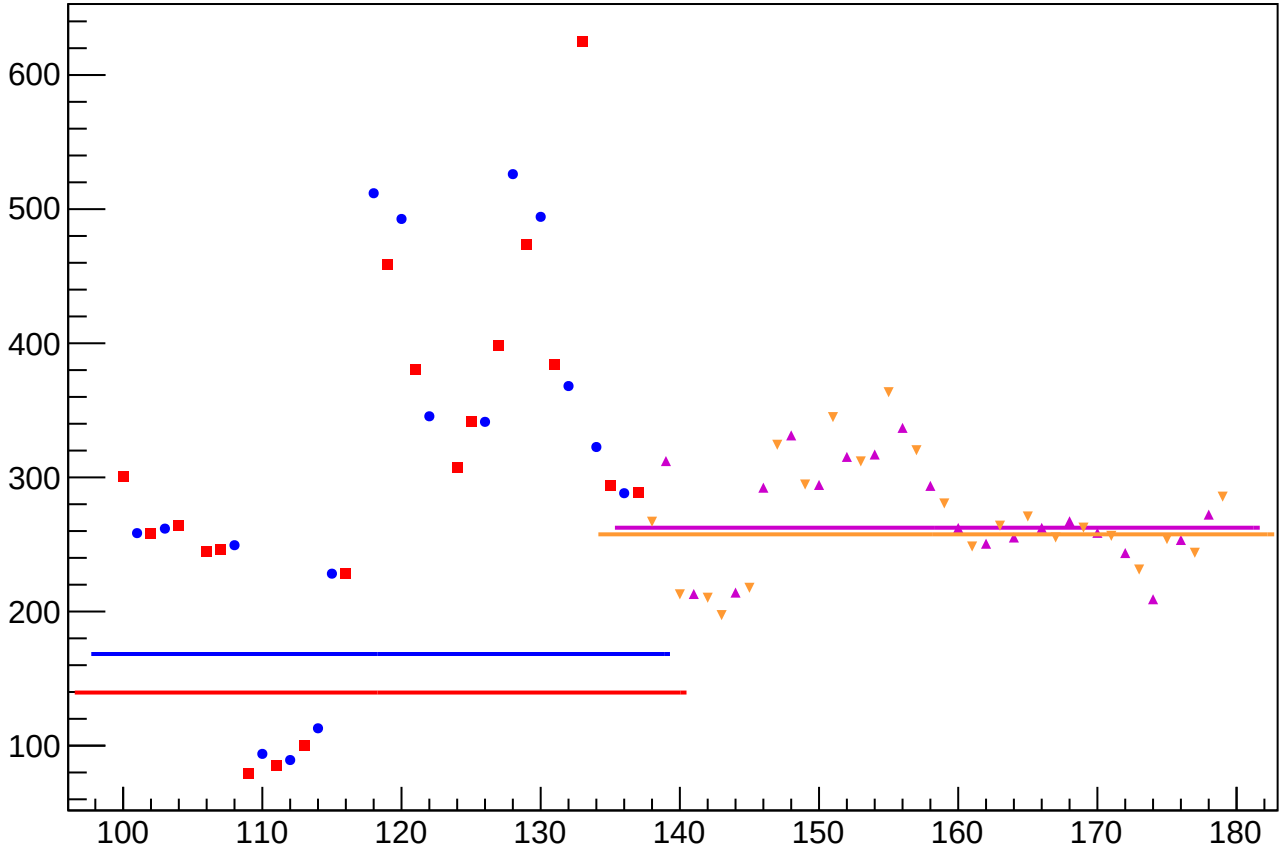
+ sign 58.697+/-0.008 χ^2/NDF: 479286.6/37

All: 58.818+/-0.006 χ^2/NDF: 936156.1/76

- sign 58.946+/-0.009 χ^2/NDF: 456441.3/38


asym_sam8_reg_correction_mean vs Slug
2000
1000
0
−1000
−2000
−3000
100
110
120
130
140
150
160
170
180
Right In: -111.885+/-76.212 χ²/NDF: 18.5/15
Left Out: -300.686+/-62.545 χ²/NDF:51.1/21
Right Out: 4.893+/-63.933 χ²/NDF: 11.6/18
Left In: -82.673+/-65.751 χ²/NDF:23.3/19
+ sign -224.703+/-48.348 χ²/NDF: 73.3/37
All: -126.198+/-33.264 χ²/NDF: 117.0/76
- sign -37.662+/-45.837 χ²/NDF: 35.8/38

asym_sam8_reg_correction_rms vs Slug



Right In: 168.330+/-0.054 χ^2/NDF: 4544046.8/15

Left Out: 257.548+/-0.044 χ^2/NDF:840755.5/21

Right Out: 139.594+/-0.045 χ^2/NDF: 5154153.5/18

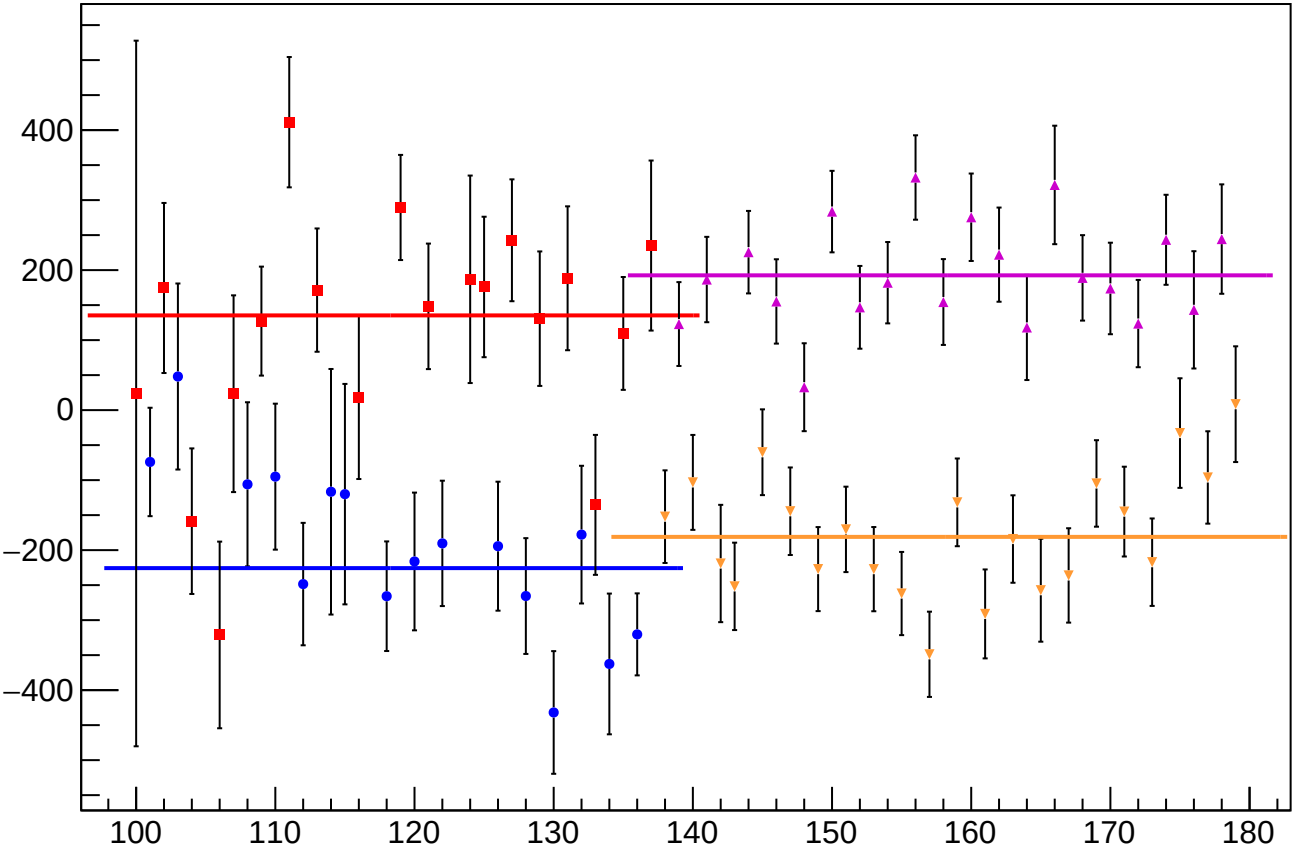
Left In: 262.484+/-0.046 χ^2/NDF:669144.1/19

+ sign 221.642+/-0.034 χ^2/NDF: 7022620.1/37

All: 209.884+/-0.024 χ^2/NDF: 16661748.0/76

- sign 199.316+/-0.032 χ^2/NDF: 9414520.1/38

cor_asym_sam8_mean vs Slug



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -181.068+/-13.858 χ^2/NDF:35.9/21

Right Out: 135.311+/-23.205 χ^2/NDF: 44.9/18

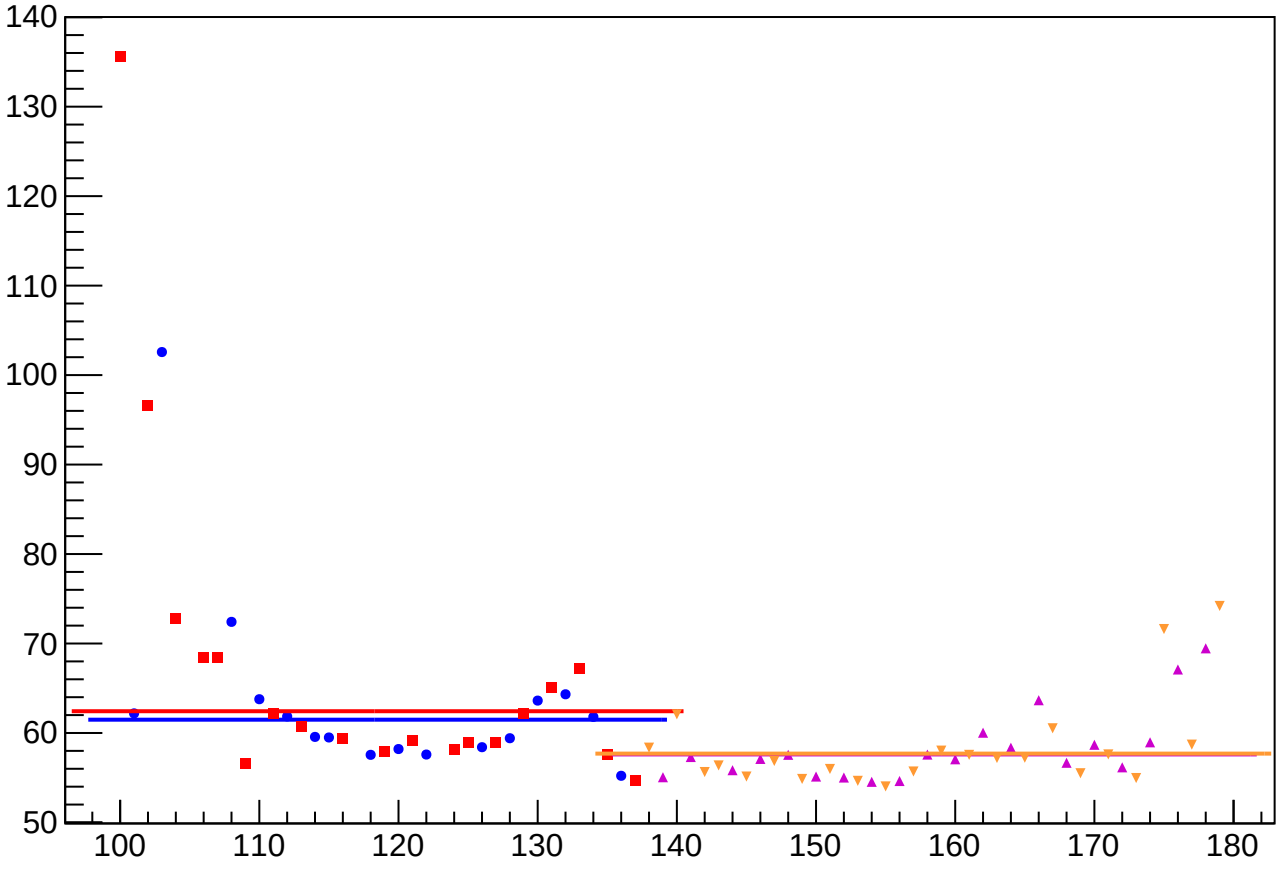
Left In: 192.541+/-14.307 χ^2/NDF:25.4/19

+ sign -192.864+/-11.886 χ^2/NDF: 61.3/37

All: -12.531+/-8.506 χ^2/NDF: 607.8/76

- sign 176.779+/-12.178 χ^2/NDF: 74.7/38

cor_asym_sam8_rms vs Slug



Right In: 61.486+/-0.016 χ^2/NDF: 250671.7/15

Left Out: 57.694+/-0.010 χ^2/NDF:189042.0/21

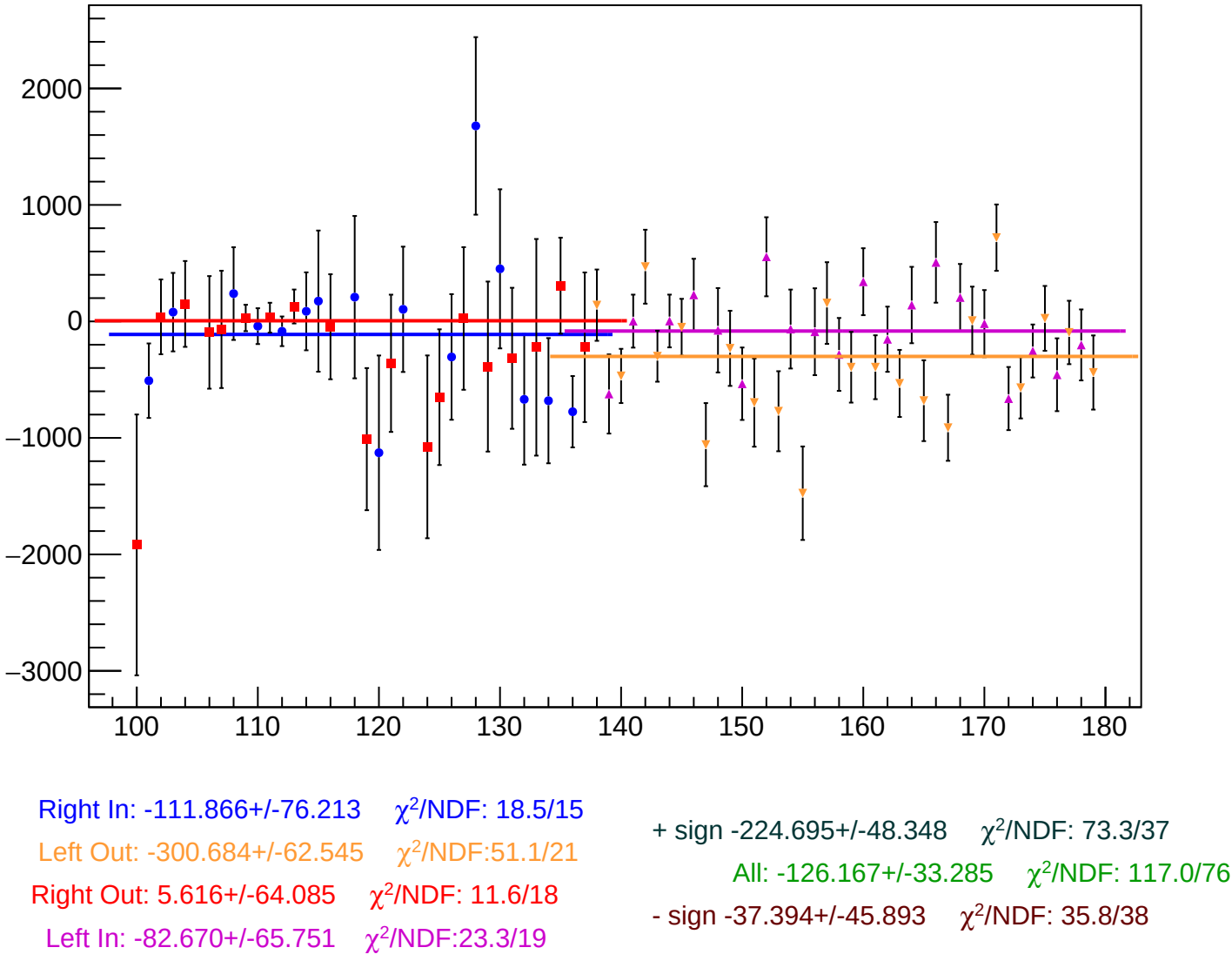
Right Out: 62.433+/-0.016 χ^2/NDF: 279408.8/18

Left In: 57.602+/-0.010 χ^2/NDF:111316.1/19

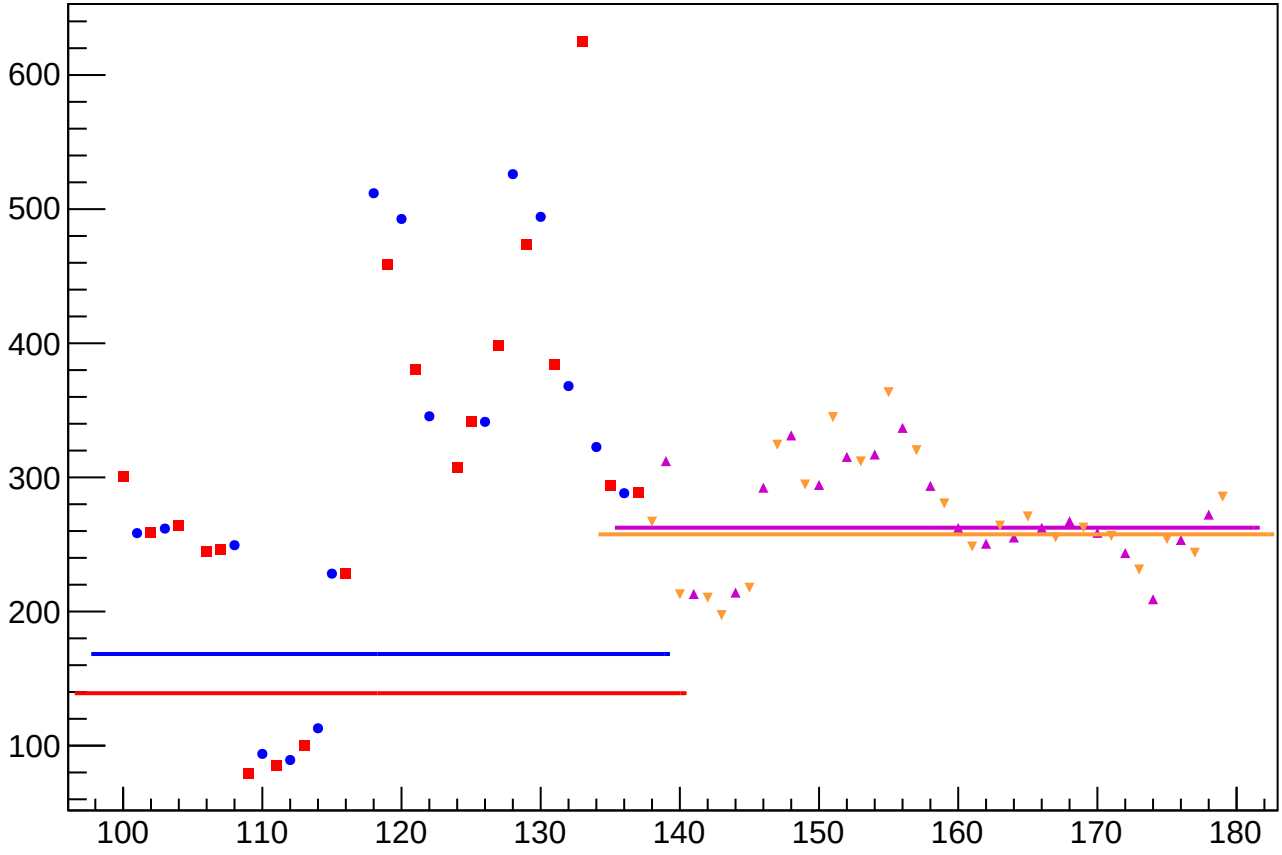
\+ sign 58.697+/-0.008 χ^2/NDF: 479289.2/37

All: 58.812+/-0.006 χ^2/NDF: 933197.0/76

\- sign 58.933+/-0.009 χ^2/NDF: 453523.2/38


asym_sam8_cor_correction_mean vs Slug
2000
1000
0
−1000
−2000
−3000
100
110
120
130
140
150
160
170
180
Right In: -111.866+/-76.213 χ²/NDF: 18.5/15
Left Out: -300.684+/-62.545 χ²/NDF:51.1/21
Right Out: 5.616+/-64.085 χ²/NDF: 11.6/18
Left In: -82.670+/-65.751 χ²/NDF:23.3/19
+ sign -224.695+/-48.348 χ²/NDF: 73.3/37
All: -126.167+/-33.285 χ²/NDF: 117.0/76
- sign -37.394+/-45.893 χ²/NDF: 35.8/38

asym_sam8_cor_correction_rms vs Slug



Right In: 168.330+/-0.054 χ^2/NDF: 4544100.8/15

Left Out: 257.548+/-0.044 χ^2/NDF:840757.1/21

Right Out: 139.105+/-0.045 χ^2/NDF: 5130011.5/18

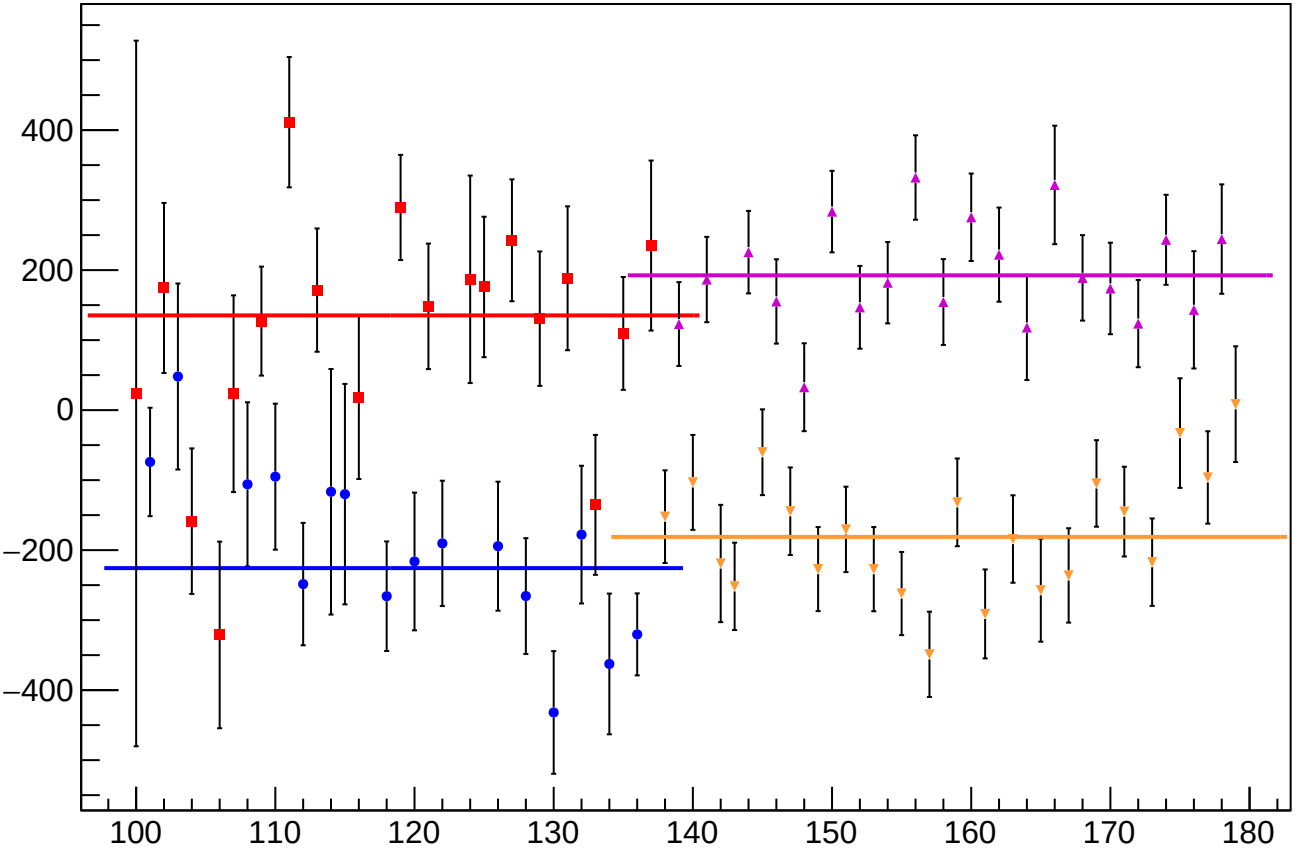
Left In: 262.484+/-0.046 χ^2/NDF:669142.6/19

+ sign 221.642+/-0.034 χ^2/NDF: 7022648.4/37

All: 209.843+/-0.024 χ^2/NDF: 16659748.0/76

- sign 199.211+/-0.032 χ^2/NDF: 9410637.7/38

eigen_cor_asym_sam8_mean vs Slug



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -181.068+/-13.858 χ^2/NDF:35.9/21

Right Out: 135.311+/-23.205 χ^2/NDF: 44.9/18

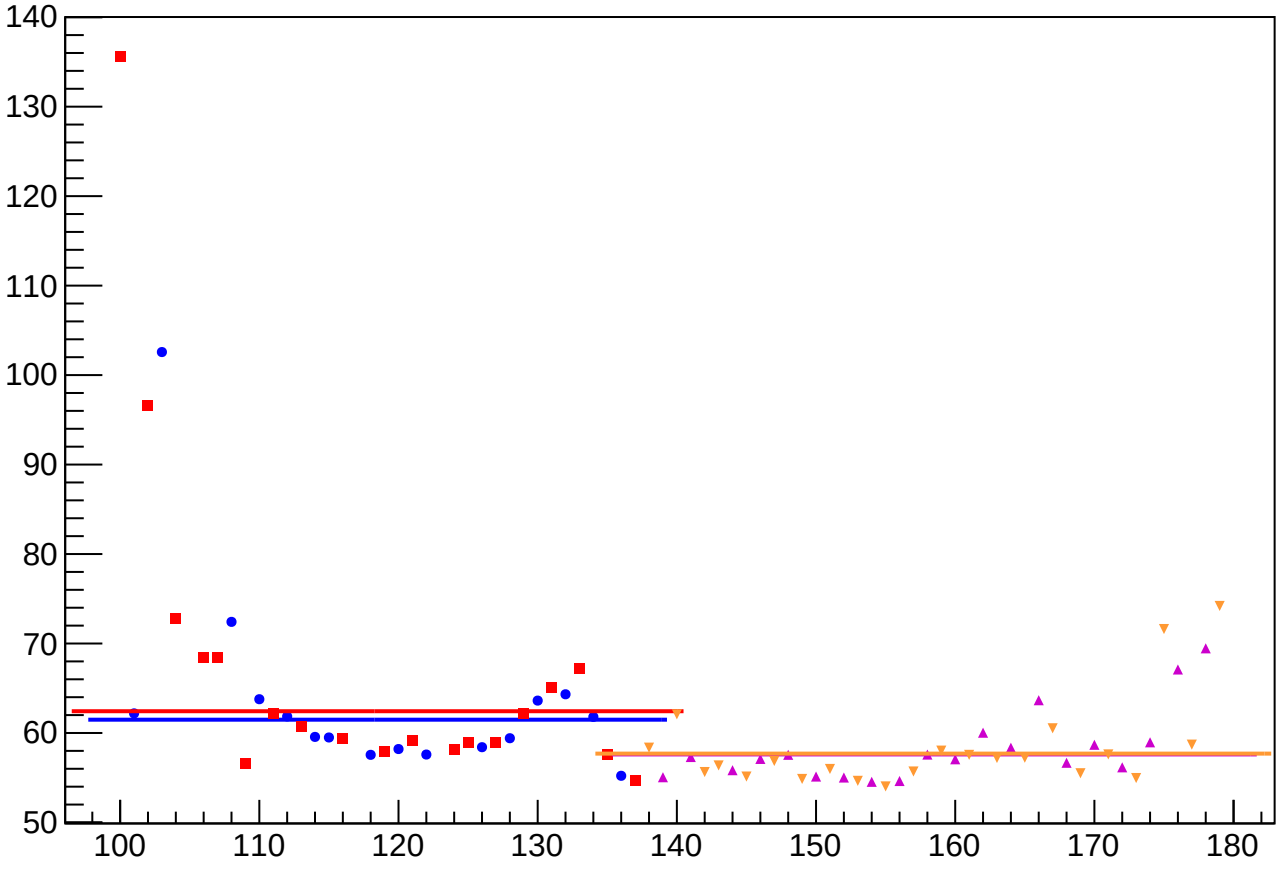
Left In: 192.541+/-14.307 χ^2/NDF:25.4/19

+ sign -192.864+/-11.886 χ^2/NDF: 61.3/37

All: -12.531+/-8.506 χ^2/NDF: 607.8/76

- sign 176.779+/-12.178 χ^2/NDF: 74.7/38

eigen_cor_asym_sam8_rms vs Slug



Right In: 61.486+/-0.016 χ^2/NDF: 250671.7/15

Left Out: 57.694+/-0.010 χ^2/NDF:189042.0/21

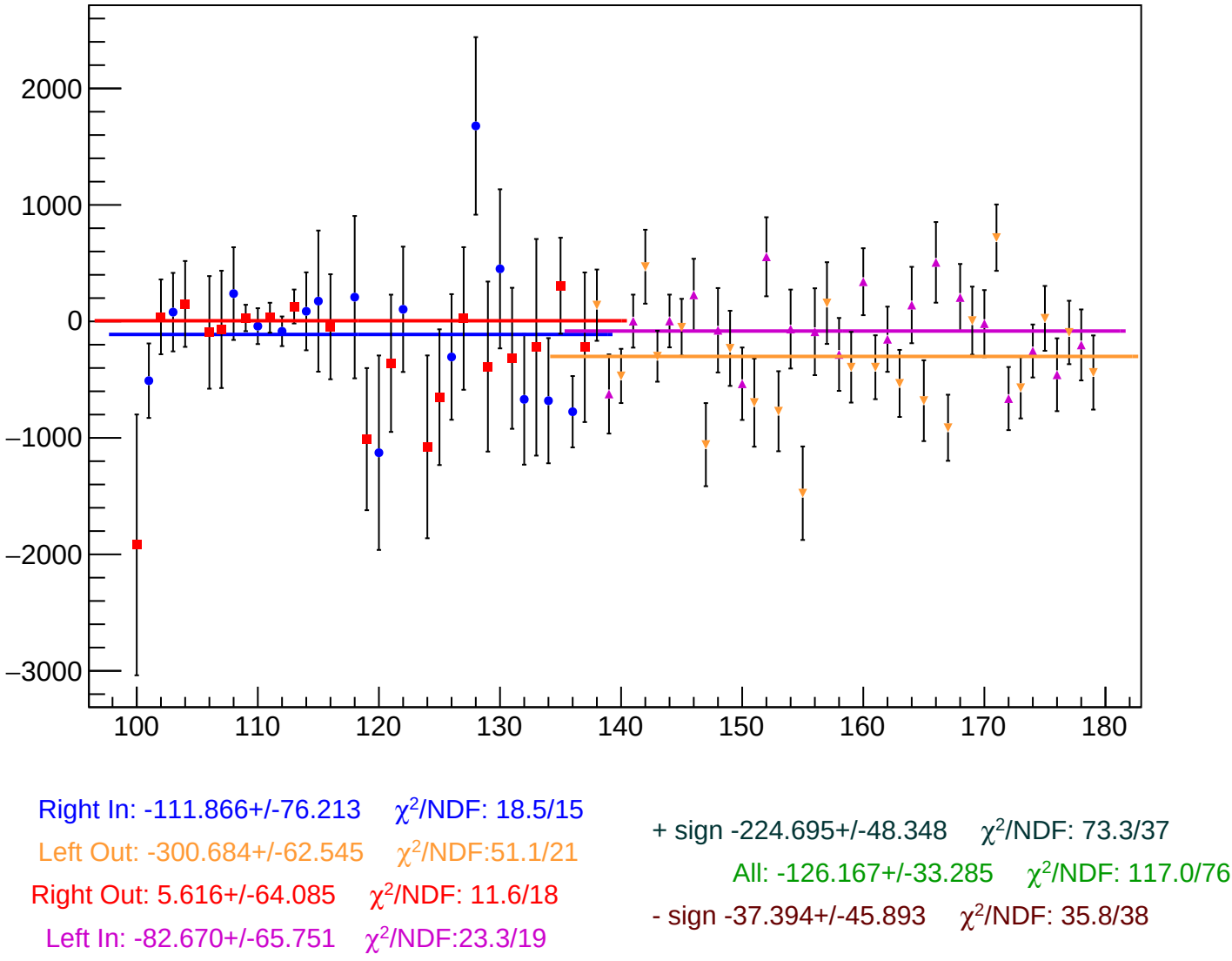
Right Out: 62.433+/-0.016 χ^2/NDF: 279408.8/18

Left In: 57.602+/-0.010 χ^2/NDF:111316.1/19

+ sign 58.697+/-0.008 χ^2/NDF: 479289.2/37

All: 58.812+/-0.006 χ^2/NDF: 933197.0/76

- sign 58.933+/-0.009 χ^2/NDF: 453523.2/38


asym_sam8_eigen_cor_correction_mean vs Slug
2000
1000
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−1000
−2000
−3000
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120
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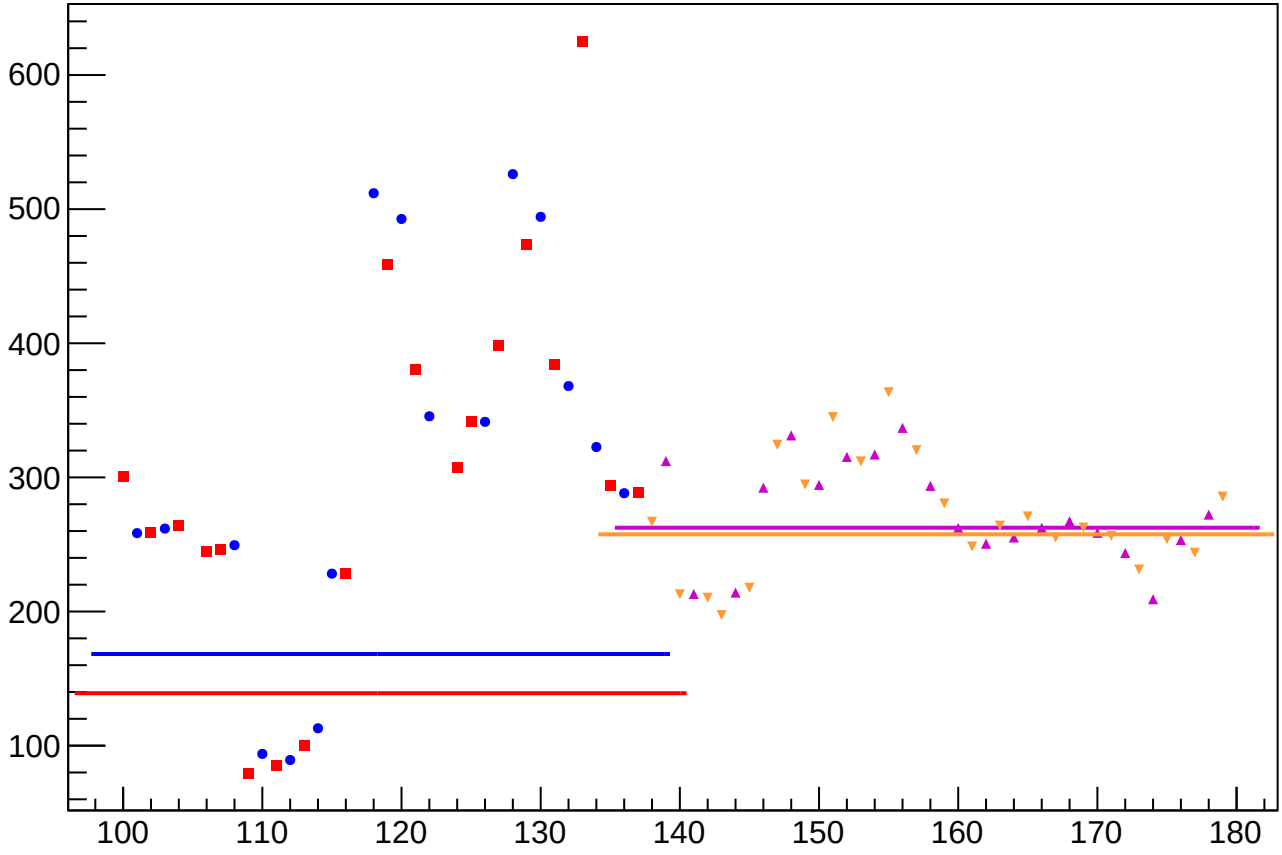
140
150
160
170
180
Right In: -111.866+/-76.213 χ²/NDF: 18.5/15
Left Out: -300.684+/-62.545 χ²/NDF:51.1/21
Right Out: 5.616+/-64.085 χ²/NDF: 11.6/18
Left In: -82.670+/-65.751 χ²/NDF:23.3/19
+ sign -224.695+/-48.348 χ²/NDF: 73.3/37
All: -126.167+/-33.285 χ²/NDF: 117.0/76
- sign -37.394+/-45.893 χ²/NDF: 35.8/38

asym_sam8_eigen_cor_correction_rms vs Slug



Right In: 168.330+/-0.054 χ^2/NDF: 4544100.8/15

Left Out: 257.548+/-0.044 χ^2/NDF:840757.1/21

Right Out: 139.105+/-0.045 χ^2/NDF: 5130011.5/18

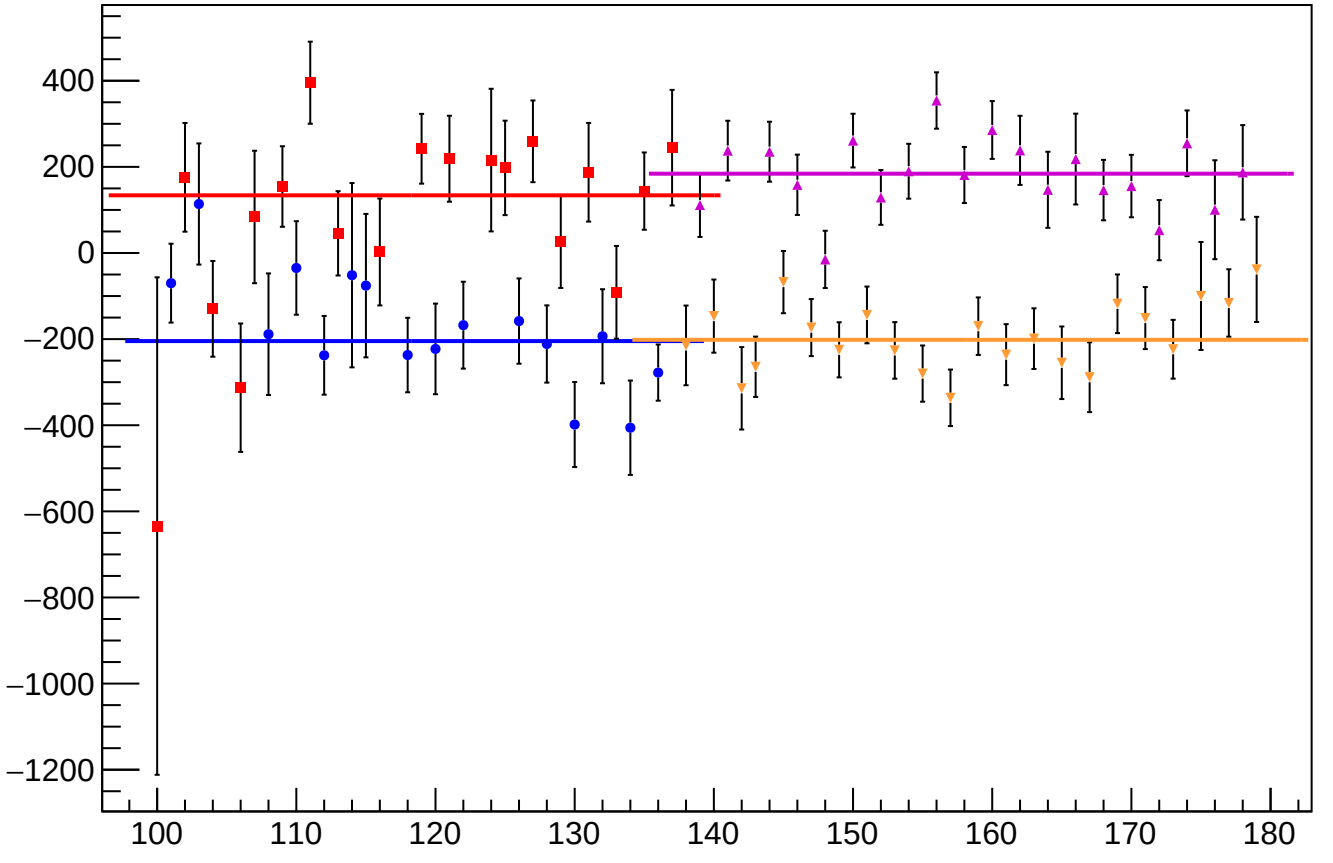
Left In: 262.484+/-0.046 χ^2/NDF:669142.6/19

+ sign 221.642+/-0.034 χ^2/NDF: 7022648.4/37

All: 209.843+/-0.024 χ^2/NDF: 16659748.0/76

- sign 199.211+/-0.032 χ^2/NDF: 9410637.7/38

dit_asym_sam8_mean vs Slug



Right In: -204.577+/-25.523 χ^2/NDF: 20.0/15

Left Out: -201.661+/-15.820 χ^2/NDF:20.7/21

Right Out: 133.924+/-25.484 χ^2/NDF: 37.2/18

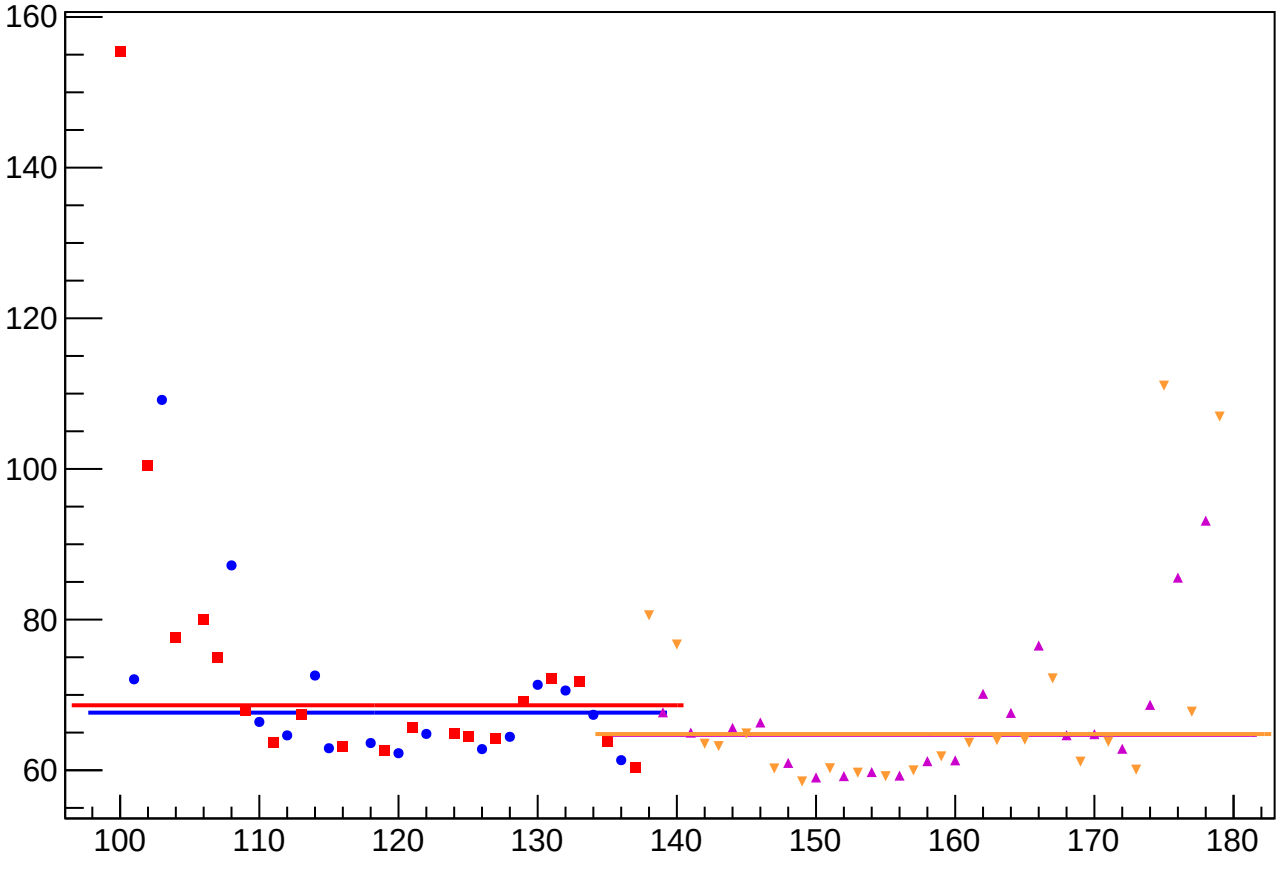
Left In: 184.164+/-16.289 χ^2/NDF:28.6/19

+ sign -202.470+/-13.447 χ^2/NDF: 40.7/37

All: -20.247+/-9.605 χ^2/NDF: 484.3/76

- sign 169.591+/-13.725 χ^2/NDF: 68.6/38

dit_asym_sam8_rms vs Slug



Right In: 67.647+/-0.018 χ^2/NDF: 263669.9/15

Left Out: 64.804+/-0.011 χ^2/NDF:725003.1/21

Right Out: 68.624+/-0.018 χ^2/NDF: 248164.6/18

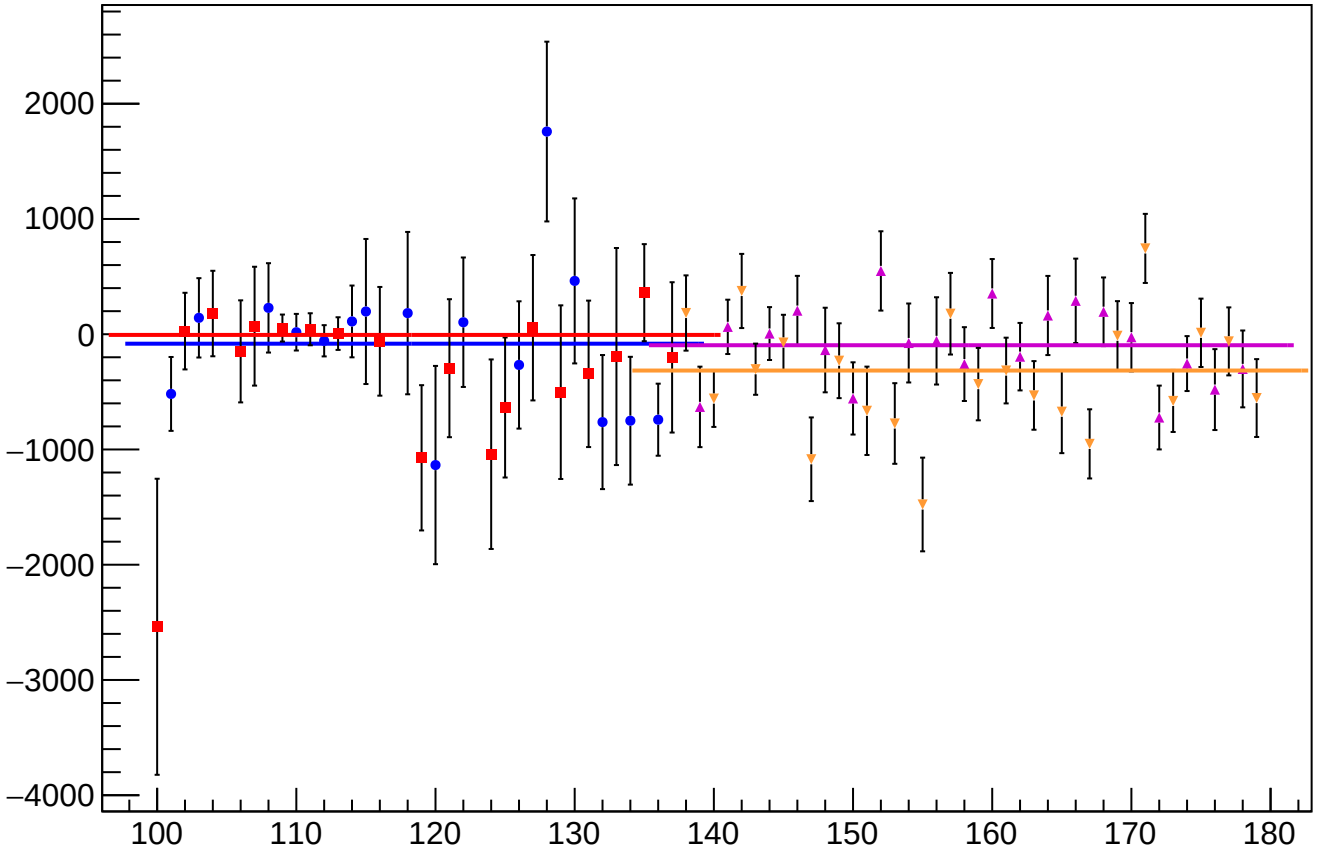
Left In: 64.695+/-0.012 χ^2/NDF:322757.5/19

+ sign 65.593+/-0.010 χ^2/NDF: 1006602.1/37

All: 65.711+/-0.007 χ^2/NDF: 1611592.3/76

- sign 65.835+/-0.010 χ^2/NDF: 604675.3/38

asym_sam8_dit_correction_mean vs Slug



Right In: -82.228+/-78.676 χ^2/NDF: 19.2/15

Left Out: -315.084+/-64.639 χ^2/NDF:49.2/21

Right Out: -6.063+/-65.910 χ^2/NDF: 12.0/18

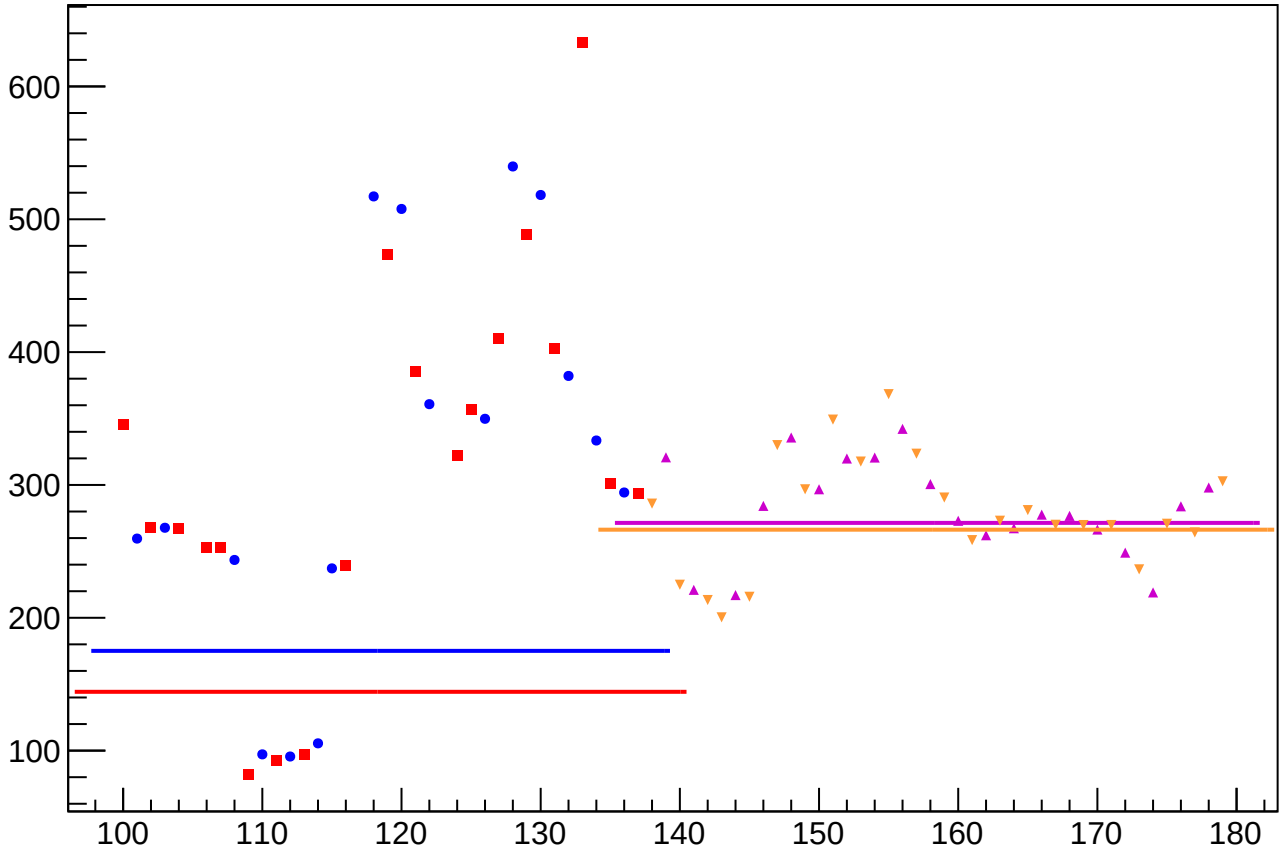
Left In: -95.569+/-67.935 χ^2/NDF:22.2/19

+ sign -221.246+/-49.944 χ^2/NDF: 73.7/37

All: -130.696+/-34.345 χ^2/NDF: 115.0/76

- sign -49.462+/-47.305 χ^2/NDF: 35.1/38

asym_sam8_dit_correction_rms vs Slug



Right In: 175.099+/-0.056 χ^2/NDF: 4429076.5/15

Left Out: 266.324+/-0.046 χ^2/NDF:843243.0/21

Right Out: 144.276+/-0.047 χ^2/NDF: 5132432.2/18

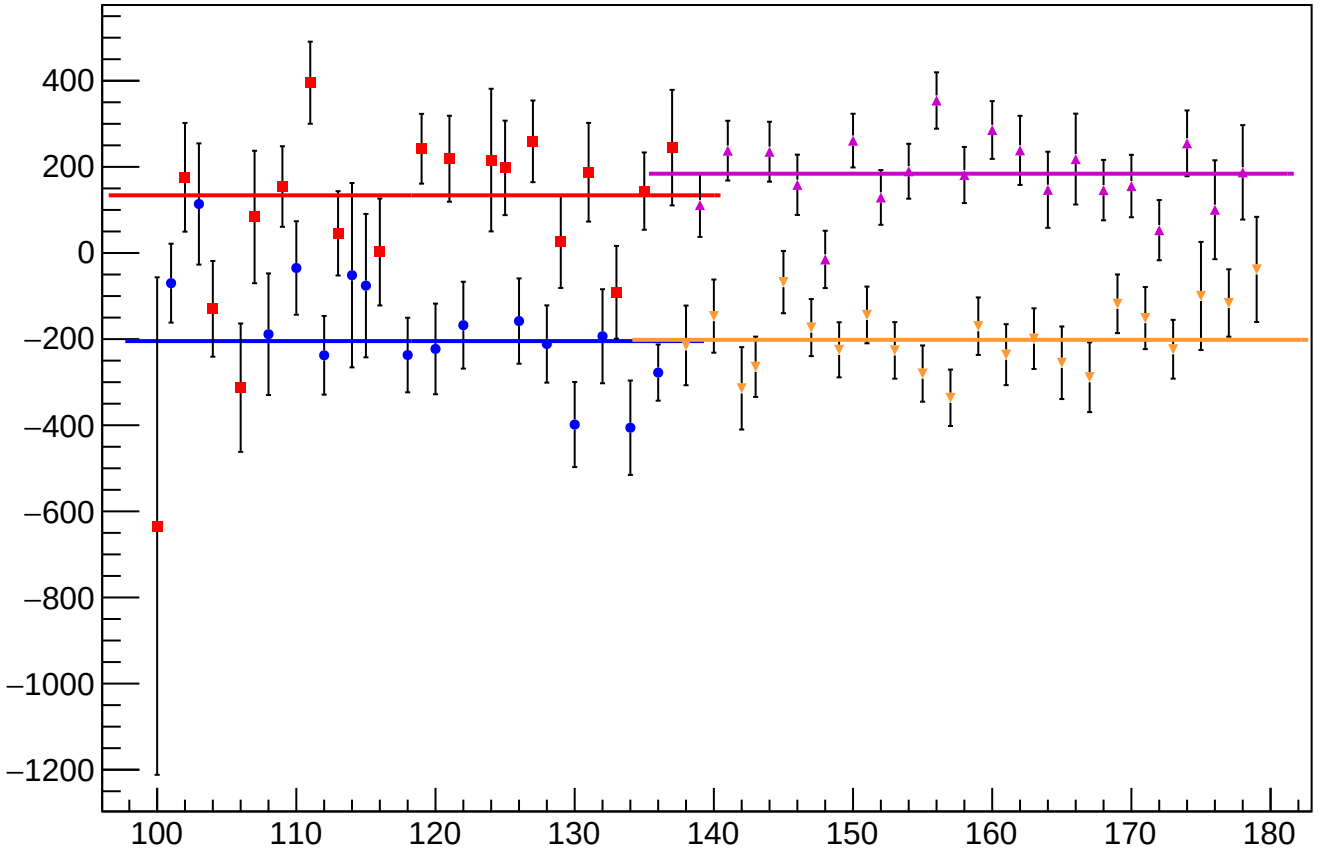
Left In: 271.438+/-0.048 χ^2/NDF:618092.2/19

+ sign 229.562+/-0.035 χ^2/NDF: 6877606.0/37

All: 217.107+/-0.024 χ^2/NDF: 16473759.1/76

- sign 205.934+/-0.033 χ^2/NDF: 9360206.2/38

eigen_dit_asym_sam8_mean vs Slug



Right In: -204.577+/-25.523 χ^2/NDF: 20.0/15

Left Out: -201.660+/-15.820 χ^2/NDF:20.7/21

Right Out: 133.926+/-25.483 χ^2/NDF: 37.2/18

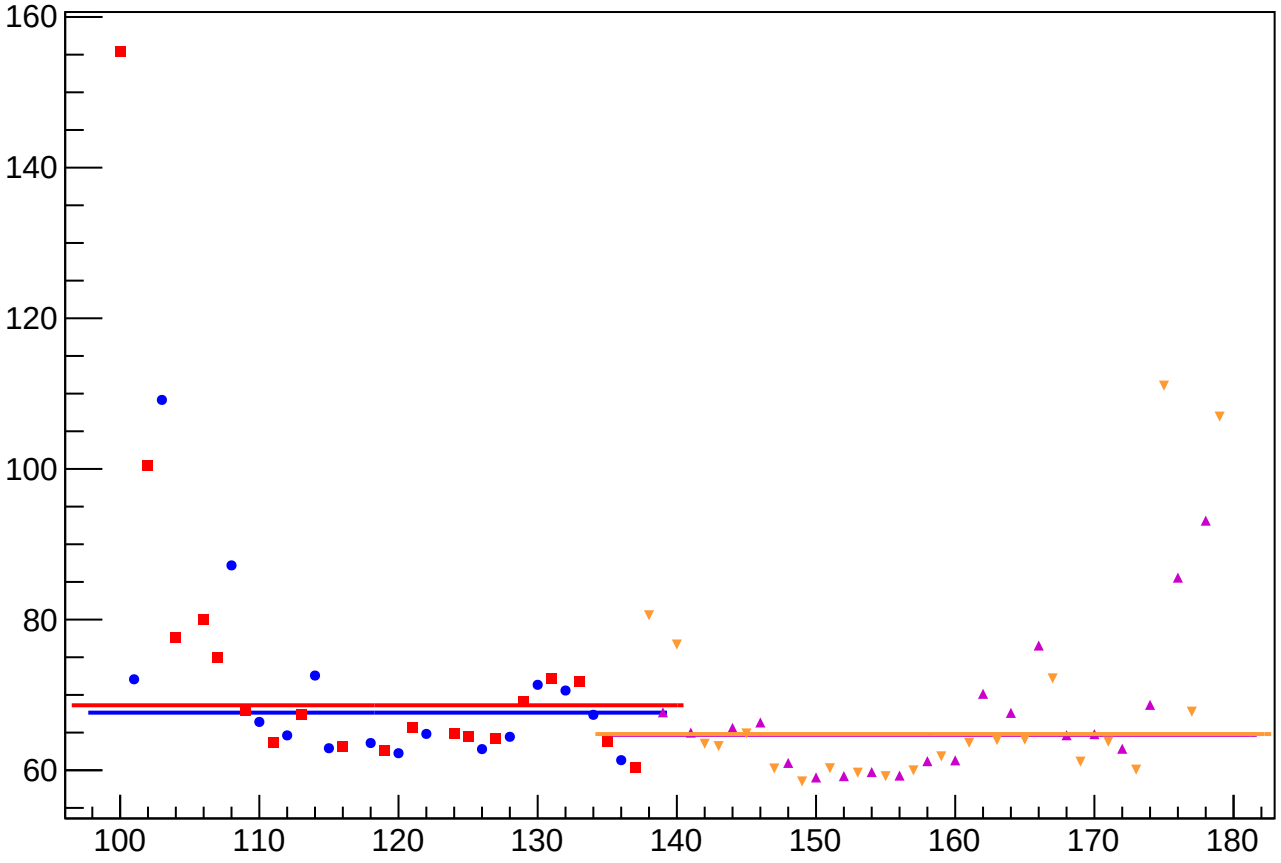
Left In: 184.166+/-16.289 χ^2/NDF:28.6/19

+ sign -202.470+/-13.447 χ^2/NDF: 40.7/37

All: -20.246+/-9.605 χ^2/NDF: 484.3/76

- sign 169.593+/-13.725 χ^2/NDF: 68.6/38

eigen_dit_asym_sam8_rms vs Slug



Right In: 67.647+/-0.018 χ^2/NDF: 263668.9/15

Left Out: 64.804+/-0.011 χ^2/NDF:725005.1/21

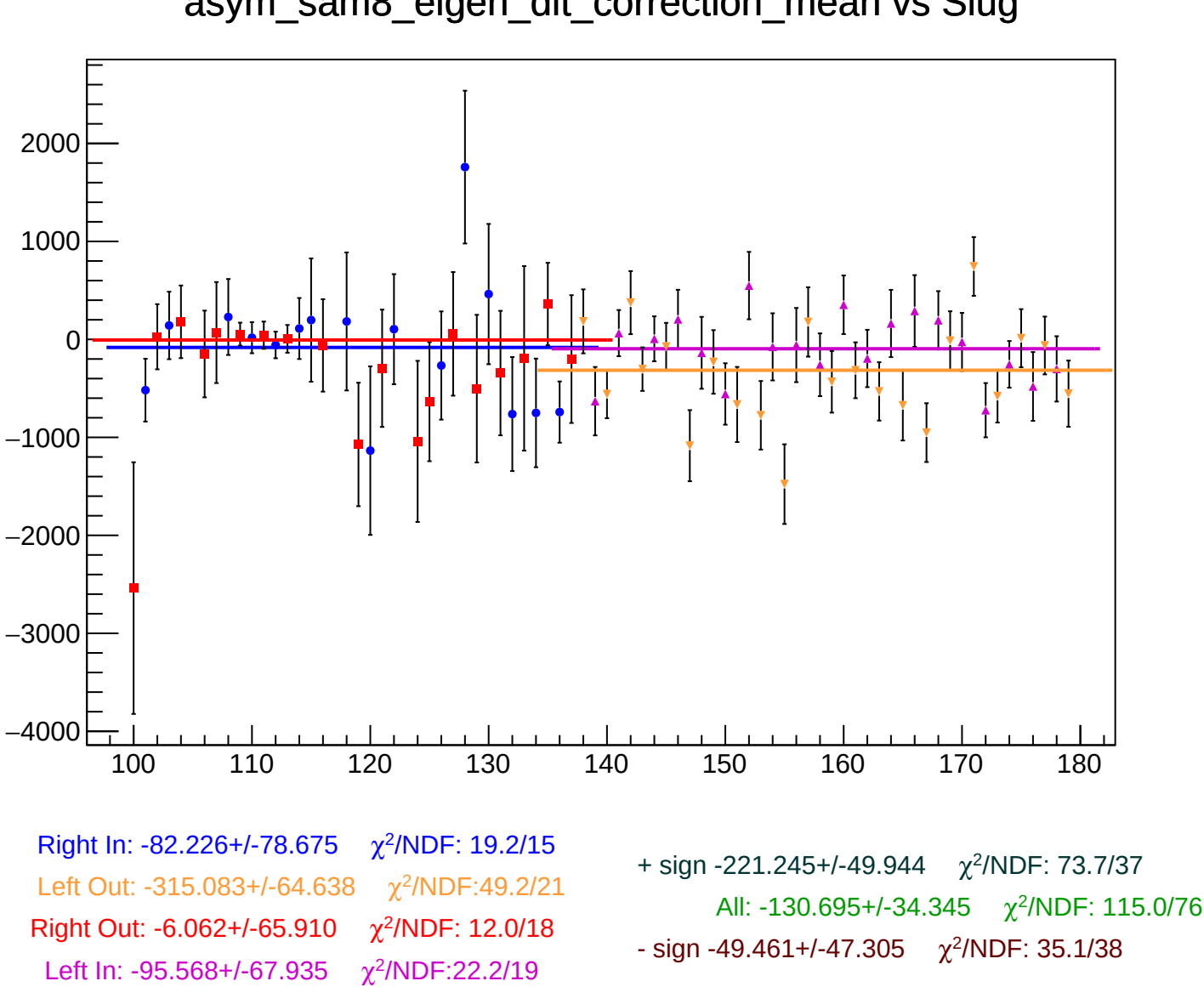
Right Out: 68.624+/-0.018 χ^2/NDF: 248166.1/18

Left In: 64.695+/-0.012 χ^2/NDF:322754.7/19

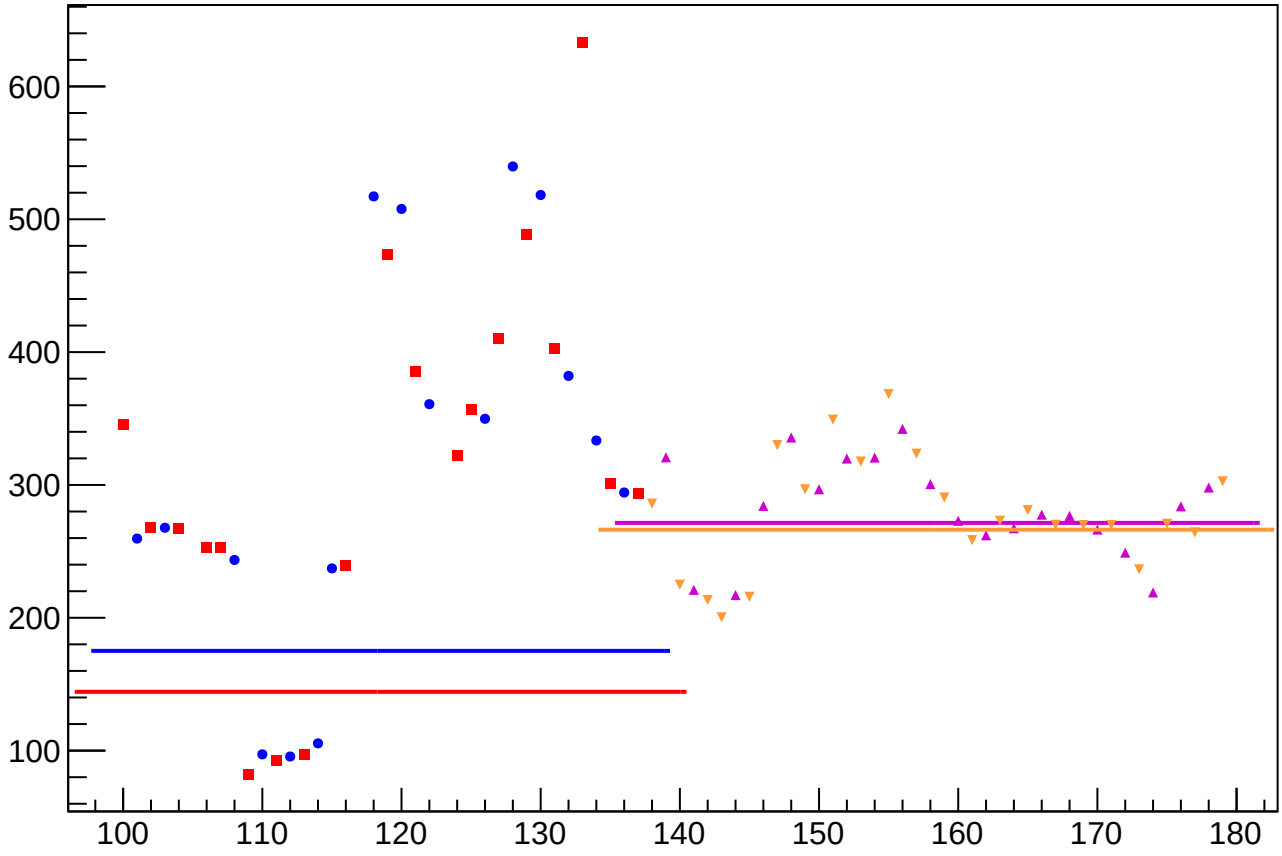
+ sign 65.593+/-0.010 χ^2/NDF: 1006600.6/37

All: 65.711+/-0.007 χ^2/NDF: 1611585.4/76

- sign 65.835+/-0.010 χ^2/NDF: 604669.8/38


asym_sam8_eigen_dit_correction_mean vs Slug
2000
1000
0
−1000
−2000
−3000
−4000
100
110
120
130
140
150
160
170
180
Right In: -82.226+/-78.675 χ²/NDF: 19.2/15
Left Out: -315.083+/-64.638 χ²/NDF:49.2/21
Right Out: -6.062+/-65.910 χ²/NDF: 12.0/18
Left In: -95.568+/-67.935 χ²/NDF:22.2/19
+ sign -221.245+/-49.944 χ²/NDF: 73.7/37
All: -130.695+/-34.345 χ²/NDF: 115.0/76
- sign -49.461+/-47.305 χ²/NDF: 35.1/38

asym_sam8_eigen_dit_correction_rms vs Slug



Right In: 175.098+/-0.056 χ^2/NDF: 4429098.4/15

Left Out: 266.323+/-0.046 χ^2/NDF:843252.2/21

Right Out: 144.276+/-0.047 χ^2/NDF: 5132412.3/18

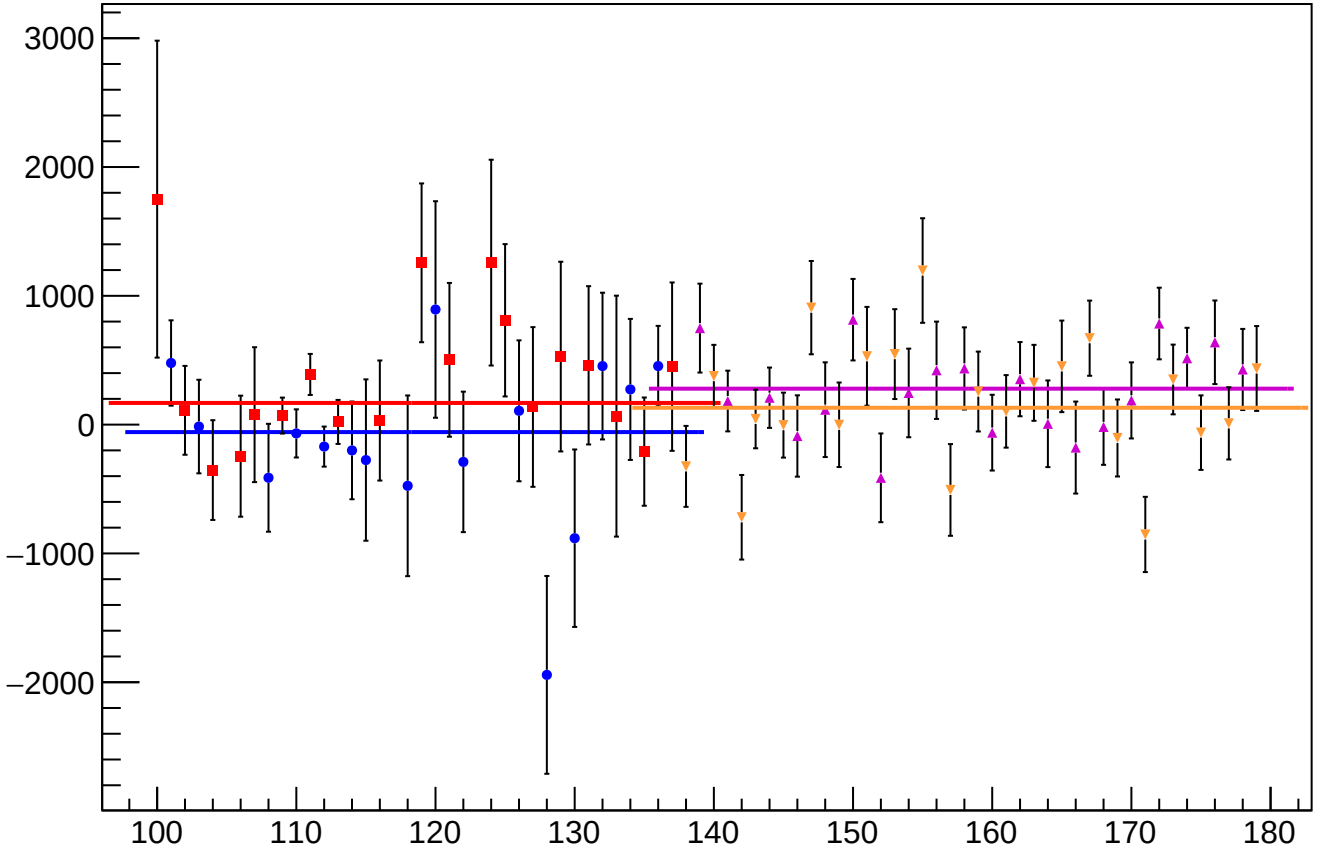
Left In: 271.437+/-0.048 χ^2/NDF:618097.3/19

+ sign 229.560+/-0.035 χ^2/NDF: 6877666.9/37

All: 217.106+/-0.024 χ^2/NDF: 16473777.1/76

- sign 205.933+/-0.033 χ^2/NDF: 9360175.4/38

asym_sam8_mean vs Slug



Right In: -57.970+/-86.890 χ^2/NDF: 17.4/15

Left Out: 131.046+/-64.299 χ^2/NDF:46.6/21

Right Out: 168.322+/-74.598 χ^2/NDF: 15.5/18

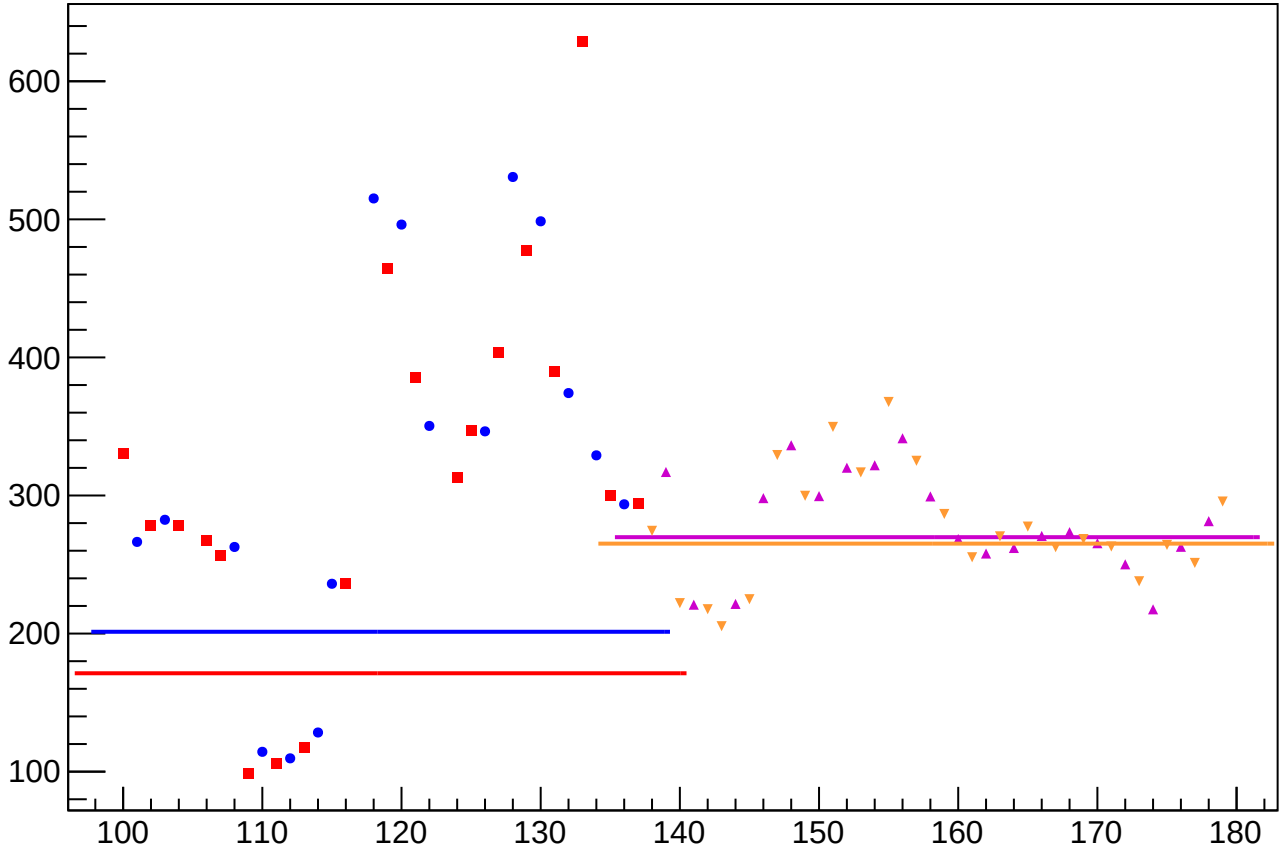
Left In: 279.105+/-67.508 χ^2/NDF:21.5/19

\+ sign 64.165+/-51.686 χ^2/NDF: 67.0/37

All: 149.342+/-35.957 χ^2/NDF: 110.5/76

\- sign 229.226+/-50.055 χ^2/NDF: 38.2/38

asym_sam8_rms vs Slug



Right In: 201.301+/-0.061 χ^2/NDF: 3572199.4/15

Left Out: 265.138+/-0.045 χ^2/NDF:764180.2/21

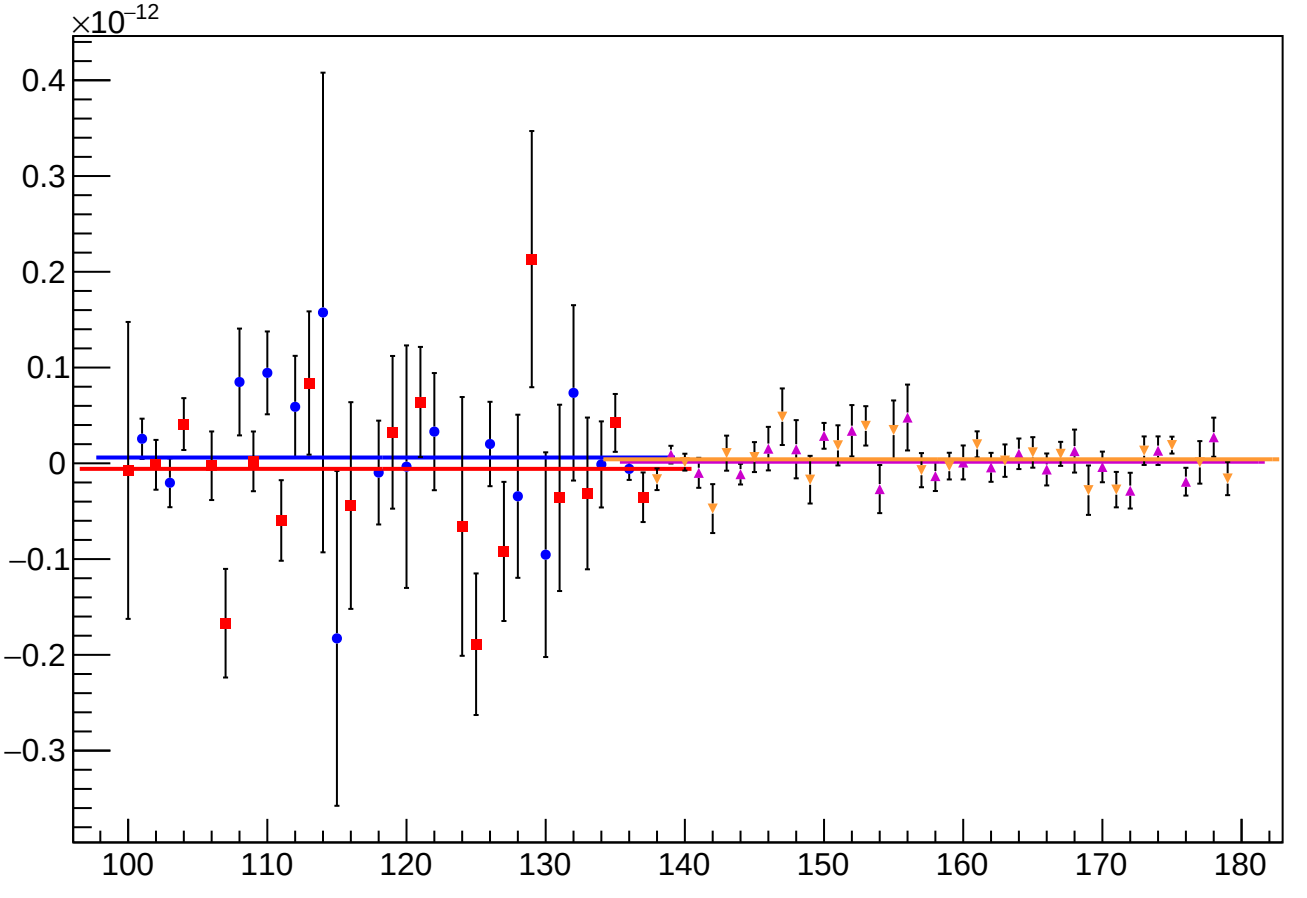
Right Out: 171.252+/-0.053 χ^2/NDF: 4192554.2/18

Left In: 269.816+/-0.048 χ^2/NDF:602022.6/19

+ sign 242.550+/-0.037 χ^2/NDF: 5033923.5/37

All: 233.720+/-0.025 χ^2/NDF: 11861136.7/76

- sign 225.439+/-0.035 χ^2/NDF: 6714092.0/38



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

Left Out: 0.000+/-0.000 χ^2/NDF:26.5/21

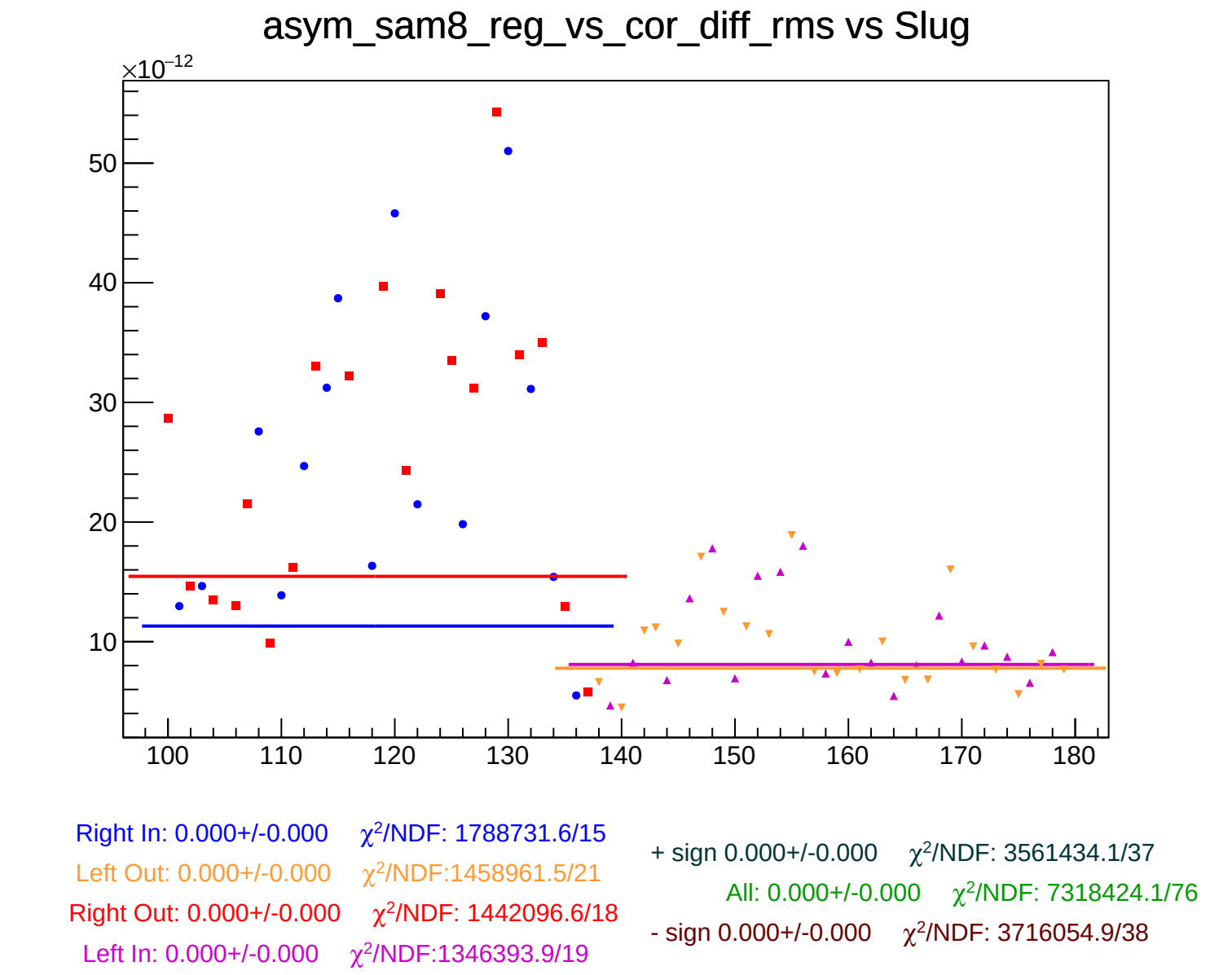
Right Out: -0.000+/-0.000 χ^2/NDF: 30.5/18

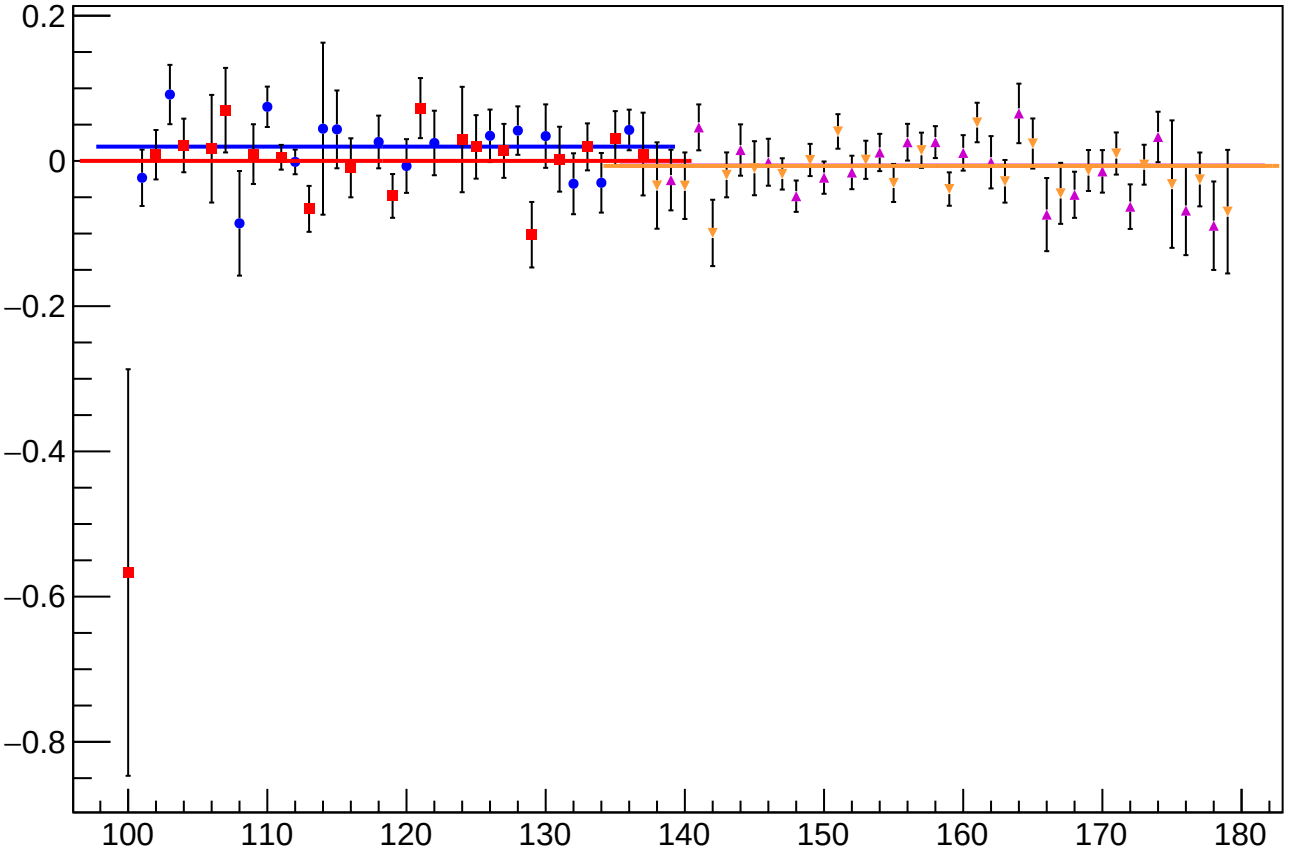
Left In: 0.000+/-0.000 χ^2/NDF:20.5/19

+ sign 0.000+/-0.000 χ^2/NDF: 40.3/37

All: 0.000+/-0.000 χ^2/NDF: 92.5/76

- sign 0.000+/-0.000 χ^2/NDF: 51.5/38


asym_sam8_reg_vs_cor_diff_rms vs Slug
×10^−12
50
40
30
20
10
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1788731.6/15
Left Out: 0.000+/-0.000 χ²/NDF:1458961.5/21
Right Out: 0.000+/-0.000 χ²/NDF: 1442096.6/18
Left In: 0.000+/-0.000 χ²/NDF:1346393.9/19
+ sign 0.000+/-0.000 χ²/NDF: 3561434.1/37
All: 0.000+/-0.000 χ²/NDF: 7318424.1/76
- sign 0.000+/-0.000 χ²/NDF: 3716054.9/38



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.007+/-0.006 χ^2/NDF:21.1/21

Right Out: 0.000+/-0.009 χ^2/NDF: 22.8/18

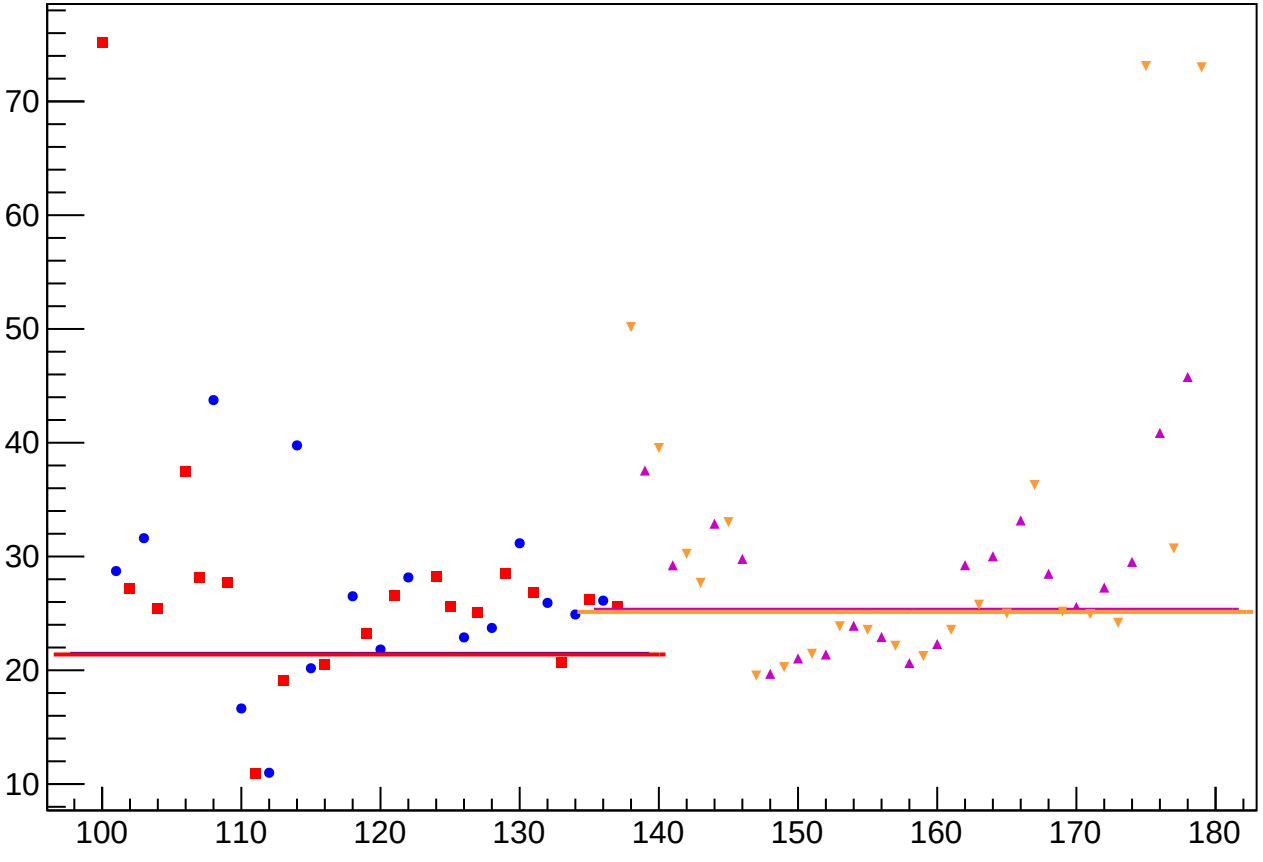
Left In: -0.006+/-0.007 χ^2/NDF:26.8/19

+ sign 0.003+/-0.005 χ^2/NDF: 44.1/37

All: -0.001+/-0.004 χ^2/NDF: 94.9/76

- sign -0.004+/-0.005 χ^2/NDF: 50.0/38

asym_sam8_dit_vs_cor_diff_rms vs Slug



Right In: 21.444+/-0.006 χ^2/NDF: 1540713.8/15

Left Out: 25.130+/-0.005 χ^2/NDF:2484624.5/21

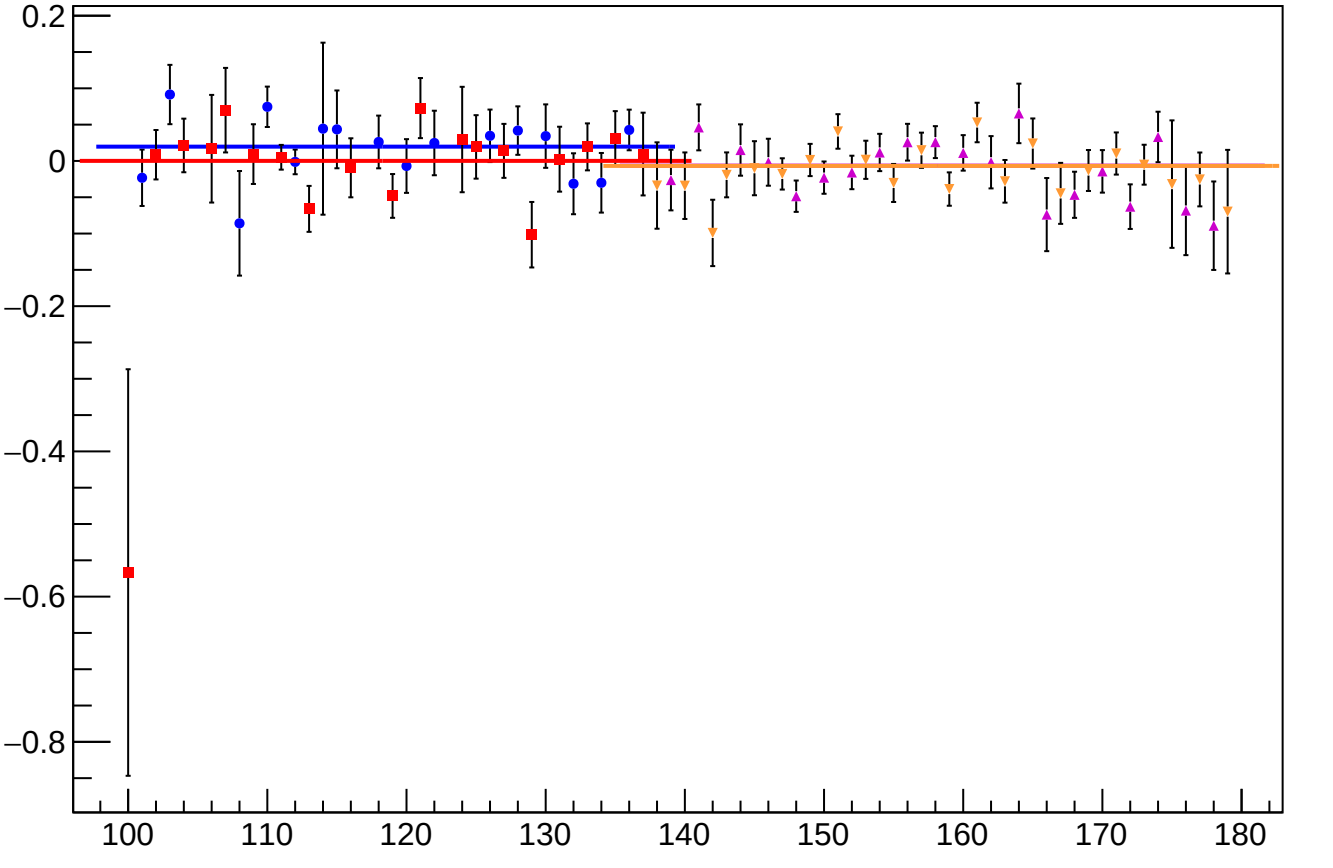
Right Out: 21.389+/-0.006 χ^2/NDF: 1311934.3/18

Left In: 25.322+/-0.005 χ^2/NDF:1254921.9/19

+ sign 23.823+/-0.004 χ^2/NDF: 4257909.5/37

All: 23.825+/-0.003 χ^2/NDF: 7089717.9/76

- sign 23.827+/-0.004 χ^2/NDF: 2831807.8/38



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.007+/-0.006 χ^2/NDF:21.1/21

Right Out: 0.000+/-0.009 χ^2/NDF: 22.8/18

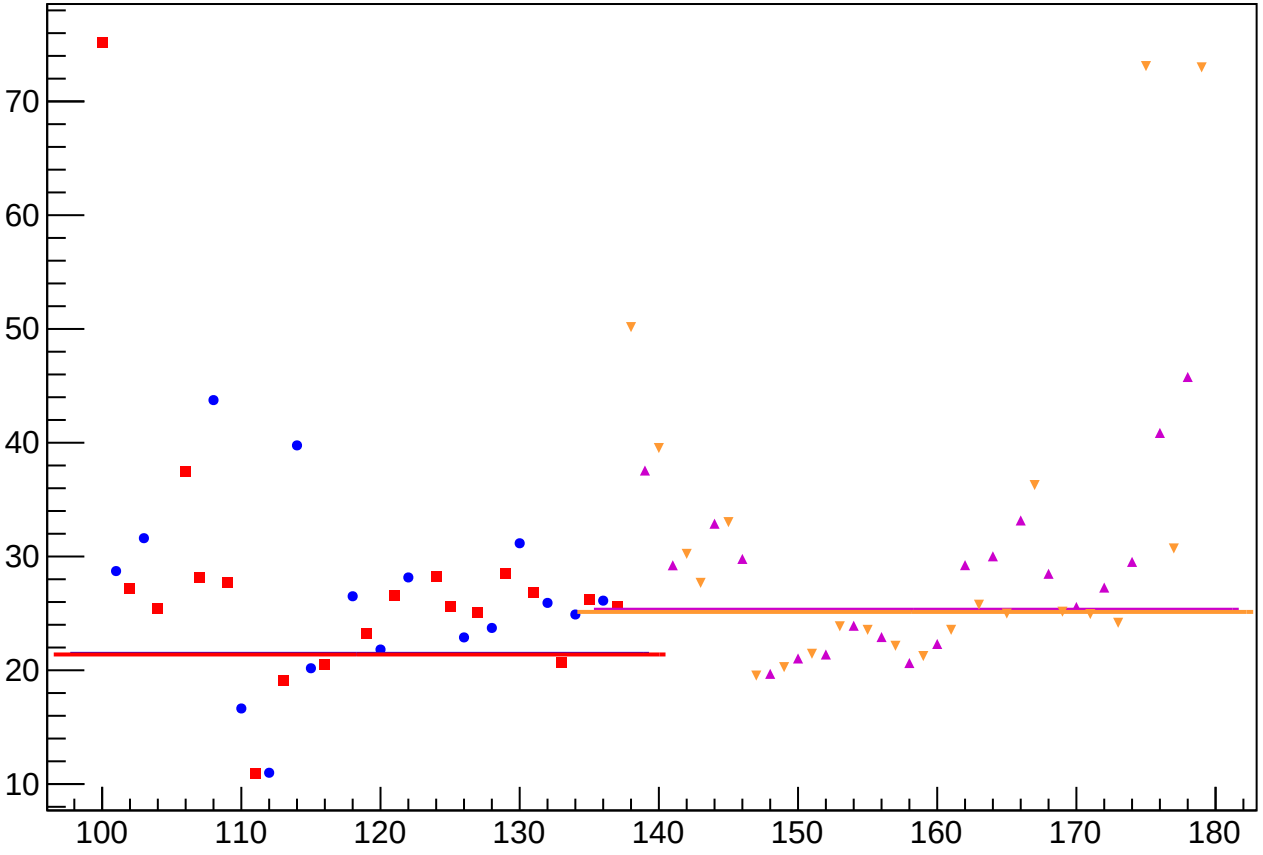
Left In: -0.006+/-0.007 χ^2/NDF:26.8/19

+ sign 0.003+/-0.005 χ^2/NDF: 44.1/37

All: -0.001+/-0.004 χ^2/NDF: 94.9/76

- sign -0.004+/-0.005 χ^2/NDF: 50.0/38

asym_sam8_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 21.444+/-0.006 χ^2/NDF: 1540713.8/15

Left Out: 25.130+/-0.005 χ^2/NDF:2484624.5/21

Right Out: 21.389+/-0.006 χ^2/NDF: 1311934.3/18

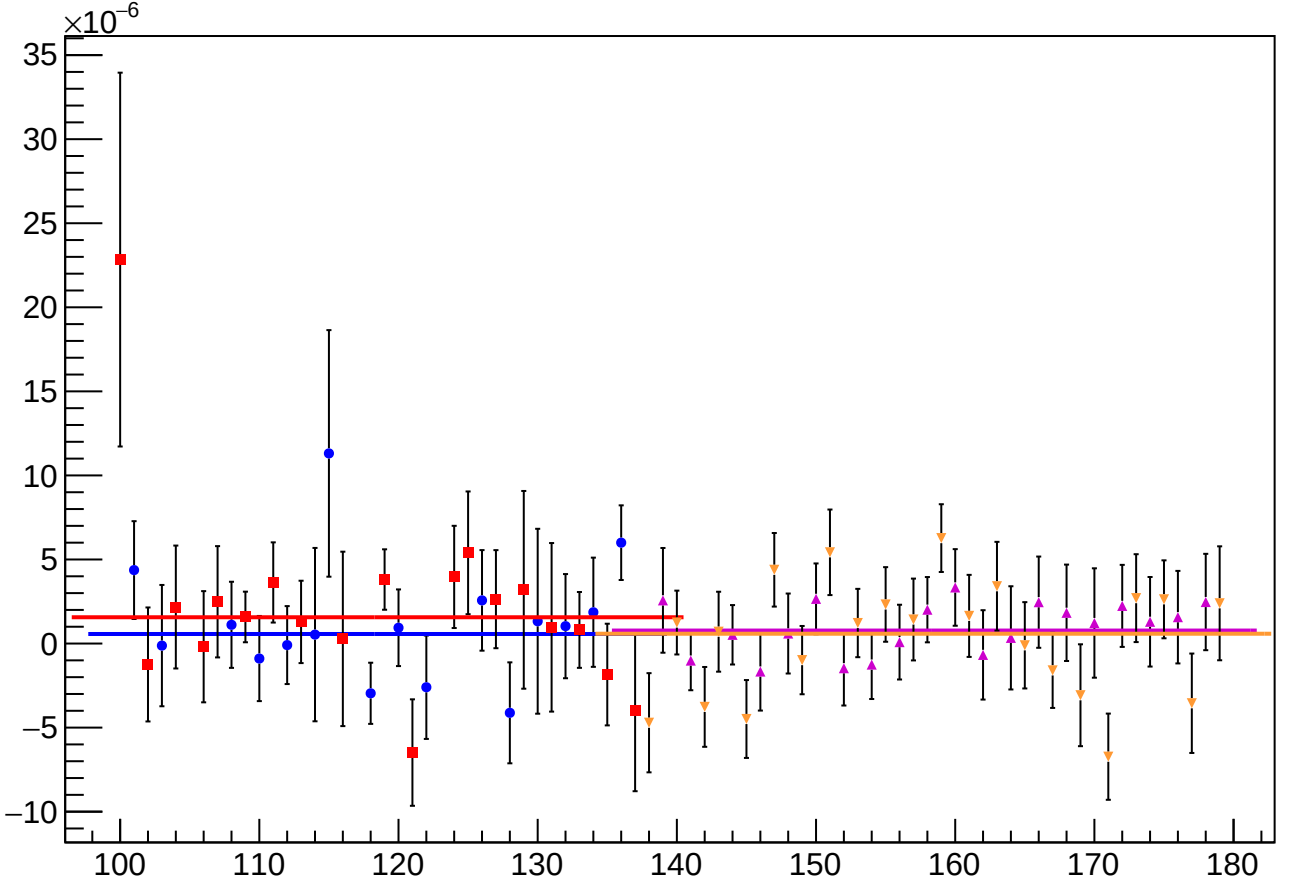
Left In: 25.322+/-0.005 χ^2/NDF:1254921.9/19

\+ sign 23.823+/-0.004 χ^2/NDF: 4257909.5/37

All: 23.825+/-0.003 χ^2/NDF: 7089717.9/76

\- sign 23.827+/-0.004 χ^2/NDF: 2831807.8/38

asym_sam8_eigen_dit_vs_dit_diff_mean vs Slug



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

Left Out: 0.000+/-0.000 χ^2/NDF:43.2/21

Right Out: 0.000+/-0.000 χ^2/NDF: 18.3/18

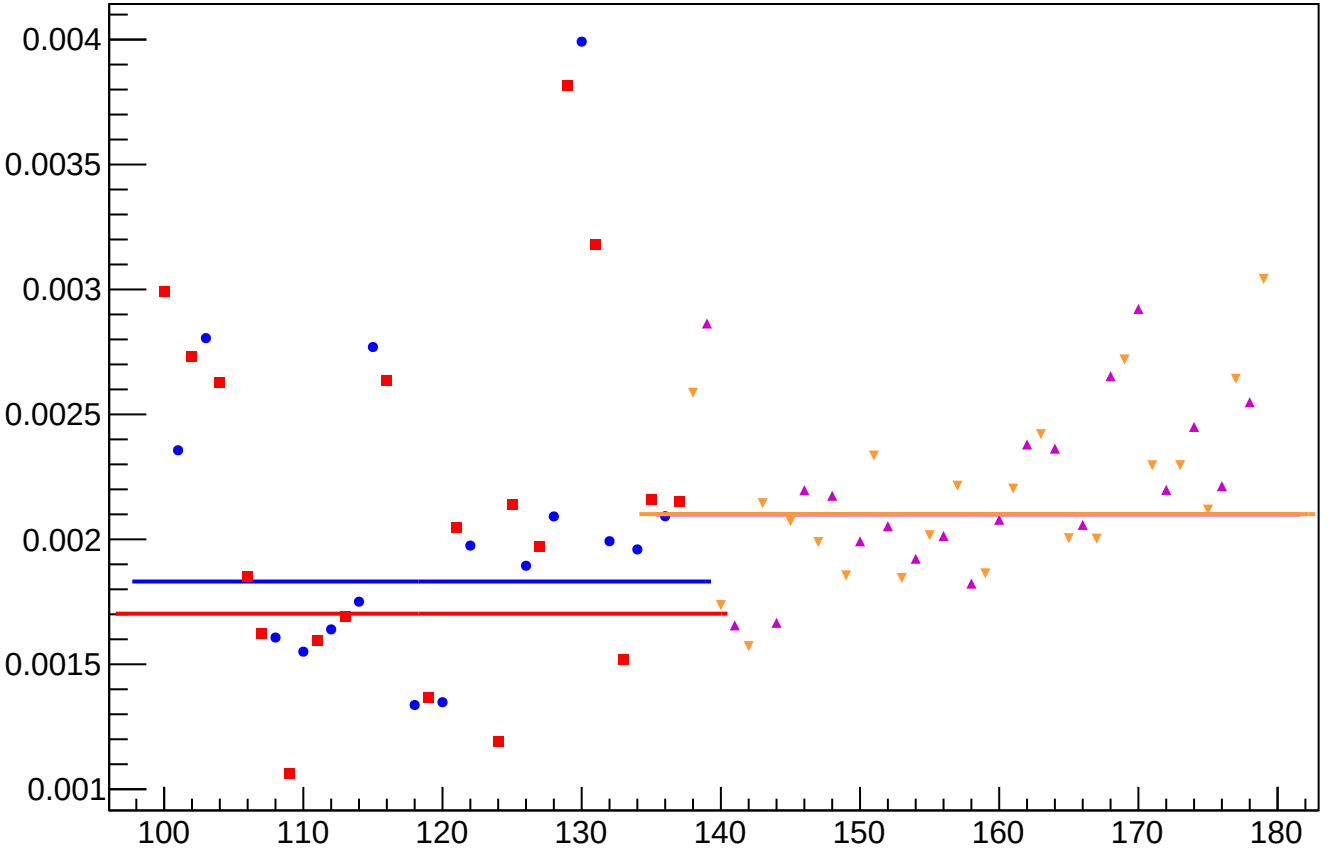
Left In: 0.000+/-0.000 χ^2/NDF:8.7/19

+ sign 0.000+/-0.000 χ^2/NDF: 61.4/37

All: 0.000+/-0.000 χ^2/NDF: 90.1/76

- sign 0.000+/-0.000 χ^2/NDF: 27.9/38

asym_sam8_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 900406.1/15

Left Out: 0.002+/-0.000 χ^2/NDF:713036.2/21

Right Out: 0.002+/-0.000 χ^2/NDF: 1478057.9/18

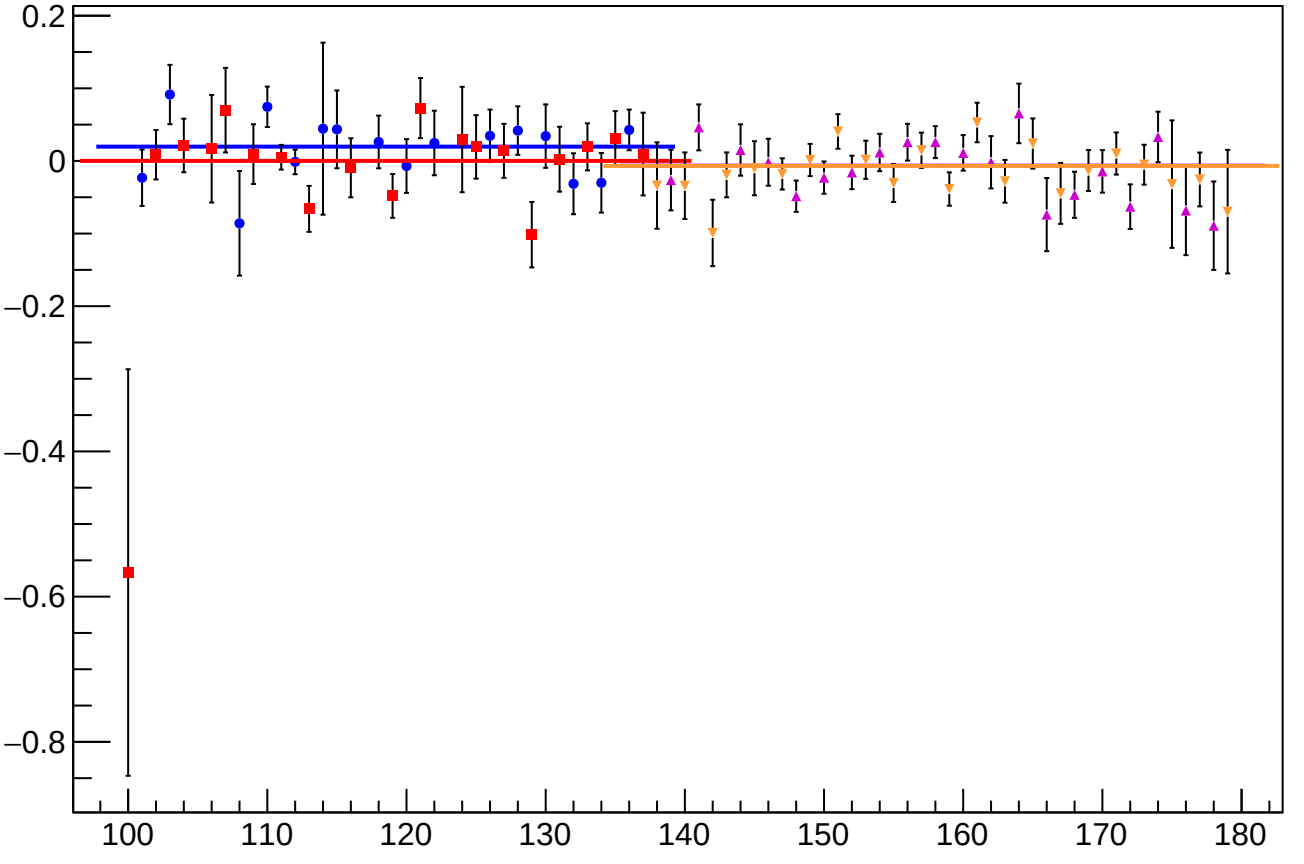
Left In: 0.002+/-0.000 χ^2/NDF:767809.2/19

+ sign 0.002+/-0.000 χ^2/NDF: 1805321.2/37

All: 0.002+/-0.000 χ^2/NDF: 4518161.2/76

- sign 0.002+/-0.000 χ^2/NDF: 2688667.4/38

asym_sam8_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.007+/-0.006 χ^2/NDF:21.1/21

Right Out: 0.000+/-0.009 χ^2/NDF: 22.8/18

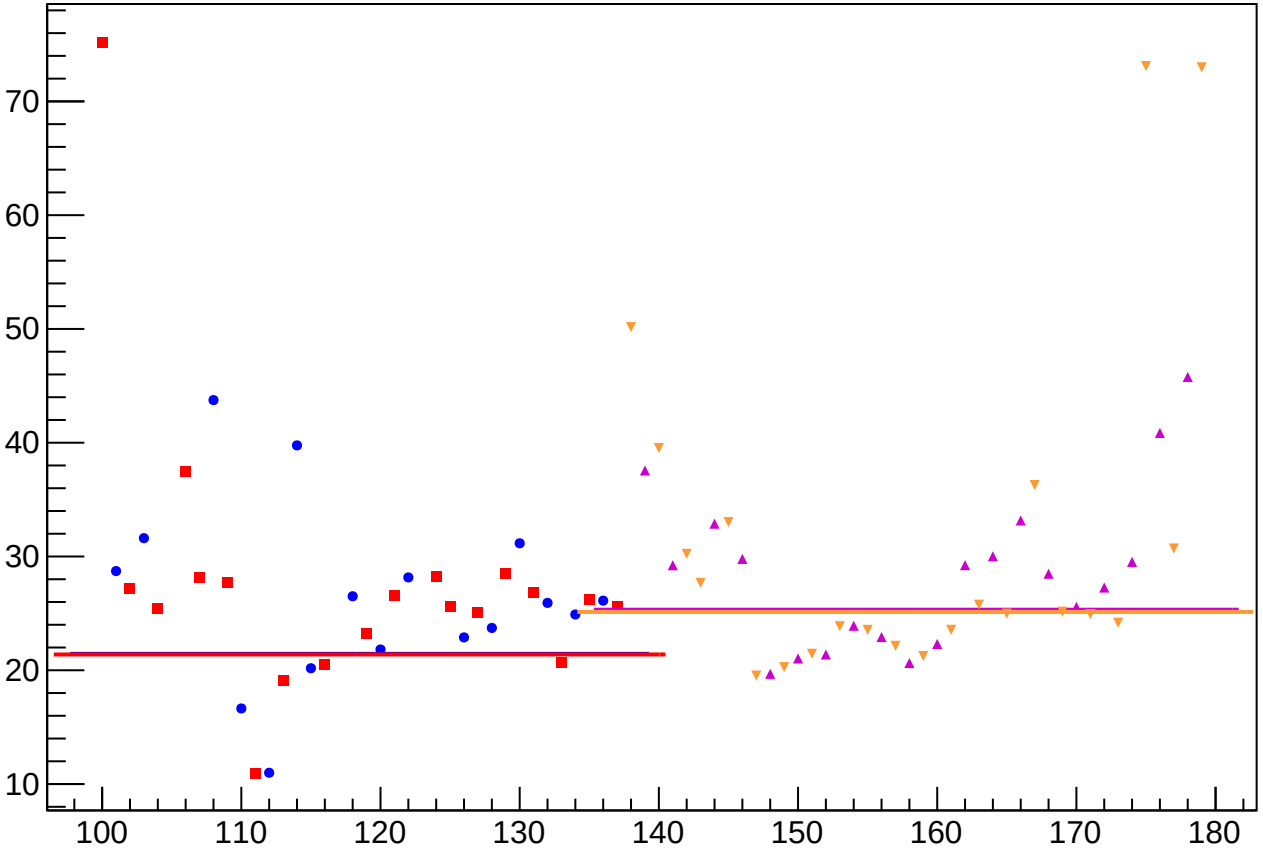
Left In: -0.006+/-0.007 χ^2/NDF:26.8/19

+ sign 0.003+/-0.005 χ^2/NDF: 44.1/37

All: -0.001+/-0.004 χ^2/NDF: 94.9/76

- sign -0.004+/-0.005 χ^2/NDF: 50.0/38

asym_sam8_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 21.443+/-0.006 χ^2/NDF: 1540859.8/15

Left Out: 25.130+/-0.005 χ^2/NDF:2484624.1/21

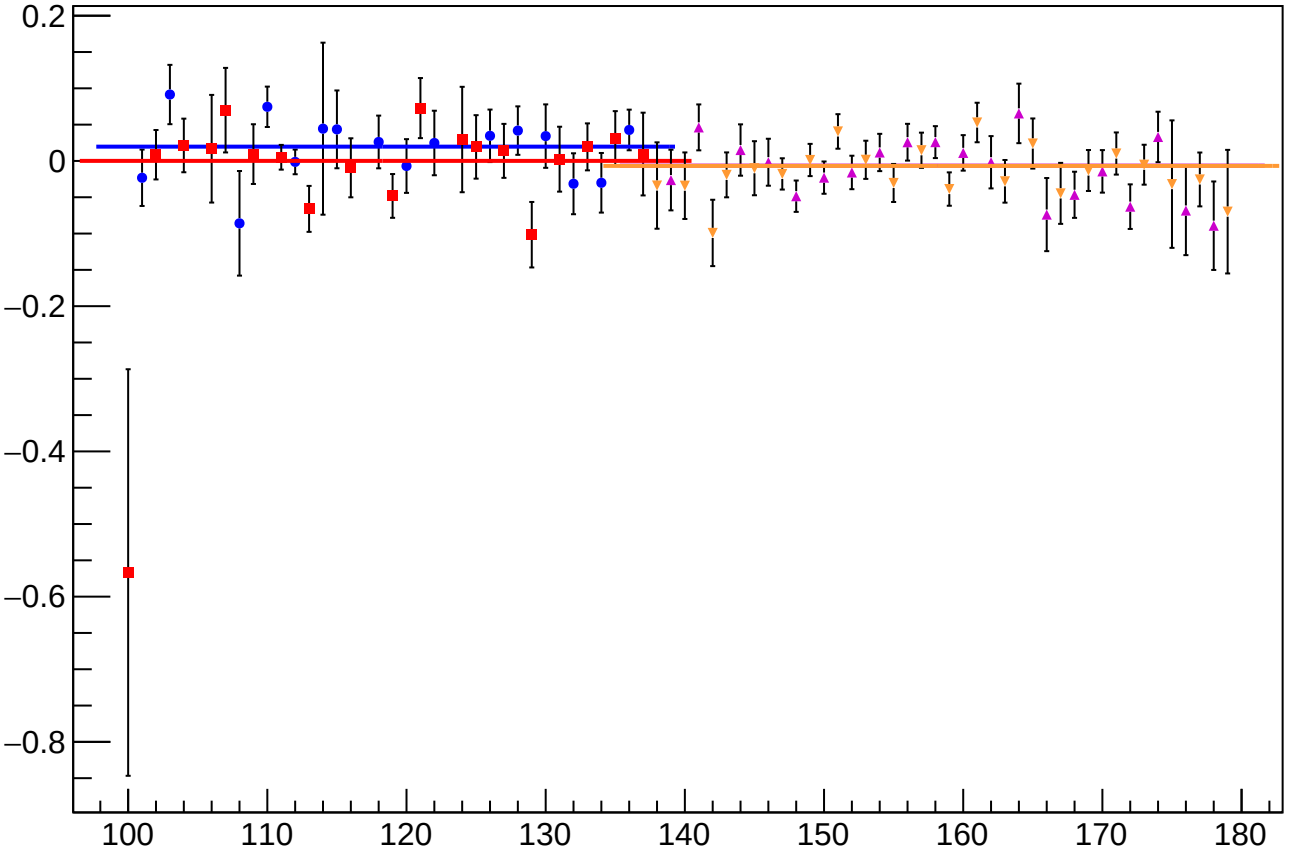
Right Out: 21.389+/-0.006 χ^2/NDF: 1312055.7/18

Left In: 25.322+/-0.005 χ^2/NDF:1254911.2/19

\+ sign 23.823+/-0.004 χ^2/NDF: 4258159.2/37

All: 23.825+/-0.003 χ^2/NDF: 7090191.5/76

\- sign 23.827+/-0.004 χ^2/NDF: 2832031.6/38



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.007+/-0.006 χ^2/NDF:21.1/21

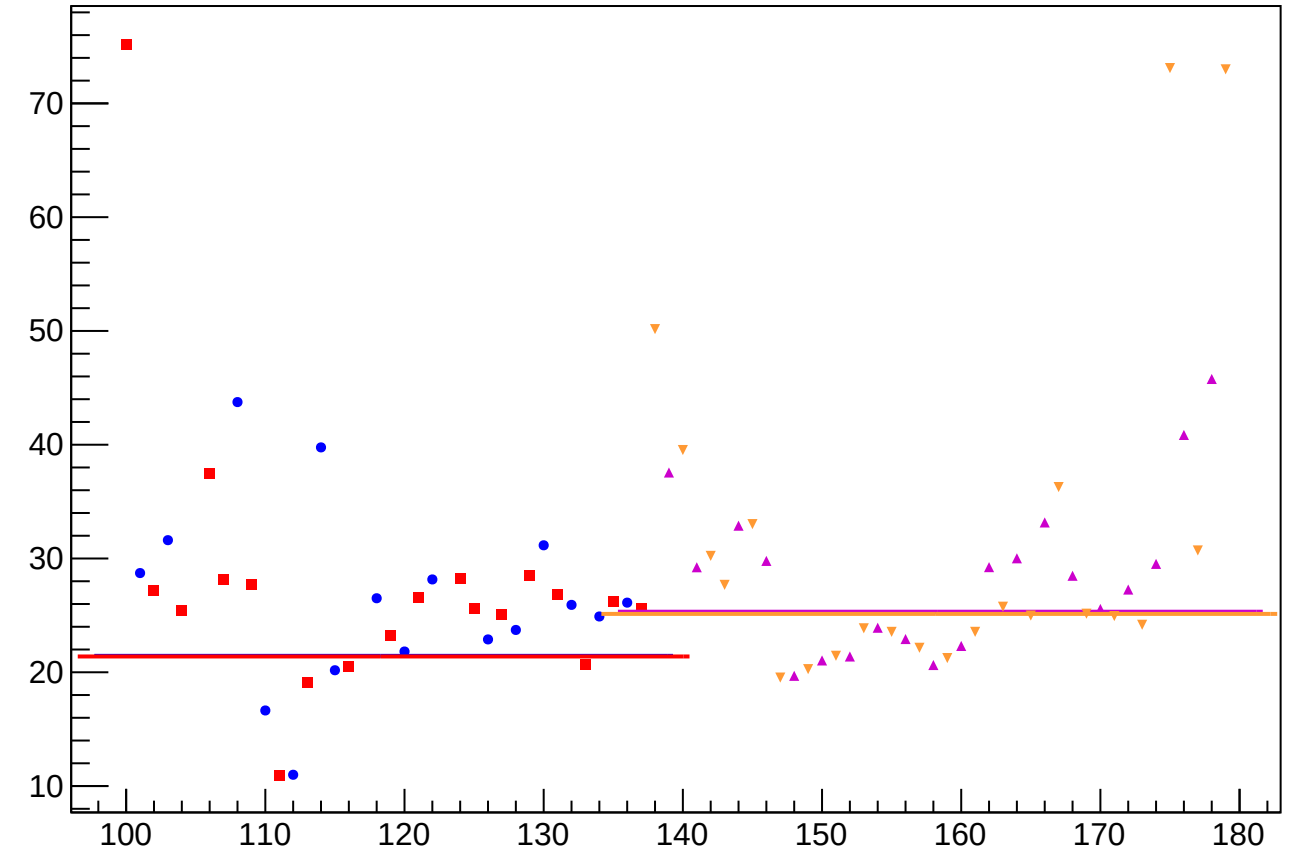
Right Out: 0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: -0.006+/-0.007 χ^2/NDF:26.8/19

+ sign 0.003+/-0.005 χ^2/NDF: 44.1/37

All: -0.001+/-0.004 χ^2/NDF: 94.9/76

- sign -0.004+/-0.005 χ^2/NDF: 50.0/38



Right In: 21.443+/-0.006 χ^2/NDF: 1540859.8/15

Left Out: 25.130+/-0.005 χ^2/NDF:2484624.1/21

Right Out: 21.389+/-0.006 χ^2/NDF: 1312055.7/18

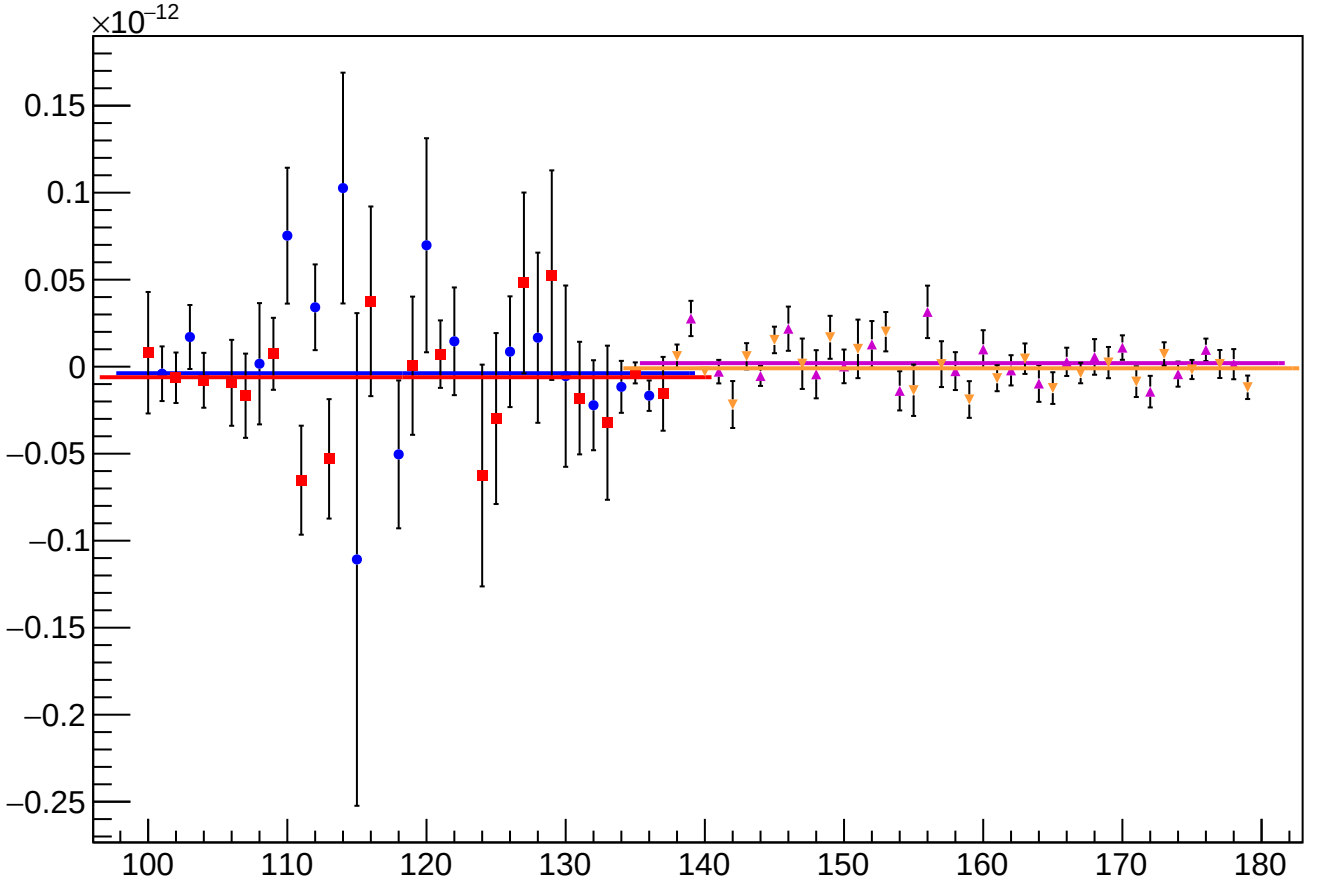
Left In: 25.322+/-0.005 χ^2/NDF:1254911.2/19

+ sign 23.823+/-0.004 χ^2/NDF: 4258159.2/37

All: 23.825+/-0.003 χ^2/NDF: 7090191.5/76

- sign 23.827+/-0.004 χ^2/NDF: 2832031.6/38

asym_sam8_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:26.8/21

Right Out: -0.000+/-0.000 χ^2/NDF: 11.3/18

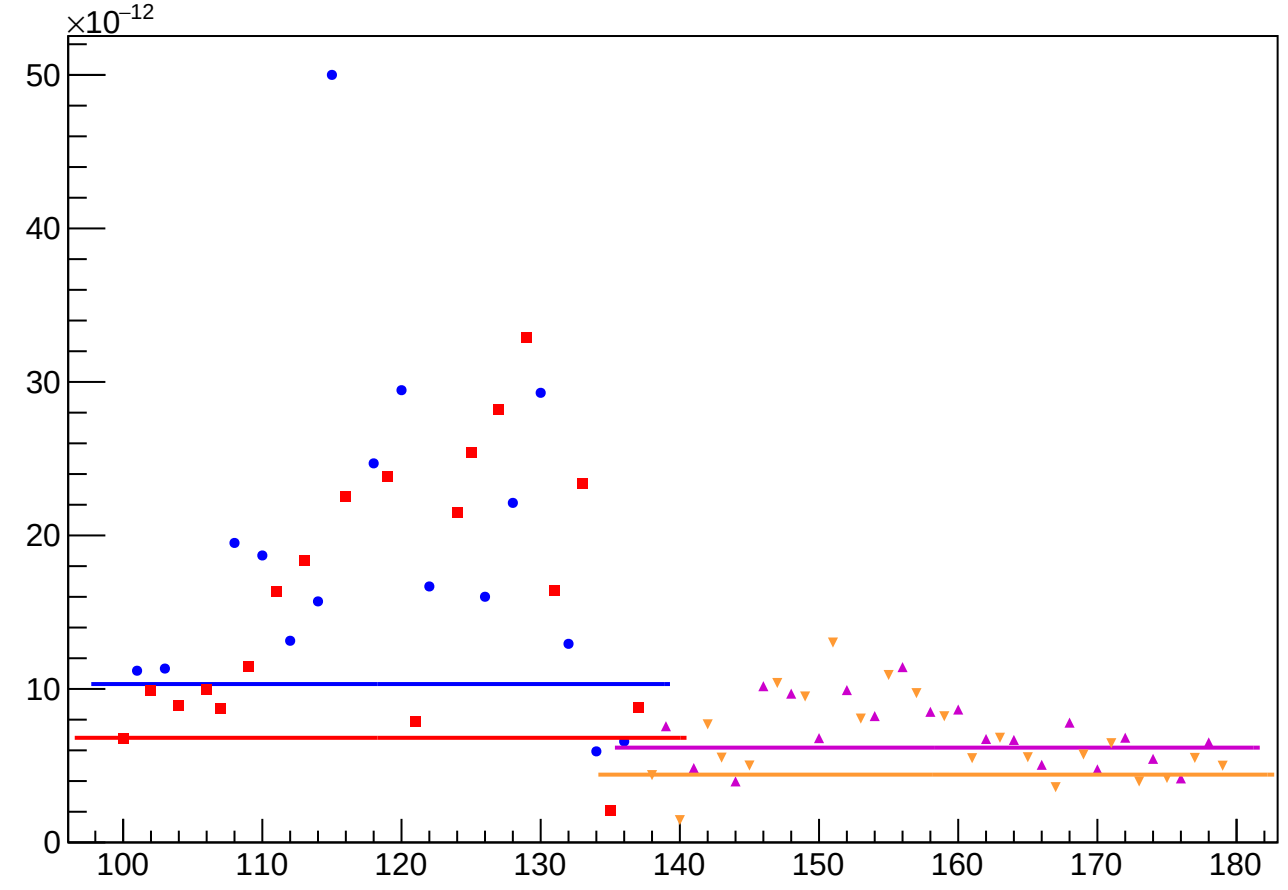
Left In: 0.000+/-0.000 χ^2/NDF:27.1/19

+ sign -0.000+/-0.000 χ^2/NDF: 44.3/37

All: -0.000+/-0.000 χ^2/NDF: 86.1/76

- sign 0.000+/-0.000 χ^2/NDF: 41.2/38

asym_sam8_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1951308.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:5152779.3/21

Right Out: 0.000+/-0.000 χ^2/NDF: 4021812.9/18

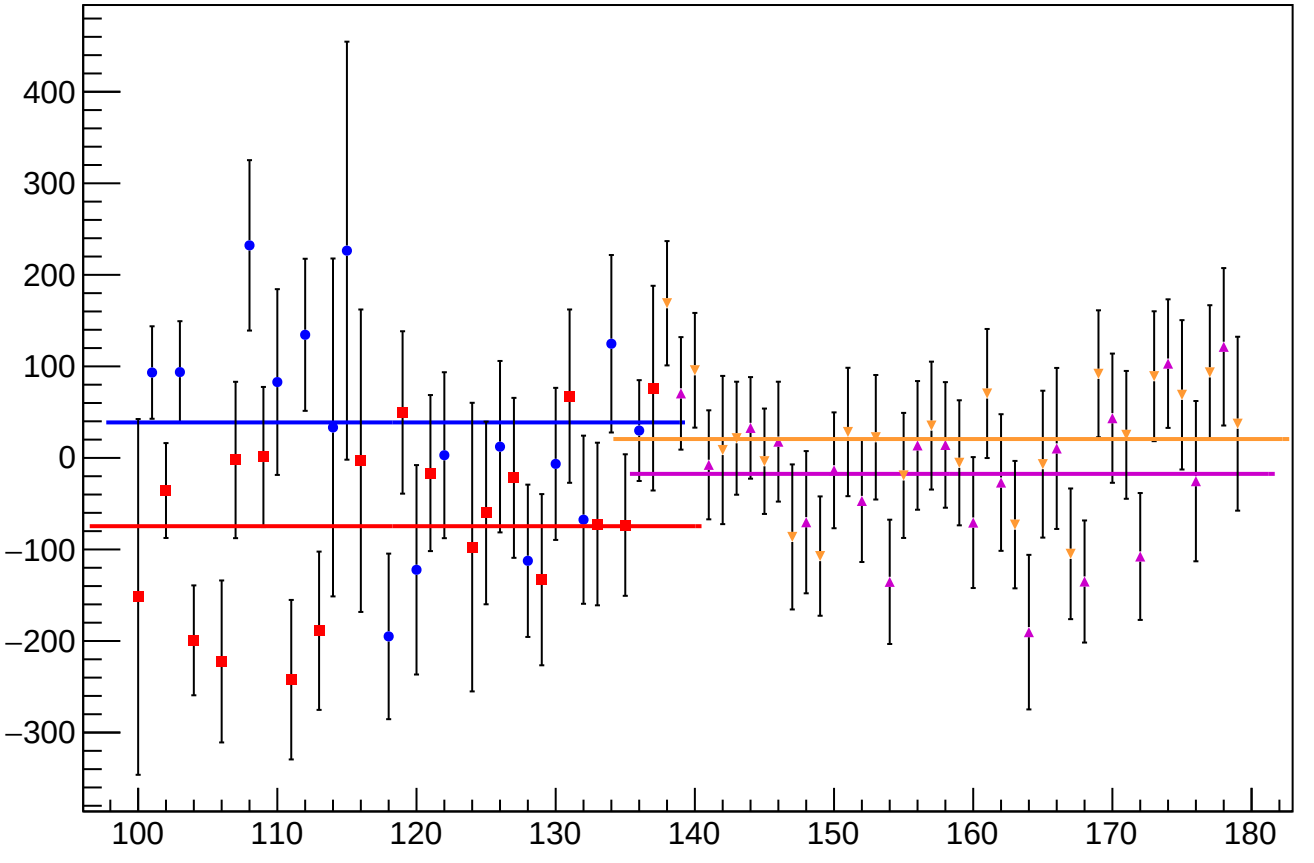
Left In: 0.000+/-0.000 χ^2/NDF:1814308.8/19

+ sign 0.000+/-0.000 χ^2/NDF: 9238436.4/37

All: 0.000+/-0.000 χ^2/NDF: 15860182.6/76

- sign 0.000+/-0.000 χ^2/NDF: 5872220.4/38

reg_asym_sam_15_avg_mean vs Slug



Right In: 38.782+/-20.413 χ^2/NDF: 23.3/15

Left Out: 20.629+/-14.985 χ^2/NDF:21.5/21

Right Out: -74.578+/-19.802 χ^2/NDF: 22.5/18

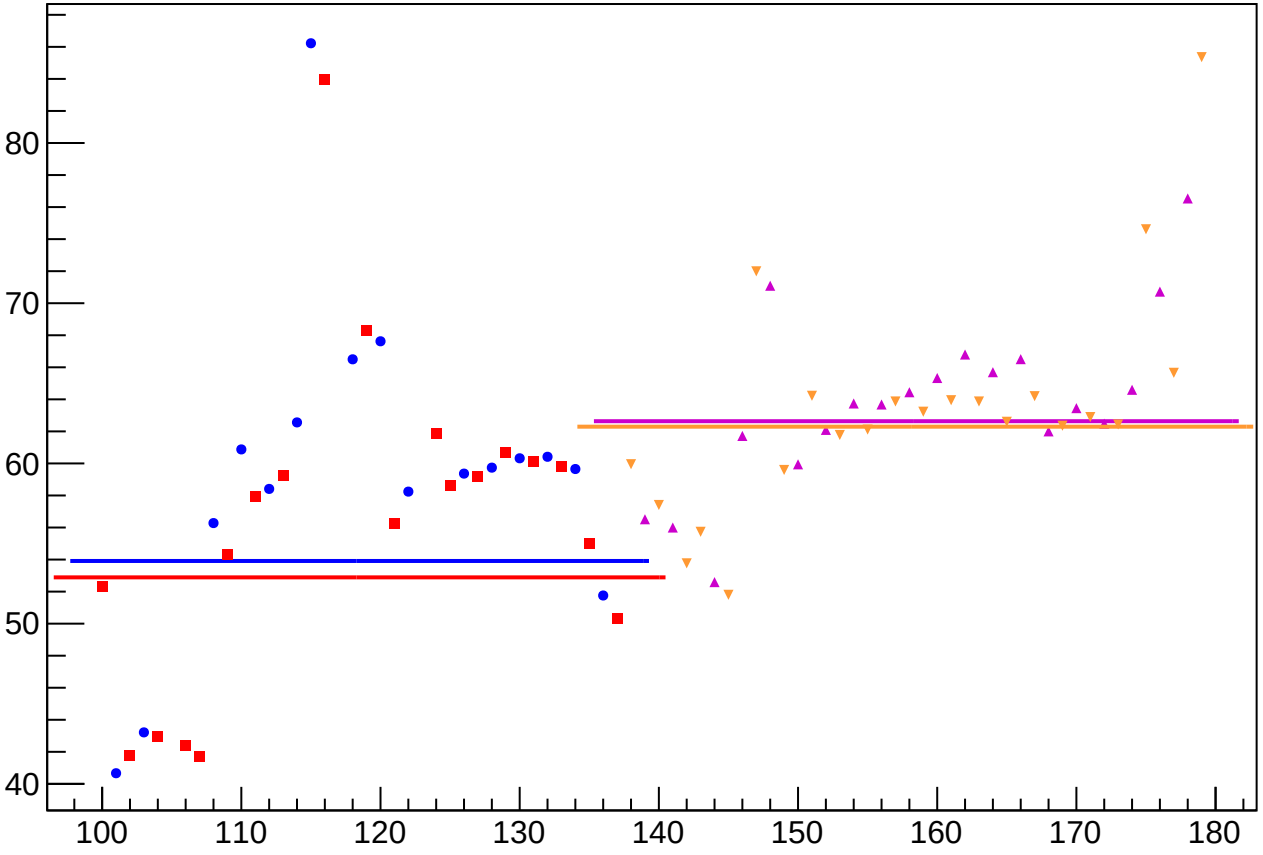
Left In: -17.426+/-15.573 χ^2/NDF:23.2/19

+ sign 26.986+/-12.080 χ^2/NDF: 45.3/37

All: -5.701+/-8.598 χ^2/NDF: 111.0/76

- sign -39.267+/-12.241 χ^2/NDF: 50.8/38

reg_asym_sam_15_avg_rms vs Slug



Right In: 53.912+/-0.014 χ^2/NDF: 393261.4/15

Left Out: 62.295+/-0.011 χ^2/NDF:333669.8/21

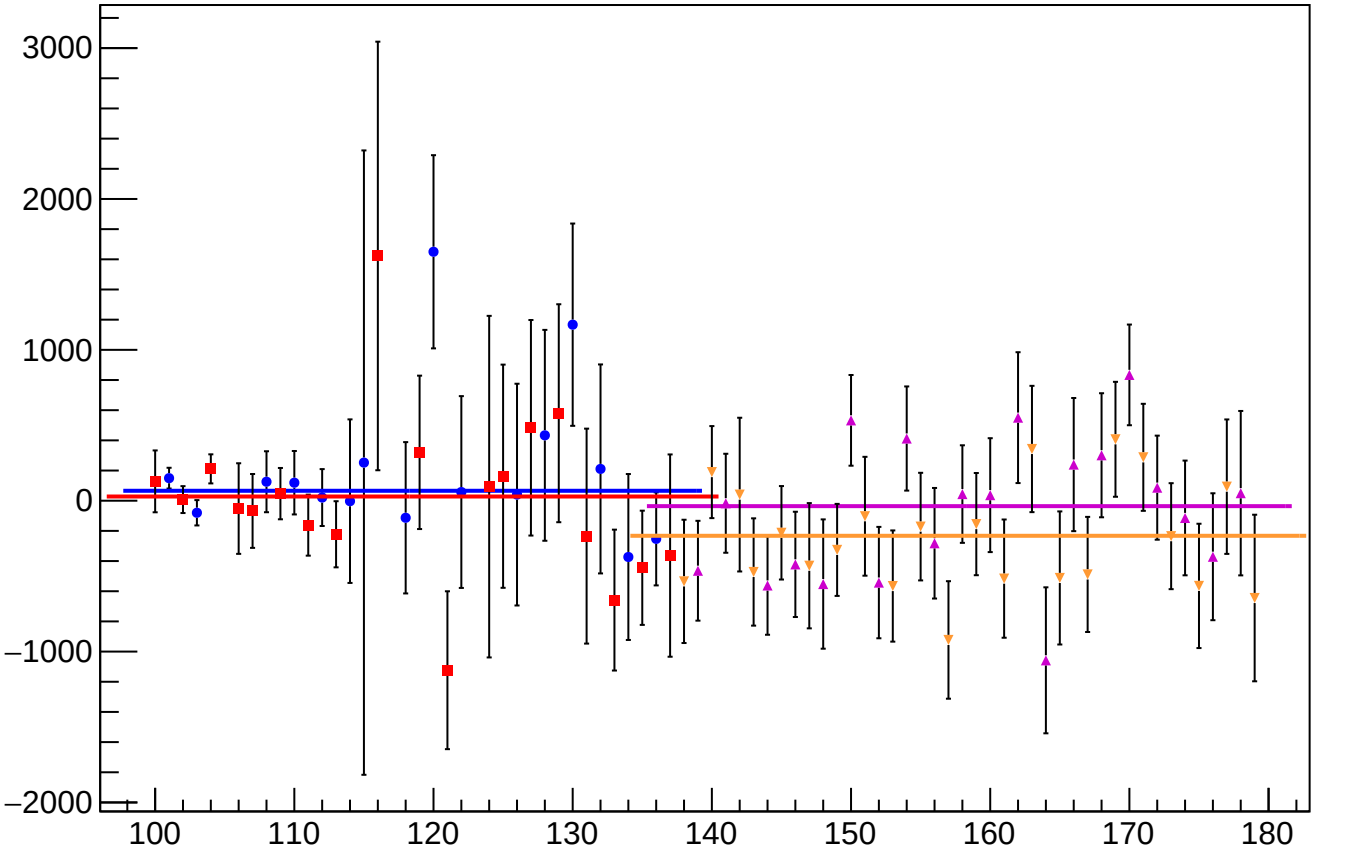
Right Out: 52.889+/-0.014 χ^2/NDF: 425226.7/18

Left In: 62.636+/-0.011 χ^2/NDF:227310.6/19

+ sign 59.359+/-0.009 χ^2/NDF: 946078.9/37

All: 59.138+/-0.006 χ^2/NDF: 1899393.6/76

- sign 58.911+/-0.009 χ^2/NDF: 951958.3/38



Right In: 65.853+/-46.478 χ^2/NDF: 15.7/15

Left Out: -232.464+/-80.624 χ^2/NDF:17.7/21

Right Out: 27.850+/-50.291 χ^2/NDF: 18.0/18

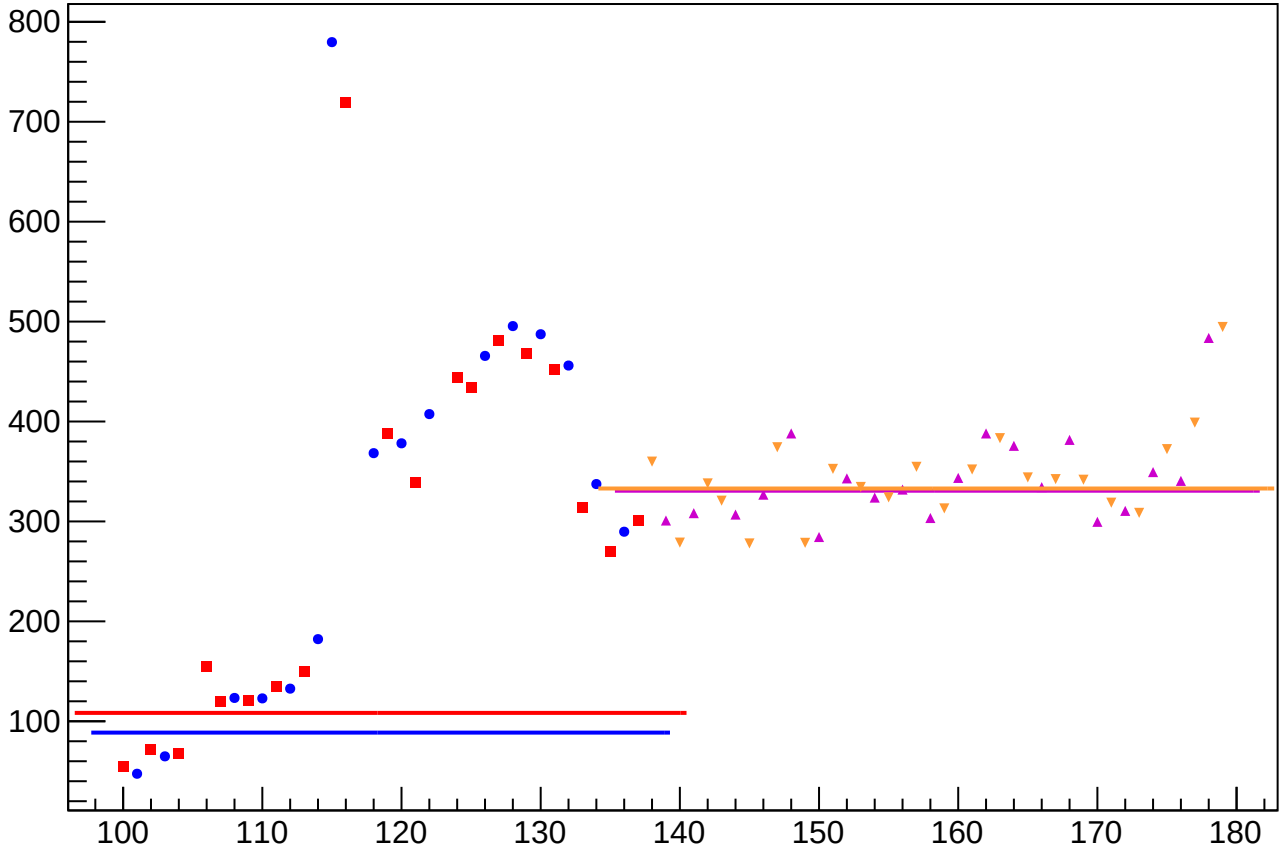
Left In: -36.005+/-82.691 χ^2/NDF:29.6/19

+ sign -8.559+/-40.267 χ^2/NDF: 43.6/37

All: 0.403+/-29.382 χ^2/NDF: 91.8/76

- sign 10.608+/-42.969 χ^2/NDF: 48.0/38

asym_sam_15_avg_reg_correction_rms vs Slug



Right In: 88.658+/-0.033 χ^2/NDF: 6648055.6/15

Left Out: 332.952+/-0.057 χ^2/NDF:523587.7/21

Right Out: 108.385+/-0.036 χ^2/NDF: 5362841.6/18

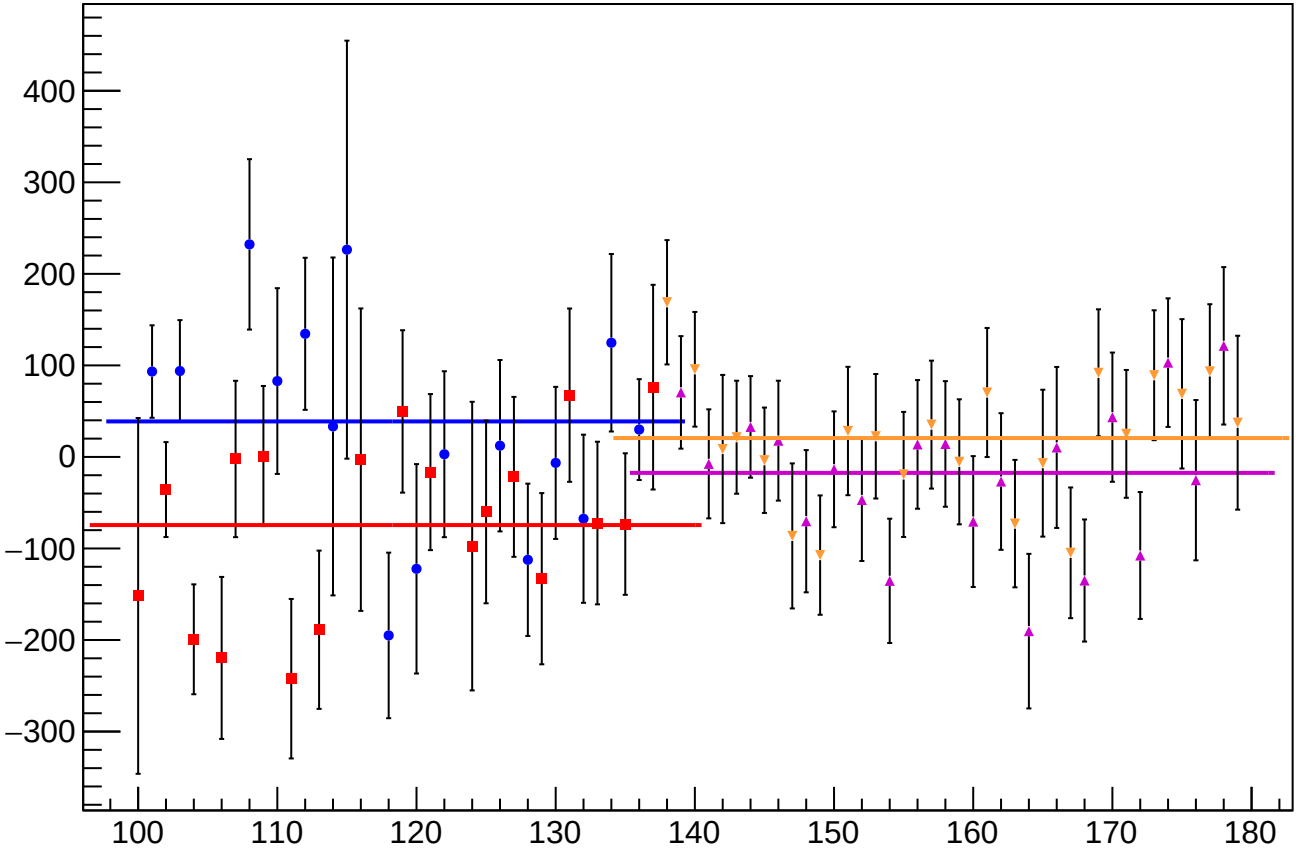
Left In: 330.741+/-0.058 χ^2/NDF:410024.5/19

+ sign 149.594+/-0.028 χ^2/NDF: 20953788.9/37

All: 158.399+/-0.021 χ^2/NDF: 37487804.3/76

- sign 168.424+/-0.030 χ^2/NDF: 16329514.1/38

cor_asym_sam_15_avg_mean vs Slug



Right In: 38.794+/-20.413 χ^2/NDF: 23.3/15

Left Out: 20.631+/-14.985 χ^2/NDF:21.5/21

Right Out: -74.442+/-19.803 χ^2/NDF: 22.3/18

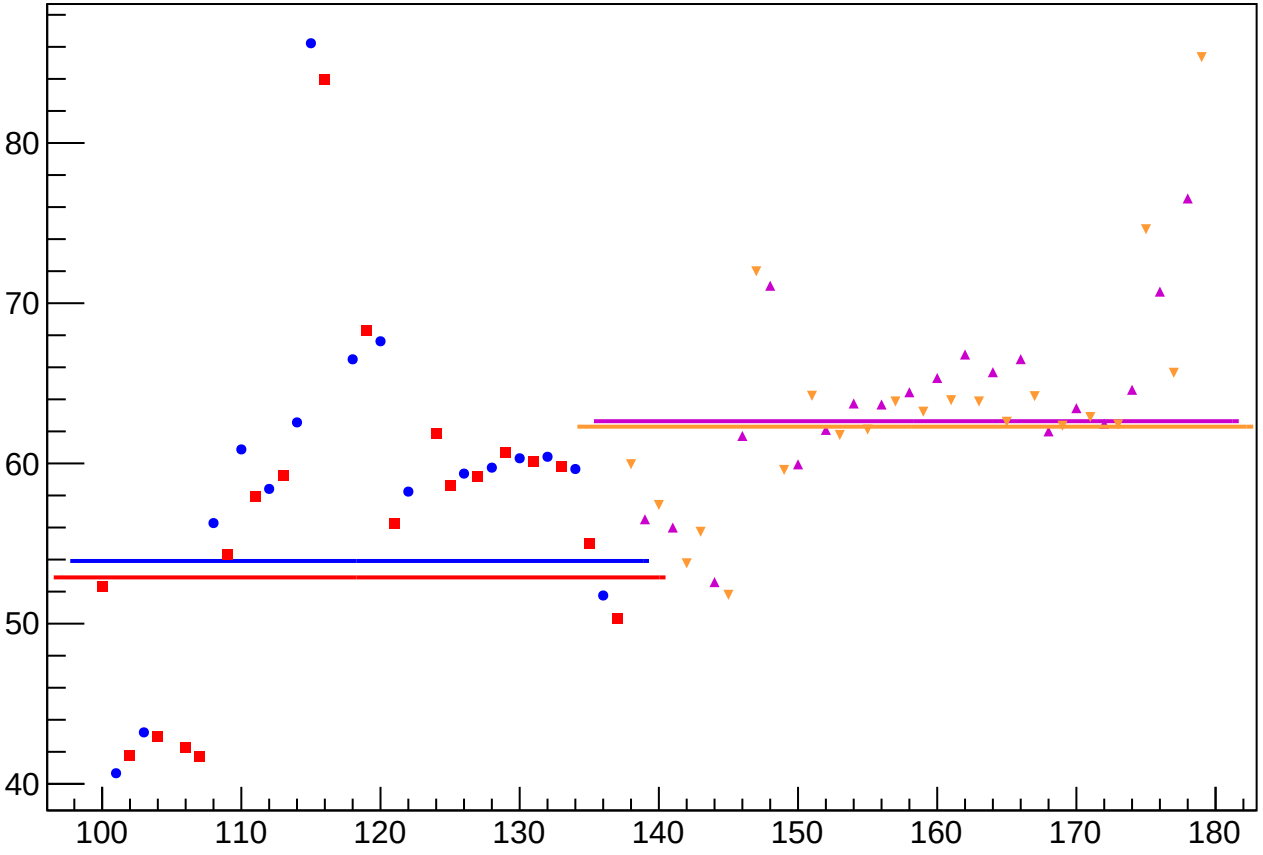
Left In: -17.426+/-15.573 χ^2/NDF:23.2/19

+ sign 26.991+/-12.080 χ^2/NDF: 45.3/37

All: -5.671+/-8.598 χ^2/NDF: 110.8/76

- sign -39.213+/-12.241 χ^2/NDF: 50.7/38

cor_asym_sam_15_avg_rms vs Slug



Right In: 53.912+/-0.014 χ^2/NDF: 393260.8/15

Left Out: 62.295+/-0.011 χ^2/NDF:333669.8/21

Right Out: 52.887+/-0.014 χ^2/NDF: 425534.3/18

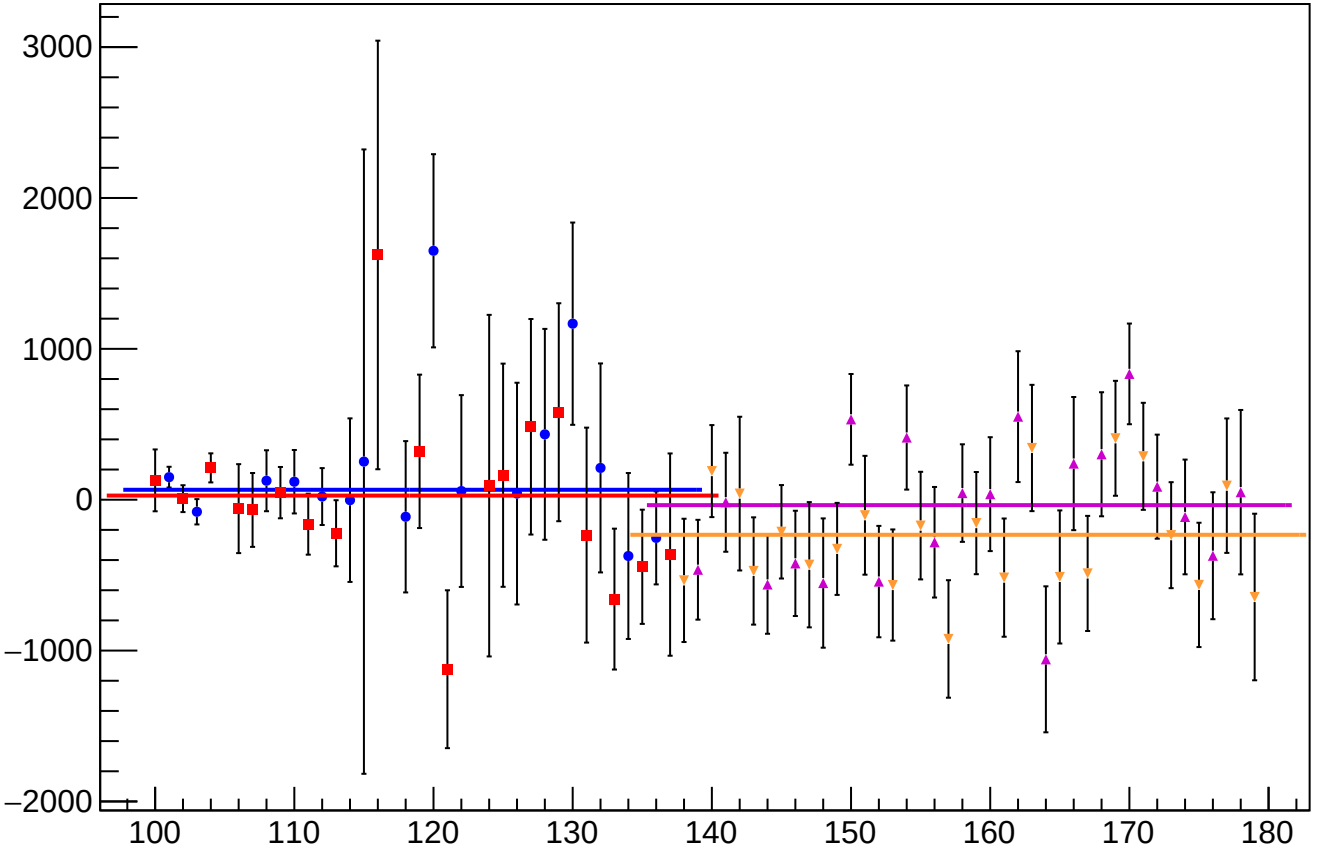
Left In: 62.636+/-0.011 χ^2/NDF:227310.7/19

+ sign 59.359+/-0.009 χ^2/NDF: 946077.9/37

All: 59.138+/-0.006 χ^2/NDF: 1899815.2/76

- sign 58.911+/-0.009 χ^2/NDF: 952377.6/38

asym_sam_15_avg_cor_correction_mean vs Slug



Right In: 65.857+/-46.477 χ^2/NDF: 15.7/15

Left Out: -232.463+/-80.624 χ^2/NDF:17.7/21

Right Out: 27.406+/-50.249 χ^2/NDF: 18.0/18

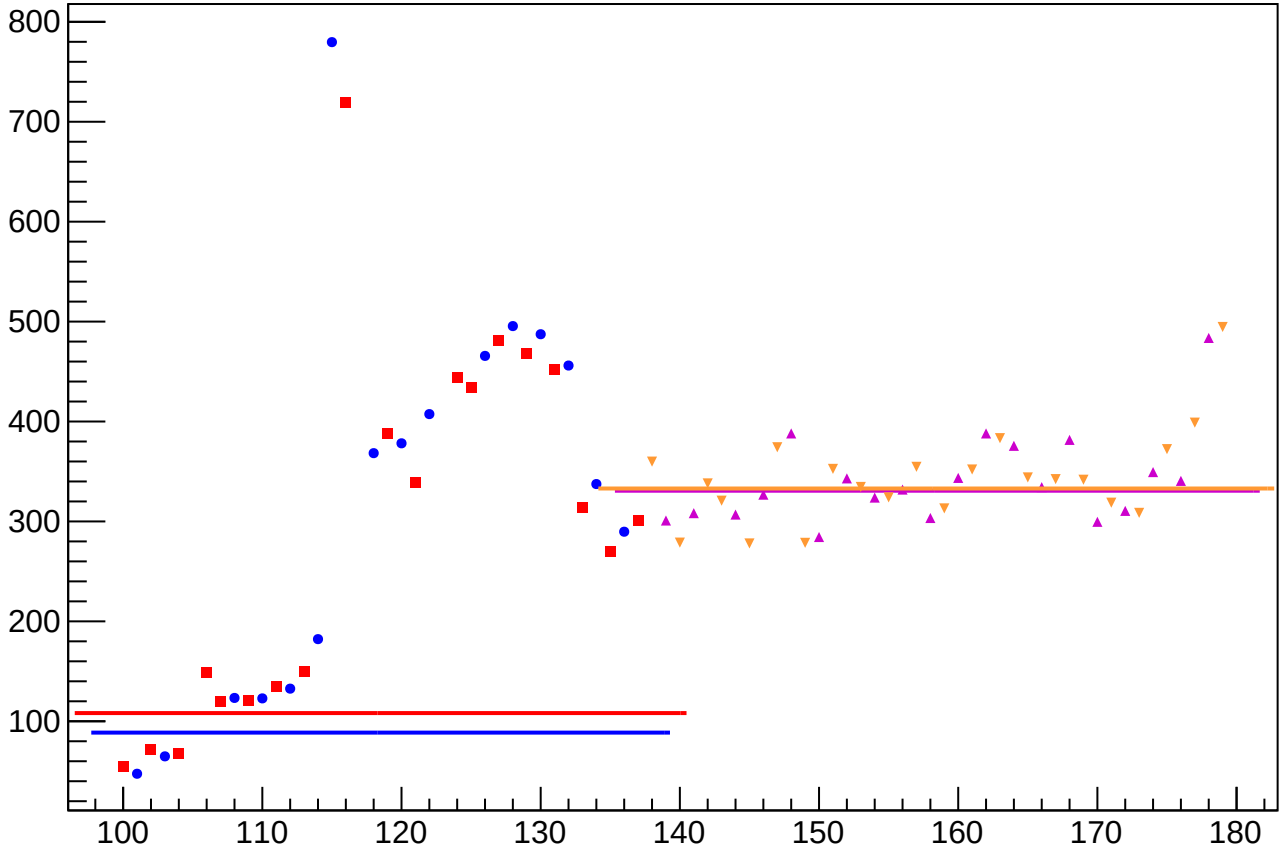
Left In: -36.003+/-82.691 χ^2/NDF:29.6/19

+ sign -8.553+/-40.266 χ^2/NDF: 43.6/37

All: 0.271+/-29.373 χ^2/NDF: 91.8/76

- sign 10.306+/-42.942 χ^2/NDF: 48.1/38

asym_sam_15_avg_cor_correction_rms vs Slug



Right In: 88.655+/-0.033 χ^2/NDF: 6648135.5/15

Left Out: 332.952+/-0.057 χ^2/NDF:523584.9/21

Right Out: 108.207+/-0.036 χ^2/NDF: 5354864.8/18

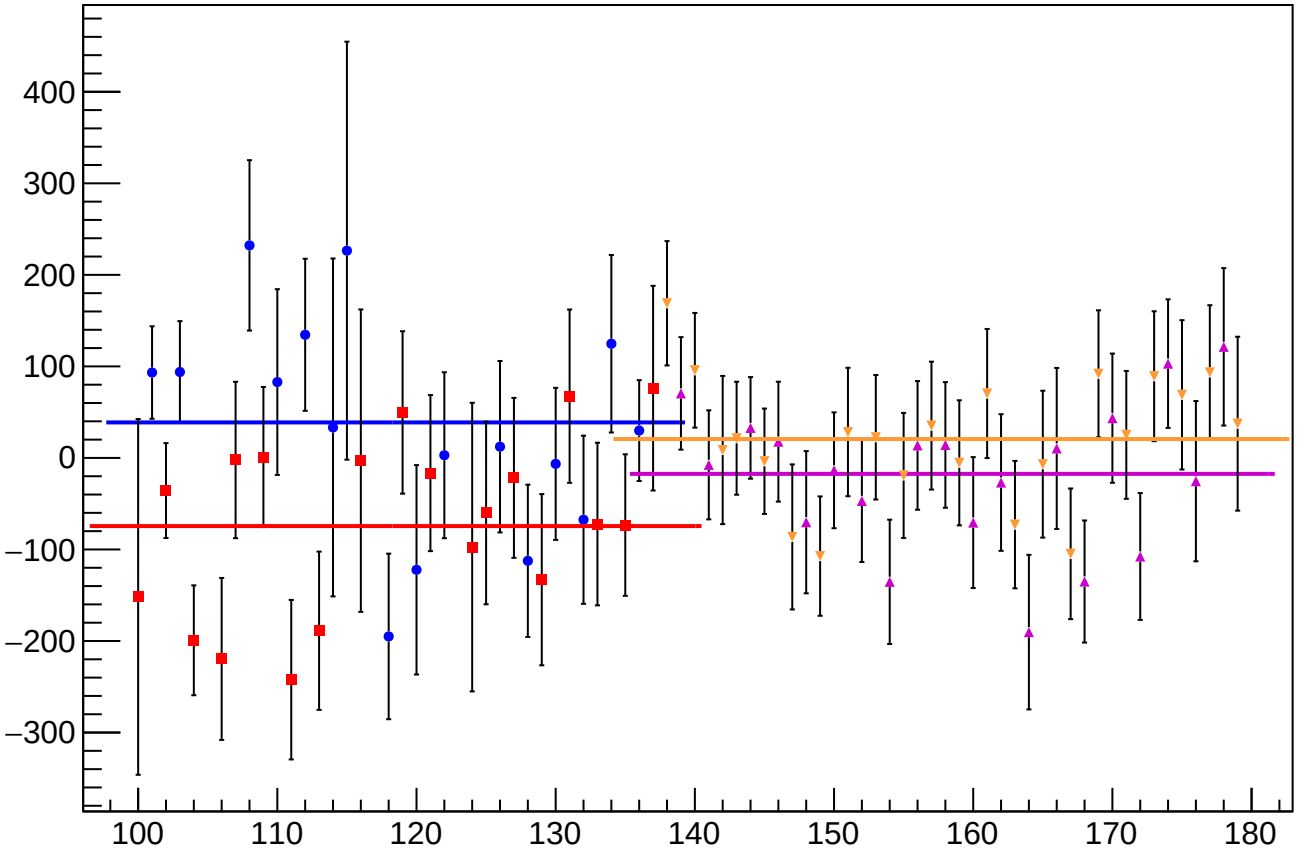
Left In: 330.741+/-0.058 χ^2/NDF:410030.6/19

+ sign 149.590+/-0.028 χ^2/NDF: 20954310.0/37

All: 158.306+/-0.021 χ^2/NDF: 37497954.3/76

- sign 168.219+/-0.030 χ^2/NDF: 16343351.3/38

eigen_cor_asym_sam_15_avg_mean vs Slug



Right In: 38.794+/-20.413 χ^2/NDF: 23.3/15

Left Out: 20.631+/-14.985 χ^2/NDF:21.5/21

Right Out: -74.442+/-19.803 χ^2/NDF: 22.3/18

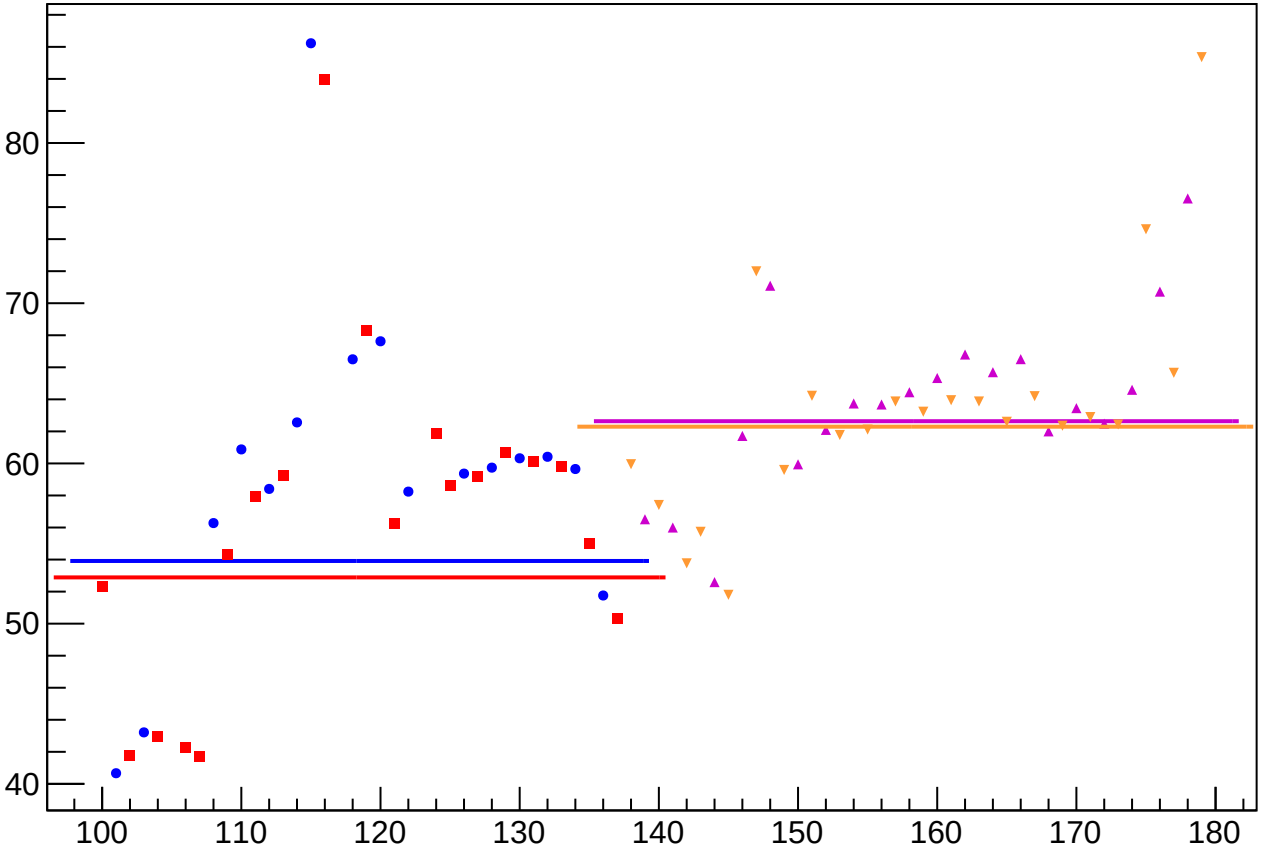
Left In: -17.426+/-15.573 χ^2/NDF:23.2/19

+ sign 26.991+/-12.080 χ^2/NDF: 45.3/37

All: -5.671+/-8.598 χ^2/NDF: 110.8/76

- sign -39.213+/-12.241 χ^2/NDF: 50.7/38

eigen_cor_asym_sam_15_avg_rms vs Slug



Right In: 53.912+/-0.014 χ^2/NDF: 393260.8/15

Left Out: 62.295+/-0.011 χ^2/NDF:333669.8/21

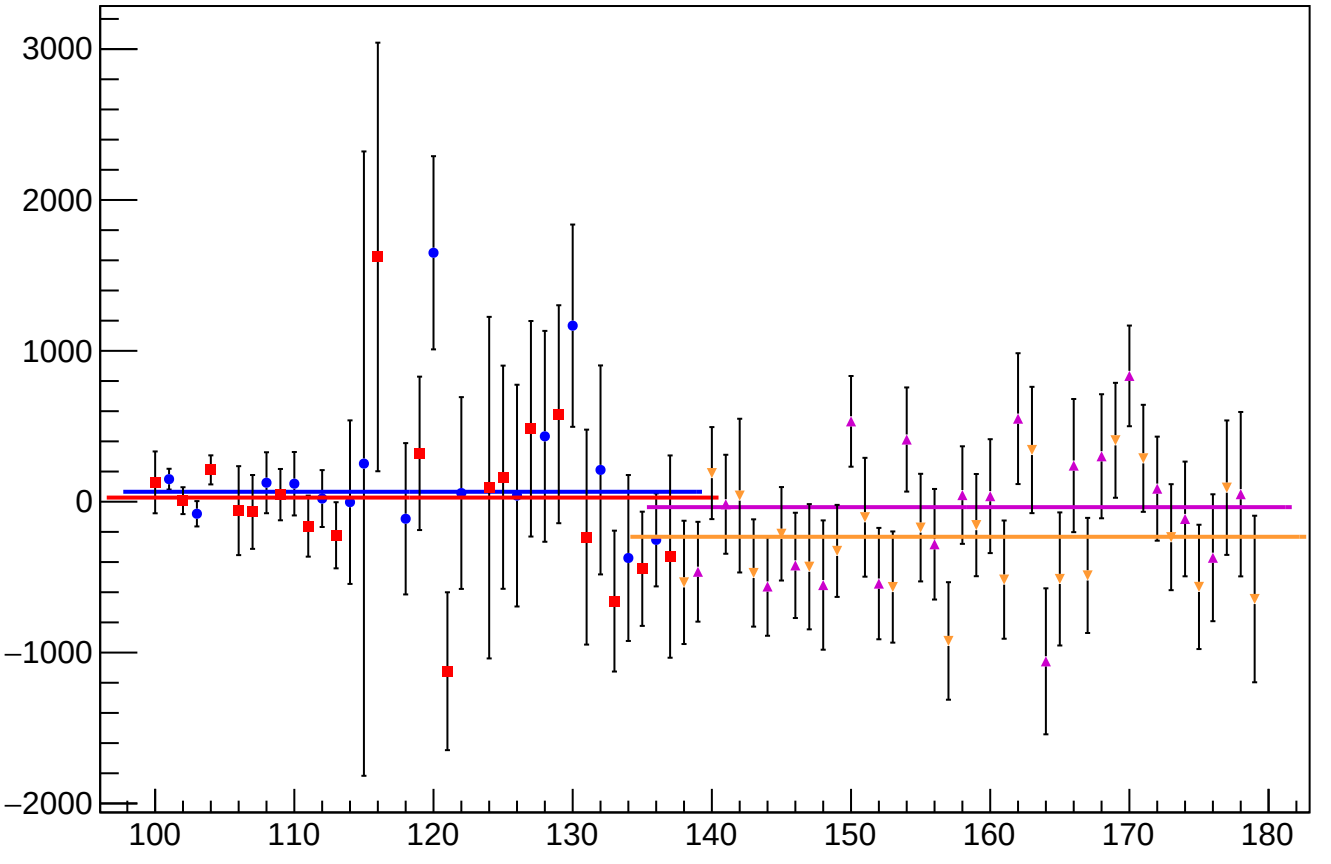
Right Out: 52.887+/-0.014 χ^2/NDF: 425534.3/18

Left In: 62.636+/-0.011 χ^2/NDF:227310.7/19

+ sign 59.359+/-0.009 χ^2/NDF: 946077.9/37

All: 59.138+/-0.006 χ^2/NDF: 1899815.2/76

- sign 58.911+/-0.009 χ^2/NDF: 952377.6/38



Right In: 65.857+/-46.477 χ^2/NDF: 15.7/15

Left Out: -232.463+/-80.624 χ^2/NDF:17.7/21

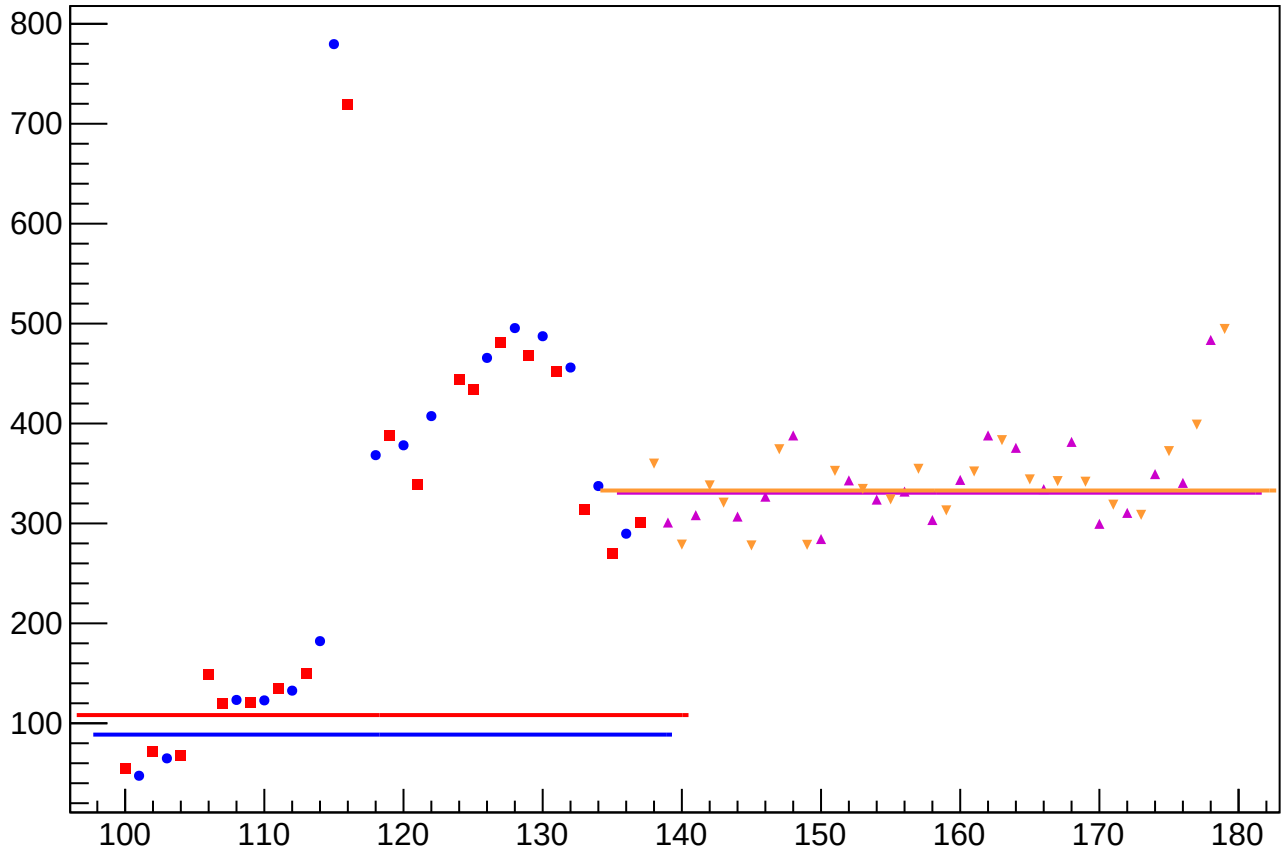
Right Out: 27.406+/-50.249 χ^2/NDF: 18.0/18

Left In: -36.003+/-82.691 χ^2/NDF:29.6/19

+ sign -8.553+/-40.266 χ^2/NDF: 43.6/37

All: 0.271+/-29.373 χ^2/NDF: 91.8/76

- sign 10.306+/-42.942 χ^2/NDF: 48.1/38



Right In: 88.655+/-0.033 χ^2/NDF: 6648135.5/15

Left Out: 332.952+/-0.057 χ^2/NDF:523584.9/21

Right Out: 108.207+/-0.036 χ^2/NDF: 5354864.8/18

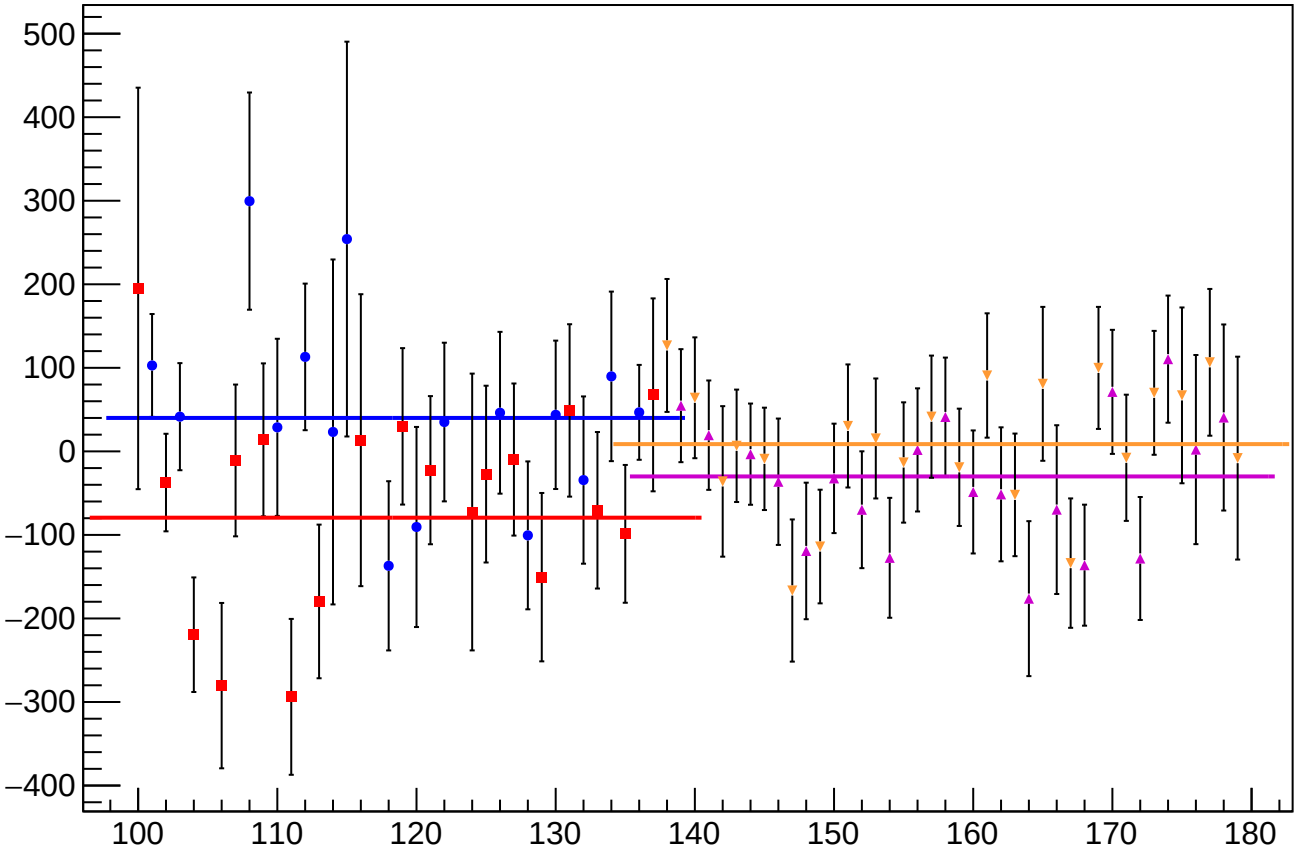
Left In: 330.741+/-0.058 χ^2/NDF:410030.6/19

+ sign 149.590+/-0.028 χ^2/NDF: 20954310.0/37

All: 158.306+/-0.021 χ^2/NDF: 37497954.3/76

- sign 168.219+/-0.030 χ^2/NDF: 16343351.3/38

dit_asym_sam_15_avg_mean vs Slug



Right In: 40.030+/-22.515 χ^2/NDF: 14.1/15

Left Out: 8.687+/-16.312 χ^2/NDF:20.9/21

Right Out: -79.378+/-21.577 χ^2/NDF: 24.8/18

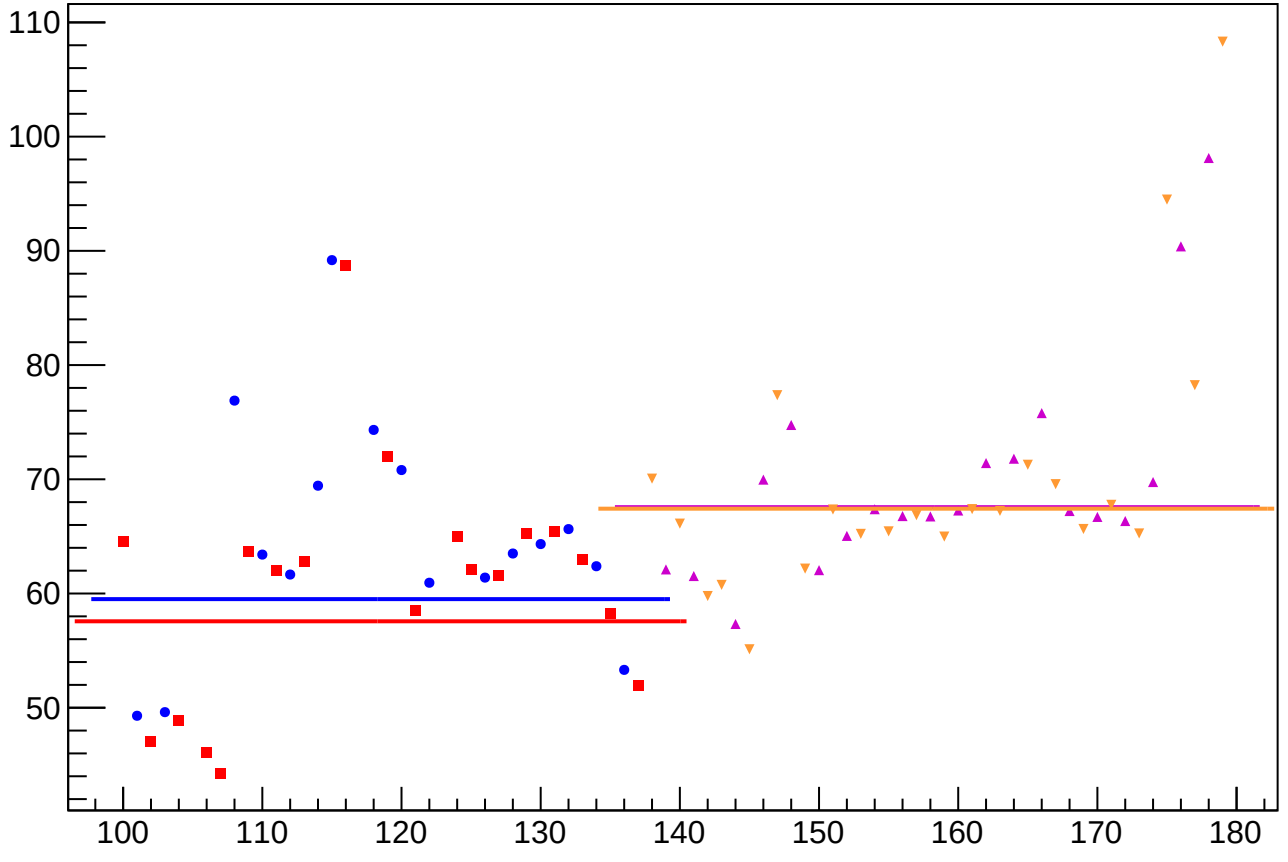
Left In: -30.010+/-16.891 χ^2/NDF:19.3/19

+ sign 19.477+/-13.210 χ^2/NDF: 36.3/37

All: -14.412+/-9.373 χ^2/NDF: 97.0/76

- sign -48.768+/-13.300 χ^2/NDF: 47.4/38

dit_asym_sam_15_avg_rms vs Slug



Right In: 59.509+/-0.016 χ^2/NDF: 283192.7/15

Left Out: 67.427+/-0.012 χ^2/NDF:560151.4/21

Right Out: 57.567+/-0.015 χ^2/NDF: 347377.8/18

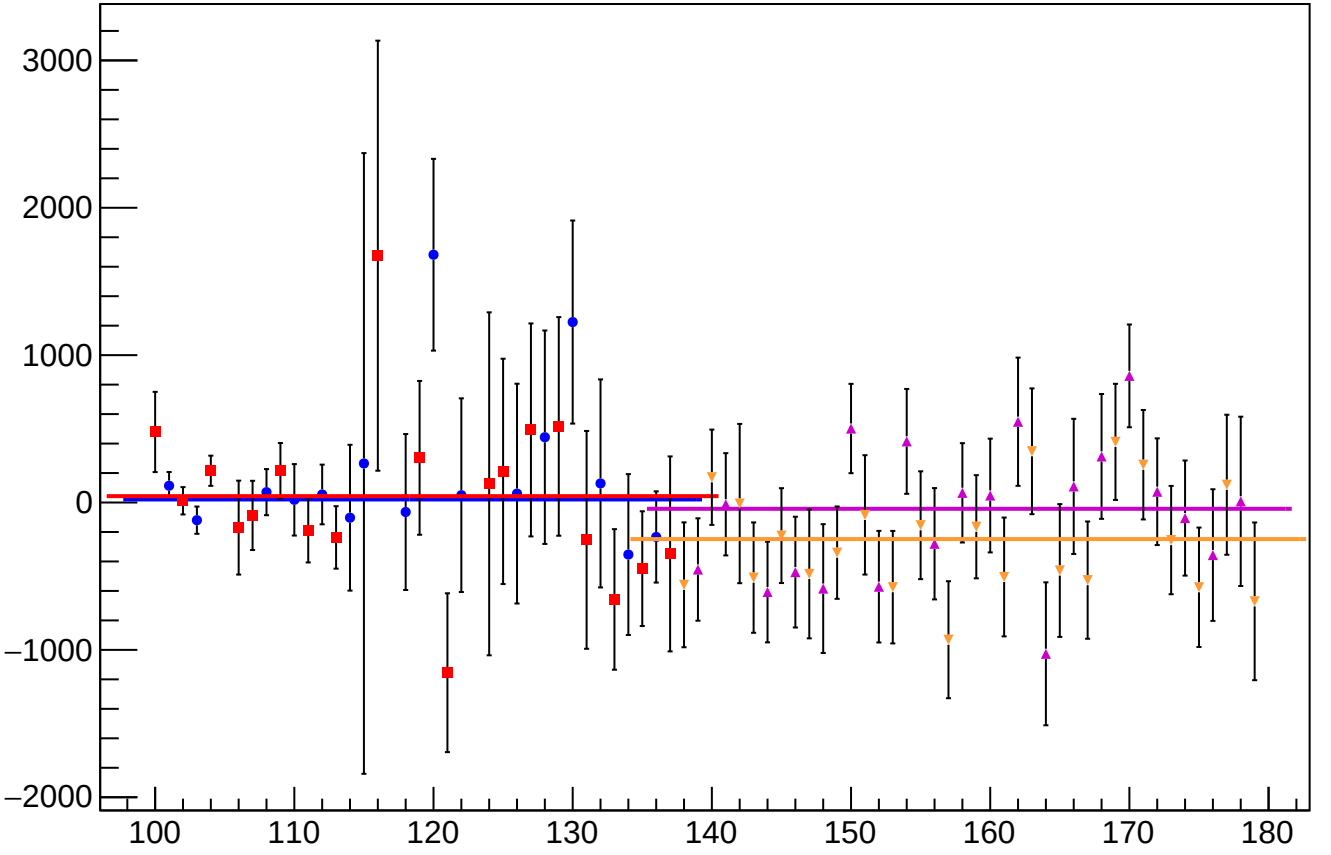
Left In: 67.562+/-0.012 χ^2/NDF:378458.1/19

+ sign 64.701+/-0.009 χ^2/NDF: 1005566.4/37

All: 64.236+/-0.007 χ^2/NDF: 2002493.2/76

- sign 63.764+/-0.009 χ^2/NDF: 991928.1/38

asym_sam_15_avg_dit_correction_mean vs Slug



Right In: 20.840+/-53.585 χ^2/NDF: 14.6/15

Left Out: -248.005+/-83.416 χ^2/NDF:16.9/21

Right Out: 43.262+/-53.210 χ^2/NDF: 21.5/18

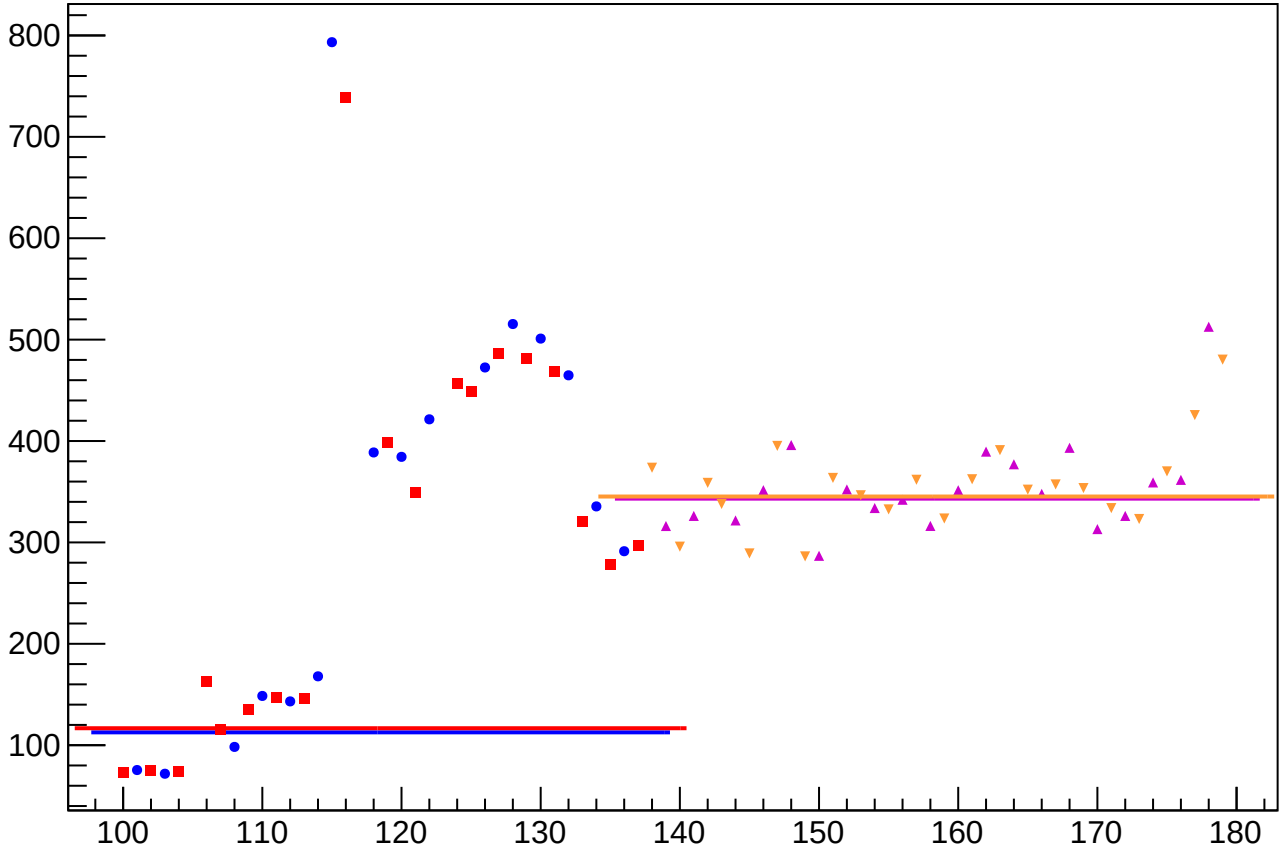
Left In: -42.669+/-85.722 χ^2/NDF:28.5/19

\+ sign -57.693+/-45.084 χ^2/NDF: 38.8/37

All: -19.272+/-31.923 χ^2/NDF: 91.0/76

\- sign 19.361+/-45.209 χ^2/NDF: 50.7/38

asym_sam_15_avg_dit_correction_rms vs Slug



Right In: 112.668+/-0.038 χ^2/NDF: 5599655.1/15

Left Out: 345.258+/-0.059 χ^2/NDF:464147.0/21

Right Out: 116.733+/-0.038 χ^2/NDF: 5141387.7/18

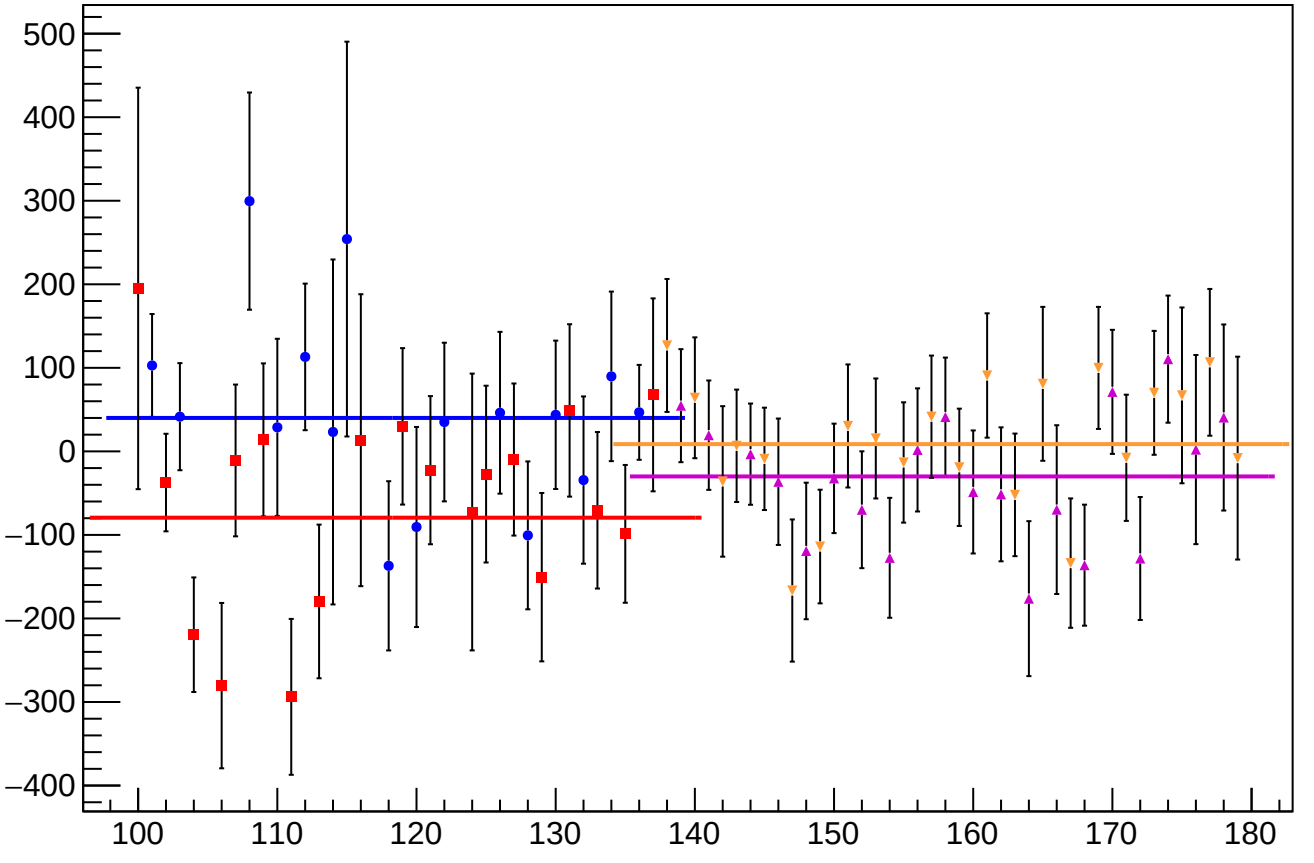
Left In: 343.175+/-0.061 χ^2/NDF:401441.9/19

+ sign 180.611+/-0.032 χ^2/NDF: 17070891.2/37

All: 180.164+/-0.023 χ^2/NDF: 32688494.7/76

- sign 179.715+/-0.032 χ^2/NDF: 15617210.2/38

eigen_dit_asym_sam_15_avg_mean vs Slug



Right In: 40.030+/-22.515 χ^2/NDF: 14.1/15

Left Out: 8.688+/-16.312 χ^2/NDF:20.9/21

Right Out: -79.378+/-21.577 χ^2/NDF: 24.8/18

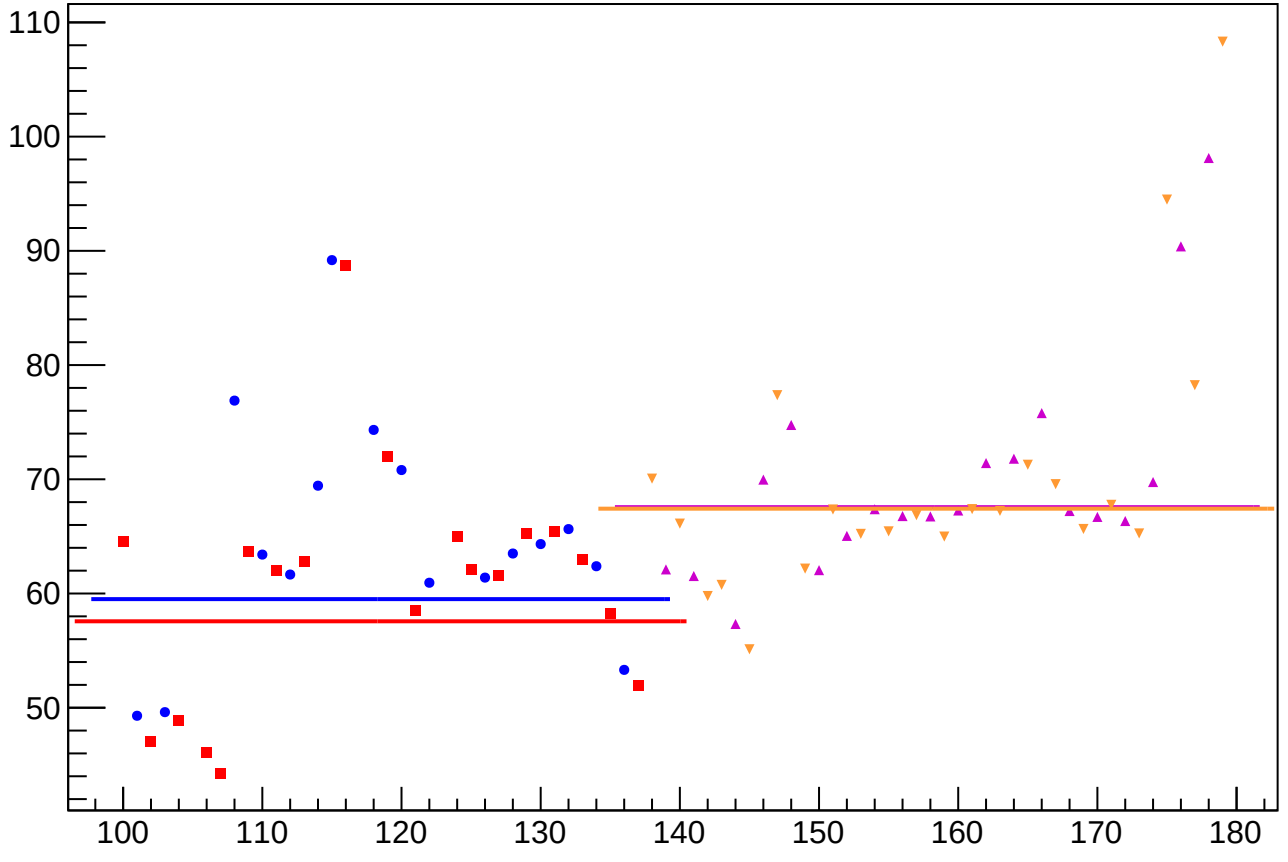
Left In: -30.010+/-16.891 χ^2/NDF:19.3/19

+ sign 19.477+/-13.210 χ^2/NDF: 36.3/37

All: -14.412+/-9.373 χ^2/NDF: 97.0/76

- sign -48.768+/-13.300 χ^2/NDF: 47.4/38

eigen_dit_asym_sam_15_avg_rms vs Slug



Right In: 59.509+/-0.016 χ^2/NDF: 283190.4/15

Left Out: 67.427+/-0.012 χ^2/NDF:560140.0/21

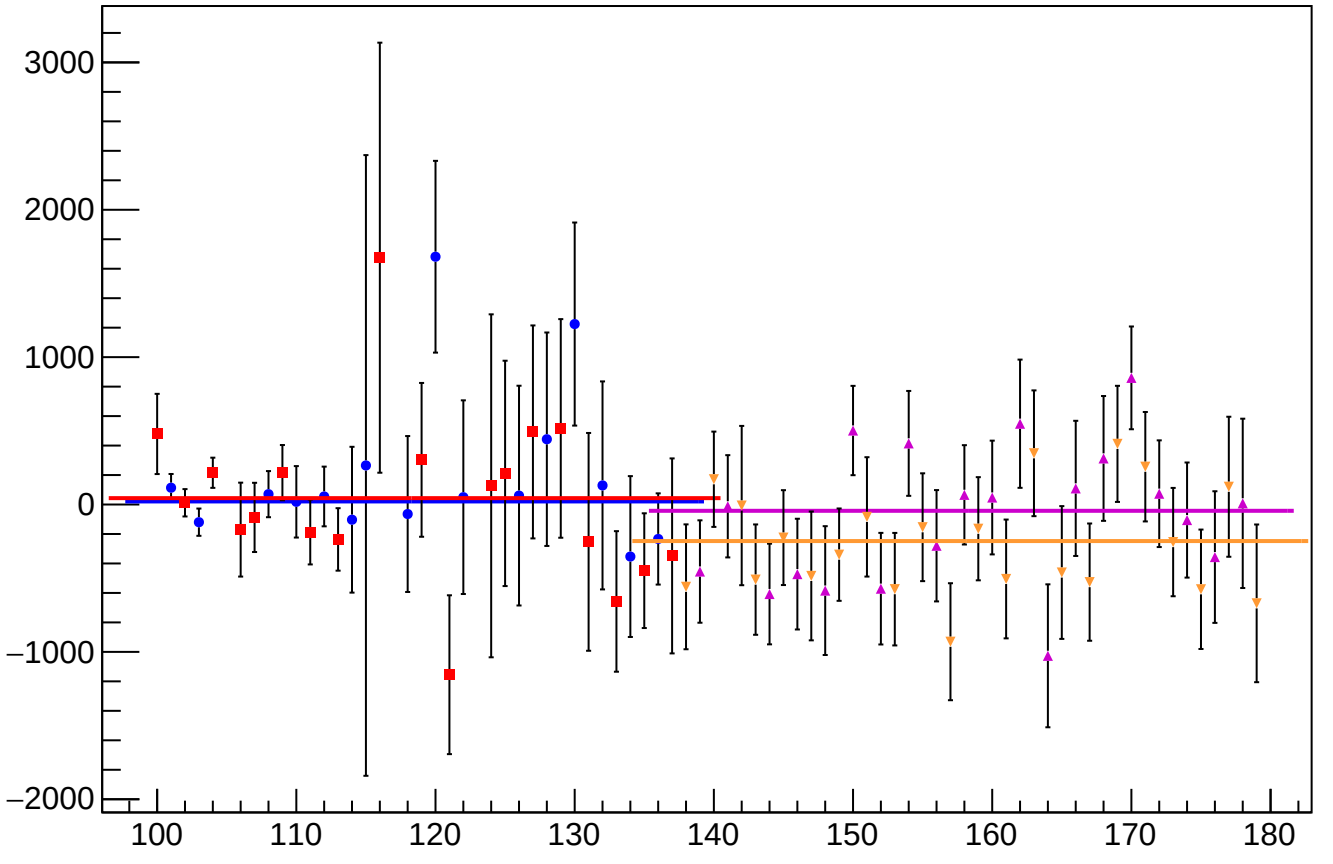
Right Out: 57.567+/-0.015 χ^2/NDF: 347374.2/18

Left In: 67.562+/-0.012 χ^2/NDF:378440.7/19

+ sign 64.701+/-0.009 χ^2/NDF: 1005560.1/37

All: 64.236+/-0.007 χ^2/NDF: 2002477.2/76

- sign 63.764+/-0.009 χ^2/NDF: 991918.7/38



Right In: 20.840+/-53.585 χ^2/NDF: 14.6/15

Left Out: -248.004+/-83.417 χ^2/NDF:16.9/21

Right Out: 43.262+/-53.210 χ^2/NDF: 21.5/18

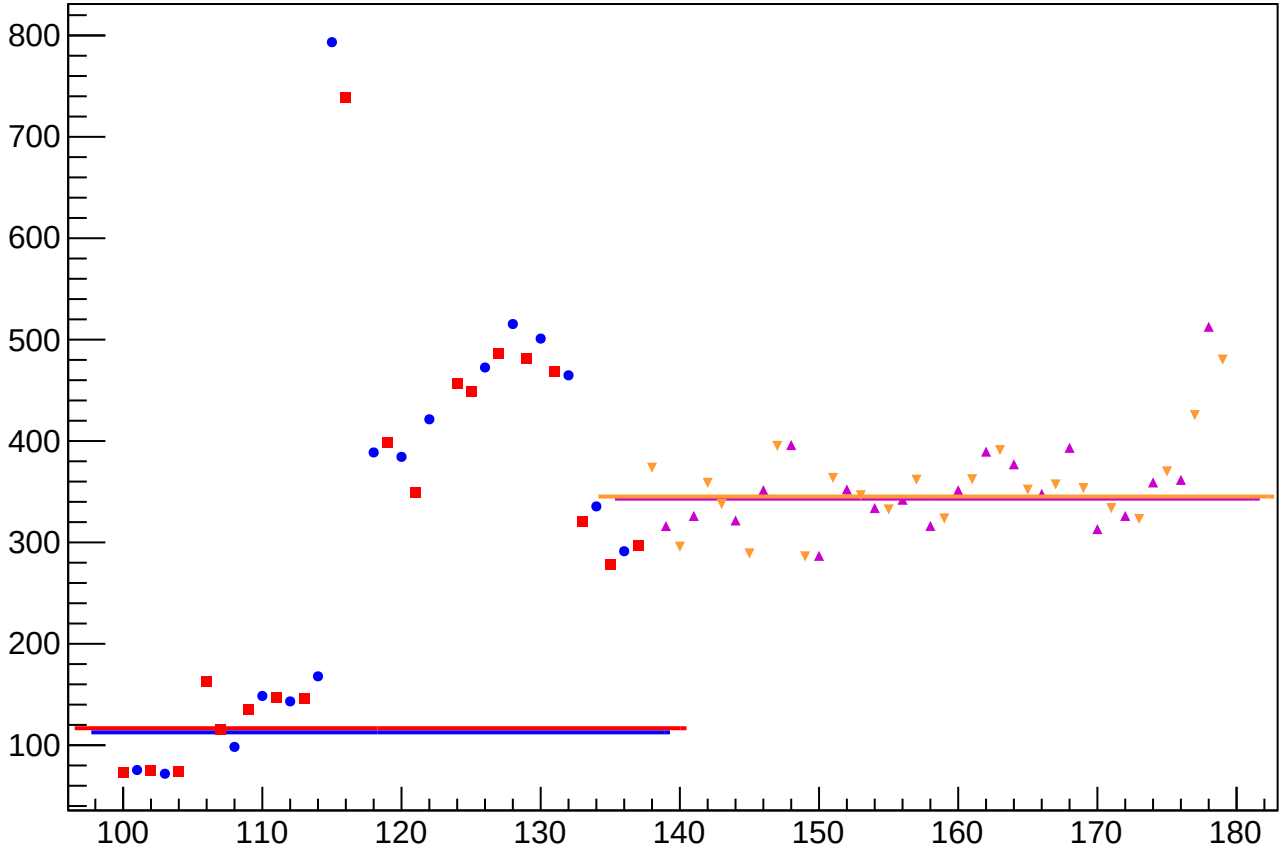
Left In: -42.669+/-85.722 χ^2/NDF:28.5/19

\+ sign -57.693+/-45.084 χ^2/NDF: 38.8/37

All: -19.272+/-31.923 χ^2/NDF: 91.0/76

\- sign 19.361+/-45.209 χ^2/NDF: 50.7/38

asym_sam_15_avg_eigen_dit_correction_rms vs Slug



Right In: 112.668+/-0.038 χ^2/NDF: 5599653.6/15

Left Out: 345.259+/-0.059 χ^2/NDF:464142.1/21

Right Out: 116.732+/-0.038 χ^2/NDF: 5141390.3/18

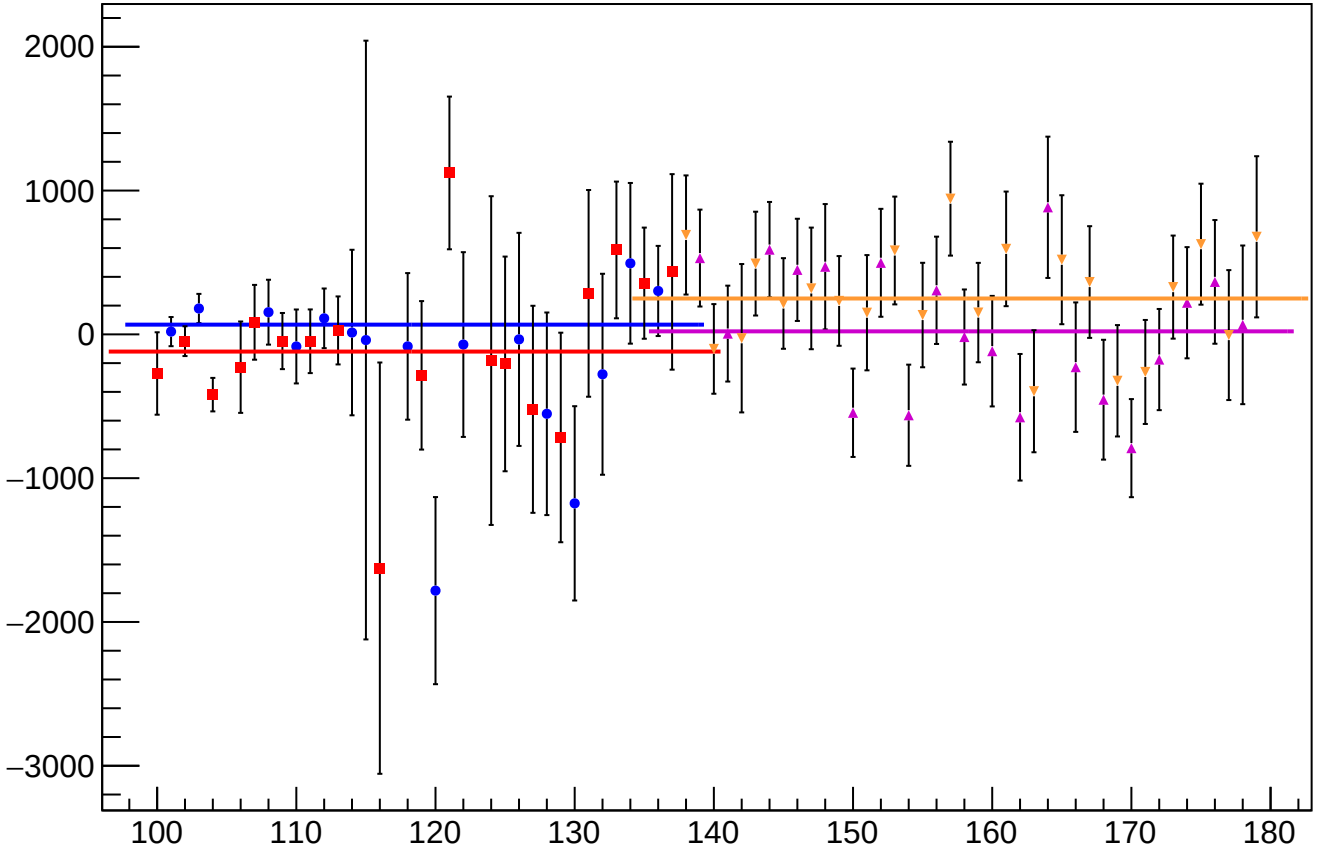
Left In: 343.176+/-0.061 χ^2/NDF:401435.0/19

+ sign 180.610+/-0.032 χ^2/NDF: 17070951.2/37

All: 180.164+/-0.023 χ^2/NDF: 32688627.3/76

- sign 179.715+/-0.032 χ^2/NDF: 15617282.7/38

asym_sam_15_avg_mean vs Slug



Right In: 67.621+/-59.169 χ^2/NDF: 15.8/15

Left Out: 249.425+/-82.074 χ^2/NDF:16.7/21

Right Out: -119.635+/-57.941 χ^2/NDF: 21.1/18

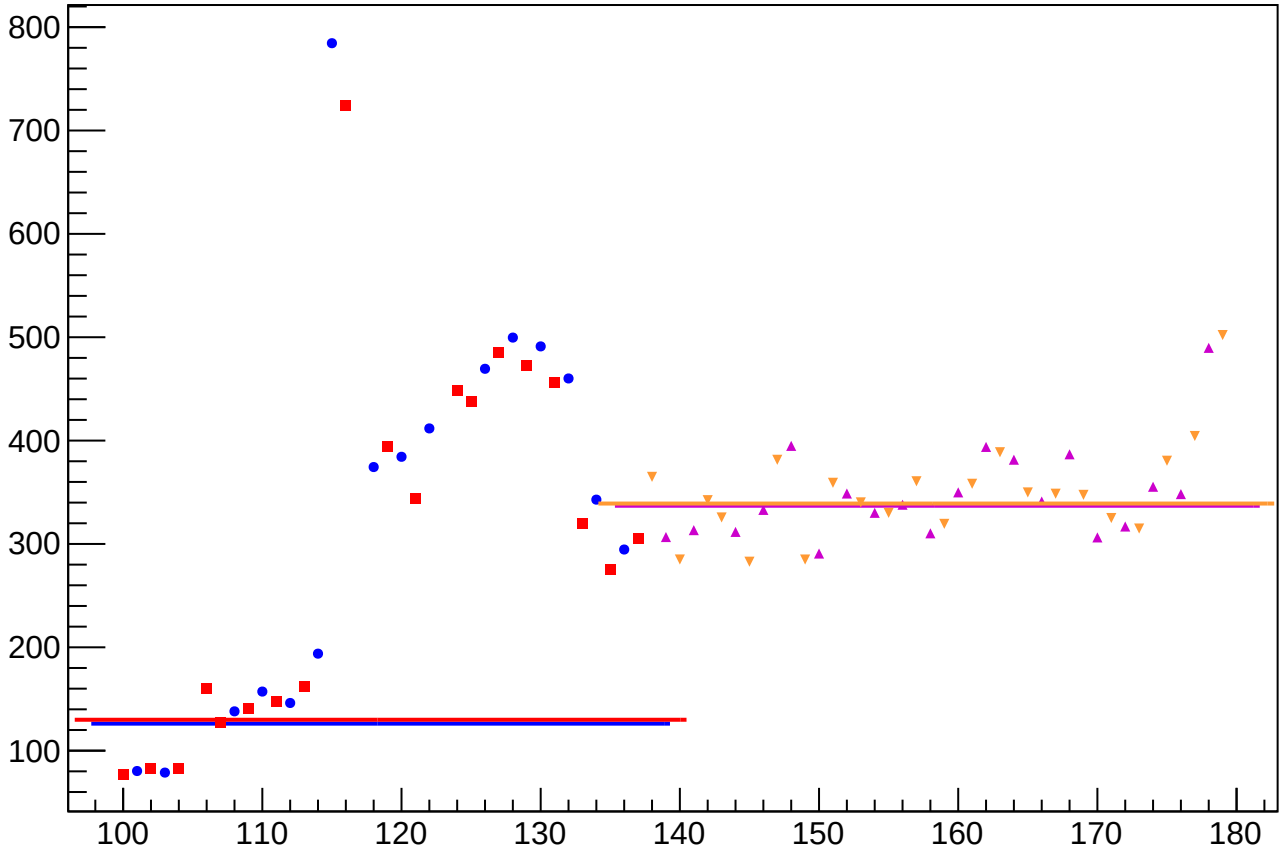
Left In: 20.949+/-84.216 χ^2/NDF:29.6/19

+ sign 129.796+/-47.997 χ^2/NDF: 35.7/37

All: 27.105+/-33.846 χ^2/NDF: 97.5/76

- sign -74.468+/-47.735 χ^2/NDF: 52.7/38

asym_sam_15_avg_rms vs Slug



Right In: 126.154+/-0.042 χ^2/NDF: 5220128.2/15

Left Out: 339.089+/-0.058 χ^2/NDF:511601.0/21

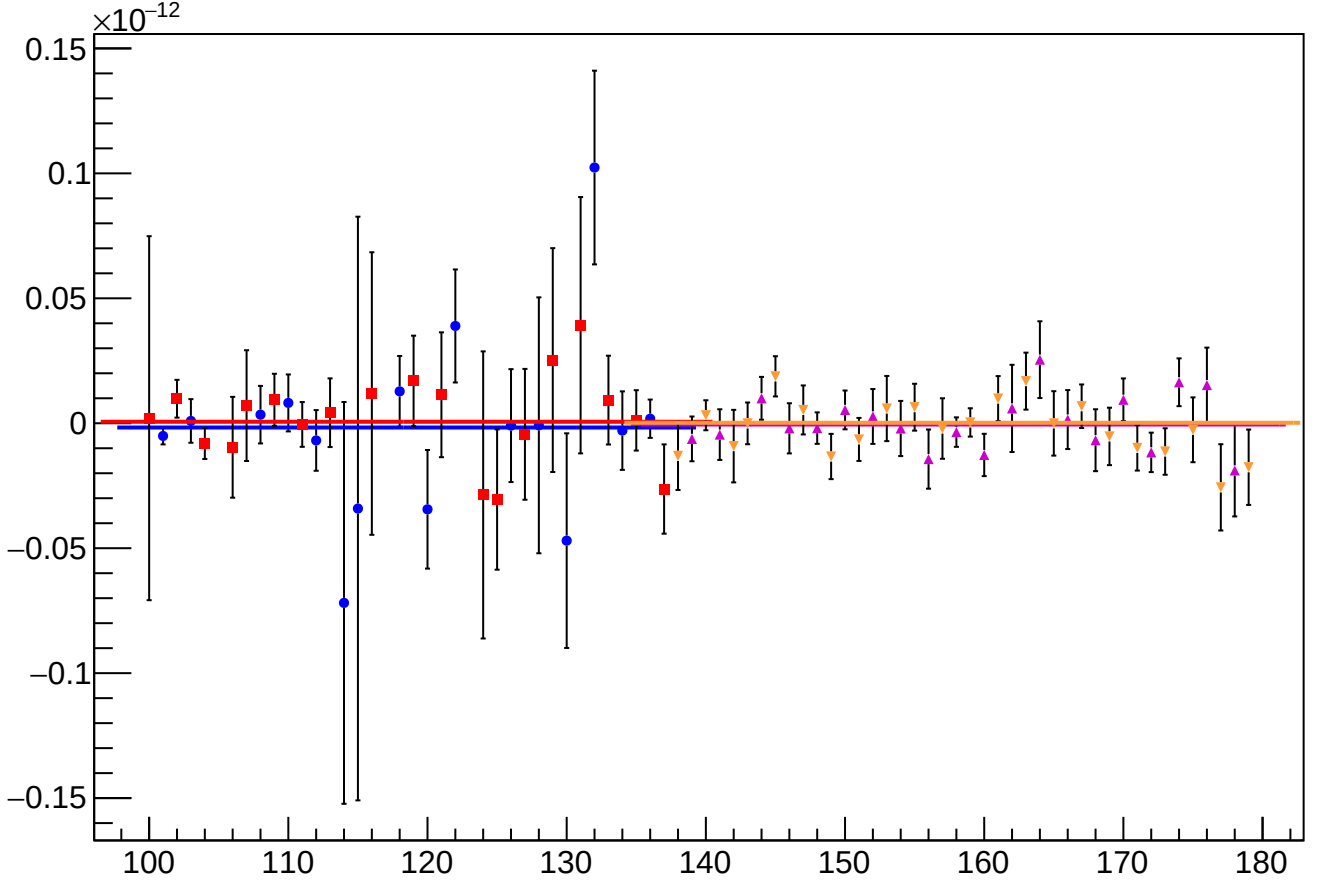
Right Out: 129.914+/-0.041 χ^2/NDF: 4647677.8/18

Left In: 336.971+/-0.060 χ^2/NDF:397236.8/19

+ sign 198.975+/-0.034 χ^2/NDF: 14589948.7/37

All: 197.699+/-0.024 χ^2/NDF: 27843314.8/76

- sign 196.437+/-0.034 χ^2/NDF: 13250555.4/38



Right In: -0.000+/-0.000 χ^2/NDF: 17.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:21.2/21

Right Out: 0.000+/-0.000 χ^2/NDF: 10.5/18

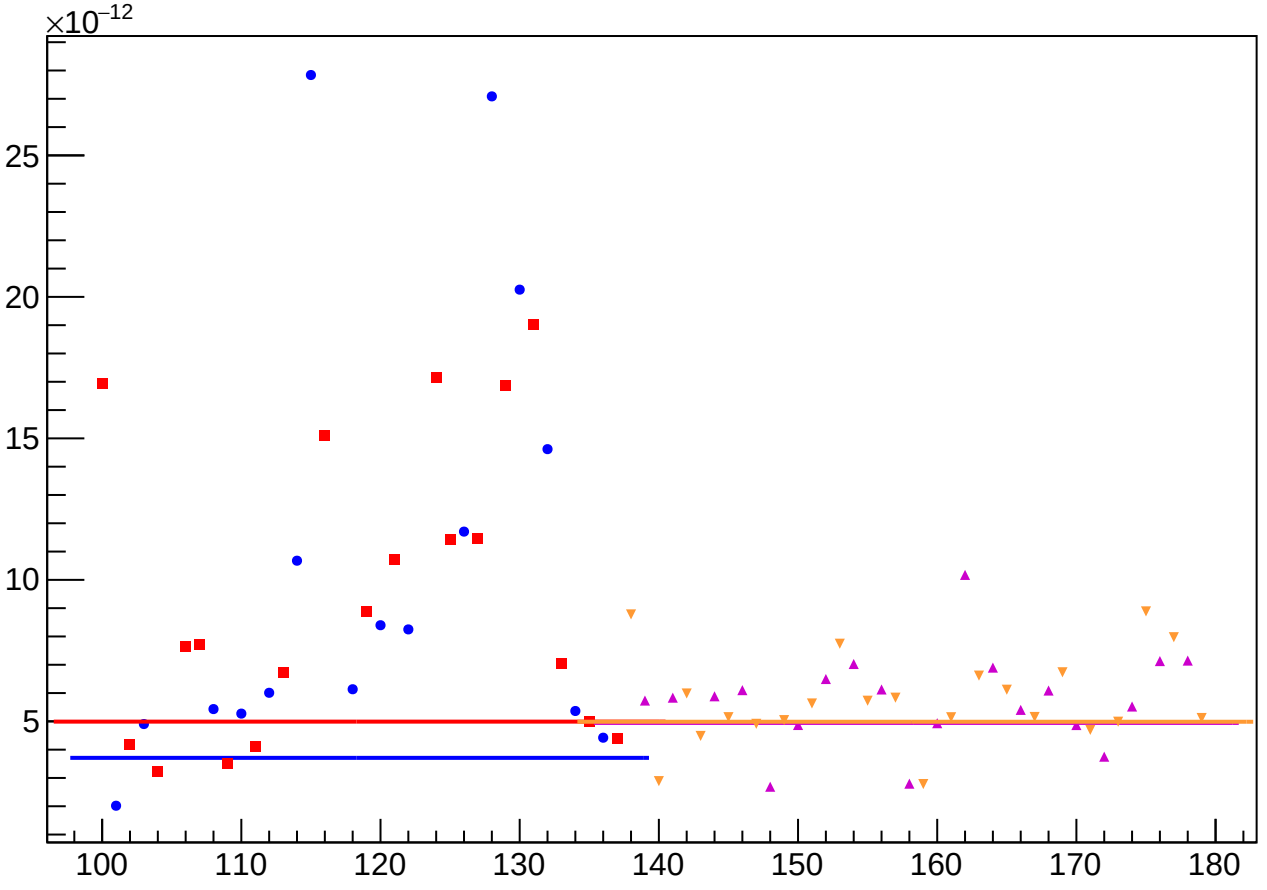
Left In: -0.000+/-0.000 χ^2/NDF:18.4/19

+ sign -0.000+/-0.000 χ^2/NDF: 39.3/37

All: -0.000+/-0.000 χ^2/NDF: 68.4/76

- sign -0.000+/-0.000 χ^2/NDF: 29.0/38

asym_sam_15_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2172466.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1187338.4/21

Right Out: 0.000+/-0.000 χ^2/NDF: 1295374.6/18

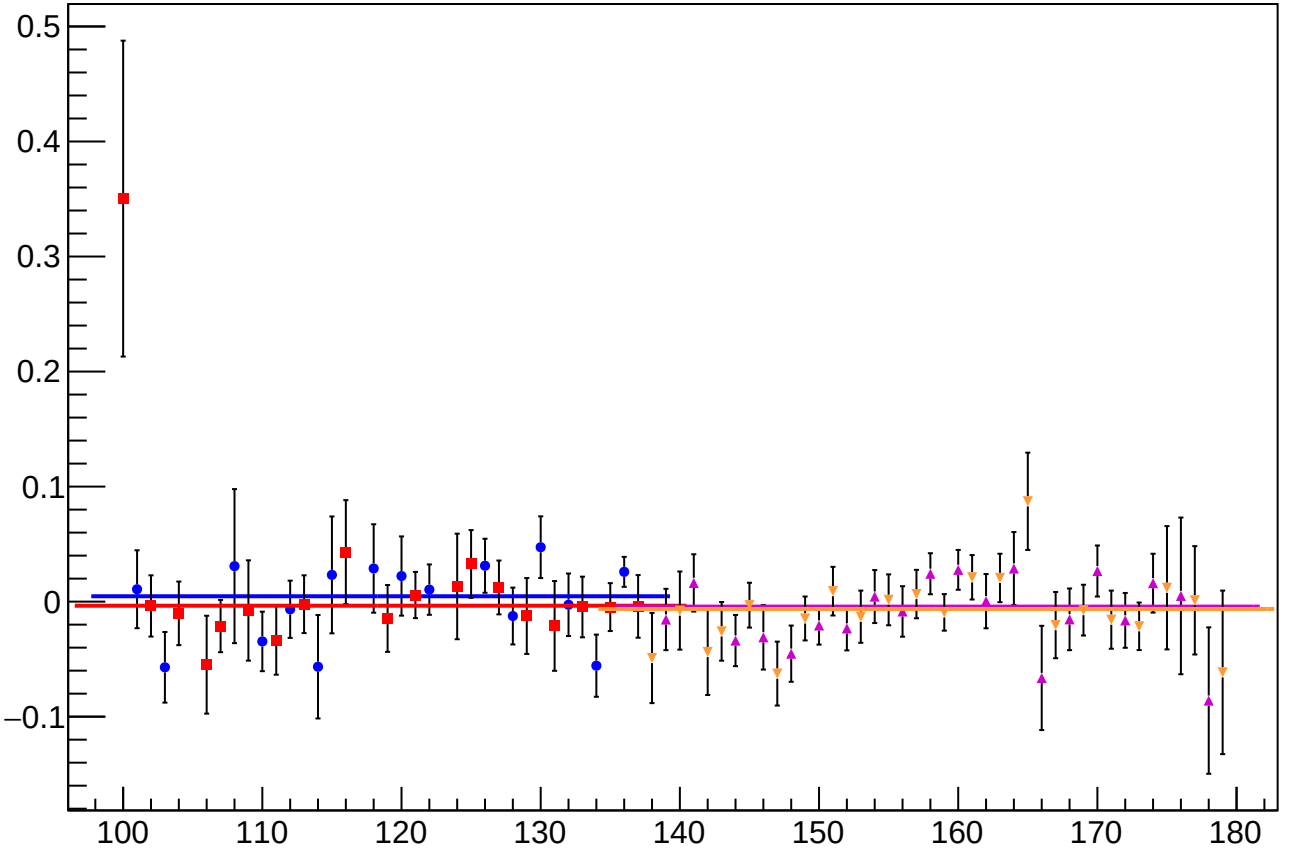
Left In: 0.000+/-0.000 χ^2/NDF:1091410.1/19

+ sign 0.000+/-0.000 χ^2/NDF: 3669522.0/37

All: 0.000+/-0.000 χ^2/NDF: 6135630.5/76

- sign 0.000+/-0.000 χ^2/NDF: 2387075.7/38

asym_sam_15_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.006+/-0.005 χ^2/NDF:18.5/21

Right Out: -0.004+/-0.007 χ^2/NDF: 13.6/18

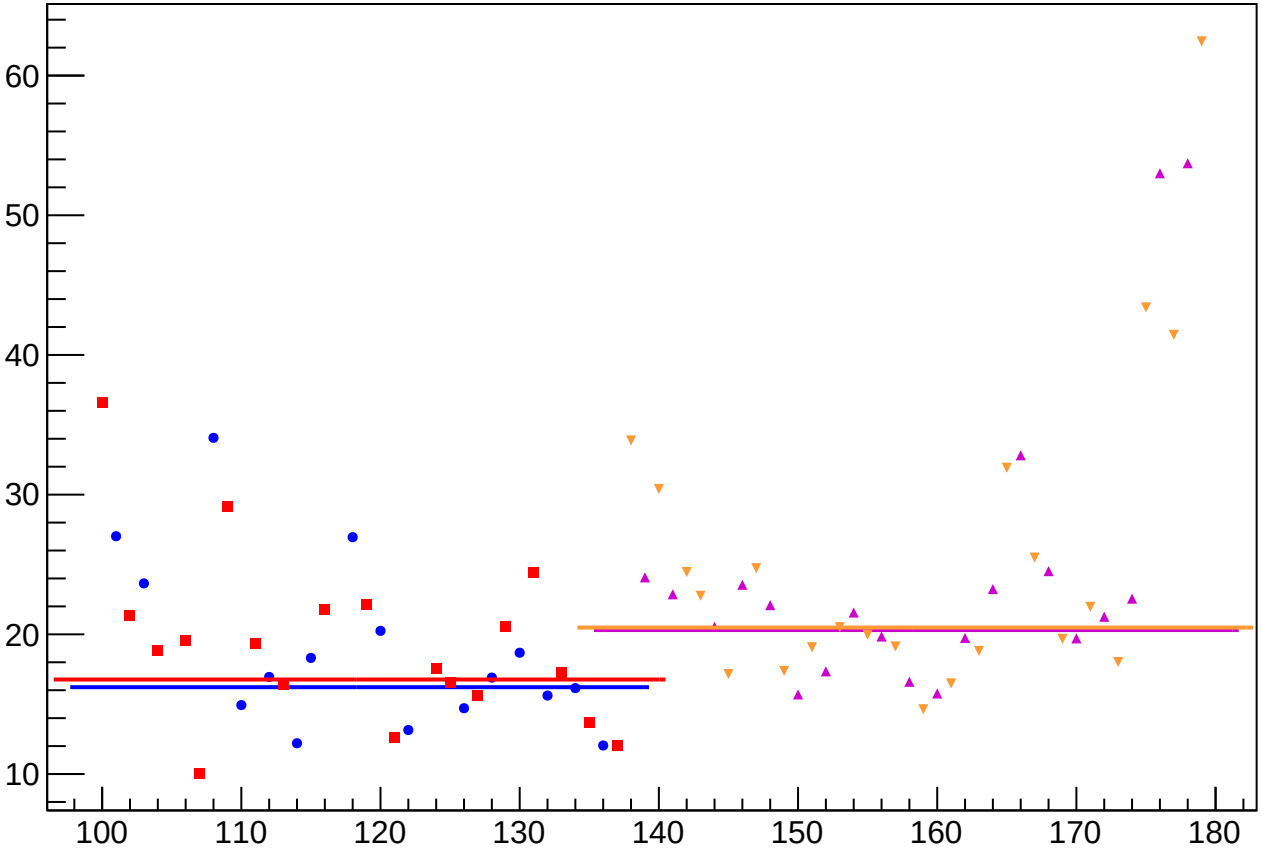
Left In: -0.004+/-0.005 χ^2/NDF:22.1/19

+ sign -0.002+/-0.004 χ^2/NDF: 41.6/37

All: -0.003+/-0.003 χ^2/NDF: 77.5/76

- sign -0.004+/-0.004 χ^2/NDF: 35.7/38

asym_sam_15_avg_dit_vs_cor_diff_rms vs Slug



Right In: 16.217+/-0.005 χ^2/NDF: 943864.9/15

Left Out: 20.485+/-0.004 χ^2/NDF:2692113.4/21

Right Out: 16.766+/-0.005 χ^2/NDF: 866715.7/18

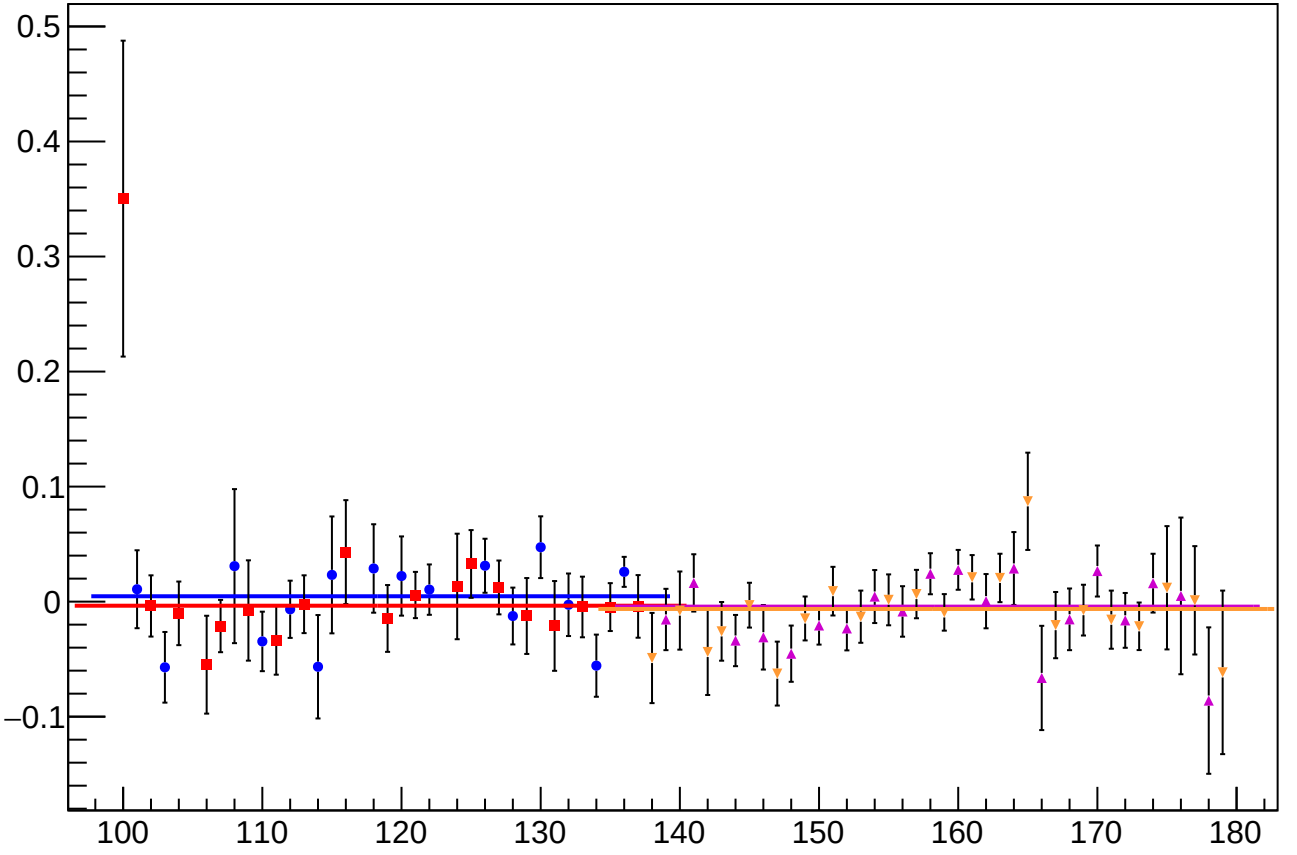
Left In: 20.307+/-0.004 χ^2/NDF:1783071.4/19

+ sign 18.828+/-0.003 χ^2/NDF: 4153144.8/37

All: 18.871+/-0.002 χ^2/NDF: 7150214.8/76

- sign 18.917+/-0.003 χ^2/NDF: 2996603.2/38

asym_sam_15_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.006+/-0.005 χ^2/NDF:18.5/21

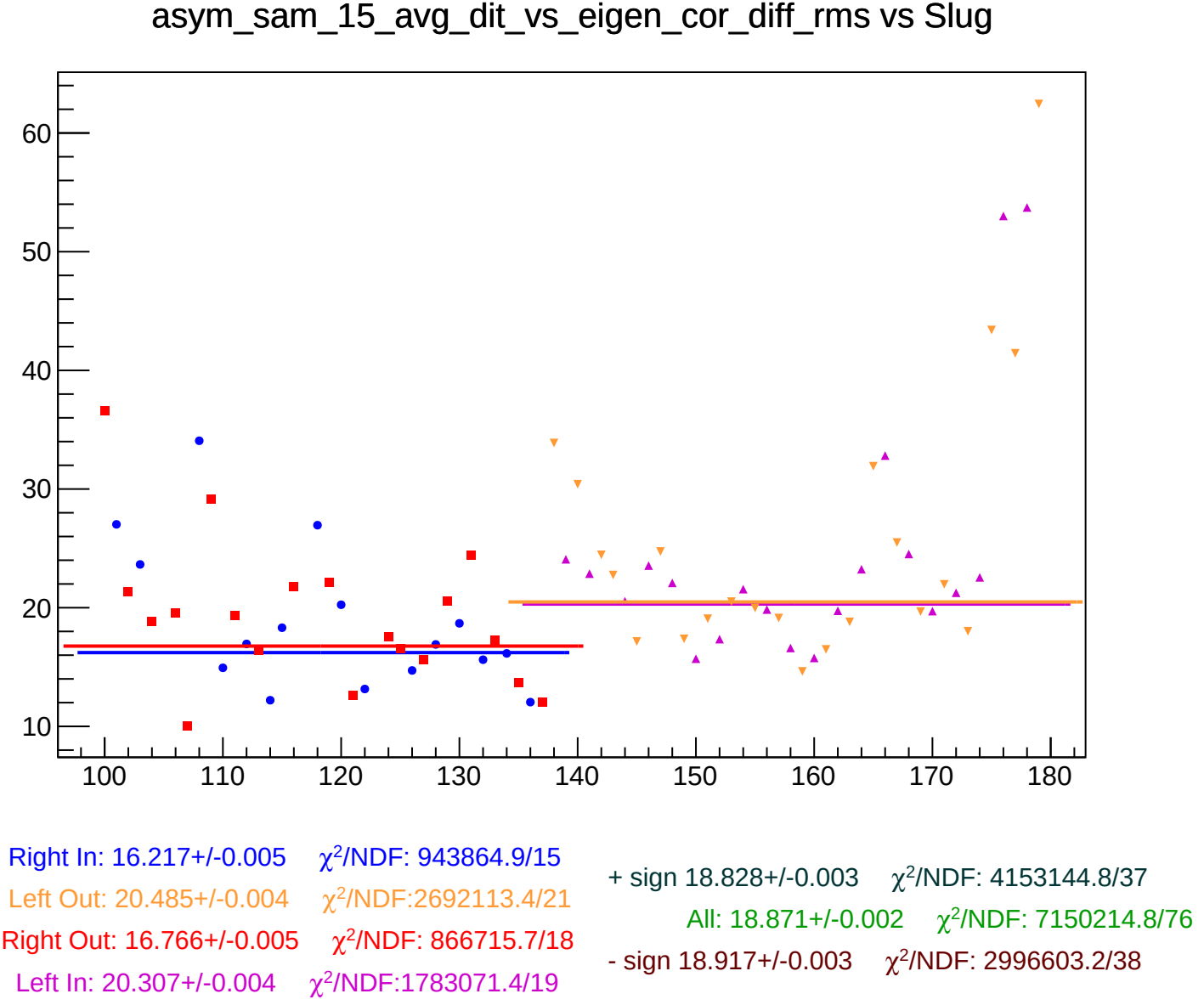
Right Out: -0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: -0.004+/-0.005 χ^2/NDF:22.1/19

+ sign -0.002+/-0.004 χ^2/NDF: 41.6/37

All: -0.003+/-0.003 χ^2/NDF: 77.5/76

- sign -0.004+/-0.004 χ^2/NDF: 35.7/38


asym_sam_15_avg_dit_vs_eigen_cor_diff_rms vs Slug
60
50
40
30
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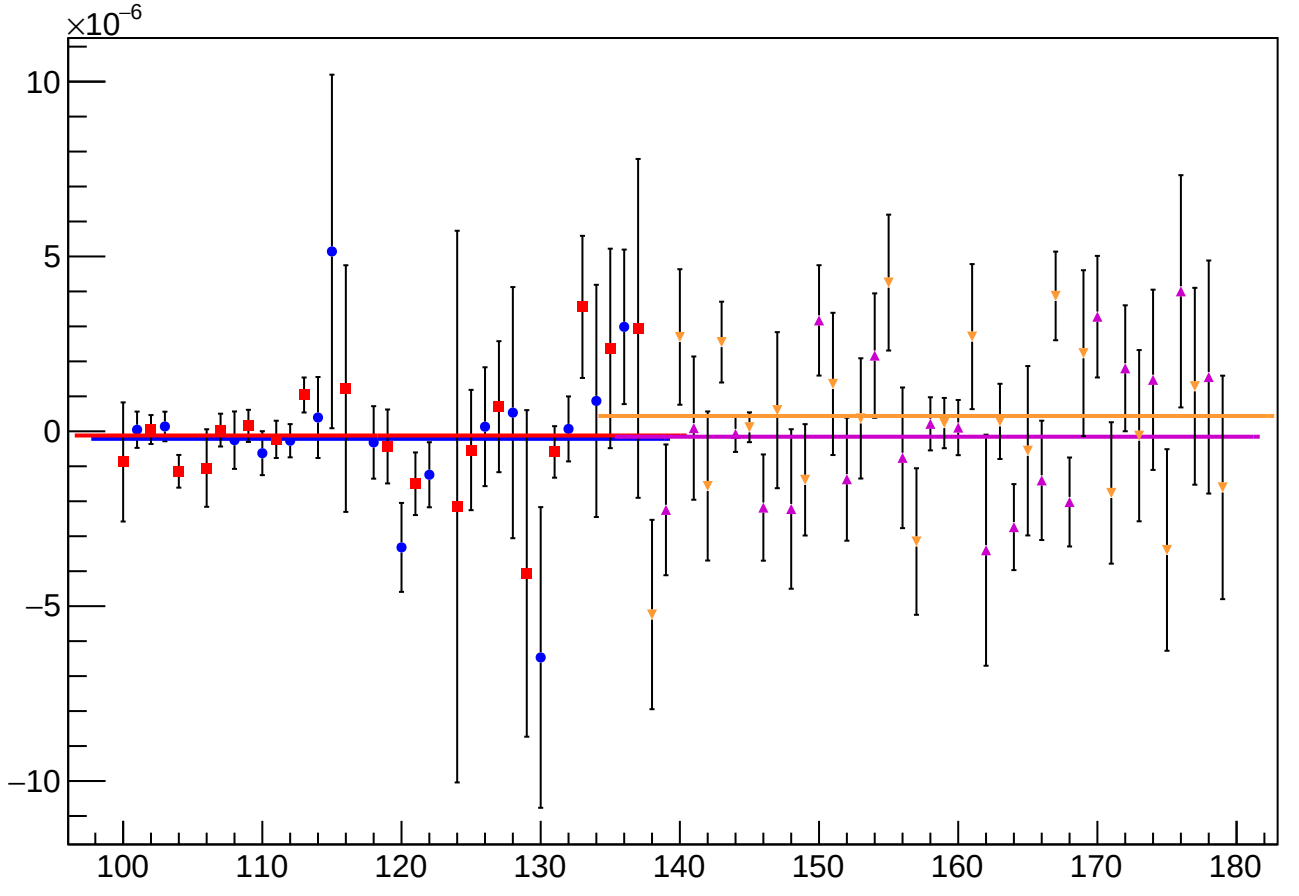
10
100
110
120
130
140
150
160
170
180
Right In: 16.217+/-0.005 χ²/NDF: 943864.9/15
Left Out: 20.485+/-0.004 χ²/NDF:2692113.4/21
Right Out: 16.766+/-0.005 χ²/NDF: 866715.7/18
Left In: 20.307+/-0.004 χ²/NDF:1783071.4/19
+ sign 18.828+/-0.003 χ²/NDF: 4153144.8/37
All: 18.871+/-0.002 χ²/NDF: 7150214.8/76
- sign 18.917+/-0.003 χ²/NDF: 2996603.2/38



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:31.8/21

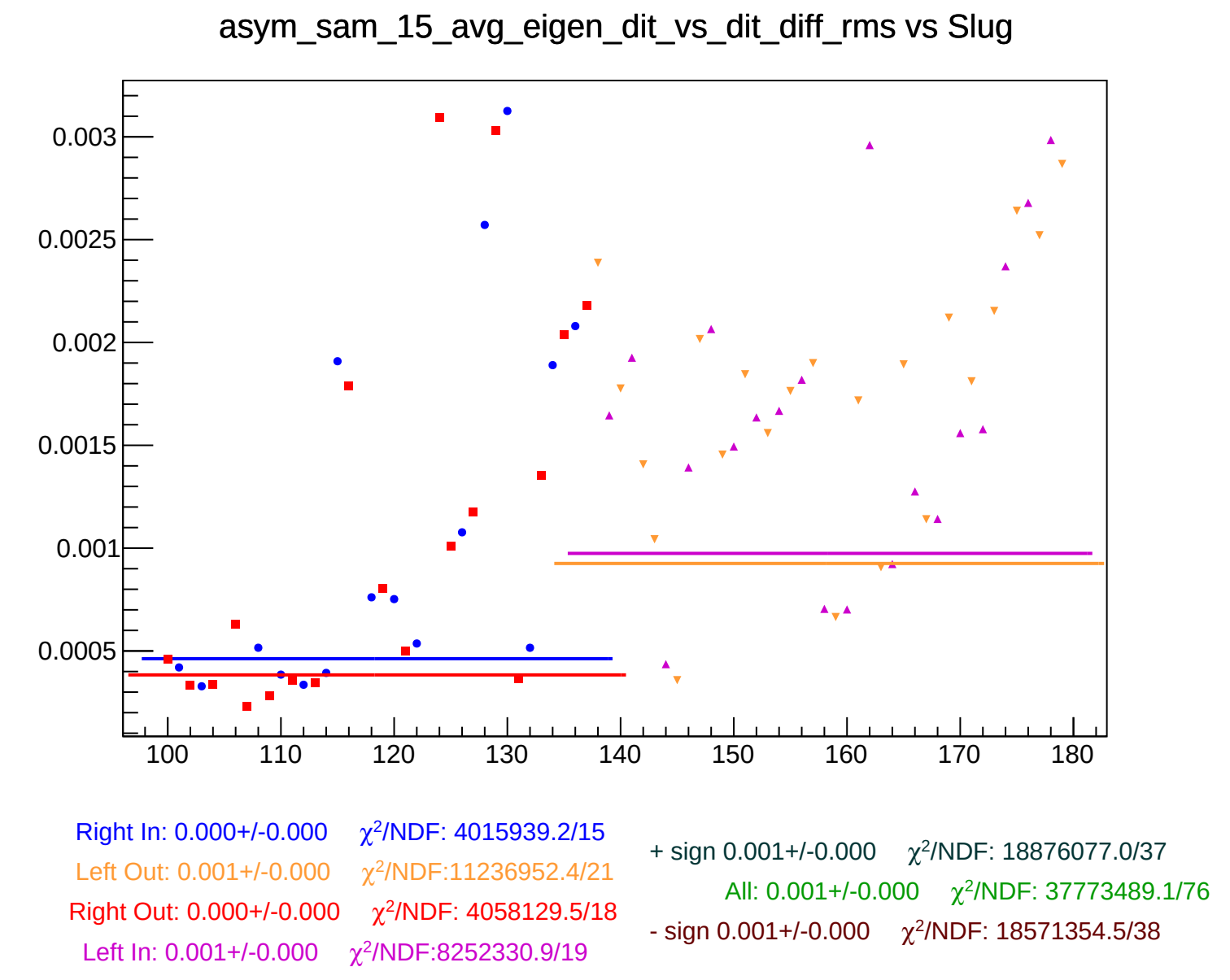
Right Out: -0.000+/-0.000 χ^2/NDF: 20.2/18

Left In: -0.000+/-0.000 χ^2/NDF:26.3/19

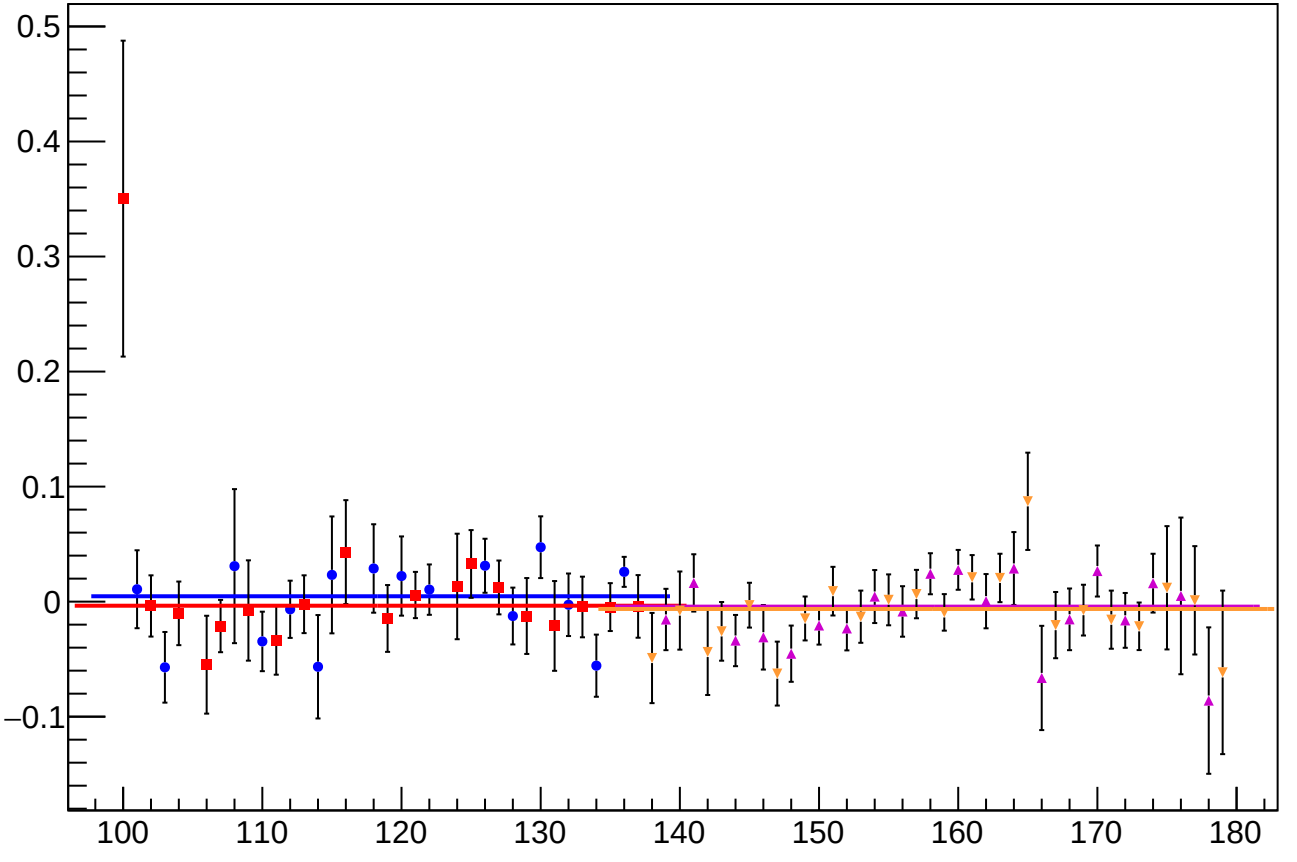
+ sign 0.000+/-0.000 χ^2/NDF: 49.8/37

All: -0.000+/-0.000 χ^2/NDF: 96.9/76

- sign -0.000+/-0.000 χ^2/NDF: 46.6/38


asym_sam_15_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 4015939.2/15
Left Out: 0.001+/-0.000 χ²/NDF:11236952.4/21
Right Out: 0.000+/-0.000 χ²/NDF: 4058129.5/18
Left In: 0.001+/-0.000 χ²/NDF:8252330.9/19
+ sign 0.001+/-0.000 χ²/NDF: 18876077.0/37
All: 0.001+/-0.000 χ²/NDF: 37773489.1/76
- sign 0.001+/-0.000 χ²/NDF: 18571354.5/38

asym_sam_15_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.006+/-0.005 χ^2/NDF:18.5/21

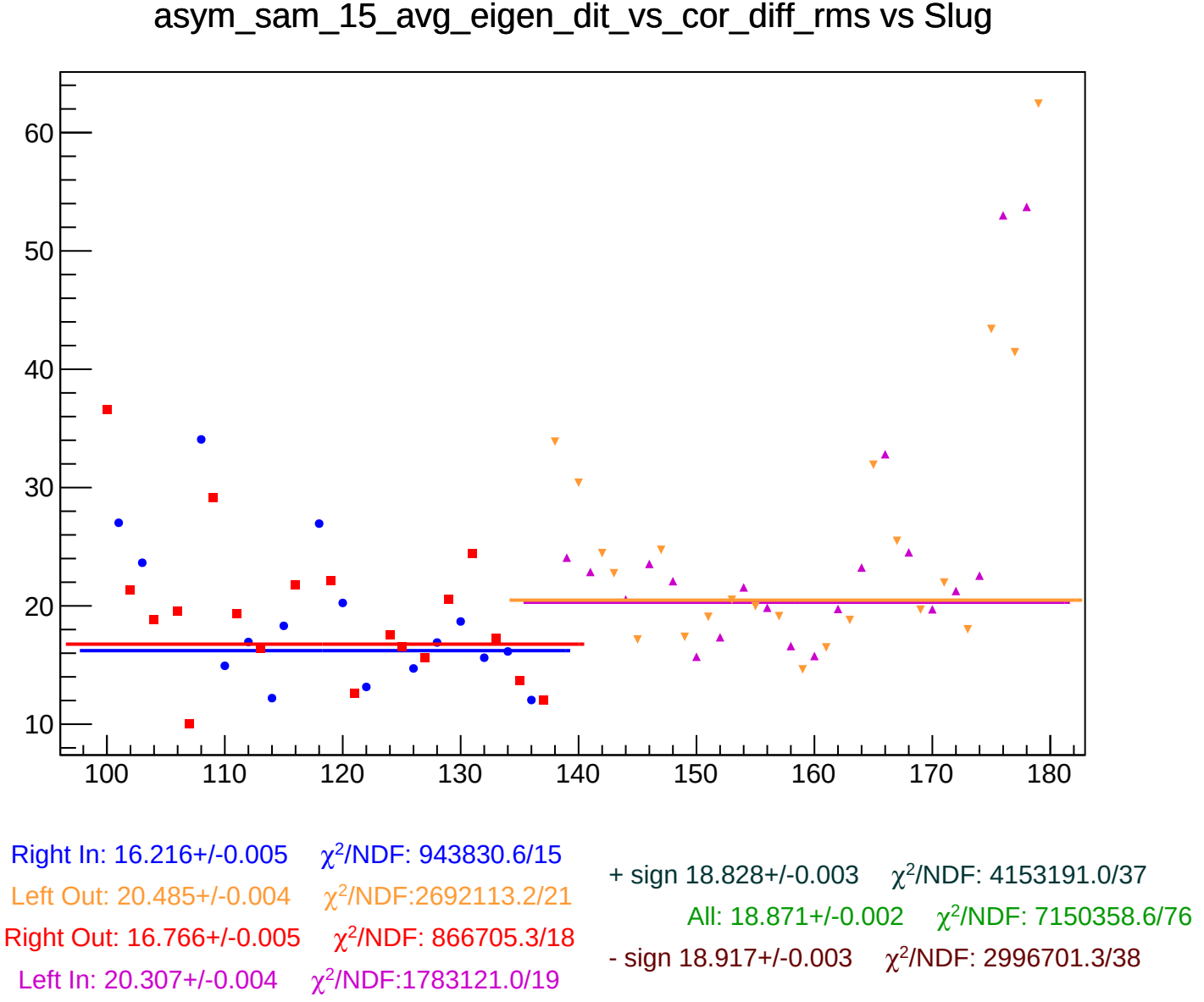
Right Out: -0.004+/-0.007 χ^2/NDF: 13.6/18

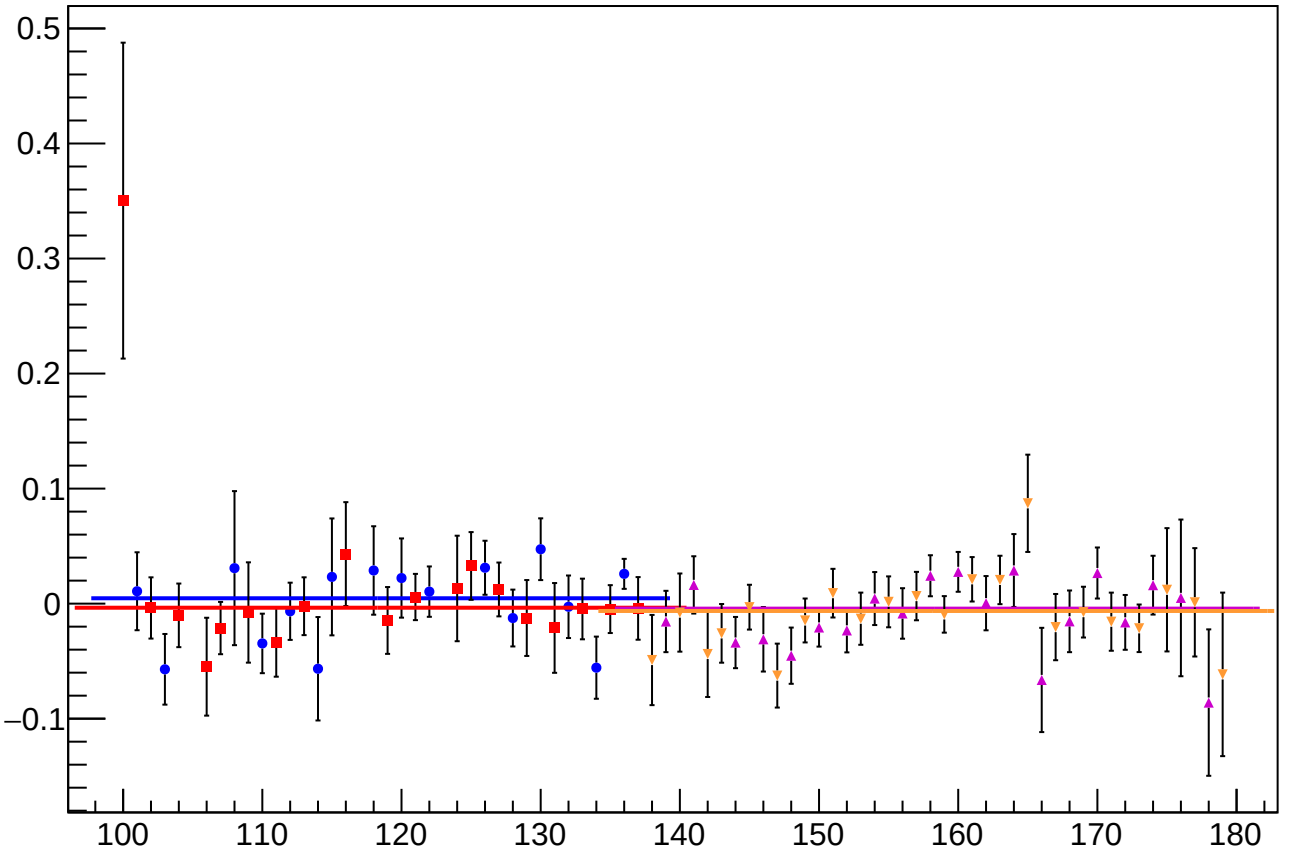
Left In: -0.004+/-0.005 χ^2/NDF:22.1/19

+ sign -0.002+/-0.004 χ^2/NDF: 41.6/37

All: -0.003+/-0.003 χ^2/NDF: 77.5/76

- sign -0.004+/-0.004 χ^2/NDF: 35.7/38


asym_sam_15_avg_eigen_dit_vs_cor_diff_rms vs Slug
60
50
40
30
20
10
100
110
120
130
140
150
160
170
180
Right In: 16.216+/-0.005 χ²/NDF: 943830.6/15
Left Out: 20.485+/-0.004 χ²/NDF:2692113.2/21
Right Out: 16.766+/-0.005 χ²/NDF: 866705.3/18
Left In: 20.307+/-0.004 χ²/NDF:1783121.0/19
+ sign 18.828+/-0.003 χ²/NDF: 4153191.0/37
All: 18.871+/-0.002 χ²/NDF: 7150358.6/76
- sign 18.917+/-0.003 χ²/NDF: 2996701.3/38



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.006+/-0.005 χ^2/NDF:18.5/21

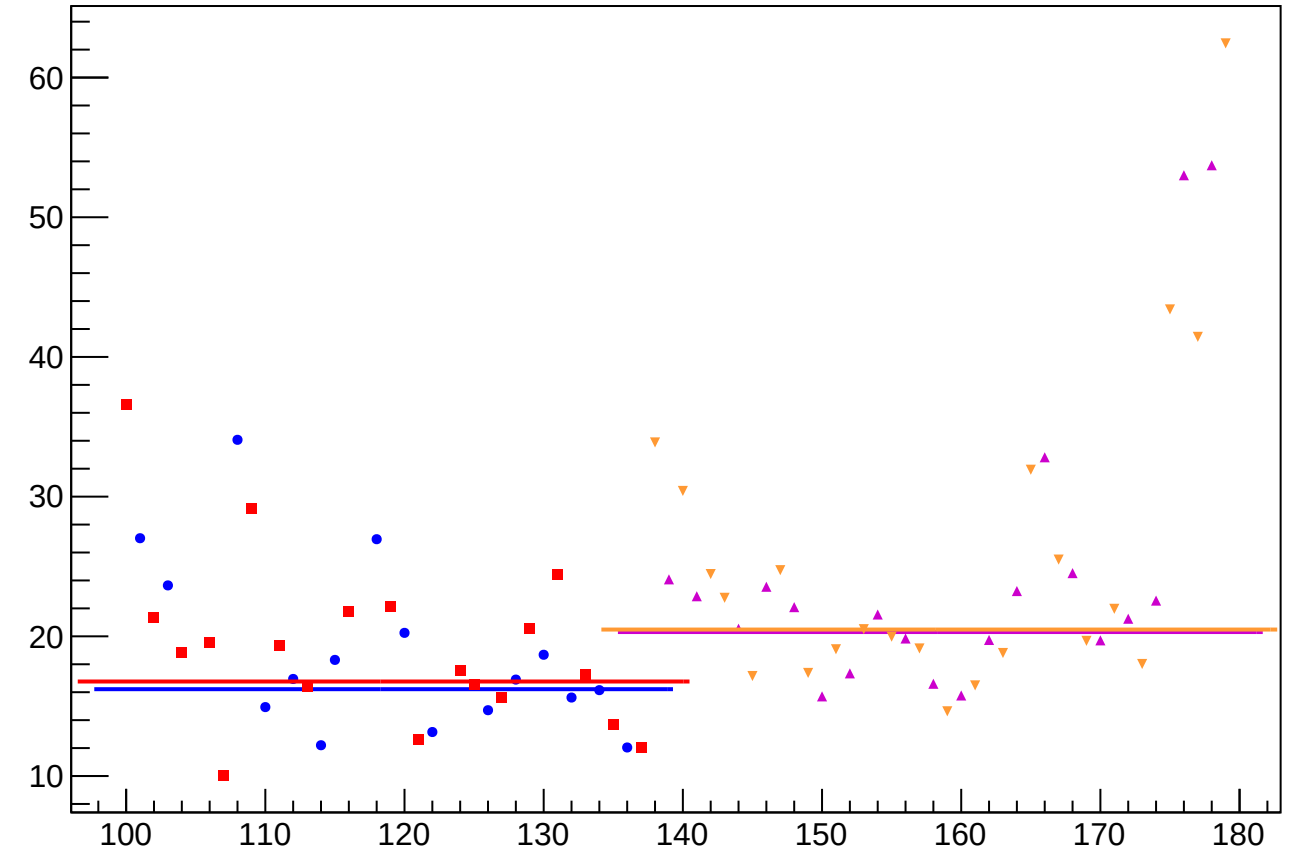
Right Out: -0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: -0.004+/-0.005 χ^2/NDF:22.1/19

+ sign -0.002+/-0.004 χ^2/NDF: 41.6/37

All: -0.003+/-0.003 χ^2/NDF: 77.5/76

- sign -0.004+/-0.004 χ^2/NDF: 35.7/38



Right In: 16.216+/-0.005 χ^2/NDF: 943830.6/15

Left Out: 20.485+/-0.004 χ^2/NDF:2692113.2/21

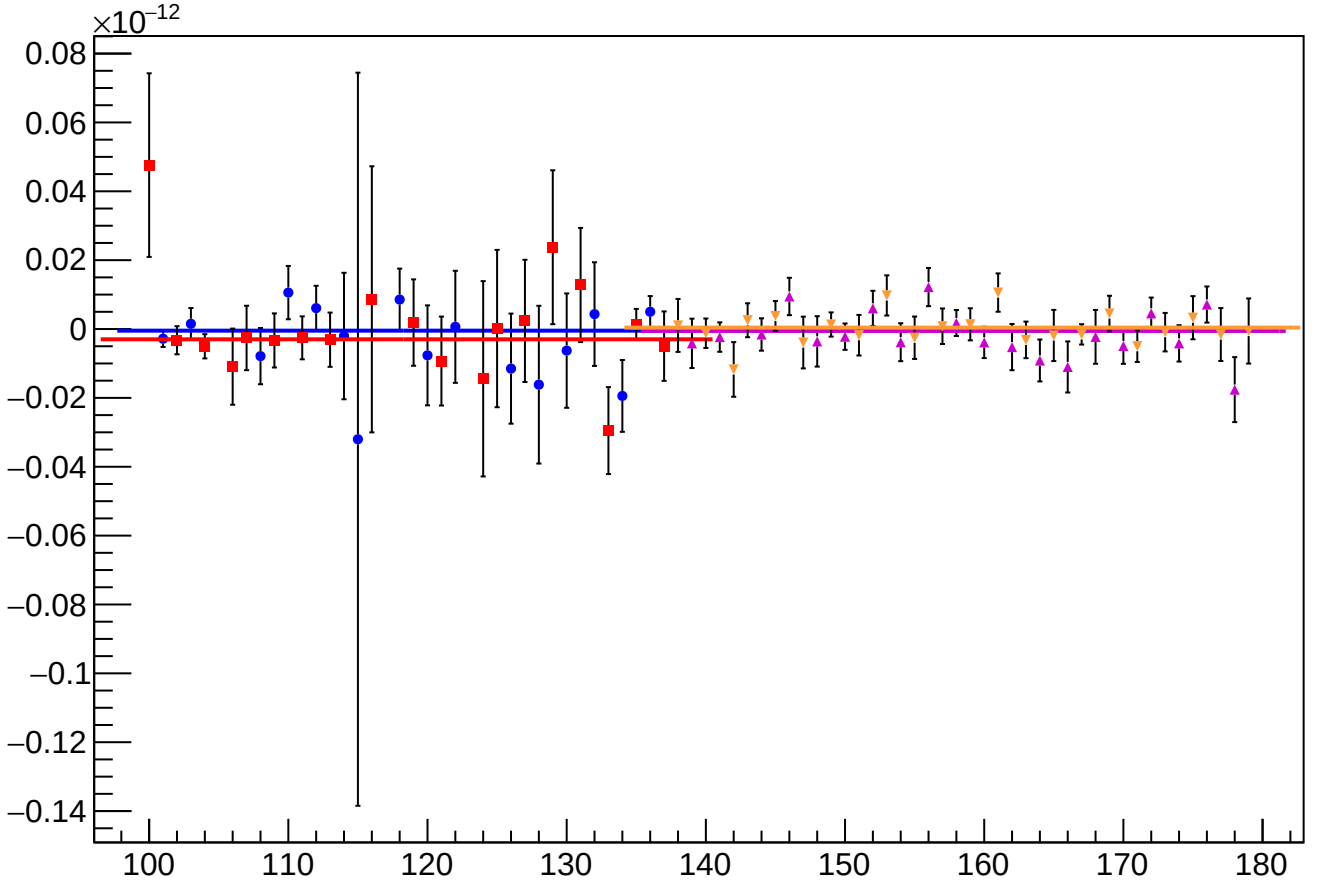
Right Out: 16.766+/-0.005 χ^2/NDF: 866705.3/18

Left In: 20.307+/-0.004 χ^2/NDF:1783121.0/19

+ sign 18.828+/-0.003 χ^2/NDF: 4153191.0/37

All: 18.871+/-0.002 χ^2/NDF: 7150358.6/76

- sign 18.917+/-0.003 χ^2/NDF: 2996701.3/38



Right In: -0.000+/-0.000 χ^2/NDF: 12.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.3/21

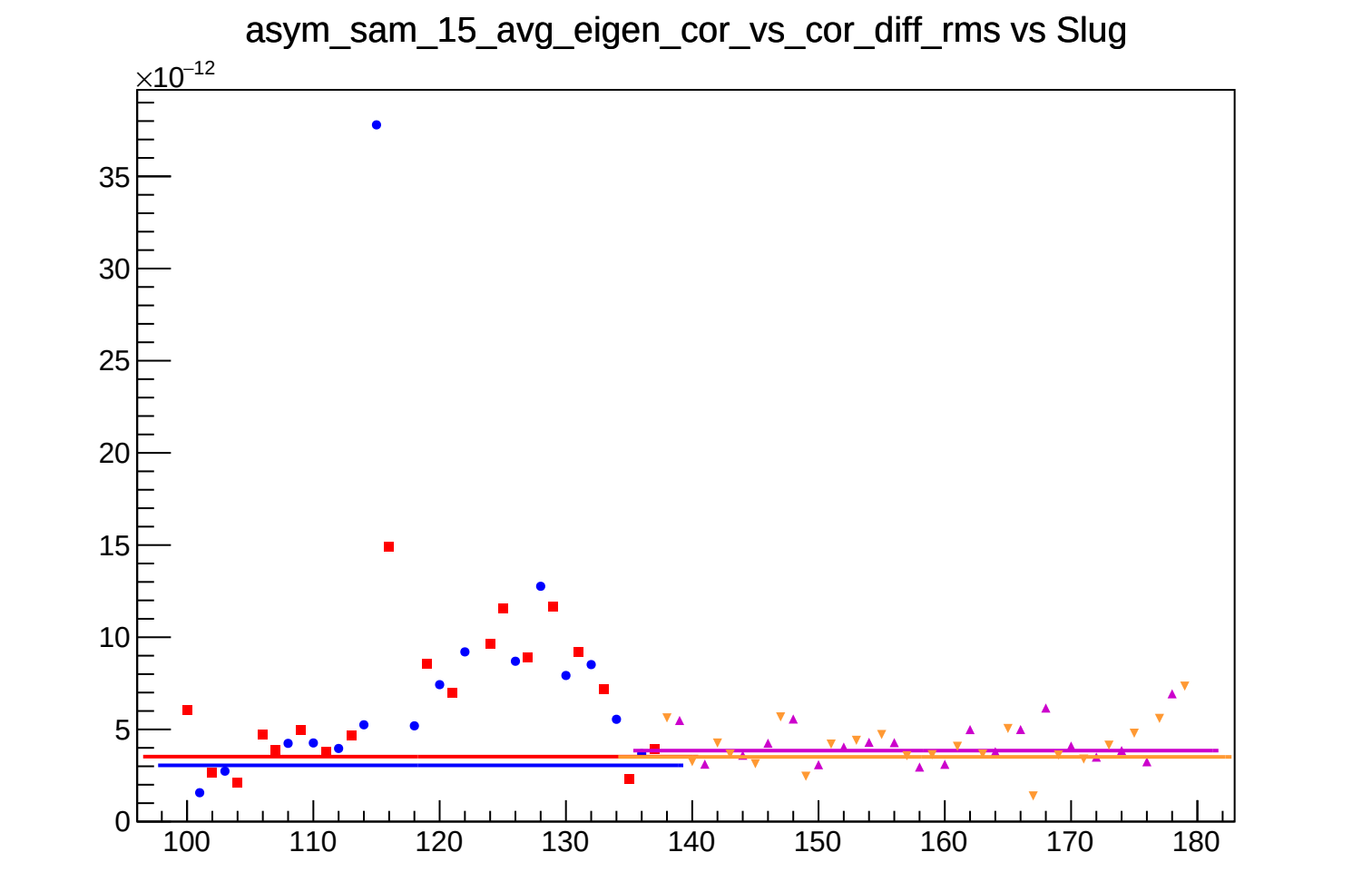
Right Out: -0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: -0.000+/-0.000 χ^2/NDF:24.8/19

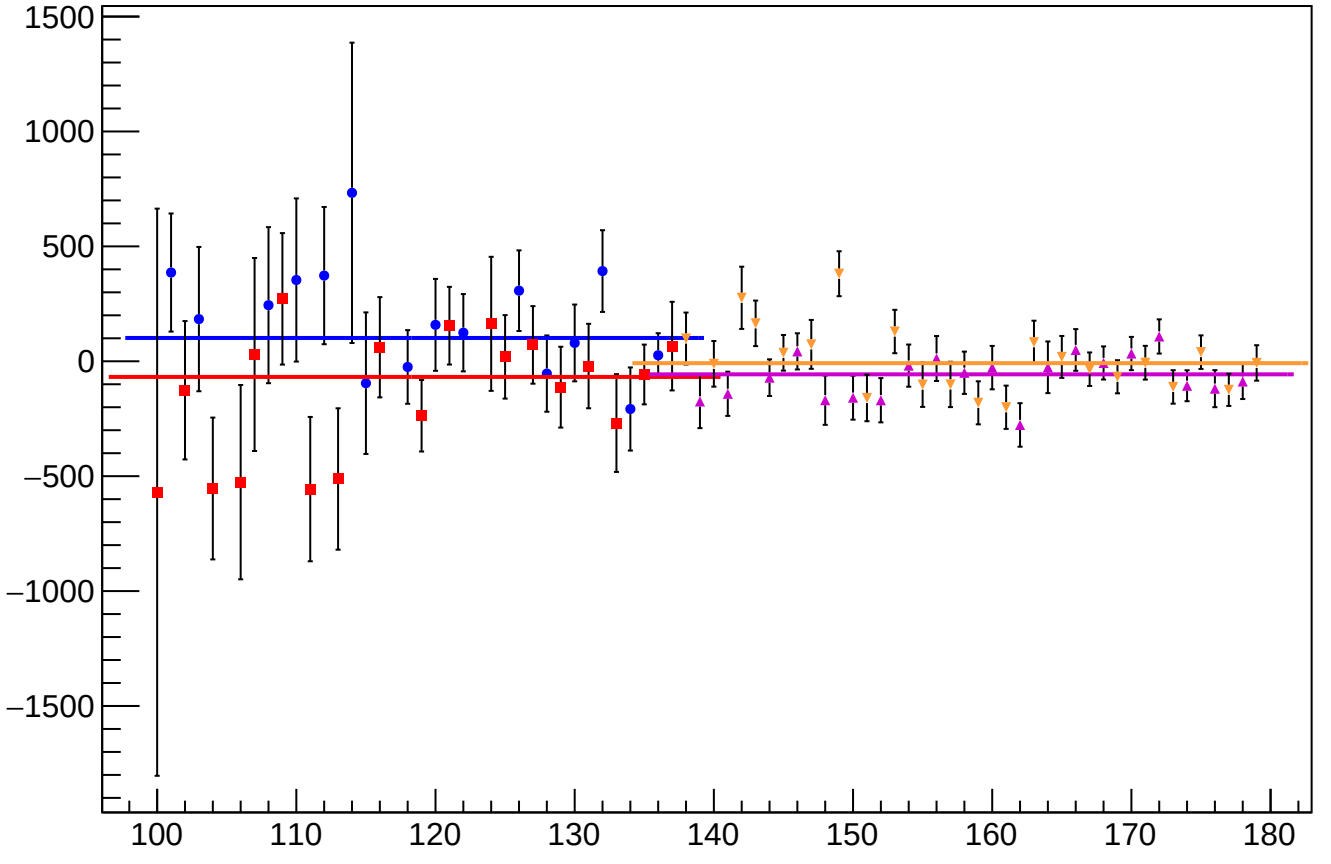
+ sign 0.000+/-0.000 χ^2/NDF: 25.8/37

All: -0.000+/-0.000 χ^2/NDF: 66.0/76

- sign -0.000+/-0.000 χ^2/NDF: 39.1/38


asym_sam_15_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
35
30
25
20
15
10
5
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2937232.3/15
Left Out: 0.000+/-0.000 χ²/NDF:2414660.0/21
Right Out: 0.000+/-0.000 χ²/NDF: 2559080.1/18
Left In: 0.000+/-0.000 χ²/NDF:1099004.3/19
+ sign 0.000+/-0.000 χ²/NDF: 5459649.5/37
All: 0.000+/-0.000 χ²/NDF: 9328719.1/76
- sign 0.000+/-0.000 χ²/NDF: 3704530.9/38

reg_asym_sam_26_avg_mean vs Slug



Right In: 101.460+/-47.631 χ^2/NDF: 13.4/15

Left Out: -8.175+/-18.601 χ^2/NDF:45.9/21

Right Out: -68.108+/-49.327 χ^2/NDF: 16.1/18

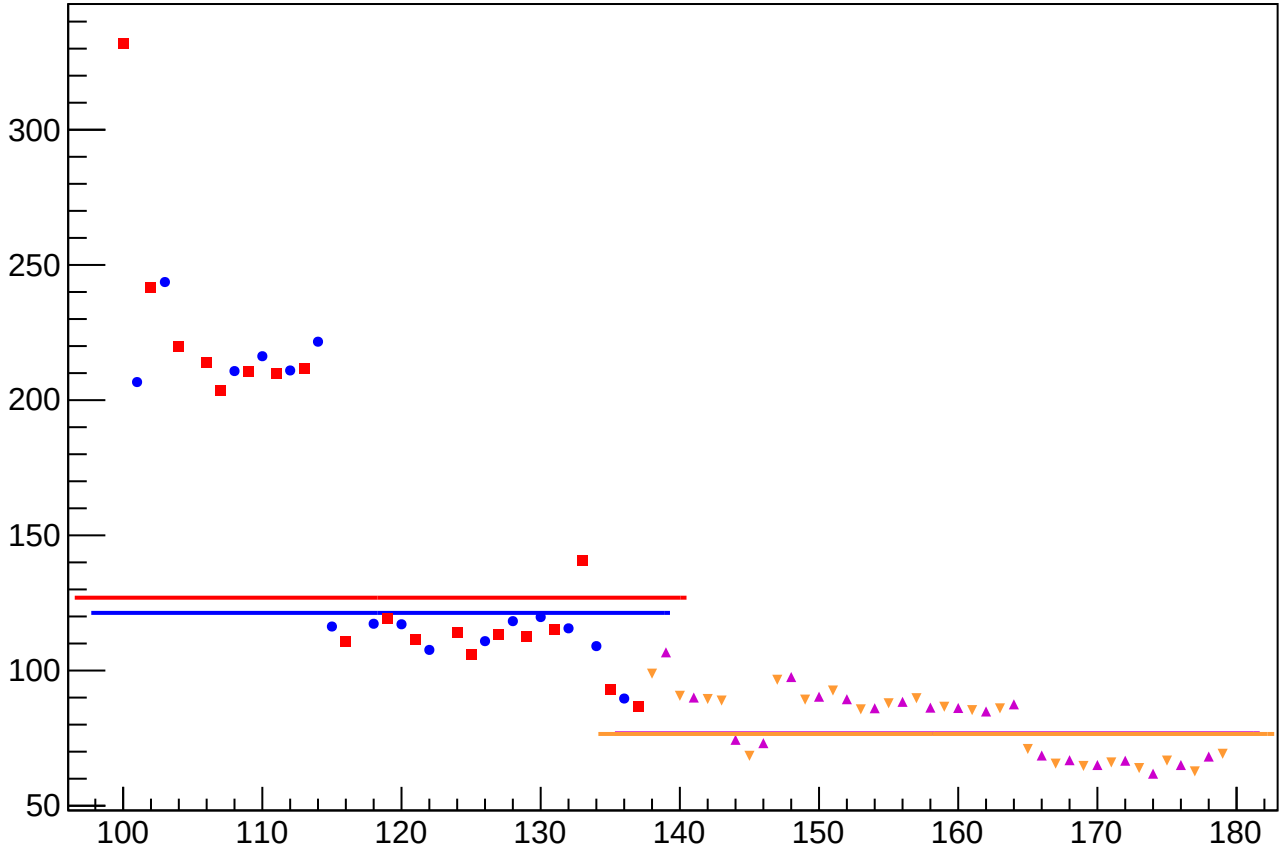
Left In: -56.819+/-19.315 χ^2/NDF:22.9/19

+ sign 6.333+/-17.327 χ^2/NDF: 63.8/37

All: -24.788+/-12.478 χ^2/NDF: 109.6/76

- sign -58.320+/-17.985 χ^2/NDF: 39.1/38

reg_asym_sam_26_avg_rms vs Slug



Right In: 121.325+/-0.034 χ^2/NDF: 1286651.5/15

Left Out: 76.550+/-0.013 χ^2/NDF:827705.5/21

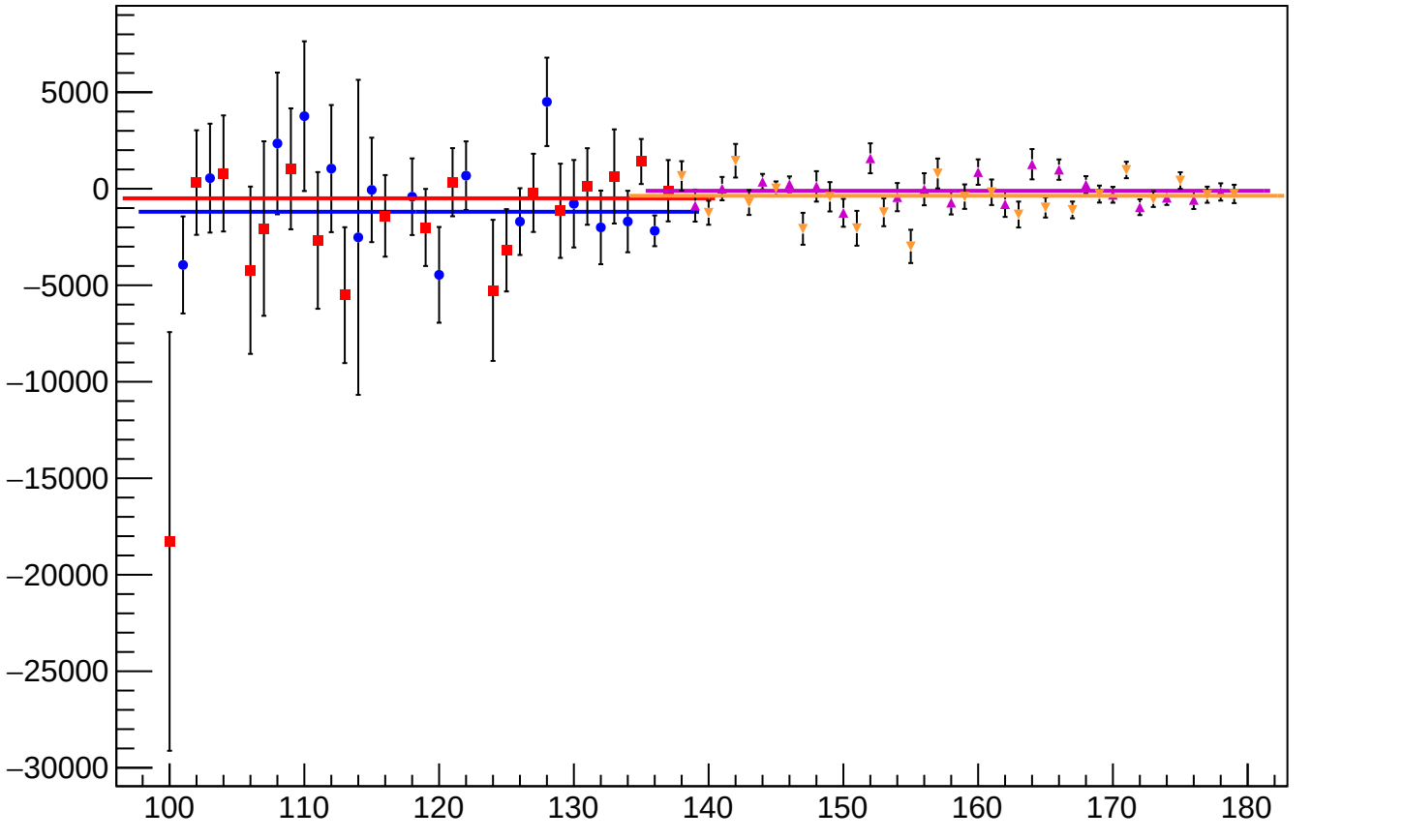
Right Out: 126.945+/-0.035 χ^2/NDF: 1471592.1/18

Left In: 76.798+/-0.014 χ^2/NDF:759117.3/19

+ sign 82.475+/-0.012 χ^2/NDF: 3647871.7/37

All: 82.952+/-0.009 χ^2/NDF: 7673903.7/76

- sign 83.465+/-0.013 χ^2/NDF: 4022892.1/38



Right In: -1192.168+/-478.908 χ^2/NDF: 15.9/15

Left Out: -365.643+/-116.852 χ^2/NDF:50.1/21

Right Out: -494.627+/-521.756 χ^2/NDF: 13.9/18

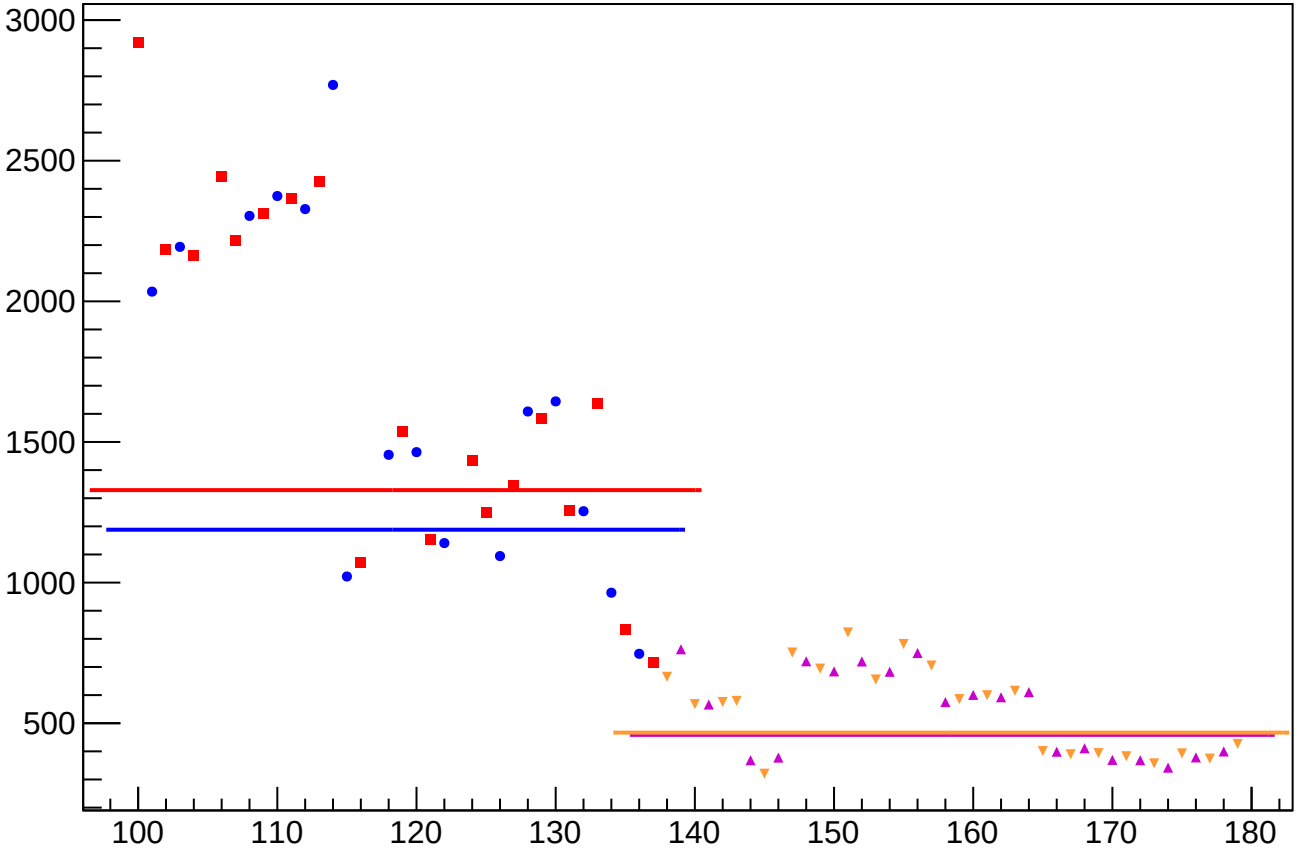
Left In: -104.782+/-118.702 χ^2/NDF:29.1/19

+ sign -412.085+/-113.522 χ^2/NDF: 68.8/37

All: -270.819+/-81.046 χ^2/NDF: 115.5/76

- sign -123.967+/-115.745 χ^2/NDF: 43.5/38

asym_sam_26_avg_reg_correction_rms vs Slug



Right In: 1188.069+/-0.339 χ^2/NDF: 2044635.7/15

Left Out: 466.678+/-0.083 χ^2/NDF:2718774.9/21

Right Out: 1328.816+/-0.369 χ^2/NDF: 1957758.3/18

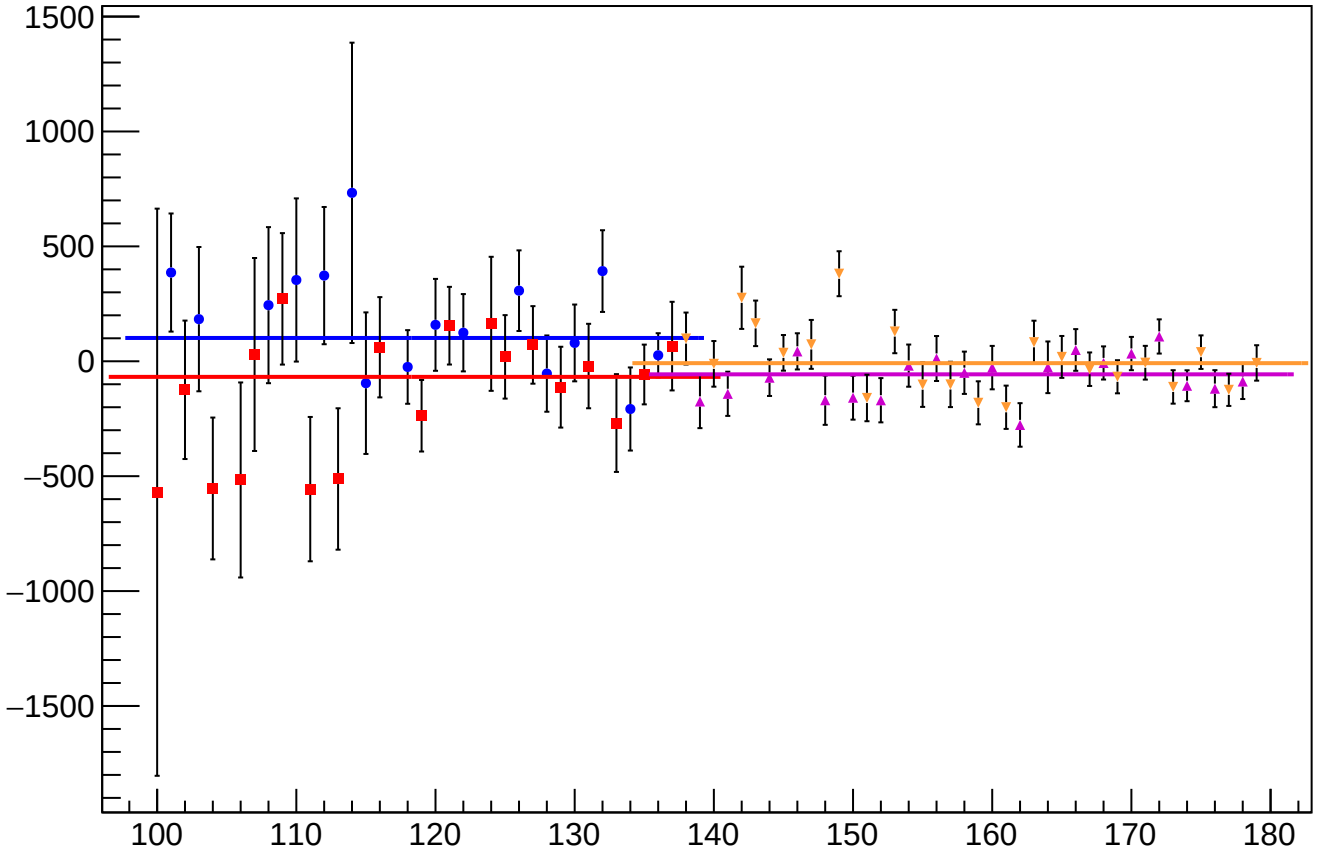
Left In: 458.621+/-0.084 χ^2/NDF:2435845.0/19

+ sign 507.212+/-0.080 χ^2/NDF: 9046461.9/37

All: 504.384+/-0.057 χ^2/NDF: 18732084.3/76

- sign 501.444+/-0.082 χ^2/NDF: 9683090.9/38

cor_asym_sam_26_avg_mean vs Slug



Right In: 101.446+/-47.631 χ^2/NDF: 13.3/15

Left Out: -8.175+/-18.601 χ^2/NDF:45.9/21

Right Out: -67.881+/-49.331 χ^2/NDF: 16.1/18

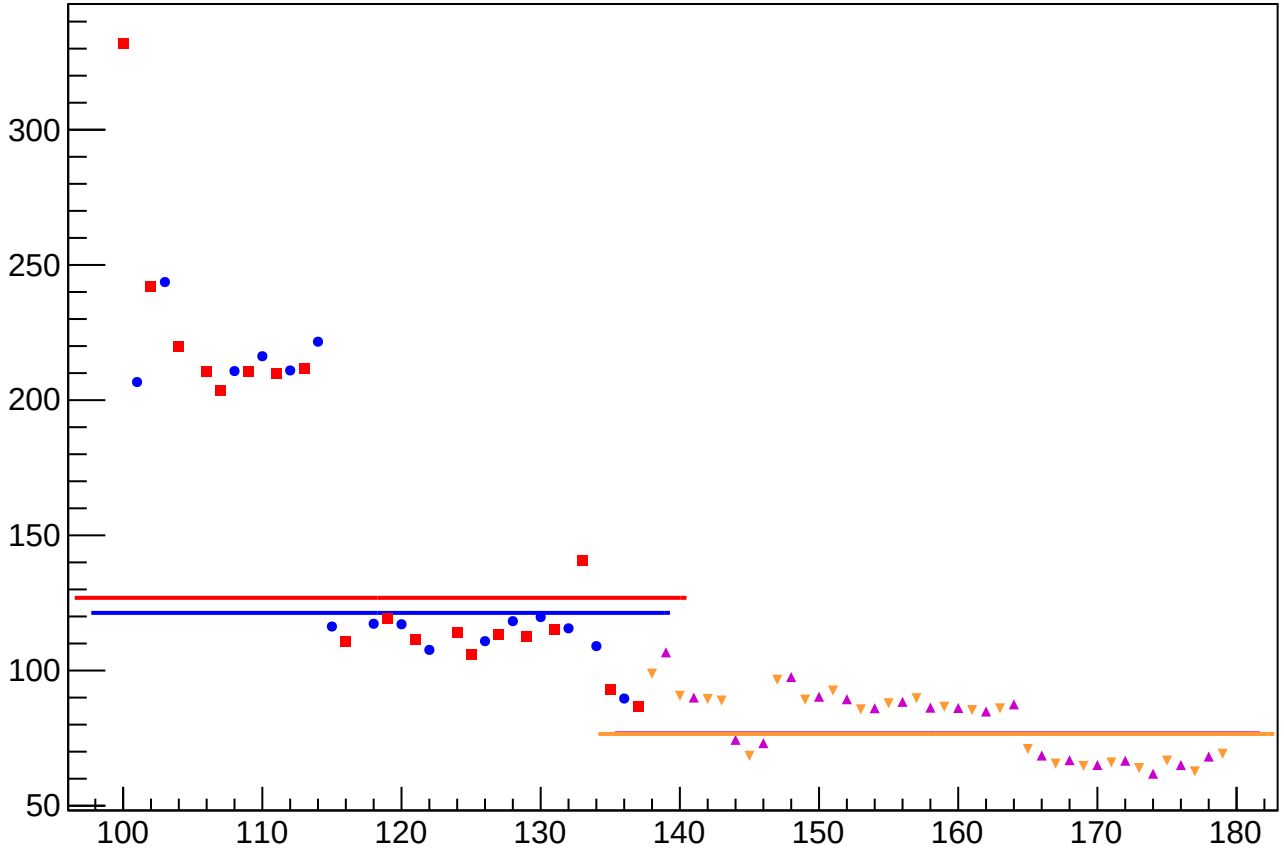
Left In: -56.817+/-19.315 χ^2/NDF:22.9/19

+ sign 6.331+/-17.327 χ^2/NDF: 63.8/37

All: -24.774+/-12.478 χ^2/NDF: 109.6/76

- sign -58.288+/-17.985 χ^2/NDF: 39.0/38

cor_asym_sam_26_avg_rms vs Slug



Right In: 121.325+/-0.034 χ^2/NDF: 1286654.0/15

Left Out: 76.550+/-0.013 χ^2/NDF:827705.5/21

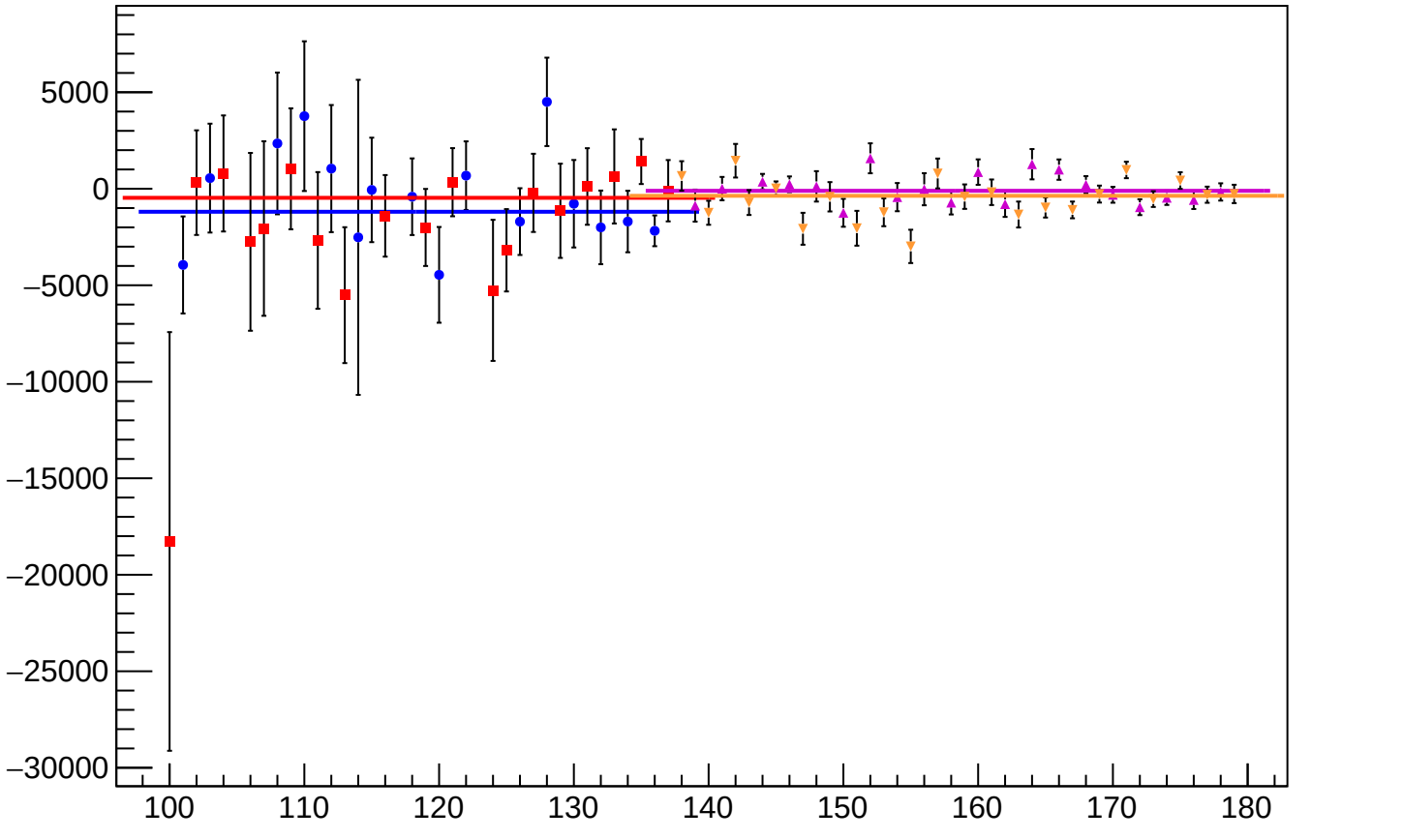
Right Out: 126.895+/-0.035 χ^2/NDF: 1465478.6/18

Left In: 76.798+/-0.014 χ^2/NDF:759117.3/19

+ sign 82.475+/-0.012 χ^2/NDF: 3647873.7/37

All: 82.948+/-0.009 χ^2/NDF: 7663978.6/76

- sign 83.457+/-0.013 χ^2/NDF: 4013011.6/38



Right In: -1192.145+/-478.909 χ^2/NDF: 15.9/15

Left Out: -365.641+/-116.852 χ^2/NDF:50.1/21

Right Out: -469.736+/-522.203 χ^2/NDF: 13.4/18

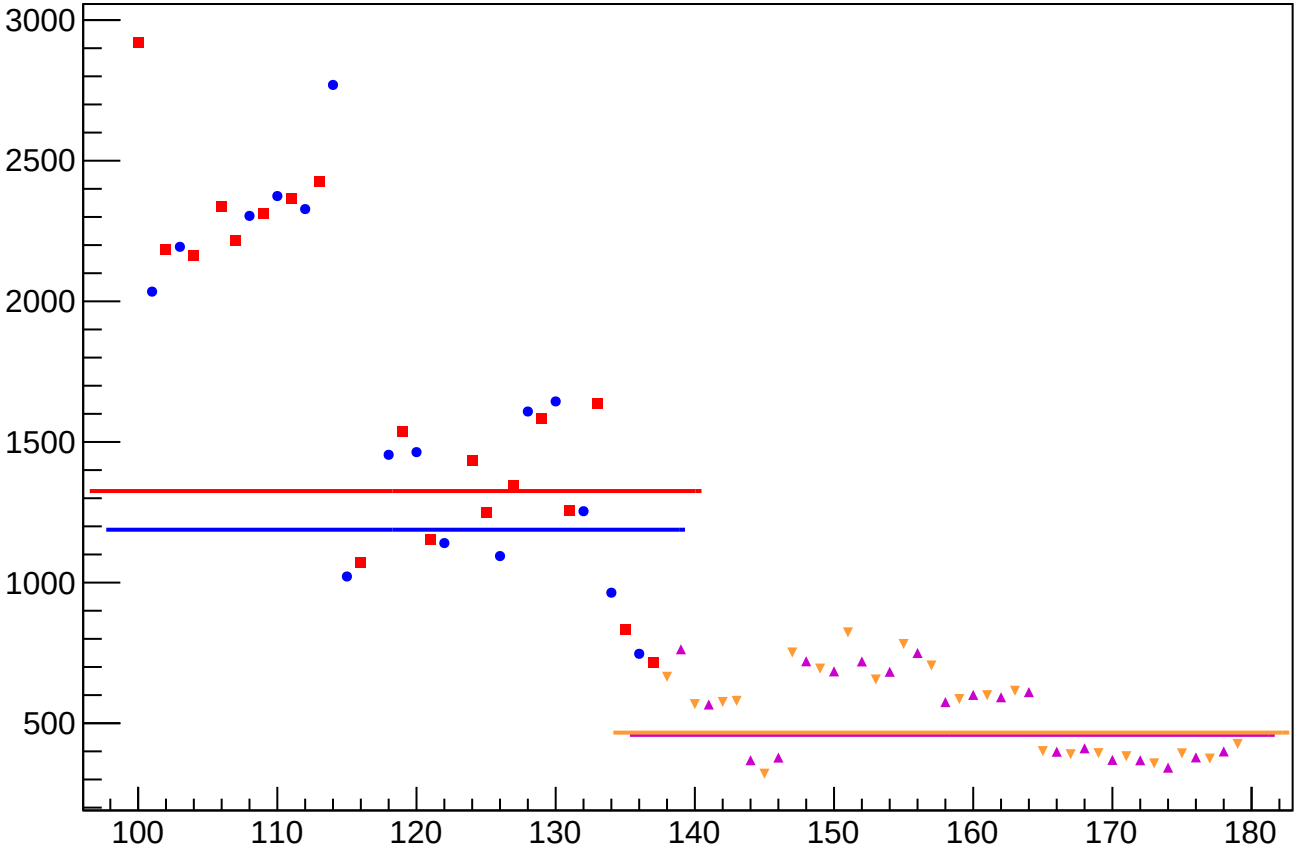
Left In: -104.782+/-118.702 χ^2/NDF:29.1/19

+ sign -412.081+/-113.522 χ^2/NDF: 68.8/37

All: -270.209+/-81.048 χ^2/NDF: 114.9/76

- sign -122.713+/-115.749 χ^2/NDF: 42.9/38

asym_sam_26_avg_cor_correction_rms vs Slug



Right In: 1188.069+/-0.339 χ^2/NDF: 2044666.3/15

Left Out: 466.677+/-0.083 χ^2/NDF:2718784.1/21

Right Out: 1325.564+/-0.369 χ^2/NDF: 1920986.7/18

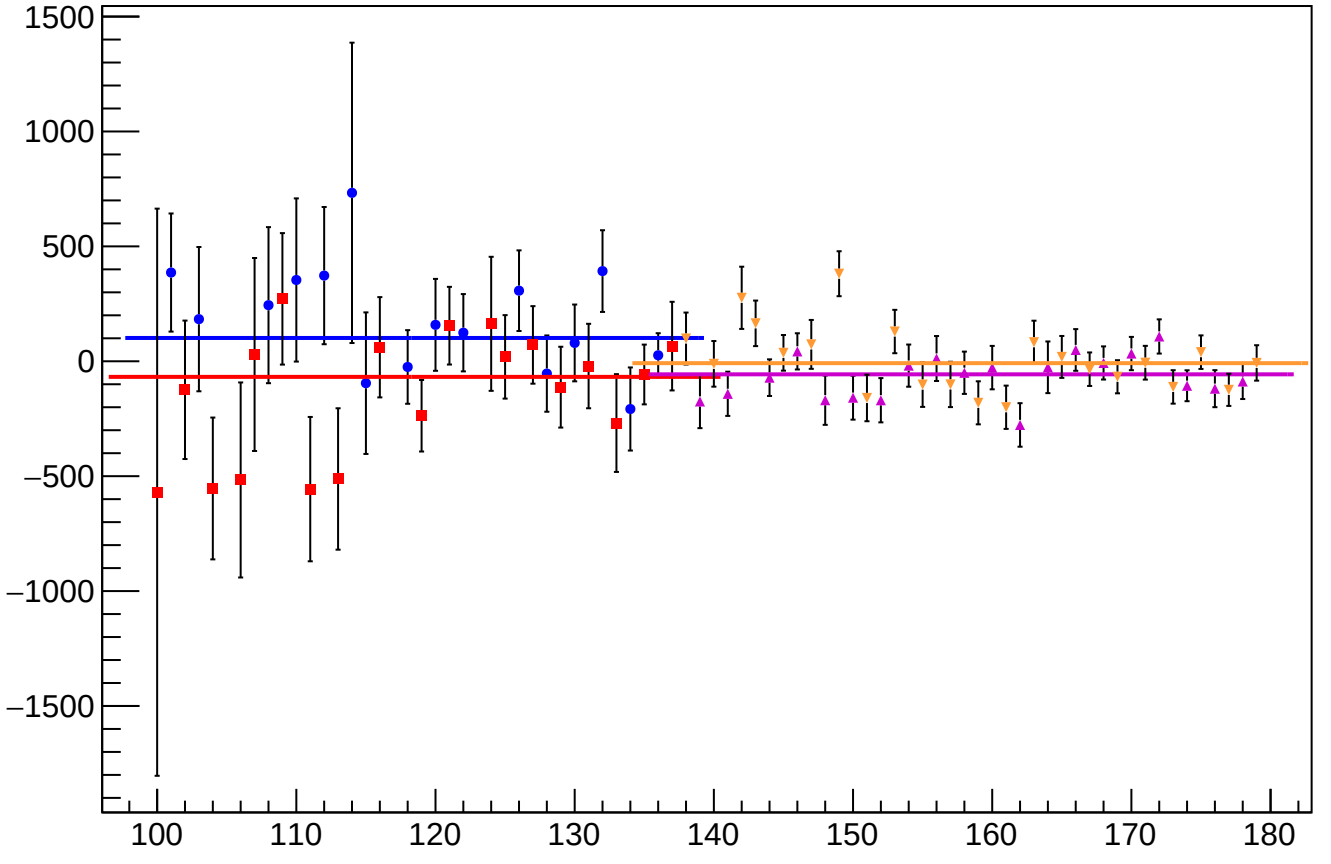
Left In: 458.620+/-0.084 χ^2/NDF:2435849.9/19

+ sign 507.212+/-0.080 χ^2/NDF: 9046493.1/37

All: 504.271+/-0.057 χ^2/NDF: 18647537.0/76

- sign 501.215+/-0.082 χ^2/NDF: 9598307.5/38

eigen_cor_asym_sam_26_avg_mean vs Slug



Right In: 101.446+/-47.631 χ^2/NDF: 13.3/15

Left Out: -8.175+/-18.601 χ^2/NDF:45.9/21

Right Out: -67.881+/-49.331 χ^2/NDF: 16.1/18

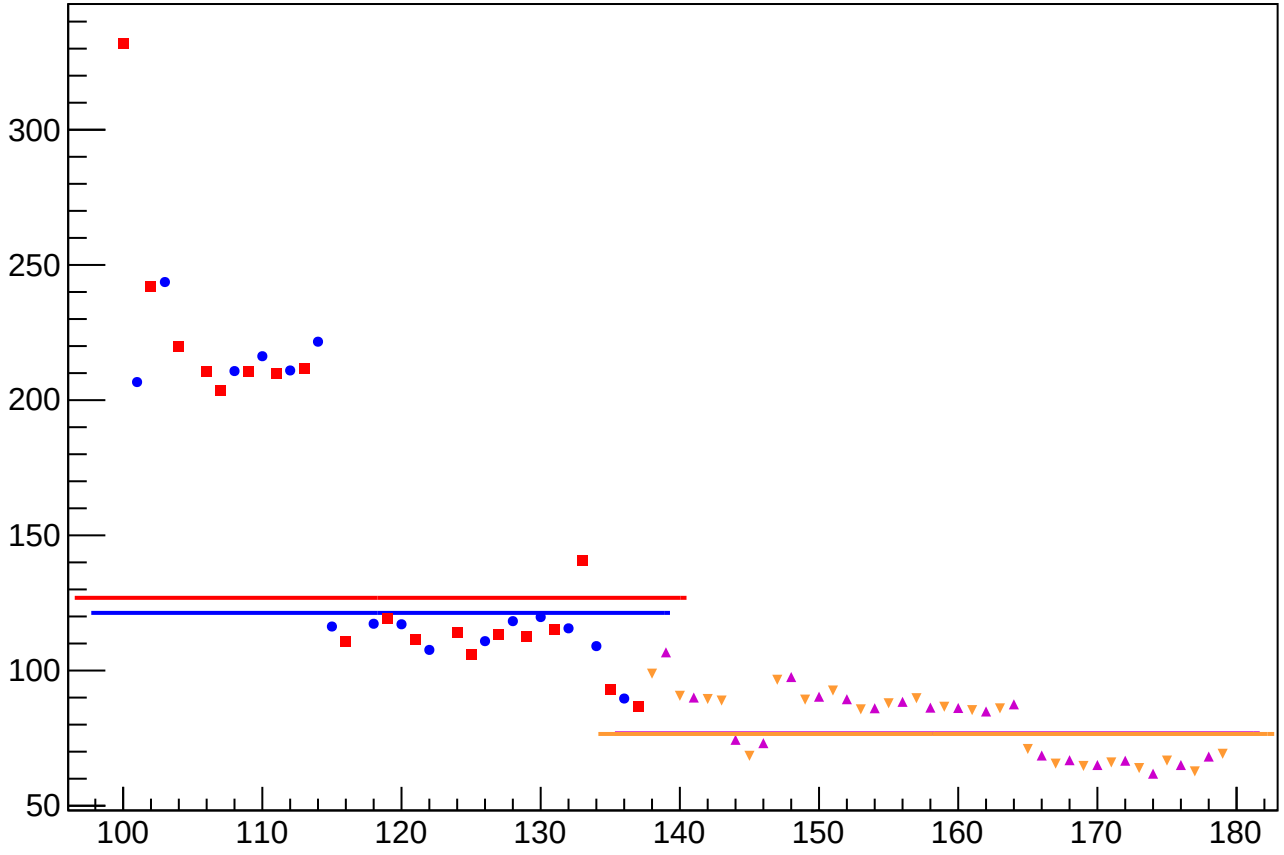
Left In: -56.817+/-19.315 χ^2/NDF:22.9/19

+ sign 6.331+/-17.327 χ^2/NDF: 63.8/37

All: -24.774+/-12.478 χ^2/NDF: 109.6/76

- sign -58.288+/-17.985 χ^2/NDF: 39.0/38

eigen_cor_asym_sam_26_avg_rms vs Slug



Right In: 121.325+/-0.034 χ^2/NDF: 1286654.0/15

Left Out: 76.550+/-0.013 χ^2/NDF:827705.5/21

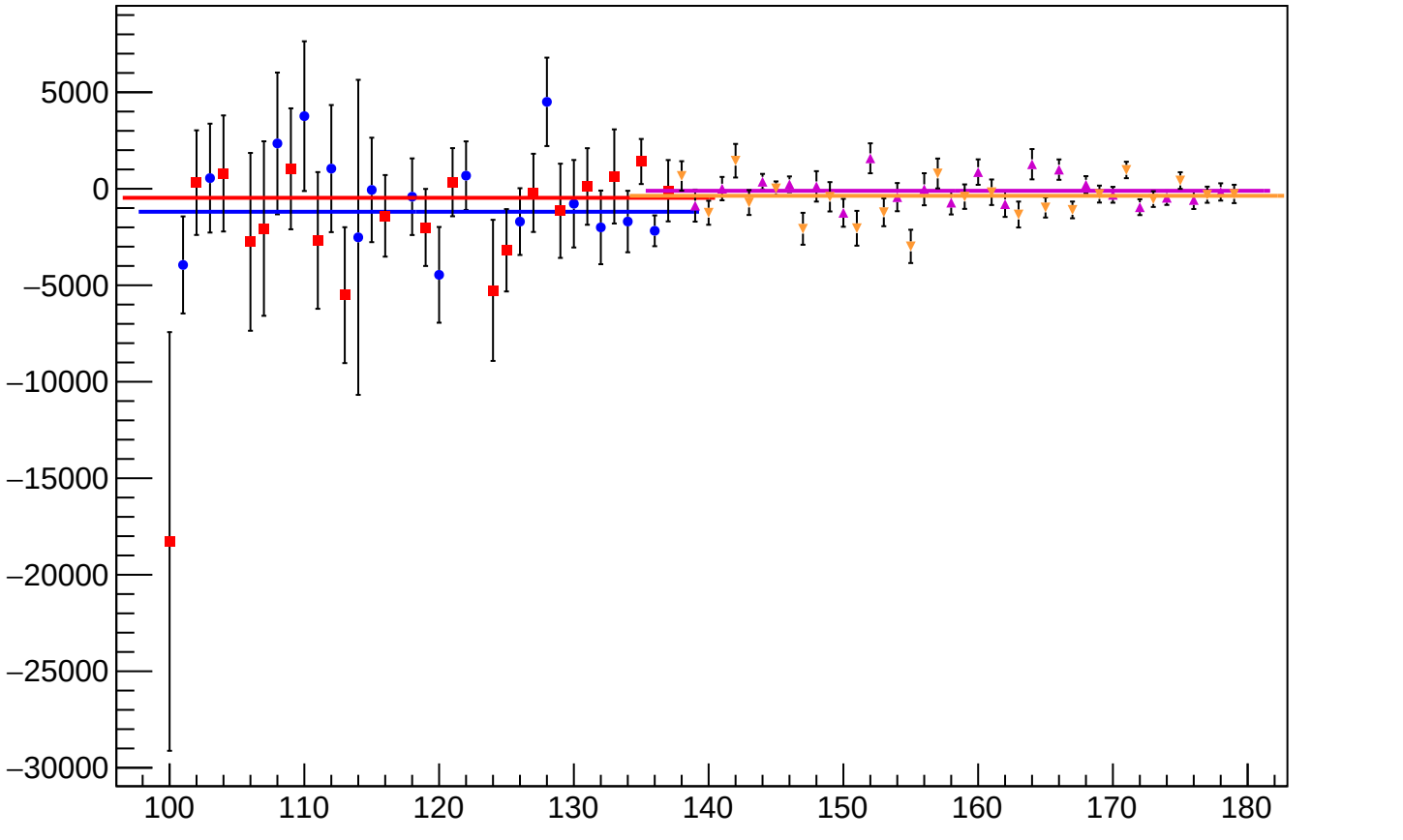
Right Out: 126.895+/-0.035 χ^2/NDF: 1465478.6/18

Left In: 76.798+/-0.014 χ^2/NDF:759117.3/19

+ sign 82.475+/-0.012 χ^2/NDF: 3647873.7/37

All: 82.948+/-0.009 χ^2/NDF: 7663978.6/76

- sign 83.457+/-0.013 χ^2/NDF: 4013011.6/38



Right In: -1192.145+/-478.909 χ^2/NDF: 15.9/15

Left Out: -365.641+/-116.852 χ^2/NDF:50.1/21

Right Out: -469.736+/-522.203 χ^2/NDF: 13.4/18

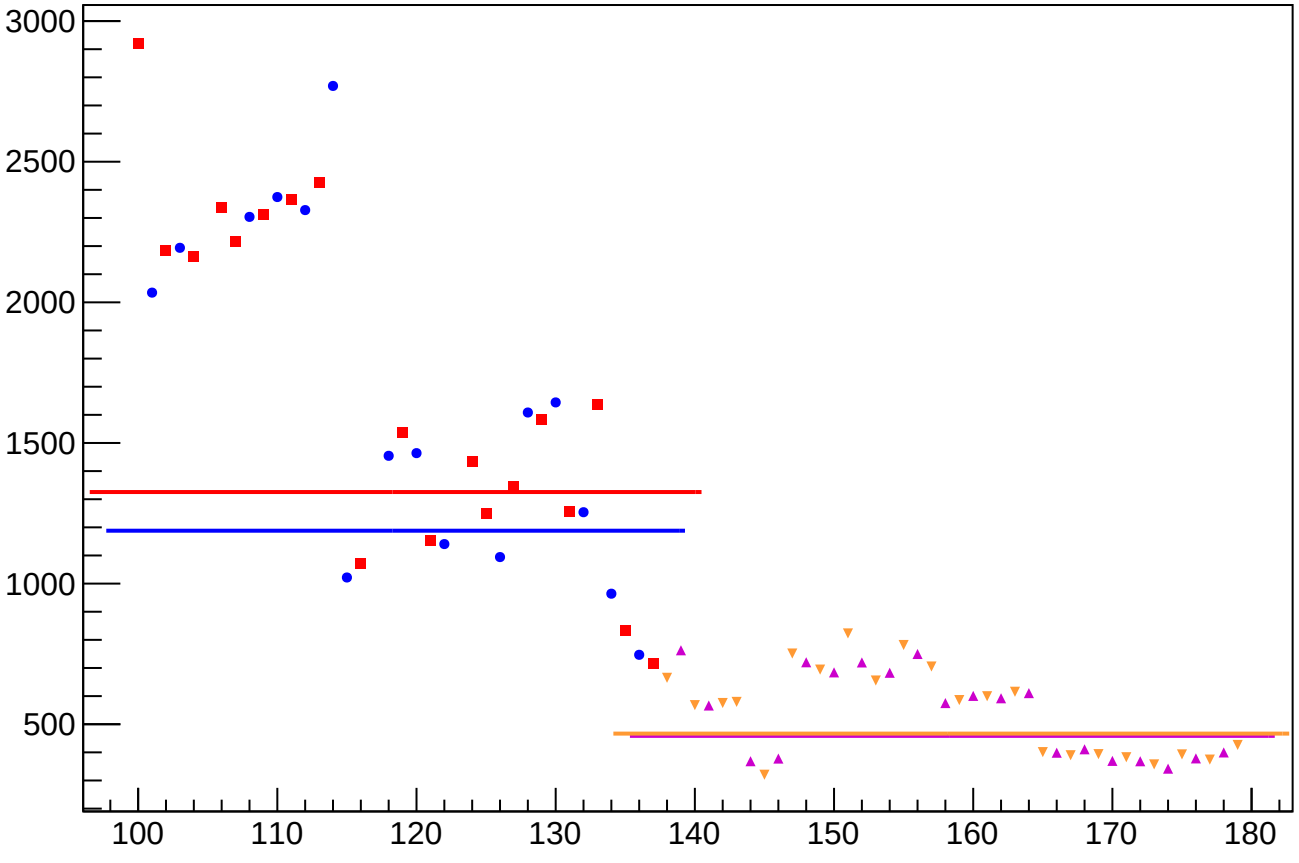
Left In: -104.782+/-118.702 χ^2/NDF:29.1/19

+ sign -412.081+/-113.522 χ^2/NDF: 68.8/37

All: -270.209+/-81.048 χ^2/NDF: 114.9/76

- sign -122.713+/-115.749 χ^2/NDF: 42.9/38

asym_sam_26_avg_eigen_cor_correction_rms vs Slug



Right In: 1188.069+/-0.339 χ^2/NDF: 2044666.3/15

Left Out: 466.677+/-0.083 χ^2/NDF:2718784.1/21

Right Out: 1325.564+/-0.369 χ^2/NDF: 1920986.7/18

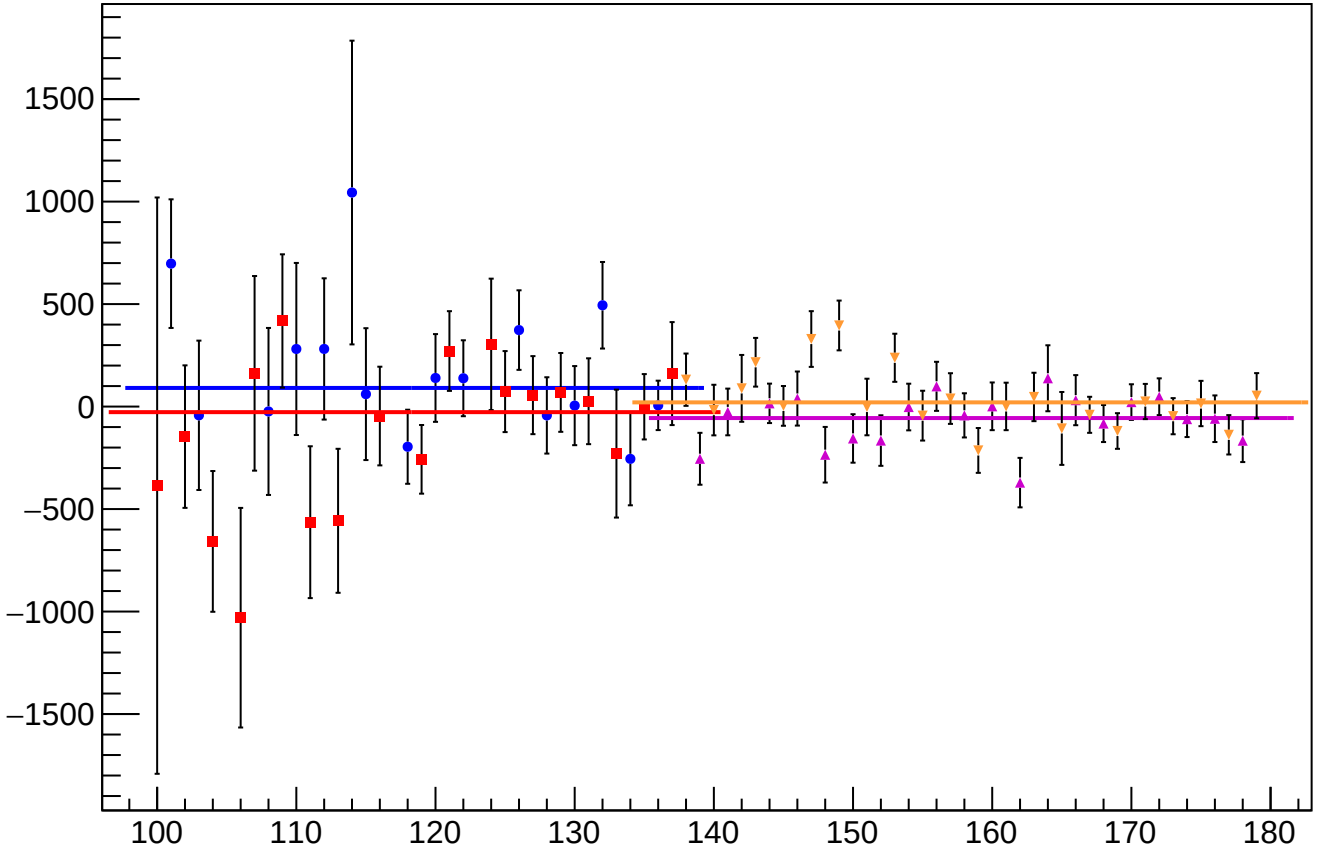
Left In: 458.620+/-0.084 χ^2/NDF:2435849.9/19

+ sign 507.212+/-0.080 χ^2/NDF: 9046493.1/37

All: 504.271+/-0.057 χ^2/NDF: 18647537.0/76

- sign 501.215+/-0.082 χ^2/NDF: 9598307.5/38

dit_asym_sam_26_avg_mean vs Slug



Right In: 90.908+/-55.565 χ^2/NDF: 18.1/15

Left Out: 20.507+/-23.689 χ^2/NDF:33.9/21

Right Out: -27.170+/-57.015 χ^2/NDF: 20.6/18

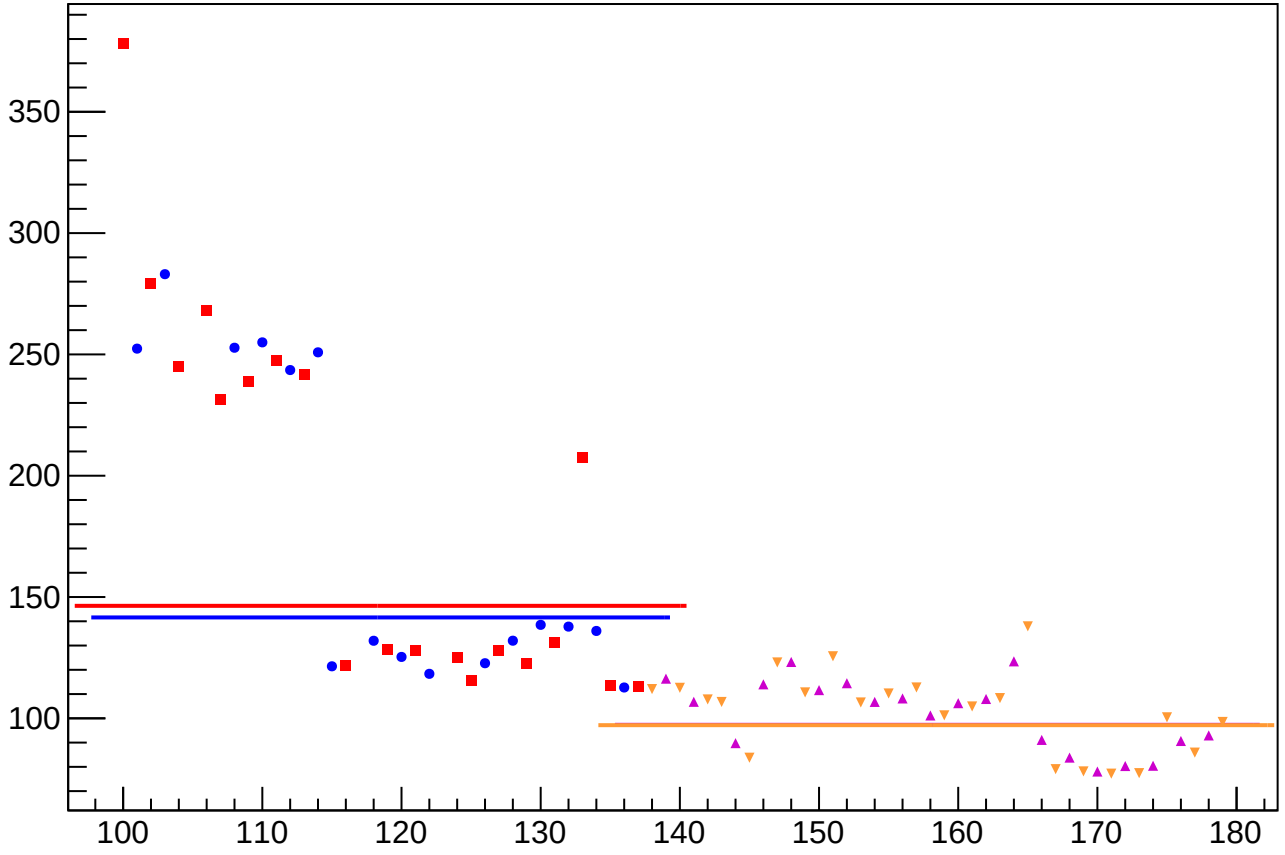
Left In: -56.002+/-24.571 χ^2/NDF:21.1/19

+ sign 31.335+/-21.791 χ^2/NDF: 53.3/37

All: -8.632+/-15.675 χ^2/NDF: 102.2/76

- sign -51.486+/-22.565 χ^2/NDF: 41.9/38

dit_asym_sam_26_avg_rms vs Slug



Right In: 141.586+/-0.039 χ^2/NDF: 1262366.8/15

Left Out: 97.178+/-0.017 χ^2/NDF:921422.8/21

Right Out: 146.368+/-0.040 χ^2/NDF: 1513656.0/18

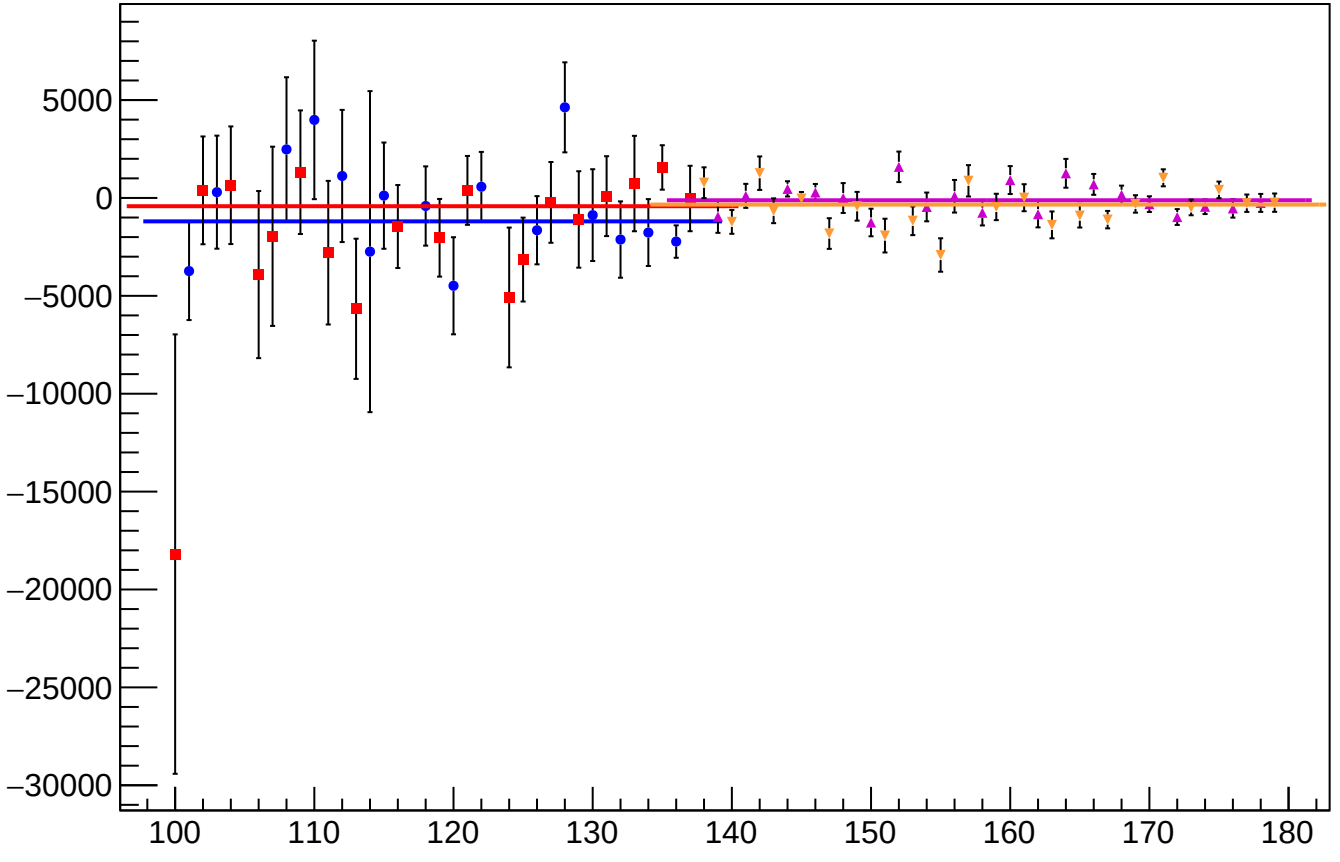
Left In: 97.325+/-0.017 χ^2/NDF:661589.3/19

+ sign 104.009+/-0.015 χ^2/NDF: 3264785.8/37

All: 104.490+/-0.011 χ^2/NDF: 6690100.7/76

- sign 105.007+/-0.016 χ^2/NDF: 3423290.5/38

asym_sam_26_avg_dit_correction_mean vs Slug



Right In: -1196.663+/-491.384 χ^2/NDF: 16.0/15

Left Out: -338.429+/-117.246 χ^2/NDF:48.1/21

Right Out: -422.161+/-523.834 χ^2/NDF: 14.3/18

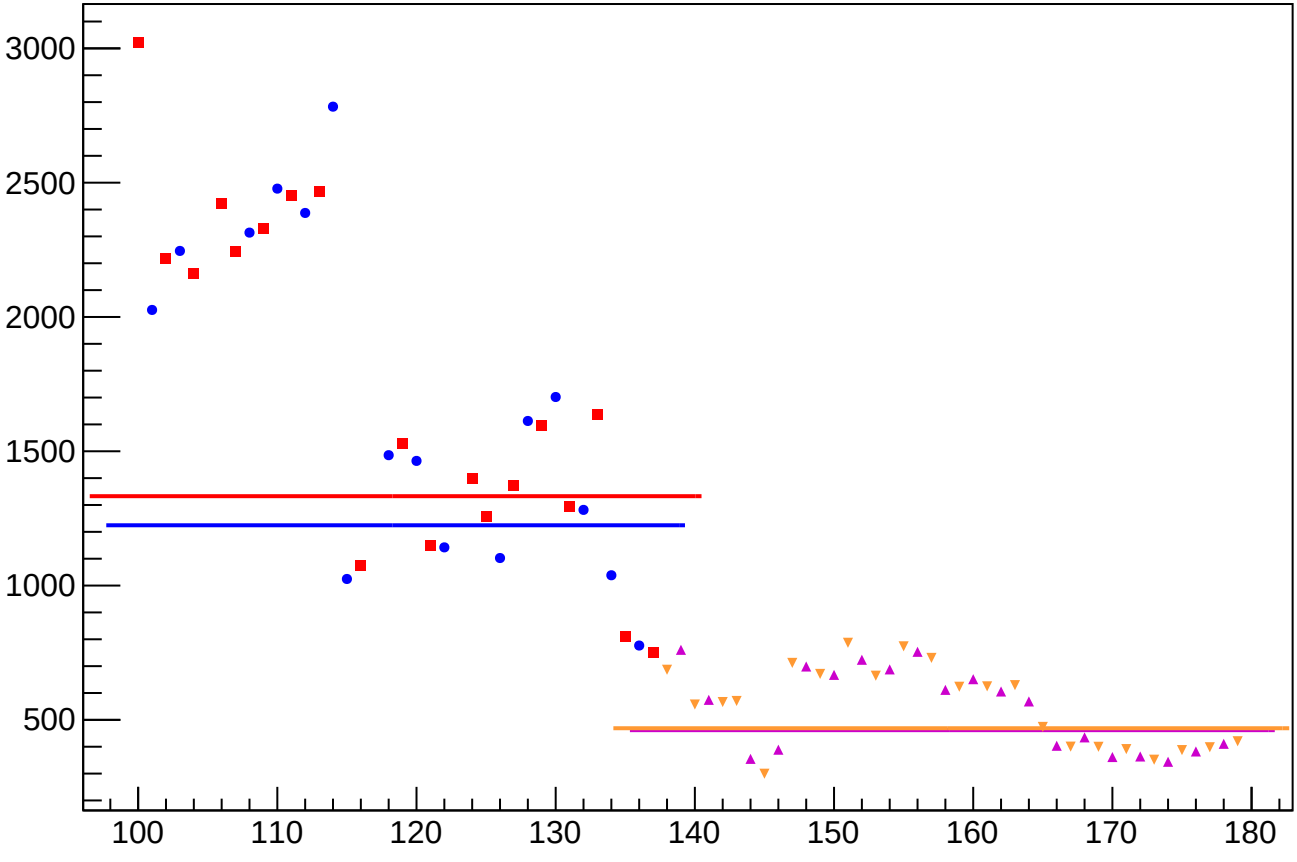
Left In: -118.558+/-119.768 χ^2/NDF:28.6/19

+ sign -384.658+/-114.045 χ^2/NDF: 66.9/37

All: -262.096+/-81.583 χ^2/NDF: 112.4/76

- sign -133.640+/-116.755 χ^2/NDF: 43.2/38

asym_sam_26_avg_dit_correction_rms vs Slug



Right In: 1224.470+/-0.347 χ^2/NDF: 1959362.3/15

Left Out: 468.821+/-0.083 χ^2/NDF:2809633.2/21

Right Out: 1332.785+/-0.370 χ^2/NDF: 1994811.5/18

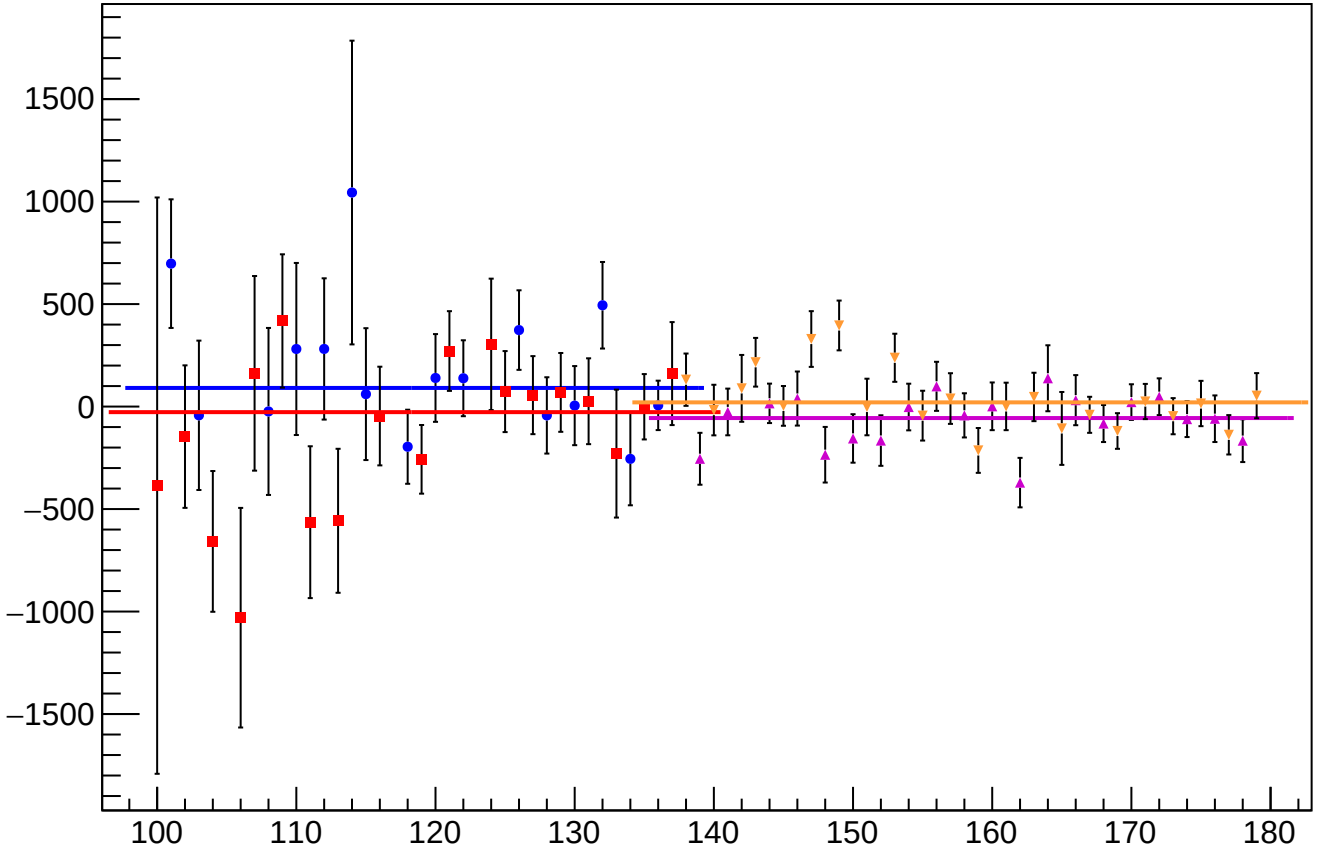
Left In: 461.698+/-0.085 χ^2/NDF:2489045.5/19

+ sign 509.524+/-0.081 χ^2/NDF: 9243874.6/37

All: 507.301+/-0.058 χ^2/NDF: 18985061.9/76

- sign 504.971+/-0.083 χ^2/NDF: 9739630.9/38

eigen_dit_asym_sam_26_avg_mean vs Slug



Right In: 90.910+/-55.564 χ^2/NDF: 18.1/15

Left Out: 20.505+/-23.689 χ^2/NDF:33.9/21

Right Out: -27.170+/-57.015 χ^2/NDF: 20.6/18

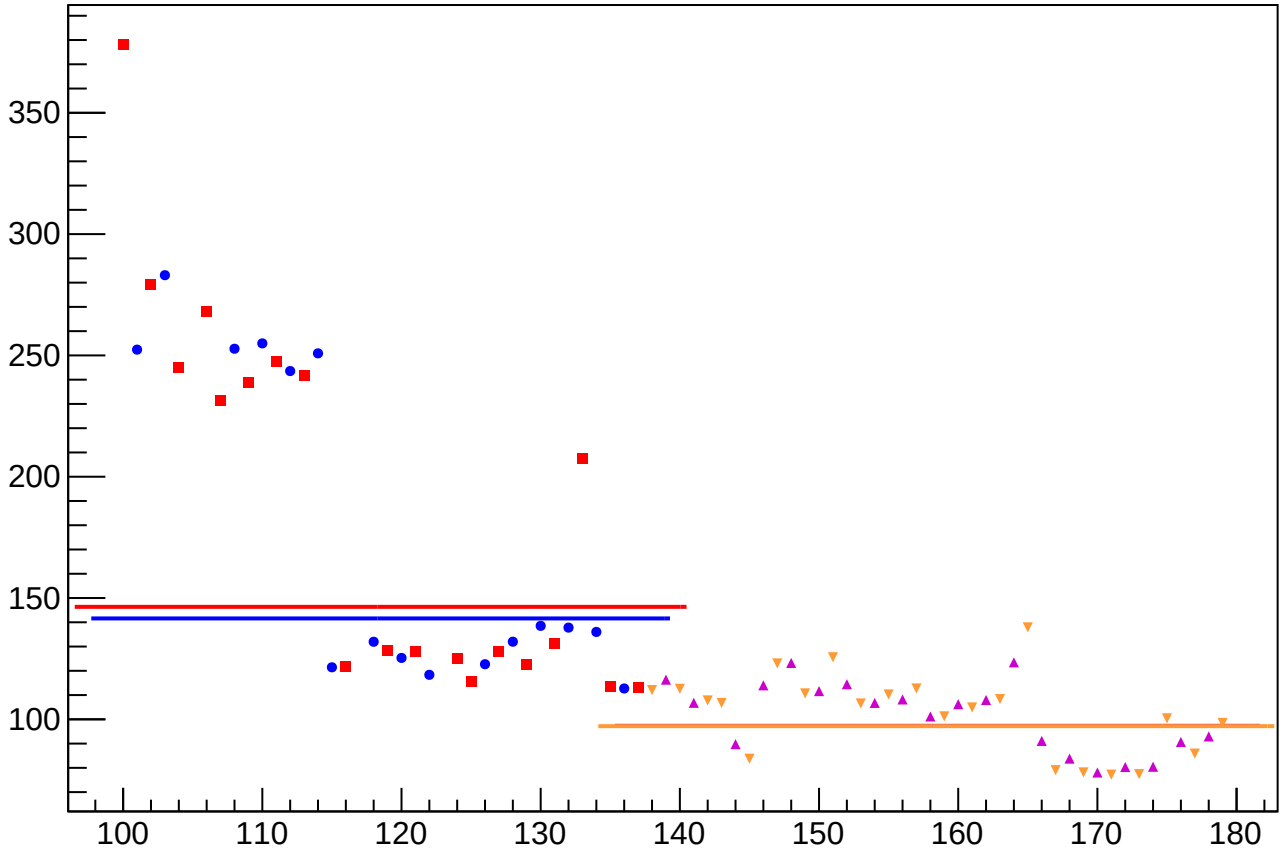
Left In: -56.000+/-24.571 χ^2/NDF:21.1/19

+ sign 31.334+/-21.791 χ^2/NDF: 53.3/37

All: -8.632+/-15.675 χ^2/NDF: 102.2/76

- sign -51.485+/-22.565 χ^2/NDF: 41.9/38

eigen_dit_asym_sam_26_avg_rms vs Slug



Right In: 141.586+/-0.039 χ^2/NDF: 1262350.2/15

Left Out: 97.179+/-0.017 χ^2/NDF:921423.0/21

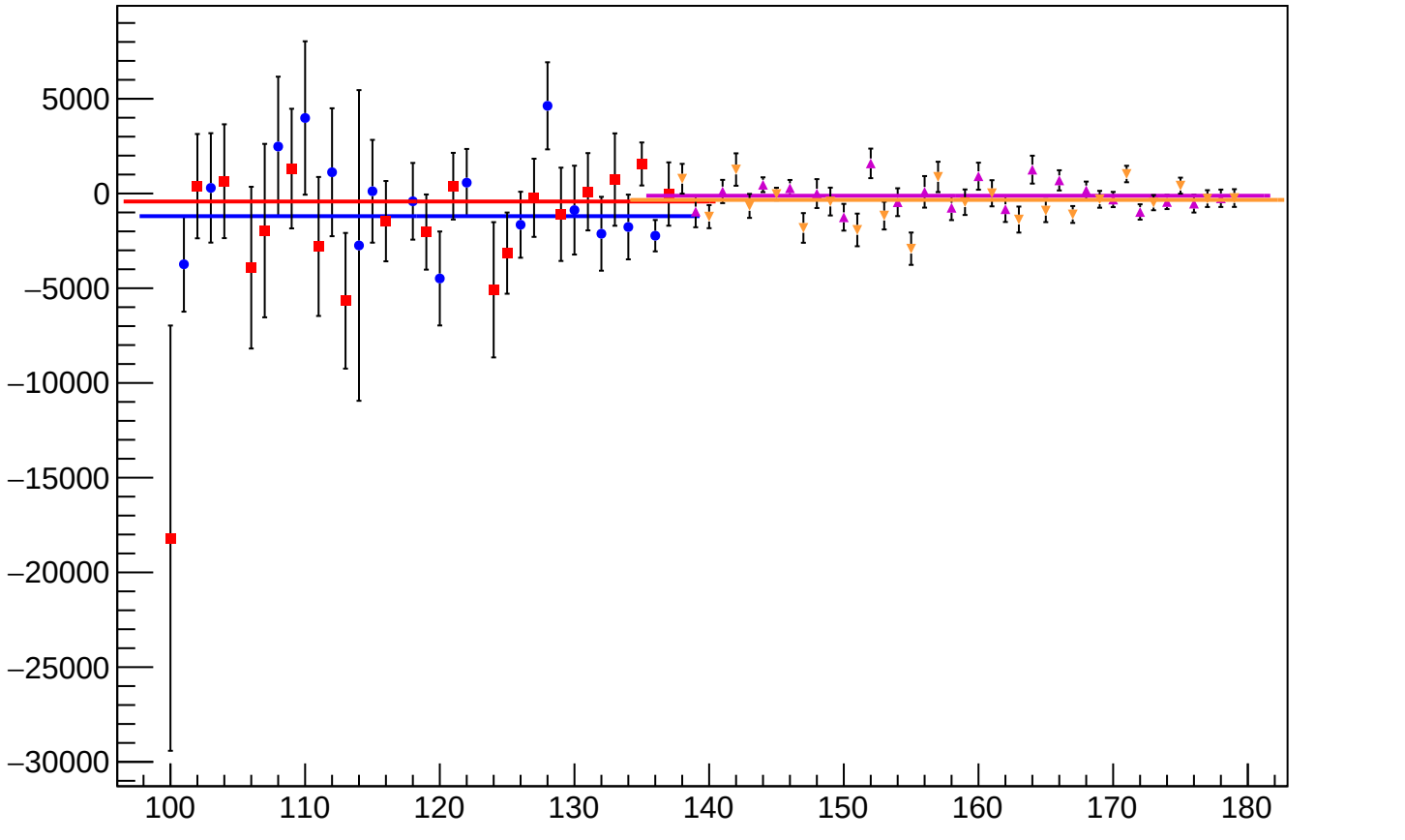
Right Out: 146.368+/-0.040 χ^2/NDF: 1513641.5/18

Left In: 97.325+/-0.017 χ^2/NDF:661578.7/19

+ sign 104.009+/-0.015 χ^2/NDF: 3264731.0/37

All: 104.490+/-0.011 χ^2/NDF: 6689987.4/76

- sign 105.007+/-0.016 χ^2/NDF: 3423231.4/38



Right In: -1196.659+/-491.383 χ^2/NDF: 16.0/15

Left Out: -338.429+/-117.246 χ^2/NDF:48.1/21

Right Out: -422.163+/-523.833 χ^2/NDF: 14.3/18

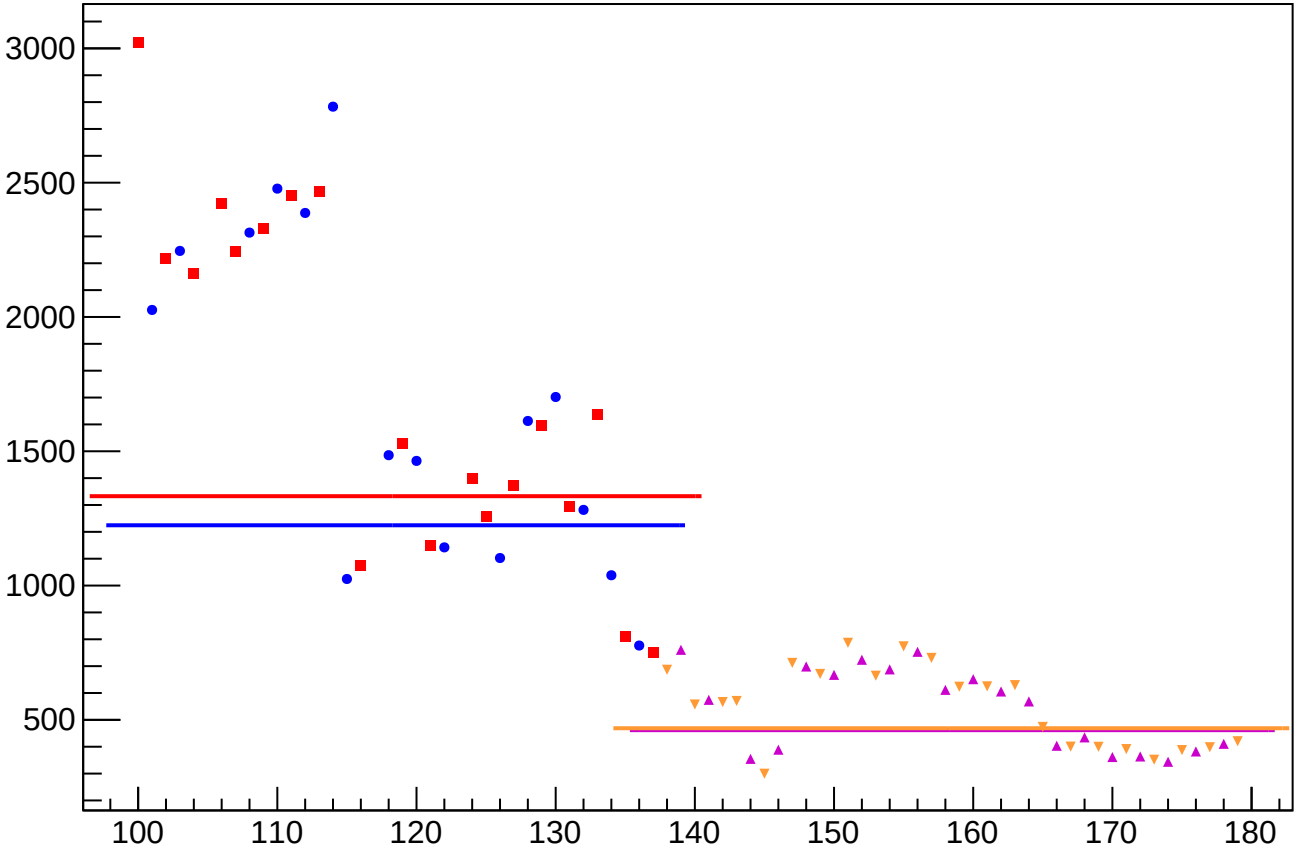
Left In: -118.557+/-119.768 χ^2/NDF:28.6/19

+ sign -384.657+/-114.045 χ^2/NDF: 66.9/37

All: -262.095+/-81.583 χ^2/NDF: 112.4/76

- sign -133.639+/-116.755 χ^2/NDF: 43.2/38

asym_sam_26_avg_eigen_dit_correction_rms vs Slug



Right In: 1224.470+/-0.347 χ^2/NDF: 1959341.1/15

Left Out: 468.821+/-0.083 χ^2/NDF:2809655.1/21

Right Out: 1332.784+/-0.370 χ^2/NDF: 1994794.3/18

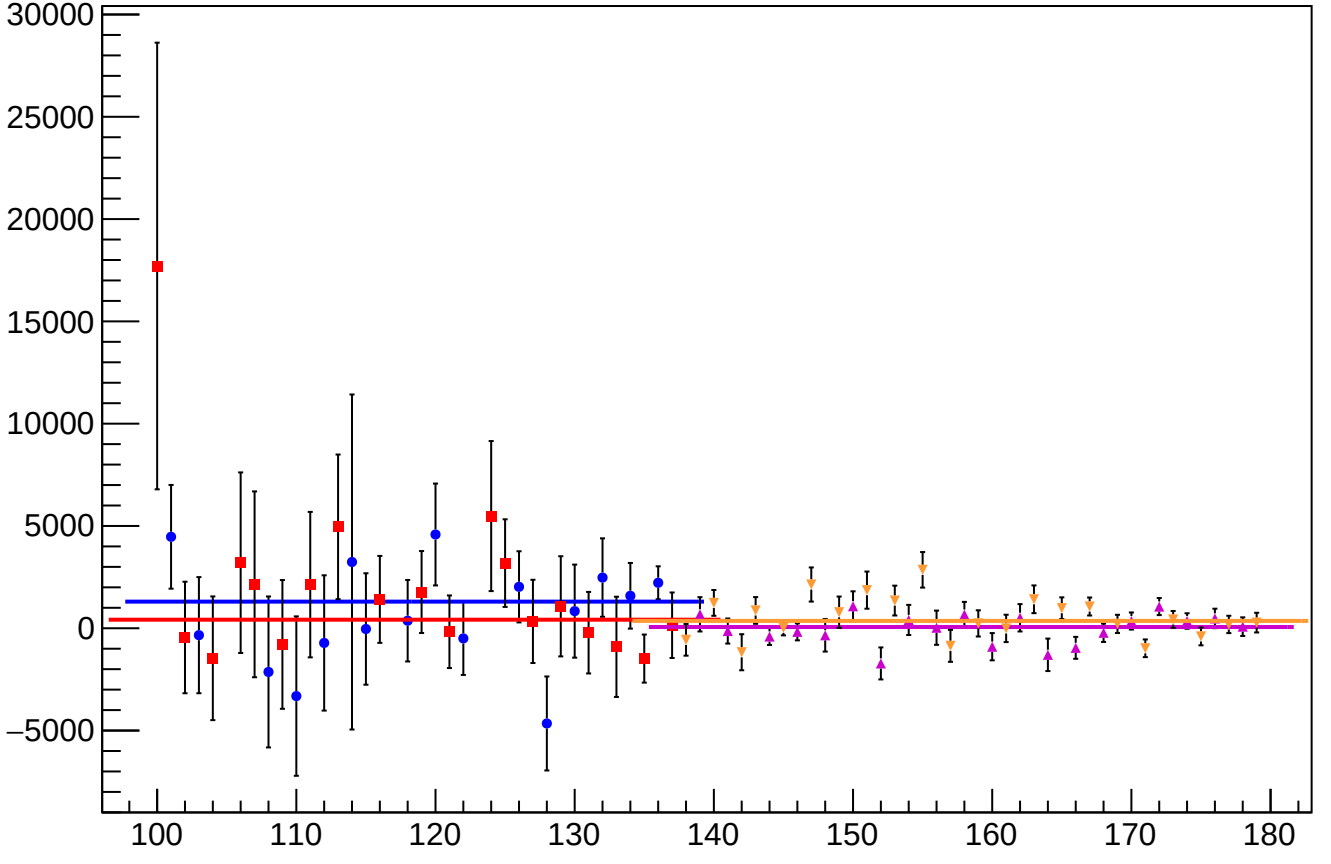
Left In: 461.698+/-0.085 χ^2/NDF:2489044.7/19

+ sign 509.524+/-0.081 χ^2/NDF: 9243885.7/37

All: 507.301+/-0.058 χ^2/NDF: 18985057.4/76

- sign 504.971+/-0.083 χ^2/NDF: 9739615.8/38

asym_sam_26_avg_mean vs Slug



Right In: 1301.623+/-481.959 χ^2/NDF: 16.5/15

Left Out: 359.236+/-118.489 χ^2/NDF:47.6/21

Right Out: 418.283+/-524.515 χ^2/NDF: 13.0/18

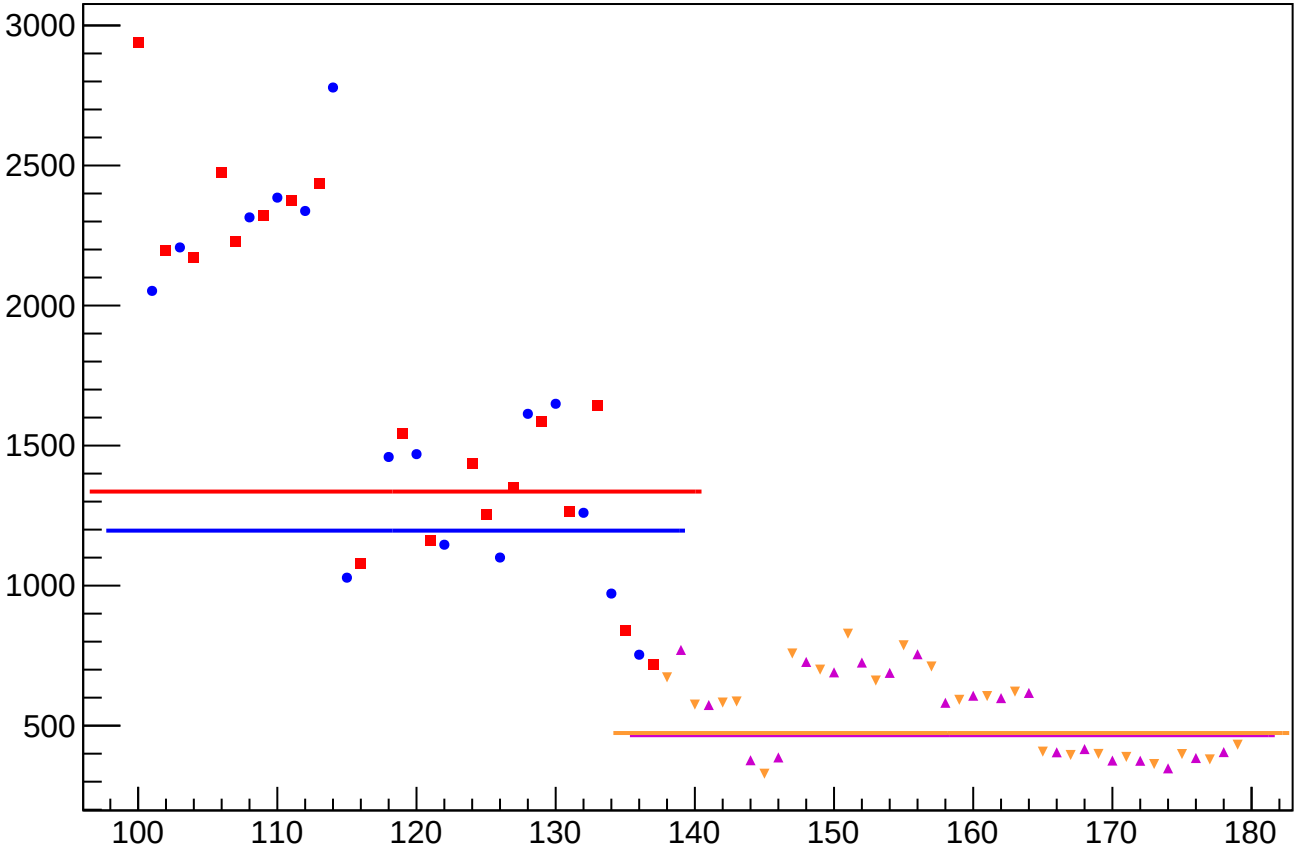
Left In: 60.014+/-120.466 χ^2/NDF:27.9/19

+ sign 412.949+/-115.062 χ^2/NDF: 67.7/37

All: 248.839+/-82.179 χ^2/NDF: 113.2/76

- sign 77.966+/-117.410 χ^2/NDF: 41.4/38

asym_sam_26_avg_rms vs Slug



Right In: 1196.353+/-0.341 χ^2/NDF: 2031710.2/15

Left Out: 473.722+/-0.084 χ^2/NDF:2655287.8/21

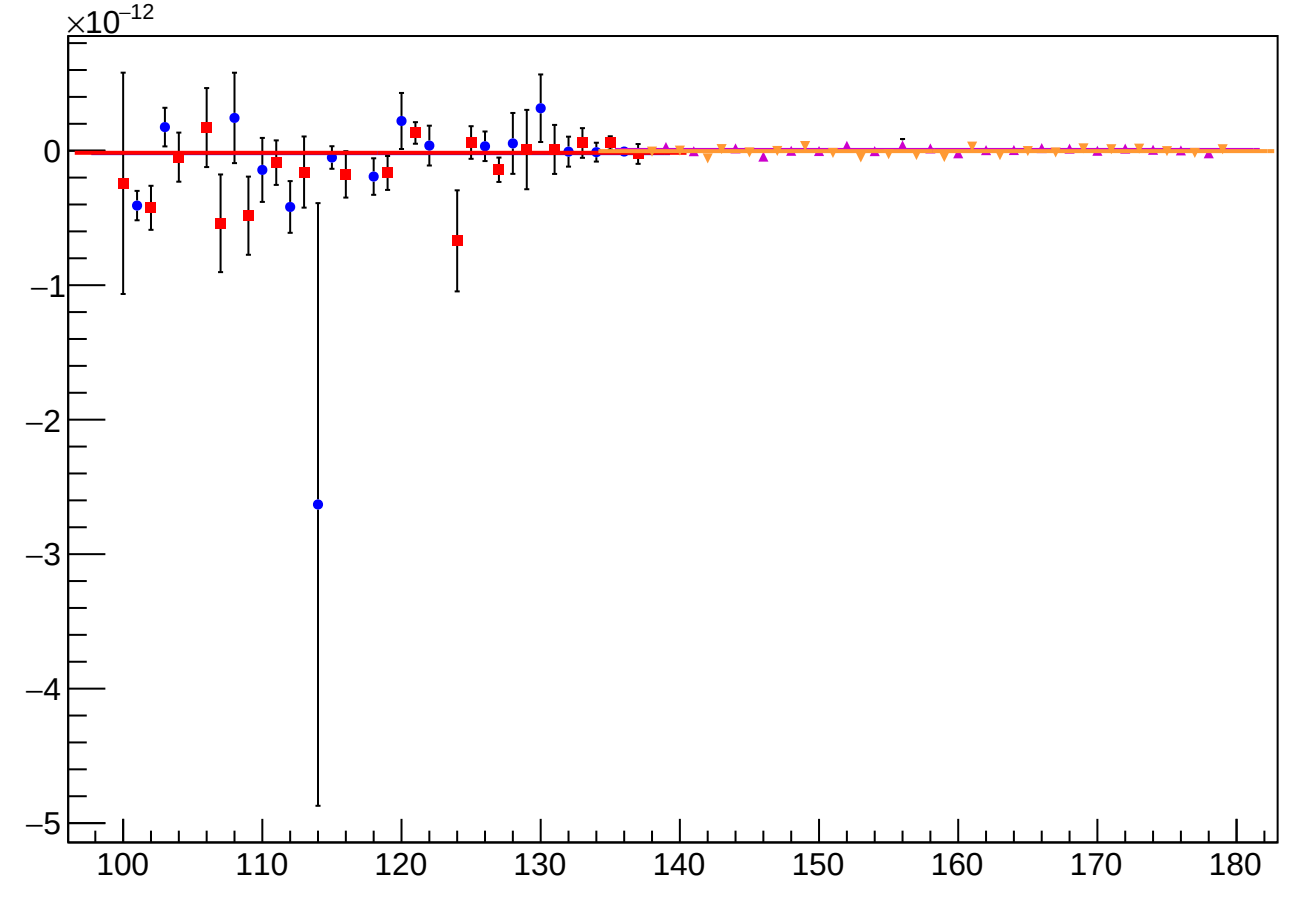
Right Out: 1335.809+/-0.371 χ^2/NDF: 1951472.1/18

Left In: 465.940+/-0.085 χ^2/NDF:2377603.2/19

+ sign 514.910+/-0.081 χ^2/NDF: 8926905.4/37

All: 512.272+/-0.058 χ^2/NDF: 18483254.0/76

- sign 509.525+/-0.083 χ^2/NDF: 9554203.0/38



Right In: -0.000+/-0.000 χ^2/NDF: 26.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.8/21

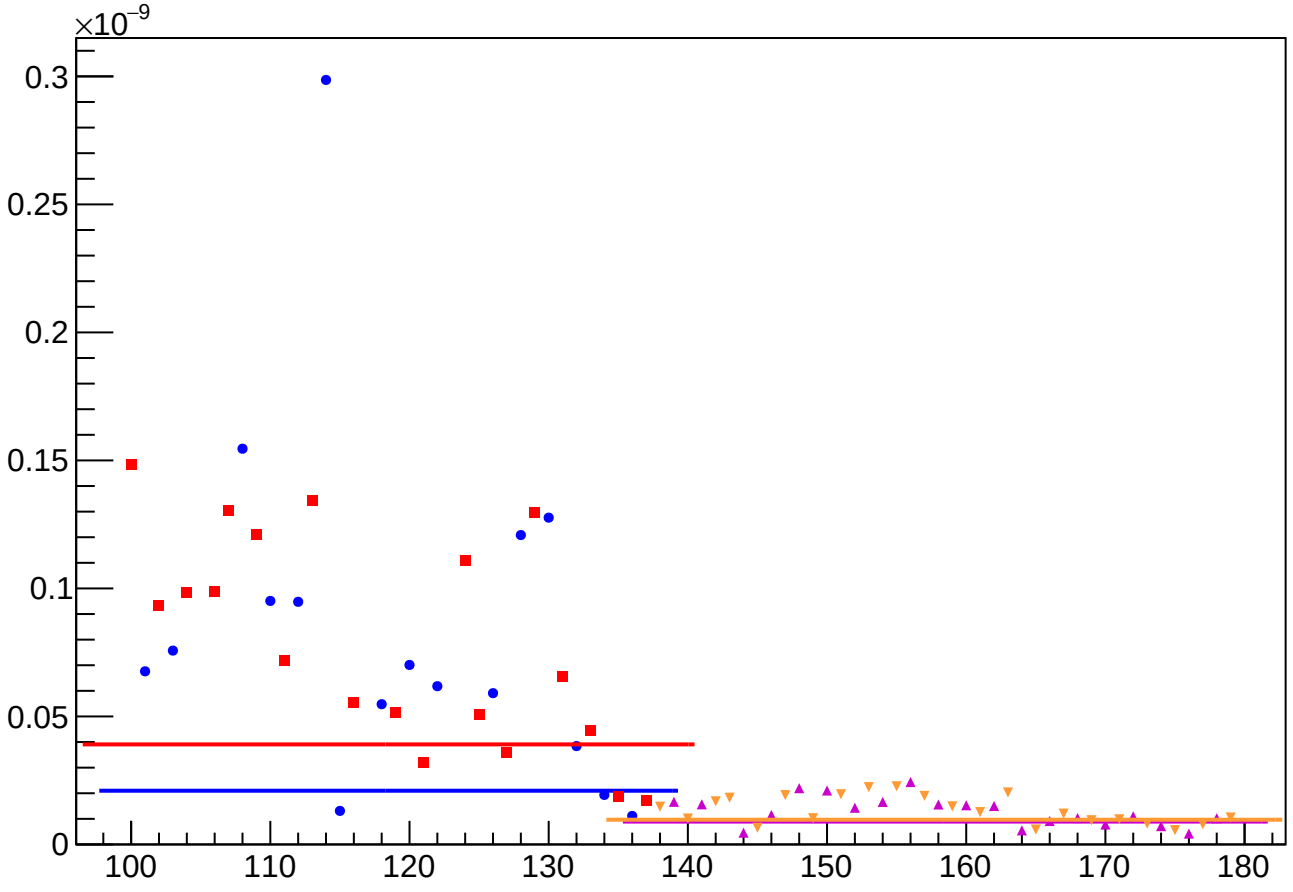
Right Out: -0.000+/-0.000 χ^2/NDF: 25.6/18

Left In: 0.000+/-0.000 χ^2/NDF:15.1/19

+ sign -0.000+/-0.000 χ^2/NDF: 47.2/37

All: 0.000+/-0.000 χ^2/NDF: 91.1/76

- sign 0.000+/-0.000 χ^2/NDF: 41.3/38



Right In: 0.000+/-0.000 χ^2/NDF: 3380958.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:2379259.6/21

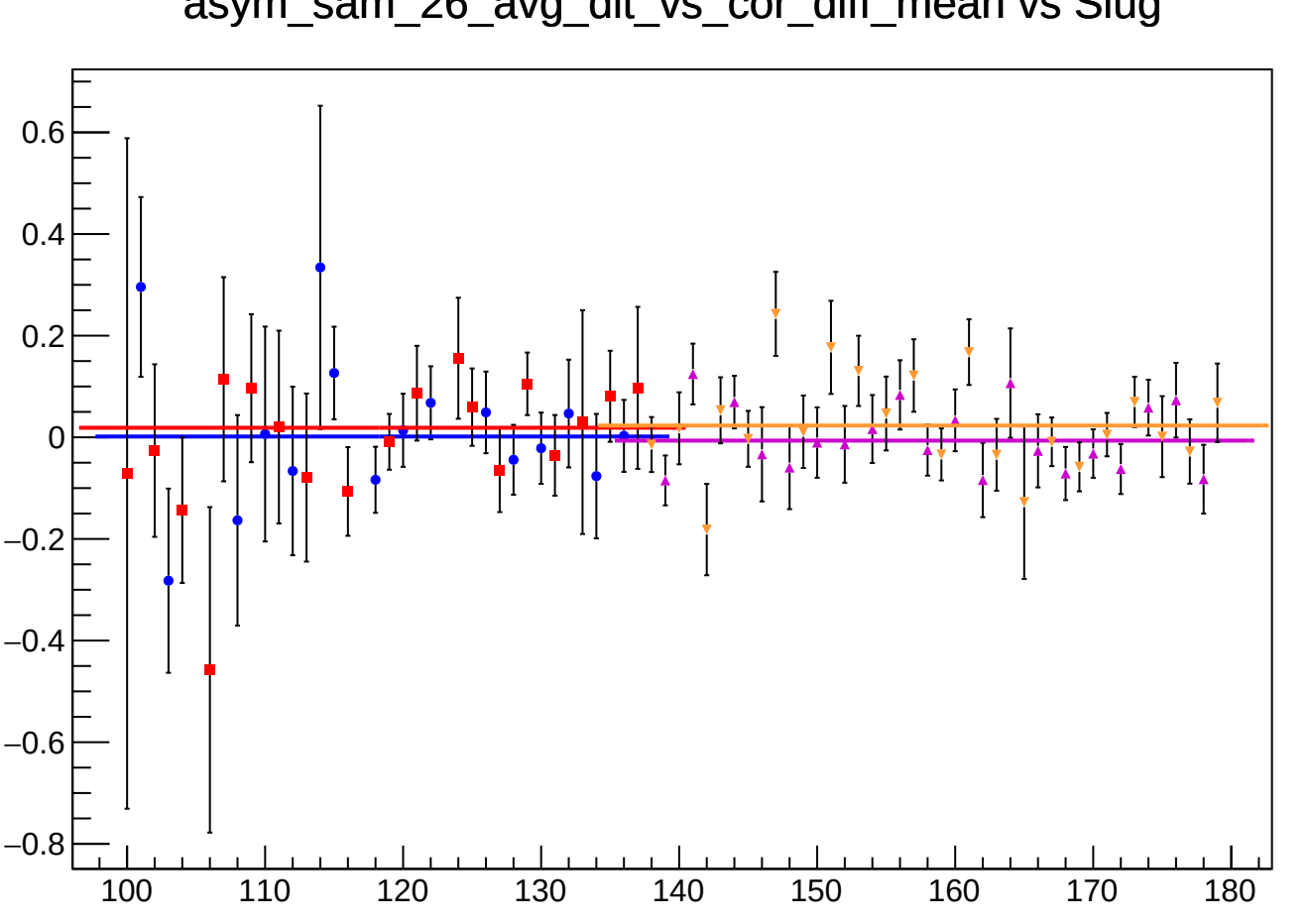
Right Out: 0.000+/-0.000 χ^2/NDF: 2073862.3/18

Left In: 0.000+/-0.000 χ^2/NDF:2590550.3/19

+ sign 0.000+/-0.000 χ^2/NDF: 6528853.3/37

All: 0.000+/-0.000 χ^2/NDF: 13556034.5/76

- sign 0.000+/-0.000 χ^2/NDF: 7002598.9/38



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.023+/-0.013 χ^2/NDF:33.7/21

Right Out: 0.019+/-0.024 χ^2/NDF: 13.1/18

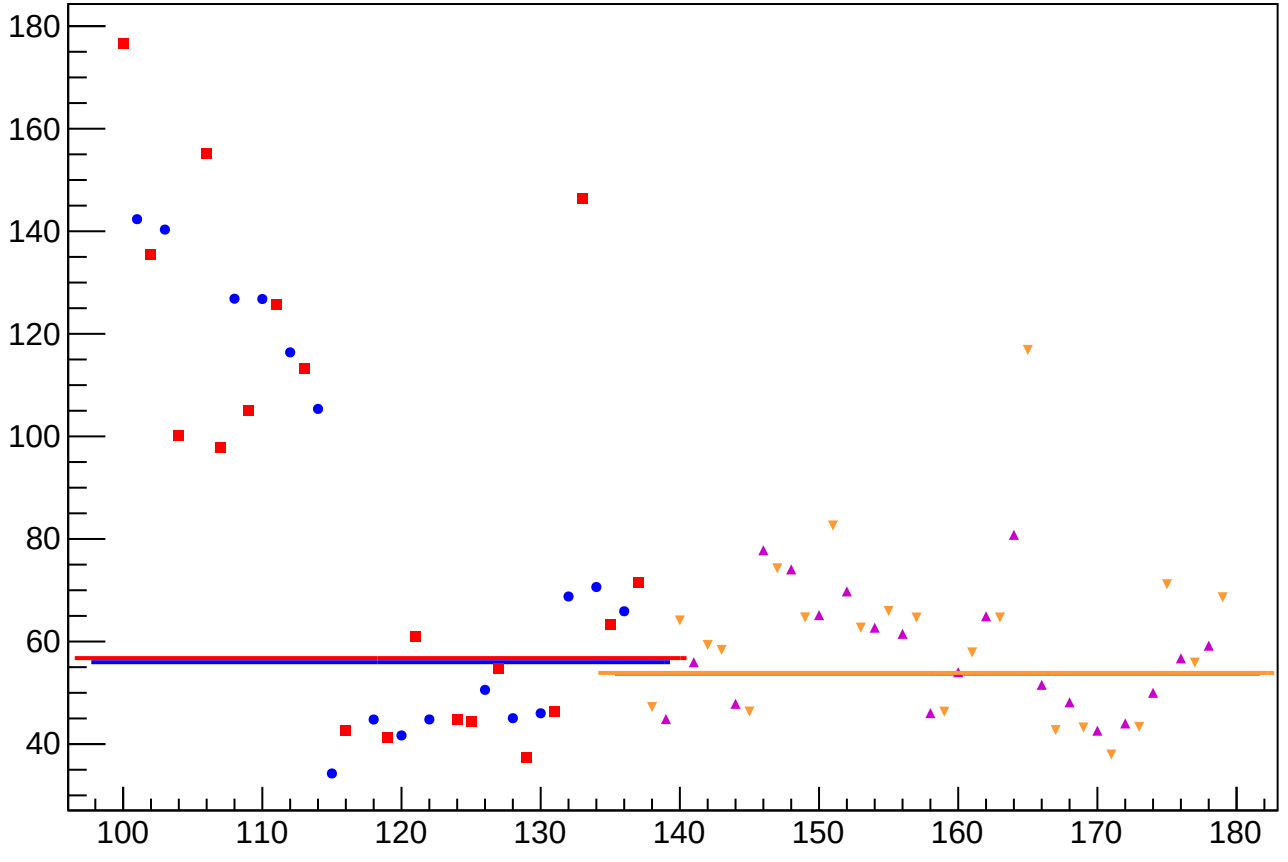
Left In: -0.006+/-0.014 χ^2/NDF:21.7/19

+ sign 0.018+/-0.012 χ^2/NDF: 47.5/37

All: 0.009+/-0.008 χ^2/NDF: 84.2/76

- sign 0.000+/-0.012 χ^2/NDF: 35.6/38

asym_sam_26_avg_dit_vs_cor_diff_rms vs Slug



Right In: 55.968+/-0.017 χ^2/NDF: 2179829.3/15

Left Out: 53.881+/-0.009 χ^2/NDF:1813109.3/21

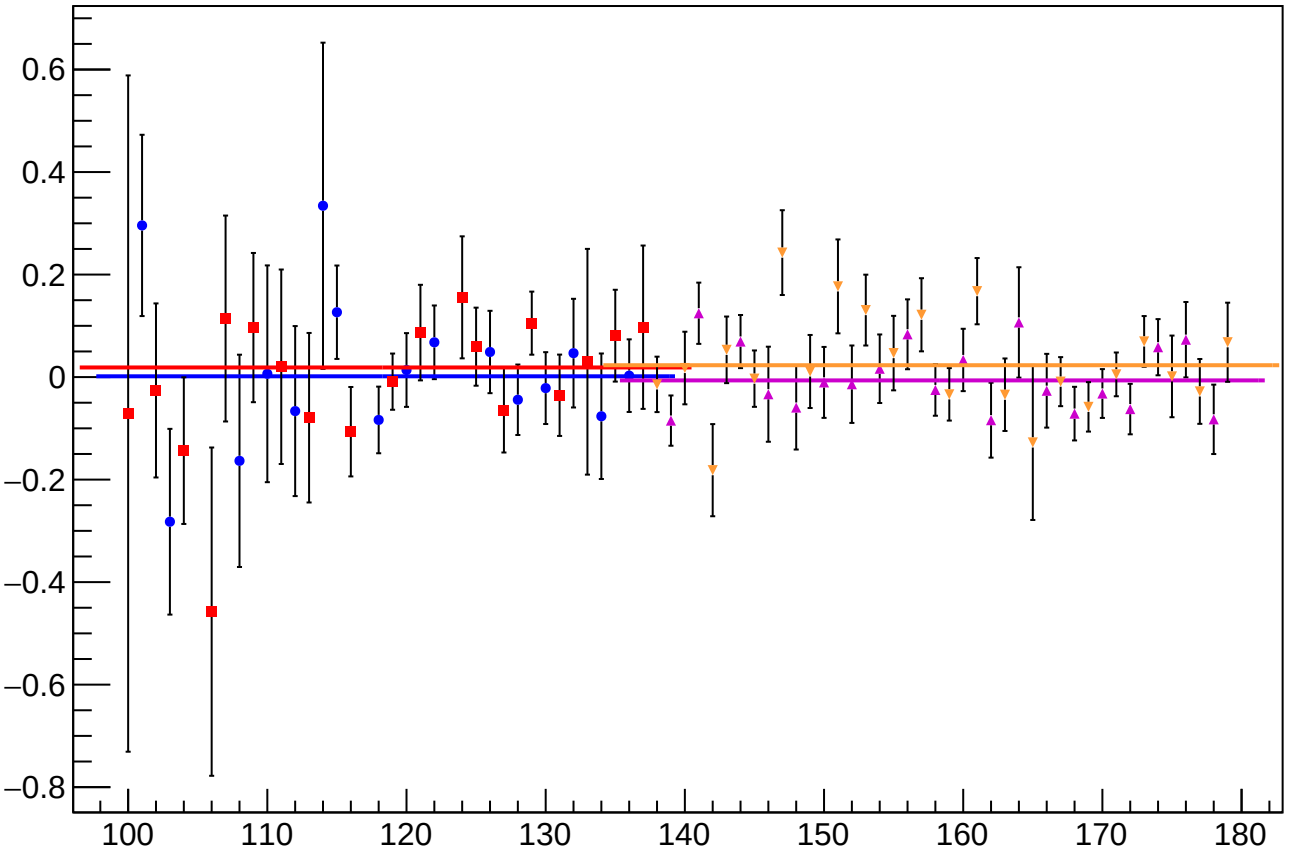
Right Out: 56.770+/-0.017 χ^2/NDF: 2553223.5/18

Left In: 53.751+/-0.010 χ^2/NDF:1015071.6/19

+ sign 54.397+/-0.008 χ^2/NDF: 4004904.3/37

All: 54.459+/-0.006 χ^2/NDF: 7597839.3/76

- sign 54.525+/-0.008 χ^2/NDF: 3592816.3/38



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.023+/-0.013 χ^2/NDF:33.7/21

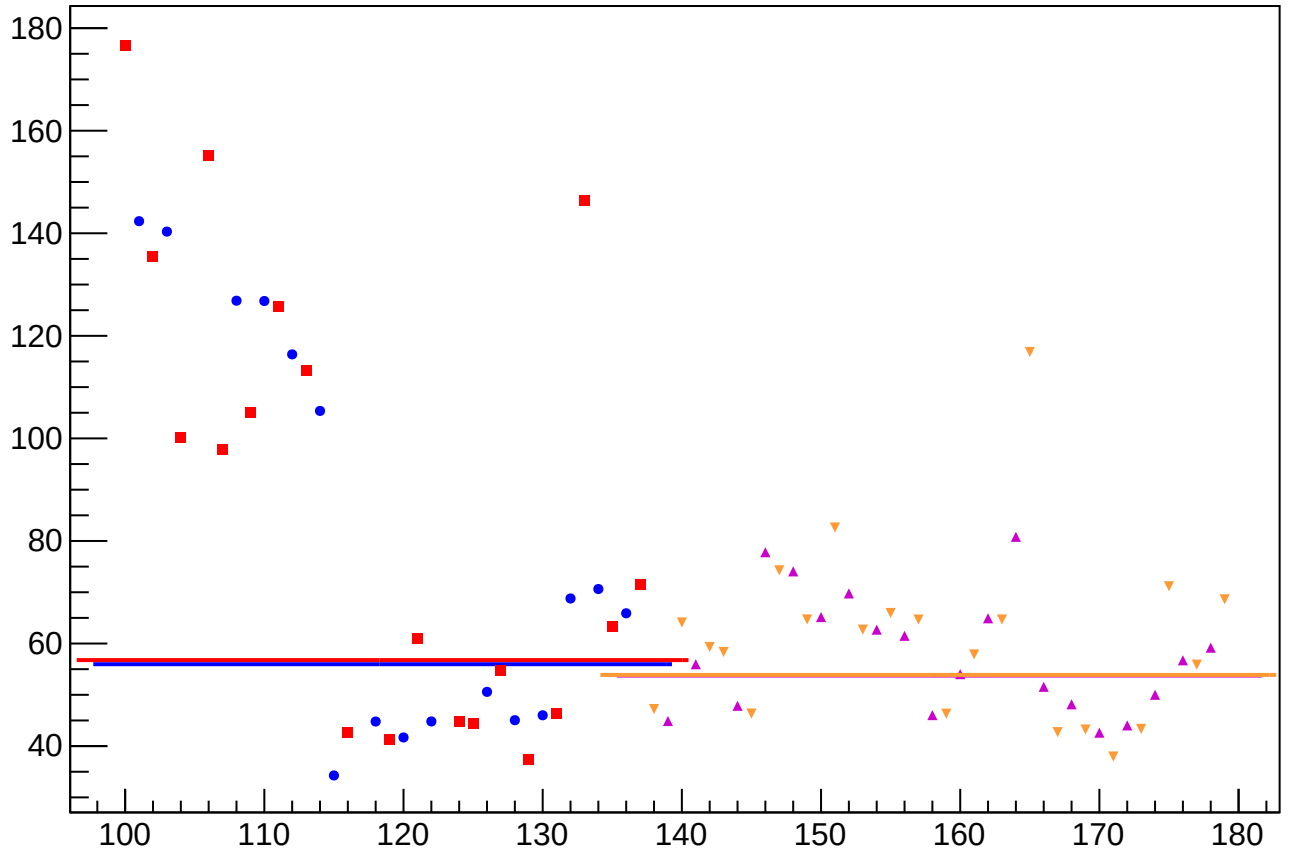
Right Out: 0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: -0.006+/-0.014 χ^2/NDF:21.7/19

\+ sign 0.018+/-0.012 χ^2/NDF: 47.5/37

All: 0.009+/-0.008 χ^2/NDF: 84.2/76

\- sign 0.000+/-0.012 χ^2/NDF: 35.6/38



Right In: 55.968+/-0.017 χ^2/NDF: 2179829.3/15

Left Out: 53.881+/-0.009 χ^2/NDF:1813109.3/21

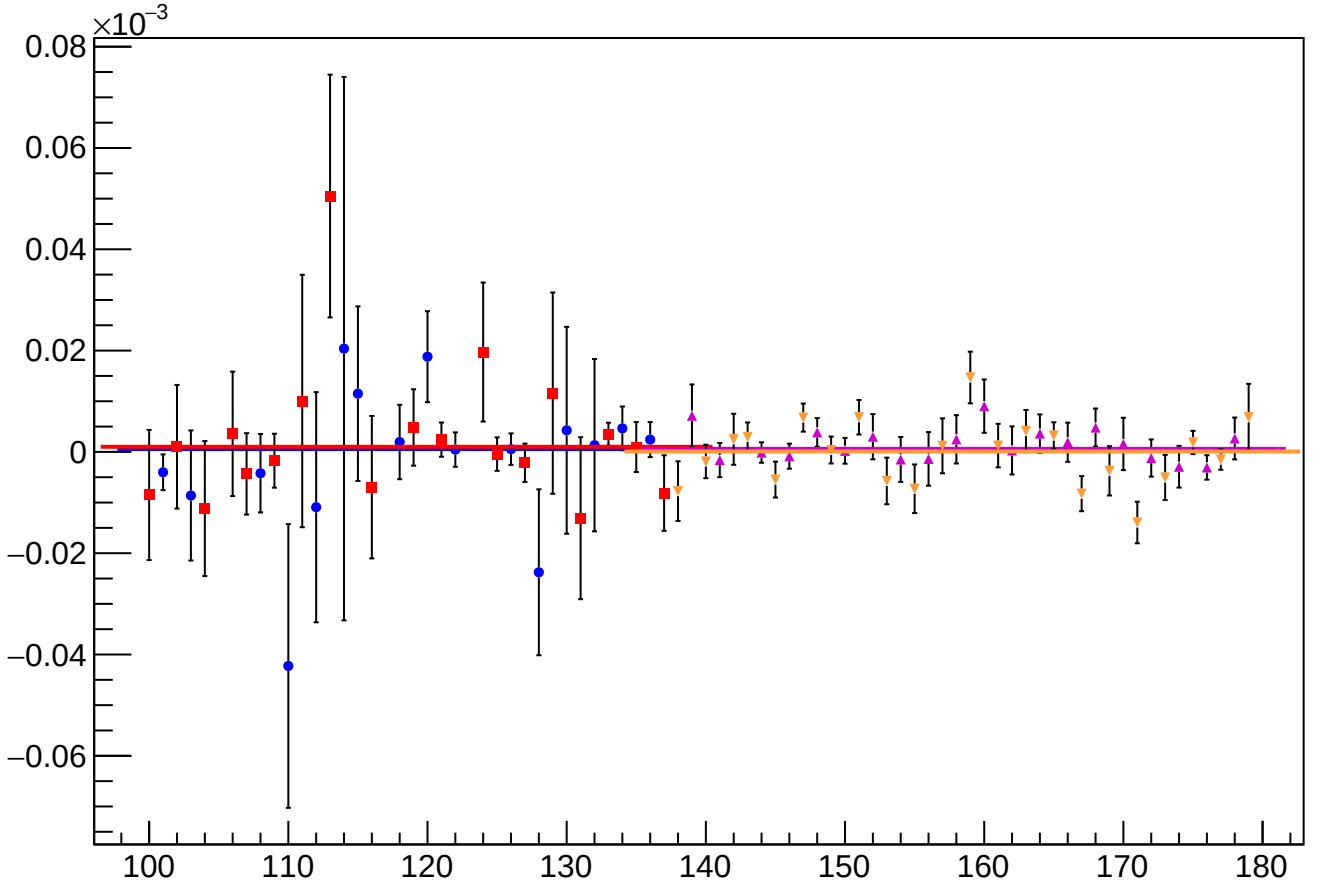
Right Out: 56.770+/-0.017 χ^2/NDF: 2553223.5/18

Left In: 53.751+/-0.010 χ^2/NDF:1015071.6/19

+ sign 54.397+/-0.008 χ^2/NDF: 4004904.3/37

All: 54.459+/-0.006 χ^2/NDF: 7597839.3/76

- sign 54.525+/-0.008 χ^2/NDF: 3592816.3/38



Right In: 0.000+/-0.000 χ^2/NDF: 13.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:51.9/21

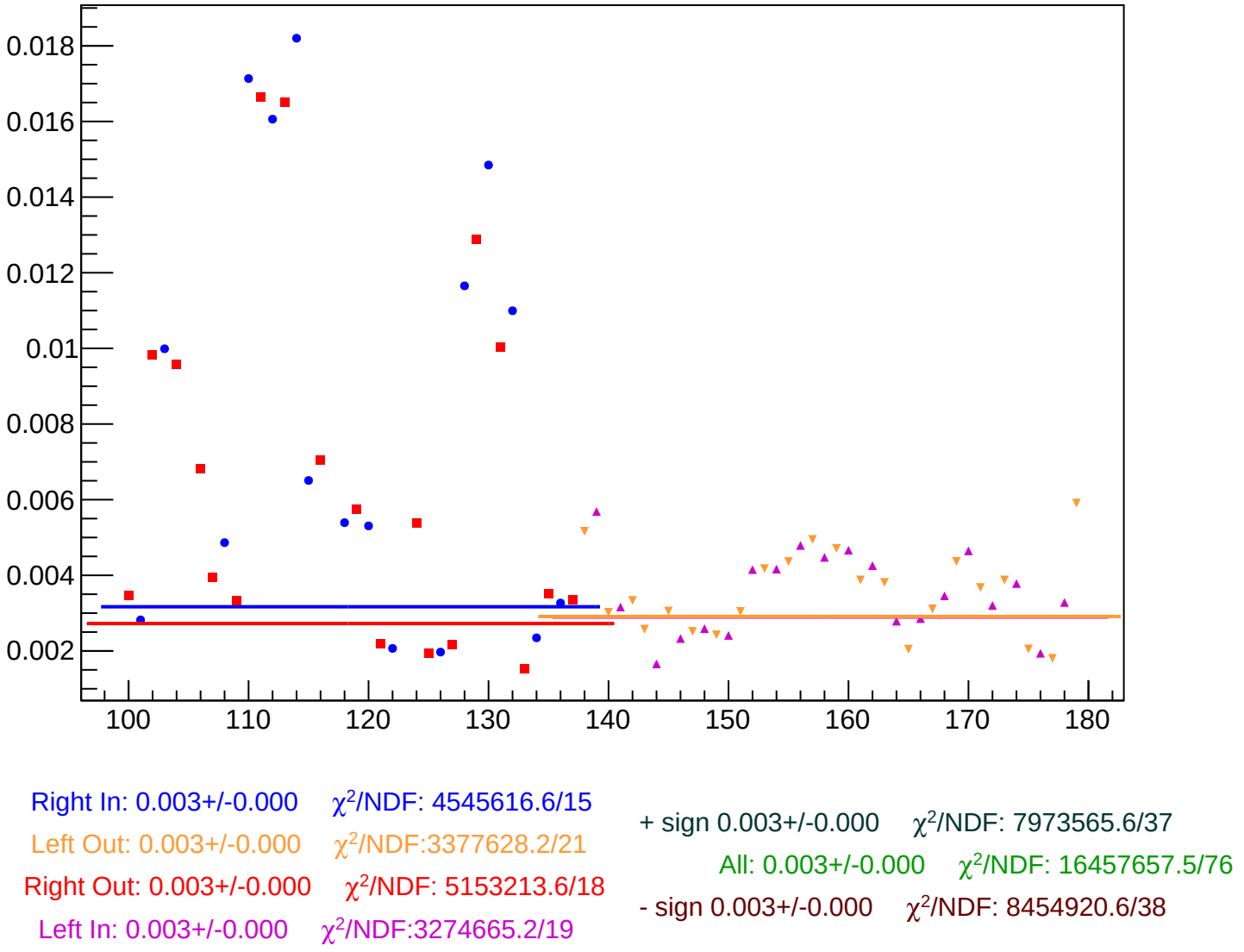
Right Out: 0.000+/-0.000 χ^2/NDF: 13.8/18

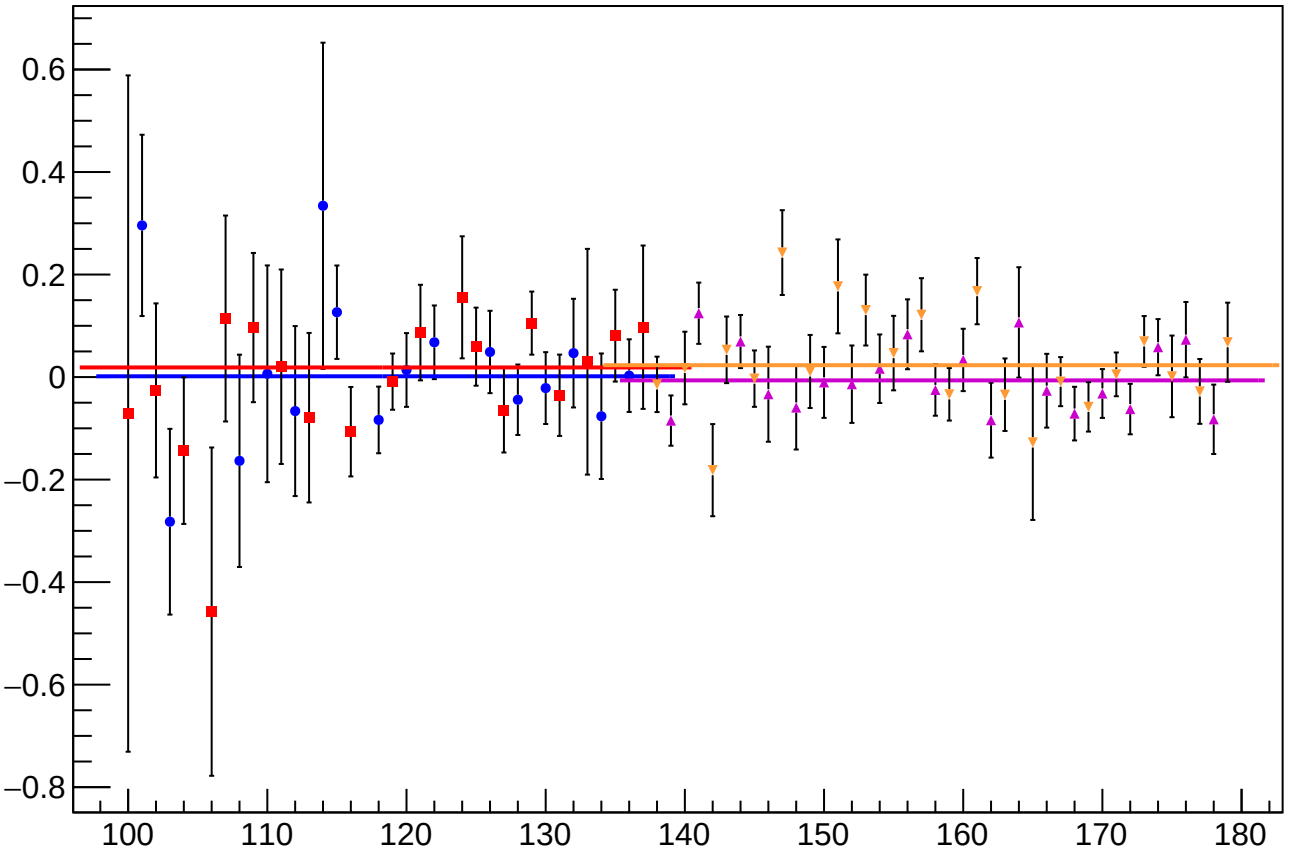
Left In: 0.000+/-0.000 χ^2/NDF:12.3/19

+ sign 0.000+/-0.000 χ^2/NDF: 65.3/37

All: 0.000+/-0.000 χ^2/NDF: 91.8/76

- sign 0.000+/-0.000 χ^2/NDF: 26.2/38


asym_sam_26_avg_eigen_dit_vs_dit_diff_rms vs Slug
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
180
Right In: 0.003+/-0.000 χ²/NDF: 4545616.6/15
Left Out: 0.003+/-0.000 χ²/NDF:3377628.2/21
Right Out: 0.003+/-0.000 χ²/NDF: 5153213.6/18
Left In: 0.003+/-0.000 χ²/NDF:3274665.2/19
+ sign 0.003+/-0.000 χ²/NDF: 7973565.6/37
All: 0.003+/-0.000 χ²/NDF: 16457657.5/76
- sign 0.003+/-0.000 χ²/NDF: 8454920.6/38



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.023+/-0.013 χ^2/NDF:33.7/21

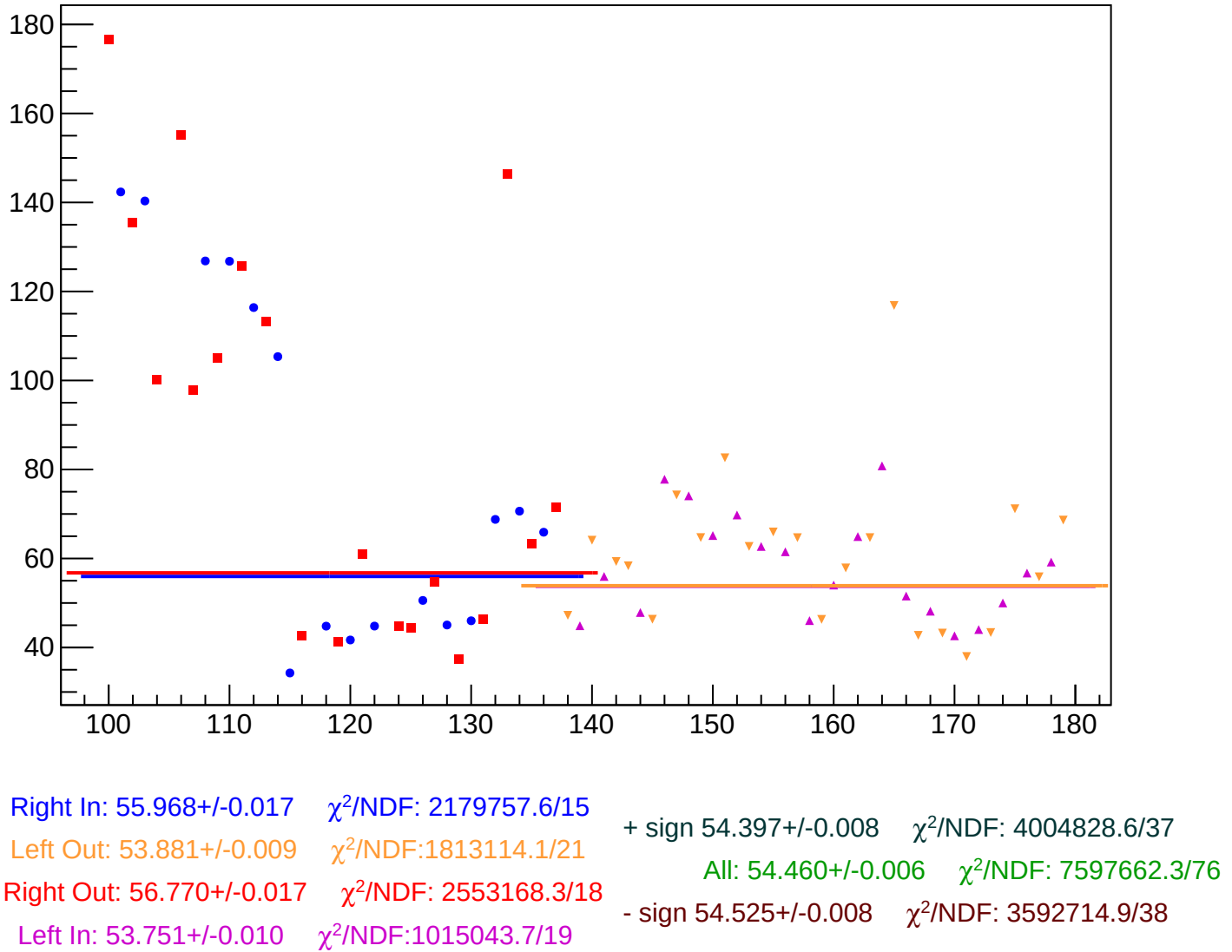
Right Out: 0.019+/-0.024 χ^2/NDF: 13.1/18

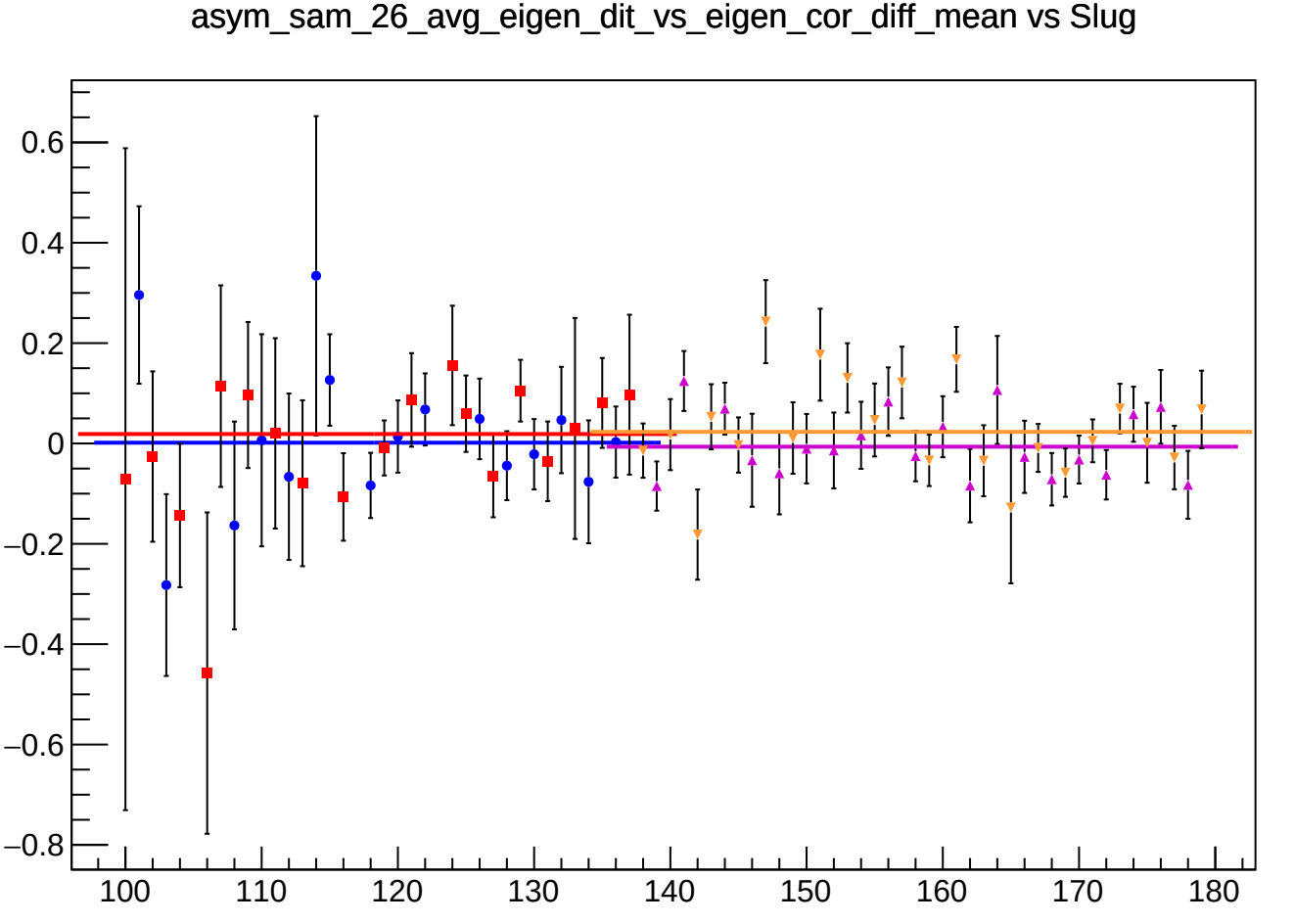
Left In: -0.006+/-0.014 χ^2/NDF:21.7/19

\+ sign 0.018+/-0.012 χ^2/NDF: 47.5/37

All: 0.009+/-0.008 χ^2/NDF: 84.2/76

\- sign 0.000+/-0.012 χ^2/NDF: 35.6/38


asym_sam_26_avg_eigen_dit_vs_cor_diff_rms vs Slug
180
160
140
120
100
80
60
40
100
110
120
130
140
150
160
170
180
Right In: 55.968+/-0.017 χ²/NDF: 2179757.6/15
Left Out: 53.881+/-0.009 χ²/NDF:1813114.1/21
Right Out: 56.770+/-0.017 χ²/NDF: 2553168.3/18
Left In: 53.751+/-0.010 χ²/NDF:1015043.7/19
+ sign 54.397+/-0.008 χ²/NDF: 4004828.6/37
All: 54.460+/-0.006 χ²/NDF: 7597662.3/76
- sign 54.525+/-0.008 χ²/NDF: 3592714.9/38



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.023+/-0.013 χ^2/NDF:33.7/21

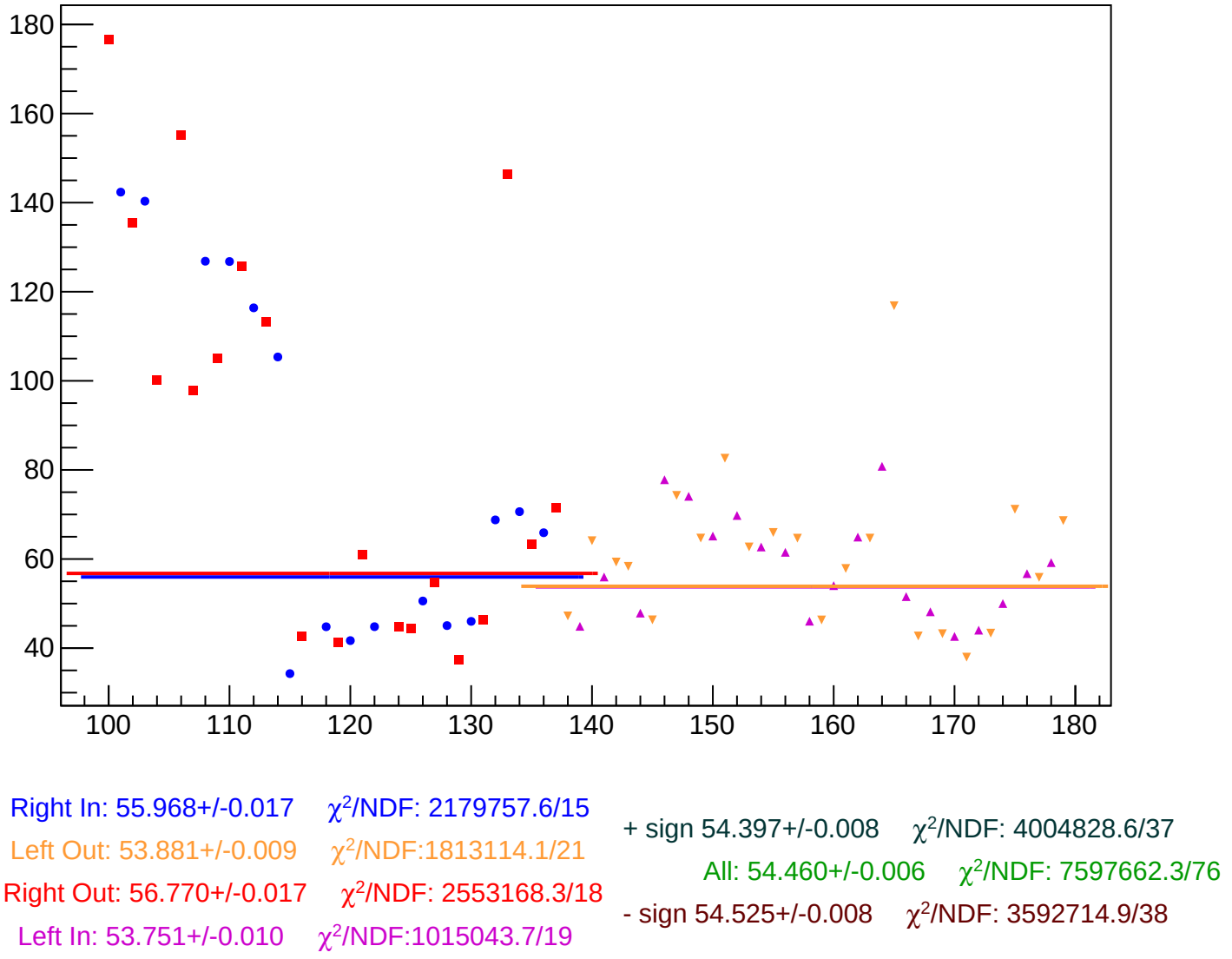
Right Out: 0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: -0.006+/-0.014 χ^2/NDF:21.7/19

\+ sign 0.018+/-0.012 χ^2/NDF: 47.5/37

All: 0.009+/-0.008 χ^2/NDF: 84.2/76

\- sign 0.000+/-0.012 χ^2/NDF: 35.6/38


asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
180
160
140
120
100
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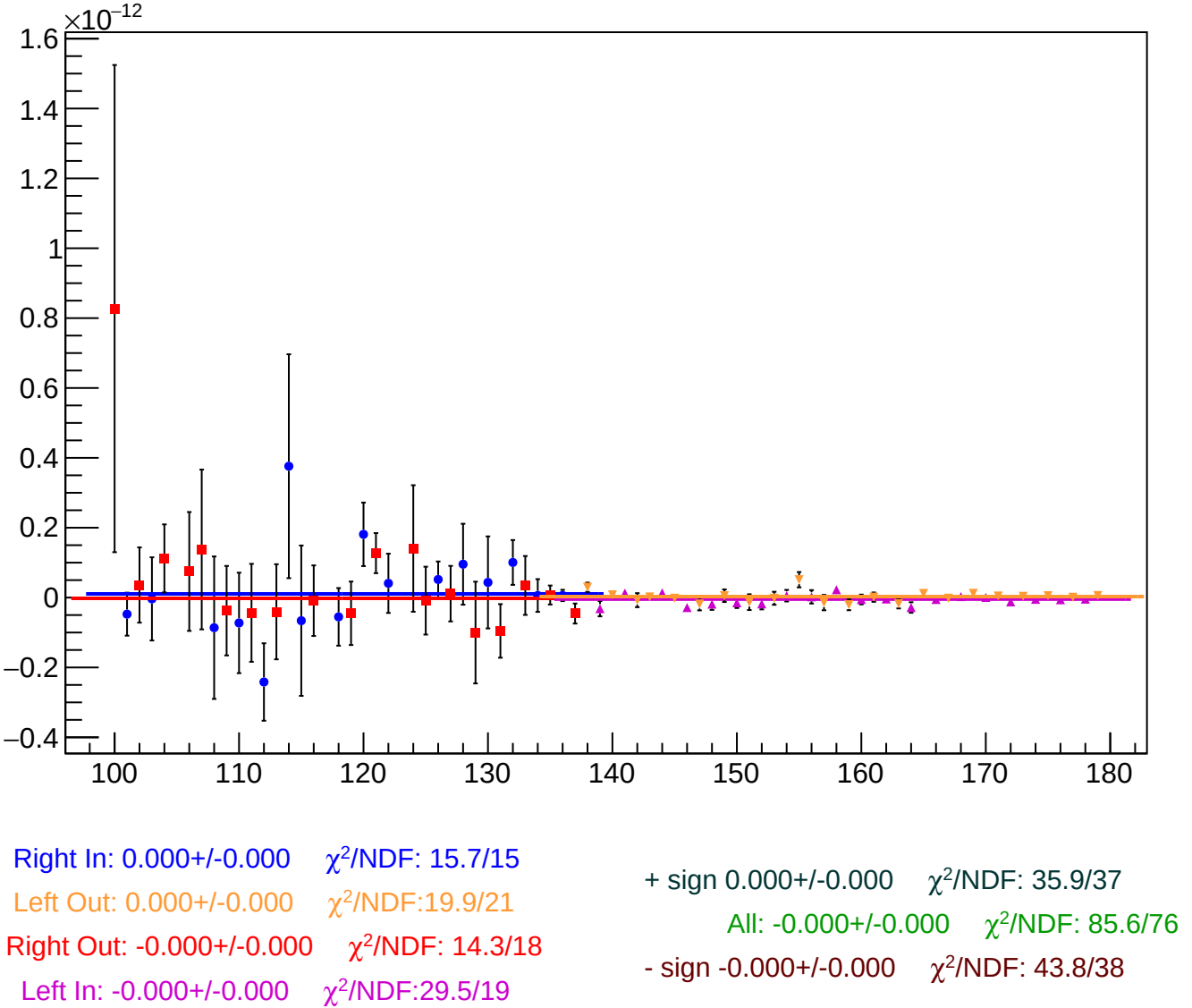
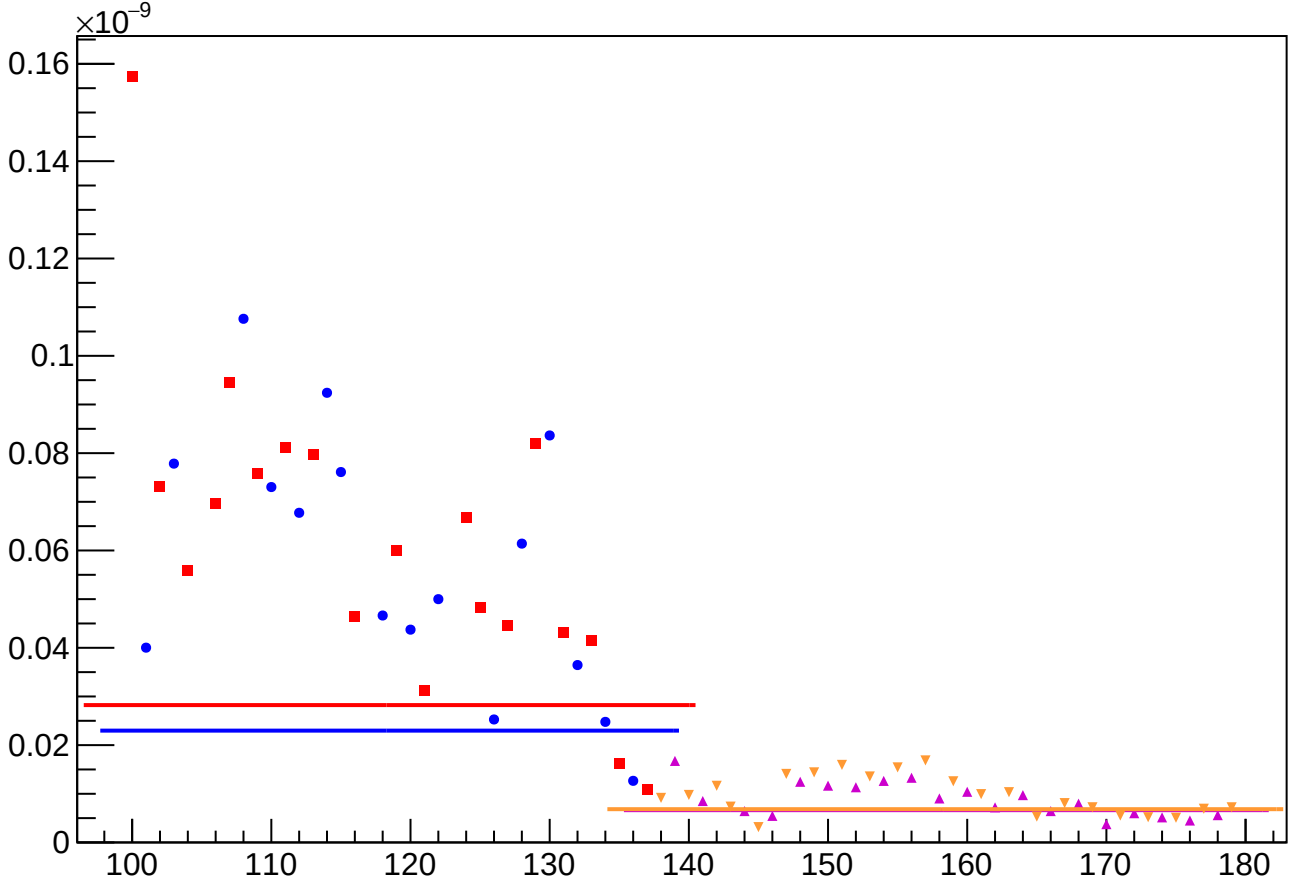
60
40
100
110
120
130
140
150
160
170
180
Right In: 55.968+/-0.017 χ²/NDF: 2179757.6/15
Left Out: 53.881+/-0.009 χ²/NDF:1813114.1/21
Right Out: 56.770+/-0.017 χ²/NDF: 2553168.3/18
Left In: 53.751+/-0.010 χ²/NDF:1015043.7/19
+ sign 54.397+/-0.008 χ²/NDF: 4004828.6/37
All: 54.460+/-0.006 χ²/NDF: 7597662.3/76
- sign 54.525+/-0.008 χ²/NDF: 3592714.9/38


asym_sam_26_avg_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 15.7/15
Left Out: 0.000+/-0.000 χ²/NDF:19.9/21
Right Out: -0.000+/-0.000 χ²/NDF: 14.3/18
Left In: -0.000+/-0.000 χ²/NDF:29.5/19
+ sign 0.000+/-0.000 χ²/NDF: 35.9/37
All: -0.000+/-0.000 χ²/NDF: 85.6/76
- sign -0.000+/-0.000 χ²/NDF: 43.8/38



Right In: 0.000+/-0.000 χ^2/NDF: 3731982.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:4230334.8/21

Right Out: 0.000+/-0.000 χ^2/NDF: 3820523.4/18

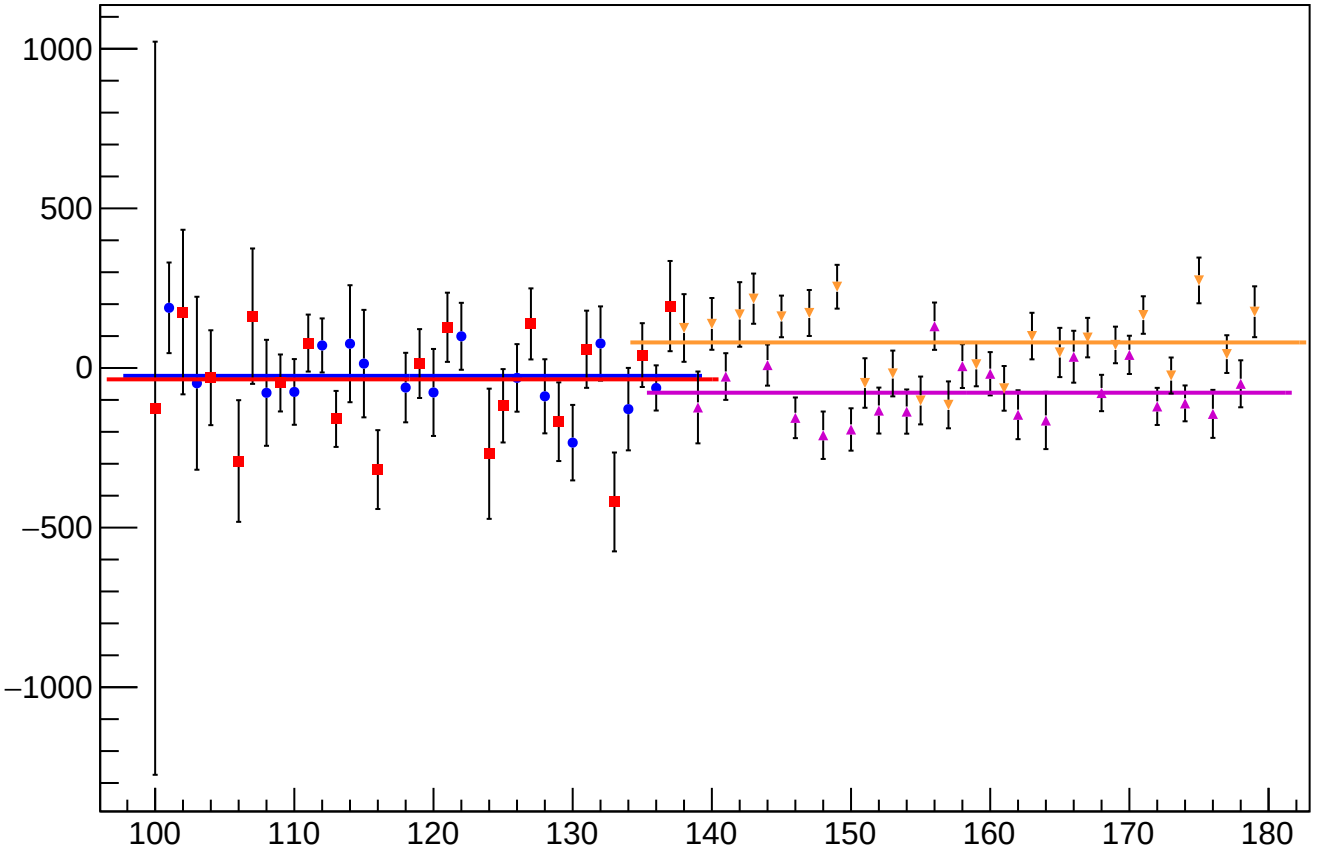
Left In: 0.000+/-0.000 χ^2/NDF:2849055.5/19

+ sign 0.000+/-0.000 χ^2/NDF: 10978335.3/37

All: 0.000+/-0.000 χ^2/NDF: 21463038.2/76

- sign 0.000+/-0.000 χ^2/NDF: 10473742.3/38

reg_asym_sam_37_avg_mean vs Slug



Right In: -24.632+/-28.913 χ^2/NDF: 11.0/15

Left Out: 80.065+/-15.000 χ^2/NDF:51.9/21

Right Out: -35.582+/-28.454 χ^2/NDF: 30.1/18

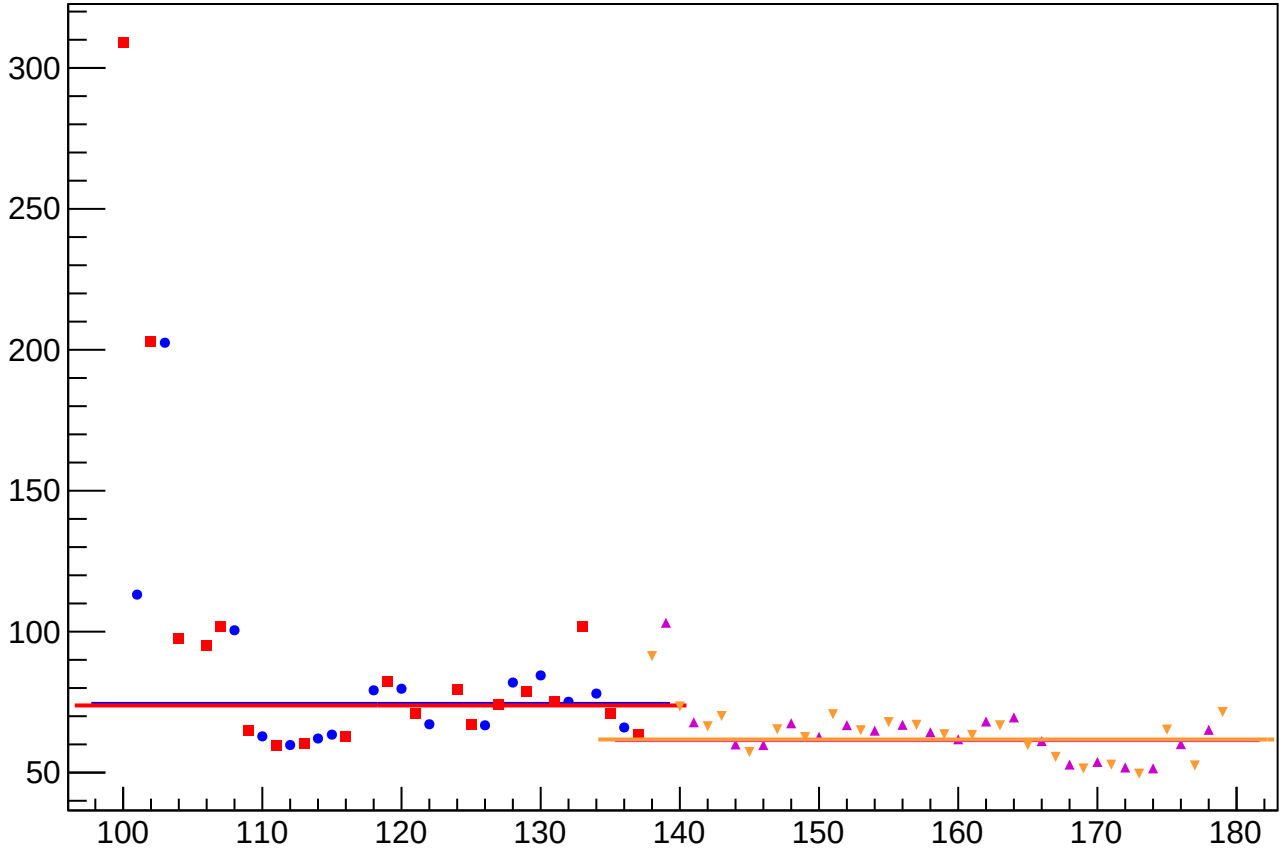
Left In: -77.452+/-15.462 χ^2/NDF:31.1/19

+ sign 57.861+/-13.315 χ^2/NDF: 73.2/37

All: -3.755+/-9.509 χ^2/NDF: 179.8/76

- sign -67.907+/-13.586 χ^2/NDF: 62.9/38

reg_asym_sam_37_avg_rms vs Slug



Right In: 74.369+/-0.020 χ^2/NDF: 827583.1/15

Left Out: 61.745+/-0.011 χ^2/NDF:612677.9/21

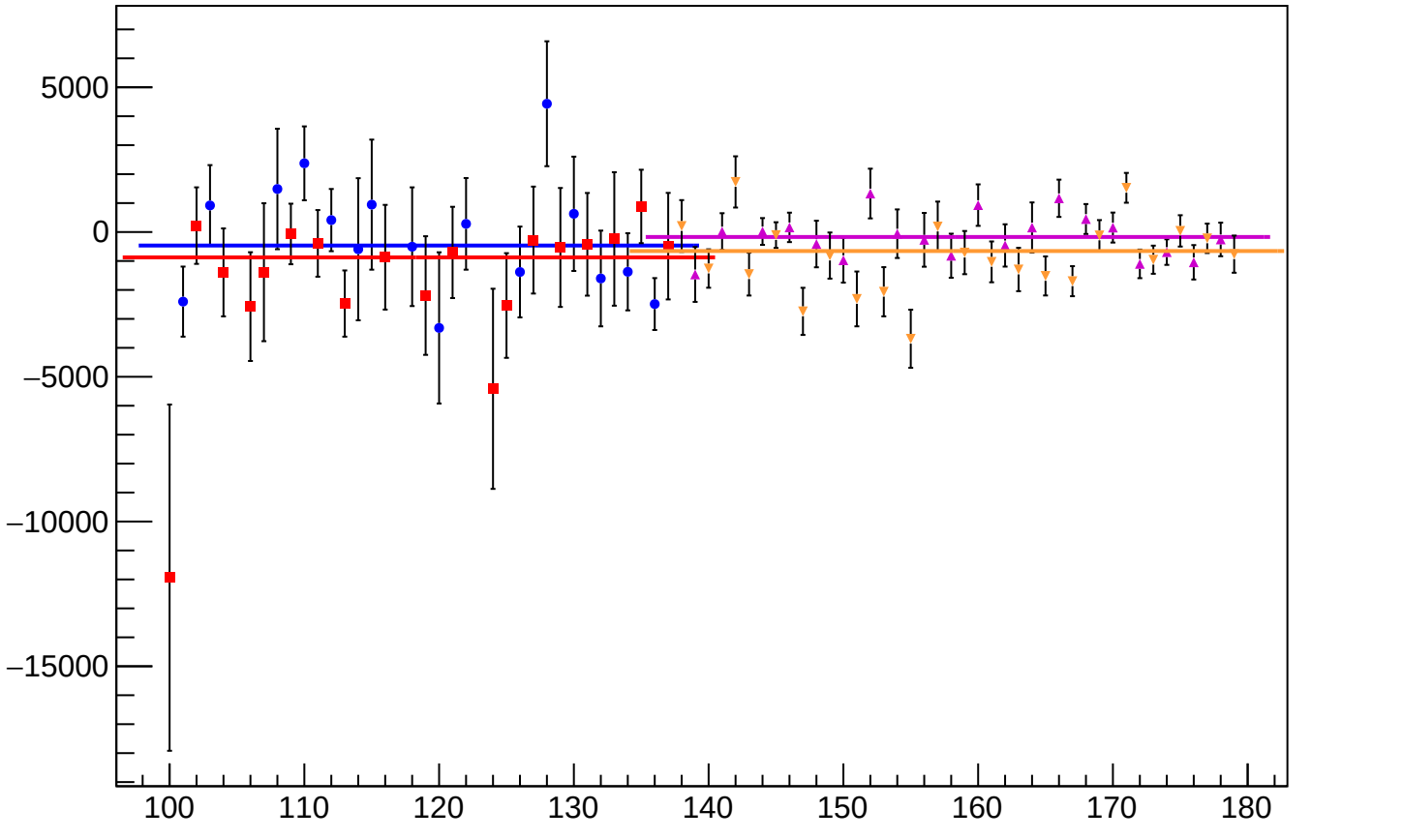
Right Out: 73.815+/-0.020 χ^2/NDF: 931949.0/18

Left In: 61.527+/-0.011 χ^2/NDF:570747.3/19

+ sign 64.423+/-0.009 χ^2/NDF: 1740661.4/37

All: 64.376+/-0.007 χ^2/NDF: 3531356.2/76

- sign 64.328+/-0.010 χ^2/NDF: 1790645.7/38



Right In: -466.524+/-375.030 χ^2/NDF: 23.7/15

Left Out: -656.386+/-138.098 χ^2/NDF:62.7/21

Right Out: -875.351+/-372.239 χ^2/NDF: 13.1/18

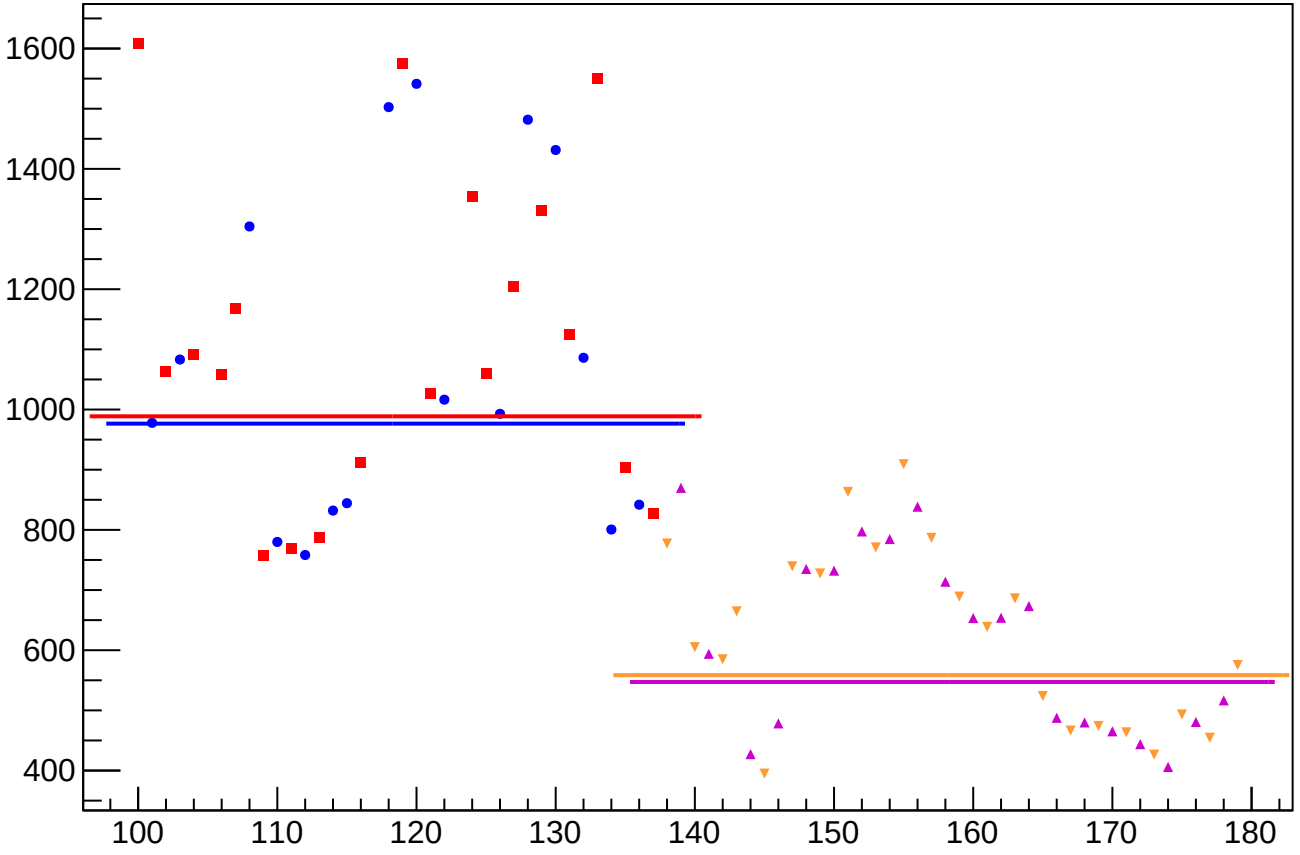
Left In: -170.657+/-139.933 χ^2/NDF:23.4/19

+ sign -633.715+/-129.591 χ^2/NDF: 86.6/37

All: -447.823+/-92.123 χ^2/NDF: 130.4/76

- sign -257.912+/-130.984 χ^2/NDF: 39.6/38

asym_sam_37_avg_reg_correction_rms vs Slug



Right In: 976.583+/-0.265 χ^2/NDF: 736605.1/15

Left Out: 558.586+/-0.098 χ^2/NDF:1944189.1/21

Right Out: 988.763+/-0.263 χ^2/NDF: 715703.4/18

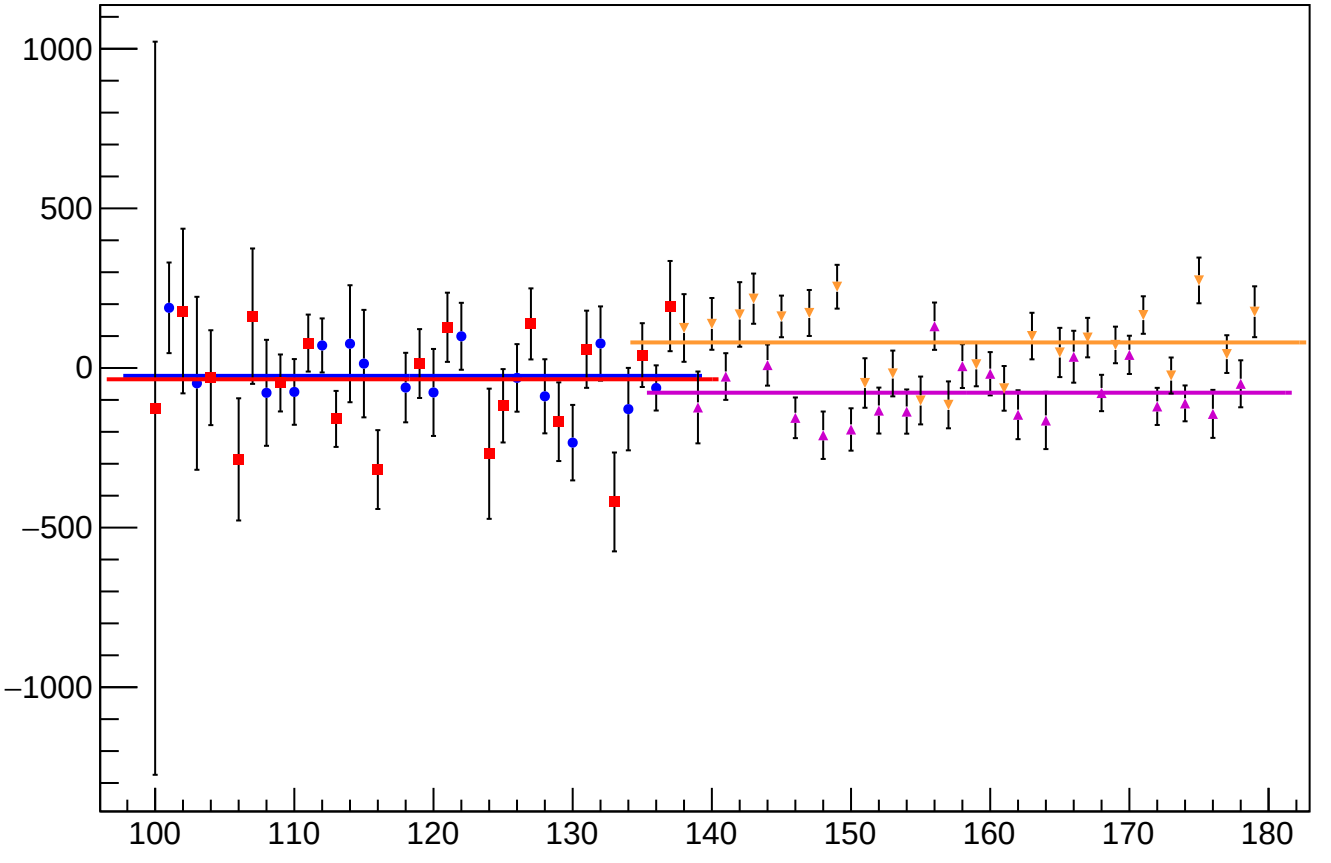
Left In: 547.175+/-0.099 χ^2/NDF:1812223.2/19

+ sign 608.496+/-0.092 χ^2/NDF: 4868658.3/37

All: 605.210+/-0.065 χ^2/NDF: 9865309.4/76

- sign 601.853+/-0.093 χ^2/NDF: 4994051.0/38

cor_asym_sam_37_avg_mean vs Slug



Right In: -24.640+/-28.913 χ^2/NDF: 11.0/15

Left Out: 80.068+/-15.000 χ^2/NDF:51.9/21

Right Out: -35.383+/-28.457 χ^2/NDF: 30.0/18

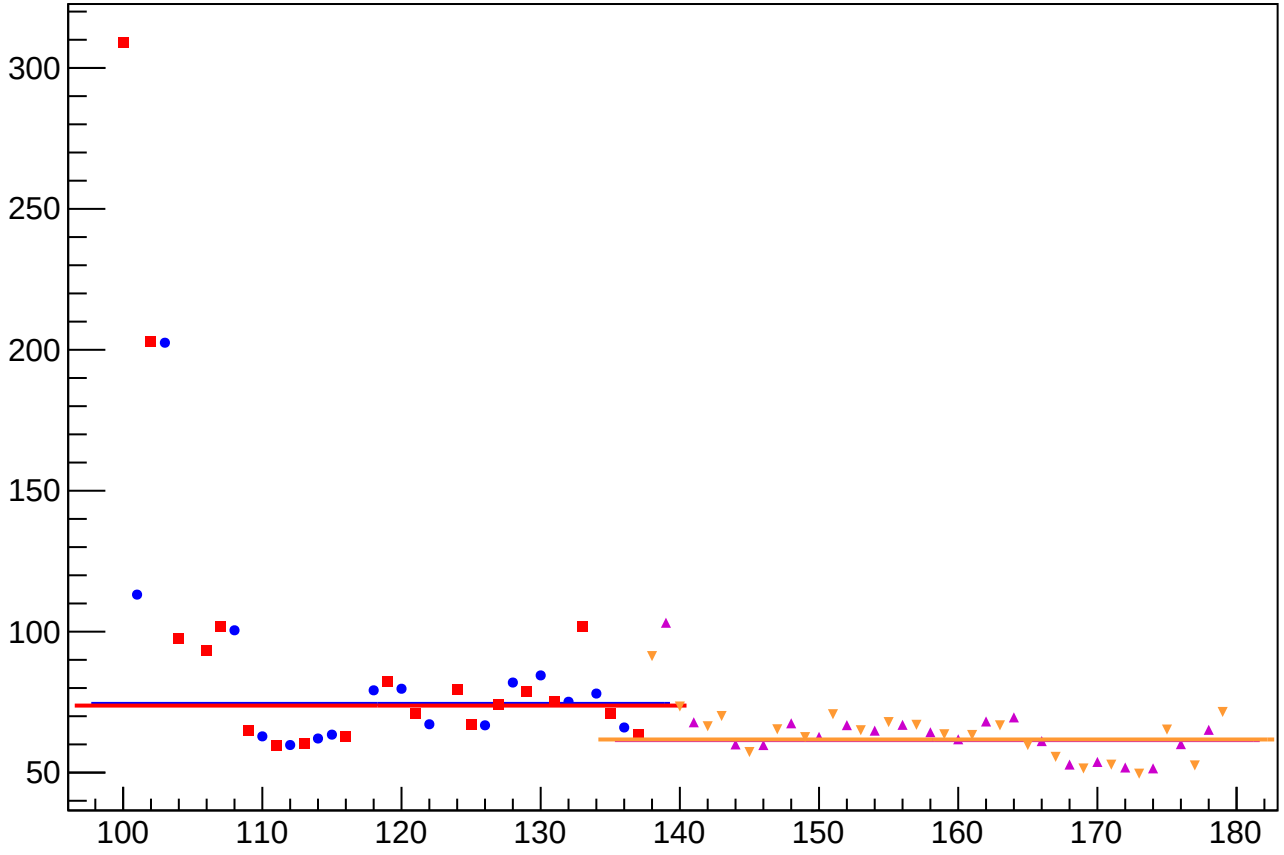
Left In: -77.451+/-15.462 χ^2/NDF:31.1/19

+ sign 57.862+/-13.315 χ^2/NDF: 73.2/37

All: -3.732+/-9.510 χ^2/NDF: 179.7/76

- sign -67.862+/-13.586 χ^2/NDF: 62.8/38

cor_asym_sam_37_avg_rms vs Slug



Right In: 74.369+/-0.020 χ^2/NDF: 827585.2/15

Left Out: 61.745+/-0.011 χ^2/NDF:612677.9/21

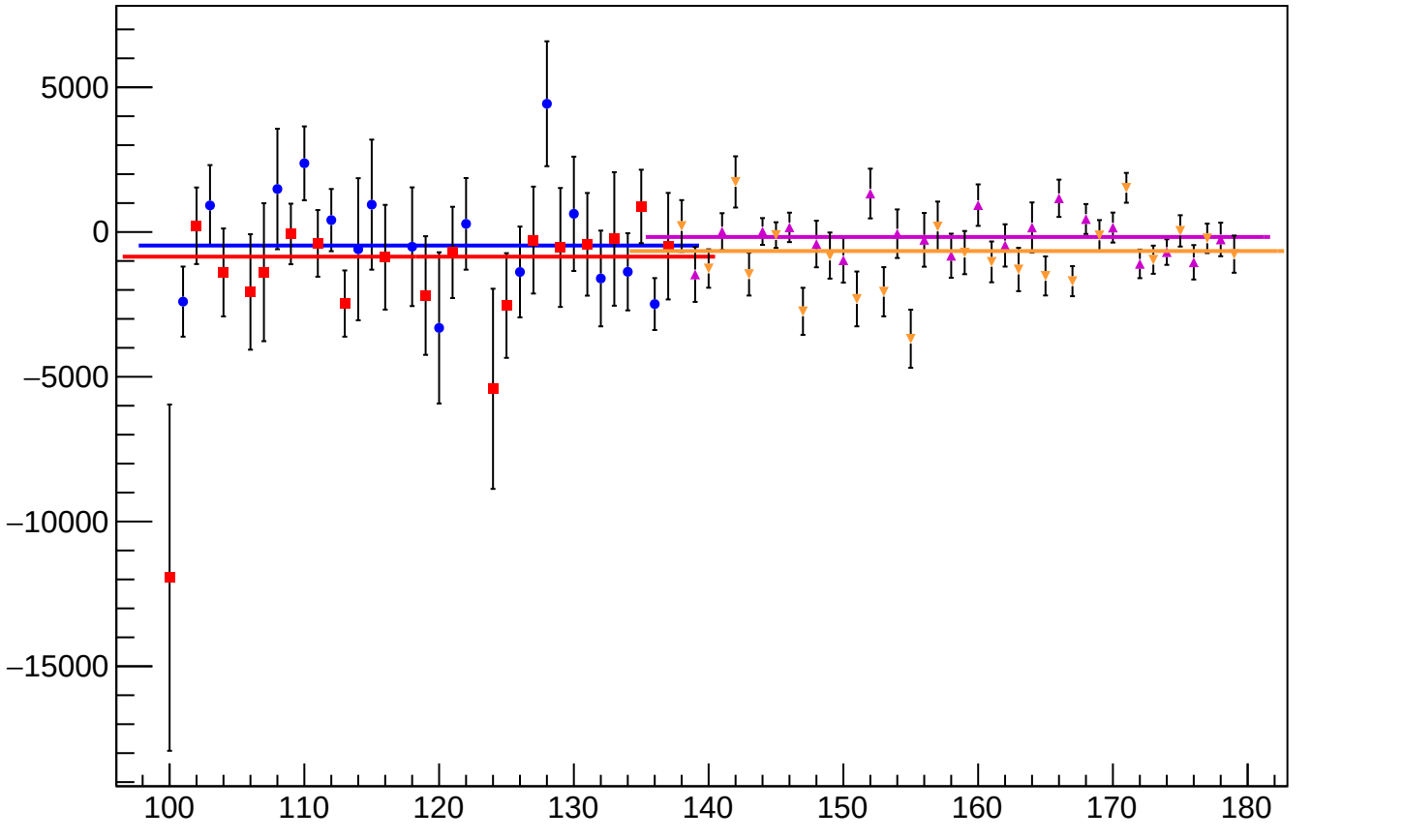
Right Out: 73.773+/-0.020 χ^2/NDF: 928163.8/18

Left In: 61.527+/-0.011 χ^2/NDF:570747.3/19

+ sign 64.423+/-0.009 χ^2/NDF: 1740663.2/37

All: 64.372+/-0.007 χ^2/NDF: 3525580.6/76

- sign 64.318+/-0.010 χ^2/NDF: 1784857.3/38



Right In: -466.511+/-375.033 χ^2/NDF: 23.7/15

Left Out: -656.382+/-138.098 χ^2/NDF:62.7/21

Right Out: -850.757+/-373.092 χ^2/NDF: 12.6/18

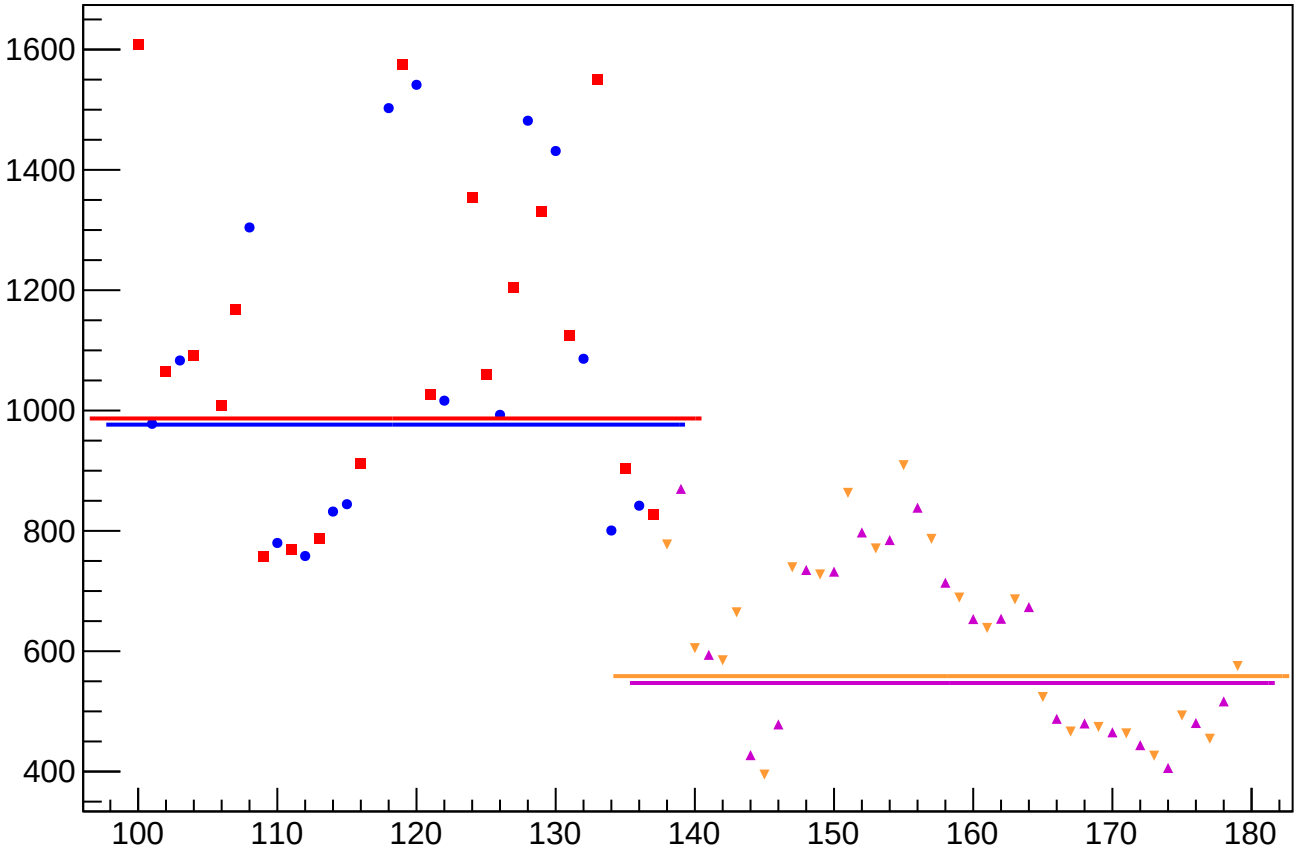
Left In: -170.655+/-139.933 χ^2/NDF:23.4/19

+ sign -633.711+/-129.591 χ^2/NDF: 86.6/37

All: -446.200+/-92.136 χ^2/NDF: 129.8/76

- sign -254.528+/-131.021 χ^2/NDF: 38.9/38

asym_sam_37_avg_cor_correction_rms vs Slug



Right In: 976.589+/-0.265 χ^2/NDF: 736628.5/15

Left Out: 558.585+/-0.098 χ^2/NDF:1944190.9/21

Right Out: 986.823+/-0.264 χ^2/NDF: 713316.0/18

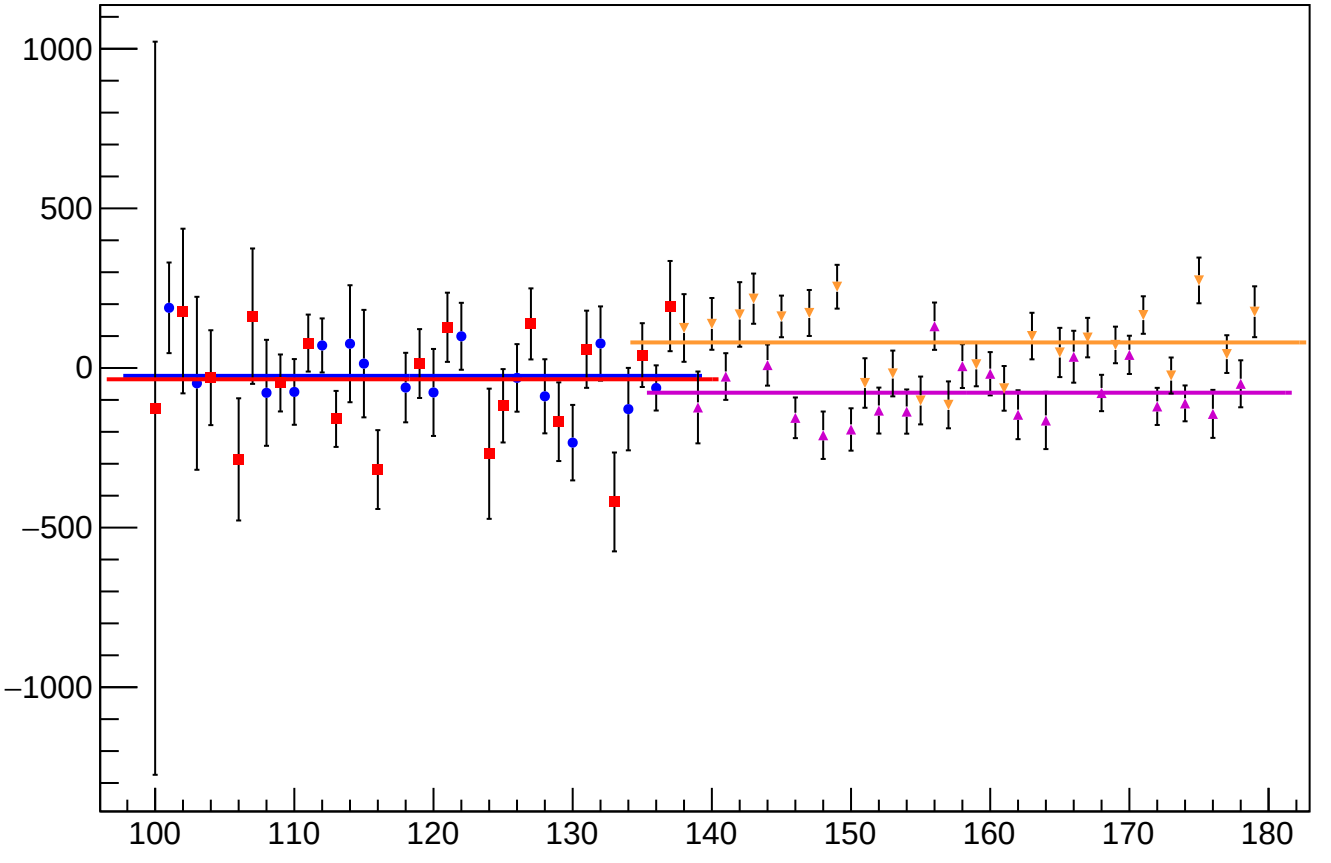
Left In: 547.175+/-0.099 χ^2/NDF:1812224.1/19

+ sign 608.496+/-0.092 χ^2/NDF: 4868722.3/37

All: 604.984+/-0.065 χ^2/NDF: 9831945.2/76

- sign 601.394+/-0.093 χ^2/NDF: 4960252.8/38

eigen_cor_asym_sam_37_avg_mean vs Slug



Right In: -24.640+/-28.913 χ^2/NDF: 11.0/15

Left Out: 80.068+/-15.000 χ^2/NDF:51.9/21

Right Out: -35.383+/-28.457 χ^2/NDF: 30.0/18

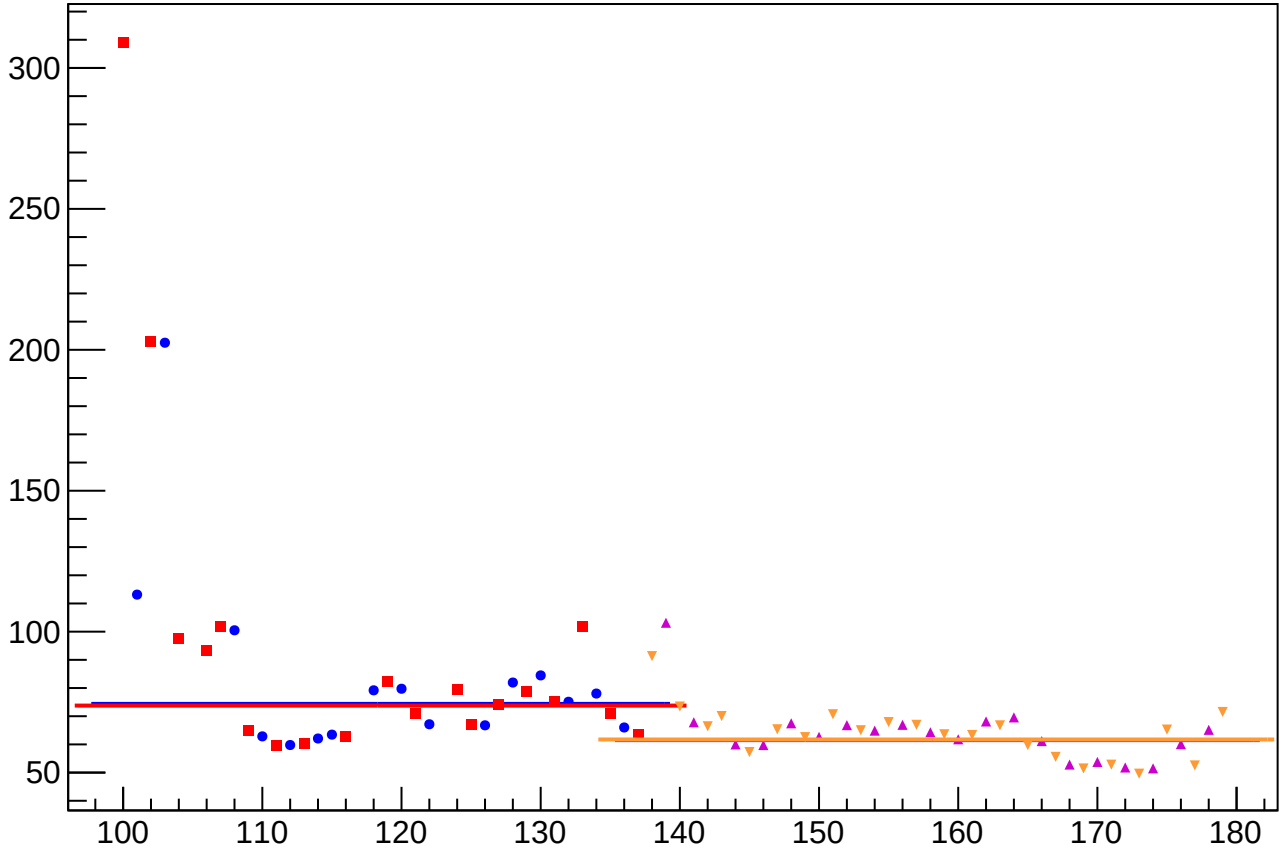
Left In: -77.451+/-15.462 χ^2/NDF:31.1/19

+ sign 57.862+/-13.315 χ^2/NDF: 73.2/37

All: -3.732+/-9.510 χ^2/NDF: 179.7/76

- sign -67.862+/-13.586 χ^2/NDF: 62.8/38

eigen_cor_asym_sam_37_avg_rms vs Slug



Right In: 74.369+/-0.020 χ^2/NDF: 827585.2/15

Left Out: 61.745+/-0.011 χ^2/NDF:612677.9/21

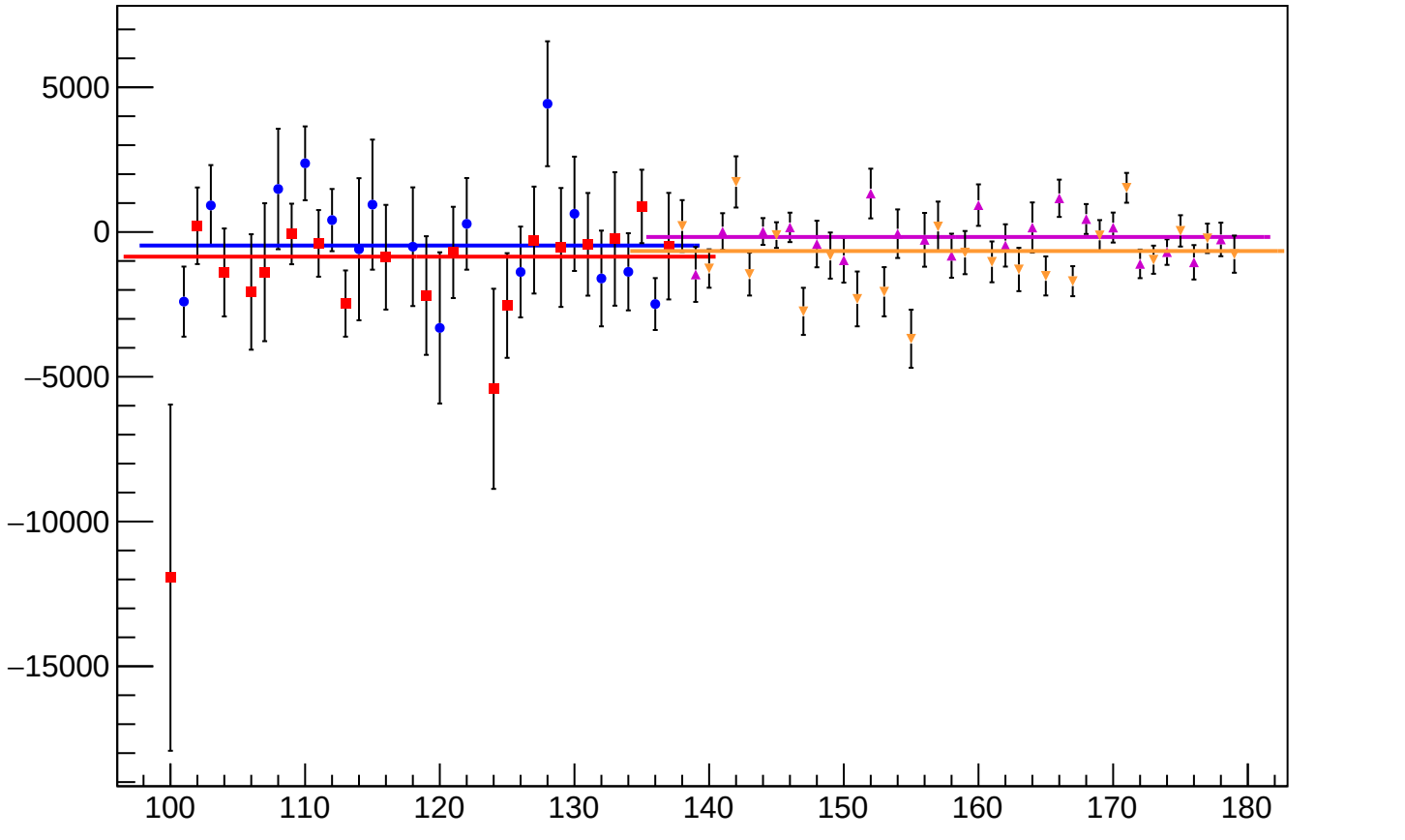
Right Out: 73.773+/-0.020 χ^2/NDF: 928163.8/18

Left In: 61.527+/-0.011 χ^2/NDF:570747.3/19

+ sign 64.423+/-0.009 χ^2/NDF: 1740663.2/37

All: 64.372+/-0.007 χ^2/NDF: 3525580.6/76

- sign 64.318+/-0.010 χ^2/NDF: 1784857.3/38



Right In: -466.511+/-375.033 χ^2/NDF: 23.7/15

Left Out: -656.382+/-138.098 χ^2/NDF:62.7/21

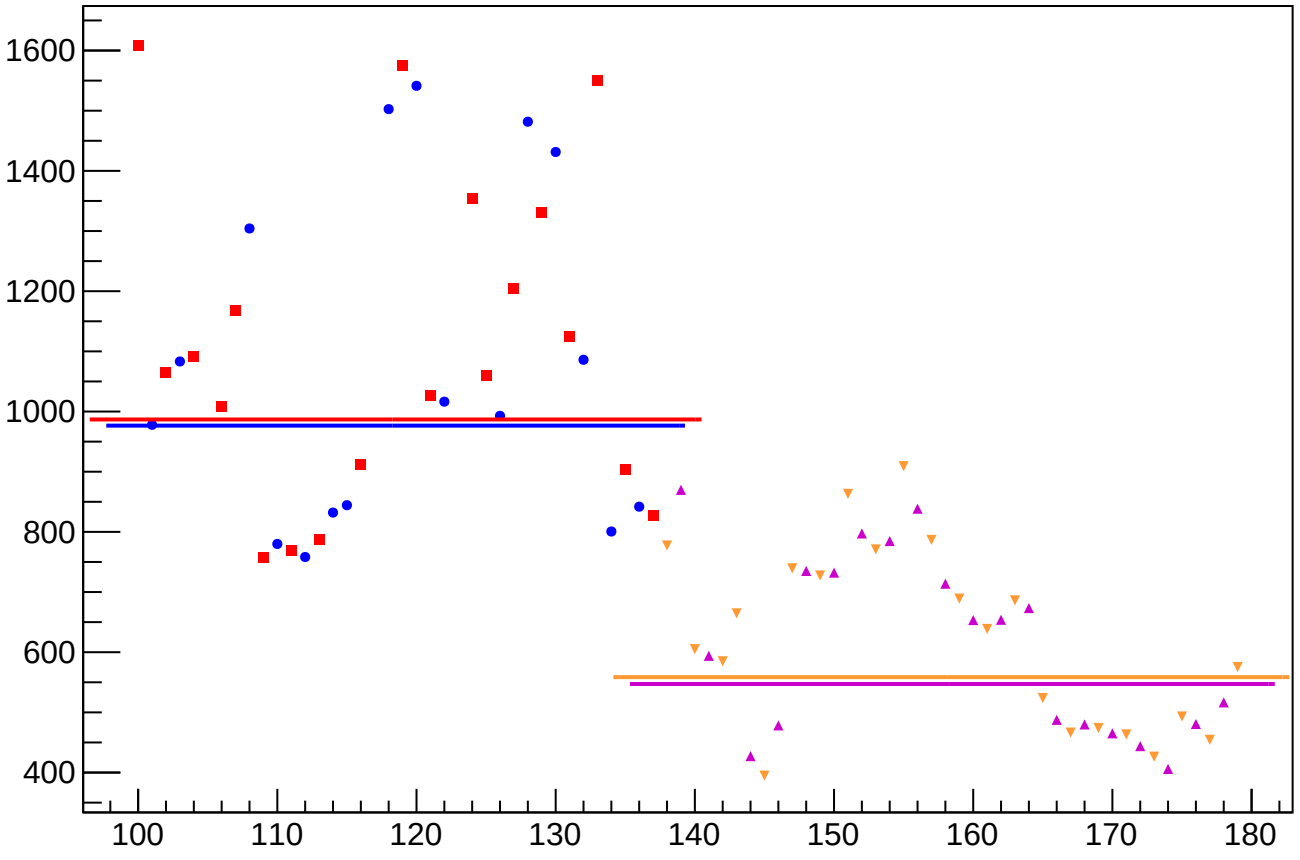
Right Out: -850.757+/-373.092 χ^2/NDF: 12.6/18

Left In: -170.655+/-139.933 χ^2/NDF:23.4/19

+ sign -633.711+/-129.591 χ^2/NDF: 86.6/37

All: -446.200+/-92.136 χ^2/NDF: 129.8/76

- sign -254.528+/-131.021 χ^2/NDF: 38.9/38



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Left Out: 558.585+/-0.098 χ^2/NDF:1944190.9/21

Right Out: 986.823+/-0.264 χ^2/NDF: 713316.0/18

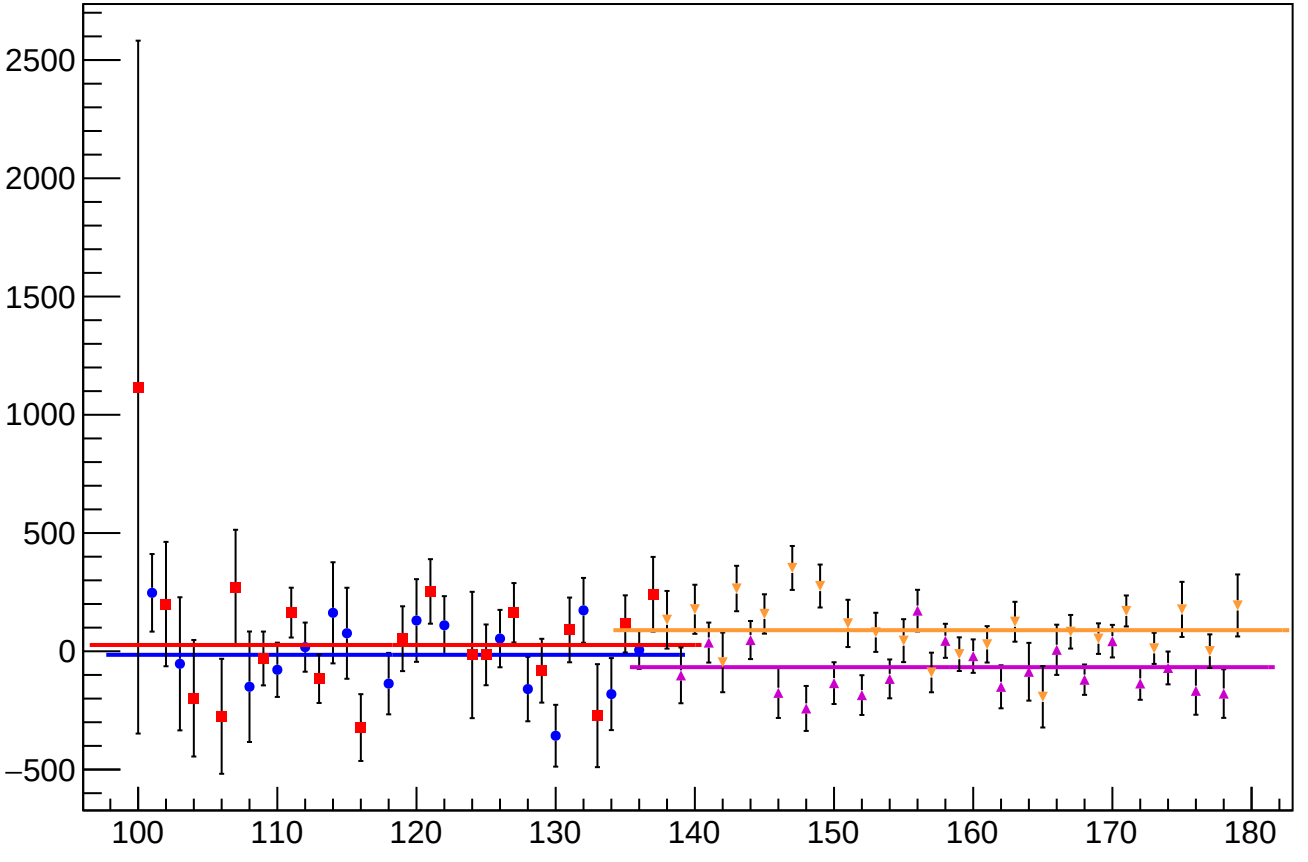
Left In: 547.175+/-0.099 χ^2/NDF:1812224.1/19

+ sign 608.496+/-0.092 χ^2/NDF: 4868722.3/37

All: 604.984+/-0.065 χ^2/NDF: 9831945.2/76

- sign 601.394+/-0.093 χ^2/NDF: 4960252.8/38

dit_asym_sam_37_avg_mean vs Slug



Right In: -14.953+/-33.761 χ^2/NDF: 18.3/15

Left Out: 89.222+/-18.195 χ^2/NDF:36.7/21

Right Out: 26.654+/-34.073 χ^2/NDF: 23.6/18

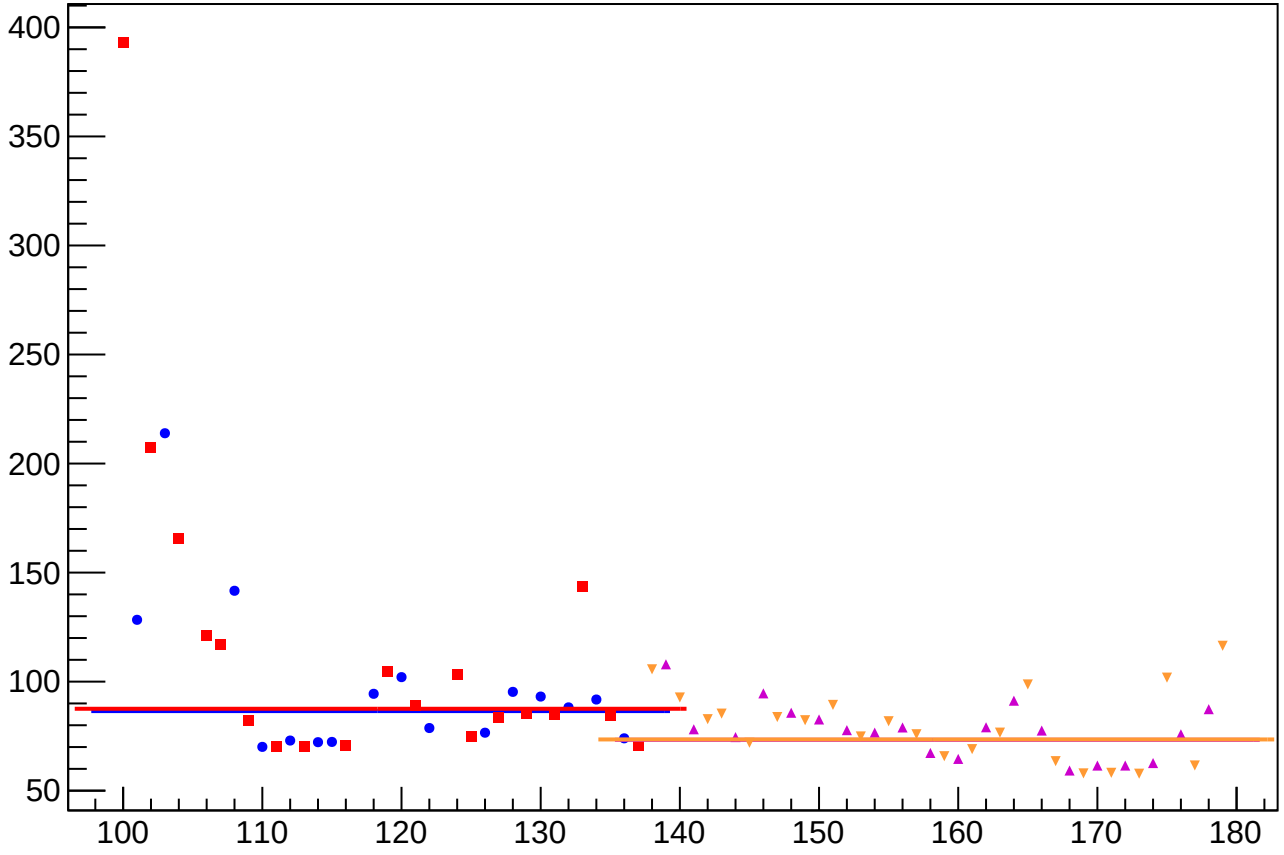
Left In: -67.138+/-18.748 χ^2/NDF:28.9/19

+ sign 65.774+/-16.017 χ^2/NDF: 62.3/37

All: 11.614+/-11.467 χ^2/NDF: 144.1/76

- sign -45.342+/-16.425 χ^2/NDF: 58.3/38

dit_asym_sam_37_avg_rms vs Slug



Right In: 86.489+/-0.024 χ^2/NDF: 856257.9/15

Left Out: 73.489+/-0.013 χ^2/NDF:1238307.4/21

Right Out: 87.555+/-0.024 χ^2/NDF: 1129794.0/18

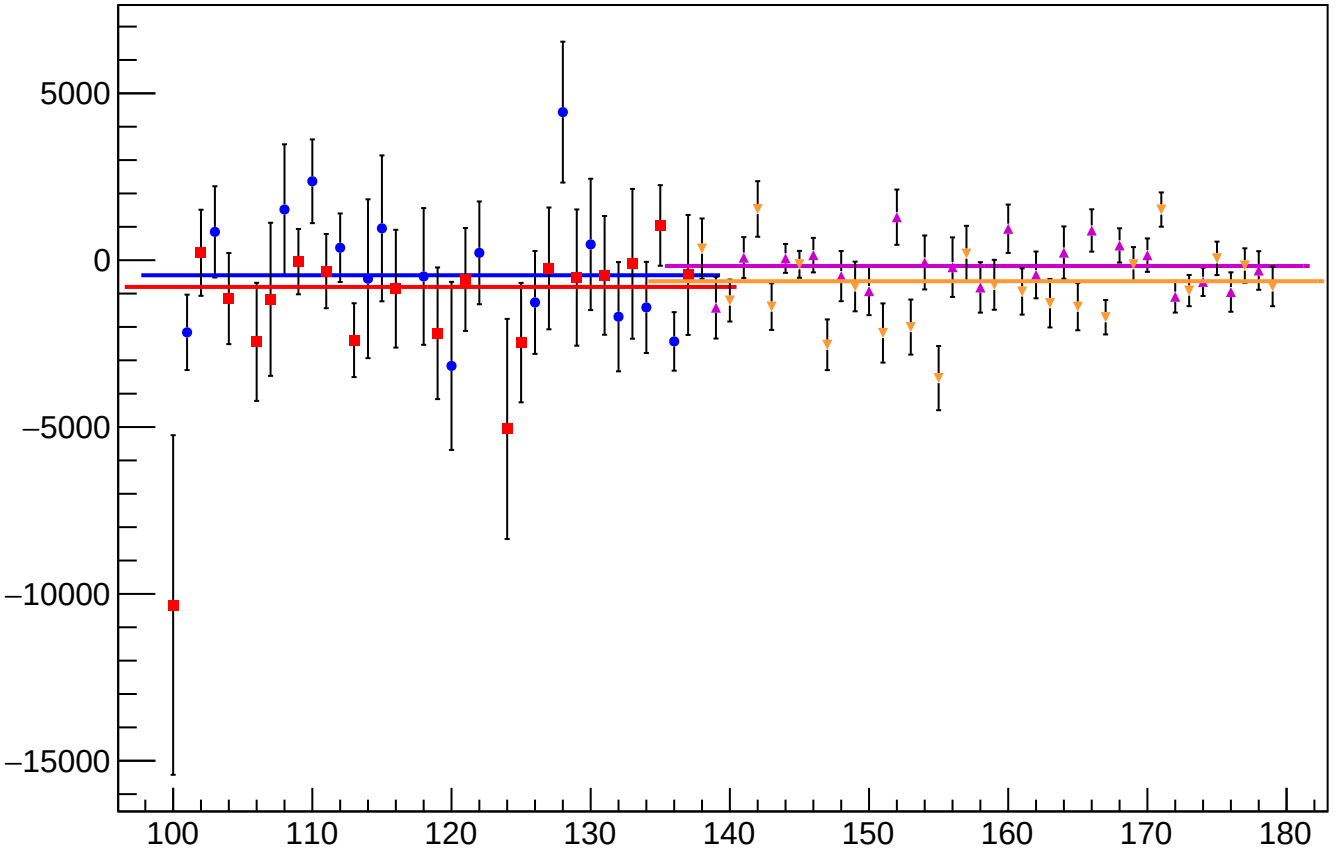
Left In: 73.324+/-0.013 χ^2/NDF:731457.6/19

+ sign 76.415+/-0.011 χ^2/NDF: 2324364.1/37

All: 76.520+/-0.008 χ^2/NDF: 4453584.6/76

- sign 76.631+/-0.012 χ^2/NDF: 2129043.2/38

asym_sam_37_avg_dit_correction_mean vs Slug



Right In: -451.380+/-365.605 χ^2/NDF: 23.7/15

Left Out: -629.397+/-133.119 χ^2/NDF:61.9/21

Right Out: -801.206+/-357.866 χ^2/NDF: 13.6/18

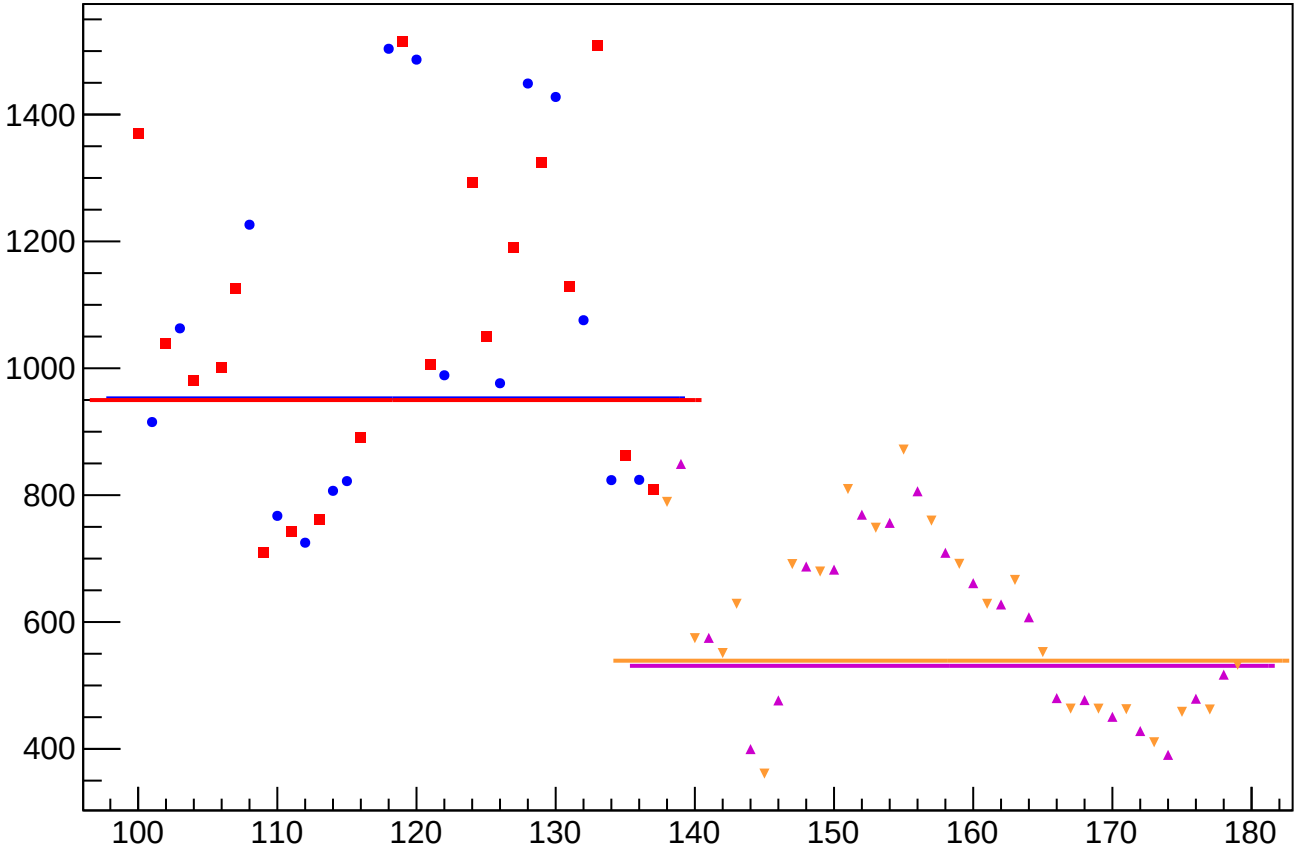
Left In: -174.219+/-135.797 χ^2/NDF:22.0/19

+ sign -608.559+/-125.086 χ^2/NDF: 85.8/37

All: -433.496+/-89.105 χ^2/NDF: 128.1/76

- sign -253.137+/-126.963 χ^2/NDF: 38.3/38

asym_sam_37_avg_dit_correction_rms vs Slug



Right In: 952.551+/-0.259 χ^2/NDF: 746346.9/15

Left Out: 539.053+/-0.094 χ^2/NDF:1986719.0/21

Right Out: 949.891+/-0.253 χ^2/NDF: 751675.2/18

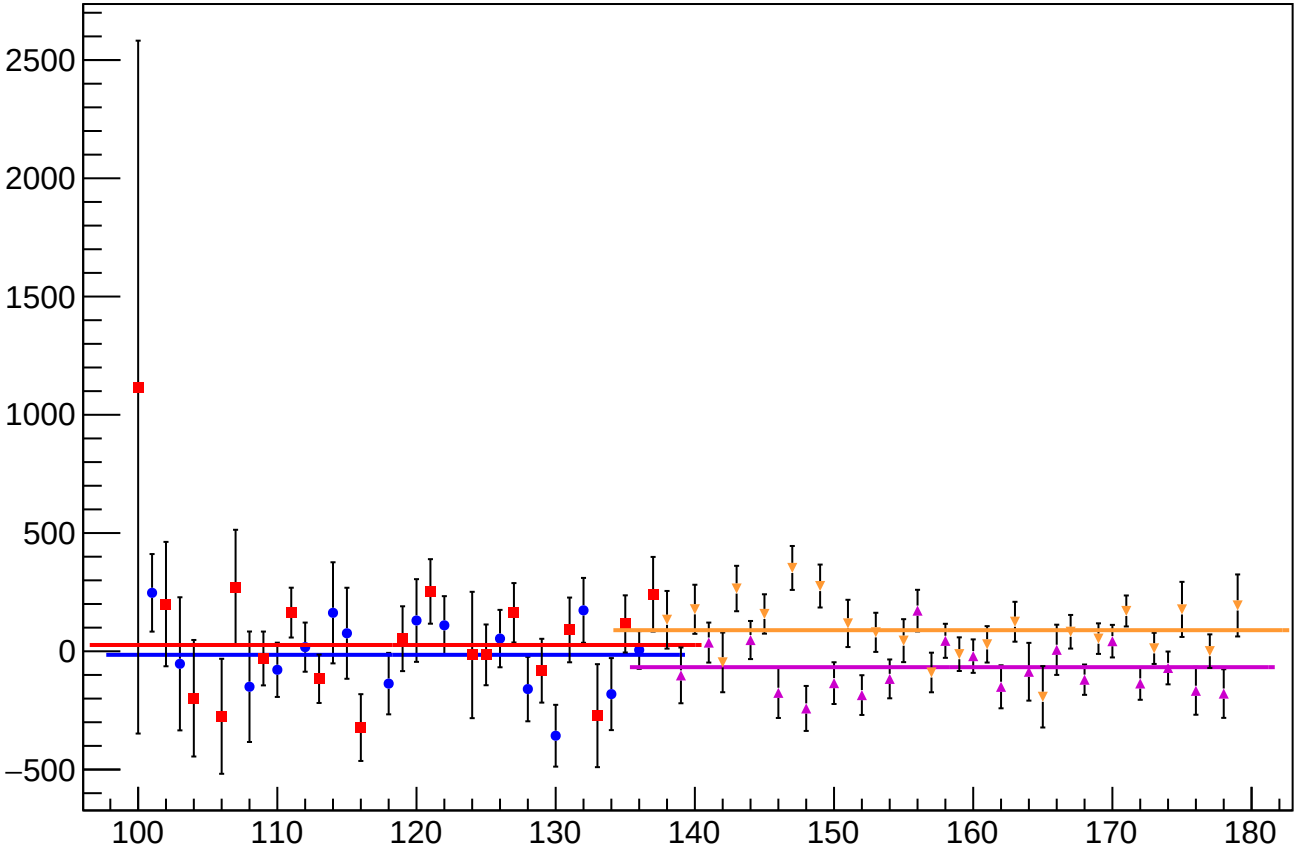
Left In: 530.956+/-0.096 χ^2/NDF:1786840.7/19

+ sign 587.455+/-0.088 χ^2/NDF: 4991900.6/37

All: 585.599+/-0.063 χ^2/NDF: 9927161.1/76

- sign 583.687+/-0.090 χ^2/NDF: 4934366.4/38

eigen_dit_asym_sam_37_avg_mean vs Slug



Right In: -14.954+/-33.761 χ^2/NDF: 18.3/15

Left Out: 89.222+/-18.195 χ^2/NDF:36.7/21

Right Out: 26.658+/-34.073 χ^2/NDF: 23.6/18

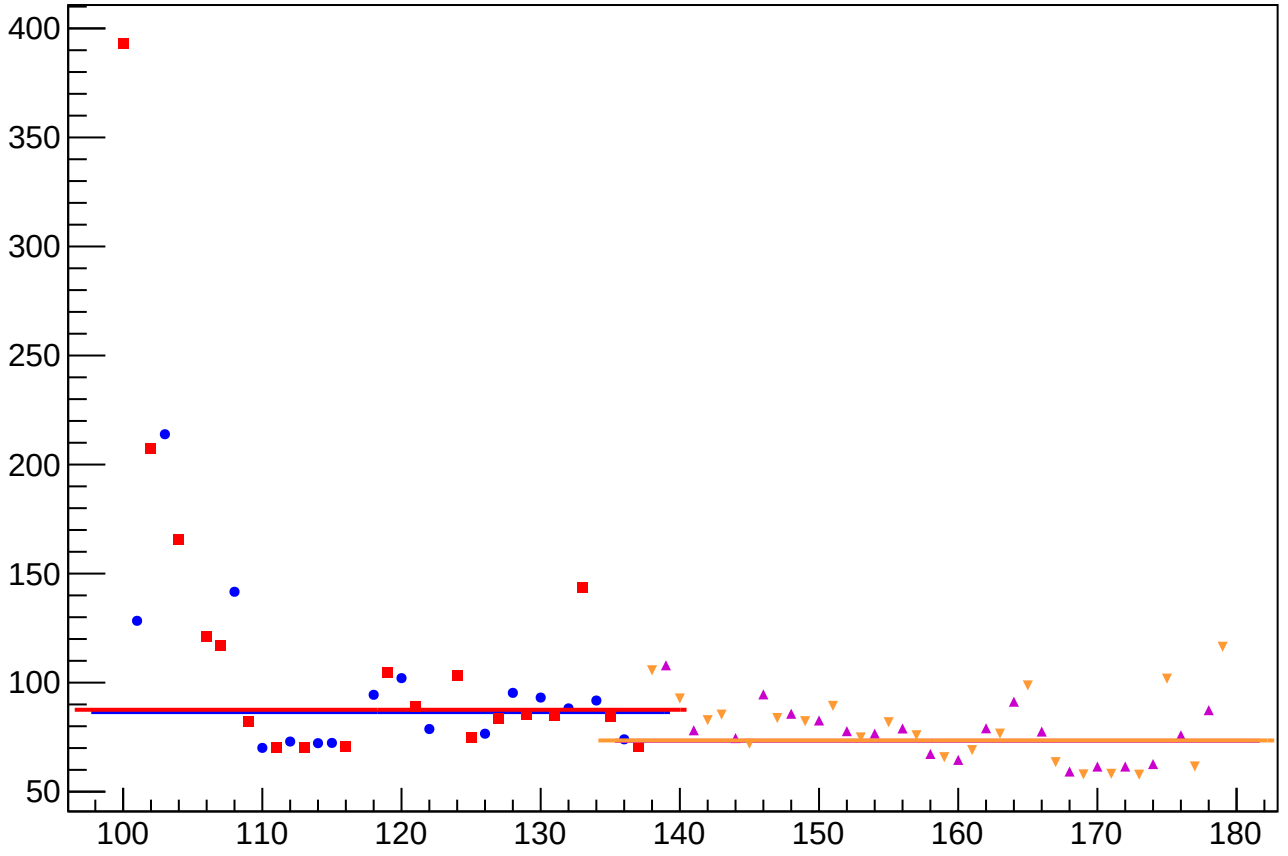
Left In: -67.137+/-18.748 χ^2/NDF:28.9/19

+ sign 65.774+/-16.017 χ^2/NDF: 62.3/37

All: 11.615+/-11.468 χ^2/NDF: 144.1/76

- sign -45.340+/-16.425 χ^2/NDF: 58.3/38

eigen_dit_asym_sam_37_avg_rms vs Slug



Right In: 86.489+/-0.024 χ^2/NDF: 856249.6/15

Left Out: 73.489+/-0.013 χ^2/NDF:1238312.8/21

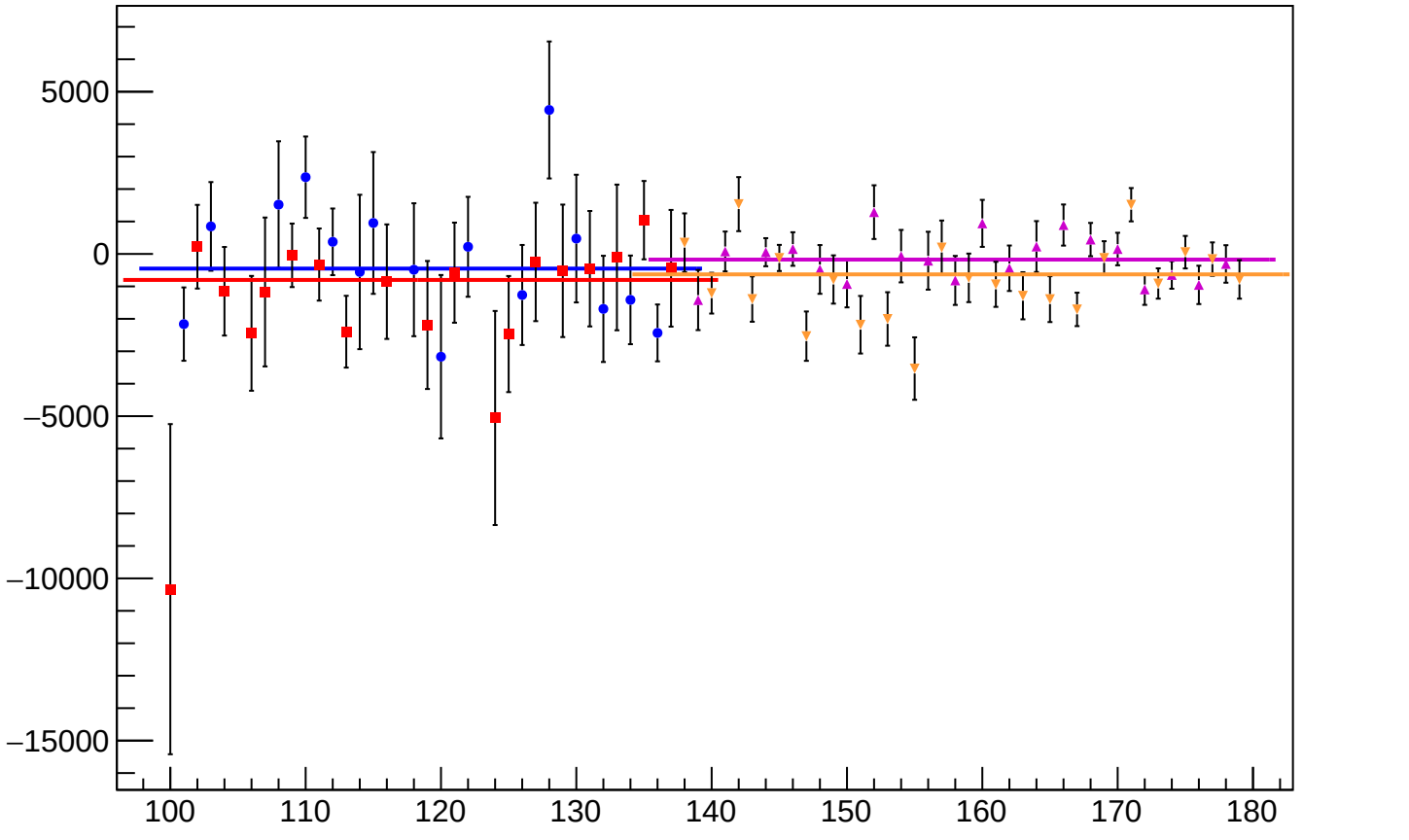
Right Out: 87.555+/-0.024 χ^2/NDF: 1129791.7/18

Left In: 73.324+/-0.013 χ^2/NDF:731462.7/19

+ sign 76.415+/-0.011 χ^2/NDF: 2324363.5/37

All: 76.521+/-0.008 χ^2/NDF: 4453593.1/76

- sign 76.631+/-0.012 χ^2/NDF: 2129052.3/38



Right In: -451.378+/-365.605 χ^2/NDF: 23.7/15

Left Out: -629.398+/-133.119 χ^2/NDF:61.9/21

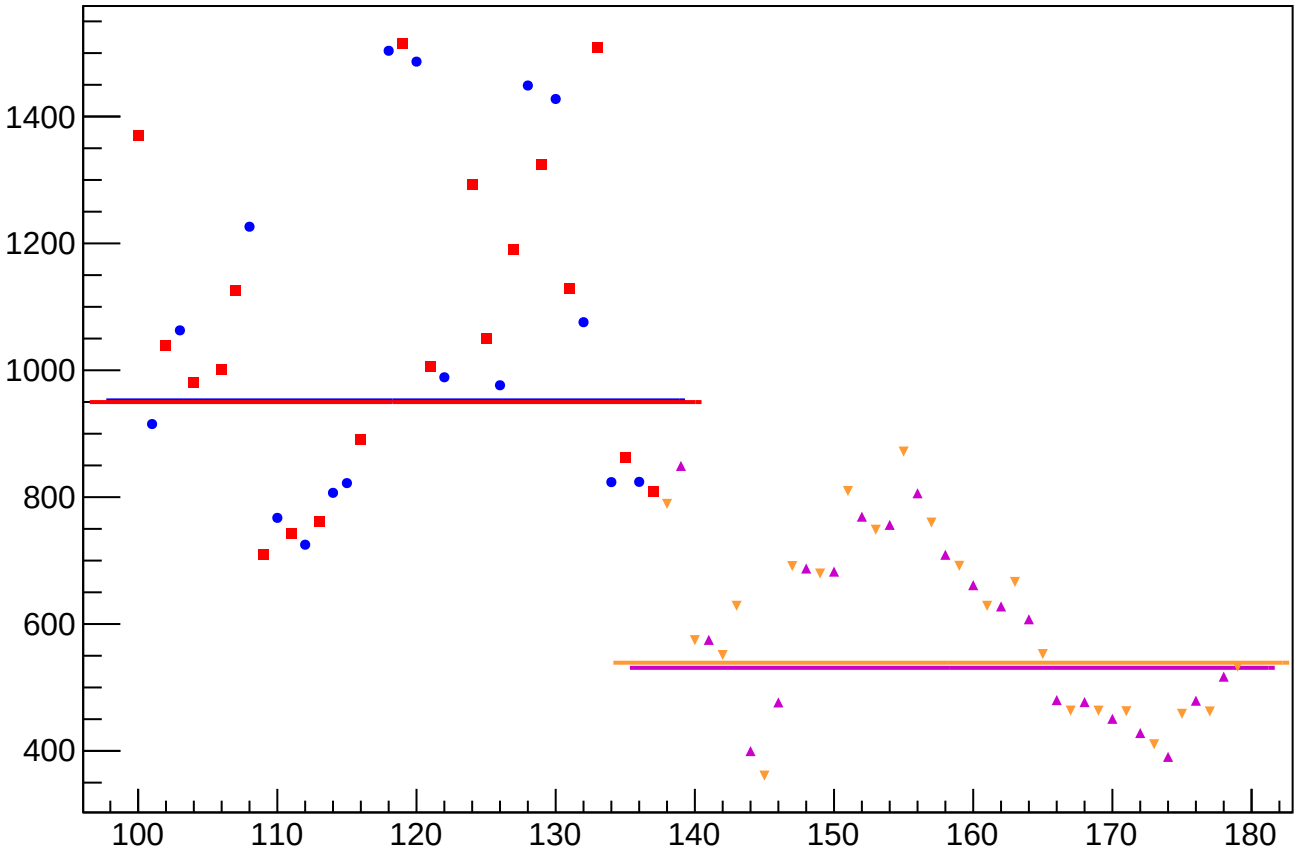
Right Out: -801.205+/-357.865 χ^2/NDF: 13.6/18

Left In: -174.218+/-135.797 χ^2/NDF:22.0/19

+ sign -608.560+/-125.086 χ^2/NDF: 85.8/37

All: -433.496+/-89.105 χ^2/NDF: 128.1/76

- sign -253.136+/-126.963 χ^2/NDF: 38.3/38



Right In: 952.549+/-0.259 χ^2/NDF: 746349.8/15

Left Out: 539.053+/-0.094 χ^2/NDF:1986714.4/21

Right Out: 949.890+/-0.253 χ^2/NDF: 751674.5/18

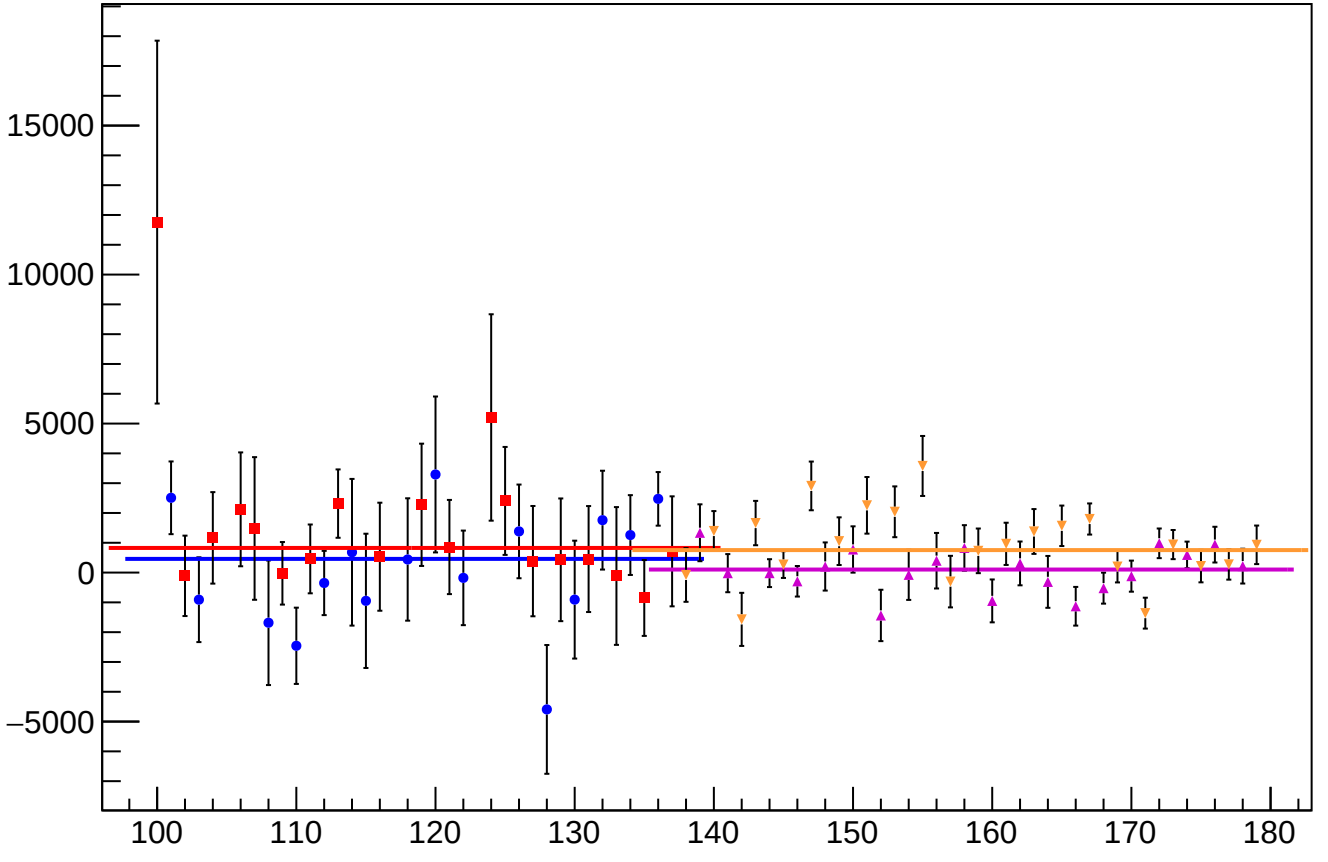
Left In: 530.956+/-0.096 χ^2/NDF:1786834.9/19

+ sign 587.455+/-0.088 χ^2/NDF: 4991890.2/37

All: 585.599+/-0.063 χ^2/NDF: 9927134.4/76

- sign 583.687+/-0.090 χ^2/NDF: 4934350.3/38

asym_sam_37_avg_mean vs Slug



Right In: 459.137+/-376.873 χ^2/NDF: 24.6/15

Left Out: 754.350+/-139.021 χ^2/NDF:58.5/21

Right Out: 826.531+/-374.244 χ^2/NDF: 11.7/18

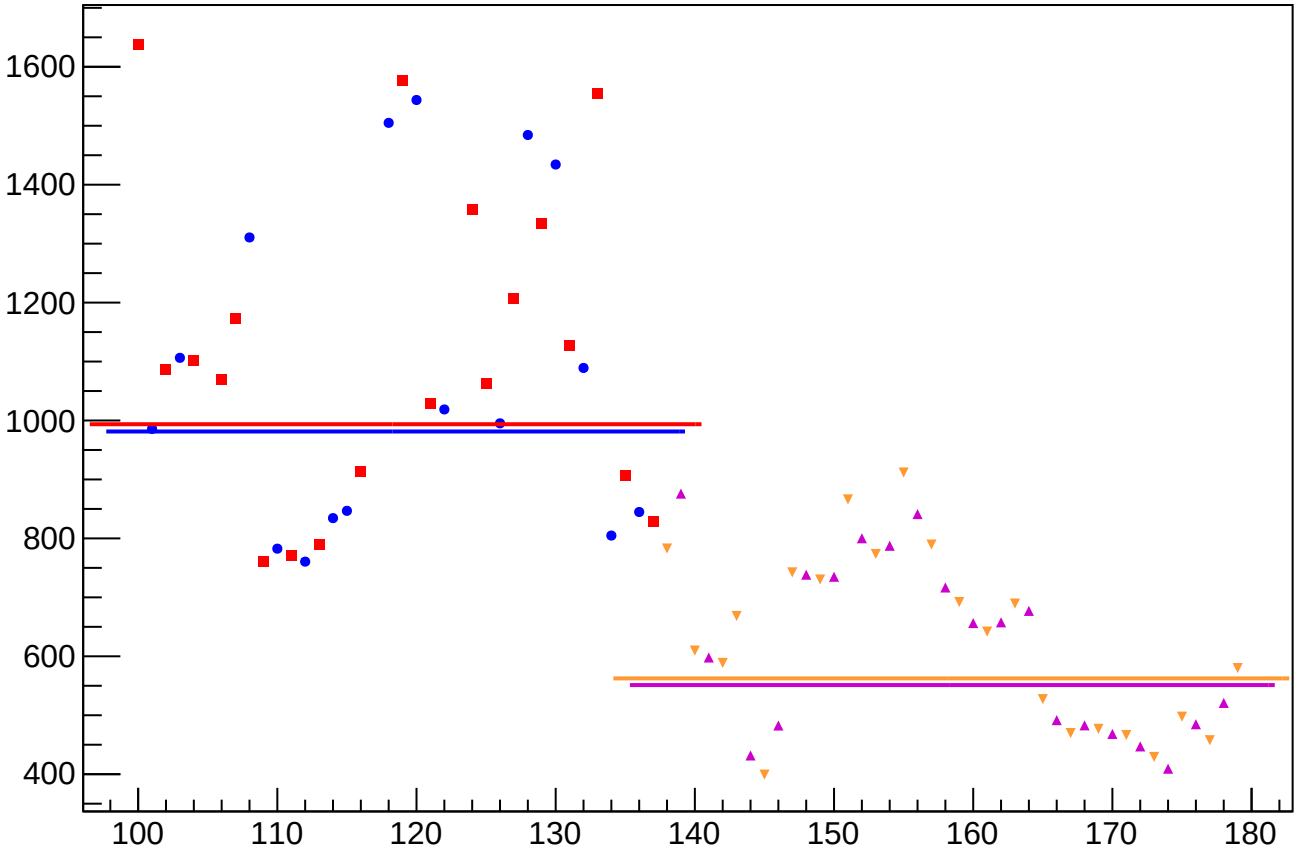
Left In: 101.620+/-140.910 χ^2/NDF:21.4/19

+ sign 718.991+/-130.430 χ^2/NDF: 83.6/37

All: 458.209+/-92.734 χ^2/NDF: 128.0/76

- sign 191.628+/-131.872 χ^2/NDF: 36.3/38

asym_sam_37_avg_rms vs Slug



Right In: 981.349+/-0.266 χ^2/NDF: 737627.4/15

Left Out: 562.530+/-0.098 χ^2/NDF:1919224.1/21

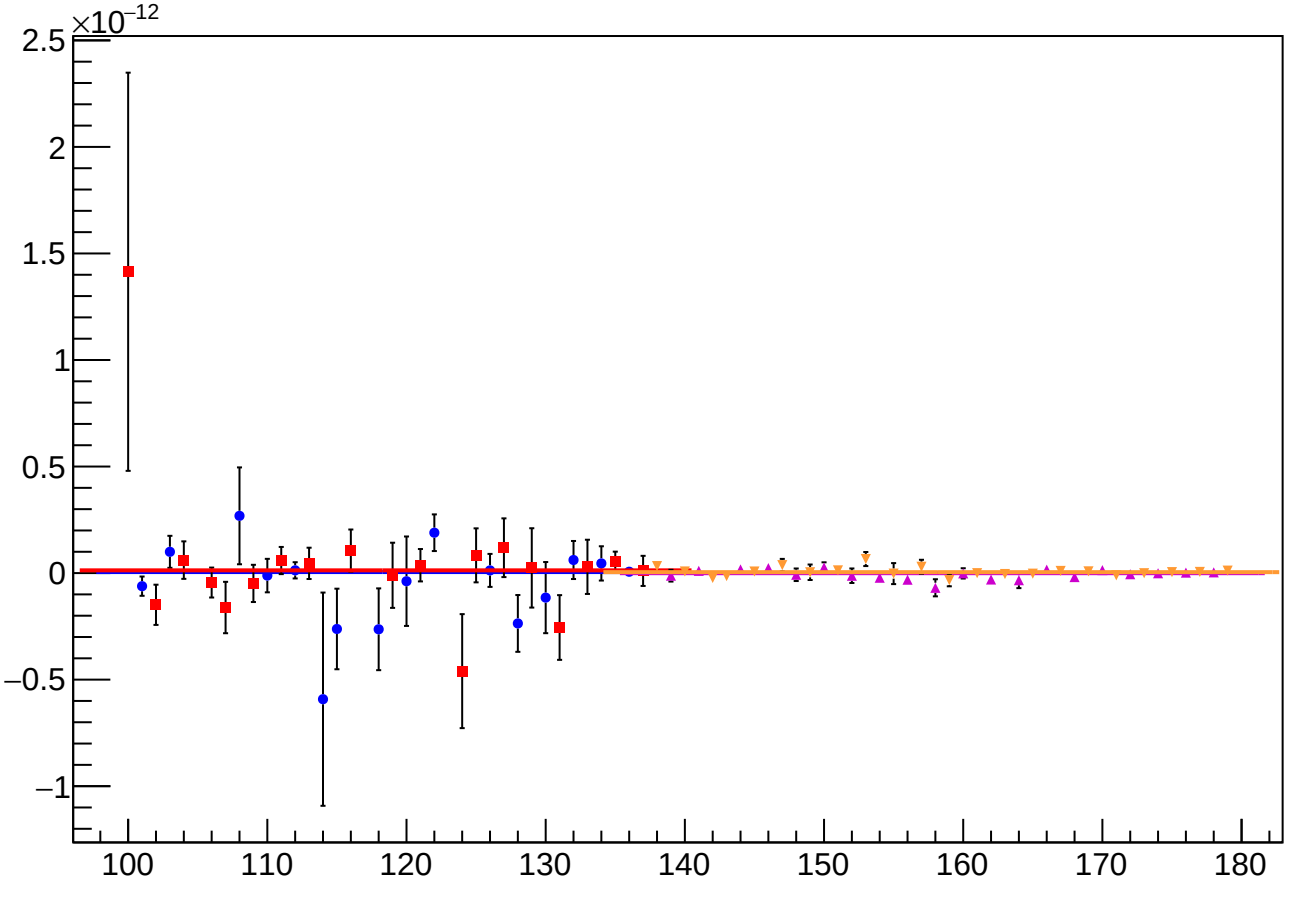
Right Out: 993.684+/-0.265 χ^2/NDF: 719799.0/18

Left In: 551.212+/-0.100 χ^2/NDF:1788414.2/19

+ sign 612.693+/-0.092 χ^2/NDF: 4830989.4/37

All: 609.458+/-0.066 χ^2/NDF: 9790274.9/76

- sign 606.151+/-0.093 χ^2/NDF: 4956797.5/38



Right In: 0.000+/-0.000 χ^2/NDF: 19.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.4/21

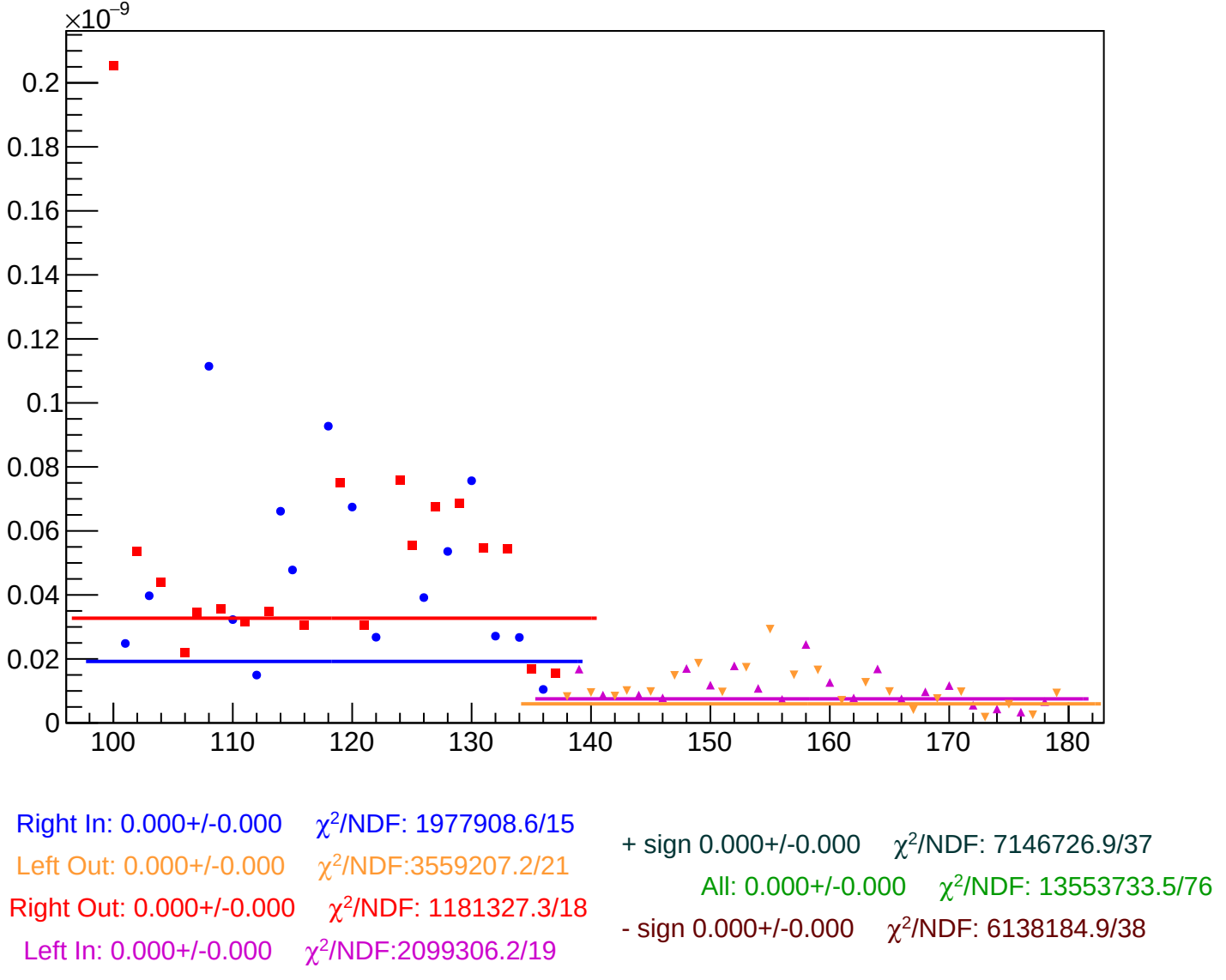
Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: -0.000+/-0.000 χ^2/NDF:18.4/19

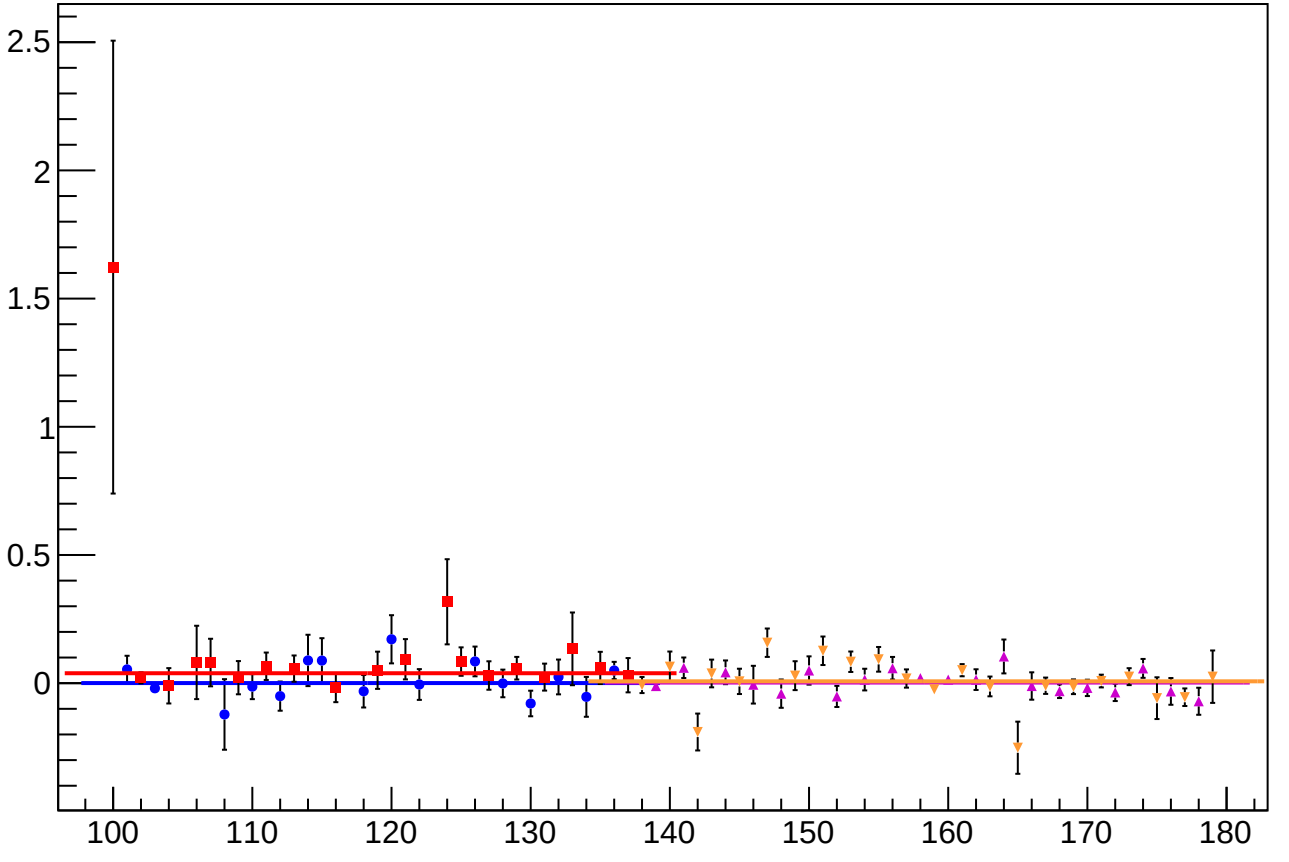
+ sign 0.000+/-0.000 χ^2/NDF: 34.1/37

All: 0.000+/-0.000 χ^2/NDF: 72.2/76

- sign -0.000+/-0.000 χ^2/NDF: 37.2/38


asym_sam_37_avg_reg_vs_cor_diff_rms vs Slug
×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
180
Right In: 0.000+/-0.000 χ²/NDF: 1977908.6/15
Left Out: 0.000+/-0.000 χ²/NDF:3559207.2/21
Right Out: 0.000+/-0.000 χ²/NDF: 1181327.3/18
Left In: 0.000+/-0.000 χ²/NDF:2099306.2/19
+ sign 0.000+/-0.000 χ²/NDF: 7146726.9/37
All: 0.000+/-0.000 χ²/NDF: 13553733.5/76
- sign 0.000+/-0.000 χ²/NDF: 6138184.9/38

asym_sam_37_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.007+/-0.008 χ^2/NDF:46.9/21

Right Out: 0.039+/-0.013 χ^2/NDF: 11.1/18

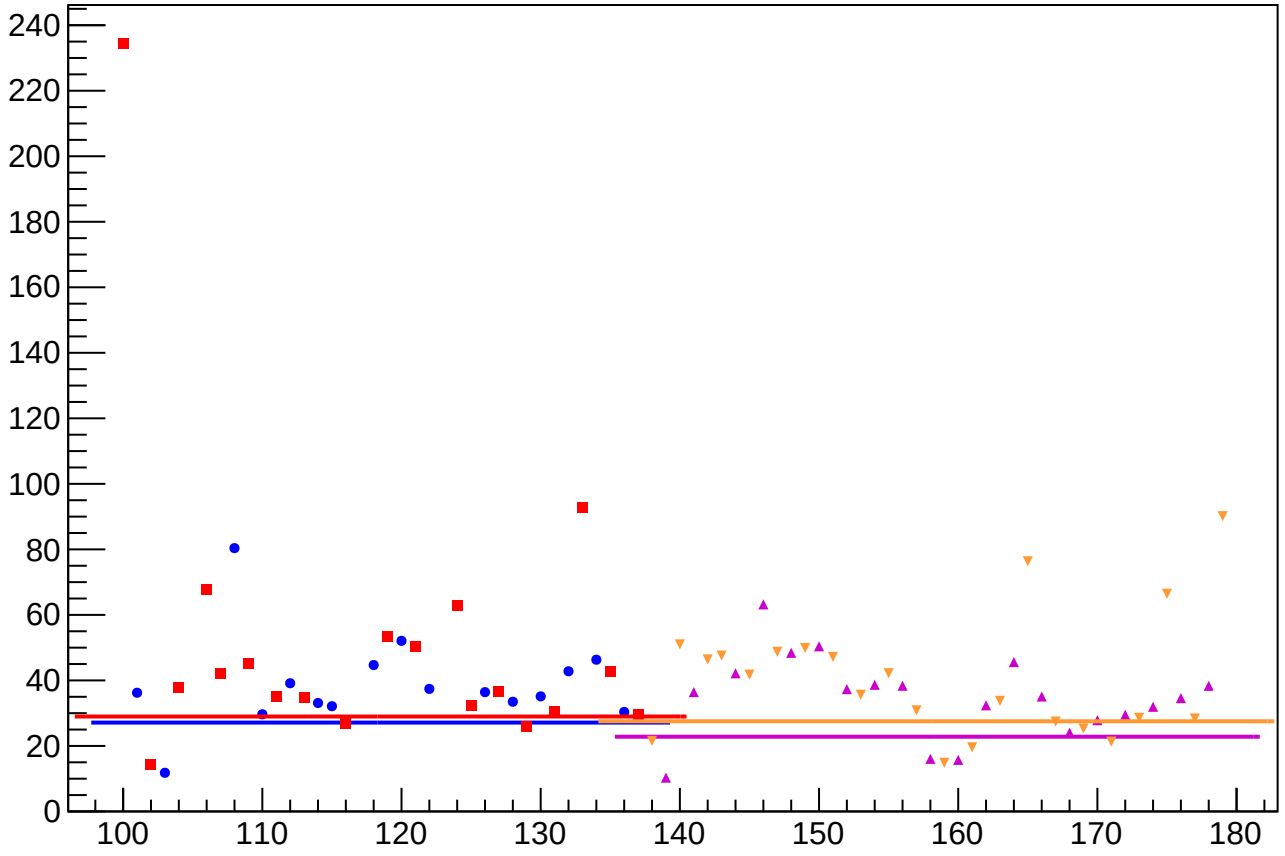
Left In: 0.002+/-0.007 χ^2/NDF:20.4/19

+ sign 0.005+/-0.006 χ^2/NDF: 63.6/37

All: 0.008+/-0.004 χ^2/NDF: 101.8/76

- sign 0.011+/-0.006 χ^2/NDF: 37.8/38

asym_sam_37_avg_dit_vs_cor_diff_rms vs Slug



Right In: 27.128+/-0.009 χ^2/NDF: 2415316.1/15

Left Out: 27.525+/-0.005 χ^2/NDF:5385288.9/21

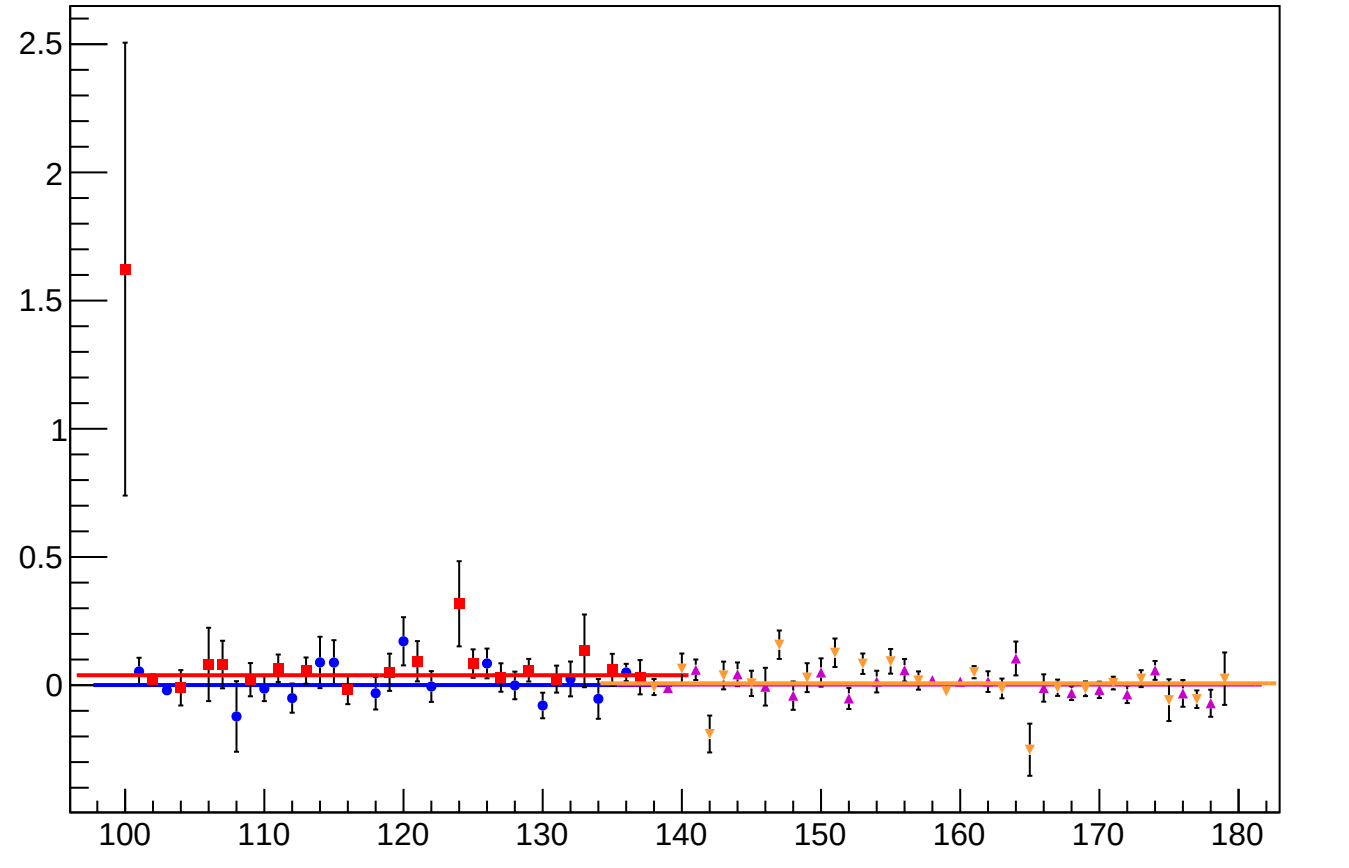
Right Out: 28.979+/-0.009 χ^2/NDF: 2456254.0/18

Left In: 22.816+/-0.005 χ^2/NDF:6212712.3/19

+ sign 27.411+/-0.005 χ^2/NDF: 7802154.5/37

All: 25.704+/-0.003 χ^2/NDF: 17101240.5/76

- sign 24.215+/-0.004 χ^2/NDF: 9036683.7/38



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.007+/-0.008 χ^2/NDF:46.9/21

Right Out: 0.039+/-0.013 χ^2/NDF: 11.1/18

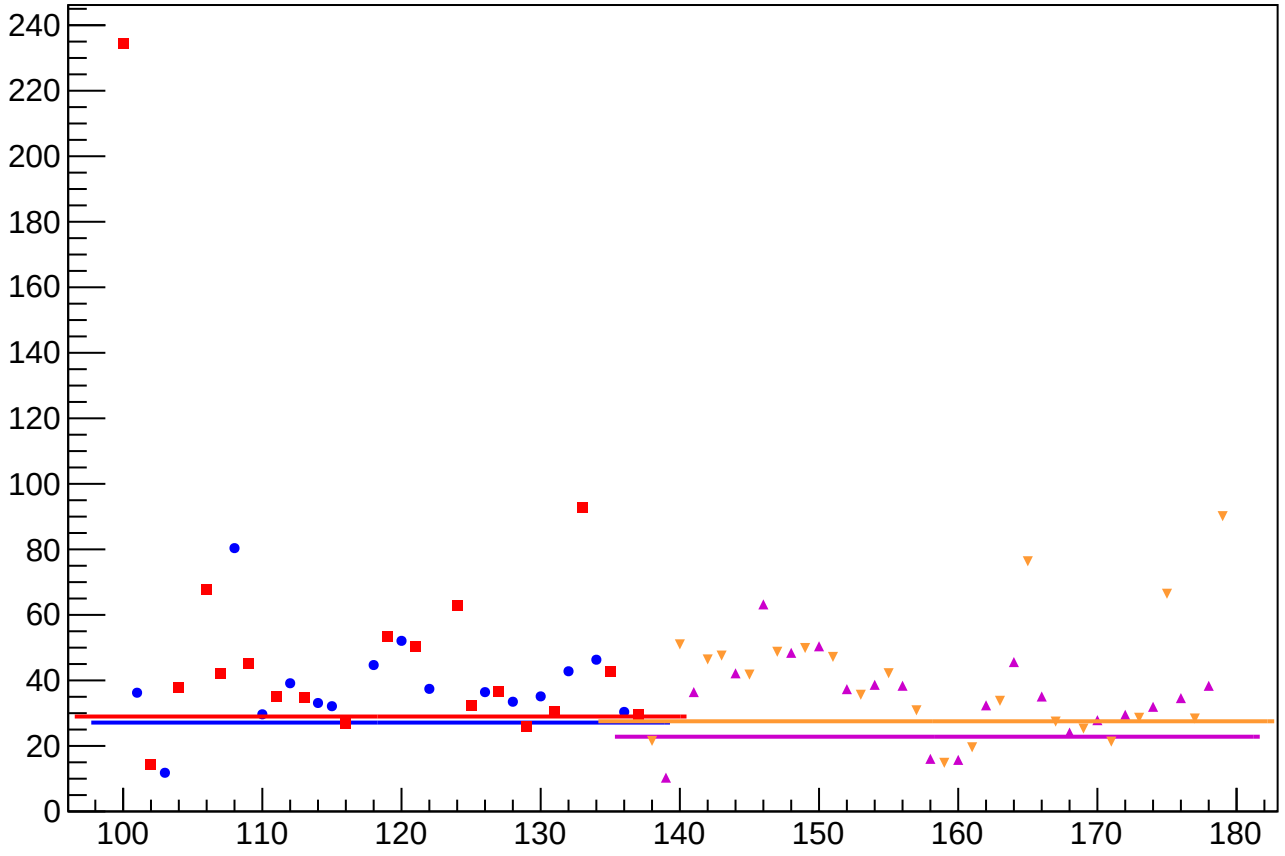
Left In: 0.002+/-0.007 χ^2/NDF:20.4/19

+ sign 0.005+/-0.006 χ^2/NDF: 63.6/37

All: 0.008+/-0.004 χ^2/NDF: 101.8/76

- sign 0.011+/-0.006 χ^2/NDF: 37.8/38

asym_sam_37_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 27.128+/-0.009 χ^2/NDF: 2415316.1/15

Left Out: 27.525+/-0.005 χ^2/NDF:5385288.9/21

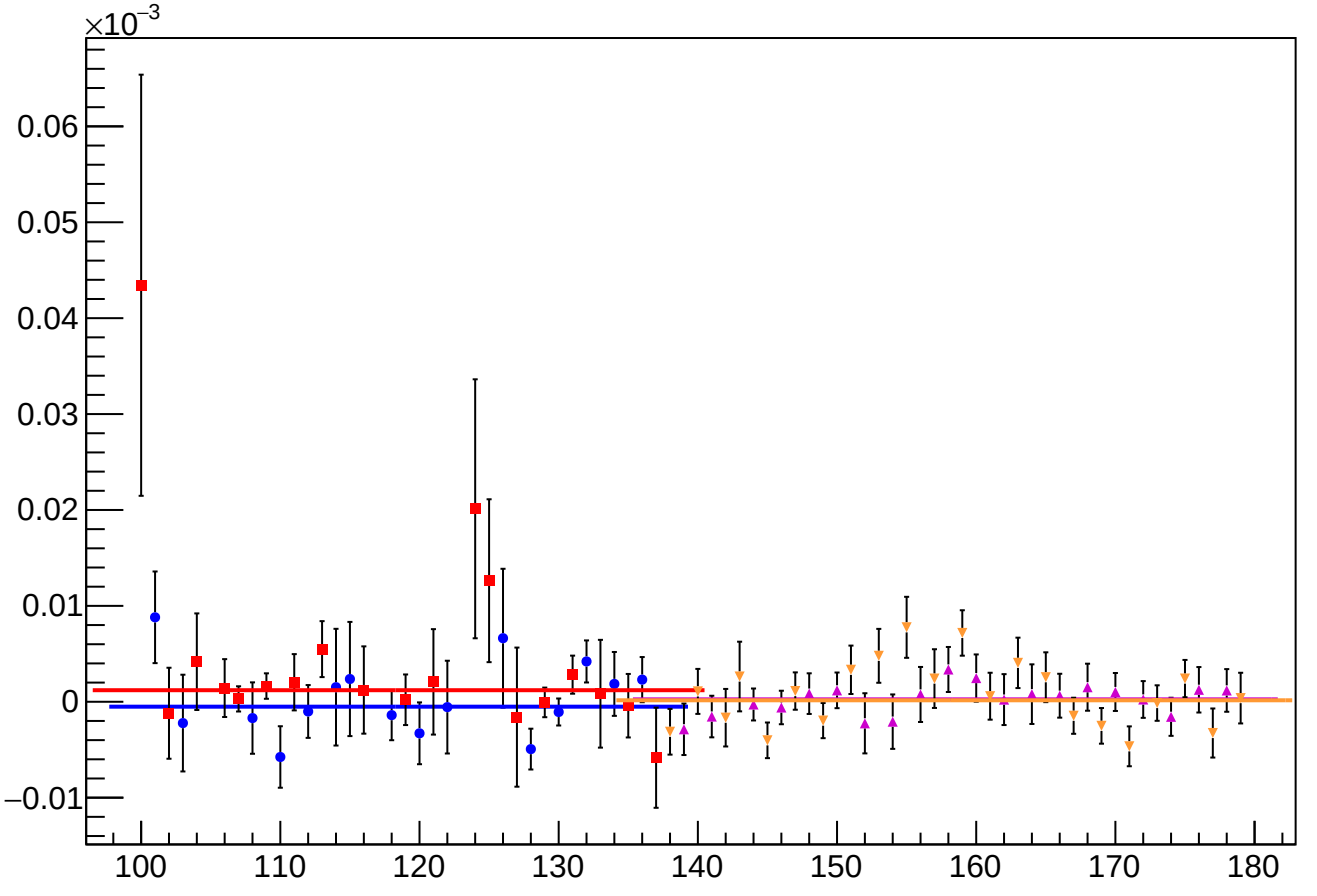
Right Out: 28.979+/-0.009 χ^2/NDF: 2456254.0/18

Left In: 22.816+/-0.005 χ^2/NDF:6212712.3/19

+ sign 27.411+/-0.005 χ^2/NDF: 7802154.5/37

All: 25.704+/-0.003 χ^2/NDF: 17101240.5/76

- sign 24.215+/-0.004 χ^2/NDF: 9036683.7/38



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:43.3/21

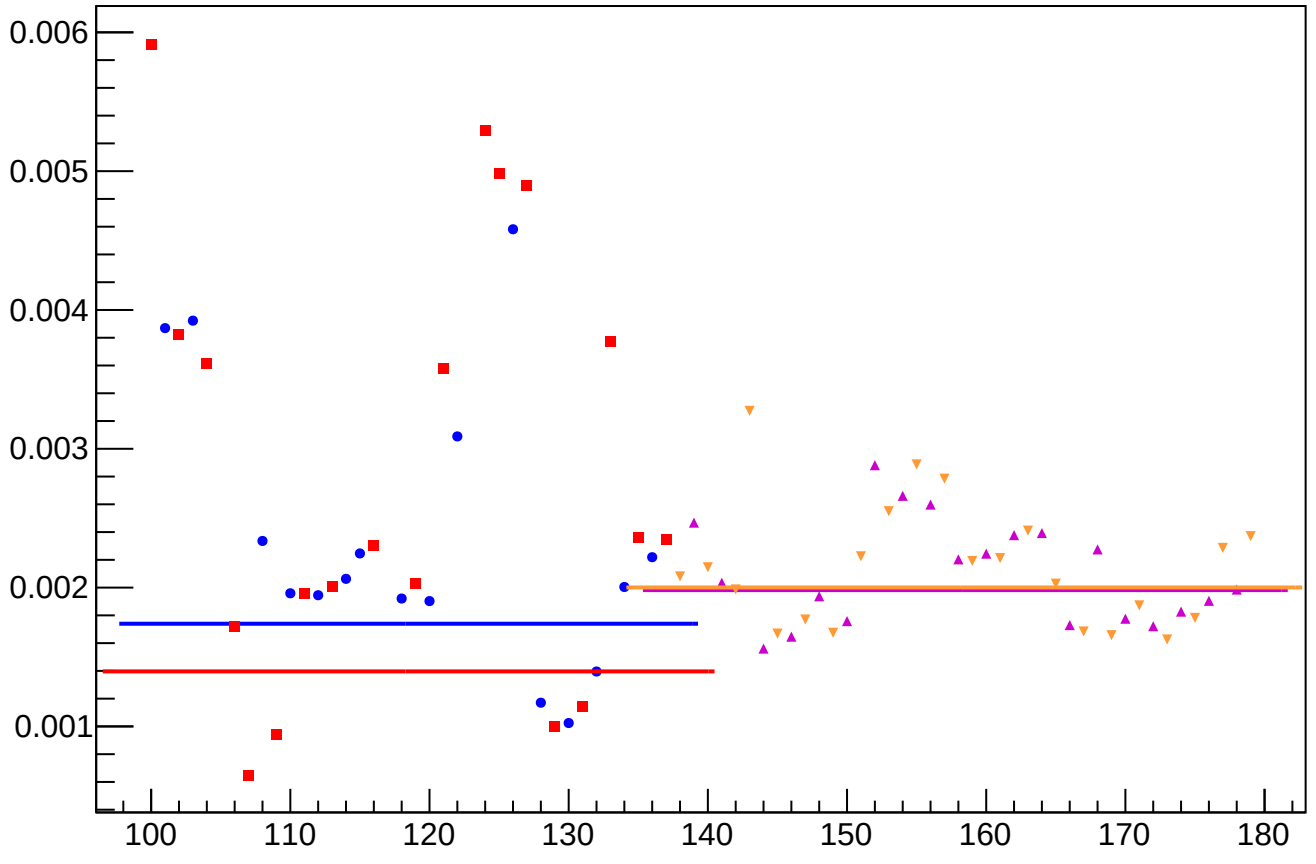
Right Out: 0.000+/-0.000 χ^2/NDF: 14.6/18

Left In: 0.000+/-0.000 χ^2/NDF:8.3/19

+ sign -0.000+/-0.000 χ^2/NDF: 63.8/37

All: 0.000+/-0.000 χ^2/NDF: 89.7/76

- sign 0.000+/-0.000 χ^2/NDF: 24.4/38



Right In: 0.002+/-0.000 χ^2/NDF: 2146798.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:1170347.4/21

Right Out: 0.001+/-0.000 χ^2/NDF: 4323193.2/18

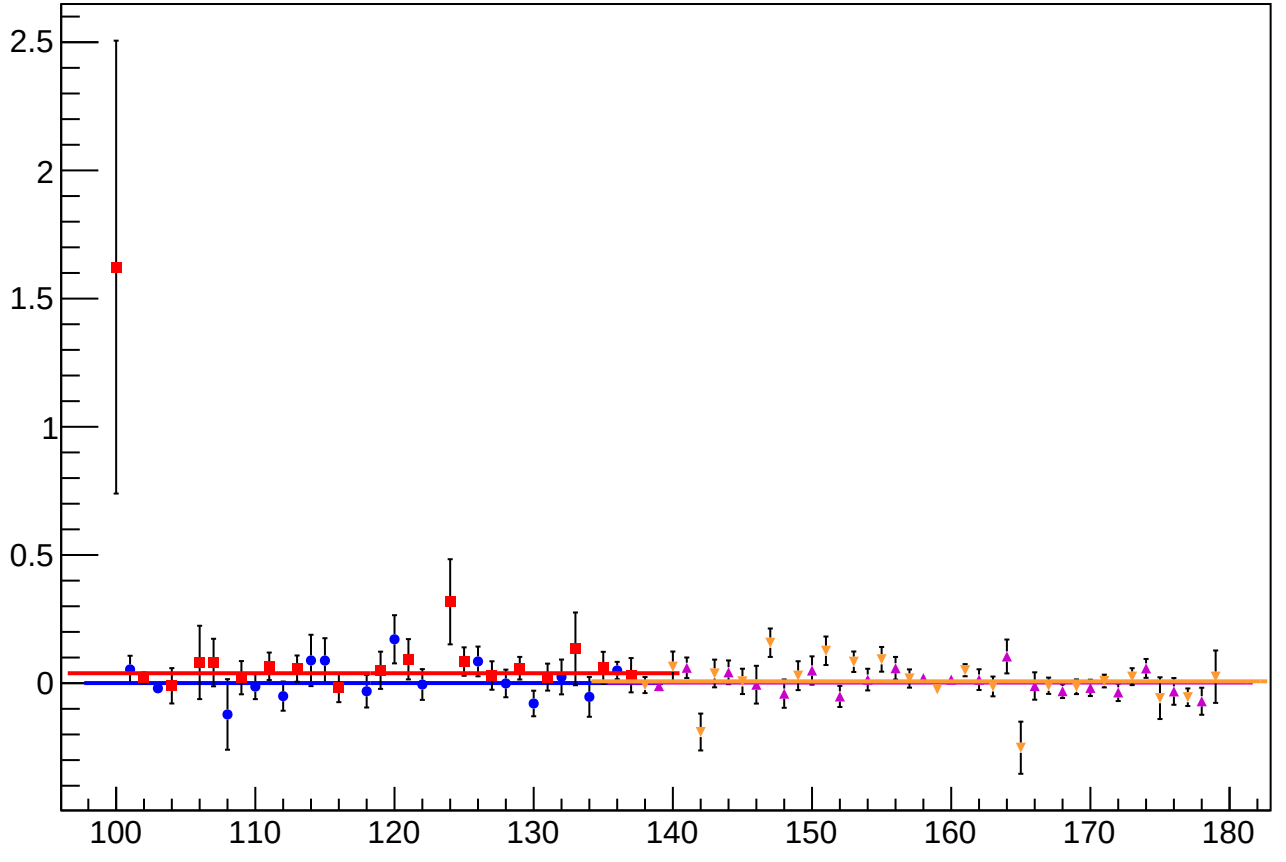
Left In: 0.002+/-0.000 χ^2/NDF:915256.0/19

+ sign 0.002+/-0.000 χ^2/NDF: 3498479.3/37

All: 0.002+/-0.000 χ^2/NDF: 10022184.2/76

- sign 0.002+/-0.000 χ^2/NDF: 6338773.5/38

asym_sam_37_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.007+/-0.008 χ^2/NDF:46.9/21

Right Out: 0.039+/-0.013 χ^2/NDF: 11.1/18

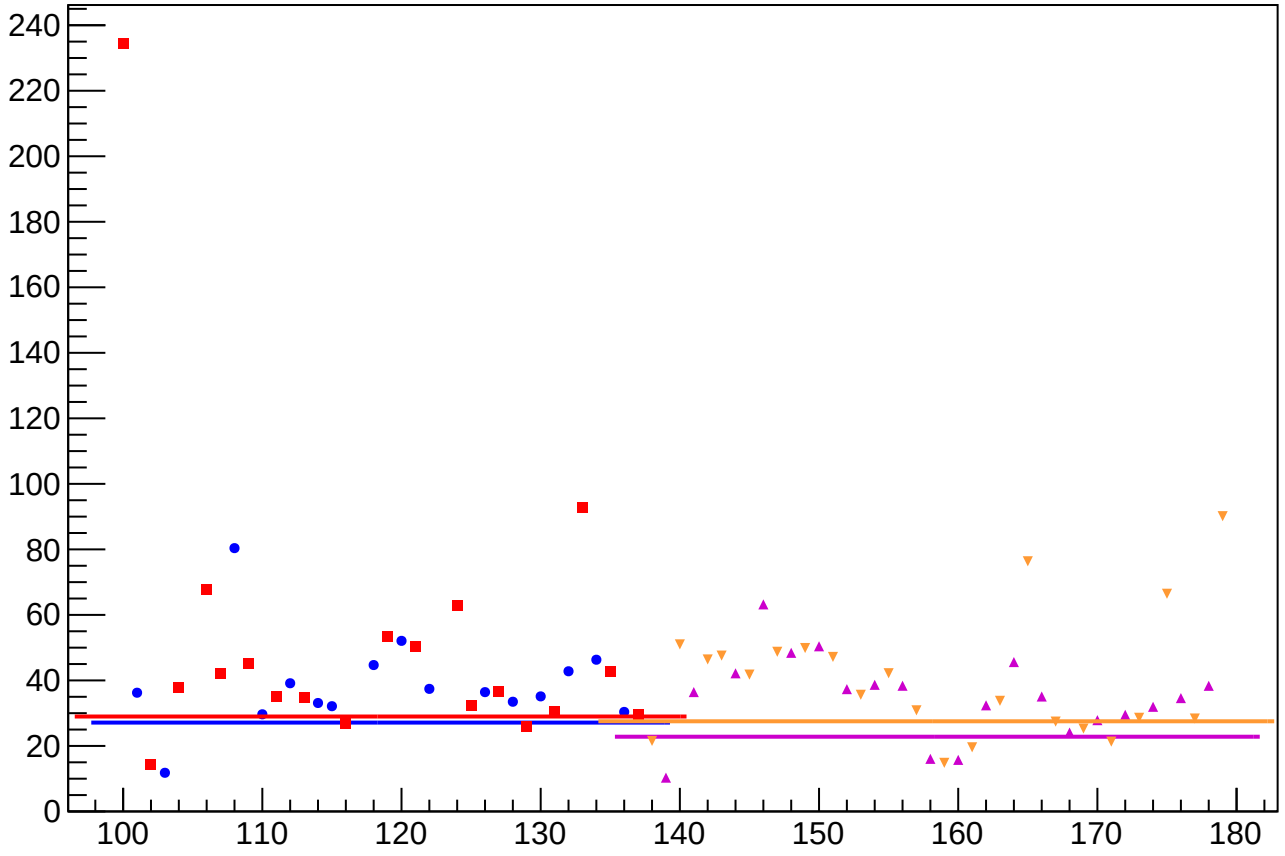
Left In: 0.002+/-0.007 χ^2/NDF:20.4/19

+ sign 0.005+/-0.006 χ^2/NDF: 63.6/37

All: 0.008+/-0.004 χ^2/NDF: 101.8/76

- sign 0.011+/-0.006 χ^2/NDF: 37.8/38

asym_sam_37_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 27.127+/-0.009 χ^2/NDF: 2415651.3/15

Left Out: 27.524+/-0.005 χ^2/NDF:5385725.0/21

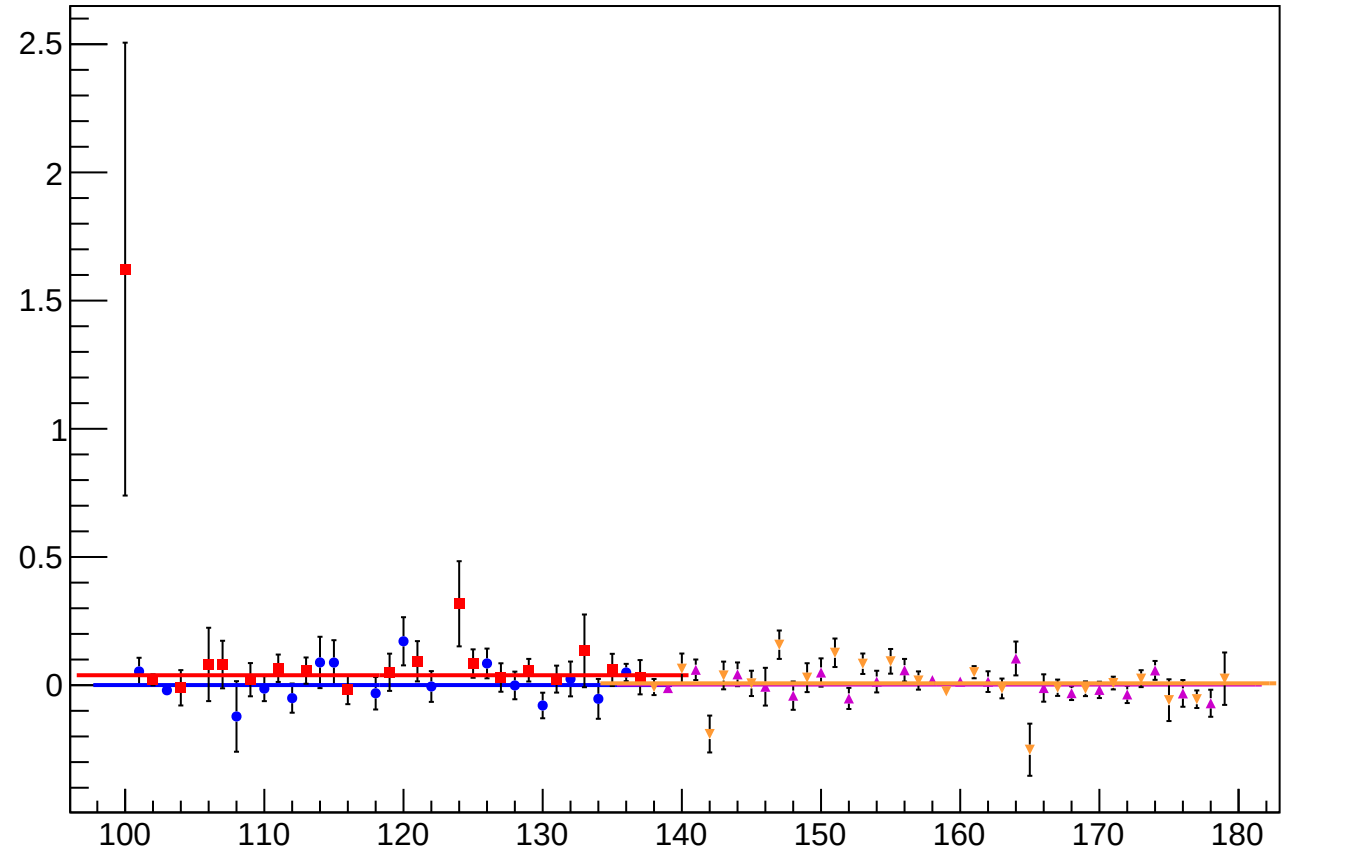
Right Out: 28.982+/-0.009 χ^2/NDF: 2455659.1/18

Left In: 22.815+/-0.005 χ^2/NDF:6213697.6/19

+ sign 27.410+/-0.005 χ^2/NDF: 7802928.6/37

All: 25.703+/-0.003 χ^2/NDF: 17102826.6/76

- sign 24.215+/-0.004 χ^2/NDF: 9037497.3/38



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.007+/-0.008 χ^2/NDF:46.9/21

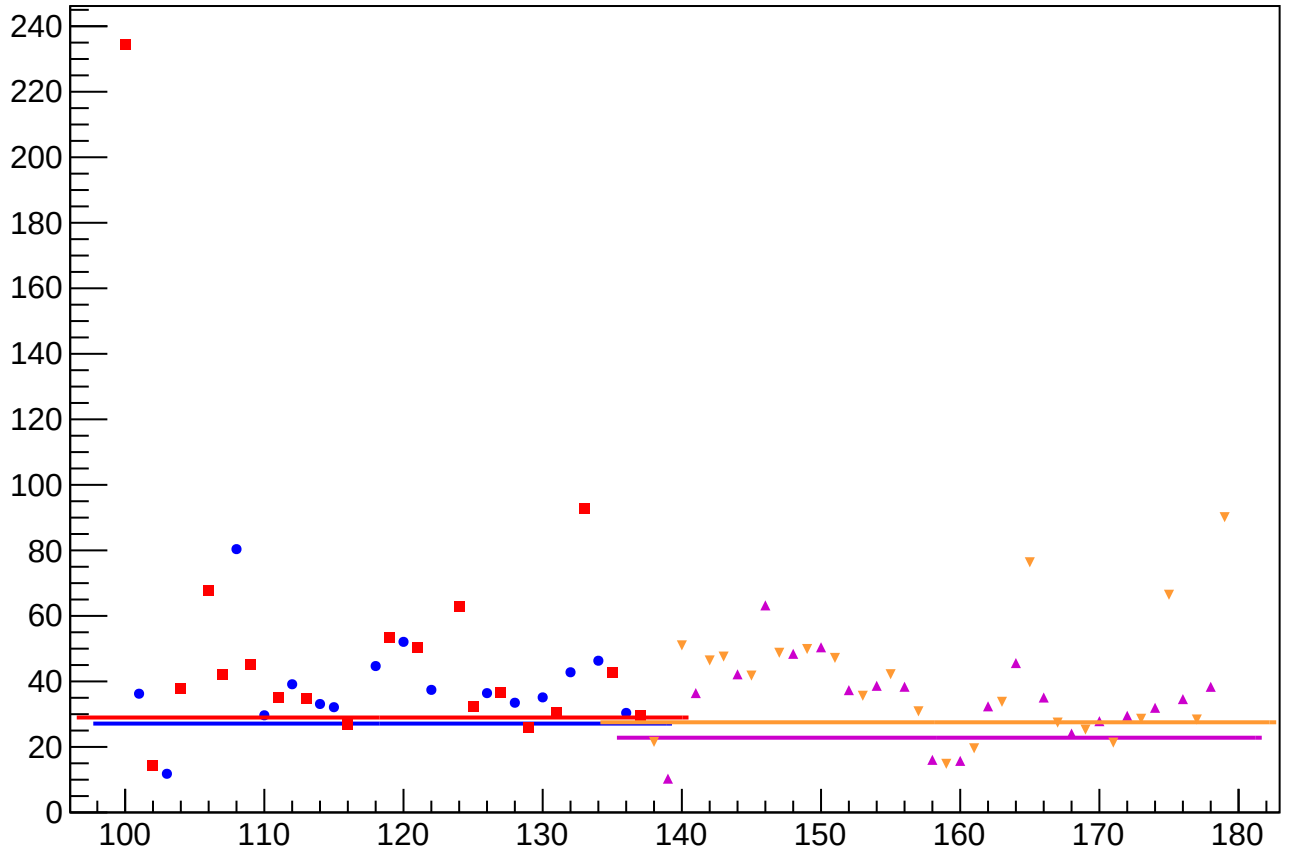
Right Out: 0.039+/-0.013 χ^2/NDF: 11.1/18

Left In: 0.002+/-0.007 χ^2/NDF:20.4/19

+ sign 0.005+/-0.006 χ^2/NDF: 63.6/37

All: 0.008+/-0.004 χ^2/NDF: 101.8/76

- sign 0.011+/-0.006 χ^2/NDF: 37.8/38



Right In: 27.127+/-0.009 χ^2/NDF: 2415651.3/15

Left Out: 27.524+/-0.005 χ^2/NDF:5385725.0/21

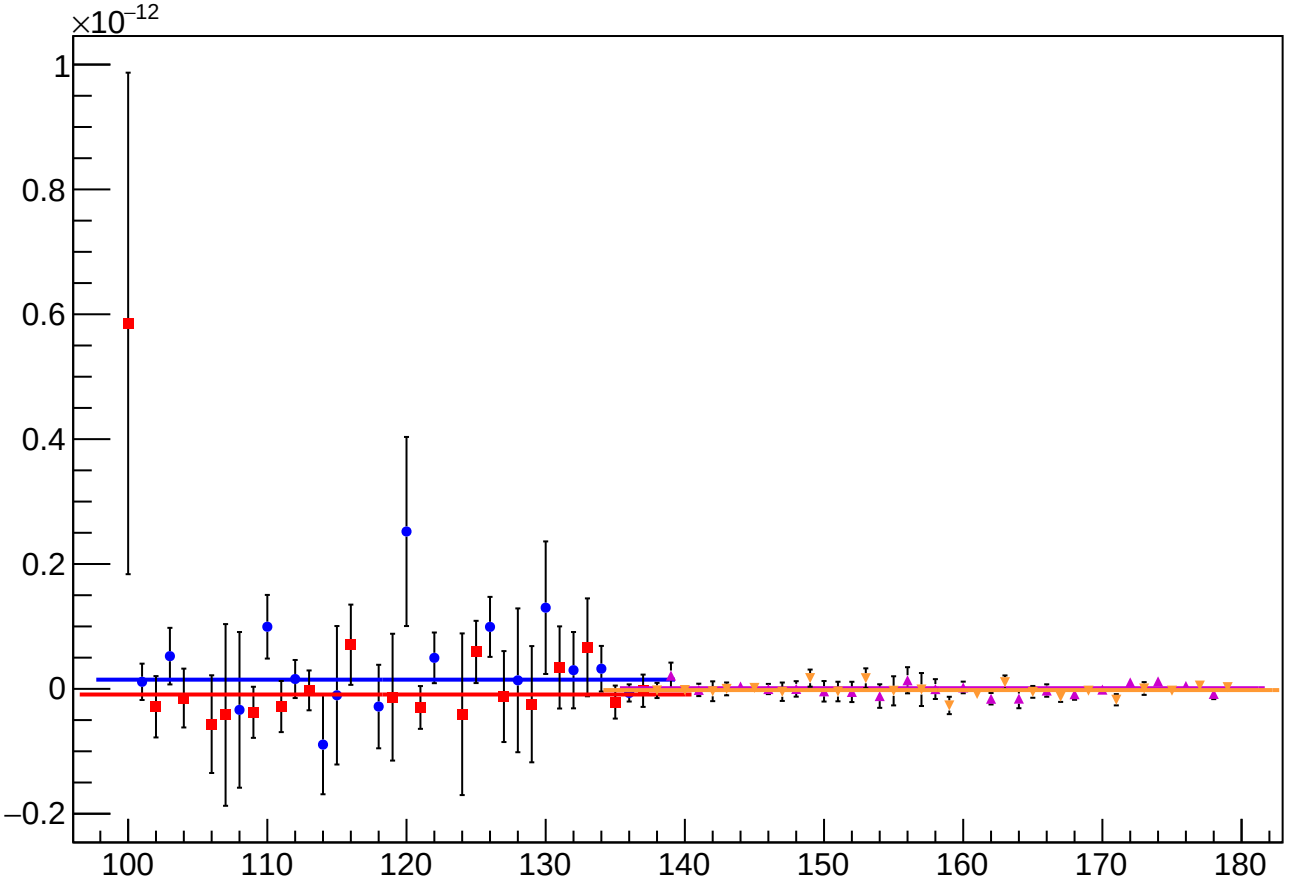
Right Out: 28.982+/-0.009 χ^2/NDF: 2455659.1/18

Left In: 22.815+/-0.005 χ^2/NDF:6213697.6/19

+ sign 27.410+/-0.005 χ^2/NDF: 7802928.6/37

All: 25.703+/-0.003 χ^2/NDF: 17102826.6/76

- sign 24.215+/-0.004 χ^2/NDF: 9037497.3/38



Right In: 0.000+/-0.000 χ^2/NDF: 15.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.4/21

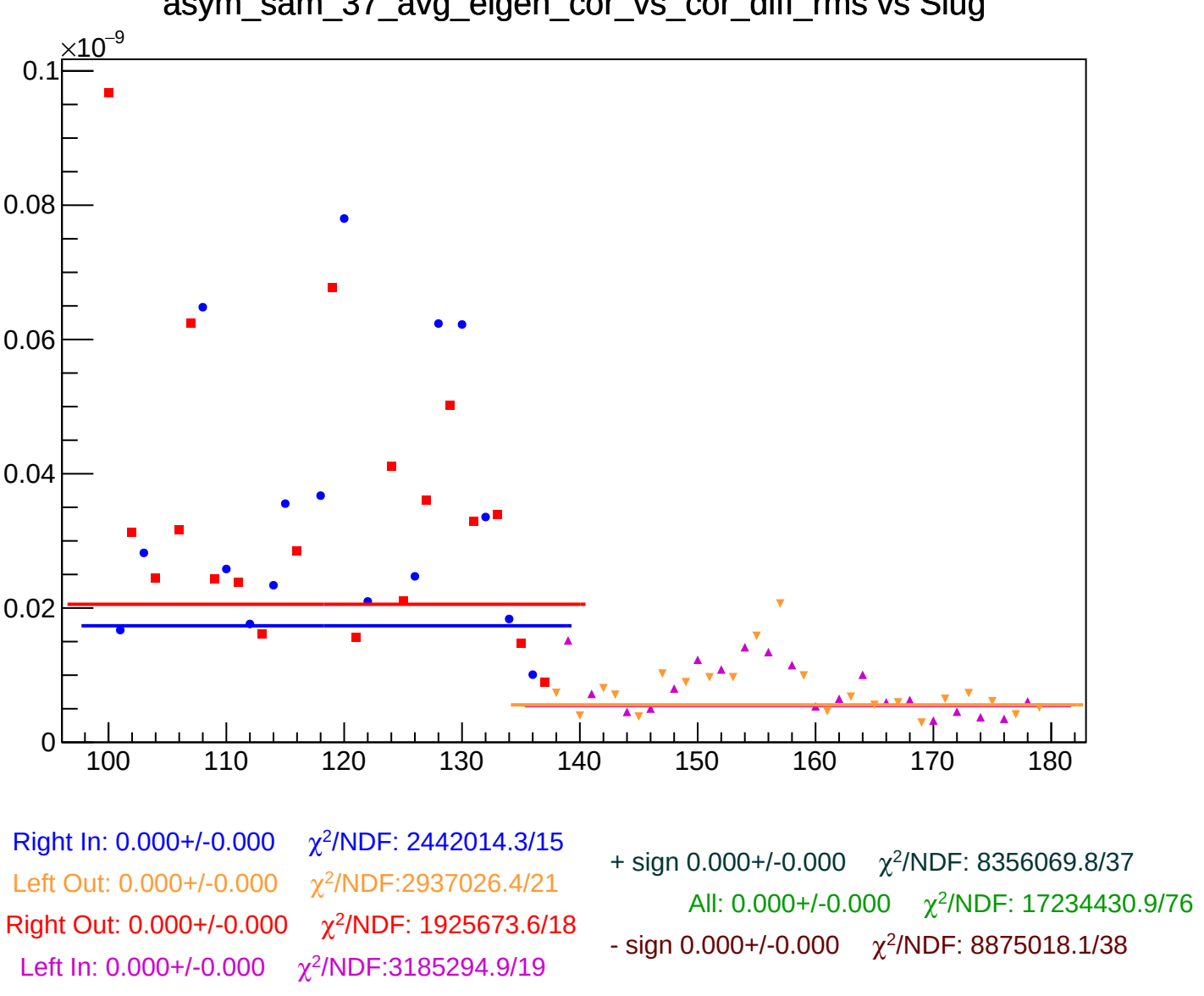
Right Out: -0.000+/-0.000 χ^2/NDF: 9.0/18

Left In: 0.000+/-0.000 χ^2/NDF:15.1/19

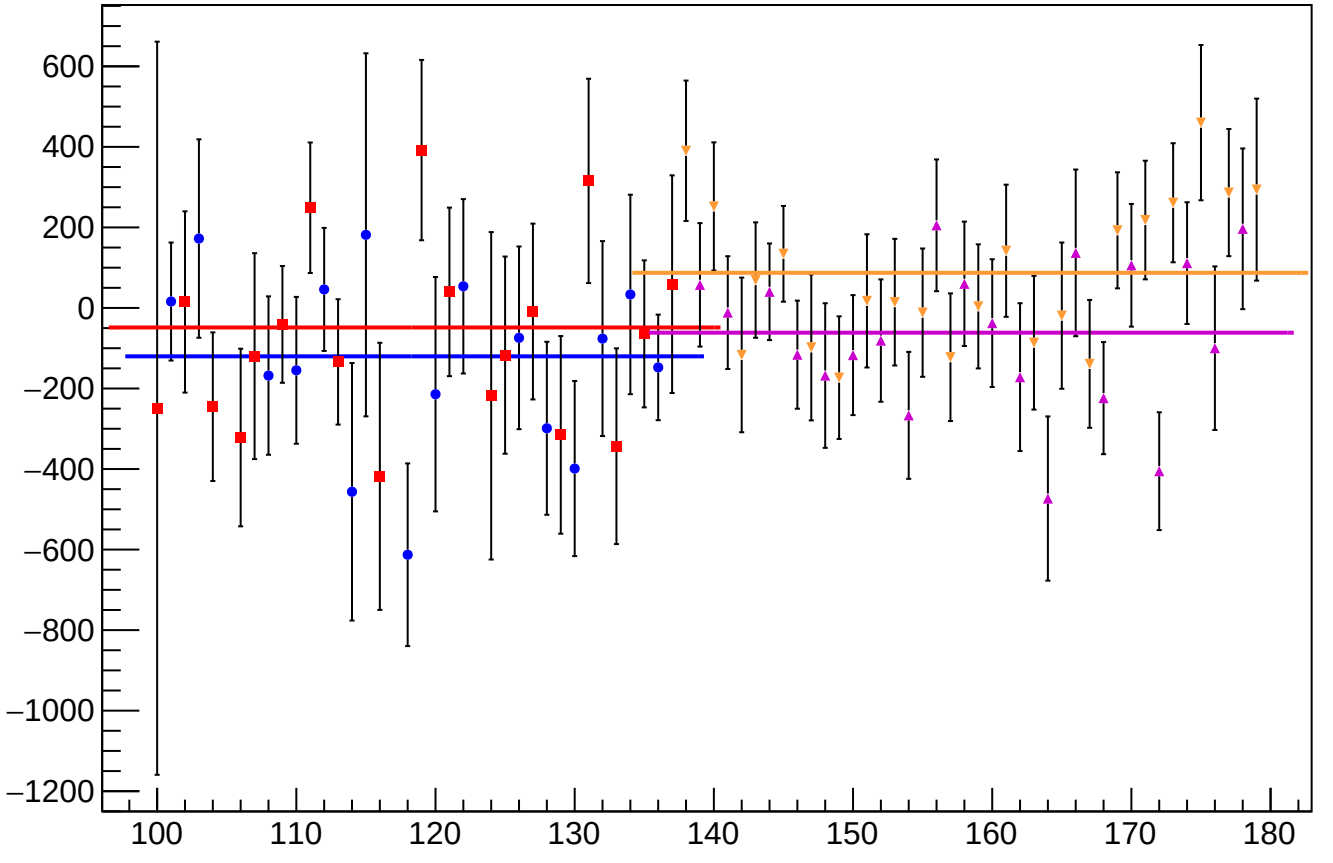
+ sign -0.000+/-0.000 χ^2/NDF: 34.4/37

All: -0.000+/-0.000 χ^2/NDF: 59.9/76

- sign 0.000+/-0.000 χ^2/NDF: 25.0/38


asym_sam_37_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2442014.3/15
Left Out: 0.000+/-0.000 χ²/NDF:2937026.4/21
Right Out: 0.000+/-0.000 χ²/NDF: 1925673.6/18
Left In: 0.000+/-0.000 χ²/NDF:3185294.9/19
+ sign 0.000+/-0.000 χ²/NDF: 8356069.8/37
All: 0.000+/-0.000 χ²/NDF: 17234430.9/76
- sign 0.000+/-0.000 χ²/NDF: 8875018.1/38

reg_asym_sam_48_avg_mean vs Slug



Right In: -120.159+/-51.103 χ^2/NDF: 13.4/15

Left Out: 87.272+/-34.083 χ^2/NDF:24.6/21

Right Out: -48.449+/-49.910 χ^2/NDF: 17.0/18

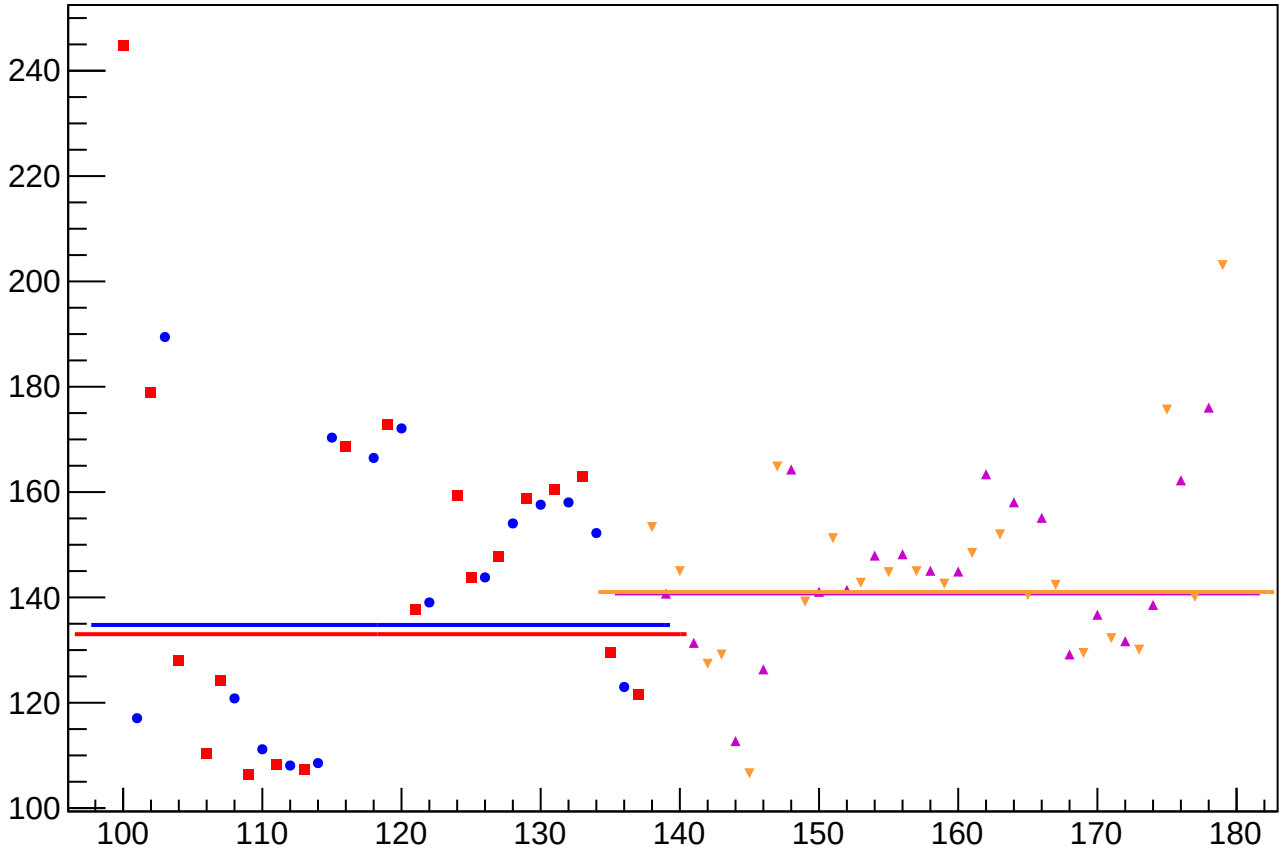
Left In: -61.415+/-35.161 χ^2/NDF:23.6/19

+ sign 23.409+/-28.355 χ^2/NDF: 49.4/37

All: -16.304+/-20.186 χ^2/NDF: 94.1/76

- sign -57.114+/-28.744 χ^2/NDF: 40.6/38

reg_asym_sam_48_avg_rms vs Slug



Right In: 134.771+/-0.036 χ^2/NDF: 416778.7/15

Left Out: 141.019+/-0.024 χ^2/NDF:507313.8/21

Right Out: 133.019+/-0.035 χ^2/NDF: 495717.0/18

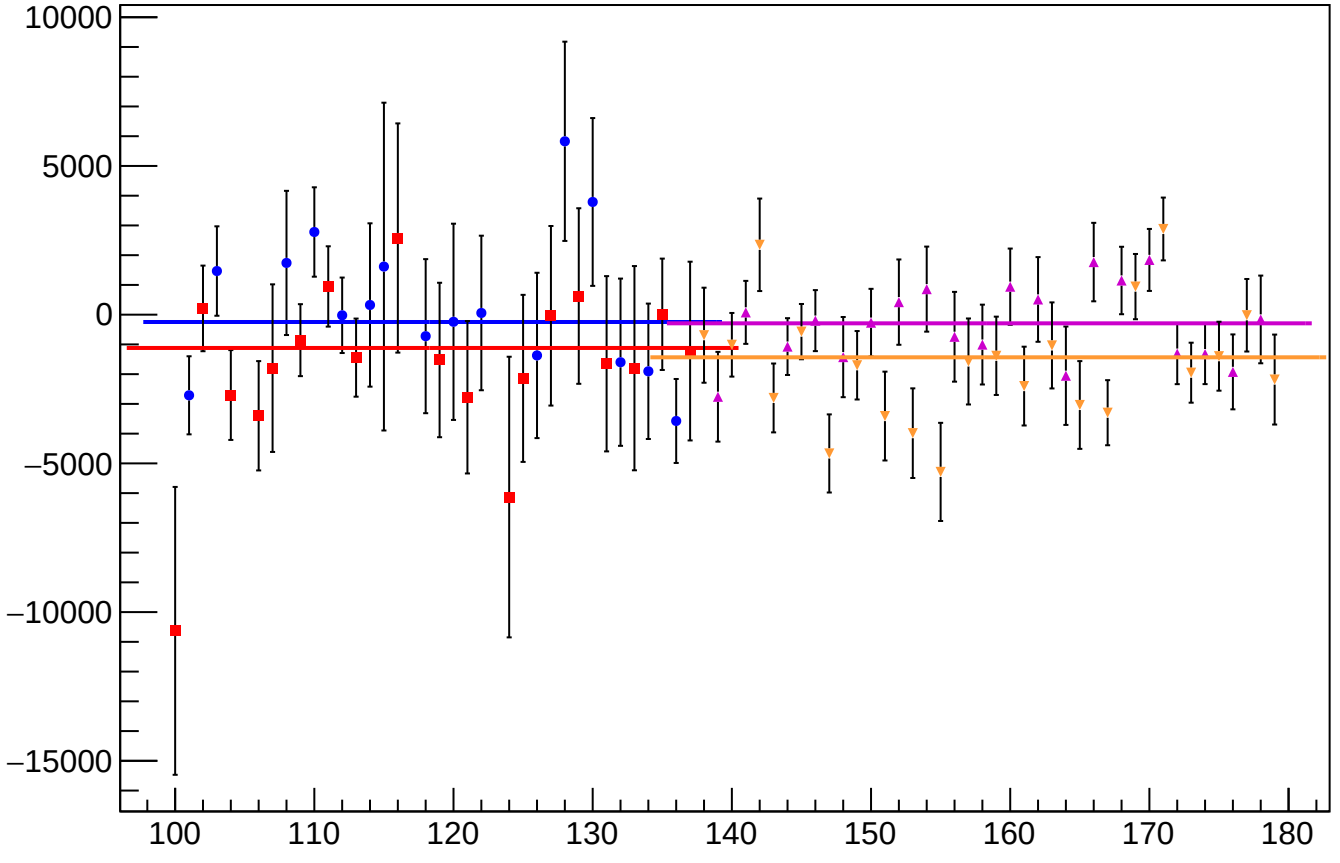
Left In: 140.754+/-0.025 χ^2/NDF:349513.2/19

+ sign 139.095+/-0.020 χ^2/NDF: 944780.4/37

All: 138.648+/-0.014 χ^2/NDF: 1823122.8/76

- sign 138.189+/-0.020 χ^2/NDF: 877334.6/38

asym_sam_48_avg_reg_correction_mean vs Slug



Right In: -246.357+/-501.413 χ^2/NDF: 21.6/15

Left Out: -1433.494+/-265.963 χ^2/NDF:52.7/21

Right Out: -1119.420+/-468.400 χ^2/NDF: 13.4/18

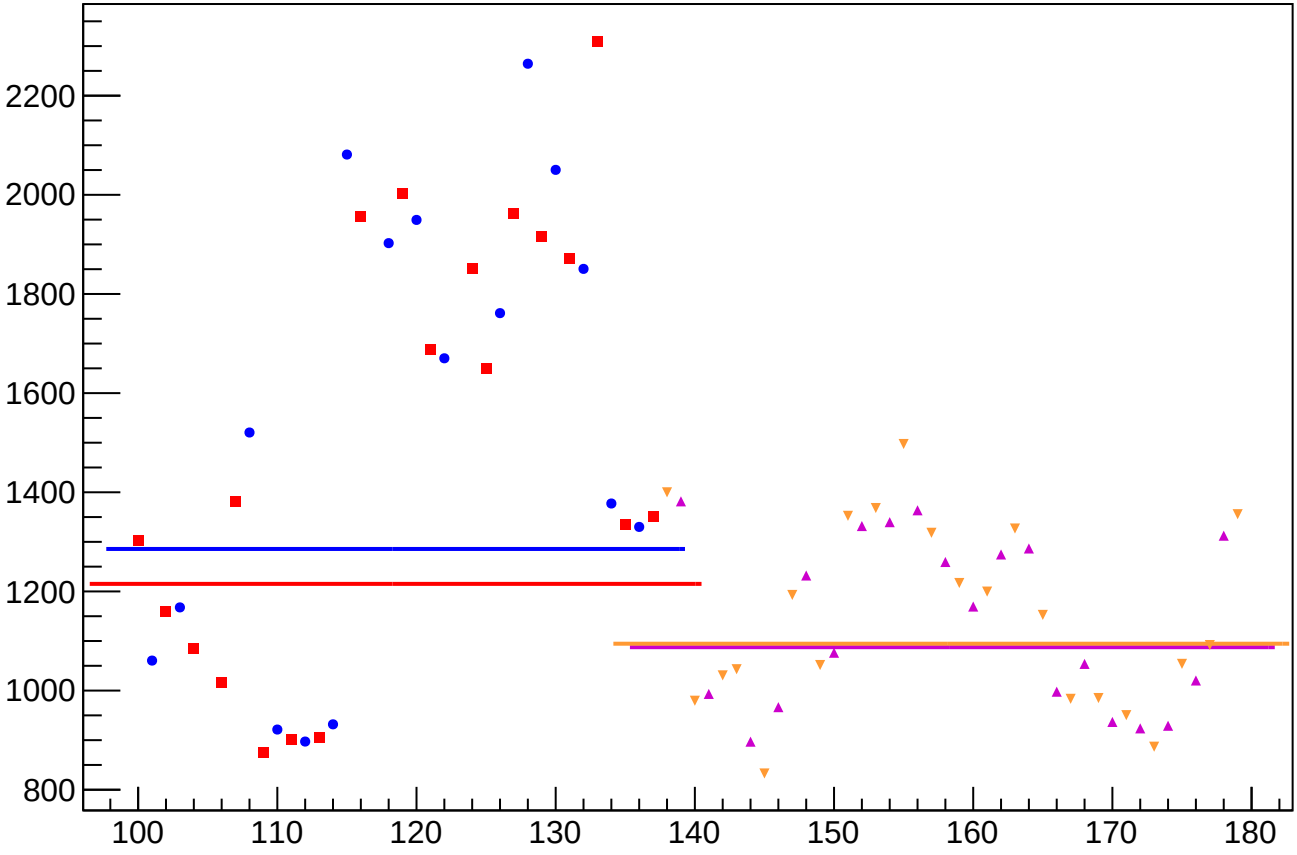
Left In: -291.059+/-272.865 χ^2/NDF:19.8/19

+ sign -1172.830+/-234.956 χ^2/NDF: 78.7/37

All: -838.058+/-166.428 χ^2/NDF: 118.2/76

- sign -500.946+/-235.776 χ^2/NDF: 35.5/38

asym_sam_48_avg_reg_correction_rms vs Slug



Right In: 1285.668+/-0.355 χ^2/NDF: 1170437.4/15

Left Out: 1094.550+/-0.188 χ^2/NDF:878327.9/21

Right Out: 1215.237+/-0.331 χ^2/NDF: 1386290.4/18

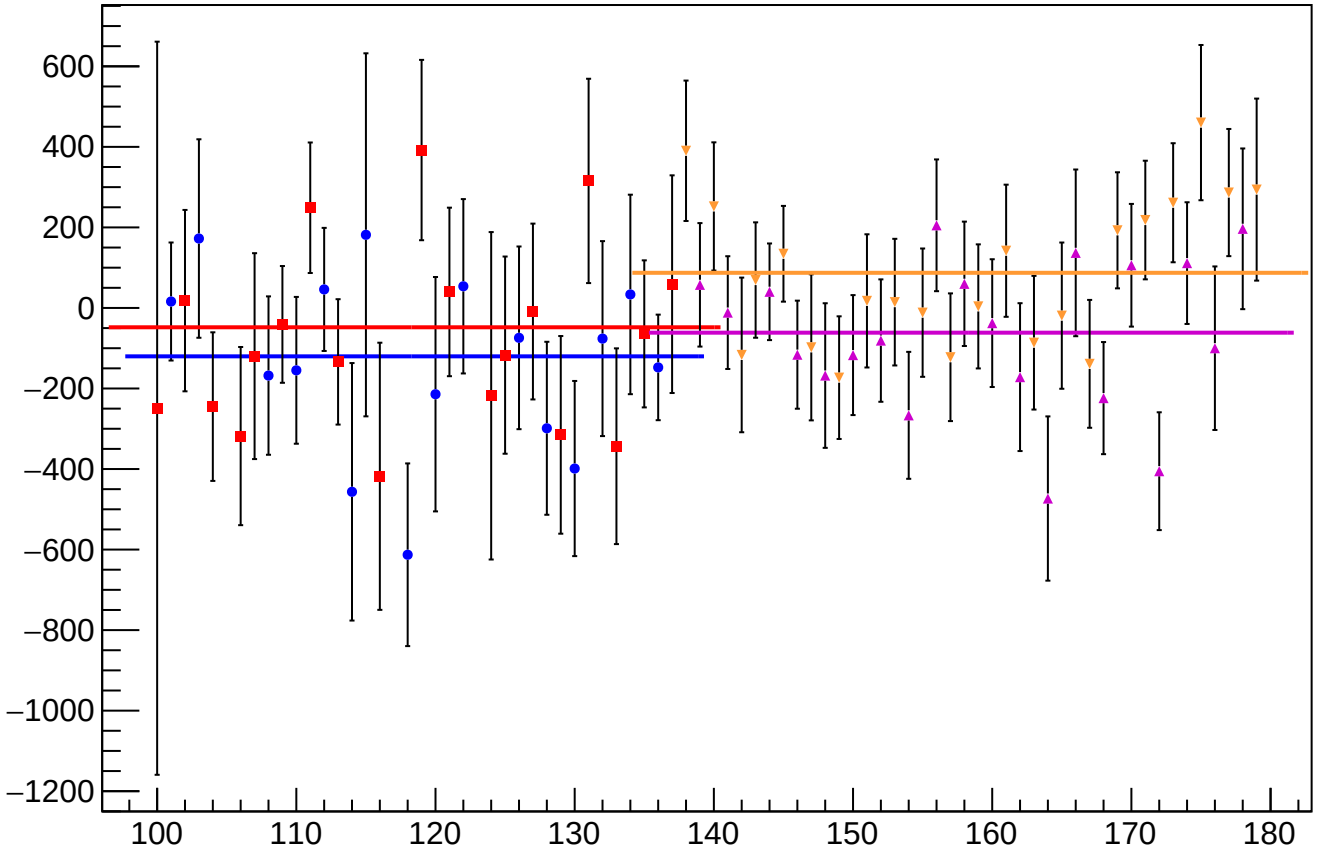
Left In: 1087.524+/-0.193 χ^2/NDF:719414.2/19

+ sign 1136.514+/-0.166 χ^2/NDF: 2275530.0/37

All: 1128.228+/-0.118 χ^2/NDF: 4497239.6/76

- sign 1119.883+/-0.167 χ^2/NDF: 2216716.8/38

cor_asym_sam_48_avg_mean vs Slug



Right In: -120.169+/-51.103 χ^2/NDF: 13.4/15

Left Out: 87.280+/-34.083 χ^2/NDF:24.6/21

Right Out: -48.013+/-49.919 χ^2/NDF: 17.0/18

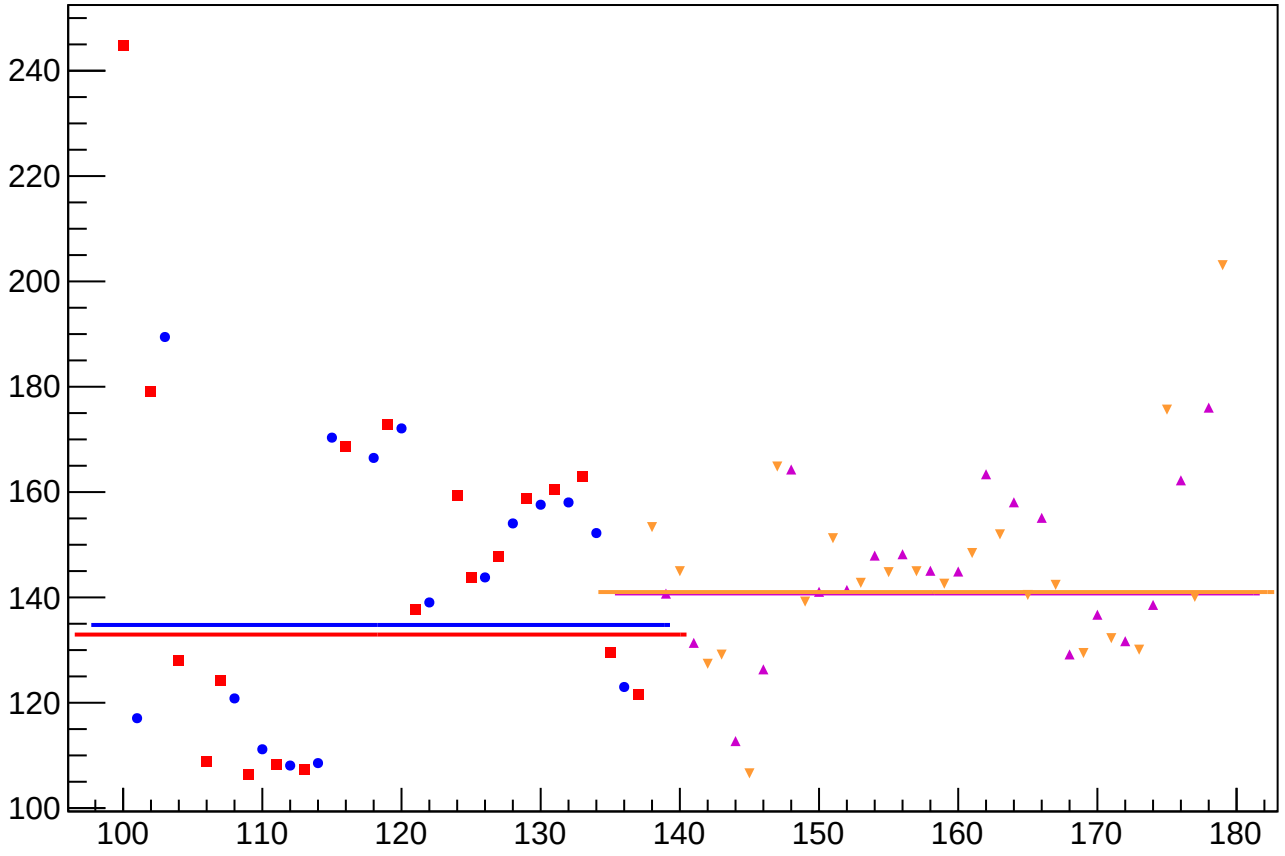
Left In: -61.416+/-35.161 χ^2/NDF:23.6/19

+ sign 23.411+/-28.355 χ^2/NDF: 49.5/37

All: -16.230+/-20.187 χ^2/NDF: 94.0/76

- sign -56.971+/-28.746 χ^2/NDF: 40.6/38

cor_asym_sam_48_avg_rms vs Slug



Right In: 134.771+/-0.036 χ^2/NDF: 416781.8/15

Left Out: 141.019+/-0.024 χ^2/NDF:507313.8/21

Right Out: 132.947+/-0.035 χ^2/NDF: 498850.6/18

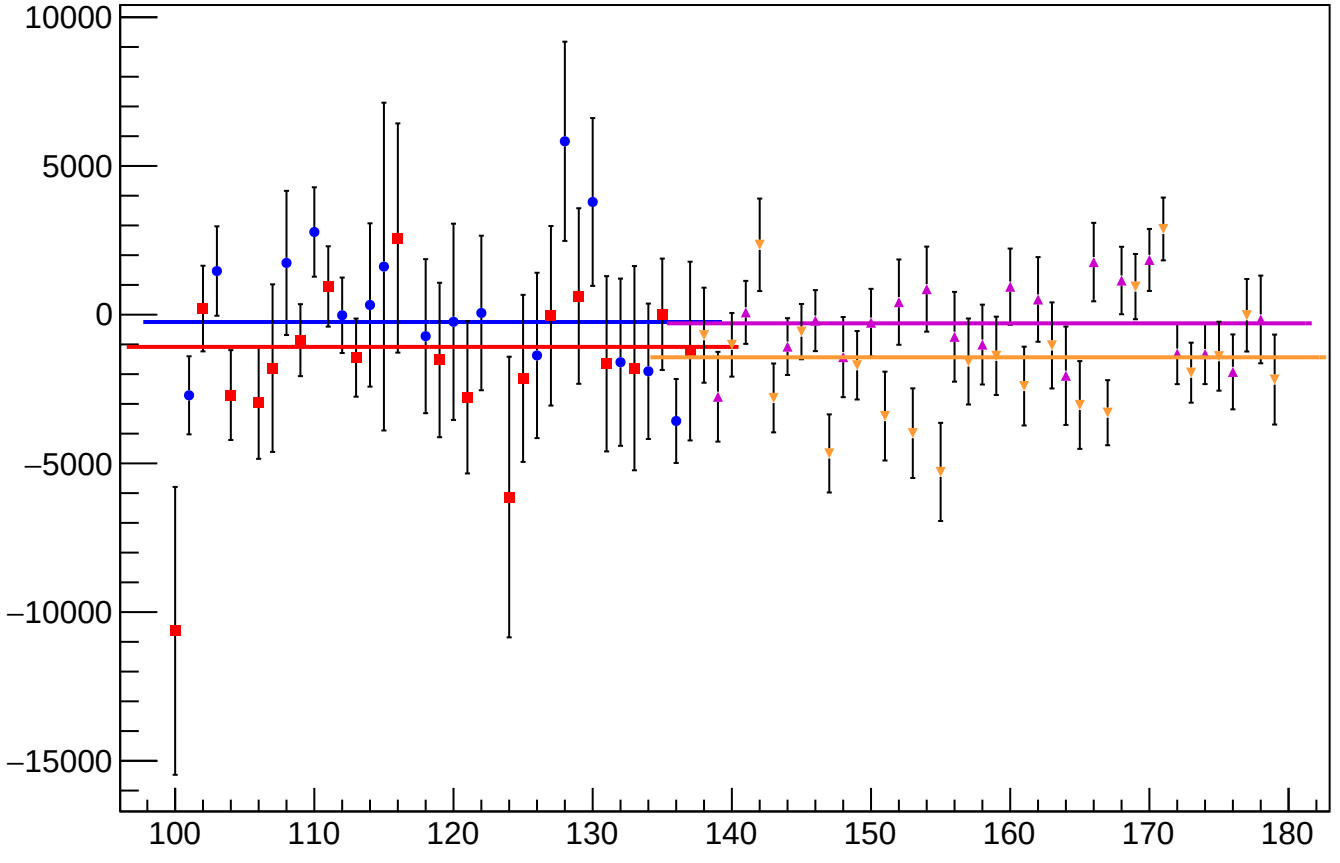
Left In: 140.754+/-0.025 χ^2/NDF:349513.2/19

+ sign 139.095+/-0.020 χ^2/NDF: 944783.3/37

All: 138.637+/-0.014 χ^2/NDF: 1826907.6/76

- sign 138.165+/-0.020 χ^2/NDF: 881063.8/38

asym_sam_48_avg_cor_correction_mean vs Slug



Right In: -246.428+/-501.418 χ^2/NDF: 21.6/15

Left Out: -1433.486+/-265.962 χ^2/NDF:52.7/21

Right Out: -1084.094+/-469.323 χ^2/NDF: 12.8/18

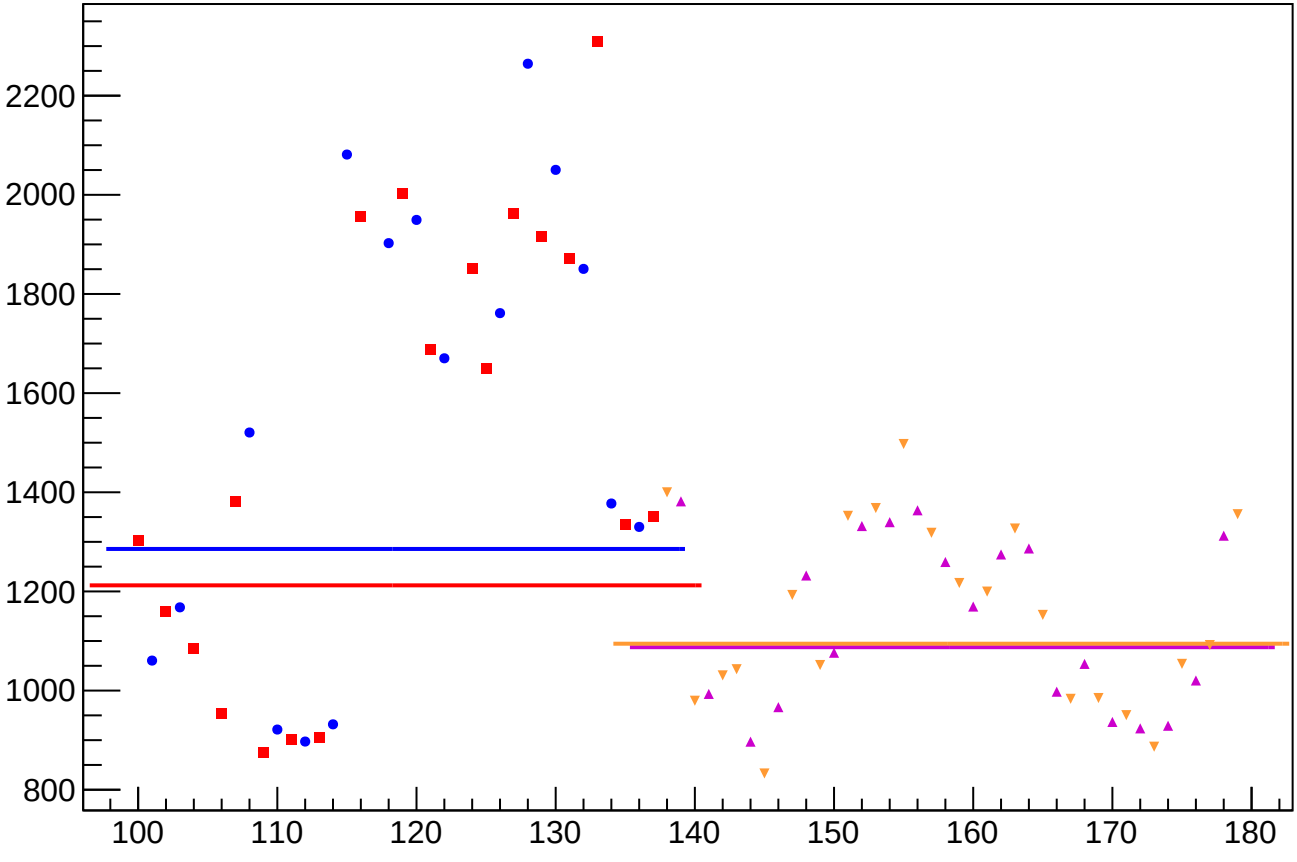
Left In: -291.065+/-272.865 χ^2/NDF:19.8/19

\+ sign -1172.843+/-234.956 χ^2/NDF: 78.7/37

All: -833.481+/-166.469 χ^2/NDF: 117.5/76

\- sign -491.409+/-235.893 χ^2/NDF: 34.7/38

asym_sam_48_avg_cor_correction_rms vs Slug



Right In: 1285.682+/-0.355 χ^2/NDF: 1170412.5/15

Left Out: 1094.549+/-0.188 χ^2/NDF:878328.5/21

Right Out: 1212.276+/-0.332 χ^2/NDF: 1400635.5/18

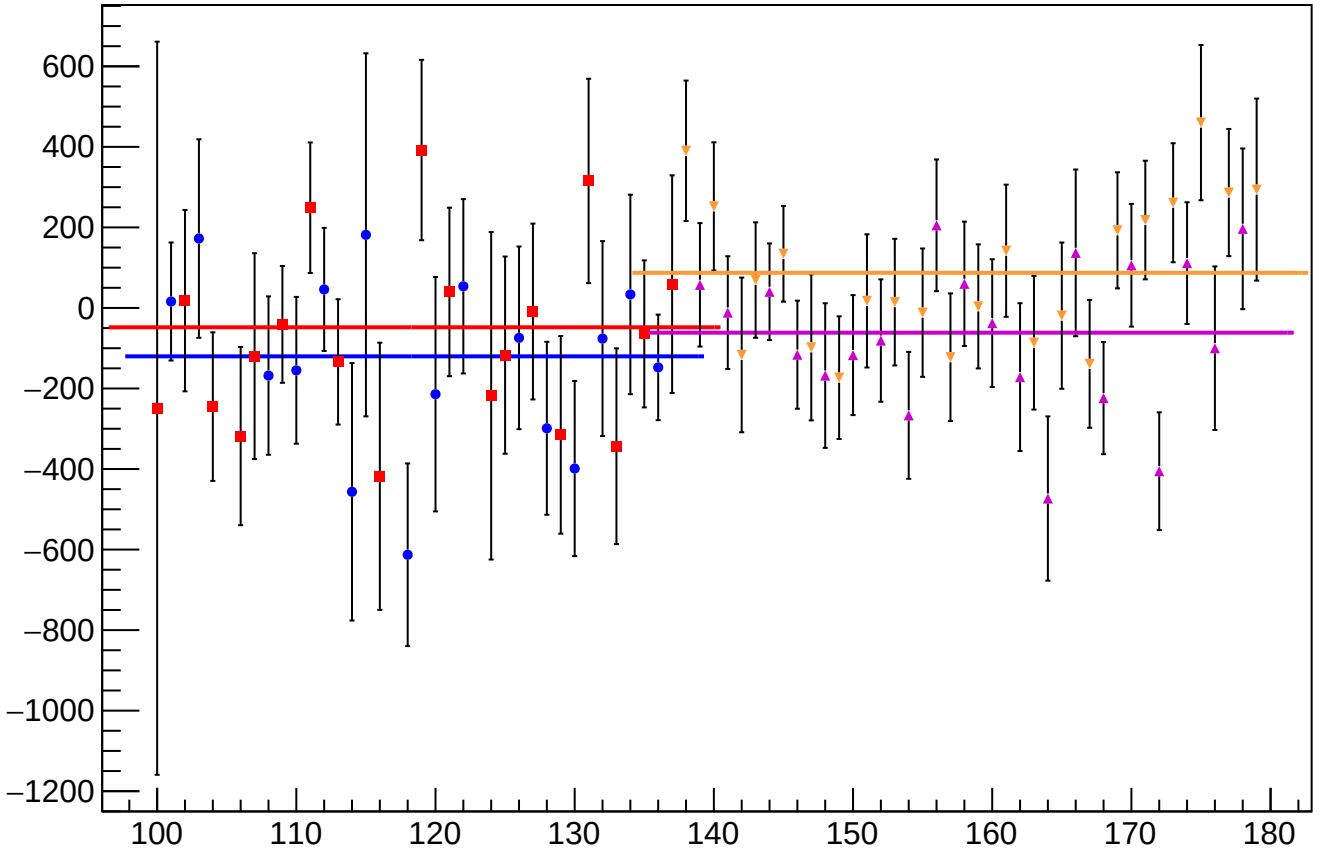
Left In: 1087.524+/-0.193 χ^2/NDF:719414.6/19

\+ sign 1136.516+/-0.166 χ^2/NDF: 2275535.2/37

All: 1127.813+/-0.118 χ^2/NDF: 4506707.5/76

\- sign 1119.040+/-0.167 χ^2/NDF: 2225661.9/38

eigen_cor_asym_sam_48_avg_mean vs Slug



Right In: -120.169+/-51.103 χ^2/NDF: 13.4/15

Left Out: 87.280+/-34.083 χ^2/NDF:24.6/21

Right Out: -48.013+/-49.919 χ^2/NDF: 17.0/18

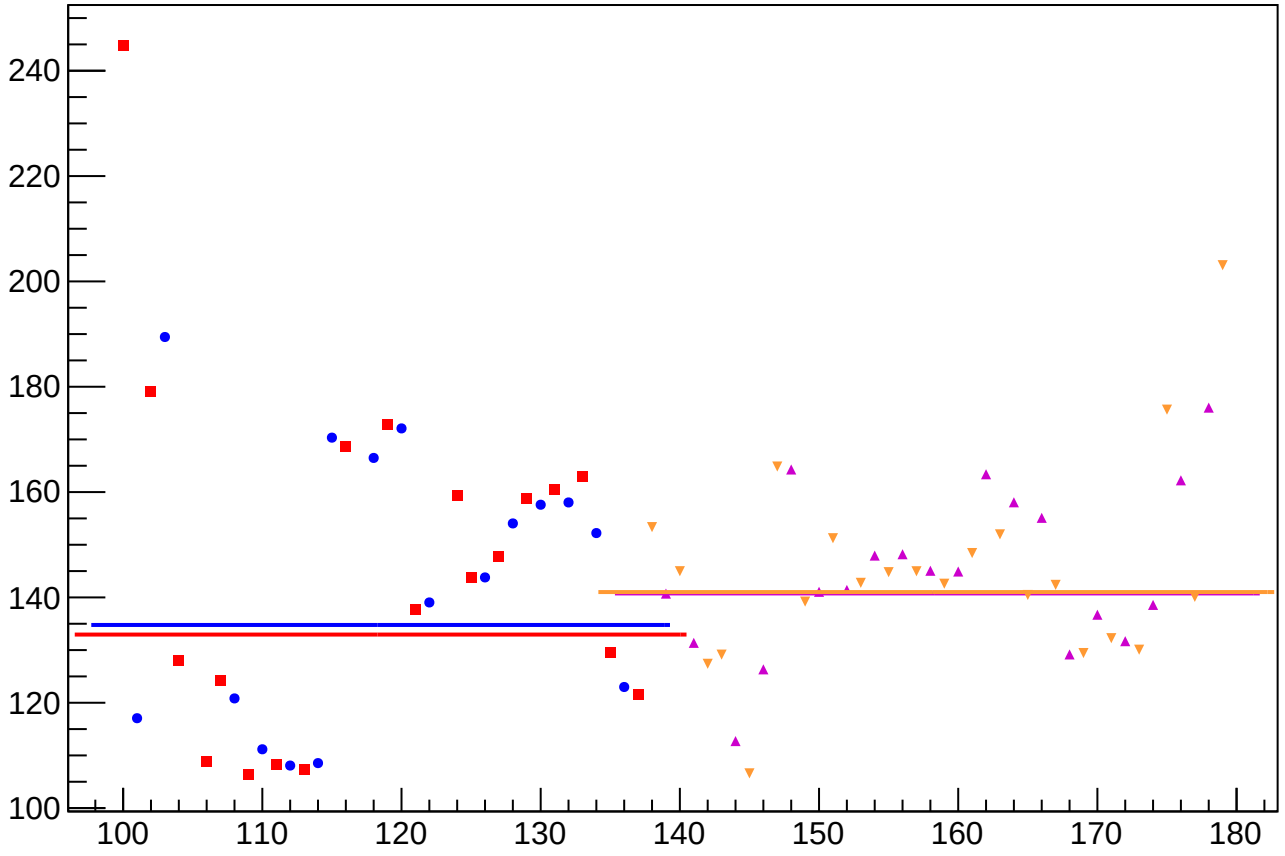
Left In: -61.416+/-35.161 χ^2/NDF:23.6/19

+ sign 23.411+/-28.355 χ^2/NDF: 49.5/37

All: -16.230+/-20.187 χ^2/NDF: 94.0/76

- sign -56.971+/-28.746 χ^2/NDF: 40.6/38

eigen_cor_asym_sam_48_avg_rms vs Slug



Right In: 134.771+/-0.036 χ^2/NDF: 416781.8/15

Left Out: 141.019+/-0.024 χ^2/NDF:507313.8/21

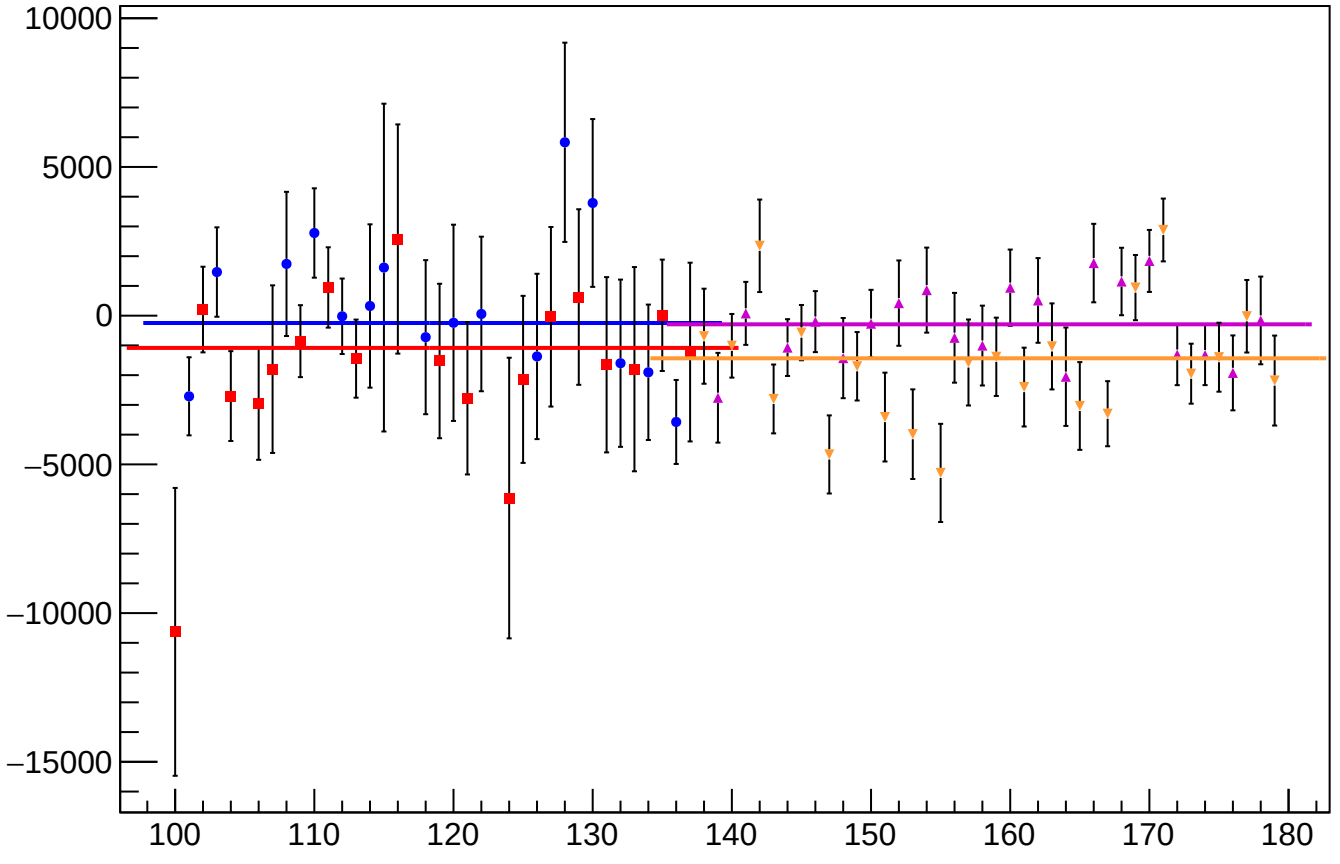
Right Out: 132.947+/-0.035 χ^2/NDF: 498850.6/18

Left In: 140.754+/-0.025 χ^2/NDF:349513.2/19

+ sign 139.095+/-0.020 χ^2/NDF: 944783.3/37

All: 138.637+/-0.014 χ^2/NDF: 1826907.6/76

- sign 138.165+/-0.020 χ^2/NDF: 881063.8/38



Right In: -246.428+/-501.418 χ^2/NDF: 21.6/15

Left Out: -1433.486+/-265.962 χ^2/NDF:52.7/21

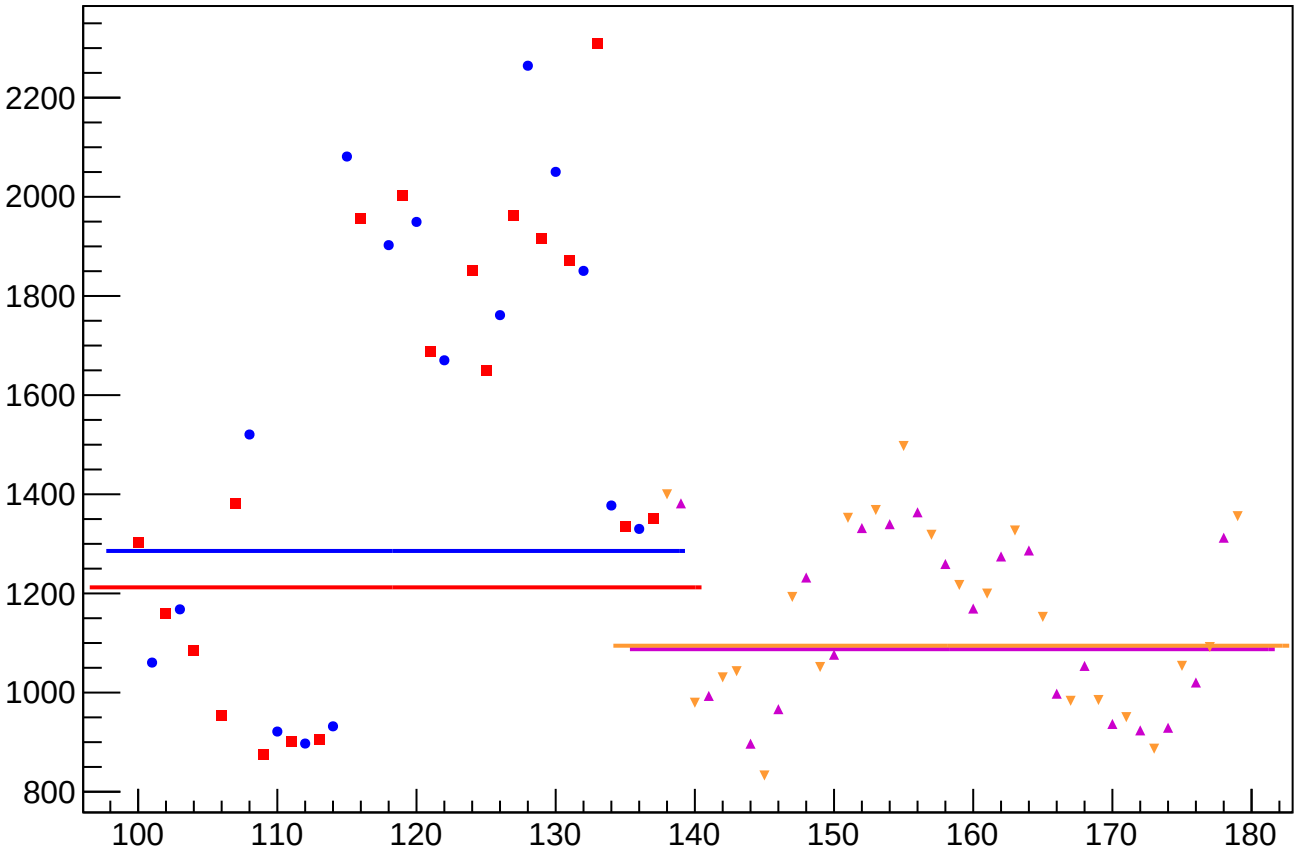
Right Out: -1084.094+/-469.323 χ^2/NDF: 12.8/18

Left In: -291.065+/-272.865 χ^2/NDF:19.8/19

\+ sign -1172.843+/-234.956 χ^2/NDF: 78.7/37

All: -833.481+/-166.469 χ^2/NDF: 117.5/76

\- sign -491.409+/-235.893 χ^2/NDF: 34.7/38



Right In: 1285.682+/-0.355 χ^2/NDF: 1170412.5/15

Left Out: 1094.549+/-0.188 χ^2/NDF:878328.5/21

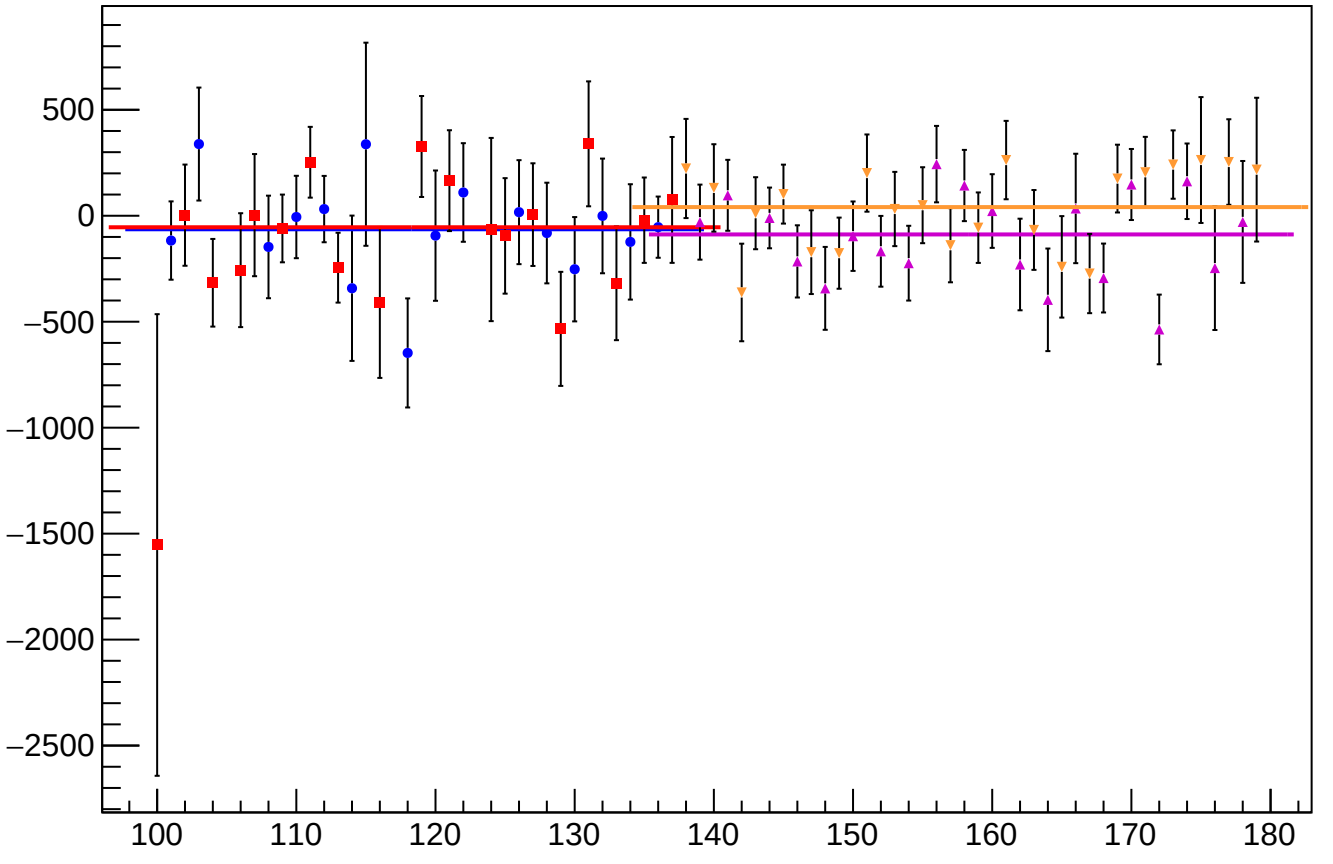
Right Out: 1212.276+/-0.332 χ^2/NDF: 1400635.5/18

Left In: 1087.524+/-0.193 χ^2/NDF:719414.6/19

+ sign 1136.516+/-0.166 χ^2/NDF: 2275535.2/37

All: 1127.813+/-0.118 χ^2/NDF: 4506707.5/76

- sign 1119.040+/-0.167 χ^2/NDF: 2225661.9/38



Right In: -63.781+/-56.734 χ^2/NDF: 10.8/15

Left Out: 40.827+/-39.774 χ^2/NDF:20.2/21

Right Out: -54.305+/-54.743 χ^2/NDF: 19.5/18

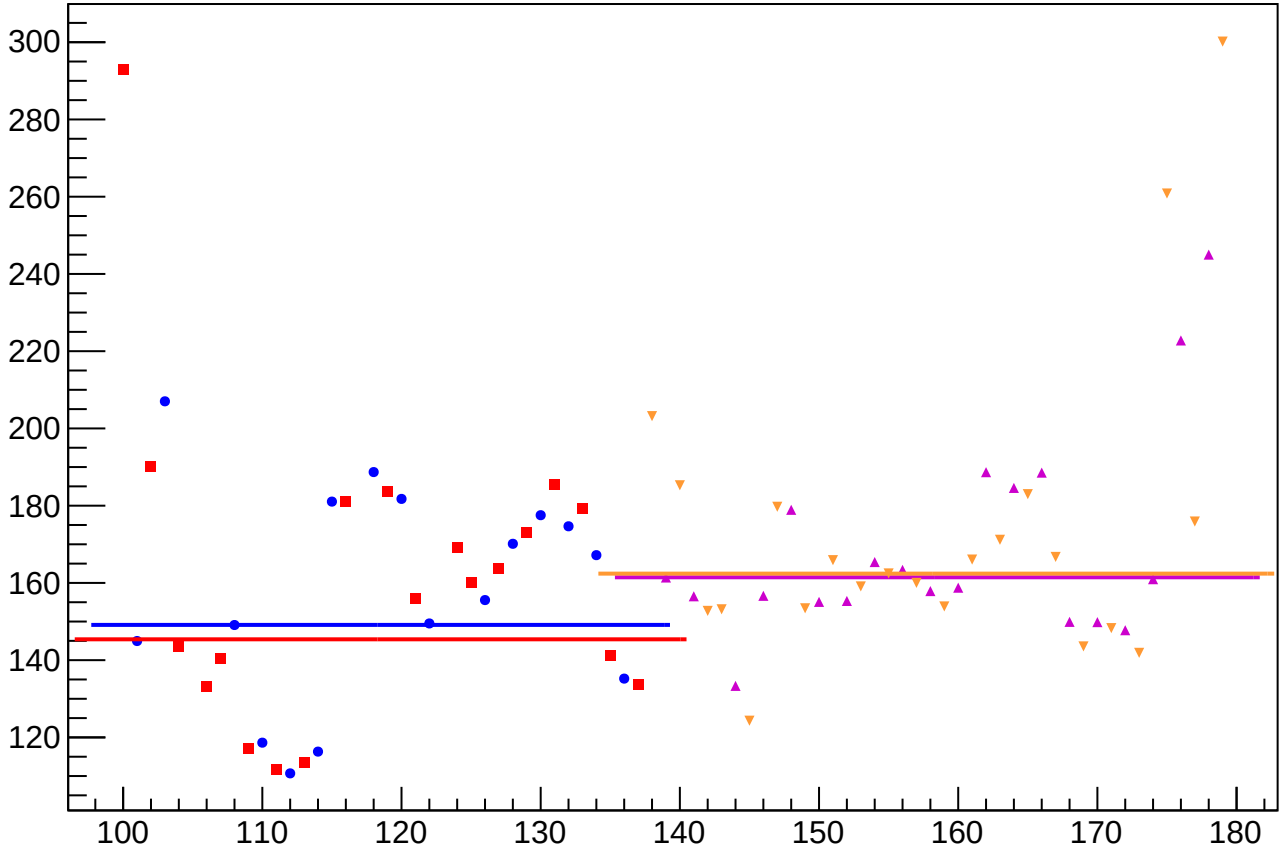
Left In: -88.138+/-40.802 χ^2/NDF:26.0/19

+ sign 6.355+/-32.568 χ^2/NDF: 33.3/37

All: -34.665+/-23.081 χ^2/NDF: 82.2/76

- sign -76.055+/-32.715 χ^2/NDF: 45.7/38

dit_asym_sam_48_avg_rms vs Slug



Right In: 149.130+/-0.040 χ^2/NDF: 451003.6/15

Left Out: 162.406+/-0.028 χ^2/NDF:926589.1/21

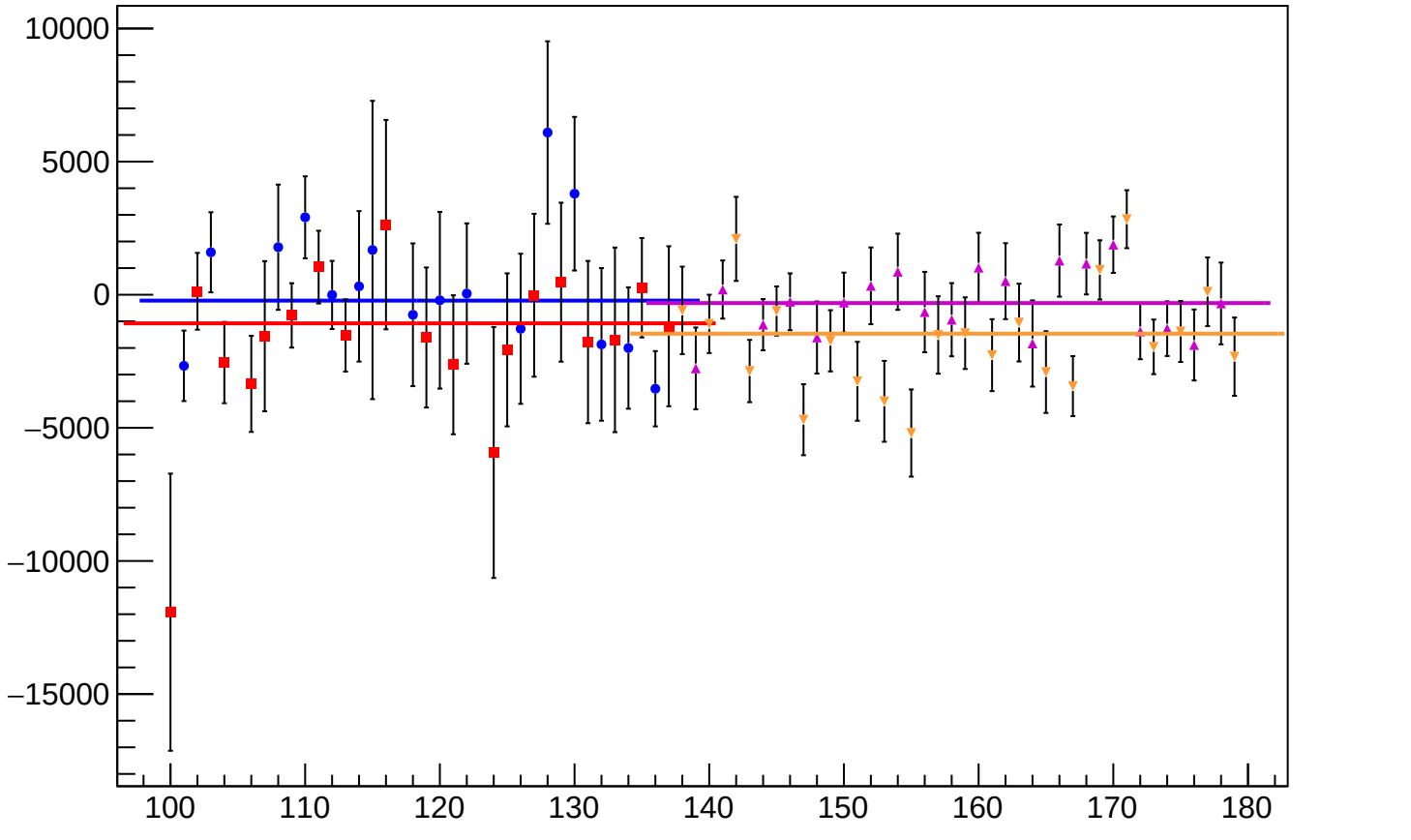
Right Out: 145.399+/-0.039 χ^2/NDF: 525820.0/18

Left In: 161.456+/-0.029 χ^2/NDF:467130.6/19

+ sign 158.031+/-0.023 χ^2/NDF: 1451019.8/37

All: 156.881+/-0.016 χ^2/NDF: 2559588.8/76

- sign 155.721+/-0.023 χ^2/NDF: 1103560.3/38



Right In: -221.240+/-506.202 χ^2/NDF: 21.9/15

Left Out: -1464.177+/-269.473 χ^2/NDF:49.8/21

Right Out: -1074.433+/-472.816 χ^2/NDF: 13.6/18

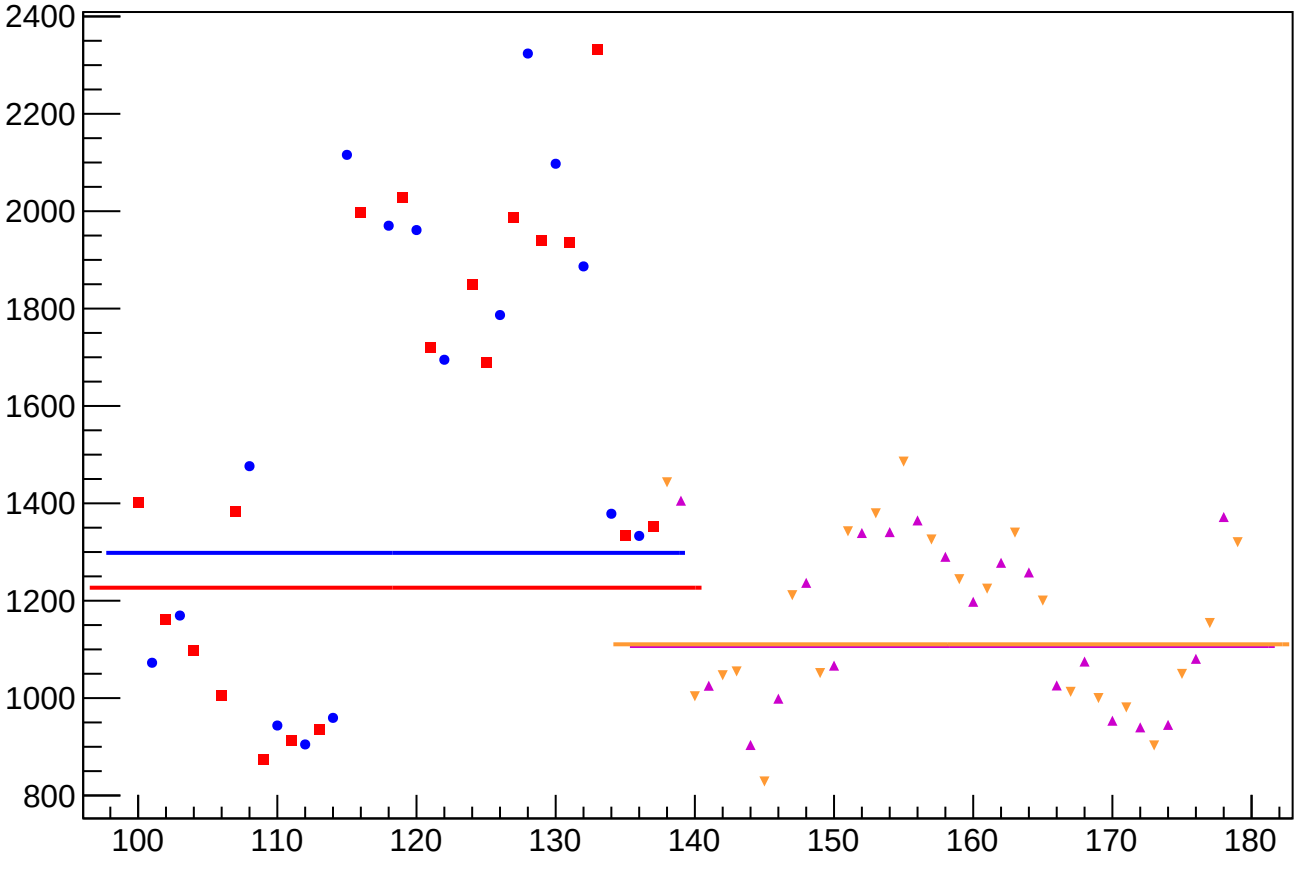
Left In: -313.122+/-277.564 χ^2/NDF:18.4/19

+ sign -1189.720+/-237.868 χ^2/NDF: 76.4/37

All: -851.121+/-168.725 χ^2/NDF: 114.4/76

- sign -508.242+/-239.366 χ^2/NDF: 33.9/38

asym_sam_48_avg_dit_correction_rms vs Slug



Right In: 1298.293+/-0.358 χ^2/NDF: 1182123.0/15

Left Out: 1110.486+/-0.191 χ^2/NDF:856508.7/21

Right Out: 1226.729+/-0.334 χ^2/NDF: 1404521.7/18

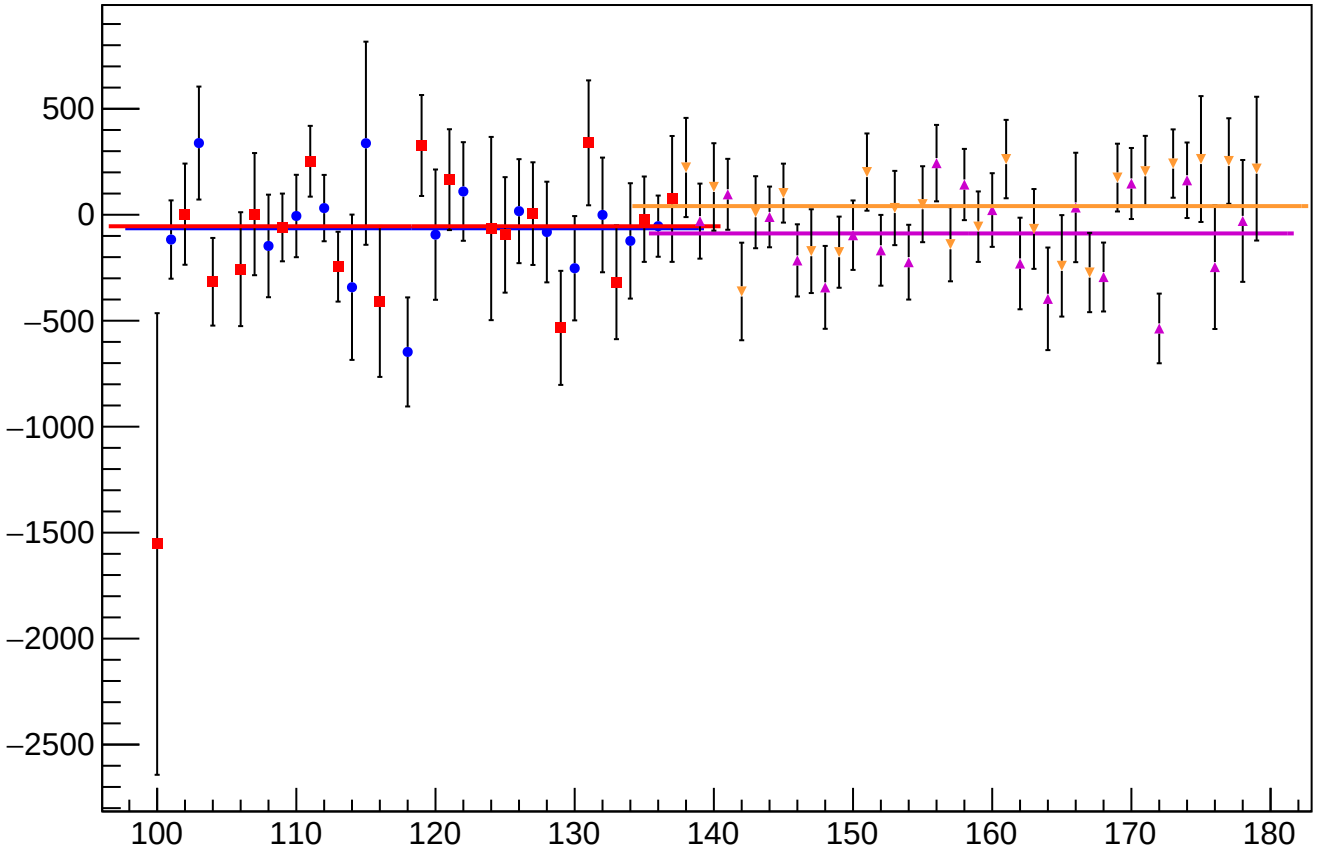
Left In: 1106.972+/-0.196 χ^2/NDF:684421.7/19

+ sign 1151.956+/-0.168 χ^2/NDF: 2253142.4/37

All: 1144.856+/-0.119 χ^2/NDF: 4441092.7/76

- sign 1137.665+/-0.169 χ^2/NDF: 2184363.5/38

eigen_dit_asym_sam_48_avg_mean vs Slug



Right In: -63.778+/-56.734 χ^2/NDF: 10.8/15

Left Out: 40.829+/-39.774 χ^2/NDF:20.2/21

Right Out: -54.304+/-54.743 χ^2/NDF: 19.5/18

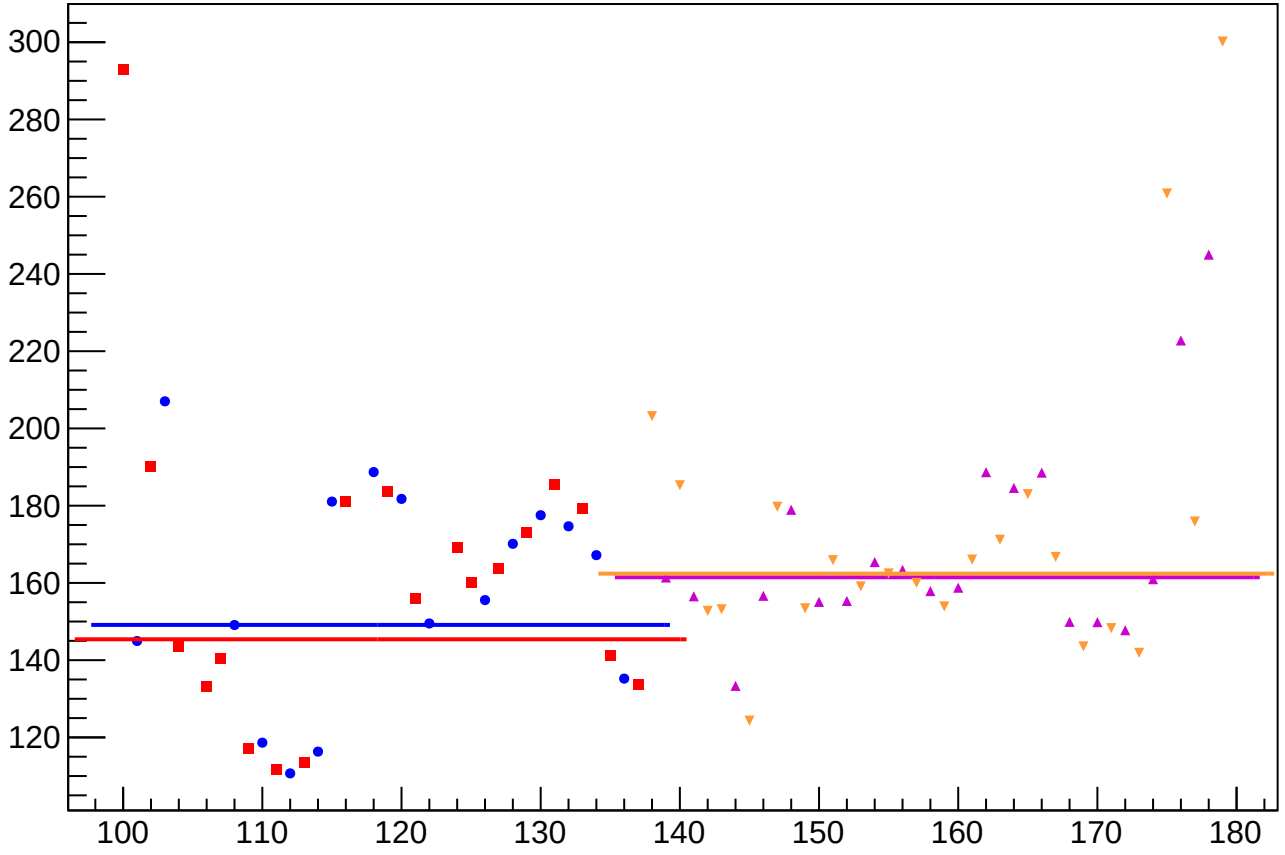
Left In: -88.137+/-40.802 χ^2/NDF:26.0/19

+ sign 6.357+/-32.568 χ^2/NDF: 33.3/37

All: -34.663+/-23.081 χ^2/NDF: 82.2/76

- sign -76.054+/-32.715 χ^2/NDF: 45.7/38

eigen_dit_asym_sam_48_avg_rms vs Slug



Right In: 149.130+/-0.040 χ^2/NDF: 451005.1/15

Left Out: 162.407+/-0.028 χ^2/NDF:926586.9/21

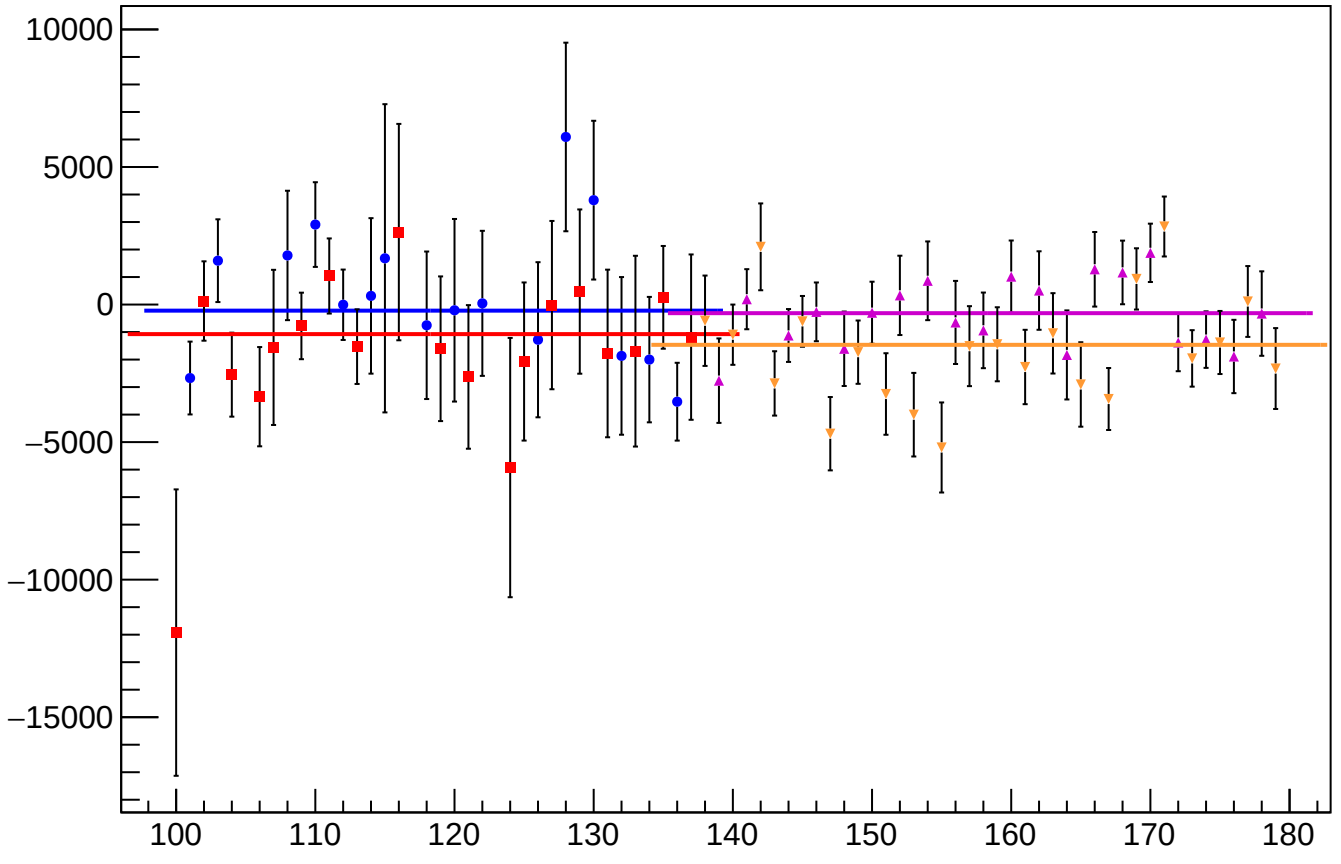
Right Out: 145.399+/-0.039 χ^2/NDF: 525822.2/18

Left In: 161.456+/-0.029 χ^2/NDF:467119.3/19

+ sign 158.032+/-0.023 χ^2/NDF: 1451022.0/37

All: 156.882+/-0.016 χ^2/NDF: 2559586.0/76

- sign 155.721+/-0.023 χ^2/NDF: 1103555.2/38



Right In: -221.239+/-506.201 χ^2/NDF: 21.9/15

Left Out: -1464.174+/-269.473 χ^2/NDF:49.8/21

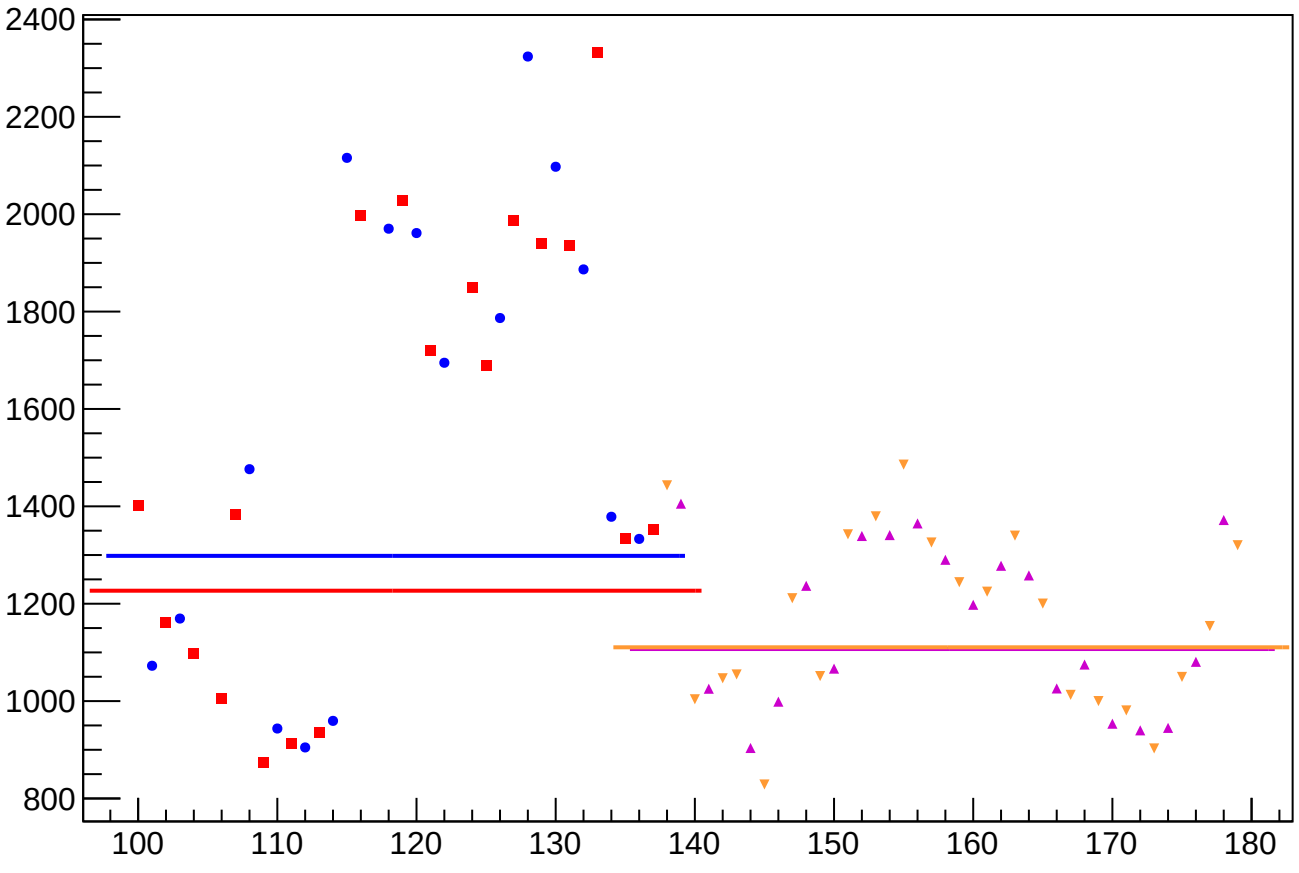
Right Out: -1074.432+/-472.816 χ^2/NDF: 13.6/18

Left In: -313.120+/-277.563 χ^2/NDF:18.4/19

+ sign -1189.718+/-237.868 χ^2/NDF: 76.4/37

All: -851.119+/-168.725 χ^2/NDF: 114.4/76

- sign -508.240+/-239.366 χ^2/NDF: 33.9/38



Right In: 1298.292+/-0.358 χ^2/NDF: 1182127.2/15

Left Out: 1110.484+/-0.191 χ^2/NDF:856510.6/21

Right Out: 1226.727+/-0.334 χ^2/NDF: 1404524.7/18

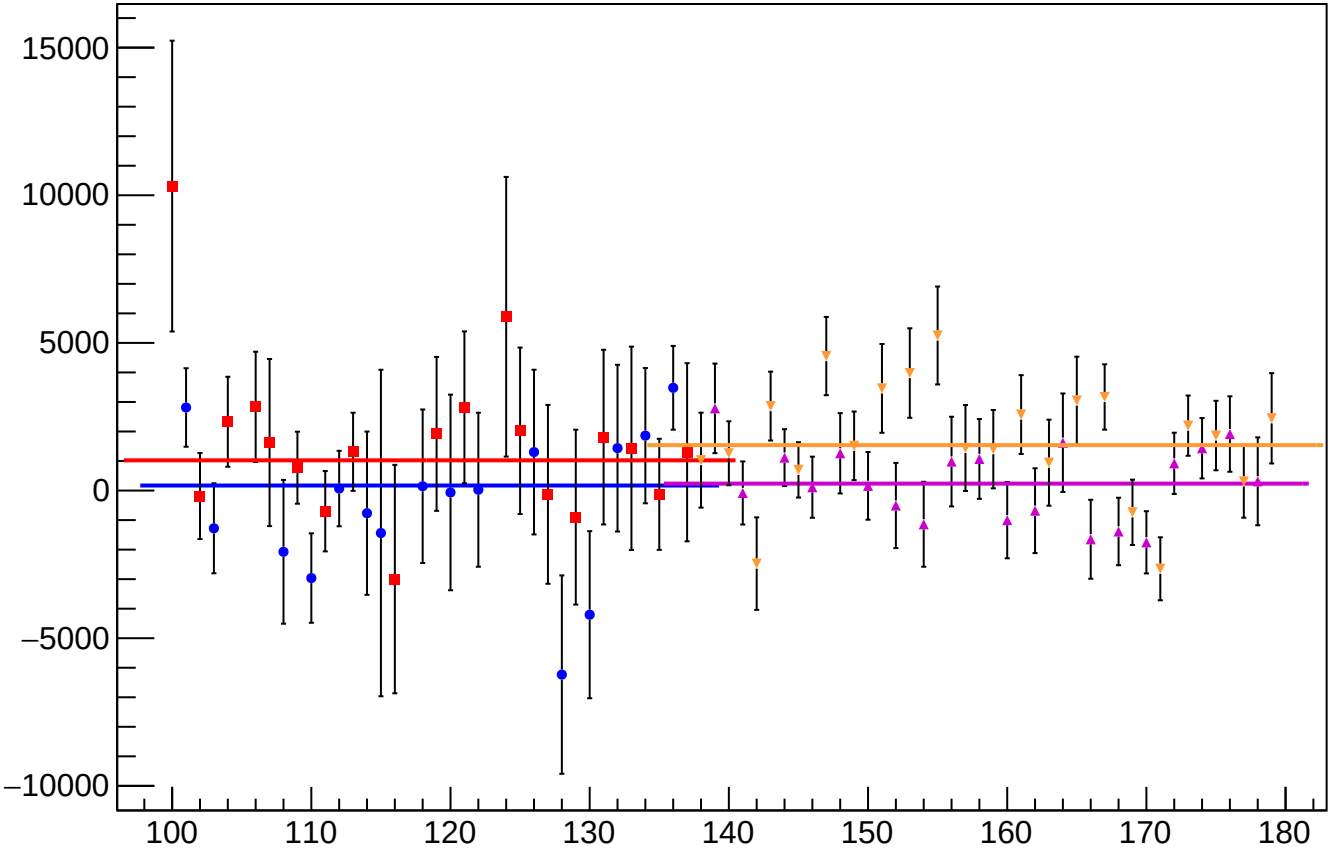
Left In: 1106.971+/-0.196 χ^2/NDF:684421.5/19

+ sign 1151.954+/-0.168 χ^2/NDF: 2253150.2/37

All: 1144.854+/-0.119 χ^2/NDF: 4441104.4/76

- sign 1137.664+/-0.169 χ^2/NDF: 2184367.4/38

asym_sam_48_avg_mean vs Slug



Right In: 171.056+/-505.136 χ^2/NDF: 22.6/15

Left Out: 1539.411+/-268.336 χ^2/NDF:48.7/21

Right Out: 1023.699+/-472.008 χ^2/NDF: 11.6/18

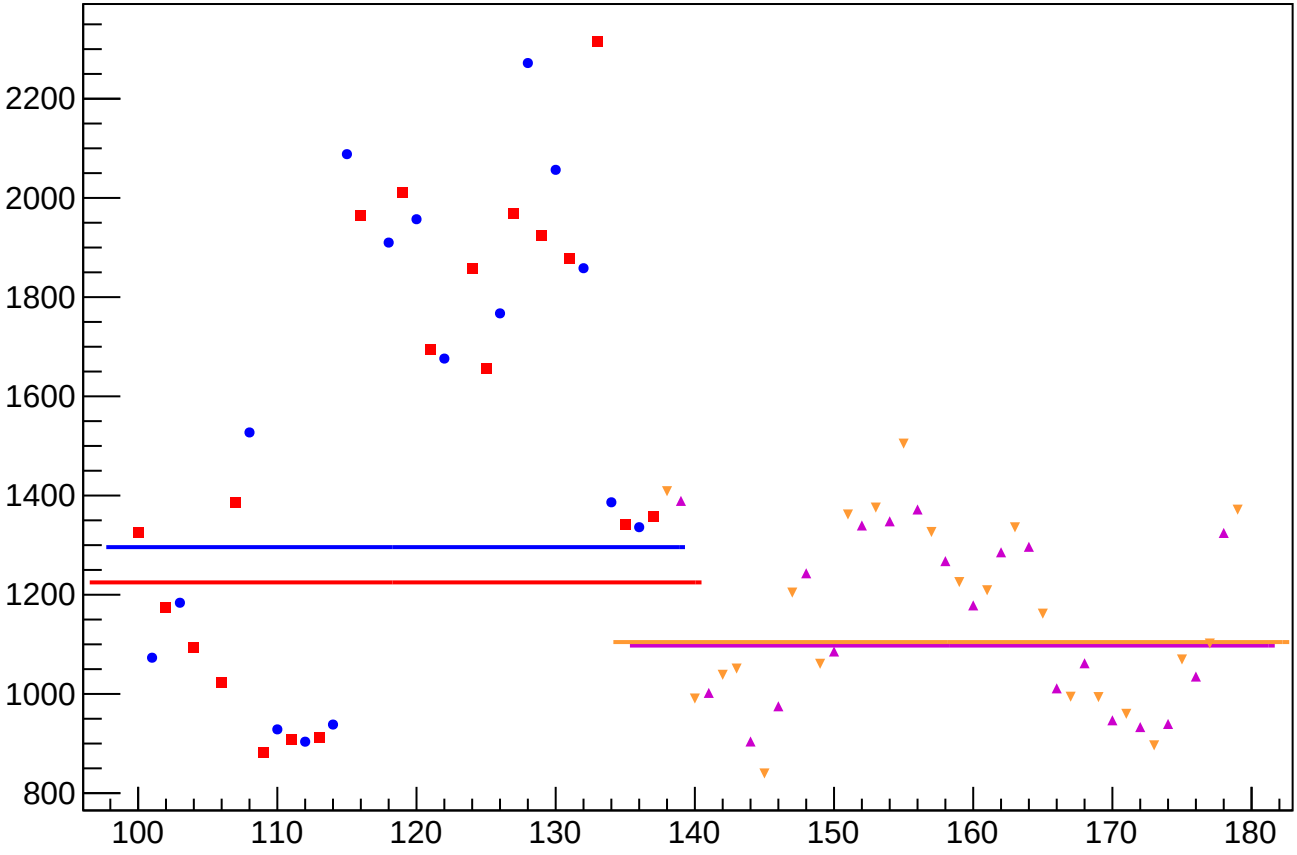
Left In: 235.309+/-275.314 χ^2/NDF:19.3/19

\+ sign 1238.257+/-236.975 χ^2/NDF: 77.0/37

All: 838.271+/-167.863 χ^2/NDF: 115.6/76

\- sign 435.444+/-237.816 χ^2/NDF: 32.9/38

asym_sam_48_avg_rms vs Slug



Right In: 1295.987+/-0.357 χ^2/NDF: 1154185.9/15

Left Out: 1104.578+/-0.190 χ^2/NDF:866245.2/21

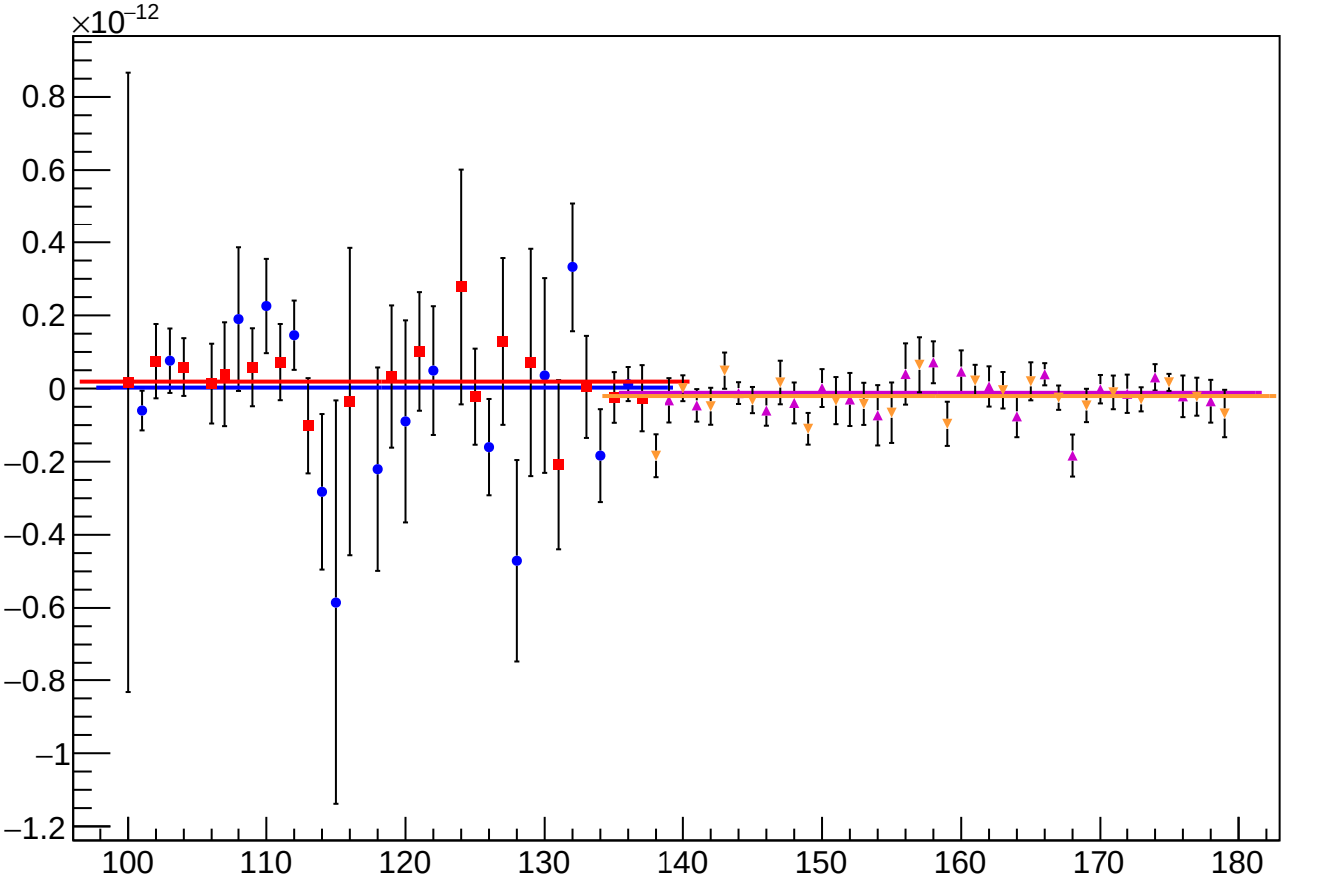
Right Out: 1224.872+/-0.334 χ^2/NDF: 1371285.2/18

Left In: 1097.524+/-0.195 χ^2/NDF:707098.4/19

+ sign 1146.705+/-0.168 χ^2/NDF: 2244397.7/37

All: 1138.308+/-0.119 χ^2/NDF: 4436447.3/76

- sign 1129.852+/-0.168 χ^2/NDF: 2187010.0/38



Right In: 0.000+/-0.000 χ^2/NDF: 22.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:23.7/21

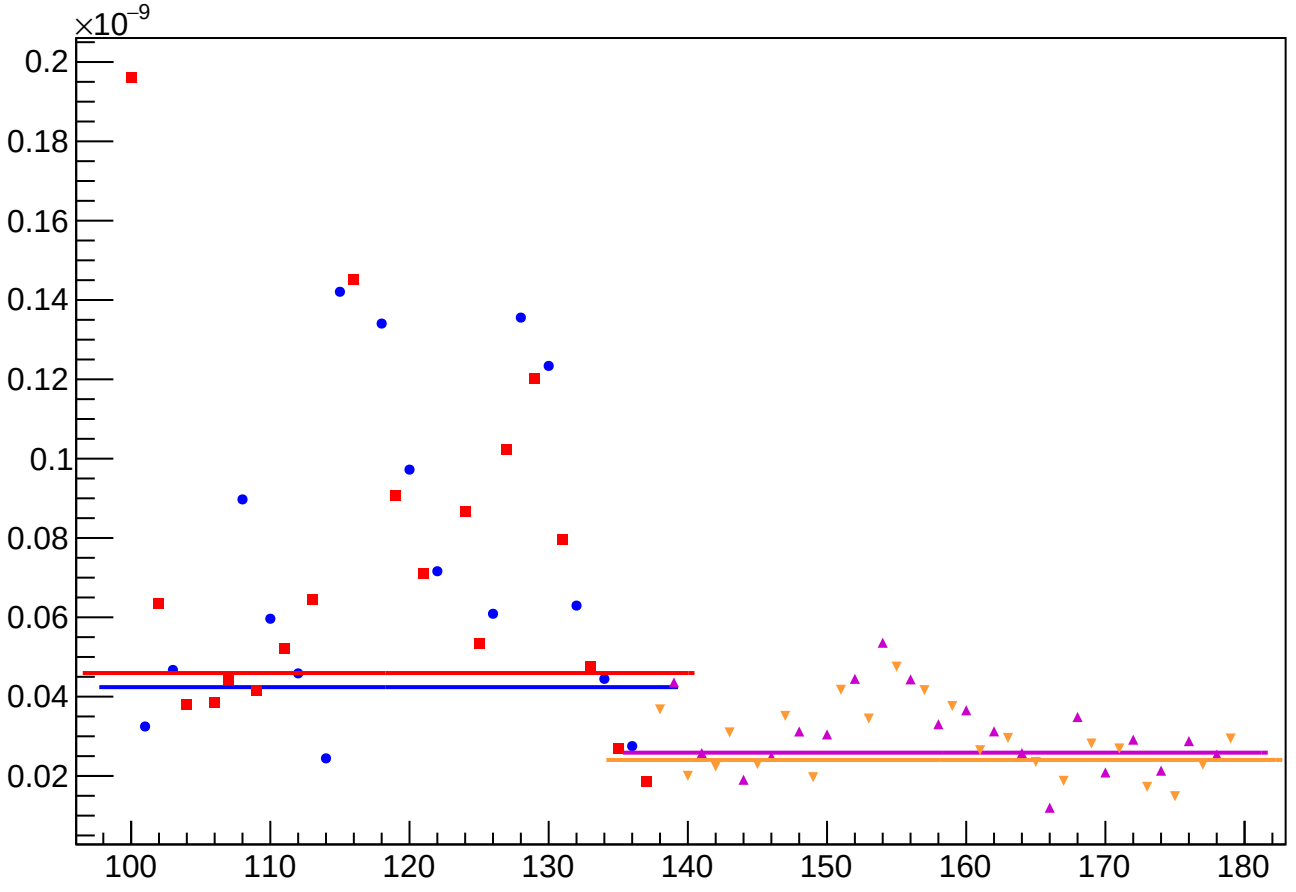
Right Out: 0.000+/-0.000 χ^2/NDF: 4.7/18

Left In: -0.000+/-0.000 χ^2/NDF:21.2/19

+ sign -0.000+/-0.000 χ^2/NDF: 46.5/37

All: -0.000+/-0.000 χ^2/NDF: 74.0/76

- sign -0.000+/-0.000 χ^2/NDF: 26.9/38



Right In: 0.000+/-0.000 χ^2/NDF: 1341259.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1355208.7/21

Right Out: 0.000+/-0.000 χ^2/NDF: 1118551.4/18

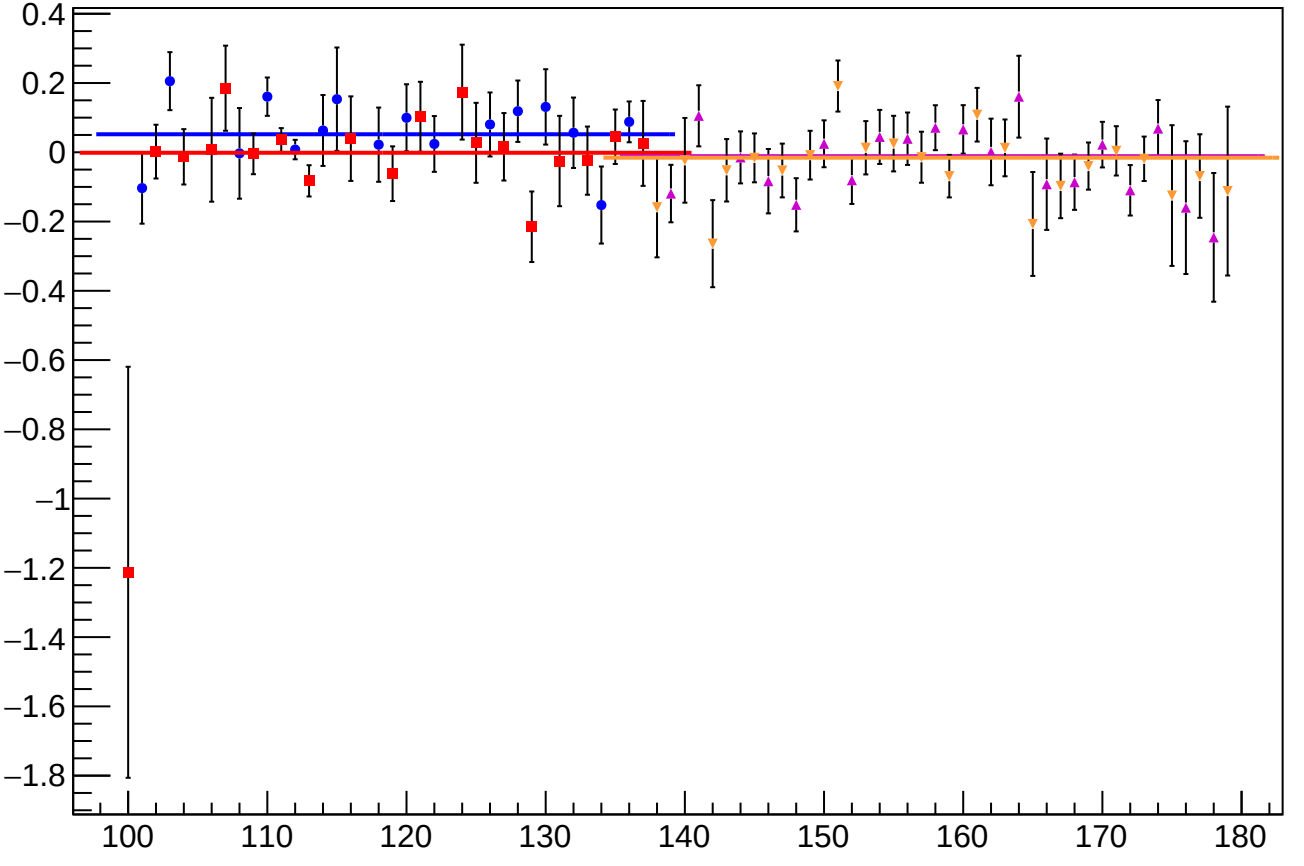
Left In: 0.000+/-0.000 χ^2/NDF:1430092.3/19

+ sign 0.000+/-0.000 χ^2/NDF: 3529190.7/37

All: 0.000+/-0.000 χ^2/NDF: 6982485.8/76

- sign 0.000+/-0.000 χ^2/NDF: 3397658.6/38

asym_sam_48_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.016+/-0.018 χ^2/NDF:20.2/21

Right Out: -0.001+/-0.018 χ^2/NDF: 19.2/18

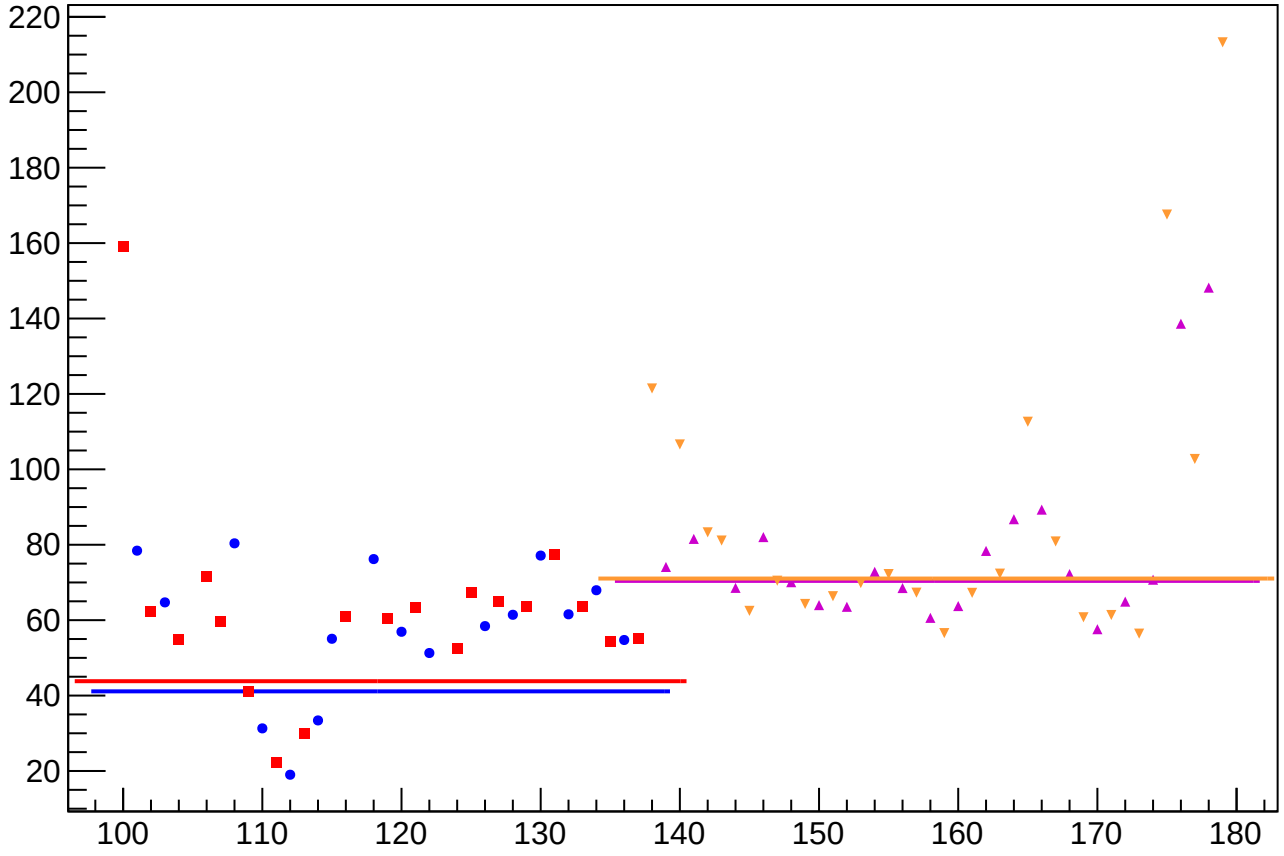
Left In: -0.011+/-0.018 χ^2/NDF:21.1/19

+ sign 0.019+/-0.013 χ^2/NDF: 45.3/37

All: 0.006+/-0.009 χ^2/NDF: 87.7/76

- sign -0.006+/-0.013 χ^2/NDF: 40.5/38

asym_sam_48_avg_dit_vs_cor_diff_rms vs Slug



Right In: 41.120+/-0.013 χ^2/NDF: 2925302.3/15

Left Out: 71.037+/-0.013 χ^2/NDF:2266621.3/21

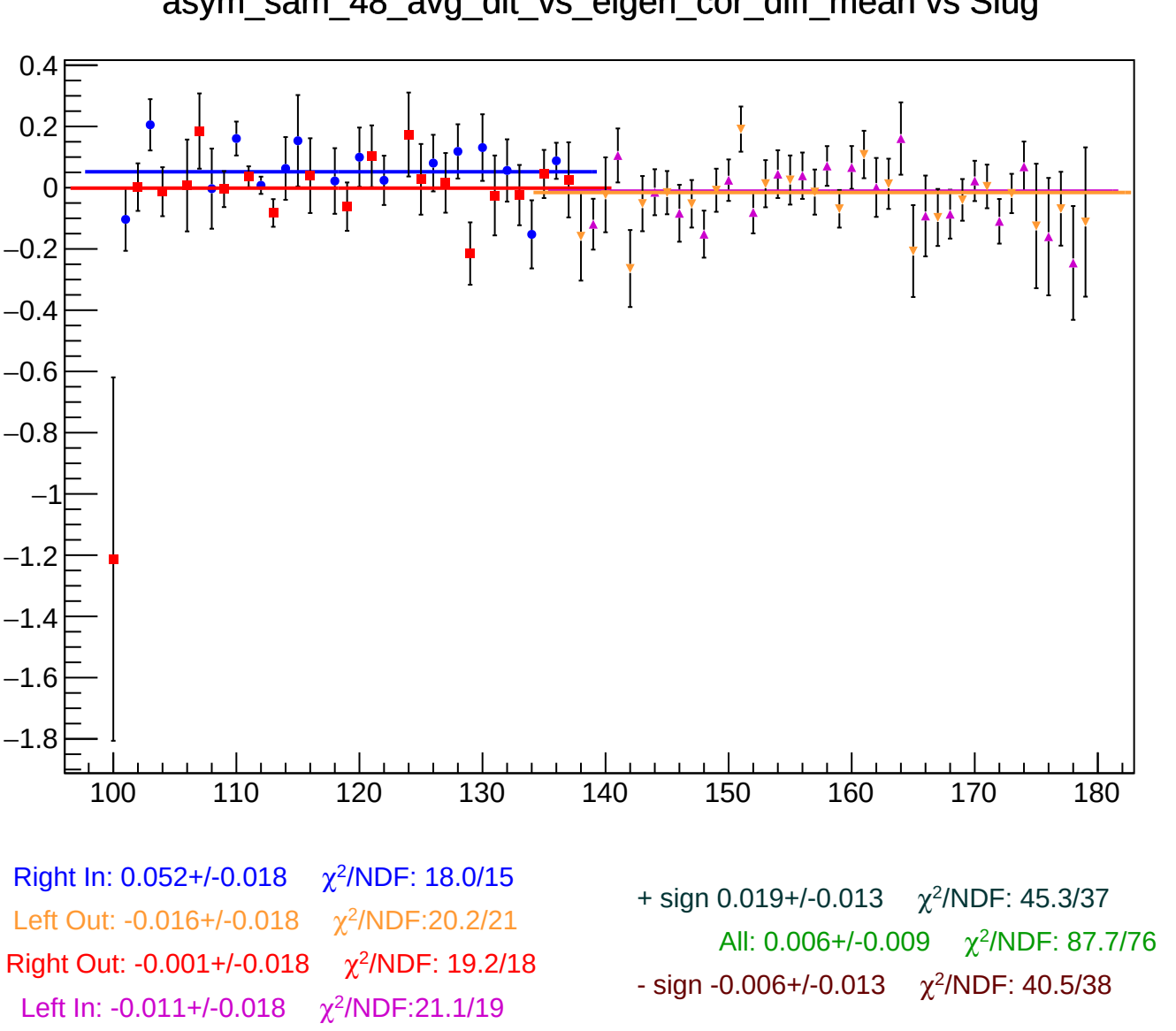
Right Out: 43.813+/-0.013 χ^2/NDF: 2048452.0/18

Left In: 70.416+/-0.013 χ^2/NDF:957989.8/19

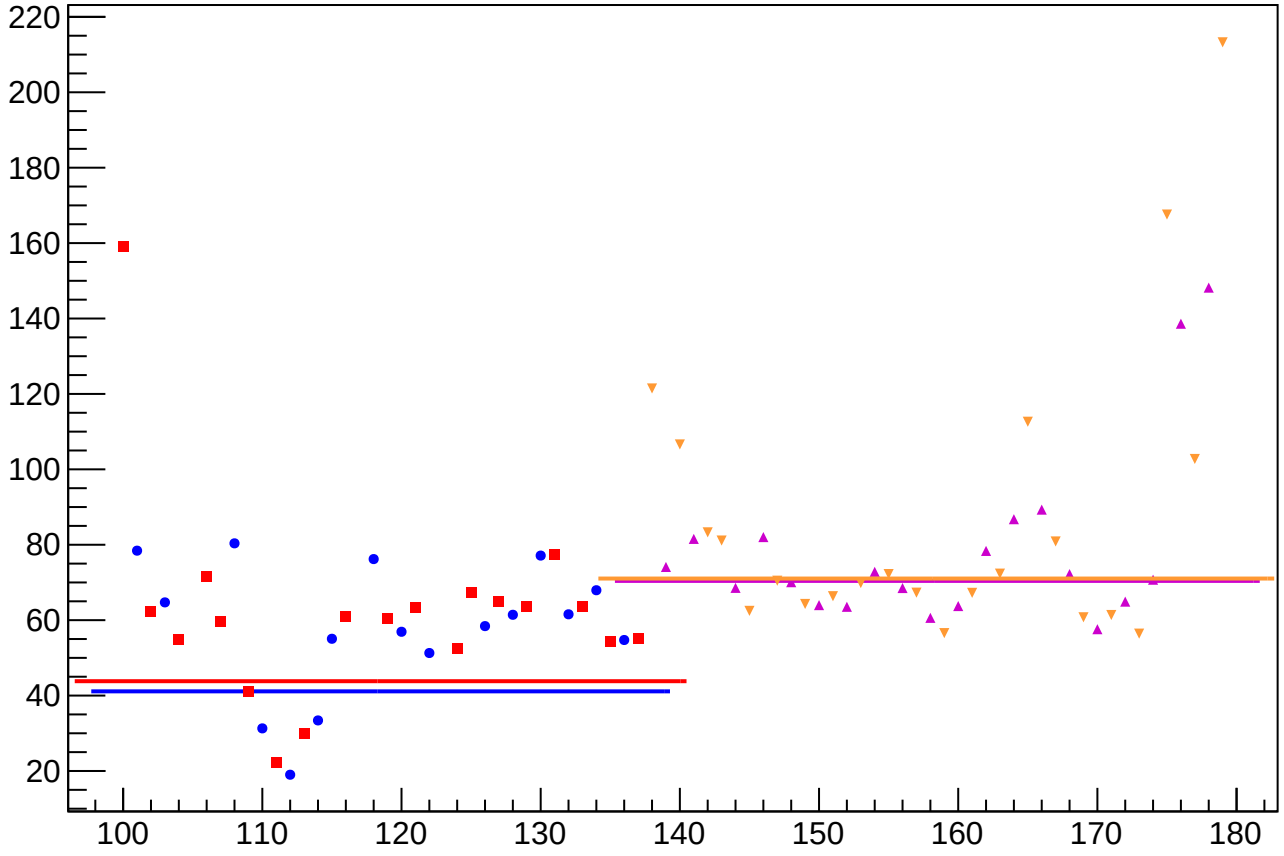
+ sign 55.842+/-0.009 χ^2/NDF: 7980865.1/37

All: 56.312+/-0.006 χ^2/NDF: 13141695.4/76

- sign 56.794+/-0.009 χ^2/NDF: 5155258.1/38


asym_sam_48_avg_dit_vs_eigen_cor_diff_mean vs Slug
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
−1.4
−1.6
−1.8
100
110
120
130
140
150
160
170
180
Right In: 0.052+/-0.018 χ²/NDF: 18.0/15
Left Out: -0.016+/-0.018 χ²/NDF:20.2/21
Right Out: -0.001+/-0.018 χ²/NDF: 19.2/18
Left In: -0.011+/-0.018 χ²/NDF:21.1/19
+ sign 0.019+/-0.013 χ²/NDF: 45.3/37
All: 0.006+/-0.009 χ²/NDF: 87.7/76
- sign -0.006+/-0.013 χ²/NDF: 40.5/38

asym_sam_48_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 41.120+/-0.013 χ^2/NDF: 2925302.3/15

Left Out: 71.037+/-0.013 χ^2/NDF:2266621.3/21

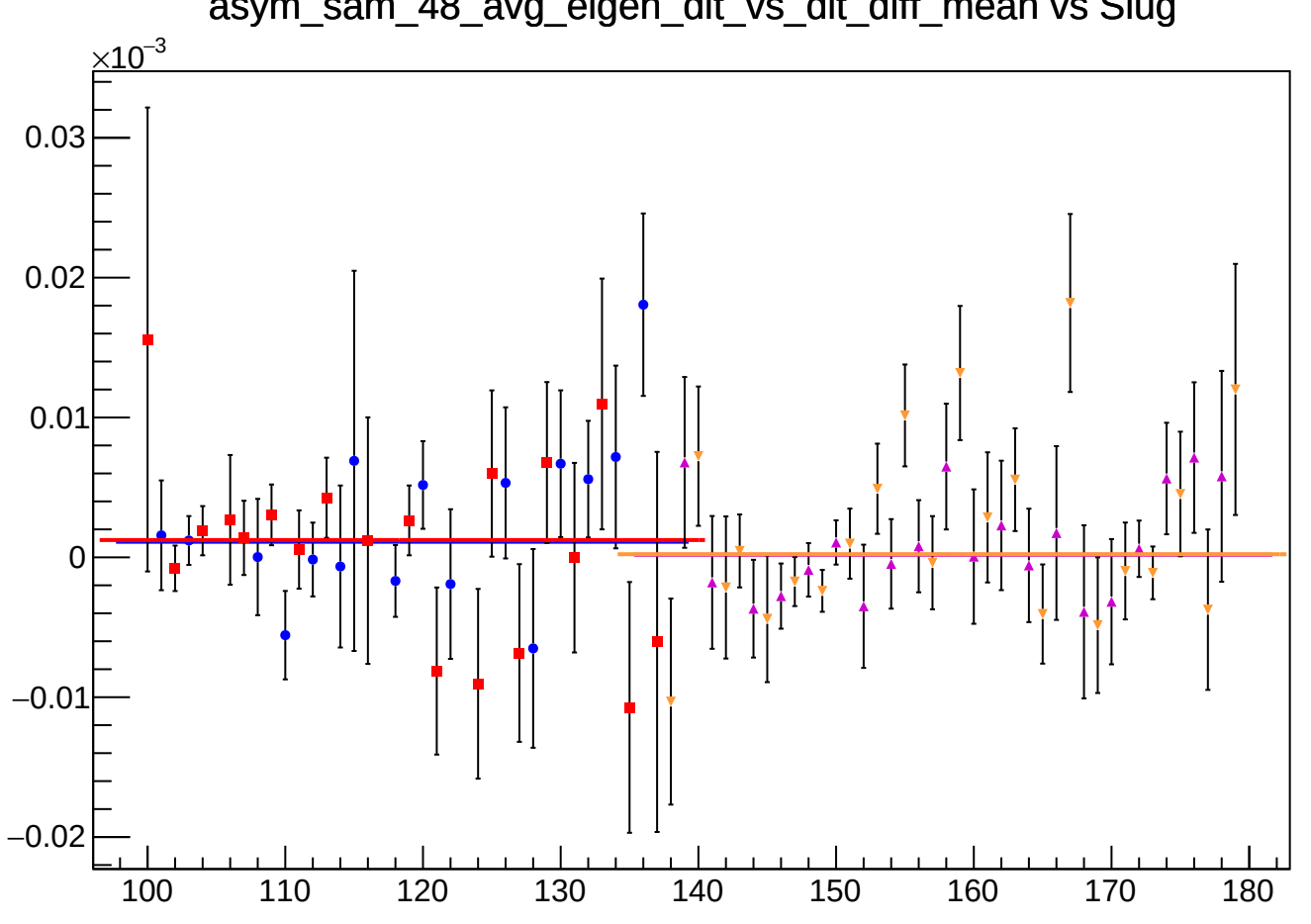
Right Out: 43.813+/-0.013 χ^2/NDF: 2048452.0/18

Left In: 70.416+/-0.013 χ^2/NDF:957989.8/19

\+ sign 55.842+/-0.009 χ^2/NDF: 7980865.1/37

All: 56.312+/-0.006 χ^2/NDF: 13141695.4/76

\- sign 56.794+/-0.009 χ^2/NDF: 5155258.1/38



Right In: 0.000+/-0.000 χ^2/NDF: 19.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:43.3/21

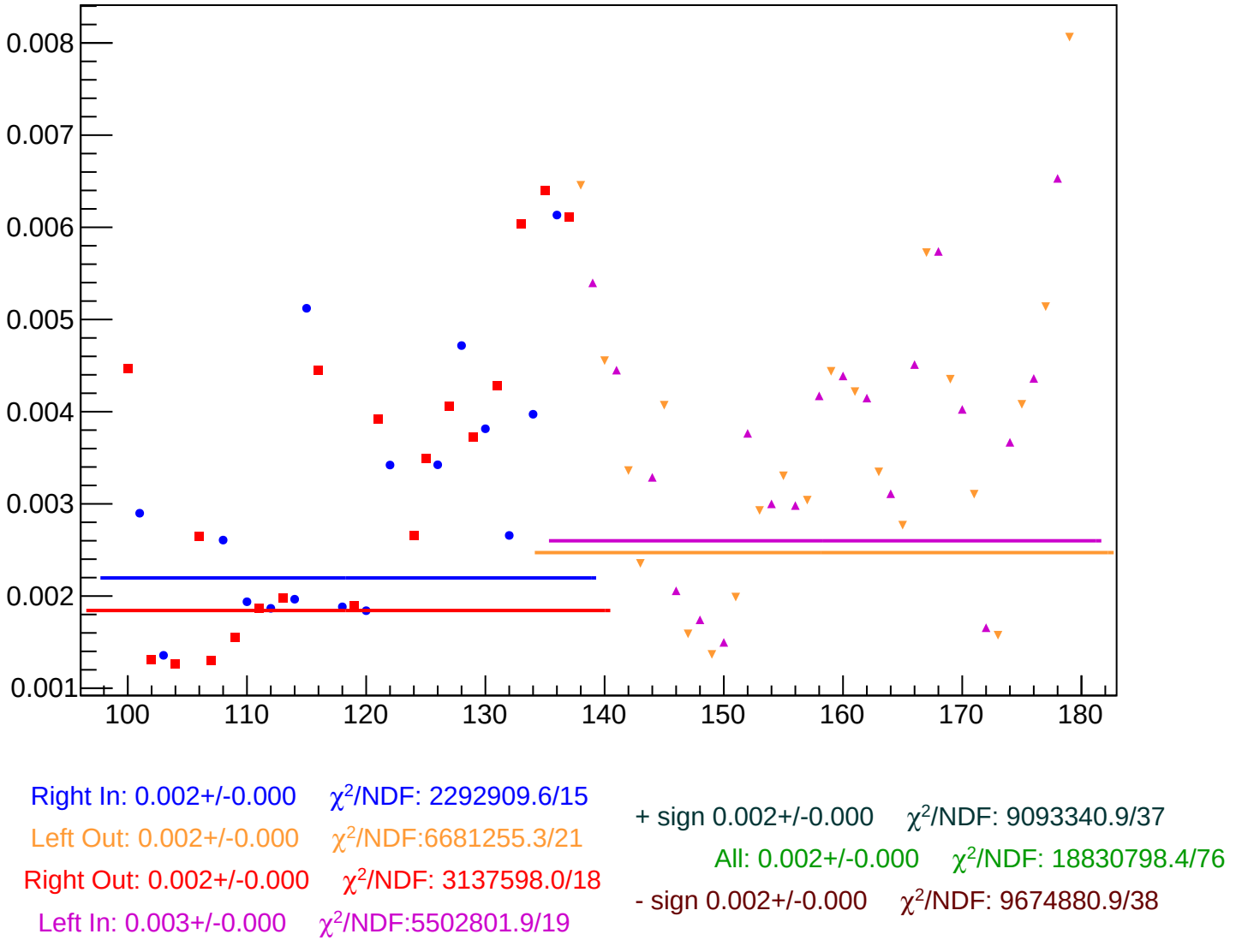
Right Out: 0.000+/-0.000 χ^2/NDF: 15.9/18

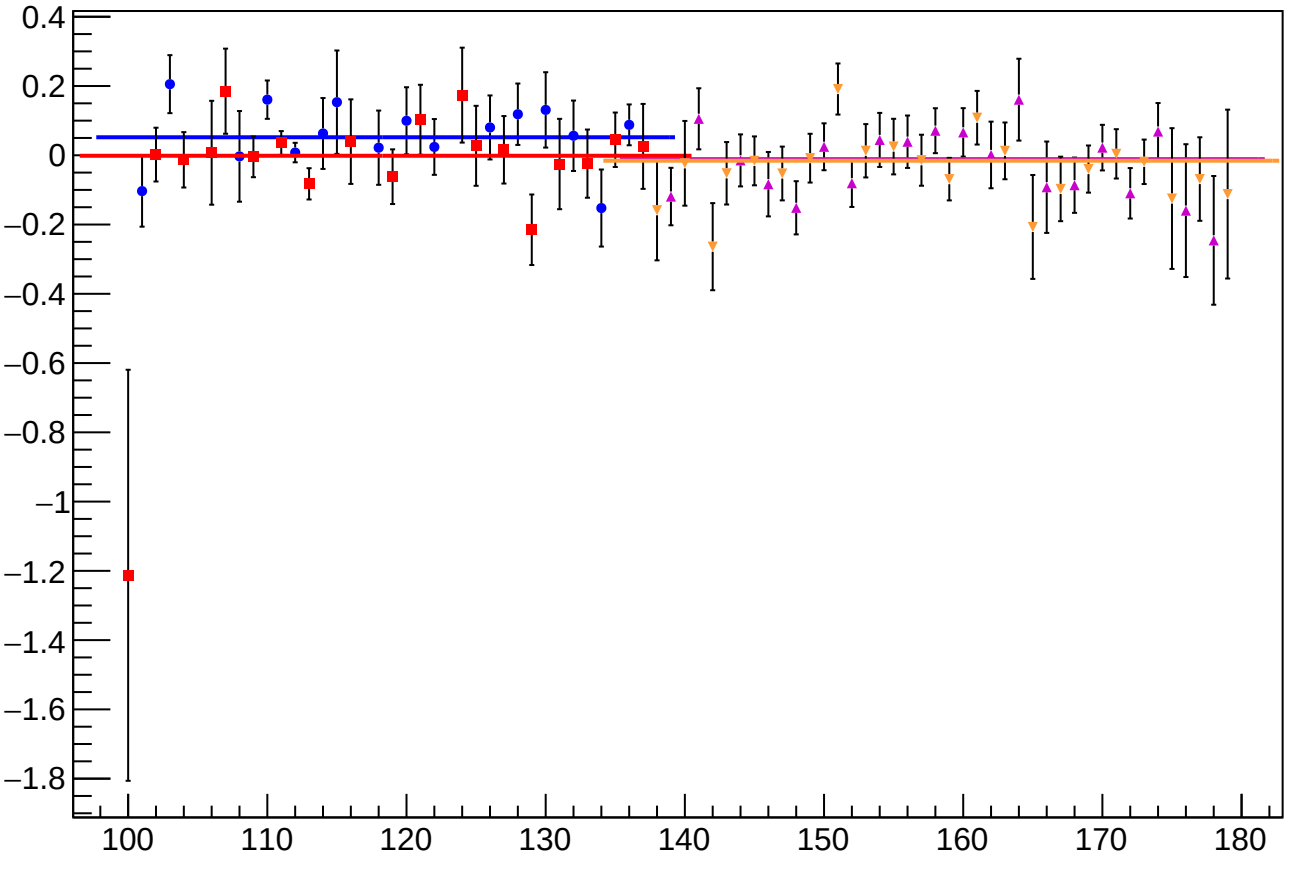
Left In: 0.000+/-0.000 χ^2/NDF:13.0/19

+ sign 0.000+/-0.000 χ^2/NDF: 63.8/37

All: 0.000+/-0.000 χ^2/NDF: 93.7/76

- sign 0.000+/-0.000 χ^2/NDF: 29.9/38


asym_sam_48_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001
100
110
120
130
140
150
160
170
180
Right In: 0.002+/-0.000 χ²/NDF: 2292909.6/15
Left Out: 0.002+/-0.000 χ²/NDF:6681255.3/21
Right Out: 0.002+/-0.000 χ²/NDF: 3137598.0/18
Left In: 0.003+/-0.000 χ²/NDF:5502801.9/19
+ sign 0.002+/-0.000 χ²/NDF: 9093340.9/37
All: 0.002+/-0.000 χ²/NDF: 18830798.4/76
- sign 0.002+/-0.000 χ²/NDF: 9674880.9/38



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.016+/-0.018 χ^2/NDF:20.2/21

Right Out: -0.001+/-0.018 χ^2/NDF: 19.2/18

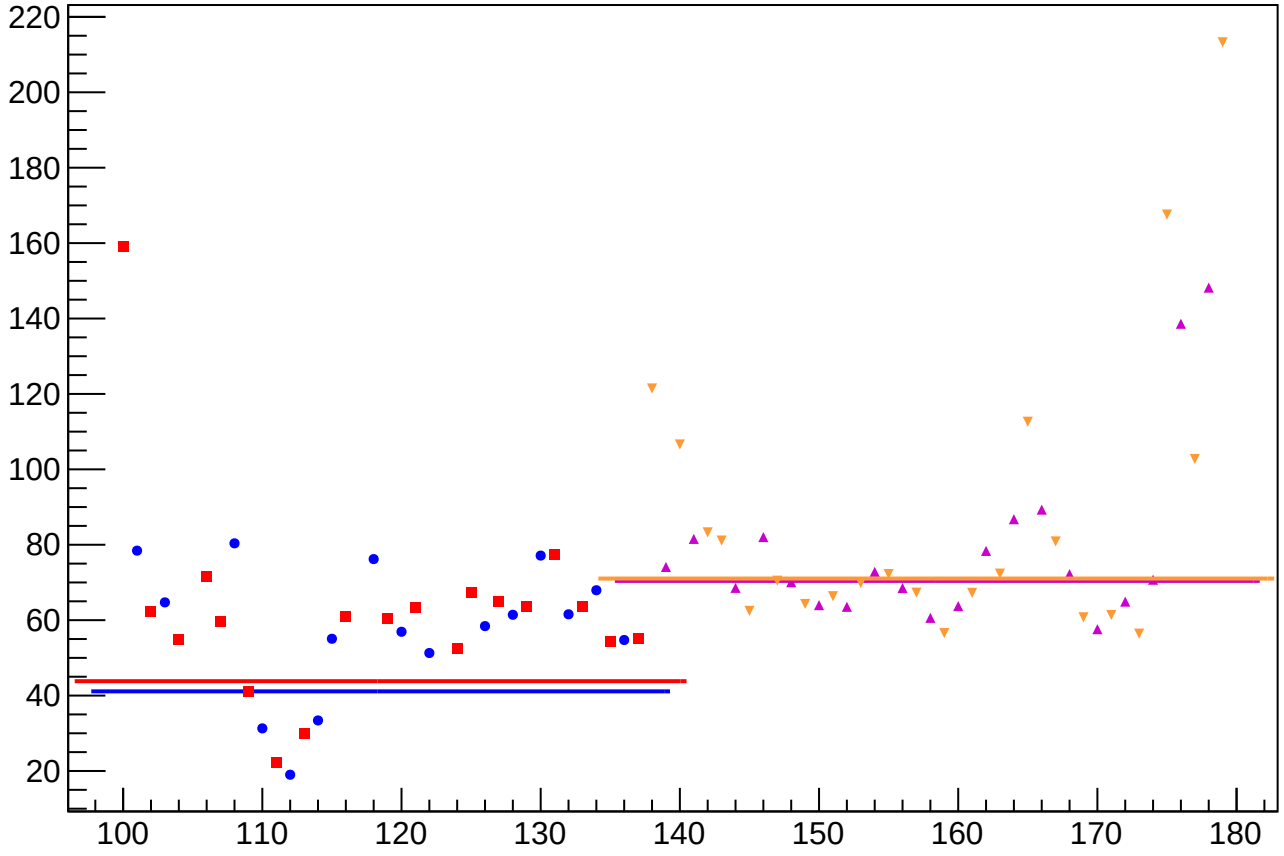
Left In: -0.011+/-0.018 χ^2/NDF:21.1/19

+ sign 0.019+/-0.013 χ^2/NDF: 45.3/37

All: 0.006+/-0.009 χ^2/NDF: 87.7/76

- sign -0.006+/-0.013 χ^2/NDF: 40.5/38

asym_sam_48_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 41.119+/-0.013 χ^2/NDF: 2925464.8/15

Left Out: 71.038+/-0.013 χ^2/NDF:2266578.8/21

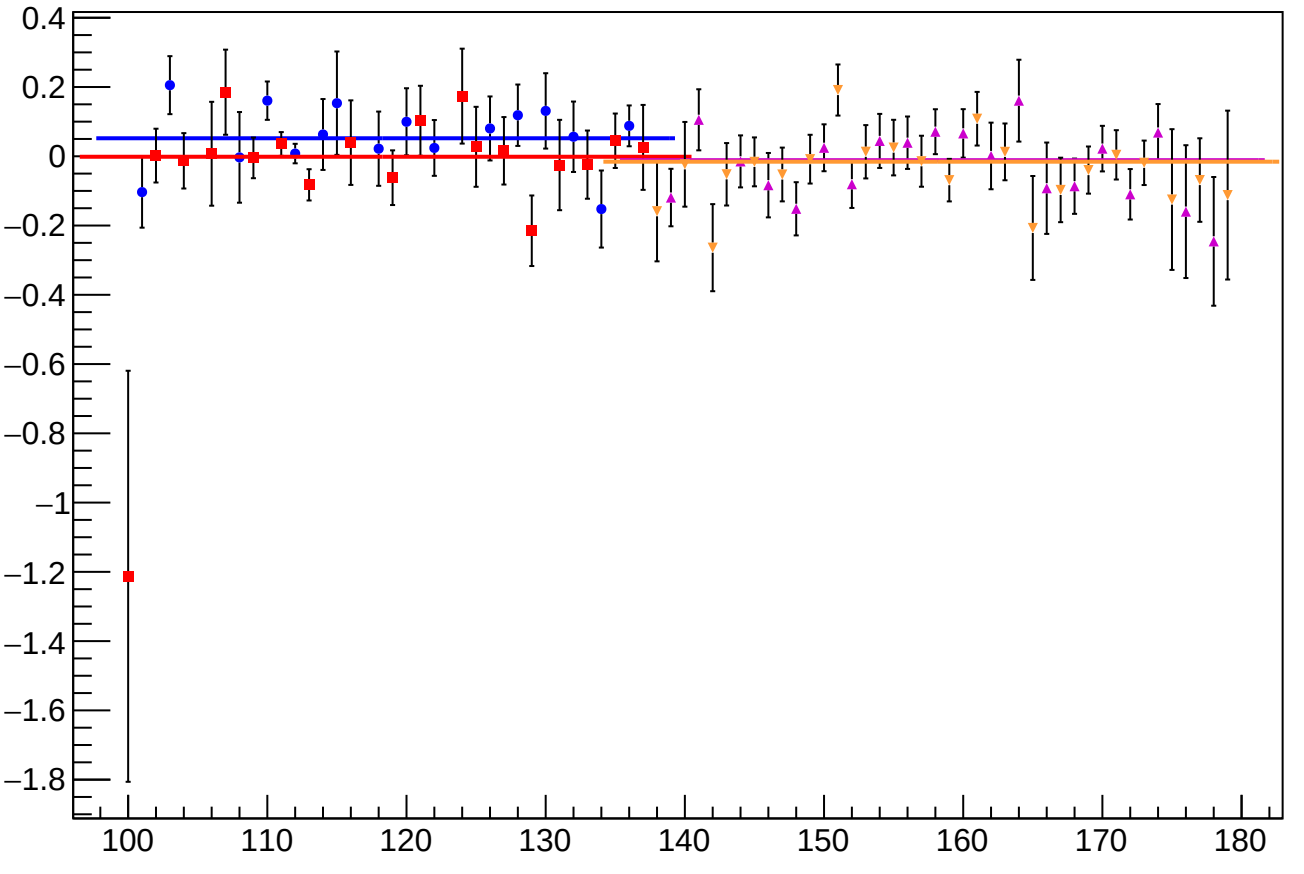
Right Out: 43.813+/-0.013 χ^2/NDF: 2048627.9/18

Left In: 70.417+/-0.013 χ^2/NDF:957943.0/19

+ sign 55.842+/-0.009 χ^2/NDF: 7981286.9/37

All: 56.311+/-0.006 χ^2/NDF: 13142496.4/76

- sign 56.793+/-0.009 χ^2/NDF: 5155636.5/38



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.016+/-0.018 χ^2/NDF:20.2/21

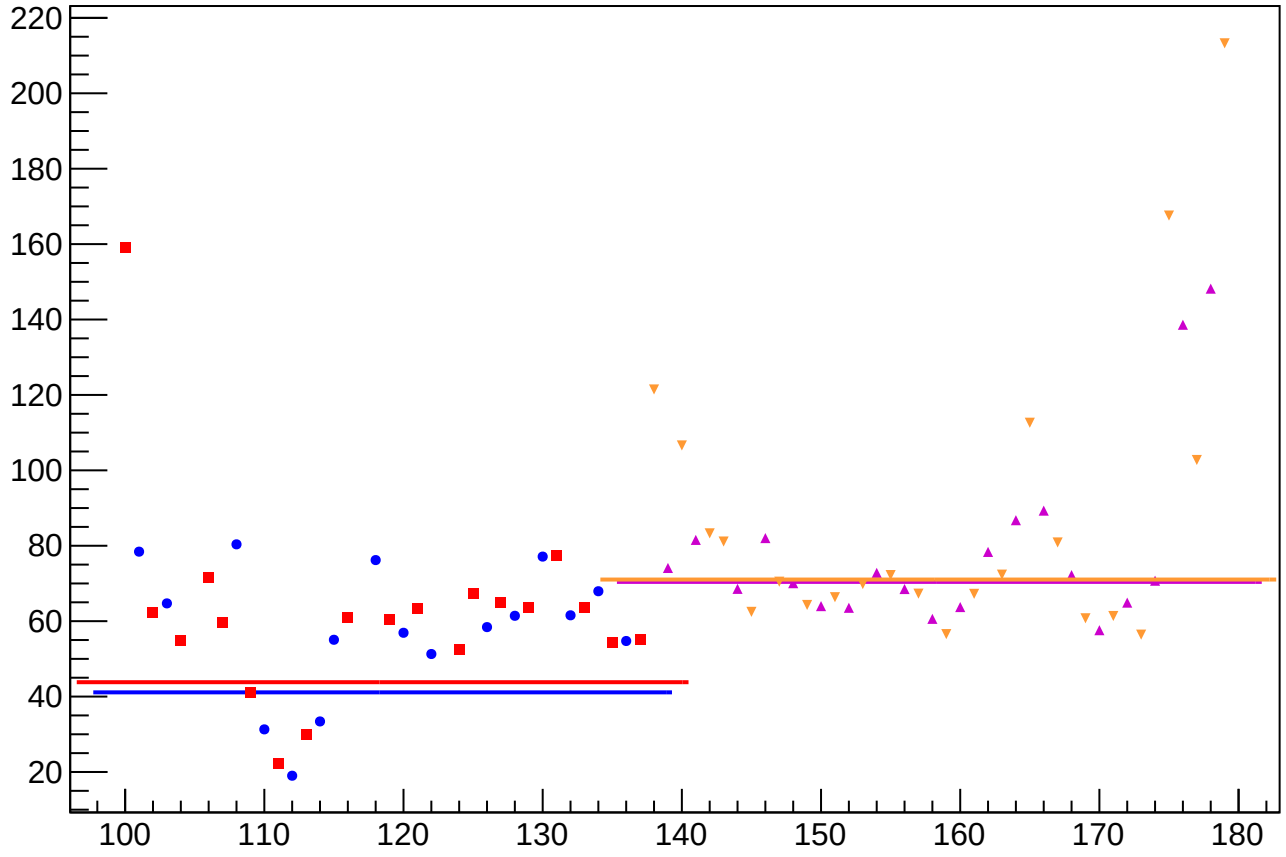
Right Out: -0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: -0.011+/-0.018 χ^2/NDF:21.1/19

+ sign 0.019+/-0.013 χ^2/NDF: 45.3/37

All: 0.006+/-0.009 χ^2/NDF: 87.7/76

- sign -0.006+/-0.013 χ^2/NDF: 40.5/38



Right In: 41.119+/-0.013 χ^2/NDF: 2925464.8/15

Left Out: 71.038+/-0.013 χ^2/NDF:2266578.8/21

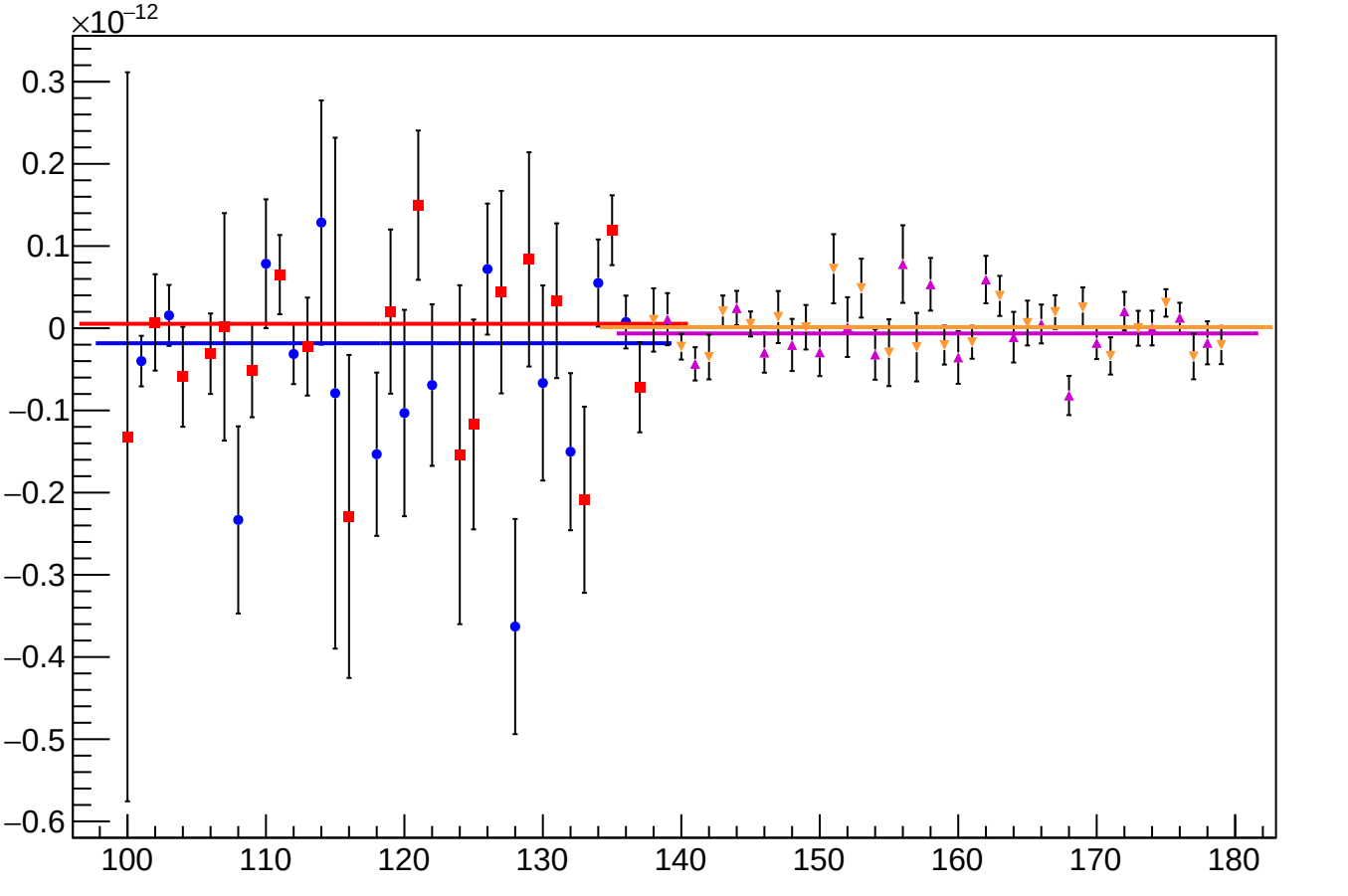
Right Out: 43.813+/-0.013 χ^2/NDF: 2048627.9/18

Left In: 70.417+/-0.013 χ^2/NDF:957943.0/19

\+ sign 55.842+/-0.009 χ^2/NDF: 7981286.9/37

All: 56.311+/-0.006 χ^2/NDF: 13142496.4/76

\- sign 56.793+/-0.009 χ^2/NDF: 5155636.5/38



Right In: -0.000+/-0.000 χ^2/NDF: 23.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:24.8/21

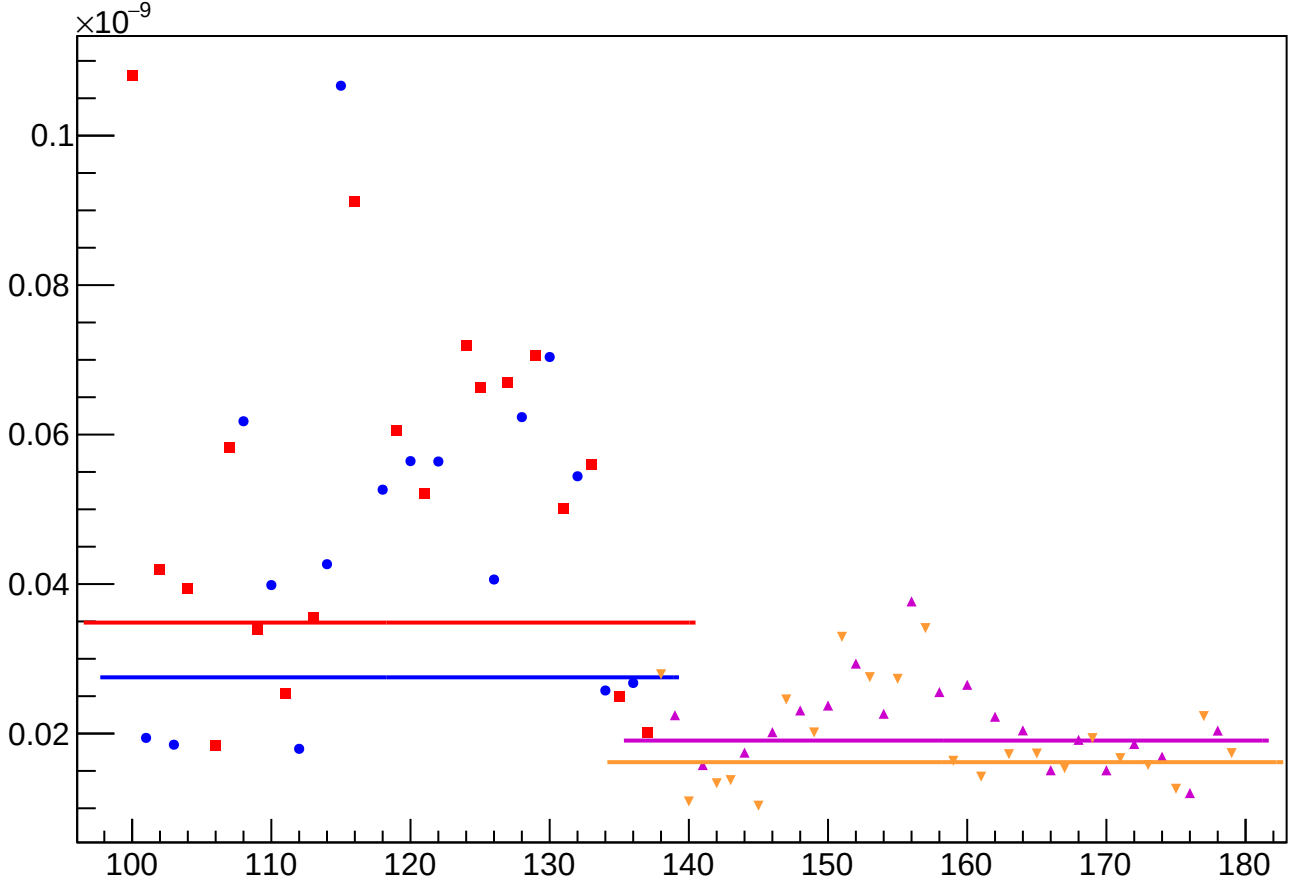
Right Out: 0.000+/-0.000 χ^2/NDF: 23.3/18

Left In: -0.000+/-0.000 χ^2/NDF:34.3/19

+ sign -0.000+/-0.000 χ^2/NDF: 49.5/37

All: -0.000+/-0.000 χ^2/NDF: 107.8/76

- sign -0.000+/-0.000 χ^2/NDF: 58.0/38



Right In: 0.000+/-0.000 χ^2/NDF: 1799776.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:2243689.5/21

Right Out: 0.000+/-0.000 χ^2/NDF: 1676246.7/18

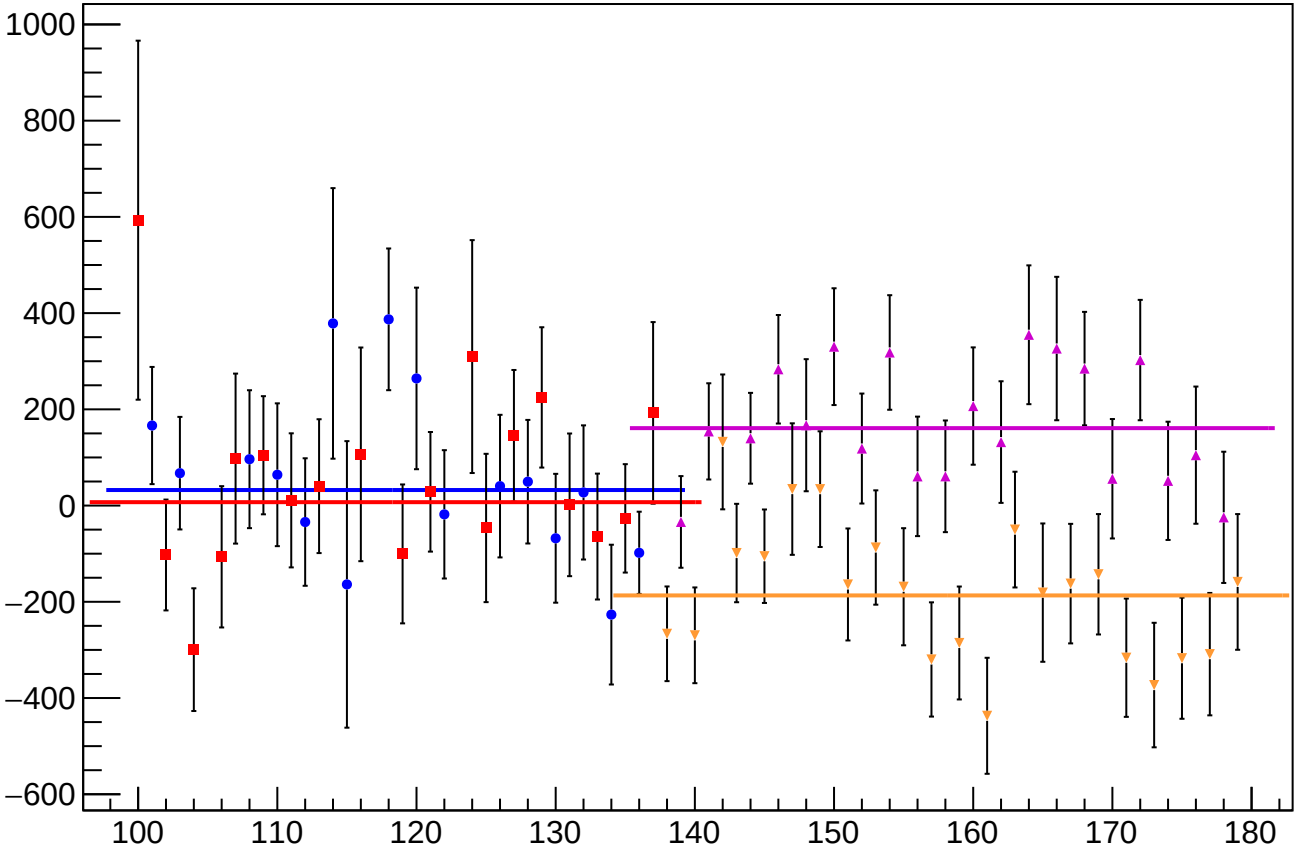
Left In: 0.000+/-0.000 χ^2/NDF:1355438.6/19

+ sign 0.000+/-0.000 χ^2/NDF: 5151496.3/37

All: 0.000+/-0.000 χ^2/NDF: 10216818.7/76

- sign 0.000+/-0.000 χ^2/NDF: 4633458.5/38

reg_asym_sam_15_dd_mean vs Slug



Right In: 32.297+/-34.429 χ^2/NDF: 17.3/15

Left Out: -186.753+/-25.389 χ^2/NDF:27.7/21

Right Out: 7.070+/-33.420 χ^2/NDF: 17.8/18

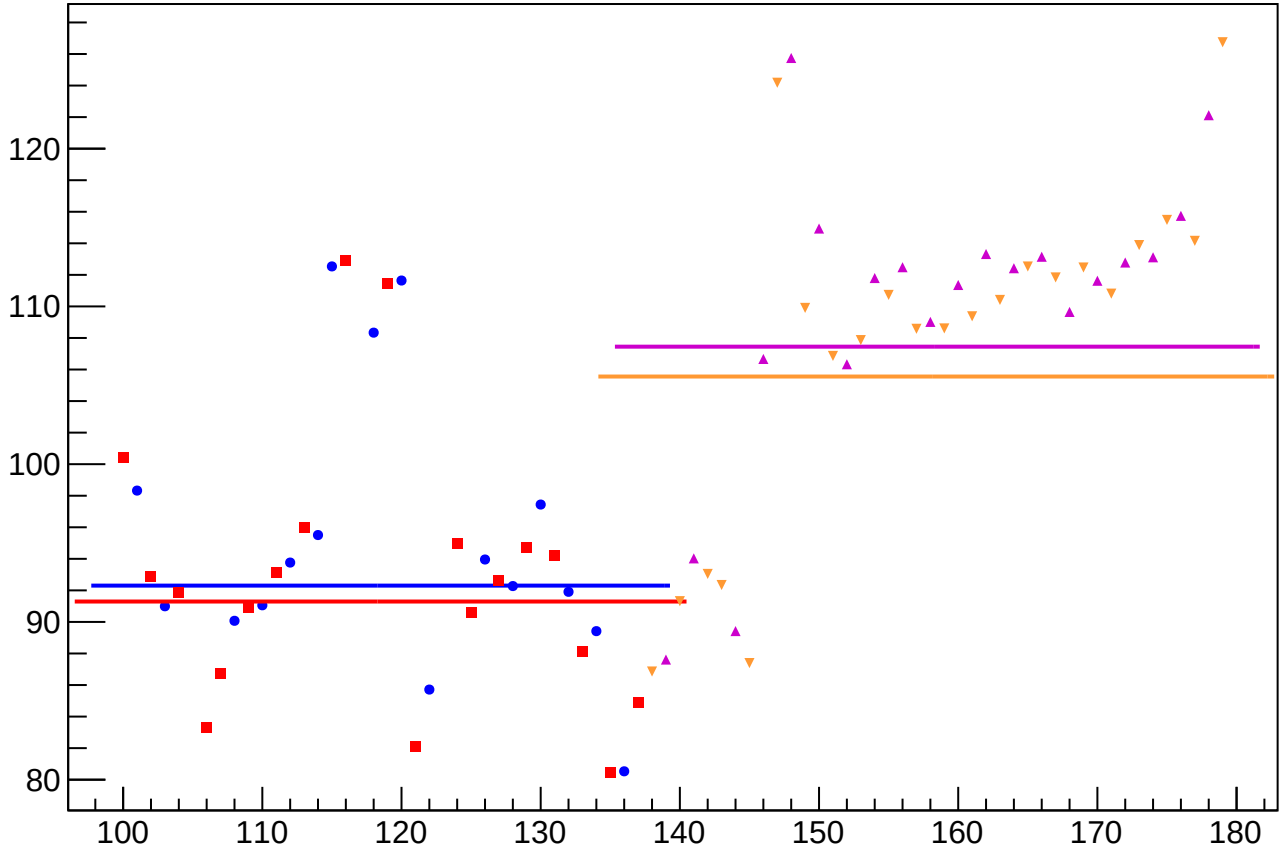
Left In: 160.945+/-26.715 χ^2/NDF:19.8/19

+ sign -109.591+/-20.434 χ^2/NDF: 71.2/37

All: -6.527+/-14.600 χ^2/NDF: 173.7/76

- sign 100.954+/-20.867 χ^2/NDF: 50.5/38

reg_asym_sam_15_dd_rms vs Slug



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 105.556+/-0.018 χ^2/NDF:379388.4/21

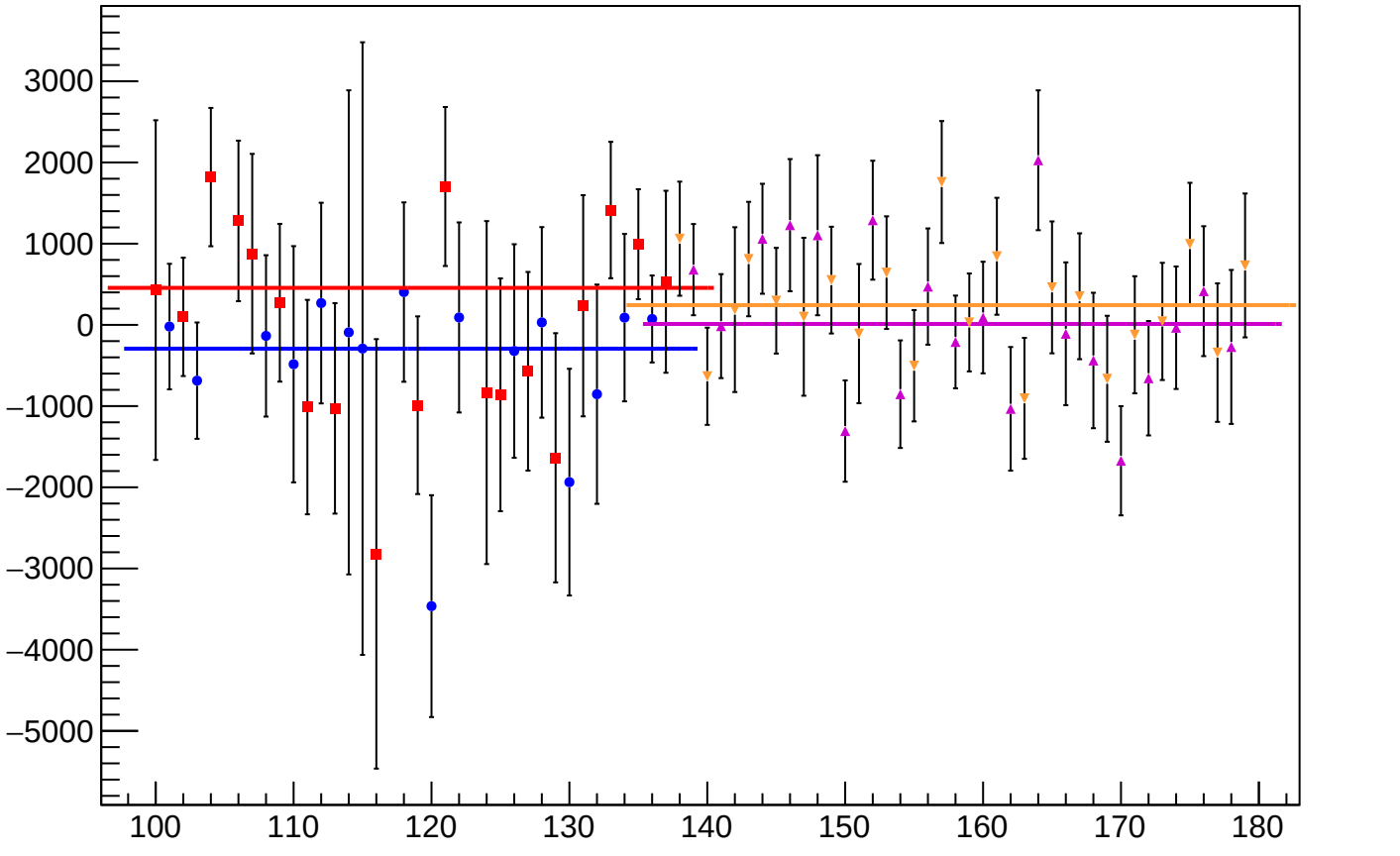
Right Out: 91.294+/-0.024 χ^2/NDF: 105096.6/18

Left In: 107.449+/-0.019 χ^2/NDF:297945.2/19

\+ sign 100.887+/-0.014 χ^2/NDF: 678426.7/37

All: 101.016+/-0.010 χ^2/NDF: 1366779.9/76

\- sign 101.150+/-0.015 χ^2/NDF: 688190.6/38



Right In: -292.756+/-259.692 χ^2/NDF: 8.8/15

Left Out: 243.427+/-157.229 χ^2/NDF:16.9/21

Right Out: 455.830+/-248.717 χ^2/NDF: 16.9/18

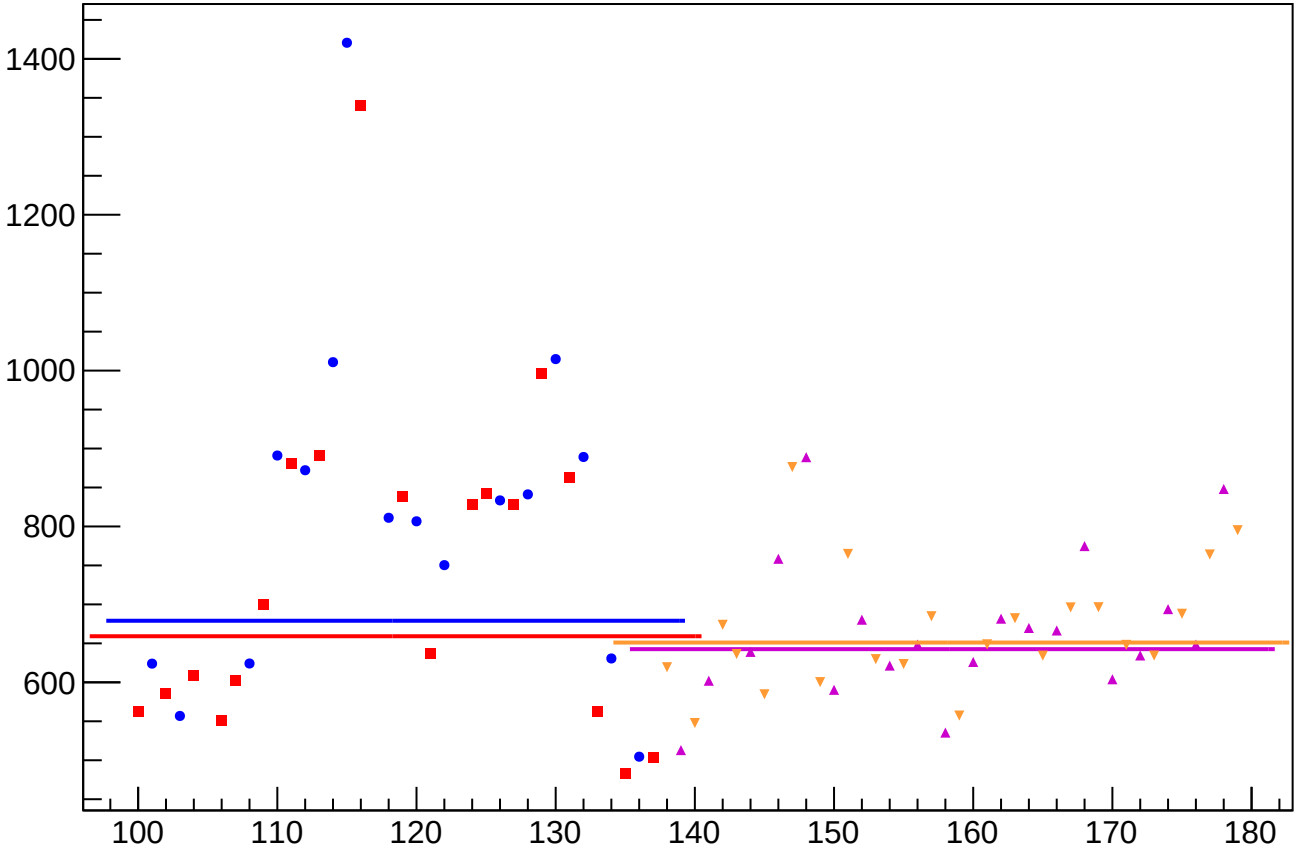
Left In: 11.166+/-160.858 χ^2/NDF:32.3/19

\+ sign 99.604+/-134.498 χ^2/NDF: 28.9/37

All: 120.866+/-95.306 χ^2/NDF: 80.3/76

\- sign 142.309+/-135.070 χ^2/NDF: 51.4/38

asym_sam_15_dd_reg_correction_rms vs Slug



Right In: 679.003+/-0.184 χ^2/NDF: 767983.3/15

Left Out: 651.054+/-0.111 χ^2/NDF:410129.7/21

Right Out: 659.133+/-0.176 χ^2/NDF: 795877.7/18

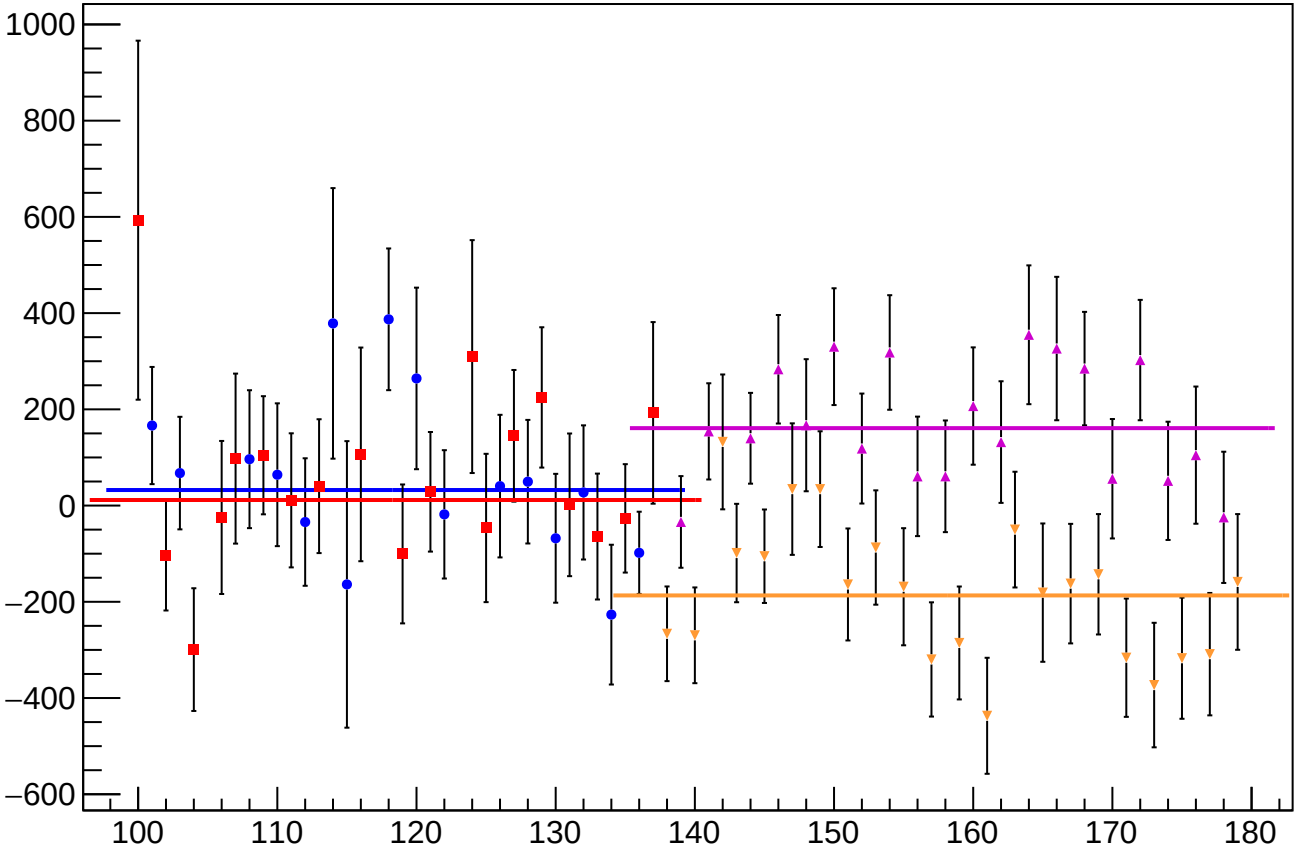
Left In: 642.566+/-0.114 χ^2/NDF:542315.0/19

\+ sign 658.551+/-0.095 χ^2/NDF: 1195064.4/37

All: 653.025+/-0.067 χ^2/NDF: 2546295.4/76

\- sign 647.452+/-0.096 χ^2/NDF: 1344449.8/38

cor_asym_sam_15_dd_mean vs Slug



Right In: 32.312+/-34.429 χ^2/NDF: 17.3/15

Left Out: -186.753+/-25.389 χ^2/NDF:27.7/21

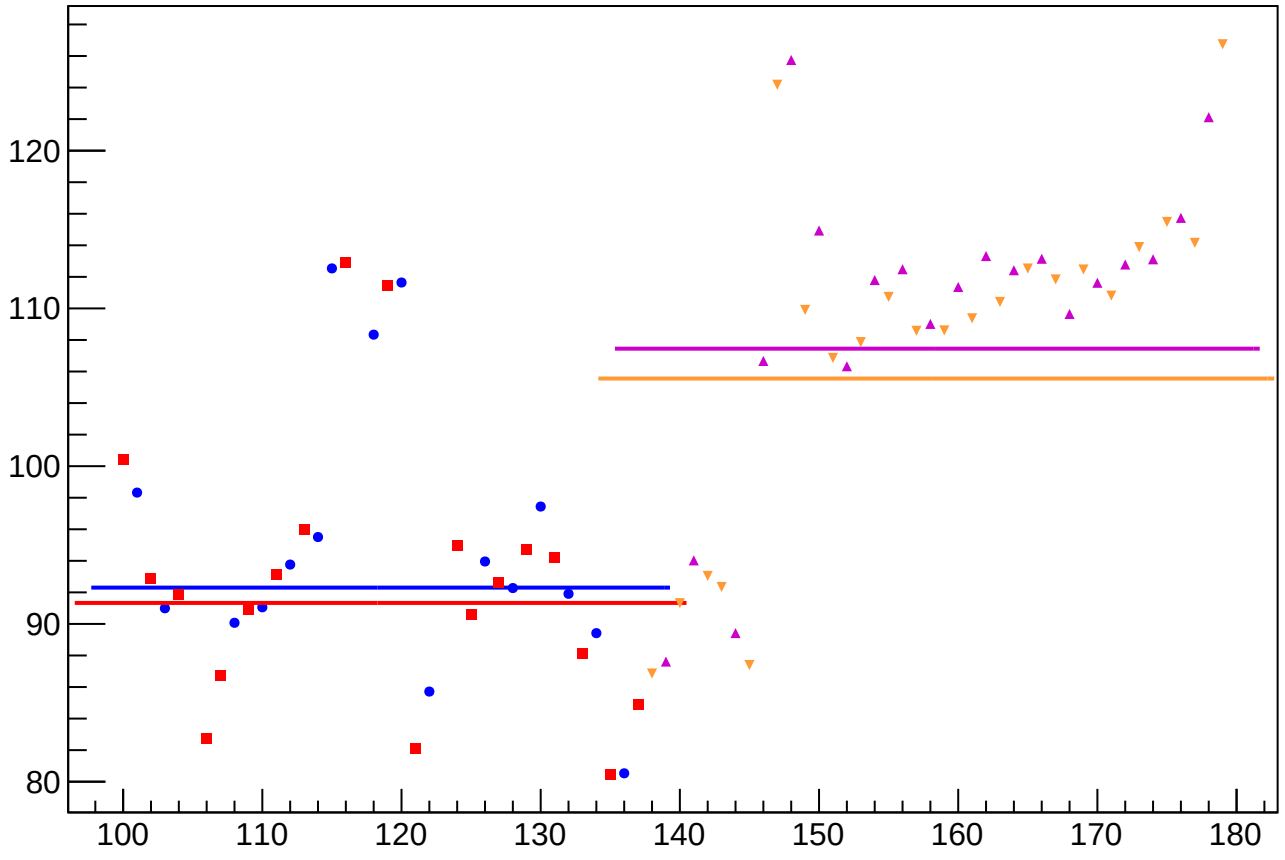
Right Out: 11.576+/-33.548 χ^2/NDF: 17.2/18

Left In: 160.948+/-26.715 χ^2/NDF:19.8/19

+ sign -109.586+/-20.434 χ^2/NDF: 71.2/37

All: -5.688+/-14.610 χ^2/NDF: 173.2/76

- sign 102.986+/-20.898 χ^2/NDF: 49.1/38



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 105.556+/-0.018 χ^2/NDF:379388.4/21

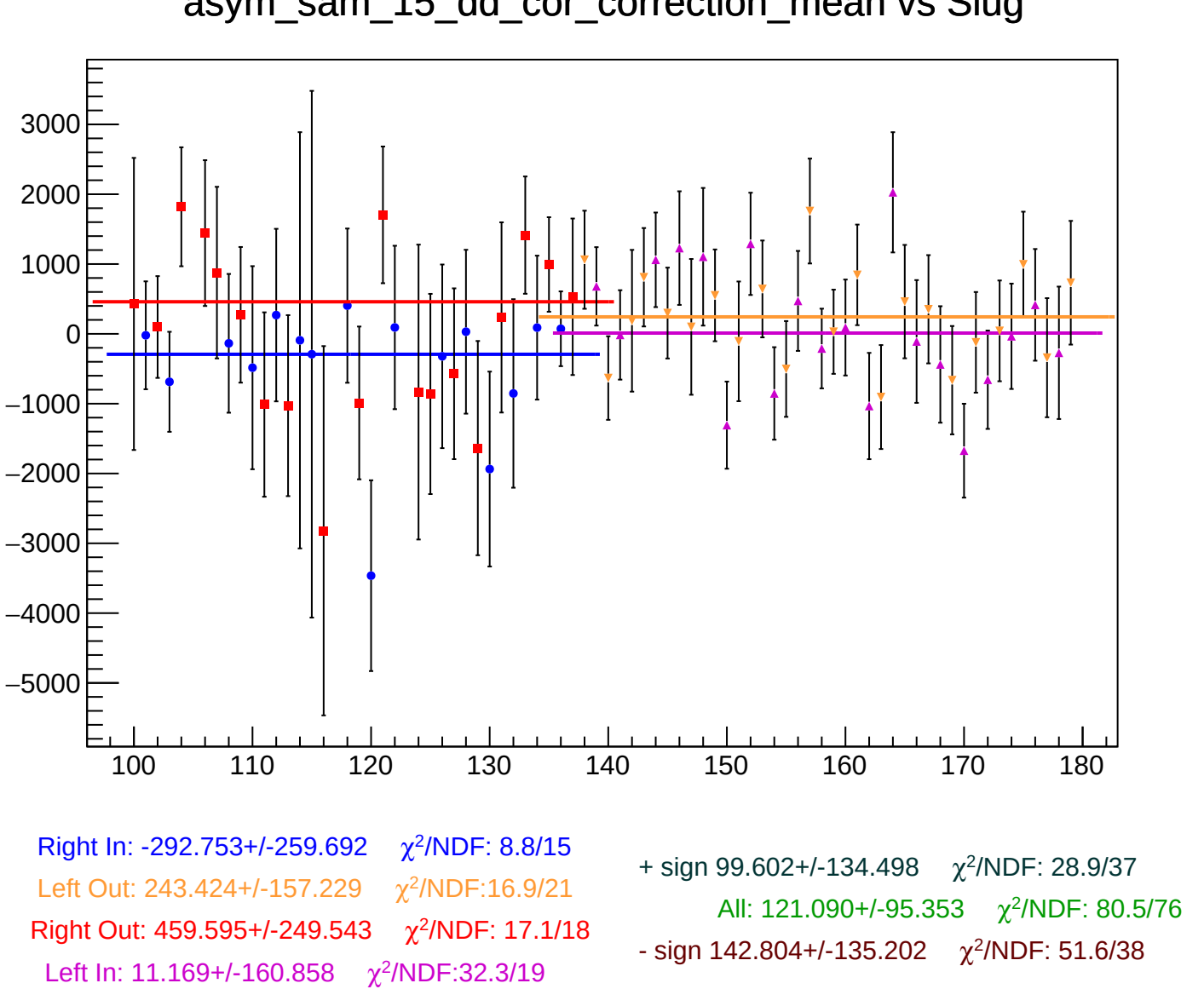
Right Out: 91.332+/-0.024 χ^2/NDF: 104918.3/18

Left In: 107.449+/-0.019 χ^2/NDF:297945.2/19

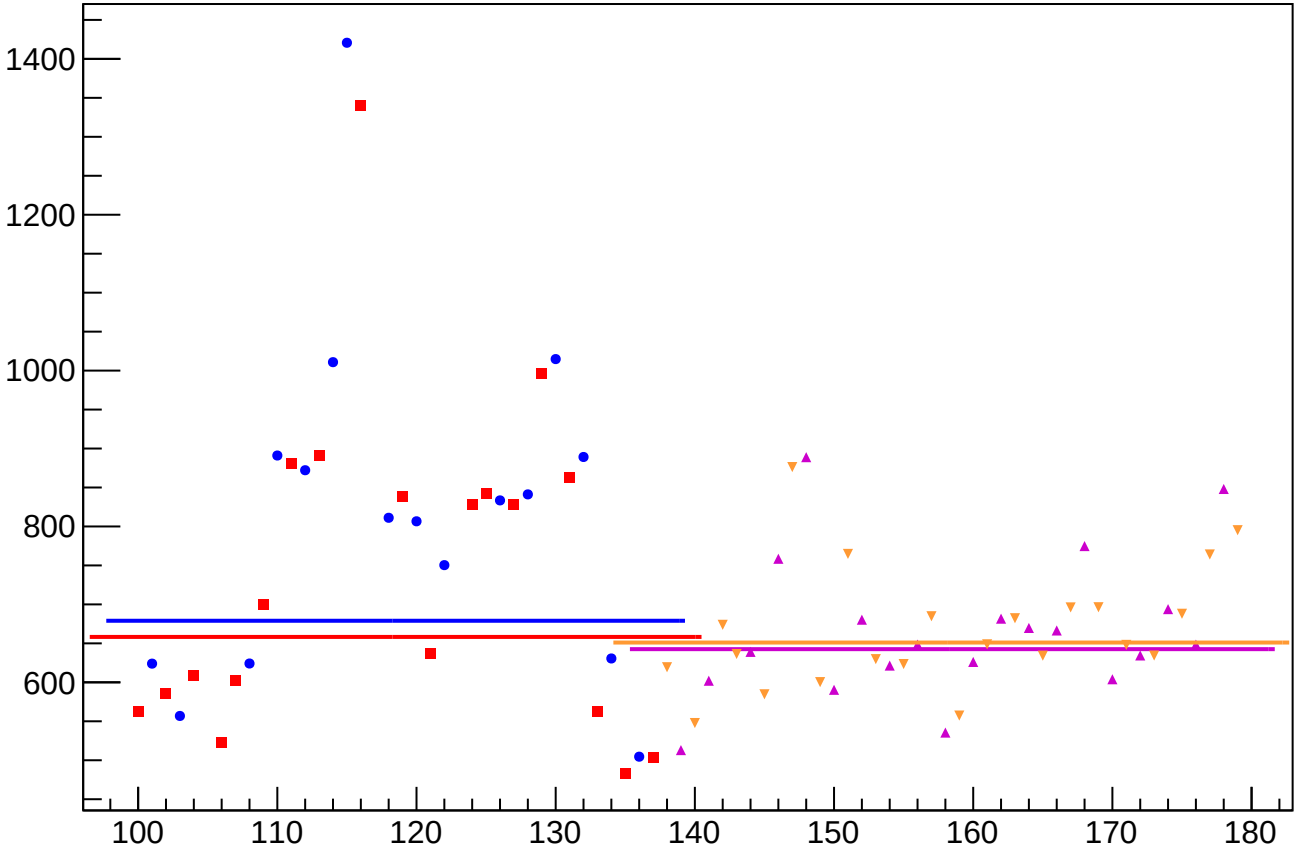
\+ sign 100.887+/-0.014 χ^2/NDF: 678426.6/37

All: 101.038+/-0.010 χ^2/NDF: 1363979.8/76

\- sign 101.195+/-0.015 χ^2/NDF: 685331.5/38


asym_sam_15_dd_cor_correction_mean vs Slug
3000
2000
1000
0
−1000
−2000
−3000
−4000
−5000
100
110
120
130
140
150
160
170
180
Right In: -292.753+/-259.692 χ²/NDF: 8.8/15
Left Out: 243.424+/-157.229 χ²/NDF:16.9/21
Right Out: 459.595+/-249.543 χ²/NDF: 17.1/18
Left In: 11.169+/-160.858 χ²/NDF:32.3/19
+ sign 99.602+/-134.498 χ²/NDF: 28.9/37
All: 121.090+/-95.353 χ²/NDF: 80.5/76
- sign 142.804+/-135.202 χ²/NDF: 51.6/38

asym_sam_15_dd_cor_correction_rms vs Slug



Right In: 679.003+/-0.184 χ^2/NDF: 767985.6/15

Left Out: 651.055+/-0.111 χ^2/NDF:410130.4/21

Right Out: 658.262+/-0.176 χ^2/NDF: 805898.2/18

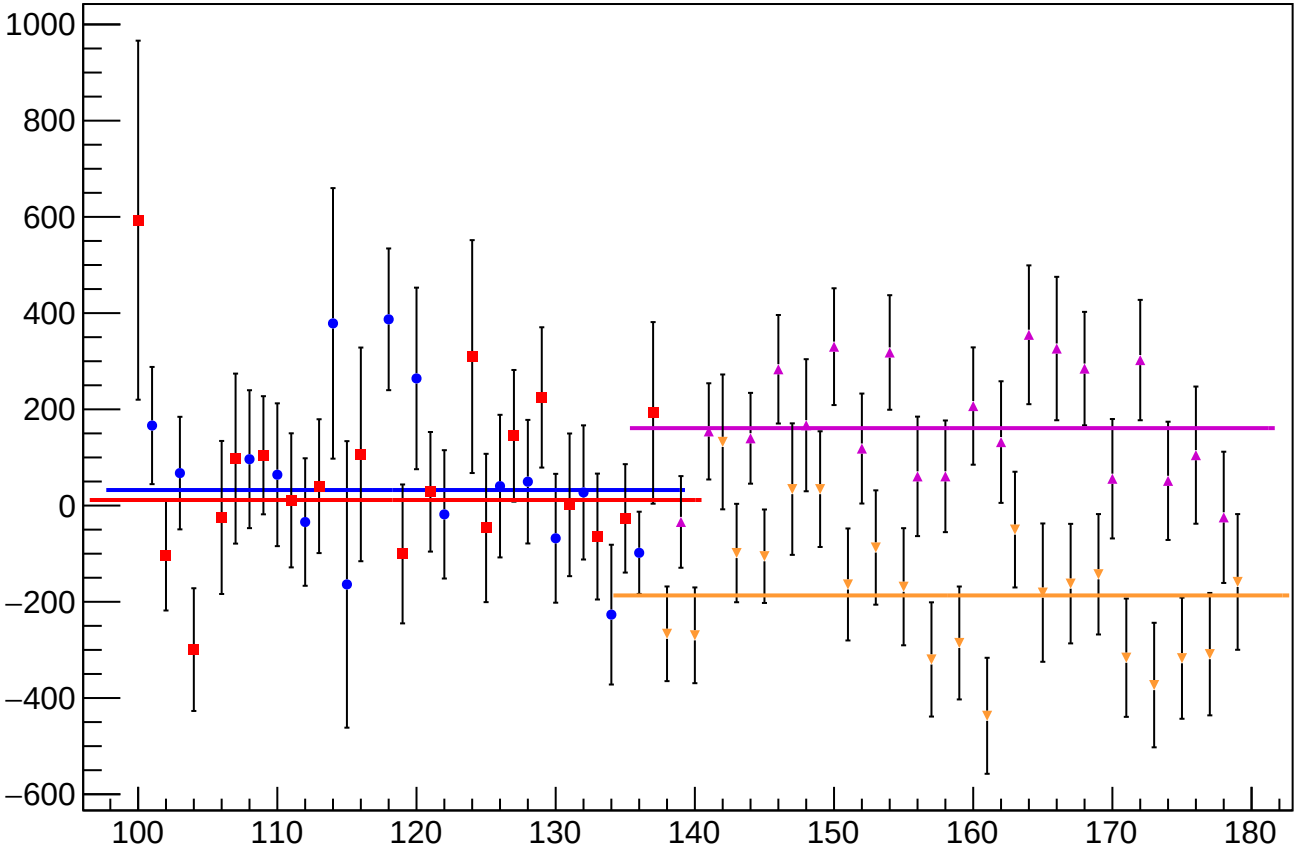
Left In: 642.566+/-0.114 χ^2/NDF:542316.7/19

\+ sign 658.551+/-0.095 χ^2/NDF: 1195066.6/37

All: 652.892+/-0.067 χ^2/NDF: 2555990.2/76

\- sign 647.173+/-0.096 χ^2/NDF: 1353804.7/38

eigen_cor_asym_sam_15_dd_mean vs Slug



Right In: 32.312+/-34.429 χ^2/NDF: 17.3/15

Left Out: -186.753+/-25.389 χ^2/NDF:27.7/21

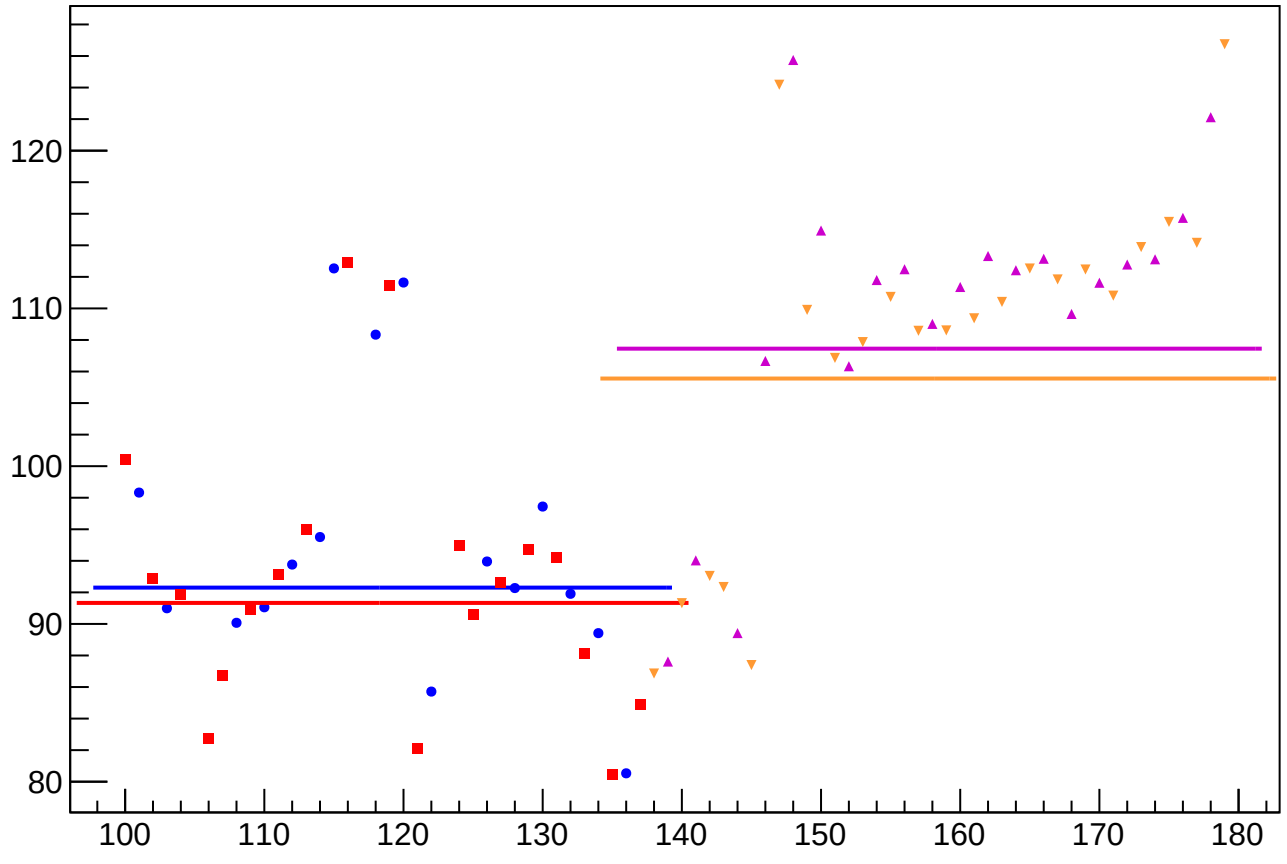
Right Out: 11.576+/-33.548 χ^2/NDF: 17.2/18

Left In: 160.948+/-26.715 χ^2/NDF:19.8/19

+ sign -109.586+/-20.434 χ^2/NDF: 71.2/37

All: -5.688+/-14.610 χ^2/NDF: 173.2/76

- sign 102.986+/-20.898 χ^2/NDF: 49.1/38



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 105.556+/-0.018 χ^2/NDF:379388.4/21

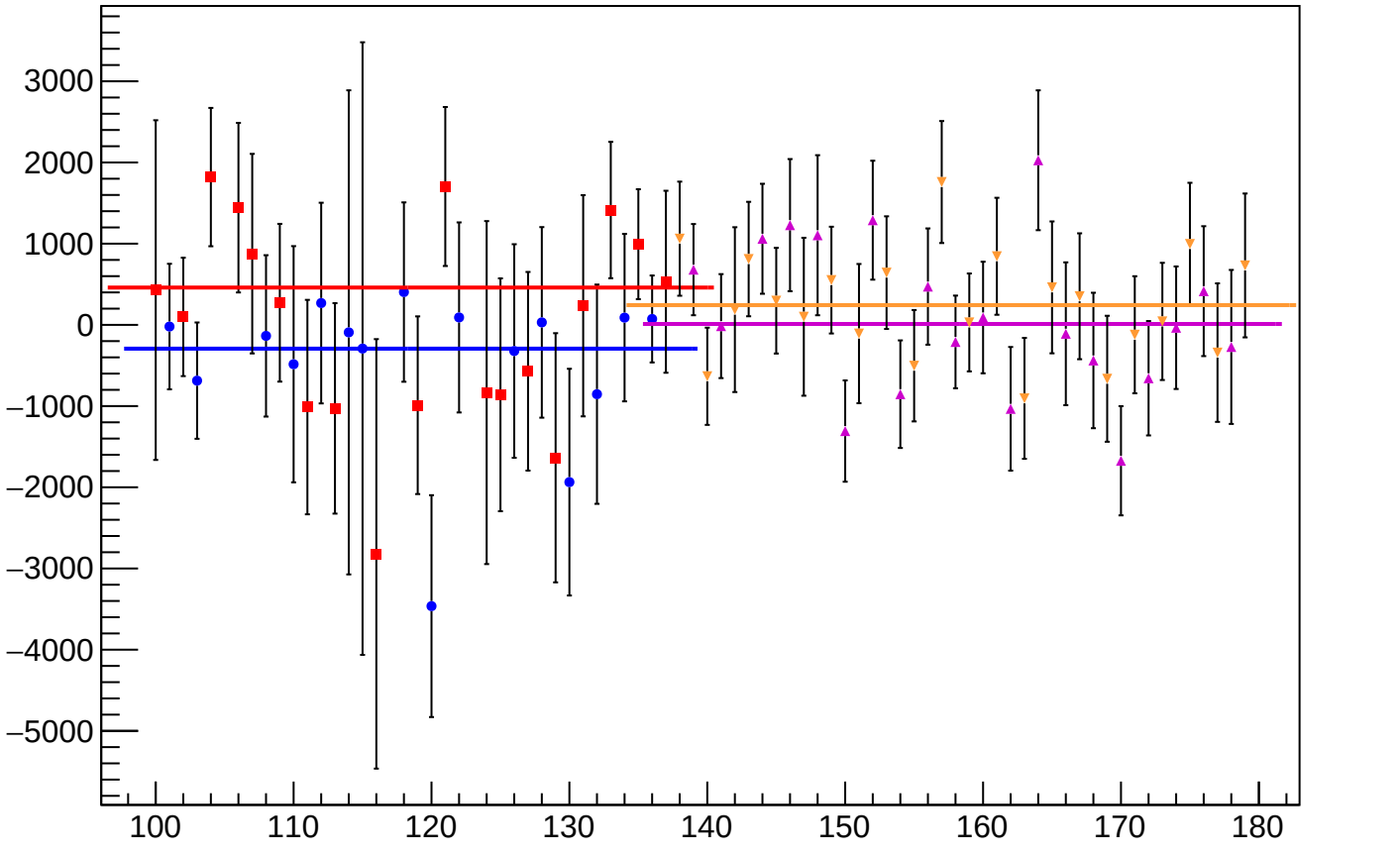
Right Out: 91.332+/-0.024 χ^2/NDF: 104918.3/18

Left In: 107.449+/-0.019 χ^2/NDF:297945.2/19

+ sign 100.887+/-0.014 χ^2/NDF: 678426.6/37

All: 101.038+/-0.010 χ^2/NDF: 1363979.8/76

- sign 101.195+/-0.015 χ^2/NDF: 685331.5/38



Right In: -292.753+/-259.692 χ^2/NDF: 8.8/15

Left Out: 243.424+/-157.229 χ^2/NDF:16.9/21

Right Out: 459.595+/-249.543 χ^2/NDF: 17.1/18

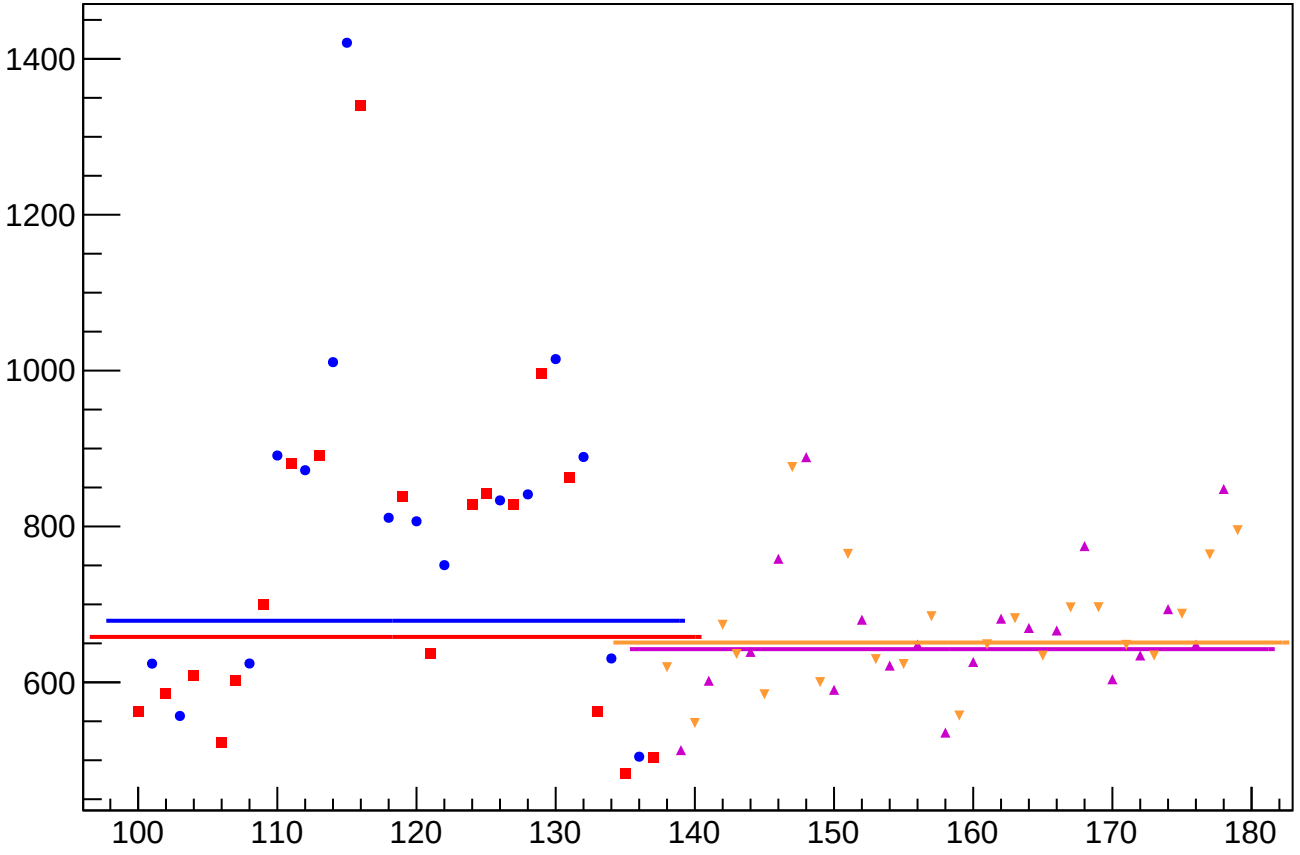
Left In: 11.169+/-160.858 χ^2/NDF:32.3/19

\+ sign 99.602+/-134.498 χ^2/NDF: 28.9/37

All: 121.090+/-95.353 χ^2/NDF: 80.5/76

\- sign 142.804+/-135.202 χ^2/NDF: 51.6/38

asym_sam_15_dd_eigen_cor_correction_rms vs Slug



Right In: 679.003+/-0.184 χ^2/NDF: 767985.6/15

Left Out: 651.055+/-0.111 χ^2/NDF:410130.4/21

Right Out: 658.262+/-0.176 χ^2/NDF: 805898.2/18

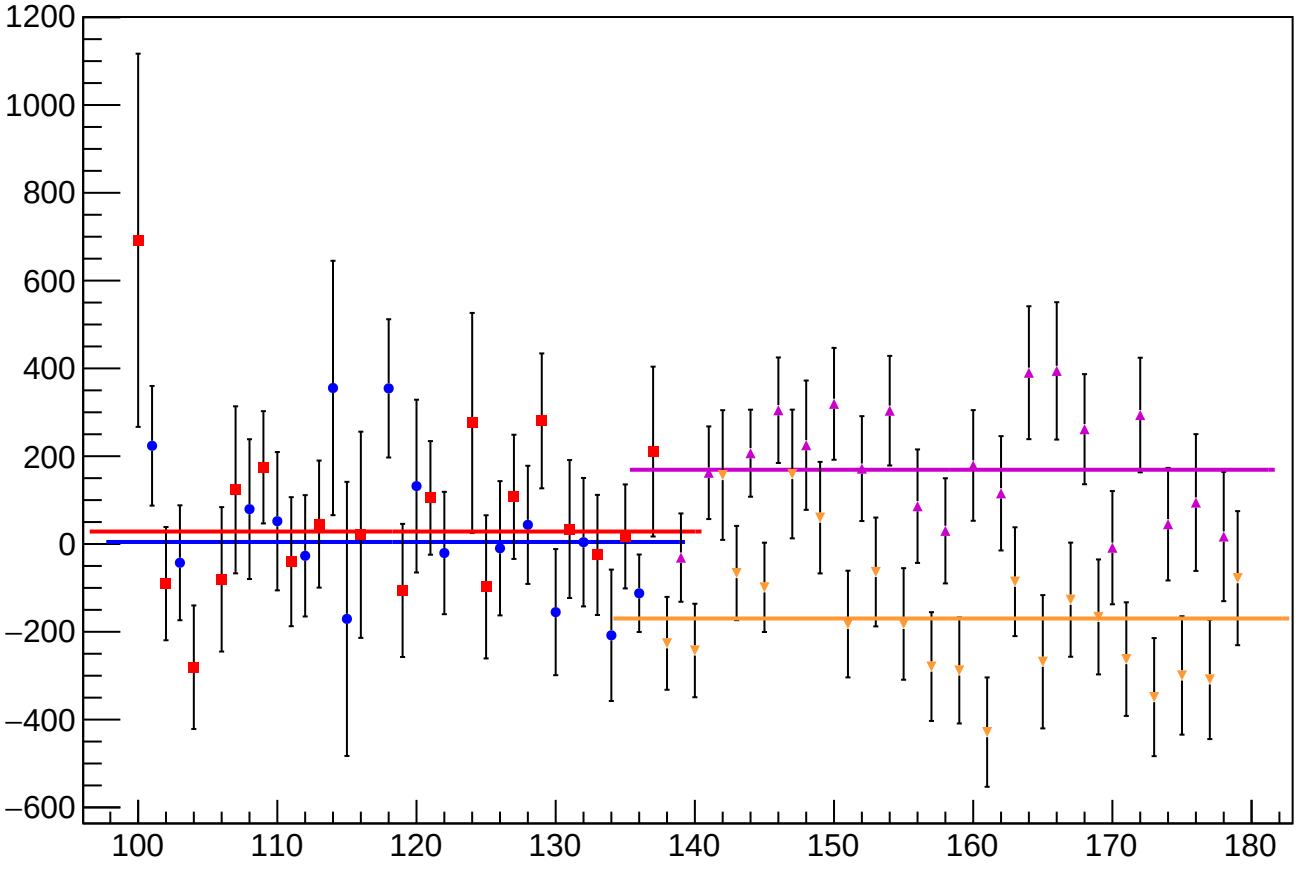
Left In: 642.566+/-0.114 χ^2/NDF:542316.7/19

\+ sign 658.551+/-0.095 χ^2/NDF: 1195066.6/37

All: 652.892+/-0.067 χ^2/NDF: 2555990.2/76

\- sign 647.173+/-0.096 χ^2/NDF: 1353804.7/38

dit_asym_sam_15_dd_mean vs Slug



Right In: 4.619+/-36.509 χ^2/NDF: 15.3/15

Left Out: -169.663+/-26.717 χ^2/NDF:27.8/21

Right Out: 28.407+/-35.465 χ^2/NDF: 17.1/18

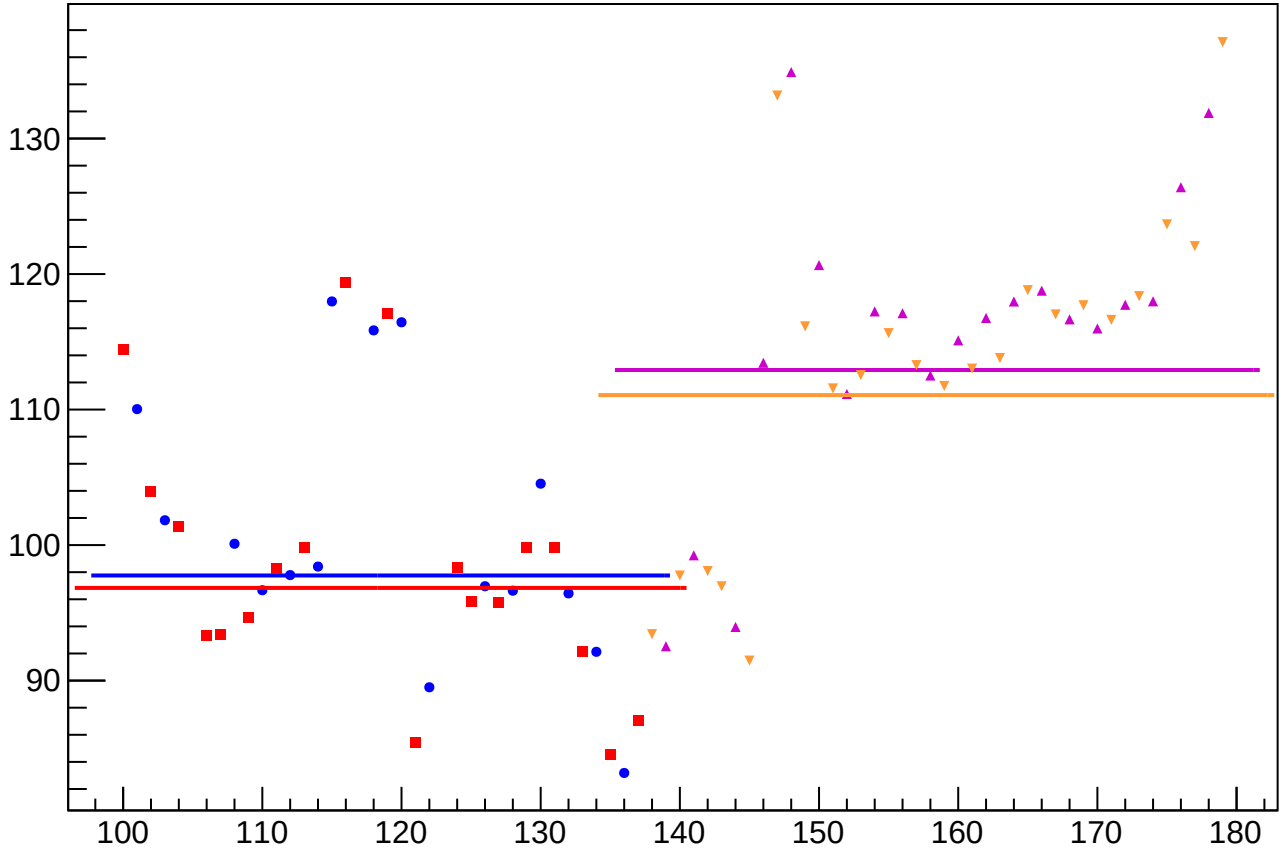
Left In: 169.150+/-28.084 χ^2/NDF:19.8/19

+ sign -108.882+/-21.561 χ^2/NDF: 58.0/37

All: 0.669+/-15.404 χ^2/NDF: 157.3/76

- sign 114.907+/-22.017 χ^2/NDF: 46.6/38

dit_asym_sam_15_dd_rms vs Slug



Right In: 97.756+/-0.026 χ^2/NDF: 140654.4/15

Left Out: 111.068+/-0.019 χ^2/NDF:377627.2/21

Right Out: 96.840+/-0.025 χ^2/NDF: 115170.9/18

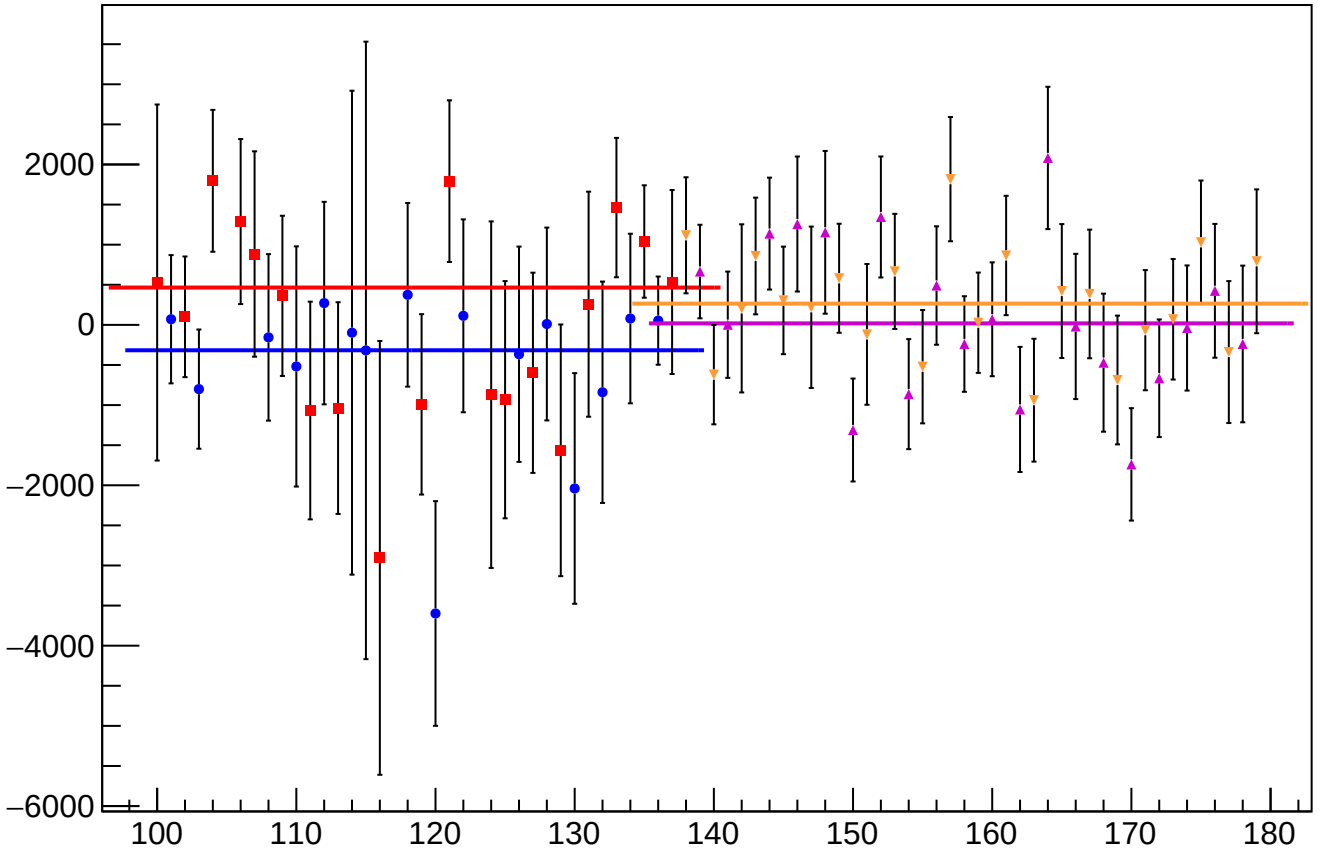
Left In: 112.918+/-0.020 χ^2/NDF:310087.6/19

+ sign 106.425+/-0.015 χ^2/NDF: 691446.5/37

All: 106.570+/-0.011 χ^2/NDF: 1369540.1/76

- sign 106.722+/-0.016 χ^2/NDF: 677908.8/38

asym_sam_15_dd_dit_correction_mean vs Slug



Right In: -316.572+/-267.515 χ^2/NDF: 9.2/15

Left Out: 265.284+/-162.289 χ^2/NDF:16.9/21

Right Out: 465.576+/-256.646 χ^2/NDF: 16.5/18

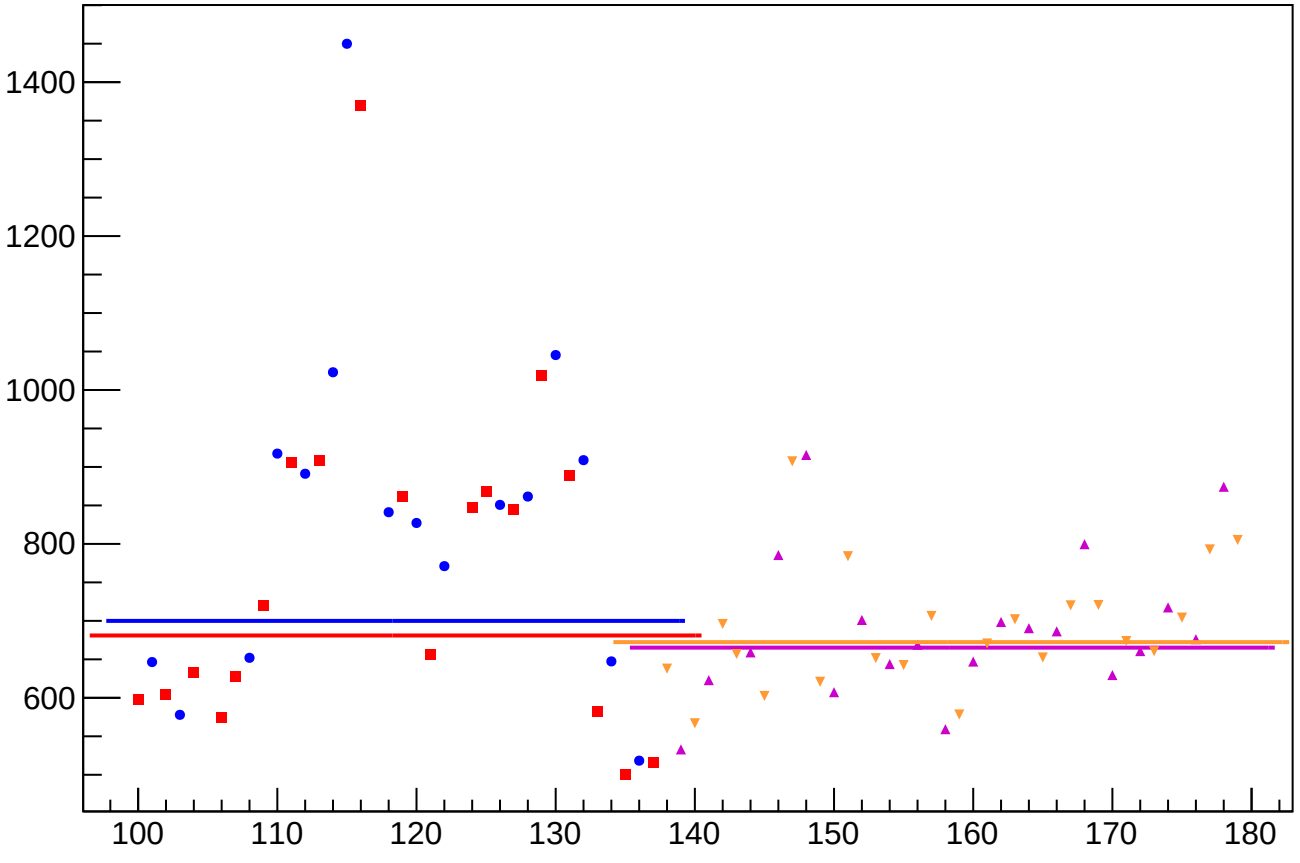
Left In: 18.833+/-166.431 χ^2/NDF:32.0/19

\+ sign 108.752+/-138.753 χ^2/NDF: 29.5/37

All: 129.784+/-98.425 χ^2/NDF: 80.1/76

\- sign 151.086+/-139.639 χ^2/NDF: 50.6/38

asym_sam_15_dd_dit_correction_rms vs Slug



Right In: 699.973+/-0.189 χ^2/NDF: 753665.4/15

Left Out: 672.377+/-0.115 χ^2/NDF:396612.8/21

Right Out: 681.016+/-0.181 χ^2/NDF: 769397.2/18

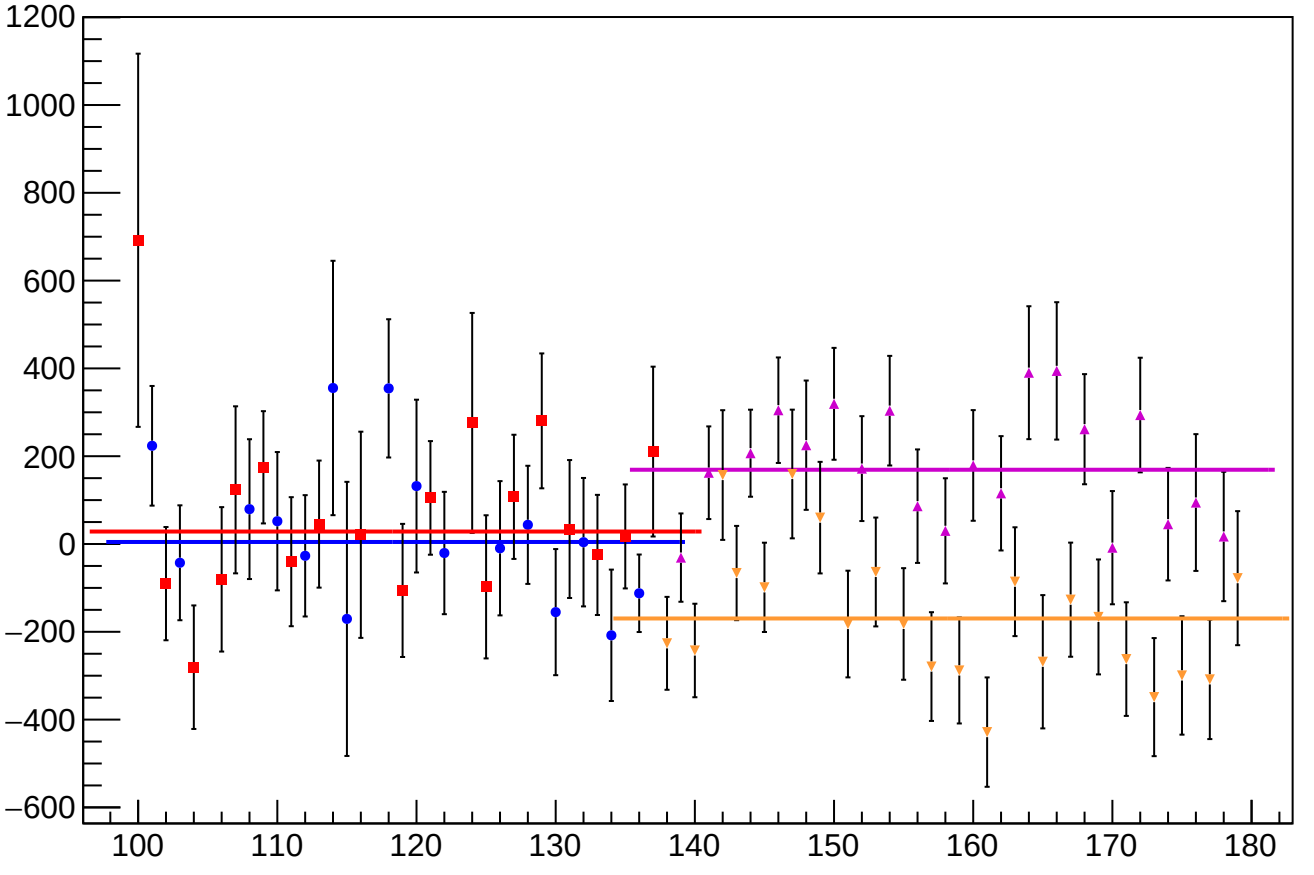
Left In: 665.216+/-0.118 χ^2/NDF:522413.0/19

\+ sign 679.801+/-0.098 χ^2/NDF: 1165835.6/37

All: 674.879+/-0.070 χ^2/NDF: 2468047.3/76

\- sign 669.894+/-0.099 χ^2/NDF: 1297146.4/38

eigen_dit_asym_sam_15_dd_mean vs Slug



Right In: 4.620+/-36.509 χ^2/NDF: 15.3/15

Left Out: -169.664+/-26.717 χ^2/NDF:27.8/21

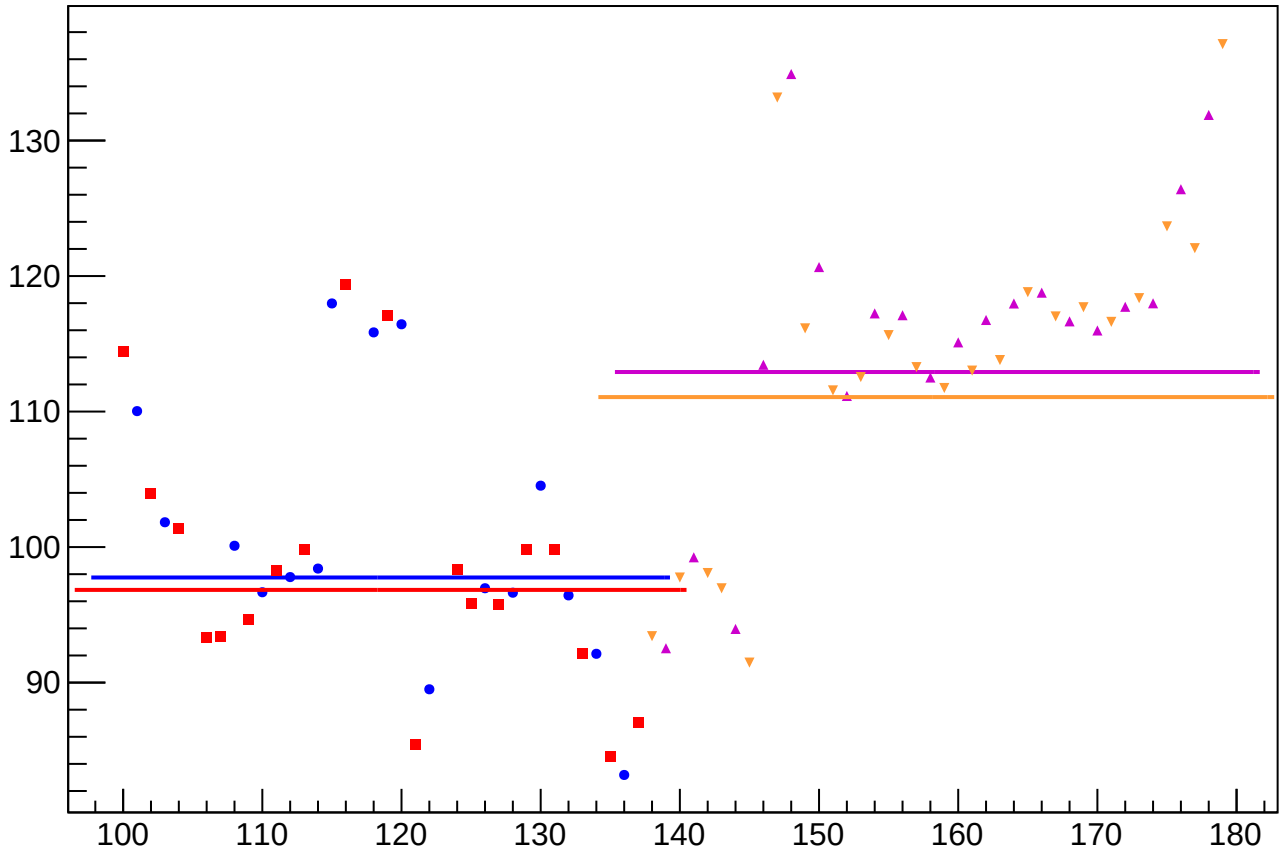
Right Out: 28.407+/-35.465 χ^2/NDF: 17.1/18

Left In: 169.150+/-28.084 χ^2/NDF:19.8/19

+ sign -108.881+/-21.560 χ^2/NDF: 58.0/37

All: 0.669+/-15.404 χ^2/NDF: 157.3/76

- sign 114.907+/-22.017 χ^2/NDF: 46.6/38



Right In: 97.756+/-0.026 χ^2/NDF: 140654.8/15

Left Out: 111.068+/-0.019 χ^2/NDF:377623.6/21

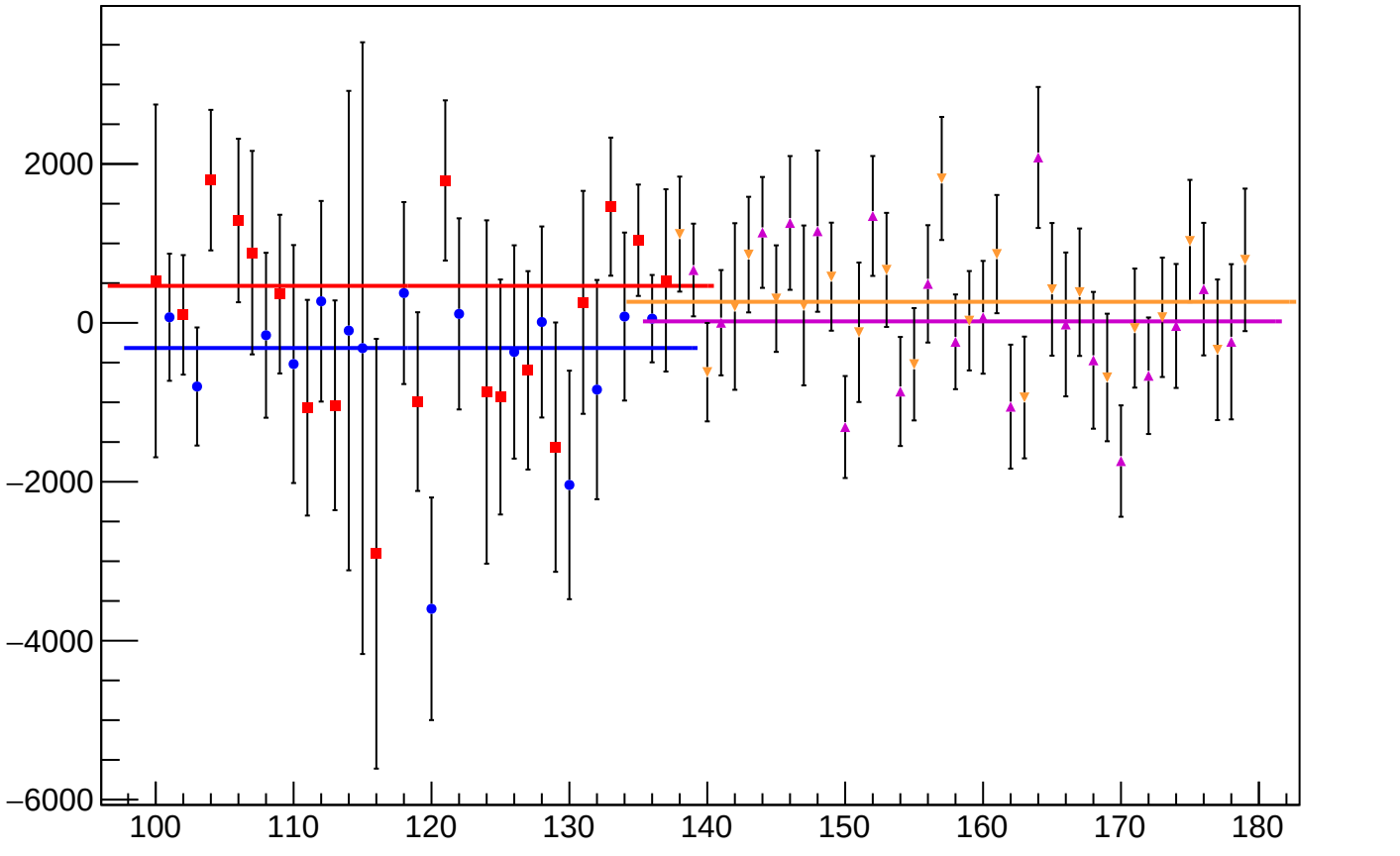
Right Out: 96.839+/-0.025 χ^2/NDF: 115173.1/18

Left In: 112.918+/-0.020 χ^2/NDF:310083.2/19

+ sign 106.425+/-0.015 χ^2/NDF: 691452.3/37

All: 106.570+/-0.011 χ^2/NDF: 1369557.2/76

- sign 106.721+/-0.016 χ^2/NDF: 677920.1/38



Right In: -316.570+/-267.515 χ^2/NDF: 9.2/15

Left Out: 265.284+/-162.289 χ^2/NDF:16.9/21

Right Out: 465.576+/-256.645 χ^2/NDF: 16.5/18

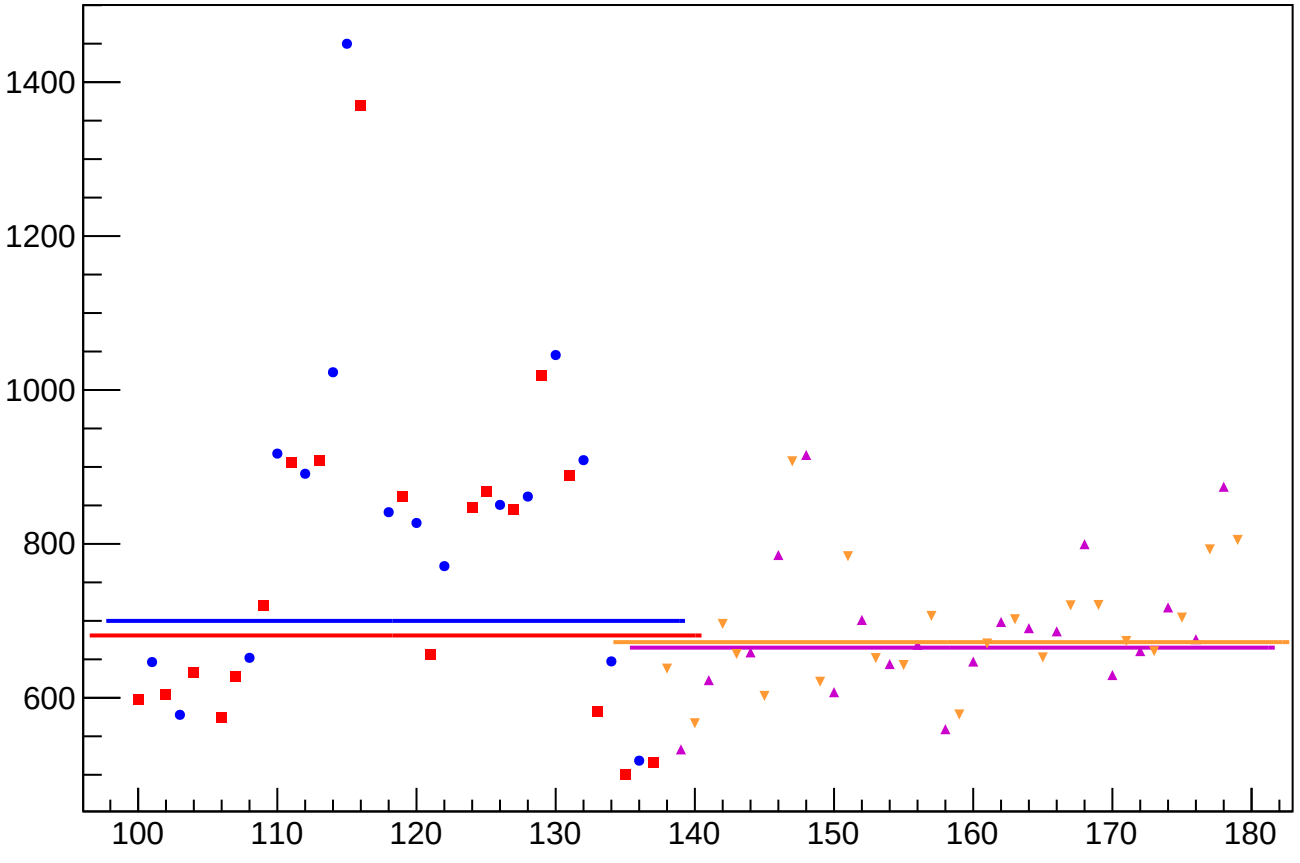
Left In: 18.833+/-166.431 χ^2/NDF:32.0/19

\+ sign 108.752+/-138.753 χ^2/NDF: 29.5/37

All: 129.784+/-98.425 χ^2/NDF: 80.1/76

\- sign 151.087+/-139.639 χ^2/NDF: 50.6/38

asym_sam_15_dd_eigen_dit_correction_rms vs Slug



Right In: 699.971+/-0.189 χ^2/NDF: 753668.1/15

Left Out: 672.377+/-0.115 χ^2/NDF:396612.8/21

Right Out: 681.015+/-0.181 χ^2/NDF: 769400.5/18

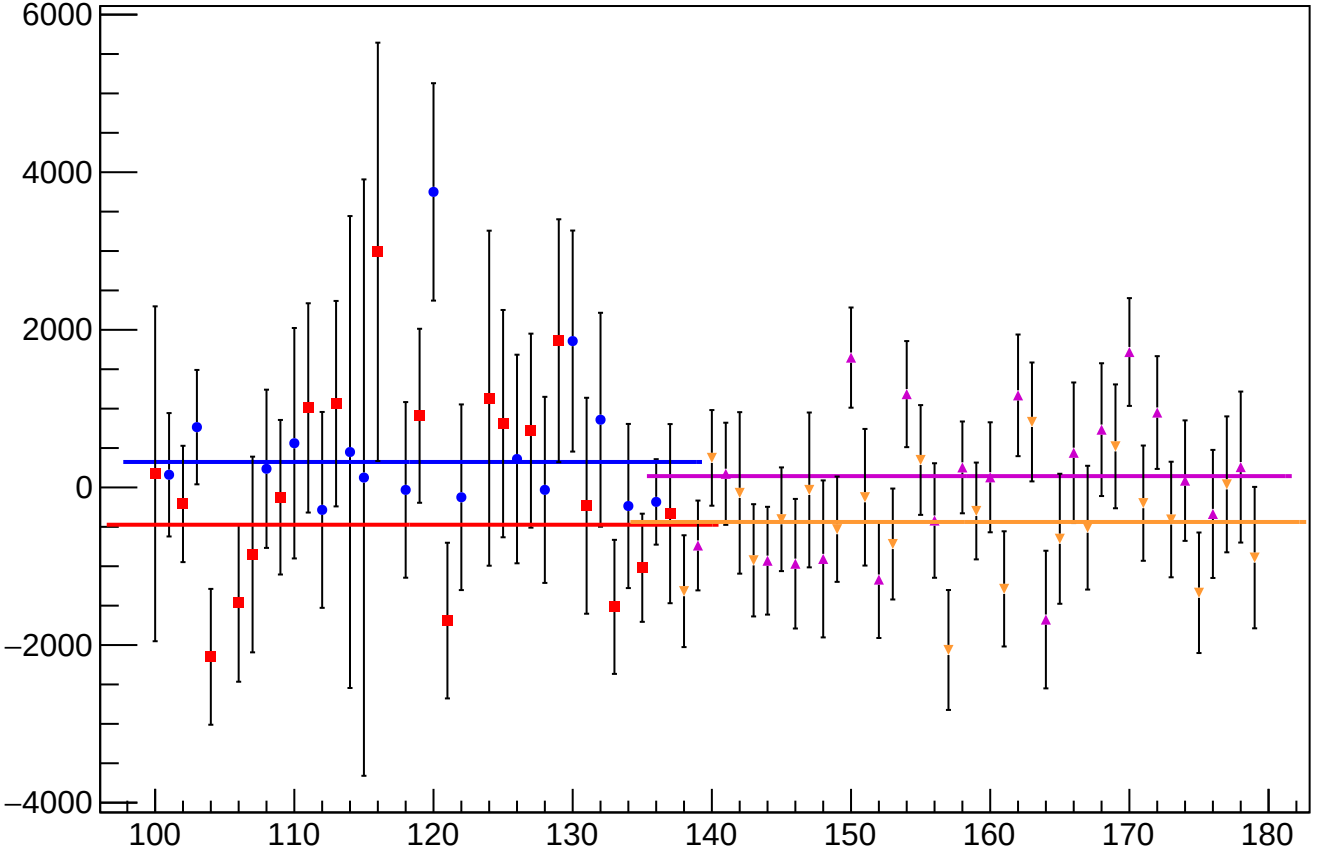
Left In: 665.217+/-0.118 χ^2/NDF:522414.3/19

\+ sign 679.801+/-0.098 χ^2/NDF: 1165836.0/37

All: 674.879+/-0.070 χ^2/NDF: 2468050.9/76

\- sign 669.894+/-0.099 χ^2/NDF: 1297149.4/38

asym_sam_15_dd_mean vs Slug



Right In: 323.198+/-262.332 χ^2/NDF: 9.7/15

Left Out: -438.167+/-159.389 χ^2/NDF:18.1/21

Right Out: -473.233+/-251.330 χ^2/NDF: 19.4/18

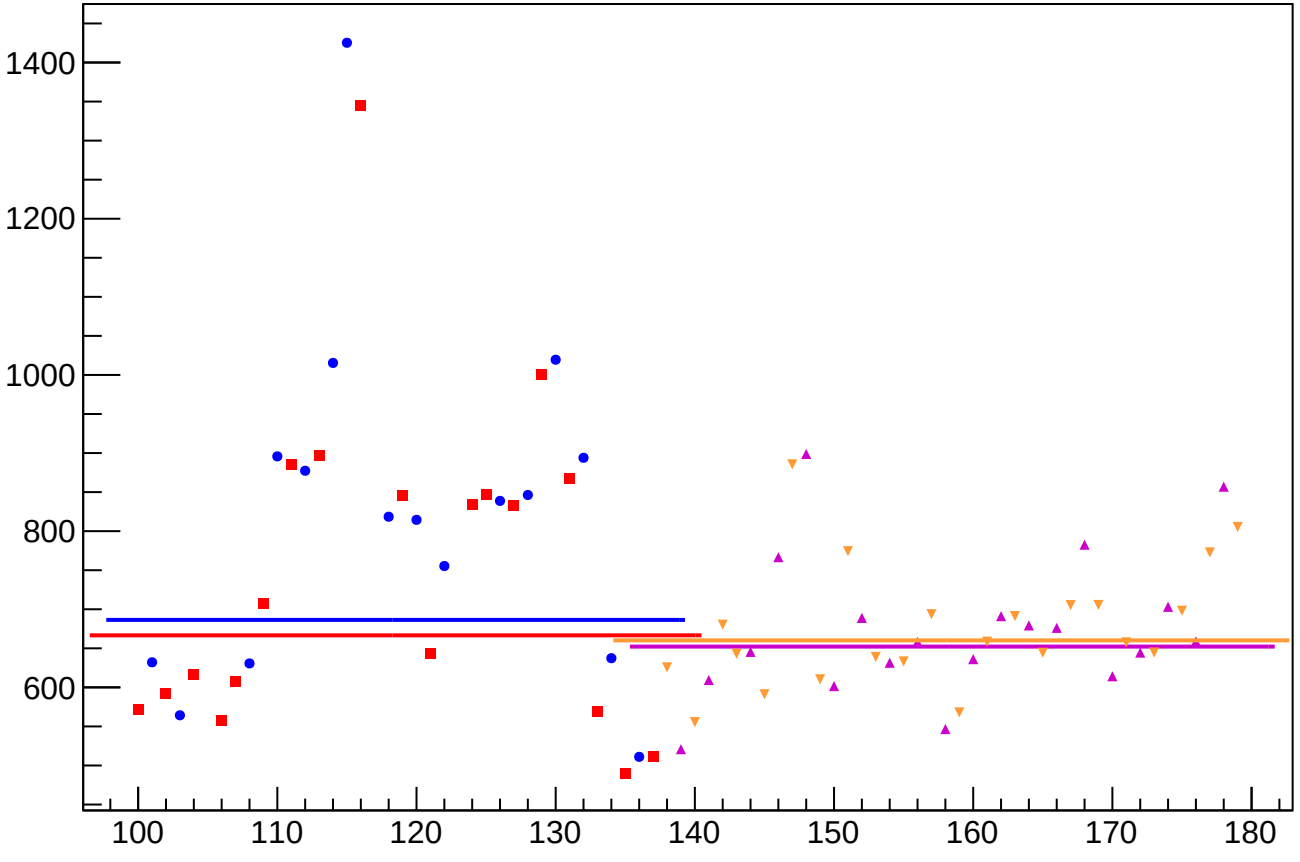
Left In: 143.725+/-163.210 χ^2/NDF:33.2/19

\+ sign -232.885+/-136.217 χ^2/NDF: 34.0/37

All: -136.551+/-96.554 χ^2/NDF: 91.8/76

\- sign -39.275+/-136.881 χ^2/NDF: 56.8/38

asym_sam_15_dd_rms vs Slug



Right In: 686.394+/-0.185 χ^2/NDF: 749454.8/15

Left Out: 660.184+/-0.113 χ^2/NDF:402707.1/21

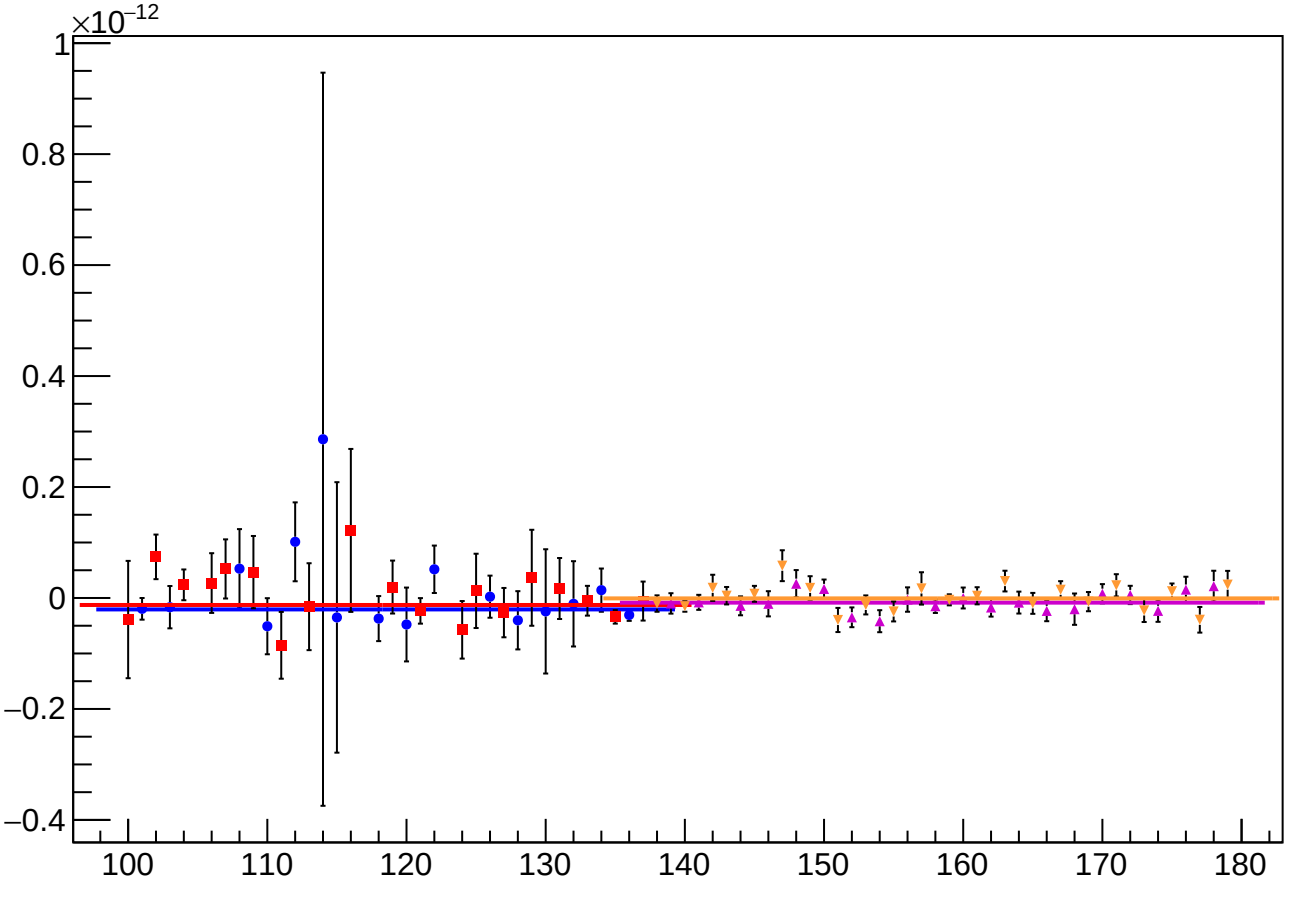
Right Out: 666.634+/-0.178 χ^2/NDF: 777033.6/18

Left In: 652.210+/-0.115 χ^2/NDF:526074.1/19

\+ sign 667.251+/-0.096 χ^2/NDF: 1166743.4/37

All: 661.896+/-0.068 χ^2/NDF: 2480697.2/76

\- sign 656.489+/-0.097 χ^2/NDF: 1307741.5/38



Right In: -0.000+/-0.000 χ^2/NDF: 10.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:25.9/21

Right Out: -0.000+/-0.000 χ^2/NDF: 17.0/18

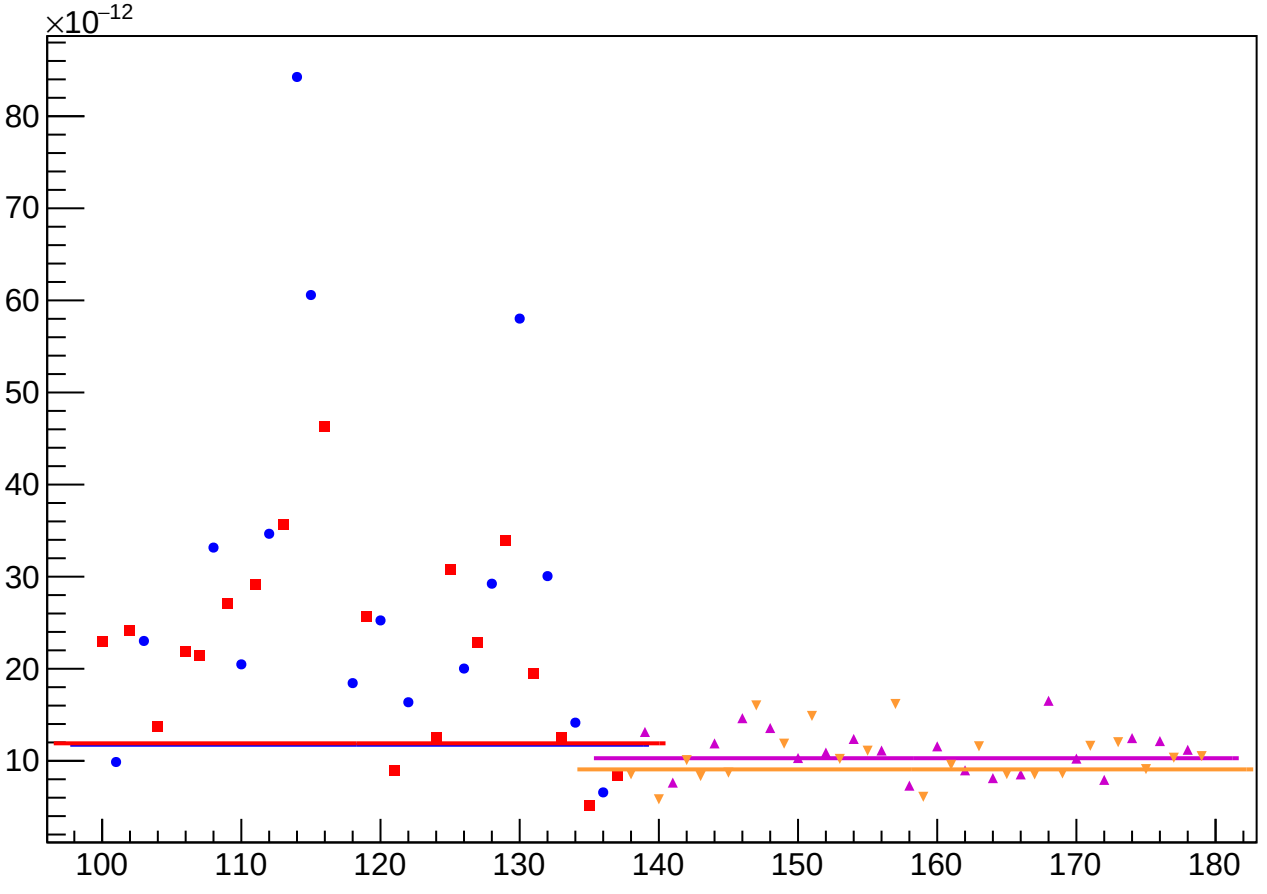
Left In: -0.000+/-0.000 χ^2/NDF:15.2/19

+ sign -0.000+/-0.000 χ^2/NDF: 41.3/37

All: -0.000+/-0.000 χ^2/NDF: 74.8/76

- sign -0.000+/-0.000 χ^2/NDF: 32.4/38

asym_sam_15_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2161176.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:985915.7/21

Right Out: 0.000+/-0.000 χ^2/NDF: 2202451.9/18

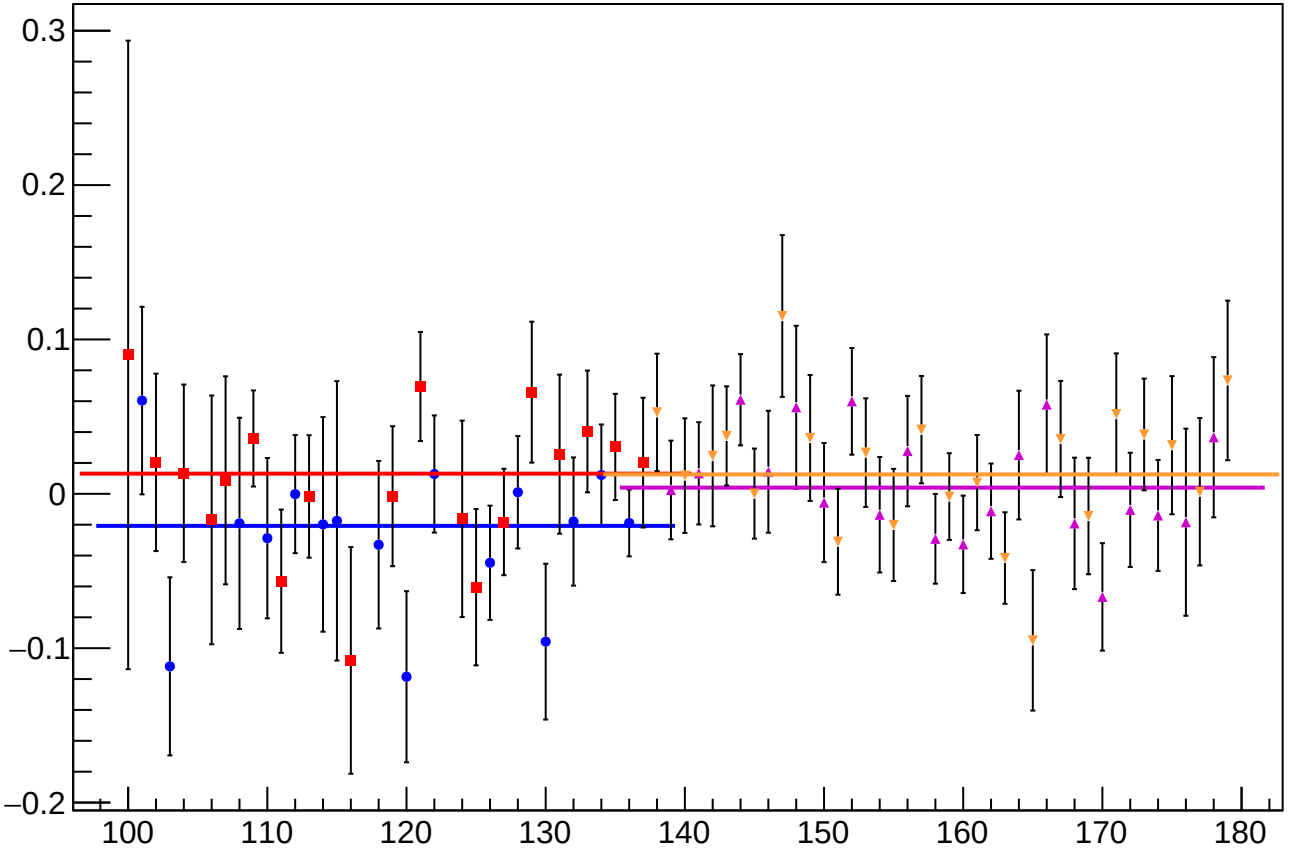
Left In: 0.000+/-0.000 χ^2/NDF:639359.3/19

+ sign 0.000+/-0.000 χ^2/NDF: 3341552.5/37

All: 0.000+/-0.000 χ^2/NDF: 6352978.0/76

- sign 0.000+/-0.000 χ^2/NDF: 2908534.2/38

asym_sam_15_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.013+/-0.008 χ^2/NDF:22.6/21

Right Out: 0.013+/-0.011 χ^2/NDF: 13.9/18

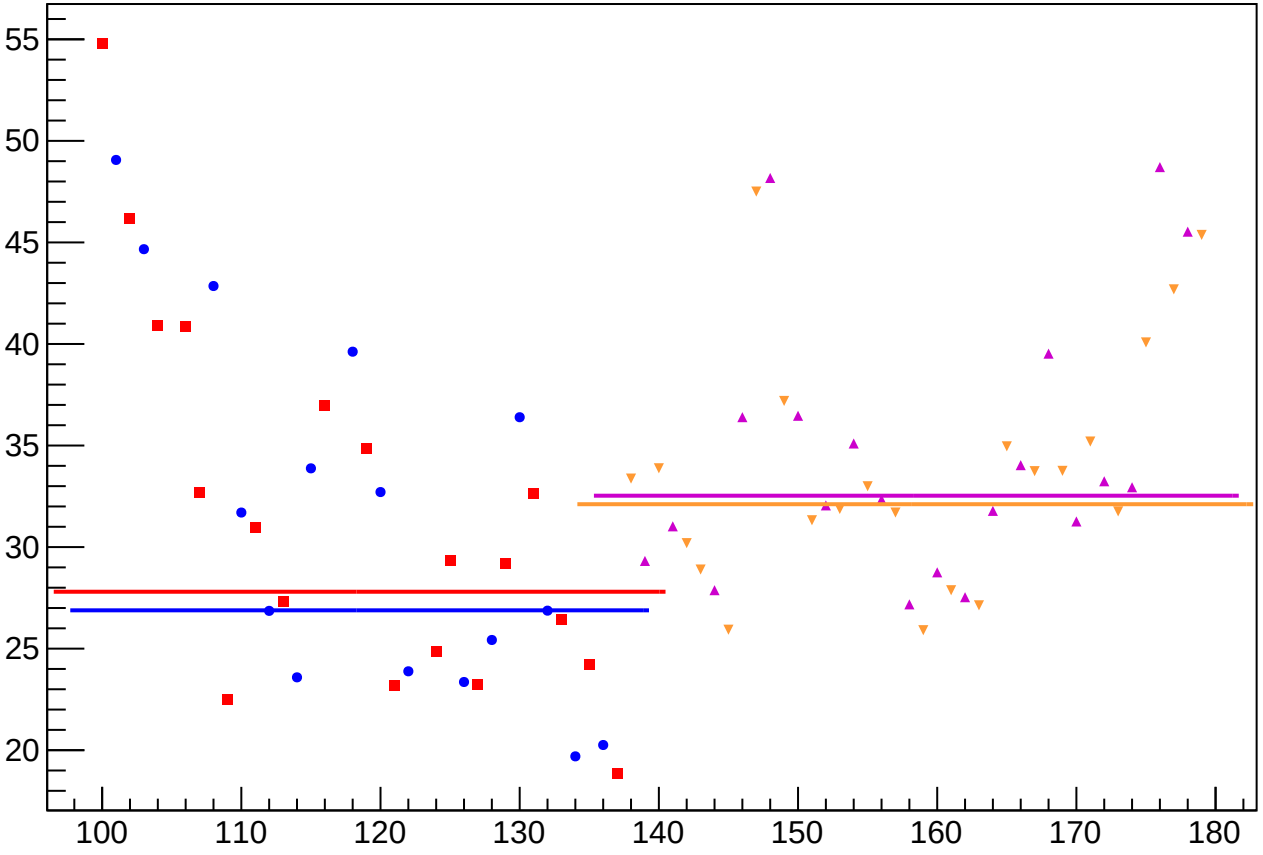
Left In: 0.004+/-0.008 χ^2/NDF:18.1/19

+ sign 0.001+/-0.006 χ^2/NDF: 41.7/37

All: 0.004+/-0.005 χ^2/NDF: 74.7/76

- sign 0.007+/-0.006 χ^2/NDF: 32.5/38

asym_sam_15_dd_dit_vs_cor_diff_rms vs Slug



Right In: 26.886+/-0.007 χ^2/NDF: 1120557.7/15

Left Out: 32.111+/-0.006 χ^2/NDF:839048.2/21

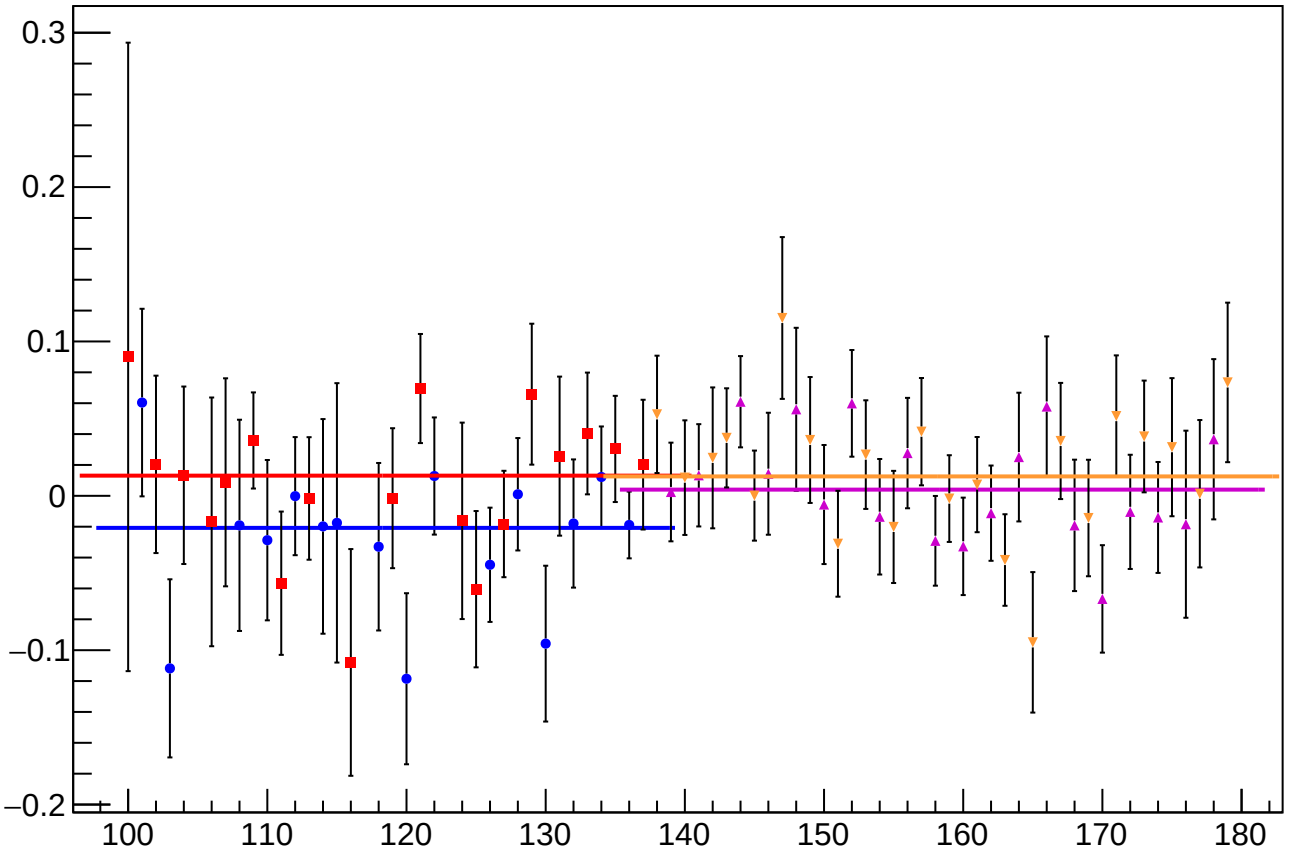
Right Out: 27.802+/-0.007 χ^2/NDF: 763106.1/18

Left In: 32.530+/-0.006 χ^2/NDF:776644.5/19

+ sign 30.246+/-0.004 χ^2/NDF: 2277566.2/37

All: 30.489+/-0.003 χ^2/NDF: 4074092.4/76

- sign 30.747+/-0.005 χ^2/NDF: 1790361.3/38



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.013+/-0.008 χ^2/NDF:22.6/21

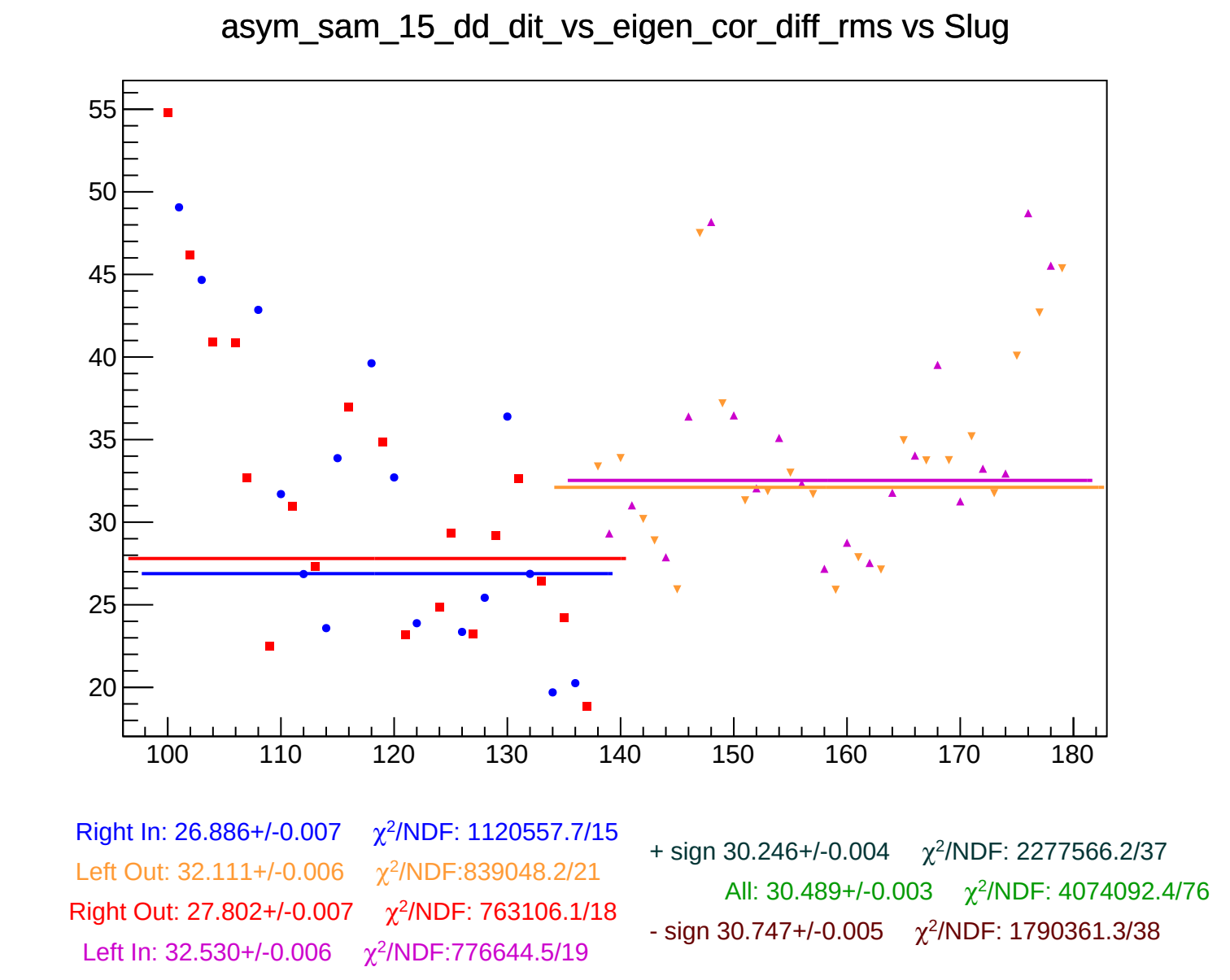
Right Out: 0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: 0.004+/-0.008 χ^2/NDF:18.1/19

+ sign 0.001+/-0.006 χ^2/NDF: 41.7/37

All: 0.004+/-0.005 χ^2/NDF: 74.7/76

- sign 0.007+/-0.006 χ^2/NDF: 32.5/38


asym_sam_15_dd_dit_vs_eigen_cor_diff_rms vs Slug
55
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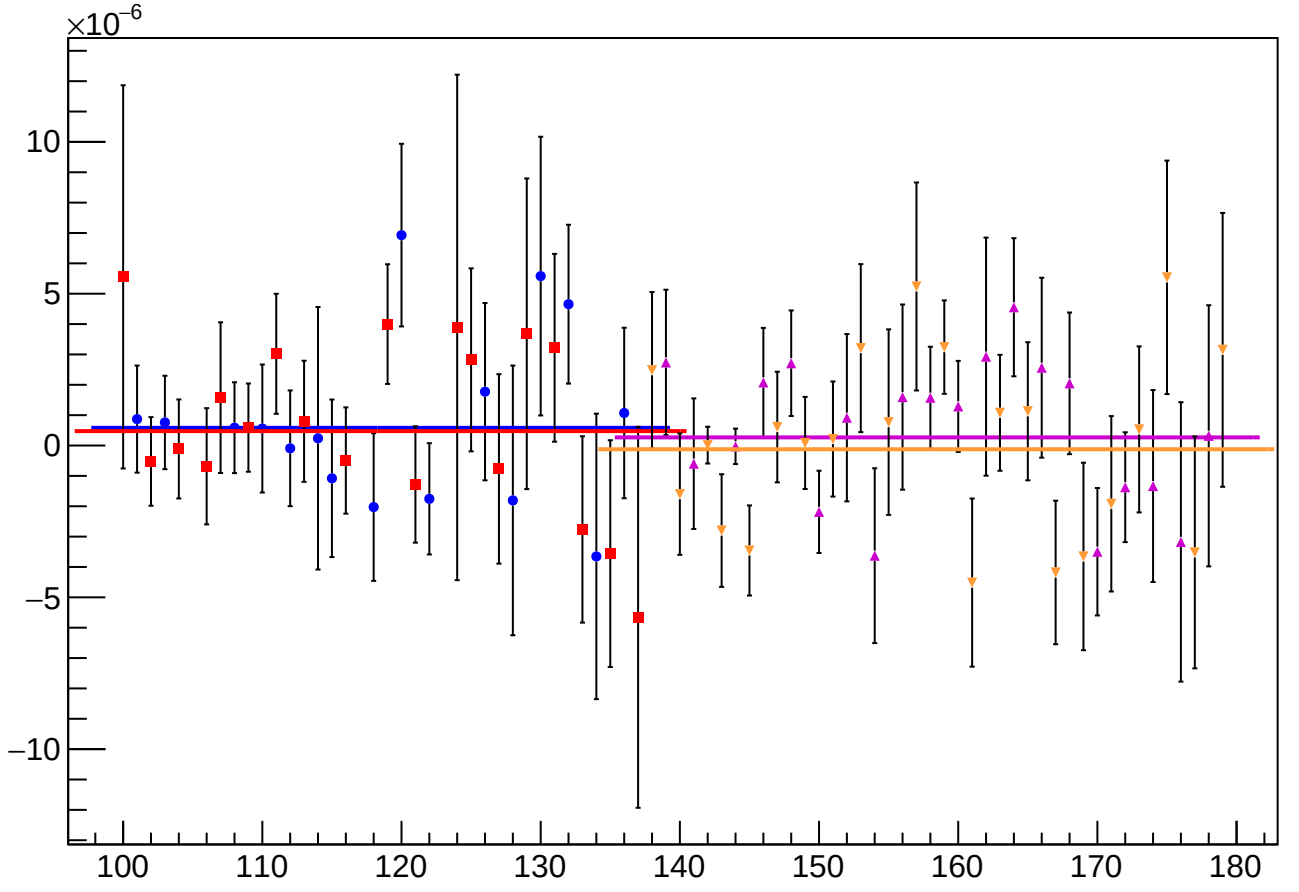
160
170
180
Right In: 26.886+/-0.007 χ²/NDF: 1120557.7/15
Left Out: 32.111+/-0.006 χ²/NDF:839048.2/21
Right Out: 27.802+/-0.007 χ²/NDF: 763106.1/18
Left In: 32.530+/-0.006 χ²/NDF:776644.5/19
+ sign 30.246+/-0.004 χ²/NDF: 2277566.2/37
All: 30.489+/-0.003 χ²/NDF: 4074092.4/76
- sign 30.747+/-0.005 χ²/NDF: 1790361.3/38



Right In: 0.000+/-0.000 χ^2/NDF: 12.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:29.1/21

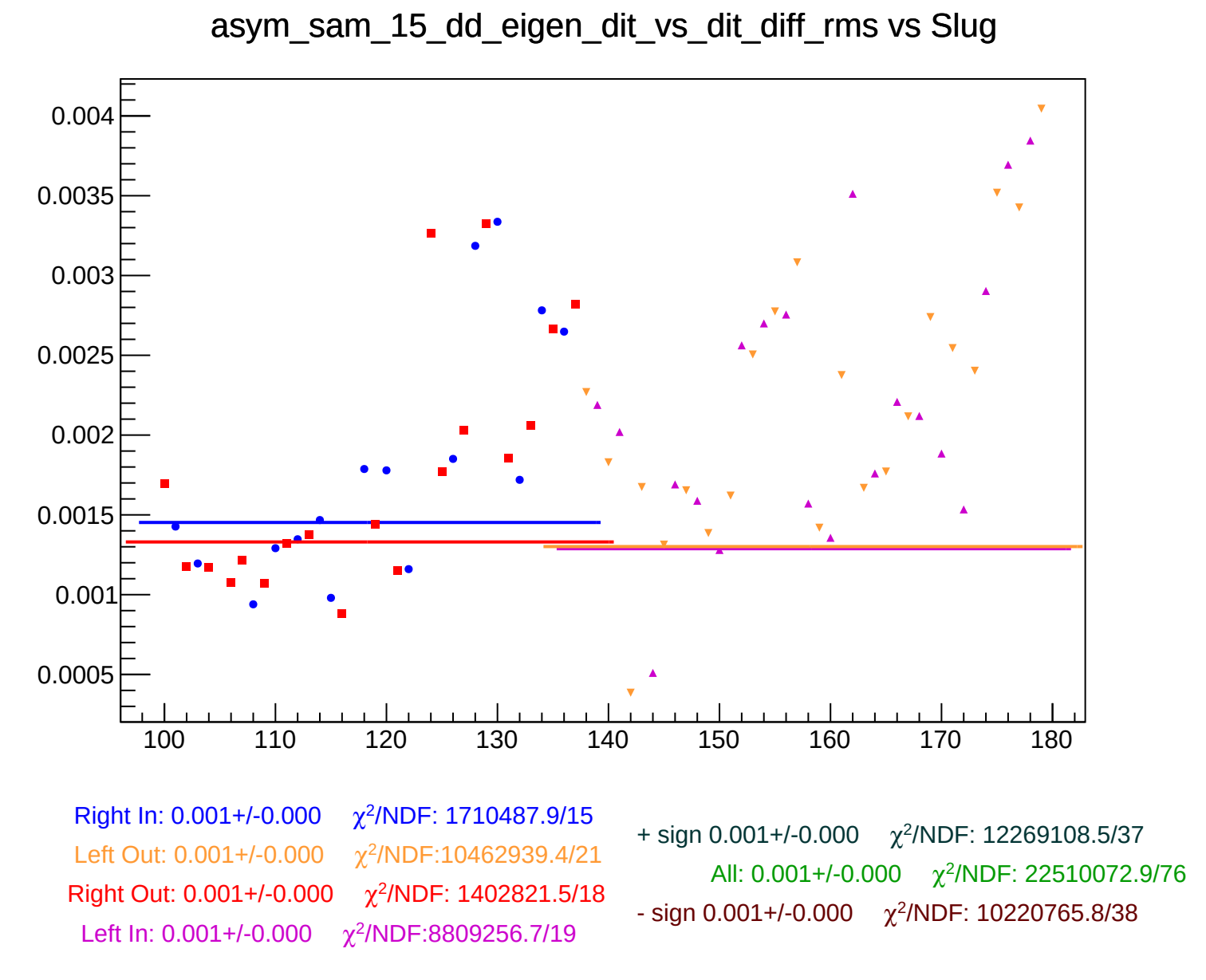
Right Out: 0.000+/-0.000 χ^2/NDF: 13.2/18

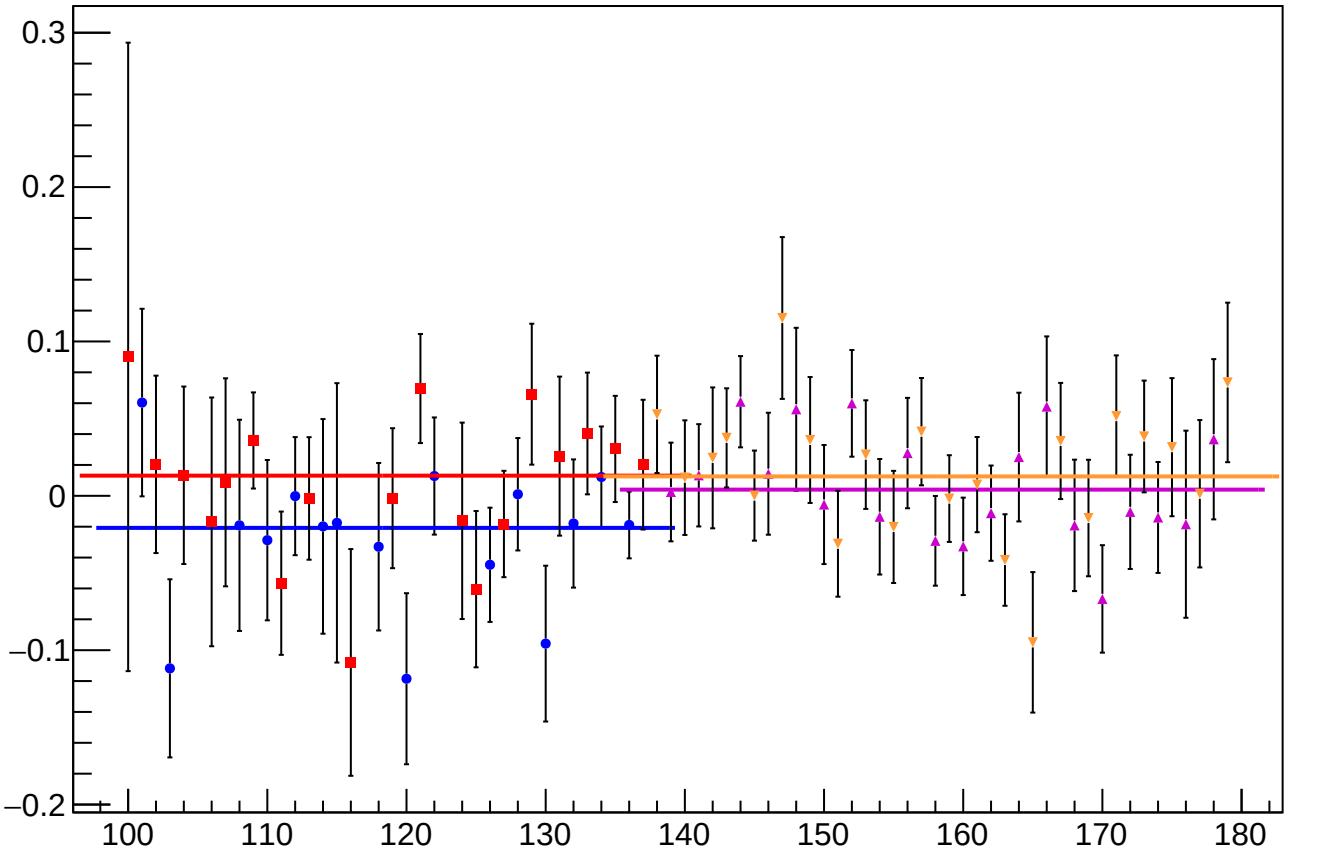
Left In: 0.000+/-0.000 χ^2/NDF:21.0/19

+ sign 0.000+/-0.000 χ^2/NDF: 42.9/37

All: 0.000+/-0.000 χ^2/NDF: 77.5/76

- sign 0.000+/-0.000 χ^2/NDF: 34.3/38


asym_sam_15_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.004
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
150
160
170
180
Right In: 0.001+/-0.000 χ²/NDF: 1710487.9/15
Left Out: 0.001+/-0.000 χ²/NDF:10462939.4/21
Right Out: 0.001+/-0.000 χ²/NDF: 1402821.5/18
Left In: 0.001+/-0.000 χ²/NDF:8809256.7/19
+ sign 0.001+/-0.000 χ²/NDF: 12269108.5/37
All: 0.001+/-0.000 χ²/NDF: 22510072.9/76
- sign 0.001+/-0.000 χ²/NDF: 10220765.8/38



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.013+/-0.008 χ^2/NDF:22.6/21

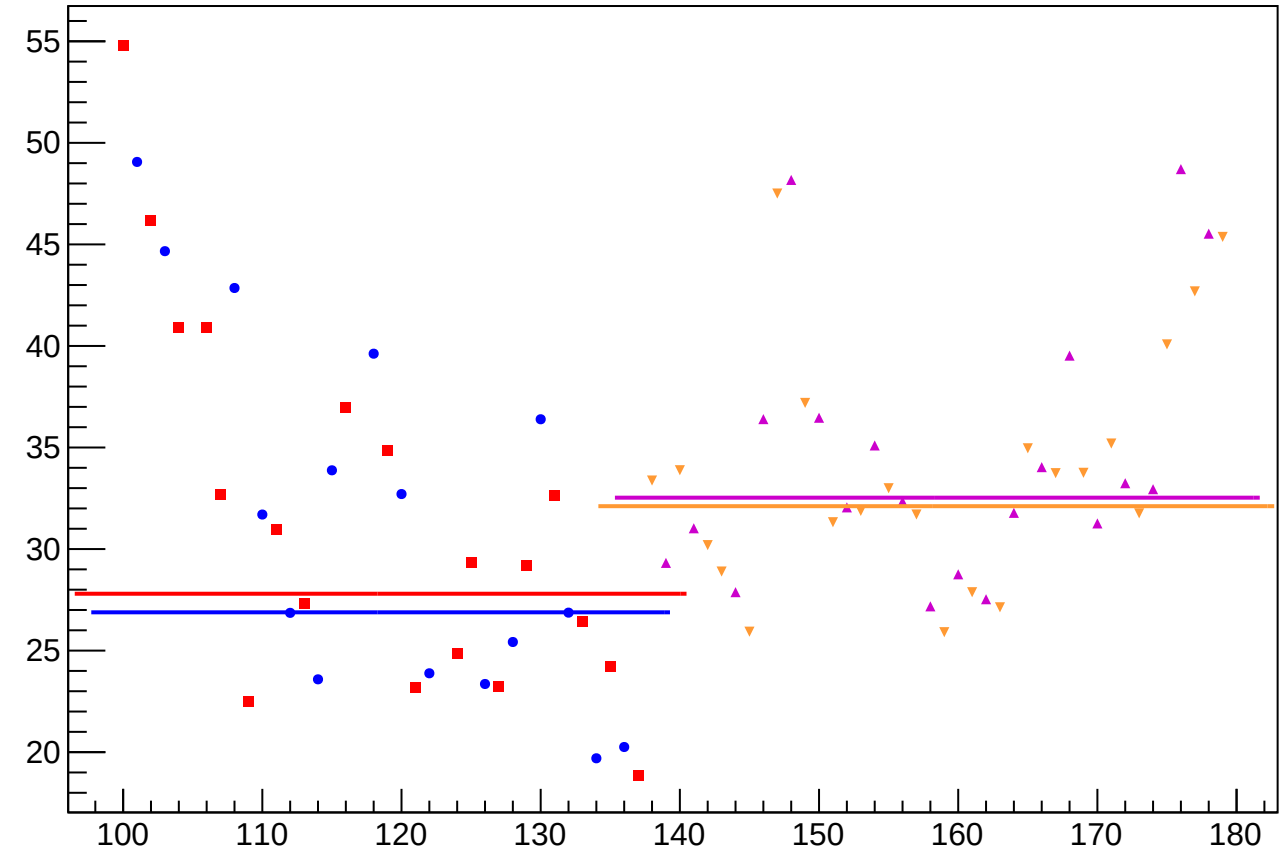
Right Out: 0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: 0.004+/-0.008 χ^2/NDF:18.1/19

+ sign 0.001+/-0.006 χ^2/NDF: 41.7/37

All: 0.004+/-0.005 χ^2/NDF: 74.7/76

- sign 0.007+/-0.006 χ^2/NDF: 32.5/38



Right In: 26.885+/-0.007 χ^2/NDF: 1120567.7/15

Left Out: 32.111+/-0.006 χ^2/NDF:839139.3/21

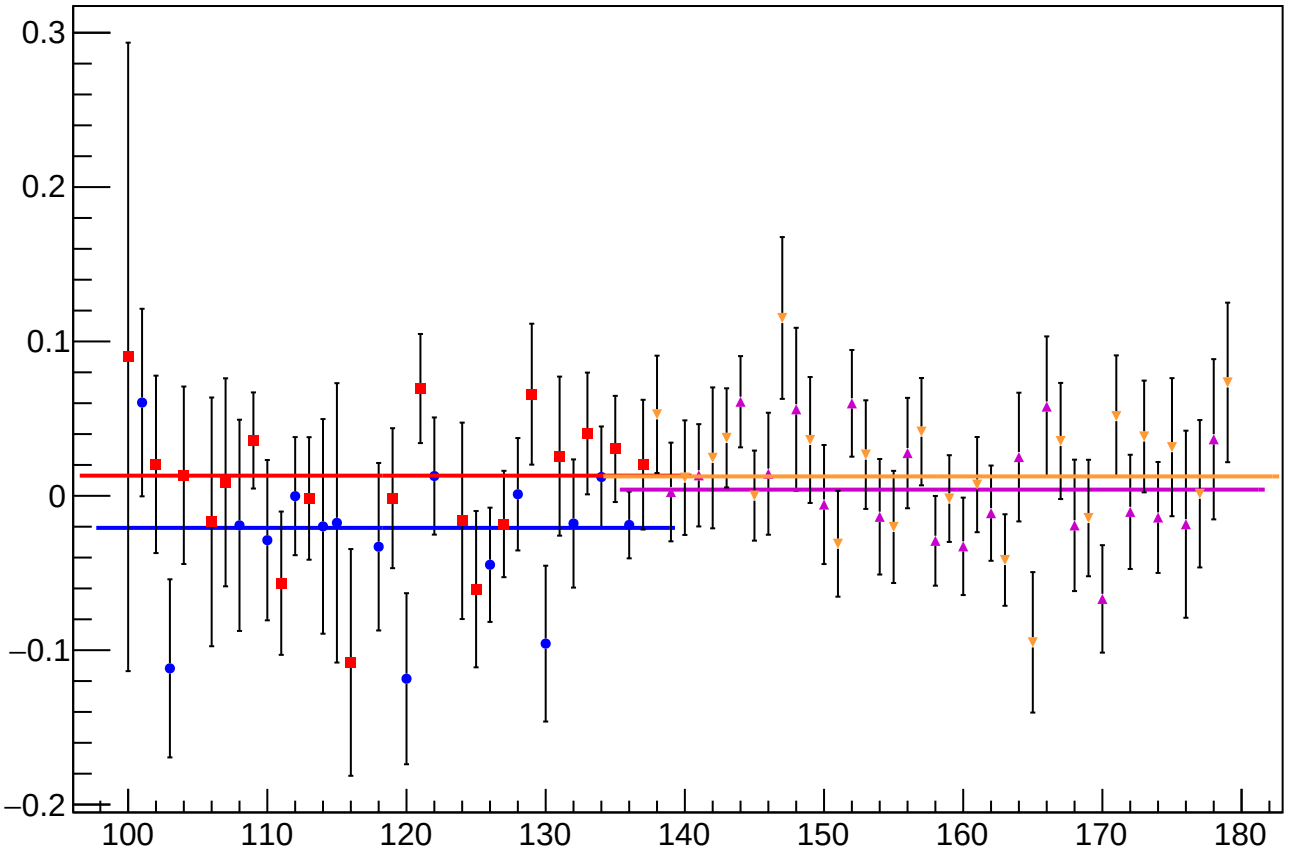
Right Out: 27.800+/-0.007 χ^2/NDF: 763213.5/18

Left In: 32.530+/-0.006 χ^2/NDF:776699.6/19

+ sign 30.246+/-0.004 χ^2/NDF: 2277778.3/37

All: 30.489+/-0.003 χ^2/NDF: 4074621.7/76

- sign 30.746+/-0.005 χ^2/NDF: 1790682.4/38



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.013+/-0.008 χ^2/NDF:22.6/21

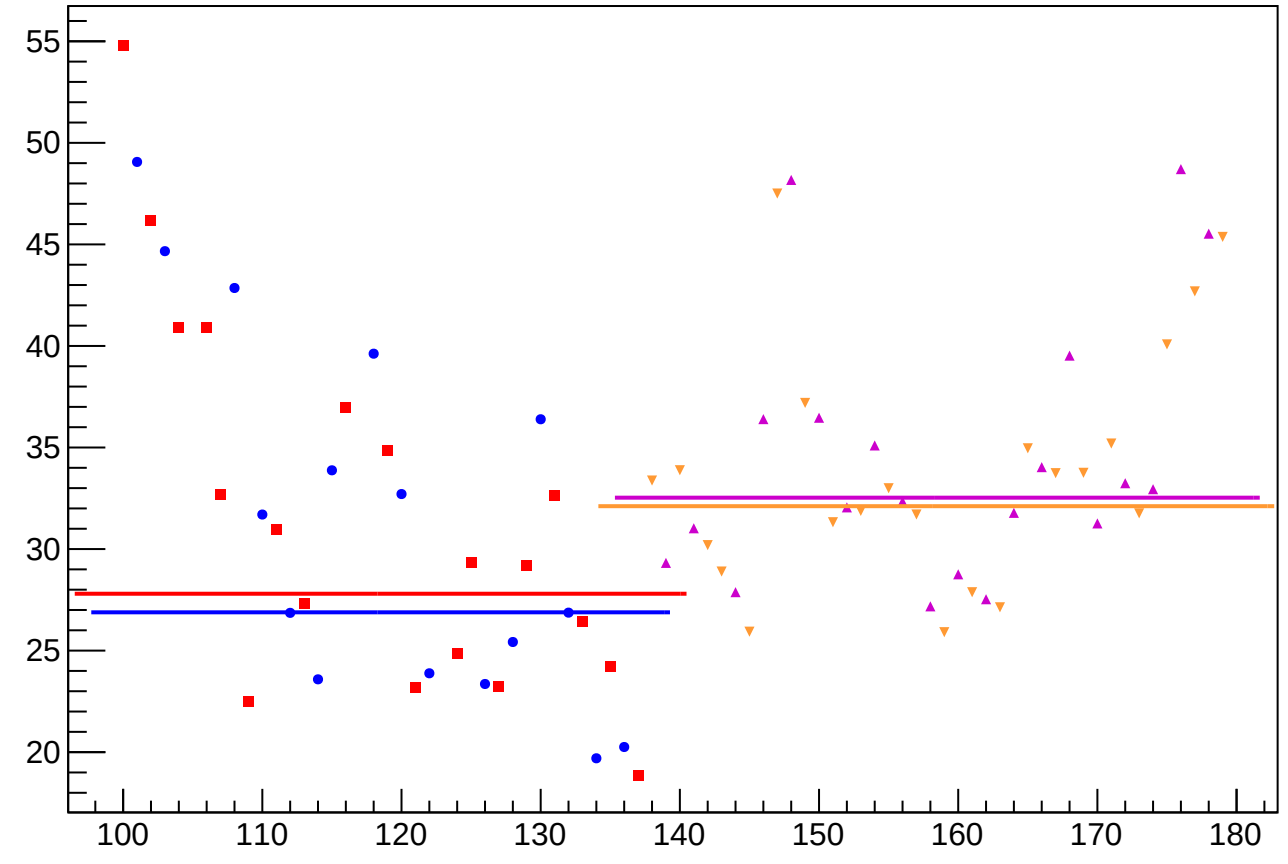
Right Out: 0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: 0.004+/-0.008 χ^2/NDF:18.1/19

+ sign 0.001+/-0.006 χ^2/NDF: 41.7/37

All: 0.004+/-0.005 χ^2/NDF: 74.7/76

- sign 0.007+/-0.006 χ^2/NDF: 32.5/38



Right In: 26.885+/-0.007 χ^2/NDF: 1120567.7/15

Left Out: 32.111+/-0.006 χ^2/NDF:839139.3/21

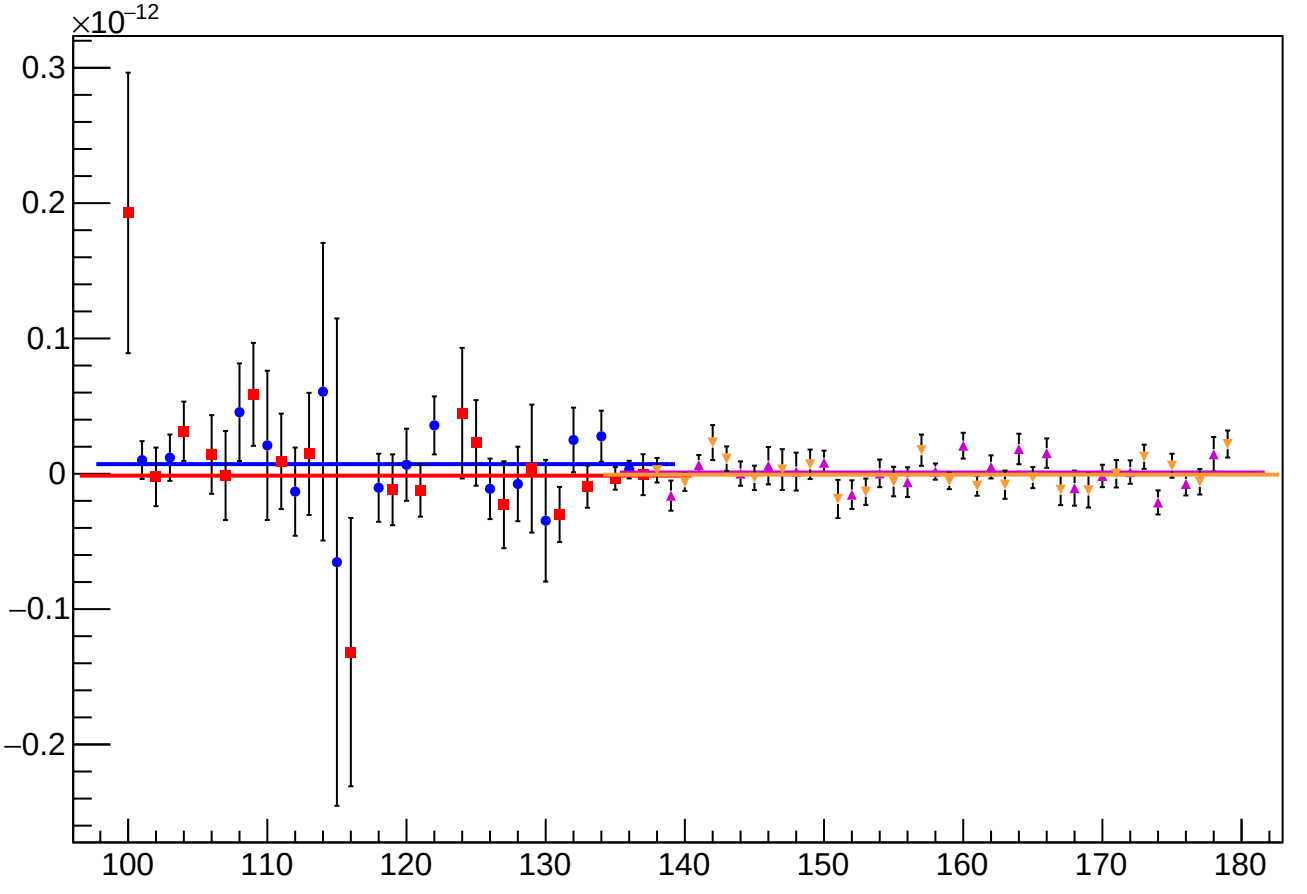
Right Out: 27.800+/-0.007 χ^2/NDF: 763213.5/18

Left In: 32.530+/-0.006 χ^2/NDF:776699.6/19

+ sign 30.246+/-0.004 χ^2/NDF: 2277778.3/37

All: 30.489+/-0.003 χ^2/NDF: 4074621.7/76

- sign 30.746+/-0.005 χ^2/NDF: 1790682.4/38



Right In: 0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:25.0/21

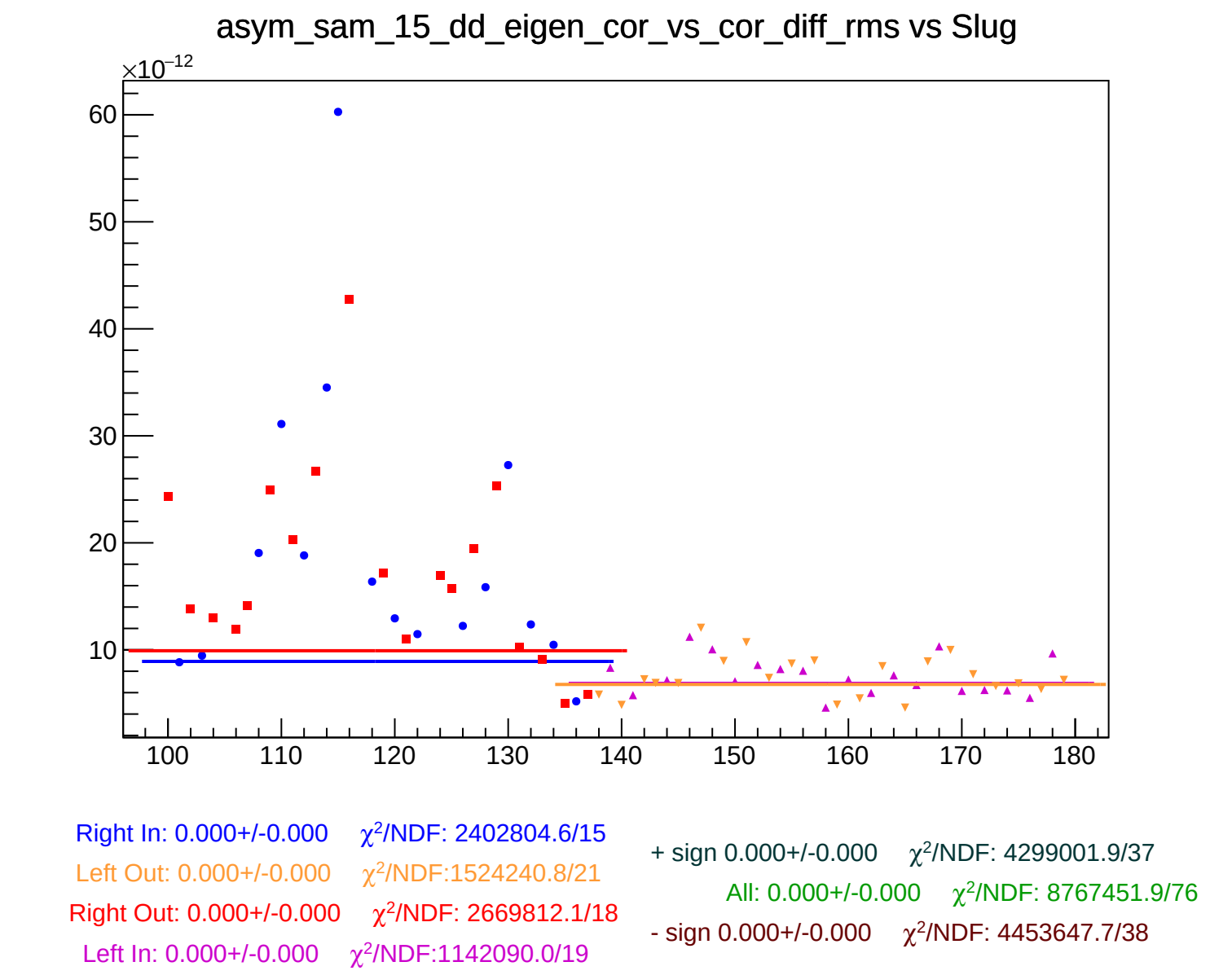
Right Out: -0.000+/-0.000 χ^2/NDF: 15.2/18

Left In: 0.000+/-0.000 χ^2/NDF:24.4/19

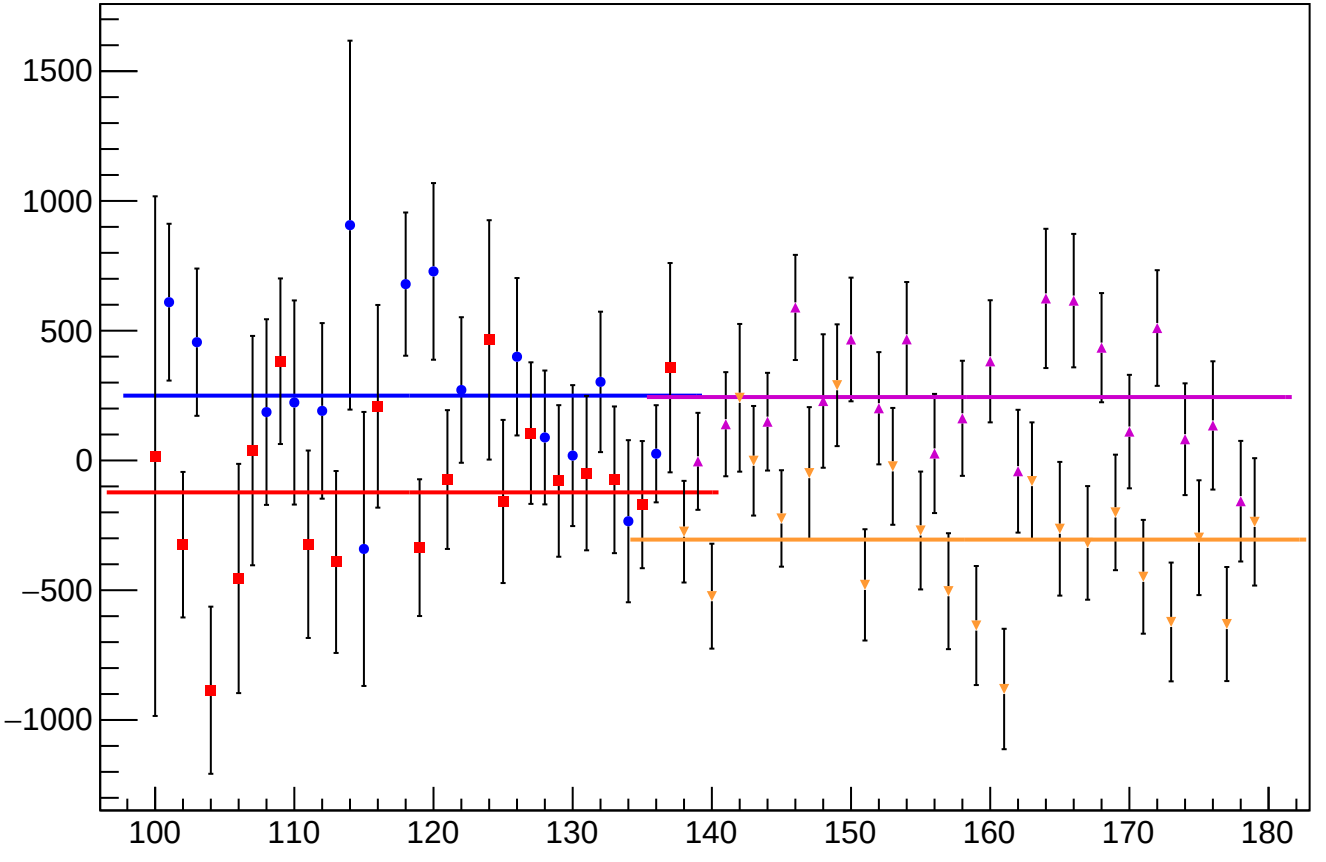
+ sign 0.000+/-0.000 χ^2/NDF: 35.7/37

All: 0.000+/-0.000 χ^2/NDF: 75.6/76

- sign 0.000+/-0.000 χ^2/NDF: 39.8/38


asym_sam_15_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
60
50
40
30
20
10
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2402804.6/15
Left Out: 0.000+/-0.000 χ²/NDF:1524240.8/21
Right Out: 0.000+/-0.000 χ²/NDF: 2669812.1/18
Left In: 0.000+/-0.000 χ²/NDF:1142090.0/19
+ sign 0.000+/-0.000 χ²/NDF: 4299001.9/37
All: 0.000+/-0.000 χ²/NDF: 8767451.9/76
- sign 0.000+/-0.000 χ²/NDF: 4453647.7/38

reg_asym_sam_26_dd_mean vs Slug



Right In: 249.761+/-74.877 χ^2/NDF: 13.8/15

Left Out: -304.934+/-47.690 χ^2/NDF:31.7/21

Right Out: -122.993+/-74.370 χ^2/NDF: 15.6/18

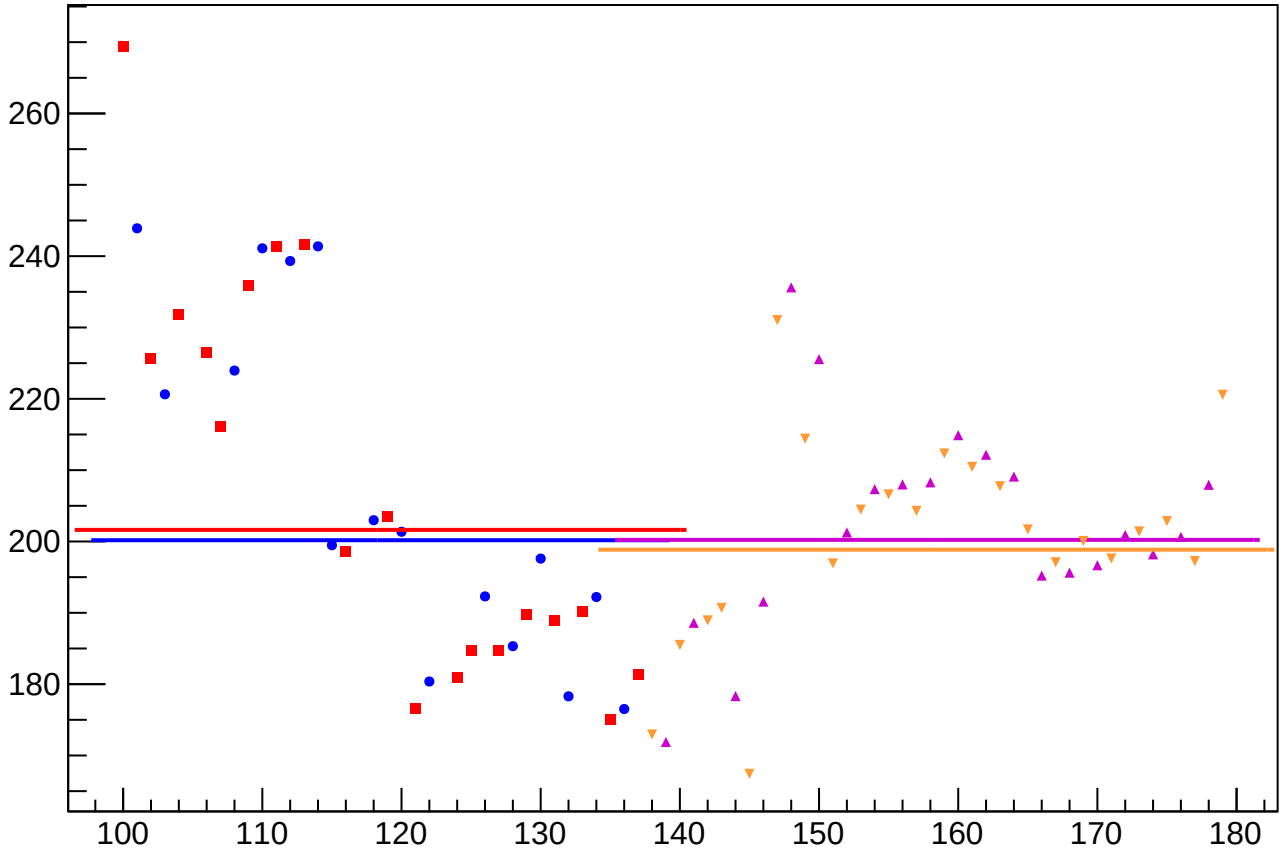
Left In: 244.306+/-49.687 χ^2/NDF:20.4/19

+ sign -144.857+/-40.224 χ^2/NDF: 84.5/37

All: -10.638+/-28.820 χ^2/NDF: 160.2/76

- sign 130.954+/-41.314 χ^2/NDF: 52.8/38

reg_asym_sam_26_dd_rms vs Slug



Right In: 200.177+/-0.053 χ^2/NDF: 181001.3/15

Left Out: 198.849+/-0.034 χ^2/NDF:184261.5/21

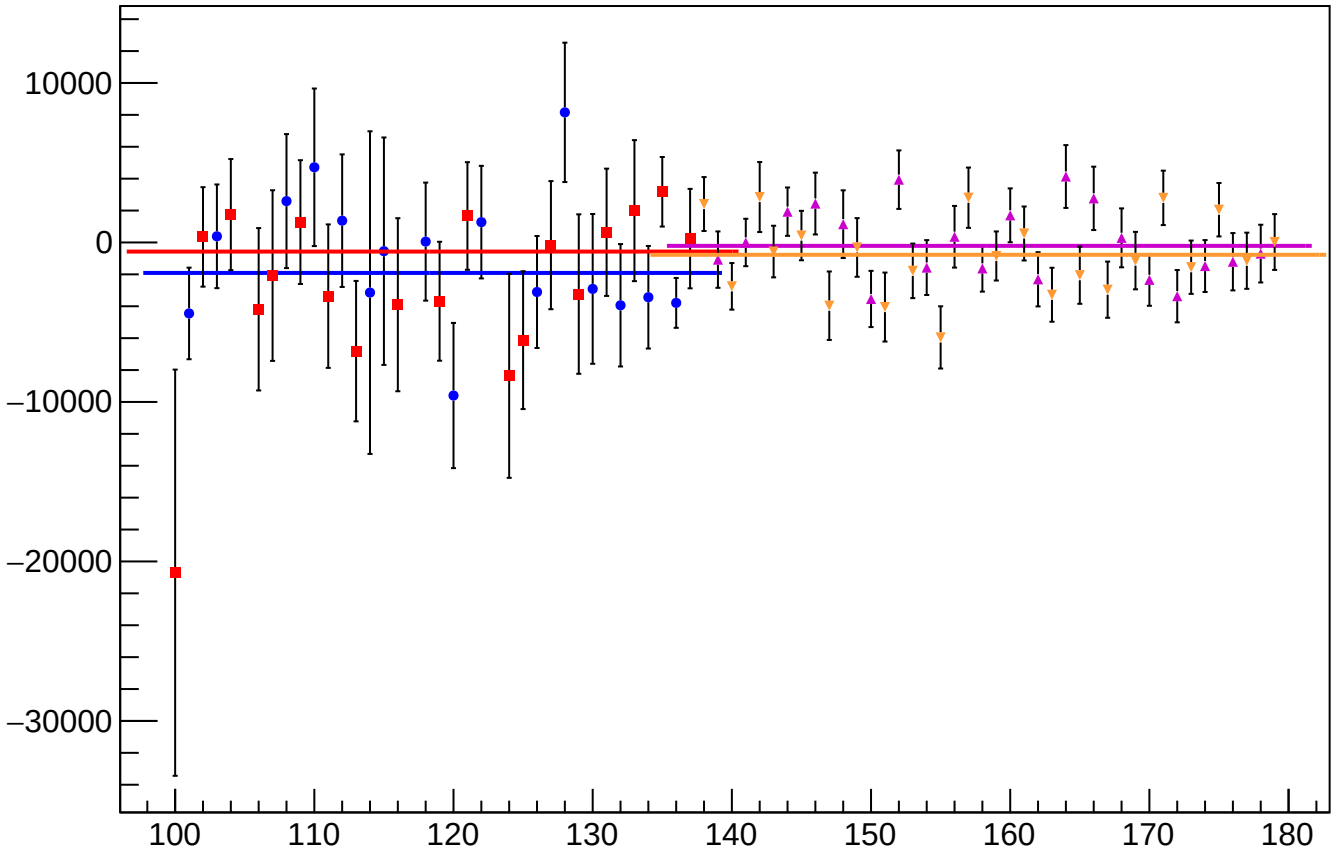
Right Out: 201.627+/-0.053 χ^2/NDF: 197245.7/18

Left In: 200.227+/-0.035 χ^2/NDF:170664.6/19

+ sign 199.232+/-0.028 χ^2/NDF: 365710.5/37

All: 199.926+/-0.020 χ^2/NDF: 735335.7/76

- sign 200.659+/-0.029 χ^2/NDF: 368400.6/38



Right In: -1910.348+/-859.088 χ^2/NDF: 16.3/15

Left Out: -773.484+/-372.584 χ^2/NDF:36.9/21

Right Out: -570.946+/-900.451 χ^2/NDF: 14.6/18

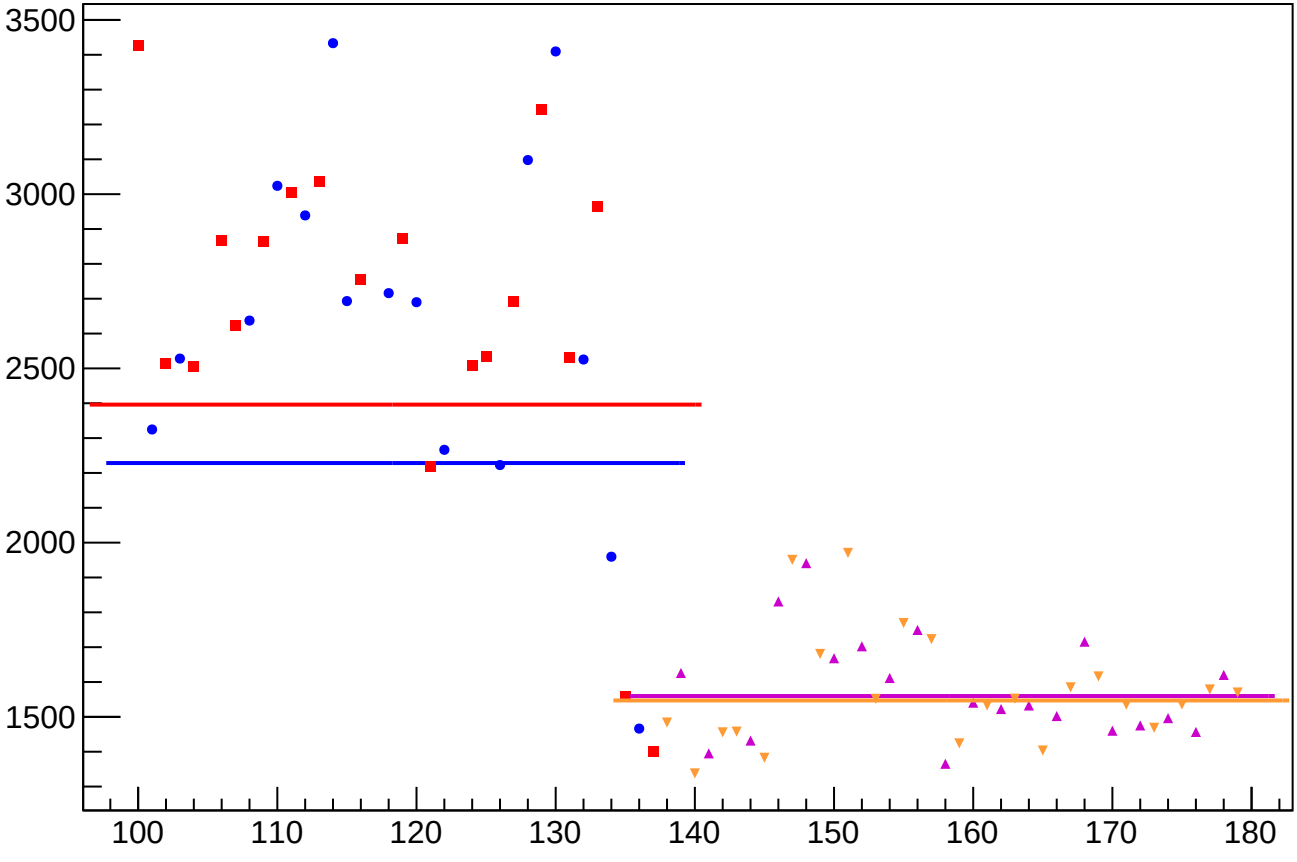
Left In: -213.098+/-388.144 χ^2/NDF:31.3/19

\+ sign -953.466+/-341.821 χ^2/NDF: 54.6/37

All: -625.638+/-246.710 χ^2/NDF: 102.6/76

\- sign -269.171+/-356.439 χ^2/NDF: 46.1/38

asym_sam_26_dd_reg_correction_rms vs Slug



Right In: 2228.431+/-0.607 χ^2/NDF: 947654.8/15

Left Out: 1547.072+/-0.263 χ^2/NDF:312430.7/21

Right Out: 2396.080+/-0.637 χ^2/NDF: 799442.5/18

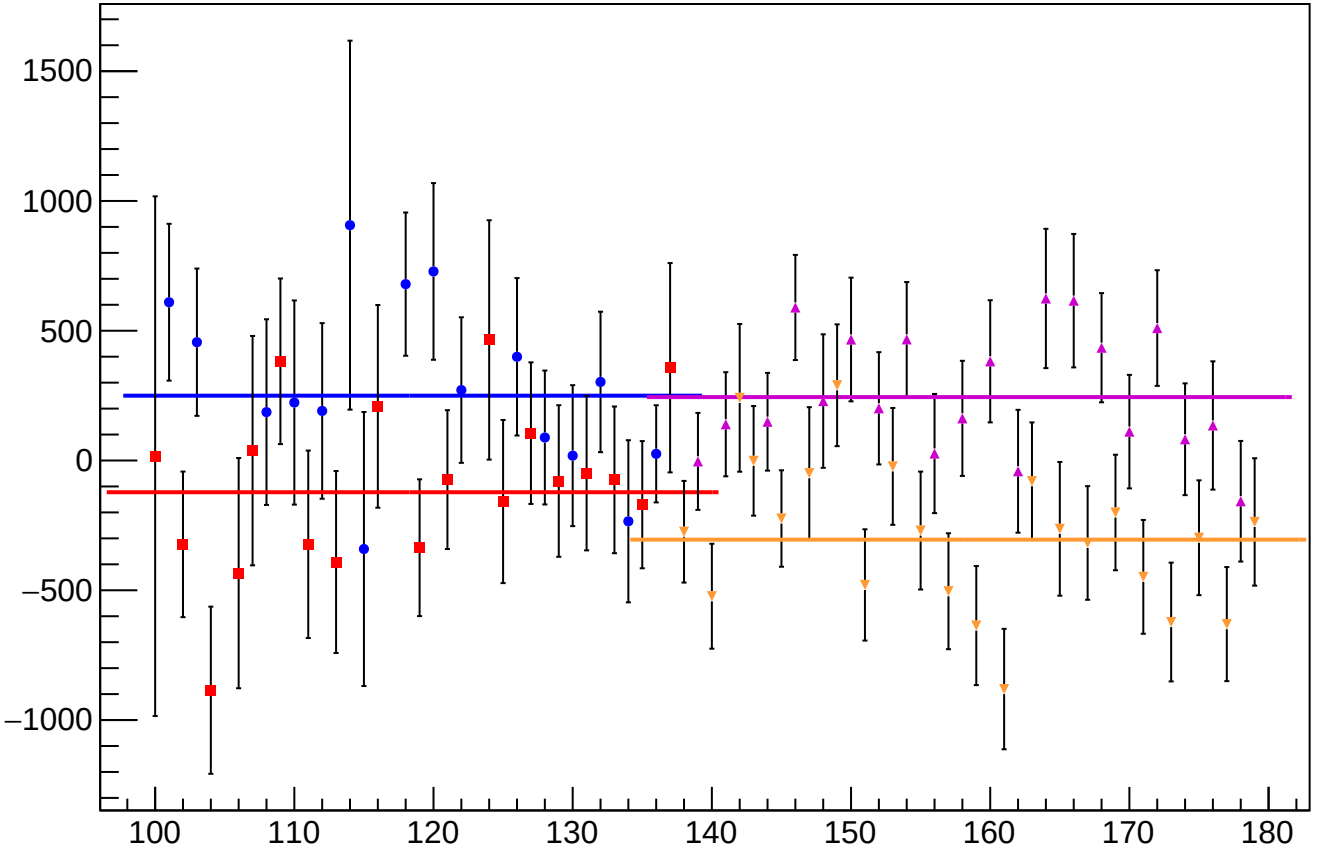
Left In: 1559.808+/-0.274 χ^2/NDF:263915.1/19

+ sign 1654.941+/-0.242 χ^2/NDF: 2318991.1/37

All: 1672.142+/-0.174 χ^2/NDF: 4847675.7/76

- sign 1690.846+/-0.252 χ^2/NDF: 2518113.1/38

cor_asym_sam_26_dd_mean vs Slug



Right In: 249.764+/-74.877 χ^2/NDF: 13.8/15

Left Out: -304.933+/-47.690 χ^2/NDF:31.7/21

Right Out: -122.210+/-74.380 χ^2/NDF: 15.5/18

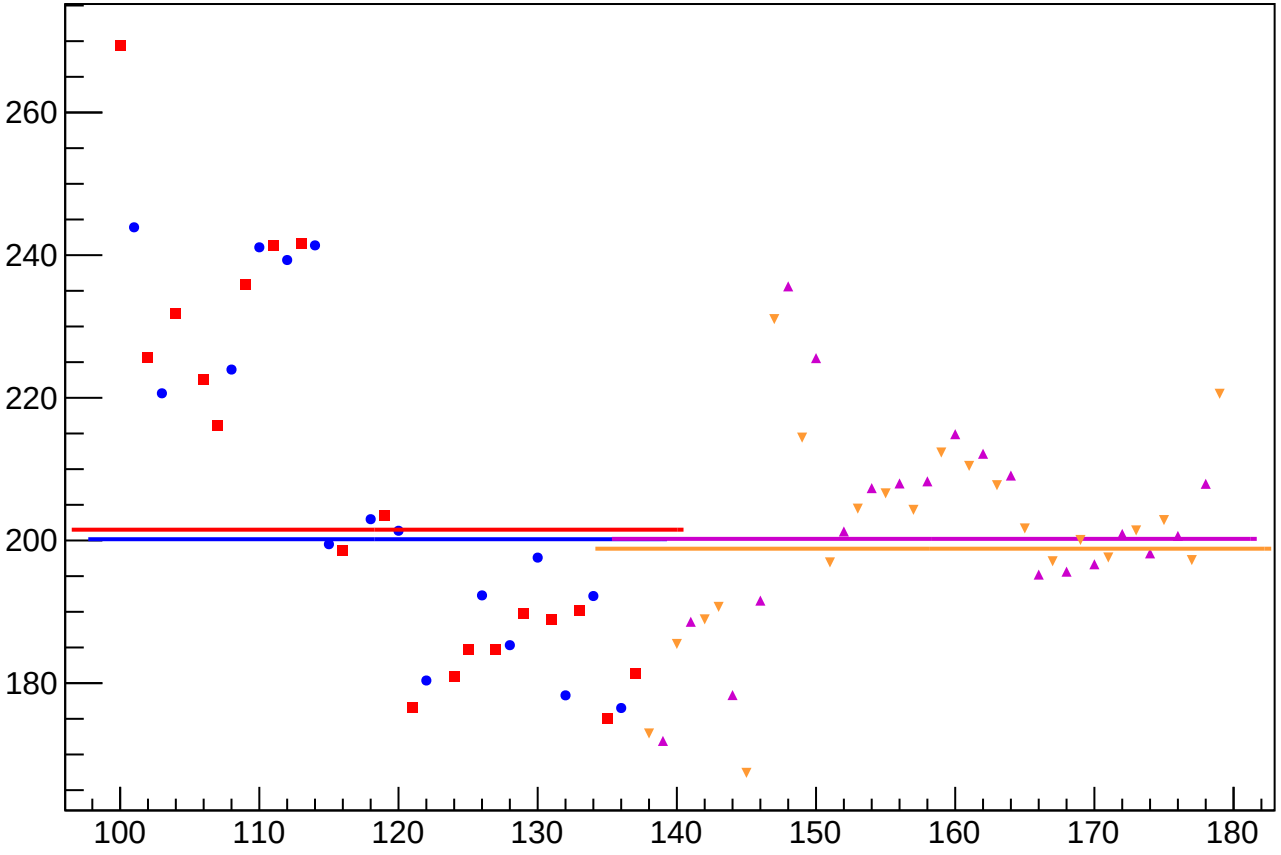
Left In: 244.312+/-49.687 χ^2/NDF:20.4/19

+ sign -144.856+/-40.224 χ^2/NDF: 84.5/37

All: -10.513+/-28.821 χ^2/NDF: 160.1/76

- sign 131.221+/-41.316 χ^2/NDF: 52.7/38

cor_asym_sam_26_dd_rms vs Slug



Right In: 200.177+/-0.053 χ^2/NDF: 181001.6/15

Left Out: 198.849+/-0.034 χ^2/NDF:184261.5/21

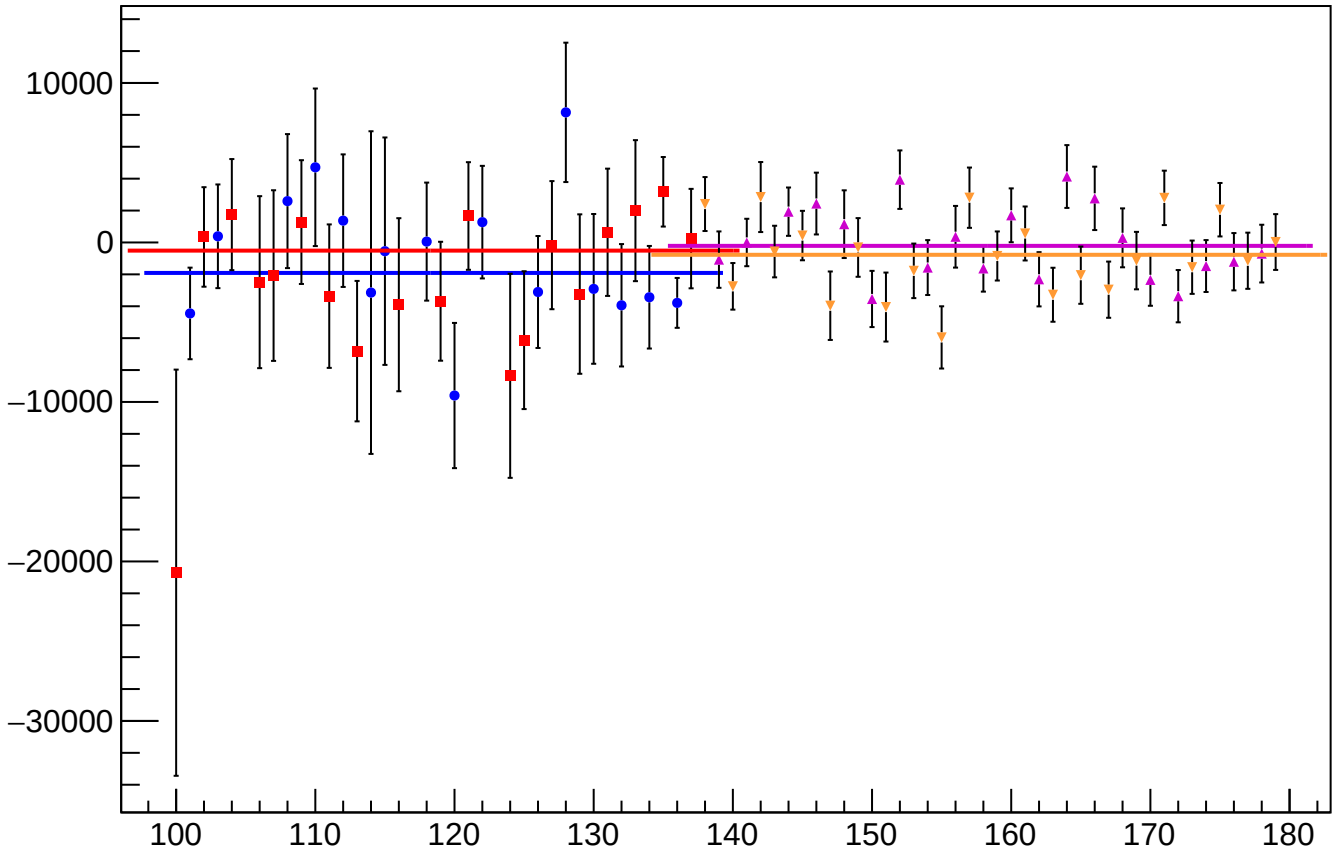
Right Out: 201.514+/-0.053 χ^2/NDF: 195431.2/18

Left In: 200.227+/-0.035 χ^2/NDF:170664.7/19

+ sign 199.232+/-0.028 χ^2/NDF: 365710.8/37

All: 199.909+/-0.020 χ^2/NDF: 733386.5/76

- sign 200.624+/-0.029 χ^2/NDF: 366510.2/38



Right In: -1910.310+/-859.089 χ^2/NDF: 16.3/15

Left Out: -773.488+/-372.584 χ^2/NDF:36.9/21

Right Out: -511.276+/-902.014 χ^2/NDF: 14.2/18

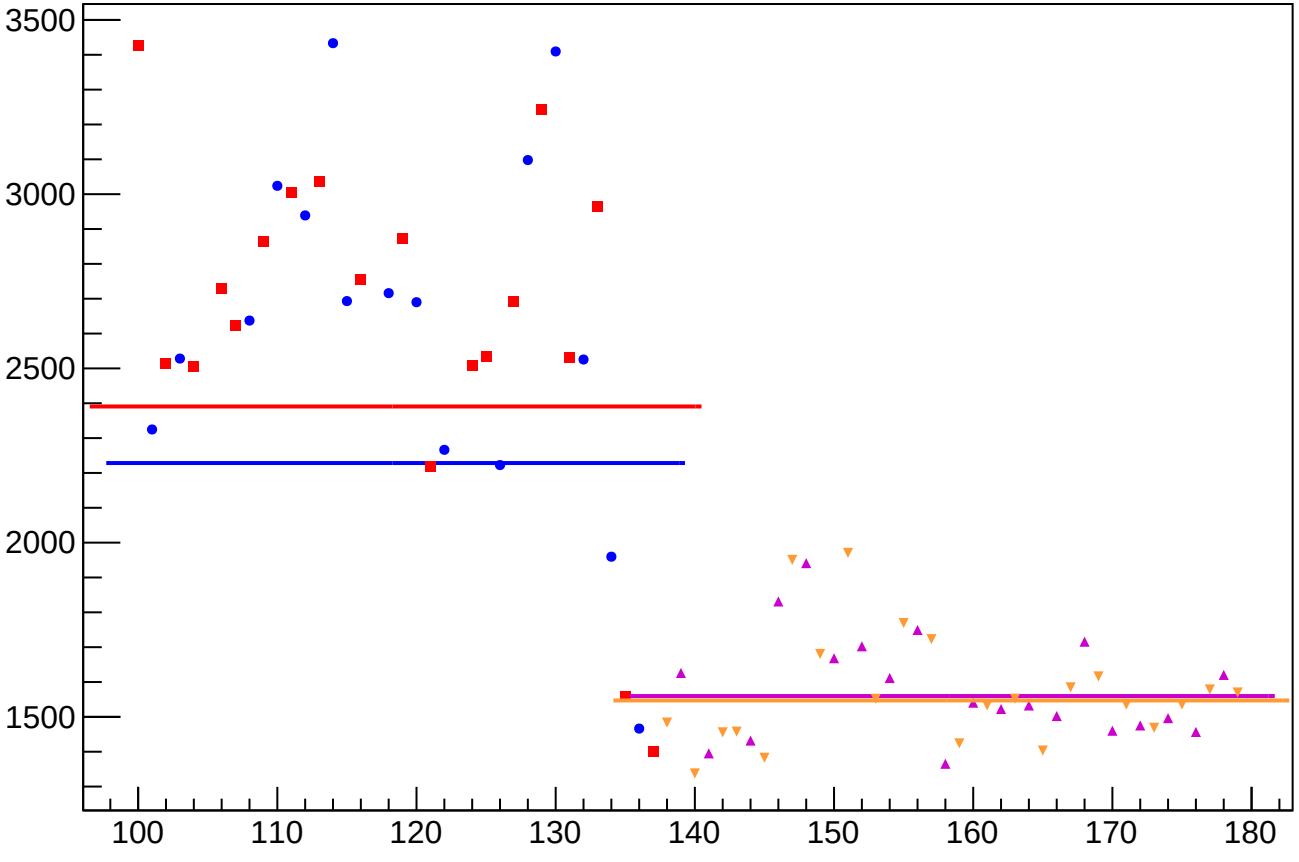
Left In: -213.100+/-388.144 χ^2/NDF:31.3/19

+ sign -953.464+/-341.821 χ^2/NDF: 54.6/37

All: -621.187+/-246.742 χ^2/NDF: 102.2/76

- sign -259.686+/-356.536 χ^2/NDF: 45.6/38

asym_sam_26_dd_cor_correction_rms vs Slug



Right In: 2228.435+/-0.607 χ^2/NDF: 947659.2/15

Left Out: 1547.072+/-0.263 χ^2/NDF:312430.7/21

Right Out: 2390.731+/-0.638 χ^2/NDF: 790004.4/18

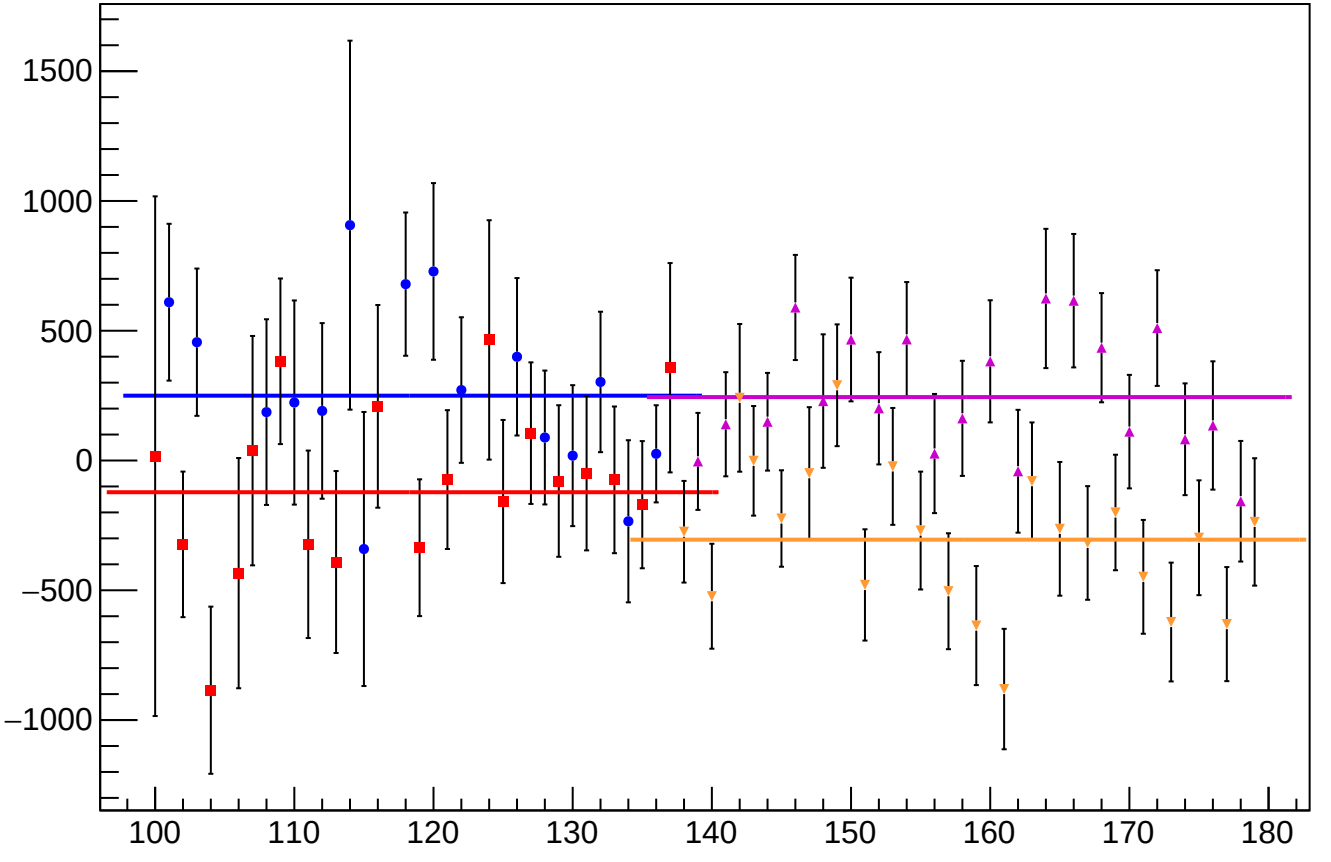
Left In: 1559.808+/-0.274 χ^2/NDF:263917.0/19

+ sign 1654.942+/-0.242 χ^2/NDF: 2319002.9/37

All: 1671.554+/-0.174 χ^2/NDF: 4814797.2/76

- sign 1689.628+/-0.252 χ^2/NDF: 2485931.1/38

eigen_cor_asym_sam_26_dd_mean vs Slug



Right In: 249.764+/-74.877 χ^2/NDF: 13.8/15

Left Out: -304.933+/-47.690 χ^2/NDF:31.7/21

Right Out: -122.210+/-74.380 χ^2/NDF: 15.5/18

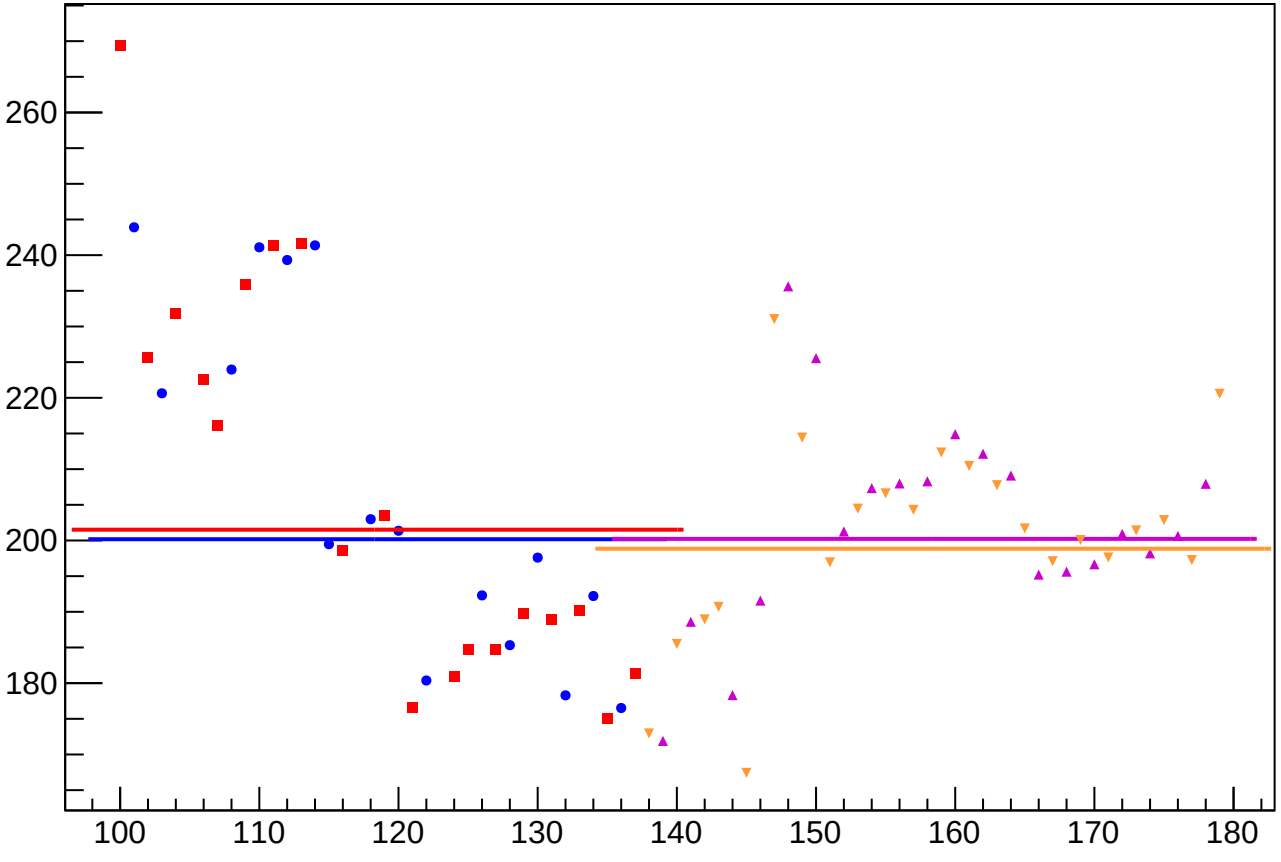
Left In: 244.312+/-49.687 χ^2/NDF:20.4/19

+ sign -144.856+/-40.224 χ^2/NDF: 84.5/37

All: -10.513+/-28.821 χ^2/NDF: 160.1/76

- sign 131.221+/-41.316 χ^2/NDF: 52.7/38

eigen_cor_asym_sam_26_dd_rms vs Slug



Right In: 200.177+/-0.053 χ^2/NDF: 181001.6/15

Left Out: 198.849+/-0.034 χ^2/NDF:184261.5/21

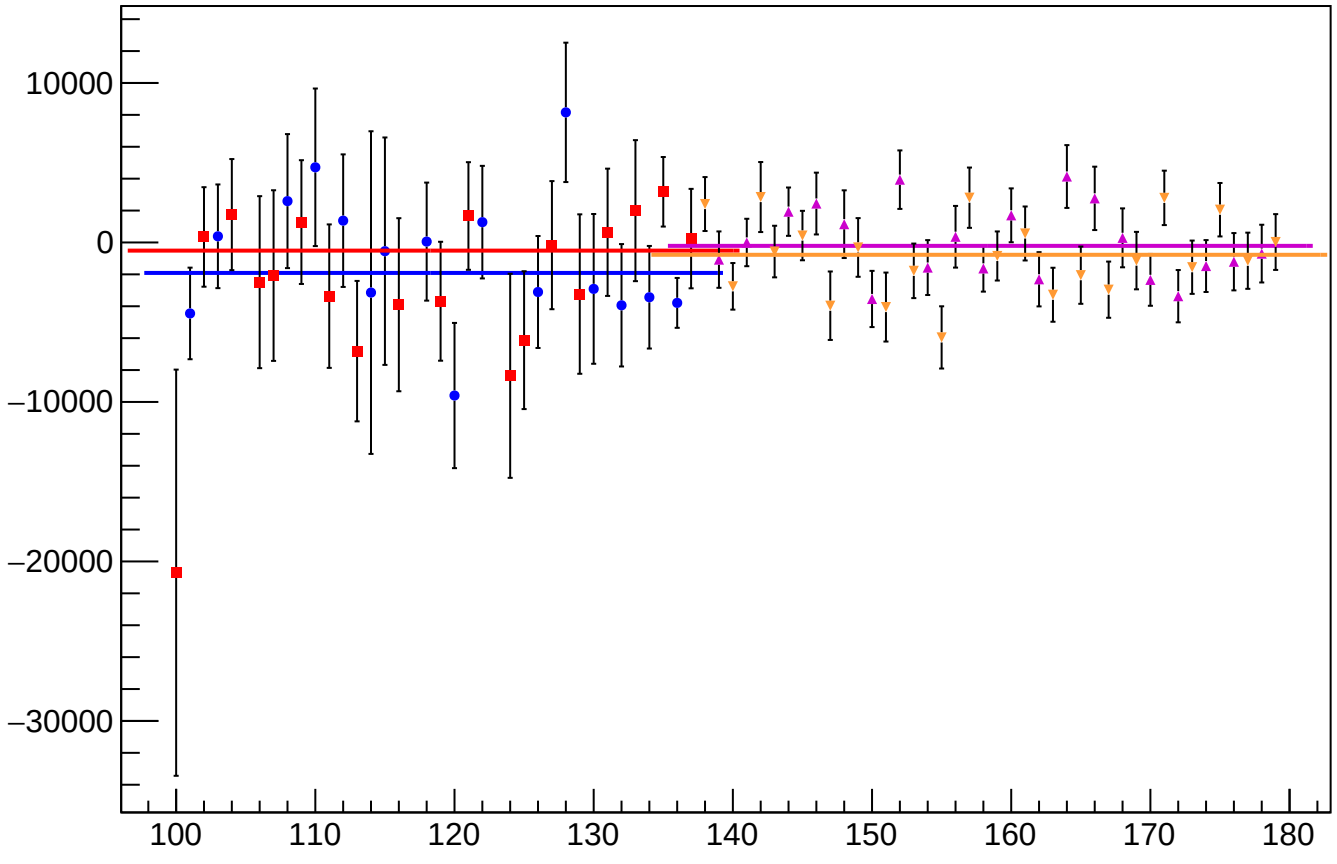
Right Out: 201.514+/-0.053 χ^2/NDF: 195431.2/18

Left In: 200.227+/-0.035 χ^2/NDF:170664.7/19

+ sign 199.232+/-0.028 χ^2/NDF: 365710.8/37

All: 199.909+/-0.020 χ^2/NDF: 733386.5/76

- sign 200.624+/-0.029 χ^2/NDF: 366510.2/38



Right In: -1910.310+/-859.089 χ^2/NDF: 16.3/15

Left Out: -773.488+/-372.584 χ^2/NDF:36.9/21

Right Out: -511.276+/-902.014 χ^2/NDF: 14.2/18

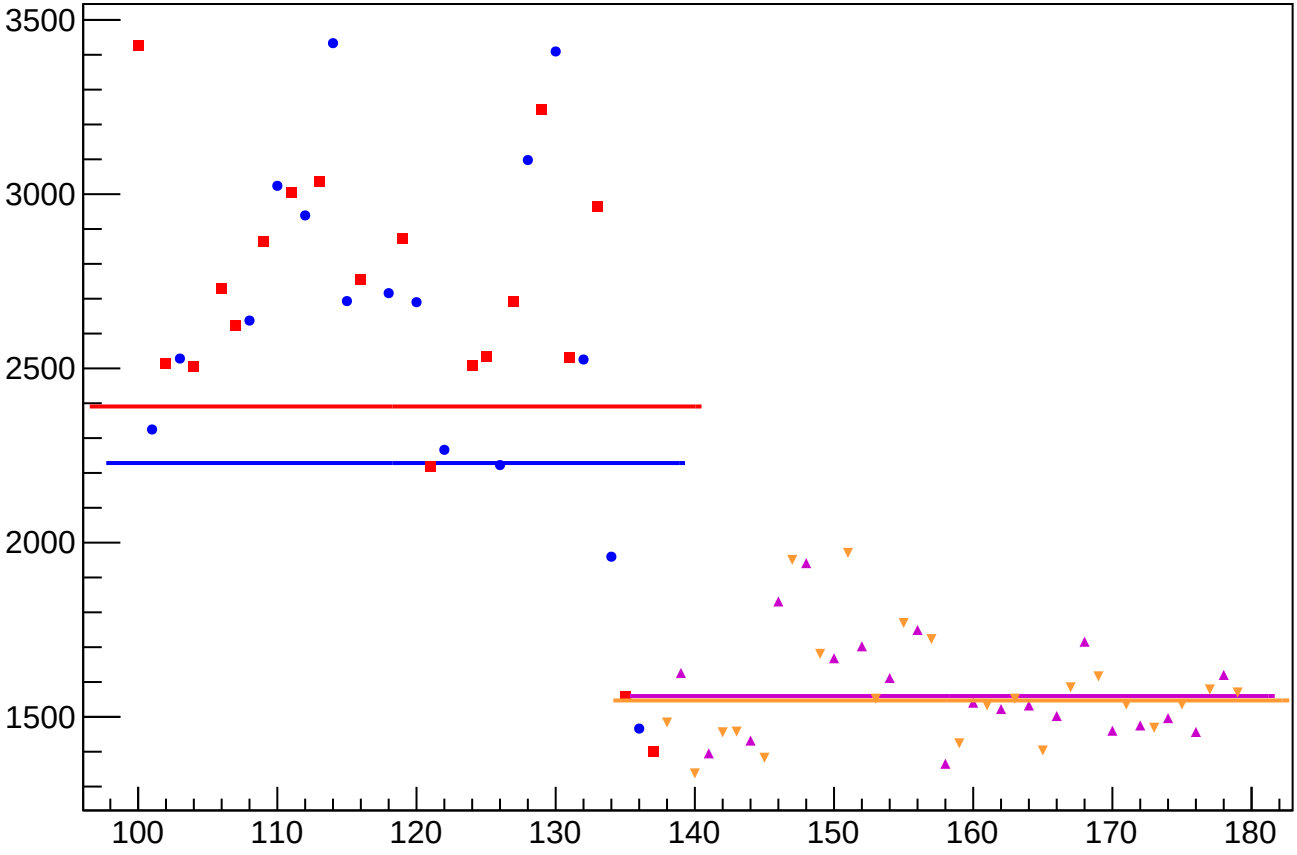
Left In: -213.100+/-388.144 χ^2/NDF:31.3/19

+ sign -953.464+/-341.821 χ^2/NDF: 54.6/37

All: -621.187+/-246.742 χ^2/NDF: 102.2/76

- sign -259.686+/-356.536 χ^2/NDF: 45.6/38

asym_sam_26_dd_eigen_cor_correction_rms vs Slug



Right In: 2228.435+/-0.607 χ^2/NDF: 947659.2/15

Left Out: 1547.072+/-0.263 χ^2/NDF:312430.7/21

Right Out: 2390.731+/-0.638 χ^2/NDF: 790004.4/18

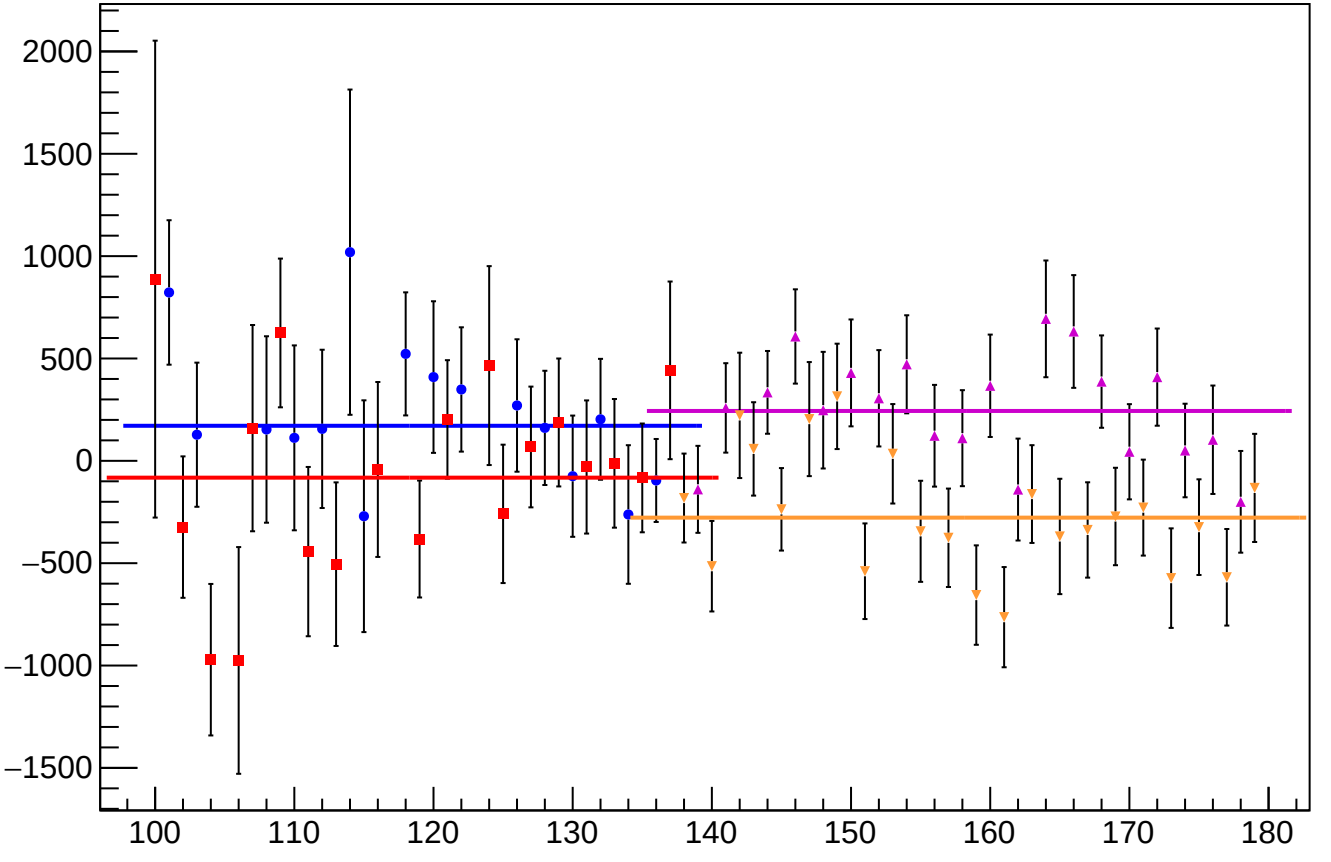
Left In: 1559.808+/-0.274 χ^2/NDF:263917.0/19

+ sign 1654.942+/-0.242 χ^2/NDF: 2319002.9/37

All: 1671.554+/-0.174 χ^2/NDF: 4814797.2/76

- sign 1689.628+/-0.252 χ^2/NDF: 2485931.1/38

dit_asym_sam_26_dd_mean vs Slug



Right In: 171.258+/-83.116 χ^2/NDF: 11.5/15

Left Out: -277.477+/-51.386 χ^2/NDF:27.8/21

Right Out: -82.152+/-82.545 χ^2/NDF: 21.6/18

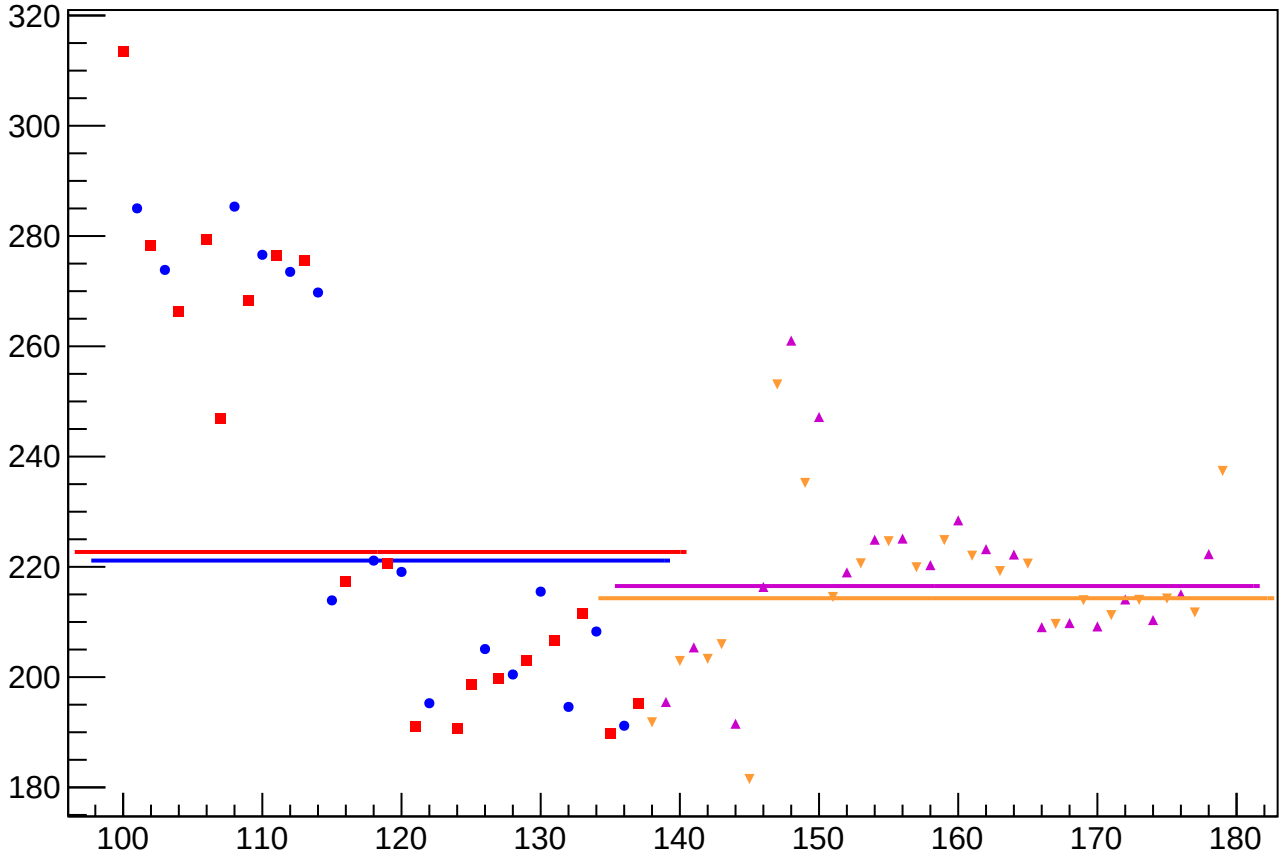
Left In: 243.661+/-53.733 χ^2/NDF:20.9/19

+ sign -153.389+/-43.707 χ^2/NDF: 60.4/37

All: -7.828+/-31.364 χ^2/NDF: 136.7/76

- sign 146.692+/-45.032 χ^2/NDF: 53.5/38

dit_asym_sam_26_dd_rms vs Slug



Right In: 221.139+/-0.059 χ^2/NDF: 318702.0/15

Left Out: 214.311+/-0.036 χ^2/NDF:167136.8/21

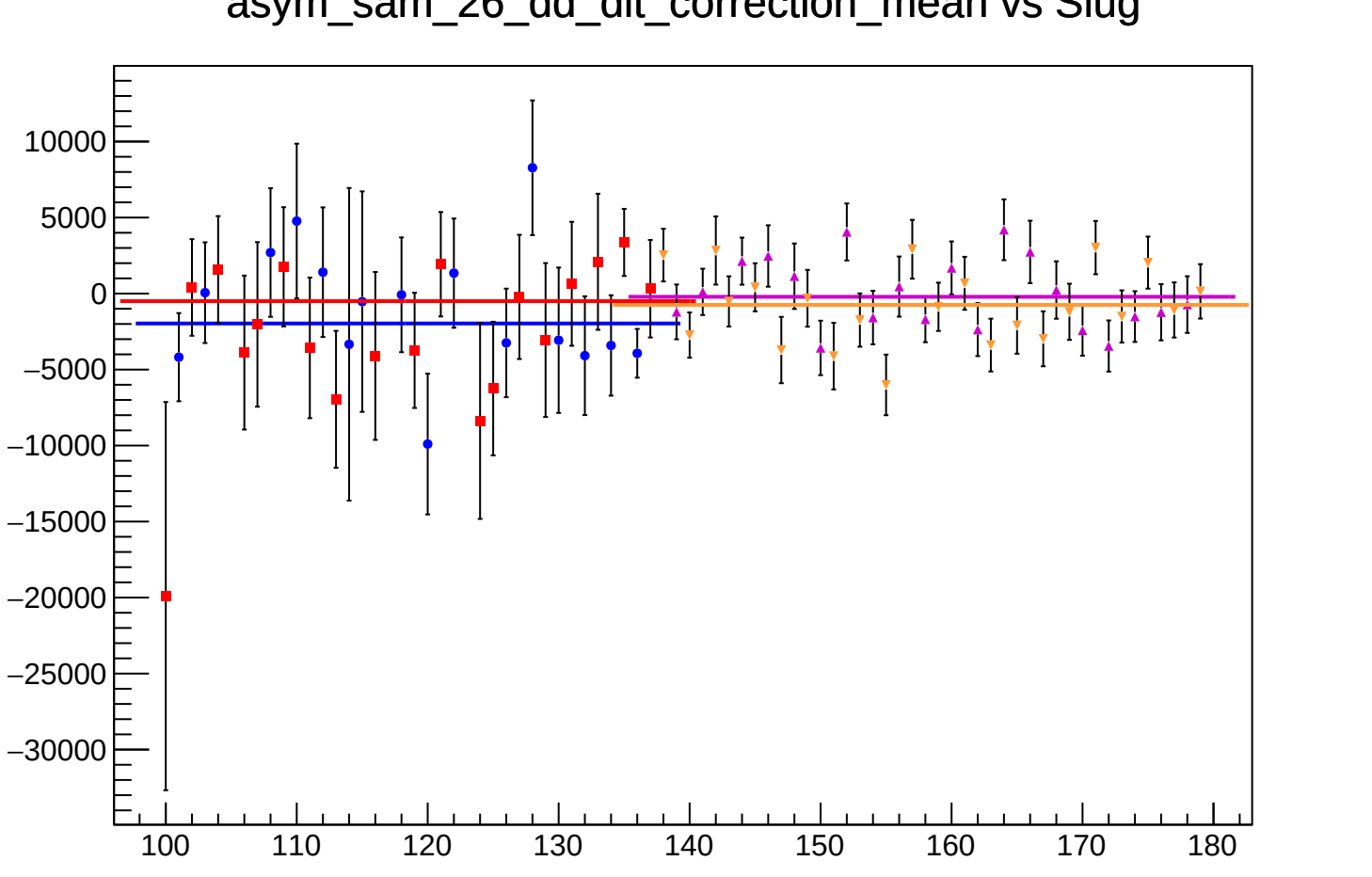
Right Out: 222.697+/-0.058 χ^2/NDF: 327032.3/18

Left In: 216.517+/-0.038 χ^2/NDF:152109.2/19

\+ sign 216.199+/-0.031 χ^2/NDF: 495603.6/37

All: 217.245+/-0.022 χ^2/NDF: 984983.6/76

\- sign 218.356+/-0.032 χ^2/NDF: 487017.6/38



Right In: -1967.414+/-876.610 χ^2/NDF: 16.2/15

Left Out: -743.891+/-381.675 χ^2/NDF:36.4/21

Right Out: -497.281+/-914.759 χ^2/NDF: 14.8/18

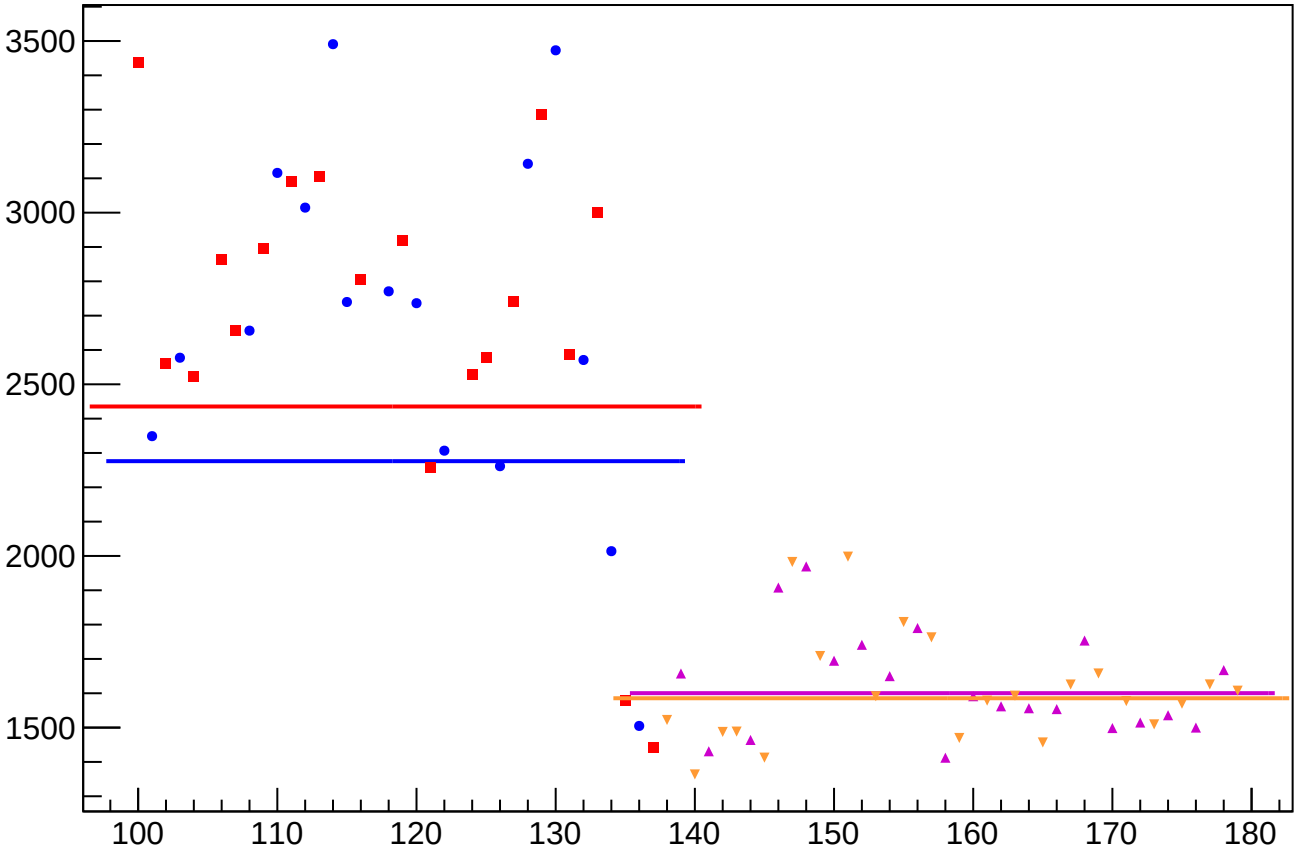
Left In: -213.183+/-398.119 χ^2/NDF:31.3/19

\+ sign -938.874+/-349.944 χ^2/NDF: 54.2/37

All: -613.015+/-252.618 χ^2/NDF: 102.2/76

\- sign -258.426+/-365.045 χ^2/NDF: 46.2/38

asym_sam_26_dd_dit_correction_rms vs Slug



Right In: 2276.134+/-0.620 χ^2/NDF: 926982.8/15

Left Out: 1585.485+/-0.270 χ^2/NDF:298919.5/21

Right Out: 2435.354+/-0.647 χ^2/NDF: 791515.5/18

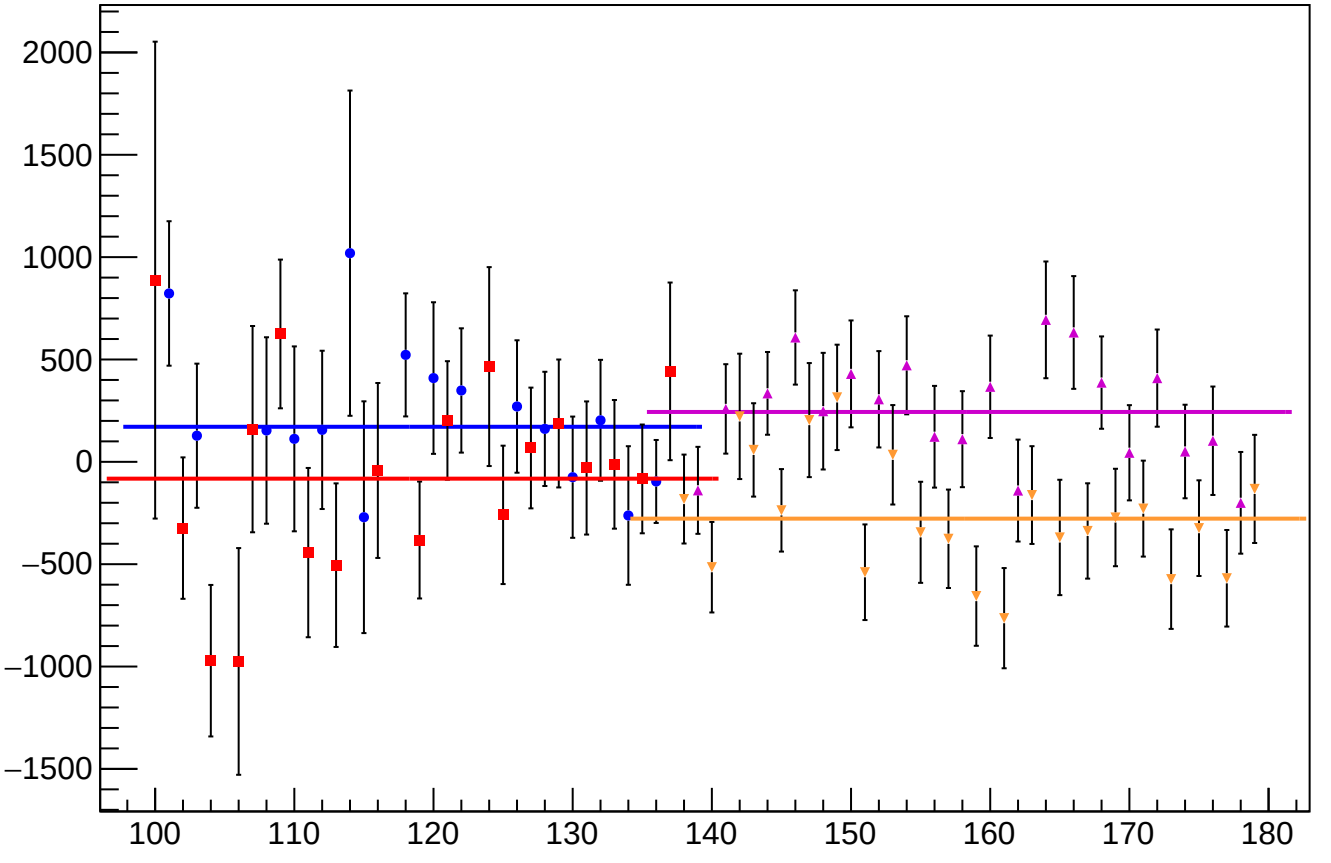
Left In: 1600.312+/-0.282 χ^2/NDF:255674.1/19

+ sign 1695.548+/-0.247 χ^2/NDF: 2269520.4/37

All: 1713.624+/-0.179 χ^2/NDF: 4729052.6/76

- sign 1733.293+/-0.258 χ^2/NDF: 2448389.9/38

eigen_dit_asym_sam_26_dd_mean vs Slug



Right In: 171.260+/-83.115 χ^2/NDF: 11.5/15

Left Out: -277.480+/-51.386 χ^2/NDF:27.8/21

Right Out: -82.150+/-82.545 χ^2/NDF: 21.6/18

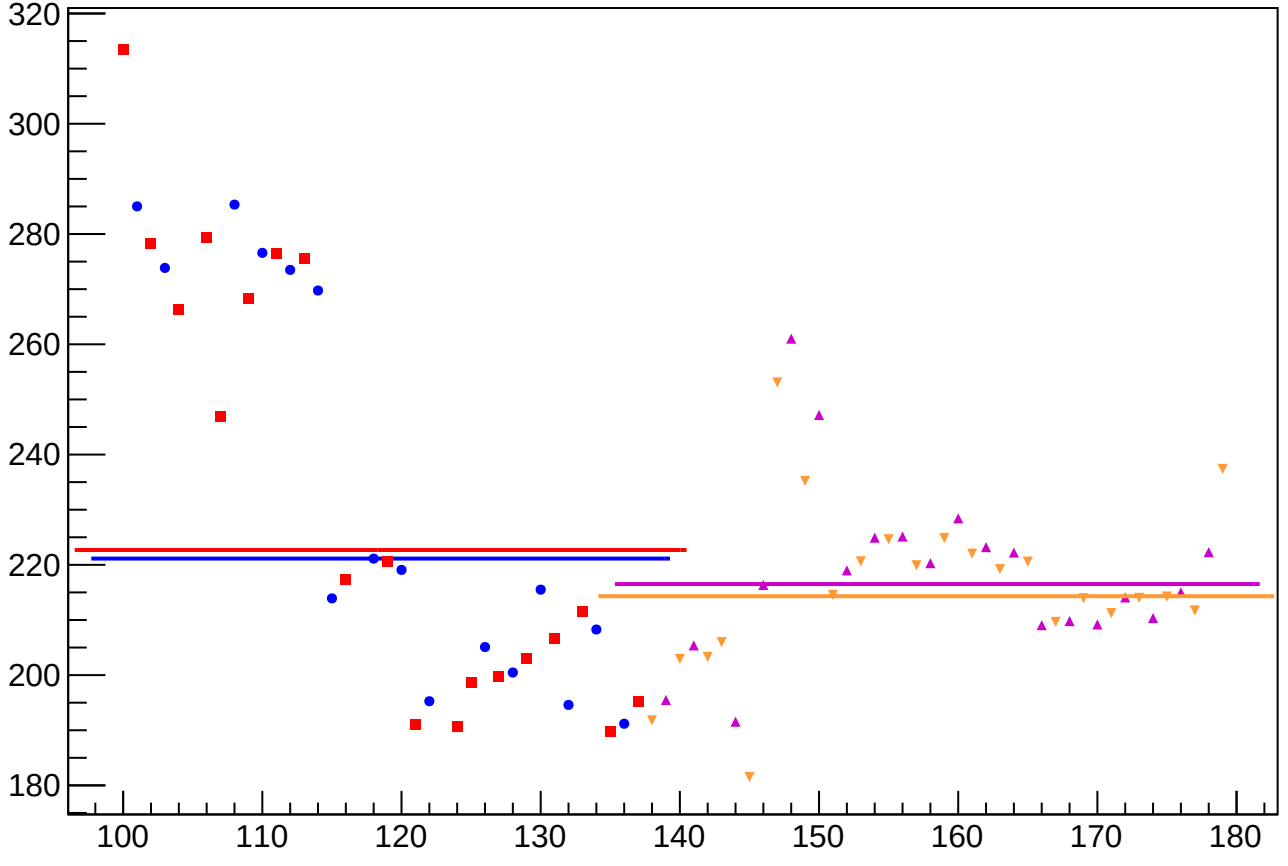
Left In: 243.663+/-53.733 χ^2/NDF:20.9/19

+ sign -153.389+/-43.707 χ^2/NDF: 60.4/37

All: -7.828+/-31.364 χ^2/NDF: 136.7/76

- sign 146.693+/-45.032 χ^2/NDF: 53.5/38

eigen_dit_asym_sam_26_dd_rms vs Slug



Right In: 221.138+/-0.059 χ^2/NDF: 318696.9/15

Left Out: 214.311+/-0.036 χ^2/NDF:167141.0/21

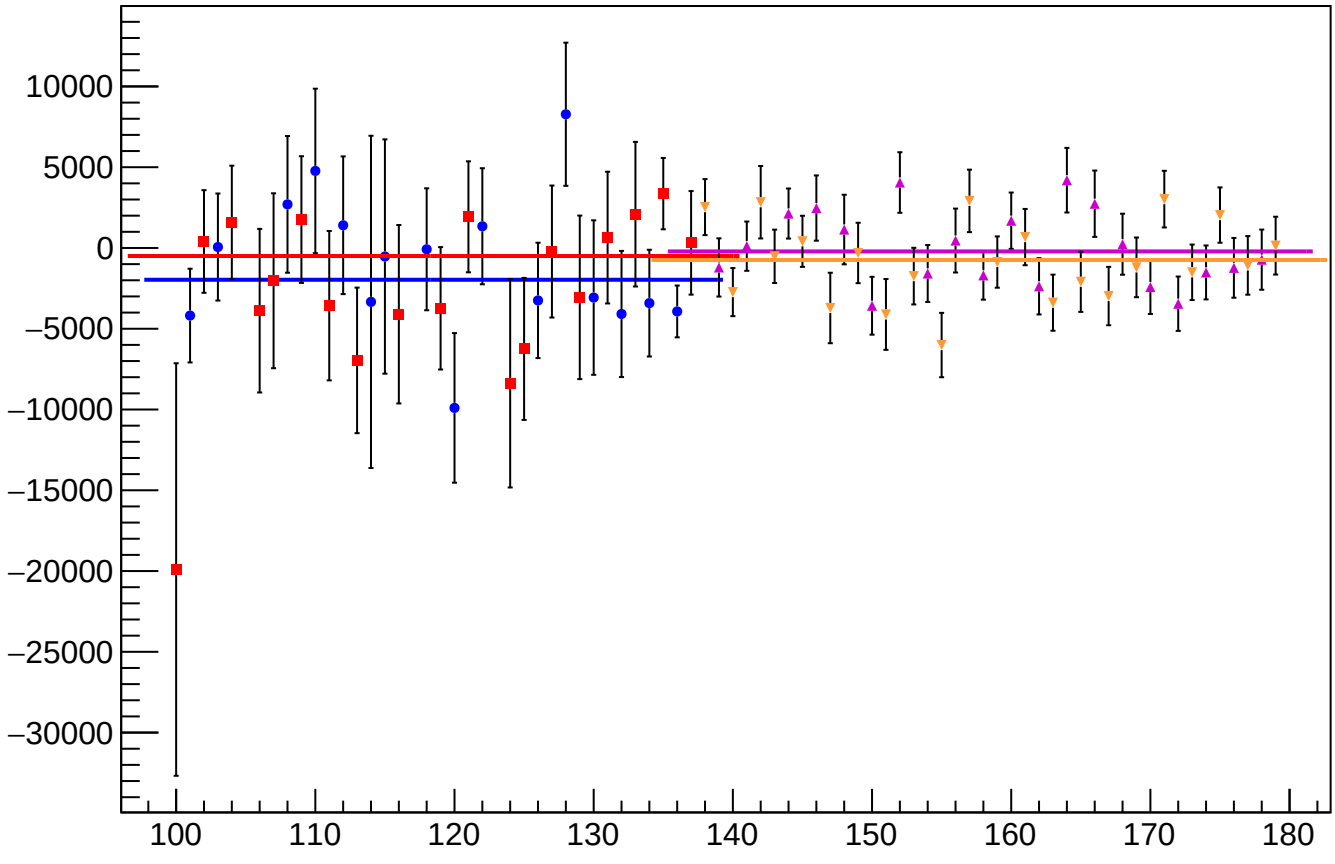
Right Out: 222.696+/-0.058 χ^2/NDF: 327025.2/18

Left In: 216.516+/-0.038 χ^2/NDF:152111.8/19

+ sign 216.199+/-0.031 χ^2/NDF: 495599.6/37

All: 217.245+/-0.022 χ^2/NDF: 984973.3/76

- sign 218.356+/-0.032 χ^2/NDF: 487011.2/38



Right In: -1967.409+/-876.608 χ^2/NDF: 16.2/15

Left Out: -743.892+/-381.675 χ^2/NDF:36.4/21

Right Out: -497.282+/-914.757 χ^2/NDF: 14.8/18

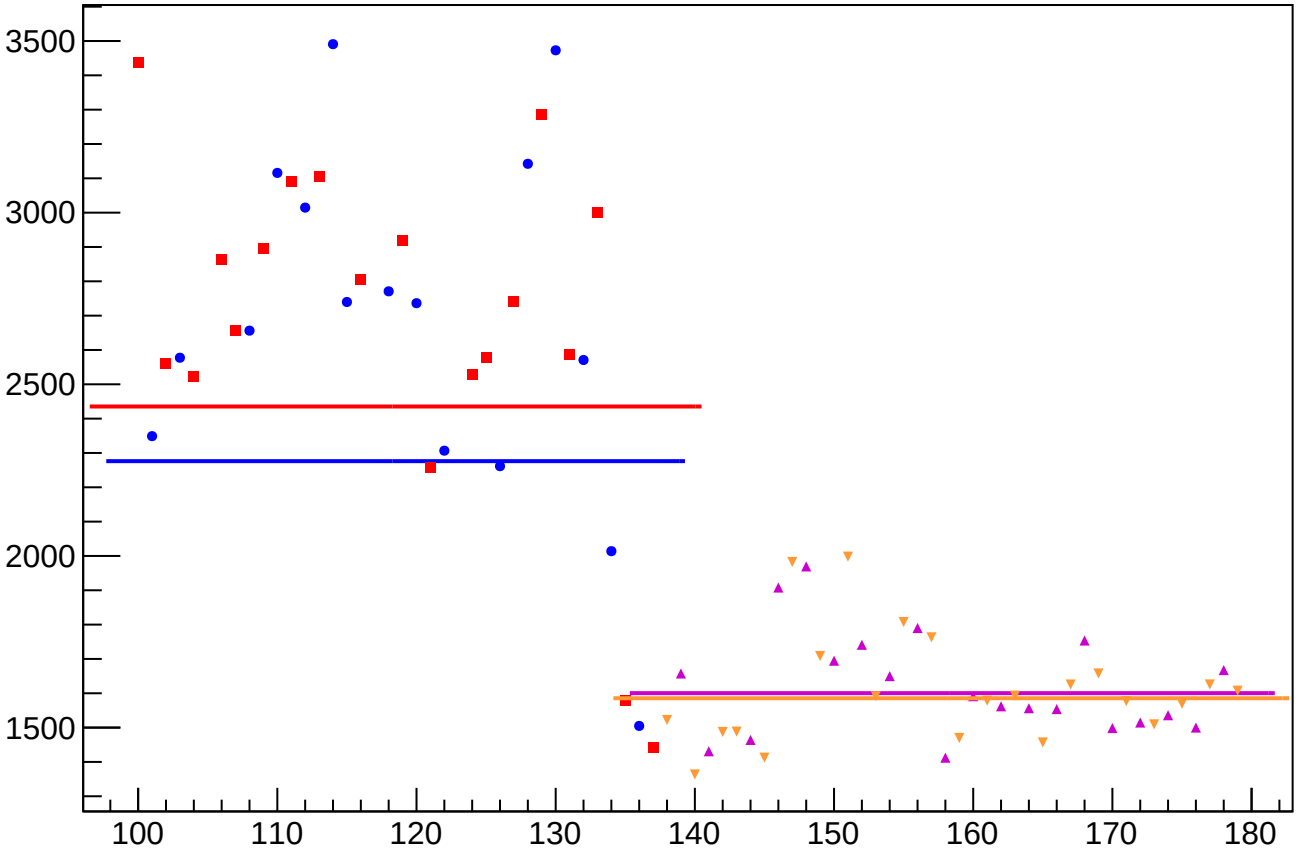
Left In: -213.183+/-398.119 χ^2/NDF:31.3/19

+ sign -938.875+/-349.944 χ^2/NDF: 54.2/37

All: -613.015+/-252.618 χ^2/NDF: 102.2/76

- sign -258.426+/-365.045 χ^2/NDF: 46.2/38

asym_sam_26_dd_eigen_dit_correction_rms vs Slug



Right In: 2276.132+/-0.620 χ^2/NDF: 926973.2/15

Left Out: 1585.485+/-0.270 χ^2/NDF:298922.3/21

Right Out: 2435.351+/-0.647 χ^2/NDF: 791509.5/18

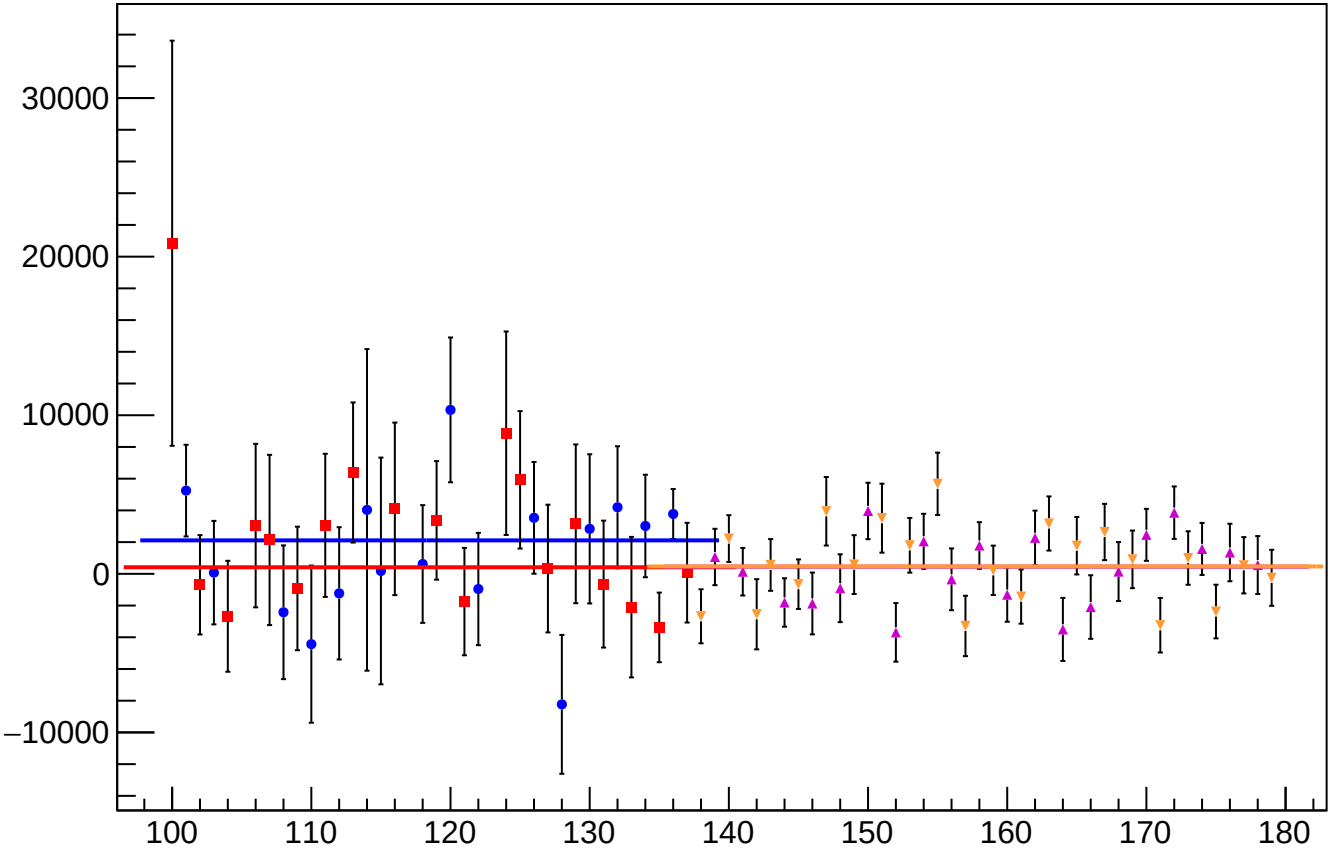
Left In: 1600.313+/-0.282 χ^2/NDF:255675.4/19

+ sign 1695.549+/-0.247 χ^2/NDF: 2269506.8/37

All: 1713.624+/-0.179 χ^2/NDF: 4729025.3/76

- sign 1733.293+/-0.258 χ^2/NDF: 2448376.4/38

asym_sam_26_dd_mean vs Slug



Right In: 2109.537+/-863.291 χ^2/NDF: 16.6/15

Left Out: 466.094+/-375.763 χ^2/NDF:36.9/21

Right Out: 414.095+/-904.414 χ^2/NDF: 14.7/18

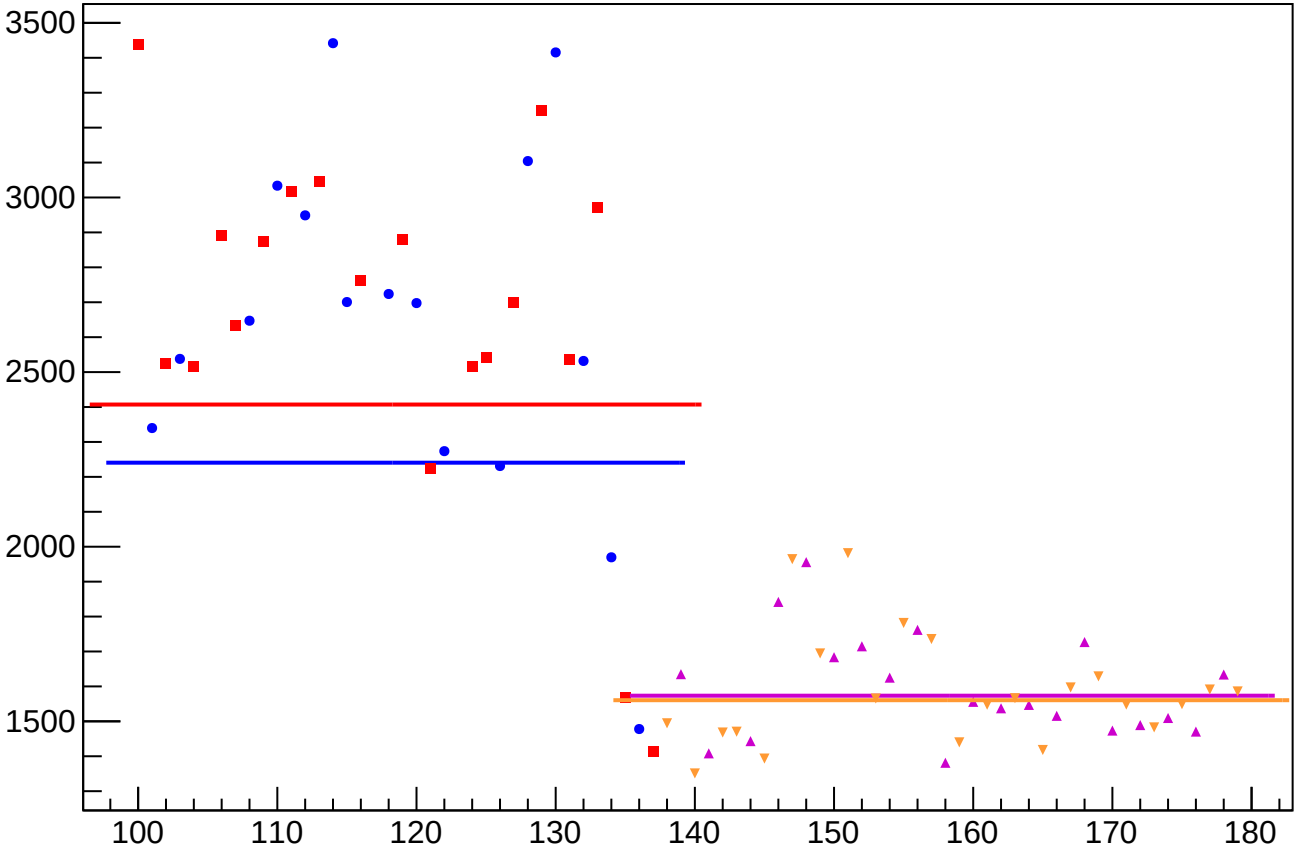
Left In: 451.784+/-391.471 χ^2/NDF:29.2/19

+ sign 727.864+/-344.540 χ^2/NDF: 56.5/37

All: 592.747+/-248.668 χ^2/NDF: 100.7/76

- sign 445.837+/-359.260 χ^2/NDF: 43.8/38

asym_sam_26_dd_rms vs Slug



Right In: 2240.626+/-0.610 χ^2/NDF: 933590.8/15

Left Out: 1560.507+/-0.266 χ^2/NDF:307119.4/21

Right Out: 2407.124+/-0.640 χ^2/NDF: 788976.1/18

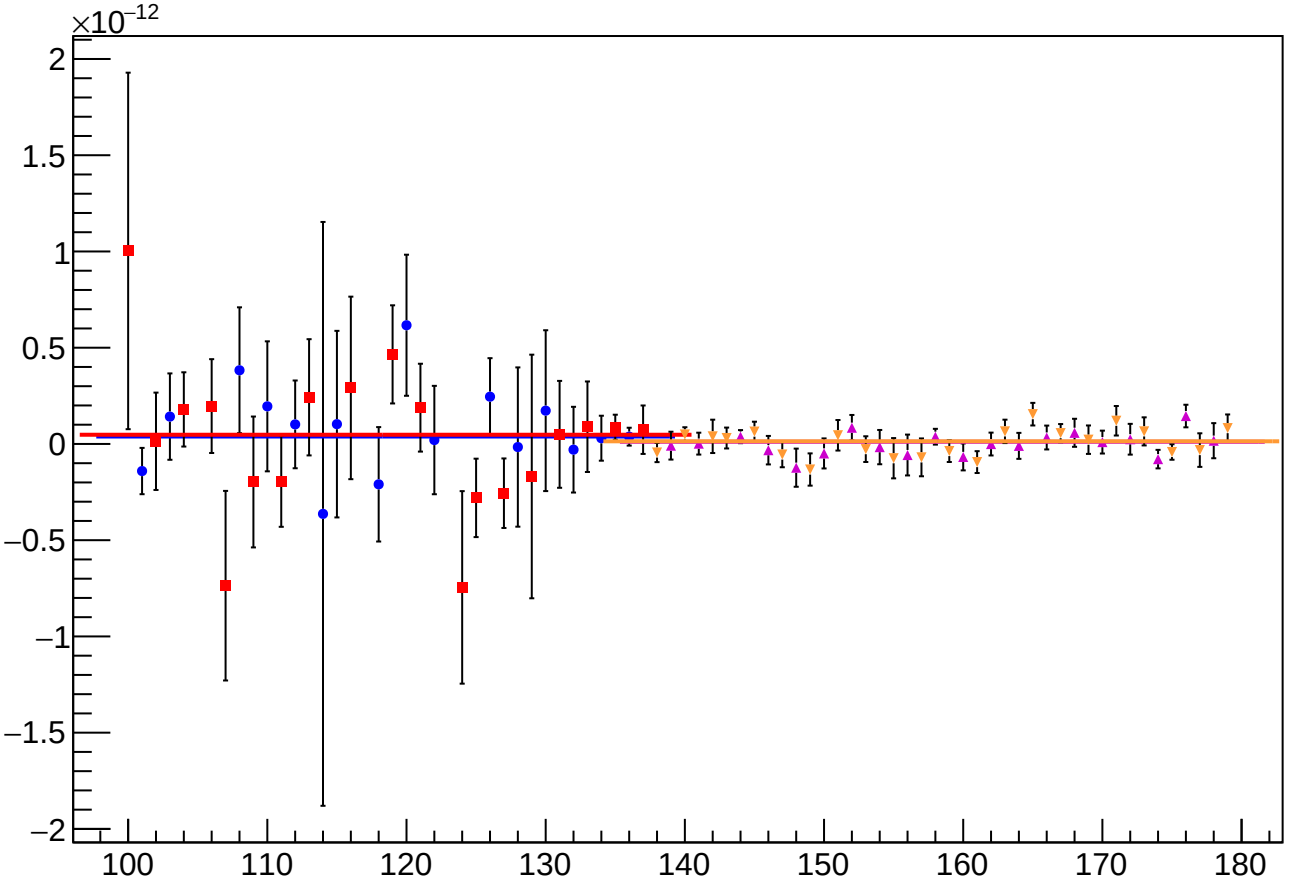
Left In: 1573.406+/-0.277 χ^2/NDF:258011.8/19

+ sign 1668.837+/-0.244 χ^2/NDF: 2284315.7/37

All: 1686.143+/-0.176 χ^2/NDF: 4773210.6/76

- sign 1704.960+/-0.254 χ^2/NDF: 2478362.3/38

asym_sam_26_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 8.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:26.8/21

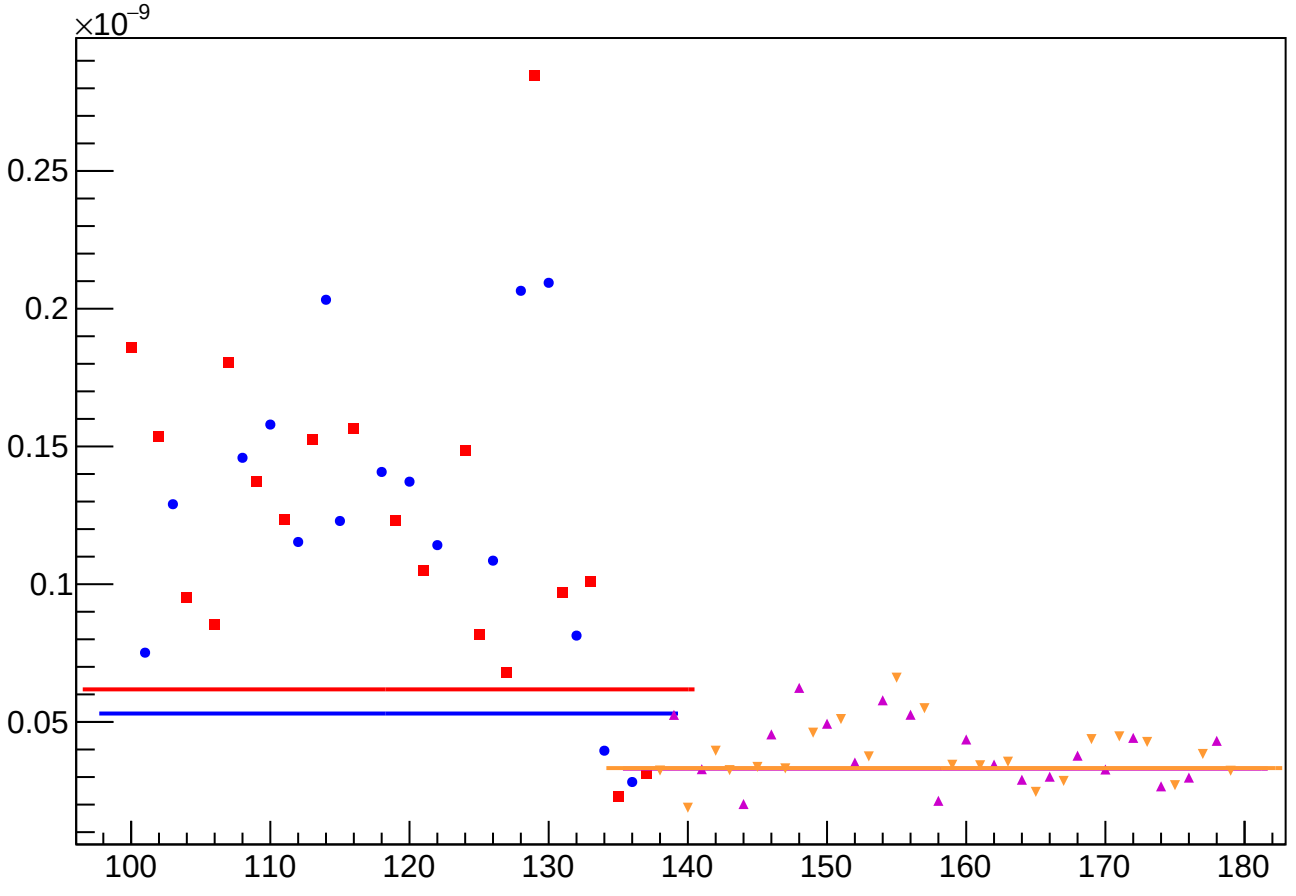
Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: 0.000+/-0.000 χ^2/NDF:16.3/19

+ sign 0.000+/-0.000 χ^2/NDF: 35.6/37

All: 0.000+/-0.000 χ^2/NDF: 70.8/76

- sign 0.000+/-0.000 χ^2/NDF: 35.2/38



Right In: 0.000+/-0.000 χ^2/NDF: 2576481.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:998817.5/21

Right Out: 0.000+/-0.000 χ^2/NDF: 2416437.9/18

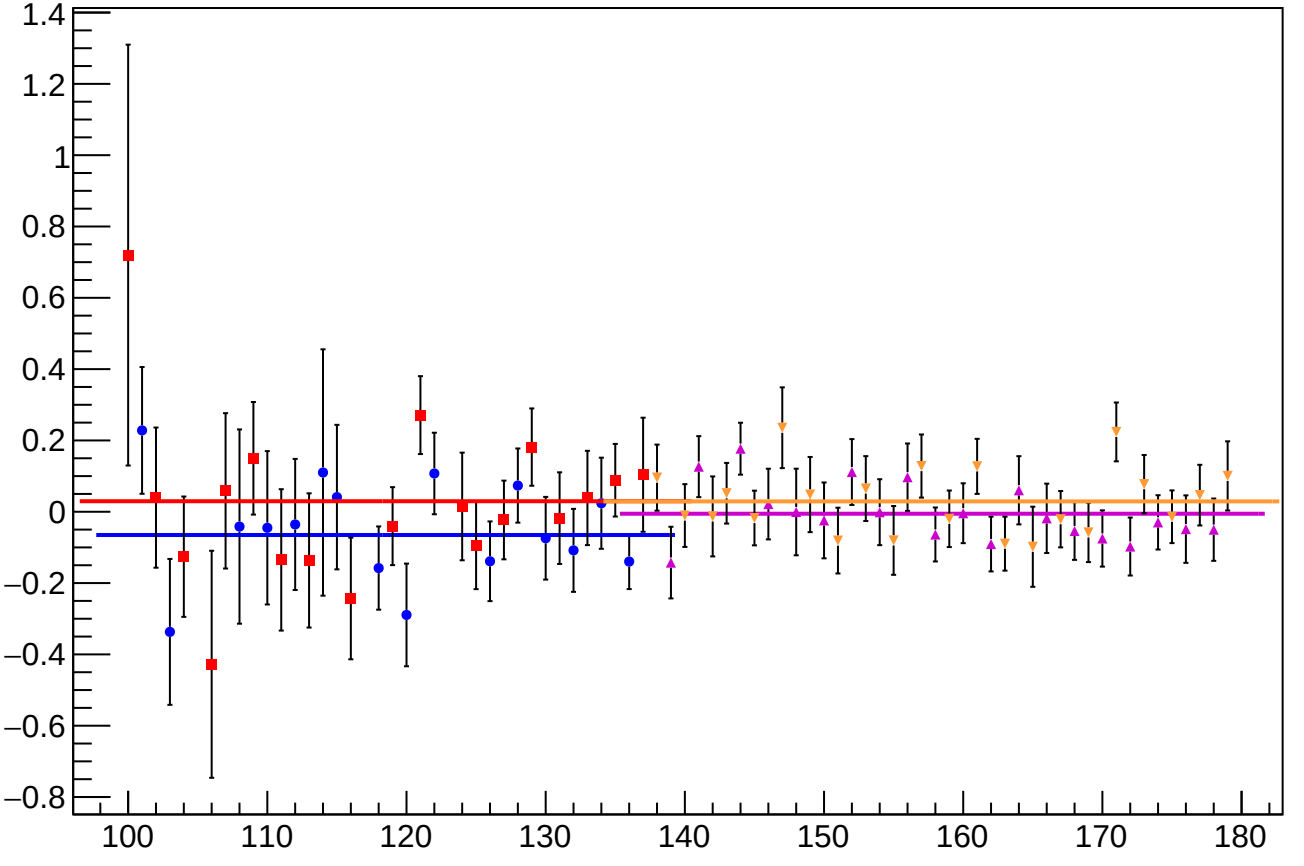
Left In: 0.000+/-0.000 χ^2/NDF:1309579.6/19

+ sign 0.000+/-0.000 χ^2/NDF: 4102833.7/37

All: 0.000+/-0.000 χ^2/NDF: 8630271.3/76

- sign 0.000+/-0.000 χ^2/NDF: 4527157.4/38

asym_sam_26_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.029+/-0.019 χ^2/NDF:22.9/21

Right Out: 0.030+/-0.033 χ^2/NDF: 18.1/18

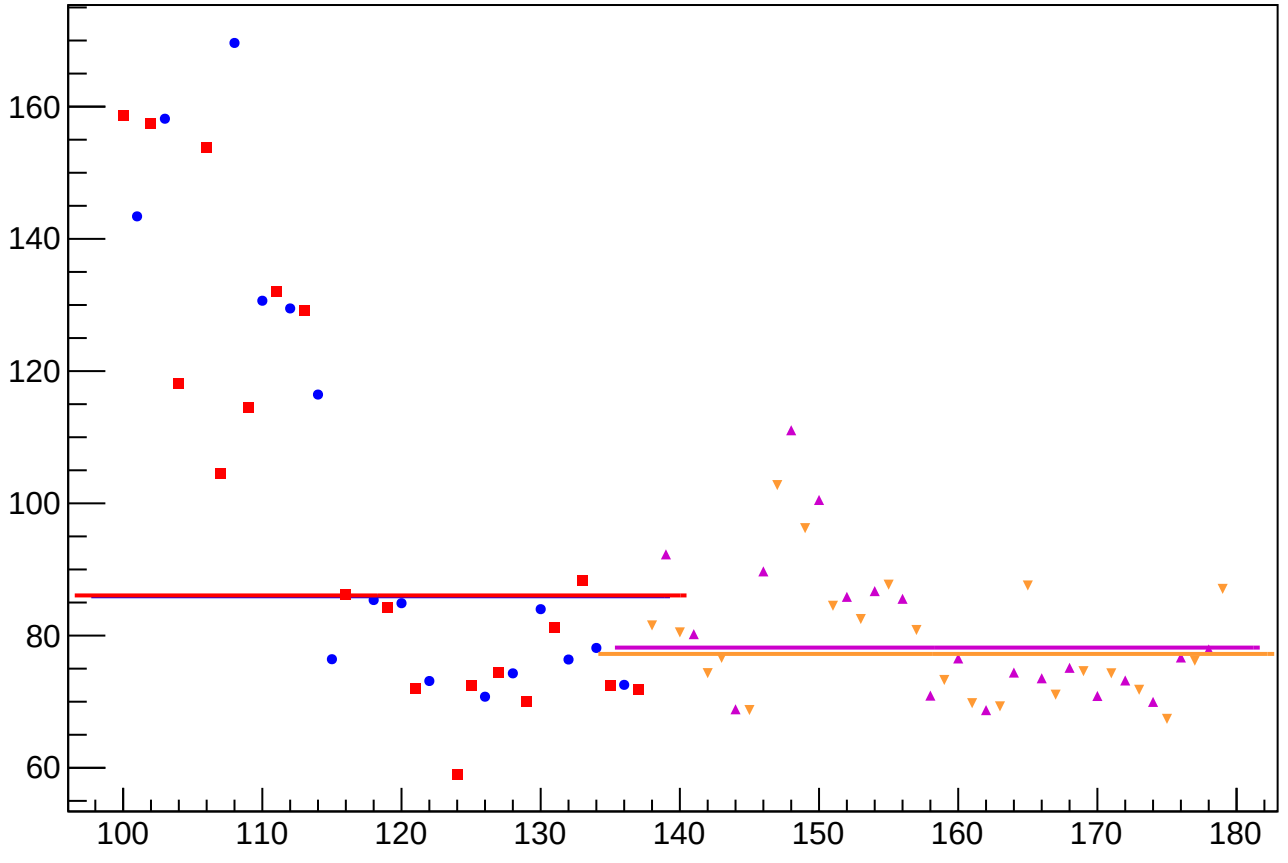
Left In: -0.005+/-0.020 χ^2/NDF:18.7/19

+ sign 0.007+/-0.016 χ^2/NDF: 43.1/37

All: 0.005+/-0.012 χ^2/NDF: 80.8/76

- sign 0.004+/-0.017 χ^2/NDF: 37.6/38

asym_sam_26_dd_dit_vs_cor_diff_rms vs Slug



Right In: 85.946+/-0.024 χ^2/NDF: 1035004.5/15

Left Out: 77.227+/-0.013 χ^2/NDF:390005.0/21

Right Out: 86.073+/-0.023 χ^2/NDF: 991371.4/18

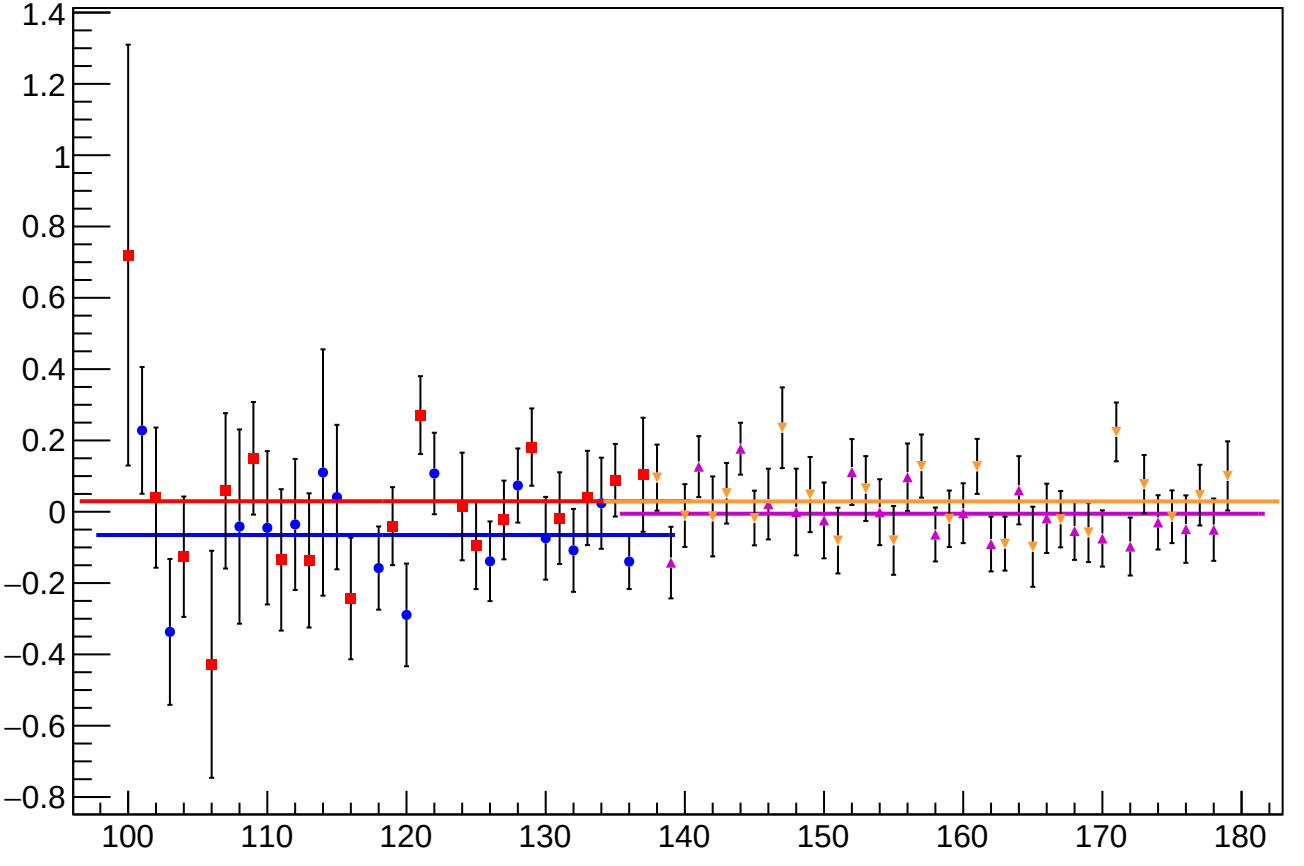
Left In: 78.183+/-0.014 χ^2/NDF:486703.3/19

+ sign 79.303+/-0.011 χ^2/NDF: 1529422.0/37

All: 79.755+/-0.008 χ^2/NDF: 3095412.7/76

- sign 80.240+/-0.012 χ^2/NDF: 1562780.3/38

asym_sam_26_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.029+/-0.019 χ^2/NDF:22.9/21

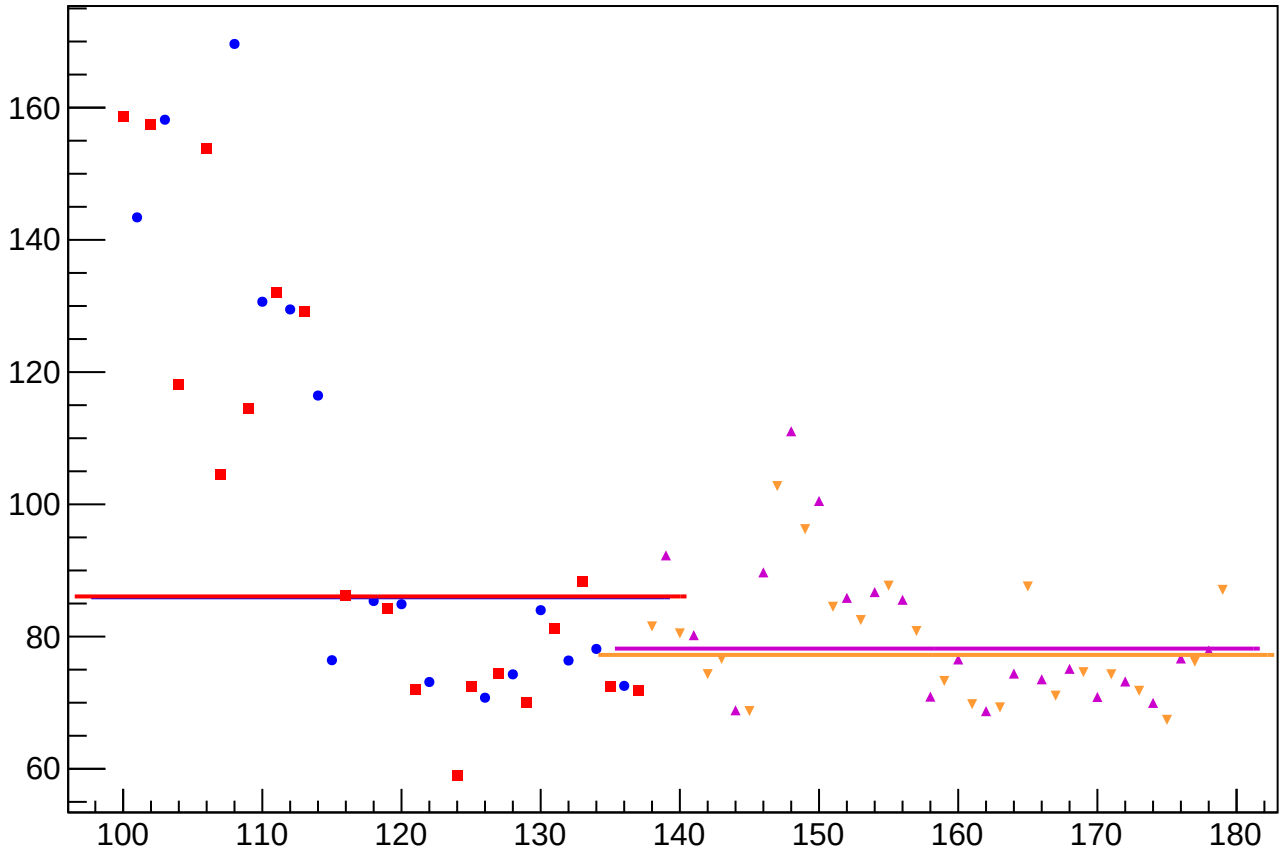
Right Out: 0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: -0.005+/-0.020 χ^2/NDF:18.7/19

+ sign 0.007+/-0.016 χ^2/NDF: 43.1/37

All: 0.005+/-0.012 χ^2/NDF: 80.8/76

- sign 0.004+/-0.017 χ^2/NDF: 37.6/38



Right In: 85.946+/-0.024 χ^2/NDF: 1035004.5/15

Left Out: 77.227+/-0.013 χ^2/NDF:390005.0/21

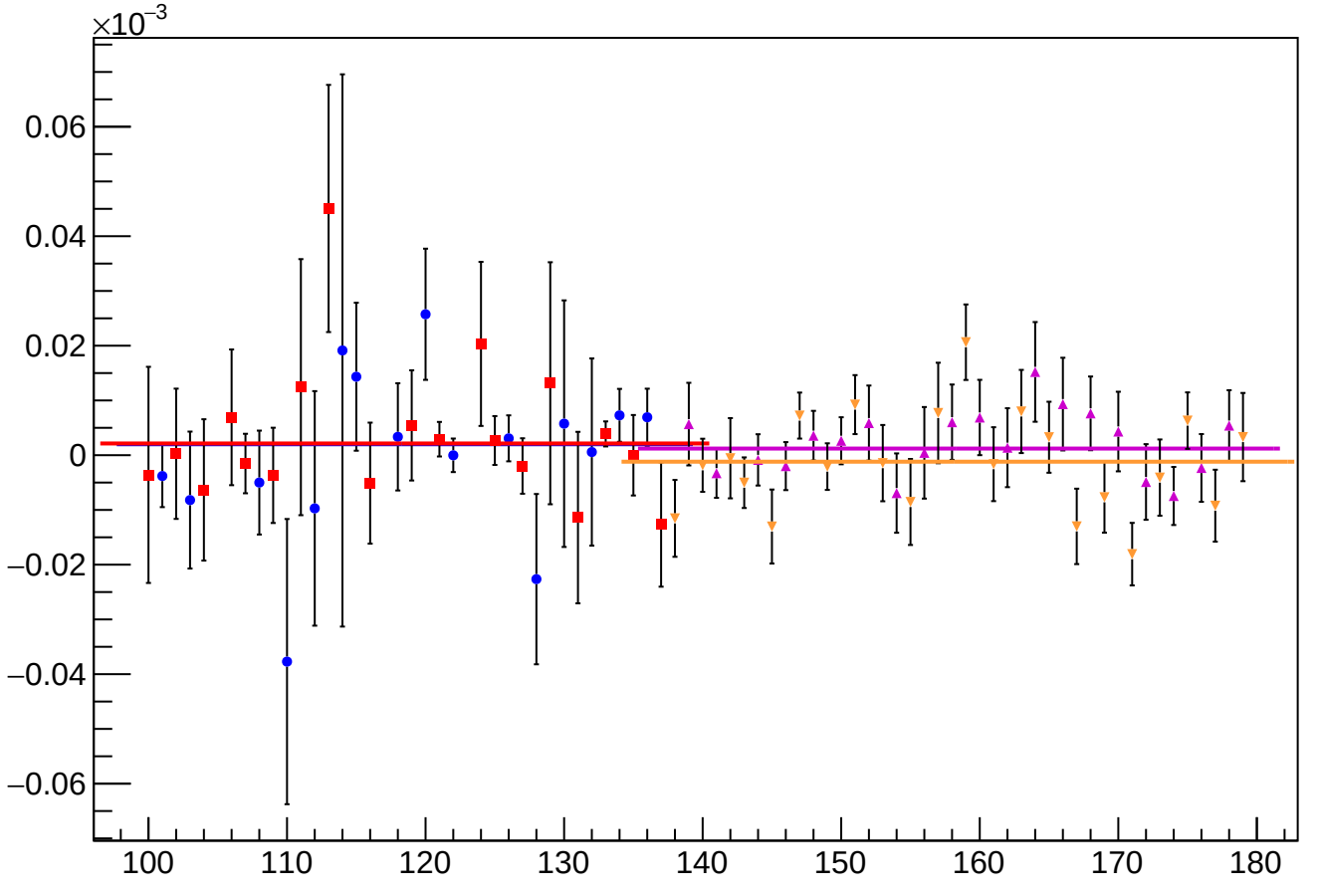
Right Out: 86.073+/-0.023 χ^2/NDF: 991371.4/18

Left In: 78.183+/-0.014 χ^2/NDF:486703.3/19

+ sign 79.303+/-0.011 χ^2/NDF: 1529422.0/37

All: 79.755+/-0.008 χ^2/NDF: 3095412.7/76

- sign 80.240+/-0.012 χ^2/NDF: 1562780.3/38



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:44.3/21

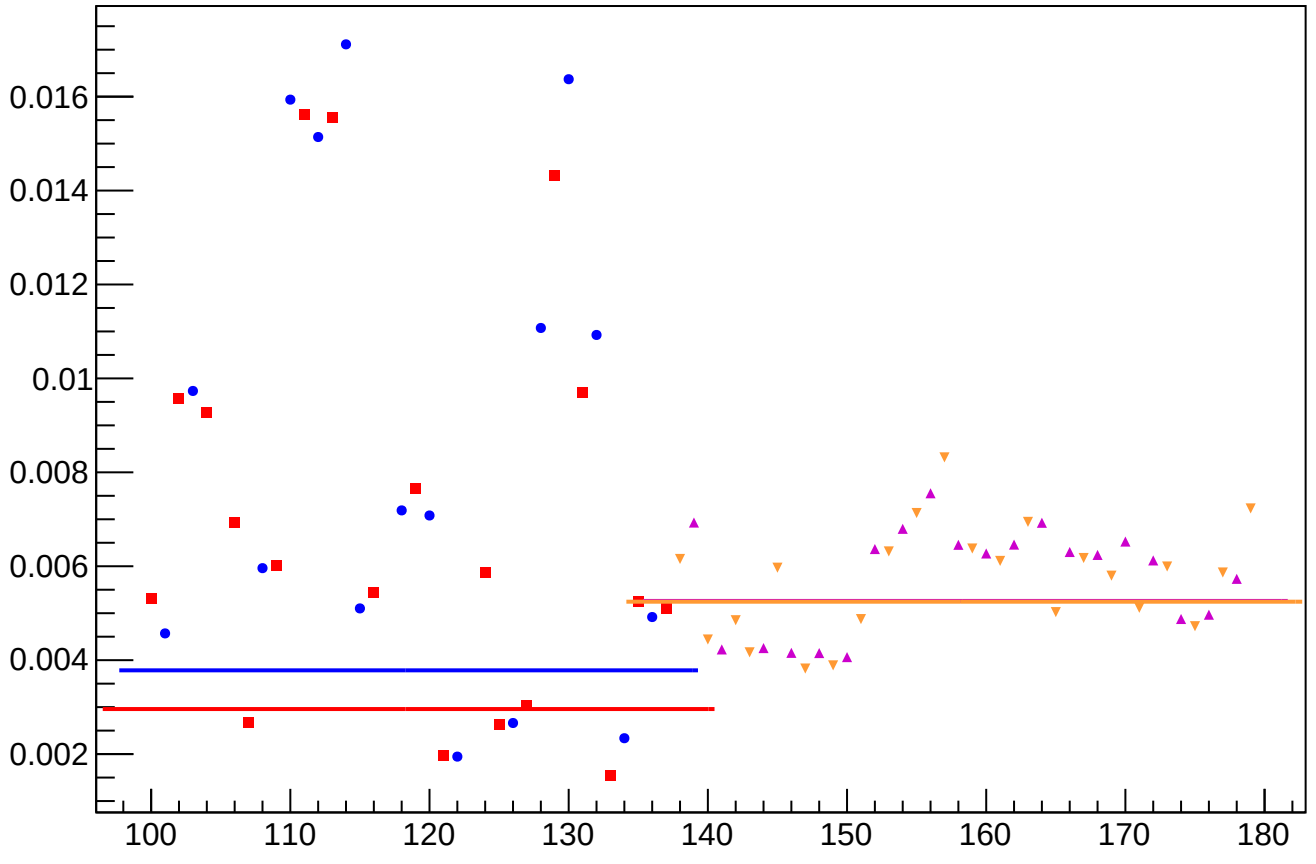
Right Out: 0.000+/-0.000 χ^2/NDF: 11.5/18

Left In: 0.000+/-0.000 χ^2/NDF:13.9/19

+ sign -0.000+/-0.000 χ^2/NDF: 61.4/37

All: 0.000+/-0.000 χ^2/NDF: 88.5/76

- sign 0.000+/-0.000 χ^2/NDF: 25.7/38



Right In: 0.004+/-0.000 χ^2/NDF: 4694299.9/15

Left Out: 0.005+/-0.000 χ^2/NDF:1479781.3/21

Right Out: 0.003+/-0.000 χ^2/NDF: 5548113.4/18

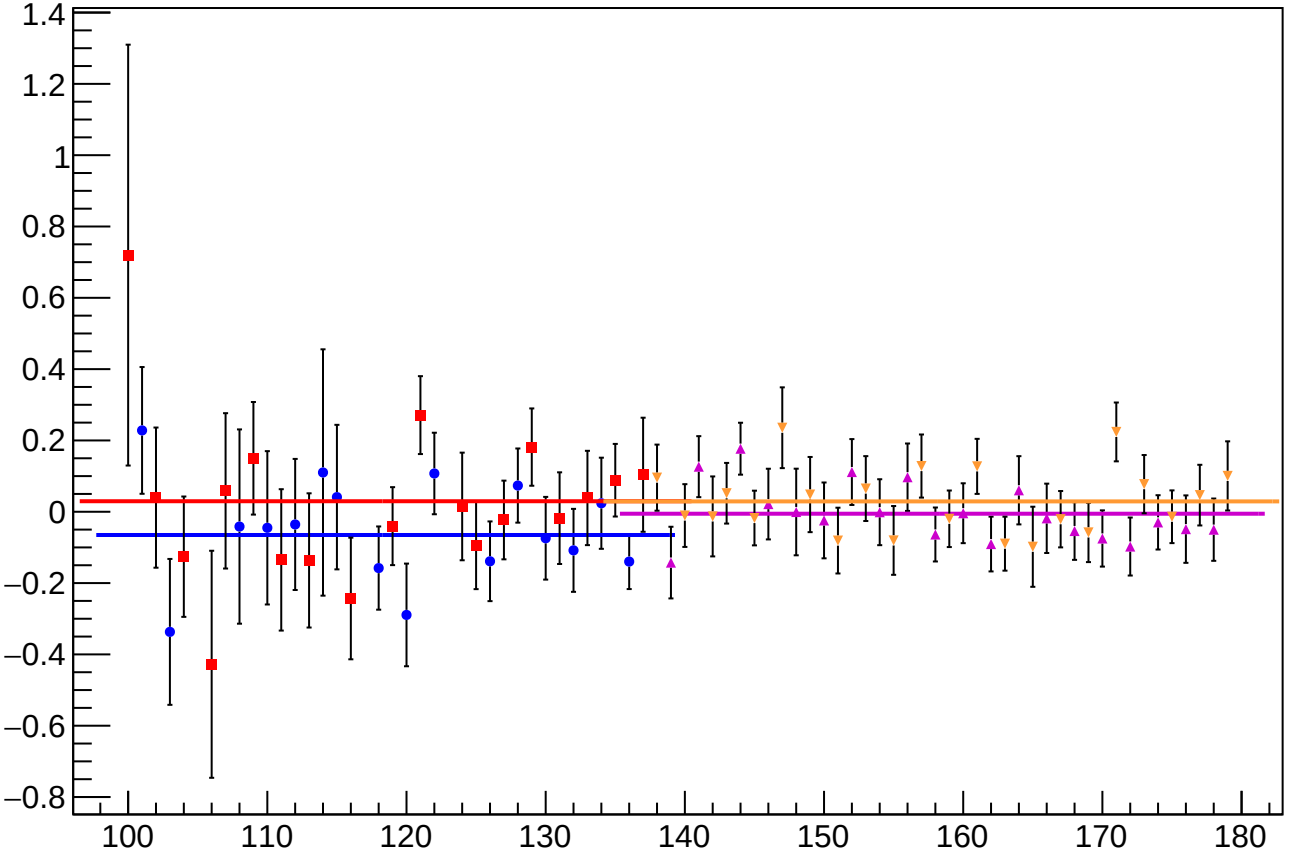
Left In: 0.005+/-0.000 χ^2/NDF:1404405.9/19

+ sign 0.005+/-0.000 χ^2/NDF: 7080610.2/37

All: 0.004+/-0.000 χ^2/NDF: 17169777.3/76

- sign 0.004+/-0.000 χ^2/NDF: 9769735.6/38

asym_sam_26_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.029+/-0.019 χ^2/NDF:22.9/21

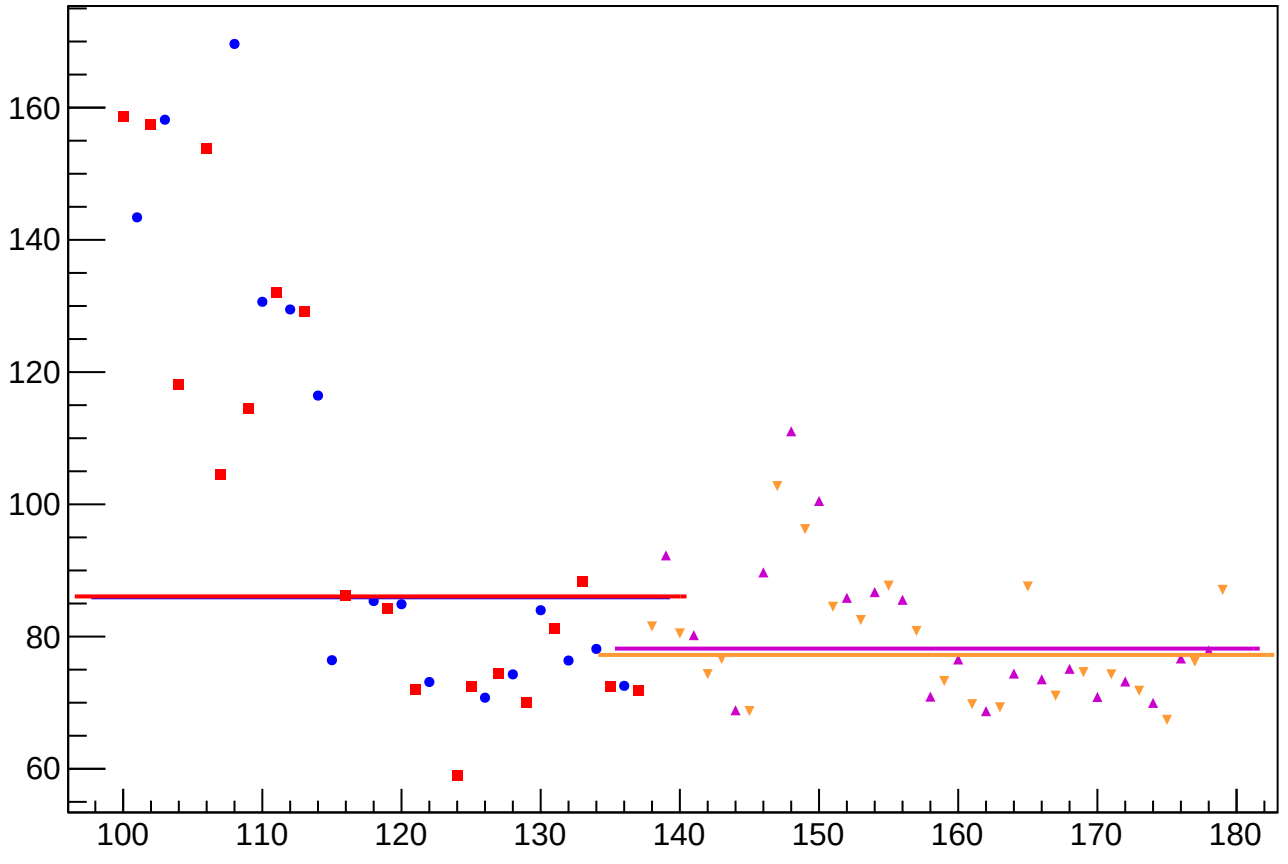
Right Out: 0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: -0.005+/-0.020 χ^2/NDF:18.7/19

+ sign 0.007+/-0.016 χ^2/NDF: 43.1/37

All: 0.005+/-0.012 χ^2/NDF: 80.8/76

- sign 0.004+/-0.017 χ^2/NDF: 37.6/38



Right In: 85.943+/-0.024 χ^2/NDF: 1034986.7/15

Left Out: 77.226+/-0.013 χ^2/NDF:390044.6/21

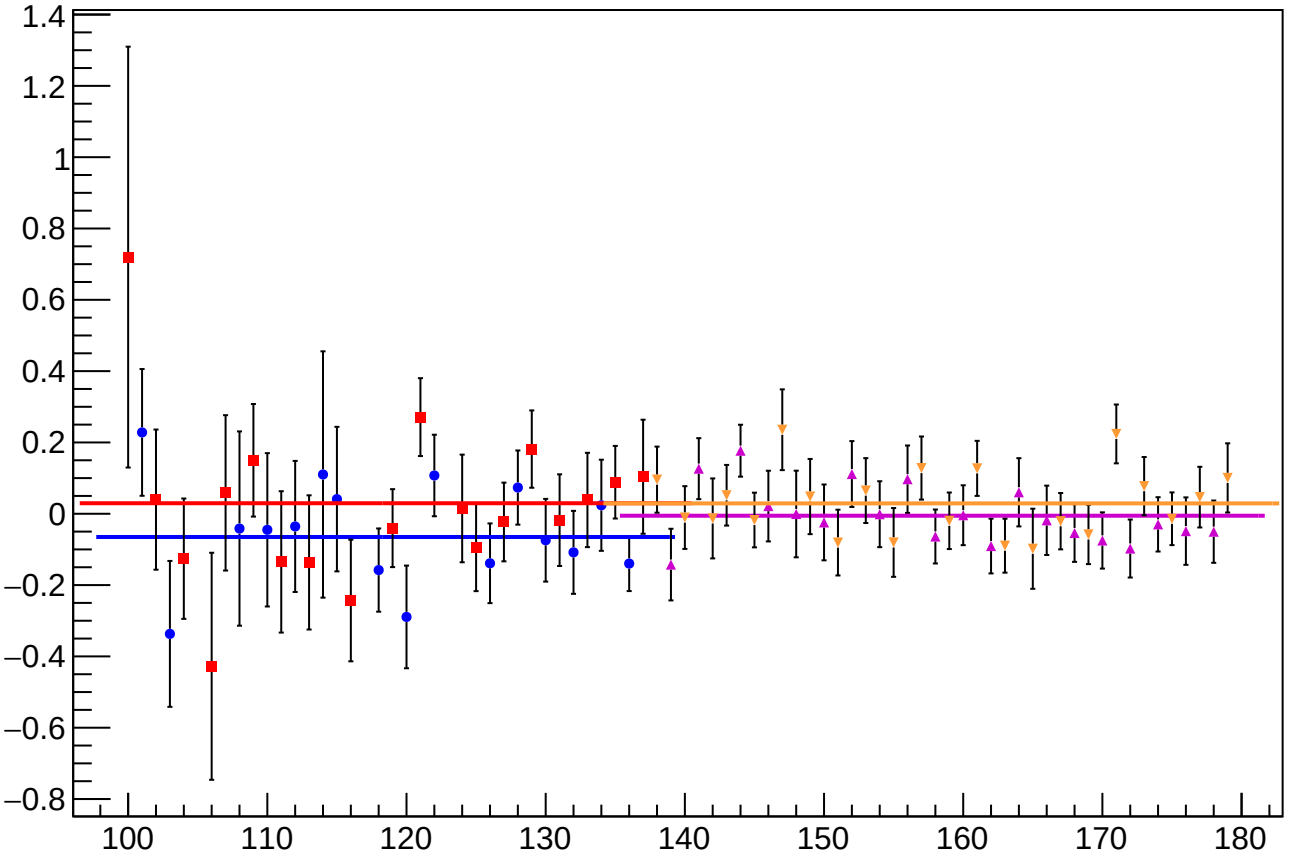
Right Out: 86.070+/-0.023 χ^2/NDF: 991365.2/18

Left In: 78.182+/-0.014 χ^2/NDF:486741.0/19

+ sign 79.302+/-0.011 χ^2/NDF: 1529398.6/37

All: 79.754+/-0.008 χ^2/NDF: 3095391.6/76

- sign 80.239+/-0.012 χ^2/NDF: 1562783.7/38



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.029+/-0.019 χ^2/NDF:22.9/21

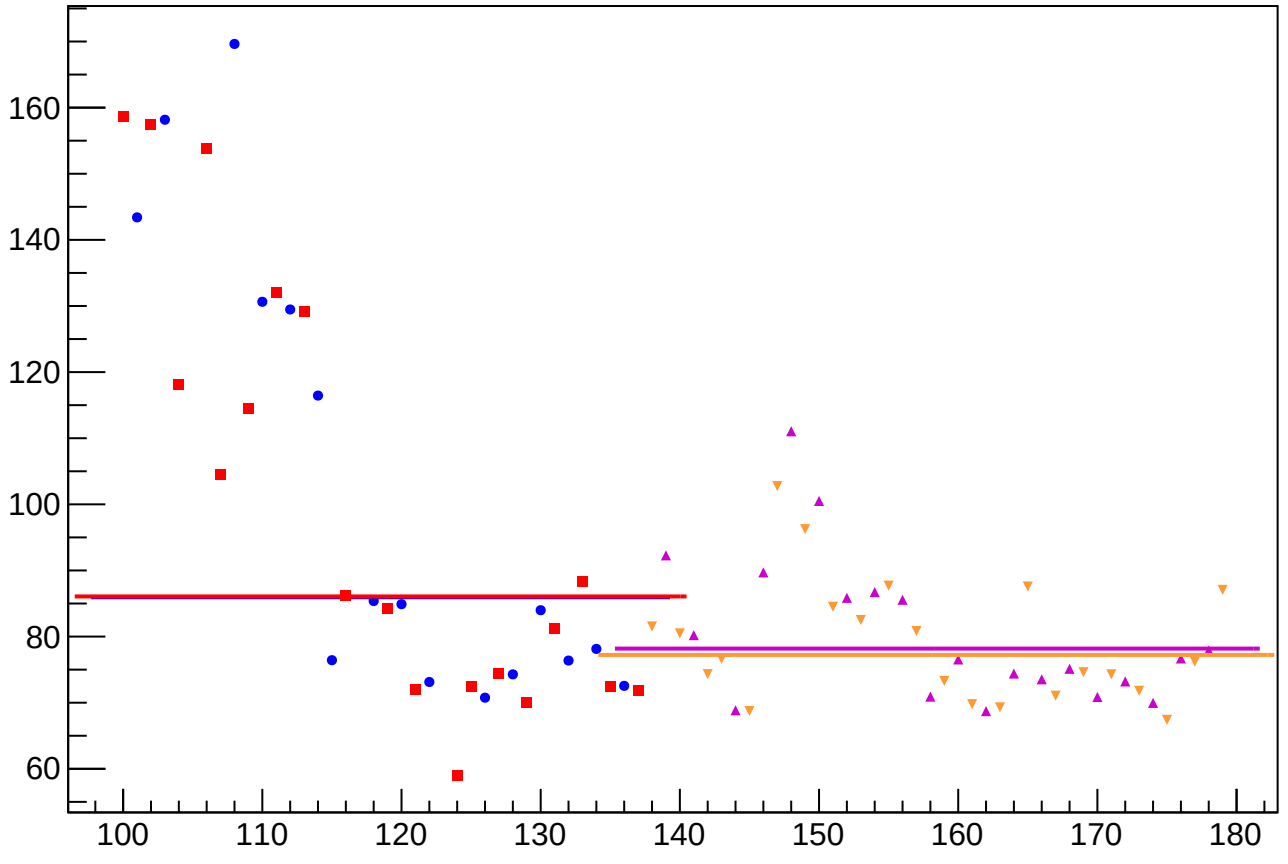
Right Out: 0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: -0.005+/-0.020 χ^2/NDF:18.7/19

+ sign 0.007+/-0.016 χ^2/NDF: 43.1/37

All: 0.005+/-0.012 χ^2/NDF: 80.8/76

- sign 0.004+/-0.017 χ^2/NDF: 37.6/38



Right In: 85.943+/-0.024 χ^2/NDF: 1034986.7/15

Left Out: 77.226+/-0.013 χ^2/NDF:390044.6/21

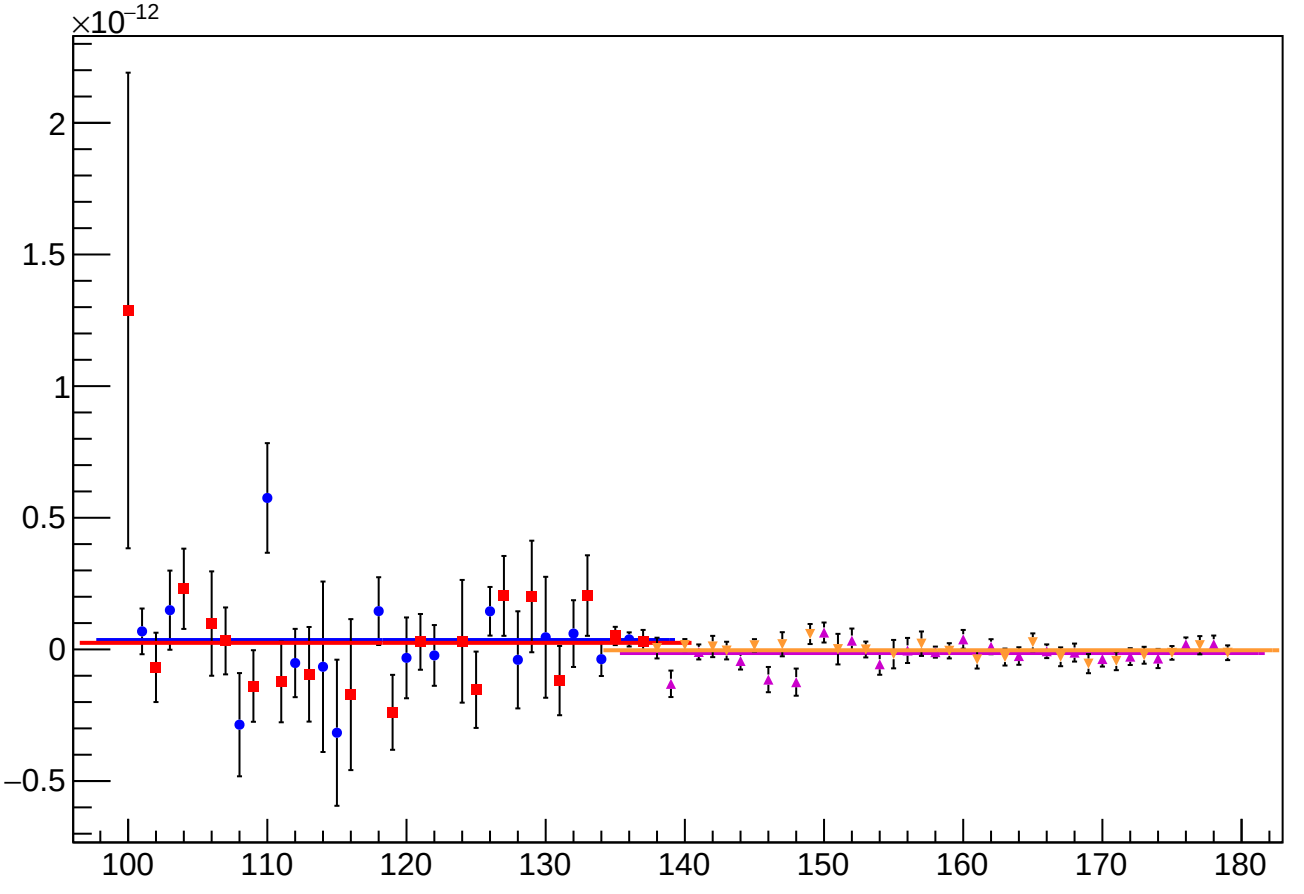
Right Out: 86.070+/-0.023 χ^2/NDF: 991365.2/18

Left In: 78.182+/-0.014 χ^2/NDF:486741.0/19

+ sign 79.302+/-0.011 χ^2/NDF: 1529398.6/37

All: 79.754+/-0.008 χ^2/NDF: 3095391.6/76

- sign 80.239+/-0.012 χ^2/NDF: 1562783.7/38



Right In: 0.000+/-0.000 χ^2/NDF: 16.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.9/21

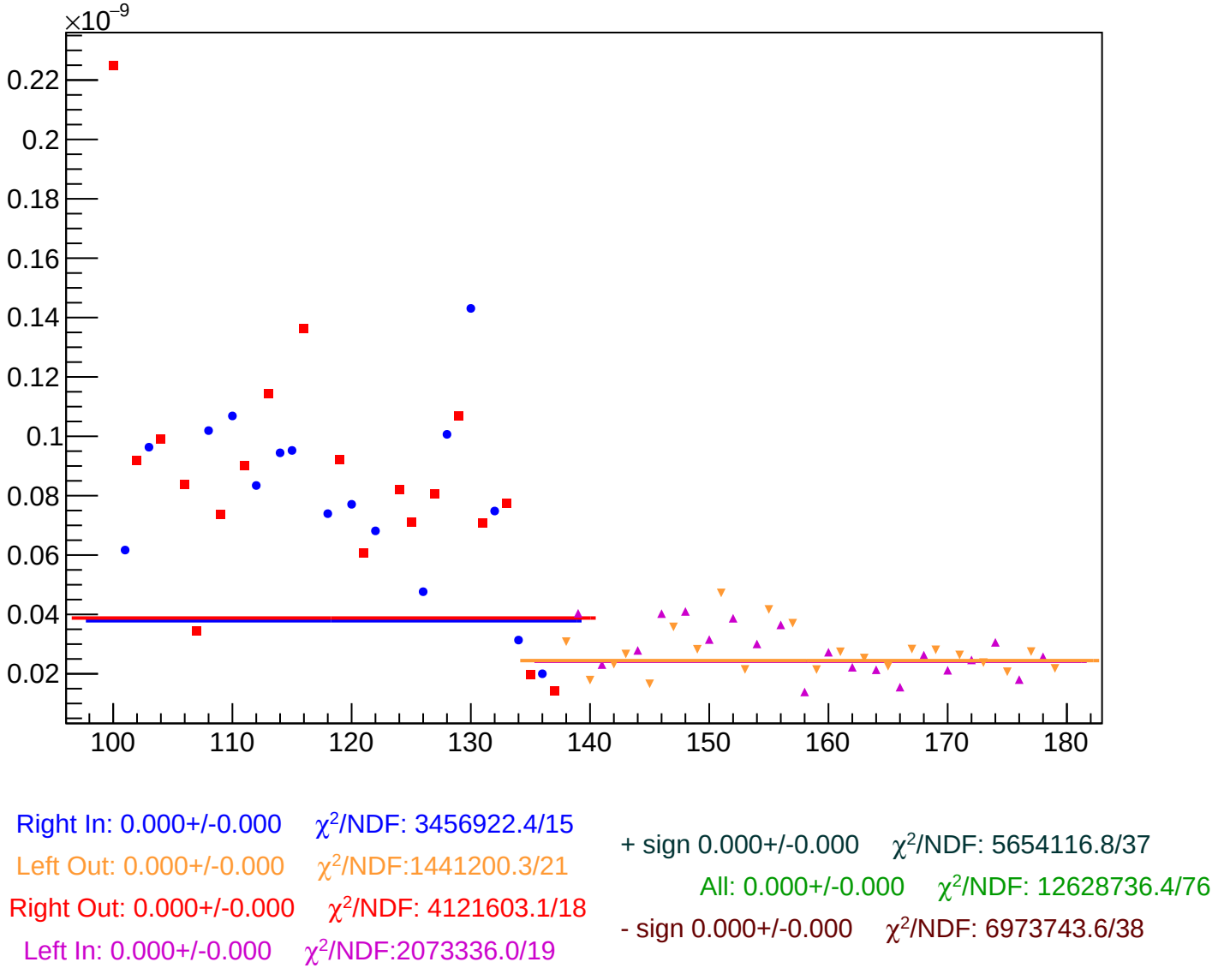
Right Out: 0.000+/-0.000 χ^2/NDF: 17.9/18

Left In: -0.000+/-0.000 χ^2/NDF:28.5/19

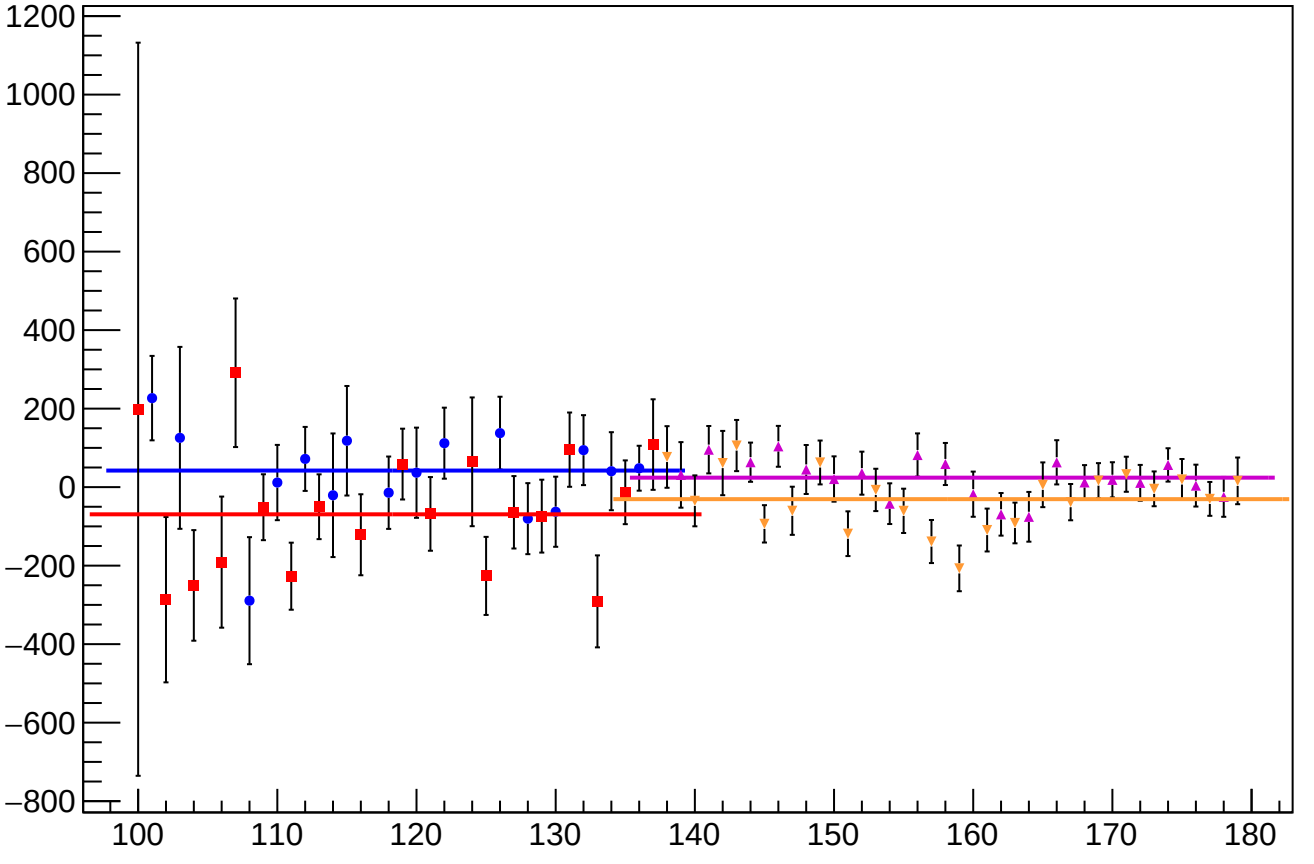
+ sign 0.000+/-0.000 χ^2/NDF: 31.4/37

All: -0.000+/-0.000 χ^2/NDF: 81.8/76

- sign -0.000+/-0.000 χ^2/NDF: 49.1/38


asym_sam_26_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 3456922.4/15
Left Out: 0.000+/-0.000 χ²/NDF:1441200.3/21
Right Out: 0.000+/-0.000 χ²/NDF: 4121603.1/18
Left In: 0.000+/-0.000 χ²/NDF:2073336.0/19
+ sign 0.000+/-0.000 χ²/NDF: 5654116.8/37
All: 0.000+/-0.000 χ²/NDF: 12628736.4/76
- sign 0.000+/-0.000 χ²/NDF: 6973743.6/38

reg_asym_sam_37_dd_mean vs Slug



Right In: 42.220+/-24.207 χ^2/NDF: 13.6/15

Left Out: -30.627+/-11.478 χ^2/NDF:37.1/21

Right Out: -69.249+/-24.418 χ^2/NDF: 25.4/18

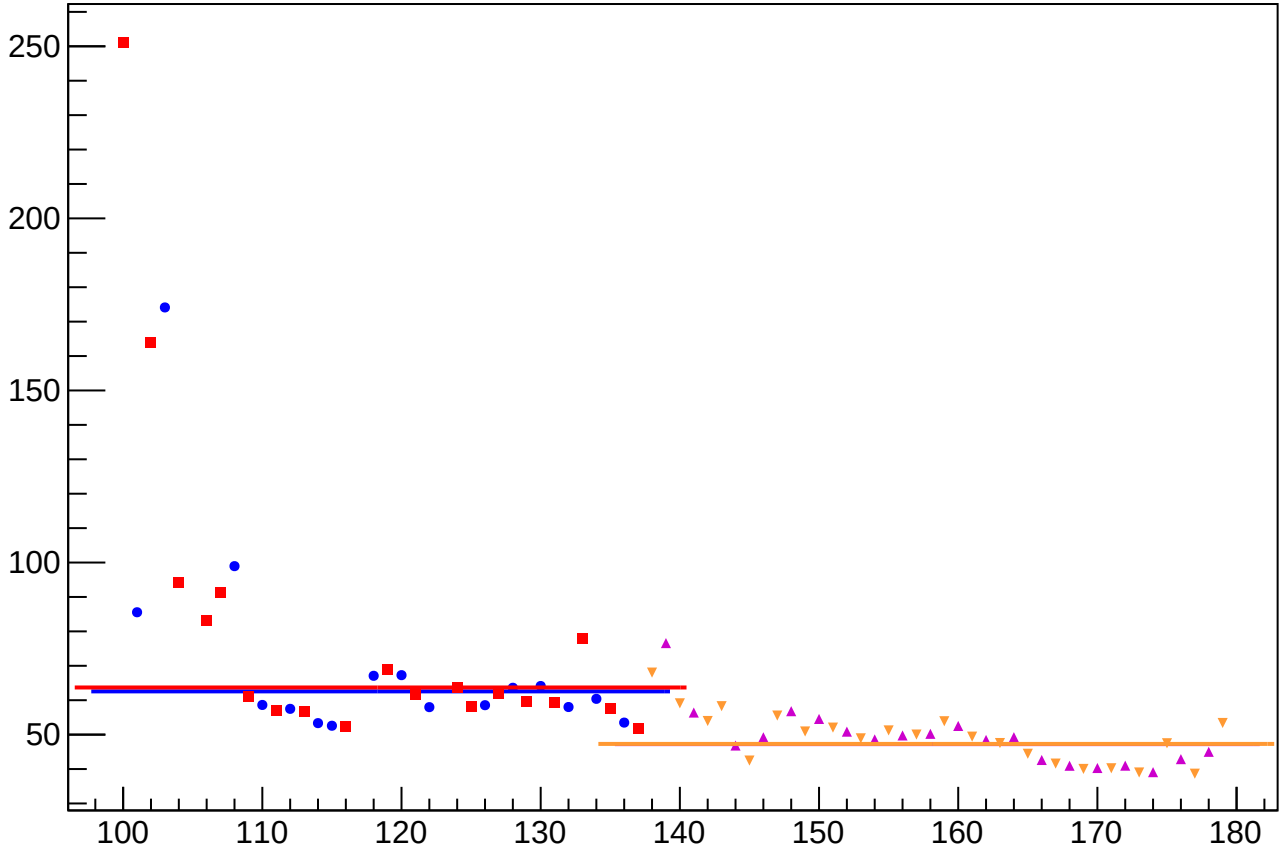
Left In: 24.132+/-11.852 χ^2/NDF:16.0/19

+ sign -17.255+/-10.371 χ^2/NDF: 58.1/37

All: -5.790+/-7.434 χ^2/NDF: 113.7/76

- sign 6.327+/-10.662 χ^2/NDF: 53.2/38

reg_asym_sam_37_dd_rms vs Slug



Right In: 62.566+/-0.017 χ^2/NDF: 758603.5/15

Left Out: 47.300+/-0.008 χ^2/NDF:709899.1/21

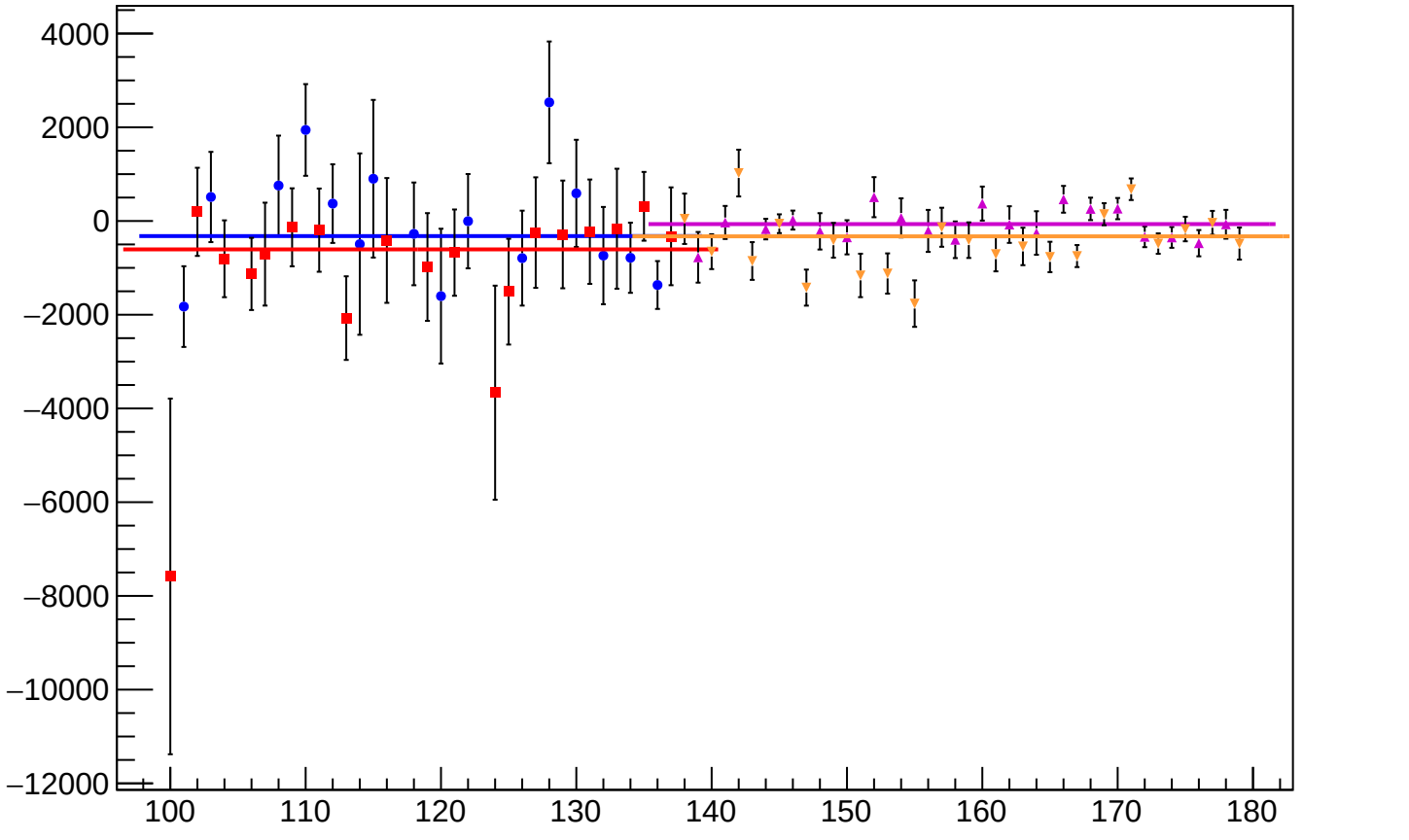
Right Out: 63.699+/-0.017 χ^2/NDF: 834180.2/18

Left In: 47.242+/-0.008 χ^2/NDF:646373.5/19

+ sign 50.102+/-0.007 χ^2/NDF: 2117896.6/37

All: 50.237+/-0.005 χ^2/NDF: 4334452.0/76

- sign 50.380+/-0.008 χ^2/NDF: 2215859.5/38



Right In: -321.663+/-238.482 χ^2/NDF: 22.7/15

Left Out: -327.319+/-66.736 χ^2/NDF:67.3/21

Right Out: -605.859+/-233.643 χ^2/NDF: 12.5/18

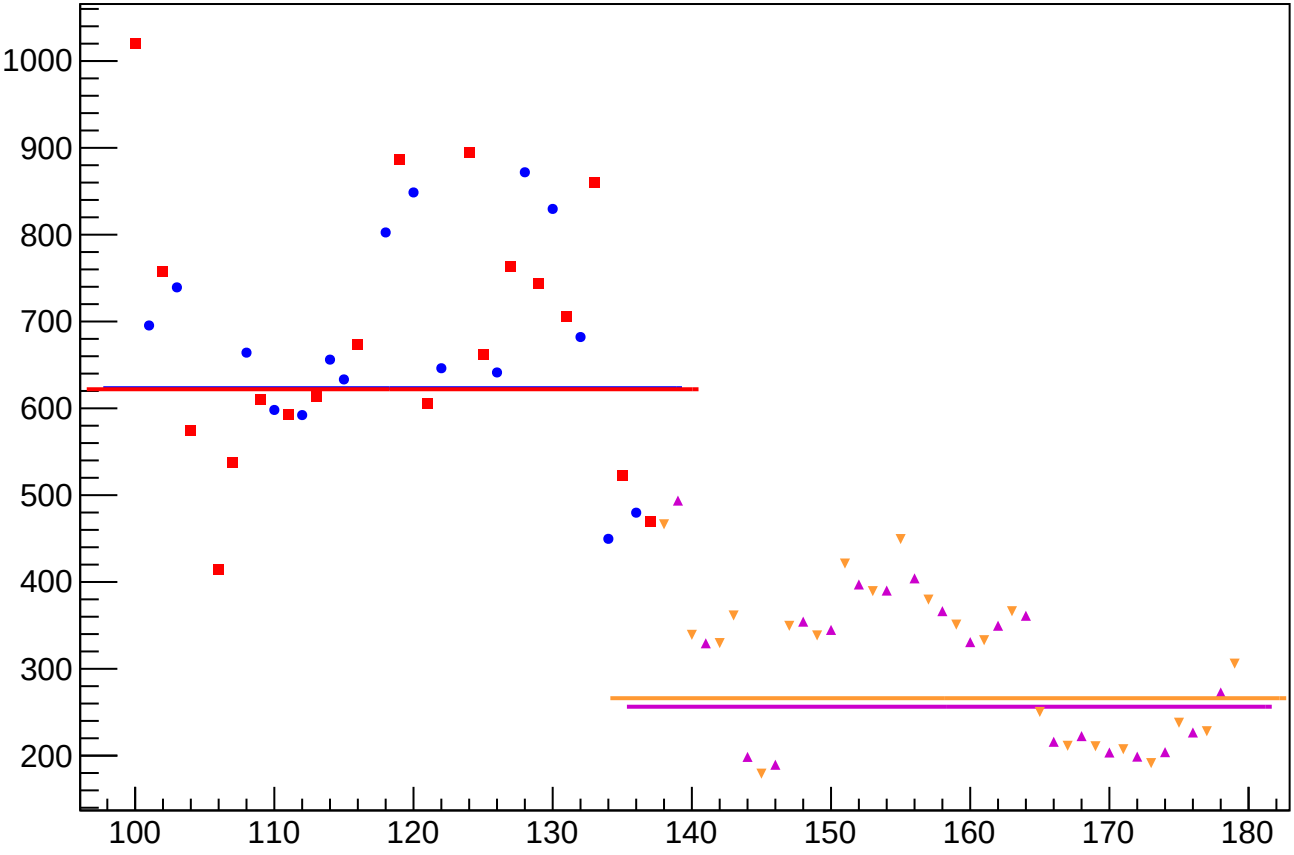
Left In: -66.105+/-66.602 χ^2/NDF:19.9/19

+ sign -326.908+/-64.267 χ^2/NDF: 90.1/37

All: -216.416+/-45.367 χ^2/NDF: 133.3/76

- sign -106.668+/-64.050 χ^2/NDF: 37.3/38

asym_sam_37_dd_reg_correction_rms vs Slug



Right In: 623.181+/-0.169 χ^2/NDF: 565524.7/15

Left Out: 266.157+/-0.047 χ^2/NDF:2832995.8/21

Right Out: 621.975+/-0.165 χ^2/NDF: 582591.9/18

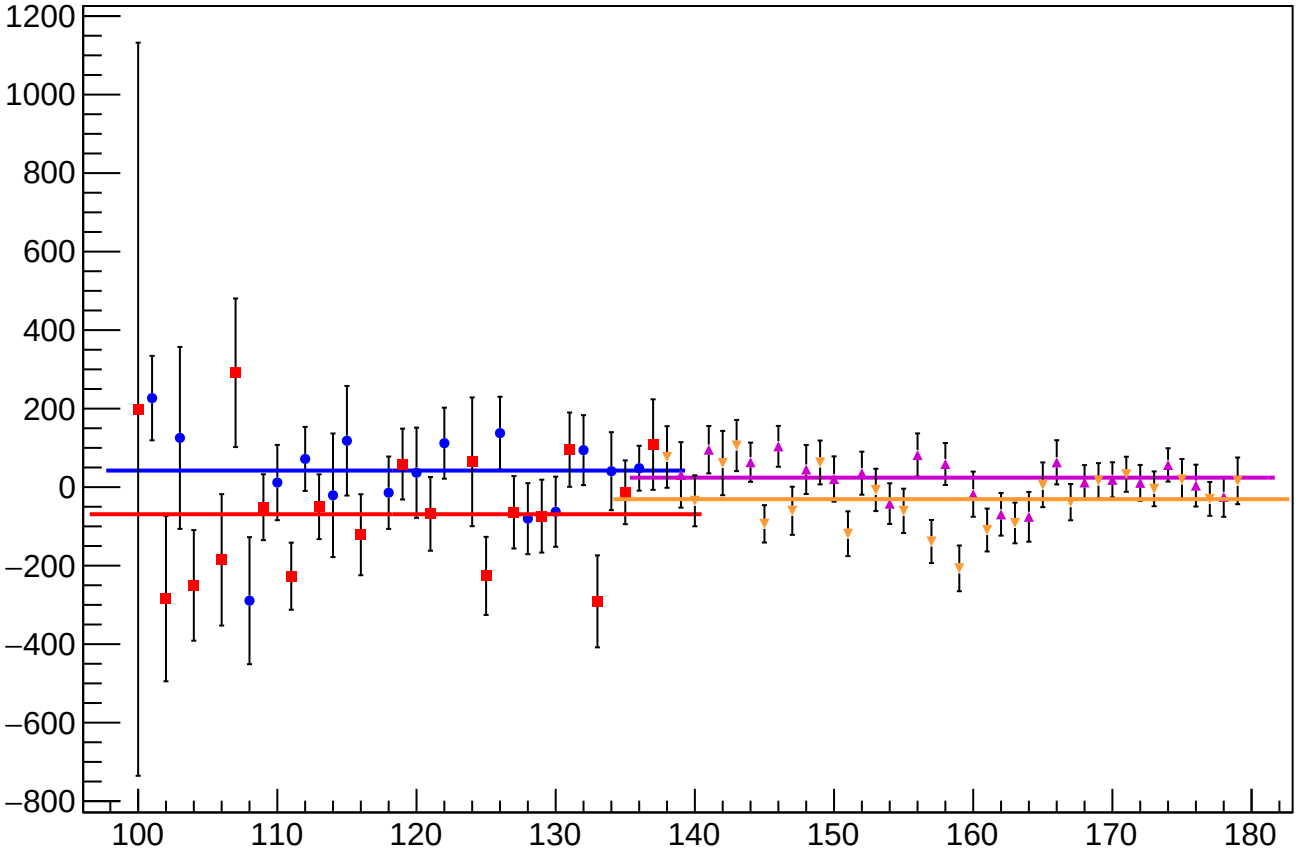
Left In: 256.337+/-0.047 χ^2/NDF:2633715.1/19

+ sign 292.085+/-0.045 χ^2/NDF: 7555412.4/37

All: 287.936+/-0.032 χ^2/NDF: 15318332.5/76

- sign 283.815+/-0.045 χ^2/NDF: 7746304.1/38

cor_asym_sam_37_dd_mean vs Slug



Right In: 42.213+/-24.207 χ^2/NDF: 13.6/15

Left Out: -30.624+/-11.478 χ^2/NDF:37.1/21

Right Out: -69.068+/-24.420 χ^2/NDF: 25.3/18

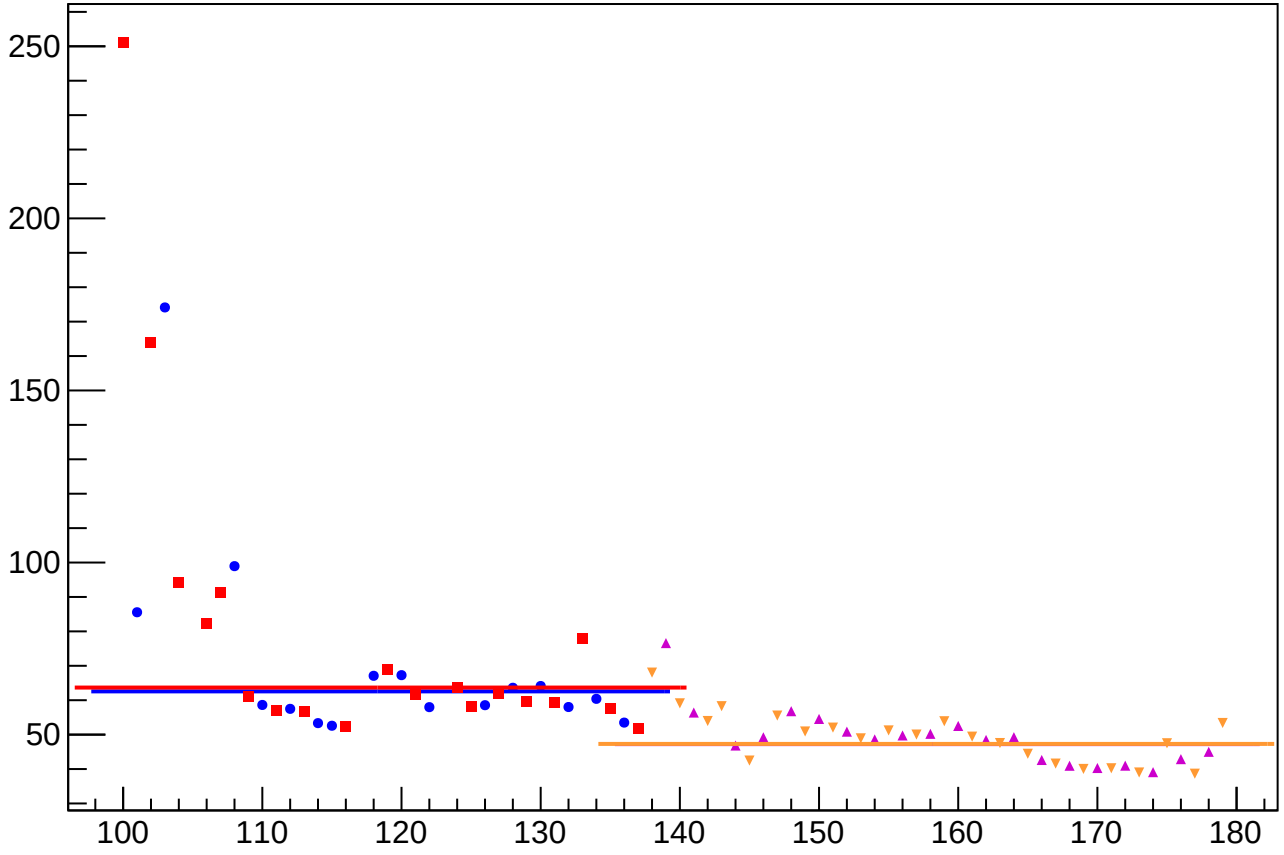
Left In: 24.130+/-11.852 χ^2/NDF:16.0/19

+ sign -17.254+/-10.371 χ^2/NDF: 58.1/37

All: -5.773+/-7.434 χ^2/NDF: 113.6/76

- sign 6.362+/-10.662 χ^2/NDF: 53.0/38

cor_asym_sam_37_dd_rms vs Slug



Right In: 62.566+/-0.017 χ^2/NDF: 758605.6/15

Left Out: 47.300+/-0.008 χ^2/NDF:709899.1/21

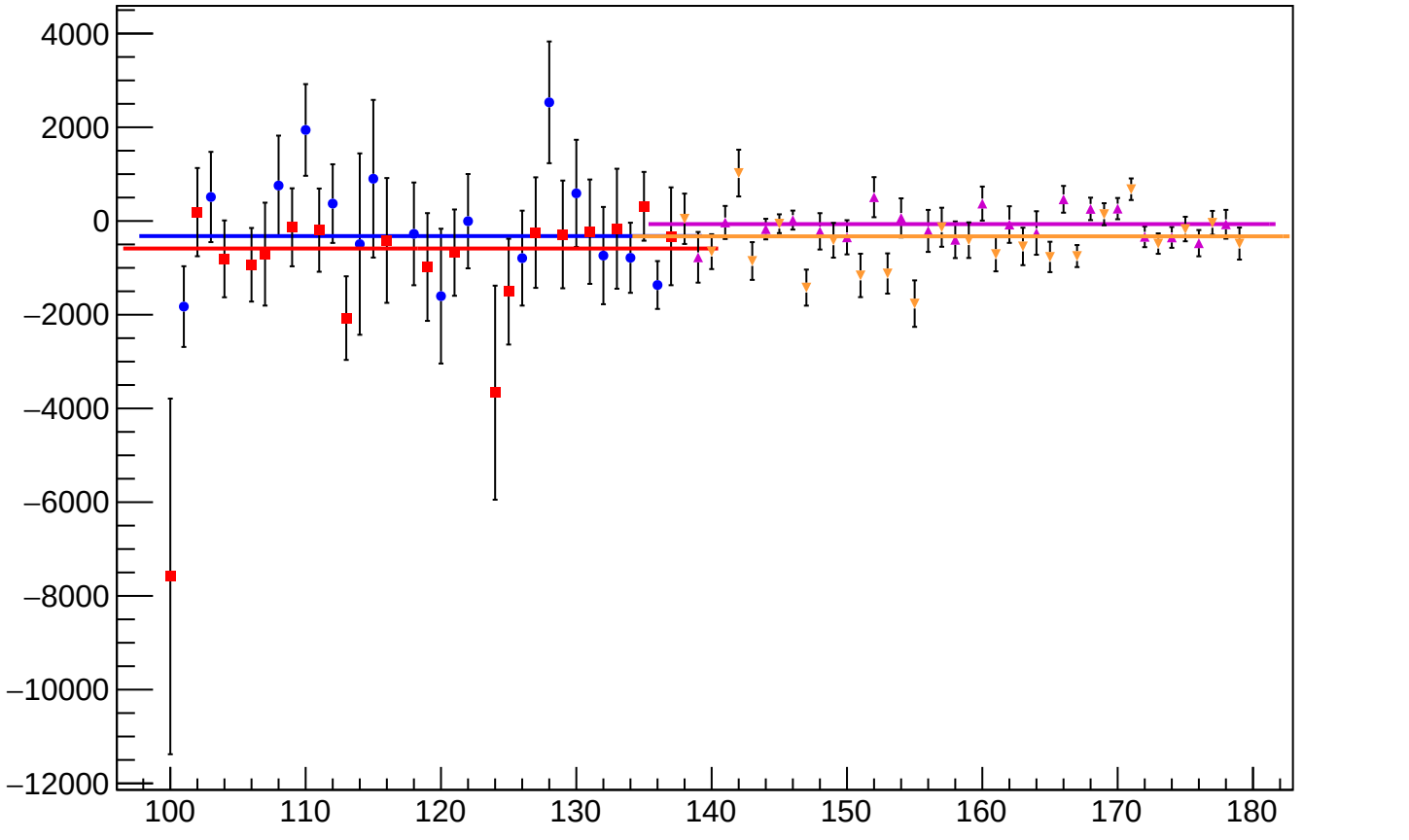
Right Out: 63.675+/-0.017 χ^2/NDF: 831432.5/18

Left In: 47.242+/-0.008 χ^2/NDF:646373.5/19

+ sign 50.102+/-0.007 χ^2/NDF: 2117898.2/37

All: 50.235+/-0.005 χ^2/NDF: 4329454.0/76

- sign 50.375+/-0.008 χ^2/NDF: 2210884.3/38



Right In: -321.660+/-238.484 χ^2/NDF: 22.7/15

Left Out: -327.314+/-66.736 χ^2/NDF:67.3/21

Right Out: -587.224+/-234.080 χ^2/NDF: 12.2/18

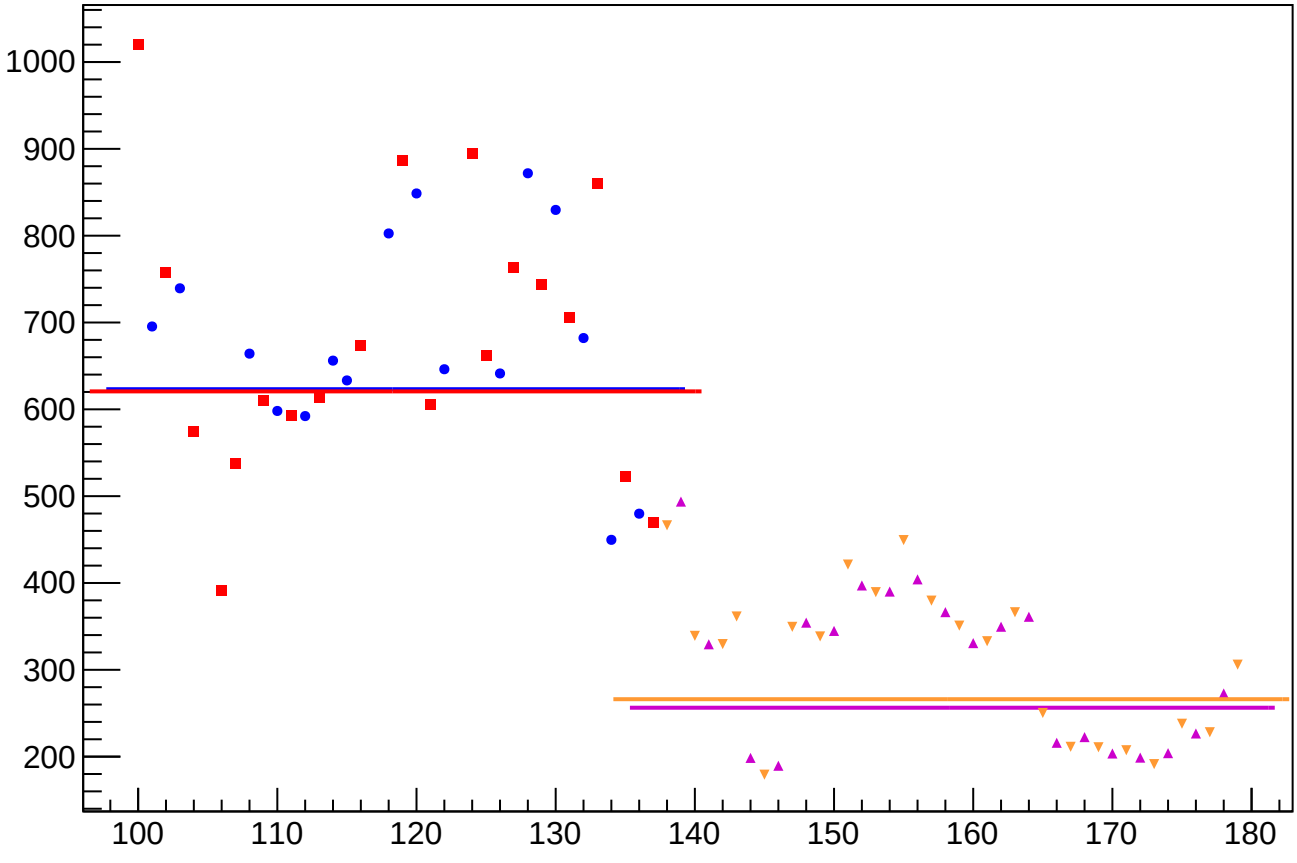
Left In: -66.108+/-66.602 χ^2/NDF:19.9/19

+ sign -326.903+/-64.267 χ^2/NDF: 90.1/37

All: -215.660+/-45.370 χ^2/NDF: 132.7/76

- sign -105.135+/-64.059 χ^2/NDF: 36.7/38

asym_sam_37_dd_cor_correction_rms vs Slug



Right In: 623.184+/-0.169 χ^2/NDF: 565557.0/15

Left Out: 266.157+/-0.047 χ^2/NDF:2833001.8/21

Right Out: 620.673+/-0.166 χ^2/NDF: 610523.8/18

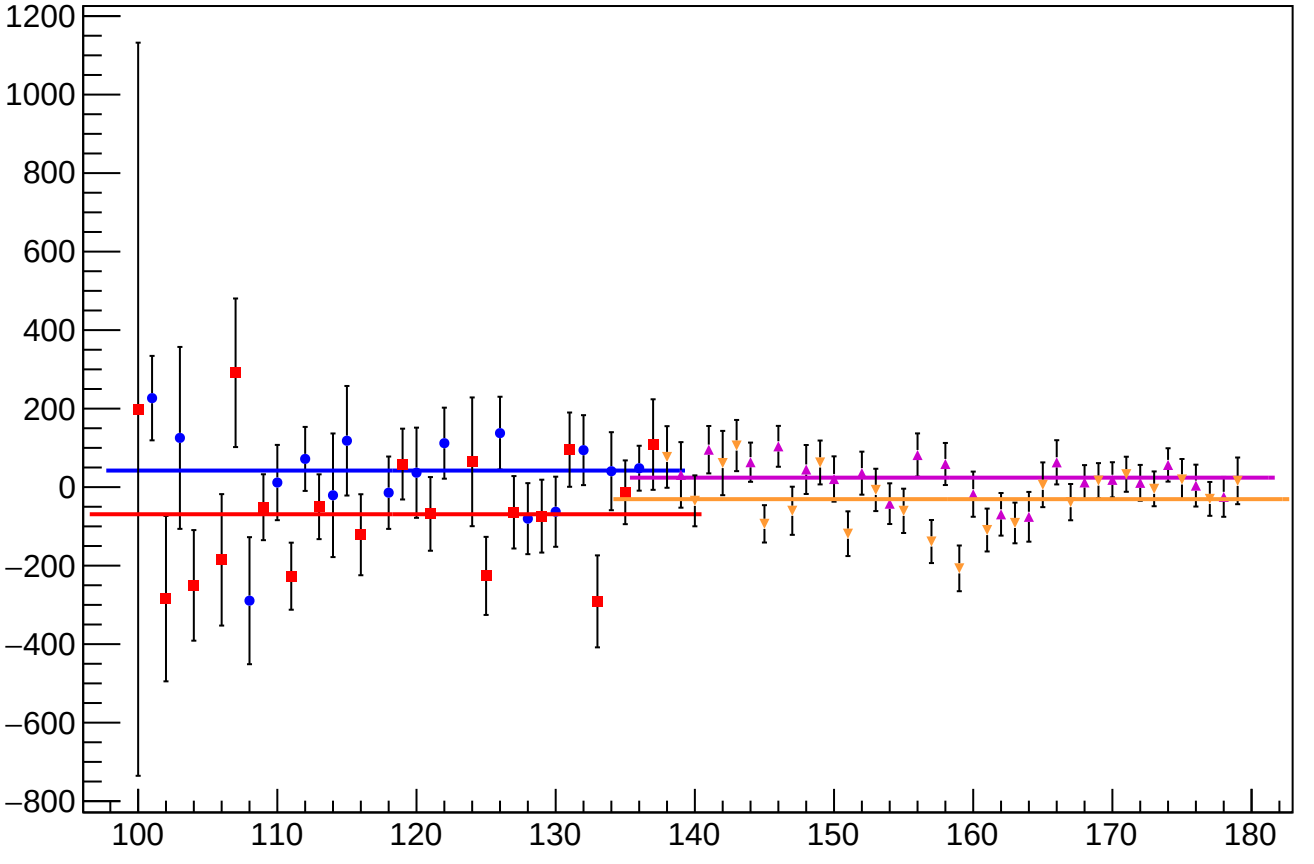
Left In: 256.337+/-0.047 χ^2/NDF:2633710.2/19

+ sign 292.085+/-0.045 χ^2/NDF: 7555473.9/37

All: 287.840+/-0.032 χ^2/NDF: 15299381.4/76

- sign 283.623+/-0.045 χ^2/NDF: 7726513.7/38

eigen_cor_asym_sam_37_dd_mean vs Slug



Right In: 42.213+/-24.207 χ^2/NDF: 13.6/15

Left Out: -30.624+/-11.478 χ^2/NDF:37.1/21

Right Out: -69.068+/-24.420 χ^2/NDF: 25.3/18

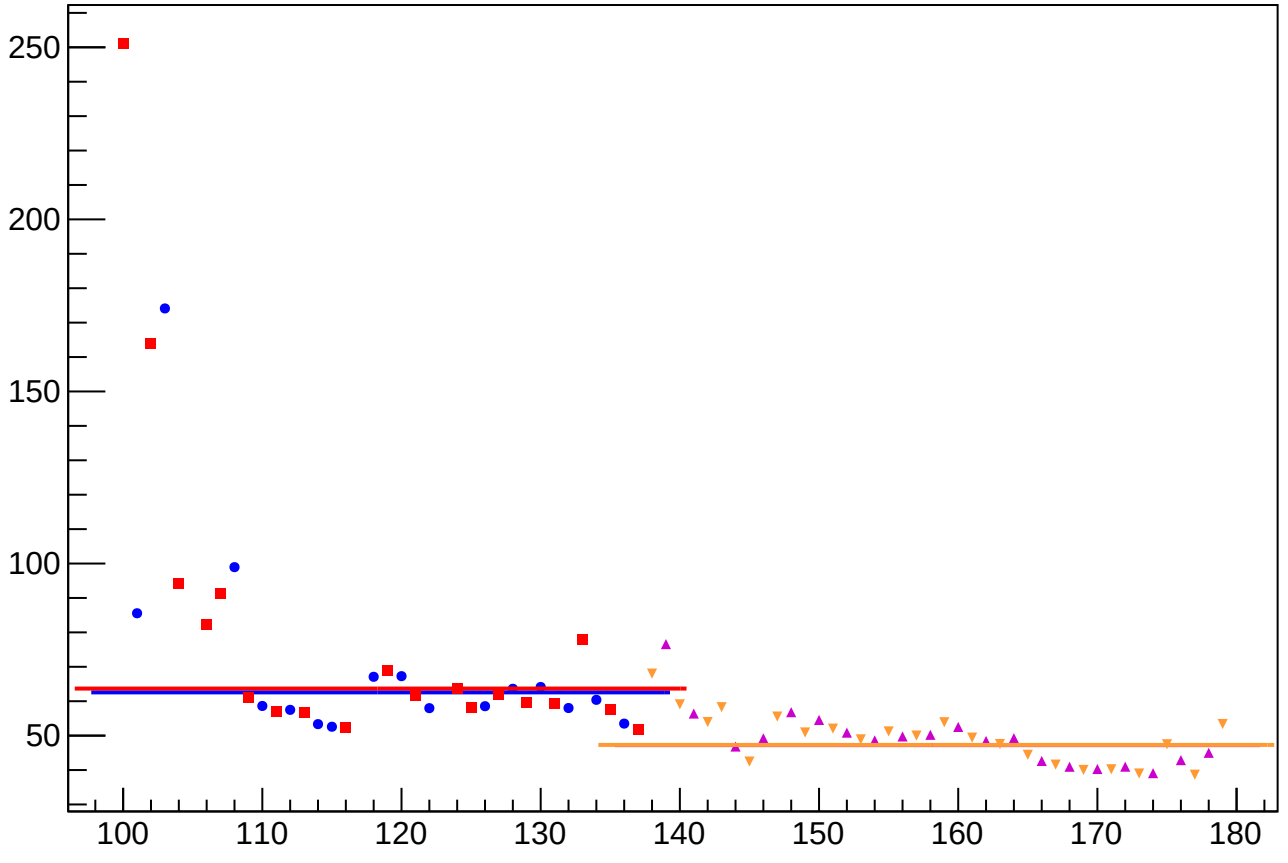
Left In: 24.130+/-11.852 χ^2/NDF:16.0/19

+ sign -17.254+/-10.371 χ^2/NDF: 58.1/37

All: -5.773+/-7.434 χ^2/NDF: 113.6/76

- sign 6.362+/-10.662 χ^2/NDF: 53.0/38

eigen_cor_asym_sam_37_dd_rms vs Slug



Right In: 62.566+/-0.017 χ^2/NDF: 758605.6/15

Left Out: 47.300+/-0.008 χ^2/NDF:709899.1/21

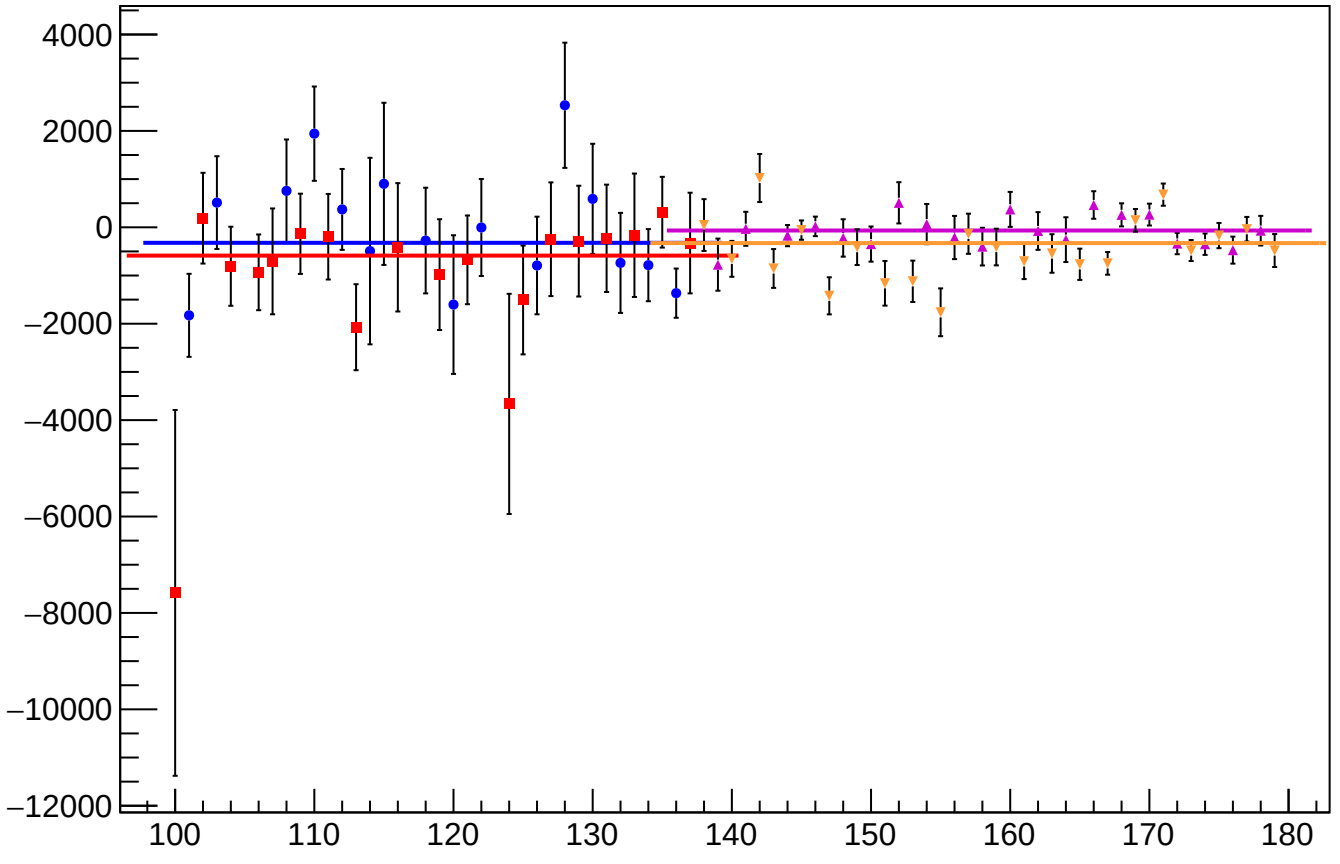
Right Out: 63.675+/-0.017 χ^2/NDF: 831432.5/18

Left In: 47.242+/-0.008 χ^2/NDF:646373.5/19

+ sign 50.102+/-0.007 χ^2/NDF: 2117898.2/37

All: 50.235+/-0.005 χ^2/NDF: 4329454.0/76

- sign 50.375+/-0.008 χ^2/NDF: 2210884.3/38



Right In: -321.660+/-238.484 χ^2/NDF: 22.7/15

Left Out: -327.314+/-66.736 χ^2/NDF:67.3/21

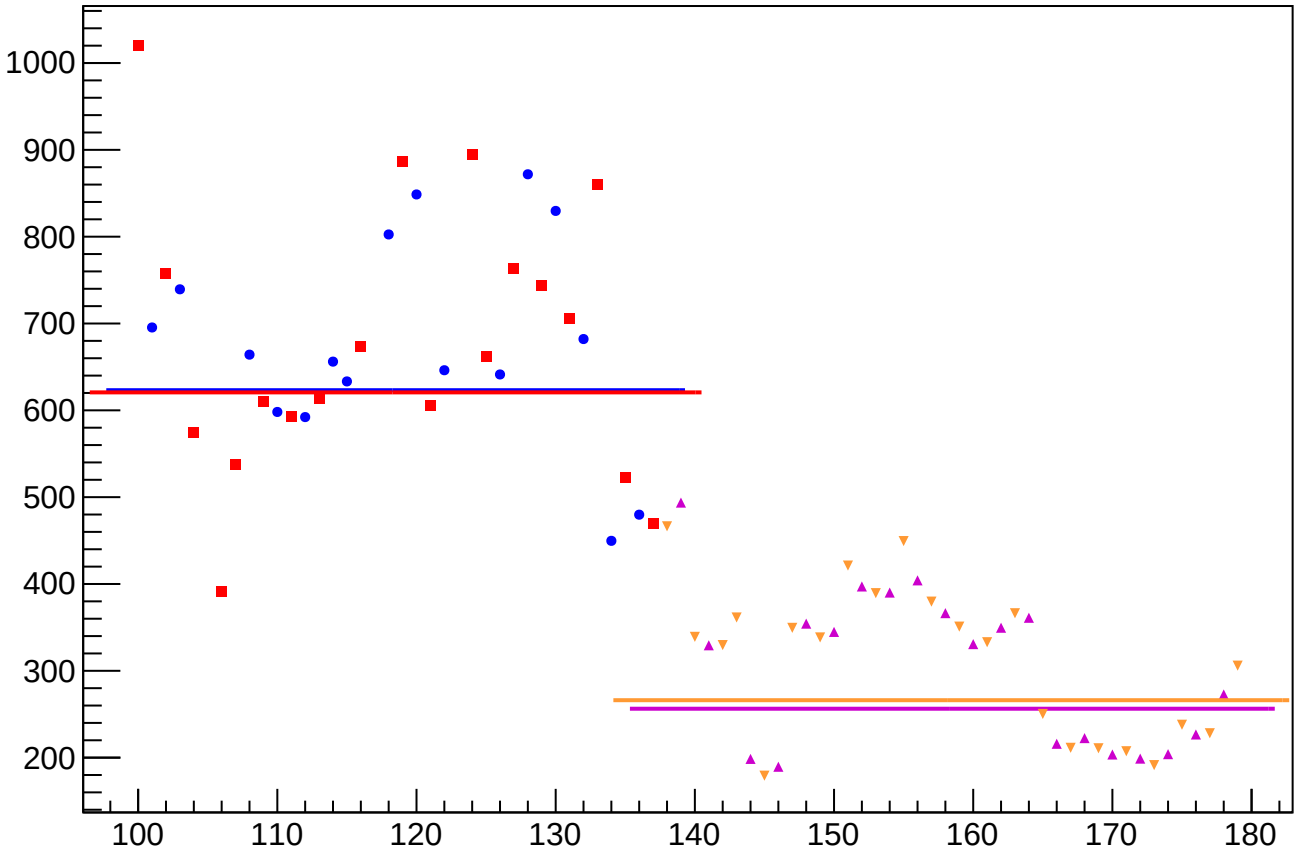
Right Out: -587.224+/-234.080 χ^2/NDF: 12.2/18

Left In: -66.108+/-66.602 χ^2/NDF:19.9/19

+ sign -326.903+/-64.267 χ^2/NDF: 90.1/37

All: -215.660+/-45.370 χ^2/NDF: 132.7/76

- sign -105.135+/-64.059 χ^2/NDF: 36.7/38



Right In: 623.184+/-0.169 χ^2/NDF: 565557.0/15

Left Out: 266.157+/-0.047 χ^2/NDF:2833001.8/21

Right Out: 620.673+/-0.166 χ^2/NDF: 610523.8/18

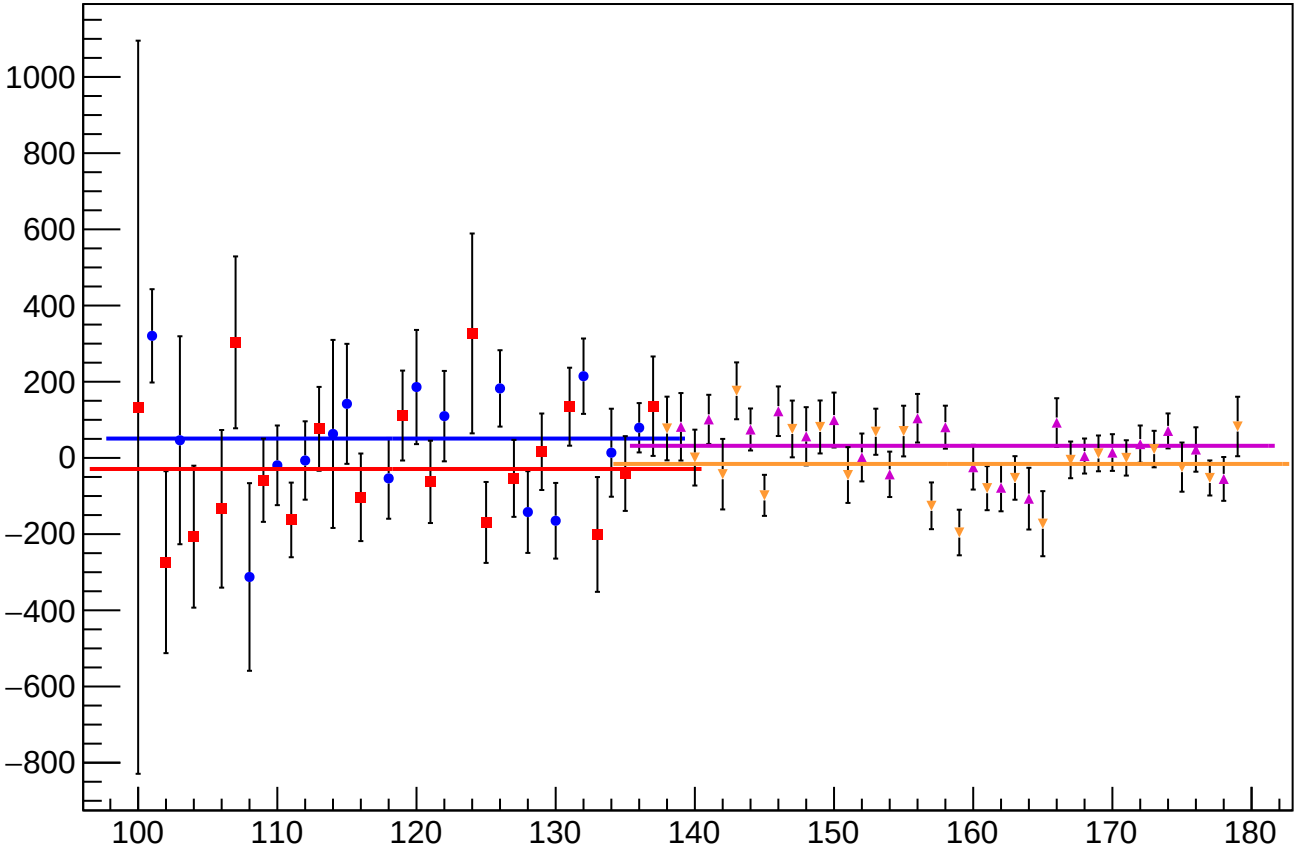
Left In: 256.337+/-0.047 χ^2/NDF:2633710.2/19

+ sign 292.085+/-0.045 χ^2/NDF: 7555473.9/37

All: 287.840+/-0.032 χ^2/NDF: 15299381.4/76

- sign 283.623+/-0.045 χ^2/NDF: 7726513.7/38

dit_asym_sam_37_dd_mean vs Slug



Right In: 50.840+/-28.316 χ^2/NDF: 22.9/15

Left Out: -15.771+/-12.919 χ^2/NDF:38.3/21

Right Out: -29.040+/-28.910 χ^2/NDF: 18.5/18

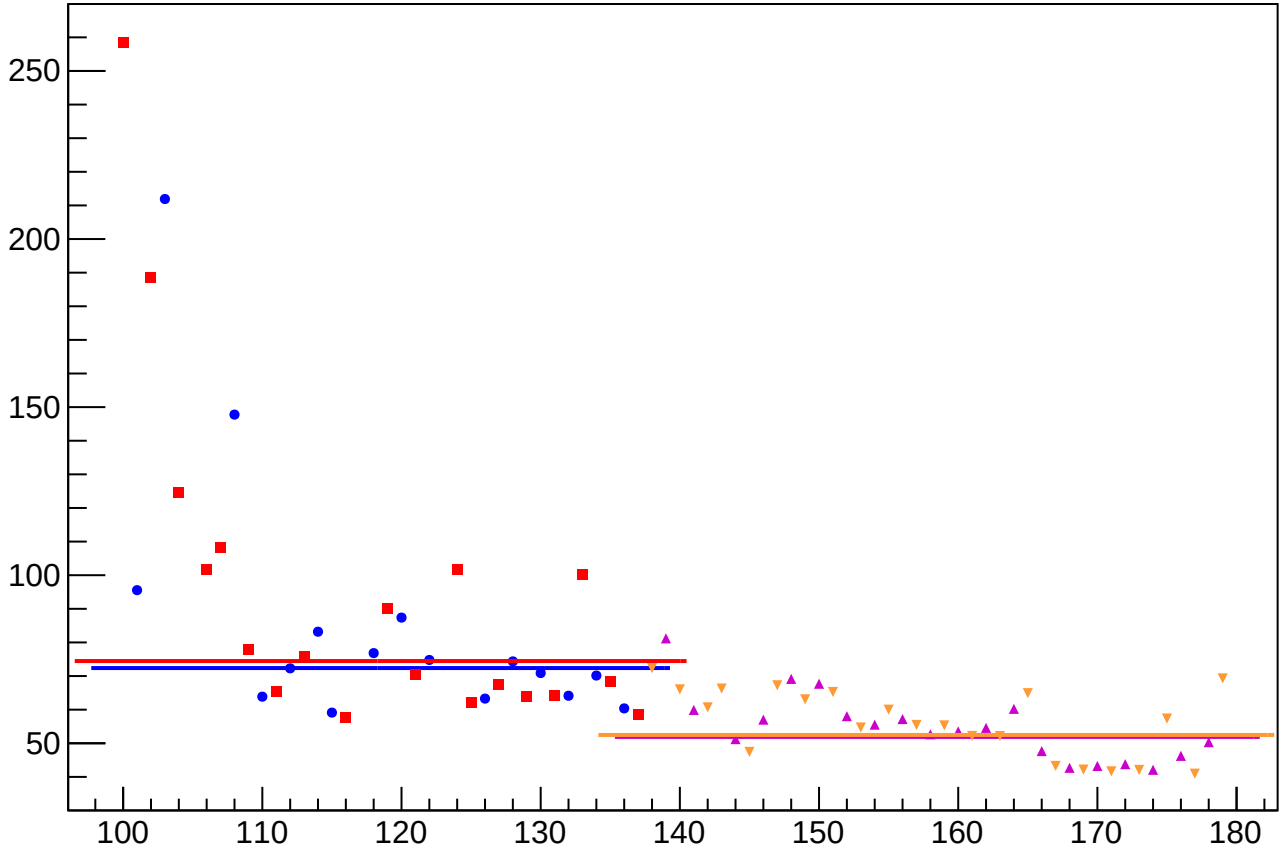
Left In: 31.810+/-13.205 χ^2/NDF:20.3/19

+ sign -4.294+/-11.754 χ^2/NDF: 65.7/37

All: 8.228+/-8.401 χ^2/NDF: 110.5/76

- sign 21.306+/-12.012 χ^2/NDF: 42.5/38

dit_asym_sam_37_dd_rms vs Slug



Right In: 72.378+/-0.020 χ^2/NDF: 938175.3/15

Left Out: 52.478+/-0.009 χ^2/NDF:1151623.7/21

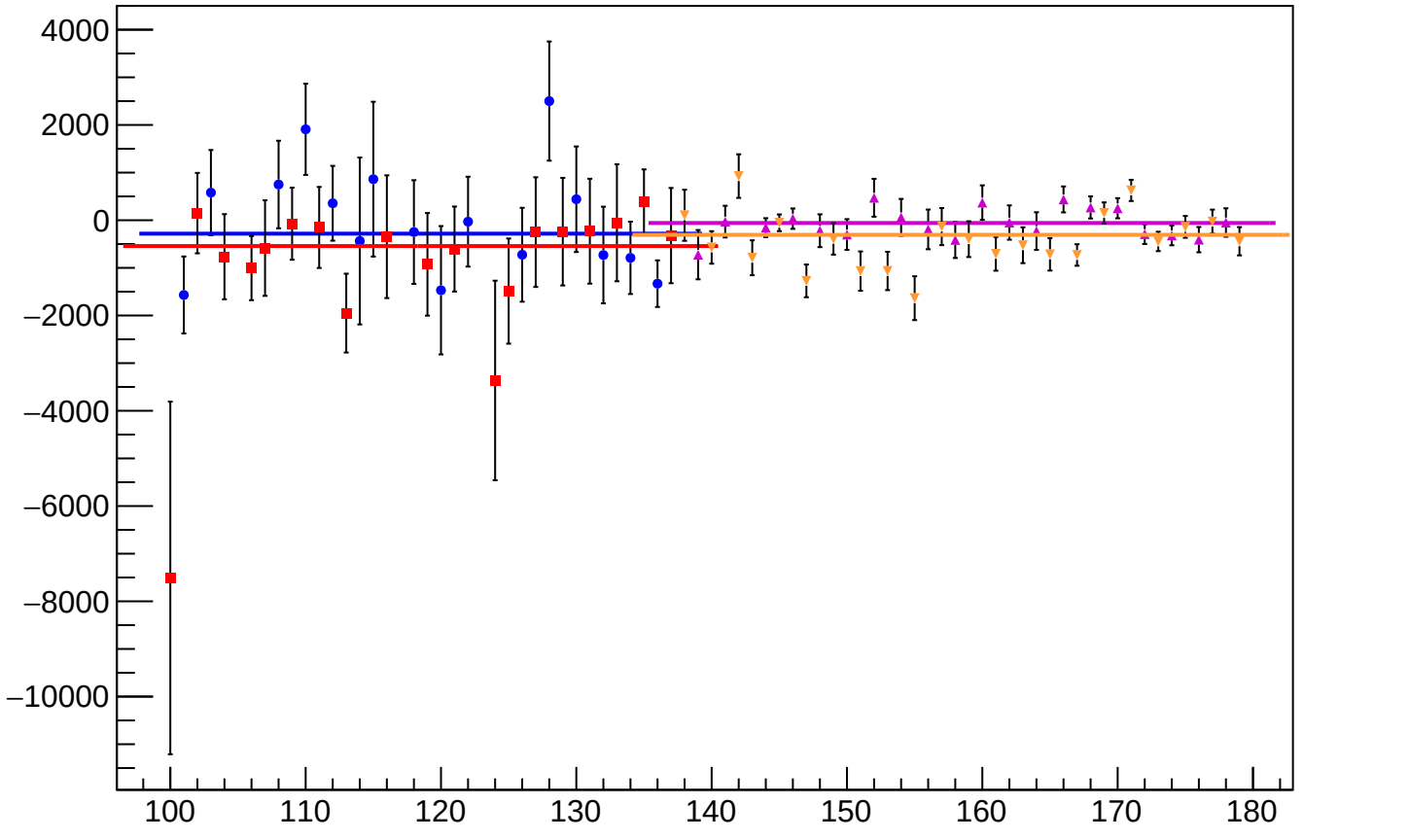
Right Out: 74.463+/-0.020 χ^2/NDF: 1052296.6/18

Left In: 51.891+/-0.009 χ^2/NDF:847824.3/19

+ sign 55.907+/-0.008 χ^2/NDF: 2907370.4/37

All: 55.849+/-0.006 χ^2/NDF: 5816362.2/76

- sign 55.788+/-0.008 χ^2/NDF: 2908891.5/38



Right In: -282.039+/-227.789 χ^2/NDF: 22.8/15

Left Out: -306.633+/-62.144 χ^2/NDF:66.5/21

Right Out: -542.028+/-220.904 χ^2/NDF: 13.3/18

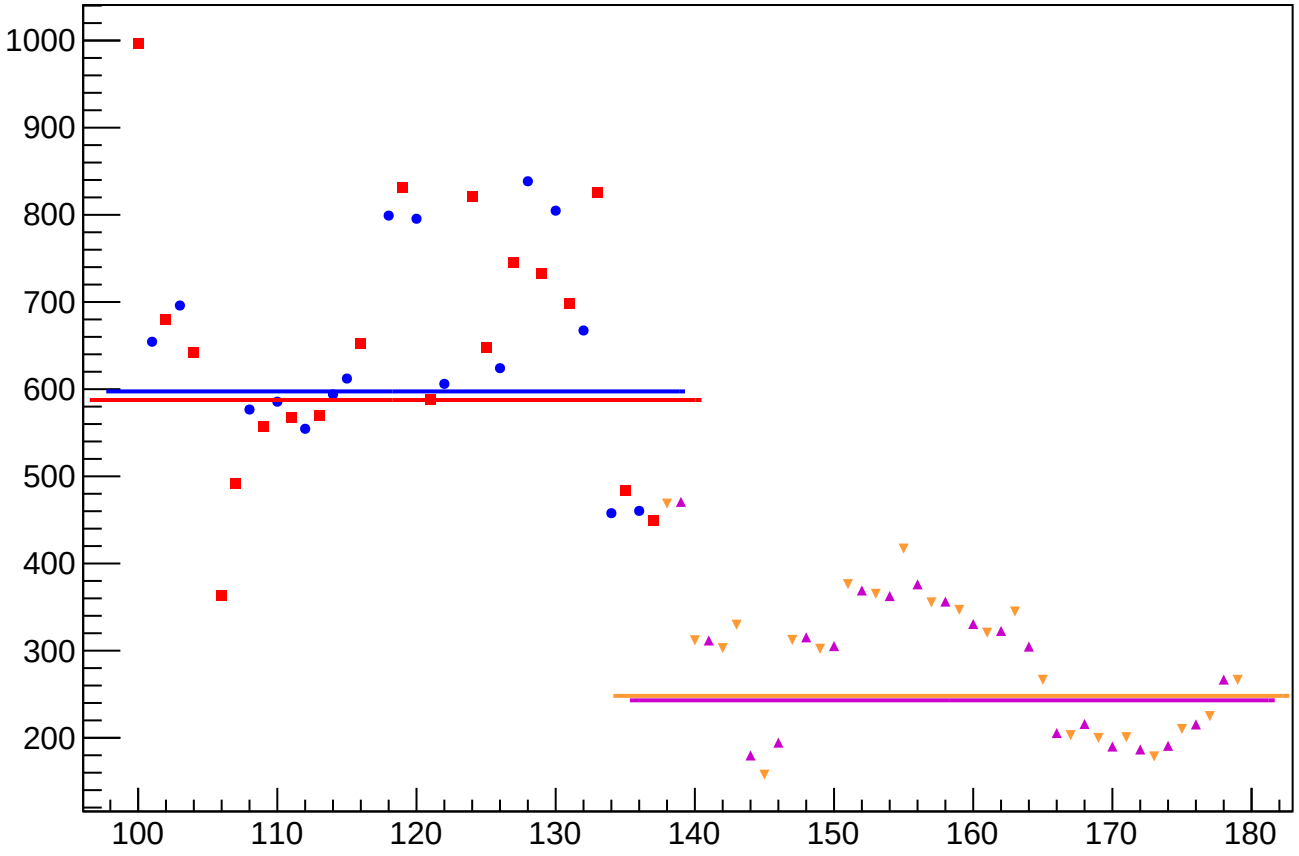
Left In: -57.764+/-63.035 χ^2/NDF:19.3/19

+ sign -304.930+/-59.953 χ^2/NDF: 89.3/37

All: -200.736+/-42.626 χ^2/NDF: 132.5/76

- sign -94.226+/-60.616 χ^2/NDF: 37.0/38

asym_sam_37_dd_dit_correction_rms vs Slug



Right In: 597.438+/-0.161 χ^2/NDF: 533791.9/15

Left Out: 248.156+/-0.044 χ^2/NDF:2912216.1/21

Right Out: 587.565+/-0.156 χ^2/NDF: 689035.8/18

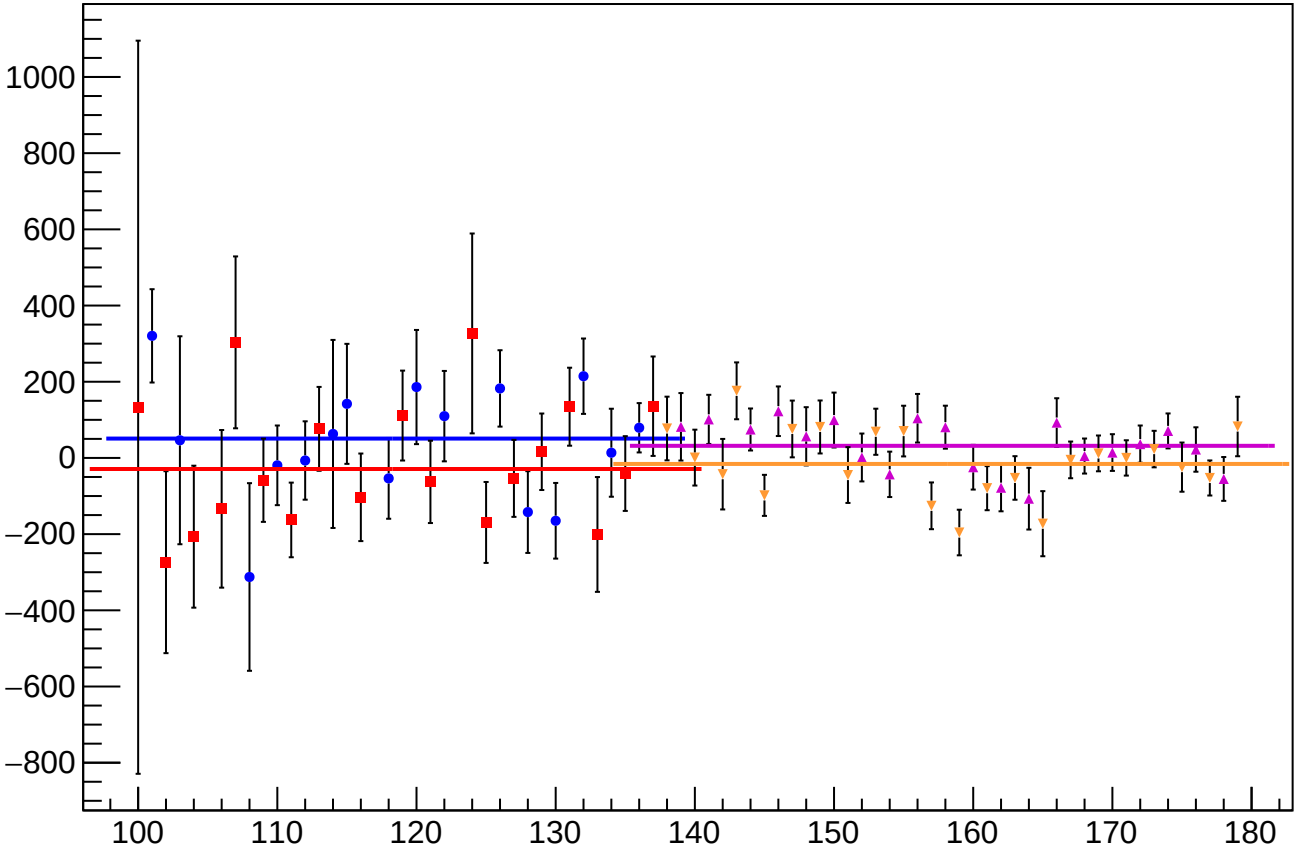
Left In: 243.030+/-0.045 χ^2/NDF:2478249.7/19

+ sign 272.351+/-0.042 χ^2/NDF: 7822637.6/37

All: 270.680+/-0.030 χ^2/NDF: 15491813.0/76

- sign 268.972+/-0.043 χ^2/NDF: 7666033.4/38

eigen_dit_asym_sam_37_dd_mean vs Slug



Right In: 50.840+/-28.316 χ^2/NDF: 22.9/15

Left Out: -15.770+/-12.919 χ^2/NDF:38.3/21

Right Out: -29.038+/-28.910 χ^2/NDF: 18.5/18

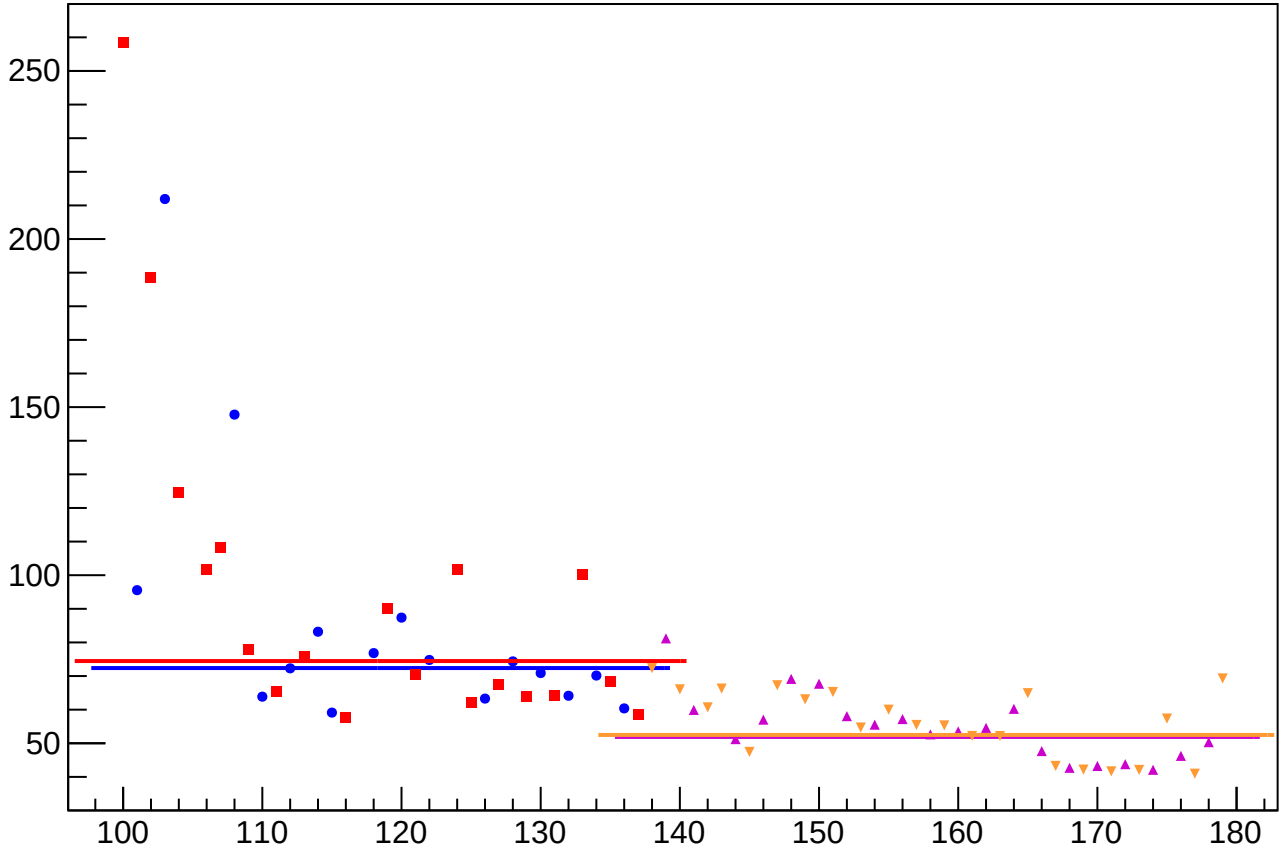
Left In: 31.810+/-13.205 χ^2/NDF:20.3/19

+ sign -4.293+/-11.754 χ^2/NDF: 65.7/37

All: 8.229+/-8.401 χ^2/NDF: 110.5/76

- sign 21.306+/-12.012 χ^2/NDF: 42.5/38

eigen_dit_asym_sam_37_dd_rms vs Slug



Right In: 72.378+/-0.020 χ^2/NDF: 938180.0/15

Left Out: 52.478+/-0.009 χ^2/NDF:1151652.2/21

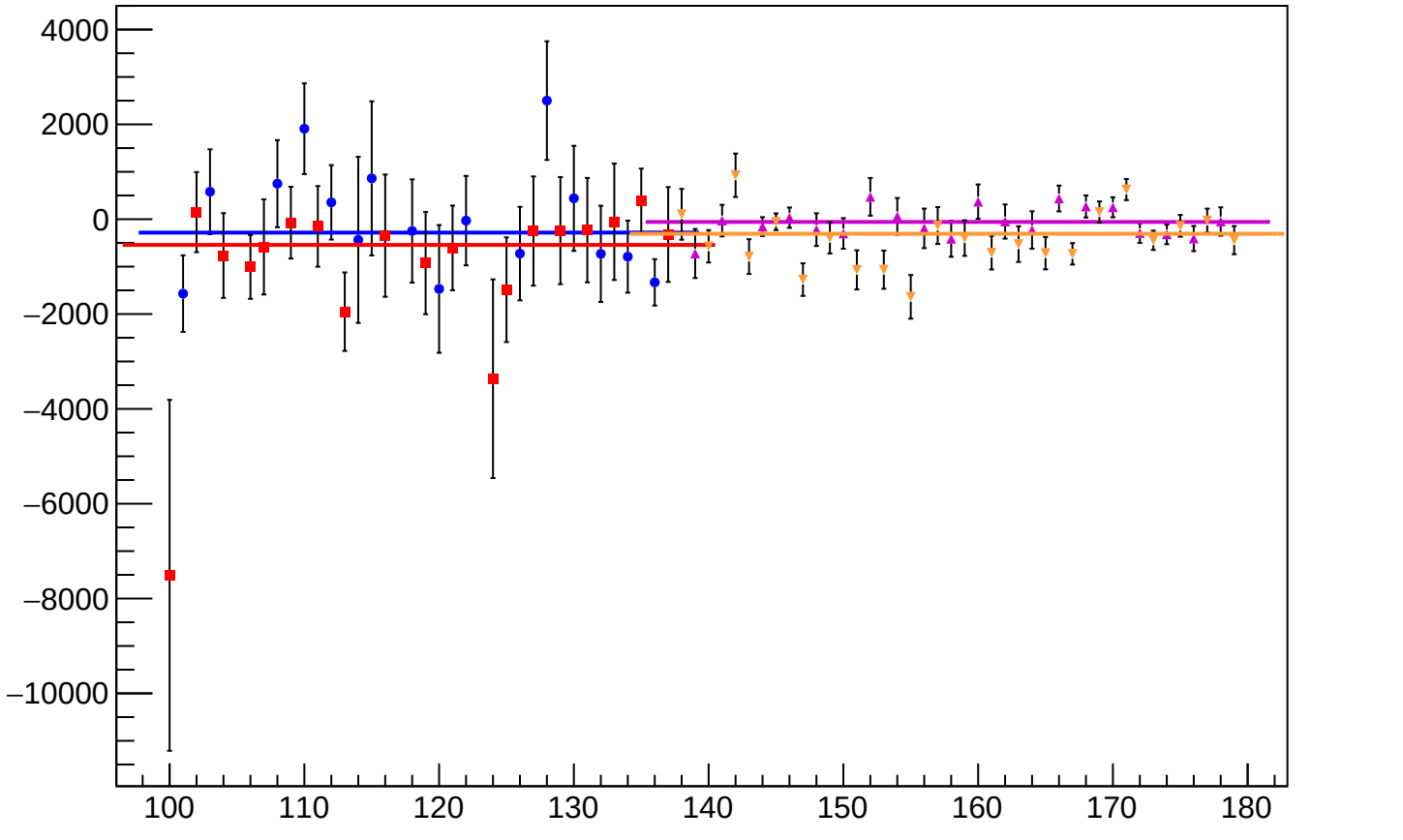
Right Out: 74.463+/-0.020 χ^2/NDF: 1052290.0/18

Left In: 51.891+/-0.009 χ^2/NDF:847834.4/19

+ sign 55.907+/-0.008 χ^2/NDF: 2907387.6/37

All: 55.849+/-0.006 χ^2/NDF: 5816370.9/76

- sign 55.788+/-0.008 χ^2/NDF: 2908883.1/38



Right In: -282.038+/-227.789 χ^2/NDF: 22.8/15

Left Out: -306.634+/-62.144 χ^2/NDF:66.5/21

Right Out: -542.028+/-220.904 χ^2/NDF: 13.3/18

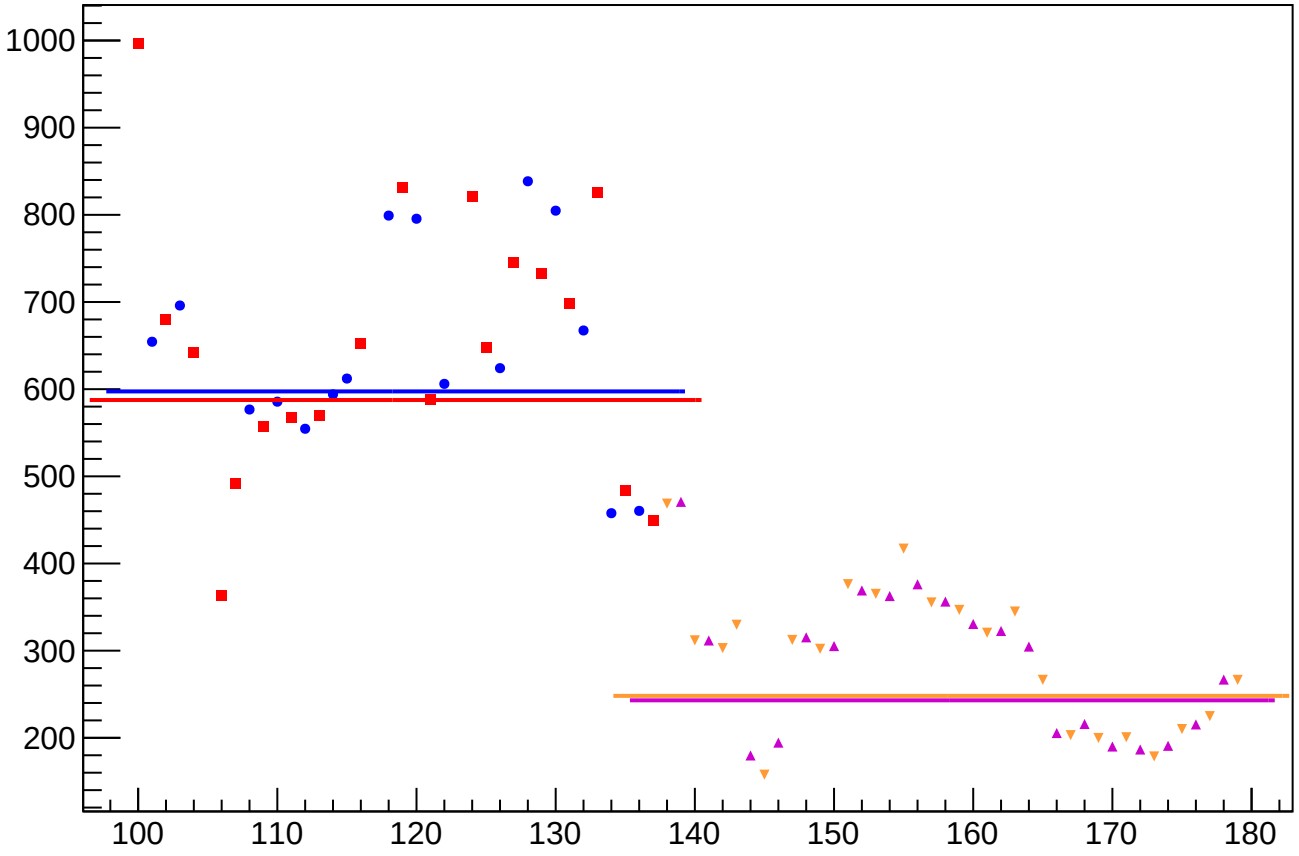
Left In: -57.763+/-63.035 χ^2/NDF:19.3/19

+ sign -304.930+/-59.953 χ^2/NDF: 89.3/37

All: -200.735+/-42.626 χ^2/NDF: 132.5/76

- sign -94.226+/-60.616 χ^2/NDF: 37.0/38

asym_sam_37_dd_eigen_dit_correction_rms vs Slug



Right In: 597.439+/-0.161 χ^2/NDF: 533790.1/15

Left Out: 248.156+/-0.044 χ^2/NDF:2912205.7/21

Right Out: 587.565+/-0.156 χ^2/NDF: 689033.6/18

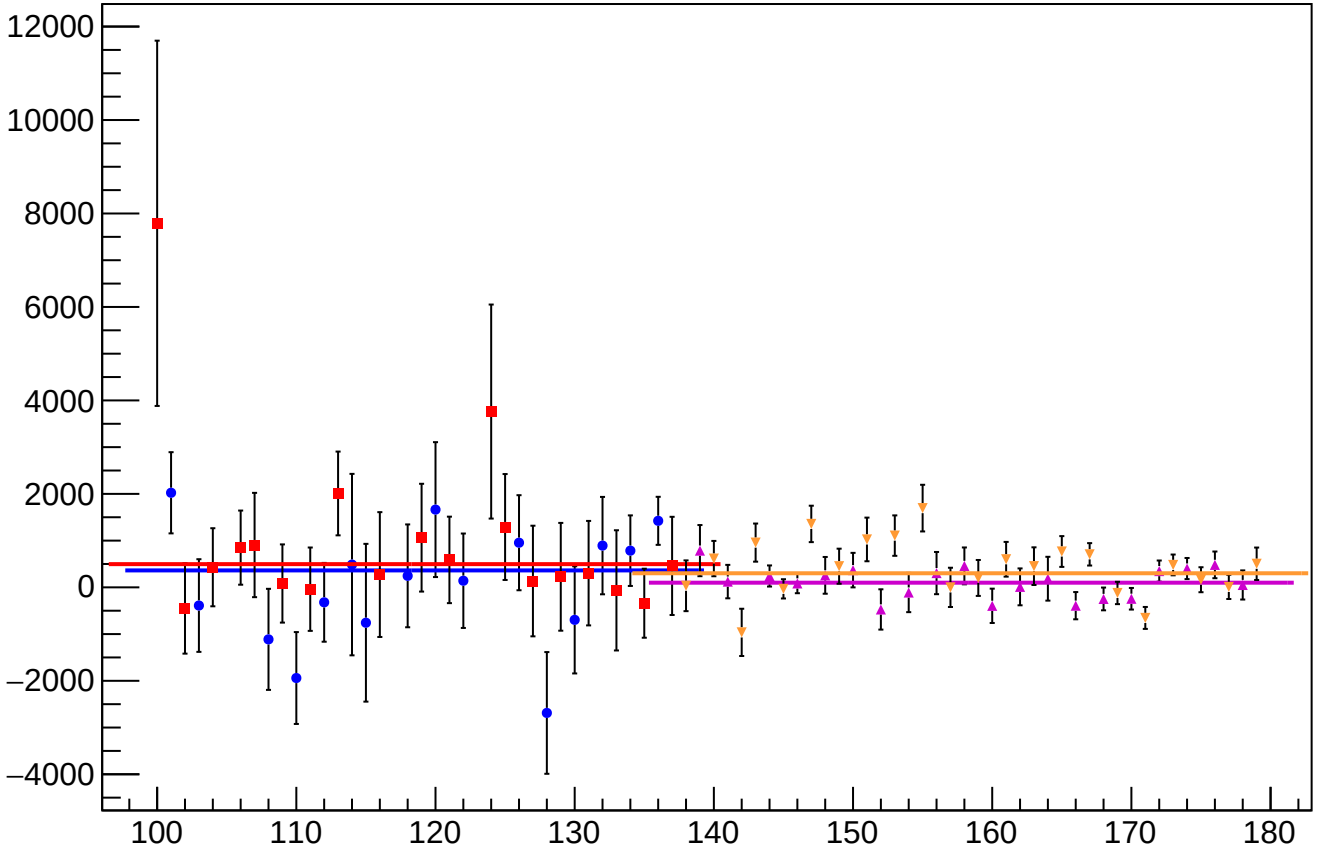
Left In: 243.030+/-0.045 χ^2/NDF:2478243.1/19

+ sign 272.351+/-0.042 χ^2/NDF: 7822633.5/37

All: 270.680+/-0.030 χ^2/NDF: 15491803.8/76

- sign 268.972+/-0.043 χ^2/NDF: 7666028.0/38

asym_sam_37_dd_mean vs Slug



Right In: 362.384+/-240.303 χ^2/NDF: 25.1/15

Left Out: 301.434+/-67.867 χ^2/NDF:62.0/21

Right Out: 496.639+/-236.029 χ^2/NDF: 12.7/18

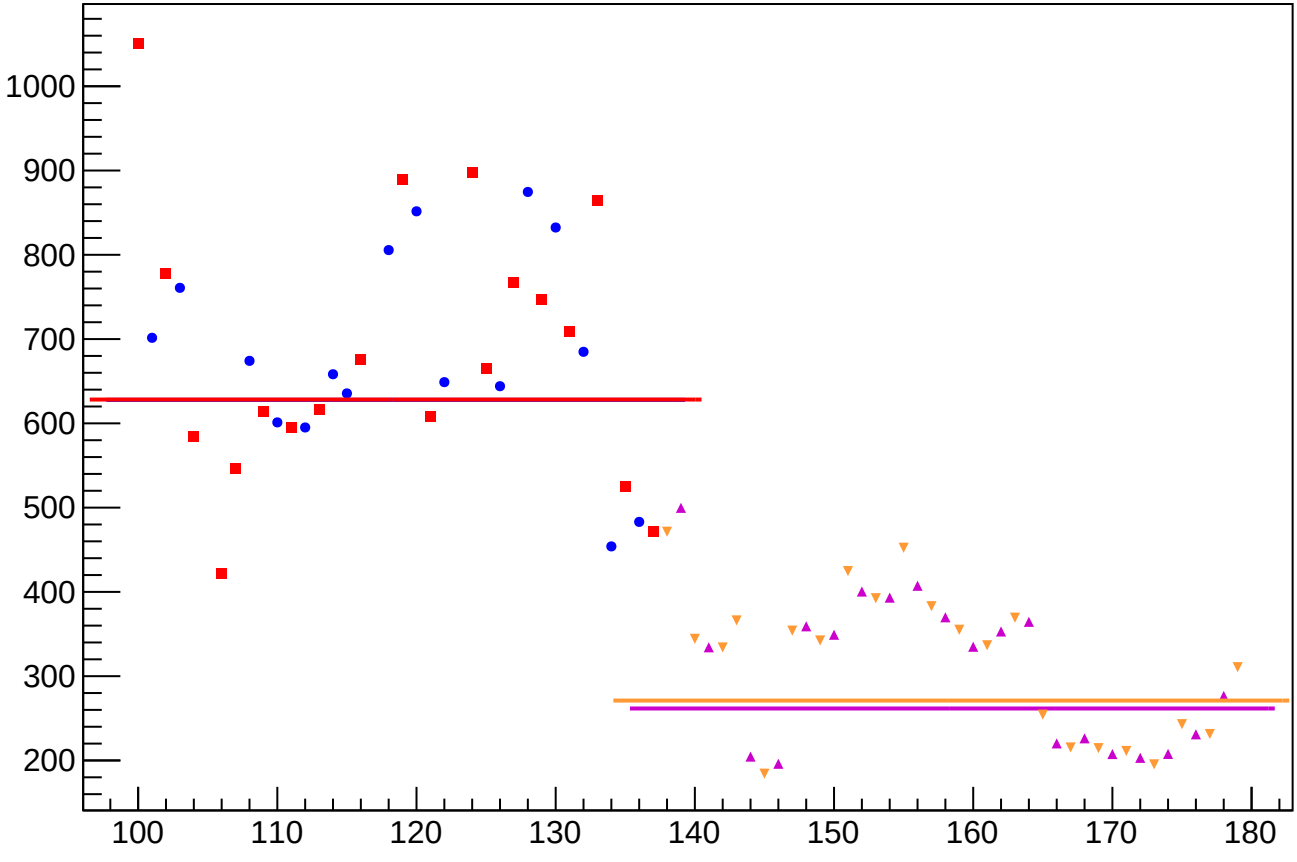
Left In: 99.630+/-67.855 χ^2/NDF:19.5/19

+ sign 305.937+/-65.313 χ^2/NDF: 87.1/37

All: 217.804+/-46.148 χ^2/NDF: 125.6/76

- sign 129.938+/-65.214 χ^2/NDF: 34.8/38

asym_sam_37_dd_rms vs Slug



Right In: 627.896+/-0.170 χ^2/NDF: 566795.7/15

Left Out: 271.073+/-0.048 χ^2/NDF:2742952.0/21

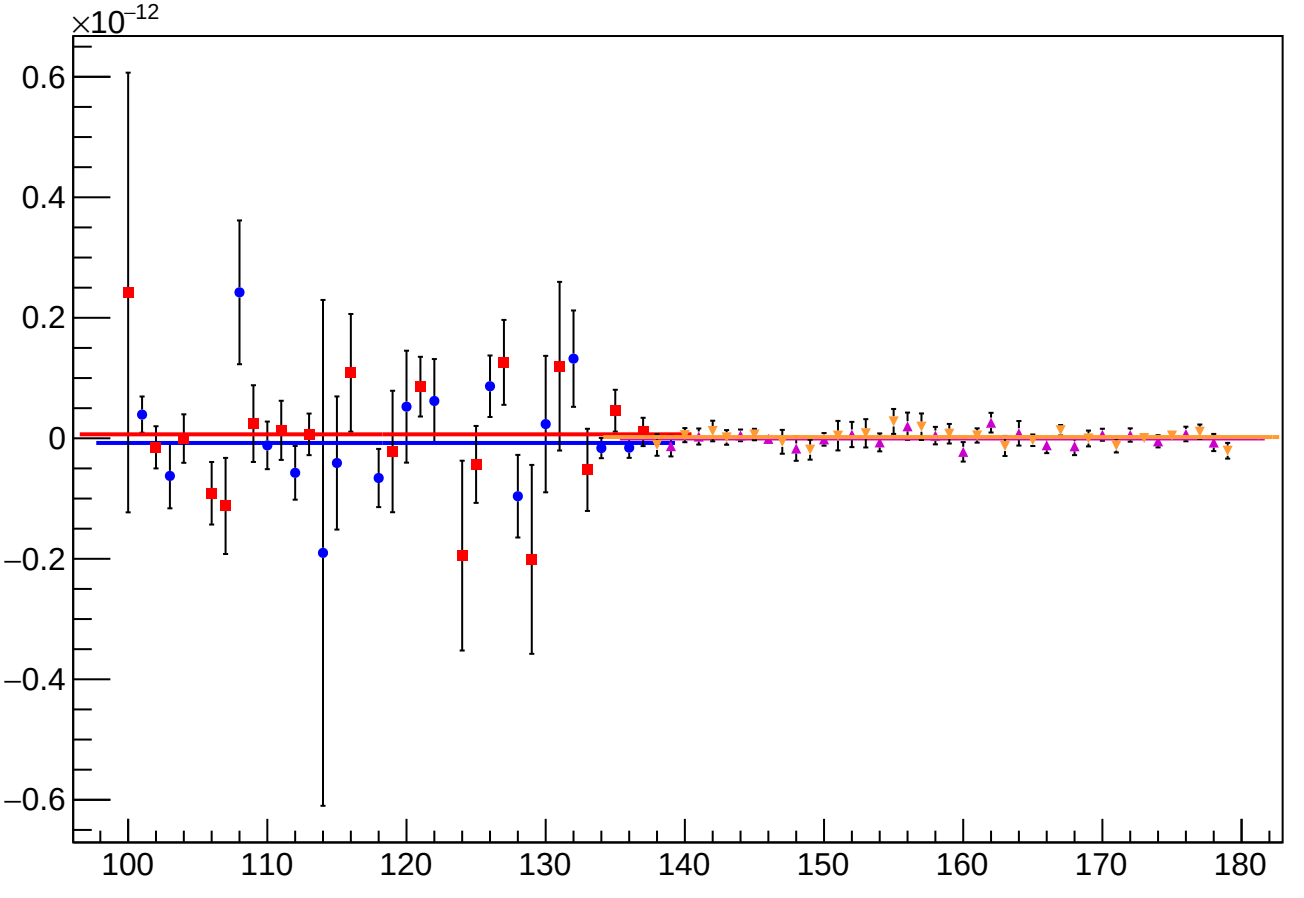
Right Out: 628.250+/-0.167 χ^2/NDF: 570979.3/18

Left In: 261.658+/-0.048 χ^2/NDF:2532245.5/19

+ sign 297.432+/-0.046 χ^2/NDF: 7393769.5/37

All: 293.532+/-0.033 χ^2/NDF: 14967574.3/76

- sign 289.643+/-0.046 χ^2/NDF: 7559562.5/38



Right In: -0.000+/-0.000 χ^2/NDF: 21.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.3/21

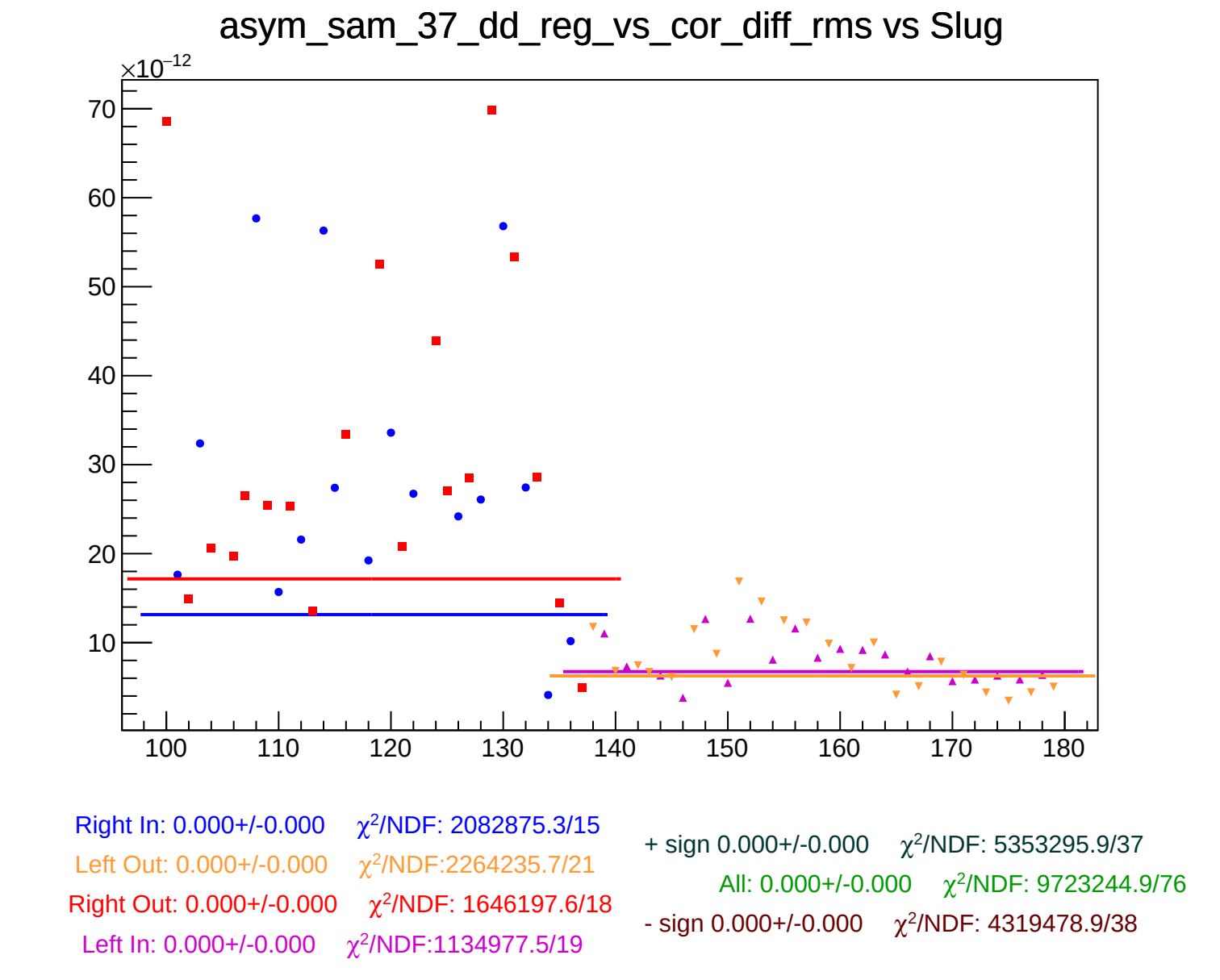
Right Out: 0.000+/-0.000 χ^2/NDF: 20.0/18

Left In: -0.000+/-0.000 χ^2/NDF:10.4/19

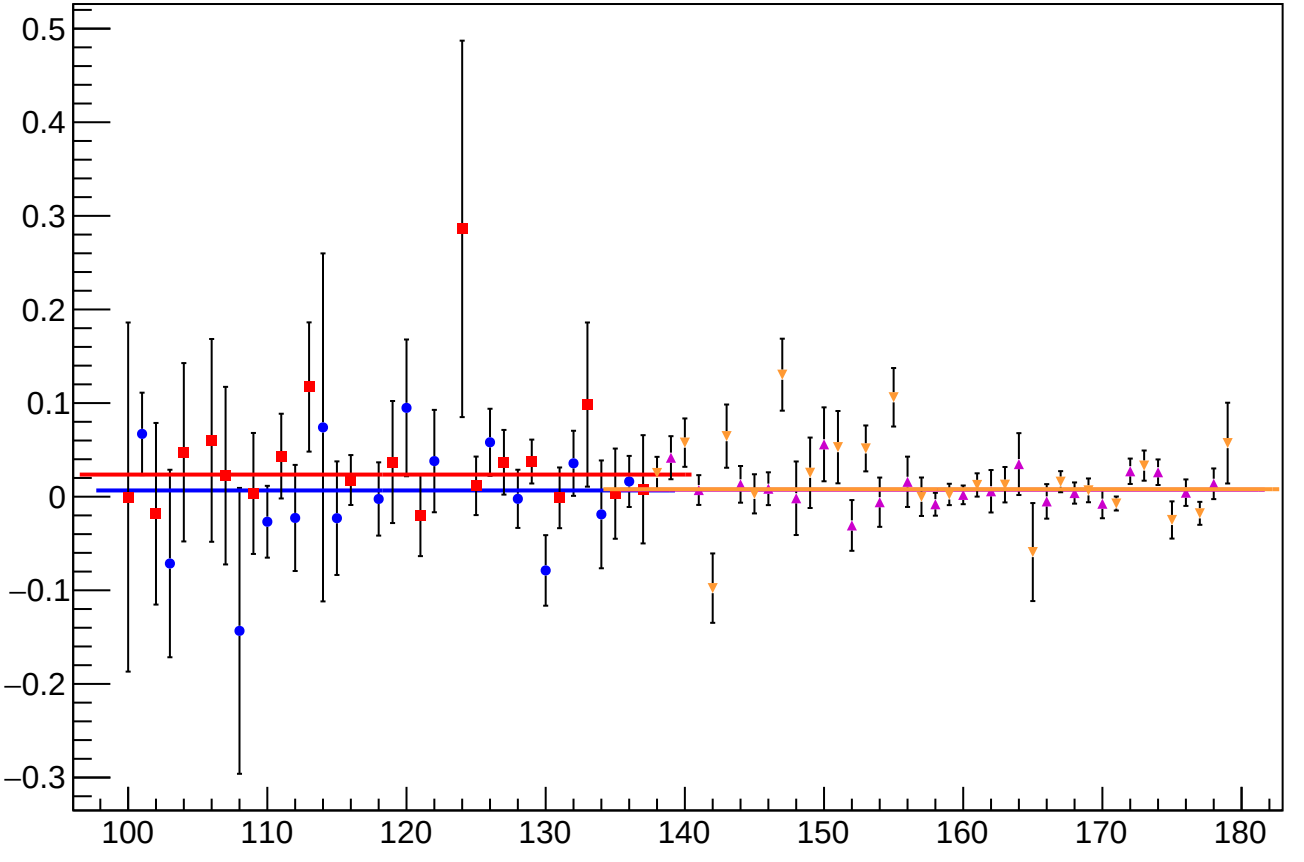
+ sign 0.000+/-0.000 χ^2/NDF: 35.3/37

All: 0.000+/-0.000 χ^2/NDF: 66.1/76

- sign 0.000+/-0.000 χ^2/NDF: 30.7/38


asym_sam_37_dd_reg_vs_cor_diff_rms vs Slug
×10^−12
70
60
50
40
30
20
10
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2082875.3/15
Left Out: 0.000+/-0.000 χ²/NDF:2264235.7/21
Right Out: 0.000+/-0.000 χ²/NDF: 1646197.6/18
Left In: 0.000+/-0.000 χ²/NDF:1134977.5/19
+ sign 0.000+/-0.000 χ²/NDF: 5353295.9/37
All: 0.000+/-0.000 χ²/NDF: 9723244.9/76
- sign 0.000+/-0.000 χ²/NDF: 4319478.9/38

asym_sam_37_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.008+/-0.004 χ^2/NDF:58.3/21

Right Out: 0.024+/-0.011 χ^2/NDF: 7.5/18

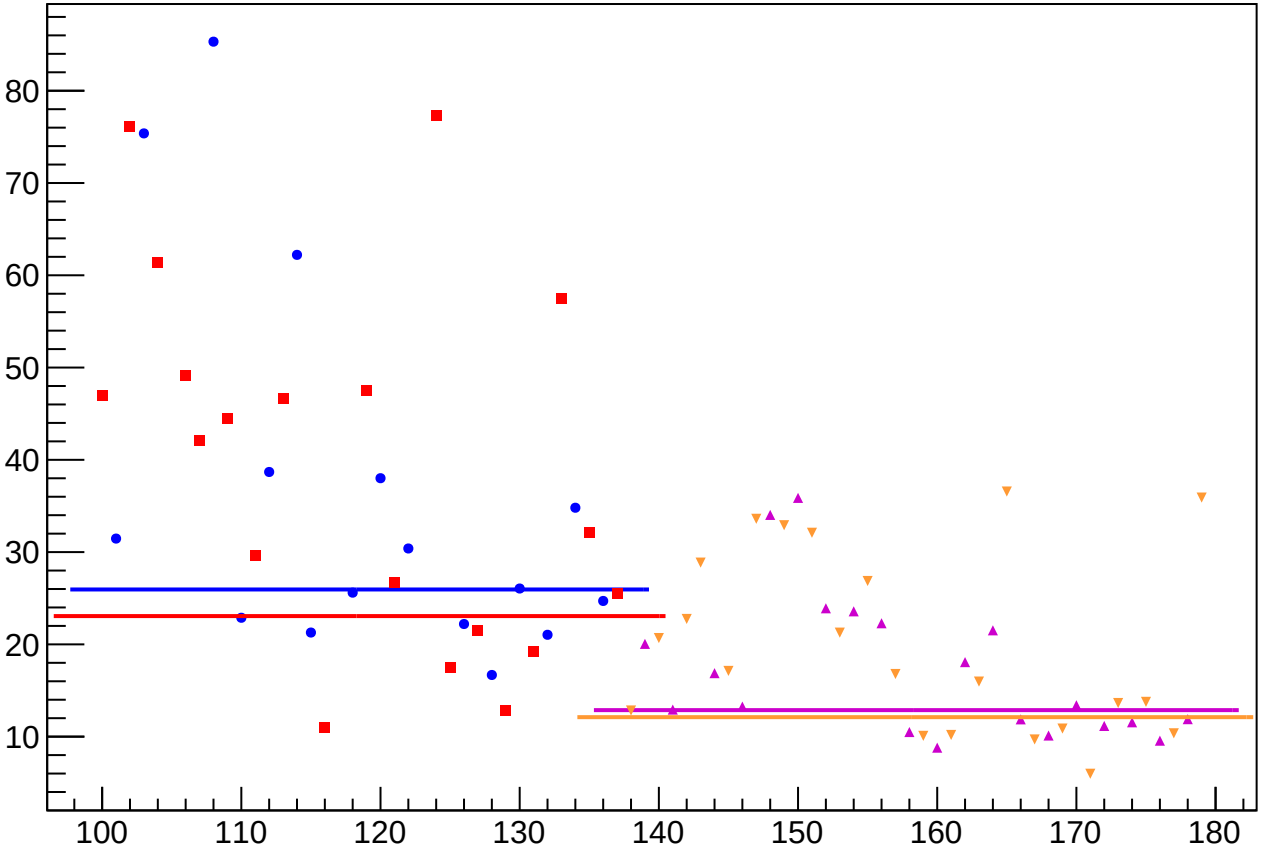
Left In: 0.007+/-0.004 χ^2/NDF:14.5/19

+ sign 0.008+/-0.003 χ^2/NDF: 73.3/37

All: 0.009+/-0.002 χ^2/NDF: 97.5/76

- sign 0.009+/-0.004 χ^2/NDF: 24.1/38

asym_sam_37_dd_dit_vs_cor_diff_rms vs Slug



Right In: 25.949+/-0.008 χ^2/NDF: 1381638.3/15

Left Out: 12.110+/-0.003 χ^2/NDF:6362404.6/21

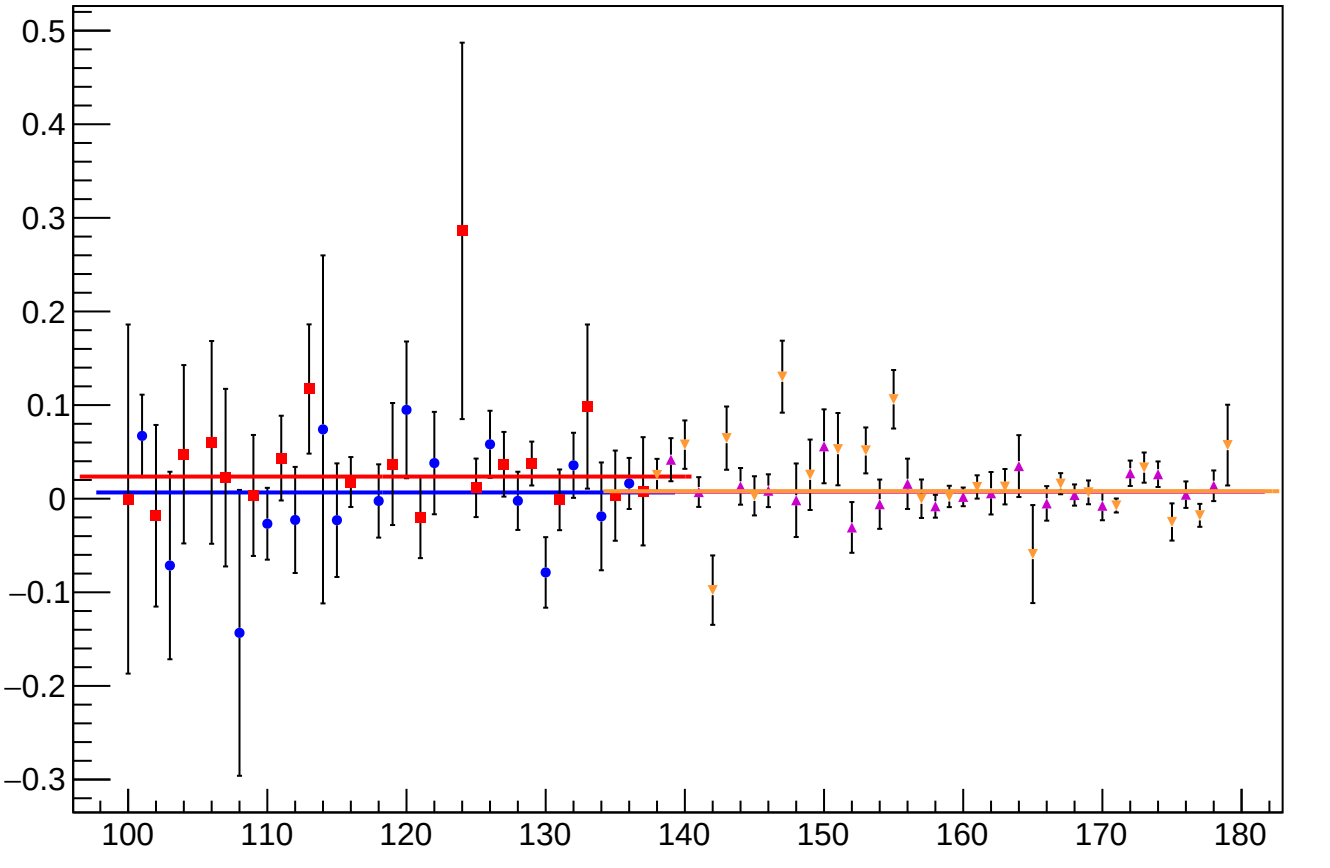
Right Out: 23.065+/-0.007 χ^2/NDF: 3360857.8/18

Left In: 12.873+/-0.003 χ^2/NDF:3390414.2/19

+ sign 13.405+/-0.002 χ^2/NDF: 10562209.9/37

All: 13.703+/-0.002 χ^2/NDF: 19016398.4/76

- sign 14.025+/-0.002 χ^2/NDF: 8422140.3/38



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.008+/-0.004 χ^2/NDF:58.3/21

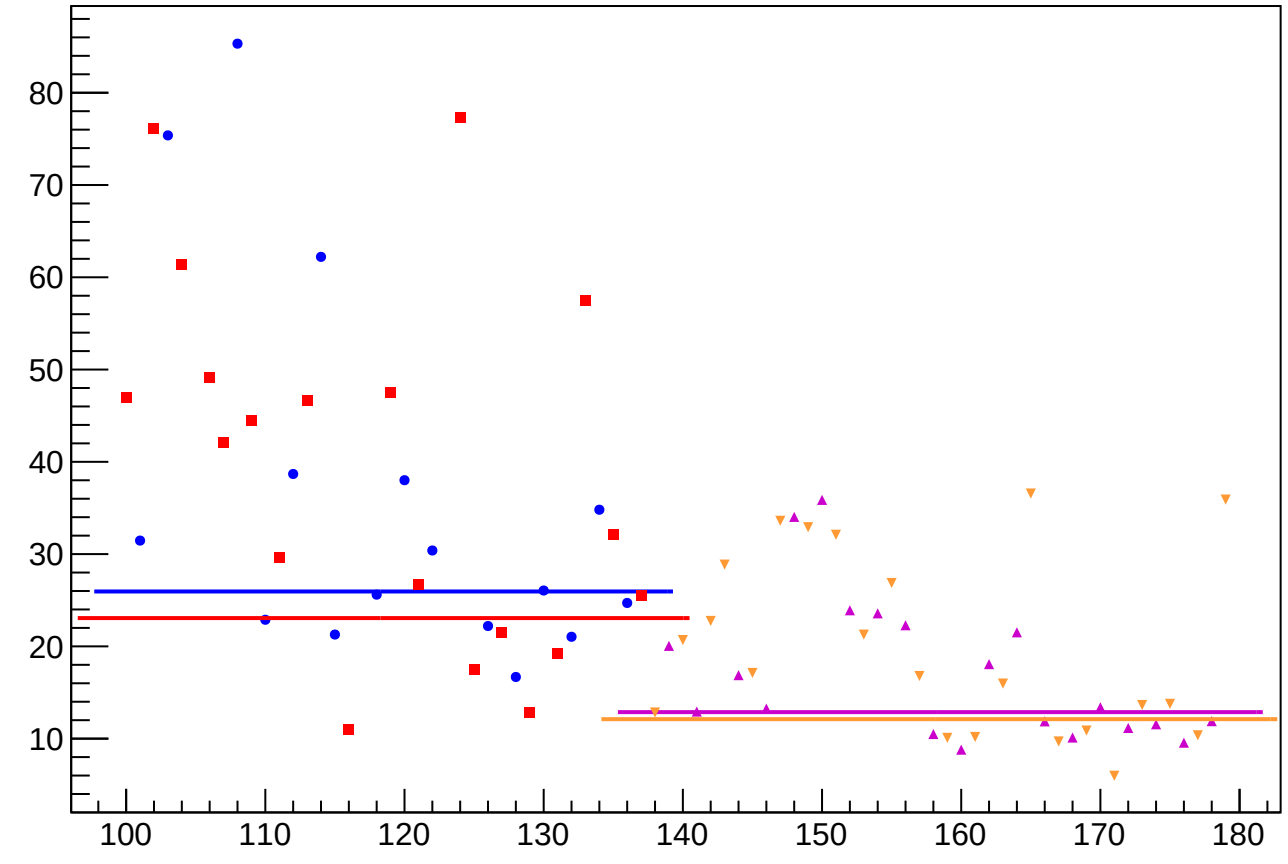
Right Out: 0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: 0.007+/-0.004 χ^2/NDF:14.5/19

+ sign 0.008+/-0.003 χ^2/NDF: 73.3/37

All: 0.009+/-0.002 χ^2/NDF: 97.5/76

- sign 0.009+/-0.004 χ^2/NDF: 24.1/38



Right In: 25.949+/-0.008 χ^2/NDF: 1381638.3/15

Left Out: 12.110+/-0.003 χ^2/NDF:6362404.6/21

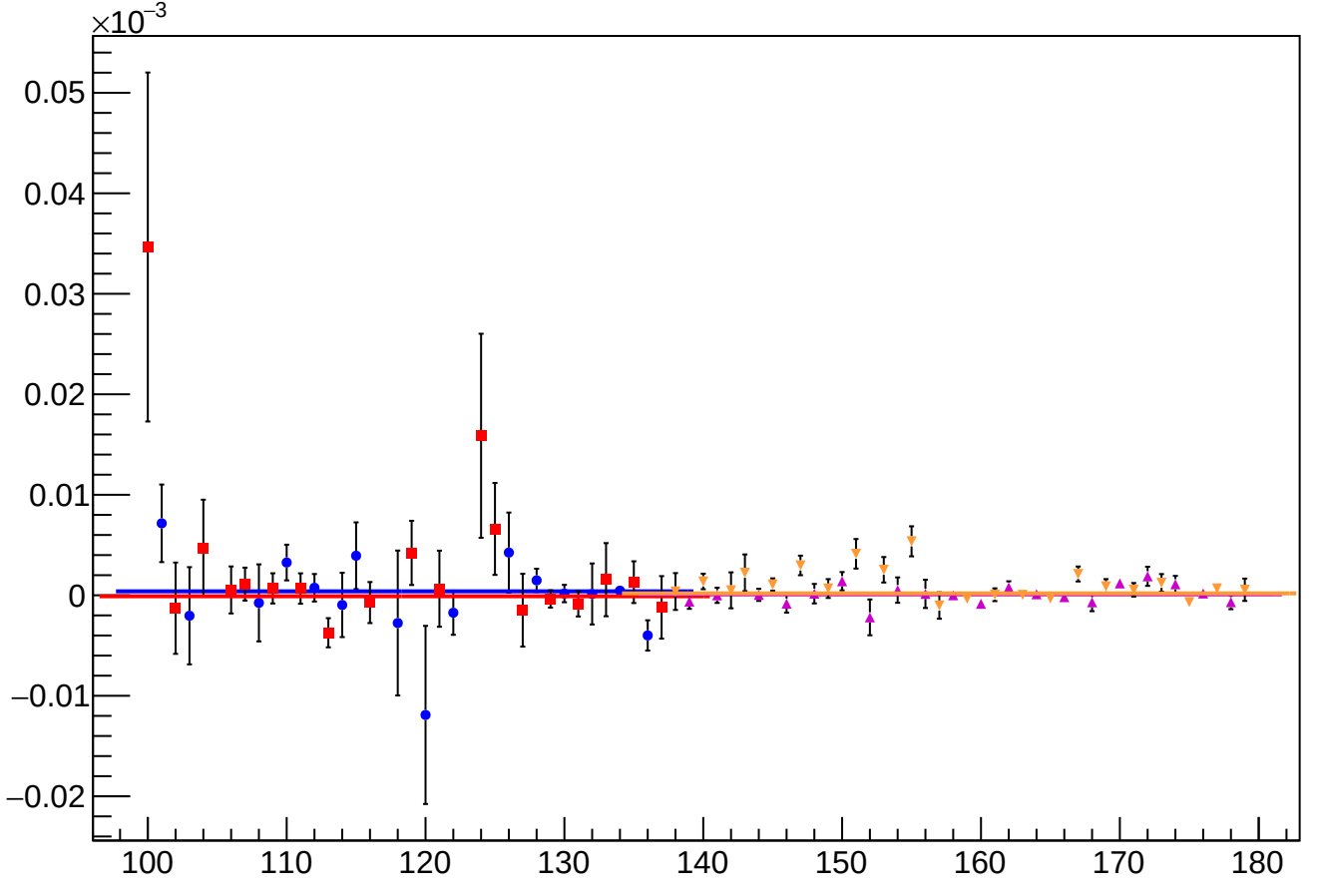
Right Out: 23.065+/-0.007 χ^2/NDF: 3360857.8/18

Left In: 12.873+/-0.003 χ^2/NDF:3390414.2/19

+ sign 13.405+/-0.002 χ^2/NDF: 10562209.9/37

All: 13.703+/-0.002 χ^2/NDF: 19016398.4/76

- sign 14.025+/-0.002 χ^2/NDF: 8422140.3/38



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:60.0/21

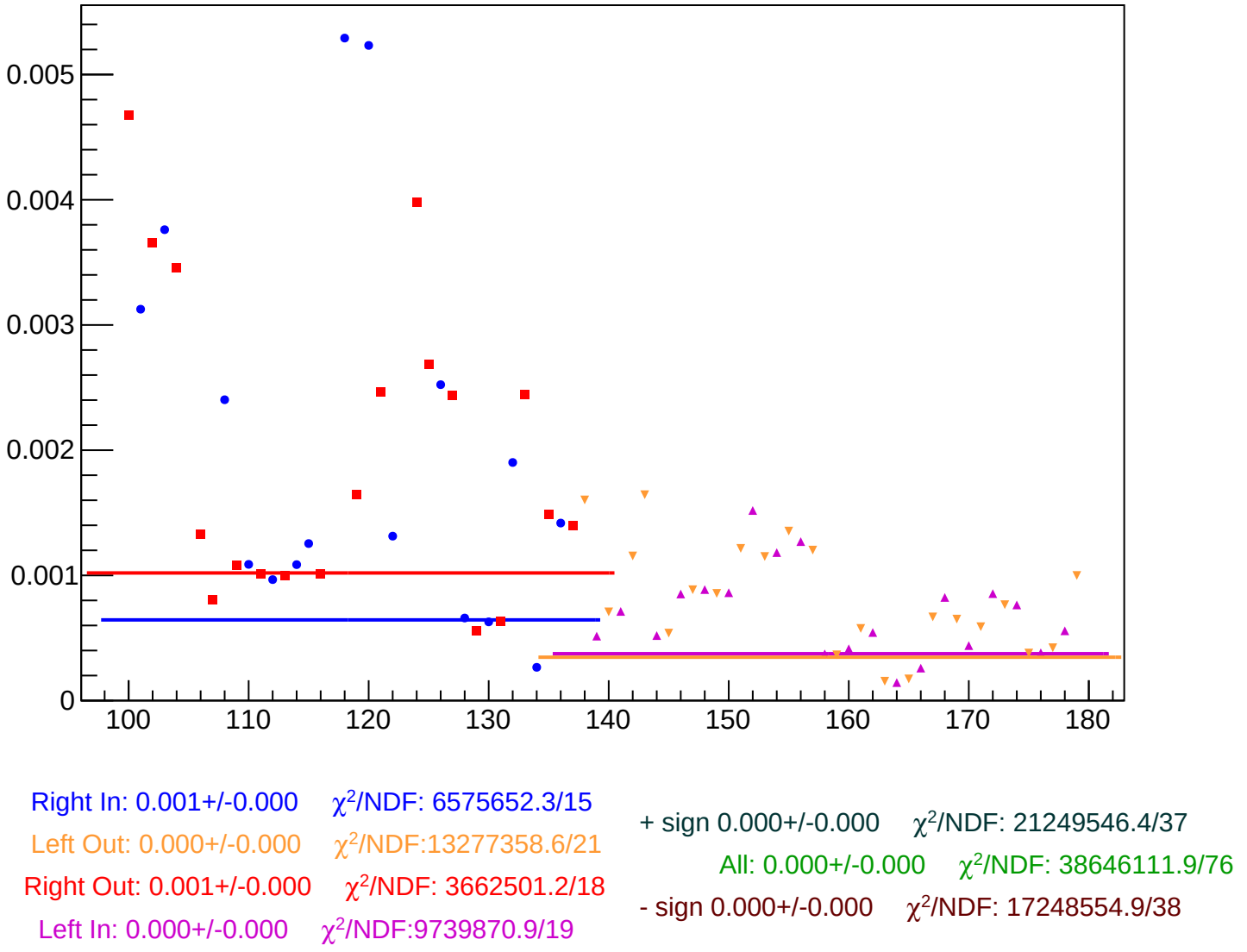
Right Out: -0.000+/-0.000 χ^2/NDF: 20.4/18

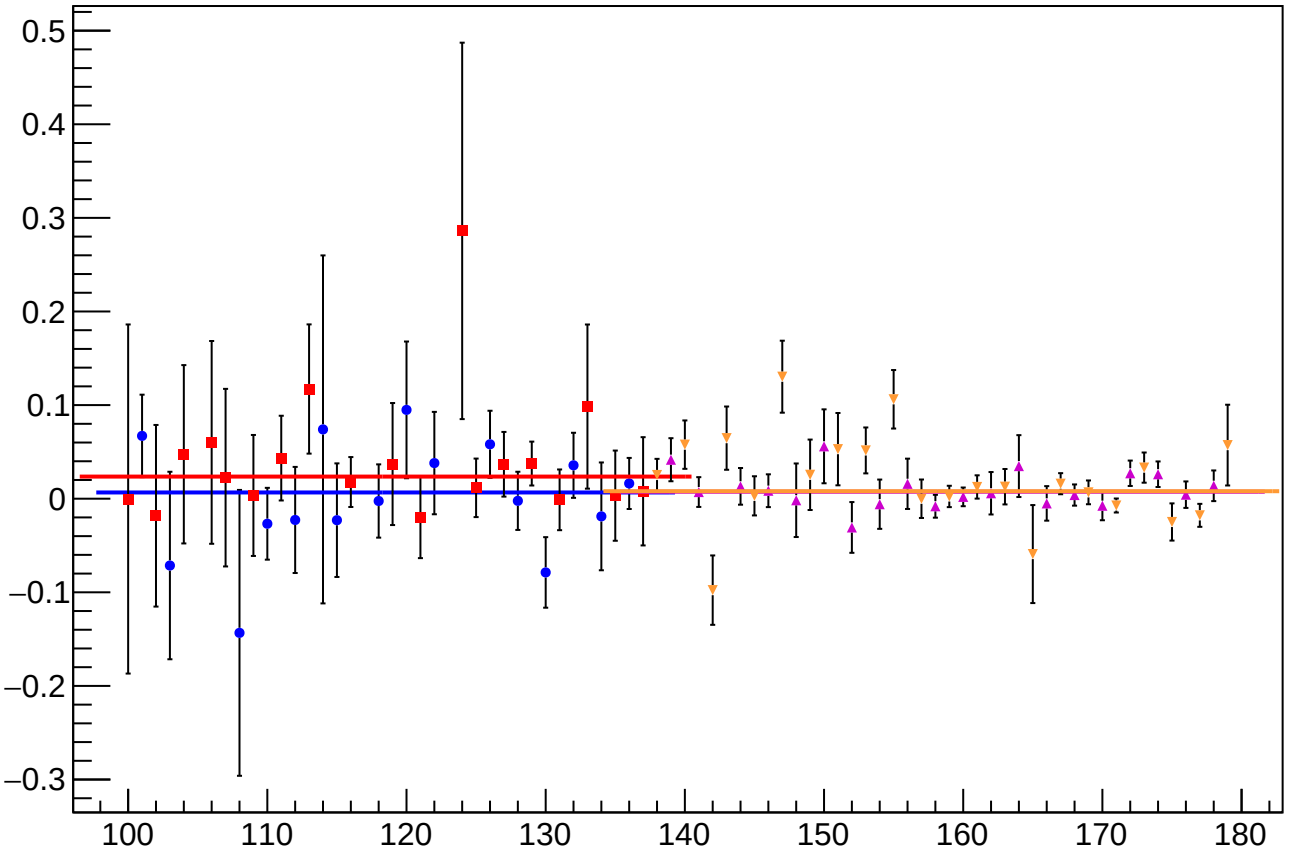
Left In: 0.000+/-0.000 χ^2/NDF:23.9/19

+ sign 0.000+/-0.000 χ^2/NDF: 81.2/37

All: 0.000+/-0.000 χ^2/NDF: 126.3/76

- sign 0.000+/-0.000 χ^2/NDF: 44.5/38


asym_sam_37_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.005
0.004
0.003
0.002
0.001
0
100
110
120
130
140
150
160
170
180
Right In: 0.001+/-0.000 χ²/NDF: 6575652.3/15
Left Out: 0.000+/-0.000 χ²/NDF:13277358.6/21
Right Out: 0.001+/-0.000 χ²/NDF: 3662501.2/18
Left In: 0.000+/-0.000 χ²/NDF:9739870.9/19
+ sign 0.000+/-0.000 χ²/NDF: 21249546.4/37
All: 0.000+/-0.000 χ²/NDF: 38646111.9/76
- sign 0.000+/-0.000 χ²/NDF: 17248554.9/38



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.008+/-0.004 χ^2/NDF:58.3/21

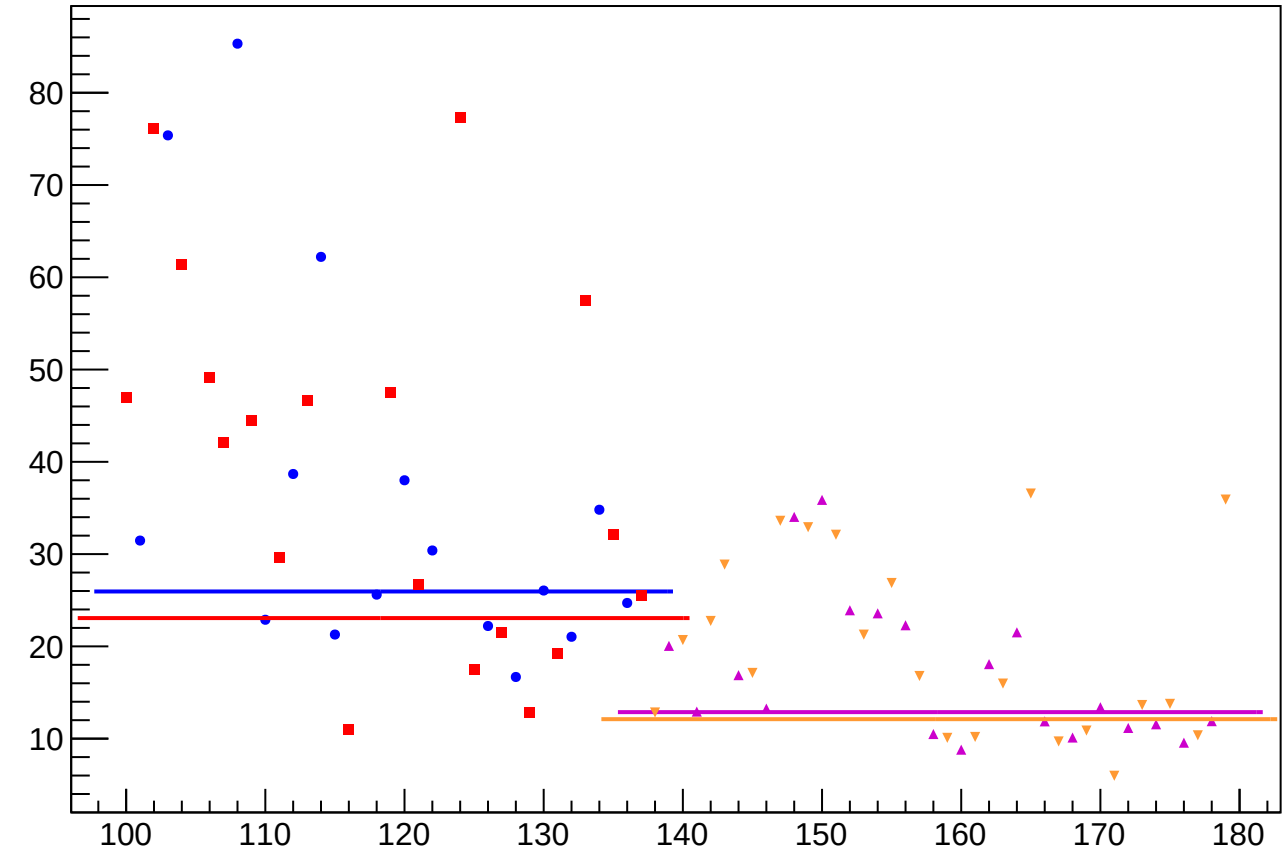
Right Out: 0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: 0.007+/-0.004 χ^2/NDF:14.5/19

+ sign 0.008+/-0.003 χ^2/NDF: 73.3/37

All: 0.009+/-0.002 χ^2/NDF: 97.5/76

- sign 0.009+/-0.004 χ^2/NDF: 24.1/38



Right In: 25.950+/-0.008 χ^2/NDF: 1381591.4/15

Left Out: 12.110+/-0.003 χ^2/NDF:6362638.2/21

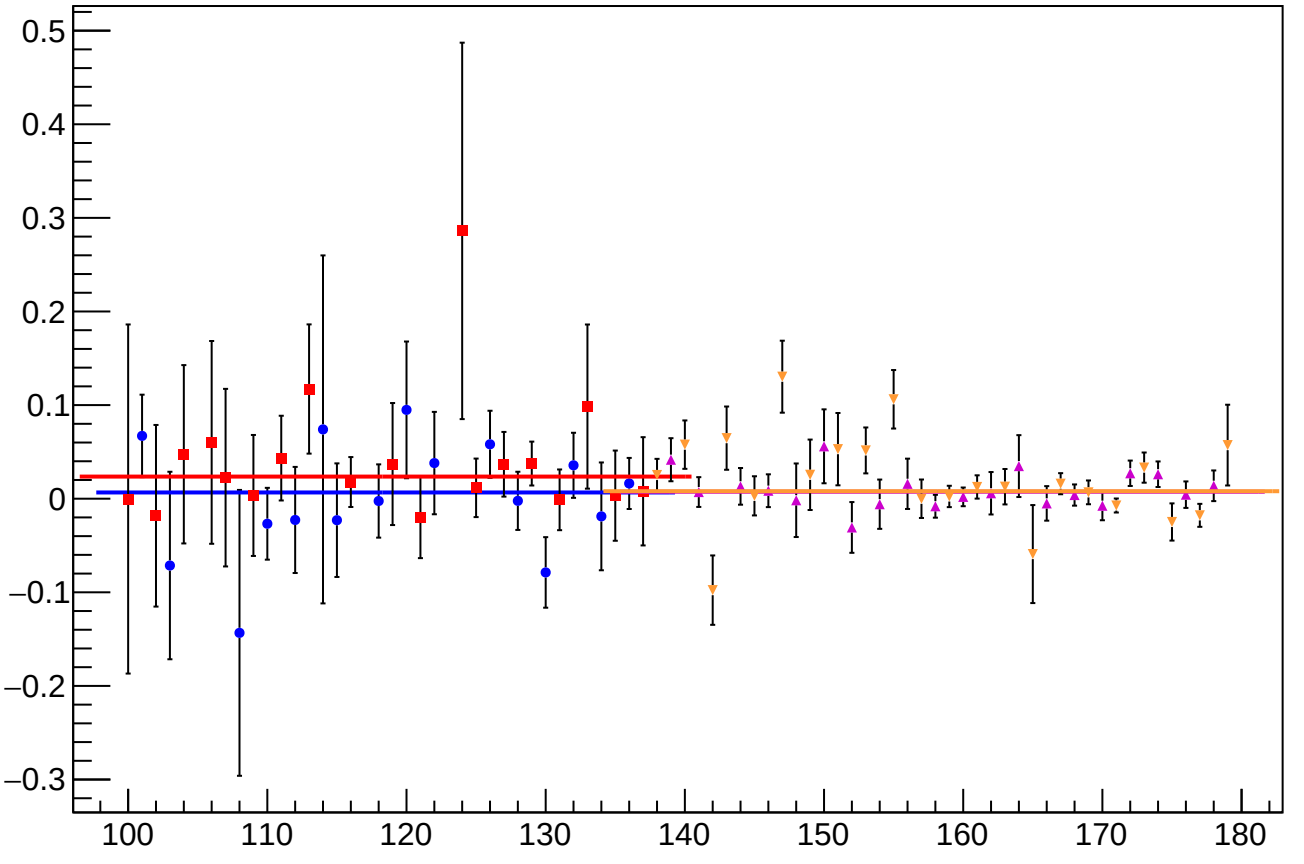
Right Out: 23.066+/-0.007 χ^2/NDF: 3360688.5/18

Left In: 12.874+/-0.003 χ^2/NDF:3390589.7/19

+ sign 13.405+/-0.002 χ^2/NDF: 10562467.0/37

All: 13.703+/-0.002 χ^2/NDF: 19016770.0/76

- sign 14.025+/-0.002 χ^2/NDF: 8422256.4/38



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.008+/-0.004 χ^2/NDF:58.3/21

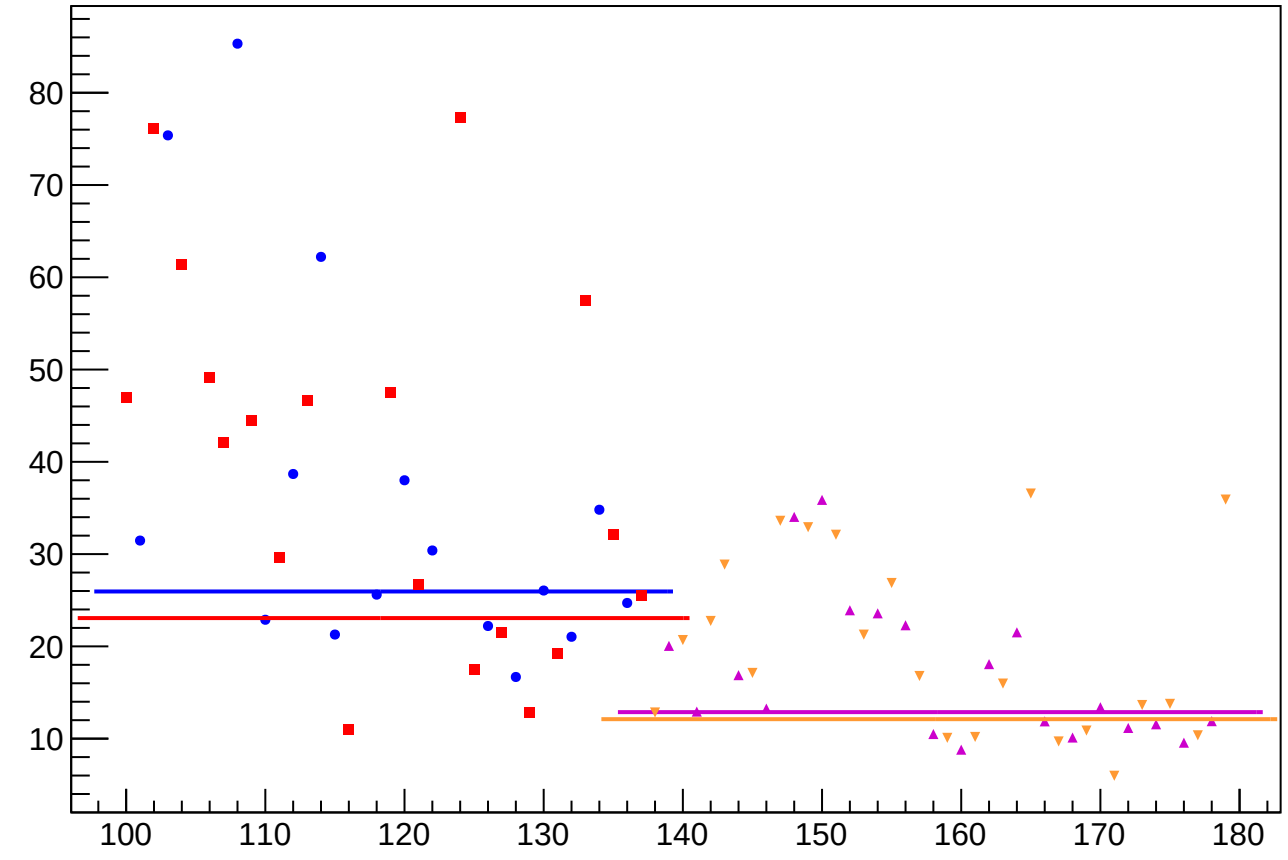
Right Out: 0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: 0.007+/-0.004 χ^2/NDF:14.5/19

+ sign 0.008+/-0.003 χ^2/NDF: 73.3/37

All: 0.009+/-0.002 χ^2/NDF: 97.5/76

- sign 0.009+/-0.004 χ^2/NDF: 24.1/38



Right In: 25.950+/-0.008 χ^2/NDF: 1381591.4/15

Left Out: 12.110+/-0.003 χ^2/NDF:6362638.2/21

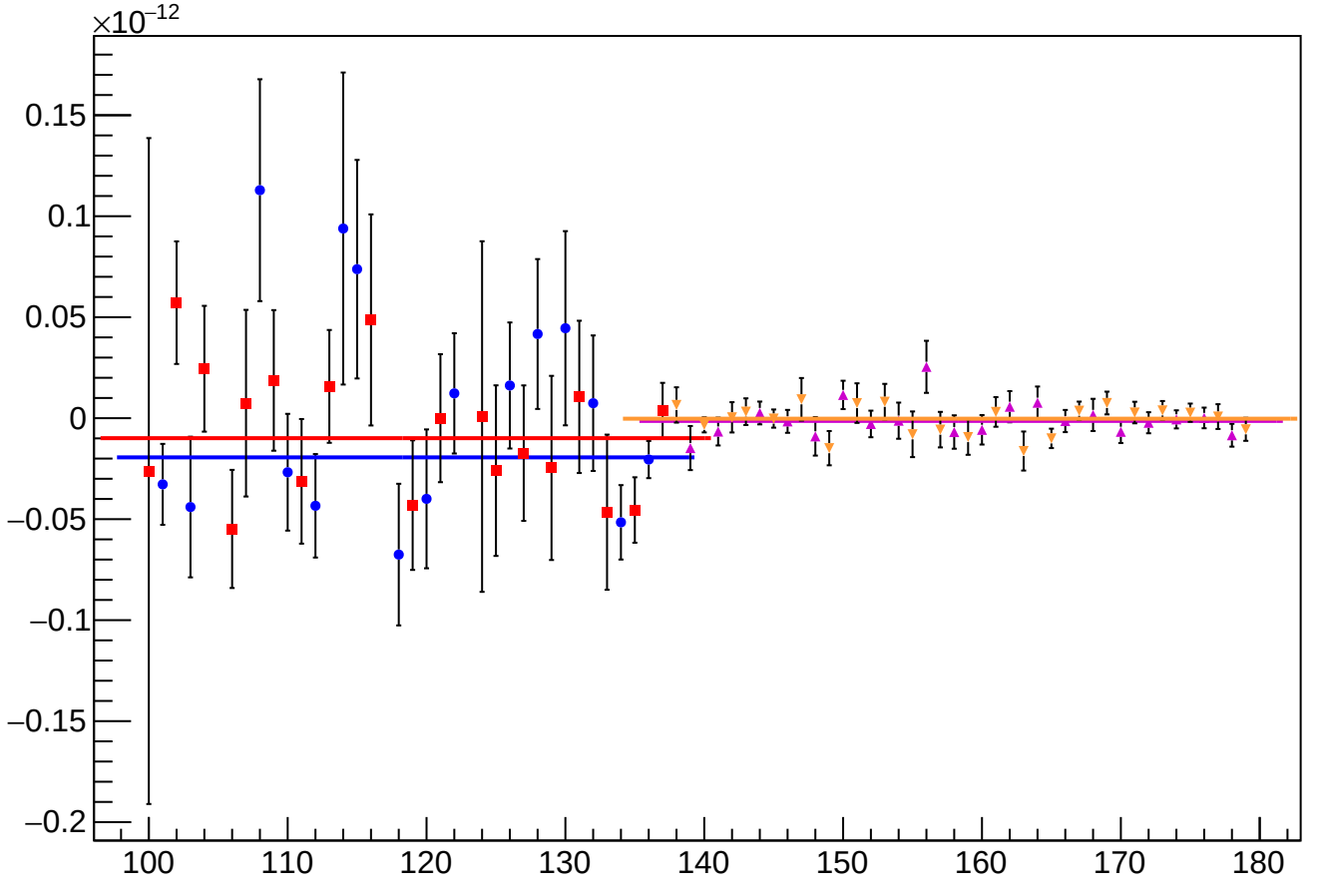
Right Out: 23.066+/-0.007 χ^2/NDF: 3360688.5/18

Left In: 12.874+/-0.003 χ^2/NDF:3390589.7/19

+ sign 13.405+/-0.002 χ^2/NDF: 10562467.0/37

All: 13.703+/-0.002 χ^2/NDF: 19016770.0/76

- sign 14.025+/-0.002 χ^2/NDF: 8422256.4/38



Right In: -0.000+/-0.000 χ^2/NDF: 25.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.9/21

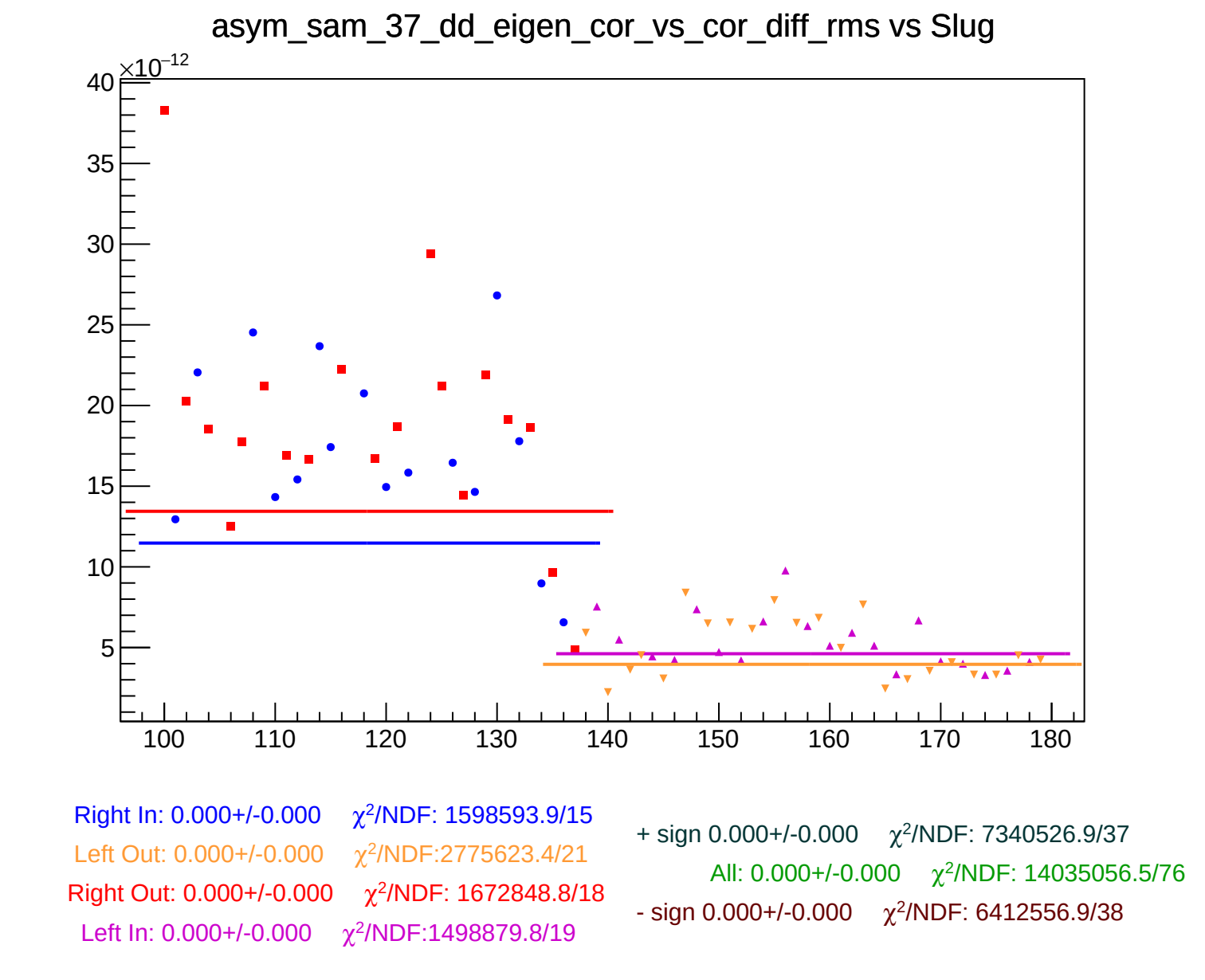
Right Out: -0.000+/-0.000 χ^2/NDF: 20.3/18

Left In: -0.000+/-0.000 χ^2/NDF:16.6/19

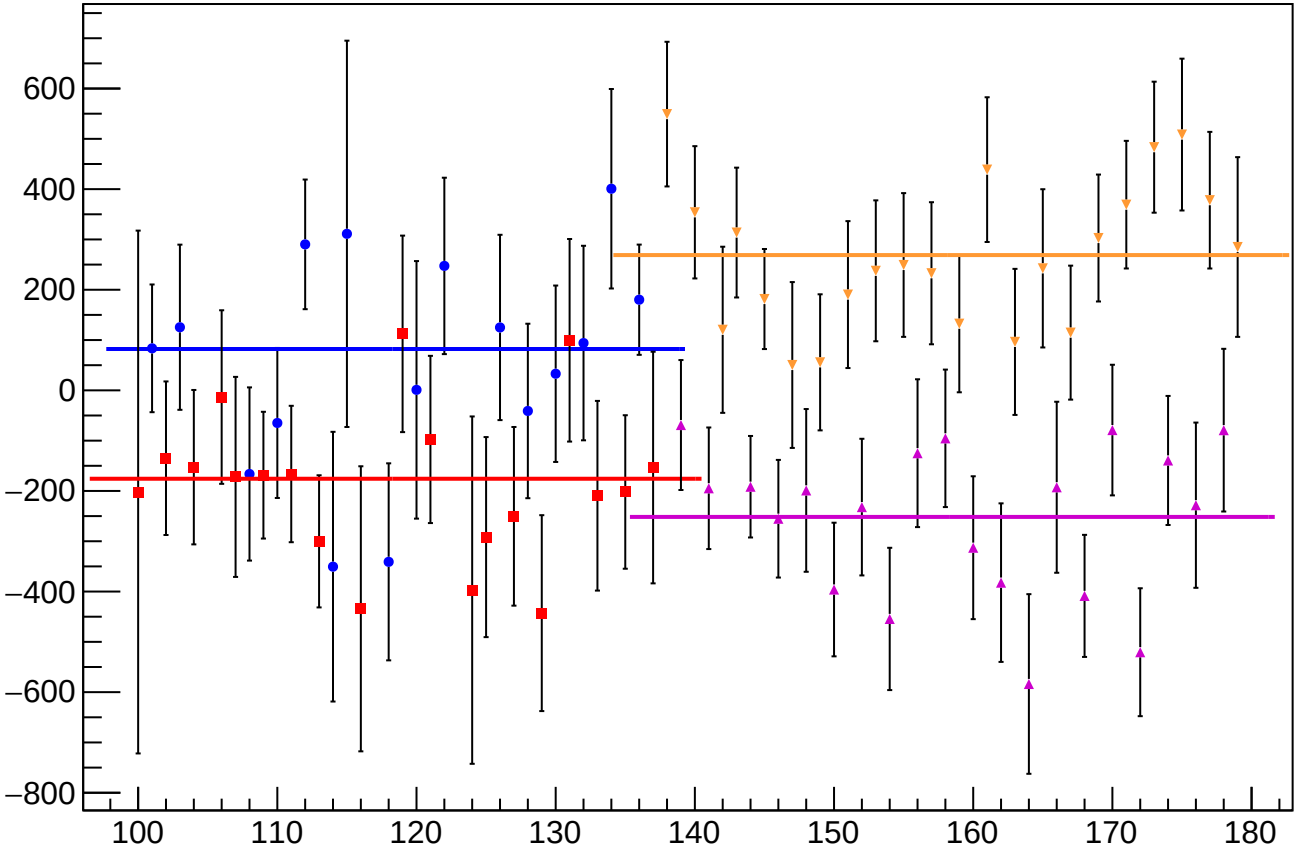
+ sign -0.000+/-0.000 χ^2/NDF: 56.2/37

All: -0.000+/-0.000 χ^2/NDF: 94.8/76

- sign -0.000+/-0.000 χ^2/NDF: 38.5/38


asym_sam_37_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
40
35
30
25
20
15
10
5
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1598593.9/15
Left Out: 0.000+/-0.000 χ²/NDF:2775623.4/21
Right Out: 0.000+/-0.000 χ²/NDF: 1672848.8/18
Left In: 0.000+/-0.000 χ²/NDF:1498879.8/19
+ sign 0.000+/-0.000 χ²/NDF: 7340526.9/37
All: 0.000+/-0.000 χ²/NDF: 14035056.5/76
- sign 0.000+/-0.000 χ²/NDF: 6412556.9/38

reg_asym_sam_48_dd_mean vs Slug



Right In: 82.196+/-42.133 χ^2/NDF: 18.4/15

Left Out: 268.922+/-29.461 χ^2/NDF:22.3/21

Right Out: -175.732+/-40.673 χ^2/NDF: 9.9/18

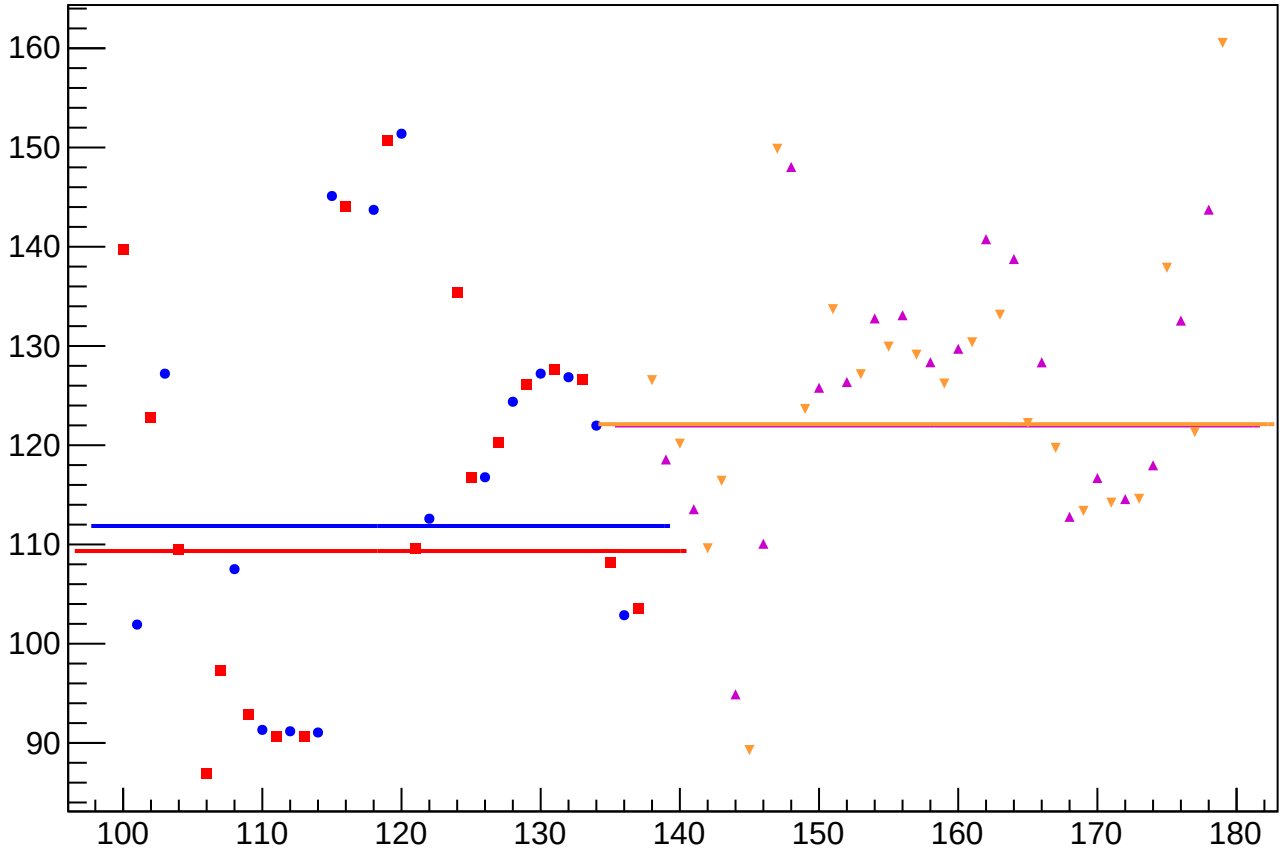
Left In: -251.616+/-30.435 χ^2/NDF:22.3/19

+ sign 207.605+/-24.144 χ^2/NDF: 53.9/37

All: -6.396+/-17.151 χ^2/NDF: 246.9/76

- sign -224.378+/-24.368 χ^2/NDF: 34.4/38

reg_asym_sam_48_dd_rms vs Slug



Right In: 111.862+/-0.030 χ^2/NDF: 306023.8/15

Left Out: 122.121+/-0.021 χ^2/NDF:477685.8/21

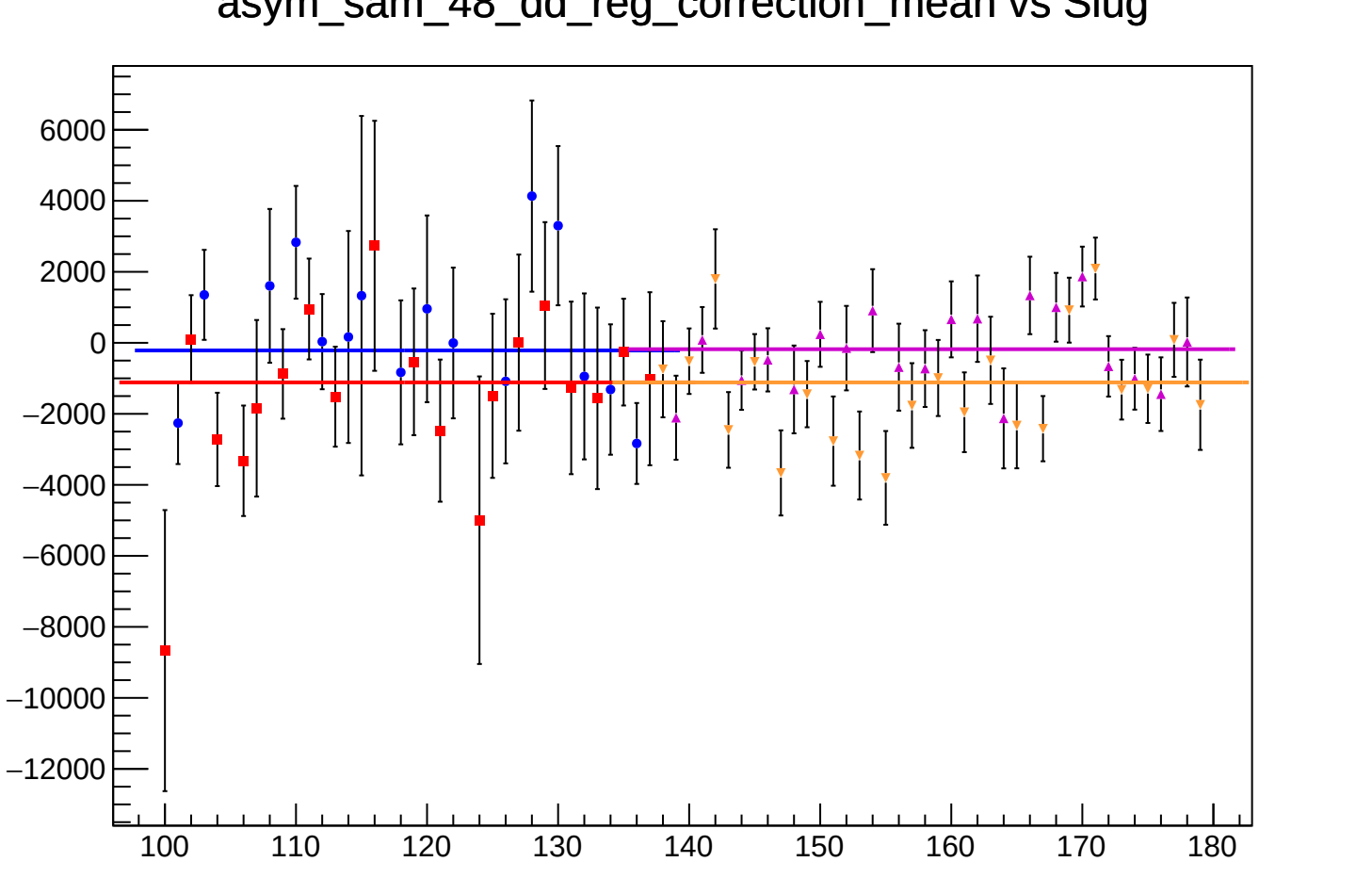
Right Out: 109.340+/-0.029 χ^2/NDF: 367219.9/18

Left In: 121.989+/-0.022 χ^2/NDF:381826.4/19

+ sign 118.752+/-0.017 χ^2/NDF: 863339.8/37

All: 118.106+/-0.012 χ^2/NDF: 1739261.8/76

- sign 117.449+/-0.017 χ^2/NDF: 873034.9/38



Right In: -214.187+/-443.962 χ^2/NDF: 20.4/15

Left Out: -1114.802+/-224.167 χ^2/NDF:44.6/21

Right Out: -1114.700+/-423.039 χ^2/NDF: 14.5/18

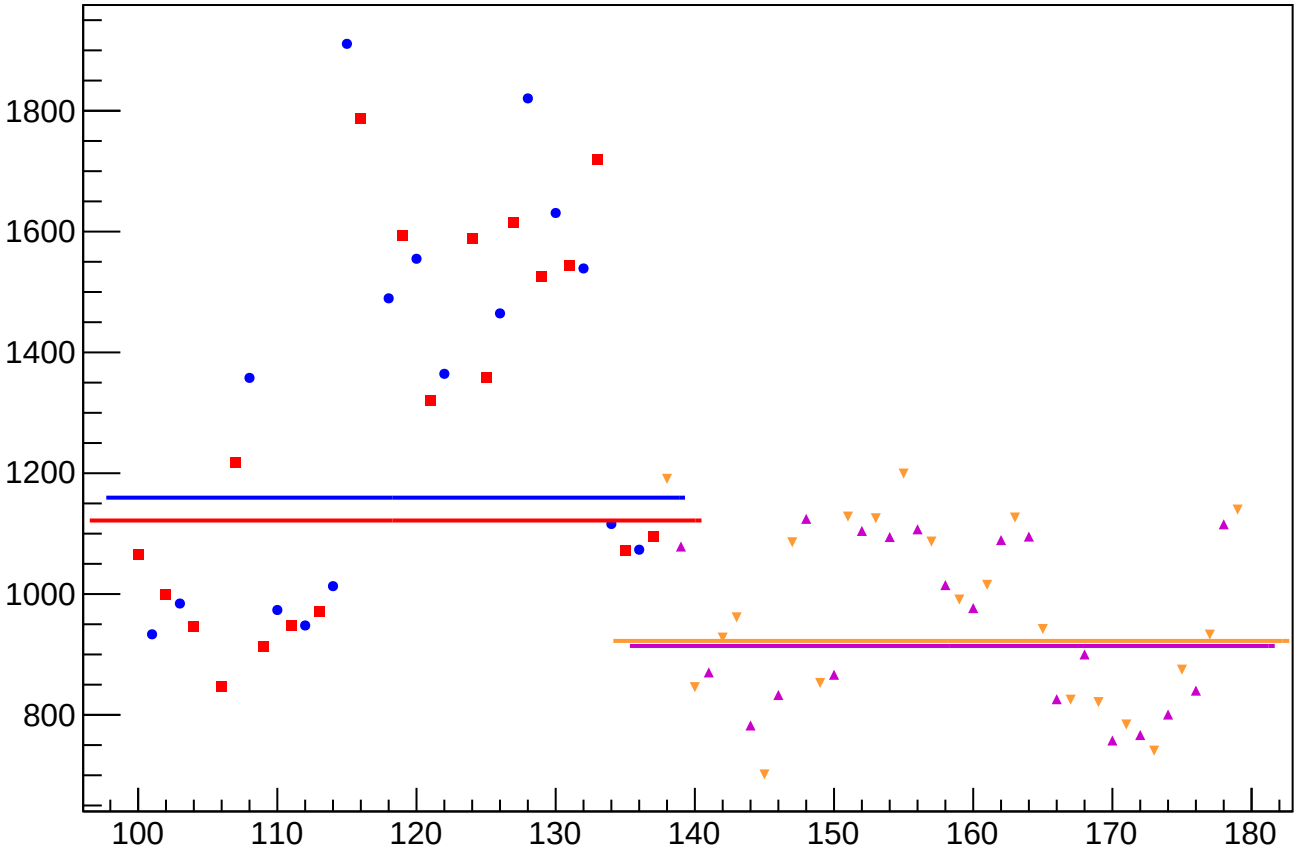
Left In: -179.487+/-229.296 χ^2/NDF:21.4/19

+ sign -931.838+/-200.106 χ^2/NDF: 68.3/37

All: -663.837+/-142.017 χ^2/NDF: 111.6/76

- sign -391.851+/-201.588 χ^2/NDF: 39.7/38

asym_sam_48_dd_reg_correction_rms vs Slug



Right In: 1159.567+/-0.314 χ^2/NDF: 683693.3/15

Left Out: 922.459+/-0.159 χ^2/NDF:868578.0/21

Right Out: 1121.752+/-0.299 χ^2/NDF: 782273.3/18

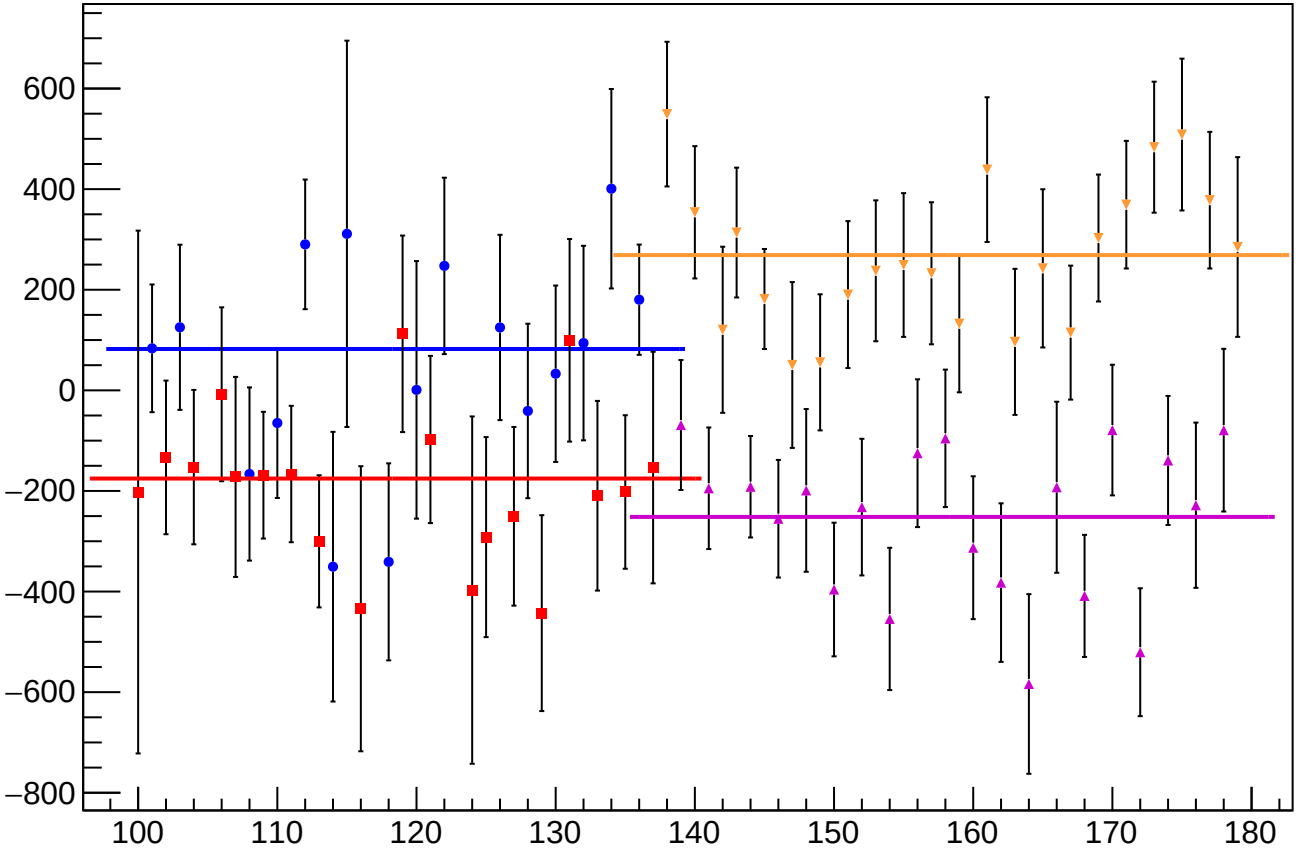
Left In: 914.043+/-0.162 χ^2/NDF:658682.3/19

+ sign 970.629+/-0.141 χ^2/NDF: 2006844.8/37

All: 965.953+/-0.100 χ^2/NDF: 3822662.9/76

- sign 961.208+/-0.143 χ^2/NDF: 1813618.3/38

cor_asym_sam_48_dd_mean vs Slug



Right In: 82.185+/-42.133 χ^2/NDF: 18.4/15

Left Out: 268.927+/-29.461 χ^2/NDF:22.3/21

Right Out: -175.338+/-40.678 χ^2/NDF: 9.9/18

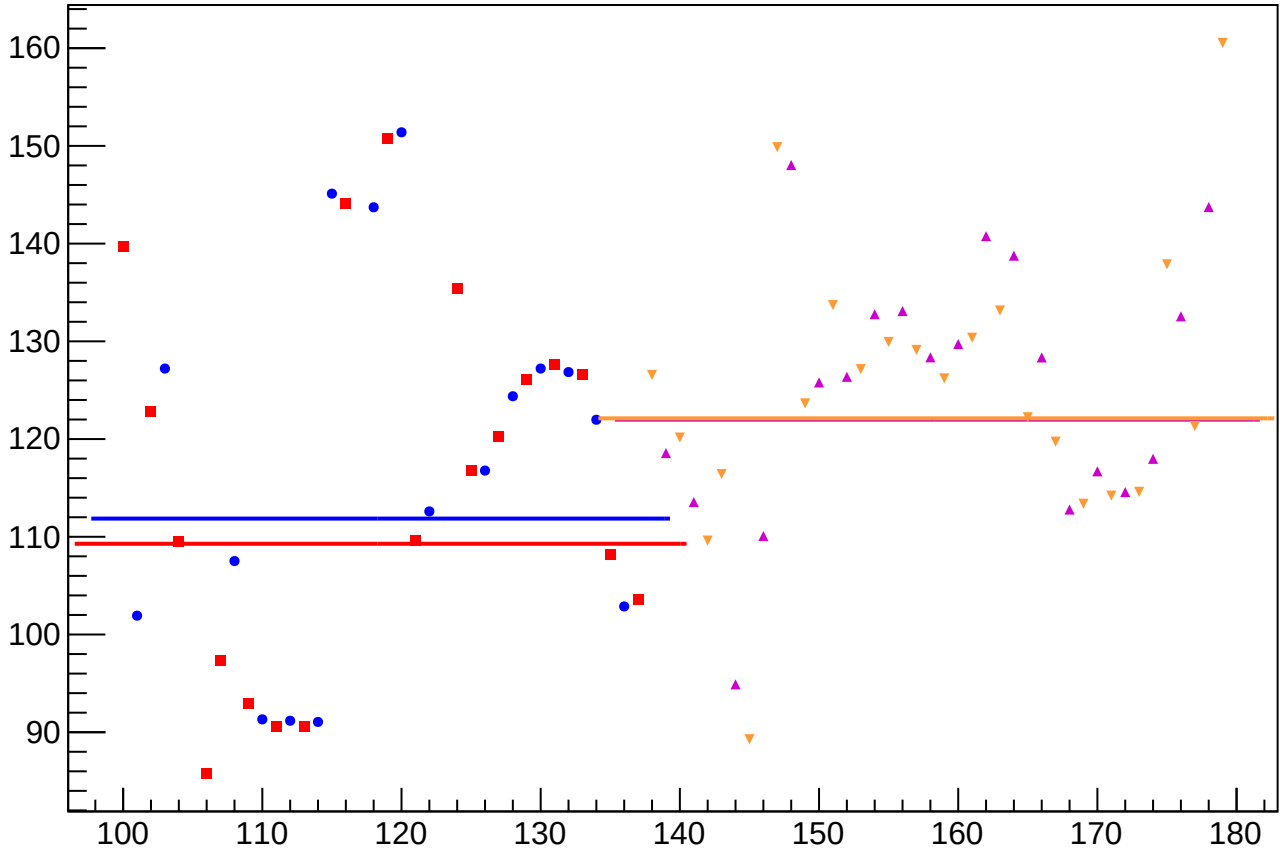
Left In: -251.618+/-30.435 χ^2/NDF:22.3/19

+ sign 207.604+/-24.144 χ^2/NDF: 53.9/37

All: -6.319+/-17.151 χ^2/NDF: 246.9/76

- sign -224.243+/-24.369 χ^2/NDF: 34.5/38

cor_asym_sam_48_dd_rms vs Slug



Right In: 111.862+/-0.030 χ^2/NDF: 306025.0/15

Left Out: 122.121+/-0.021 χ^2/NDF:477685.8/21

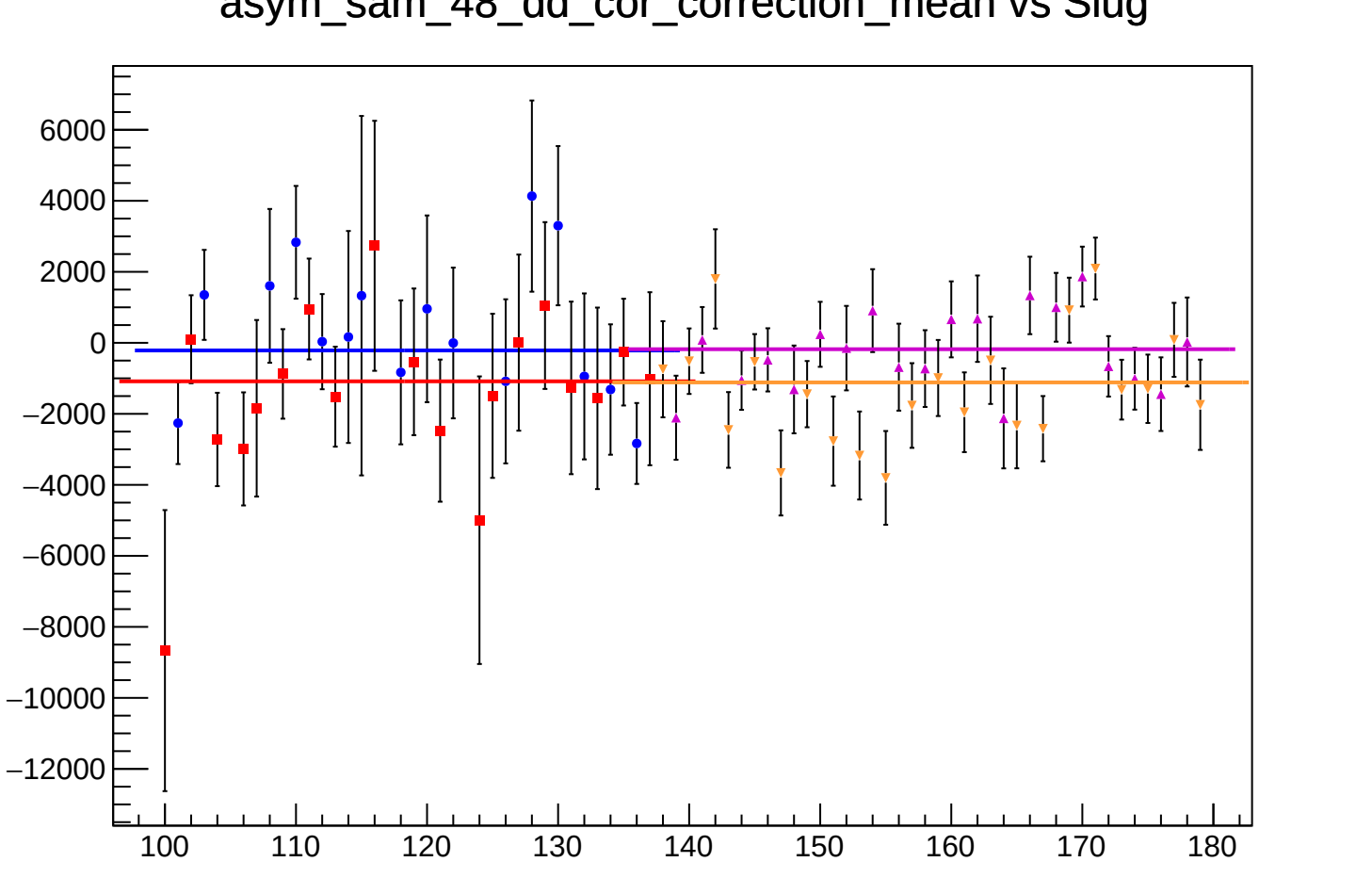
Right Out: 109.284+/-0.029 χ^2/NDF: 370711.7/18

Left In: 121.989+/-0.022 χ^2/NDF:381826.4/19

\+ sign 118.752+/-0.017 χ^2/NDF: 863340.5/37

All: 118.097+/-0.012 χ^2/NDF: 1743921.5/76

\- sign 117.429+/-0.017 χ^2/NDF: 877607.6/38



Right In: -214.278+/-443.965 χ^2/NDF: 20.4/15

Left Out: -1114.797+/-224.167 χ^2/NDF:44.6/21

Right Out: -1083.943+/-423.774 χ^2/NDF: 13.9/18

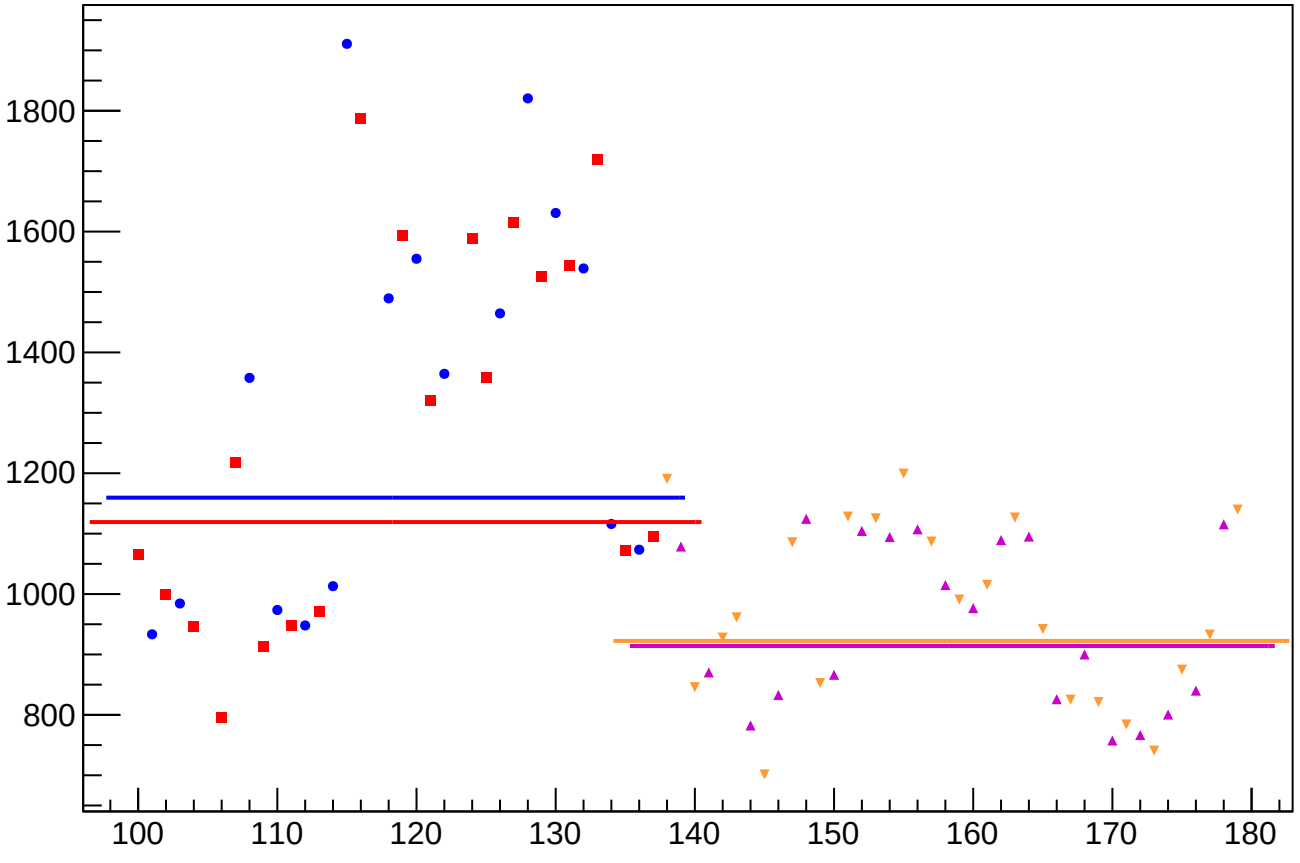
Left In: -179.492+/-229.296 χ^2/NDF:21.4/19

+ sign -931.855+/-200.106 χ^2/NDF: 68.3/37

All: -660.215+/-142.045 χ^2/NDF: 110.8/76

- sign -384.319+/-201.668 χ^2/NDF: 38.8/38

asym_sam_48_dd_cor_correction_rms vs Slug



Right In: 1159.576+/-0.314 χ^2/NDF: 683662.2/15

Left Out: 922.459+/-0.159 χ^2/NDF:868578.3/21

Right Out: 1119.156+/-0.300 χ^2/NDF: 803154.6/18

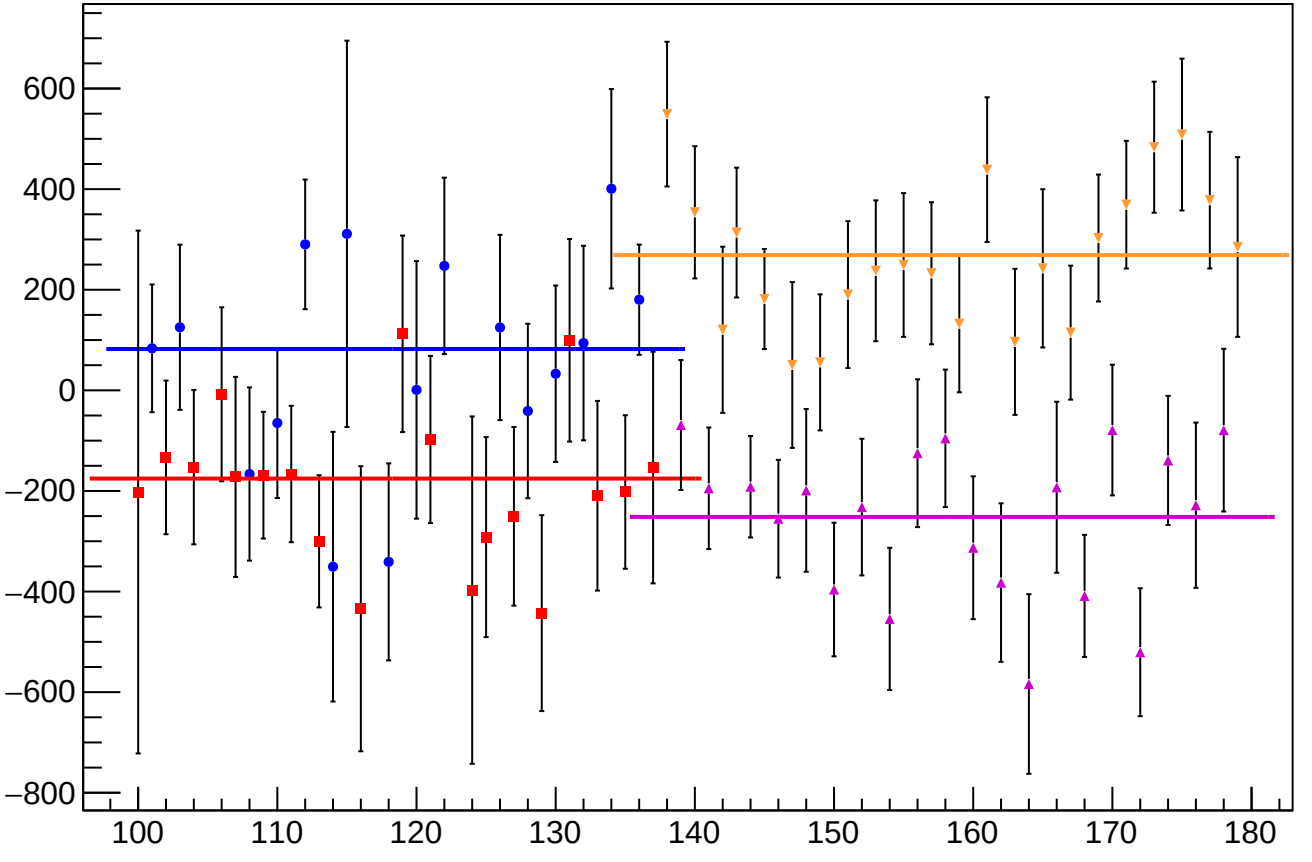
Left In: 914.043+/-0.162 χ^2/NDF:658683.5/19

+ sign 970.630+/-0.141 χ^2/NDF: 2006845.9/37

All: 965.601+/-0.100 χ^2/NDF: 3833659.3/76

- sign 960.494+/-0.143 χ^2/NDF: 1824267.8/38

eigen_cor_asym_sam_48_dd_mean vs Slug



Right In: 82.185+/-42.133 χ^2/NDF: 18.4/15

Left Out: 268.927+/-29.461 χ^2/NDF:22.3/21

Right Out: -175.338+/-40.678 χ^2/NDF: 9.9/18

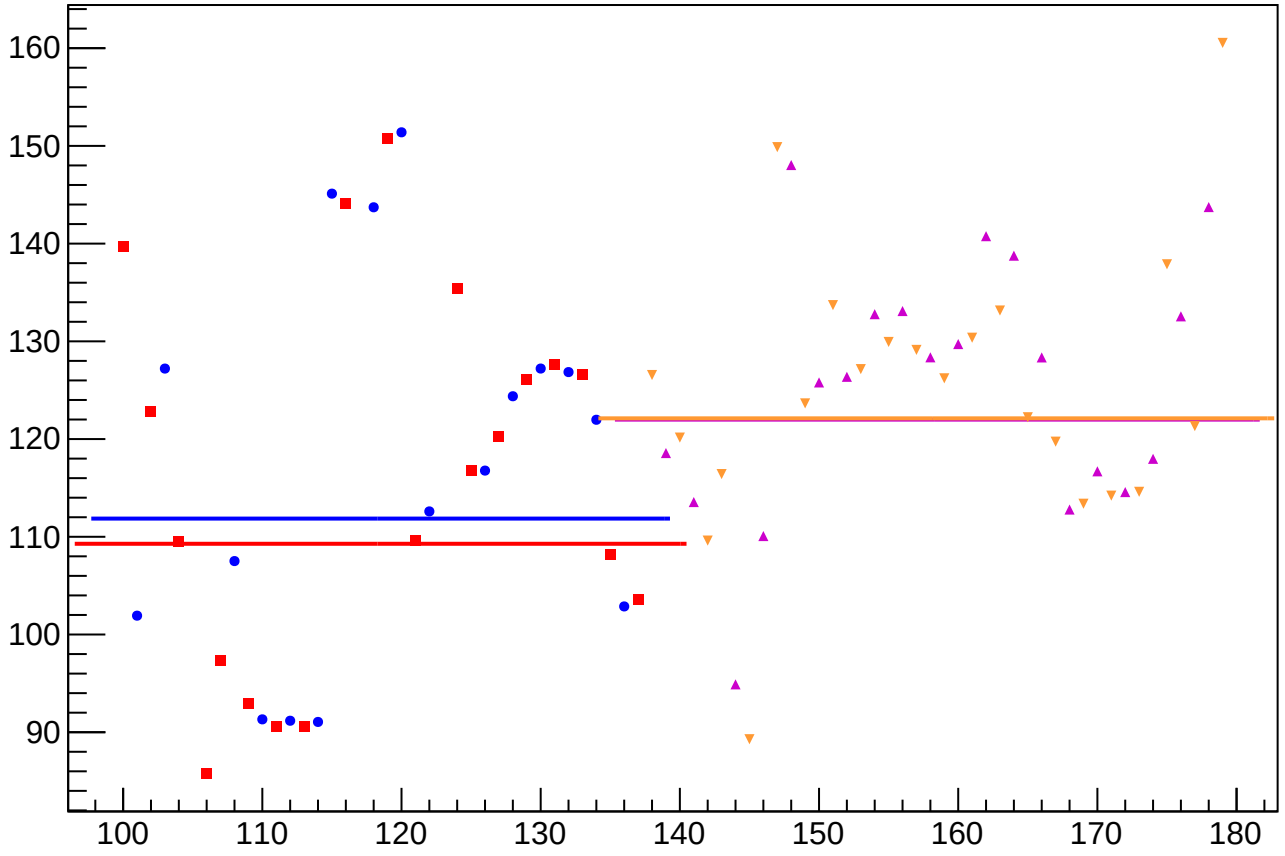
Left In: -251.618+/-30.435 χ^2/NDF:22.3/19

+ sign 207.604+/-24.144 χ^2/NDF: 53.9/37

All: -6.319+/-17.151 χ^2/NDF: 246.9/76

- sign -224.243+/-24.369 χ^2/NDF: 34.5/38

eigen_cor_asym_sam_48_dd_rms vs Slug



Right In: 111.862+/-0.030 χ^2/NDF: 306025.0/15

Left Out: 122.121+/-0.021 χ^2/NDF:477685.8/21

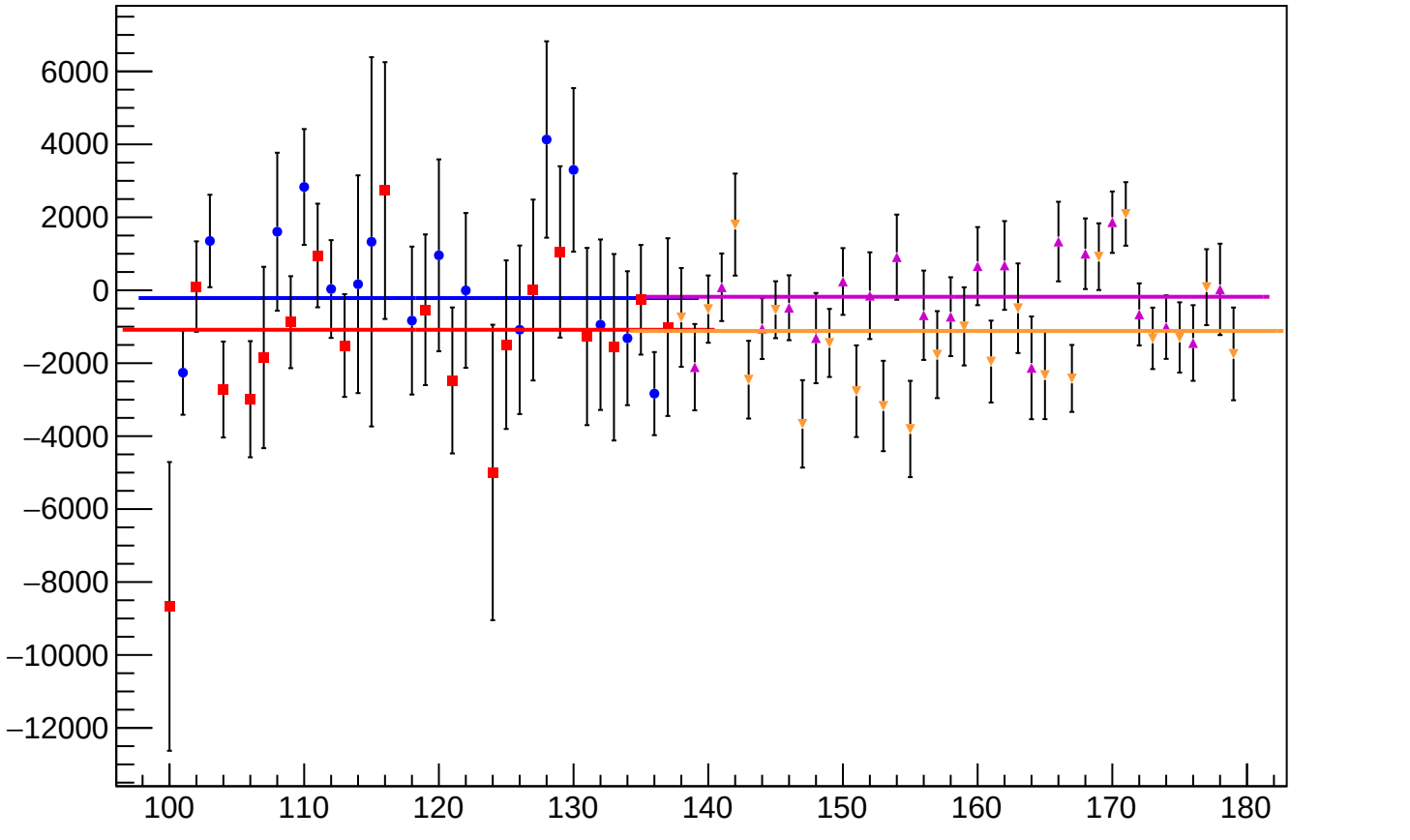
Right Out: 109.284+/-0.029 χ^2/NDF: 370711.7/18

Left In: 121.989+/-0.022 χ^2/NDF:381826.4/19

\+ sign 118.752+/-0.017 χ^2/NDF: 863340.5/37

All: 118.097+/-0.012 χ^2/NDF: 1743921.5/76

\- sign 117.429+/-0.017 χ^2/NDF: 877607.6/38



Right In: -214.278+/-443.965 χ^2/NDF: 20.4/15

Left Out: -1114.797+/-224.167 χ^2/NDF:44.6/21

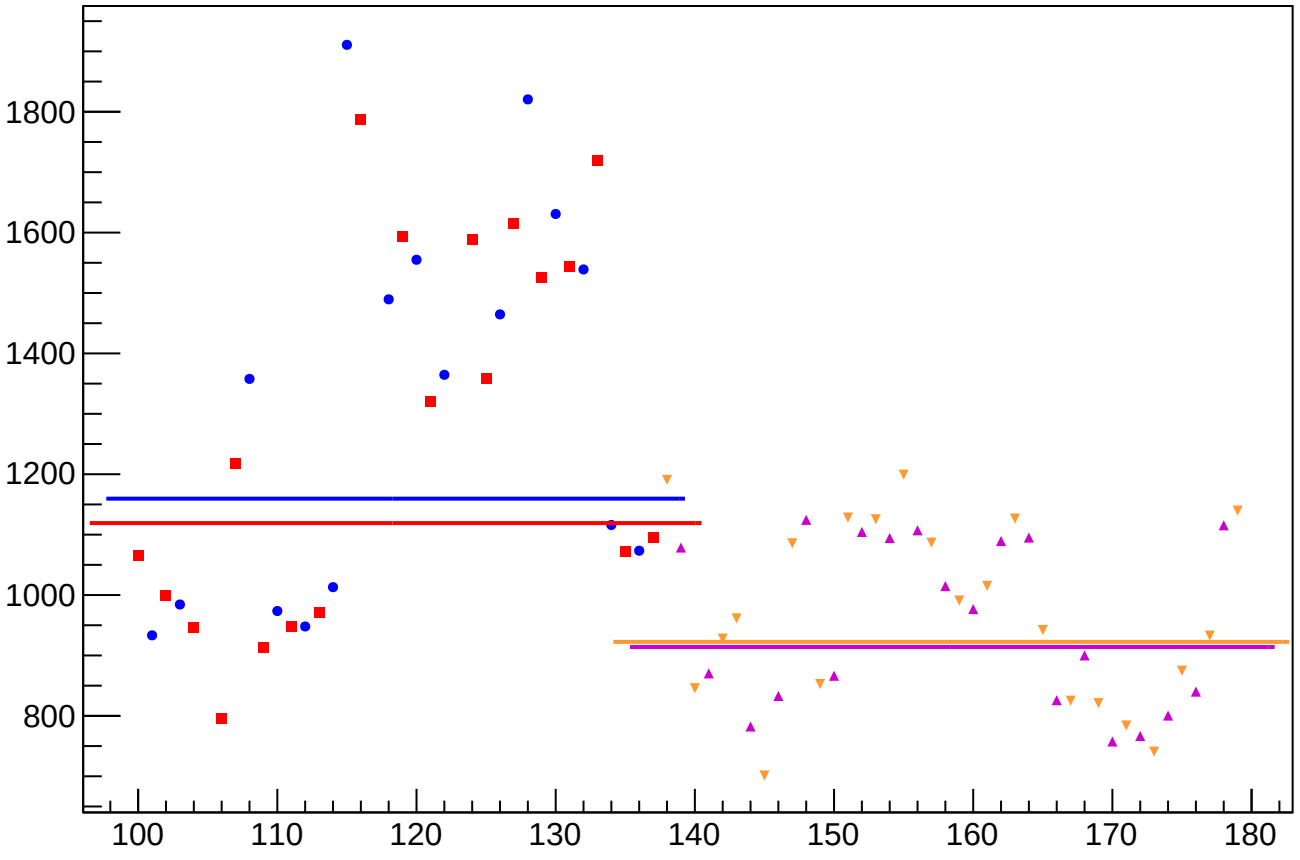
Right Out: -1083.943+/-423.774 χ^2/NDF: 13.9/18

Left In: -179.492+/-229.296 χ^2/NDF:21.4/19

+ sign -931.855+/-200.106 χ^2/NDF: 68.3/37

All: -660.215+/-142.045 χ^2/NDF: 110.8/76

- sign -384.319+/-201.668 χ^2/NDF: 38.8/38



Right In: 1159.576+/-0.314 χ^2/NDF: 683662.2/15

Left Out: 922.459+/-0.159 χ^2/NDF:868578.3/21

Right Out: 1119.156+/-0.300 χ^2/NDF: 803154.6/18

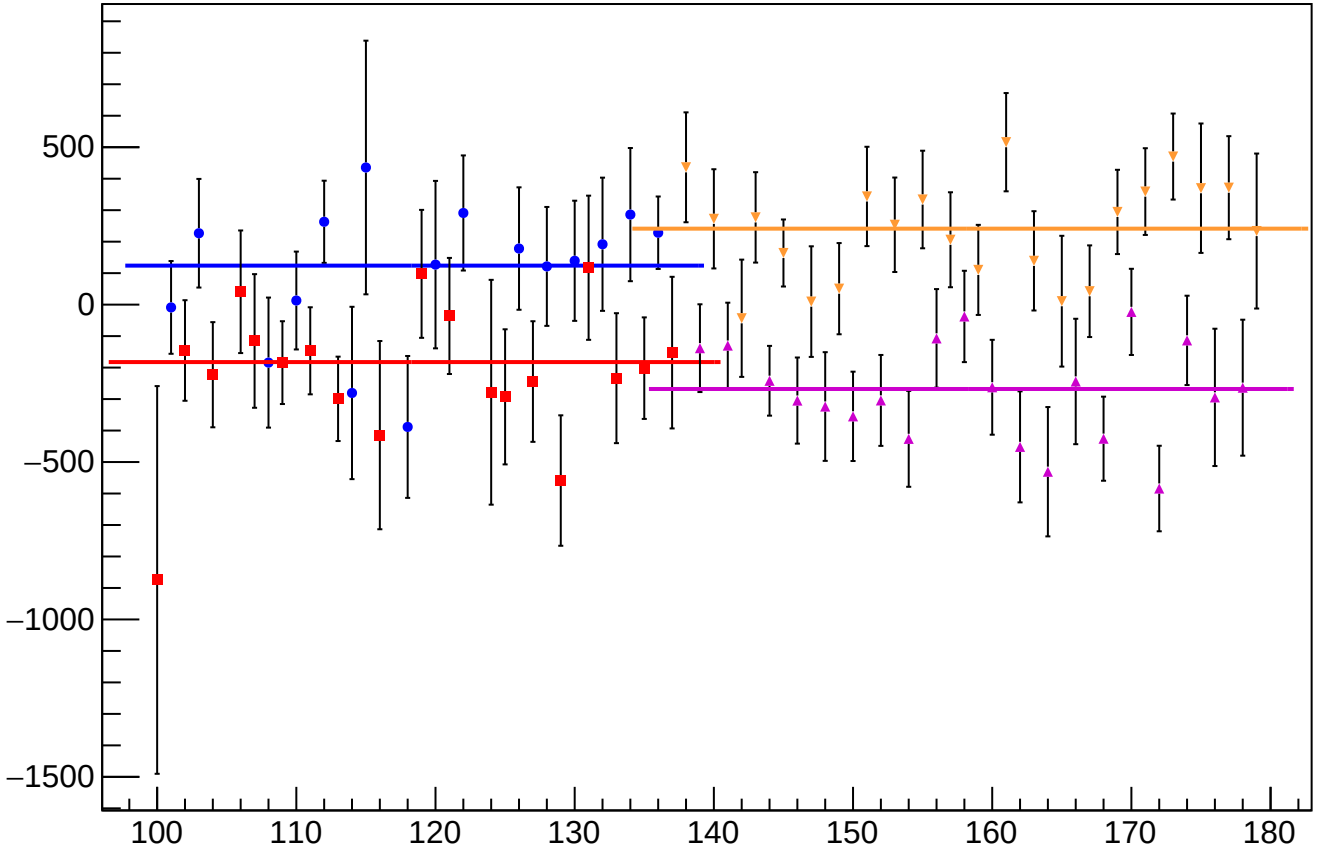
Left In: 914.043+/-0.162 χ^2/NDF:658683.5/19

+ sign 970.630+/-0.141 χ^2/NDF: 2006845.9/37

All: 965.601+/-0.100 χ^2/NDF: 3833659.3/76

- sign 960.494+/-0.143 χ^2/NDF: 1824267.8/38

dit_asym_sam_48_dd_mean vs Slug



Right In: 123.892+/-45.238 χ^2/NDF: 15.4/15

Left Out: 241.321+/-32.808 χ^2/NDF:20.7/21

Right Out: -182.467+/-43.224 χ^2/NDF: 12.3/18

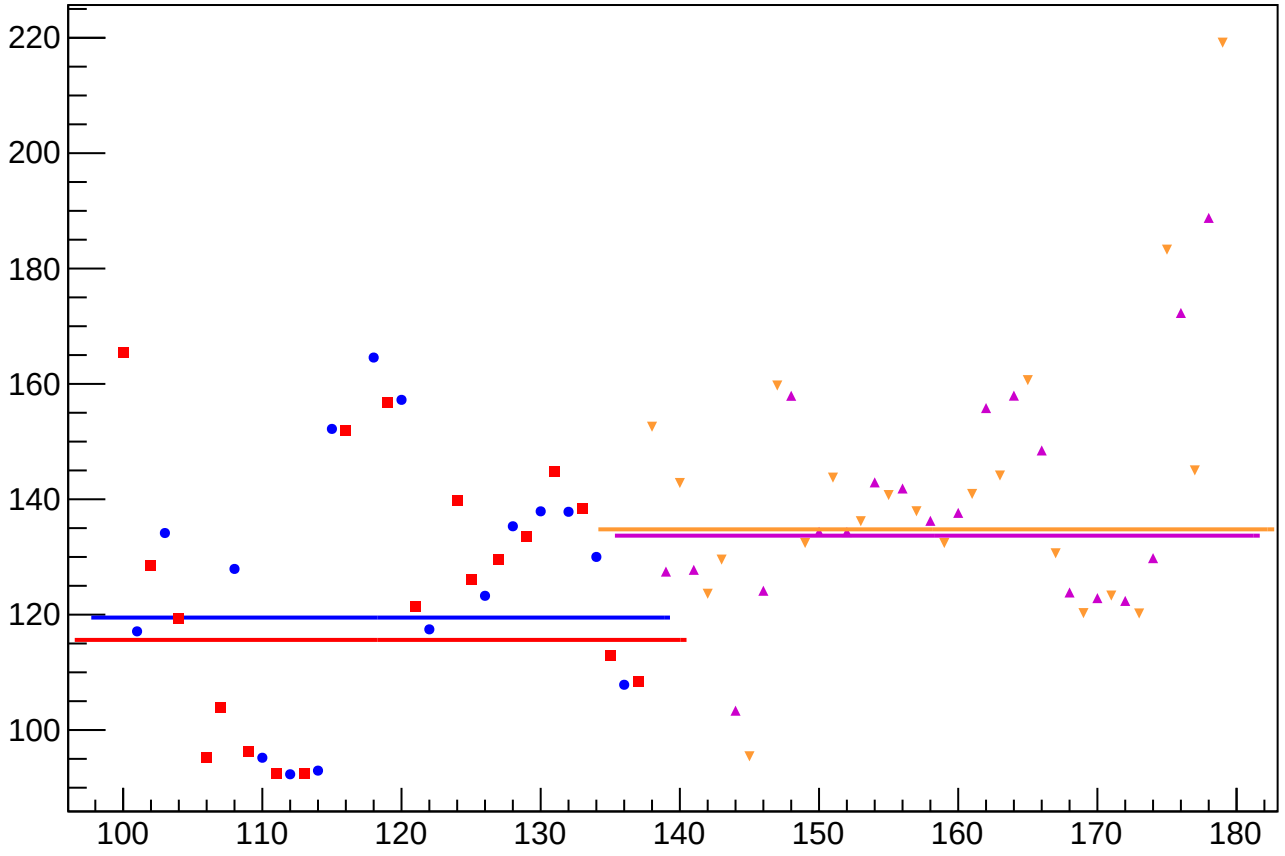
Left In: -267.968+/-33.639 χ^2/NDF:21.2/19

+ sign 200.846+/-26.559 χ^2/NDF: 40.5/37

All: -17.532+/-18.776 χ^2/NDF: 211.6/76

- sign -235.717+/-26.547 χ^2/NDF: 35.9/38

dit_asym_sam_48_dd_rms vs Slug



Right In: 119.495+/-0.032 χ^2/NDF: 380250.8/15

Left Out: 134.788+/-0.023 χ^2/NDF:817836.9/21

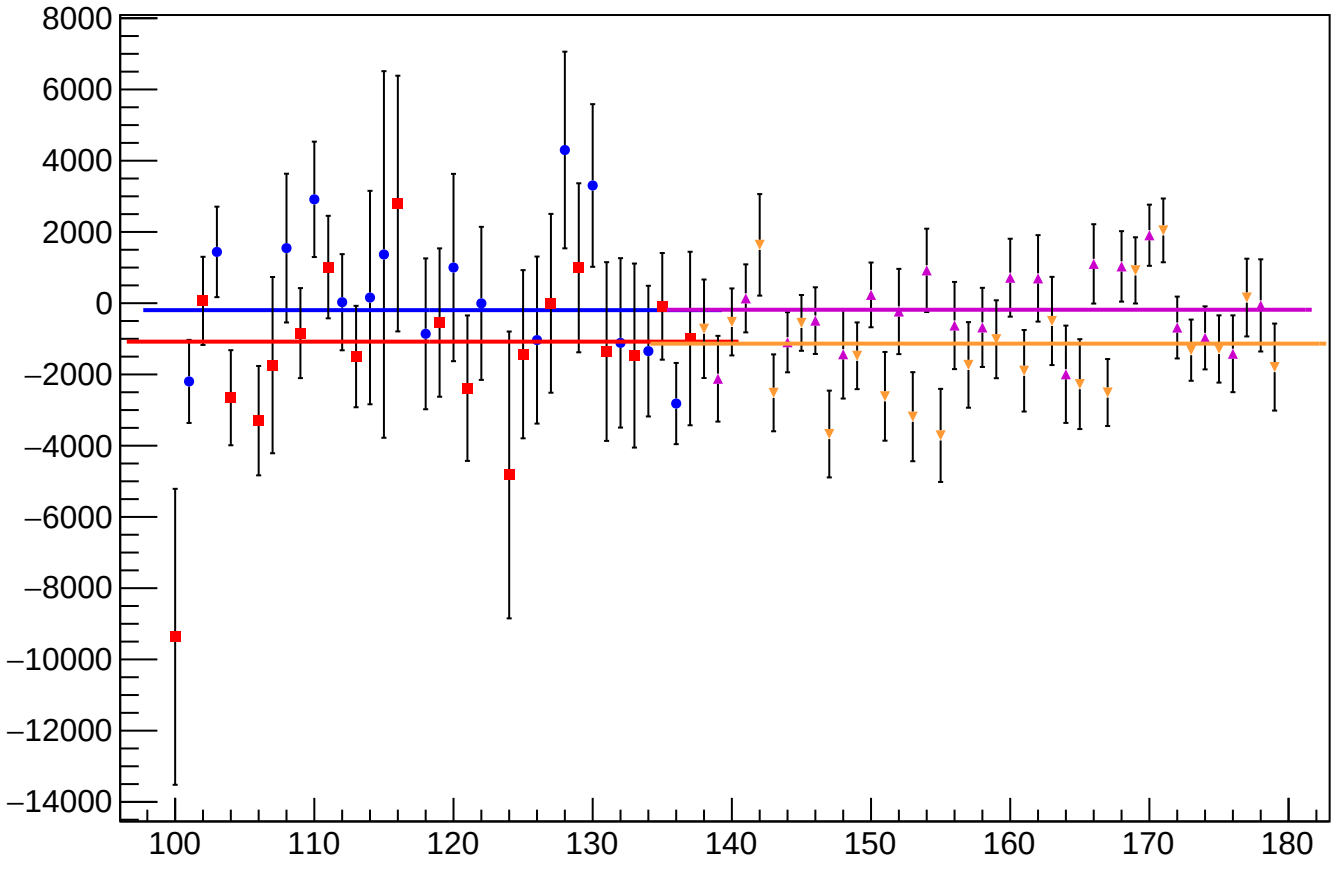
Right Out: 115.622+/-0.031 χ^2/NDF: 426961.7/18

Left In: 133.694+/-0.024 χ^2/NDF:523825.5/19

+ sign 129.517+/-0.019 χ^2/NDF: 1347884.0/37

All: 128.196+/-0.013 χ^2/NDF: 2526290.8/76

- sign 126.877+/-0.019 χ^2/NDF: 1168521.0/38



Right In: -195.086+/-447.334 χ^2/NDF: 20.4/15

Left Out: -1135.447+/-226.956 χ^2/NDF:42.1/21

Right Out: -1079.393+/-425.950 χ^2/NDF: 14.6/18

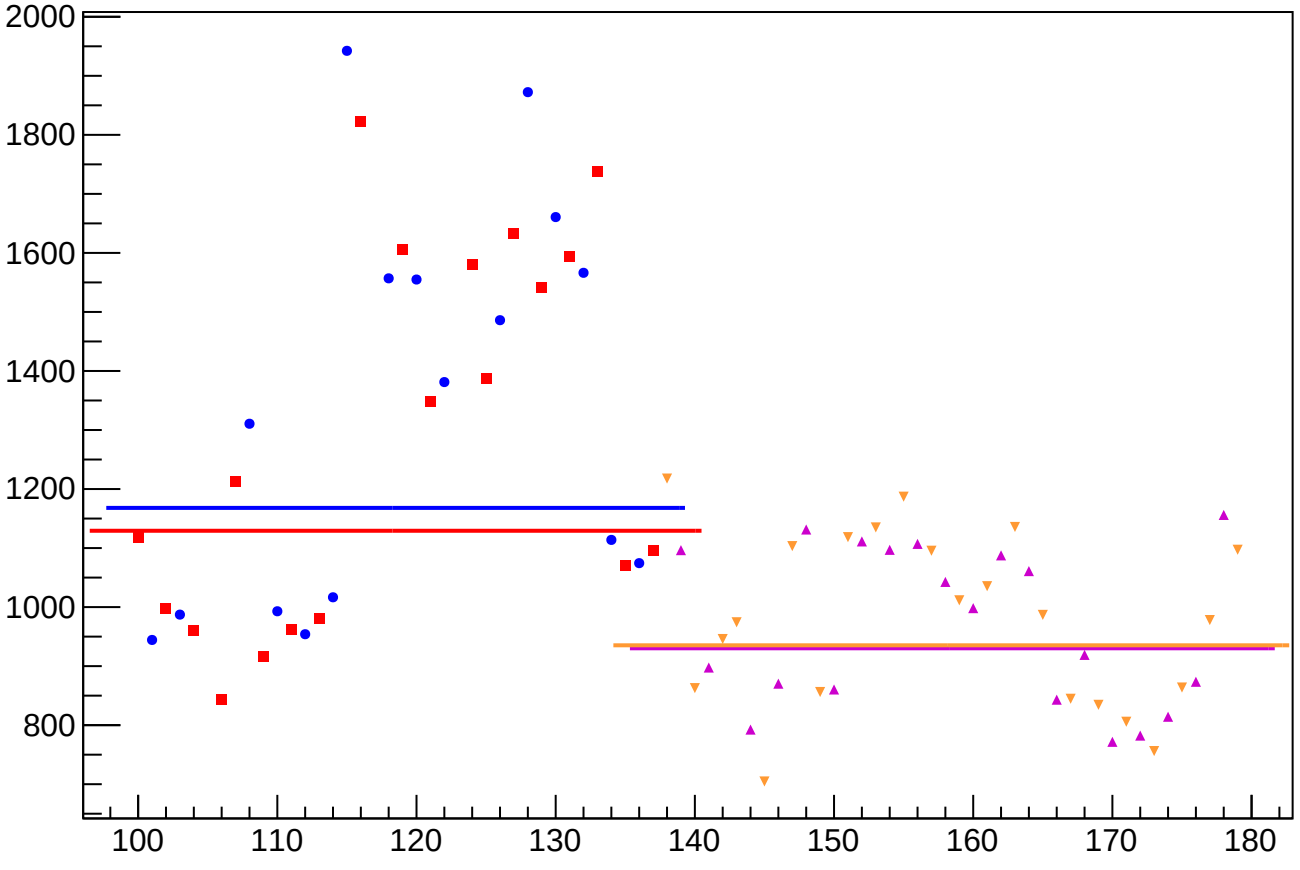
Left In: -183.973+/-233.178 χ^2/NDF:20.6/19

+ sign -942.943+/-202.397 χ^2/NDF: 66.0/37

All: -669.595+/-143.867 χ^2/NDF: 108.3/76

- sign -390.439+/-204.536 χ^2/NDF: 38.6/38

asym_sam_48_dd_dit_correction_rms vs Slug



Right In: 1168.063+/-0.316 χ^2/NDF: 709363.8/15

Left Out: 935.278+/-0.160 χ^2/NDF:829405.5/21

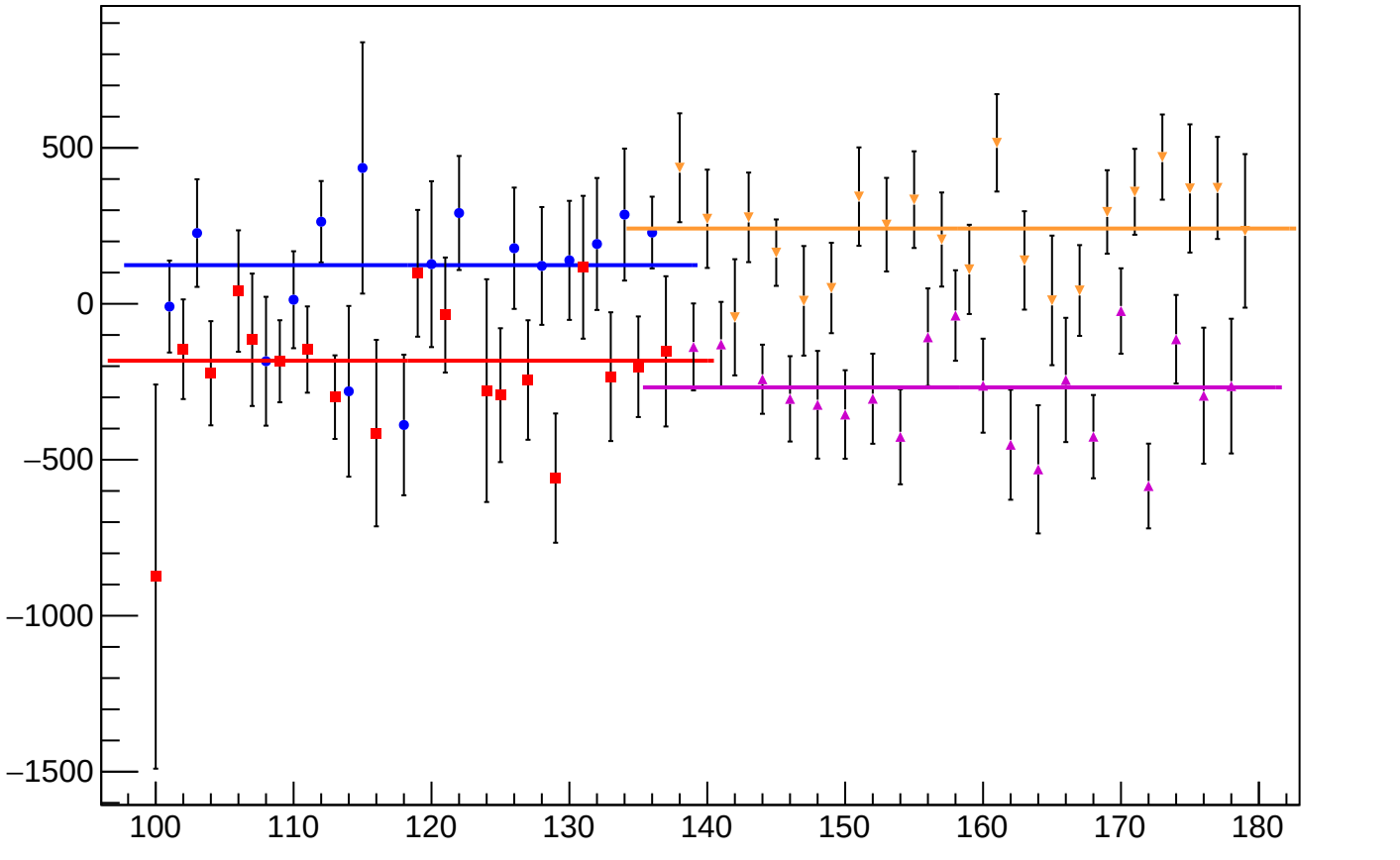
Right Out: 1129.316+/-0.301 χ^2/NDF: 807222.5/18

Left In: 930.206+/-0.165 χ^2/NDF:613868.9/19

+ sign 982.932+/-0.143 χ^2/NDF: 1969493.2/37

All: 979.560+/-0.102 χ^2/NDF: 3727959.5/76

- sign 976.117+/-0.145 χ^2/NDF: 1757344.2/38



Right In: 123.895+/-45.238 χ^2/NDF: 15.4/15

Left Out: 241.324+/-32.808 χ^2/NDF:20.7/21

Right Out: -182.468+/-43.224 χ^2/NDF: 12.3/18

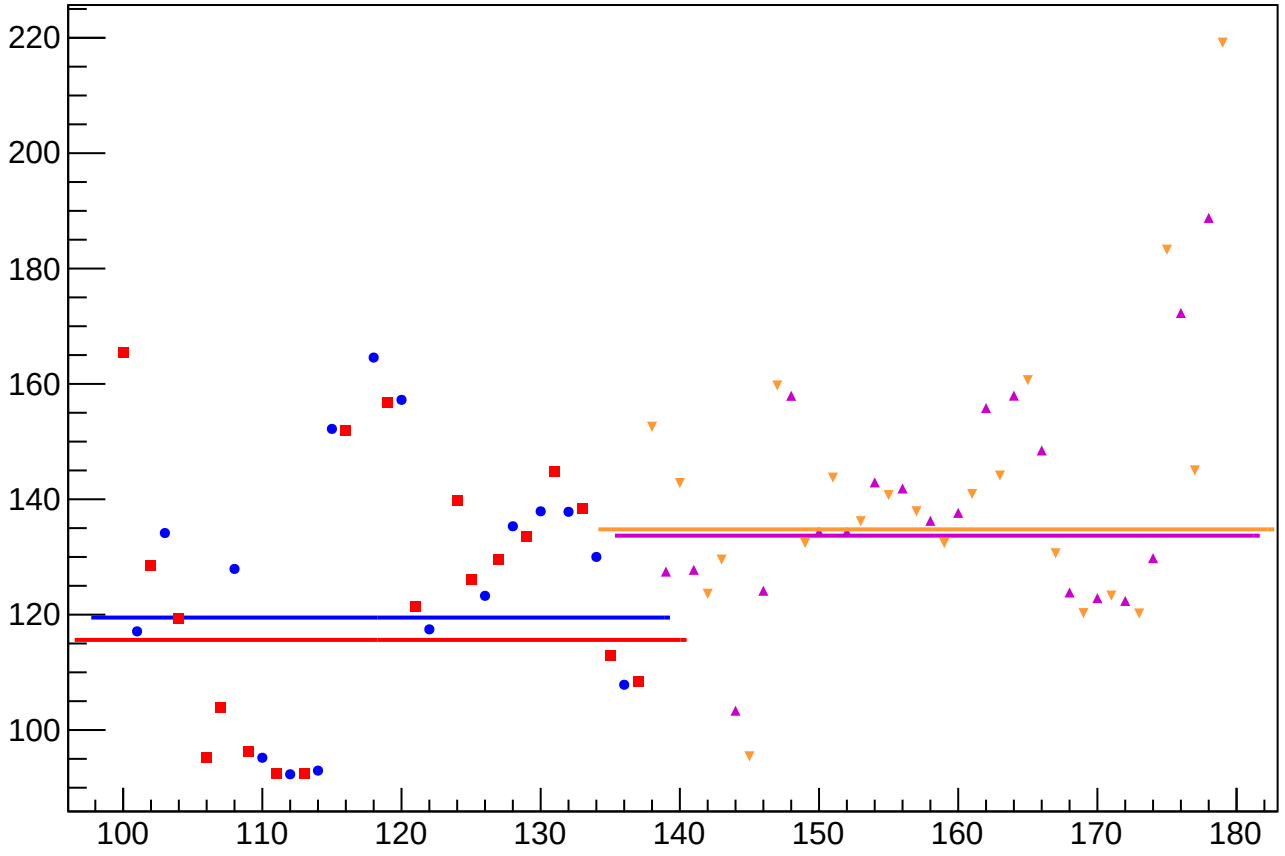
Left In: -267.969+/-33.639 χ^2/NDF:21.2/19

+ sign 200.849+/-26.559 χ^2/NDF: 40.5/37

All: -17.531+/-18.776 χ^2/NDF: 211.6/76

- sign -235.717+/-26.547 χ^2/NDF: 35.9/38

eigen_dit_asym_sam_48_dd_rms vs Slug



Right In: 119.495+/-0.032 χ^2/NDF: 380254.2/15

Left Out: 134.788+/-0.023 χ^2/NDF:817842.0/21

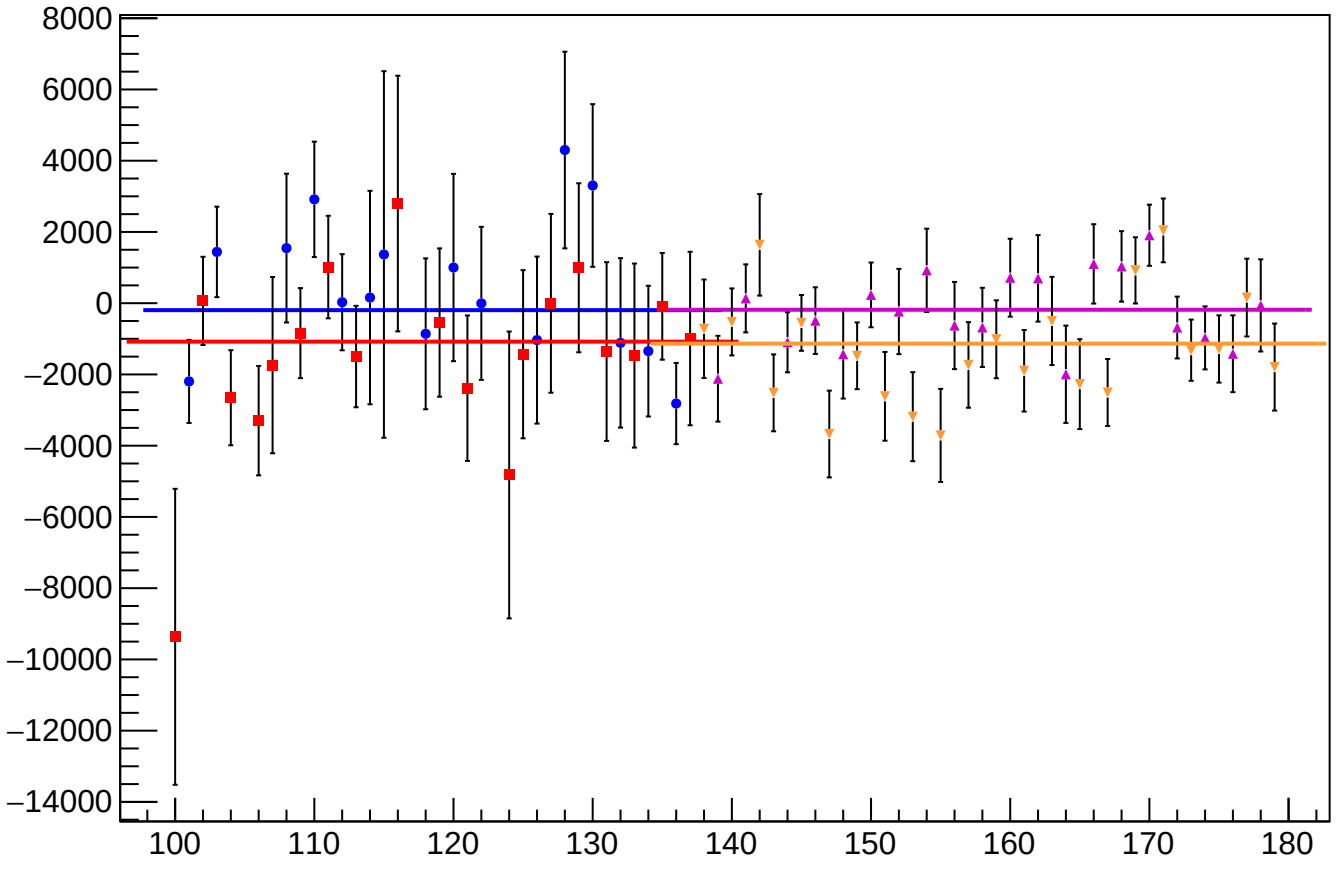
Right Out: 115.622+/-0.031 χ^2/NDF: 426966.4/18

Left In: 133.694+/-0.024 χ^2/NDF:523818.8/19

+ sign 129.517+/-0.019 χ^2/NDF: 1347892.1/37

All: 128.196+/-0.013 χ^2/NDF: 2526298.2/76

- sign 126.877+/-0.019 χ^2/NDF: 1168520.0/38



Right In: -195.085+/-447.334 χ^2/NDF: 20.4/15

Left Out: -1135.445+/-226.956 χ^2/NDF:42.1/21

Right Out: -1079.393+/-425.950 χ^2/NDF: 14.6/18

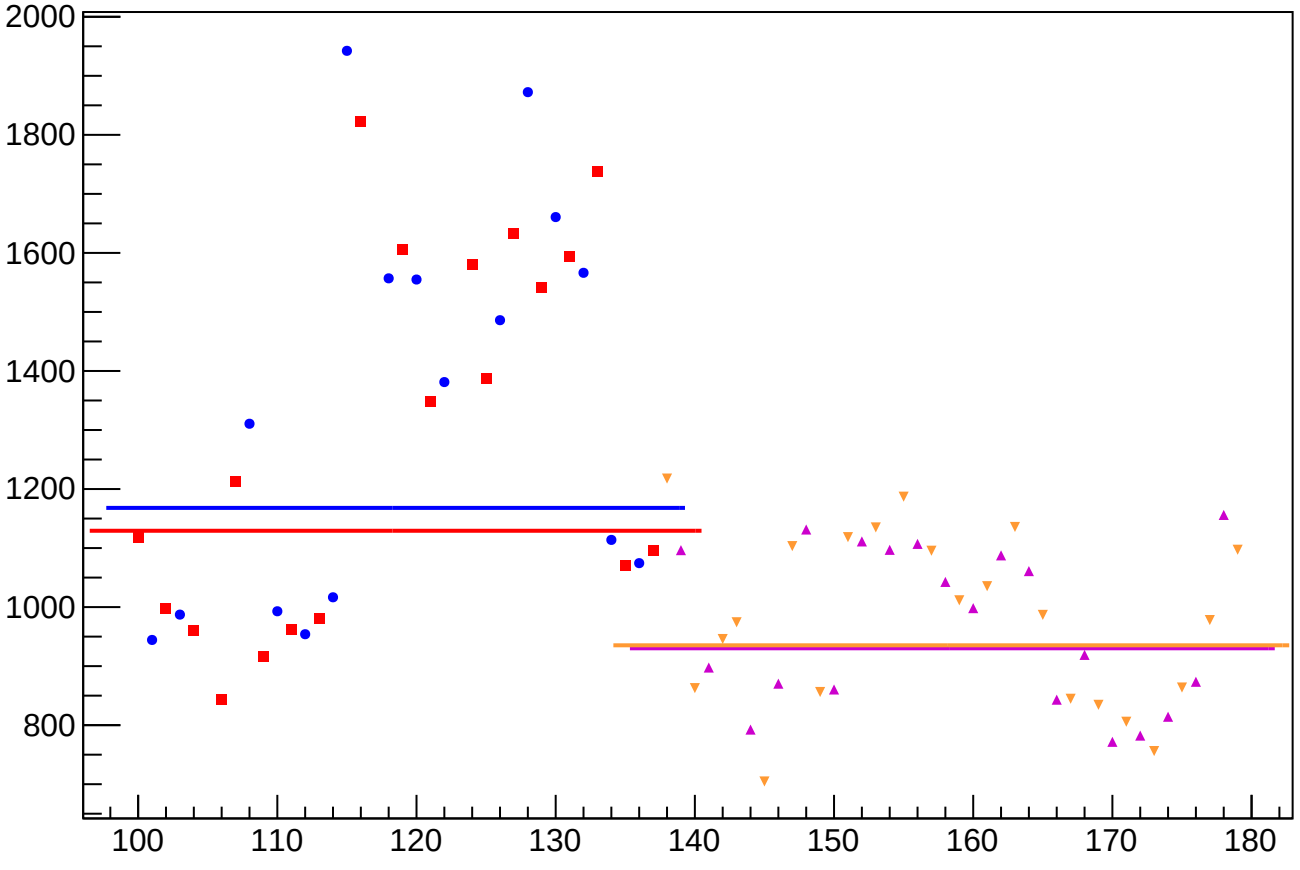
Left In: -183.972+/-233.178 χ^2/NDF:20.6/19

+ sign -942.941+/-202.397 χ^2/NDF: 66.0/37

All: -669.594+/-143.866 χ^2/NDF: 108.3/76

- sign -390.438+/-204.536 χ^2/NDF: 38.6/38

asym_sam_48_dd_eigen_dit_correction_rms vs Slug



Right In: 1168.063+/-0.316 χ^2/NDF: 709365.6/15

Left Out: 935.277+/-0.160 χ^2/NDF:829408.1/21

Right Out: 1129.316+/-0.301 χ^2/NDF: 807224.0/18

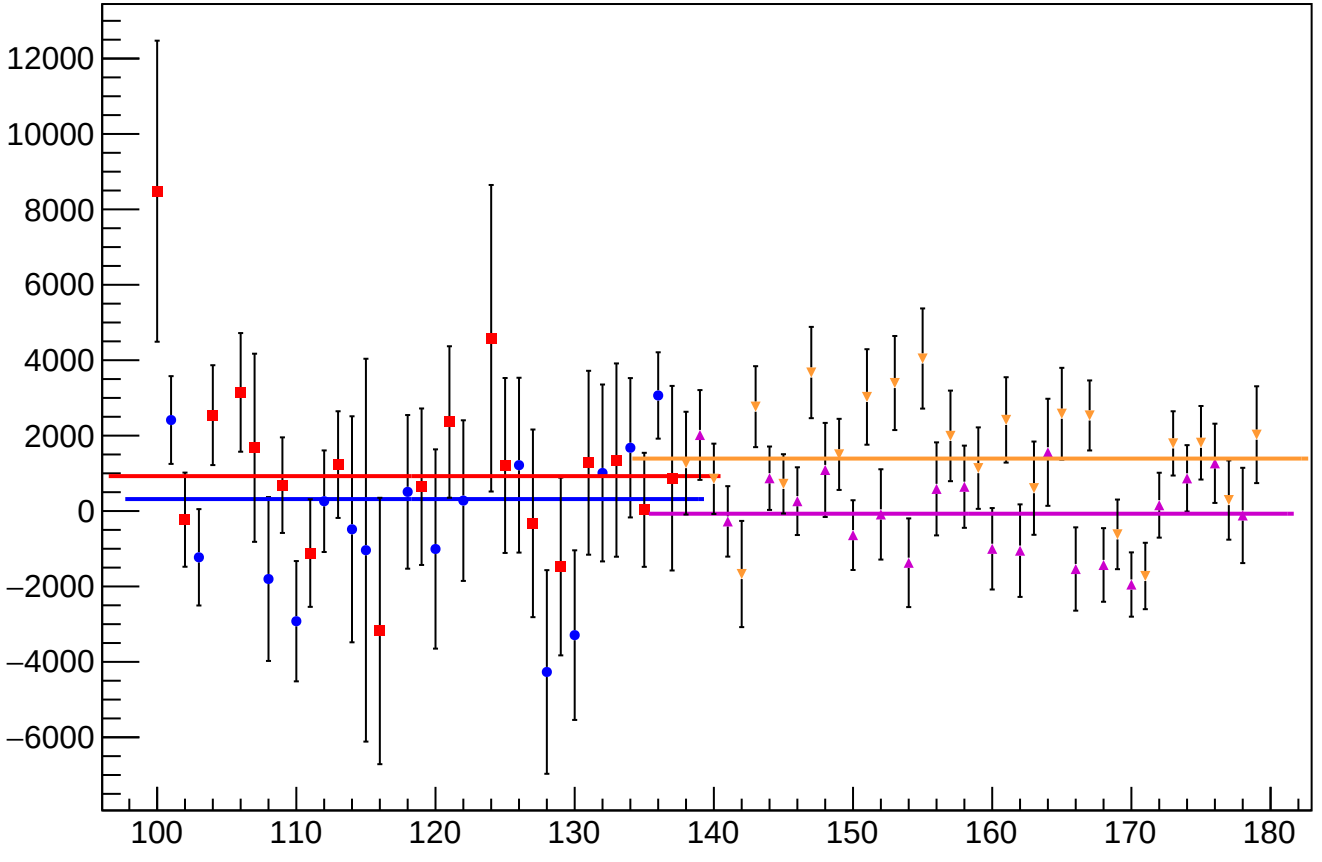
Left In: 930.205+/-0.165 χ^2/NDF:613868.7/19

\+ sign 982.931+/-0.143 χ^2/NDF: 1969501.4/37

All: 979.559+/-0.102 χ^2/NDF: 3727971.2/76

\- sign 976.116+/-0.145 χ^2/NDF: 1757347.8/38

asym_sam_48_dd_mean vs Slug



Right In: 317.365+/-446.341 χ^2/NDF: 22.2/15

Left Out: 1391.468+/-226.224 χ^2/NDF:42.2/21

Right Out: 926.036+/-425.405 χ^2/NDF: 14.5/18

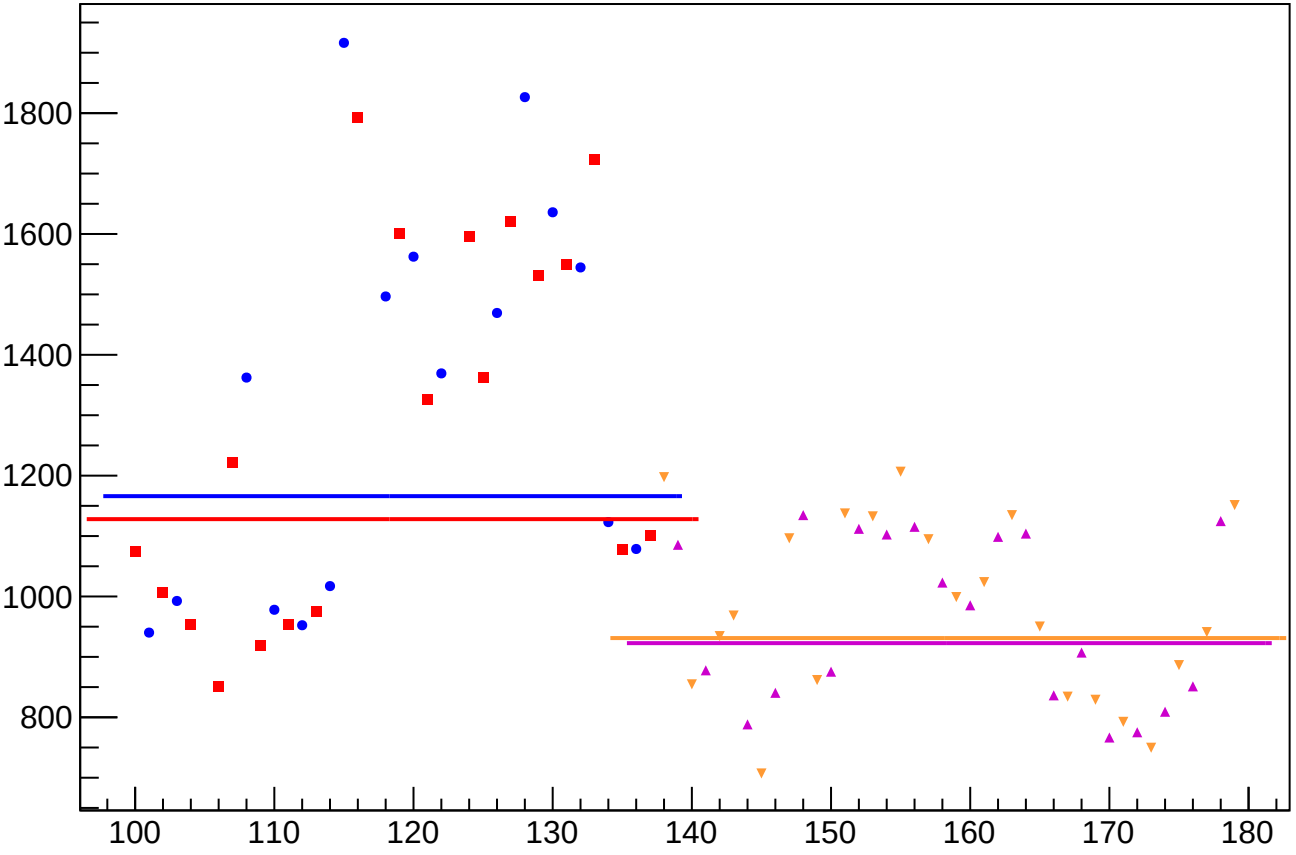
Left In: -71.048+/-231.431 χ^2/NDF:21.8/19

+ sign 1171.937+/-201.786 χ^2/NDF: 69.0/37

All: 668.078+/-143.214 χ^2/NDF: 122.1/76

- sign 156.659+/-203.294 χ^2/NDF: 40.5/38

asym_sam_48_dd_rms vs Slug



Right In: 1166.056+/-0.316 χ^2/NDF: 677063.1/15

Left Out: 931.160+/-0.160 χ^2/NDF:856733.0/21

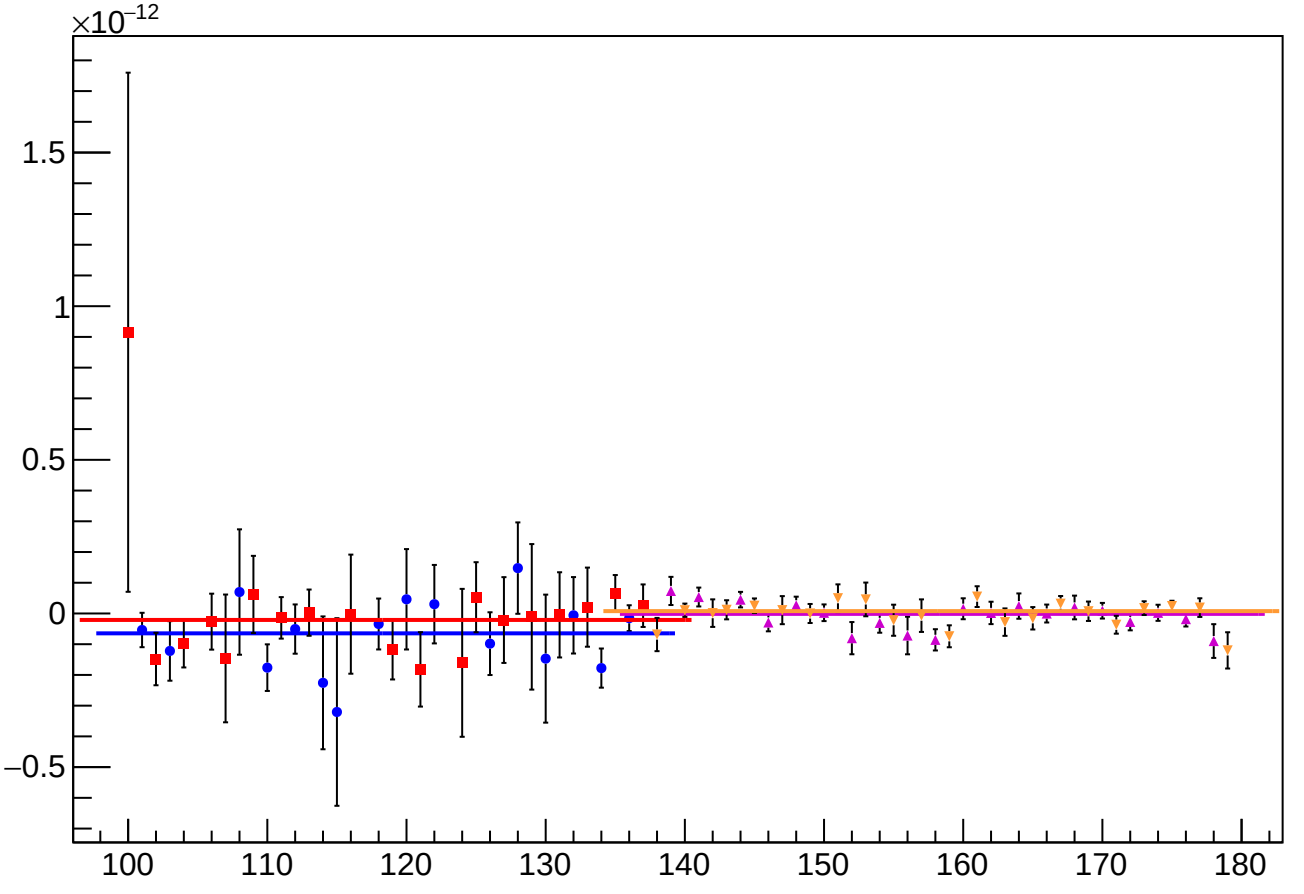
Right Out: 1128.006+/-0.301 χ^2/NDF: 775766.7/18

Left In: 922.758+/-0.164 χ^2/NDF:647982.9/19

+ sign 979.169+/-0.143 χ^2/NDF: 1974508.3/37

All: 974.435+/-0.101 χ^2/NDF: 3759723.3/76

- sign 969.631+/-0.144 χ^2/NDF: 1782997.3/38



Right In: -0.000+/-0.000 χ^2/NDF: 12.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:21.9/21

Right Out: -0.000+/-0.000 χ^2/NDF: 11.5/18

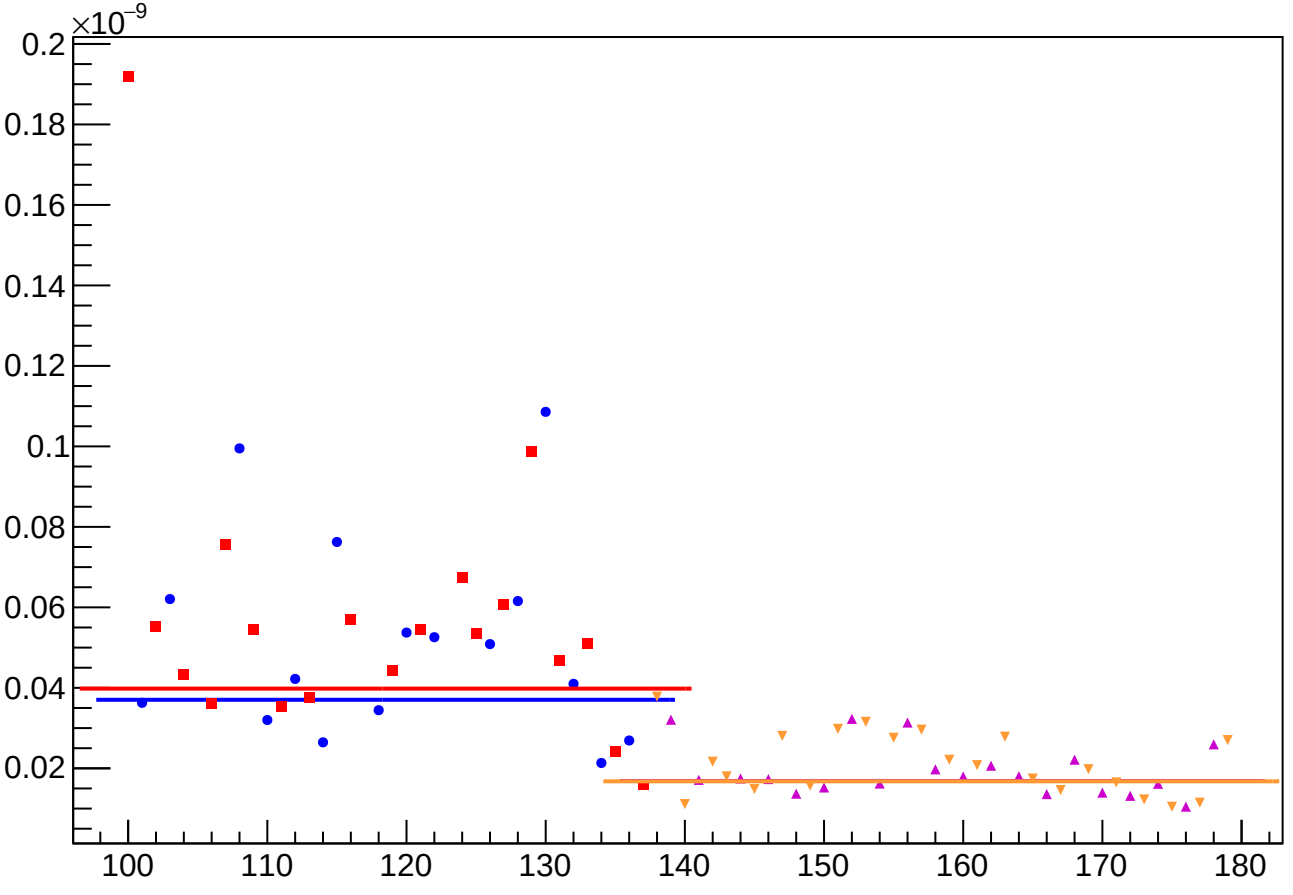
Left In: -0.000+/-0.000 χ^2/NDF:26.7/19

+ sign 0.000+/-0.000 χ^2/NDF: 44.4/37

All: -0.000+/-0.000 χ^2/NDF: 83.4/76

- sign -0.000+/-0.000 χ^2/NDF: 38.8/38

asym_sam_48_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 995390.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1822500.8/21

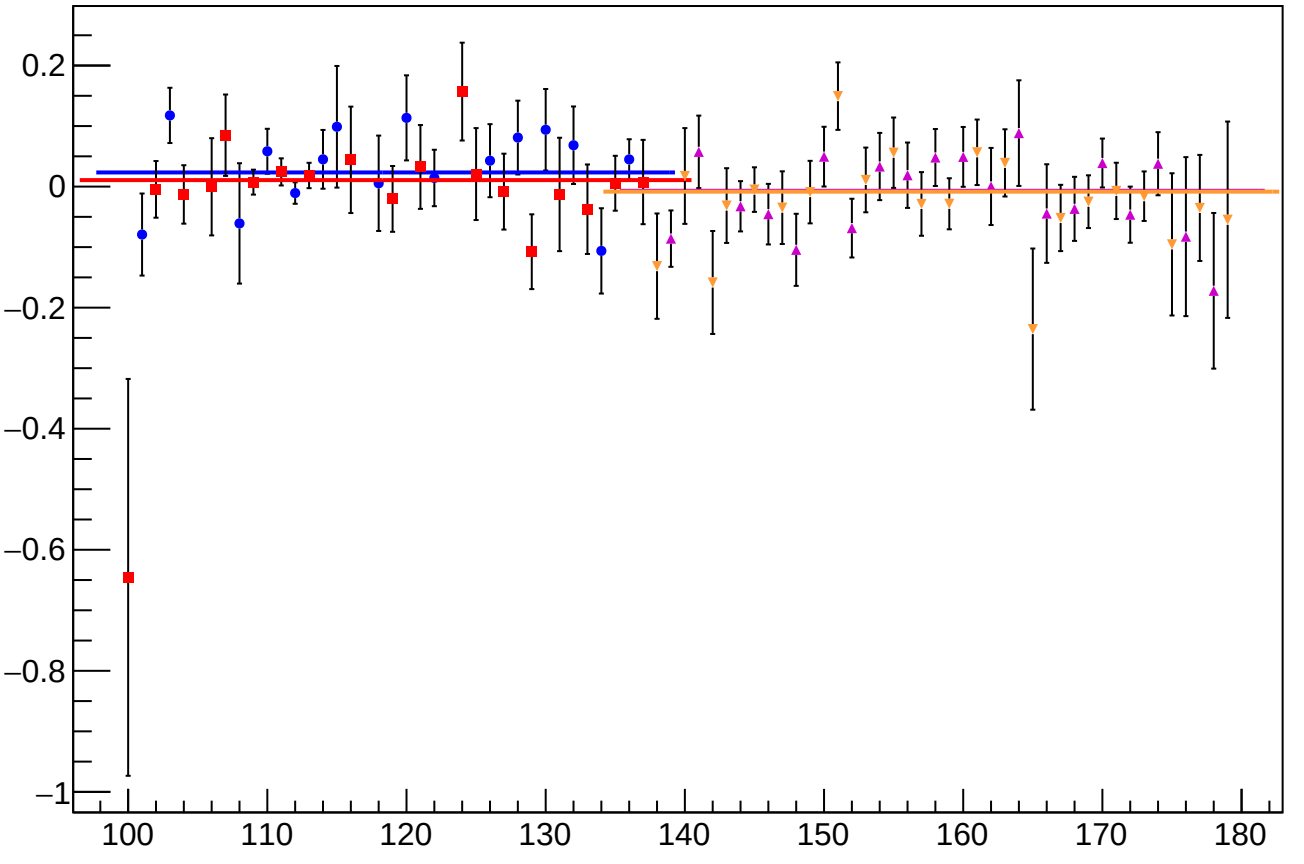
Right Out: 0.000+/-0.000 χ^2/NDF: 903728.0/18

Left In: 0.000+/-0.000 χ^2/NDF:903728.2/19

+ sign 0.000+/-0.000 χ^2/NDF: 4391976.9/37

All: 0.000+/-0.000 χ^2/NDF: 8003543.1/76

- sign 0.000+/-0.000 χ^2/NDF: 3609171.7/38



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.008+/-0.012 χ^2/NDF:21.9/21

Right Out: 0.011+/-0.010 χ^2/NDF: 14.2/18

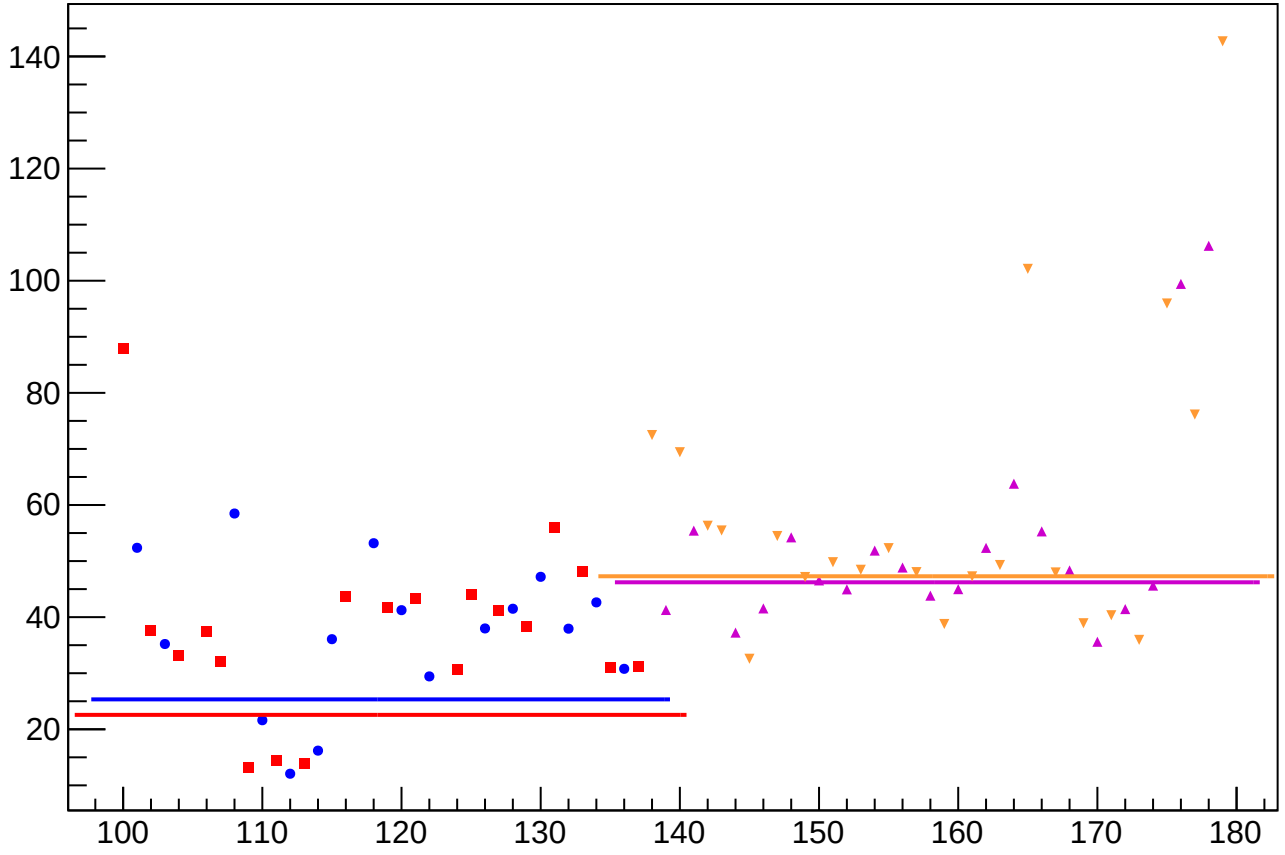
Left In: -0.007+/-0.012 χ^2/NDF:20.5/19

+ sign 0.009+/-0.008 χ^2/NDF: 46.4/37

All: 0.006+/-0.006 χ^2/NDF: 82.6/76

- sign 0.004+/-0.008 χ^2/NDF: 36.0/38

asym_sam_48_dd_dit_vs_cor_diff_rms vs Slug



Right In: 25.334+/-0.008 χ^2/NDF: 2925132.2/15

Left Out: 47.291+/-0.009 χ^2/NDF:2696994.0/21

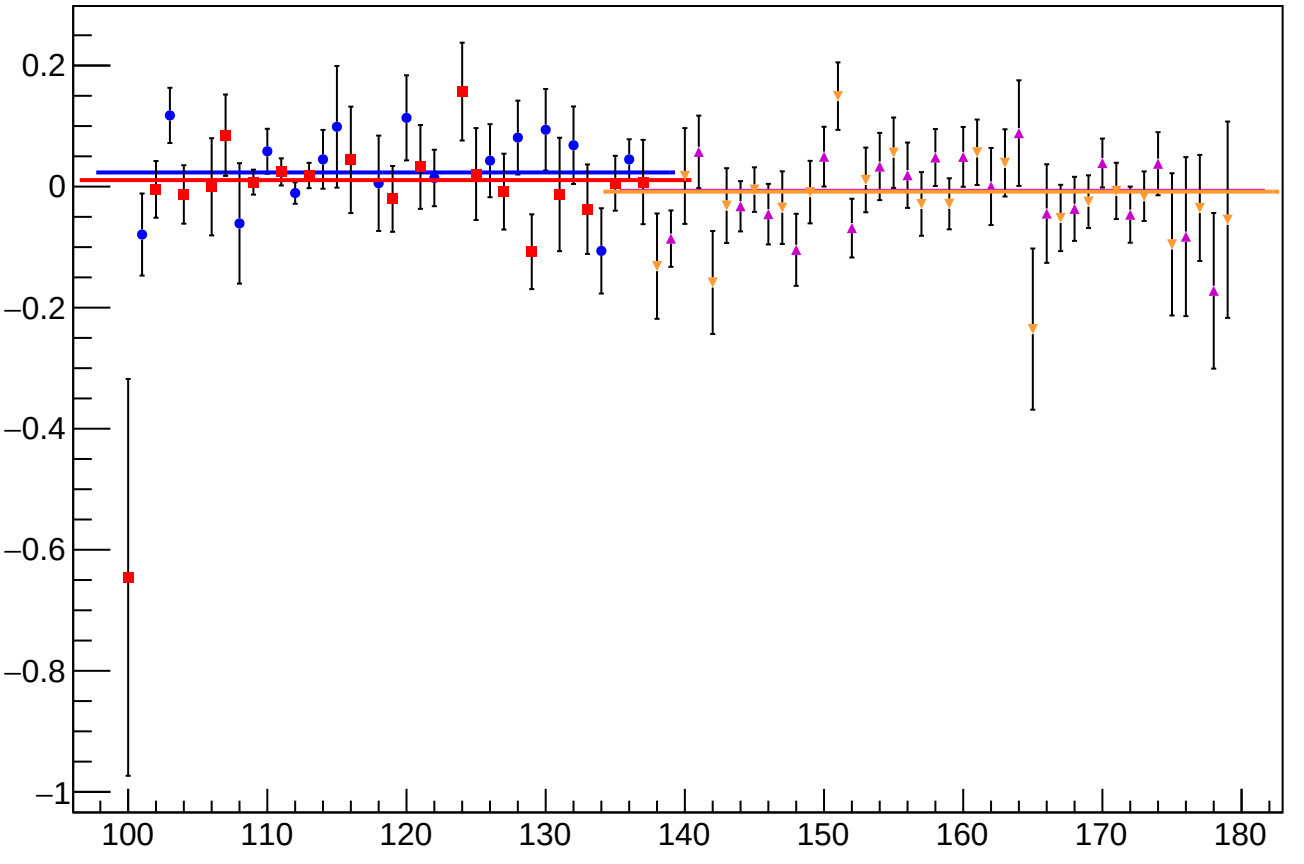
Right Out: 22.571+/-0.007 χ^2/NDF: 3139937.1/18

Left In: 46.216+/-0.009 χ^2/NDF:1301117.3/19

+ sign 35.358+/-0.006 χ^2/NDF: 9215028.0/37

All: 33.525+/-0.004 χ^2/NDF: 18449330.9/76

- sign 31.926+/-0.005 χ^2/NDF: 9045360.5/38



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.008+/-0.012 χ^2/NDF:21.9/21

Right Out: 0.011+/-0.010 χ^2/NDF: 14.2/18

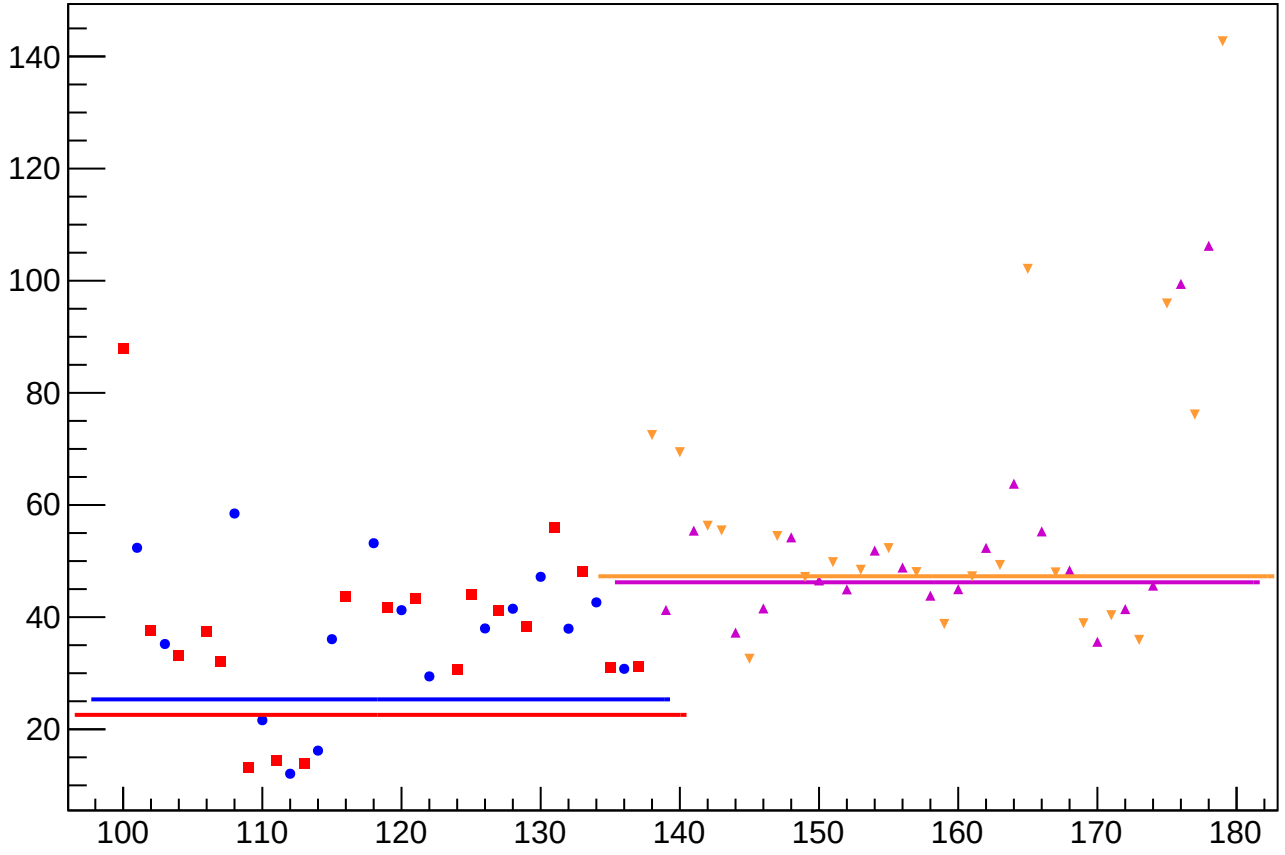
Left In: -0.007+/-0.012 χ^2/NDF:20.5/19

+ sign 0.009+/-0.008 χ^2/NDF: 46.4/37

All: 0.006+/-0.006 χ^2/NDF: 82.6/76

- sign 0.004+/-0.008 χ^2/NDF: 36.0/38

asym_sam_48_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 25.334+/-0.008 χ^2/NDF: 2925132.2/15

Left Out: 47.291+/-0.009 χ^2/NDF:2696994.0/21

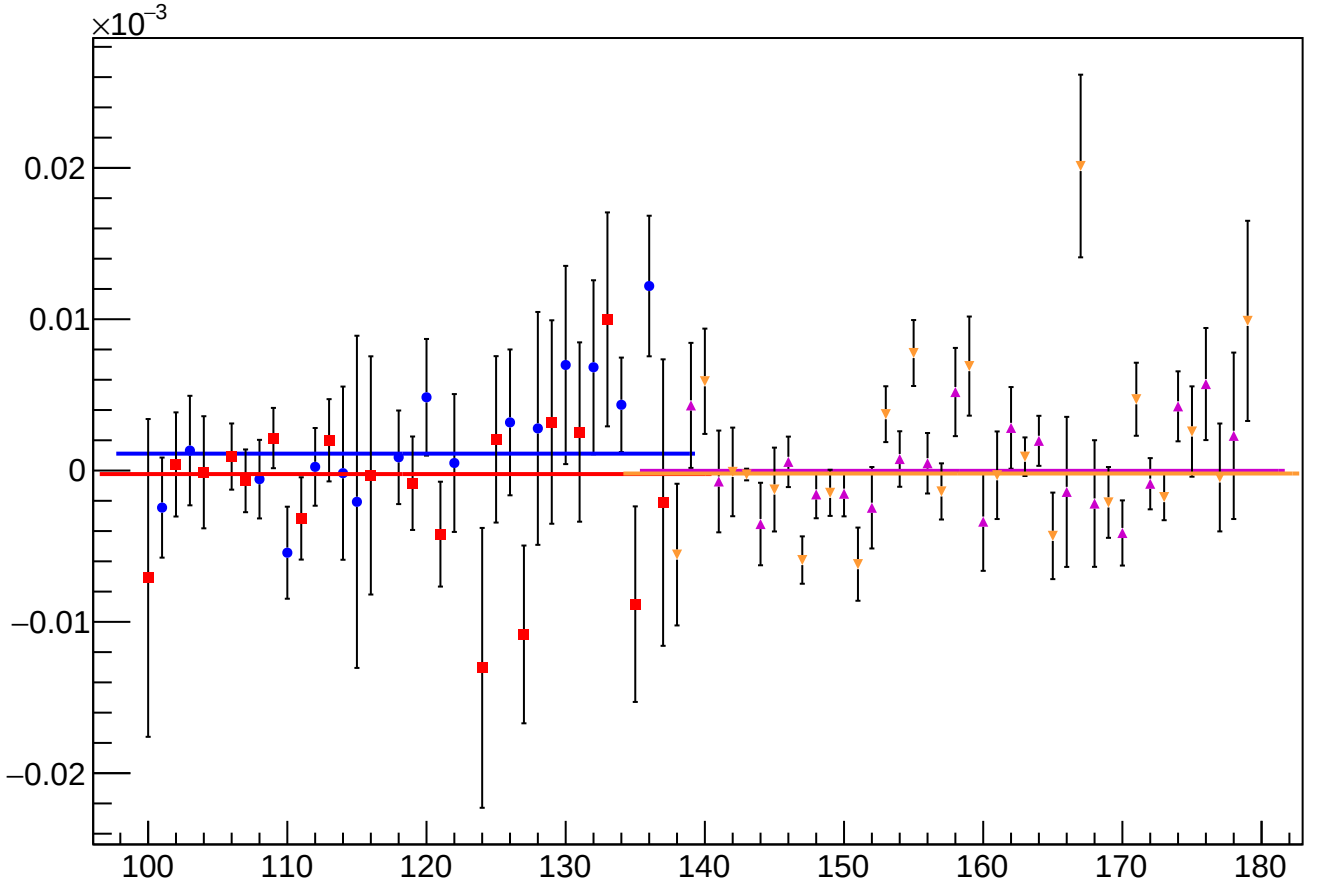
Right Out: 22.571+/-0.007 χ^2/NDF: 3139937.1/18

Left In: 46.216+/-0.009 χ^2/NDF:1301117.3/19

+ sign 35.358+/-0.006 χ^2/NDF: 9215028.0/37

All: 33.525+/-0.004 χ^2/NDF: 18449330.9/76

- sign 31.926+/-0.005 χ^2/NDF: 9045360.5/38



Right In: 0.000+/-0.000 χ^2/NDF: 16.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:70.9/21

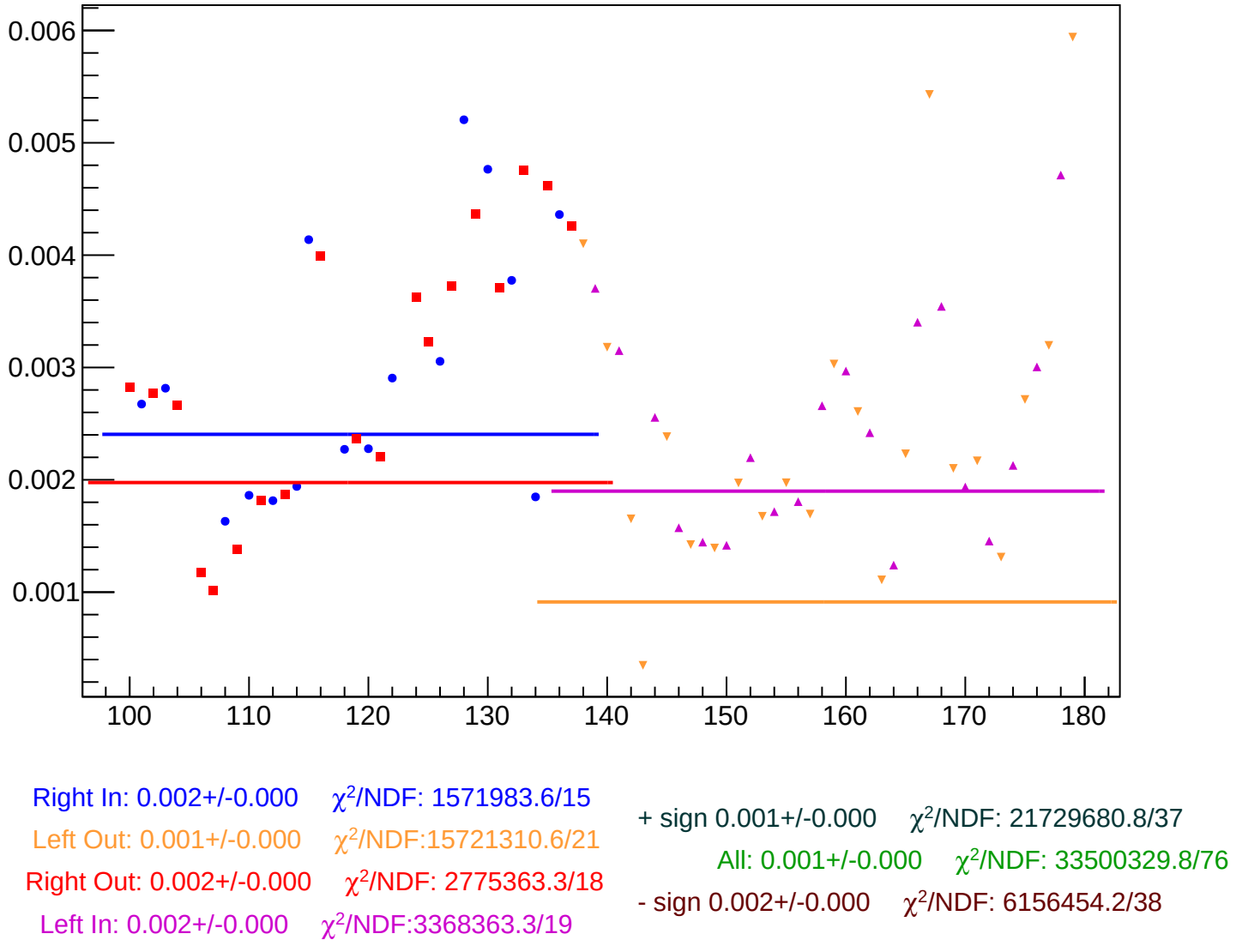
Right Out: -0.000+/-0.000 χ^2/NDF: 15.1/18

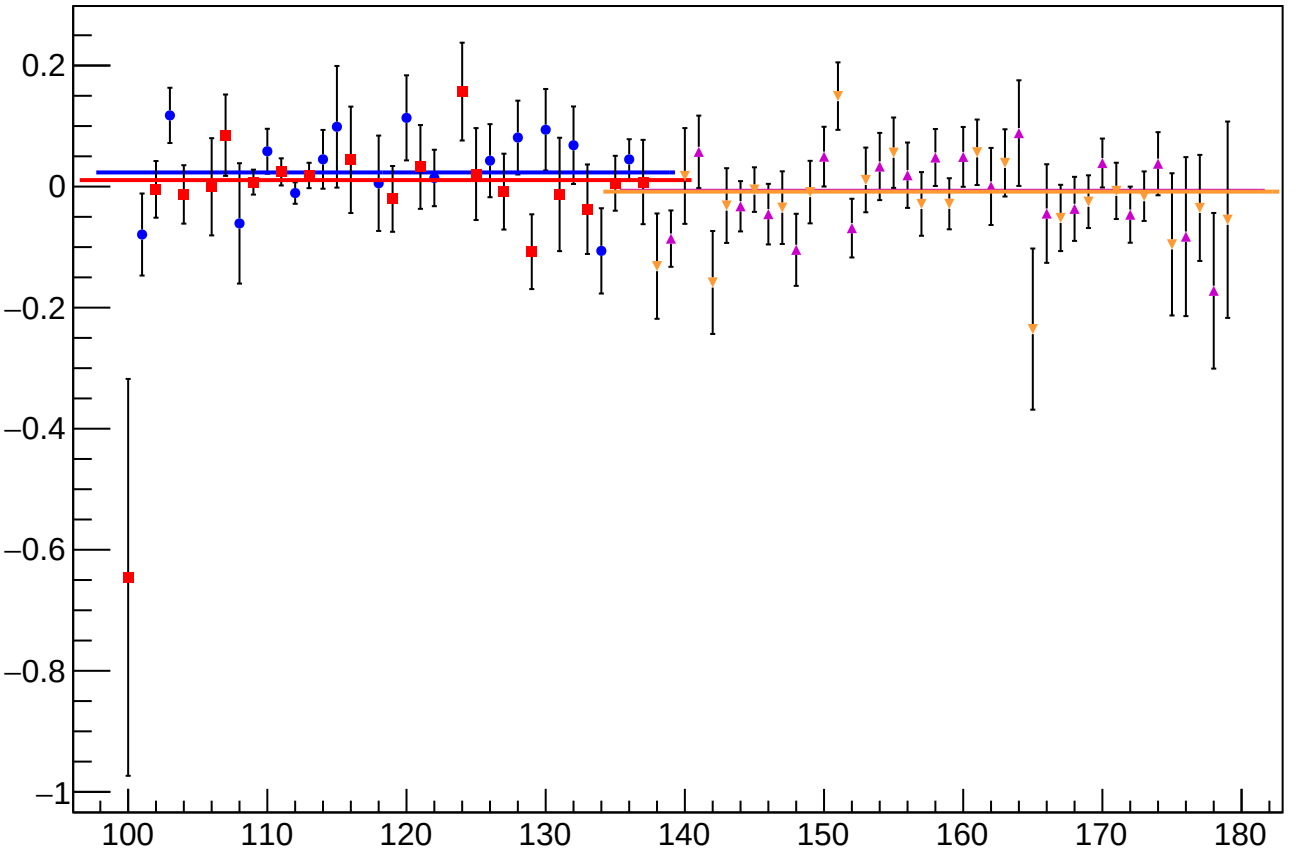
Left In: -0.000+/-0.000 χ^2/NDF:23.0/19

+ sign -0.000+/-0.000 χ^2/NDF: 88.8/37

All: -0.000+/-0.000 χ^2/NDF: 127.0/76

- sign -0.000+/-0.000 χ^2/NDF: 38.2/38


asym_sam_48_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.006
0.005
0.004
0.003
0.002
0.001
100
110
120
130
140
150
160
170
180
Right In: 0.002+/-0.000 χ²/NDF: 1571983.6/15
Left Out: 0.001+/-0.000 χ²/NDF:15721310.6/21
Right Out: 0.002+/-0.000 χ²/NDF: 2775363.3/18
Left In: 0.002+/-0.000 χ²/NDF:3368363.3/19
+ sign 0.001+/-0.000 χ²/NDF: 21729680.8/37
All: 0.001+/-0.000 χ²/NDF: 33500329.8/76
- sign 0.002+/-0.000 χ²/NDF: 6156454.2/38



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.008+/-0.012 χ^2/NDF:21.9/21

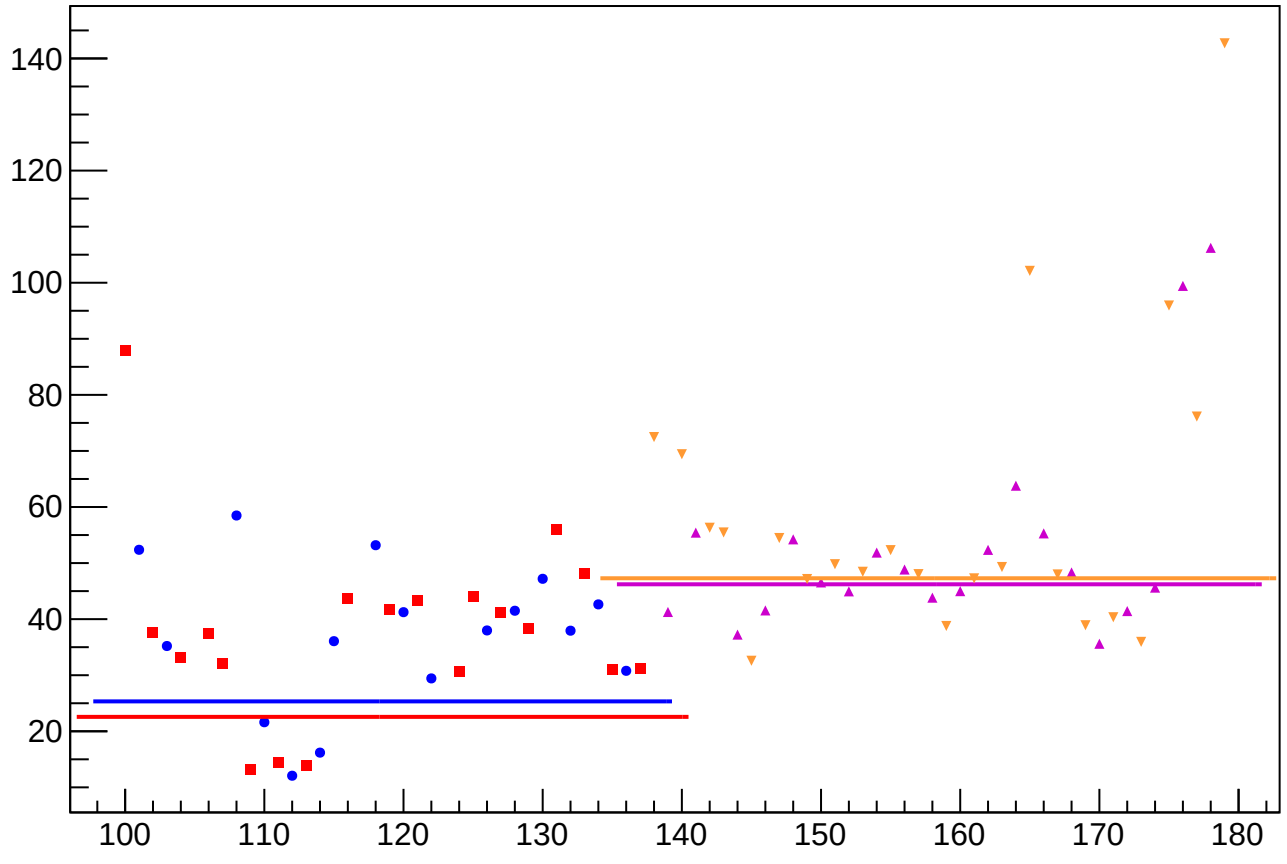
Right Out: 0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: -0.007+/-0.012 χ^2/NDF:20.5/19

+ sign 0.009+/-0.008 χ^2/NDF: 46.4/37

All: 0.006+/-0.006 χ^2/NDF: 82.6/76

- sign 0.004+/-0.008 χ^2/NDF: 36.0/38



Right In: 25.332+/-0.008 χ^2/NDF: 2925549.0/15

Left Out: 47.291+/-0.009 χ^2/NDF:2696964.1/21

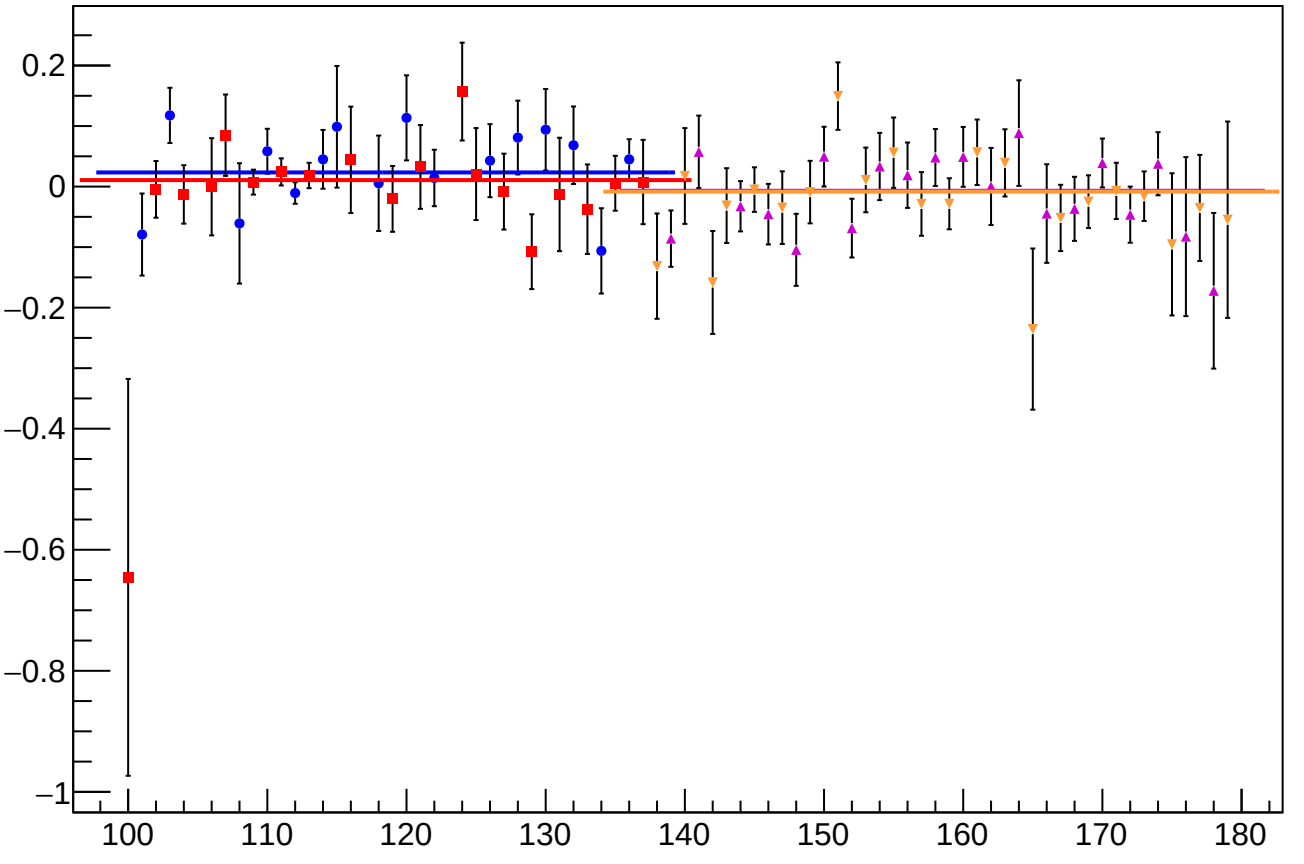
Right Out: 22.571+/-0.007 χ^2/NDF: 3140082.3/18

Left In: 46.216+/-0.009 χ^2/NDF:1301084.6/19

+ sign 35.357+/-0.006 χ^2/NDF: 9216012.8/37

All: 33.524+/-0.004 χ^2/NDF: 18450570.2/76

- sign 31.926+/-0.005 χ^2/NDF: 9045694.1/38



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.008+/-0.012 χ^2/NDF:21.9/21

Right Out: 0.011+/-0.010 χ^2/NDF: 14.2/18

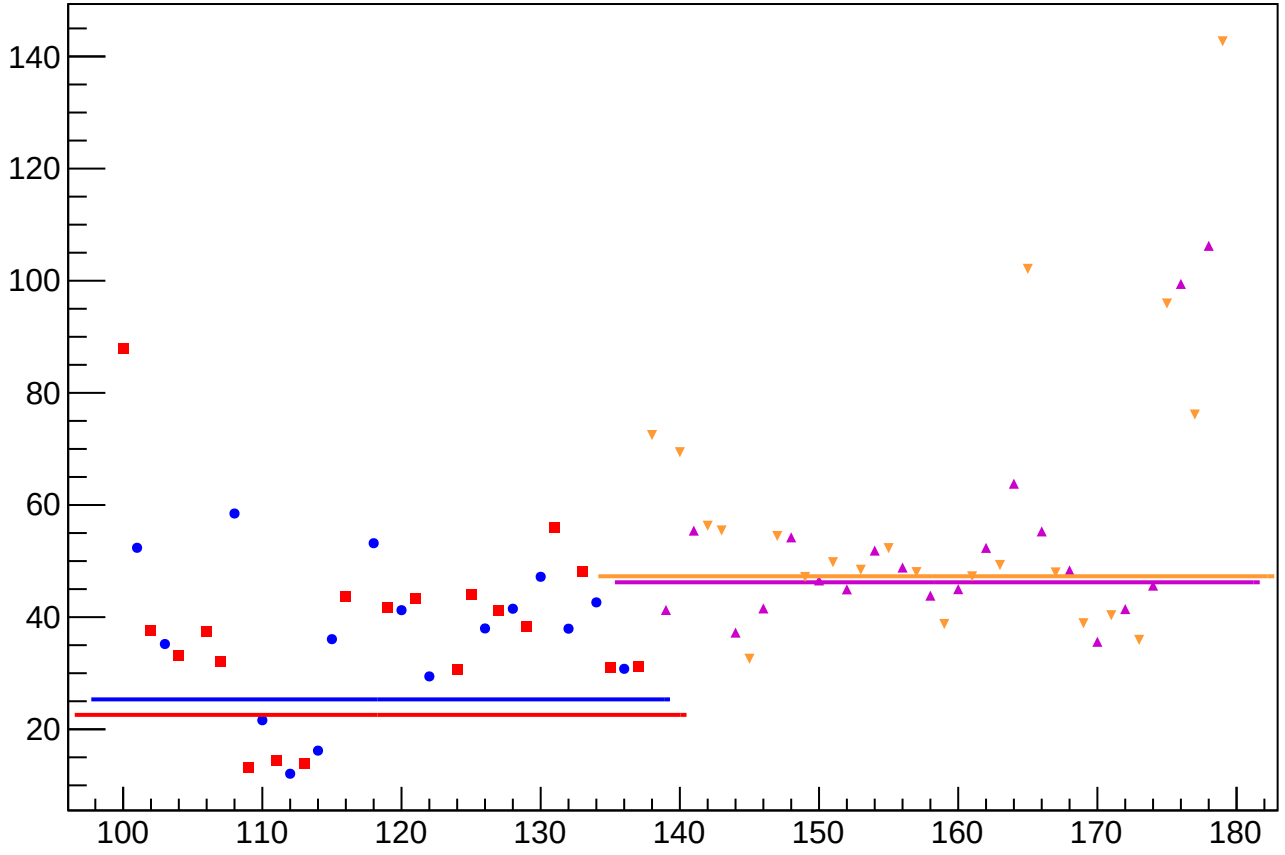
Left In: -0.007+/-0.012 χ^2/NDF:20.5/19

+ sign 0.009+/-0.008 χ^2/NDF: 46.4/37

All: 0.006+/-0.006 χ^2/NDF: 82.6/76

- sign 0.004+/-0.008 χ^2/NDF: 36.0/38

asym_sam_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 25.332+/-0.008 χ^2/NDF: 2925549.0/15

Left Out: 47.291+/-0.009 χ^2/NDF:2696964.1/21

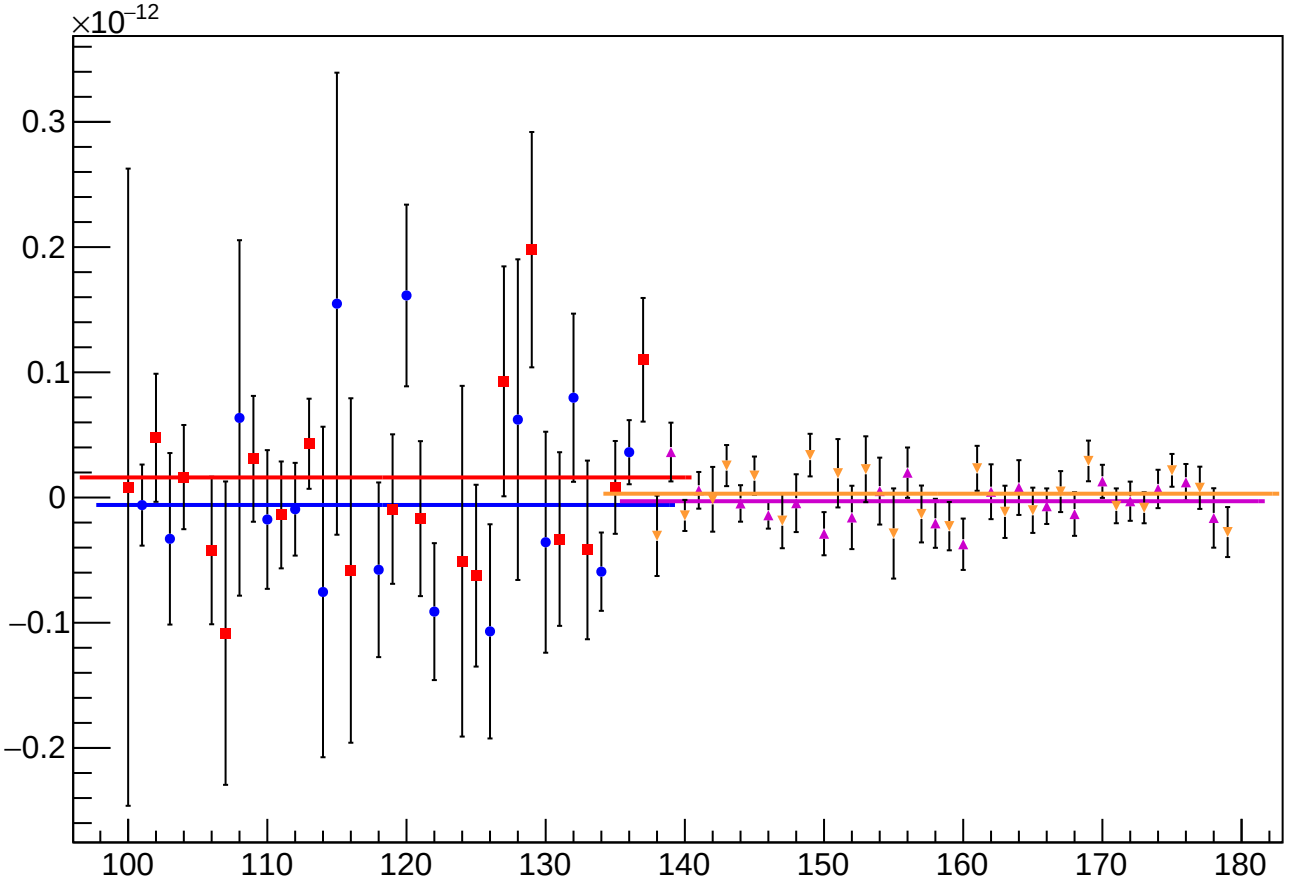
Right Out: 22.571+/-0.007 χ^2/NDF: 3140082.3/18

Left In: 46.216+/-0.009 χ^2/NDF:1301084.6/19

+ sign 35.357+/-0.006 χ^2/NDF: 9216012.8/37

All: 33.524+/-0.004 χ^2/NDF: 18450570.2/76

- sign 31.926+/-0.005 χ^2/NDF: 9045694.1/38



Right In: -0.000+/-0.000 χ^2/NDF: 18.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:24.8/21

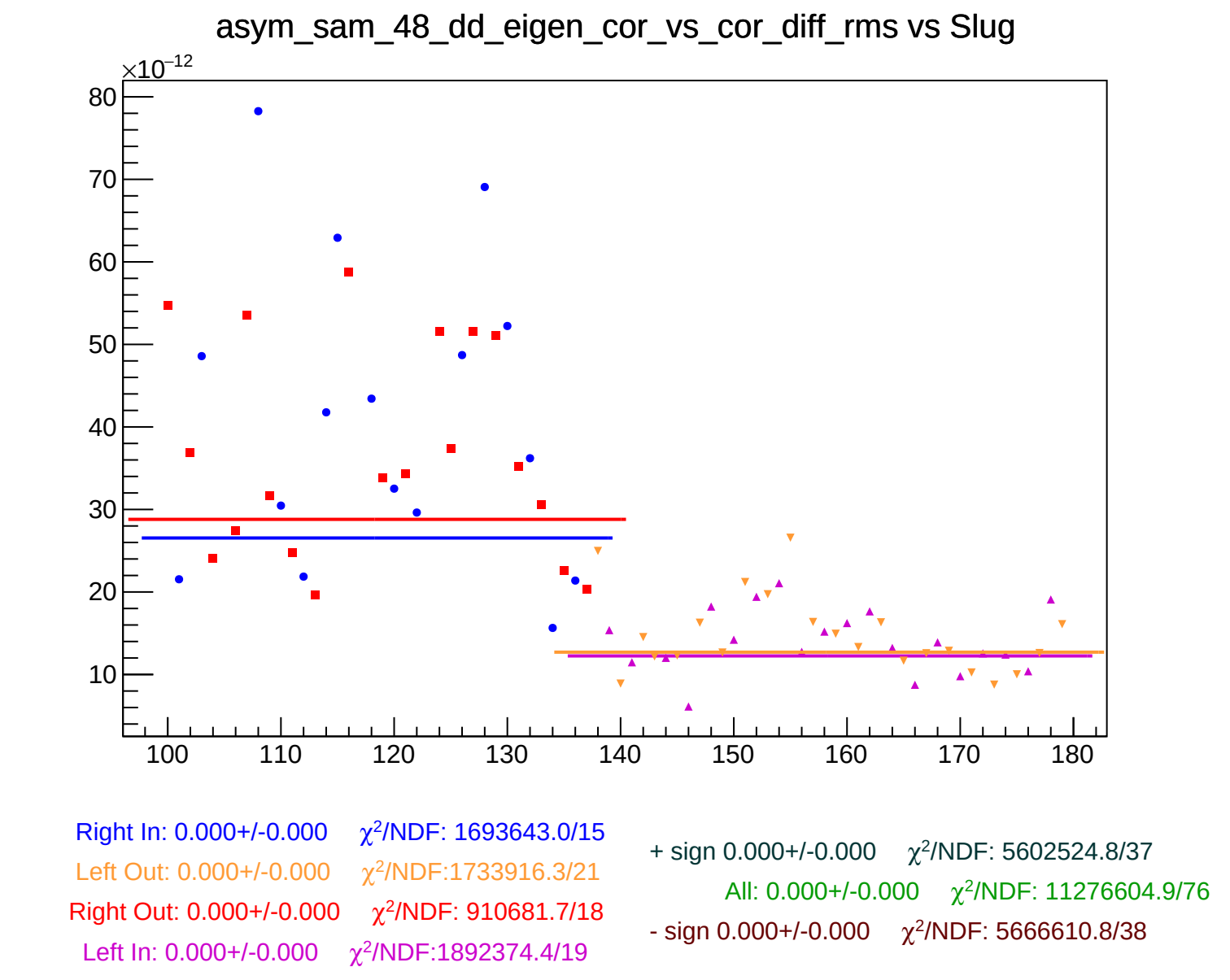
Right Out: 0.000+/-0.000 χ^2/NDF: 15.0/18

Left In: -0.000+/-0.000 χ^2/NDF:15.8/19

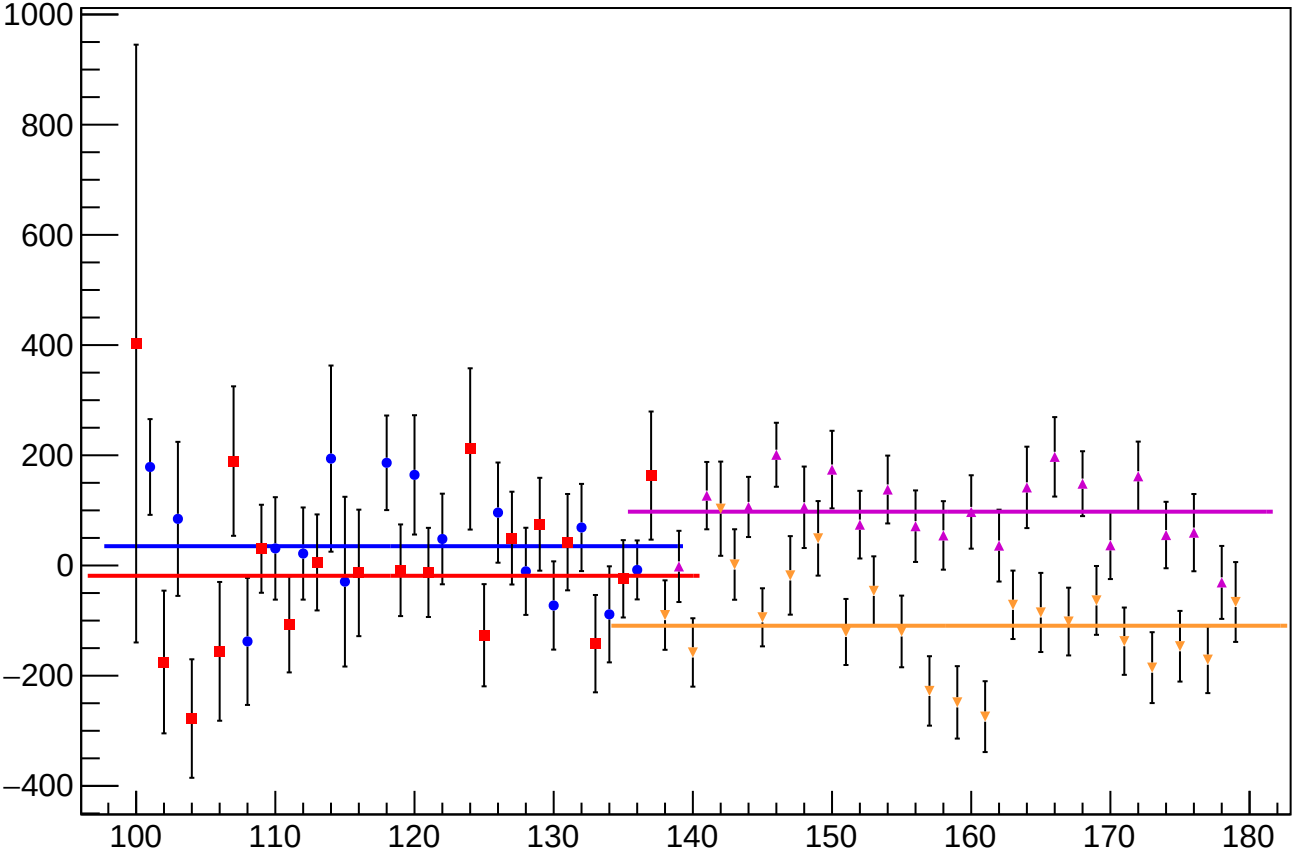
+ sign 0.000+/-0.000 χ^2/NDF: 44.0/37

All: 0.000+/-0.000 χ^2/NDF: 77.3/76

- sign -0.000+/-0.000 χ^2/NDF: 32.7/38


asym_sam_48_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
80
70
60
50
40
30
20
10
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1693643.0/15
Left Out: 0.000+/-0.000 χ²/NDF:1733916.3/21
Right Out: 0.000+/-0.000 χ²/NDF: 910681.7/18
Left In: 0.000+/-0.000 χ²/NDF:1892374.4/19
+ sign 0.000+/-0.000 χ²/NDF: 5602524.8/37
All: 0.000+/-0.000 χ²/NDF: 11276604.9/76
- sign 0.000+/-0.000 χ²/NDF: 5666610.8/38

reg_asym_sam_13_57_dd_mean vs Slug



Right In: 35.018+/-22.134 χ^2/NDF: 16.2/15

Left Out: -109.325+/-13.671 χ^2/NDF:37.1/21

Right Out: -18.690+/-22.137 χ^2/NDF: 23.5/18

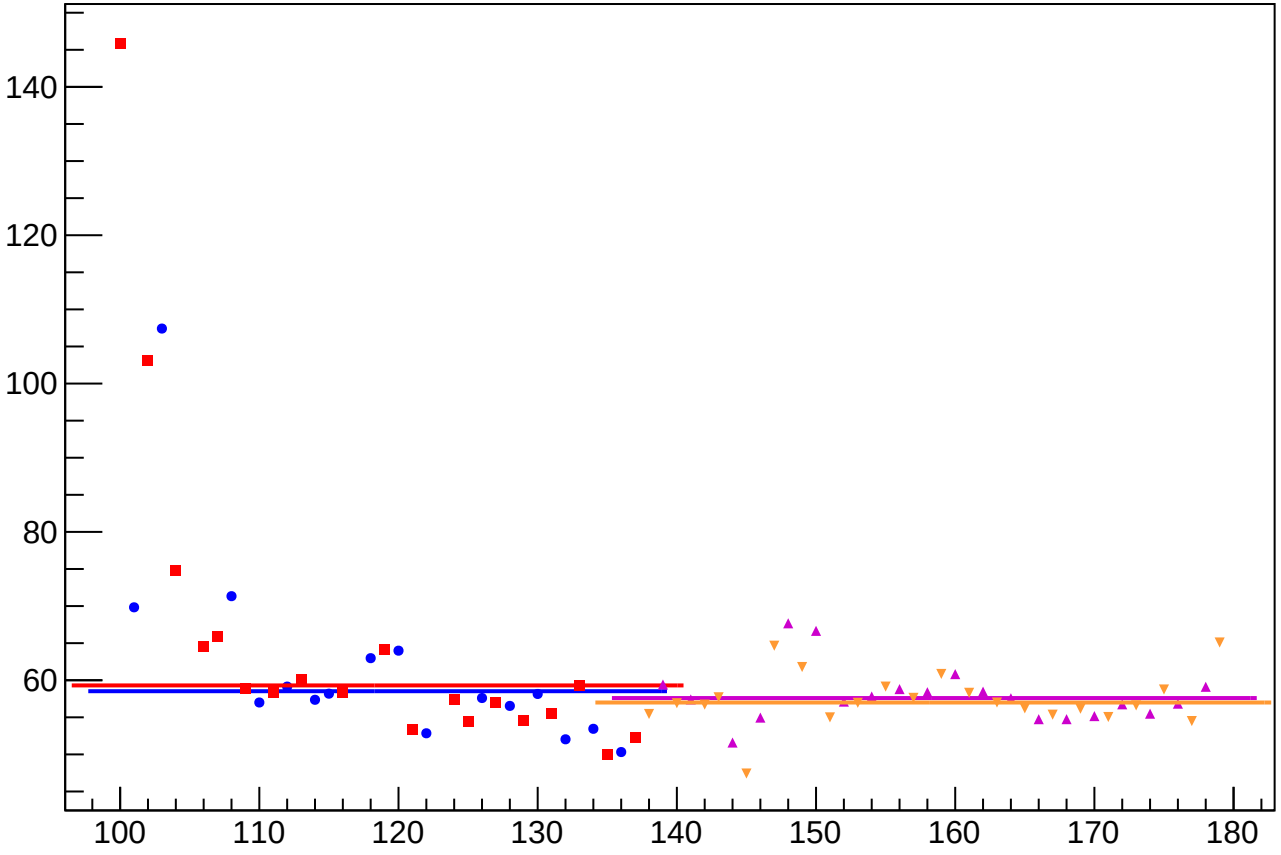
Left In: 97.639+/-14.289 χ^2/NDF:18.7/19

+ sign -69.468+/-11.631 χ^2/NDF: 84.1/37

All: -5.124+/-8.354 χ^2/NDF: 209.0/76

- sign 63.426+/-12.005 χ^2/NDF: 61.7/38

reg_asym_sam_13_57_dd_rms vs Slug



Right In: 58.522+/-0.016 χ^2/NDF: 392742.4/15

Left Out: 56.997+/-0.010 χ^2/NDF:146867.3/21

Right Out: 59.301+/-0.016 χ^2/NDF: 406611.5/18

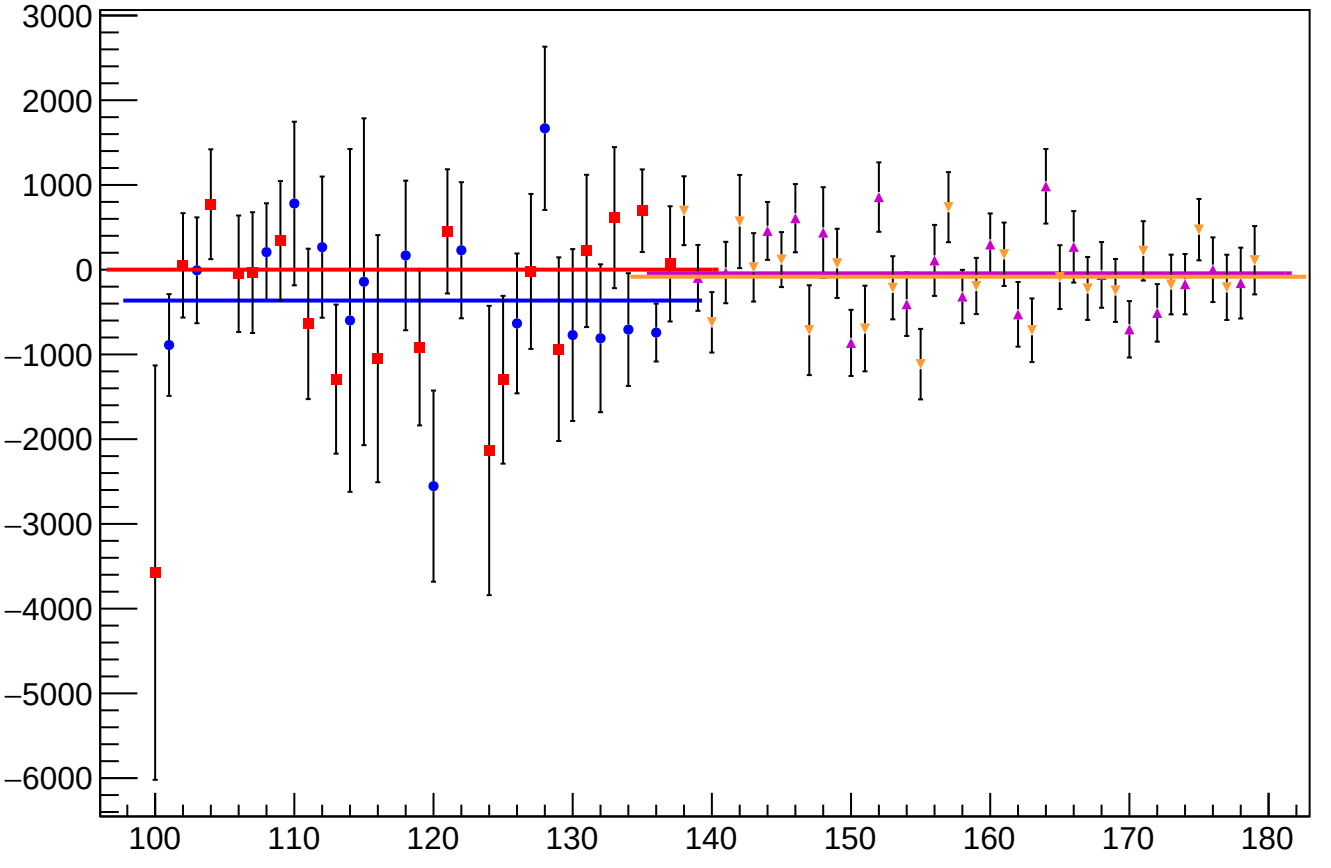
Left In: 57.599+/-0.010 χ^2/NDF:121361.5/19

+ sign 57.418+/-0.008 χ^2/NDF: 546475.7/37

All: 57.748+/-0.006 χ^2/NDF: 1086121.6/76

- sign 58.099+/-0.008 χ^2/NDF: 536325.7/38

asym_sam_13_57_dd_reg_correction_mean vs Slug



Right In: -364.076+/-180.601 χ^2/NDF: 15.2/15

Left Out: -83.041+/-82.549 χ^2/NDF:28.3/21

Right Out: 0.570+/-183.085 χ^2/NDF: 15.1/18

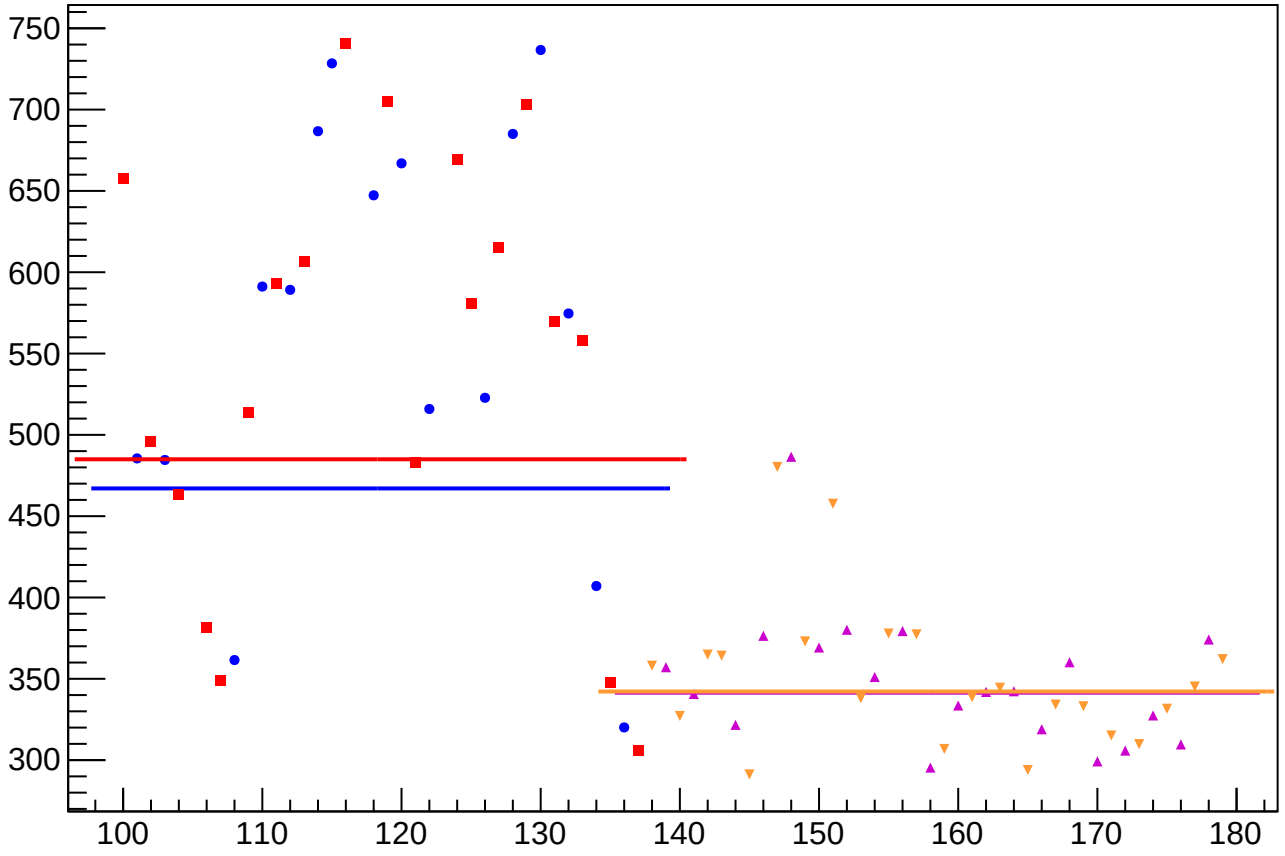
Left In: -43.155+/-85.167 χ^2/NDF:31.2/19

+ sign -131.608+/-75.078 χ^2/NDF: 45.6/37

All: -84.846+/-53.830 χ^2/NDF: 92.7/76

- sign -35.377+/-77.221 χ^2/NDF: 46.3/38

asym_sam_13_57_dd_reg_correction_rms vs Slug



Right In: 467.068+/-0.128 χ^2/NDF: 1030279.0/15

Left Out: 342.187+/-0.058 χ^2/NDF:439582.2/21

Right Out: 484.982+/-0.129 χ^2/NDF: 874102.2/18

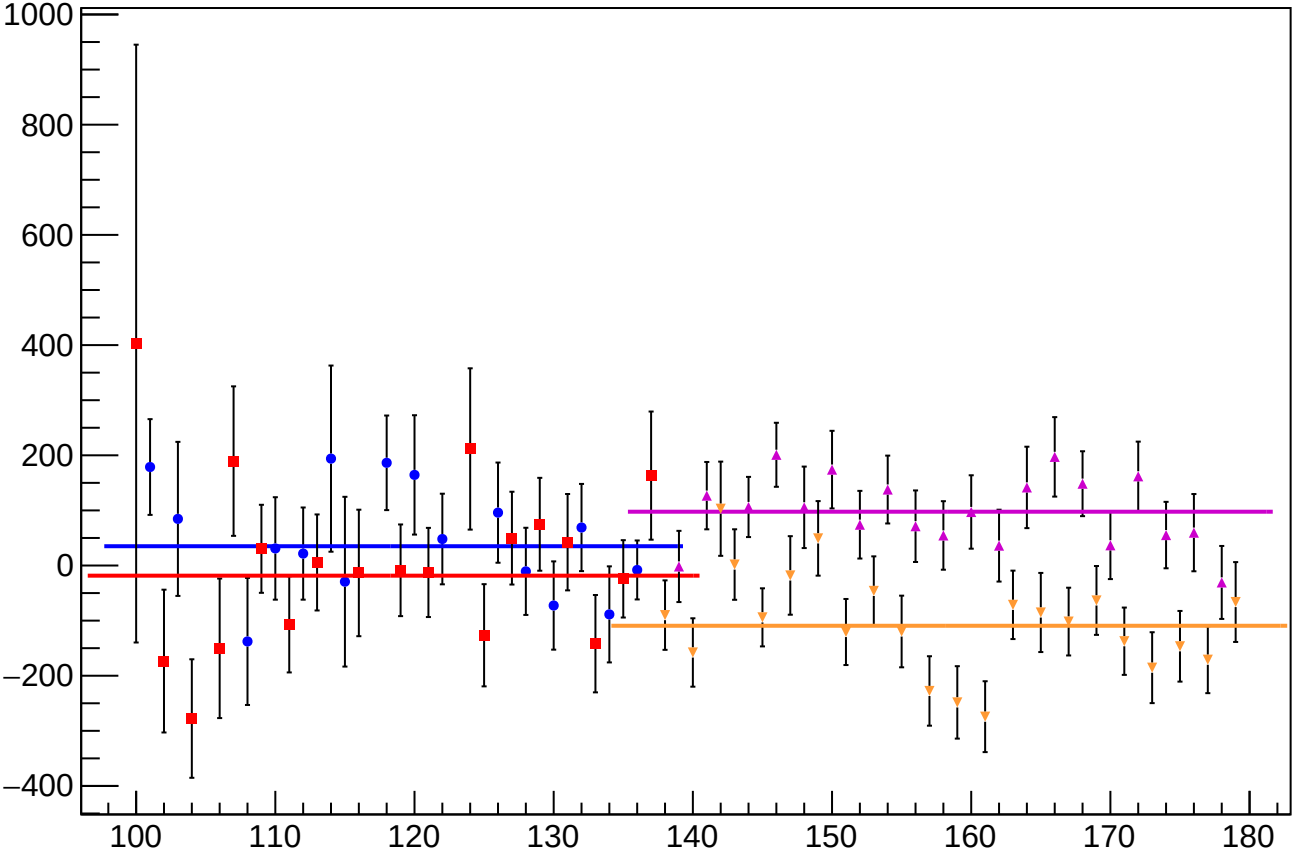
Left In: 341.454+/-0.060 χ^2/NDF:355253.7/19

\+ sign 363.768+/-0.053 χ^2/NDF: 2260880.7/37

All: 365.332+/-0.038 χ^2/NDF: 4502484.0/76

\- sign 366.987+/-0.055 χ^2/NDF: 2239817.0/38

cor_asym_sam_13_57_dd_mean vs Slug



Right In: 35.017+/-22.134 χ^2/NDF: 16.2/15

Left Out: -109.324+/-13.671 χ^2/NDF:37.1/21

Right Out: -18.417+/-22.141 χ^2/NDF: 23.4/18

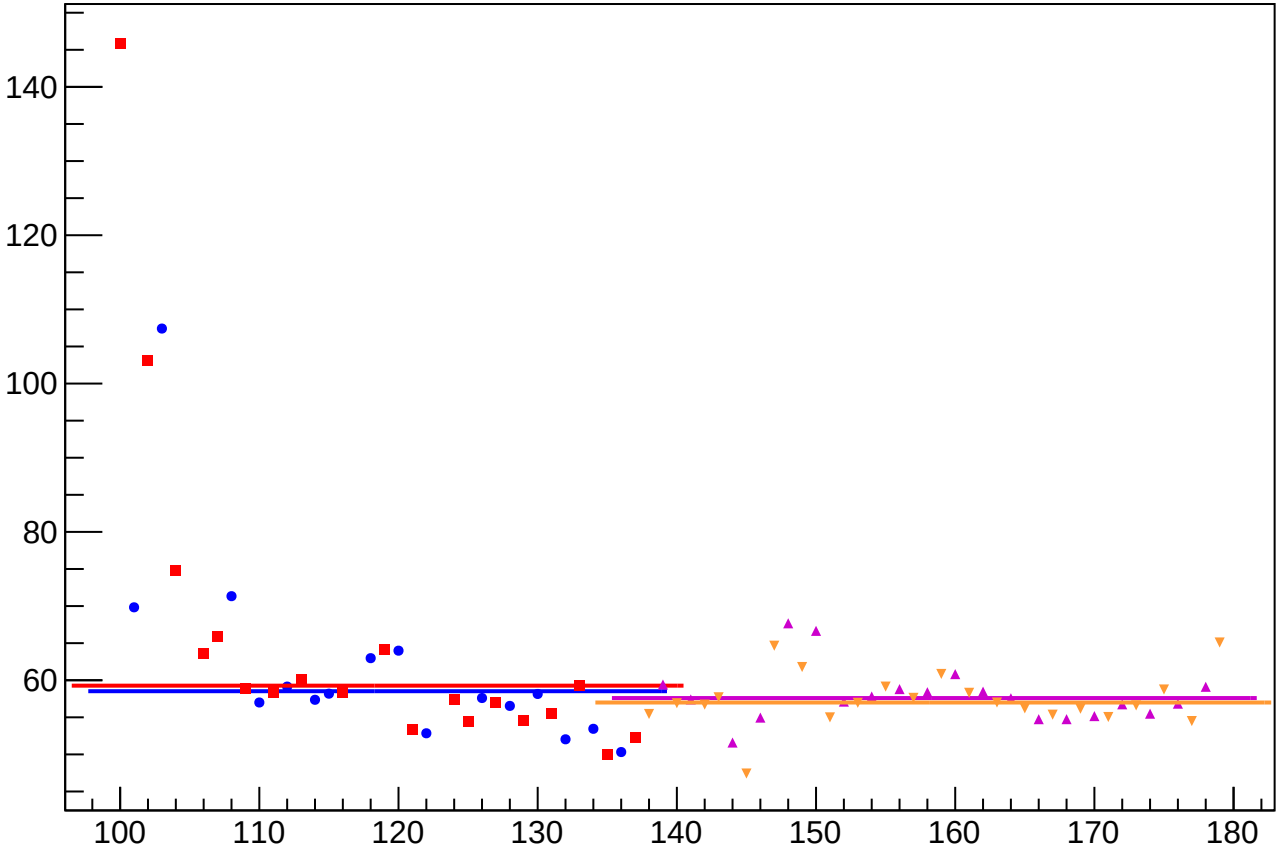
Left In: 97.641+/-14.289 χ^2/NDF:18.7/19

+ sign -69.467+/-11.631 χ^2/NDF: 84.1/37

All: -5.083+/-8.354 χ^2/NDF: 208.8/76

- sign 63.516+/-12.006 χ^2/NDF: 61.4/38

cor_asym_sam_13_57_dd_rms vs Slug



Right In: 58.522+/-0.016 χ^2/NDF: 392744.5/15

Left Out: 56.997+/-0.010 χ^2/NDF:146867.3/21

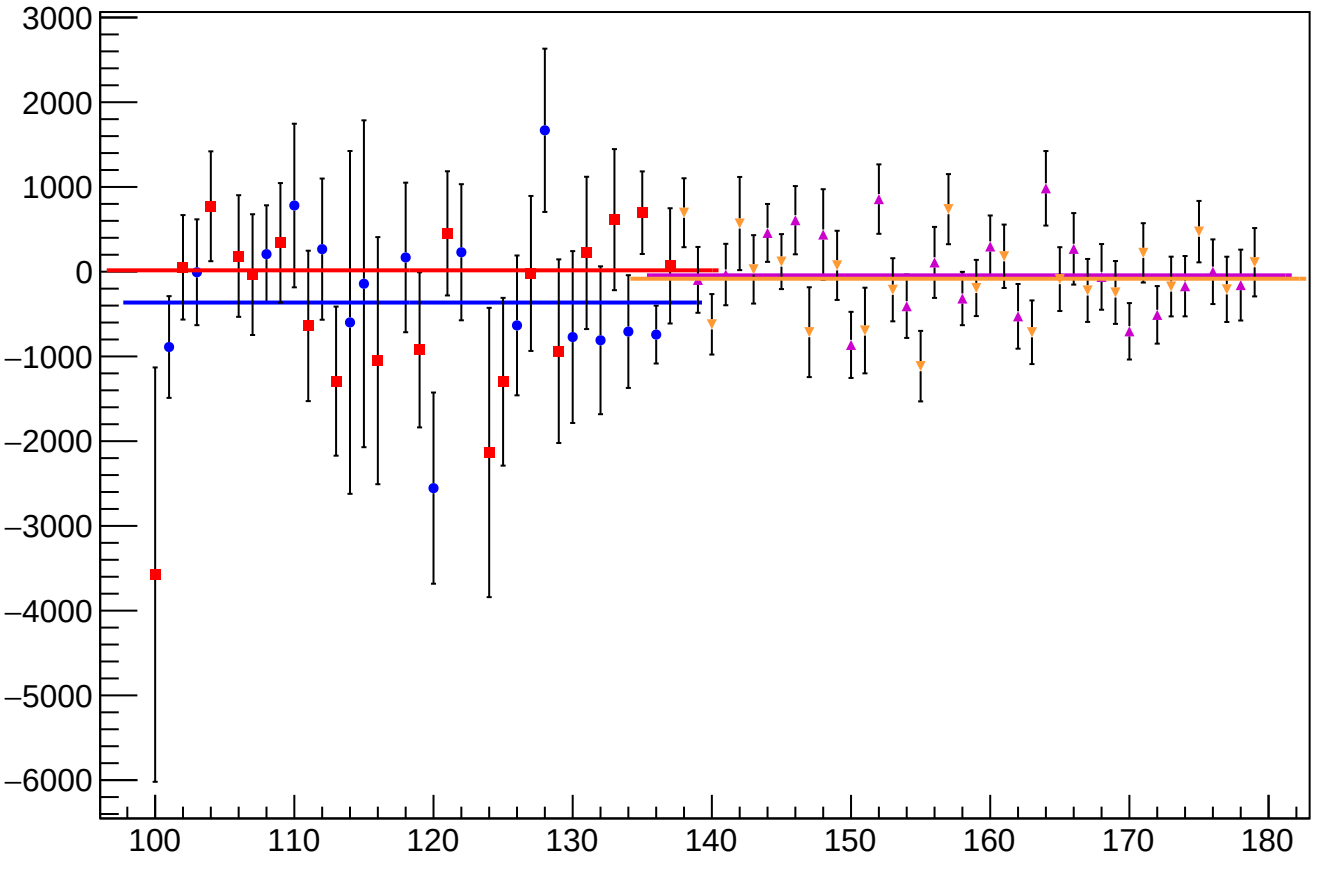
Right Out: 59.269+/-0.016 χ^2/NDF: 405616.3/18

Left In: 57.599+/-0.010 χ^2/NDF:121361.5/19

+ sign 57.418+/-0.008 χ^2/NDF: 546477.8/37

All: 57.743+/-0.006 χ^2/NDF: 1084725.1/76

- sign 58.090+/-0.008 χ^2/NDF: 535019.1/38



Right In: -364.040+/-180.602 χ^2/NDF: 15.2/15

Left Out: -83.043+/-82.549 χ^2/NDF:28.3/21

Right Out: 16.087+/-183.650 χ^2/NDF: 15.1/18

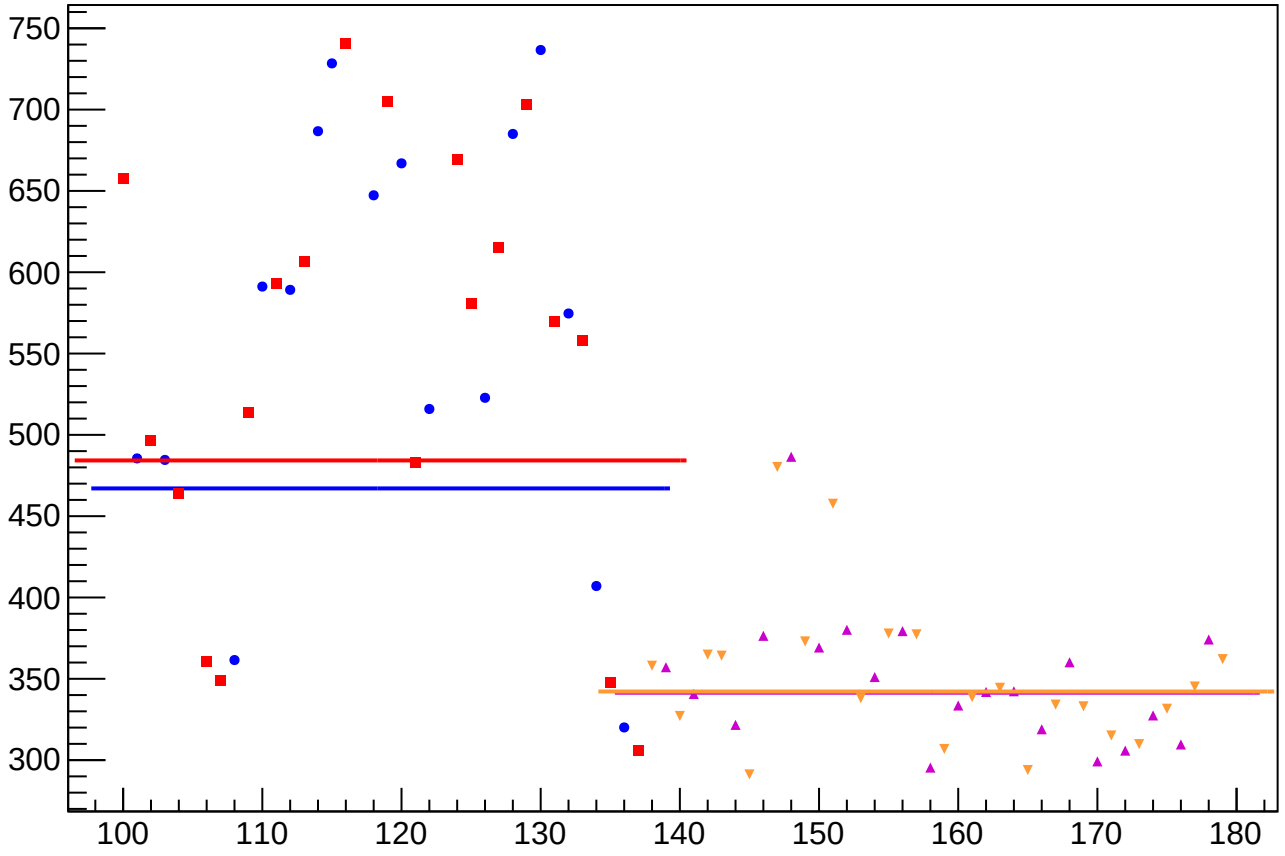
Left In: -43.154+/-85.167 χ^2/NDF:31.2/19

+ sign -131.603+/-75.078 χ^2/NDF: 45.6/37

All: -83.555+/-53.844 χ^2/NDF: 92.8/76

- sign -32.669+/-77.263 χ^2/NDF: 46.4/38

asym_sam_13_57_dd_cor_correction_rms vs Slug



Right In: 467.071+/-0.128 χ^2/NDF: 1030281.3/15

Left Out: 342.187+/-0.058 χ^2/NDF:439581.9/21

Right Out: 484.274+/-0.130 χ^2/NDF: 888797.2/18

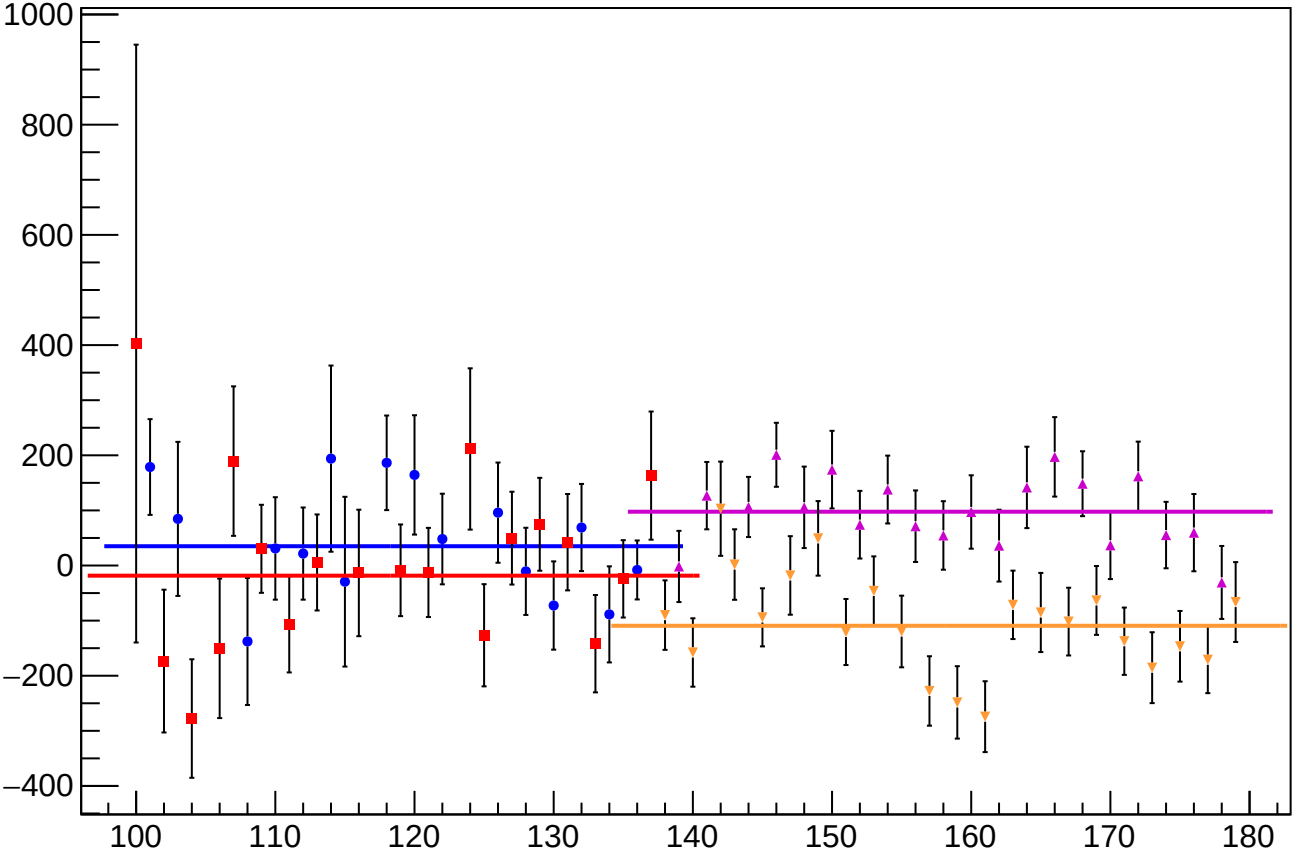
Left In: 341.454+/-0.060 χ^2/NDF:355257.6/19

\+ sign 363.769+/-0.053 χ^2/NDF: 2260906.9/37

All: 365.208+/-0.038 χ^2/NDF: 4501932.5/76

\- sign 366.733+/-0.055 χ^2/NDF: 2239511.9/38

eigen_cor_asym_sam_13_57_dd_mean vs Slug



Right In: 35.017+/-22.134 χ^2/NDF: 16.2/15

Left Out: -109.324+/-13.671 χ^2/NDF:37.1/21

Right Out: -18.417+/-22.141 χ^2/NDF: 23.4/18

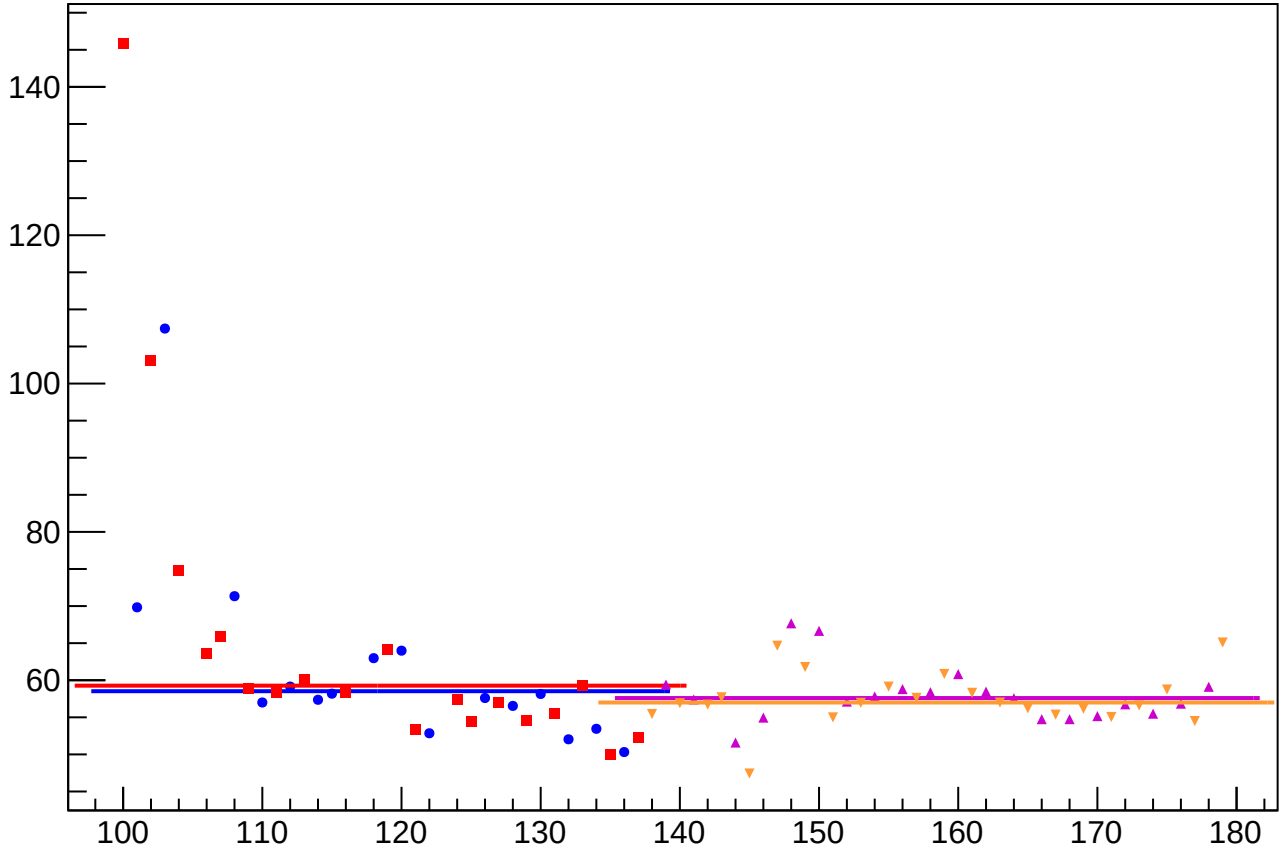
Left In: 97.641+/-14.289 χ^2/NDF:18.7/19

+ sign -69.467+/-11.631 χ^2/NDF: 84.1/37

All: -5.083+/-8.354 χ^2/NDF: 208.8/76

- sign 63.516+/-12.006 χ^2/NDF: 61.4/38

eigen_cor_asym_sam_13_57_dd_rms vs Slug



Right In: 58.522+/-0.016 χ^2/NDF: 392744.5/15

Left Out: 56.997+/-0.010 χ^2/NDF:146867.3/21

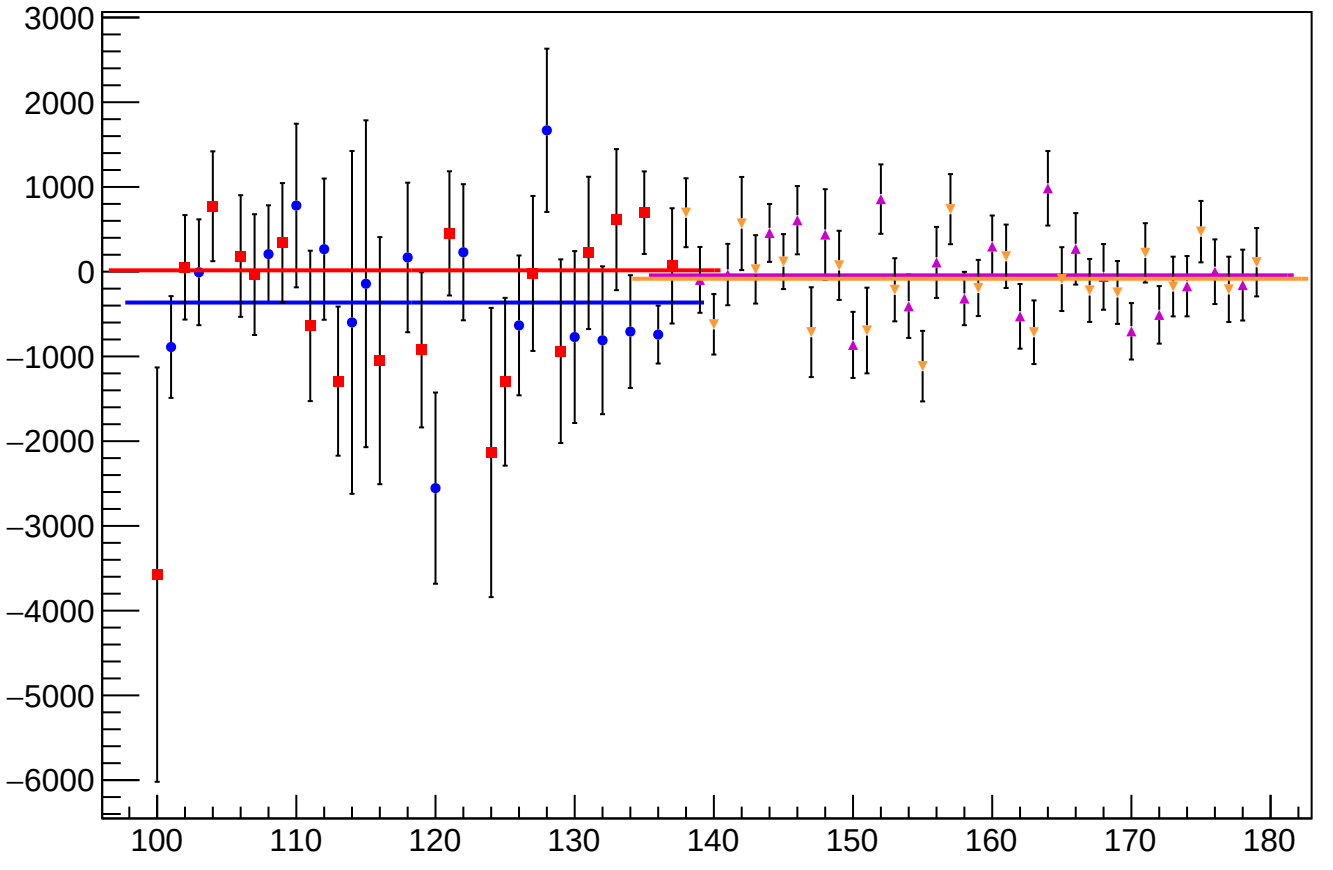
Right Out: 59.269+/-0.016 χ^2/NDF: 405616.3/18

Left In: 57.599+/-0.010 χ^2/NDF:121361.5/19

\+ sign 57.418+/-0.008 χ^2/NDF: 546477.8/37

All: 57.743+/-0.006 χ^2/NDF: 1084725.1/76

\- sign 58.090+/-0.008 χ^2/NDF: 535019.1/38



Right In: -364.040+/-180.602 χ^2/NDF: 15.2/15

Left Out: -83.043+/-82.549 χ^2/NDF:28.3/21

Right Out: 16.087+/-183.650 χ^2/NDF: 15.1/18

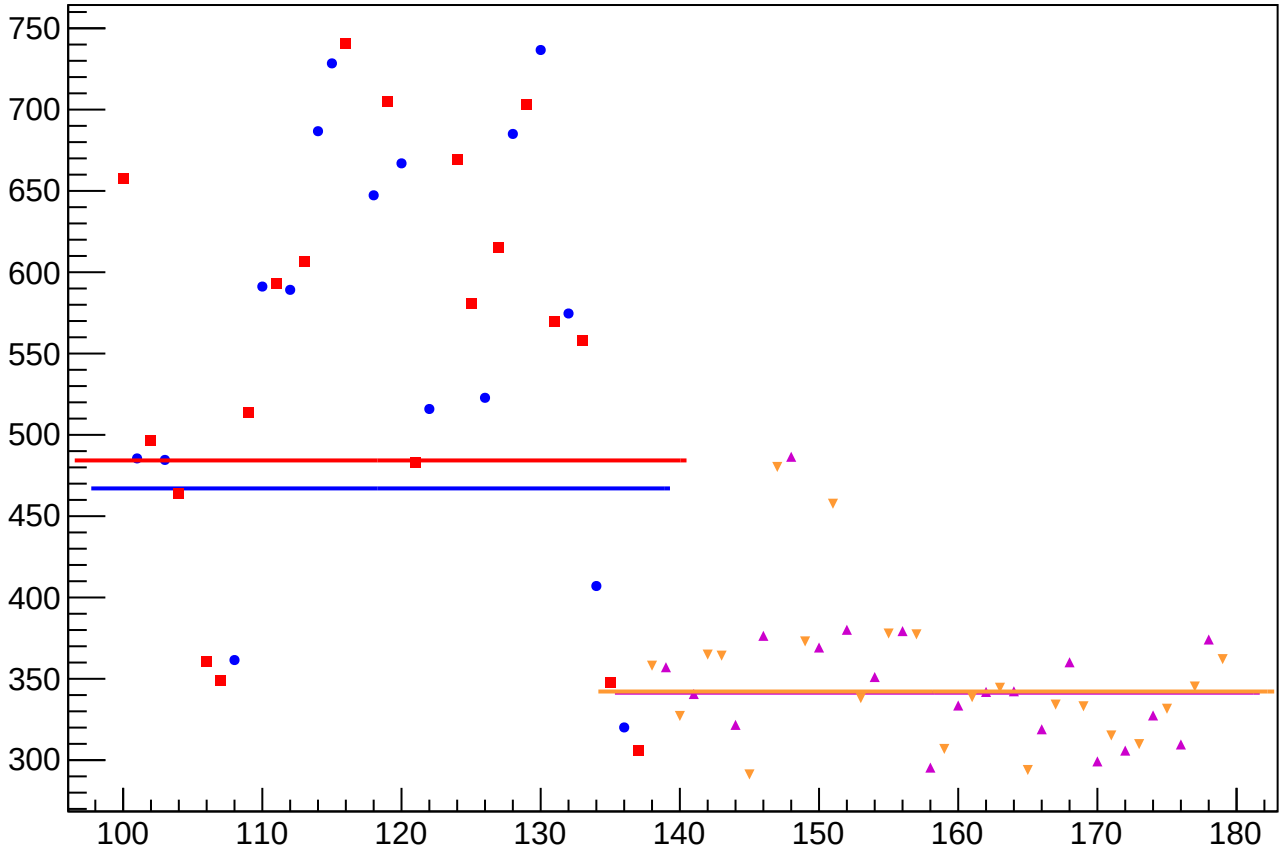
Left In: -43.154+/-85.167 χ^2/NDF:31.2/19

+ sign -131.603+/-75.078 χ^2/NDF: 45.6/37

All: -83.555+/-53.844 χ^2/NDF: 92.8/76

- sign -32.669+/-77.263 χ^2/NDF: 46.4/38

asym_sam_13_57_dd_eigen_cor_correction_rms vs Slug



Right In: 467.071+/-0.128 χ^2/NDF: 1030281.3/15

Left Out: 342.187+/-0.058 χ^2/NDF:439581.9/21

Right Out: 484.274+/-0.130 χ^2/NDF: 888797.2/18

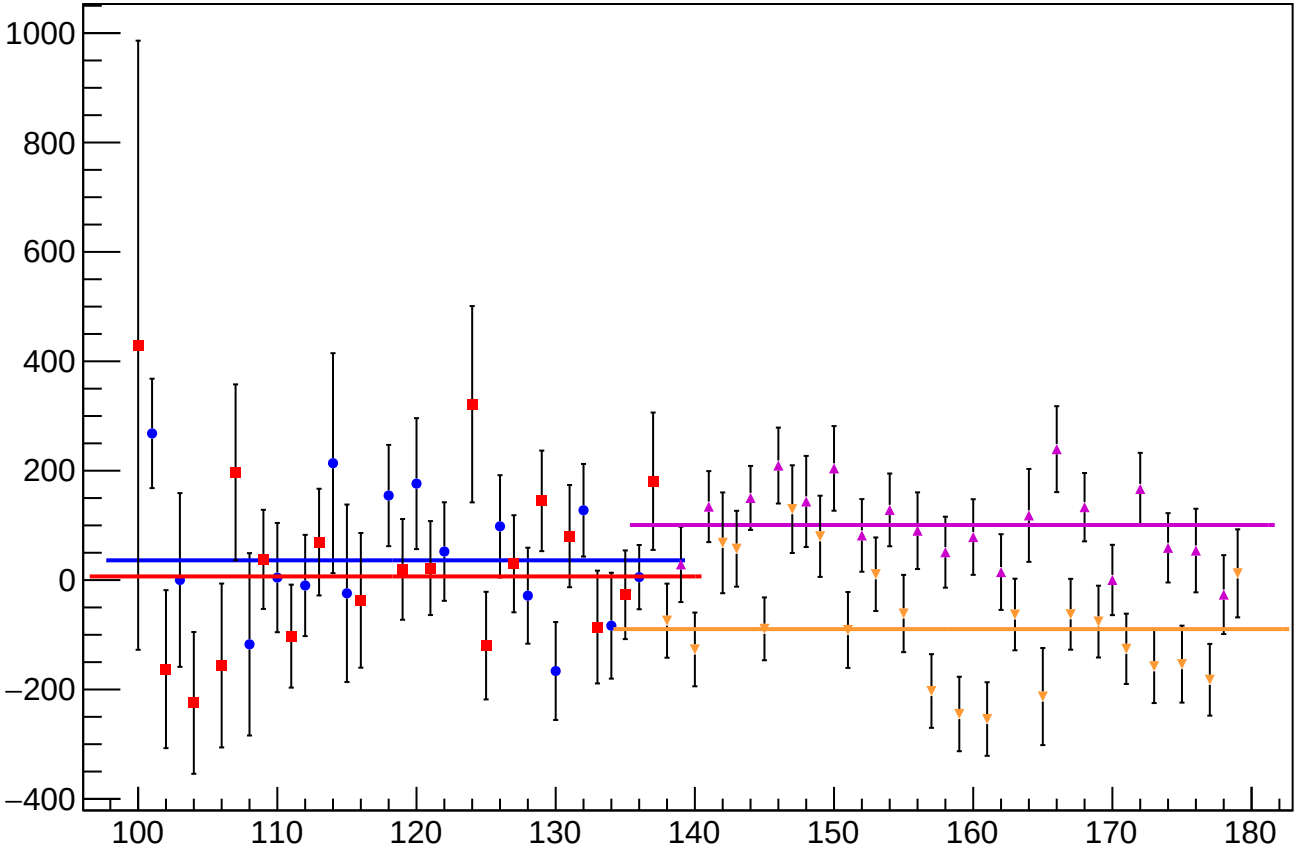
Left In: 341.454+/-0.060 χ^2/NDF:355257.6/19

\+ sign 363.769+/-0.053 χ^2/NDF: 2260906.9/37

All: 365.208+/-0.038 χ^2/NDF: 4501932.5/76

\- sign 366.733+/-0.055 χ^2/NDF: 2239511.9/38

dit_asym_sam_13_57_dd_mean vs Slug



Right In: 36.157+/-24.471 χ^2/NDF: 19.6/15

Left Out: -89.609+/-14.786 χ^2/NDF:45.0/21

Right Out: 6.734+/-24.565 χ^2/NDF: 20.3/18

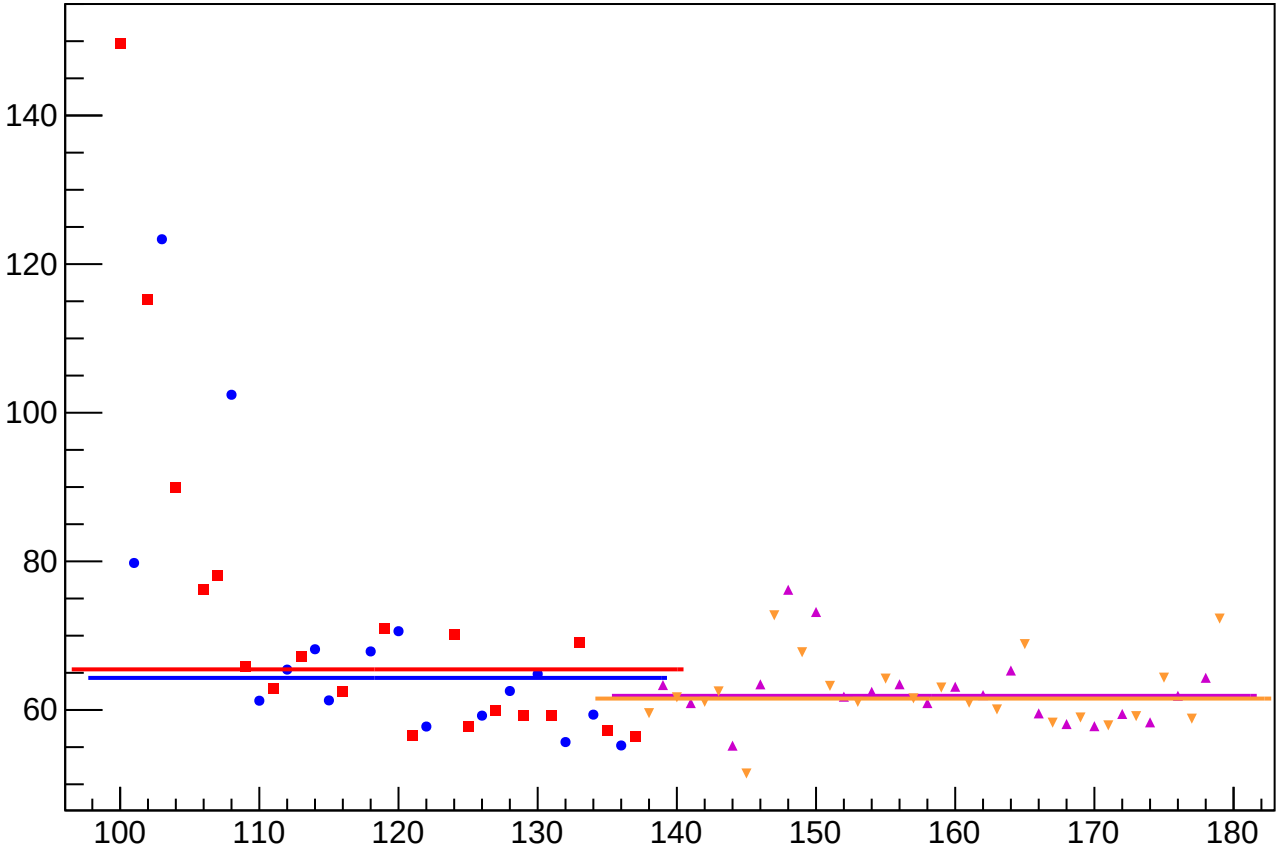
Left In: 100.743+/-15.407 χ^2/NDF:19.9/19

+ sign -55.974+/-12.655 χ^2/NDF: 84.0/37

All: 7.103+/-9.086 χ^2/NDF: 186.0/76

- sign 74.202+/-13.052 χ^2/NDF: 50.8/38

dit_asym_sam_13_57_dd_rms vs Slug



Right In: 64.316+/-0.017 χ^2/NDF: 532065.0/15

Left Out: 61.535+/-0.010 χ^2/NDF:195994.7/21

Right Out: 65.466+/-0.017 χ^2/NDF: 482361.0/18

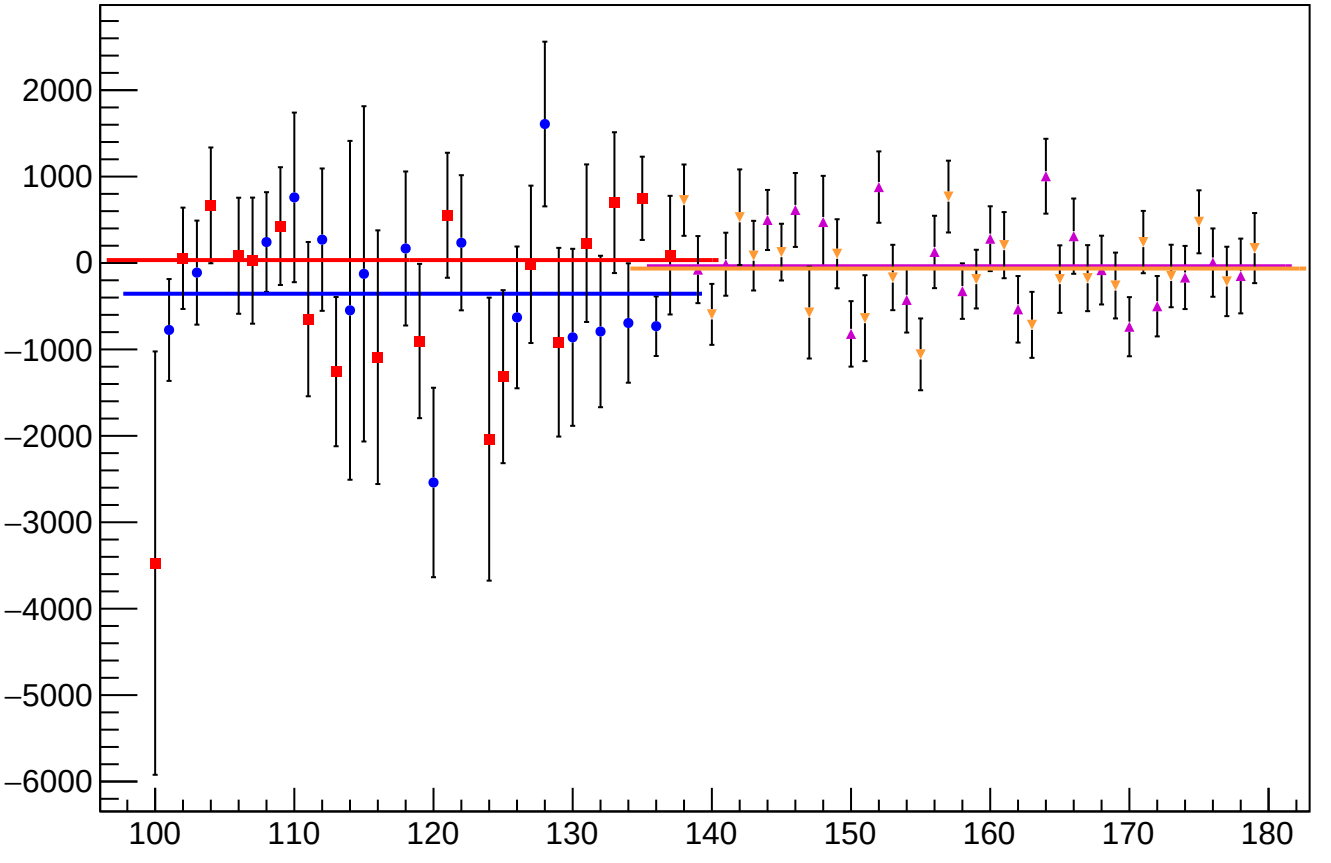
Left In: 61.902+/-0.011 χ^2/NDF:163942.9/19

+ sign 62.279+/-0.009 χ^2/NDF: 746989.5/37

All: 62.584+/-0.006 χ^2/NDF: 1425907.9/76

- sign 62.908+/-0.009 χ^2/NDF: 676520.3/38

asym_sam_13_57_dd_dit_correction_mean vs Slug



Right In: -355.529+/-180.335 χ^2/NDF: 14.8/15

Left Out: -64.206+/-83.670 χ^2/NDF:27.2/21

Right Out: 33.786+/-181.561 χ^2/NDF: 15.4/18

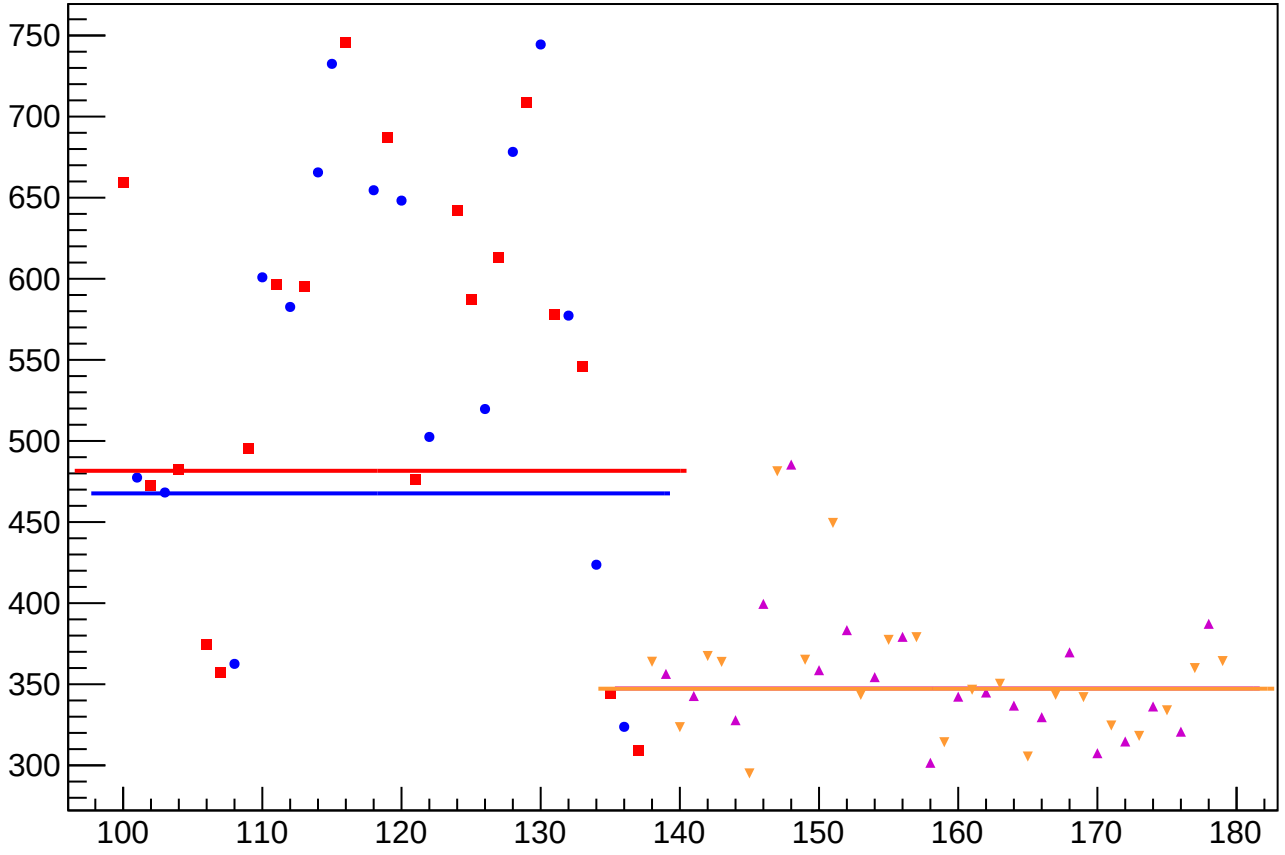
Left In: -37.595+/-86.592 χ^2/NDF:31.8/19

+ sign -115.810+/-75.899 χ^2/NDF: 44.2/37

All: -71.430+/-54.450 χ^2/NDF: 92.2/76

- sign -24.367+/-78.158 χ^2/NDF: 47.3/38

asym_sam_13_57_dd_dit_correction_rms vs Slug



Right In: 467.674+/-0.128 χ^2/NDF: 985943.7/15

Left Out: 347.253+/-0.059 χ^2/NDF:378742.1/21

Right Out: 481.599+/-0.128 χ^2/NDF: 854281.1/18

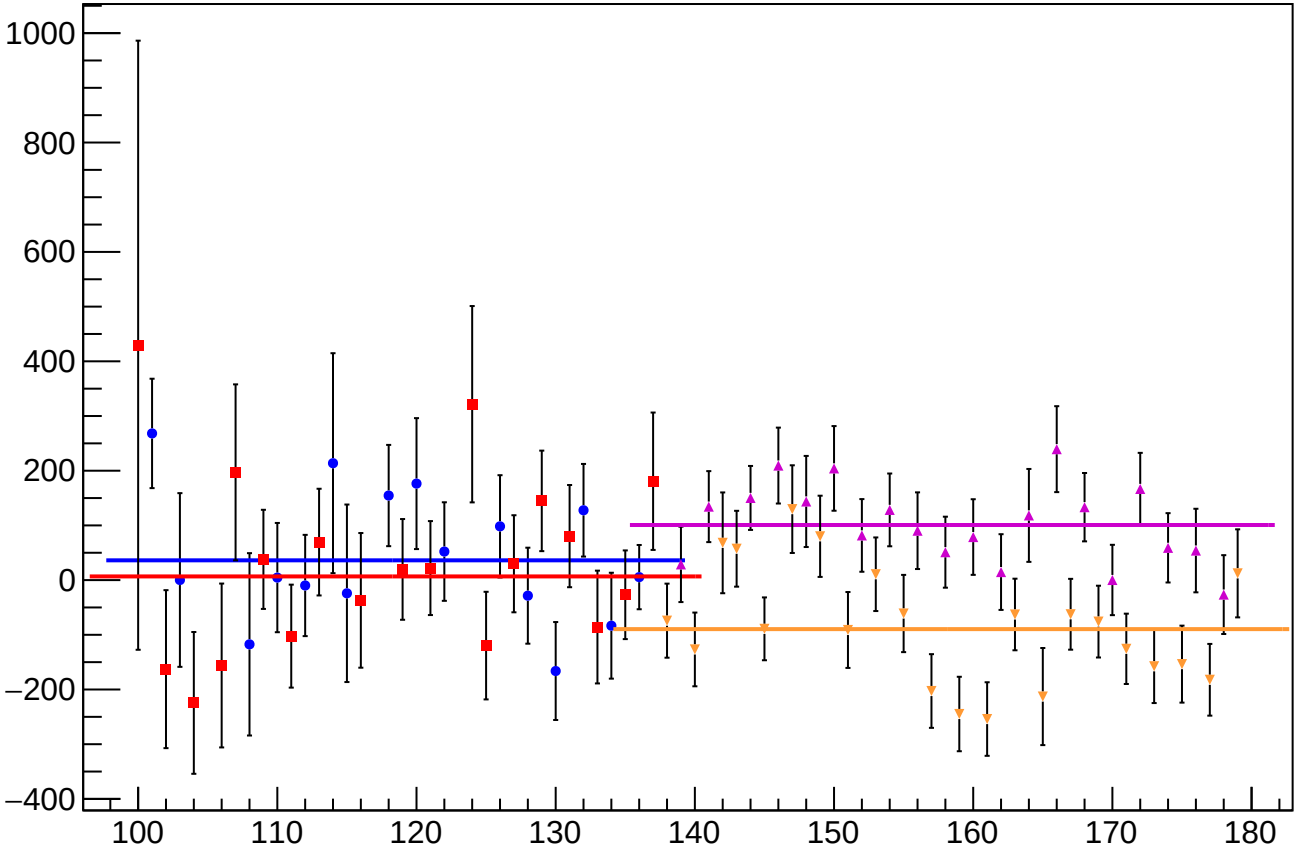
Left In: 347.388+/-0.061 χ^2/NDF:324712.5/19

+ sign 368.584+/-0.054 χ^2/NDF: 2098531.9/37

All: 370.368+/-0.039 χ^2/NDF: 4170143.8/76

- sign 372.259+/-0.055 χ^2/NDF: 2069336.7/38

eigen_dit_asym_sam_13_57_dd_mean vs Slug



Right In: 36.157+/-24.471 χ^2/NDF: 19.6/15

Left Out: -89.609+/-14.786 χ^2/NDF:45.0/21

Right Out: 6.735+/-24.565 χ^2/NDF: 20.3/18

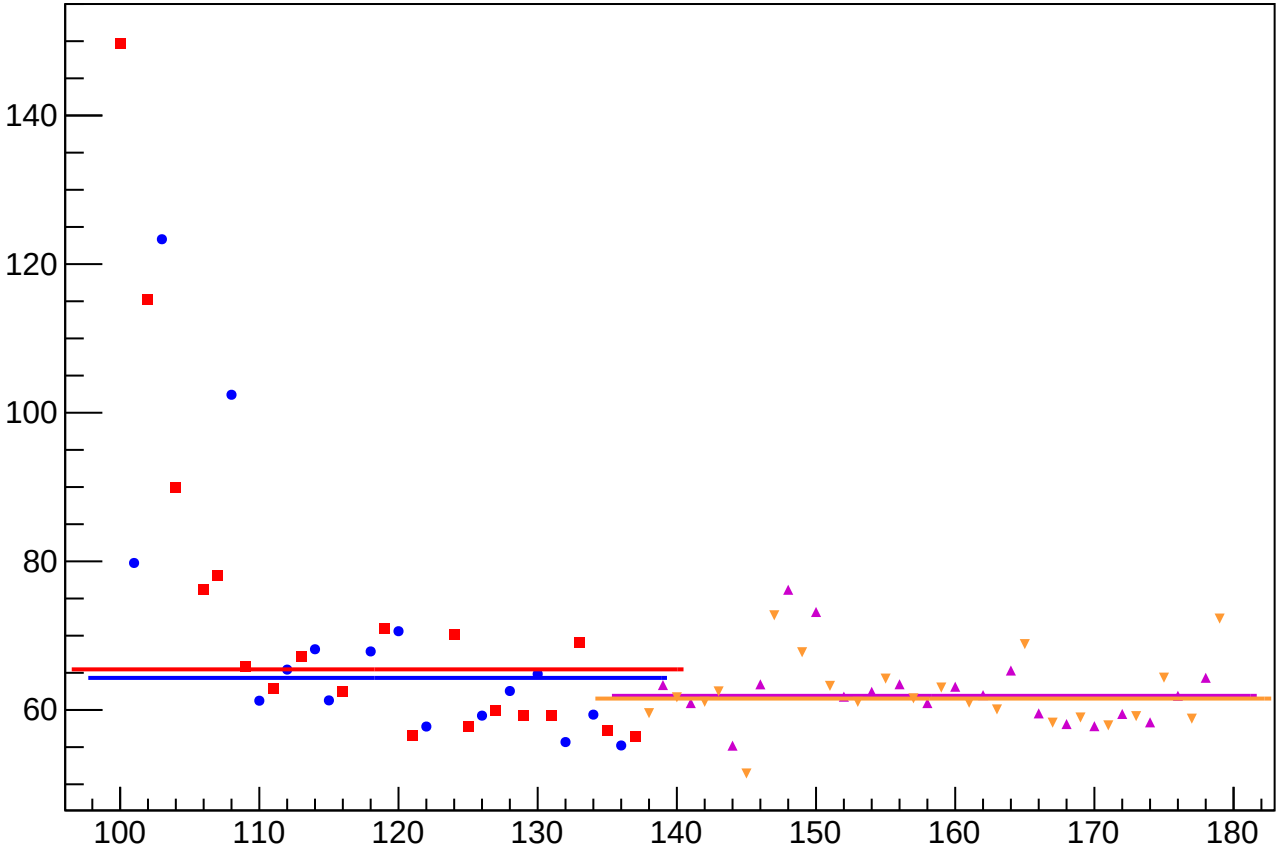
Left In: 100.743+/-15.407 χ^2/NDF:19.9/19

+ sign -55.974+/-12.655 χ^2/NDF: 84.0/37

All: 7.103+/-9.086 χ^2/NDF: 186.0/76

- sign 74.202+/-13.052 χ^2/NDF: 50.8/38

eigen_dit_asym_sam_13_57_dd_rms vs Slug



Right In: 64.316+/-0.017 χ^2/NDF: 532073.4/15

Left Out: 61.535+/-0.010 χ^2/NDF:196001.1/21

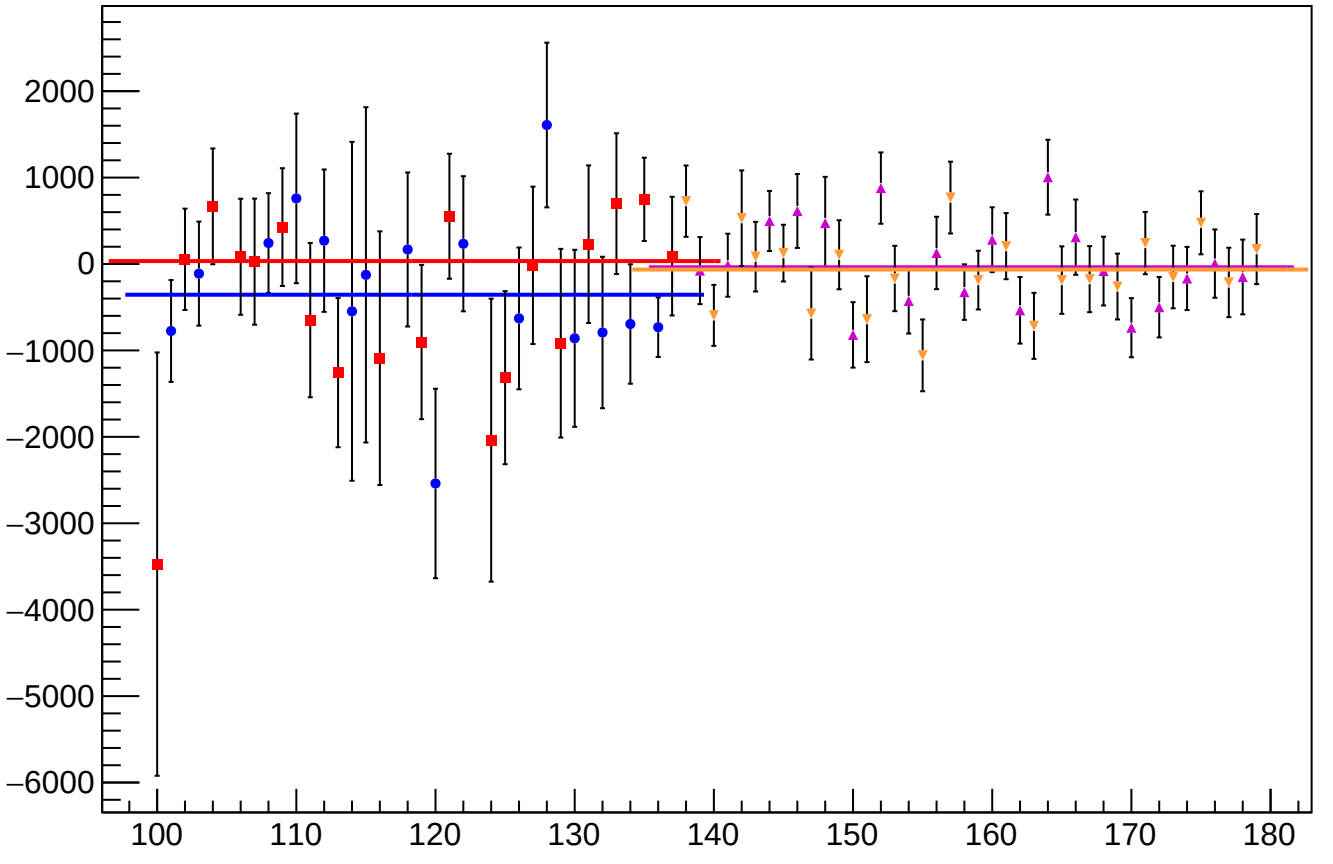
Right Out: 65.466+/-0.017 χ^2/NDF: 482367.1/18

Left In: 61.902+/-0.011 χ^2/NDF:163945.7/19

+ sign 62.279+/-0.009 χ^2/NDF: 747002.5/37

All: 62.584+/-0.006 χ^2/NDF: 1425927.6/76

- sign 62.908+/-0.009 χ^2/NDF: 676527.0/38



Right In: -355.529+/-180.334 χ^2/NDF: 14.8/15

Left Out: -64.206+/-83.670 χ^2/NDF:27.2/21

Right Out: 33.787+/-181.560 χ^2/NDF: 15.4/18

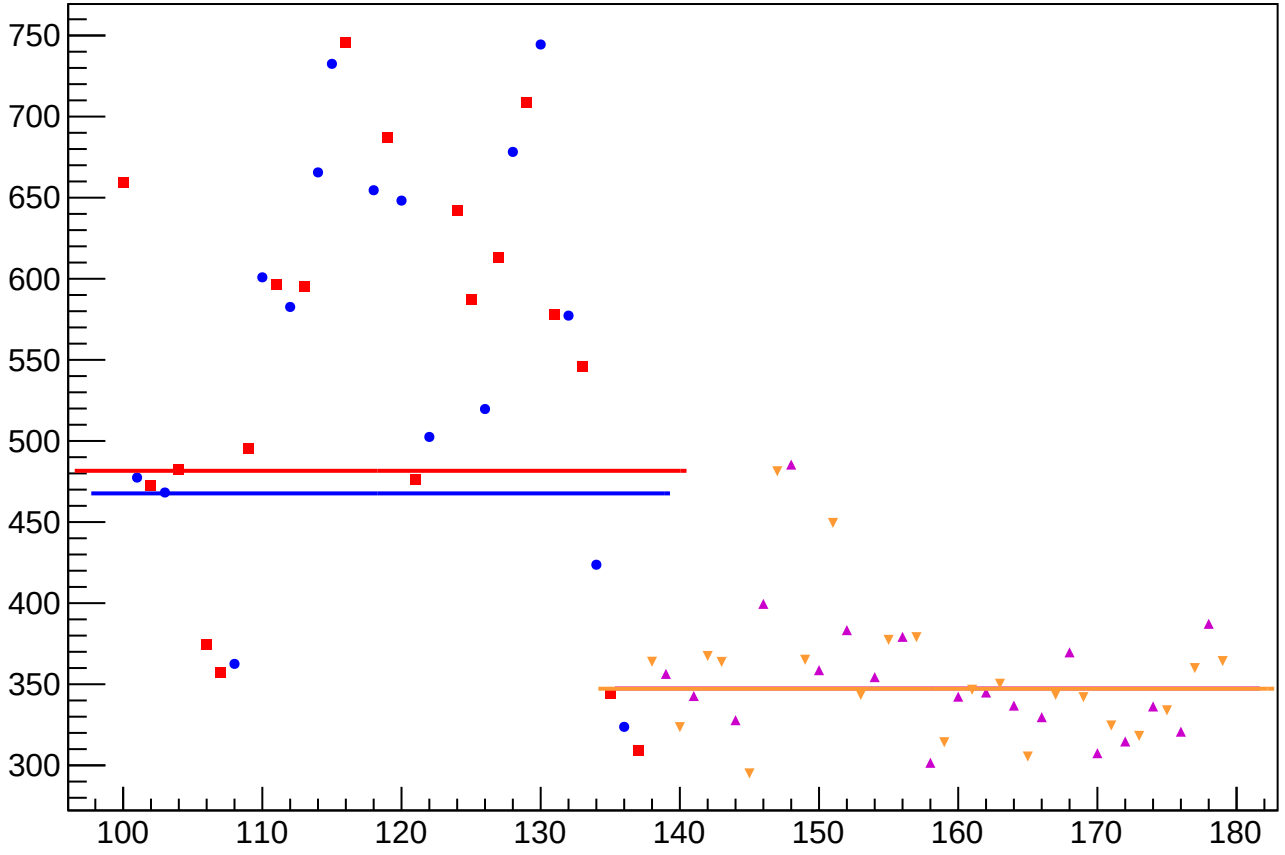
Left In: -37.595+/-86.592 χ^2/NDF:31.8/19

+ sign -115.810+/-75.899 χ^2/NDF: 44.2/37

All: -71.430+/-54.450 χ^2/NDF: 92.2/76

- sign -24.367+/-78.158 χ^2/NDF: 47.3/38

asym_sam_13_57_dd_eigen_dit_correction_rms vs Slug



Right In: 467.674+/-0.128 χ^2/NDF: 985945.4/15

Left Out: 347.253+/-0.059 χ^2/NDF:378741.6/21

Right Out: 481.599+/-0.128 χ^2/NDF: 854281.0/18

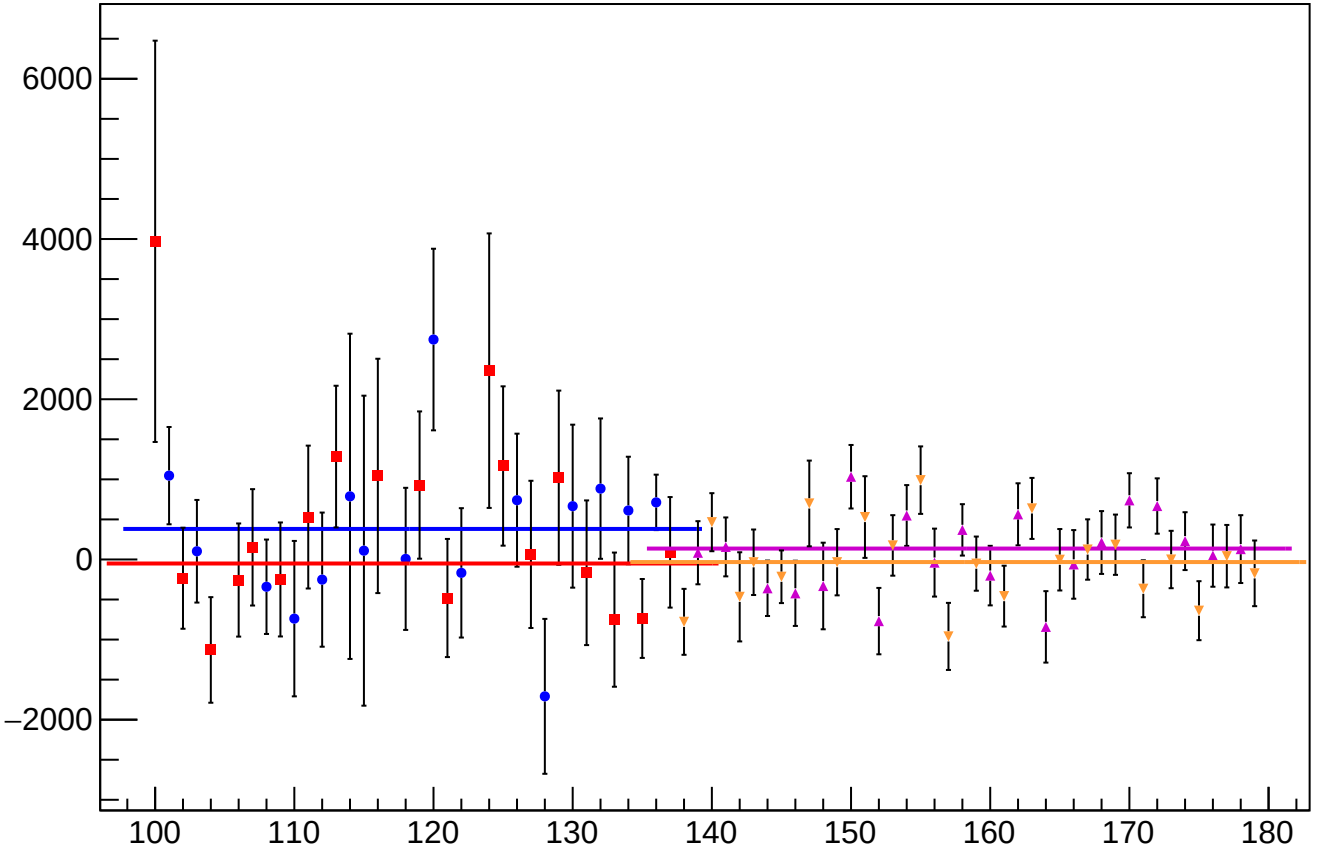
Left In: 347.388+/-0.061 χ^2/NDF:324714.0/19

+ sign 368.584+/-0.054 χ^2/NDF: 2098525.8/37

All: 370.368+/-0.039 χ^2/NDF: 4170129.4/76

- sign 372.259+/-0.055 χ^2/NDF: 2069328.3/38

asym_sam_13_57_dd_mean vs Slug



Right In: 381.086+/-182.655 χ^2/NDF: 16.1/15

Left Out: -32.363+/-83.733 χ^2/NDF:28.9/21

Right Out: -50.392+/-185.262 χ^2/NDF: 17.5/18

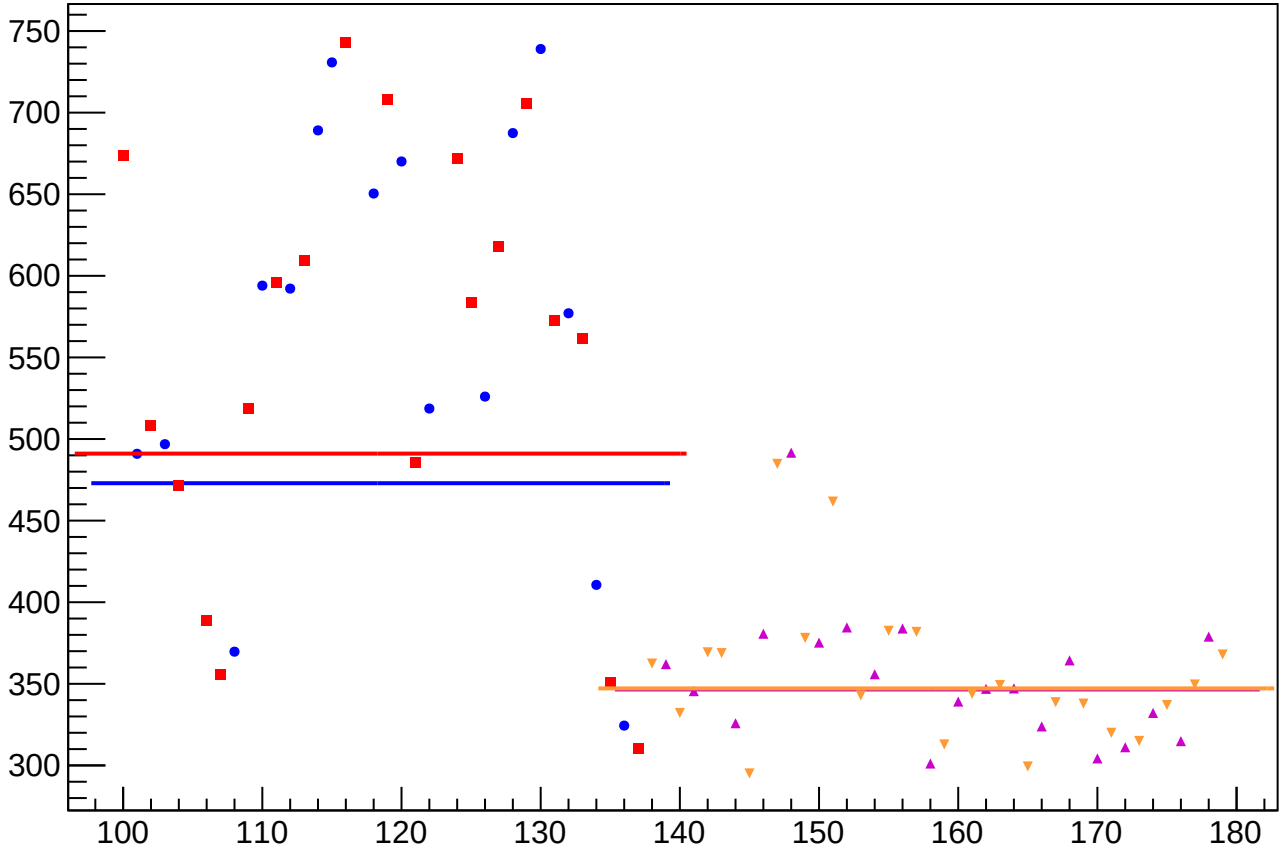
Left In: 136.000+/-86.410 χ^2/NDF:29.2/19

+ sign 39.435+/-76.116 χ^2/NDF: 49.3/37

All: 70.167+/-54.582 χ^2/NDF: 97.1/76

- sign 102.696+/-78.310 χ^2/NDF: 47.5/38

asym_sam_13_57_dd_rms vs Slug



Right In: 472.924+/-0.129 χ^2/NDF: 1000274.3/15

Left Out: 347.196+/-0.059 χ^2/NDF:426269.9/21

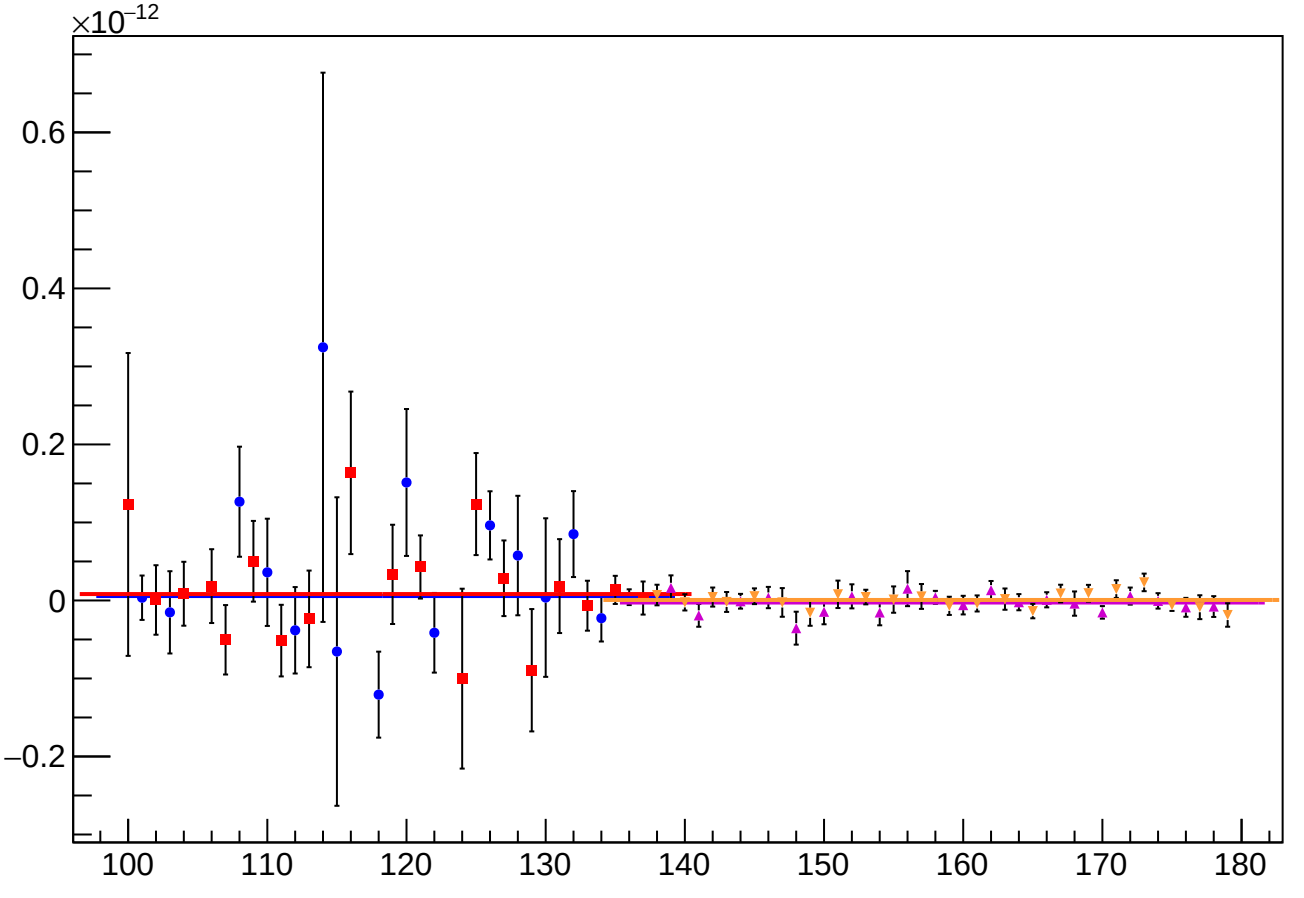
Right Out: 491.063+/-0.131 χ^2/NDF: 847493.6/18

Left In: 346.531+/-0.061 χ^2/NDF:343361.3/19

+ sign 369.030+/-0.054 χ^2/NDF: 2209596.1/37

All: 370.646+/-0.039 χ^2/NDF: 4402068.8/76

- sign 372.356+/-0.055 χ^2/NDF: 2190617.5/38



Right In: 0.000+/-0.000 χ^2/NDF: 21.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.6/21

Right Out: 0.000+/-0.000 χ^2/NDF: 14.0/18

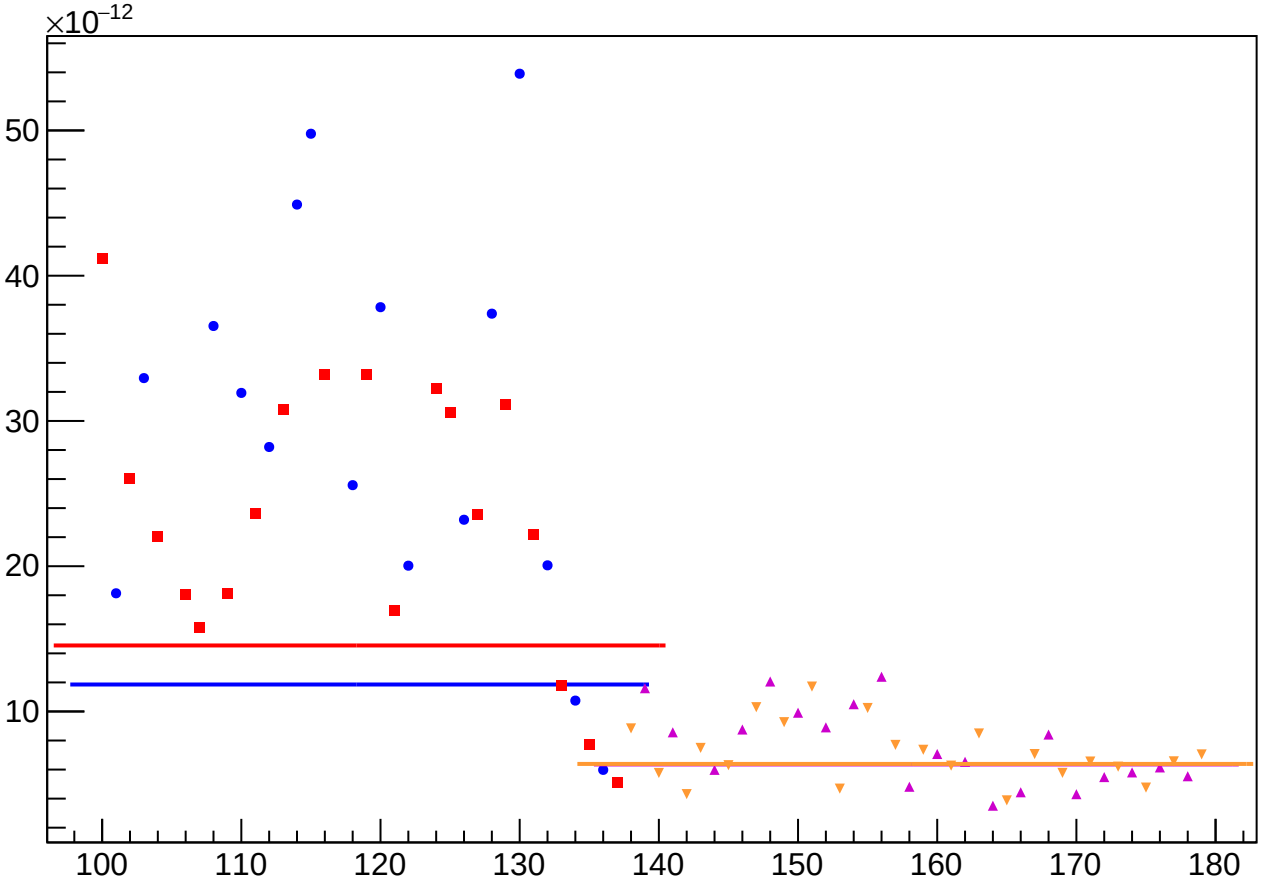
Left In: -0.000+/-0.000 χ^2/NDF:13.5/19

+ sign 0.000+/-0.000 χ^2/NDF: 36.1/37

All: -0.000+/-0.000 χ^2/NDF: 65.6/76

- sign -0.000+/-0.000 χ^2/NDF: 28.8/38

asym_sam_13_57_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2848478.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:991185.9/21

Right Out: 0.000+/-0.000 χ^2/NDF: 1769864.5/18

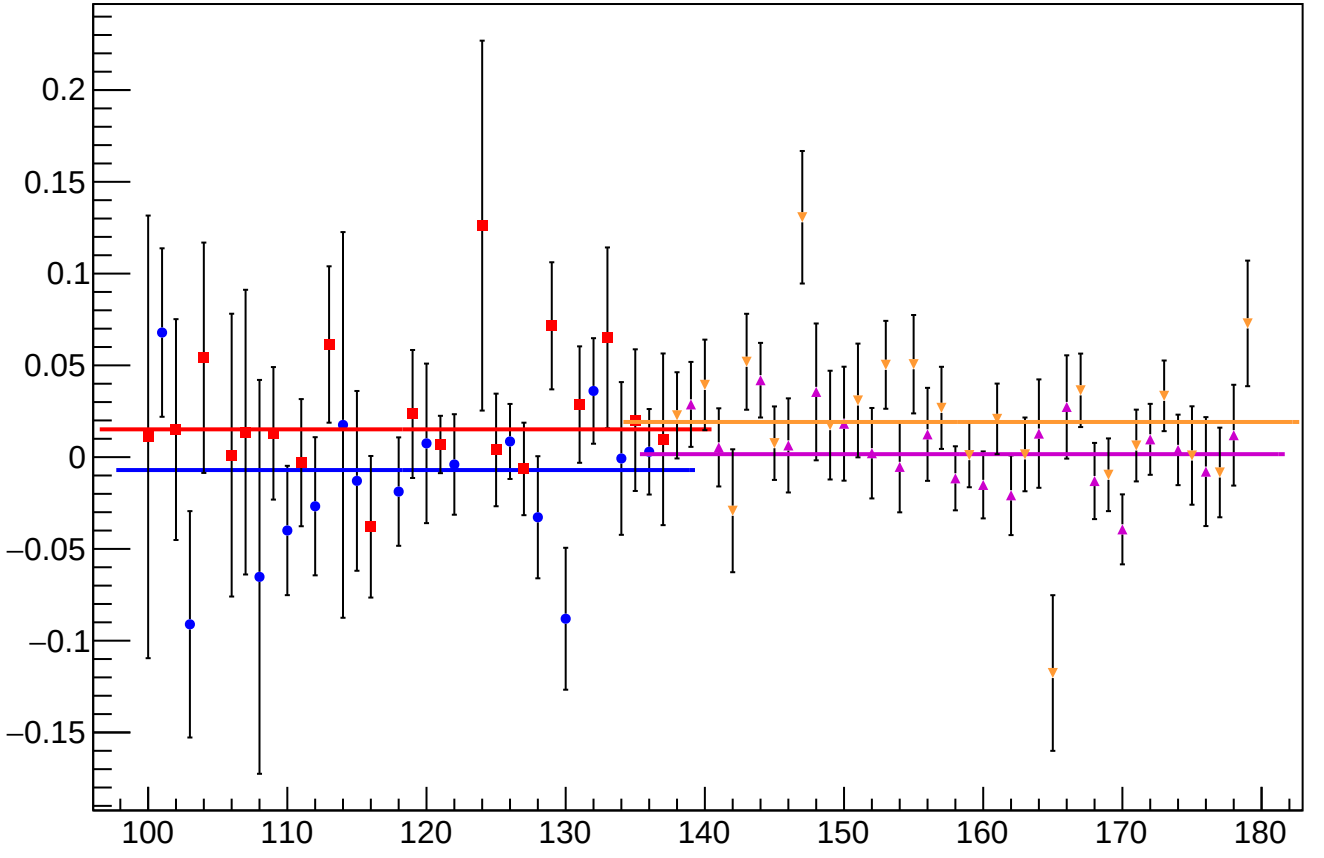
Left In: 0.000+/-0.000 χ^2/NDF:1391892.9/19

+ sign 0.000+/-0.000 χ^2/NDF: 4670615.1/37

All: 0.000+/-0.000 χ^2/NDF: 9270476.6/76

- sign 0.000+/-0.000 χ^2/NDF: 4597831.7/38

asym_sam_13_57_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.019+/-0.005 χ^2/NDF:37.8/21

Right Out: 0.015+/-0.008 χ^2/NDF: 10.1/18

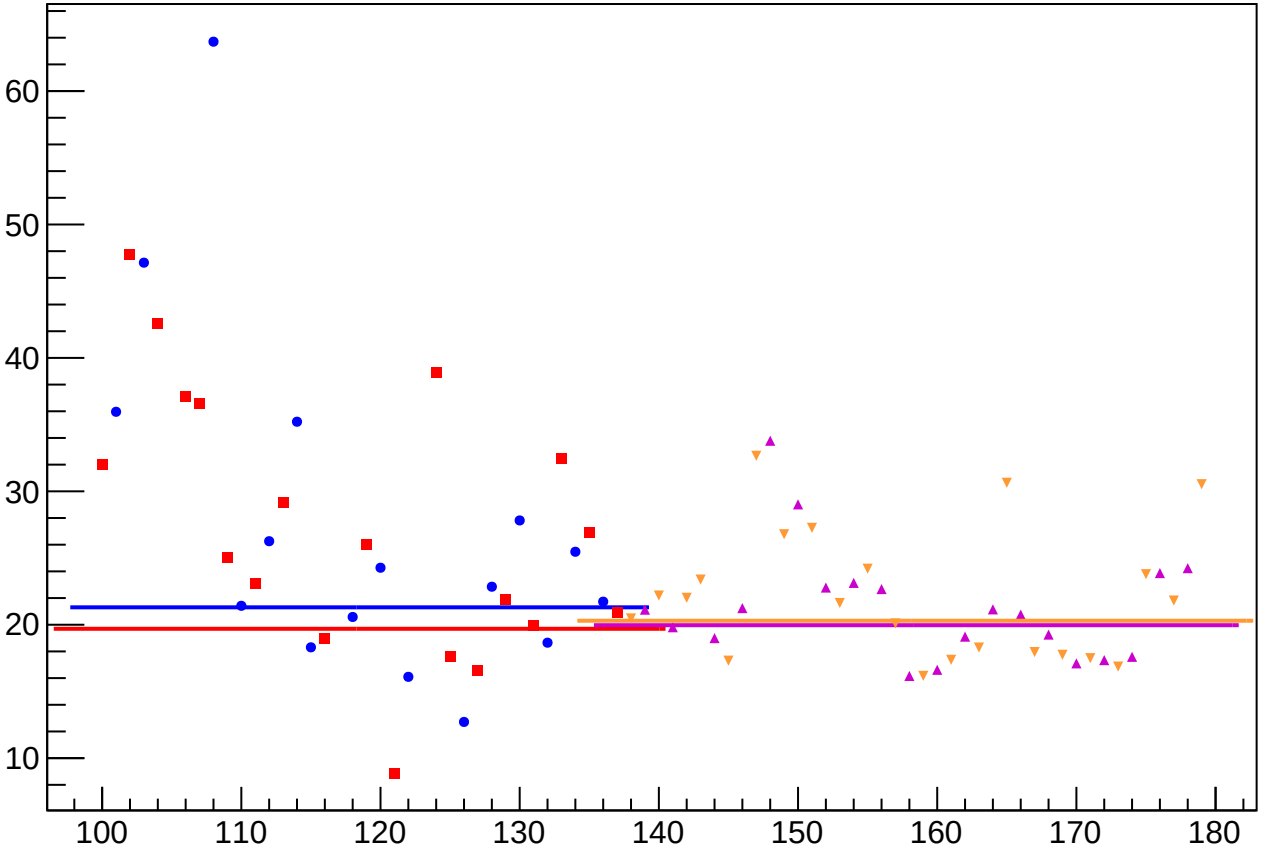
Left In: 0.002+/-0.005 χ^2/NDF:15.7/19

+ sign 0.013+/-0.004 χ^2/NDF: 59.1/37

All: 0.009+/-0.003 χ^2/NDF: 88.2/76

- sign 0.005+/-0.004 χ^2/NDF: 27.8/38

asym_sam_13_57_dd_dit_vs_cor_diff_rms vs Slug



Right In: 21.305+/-0.006 χ^2/NDF: 1479398.3/15

Left Out: 20.301+/-0.004 χ^2/NDF:1252293.5/21

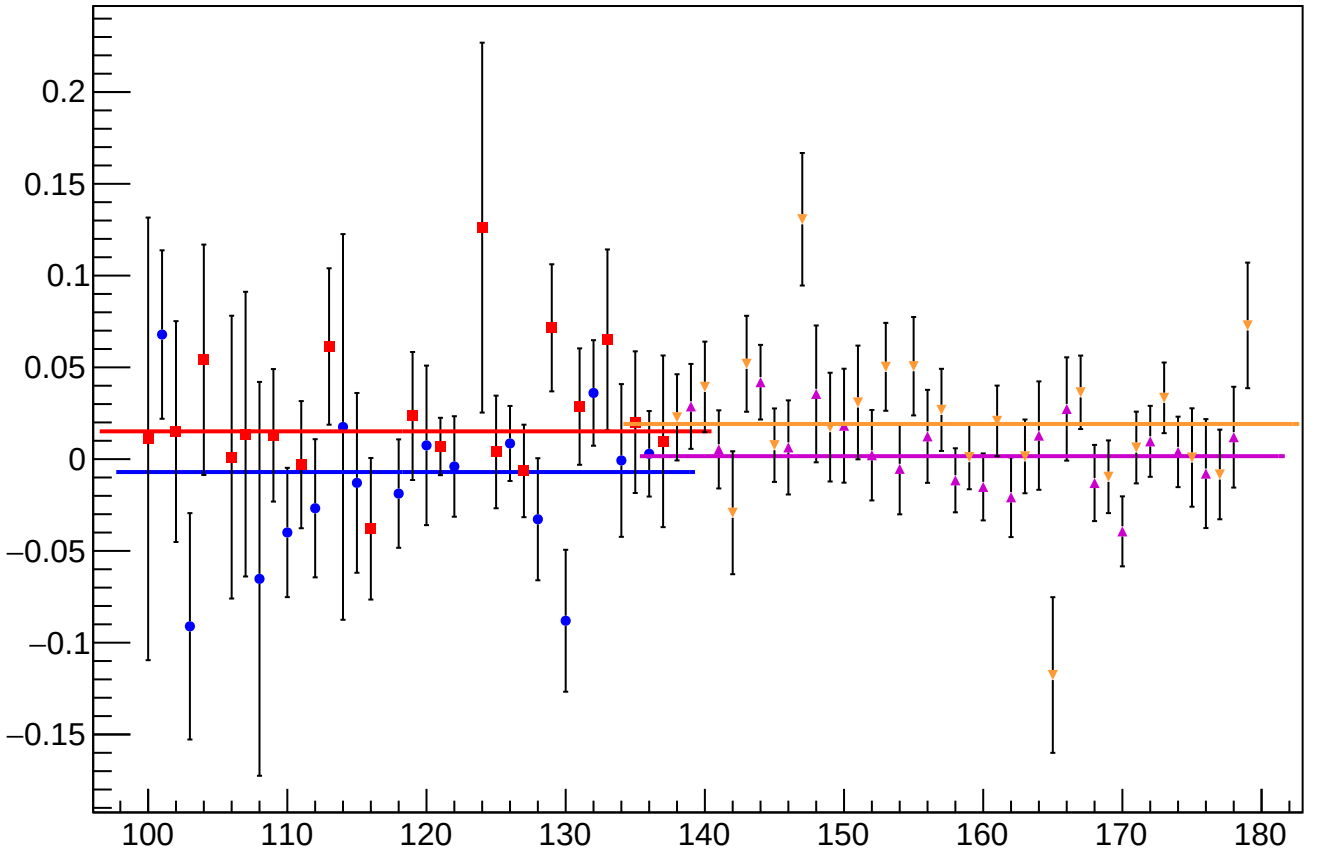
Right Out: 19.697+/-0.006 χ^2/NDF: 2438979.3/18

Left In: 19.966+/-0.004 χ^2/NDF:909537.0/19

+ sign 20.555+/-0.003 χ^2/NDF: 2751964.5/37

All: 20.223+/-0.002 χ^2/NDF: 6125440.9/76

- sign 19.891+/-0.003 χ^2/NDF: 3350061.7/38



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.019+/-0.005 χ^2/NDF:37.8/21

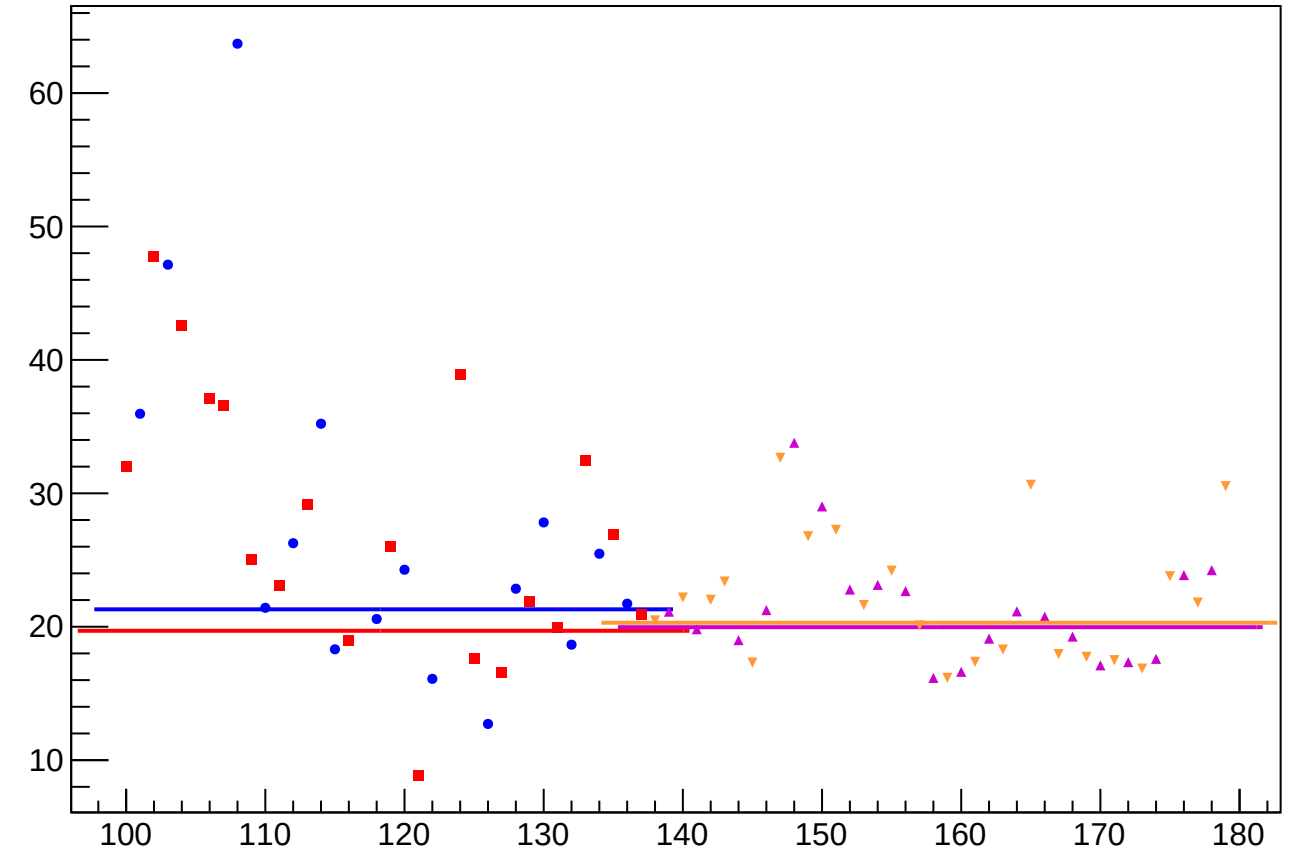
Right Out: 0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: 0.002+/-0.005 χ^2/NDF:15.7/19

+ sign 0.013+/-0.004 χ^2/NDF: 59.1/37

All: 0.009+/-0.003 χ^2/NDF: 88.2/76

- sign 0.005+/-0.004 χ^2/NDF: 27.8/38



Right In: 21.305+/-0.006 χ^2/NDF: 1479398.3/15

Left Out: 20.301+/-0.004 χ^2/NDF:1252293.5/21

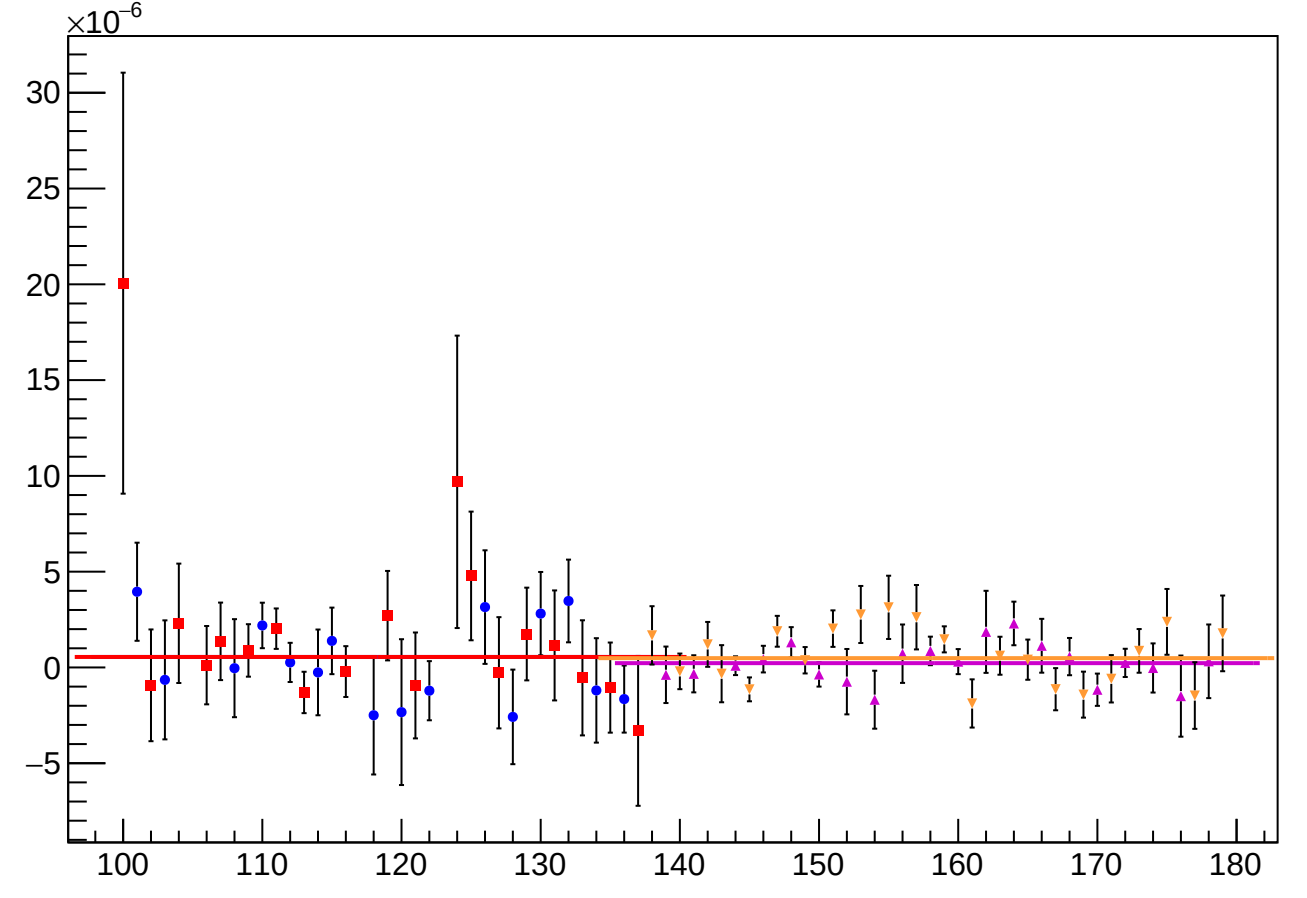
Right Out: 19.697+/-0.006 χ^2/NDF: 2438979.3/18

Left In: 19.966+/-0.004 χ^2/NDF:909537.0/19

+ sign 20.555+/-0.003 χ^2/NDF: 2751964.5/37

All: 20.223+/-0.002 χ^2/NDF: 6125440.9/76

- sign 19.891+/-0.003 χ^2/NDF: 3350061.7/38



Right In: 0.000+/-0.000 χ^2/NDF: 14.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:35.0/21

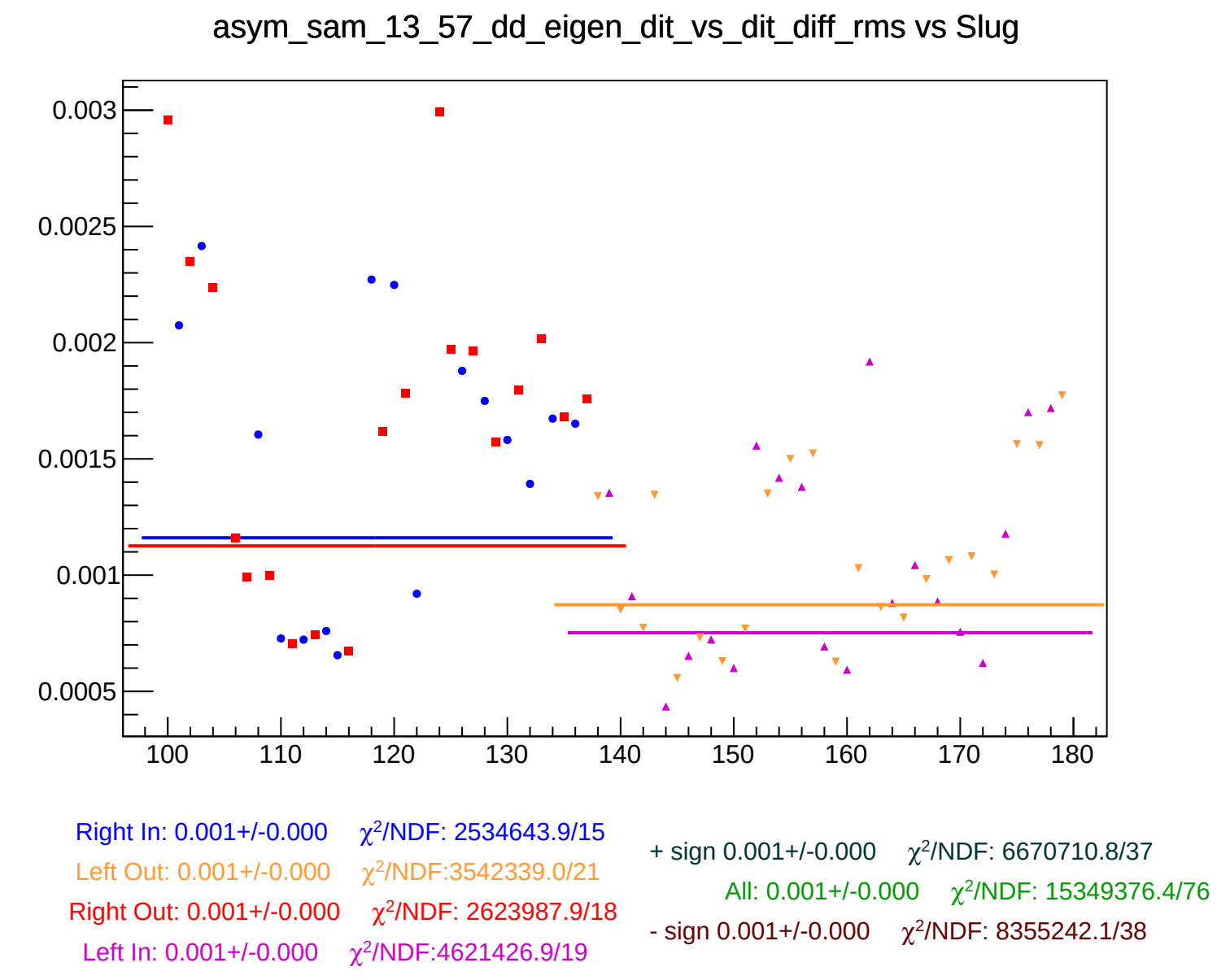
Right Out: 0.000+/-0.000 χ^2/NDF: 15.3/18

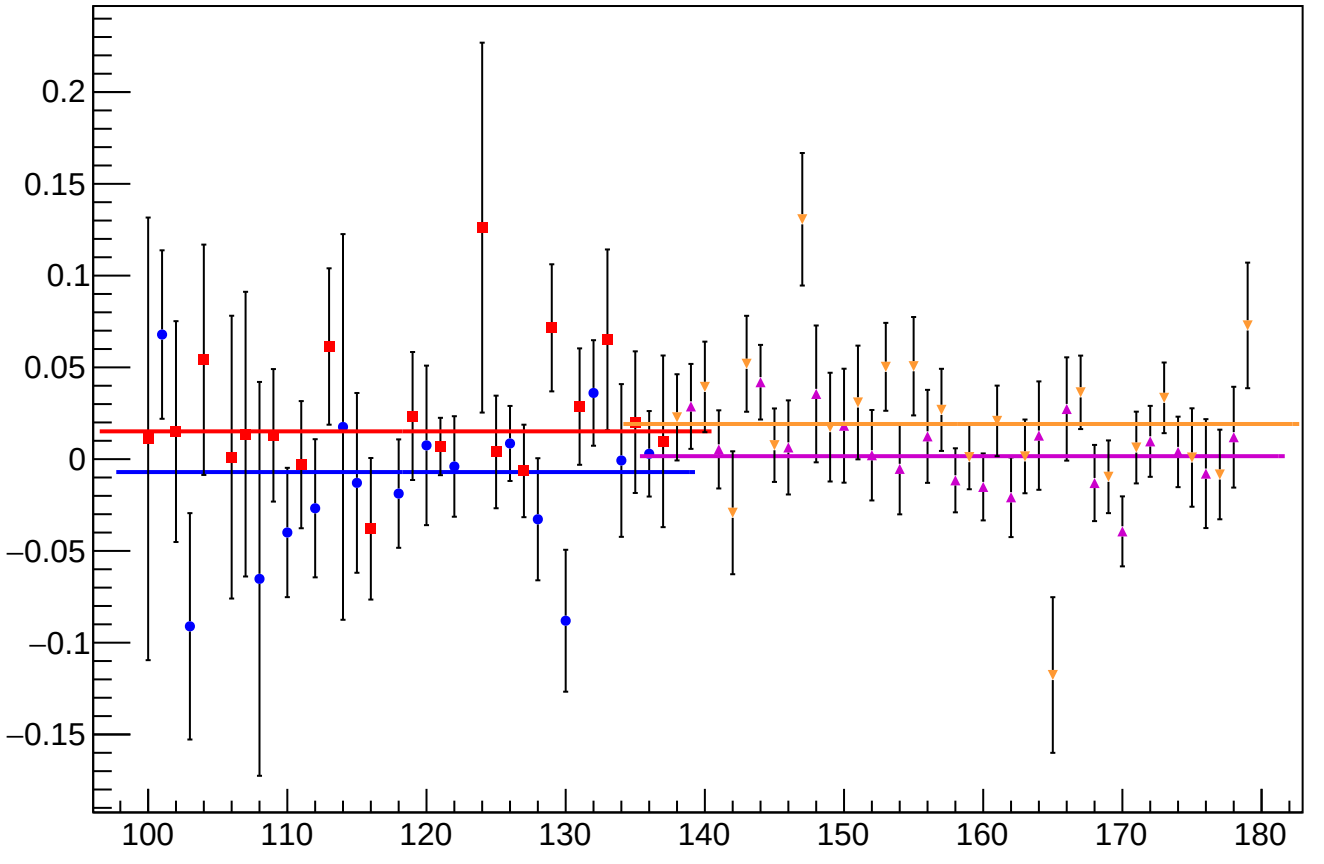
Left In: 0.000+/-0.000 χ^2/NDF:14.0/19

+ sign 0.000+/-0.000 χ^2/NDF: 49.4/37

All: 0.000+/-0.000 χ^2/NDF: 79.8/76

- sign 0.000+/-0.000 χ^2/NDF: 29.8/38


asym_sam_13_57_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
150
160
170
180
Right In: 0.001+/-0.000 χ²/NDF: 2534643.9/15
Left Out: 0.001+/-0.000 χ²/NDF:3542339.0/21
Right Out: 0.001+/-0.000 χ²/NDF: 2623987.9/18
Left In: 0.001+/-0.000 χ²/NDF:4621426.9/19
+ sign 0.001+/-0.000 χ²/NDF: 6670710.8/37
All: 0.001+/-0.000 χ²/NDF: 15349376.4/76
- sign 0.001+/-0.000 χ²/NDF: 8355242.1/38



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.019+/-0.005 χ^2/NDF:37.8/21

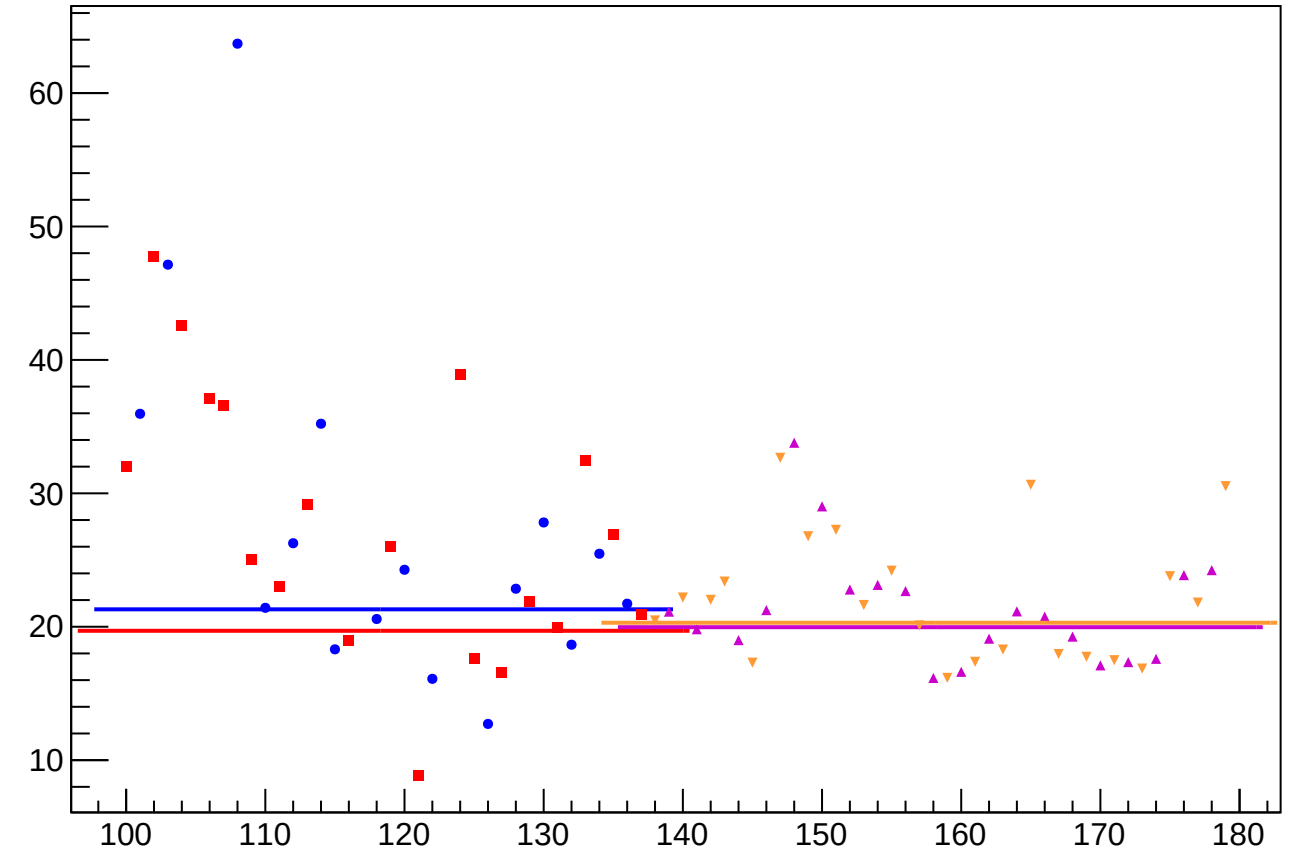
Right Out: 0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: 0.002+/-0.005 χ^2/NDF:15.7/19

+ sign 0.013+/-0.004 χ^2/NDF: 59.1/37

All: 0.009+/-0.003 χ^2/NDF: 88.2/76

- sign 0.005+/-0.004 χ^2/NDF: 27.8/38



Right In: 21.306+/-0.006 χ^2/NDF: 1479231.5/15

Left Out: 20.301+/-0.004 χ^2/NDF:1252423.0/21

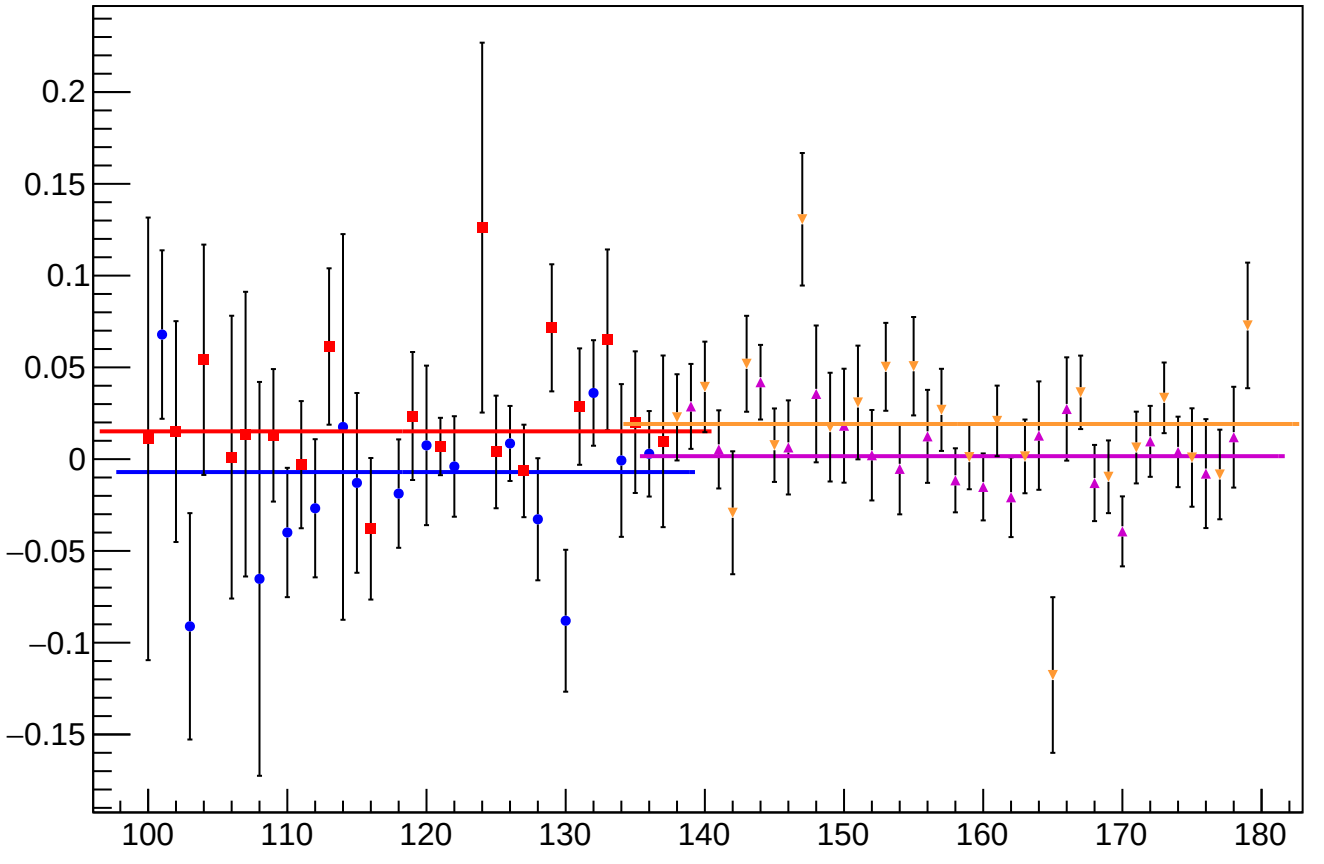
Right Out: 19.698+/-0.006 χ^2/NDF: 2438612.4/18

Left In: 19.966+/-0.004 χ^2/NDF:909579.7/19

+ sign 20.555+/-0.003 χ^2/NDF: 2751940.4/37

All: 20.223+/-0.002 χ^2/NDF: 6125073.9/76

- sign 19.891+/-0.003 χ^2/NDF: 3349730.4/38



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.019+/-0.005 χ^2/NDF:37.8/21

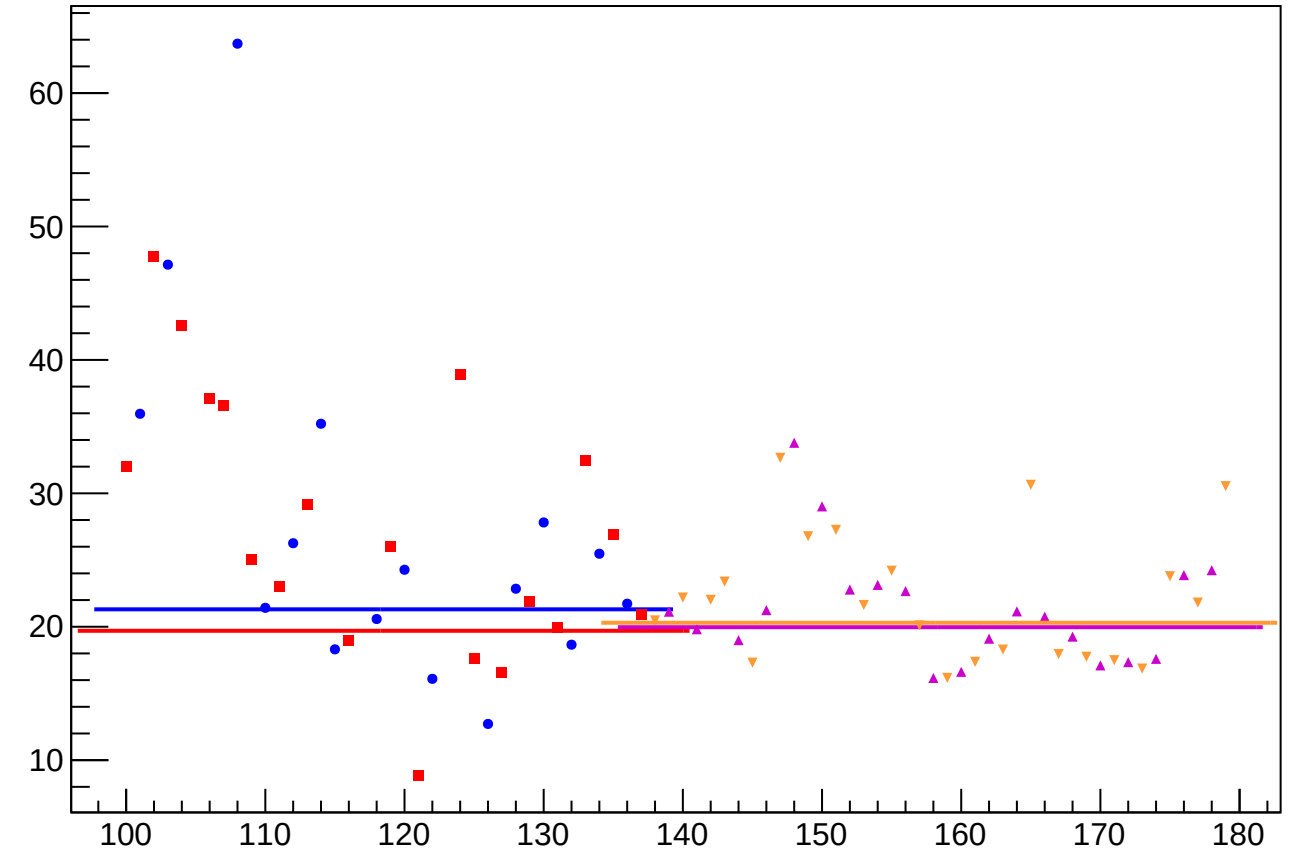
Right Out: 0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: 0.002+/-0.005 χ^2/NDF:15.7/19

+ sign 0.013+/-0.004 χ^2/NDF: 59.1/37

All: 0.009+/-0.003 χ^2/NDF: 88.2/76

- sign 0.005+/-0.004 χ^2/NDF: 27.8/38



Right In: 21.306+/-0.006 χ^2/NDF: 1479231.5/15

Left Out: 20.301+/-0.004 χ^2/NDF:1252423.0/21

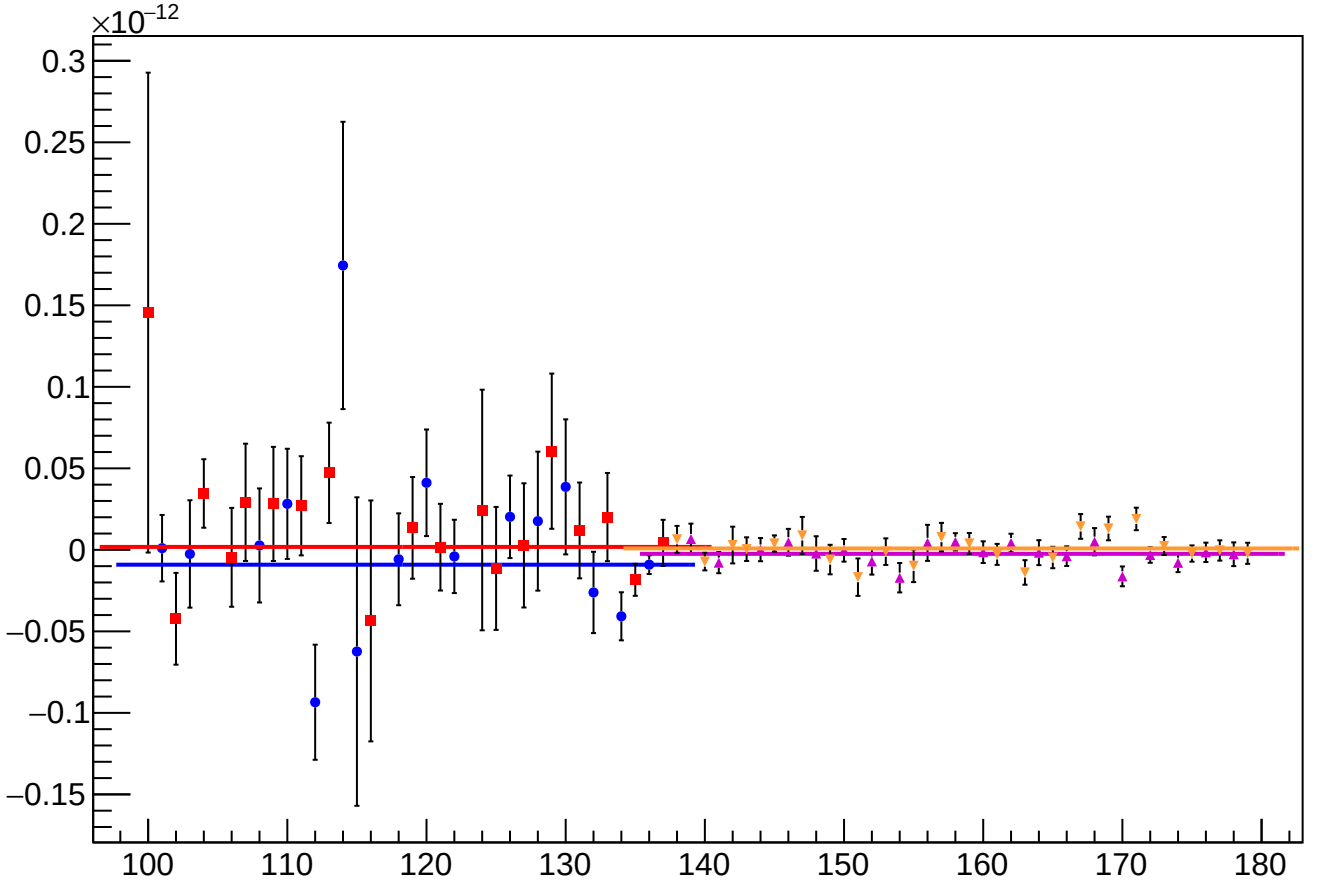
Right Out: 19.698+/-0.006 χ^2/NDF: 2438612.4/18

Left In: 19.966+/-0.004 χ^2/NDF:909579.7/19

+ sign 20.555+/-0.003 χ^2/NDF: 2751940.4/37

All: 20.223+/-0.002 χ^2/NDF: 6125073.9/76

- sign 19.891+/-0.003 χ^2/NDF: 3349730.4/38



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:27.0/21

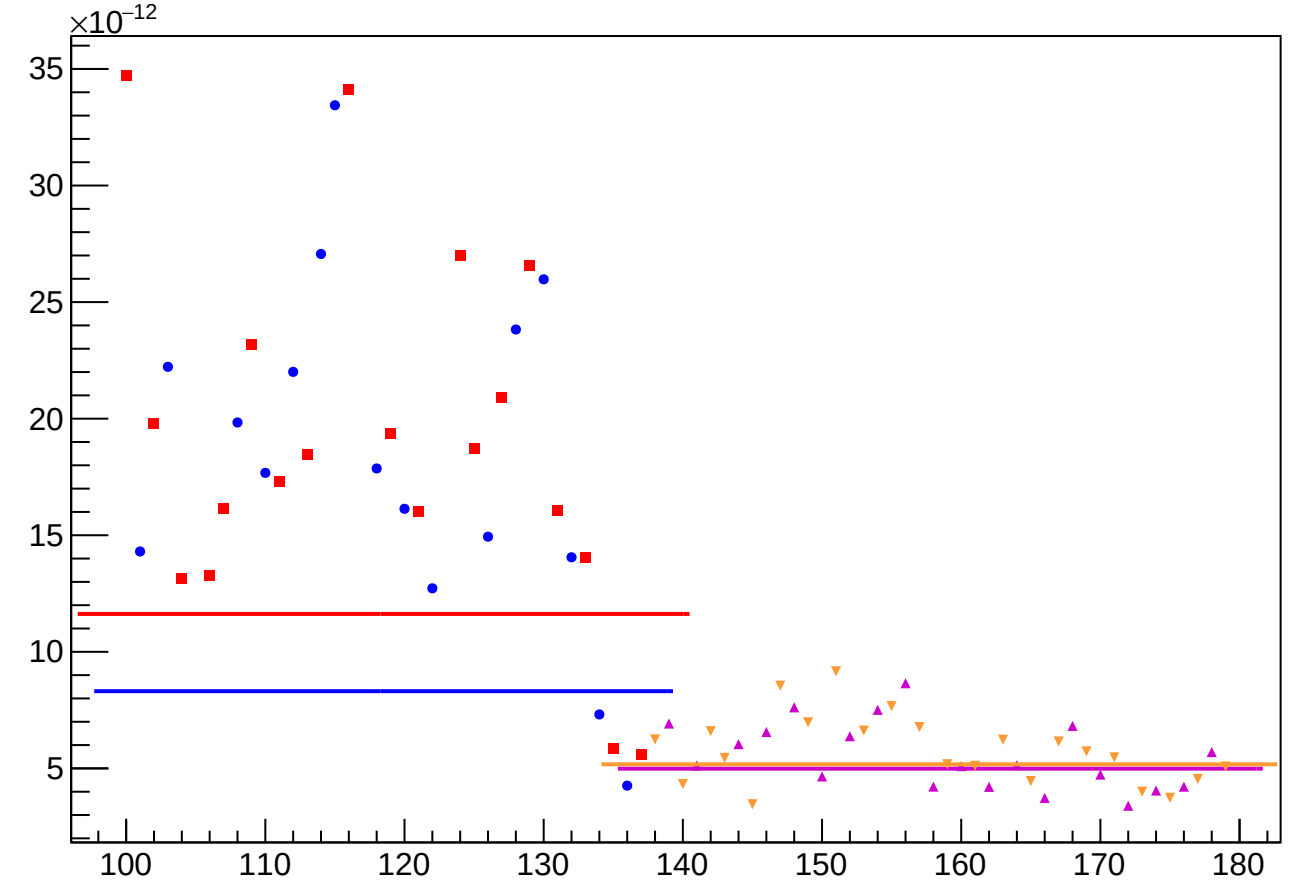
Right Out: 0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: -0.000+/-0.000 χ^2/NDF:16.2/19

+ sign -0.000+/-0.000 χ^2/NDF: 54.0/37

All: -0.000+/-0.000 χ^2/NDF: 88.8/76

- sign -0.000+/-0.000 χ^2/NDF: 33.7/38



Right In: 0.000+/-0.000 χ^2/NDF: 3731754.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1493503.2/21

Right Out: 0.000+/-0.000 χ^2/NDF: 2610908.4/18

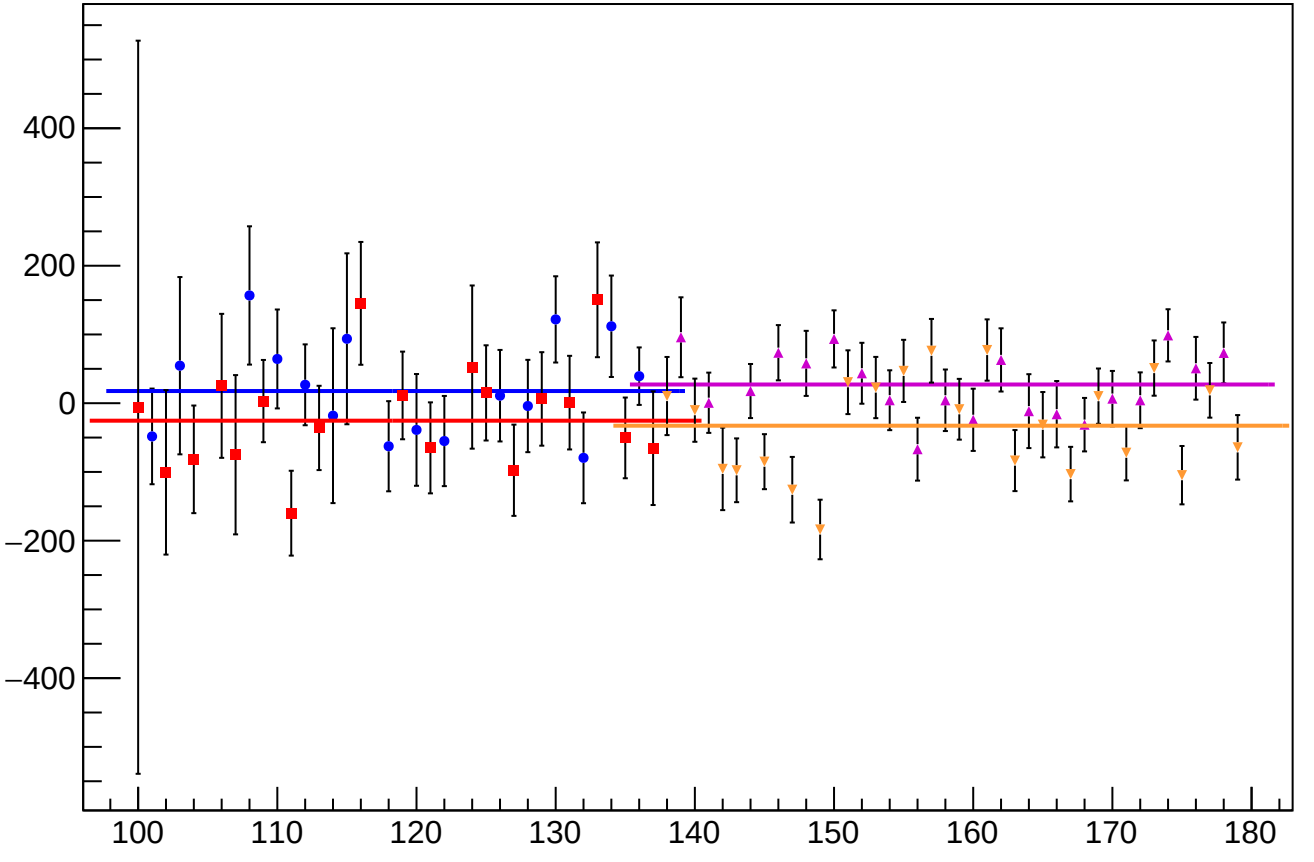
Left In: 0.000+/-0.000 χ^2/NDF:1360569.4/19

+ sign 0.000+/-0.000 χ^2/NDF: 6102804.8/37

All: 0.000+/-0.000 χ^2/NDF: 12618875.6/76

- sign 0.000+/-0.000 χ^2/NDF: 6514764.1/38

reg_asym_sam_15_37_dd_mean vs Slug



Right In: 17.701+/-17.470 χ^2/NDF: 13.9/15

Left Out: -32.735+/-9.474 χ^2/NDF:55.9/21

Right Out: -25.440+/-17.337 χ^2/NDF: 17.8/18

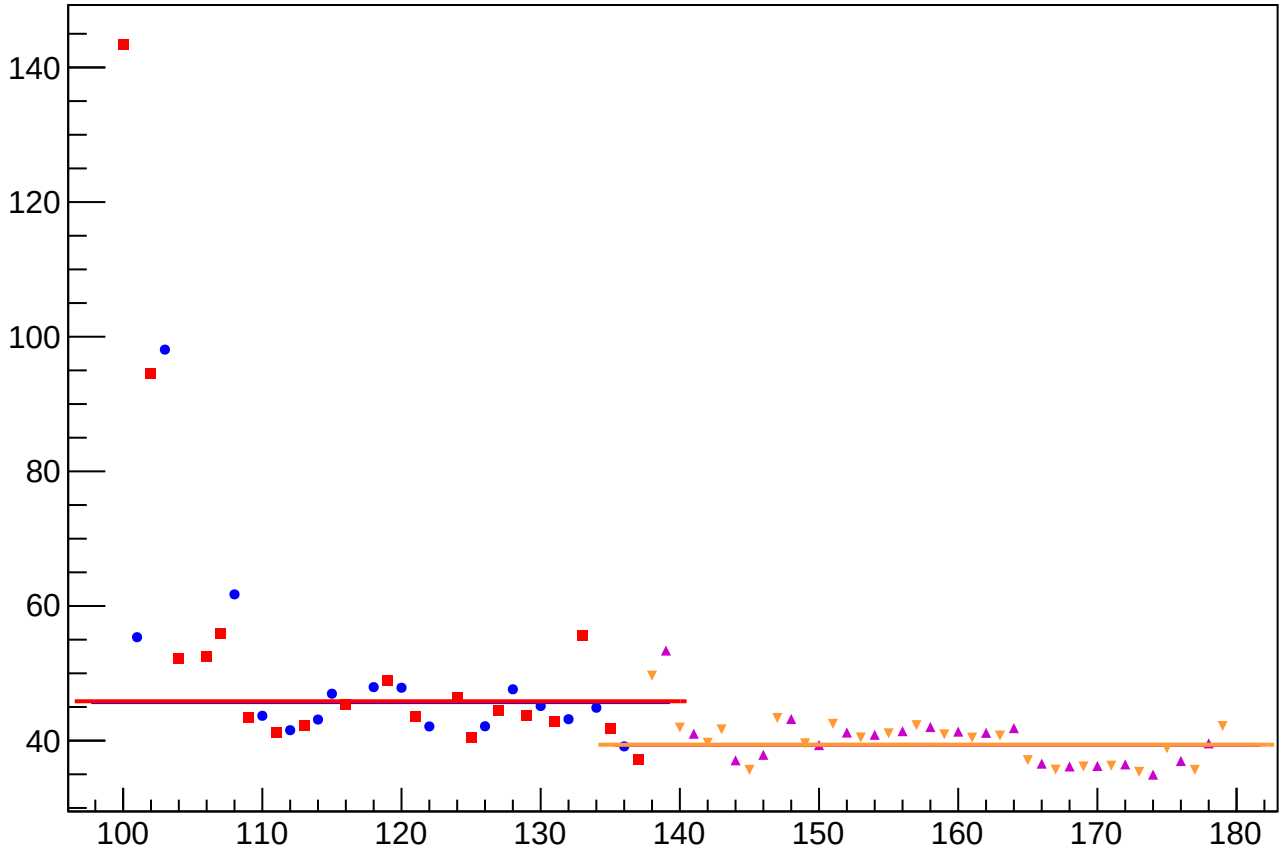
Left In: 27.202+/-9.795 χ^2/NDF:22.0/19

+ sign -21.273+/-8.328 χ^2/NDF: 76.3/37

All: -3.827+/-5.958 χ^2/NDF: 132.1/76

- sign 14.465+/-8.528 χ^2/NDF: 46.8/38

reg_asym_sam_15_37_dd_rms vs Slug



Right In: 45.727+/-0.012 χ^2/NDF: 501460.7/15

Left Out: 39.394+/-0.007 χ^2/NDF:225829.0/21

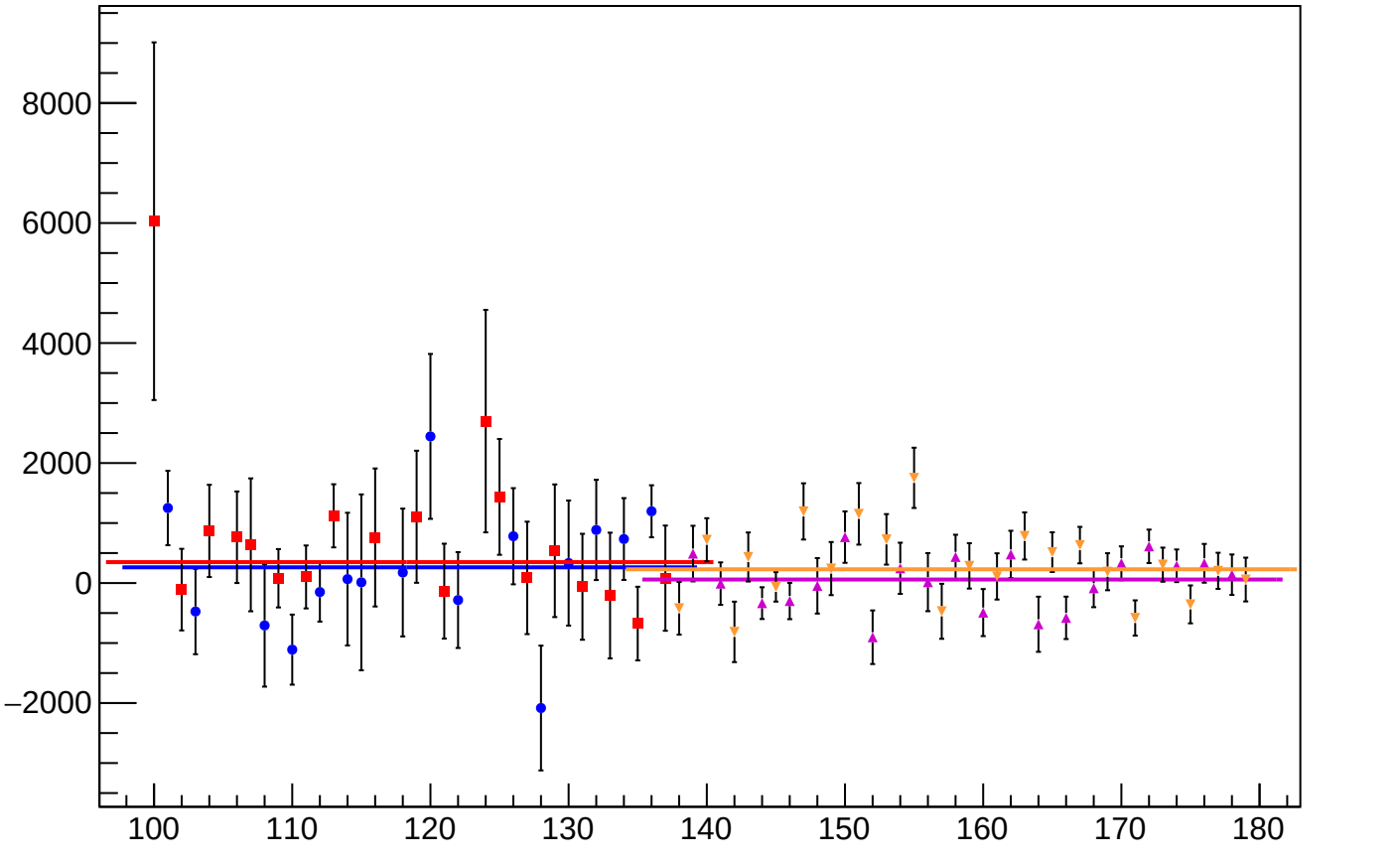
Right Out: 45.849+/-0.012 χ^2/NDF: 540156.7/18

Left In: 39.363+/-0.007 χ^2/NDF:244827.3/19

+ sign 40.833+/-0.006 χ^2/NDF: 930372.3/37

All: 40.881+/-0.004 χ^2/NDF: 1927723.1/76

- sign 40.932+/-0.006 χ^2/NDF: 997212.3/38



Right In: 261.943+/-185.211 χ^2/NDF: 25.0/15

Left Out: 229.337+/-76.594 χ^2/NDF:46.5/21

Right Out: 348.685+/-180.682 χ^2/NDF: 14.9/18

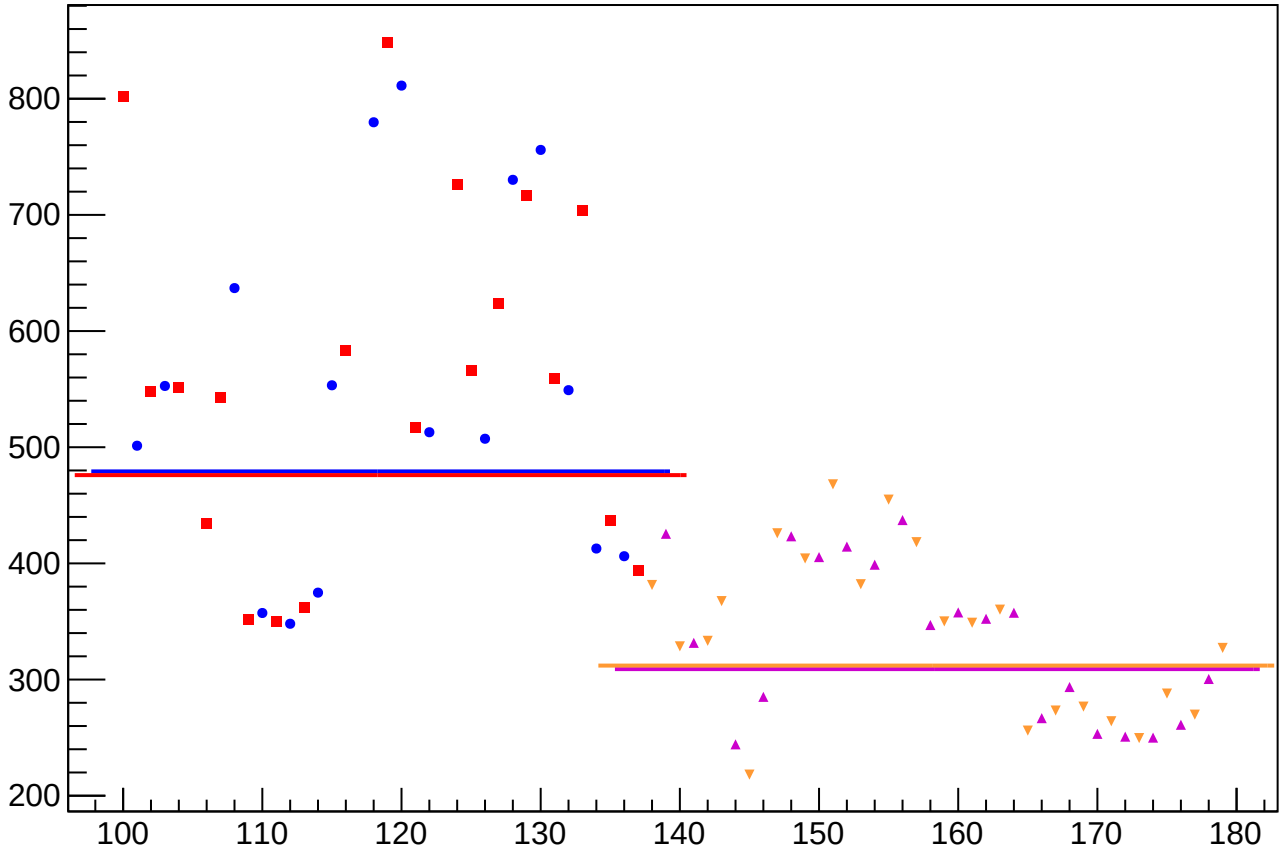
Left In: 58.882+/-78.311 χ^2/NDF:28.7/19

+ sign 234.099+/-70.780 χ^2/NDF: 71.4/37

All: 170.378+/-50.424 χ^2/NDF: 118.9/76

- sign 104.713+/-71.852 χ^2/NDF: 45.8/38

asym_sam_15_37_dd_reg_correction_rms vs Slug



Right In: 479.178+/-0.131 χ^2/NDF: 952693.7/15

Left Out: 312.021+/-0.054 χ^2/NDF:1490103.4/21

Right Out: 475.992+/-0.128 χ^2/NDF: 1006487.7/18

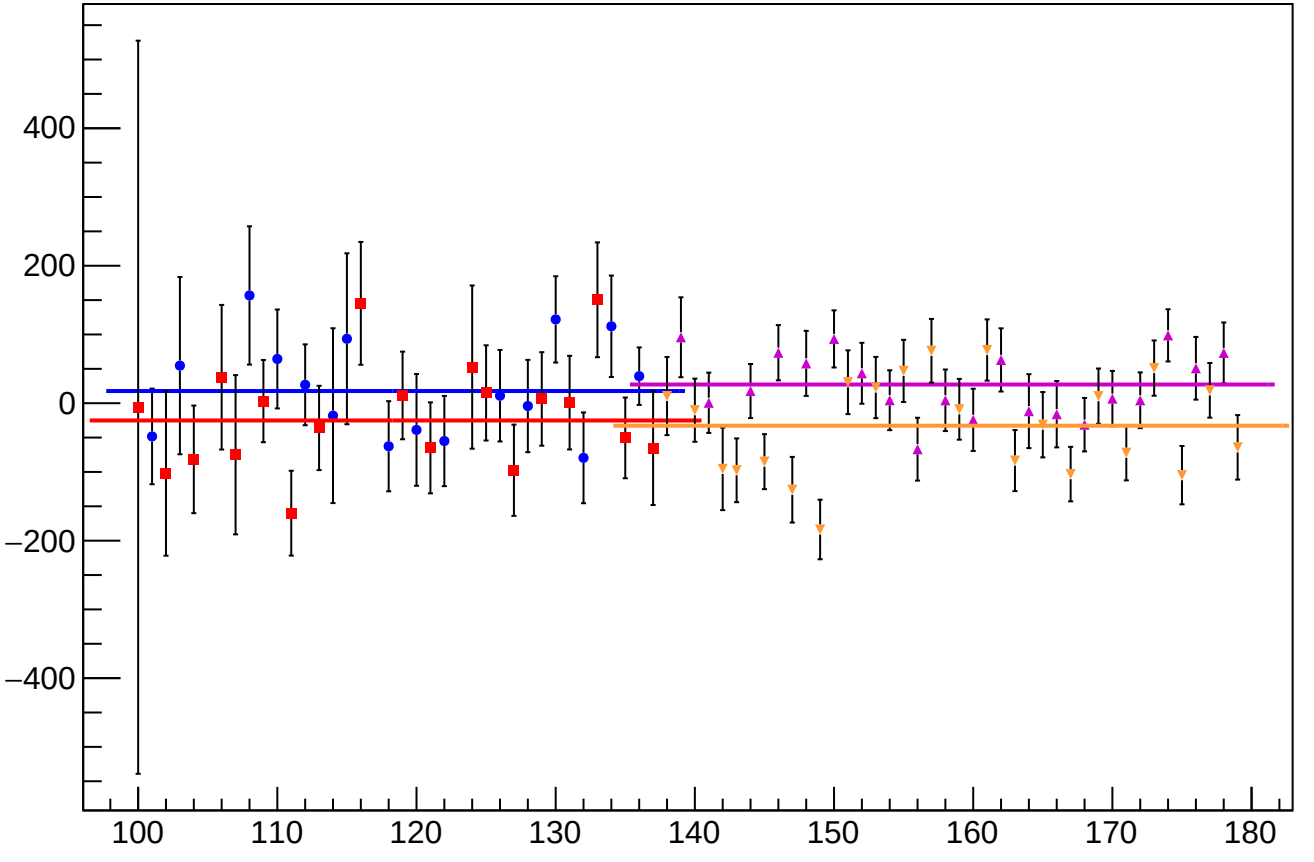
Left In: 308.999+/-0.055 χ^2/NDF:1267405.3/19

+ sign 336.434+/-0.050 χ^2/NDF: 3833958.0/37

All: 335.929+/-0.036 χ^2/NDF: 7546305.1/76

- sign 335.408+/-0.051 χ^2/NDF: 3712140.2/38

cor_asym_sam_15_37_dd_mean vs Slug



Right In: 17.706+/-17.470 χ^2/NDF: 13.9/15

Left Out: -32.736+/-9.474 χ^2/NDF:55.9/21

Right Out: -25.145+/-17.339 χ^2/NDF: 18.0/18

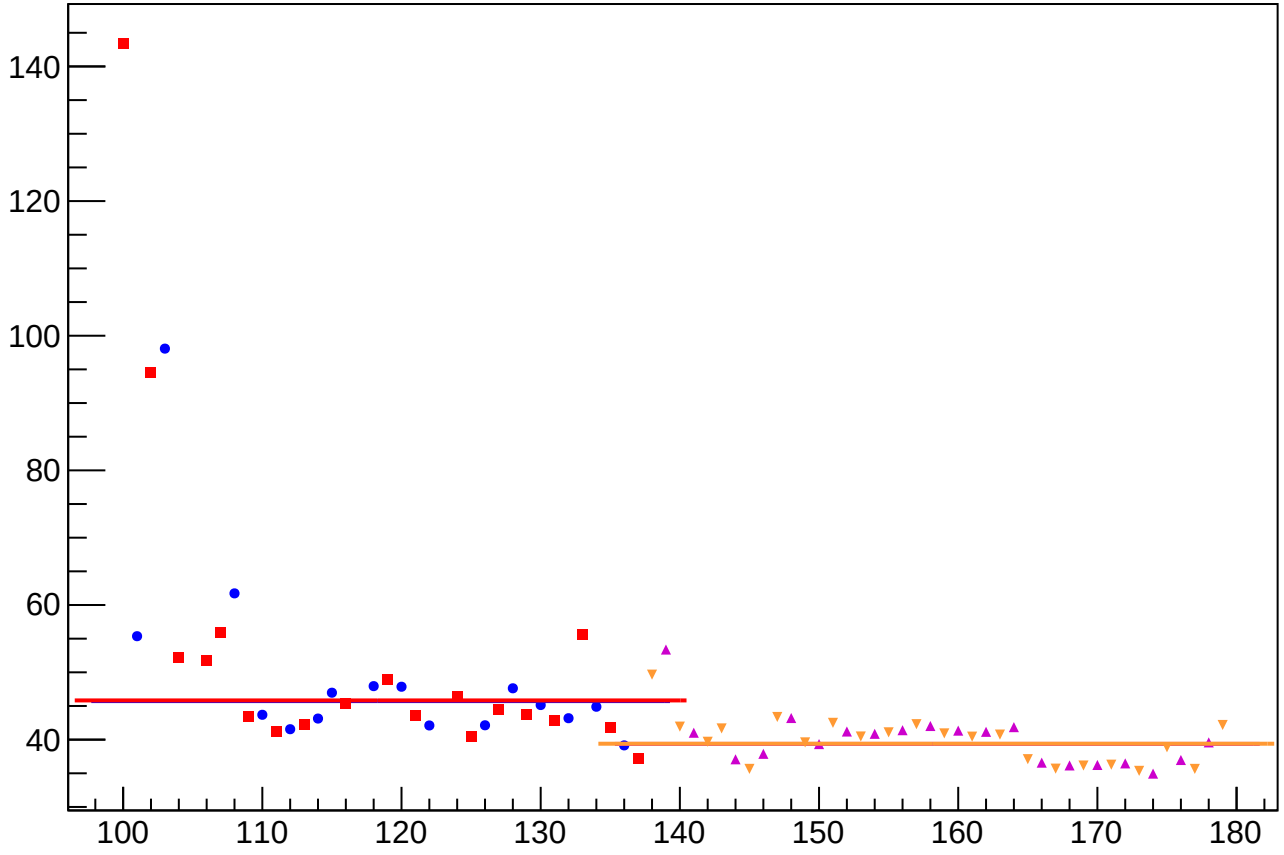
Left In: 27.201+/-9.795 χ^2/NDF:22.0/19

+ sign -21.272+/-8.328 χ^2/NDF: 76.3/37

All: -3.792+/-5.958 χ^2/NDF: 132.2/76

- sign 14.538+/-8.528 χ^2/NDF: 46.9/38

cor_asym_sam_15_37_dd_rms vs Slug



Right In: 45.727+/-0.012 χ^2/NDF: 501463.8/15

Left Out: 39.394+/-0.007 χ^2/NDF:225829.0/21

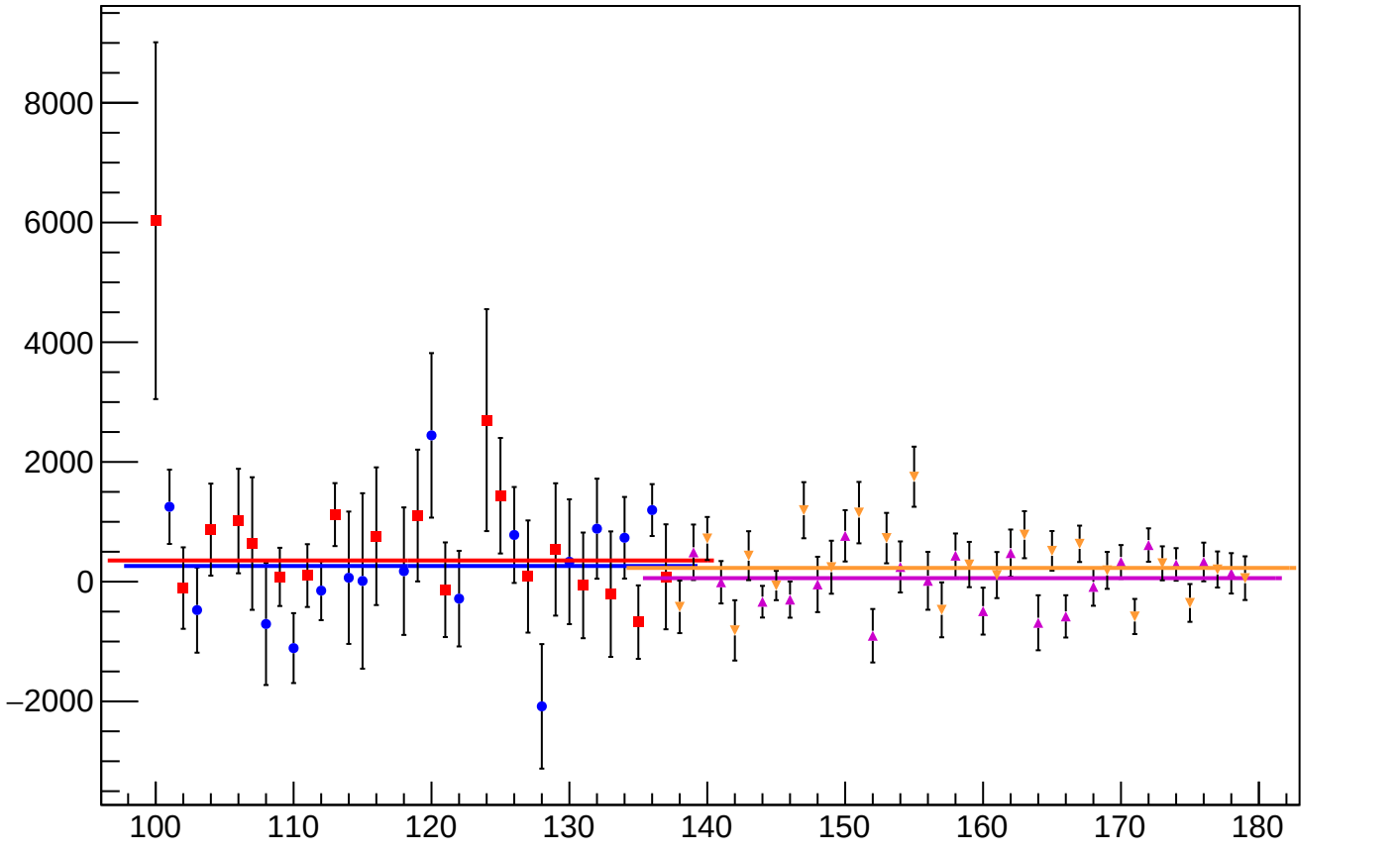
Right Out: 45.825+/-0.012 χ^2/NDF: 538470.5/18

Left In: 39.363+/-0.007 χ^2/NDF:244827.2/19

+ sign 40.833+/-0.006 χ^2/NDF: 930375.3/37

All: 40.878+/-0.004 χ^2/NDF: 1924423.0/76

- sign 40.926+/-0.006 χ^2/NDF: 993925.8/38



Right In: 261.947+/-185.212 χ^2/NDF: 25.0/15

Left Out: 229.335+/-76.594 χ^2/NDF:46.5/21

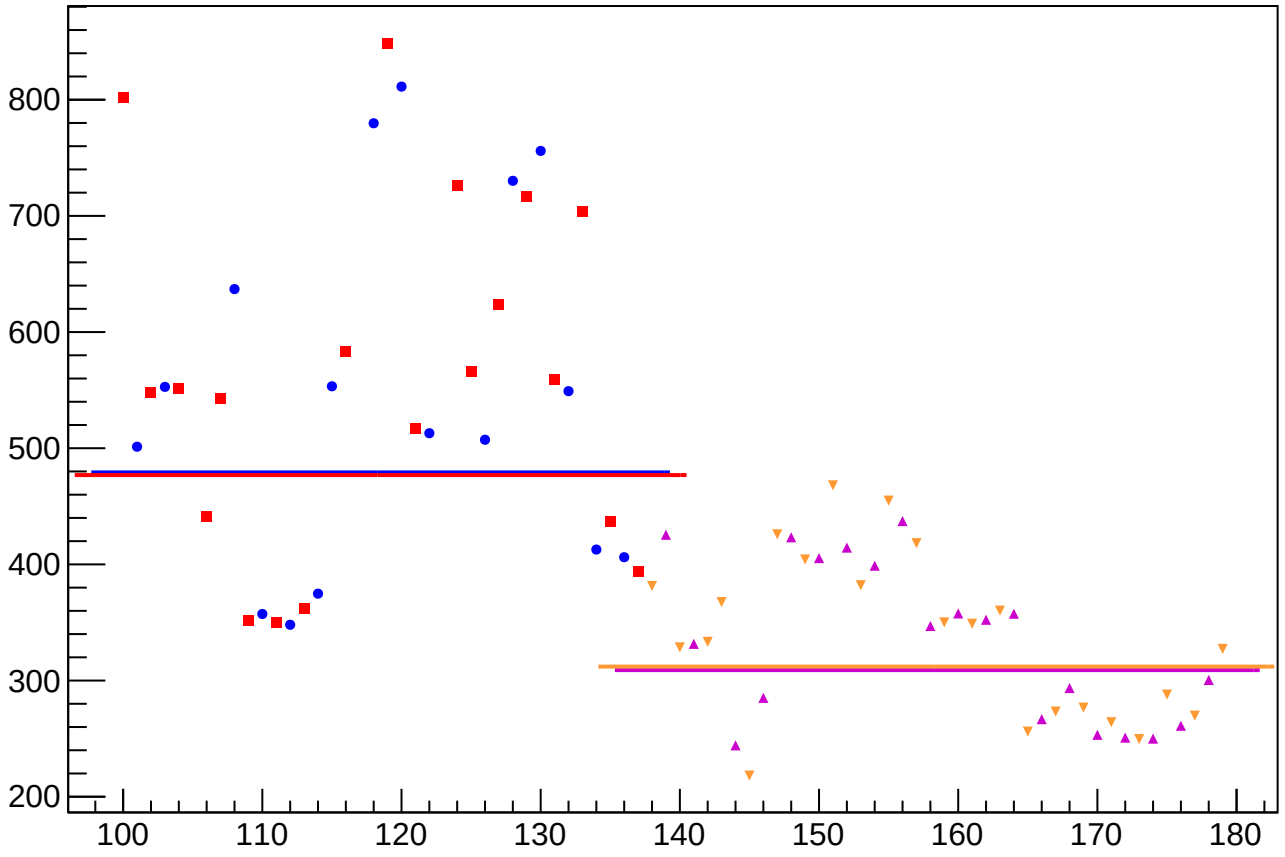
Right Out: 354.204+/-181.903 χ^2/NDF: 15.2/18

Left In: 58.879+/-78.311 χ^2/NDF:28.7/19

+ sign 234.097+/-70.780 χ^2/NDF: 71.4/37

All: 170.615+/-50.450 χ^2/NDF: 119.2/76

- sign 105.056+/-71.929 χ^2/NDF: 46.1/38



Right In: 479.180+/-0.131 χ^2/NDF: 952722.6/15

Left Out: 312.021+/-0.054 χ^2/NDF:1490100.9/21

Right Out: 476.893+/-0.129 χ^2/NDF: 1003767.4/18

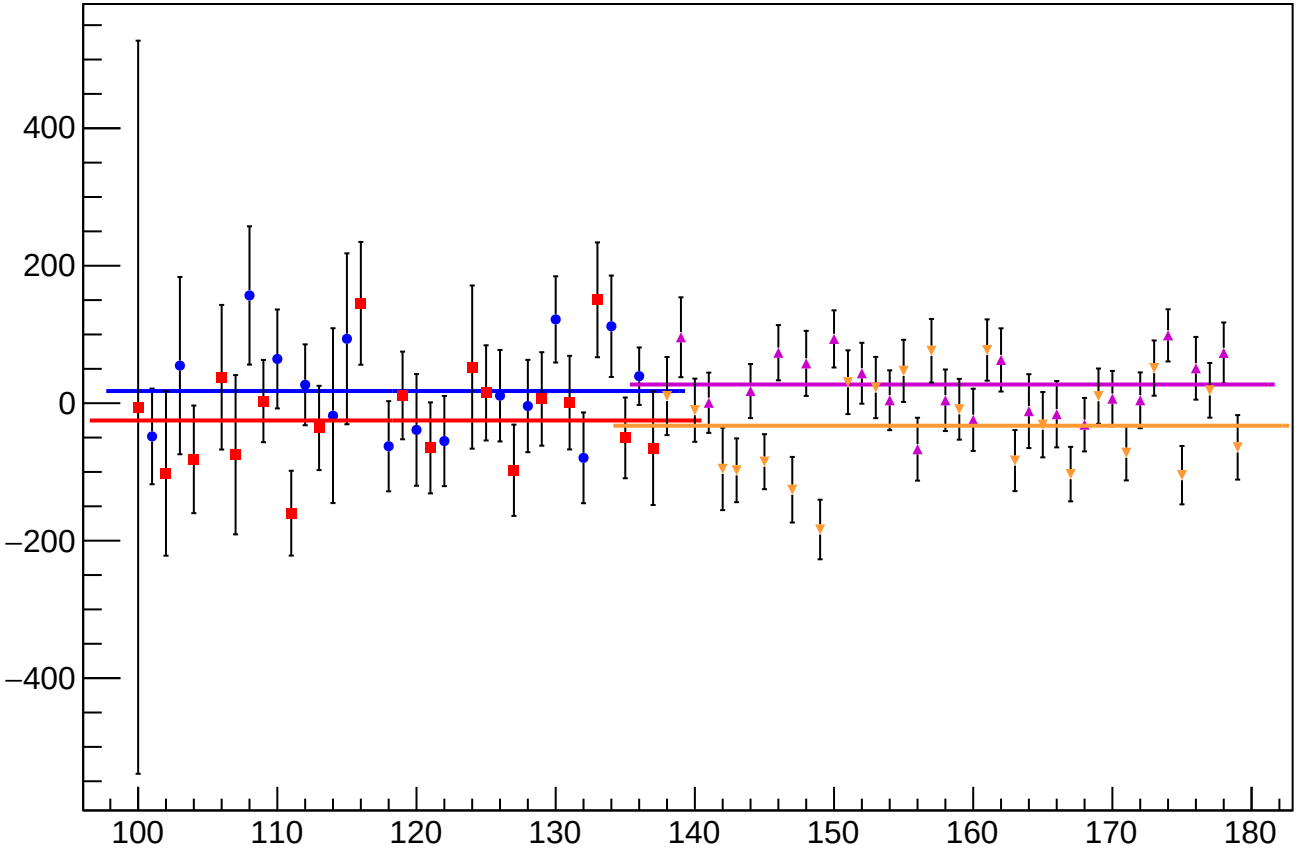
Left In: 308.999+/-0.055 χ^2/NDF:1267413.8/19

+ sign 336.434+/-0.050 χ^2/NDF: 3834007.5/37

All: 335.852+/-0.036 χ^2/NDF: 7542868.4/76

- sign 335.251+/-0.051 χ^2/NDF: 3708586.0/38

eigen_cor_asym_sam_15_37_dd_mean vs Slug



Right In: 17.706+/-17.470 χ^2/NDF: 13.9/15

Left Out: -32.736+/-9.474 χ^2/NDF:55.9/21

Right Out: -25.145+/-17.339 χ^2/NDF: 18.0/18

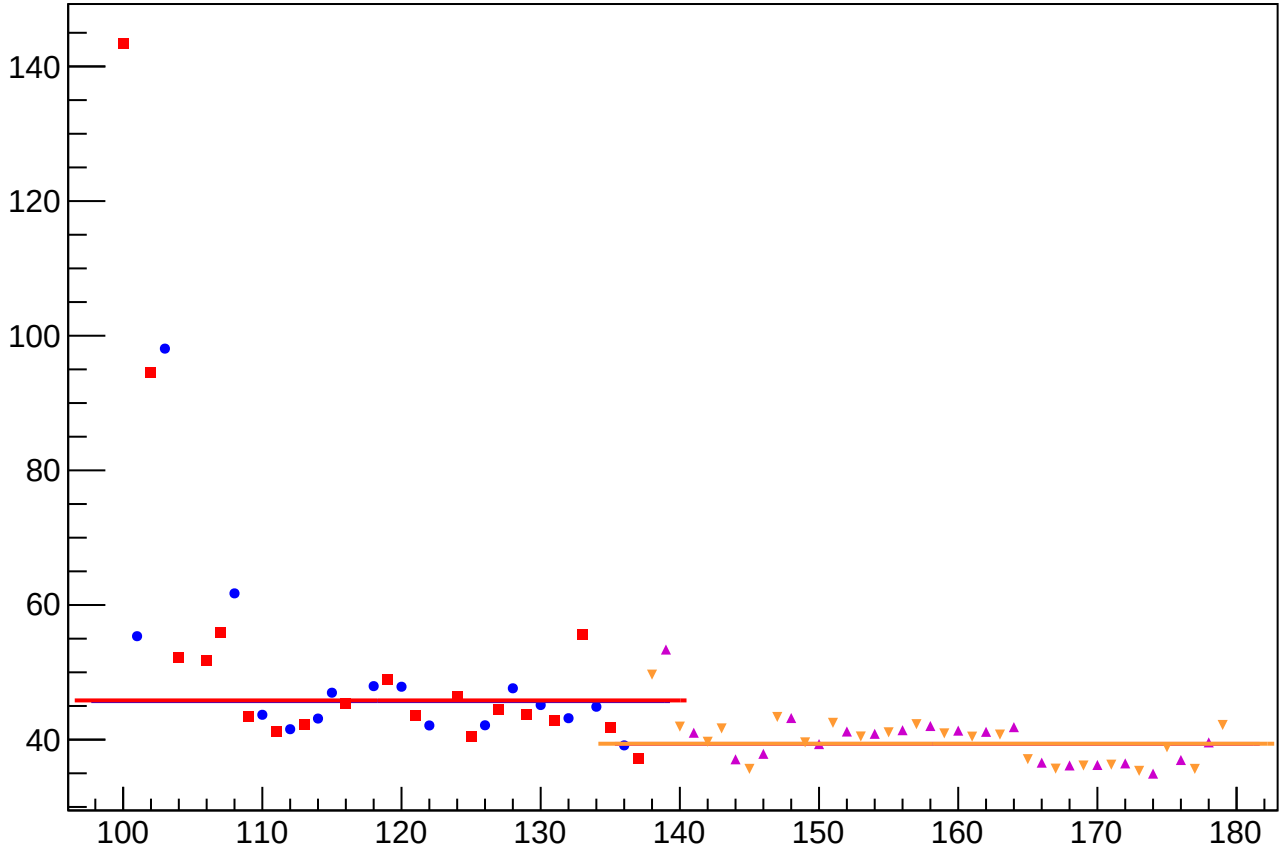
Left In: 27.201+/-9.795 χ^2/NDF:22.0/19

+ sign -21.272+/-8.328 χ^2/NDF: 76.3/37

All: -3.792+/-5.958 χ^2/NDF: 132.2/76

- sign 14.538+/-8.528 χ^2/NDF: 46.9/38

eigen_cor_asym_sam_15_37_dd_rms vs Slug



Right In: 45.727+/-0.012 χ^2/NDF: 501463.8/15

Left Out: 39.394+/-0.007 χ^2/NDF:225829.0/21

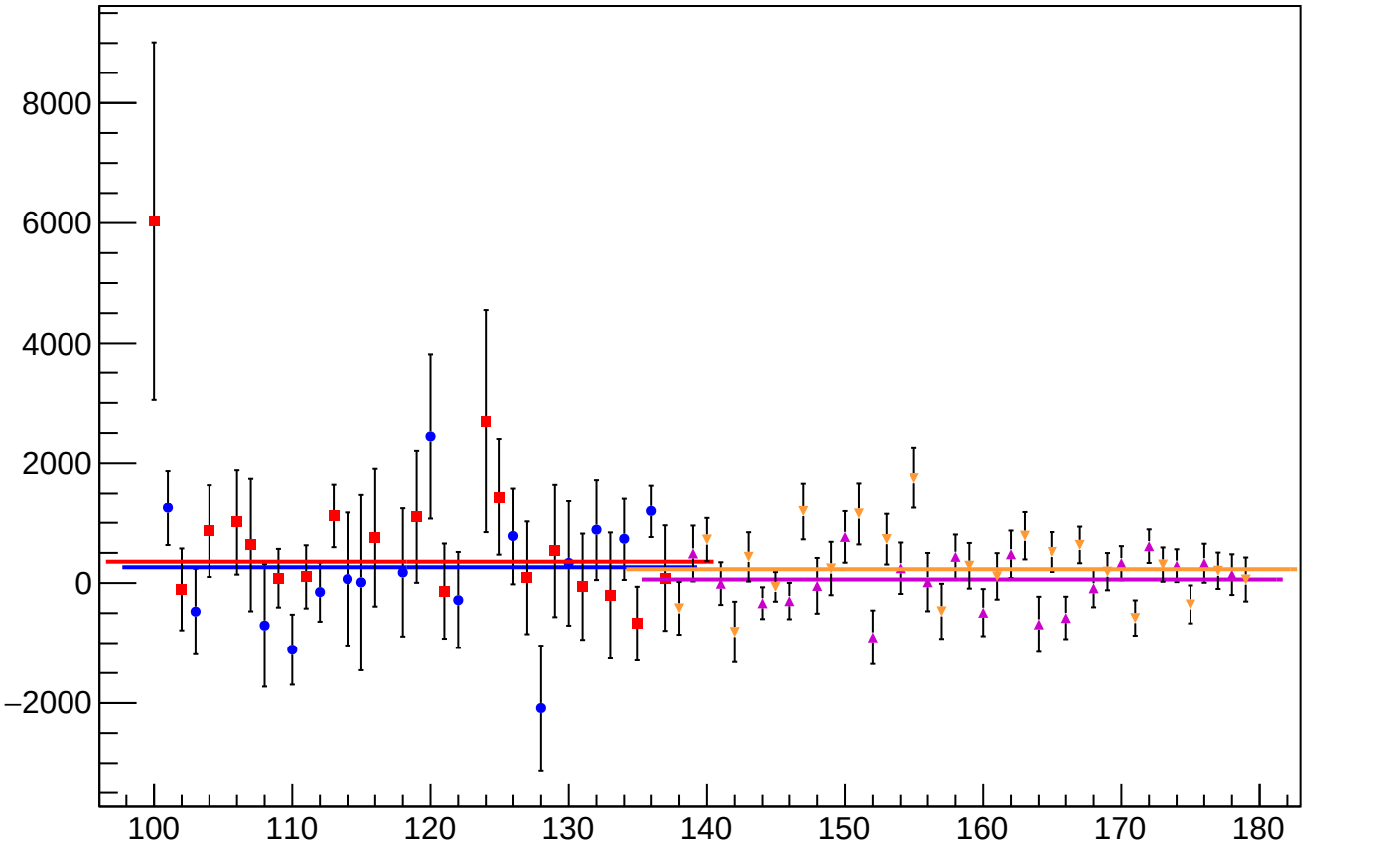
Right Out: 45.825+/-0.012 χ^2/NDF: 538470.5/18

Left In: 39.363+/-0.007 χ^2/NDF:244827.2/19

+ sign 40.833+/-0.006 χ^2/NDF: 930375.3/37

All: 40.878+/-0.004 χ^2/NDF: 1924423.0/76

- sign 40.926+/-0.006 χ^2/NDF: 993925.8/38



Right In: 261.947+/-185.212 χ^2/NDF: 25.0/15

Left Out: 229.335+/-76.594 χ^2/NDF:46.5/21

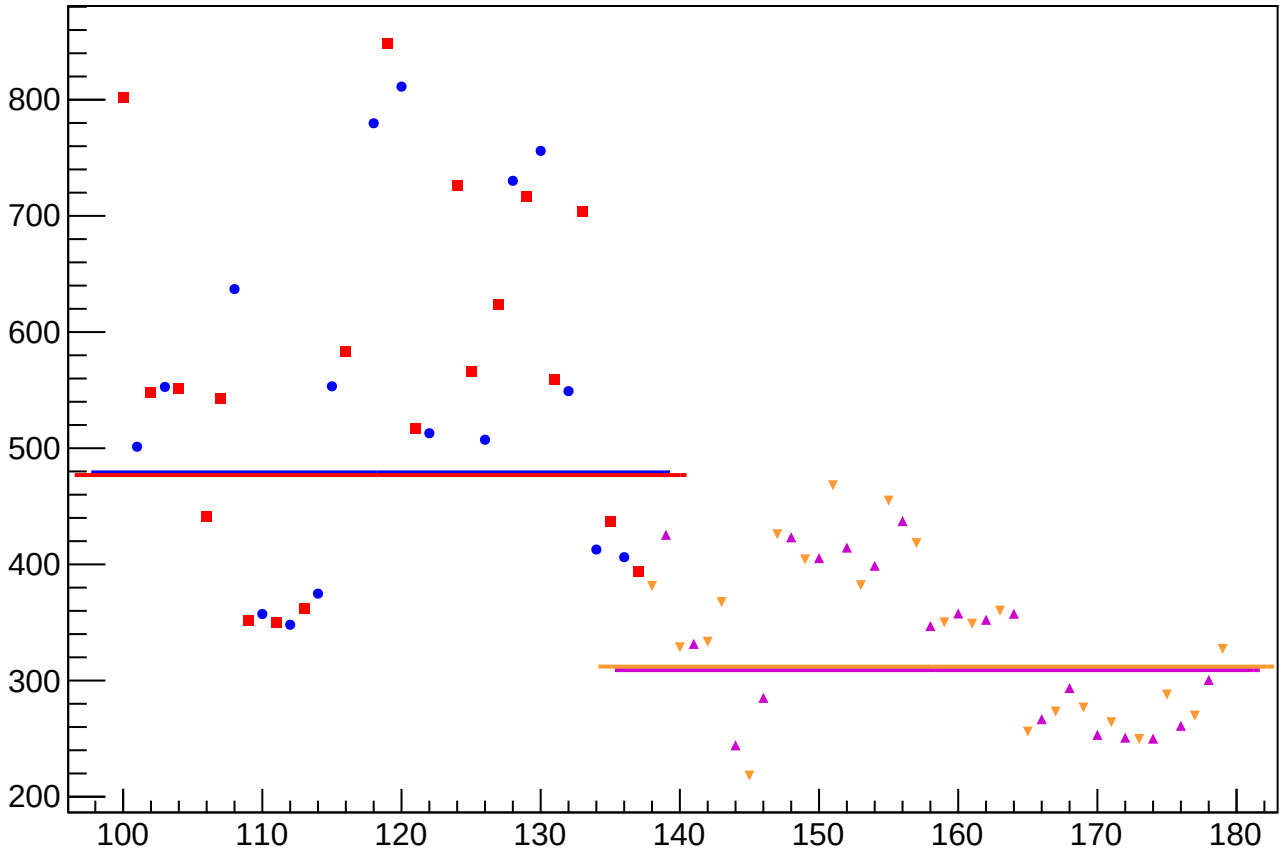
Right Out: 354.204+/-181.903 χ^2/NDF: 15.2/18

Left In: 58.879+/-78.311 χ^2/NDF:28.7/19

+ sign 234.097+/-70.780 χ^2/NDF: 71.4/37

All: 170.615+/-50.450 χ^2/NDF: 119.2/76

- sign 105.056+/-71.929 χ^2/NDF: 46.1/38



Right In: 479.180+/-0.131 χ^2/NDF: 952722.6/15

Left Out: 312.021+/-0.054 χ^2/NDF:1490100.9/21

Right Out: 476.893+/-0.129 χ^2/NDF: 1003767.4/18

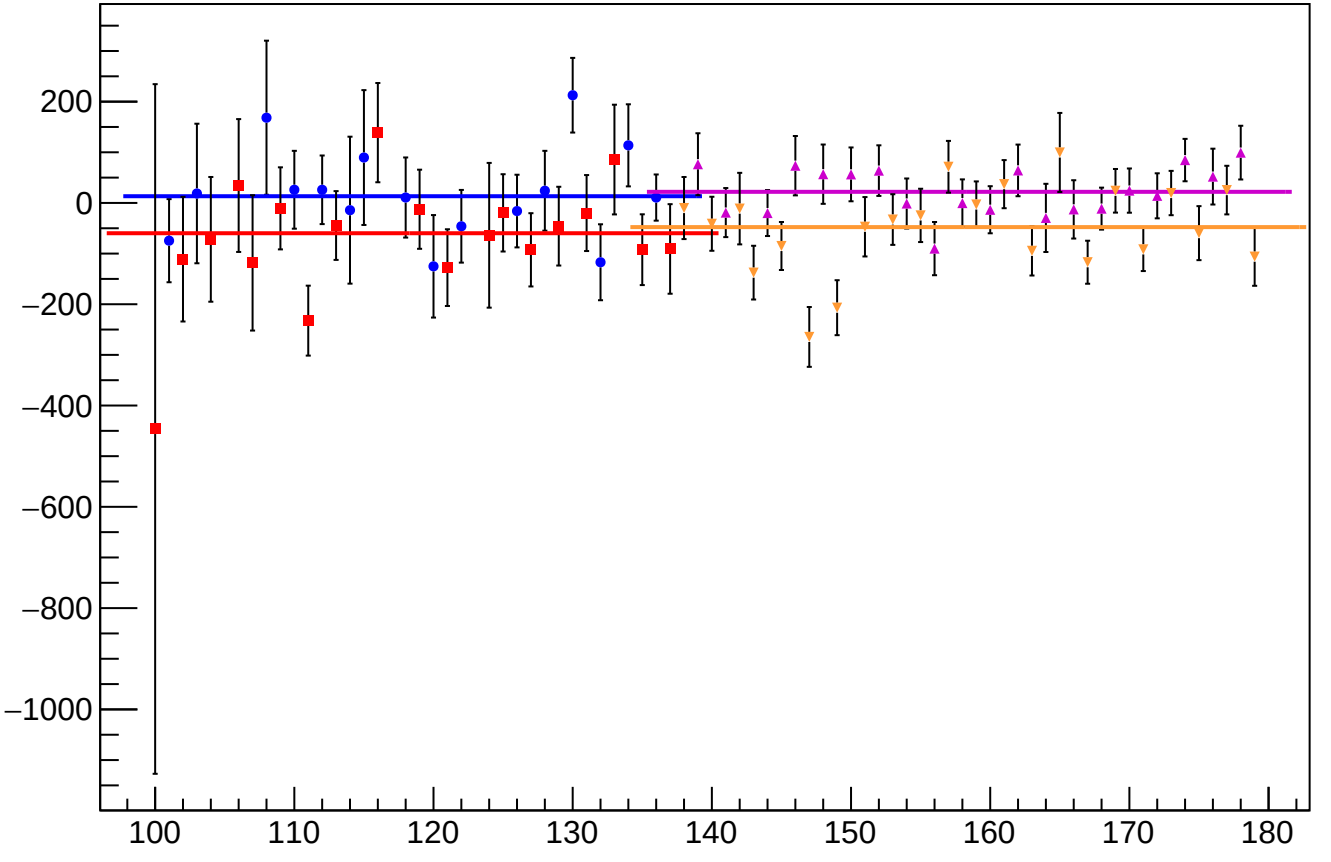
Left In: 308.999+/-0.055 χ^2/NDF:1267413.8/19

+ sign 336.434+/-0.050 χ^2/NDF: 3834007.5/37

All: 335.852+/-0.036 χ^2/NDF: 7542868.4/76

- sign 335.251+/-0.051 χ^2/NDF: 3708586.0/38

dit_asym_sam_15_37_dd_mean vs Slug



Right In: 13.266+/-19.849 χ^2/NDF: 17.2/15

Left Out: -47.722+/-10.886 χ^2/NDF:52.8/21

Right Out: -59.810+/-20.234 χ^2/NDF: 16.1/18

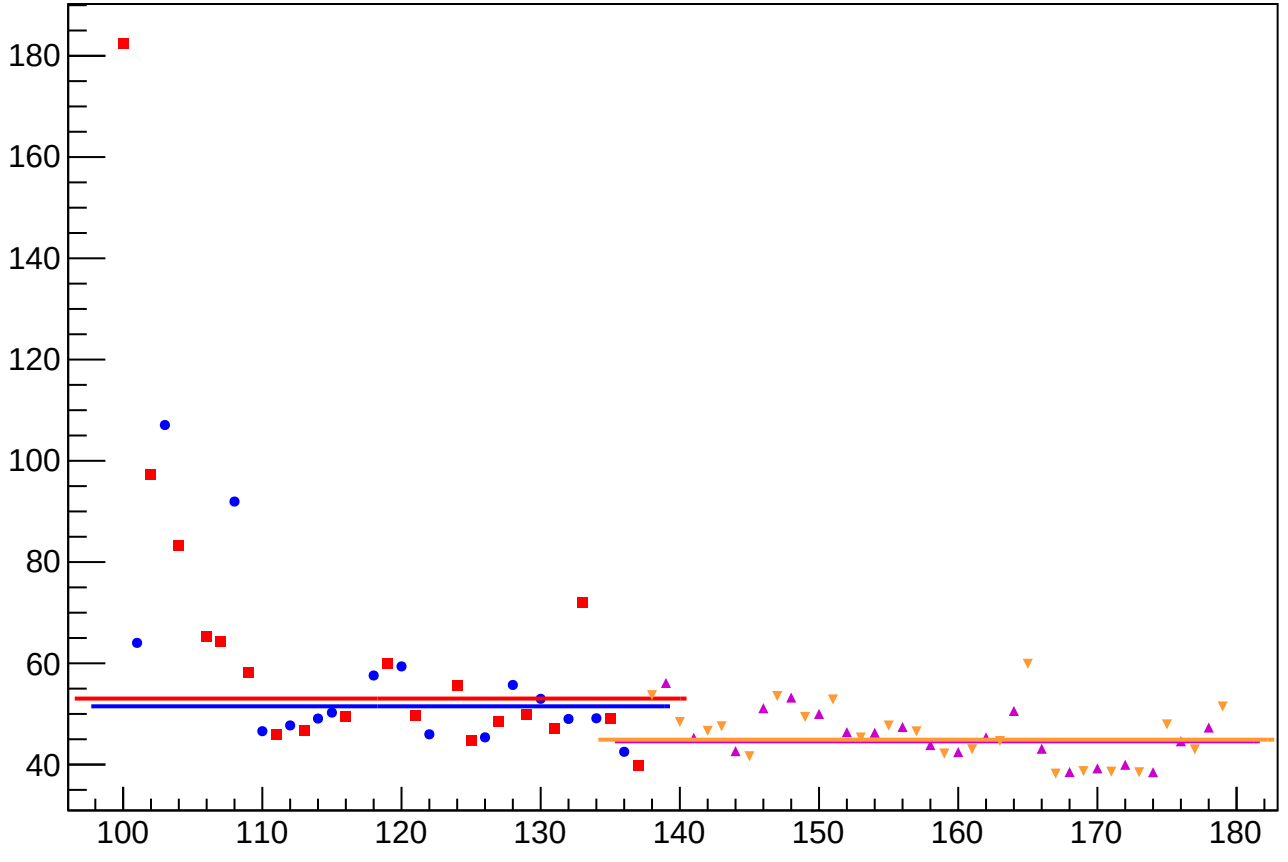
Left In: 21.942+/-11.193 χ^2/NDF:17.2/19

+ sign -33.620+/-9.545 χ^2/NDF: 77.3/37

All: -15.885+/-6.836 χ^2/NDF: 130.2/76

- sign 2.788+/-9.794 χ^2/NDF: 45.8/38

dit_asym_sam_15_37_dd_rms vs Slug



Right In: 51.506+/-0.014 χ^2/NDF: 667059.0/15

Left Out: 44.918+/-0.008 χ^2/NDF:464155.1/21

Right Out: 53.037+/-0.014 χ^2/NDF: 712908.4/18

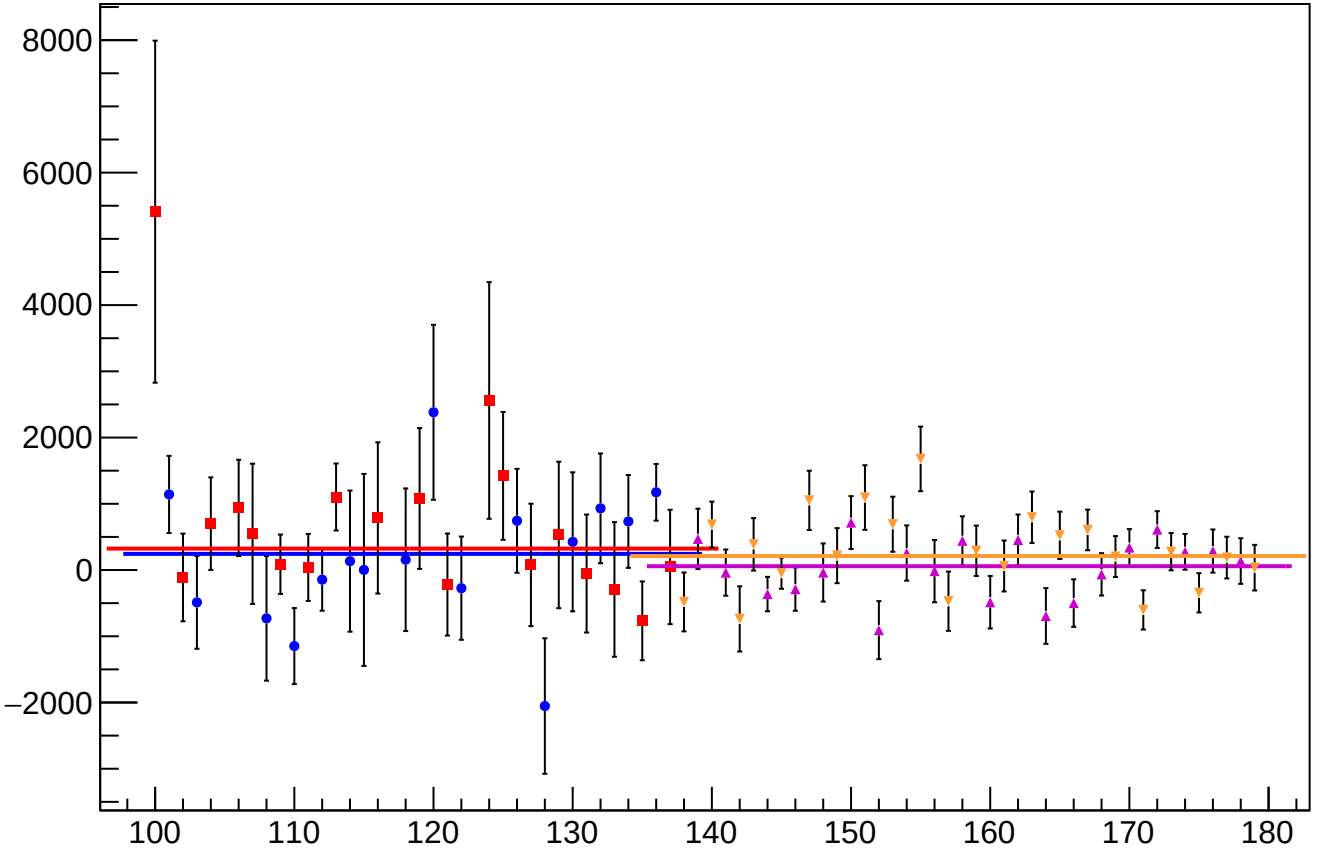
Left In: 44.581+/-0.008 χ^2/NDF:340009.5/19

+ sign 46.441+/-0.007 χ^2/NDF: 1300588.6/37

All: 46.500+/-0.005 χ^2/NDF: 2621129.3/76

- sign 46.563+/-0.007 χ^2/NDF: 1320382.5/38

asym_sam_15_37_dd_dit_correction_mean vs Slug



Right In: 243.828+/-180.872 χ^2/NDF: 25.6/15

Left Out: 211.351+/-75.589 χ^2/NDF:45.2/21

Right Out: 323.628+/-173.632 χ^2/NDF: 16.5/18

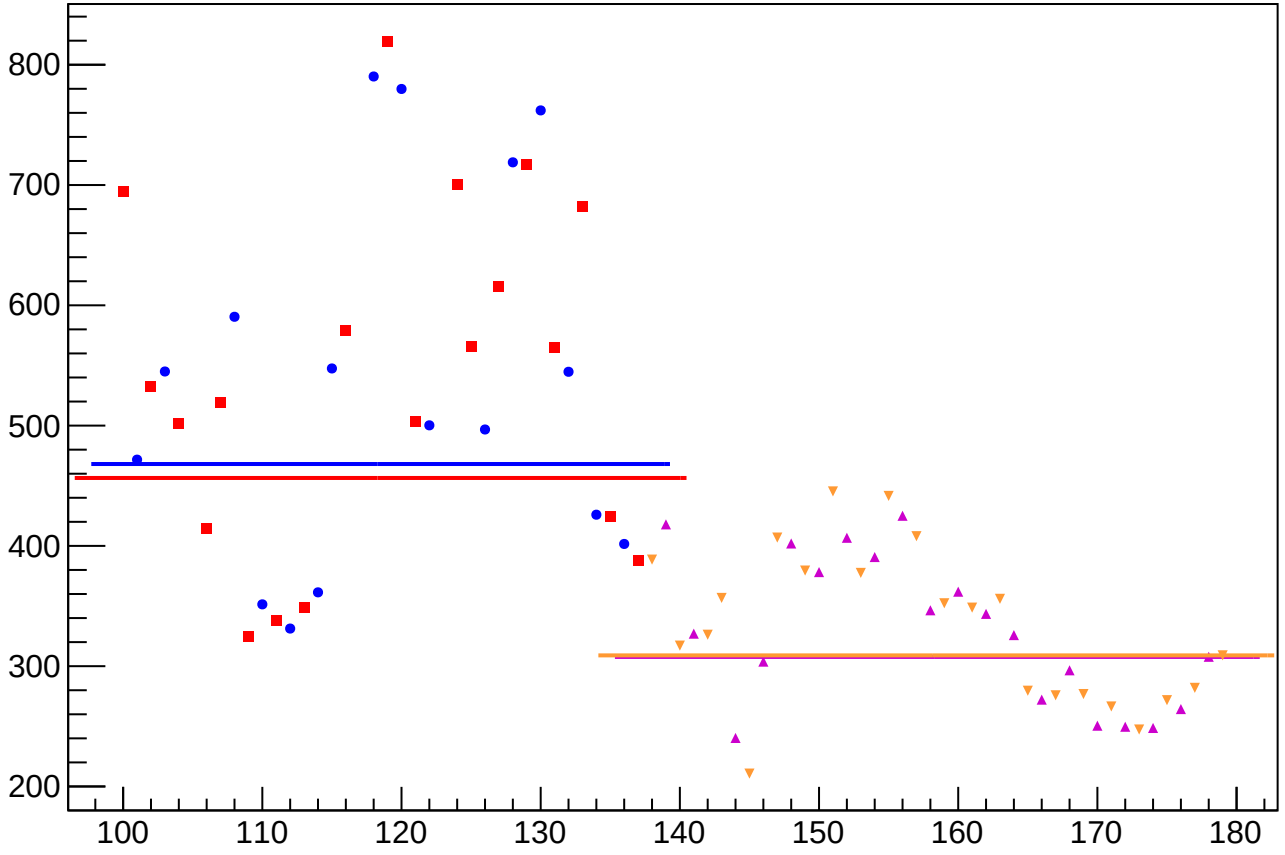
Left In: 57.894+/-77.800 χ^2/NDF:28.5/19

+ sign 216.180+/-69.744 χ^2/NDF: 70.8/37

All: 160.268+/-49.754 χ^2/NDF: 119.0/76

- sign 102.325+/-70.999 χ^2/NDF: 46.9/38

asym_sam_15_37_dd_dit_correction_rms vs Slug



Right In: 468.066+/-0.128 χ^2/NDF: 982915.0/15

Left Out: 308.977+/-0.053 χ^2/NDF:1372525.3/21

Right Out: 456.468+/-0.123 χ^2/NDF: 1082568.2/18

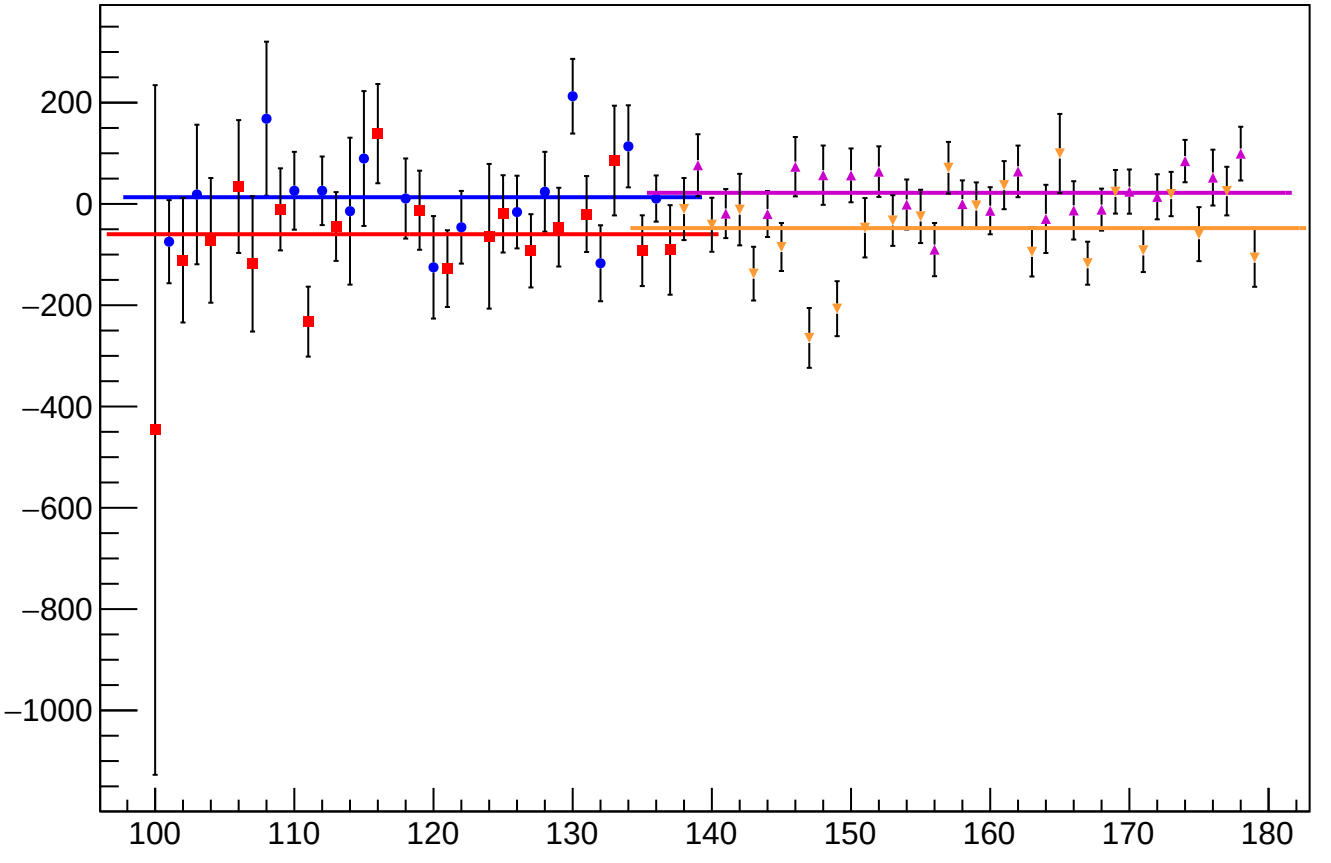
Left In: 307.680+/-0.055 χ^2/NDF:1123498.6/19

\+ sign 332.631+/-0.049 χ^2/NDF: 3672647.7/37

All: 332.595+/-0.035 χ^2/NDF: 7101769.3/76

\- sign 332.558+/-0.050 χ^2/NDF: 3429120.5/38

eigen_dit_asym_sam_15_37_dd_mean vs Slug



Right In: 13.266+/-19.849 χ^2/NDF: 17.2/15

Left Out: -47.723+/-10.886 χ^2/NDF:52.8/21

Right Out: -59.811+/-20.234 χ^2/NDF: 16.1/18

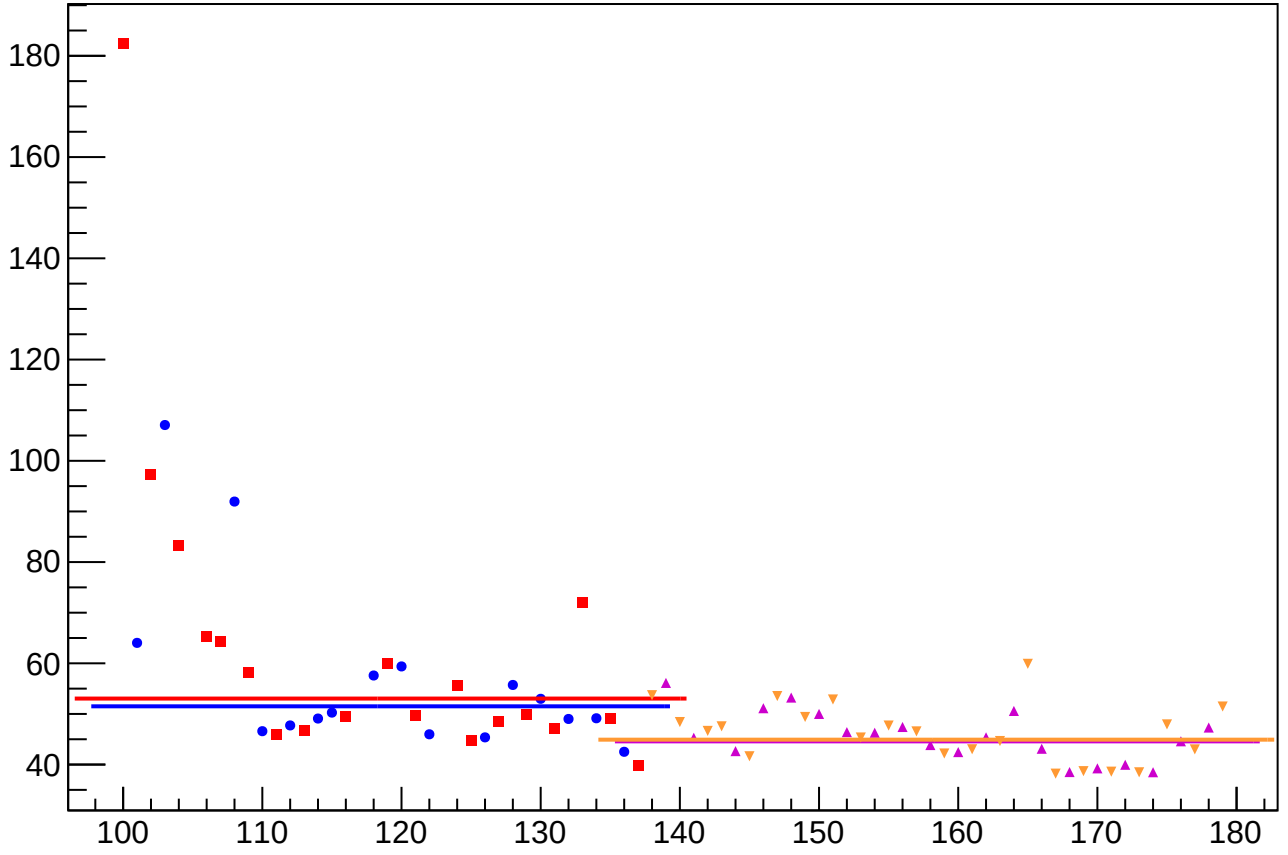
Left In: 21.942+/-11.193 χ^2/NDF:17.2/19

+ sign -33.620+/-9.545 χ^2/NDF: 77.3/37

All: -15.885+/-6.836 χ^2/NDF: 130.2/76

- sign 2.788+/-9.794 χ^2/NDF: 45.8/38

eigen_dit_asym_sam_15_37_dd_rms vs Slug



Right In: 51.506+/-0.014 χ^2/NDF: 667064.6/15

Left Out: 44.918+/-0.008 χ^2/NDF:464156.0/21

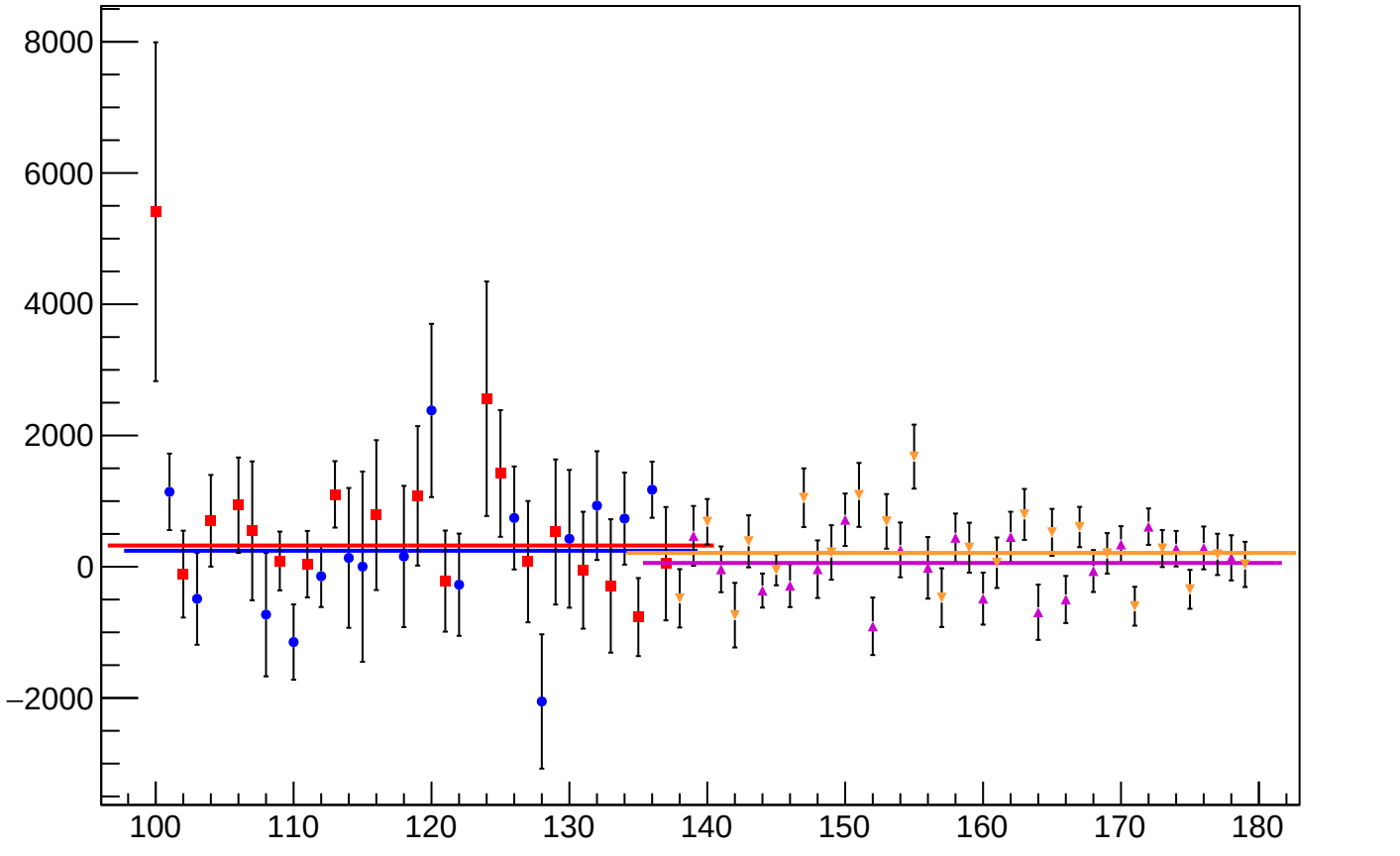
Right Out: 53.037+/-0.014 χ^2/NDF: 712918.4/18

Left In: 44.581+/-0.008 χ^2/NDF:340008.3/19

+ sign 46.441+/-0.007 χ^2/NDF: 1300595.1/37

All: 46.500+/-0.005 χ^2/NDF: 2621145.5/76

- sign 46.563+/-0.007 χ^2/NDF: 1320392.1/38



Right In: 243.826+/-180.872 χ^2/NDF: 25.6/15

Left Out: 211.352+/-75.589 χ^2/NDF:45.2/21

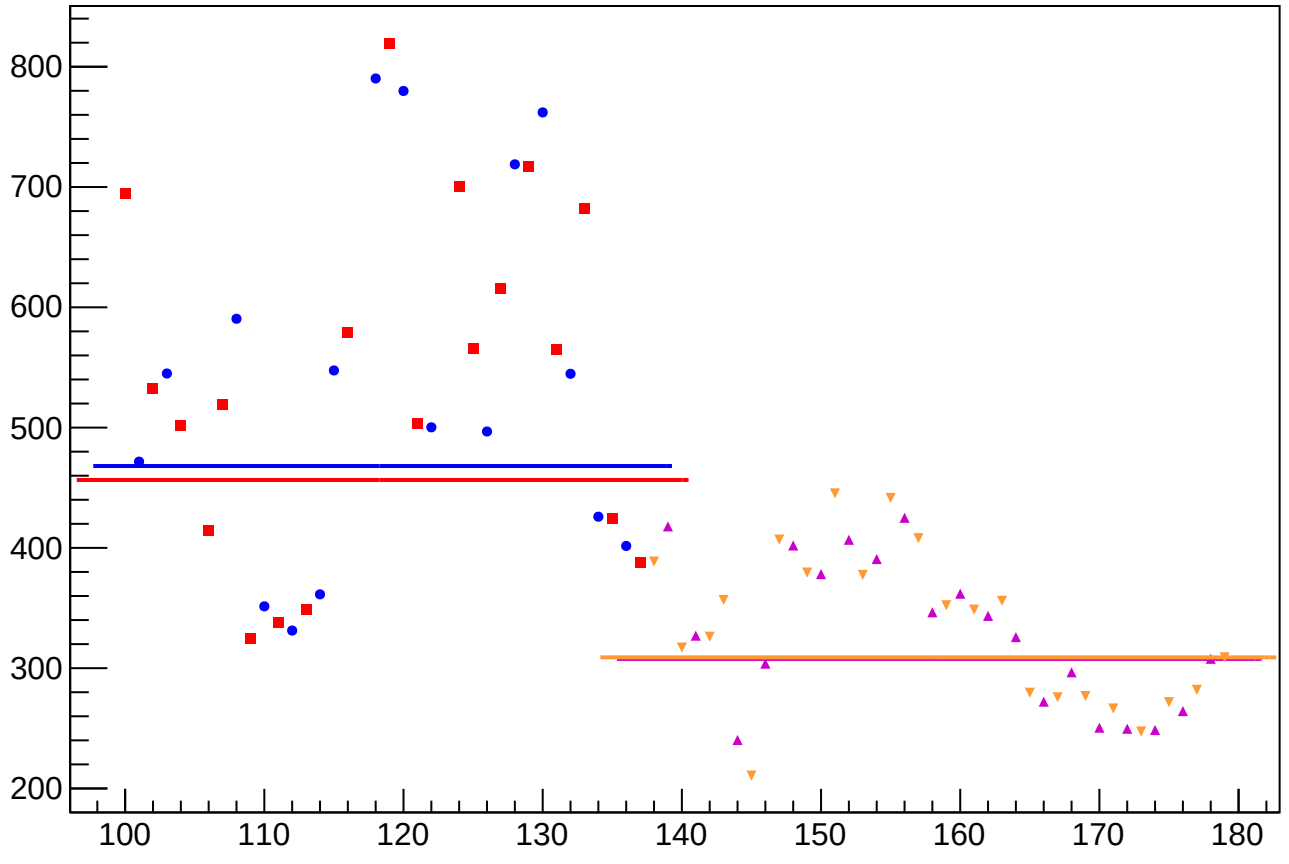
Right Out: 323.628+/-173.631 χ^2/NDF: 16.5/18

Left In: 57.893+/-77.800 χ^2/NDF:28.5/19

+ sign 216.180+/-69.744 χ^2/NDF: 70.8/37

All: 160.268+/-49.754 χ^2/NDF: 119.0/76

- sign 102.325+/-70.999 χ^2/NDF: 46.9/38



Right In: 468.065+/-0.128 χ^2/NDF: 982915.8/15

Left Out: 308.978+/-0.053 χ^2/NDF:1372522.2/21

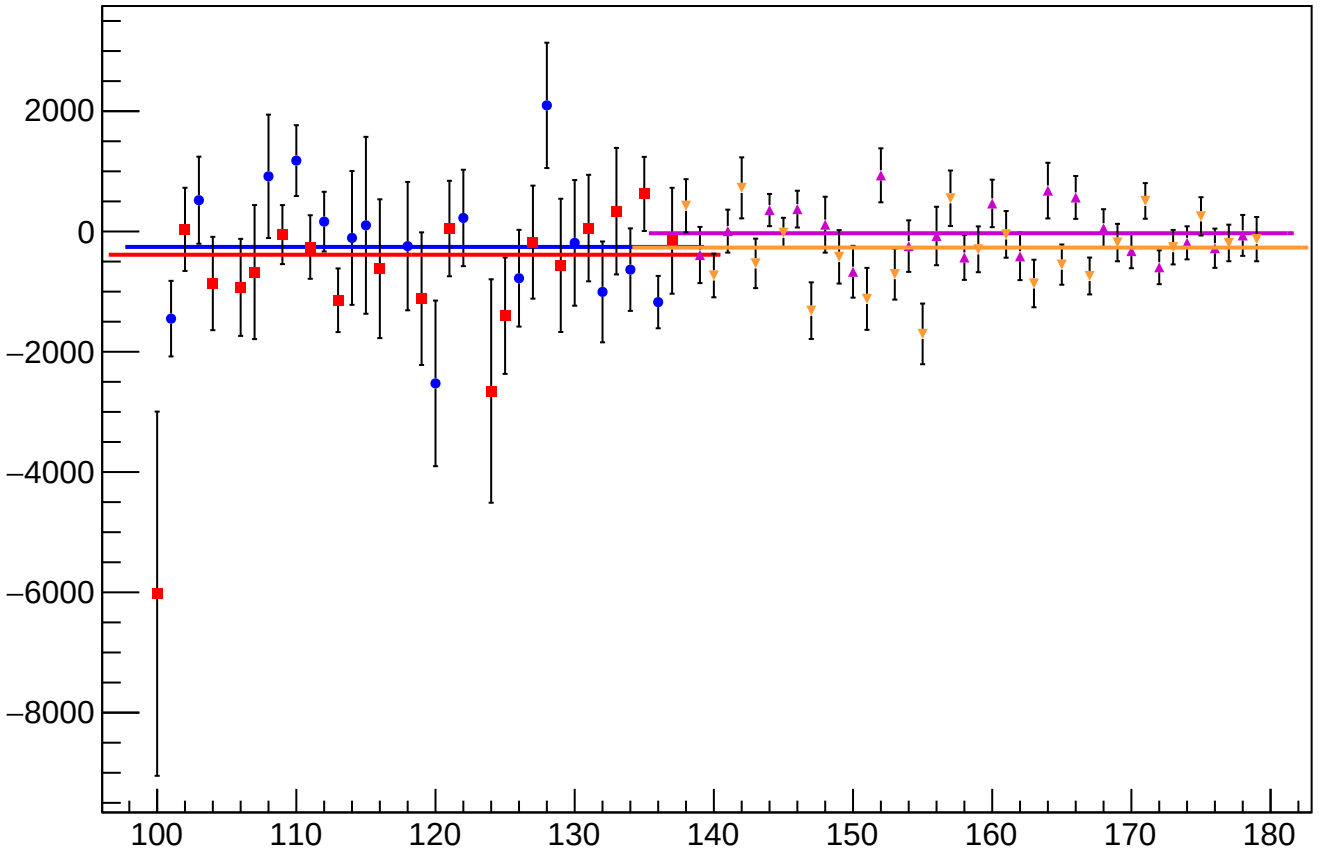
Right Out: 456.467+/-0.123 χ^2/NDF: 1082565.2/18

Left In: 307.681+/-0.055 χ^2/NDF:1123491.9/19

+ sign 332.632+/-0.049 χ^2/NDF: 3672630.2/37

All: 332.596+/-0.035 χ^2/NDF: 7101725.7/76

- sign 332.558+/-0.050 χ^2/NDF: 3429094.4/38



Right In: -256.748+/-186.462 χ^2/NDF: 26.9/15

Left Out: -267.701+/-77.238 χ^2/NDF:45.0/21

Right Out: -386.449+/-182.363 χ^2/NDF: 14.2/18

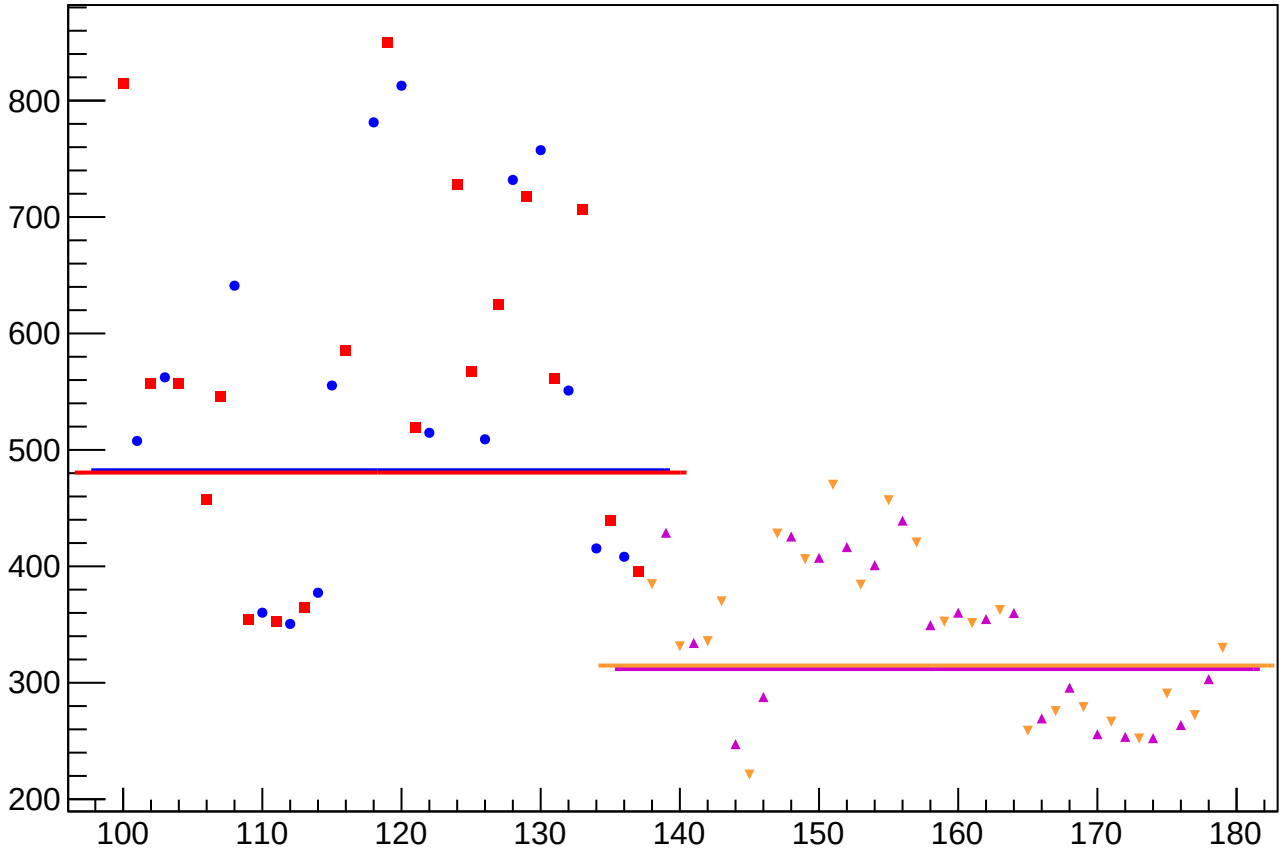
Left In: -29.183+/-78.981 χ^2/NDF:26.5/19

+ sign -266.097+/-71.358 χ^2/NDF: 71.9/37

All: -177.257+/-50.848 χ^2/NDF: 119.0/76

- sign -85.612+/-72.476 χ^2/NDF: 43.9/38

asym_sam_15_37_dd_rms vs Slug



Right In: 482.512+/-0.132 χ^2/NDF: 946526.1/15

Left Out: 314.803+/-0.055 χ^2/NDF:1459783.9/21

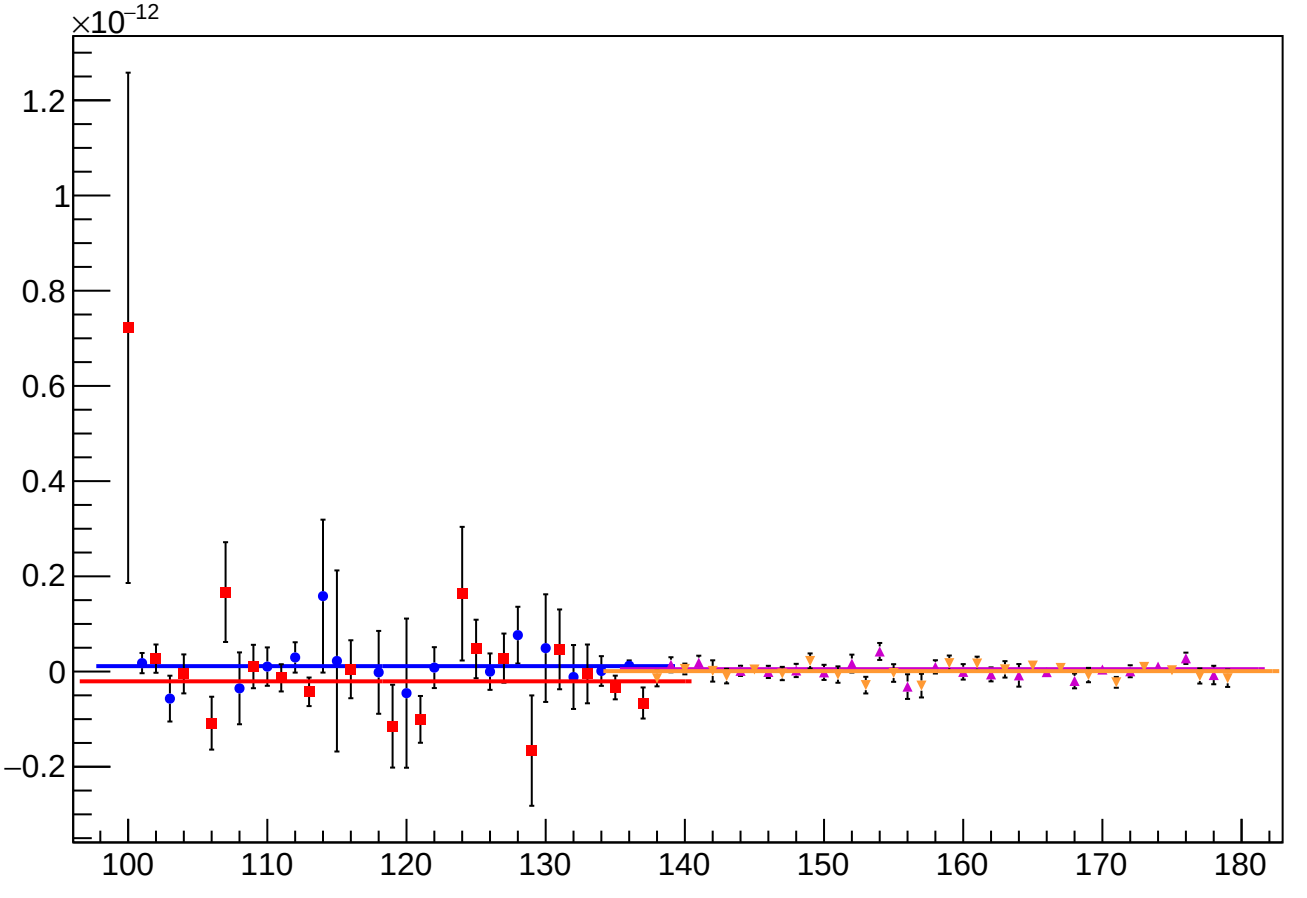
Right Out: 480.559+/-0.129 χ^2/NDF: 993796.3/18

Left In: 311.791+/-0.056 χ^2/NDF:1242548.7/19

\+ sign 339.365+/-0.050 χ^2/NDF: 3787296.3/37

All: 338.913+/-0.036 χ^2/NDF: 7466179.3/76

\- sign 338.447+/-0.051 χ^2/NDF: 3678720.1/38



Right In: 0.000+/-0.000 χ^2/NDF: 5.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.5/21

Right Out: -0.000+/-0.000 χ^2/NDF: 23.7/18

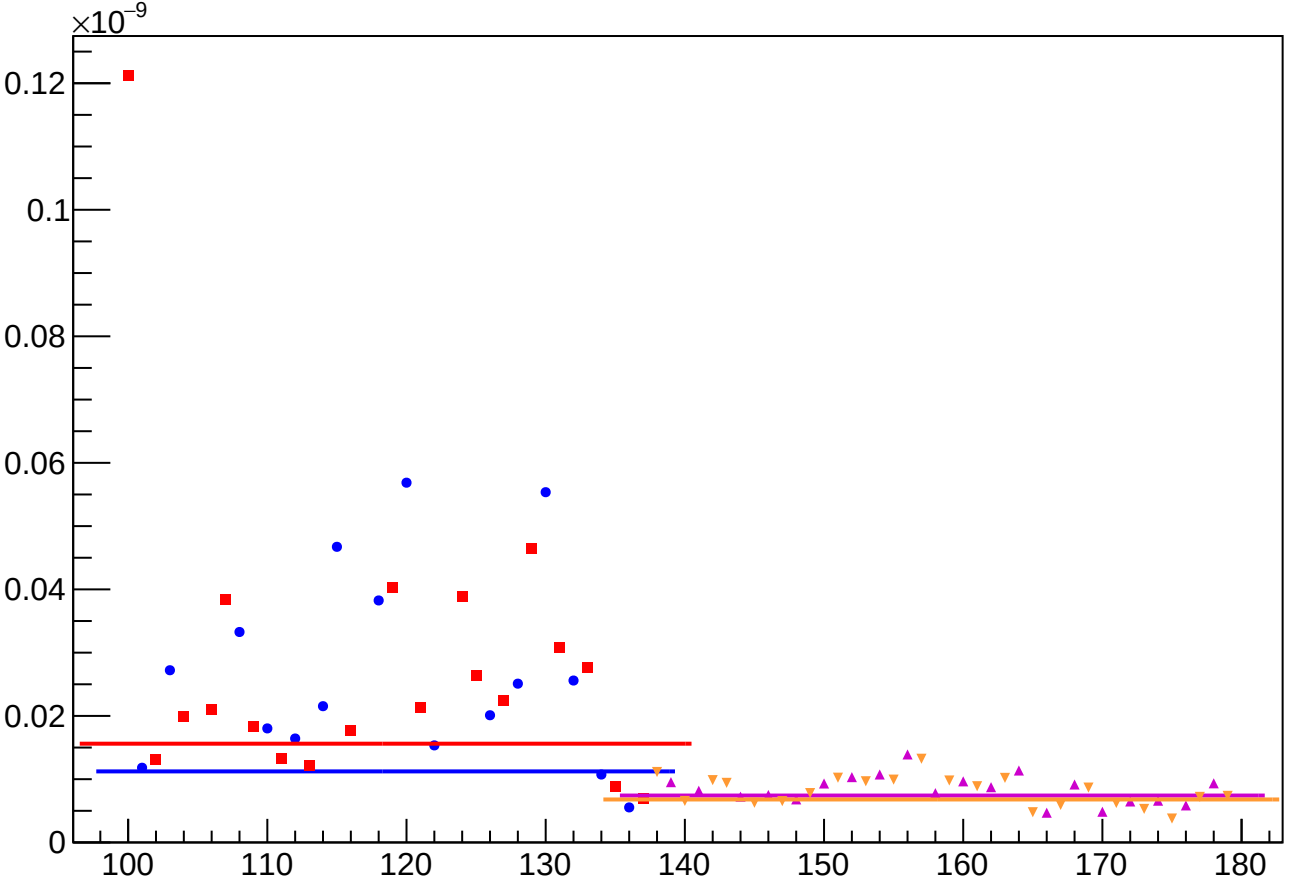
Left In: 0.000+/-0.000 χ^2/NDF:16.9/19

+ sign 0.000+/-0.000 χ^2/NDF: 25.5/37

All: 0.000+/-0.000 χ^2/NDF: 71.9/76

- sign 0.000+/-0.000 χ^2/NDF: 46.3/38

asym_sam_15_37_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2103068.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1330494.5/21

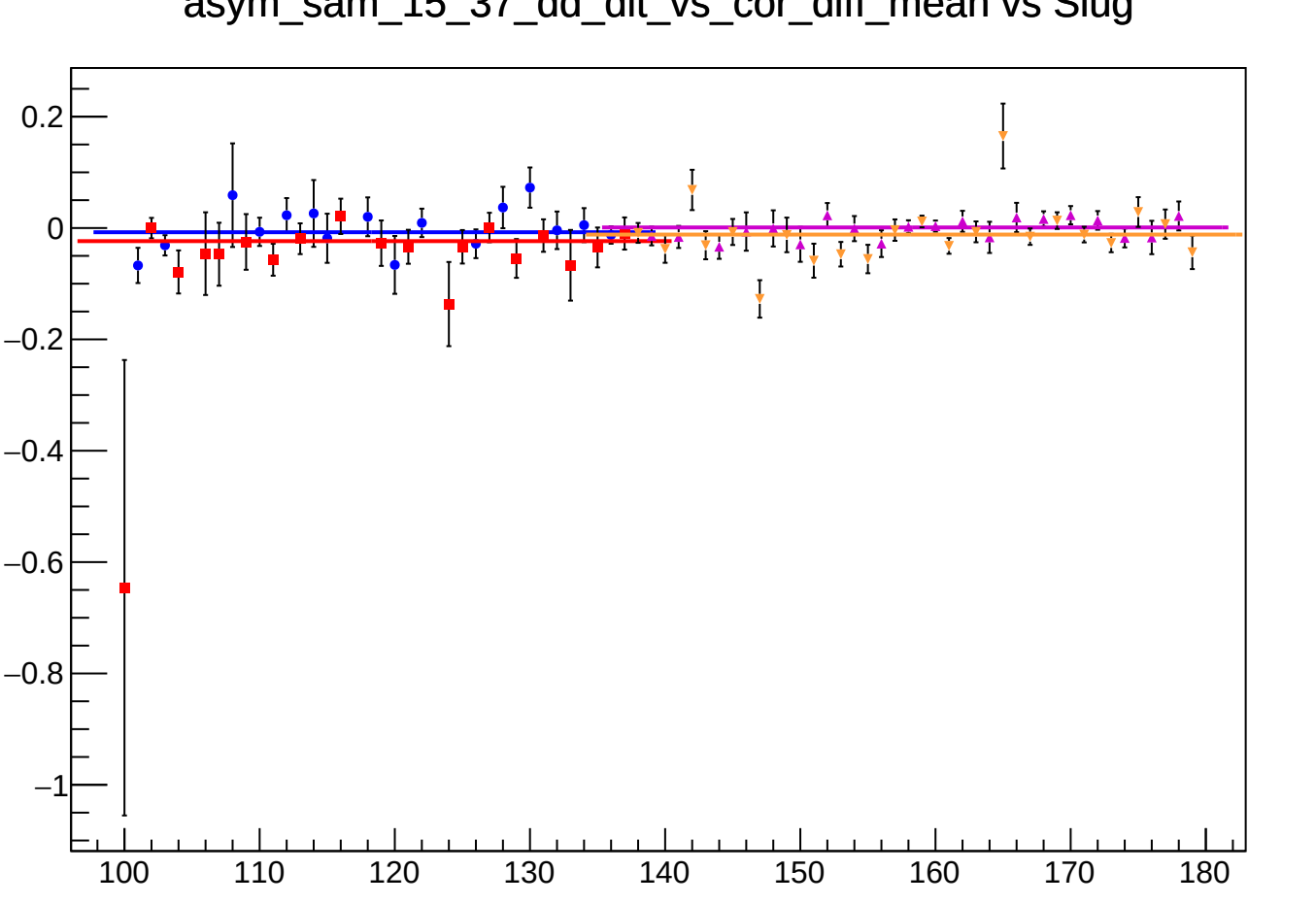
Right Out: 0.000+/-0.000 χ^2/NDF: 1184320.2/18

Left In: 0.000+/-0.000 χ^2/NDF:823557.4/19

+ sign 0.000+/-0.000 χ^2/NDF: 3984416.5/37

All: 0.000+/-0.000 χ^2/NDF: 7251399.7/76

- sign 0.000+/-0.000 χ^2/NDF: 3179843.9/38



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.012+/-0.004 χ^2/NDF:50.5/21

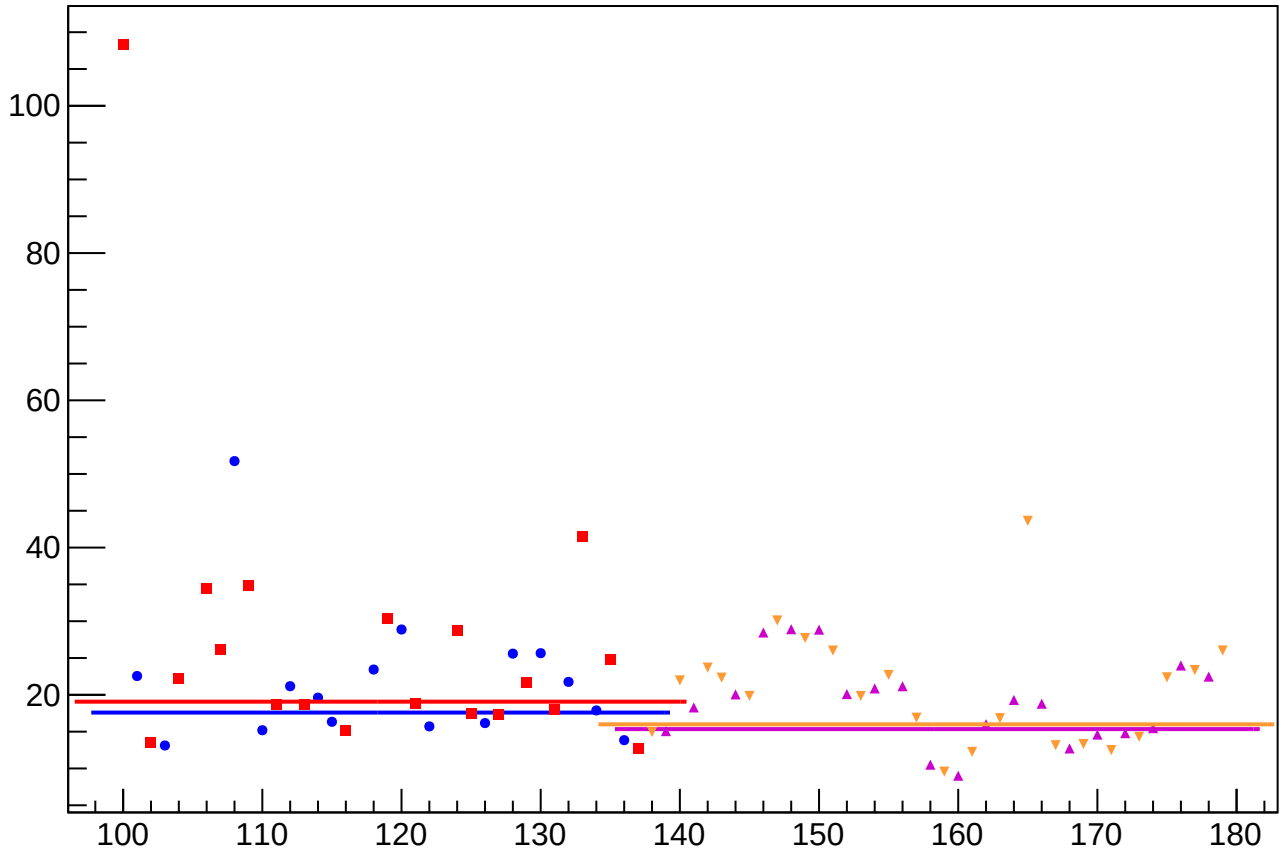
Right Out: -0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: 0.001+/-0.004 χ^2/NDF:14.6/19

+ sign -0.011+/-0.004 χ^2/NDF: 67.5/37

All: -0.008+/-0.003 χ^2/NDF: 106.1/76

- sign -0.004+/-0.004 χ^2/NDF: 37.1/38



Right In: 17.591+/-0.005 χ^2/NDF: 993249.5/15

Left Out: 15.993+/-0.003 χ^2/NDF:3573165.4/21

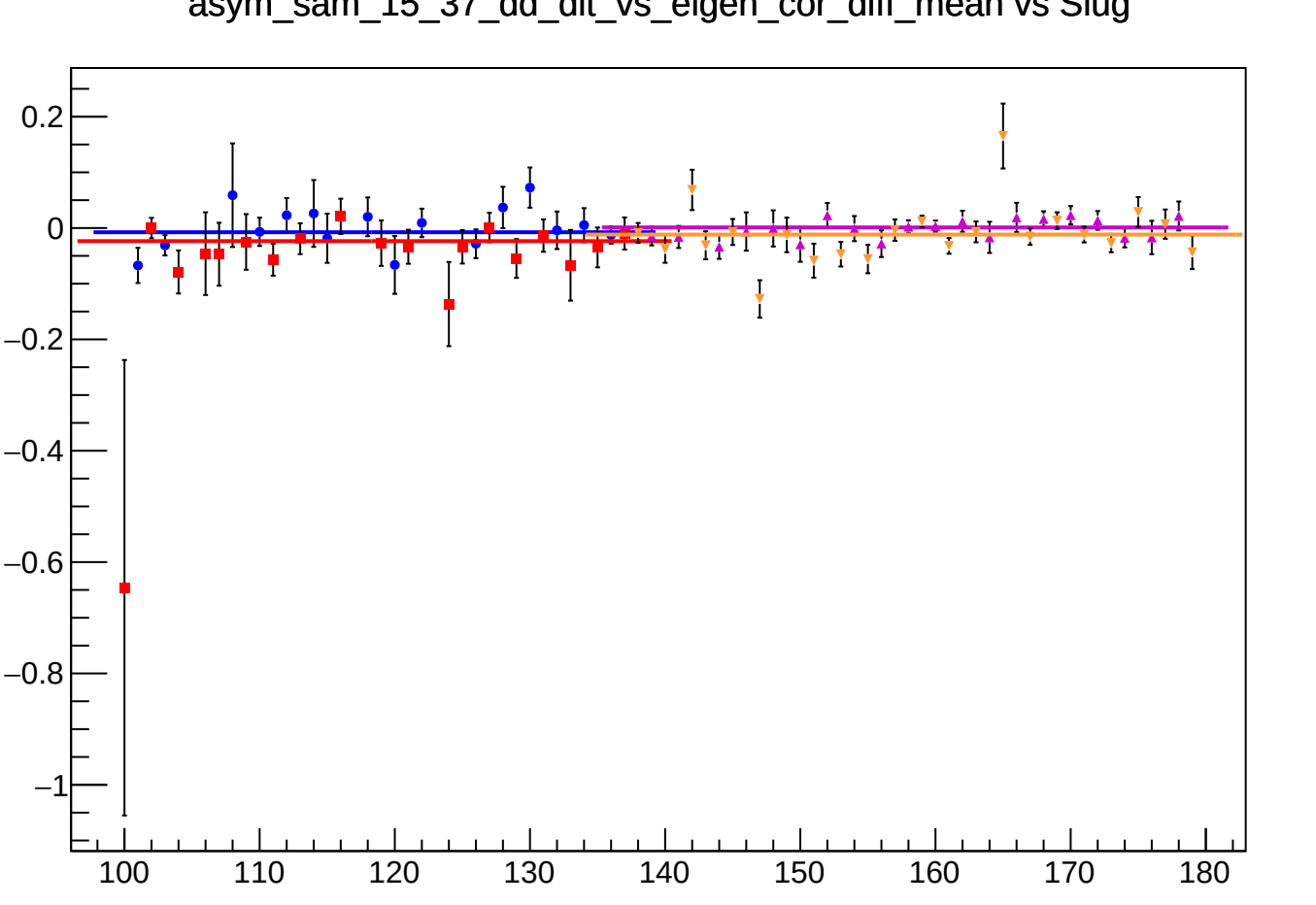
Right Out: 19.072+/-0.005 χ^2/NDF: 1247983.1/18

Left In: 15.345+/-0.003 χ^2/NDF:3099854.4/19

+ sign 16.395+/-0.003 χ^2/NDF: 4640177.8/37

All: 16.286+/-0.002 χ^2/NDF: 9352034.9/76

- sign 16.174+/-0.003 χ^2/NDF: 4708147.1/38



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.012+/-0.004 χ^2/NDF:50.5/21

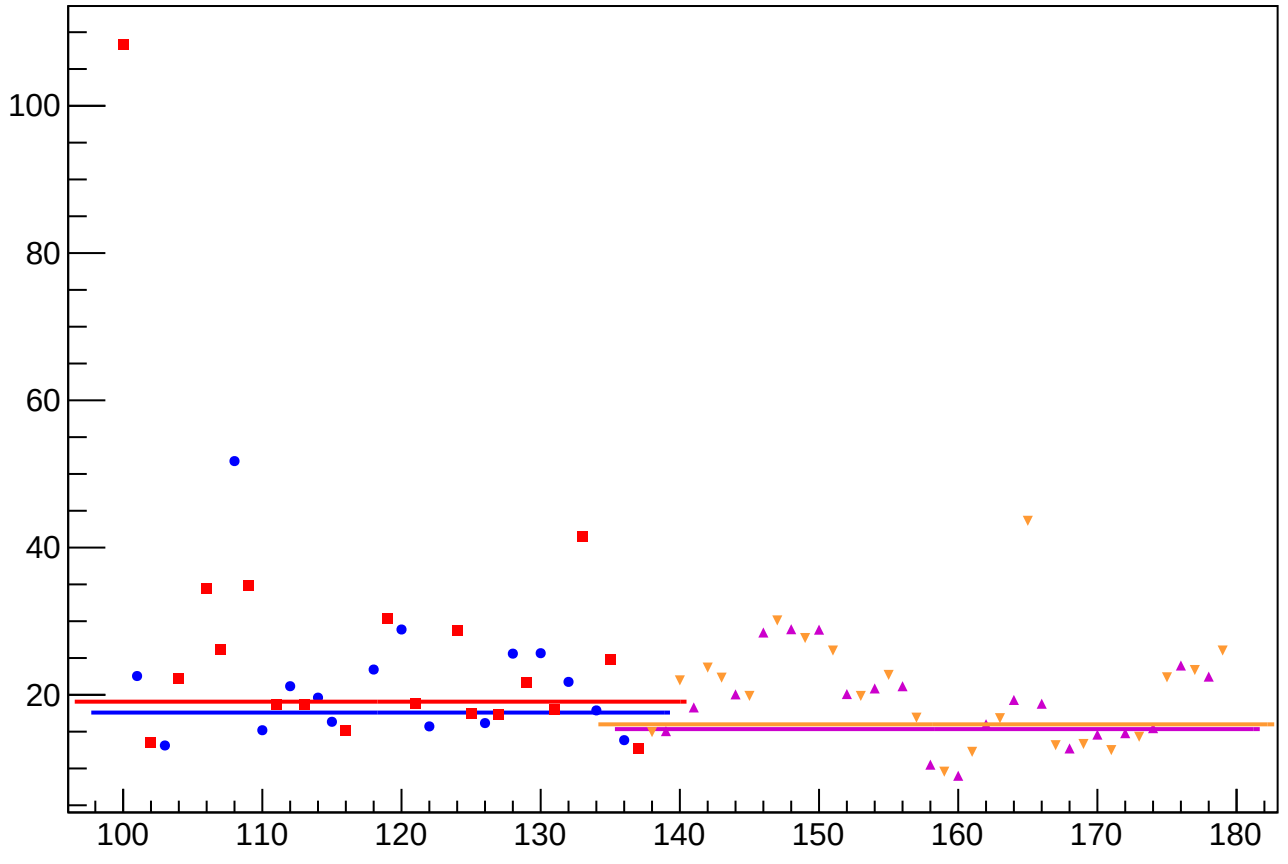
Right Out: -0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: 0.001+/-0.004 χ^2/NDF:14.6/19

+ sign -0.011+/-0.004 χ^2/NDF: 67.5/37

All: -0.008+/-0.003 χ^2/NDF: 106.1/76

- sign -0.004+/-0.004 χ^2/NDF: 37.1/38



Right In: 17.591+/-0.005 χ^2/NDF: 993249.5/15

Left Out: 15.993+/-0.003 χ^2/NDF:3573165.4/21

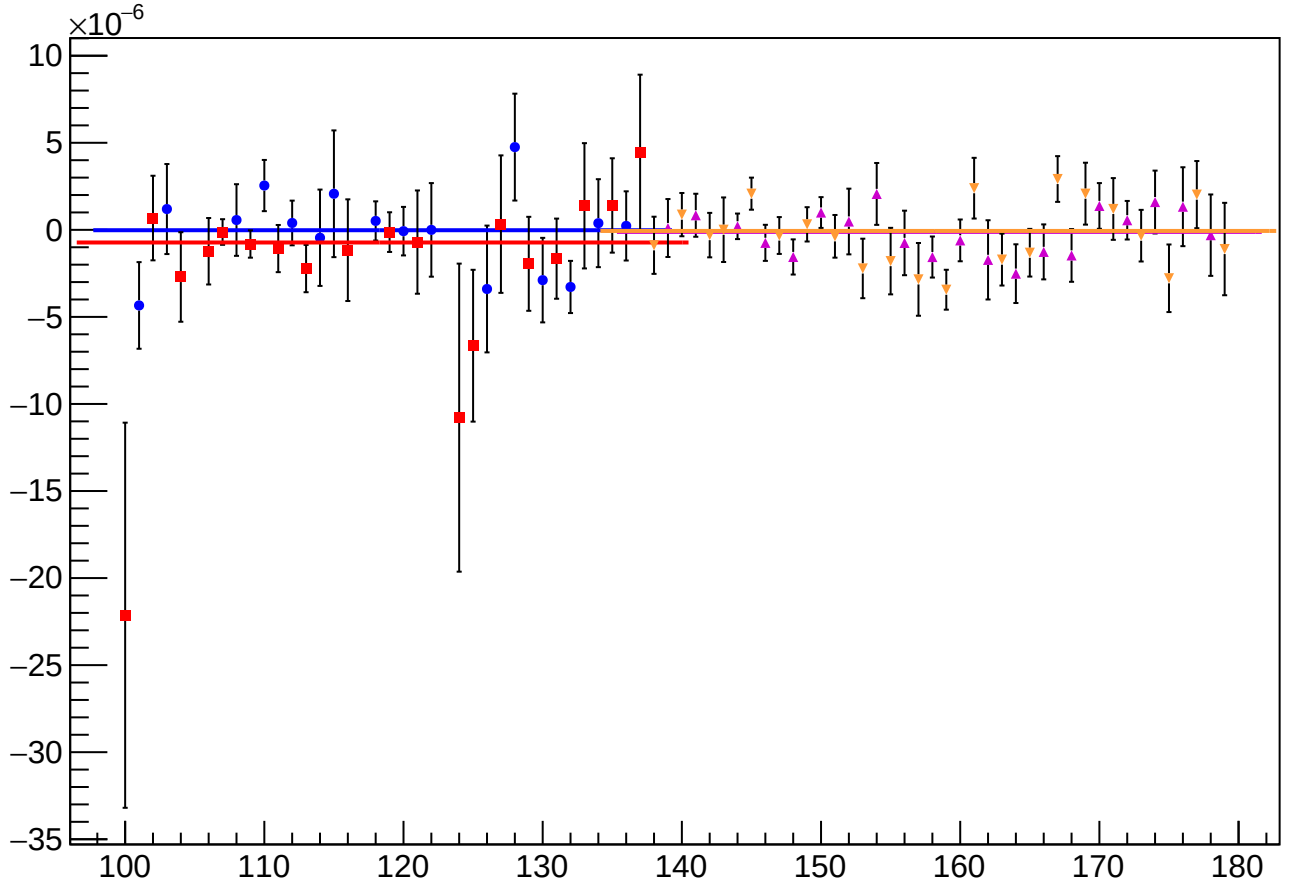
Right Out: 19.072+/-0.005 χ^2/NDF: 1247983.1/18

Left In: 15.345+/-0.003 χ^2/NDF:3099854.4/19

+ sign 16.395+/-0.003 χ^2/NDF: 4640177.8/37

All: 16.286+/-0.002 χ^2/NDF: 9352034.9/76

- sign 16.174+/-0.003 χ^2/NDF: 4708147.1/38



Right In: -0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:33.9/21

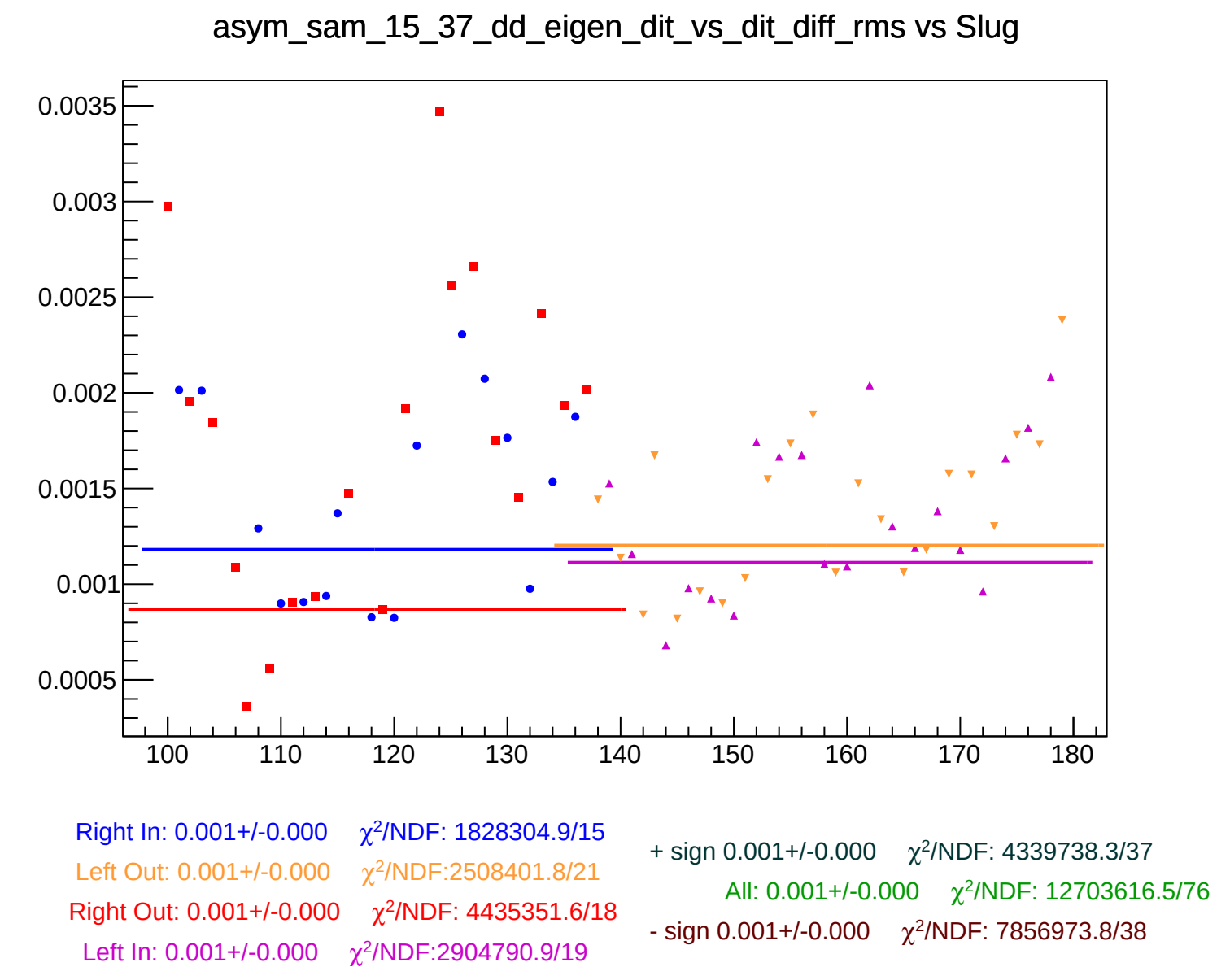
Right Out: -0.000+/-0.000 χ^2/NDF: 12.9/18

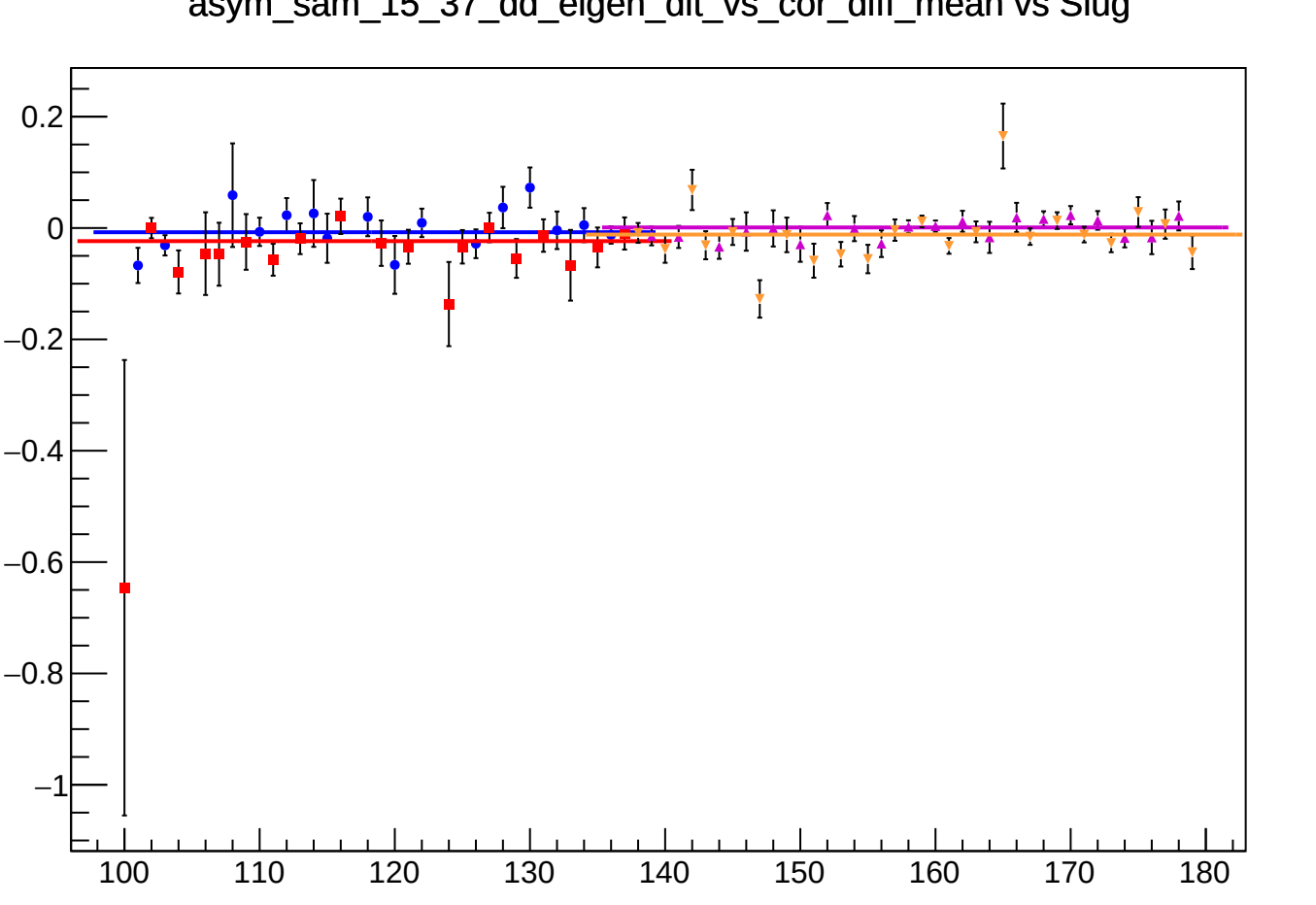
Left In: -0.000+/-0.000 χ^2/NDF:15.0/19

+ sign -0.000+/-0.000 χ^2/NDF: 50.4/37

All: -0.000+/-0.000 χ^2/NDF: 80.6/76

- sign -0.000+/-0.000 χ^2/NDF: 29.5/38


asym_sam_15_37_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
150
160
170
180
Right In: 0.001+/-0.000 χ²/NDF: 1828304.9/15
Left Out: 0.001+/-0.000 χ²/NDF:2508401.8/21
Right Out: 0.001+/-0.000 χ²/NDF: 4435351.6/18
Left In: 0.001+/-0.000 χ²/NDF:2904790.9/19
+ sign 0.001+/-0.000 χ²/NDF: 4339738.3/37
All: 0.001+/-0.000 χ²/NDF: 12703616.5/76
- sign 0.001+/-0.000 χ²/NDF: 7856973.8/38



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.012+/-0.004 χ^2/NDF:50.5/21

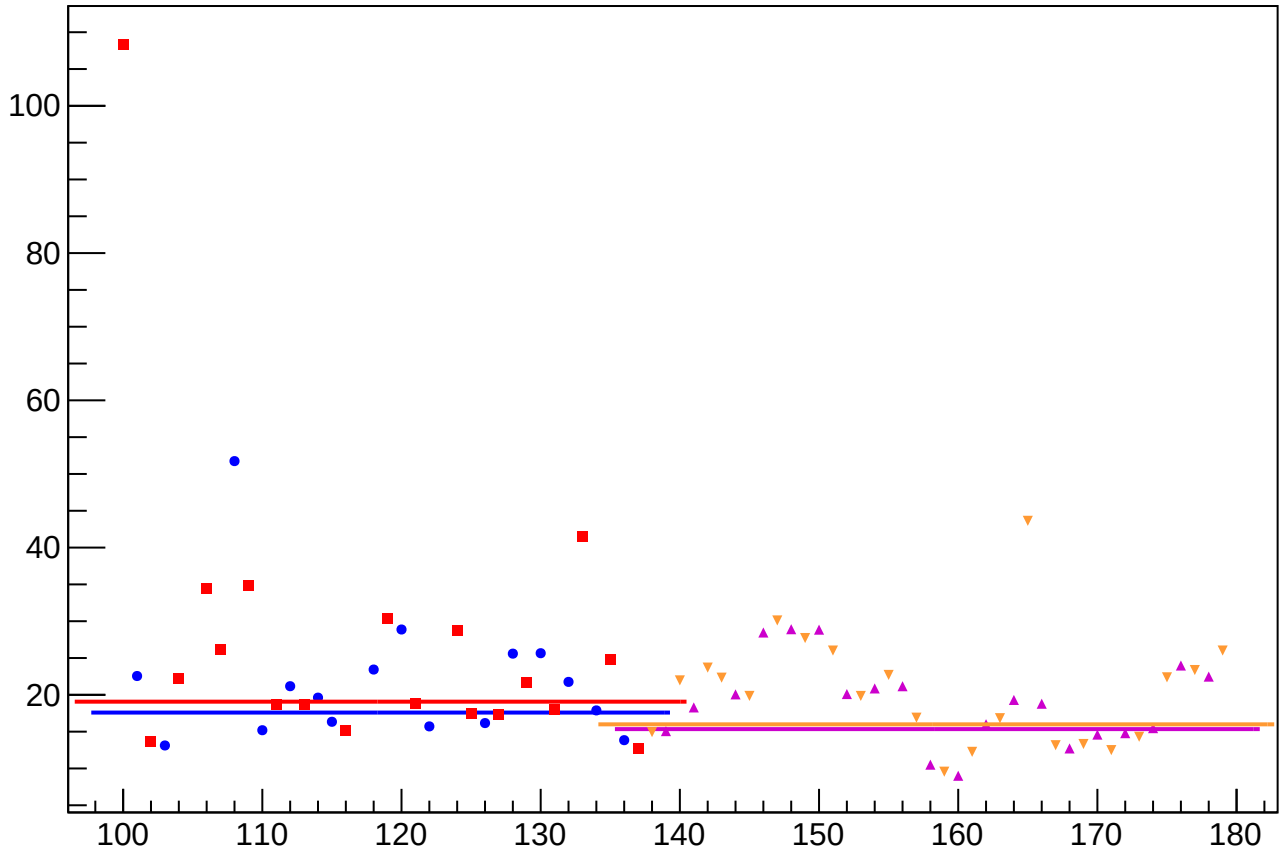
Right Out: -0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: 0.001+/-0.004 χ^2/NDF:14.6/19

+ sign -0.011+/-0.004 χ^2/NDF: 67.5/37

All: -0.008+/-0.003 χ^2/NDF: 106.1/76

- sign -0.004+/-0.004 χ^2/NDF: 37.1/38



Right In: 17.591+/-0.005 χ^2/NDF: 993288.6/15

Left Out: 15.992+/-0.003 χ^2/NDF:3573420.3/21

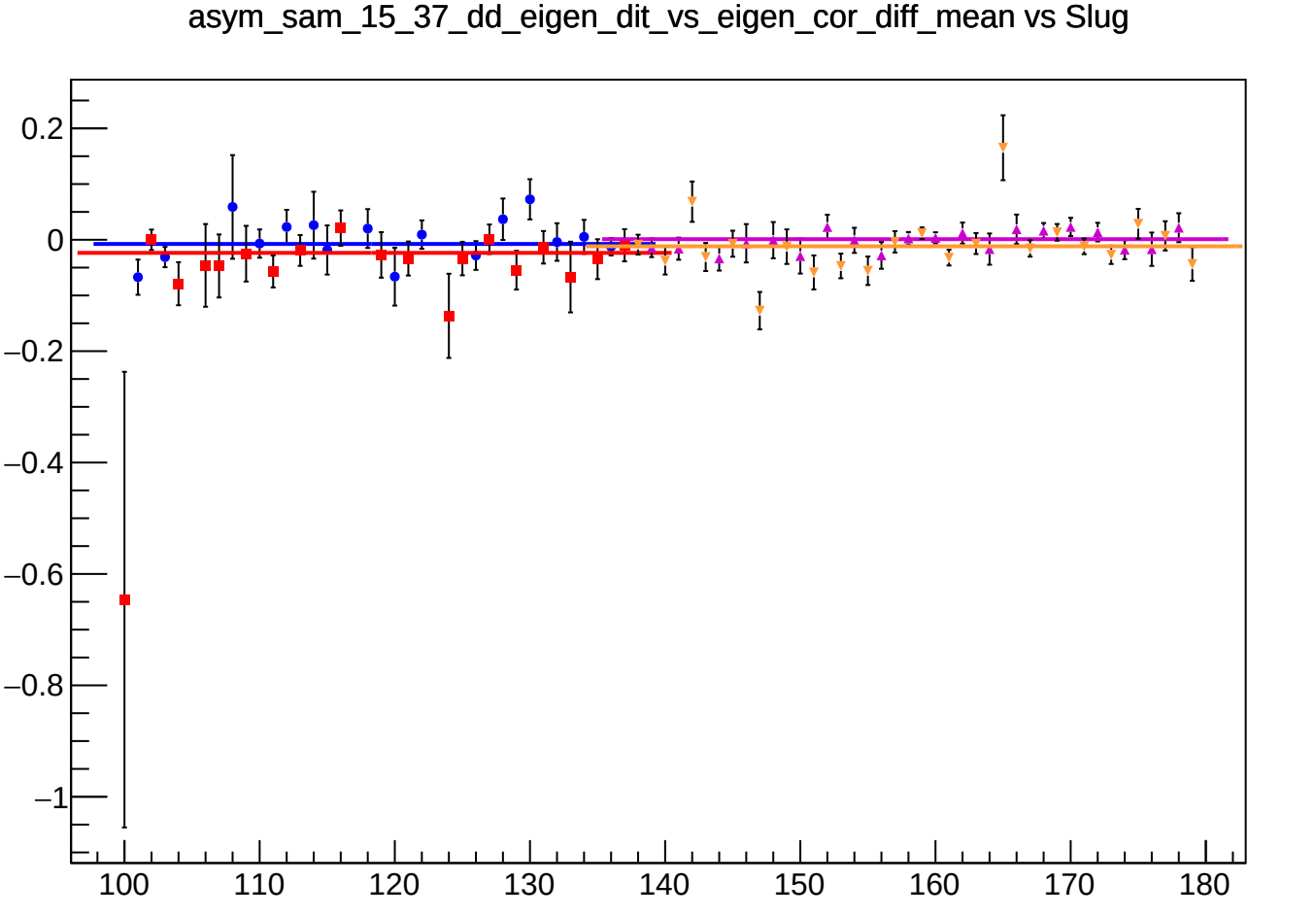
Right Out: 19.072+/-0.005 χ^2/NDF: 1247904.7/18

Left In: 15.344+/-0.003 χ^2/NDF:3100174.4/19

+ sign 16.395+/-0.003 χ^2/NDF: 4640495.5/37

All: 16.286+/-0.002 χ^2/NDF: 9352708.2/76

- sign 16.174+/-0.003 χ^2/NDF: 4708502.0/38



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.012+/-0.004 χ^2/NDF:50.5/21

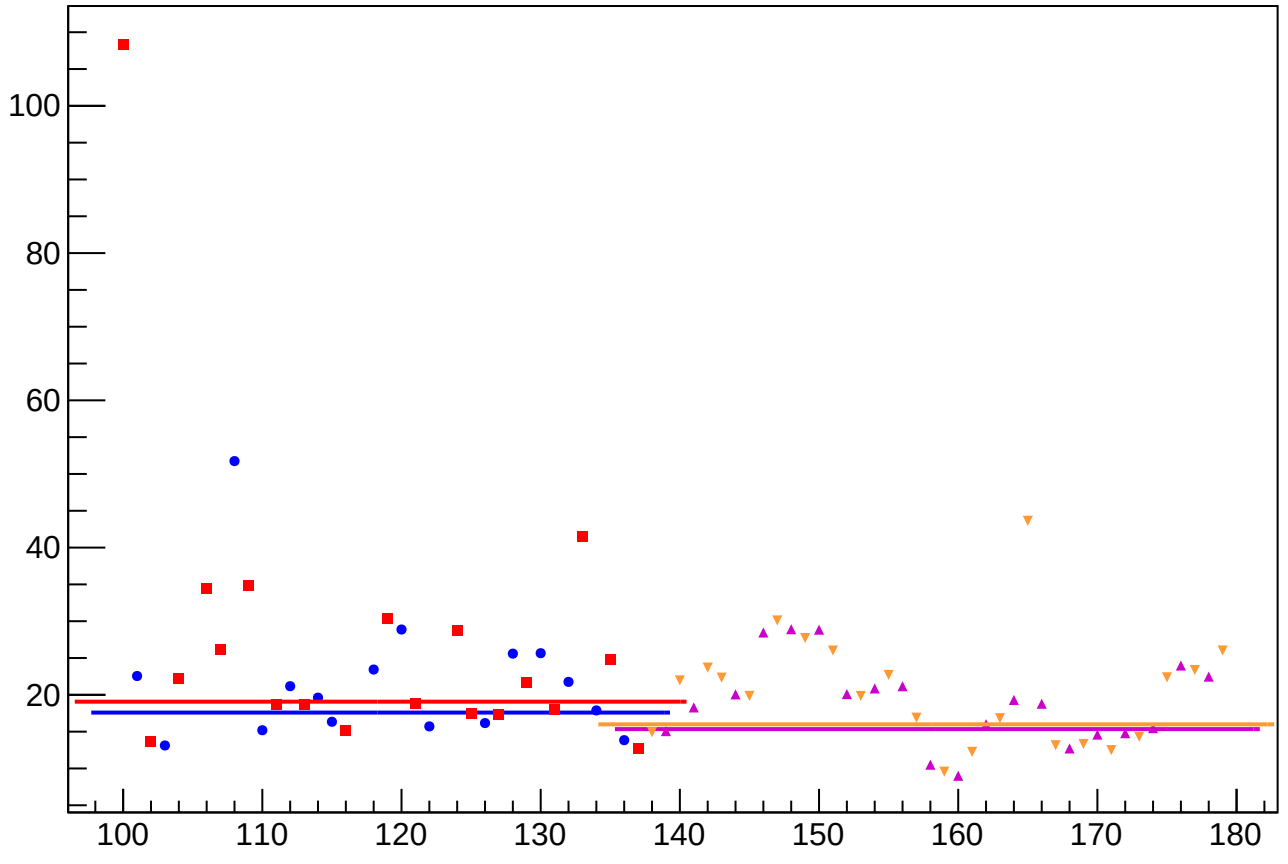
Right Out: -0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: 0.001+/-0.004 χ^2/NDF:14.6/19

+ sign -0.011+/-0.004 χ^2/NDF: 67.5/37

All: -0.008+/-0.003 χ^2/NDF: 106.1/76

- sign -0.004+/-0.004 χ^2/NDF: 37.1/38



Right In: 17.591+/-0.005 χ^2/NDF: 993288.6/15

Left Out: 15.992+/-0.003 χ^2/NDF:3573420.3/21

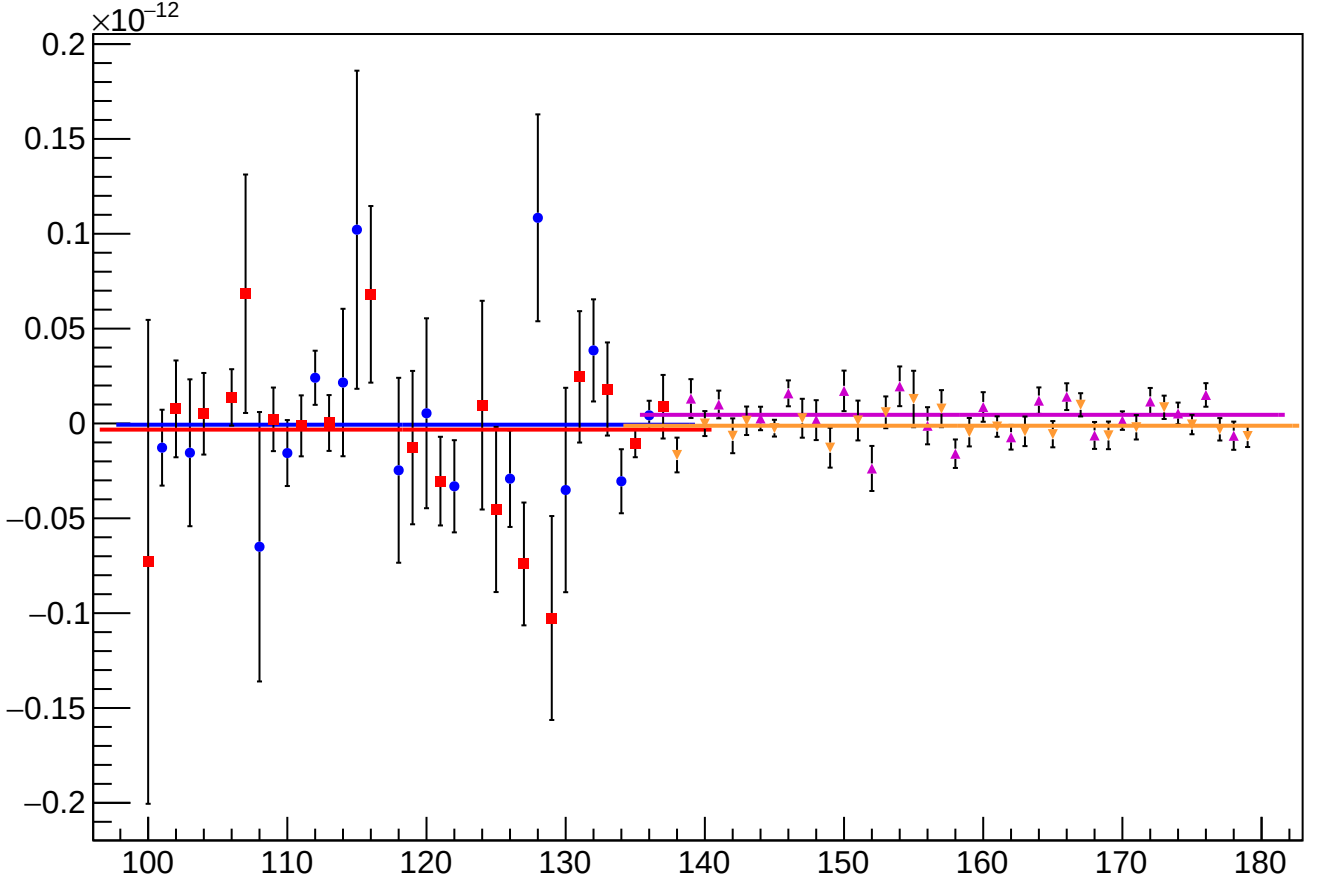
Right Out: 19.072+/-0.005 χ^2/NDF: 1247904.7/18

Left In: 15.344+/-0.003 χ^2/NDF:3100174.4/19

+ sign 16.395+/-0.003 χ^2/NDF: 4640495.5/37

All: 16.286+/-0.002 χ^2/NDF: 9352708.2/76

- sign 16.174+/-0.003 χ^2/NDF: 4708502.0/38



Right In: -0.000+/-0.000 χ^2/NDF: 20.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.3/21

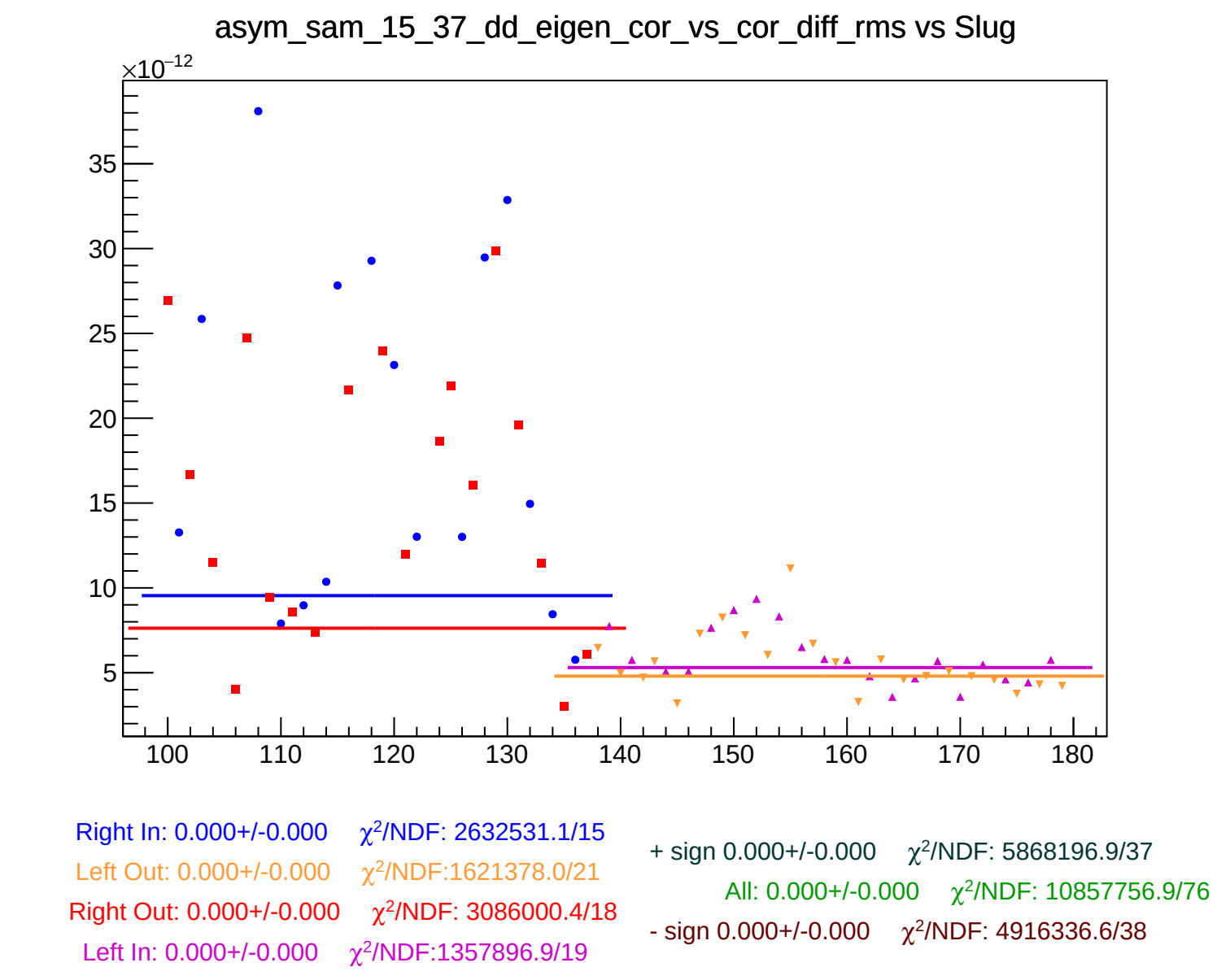
Right Out: -0.000+/-0.000 χ^2/NDF: 19.2/18

Left In: 0.000+/-0.000 χ^2/NDF:36.5/19

+ sign -0.000+/-0.000 χ^2/NDF: 35.6/37

All: 0.000+/-0.000 χ^2/NDF: 99.1/76

- sign 0.000+/-0.000 χ^2/NDF: 58.3/38


asym_sam_15_37_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
35
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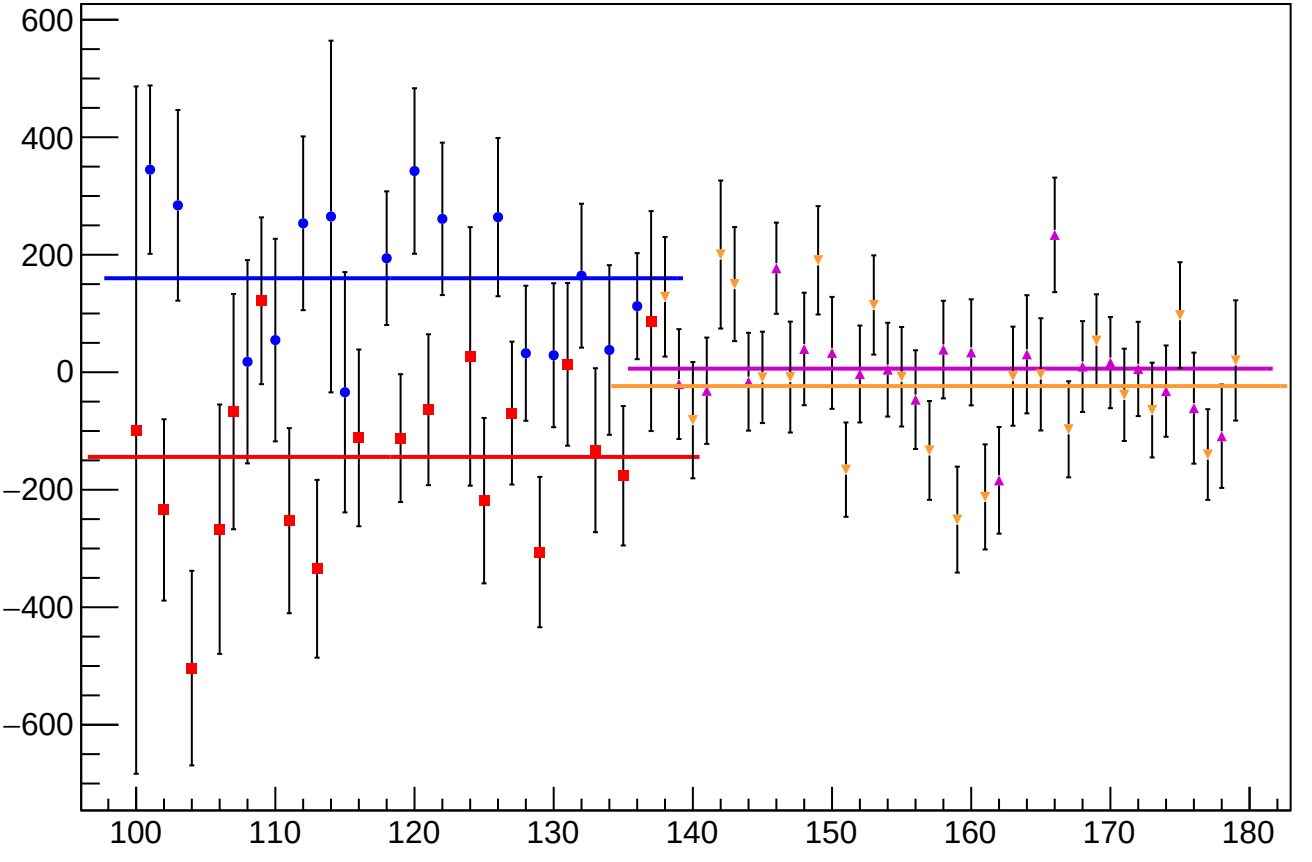
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2632531.1/15
Left Out: 0.000+/-0.000 χ²/NDF:1621378.0/21
Right Out: 0.000+/-0.000 χ²/NDF: 3086000.4/18
Left In: 0.000+/-0.000 χ²/NDF:1357896.9/19
+ sign 0.000+/-0.000 χ²/NDF: 5868196.9/37
All: 0.000+/-0.000 χ²/NDF: 10857756.9/76
- sign 0.000+/-0.000 χ²/NDF: 4916336.6/38

reg_asym_sam_24_68_dd_mean vs Slug



Right In: 160.024+/-34.170 χ^2/NDF: 11.1/15

Left Out: -23.572+/-18.733 χ^2/NDF:39.1/21

Right Out: -144.117+/-34.213 χ^2/NDF: 17.4/18

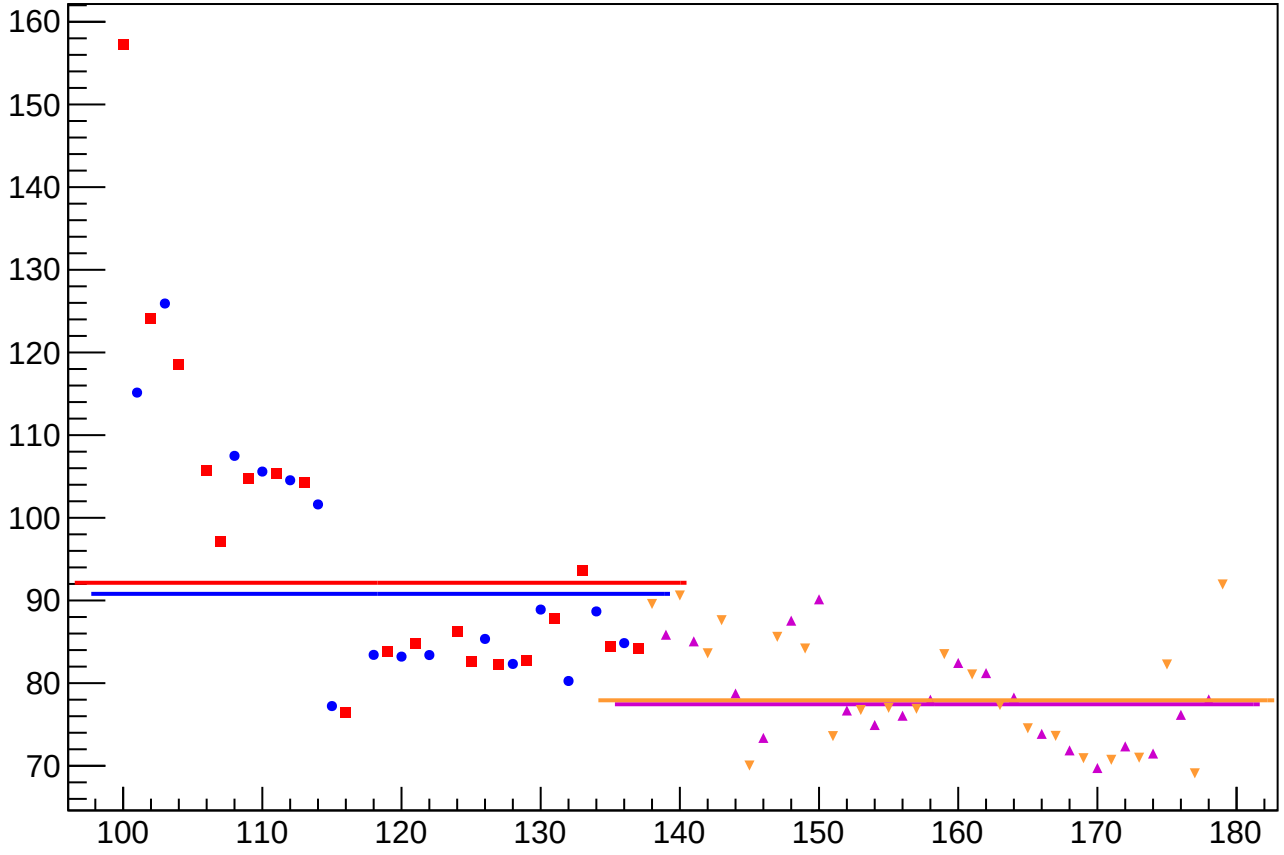
Left In: 6.149+/-19.245 χ^2/NDF:18.4/19

+ sign 18.857+/-16.426 χ^2/NDF: 72.4/37

All: -5.045+/-11.736 χ^2/NDF: 127.2/76

- sign -29.969+/-16.774 χ^2/NDF: 50.4/38

reg_asym_sam_24_68_dd_rms vs Slug



Right In: 90.802+/-0.024 χ^2/NDF: 272755.2/15

Left Out: 77.925+/-0.013 χ^2/NDF:266824.7/21

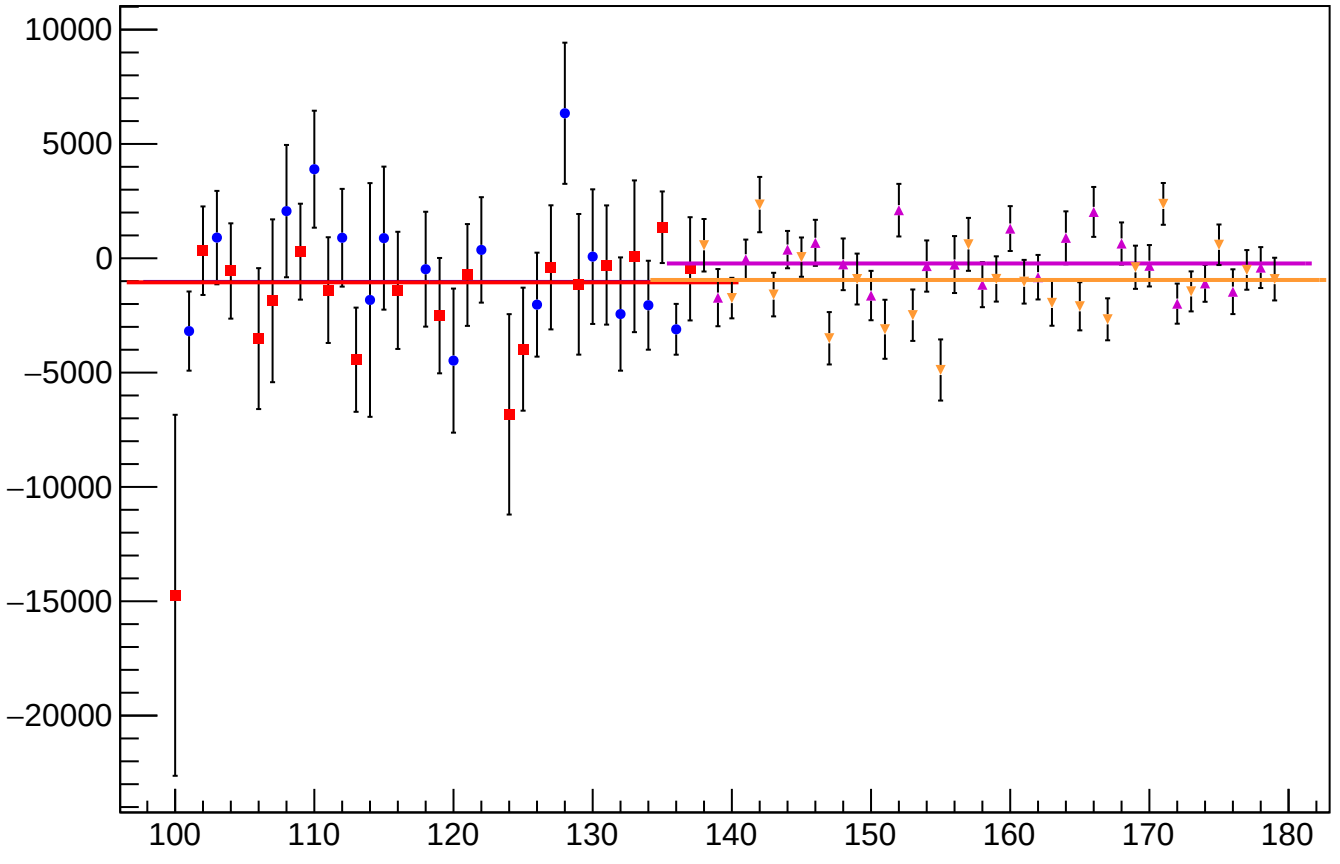
Right Out: 92.141+/-0.024 χ^2/NDF: 302032.4/18

Left In: 77.447+/-0.014 χ^2/NDF:159763.4/19

+ sign 80.901+/-0.012 χ^2/NDF: 757974.2/37

All: 80.939+/-0.008 χ^2/NDF: 1500050.2/76

- sign 80.979+/-0.012 χ^2/NDF: 742054.0/38



Right In: -1035.032+/-550.207 χ^2/NDF: 20.2/15

Left Out: -948.797+/-213.136 χ^2/NDF:54.8/21

Right Out: -1051.517+/-568.935 χ^2/NDF: 12.9/18

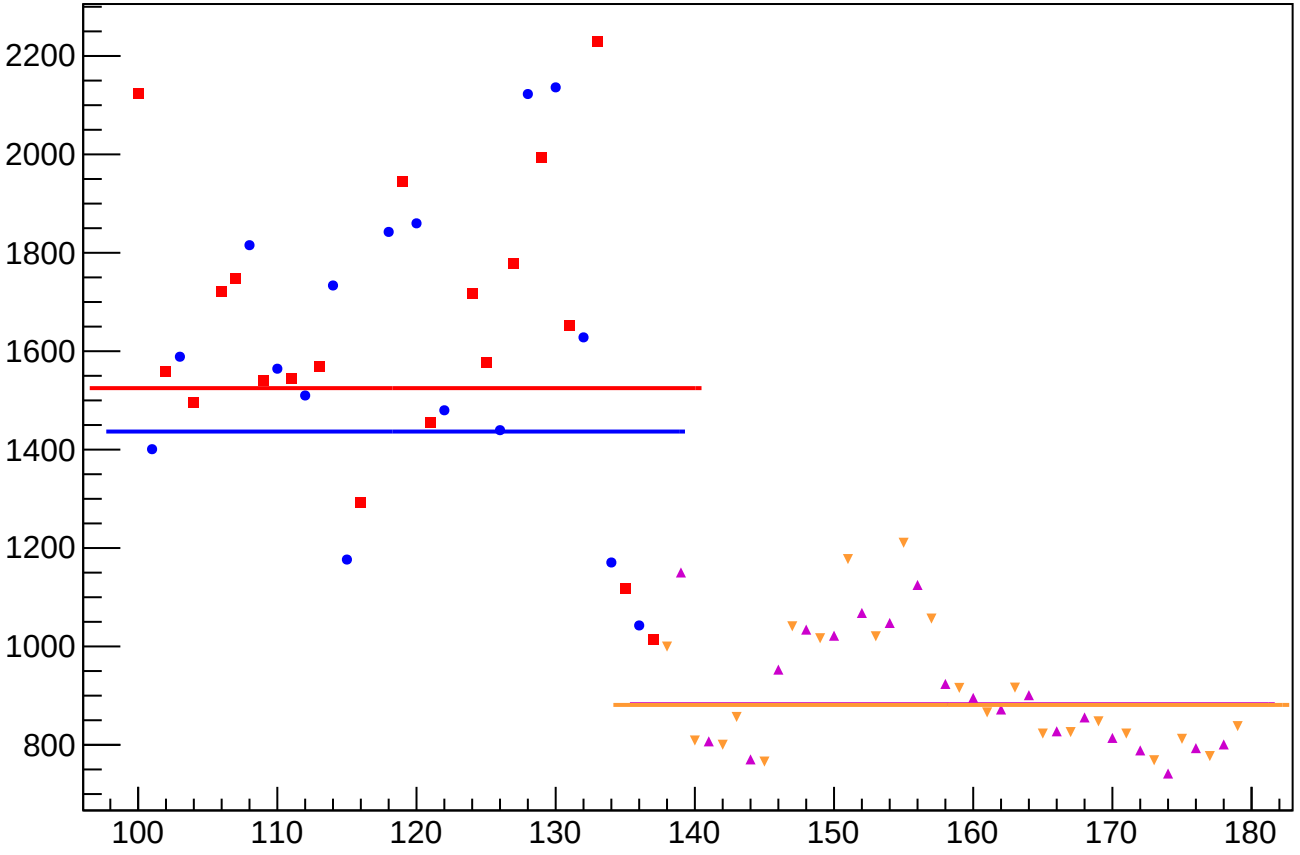
Left In: -226.998+/-220.627 χ^2/NDF:25.2/19

+ sign -960.049+/-198.745 χ^2/NDF: 75.1/37

All: -658.166+/-142.930 χ^2/NDF: 119.8/76

- sign -334.781+/-205.702 χ^2/NDF: 40.0/38

asym_sam_24_68_dd_reg_correction_rms vs Slug



Right In: 1436.734+/-0.389 χ^2/NDF: 675672.3/15

Left Out: 881.163+/-0.151 χ^2/NDF:560489.2/21

Right Out: 1524.955+/-0.402 χ^2/NDF: 504563.9/18

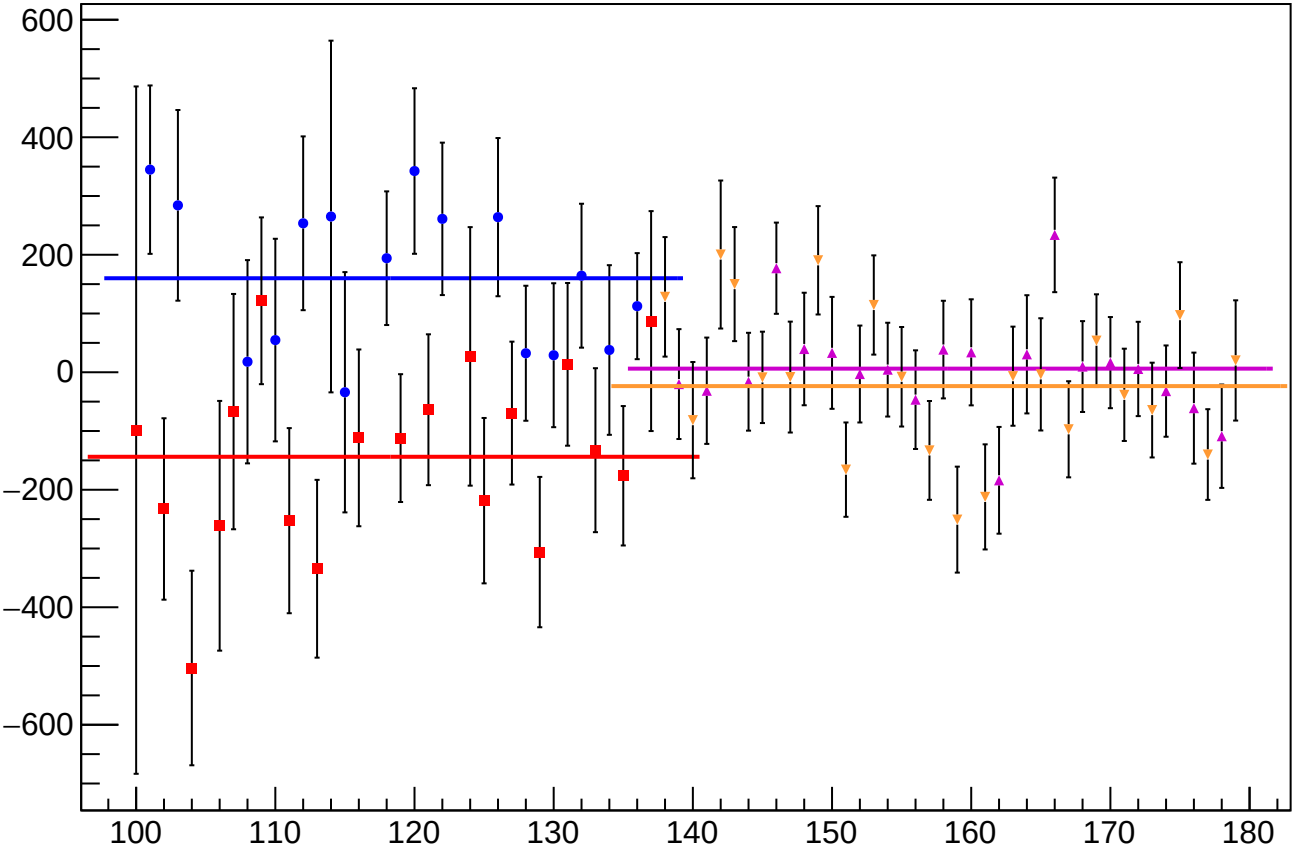
Left In: 882.635+/-0.156 χ^2/NDF:534894.2/19

\+ sign 953.653+/-0.141 χ^2/NDF: 3009280.3/37

All: 959.904+/-0.101 χ^2/NDF: 6268821.6/76

\- sign 966.601+/-0.145 χ^2/NDF: 3255443.1/38

cor_asym_sam_24_68_dd_mean vs Slug



Right In: 160.020+/-34.170 χ^2/NDF: 11.1/15

Left Out: -23.569+/-18.733 χ^2/NDF:39.1/21

Right Out: -143.862+/-34.216 χ^2/NDF: 17.3/18

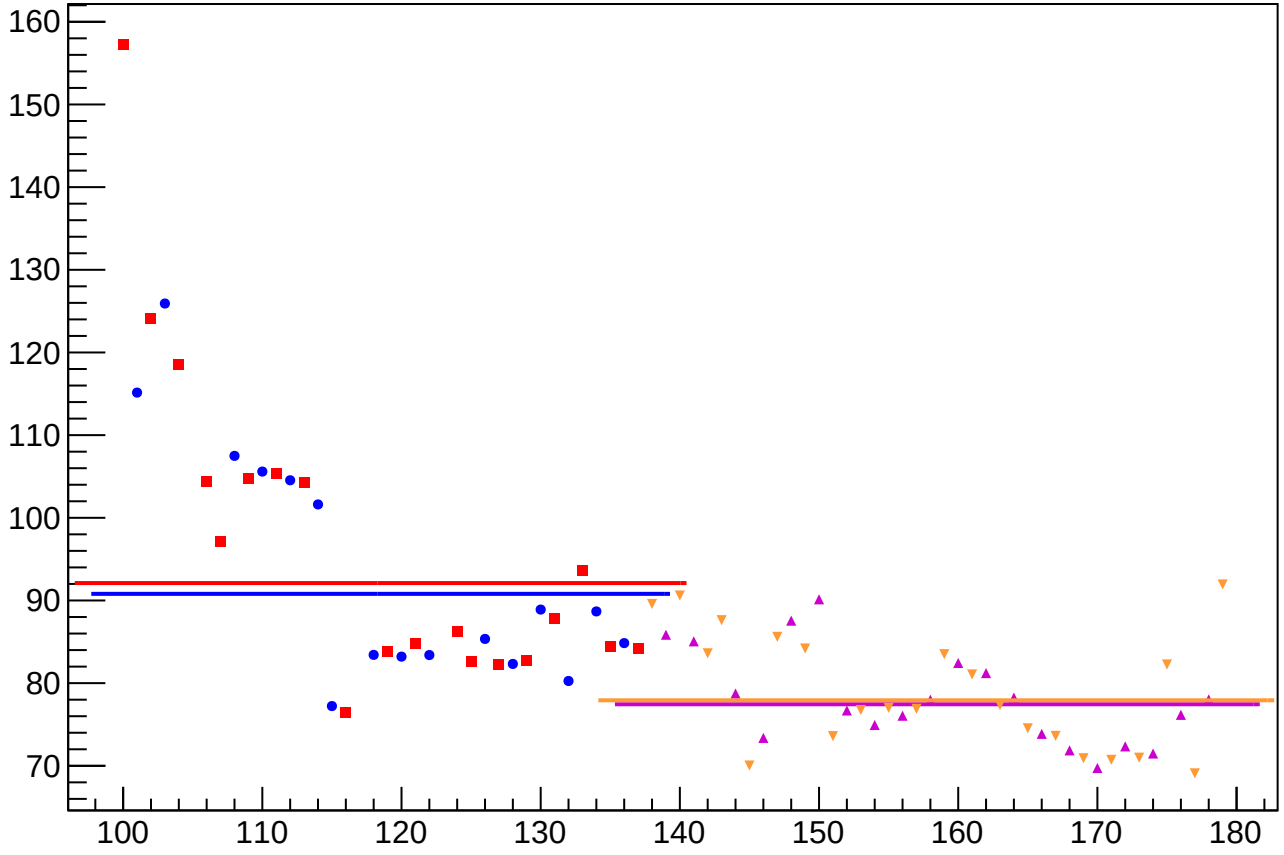
Left In: 6.152+/-19.245 χ^2/NDF:18.4/19

+ sign 18.858+/-16.426 χ^2/NDF: 72.4/37

All: -5.012+/-11.736 χ^2/NDF: 127.0/76

- sign -29.902+/-16.774 χ^2/NDF: 50.3/38

cor_asym_sam_24_68_dd_rms vs Slug



Right In: 90.802+/-0.024 χ^2/NDF: 272757.0/15

Left Out: 77.925+/-0.013 χ^2/NDF:266824.7/21

Right Out: 92.108+/-0.024 χ^2/NDF: 300768.0/18

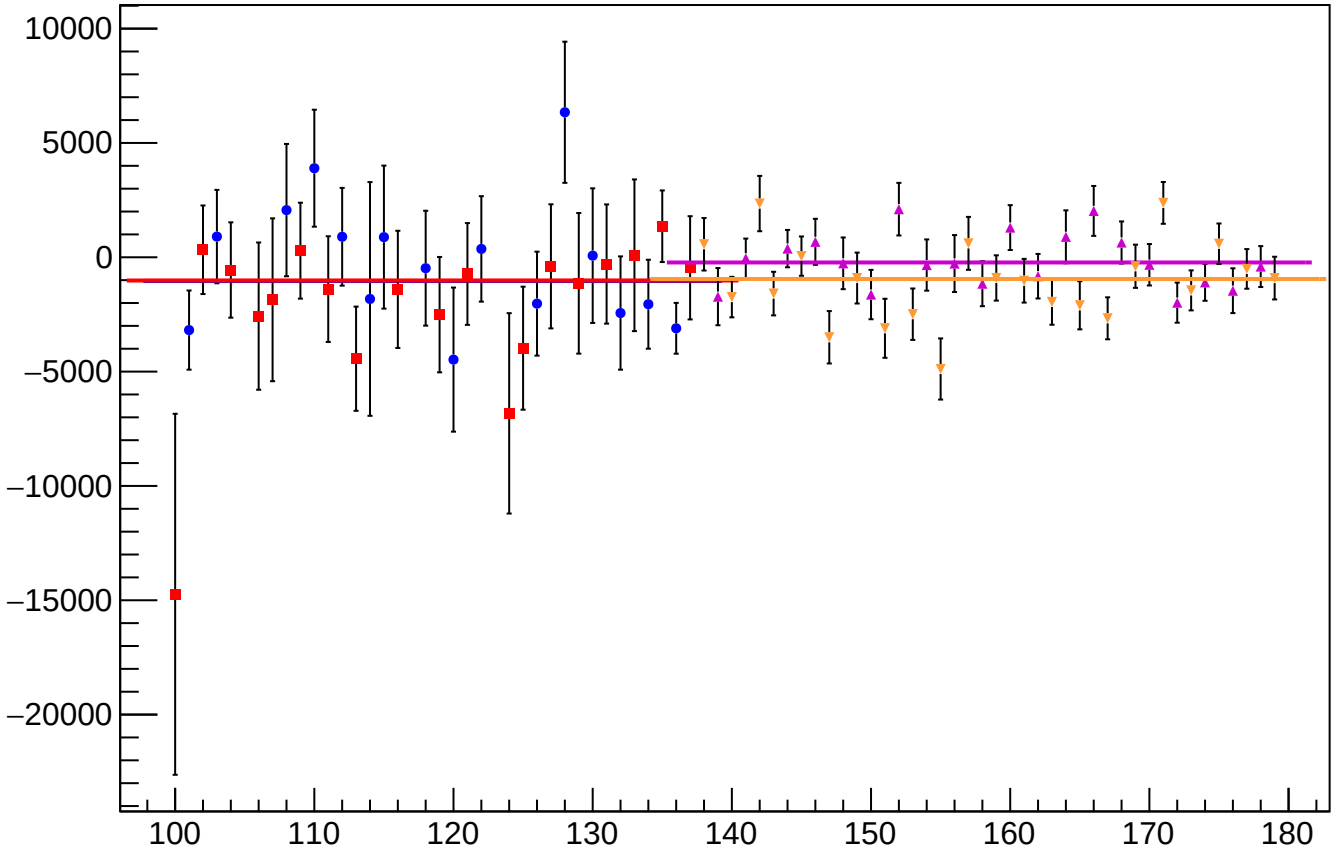
Left In: 77.447+/-0.014 χ^2/NDF:159763.4/19

+ sign 80.901+/-0.012 χ^2/NDF: 757976.2/37

All: 80.935+/-0.008 χ^2/NDF: 1497496.4/76

- sign 80.970+/-0.012 χ^2/NDF: 739502.5/38

asym_sam_24_68_dd_cor_correction_mean vs Slug



Right In: -1035.009+/-550.208 χ^2/NDF: 20.2/15

Left Out: -948.794+/-213.136 χ^2/NDF:54.8/21

Right Out: -1015.387+/-569.773 χ^2/NDF: 12.5/18

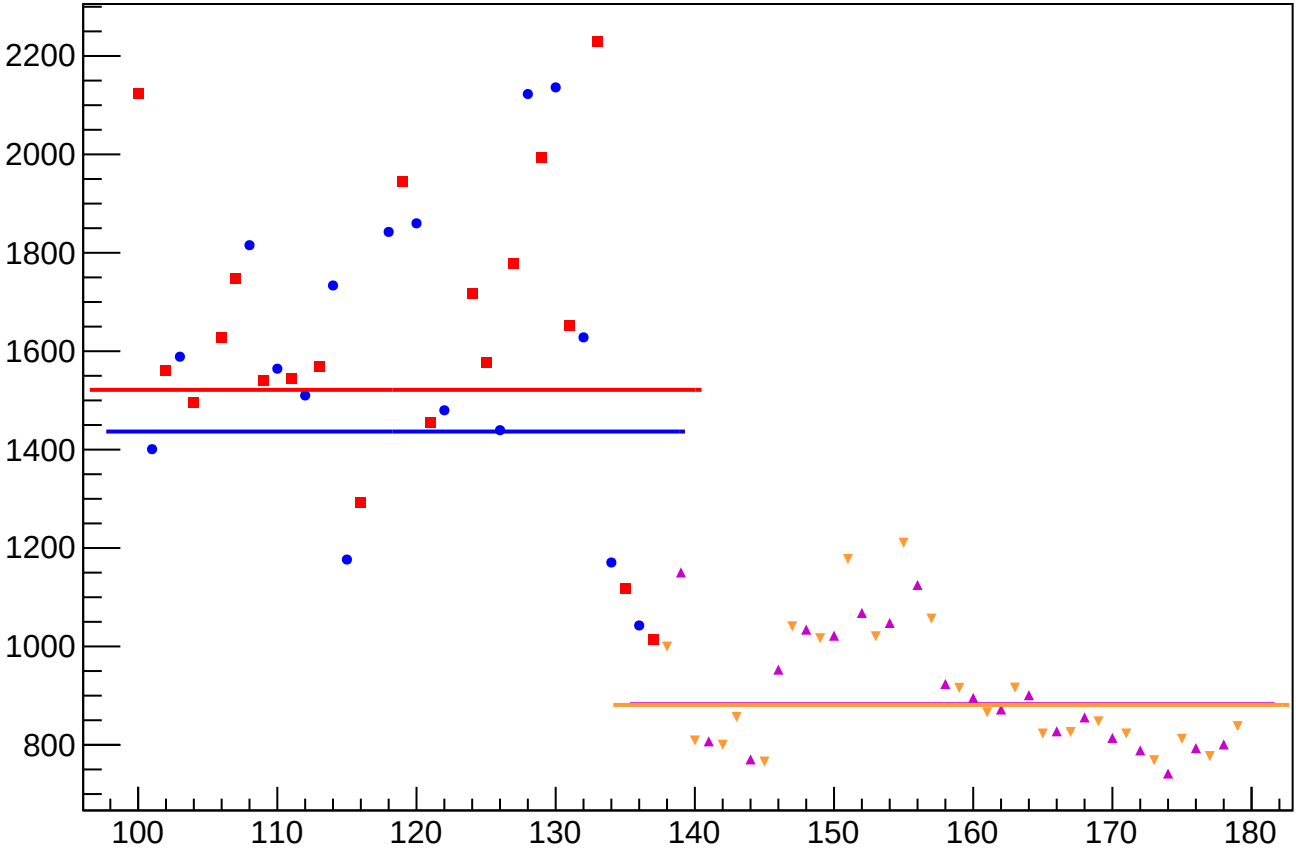
Left In: -226.998+/-220.627 χ^2/NDF:25.2/19

+ sign -960.043+/-198.745 χ^2/NDF: 75.1/37

All: -655.816+/-142.943 χ^2/NDF: 119.3/76

- sign -329.795+/-205.741 χ^2/NDF: 39.4/38

asym_sam_24_68_dd_cor_correction_rms vs Slug



Right In: 1436.738+/-0.389 χ^2/NDF: 675680.8/15

Left Out: 881.162+/-0.151 χ^2/NDF:560490.4/21

Right Out: 1521.496+/-0.403 χ^2/NDF: 498363.4/18

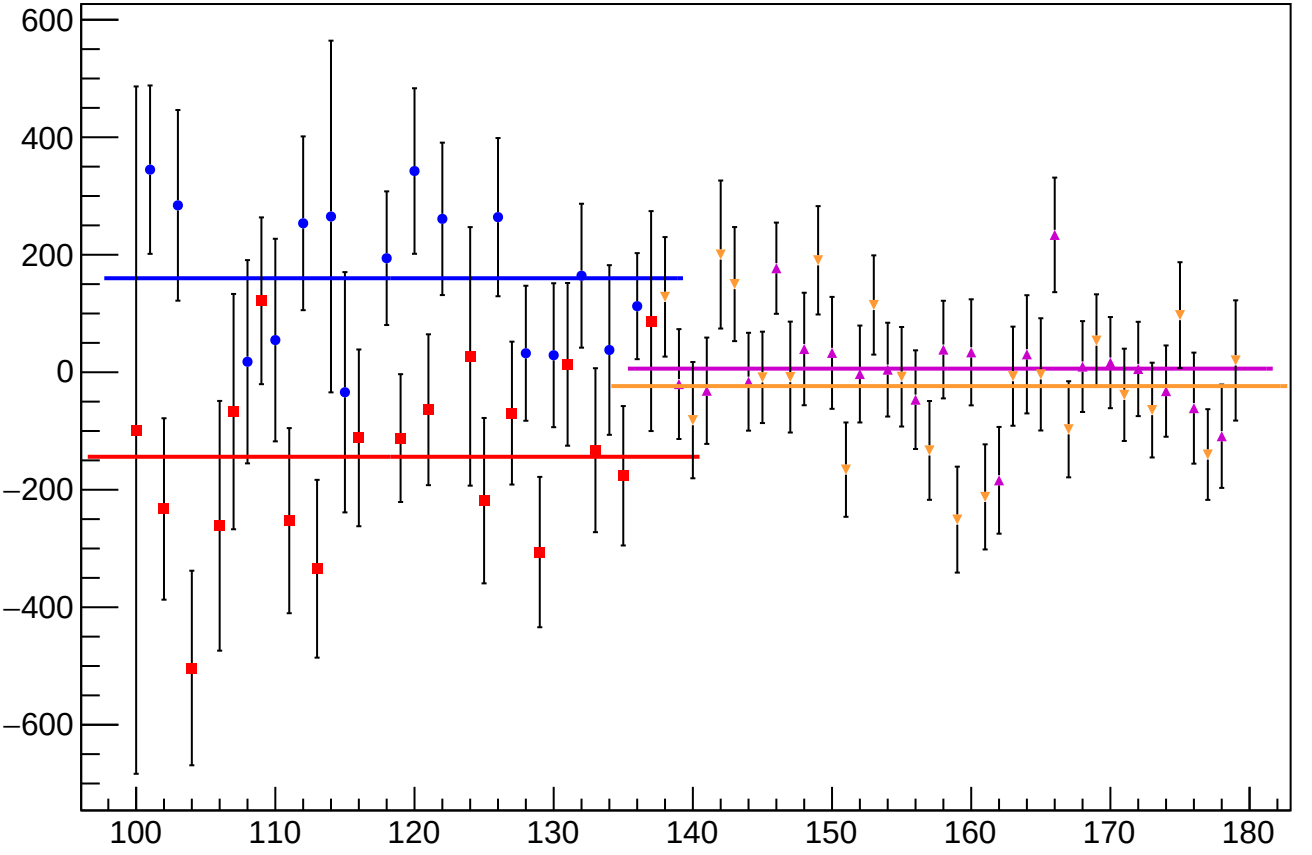
Left In: 882.635+/-0.156 χ^2/NDF:534893.9/19

\+ sign 953.653+/-0.141 χ^2/NDF: 3009305.0/37

All: 959.582+/-0.101 χ^2/NDF: 6232825.8/76

\- sign 965.935+/-0.145 χ^2/NDF: 3219833.7/38

eigen_cor_asym_sam_24_68_dd_mean vs Slug



Right In: 160.020+/-34.170 χ^2/NDF: 11.1/15

Left Out: -23.569+/-18.733 χ^2/NDF:39.1/21

Right Out: -143.862+/-34.216 χ^2/NDF: 17.3/18

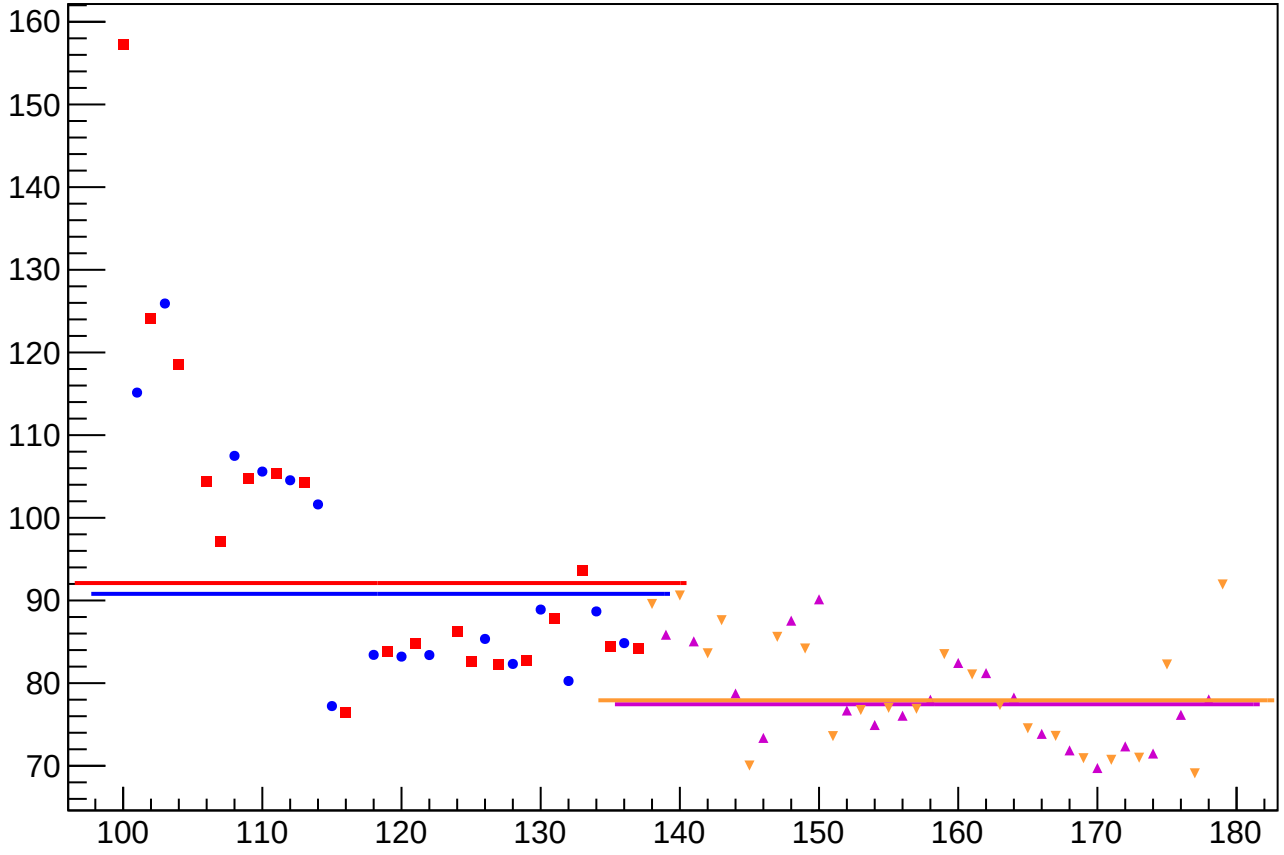
Left In: 6.152+/-19.245 χ^2/NDF:18.4/19

+ sign 18.858+/-16.426 χ^2/NDF: 72.4/37

All: -5.012+/-11.736 χ^2/NDF: 127.0/76

- sign -29.902+/-16.774 χ^2/NDF: 50.3/38

eigen_cor_asym_sam_24_68_dd_rms vs Slug



Right In: 90.802+/-0.024 χ^2/NDF: 272757.0/15

Left Out: 77.925+/-0.013 χ^2/NDF:266824.7/21

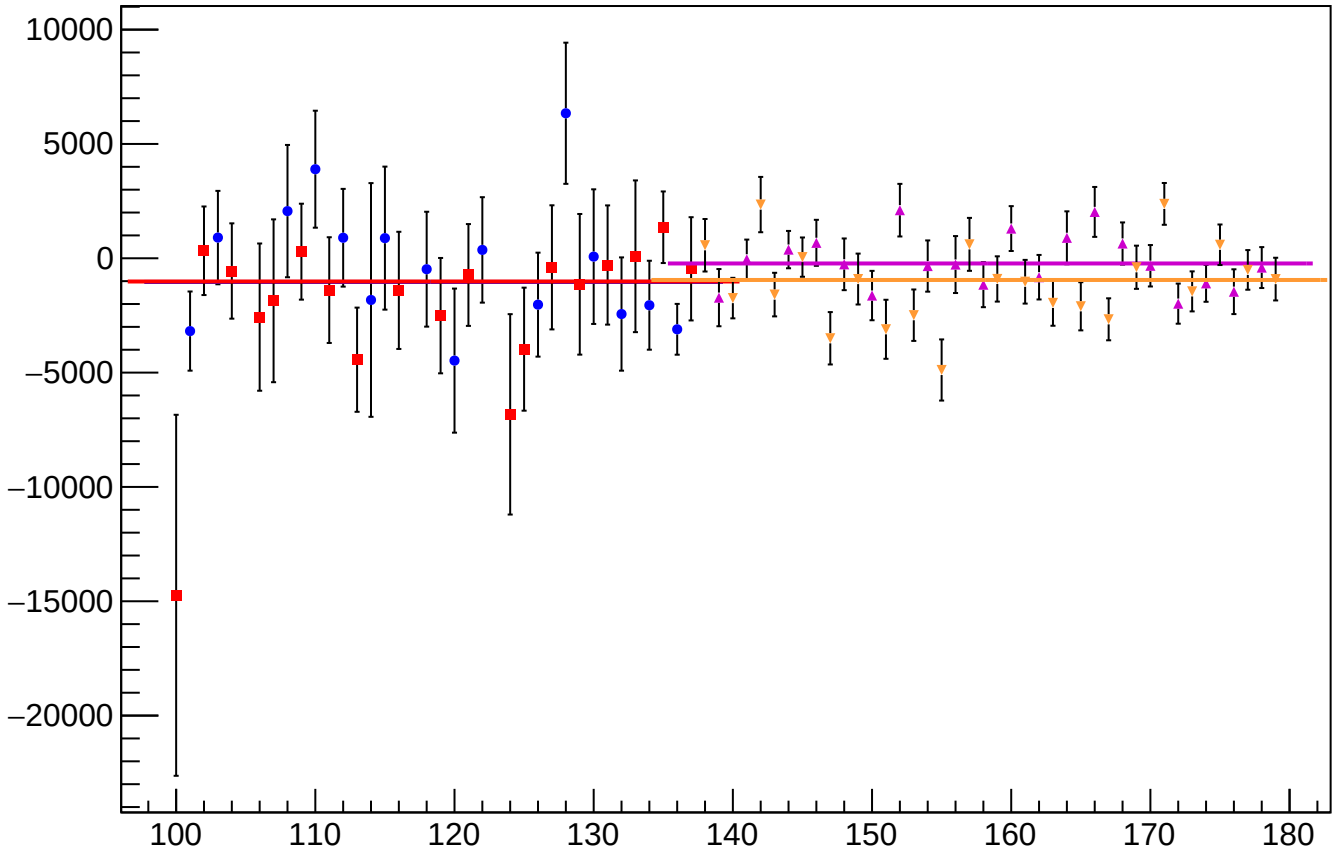
Right Out: 92.108+/-0.024 χ^2/NDF: 300768.0/18

Left In: 77.447+/-0.014 χ^2/NDF:159763.4/19

+ sign 80.901+/-0.012 χ^2/NDF: 757976.2/37

All: 80.935+/-0.008 χ^2/NDF: 1497496.4/76

- sign 80.970+/-0.012 χ^2/NDF: 739502.5/38



Right In: -1035.009+/-550.208 χ^2/NDF: 20.2/15

Left Out: -948.794+/-213.136 χ^2/NDF:54.8/21

Right Out: -1015.387+/-569.773 χ^2/NDF: 12.5/18

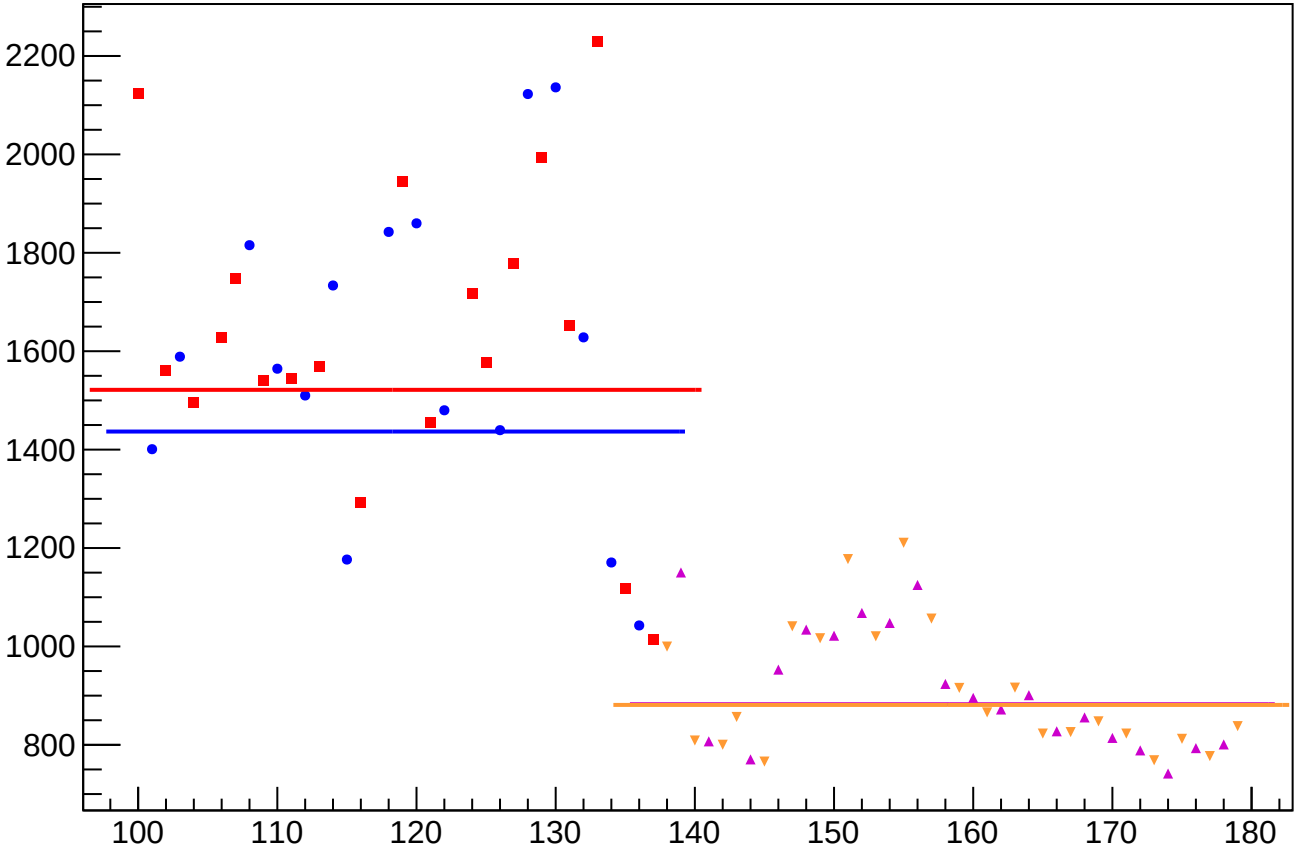
Left In: -226.998+/-220.627 χ^2/NDF:25.2/19

+ sign -960.043+/-198.745 χ^2/NDF: 75.1/37

All: -655.816+/-142.943 χ^2/NDF: 119.3/76

- sign -329.795+/-205.741 χ^2/NDF: 39.4/38

asym_sam_24_68_dd_eigen_cor_correction_rms vs Slug



Right In: 1436.738+/-0.389 χ^2/NDF: 675680.8/15

Left Out: 881.162+/-0.151 χ^2/NDF:560490.4/21

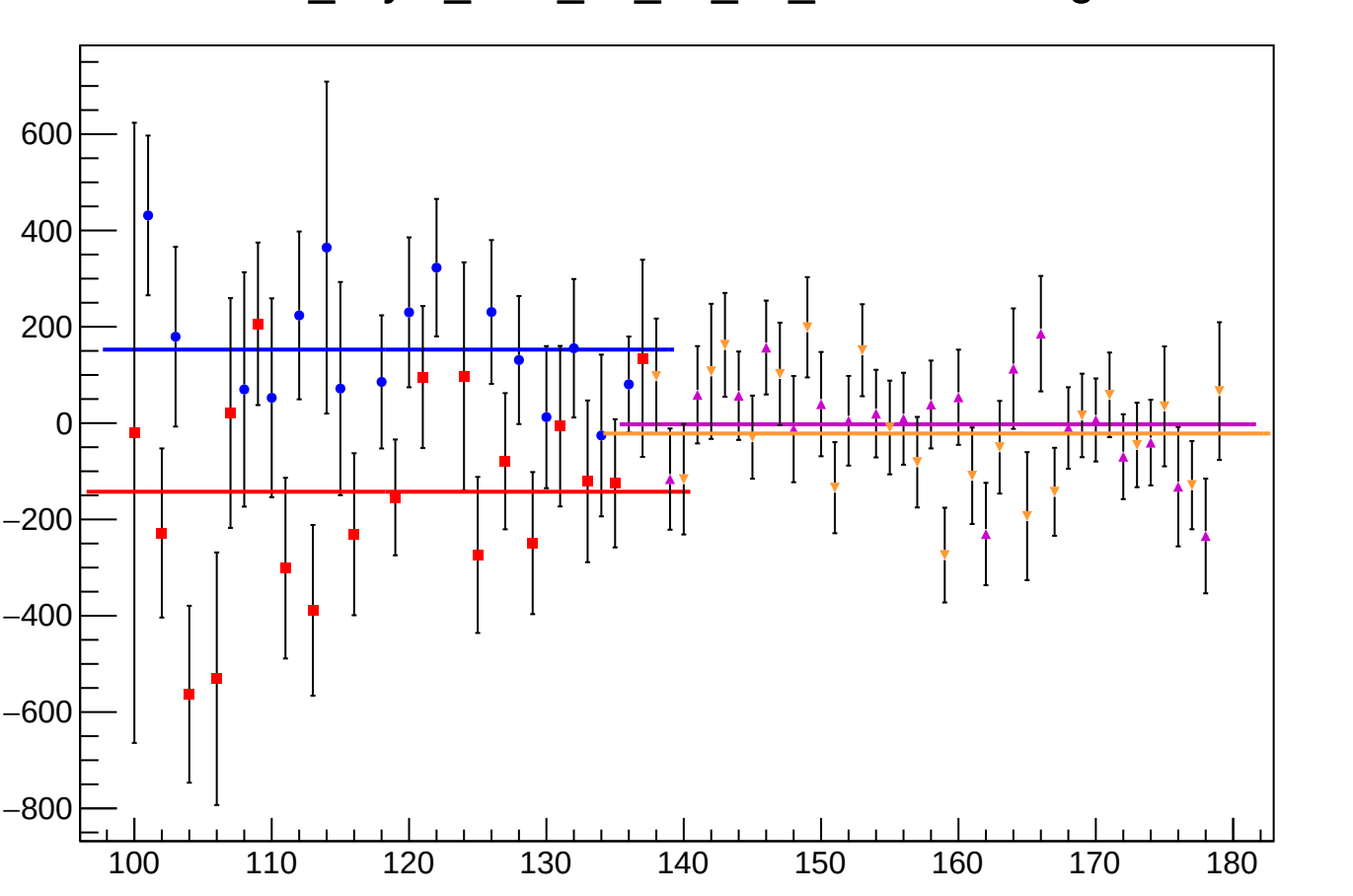
Right Out: 1521.496+/-0.403 χ^2/NDF: 498363.4/18

Left In: 882.635+/-0.156 χ^2/NDF:534893.9/19

+ sign 953.653+/-0.141 χ^2/NDF: 3009305.0/37

All: 959.582+/-0.101 χ^2/NDF: 6232825.8/76

- sign 965.935+/-0.145 χ^2/NDF: 3219833.7/38



Right In: 152.626+/-39.446 χ^2/NDF: 8.6/15

Left Out: -21.562+/-21.567 χ^2/NDF:30.3/21

Right Out: -142.496+/-39.340 χ^2/NDF: 22.9/18

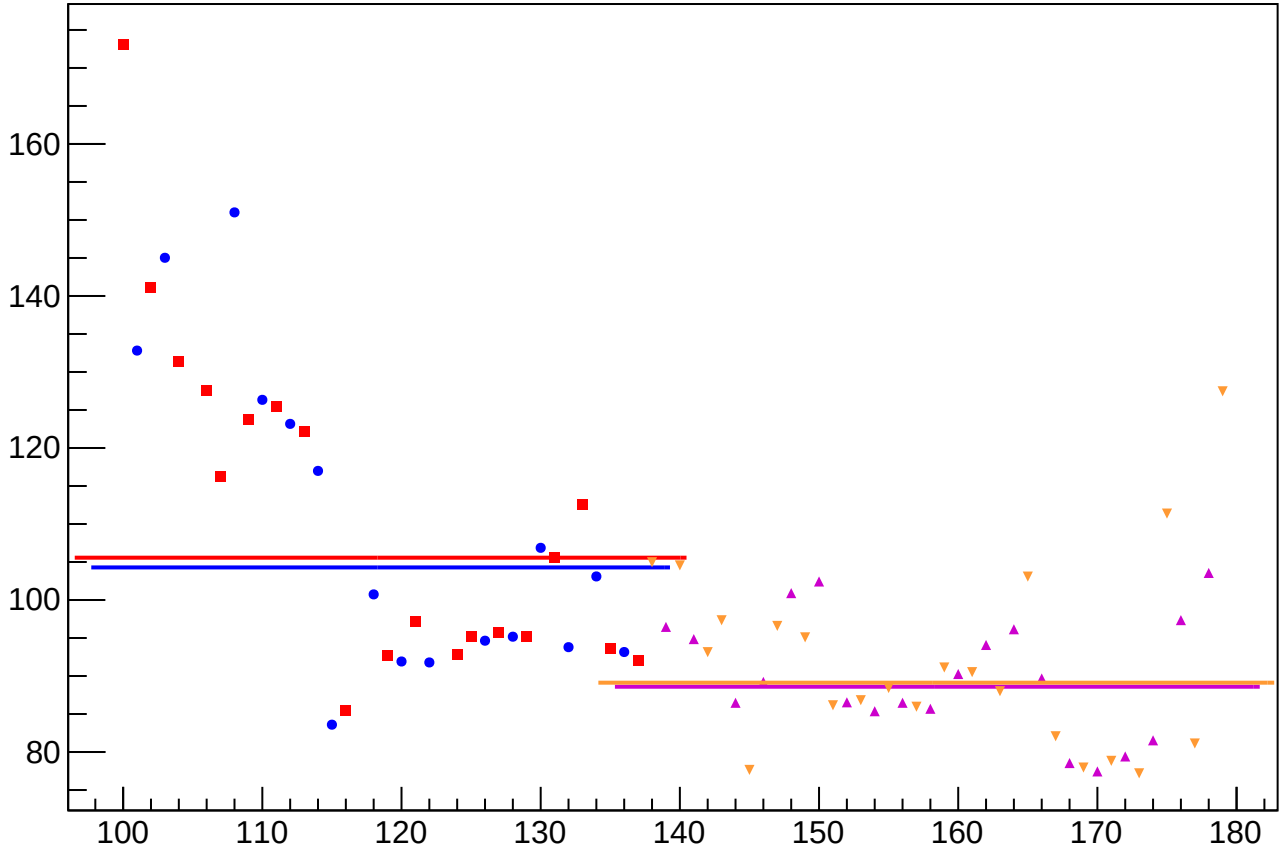
Left In: -2.455+/-22.165 χ^2/NDF:19.0/19

\+ sign 18.525+/-18.924 χ^2/NDF: 53.9/37

All: -8.282+/-13.516 χ^2/NDF: 109.5/76

\- sign -36.199+/-19.311 χ^2/NDF: 51.5/38

dit_asym_sam_24_68_dd_rms vs Slug



Right In: 104.286+/-0.028 χ^2/NDF: 378310.9/15

Left Out: 89.122+/-0.015 χ^2/NDF:497676.6/21

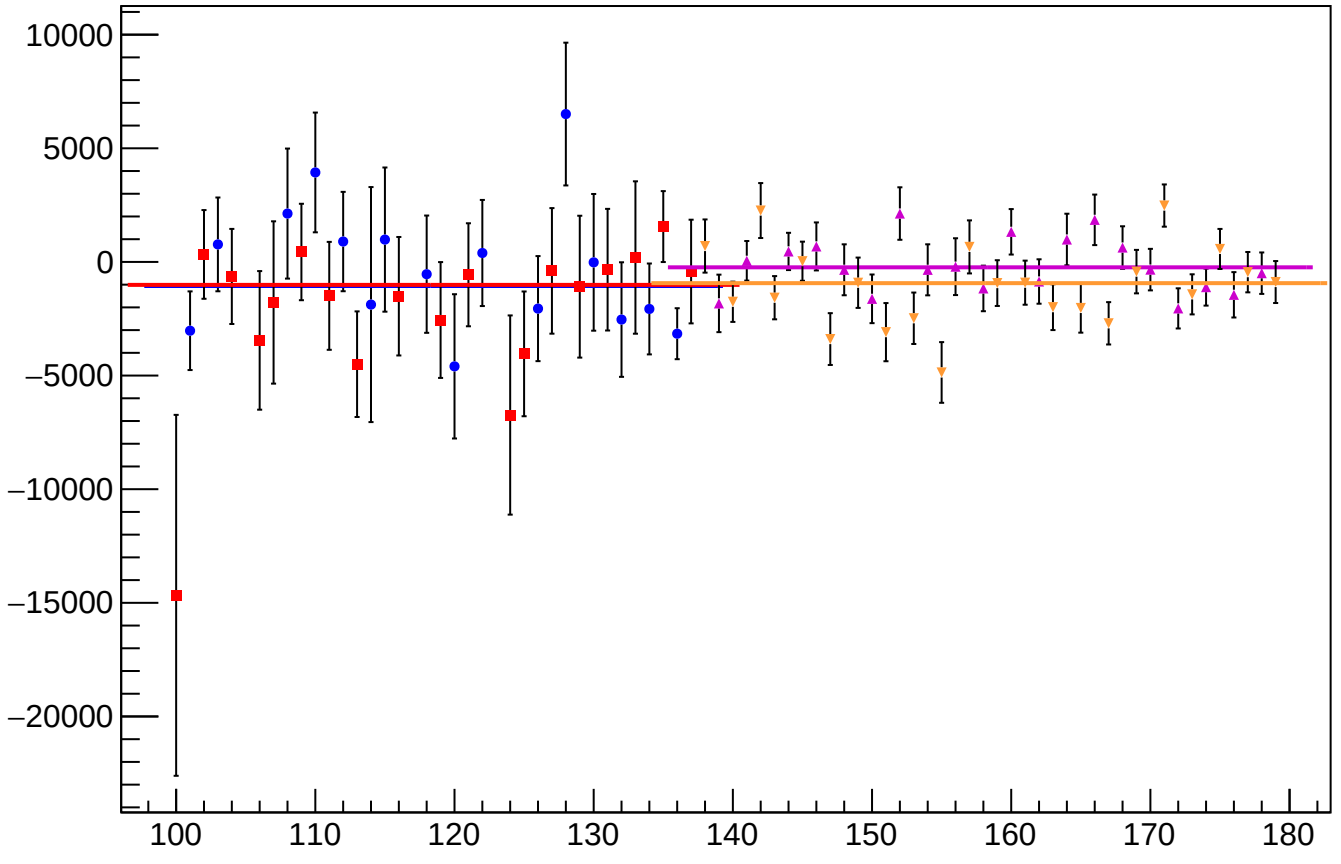
Right Out: 105.568+/-0.028 χ^2/NDF: 344605.9/18

Left In: 88.590+/-0.016 χ^2/NDF:234987.1/19

+ sign 92.612+/-0.013 χ^2/NDF: 1103530.1/37

All: 92.646+/-0.010 χ^2/NDF: 1965889.8/76

- sign 92.681+/-0.014 χ^2/NDF: 862346.7/38



Right In: -1059.357+/-557.645 χ^2/NDF: 20.0/15

Left Out: -933.730+/-214.583 χ^2/NDF:54.4/21

Right Out: -1009.907+/-575.100 χ^2/NDF: 13.3/18

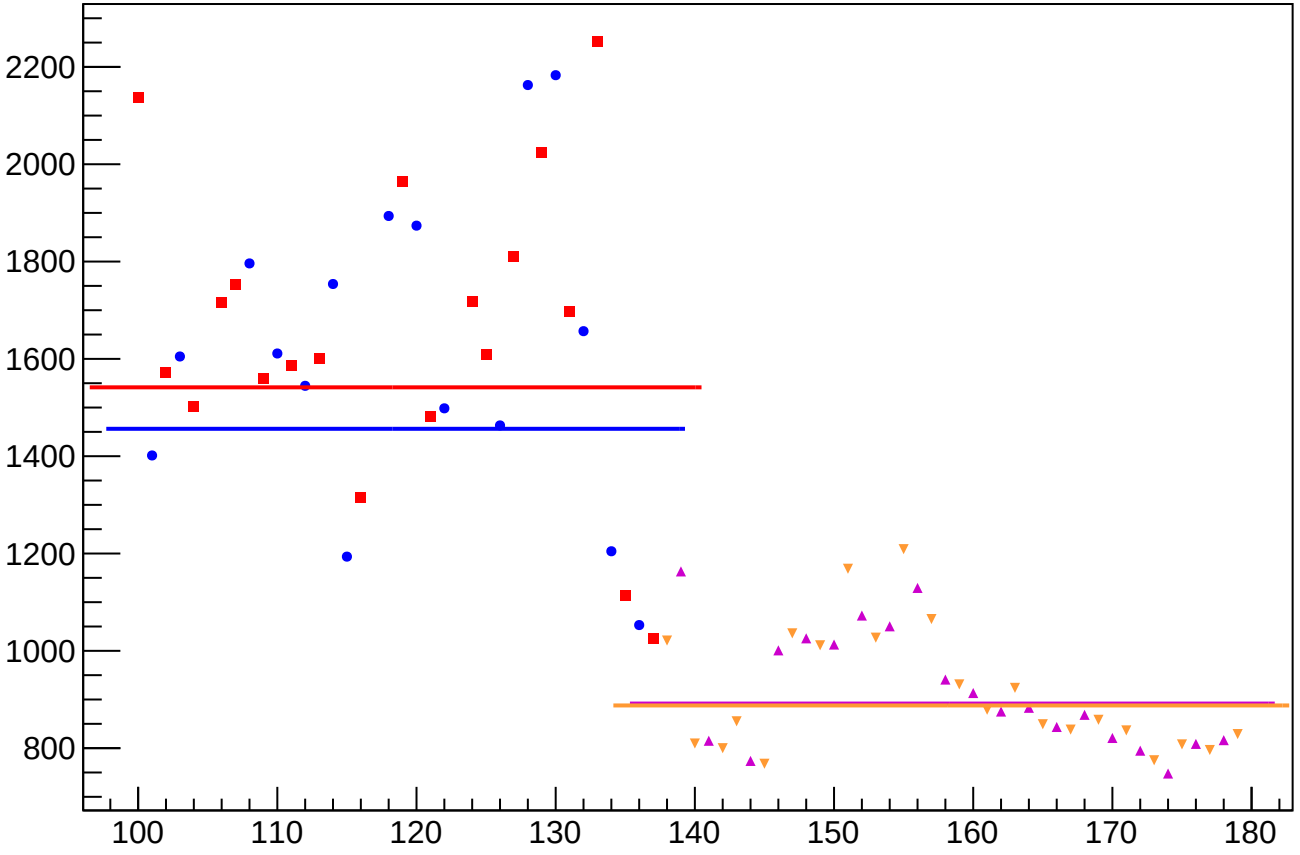
Left In: -237.249+/-222.780 χ^2/NDF:25.2/19

+ sign -949.933+/-200.268 χ^2/NDF: 74.5/37

All: -655.199+/-144.179 χ^2/NDF: 119.1/76

- sign -338.066+/-207.738 χ^2/NDF: 40.1/38

asym_sam_24_68_dd_dit_correction_rms vs Slug



Right In: 1456.303+/-0.394 χ^2/NDF: 684806.5/15

Left Out: 887.775+/-0.152 χ^2/NDF:541761.2/21

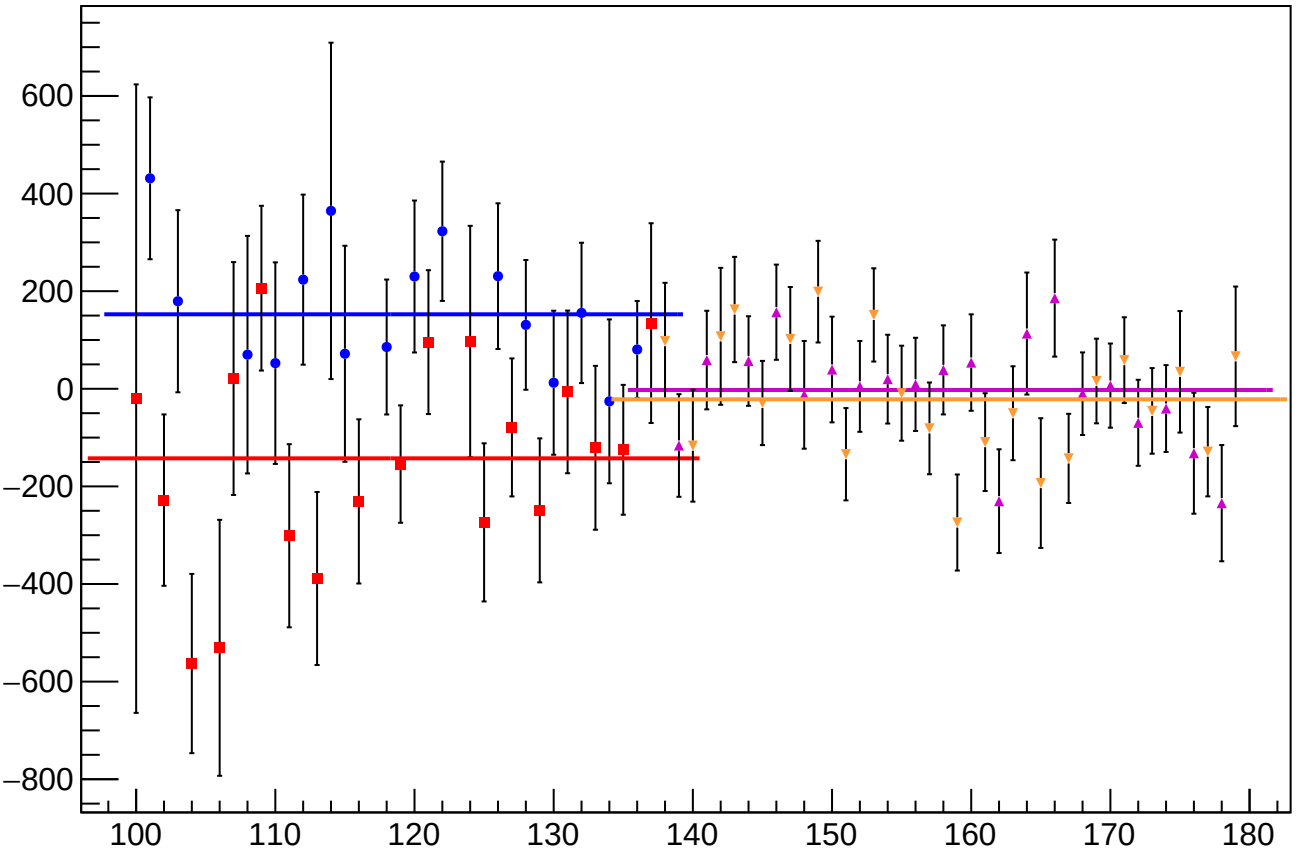
Right Out: 1541.522+/-0.407 χ^2/NDF: 519336.6/18

Left In: 891.647+/-0.158 χ^2/NDF:523412.0/19

\+ sign 961.101+/-0.142 χ^2/NDF: 3037279.3/37

All: 968.491+/-0.102 χ^2/NDF: 6306347.2/76

\- sign 976.443+/-0.147 χ^2/NDF: 3263414.0/38



Right In: 152.628+/-39.446 χ^2/NDF: 8.6/15

Left Out: -21.562+/-21.567 χ^2/NDF:30.3/21

Right Out: -142.494+/-39.340 χ^2/NDF: 22.9/18

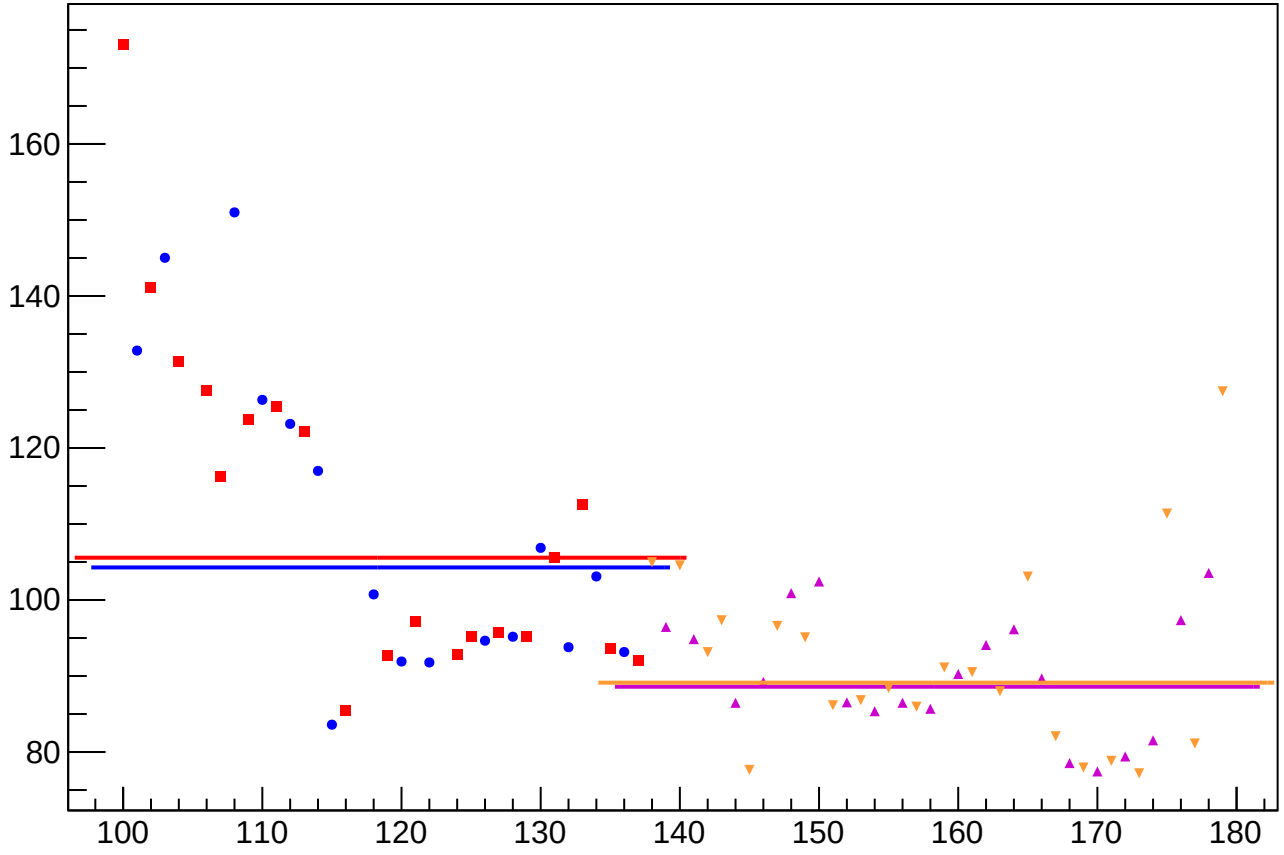
Left In: -2.454+/-22.165 χ^2/NDF:19.0/19

+ sign 18.526+/-18.924 χ^2/NDF: 53.9/37

All: -8.281+/-13.516 χ^2/NDF: 109.5/76

- sign -36.198+/-19.311 χ^2/NDF: 51.5/38

eigen_dit_asym_sam_24_68_dd_rms vs Slug



Right In: 104.285+/-0.028 χ^2/NDF: 378313.2/15

Left Out: 89.122+/-0.015 χ^2/NDF:497684.9/21

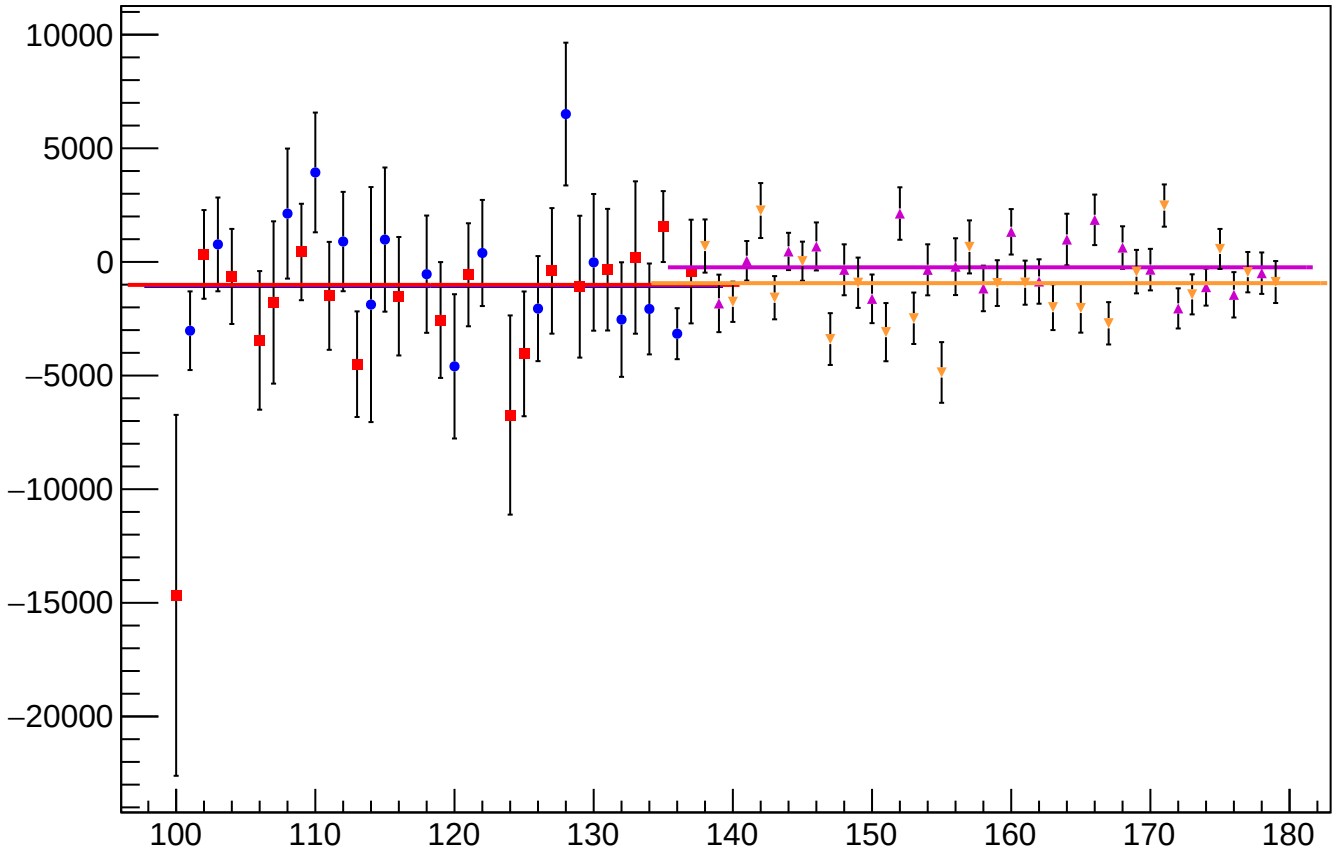
Right Out: 105.567+/-0.028 χ^2/NDF: 344605.1/18

Left In: 88.590+/-0.016 χ^2/NDF:234986.1/19

+ sign 92.612+/-0.013 χ^2/NDF: 1103511.1/37

All: 92.646+/-0.010 χ^2/NDF: 1965848.4/76

- sign 92.681+/-0.014 χ^2/NDF: 862324.3/38



Right In: -1059.353+/-557.644 χ^2/NDF: 20.0/15

Left Out: -933.730+/-214.583 χ^2/NDF:54.4/21

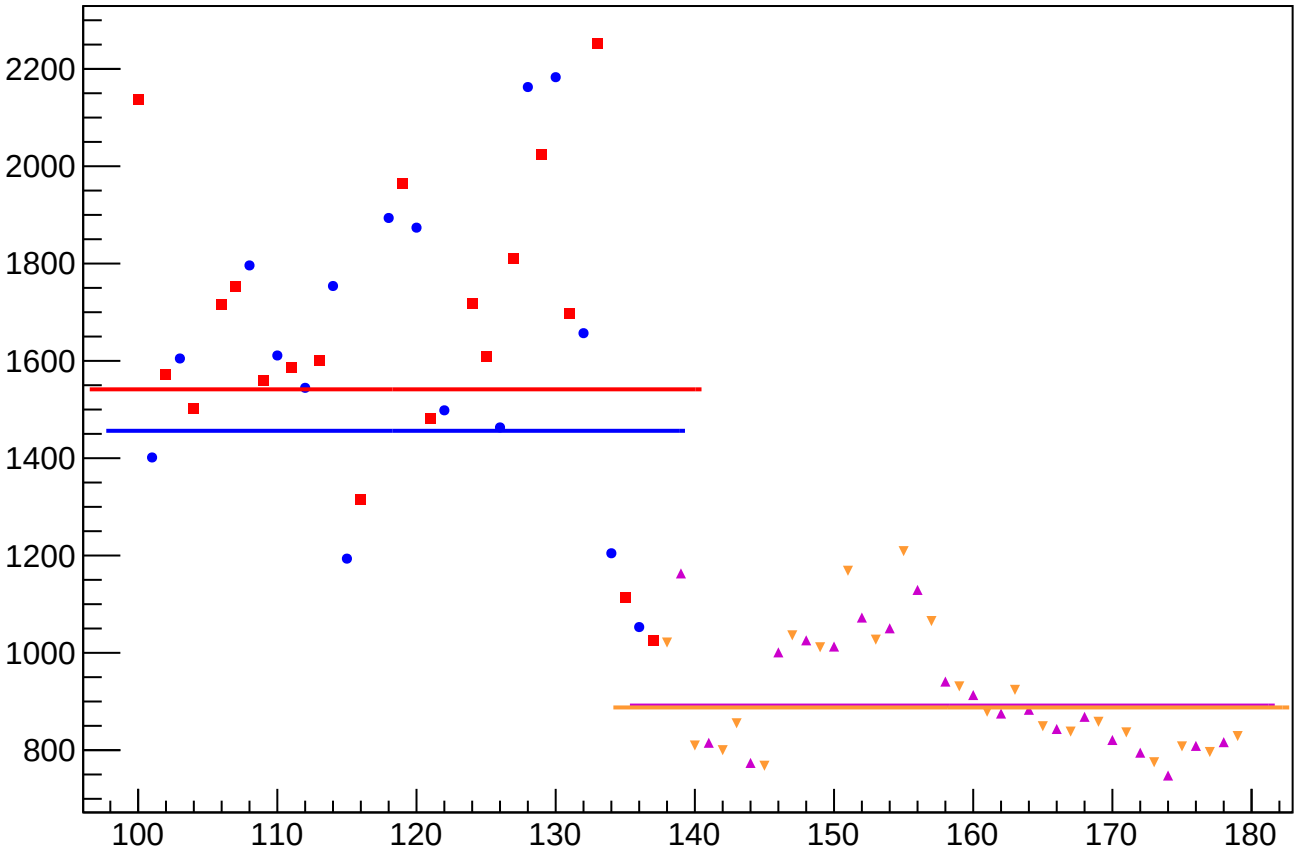
Right Out: -1009.907+/-575.099 χ^2/NDF: 13.3/18

Left In: -237.248+/-222.780 χ^2/NDF:25.2/19

+ sign -949.932+/-200.267 χ^2/NDF: 74.5/37

All: -655.198+/-144.179 χ^2/NDF: 119.1/76

- sign -338.065+/-207.738 χ^2/NDF: 40.1/38



Right In: 1456.301+/-0.394 χ^2/NDF: 684803.6/15

Left Out: 887.774+/-0.152 χ^2/NDF:541761.6/21

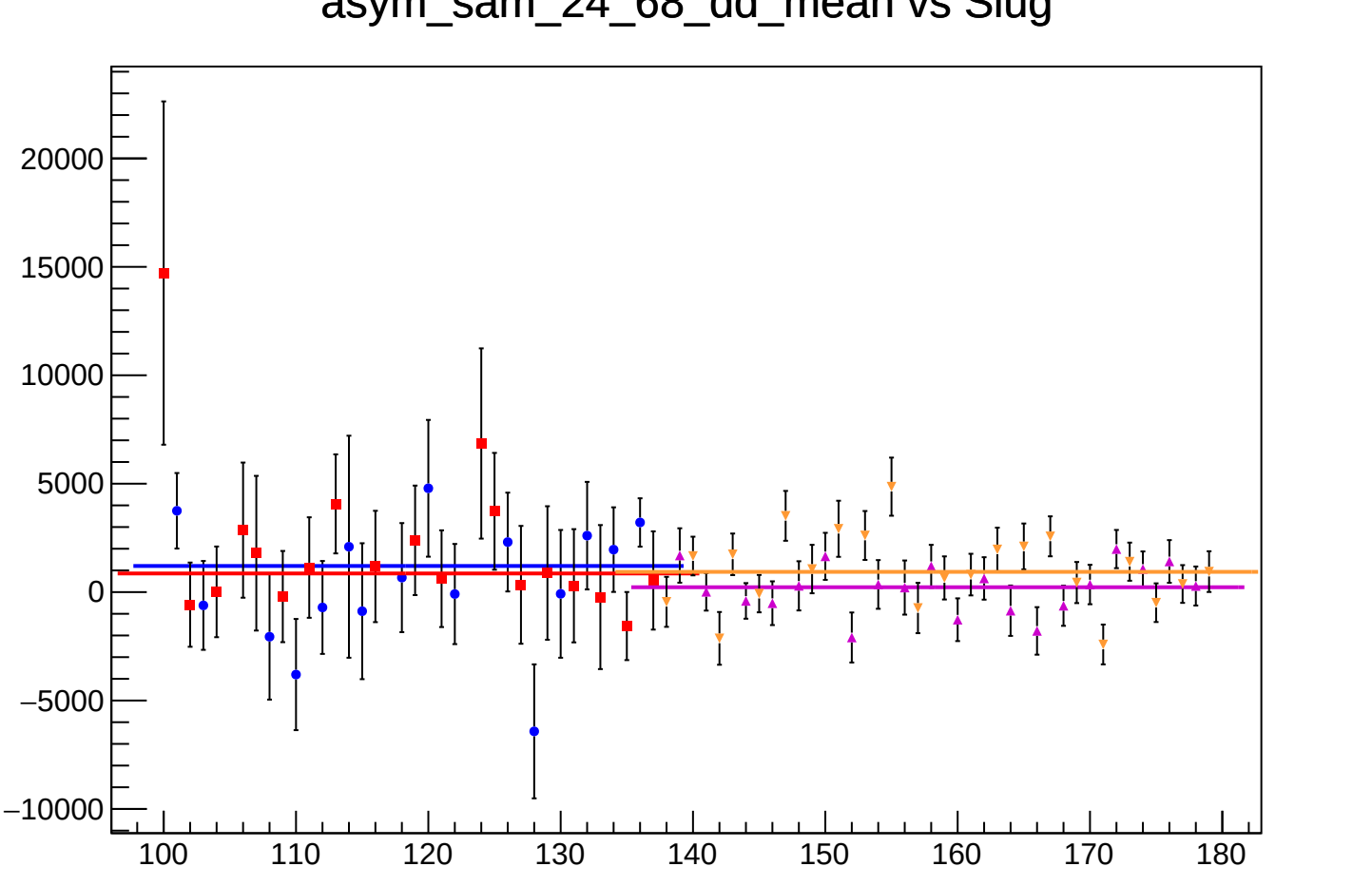
Right Out: 1541.520+/-0.407 χ^2/NDF: 519336.6/18

Left In: 891.646+/-0.158 χ^2/NDF:523411.6/19

\+ sign 961.100+/-0.142 χ^2/NDF: 3037270.5/37

All: 968.490+/-0.102 χ^2/NDF: 6306330.5/76

\- sign 976.442+/-0.147 χ^2/NDF: 3263406.3/38



Right In: 1204.691+/-551.729 χ^2/NDF: 21.1/15

Left Out: 934.079+/-214.042 χ^2/NDF:53.2/21

Right Out: 859.290+/-570.391 χ^2/NDF: 12.5/18

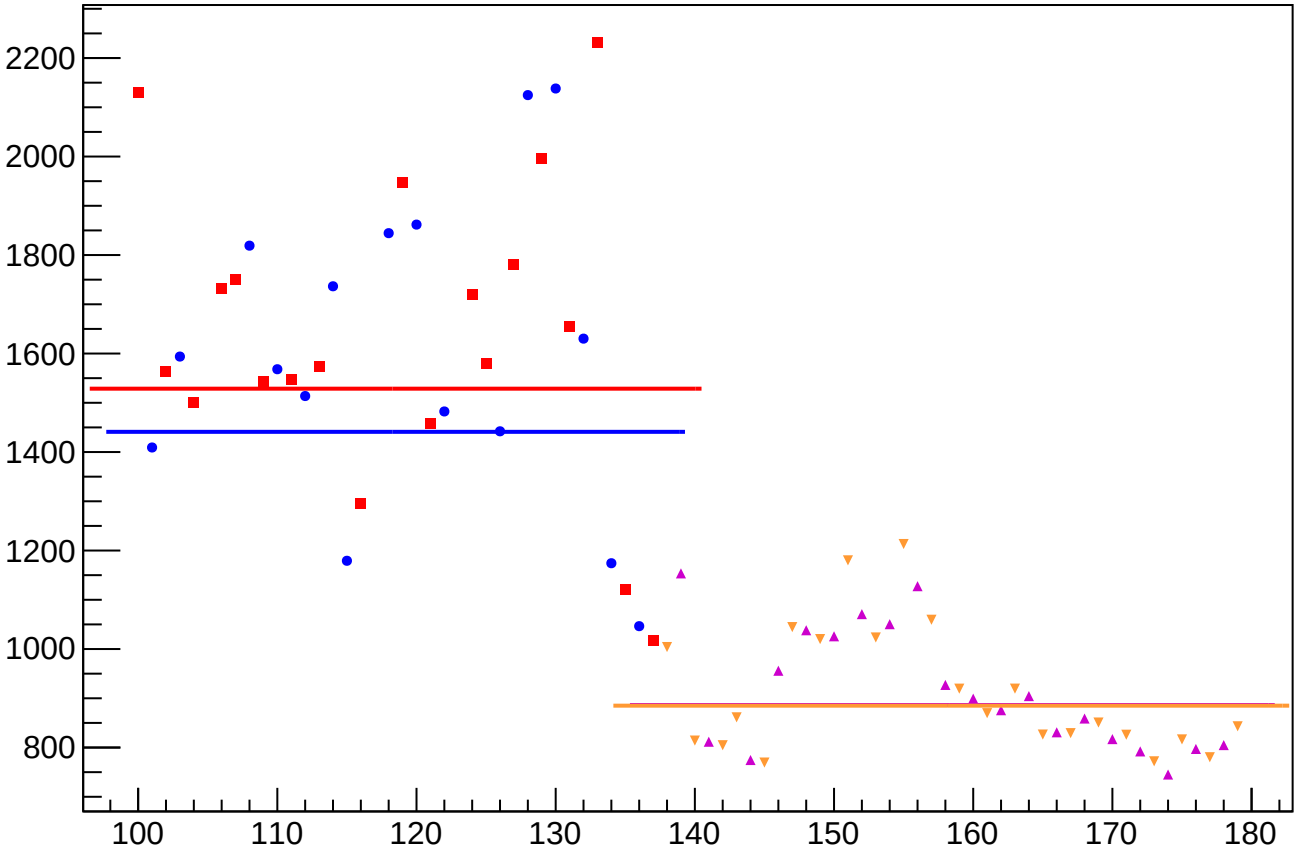
Left In: 224.566+/-221.534 χ^2/NDF:23.4/19

+ sign 969.479+/-199.551 χ^2/NDF: 74.6/37

All: 649.950+/-143.500 χ^2/NDF: 116.9/76

- sign 307.762+/-206.505 χ^2/NDF: 37.0/38

asym_sam_24_68_dd_rms vs Slug



Right In: 1441.025+/-0.390 χ^2/NDF: 670674.6/15

Left Out: 885.022+/-0.151 χ^2/NDF:554373.4/21

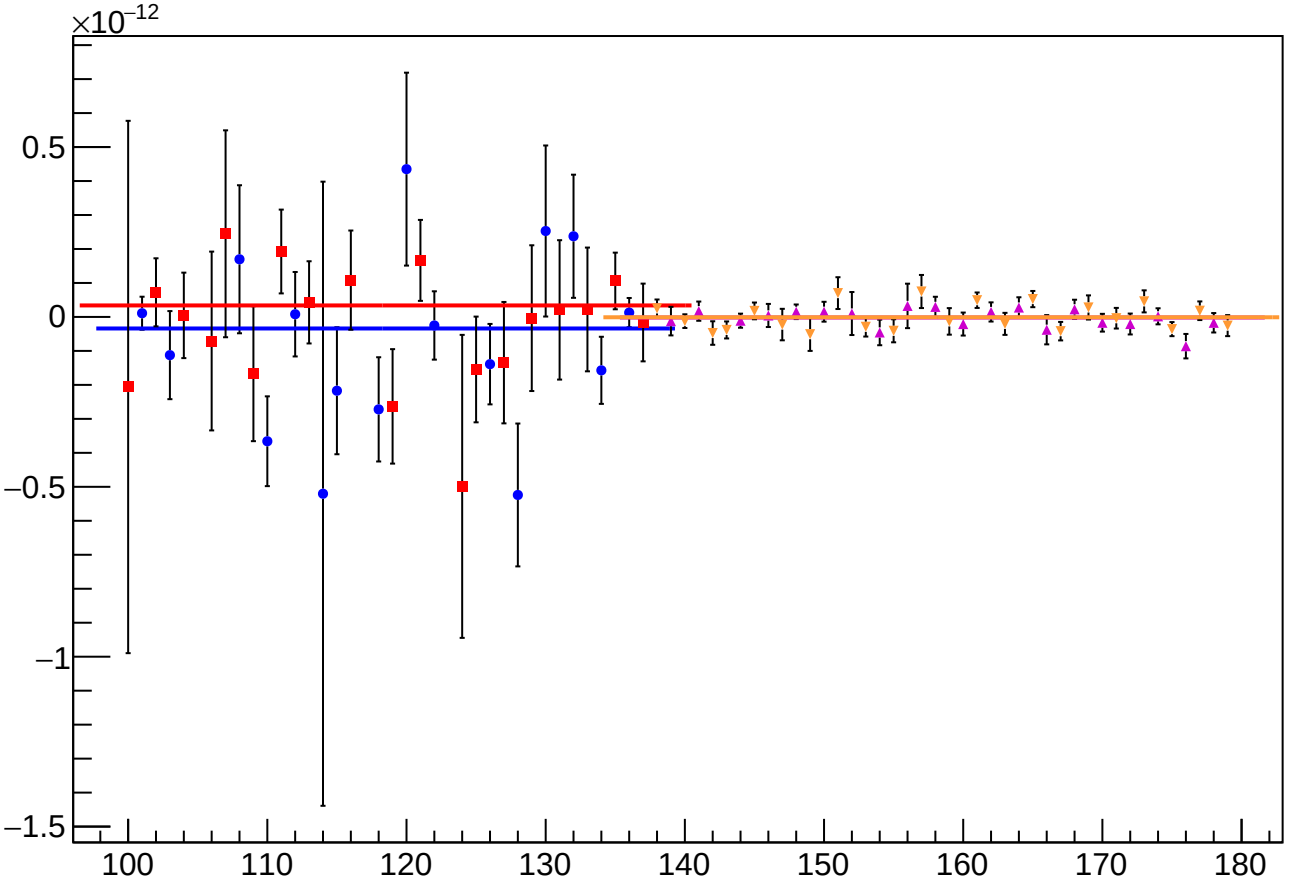
Right Out: 1528.652+/-0.403 χ^2/NDF: 501717.6/18

Left In: 886.367+/-0.157 χ^2/NDF:528939.5/19

+ sign 957.756+/-0.141 χ^2/NDF: 2990455.2/37

All: 963.936+/-0.101 χ^2/NDF: 6228631.3/76

- sign 970.554+/-0.146 χ^2/NDF: 3234203.7/38



Right In: -0.000+/-0.000 χ^2/NDF: 27.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:33.5/21

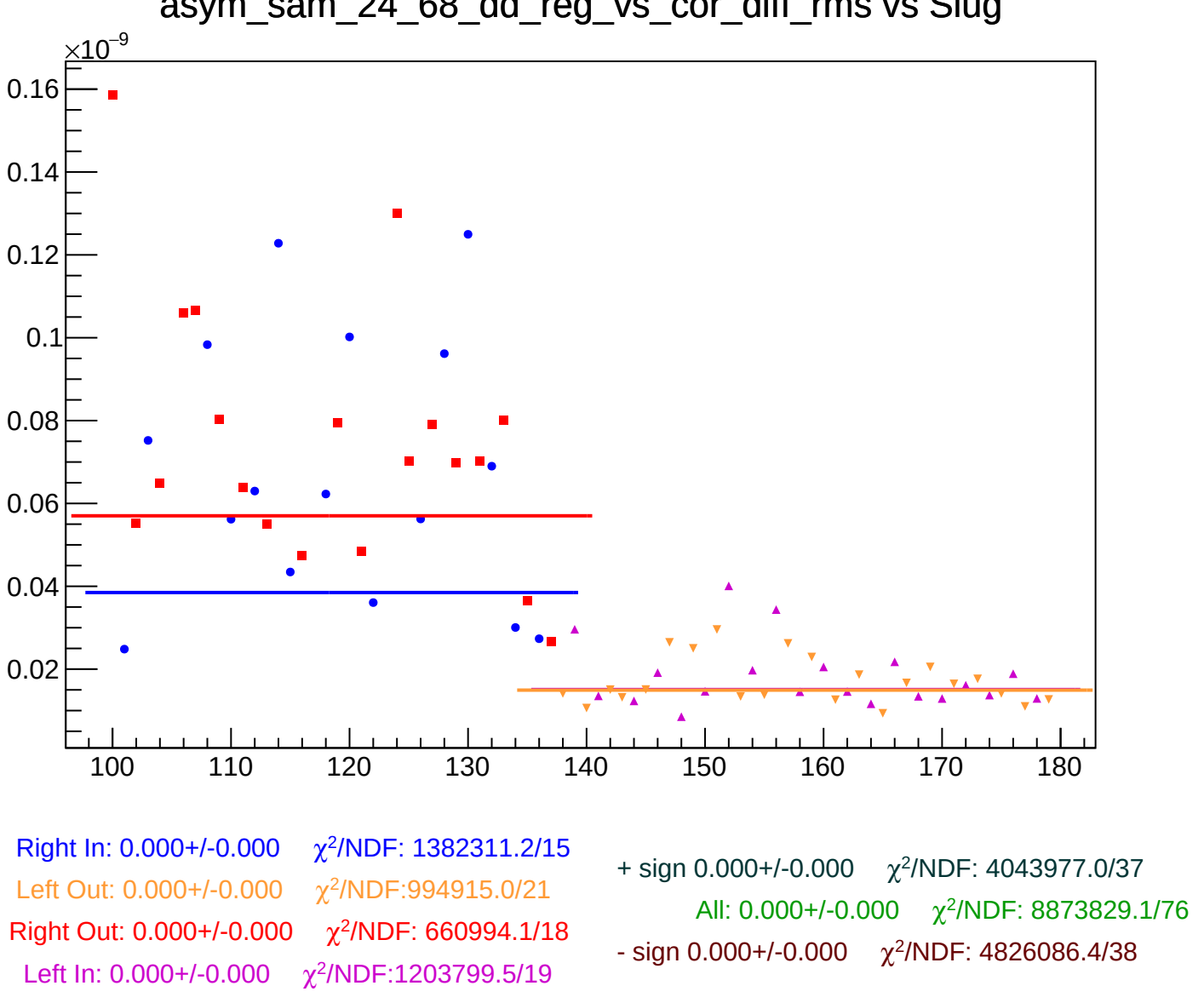
Right Out: 0.000+/-0.000 χ^2/NDF: 13.0/18

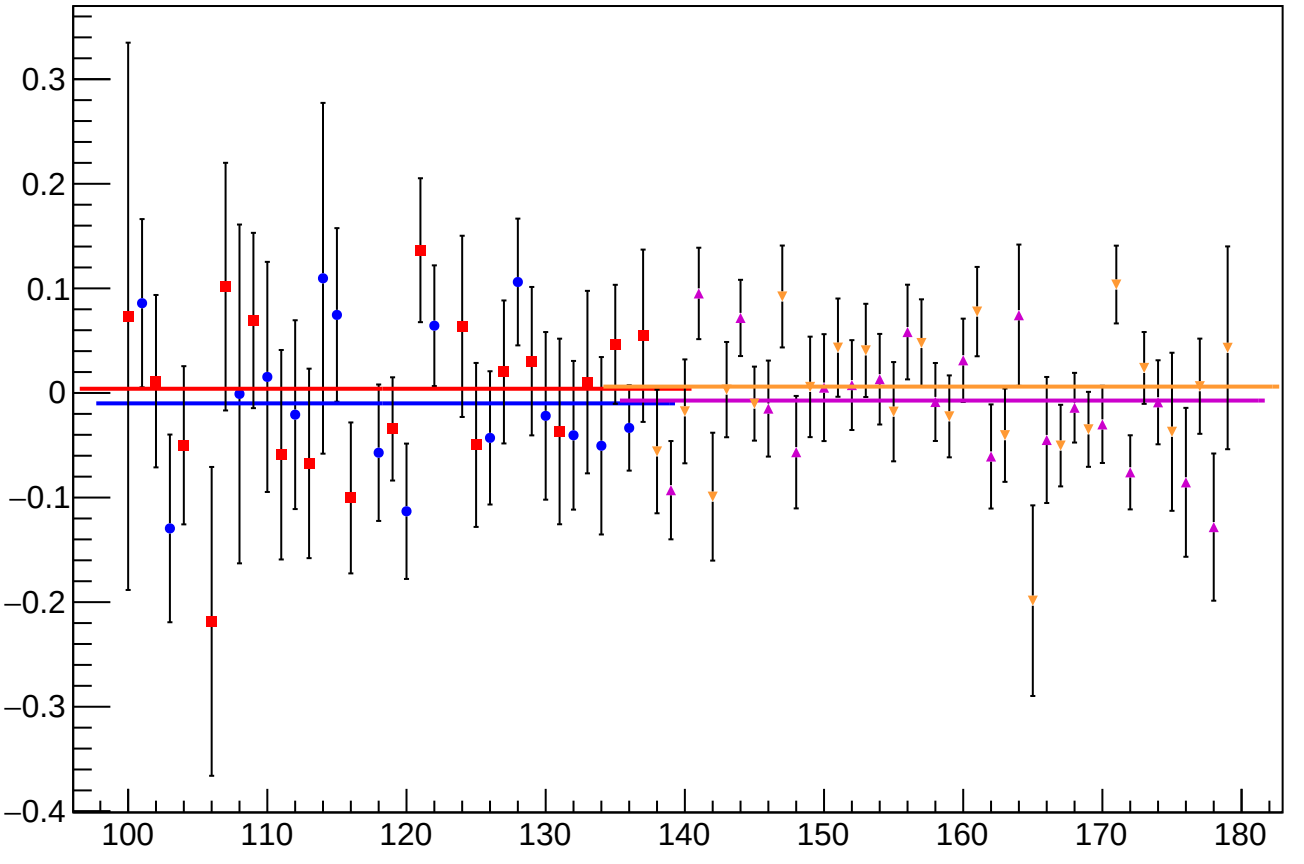
Left In: -0.000+/-0.000 χ^2/NDF:14.1/19

+ sign -0.000+/-0.000 χ^2/NDF: 62.6/37

All: -0.000+/-0.000 χ^2/NDF: 90.8/76

- sign -0.000+/-0.000 χ^2/NDF: 28.1/38


asym_sam_24_68_dd_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1382311.2/15
Left Out: 0.000+/-0.000 χ²/NDF:994915.0/21
Right Out: 0.000+/-0.000 χ²/NDF: 660994.1/18
Left In: 0.000+/-0.000 χ²/NDF:1203799.5/19
+ sign 0.000+/-0.000 χ²/NDF: 4043977.0/37
All: 0.000+/-0.000 χ²/NDF: 8873829.1/76
- sign 0.000+/-0.000 χ²/NDF: 4826086.4/38



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.006+/-0.010 χ^2/NDF:30.6/21

Right Out: 0.004+/-0.018 χ^2/NDF: 13.9/18

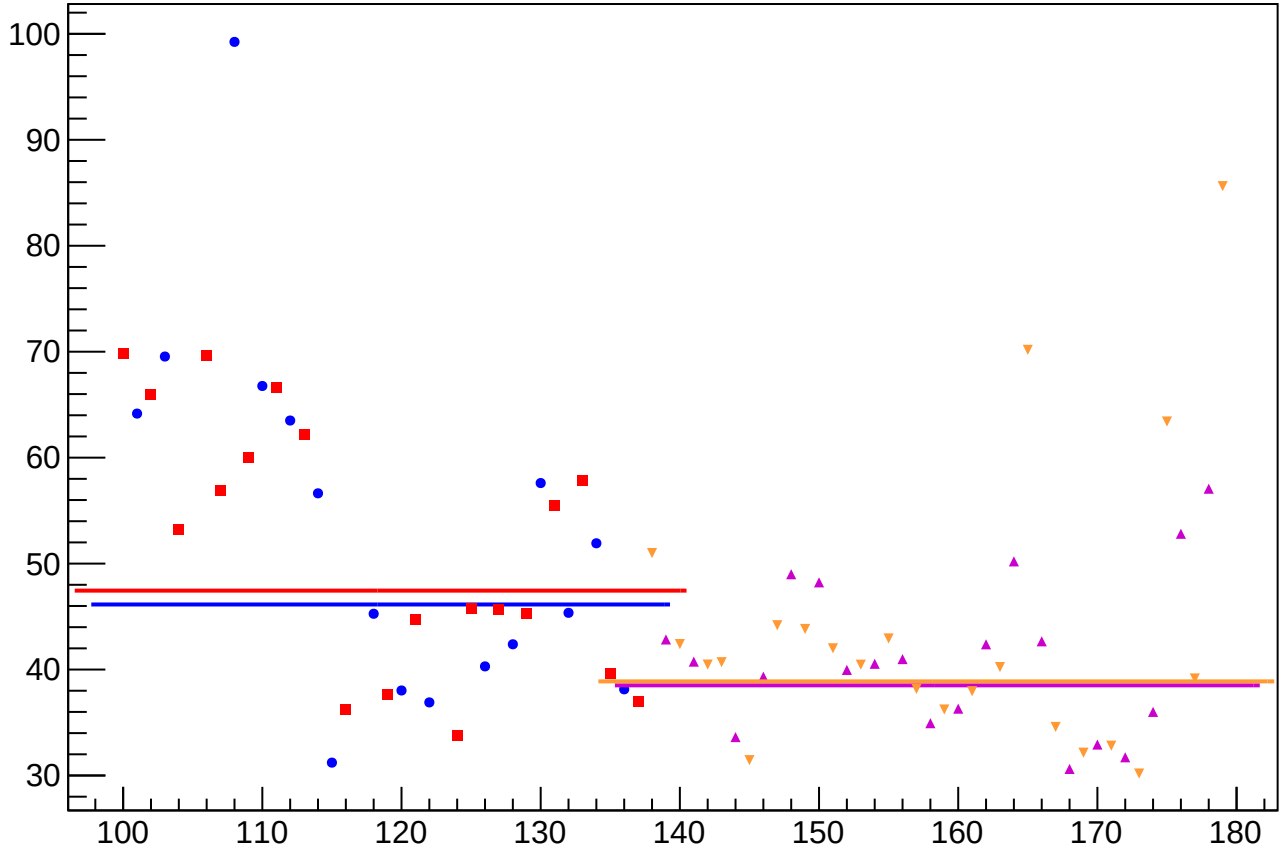
Left In: -0.007+/-0.010 χ^2/NDF:29.2/19

+ sign 0.002+/-0.009 χ^2/NDF: 45.5/37

All: -0.001+/-0.006 χ^2/NDF: 89.1/76

- sign -0.005+/-0.009 χ^2/NDF: 43.3/38

asym_sam_24_68_dd_dit_vs_cor_diff_rms vs Slug



Right In: 46.141+/-0.013 χ^2/NDF: 903280.2/15

Left Out: 38.884+/-0.007 χ^2/NDF:1457952.8/21

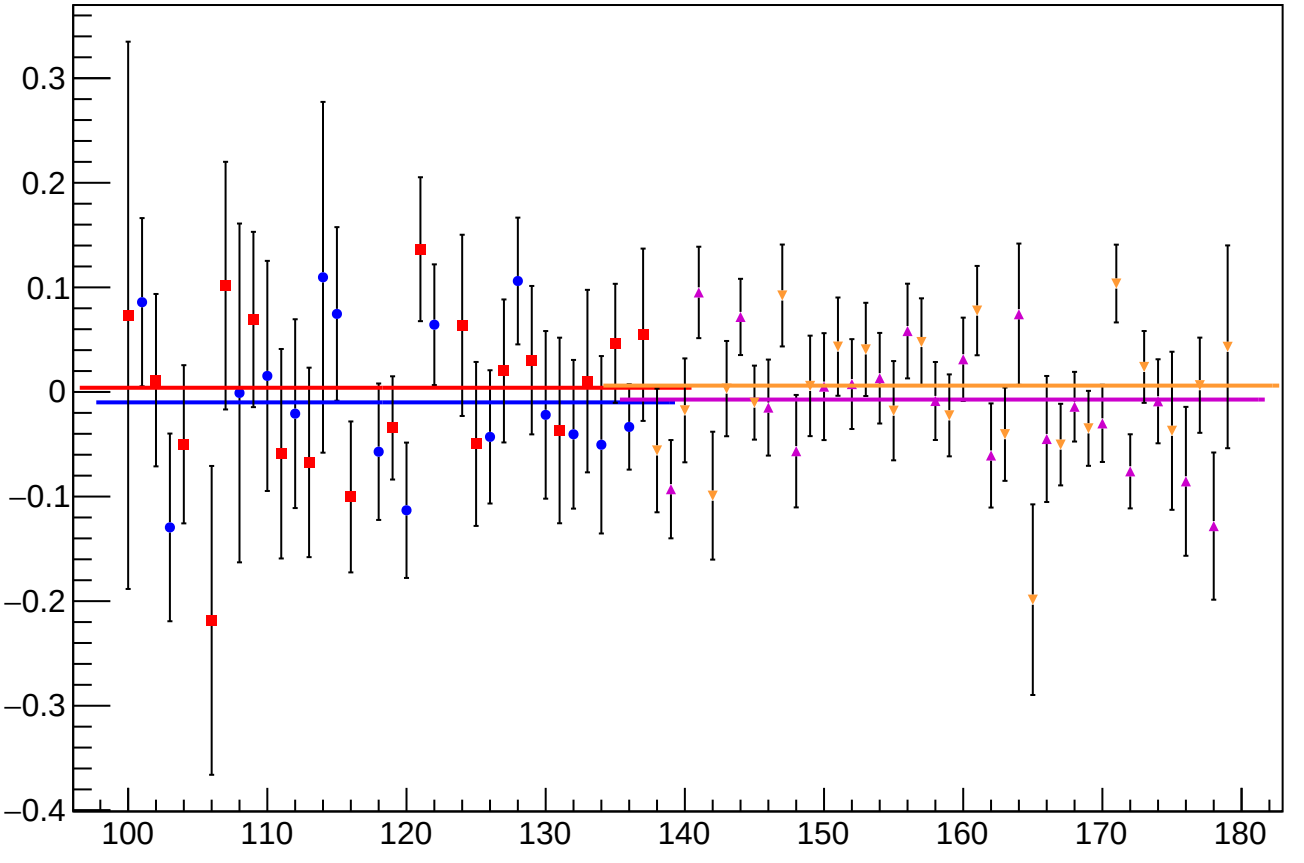
Right Out: 47.450+/-0.013 χ^2/NDF: 654693.6/18

Left In: 38.508+/-0.007 χ^2/NDF:785221.2/19

+ sign 40.514+/-0.006 χ^2/NDF: 2613540.6/37

All: 40.542+/-0.004 χ^2/NDF: 4429321.6/76

- sign 40.570+/-0.006 χ^2/NDF: 1815738.6/38



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.006+/-0.010 χ^2/NDF:30.6/21

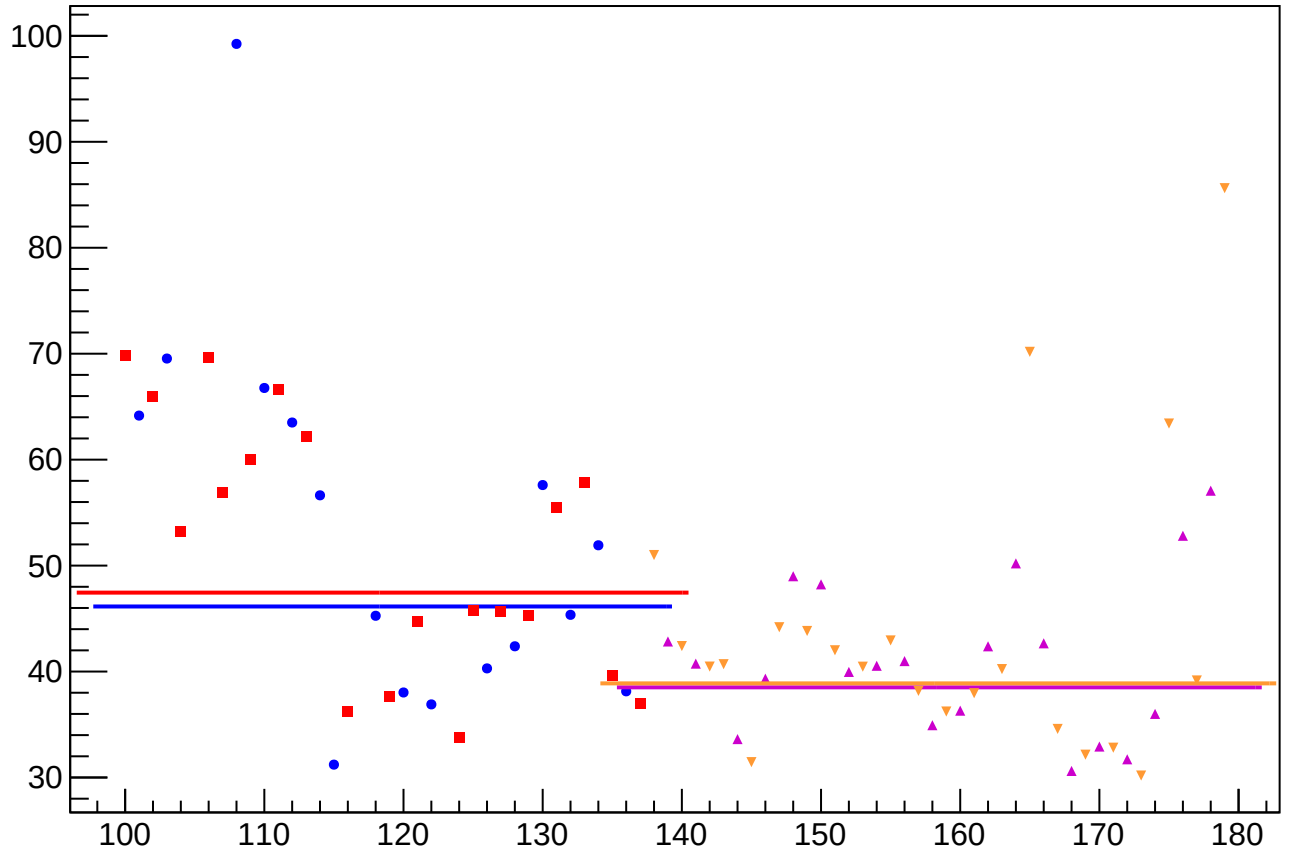
Right Out: 0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: -0.007+/-0.010 χ^2/NDF:29.2/19

+ sign 0.002+/-0.009 χ^2/NDF: 45.5/37

All: -0.001+/-0.006 χ^2/NDF: 89.1/76

- sign -0.005+/-0.009 χ^2/NDF: 43.3/38



Right In: 46.141+/-0.013 χ^2/NDF: 903280.2/15

Left Out: 38.884+/-0.007 χ^2/NDF:1457952.8/21

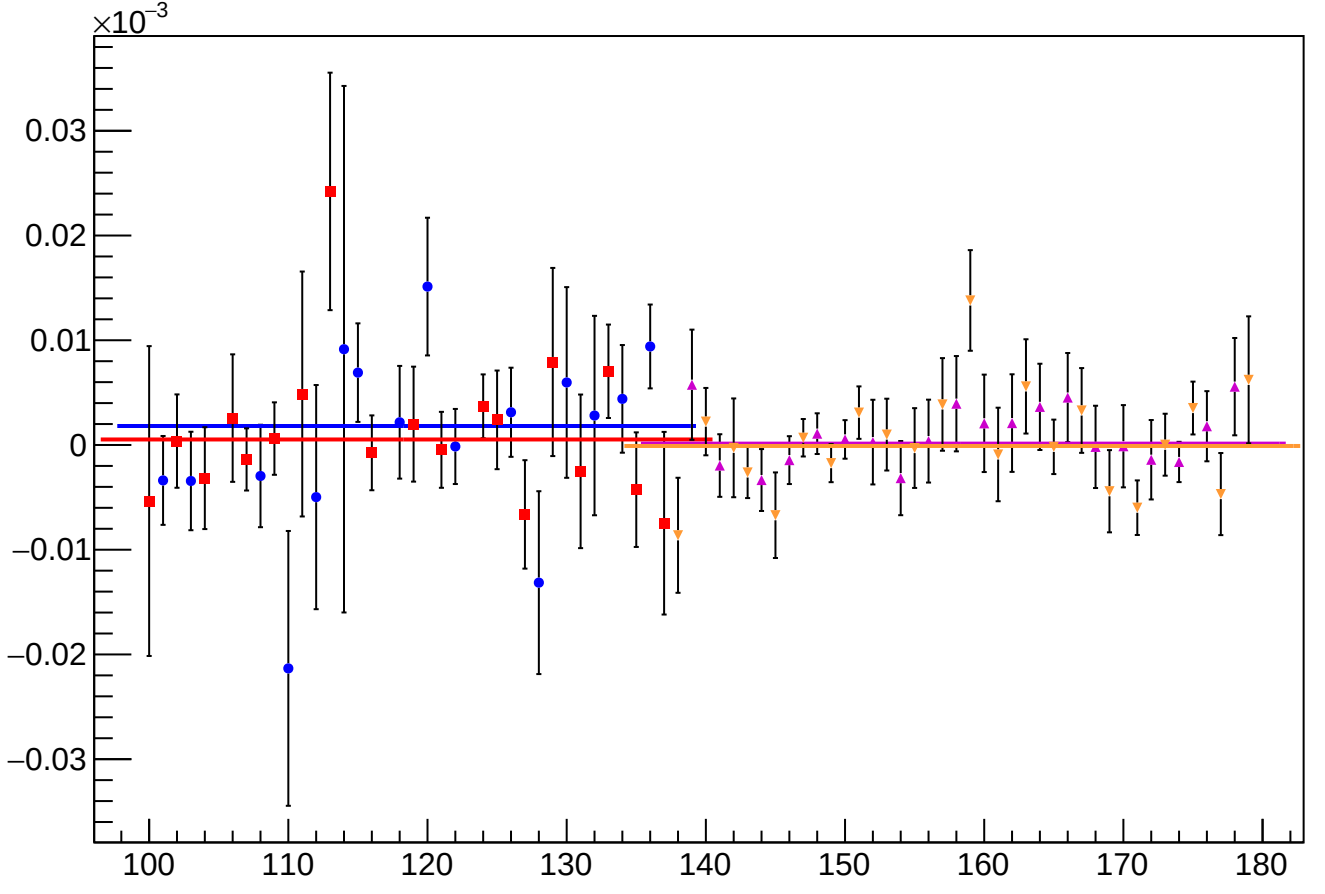
Right Out: 47.450+/-0.013 χ^2/NDF: 654693.6/18

Left In: 38.508+/-0.007 χ^2/NDF:785221.2/19

+ sign 40.514+/-0.006 χ^2/NDF: 2613540.6/37

All: 40.542+/-0.004 χ^2/NDF: 4429321.6/76

- sign 40.570+/-0.006 χ^2/NDF: 1815738.6/38



Right In: 0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:31.7/21

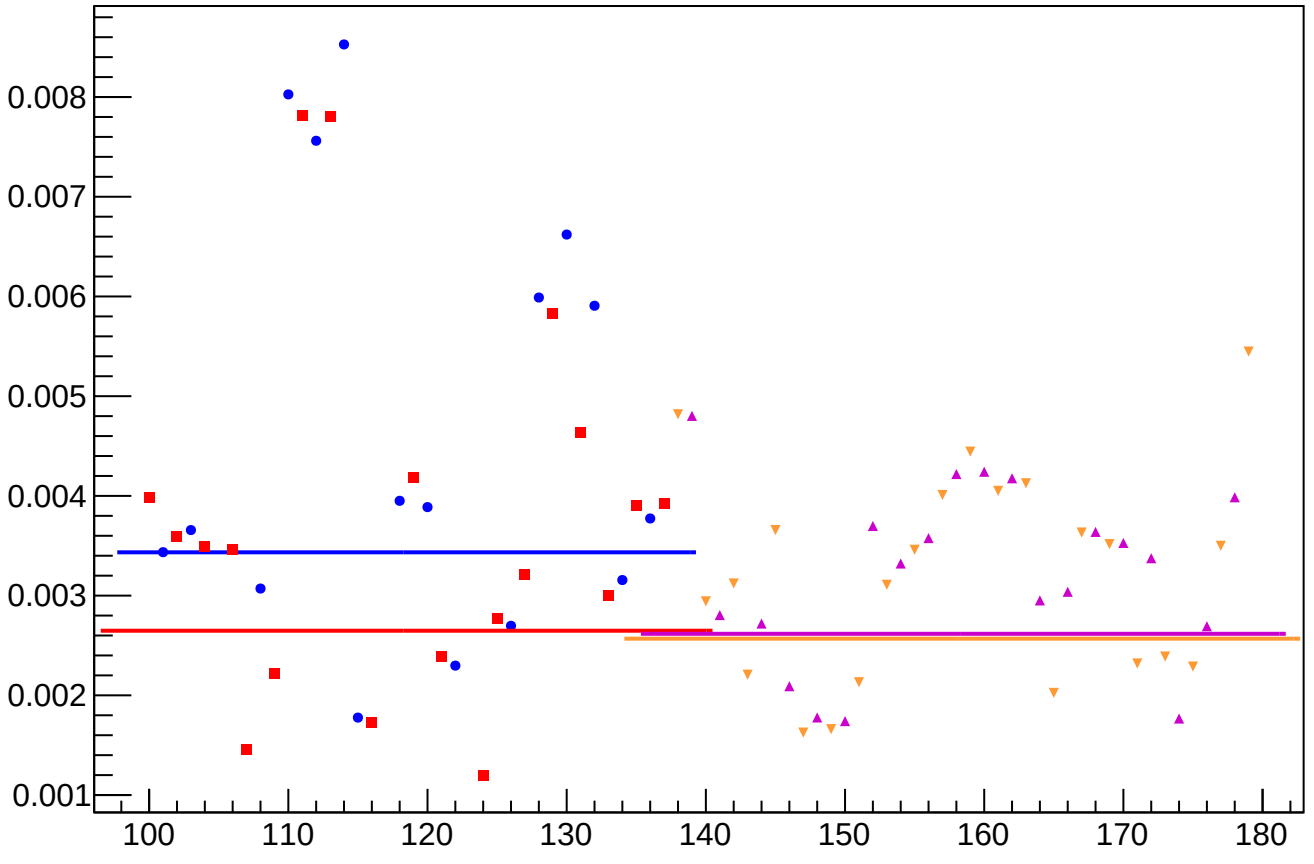
Right Out: 0.000+/-0.000 χ^2/NDF: 13.8/18

Left In: 0.000+/-0.000 χ^2/NDF:10.1/19

+ sign 0.000+/-0.000 χ^2/NDF: 53.2/37

All: 0.000+/-0.000 χ^2/NDF: 77.2/76

- sign 0.000+/-0.000 χ^2/NDF: 24.0/38



Right In: 0.003+/-0.000 χ^2/NDF: 1748561.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:3782069.3/21

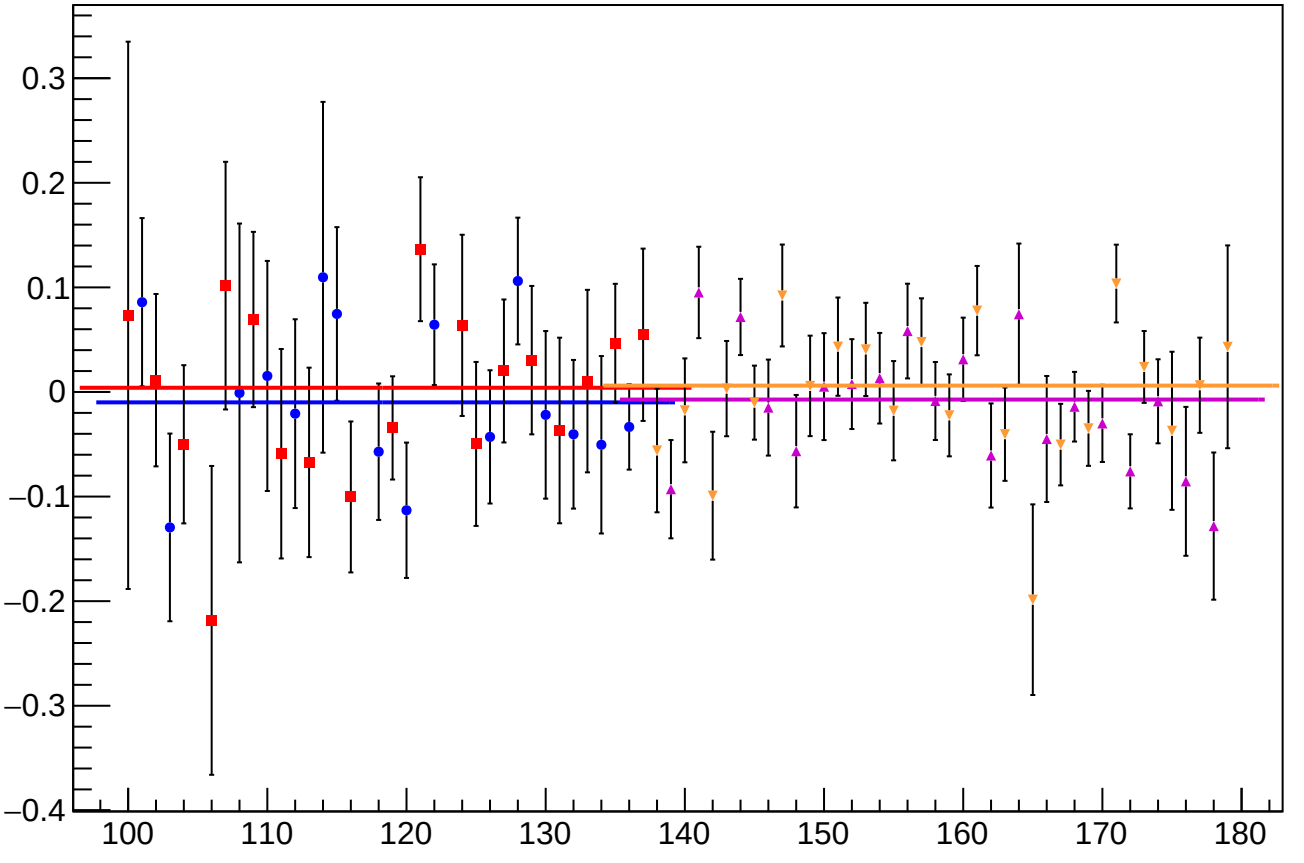
Right Out: 0.003+/-0.000 χ^2/NDF: 2696872.6/18

Left In: 0.003+/-0.000 χ^2/NDF:3263264.0/19

+ sign 0.003+/-0.000 χ^2/NDF: 6178375.2/37

All: 0.003+/-0.000 χ^2/NDF: 12170836.9/76

- sign 0.003+/-0.000 χ^2/NDF: 5961277.3/38



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.006+/-0.010 χ^2/NDF:30.6/21

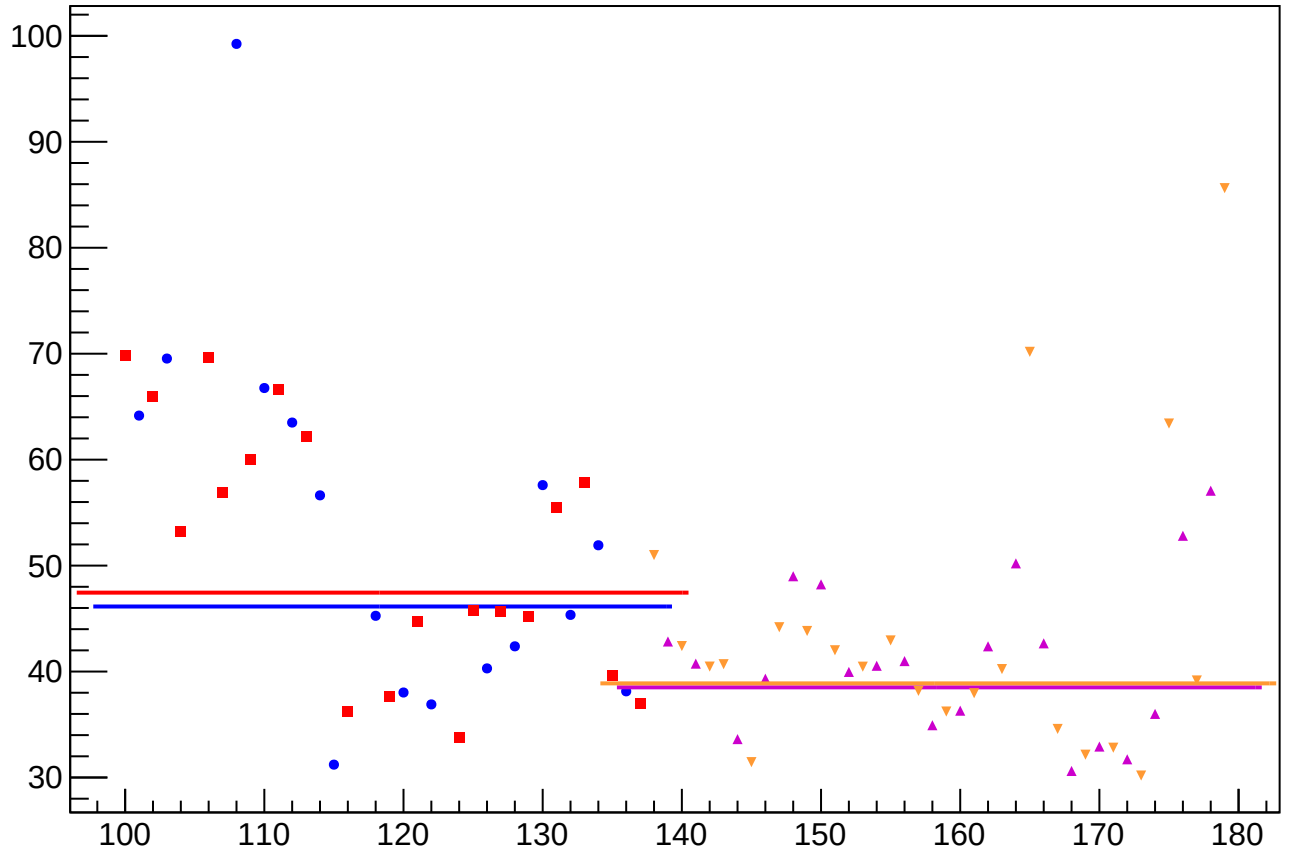
Right Out: 0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: -0.007+/-0.010 χ^2/NDF:29.2/19

+ sign 0.002+/-0.009 χ^2/NDF: 45.5/37

All: -0.001+/-0.006 χ^2/NDF: 89.1/76

- sign -0.005+/-0.009 χ^2/NDF: 43.3/38



Right In: 46.140+/-0.013 χ^2/NDF: 903251.1/15

Left Out: 38.884+/-0.007 χ^2/NDF:1457999.7/21

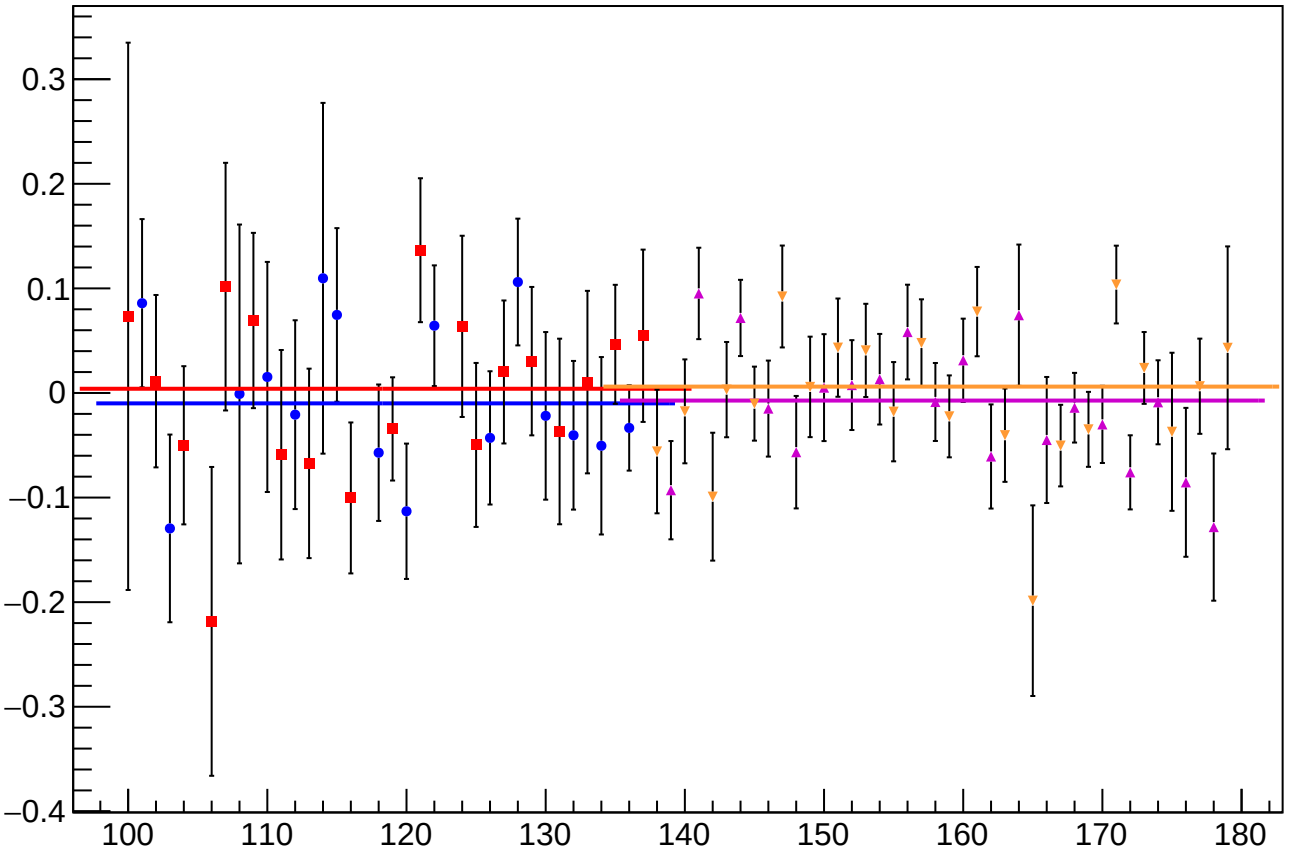
Right Out: 47.448+/-0.013 χ^2/NDF: 654687.8/18

Left In: 38.508+/-0.007 χ^2/NDF:785262.1/19

+ sign 40.514+/-0.006 χ^2/NDF: 2613456.2/37

All: 40.541+/-0.004 χ^2/NDF: 4429201.5/76

- sign 40.570+/-0.006 χ^2/NDF: 1815703.2/38



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.006+/-0.010 χ^2/NDF:30.6/21

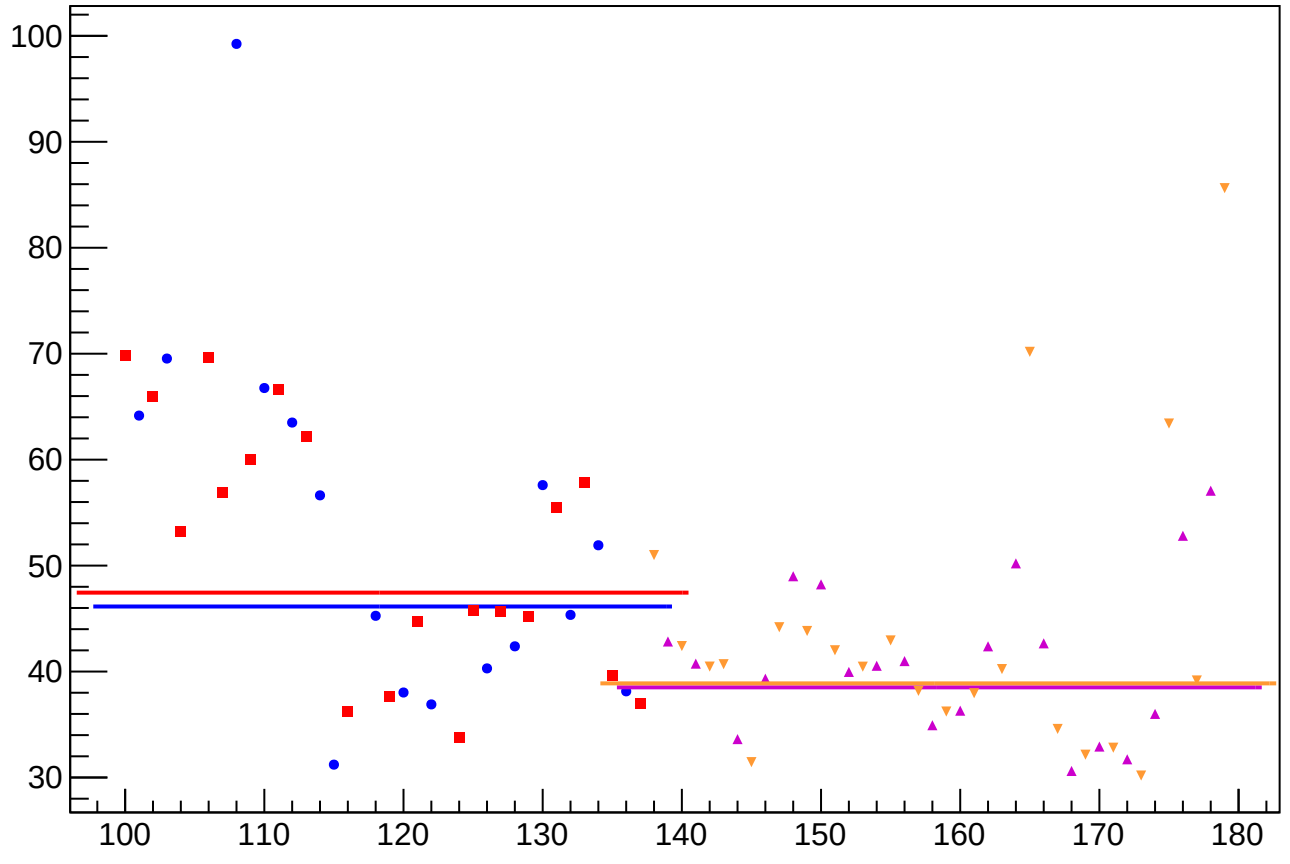
Right Out: 0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: -0.007+/-0.010 χ^2/NDF:29.2/19

+ sign 0.002+/-0.009 χ^2/NDF: 45.5/37

All: -0.001+/-0.006 χ^2/NDF: 89.1/76

- sign -0.005+/-0.009 χ^2/NDF: 43.3/38



Right In: 46.140+/-0.013 χ^2/NDF: 903251.1/15

Left Out: 38.884+/-0.007 χ^2/NDF:1457999.7/21

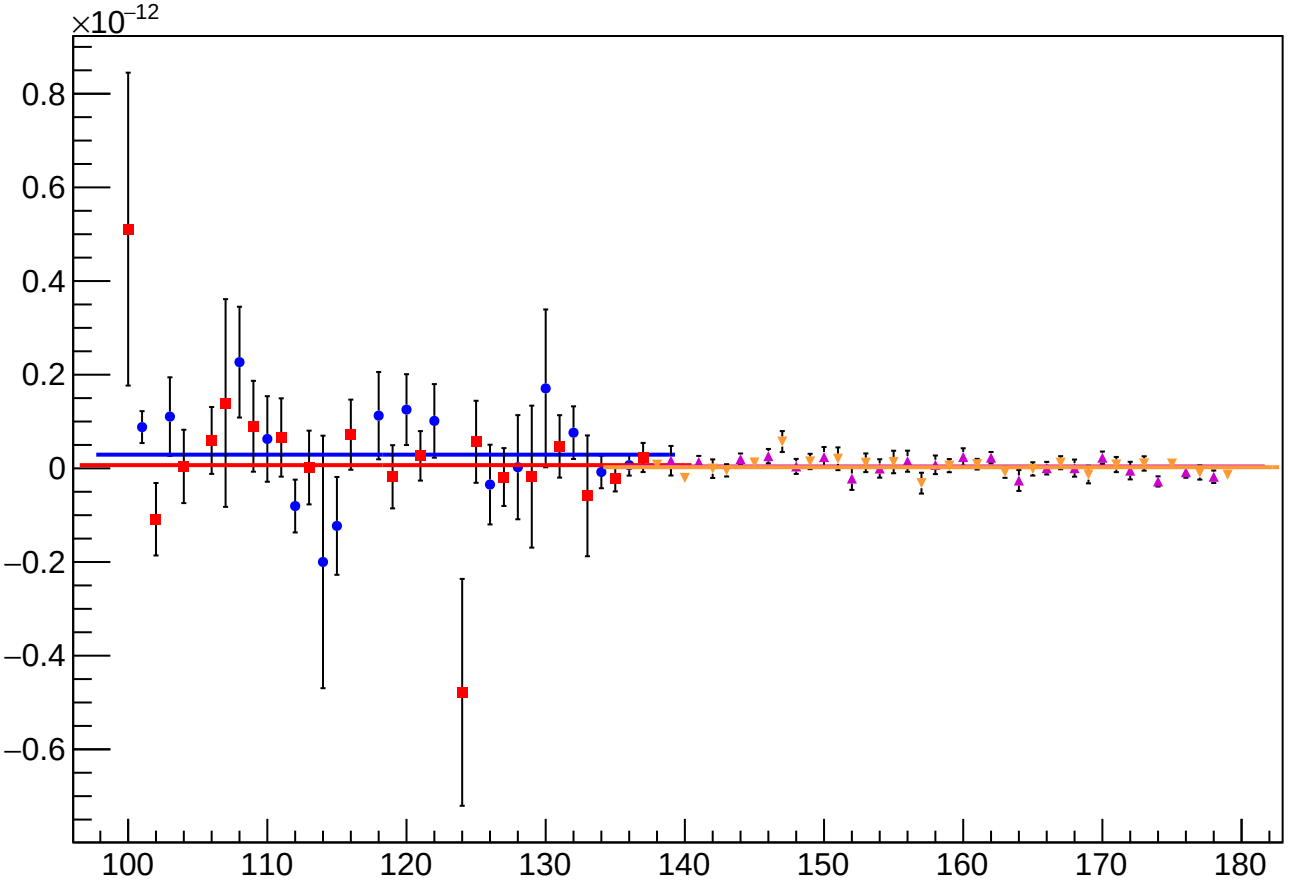
Right Out: 47.448+/-0.013 χ^2/NDF: 654687.8/18

Left In: 38.508+/-0.007 χ^2/NDF:785262.1/19

+ sign 40.514+/-0.006 χ^2/NDF: 2613456.2/37

All: 40.541+/-0.004 χ^2/NDF: 4429201.5/76

- sign 40.570+/-0.006 χ^2/NDF: 1815703.2/38



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:22.5/21

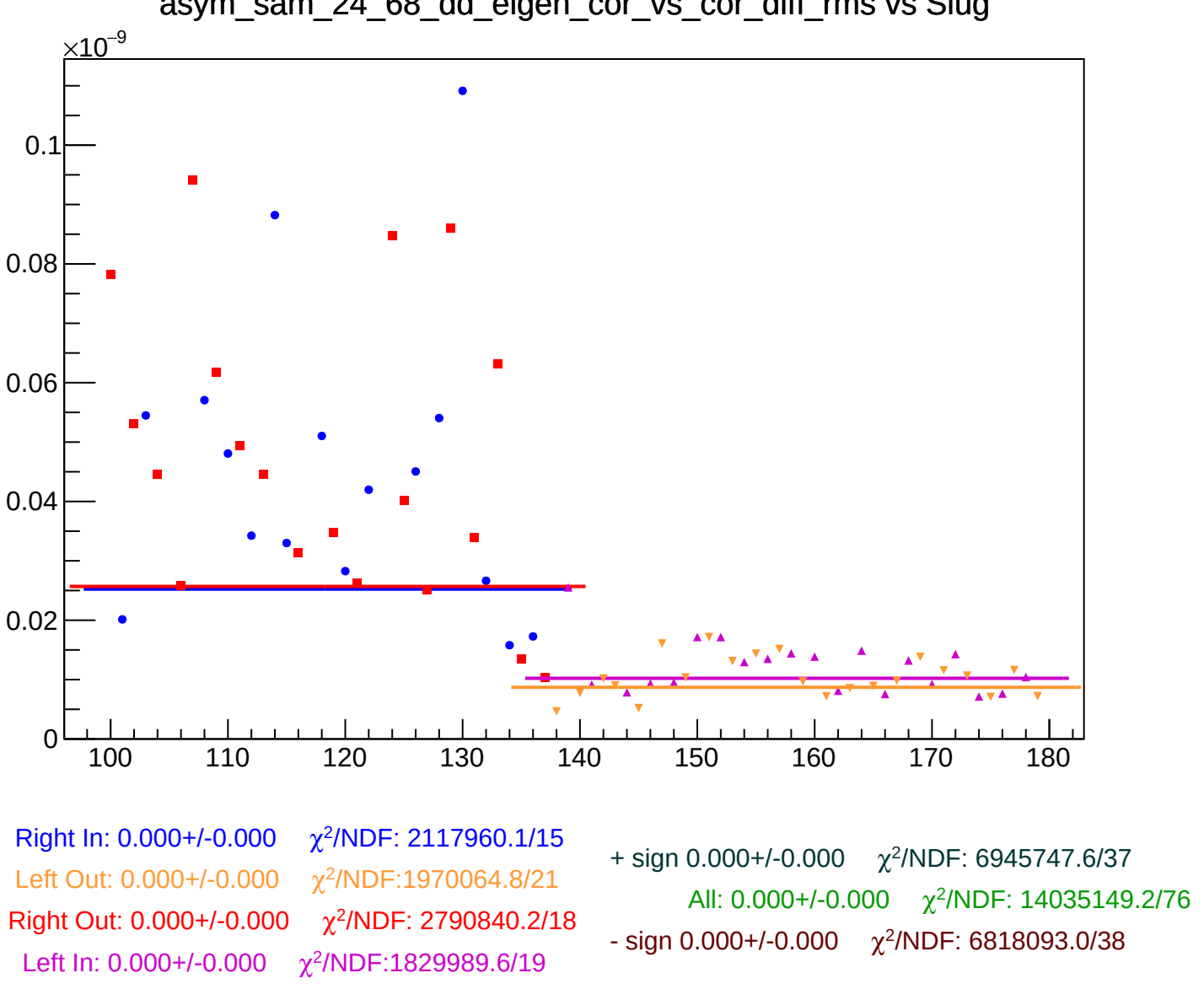
Right Out: 0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: 0.000+/-0.000 χ^2/NDF:27.0/19

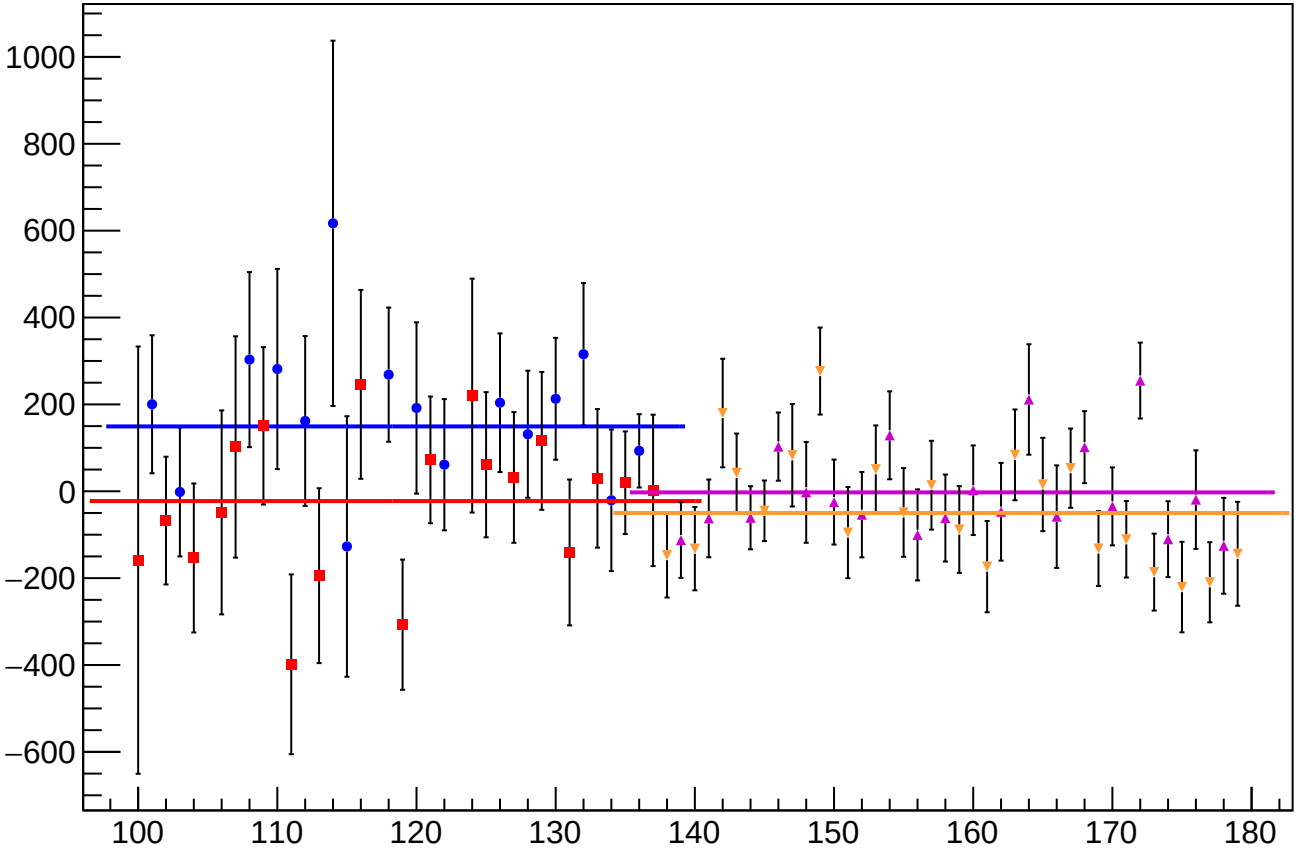
+ sign 0.000+/-0.000 χ^2/NDF: 47.1/37

All: 0.000+/-0.000 χ^2/NDF: 88.4/76

- sign 0.000+/-0.000 χ^2/NDF: 41.3/38


asym_sam_24_68_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−9
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2117960.1/15
Left Out: 0.000+/-0.000 χ²/NDF:1970064.8/21
Right Out: 0.000+/-0.000 χ²/NDF: 2790840.2/18
Left In: 0.000+/-0.000 χ²/NDF:1829989.6/19
+ sign 0.000+/-0.000 χ²/NDF: 6945747.6/37
All: 0.000+/-0.000 χ²/NDF: 14035149.2/76
- sign 0.000+/-0.000 χ²/NDF: 6818093.0/38

reg_asym_sam_26_48_dd_mean vs Slug



Right In: 149.303+/-39.687 χ^2/NDF: 8.0/15

Left Out: -49.975+/-20.773 χ^2/NDF:34.5/21

Right Out: -22.549+/-40.100 χ^2/NDF: 14.2/18

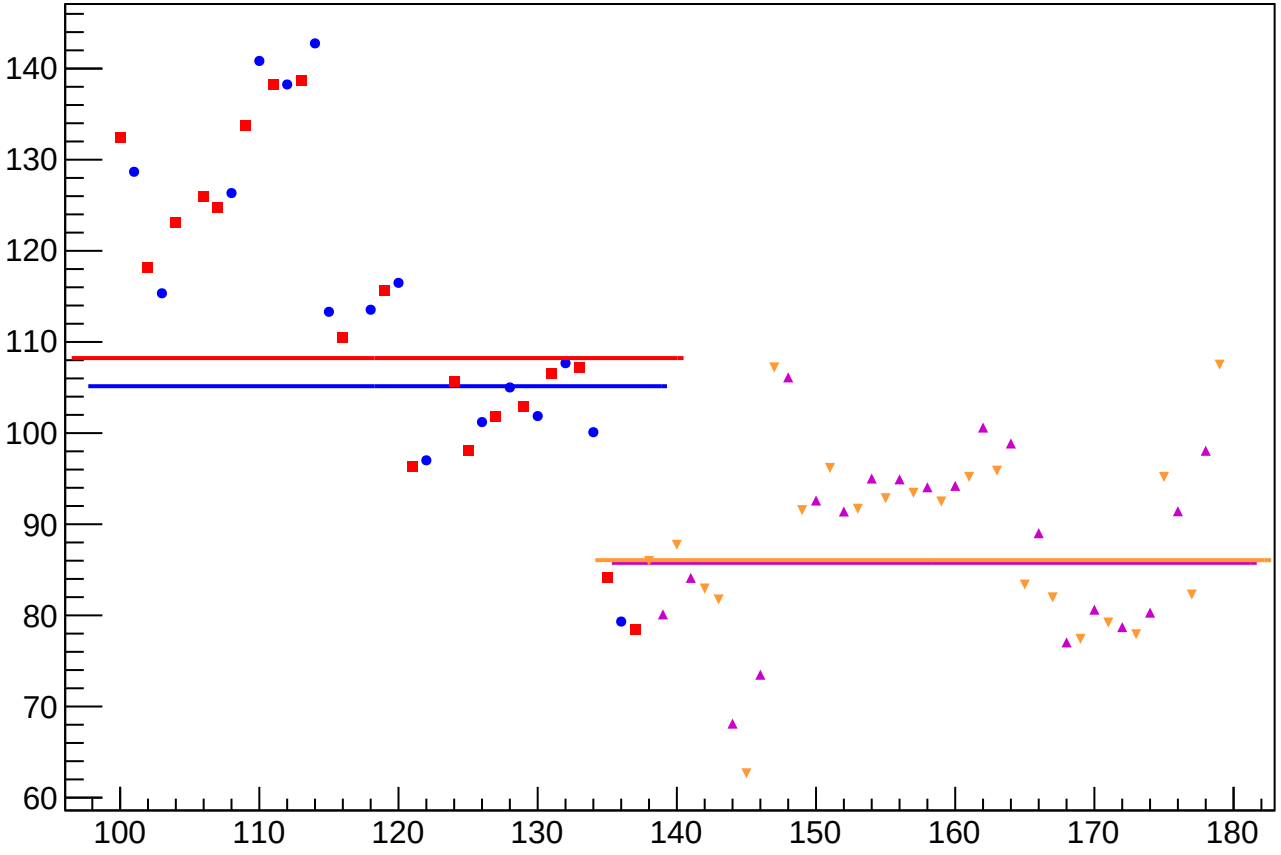
Left In: -2.565+/-21.431 χ^2/NDF:24.1/19

+ sign -7.119+/-18.405 χ^2/NDF: 62.3/37

All: -7.064+/-13.186 χ^2/NDF: 100.8/76

- sign -7.005+/-18.901 χ^2/NDF: 38.5/38

reg_asym_sam_26_48_dd_rms vs Slug



Right In: 105.146+/-0.028 χ^2/NDF: 408406.3/15

Left Out: 86.058+/-0.015 χ^2/NDF:524031.9/21

Right Out: 108.233+/-0.028 χ^2/NDF: 349936.1/18

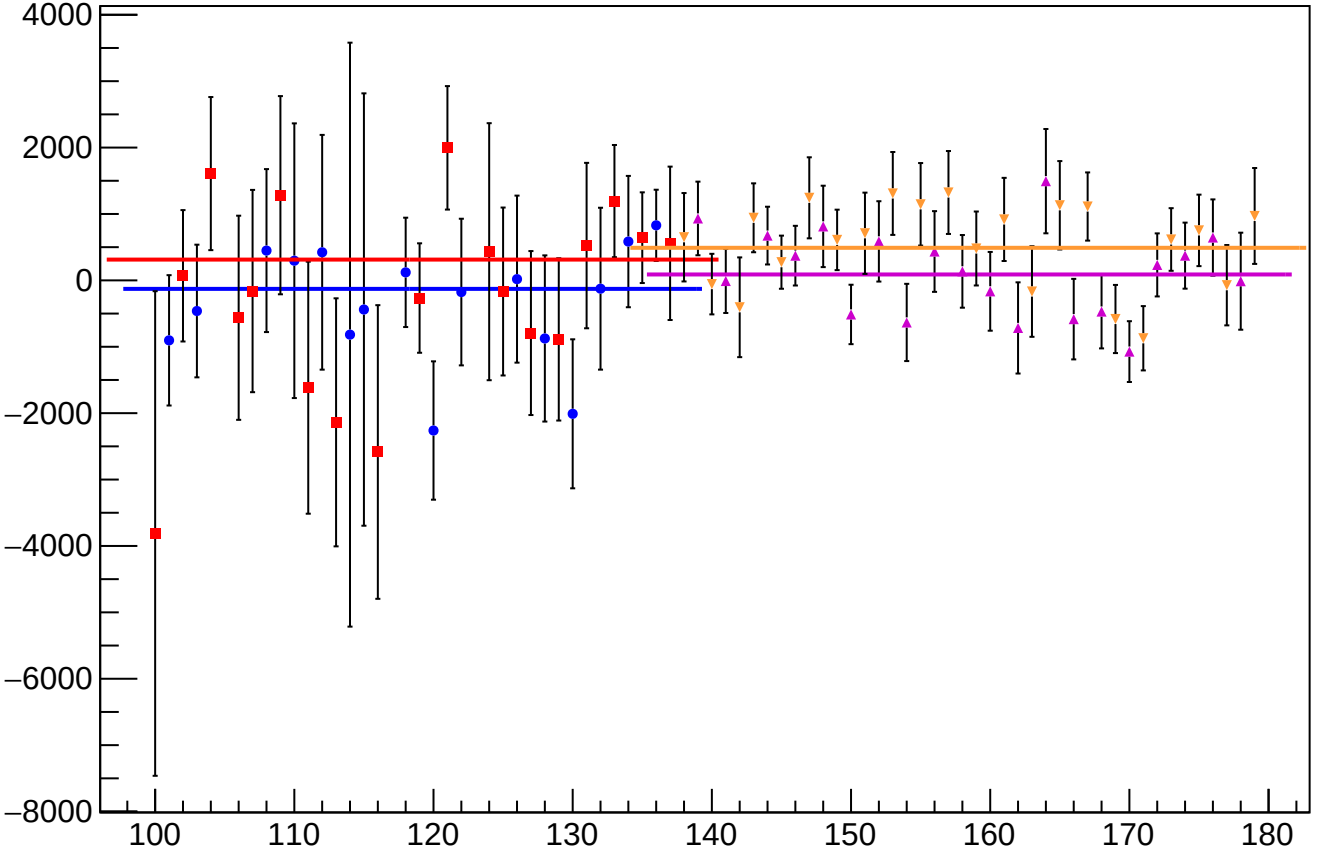
Left In: 85.765+/-0.015 χ^2/NDF:450046.2/19

+ sign 90.163+/-0.013 χ^2/NDF: 1295598.7/37

All: 90.452+/-0.009 χ^2/NDF: 2584941.8/76

- sign 90.757+/-0.013 χ^2/NDF: 1288330.4/38

asym_sam_26_48_dd_reg_correction_mean vs Slug



Right In: -128.056+/-268.611 χ^2/NDF: 12.3/15

Left Out: 490.442+/-118.409 χ^2/NDF:28.0/21

Right Out: 313.031+/-270.131 χ^2/NDF: 15.0/18

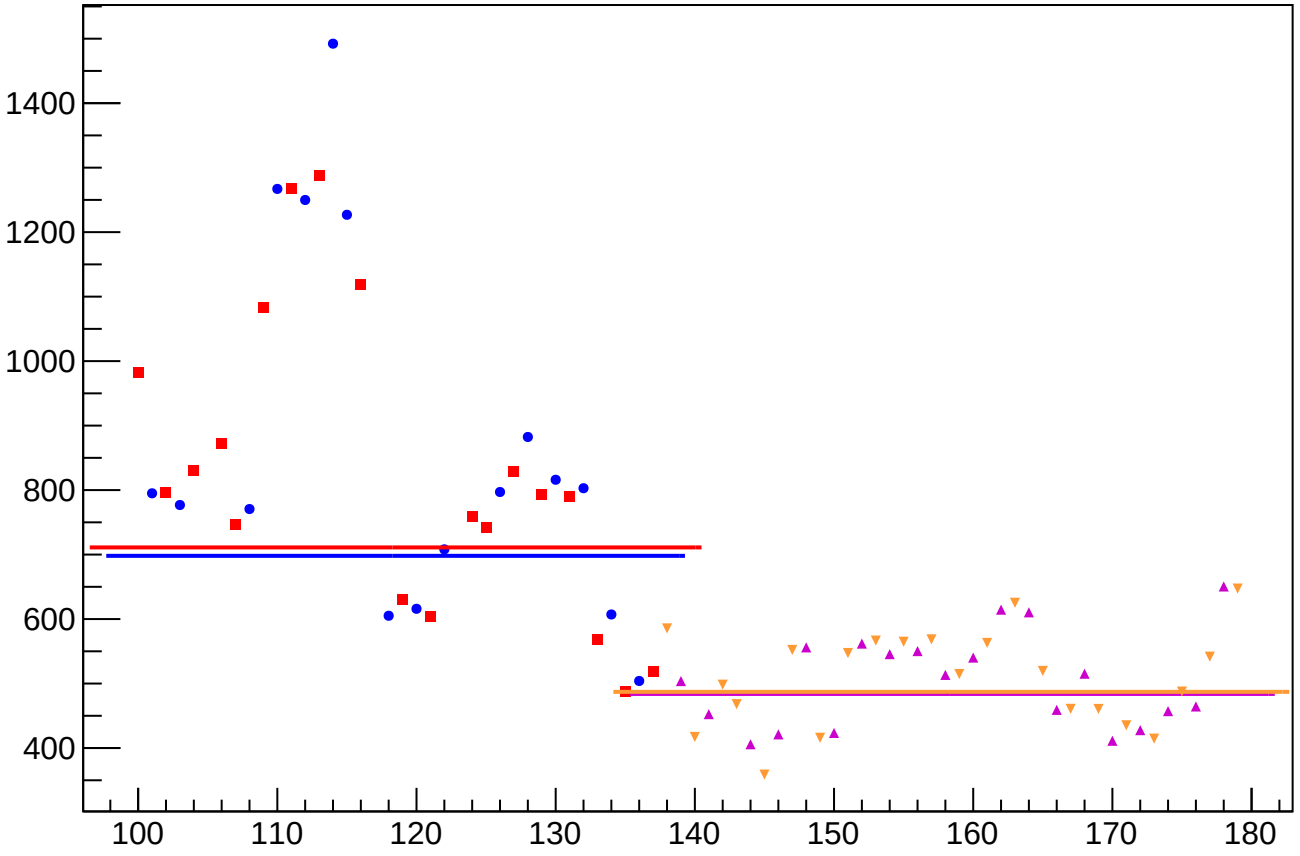
Left In: 88.918+/-121.363 χ^2/NDF:25.1/19

+ sign 389.810+/-108.348 χ^2/NDF: 44.7/37

All: 261.014+/-77.433 χ^2/NDF: 88.3/76

- sign 126.558+/-110.704 χ^2/NDF: 40.7/38

asym_sam_26_48_dd_reg_correction_rms vs Slug



Right In: 698.055+/-0.190 χ^2/NDF: 912851.5/15

Left Out: 487.140+/-0.084 χ^2/NDF:804793.2/21

Right Out: 711.088+/-0.191 χ^2/NDF: 1035118.4/18

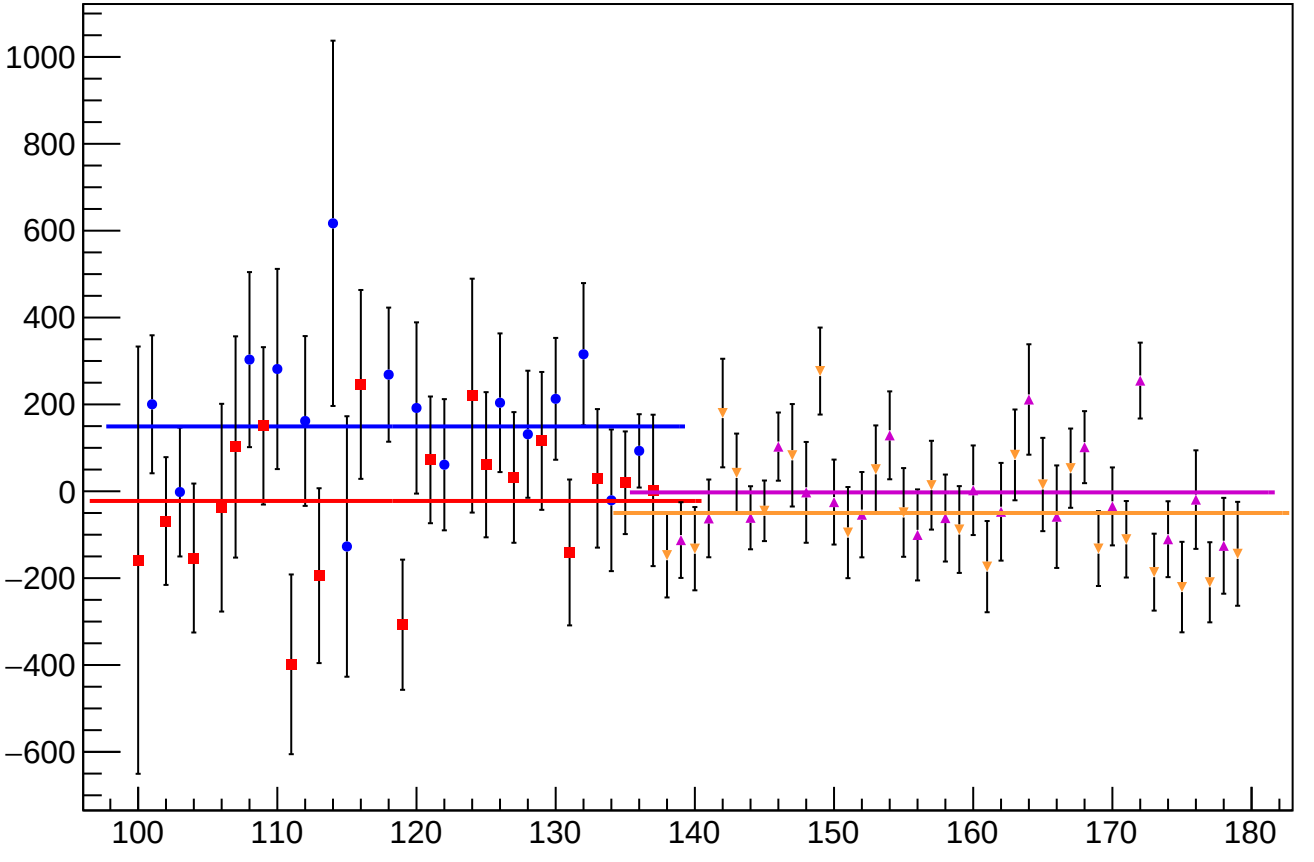
Left In: 483.869+/-0.086 χ^2/NDF:606634.6/19

+ sign 521.457+/-0.077 χ^2/NDF: 2750104.5/37

All: 521.737+/-0.055 χ^2/NDF: 5569271.9/76

- sign 522.030+/-0.078 χ^2/NDF: 2819139.9/38

cor_asym_sam_26_48_dd_mean vs Slug



Right In: 149.294+/-39.687 χ^2/NDF: 8.0/15

Left Out: -49.979+/-20.773 χ^2/NDF:34.5/21

Right Out: -22.297+/-40.123 χ^2/NDF: 14.2/18

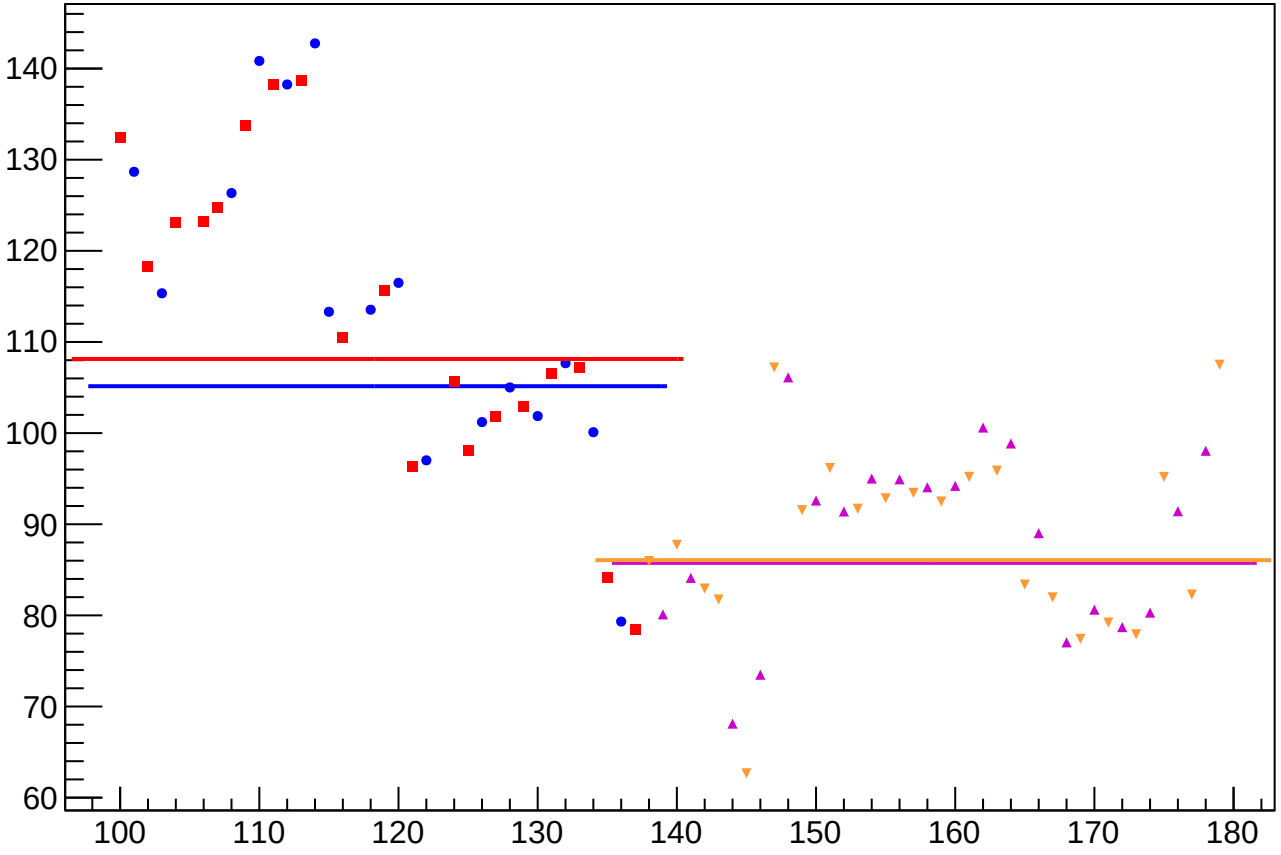
Left In: -2.564+/-21.431 χ^2/NDF:24.1/19

+ sign -7.124+/-18.405 χ^2/NDF: 62.3/37

All: -7.037+/-13.187 χ^2/NDF: 100.8/76

- sign -6.944+/-18.903 χ^2/NDF: 38.5/38

cor_asym_sam_26_48_dd_rms vs Slug



Right In: 105.146+/-0.028 χ^2/NDF: 408406.5/15

Left Out: 86.058+/-0.015 χ^2/NDF:524031.9/21

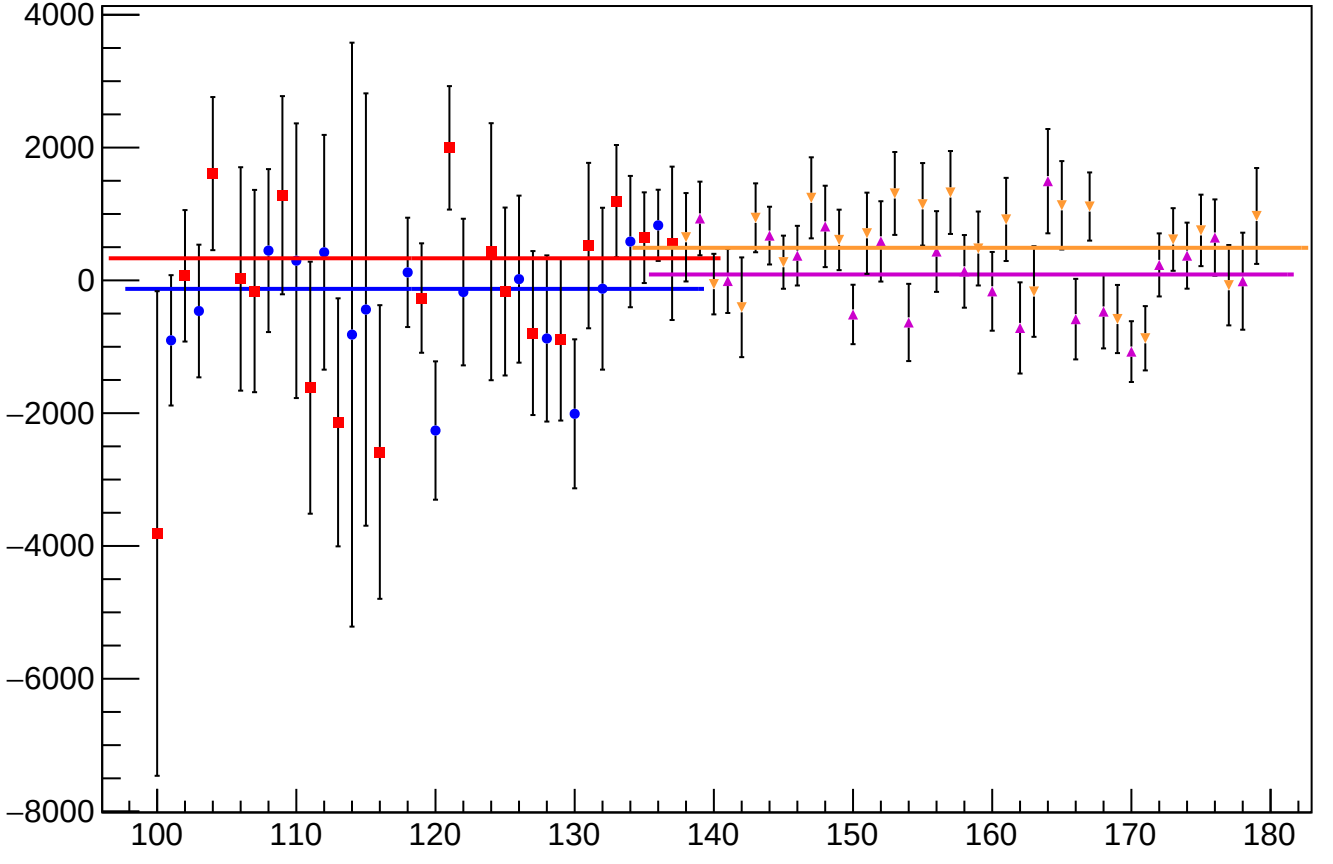
Right Out: 108.136+/-0.028 χ^2/NDF: 346321.9/18

Left In: 85.765+/-0.015 χ^2/NDF:450046.3/19

+ sign 90.163+/-0.013 χ^2/NDF: 1295599.1/37

All: 90.440+/-0.009 χ^2/NDF: 2576646.3/76

- sign 90.731+/-0.013 χ^2/NDF: 1280120.4/38



Right In: -128.047+/-268.611 χ^2/NDF: 12.3/15

Left Out: 490.440+/-118.409 χ^2/NDF:28.0/21

Right Out: 332.665+/-270.835 χ^2/NDF: 14.7/18

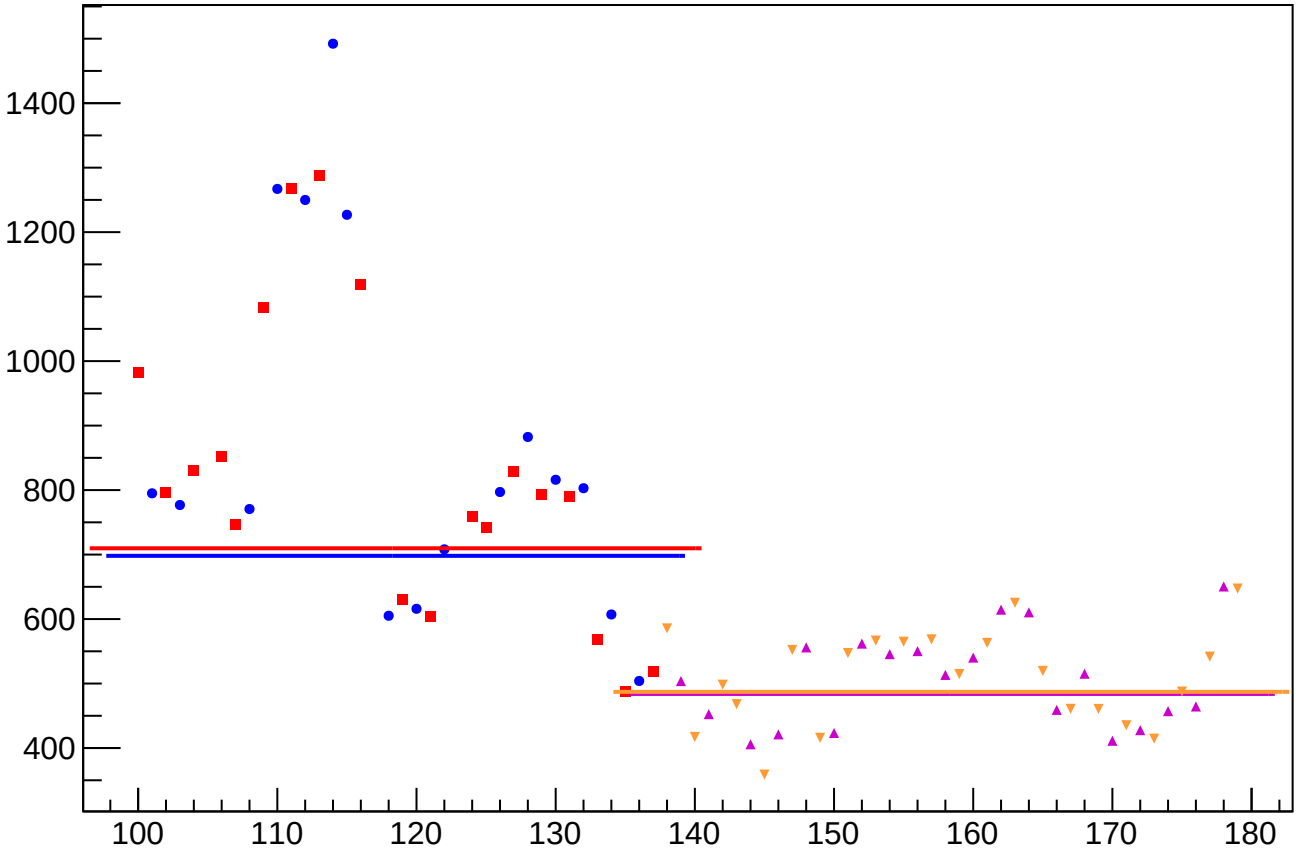
Left In: 88.919+/-121.363 χ^2/NDF:25.1/19

+ sign 389.810+/-108.348 χ^2/NDF: 44.7/37

All: 262.598+/-77.450 χ^2/NDF: 88.1/76

- sign 129.678+/-110.752 χ^2/NDF: 40.5/38

asym_sam_26_48_dd_cor_correction_rms vs Slug



Right In: 698.055+/-0.190 χ^2/NDF: 912861.2/15

Left Out: 487.140+/-0.084 χ^2/NDF:804790.2/21

Right Out: 709.748+/-0.192 χ^2/NDF: 1027114.2/18

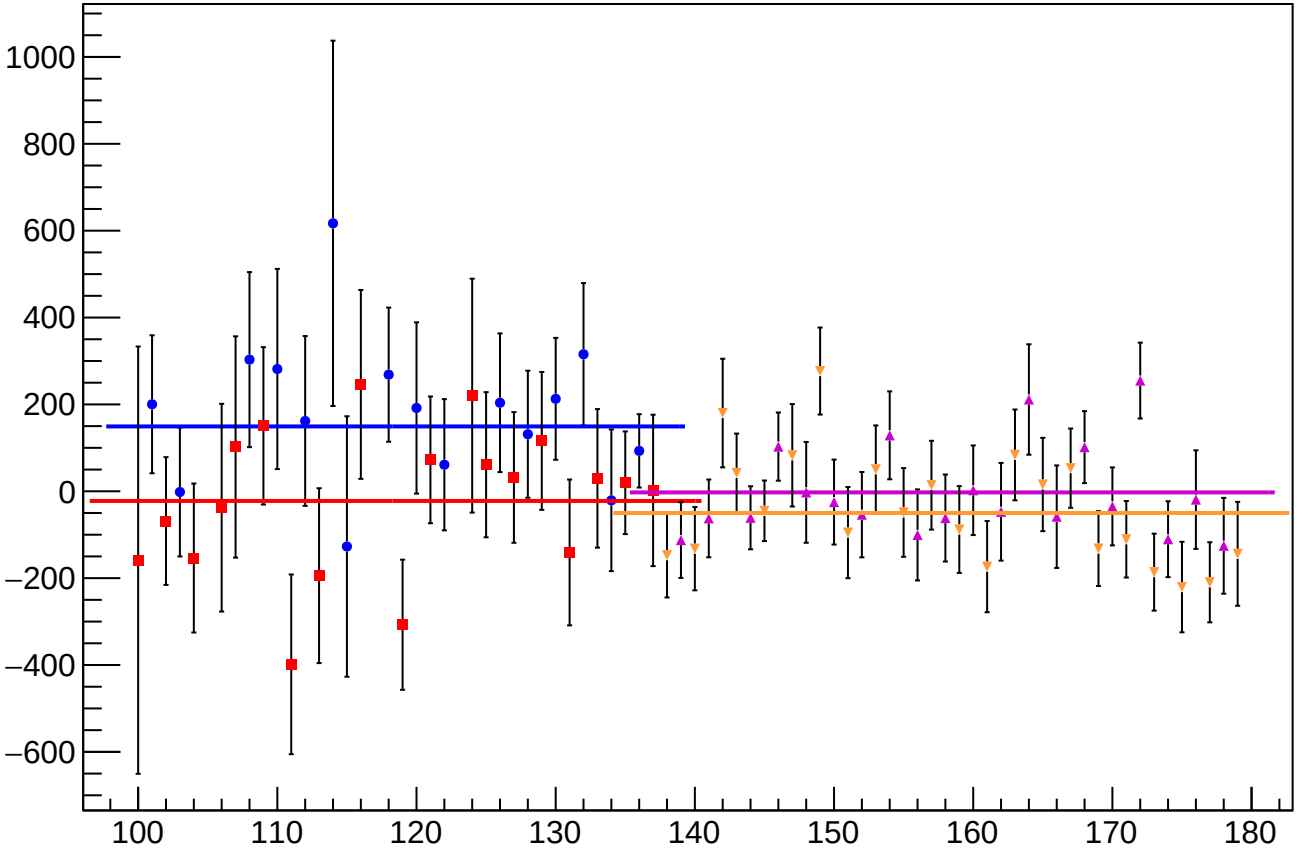
Left In: 483.869+/-0.086 χ^2/NDF:606638.5/19

+ sign 521.457+/-0.077 χ^2/NDF: 2750113.1/37

All: 521.547+/-0.055 χ^2/NDF: 5542382.4/76

- sign 521.641+/-0.078 χ^2/NDF: 2792266.5/38

eigen_cor_asym_sam_26_48_dd_mean vs Slug



Right In: 149.294+/-39.687 χ^2/NDF: 8.0/15

Left Out: -49.979+/-20.773 χ^2/NDF:34.5/21

Right Out: -22.297+/-40.123 χ^2/NDF: 14.2/18

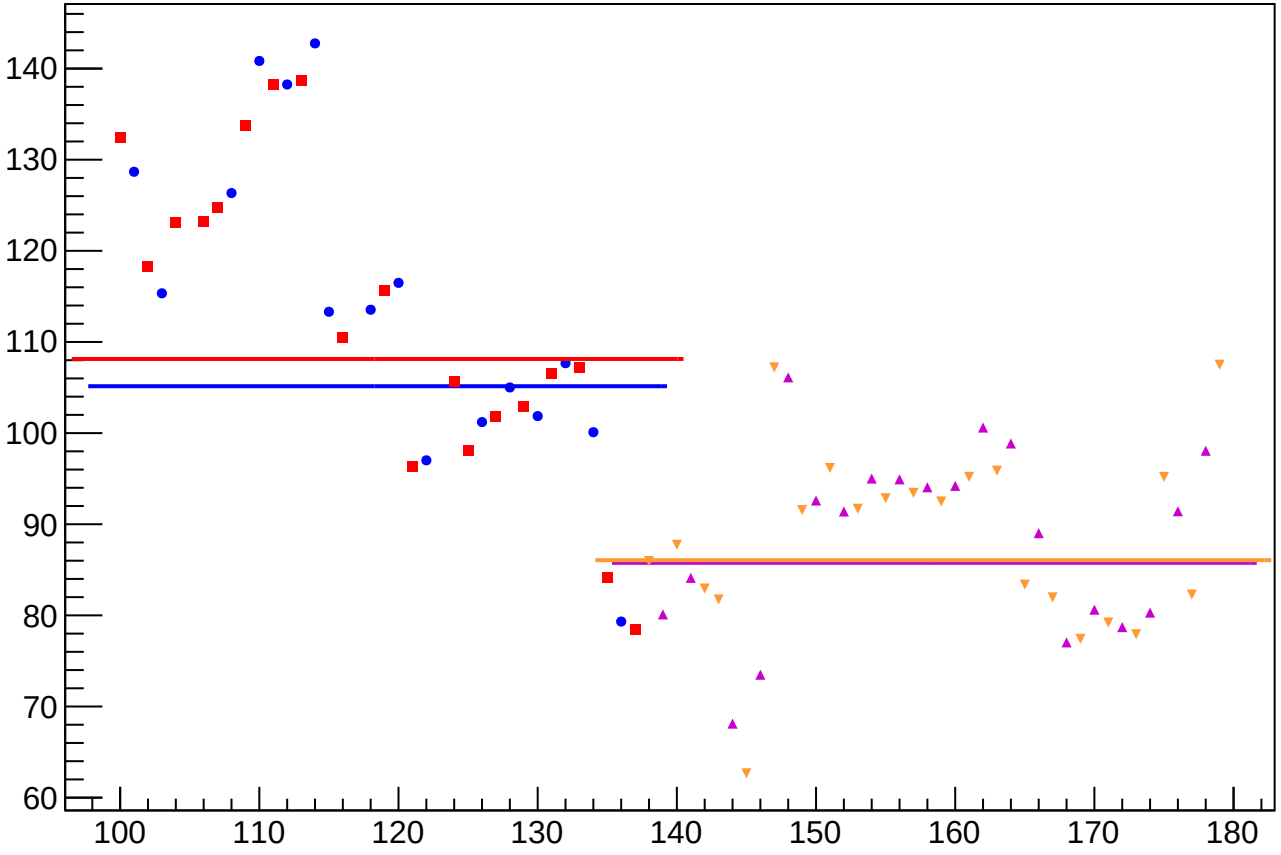
Left In: -2.564+/-21.431 χ^2/NDF:24.1/19

+ sign -7.124+/-18.405 χ^2/NDF: 62.3/37

All: -7.037+/-13.187 χ^2/NDF: 100.8/76

- sign -6.944+/-18.903 χ^2/NDF: 38.5/38

eigen_cor_asym_sam_26_48_dd_rms vs Slug



Right In: 105.146+/-0.028 χ^2/NDF: 408406.5/15

Left Out: 86.058+/-0.015 χ^2/NDF:524031.9/21

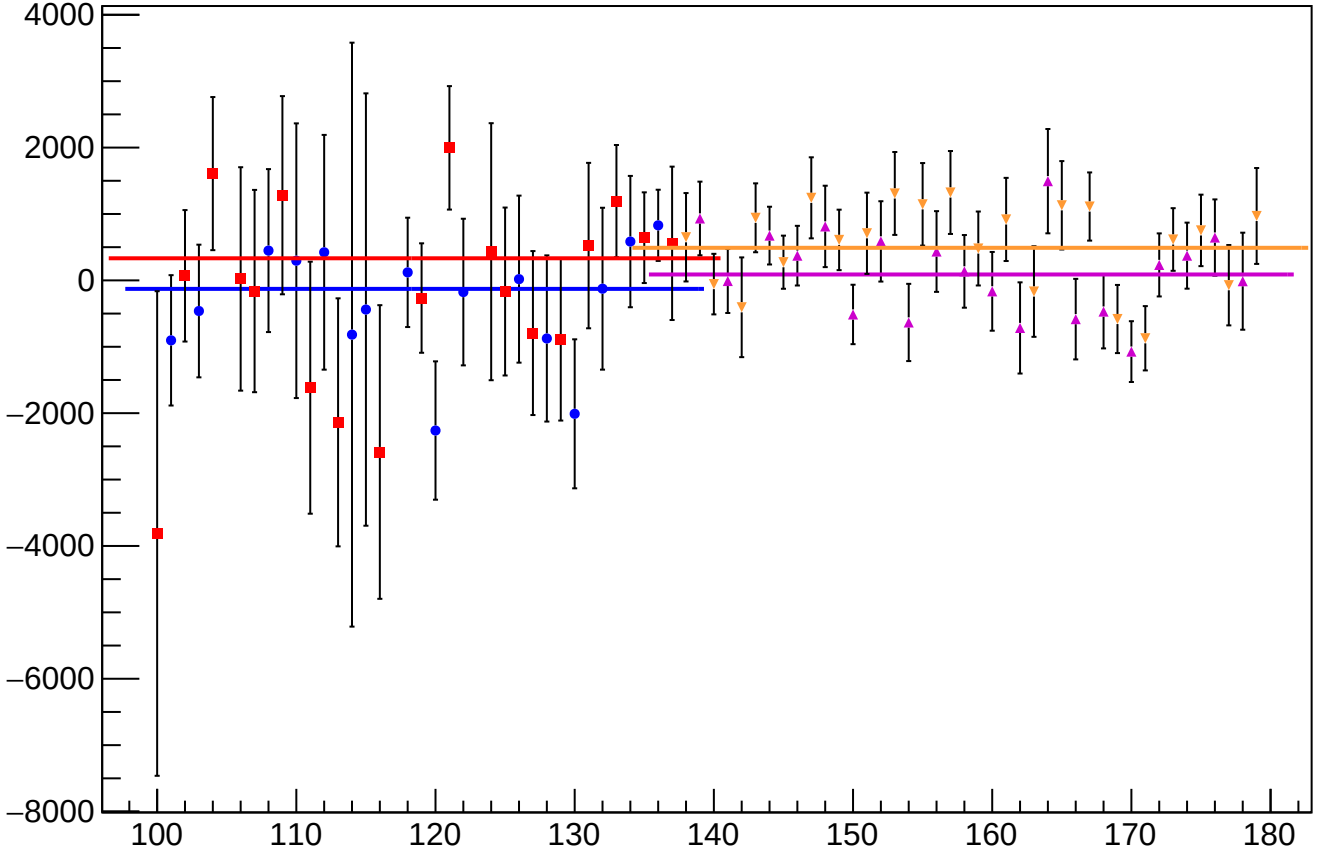
Right Out: 108.136+/-0.028 χ^2/NDF: 346321.9/18

Left In: 85.765+/-0.015 χ^2/NDF:450046.3/19

+ sign 90.163+/-0.013 χ^2/NDF: 1295599.1/37

All: 90.440+/-0.009 χ^2/NDF: 2576646.3/76

- sign 90.731+/-0.013 χ^2/NDF: 1280120.4/38



Right In: -128.047+/-268.611 χ^2/NDF: 12.3/15

Left Out: 490.440+/-118.409 χ^2/NDF:28.0/21

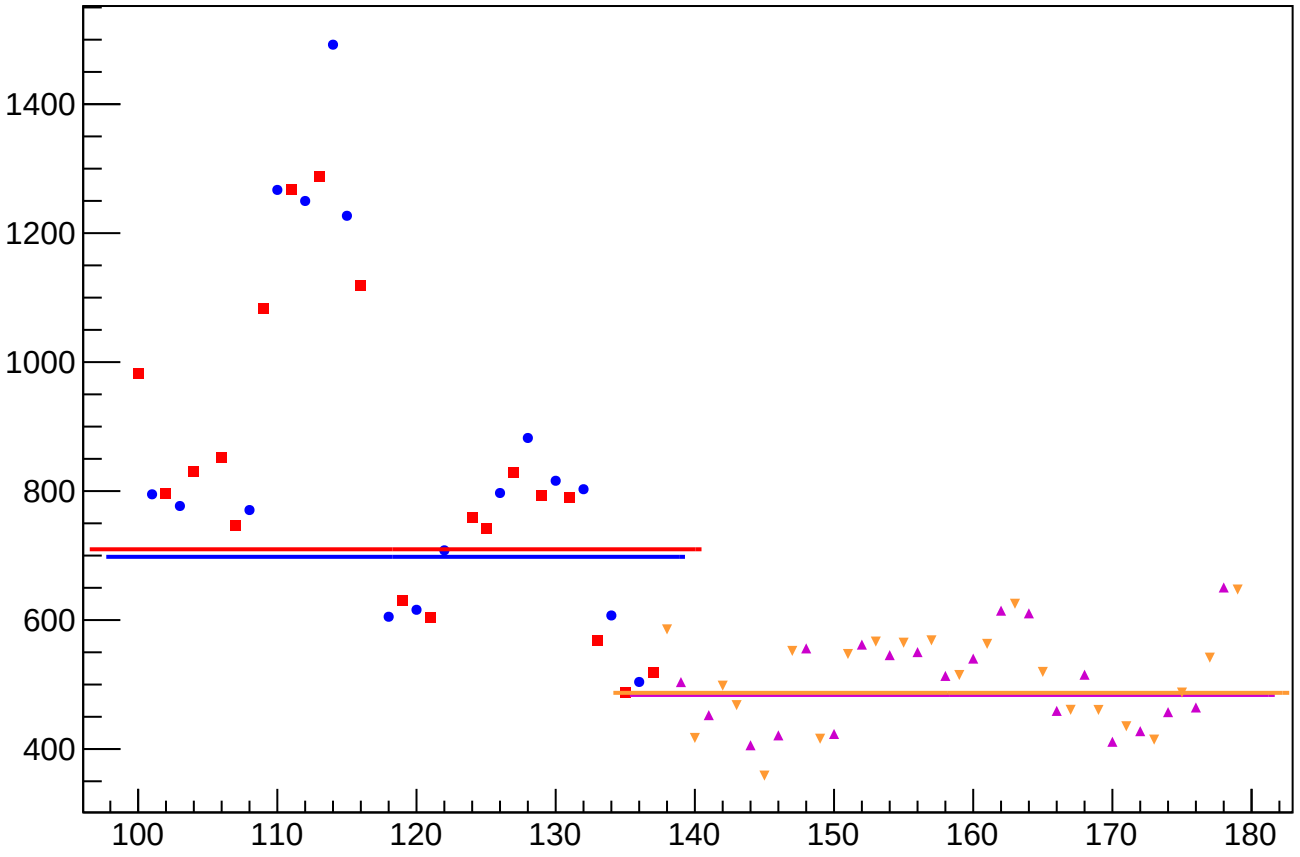
Right Out: 332.665+/-270.835 χ^2/NDF: 14.7/18

Left In: 88.919+/-121.363 χ^2/NDF:25.1/19

+ sign 389.810+/-108.348 χ^2/NDF: 44.7/37

All: 262.598+/-77.450 χ^2/NDF: 88.1/76

- sign 129.678+/-110.752 χ^2/NDF: 40.5/38



Right In: 698.055+/-0.190 χ^2/NDF: 912861.2/15

Left Out: 487.140+/-0.084 χ^2/NDF:804790.2/21

Right Out: 709.748+/-0.192 χ^2/NDF: 1027114.2/18

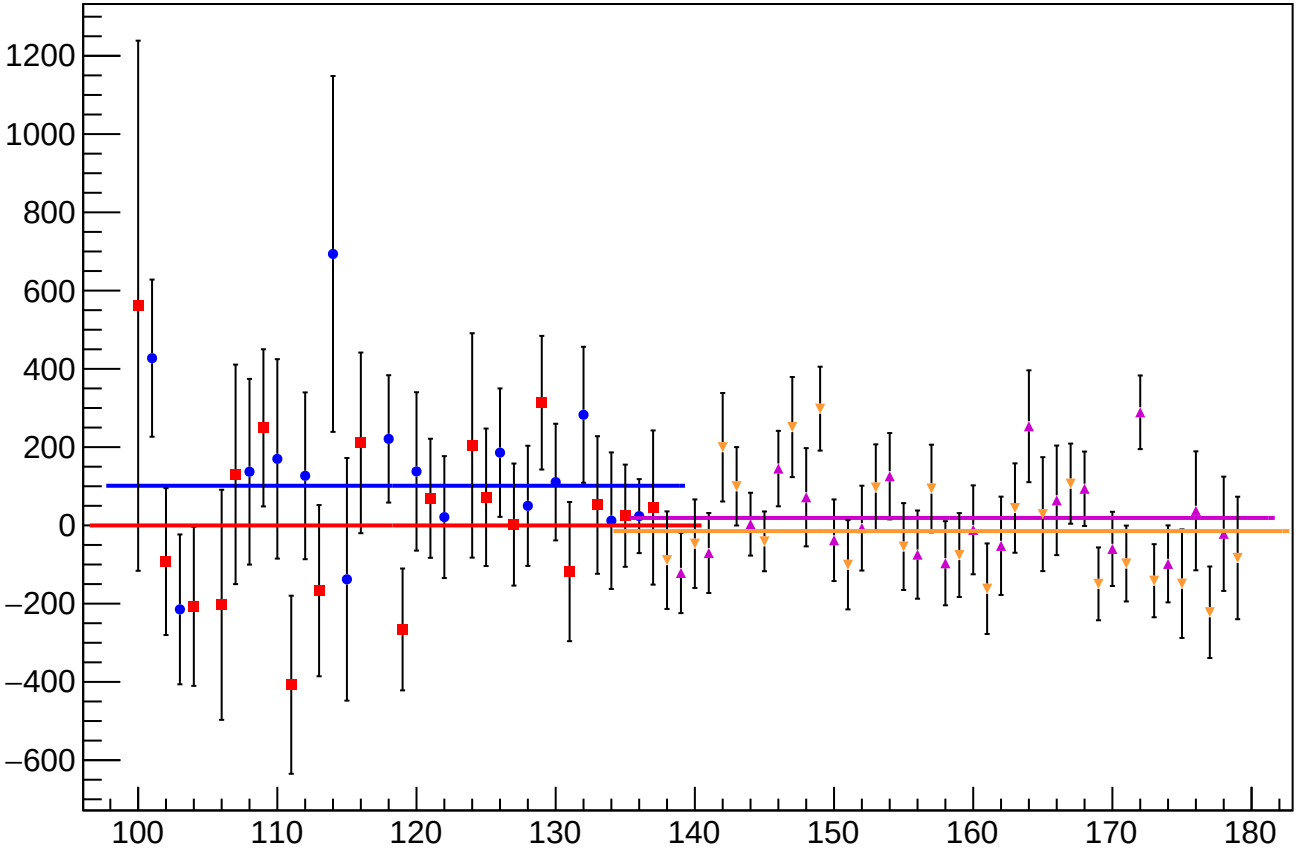
Left In: 483.869+/-0.086 χ^2/NDF:606638.5/19

\+ sign 521.457+/-0.077 χ^2/NDF: 2750113.1/37

All: 521.547+/-0.055 χ^2/NDF: 5542382.4/76

\- sign 521.641+/-0.078 χ^2/NDF: 2792266.5/38

dit_asym_sam_26_48_dd_mean vs Slug



Right In: 101.281+/-43.510 χ^2/NDF: 11.0/15

Left Out: -14.517+/-23.460 χ^2/NDF:32.4/21

Right Out: -0.125+/-44.035 χ^2/NDF: 16.6/18

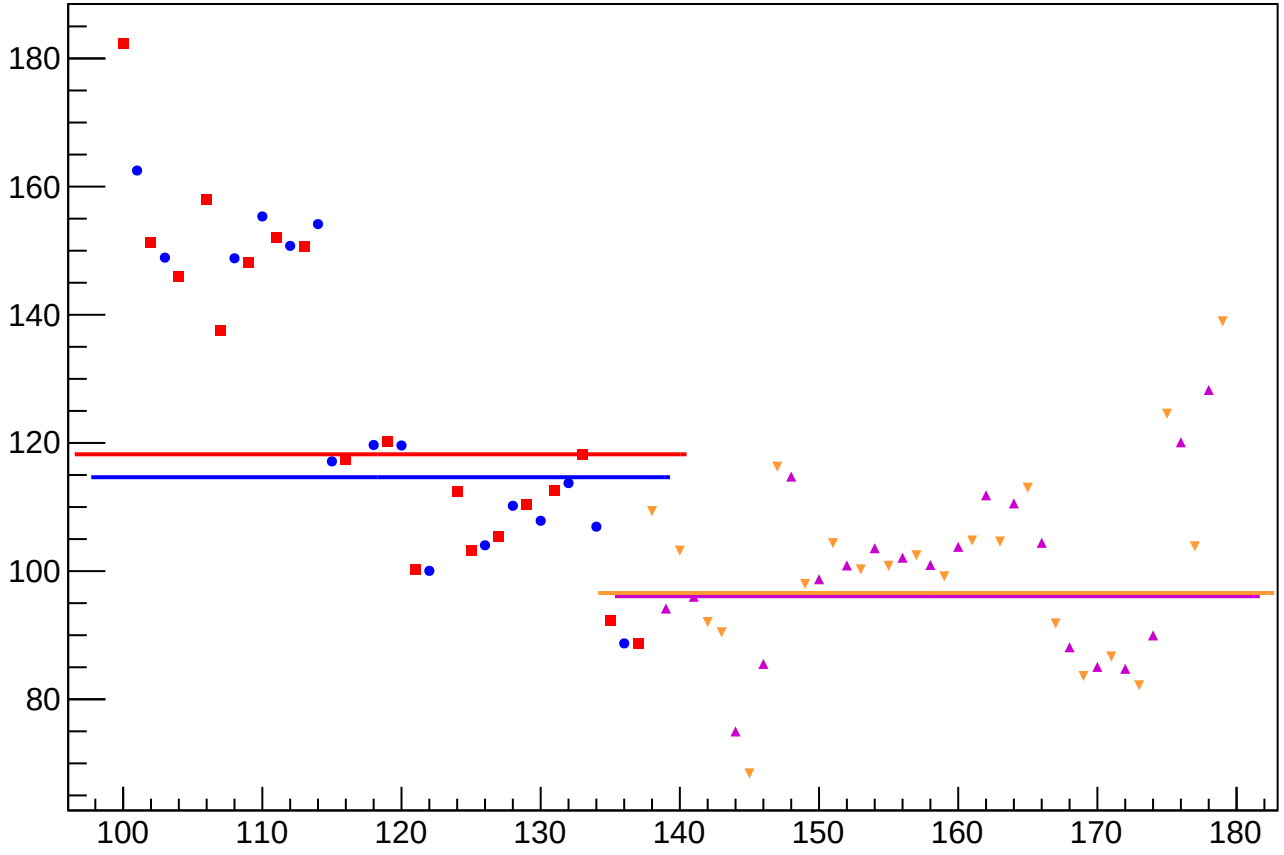
Left In: 19.062+/-24.181 χ^2/NDF:21.9/19

+ sign 11.566+/-20.650 χ^2/NDF: 48.9/37

All: 13.051+/-14.791 χ^2/NDF: 87.6/76

- sign 14.617+/-21.196 χ^2/NDF: 38.7/38

dit_asym_sam_26_48_dd_rms vs Slug



Right In: 114.655+/-0.031 χ^2/NDF: 531976.2/15

Left Out: 96.583+/-0.017 χ^2/NDF:770711.2/21

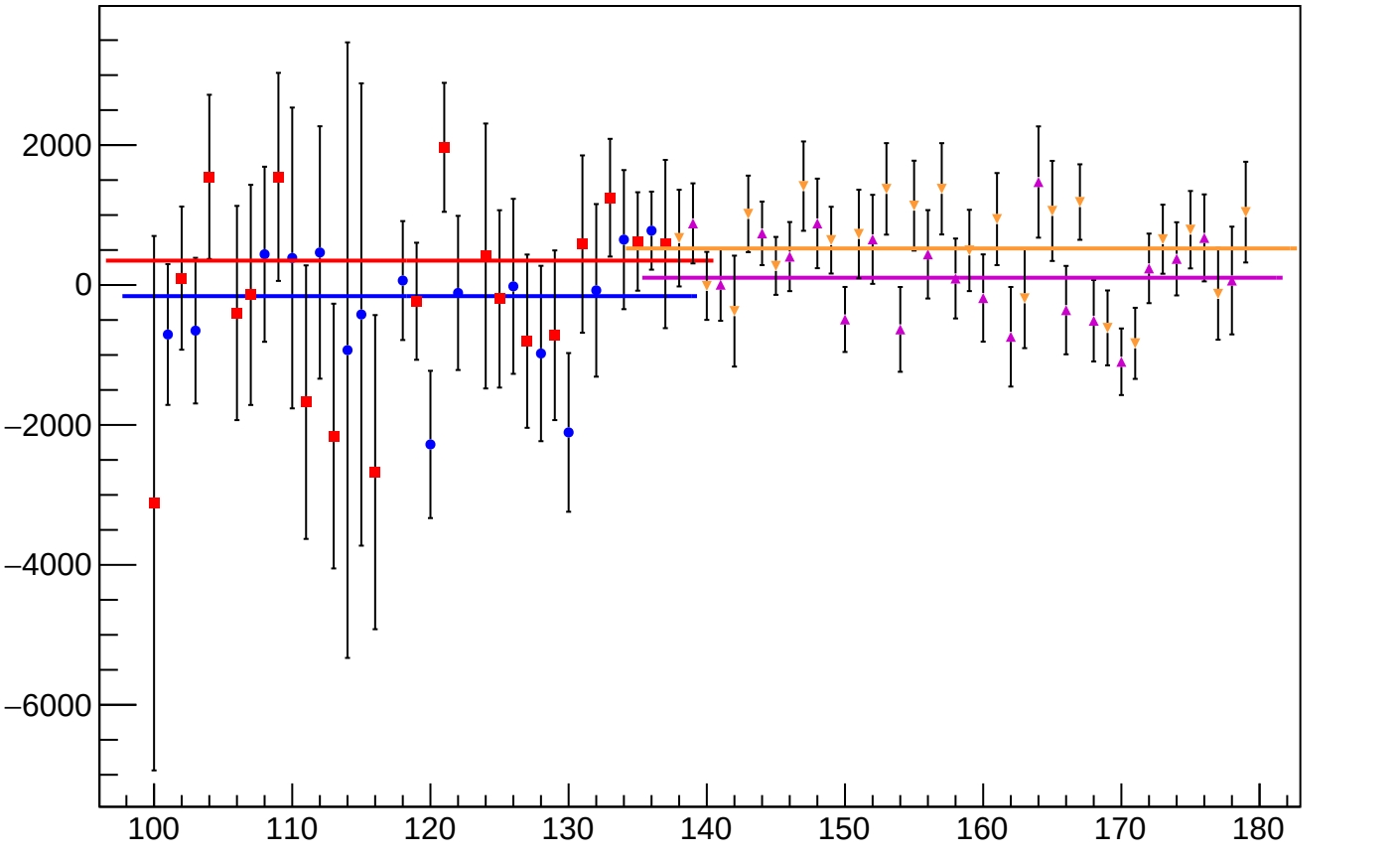
Right Out: 118.230+/-0.031 χ^2/NDF: 483407.4/18

Left In: 96.092+/-0.017 χ^2/NDF:524384.7/19

+ sign 100.653+/-0.015 χ^2/NDF: 1569999.9/37

All: 100.930+/-0.010 χ^2/NDF: 2966912.2/76

- sign 101.221+/-0.015 χ^2/NDF: 1396175.5/38



Right In: -159.110+/-274.558 χ^2/NDF: 12.0/15

Left Out: 522.779+/-123.860 χ^2/NDF:27.1/21

Right Out: 348.528+/-273.595 χ^2/NDF: 14.3/18

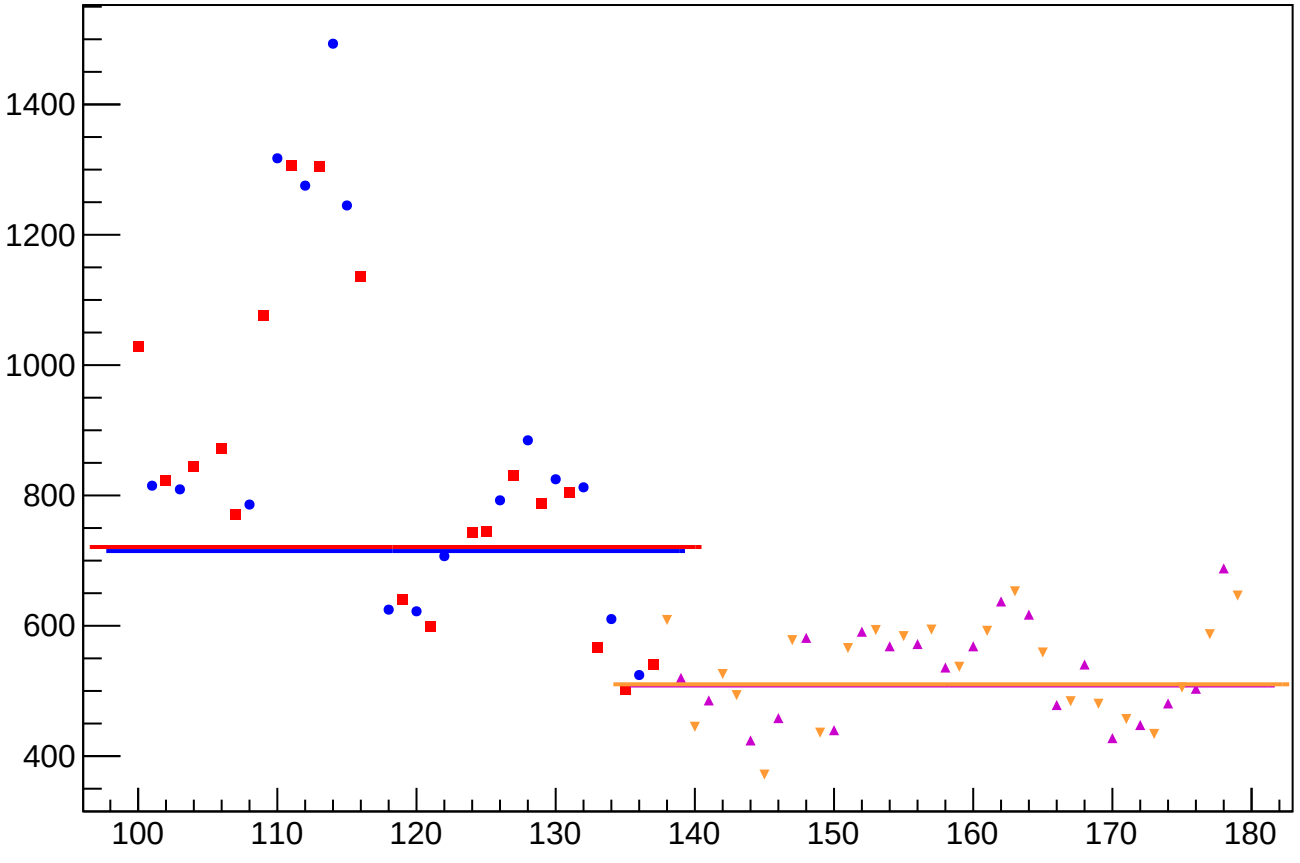
Left In: 104.187+/-127.449 χ^2/NDF:23.6/19

+ sign 407.471+/-112.903 χ^2/NDF: 44.1/37

All: 280.598+/-80.747 χ^2/NDF: 85.3/76

- sign 147.755+/-115.529 χ^2/NDF: 38.6/38

asym_sam_26_48_dd_dit_correction_rms vs Slug



Right In: 714.666+/-0.194 χ^2/NDF: 876217.1/15

Left Out: 510.200+/-0.088 χ^2/NDF:786709.1/21

Right Out: 720.885+/-0.193 χ^2/NDF: 1018435.1/18

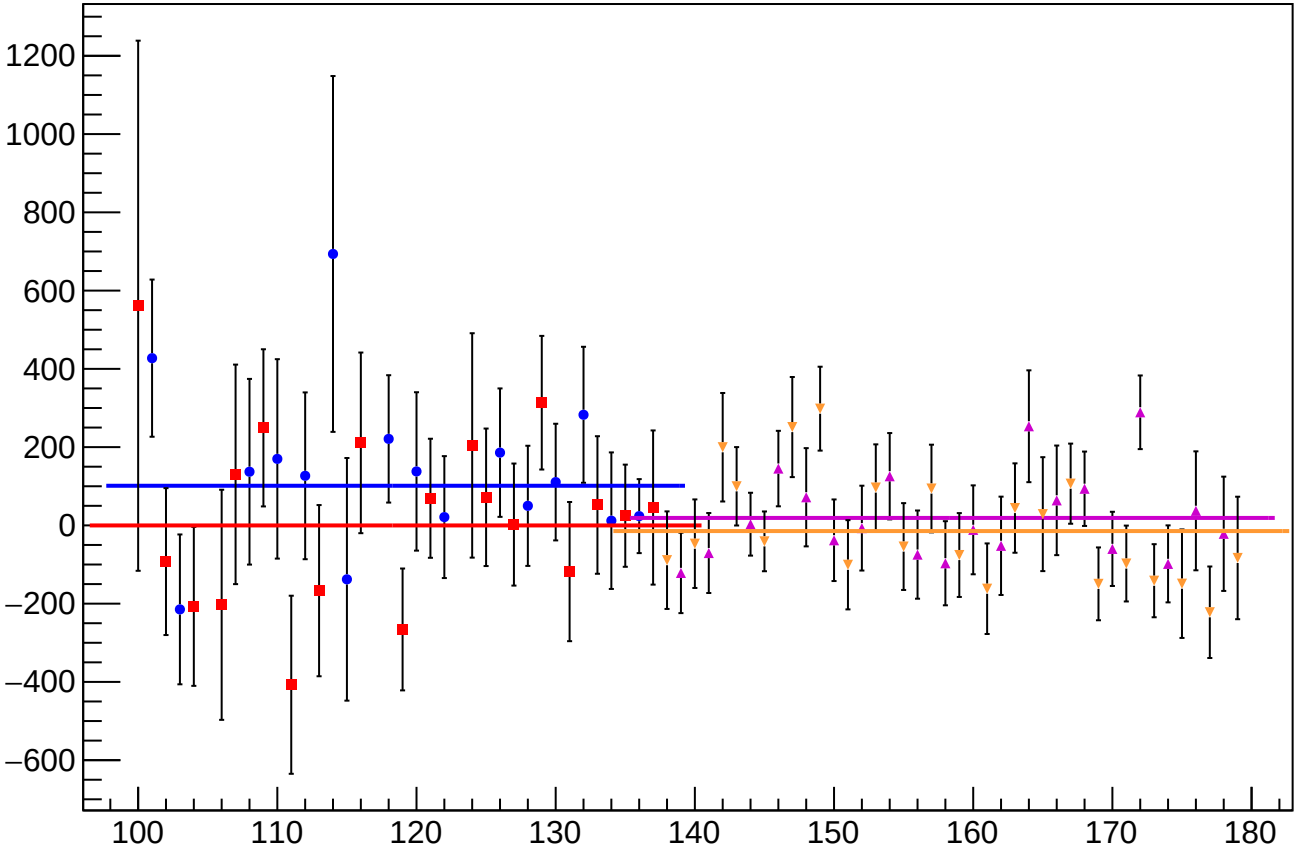
Left In: 508.342+/-0.090 χ^2/NDF:576371.7/19

+ sign 544.776+/-0.080 χ^2/NDF: 2584548.5/37

All: 545.491+/-0.057 χ^2/NDF: 5171298.7/76

- sign 546.240+/-0.082 χ^2/NDF: 2586586.0/38

eigen_dit_asym_sam_26_48_dd_mean vs Slug



Right In: 101.278+/-43.510 χ^2/NDF: 11.0/15

Left Out: -14.519+/-23.460 χ^2/NDF:32.4/21

Right Out: -0.125+/-44.035 χ^2/NDF: 16.6/18

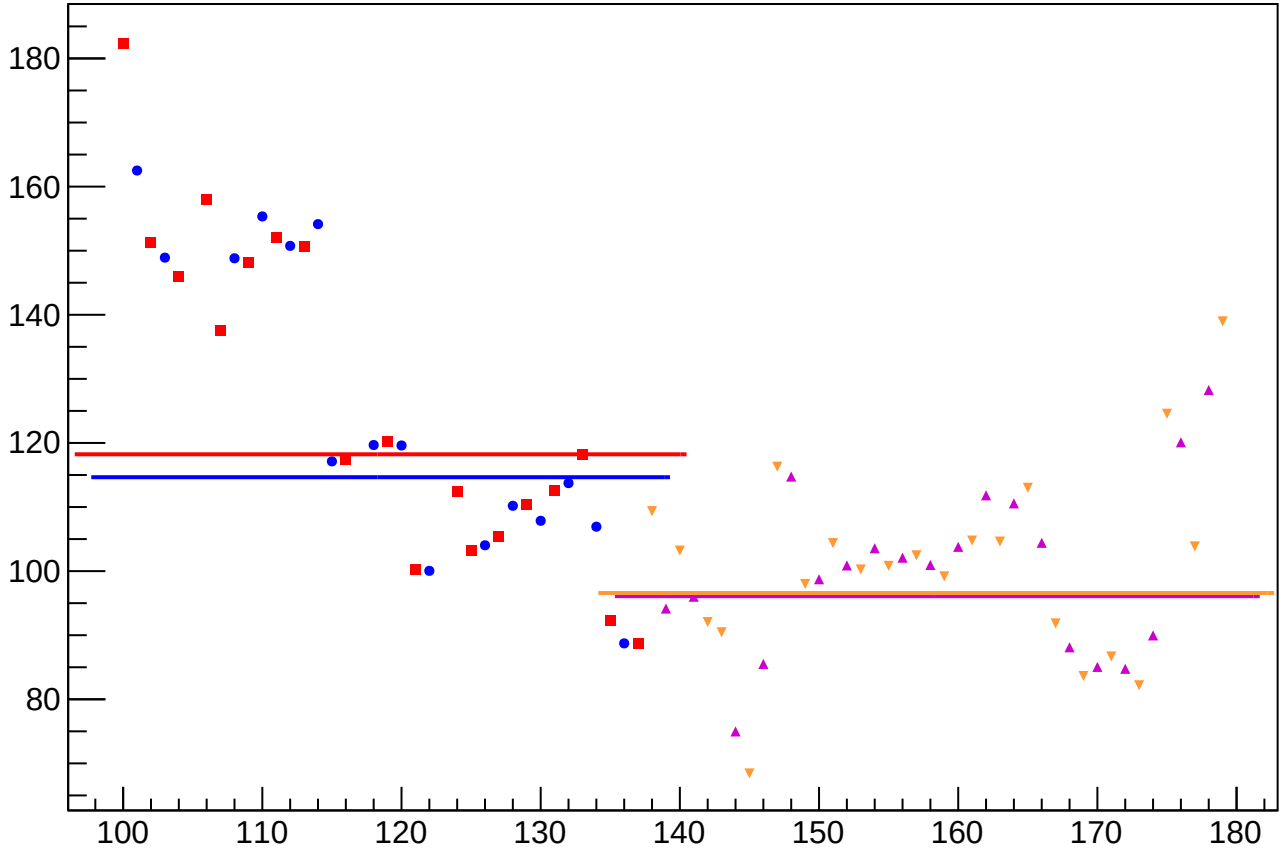
Left In: 19.062+/-24.181 χ^2/NDF:21.9/19

\+ sign 11.564+/-20.650 χ^2/NDF: 48.9/37

All: 13.050+/-14.791 χ^2/NDF: 87.6/76

\- sign 14.617+/-21.196 χ^2/NDF: 38.7/38

eigen_dit_asym_sam_26_48_dd_rms vs Slug



Right In: 114.655+/-0.031 χ^2/NDF: 531962.9/15

Left Out: 96.583+/-0.017 χ^2/NDF:770716.9/21

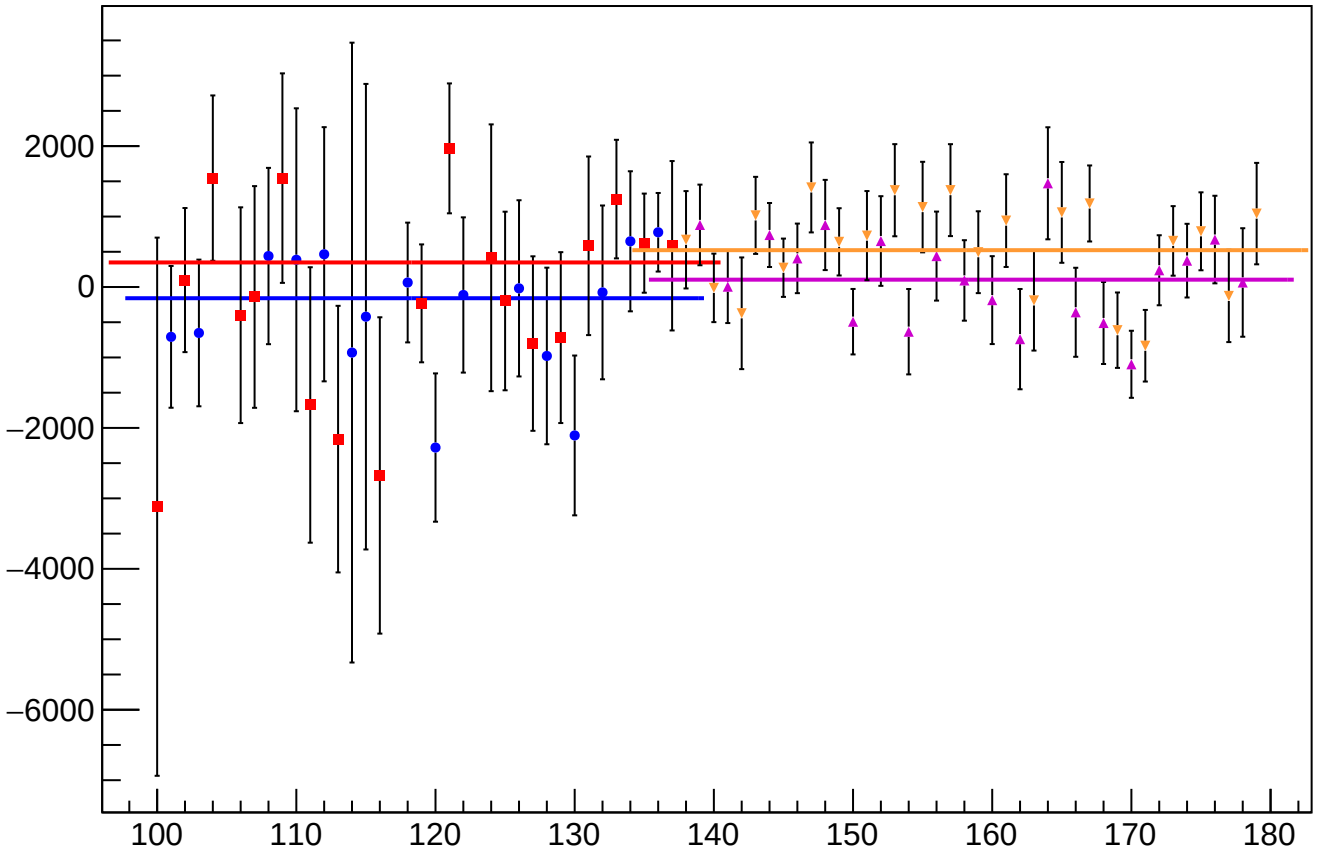
Right Out: 118.230+/-0.031 χ^2/NDF: 483401.1/18

Left In: 96.092+/-0.017 χ^2/NDF:524378.0/19

+ sign 100.653+/-0.015 χ^2/NDF: 1569998.0/37

All: 100.930+/-0.010 χ^2/NDF: 2966897.2/76

- sign 101.221+/-0.015 χ^2/NDF: 1396162.4/38



Right In: -159.112+/-274.558 χ^2/NDF: 12.0/15

Left Out: 522.777+/-123.860 χ^2/NDF:27.1/21

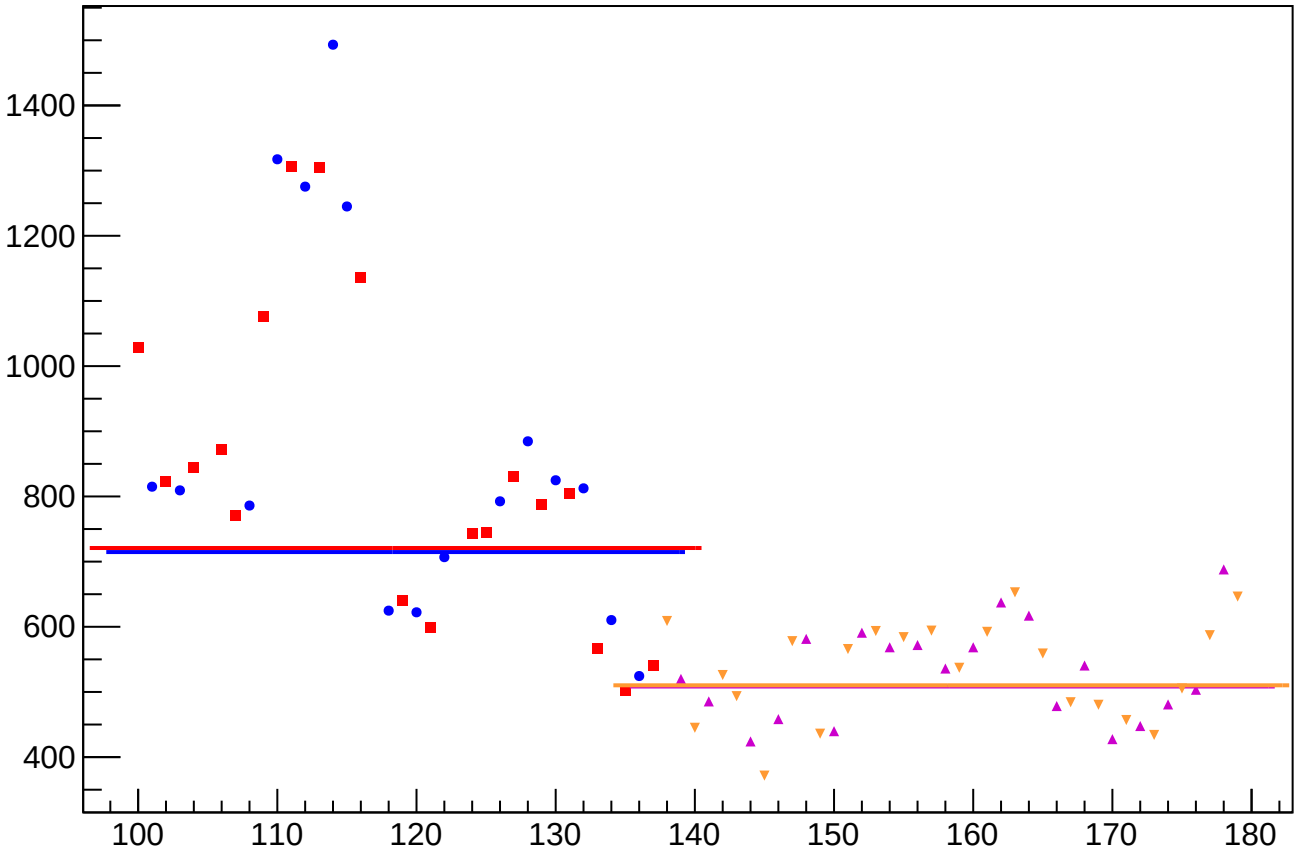
Right Out: 348.528+/-273.595 χ^2/NDF: 14.3/18

Left In: 104.187+/-127.449 χ^2/NDF:23.6/19

+ sign 407.470+/-112.903 χ^2/NDF: 44.1/37

All: 280.598+/-80.747 χ^2/NDF: 85.3/76

- sign 147.755+/-115.529 χ^2/NDF: 38.6/38



Right In: 714.666+/-0.194 χ^2/NDF: 876211.4/15

Left Out: 510.200+/-0.088 χ^2/NDF:786709.0/21

Right Out: 720.884+/-0.193 χ^2/NDF: 1018428.9/18

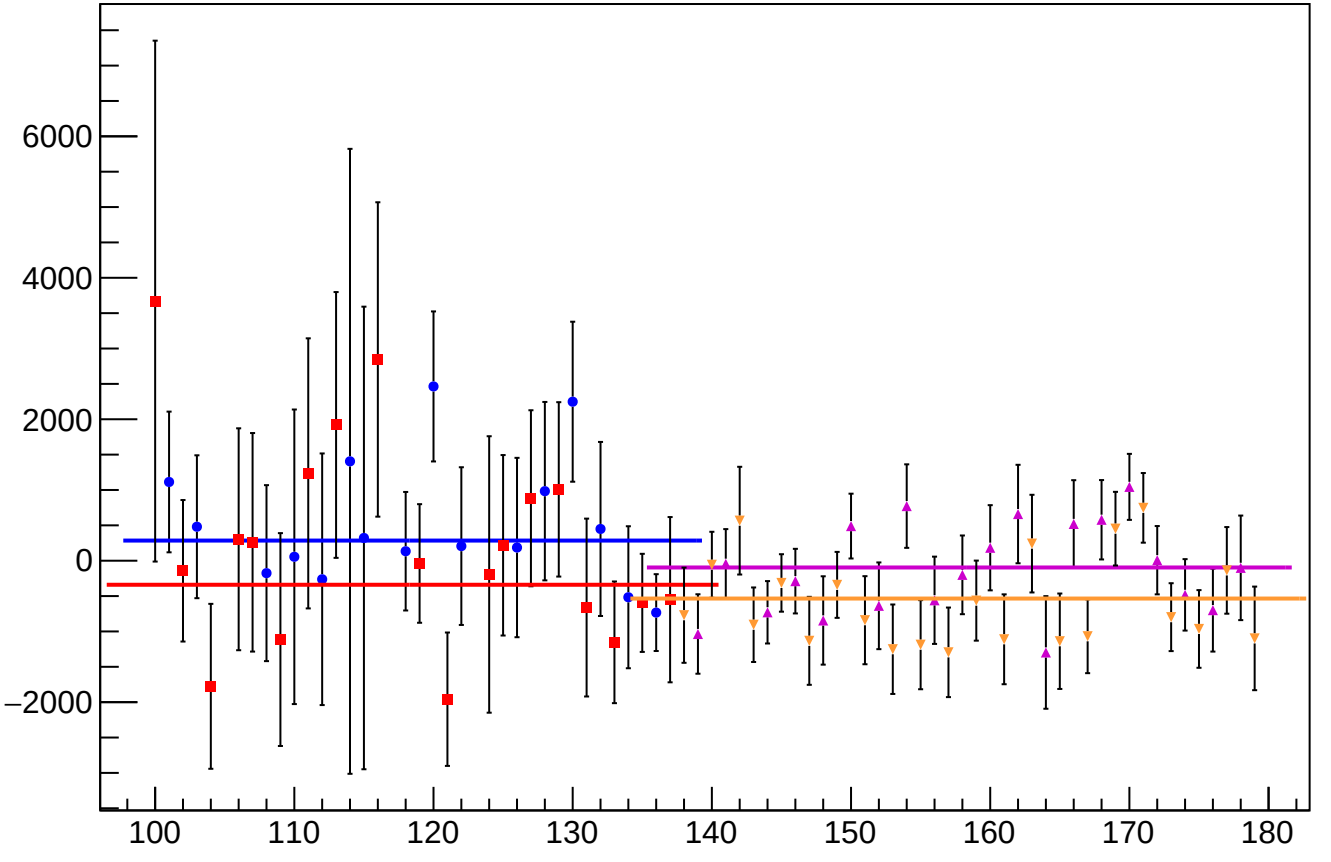
Left In: 508.342+/-0.090 χ^2/NDF:576370.0/19

+ sign 544.776+/-0.080 χ^2/NDF: 2584545.1/37

All: 545.491+/-0.057 χ^2/NDF: 5171287.0/76

- sign 546.240+/-0.082 χ^2/NDF: 2586577.6/38

asym_sam_26_48_dd_mean vs Slug



Right In: 284.780+/-271.944 χ^2/NDF: 12.8/15

Left Out: -534.894+/-120.349 χ^2/NDF:25.4/21

Right Out: -340.018+/-273.601 χ^2/NDF: 14.1/18

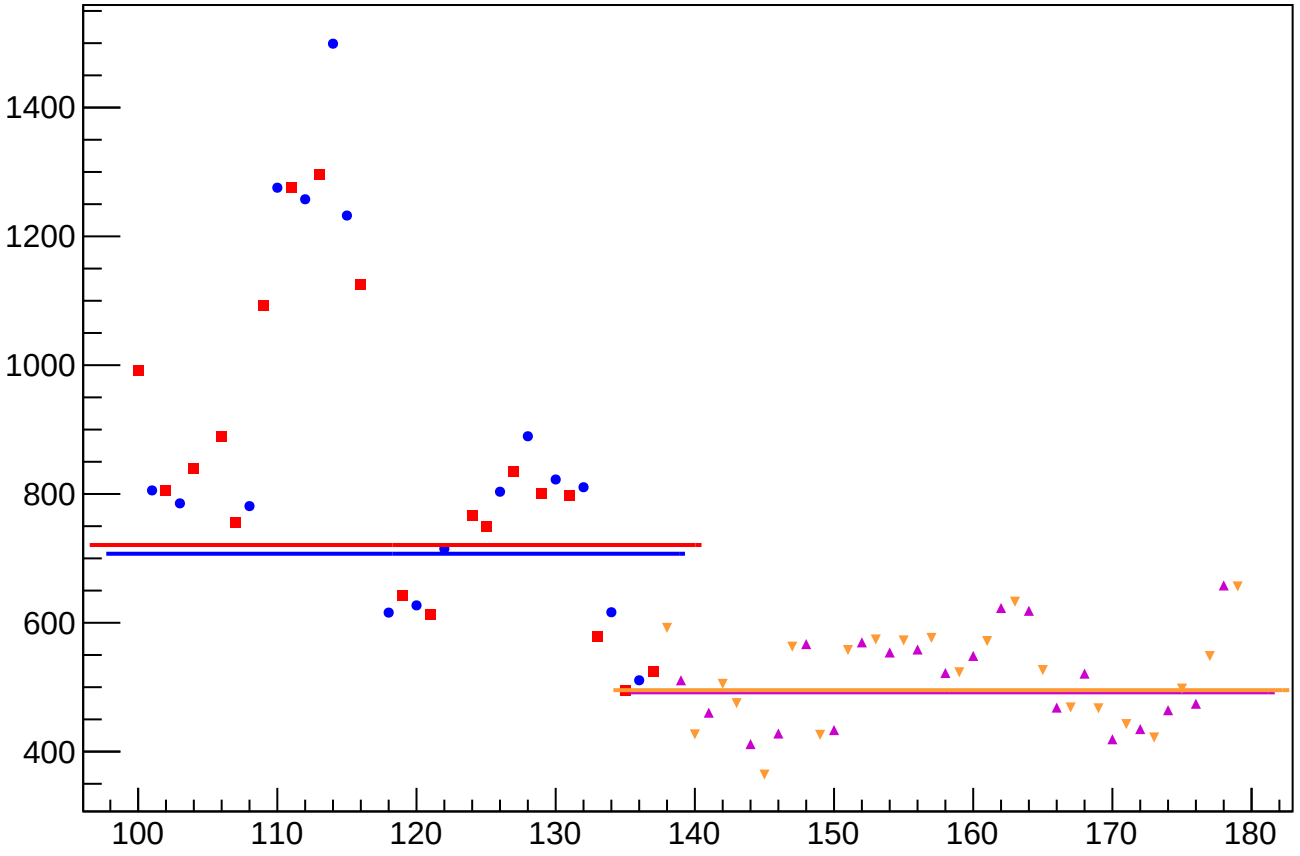
Left In: -95.715+/-123.359 χ^2/NDF:25.4/19

\+ sign -400.651+/-110.054 χ^2/NDF: 45.8/37

All: -271.668+/-78.656 χ^2/NDF: 88.8/76

\- sign -136.988+/-112.457 χ^2/NDF: 40.2/38

asym_sam_26_48_dd_rms vs Slug



Right In: 707.209+/-0.192 χ^2/NDF: 896689.9/15

Left Out: 495.362+/-0.085 χ^2/NDF:787555.5/21

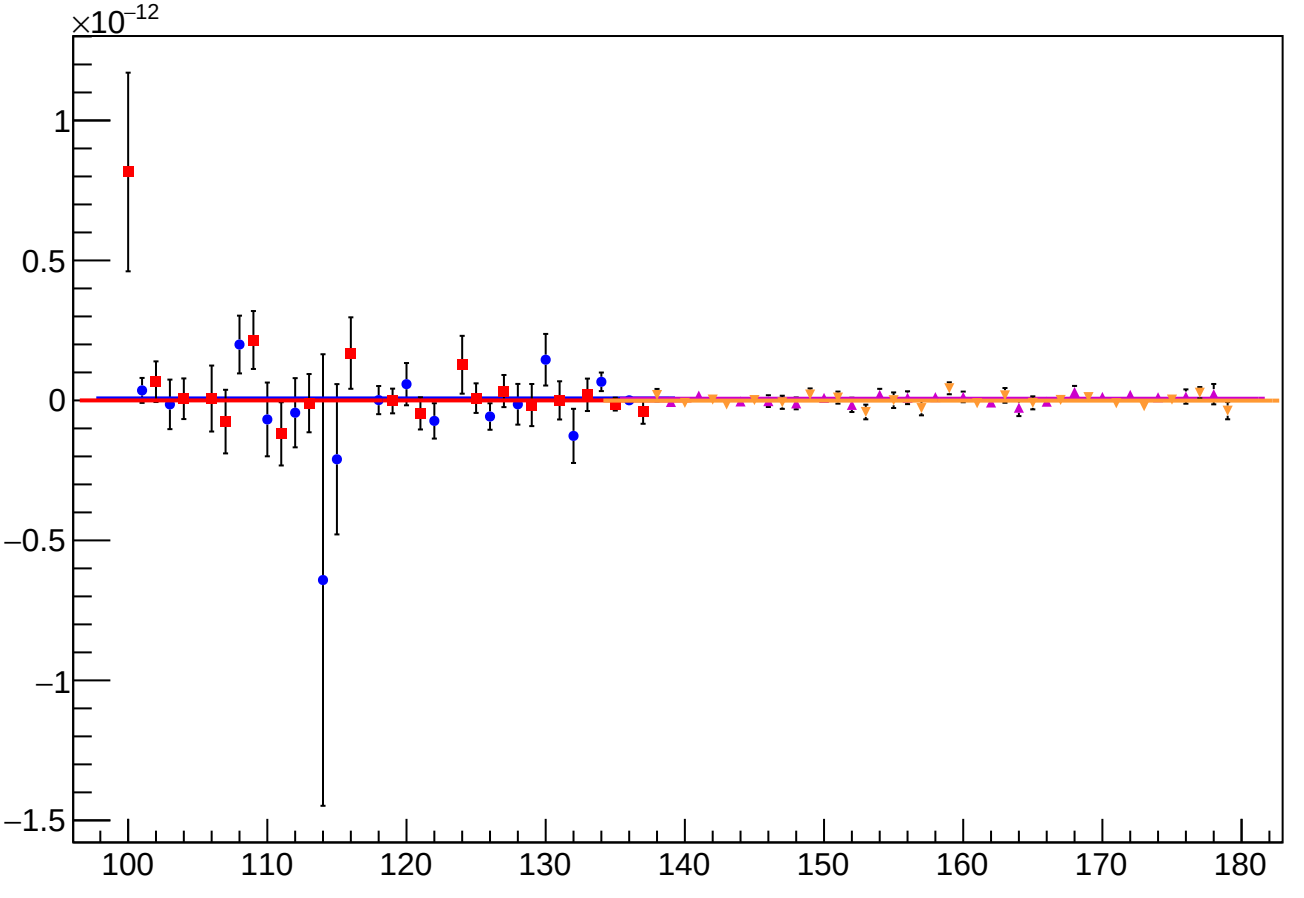
Right Out: 720.778+/-0.193 χ^2/NDF: 1015277.9/18

Left In: 491.995+/-0.087 χ^2/NDF:593264.3/19

+ sign 530.057+/-0.078 χ^2/NDF: 2699184.4/37

All: 530.345+/-0.056 χ^2/NDF: 5469926.0/76

- sign 530.646+/-0.080 χ^2/NDF: 2770713.6/38



Right In: 0.000+/-0.000 χ^2/NDF: 17.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:17.8/21

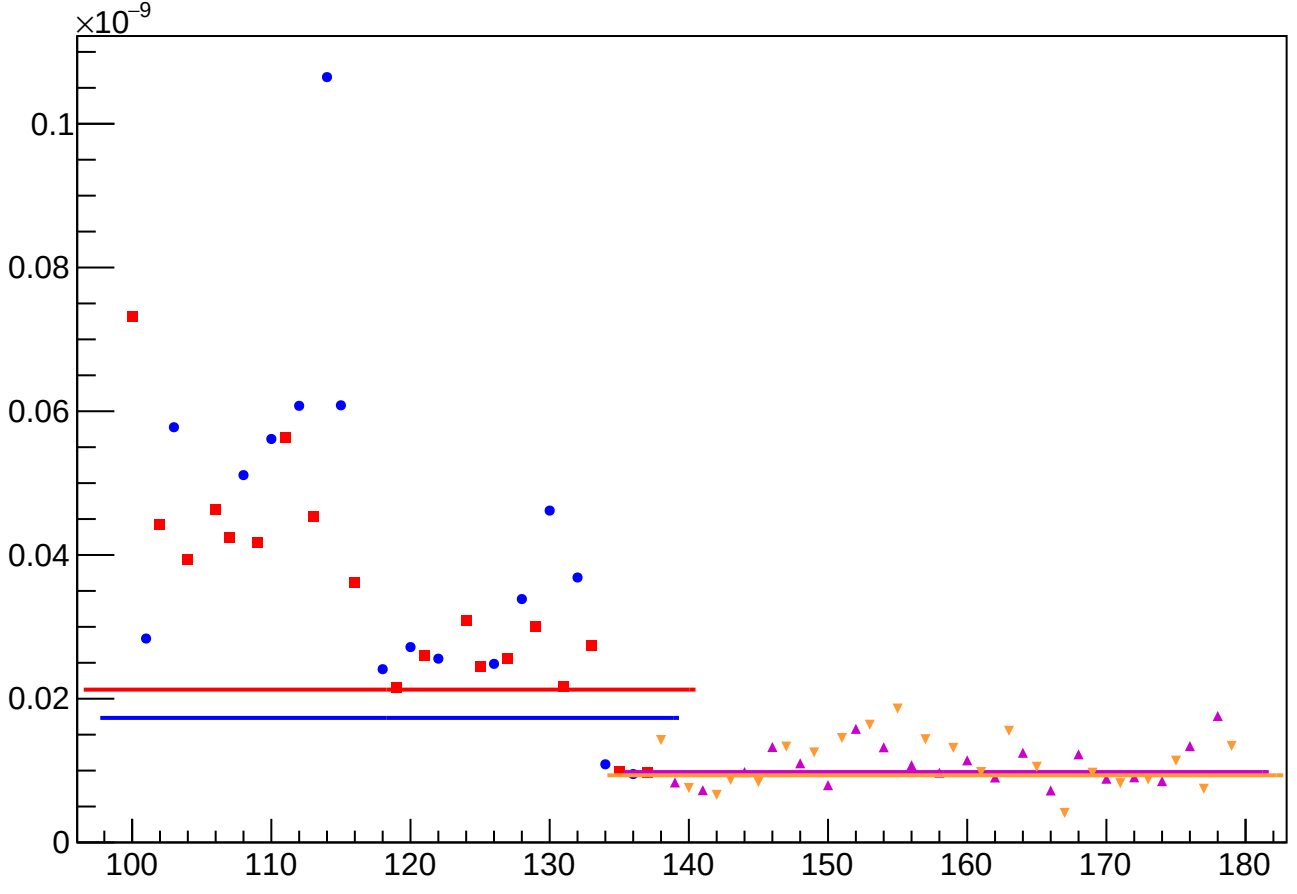
Right Out: 0.000+/-0.000 χ^2/NDF: 17.8/18

Left In: 0.000+/-0.000 χ^2/NDF:8.5/19

+ sign 0.000+/-0.000 χ^2/NDF: 35.5/37

All: 0.000+/-0.000 χ^2/NDF: 63.1/76

- sign 0.000+/-0.000 χ^2/NDF: 26.5/38



Right In: 0.000+/-0.000 χ^2/NDF: 2368825.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1771656.3/21

Right Out: 0.000+/-0.000 χ^2/NDF: 1671050.7/18

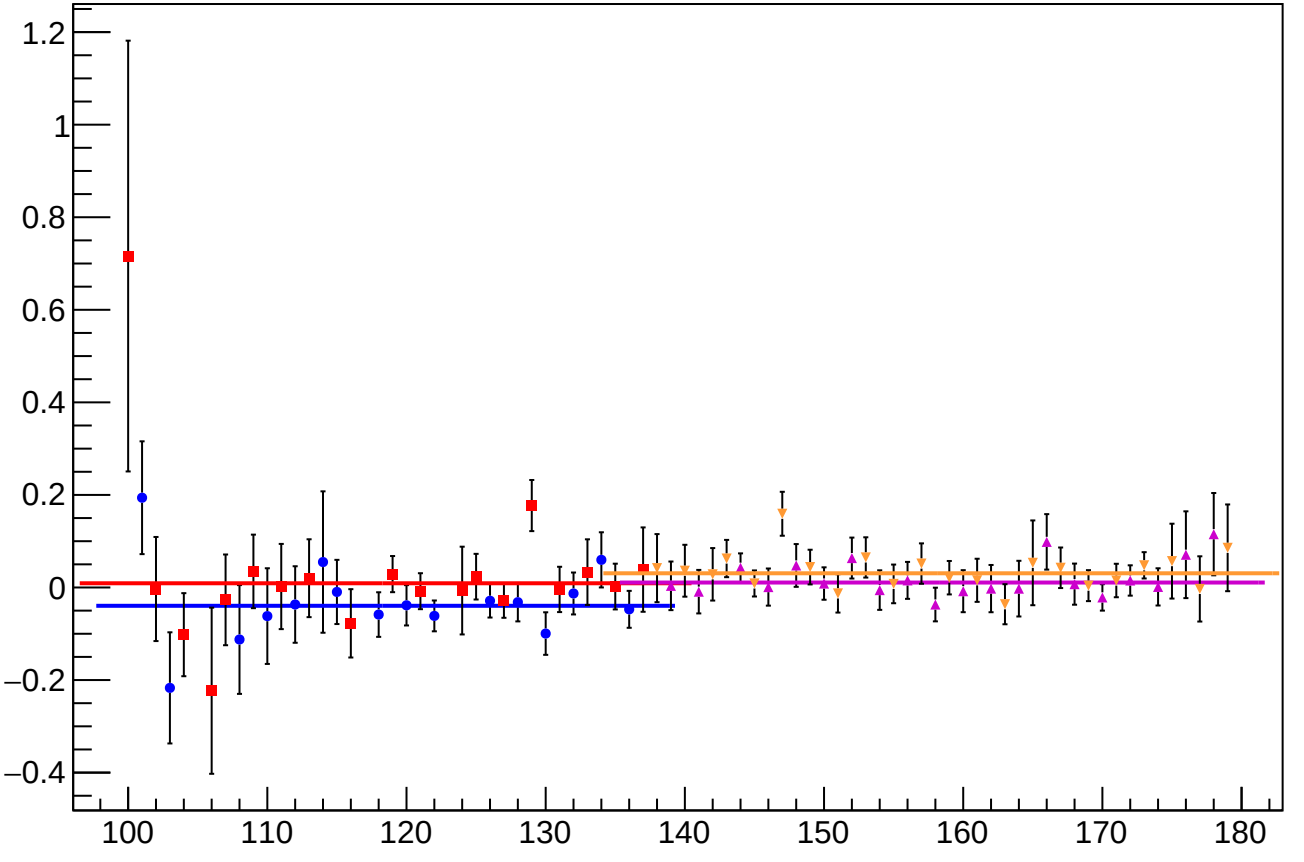
Left In: 0.000+/-0.000 χ^2/NDF:617135.7/19

+ sign 0.000+/-0.000 χ^2/NDF: 5014482.7/37

All: 0.000+/-0.000 χ^2/NDF: 8674336.0/76

- sign 0.000+/-0.000 χ^2/NDF: 3630562.9/38

asym_sam_26_48_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.031+/-0.009 χ^2/NDF:15.6/21

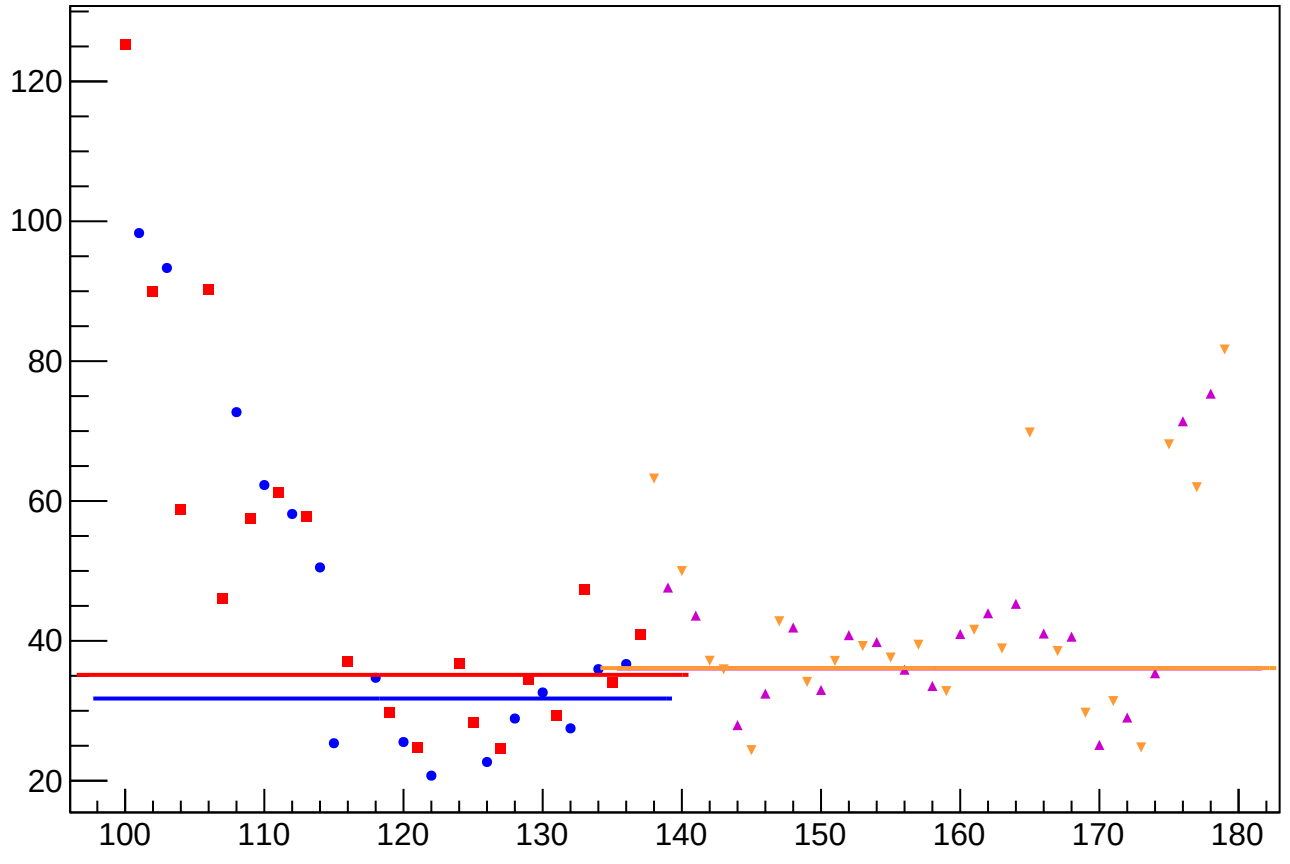
Right Out: 0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: 0.011+/-0.009 χ^2/NDF:10.8/19

+ sign 0.008+/-0.008 χ^2/NDF: 47.1/37

All: 0.009+/-0.005 χ^2/NDF: 76.3/76

- sign 0.010+/-0.008 χ^2/NDF: 29.1/38



Right In: 31.755+/-0.009 χ^2/NDF: 2252399.3/15

Left Out: 36.107+/-0.007 χ^2/NDF:2623275.0/21

Right Out: 35.140+/-0.010 χ^2/NDF: 1844676.3/18

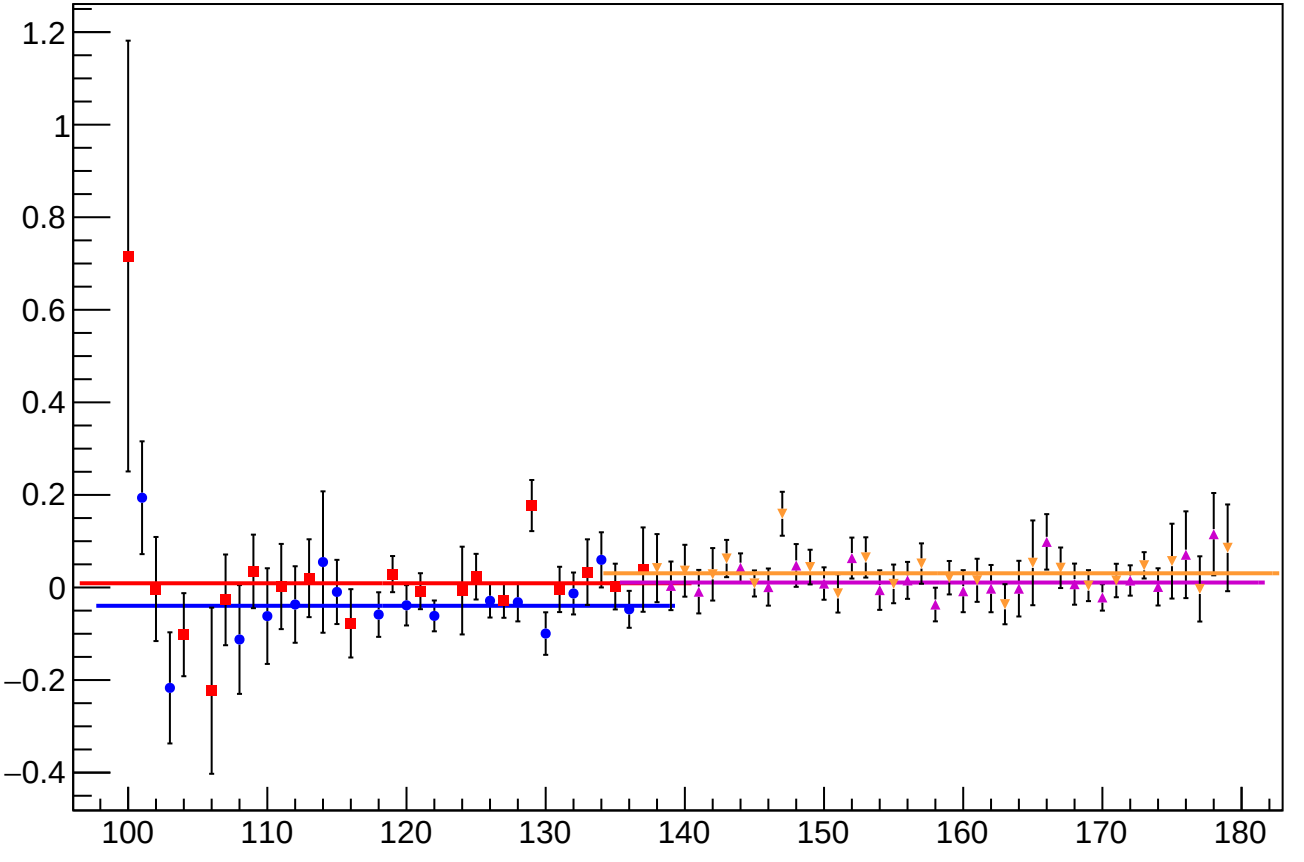
Left In: 36.057+/-0.007 χ^2/NDF:1610735.6/19

+ sign 34.679+/-0.005 χ^2/NDF: 5022550.1/37

All: 35.203+/-0.004 χ^2/NDF: 8503914.6/76

- sign 35.774+/-0.006 χ^2/NDF: 3461209.3/38

asym_sam_26_48_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.031+/-0.009 χ^2/NDF:15.6/21

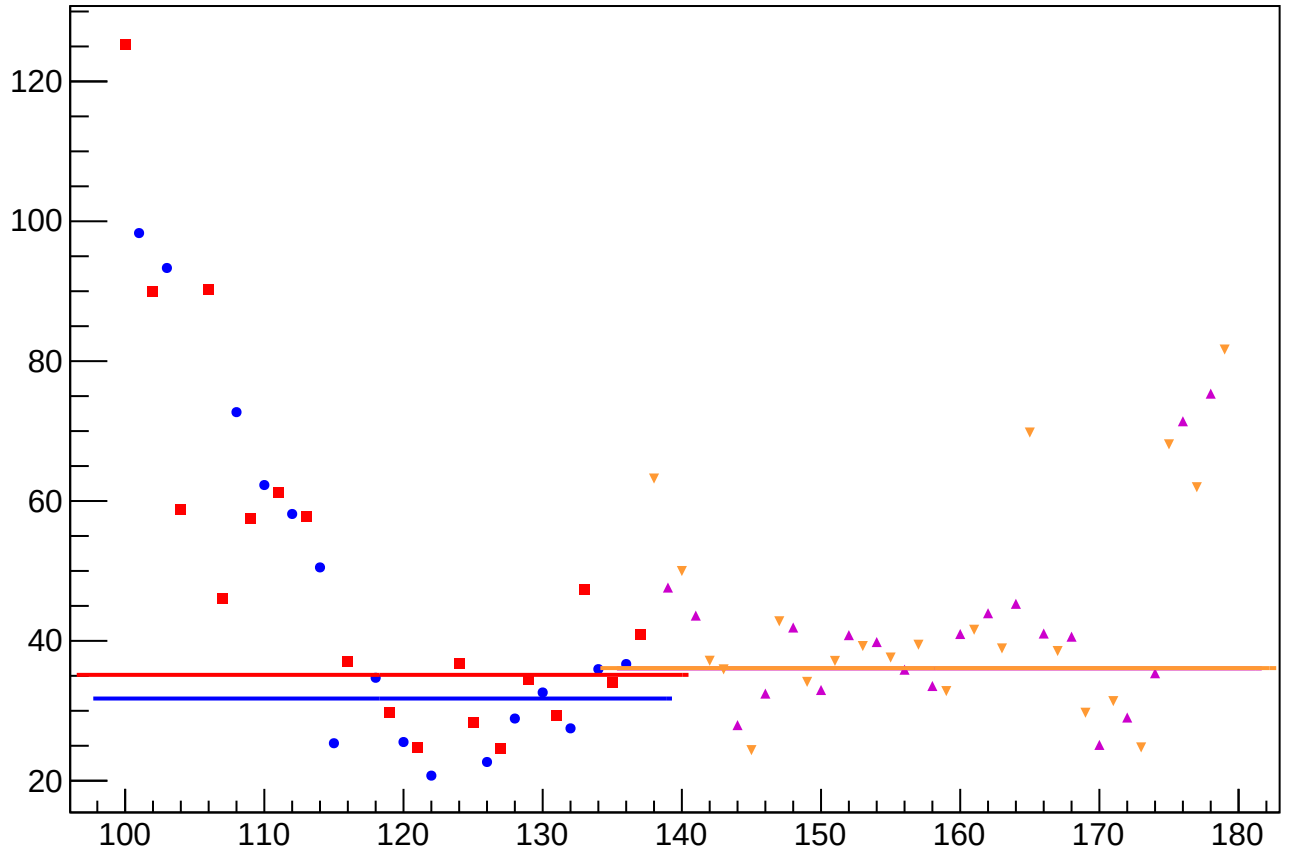
Right Out: 0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: 0.011+/-0.009 χ^2/NDF:10.8/19

+ sign 0.008+/-0.008 χ^2/NDF: 47.1/37

All: 0.009+/-0.005 χ^2/NDF: 76.3/76

- sign 0.010+/-0.008 χ^2/NDF: 29.1/38



Right In: 31.755+/-0.009 χ^2/NDF: 2252399.3/15

Left Out: 36.107+/-0.007 χ^2/NDF:2623275.0/21

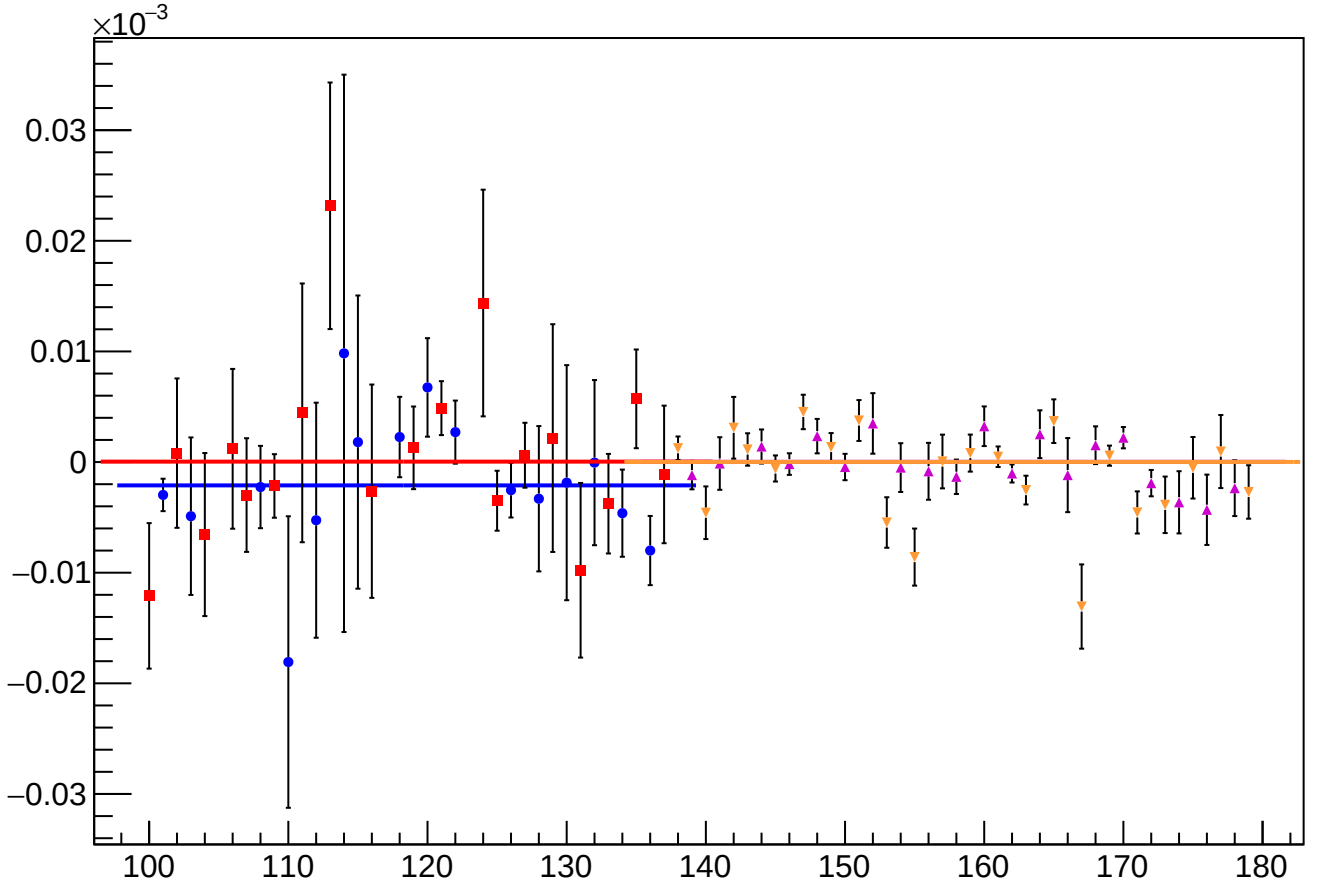
Right Out: 35.140+/-0.010 χ^2/NDF: 1844676.3/18

Left In: 36.057+/-0.007 χ^2/NDF:1610735.6/19

+ sign 34.679+/-0.005 χ^2/NDF: 5022550.1/37

All: 35.203+/-0.004 χ^2/NDF: 8503914.6/76

- sign 35.774+/-0.006 χ^2/NDF: 3461209.3/38



Right In: -0.000+/-0.000 χ^2/NDF: 14.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:67.1/21

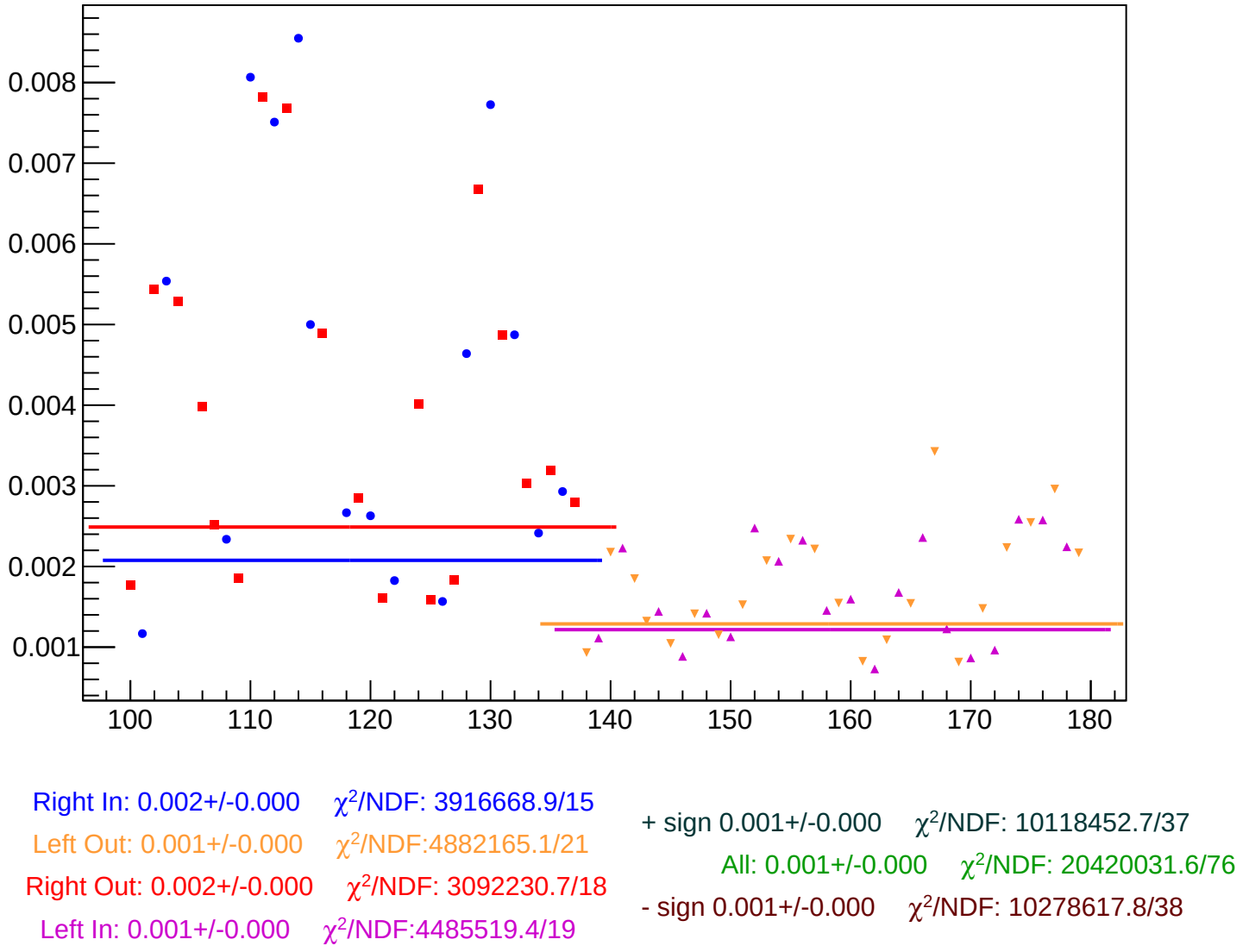
Right Out: 0.000+/-0.000 χ^2/NDF: 21.4/18

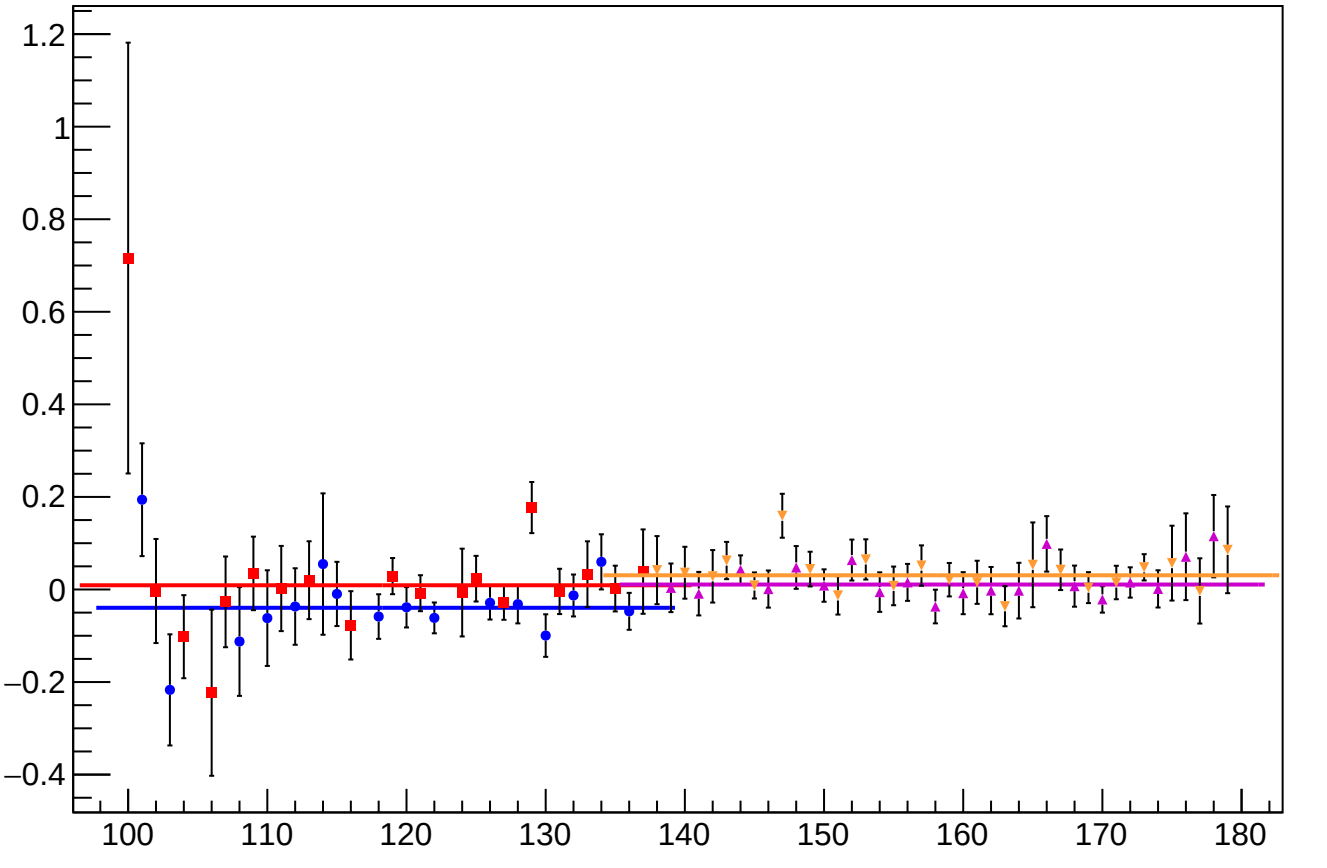
Left In: 0.000+/-0.000 χ^2/NDF:25.9/19

+ sign -0.000+/-0.000 χ^2/NDF: 86.6/37

All: -0.000+/-0.000 χ^2/NDF: 134.3/76

- sign 0.000+/-0.000 χ^2/NDF: 47.3/38


asym_sam_26_48_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001
100
110
120
130
140
150
160
170
180
Right In: 0.002+/-0.000 χ²/NDF: 3916668.9/15
Left Out: 0.001+/-0.000 χ²/NDF:4882165.1/21
Right Out: 0.002+/-0.000 χ²/NDF: 3092230.7/18
Left In: 0.001+/-0.000 χ²/NDF:4485519.4/19
+ sign 0.001+/-0.000 χ²/NDF: 10118452.7/37
All: 0.001+/-0.000 χ²/NDF: 20420031.6/76
- sign 0.001+/-0.000 χ²/NDF: 10278617.8/38



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.031+/-0.009 χ^2/NDF:15.6/21

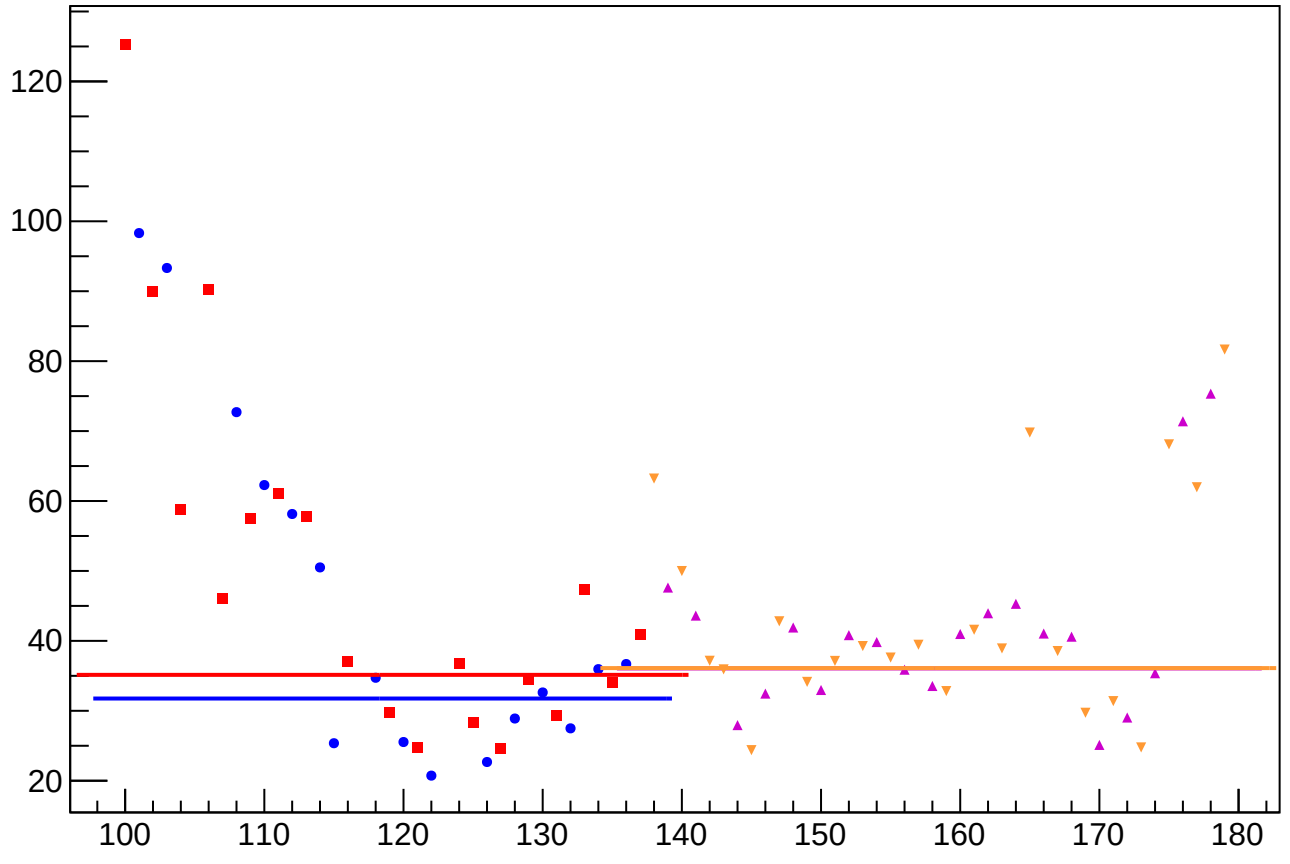
Right Out: 0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: 0.011+/-0.009 χ^2/NDF:10.8/19

+ sign 0.008+/-0.008 χ^2/NDF: 47.1/37

All: 0.009+/-0.005 χ^2/NDF: 76.3/76

- sign 0.010+/-0.008 χ^2/NDF: 29.1/38



Right In: 31.756+/-0.009 χ^2/NDF: 2252373.4/15

Left Out: 36.107+/-0.007 χ^2/NDF:2623287.0/21

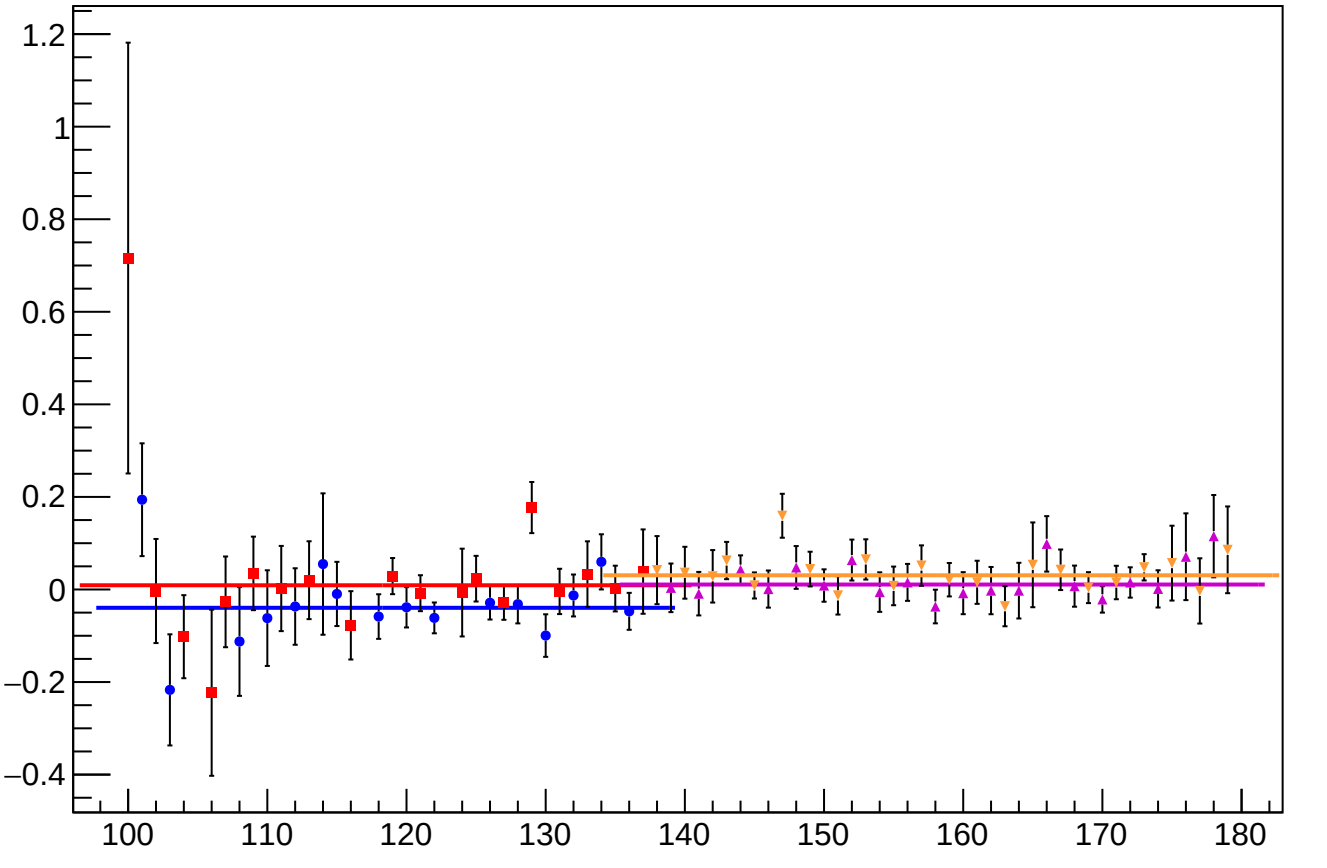
Right Out: 35.140+/-0.010 χ^2/NDF: 1844572.3/18

Left In: 36.057+/-0.007 χ^2/NDF:1610704.5/19

+ sign 34.679+/-0.005 χ^2/NDF: 5022508.7/37

All: 35.203+/-0.004 χ^2/NDF: 8503731.3/76

- sign 35.774+/-0.006 χ^2/NDF: 3461067.8/38



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.031+/-0.009 χ^2/NDF:15.6/21

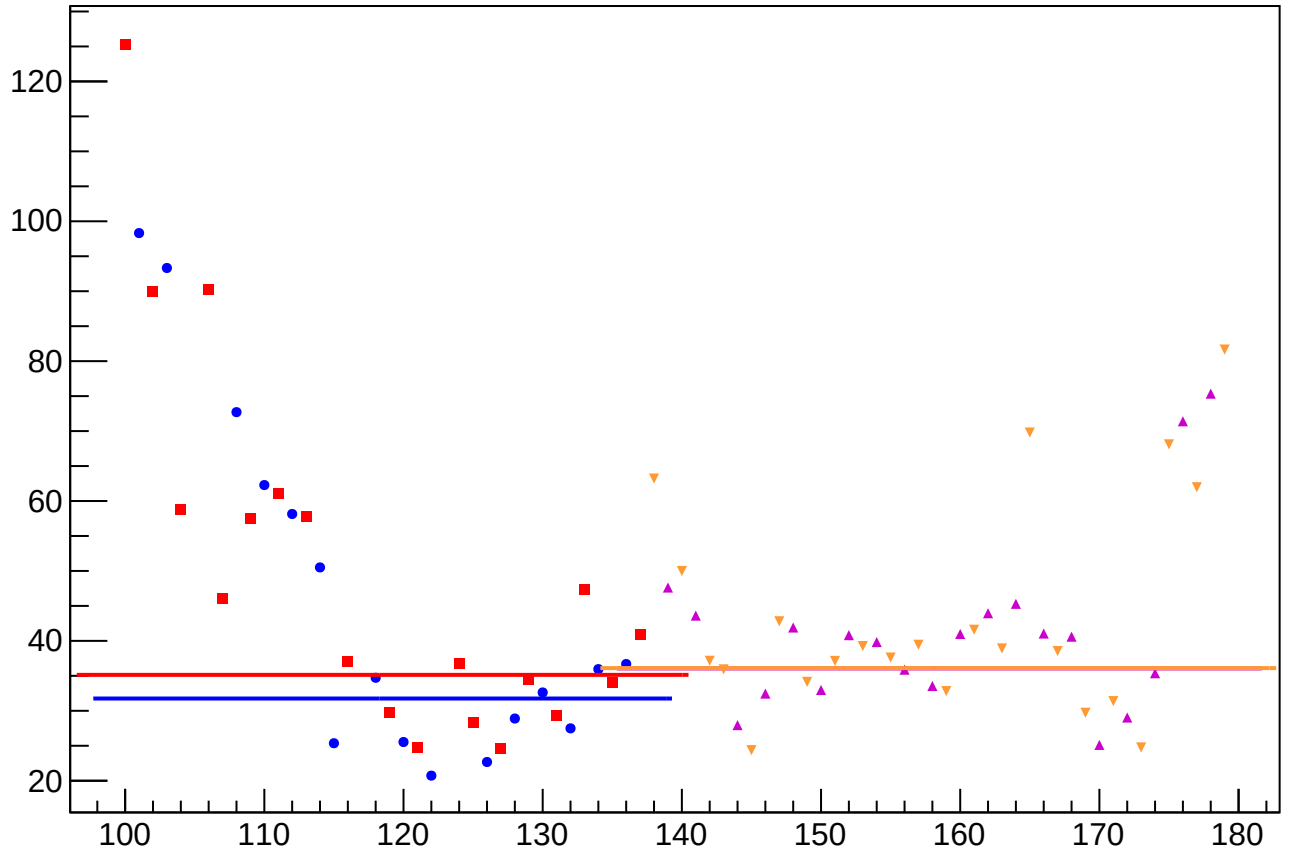
Right Out: 0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: 0.011+/-0.009 χ^2/NDF:10.8/19

+ sign 0.008+/-0.008 χ^2/NDF: 47.1/37

All: 0.009+/-0.005 χ^2/NDF: 76.3/76

- sign 0.010+/-0.008 χ^2/NDF: 29.1/38



Right In: 31.756+/-0.009 χ^2/NDF: 2252373.4/15

Left Out: 36.107+/-0.007 χ^2/NDF:2623287.0/21

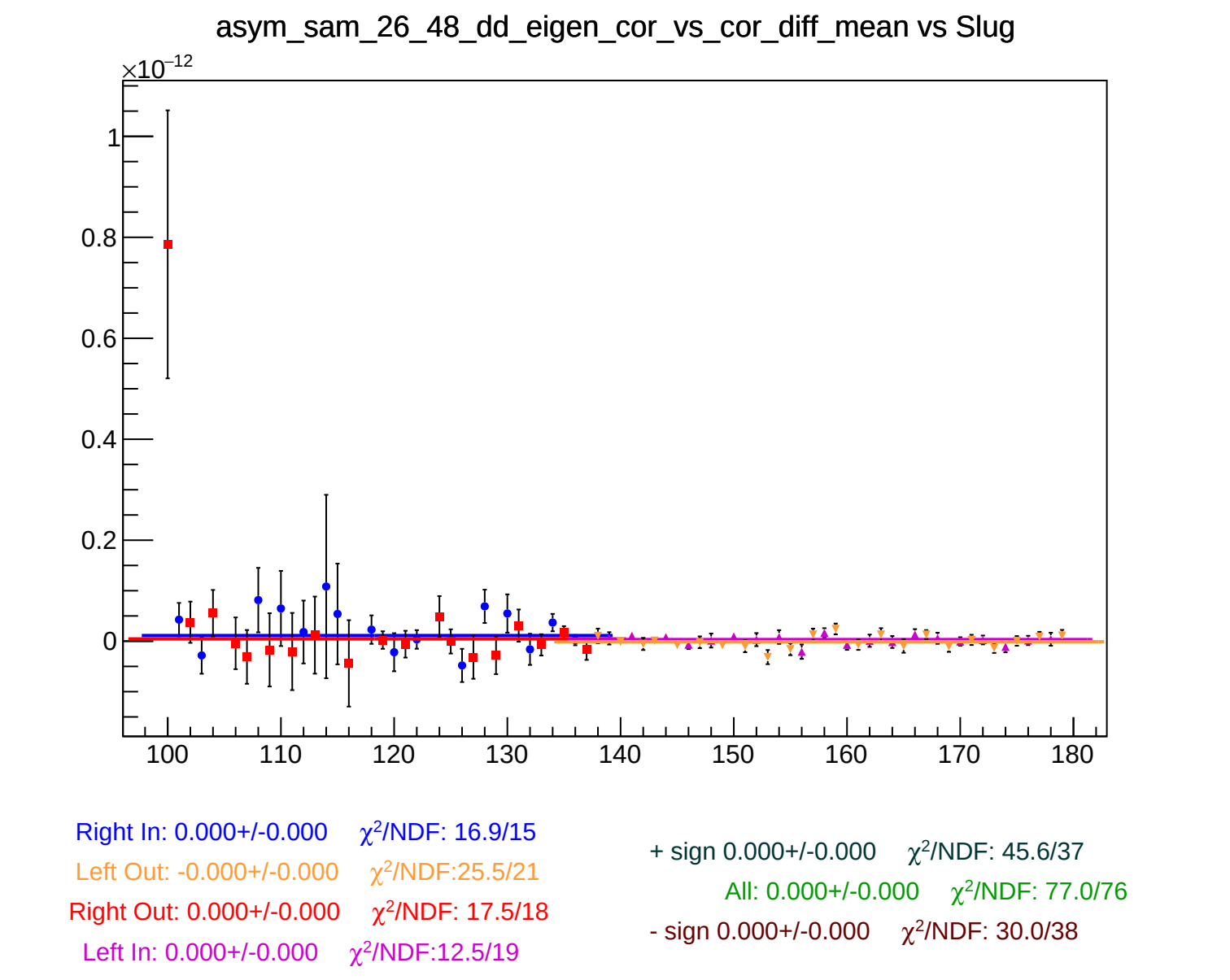
Right Out: 35.140+/-0.010 χ^2/NDF: 1844572.3/18

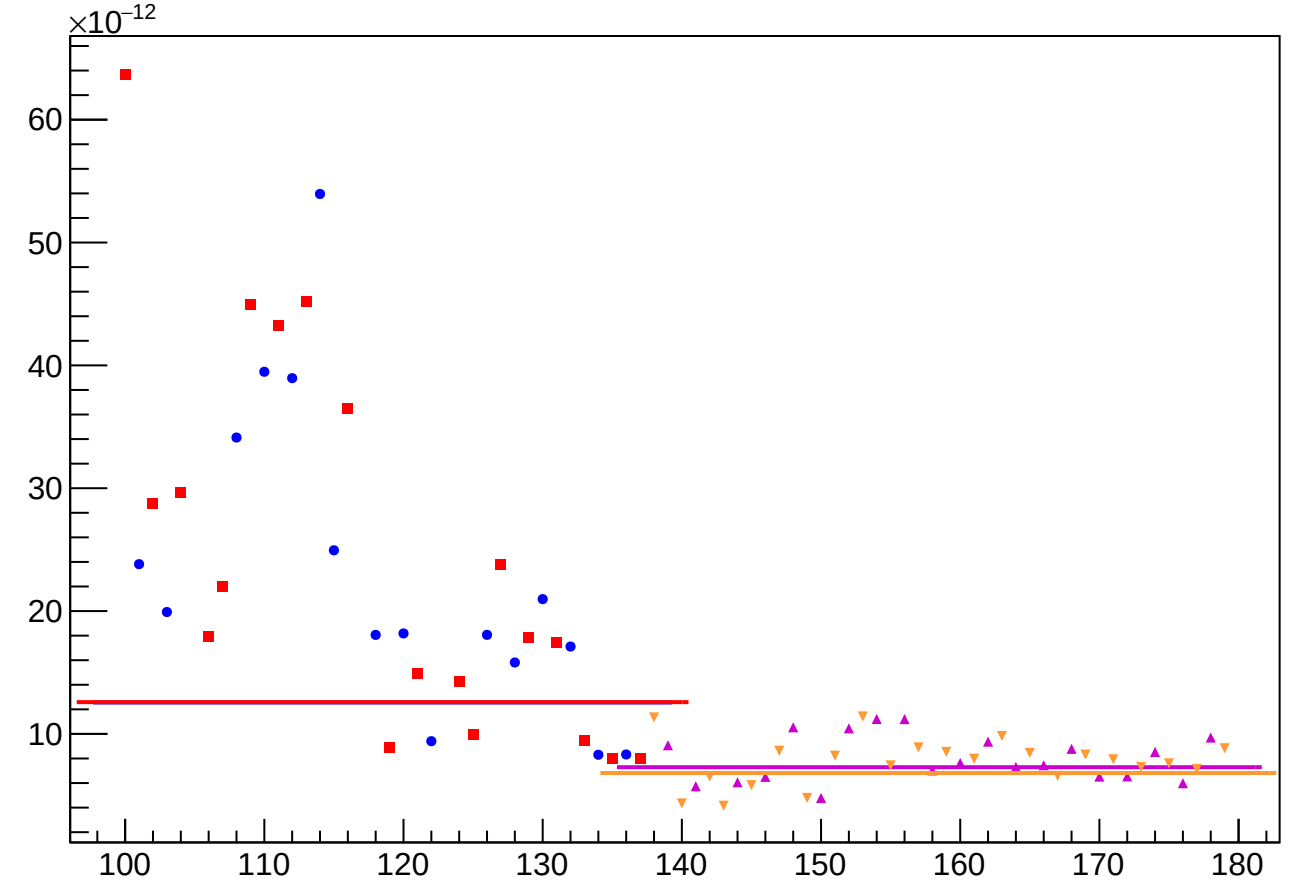
Left In: 36.057+/-0.007 χ^2/NDF:1610704.5/19

+ sign 34.679+/-0.005 χ^2/NDF: 5022508.7/37

All: 35.203+/-0.004 χ^2/NDF: 8503731.3/76

- sign 35.774+/-0.006 χ^2/NDF: 3461067.8/38


asym_sam_26_48_dd_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
1
0.8
0.6
0.4
0.2
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 16.9/15
Left Out: -0.000+/-0.000 χ²/NDF:25.5/21
Right Out: 0.000+/-0.000 χ²/NDF: 17.5/18
Left In: 0.000+/-0.000 χ²/NDF:12.5/19
+ sign 0.000+/-0.000 χ²/NDF: 45.6/37
All: 0.000+/-0.000 χ²/NDF: 77.0/76
- sign 0.000+/-0.000 χ²/NDF: 30.0/38



Right In: 0.000+/-0.000 χ^2/NDF: 2164553.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1825352.3/21

Right Out: 0.000+/-0.000 χ^2/NDF: 2747891.7/18

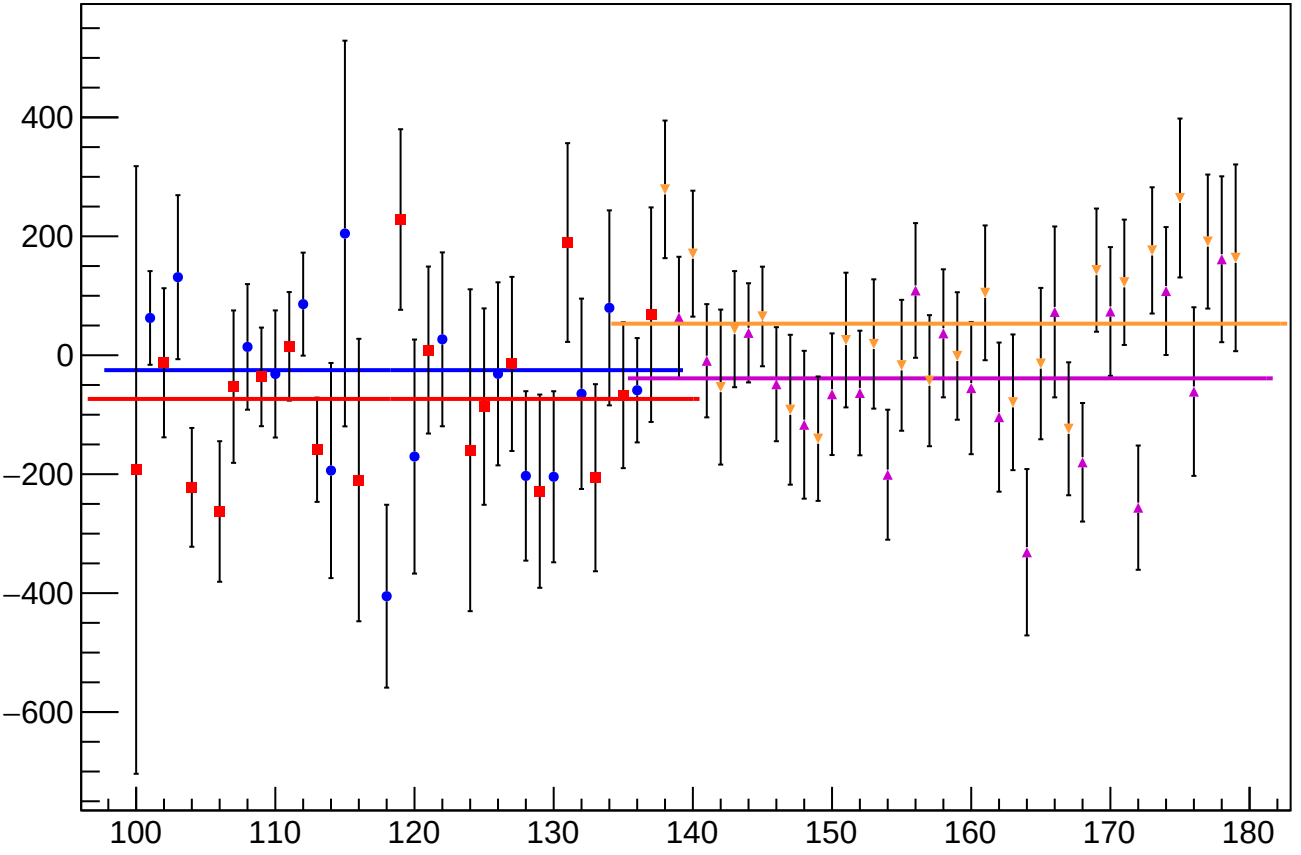
Left In: 0.000+/-0.000 χ^2/NDF:1242874.8/19

+ sign 0.000+/-0.000 χ^2/NDF: 5432141.2/37

All: 0.000+/-0.000 χ^2/NDF: 10618517.2/76

- sign 0.000+/-0.000 χ^2/NDF: 5131517.8/38

reg_asym_sam_1548_avg_mean vs Slug



Right In: -25.072+/-31.230 χ^2/NDF: 16.2/15

Left Out: 53.102+/-23.682 χ^2/NDF:23.4/21

Right Out: -73.458+/-29.935 χ^2/NDF: 16.8/18

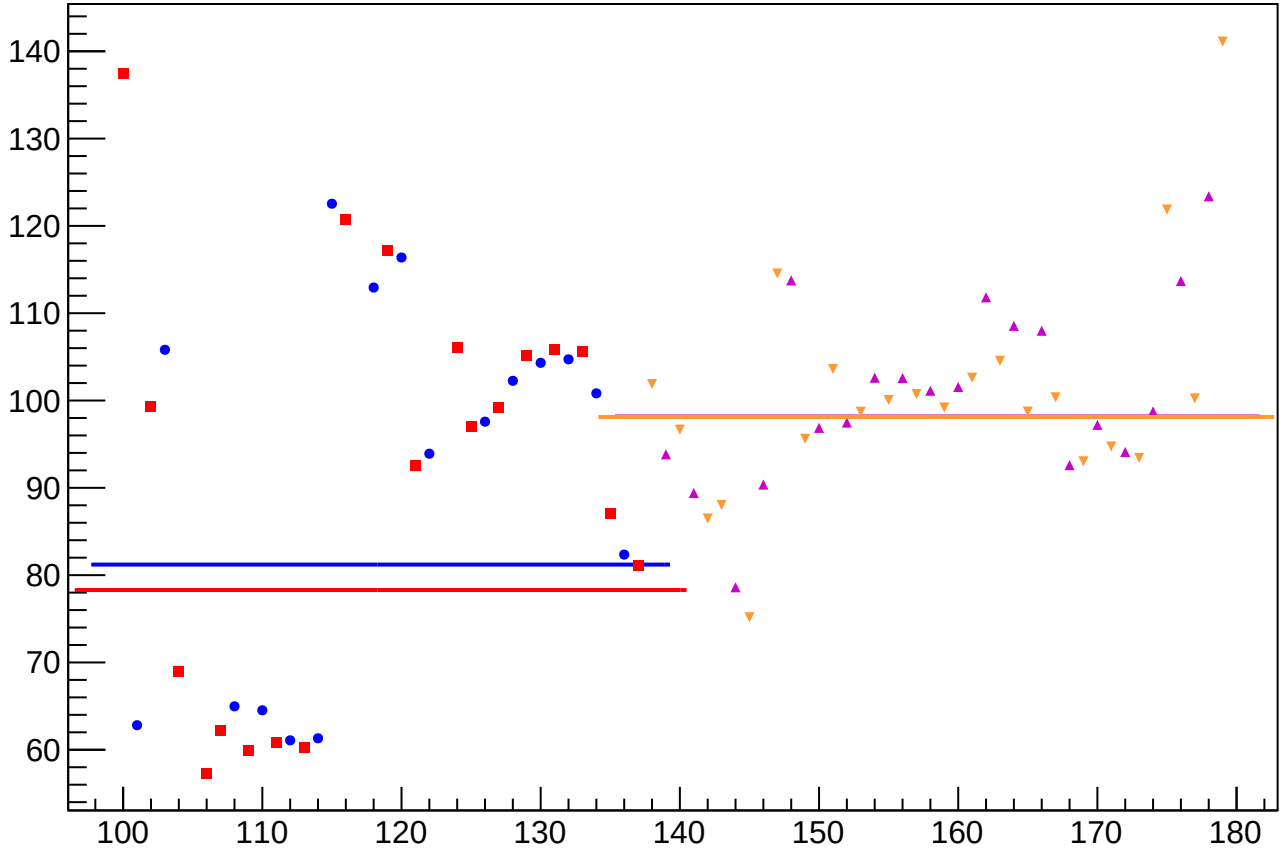
Left In: -38.857+/-24.492 χ^2/NDF:23.5/19

+ sign 24.561+/-18.870 χ^2/NDF: 43.6/37

All: -13.911+/-13.373 χ^2/NDF: 93.0/76

- sign -52.731+/-18.956 χ^2/NDF: 41.1/38

reg_asym_sam_1548_avg_rms vs Slug



Right In: 81.210+/-0.022 χ^2/NDF: 787676.9/15

Left Out: 98.118+/-0.017 χ^2/NDF:466771.6/21

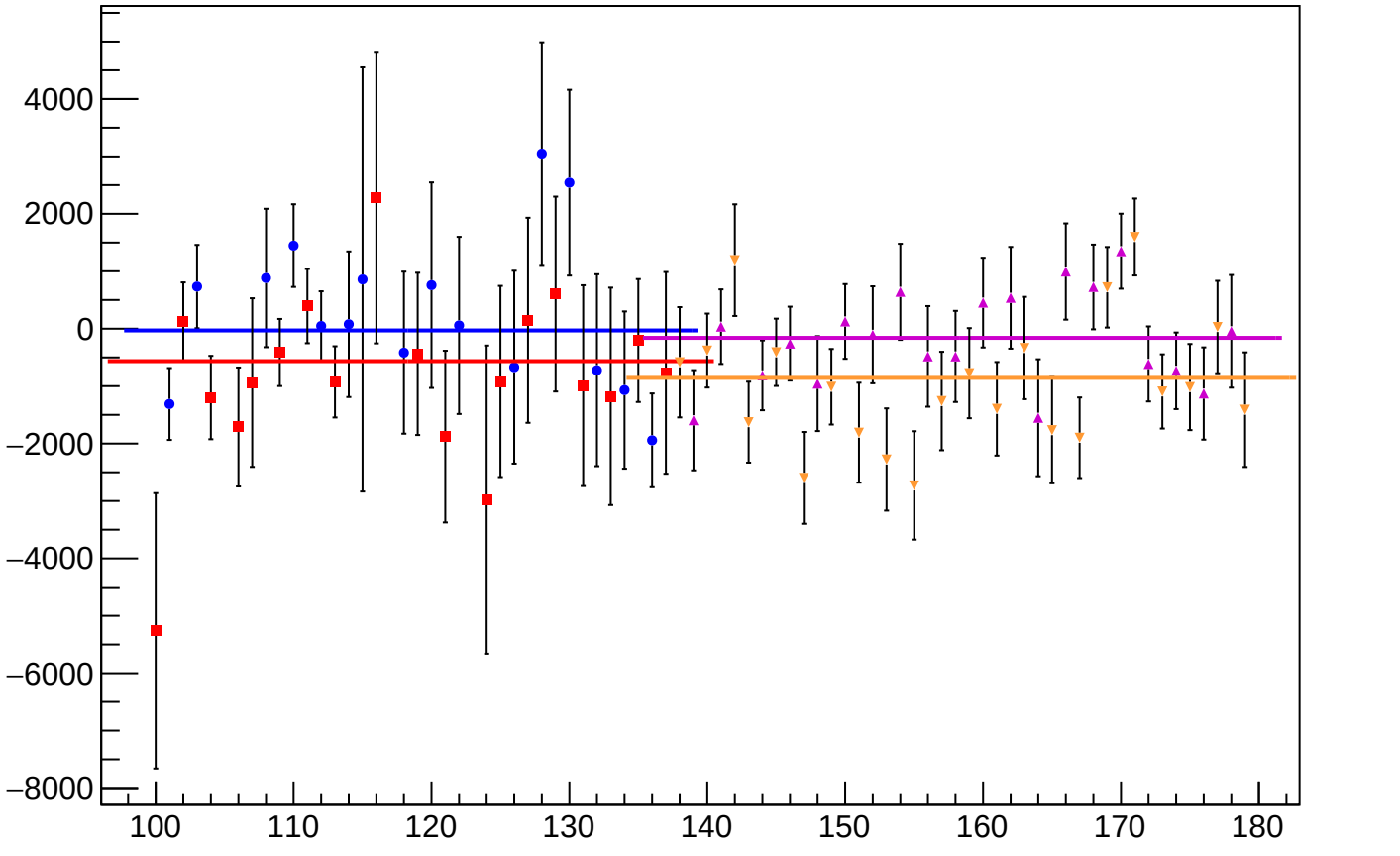
Right Out: 78.298+/-0.021 χ^2/NDF: 934673.9/18

Left In: 98.174+/-0.017 χ^2/NDF:328181.9/19

+ sign 91.945+/-0.013 χ^2/NDF: 1626663.5/37

All: 91.078+/-0.009 χ^2/NDF: 3426171.6/76

- sign 90.204+/-0.013 χ^2/NDF: 1791039.3/38



Right In: -30.407+/-256.999 χ^2/NDF: 21.9/15

Left Out: -856.224+/-164.379 χ^2/NDF:43.7/21

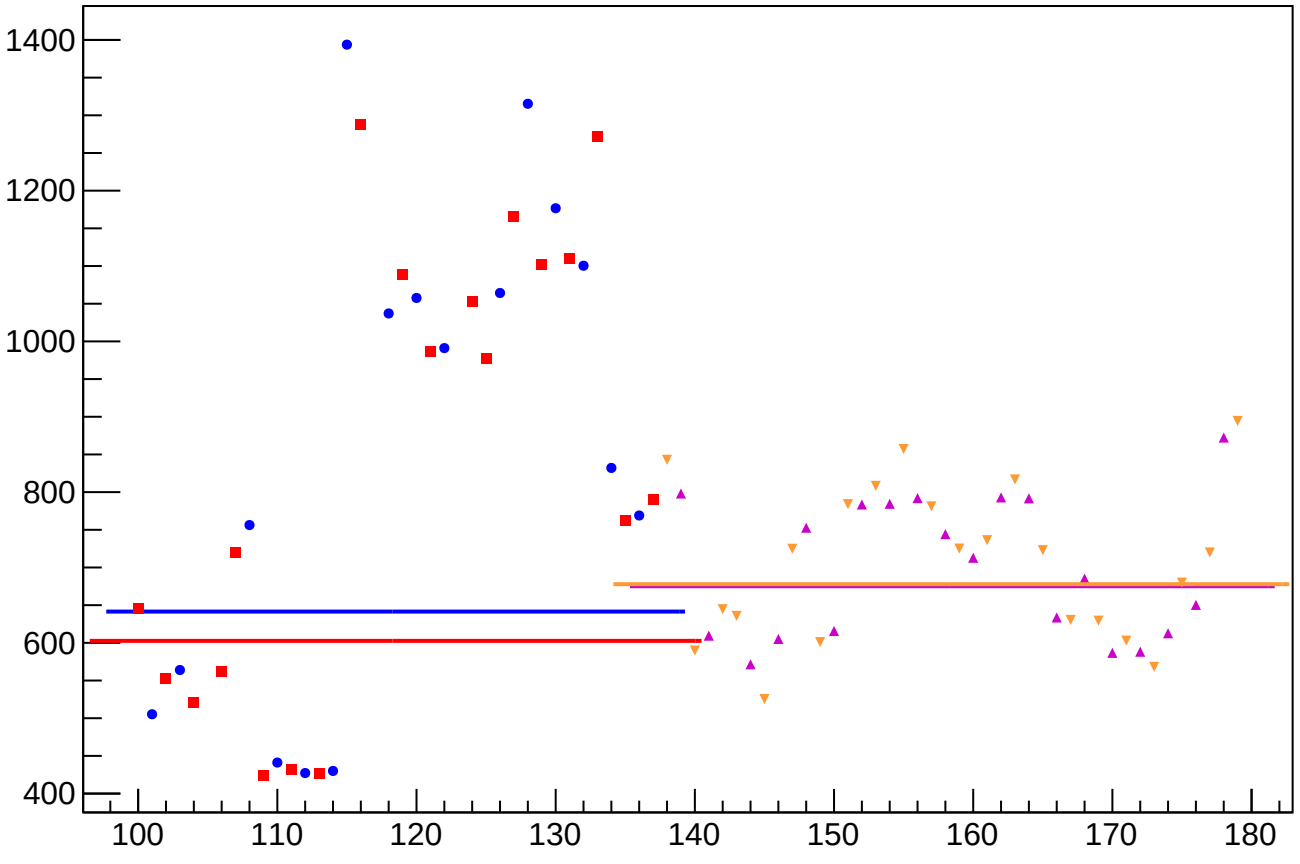
Right Out: -564.890+/-238.492 χ^2/NDF: 13.3/18

Left In: -159.973+/-168.952 χ^2/NDF:20.8/19

+ sign -616.466+/-138.477 χ^2/NDF: 72.9/37

All: -455.159+/-97.700 χ^2/NDF: 111.6/76

- sign -295.278+/-137.863 χ^2/NDF: 36.0/38



Right In: 641.499+/-0.182 χ^2/NDF: 1874990.8/15

Left Out: 677.823+/-0.116 χ^2/NDF:721584.8/21

Right Out: 602.654+/-0.169 χ^2/NDF: 2070307.7/18

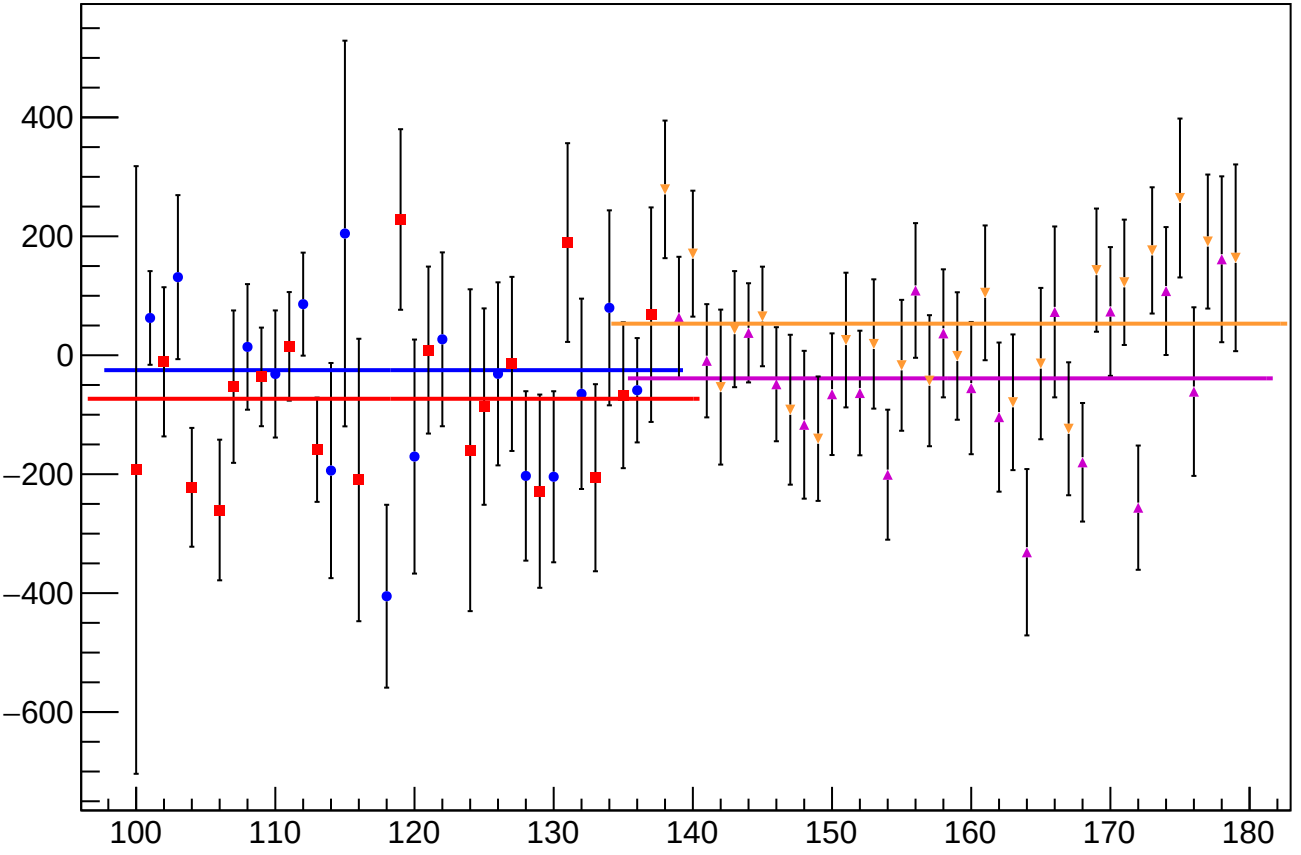
Left In: 675.142+/-0.119 χ^2/NDF:538243.4/19

+ sign 667.277+/-0.098 χ^2/NDF: 2624929.7/37

All: 659.062+/-0.069 χ^2/NDF: 5370520.1/76

- sign 650.920+/-0.097 χ^2/NDF: 2731575.6/38

cor_asym_sam_1548_avg_mean vs Slug



Right In: -25.075+/-31.230 χ^2/NDF: 16.2/15

Left Out: 53.106+/-23.682 χ^2/NDF:23.4/21

Right Out: -73.193+/-29.937 χ^2/NDF: 16.7/18

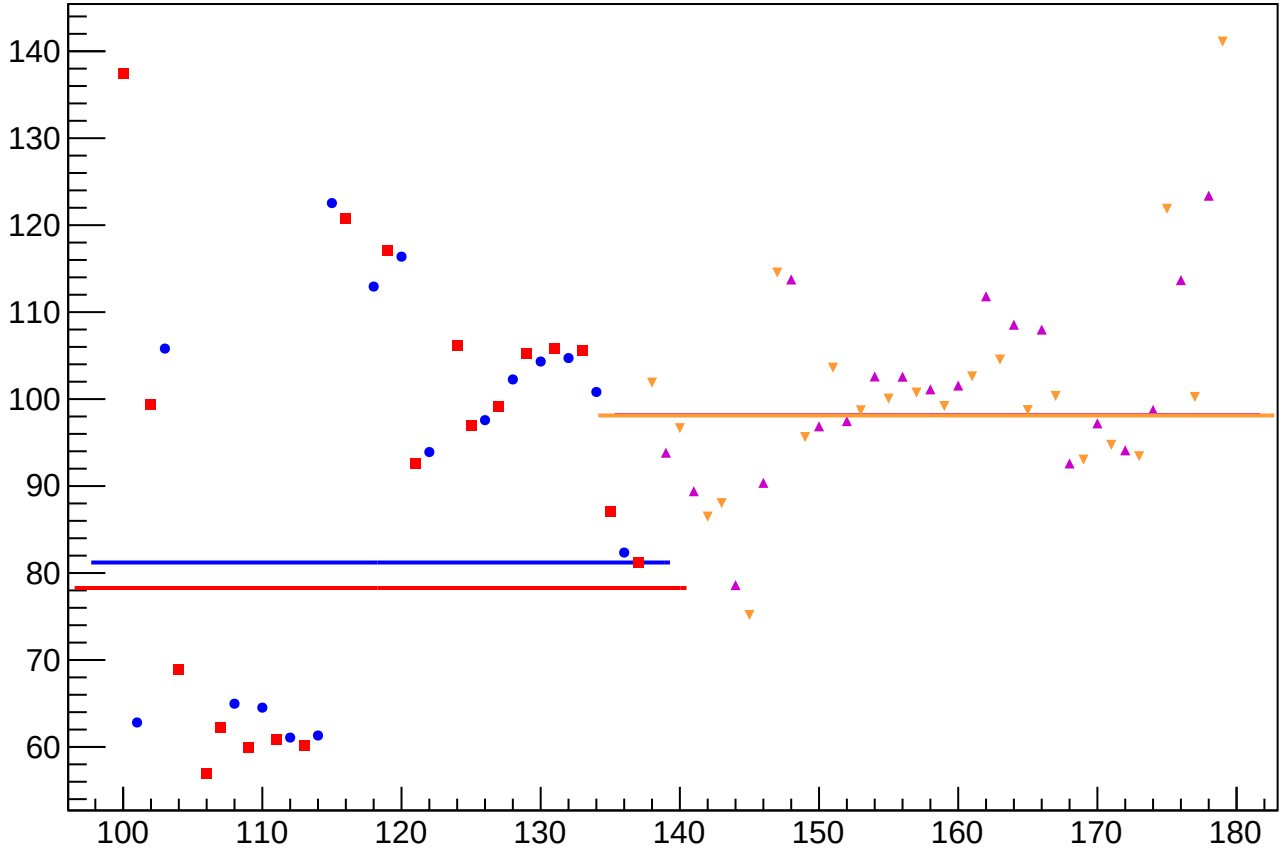
Left In: -38.857+/-24.492 χ^2/NDF:23.5/19

+ sign 24.562+/-18.870 χ^2/NDF: 43.6/37

All: -13.856+/-13.373 χ^2/NDF: 92.9/76

- sign -52.624+/-18.956 χ^2/NDF: 41.0/38

cor_asym_sam_1548_avg_rms vs Slug



Right In: 81.210+/-0.022 χ^2/NDF: 787679.3/15

Left Out: 98.118+/-0.017 χ^2/NDF:466771.6/21

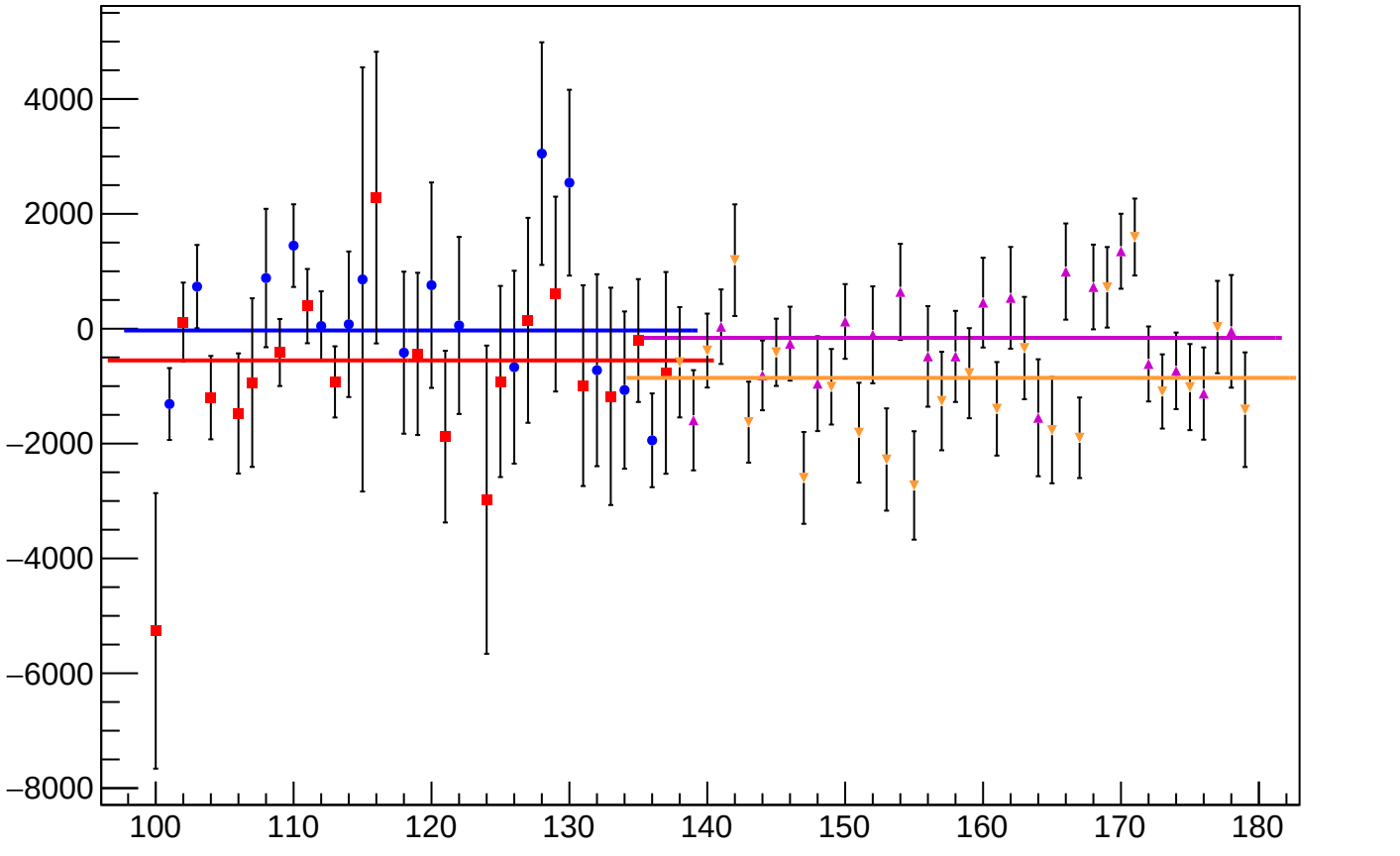
Right Out: 78.279+/-0.021 χ^2/NDF: 936812.2/18

Left In: 98.174+/-0.017 χ^2/NDF:328181.9/19

+ sign 91.945+/-0.013 χ^2/NDF: 1626665.0/37

All: 91.075+/-0.009 χ^2/NDF: 3429331.0/76

- sign 90.197+/-0.013 χ^2/NDF: 1794130.2/38



Right In: -30.434+/-257.002 χ^2/NDF: 21.9/15

Left Out: -856.218+/-164.379 χ^2/NDF:43.7/21

Right Out: -551.948+/-238.640 χ^2/NDF: 12.8/18

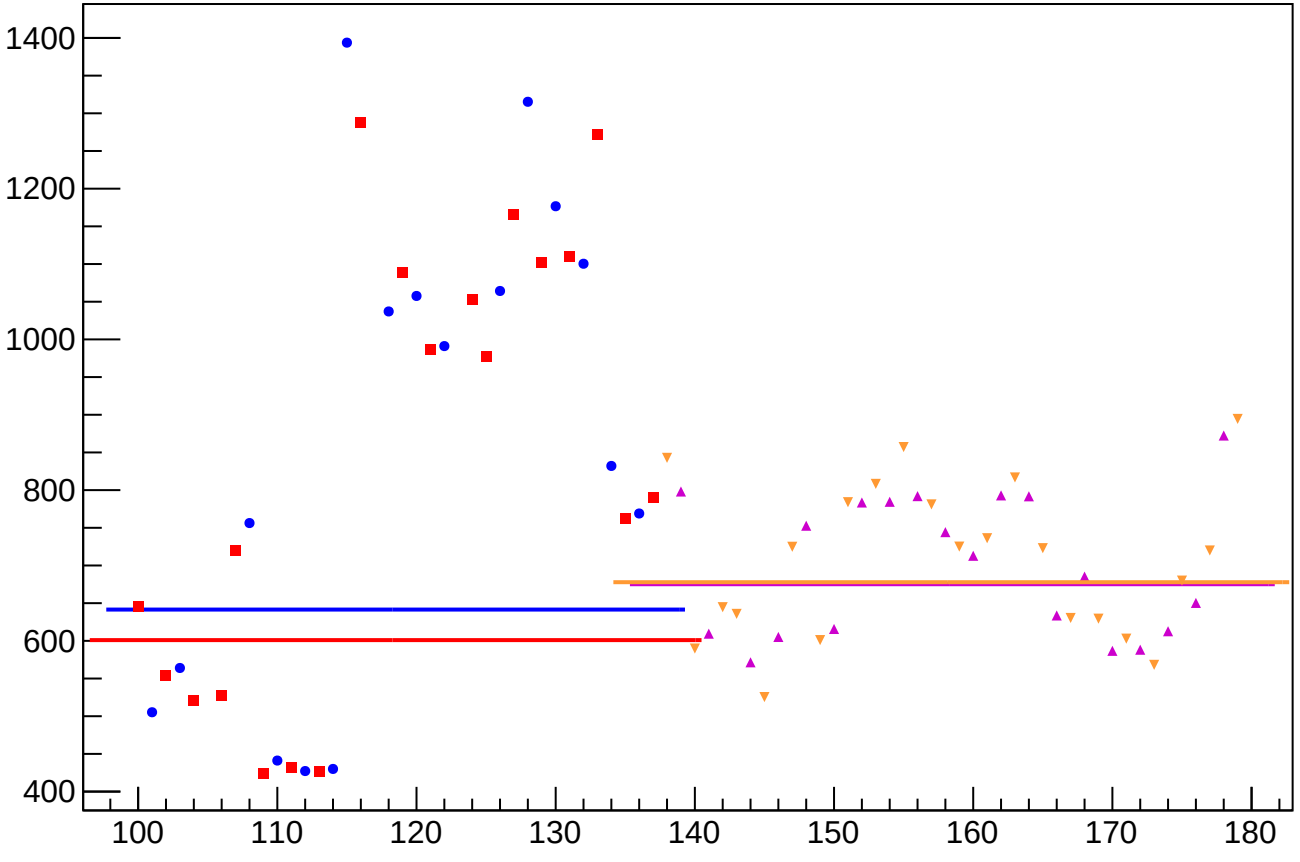
Left In: -159.975+/-168.952 χ^2/NDF:20.8/19

+ sign -616.474+/-138.477 χ^2/NDF: 72.9/37

All: -452.971+/-97.711 χ^2/NDF: 111.1/76

- sign -290.847+/-137.892 χ^2/NDF: 35.4/38

asym_sam_1548_avg_cor_correction_rms vs Slug



Right In: 641.507+/-0.182 χ^2/NDF: 1874950.0/15

Left Out: 677.823+/-0.116 χ^2/NDF:721584.6/21

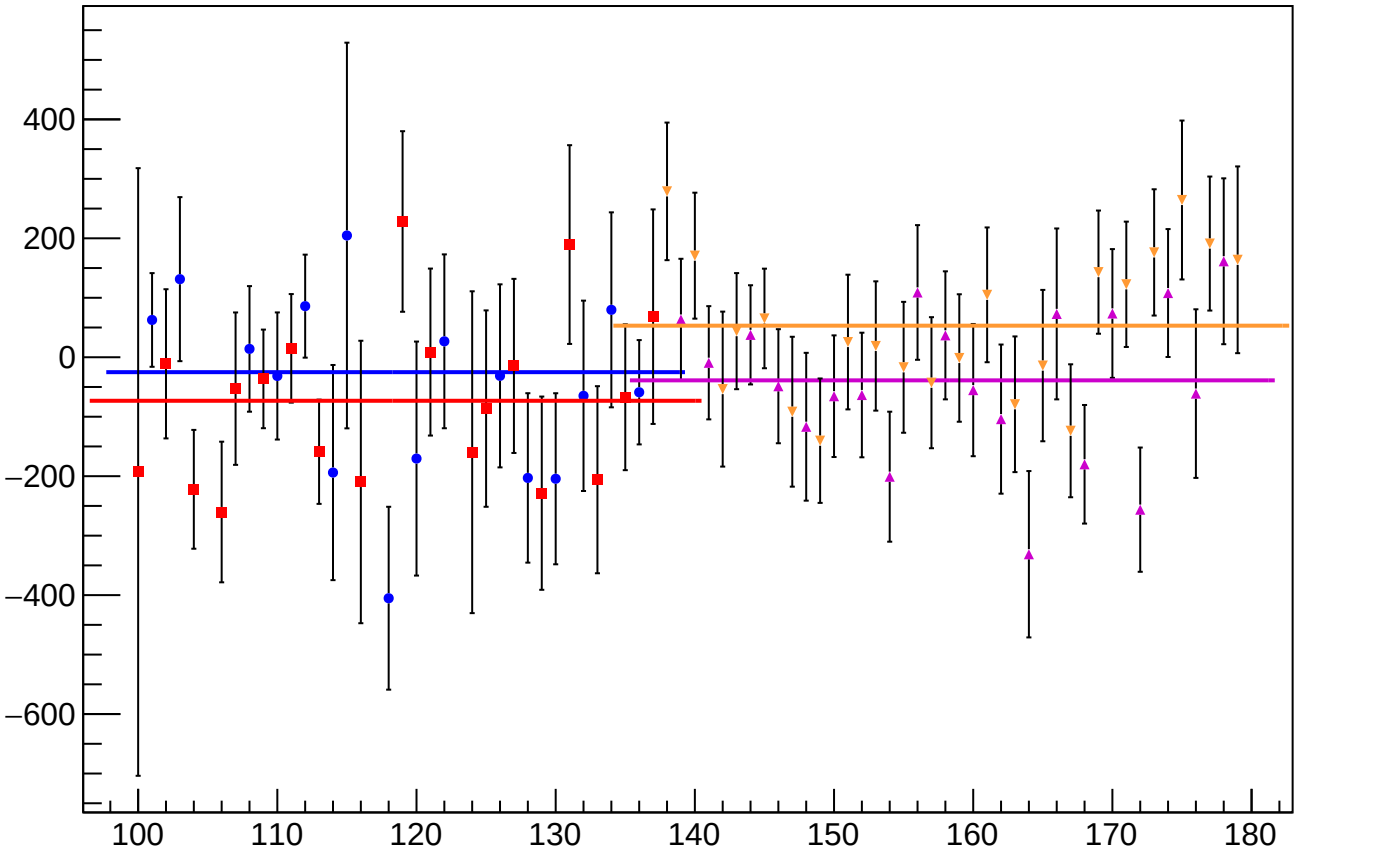
Right Out: 600.975+/-0.169 χ^2/NDF: 2077232.5/18

Left In: 675.142+/-0.119 χ^2/NDF:538244.5/19

+ sign 667.279+/-0.098 χ^2/NDF: 2624874.1/37

All: 658.794+/-0.069 χ^2/NDF: 5383989.4/76

- sign 650.379+/-0.098 χ^2/NDF: 2744157.6/38



Right In: -25.075+/-31.230 χ^2/NDF: 16.2/15

Left Out: 53.106+/-23.682 χ^2/NDF:23.4/21

Right Out: -73.193+/-29.937 χ^2/NDF: 16.7/18

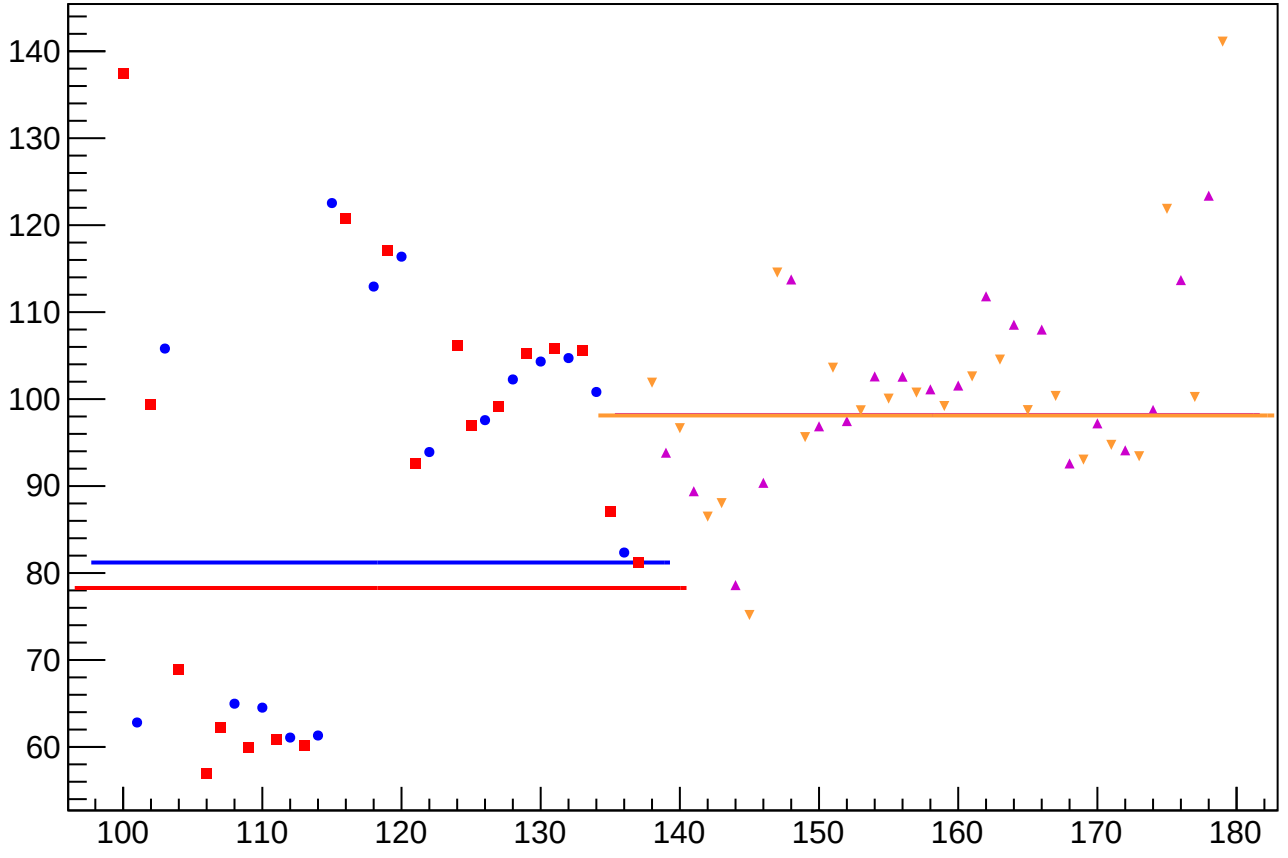
Left In: -38.857+/-24.492 χ^2/NDF:23.5/19

+ sign 24.562+/-18.870 χ^2/NDF: 43.6/37

All: -13.856+/-13.373 χ^2/NDF: 92.9/76

- sign -52.624+/-18.956 χ^2/NDF: 41.0/38

eigen_cor_asym_sam_1548_avg_rms vs Slug



Right In: 81.210+/-0.022 χ^2/NDF: 787679.3/15

Left Out: 98.118+/-0.017 χ^2/NDF:466771.6/21

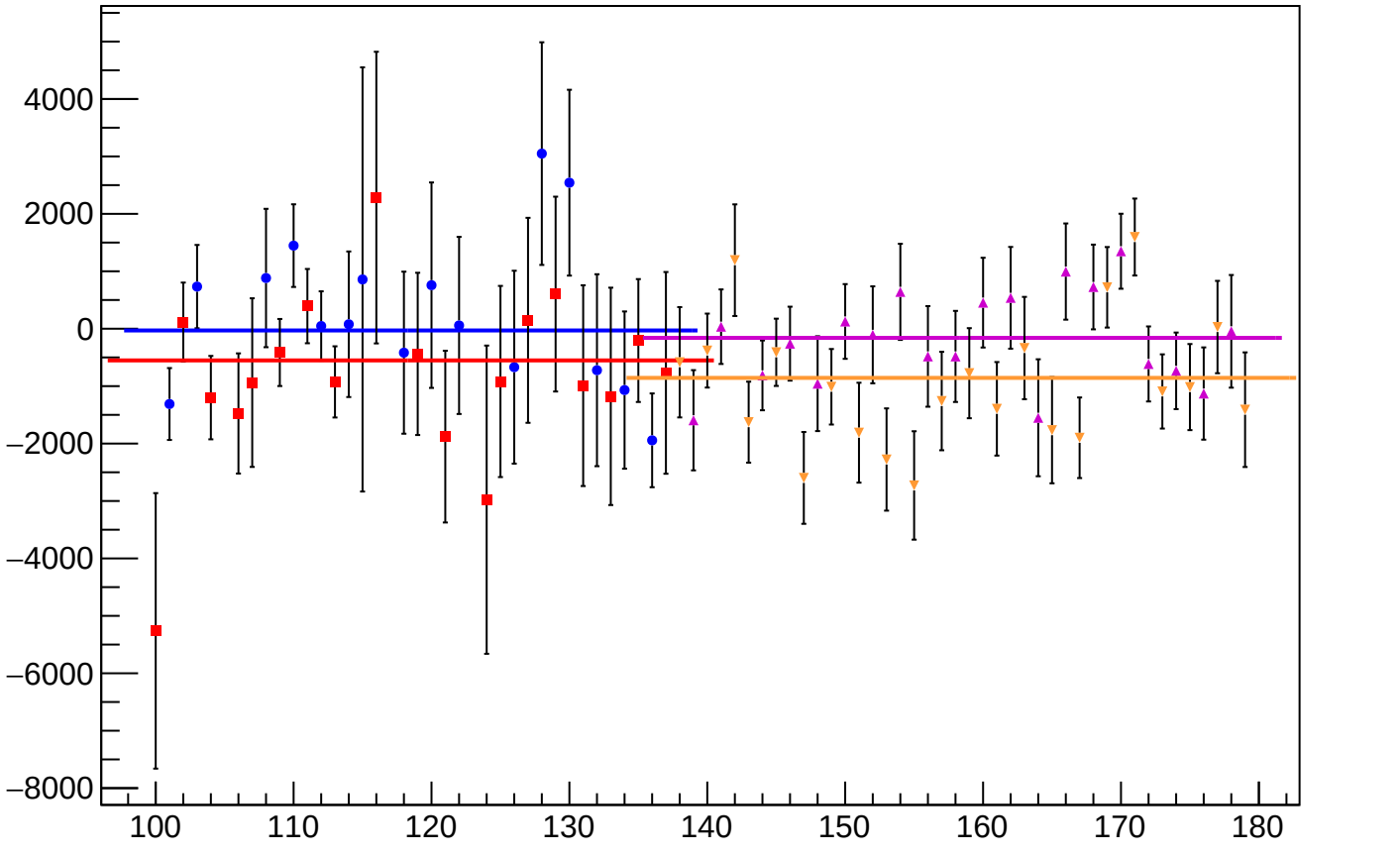
Right Out: 78.279+/-0.021 χ^2/NDF: 936812.2/18

Left In: 98.174+/-0.017 χ^2/NDF:328181.9/19

+ sign 91.945+/-0.013 χ^2/NDF: 1626665.0/37

All: 91.075+/-0.009 χ^2/NDF: 3429331.0/76

- sign 90.197+/-0.013 χ^2/NDF: 1794130.2/38



Right In: -30.434+/-257.002 χ^2/NDF: 21.9/15

Left Out: -856.218+/-164.379 χ^2/NDF:43.7/21

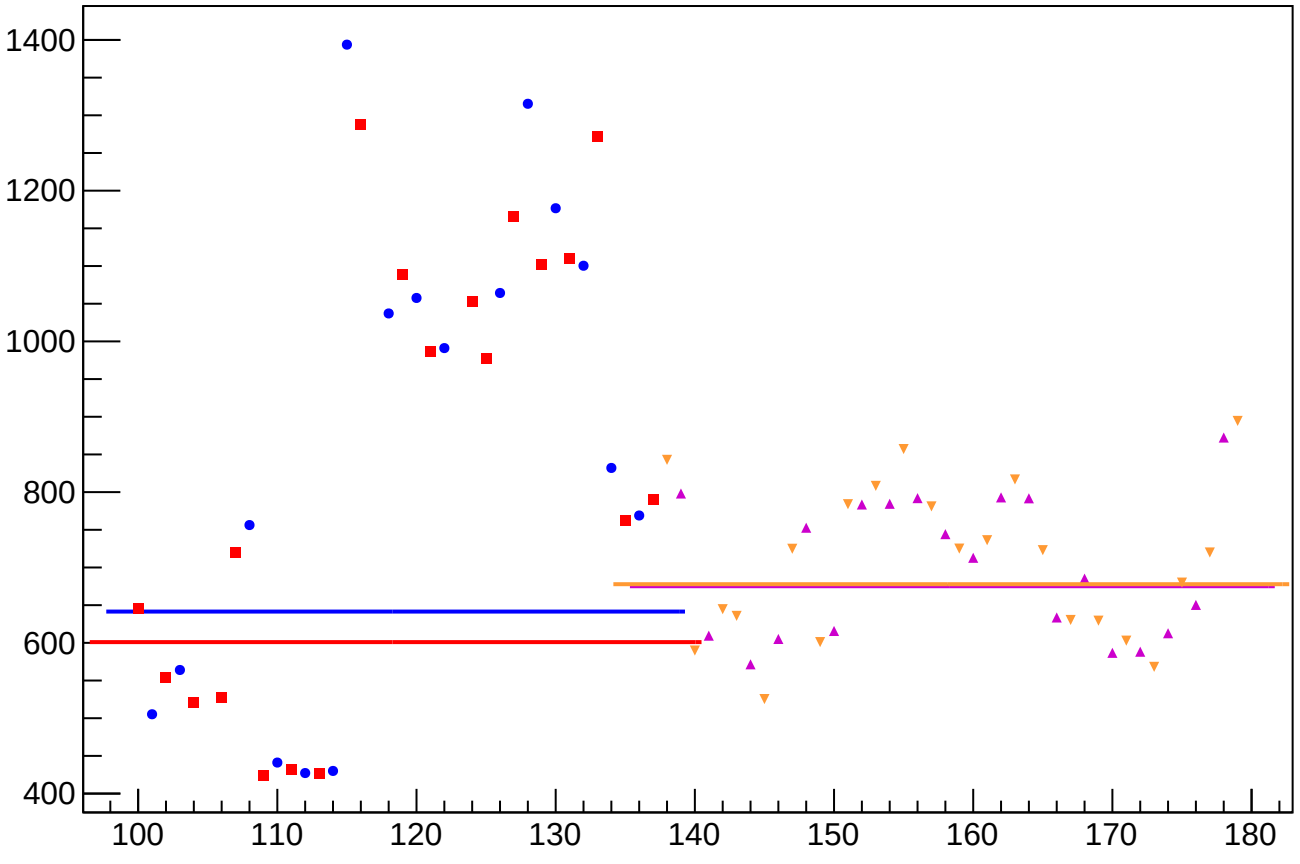
Right Out: -551.948+/-238.640 χ^2/NDF: 12.8/18

Left In: -159.975+/-168.952 χ^2/NDF:20.8/19

+ sign -616.474+/-138.477 χ^2/NDF: 72.9/37

All: -452.971+/-97.711 χ^2/NDF: 111.1/76

- sign -290.847+/-137.892 χ^2/NDF: 35.4/38



Right In: 641.507+/-0.182 χ^2/NDF: 1874950.0/15

Left Out: 677.823+/-0.116 χ^2/NDF:721584.6/21

Right Out: 600.975+/-0.169 χ^2/NDF: 2077232.5/18

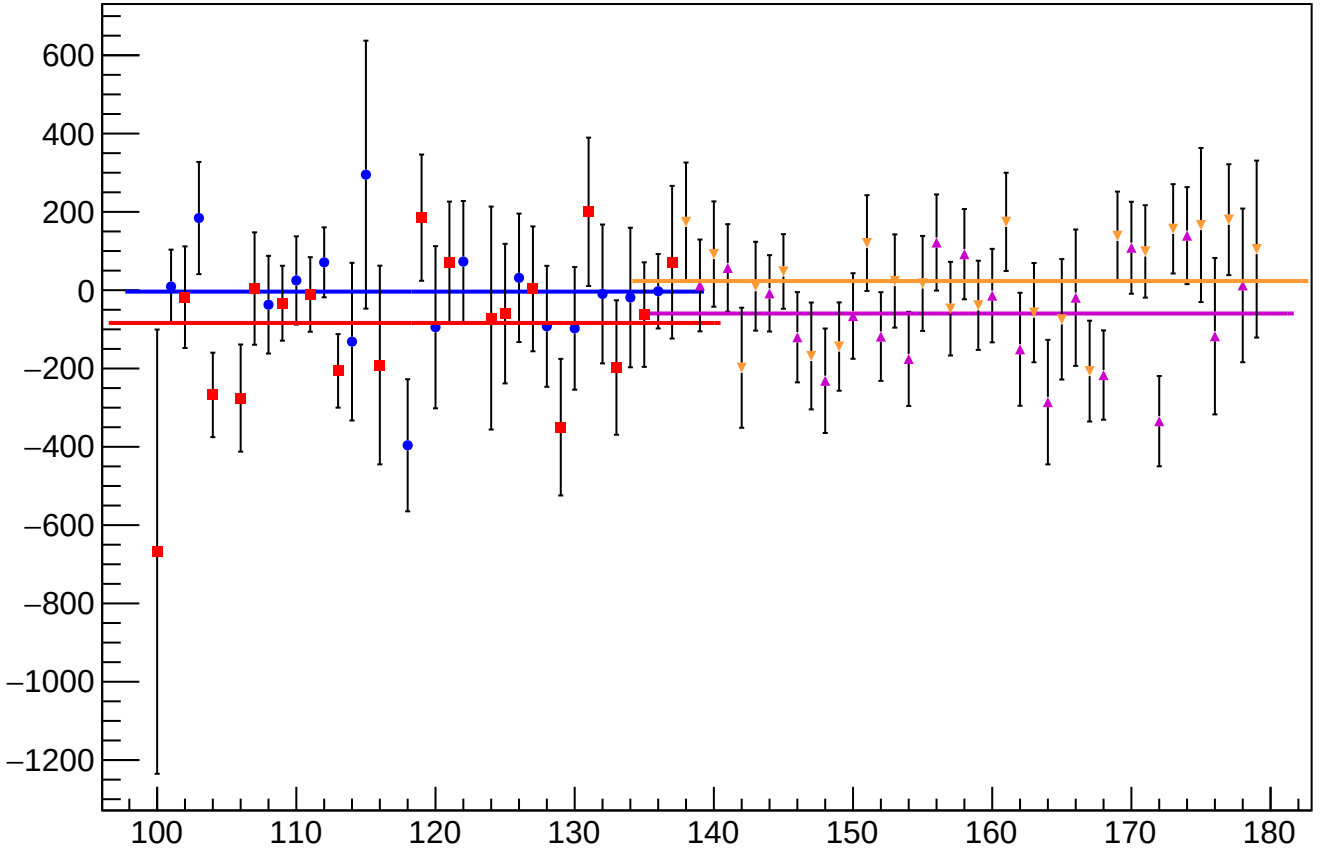
Left In: 675.142+/-0.119 χ^2/NDF:538244.5/19

+ sign 667.279+/-0.098 χ^2/NDF: 2624874.1/37

All: 658.794+/-0.069 χ^2/NDF: 5383989.4/76

- sign 650.379+/-0.098 χ^2/NDF: 2744157.6/38

dit_asym_sam_1548_avg_mean vs Slug



Right In: -3.635+/-34.152 χ^2/NDF: 10.3/15

Left Out: 23.375+/-27.070 χ^2/NDF:19.0/21

Right Out: -83.676+/-32.633 χ^2/NDF: 19.1/18

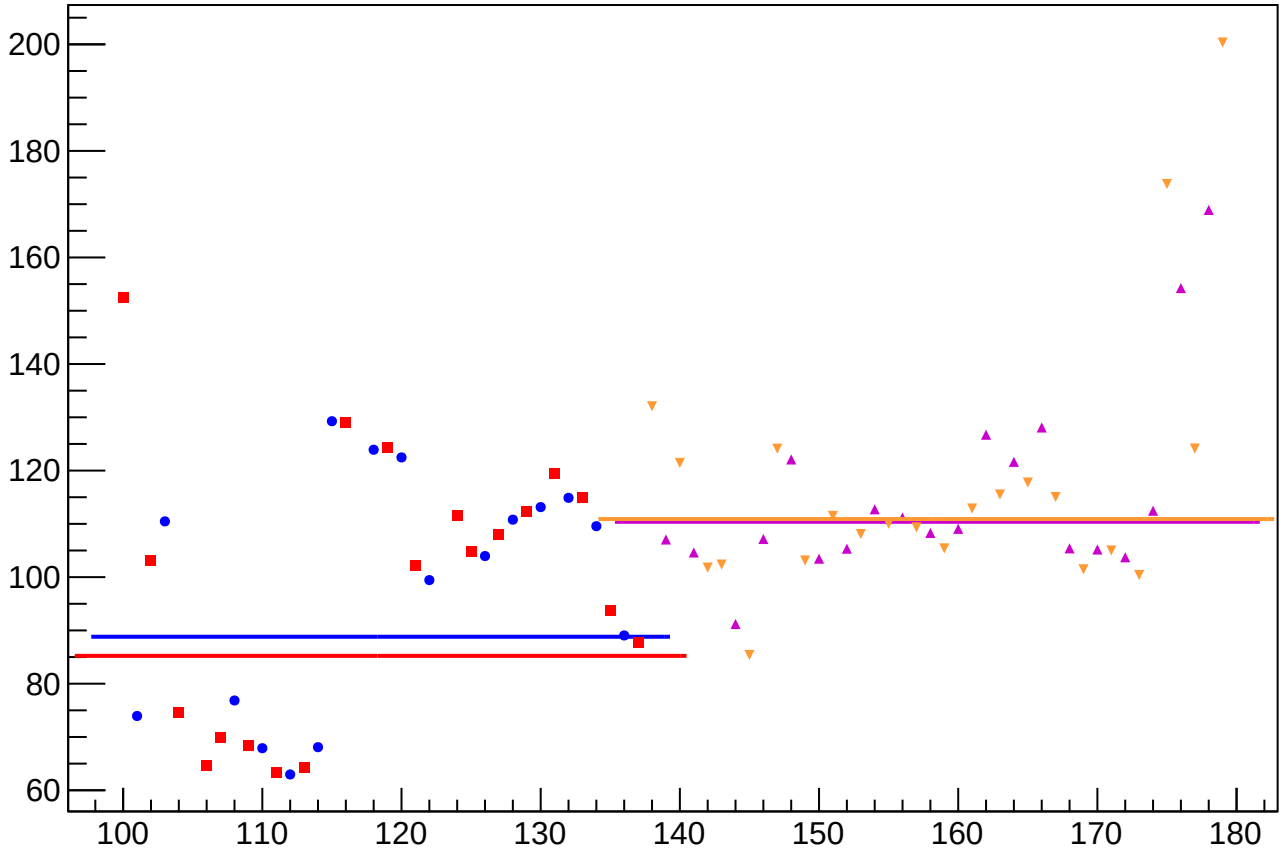
Left In: -59.547+/-27.804 χ^2/NDF:23.8/19

+ sign 12.954+/-21.214 χ^2/NDF: 29.7/37

All: -28.470+/-14.983 χ^2/NDF: 80.6/76

- sign -69.696+/-21.164 χ^2/NDF: 43.2/38

dit_asym_sam_1548_avg_rms vs Slug



Right In: 88.813+/-0.024 χ^2/NDF: 724609.8/15

Left Out: 110.907+/-0.019 χ^2/NDF:827725.5/21

Right Out: 85.225+/-0.023 χ^2/NDF: 884071.4/18

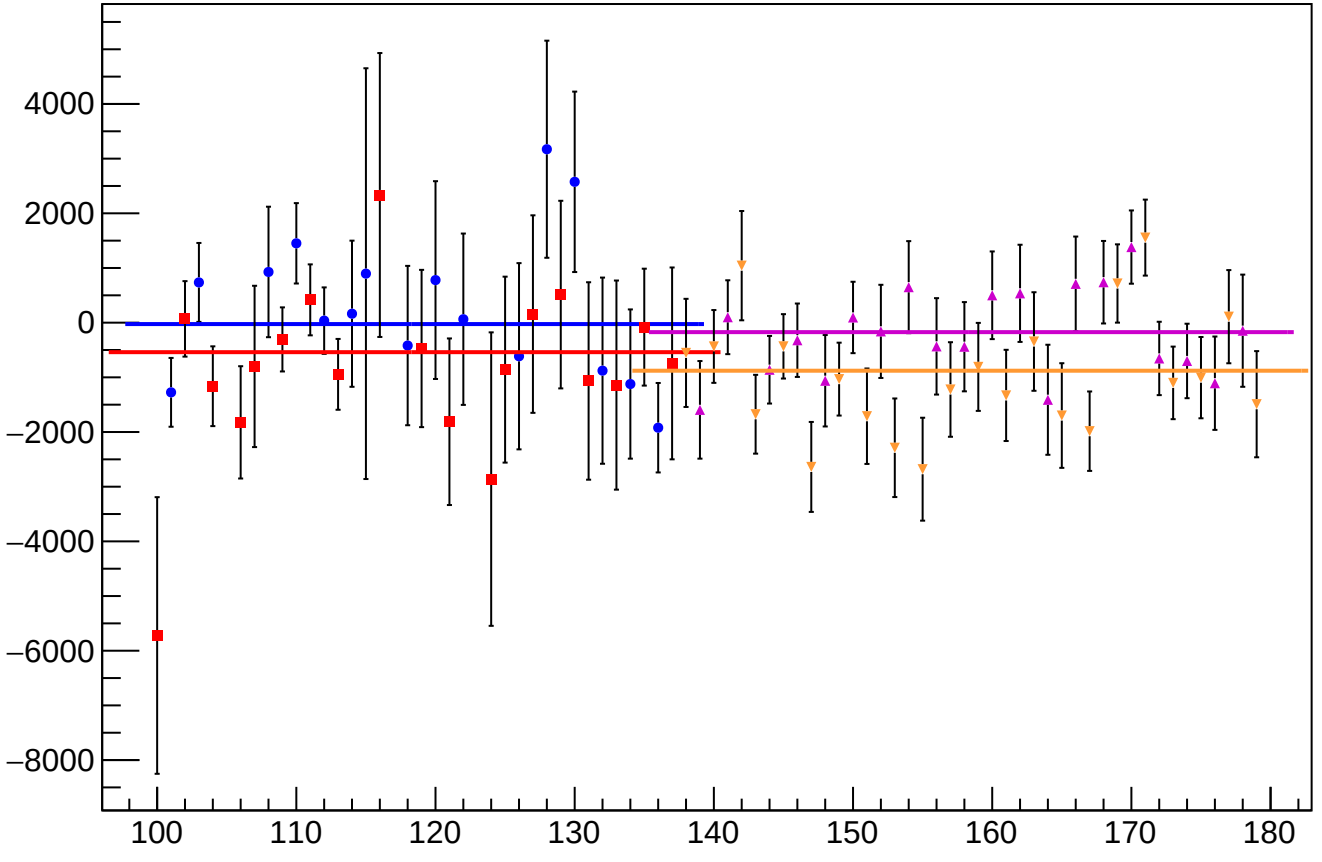
Left In: 110.384+/-0.020 χ^2/NDF:460755.1/19

+ sign 102.382+/-0.015 χ^2/NDF: 2066378.1/37

All: 101.089+/-0.011 χ^2/NDF: 4114843.8/76

- sign 99.802+/-0.015 χ^2/NDF: 2033635.5/38

asym_sam_1548_avg_dit_correction_mean vs Slug



Right In: -25.770+/-259.401 χ^2/NDF: 21.6/15

Left Out: -878.785+/-167.677 χ^2/NDF:40.7/21

Right Out: -539.635+/-241.238 χ^2/NDF: 13.6/18

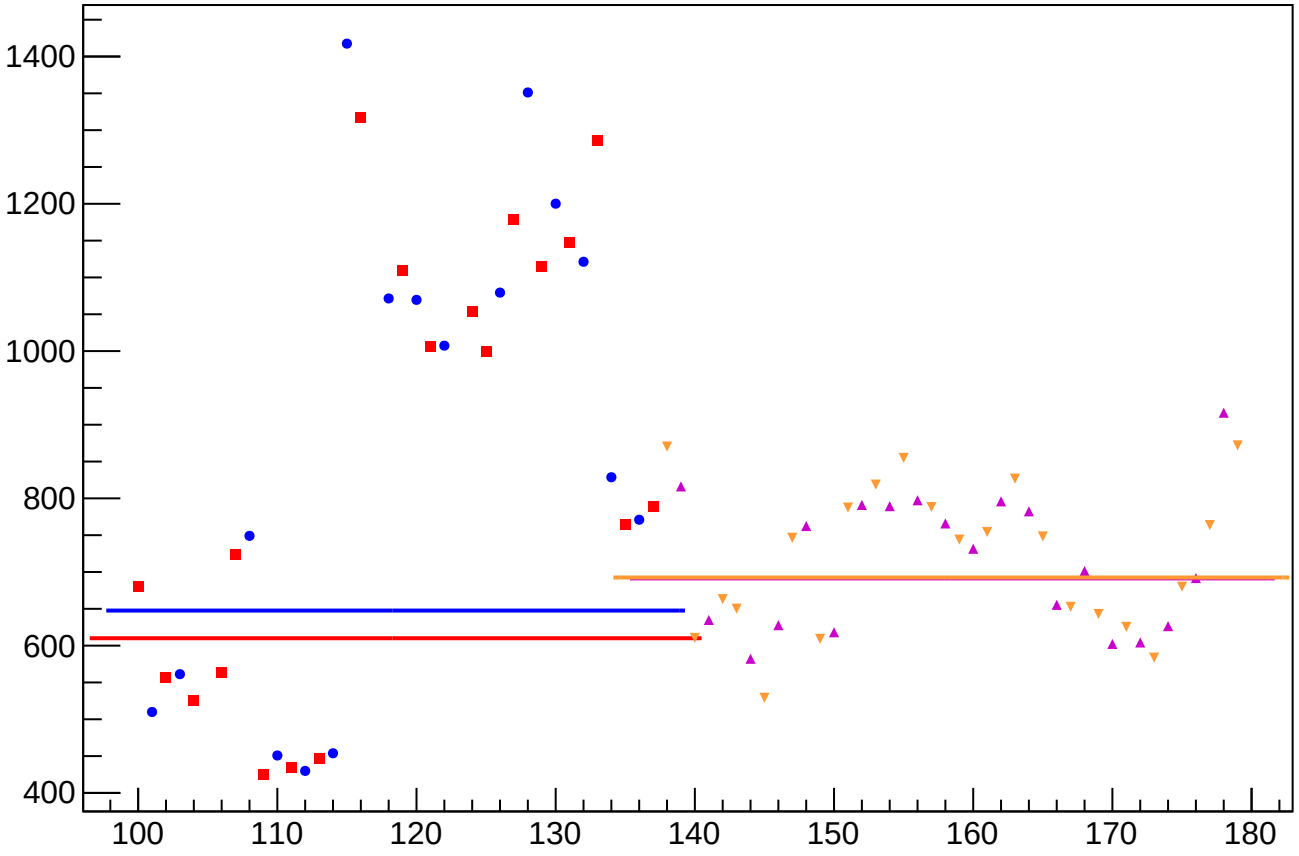
Left In: -173.217+/-172.868 χ^2/NDF:19.5/19

+ sign -627.403+/-140.819 χ^2/NDF: 69.9/37

All: -462.113+/-99.467 χ^2/NDF: 107.3/76

- sign -297.535+/-140.516 χ^2/NDF: 34.7/38

asym_sam_1548_avg_dit_correction_rms vs Slug



Right In: 647.641+/-0.183 χ^2/NDF: 1887815.9/15

Left Out: 692.535+/-0.119 χ^2/NDF:685292.5/21

Right Out: 610.061+/-0.171 χ^2/NDF: 2074248.2/18

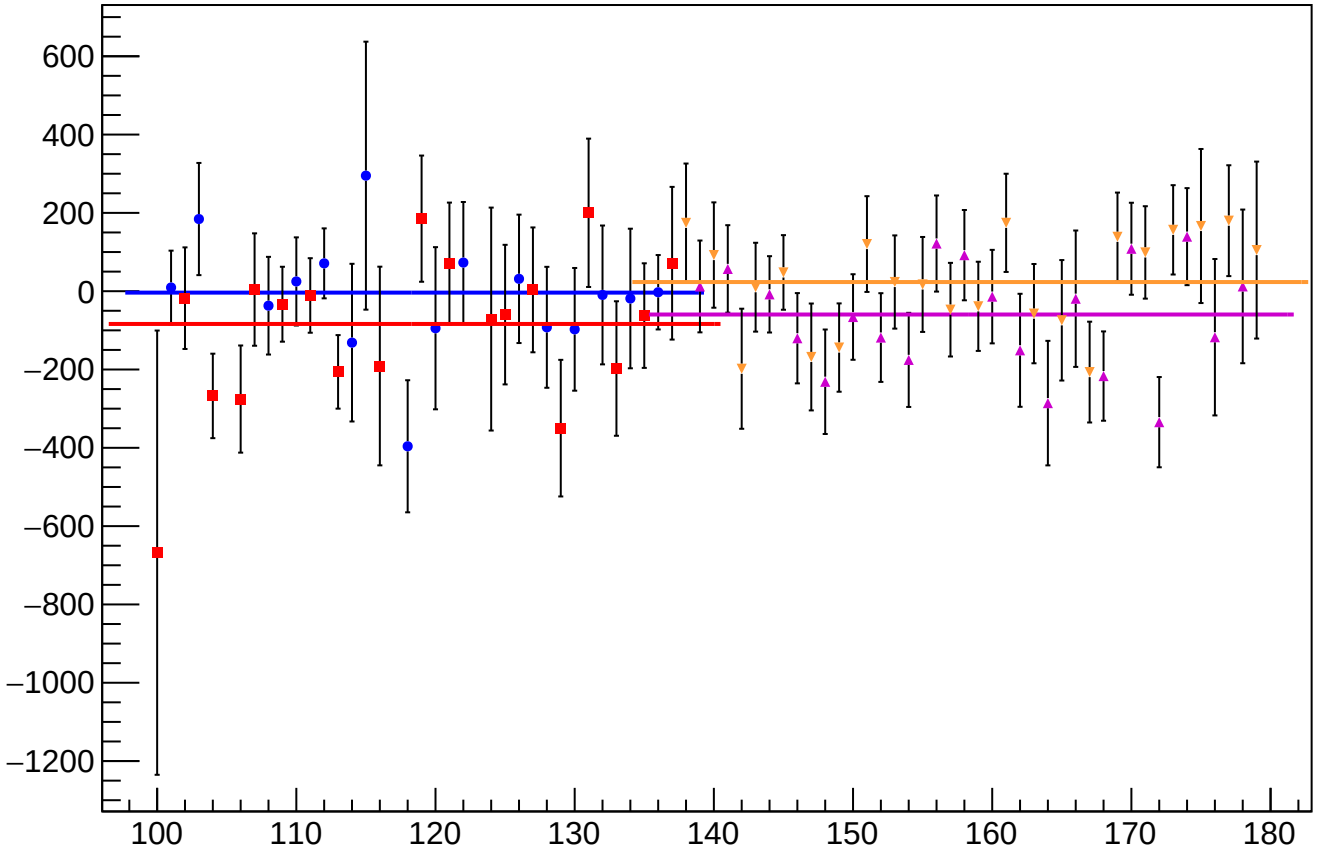
Left In: 691.288+/-0.122 χ^2/NDF:509442.3/19

\+ sign 679.305+/-0.100 χ^2/NDF: 2615360.9/37

All: 671.500+/-0.070 χ^2/NDF: 5361128.9/76

\- sign 663.729+/-0.099 χ^2/NDF: 2733507.5/38

eigen_dit_asym_sam_1548_avg_mean vs Slug



Right In: -3.633+/-34.152 χ^2/NDF: 10.3/15

Left Out: 23.377+/-27.070 χ^2/NDF:19.0/21

Right Out: -83.676+/-32.633 χ^2/NDF: 19.1/18

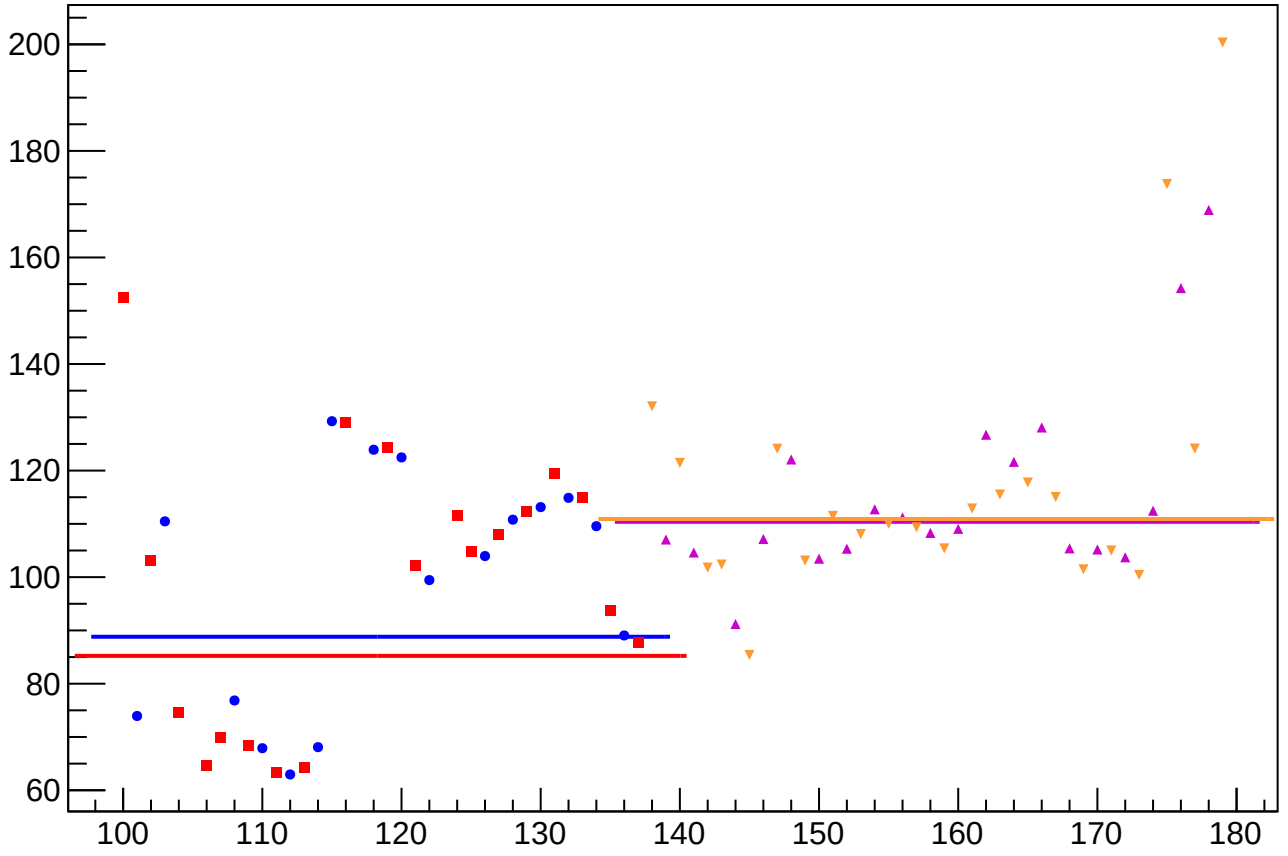
Left In: -59.547+/-27.804 χ^2/NDF:23.8/19

+ sign 12.955+/-21.214 χ^2/NDF: 29.7/37

All: -28.469+/-14.983 χ^2/NDF: 80.6/76

- sign -69.696+/-21.164 χ^2/NDF: 43.2/38

eigen_dit_asym_sam_1548_avg_rms vs Slug



Right In: 88.813+/-0.024 χ^2/NDF: 724609.7/15

Left Out: 110.907+/-0.019 χ^2/NDF:827721.0/21

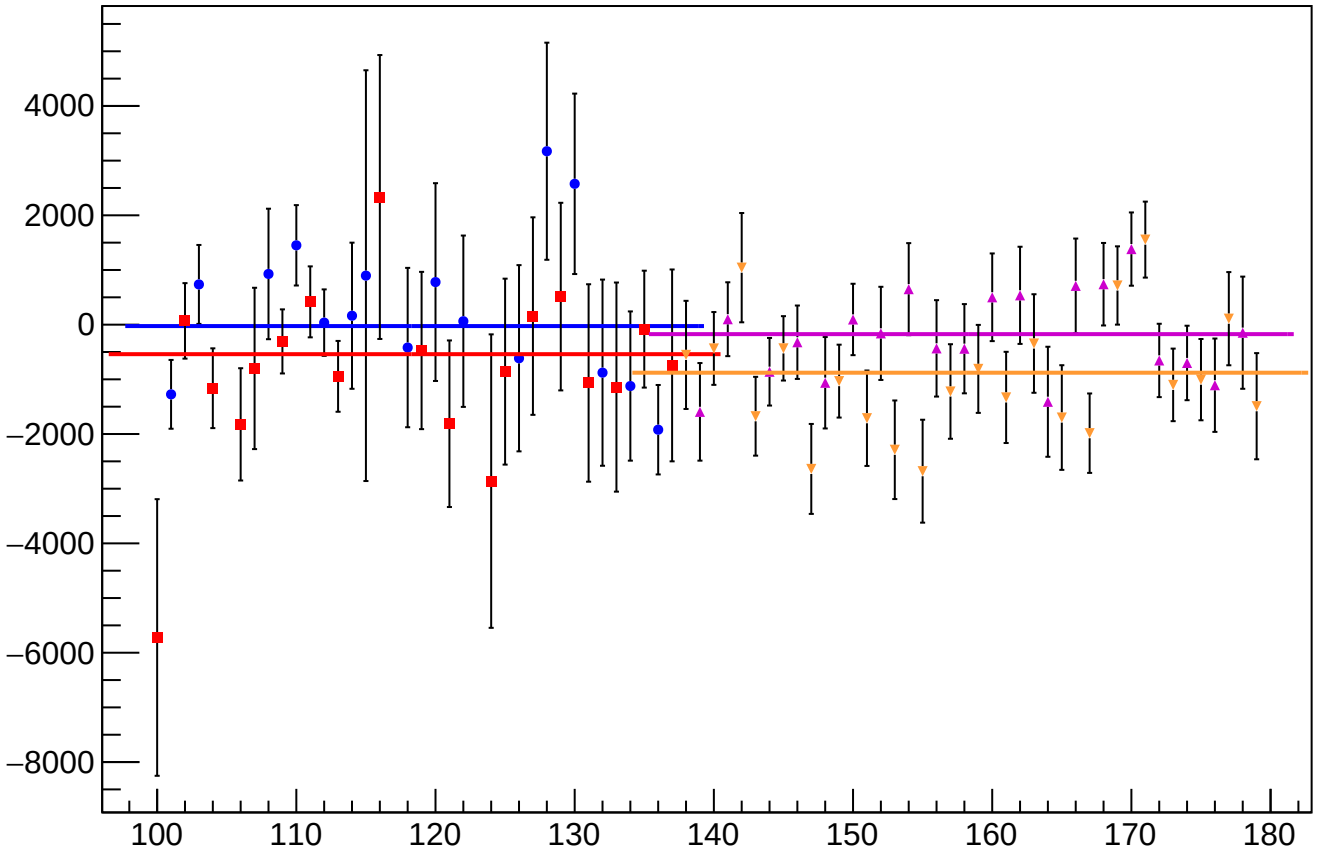
Right Out: 85.225+/-0.023 χ^2/NDF: 884073.3/18

Left In: 110.384+/-0.020 χ^2/NDF:460740.7/19

+ sign 102.382+/-0.015 χ^2/NDF: 2066379.7/37

All: 101.089+/-0.011 χ^2/NDF: 4114842.9/76

- sign 99.802+/-0.015 χ^2/NDF: 2033633.0/38



Right In: -25.770+/-259.401 χ^2/NDF: 21.6/15

Left Out: -878.783+/-167.677 χ^2/NDF:40.7/21

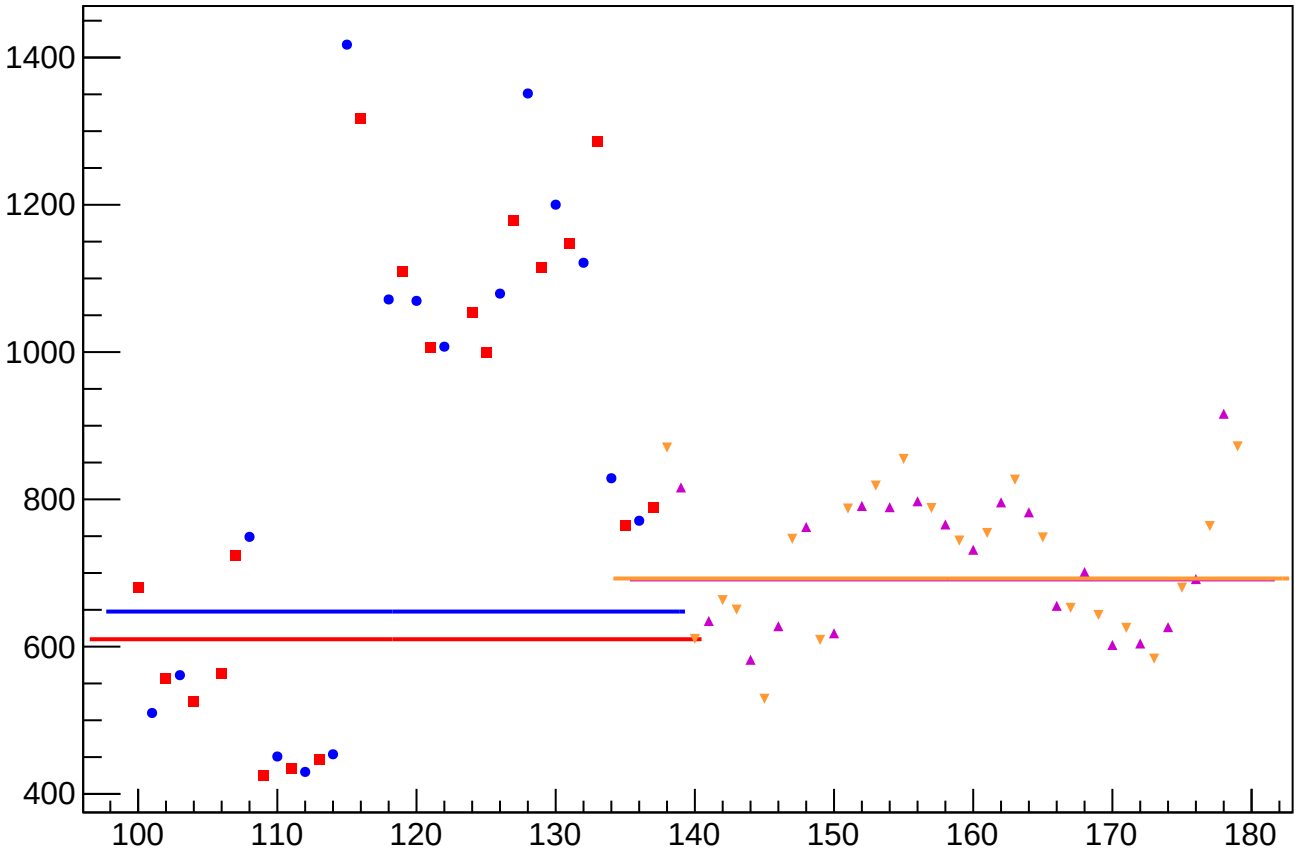
Right Out: -539.635+/-241.238 χ^2/NDF: 13.6/18

Left In: -173.216+/-172.868 χ^2/NDF:19.5/19

\+ sign -627.402+/-140.819 χ^2/NDF: 69.9/37

All: -462.112+/-99.466 χ^2/NDF: 107.3/76

\- sign -297.534+/-140.515 χ^2/NDF: 34.7/38



Right In: 647.640+/-0.183 χ^2/NDF: 1887820.6/15

Left Out: 692.535+/-0.119 χ^2/NDF:685291.1/21

Right Out: 610.060+/-0.171 χ^2/NDF: 2074251.1/18

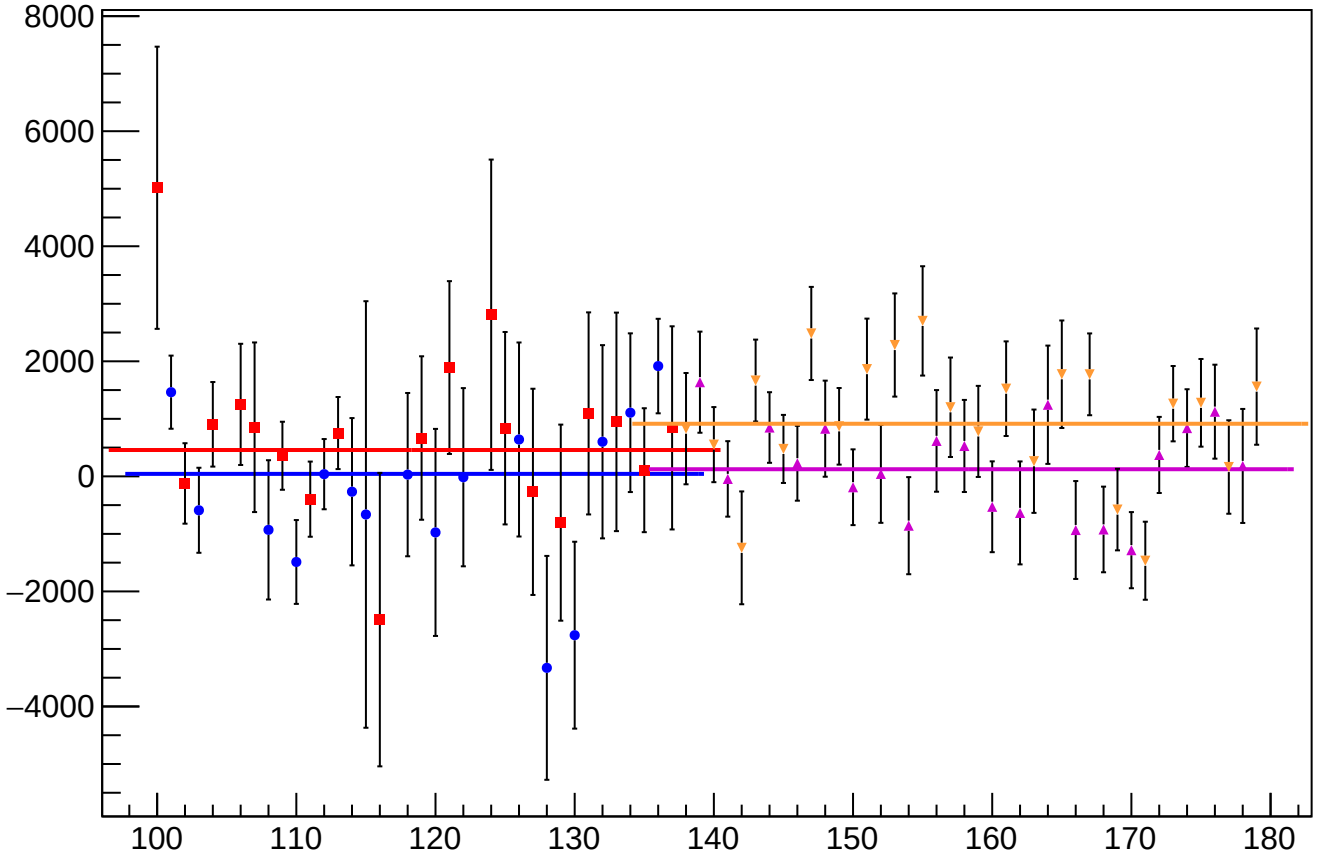
Left In: 691.287+/-0.122 χ^2/NDF:509438.5/19

+ sign 679.304+/-0.100 χ^2/NDF: 2615364.5/37

All: 671.500+/-0.070 χ^2/NDF: 5361132.0/76

- sign 663.729+/-0.099 χ^2/NDF: 2733507.1/38

asym_sam_1548_avg_mean vs Slug



Right In: 43.152+/-259.796 χ^2/NDF: 23.2/15

Left Out: 914.320+/-166.202 χ^2/NDF:39.7/21

Right Out: 458.111+/-241.118 χ^2/NDF: 11.3/18

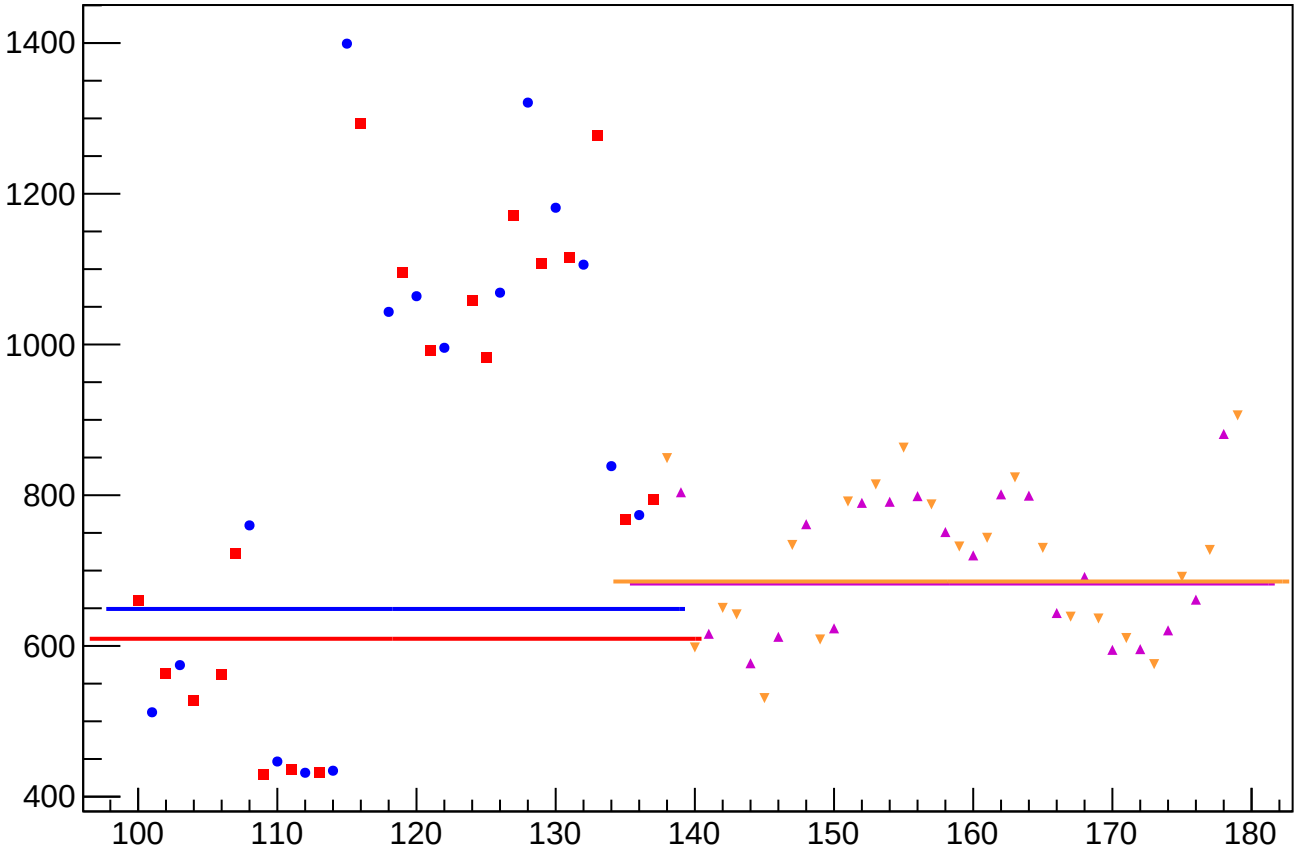
Left In: 123.942+/-170.835 χ^2/NDF:20.7/19

+ sign 661.322+/-140.004 χ^2/NDF: 70.9/37

All: 447.545+/-98.781 χ^2/NDF: 108.8/76

- sign 235.627+/-139.394 χ^2/NDF: 33.3/38

asym_sam_1548_avg_rms vs Slug



Right In: 649.091+/-0.184 χ^2/NDF: 1845815.6/15

Left Out: 685.517+/-0.118 χ^2/NDF:710327.4/21

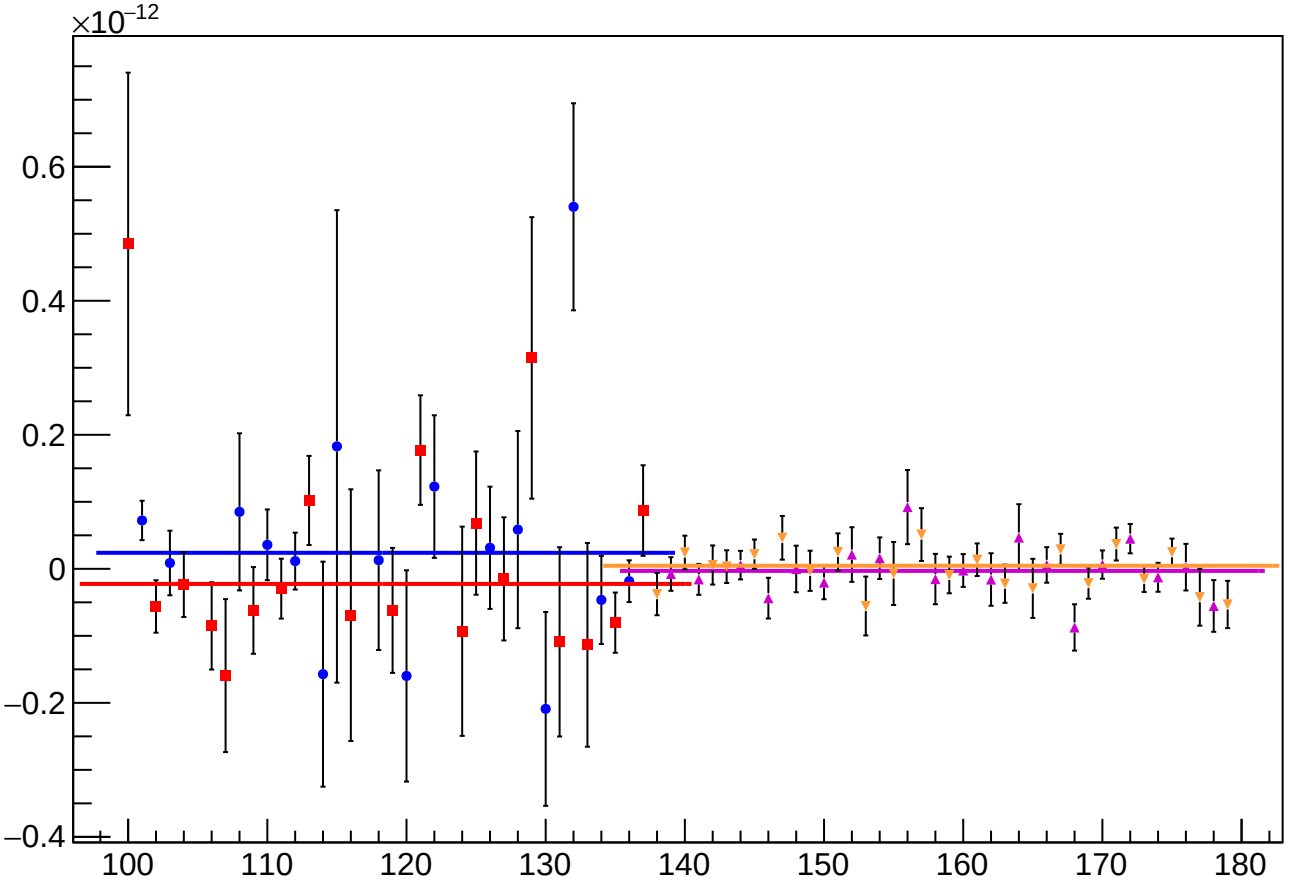
Right Out: 609.516+/-0.170 χ^2/NDF: 2043591.1/18

Left In: 682.817+/-0.121 χ^2/NDF:527640.3/19

+ sign 674.938+/-0.099 χ^2/NDF: 2584043.1/37

All: 666.592+/-0.070 χ^2/NDF: 5292489.7/76

- sign 658.319+/-0.099 χ^2/NDF: 2694293.2/38



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:20.4/21

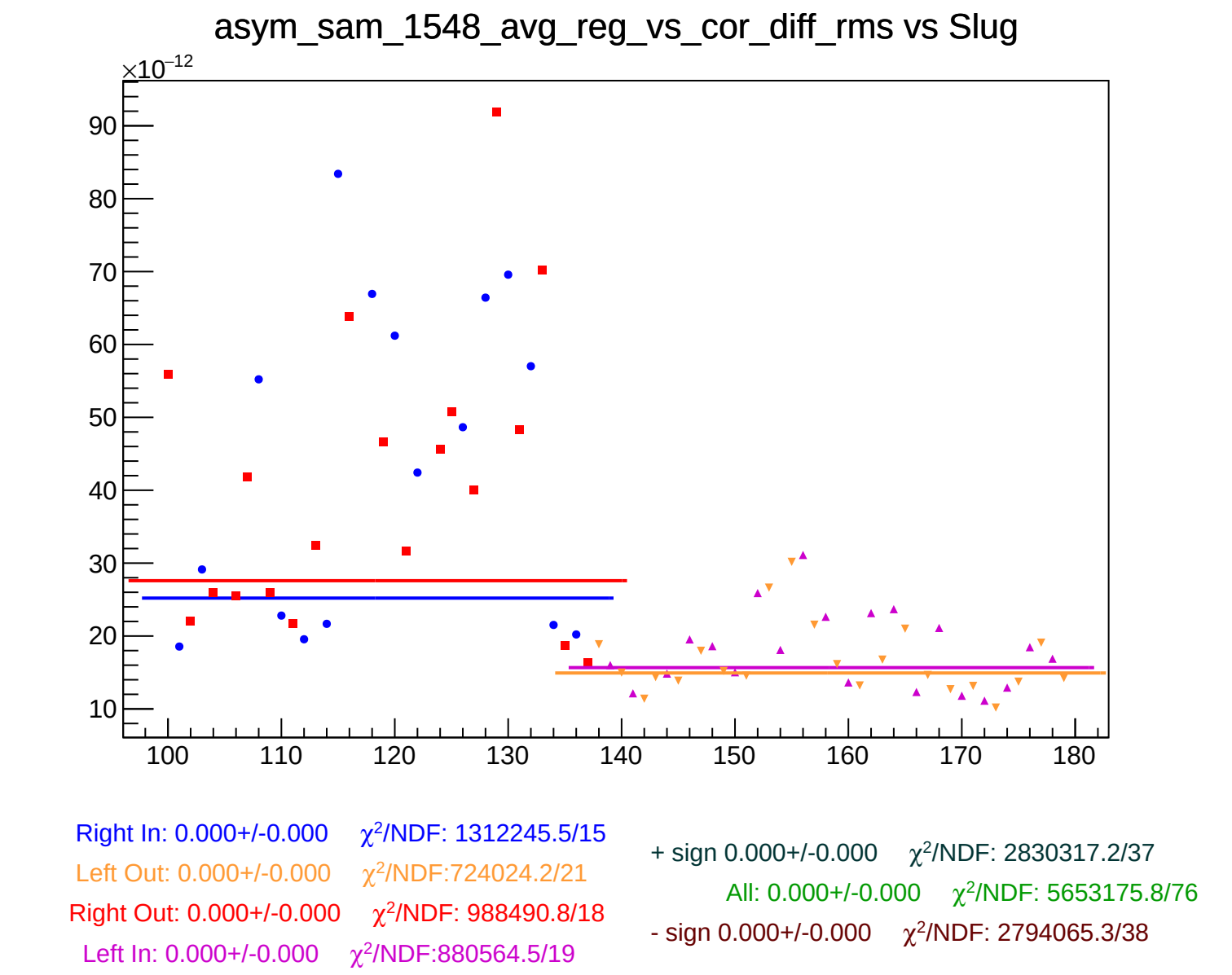
Right Out: -0.000+/-0.000 χ^2/NDF: 25.7/18

Left In: -0.000+/-0.000 χ^2/NDF:20.8/19

+ sign 0.000+/-0.000 χ^2/NDF: 45.5/37

All: 0.000+/-0.000 χ^2/NDF: 95.7/76

- sign -0.000+/-0.000 χ^2/NDF: 47.8/38


asym_sam_1548_avg_reg_vs_cor_diff_rms vs Slug
×10^−12
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170
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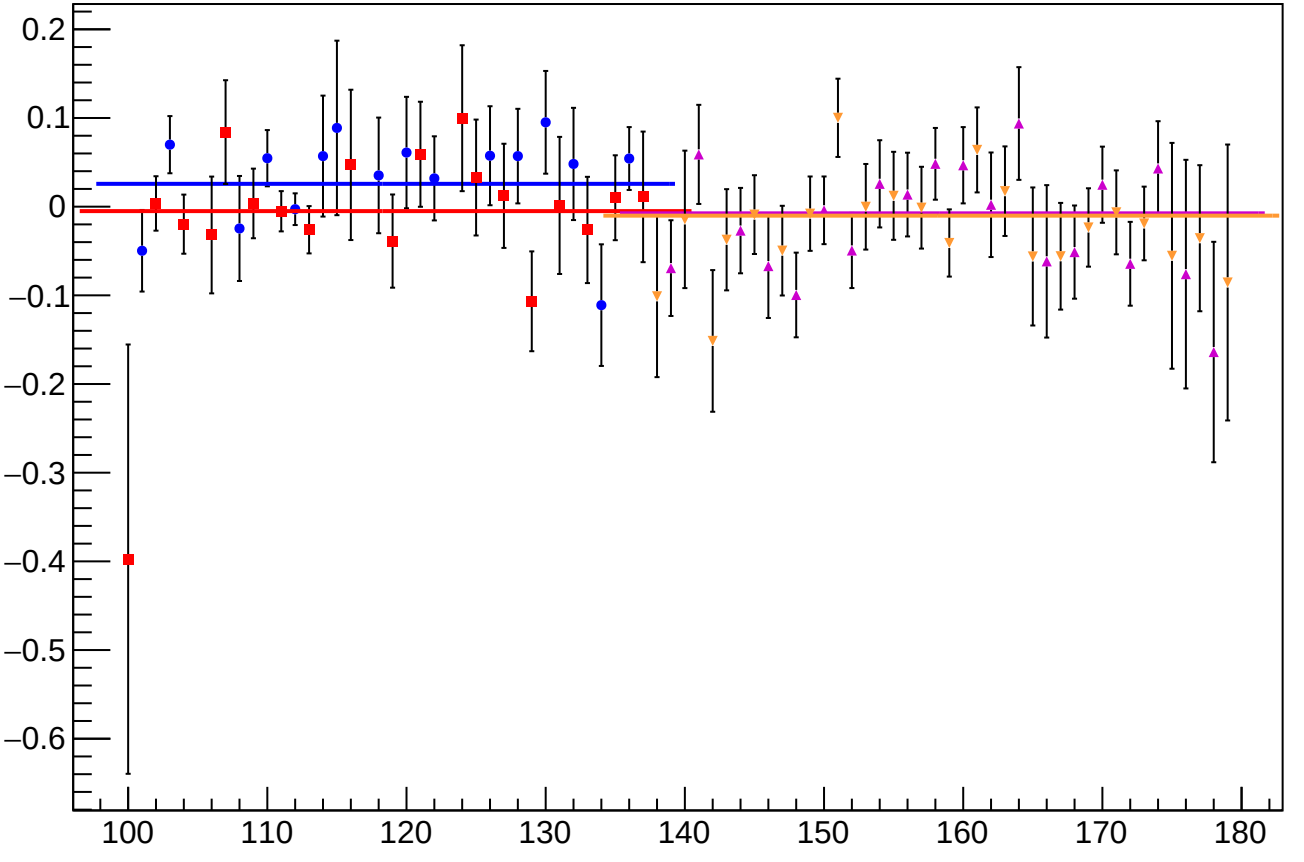
Right In: 0.000+/-0.000 χ²/NDF: 1312245.5/15
Left Out: 0.000+/-0.000 χ²/NDF:724024.2/21
Right Out: 0.000+/-0.000 χ²/NDF: 988490.8/18
Left In: 0.000+/-0.000 χ²/NDF:880564.5/19
+ sign 0.000+/-0.000 χ²/NDF: 2830317.2/37
All: 0.000+/-0.000 χ²/NDF: 5653175.8/76
- sign 0.000+/-0.000 χ²/NDF: 2794065.3/38

asym_sam_1548_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.010+/-0.011 χ^2/NDF:16.4/21

Right Out: -0.005+/-0.010 χ^2/NDF: 13.6/18

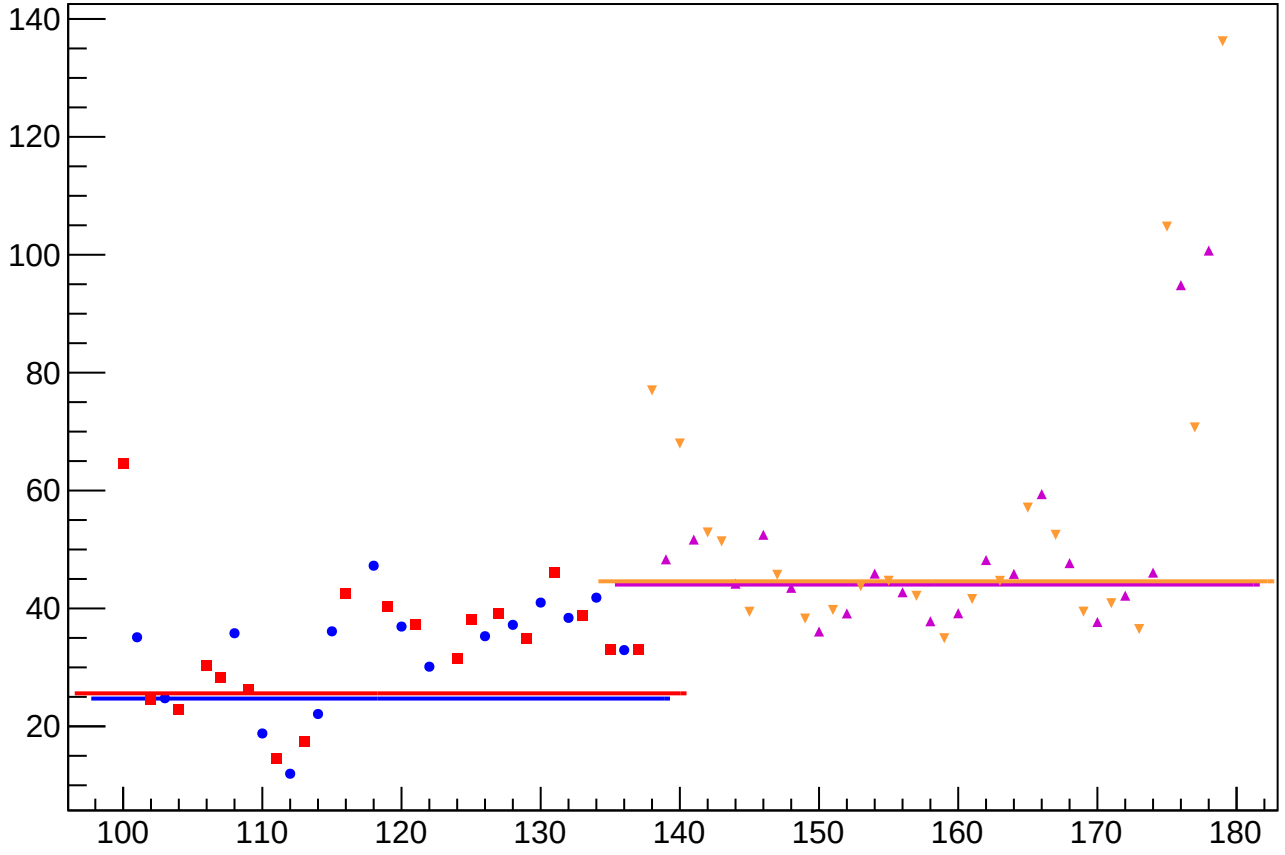
Left In: -0.008+/-0.011 χ^2/NDF:21.2/19

+ sign 0.009+/-0.008 χ^2/NDF: 38.3/37

All: 0.002+/-0.005 χ^2/NDF: 75.3/76

- sign -0.006+/-0.008 χ^2/NDF: 34.9/38

asym_sam_1548_avg_dit_vs_cor_diff_rms vs Slug



Right In: 24.712+/-0.007 χ^2/NDF: 2295174.7/15

Left Out: 44.604+/-0.008 χ^2/NDF:2268201.4/21

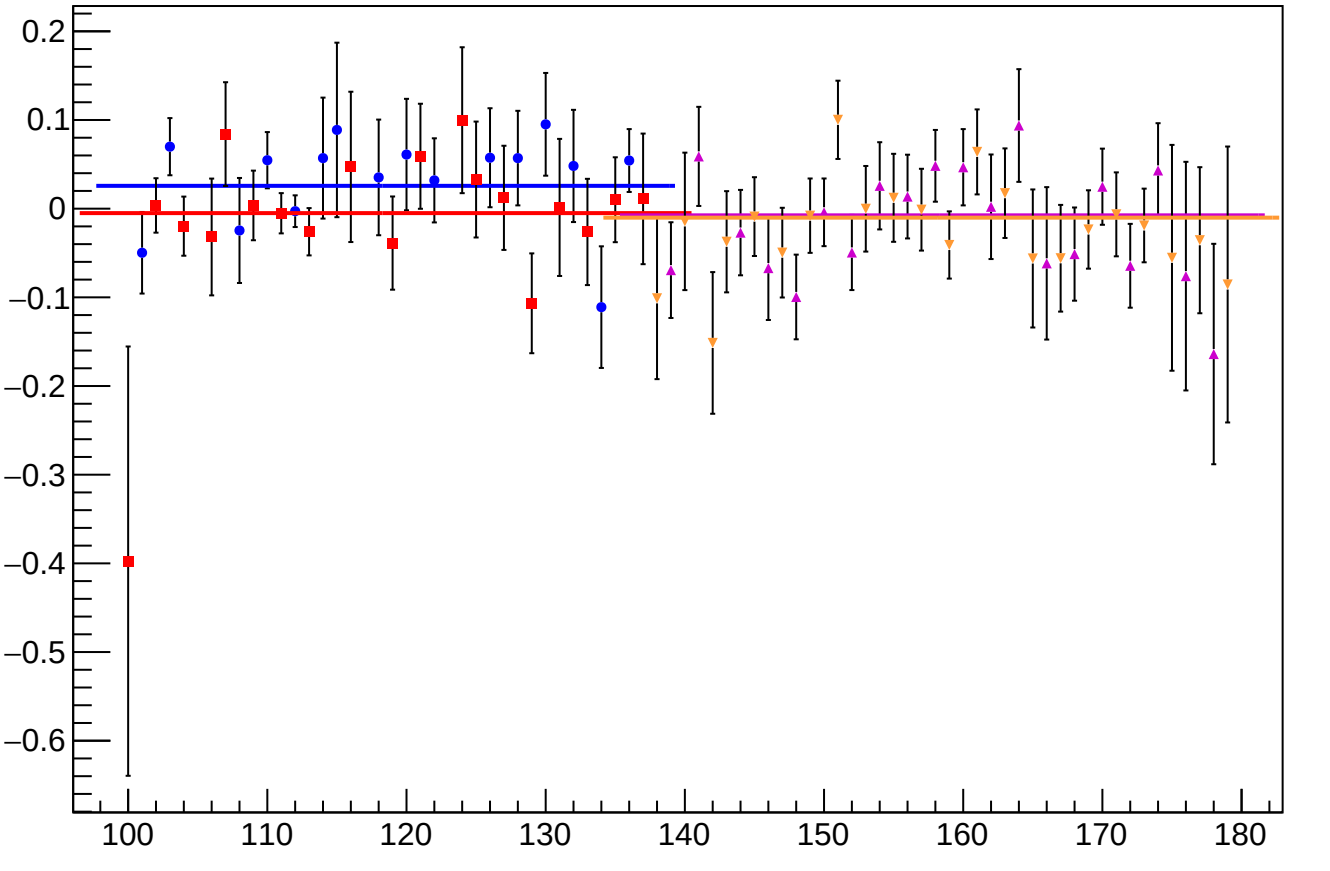
Right Out: 25.597+/-0.007 χ^2/NDF: 1605235.8/18

Left In: 44.048+/-0.008 χ^2/NDF:1143741.4/19

\+ sign 33.766+/-0.005 χ^2/NDF: 7921479.3/37

All: 33.815+/-0.004 χ^2/NDF: 13519757.1/76

\- sign 33.865+/-0.005 χ^2/NDF: 5598112.2/38



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.010+/-0.011 χ^2/NDF:16.4/21

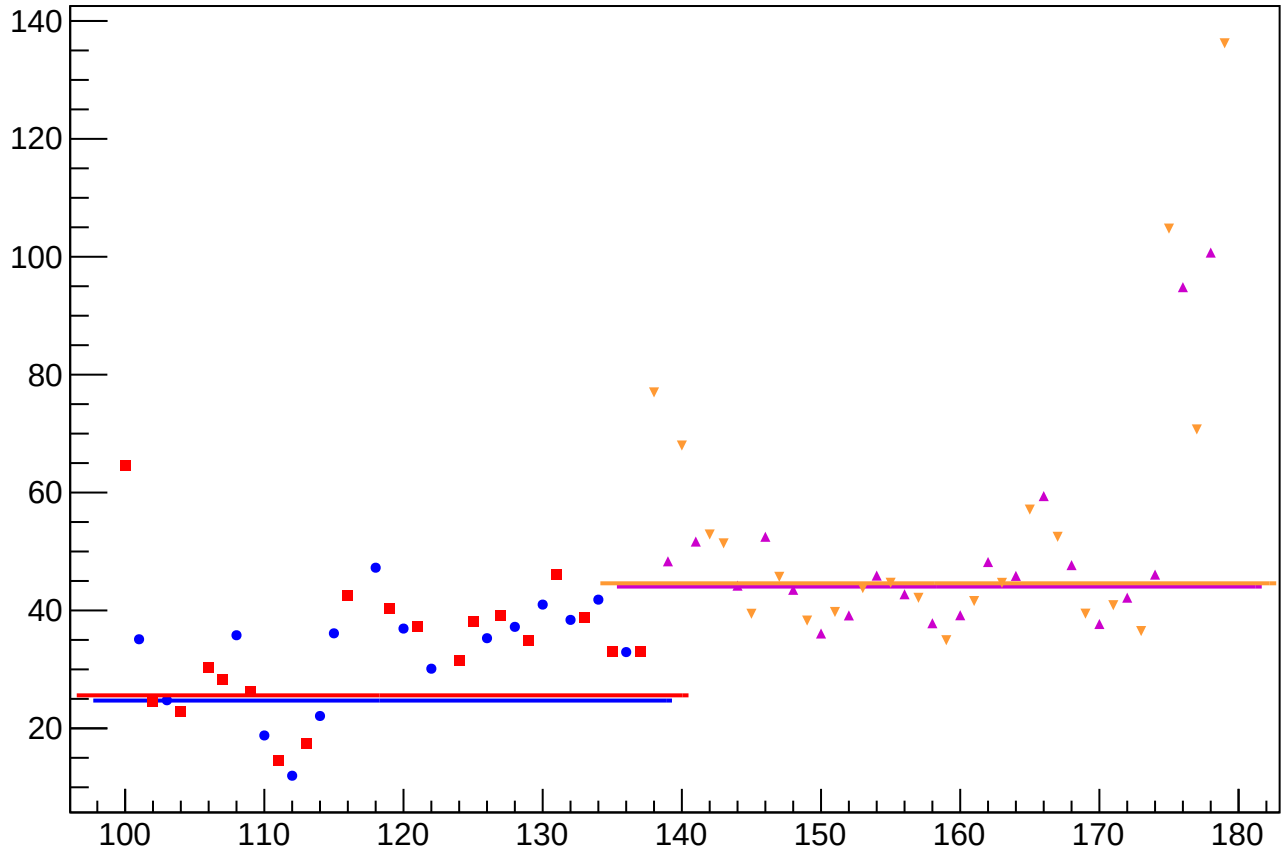
Right Out: -0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: -0.008+/-0.011 χ^2/NDF:21.2/19

+ sign 0.009+/-0.008 χ^2/NDF: 38.3/37

All: 0.002+/-0.005 χ^2/NDF: 75.3/76

- sign -0.006+/-0.008 χ^2/NDF: 34.9/38



Right In: 24.712+/-0.007 χ^2/NDF: 2295174.7/15

Left Out: 44.604+/-0.008 χ^2/NDF:2268201.4/21

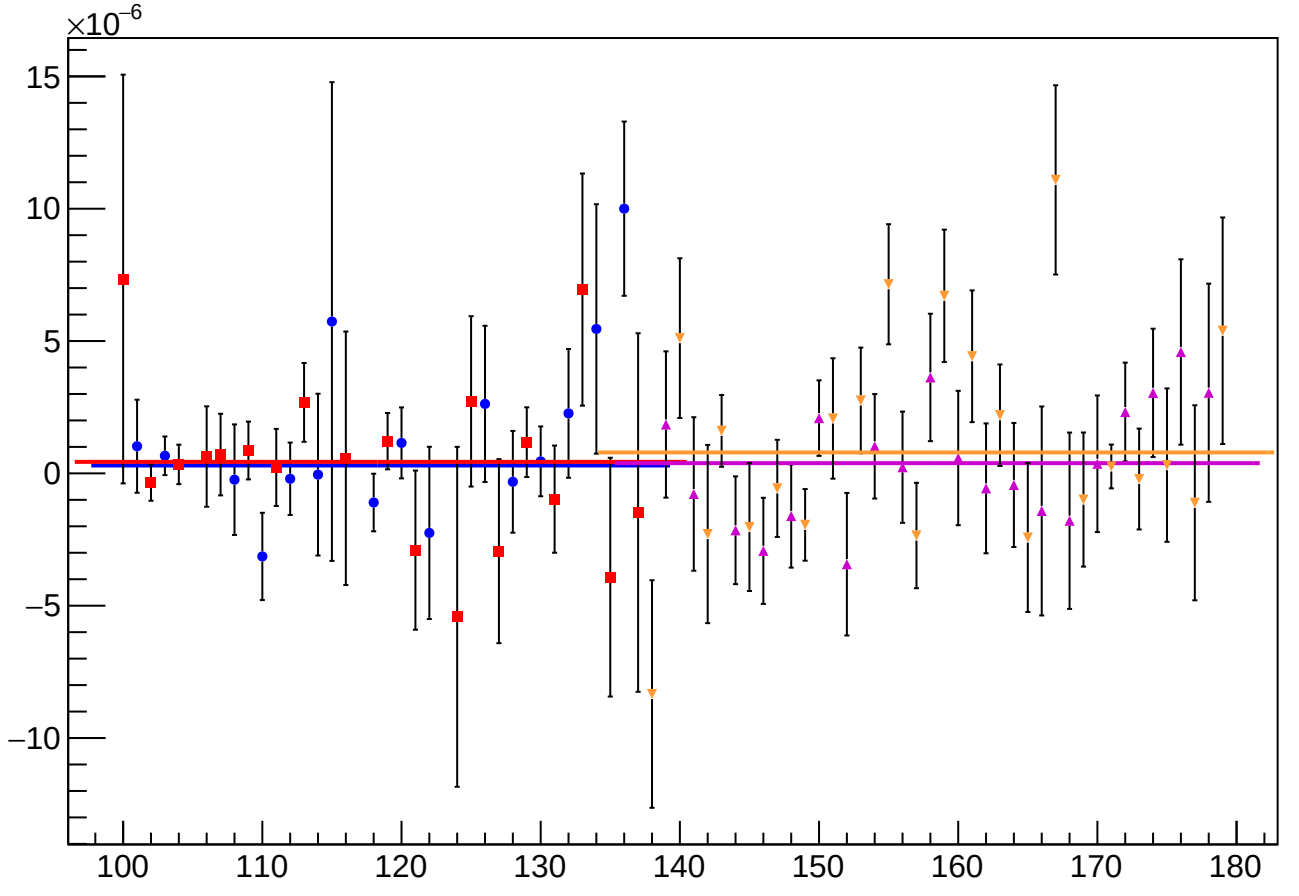
Right Out: 25.597+/-0.007 χ^2/NDF: 1605235.8/18

Left In: 44.048+/-0.008 χ^2/NDF:1143741.4/19

+ sign 33.766+/-0.005 χ^2/NDF: 7921479.3/37

All: 33.815+/-0.004 χ^2/NDF: 13519757.1/76

- sign 33.865+/-0.005 χ^2/NDF: 5598112.2/38



Right In: 0.000+/-0.000 χ^2/NDF: 19.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:45.9/21

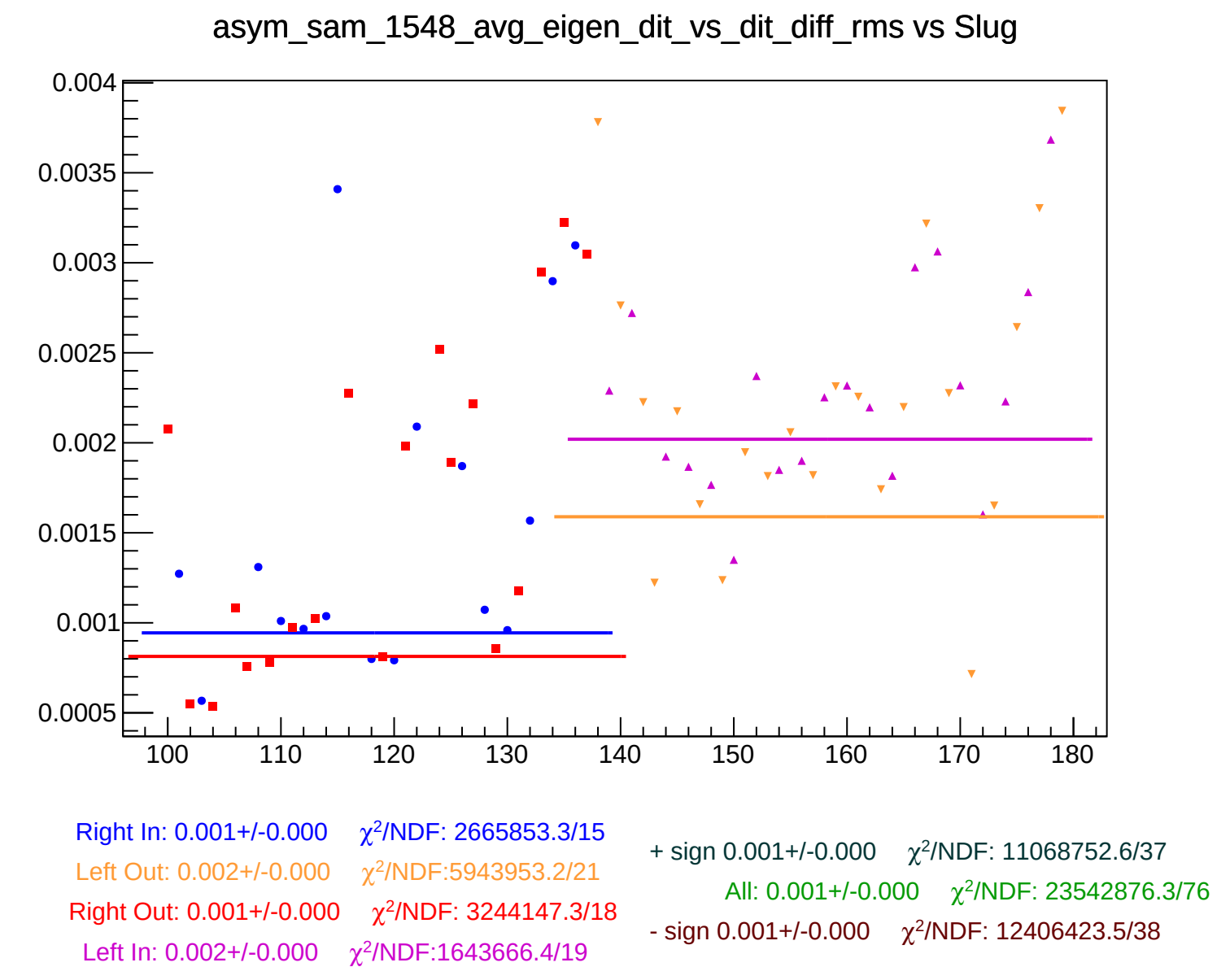
Right Out: 0.000+/-0.000 χ^2/NDF: 12.7/18

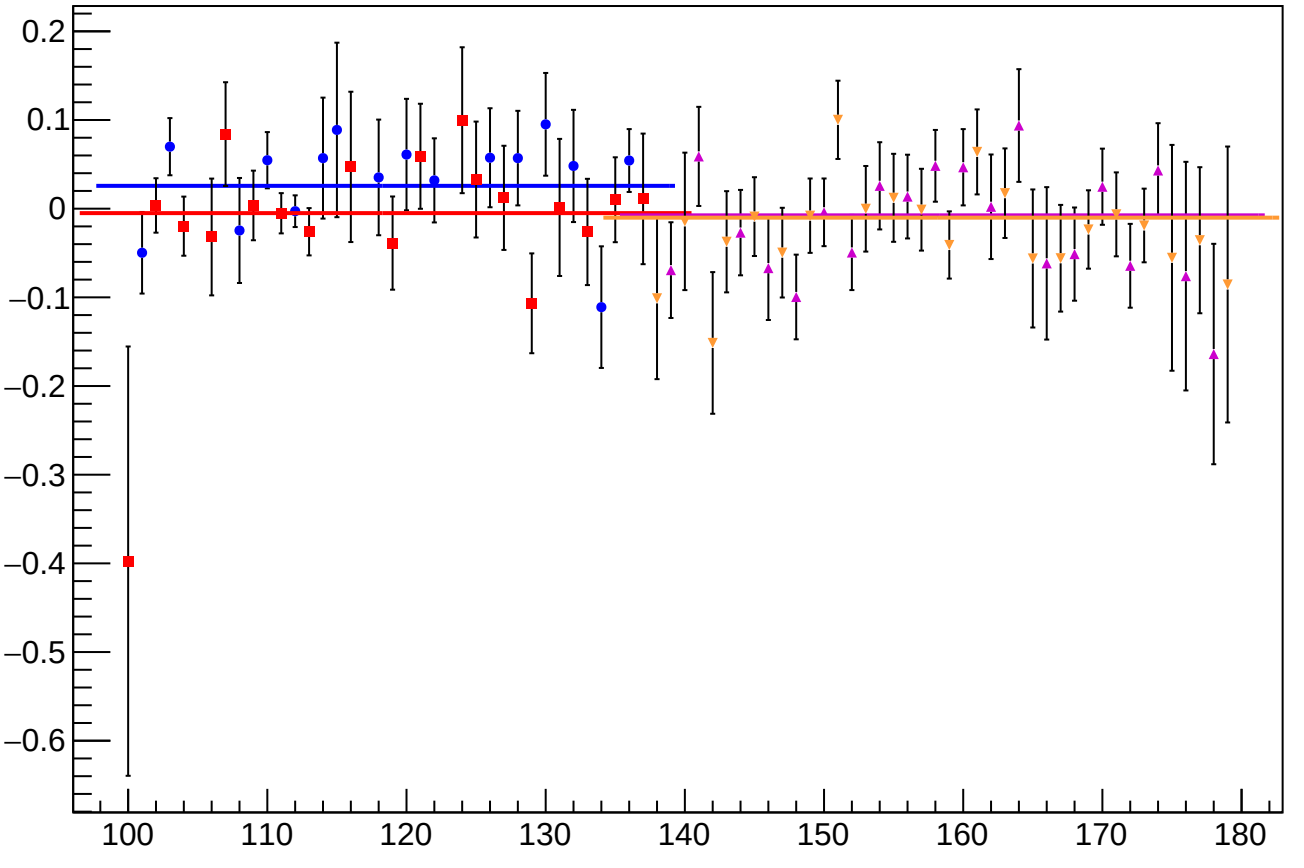
Left In: 0.000+/-0.000 χ^2/NDF:16.2/19

+ sign 0.000+/-0.000 χ^2/NDF: 65.9/37

All: 0.000+/-0.000 χ^2/NDF: 94.8/76

- sign 0.000+/-0.000 χ^2/NDF: 28.9/38


asym_sam_1548_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.004
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
150
160
170
180
Right In: 0.001+/-0.000 χ²/NDF: 2665853.3/15
Left Out: 0.002+/-0.000 χ²/NDF:5943953.2/21
Right Out: 0.001+/-0.000 χ²/NDF: 3244147.3/18
Left In: 0.002+/-0.000 χ²/NDF:1643666.4/19
+ sign 0.001+/-0.000 χ²/NDF: 11068752.6/37
All: 0.001+/-0.000 χ²/NDF: 23542876.3/76
- sign 0.001+/-0.000 χ²/NDF: 12406423.5/38



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.010+/-0.011 χ^2/NDF:16.4/21

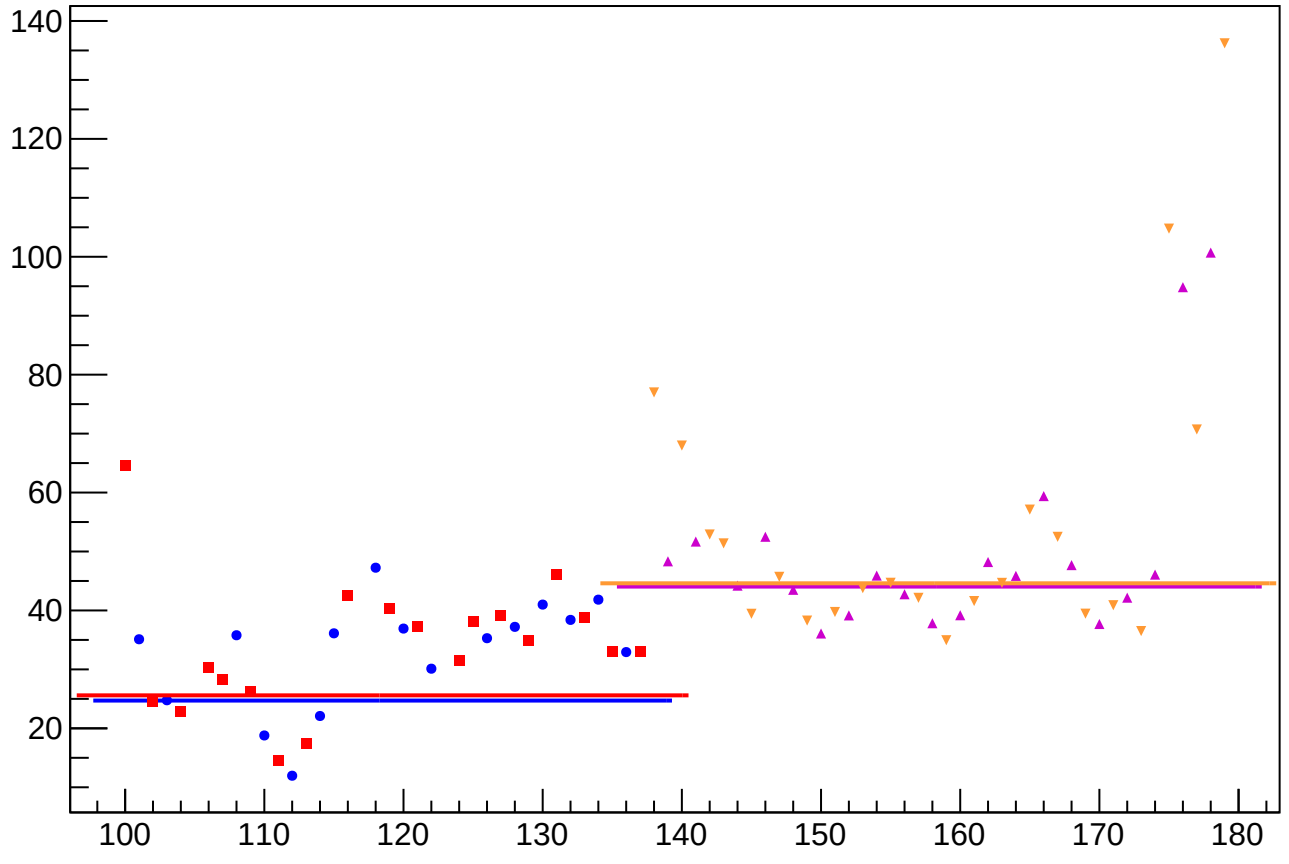
Right Out: -0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: -0.008+/-0.011 χ^2/NDF:21.2/19

+ sign 0.009+/-0.008 χ^2/NDF: 38.3/37

All: 0.002+/-0.005 χ^2/NDF: 75.3/76

- sign -0.006+/-0.008 χ^2/NDF: 34.9/38



Right In: 24.712+/-0.007 χ^2/NDF: 2295351.2/15

Left Out: 44.604+/-0.008 χ^2/NDF:2268146.0/21

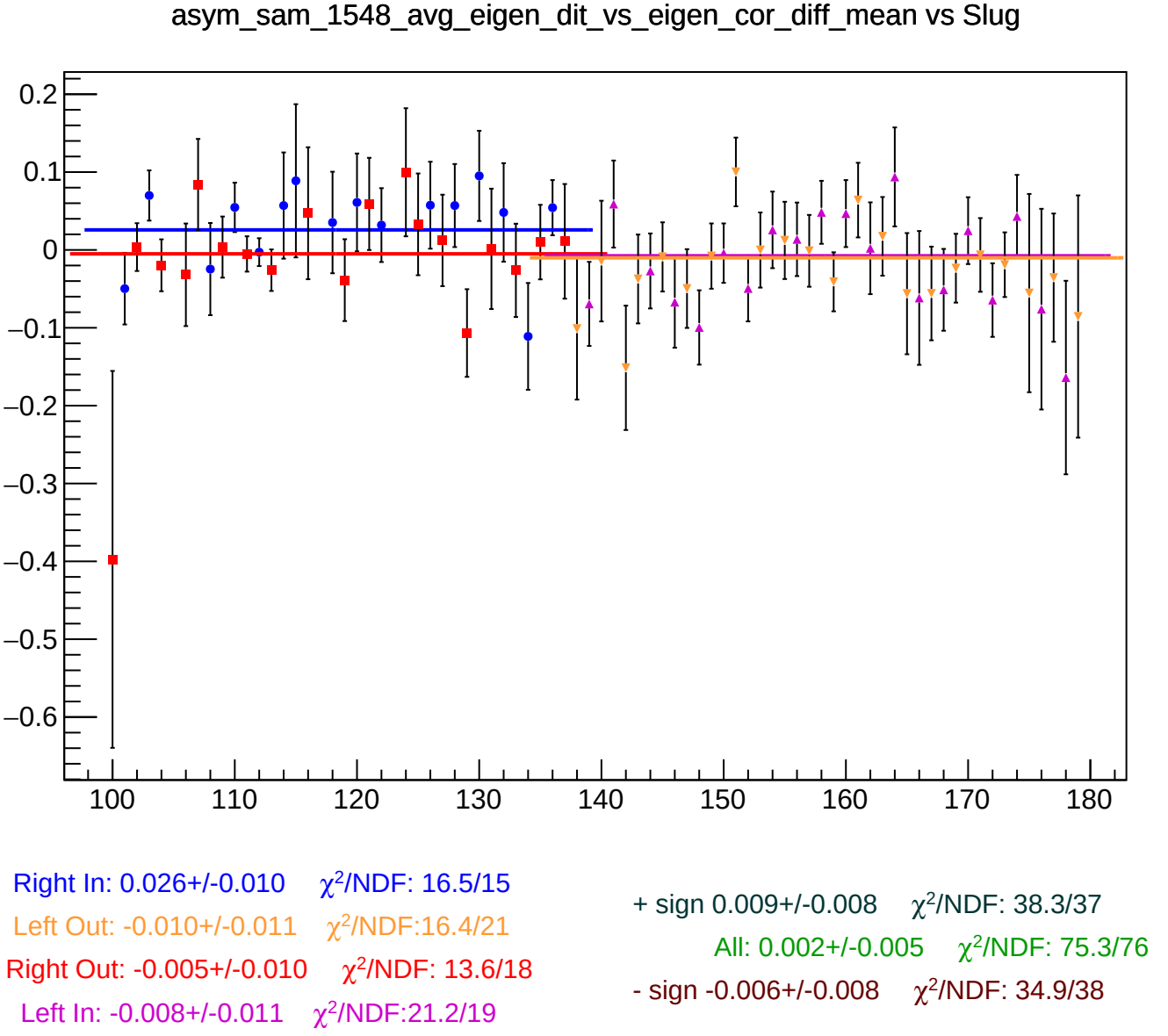
Right Out: 25.597+/-0.007 χ^2/NDF: 1605387.3/18

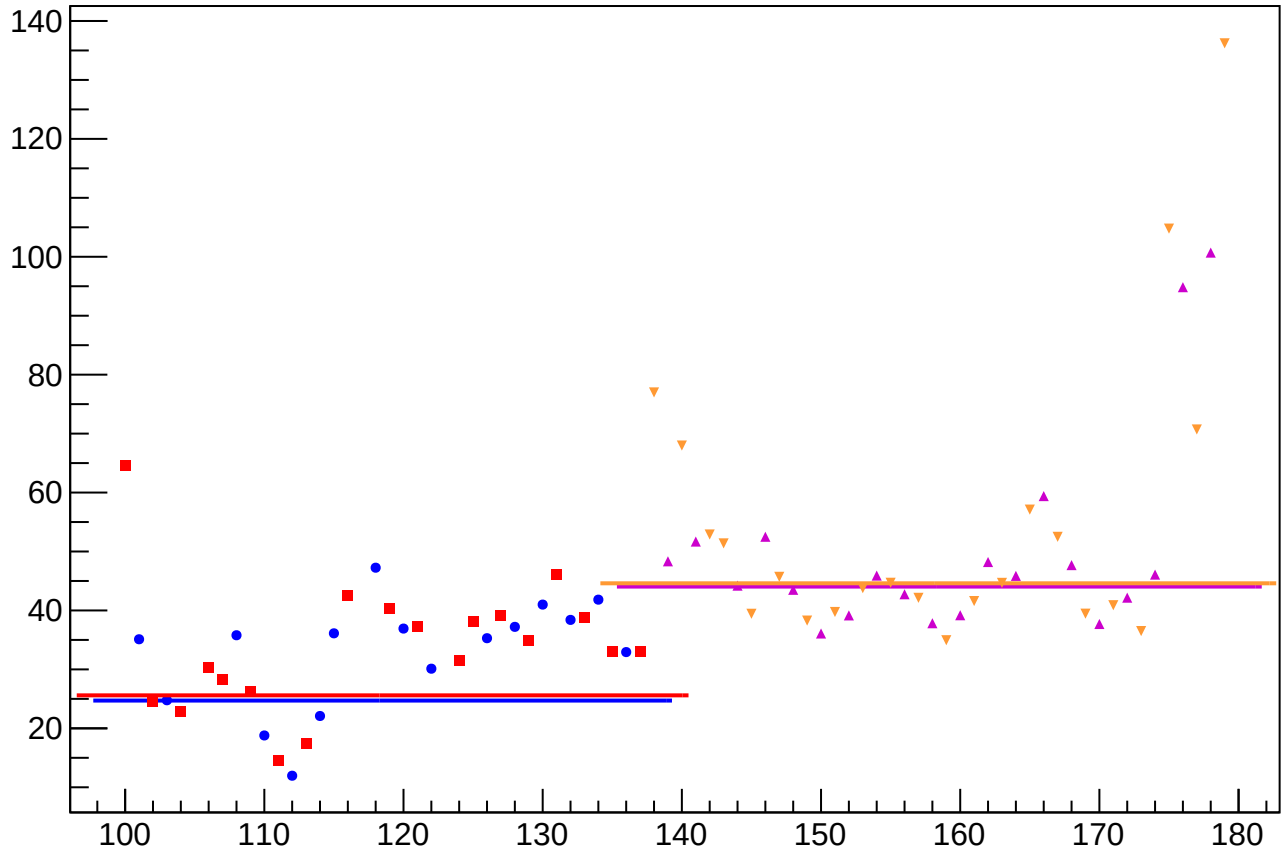
Left In: 44.049+/-0.008 χ^2/NDF:1143678.4/19

+ sign 33.766+/-0.005 χ^2/NDF: 7921934.3/37

All: 33.815+/-0.004 χ^2/NDF: 13520556.7/76

- sign 33.865+/-0.005 χ^2/NDF: 5598456.2/38


asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5
−0.6
100
110
120
130
140
150
160
170
180
Right In: 0.026+/-0.010 χ²/NDF: 16.5/15
Left Out: -0.010+/-0.011 χ²/NDF:16.4/21
Right Out: -0.005+/-0.010 χ²/NDF: 13.6/18
Left In: -0.008+/-0.011 χ²/NDF:21.2/19
+ sign 0.009+/-0.008 χ²/NDF: 38.3/37
All: 0.002+/-0.005 χ²/NDF: 75.3/76
- sign -0.006+/-0.008 χ²/NDF: 34.9/38



Right In: 24.712+/-0.007 χ^2/NDF: 2295351.2/15

Left Out: 44.604+/-0.008 χ^2/NDF:2268146.0/21

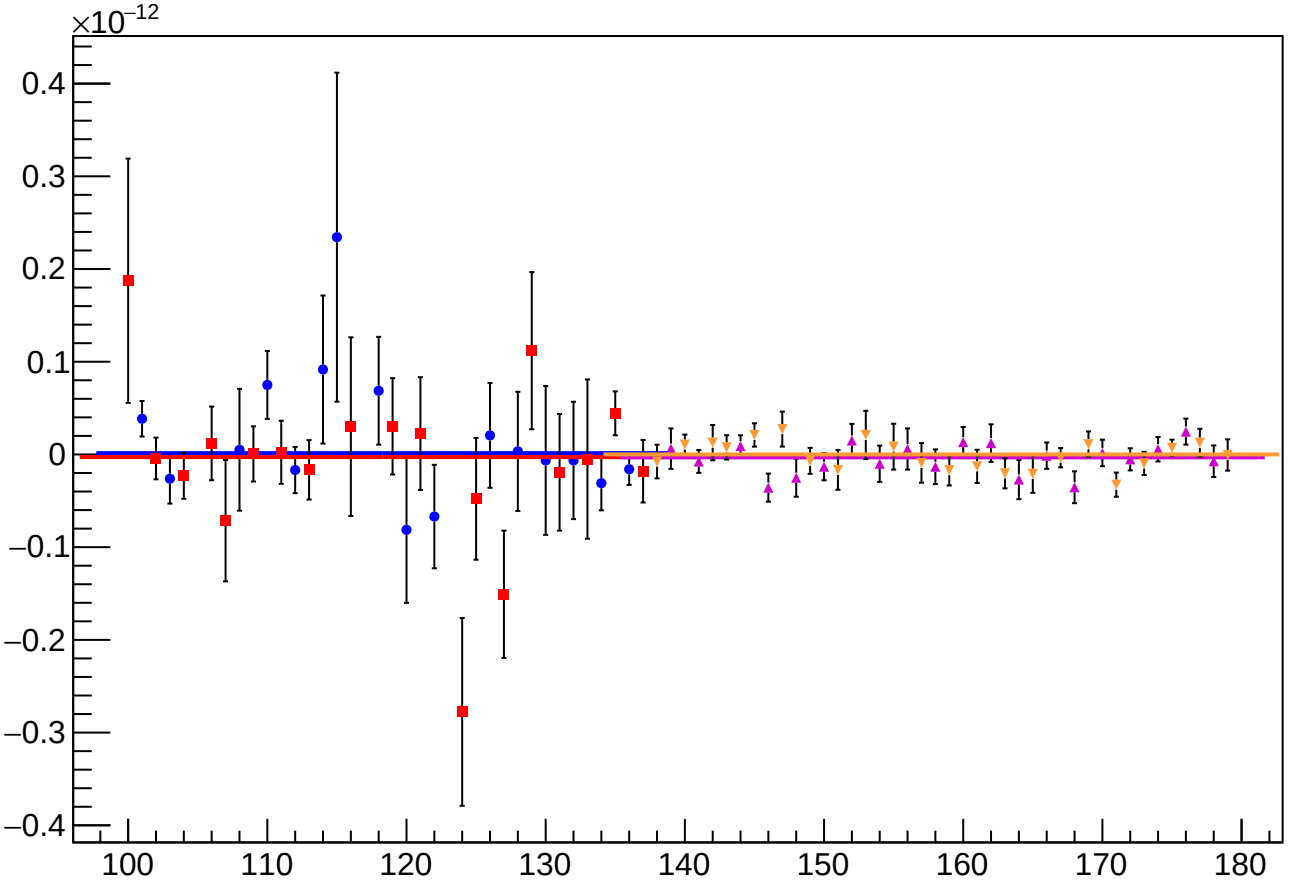
Right Out: 25.597+/-0.007 χ^2/NDF: 1605387.3/18

Left In: 44.049+/-0.008 χ^2/NDF:1143678.4/19

+ sign 33.766+/-0.005 χ^2/NDF: 7921934.3/37

All: 33.815+/-0.004 χ^2/NDF: 13520556.7/76

- sign 33.865+/-0.005 χ^2/NDF: 5598456.2/38



Right In: 0.000+/-0.000 χ^2/NDF: 18.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:21.8/21

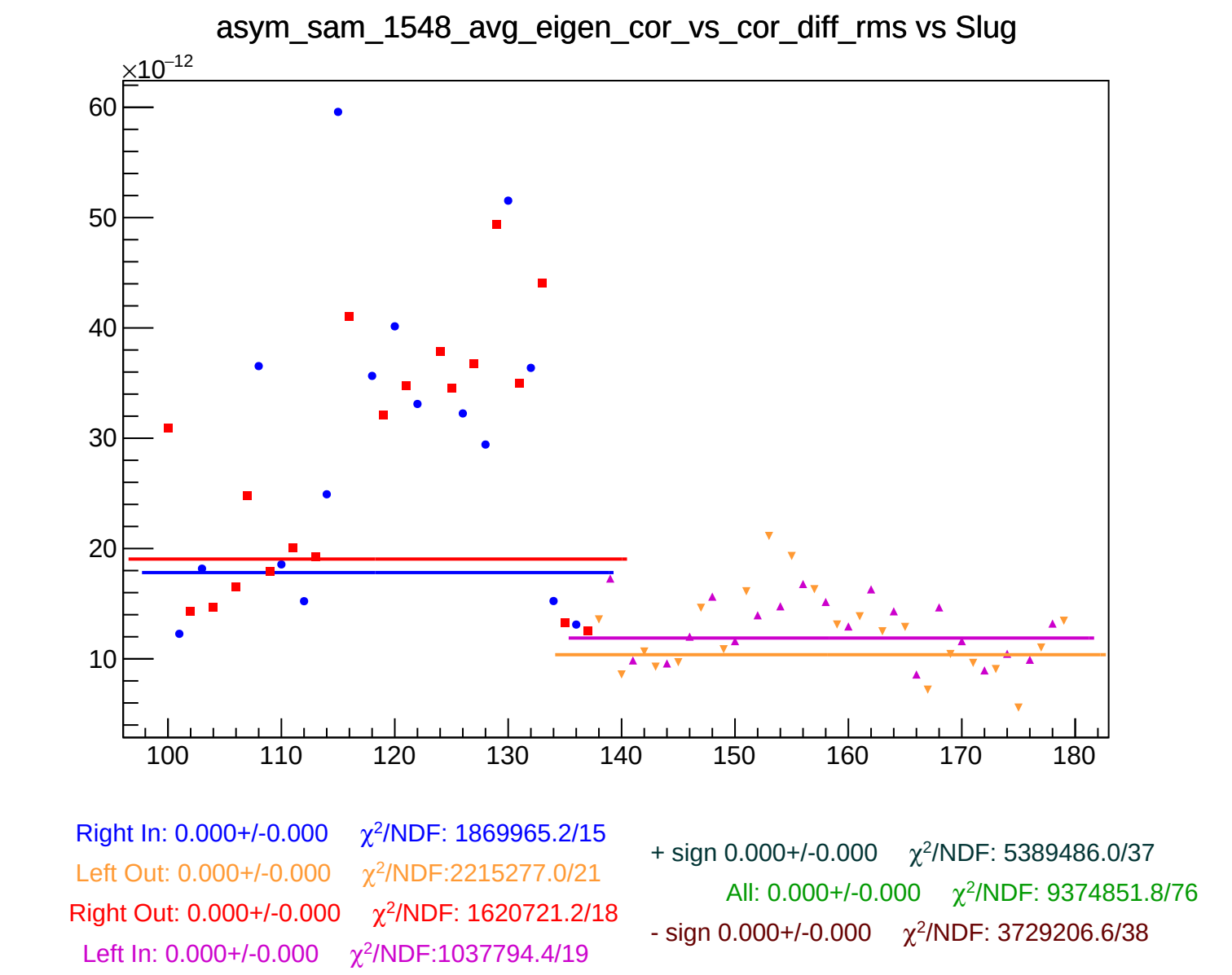
Right Out: -0.000+/-0.000 χ^2/NDF: 23.5/18

Left In: -0.000+/-0.000 χ^2/NDF:20.3/19

+ sign 0.000+/-0.000 χ^2/NDF: 40.5/37

All: -0.000+/-0.000 χ^2/NDF: 84.8/76

- sign -0.000+/-0.000 χ^2/NDF: 43.8/38


asym_sam_1548_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
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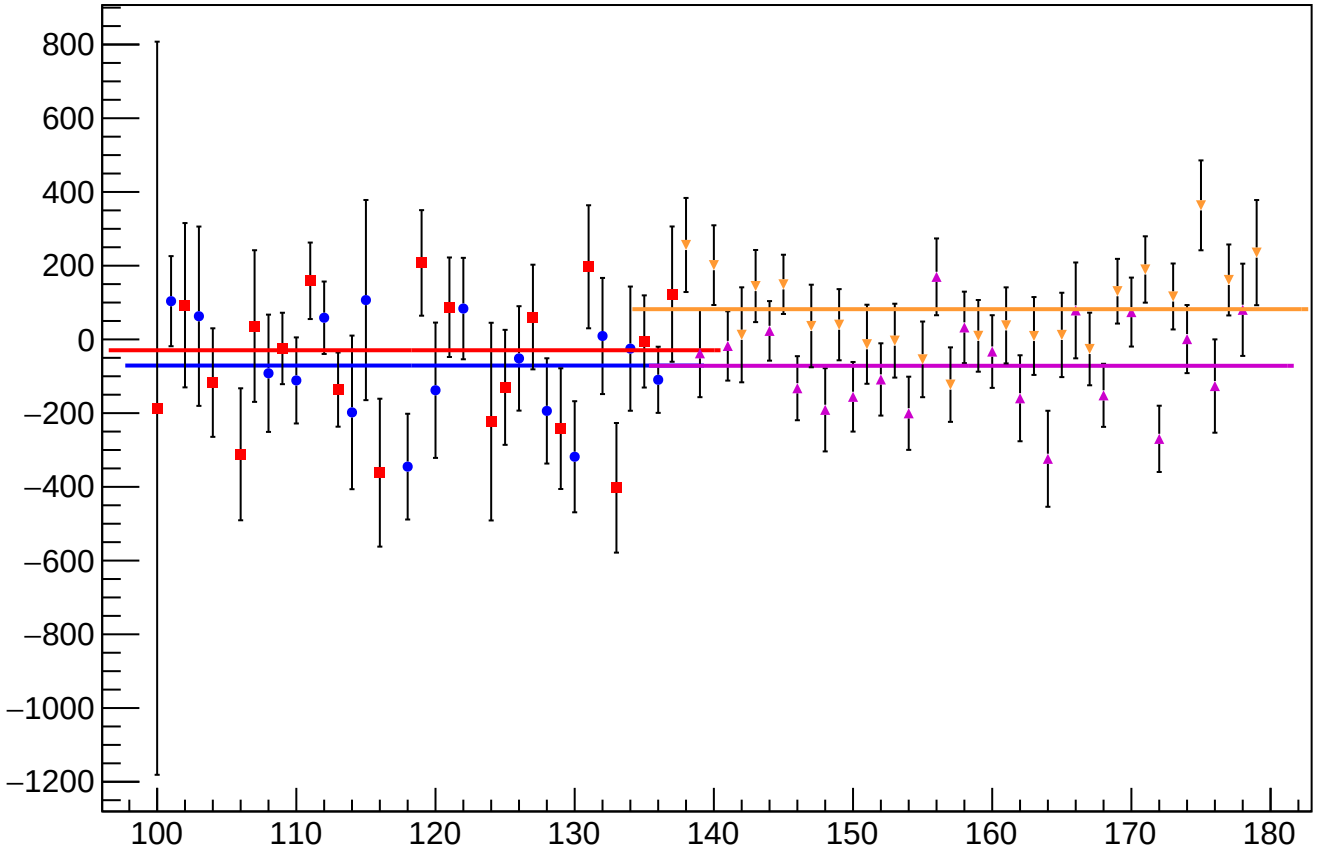
180
Right In: 0.000+/-0.000 χ²/NDF: 1869965.2/15
Left Out: 0.000+/-0.000 χ²/NDF:2215277.0/21
Right Out: 0.000+/-0.000 χ²/NDF: 1620721.2/18
Left In: 0.000+/-0.000 χ²/NDF:1037794.4/19
+ sign 0.000+/-0.000 χ²/NDF: 5389486.0/37
All: 0.000+/-0.000 χ²/NDF: 9374851.8/76
- sign 0.000+/-0.000 χ²/NDF: 3729206.6/38

reg_asym_sam_3748_avg_mean vs Slug



Right In: -70.892+/-35.122 χ^2/NDF: 14.1/15

Left Out: 82.022+/-21.798 χ^2/NDF:24.1/21

Right Out: -29.410+/-34.243 χ^2/NDF: 24.0/18

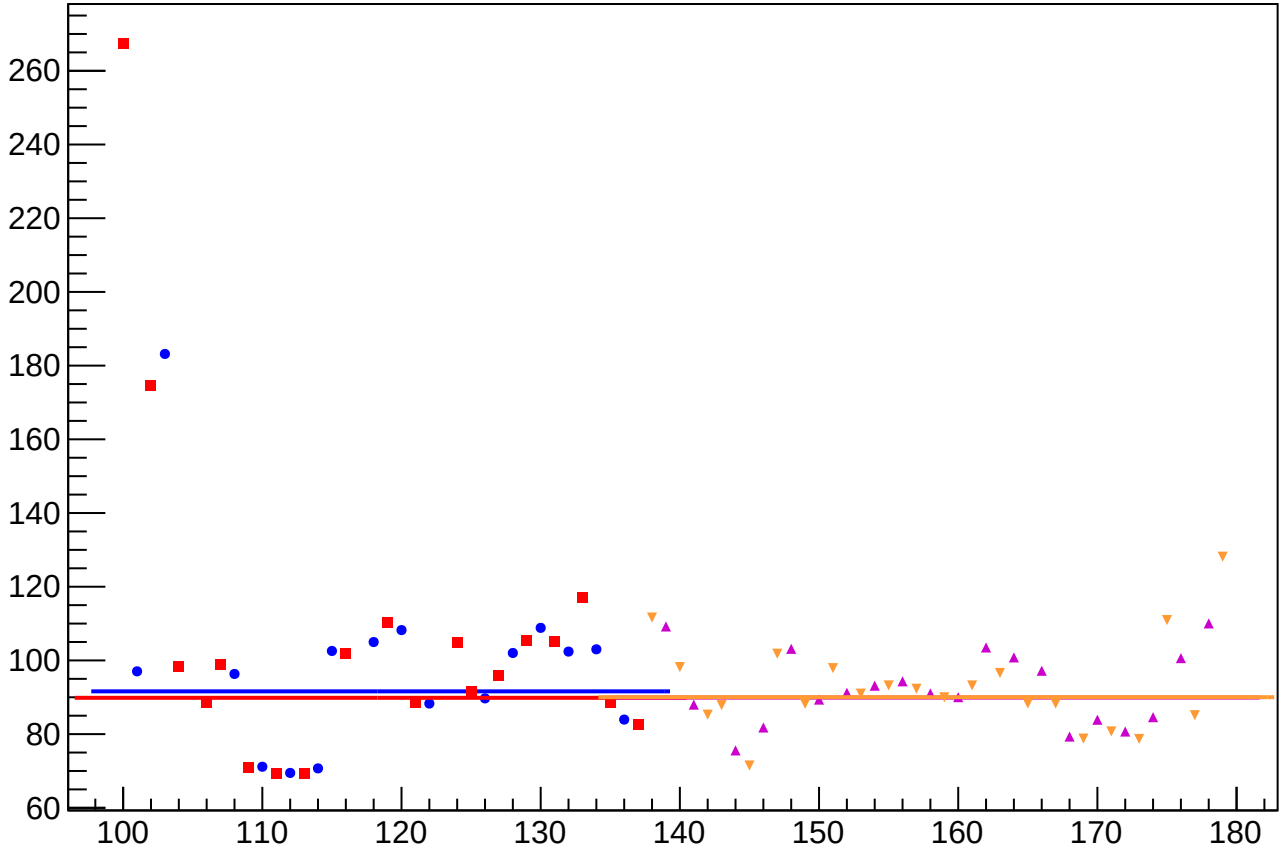
Left In: -71.570+/-22.493 χ^2/NDF:28.8/19

+ sign 39.499+/-18.521 χ^2/NDF: 51.8/37

All: -8.946+/-13.194 χ^2/NDF: 119.6/76

- sign -58.862+/-18.800 χ^2/NDF: 53.9/38

reg_asym_sam_3748_avg_rms vs Slug



Right In: 91.608+/-0.025 χ^2/NDF: 580672.8/15

Left Out: 90.023+/-0.015 χ^2/NDF:519634.2/21

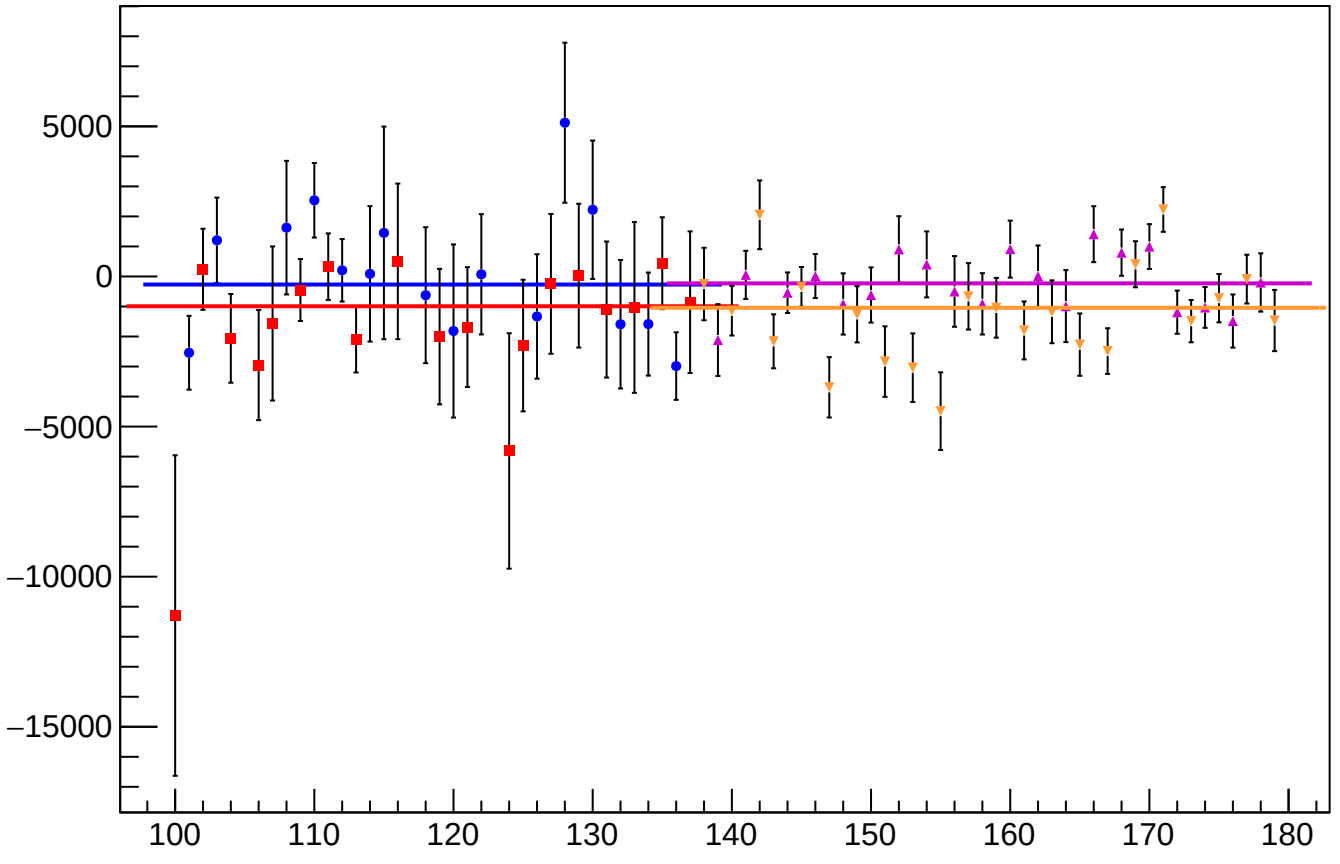
Right Out: 89.854+/-0.024 χ^2/NDF: 746289.1/18

Left In: 89.912+/-0.016 χ^2/NDF:347735.8/19

+ sign 90.463+/-0.013 χ^2/NDF: 1103248.9/37

All: 90.183+/-0.009 χ^2/NDF: 2198206.8/76

- sign 89.895+/-0.013 χ^2/NDF: 1094028.8/38



Right In: -268.485+/-419.578 χ^2/NDF: 23.4/15

Left Out: -1042.864+/-193.605 χ^2/NDF:60.7/21

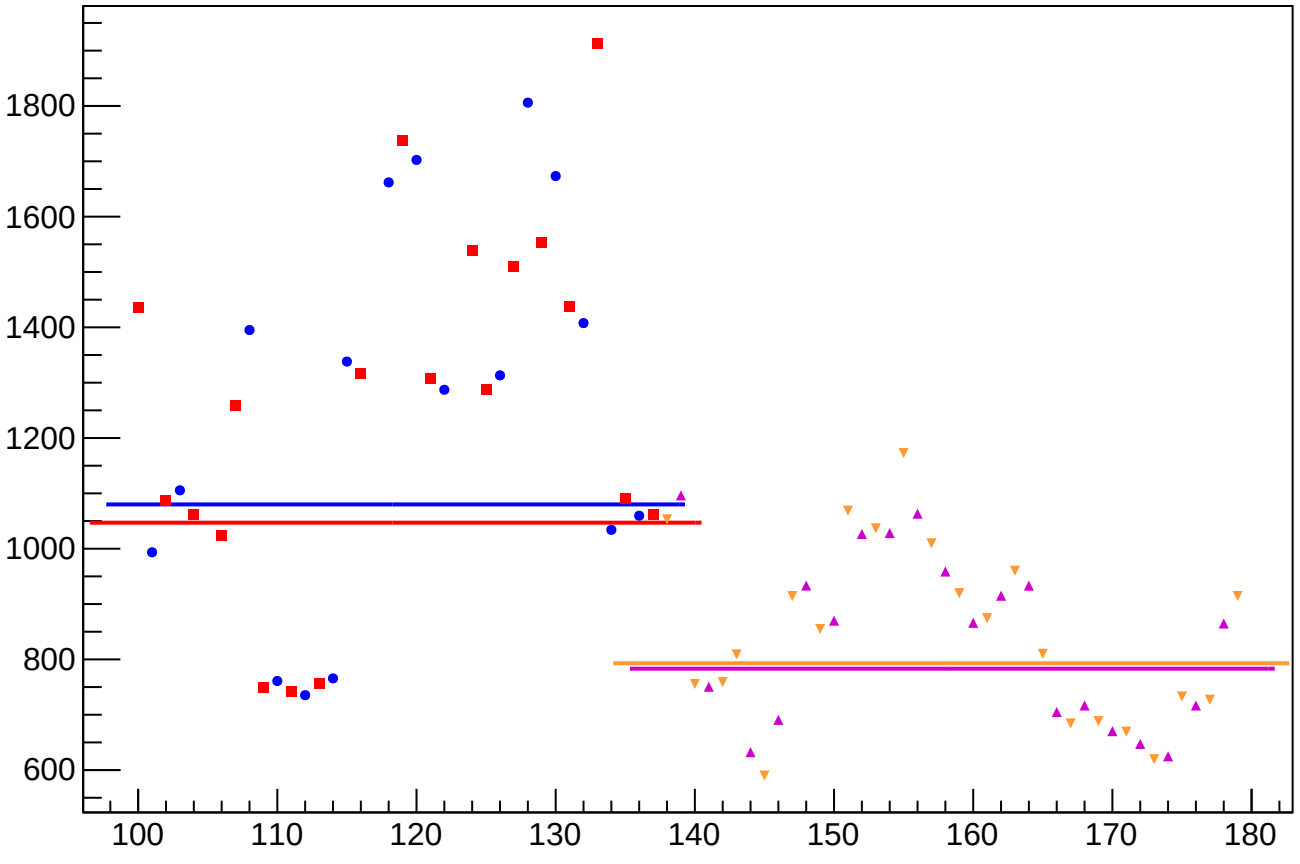
Right Out: -992.670+/-400.824 χ^2/NDF: 12.7/18

Left In: -229.880+/-197.622 χ^2/NDF:20.1/19

+ sign -906.930+/-175.792 χ^2/NDF: 86.9/37

All: -645.165+/-124.816 χ^2/NDF: 127.1/76

- sign -379.044+/-177.249 χ^2/NDF: 35.7/38



Right In: 1080.045+/-0.297 χ^2/NDF: 1053468.5/15

Left Out: 793.113+/-0.137 χ^2/NDF:1181758.3/21

Right Out: 1047.068+/-0.283 χ^2/NDF: 1198646.2/18

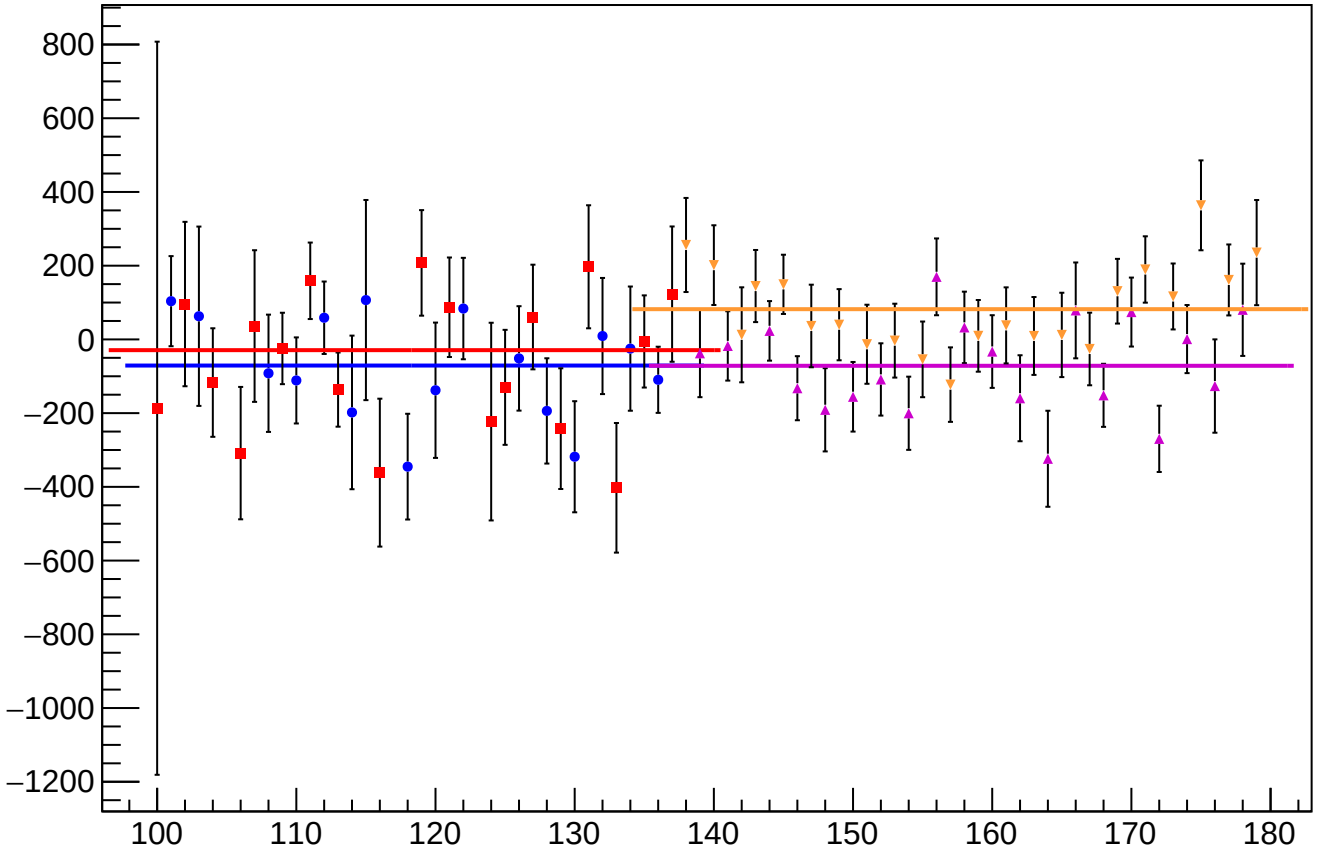
Left In: 783.206+/-0.140 χ^2/NDF:1061732.9/19

\+ sign 843.481+/-0.124 χ^2/NDF: 3006364.0/37

All: 839.179+/-0.088 χ^2/NDF: 5966384.7/76

\- sign 834.804+/-0.125 χ^2/NDF: 2957604.5/38

cor_asym_sam_3748_avg_mean vs Slug



Right In: -70.903+/-35.122 χ^2/NDF: 14.1/15

Left Out: 82.028+/-21.798 χ^2/NDF:24.1/21

Right Out: -29.159+/-34.247 χ^2/NDF: 24.0/18

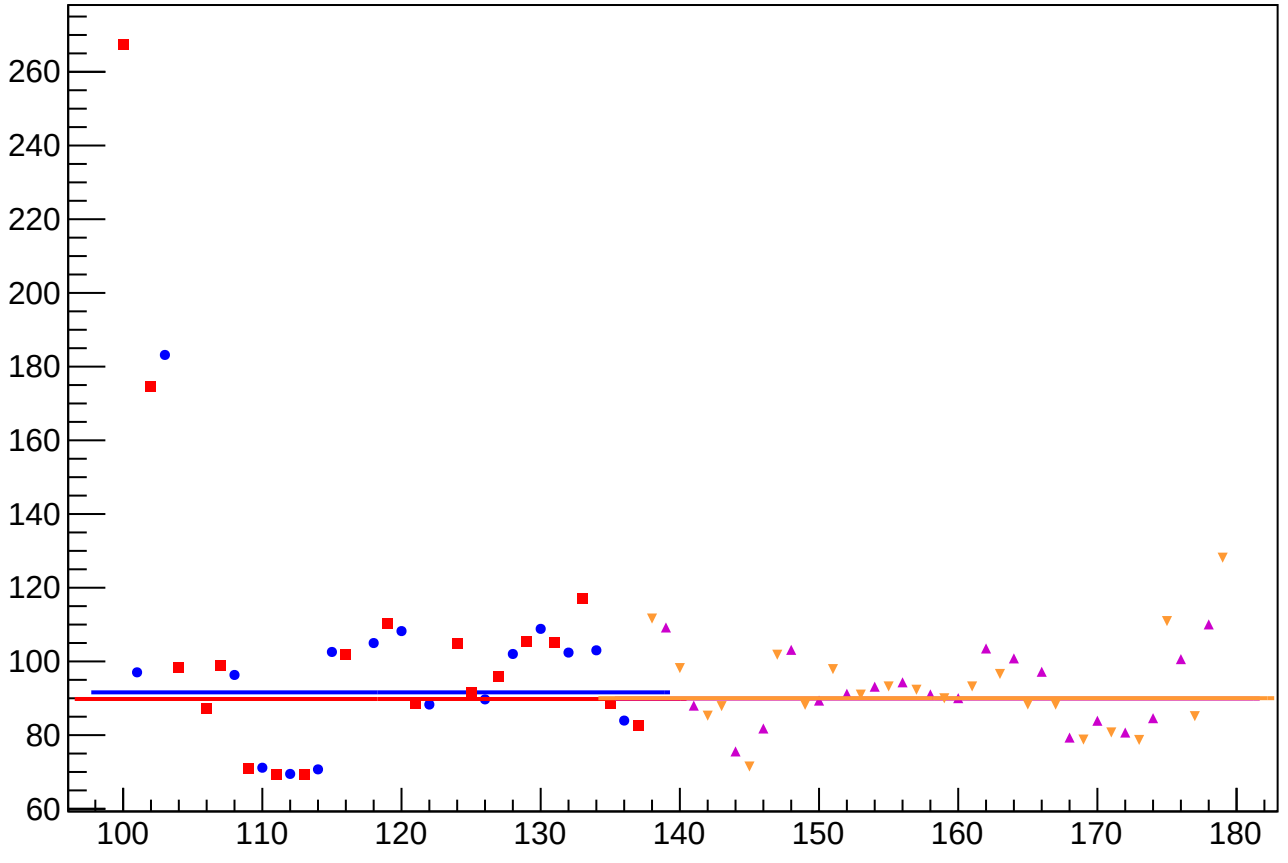
Left In: -71.571+/-22.493 χ^2/NDF:28.8/19

+ sign 39.500+/-18.521 χ^2/NDF: 51.8/37

All: -8.908+/-13.194 χ^2/NDF: 119.5/76

- sign -58.789+/-18.801 χ^2/NDF: 53.8/38

cor_asym_sam_3748_avg_rms vs Slug



Right In: 91.608+/-0.025 χ^2/NDF: 580675.9/15

Left Out: 90.023+/-0.015 χ^2/NDF:519634.2/21

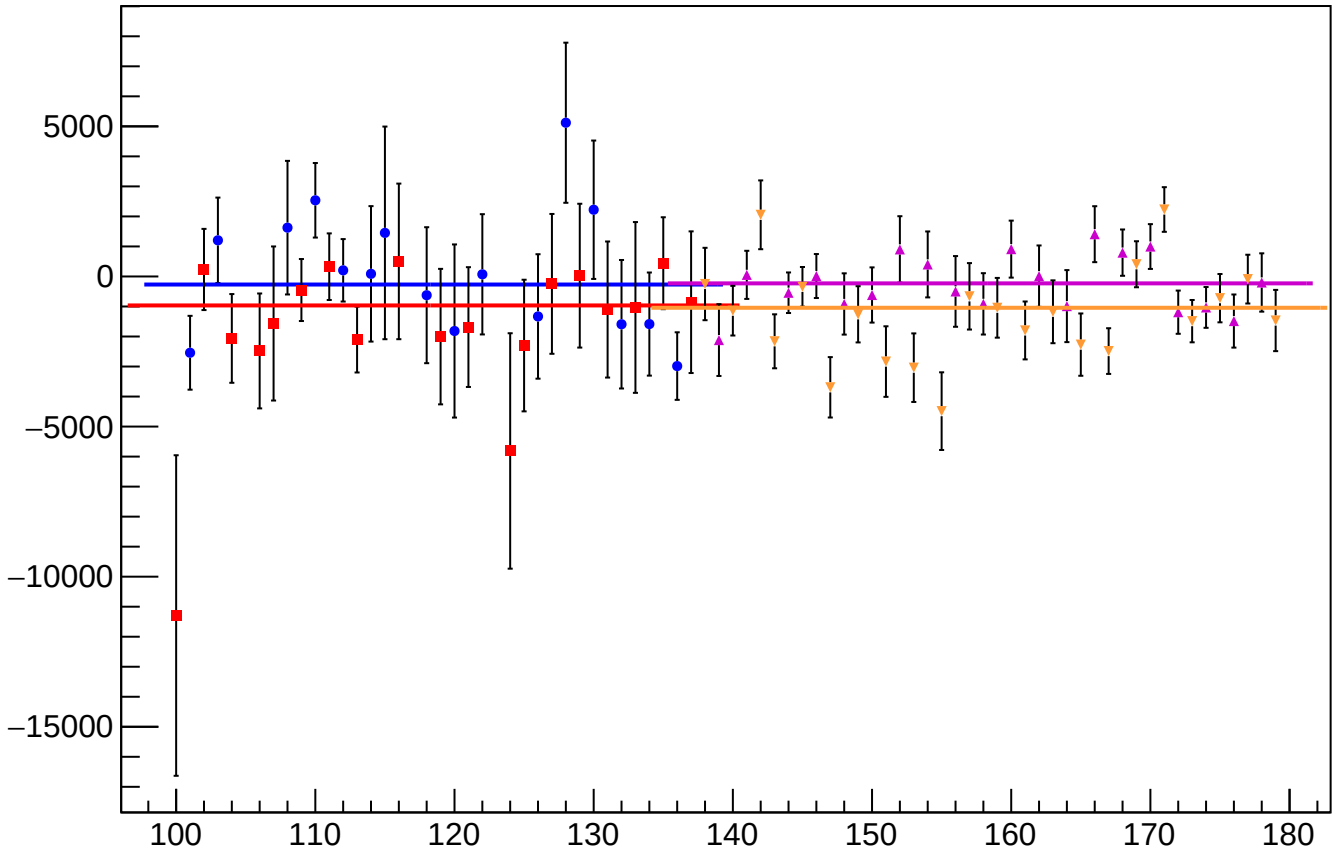
Right Out: 89.807+/-0.024 χ^2/NDF: 746833.4/18

Left In: 89.912+/-0.016 χ^2/NDF:347735.8/19

+ sign 90.463+/-0.013 χ^2/NDF: 1103252.0/37

All: 90.176+/-0.009 χ^2/NDF: 2198810.7/76

- sign 89.880+/-0.013 χ^2/NDF: 1094582.4/38



Right In: -268.506+/-419.581 χ^2/NDF: 23.4/15

Left Out: -1042.858+/-193.604 χ^2/NDF:60.7/21

Right Out: -964.986+/-401.633 χ^2/NDF: 12.1/18

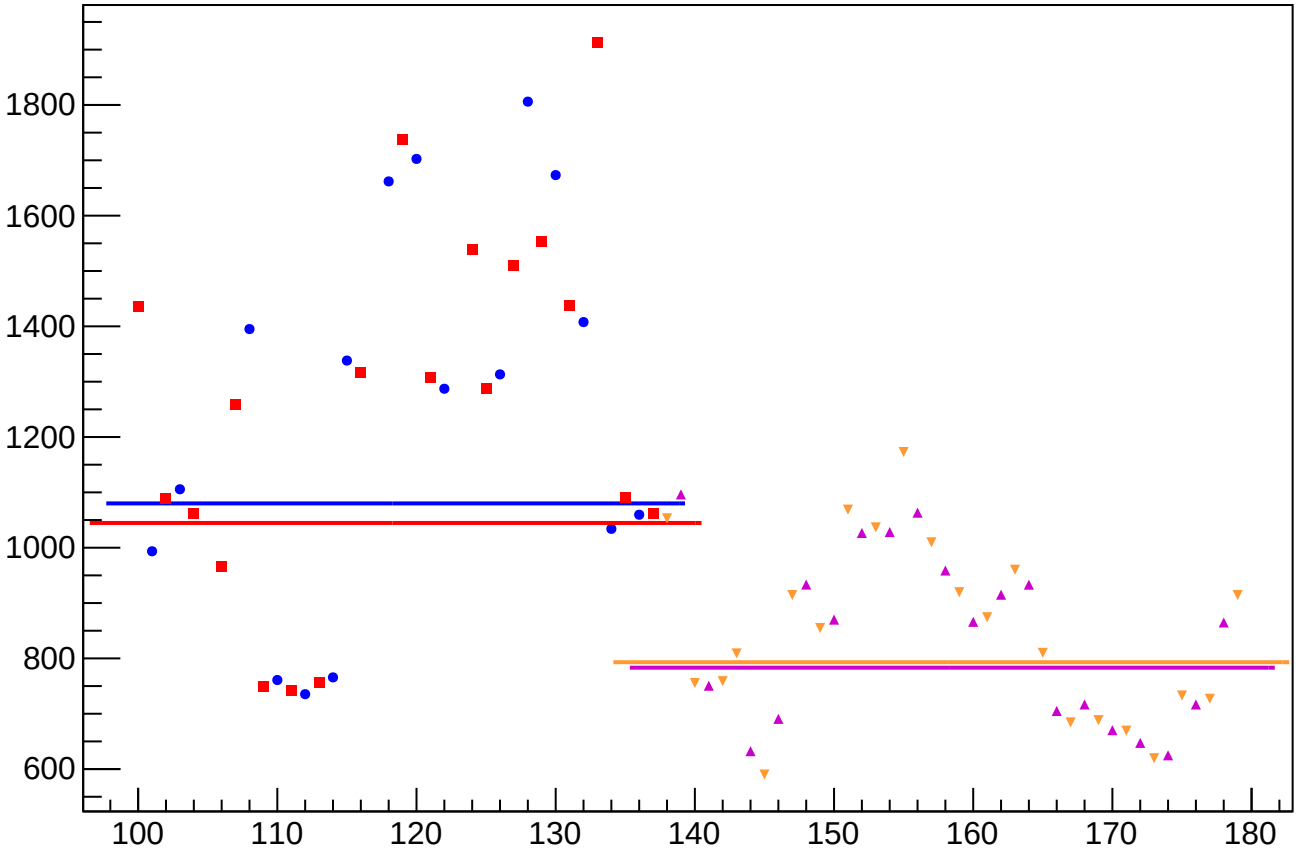
Left In: -229.883+/-197.622 χ^2/NDF:20.1/19

+ sign -906.930+/-175.793 χ^2/NDF: 86.9/37

All: -642.356+/-124.840 χ^2/NDF: 126.4/76

- sign -373.168+/-177.319 χ^2/NDF: 34.9/38

asym_sam_3748_avg_cor_correction_rms vs Slug



Right In: 1080.054+/-0.297 χ^2/NDF: 1053475.0/15

Left Out: 793.113+/-0.137 χ^2/NDF:1181760.3/21

Right Out: 1044.717+/-0.284 χ^2/NDF: 1201825.8/18

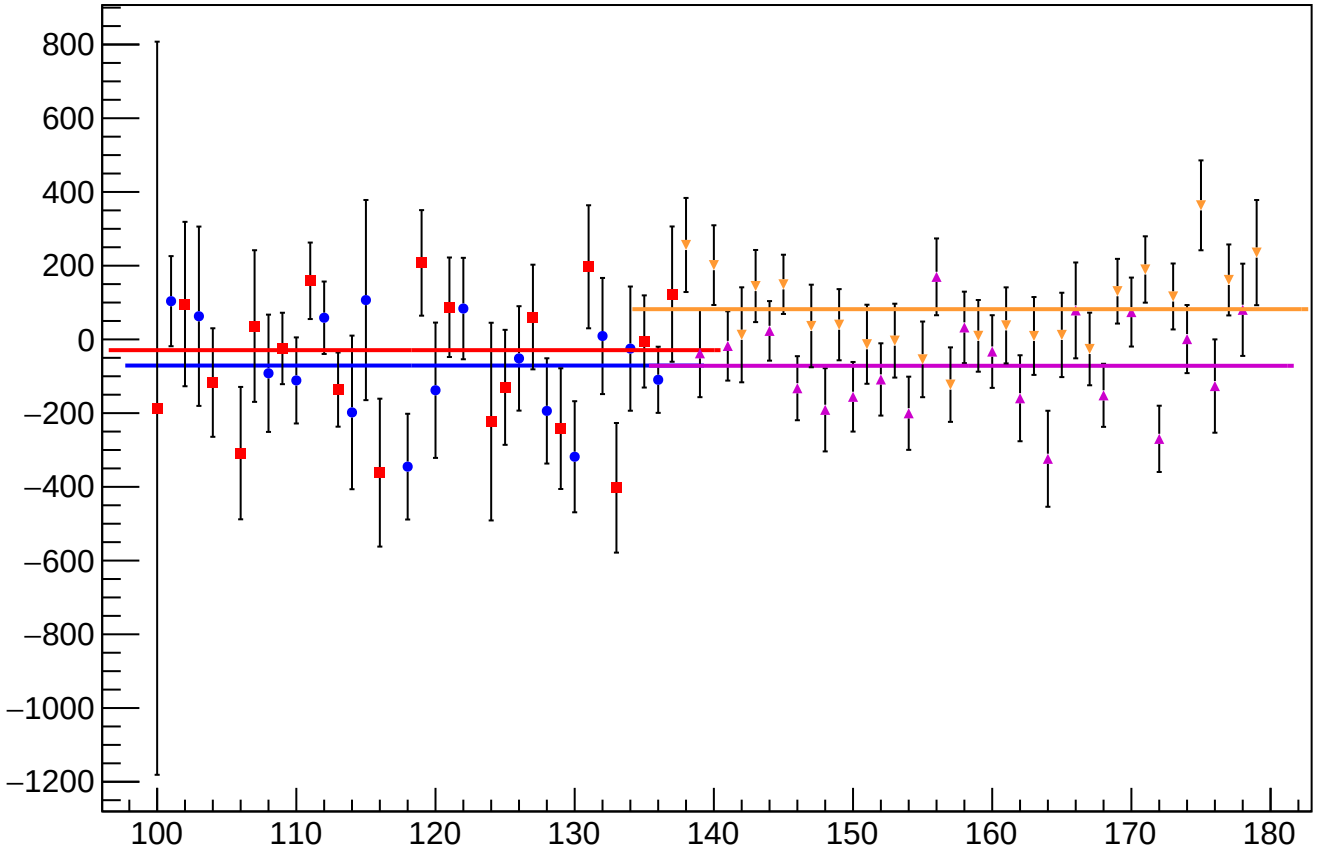
Left In: 783.206+/-0.140 χ^2/NDF:1061732.7/19

\+ sign 843.482+/-0.124 χ^2/NDF: 3006410.3/37

All: 838.871+/-0.088 χ^2/NDF: 5955382.5/76

\- sign 834.179+/-0.125 χ^2/NDF: 2946195.9/38

eigen_cor_asym_sam_3748_avg_mean vs Slug



Right In: -70.903+/-35.122 χ^2/NDF: 14.1/15

Left Out: 82.028+/-21.798 χ^2/NDF:24.1/21

Right Out: -29.159+/-34.247 χ^2/NDF: 24.0/18

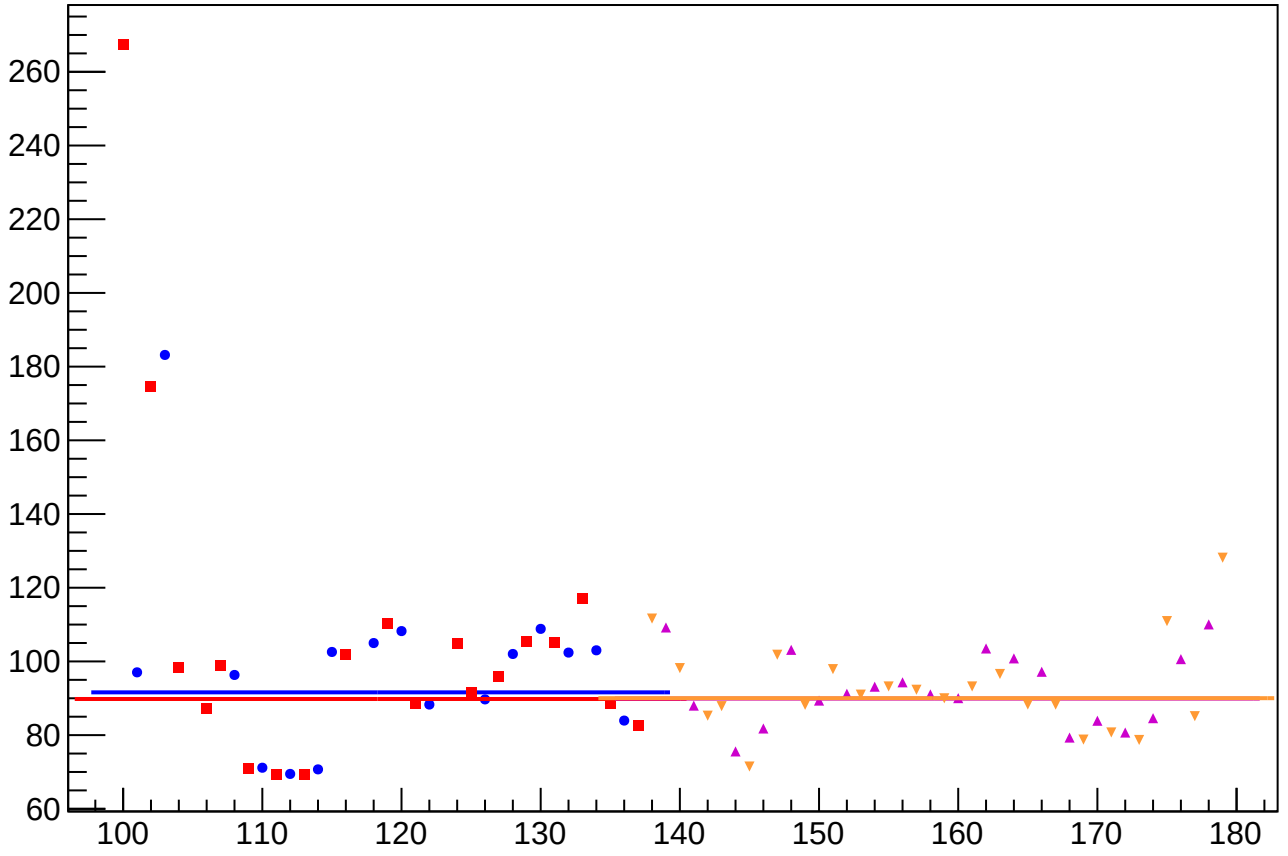
Left In: -71.571+/-22.493 χ^2/NDF:28.8/19

+ sign 39.500+/-18.521 χ^2/NDF: 51.8/37

All: -8.908+/-13.194 χ^2/NDF: 119.5/76

- sign -58.789+/-18.801 χ^2/NDF: 53.8/38

eigen_cor_asym_sam_3748_avg_rms vs Slug



Right In: 91.608+/-0.025 χ^2/NDF: 580675.9/15

Left Out: 90.023+/-0.015 χ^2/NDF:519634.2/21

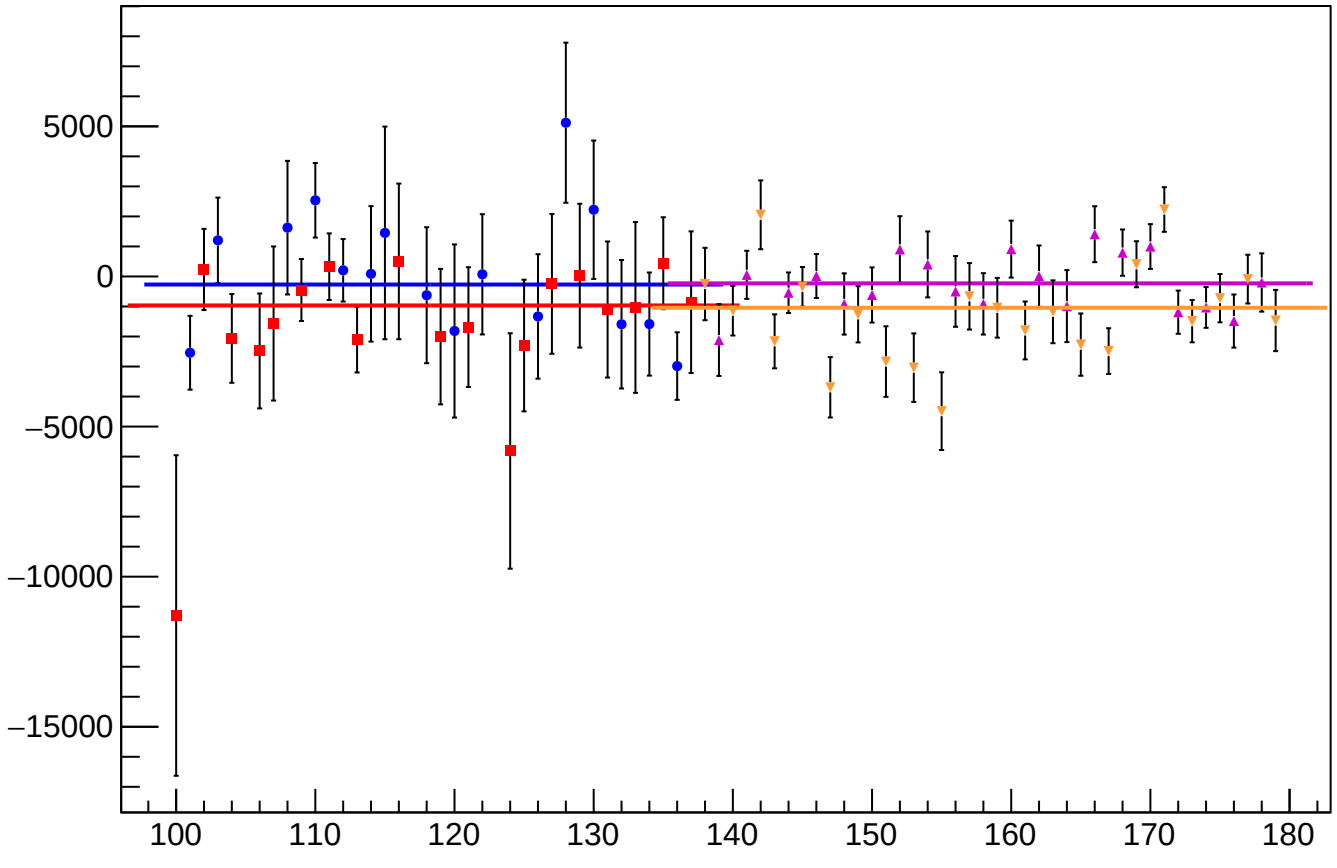
Right Out: 89.807+/-0.024 χ^2/NDF: 746833.4/18

Left In: 89.912+/-0.016 χ^2/NDF:347735.8/19

+ sign 90.463+/-0.013 χ^2/NDF: 1103252.0/37

All: 90.176+/-0.009 χ^2/NDF: 2198810.7/76

- sign 89.880+/-0.013 χ^2/NDF: 1094582.4/38



Right In: -268.506+/-419.581 χ^2/NDF: 23.4/15

Left Out: -1042.858+/-193.604 χ^2/NDF:60.7/21

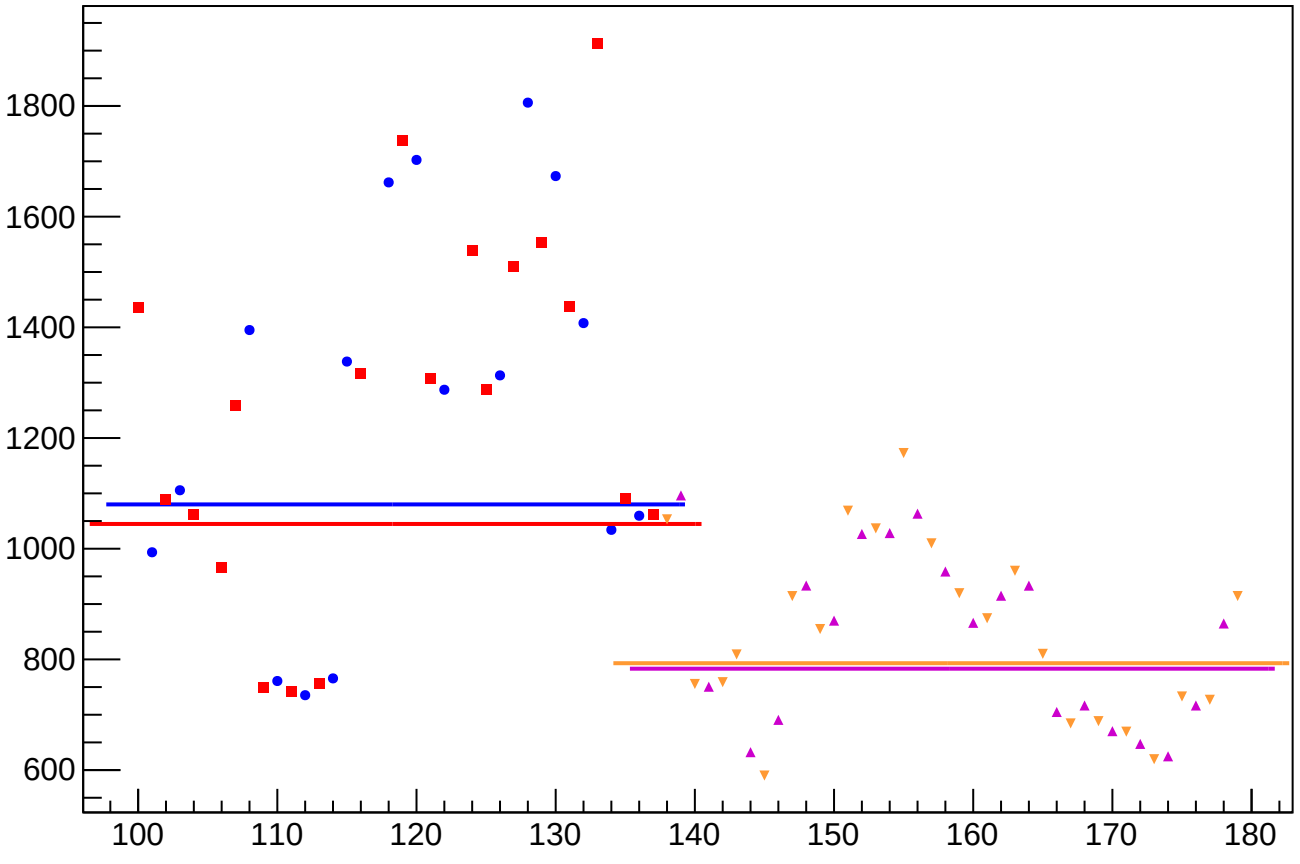
Right Out: -964.986+/-401.633 χ^2/NDF: 12.1/18

Left In: -229.883+/-197.622 χ^2/NDF:20.1/19

+ sign -906.930+/-175.793 χ^2/NDF: 86.9/37

All: -642.356+/-124.840 χ^2/NDF: 126.4/76

- sign -373.168+/-177.319 χ^2/NDF: 34.9/38



Right In: 1080.054+/-0.297 χ^2/NDF: 1053475.0/15

Left Out: 793.113+/-0.137 χ^2/NDF:1181760.3/21

Right Out: 1044.717+/-0.284 χ^2/NDF: 1201825.8/18

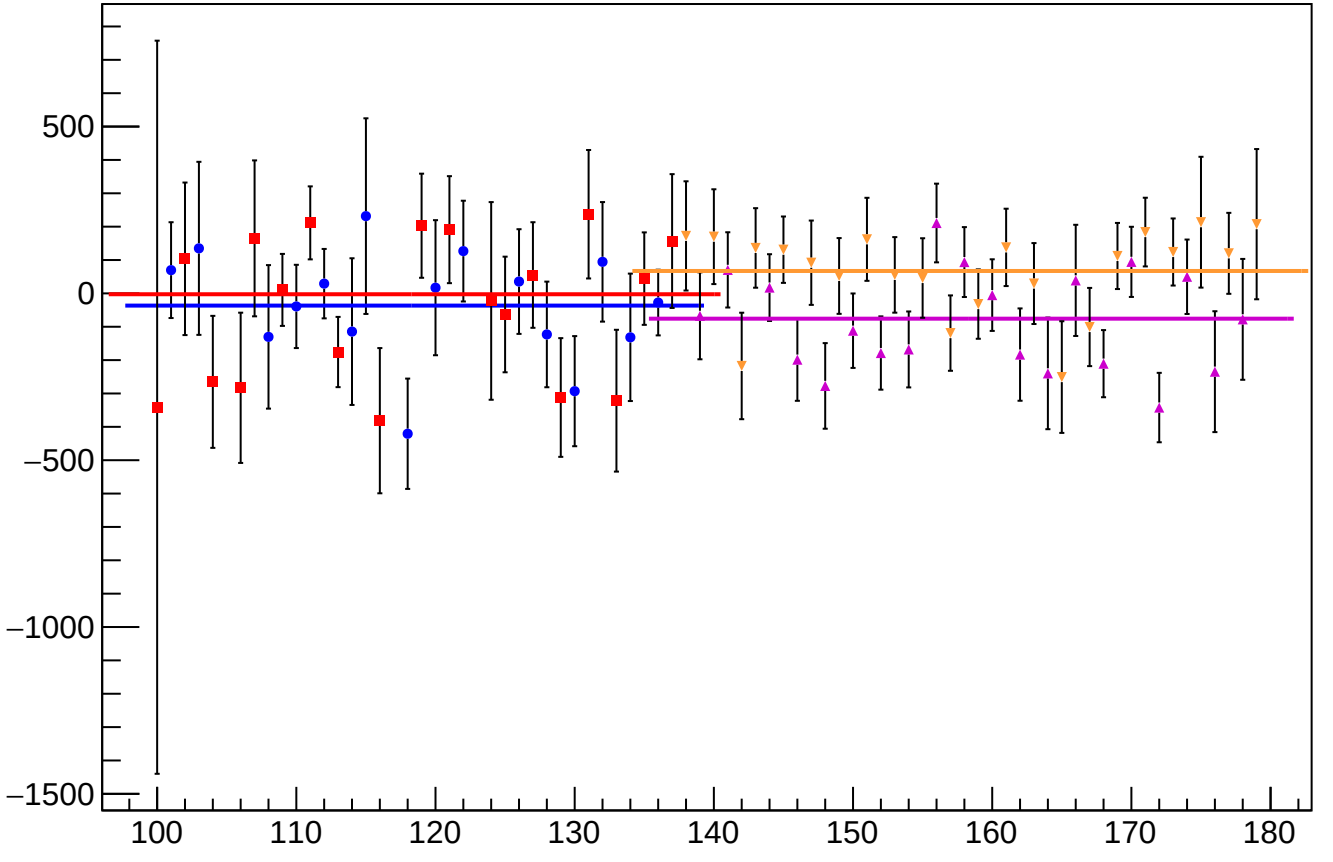
Left In: 783.206+/-0.140 χ^2/NDF:1061732.7/19

+ sign 843.482+/-0.124 χ^2/NDF: 3006410.3/37

All: 838.871+/-0.088 χ^2/NDF: 5955382.5/76

- sign 834.179+/-0.125 χ^2/NDF: 2946195.9/38

dit_asym_sam_3748_avg_mean vs Slug



Right In: -36.590+/-38.991 χ^2/NDF: 12.9/15

Left Out: 67.166+/-25.982 χ^2/NDF:18.2/21

Right Out: -2.568+/-38.165 χ^2/NDF: 24.7/18

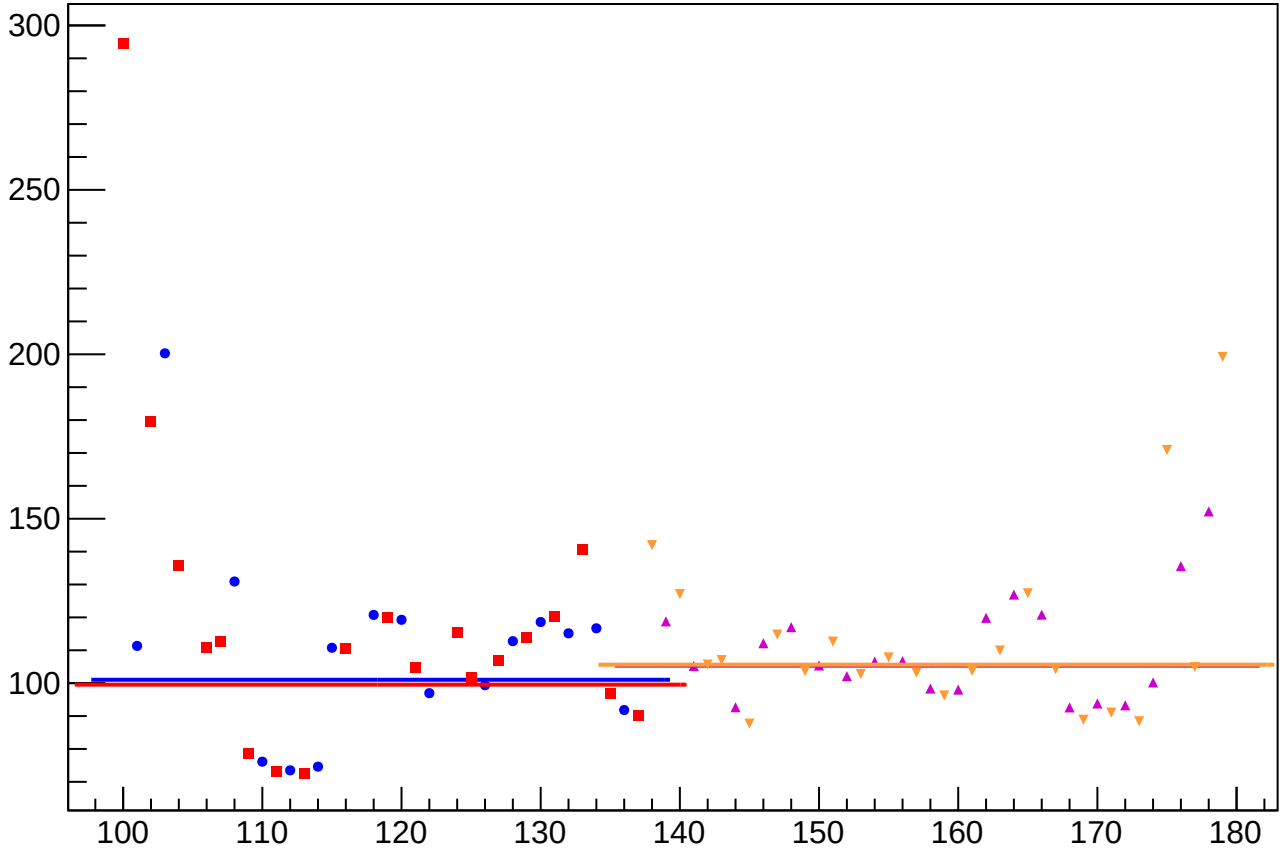
Left In: -75.806+/-26.714 χ^2/NDF:31.7/19

+ sign 35.261+/-21.621 χ^2/NDF: 36.0/37

All: -7.703+/-15.381 χ^2/NDF: 102.9/76

- sign -51.722+/-21.885 χ^2/NDF: 58.9/38

dit_asym_sam_3748_avg_rms vs Slug



Right In: 101.031+/-0.028 χ^2/NDF: 716095.9/15

Left Out: 105.619+/-0.018 χ^2/NDF:1006014.7/21

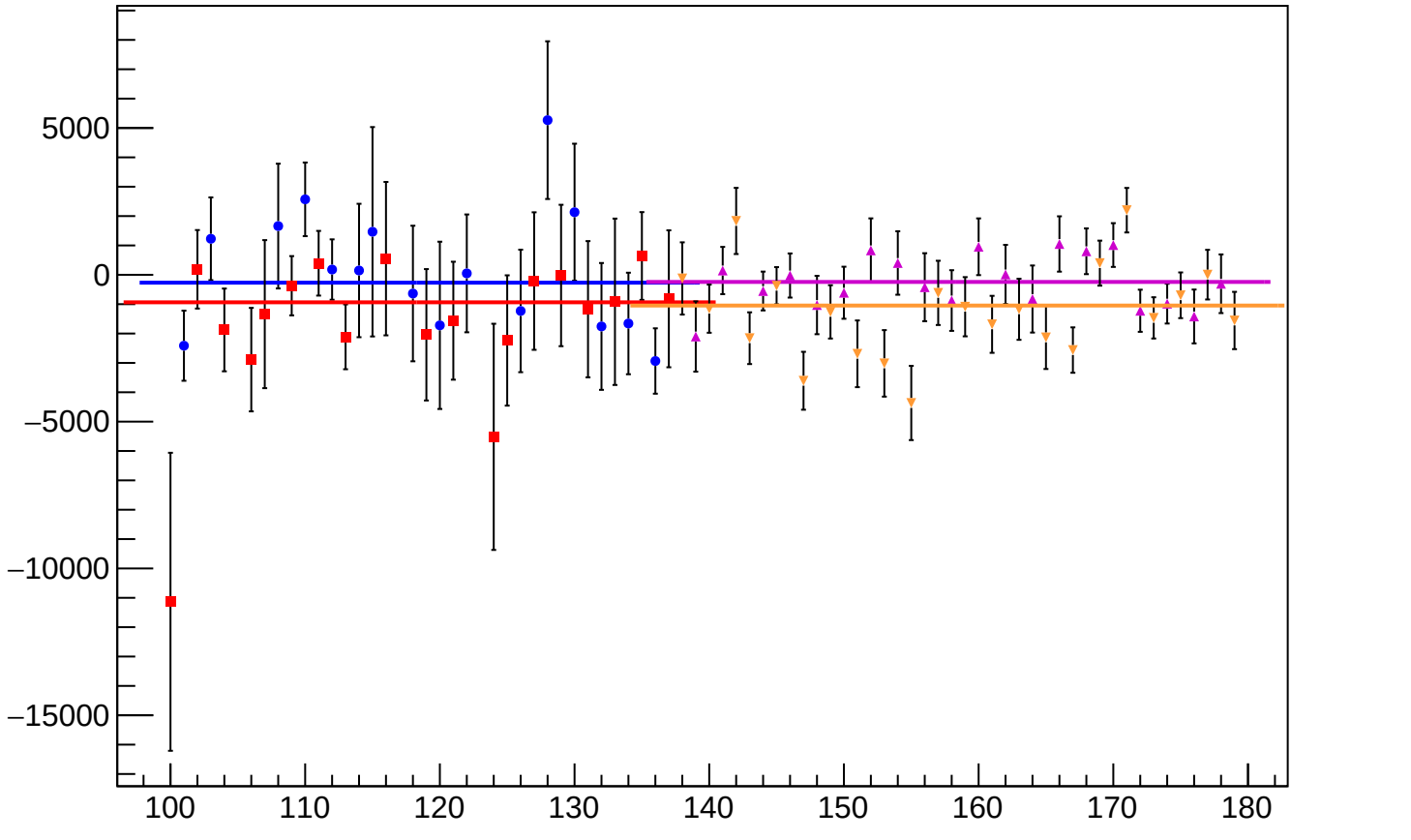
Right Out: 99.547+/-0.027 χ^2/NDF: 880497.8/18

Left In: 105.309+/-0.019 χ^2/NDF:445993.2/19

+ sign 104.208+/-0.015 χ^2/NDF: 1741282.3/37

All: 103.816+/-0.011 χ^2/NDF: 3099701.3/76

- sign 103.414+/-0.015 χ^2/NDF: 1357088.2/38



Right In: -267.886+/-417.061 χ^2/NDF: 23.5/15

Left Out: -1046.693+/-192.268 χ^2/NDF:58.4/21

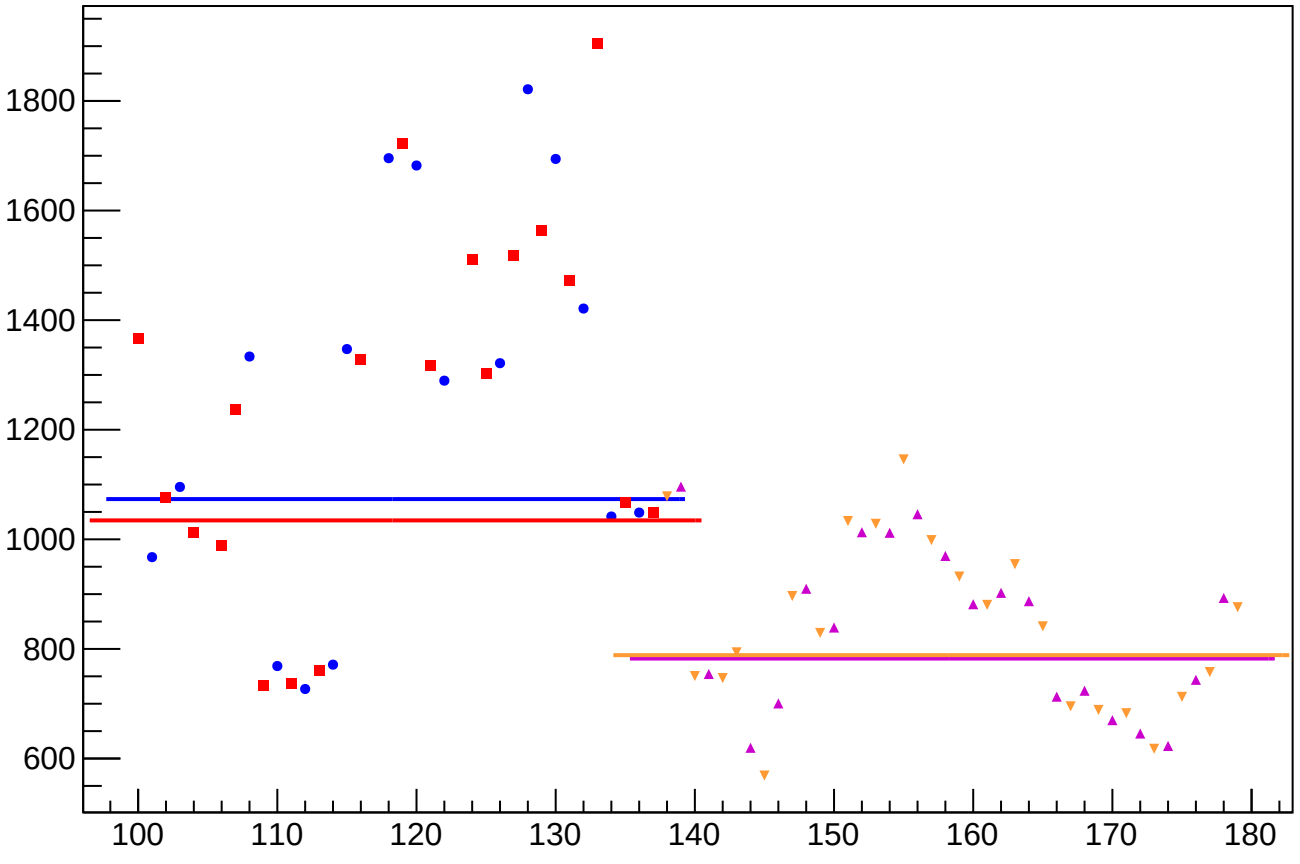
Right Out: -936.734+/-396.234 χ^2/NDF: 13.1/18

Left In: -242.845+/-197.315 χ^2/NDF:18.6/19

+ sign -910.187+/-174.607 χ^2/NDF: 84.8/37

All: -648.500+/-124.173 χ^2/NDF: 123.5/76

- sign -380.724+/-176.627 χ^2/NDF: 34.2/38



Right In: 1073.456+/-0.295 χ^2/NDF: 1077055.9/15

Left Out: 788.646+/-0.136 χ^2/NDF:1174892.9/21

Right Out: 1034.535+/-0.280 χ^2/NDF: 1229344.1/18

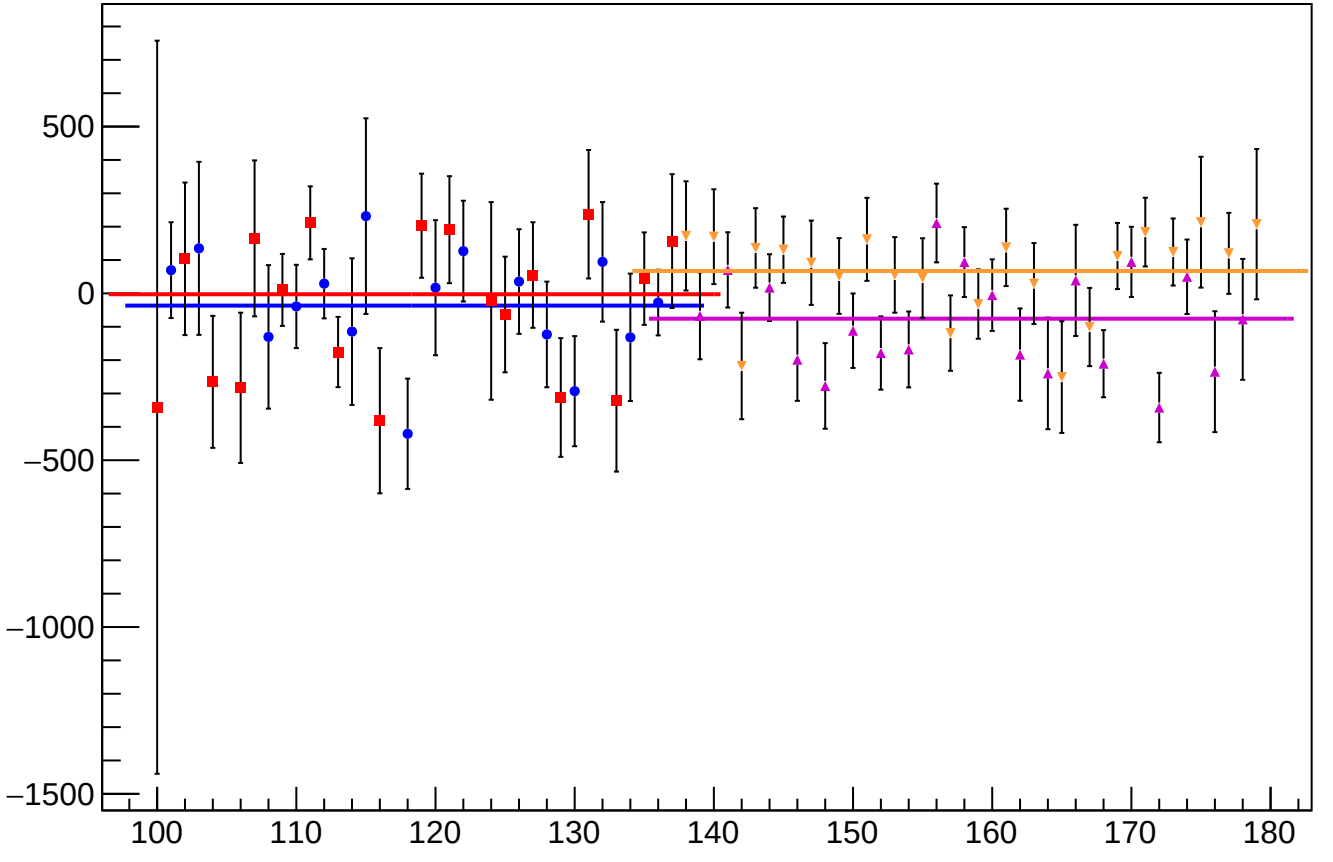
Left In: 782.444+/-0.140 χ^2/NDF:1020685.5/19

+ sign 838.566+/-0.123 χ^2/NDF: 3021163.0/37

All: 835.586+/-0.088 χ^2/NDF: 5921056.1/76

- sign 832.535+/-0.125 χ^2/NDF: 2898713.8/38

eigen_dit_asym_sam_3748_avg_mean vs Slug



Right In: -36.589+/-38.991 χ^2/NDF: 12.9/15

Left Out: 67.167+/-25.982 χ^2/NDF:18.2/21

Right Out: -2.566+/-38.165 χ^2/NDF: 24.7/18

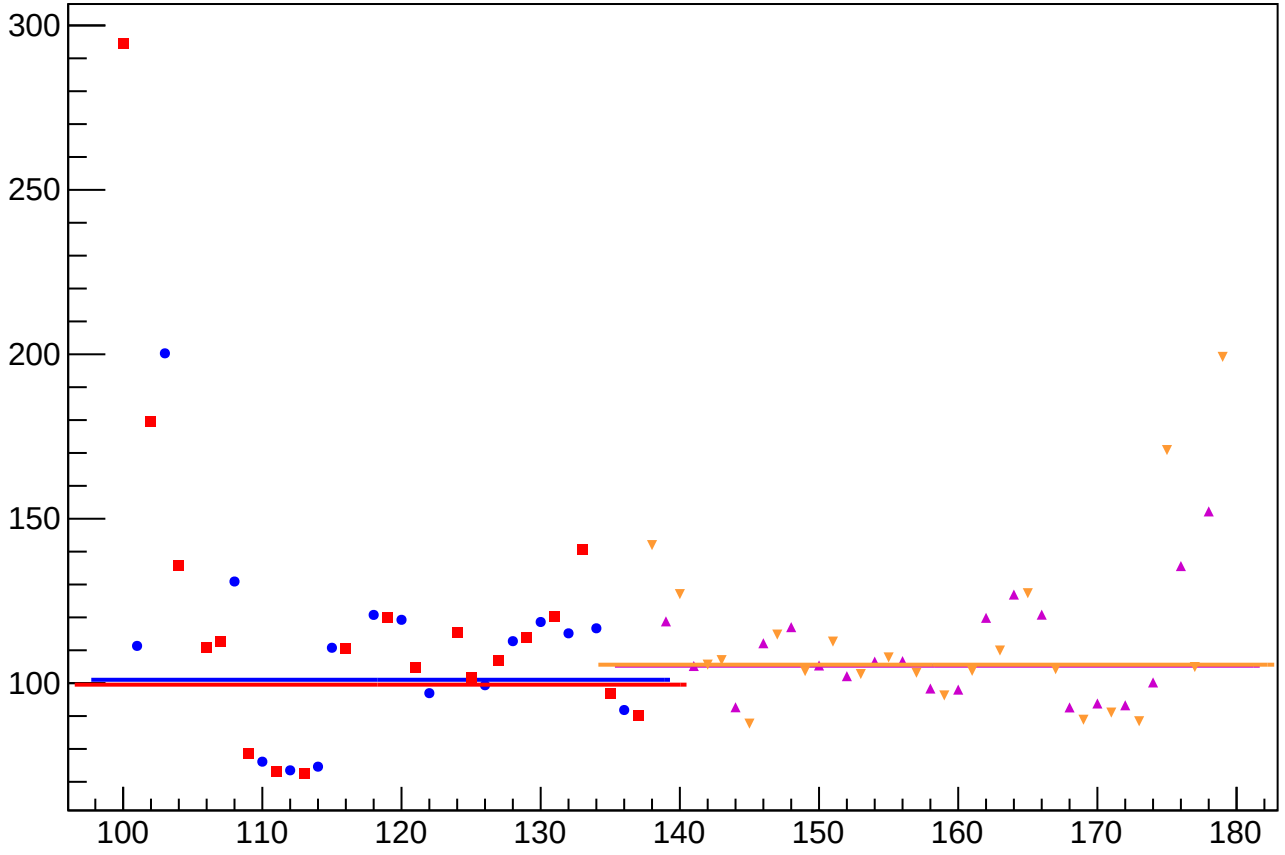
Left In: -75.805+/-26.714 χ^2/NDF:31.7/19

+ sign 35.262+/-21.622 χ^2/NDF: 36.0/37

All: -7.702+/-15.381 χ^2/NDF: 102.9/76

- sign -51.721+/-21.886 χ^2/NDF: 58.9/38

eigen_dit_asym_sam_3748_avg_rms vs Slug



Right In: 101.031+/-0.028 χ^2/NDF: 716094.5/15

Left Out: 105.619+/-0.018 χ^2/NDF:1006015.7/21

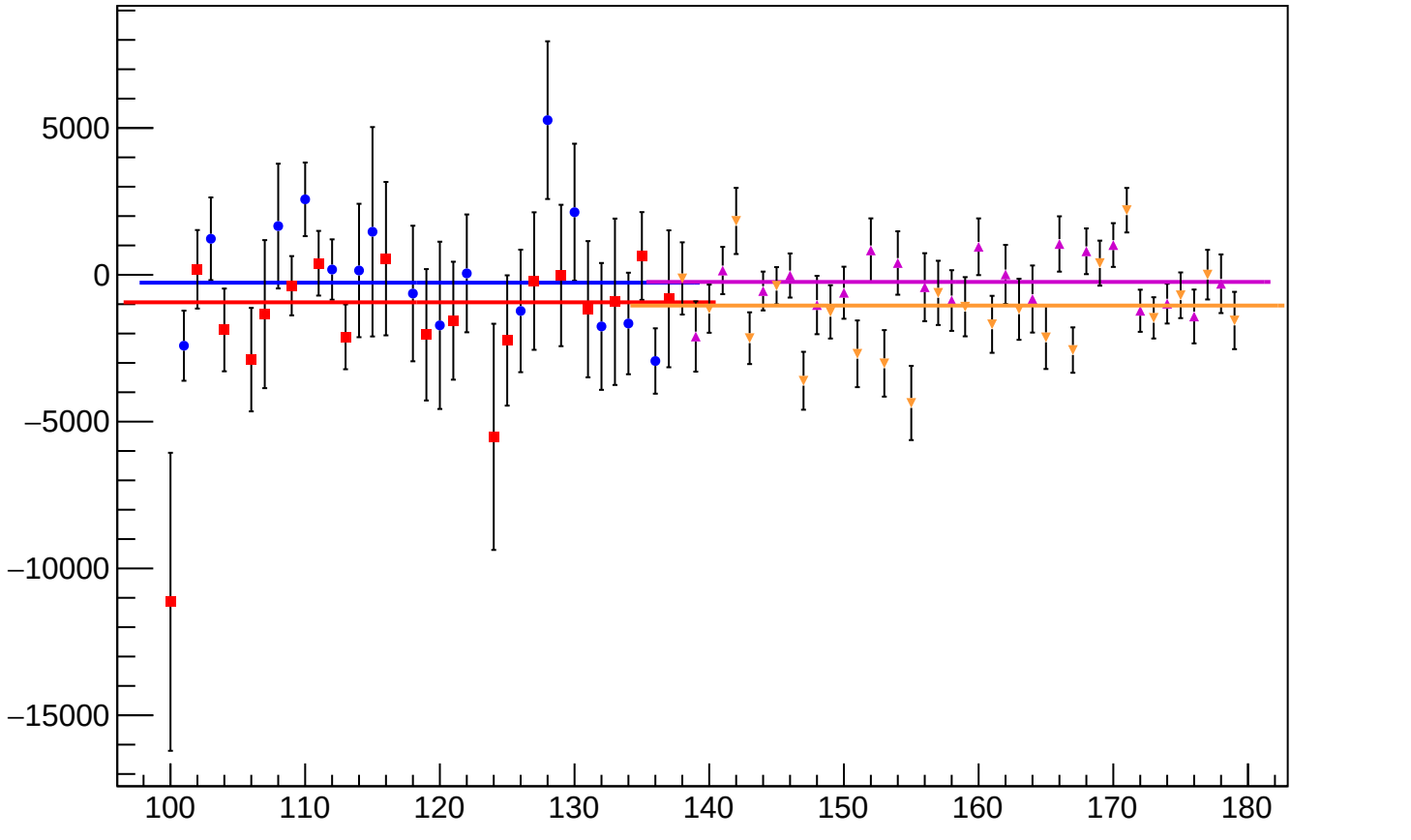
Right Out: 99.547+/-0.027 χ^2/NDF: 880499.8/18

Left In: 105.309+/-0.019 χ^2/NDF:445984.2/19

+ sign 104.208+/-0.015 χ^2/NDF: 1741283.2/37

All: 103.816+/-0.011 χ^2/NDF: 3099697.1/76

- sign 103.415+/-0.015 χ^2/NDF: 1357082.9/38



Right In: -267.885+/-417.061 χ^2/NDF: 23.5/15

Left Out: -1046.692+/-192.267 χ^2/NDF:58.4/21

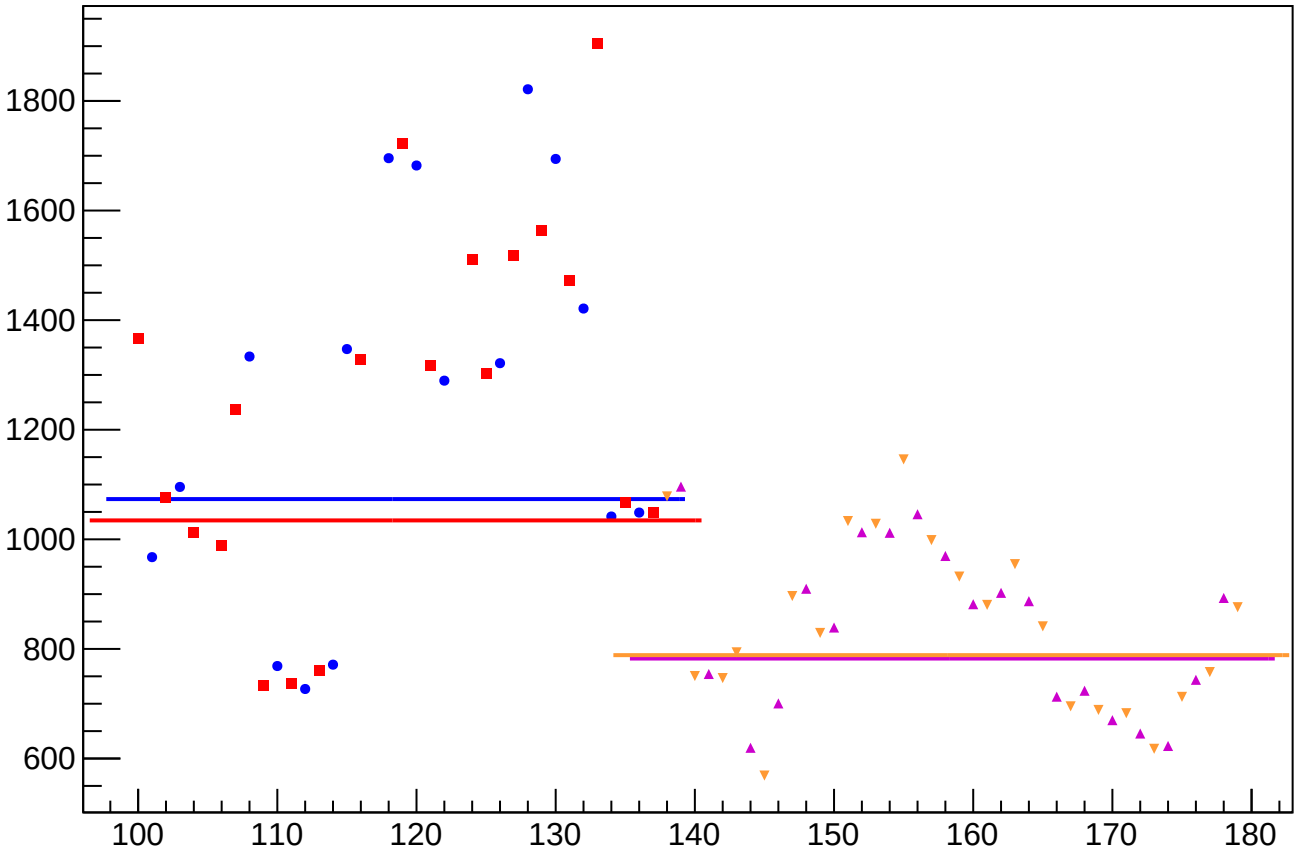
Right Out: -936.732+/-396.234 χ^2/NDF: 13.1/18

Left In: -242.844+/-197.314 χ^2/NDF:18.6/19

+ sign -910.186+/-174.606 χ^2/NDF: 84.7/37

All: -648.499+/-124.173 χ^2/NDF: 123.5/76

- sign -380.722+/-176.626 χ^2/NDF: 34.2/38



Right In: 1073.454+/-0.295 χ^2/NDF: 1077061.8/15

Left Out: 788.645+/-0.136 χ^2/NDF:1174895.6/21

Right Out: 1034.533+/-0.280 χ^2/NDF: 1229346.7/18

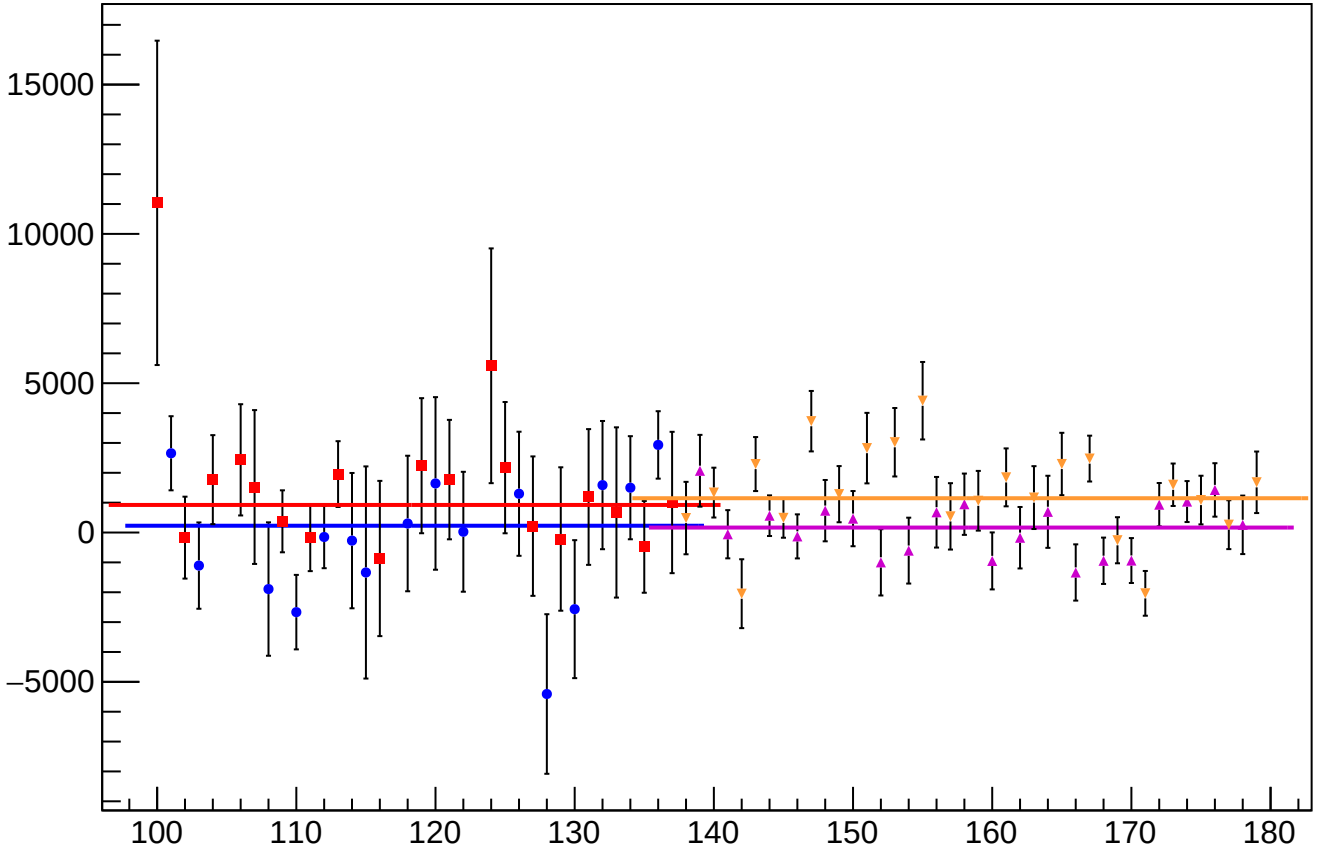
Left In: 782.443+/-0.140 χ^2/NDF:1020686.4/19

+ sign 838.565+/-0.123 χ^2/NDF: 3021171.1/37

All: 835.584+/-0.088 χ^2/NDF: 5921068.0/76

- sign 832.534+/-0.125 χ^2/NDF: 2898717.7/38

asym_sam_3748_avg_mean vs Slug



Right In: 227.502+/-421.838 χ^2/NDF: 24.4/15

Left Out: 1148.558+/-194.970 χ^2/NDF:56.4/21

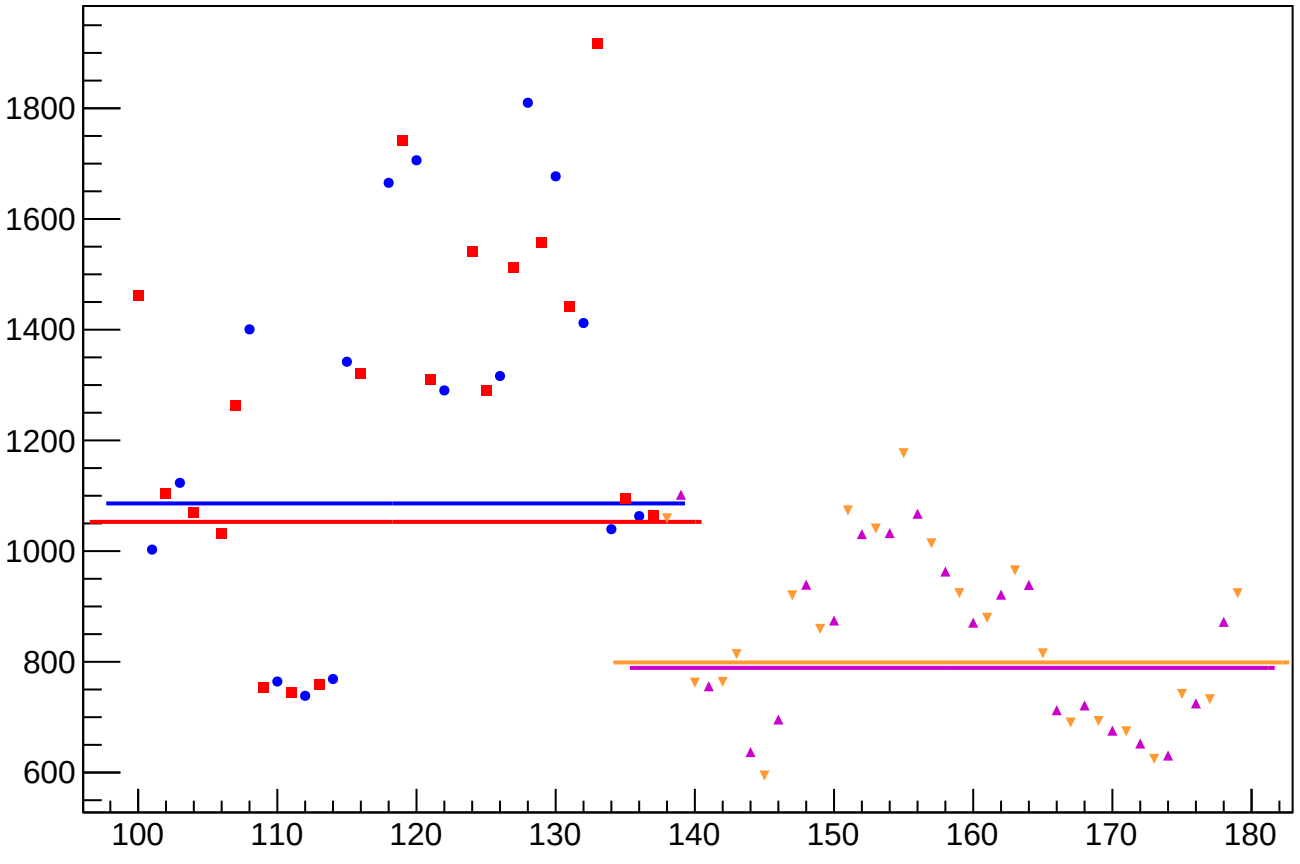
Right Out: 923.649+/-403.102 χ^2/NDF: 11.2/18

Left In: 166.321+/-199.039 χ^2/NDF:19.0/19

+ sign 986.434+/-176.981 χ^2/NDF: 84.8/37

All: 653.413+/-125.667 χ^2/NDF: 125.0/76

- sign 314.770+/-178.468 χ^2/NDF: 33.0/38



Right In: 1086.137+/-0.298 χ^2/NDF: 1047479.6/15

Left Out: 798.900+/-0.138 χ^2/NDF:1166904.0/21

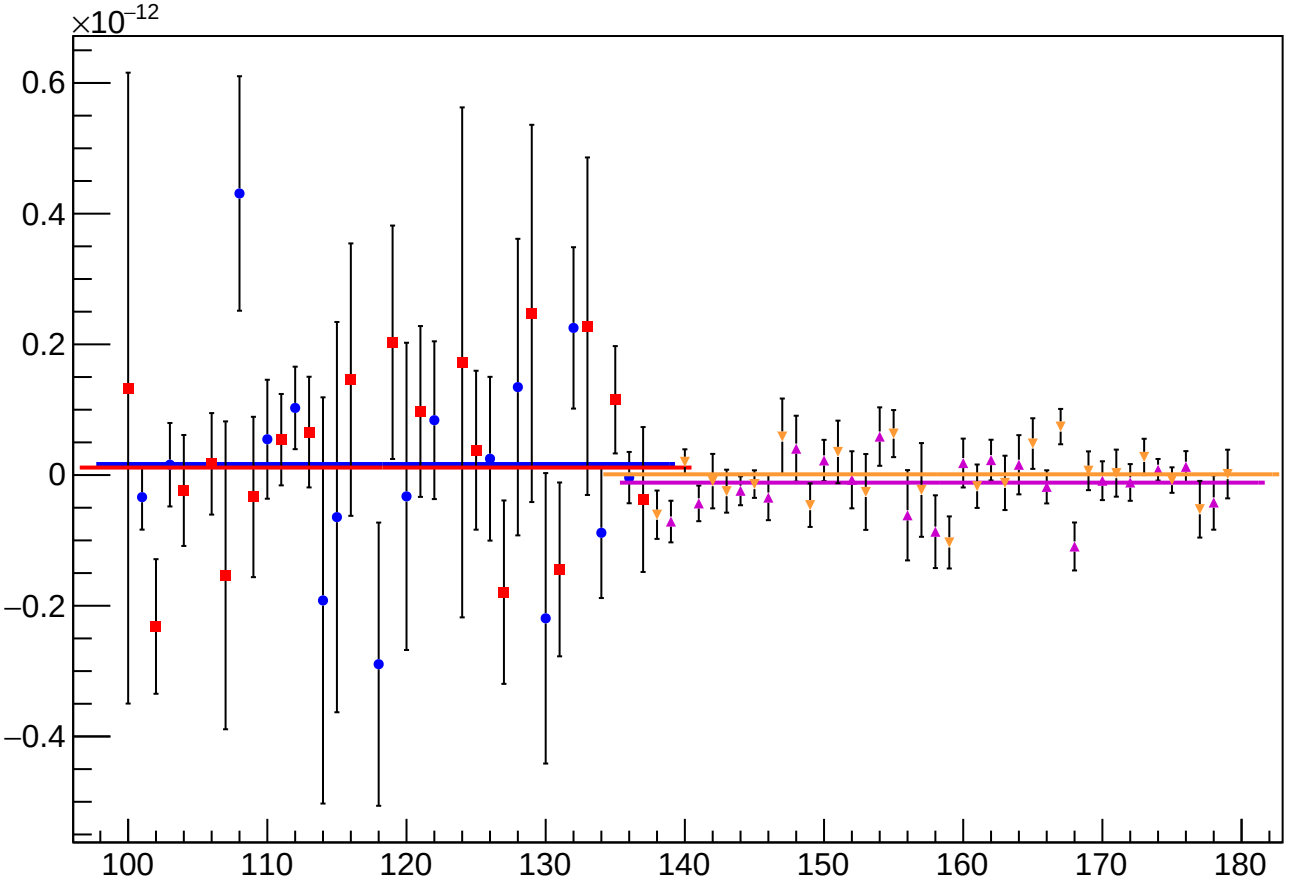
Right Out: 1052.831+/-0.285 χ^2/NDF: 1194420.8/18

Left In: 789.020+/-0.141 χ^2/NDF:1046146.9/19

\+ sign 849.459+/-0.125 χ^2/NDF: 2978463.9/37

All: 845.132+/-0.089 χ^2/NDF: 5910146.5/76

\- sign 840.731+/-0.126 χ^2/NDF: 2929271.0/38



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:30.5/21

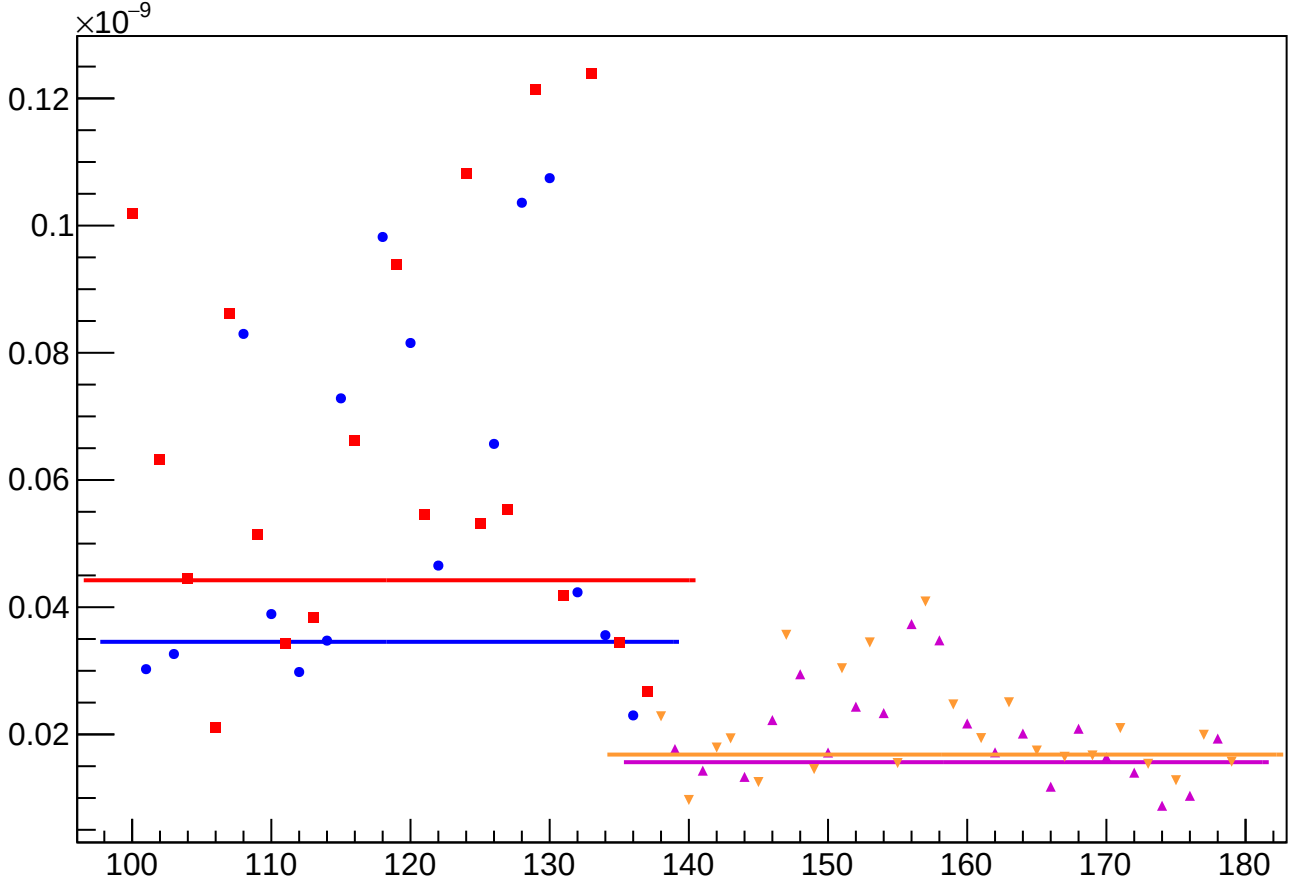
Right Out: 0.000+/-0.000 χ^2/NDF: 15.8/18

Left In: -0.000+/-0.000 χ^2/NDF:25.0/19

+ sign 0.000+/-0.000 χ^2/NDF: 47.8/37

All: -0.000+/-0.000 χ^2/NDF: 91.2/76

- sign -0.000+/-0.000 χ^2/NDF: 41.5/38



Right In: 0.000+/-0.000 χ^2/NDF: 1188815.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1517509.5/21

Right Out: 0.000+/-0.000 χ^2/NDF: 1073061.4/18

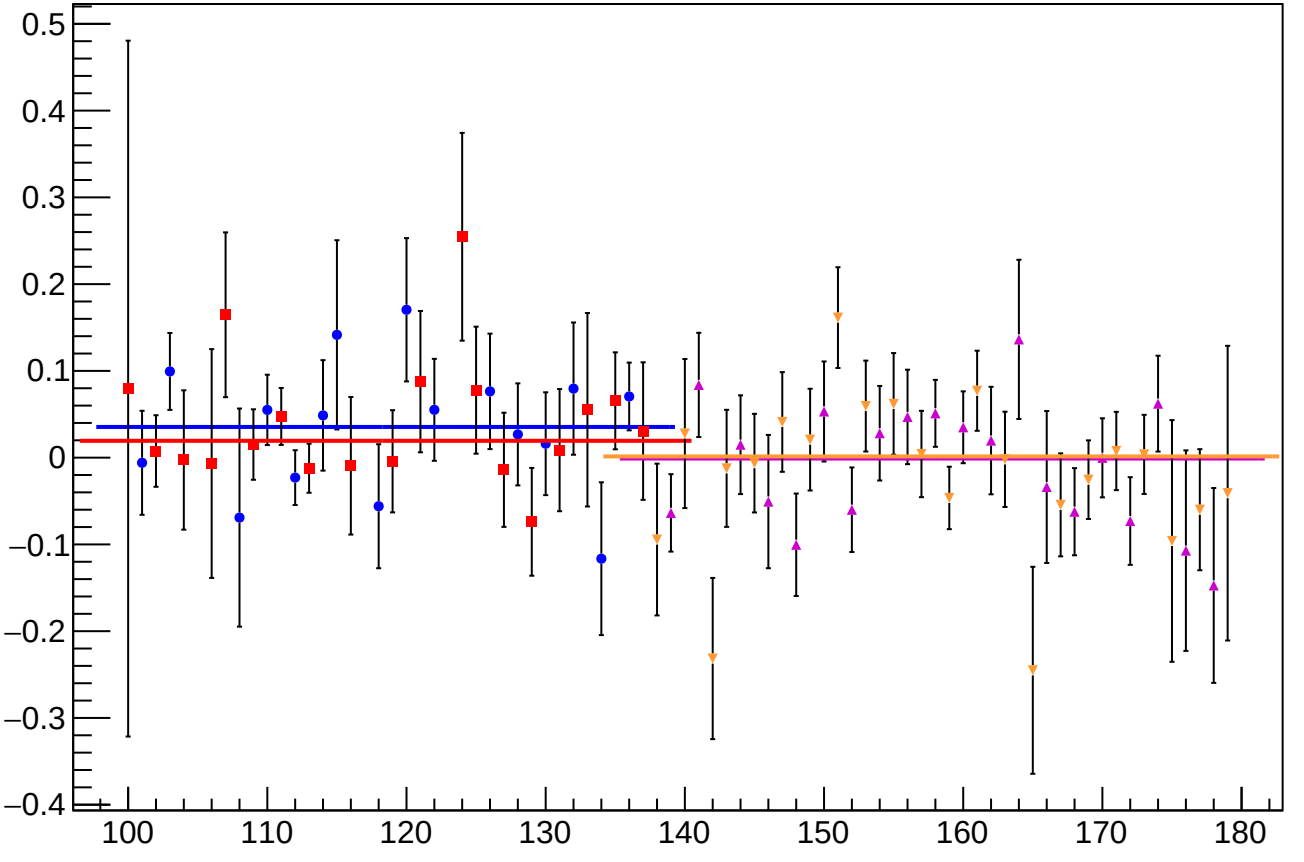
Left In: 0.000+/-0.000 χ^2/NDF:1466523.9/19

+ sign 0.000+/-0.000 χ^2/NDF: 3907880.7/37

All: 0.000+/-0.000 χ^2/NDF: 8594118.5/76

- sign 0.000+/-0.000 χ^2/NDF: 4662128.1/38

asym_sam_3748_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.001+/-0.012 χ^2/NDF:29.4/21

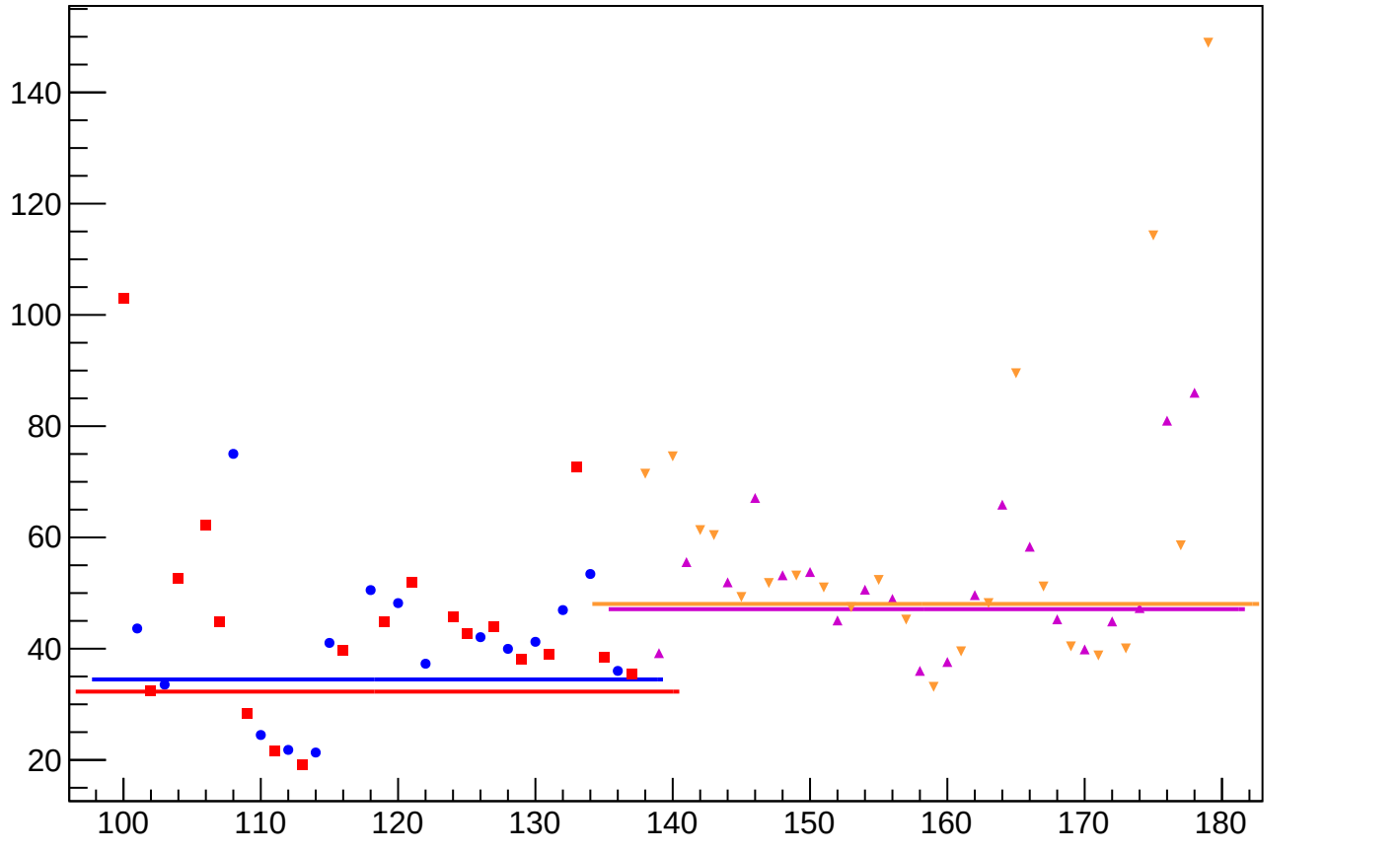
Right Out: 0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: -0.001+/-0.012 χ^2/NDF:23.2/19

+ sign 0.016+/-0.009 χ^2/NDF: 49.7/37

All: 0.012+/-0.006 χ^2/NDF: 87.9/76

- sign 0.009+/-0.009 χ^2/NDF: 37.8/38



Right In: 34.468+/-0.010 χ^2/NDF: 1171203.3/15

Left Out: 48.045+/-0.009 χ^2/NDF:2553757.2/21

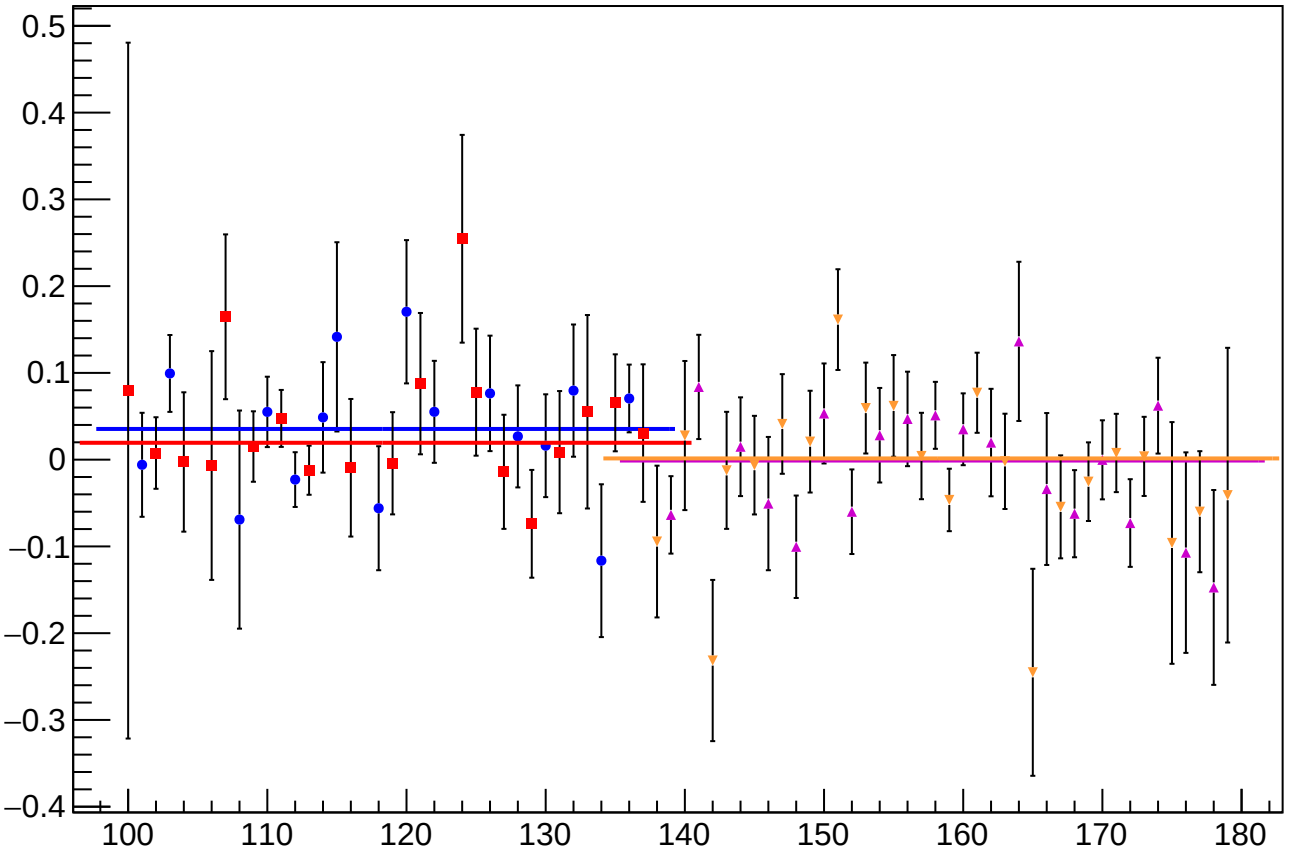
Right Out: 32.285+/-0.009 χ^2/NDF: 1672637.0/18

Left In: 47.103+/-0.009 χ^2/NDF:1173570.3/19

+ sign 42.042+/-0.007 χ^2/NDF: 4790805.6/37

All: 41.042+/-0.005 χ^2/NDF: 9025378.8/76

- sign 40.086+/-0.006 χ^2/NDF: 4188725.4/38



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.001+/-0.012 χ^2/NDF:29.4/21

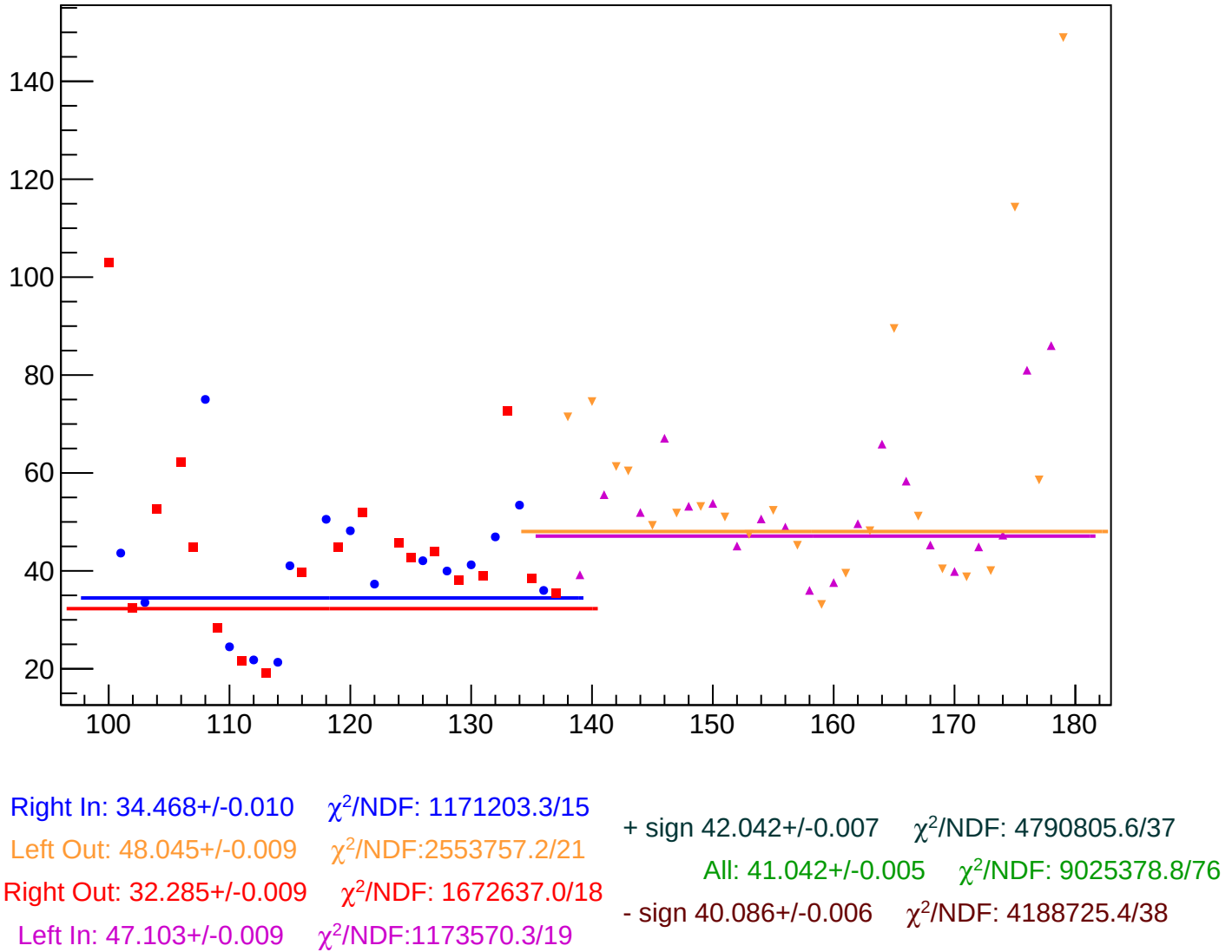
Right Out: 0.019+/-0.013 χ^2/NDF: 13.4/18

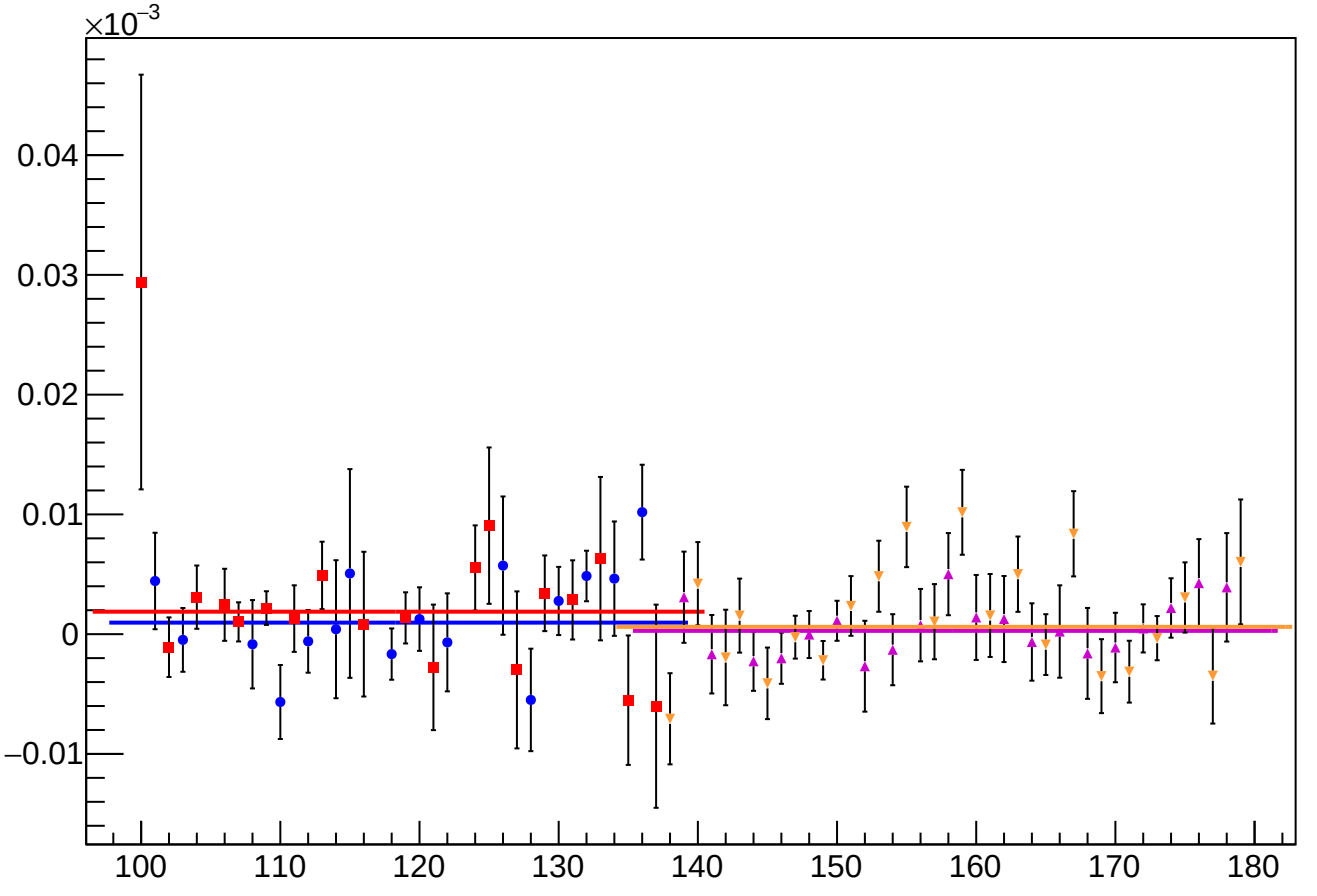
Left In: -0.001+/-0.012 χ^2/NDF:23.2/19

+ sign 0.016+/-0.009 χ^2/NDF: 49.7/37

All: 0.012+/-0.006 χ^2/NDF: 87.9/76

- sign 0.009+/-0.009 χ^2/NDF: 37.8/38


asym_sam_3748_avg_dit_vs_eigen_cor_diff_rms vs Slug
140
120
100
80
60
40
20
100
110
120
130
140
150
160
170
180
Right In: 34.468+/-0.010 χ²/NDF: 1171203.3/15
Left Out: 48.045+/-0.009 χ²/NDF:2553757.2/21
Right Out: 32.285+/-0.009 χ²/NDF: 1672637.0/18
Left In: 47.103+/-0.009 χ²/NDF:1173570.3/19
+ sign 42.042+/-0.007 χ²/NDF: 4790805.6/37
All: 41.042+/-0.005 χ²/NDF: 9025378.8/76
- sign 40.086+/-0.006 χ²/NDF: 4188725.4/38



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:41.5/21

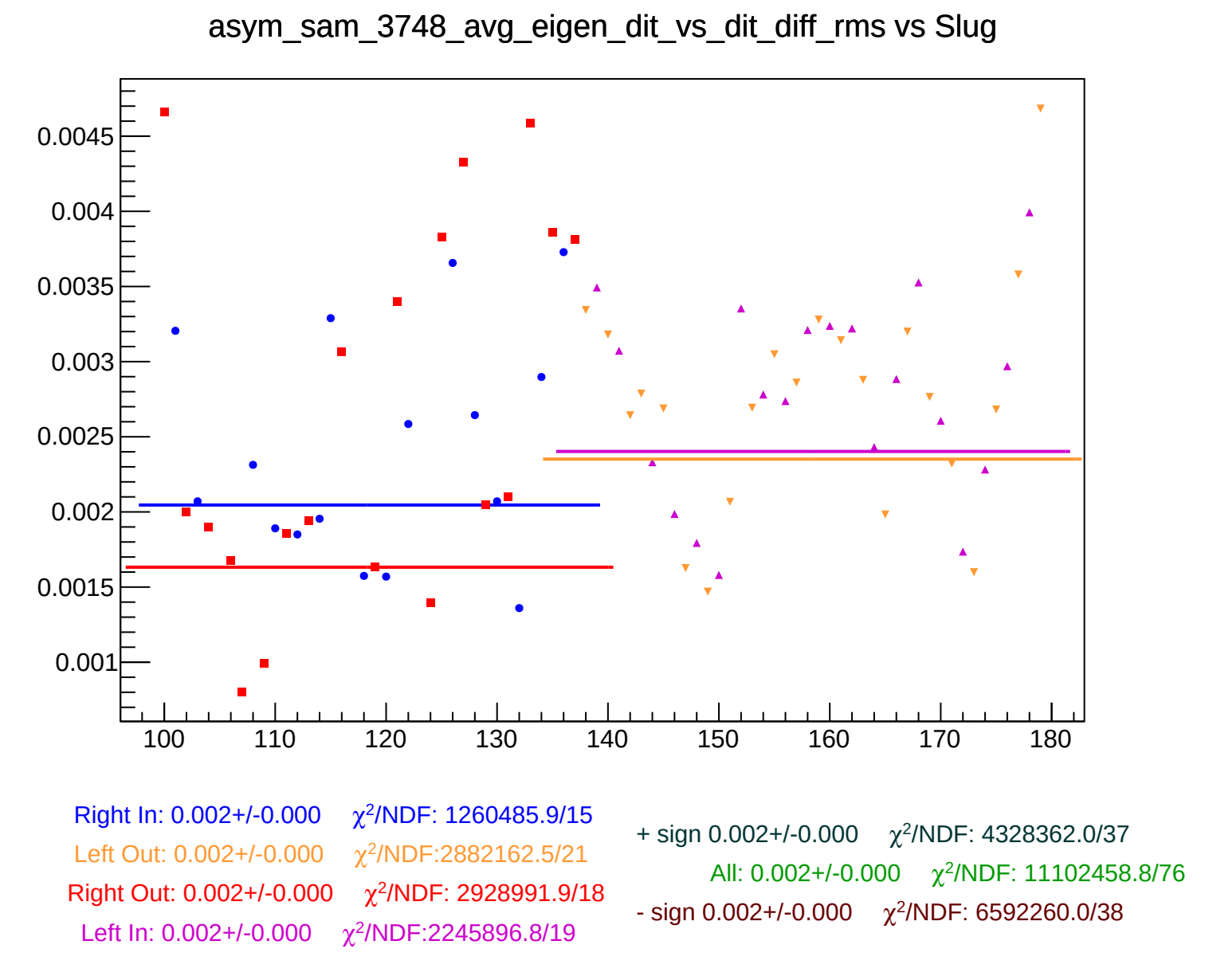
Right Out: 0.000+/-0.000 χ^2/NDF: 12.9/18

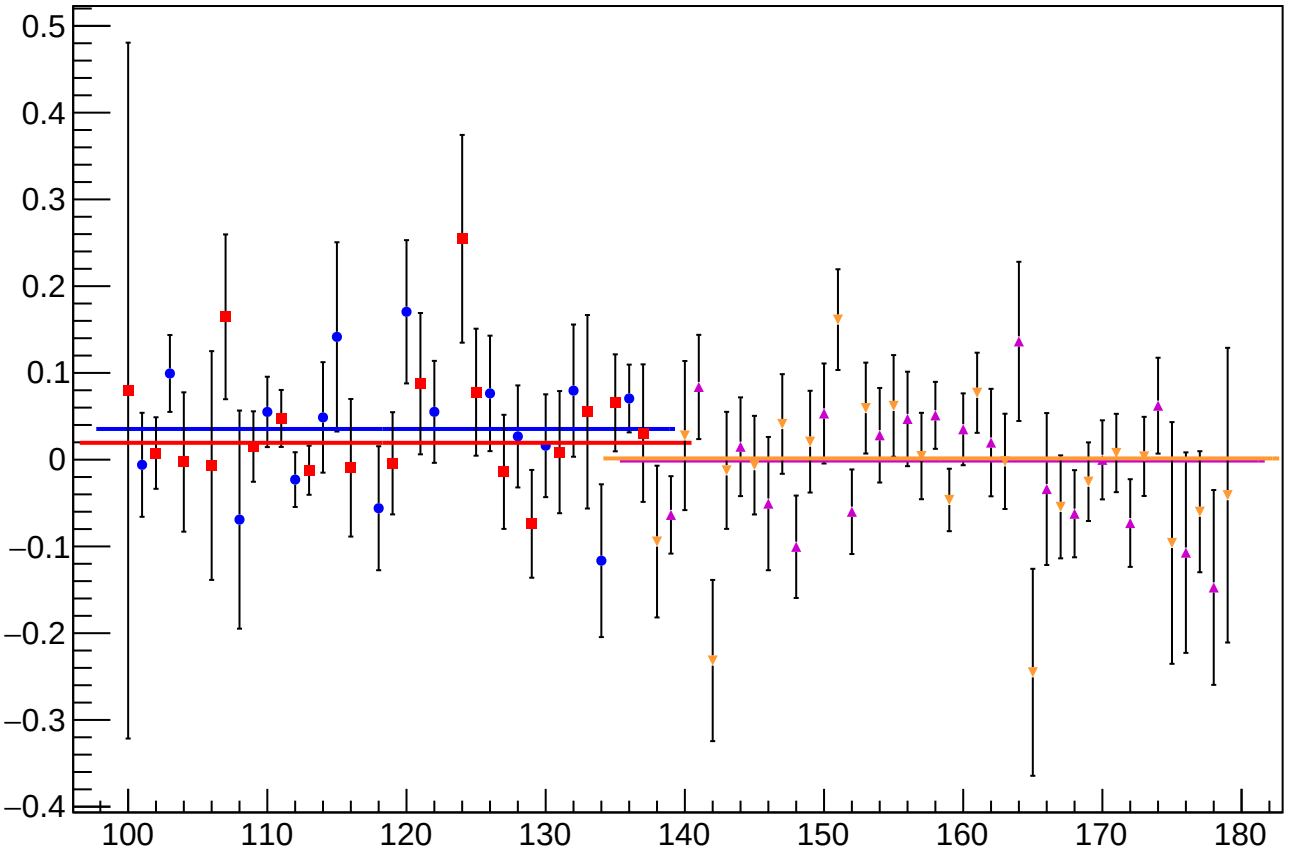
Left In: 0.000+/-0.000 χ^2/NDF:9.4/19

+ sign 0.000+/-0.000 χ^2/NDF: 62.5/37

All: 0.000+/-0.000 χ^2/NDF: 88.0/76

- sign 0.000+/-0.000 χ^2/NDF: 25.3/38


asym_sam_3748_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.0045
0.004
0.0035
0.003
0.0025
0.002
0.0015
0.001
100
110
120
130
140
150
160
170
180
Right In: 0.002+/-0.000 χ²/NDF: 1260485.9/15
Left Out: 0.002+/-0.000 χ²/NDF:2882162.5/21
Right Out: 0.002+/-0.000 χ²/NDF: 2928991.9/18
Left In: 0.002+/-0.000 χ²/NDF:2245896.8/19
+ sign 0.002+/-0.000 χ²/NDF: 4328362.0/37
All: 0.002+/-0.000 χ²/NDF: 11102458.8/76
- sign 0.002+/-0.000 χ²/NDF: 6592260.0/38



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.001+/-0.012 χ^2/NDF:29.4/21

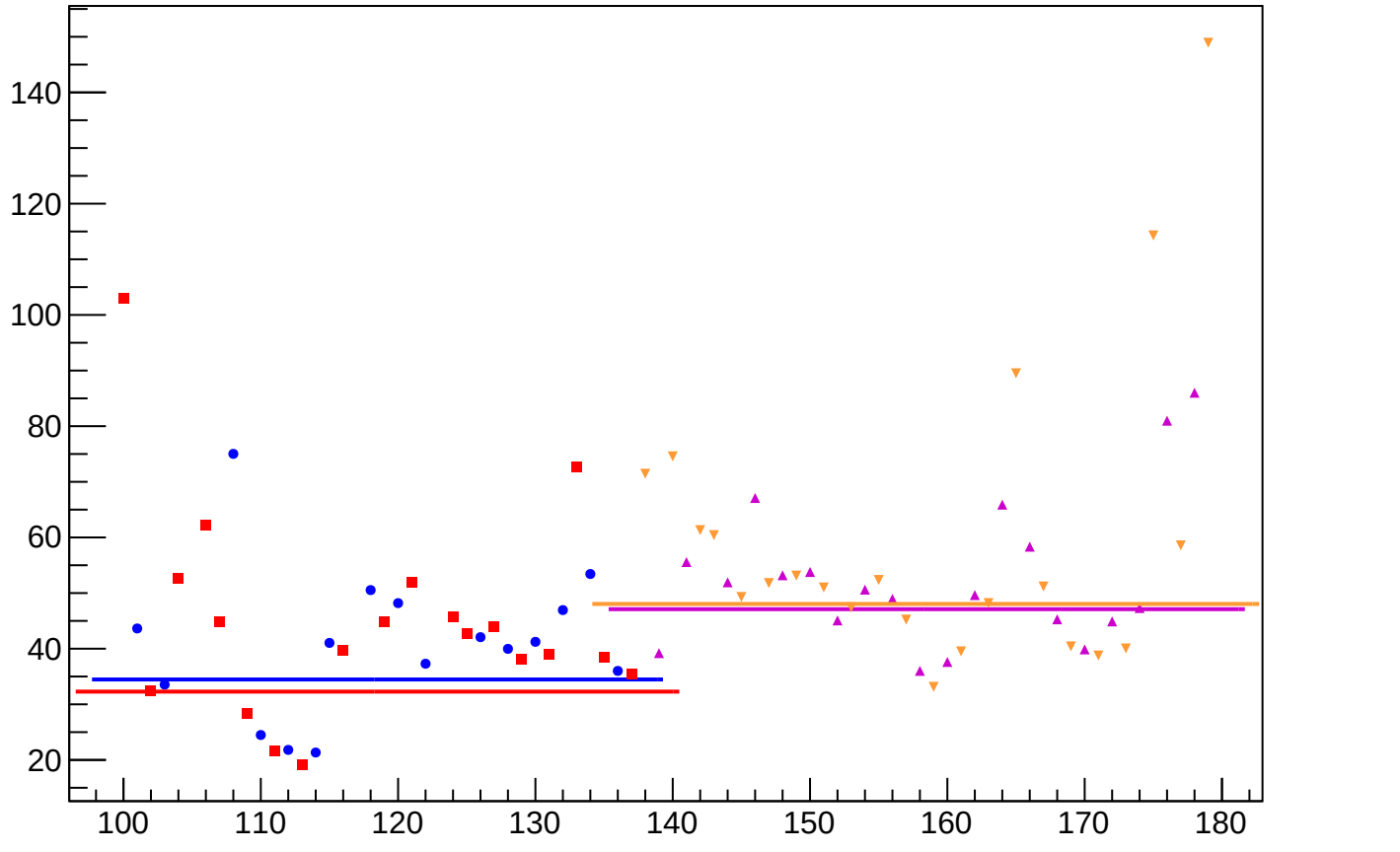
Right Out: 0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: -0.001+/-0.012 χ^2/NDF:23.2/19

+ sign 0.016+/-0.009 χ^2/NDF: 49.7/37

All: 0.012+/-0.006 χ^2/NDF: 87.9/76

- sign 0.009+/-0.009 χ^2/NDF: 37.8/38



Right In: 34.469+/-0.010 χ^2/NDF: 1171158.4/15

Left Out: 48.046+/-0.009 χ^2/NDF:2553749.5/21

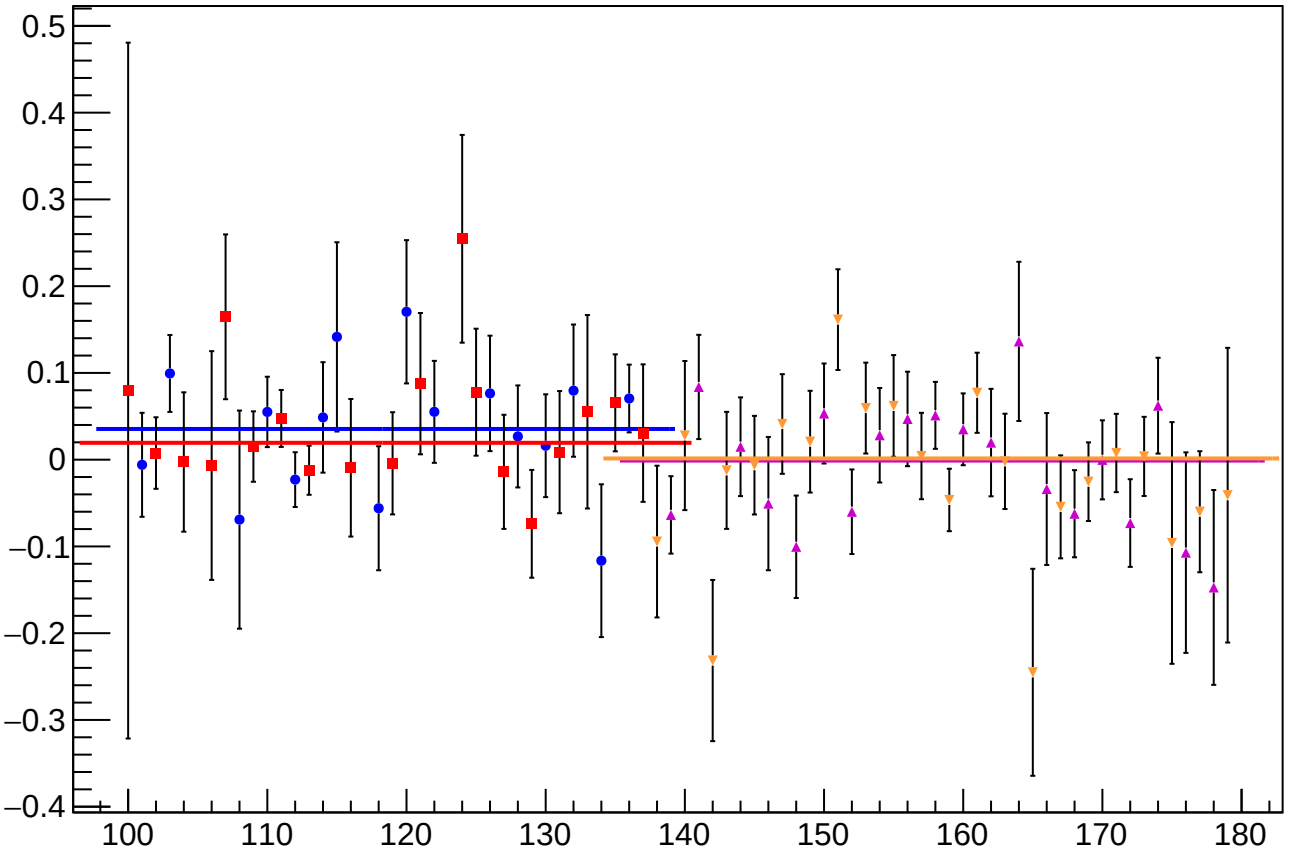
Right Out: 32.285+/-0.009 χ^2/NDF: 1672606.5/18

Left In: 47.103+/-0.009 χ^2/NDF:1173563.3/19

+ sign 42.042+/-0.007 χ^2/NDF: 4790766.8/37

All: 41.042+/-0.005 χ^2/NDF: 9025303.0/76

- sign 40.087+/-0.006 χ^2/NDF: 4188689.3/38



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.001+/-0.012 χ^2/NDF:29.4/21

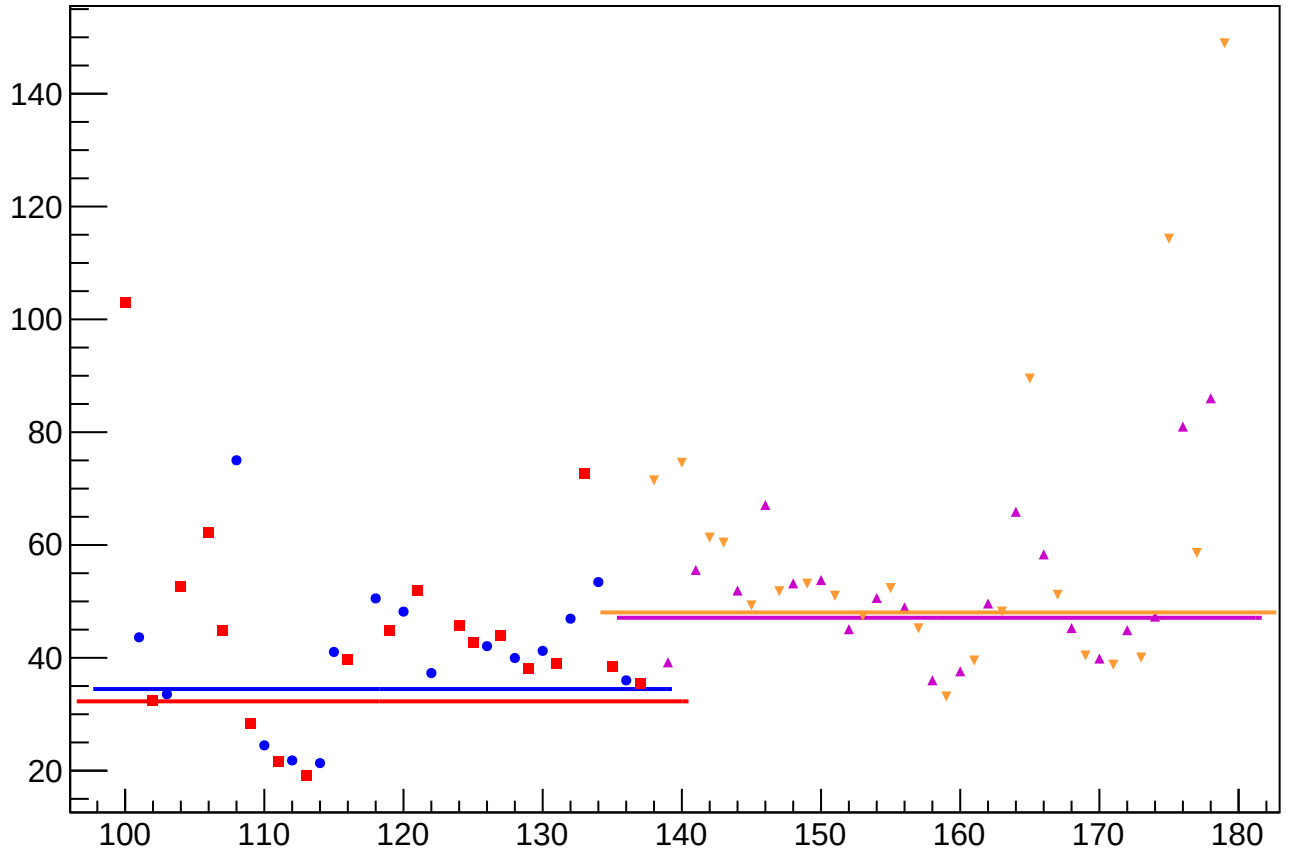
Right Out: 0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: -0.001+/-0.012 χ^2/NDF:23.2/19

+ sign 0.016+/-0.009 χ^2/NDF: 49.7/37

All: 0.012+/-0.006 χ^2/NDF: 87.9/76

- sign 0.009+/-0.009 χ^2/NDF: 37.8/38



Right In: 34.469+/-0.010 χ^2/NDF: 1171158.4/15

Left Out: 48.046+/-0.009 χ^2/NDF:2553749.5/21

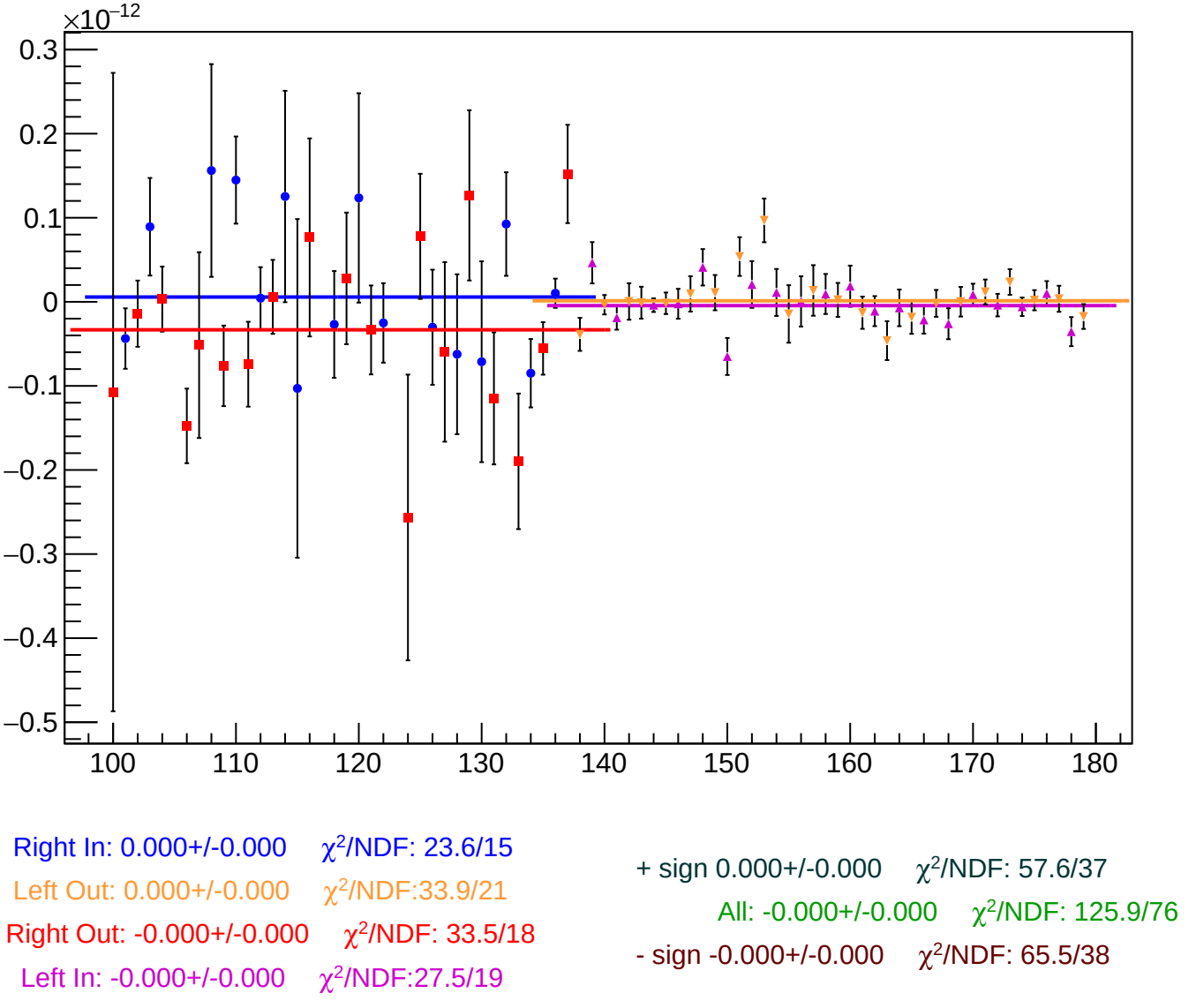
Right Out: 32.285+/-0.009 χ^2/NDF: 1672606.5/18

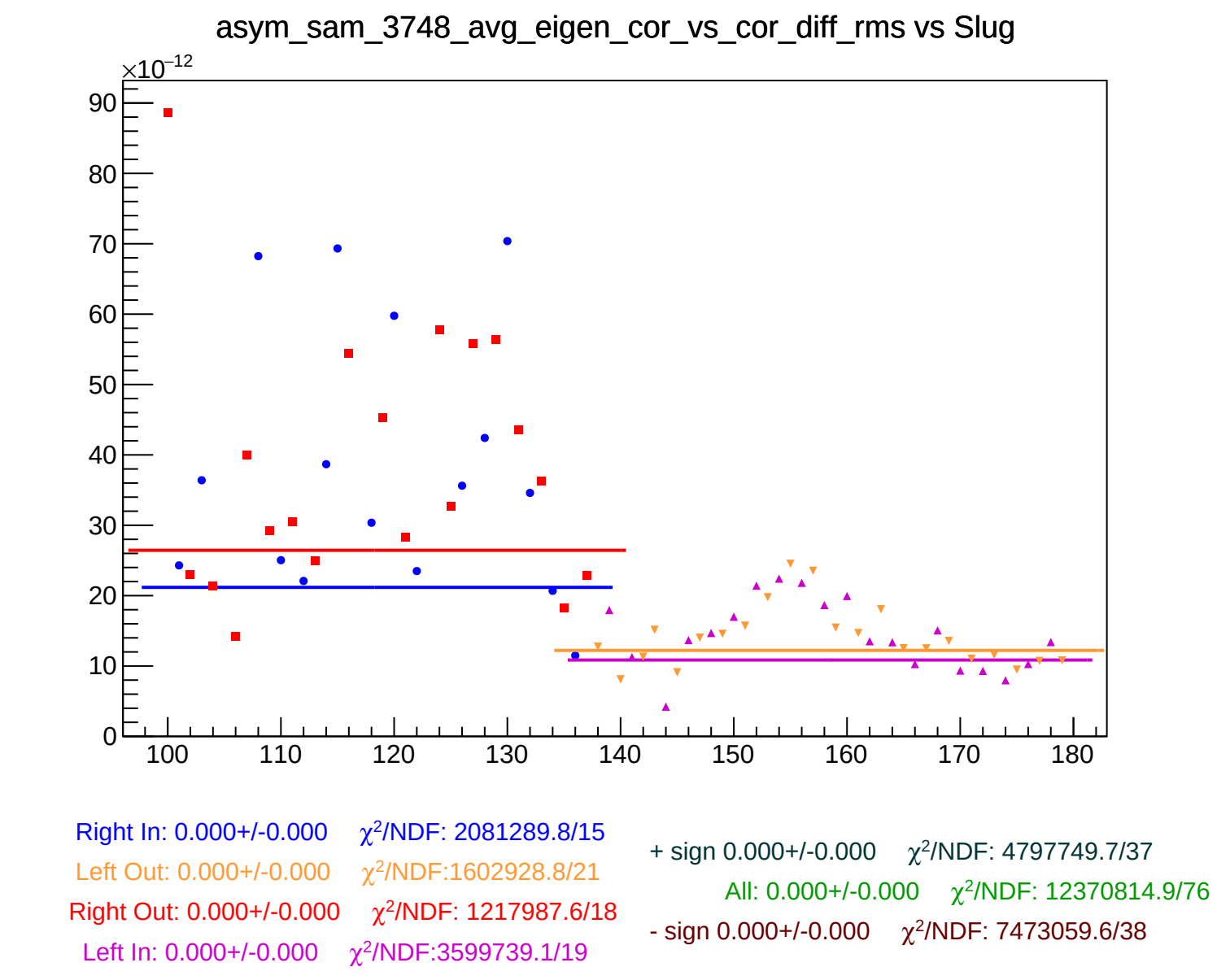
Left In: 47.103+/-0.009 χ^2/NDF:1173563.3/19

+ sign 42.042+/-0.007 χ^2/NDF: 4790766.8/37

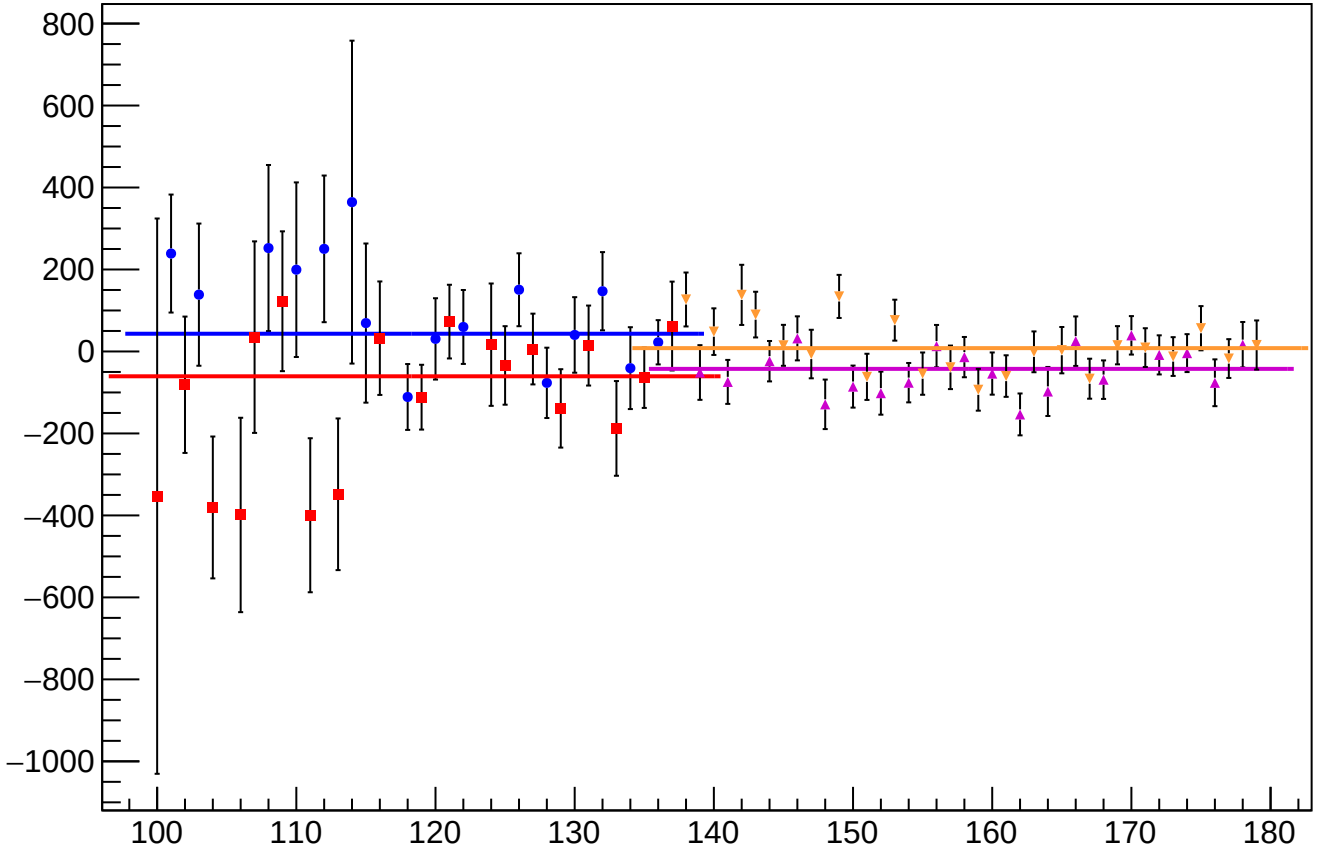
All: 41.042+/-0.005 χ^2/NDF: 9025303.0/76

- sign 40.087+/-0.006 χ^2/NDF: 4188689.3/38


asym_sam_3748_avg_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
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
180
Right In: 0.000+/-0.000 χ²/NDF: 23.6/15
Left Out: 0.000+/-0.000 χ²/NDF:33.9/21
Right Out: -0.000+/-0.000 χ²/NDF: 33.5/18
Left In: -0.000+/-0.000 χ²/NDF:27.5/19
+ sign 0.000+/-0.000 χ²/NDF: 57.6/37
All: -0.000+/-0.000 χ²/NDF: 125.9/76
- sign -0.000+/-0.000 χ²/NDF: 65.5/38


asym_sam_3748_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
90
80
70
60
50
40
30
20
10
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2081289.8/15
Left Out: 0.000+/-0.000 χ²/NDF:1602928.8/21
Right Out: 0.000+/-0.000 χ²/NDF: 1217987.6/18
Left In: 0.000+/-0.000 χ²/NDF:3599739.1/19
+ sign 0.000+/-0.000 χ²/NDF: 4797749.7/37
All: 0.000+/-0.000 χ²/NDF: 12370814.9/76
- sign 0.000+/-0.000 χ²/NDF: 7473059.6/38

reg_asym_sam_1526_avg_mean vs Slug



Right In: 43.247+/-25.781 χ^2/NDF: 15.0/15

Left Out: 8.116+/-11.267 χ^2/NDF:30.0/21

Right Out: -60.582+/-26.894 χ^2/NDF: 20.4/18

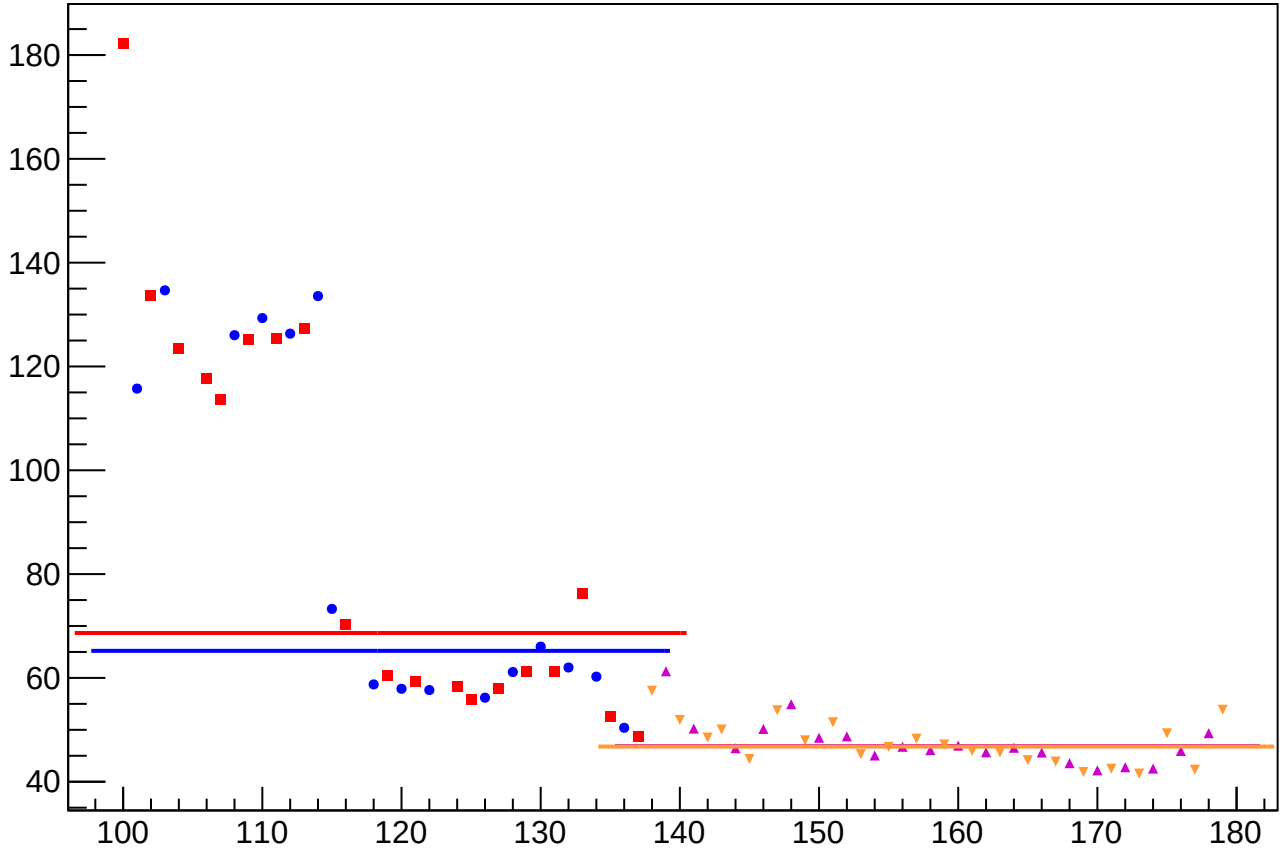
Left In: -42.468+/-11.681 χ^2/NDF:21.4/19

+ sign 13.750+/-10.324 χ^2/NDF: 46.5/37

All: -14.702+/-7.434 χ^2/NDF: 104.5/76

- sign -45.343+/-10.714 χ^2/NDF: 42.2/38

reg_asym_sam_1526_avg_rms vs Slug



Right In: 65.212+/-0.018 χ^2/NDF: 1446504.6/15

Left Out: 46.774+/-0.008 χ^2/NDF:254376.5/21

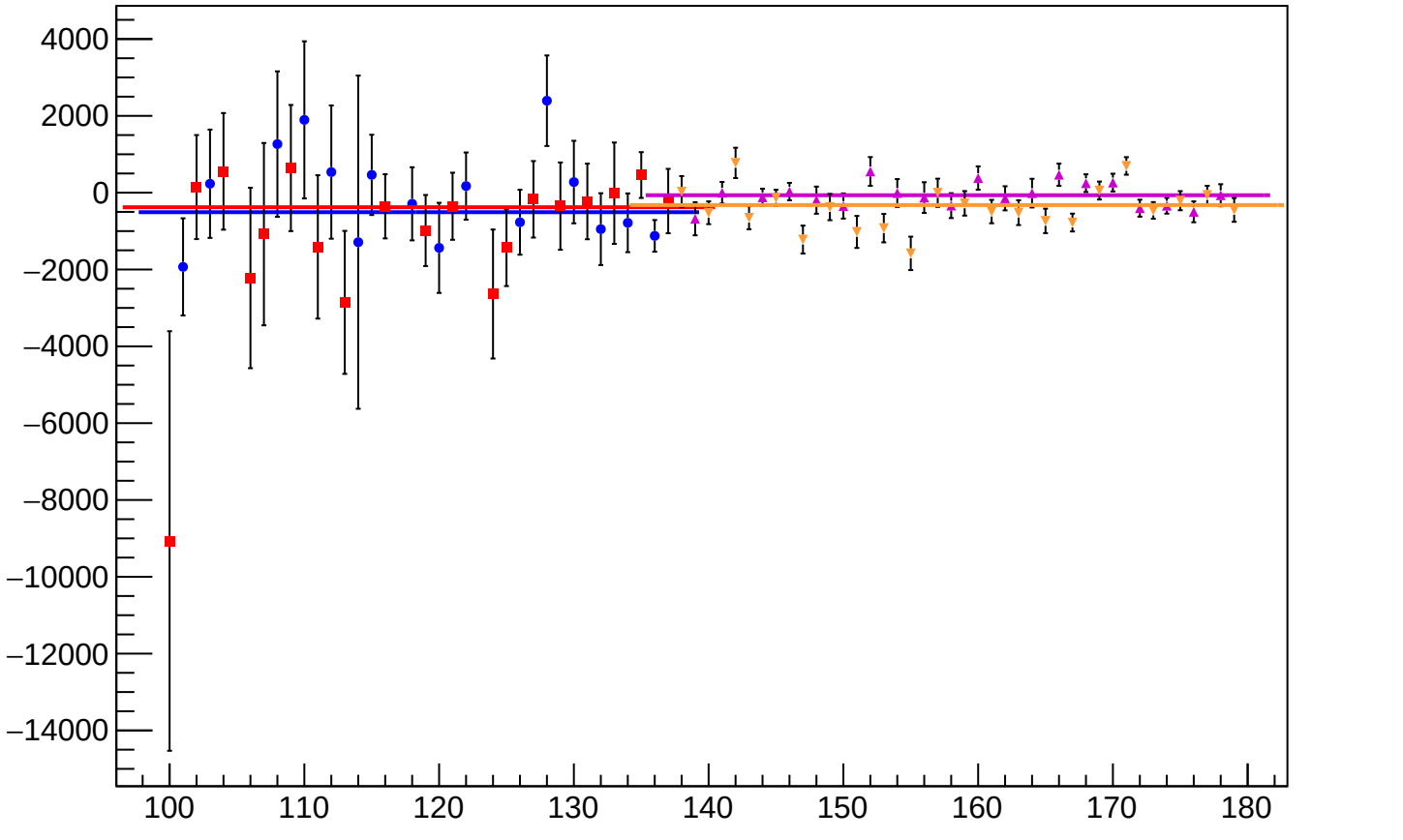
Right Out: 68.656+/-0.019 χ^2/NDF: 1640900.1/18

Left In: 46.865+/-0.008 χ^2/NDF:220842.5/19

+ sign 49.731+/-0.007 χ^2/NDF: 2559854.0/37

All: 50.016+/-0.005 χ^2/NDF: 5529438.1/76

- sign 50.323+/-0.008 χ^2/NDF: 2966416.0/38



Right In: -507.928+/-236.945 χ^2/NDF: 15.6/15

Left Out: -321.788+/-61.958 χ^2/NDF:62.3/21

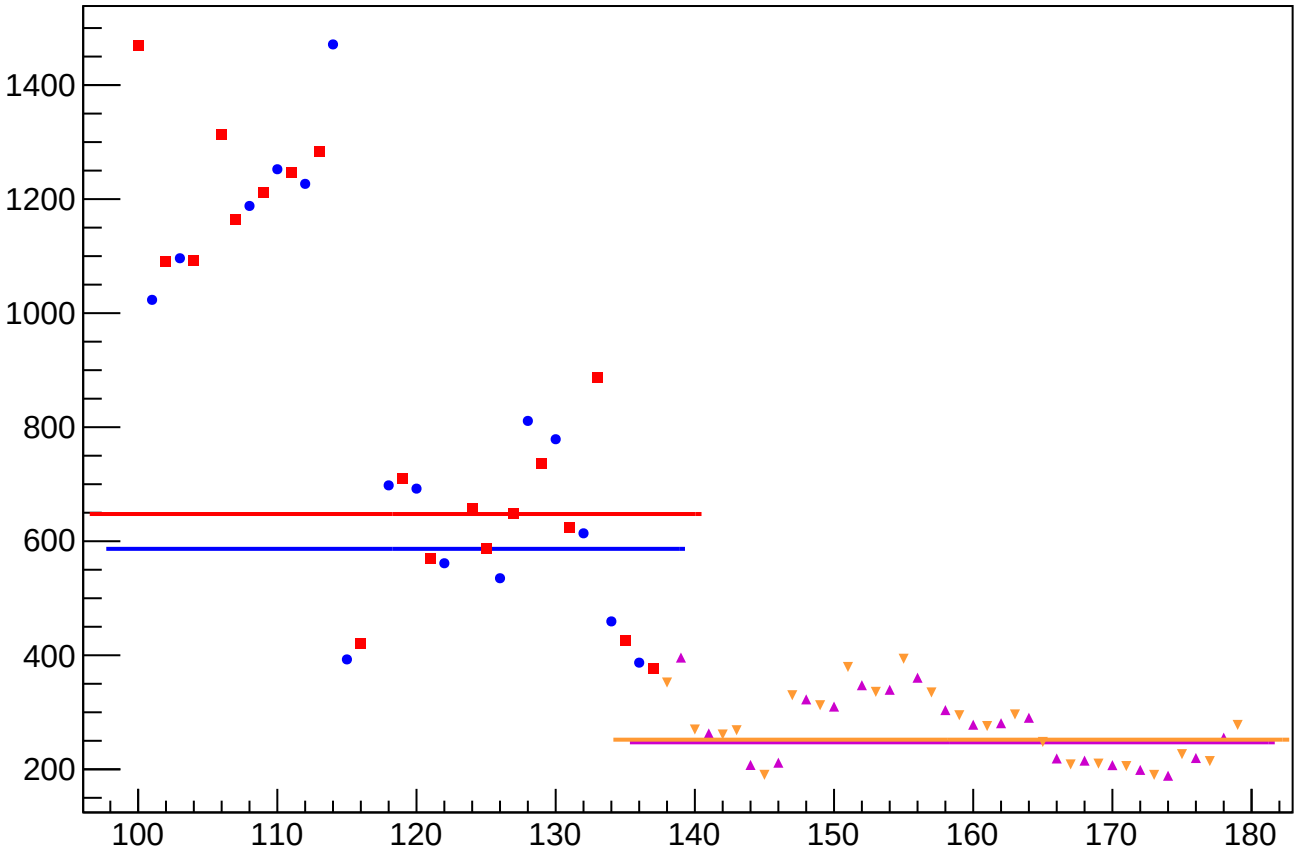
Right Out: -378.892+/-256.407 χ^2/NDF: 11.7/18

Left In: -65.809+/-62.903 χ^2/NDF:22.8/19

+ sign -333.701+/-59.943 χ^2/NDF: 78.5/37

All: -211.016+/-42.786 χ^2/NDF: 123.0/76

- sign -83.582+/-61.091 χ^2/NDF: 35.9/38



Right In: 586.645+/-0.168 χ^2/NDF: 2053133.2/15

Left Out: 251.981+/-0.044 χ^2/NDF:1613444.3/21

Right Out: 647.736+/-0.181 χ^2/NDF: 2105638.0/18

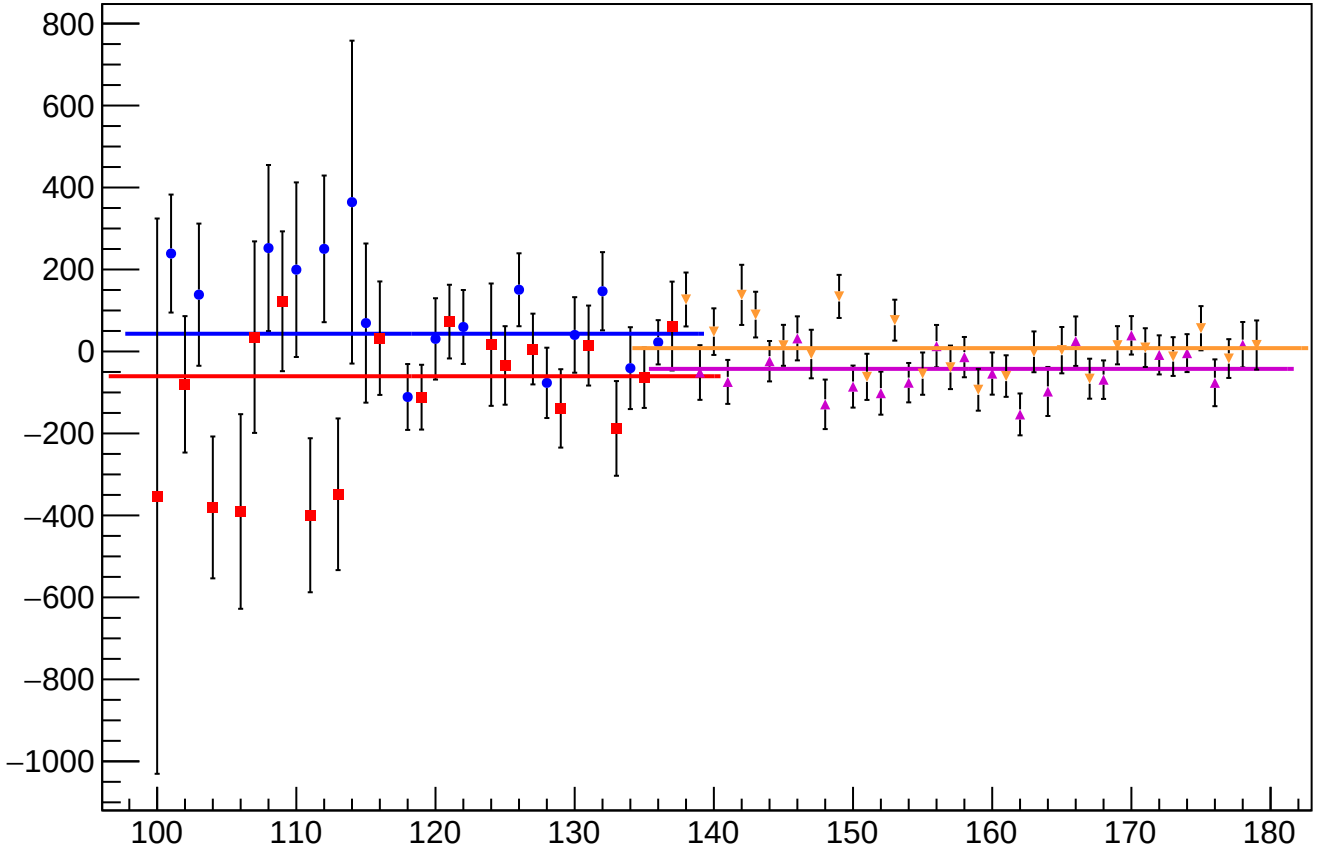
Left In: 247.323+/-0.044 χ^2/NDF:1482604.3/19

+ sign 273.399+/-0.042 χ^2/NDF: 7401068.0/37

All: 271.758+/-0.030 χ^2/NDF: 15592868.1/76

- sign 270.053+/-0.043 χ^2/NDF: 8188744.0/38

cor_asym_sam_1526_avg_mean vs Slug



Right In: 43.239+/-25.781 χ^2/NDF: 15.0/15

Left Out: 8.117+/-11.267 χ^2/NDF:30.0/21

Right Out: -60.432+/-26.895 χ^2/NDF: 20.3/18

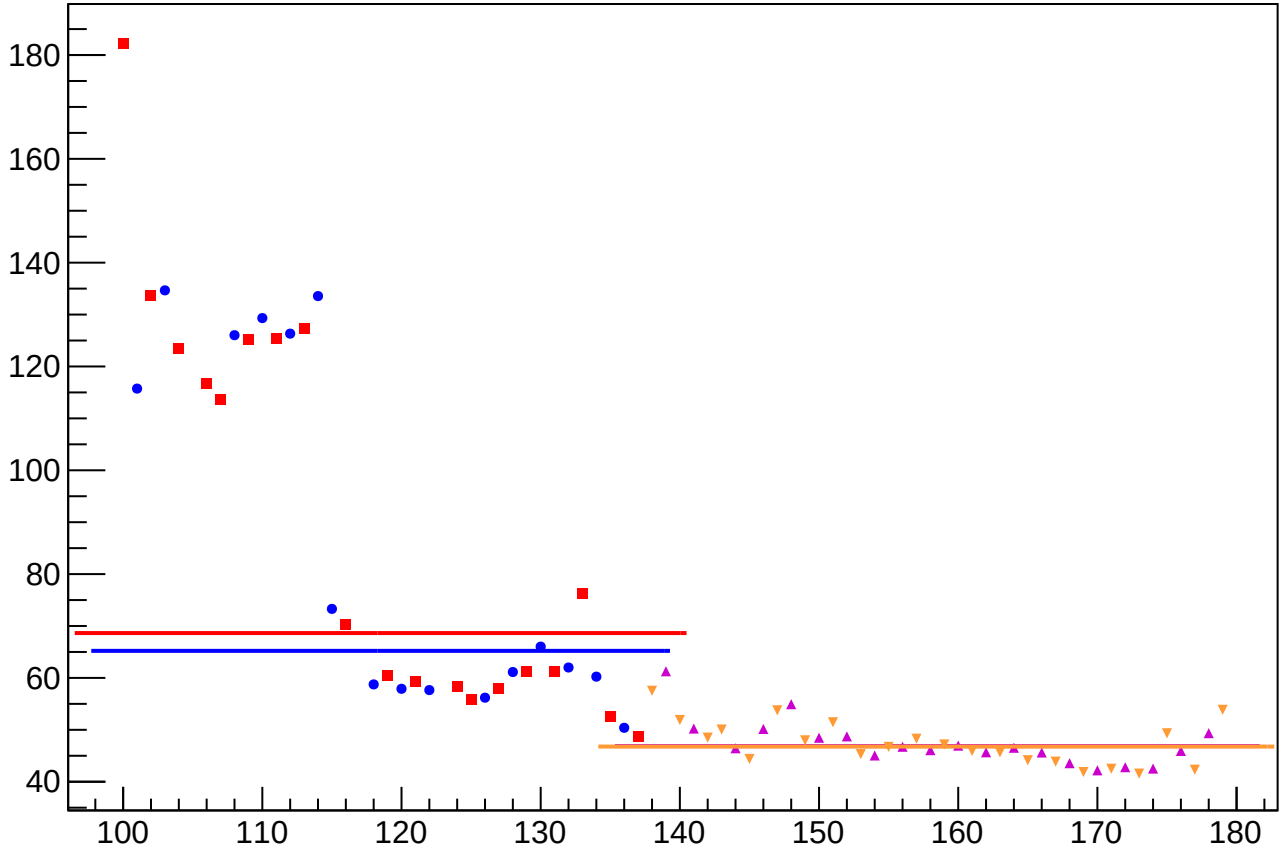
Left In: -42.468+/-11.681 χ^2/NDF:21.4/19

+ sign 13.750+/-10.324 χ^2/NDF: 46.5/37

All: -14.690+/-7.434 χ^2/NDF: 104.3/76

- sign -45.319+/-10.714 χ^2/NDF: 42.1/38

cor_asym_sam_1526_avg_rms vs Slug



Right In: 65.212+/-0.018 χ^2/NDF: 1446506.9/15

Left Out: 46.774+/-0.008 χ^2/NDF:254376.5/21

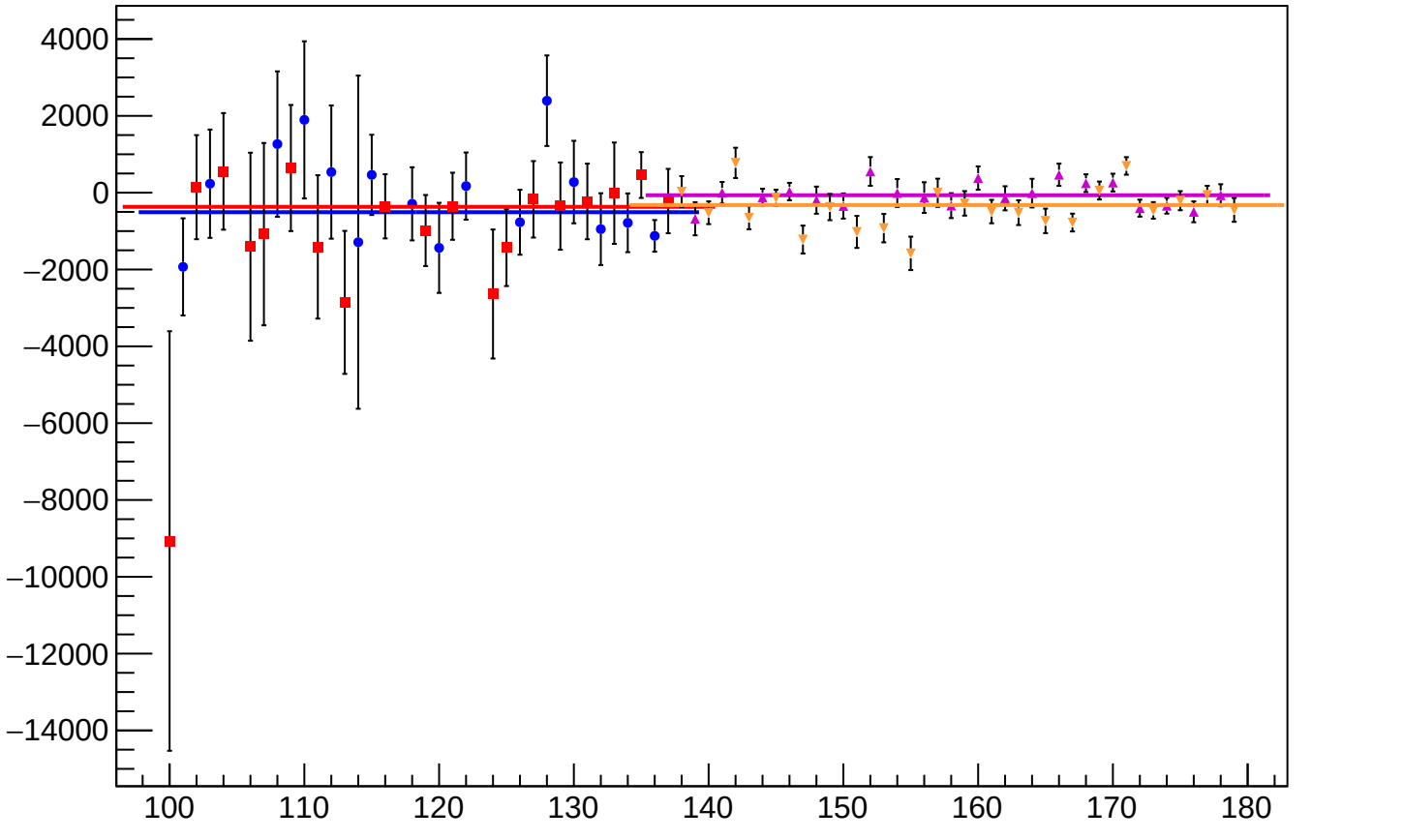
Right Out: 68.642+/-0.019 χ^2/NDF: 1637558.1/18

Left In: 46.865+/-0.008 χ^2/NDF:220842.5/19

+ sign 49.731+/-0.007 χ^2/NDF: 2559856.0/37

All: 50.015+/-0.005 χ^2/NDF: 5524556.5/76

- sign 50.321+/-0.008 χ^2/NDF: 2961558.7/38



Right In: -507.911+/-236.945 χ^2/NDF: 15.6/15

Left Out: -321.784+/-61.958 χ^2/NDF:62.3/21

Right Out: -368.334+/-256.534 χ^2/NDF: 11.3/18

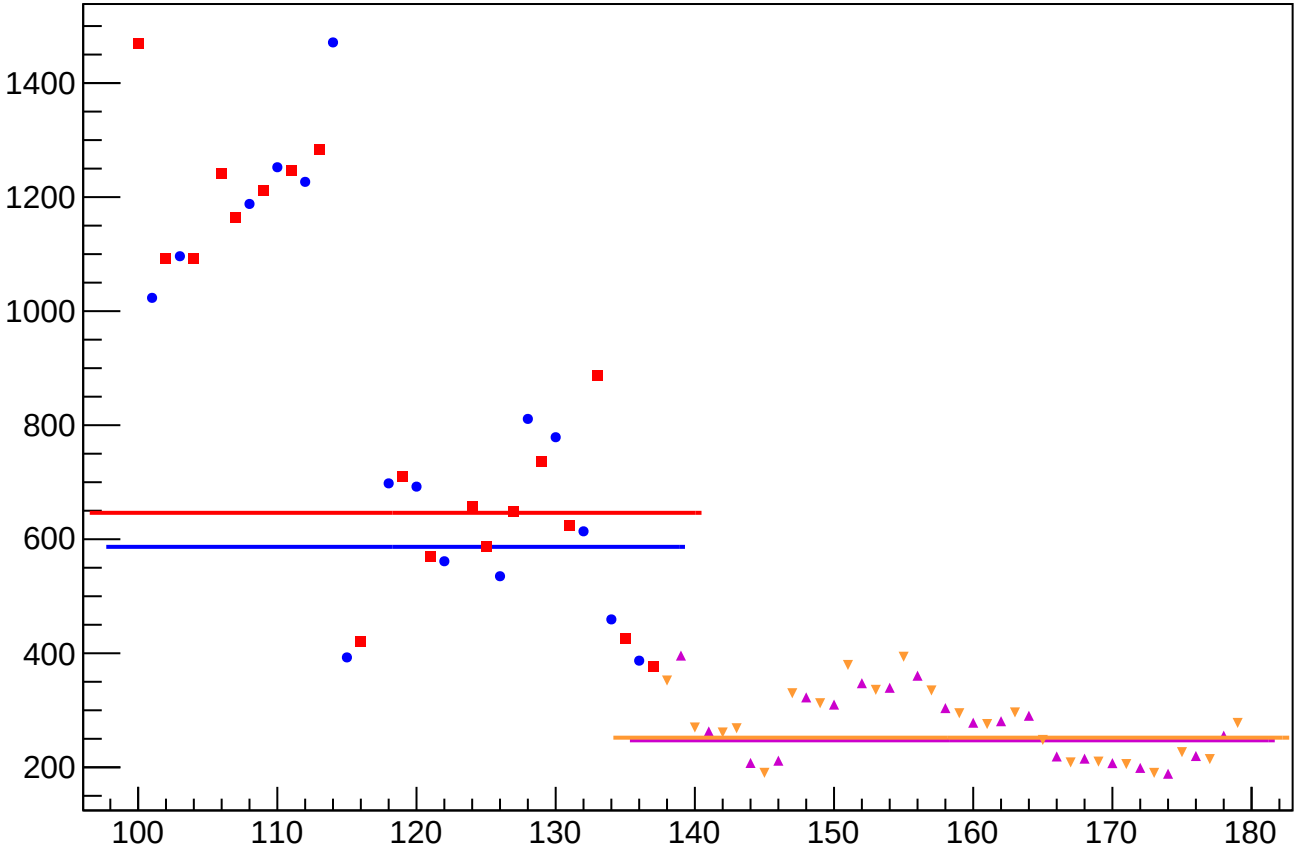
Left In: -65.807+/-62.903 χ^2/NDF:22.8/19

+ sign -333.696+/-59.942 χ^2/NDF: 78.5/37

All: -210.714+/-42.787 χ^2/NDF: 122.5/76

- sign -82.965+/-61.093 χ^2/NDF: 35.4/38

asym_sam_1526_avg_cor_correction_rms vs Slug



Right In: 586.645+/-0.168 χ^2/NDF: 2053169.7/15

Left Out: 251.980+/-0.044 χ^2/NDF:1613456.1/21

Right Out: 646.328+/-0.181 χ^2/NDF: 2063185.3/18

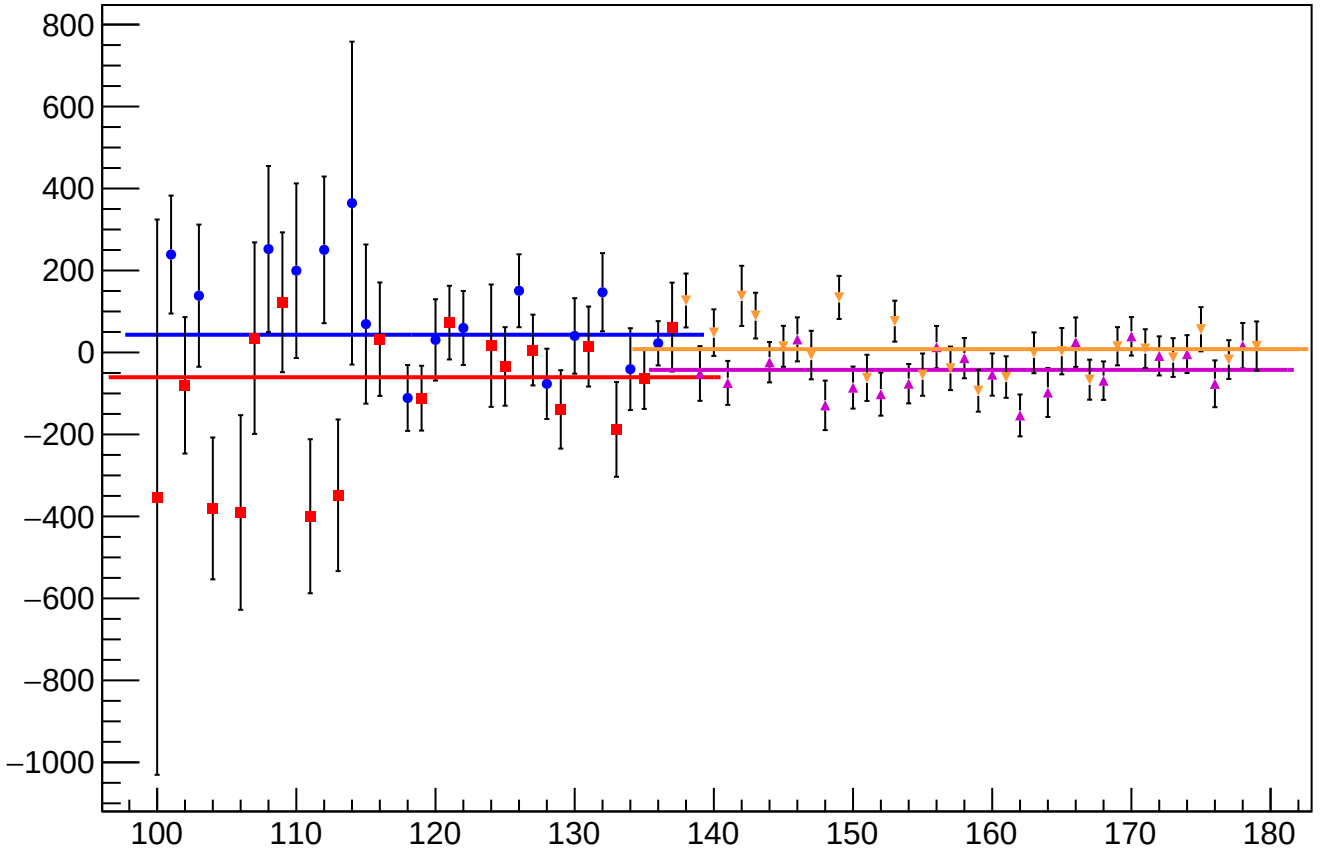
Left In: 247.323+/-0.044 χ^2/NDF:1482599.2/19

+ sign 273.399+/-0.042 χ^2/NDF: 7401106.7/37

All: 271.708+/-0.030 χ^2/NDF: 15514071.7/76

- sign 269.952+/-0.043 χ^2/NDF: 8109722.5/38

eigen_cor_asym_sam_1526_avg_mean vs Slug



Right In: 43.239+/-25.781 χ^2/NDF: 15.0/15

Left Out: 8.117+/-11.267 χ^2/NDF:30.0/21

Right Out: -60.432+/-26.895 χ^2/NDF: 20.3/18

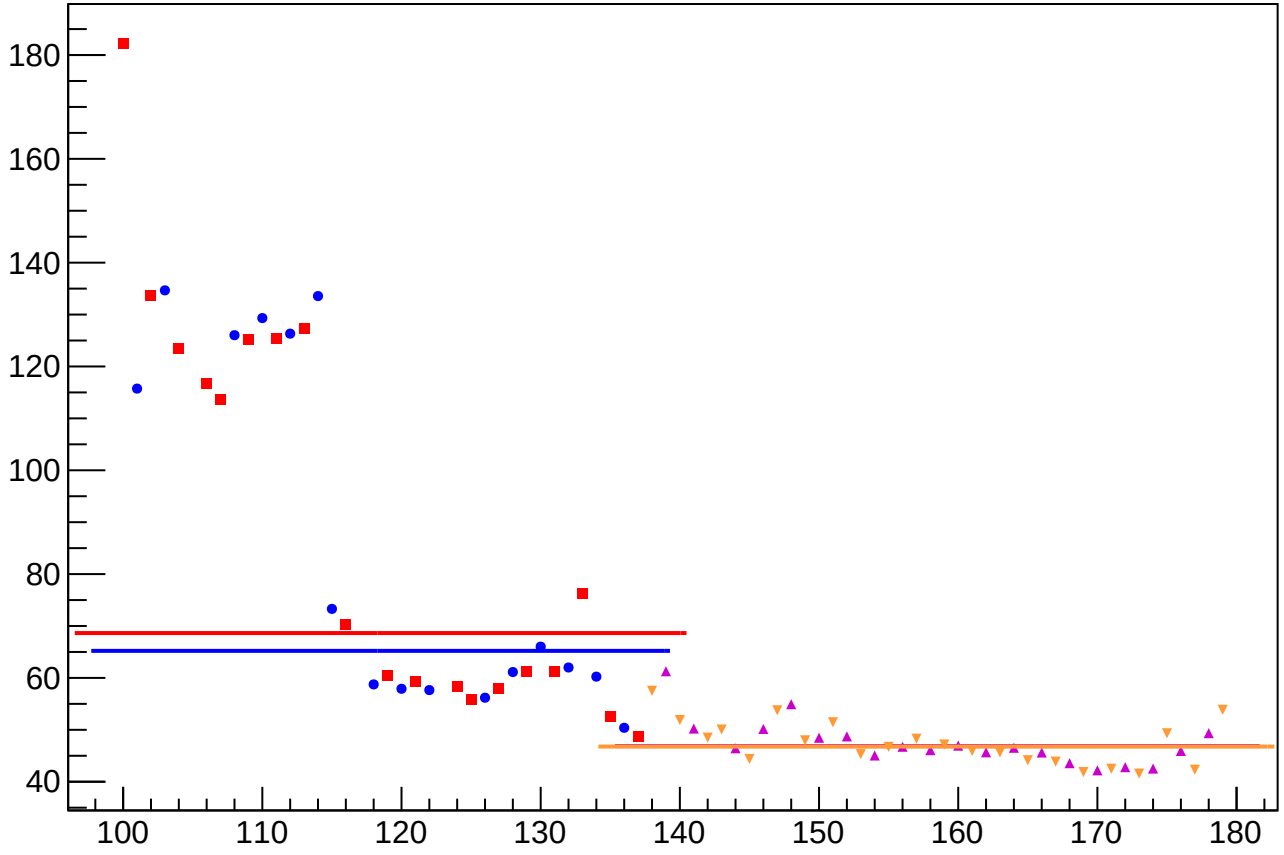
Left In: -42.468+/-11.681 χ^2/NDF:21.4/19

+ sign 13.750+/-10.324 χ^2/NDF: 46.5/37

All: -14.690+/-7.434 χ^2/NDF: 104.3/76

- sign -45.319+/-10.714 χ^2/NDF: 42.1/38

eigen_cor_asym_sam_1526_avg_rms vs Slug



Right In: 65.212+/-0.018 χ^2/NDF: 1446506.9/15

Left Out: 46.774+/-0.008 χ^2/NDF:254376.5/21

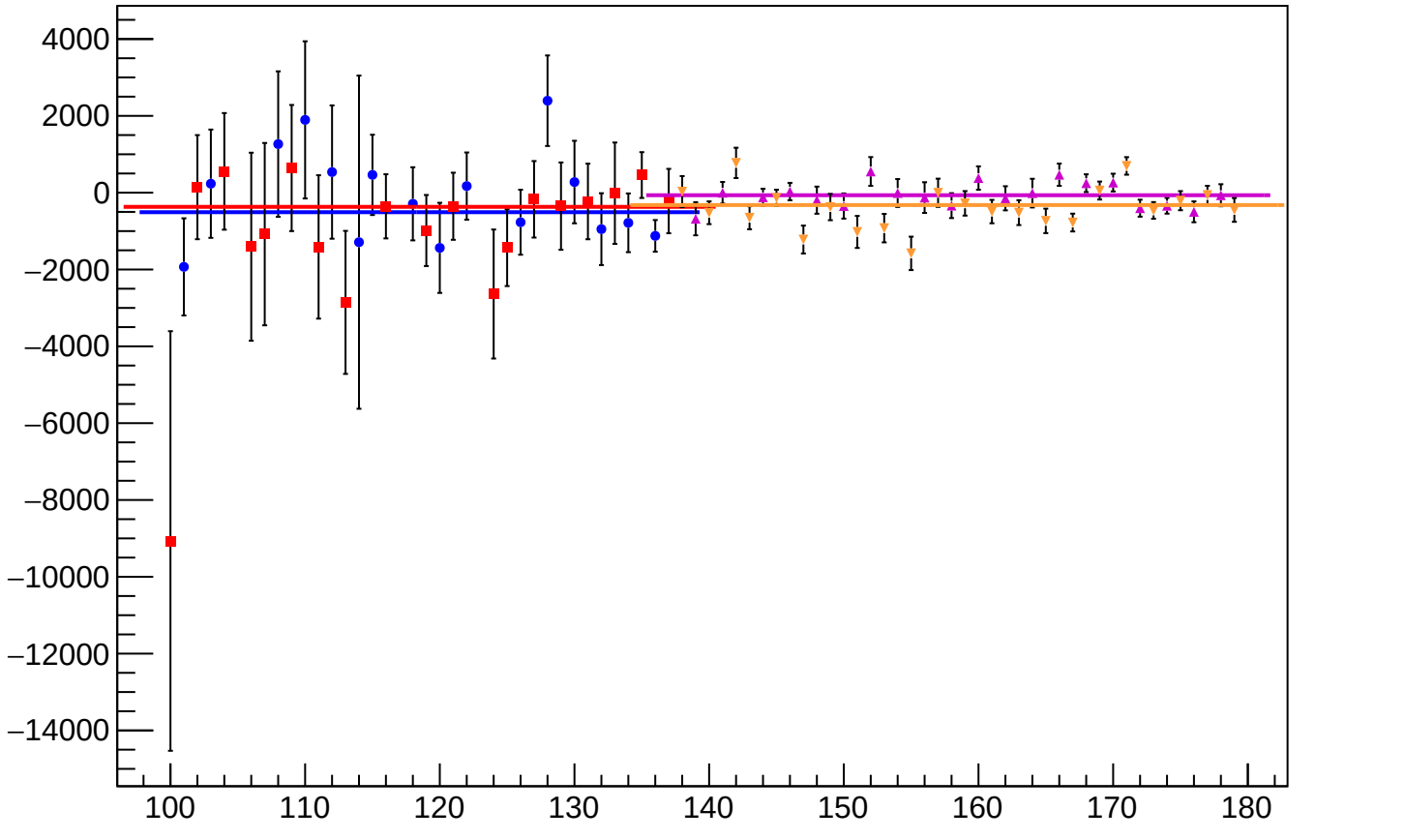
Right Out: 68.642+/-0.019 χ^2/NDF: 1637558.1/18

Left In: 46.865+/-0.008 χ^2/NDF:220842.5/19

+ sign 49.731+/-0.007 χ^2/NDF: 2559856.0/37

All: 50.015+/-0.005 χ^2/NDF: 5524556.5/76

- sign 50.321+/-0.008 χ^2/NDF: 2961558.7/38



Right In: -507.911+/-236.945 χ^2/NDF: 15.6/15

Left Out: -321.784+/-61.958 χ^2/NDF:62.3/21

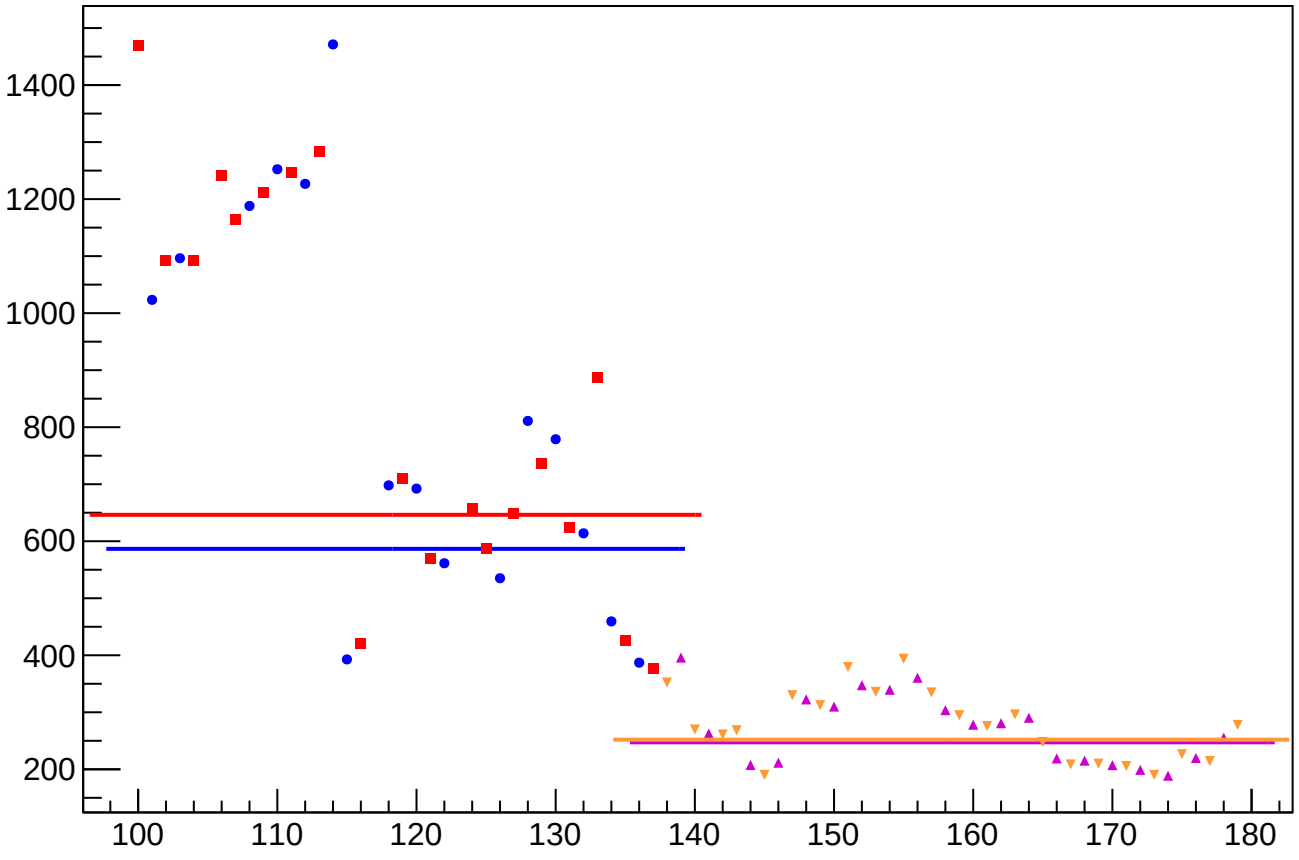
Right Out: -368.334+/-256.534 χ^2/NDF: 11.3/18

Left In: -65.807+/-62.903 χ^2/NDF:22.8/19

+ sign -333.696+/-59.942 χ^2/NDF: 78.5/37

All: -210.714+/-42.787 χ^2/NDF: 122.5/76

- sign -82.965+/-61.093 χ^2/NDF: 35.4/38



Right In: 586.645+/-0.168 χ^2/NDF: 2053169.7/15

Left Out: 251.980+/-0.044 χ^2/NDF:1613456.1/21

Right Out: 646.328+/-0.181 χ^2/NDF: 2063185.3/18

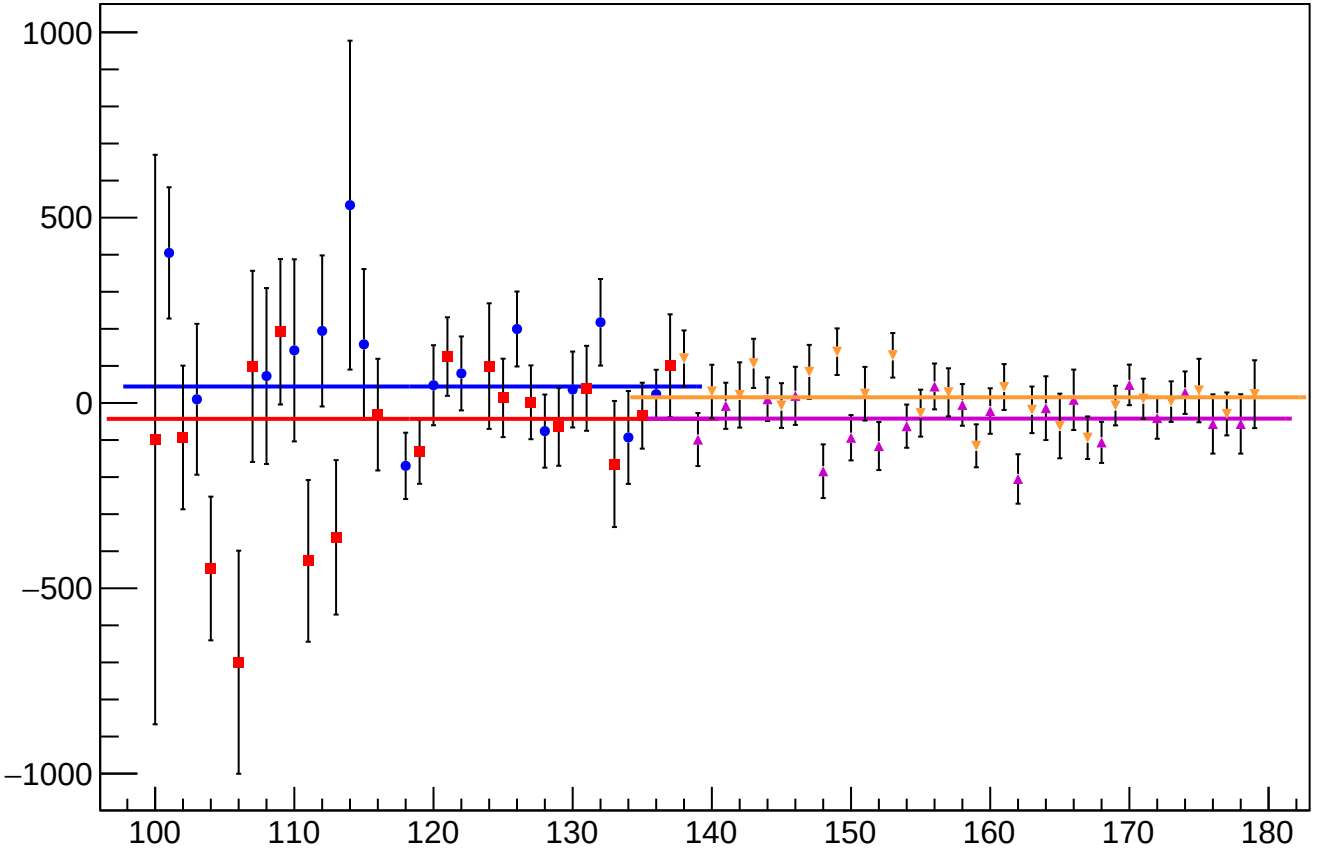
Left In: 247.323+/-0.044 χ^2/NDF:1482599.2/19

+ sign 273.399+/-0.042 χ^2/NDF: 7401106.7/37

All: 271.708+/-0.030 χ^2/NDF: 15514071.7/76

- sign 269.952+/-0.043 χ^2/NDF: 8109722.5/38

dit_asym_sam_1526_avg_mean vs Slug



Right In: 44.387+/-29.909 χ^2/NDF: 19.6/15

Left Out: 15.335+/-13.841 χ^2/NDF:23.7/21

Right Out: -42.901+/-31.248 χ^2/NDF: 23.3/18

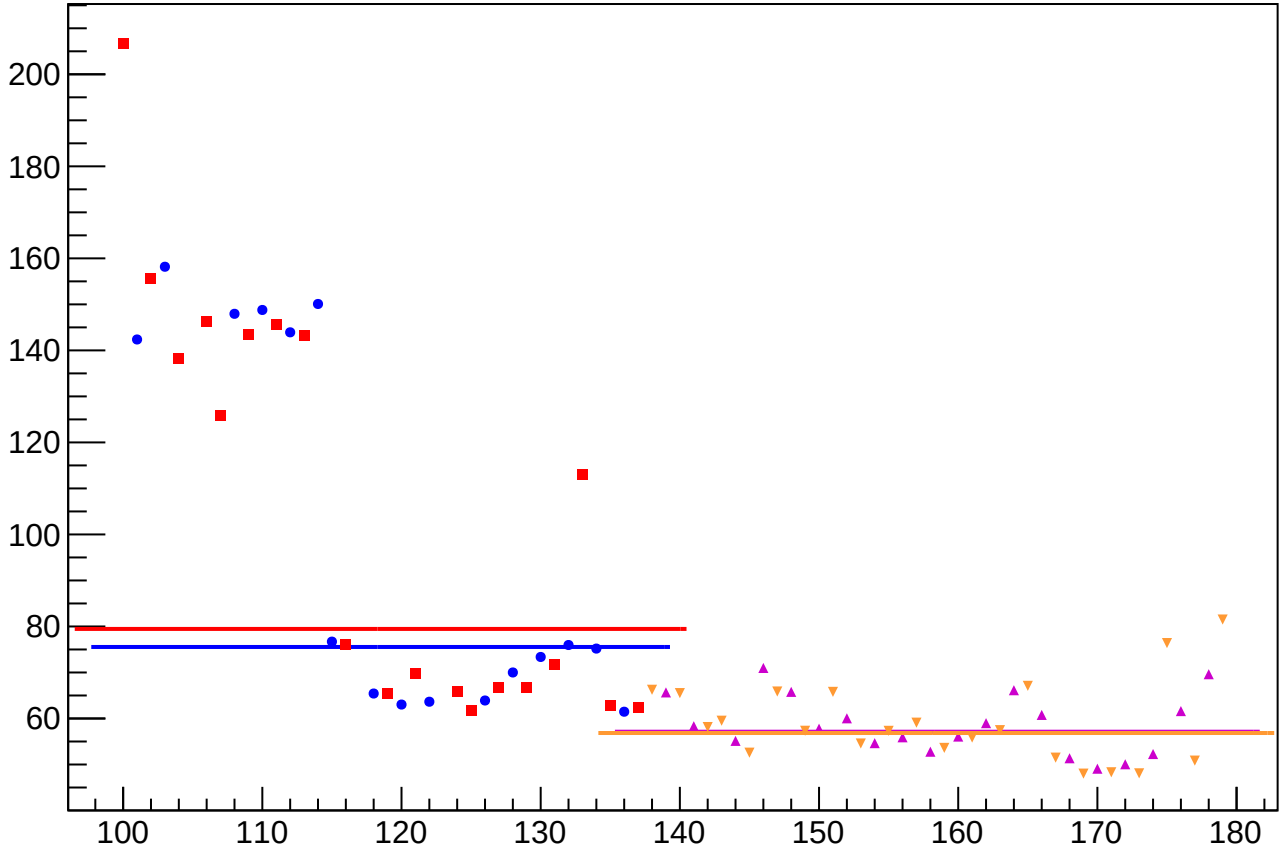
Left In: -42.178+/-14.365 χ^2/NDF:22.9/19

+ sign 20.459+/-12.561 χ^2/NDF: 44.1/37

All: -9.719+/-9.051 χ^2/NDF: 102.3/76

- sign -42.304+/-13.052 χ^2/NDF: 46.2/38

dit_asym_sam_1526_avg_rms vs Slug



Right In: 75.544+/-0.021 χ^2/NDF: 1465550.9/15

Left Out: 56.846+/-0.010 χ^2/NDF:618311.6/21

Right Out: 79.465+/-0.022 χ^2/NDF: 1683634.3/18

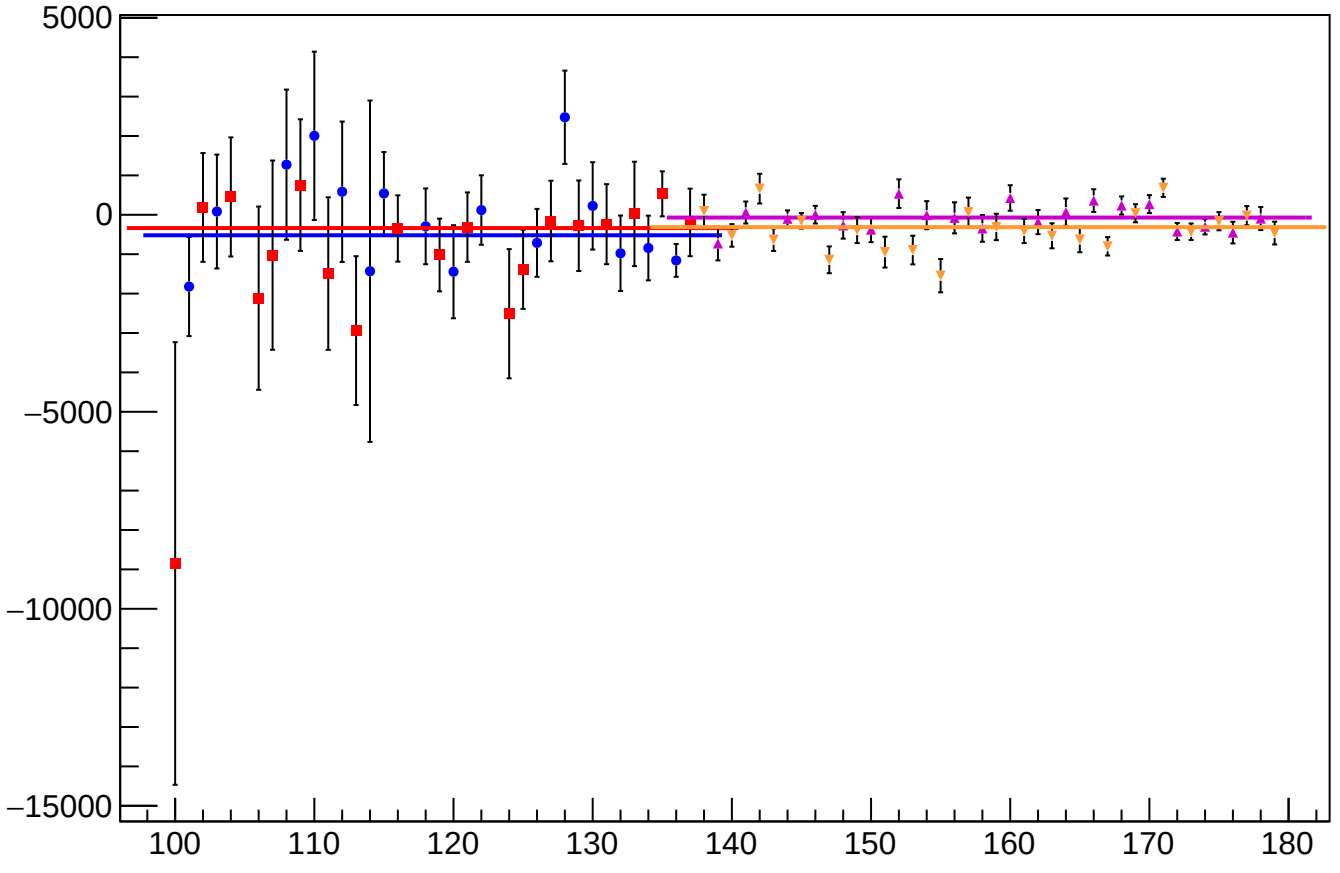
Left In: 57.130+/-0.010 χ^2/NDF:337568.3/19

+ sign 60.144+/-0.009 χ^2/NDF: 2727688.8/37

All: 60.569+/-0.006 χ^2/NDF: 5597145.9/76

- sign 61.027+/-0.009 χ^2/NDF: 2864704.8/38

asym_sam_1526_avg_dit_correction_mean vs Slug



Right In: -519.250+/-241.317 χ^2/NDF: 15.8/15

Left Out: -313.203+/-60.490 χ^2/NDF:60.2/21

Right Out: -336.731+/-256.618 χ^2/NDF: 11.9/18

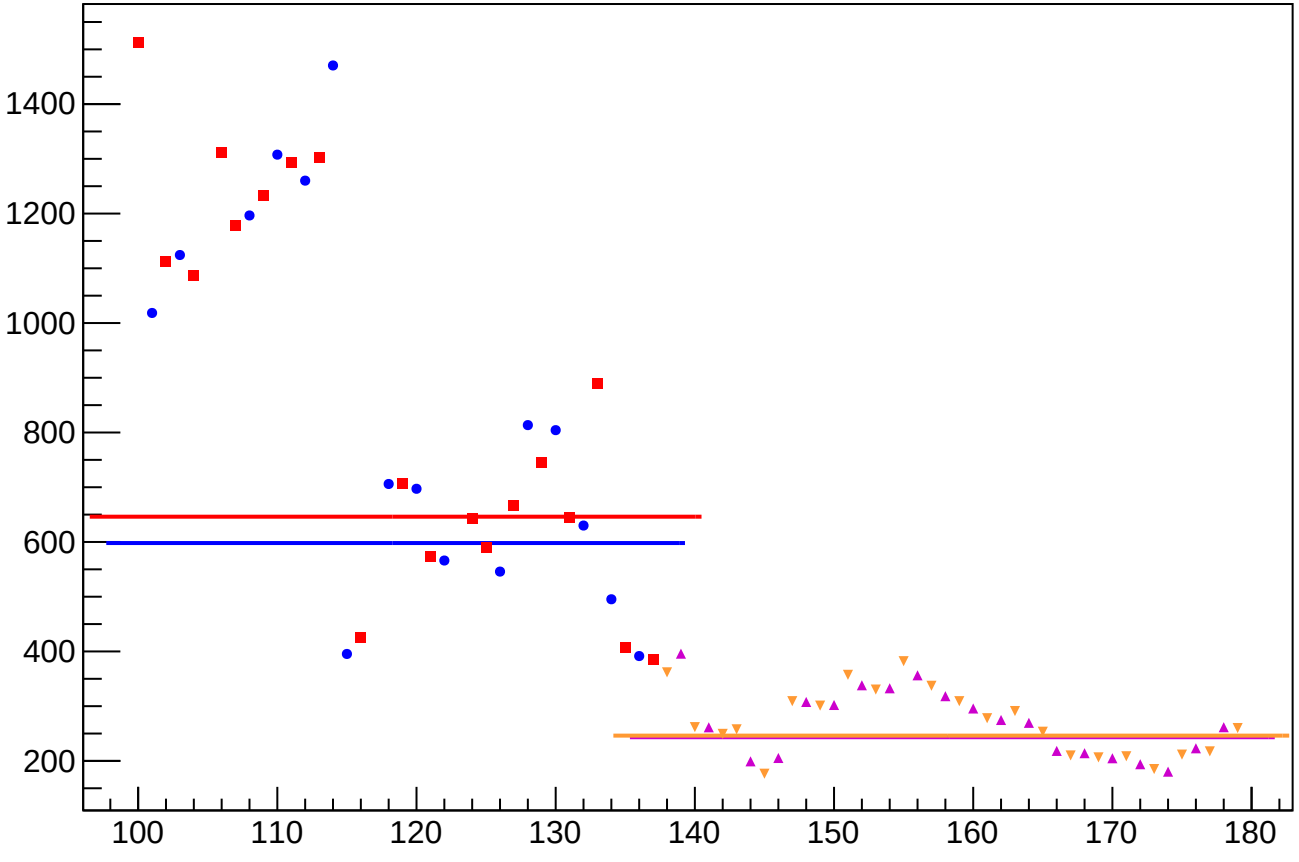
Left In: -70.299+/-61.978 χ^2/NDF:22.3/19

+ sign -325.384+/-58.674 χ^2/NDF: 76.6/37

All: -208.360+/-42.034 χ^2/NDF: 120.0/76

- sign -84.983+/-60.246 χ^2/NDF: 35.2/38

asym_sam_1526_avg_dit_correction_rms vs Slug



Right In: 598.044+/-0.171 χ^2/NDF: 2047825.1/15

Left Out: 246.198+/-0.043 χ^2/NDF:1678433.5/21

Right Out: 646.190+/-0.181 χ^2/NDF: 2205437.4/18

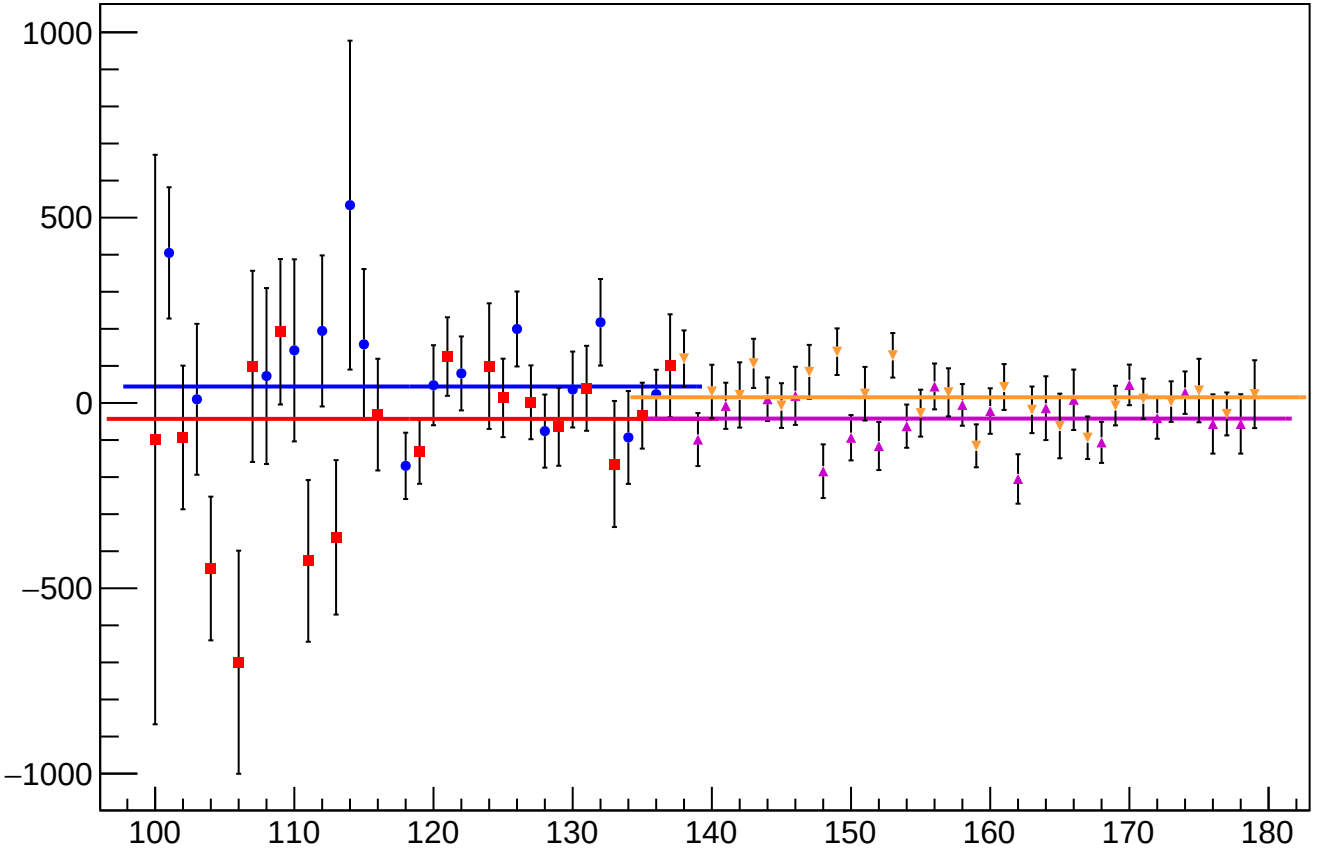
Left In: 243.258+/-0.044 χ^2/NDF:1586441.8/19

+ sign 266.999+/-0.041 χ^2/NDF: 7726586.4/37

All: 266.253+/-0.030 χ^2/NDF: 16178184.3/76

- sign 265.466+/-0.043 χ^2/NDF: 8450933.8/38

eigen_dit_asym_sam_1526_avg_mean vs Slug



Right In: 44.389+/-29.908 χ^2/NDF: 19.6/15

Left Out: 15.334+/-13.841 χ^2/NDF:23.7/21

Right Out: -42.900+/-31.248 χ^2/NDF: 23.3/18

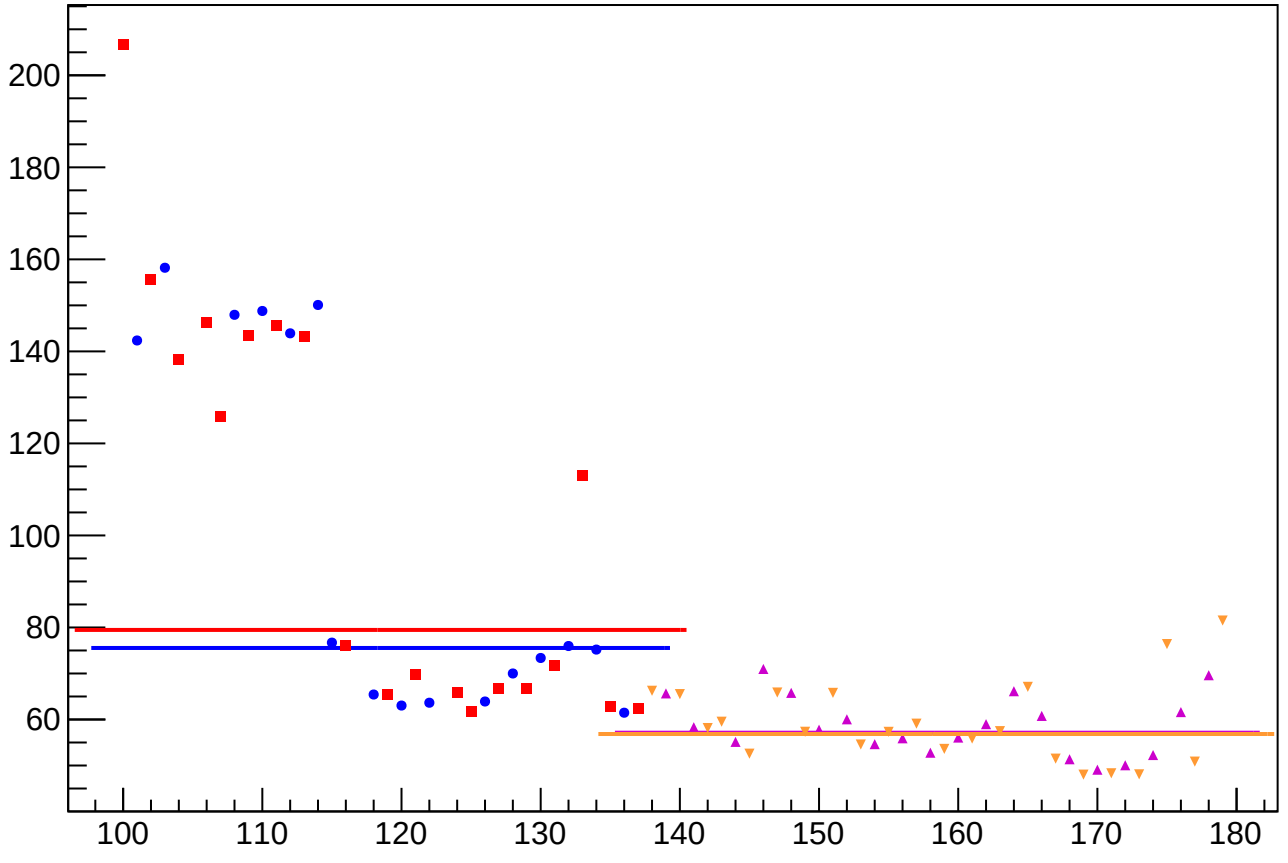
Left In: -42.177+/-14.365 χ^2/NDF:22.9/19

+ sign 20.459+/-12.561 χ^2/NDF: 44.1/37

All: -9.719+/-9.051 χ^2/NDF: 102.3/76

- sign -42.303+/-13.052 χ^2/NDF: 46.2/38

eigen_dit_asym_sam_1526_avg_rms vs Slug



Right In: 75.544+/-0.021 χ^2/NDF: 1465535.8/15

Left Out: 56.846+/-0.010 χ^2/NDF:618320.1/21

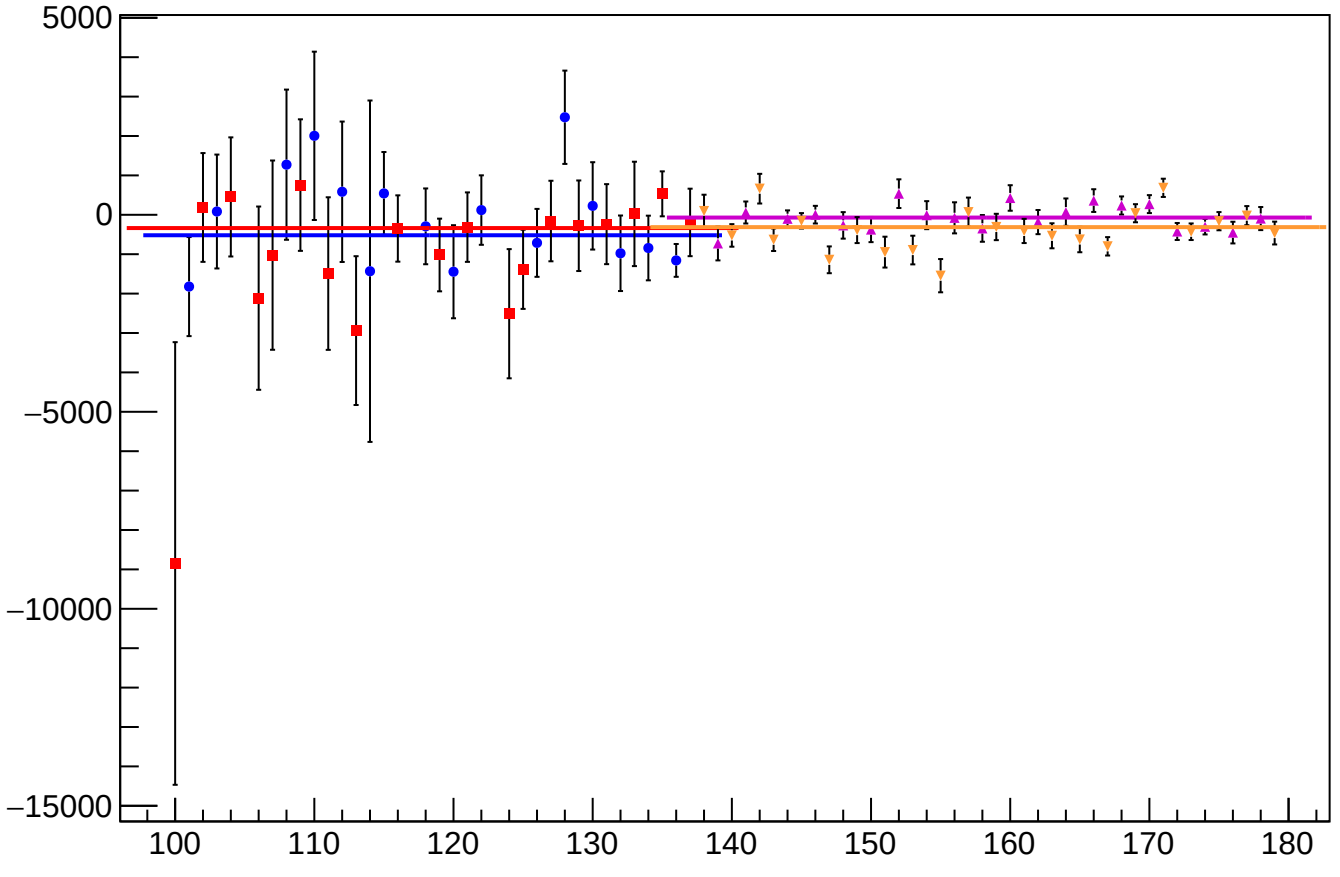
Right Out: 79.465+/-0.022 χ^2/NDF: 1683627.3/18

Left In: 57.131+/-0.010 χ^2/NDF:337566.9/19

+ sign 60.144+/-0.009 χ^2/NDF: 2727659.1/37

All: 60.569+/-0.006 χ^2/NDF: 5597078.2/76

- sign 61.027+/-0.009 χ^2/NDF: 2864666.0/38



Right In: -519.247+/-241.316 χ^2/NDF: 15.8/15

Left Out: -313.202+/-60.489 χ^2/NDF:60.2/21

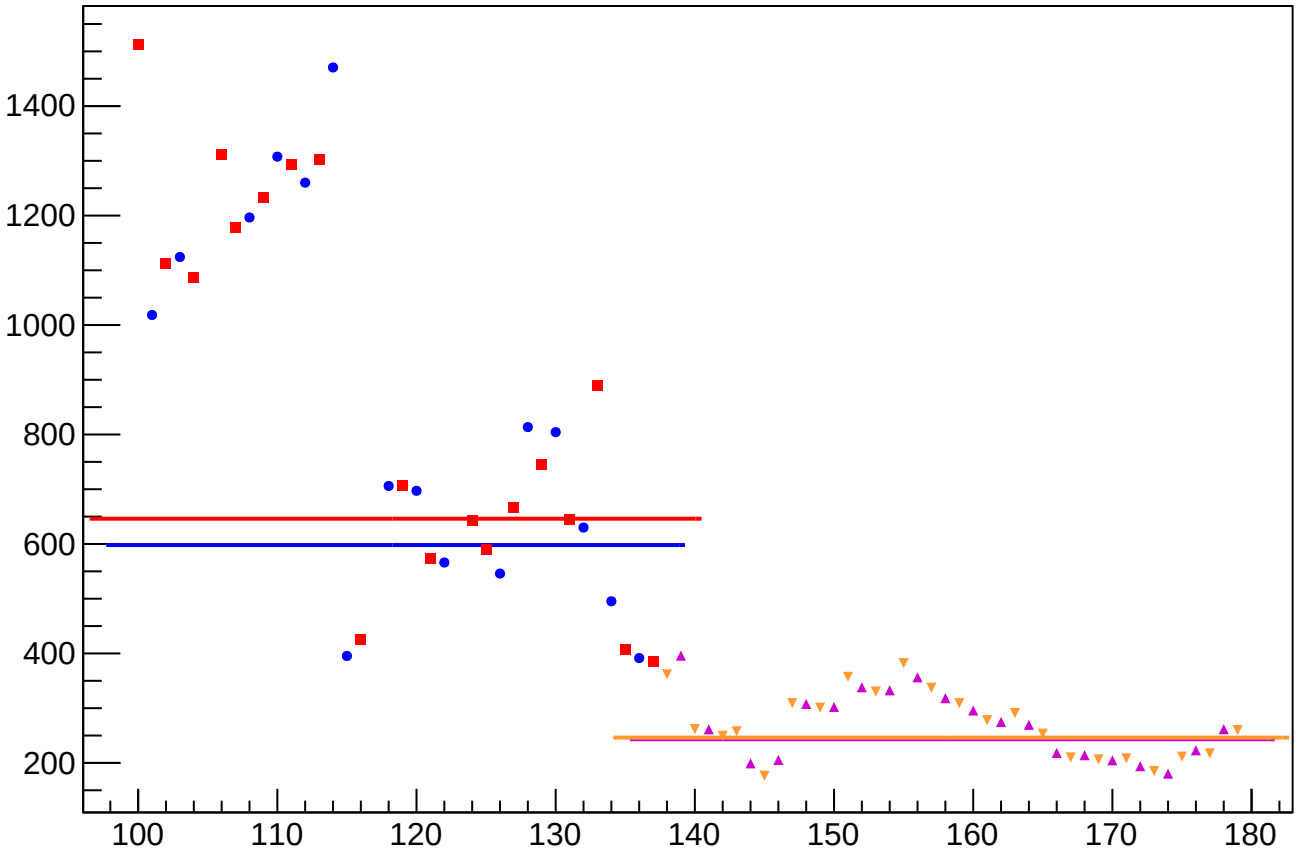
Right Out: -336.731+/-256.617 χ^2/NDF: 11.9/18

Left In: -70.298+/-61.978 χ^2/NDF:22.3/19

+ sign -325.383+/-58.674 χ^2/NDF: 76.6/37

All: -208.359+/-42.033 χ^2/NDF: 120.0/76

- sign -84.983+/-60.246 χ^2/NDF: 35.2/38



Right In: 598.044+/-0.171 χ^2/NDF: 2047806.5/15

Left Out: 246.198+/-0.043 χ^2/NDF:1678433.9/21

Right Out: 646.190+/-0.181 χ^2/NDF: 2205421.4/18

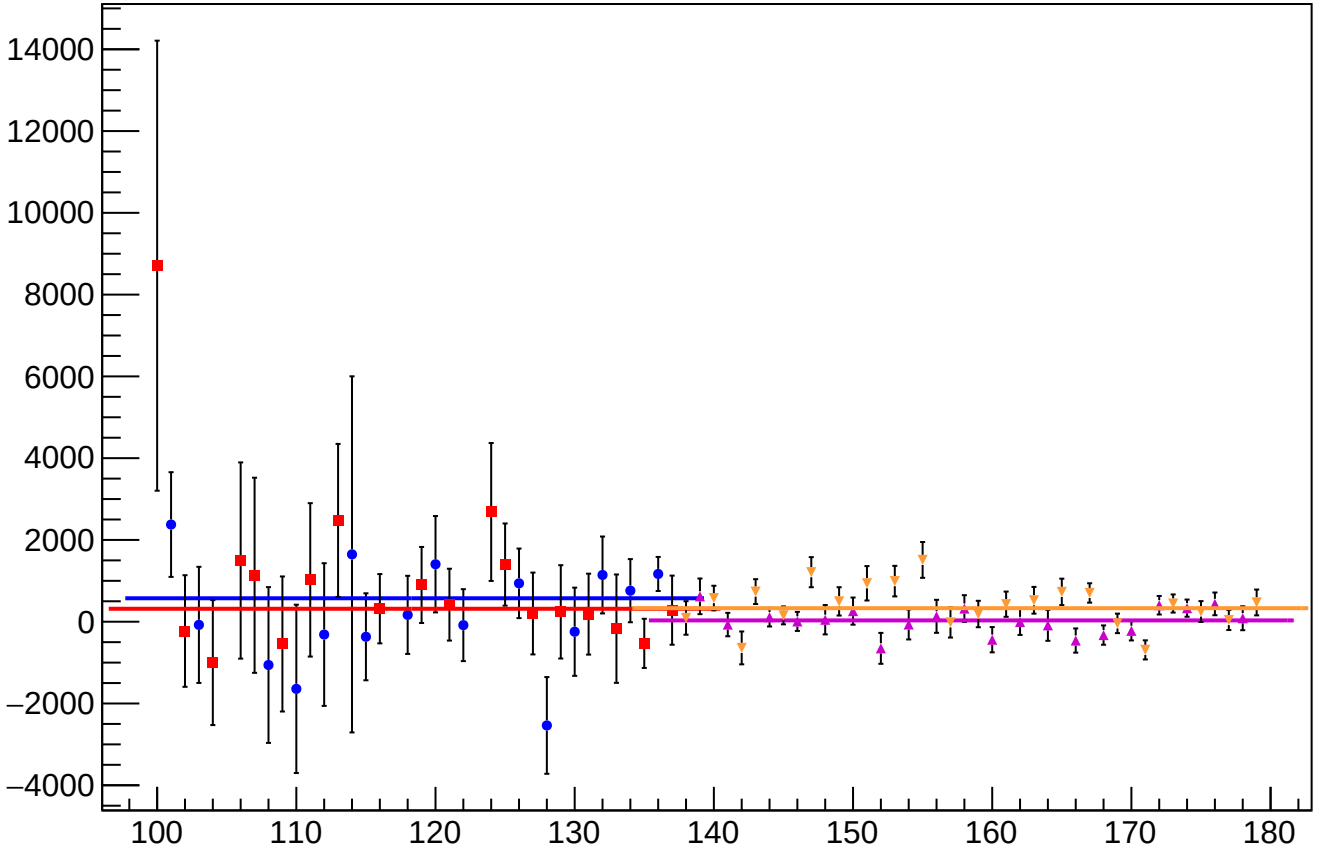
Left In: 243.258+/-0.044 χ^2/NDF:1586432.7/19

+ sign 266.998+/-0.041 χ^2/NDF: 7726579.2/37

All: 266.252+/-0.030 χ^2/NDF: 16178158.8/76

- sign 265.466+/-0.043 χ^2/NDF: 8450915.7/38

asym_sam_1526_avg_mean vs Slug



Right In: 573.374+/-238.921 χ^2/NDF: 16.6/15

Left Out: 330.770+/-63.106 χ^2/NDF:56.7/21

Right Out: 316.830+/-258.239 χ^2/NDF: 11.0/18

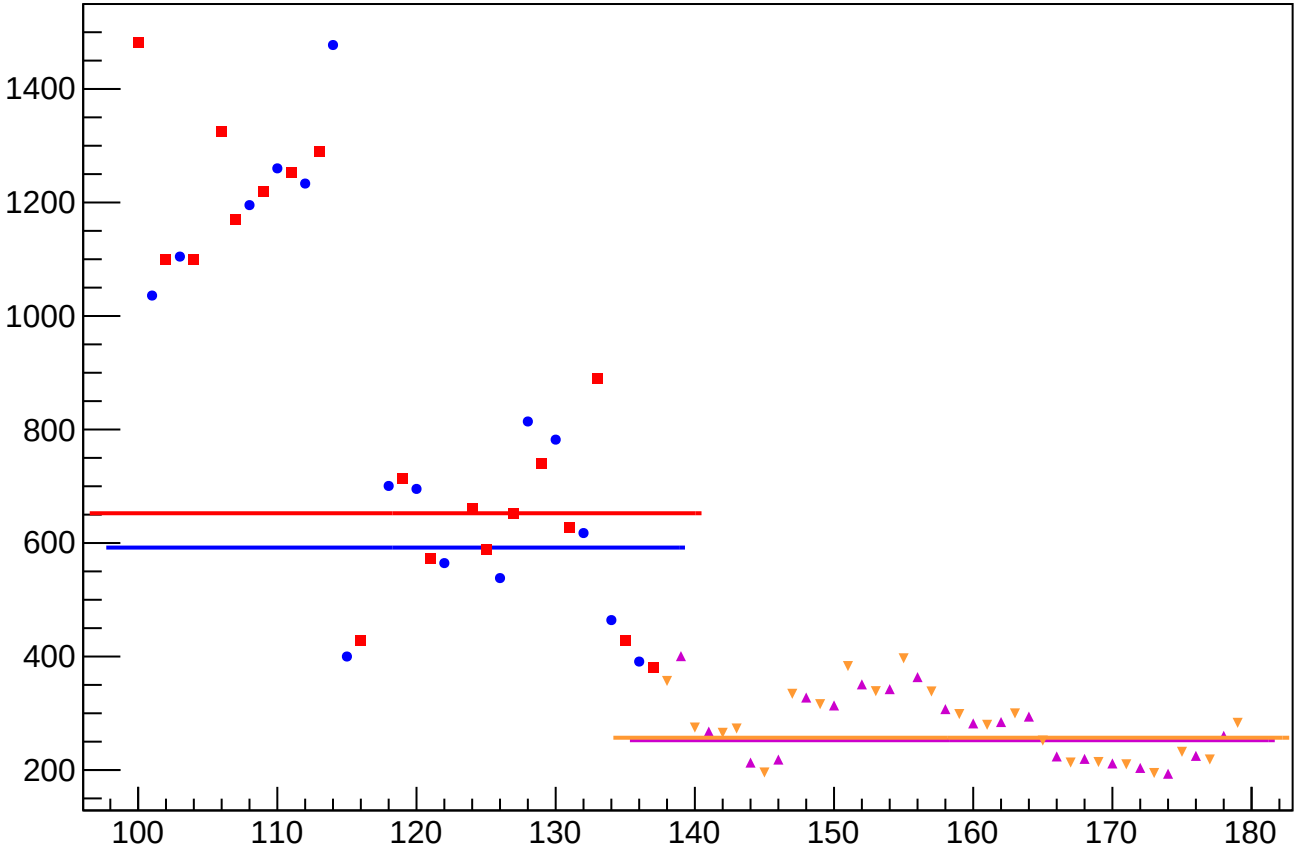
Left In: 32.084+/-64.152 χ^2/NDF:22.3/19

+ sign 346.591+/-61.013 χ^2/NDF: 74.2/37

All: 200.625+/-43.577 χ^2/NDF: 120.4/76

- sign 48.635+/-62.260 χ^2/NDF: 34.4/38

asym_sam_1526_avg_rms vs Slug



Right In: 591.974+/-0.169 χ^2/NDF: 2035700.6/15

Left Out: 256.937+/-0.045 χ^2/NDF:1543988.4/21

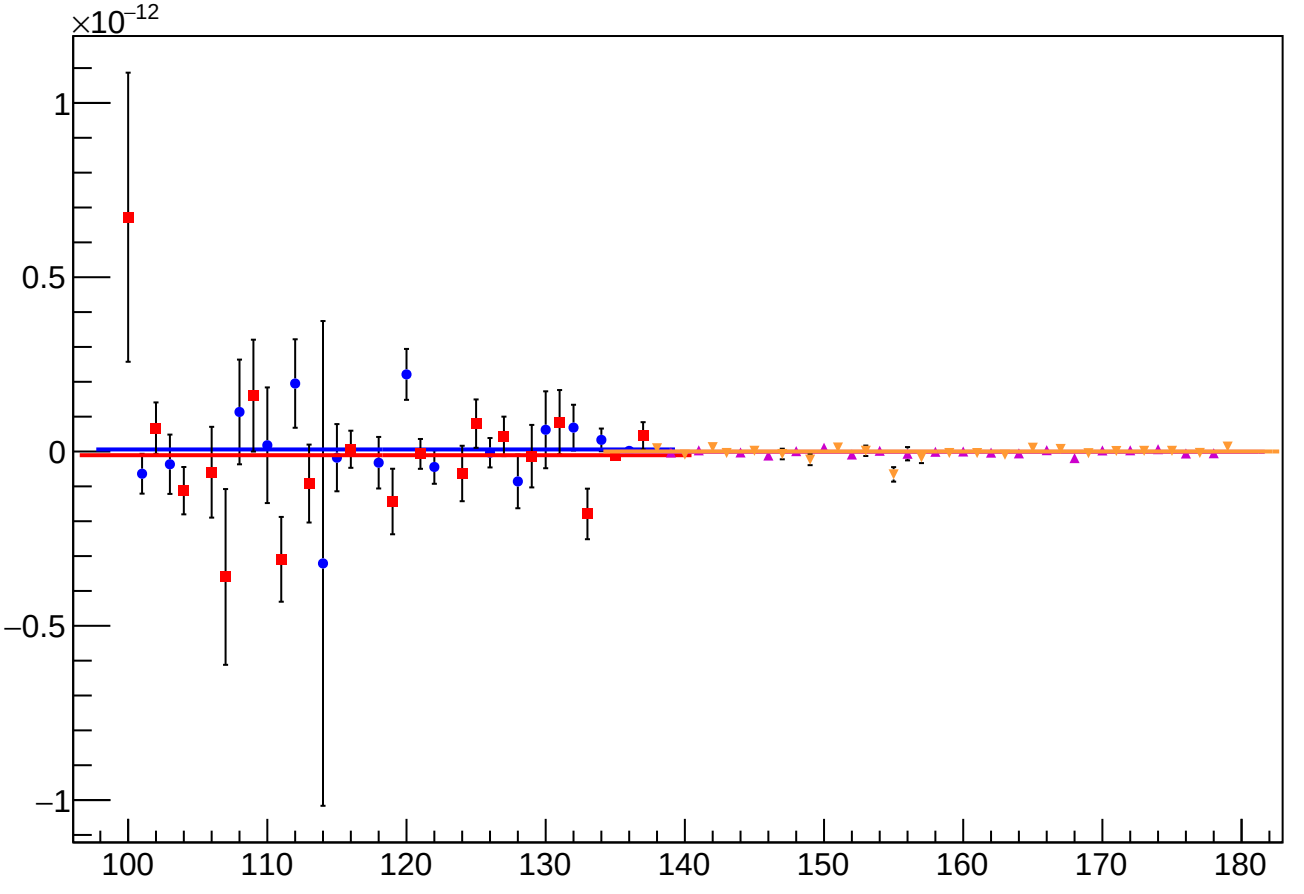
Right Out: 652.459+/-0.183 χ^2/NDF: 2089983.3/18

Left In: 252.548+/-0.045 χ^2/NDF:1410314.7/19

+ sign 278.786+/-0.043 χ^2/NDF: 7256052.4/37

All: 277.320+/-0.031 χ^2/NDF: 15276302.2/76

- sign 275.793+/-0.044 χ^2/NDF: 8017892.3/38



Right In: 0.000+/-0.000 χ^2/NDF: 18.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:24.3/21

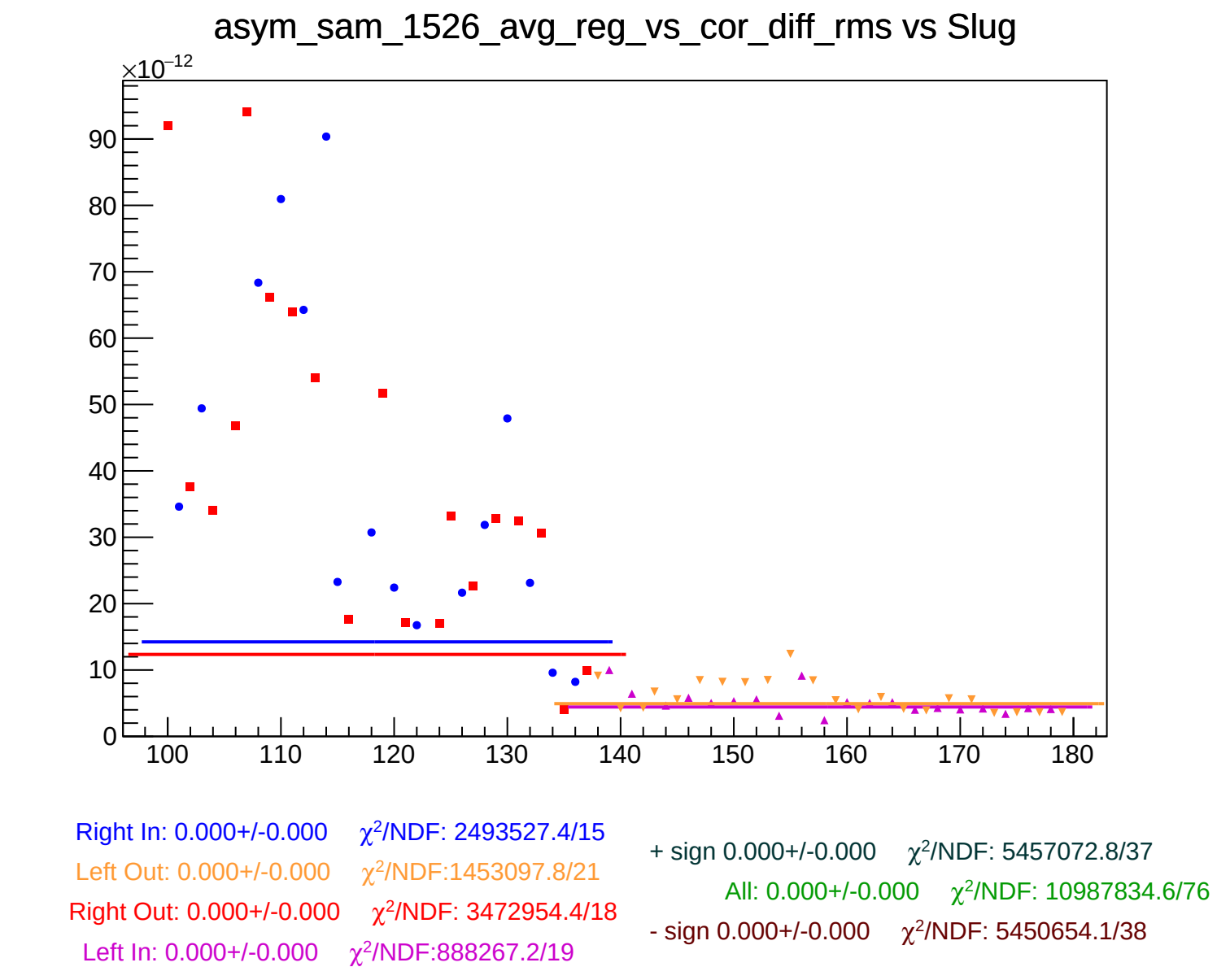
Right Out: -0.000+/-0.000 χ^2/NDF: 29.5/18

Left In: -0.000+/-0.000 χ^2/NDF:11.8/19

+ sign 0.000+/-0.000 χ^2/NDF: 42.8/37

All: -0.000+/-0.000 χ^2/NDF: 85.2/76

- sign -0.000+/-0.000 χ^2/NDF: 42.1/38


asym_sam_1526_avg_reg_vs_cor_diff_rms vs Slug
×10^−12
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100
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120
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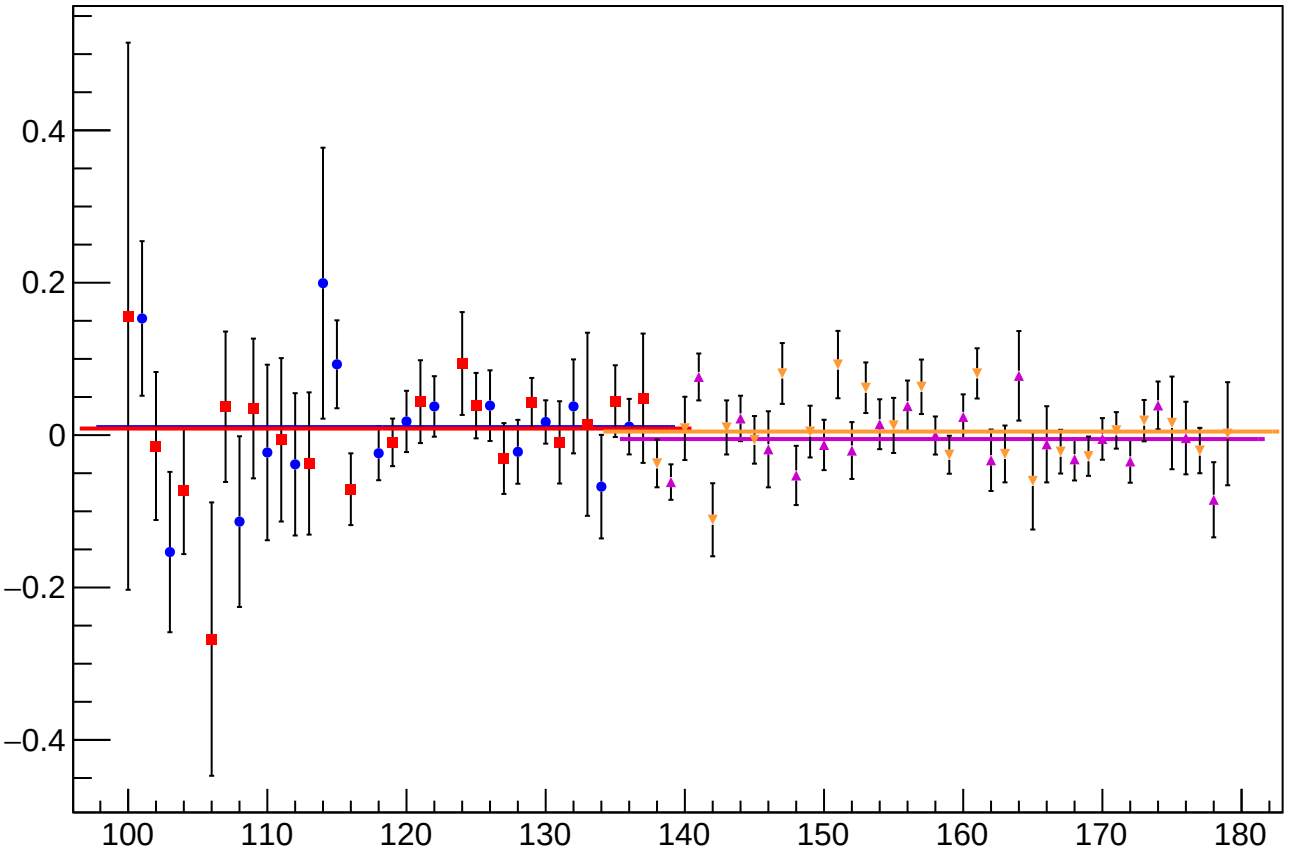
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2493527.4/15
Left Out: 0.000+/-0.000 χ²/NDF:1453097.8/21
Right Out: 0.000+/-0.000 χ²/NDF: 3472954.4/18
Left In: 0.000+/-0.000 χ²/NDF:888267.2/19
+ sign 0.000+/-0.000 χ²/NDF: 5457072.8/37
All: 0.000+/-0.000 χ²/NDF: 10987834.6/76
- sign 0.000+/-0.000 χ²/NDF: 5450654.1/38



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.005+/-0.007 χ^2/NDF:33.1/21

Right Out: 0.009+/-0.013 χ^2/NDF: 12.4/18

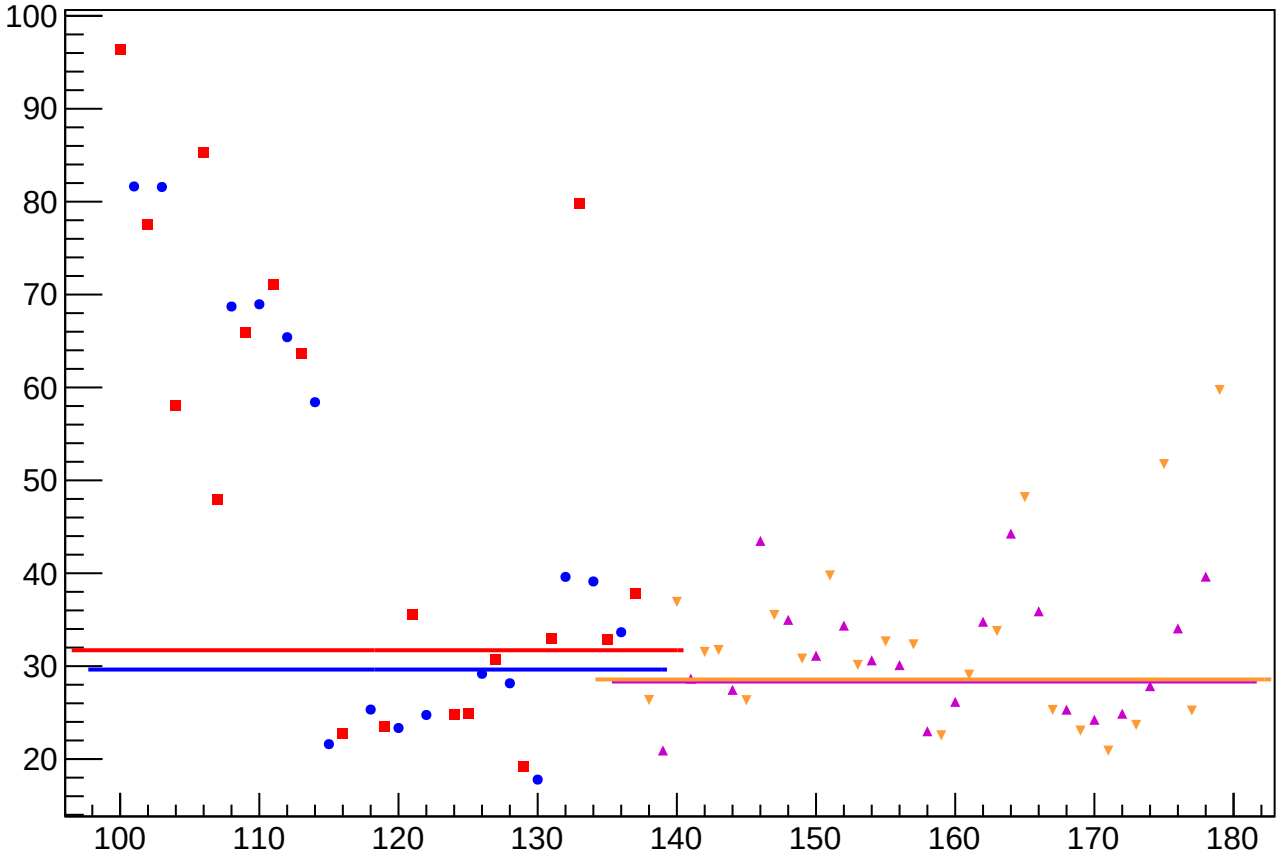
Left In: -0.005+/-0.007 χ^2/NDF:27.6/19

+ sign 0.006+/-0.006 χ^2/NDF: 46.4/37

All: 0.002+/-0.004 χ^2/NDF: 88.1/76

- sign -0.002+/-0.006 χ^2/NDF: 40.9/38

asym_sam_1526_avg_dit_vs_cor_diff_rms vs Slug



Right In: 29.635+/-0.009 χ^2/NDF: 2448468.0/15

Left Out: 28.569+/-0.005 χ^2/NDF:1847316.1/21

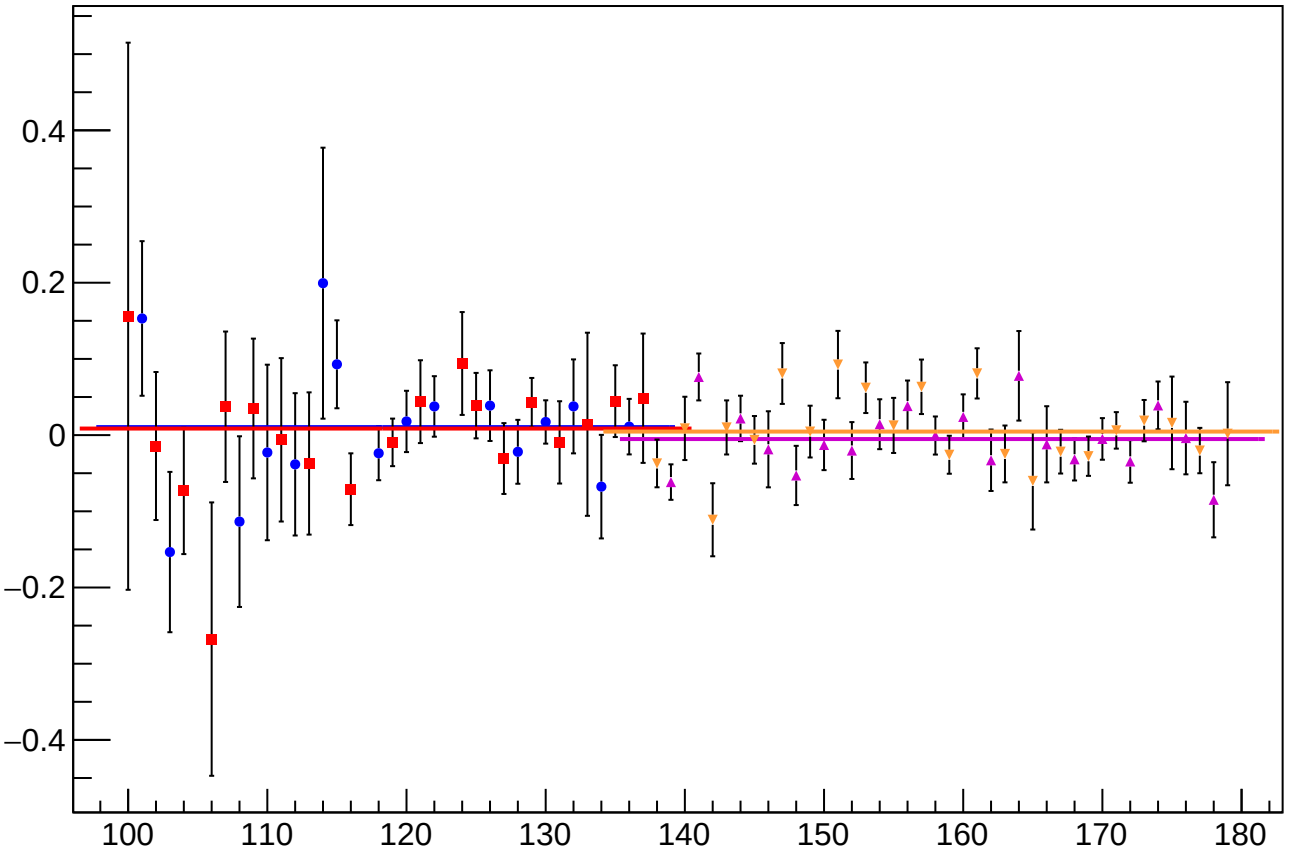
Right Out: 31.712+/-0.009 χ^2/NDF: 2651470.3/18

Left In: 28.348+/-0.005 χ^2/NDF:1109227.2/19

\+ sign 28.833+/-0.004 χ^2/NDF: 4306611.7/37

All: 28.984+/-0.003 χ^2/NDF: 8168242.3/76

\- sign 29.145+/-0.005 χ^2/NDF: 3859221.7/38



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.005+/-0.007 χ^2/NDF:33.1/21

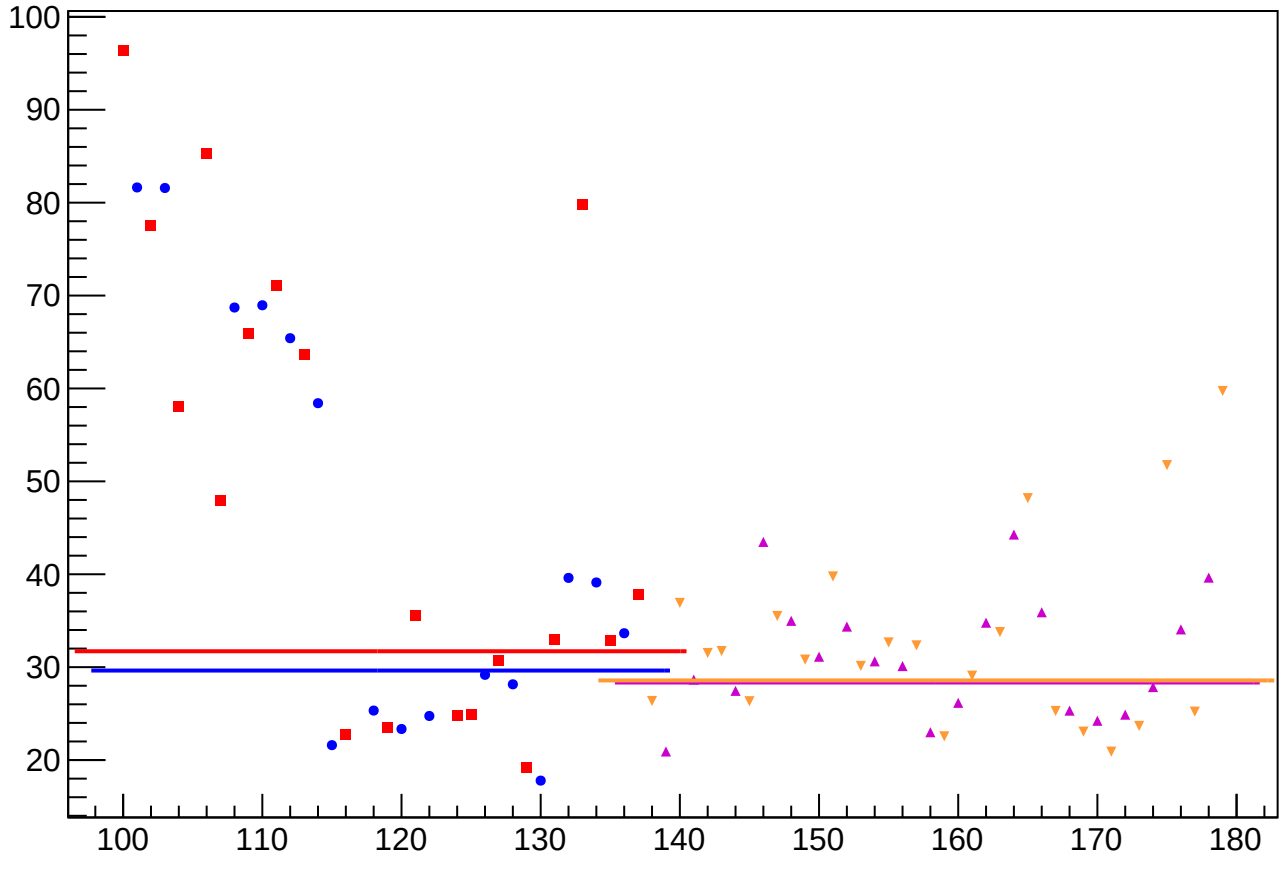
Right Out: 0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: -0.005+/-0.007 χ^2/NDF:27.6/19

+ sign 0.006+/-0.006 χ^2/NDF: 46.4/37

All: 0.002+/-0.004 χ^2/NDF: 88.1/76

- sign -0.002+/-0.006 χ^2/NDF: 40.9/38



Right In: 29.635+/-0.009 χ^2/NDF: 2448468.0/15

Left Out: 28.569+/-0.005 χ^2/NDF:1847316.1/21

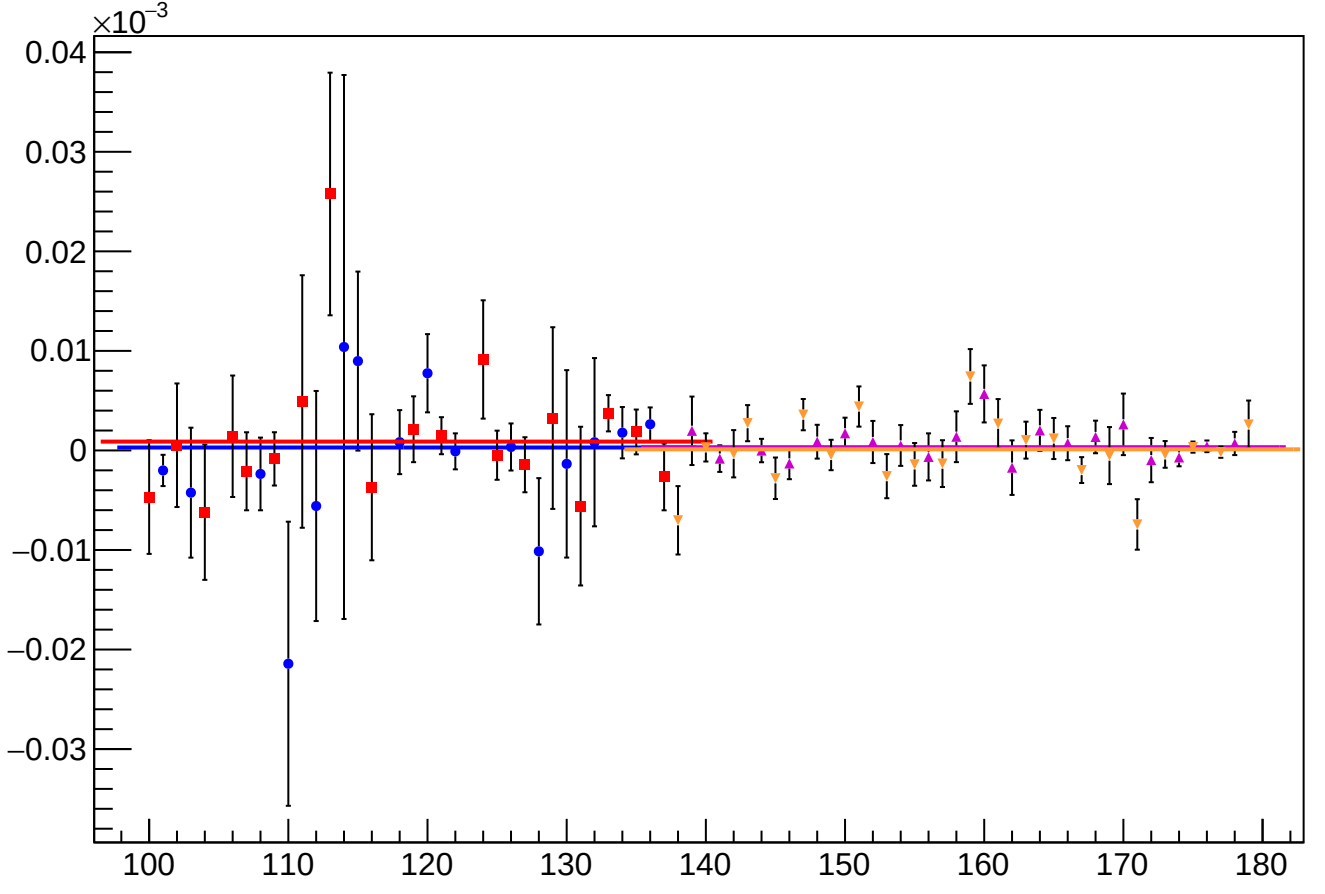
Right Out: 31.712+/-0.009 χ^2/NDF: 2651470.3/18

Left In: 28.348+/-0.005 χ^2/NDF:1109227.2/19

\+ sign 28.833+/-0.004 χ^2/NDF: 4306611.7/37

All: 28.984+/-0.003 χ^2/NDF: 8168242.3/76

\- sign 29.145+/-0.005 χ^2/NDF: 3859221.7/38



Right In: 0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:42.1/21

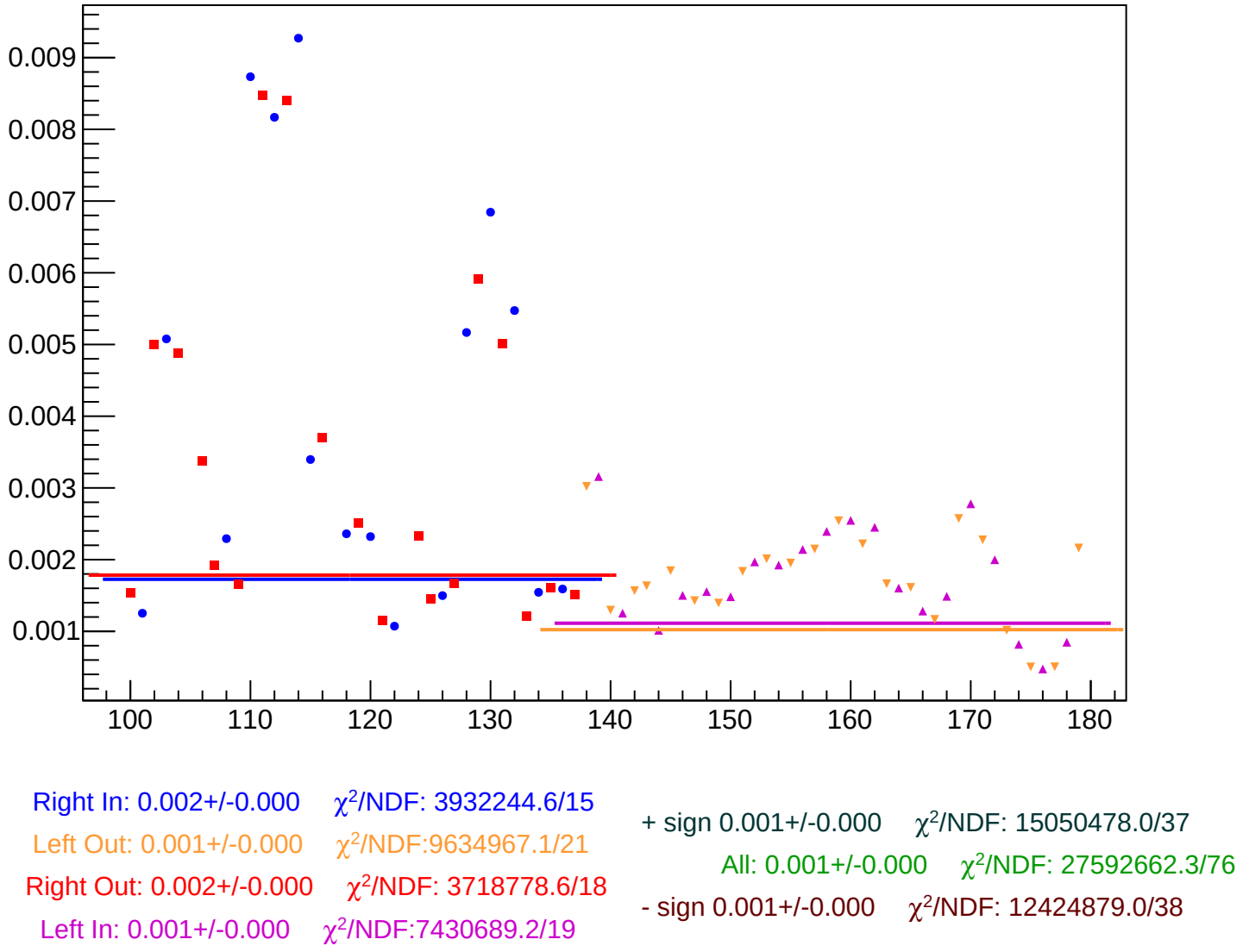
Right Out: 0.000+/-0.000 χ^2/NDF: 15.4/18

Left In: 0.000+/-0.000 χ^2/NDF:10.9/19

+ sign 0.000+/-0.000 χ^2/NDF: 57.0/37

All: 0.000+/-0.000 χ^2/NDF: 84.2/76

- sign 0.000+/-0.000 χ^2/NDF: 26.8/38


asym_sam_1526_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.009
0.008
0.007
0.006
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0.003
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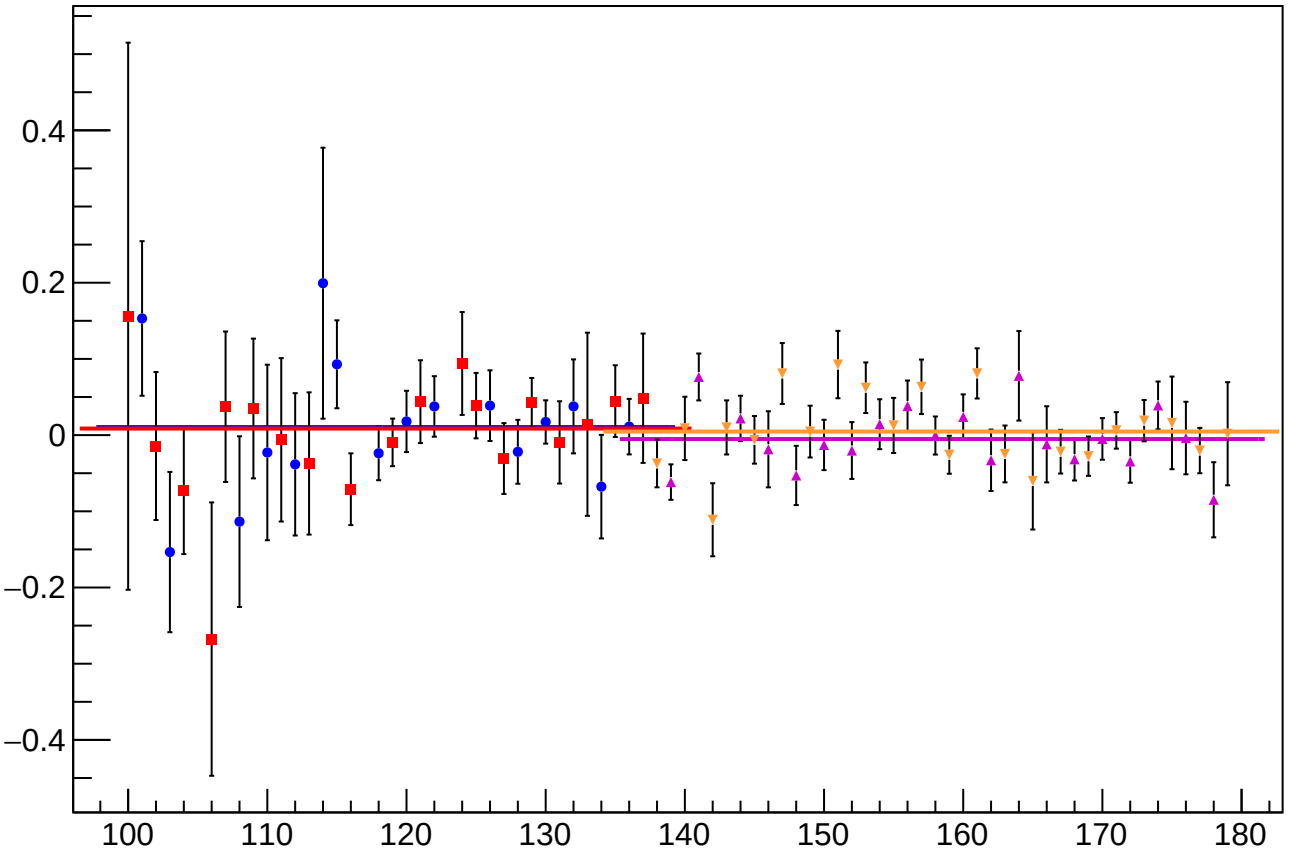
100
110
120
130
140
150
160
170
180
Right In: 0.002+/-0.000 χ²/NDF: 3932244.6/15
Left Out: 0.001+/-0.000 χ²/NDF:9634967.1/21
Right Out: 0.002+/-0.000 χ²/NDF: 3718778.6/18
Left In: 0.001+/-0.000 χ²/NDF:7430689.2/19
+ sign 0.001+/-0.000 χ²/NDF: 15050478.0/37
All: 0.001+/-0.000 χ²/NDF: 27592662.3/76
- sign 0.001+/-0.000 χ²/NDF: 12424879.0/38



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.005+/-0.007 χ^2/NDF:33.1/21

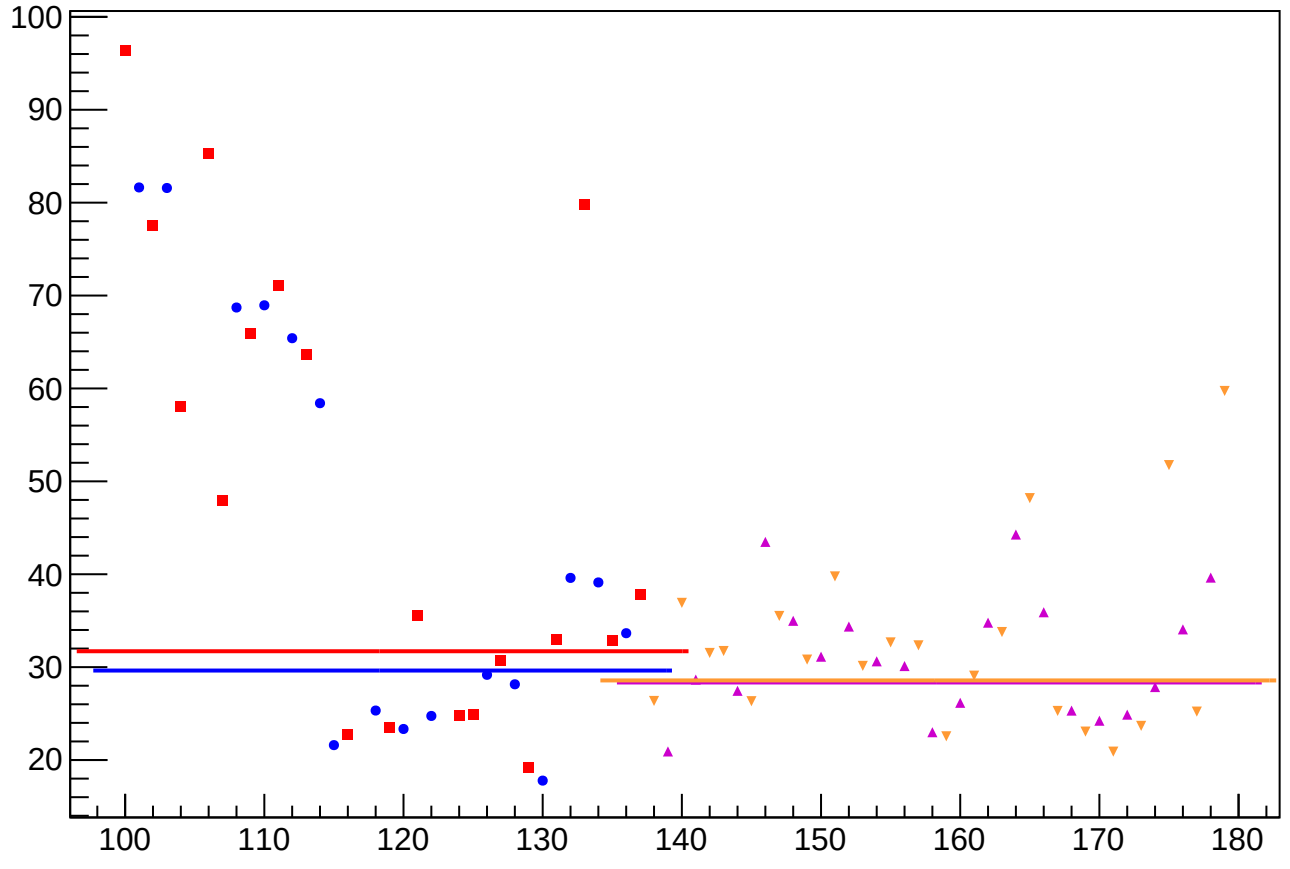
Right Out: 0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: -0.005+/-0.007 χ^2/NDF:27.6/19

+ sign 0.006+/-0.006 χ^2/NDF: 46.4/37

All: 0.002+/-0.004 χ^2/NDF: 88.1/76

- sign -0.002+/-0.006 χ^2/NDF: 40.9/38



Right In: 29.633+/-0.009 χ^2/NDF: 2448670.6/15

Left Out: 28.569+/-0.005 χ^2/NDF:1847368.1/21

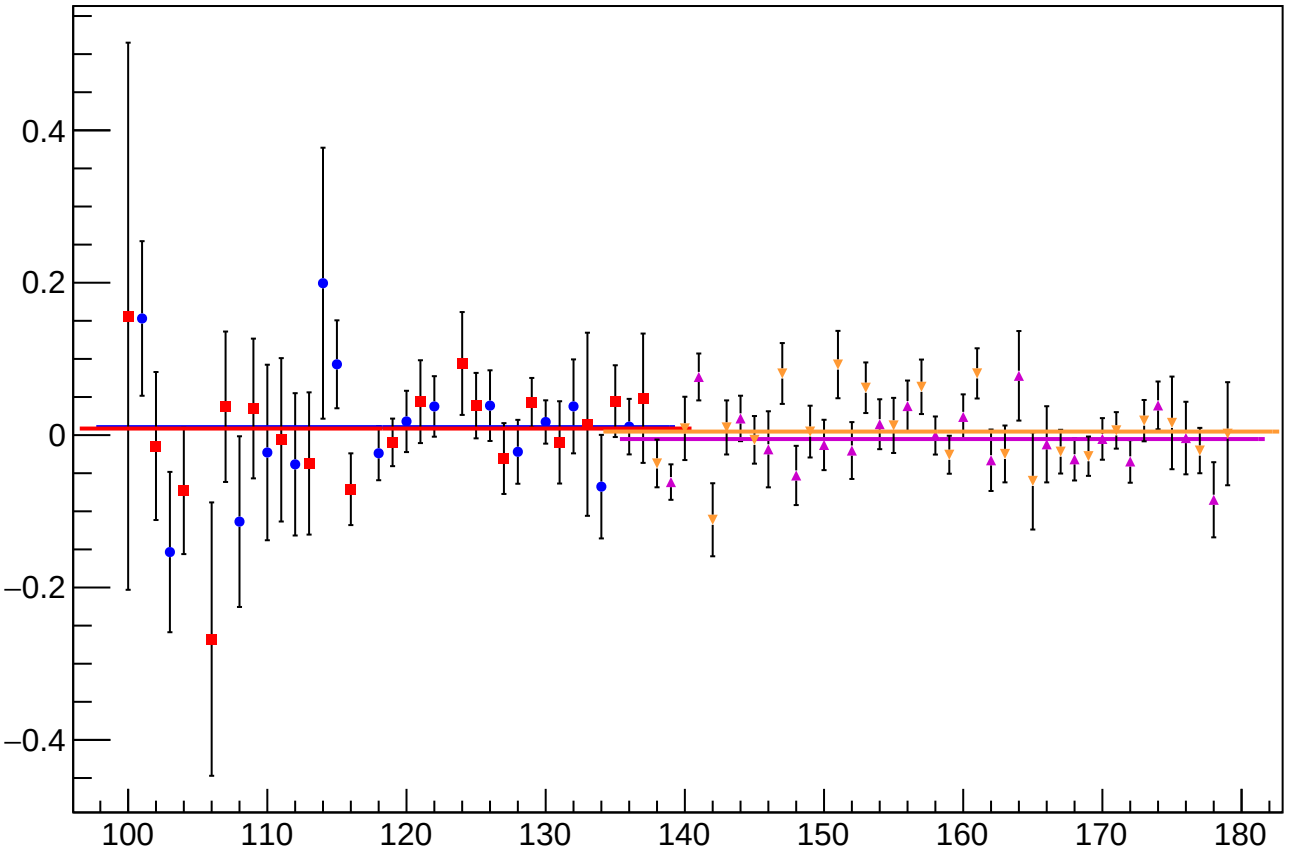
Right Out: 31.711+/-0.009 χ^2/NDF: 2651638.6/18

Left In: 28.348+/-0.005 χ^2/NDF:1109220.6/19

+ sign 28.833+/-0.004 χ^2/NDF: 4306838.0/37

All: 28.984+/-0.003 χ^2/NDF: 8168540.9/76

- sign 29.145+/-0.005 χ^2/NDF: 3859290.7/38



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.005+/-0.007 χ^2/NDF:33.1/21

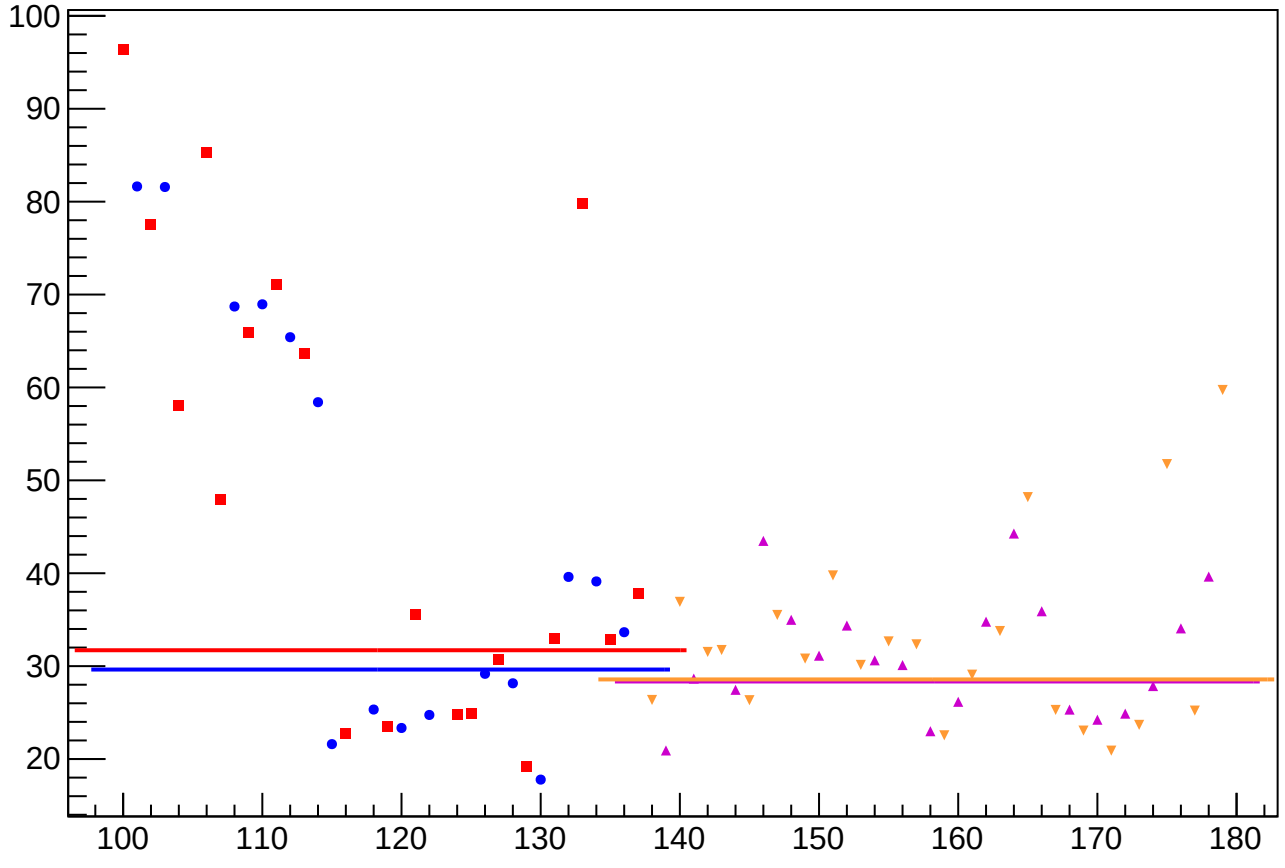
Right Out: 0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: -0.005+/-0.007 χ^2/NDF:27.6/19

+ sign 0.006+/-0.006 χ^2/NDF: 46.4/37

All: 0.002+/-0.004 χ^2/NDF: 88.1/76

- sign -0.002+/-0.006 χ^2/NDF: 40.9/38



Right In: 29.633+/-0.009 χ^2/NDF: 2448670.6/15

Left Out: 28.569+/-0.005 χ^2/NDF:1847368.1/21

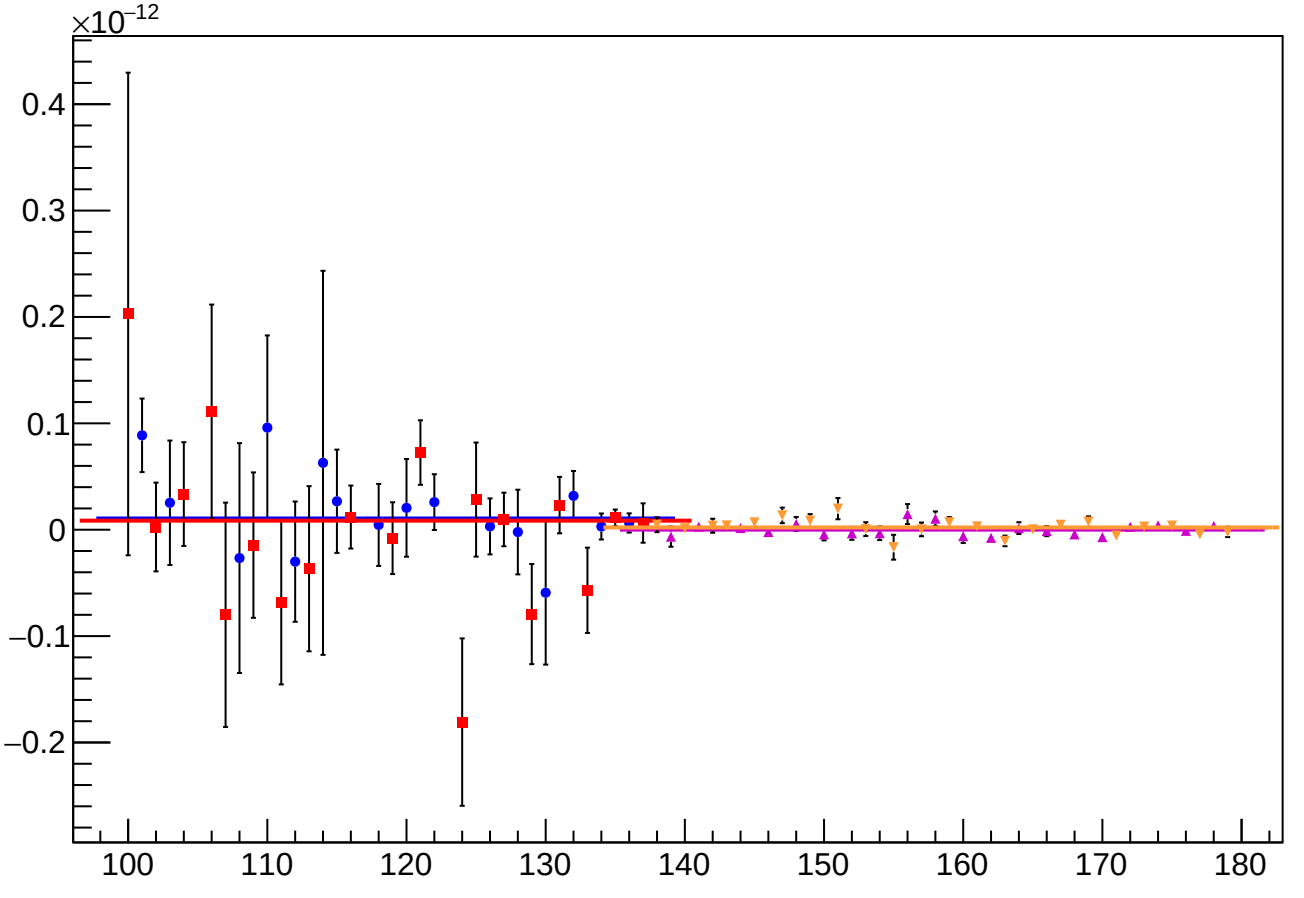
Right Out: 31.711+/-0.009 χ^2/NDF: 2651638.6/18

Left In: 28.348+/-0.005 χ^2/NDF:1109220.6/19

+ sign 28.833+/-0.004 χ^2/NDF: 4306838.0/37

All: 28.984+/-0.003 χ^2/NDF: 8168540.9/76

- sign 29.145+/-0.005 χ^2/NDF: 3859290.7/38



Right In: 0.000+/-0.000 χ^2/NDF: 10.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:27.1/21

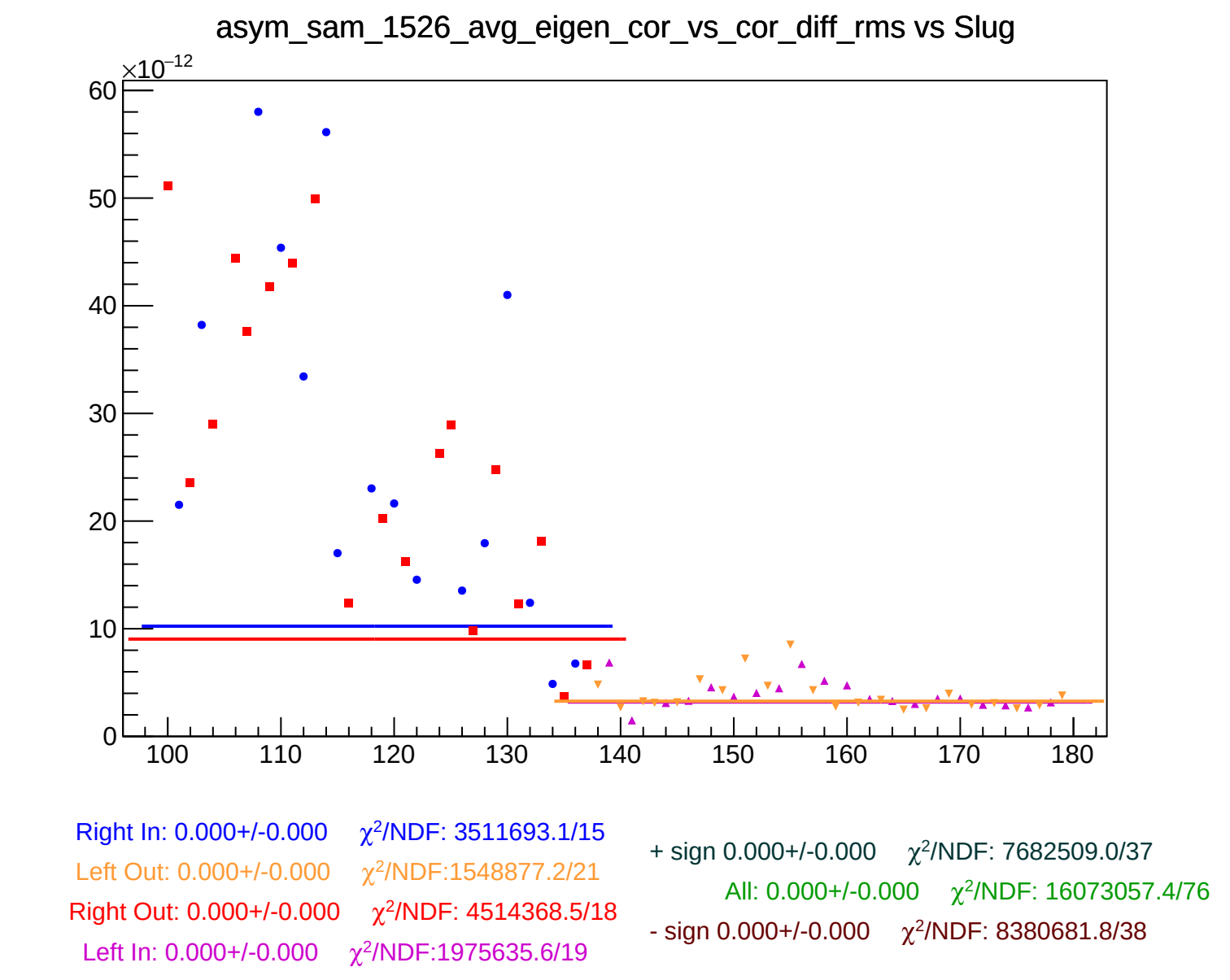
Right Out: 0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: 0.000+/-0.000 χ^2/NDF:18.0/19

+ sign 0.000+/-0.000 χ^2/NDF: 39.1/37

All: 0.000+/-0.000 χ^2/NDF: 82.5/76

- sign 0.000+/-0.000 χ^2/NDF: 41.4/38


asym_sam_1526_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
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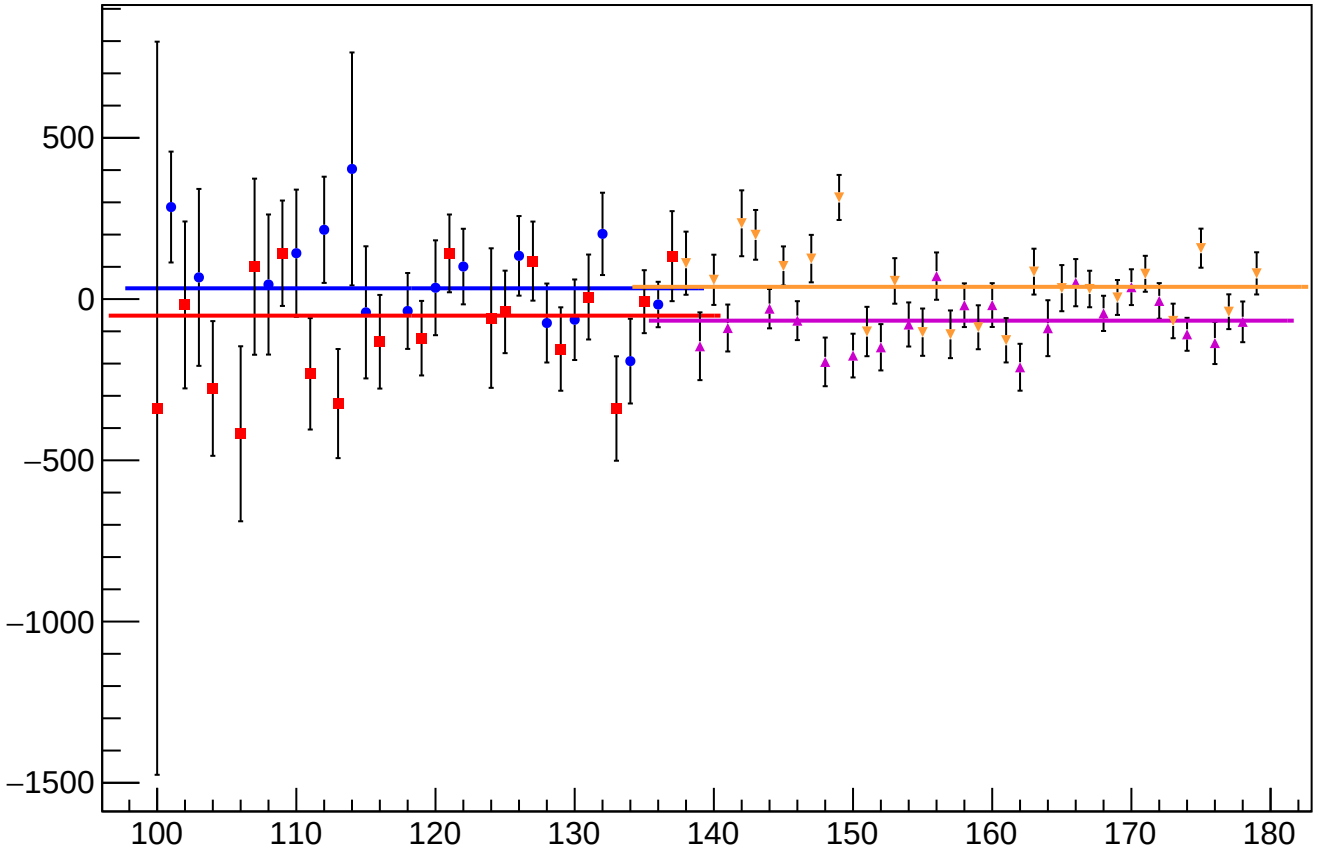
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 3511693.1/15
Left Out: 0.000+/-0.000 χ²/NDF:1548877.2/21
Right Out: 0.000+/-0.000 χ²/NDF: 4514368.5/18
Left In: 0.000+/-0.000 χ²/NDF:1975635.6/19
+ sign 0.000+/-0.000 χ²/NDF: 7682509.0/37
All: 0.000+/-0.000 χ²/NDF: 16073057.4/76
- sign 0.000+/-0.000 χ²/NDF: 8380681.8/38

reg_asym_sam_3726_avg_mean vs Slug



Right In: 33.431+/-33.881 χ^2/NDF: 12.8/15

Left Out: 37.983+/-14.246 χ^2/NDF:58.8/21

Right Out: -51.335+/-34.851 χ^2/NDF: 19.6/18

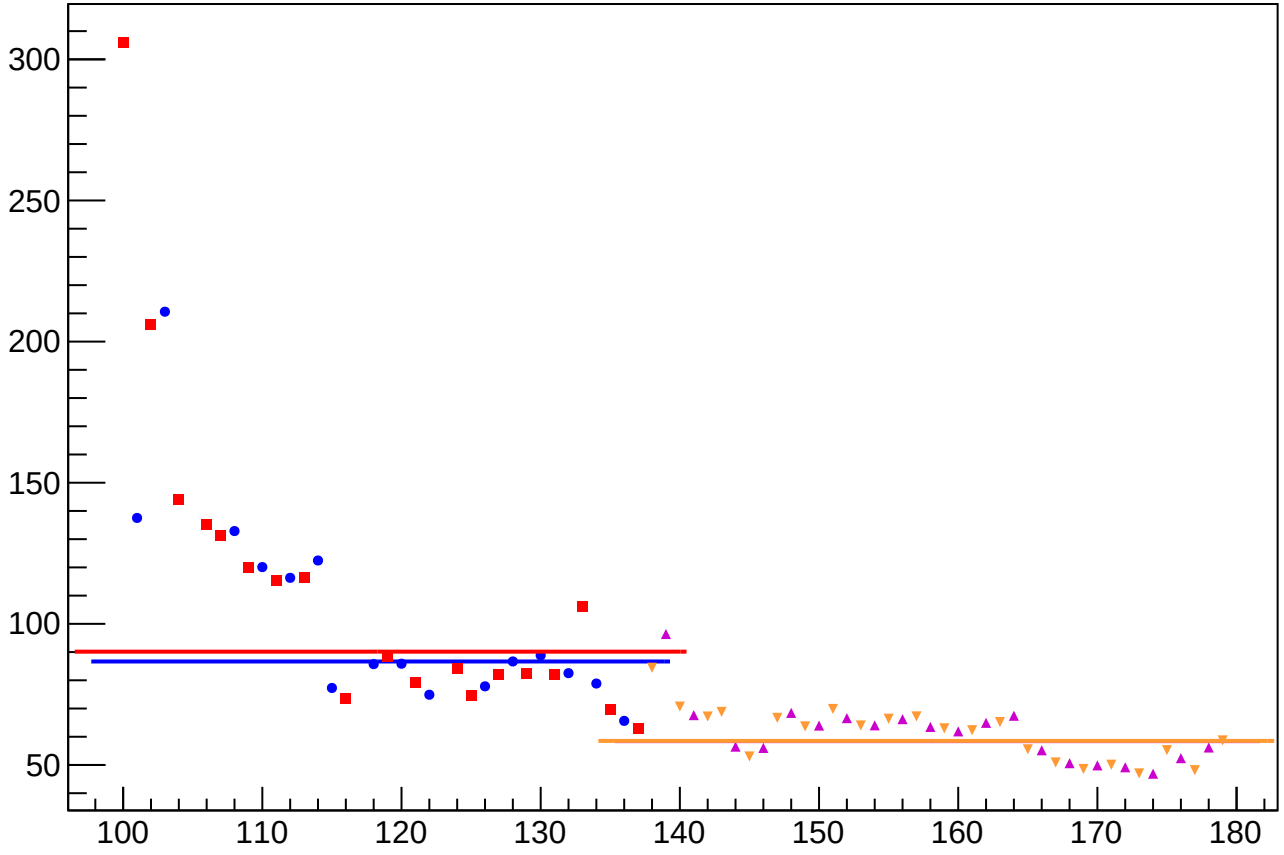
Left In: -66.906+/-14.728 χ^2/NDF:25.7/19

+ sign 37.299+/-13.132 χ^2/NDF: 71.6/37

All: -11.967+/-9.436 χ^2/NDF: 146.2/76

- sign -64.546+/-13.566 χ^2/NDF: 45.4/38

reg_asym_sam_3726_avg_rms vs Slug



Right In: 86.666+/-0.024 χ^2/NDF: 1038813.4/15

Left Out: 58.525+/-0.010 χ^2/NDF:754553.4/21

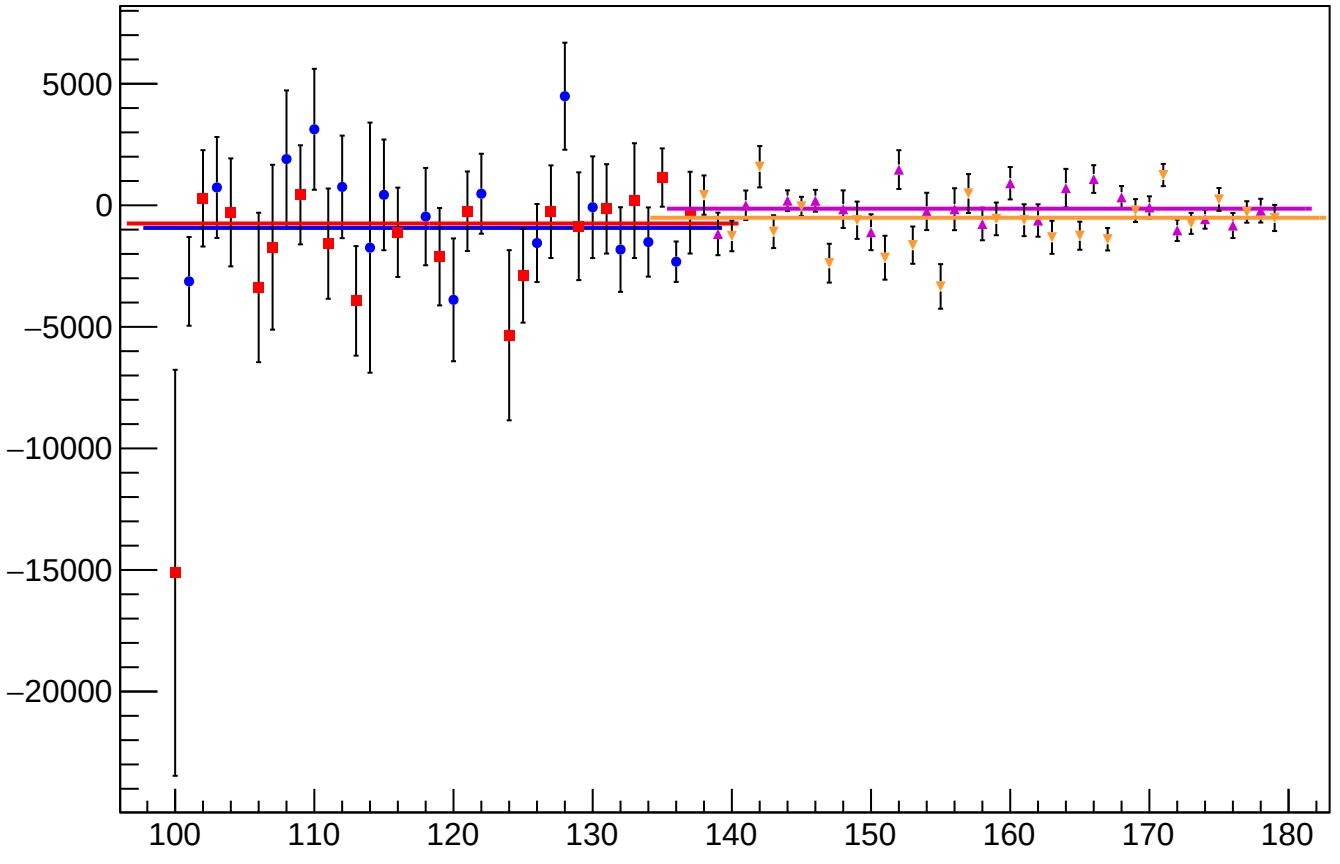
Right Out: 90.153+/-0.025 χ^2/NDF: 1149976.9/18

Left In: 58.447+/-0.010 χ^2/NDF:732855.9/19

+ sign 62.753+/-0.009 χ^2/NDF: 2965862.5/37

All: 62.994+/-0.007 χ^2/NDF: 6254531.4/76

- sign 63.252+/-0.010 χ^2/NDF: 3287270.9/38



Right In: -929.821+/-440.893 χ^2/NDF: 18.5/15

Left Out: -512.165+/-123.976 χ^2/NDF:57.9/21

Right Out: -747.199+/-467.902 χ^2/NDF: 13.0/18

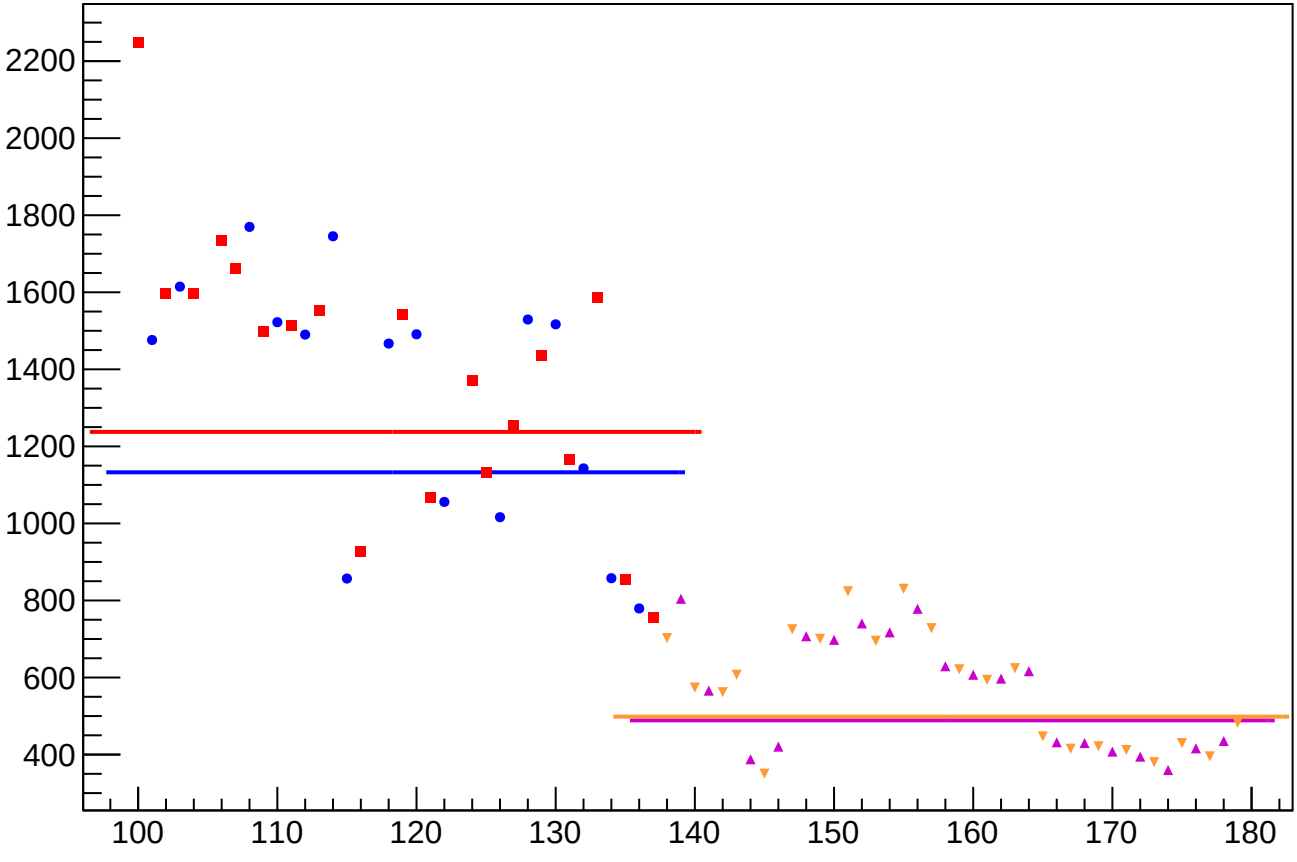
Left In: -138.287+/-125.711 χ^2/NDF:26.2/19

+ sign -542.769+/-119.347 χ^2/NDF: 77.3/37

All: -364.133+/-85.110 χ^2/NDF: 122.6/76

- sign -179.281+/-121.406 χ^2/NDF: 40.8/38

asym_sam_3726_avg_reg_correction_rms vs Slug



Right In: 1132.688+/-0.312 χ^2/NDF: 1124151.1/15

Left Out: 498.485+/-0.088 χ^2/NDF:2304056.1/21

Right Out: 1237.591+/-0.331 χ^2/NDF: 895314.3/18

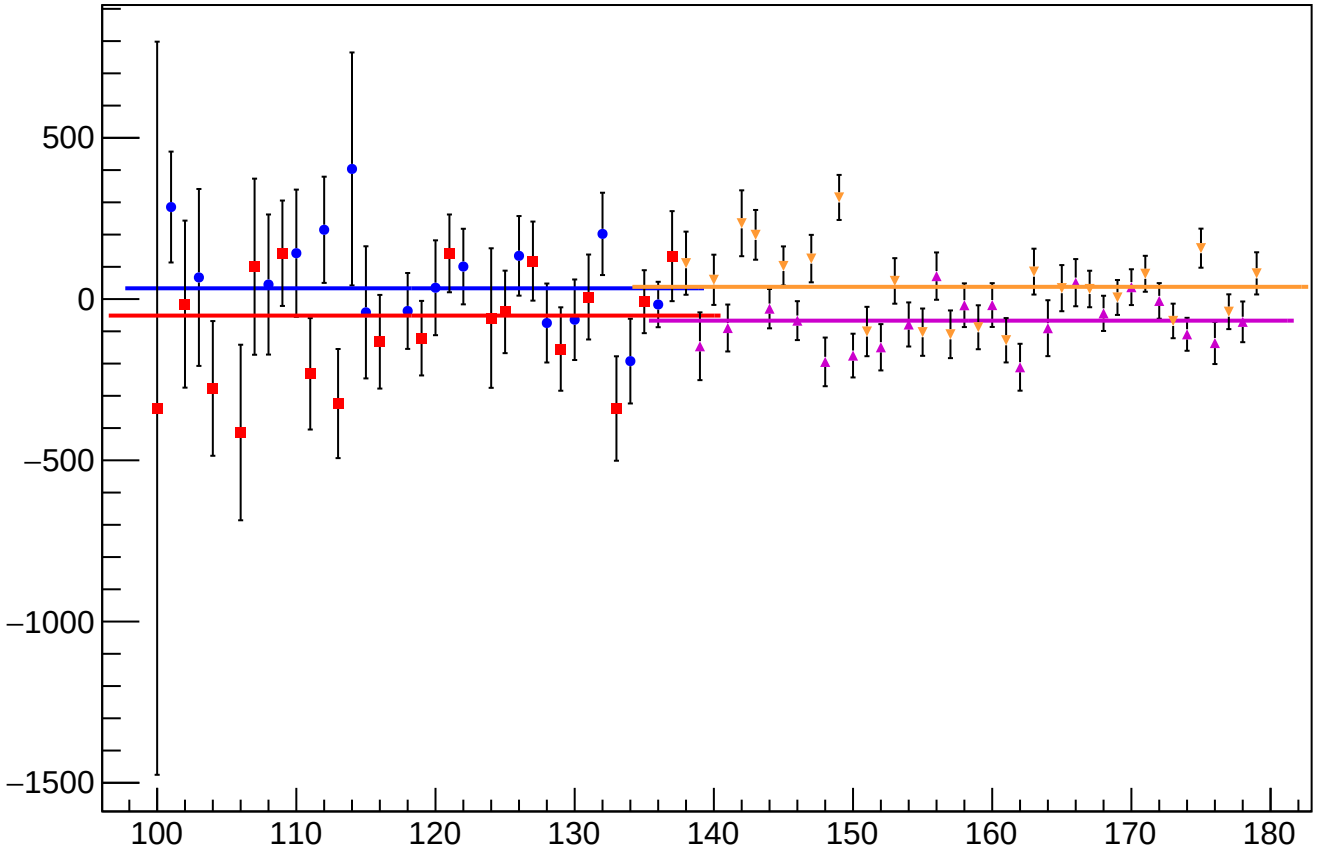
Left In: 488.770+/-0.089 χ^2/NDF:2118097.0/19

+ sign 544.956+/-0.084 χ^2/NDF: 7263257.5/37

All: 542.119+/-0.060 χ^2/NDF: 15056530.7/76

- sign 539.184+/-0.086 χ^2/NDF: 7790973.6/38

cor_asym_sam_3726_avg_mean vs Slug



Right In: 33.422+/-33.881 χ^2/NDF: 12.8/15

Left Out: 37.985+/-14.246 χ^2/NDF:58.8/21

Right Out: -51.188+/-34.853 χ^2/NDF: 19.5/18

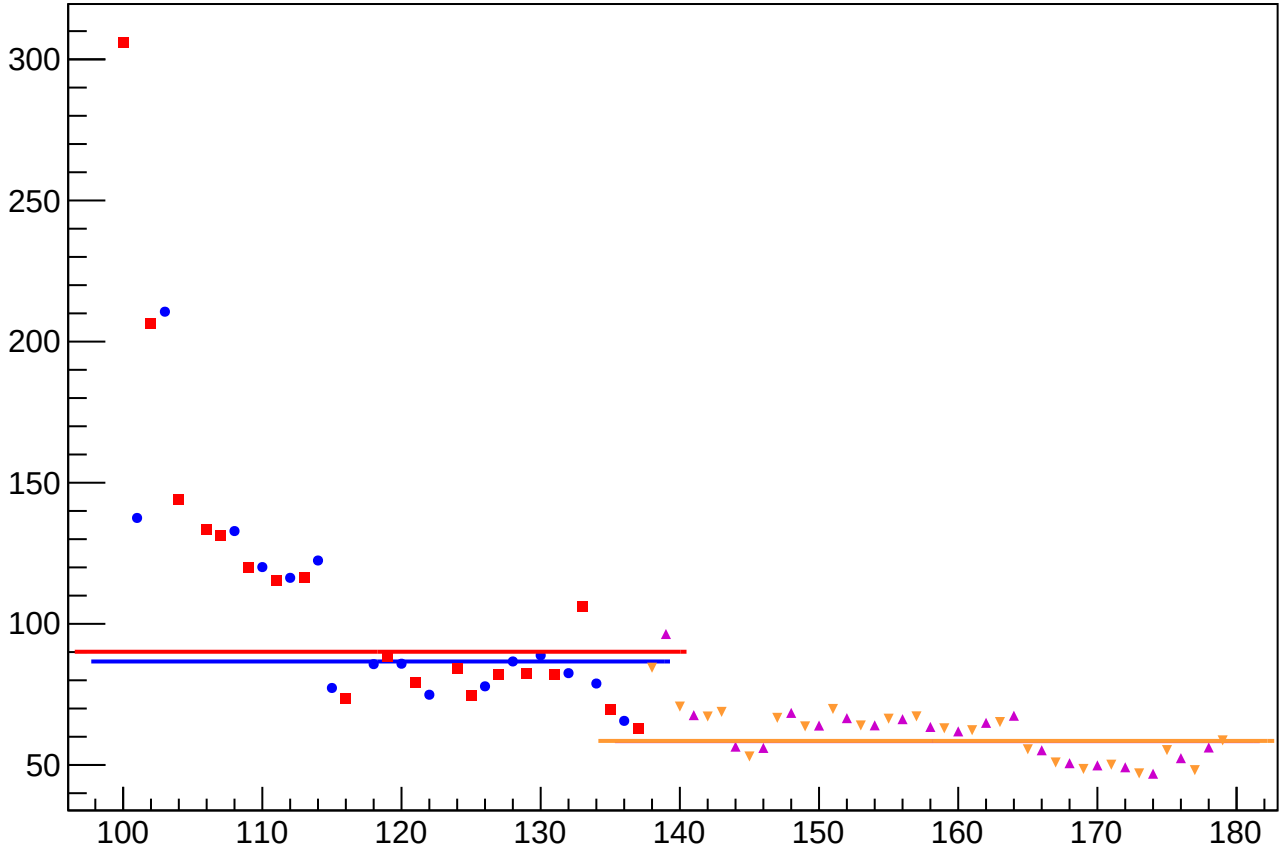
Left In: -66.904+/-14.728 χ^2/NDF:25.7/19

+ sign 37.299+/-13.132 χ^2/NDF: 71.6/37

All: -11.955+/-9.436 χ^2/NDF: 146.1/76

- sign -64.523+/-13.567 χ^2/NDF: 45.4/38

cor_asym_sam_3726_avg_rms vs Slug



Right In: 86.666+/-0.024 χ^2/NDF: 1038816.2/15

Left Out: 58.525+/-0.010 χ^2/NDF:754553.4/21

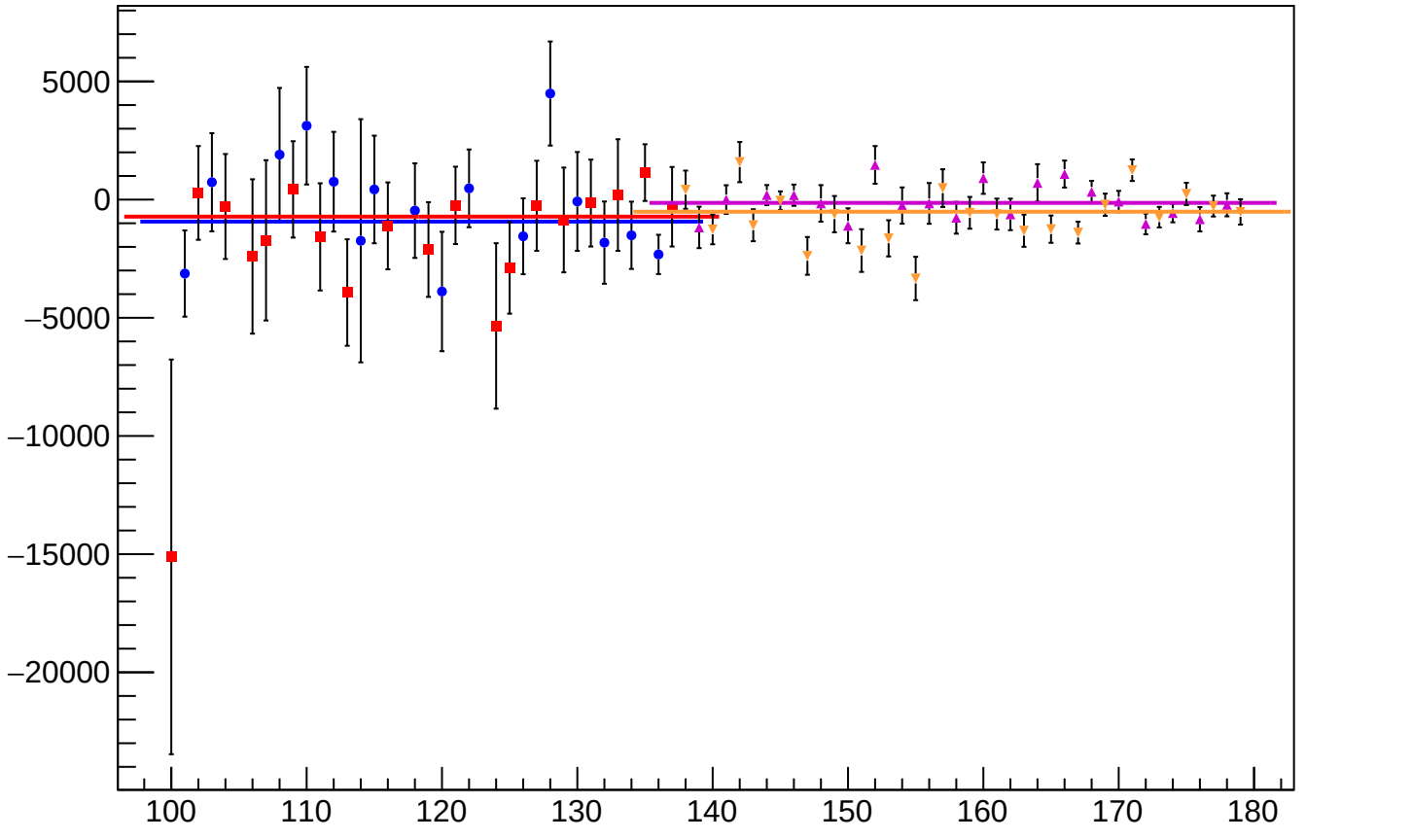
Right Out: 90.116+/-0.025 χ^2/NDF: 1145283.2/18

Left In: 58.447+/-0.010 χ^2/NDF:732855.9/19

+ sign 62.753+/-0.009 χ^2/NDF: 2965864.8/37

All: 62.991+/-0.007 χ^2/NDF: 6246377.1/76

- sign 63.246+/-0.010 χ^2/NDF: 3279148.4/38



Right In: -929.788+/-440.894 χ^2/NDF: 18.5/15

Left Out: -512.161+/-123.976 χ^2/NDF:57.9/21

Right Out: -720.600+/-468.540 χ^2/NDF: 12.5/18

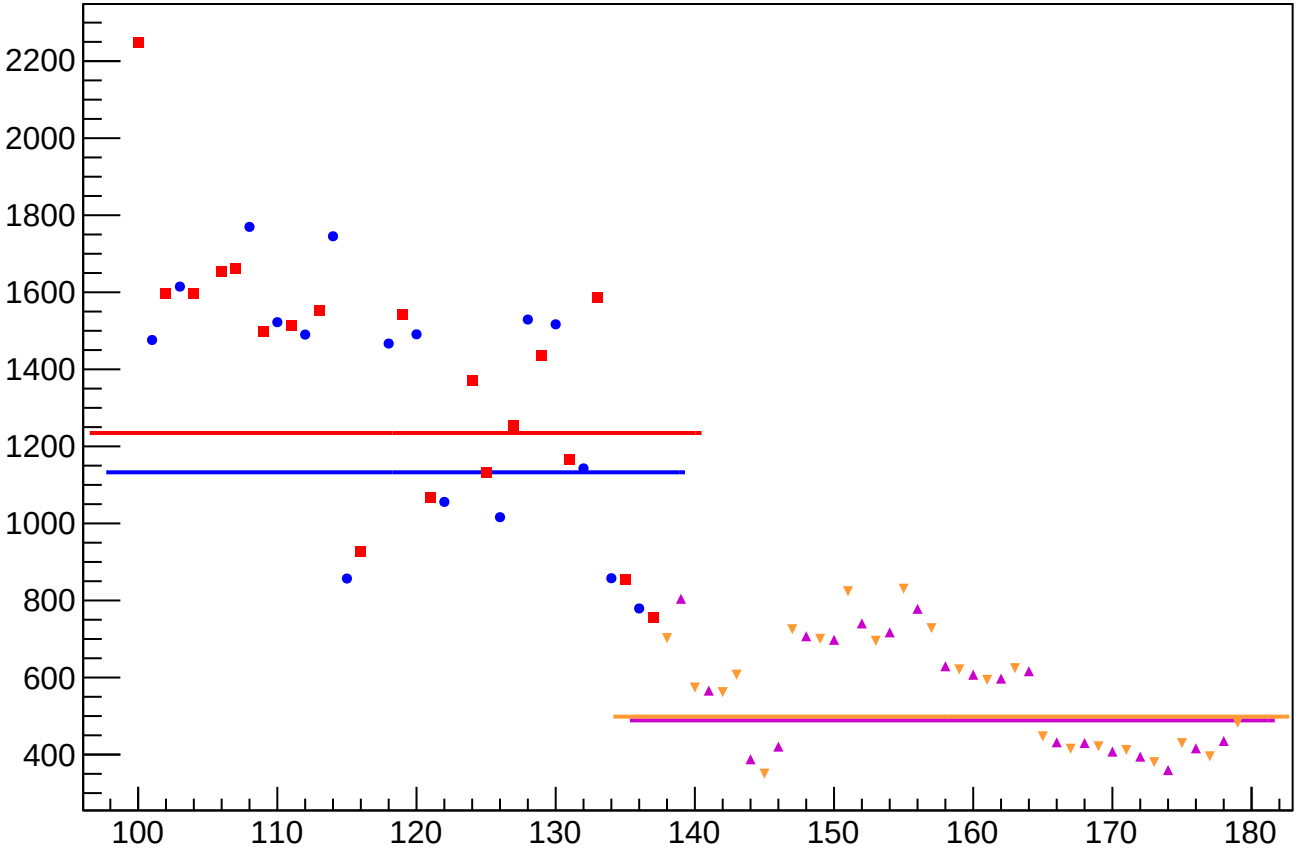
Left In: -138.285+/-125.711 χ^2/NDF:26.2/19

+ sign -542.763+/-119.347 χ^2/NDF: 77.3/37

All: -363.216+/-85.114 χ^2/NDF: 122.0/76

- sign -177.389+/-121.417 χ^2/NDF: 40.1/38

asym_sam_3726_avg_cor_correction_rms vs Slug



Right In: 1132.689+/-0.312 χ^2/NDF: 1124187.2/15

Left Out: 498.484+/-0.088 χ^2/NDF:2304061.4/21

Right Out: 1234.709+/-0.331 χ^2/NDF: 876272.4/18

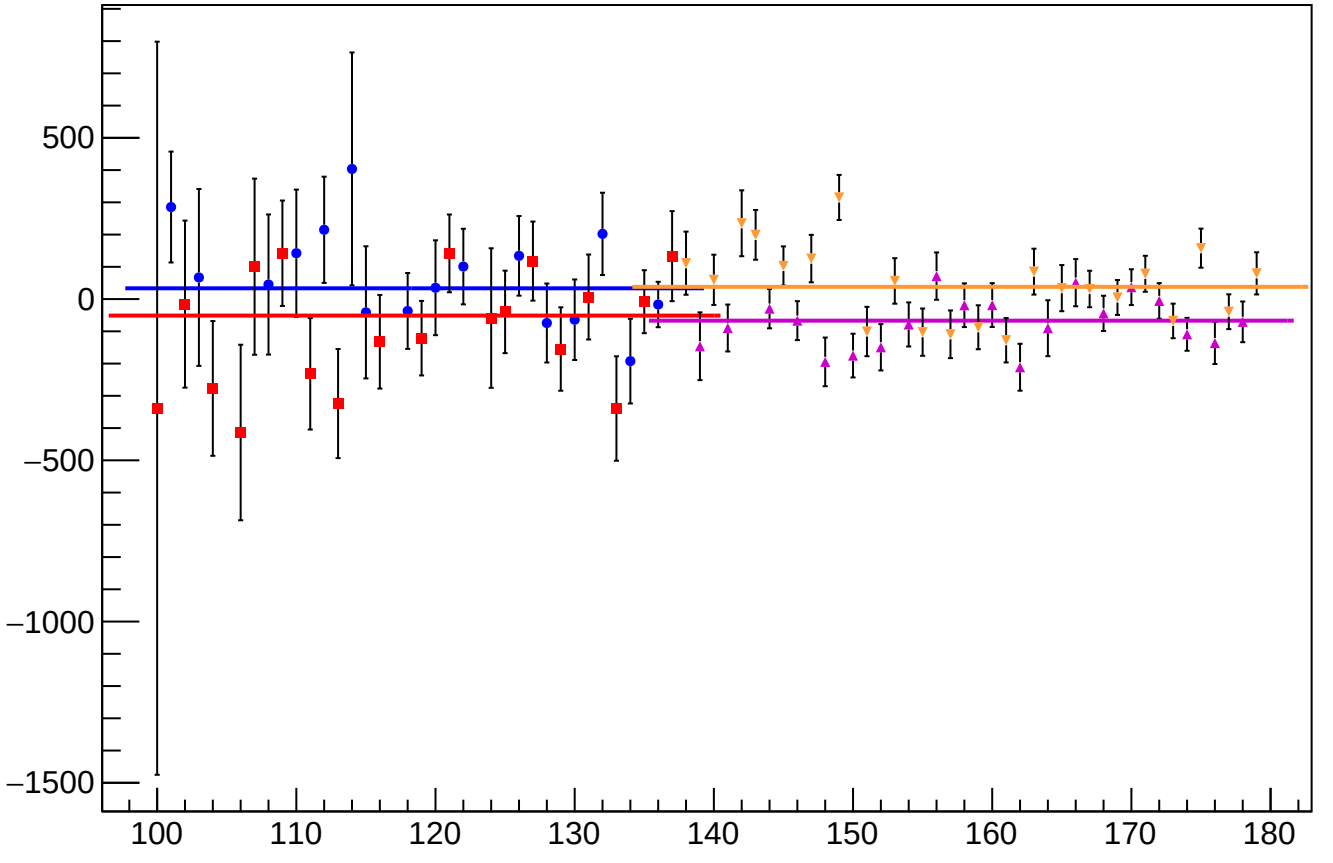
Left In: 488.770+/-0.089 χ^2/NDF:2118098.2/19

+ sign 544.956+/-0.084 χ^2/NDF: 7263300.0/37

All: 541.961+/-0.060 χ^2/NDF: 14989058.5/76

- sign 538.862+/-0.086 χ^2/NDF: 7723196.4/38

eigen_cor_asym_sam_3726_avg_mean vs Slug



Right In: 33.422+/-33.881 χ^2/NDF: 12.8/15

Left Out: 37.985+/-14.246 χ^2/NDF:58.8/21

Right Out: -51.188+/-34.853 χ^2/NDF: 19.5/18

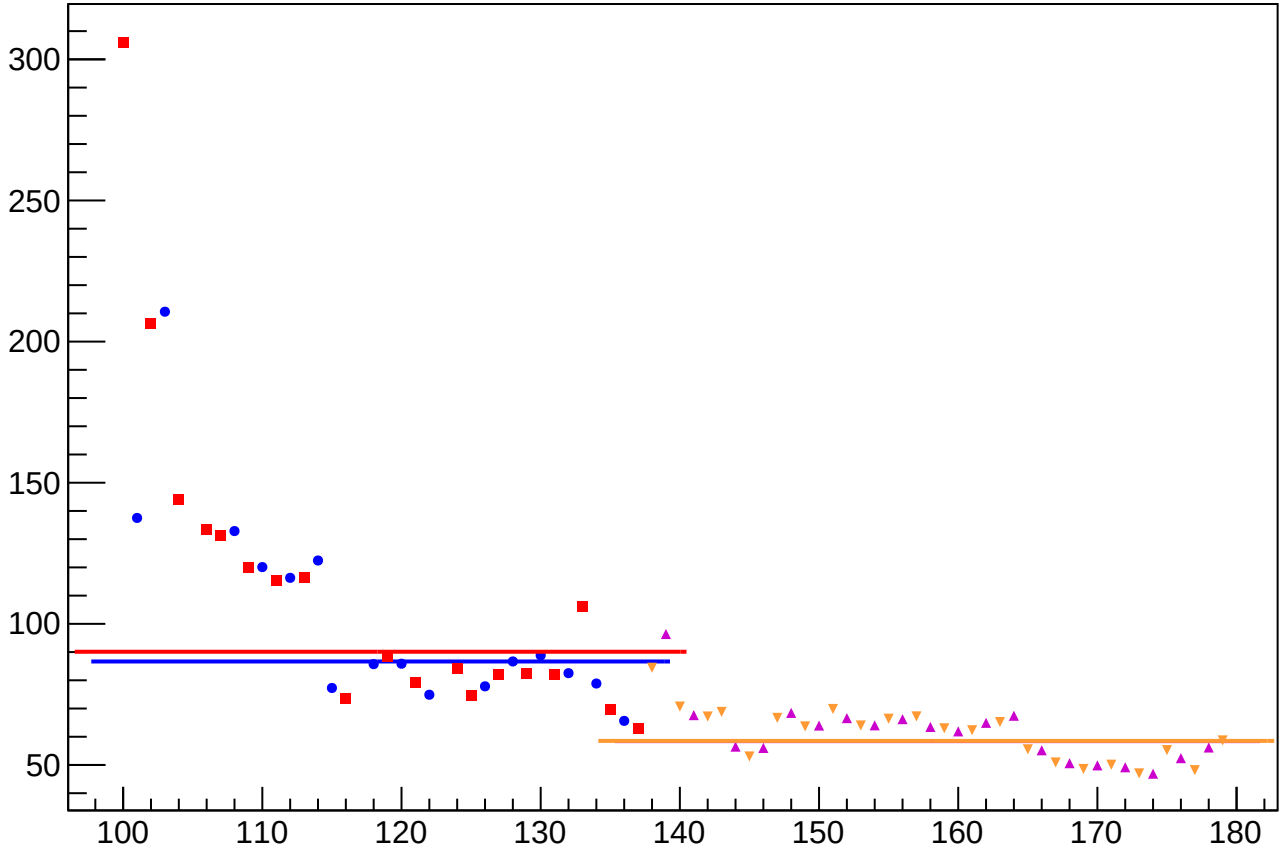
Left In: -66.904+/-14.728 χ^2/NDF:25.7/19

+ sign 37.299+/-13.132 χ^2/NDF: 71.6/37

All: -11.955+/-9.436 χ^2/NDF: 146.1/76

- sign -64.523+/-13.567 χ^2/NDF: 45.4/38

eigen_cor_asym_sam_3726_avg_rms vs Slug



Right In: 86.666+/-0.024 χ^2/NDF: 1038816.2/15

Left Out: 58.525+/-0.010 χ^2/NDF:754553.4/21

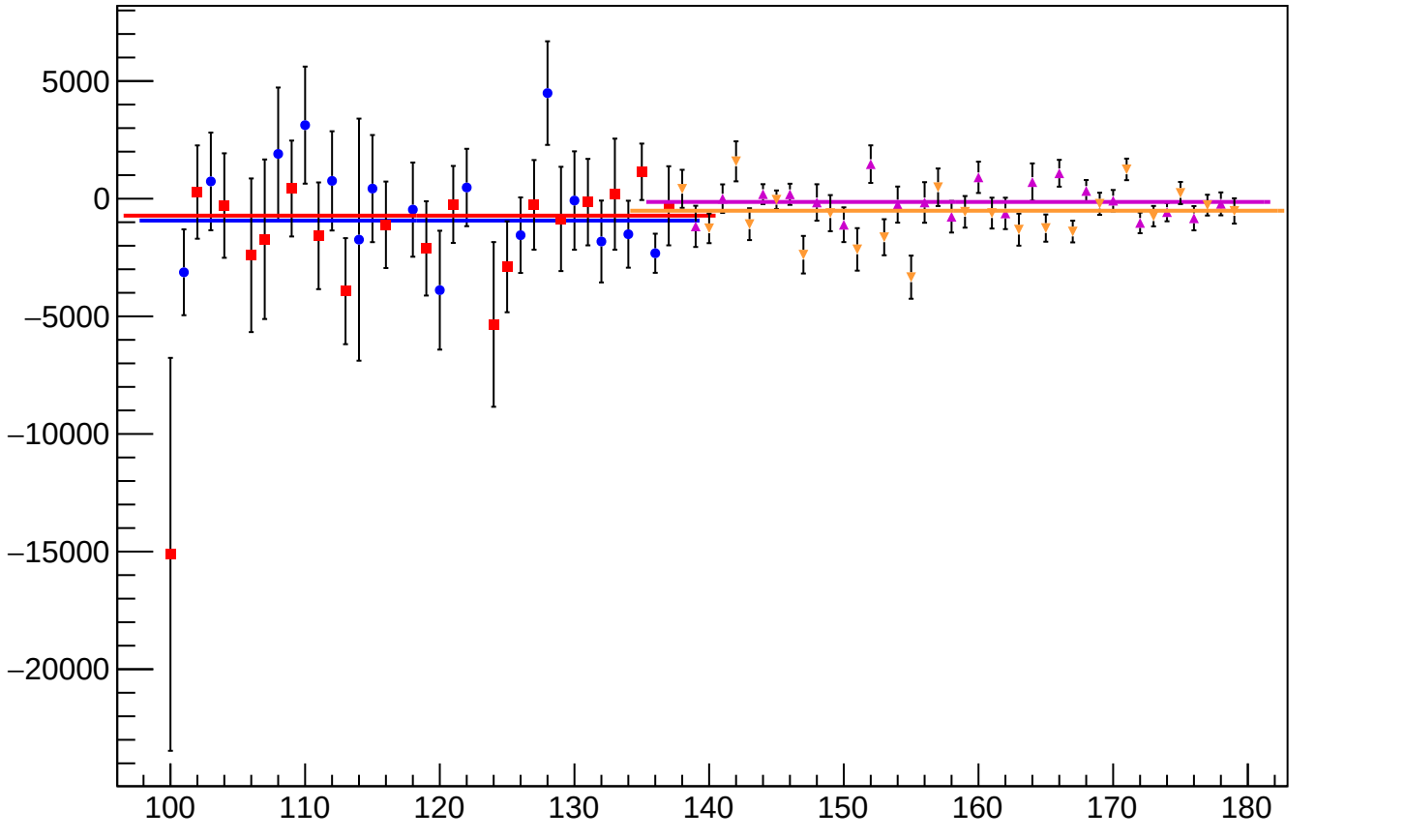
Right Out: 90.116+/-0.025 χ^2/NDF: 1145283.2/18

Left In: 58.447+/-0.010 χ^2/NDF:732855.9/19

+ sign 62.753+/-0.009 χ^2/NDF: 2965864.8/37

All: 62.991+/-0.007 χ^2/NDF: 6246377.1/76

- sign 63.246+/-0.010 χ^2/NDF: 3279148.4/38



Right In: -929.788+/-440.894 χ^2/NDF: 18.5/15

Left Out: -512.161+/-123.976 χ^2/NDF:57.9/21

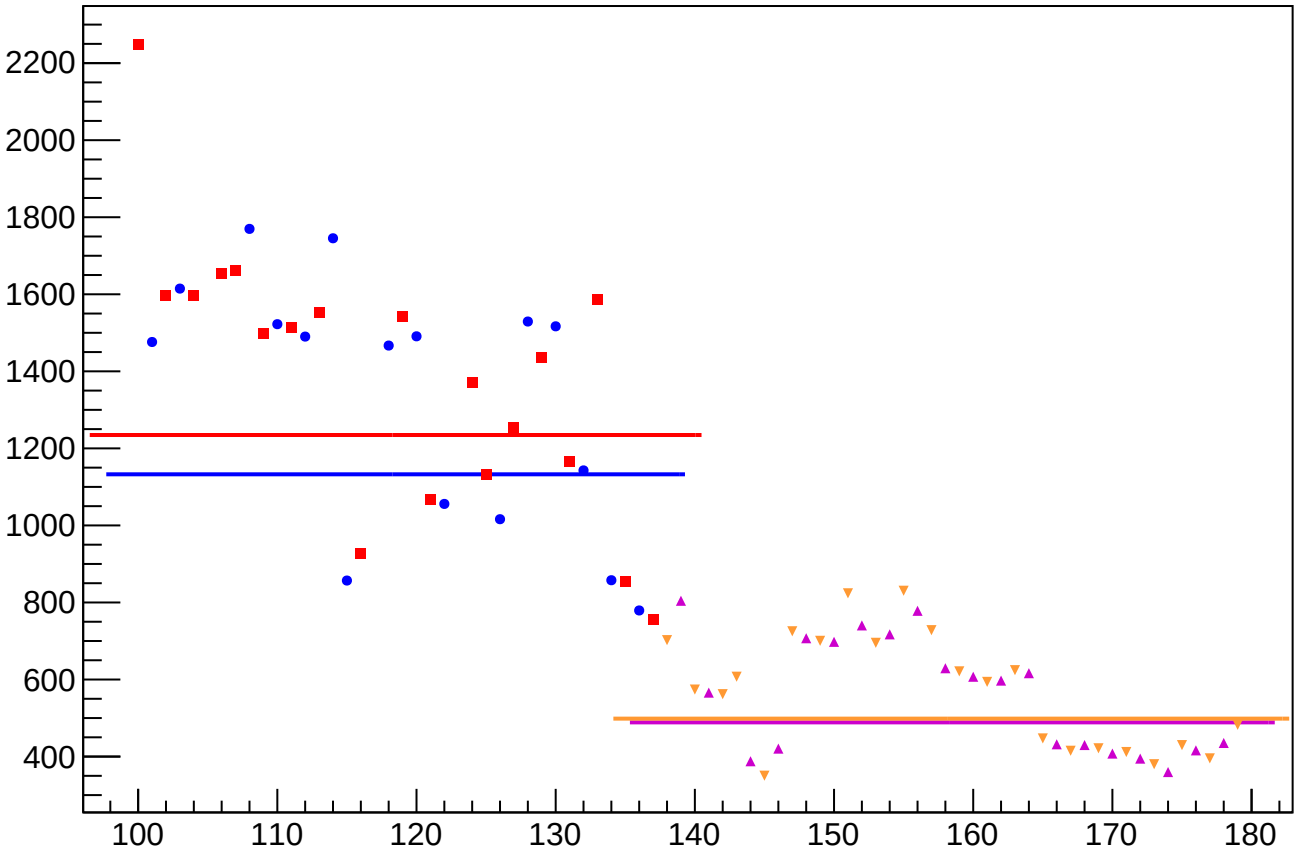
Right Out: -720.600+/-468.540 χ^2/NDF: 12.5/18

Left In: -138.285+/-125.711 χ^2/NDF:26.2/19

\+ sign -542.763+/-119.347 χ^2/NDF: 77.3/37

All: -363.216+/-85.114 χ^2/NDF: 122.0/76

\- sign -177.389+/-121.417 χ^2/NDF: 40.1/38



Right In: 1132.689+/-0.312 χ^2/NDF: 1124187.2/15

Left Out: 498.484+/-0.088 χ^2/NDF:2304061.4/21

Right Out: 1234.709+/-0.331 χ^2/NDF: 876272.4/18

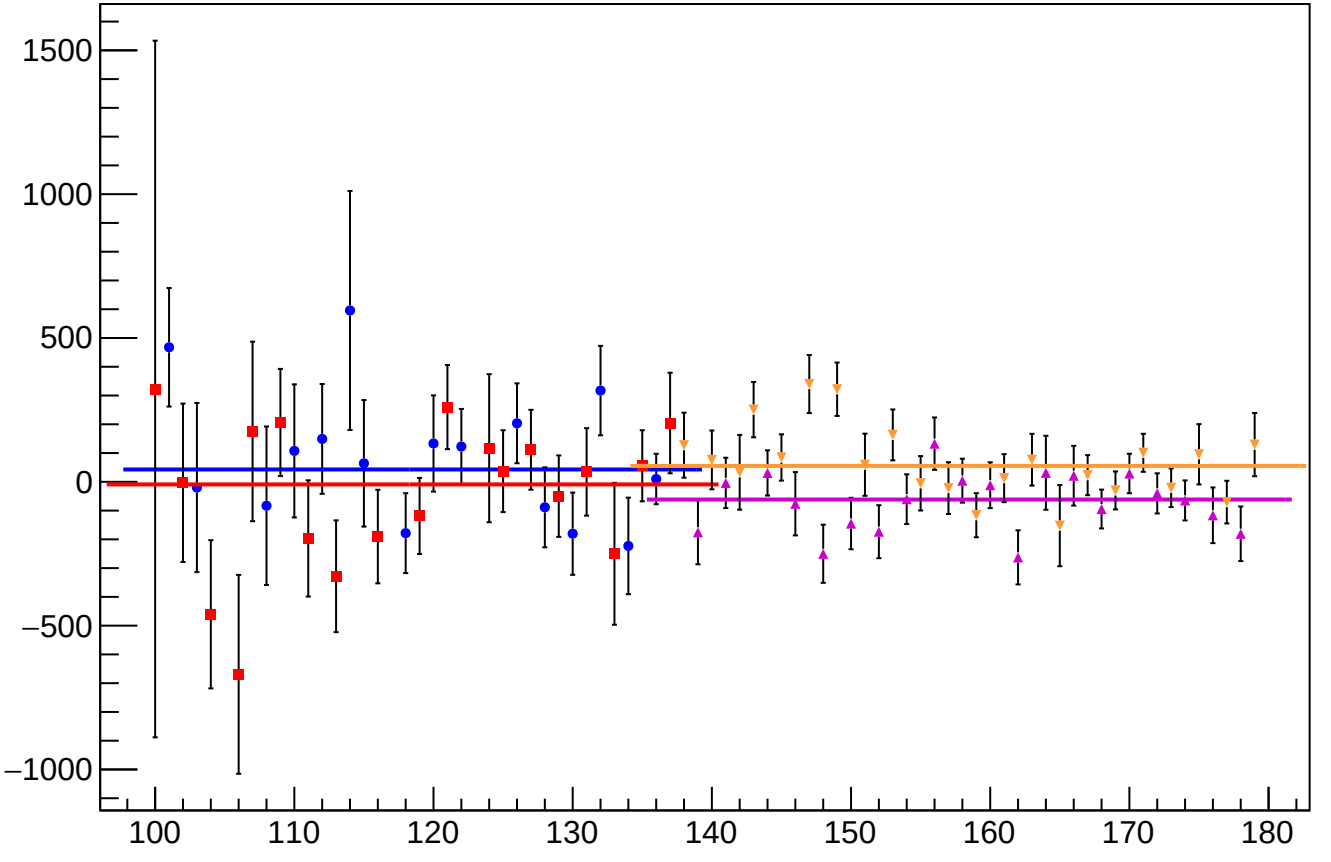
Left In: 488.770+/-0.089 χ^2/NDF:2118098.2/19

+ sign 544.956+/-0.084 χ^2/NDF: 7263300.0/37

All: 541.961+/-0.060 χ^2/NDF: 14989058.5/76

- sign 538.862+/-0.086 χ^2/NDF: 7723196.4/38

dit_asym_sam_3726_avg_mean vs Slug



Right In: 42.914+/-39.948 χ^2/NDF: 20.3/15

Left Out: 55.361+/-18.611 χ^2/NDF:38.2/21

Right Out: -8.989+/-41.060 χ^2/NDF: 21.3/18

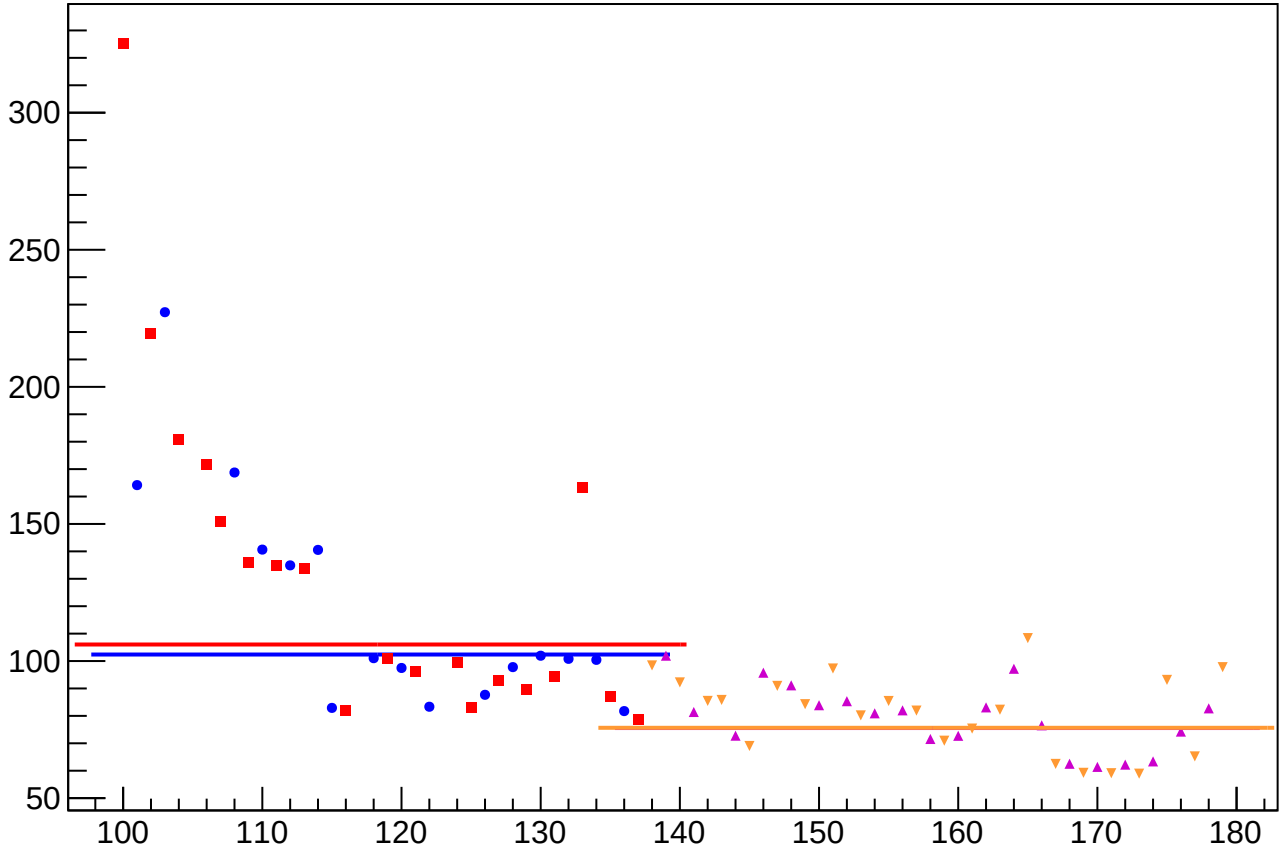
Left In: -61.599+/-19.214 χ^2/NDF:24.1/19

+ sign 53.142+/-16.870 χ^2/NDF: 58.6/37

All: 2.132+/-12.113 χ^2/NDF: 124.2/76

- sign -52.148+/-17.403 χ^2/NDF: 46.8/38

dit_asym_sam_3726_avg_rms vs Slug



Right In: 102.378+/-0.028 χ^2/NDF: 982311.5/15

Left Out: 75.652+/-0.013 χ^2/NDF:1106971.0/21

Right Out: 106.032+/-0.029 χ^2/NDF: 1191294.0/18

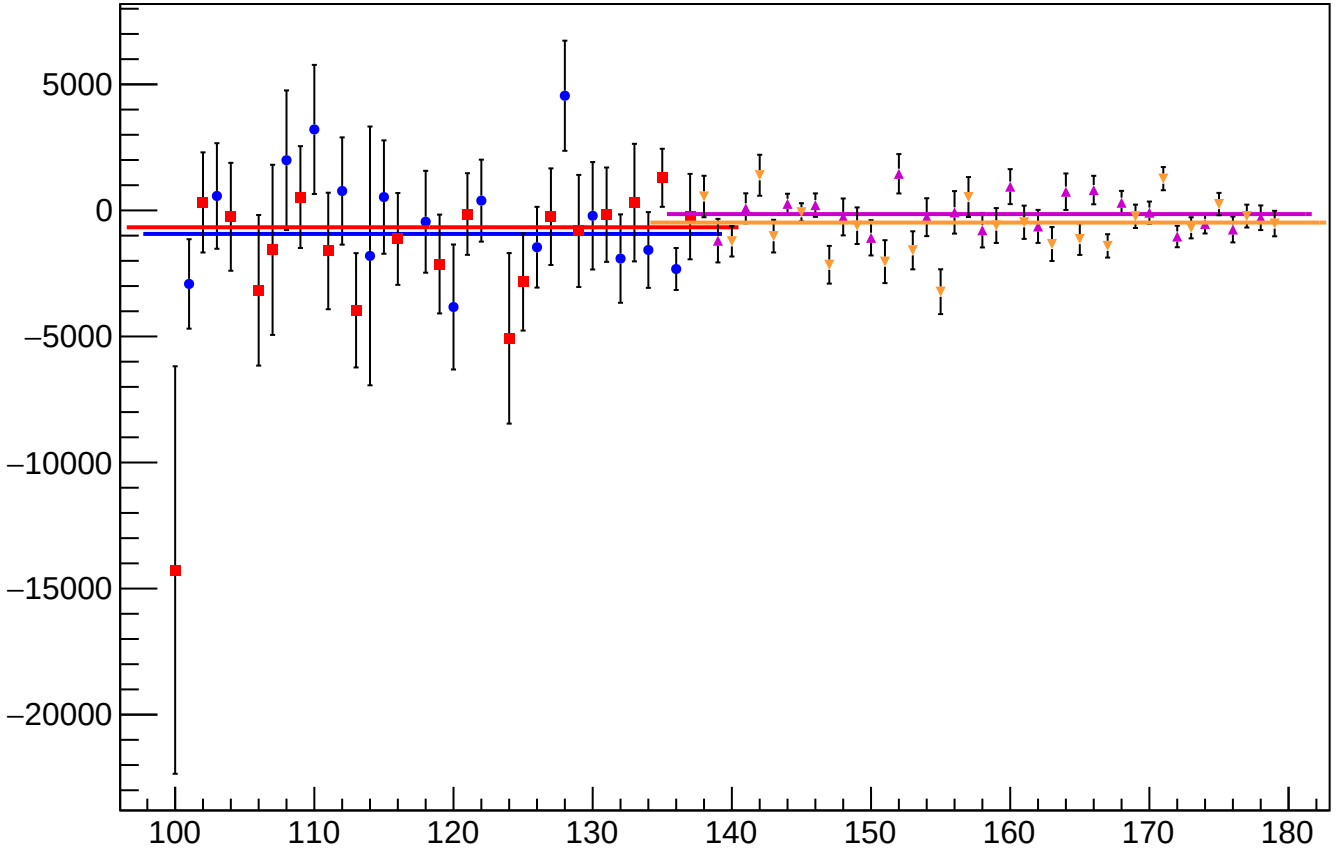
Left In: 75.565+/-0.014 χ^2/NDF:680203.5/19

+ sign 80.418+/-0.012 χ^2/NDF: 2824868.0/37

All: 80.719+/-0.009 χ^2/NDF: 5601046.7/76

- sign 81.038+/-0.012 χ^2/NDF: 2774868.3/38

asym_sam_3726_avg_dit_correction_mean vs Slug



Right In: -932.381+/-442.724 χ^2/NDF: 18.5/15

Left Out: -481.742+/-121.015 χ^2/NDF:56.7/21

Right Out: -668.521+/-463.213 χ^2/NDF: 13.5/18

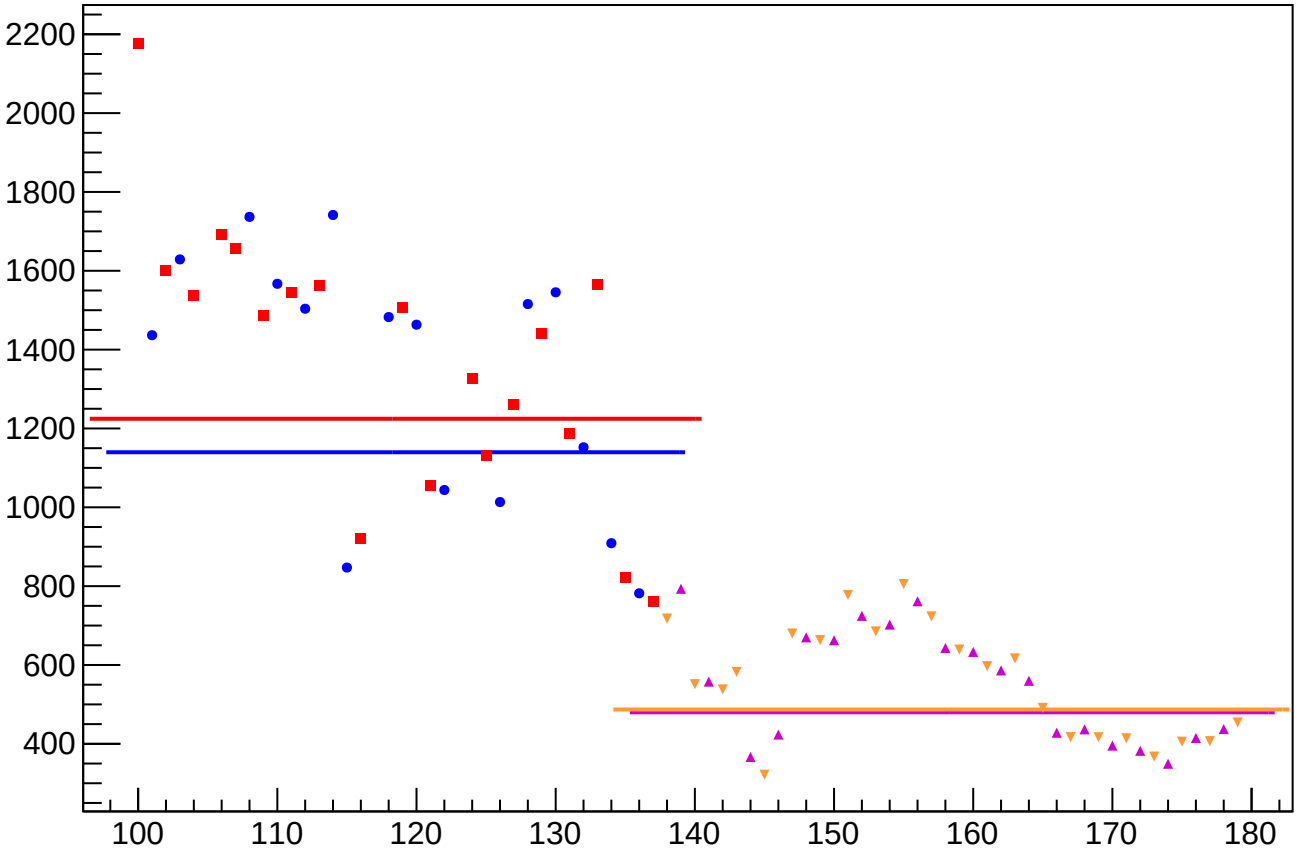
Left In: -145.326+/-123.572 χ^2/NDF:25.4/19

+ sign -513.071+/-116.733 χ^2/NDF: 76.1/37

All: -350.334+/-83.468 χ^2/NDF: 120.2/76

- sign -180.086+/-119.396 χ^2/NDF: 40.1/38

asym_sam_3726_avg_dit_correction_rms vs Slug



Right In: 1139.658+/-0.313 χ^2/NDF: 1093410.3/15

Left Out: 487.049+/-0.086 χ^2/NDF:2380953.5/21

Right Out: 1224.637+/-0.328 χ^2/NDF: 922388.4/18

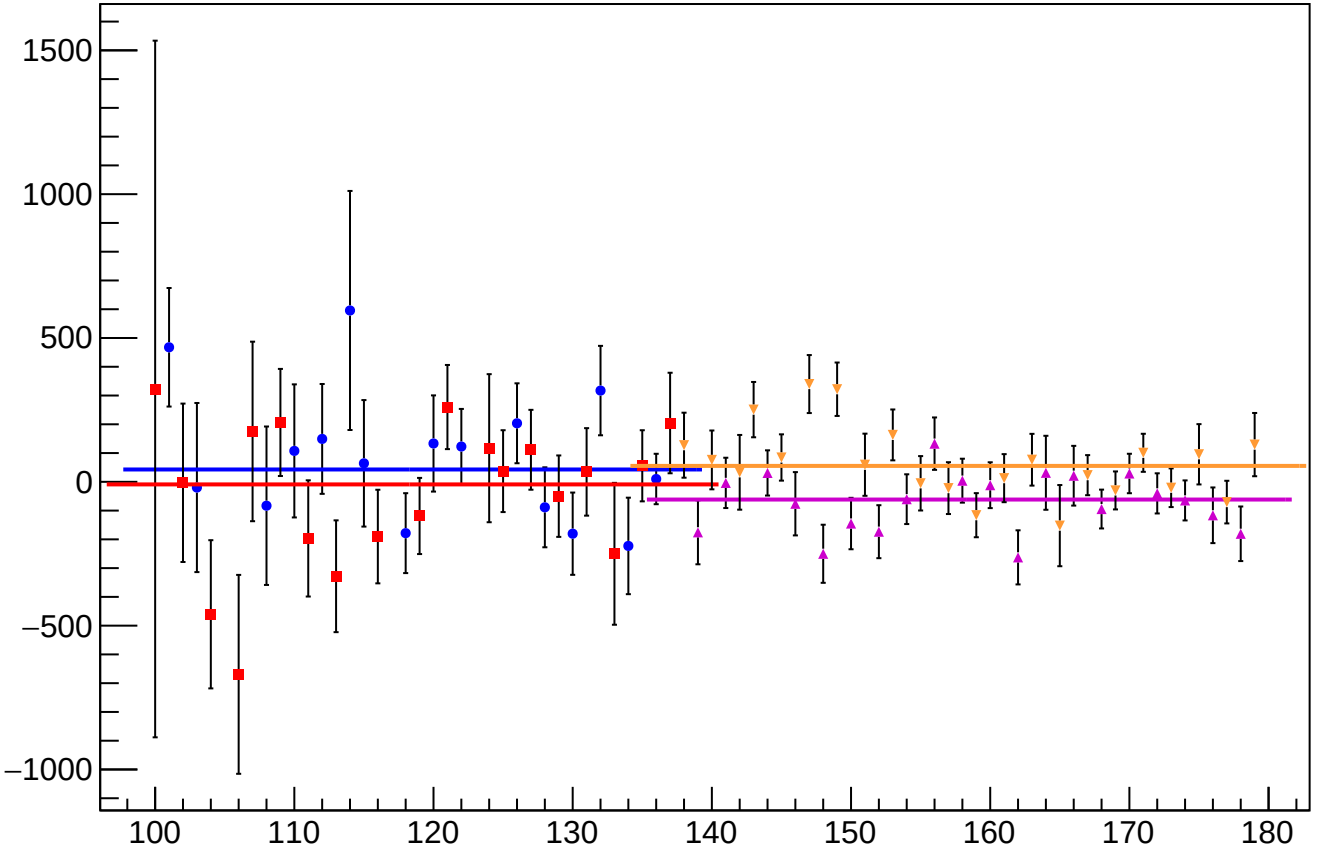
Left In: 479.859+/-0.087 χ^2/NDF:2138775.0/19

+ sign 532.420+/-0.083 χ^2/NDF: 7518021.2/37

All: 530.915+/-0.059 χ^2/NDF: 15406732.1/76

- sign 529.341+/-0.084 χ^2/NDF: 7888031.1/38

eigen_dit_asym_sam_3726_avg_mean vs Slug



Right In: 42.914+/-39.948 χ^2/NDF: 20.3/15

Left Out: 55.360+/-18.611 χ^2/NDF:38.2/21

Right Out: -8.986+/-41.060 χ^2/NDF: 21.3/18

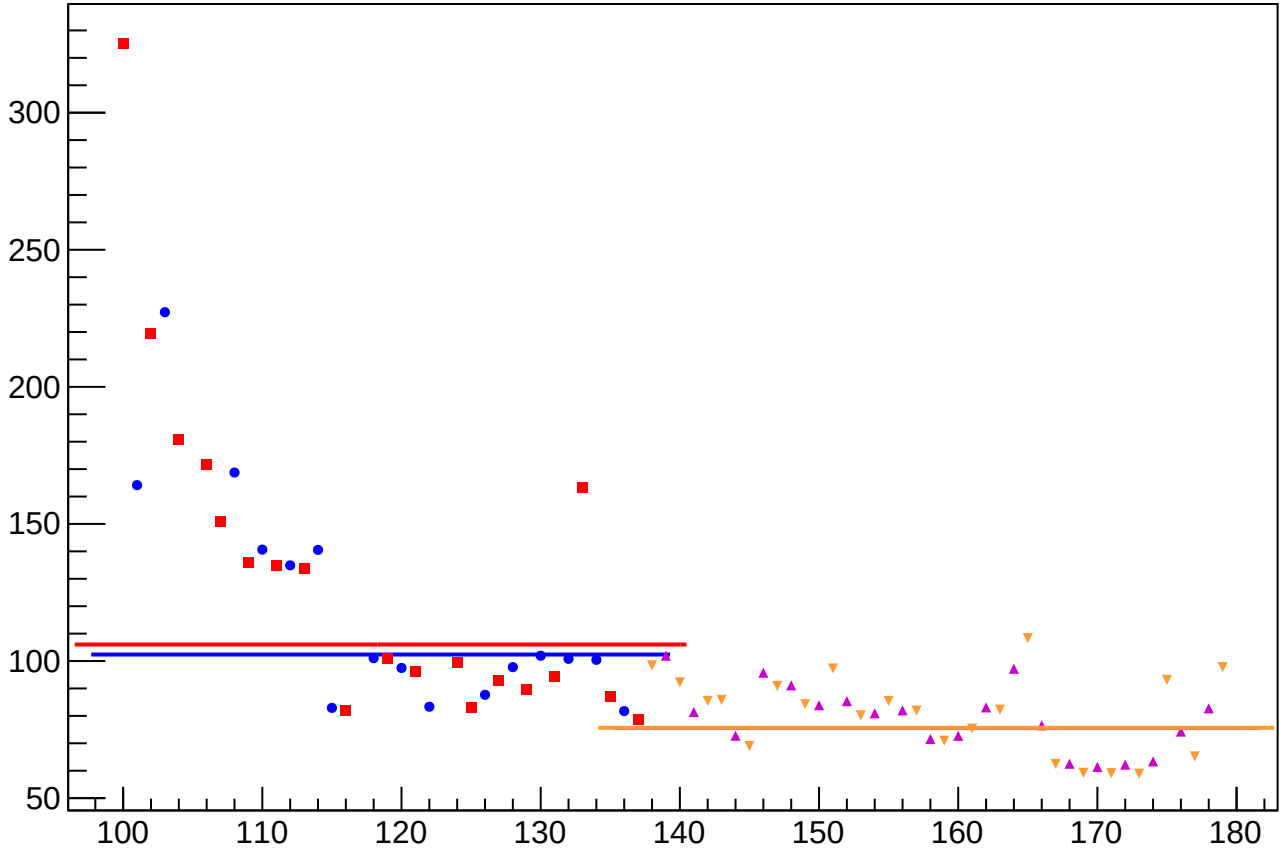
Left In: -61.598+/-19.214 χ^2/NDF:24.1/19

+ sign 53.141+/-16.870 χ^2/NDF: 58.6/37

All: 2.133+/-12.113 χ^2/NDF: 124.2/76

- sign -52.147+/-17.403 χ^2/NDF: 46.8/38

eigen_dit_asym_sam_3726_avg_rms vs Slug



Right In: 102.378+/-0.028 χ^2/NDF: 982307.0/15

Left Out: 75.652+/-0.013 χ^2/NDF:1106974.3/21

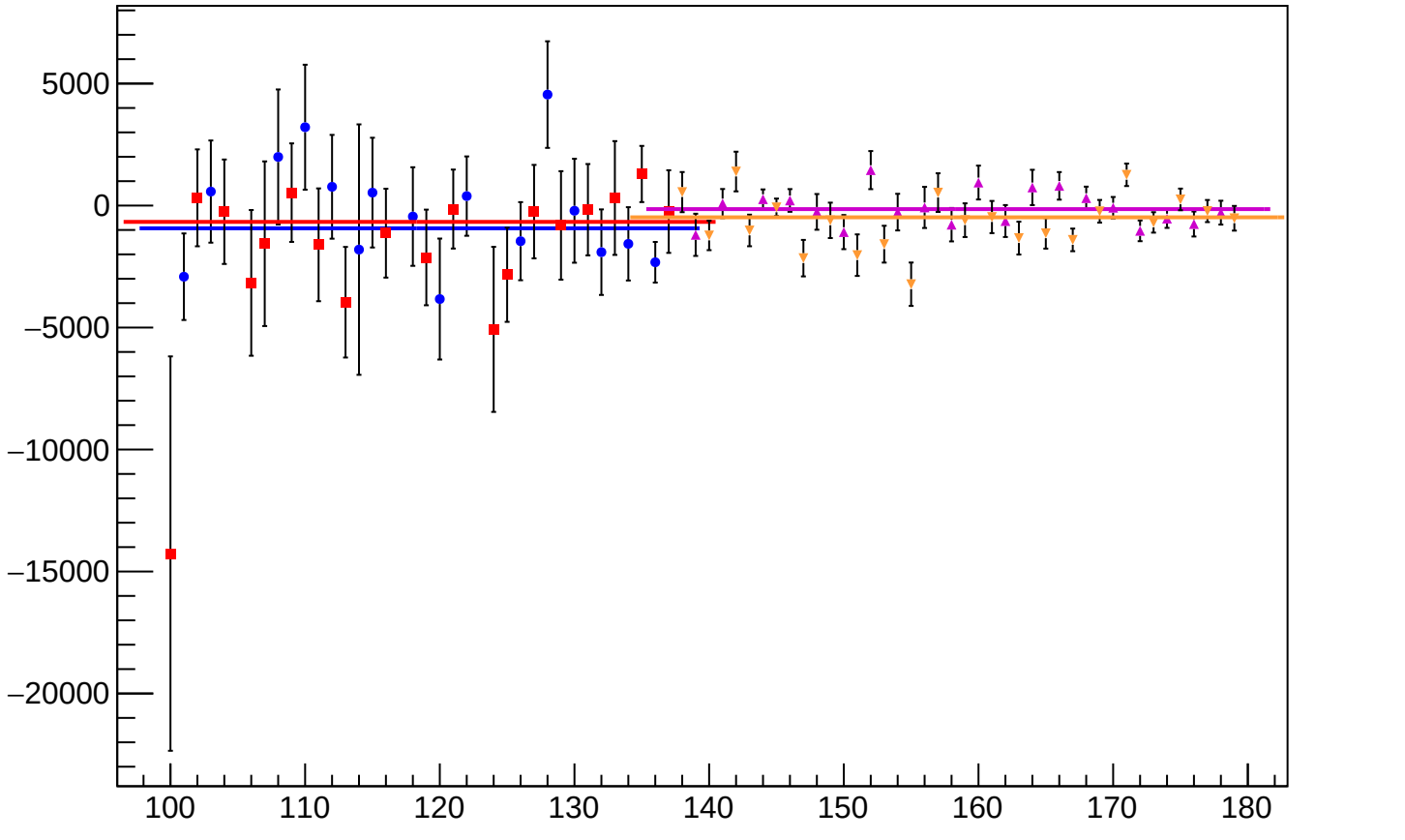
Right Out: 106.032+/-0.029 χ^2/NDF: 1191296.9/18

Left In: 75.566+/-0.014 χ^2/NDF:680198.8/19

+ sign 80.418+/-0.012 χ^2/NDF: 2824841.7/37

All: 80.719+/-0.009 χ^2/NDF: 5600995.3/76

- sign 81.039+/-0.012 χ^2/NDF: 2774842.9/38



Right In: -932.377+/-442.724 χ^2/NDF: 18.5/15

Left Out: -481.742+/-121.015 χ^2/NDF:56.7/21

Right Out: -668.522+/-463.212 χ^2/NDF: 13.5/18

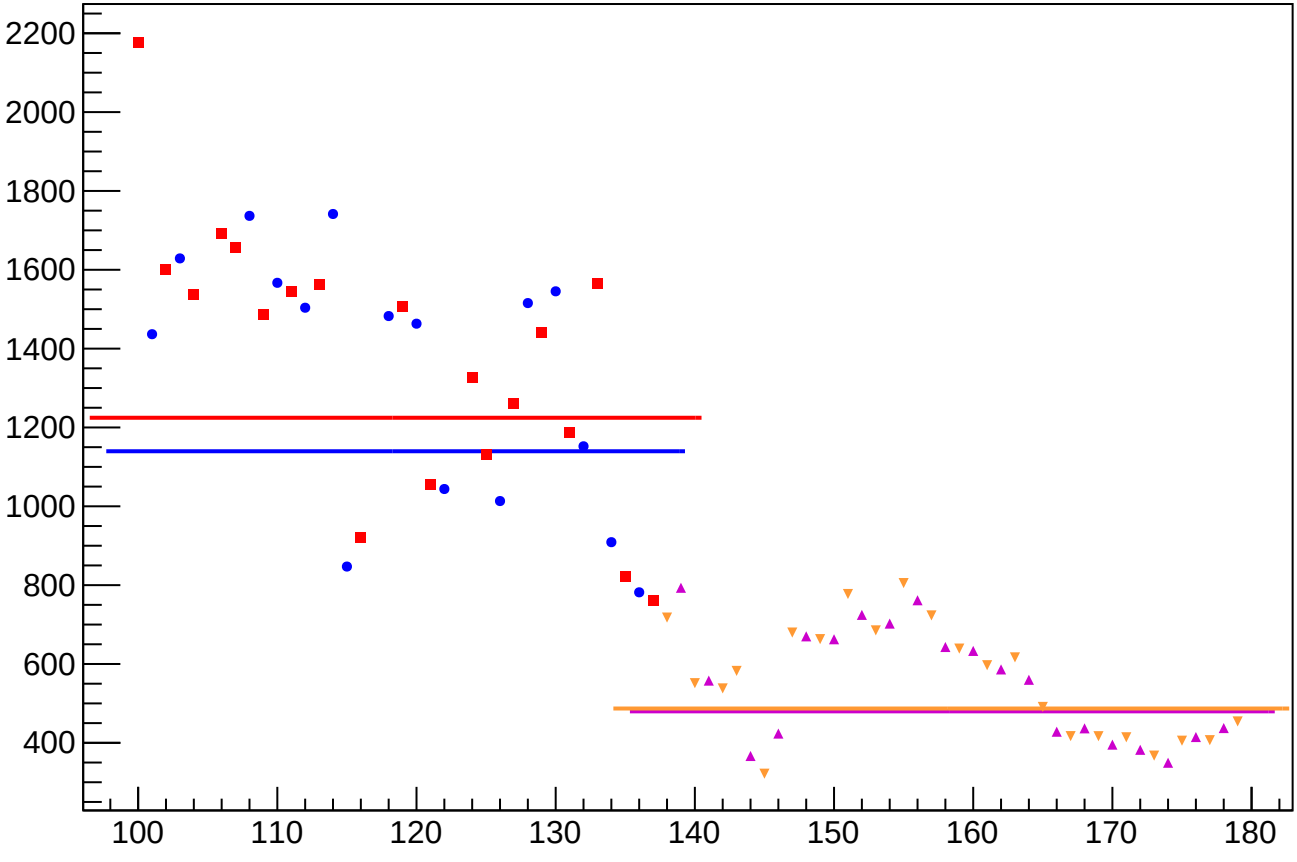
Left In: -145.325+/-123.572 χ^2/NDF:25.4/19

+ sign -513.071+/-116.733 χ^2/NDF: 76.1/37

All: -350.333+/-83.468 χ^2/NDF: 120.2/76

- sign -180.085+/-119.396 χ^2/NDF: 40.1/38

asym_sam_3726_avg_eigen_dit_correction_rms vs Slug



Right In: 1139.656+/-0.313 χ^2/NDF: 1093397.5/15

Left Out: 487.049+/-0.086 χ^2/NDF:2380957.7/21

Right Out: 1224.635+/-0.328 χ^2/NDF: 922378.0/18

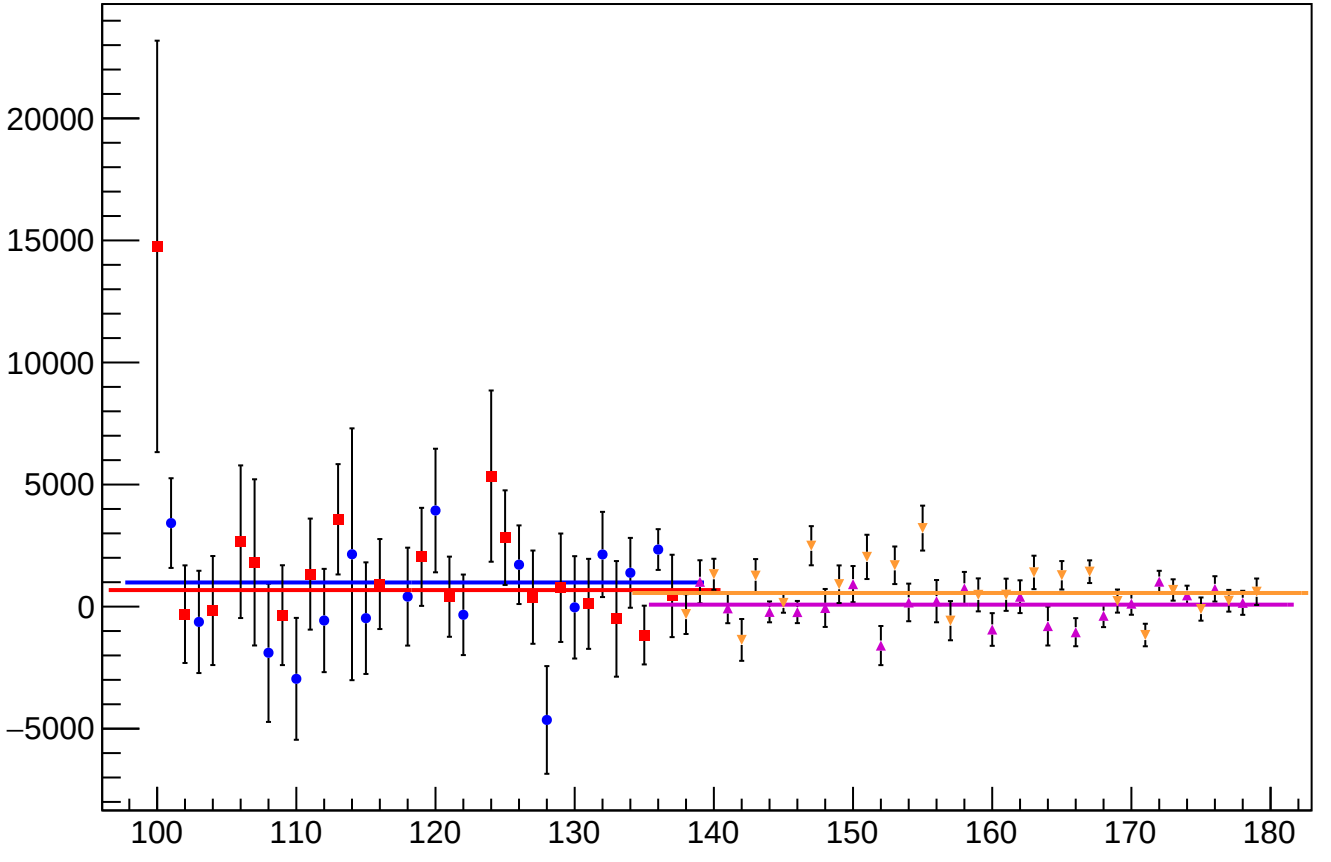
Left In: 479.859+/-0.087 χ^2/NDF:2138768.2/19

+ sign 532.419+/-0.083 χ^2/NDF: 7518014.0/37

All: 530.915+/-0.059 χ^2/NDF: 15406702.0/76

- sign 529.341+/-0.084 χ^2/NDF: 7888008.3/38

asym_sam_3726_avg_mean vs Slug



Right In: 989.322+/-442.634 χ^2/NDF: 19.0/15

Left Out: 558.669+/-124.888 χ^2/NDF:54.5/21

Right Out: 677.628+/-469.652 χ^2/NDF: 11.9/18

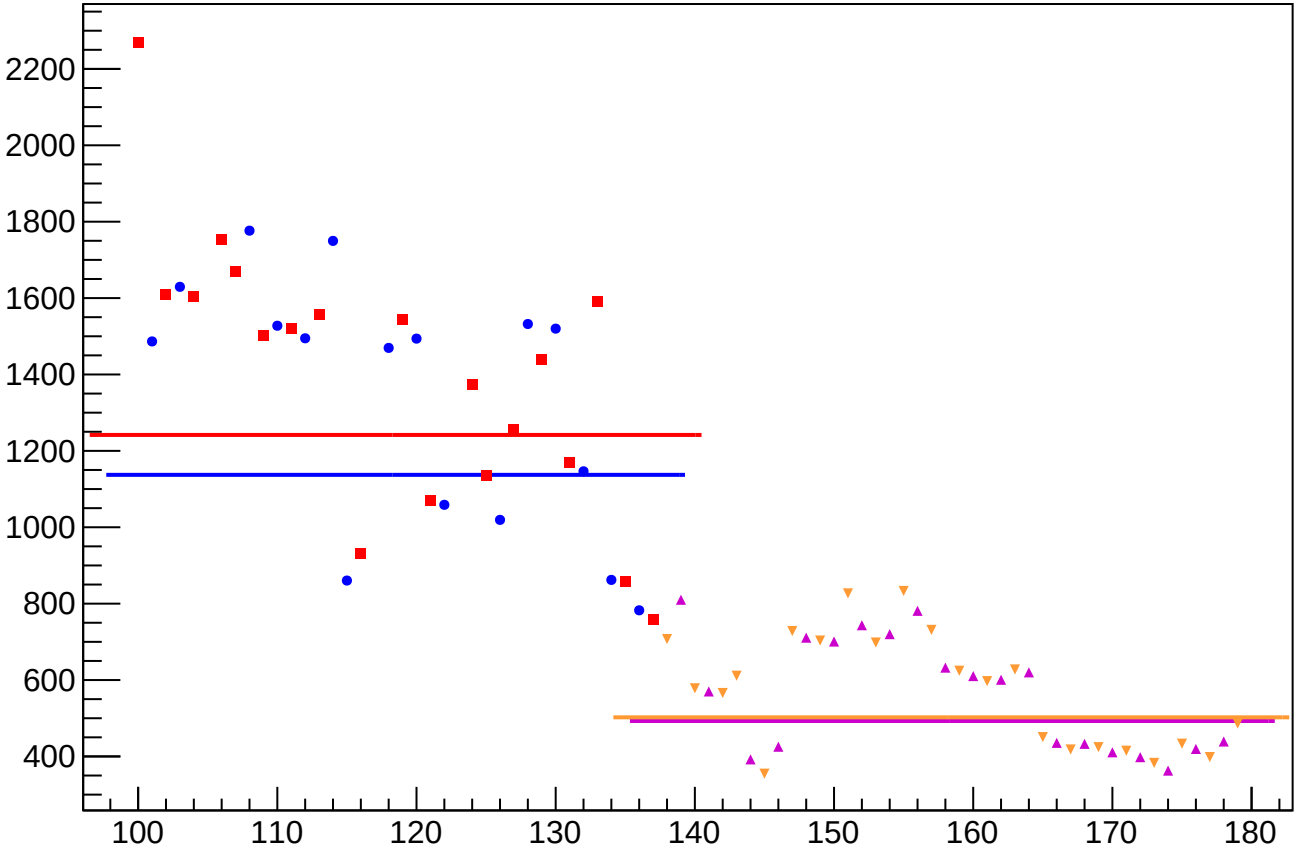
Left In: 80.188+/-126.690 χ^2/NDF:24.4/19

+ sign 590.424+/-120.195 χ^2/NDF: 74.4/37

All: 359.679+/-85.731 χ^2/NDF: 119.8/76

- sign 120.712+/-122.317 χ^2/NDF: 37.8/38

asym_sam_3726_avg_rms vs Slug



Right In: 1137.220+/-0.313 χ^2/NDF: 1123685.6/15

Left Out: 502.373+/-0.088 χ^2/NDF:2275187.8/21

Right Out: 1241.709+/-0.332 χ^2/NDF: 899417.9/18

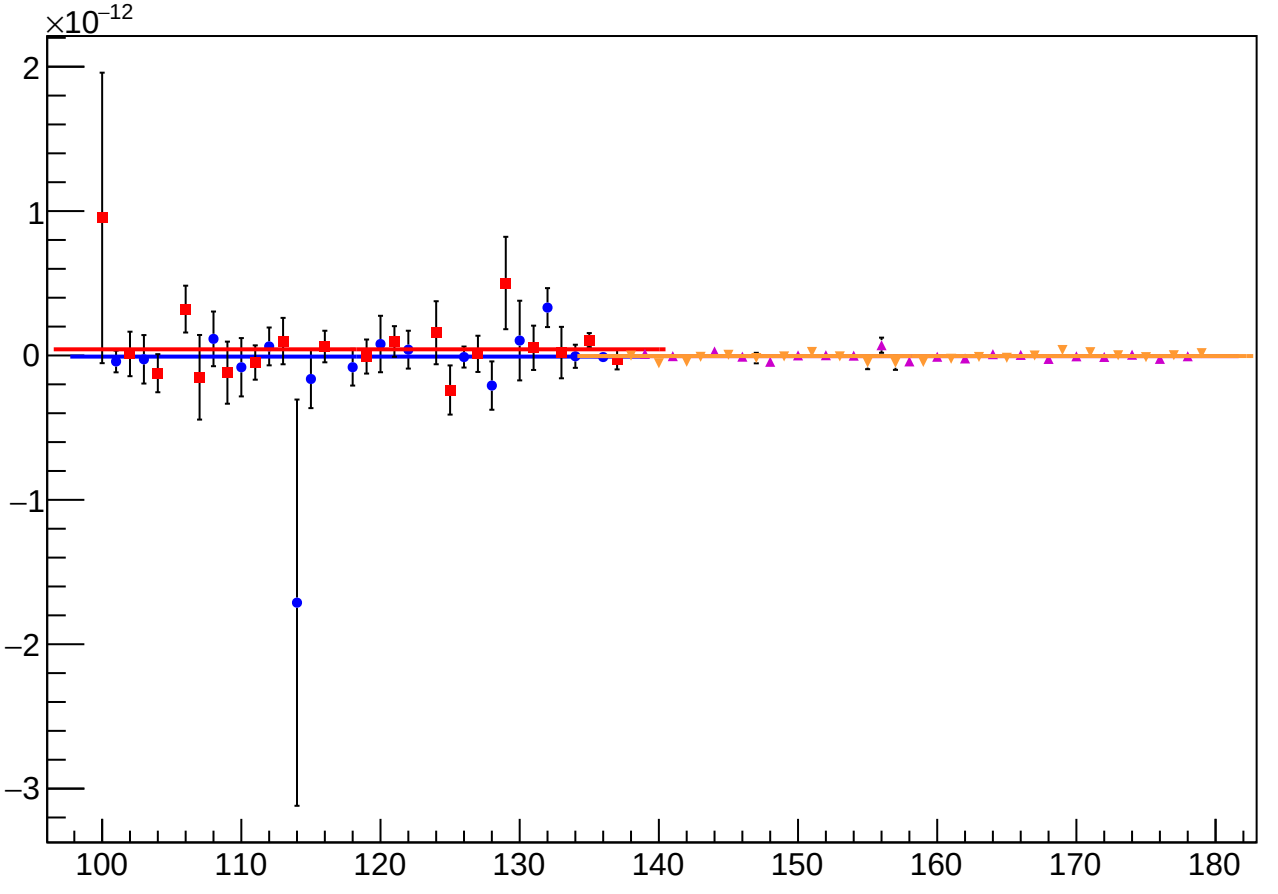
Left In: 492.799+/-0.090 χ^2/NDF:2091295.5/19

+ sign 549.184+/-0.085 χ^2/NDF: 7209643.7/37

All: 546.440+/-0.061 χ^2/NDF: 14943064.7/76

- sign 543.598+/-0.086 χ^2/NDF: 7731299.0/38

asym_sam_3726_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 11.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:27.9/21

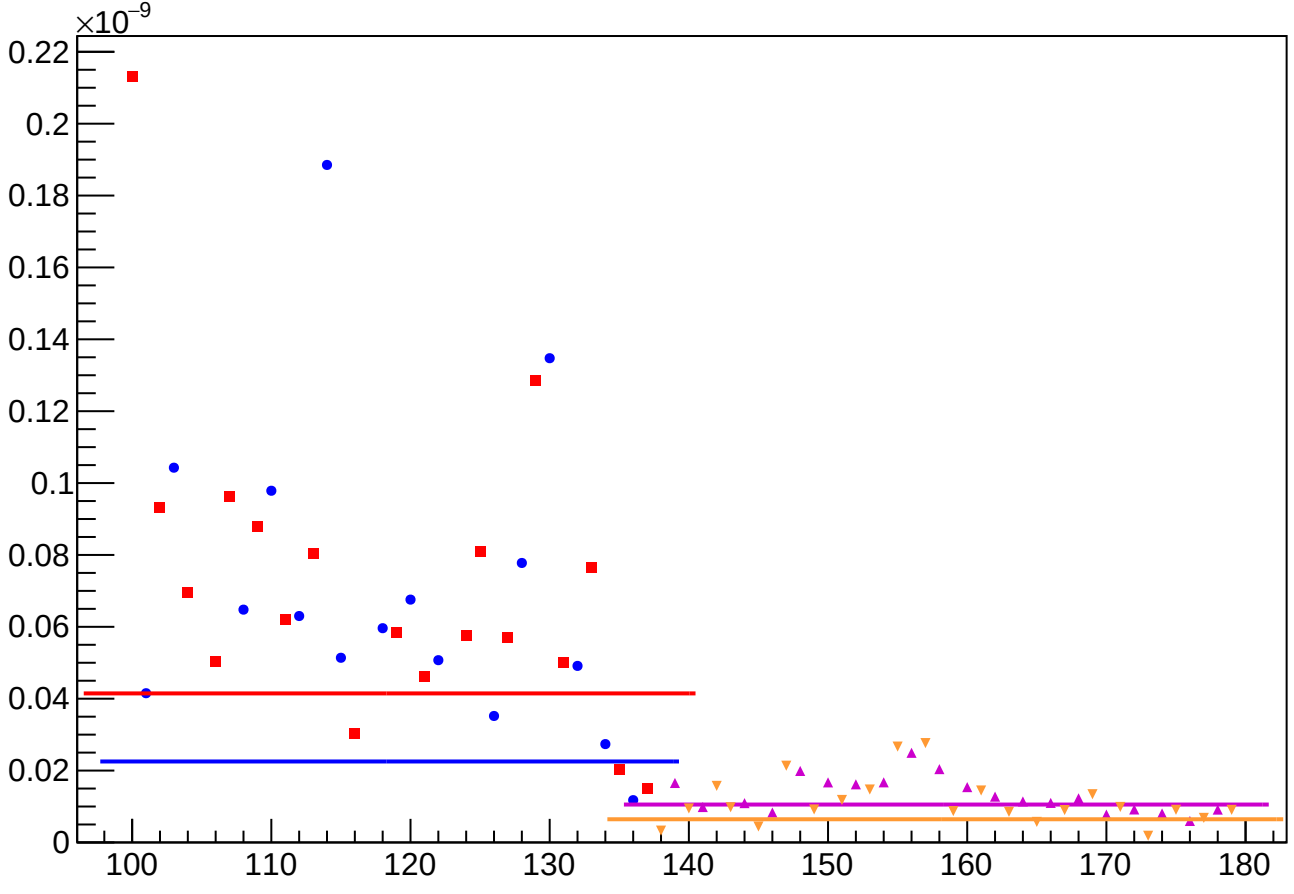
Right Out: 0.000+/-0.000 χ^2/NDF: 15.5/18

Left In: -0.000+/-0.000 χ^2/NDF:13.1/19

+ sign -0.000+/-0.000 χ^2/NDF: 39.7/37

All: -0.000+/-0.000 χ^2/NDF: 71.3/76

- sign -0.000+/-0.000 χ^2/NDF: 31.6/38



Right In: 0.000+/-0.000 χ^2/NDF: 2852766.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:3713727.7/21

Right Out: 0.000+/-0.000 χ^2/NDF: 1847735.6/18

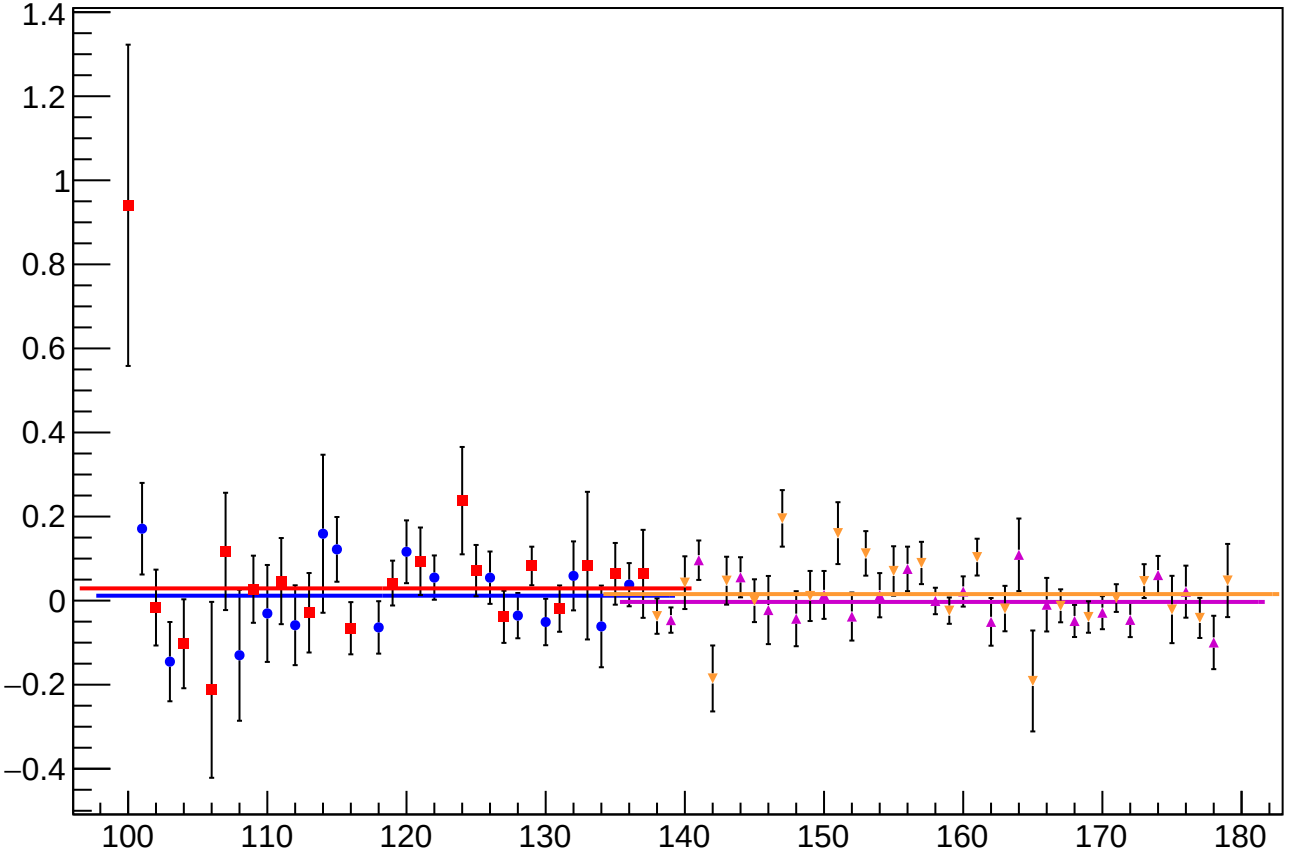
Left In: 0.000+/-0.000 χ^2/NDF:1350531.8/19

+ sign 0.000+/-0.000 χ^2/NDF: 8226048.6/37

All: 0.000+/-0.000 χ^2/NDF: 15231726.1/76

- sign 0.000+/-0.000 χ^2/NDF: 5735257.6/38

asym_sam_3726_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.016+/-0.011 χ^2/NDF:40.2/21

Right Out: 0.029+/-0.018 χ^2/NDF: 19.5/18

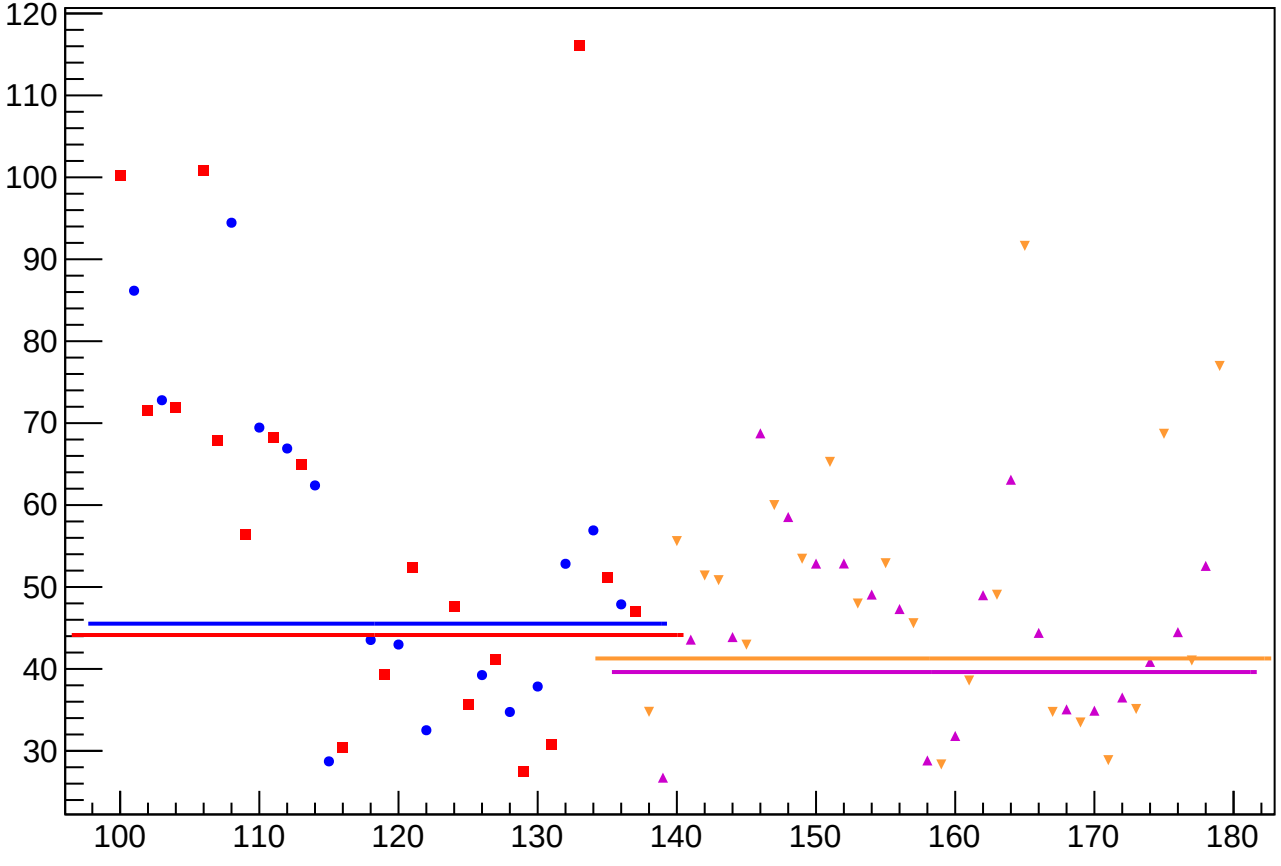
Left In: -0.003+/-0.010 χ^2/NDF:21.4/19

+ sign 0.015+/-0.009 χ^2/NDF: 57.1/37

All: 0.010+/-0.006 χ^2/NDF: 101.0/76

- sign 0.005+/-0.009 χ^2/NDF: 43.4/38

asym_sam_3726_avg_dit_vs_cor_diff_rms vs Slug



Right In: 45.525+/-0.013 χ^2/NDF: 1253967.4/15

Left Out: 41.279+/-0.007 χ^2/NDF:2605693.2/21

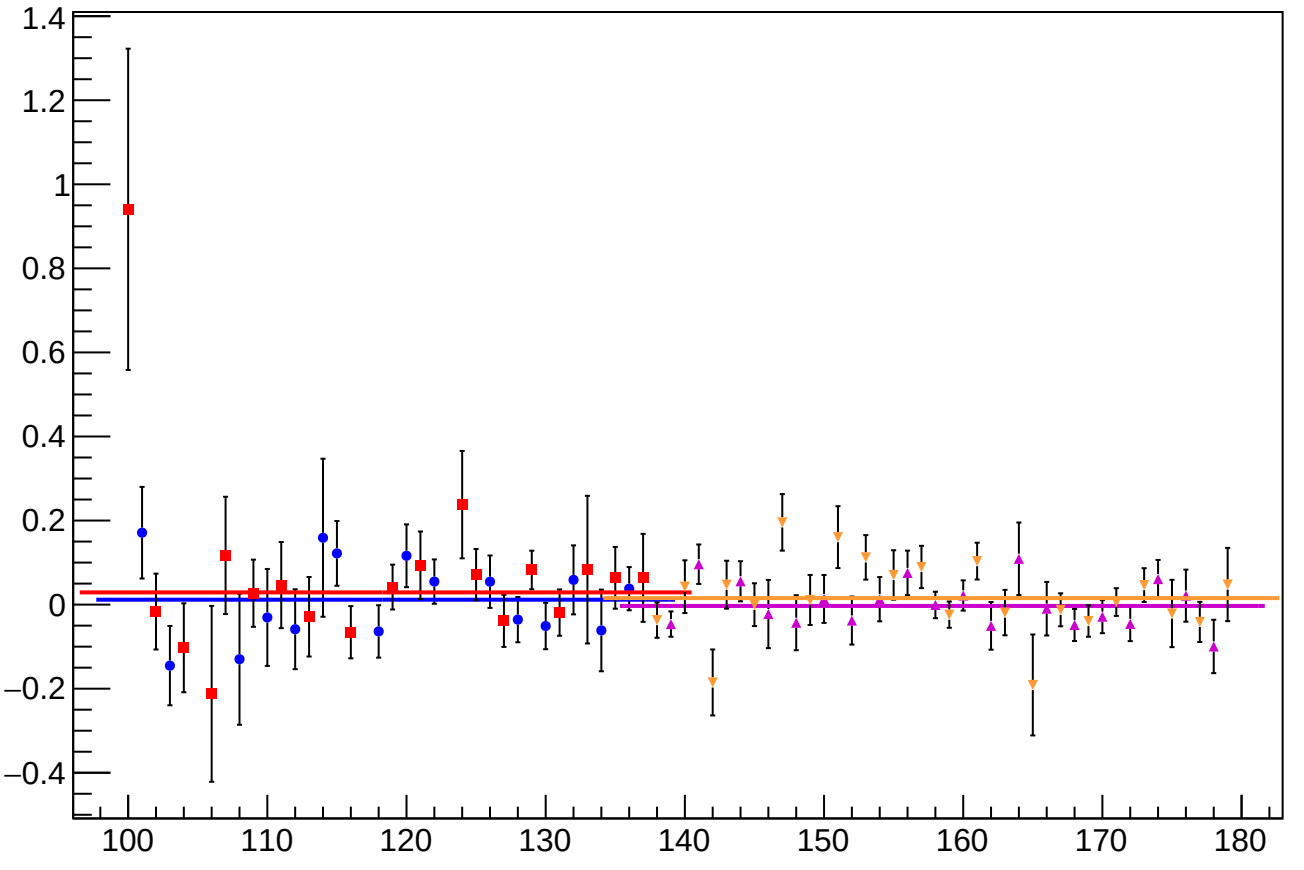
Right Out: 44.141+/-0.013 χ^2/NDF: 1743430.9/18

Left In: 39.621+/-0.007 χ^2/NDF:1852620.1/19

+ sign 42.337+/-0.006 χ^2/NDF: 3940333.0/37

All: 41.548+/-0.005 χ^2/NDF: 7660921.9/76

- sign 40.777+/-0.006 χ^2/NDF: 3691150.9/38



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.016+/-0.011 χ^2/NDF:40.2/21

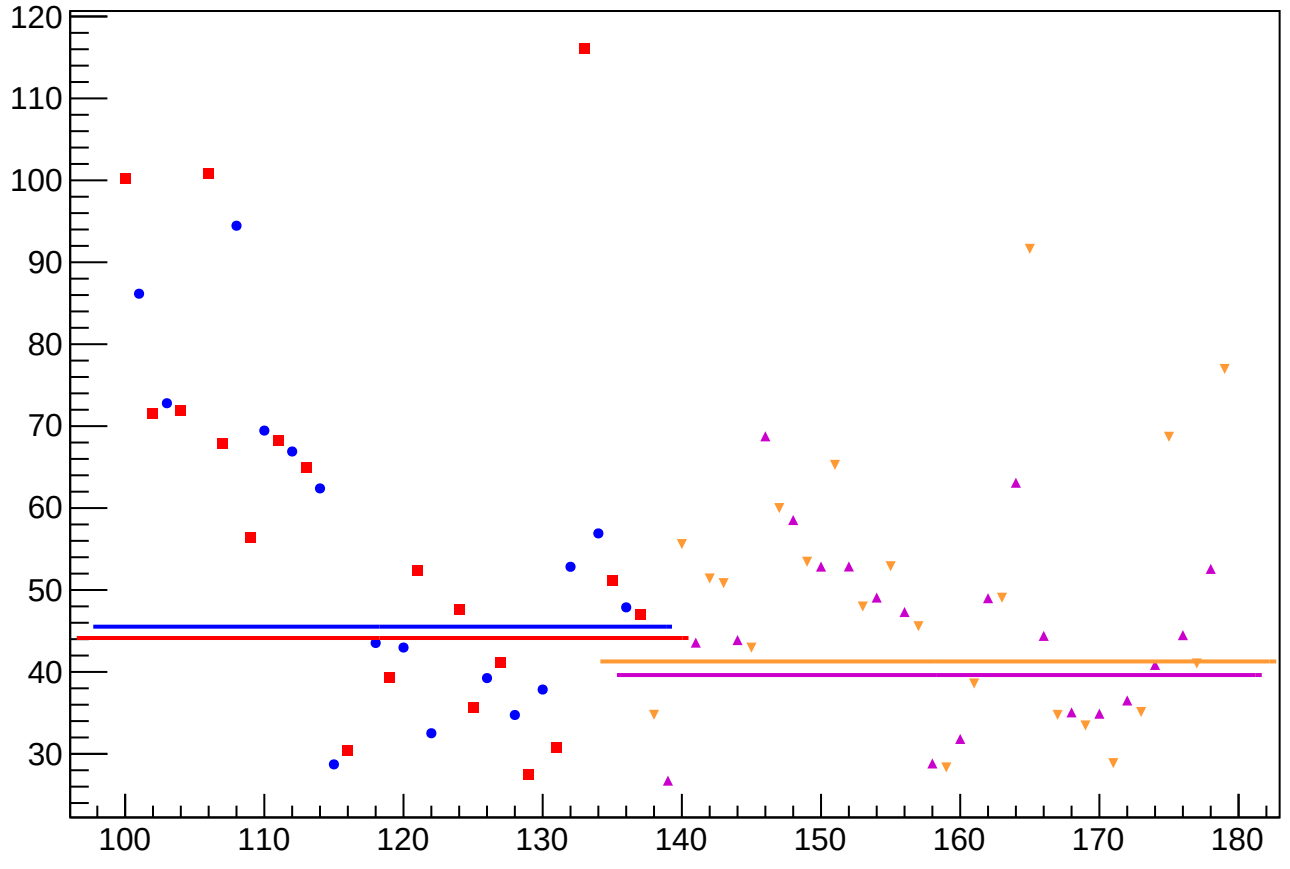
Right Out: 0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: -0.003+/-0.010 χ^2/NDF:21.4/19

+ sign 0.015+/-0.009 χ^2/NDF: 57.1/37

All: 0.010+/-0.006 χ^2/NDF: 101.0/76

- sign 0.005+/-0.009 χ^2/NDF: 43.4/38



Right In: 45.525+/-0.013 χ^2/NDF: 1253967.4/15

Left Out: 41.279+/-0.007 χ^2/NDF:2605693.2/21

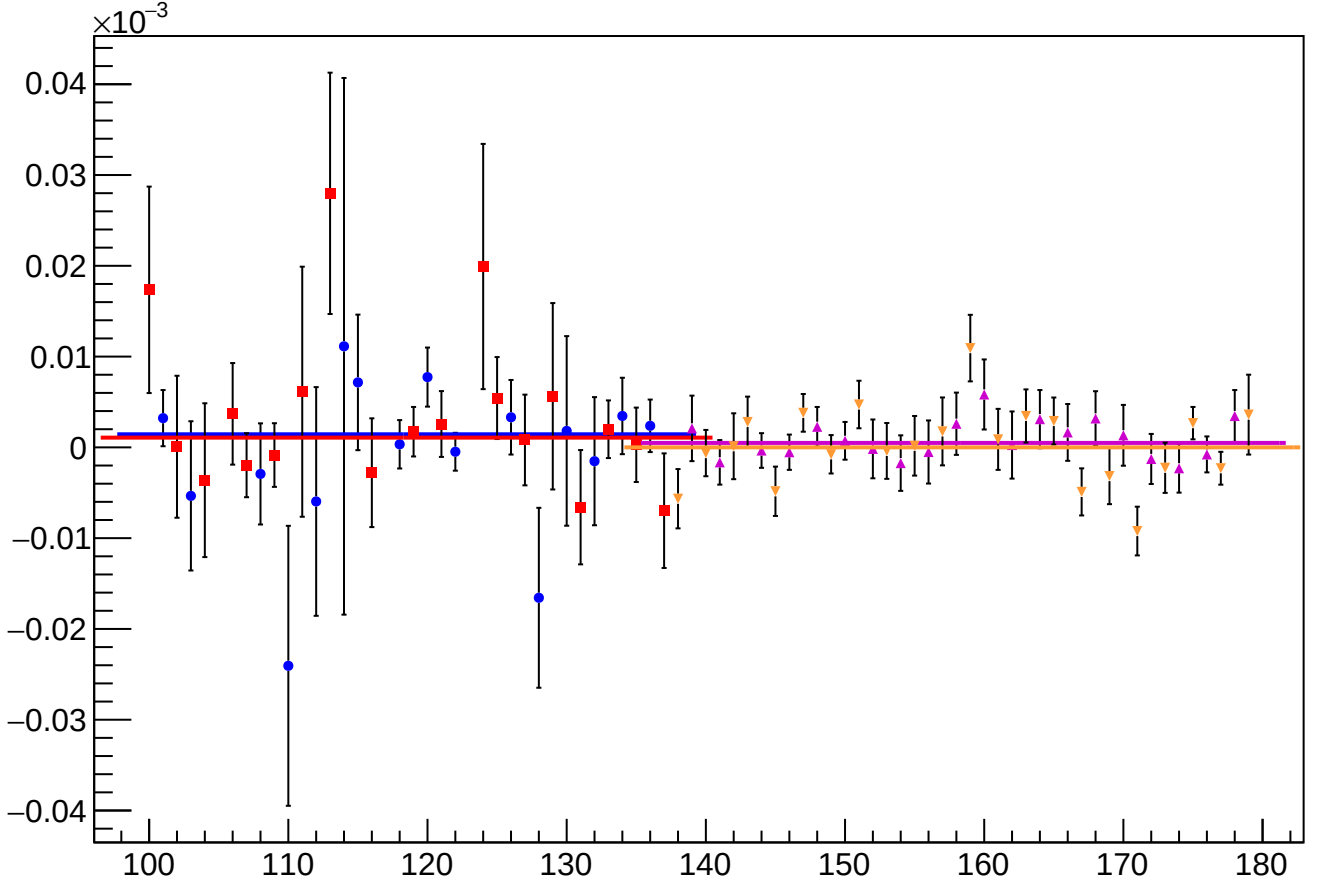
Right Out: 44.141+/-0.013 χ^2/NDF: 1743430.9/18

Left In: 39.621+/-0.007 χ^2/NDF:1852620.1/19

+ sign 42.337+/-0.006 χ^2/NDF: 3940333.0/37

All: 41.548+/-0.005 χ^2/NDF: 7660921.9/76

- sign 40.777+/-0.006 χ^2/NDF: 3691150.9/38



Right In: 0.000+/-0.000 χ^2/NDF: 14.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:47.4/21

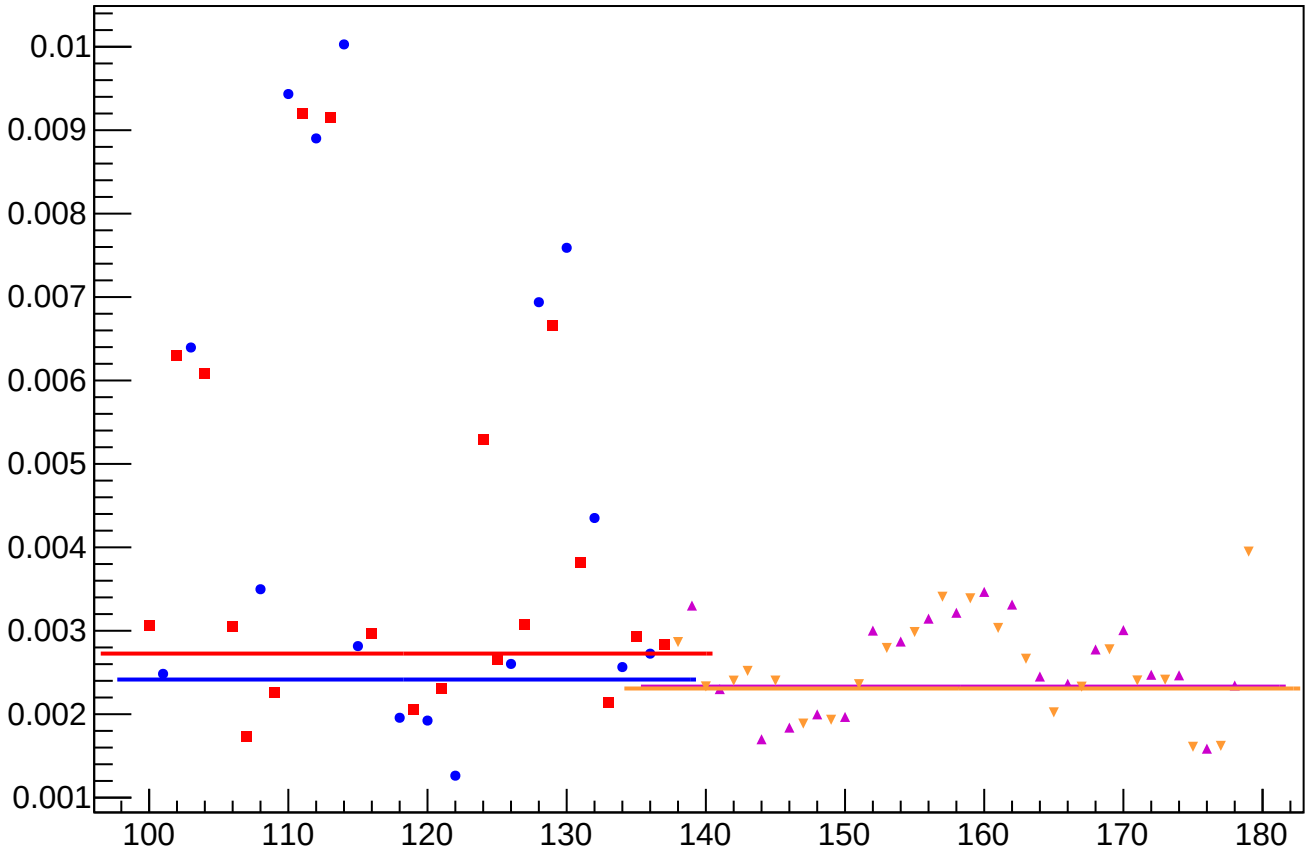
Right Out: 0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: 0.000+/-0.000 χ^2/NDF:9.7/19

+ sign 0.000+/-0.000 χ^2/NDF: 63.1/37

All: 0.000+/-0.000 χ^2/NDF: 88.0/76

- sign 0.000+/-0.000 χ^2/NDF: 24.7/38



Right In: 0.002+/-0.000 χ^2/NDF: 3432108.8/15

Left Out: 0.002+/-0.000 χ^2/NDF:1774253.4/21

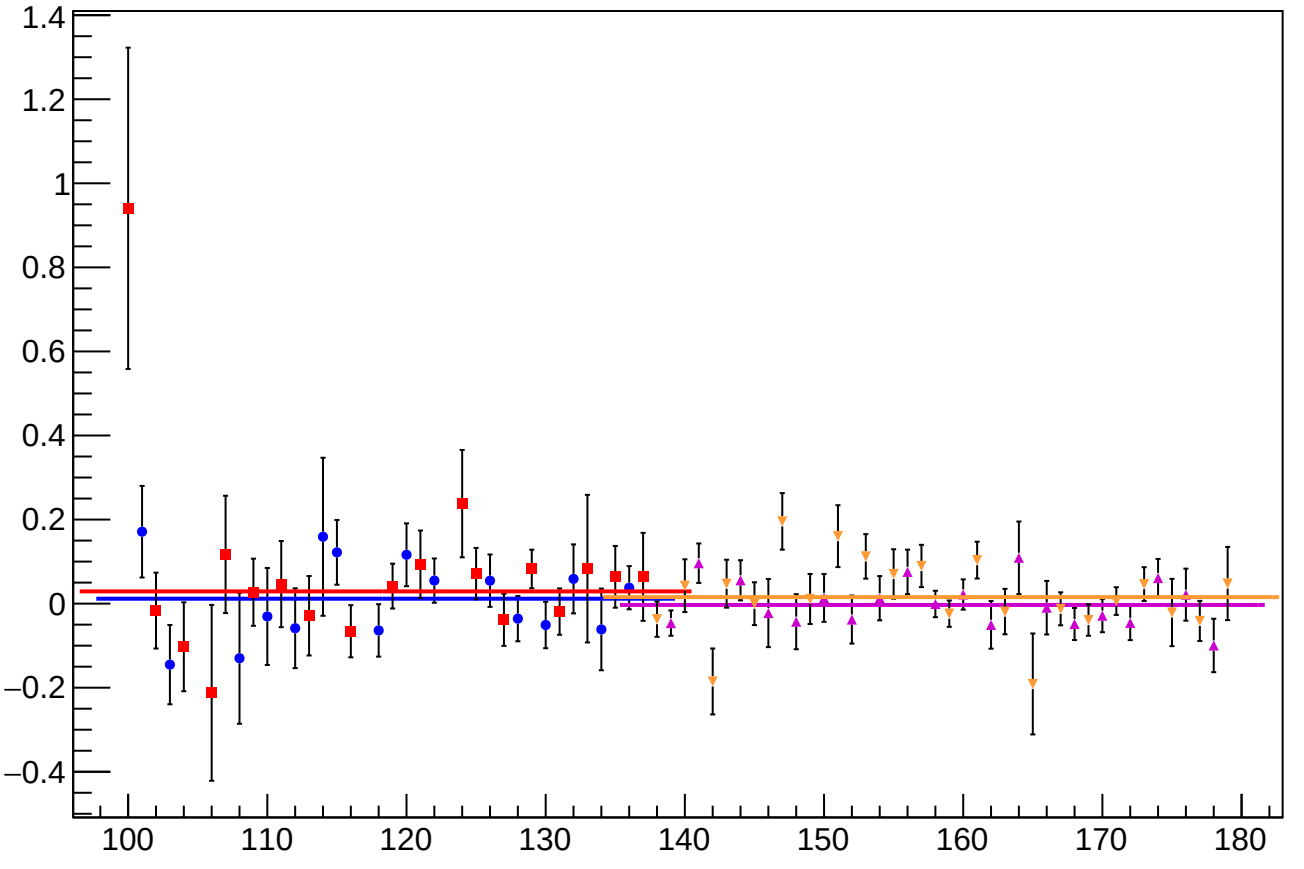
Right Out: 0.003+/-0.000 χ^2/NDF: 2505080.1/18

Left In: 0.002+/-0.000 χ^2/NDF:1726655.5/19

+ sign 0.002+/-0.000 χ^2/NDF: 5222743.7/37

All: 0.002+/-0.000 χ^2/NDF: 9675991.6/76

- sign 0.002+/-0.000 χ^2/NDF: 4425377.9/38



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.016+/-0.011 χ^2/NDF:40.2/21

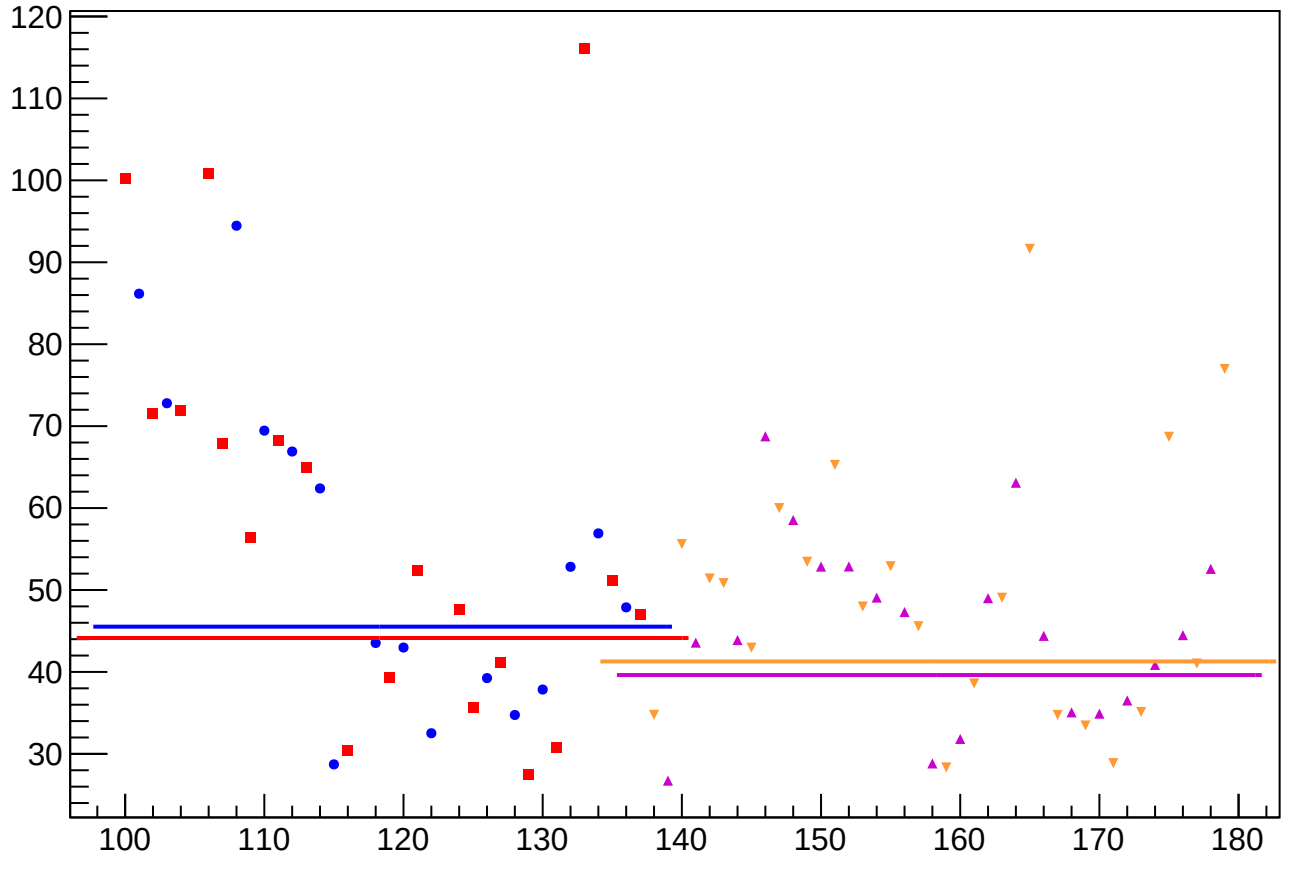
Right Out: 0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: -0.003+/-0.010 χ^2/NDF:21.4/19

+ sign 0.015+/-0.009 χ^2/NDF: 57.1/37

All: 0.010+/-0.006 χ^2/NDF: 101.0/76

- sign 0.005+/-0.009 χ^2/NDF: 43.4/38



Right In: 45.525+/-0.013 χ^2/NDF: 1253922.0/15

Left Out: 41.280+/-0.007 χ^2/NDF:2605732.5/21

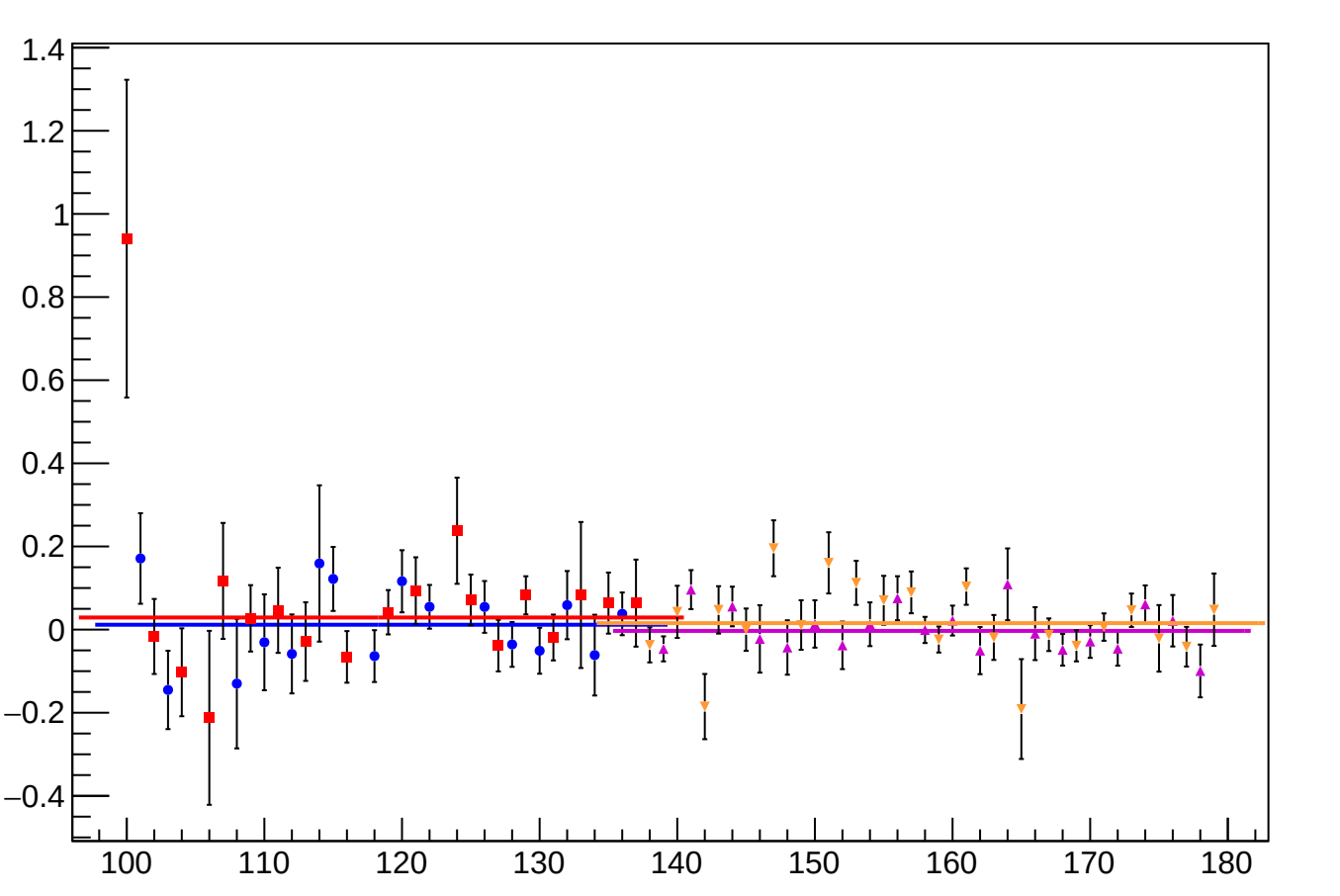
Right Out: 44.141+/-0.013 χ^2/NDF: 1743351.0/18

Left In: 39.621+/-0.007 χ^2/NDF:1852656.1/19

\+ sign 42.337+/-0.006 χ^2/NDF: 3940316.3/37

All: 41.548+/-0.005 χ^2/NDF: 7660856.7/76

\- sign 40.777+/-0.006 χ^2/NDF: 3691107.5/38



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.016+/-0.011 χ^2/NDF:40.2/21

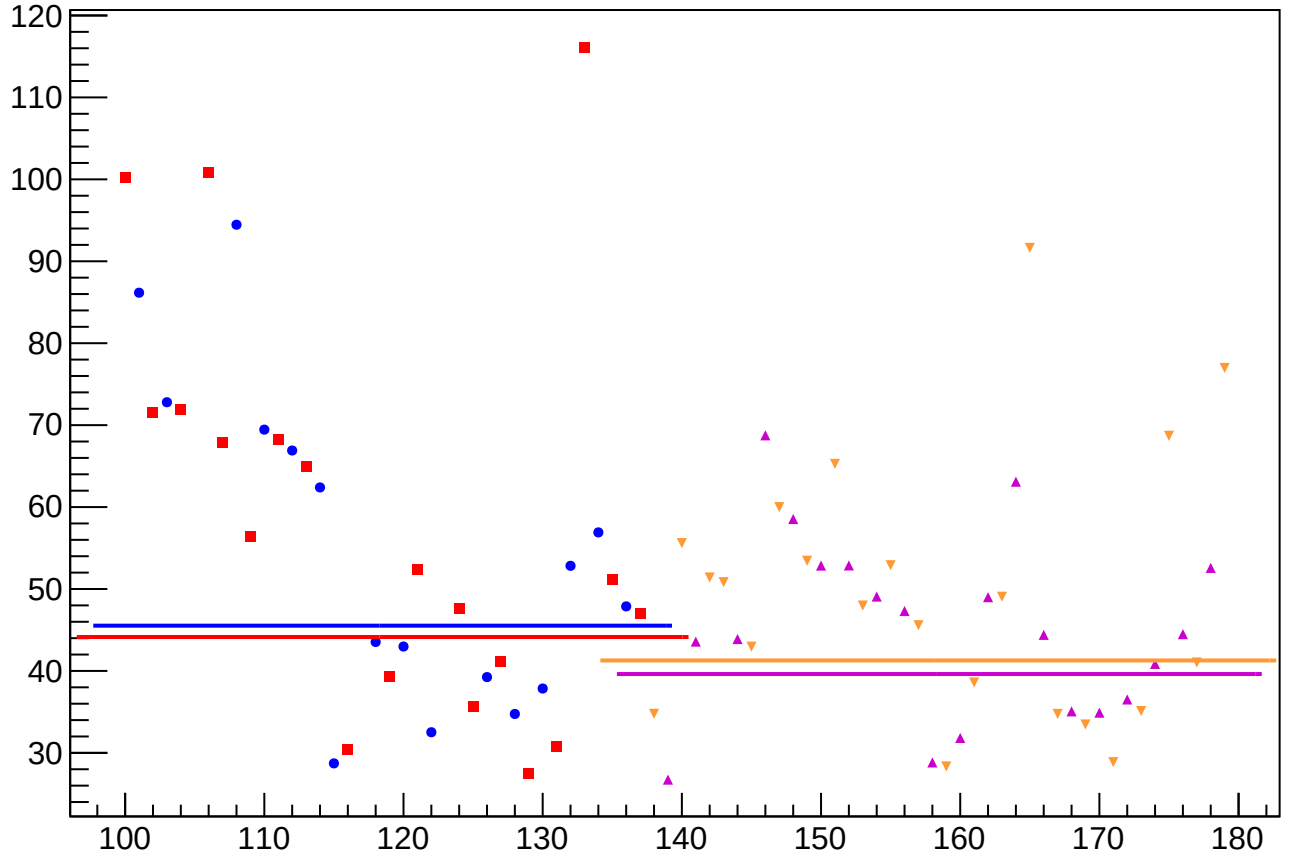
Right Out: 0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: -0.003+/-0.010 χ^2/NDF:21.4/19

+ sign 0.015+/-0.009 χ^2/NDF: 57.1/37

All: 0.010+/-0.006 χ^2/NDF: 101.0/76

- sign 0.005+/-0.009 χ^2/NDF: 43.4/38



Right In: 45.525+/-0.013 χ^2/NDF: 1253922.0/15

Left Out: 41.280+/-0.007 χ^2/NDF:2605732.5/21

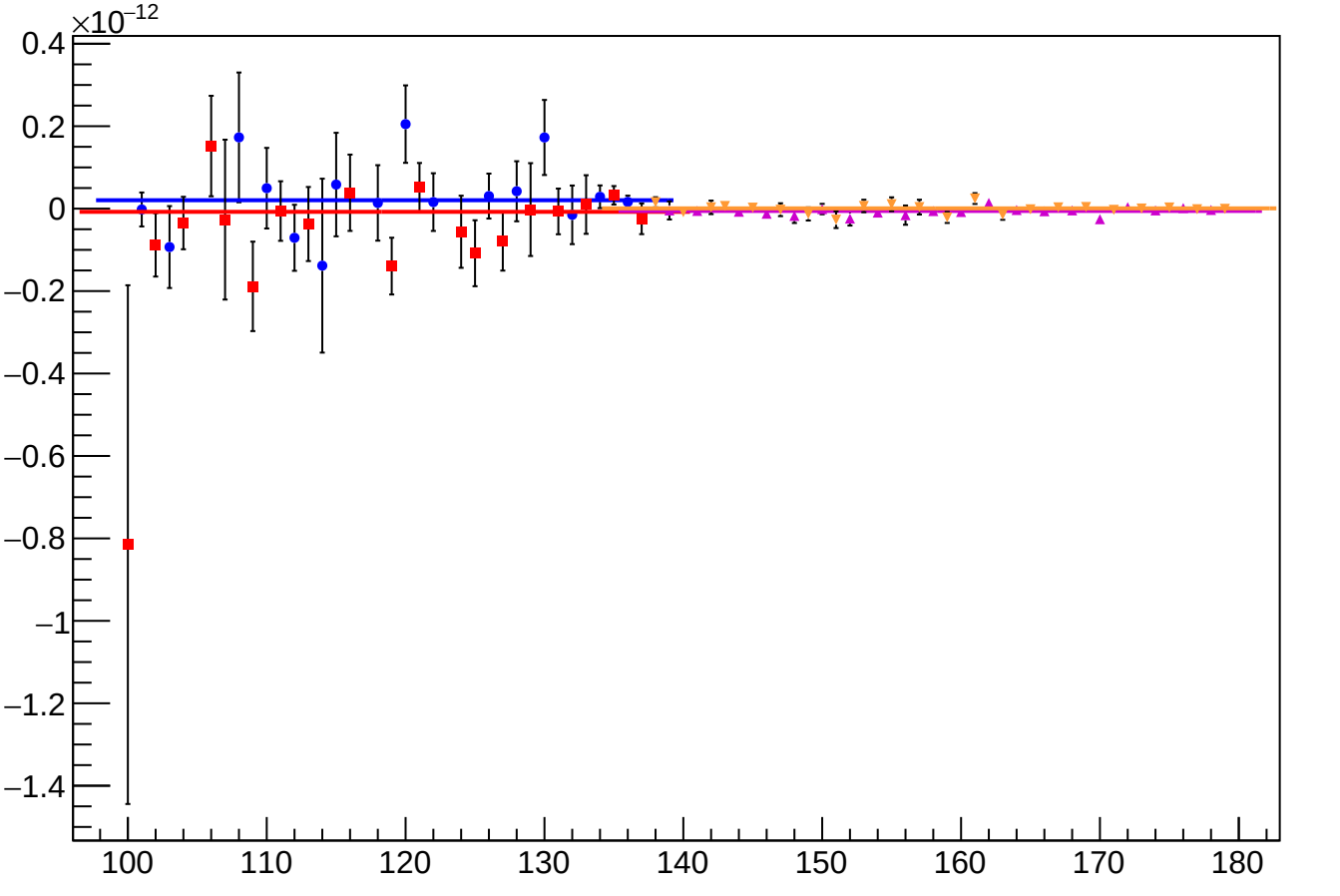
Right Out: 44.141+/-0.013 χ^2/NDF: 1743351.0/18

Left In: 39.621+/-0.007 χ^2/NDF:1852656.1/19

+ sign 42.337+/-0.006 χ^2/NDF: 3940316.3/37

All: 41.548+/-0.005 χ^2/NDF: 7660856.7/76

- sign 40.777+/-0.006 χ^2/NDF: 3691107.5/38



Right In: 0.000+/-0.000 χ^2/NDF: 11.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.0/21

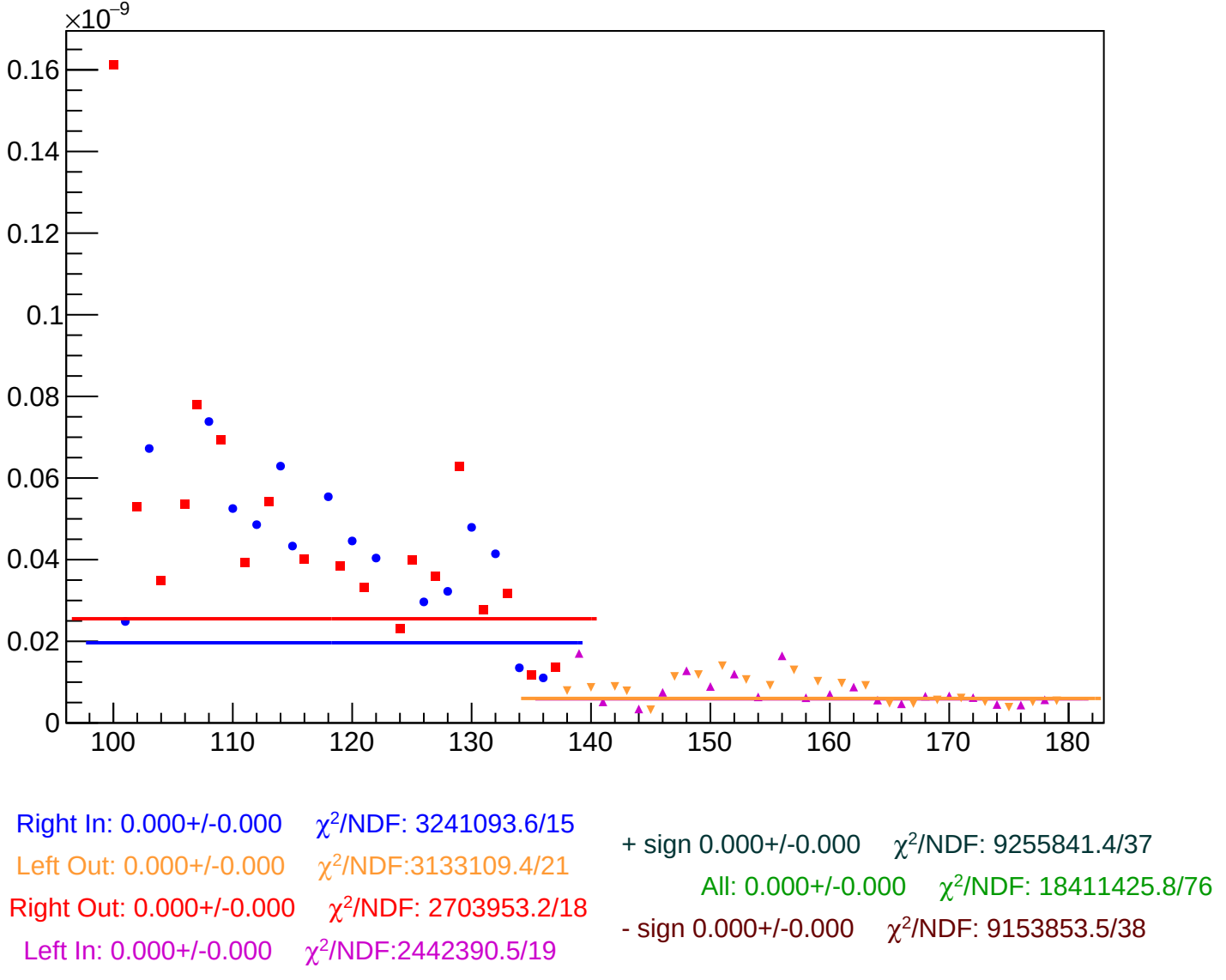
Right Out: -0.000+/-0.000 χ^2/NDF: 18.8/18

Left In: -0.000+/-0.000 χ^2/NDF:12.5/19

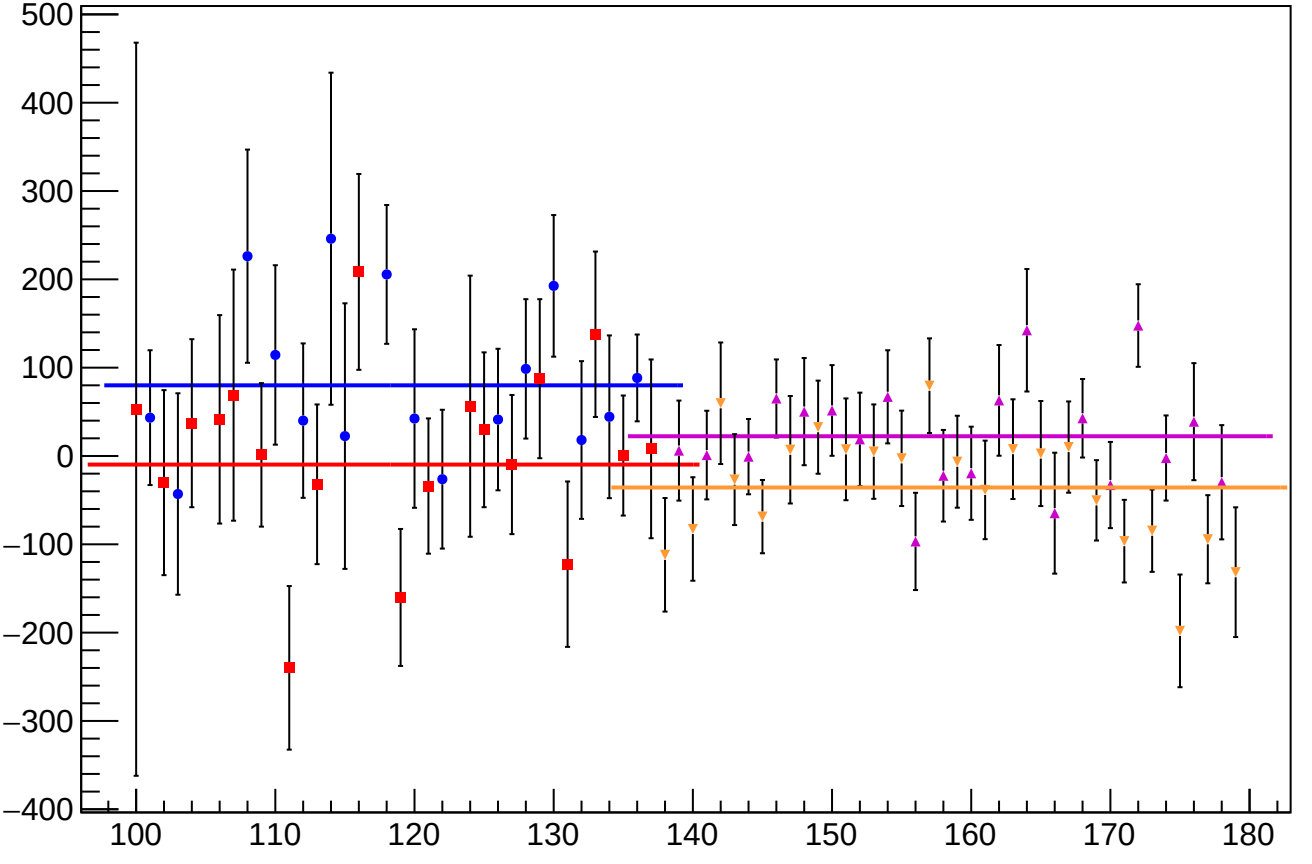
+ sign 0.000+/-0.000 χ^2/NDF: 28.8/37

All: -0.000+/-0.000 χ^2/NDF: 66.0/76

- sign -0.000+/-0.000 χ^2/NDF: 31.3/38


asym_sam_3726_avg_eigen_cor_vs_cor_diff_rms vs Slug
×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
180
Right In: 0.000+/-0.000 χ²/NDF: 3241093.6/15
Left Out: 0.000+/-0.000 χ²/NDF:3133109.4/21
Right Out: 0.000+/-0.000 χ²/NDF: 2703953.2/18
Left In: 0.000+/-0.000 χ²/NDF:2442390.5/19
+ sign 0.000+/-0.000 χ²/NDF: 9255841.4/37
All: 0.000+/-0.000 χ²/NDF: 18411425.8/76
- sign 0.000+/-0.000 χ²/NDF: 9153853.5/38

reg_asym_sam_15_48_dd_mean vs Slug



Right In: 79.993+/-21.474 χ^2/NDF: 11.6/15

Left Out: -35.674+/-11.494 χ^2/NDF:27.5/21

Right Out: -9.730+/-21.617 χ^2/NDF: 20.3/18

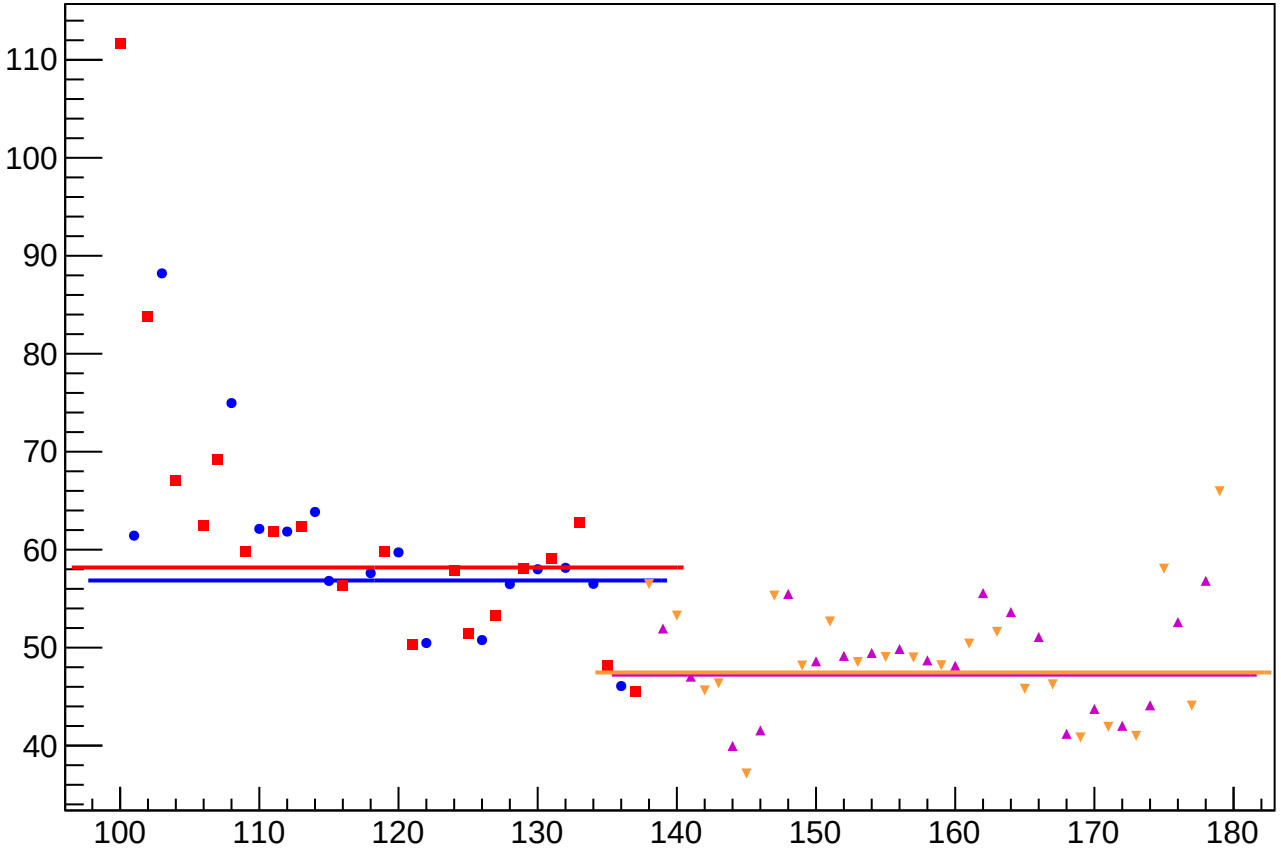
Left In: 22.346+/-11.820 χ^2/NDF:23.5/19

+ sign -9.918+/-10.133 χ^2/NDF: 61.6/37

All: 2.235+/-7.248 χ^2/NDF: 110.1/76

- sign 14.964+/-10.371 χ^2/NDF: 45.5/38

reg_asym_sam_15_48_dd_rms vs Slug



Right In: 56.854+/-0.015 χ^2/NDF: 341601.2/15

Left Out: 47.465+/-0.008 χ^2/NDF:558729.4/21

Right Out: 58.181+/-0.015 χ^2/NDF: 314660.6/18

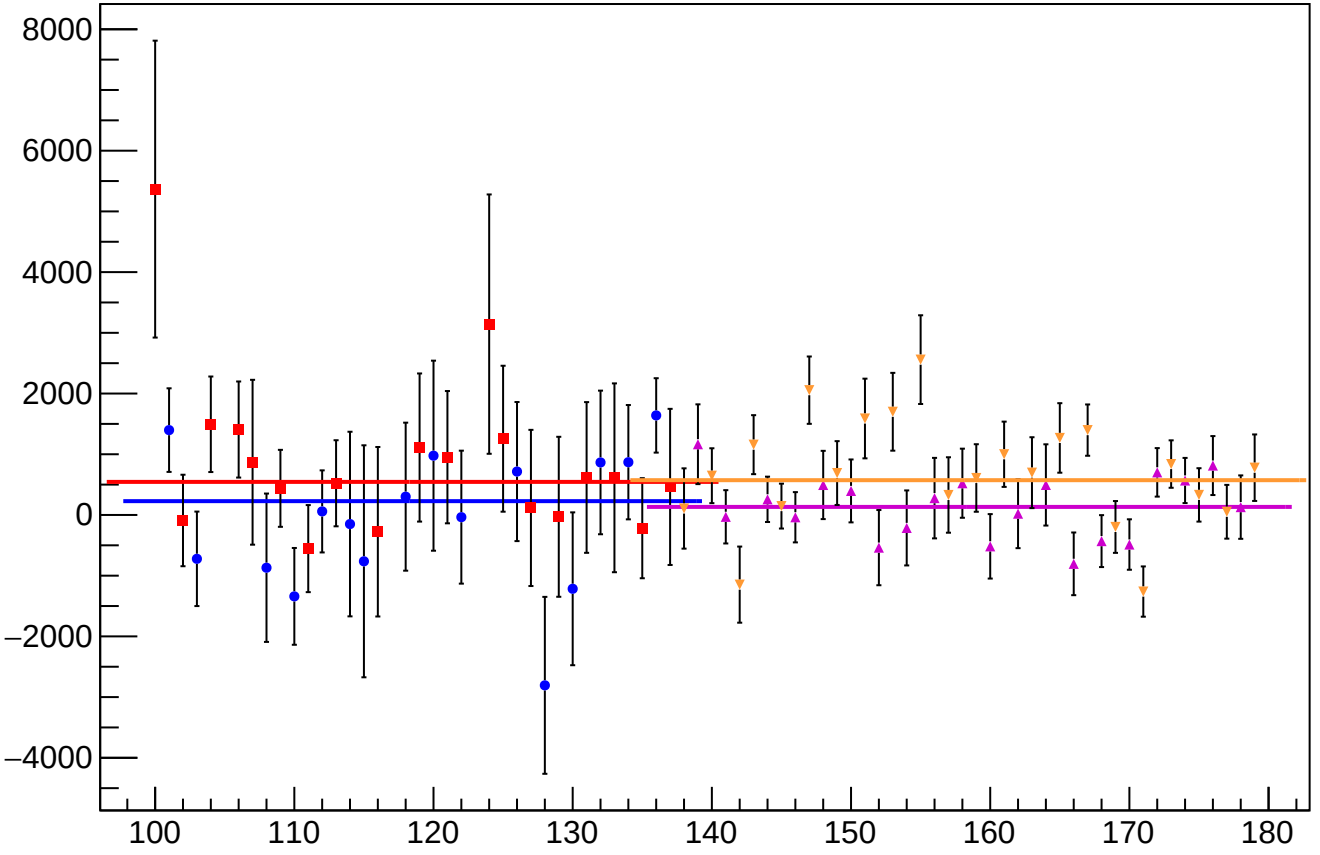
Left In: 47.240+/-0.008 χ^2/NDF:352584.5/19

+ sign 49.556+/-0.007 χ^2/NDF: 1197543.0/37

All: 49.654+/-0.005 χ^2/NDF: 2259649.2/76

- sign 49.758+/-0.007 χ^2/NDF: 1061717.2/38

asym_sam_15_48_dd_reg_correction_mean vs Slug



Right In: 227.508+/-241.225 χ^2/NDF: 21.6/15

Left Out: 572.807+/-107.135 χ^2/NDF:62.2/21

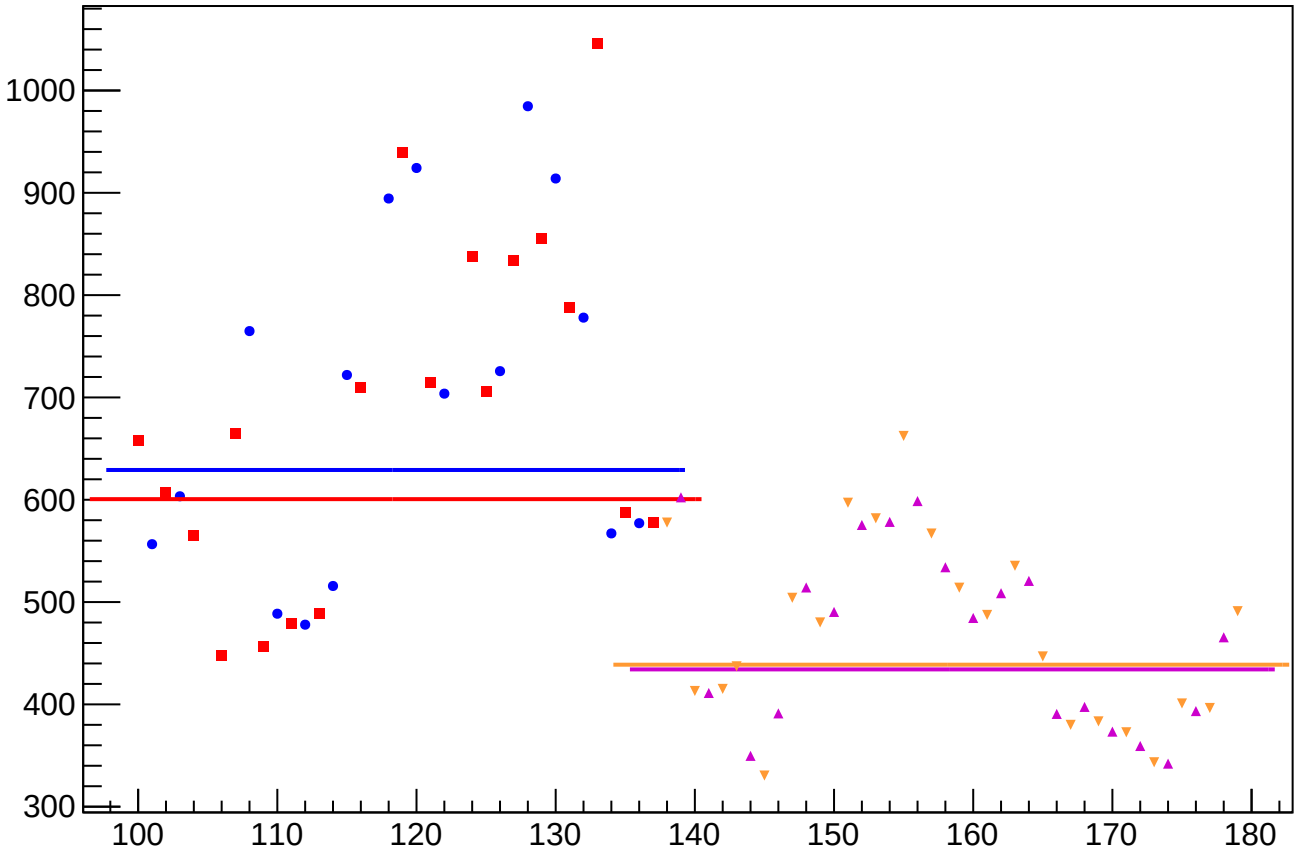
Right Out: 544.769+/-227.243 χ^2/NDF: 13.4/18

Left In: 132.696+/-109.583 χ^2/NDF:20.0/19

\+ sign 515.918+/-97.913 χ^2/NDF: 85.6/37

All: 364.411+/-69.513 χ^2/NDF: 126.4/76

\- sign 210.442+/-98.705 χ^2/NDF: 36.1/38



Right In: 629.096+/-0.171 χ^2/NDF: 692724.2/15

Left Out: 438.790+/-0.076 χ^2/NDF:1200000.7/21

Right Out: 600.593+/-0.161 χ^2/NDF: 874614.2/18

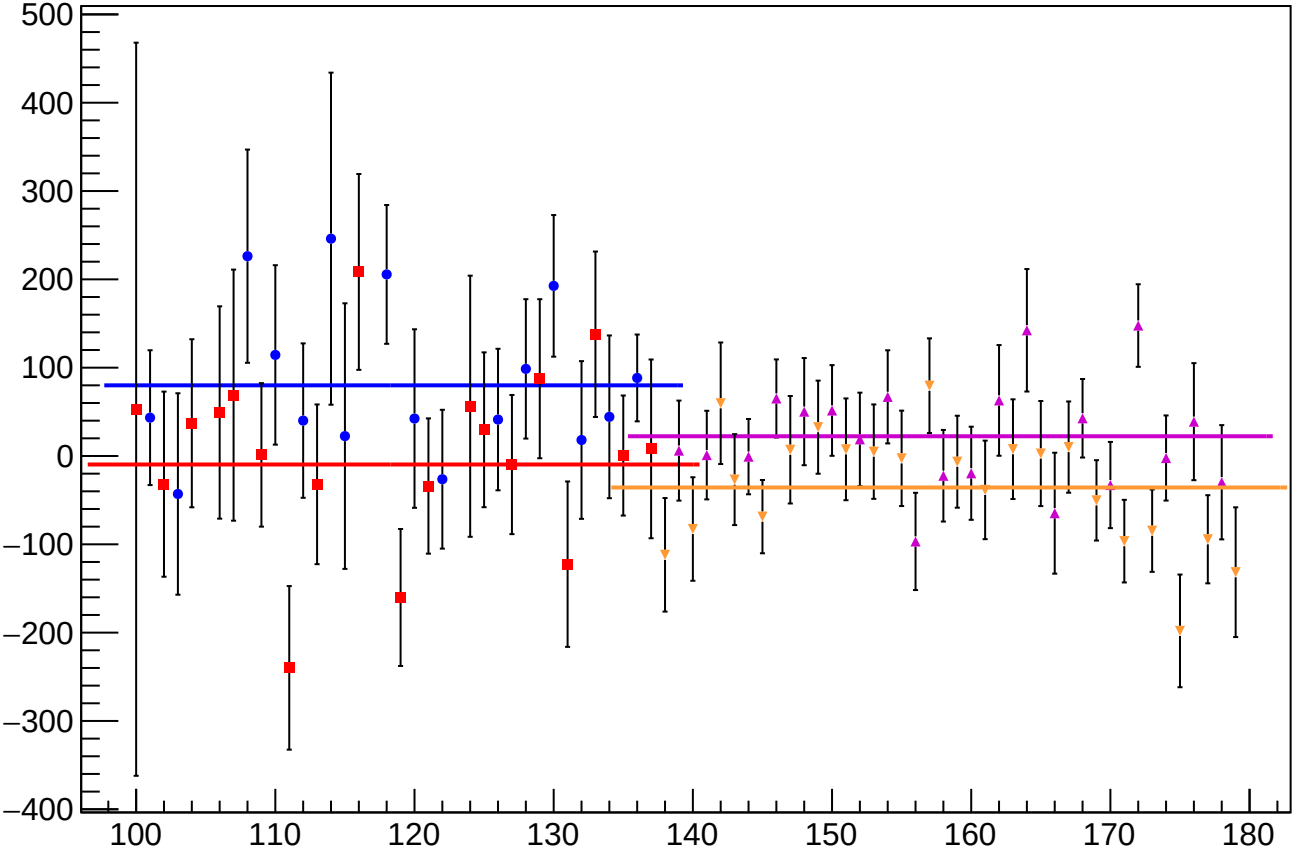
Left In: 434.178+/-0.077 χ^2/NDF:1093639.8/19

+ sign 470.143+/-0.069 χ^2/NDF: 2932419.5/37

All: 467.878+/-0.049 χ^2/NDF: 5773064.0/76

- sign 465.575+/-0.070 χ^2/NDF: 2838485.6/38

cor_asym_sam_15_48_dd_mean vs Slug



Right In: 79.998+/-21.474 χ^2/NDF: 11.6/15

Left Out: -35.677+/-11.494 χ^2/NDF:27.5/21

Right Out: -9.619+/-21.631 χ^2/NDF: 20.4/18

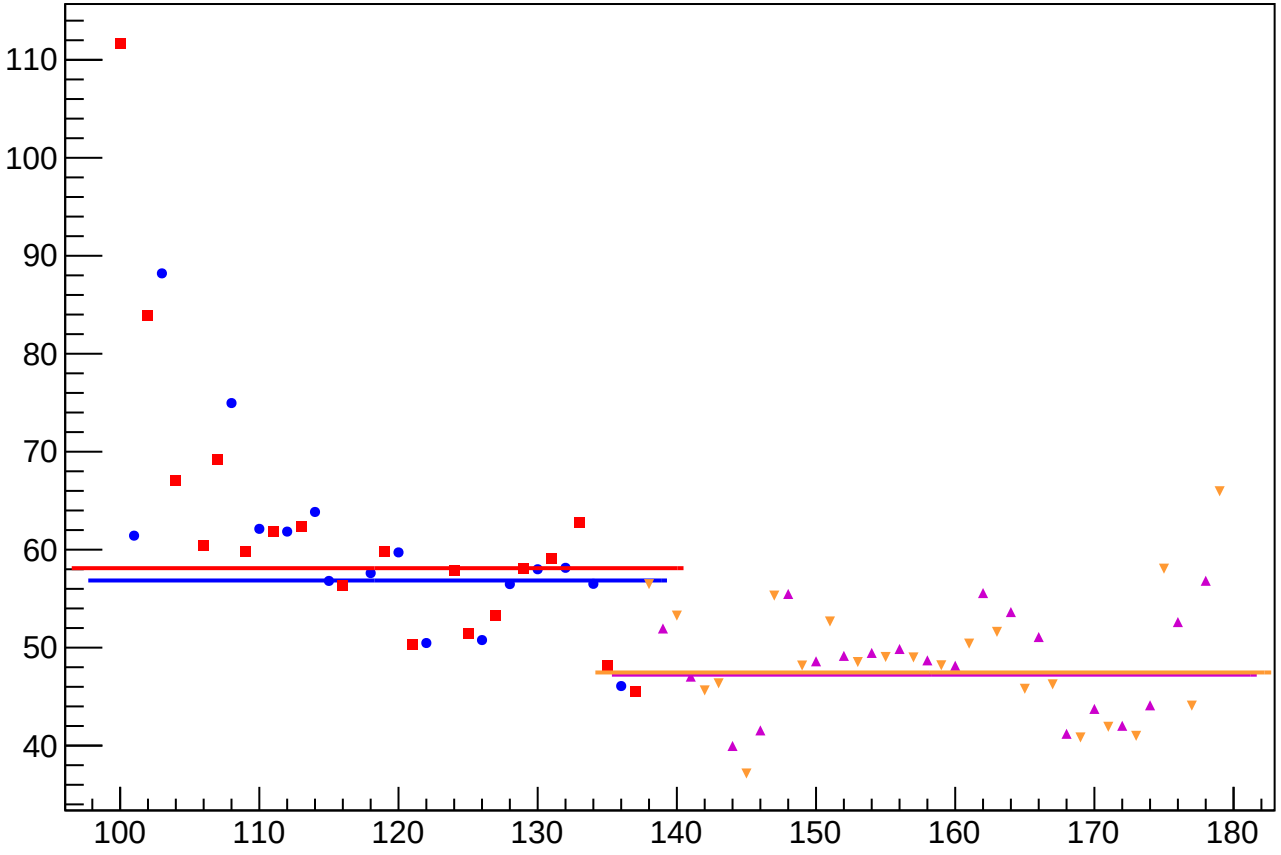
Left In: 22.347+/-11.820 χ^2/NDF:23.5/19

+ sign -9.920+/-10.133 χ^2/NDF: 61.6/37

All: 2.249+/-7.248 χ^2/NDF: 110.1/76

- sign 14.997+/-10.372 χ^2/NDF: 45.6/38

cor_asym_sam_15_48_dd_rms vs Slug



Right In: 56.854+/-0.015 χ^2/NDF: 341605.0/15

Left Out: 47.465+/-0.008 χ^2/NDF:558729.4/21

Right Out: 58.111+/-0.015 χ^2/NDF: 312938.5/18

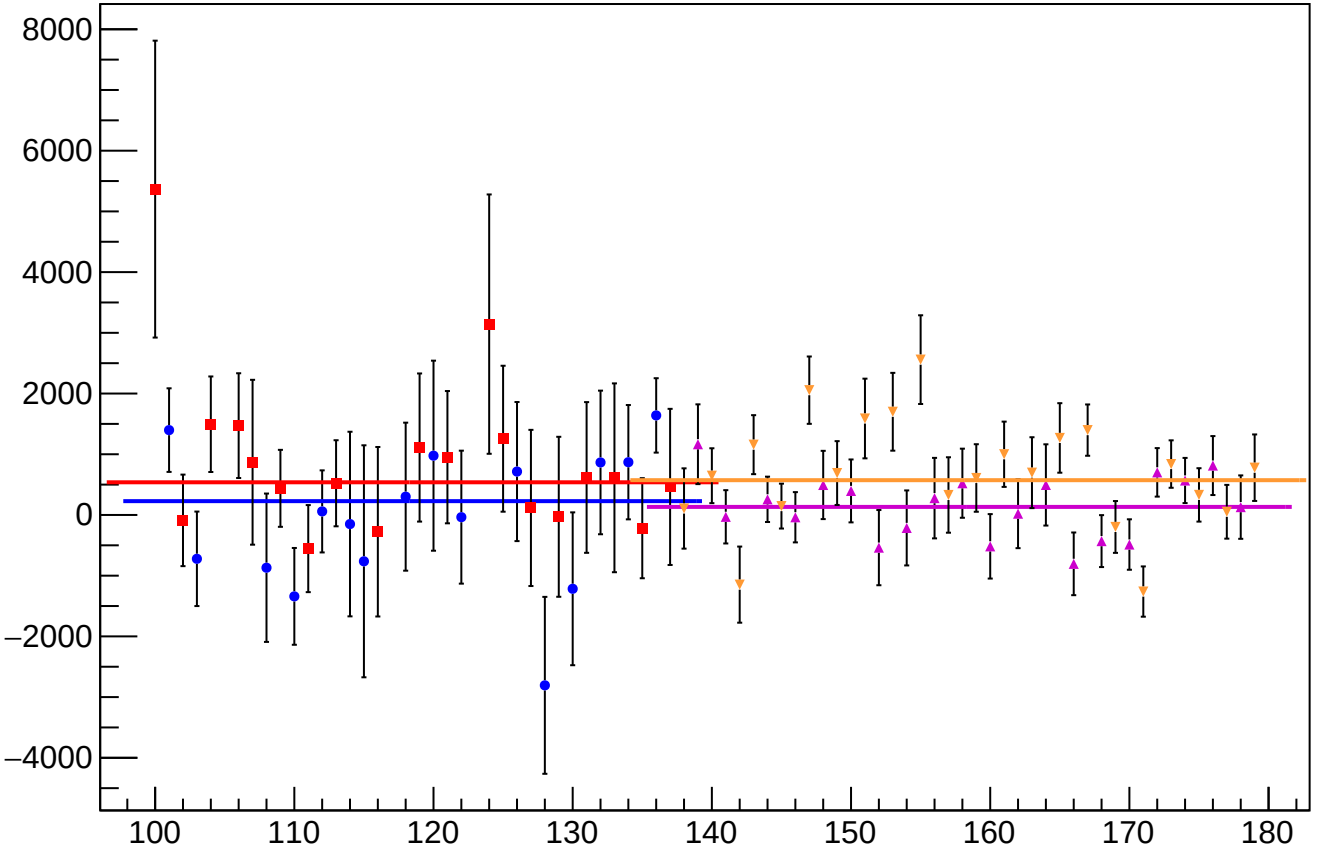
Left In: 47.240+/-0.008 χ^2/NDF:352584.5/19

+ sign 49.556+/-0.007 χ^2/NDF: 1197547.0/37

All: 49.645+/-0.005 χ^2/NDF: 2252402.9/76

- sign 49.739+/-0.007 χ^2/NDF: 1054535.6/38

asym_sam_15_48_dd_cor_correction_mean vs Slug



Right In: 227.547+/-241.227 χ^2/NDF: 21.6/15

Left Out: 572.804+/-107.135 χ^2/NDF:62.2/21

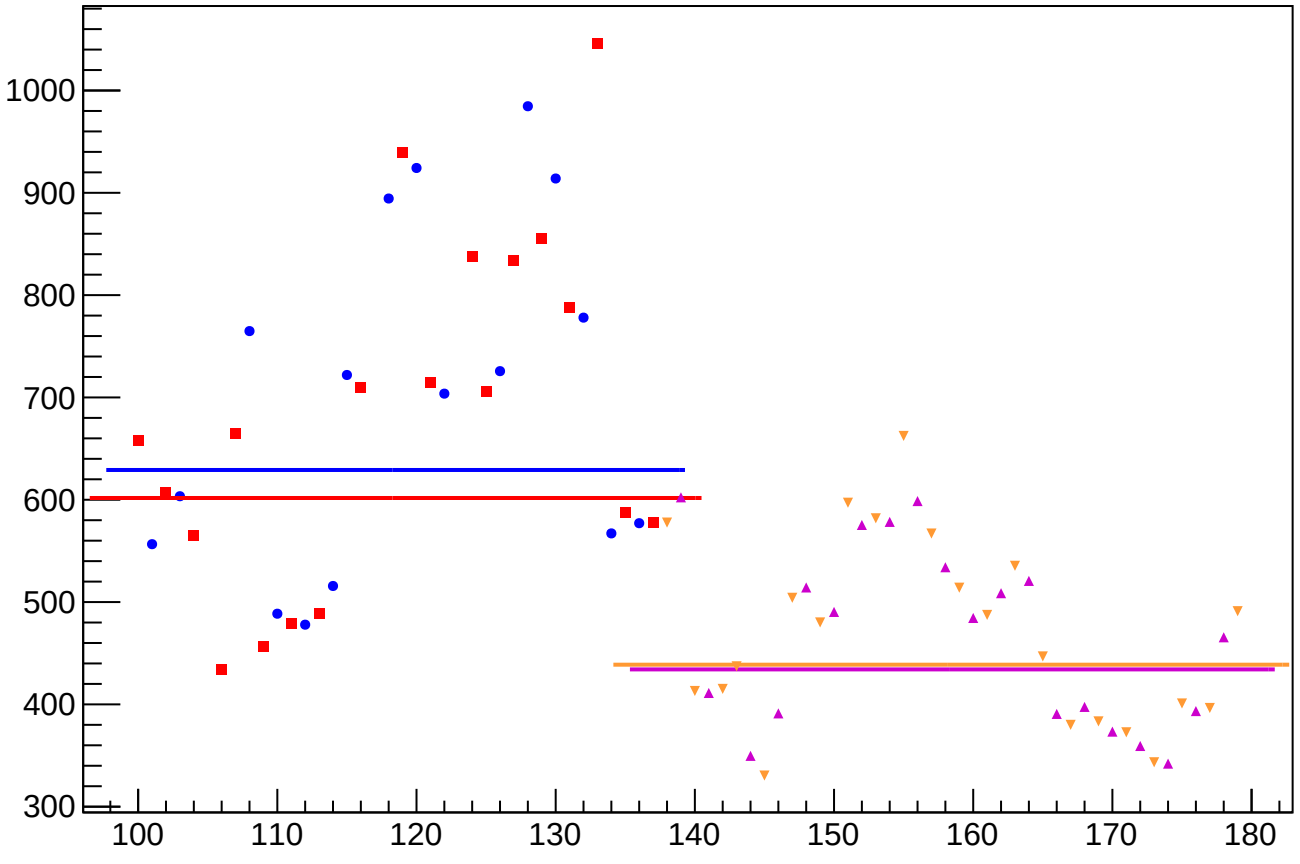
Right Out: 538.117+/-228.754 χ^2/NDF: 13.3/18

Left In: 132.698+/-109.583 χ^2/NDF:20.0/19

\+ sign 515.922+/-97.913 χ^2/NDF: 85.6/37

All: 363.577+/-69.556 χ^2/NDF: 126.3/76

\- sign 208.369+/-98.828 χ^2/NDF: 35.9/38



Right In: 629.101+/-0.171 χ^2/NDF: 692716.0/15

Left Out: 438.790+/-0.076 χ^2/NDF:1200000.4/21

Right Out: 601.721+/-0.162 χ^2/NDF: 874042.1/18

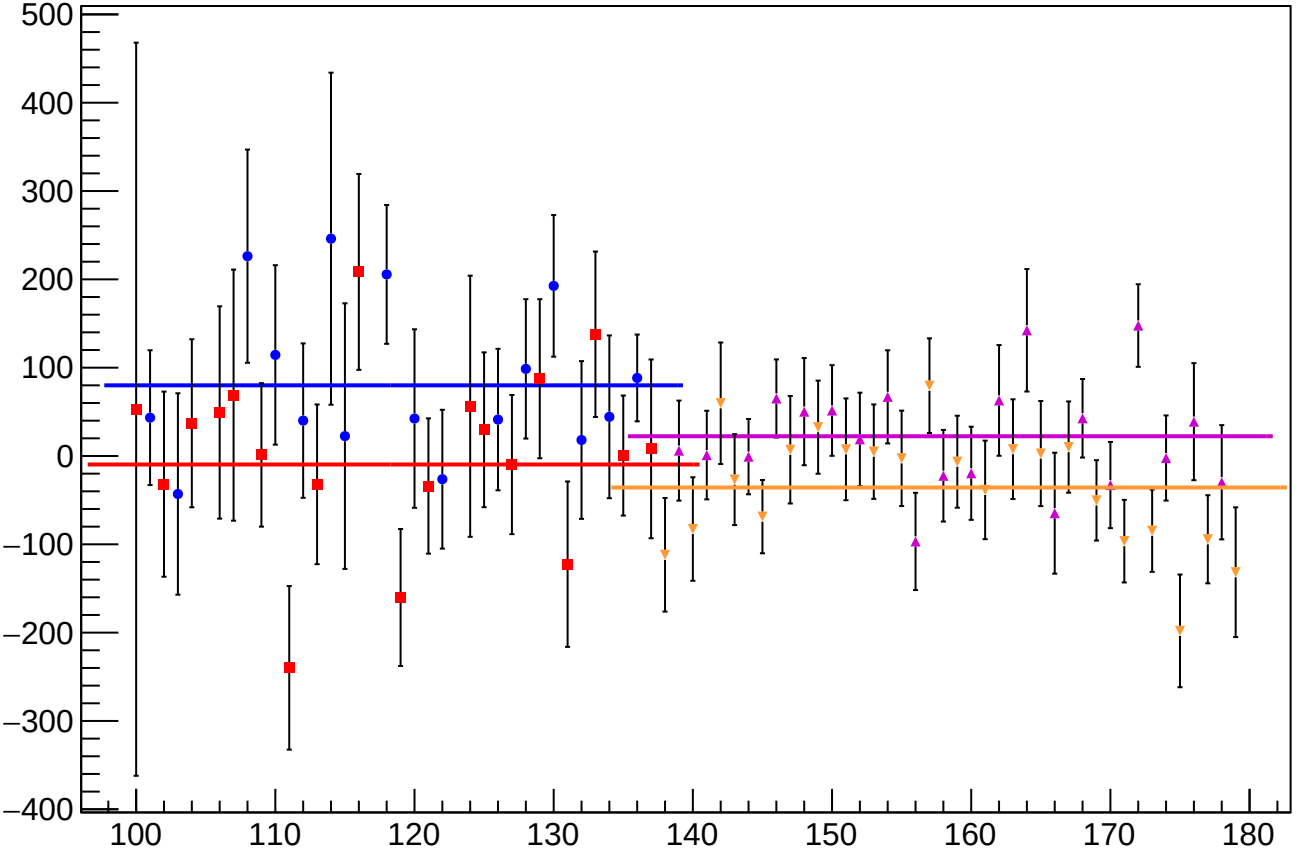
Left In: 434.178+/-0.077 χ^2/NDF:1093639.6/19

+ sign 470.143+/-0.069 χ^2/NDF: 2932451.8/37

All: 467.818+/-0.049 χ^2/NDF: 5775022.1/76

- sign 465.450+/-0.070 χ^2/NDF: 2840293.5/38

eigen_cor_asym_sam_15_48_dd_mean vs Slug



Right In: 79.998+/-21.474 χ^2/NDF: 11.6/15

Left Out: -35.677+/-11.494 χ^2/NDF:27.5/21

Right Out: -9.619+/-21.631 χ^2/NDF: 20.4/18

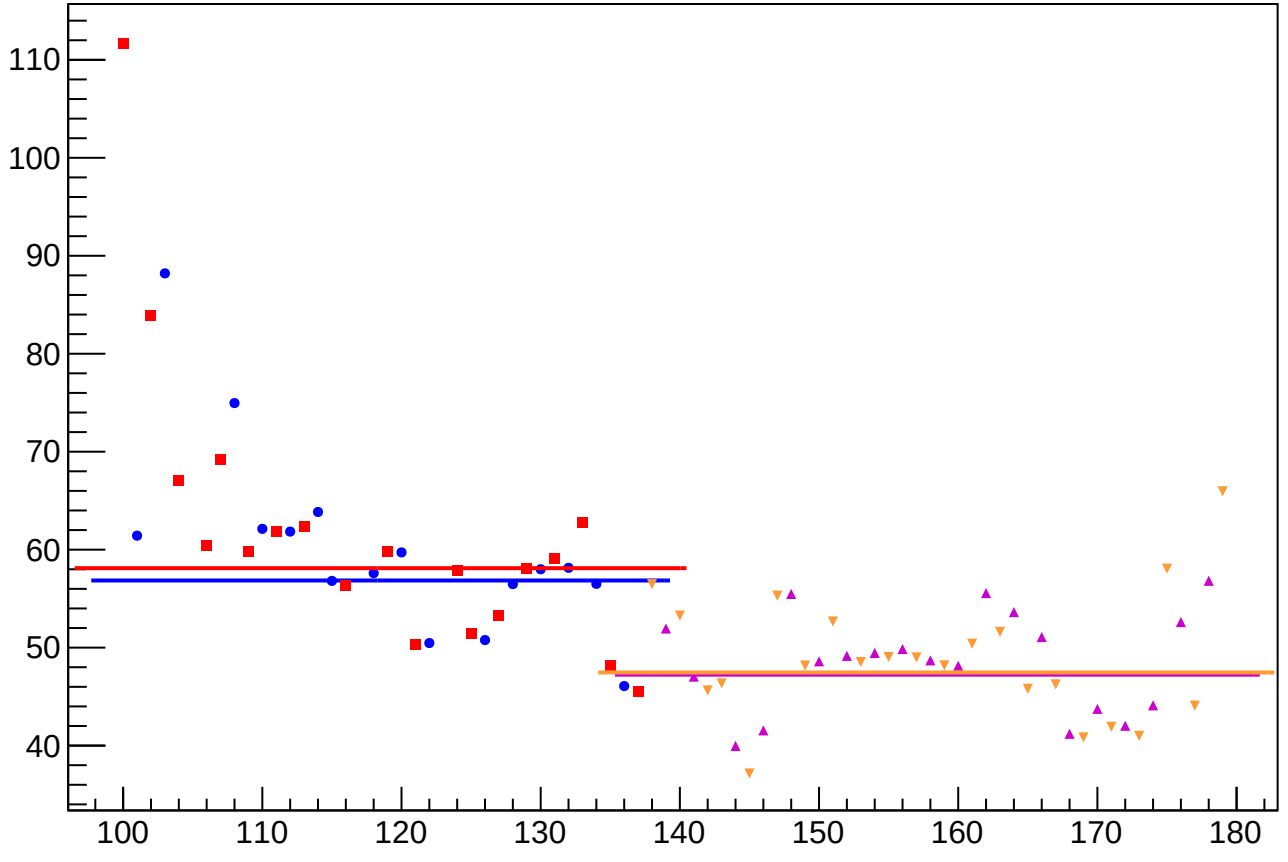
Left In: 22.347+/-11.820 χ^2/NDF:23.5/19

+ sign -9.920+/-10.133 χ^2/NDF: 61.6/37

All: 2.249+/-7.248 χ^2/NDF: 110.1/76

- sign 14.997+/-10.372 χ^2/NDF: 45.6/38

eigen_cor_asym_sam_15_48_dd_rms vs Slug



Right In: 56.854+/-0.015 χ^2/NDF: 341605.0/15

Left Out: 47.465+/-0.008 χ^2/NDF:558729.4/21

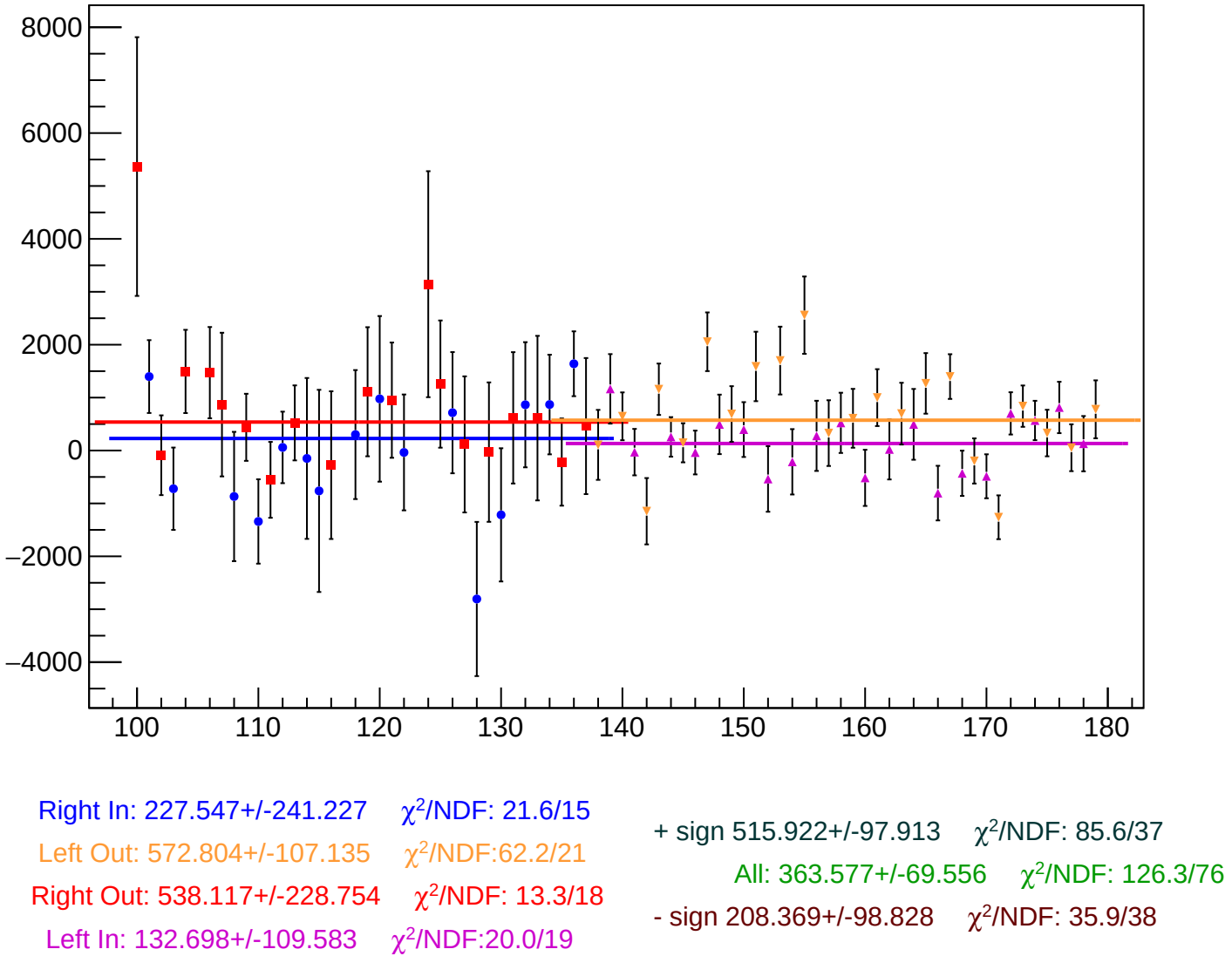
Right Out: 58.111+/-0.015 χ^2/NDF: 312938.5/18

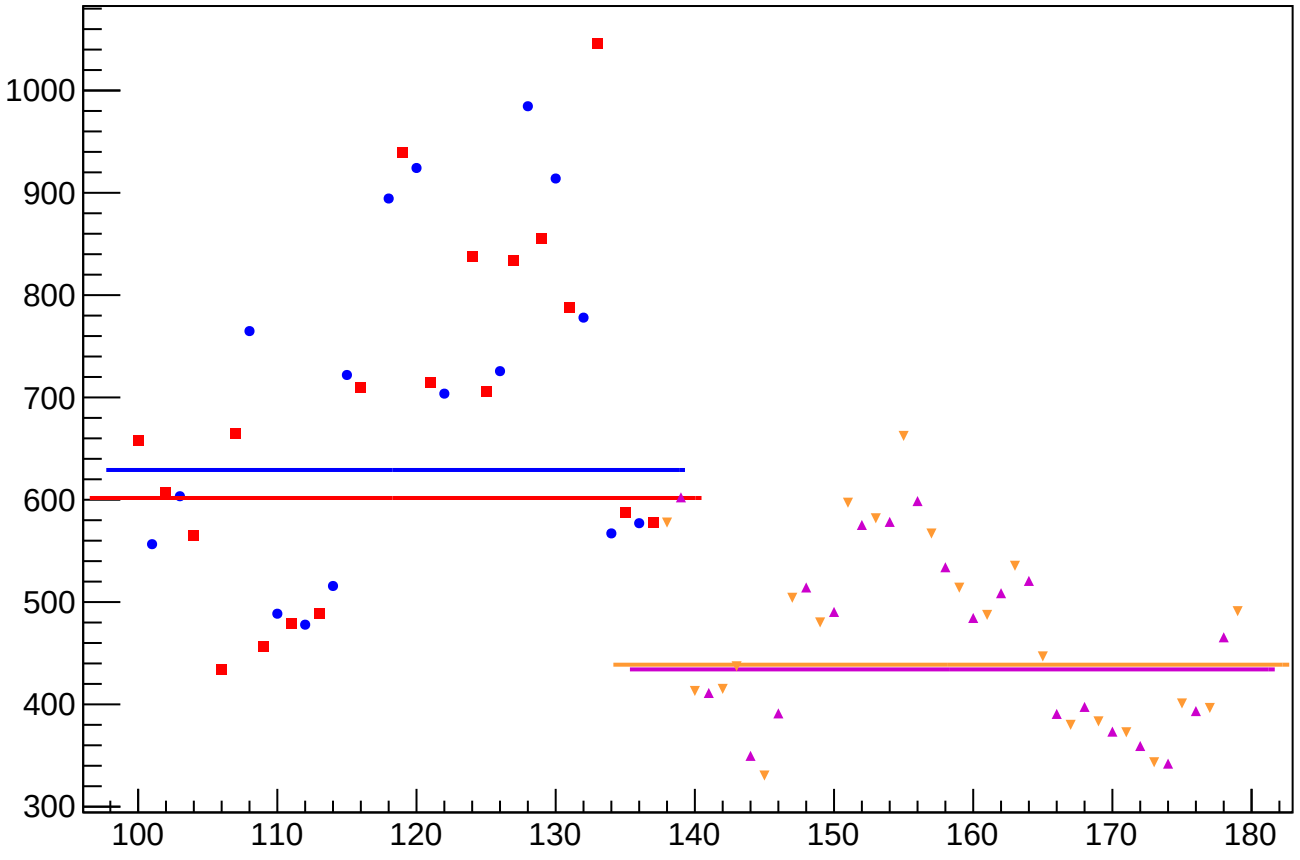
Left In: 47.240+/-0.008 χ^2/NDF:352584.5/19

+ sign 49.556+/-0.007 χ^2/NDF: 1197547.0/37

All: 49.645+/-0.005 χ^2/NDF: 2252402.9/76

- sign 49.739+/-0.007 χ^2/NDF: 1054535.6/38


asym_sam_15_48_dd_eigen_cor_correction_mean vs Slug
8000
6000
4000
2000
0
−2000
−4000
100
110
120
130
140
150
160
170
180
Right In: 227.547+/-241.227 χ²/NDF: 21.6/15
Left Out: 572.804+/-107.135 χ²/NDF:62.2/21
Right Out: 538.117+/-228.754 χ²/NDF: 13.3/18
Left In: 132.698+/-109.583 χ²/NDF:20.0/19
+ sign 515.922+/-97.913 χ²/NDF: 85.6/37
All: 363.577+/-69.556 χ²/NDF: 126.3/76
- sign 208.369+/-98.828 χ²/NDF: 35.9/38



Right In: 629.101+/-0.171 χ^2/NDF: 692716.0/15

Left Out: 438.790+/-0.076 χ^2/NDF:1200000.4/21

Right Out: 601.721+/-0.162 χ^2/NDF: 874042.1/18

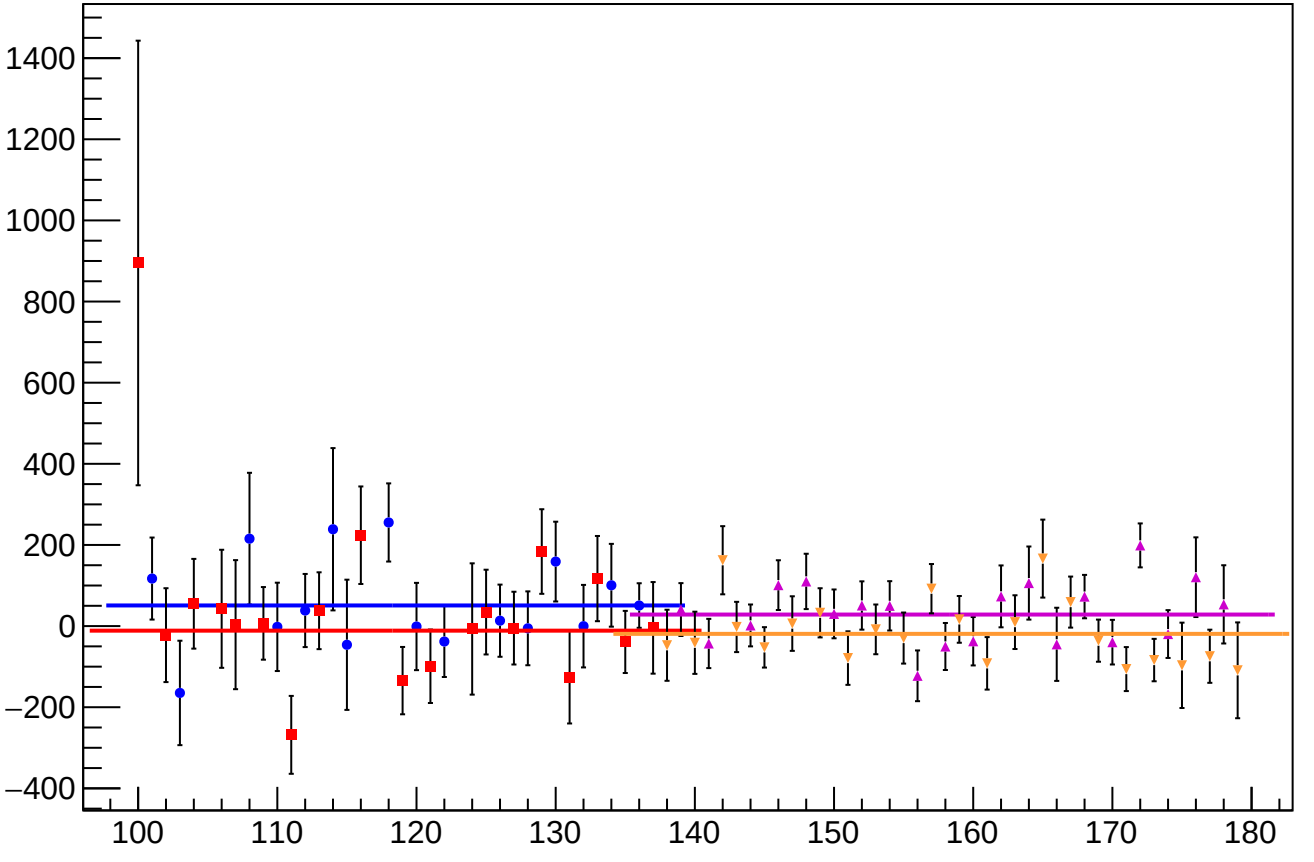
Left In: 434.178+/-0.077 χ^2/NDF:1093639.6/19

\+ sign 470.143+/-0.069 χ^2/NDF: 2932451.8/37

All: 467.818+/-0.049 χ^2/NDF: 5775022.1/76

\- sign 465.450+/-0.070 χ^2/NDF: 2840293.5/38

dit_asym_sam_15_48_dd_mean vs Slug



Right In: 50.861+/-24.492 χ^2/NDF: 13.8/15

Left Out: -19.180+/-13.842 χ^2/NDF:23.6/21

Right Out: -11.261+/-24.324 χ^2/NDF: 24.0/18

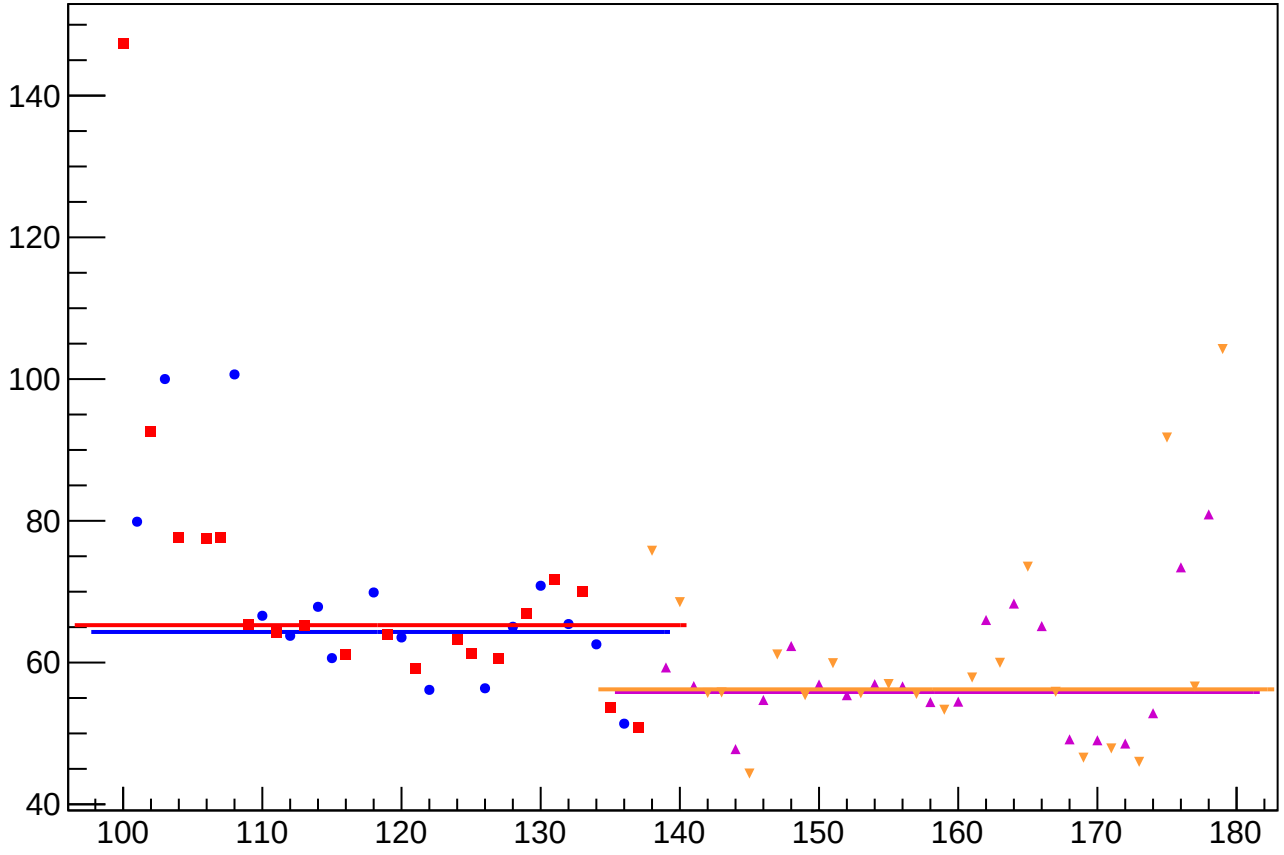
Left In: 28.438+/-14.192 χ^2/NDF:29.2/19

+ sign -2.225+/-12.050 χ^2/NDF: 43.6/37

All: 7.890+/-8.593 χ^2/NDF: 100.2/76

- sign 18.356+/-12.258 χ^2/NDF: 55.2/38

dit_asym_sam_15_48_dd_rms vs Slug



Right In: 64.317+/-0.017 χ^2/NDF: 464952.4/15

Left Out: 56.220+/-0.010 χ^2/NDF:1112669.5/21

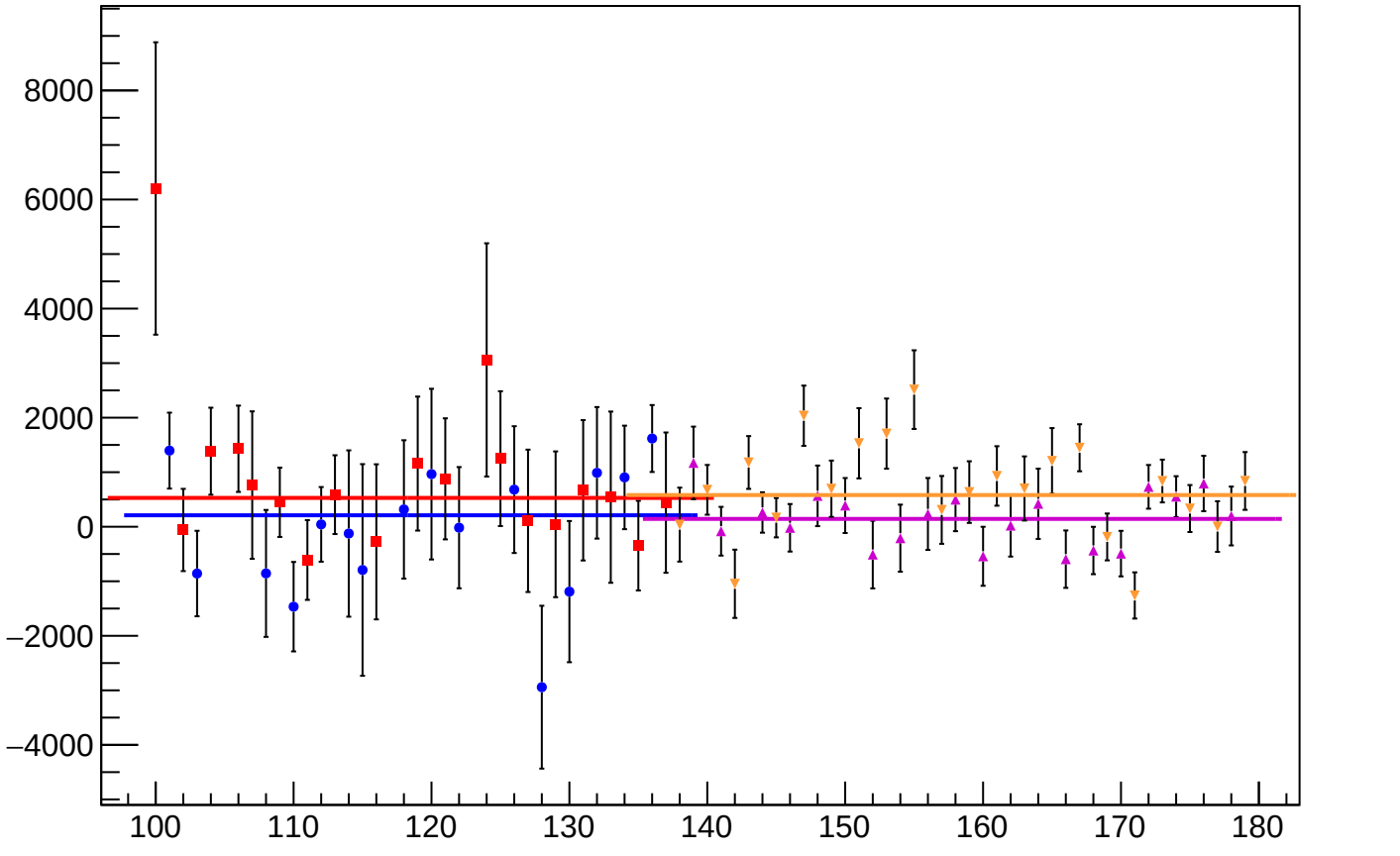
Right Out: 65.277+/-0.017 χ^2/NDF: 319136.6/18

Left In: 55.848+/-0.010 χ^2/NDF:474926.0/19

+ sign 58.180+/-0.009 χ^2/NDF: 1743274.5/37

All: 58.211+/-0.006 χ^2/NDF: 2761589.3/76

- sign 58.243+/-0.009 χ^2/NDF: 1018288.5/38



Right In: 210.018+/-243.798 χ^2/NDF: 22.4/15

Left Out: 580.616+/-107.567 χ^2/NDF:60.1/21

Right Out: 528.675+/-229.679 χ^2/NDF: 13.8/18

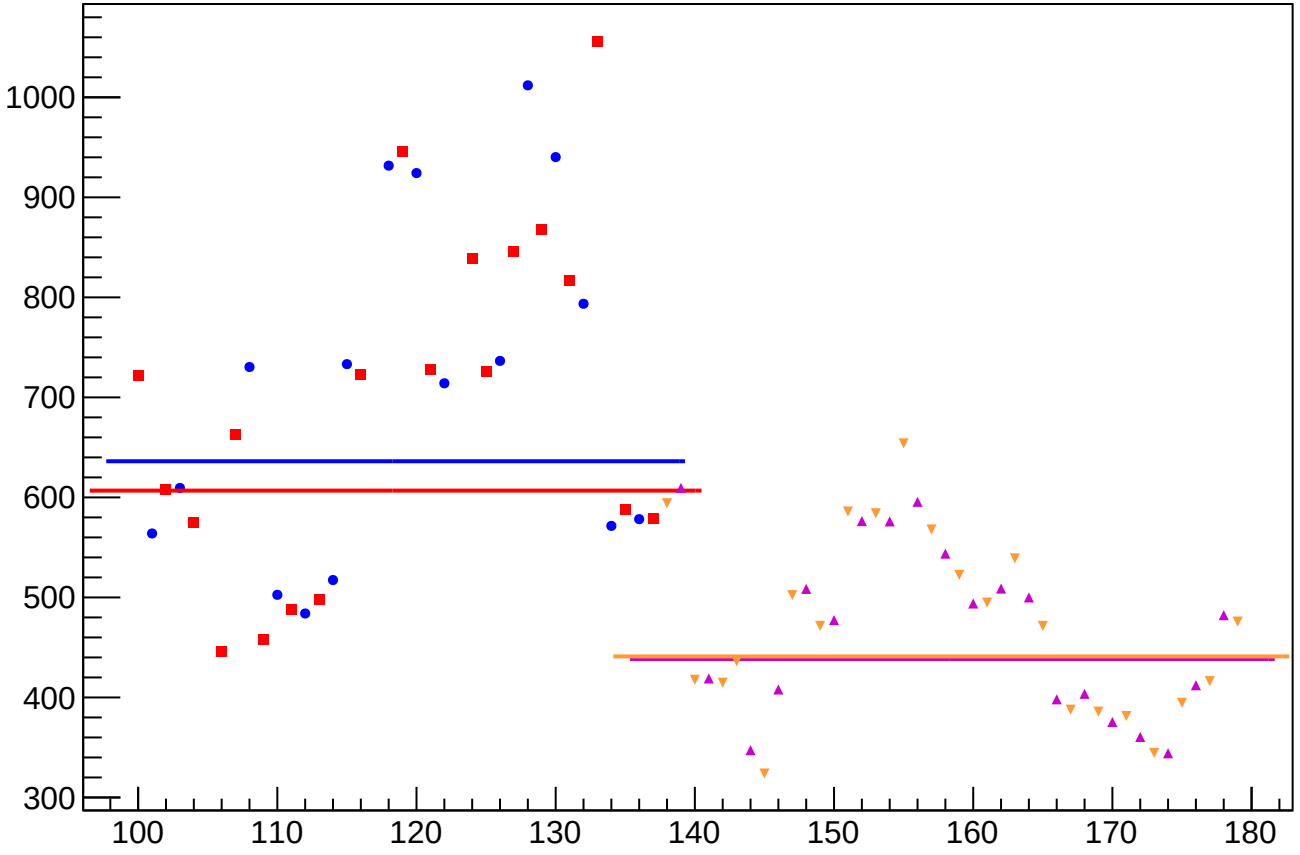
Left In: 143.589+/-110.588 χ^2/NDF:18.4/19

+ sign 520.228+/-98.414 χ^2/NDF: 84.5/37

All: 370.028+/-70.018 χ^2/NDF: 123.7/76

- sign 216.062+/-99.640 χ^2/NDF: 34.5/38

asym_sam_15_48_dd_dit_correction_rms vs Slug



Right In: 636.144+/-0.172 χ^2/NDF: 705237.7/15

Left Out: 441.044+/-0.076 χ^2/NDF:1193751.8/21

Right Out: 606.803+/-0.162 χ^2/NDF: 893878.7/18

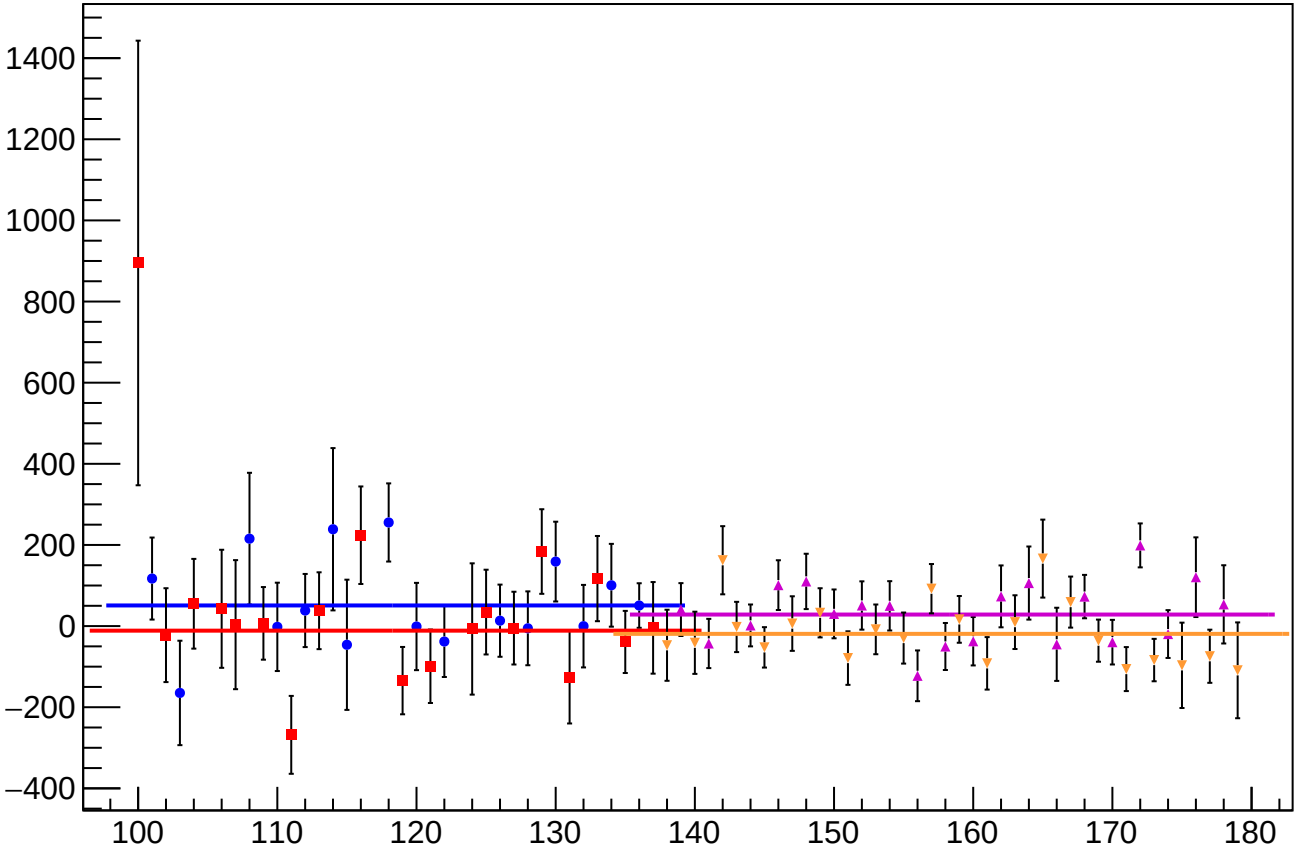
Left In: 438.428+/-0.078 χ^2/NDF:1050446.3/19

+ sign 472.836+/-0.070 χ^2/NDF: 2971094.6/37

All: 471.493+/-0.050 χ^2/NDF: 5788726.5/76

- sign 470.116+/-0.070 χ^2/NDF: 2816878.0/38

eigen_dit_asym_sam_15_48_dd_mean vs Slug



Right In: 50.859+/-24.492 χ^2/NDF: 13.8/15

Left Out: -19.181+/-13.842 χ^2/NDF:23.6/21

Right Out: -11.261+/-24.324 χ^2/NDF: 24.0/18

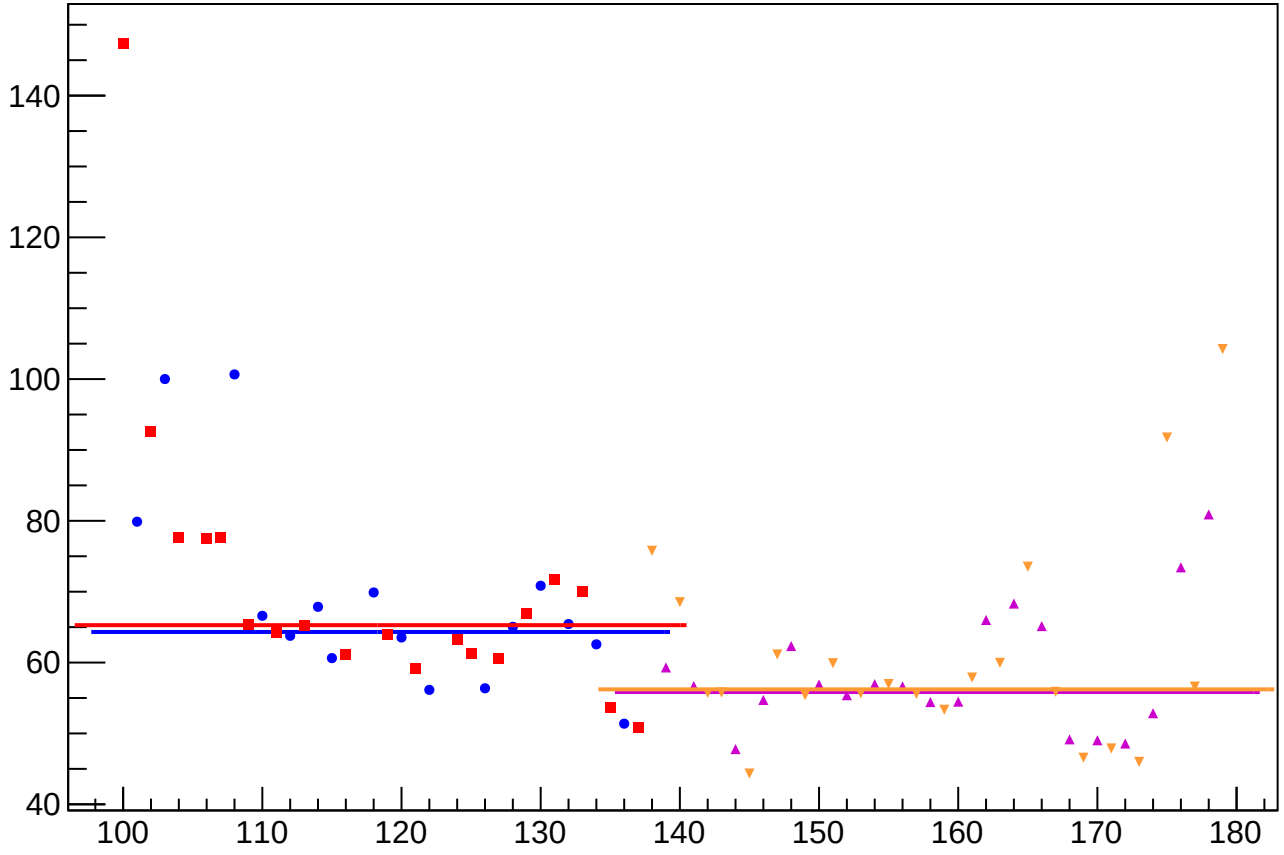
Left In: 28.438+/-14.192 χ^2/NDF:29.2/19

+ sign -2.226+/-12.051 χ^2/NDF: 43.6/37

All: 7.889+/-8.593 χ^2/NDF: 100.2/76

- sign 18.356+/-12.258 χ^2/NDF: 55.2/38

eigen_dit_asym_sam_15_48_dd_rms vs Slug



Right In: 64.317+/-0.017 χ^2/NDF: 464950.5/15

Left Out: 56.220+/-0.010 χ^2/NDF:1112668.8/21

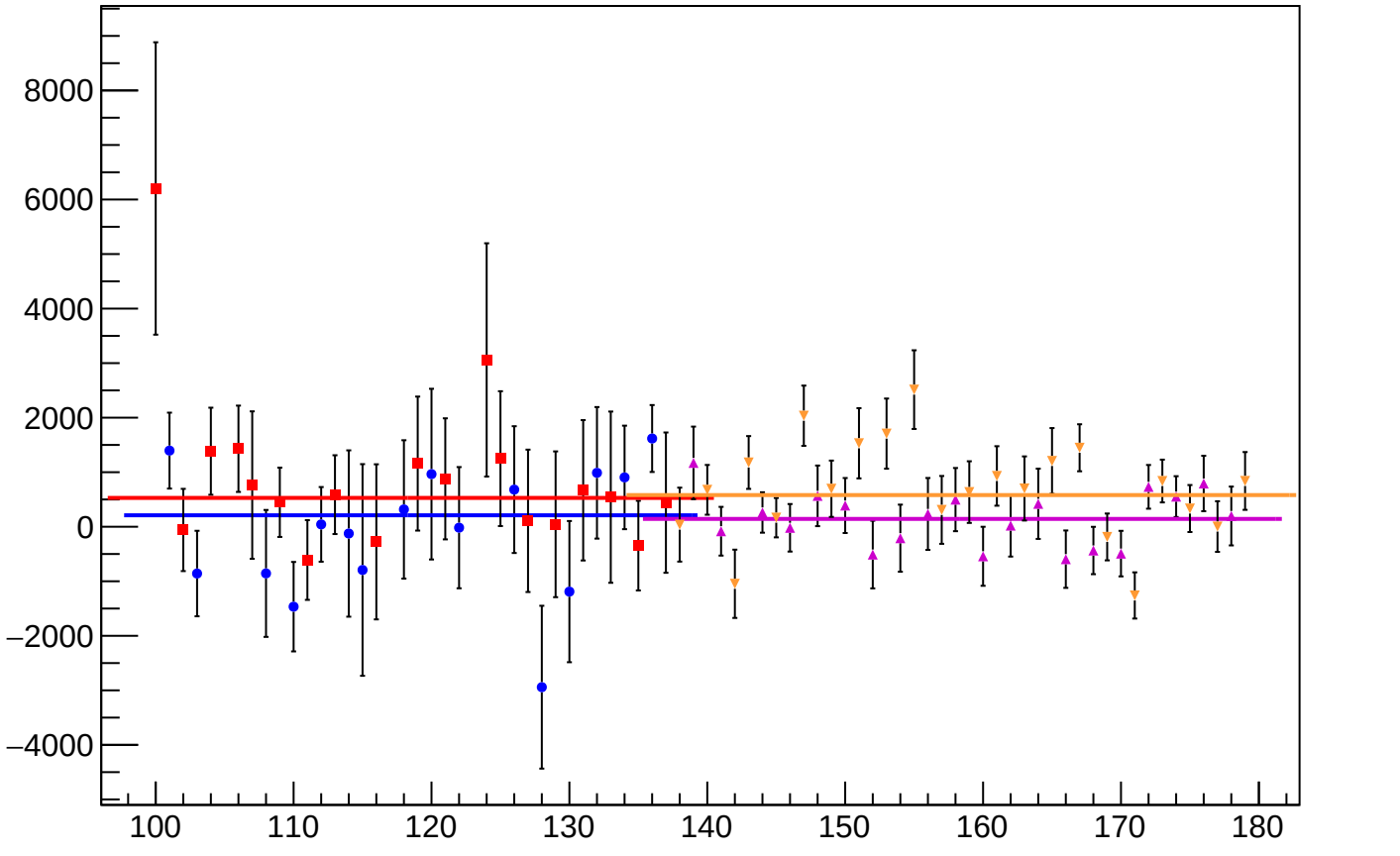
Right Out: 65.277+/-0.017 χ^2/NDF: 319140.2/18

Left In: 55.848+/-0.010 χ^2/NDF:474920.5/19

+ sign 58.180+/-0.009 χ^2/NDF: 1743263.9/37

All: 58.211+/-0.006 χ^2/NDF: 2761567.6/76

- sign 58.243+/-0.009 χ^2/NDF: 1018277.5/38



Right In: 210.017+/-243.798 χ^2/NDF: 22.4/15

Left Out: 580.616+/-107.567 χ^2/NDF:60.1/21

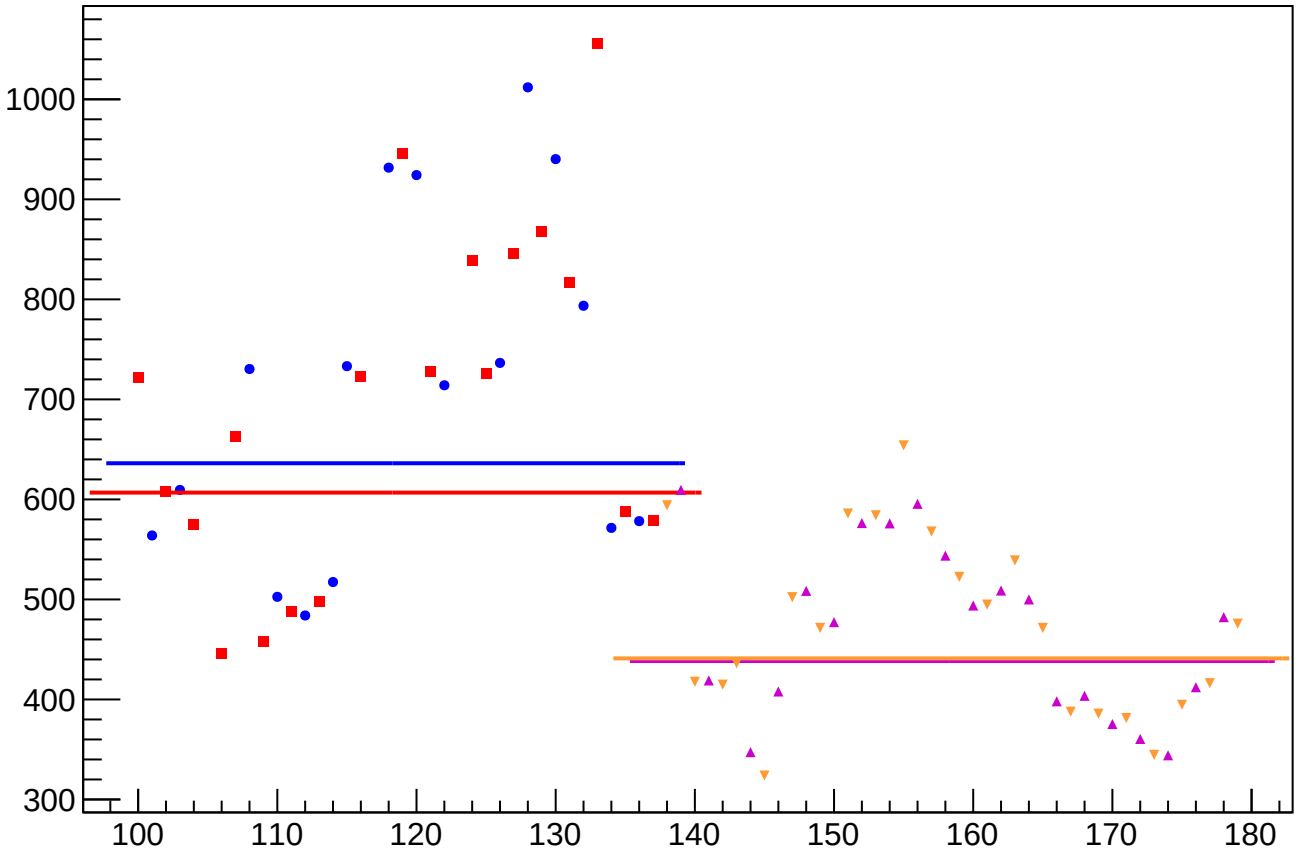
Right Out: 528.674+/-229.678 χ^2/NDF: 13.8/18

Left In: 143.588+/-110.588 χ^2/NDF:18.4/19

+ sign 520.227+/-98.413 χ^2/NDF: 84.5/37

All: 370.027+/-70.018 χ^2/NDF: 123.7/76

- sign 216.062+/-99.640 χ^2/NDF: 34.5/38



Right In: 636.144+/-0.172 χ^2/NDF: 705241.1/15

Left Out: 441.043+/-0.076 χ^2/NDF:1193759.8/21

Right Out: 606.802+/-0.162 χ^2/NDF: 893880.8/18

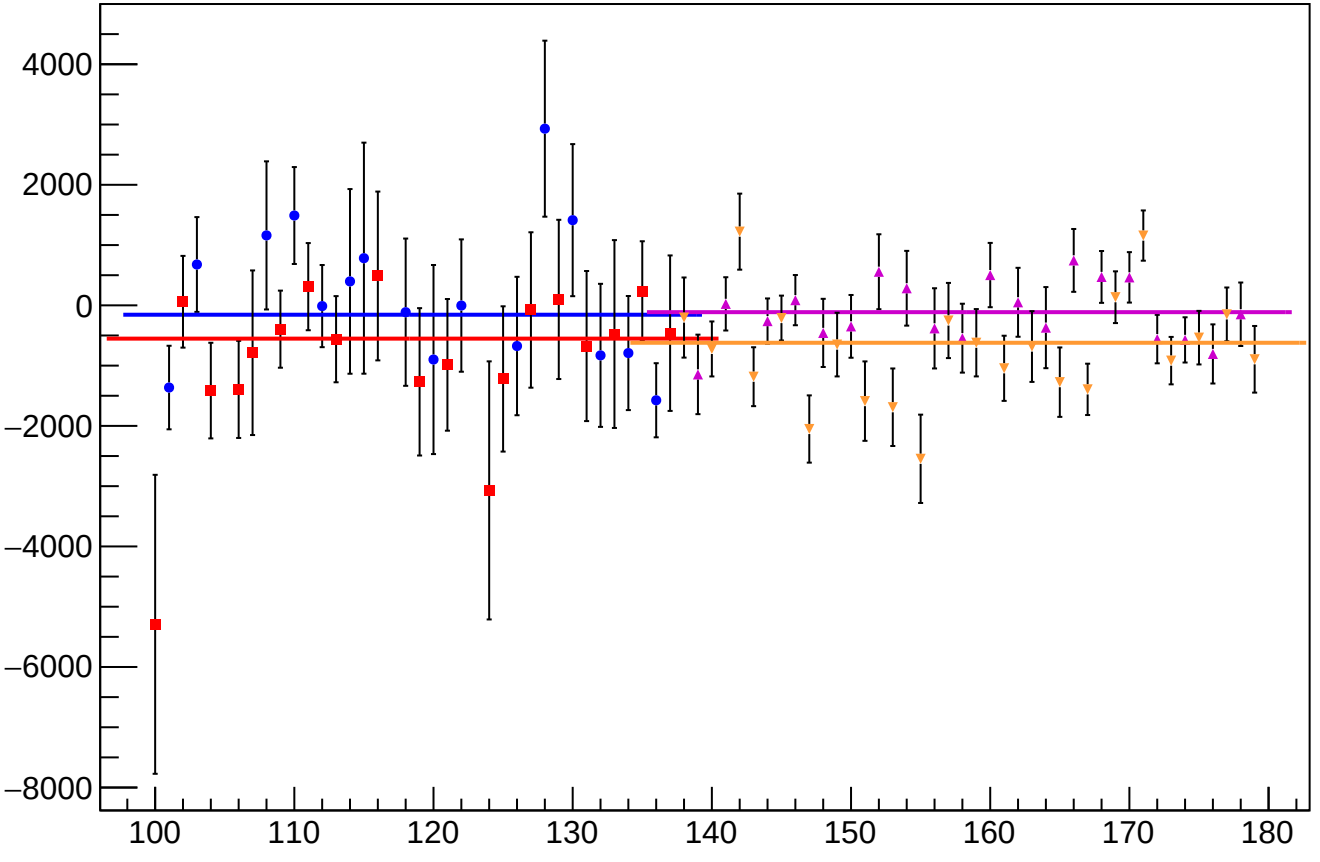
Left In: 438.427+/-0.078 χ^2/NDF:1050453.9/19

+ sign 472.834+/-0.070 χ^2/NDF: 2971112.5/37

All: 471.492+/-0.050 χ^2/NDF: 5788761.4/76

- sign 470.115+/-0.070 χ^2/NDF: 2816895.0/38

asym_sam_15_48_dd_mean vs Slug



Right In: -155.651+/-242.595 χ^2/NDF: 22.5/15

Left Out: -620.864+/-107.825 χ^2/NDF:58.8/21

Right Out: -552.176+/-228.890 χ^2/NDF: 12.1/18

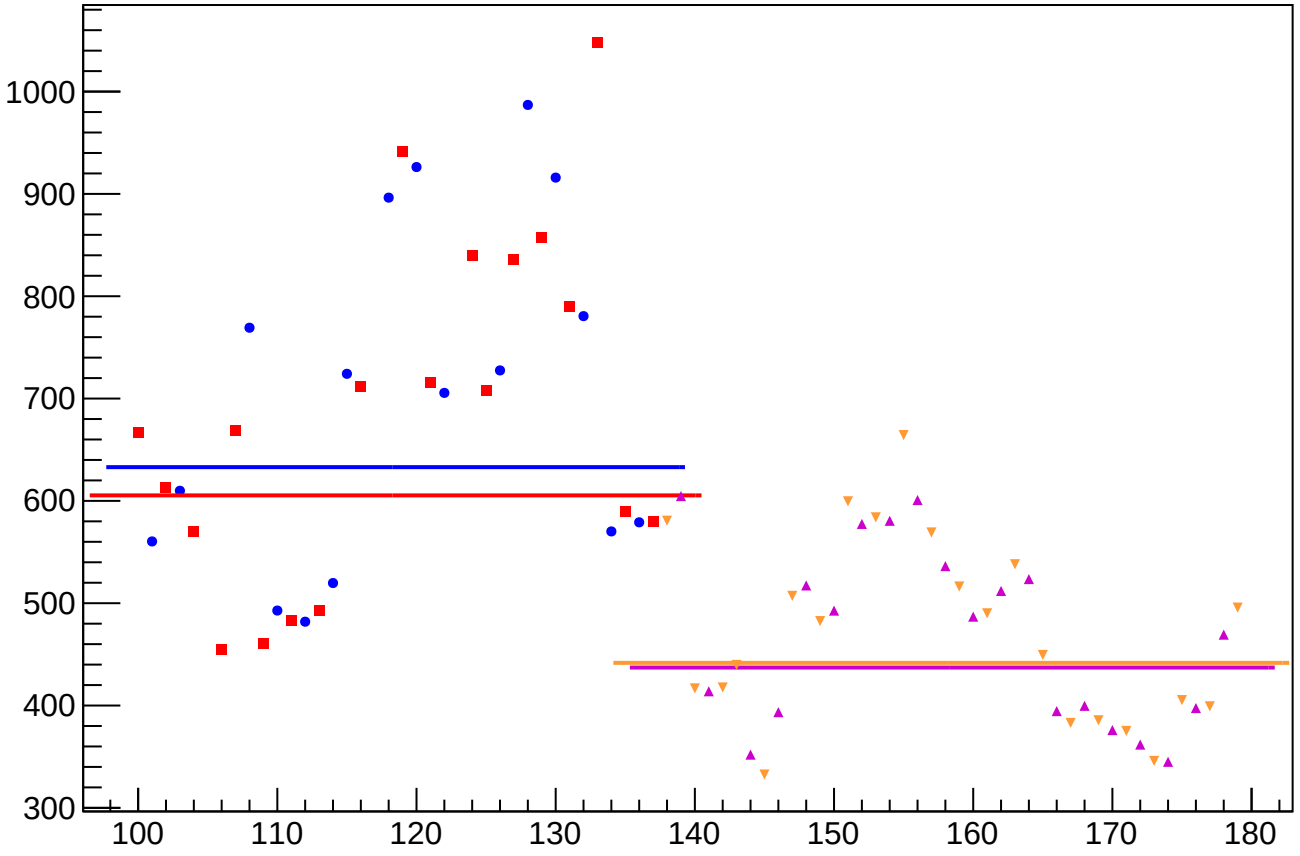
Left In: -113.028+/-110.295 χ^2/NDF:18.6/19

+ sign -544.121+/-98.531 χ^2/NDF: 84.3/37

All: -371.412+/-69.964 χ^2/NDF: 124.2/76

- sign -195.782+/-99.361 χ^2/NDF: 33.7/38

asym_sam_15_48_dd_rms vs Slug



Right In: 632.966+/-0.172 χ^2/NDF: 681138.4/15

Left Out: 441.716+/-0.076 χ^2/NDF:1186936.6/21

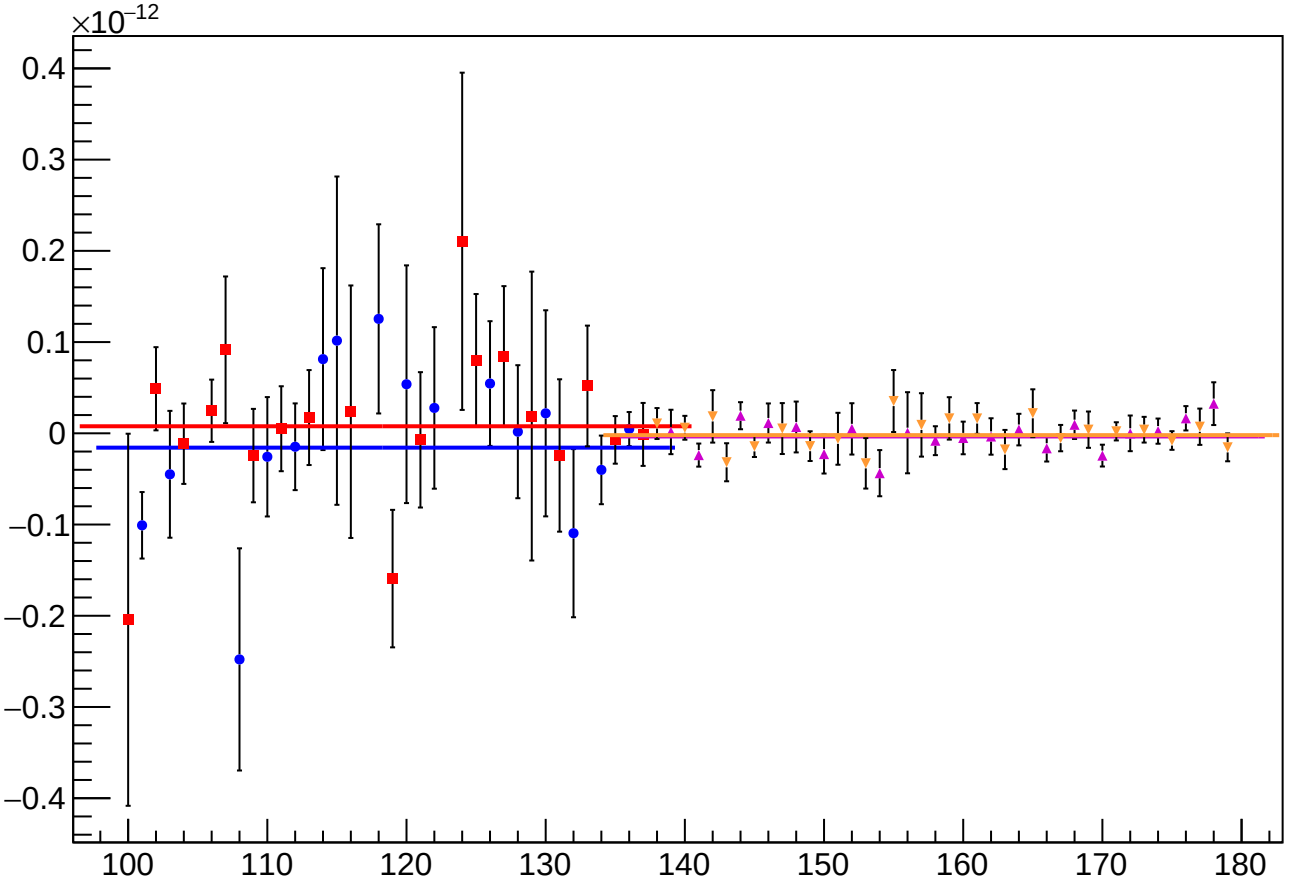
Right Out: 605.373+/-0.162 χ^2/NDF: 853994.0/18

Left In: 437.104+/-0.078 χ^2/NDF:1079134.3/19

+ sign 473.265+/-0.070 χ^2/NDF: 2906029.7/37

All: 471.057+/-0.049 χ^2/NDF: 5718397.3/76

- sign 468.813+/-0.070 χ^2/NDF: 2810343.4/38



Right In: -0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.8/21

Right Out: 0.000+/-0.000 χ^2/NDF: 13.0/18

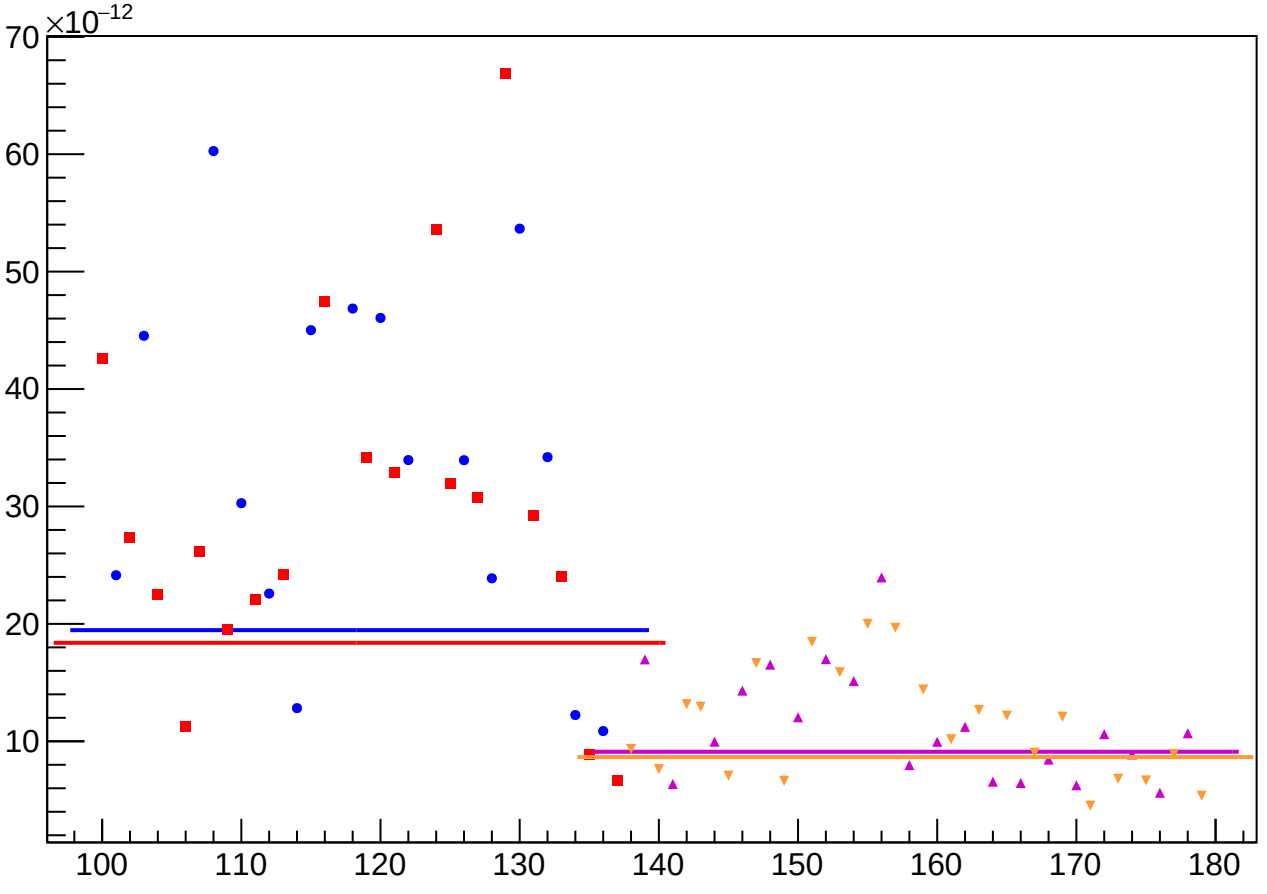
Left In: -0.000+/-0.000 χ^2/NDF:18.7/19

+ sign -0.000+/-0.000 χ^2/NDF: 30.8/37

All: -0.000+/-0.000 χ^2/NDF: 63.2/76

- sign -0.000+/-0.000 χ^2/NDF: 32.4/38

asym_sam_15_48_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1735565.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:2033798.1/21

Right Out: 0.000+/-0.000 χ^2/NDF: 1444777.6/18

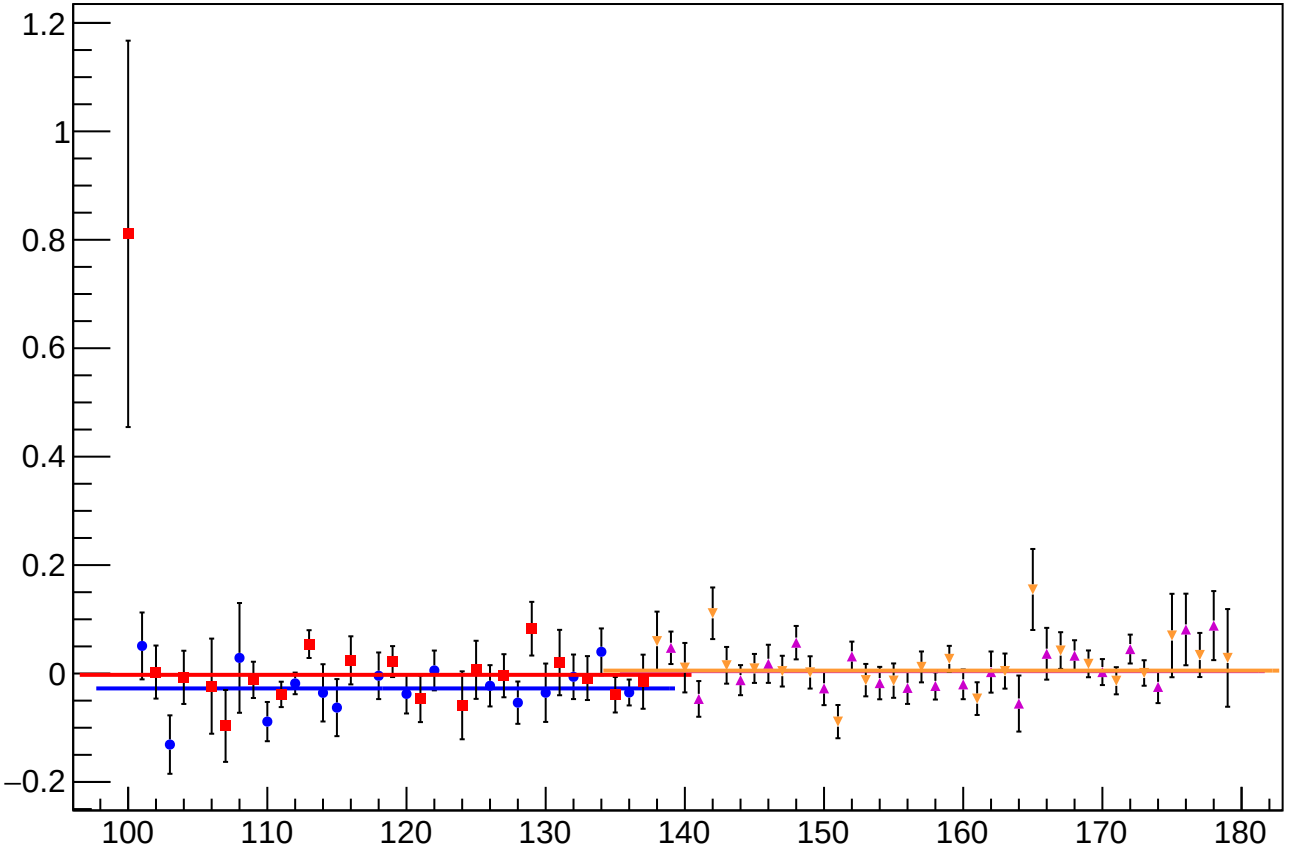
Left In: 0.000+/-0.000 χ^2/NDF:1524220.8/19

+ sign 0.000+/-0.000 χ^2/NDF: 5128351.5/37

All: 0.000+/-0.000 χ^2/NDF: 9172045.9/76

- sign 0.000+/-0.000 χ^2/NDF: 4023955.9/38

asym_sam_15_48_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.005+/-0.007 χ^2/NDF:27.3/21

Right Out: -0.002+/-0.009 χ^2/NDF: 22.1/18

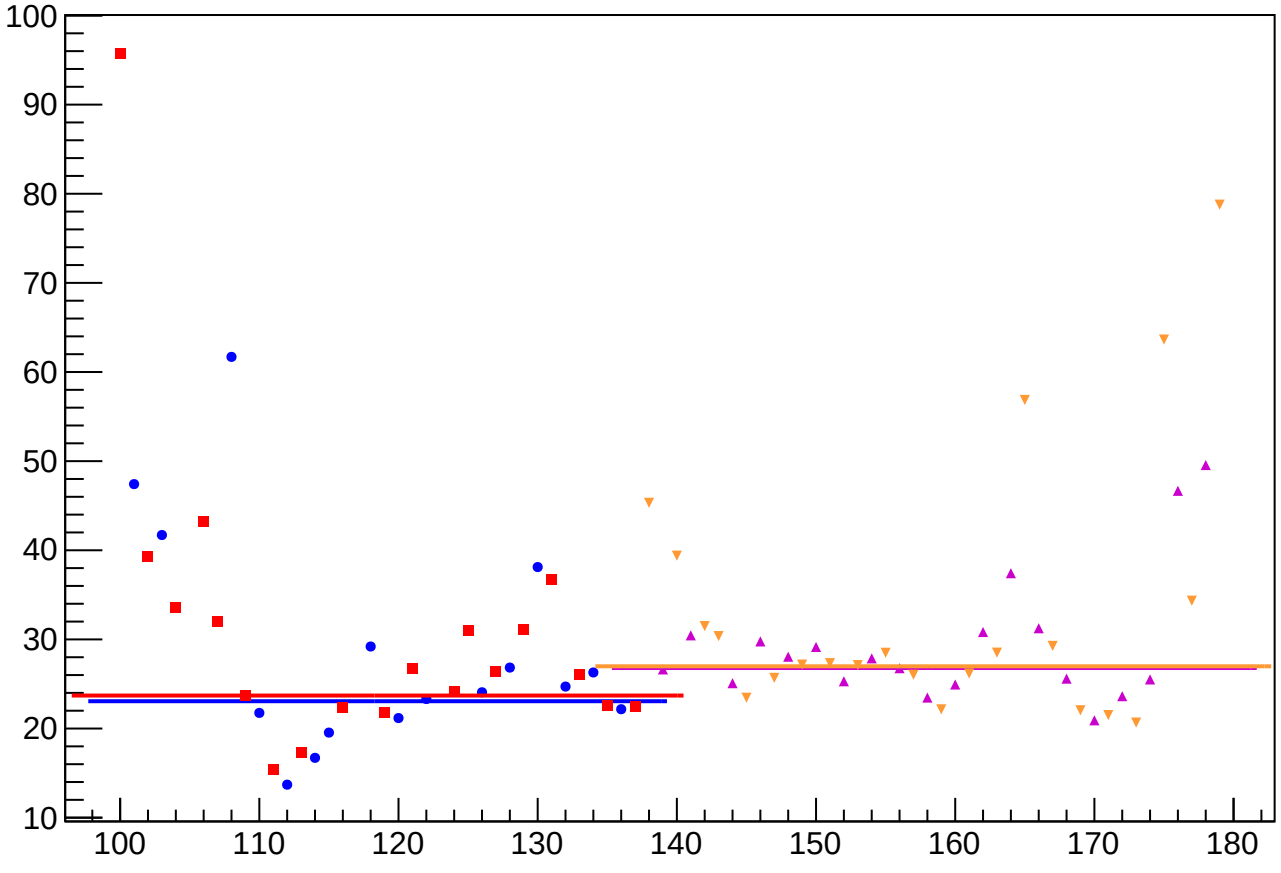
Left In: 0.004+/-0.007 χ^2/NDF:22.7/19

+ sign -0.006+/-0.006 χ^2/NDF: 48.9/37

All: -0.002+/-0.004 χ^2/NDF: 95.1/76

- sign 0.002+/-0.006 χ^2/NDF: 45.2/38

asym_sam_15_48_dd_dit_vs_cor_diff_rms vs Slug



Right In: 23.066+/-0.007 χ^2/NDF: 1564478.6/15

Left Out: 26.983+/-0.005 χ^2/NDF:2374098.2/21

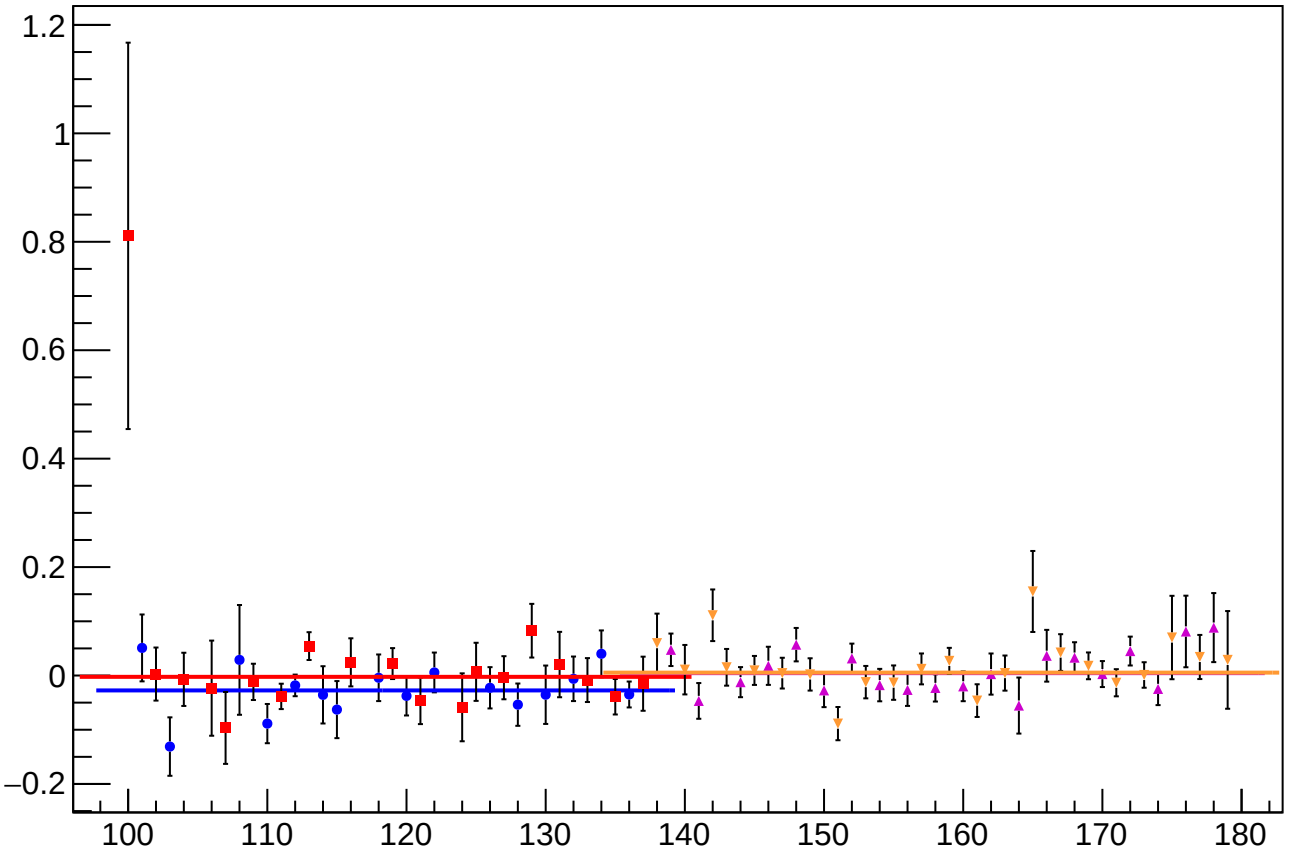
Right Out: 23.702+/-0.007 χ^2/NDF: 1088494.2/18

Left In: 26.792+/-0.005 χ^2/NDF:831403.1/19

\+ sign 25.613+/-0.004 χ^2/NDF: 4164765.1/37

All: 25.640+/-0.003 χ^2/NDF: 6225413.9/76

\- sign 25.668+/-0.004 χ^2/NDF: 2060553.5/38



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.005+/-0.007 χ^2/NDF:27.3/21

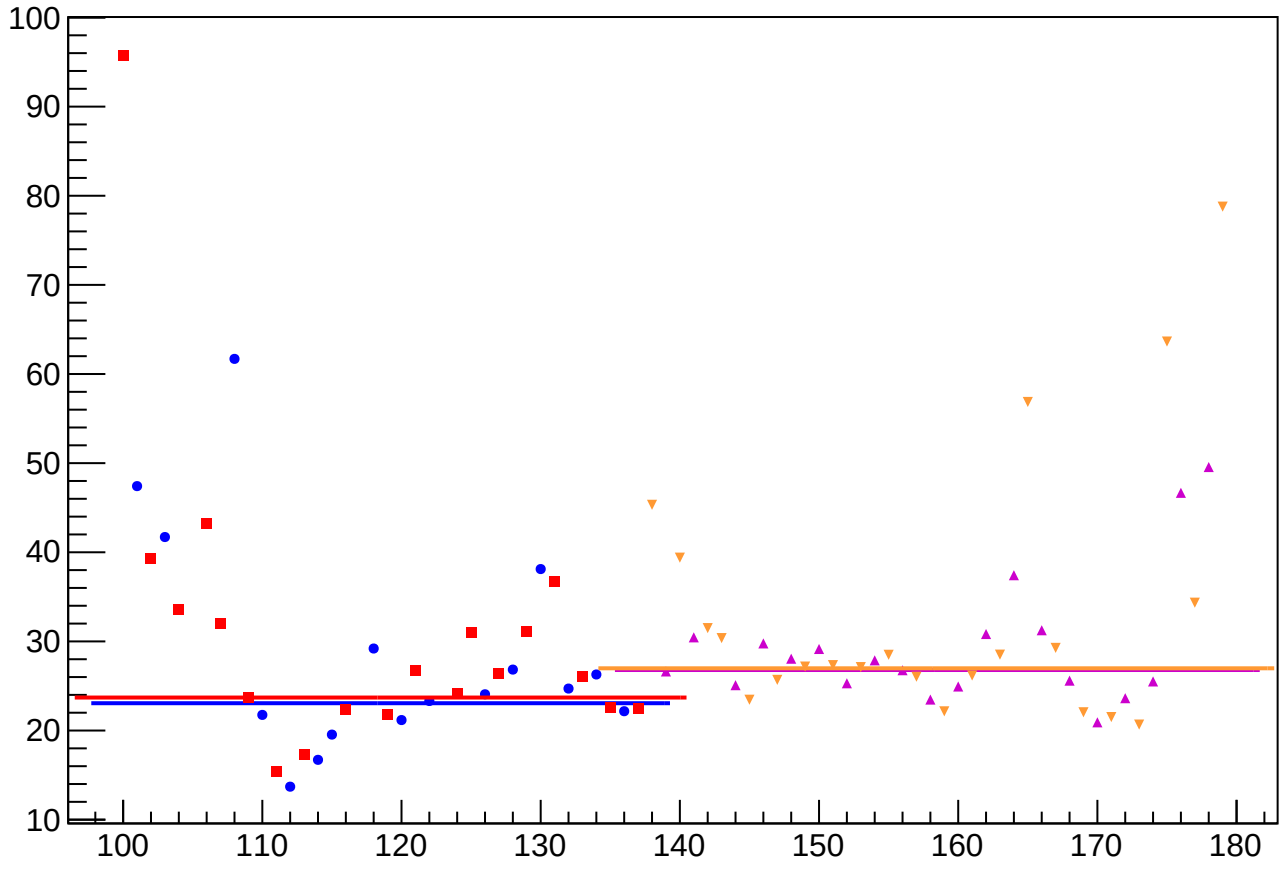
Right Out: -0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: 0.004+/-0.007 χ^2/NDF:22.7/19

+ sign -0.006+/-0.006 χ^2/NDF: 48.9/37

All: -0.002+/-0.004 χ^2/NDF: 95.1/76

- sign 0.002+/-0.006 χ^2/NDF: 45.2/38



Right In: 23.066+/-0.007 χ^2/NDF: 1564478.6/15

Left Out: 26.983+/-0.005 χ^2/NDF:2374098.2/21

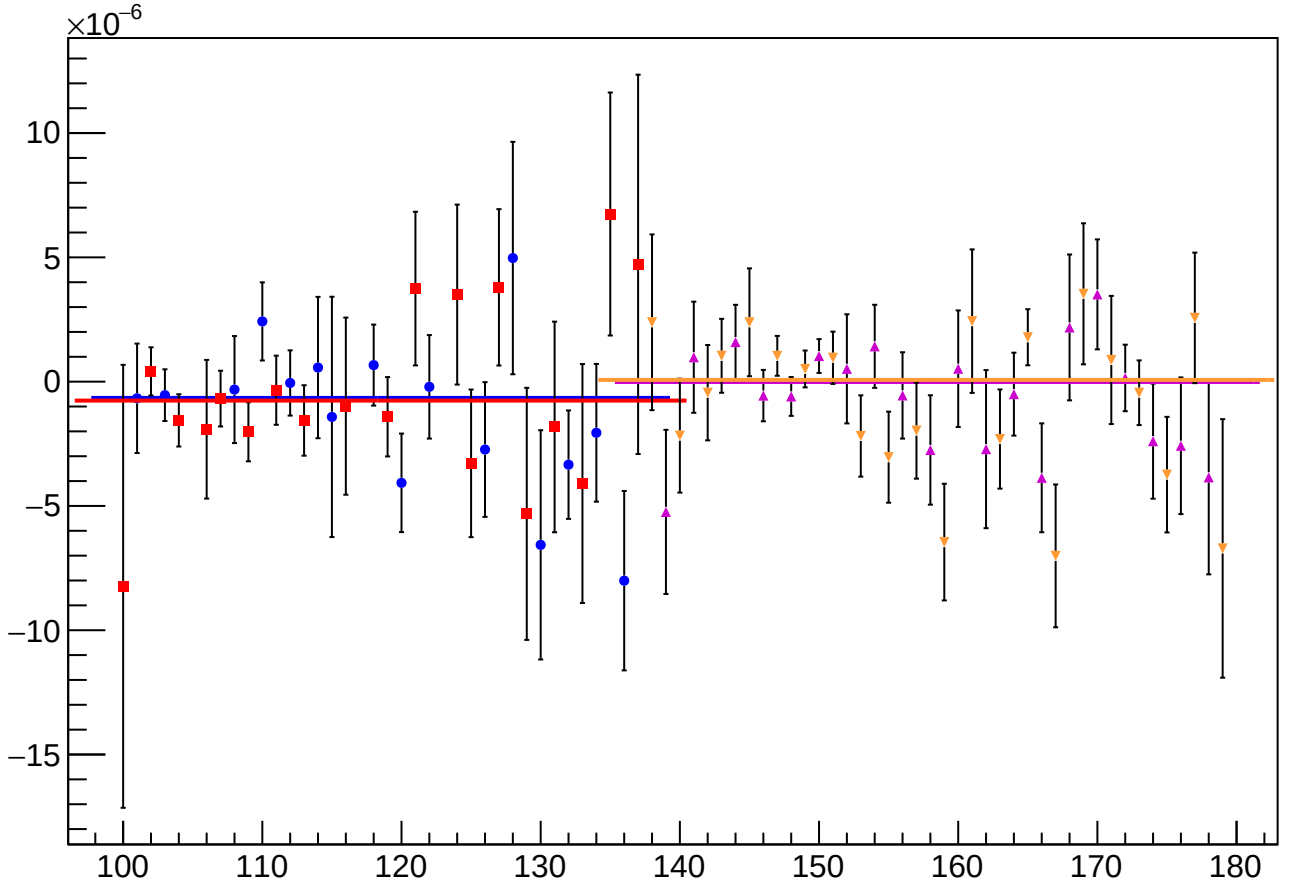
Right Out: 23.702+/-0.007 χ^2/NDF: 1088494.2/18

Left In: 26.792+/-0.005 χ^2/NDF:831403.1/19

+ sign 25.613+/-0.004 χ^2/NDF: 4164765.1/37

All: 25.640+/-0.003 χ^2/NDF: 6225413.9/76

- sign 25.668+/-0.004 χ^2/NDF: 2060553.5/38



Right In: -0.000+/-0.000 χ^2/NDF: 17.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:36.7/21

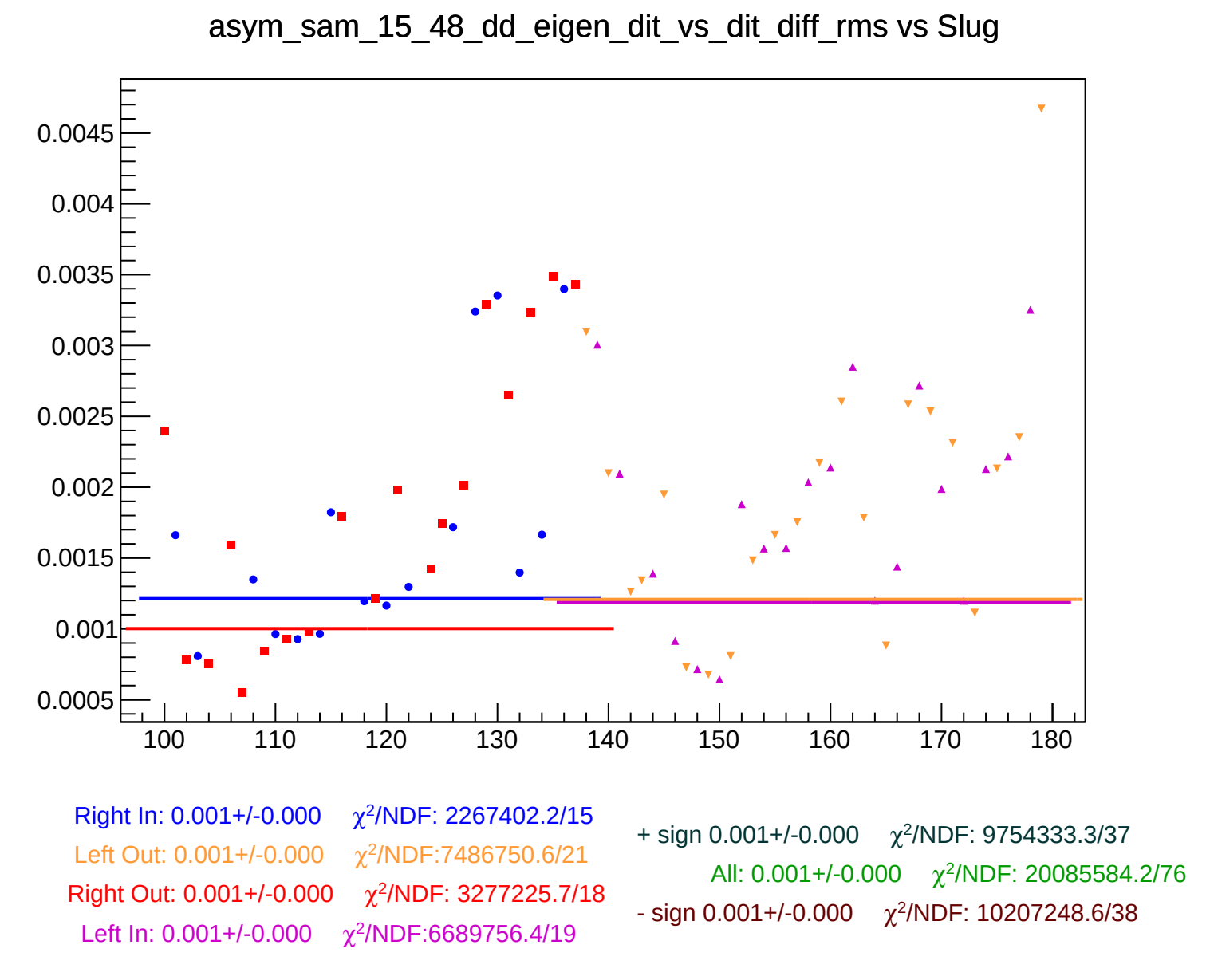
Right Out: -0.000+/-0.000 χ^2/NDF: 15.2/18

Left In: -0.000+/-0.000 χ^2/NDF:19.4/19

+ sign -0.000+/-0.000 χ^2/NDF: 55.7/37

All: -0.000+/-0.000 χ^2/NDF: 92.4/76

- sign -0.000+/-0.000 χ^2/NDF: 36.5/38


asym_sam_15_48_dd_eigen_dit_vs_dit_diff_rms vs Slug
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0.004
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0.0005
100
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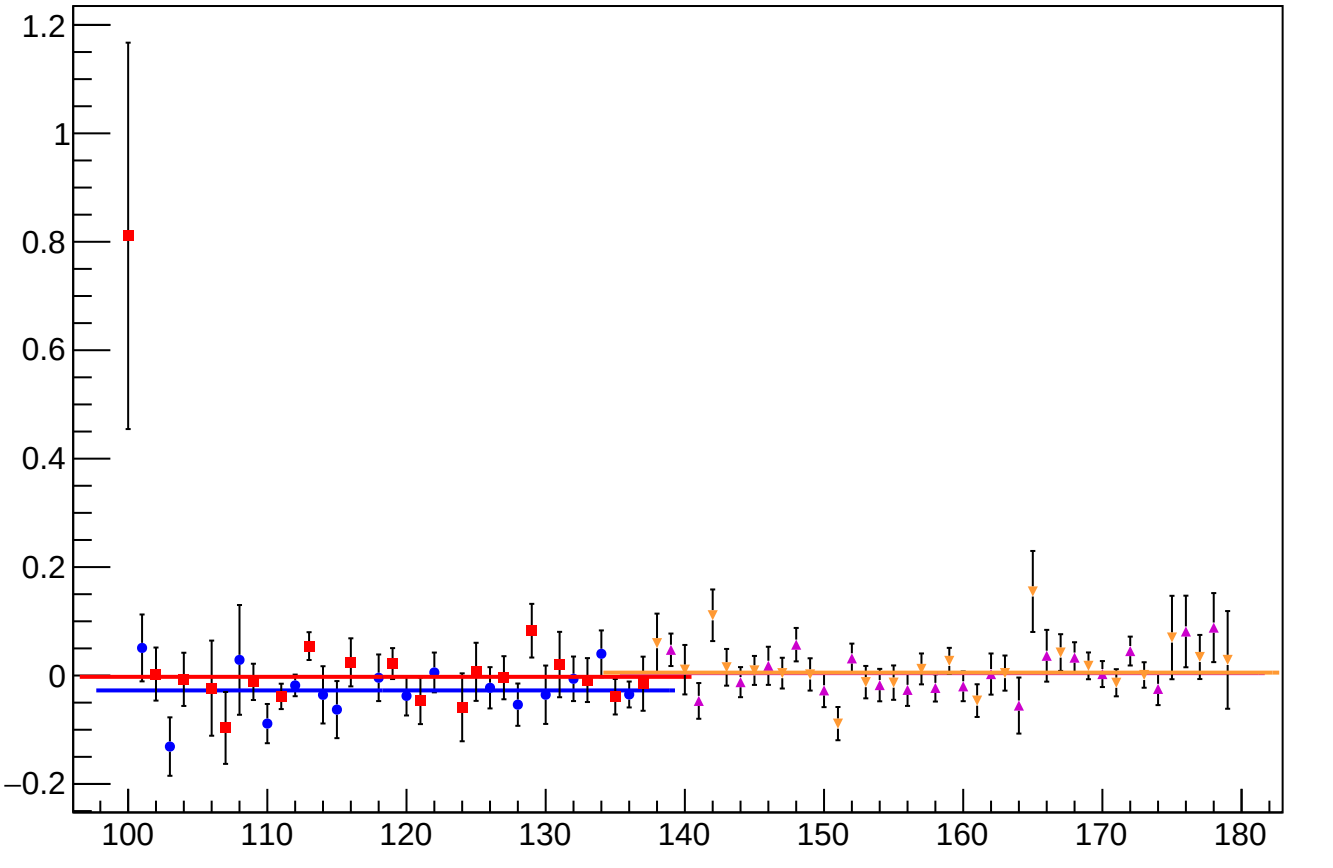
120
130
140
150
160
170
180
Right In: 0.001+/-0.000 χ²/NDF: 2267402.2/15
Left Out: 0.001+/-0.000 χ²/NDF:7486750.6/21
Right Out: 0.001+/-0.000 χ²/NDF: 3277225.7/18
Left In: 0.001+/-0.000 χ²/NDF:6689756.4/19
+ sign 0.001+/-0.000 χ²/NDF: 9754333.3/37
All: 0.001+/-0.000 χ²/NDF: 20085584.2/76
- sign 0.001+/-0.000 χ²/NDF: 10207248.6/38



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.005+/-0.007 χ^2/NDF:27.3/21

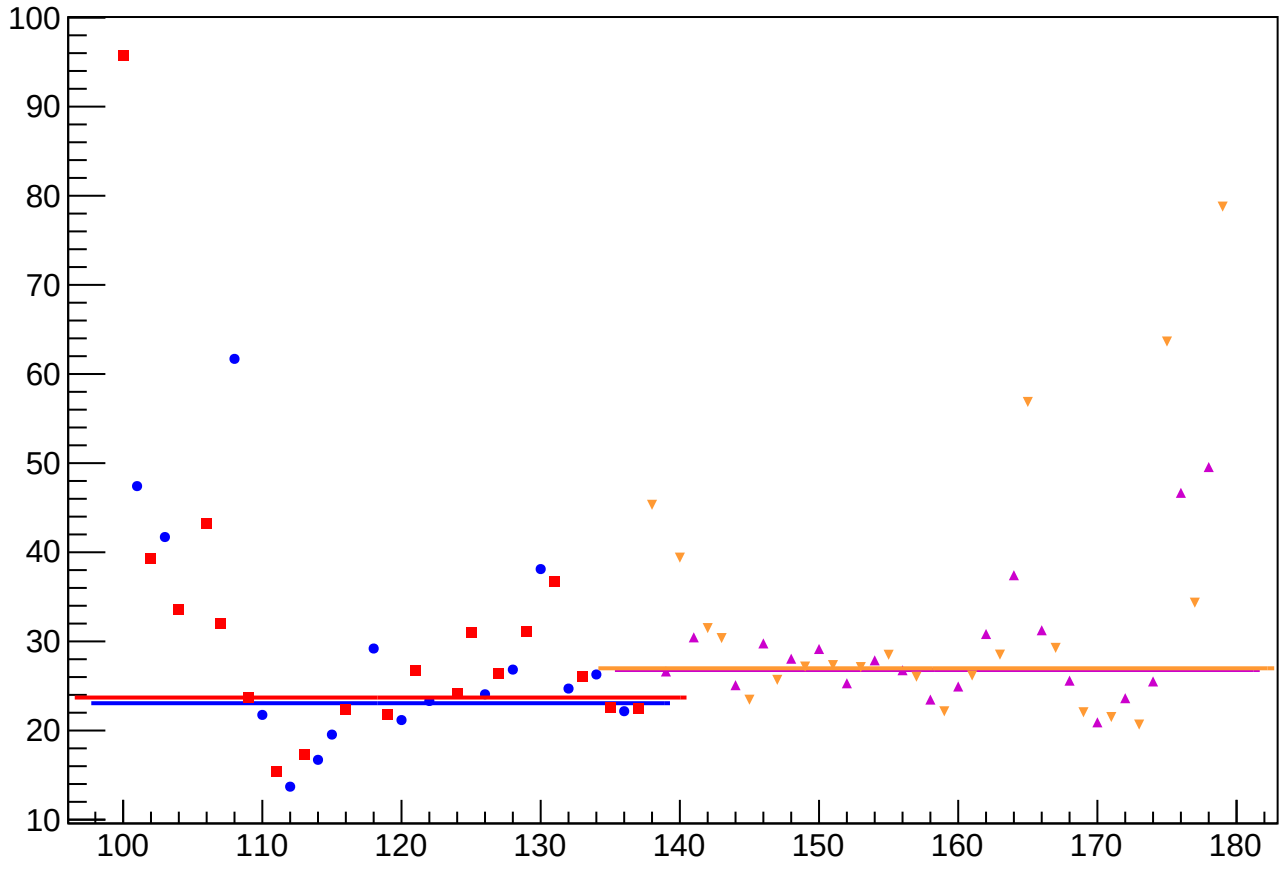
Right Out: -0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: 0.004+/-0.007 χ^2/NDF:22.7/19

+ sign -0.006+/-0.006 χ^2/NDF: 48.9/37

All: -0.002+/-0.004 χ^2/NDF: 95.1/76

- sign 0.002+/-0.006 χ^2/NDF: 45.2/38



Right In: 23.065+/-0.007 χ^2/NDF: 1564493.0/15

Left Out: 26.983+/-0.005 χ^2/NDF:2374051.3/21

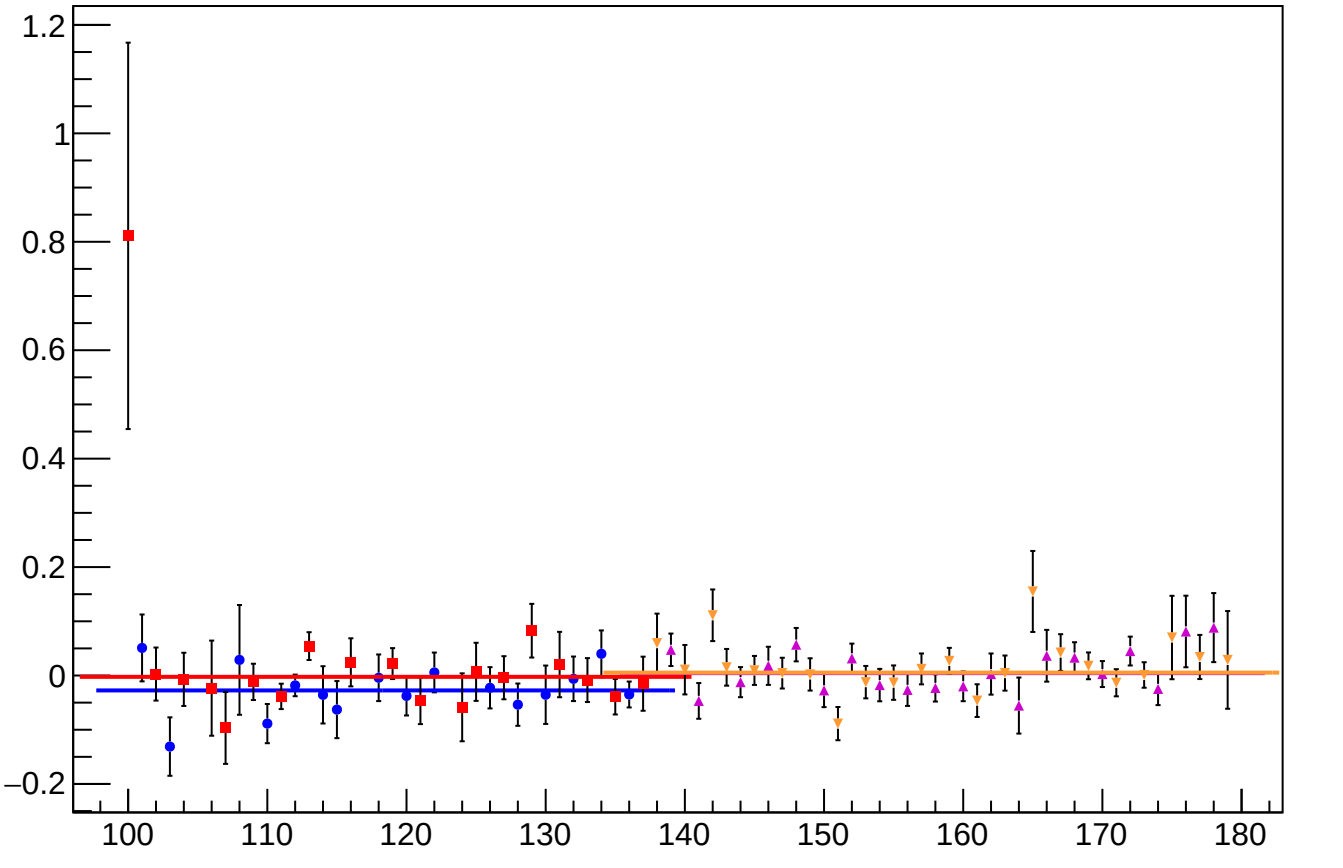
Right Out: 23.702+/-0.007 χ^2/NDF: 1088531.8/18

Left In: 26.792+/-0.005 χ^2/NDF:831389.6/19

+ sign 25.613+/-0.004 χ^2/NDF: 4164793.0/37

All: 25.640+/-0.003 χ^2/NDF: 6225504.9/76

- sign 25.668+/-0.004 χ^2/NDF: 2060616.9/38



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.005+/-0.007 χ^2/NDF:27.3/21

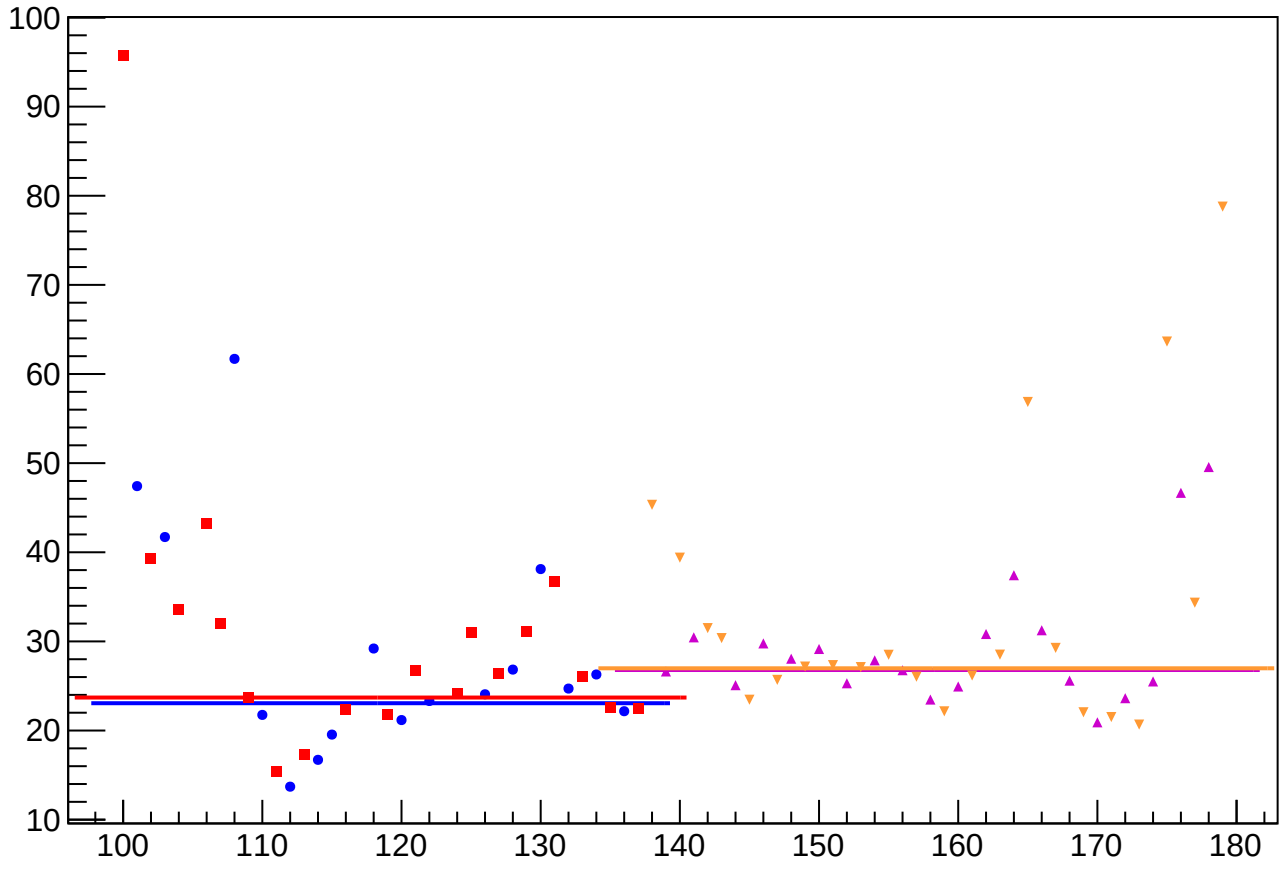
Right Out: -0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: 0.004+/-0.007 χ^2/NDF:22.7/19

+ sign -0.006+/-0.006 χ^2/NDF: 48.9/37

All: -0.002+/-0.004 χ^2/NDF: 95.1/76

- sign 0.002+/-0.006 χ^2/NDF: 45.2/38



Right In: 23.065+/-0.007 χ^2/NDF: 1564493.0/15

Left Out: 26.983+/-0.005 χ^2/NDF:2374051.3/21

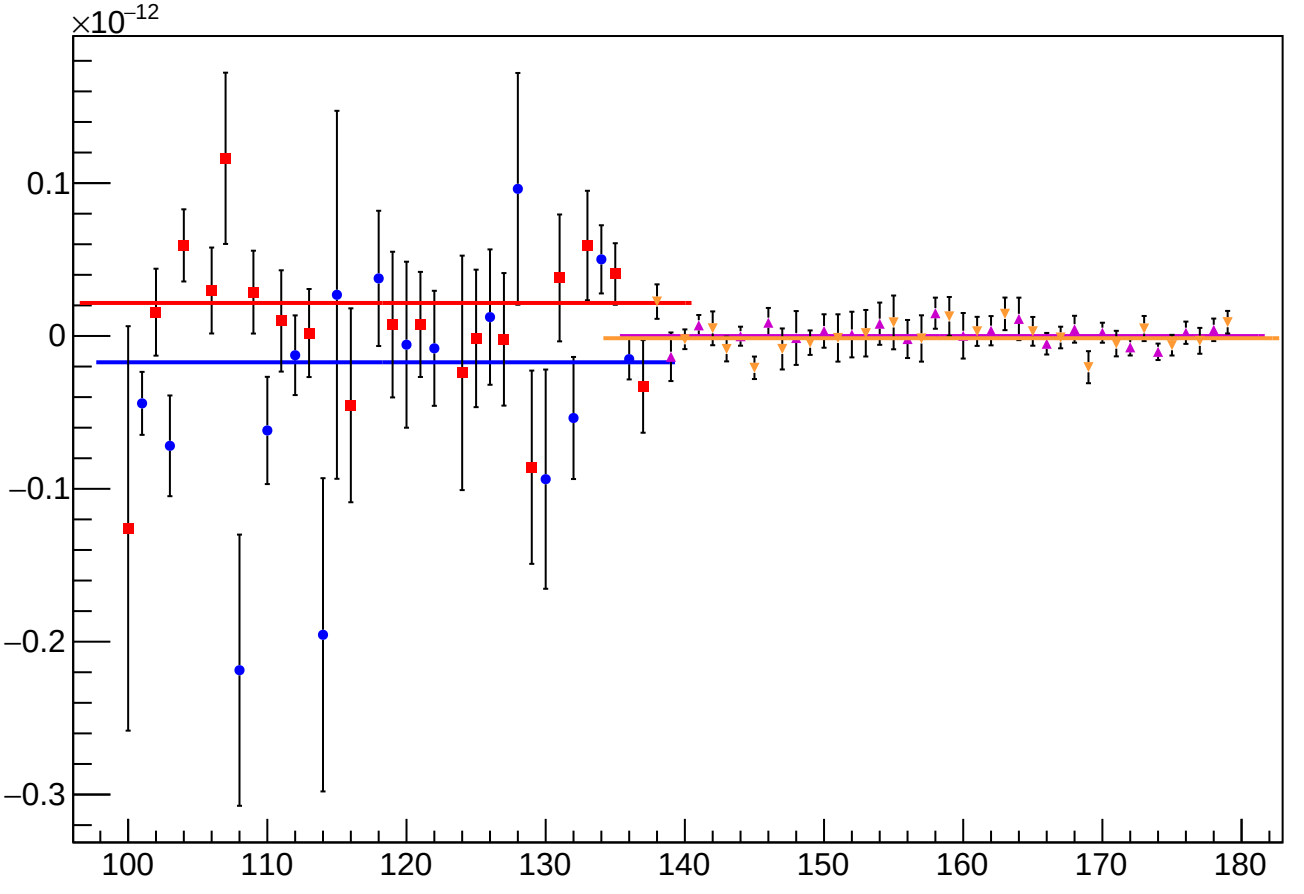
Right Out: 23.702+/-0.007 χ^2/NDF: 1088531.8/18

Left In: 26.792+/-0.005 χ^2/NDF:831389.6/19

+ sign 25.613+/-0.004 χ^2/NDF: 4164793.0/37

All: 25.640+/-0.003 χ^2/NDF: 6225504.9/76

- sign 25.668+/-0.004 χ^2/NDF: 2060616.9/38



Right In: -0.000+/-0.000 χ^2/NDF: 29.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:23.9/21

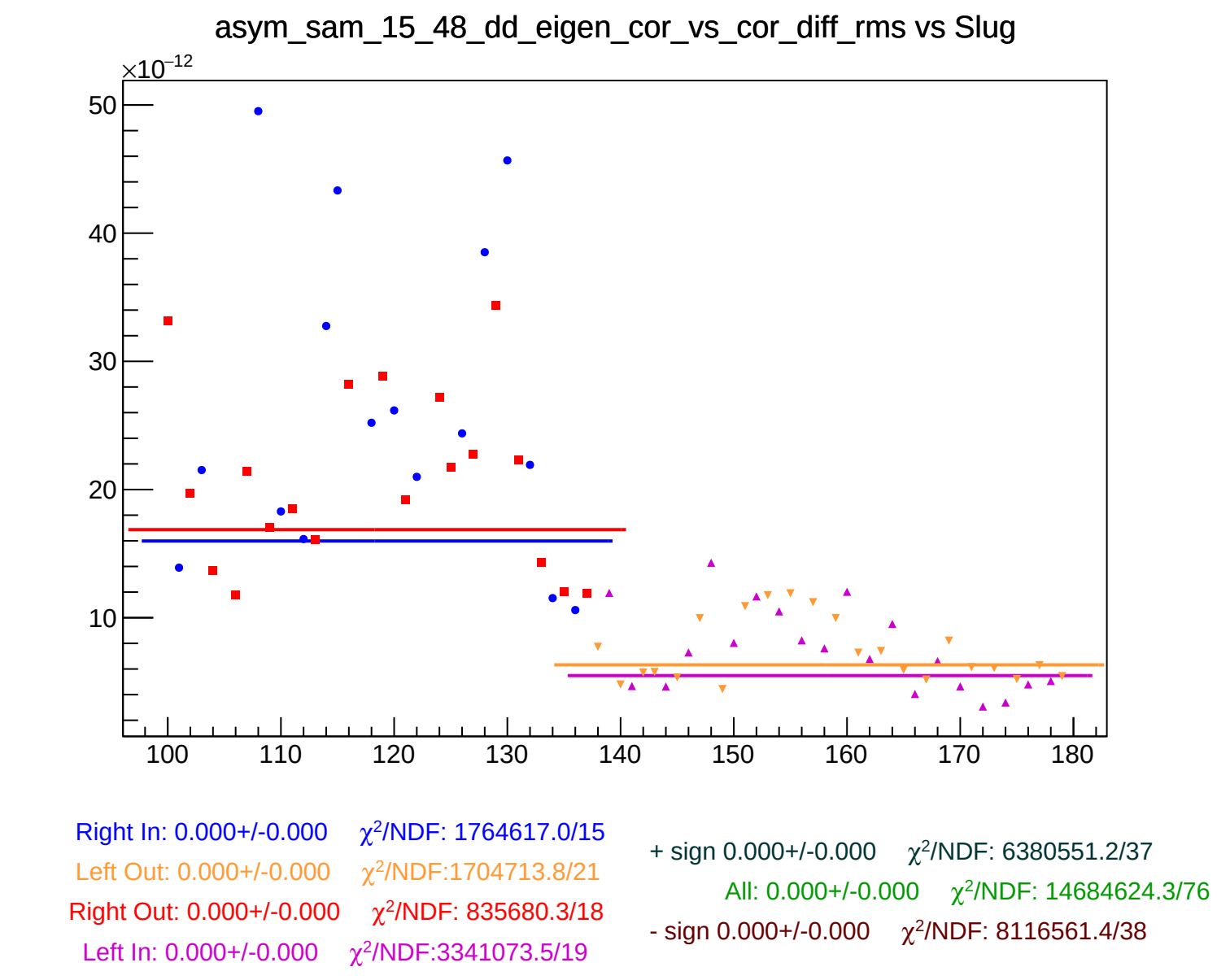
Right Out: 0.000+/-0.000 χ^2/NDF: 18.0/18

Left In: -0.000+/-0.000 χ^2/NDF:12.9/19

+ sign -0.000+/-0.000 χ^2/NDF: 57.6/37

All: -0.000+/-0.000 χ^2/NDF: 97.4/76

- sign 0.000+/-0.000 χ^2/NDF: 38.0/38


asym_sam_15_48_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
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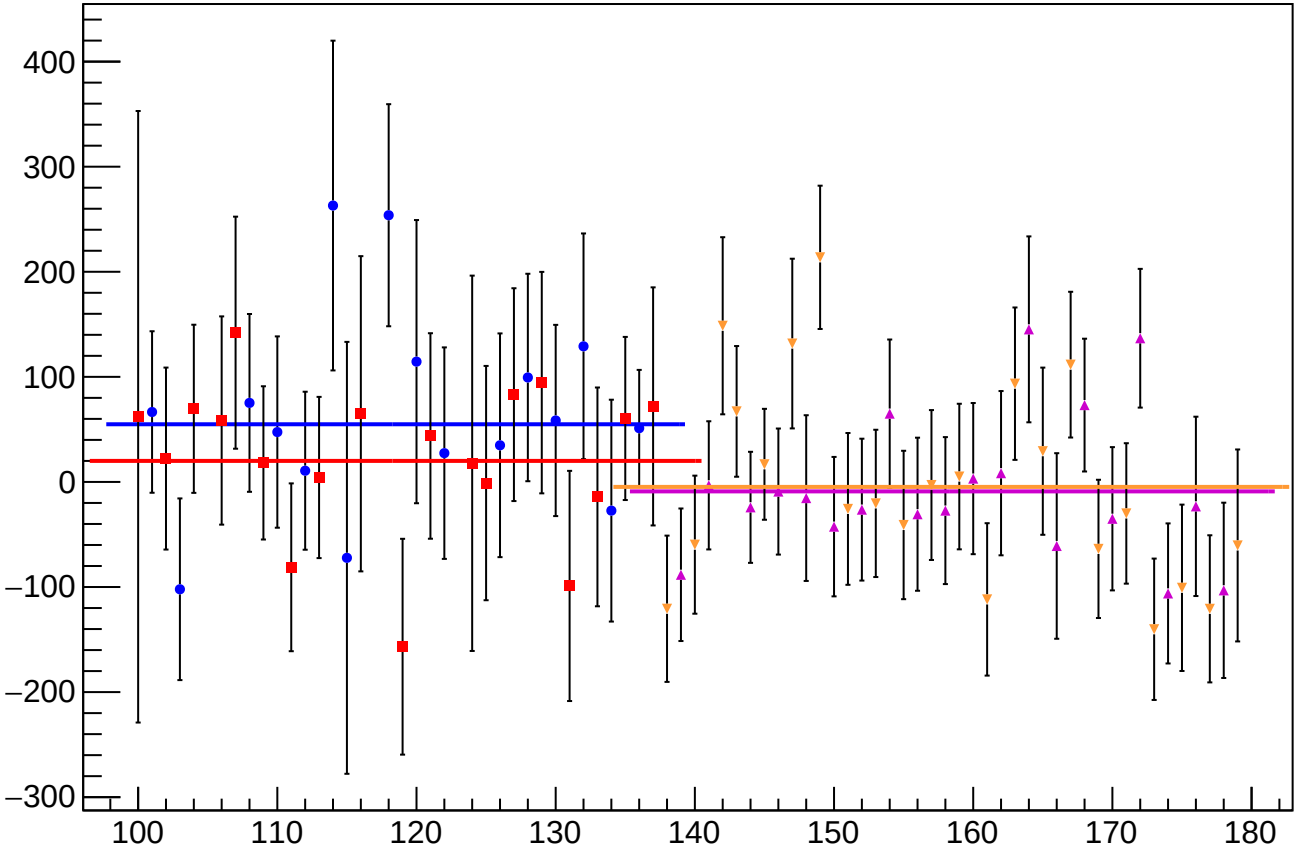
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1764617.0/15
Left Out: 0.000+/-0.000 χ²/NDF:1704713.8/21
Right Out: 0.000+/-0.000 χ²/NDF: 835680.3/18
Left In: 0.000+/-0.000 χ²/NDF:3341073.5/19
+ sign 0.000+/-0.000 χ²/NDF: 6380551.2/37
All: 0.000+/-0.000 χ²/NDF: 14684624.3/76
- sign 0.000+/-0.000 χ²/NDF: 8116561.4/38

reg_asym_sam_37_48_dd_mean vs Slug



Right In: 54.883+/-23.179 χ^2/NDF: 11.0/15

Left Out: -4.717+/-14.954 χ^2/NDF:38.4/21

Right Out: 20.020+/-22.571 χ^2/NDF: 9.2/18

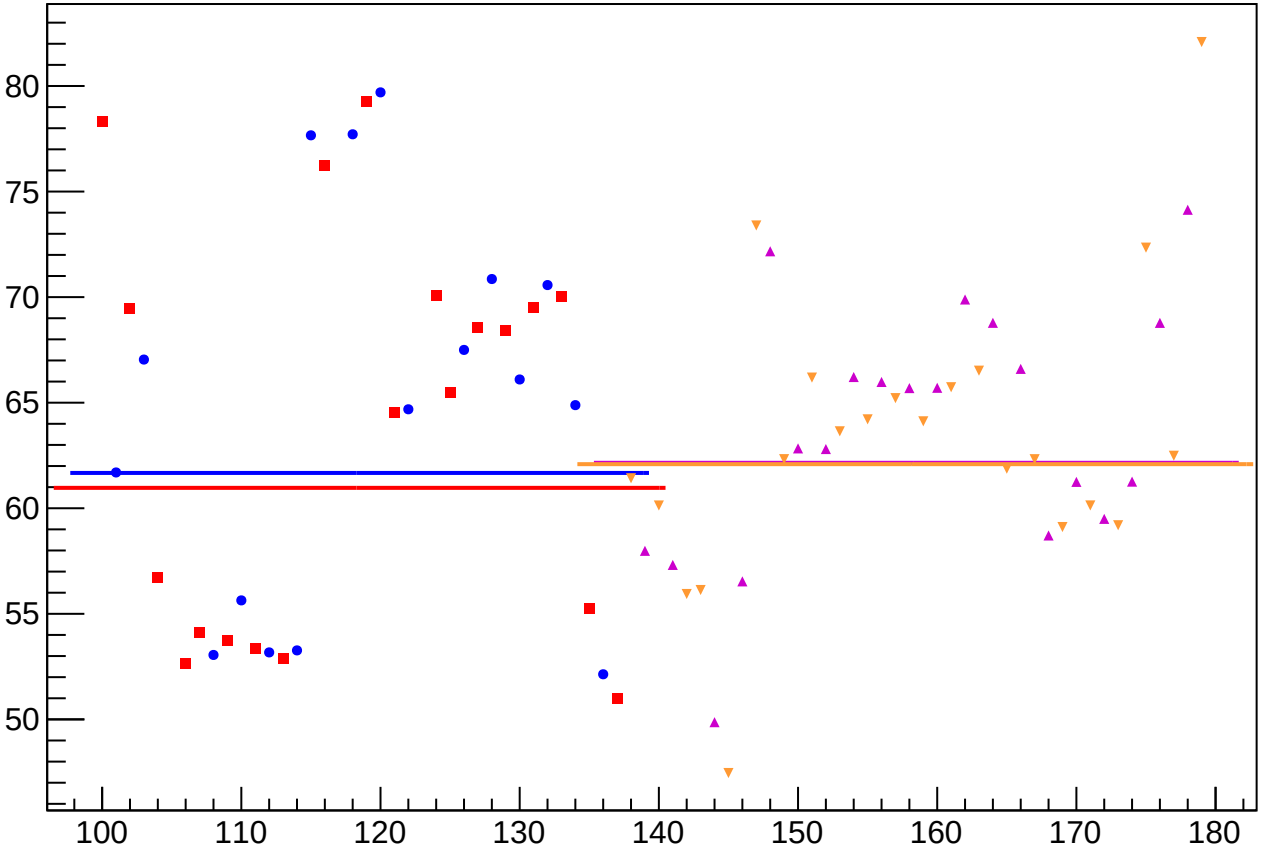
Left In: -8.995+/-15.482 χ^2/NDF:16.9/19

+ sign 12.799+/-12.566 χ^2/NDF: 54.1/37

All: 6.643+/-8.956 χ^2/NDF: 81.8/76

- sign 0.288+/-12.767 χ^2/NDF: 27.2/38

reg_asym_sam_37_48_dd_rms vs Slug



Right In: 61.673+/-0.016 χ^2/NDF: 267108.1/15

Left Out: 62.088+/-0.011 χ^2/NDF:390195.2/21

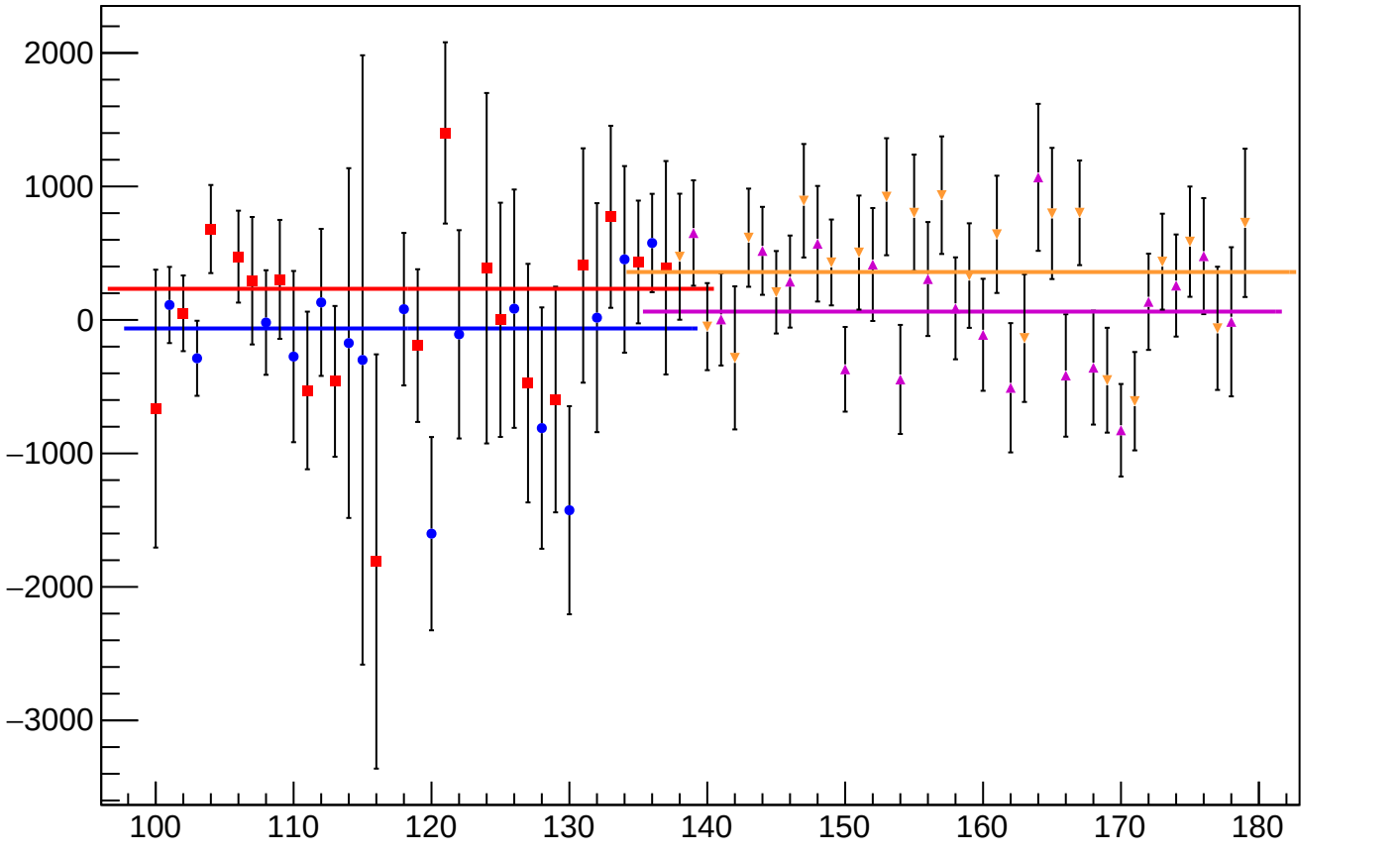
Right Out: 60.967+/-0.016 χ^2/NDF: 284183.4/18

Left In: 62.153+/-0.011 χ^2/NDF:300926.0/19

+ sign 61.966+/-0.009 χ^2/NDF: 657756.9/37

All: 61.871+/-0.006 χ^2/NDF: 1246856.7/76

- sign 61.773+/-0.009 χ^2/NDF: 588868.1/38



Right In: -63.834+/-129.674 χ^2/NDF: 13.2/15

Left Out: 359.021+/-86.502 χ^2/NDF:26.3/21

Right Out: 233.206+/-122.791 χ^2/NDF: 14.5/18

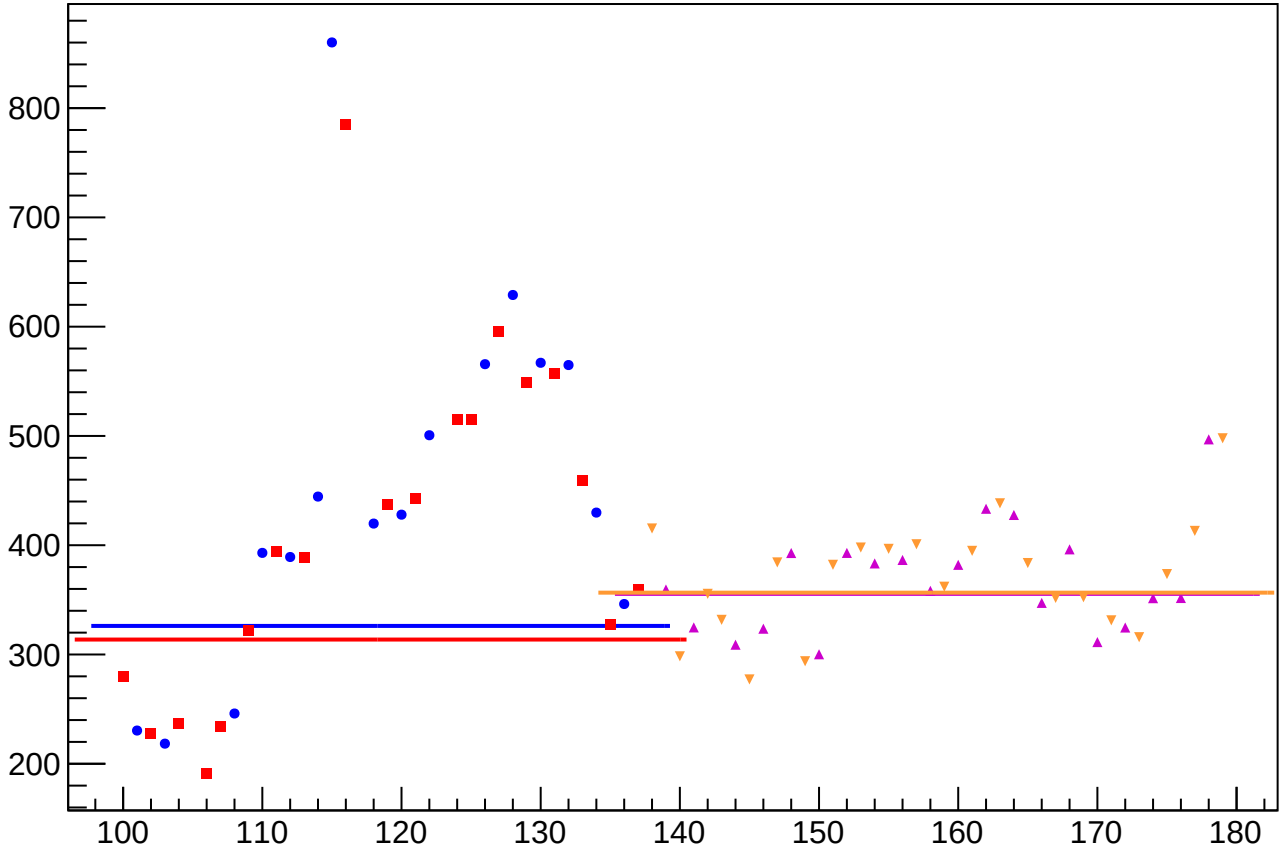
Left In: 62.484+/-88.932 χ^2/NDF:25.2/19

+ sign 228.803+/-71.960 χ^2/NDF: 46.8/37

All: 175.062+/-50.907 χ^2/NDF: 88.9/76

- sign 121.224+/-72.026 χ^2/NDF: 40.9/38

asym_sam_37_48_dd_reg_correction_rms vs Slug



Right In: 326.147+/-0.092 χ^2/NDF: 1733995.5/15

Left Out: 356.594+/-0.061 χ^2/NDF:661280.4/21

Right Out: 313.672+/-0.087 χ^2/NDF: 1787347.3/18

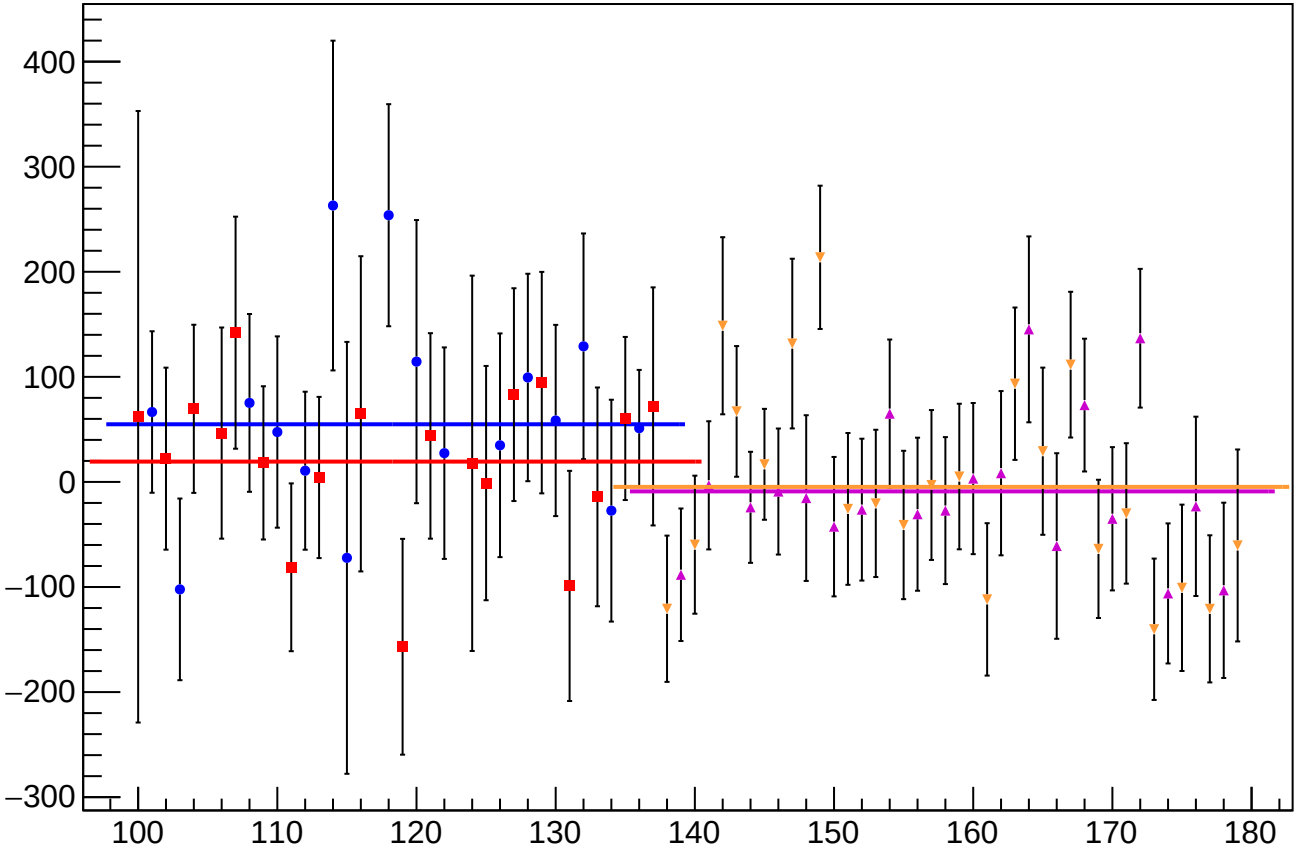
Left In: 355.456+/-0.063 χ^2/NDF:472747.0/19

+ sign 347.218+/-0.051 χ^2/NDF: 2471579.5/37

All: 344.152+/-0.036 χ^2/NDF: 4890848.1/76

- sign 341.079+/-0.051 χ^2/NDF: 2411997.7/38

cor_asym_sam_37_48_dd_mean vs Slug



Right In: 54.877+/-23.179 χ^2/NDF: 11.0/15

Left Out: -4.720+/-14.954 χ^2/NDF:38.4/21

Right Out: 19.352+/-22.588 χ^2/NDF: 9.2/18

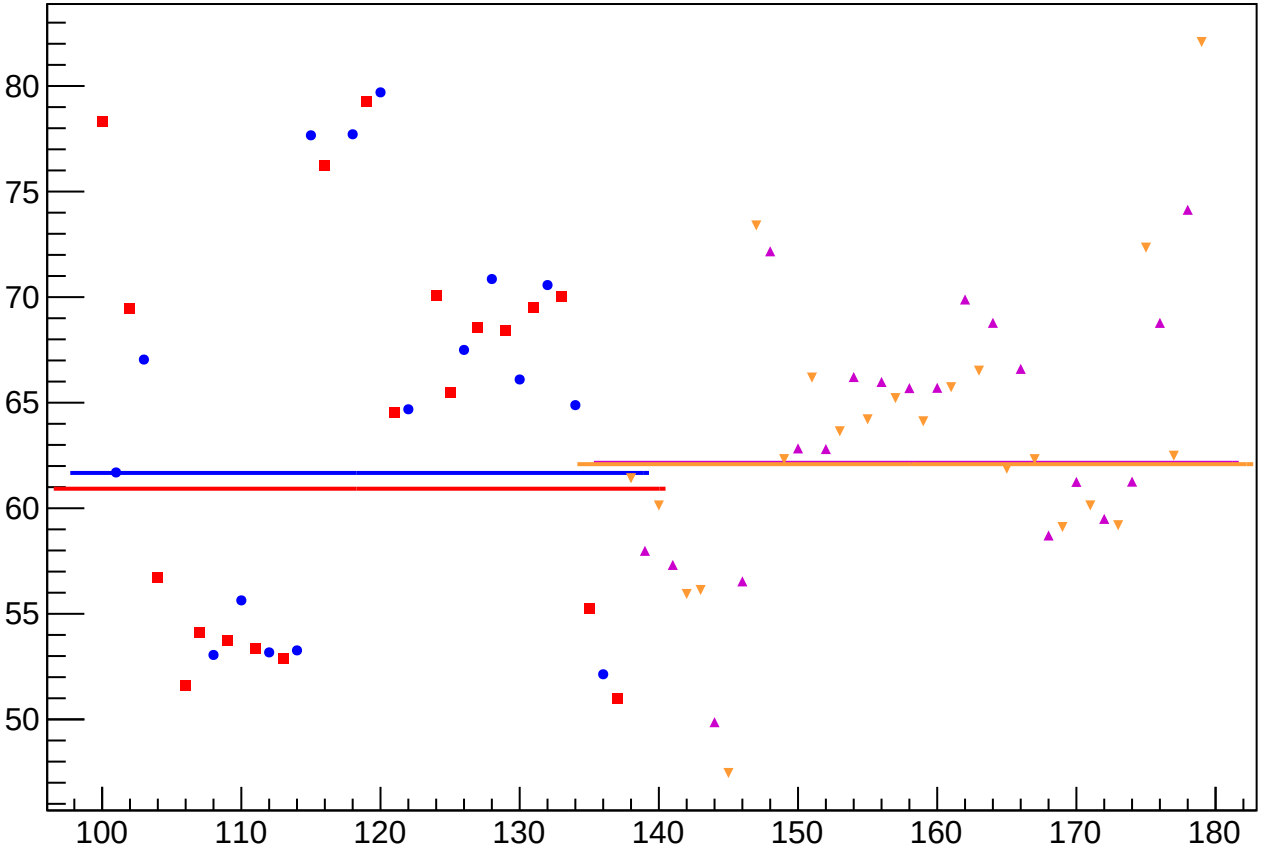
Left In: -8.994+/-15.482 χ^2/NDF:16.9/19

+ sign 12.796+/-12.566 χ^2/NDF: 54.1/37

All: 6.533+/-8.957 χ^2/NDF: 81.7/76

- sign 0.066+/-12.770 χ^2/NDF: 27.1/38

cor_asym_sam_37_48_dd_rms vs Slug



Right In: 61.673+/-0.016 χ^2/NDF: 267108.3/15

Left Out: 62.088+/-0.011 χ^2/NDF:390195.2/21

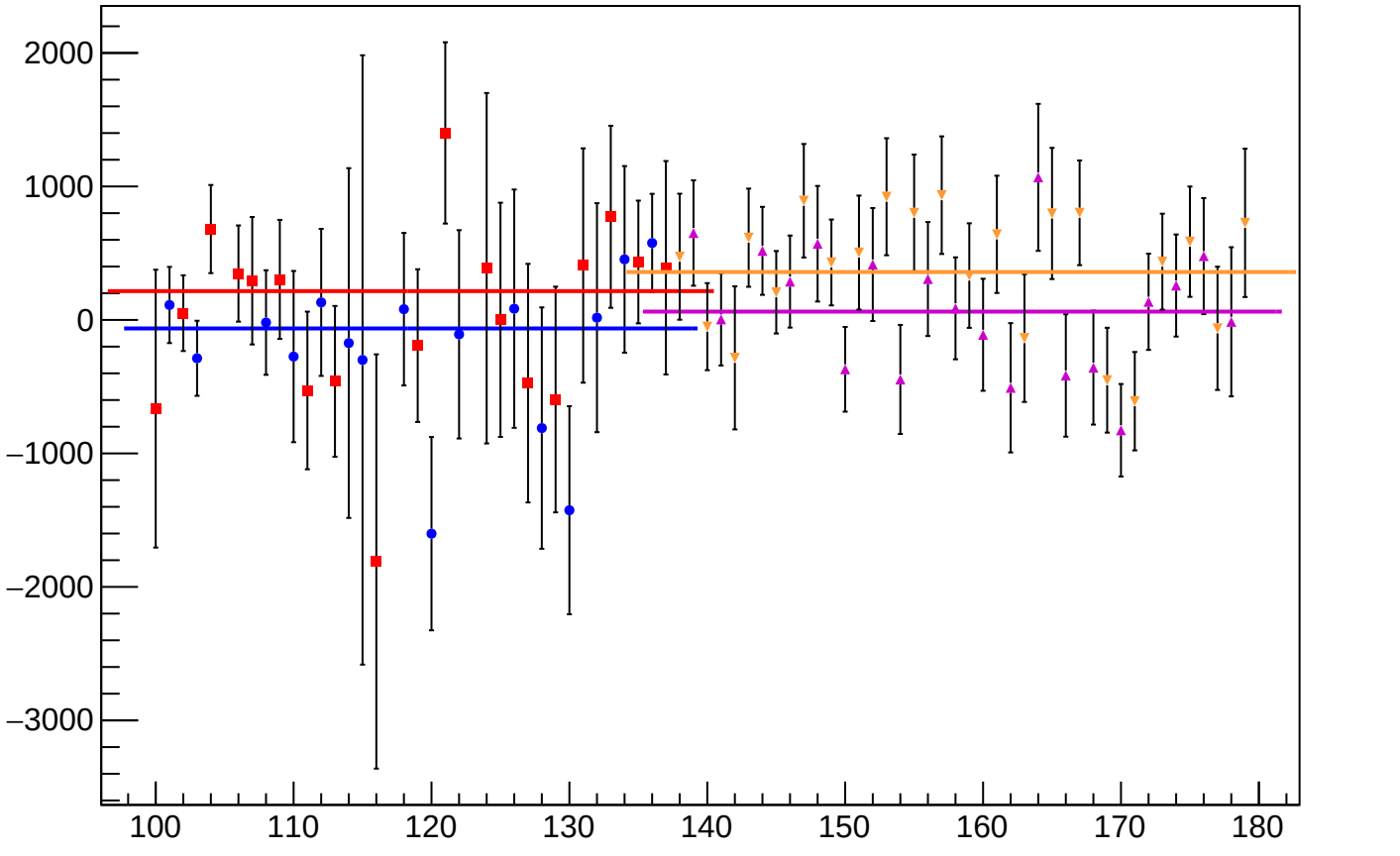
Right Out: 60.926+/-0.016 χ^2/NDF: 287579.6/18

Left In: 62.153+/-0.011 χ^2/NDF:300926.0/19

+ sign 61.966+/-0.009 χ^2/NDF: 657757.1/37

All: 61.865+/-0.006 χ^2/NDF: 1250543.7/76

- sign 61.761+/-0.009 χ^2/NDF: 592523.5/38



Right In: -63.820+/-129.675 χ^2/NDF: 13.2/15

Left Out: 359.020+/-86.502 χ^2/NDF:26.3/21

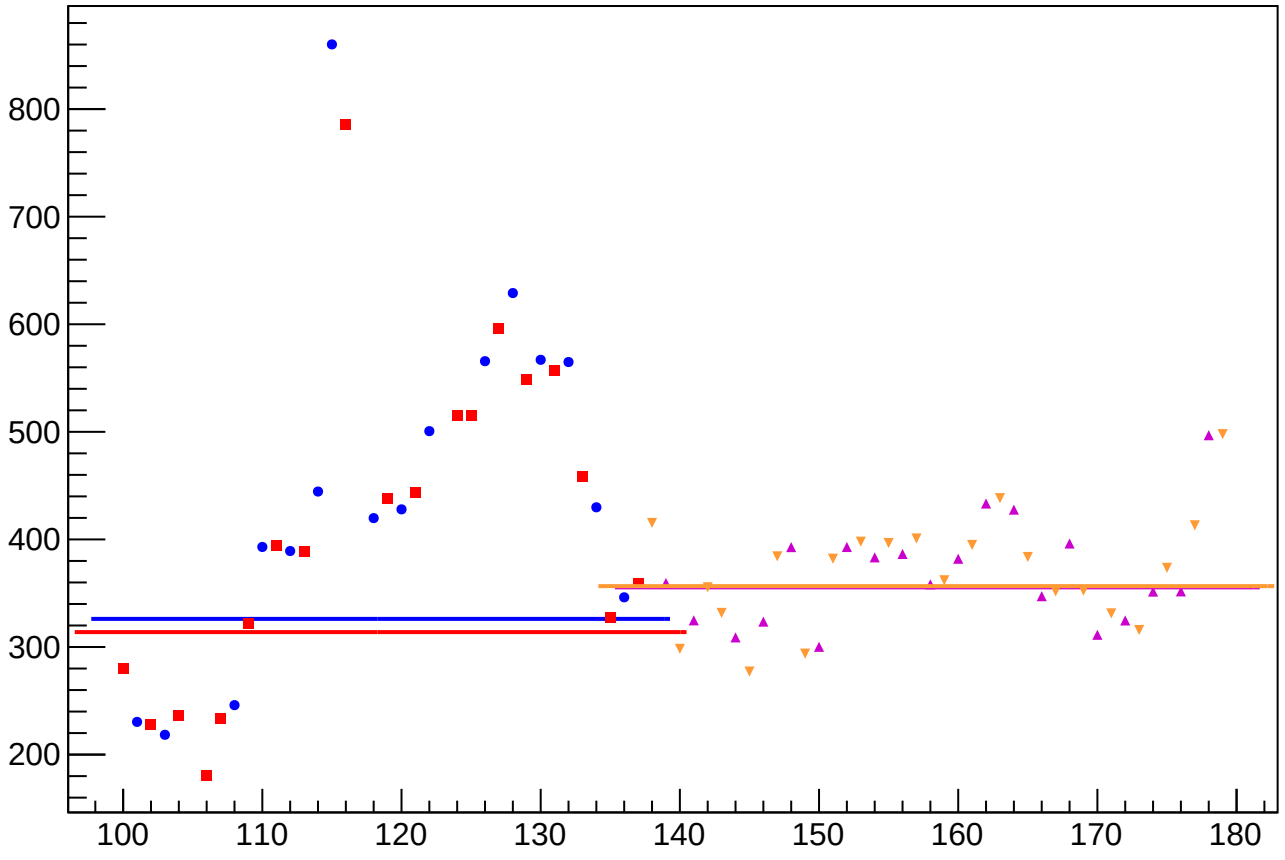
Right Out: 215.911+/-123.491 χ^2/NDF: 14.1/18

Left In: 62.484+/-88.932 χ^2/NDF:25.2/19

+ sign 228.807+/-71.961 χ^2/NDF: 46.8/37

All: 172.006+/-50.956 χ^2/NDF: 88.4/76

- sign 114.880+/-72.166 χ^2/NDF: 40.3/38



Right In: 326.150+/-0.092 χ^2/NDF: 1733934.7/15

Left Out: 356.594+/-0.061 χ^2/NDF:661277.6/21

Right Out: 313.861+/-0.087 χ^2/NDF: 1805779.4/18

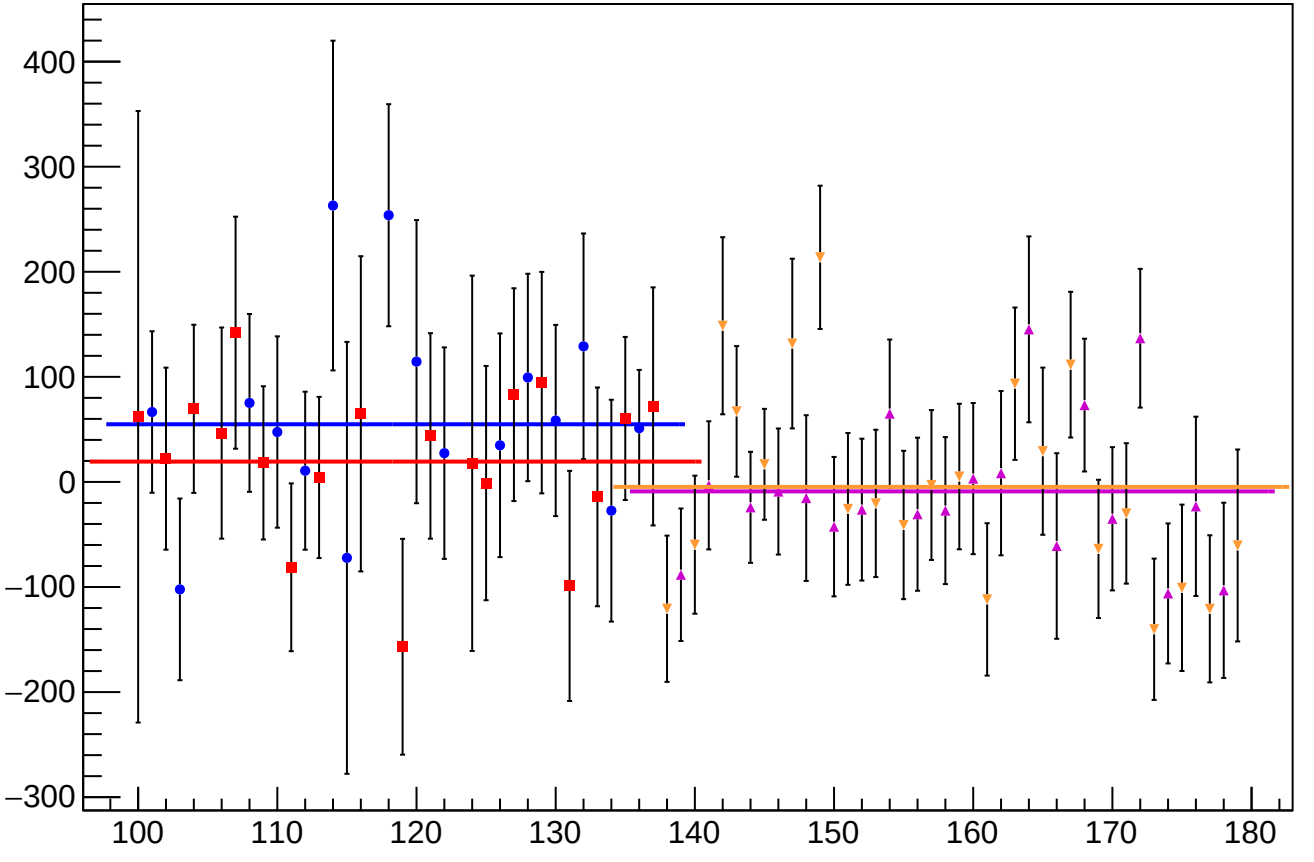
Left In: 355.456+/-0.063 χ^2/NDF:472749.7/19

+ sign 347.219+/-0.051 χ^2/NDF: 2471501.3/37

All: 344.244+/-0.036 χ^2/NDF: 4906302.6/76

- sign 341.251+/-0.051 χ^2/NDF: 2427942.1/38

eigen_cor_asym_sam_37_48_dd_mean vs Slug



Right In: 54.877+/-23.179 χ^2/NDF: 11.0/15

Left Out: -4.720+/-14.954 χ^2/NDF:38.4/21

Right Out: 19.352+/-22.588 χ^2/NDF: 9.2/18

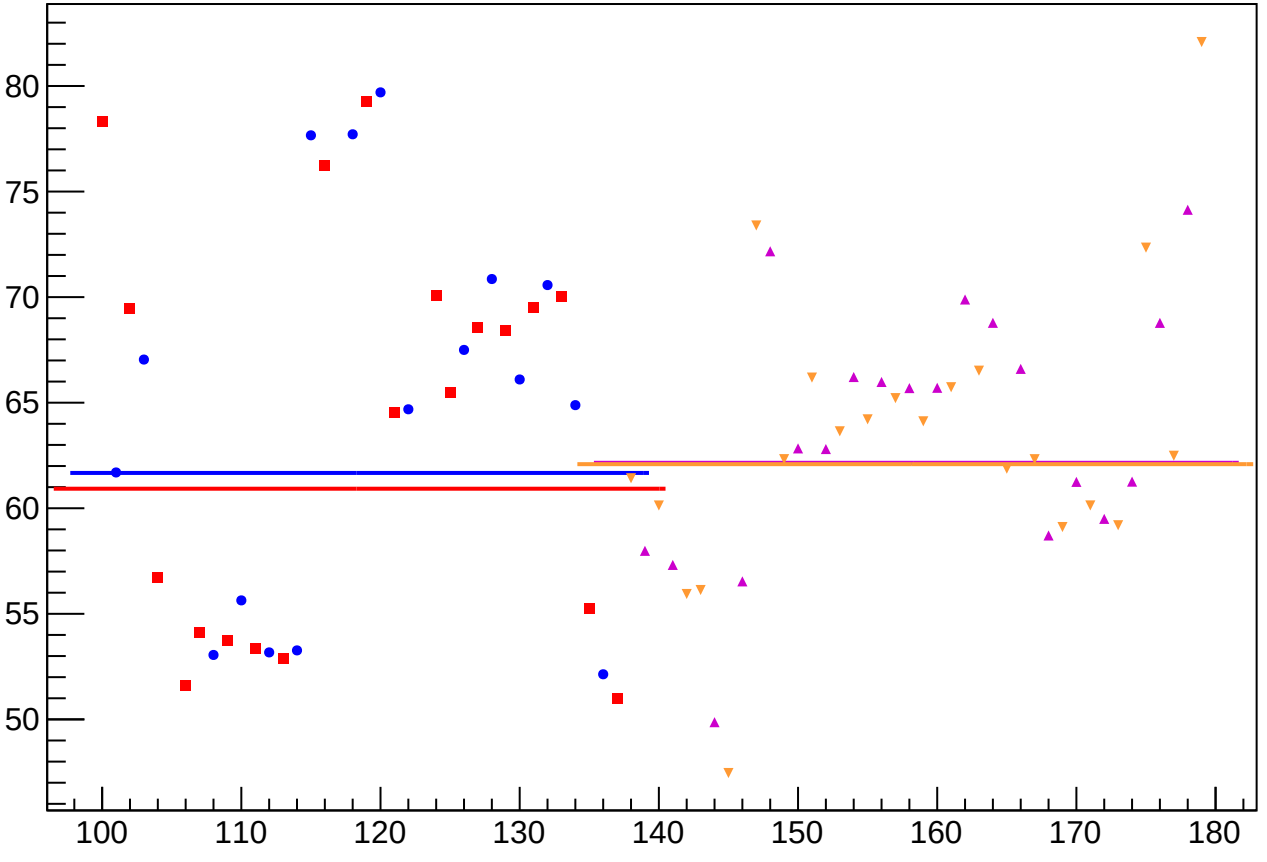
Left In: -8.994+/-15.482 χ^2/NDF:16.9/19

+ sign 12.796+/-12.566 χ^2/NDF: 54.1/37

All: 6.533+/-8.957 χ^2/NDF: 81.7/76

- sign 0.066+/-12.770 χ^2/NDF: 27.1/38

eigen_cor_asym_sam_37_48_dd_rms vs Slug



Right In: 61.673+/-0.016 χ^2/NDF: 267108.3/15

Left Out: 62.088+/-0.011 χ^2/NDF:390195.2/21

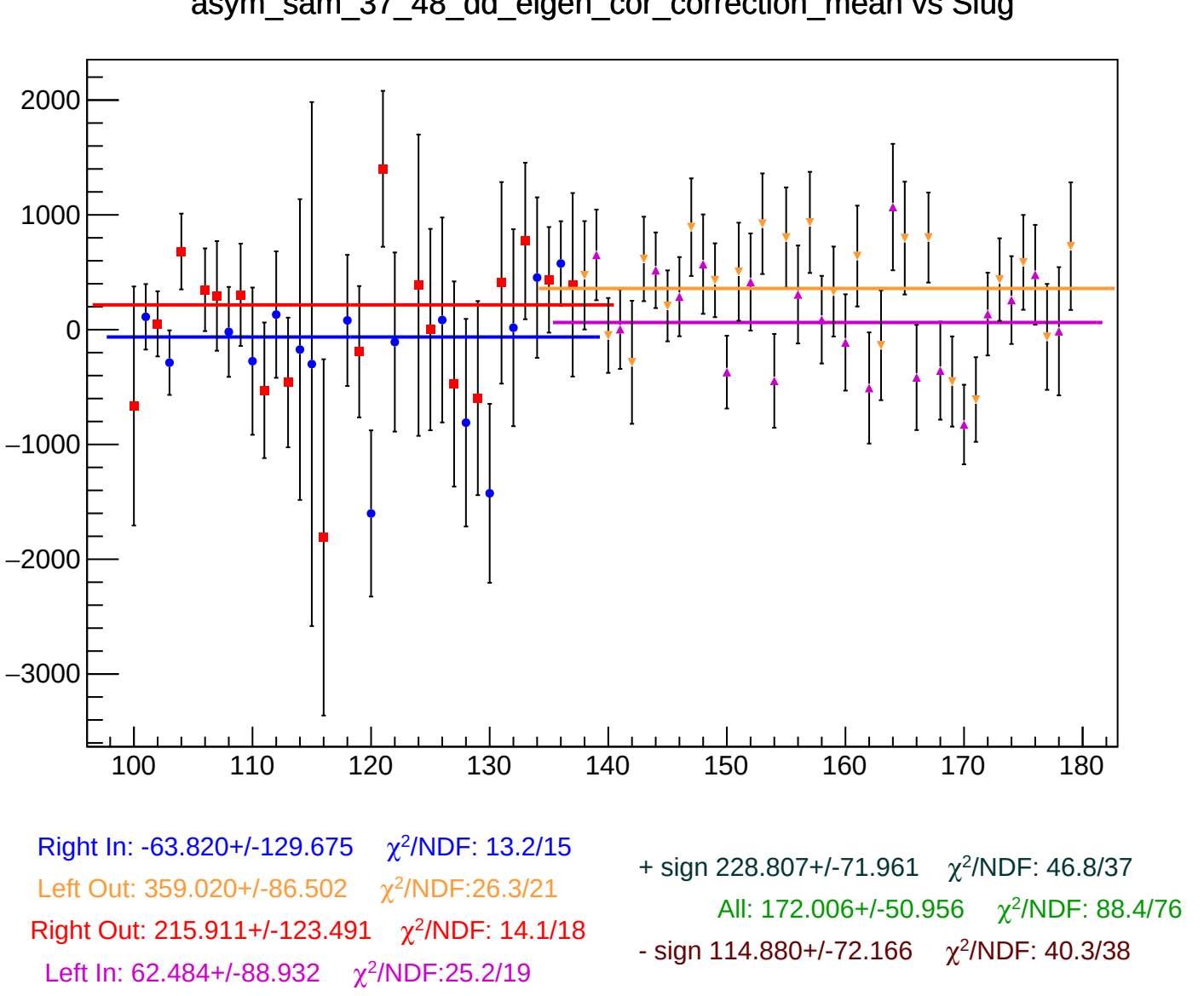
Right Out: 60.926+/-0.016 χ^2/NDF: 287579.6/18

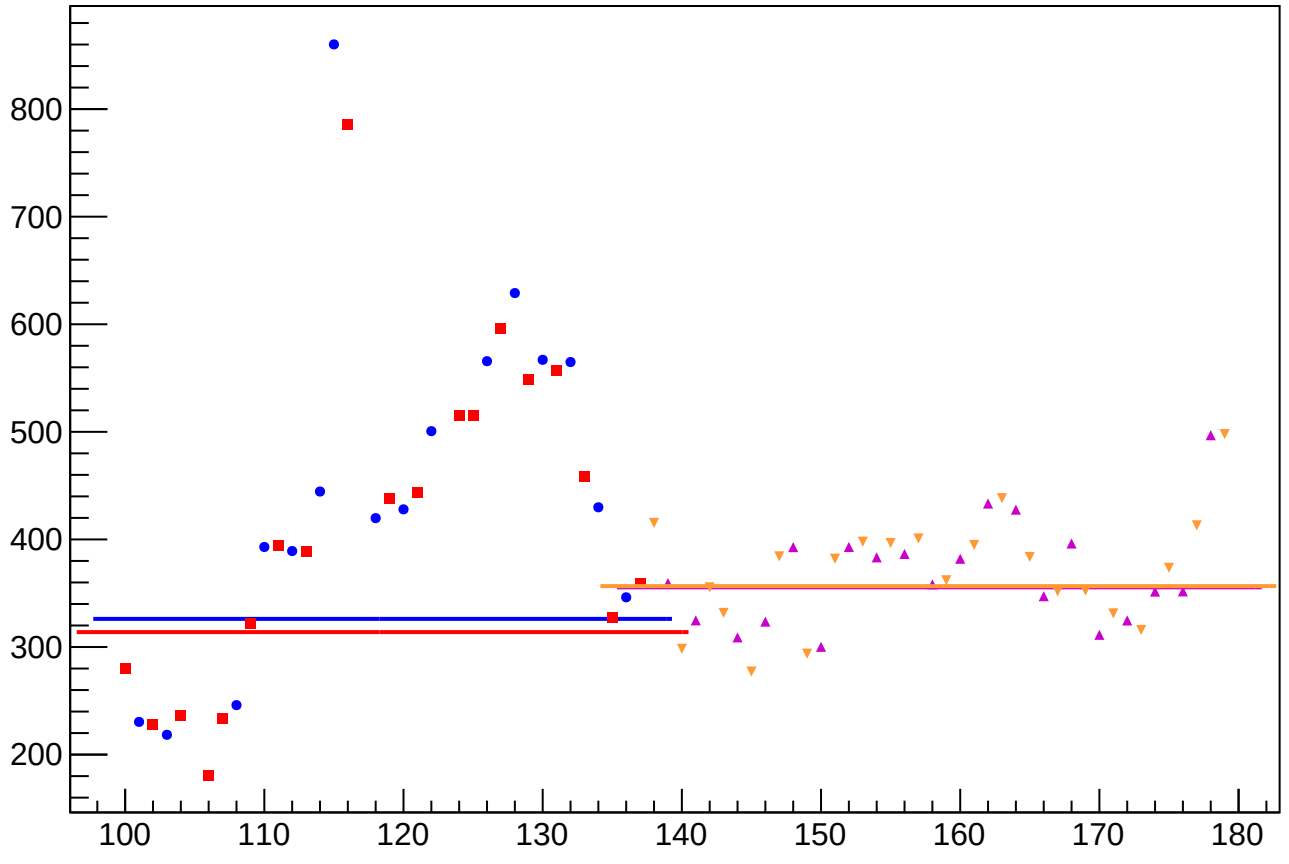
Left In: 62.153+/-0.011 χ^2/NDF:300926.0/19

+ sign 61.966+/-0.009 χ^2/NDF: 657757.1/37

All: 61.865+/-0.006 χ^2/NDF: 1250543.7/76

- sign 61.761+/-0.009 χ^2/NDF: 592523.5/38


asym_sam_37_48_dd_eigen_cor_correction_mean vs Slug
2000
1000
0
−1000
−2000
−3000
100
110
120
130
140
150
160
170
180
Right In: -63.820+/-129.675 χ²/NDF: 13.2/15
Left Out: 359.020+/-86.502 χ²/NDF:26.3/21
Right Out: 215.911+/-123.491 χ²/NDF: 14.1/18
Left In: 62.484+/-88.932 χ²/NDF:25.2/19
+ sign 228.807+/-71.961 χ²/NDF: 46.8/37
All: 172.006+/-50.956 χ²/NDF: 88.4/76
- sign 114.880+/-72.166 χ²/NDF: 40.3/38



Right In: 326.150+/-0.092 χ^2/NDF: 1733934.7/15

Left Out: 356.594+/-0.061 χ^2/NDF:661277.6/21

Right Out: 313.861+/-0.087 χ^2/NDF: 1805779.4/18

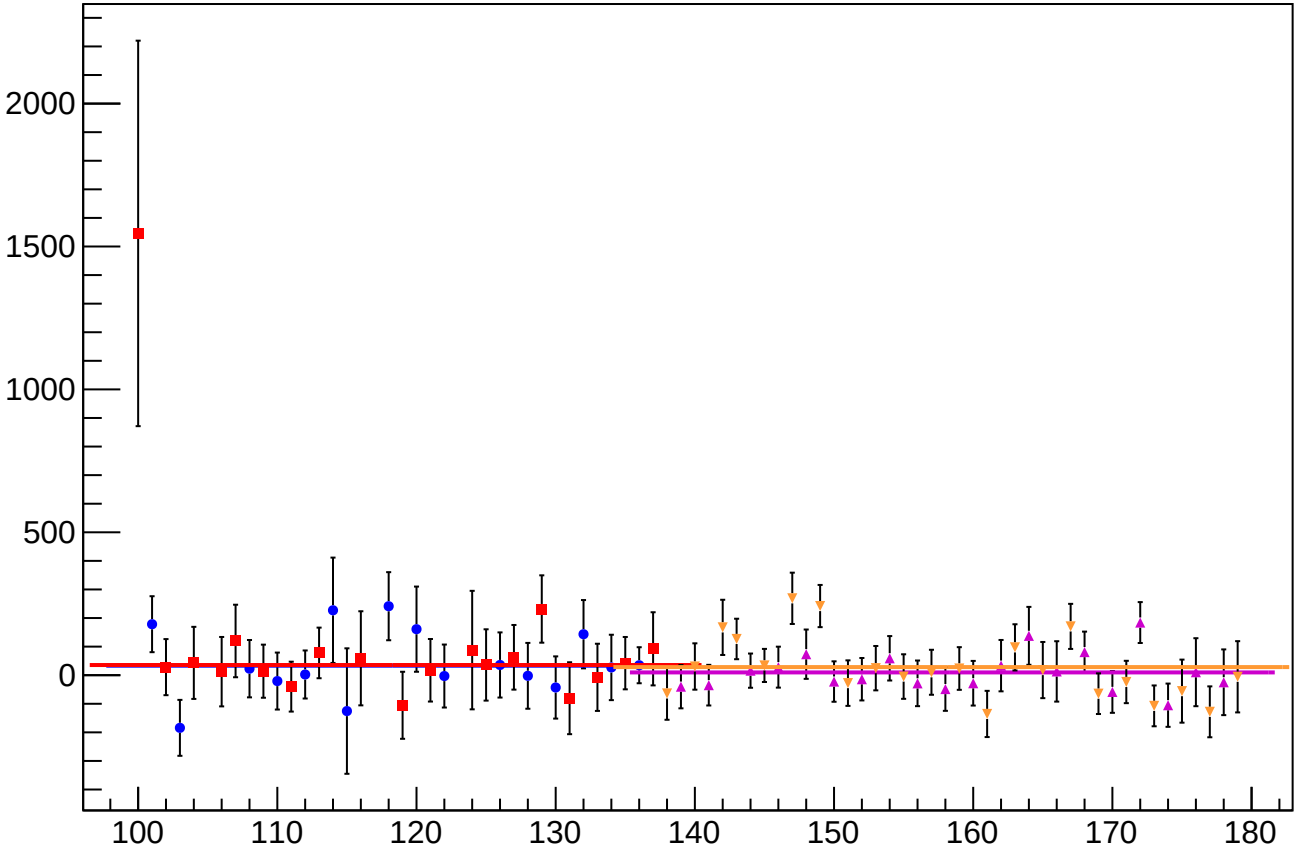
Left In: 355.456+/-0.063 χ^2/NDF:472749.7/19

+ sign 347.219+/-0.051 χ^2/NDF: 2471501.3/37

All: 344.244+/-0.036 χ^2/NDF: 4906302.6/76

- sign 341.251+/-0.051 χ^2/NDF: 2427942.1/38

dit_asym_sam_37_48_dd_mean vs Slug



Right In: 33.399+/-26.415 χ^2/NDF: 14.5/15

Left Out: 28.362+/-17.075 χ^2/NDF:39.0/21

Right Out: 35.576+/-26.536 χ^2/NDF: 12.1/18

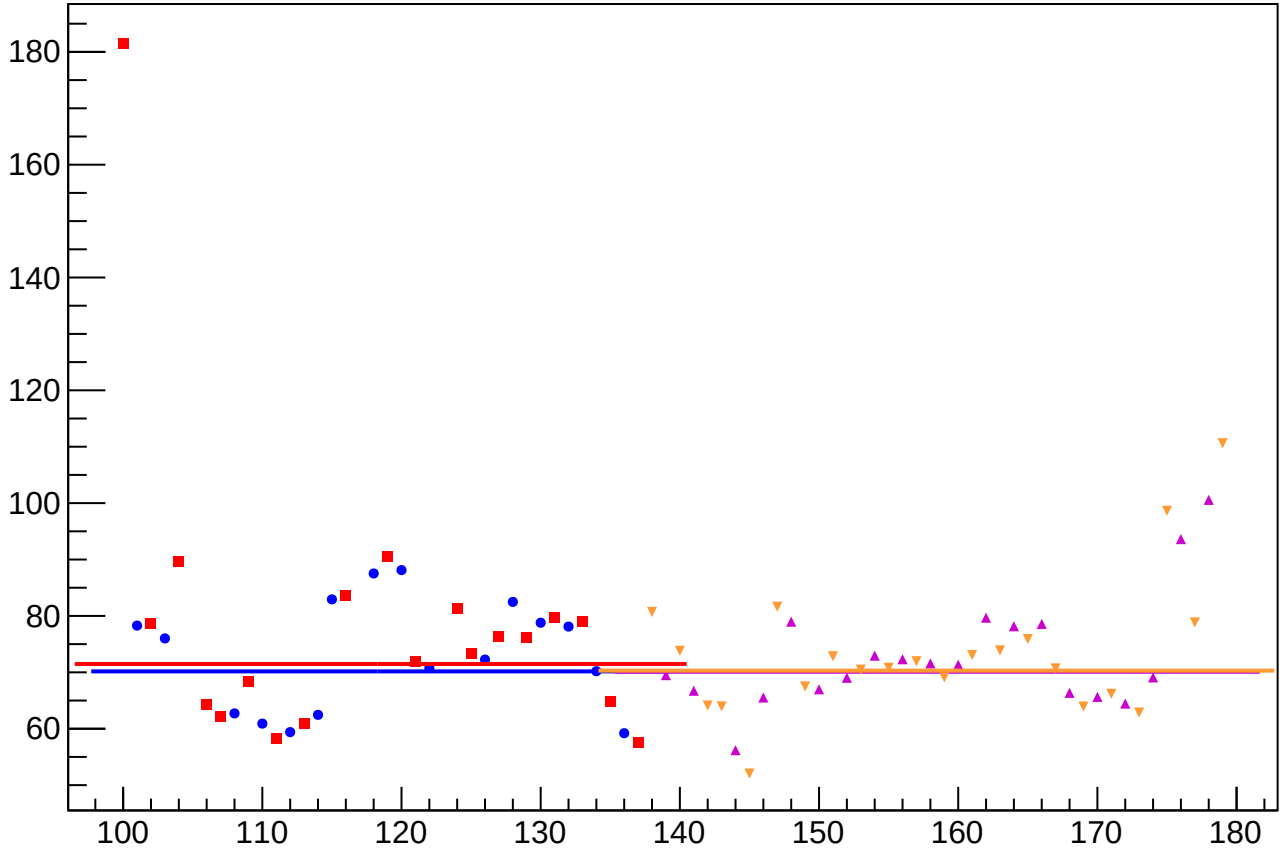
Left In: 9.718+/-17.601 χ^2/NDF:15.1/19

+ sign 29.846+/-14.340 χ^2/NDF: 53.5/37

All: 23.870+/-10.254 χ^2/NDF: 81.7/76

- sign 17.618+/-14.668 χ^2/NDF: 27.8/38

dit_asym_sam_37_48_dd_rms vs Slug



Right In: 70.167+/-0.019 χ^2/NDF: 269249.9/15

Left Out: 70.303+/-0.012 χ^2/NDF:706786.5/21

Right Out: 71.483+/-0.019 χ^2/NDF: 325715.0/18

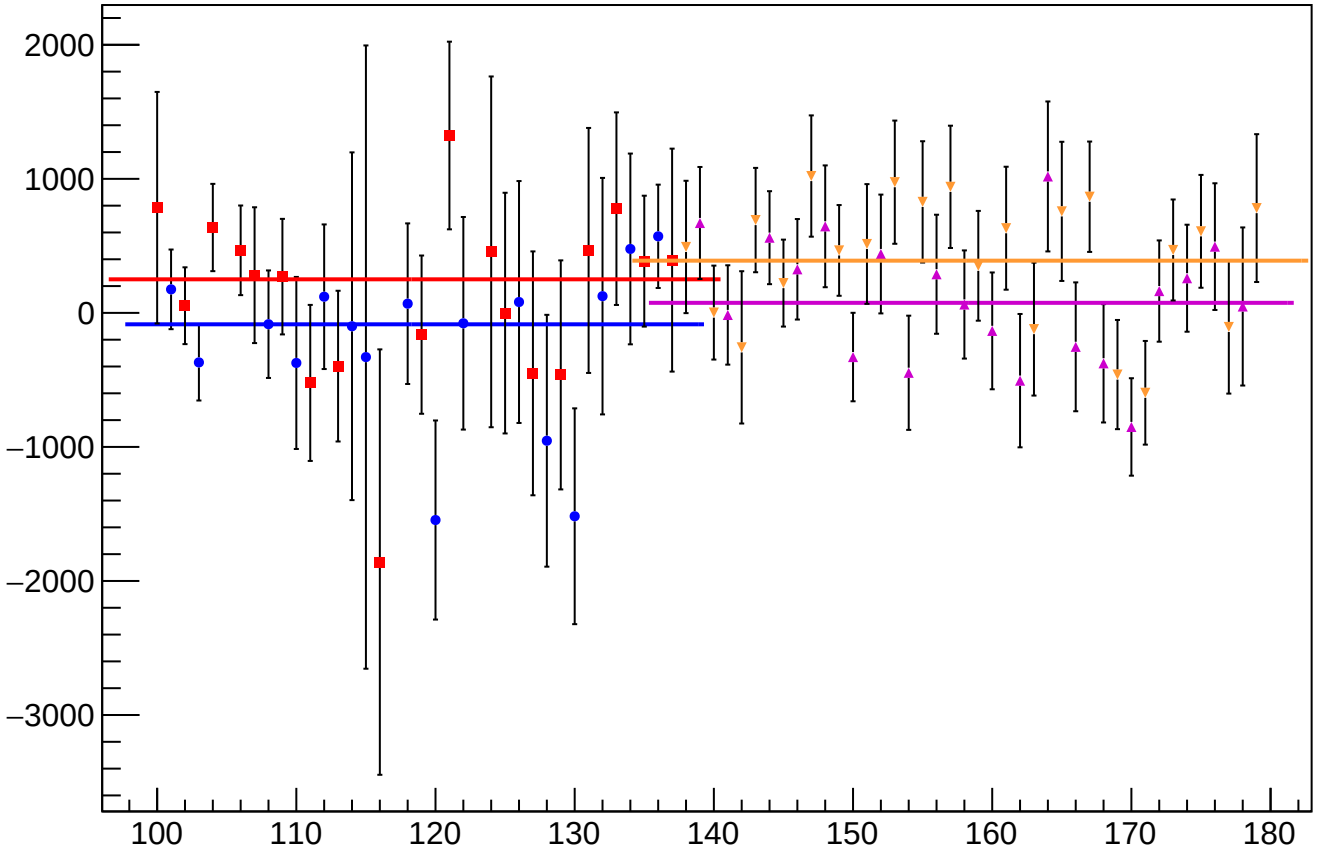
Left In: 70.101+/-0.012 χ^2/NDF:444245.9/19

+ sign 70.263+/-0.010 χ^2/NDF: 976073.5/37

All: 70.390+/-0.007 χ^2/NDF: 1750124.5/76

- sign 70.523+/-0.010 χ^2/NDF: 773728.9/38

asym_sam_37_48_dd_dit_correction_mean vs Slug



Right In: -85.184+/-132.877 χ^2/NDF: 13.7/15

Left Out: 389.629+/-90.673 χ^2/NDF:25.4/21

Right Out: 250.440+/-123.302 χ^2/NDF: 12.5/18

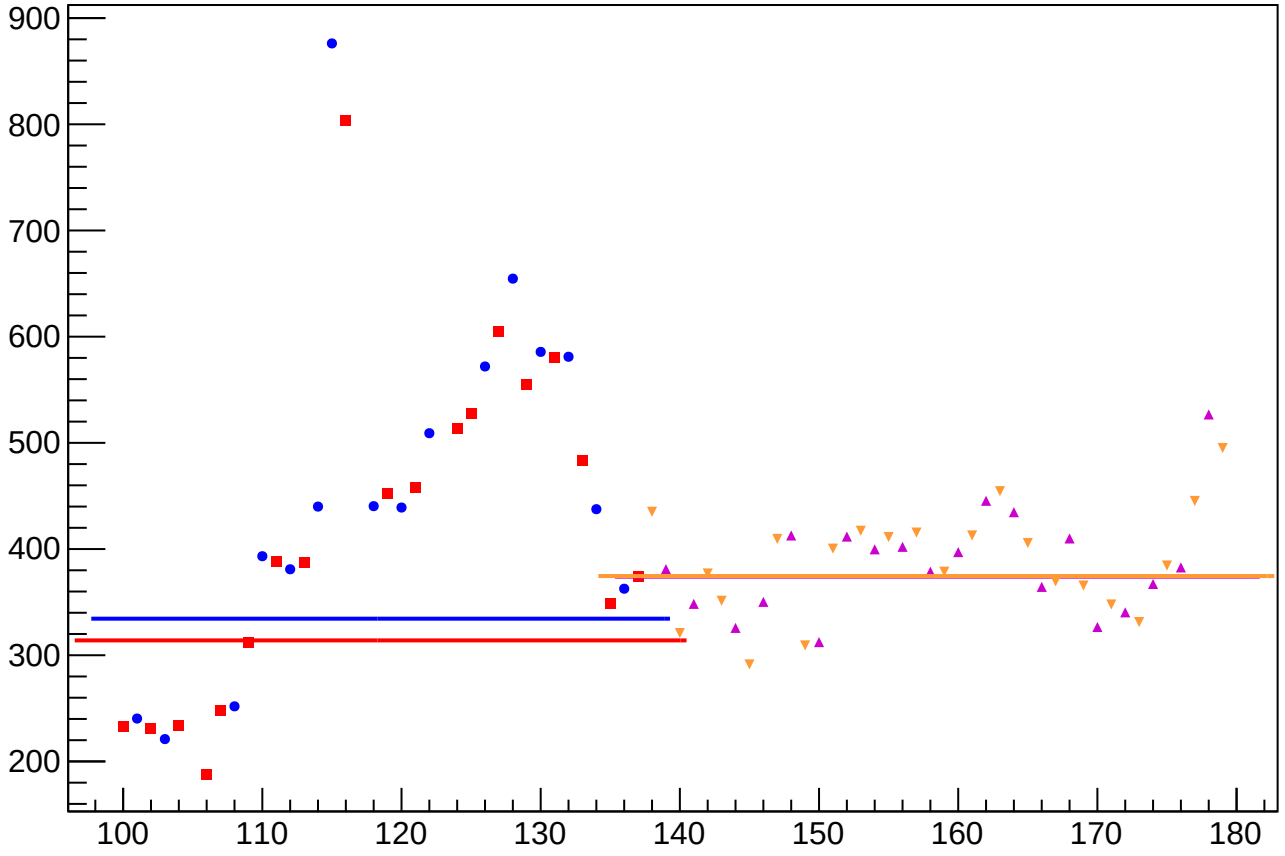
Left In: 75.002+/-93.482 χ^2/NDF:23.5/19

+ sign 238.777+/-74.897 χ^2/NDF: 47.8/37

All: 188.637+/-52.817 χ^2/NDF: 85.9/76

- sign 139.037+/-74.493 χ^2/NDF: 37.2/38

asym_sam_37_48_dd_dit_correction_rms vs Slug



Right In: 334.431+/-0.094 χ^2/NDF: 1730610.2/15

Left Out: 374.568+/-0.064 χ^2/NDF:603208.4/21

Right Out: 313.971+/-0.087 χ^2/NDF: 1904605.9/18

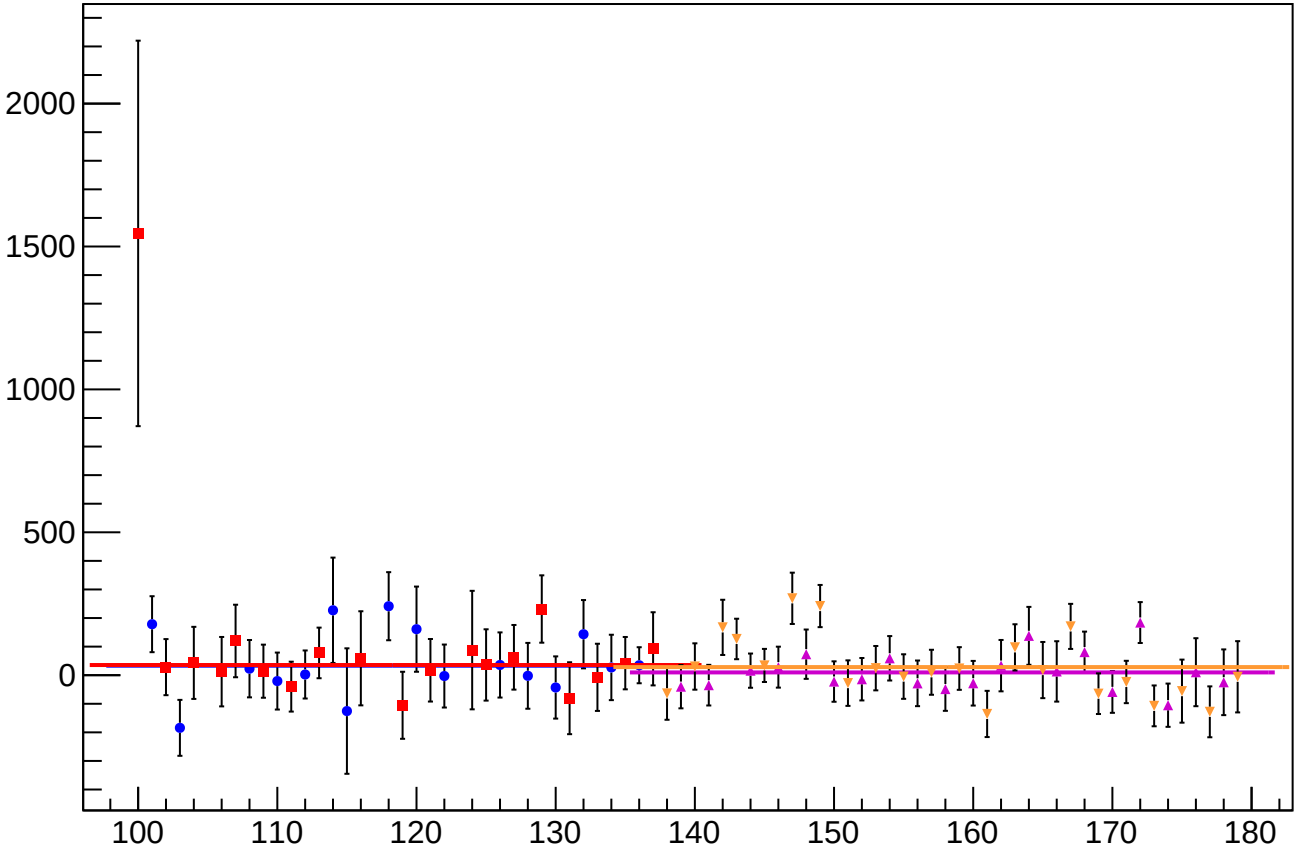
Left In: 374.008+/-0.066 χ^2/NDF:441013.9/19

+ sign 361.816+/-0.053 χ^2/NDF: 2458325.7/37

All: 356.929+/-0.037 χ^2/NDF: 5121979.0/76

- sign 352.095+/-0.053 χ^2/NDF: 2646714.2/38

eigen_dit_asym_sam_37_48_dd_mean vs Slug



Right In: 33.397+/-26.415 χ^2/NDF: 14.5/15

Left Out: 28.361+/-17.075 χ^2/NDF:39.0/21

Right Out: 35.577+/-26.536 χ^2/NDF: 12.1/18

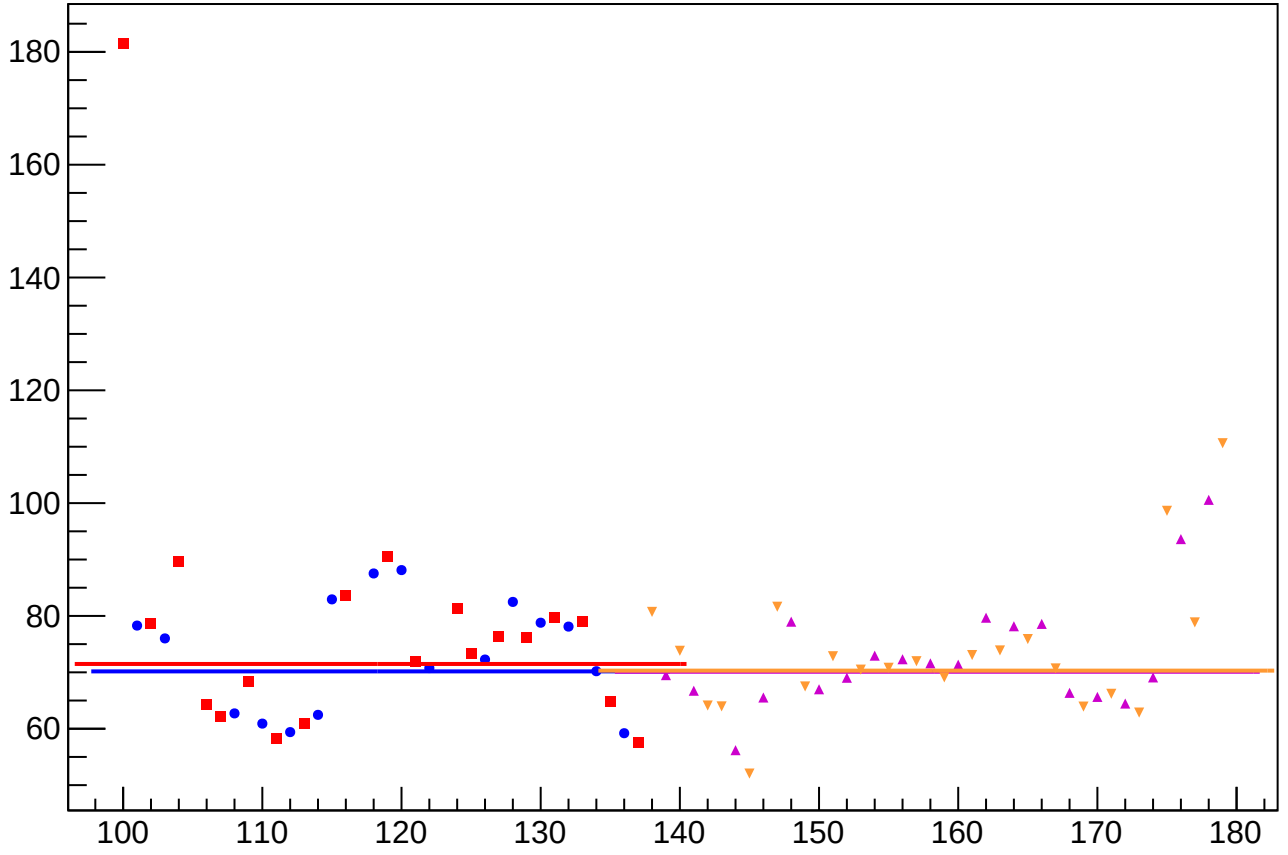
Left In: 9.717+/-17.601 χ^2/NDF:15.1/19

+ sign 29.845+/-14.340 χ^2/NDF: 53.5/37

All: 23.870+/-10.254 χ^2/NDF: 81.7/76

- sign 17.618+/-14.668 χ^2/NDF: 27.8/38

eigen_dit_asym_sam_37_48_dd_rms vs Slug



Right In: 70.167+/-0.019 χ^2/NDF: 269253.0/15

Left Out: 70.303+/-0.012 χ^2/NDF:706793.5/21

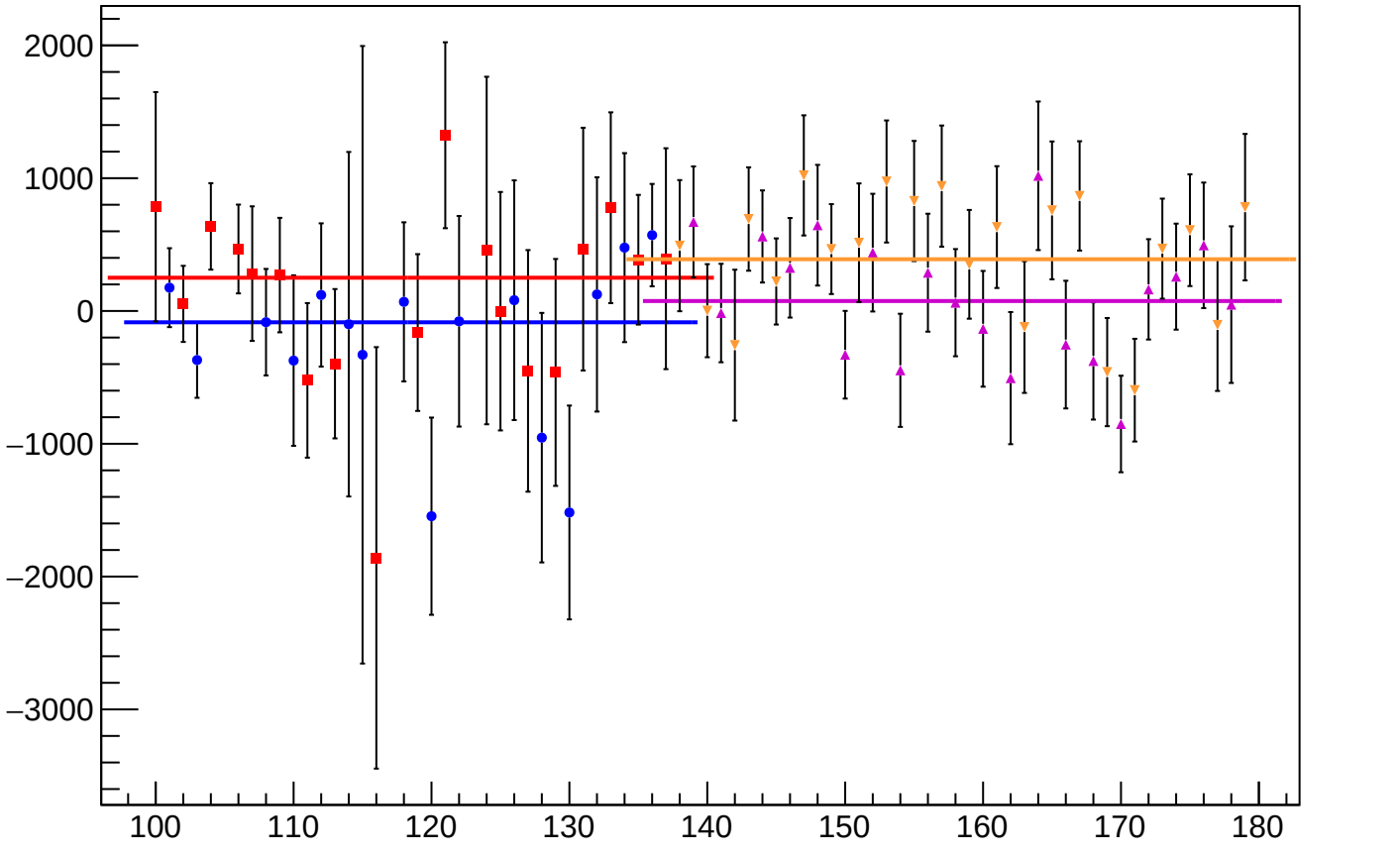
Right Out: 71.483+/-0.019 χ^2/NDF: 325721.5/18

Left In: 70.101+/-0.012 χ^2/NDF:444241.7/19

+ sign 70.263+/-0.010 χ^2/NDF: 976083.5/37

All: 70.390+/-0.007 χ^2/NDF: 1750137.4/76

- sign 70.523+/-0.010 χ^2/NDF: 773731.8/38



Right In: -85.185+/-132.877 χ^2/NDF: 13.7/15

Left Out: 389.628+/-90.673 χ^2/NDF:25.4/21

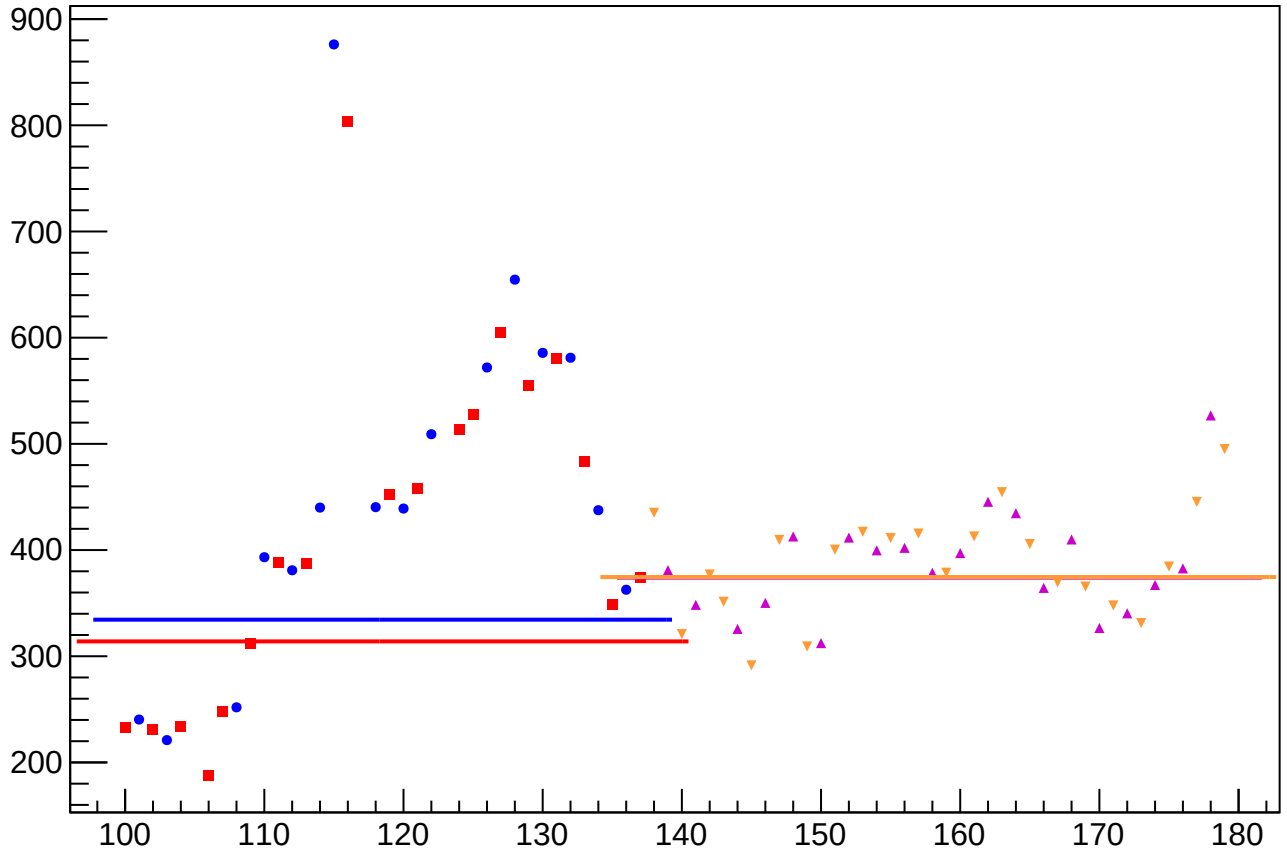
Right Out: 250.440+/-123.302 χ^2/NDF: 12.5/18

Left In: 75.001+/-93.482 χ^2/NDF:23.5/19

+ sign 238.776+/-74.897 χ^2/NDF: 47.8/37

All: 188.637+/-52.817 χ^2/NDF: 85.9/76

- sign 139.036+/-74.493 χ^2/NDF: 37.2/38



Right In: 334.431+/-0.094 χ^2/NDF: 1730609.3/15

Left Out: 374.568+/-0.064 χ^2/NDF:603208.5/21

Right Out: 313.971+/-0.087 χ^2/NDF: 1904604.3/18

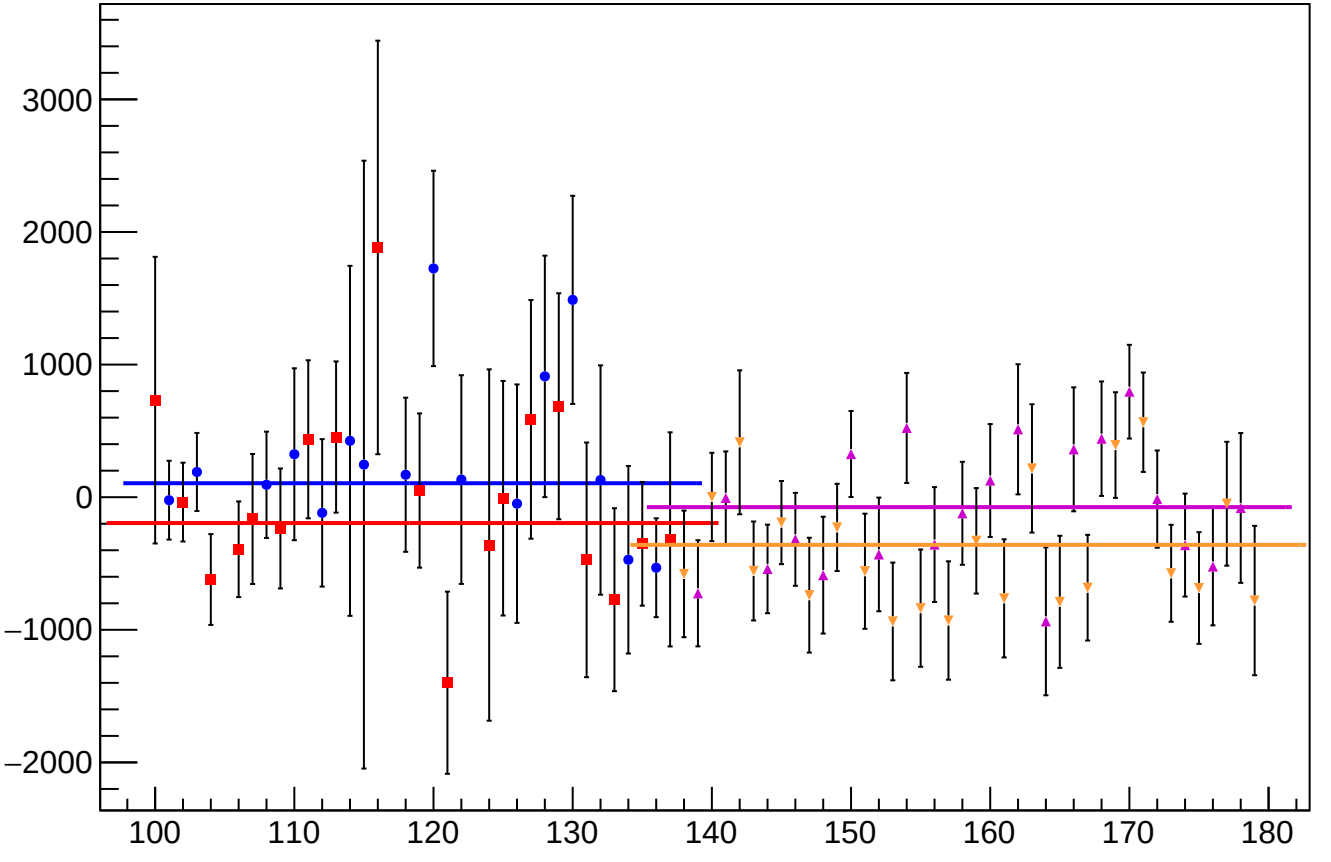
Left In: 374.008+/-0.066 χ^2/NDF:441011.6/19

+ sign 361.816+/-0.053 χ^2/NDF: 2458321.5/37

All: 356.929+/-0.037 χ^2/NDF: 5121968.6/76

- sign 352.094+/-0.053 χ^2/NDF: 2646708.1/38

asym_sam_37_48_dd_mean vs Slug



Right In: 105.390+/-133.046 χ^2/NDF: 13.0/15

Left Out: -359.610+/-87.872 χ^2/NDF:24.9/21

Right Out: -194.712+/-126.198 χ^2/NDF: 13.1/18

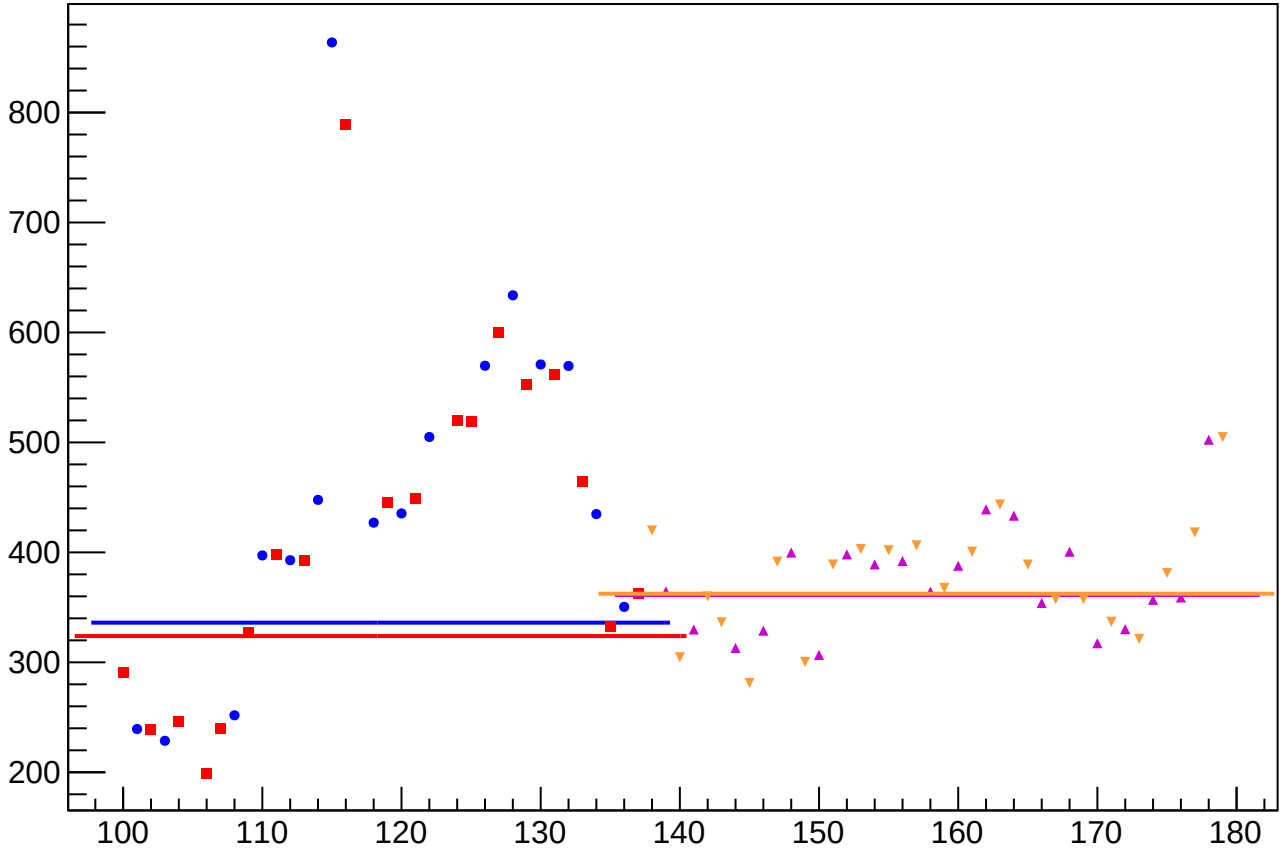
Left In: -74.861+/-90.346 χ^2/NDF:25.2/19

\+ sign -218.378+/-73.323 χ^2/NDF: 46.3/37

All: -167.023+/-51.896 χ^2/NDF: 86.2/76

\- sign -115.473+/-73.461 χ^2/NDF: 38.9/38

asym_sam_37_48_dd_rms vs Slug



Right In: 336.092+/-0.094 χ^2/NDF: 1618997.2/15

Left Out: 362.410+/-0.062 χ^2/NDF:645162.3/21

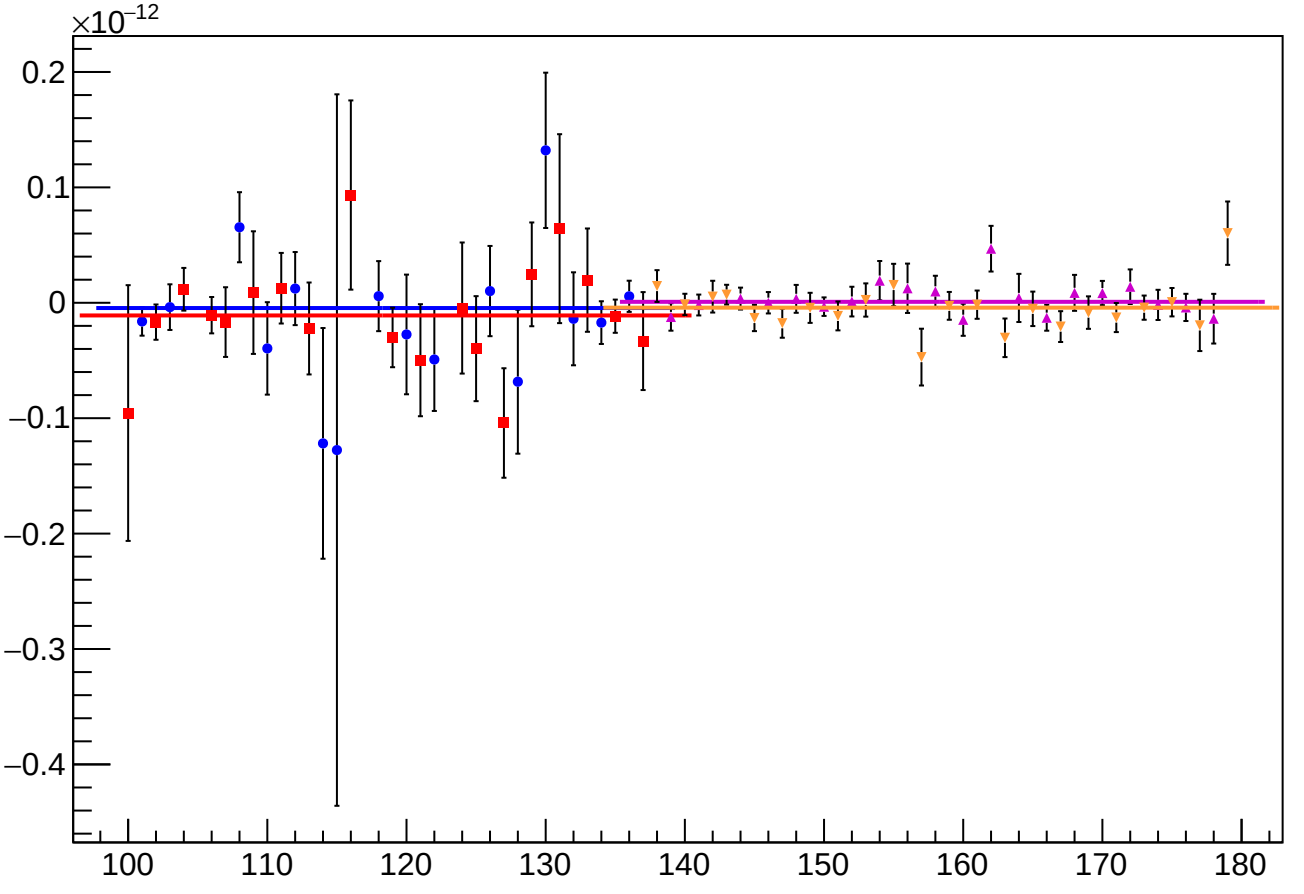
Right Out: 323.885+/-0.089 χ^2/NDF: 1665420.8/18

Left In: 361.232+/-0.064 χ^2/NDF:460043.3/19

+ sign 354.417+/-0.052 χ^2/NDF: 2318649.3/37

All: 351.502+/-0.037 χ^2/NDF: 4566249.7/76

- sign 348.577+/-0.052 χ^2/NDF: 2241269.8/38



Right In: -0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.3/21

Right Out: -0.000+/-0.000 χ^2/NDF: 12.4/18

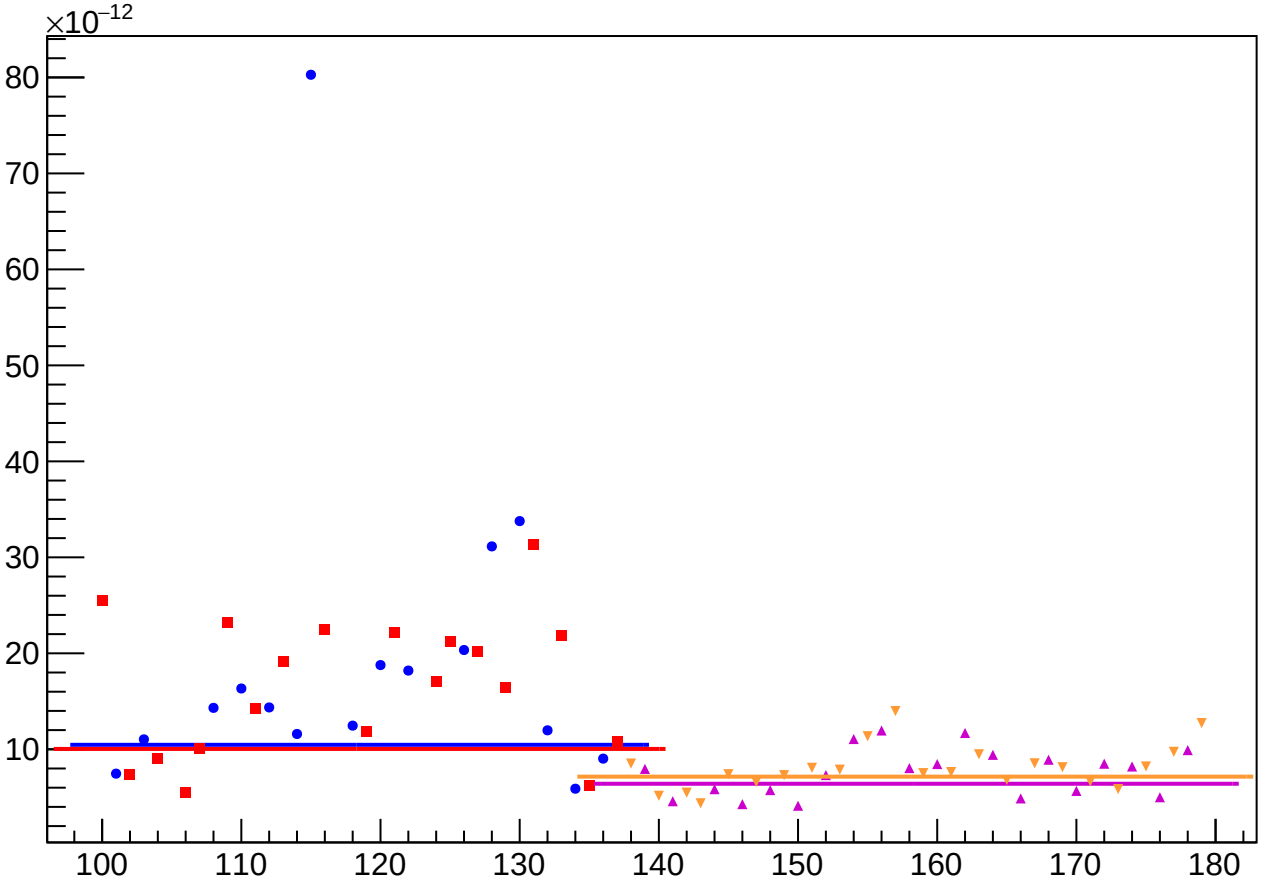
Left In: 0.000+/-0.000 χ^2/NDF:14.0/19

+ sign -0.000+/-0.000 χ^2/NDF: 37.8/37

All: -0.000+/-0.000 χ^2/NDF: 67.9/76

- sign -0.000+/-0.000 χ^2/NDF: 29.2/38

asym_sam_37_48_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1183833.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:866111.3/21

Right Out: 0.000+/-0.000 χ^2/NDF: 1415778.7/18

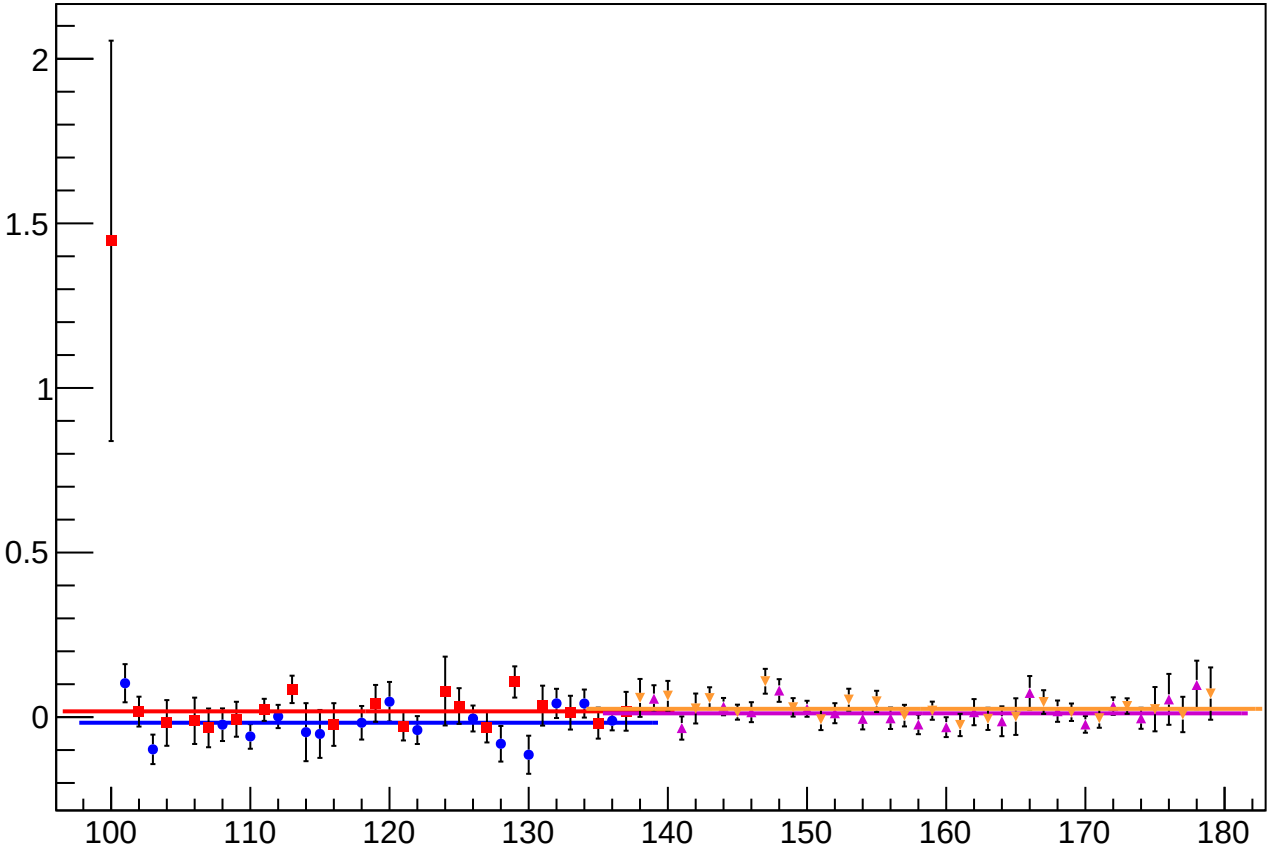
Left In: 0.000+/-0.000 χ^2/NDF:1203971.5/19

+ sign 0.000+/-0.000 χ^2/NDF: 2496037.2/37

All: 0.000+/-0.000 χ^2/NDF: 5732034.4/76

- sign 0.000+/-0.000 χ^2/NDF: 3160437.5/38

asym_sam_37_48_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.025+/-0.007 χ^2/NDF:15.0/21

Right Out: 0.018+/-0.012 χ^2/NDF: 16.8/18

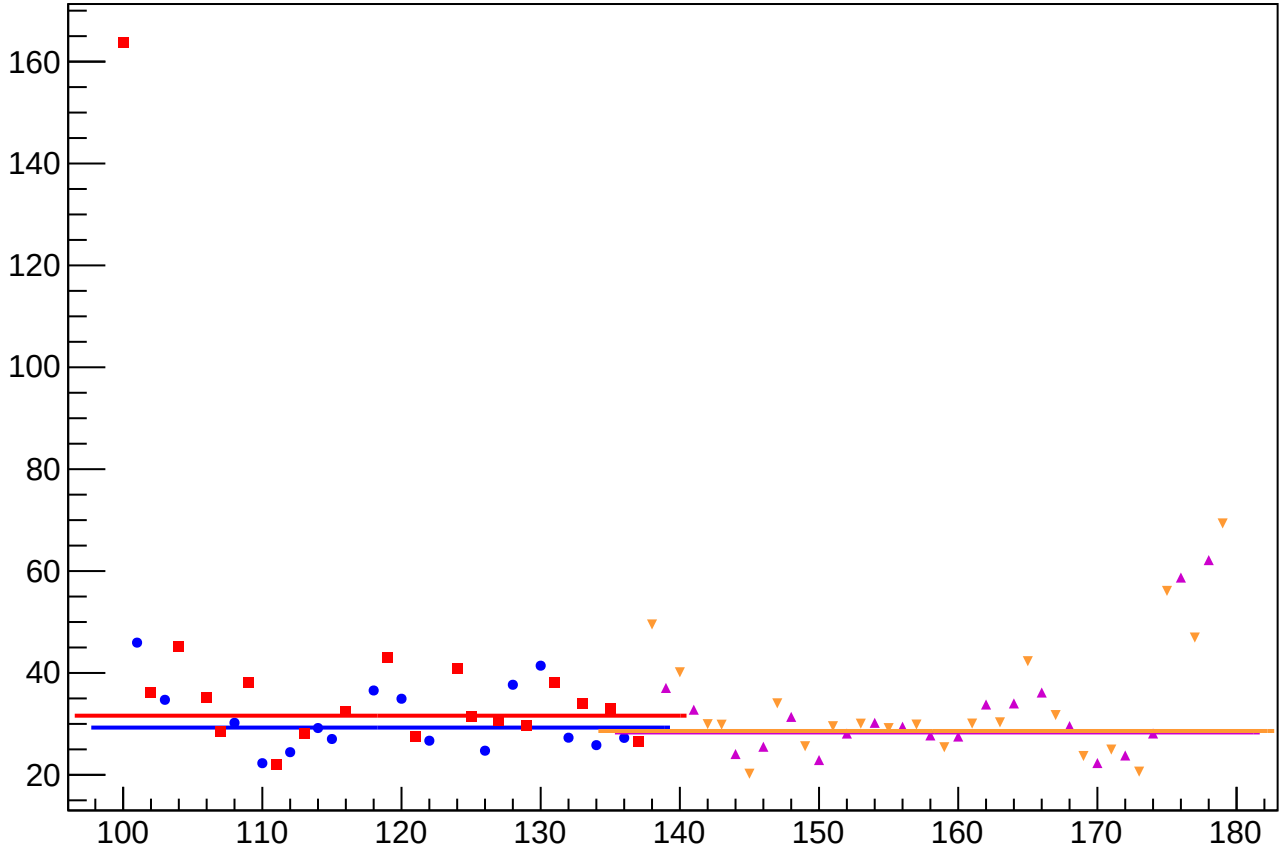
Left In: 0.011+/-0.007 χ^2/NDF:17.6/19

+ sign 0.013+/-0.006 χ^2/NDF: 43.7/37

All: 0.013+/-0.004 χ^2/NDF: 78.3/76

- sign 0.013+/-0.006 χ^2/NDF: 34.6/38

asym_sam_37_48_dd_dit_vs_cor_diff_rms vs Slug



Right In: 29.278+/-0.008 χ^2/NDF: 560654.9/15

Left Out: 28.610+/-0.005 χ^2/NDF:2337328.8/21

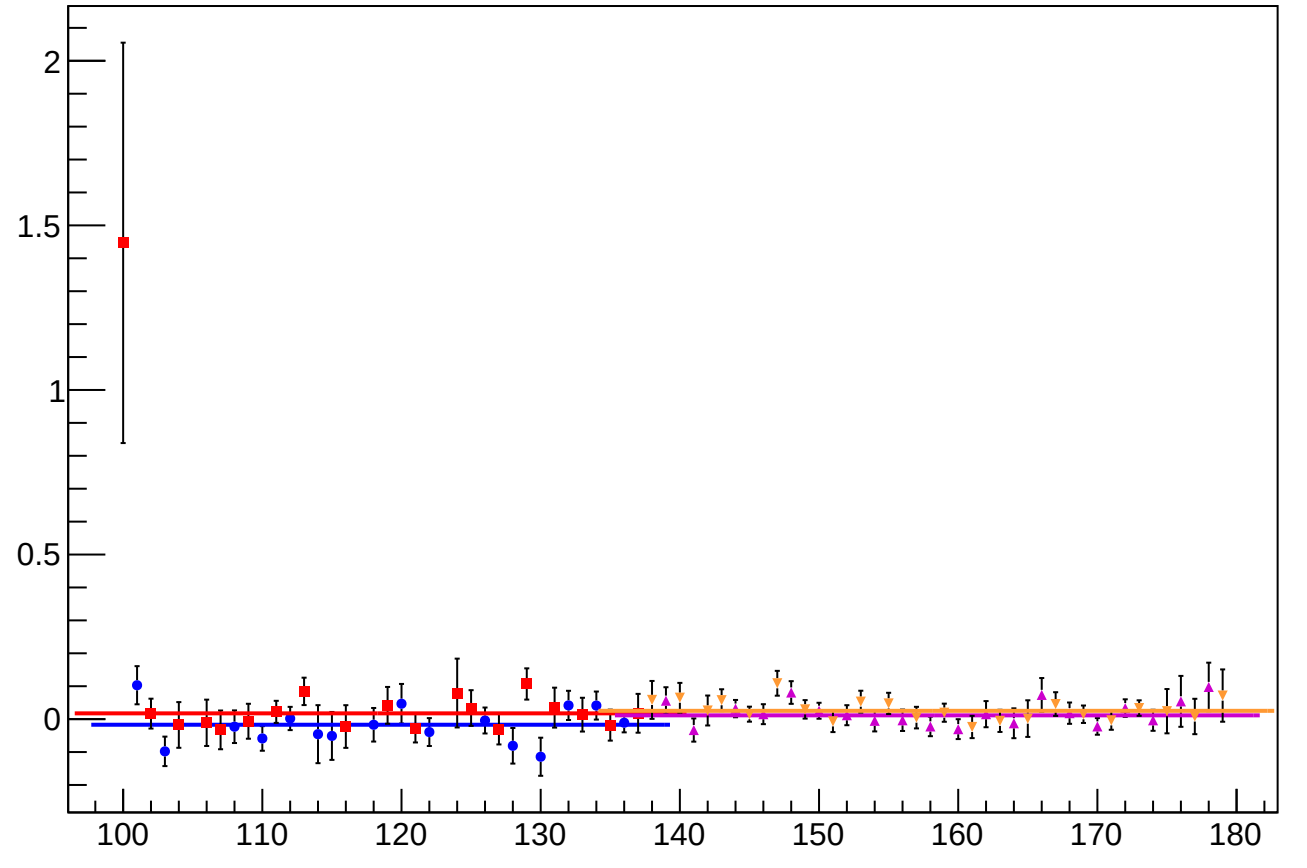
Right Out: 31.613+/-0.009 χ^2/NDF: 572190.6/18

Left In: 28.320+/-0.005 χ^2/NDF:1339642.1/19

+ sign 28.803+/-0.004 χ^2/NDF: 2902925.0/37

All: 29.000+/-0.003 χ^2/NDF: 4927229.7/76

- sign 29.209+/-0.004 χ^2/NDF: 2019992.1/38



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.025+/-0.007 χ^2/NDF:15.0/21

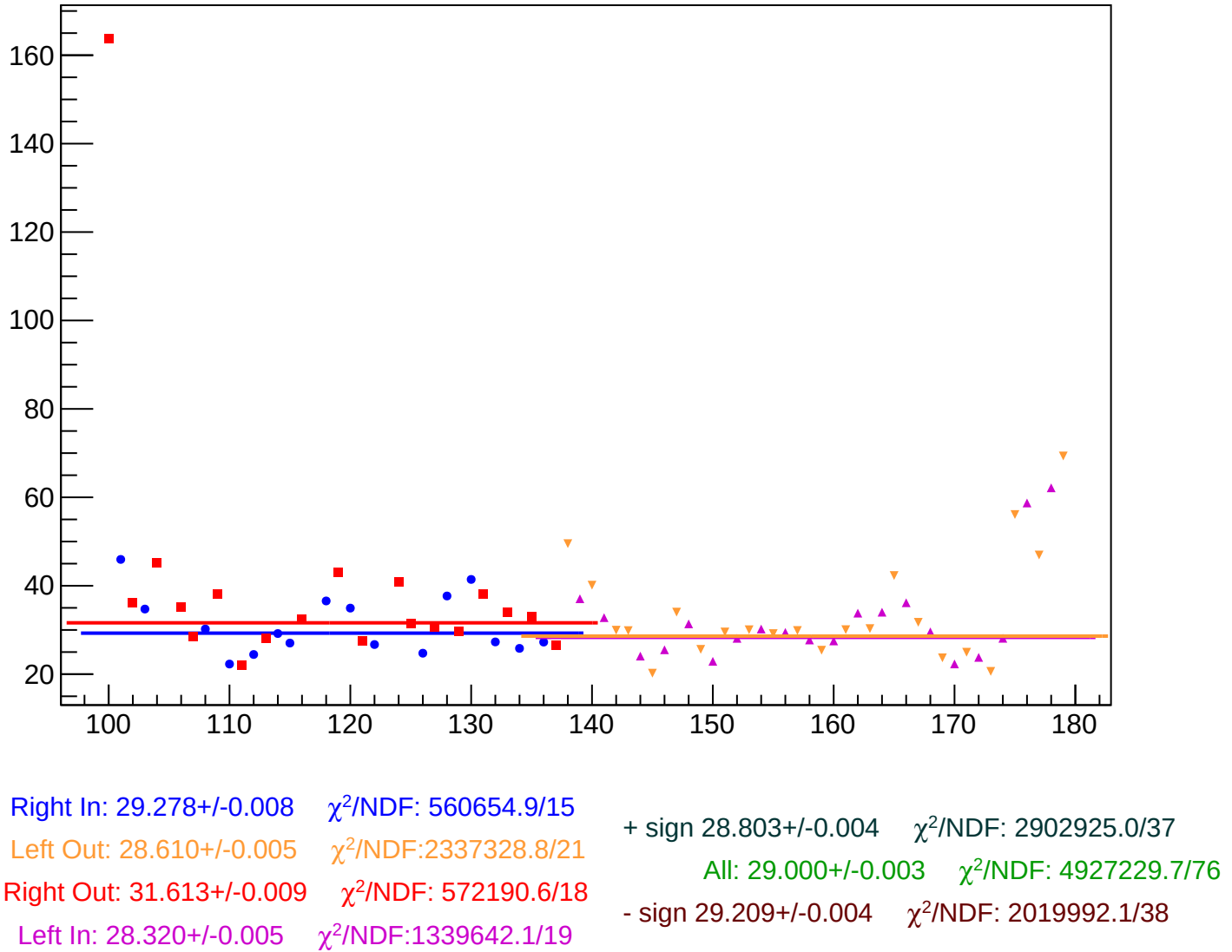
Right Out: 0.018+/-0.012 χ^2/NDF: 16.8/18

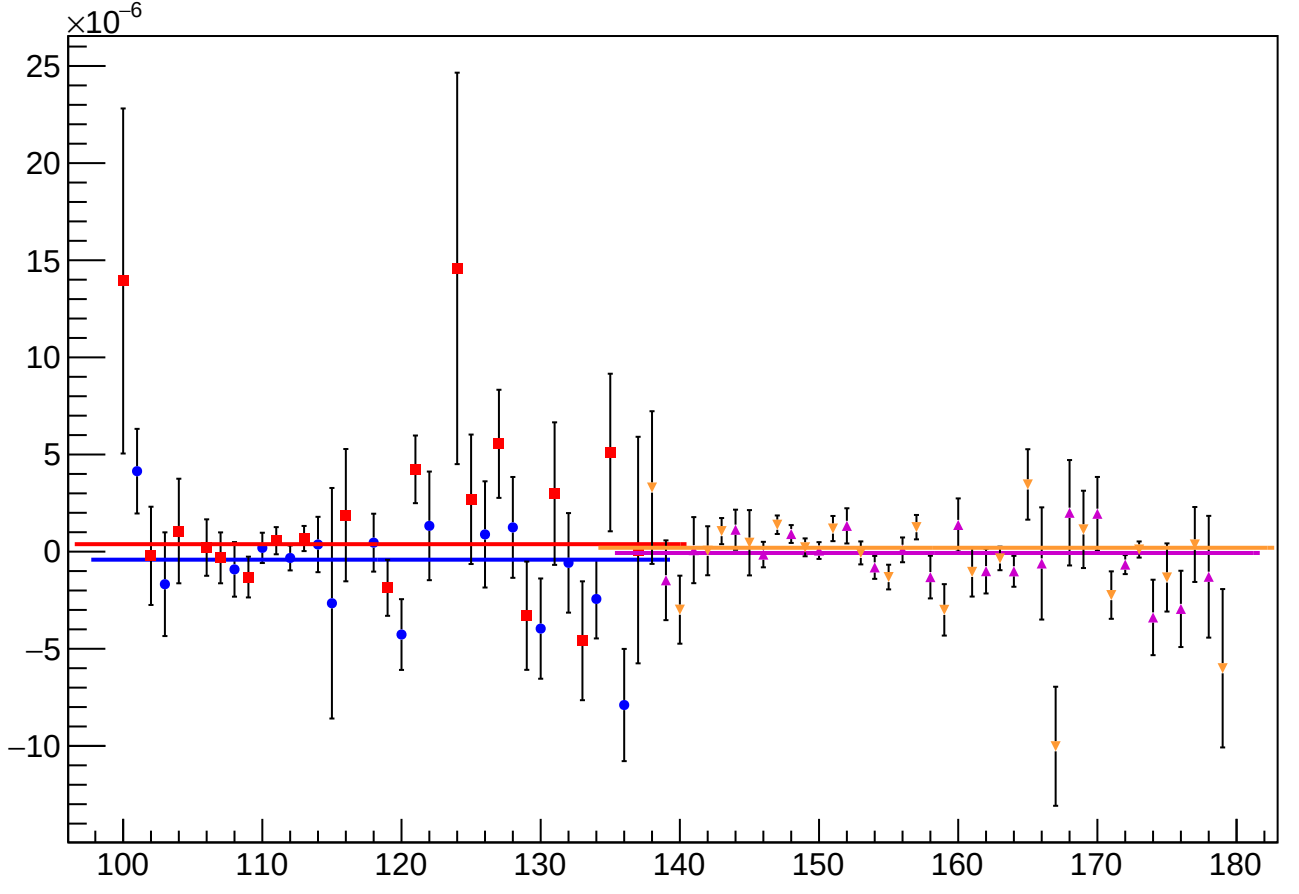
Left In: 0.011+/-0.007 χ^2/NDF:17.6/19

\+ sign 0.013+/-0.006 χ^2/NDF: 43.7/37

All: 0.013+/-0.004 χ^2/NDF: 78.3/76

\- sign 0.013+/-0.006 χ^2/NDF: 34.6/38


asym_sam_37_48_dd_dit_vs_eigen_cor_diff_rms vs Slug
160
140
120
100
80
60
40
20
100
110
120
130
140
150
160
170
180
Right In: 29.278+/-0.008 χ²/NDF: 560654.9/15
Left Out: 28.610+/-0.005 χ²/NDF:2337328.8/21
Right Out: 31.613+/-0.009 χ²/NDF: 572190.6/18
Left In: 28.320+/-0.005 χ²/NDF:1339642.1/19
+ sign 28.803+/-0.004 χ²/NDF: 2902925.0/37
All: 29.000+/-0.003 χ²/NDF: 4927229.7/76
- sign 29.209+/-0.004 χ²/NDF: 2019992.1/38



Right In: -0.000+/-0.000 χ^2/NDF: 21.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:52.1/21

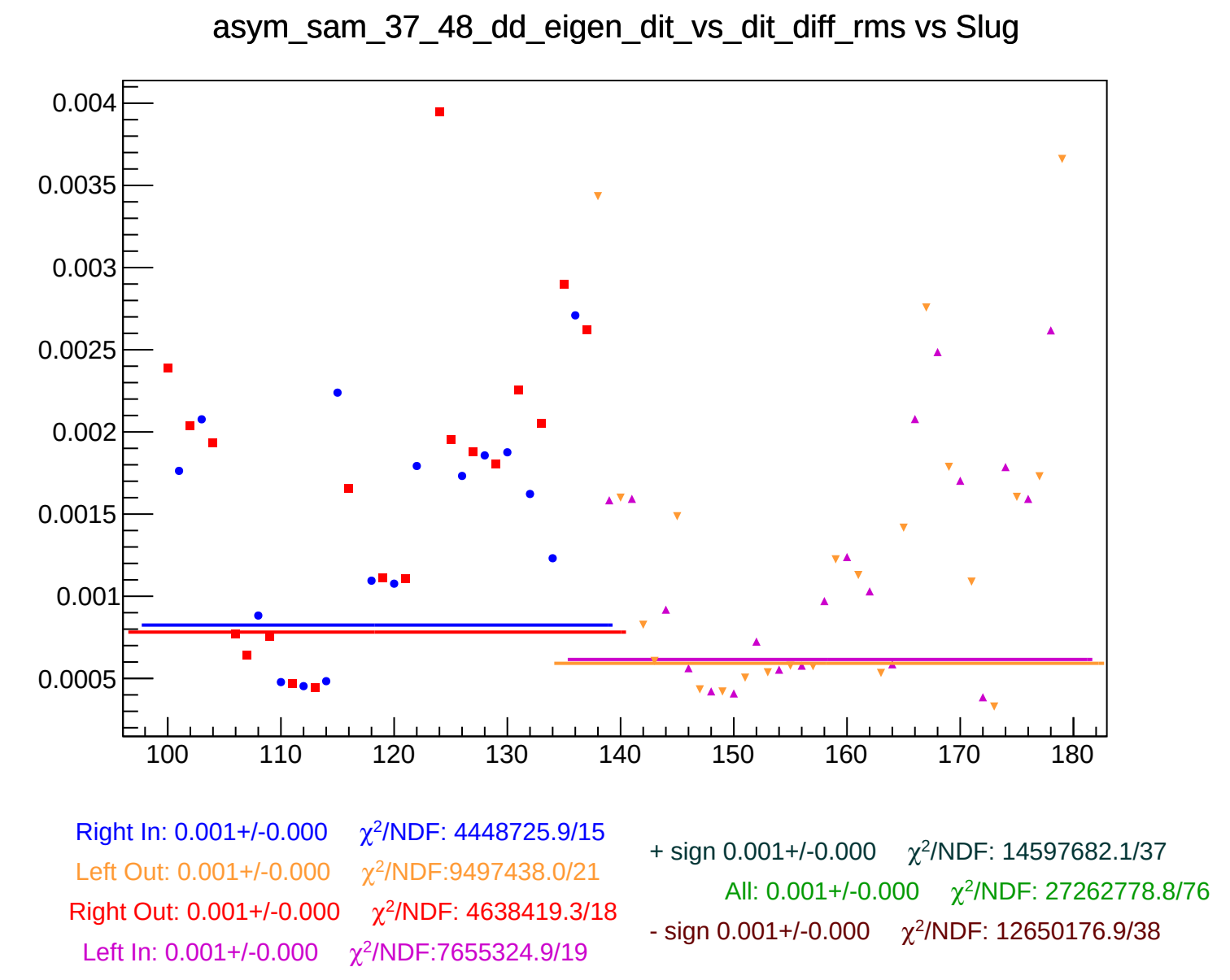
Right Out: 0.000+/-0.000 χ^2/NDF: 25.3/18

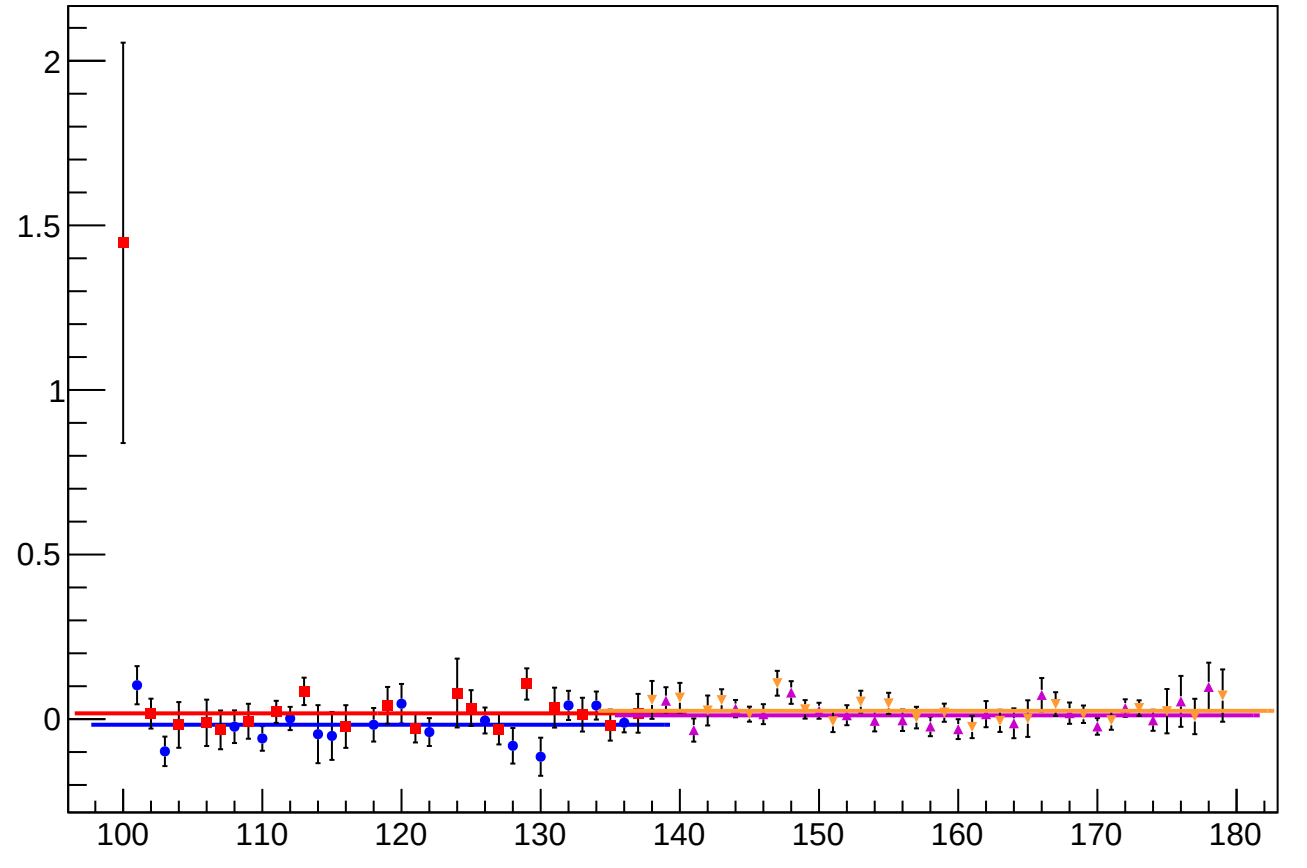
Left In: -0.000+/-0.000 χ^2/NDF:23.4/19

+ sign 0.000+/-0.000 χ^2/NDF: 75.6/37

All: 0.000+/-0.000 χ^2/NDF: 125.7/76

- sign 0.000+/-0.000 χ^2/NDF: 50.0/38


asym_sam_37_48_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.004
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
150
160
170
180
Right In: 0.001+/-0.000 χ²/NDF: 4448725.9/15
Left Out: 0.001+/-0.000 χ²/NDF:9497438.0/21
Right Out: 0.001+/-0.000 χ²/NDF: 4638419.3/18
Left In: 0.001+/-0.000 χ²/NDF:7655324.9/19
+ sign 0.001+/-0.000 χ²/NDF: 14597682.1/37
All: 0.001+/-0.000 χ²/NDF: 27262778.8/76
- sign 0.001+/-0.000 χ²/NDF: 12650176.9/38



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.025+/-0.007 χ^2/NDF:15.0/21

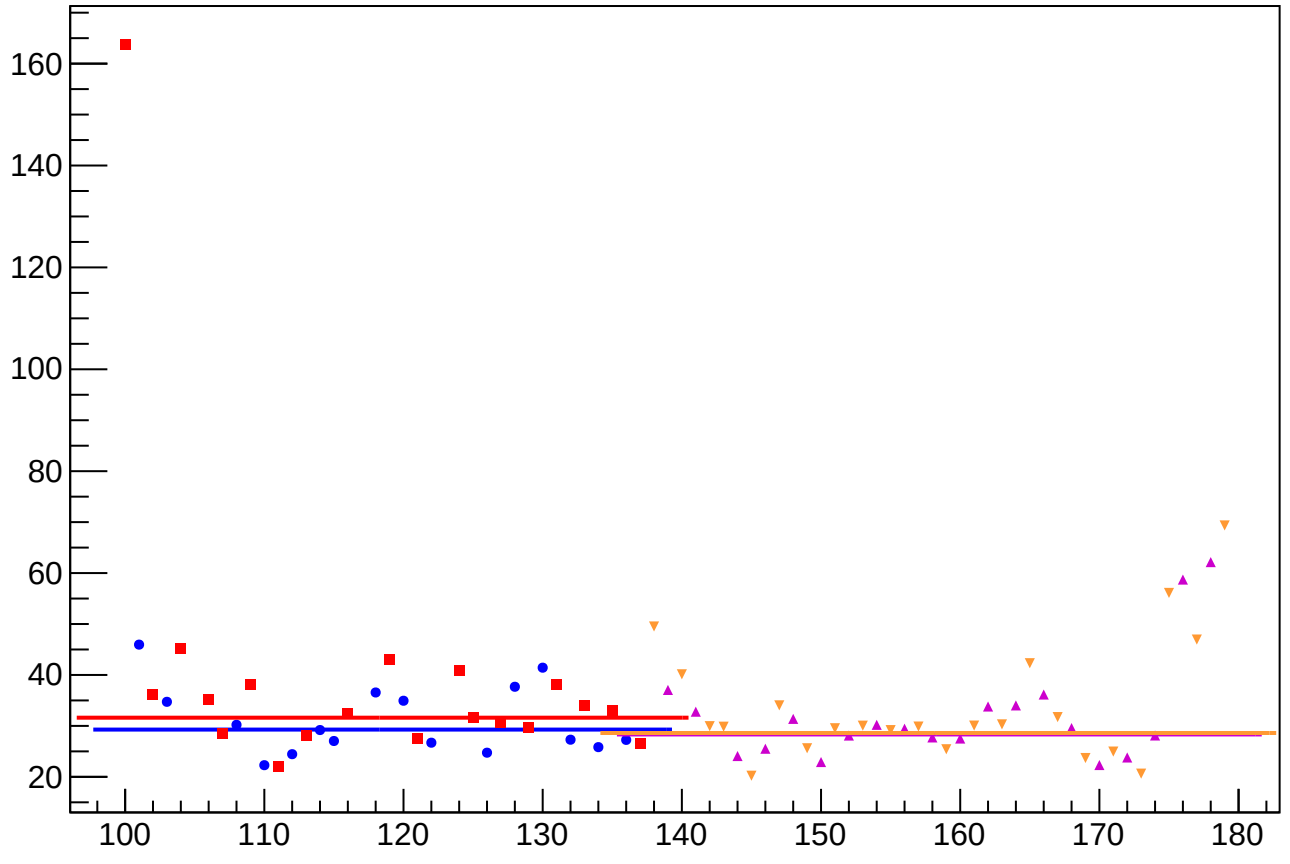
Right Out: 0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: 0.011+/-0.007 χ^2/NDF:17.6/19

\+ sign 0.013+/-0.006 χ^2/NDF: 43.7/37

All: 0.013+/-0.004 χ^2/NDF: 78.3/76

\- sign 0.013+/-0.006 χ^2/NDF: 34.6/38



Right In: 29.278+/-0.008 χ^2/NDF: 560654.1/15

Left Out: 28.610+/-0.005 χ^2/NDF:2337385.2/21

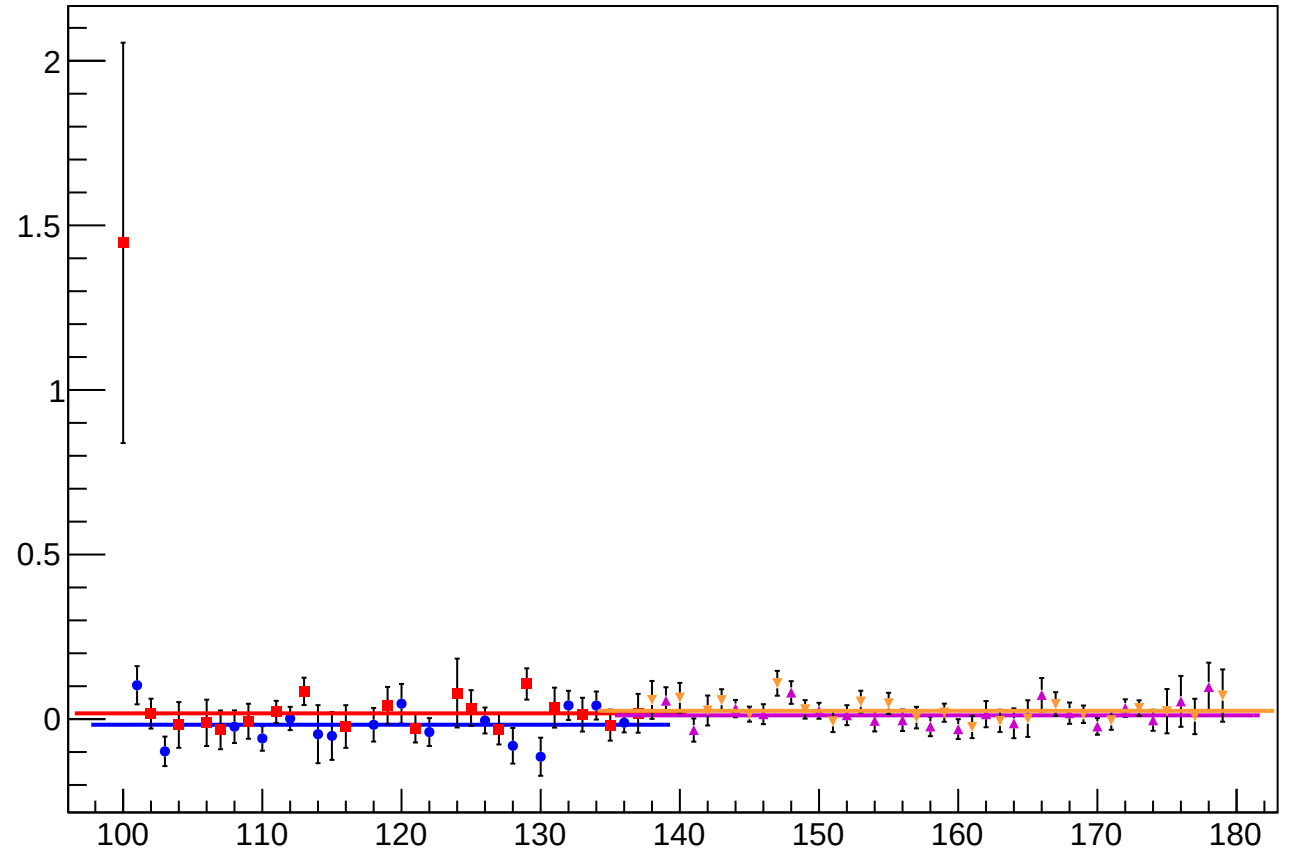
Right Out: 31.614+/-0.009 χ^2/NDF: 572187.4/18

Left In: 28.319+/-0.005 χ^2/NDF:1339606.7/19

+ sign 28.803+/-0.004 χ^2/NDF: 2902985.8/37

All: 29.000+/-0.003 χ^2/NDF: 4927281.0/76

- sign 29.209+/-0.004 χ^2/NDF: 2019981.8/38



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.025+/-0.007 χ^2/NDF:15.0/21

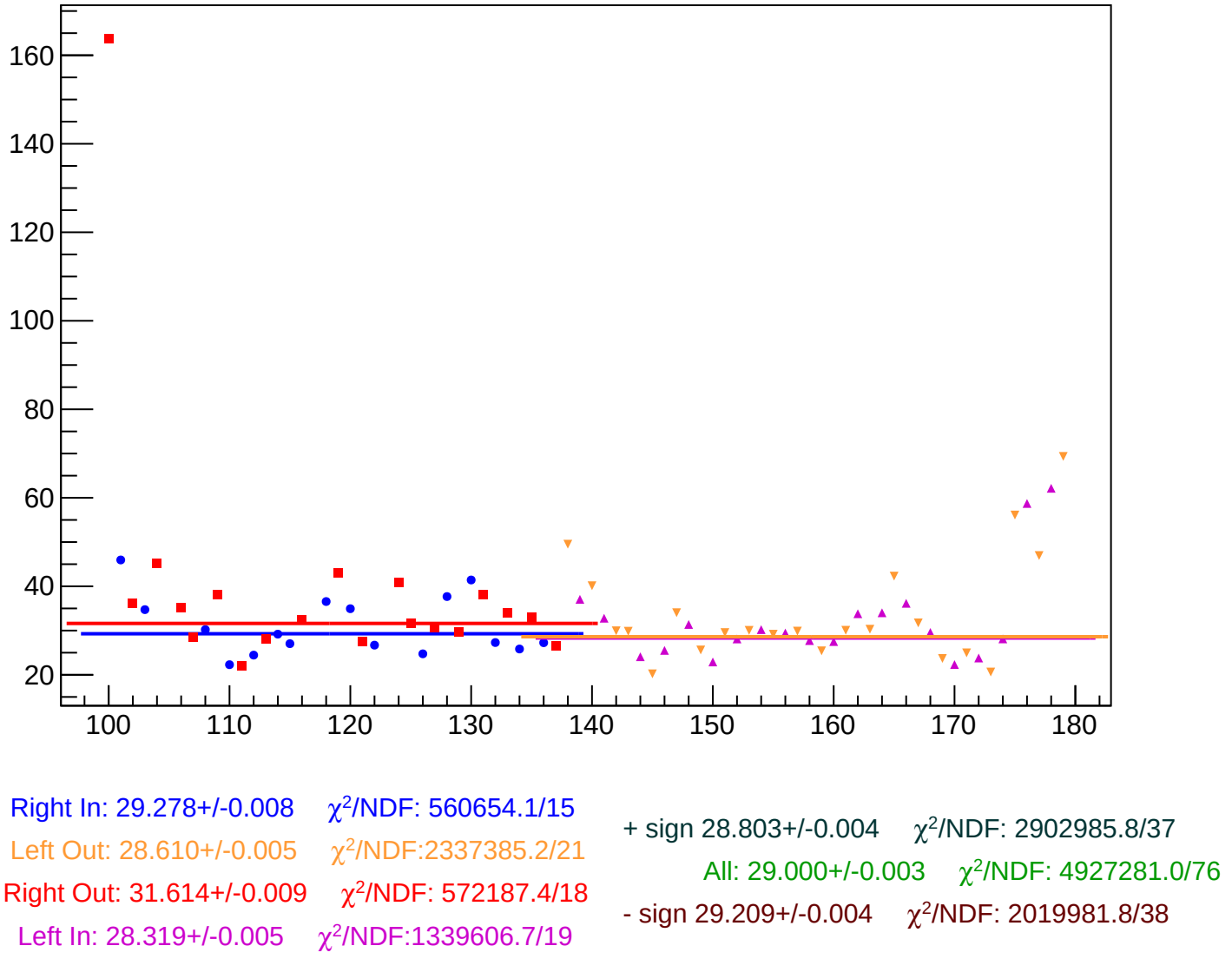
Right Out: 0.018+/-0.012 χ^2/NDF: 16.8/18

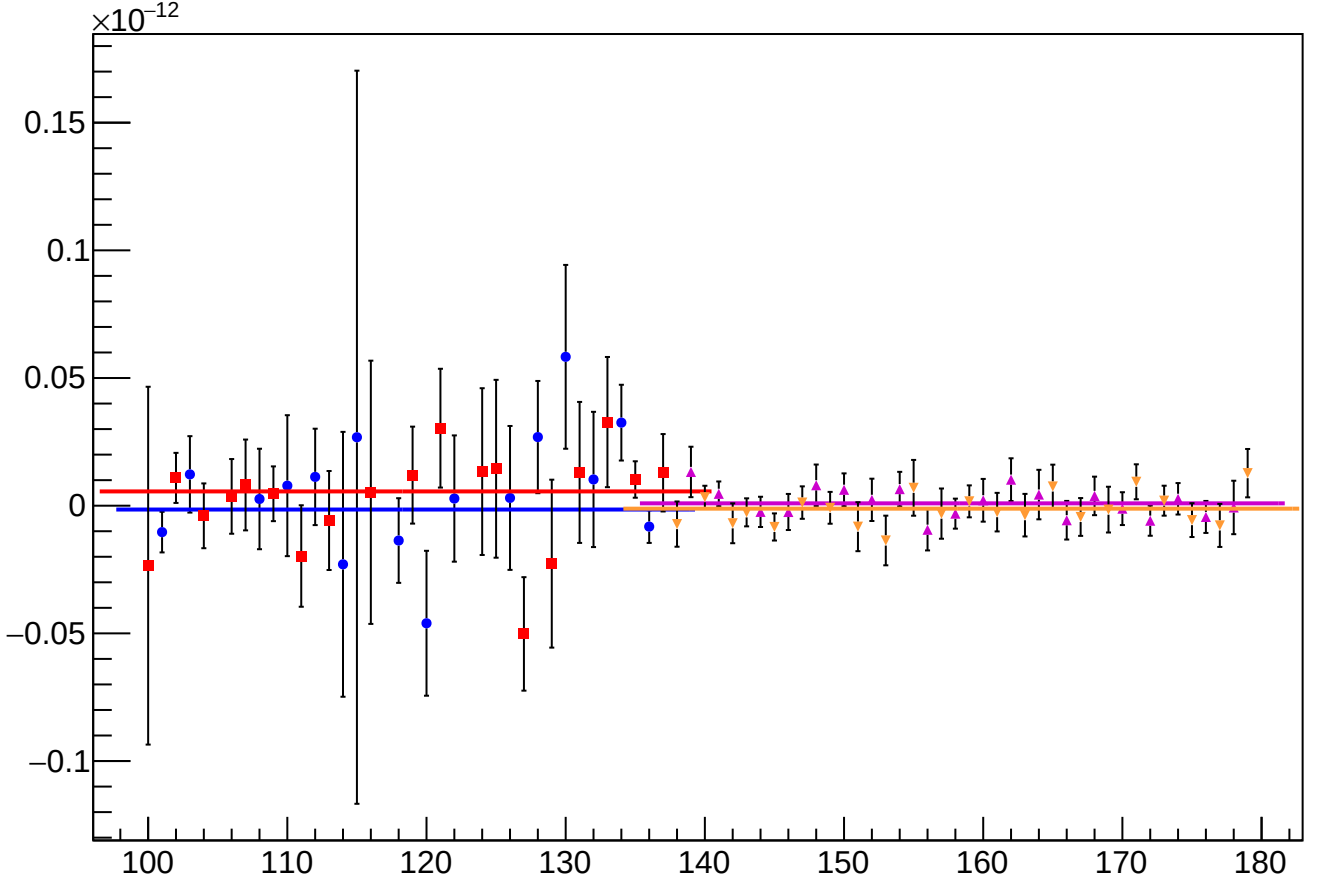
Left In: 0.011+/-0.007 χ^2/NDF:17.6/19

+ sign 0.013+/-0.006 χ^2/NDF: 43.7/37

All: 0.013+/-0.004 χ^2/NDF: 78.3/76

- sign 0.013+/-0.006 χ^2/NDF: 34.6/38


asym_sam_37_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
160
140
120
100
80
60
40
20
100
110
120
130
140
150
160
170
180
Right In: 29.278+/-0.008 χ²/NDF: 560654.1/15
Left Out: 28.610+/-0.005 χ²/NDF:2337385.2/21
Right Out: 31.614+/-0.009 χ²/NDF: 572187.4/18
Left In: 28.319+/-0.005 χ²/NDF:1339606.7/19
+ sign 28.803+/-0.004 χ²/NDF: 2902985.8/37
All: 29.000+/-0.003 χ²/NDF: 4927281.0/76
- sign 29.209+/-0.004 χ²/NDF: 2019981.8/38



Right In: -0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.2/21

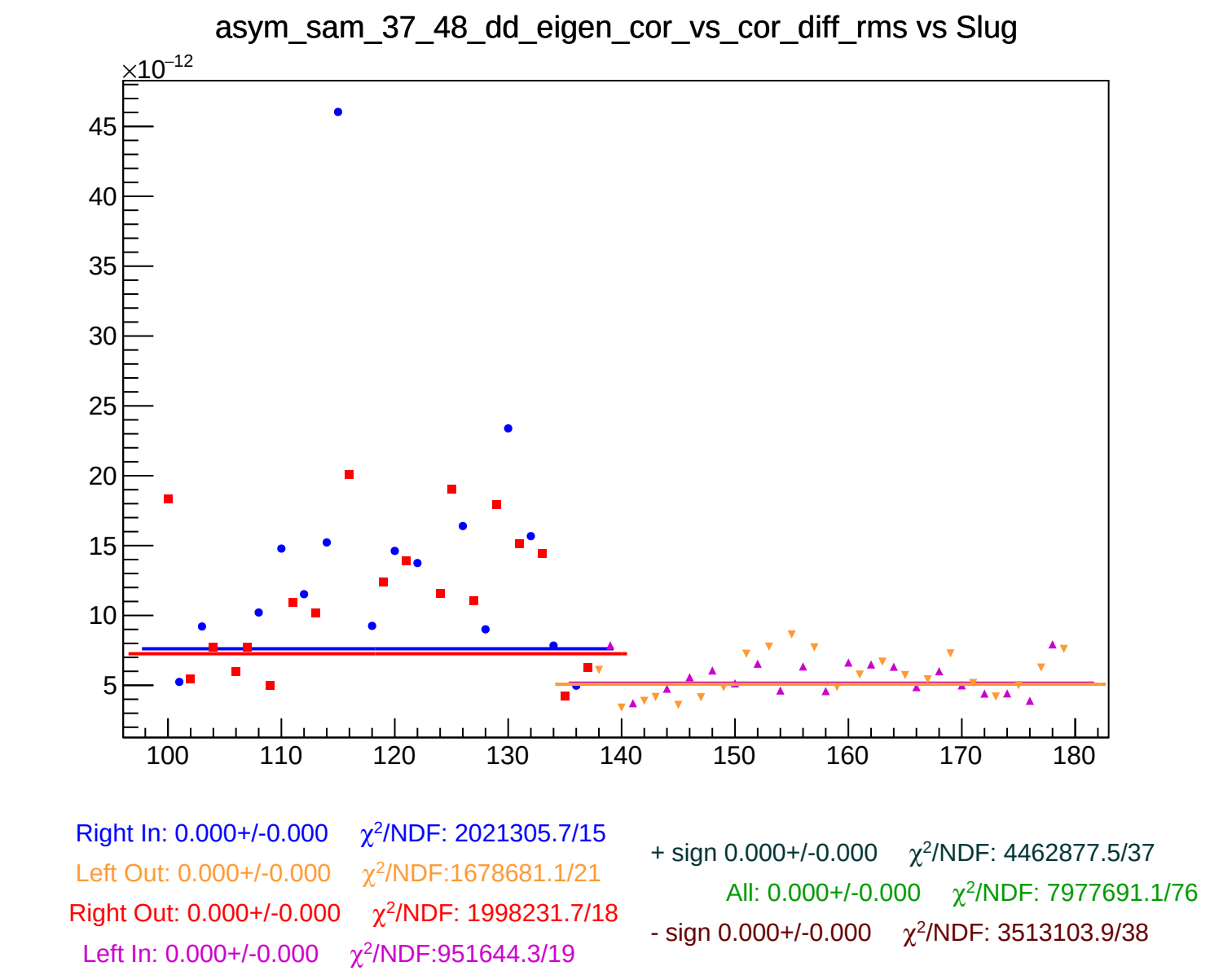
Right Out: 0.000+/-0.000 χ^2/NDF: 13.3/18

Left In: 0.000+/-0.000 χ^2/NDF:11.5/19

+ sign -0.000+/-0.000 χ^2/NDF: 31.2/37

All: 0.000+/-0.000 χ^2/NDF: 59.4/76

- sign 0.000+/-0.000 χ^2/NDF: 26.2/38


asym_sam_37_48_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
45
40
35
30
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20
15
10
5
100
110
120
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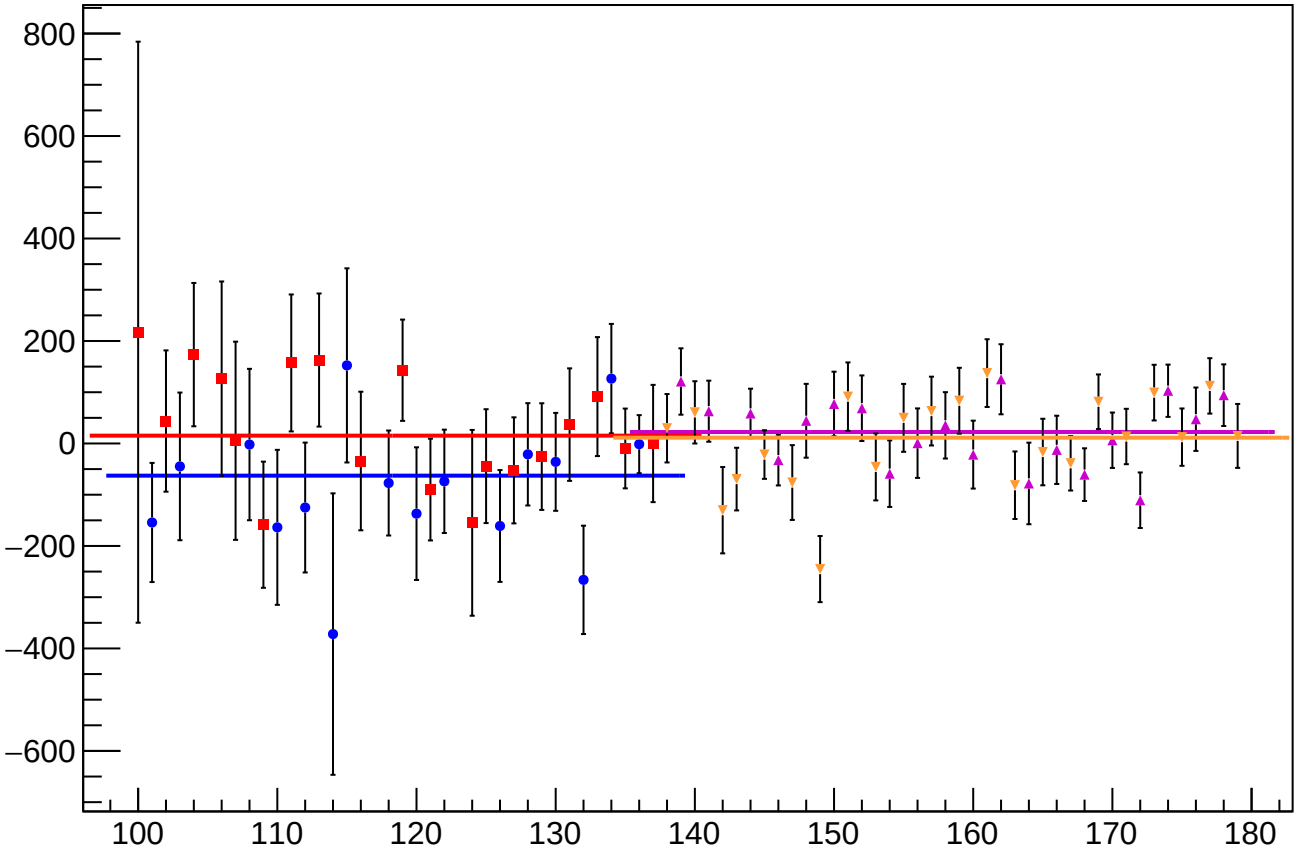
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2021305.7/15
Left Out: 0.000+/-0.000 χ²/NDF:1678681.1/21
Right Out: 0.000+/-0.000 χ²/NDF: 1998231.7/18
Left In: 0.000+/-0.000 χ²/NDF:951644.3/19
+ sign 0.000+/-0.000 χ²/NDF: 4462877.5/37
All: 0.000+/-0.000 χ²/NDF: 7977691.1/76
- sign 0.000+/-0.000 χ²/NDF: 3513103.9/38

reg_asym_sam_15_26_dd_mean vs Slug



Right In: -62.798+/-27.213 χ^2/NDF: 13.5/15

Left Out: 11.308+/-12.991 χ^2/NDF:41.9/21

Right Out: 15.288+/-27.770 χ^2/NDF: 11.5/18

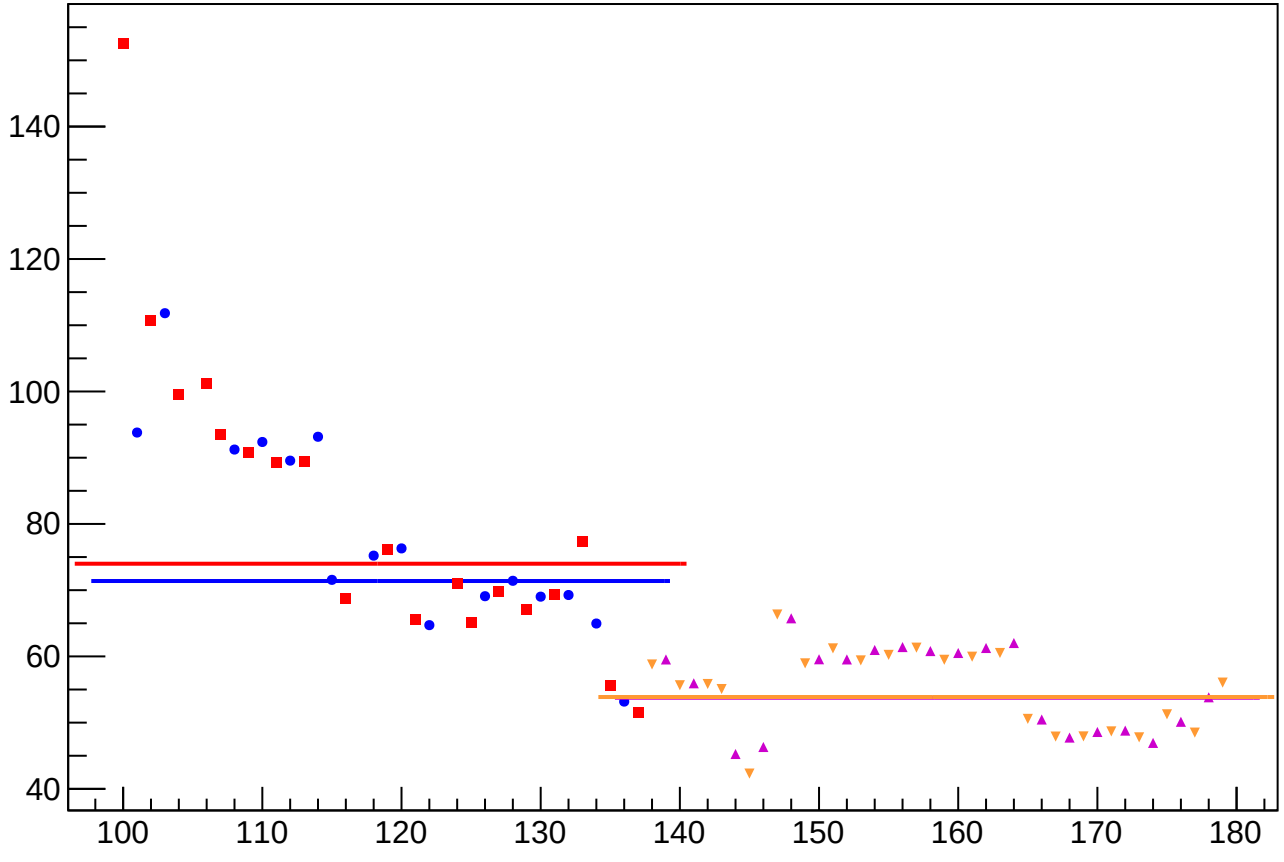
Left In: 22.354+/-13.428 χ^2/NDF:25.0/19

+ sign -2.446+/-11.723 χ^2/NDF: 61.5/37

All: 8.925+/-8.416 χ^2/NDF: 100.0/76

- sign 21.015+/-12.089 χ^2/NDF: 36.6/38

reg_asym_sam_15_26_dd_rms vs Slug



Right In: 71.383+/-0.019 χ^2/NDF: 590909.3/15

Left Out: 53.867+/-0.009 χ^2/NDF:463358.7/21

Right Out: 73.994+/-0.020 χ^2/NDF: 638445.5/18

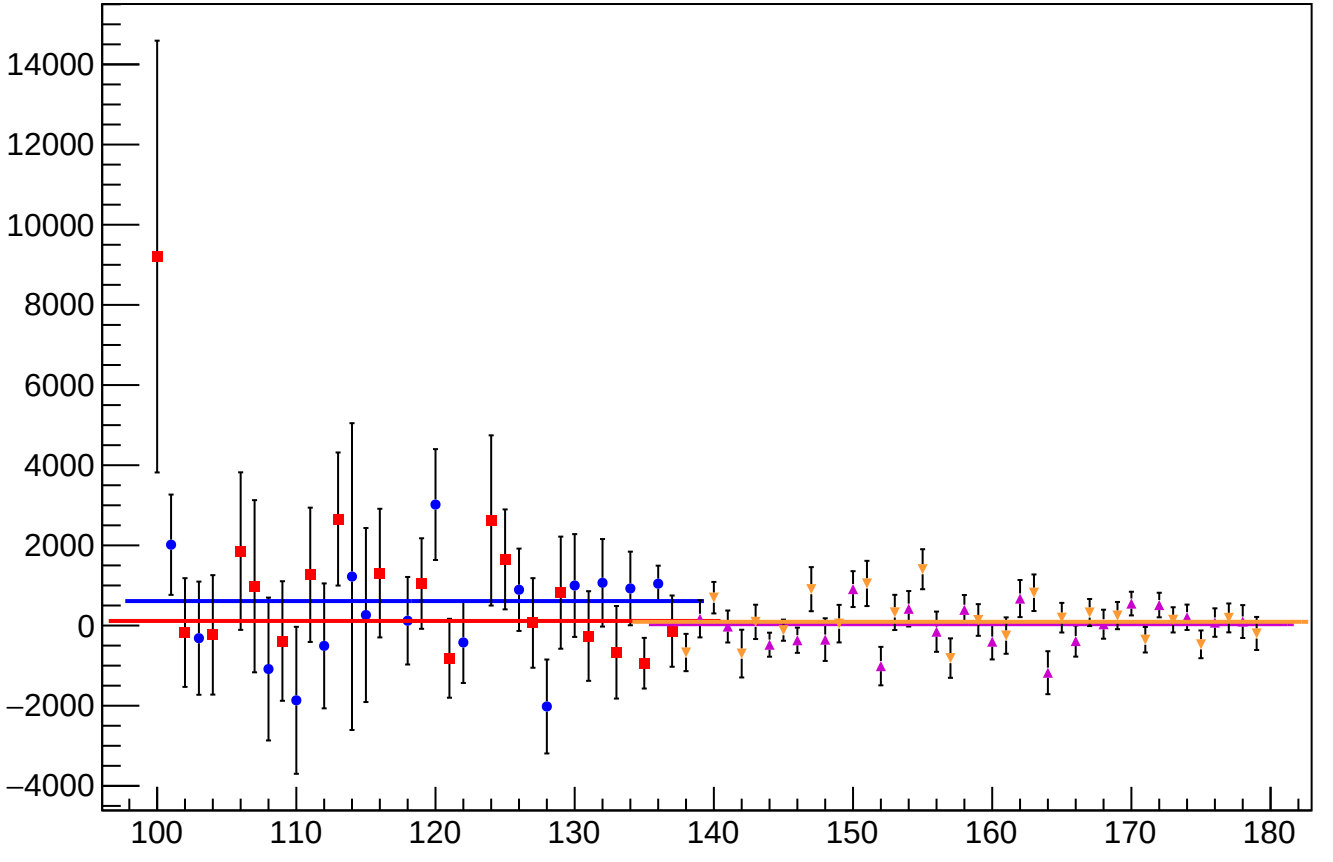
Left In: 53.758+/-0.009 χ^2/NDF:464492.0/19

+ sign 57.118+/-0.008 χ^2/NDF: 1729098.2/37

All: 57.348+/-0.006 χ^2/NDF: 3694383.6/76

- sign 57.592+/-0.009 χ^2/NDF: 1963697.3/38

asym_sam_15_26_dd_reg_correction_mean vs Slug



Right In: 610.561+/-266.802 χ^2/NDF: 15.7/15

Left Out: 93.236+/-84.271 χ^2/NDF:32.2/21

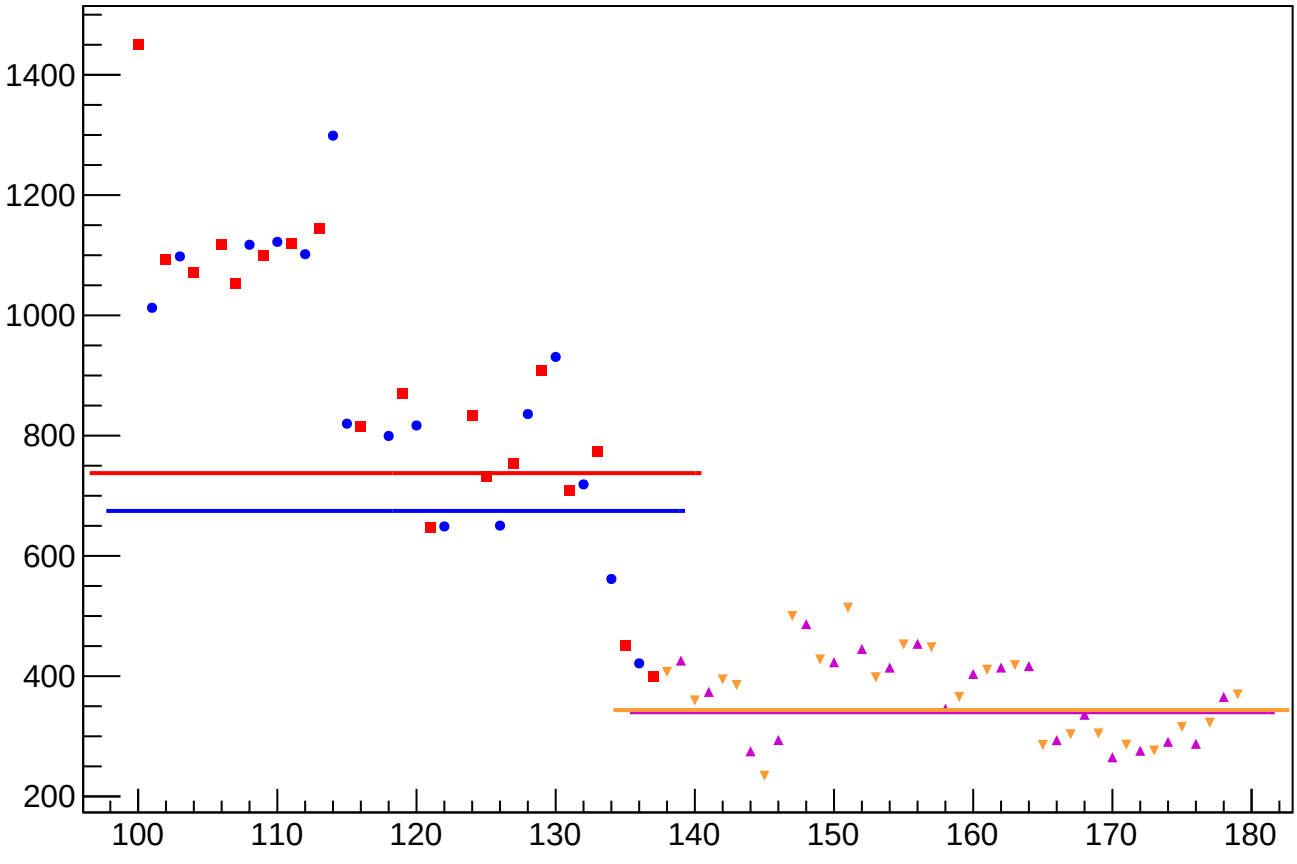
Right Out: 114.633+/-284.312 χ^2/NDF: 15.6/18

Left In: 33.964+/-86.099 χ^2/NDF:30.5/19

+ sign 140.165+/-80.357 χ^2/NDF: 51.3/37

All: 91.702+/-57.531 χ^2/NDF: 98.2/76

- sign 40.740+/-82.403 χ^2/NDF: 46.2/38



Right In: 674.830+/-0.189 χ^2/NDF: 1617598.7/15

Left Out: 343.606+/-0.060 χ^2/NDF:1434076.4/21

Right Out: 737.674+/-0.201 χ^2/NDF: 1516748.6/18

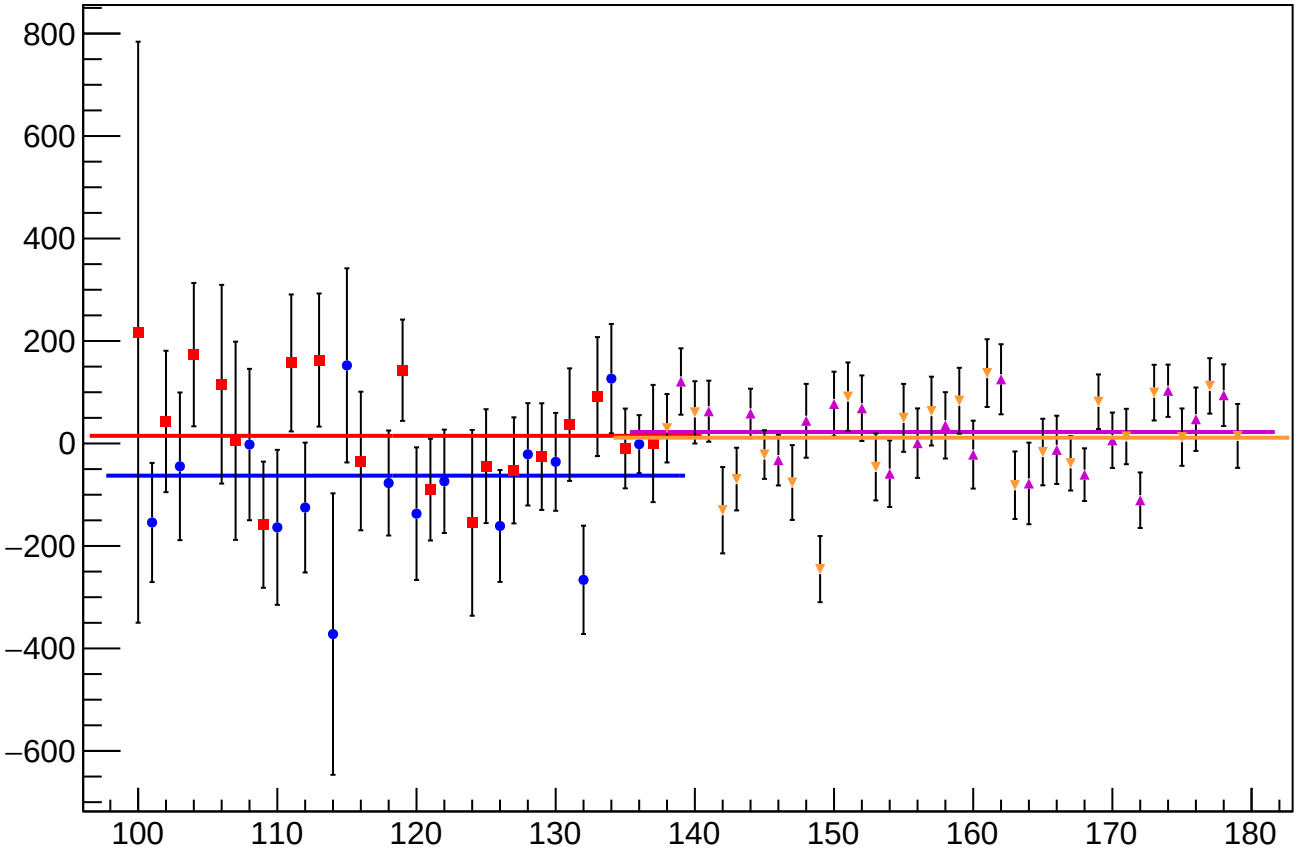
Left In: 339.995+/-0.061 χ^2/NDF:1174069.4/19

+ sign 373.652+/-0.057 χ^2/NDF: 5854507.4/37

All: 373.530+/-0.041 χ^2/NDF: 12129598.7/76

- sign 373.401+/-0.058 χ^2/NDF: 6275081.8/38

cor_asym_sam_15_26_dd_mean vs Slug



Right In: -62.789+/-27.213 χ^2/NDF: 13.5/15

Left Out: 11.308+/-12.991 χ^2/NDF:41.9/21

Right Out: 14.932+/-27.783 χ^2/NDF: 11.4/18

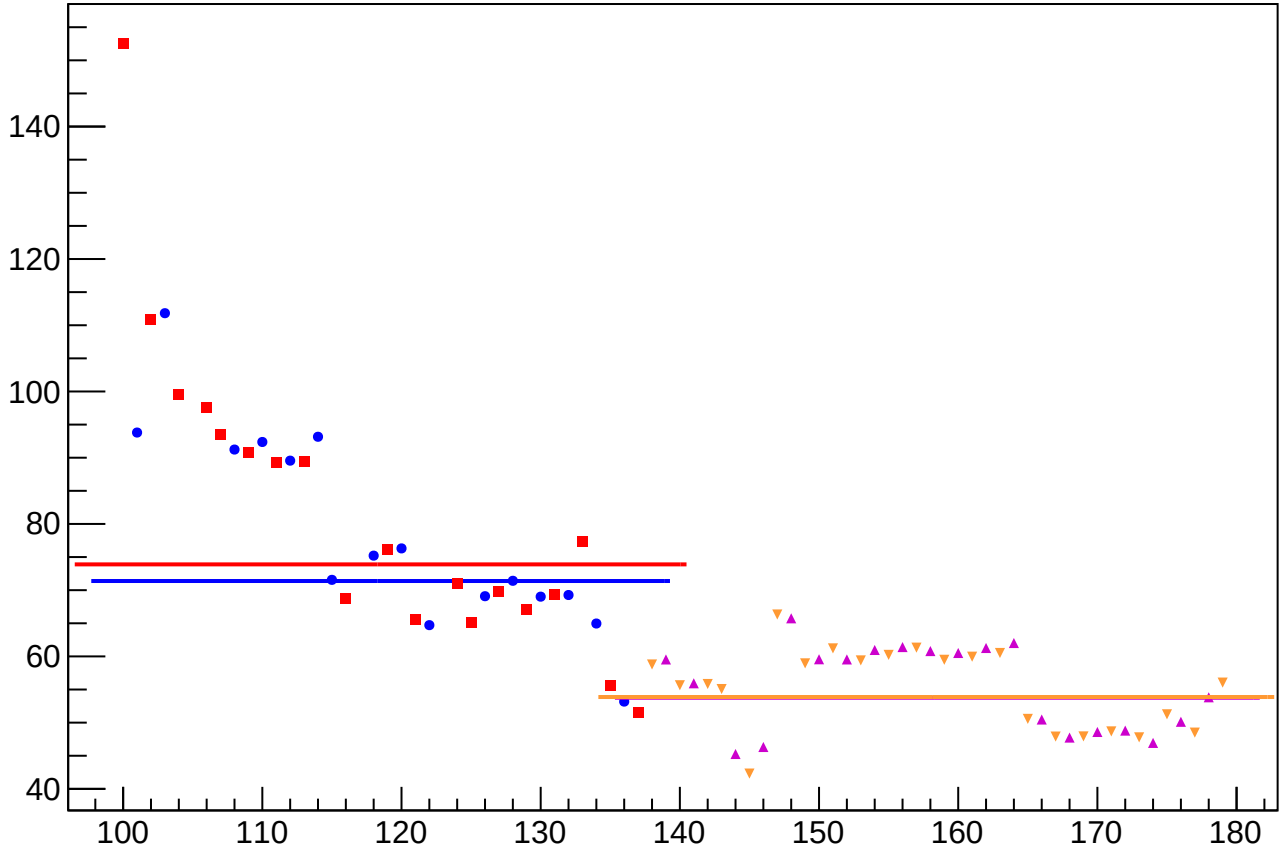
Left In: 22.353+/-13.428 χ^2/NDF:25.0/19

+ sign -2.444+/-11.723 χ^2/NDF: 61.5/37

All: 8.892+/-8.416 χ^2/NDF: 99.9/76

- sign 20.948+/-12.090 χ^2/NDF: 36.5/38

cor_asym_sam_15_26_dd_rms vs Slug



Right In: 71.383+/-0.019 χ^2/NDF: 590911.7/15

Left Out: 53.867+/-0.009 χ^2/NDF:463358.7/21

Right Out: 73.894+/-0.020 χ^2/NDF: 627014.3/18

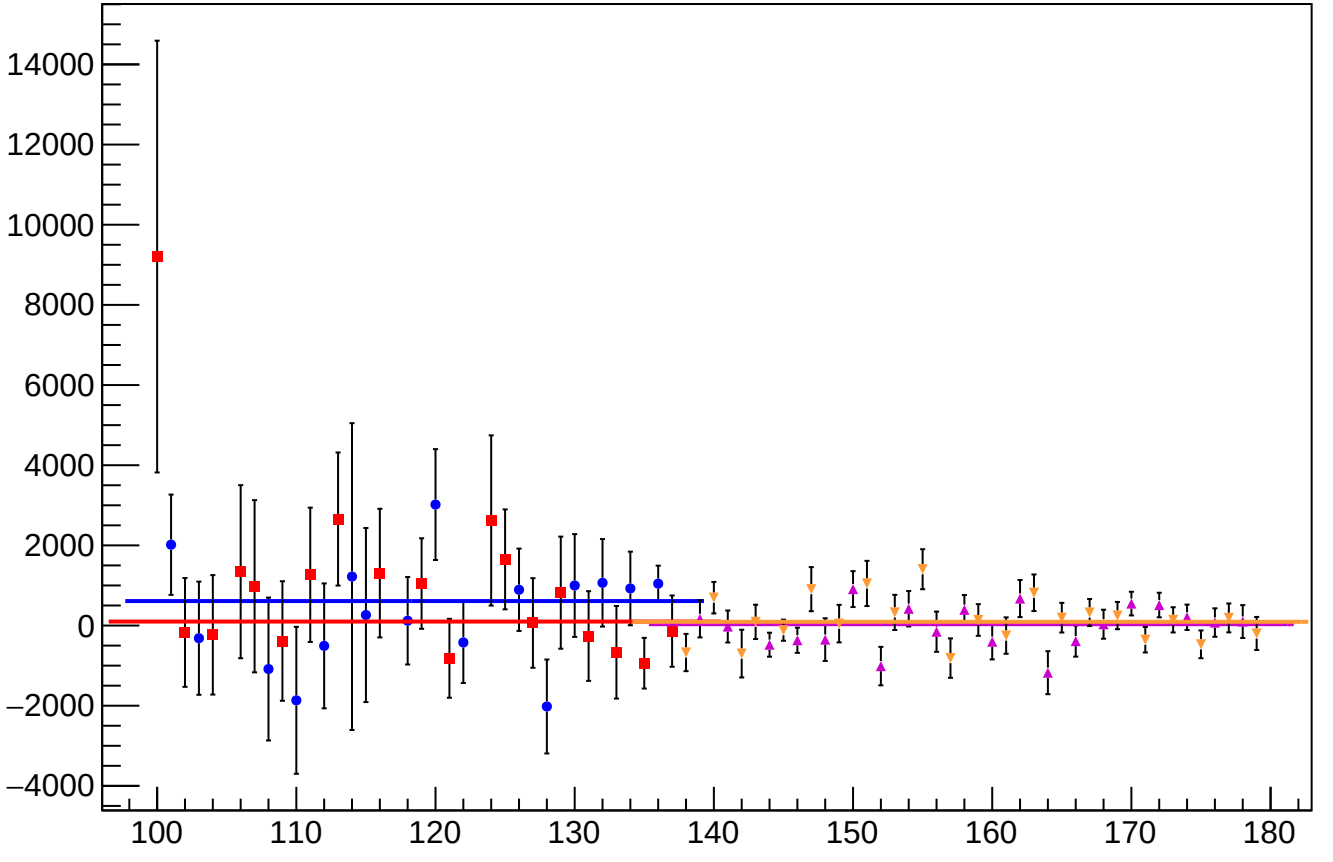
Left In: 53.758+/-0.009 χ^2/NDF:464492.0/19

+ sign 57.118+/-0.008 χ^2/NDF: 1729100.8/37

All: 57.337+/-0.006 χ^2/NDF: 3673688.7/76

- sign 57.571+/-0.009 χ^2/NDF: 1943142.9/38

asym_sam_15_26_dd_cor_correction_mean vs Slug



Right In: 610.549+/-266.803 χ^2/NDF: 15.7/15

Left Out: 93.236+/-84.271 χ^2/NDF:32.2/21

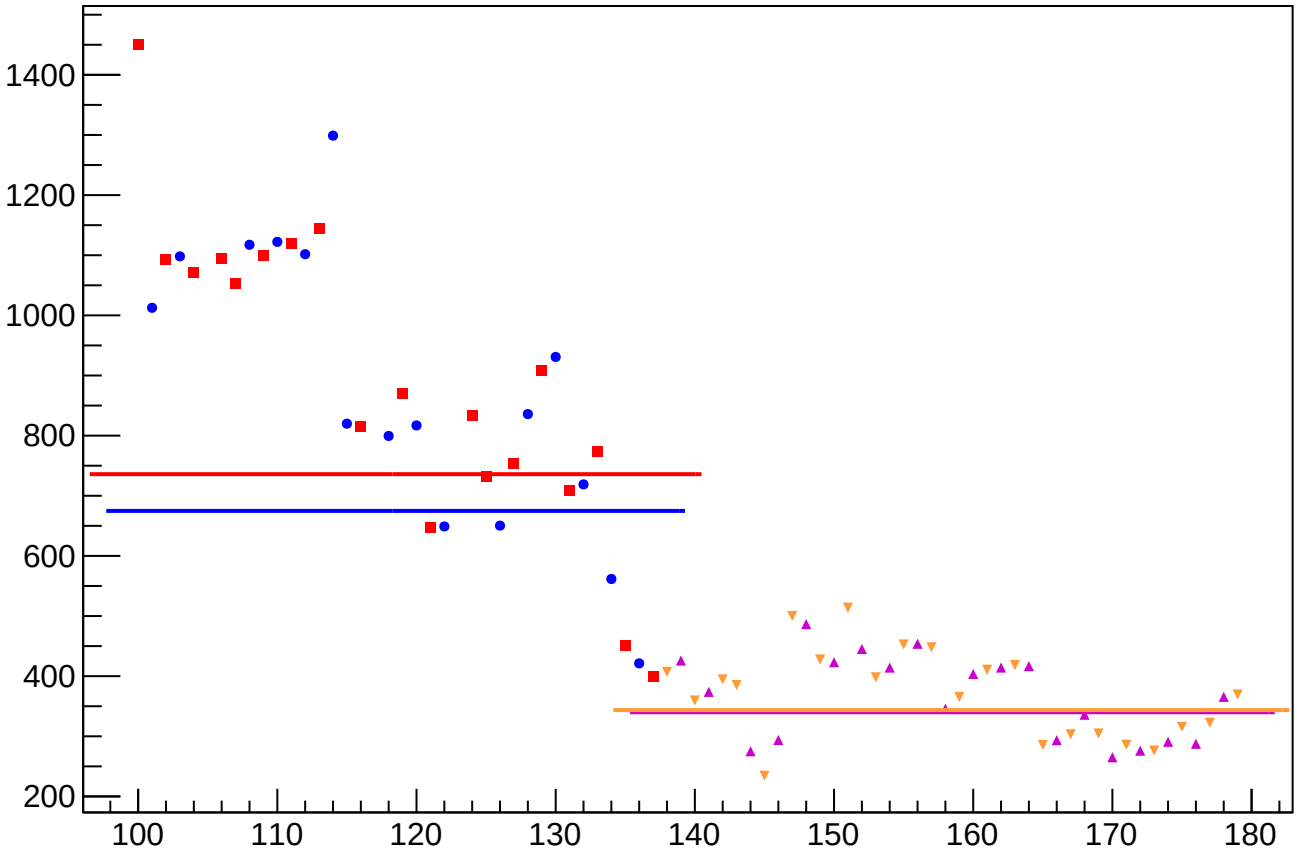
Right Out: 99.555+/-284.831 χ^2/NDF: 15.1/18

Left In: 33.965+/-86.099 χ^2/NDF:30.5/19

+ sign 140.163+/-80.357 χ^2/NDF: 51.3/37

All: 91.083+/-57.535 χ^2/NDF: 97.7/76

- sign 39.457+/-82.416 χ^2/NDF: 45.7/38



Right In: 674.831+/-0.189 χ^2/NDF: 1617624.1/15

Left Out: 343.606+/-0.060 χ^2/NDF:1434077.4/21

Right Out: 735.919+/-0.201 χ^2/NDF: 1496977.2/18

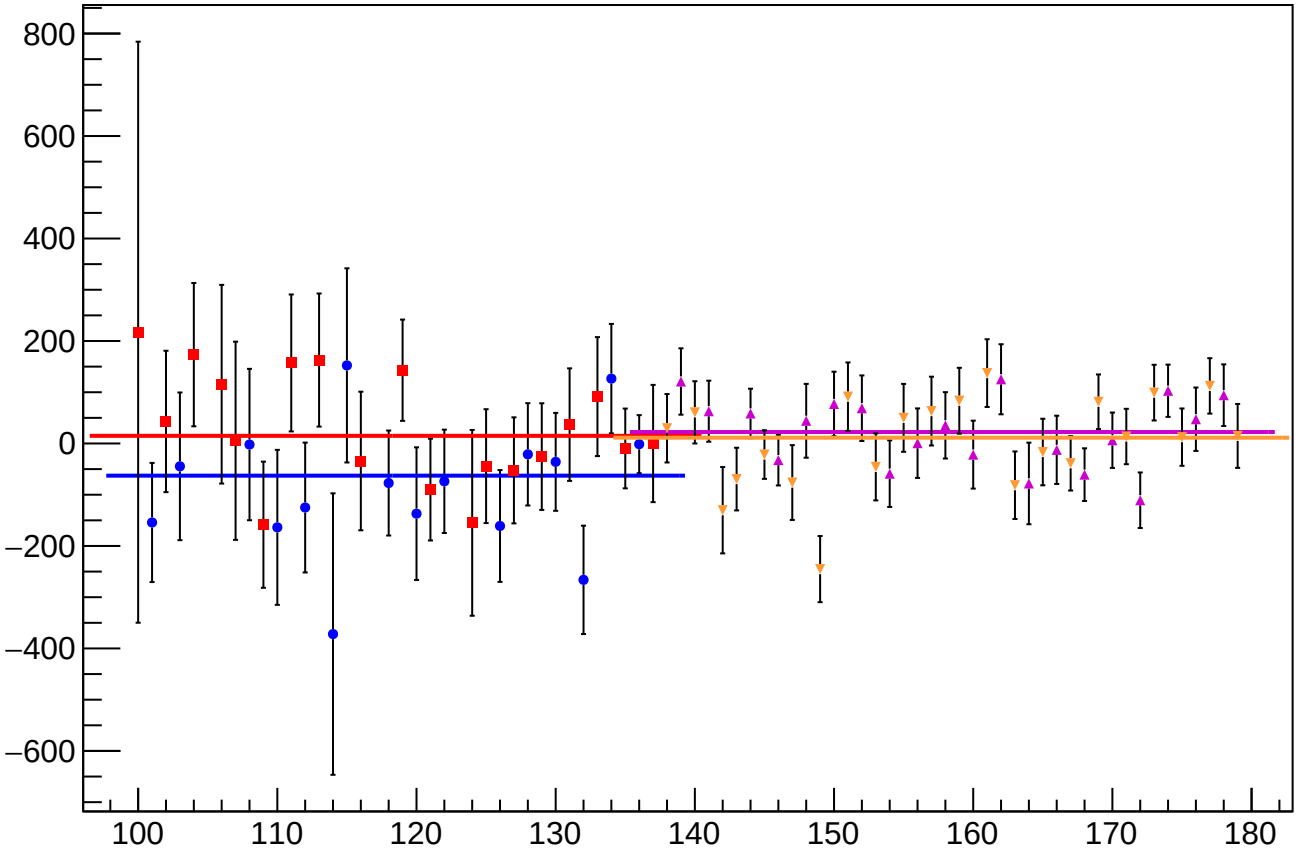
Left In: 339.995+/-0.061 χ^2/NDF:1174079.7/19

+ sign 373.652+/-0.057 χ^2/NDF: 5854531.0/37

All: 373.404+/-0.041 χ^2/NDF: 12066475.5/76

- sign 373.143+/-0.058 χ^2/NDF: 6211905.3/38

eigen_cor_asym_sam_15_26_dd_mean vs Slug



Right In: -62.789+/-27.213 χ^2/NDF: 13.5/15

Left Out: 11.308+/-12.991 χ^2/NDF:41.9/21

Right Out: 14.932+/-27.783 χ^2/NDF: 11.4/18

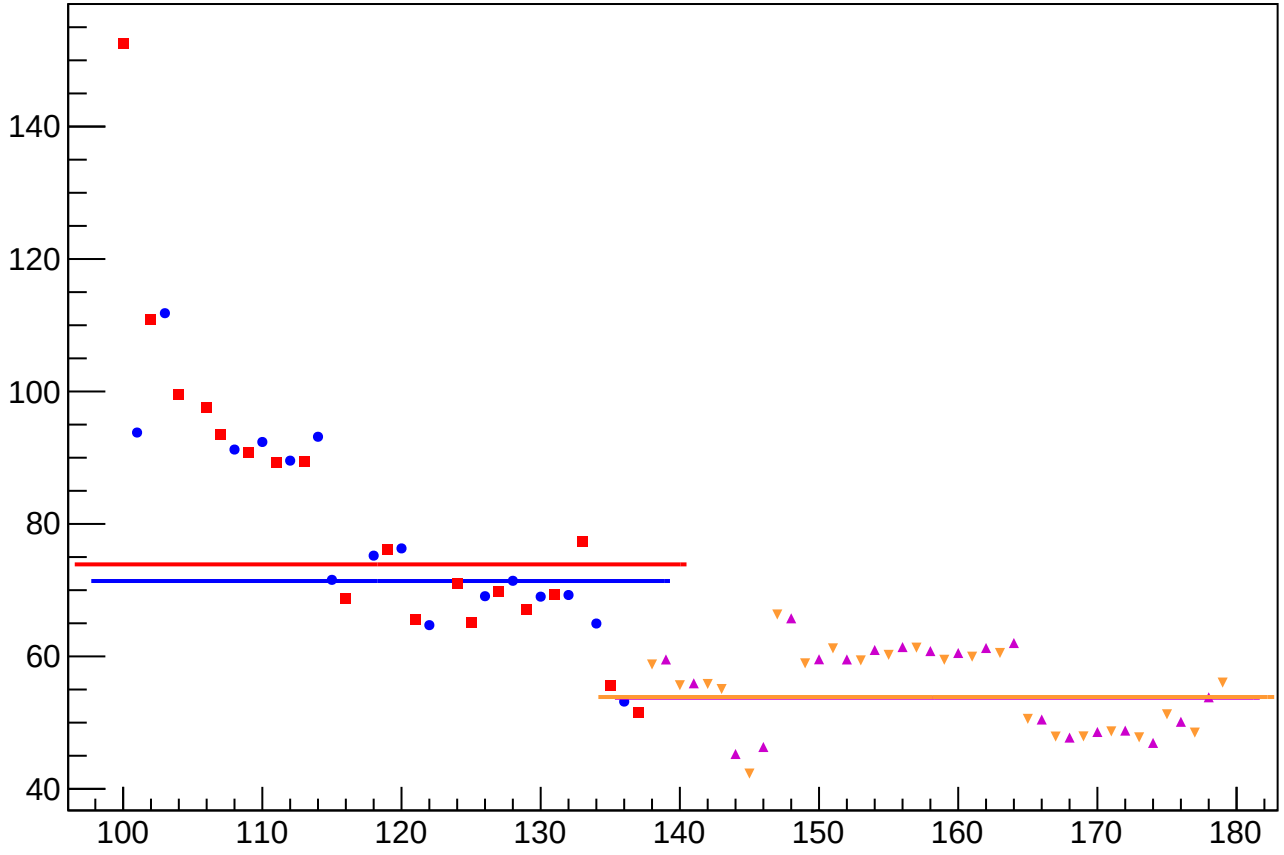
Left In: 22.353+/-13.428 χ^2/NDF:25.0/19

+ sign -2.444+/-11.723 χ^2/NDF: 61.5/37

All: 8.892+/-8.416 χ^2/NDF: 99.9/76

- sign 20.948+/-12.090 χ^2/NDF: 36.5/38

eigen_cor_asym_sam_15_26_dd_rms vs Slug



Right In: 71.383+/-0.019 χ^2/NDF: 590911.7/15

Left Out: 53.867+/-0.009 χ^2/NDF:463358.7/21

Right Out: 73.894+/-0.020 χ^2/NDF: 627014.3/18

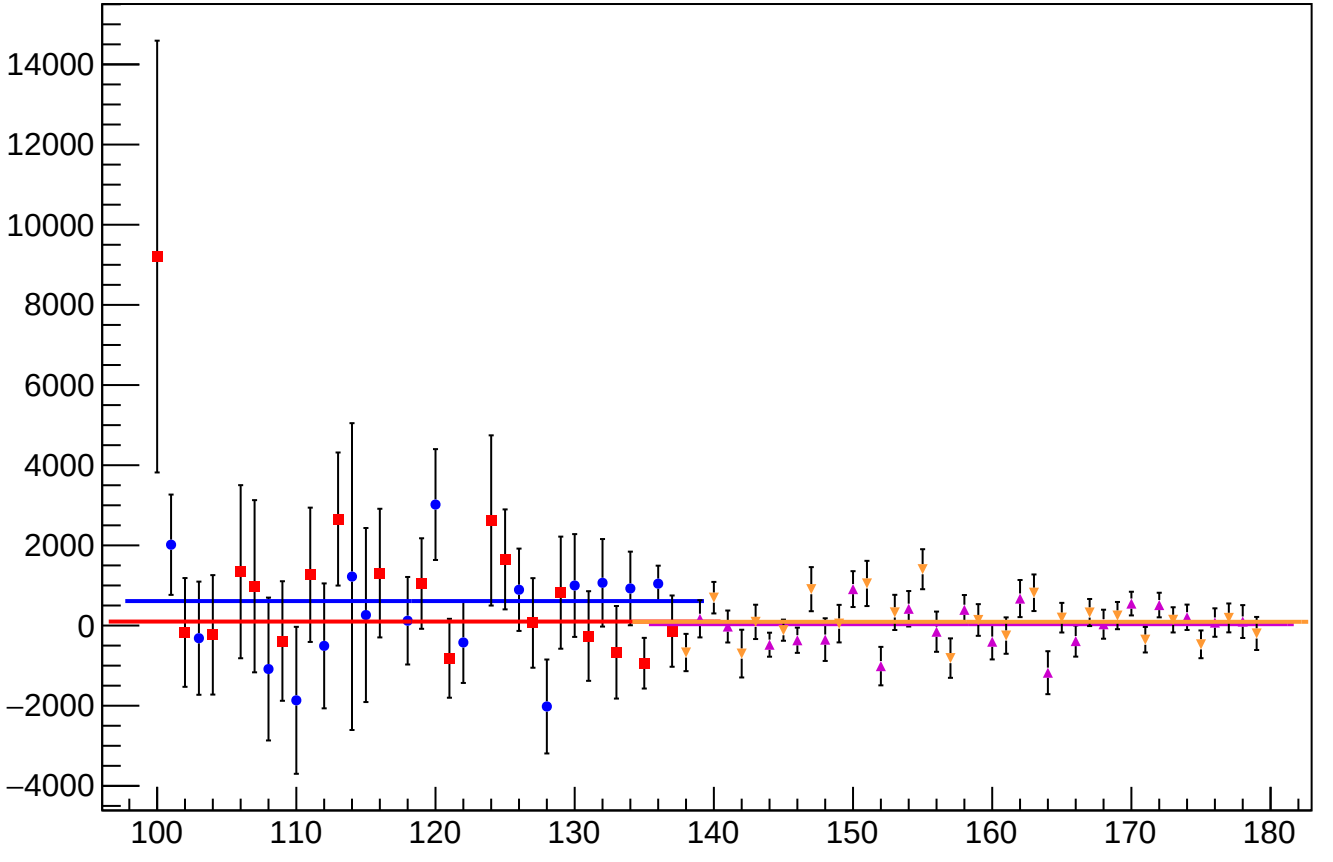
Left In: 53.758+/-0.009 χ^2/NDF:464492.0/19

+ sign 57.118+/-0.008 χ^2/NDF: 1729100.8/37

All: 57.337+/-0.006 χ^2/NDF: 3673688.7/76

- sign 57.571+/-0.009 χ^2/NDF: 1943142.9/38

asym_sam_15_26_dd_eigen_cor_correction_mean vs Slug



Right In: 610.549+/-266.803 χ^2/NDF: 15.7/15

Left Out: 93.236+/-84.271 χ^2/NDF:32.2/21

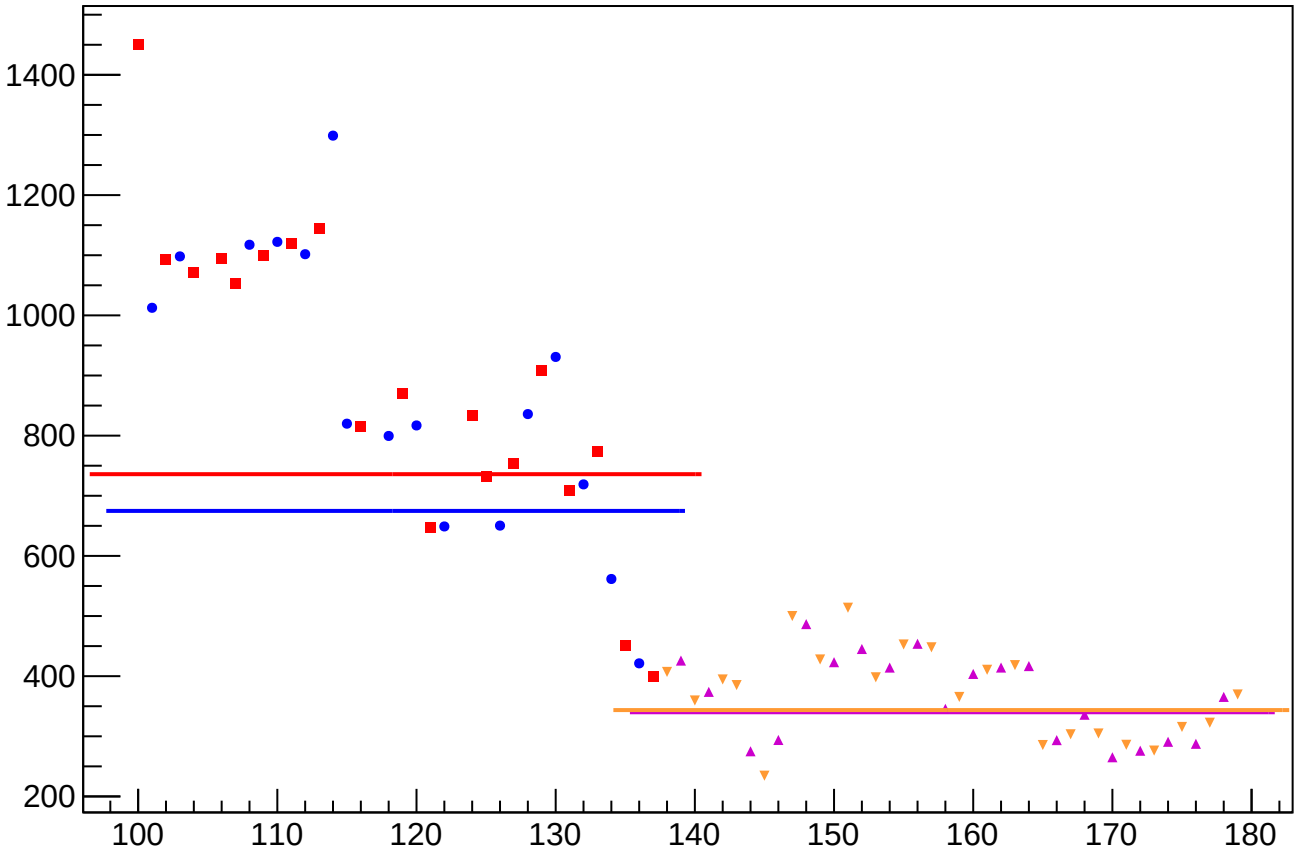
Right Out: 99.555+/-284.831 χ^2/NDF: 15.1/18

Left In: 33.965+/-86.099 χ^2/NDF:30.5/19

+ sign 140.163+/-80.357 χ^2/NDF: 51.3/37

All: 91.083+/-57.535 χ^2/NDF: 97.7/76

- sign 39.457+/-82.416 χ^2/NDF: 45.7/38



Right In: 674.831+/-0.189 χ^2/NDF: 1617624.1/15

Left Out: 343.606+/-0.060 χ^2/NDF:1434077.4/21

Right Out: 735.919+/-0.201 χ^2/NDF: 1496977.2/18

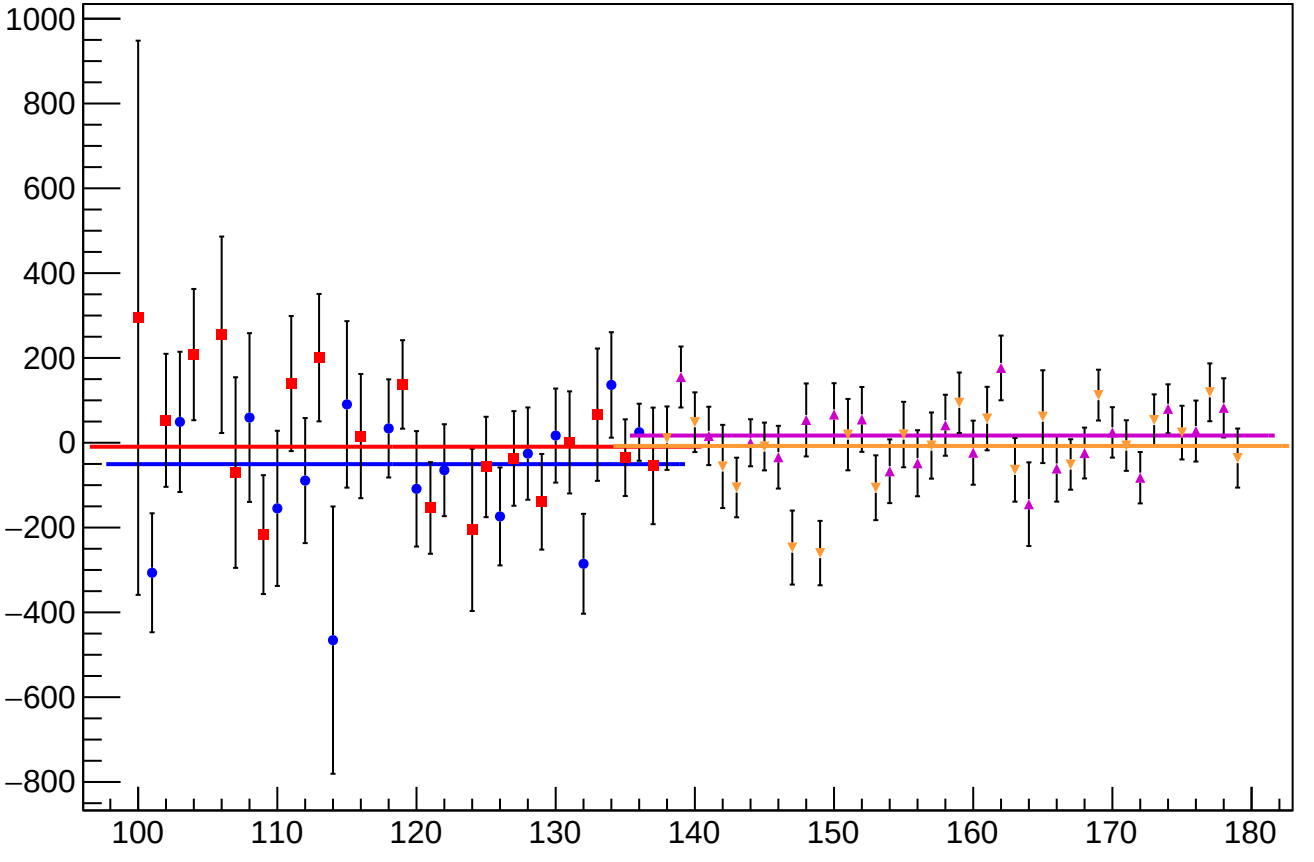
Left In: 339.995+/-0.061 χ^2/NDF:1174079.7/19

+ sign 373.652+/-0.057 χ^2/NDF: 5854531.0/37

All: 373.404+/-0.041 χ^2/NDF: 12066475.5/76

- sign 373.143+/-0.058 χ^2/NDF: 6211905.3/38

dit_asym_sam_15_26_dd_mean vs Slug



Right In: -50.465+/-31.061 χ^2/NDF: 16.4/15

Left Out: -7.545+/-15.123 χ^2/NDF:36.5/21

Right Out: -9.380+/-31.235 χ^2/NDF: 15.6/18

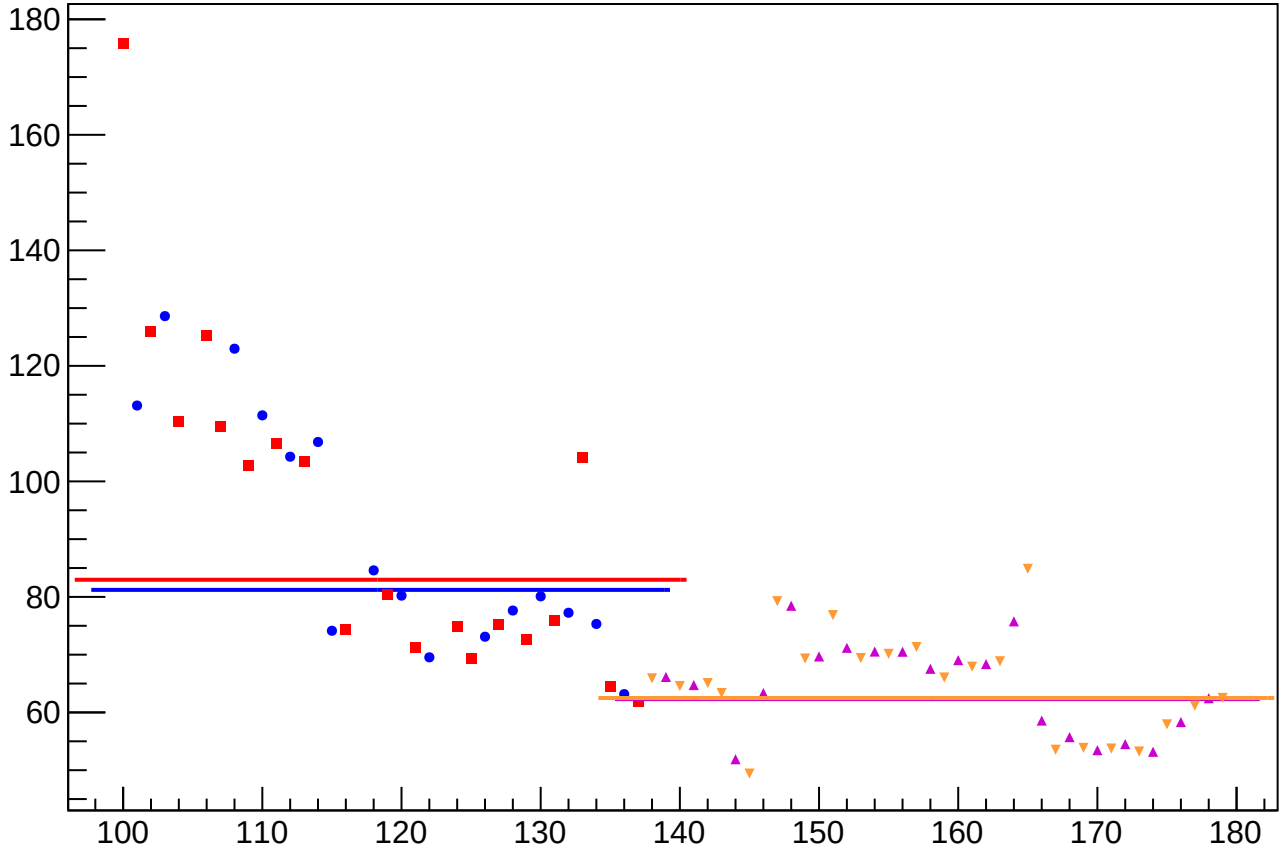
Left In: 17.004+/-15.649 χ^2/NDF:20.8/19

+ sign -15.769+/-13.597 χ^2/NDF: 54.5/37

All: -2.422+/-9.751 χ^2/NDF: 93.5/76

- sign 11.710+/-13.991 χ^2/NDF: 37.0/38

dit_asym_sam_15_26_dd_rms vs Slug



Right In: 81.218+/-0.022 χ^2/NDF: 662873.6/15

Left Out: 62.497+/-0.011 χ^2/NDF:626168.8/21

Right Out: 82.971+/-0.022 χ^2/NDF: 730384.9/18

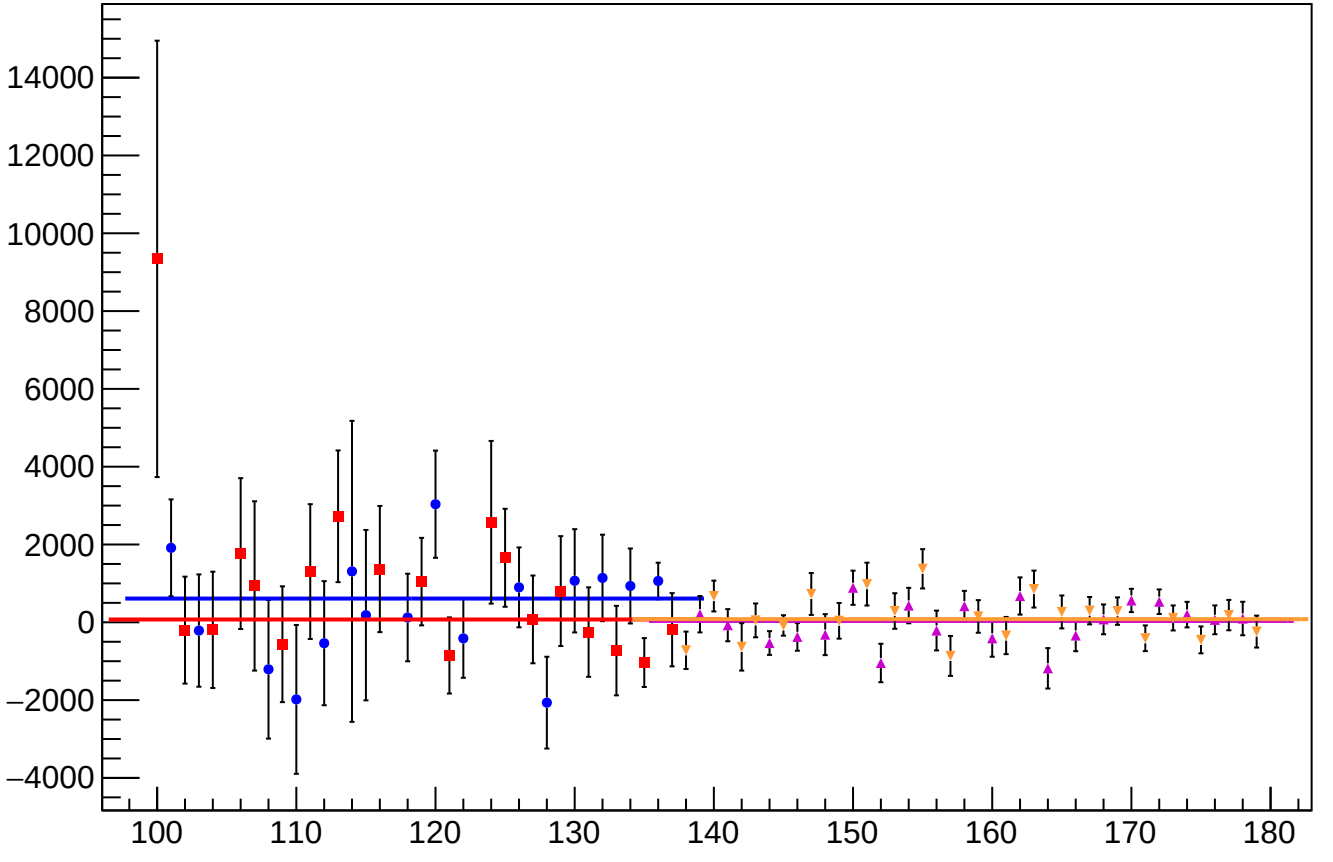
Left In: 62.313+/-0.011 χ^2/NDF:481176.9/19

+ sign 66.084+/-0.010 χ^2/NDF: 1876350.9/37

All: 66.266+/-0.007 χ^2/NDF: 3787980.4/76

- sign 66.458+/-0.010 χ^2/NDF: 1910897.6/38

asym_sam_15_26_dd_dit_correction_mean vs Slug



Right In: 610.383+/-273.982 χ^2/NDF: 15.8/15

Left Out: 80.638+/-86.684 χ^2/NDF:30.7/21

Right Out: 72.311+/-286.830 χ^2/NDF: 16.2/18

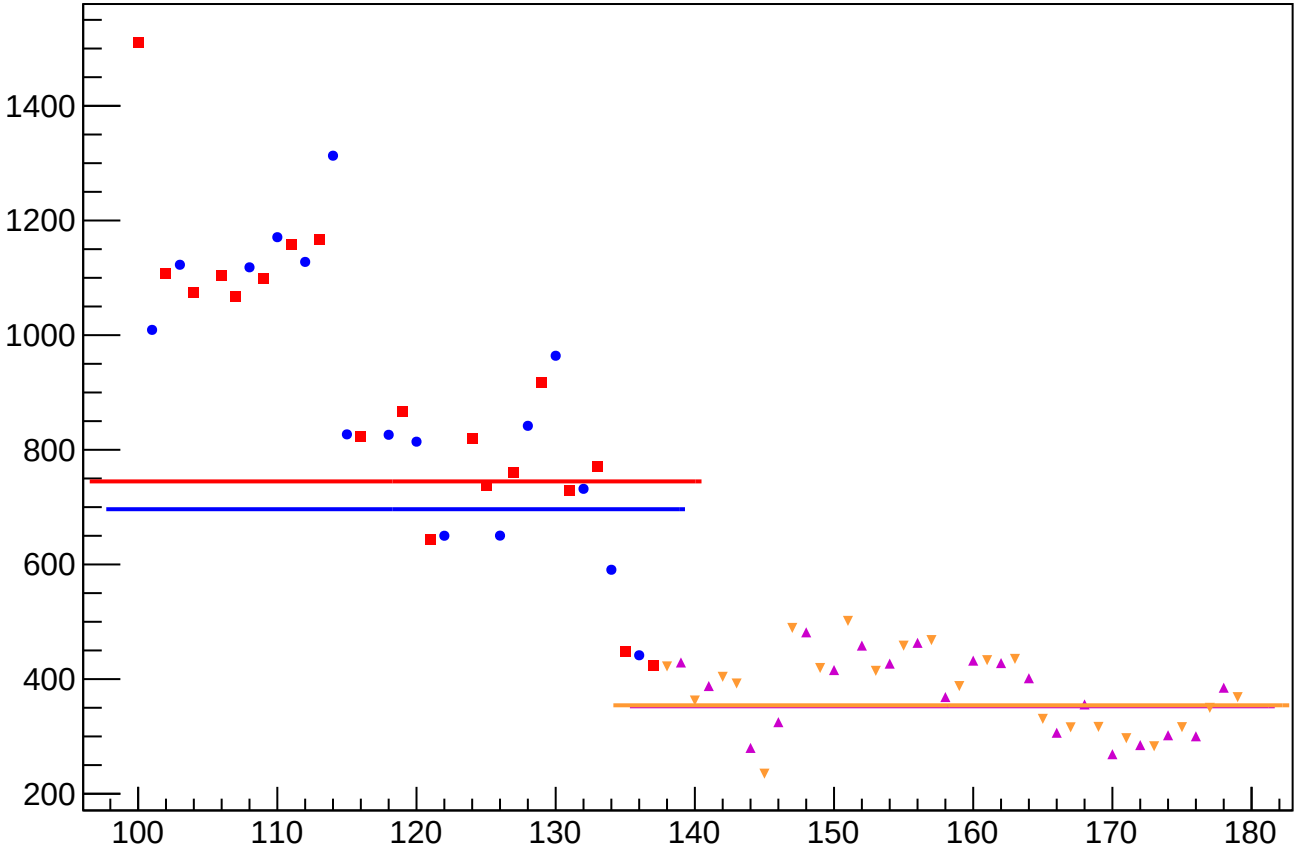
Left In: 35.908+/-89.218 χ^2/NDF:30.8/19

\+ sign 128.841+/-82.646 χ^2/NDF: 49.9/37

All: 85.341+/-59.319 χ^2/NDF: 97.5/76

\- sign 39.119+/-85.192 χ^2/NDF: 47.0/38

asym_sam_15_26_dd_dit_correction_rms vs Slug



Right In: 696.371+/-0.194 χ^2/NDF: 1515478.0/15

Left Out: 354.313+/-0.061 χ^2/NDF:1373269.1/21

Right Out: 744.875+/-0.203 χ^2/NDF: 1498361.7/18

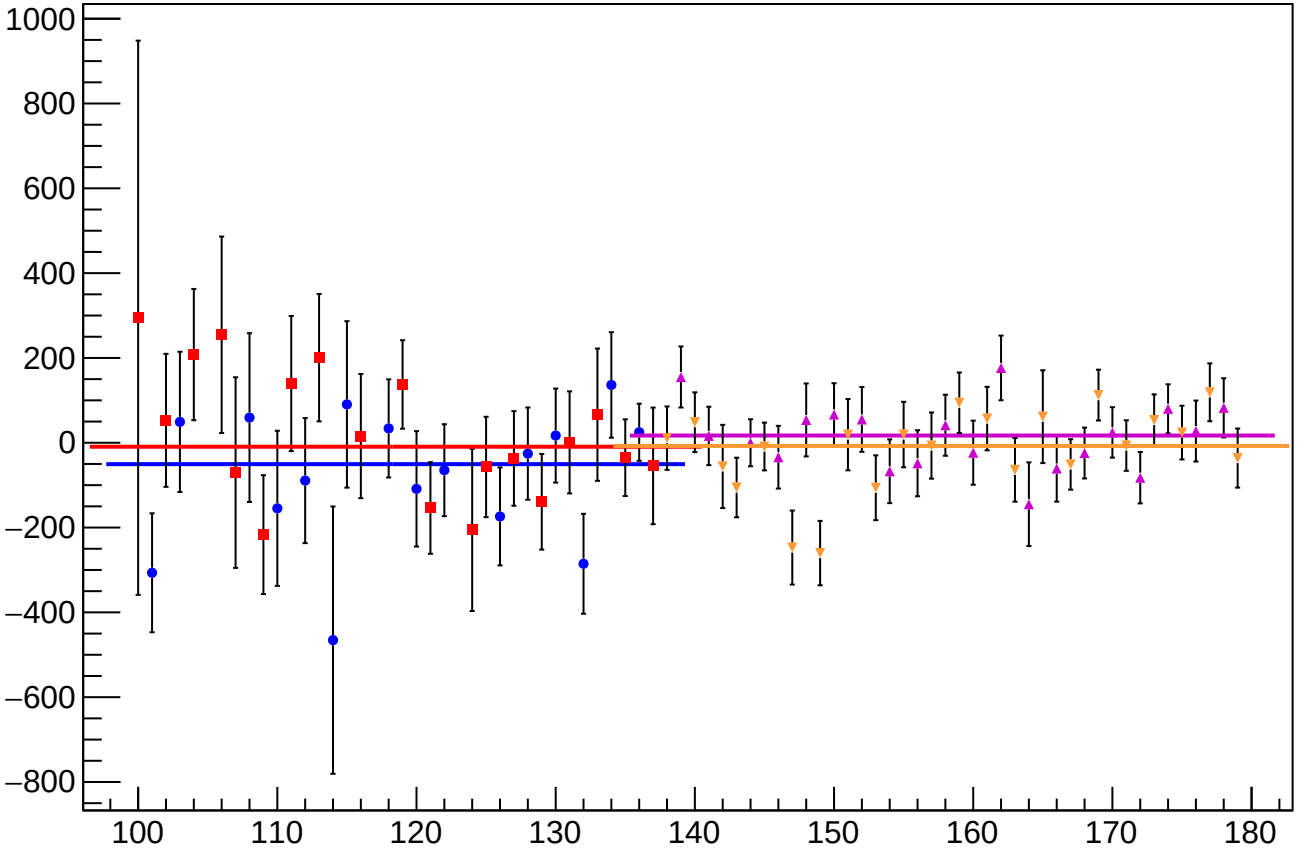
Left In: 352.553+/-0.063 χ^2/NDF:1092949.6/19

+ sign 385.438+/-0.058 χ^2/NDF: 5722438.7/37

All: 386.274+/-0.042 χ^2/NDF: 11725764.5/76

- sign 387.162+/-0.060 χ^2/NDF: 6002903.6/38

eigen_dit_asym_sam_15_26_dd_mean vs Slug



Right In: -50.466+/-31.061 χ^2/NDF: 16.4/15

Left Out: -7.544+/-15.123 χ^2/NDF:36.5/21

Right Out: -9.381+/-31.235 χ^2/NDF: 15.6/18

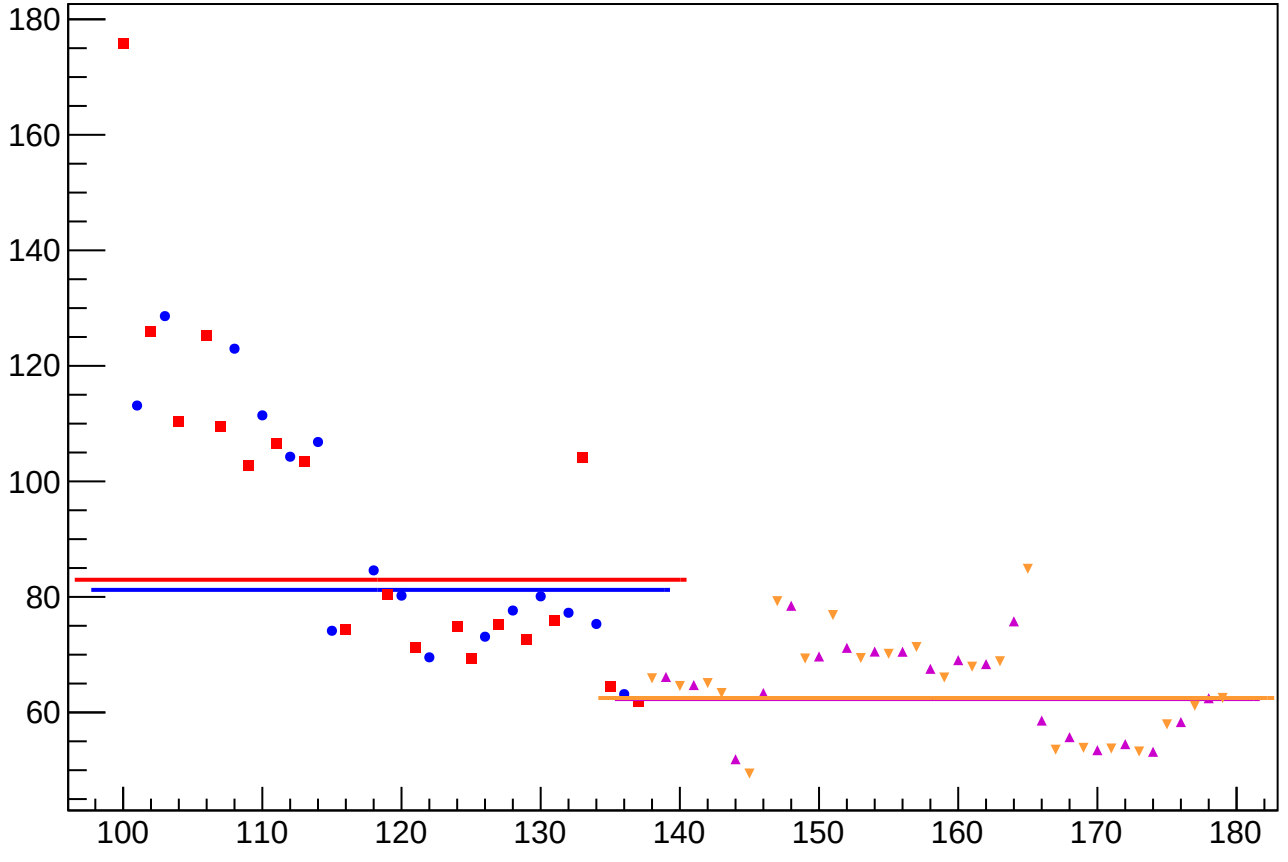
Left In: 17.004+/-15.649 χ^2/NDF:20.8/19

+ sign -15.769+/-13.597 χ^2/NDF: 54.5/37

All: -2.422+/-9.751 χ^2/NDF: 93.5/76

- sign 11.710+/-13.991 χ^2/NDF: 37.0/38

eigen_dit_asym_sam_15_26_dd_rms vs Slug



Right In: 81.218+/-0.022 χ^2/NDF: 662862.1/15

Left Out: 62.497+/-0.011 χ^2/NDF:626166.6/21

Right Out: 82.971+/-0.022 χ^2/NDF: 730375.6/18

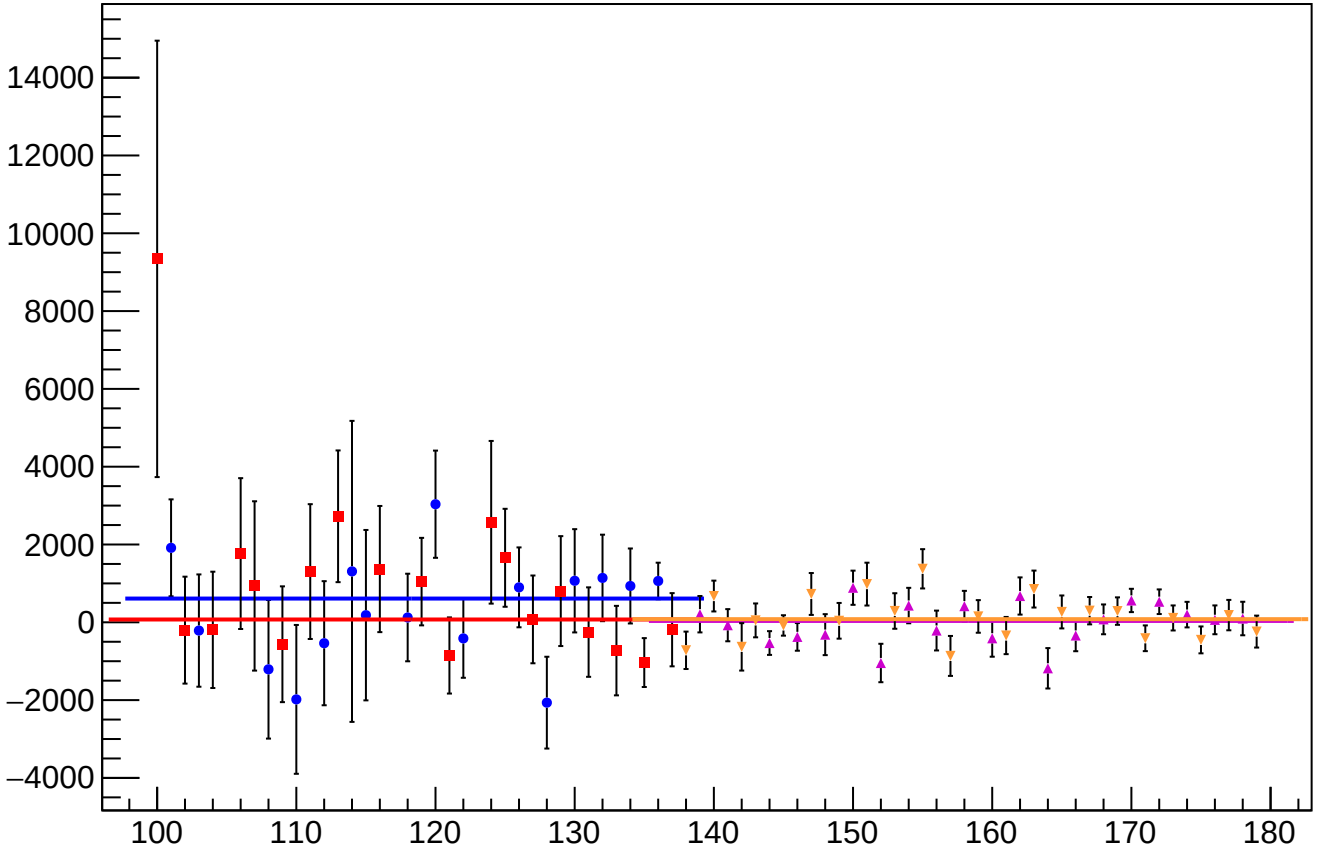
Left In: 62.313+/-0.011 χ^2/NDF:481169.5/19

+ sign 66.084+/-0.010 χ^2/NDF: 1876307.2/37

All: 66.266+/-0.007 χ^2/NDF: 3787892.6/76

- sign 66.458+/-0.010 χ^2/NDF: 1910853.2/38

asym_sam_15_26_dd_eigen_dit_correction_mean vs Slug



Right In: 610.382+/-273.981 χ^2/NDF: 15.8/15

Left Out: 80.639+/-86.684 χ^2/NDF:30.7/21

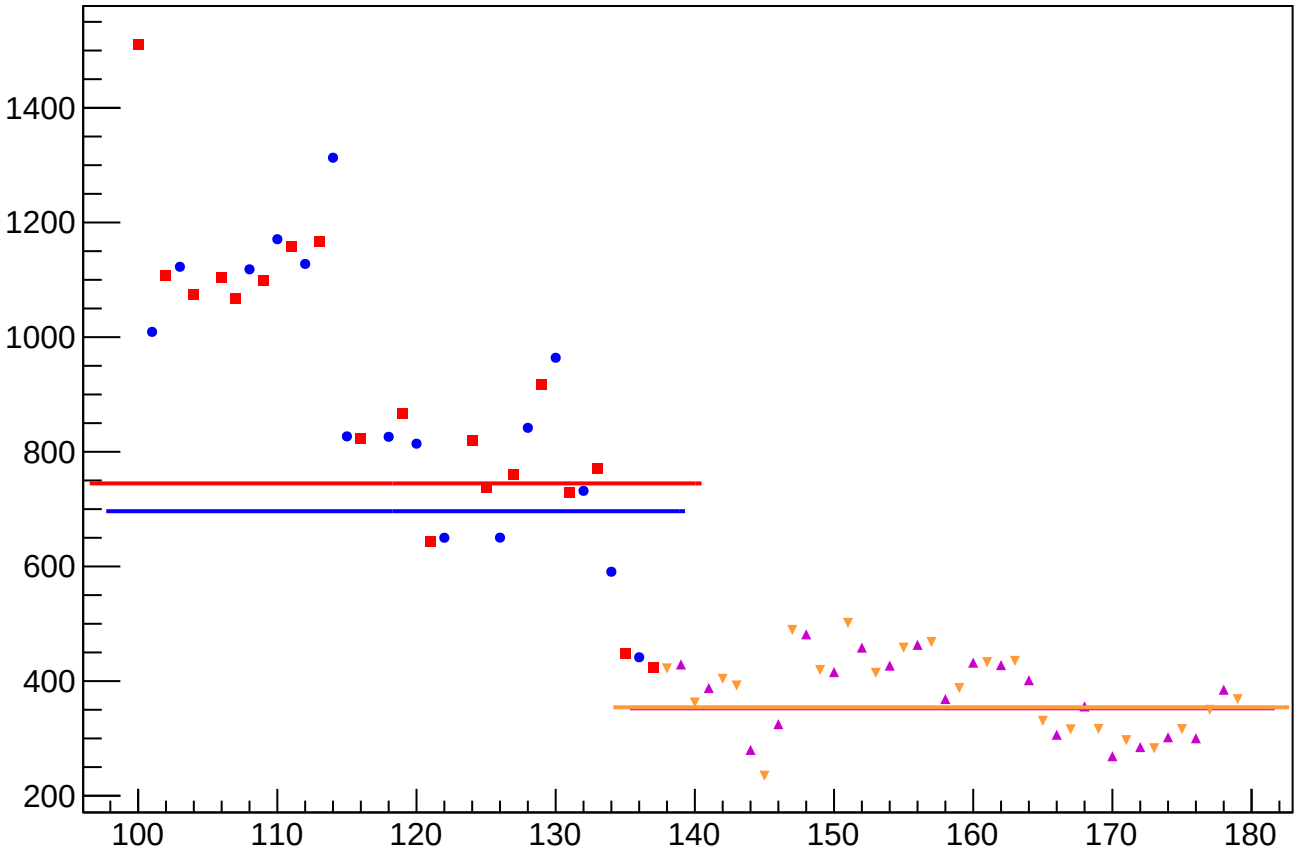
Right Out: 72.313+/-286.830 χ^2/NDF: 16.2/18

Left In: 35.908+/-89.219 χ^2/NDF:30.8/19

+ sign 128.842+/-82.646 χ^2/NDF: 49.9/37

All: 85.341+/-59.320 χ^2/NDF: 97.5/76

- sign 39.119+/-85.192 χ^2/NDF: 47.0/38



Right In: 696.370+/-0.194 χ^2/NDF: 1515461.8/15

Left Out: 354.314+/-0.061 χ^2/NDF:1373284.0/21

Right Out: 744.874+/-0.203 χ^2/NDF: 1498349.6/18

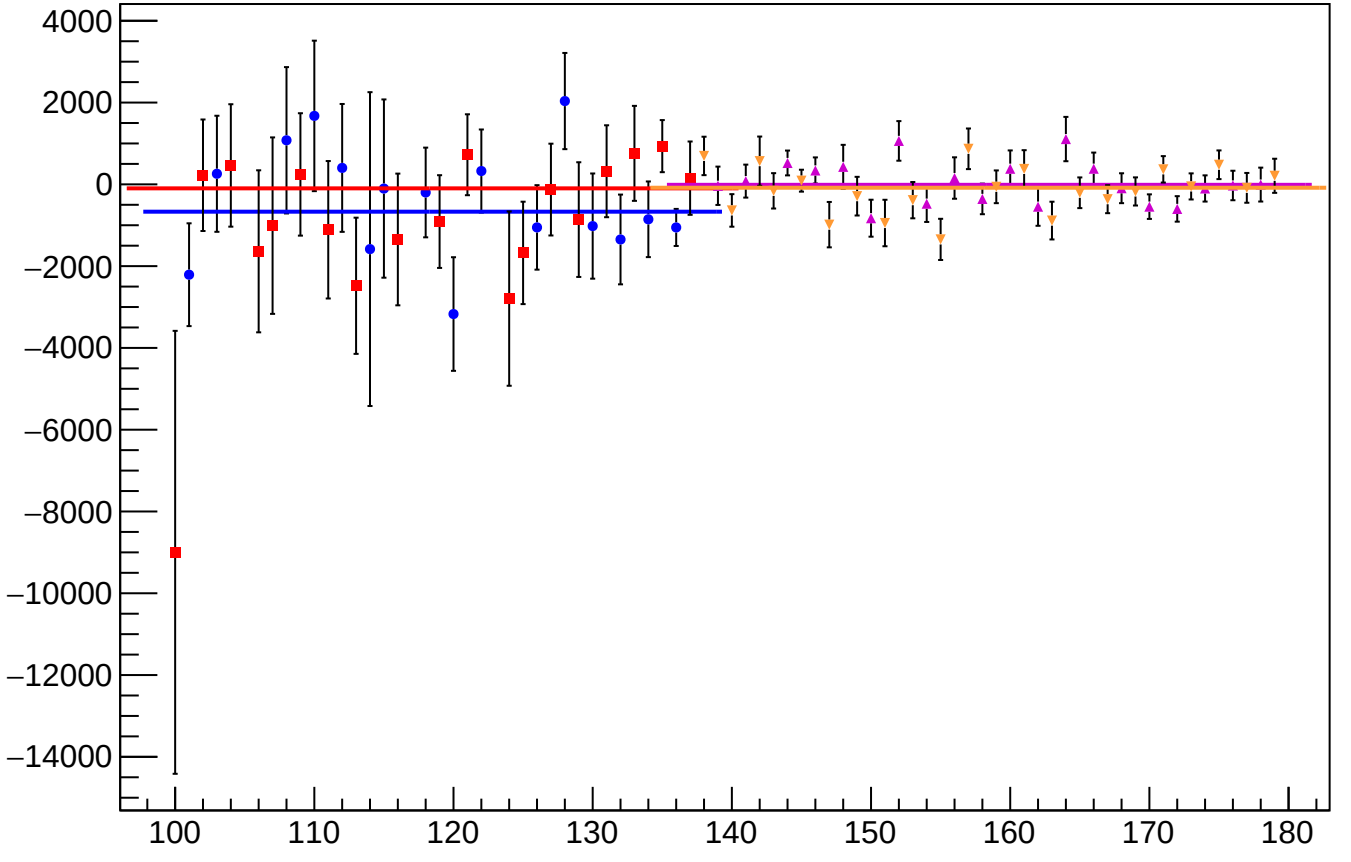
Left In: 352.553+/-0.063 χ^2/NDF:1092955.7/19

+ sign 385.438+/-0.058 χ^2/NDF: 5722427.7/37

All: 386.274+/-0.042 χ^2/NDF: 11725733.1/76

- sign 387.163+/-0.060 χ^2/NDF: 6002883.2/38

asym_sam_15_26_dd_mean vs Slug



Right In: -668.503+/-268.452 χ^2/NDF: 16.1/15

Left Out: -82.906+/-85.321 χ^2/NDF:31.8/21

Right Out: -98.003+/-285.882 χ^2/NDF: 14.8/18

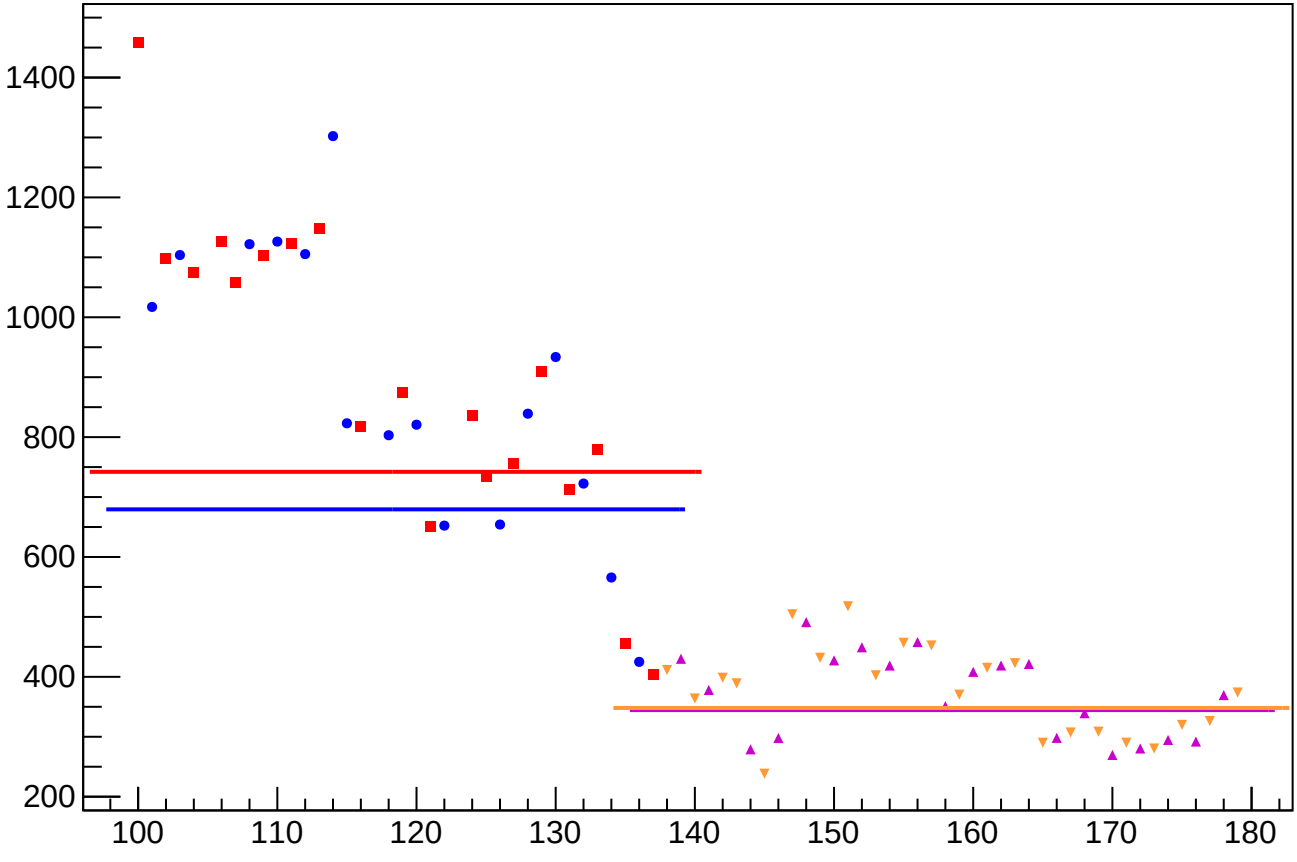
Left In: -11.567+/-87.205 χ^2/NDF:29.4/19

+ sign -136.632+/-81.313 χ^2/NDF: 52.2/37

All: -79.277+/-58.224 χ^2/NDF: 97.6/76

- sign -18.925+/-83.410 χ^2/NDF: 44.3/38

asym_sam_15_26_dd_rms vs Slug



Right In: 679.469+/-0.190 χ^2/NDF: 1600922.1/15

Left Out: 348.083+/-0.060 χ^2/NDF:1404098.1/21

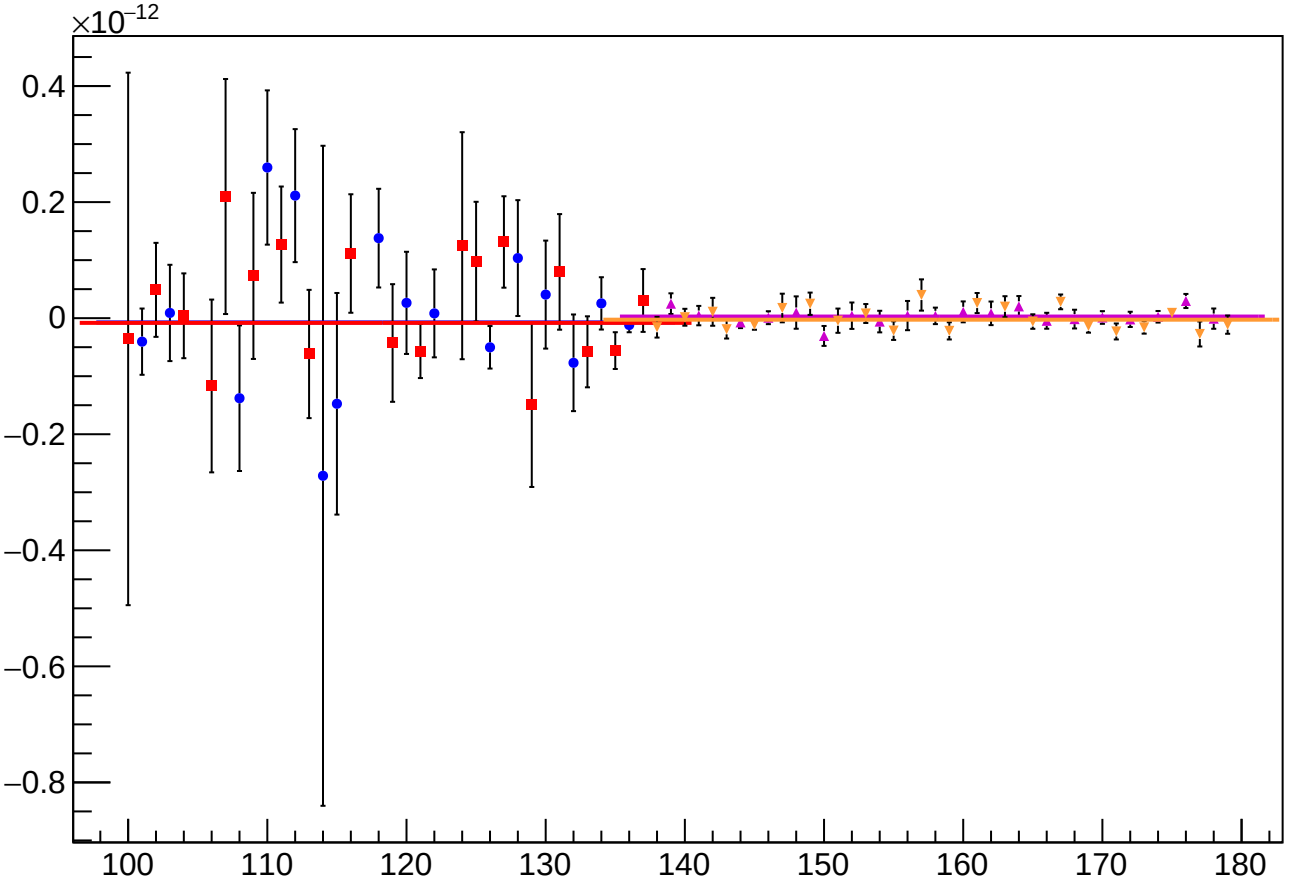
Right Out: 742.081+/-0.202 χ^2/NDF: 1504391.2/18

Left In: 344.536+/-0.062 χ^2/NDF:1148998.5/19

+ sign 378.486+/-0.057 χ^2/NDF: 5773055.7/37

All: 378.433+/-0.041 χ^2/NDF: 11964709.1/76

- sign 378.378+/-0.059 χ^2/NDF: 6191651.7/38



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:30.1/21

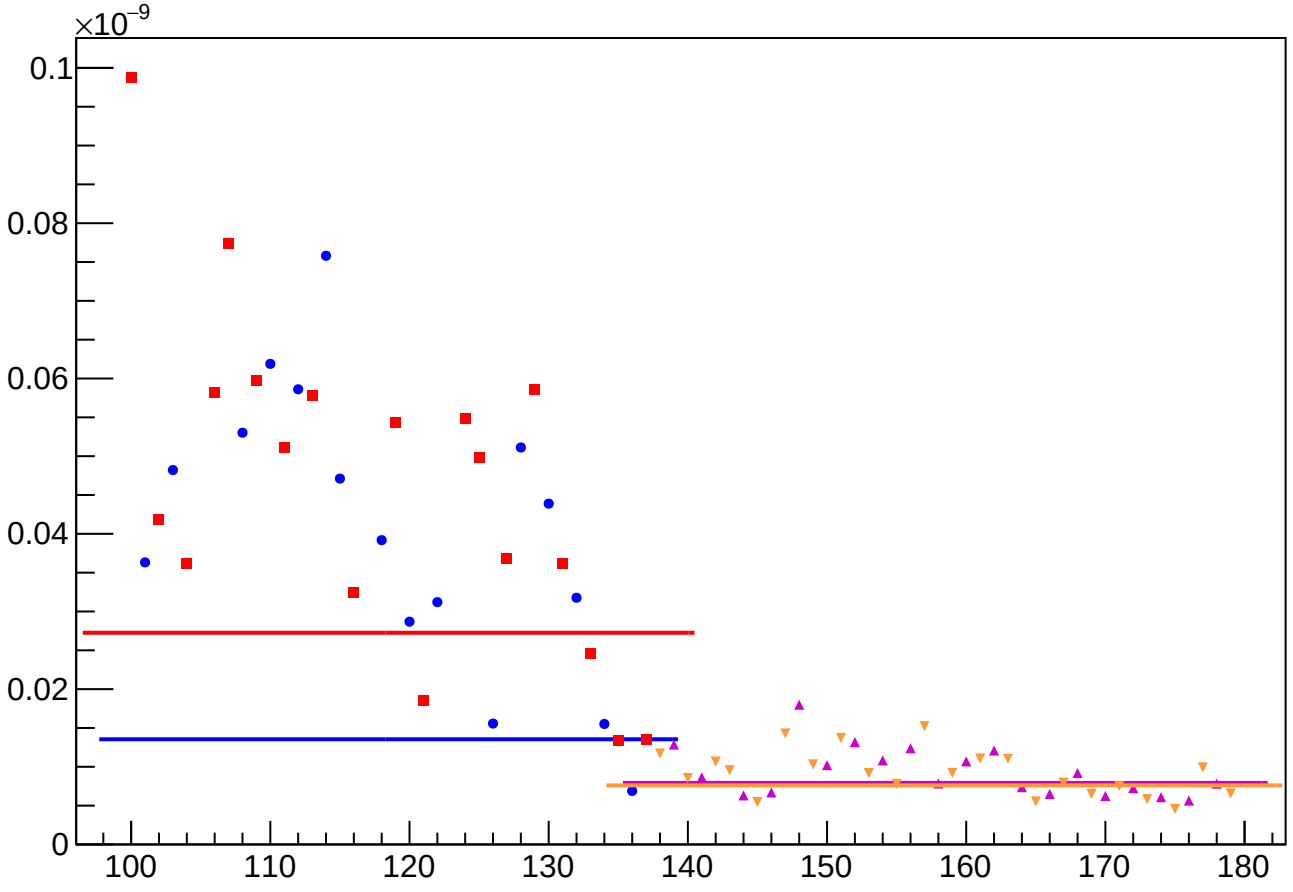
Right Out: -0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: 0.000+/-0.000 χ^2/NDF:13.4/19

+ sign -0.000+/-0.000 χ^2/NDF: 47.5/37

All: -0.000+/-0.000 χ^2/NDF: 79.8/76

- sign 0.000+/-0.000 χ^2/NDF: 30.8/38



Right In: 0.000+/-0.000 χ^2/NDF: 3045220.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1456805.3/21

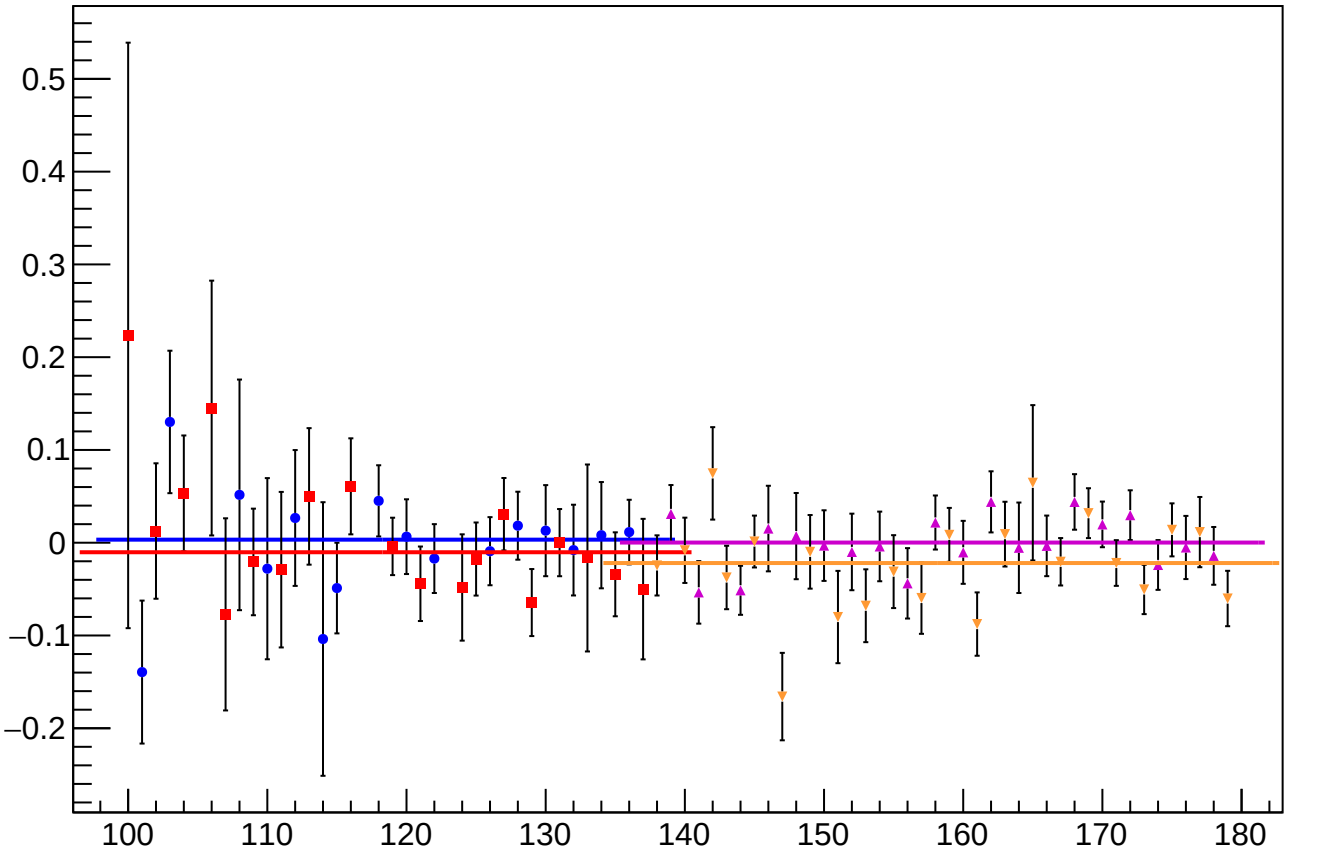
Right Out: 0.000+/-0.000 χ^2/NDF: 1735739.6/18

Left In: 0.000+/-0.000 χ^2/NDF:1107543.4/19

+ sign 0.000+/-0.000 χ^2/NDF: 5097800.0/37

All: 0.000+/-0.000 χ^2/NDF: 10378690.7/76

- sign 0.000+/-0.000 χ^2/NDF: 5251320.9/38



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.022+/-0.007 χ^2/NDF:33.8/21

Right Out: -0.010+/-0.012 χ^2/NDF: 11.2/18

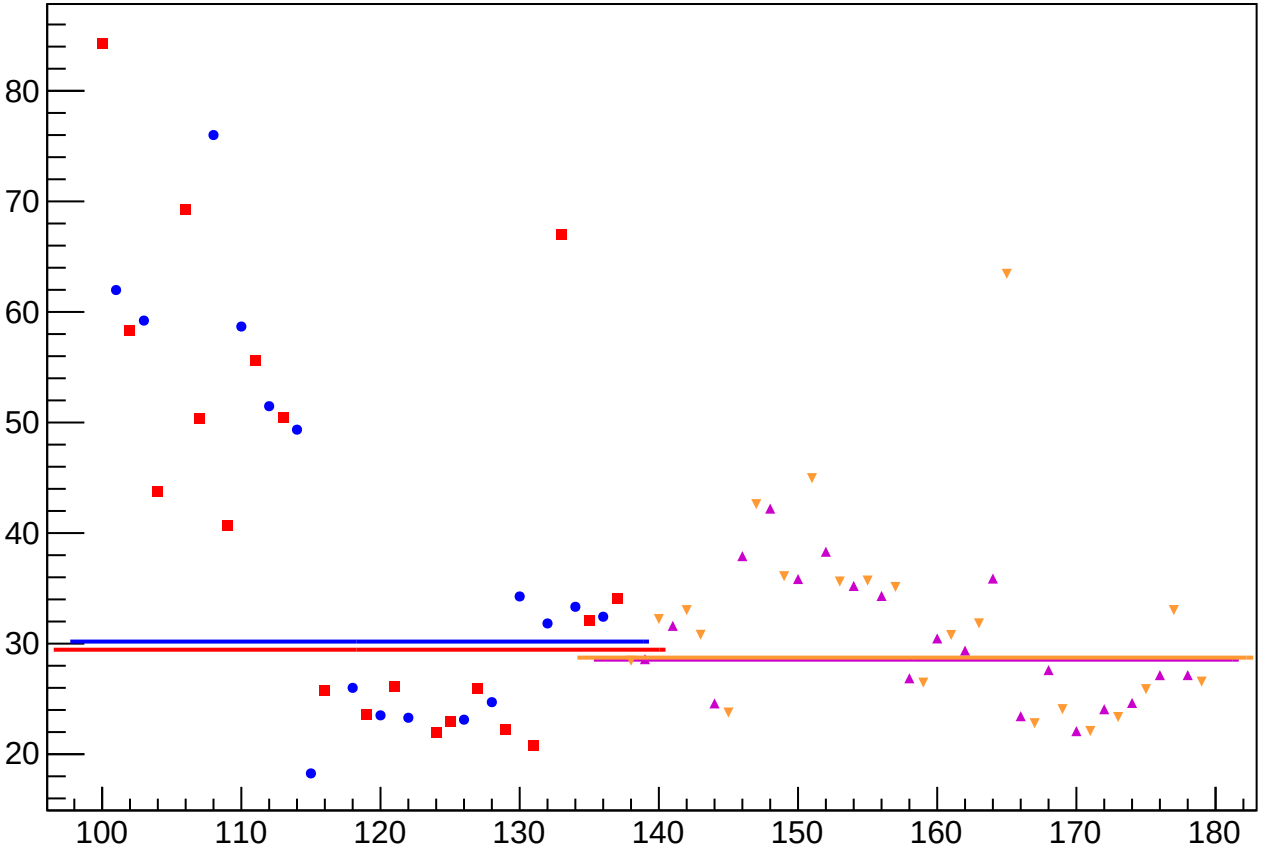
Left In: 0.000+/-0.007 χ^2/NDF:16.3/19

+ sign -0.016+/-0.006 χ^2/NDF: 47.1/37

All: -0.009+/-0.004 χ^2/NDF: 77.4/76

- sign -0.003+/-0.006 χ^2/NDF: 28.1/38

asym_sam_15_26_dd_dit_vs_cor_diff_rms vs Slug



Right In: 30.187+/-0.009 χ^2/NDF: 1687373.5/15

Left Out: 28.734+/-0.005 χ^2/NDF:1569456.7/21

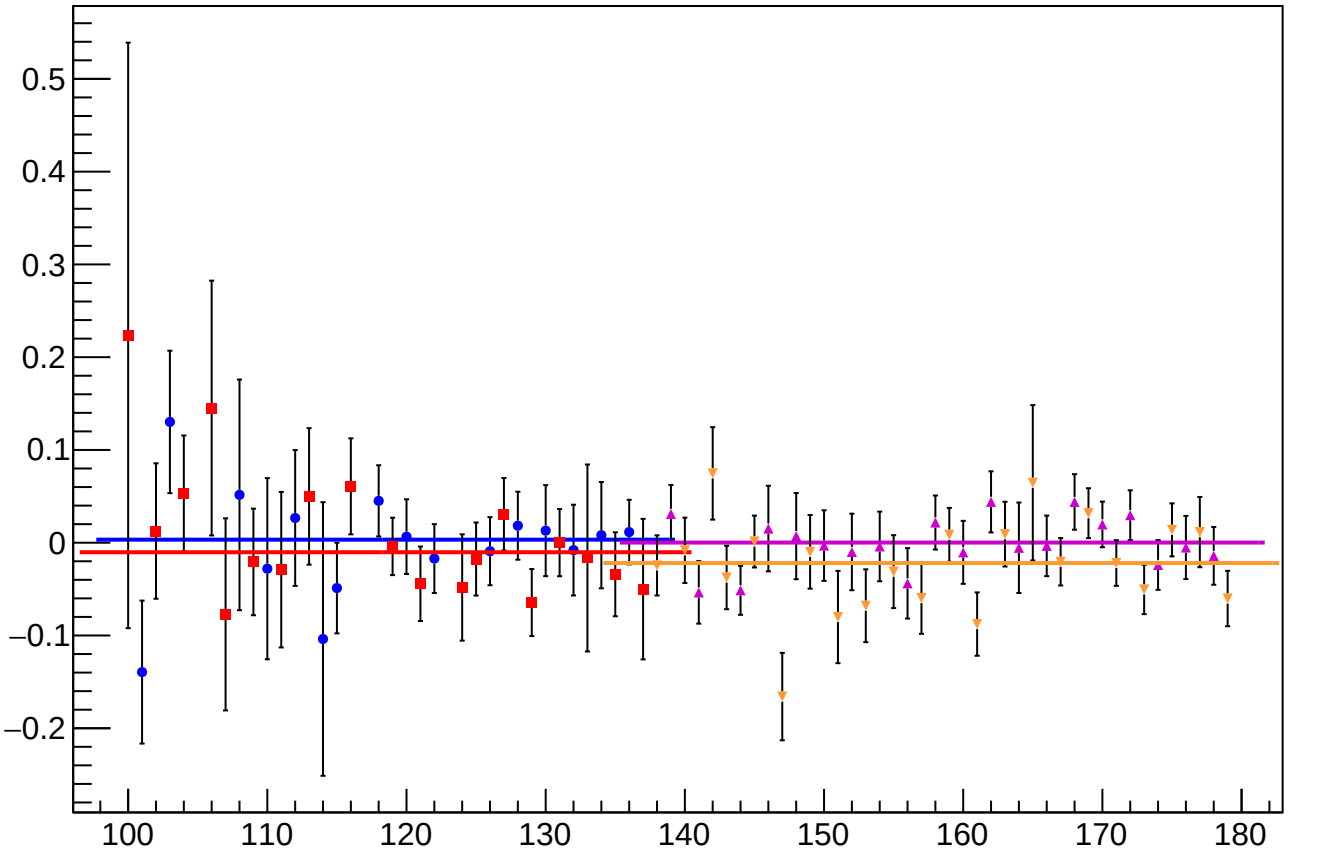
Right Out: 29.451+/-0.008 χ^2/NDF: 1848636.5/18

Left In: 28.550+/-0.005 χ^2/NDF:965676.2/19

+ sign 29.099+/-0.004 χ^2/NDF: 3277774.0/37

All: 28.951+/-0.003 χ^2/NDF: 6102845.6/76

- sign 28.800+/-0.004 χ^2/NDF: 2822727.5/38



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.022+/-0.007 χ^2/NDF:33.8/21

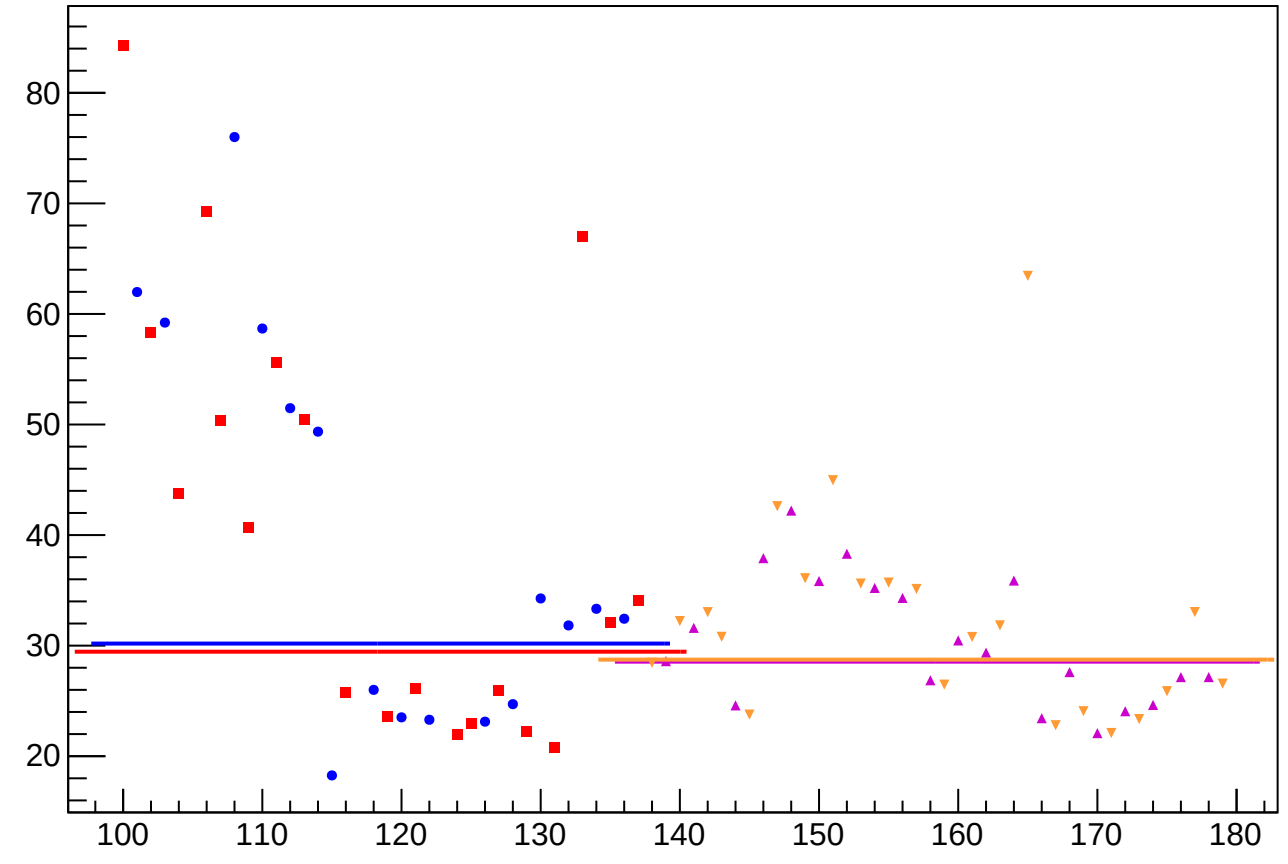
Right Out: -0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: 0.000+/-0.007 χ^2/NDF:16.3/19

+ sign -0.016+/-0.006 χ^2/NDF: 47.1/37

All: -0.009+/-0.004 χ^2/NDF: 77.4/76

- sign -0.003+/-0.006 χ^2/NDF: 28.1/38



Right In: 30.187+/-0.009 χ^2/NDF: 1687373.5/15

Left Out: 28.734+/-0.005 χ^2/NDF:1569456.7/21

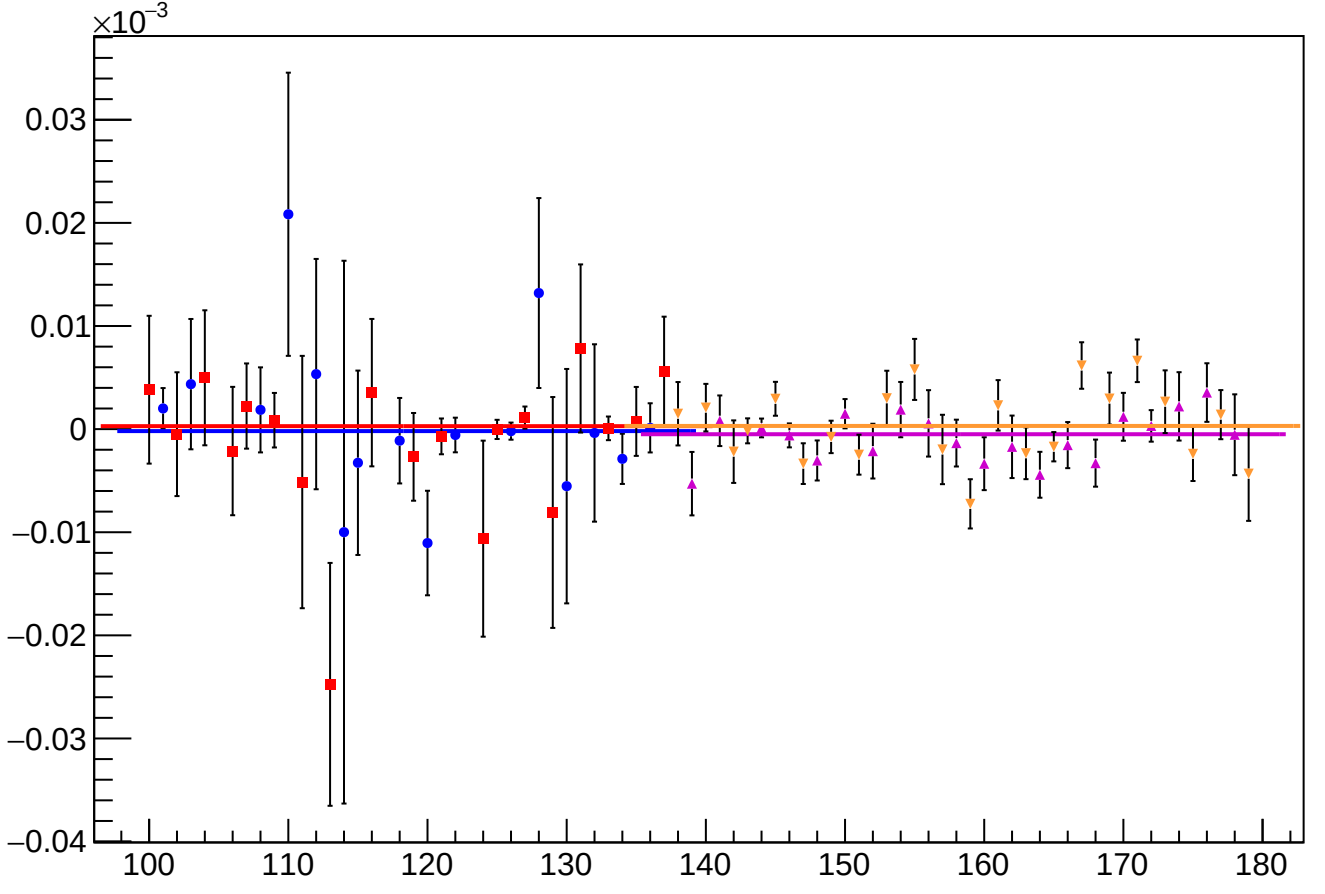
Right Out: 29.451+/-0.008 χ^2/NDF: 1848636.5/18

Left In: 28.550+/-0.005 χ^2/NDF:965676.2/19

\+ sign 29.099+/-0.004 χ^2/NDF: 3277774.0/37

All: 28.951+/-0.003 χ^2/NDF: 6102845.6/76

\- sign 28.800+/-0.004 χ^2/NDF: 2822727.5/38



Right In: -0.000+/-0.000 χ^2/NDF: 13.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:48.9/21

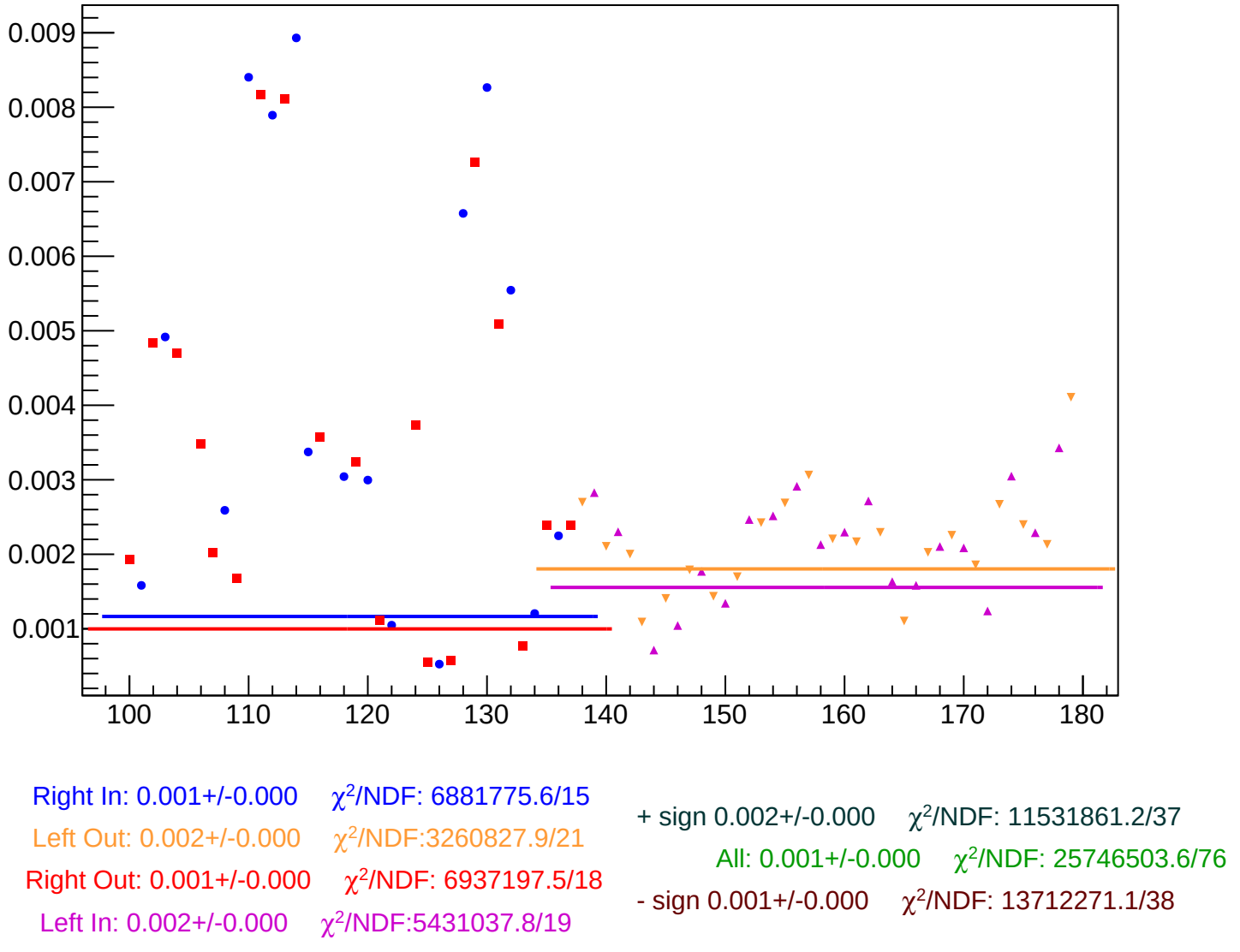
Right Out: 0.000+/-0.000 χ^2/NDF: 11.4/18

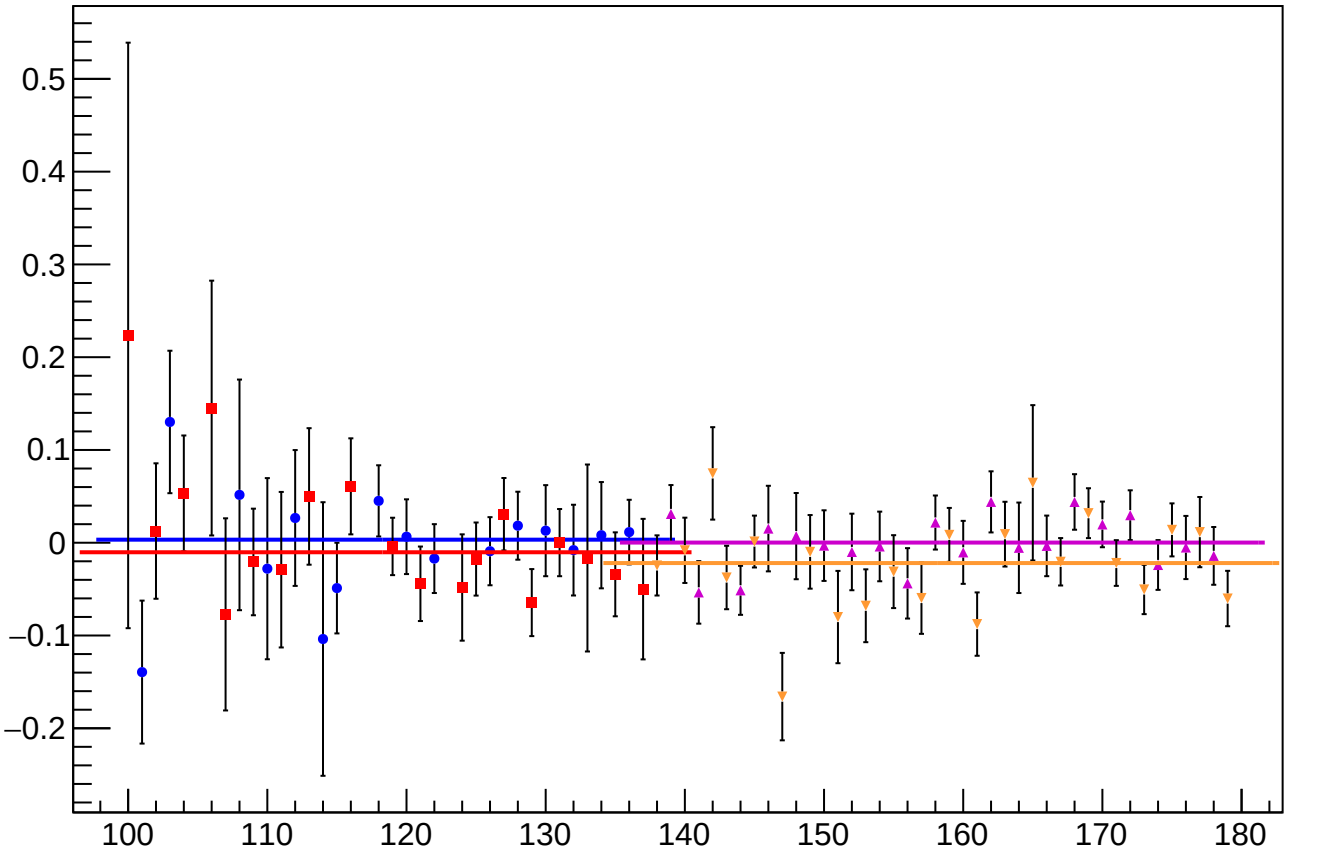
Left In: -0.000+/-0.000 χ^2/NDF:18.0/19

+ sign 0.000+/-0.000 χ^2/NDF: 62.4/37

All: -0.000+/-0.000 χ^2/NDF: 93.6/76

- sign -0.000+/-0.000 χ^2/NDF: 30.8/38


asym_sam_15_26_dd_eigen_dit_vs_dit_diff_rms vs Slug
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
180
Right In: 0.001+/-0.000 χ²/NDF: 6881775.6/15
Left Out: 0.002+/-0.000 χ²/NDF:3260827.9/21
Right Out: 0.001+/-0.000 χ²/NDF: 6937197.5/18
Left In: 0.002+/-0.000 χ²/NDF:5431037.8/19
+ sign 0.002+/-0.000 χ²/NDF: 11531861.2/37
All: 0.001+/-0.000 χ²/NDF: 25746503.6/76
- sign 0.001+/-0.000 χ²/NDF: 13712271.1/38



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.022+/-0.007 χ^2/NDF:33.8/21

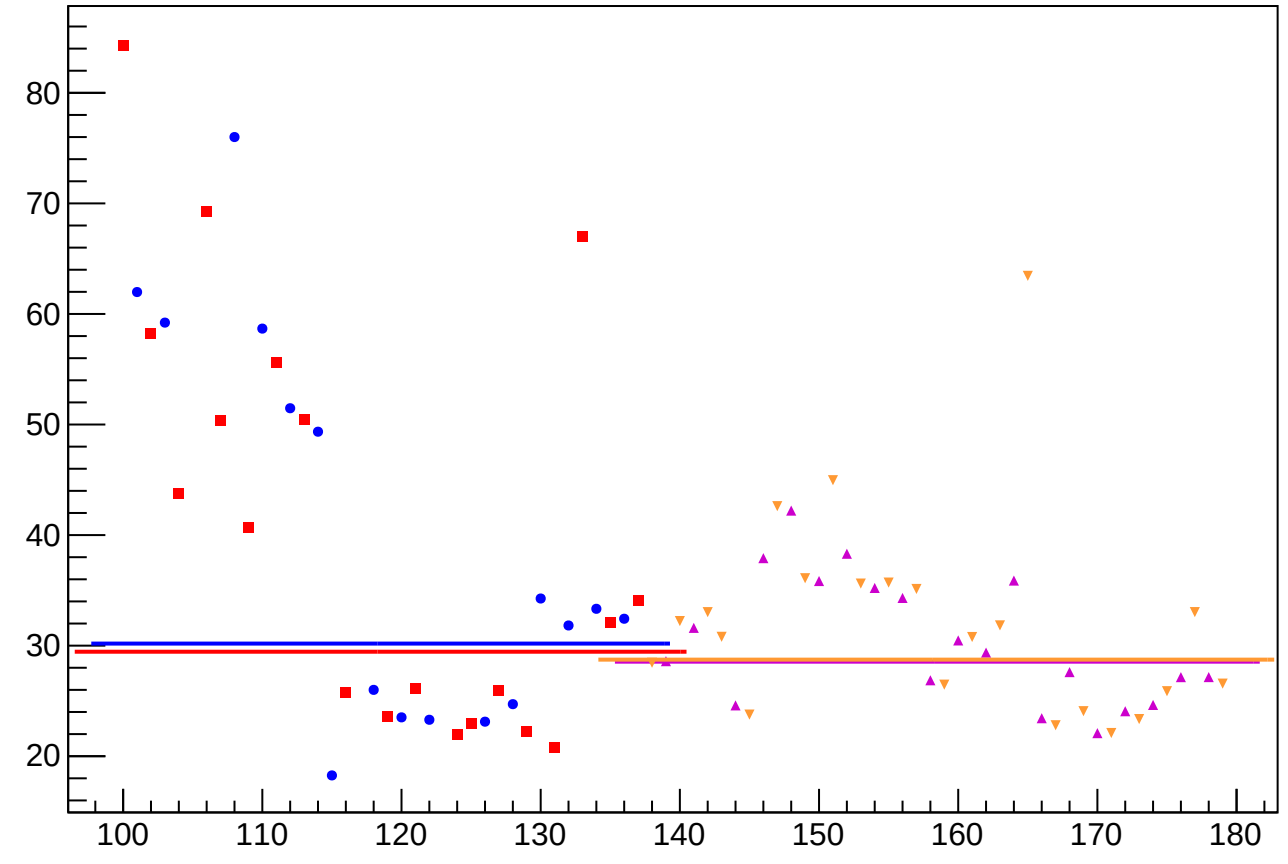
Right Out: -0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: 0.000+/-0.007 χ^2/NDF:16.3/19

+ sign -0.016+/-0.006 χ^2/NDF: 47.1/37

All: -0.009+/-0.004 χ^2/NDF: 77.4/76

- sign -0.003+/-0.006 χ^2/NDF: 28.1/38



Right In: 30.187+/-0.009 χ^2/NDF: 1687188.2/15

Left Out: 28.735+/-0.005 χ^2/NDF:1569426.5/21

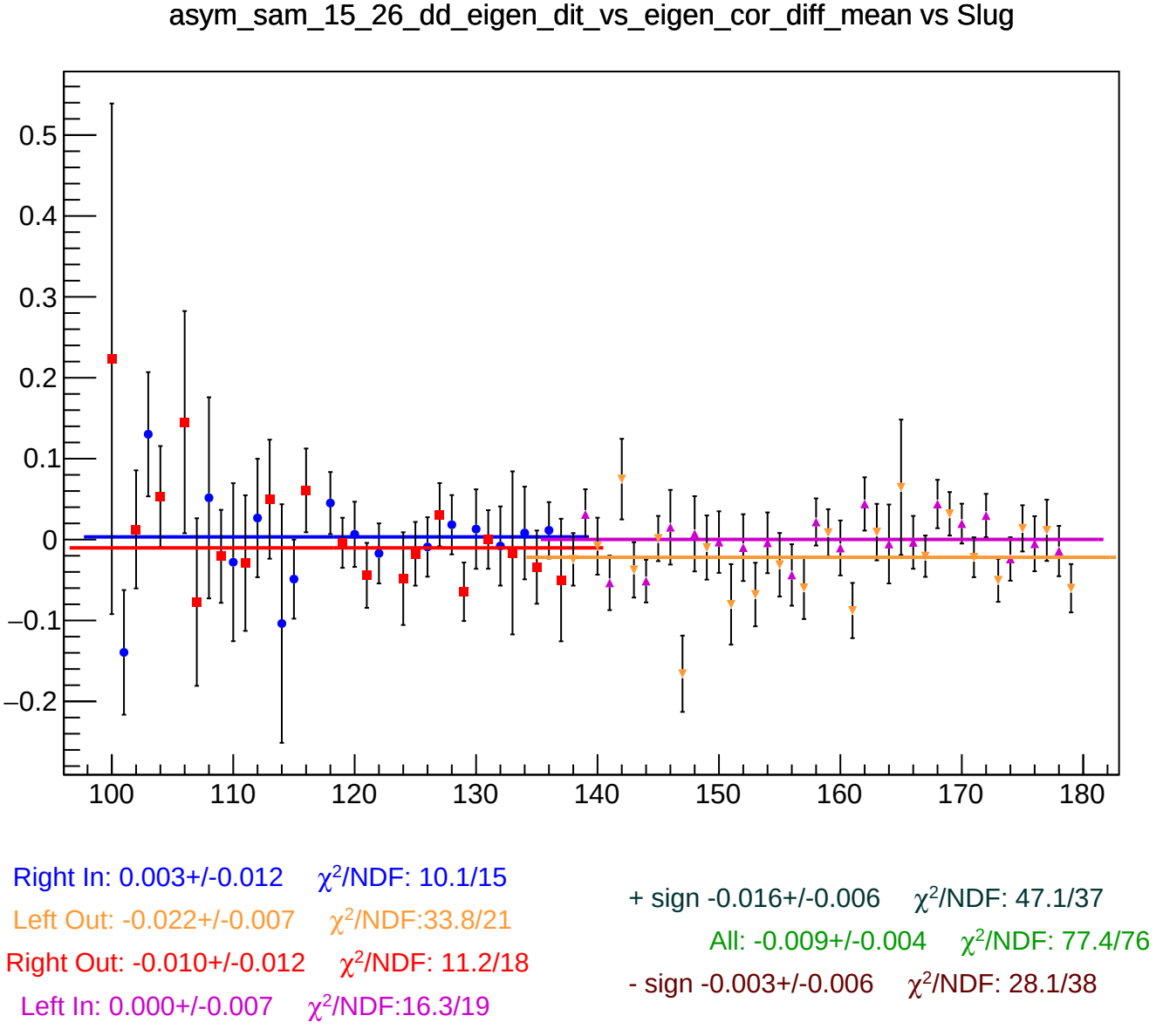
Right Out: 29.451+/-0.008 χ^2/NDF: 1848632.6/18

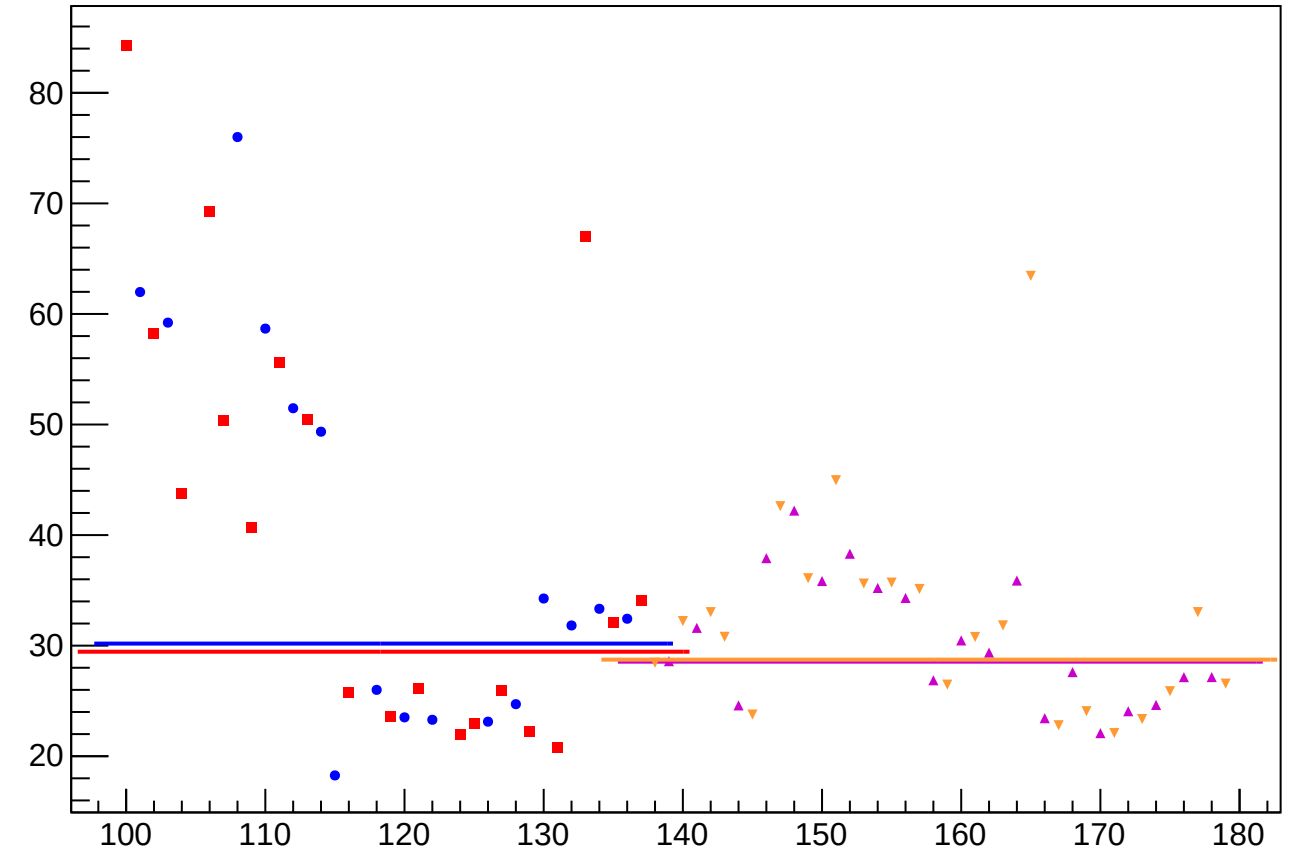
Left In: 28.551+/-0.005 χ^2/NDF:965638.7/19

+ sign 29.099+/-0.004 χ^2/NDF: 3277556.4/37

All: 28.951+/-0.003 χ^2/NDF: 6102572.3/76

- sign 28.800+/-0.004 χ^2/NDF: 2822670.7/38


asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
100
110
120
130
140
150
160
170
180
Right In: 0.003+/-0.012 χ²/NDF: 10.1/15
Left Out: -0.022+/-0.007 χ²/NDF:33.8/21
Right Out: -0.010+/-0.012 χ²/NDF: 11.2/18
Left In: 0.000+/-0.007 χ²/NDF:16.3/19
+ sign -0.016+/-0.006 χ²/NDF: 47.1/37
All: -0.009+/-0.004 χ²/NDF: 77.4/76
- sign -0.003+/-0.006 χ²/NDF: 28.1/38



Right In: 30.187+/-0.009 χ^2/NDF: 1687188.2/15

Left Out: 28.735+/-0.005 χ^2/NDF:1569426.5/21

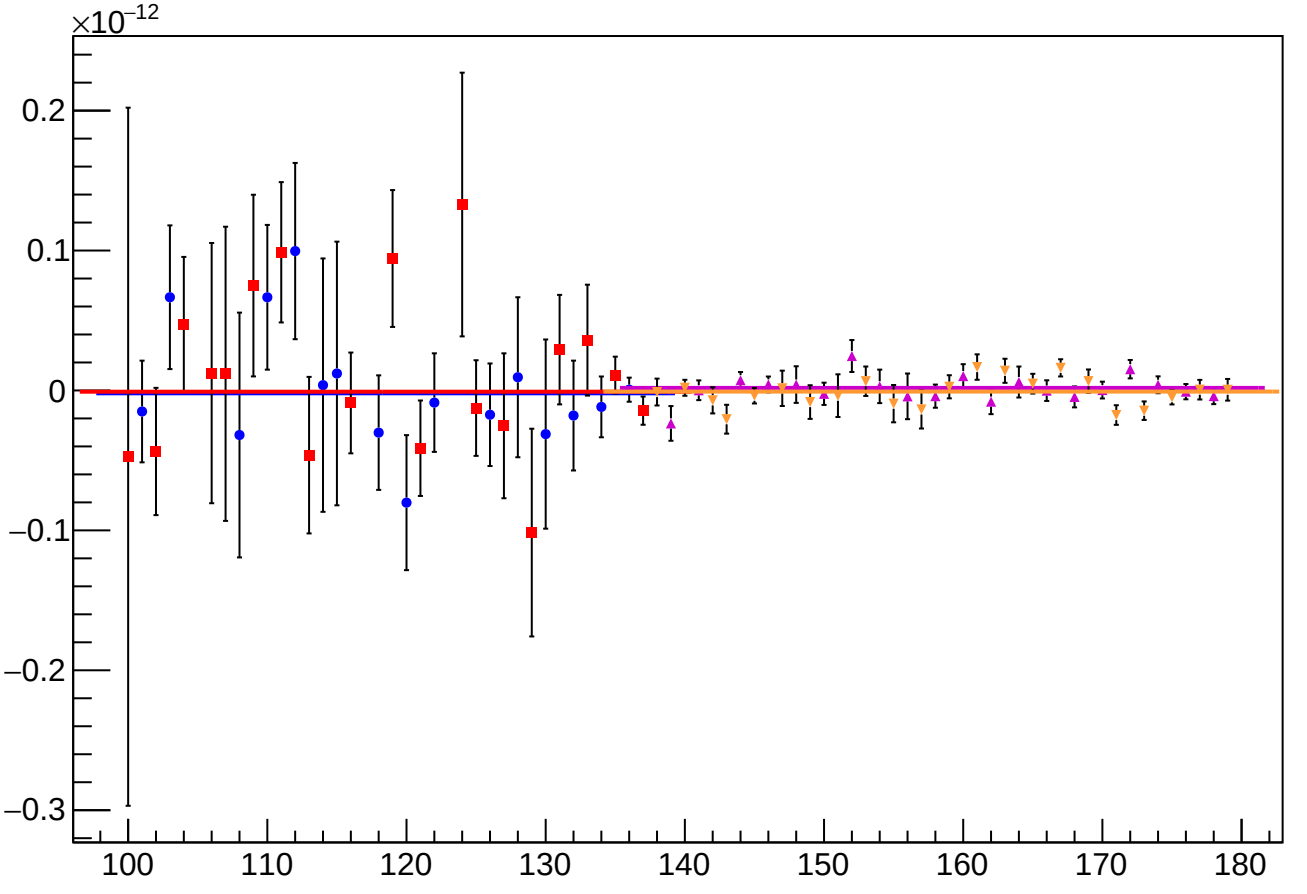
Right Out: 29.451+/-0.008 χ^2/NDF: 1848632.6/18

Left In: 28.551+/-0.005 χ^2/NDF:965638.7/19

\+ sign 29.099+/-0.004 χ^2/NDF: 3277556.4/37

All: 28.951+/-0.003 χ^2/NDF: 6102572.3/76

\- sign 28.800+/-0.004 χ^2/NDF: 2822670.7/38



Right In: -0.000+/-0.000 χ^2/NDF: 10.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:33.5/21

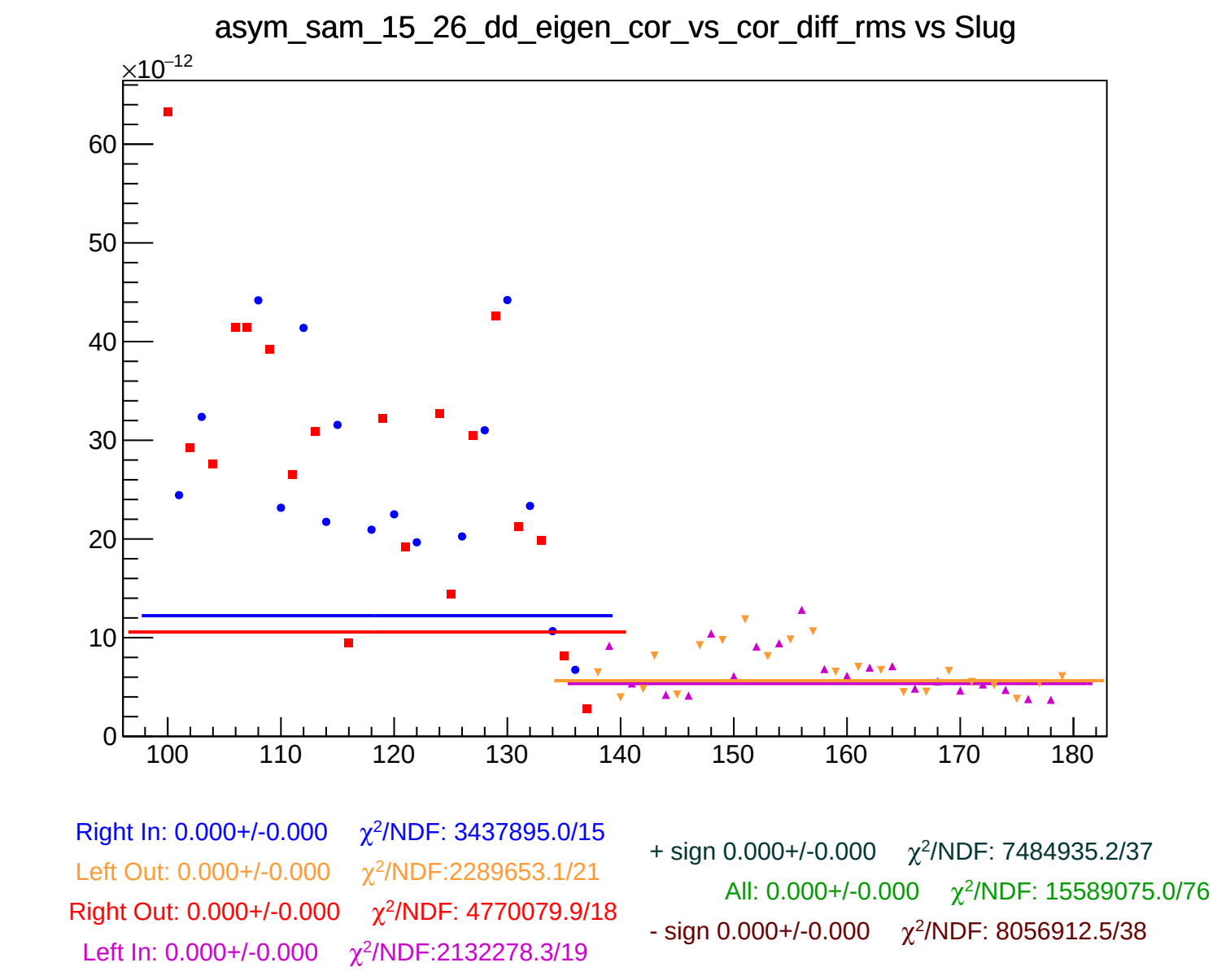
Right Out: -0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: 0.000+/-0.000 χ^2/NDF:19.0/19

+ sign -0.000+/-0.000 χ^2/NDF: 43.9/37

All: 0.000+/-0.000 χ^2/NDF: 85.7/76

- sign 0.000+/-0.000 χ^2/NDF: 40.6/38


asym_sam_15_26_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
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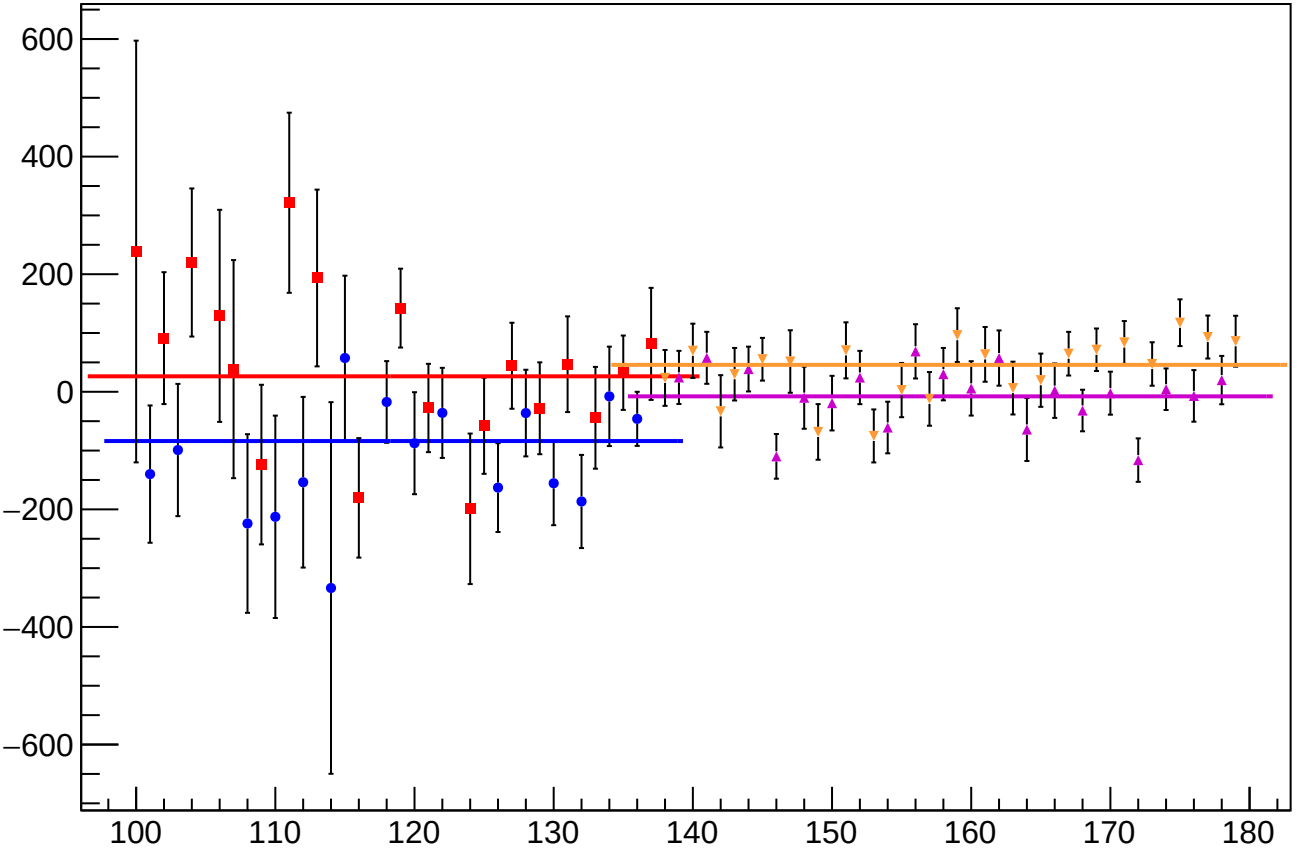
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 3437895.0/15
Left Out: 0.000+/-0.000 χ²/NDF:2289653.1/21
Right Out: 0.000+/-0.000 χ²/NDF: 4770079.9/18
Left In: 0.000+/-0.000 χ²/NDF:2132278.3/19
+ sign 0.000+/-0.000 χ²/NDF: 7484935.2/37
All: 0.000+/-0.000 χ²/NDF: 15589075.0/76
- sign 0.000+/-0.000 χ²/NDF: 8056912.5/38

reg_asym_sam_37_26_dd_mean vs Slug



Right In: -83.808+/-21.434 χ^2/NDF: 10.5/15

Left Out: 45.773+/-9.156 χ^2/NDF:28.2/21

Right Out: 26.301+/-22.067 χ^2/NDF: 23.0/18

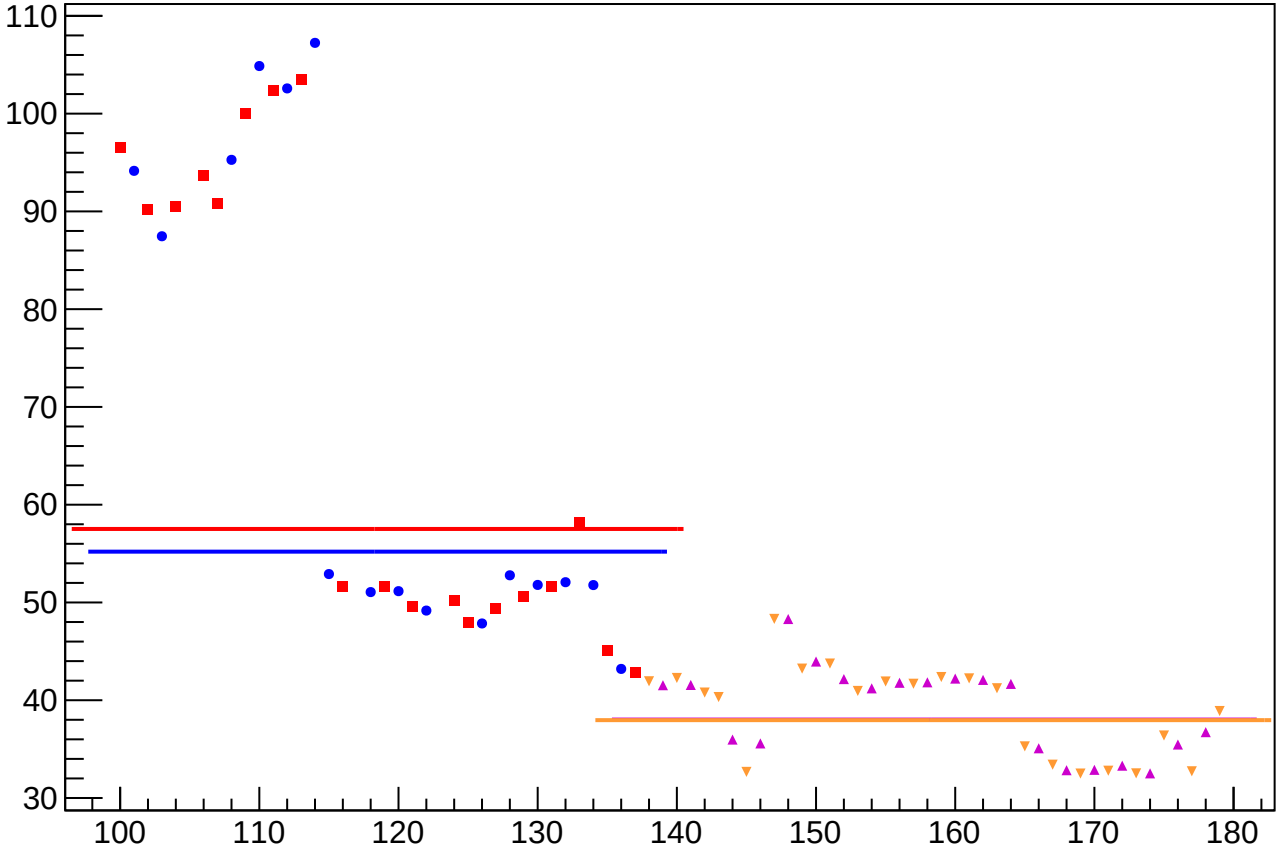
Left In: -7.763+/-9.488 χ^2/NDF:29.7/19

+ sign 25.778+/-8.420 χ^2/NDF: 69.7/37

All: 12.153+/-6.056 χ^2/NDF: 129.8/76

- sign -2.448+/-8.716 χ^2/NDF: 54.7/38

reg_asym_sam_37_26_dd_rms vs Slug



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.1/15

Left Out: 37.963+/-0.006 χ^2/NDF:508150.5/21

Right Out: 57.519+/-0.016 χ^2/NDF: 1281793.1/18

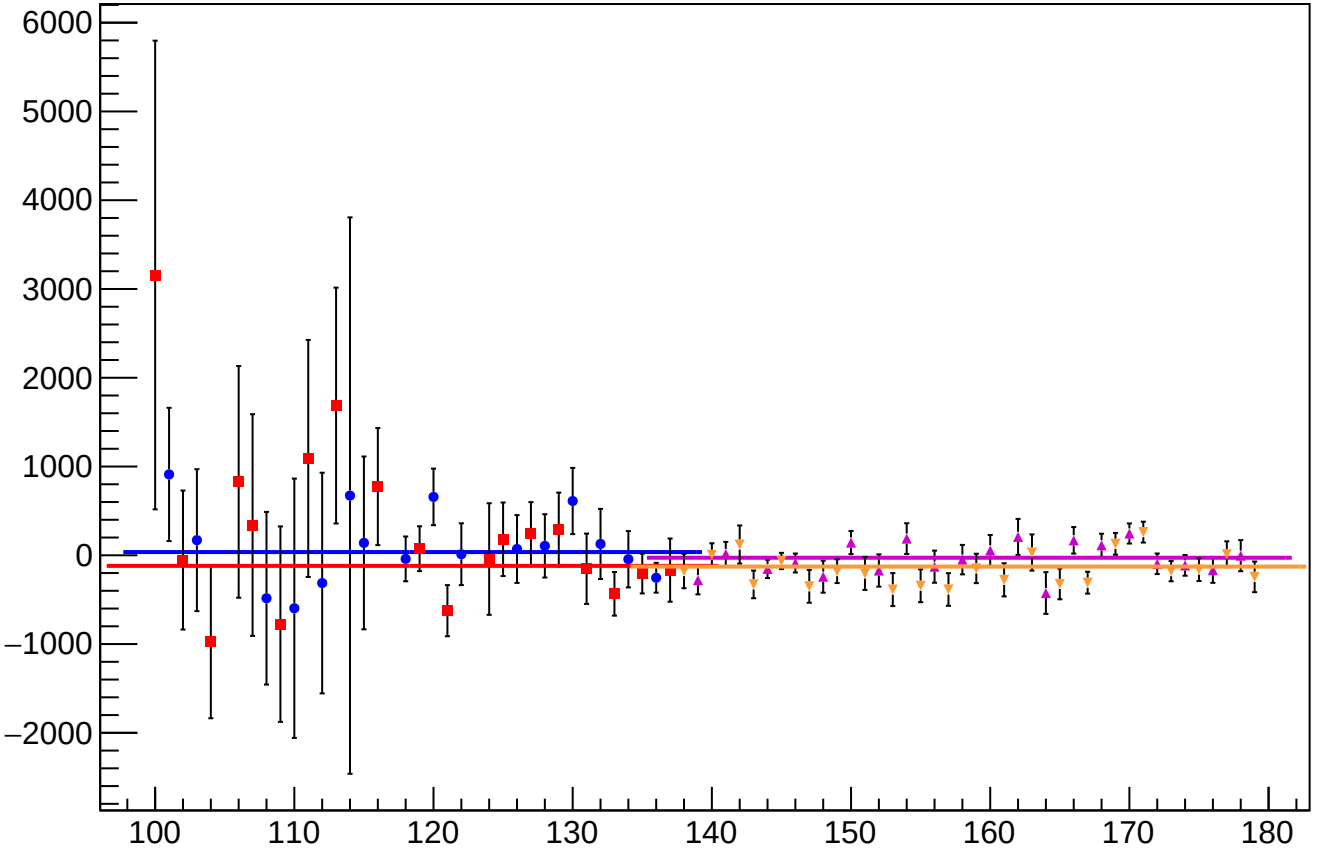
Left In: 38.023+/-0.007 χ^2/NDF:423393.2/19

+ sign 40.622+/-0.006 χ^2/NDF: 2754287.2/37

All: 40.836+/-0.004 χ^2/NDF: 5779679.4/76

- sign 41.065+/-0.006 χ^2/NDF: 3022720.9/38

asym_sam_37_26_dd_reg_correction_mean vs Slug



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -127.188+/-31.397 χ^2/NDF:33.2/21

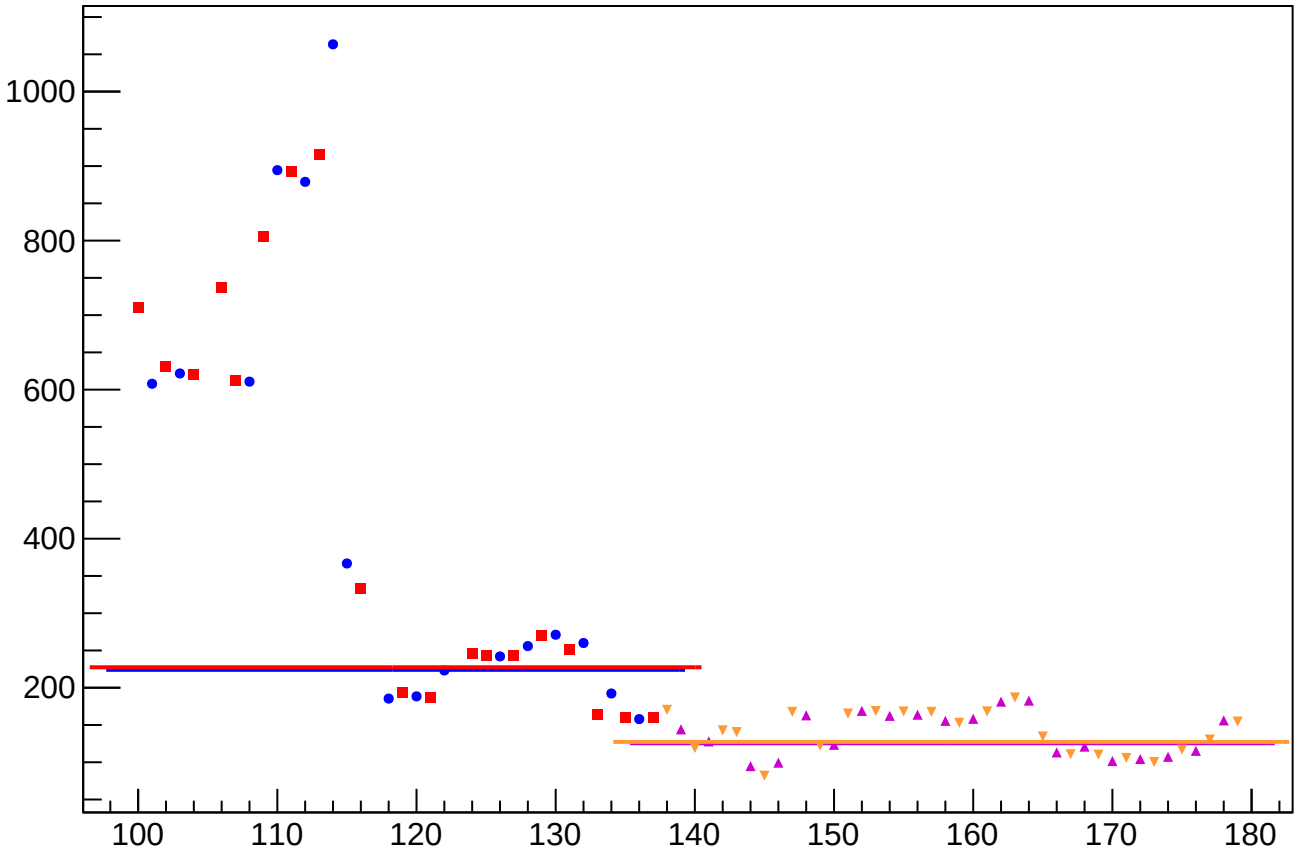
Right Out: -119.166+/-95.833 χ^2/NDF: 16.0/18

Left In: -27.585+/-31.929 χ^2/NDF:25.0/19

+ sign -110.639+/-29.766 χ^2/NDF: 47.3/37

All: -74.334+/-21.231 χ^2/NDF: 92.2/76

- sign -36.735+/-30.292 χ^2/NDF: 41.9/38



Right In: 224.042+/-0.066 χ^2/NDF: 2968054.7/15

Left Out: 127.365+/-0.022 χ^2/NDF:1734386.5/21

Right Out: 227.451+/-0.068 χ^2/NDF: 3640634.3/18

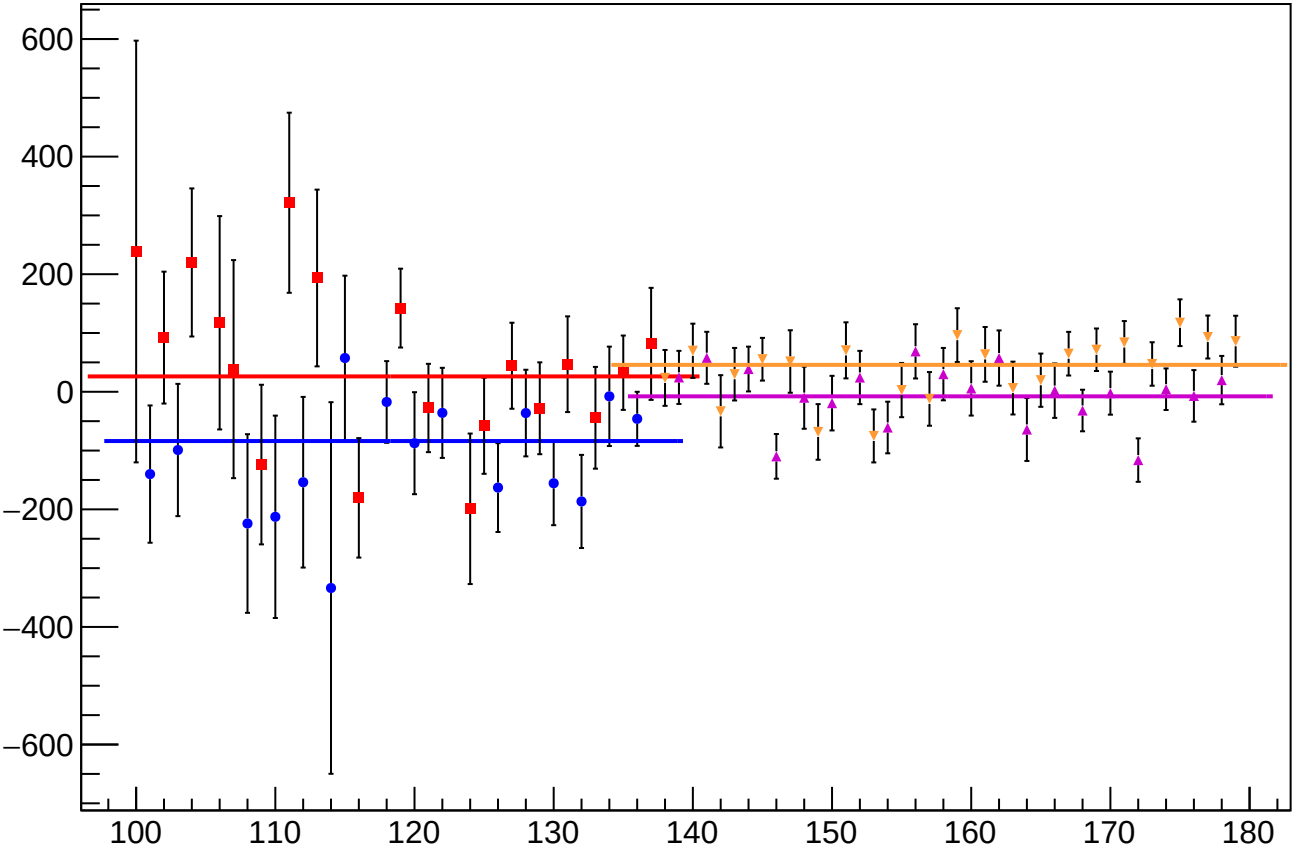
Left In: 125.469+/-0.023 χ^2/NDF:1402387.2/19

+ sign 137.149+/-0.021 χ^2/NDF: 6621667.6/37

All: 136.417+/-0.015 χ^2/NDF: 13705746.8/76

- sign 135.658+/-0.021 χ^2/NDF: 7081611.9/38

cor_asym_sam_37_26_dd_mean vs Slug



Right In: -83.805+/-21.434 χ^2/NDF: 10.5/15

Left Out: 45.774+/-9.156 χ^2/NDF:28.2/21

Right Out: 26.142+/-22.069 χ^2/NDF: 22.9/18

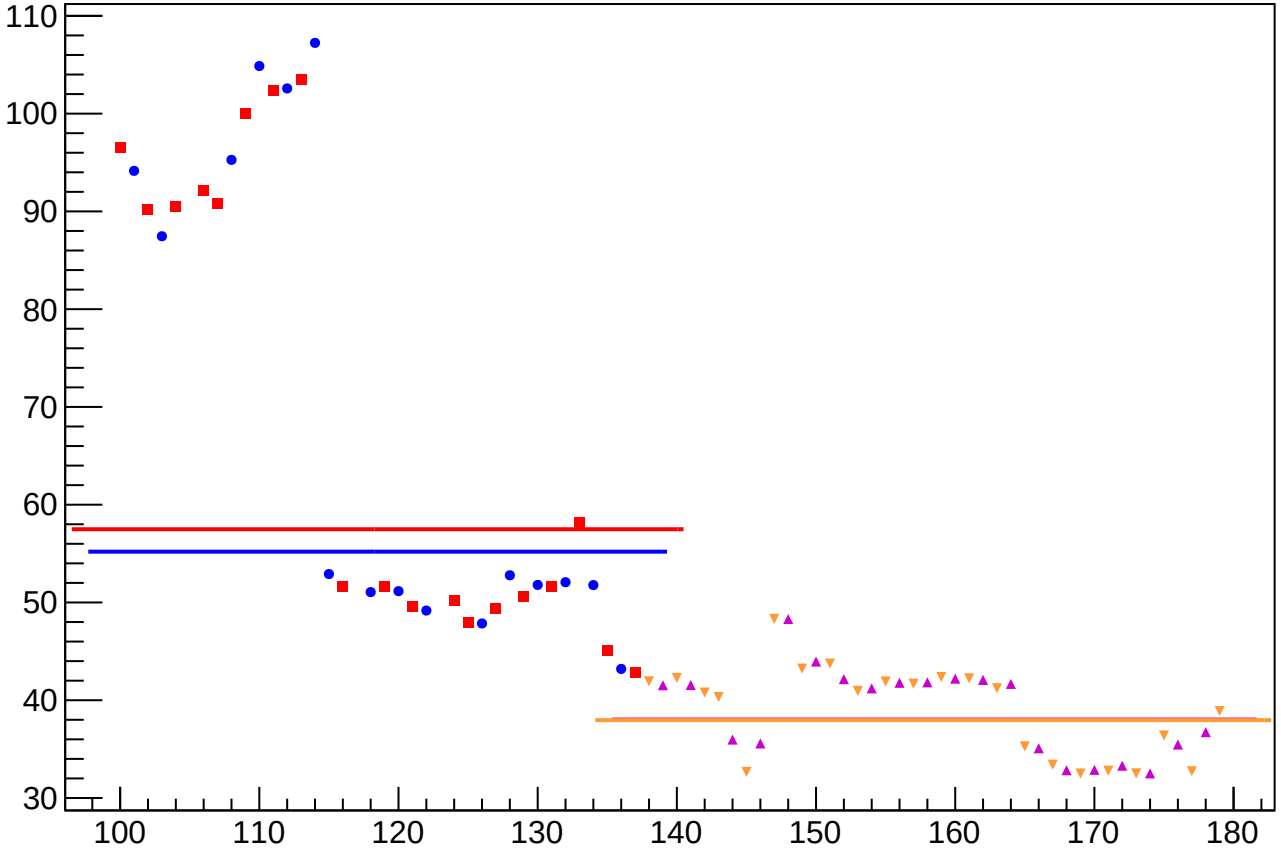
Left In: -7.763+/-9.488 χ^2/NDF:29.7/19

+ sign 25.780+/-8.420 χ^2/NDF: 69.7/37

All: 12.142+/-6.056 χ^2/NDF: 129.7/76

- sign -2.474+/-8.716 χ^2/NDF: 54.6/38

cor_asym_sam_37_26_dd_rms vs Slug



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.3/15

Left Out: 37.963+/-0.006 χ^2/NDF:508150.5/21

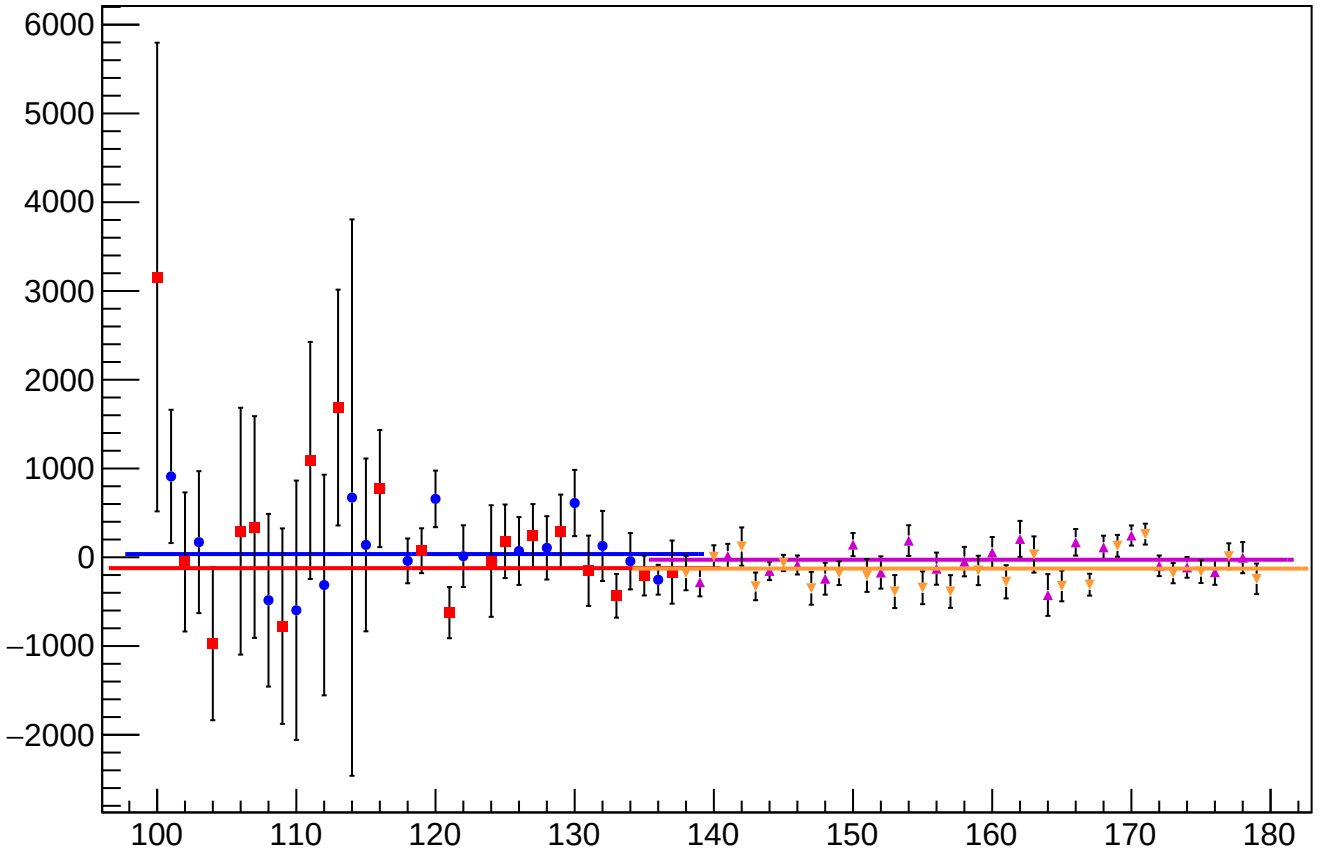
Right Out: 57.490+/-0.016 χ^2/NDF: 1274387.3/18

Left In: 38.023+/-0.007 χ^2/NDF:423393.2/19

+ sign 40.622+/-0.006 χ^2/NDF: 2754287.4/37

All: 40.833+/-0.004 χ^2/NDF: 5768100.9/76

- sign 41.060+/-0.006 χ^2/NDF: 3011202.3/38



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -127.188+/-31.397 χ^2/NDF:33.2/21

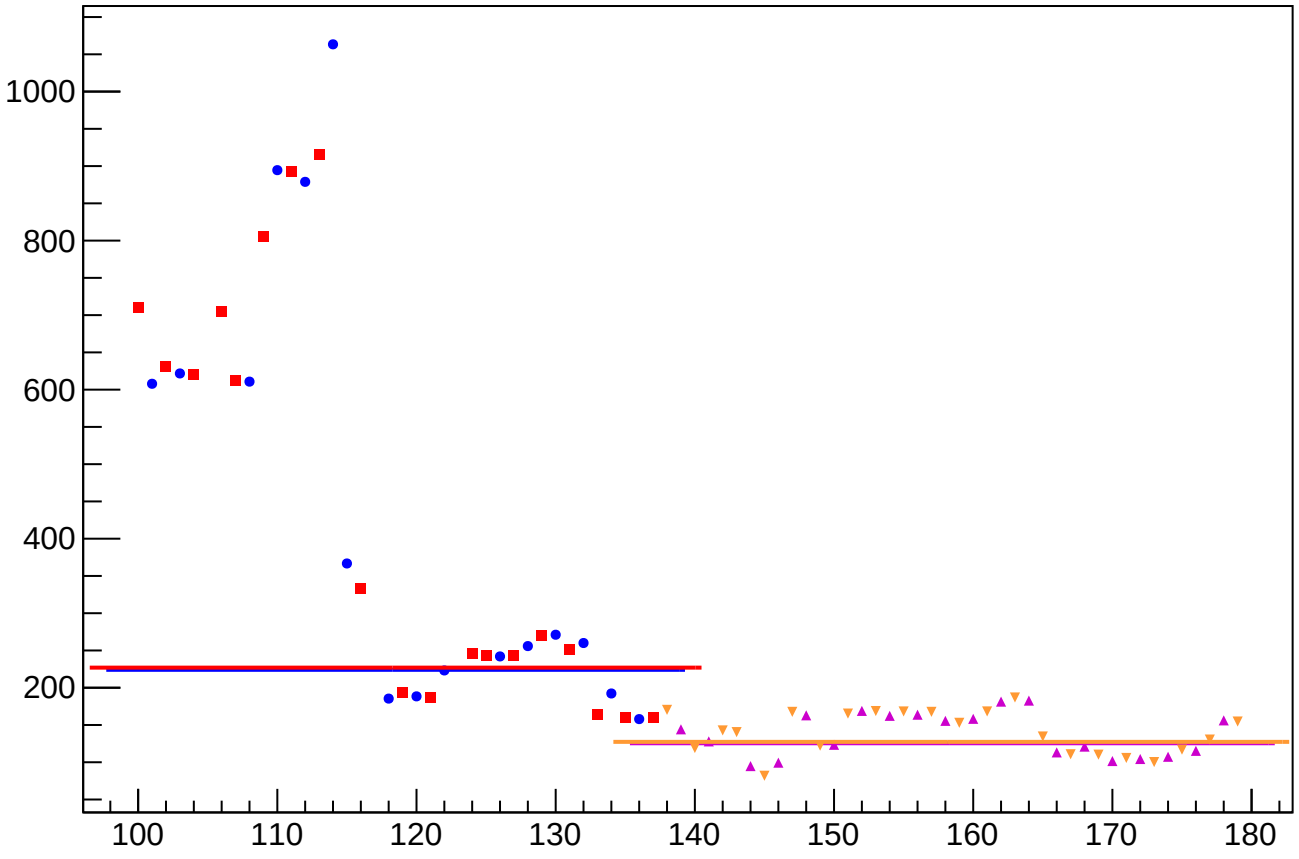
Right Out: -122.289+/-95.865 χ^2/NDF: 15.6/18

Left In: -27.586+/-31.929 χ^2/NDF:25.0/19

+ sign -110.639+/-29.766 χ^2/NDF: 47.3/37

All: -74.487+/-21.231 χ^2/NDF: 91.8/76

- sign -37.042+/-30.293 χ^2/NDF: 41.5/38



Right In: 224.042+/-0.066 χ^2/NDF: 2968059.8/15

Left Out: 127.365+/-0.022 χ^2/NDF:1734382.3/21

Right Out: 226.971+/-0.068 χ^2/NDF: 3571946.9/18

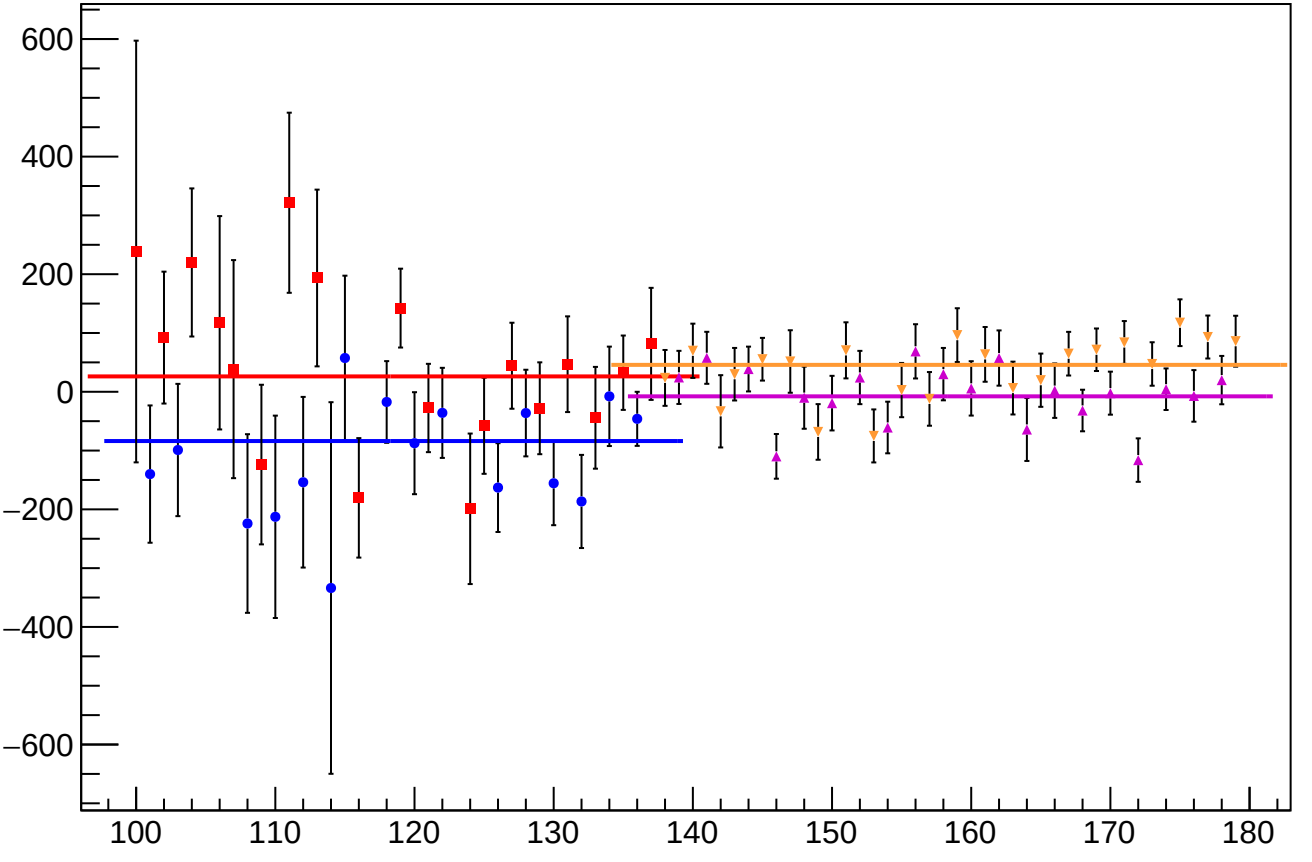
Left In: 125.469+/-0.023 χ^2/NDF:1402395.9/19

+ sign 137.149+/-0.021 χ^2/NDF: 6621670.2/37

All: 136.390+/-0.015 χ^2/NDF: 13616929.1/76

- sign 135.604+/-0.021 χ^2/NDF: 6992609.8/38

eigen_cor_asym_sam_37_26_dd_mean vs Slug



Right In: -83.805+/-21.434 χ^2/NDF: 10.5/15

Left Out: 45.774+/-9.156 χ^2/NDF:28.2/21

Right Out: 26.142+/-22.069 χ^2/NDF: 22.9/18

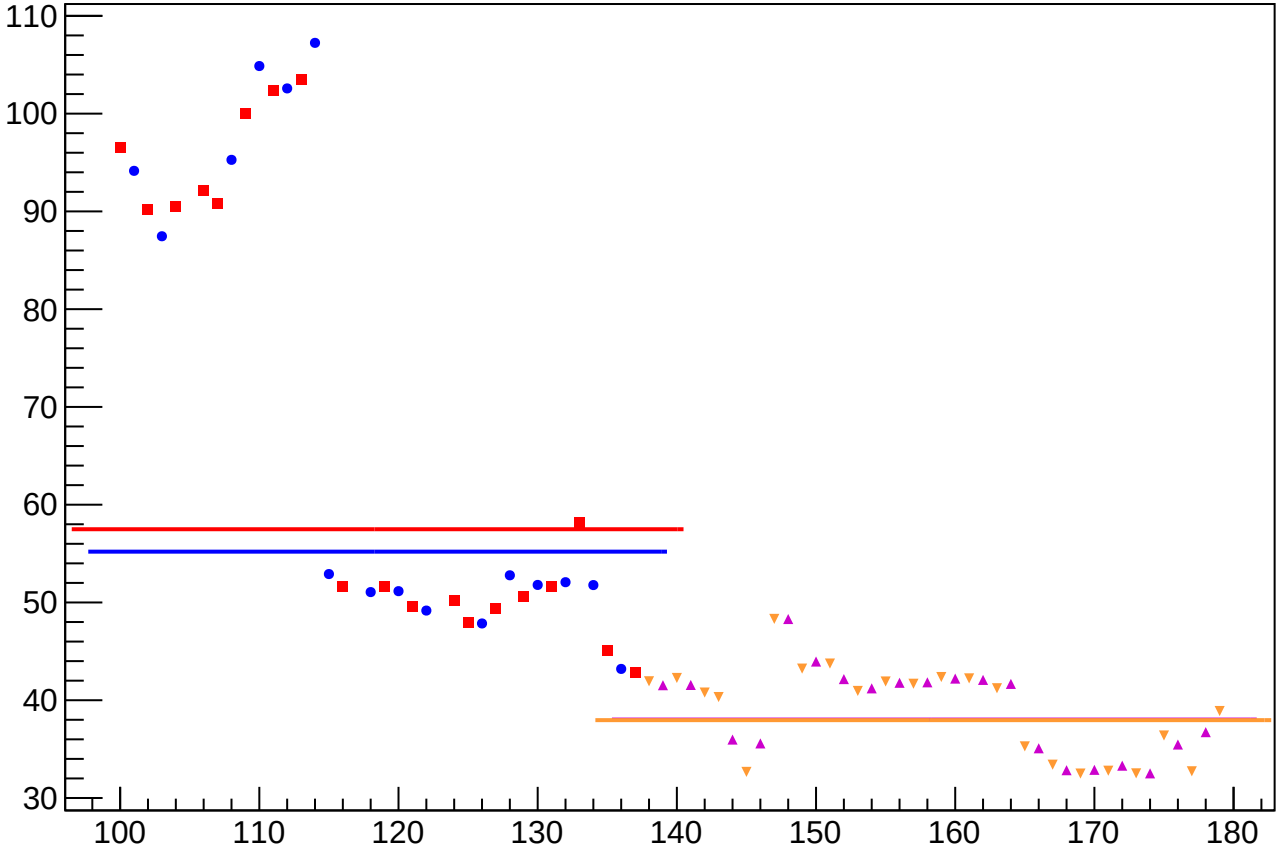
Left In: -7.763+/-9.488 χ^2/NDF:29.7/19

+ sign 25.780+/-8.420 χ^2/NDF: 69.7/37

All: 12.142+/-6.056 χ^2/NDF: 129.7/76

- sign -2.474+/-8.716 χ^2/NDF: 54.6/38

eigen_cor_asym_sam_37_26_dd_rms vs Slug



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.3/15

Left Out: 37.963+/-0.006 χ^2/NDF:508150.5/21

Right Out: 57.490+/-0.016 χ^2/NDF: 1274387.3/18

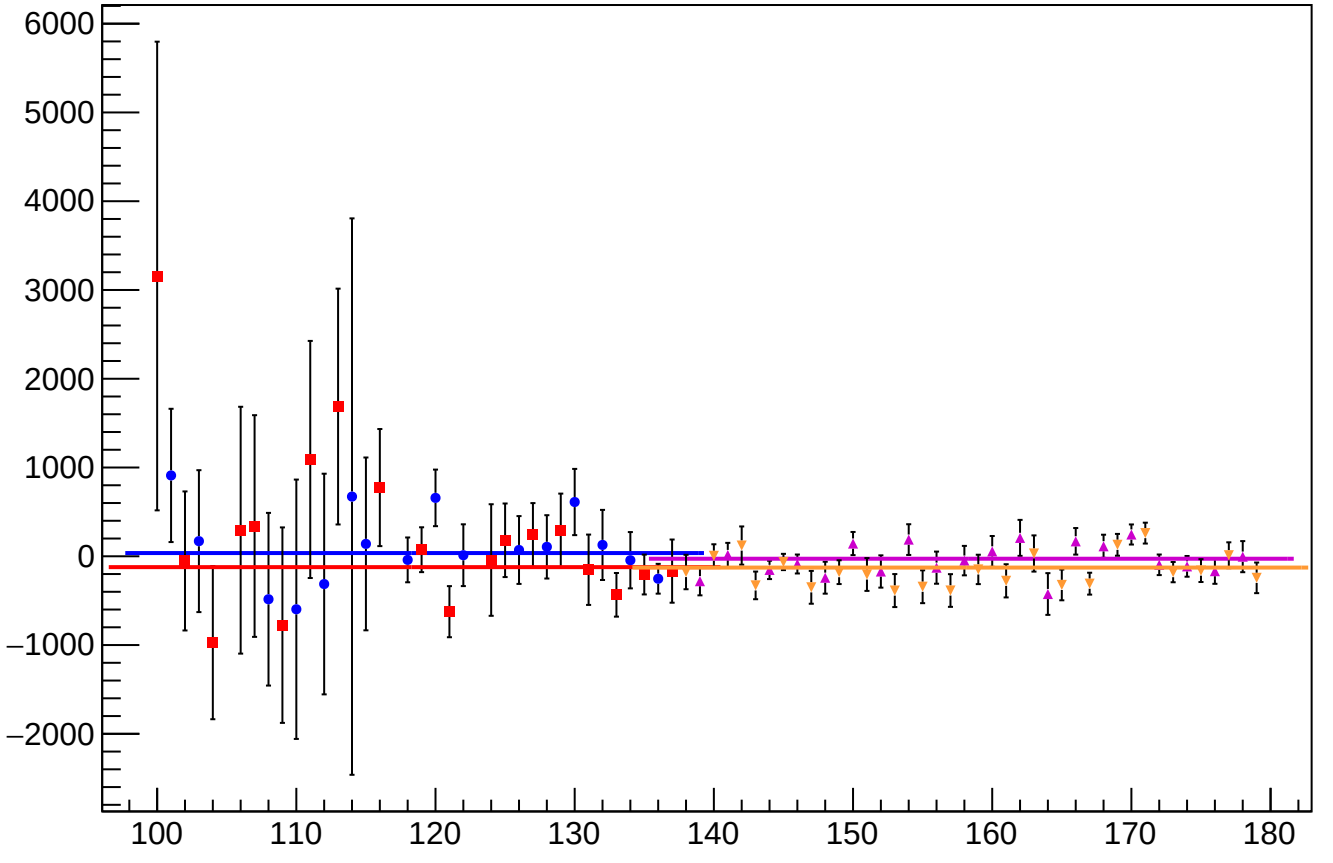
Left In: 38.023+/-0.007 χ^2/NDF:423393.2/19

+ sign 40.622+/-0.006 χ^2/NDF: 2754287.4/37

All: 40.833+/-0.004 χ^2/NDF: 5768100.9/76

- sign 41.060+/-0.006 χ^2/NDF: 3011202.3/38

asym_sam_37_26_dd_eigen_cor_correction_mean vs Slug



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -127.188+/-31.397 χ^2/NDF:33.2/21

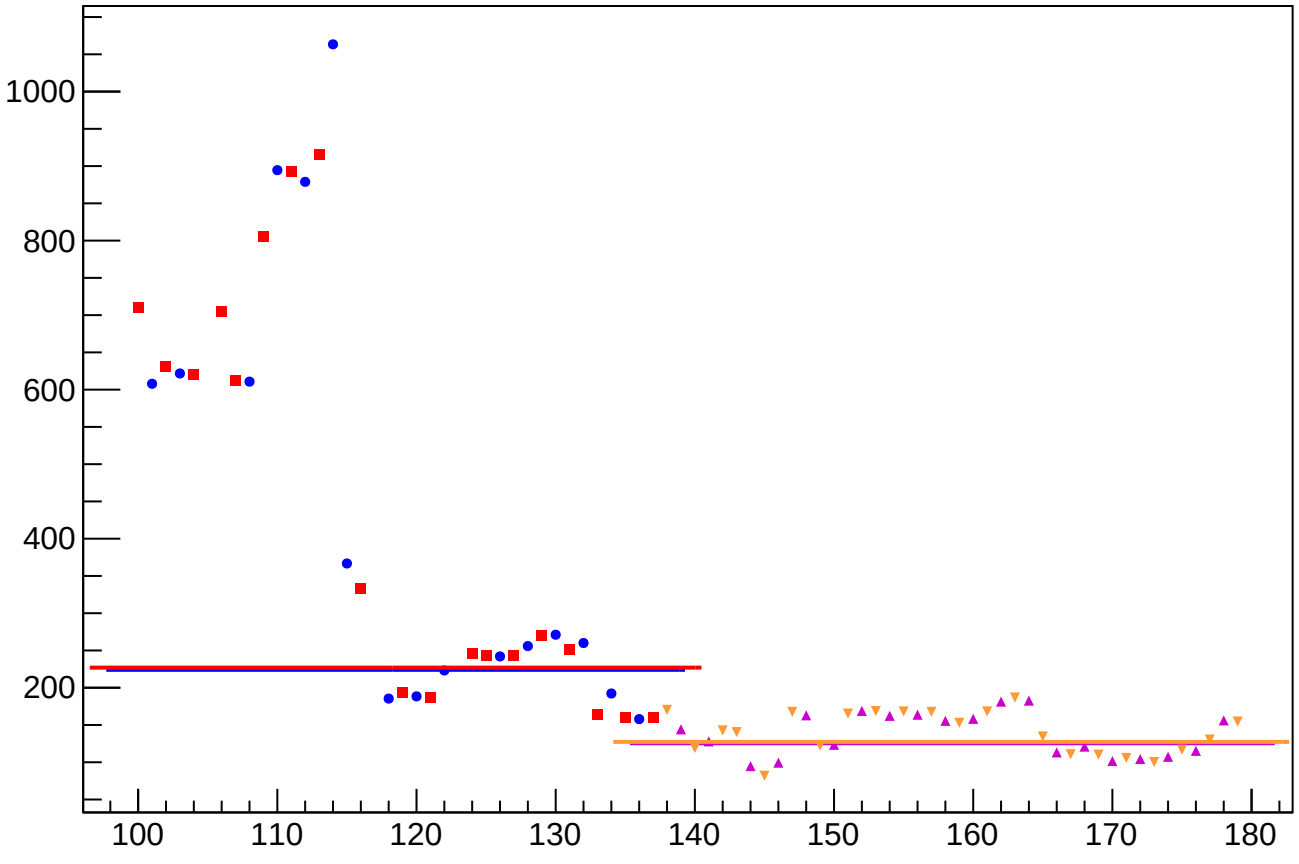
Right Out: -122.289+/-95.865 χ^2/NDF: 15.6/18

Left In: -27.586+/-31.929 χ^2/NDF:25.0/19

+ sign -110.639+/-29.766 χ^2/NDF: 47.3/37

All: -74.487+/-21.231 χ^2/NDF: 91.8/76

- sign -37.042+/-30.293 χ^2/NDF: 41.5/38



Right In: 224.042+/-0.066 χ^2/NDF: 2968059.8/15

Left Out: 127.365+/-0.022 χ^2/NDF:1734382.3/21

Right Out: 226.971+/-0.068 χ^2/NDF: 3571946.9/18

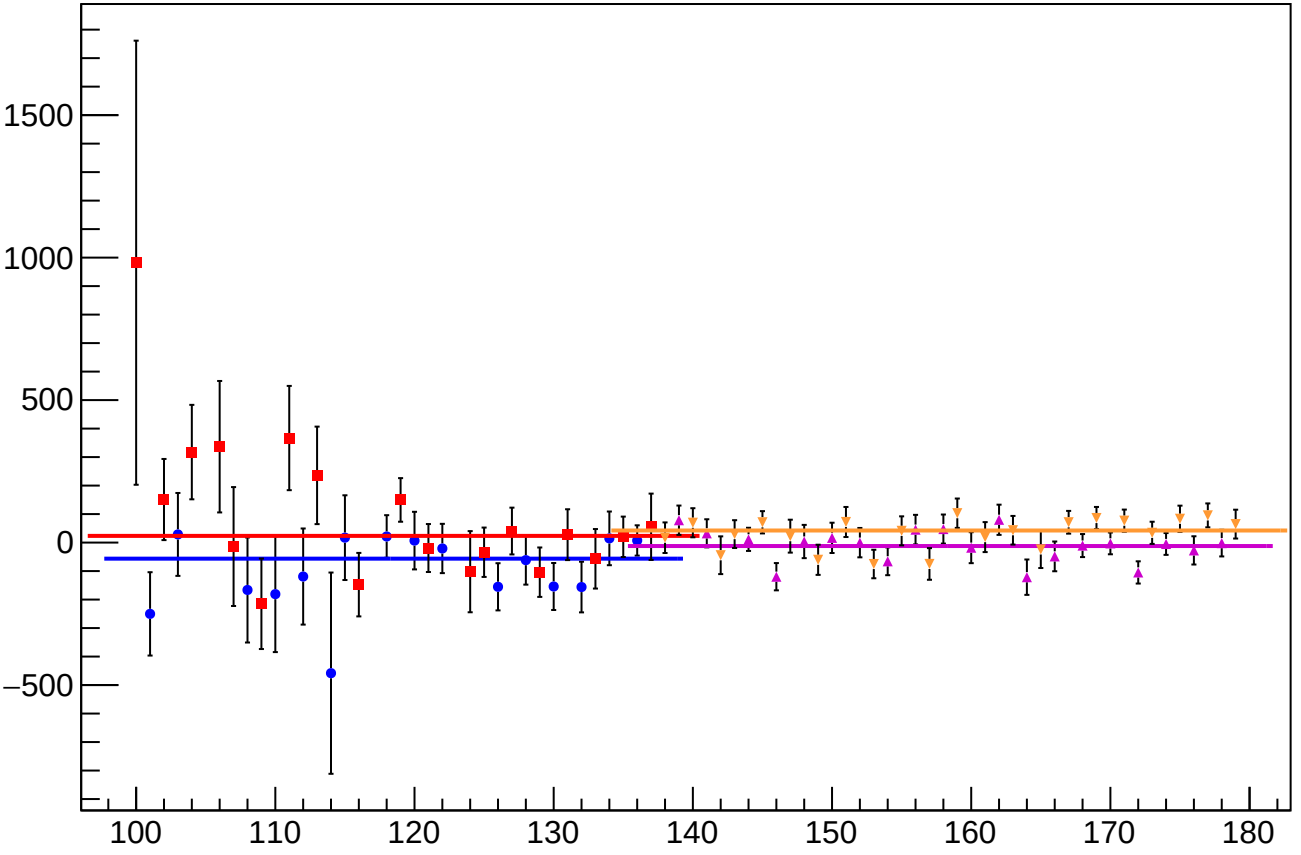
Left In: 125.469+/-0.023 χ^2/NDF:1402395.9/19

+ sign 137.149+/-0.021 χ^2/NDF: 6621670.2/37

All: 136.390+/-0.015 χ^2/NDF: 13616929.1/76

- sign 135.604+/-0.021 χ^2/NDF: 6992609.8/38

dit_asym_sam_37_26_dd_mean vs Slug



Right In: -56.414+/-24.489 χ^2/NDF: 12.3/15

Left Out: 42.385+/-10.221 χ^2/NDF:24.9/21

Right Out: 23.495+/-25.161 χ^2/NDF: 24.1/18

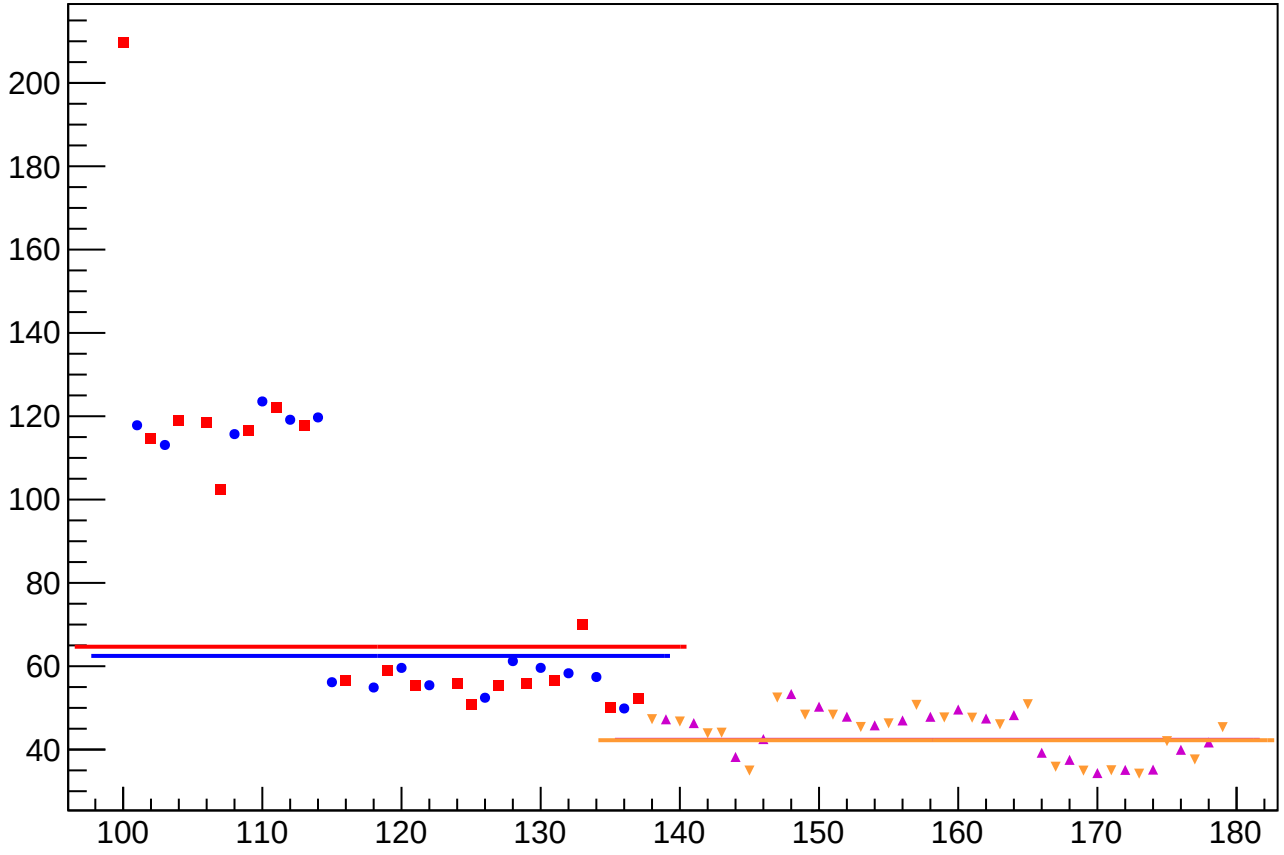
Left In: -12.127+/-10.627 χ^2/NDF:26.0/19

+ sign 27.726+/-9.433 χ^2/NDF: 51.0/37

All: 11.136+/-6.793 χ^2/NDF: 109.2/76

- sign -6.734+/-9.790 χ^2/NDF: 51.8/38

dit_asym_sam_37_26_dd_rms vs Slug



Right In: 62.474+/-0.017 χ^2/NDF: 1348224.3/15

Left Out: 42.240+/-0.007 χ^2/NDF:688374.2/21

Right Out: 64.680+/-0.018 χ^2/NDF: 1590446.9/18

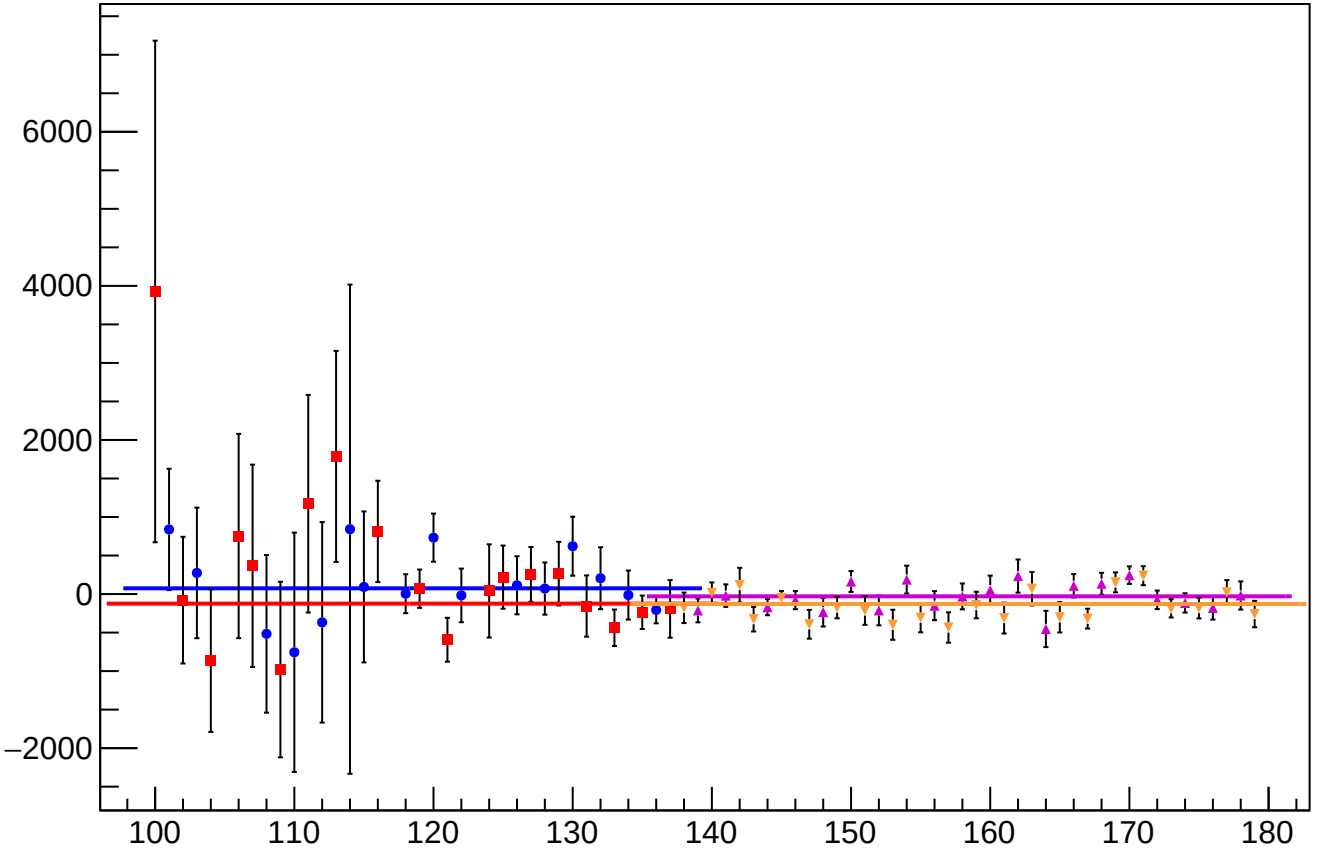
Left In: 42.335+/-0.008 χ^2/NDF:579312.1/19

+ sign 45.242+/-0.007 χ^2/NDF: 3199394.1/37

All: 45.471+/-0.005 χ^2/NDF: 6710237.0/76

- sign 45.718+/-0.007 χ^2/NDF: 3508394.1/38

asym_sam_37_26_dd_dit_correction_mean vs Slug



Right In: 74.294+/-94.492 χ^2/NDF: 11.2/15

Left Out: -128.807+/-32.593 χ^2/NDF:32.2/21

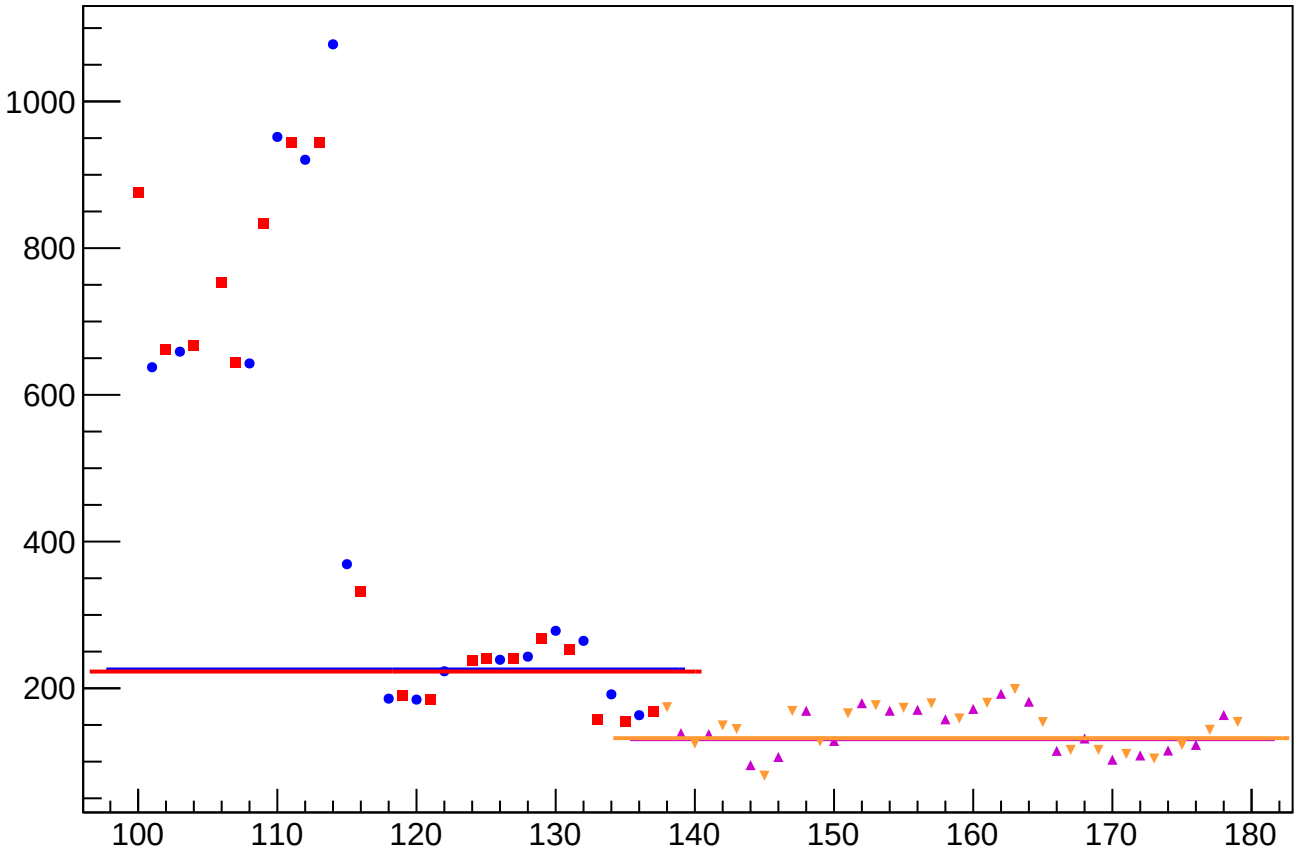
Right Out: -124.201+/-94.665 χ^2/NDF: 16.3/18

Left In: -29.544+/-33.333 χ^2/NDF:23.8/19

+ sign -107.211+/-30.812 χ^2/NDF: 47.6/37

All: -74.278+/-22.006 χ^2/NDF: 90.9/76

- sign -39.986+/-31.441 χ^2/NDF: 41.0/38



Right In: 225.614+/-0.067 χ^2/NDF: 3026007.7/15

Left Out: 131.985+/-0.023 χ^2/NDF:1896155.0/21

Right Out: 222.786+/-0.067 χ^2/NDF: 3848156.1/18

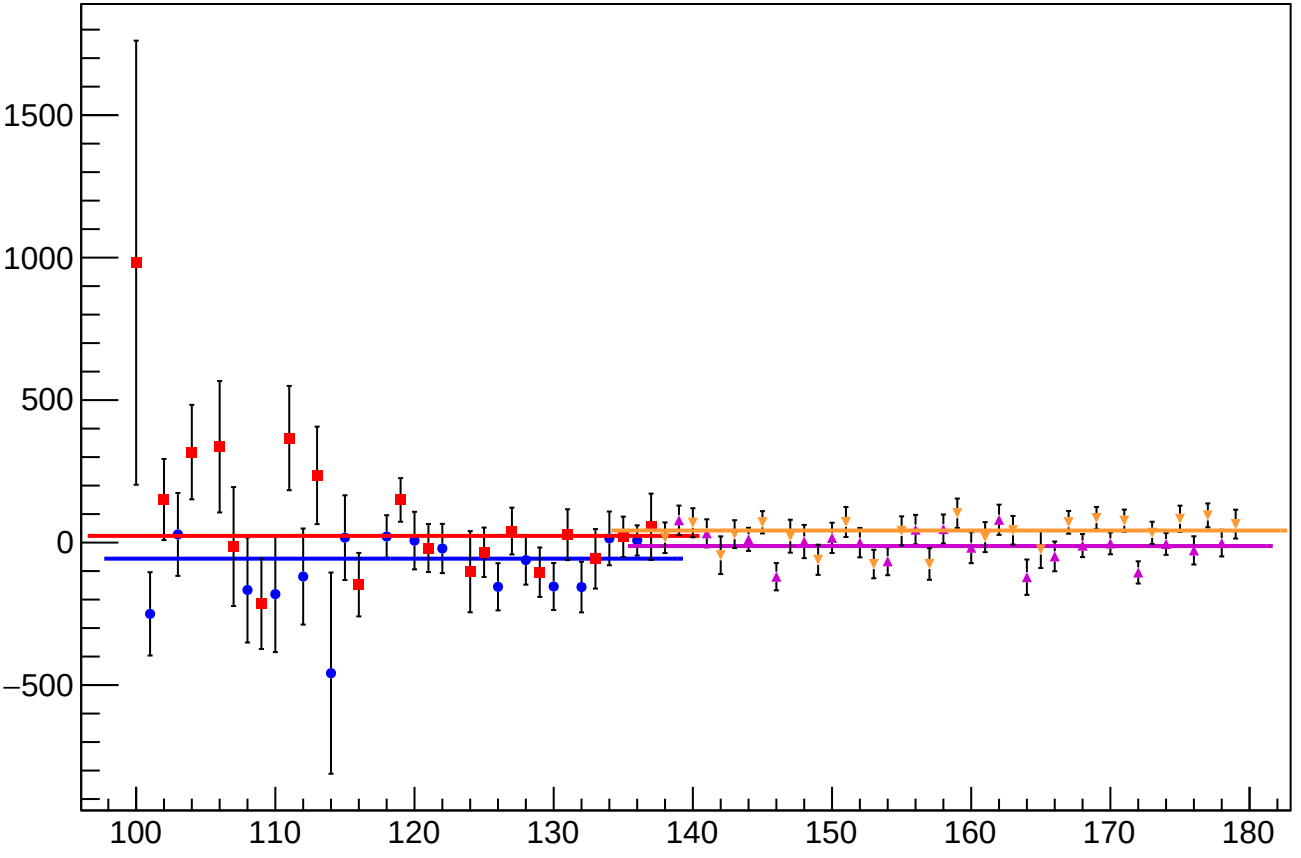
Left In: 130.649+/-0.024 χ^2/NDF:1439510.1/19

+ sign 141.941+/-0.022 χ^2/NDF: 6677000.7/37

All: 141.388+/-0.016 χ^2/NDF: 13651594.6/76

- sign 140.812+/-0.022 χ^2/NDF: 6973280.2/38

eigen_dit_asym_sam_37_26_dd_mean vs Slug



Right In: -56.415+/-24.489 χ^2/NDF: 12.3/15

Left Out: 42.386+/-10.221 χ^2/NDF:24.9/21

Right Out: 23.498+/-25.160 χ^2/NDF: 24.1/18

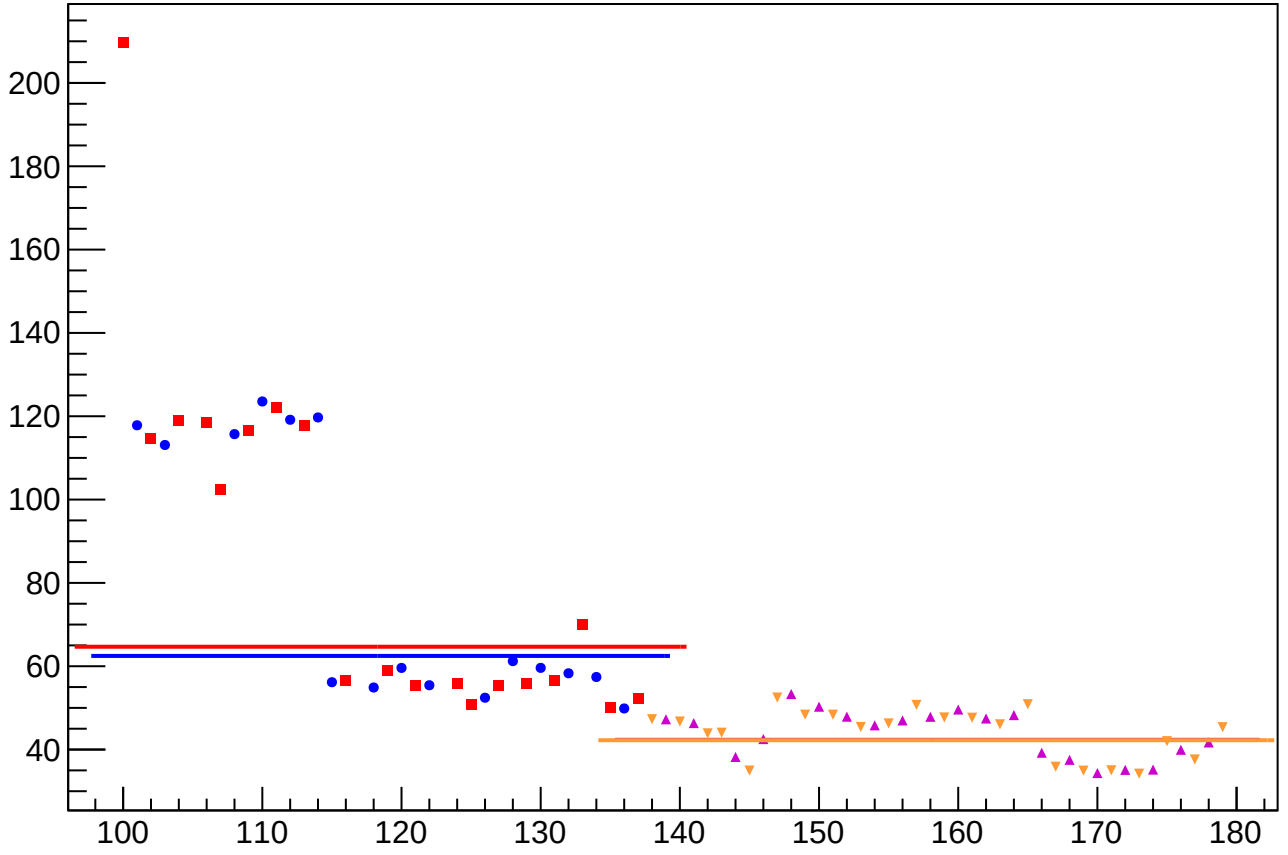
Left In: -12.127+/-10.627 χ^2/NDF:26.0/19

+ sign 27.727+/-9.433 χ^2/NDF: 51.0/37

All: 11.136+/-6.793 χ^2/NDF: 109.2/76

- sign -6.734+/-9.790 χ^2/NDF: 51.8/38

eigen_dit_asym_sam_37_26_dd_rms vs Slug



Right In: 62.474+/-0.017 χ^2/NDF: 1348204.7/15

Left Out: 42.240+/-0.007 χ^2/NDF:688392.4/21

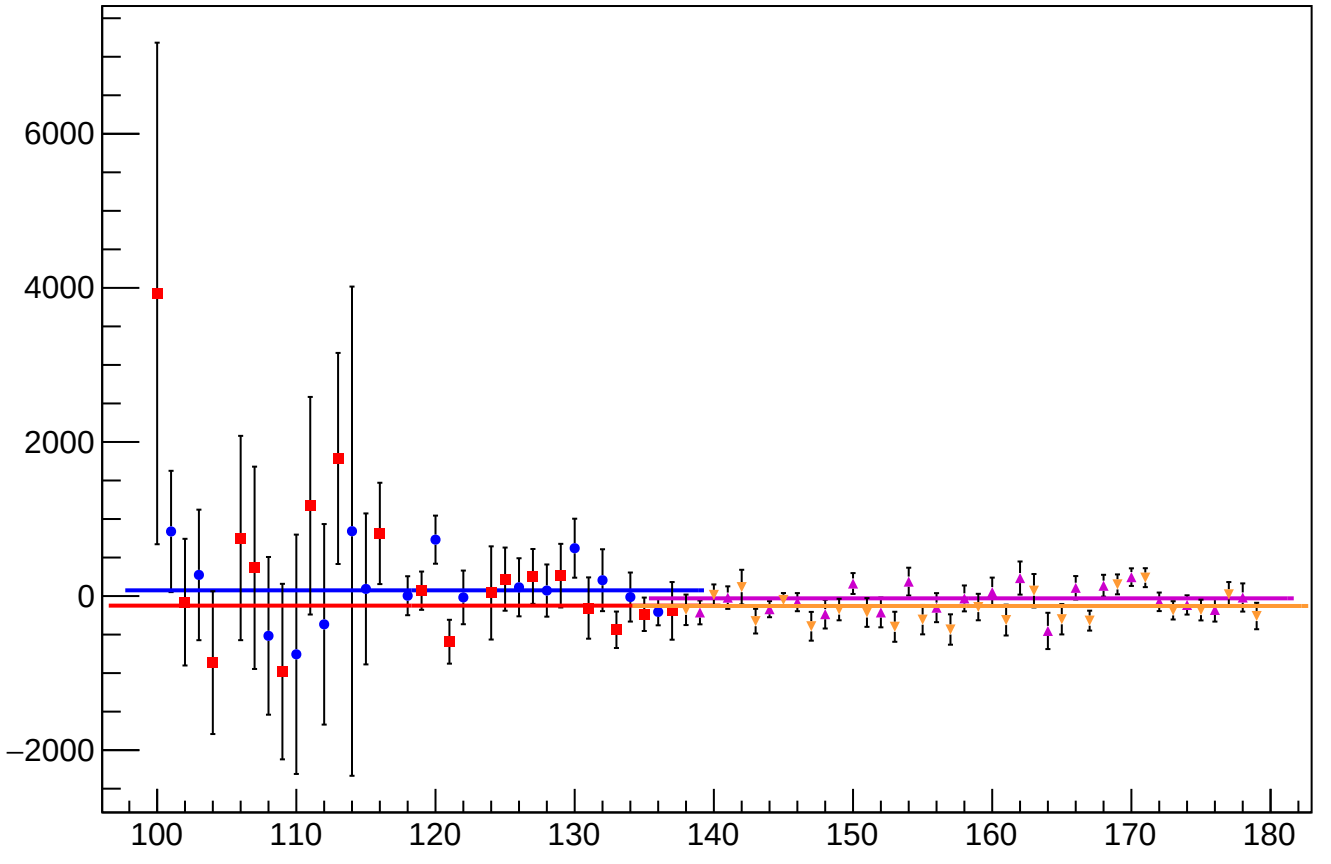
Right Out: 64.680+/-0.018 χ^2/NDF: 1590426.1/18

Left In: 42.335+/-0.008 χ^2/NDF:579316.1/19

+ sign 45.242+/-0.007 χ^2/NDF: 3199350.2/37

All: 45.471+/-0.005 χ^2/NDF: 6710146.9/76

- sign 45.718+/-0.007 χ^2/NDF: 3508347.2/38



Right In: 74.295+/-94.492 χ^2/NDF: 11.2/15

Left Out: -128.806+/-32.593 χ^2/NDF:32.2/21

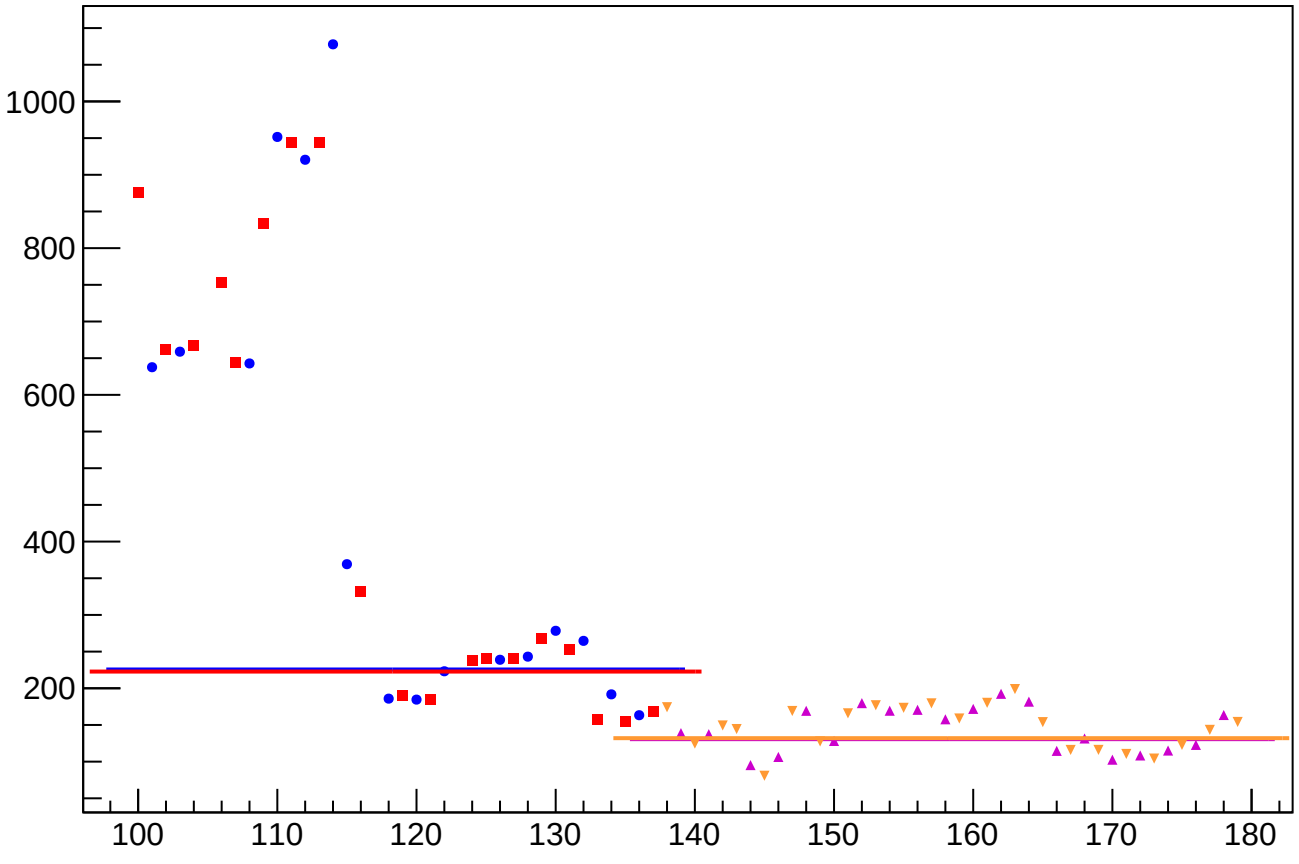
Right Out: -124.199+/-94.666 χ^2/NDF: 16.3/18

Left In: -29.545+/-33.333 χ^2/NDF:23.8/19

+ sign -107.211+/-30.812 χ^2/NDF: 47.6/37

All: -74.278+/-22.006 χ^2/NDF: 90.9/76

- sign -39.986+/-31.441 χ^2/NDF: 41.0/38



Right In: 225.614+/-0.067 χ^2/NDF: 3025994.8/15

Left Out: 131.985+/-0.023 χ^2/NDF:1896147.7/21

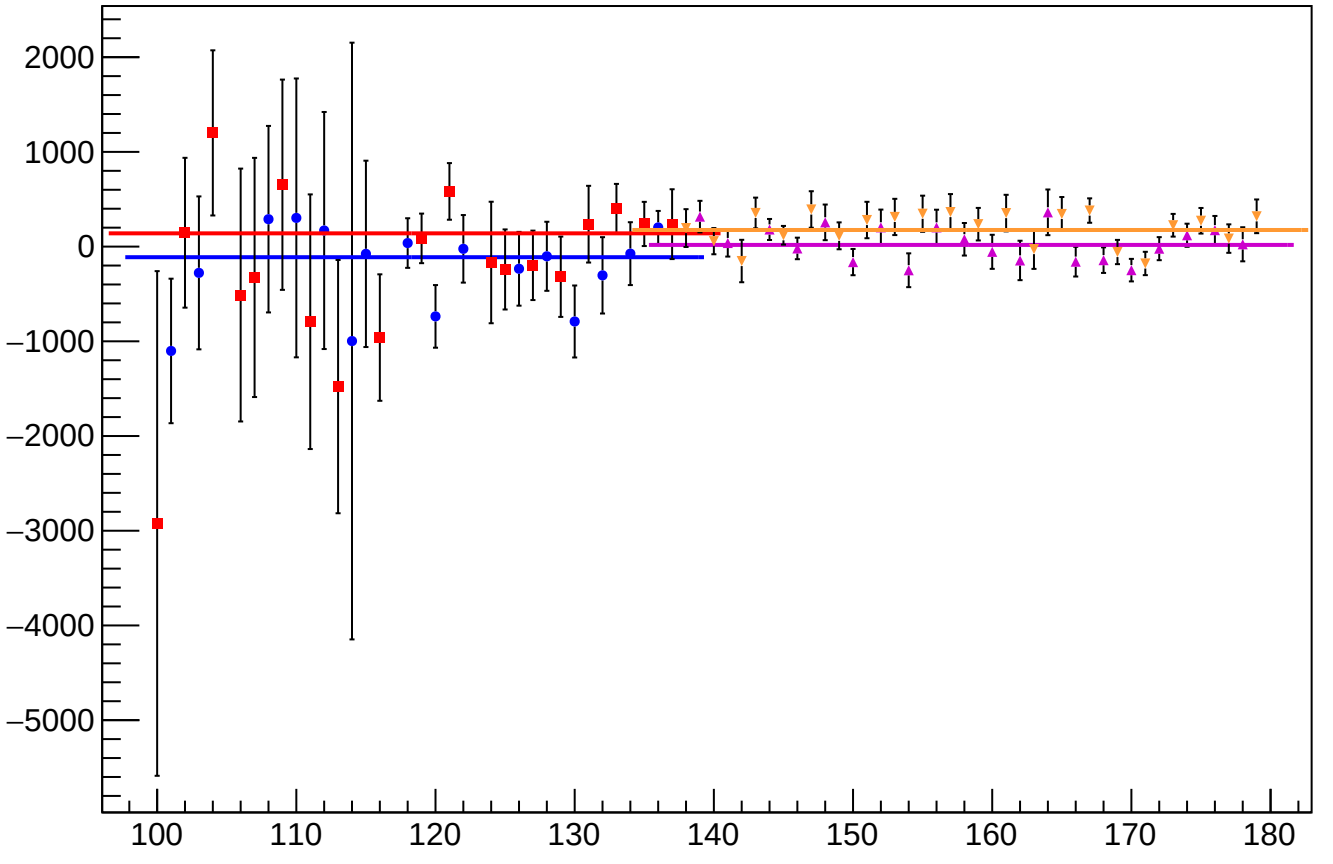
Right Out: 222.787+/-0.067 χ^2/NDF: 3848136.6/18

Left In: 130.649+/-0.024 χ^2/NDF:1439509.1/19

+ sign 141.941+/-0.022 χ^2/NDF: 6676971.2/37

All: 141.388+/-0.016 χ^2/NDF: 13651551.0/76

- sign 140.813+/-0.022 χ^2/NDF: 6973266.0/38



Right In: -111.916+/-96.551 χ^2/NDF: 12.8/15

Left Out: 175.391+/-32.861 χ^2/NDF:27.1/21

Right Out: 139.974+/-99.174 χ^2/NDF: 14.6/18

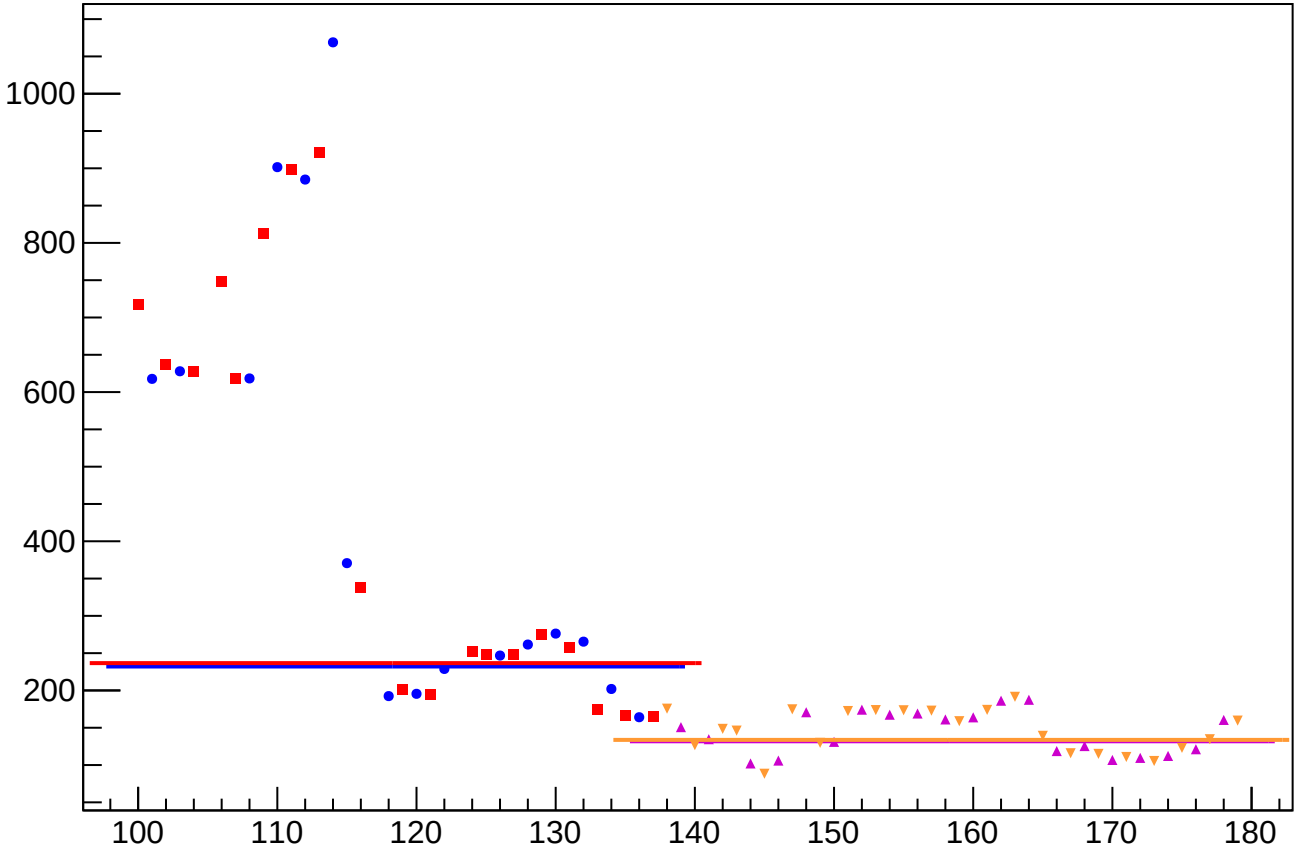
Left In: 17.753+/-33.459 χ^2/NDF:25.6/19

+ sign 145.565+/-31.109 χ^2/NDF: 47.9/37

All: 88.995+/-22.204 χ^2/NDF: 96.2/76

- sign 30.243+/-31.703 χ^2/NDF: 41.6/38

asym_sam_37_26_dd_rms vs Slug



Right In: 232.107+/-0.068 χ^2/NDF: 2885510.6/15

Left Out: 133.717+/-0.023 χ^2/NDF:1569274.6/21

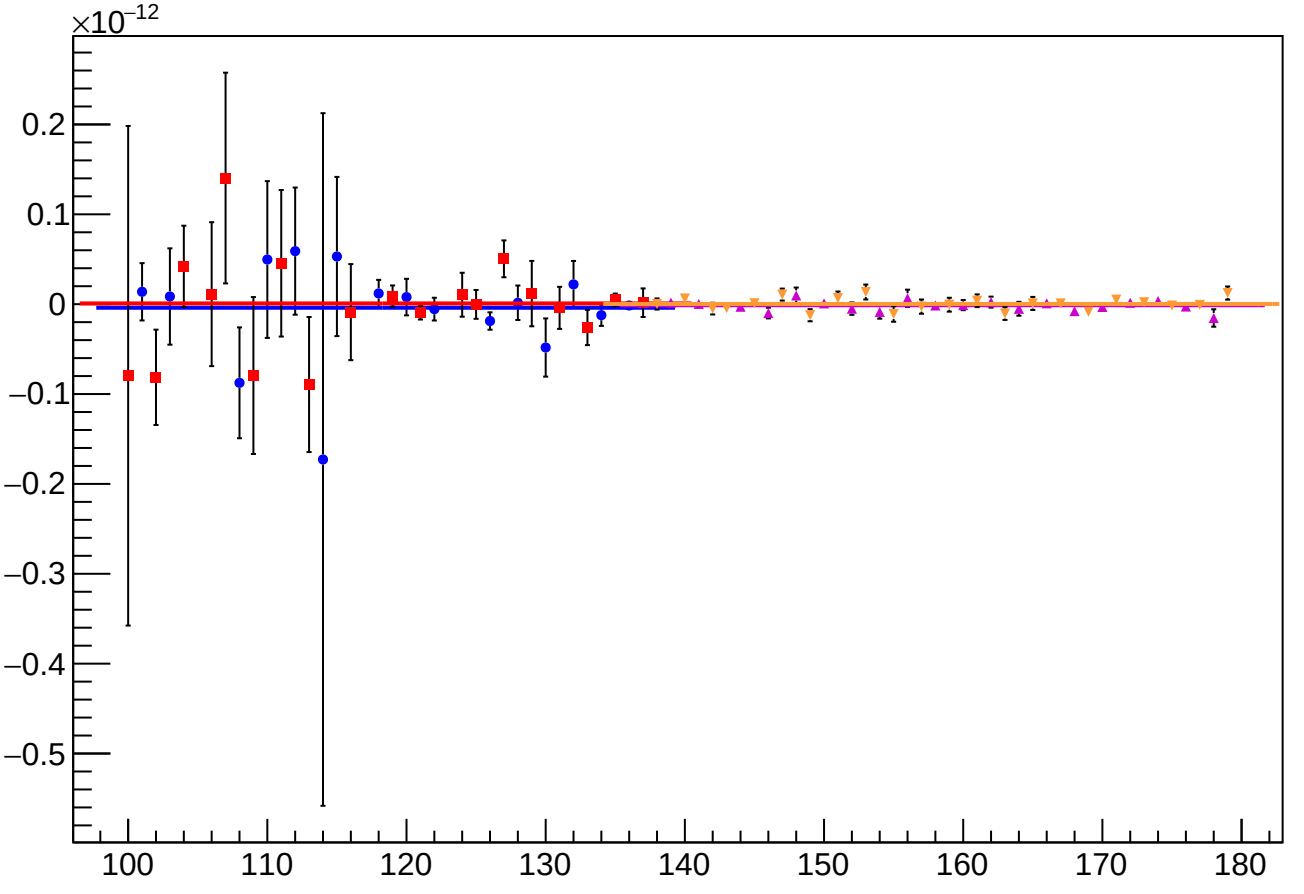
Right Out: 236.647+/-0.070 χ^2/NDF: 3521033.7/18

Left In: 131.848+/-0.024 χ^2/NDF:1271689.7/19

+ sign 143.931+/-0.022 χ^2/NDF: 6316096.1/37

All: 143.257+/-0.016 χ^2/NDF: 13115824.0/76

- sign 142.557+/-0.022 χ^2/NDF: 6797814.5/38



Right In: -0.000+/-0.000 χ^2/NDF: 11.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:25.8/21

Right Out: 0.000+/-0.000 χ^2/NDF: 18.1/18

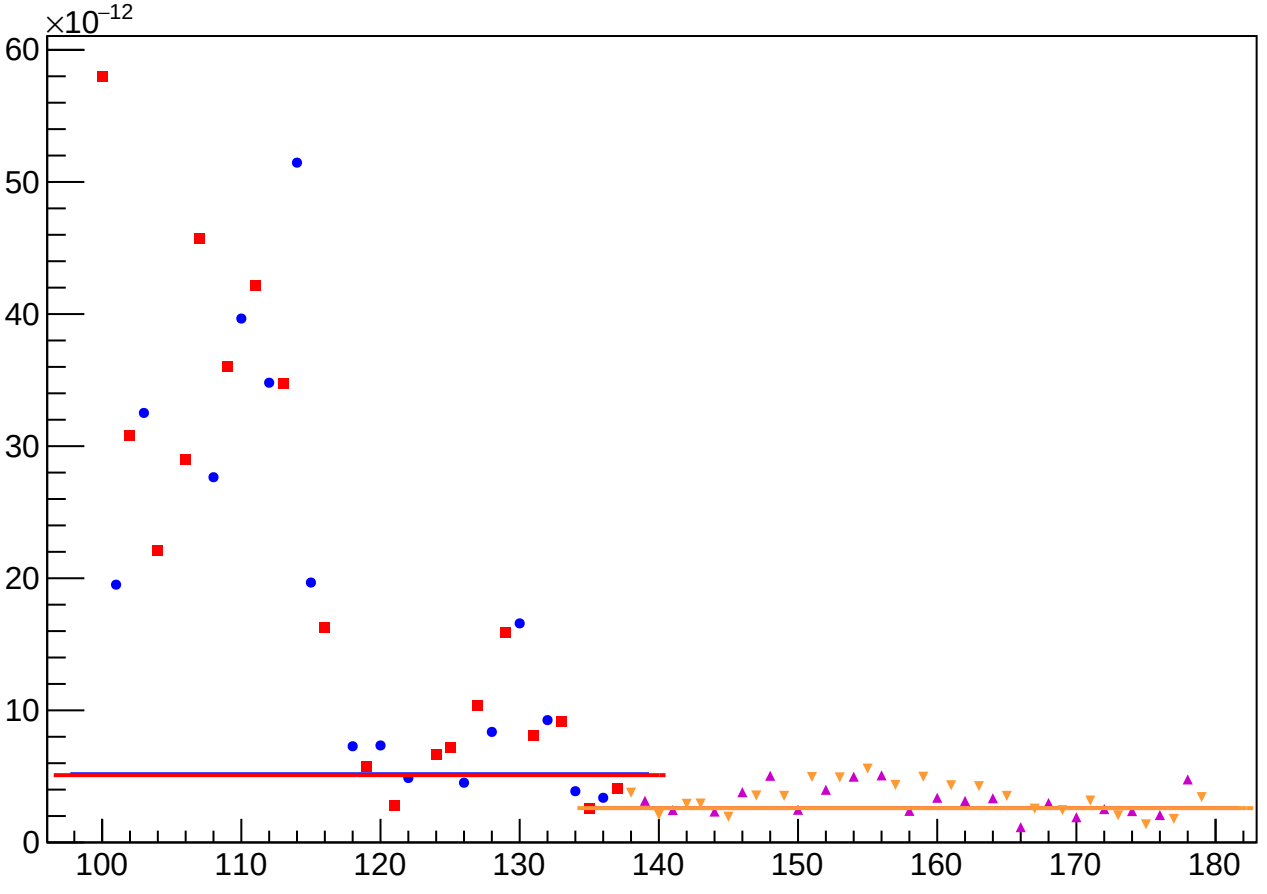
Left In: -0.000+/-0.000 χ^2/NDF:13.3/19

+ sign -0.000+/-0.000 χ^2/NDF: 38.5/37

All: -0.000+/-0.000 χ^2/NDF: 70.5/76

- sign -0.000+/-0.000 χ^2/NDF: 31.6/38

asym_sam_37_26_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2618432.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:2107435.4/21

Right Out: 0.000+/-0.000 χ^2/NDF: 3236196.8/18

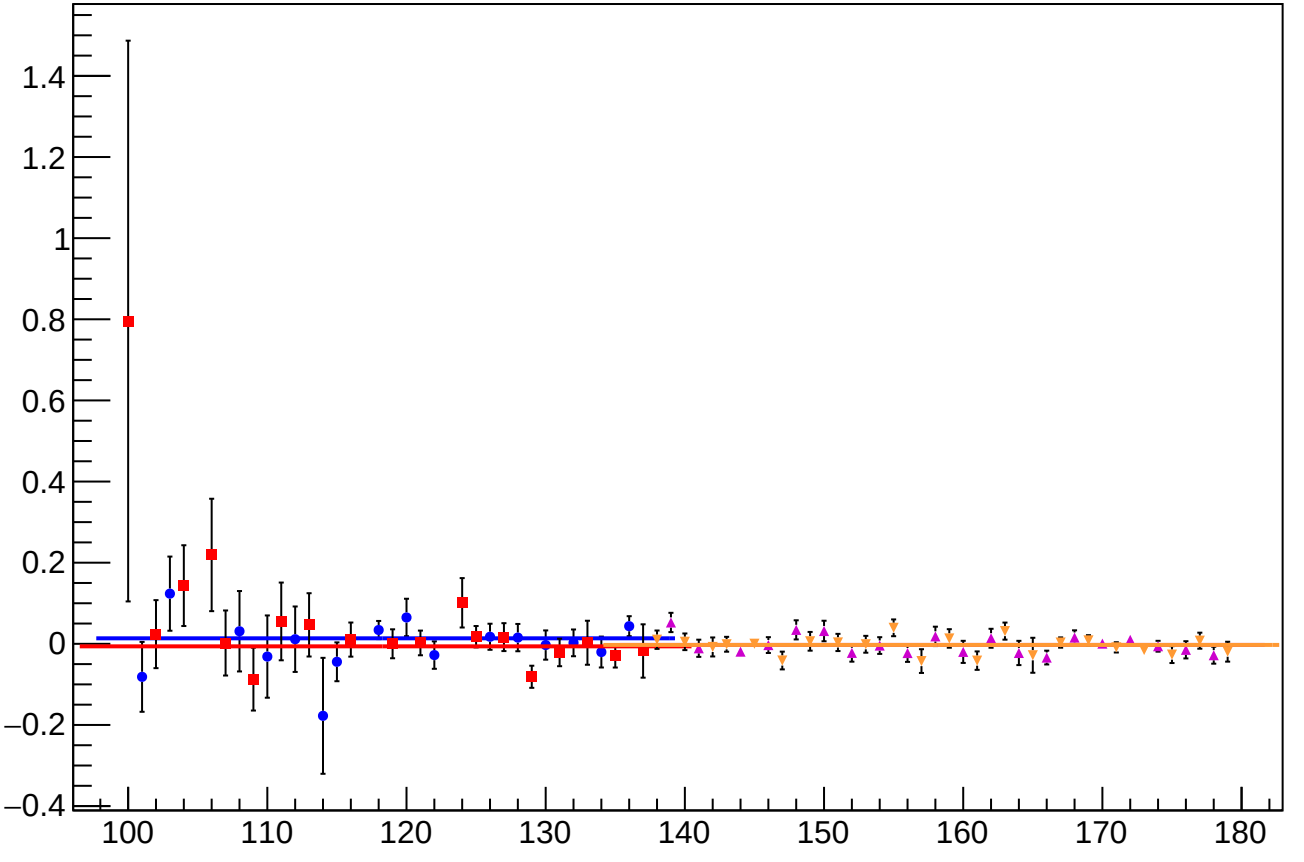
Left In: 0.000+/-0.000 χ^2/NDF:1374597.6/19

+ sign 0.000+/-0.000 χ^2/NDF: 5626536.5/37

All: 0.000+/-0.000 χ^2/NDF: 10971092.7/76

- sign 0.000+/-0.000 χ^2/NDF: 5344534.3/38

asym_sam_37_26_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: -0.003+/-0.004 χ^2/NDF:20.8/21

Right Out: -0.006+/-0.010 χ^2/NDF: 21.5/18

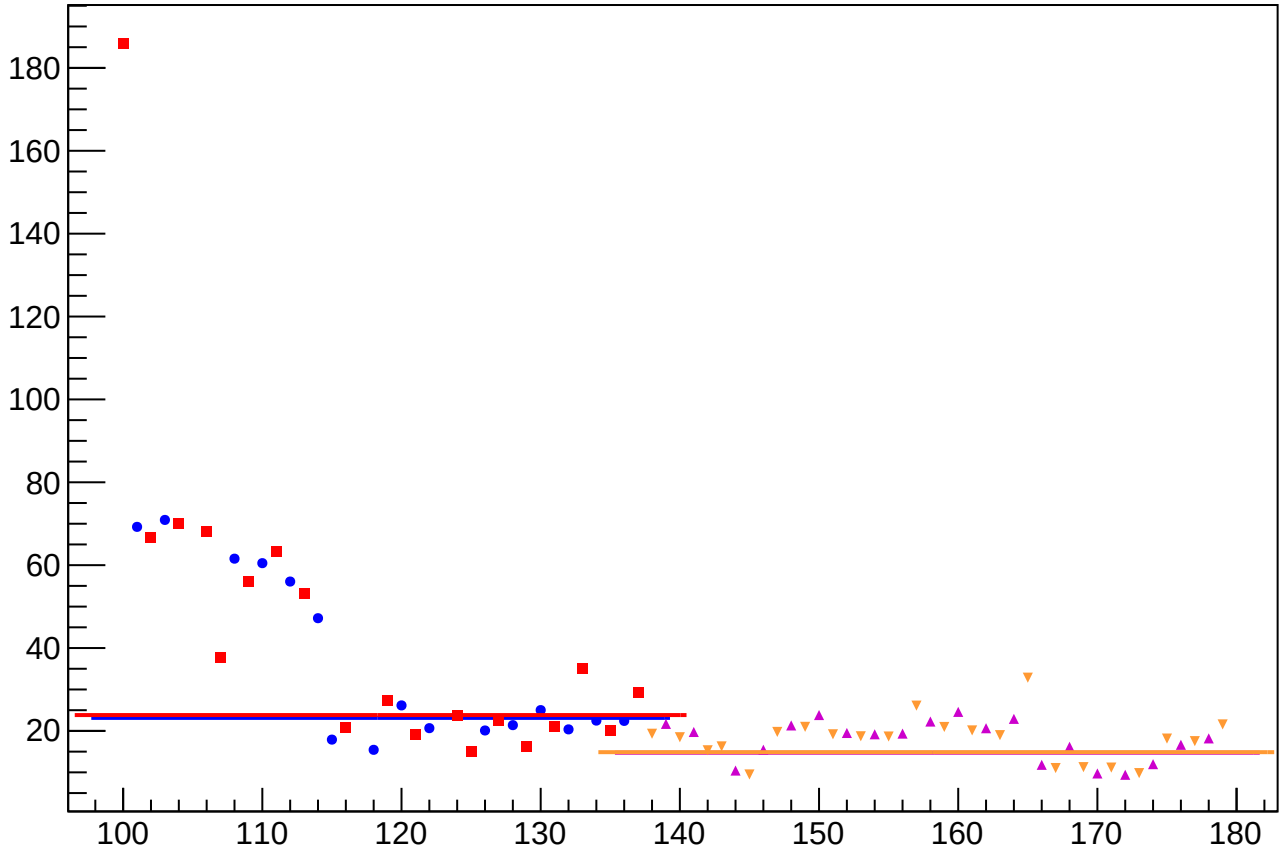
Left In: -0.003+/-0.004 χ^2/NDF:23.3/19

+ sign -0.001+/-0.004 χ^2/NDF: 35.5/37

All: -0.002+/-0.003 χ^2/NDF: 80.6/76

- sign -0.003+/-0.004 χ^2/NDF: 44.9/38

asym_sam_37_26_dd_dit_vs_cor_diff_rms vs Slug



Right In: 23.145+/-0.007 χ^2/NDF: 2406426.8/15

Left Out: 14.869+/-0.003 χ^2/NDF:3177762.3/21

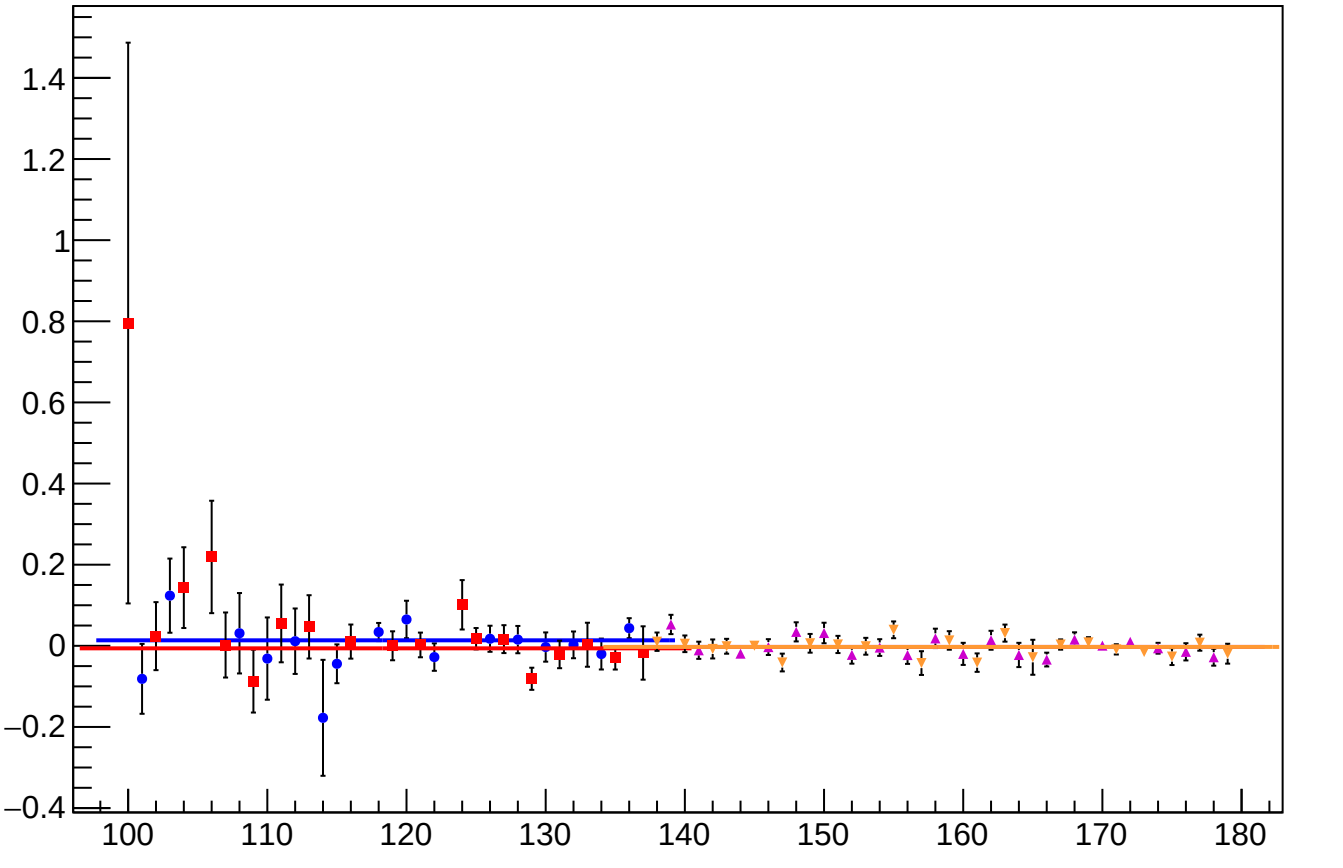
Right Out: 23.825+/-0.007 χ^2/NDF: 2898916.7/18

Left In: 14.735+/-0.003 χ^2/NDF:3127098.9/19

\+ sign 15.952+/-0.003 χ^2/NDF: 6812164.0/37

All: 15.954+/-0.002 χ^2/NDF: 14249631.9/76

\- sign 15.955+/-0.003 χ^2/NDF: 7437467.0/38



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: -0.003+/-0.004 χ^2/NDF:20.8/21

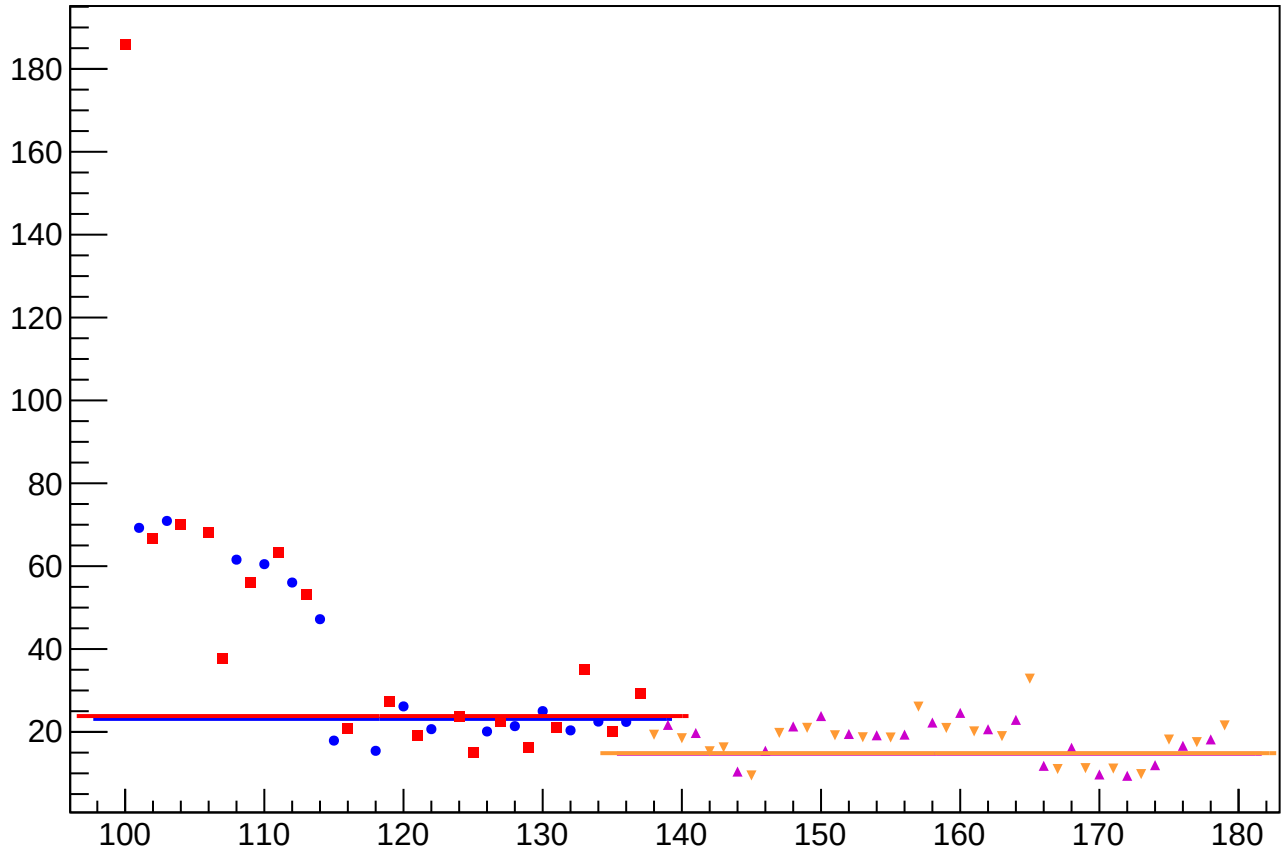
Right Out: -0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: -0.003+/-0.004 χ^2/NDF:23.3/19

+ sign -0.001+/-0.004 χ^2/NDF: 35.5/37

All: -0.002+/-0.003 χ^2/NDF: 80.6/76

- sign -0.003+/-0.004 χ^2/NDF: 44.9/38



Right In: 23.145+/-0.007 χ^2/NDF: 2406426.8/15

Left Out: 14.869+/-0.003 χ^2/NDF:3177762.3/21

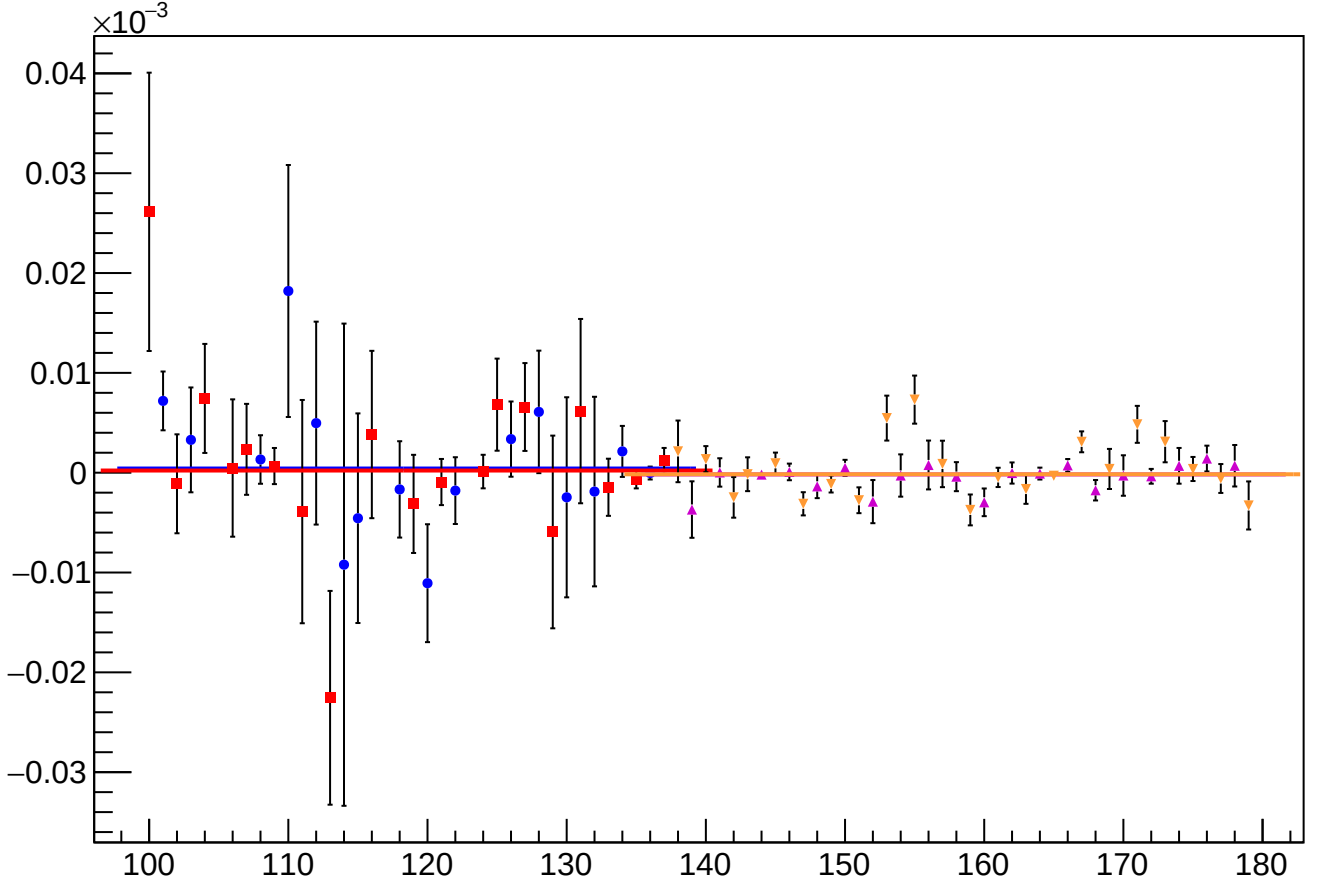
Right Out: 23.825+/-0.007 χ^2/NDF: 2898916.7/18

Left In: 14.735+/-0.003 χ^2/NDF:3127098.9/19

\+ sign 15.952+/-0.003 χ^2/NDF: 6812164.0/37

All: 15.954+/-0.002 χ^2/NDF: 14249631.9/76

\- sign 15.955+/-0.003 χ^2/NDF: 7437467.0/38



Right In: 0.000+/-0.000 χ^2/NDF: 15.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:60.3/21

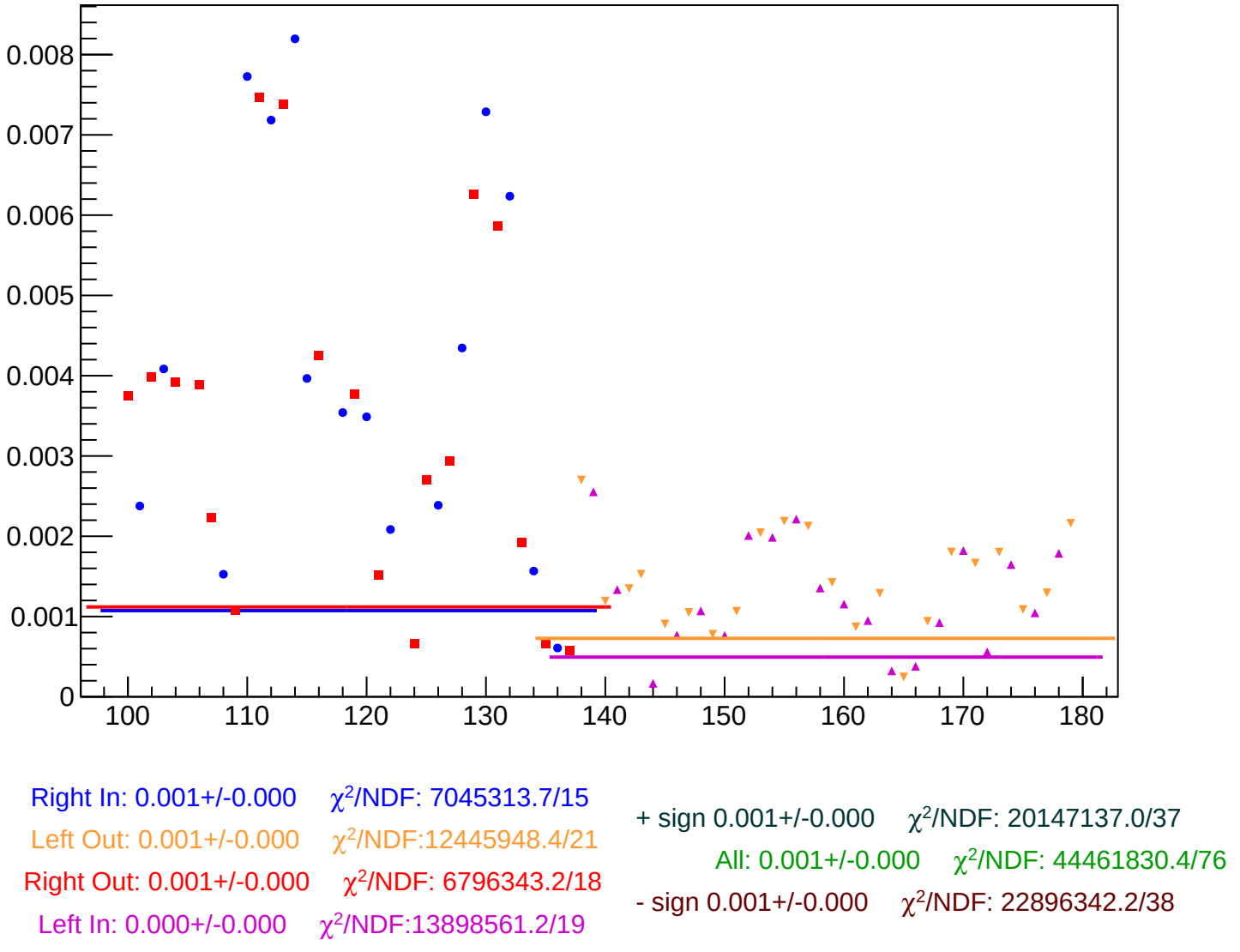
Right Out: 0.000+/-0.000 χ^2/NDF: 17.9/18

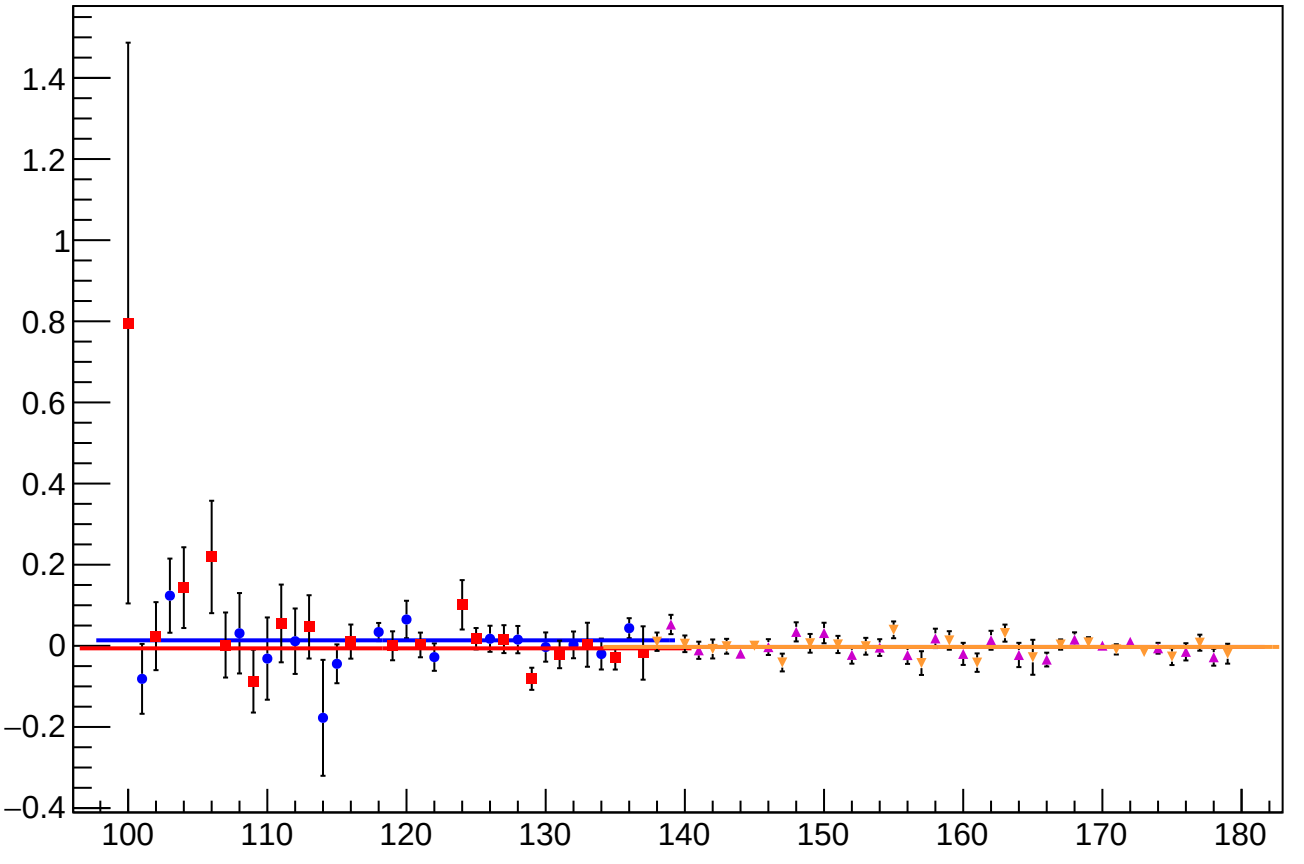
Left In: -0.000+/-0.000 χ^2/NDF:15.6/19

+ sign -0.000+/-0.000 χ^2/NDF: 76.5/37

All: -0.000+/-0.000 χ^2/NDF: 110.4/76

- sign -0.000+/-0.000 χ^2/NDF: 33.9/38


asym_sam_37_26_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001
0
100
110
120
130
140
150
160
170
180
Right In: 0.001+/-0.000 χ²/NDF: 7045313.7/15
Left Out: 0.001+/-0.000 χ²/NDF:12445948.4/21
Right Out: 0.001+/-0.000 χ²/NDF: 6796343.2/18
Left In: 0.000+/-0.000 χ²/NDF:13898561.2/19
+ sign 0.001+/-0.000 χ²/NDF: 20147137.0/37
All: 0.001+/-0.000 χ²/NDF: 44461830.4/76
- sign 0.001+/-0.000 χ²/NDF: 22896342.2/38



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: -0.003+/-0.004 χ^2/NDF:20.8/21

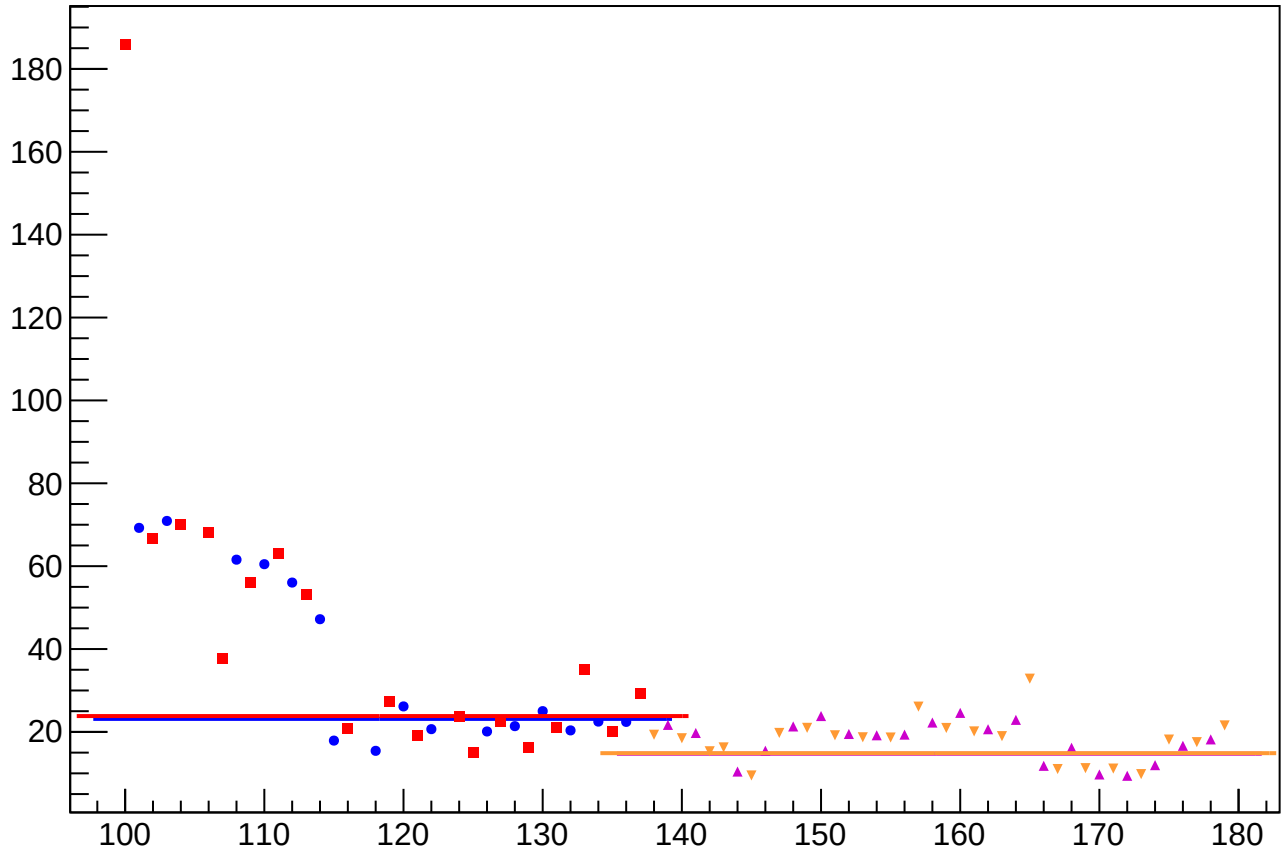
Right Out: -0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: -0.003+/-0.004 χ^2/NDF:23.3/19

+ sign -0.001+/-0.004 χ^2/NDF: 35.5/37

All: -0.002+/-0.003 χ^2/NDF: 80.6/76

- sign -0.003+/-0.004 χ^2/NDF: 44.9/38



Right In: 23.144+/-0.007 χ^2/NDF: 2406451.1/15

Left Out: 14.869+/-0.003 χ^2/NDF:3177866.3/21

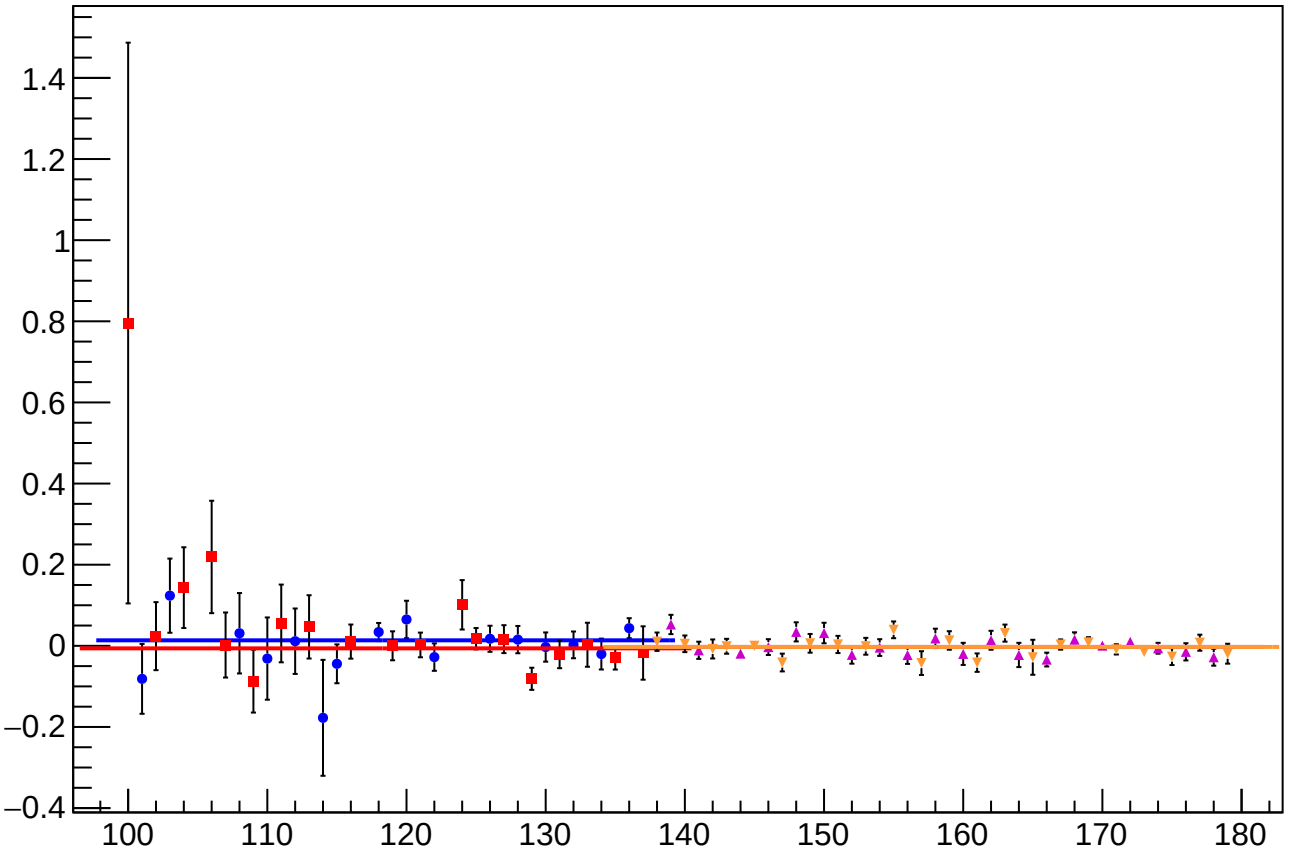
Right Out: 23.824+/-0.007 χ^2/NDF: 2898863.9/18

Left In: 14.736+/-0.003 χ^2/NDF:3127109.3/19

\+ sign 15.952+/-0.003 χ^2/NDF: 6812006.6/37

All: 15.954+/-0.002 χ^2/NDF: 14249285.7/76

\- sign 15.955+/-0.003 χ^2/NDF: 7437278.2/38



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: -0.003+/-0.004 χ^2/NDF:20.8/21

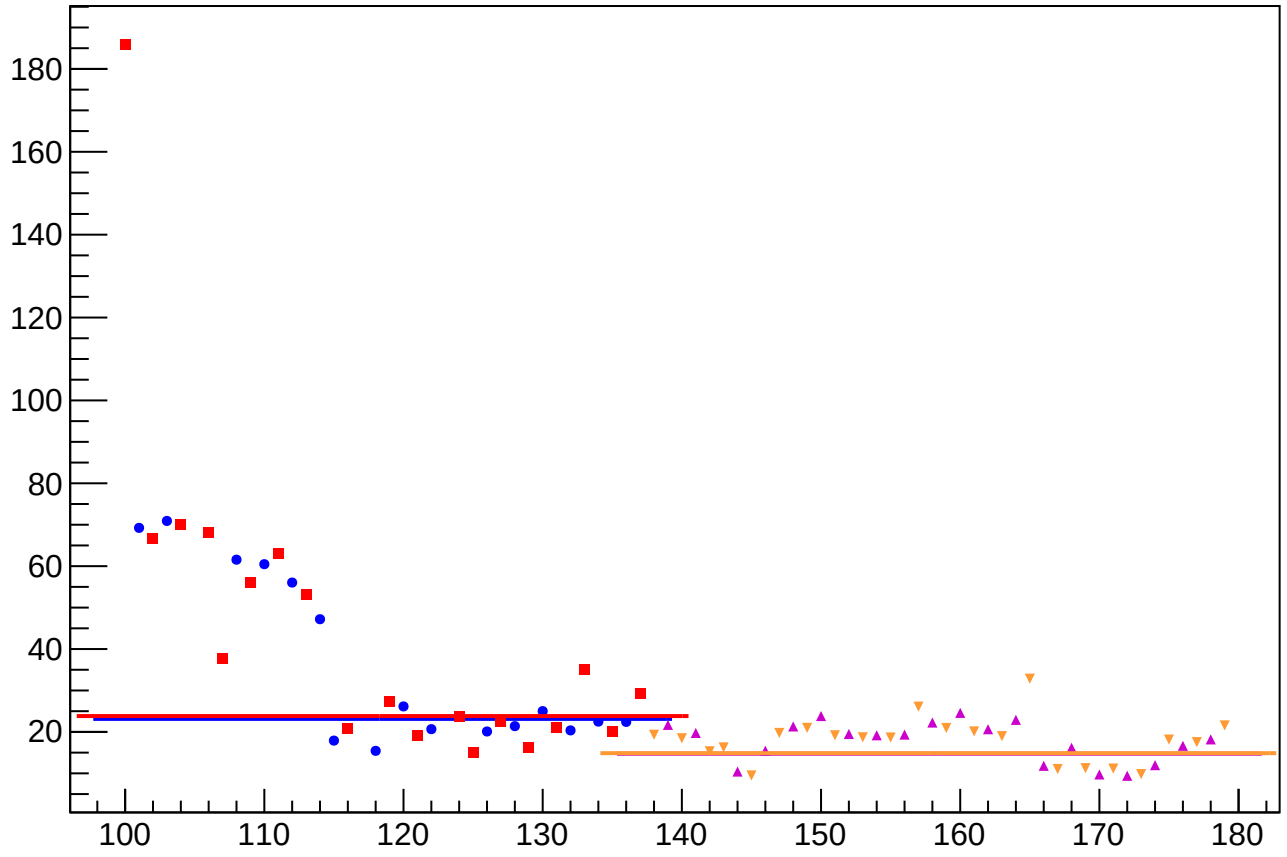
Right Out: -0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: -0.003+/-0.004 χ^2/NDF:23.3/19

+ sign -0.001+/-0.004 χ^2/NDF: 35.5/37

All: -0.002+/-0.003 χ^2/NDF: 80.6/76

- sign -0.003+/-0.004 χ^2/NDF: 44.9/38



Right In: 23.144+/-0.007 χ^2/NDF: 2406451.1/15

Left Out: 14.869+/-0.003 χ^2/NDF:3177866.3/21

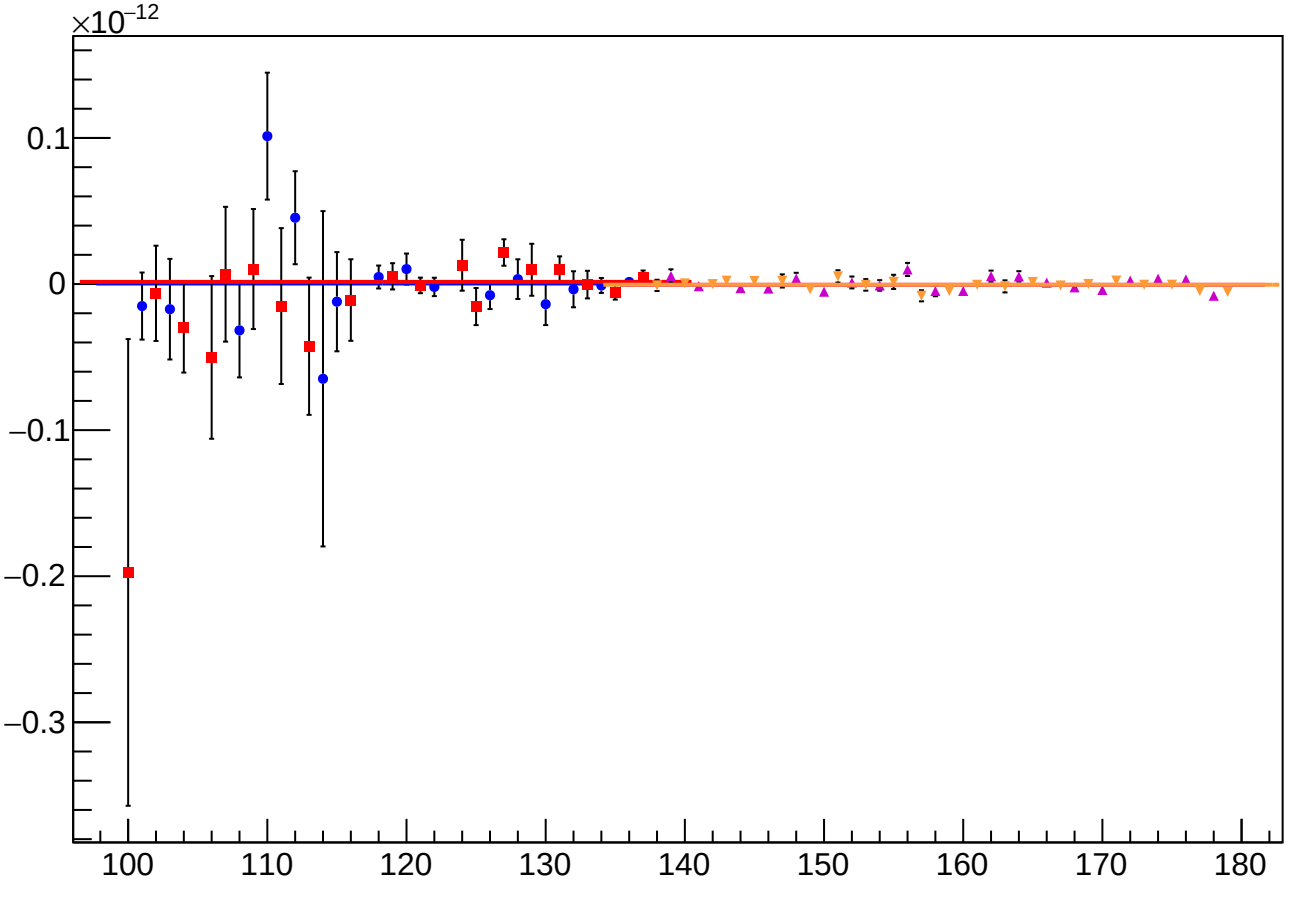
Right Out: 23.824+/-0.007 χ^2/NDF: 2898863.9/18

Left In: 14.736+/-0.003 χ^2/NDF:3127109.3/19

\+ sign 15.952+/-0.003 χ^2/NDF: 6812006.6/37

All: 15.954+/-0.002 χ^2/NDF: 14249285.7/76

\- sign 15.955+/-0.003 χ^2/NDF: 7437278.2/38



Right In: 0.000+/-0.000 χ^2/NDF: 12.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.6/21

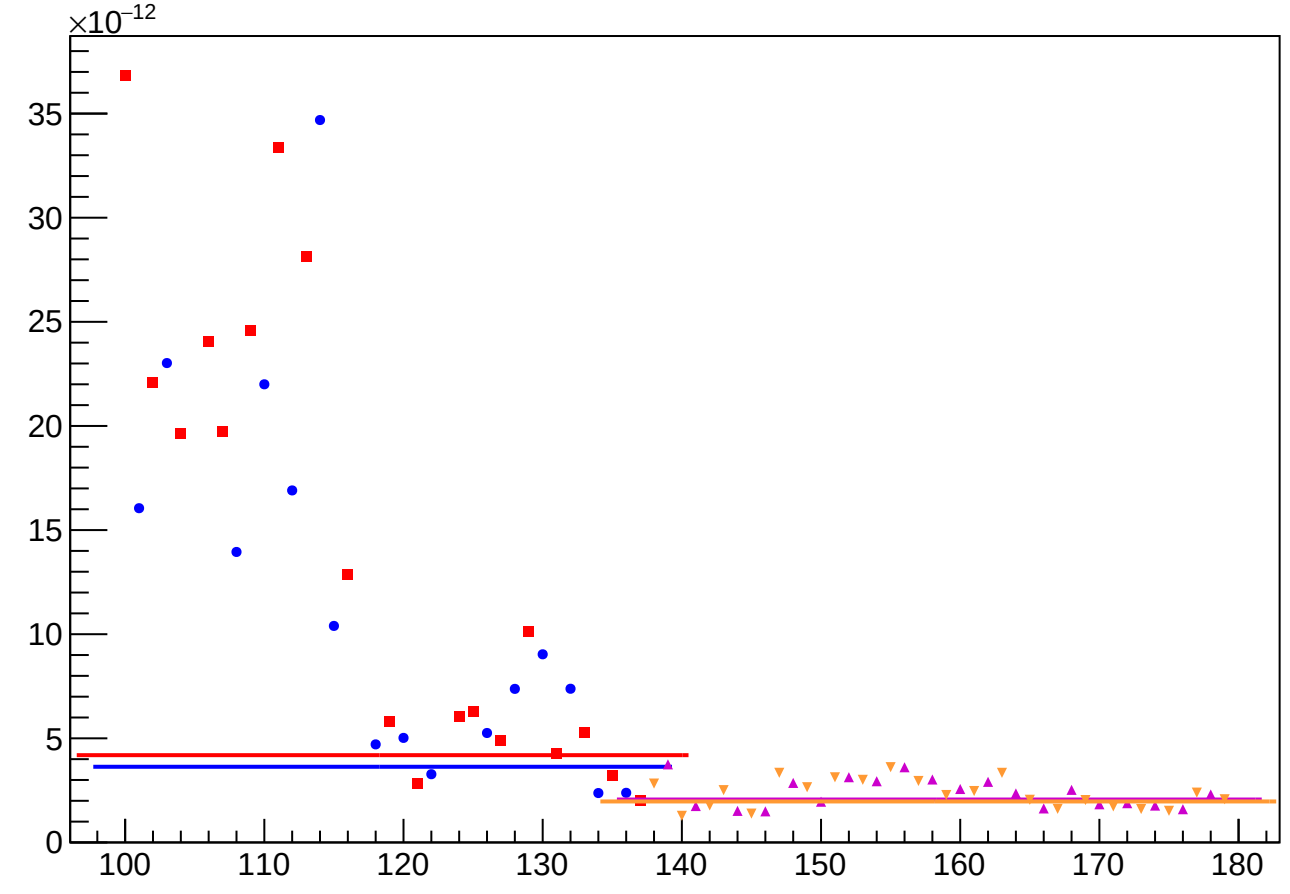
Right Out: 0.000+/-0.000 χ^2/NDF: 15.6/18

Left In: -0.000+/-0.000 χ^2/NDF:38.4/19

+ sign -0.000+/-0.000 χ^2/NDF: 32.7/37

All: -0.000+/-0.000 χ^2/NDF: 87.4/76

- sign -0.000+/-0.000 χ^2/NDF: 54.7/38



Right In: 0.000+/-0.000 χ^2/NDF: 3590314.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:2186240.0/21

Right Out: 0.000+/-0.000 χ^2/NDF: 4454808.3/18

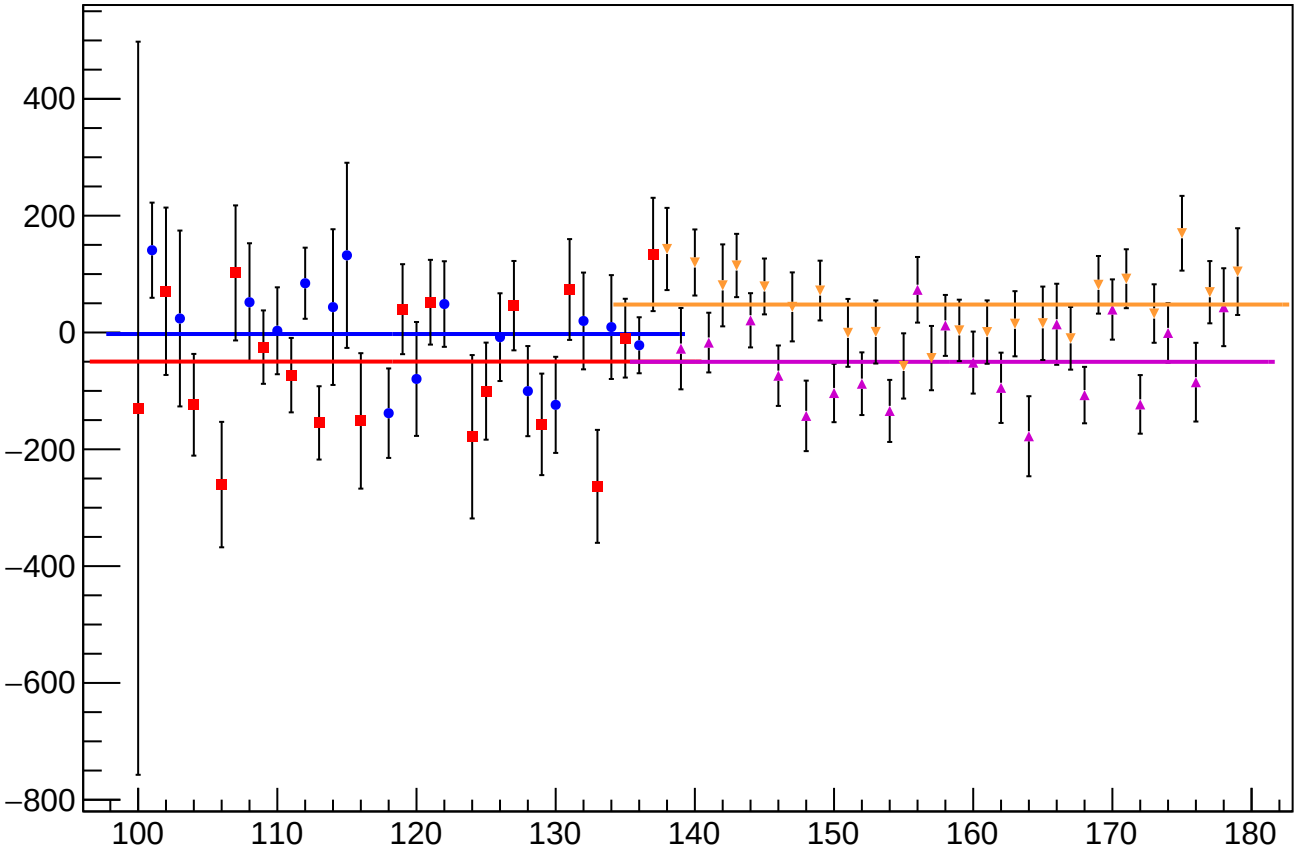
Left In: 0.000+/-0.000 χ^2/NDF:1749504.6/19

+ sign 0.000+/-0.000 χ^2/NDF: 6990920.9/37

All: 0.000+/-0.000 χ^2/NDF: 14753645.4/76

- sign 0.000+/-0.000 χ^2/NDF: 7727815.3/38

reg_asym_sam_1357_avg_mean vs Slug



Right In: -2.614+/-19.994 χ^2/NDF: 14.6/15

Left Out: 47.855+/-11.904 χ^2/NDF:22.5/21

Right Out: -49.810+/-19.621 χ^2/NDF: 29.4/18

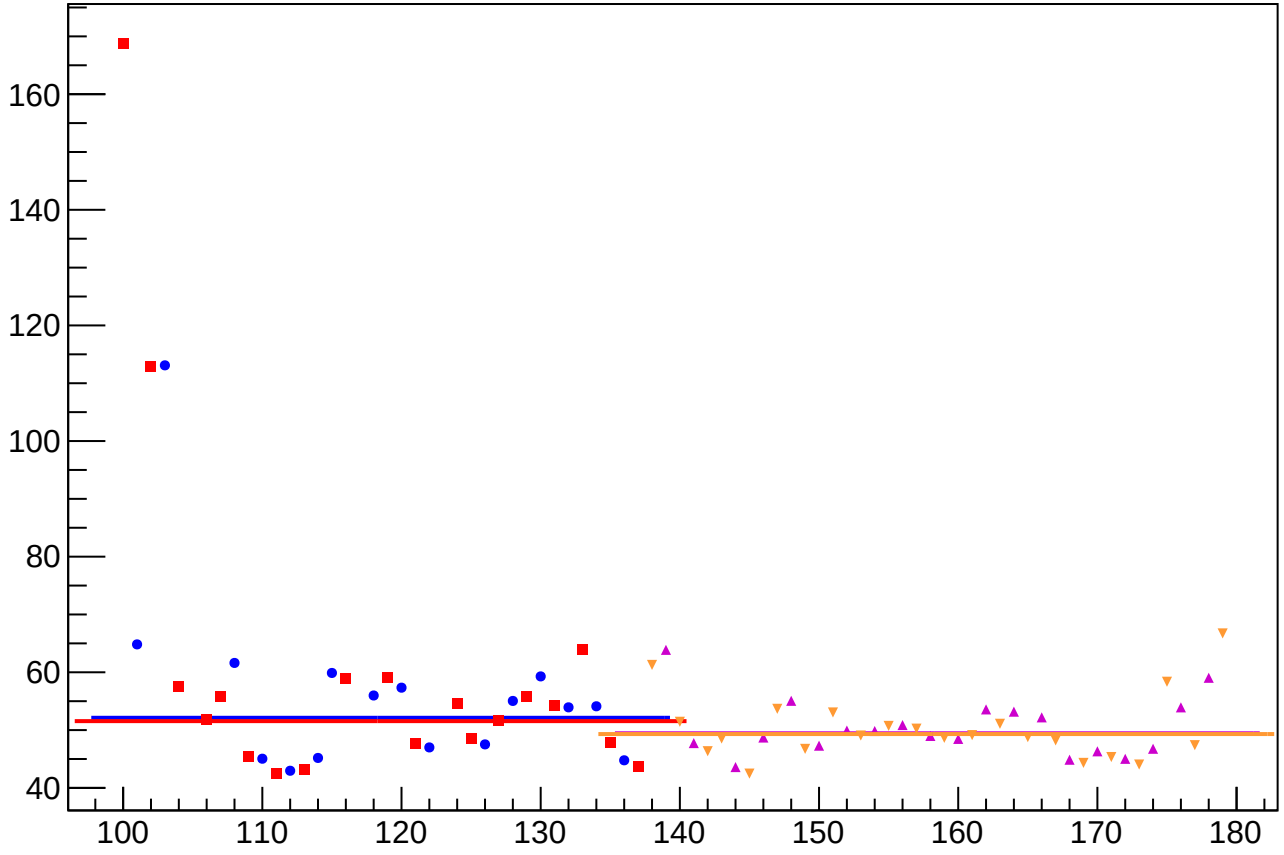
Left In: -50.238+/-12.338 χ^2/NDF:30.3/19

+ sign 34.647+/-10.229 χ^2/NDF: 41.8/37

All: -6.850+/-7.308 χ^2/NDF: 135.1/76

- sign -50.116+/-10.445 χ^2/NDF: 59.7/38

reg_asym_sam_1357_avg_rms vs Slug



Right In: 52.128+/-0.014 χ^2/NDF: 562918.0/15

Left Out: 49.314+/-0.008 χ^2/NDF:342473.6/21

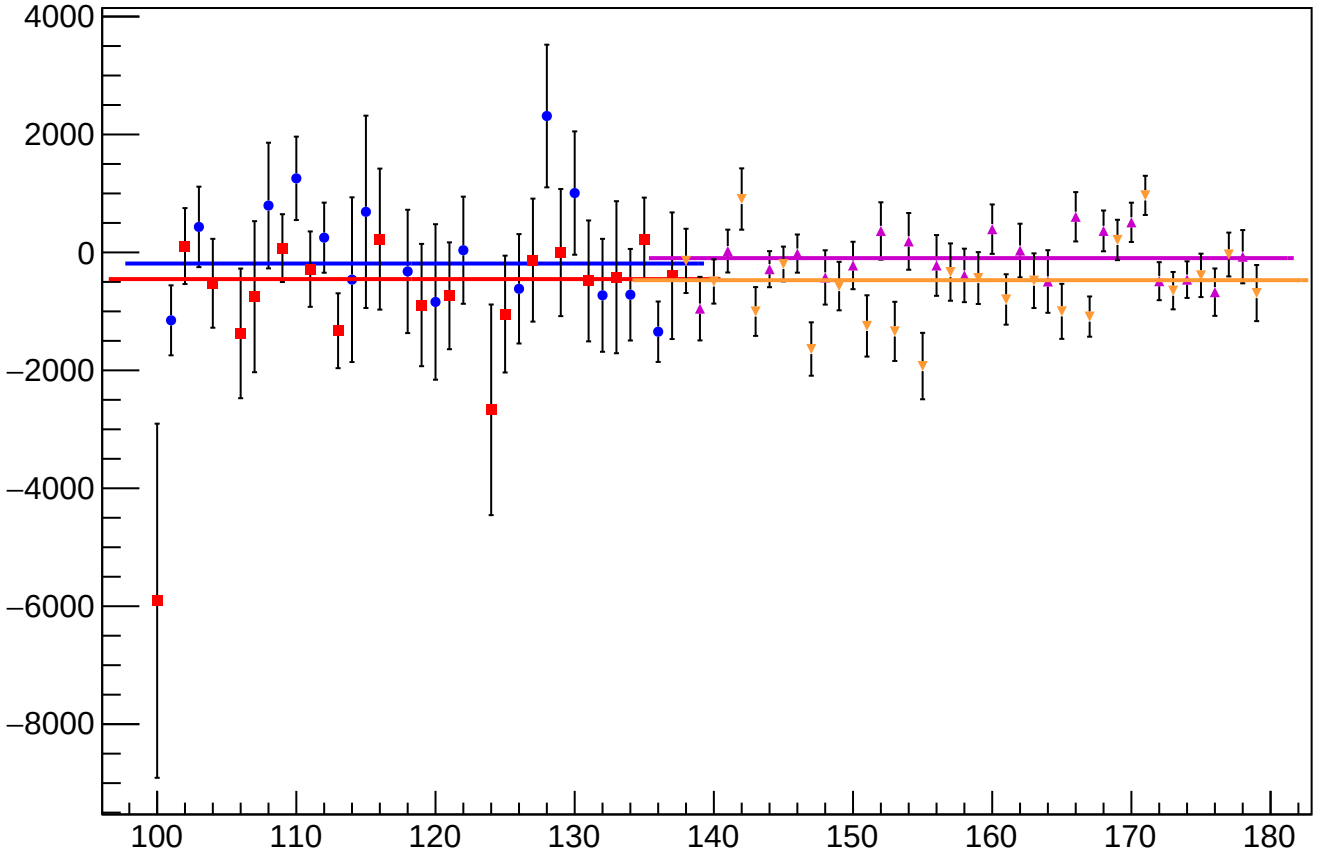
Right Out: 51.550+/-0.014 χ^2/NDF: 639564.9/18

Left In: 49.450+/-0.009 χ^2/NDF:258621.2/19

+ sign 50.050+/-0.007 χ^2/NDF: 934652.3/37

All: 50.048+/-0.005 χ^2/NDF: 1849251.8/76

- sign 50.045+/-0.007 χ^2/NDF: 914599.2/38



Right In: -188.563+/-205.811 χ^2/NDF: 21.4/15

Left Out: -470.900+/-86.893 χ^2/NDF:58.4/21

Right Out: -452.540+/-203.918 χ^2/NDF: 11.3/18

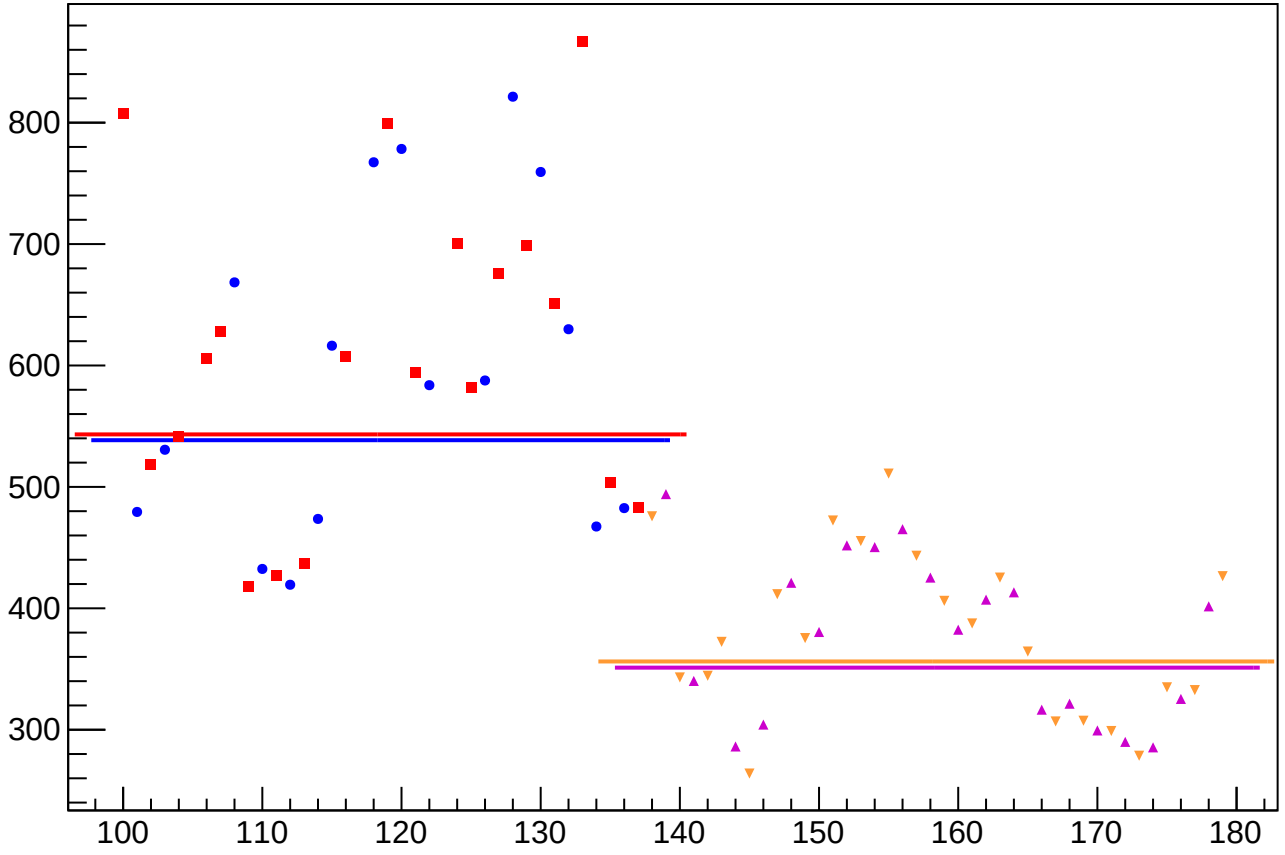
Left In: -96.741+/-88.529 χ^2/NDF:20.2/19

+ sign -428.186+/-80.051 χ^2/NDF: 81.3/37

All: -292.646+/-57.009 χ^2/NDF: 121.2/76

- sign -153.166+/-81.206 χ^2/NDF: 34.1/38

asym_sam_1357_avg_reg_correction_rms vs Slug



Right In: 538.468+/-0.146 χ^2/NDF: 613995.2/15

Left Out: 356.229+/-0.061 χ^2/NDF:1128270.0/21

Right Out: 543.242+/-0.144 χ^2/NDF: 637115.5/18

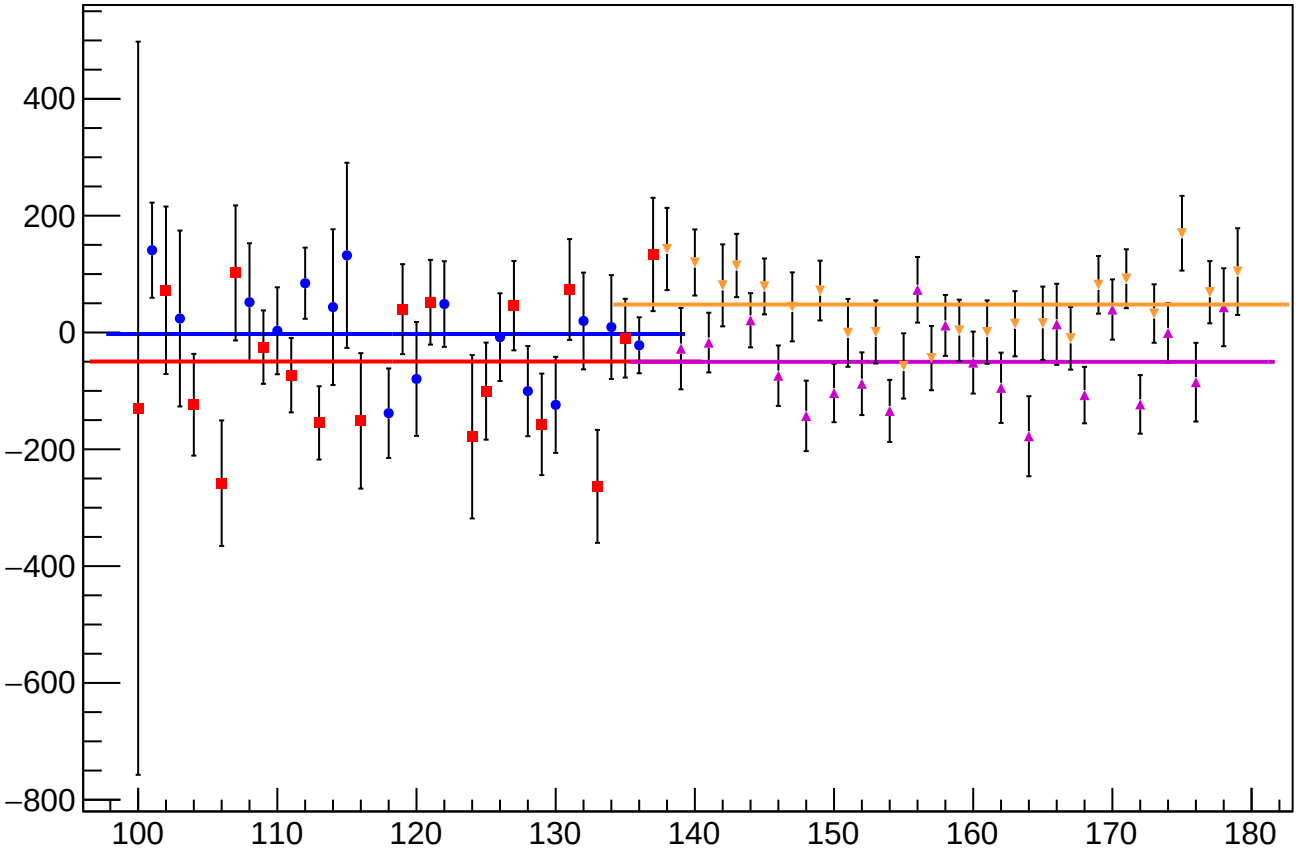
Left In: 351.139+/-0.063 χ^2/NDF:993675.1/19

\+ sign 383.799+/-0.057 χ^2/NDF: 3073135.3/37

All: 382.717+/-0.040 χ^2/NDF: 6198136.3/76

\- sign 381.604+/-0.057 χ^2/NDF: 3124259.7/38

cor_asym_sam_1357_avg_mean vs Slug



Right In: -2.618+/-19.995 χ^2/NDF: 14.6/15

Left Out: 47.857+/-11.904 χ^2/NDF:22.5/21

Right Out: -49.694+/-19.622 χ^2/NDF: 29.3/18

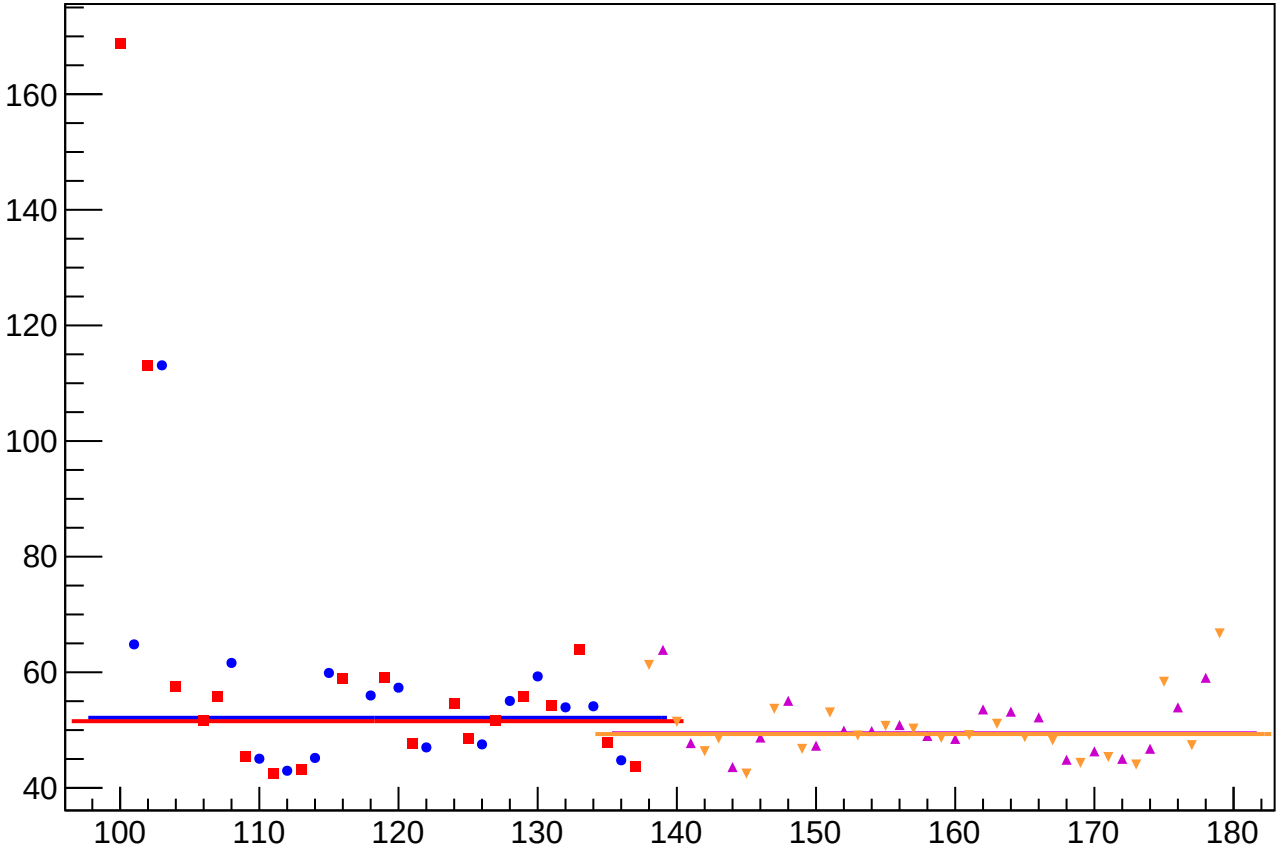
Left In: -50.237+/-12.338 χ^2/NDF:30.3/19

+ sign 34.647+/-10.229 χ^2/NDF: 41.8/37

All: -6.833+/-7.308 χ^2/NDF: 135.0/76

- sign -50.083+/-10.445 χ^2/NDF: 59.6/38

cor_asym_sam_1357_avg_rms vs Slug



Right In: 52.128+/-0.014 χ^2/NDF: 562920.3/15

Left Out: 49.314+/-0.008 χ^2/NDF:342473.6/21

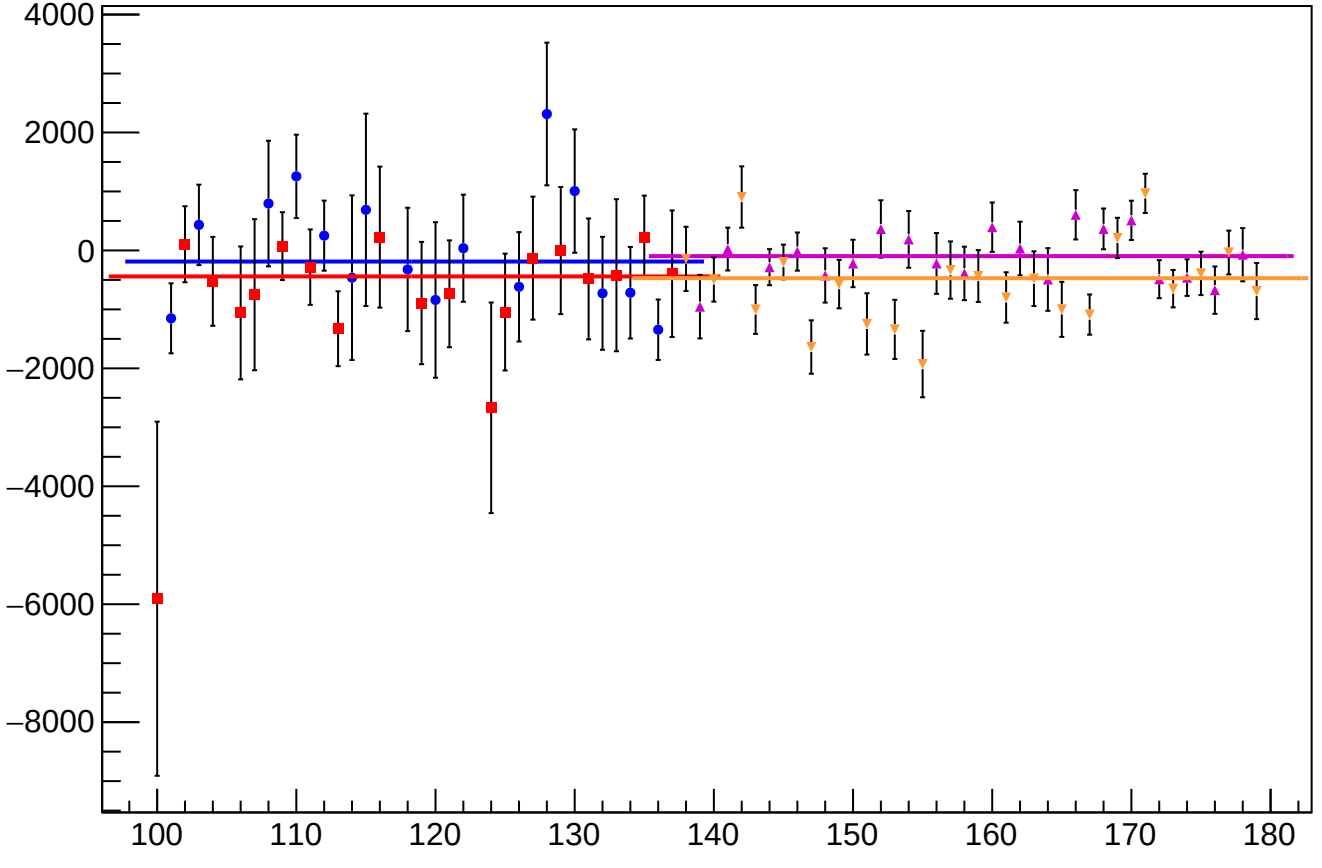
Right Out: 51.540+/-0.014 χ^2/NDF: 639784.7/18

Left In: 49.450+/-0.009 χ^2/NDF:258621.2/19

+ sign 50.050+/-0.007 χ^2/NDF: 934654.6/37

All: 50.046+/-0.005 χ^2/NDF: 1849312.9/76

- sign 50.042+/-0.007 χ^2/NDF: 914657.7/38



Right In: -188.541+/-205.813 χ^2/NDF: 21.4/15

Left Out: -470.897+/-86.893 χ^2/NDF:58.4/21

Right Out: -441.171+/-204.111 χ^2/NDF: 10.9/18

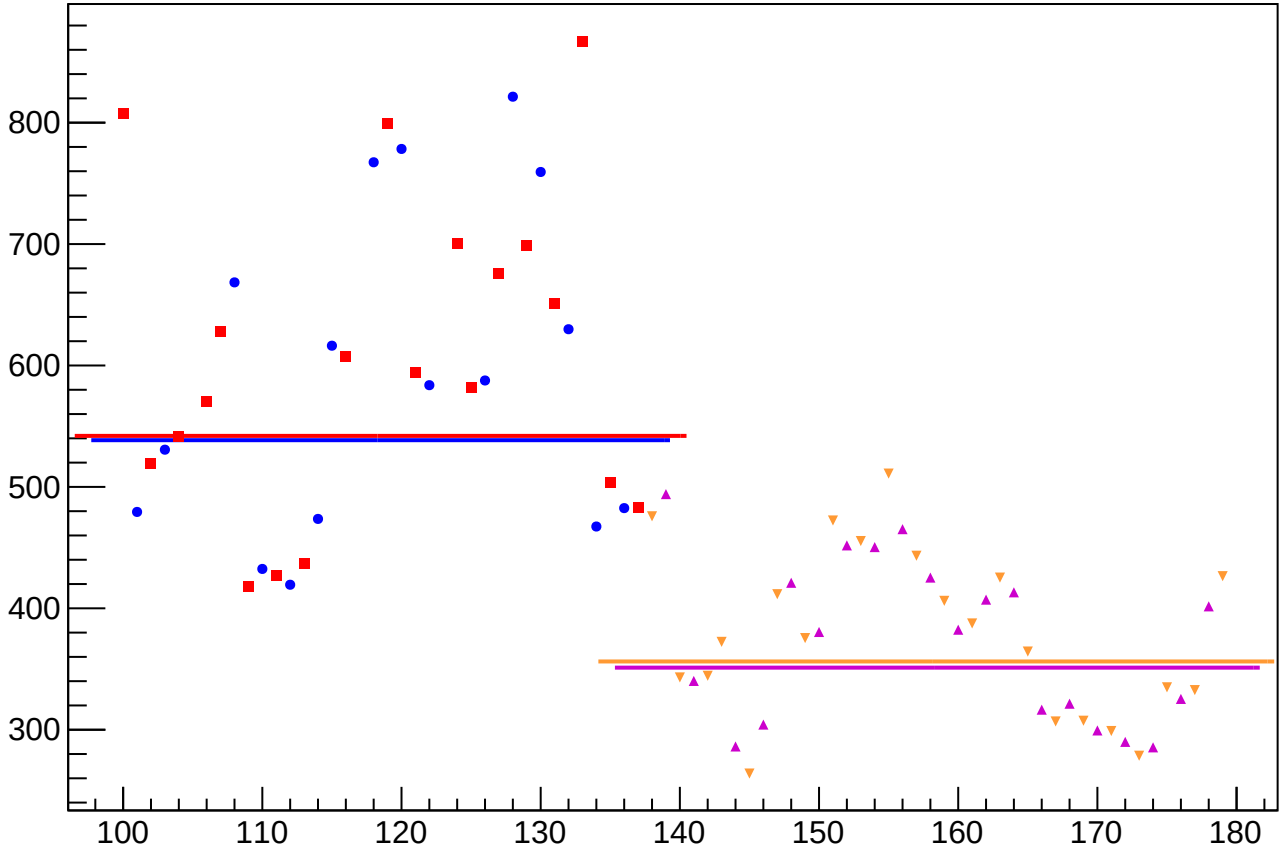
Left In: -96.742+/-88.529 χ^2/NDF:20.2/19

+ sign -428.181+/-80.051 χ^2/NDF: 81.3/37

All: -291.733+/-57.013 χ^2/NDF: 120.7/76

- sign -151.277+/-81.218 χ^2/NDF: 33.5/38

asym_sam_1357_avg_cor_correction_rms vs Slug



Right In: 538.473+/-0.146 χ^2/NDF: 613991.3/15

Left Out: 356.229+/-0.061 χ^2/NDF:1128274.3/21

Right Out: 542.025+/-0.144 χ^2/NDF: 631559.6/18

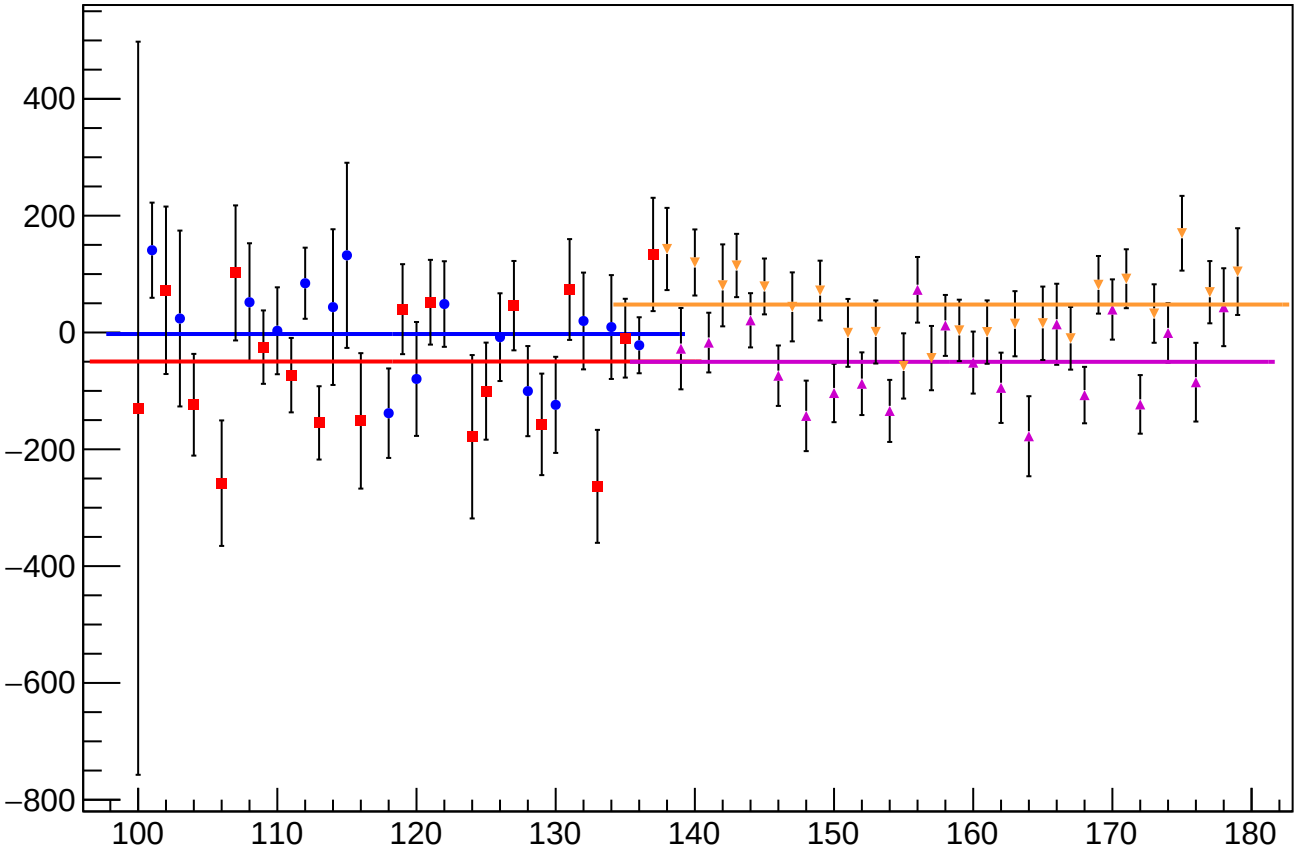
Left In: 351.139+/-0.063 χ^2/NDF:993675.0/19

\+ sign 383.799+/-0.057 χ^2/NDF: 3073194.6/37

All: 382.599+/-0.040 χ^2/NDF: 6171611.8/76

\- sign 381.363+/-0.057 χ^2/NDF: 3097504.3/38

eigen_cor_asym_sam_1357_avg_mean vs Slug



Right In: -2.618+/-19.995 χ^2/NDF: 14.6/15

Left Out: 47.857+/-11.904 χ^2/NDF:22.5/21

Right Out: -49.694+/-19.622 χ^2/NDF: 29.3/18

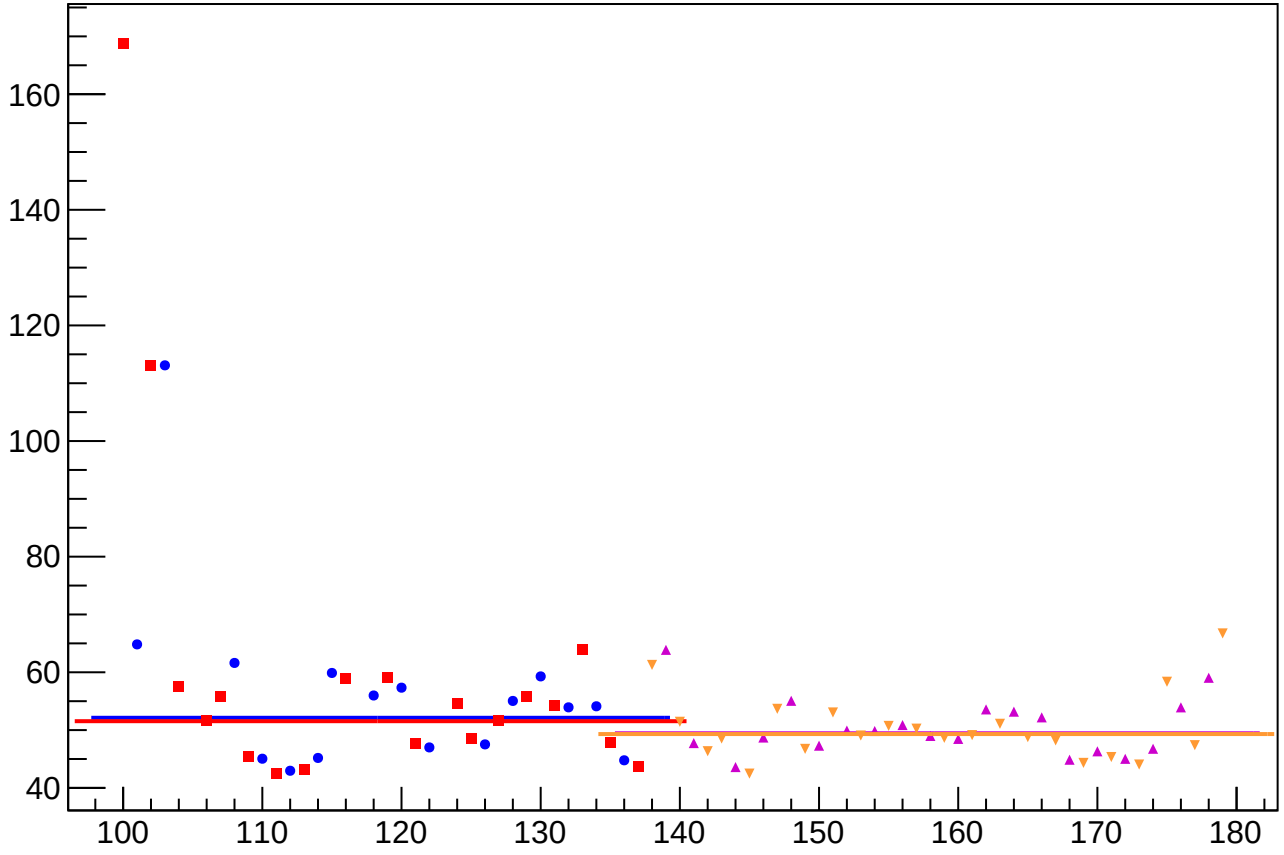
Left In: -50.237+/-12.338 χ^2/NDF:30.3/19

+ sign 34.647+/-10.229 χ^2/NDF: 41.8/37

All: -6.833+/-7.308 χ^2/NDF: 135.0/76

- sign -50.083+/-10.445 χ^2/NDF: 59.6/38

eigen_cor_asym_sam_1357_avg_rms vs Slug



Right In: 52.128+/-0.014 χ^2/NDF: 562920.3/15

Left Out: 49.314+/-0.008 χ^2/NDF:342473.6/21

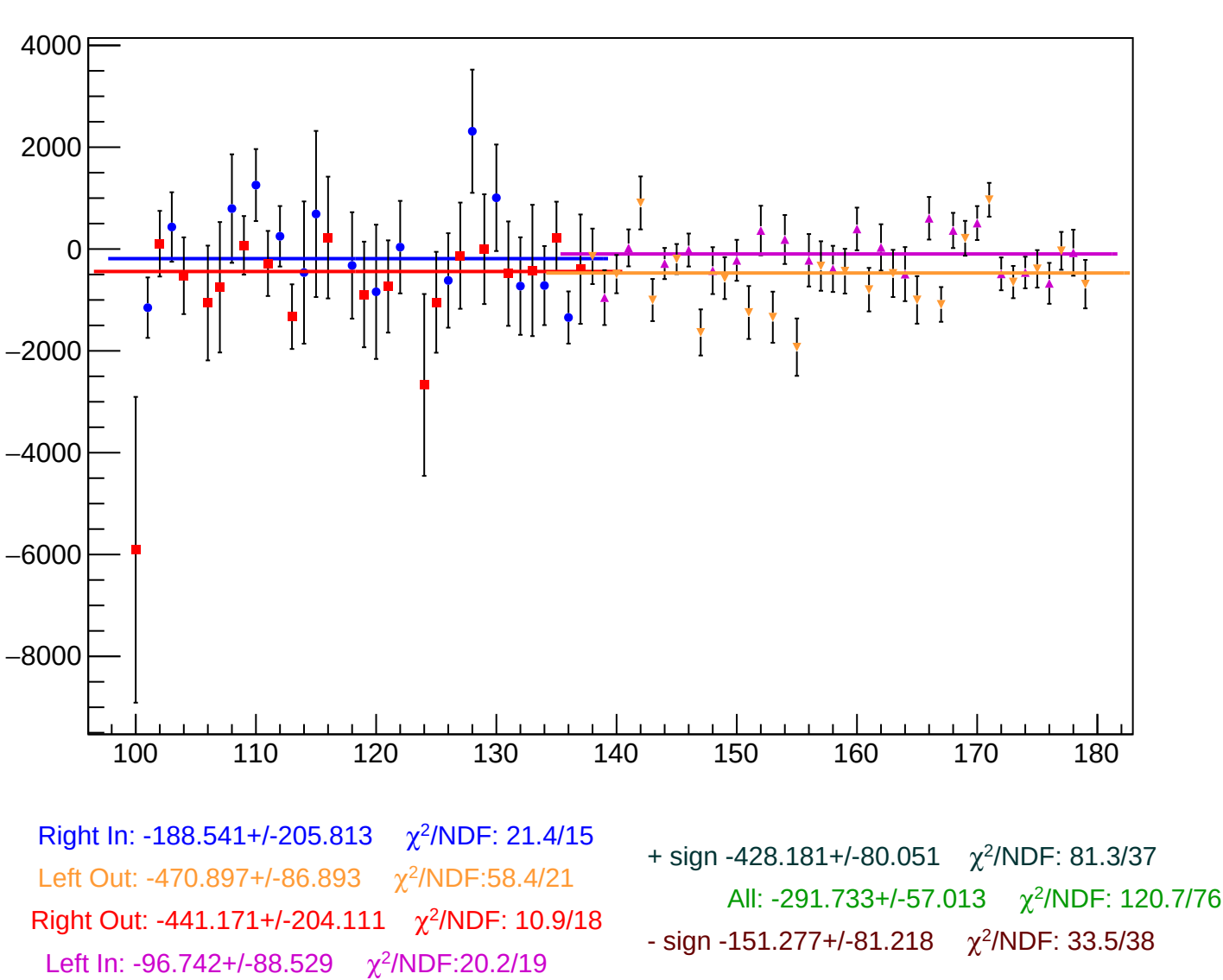
Right Out: 51.540+/-0.014 χ^2/NDF: 639784.7/18

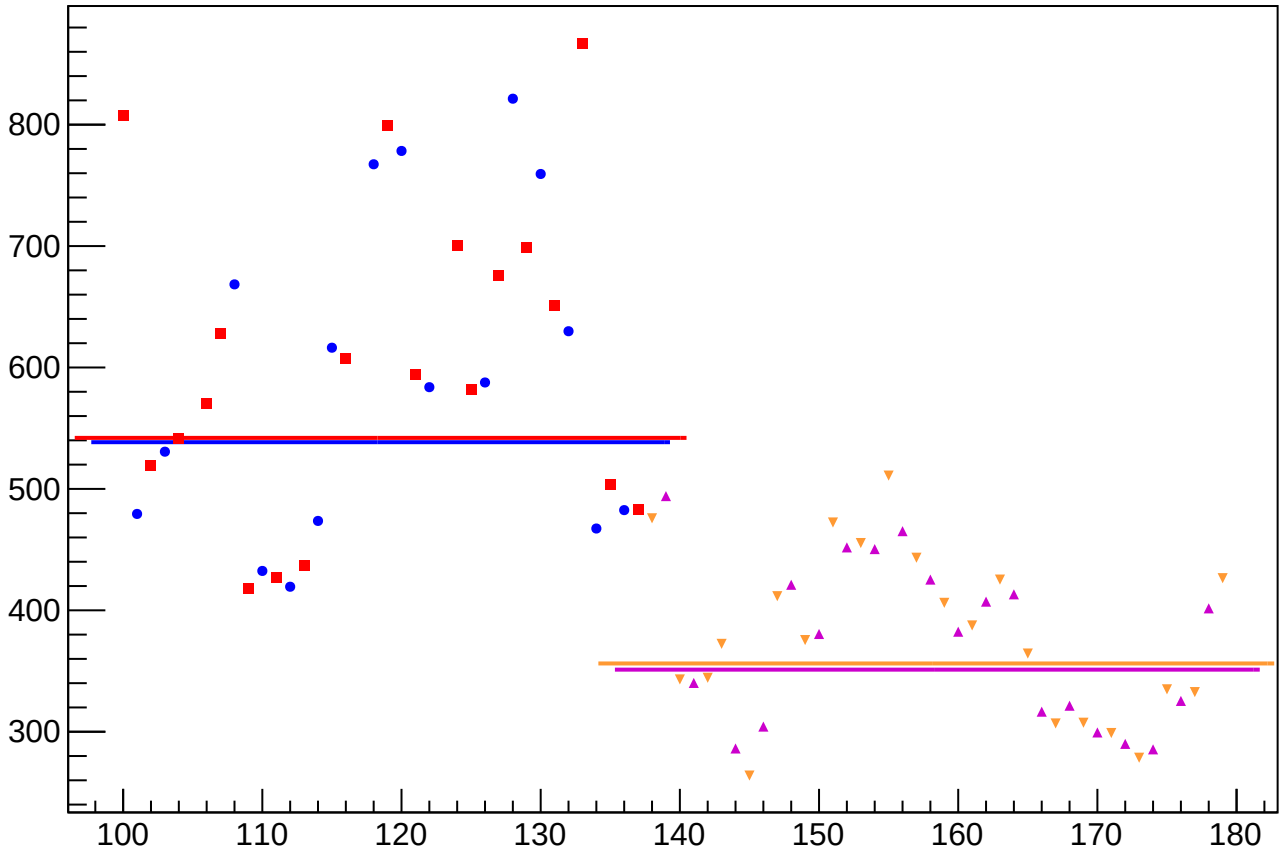
Left In: 49.450+/-0.009 χ^2/NDF:258621.2/19

+ sign 50.050+/-0.007 χ^2/NDF: 934654.6/37

All: 50.046+/-0.005 χ^2/NDF: 1849312.9/76

- sign 50.042+/-0.007 χ^2/NDF: 914657.7/38


asym_sam_1357_avg_eigen_cor_correction_mean vs Slug
4000
2000
0
−2000
−4000
−6000
−8000
100
110
120
130
140
150
160
170
180
Right In: -188.541+/-205.813 χ²/NDF: 21.4/15
Left Out: -470.897+/-86.893 χ²/NDF:58.4/21
Right Out: -441.171+/-204.111 χ²/NDF: 10.9/18
Left In: -96.742+/-88.529 χ²/NDF:20.2/19
+ sign -428.181+/-80.051 χ²/NDF: 81.3/37
All: -291.733+/-57.013 χ²/NDF: 120.7/76
- sign -151.277+/-81.218 χ²/NDF: 33.5/38



Right In: 538.473+/-0.146 χ^2/NDF: 613991.3/15

Left Out: 356.229+/-0.061 χ^2/NDF:1128274.3/21

Right Out: 542.025+/-0.144 χ^2/NDF: 631559.6/18

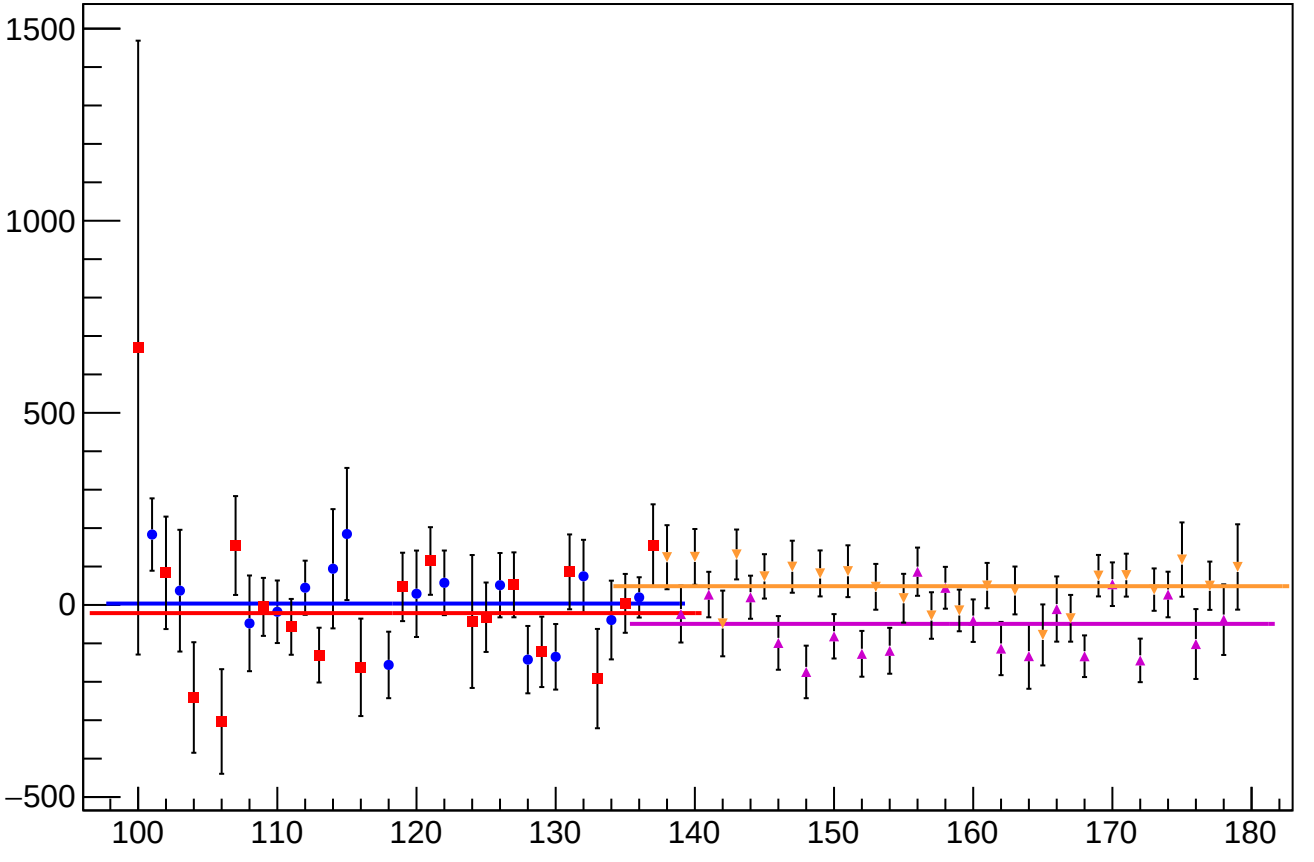
Left In: 351.139+/-0.063 χ^2/NDF:993675.0/19

+ sign 383.799+/-0.057 χ^2/NDF: 3073194.6/37

All: 382.599+/-0.040 χ^2/NDF: 6171611.8/76

- sign 381.363+/-0.057 χ^2/NDF: 3097504.3/38

dit_asym_sam_1357_avg_mean vs Slug



Right In: 3.597+/-22.480 χ^2/NDF: 16.1/15

Left Out: 48.823+/-13.769 χ^2/NDF:15.1/21

Right Out: -21.253+/-22.769 χ^2/NDF: 24.4/18

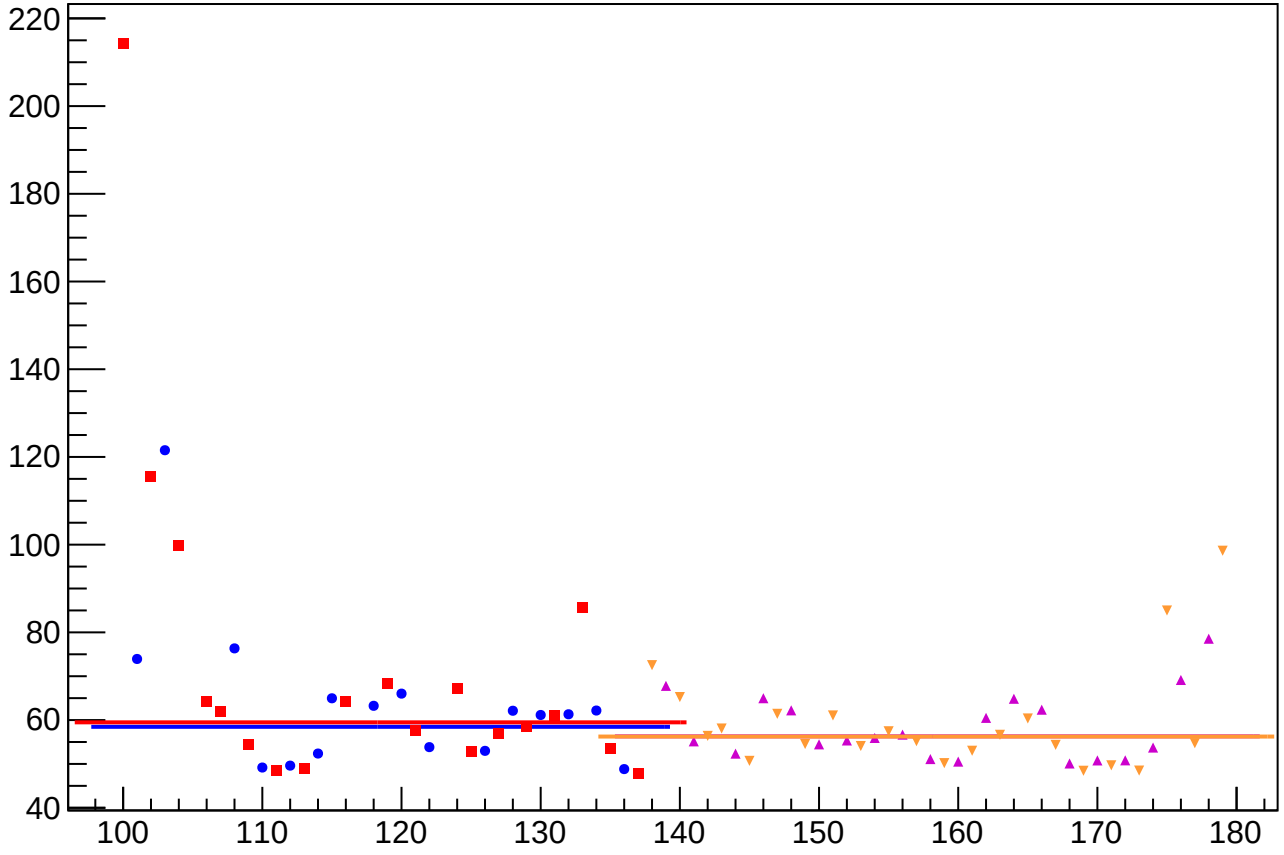
Left In: -49.257+/-14.209 χ^2/NDF:30.8/19

+ sign 36.484+/-11.742 χ^2/NDF: 34.2/37

All: -1.440+/-8.411 χ^2/NDF: 112.0/76

- sign -41.408+/-12.054 χ^2/NDF: 56.3/38

dit_asym_sam_1357_avg_rms vs Slug



Right In: 58.465+/-0.016 χ^2/NDF: 582984.2/15

Left Out: 56.243+/-0.010 χ^2/NDF:770695.6/21

Right Out: 59.484+/-0.016 χ^2/NDF: 784880.1/18

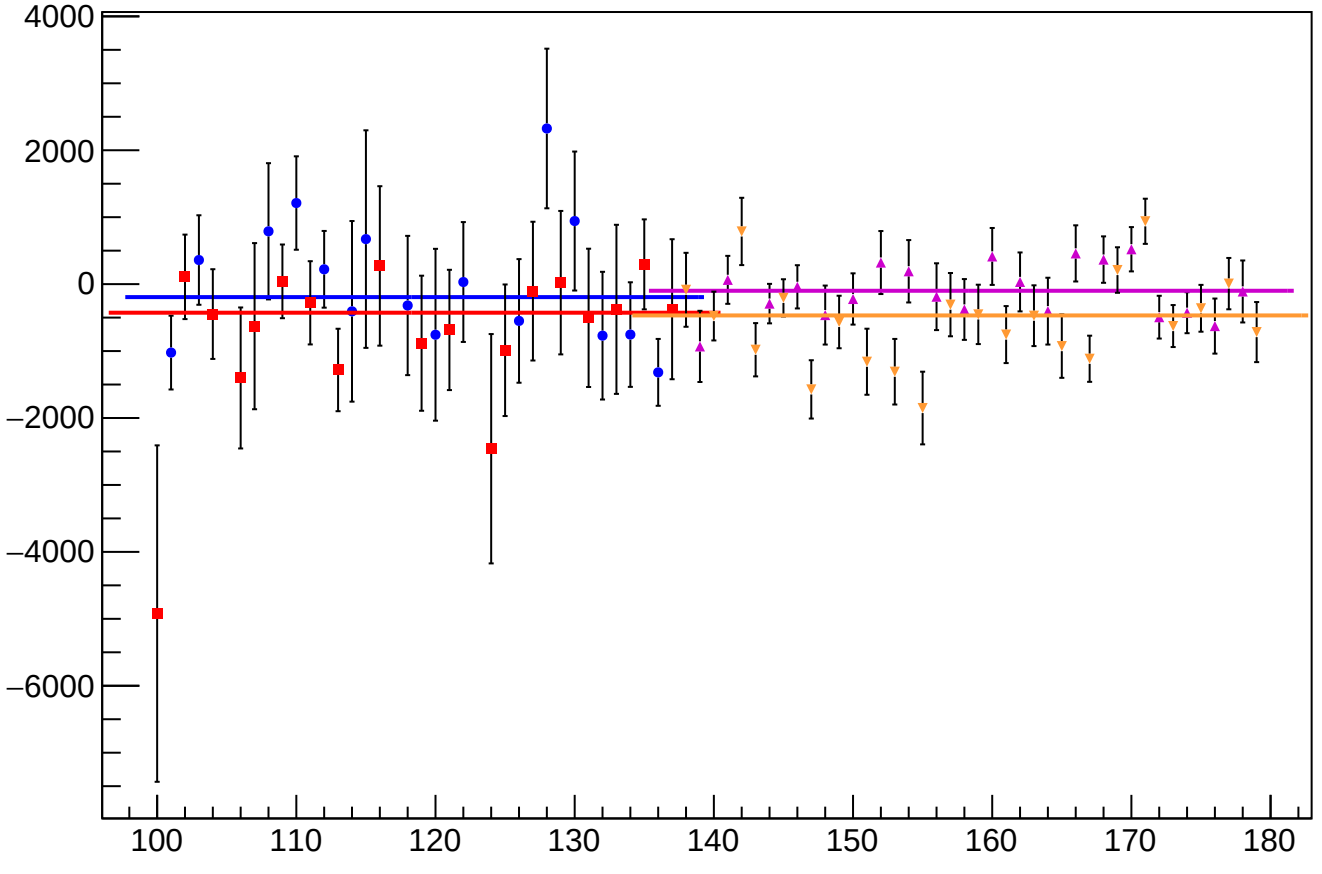
Left In: 56.289+/-0.010 χ^2/NDF:409630.2/19

+ sign 56.849+/-0.008 χ^2/NDF: 1367899.8/37

All: 57.012+/-0.006 χ^2/NDF: 2591544.3/76

- sign 57.185+/-0.009 χ^2/NDF: 1222848.2/38

asym_sam_1357_avg_dit_correction_mean vs Slug



Right In: -193.899+/-200.604 χ^2/NDF: 20.8/15

Left Out: -467.622+/-85.190 χ^2/NDF:55.7/21

Right Out: -426.977+/-197.005 χ^2/NDF: 11.3/18

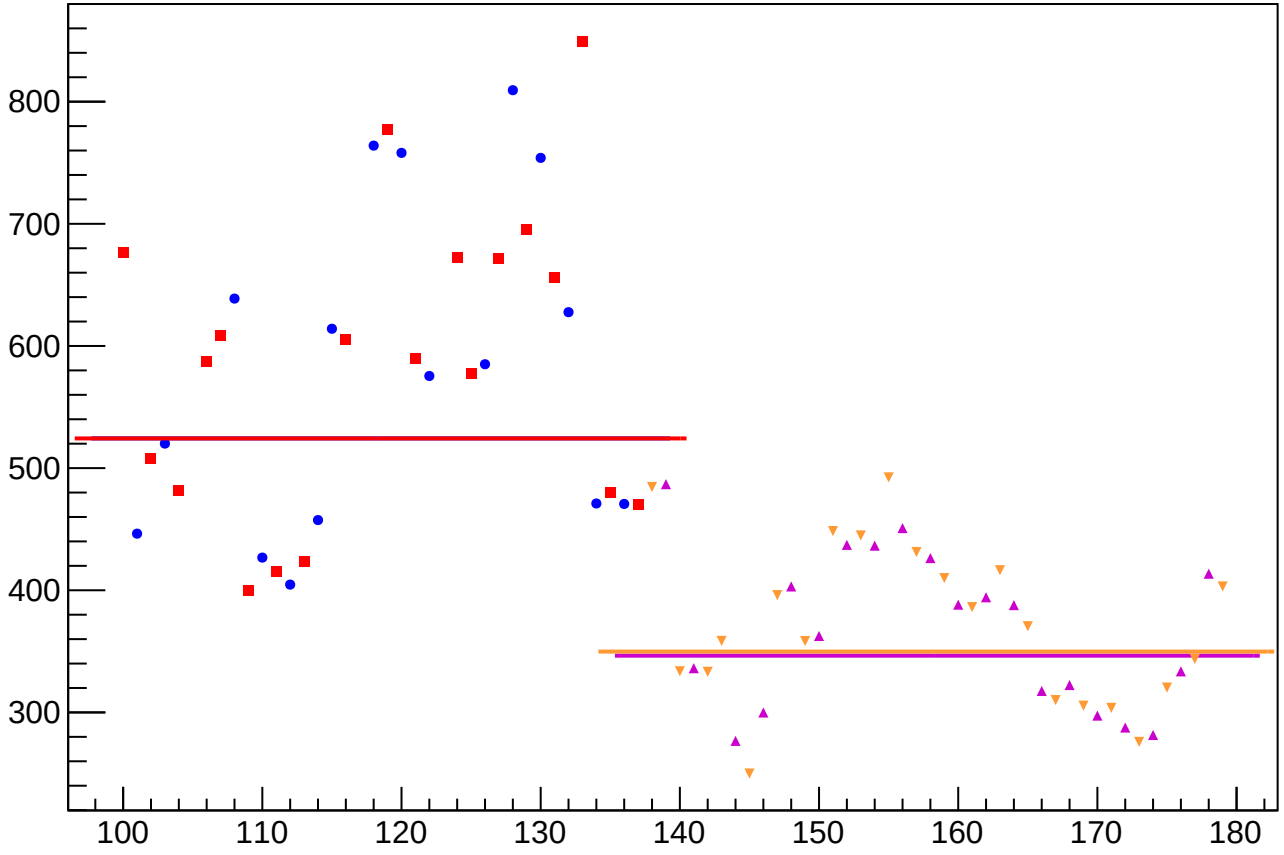
Left In: -99.195+/-87.290 χ^2/NDF:18.8/19

\+ sign -425.801+/-78.412 χ^2/NDF: 78.1/37

All: -291.799+/-55.932 χ^2/NDF: 116.5/76

\- sign -152.987+/-79.807 χ^2/NDF: 32.4/38

asym_sam_1357_avg_dit_correction_rms vs Slug



Right In: 524.326+/-0.142 χ^2/NDF: 658488.5/15

Left Out: 349.810+/-0.060 χ^2/NDF:1110288.6/21

Right Out: 524.306+/-0.139 χ^2/NDF: 686061.2/18

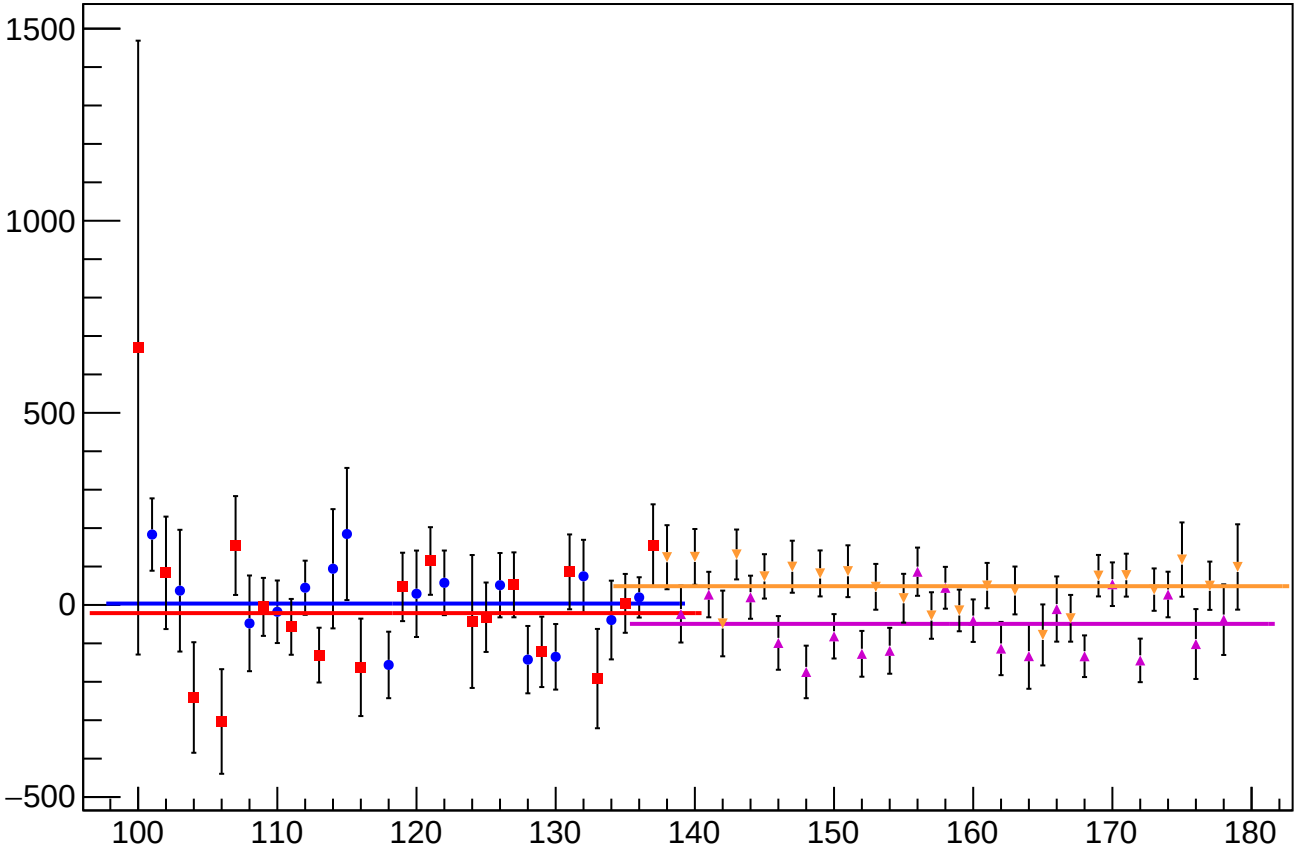
Left In: 346.472+/-0.062 χ^2/NDF:951014.9/19

+ sign 376.474+/-0.055 χ^2/NDF: 3051154.6/37

All: 376.072+/-0.040 χ^2/NDF: 6050587.7/76

- sign 375.656+/-0.056 χ^2/NDF: 2999326.2/38

eigen_dit_asym_sam_1357_avg_mean vs Slug



Right In: 3.597+/-22.480 χ^2/NDF: 16.1/15

Left Out: 48.824+/-13.770 χ^2/NDF:15.1/21

Right Out: -21.251+/-22.769 χ^2/NDF: 24.4/18

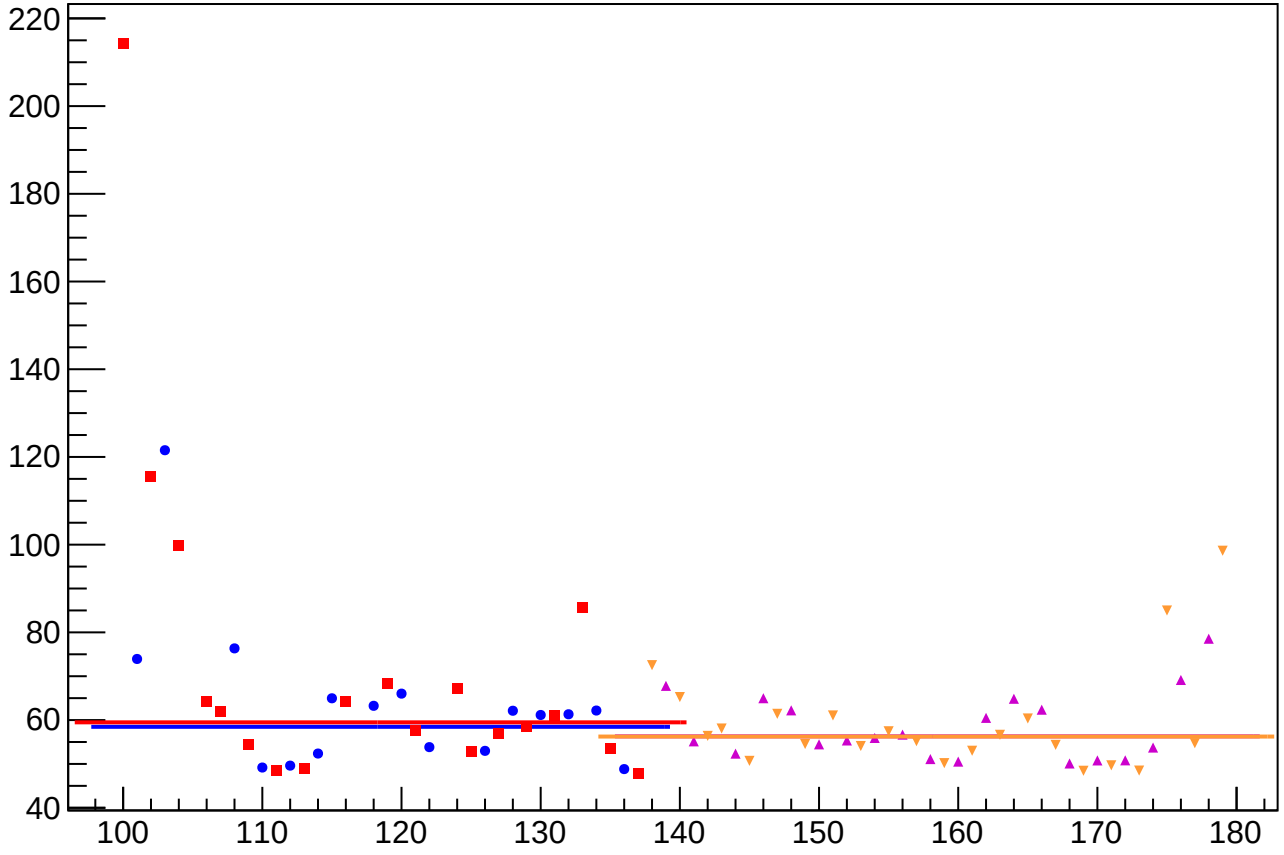
Left In: -49.257+/-14.209 χ^2/NDF:30.8/19

+ sign 36.485+/-11.742 χ^2/NDF: 34.2/37

All: -1.440+/-8.411 χ^2/NDF: 112.0/76

- sign -41.407+/-12.054 χ^2/NDF: 56.3/38

eigen_dit_asym_sam_1357_avg_rms vs Slug



Right In: 58.466+/-0.016 χ^2/NDF: 582980.6/15

Left Out: 56.243+/-0.010 χ^2/NDF:770698.1/21

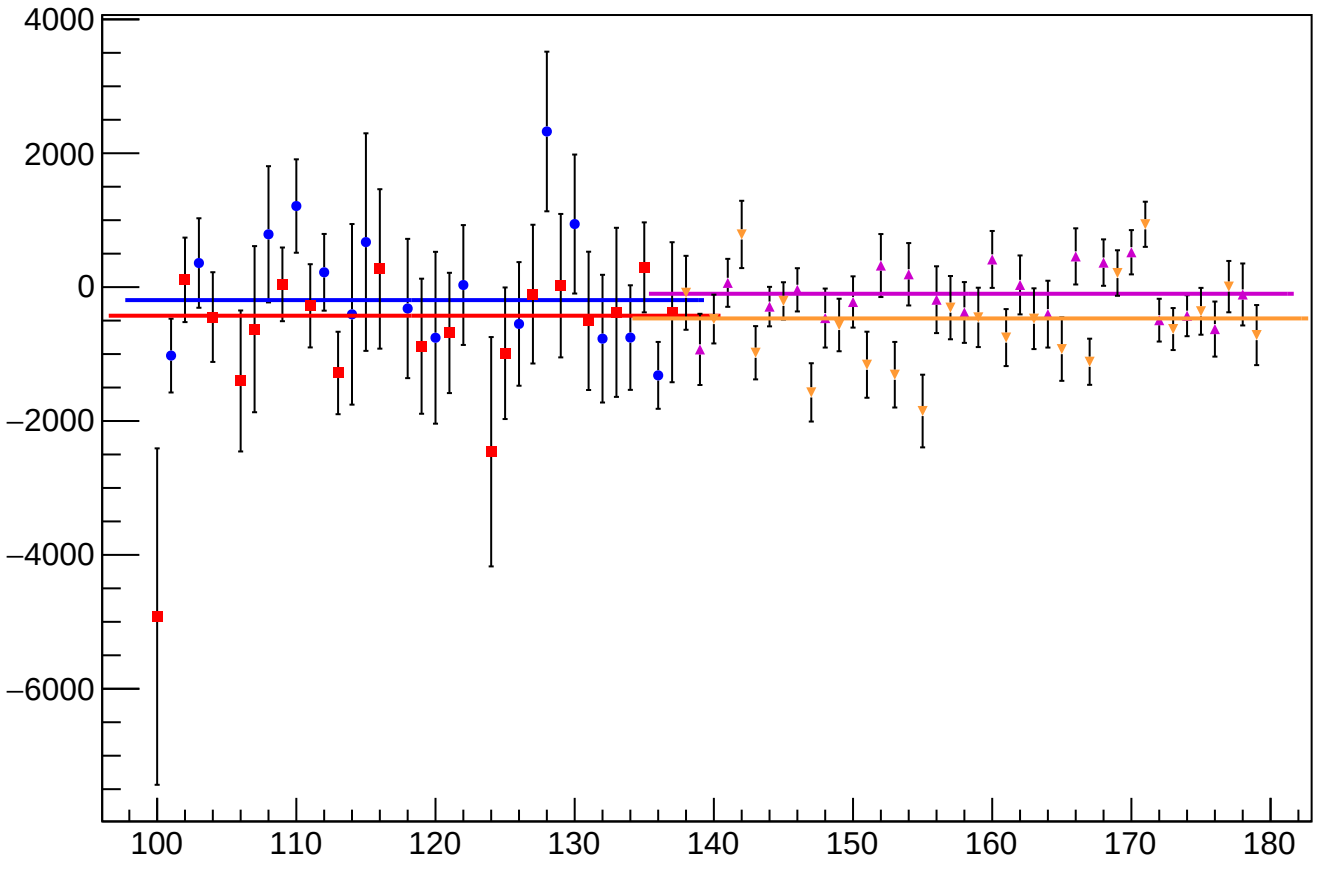
Right Out: 59.484+/-0.016 χ^2/NDF: 784880.2/18

Left In: 56.290+/-0.010 χ^2/NDF:409621.5/19

+ sign 56.849+/-0.008 χ^2/NDF: 1367898.7/37

All: 57.013+/-0.006 χ^2/NDF: 2591534.7/76

- sign 57.185+/-0.009 χ^2/NDF: 1222839.5/38



Right In: -193.899+/-200.603 χ^2/NDF: 20.8/15

Left Out: -467.622+/-85.190 χ^2/NDF:55.7/21

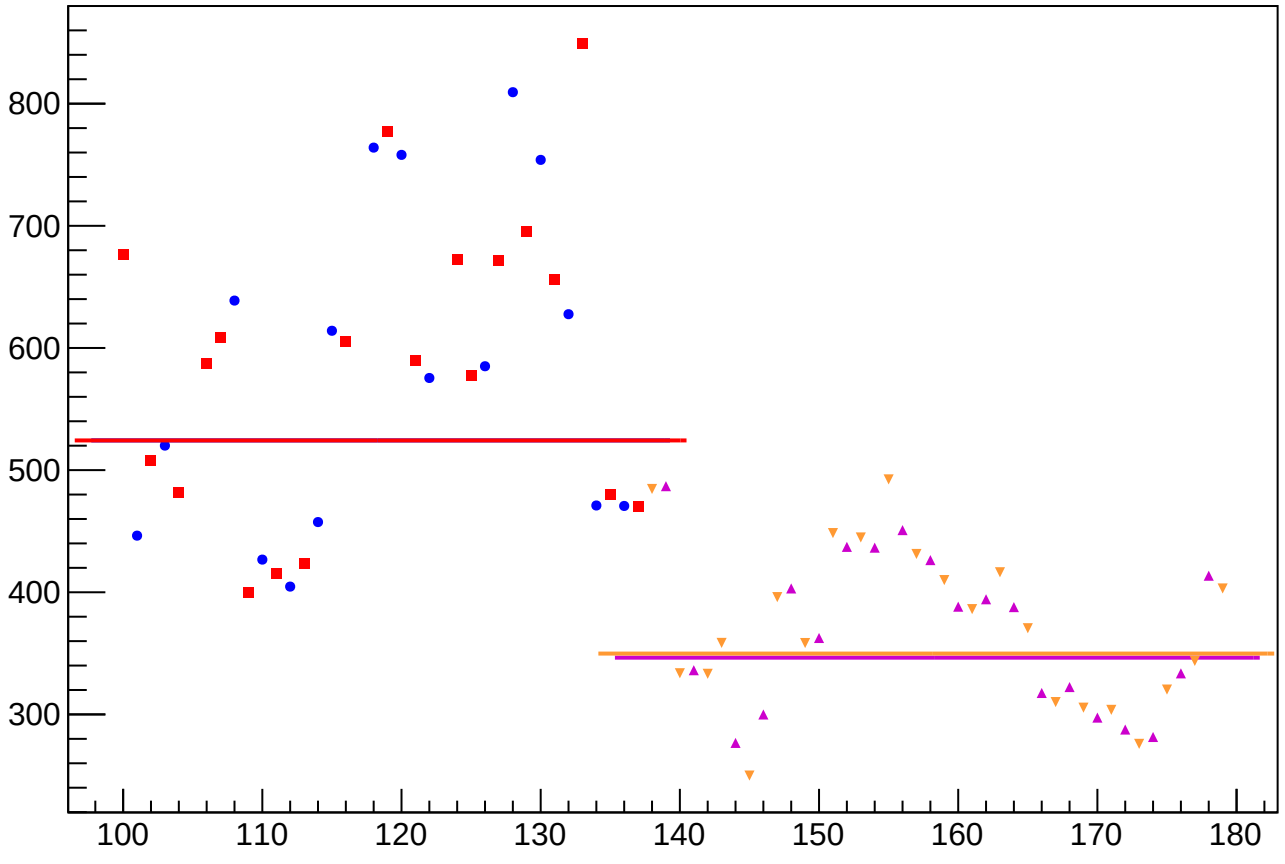
Right Out: -426.976+/-197.005 χ^2/NDF: 11.3/18

Left In: -99.195+/-87.290 χ^2/NDF:18.8/19

+ sign -425.800+/-78.412 χ^2/NDF: 78.1/37

All: -291.798+/-55.932 χ^2/NDF: 116.5/76

- sign -152.986+/-79.807 χ^2/NDF: 32.4/38



Right In: 524.325+/-0.142 χ^2/NDF: 658493.8/15

Left Out: 349.810+/-0.060 χ^2/NDF:1110284.0/21

Right Out: 524.305+/-0.139 χ^2/NDF: 686063.6/18

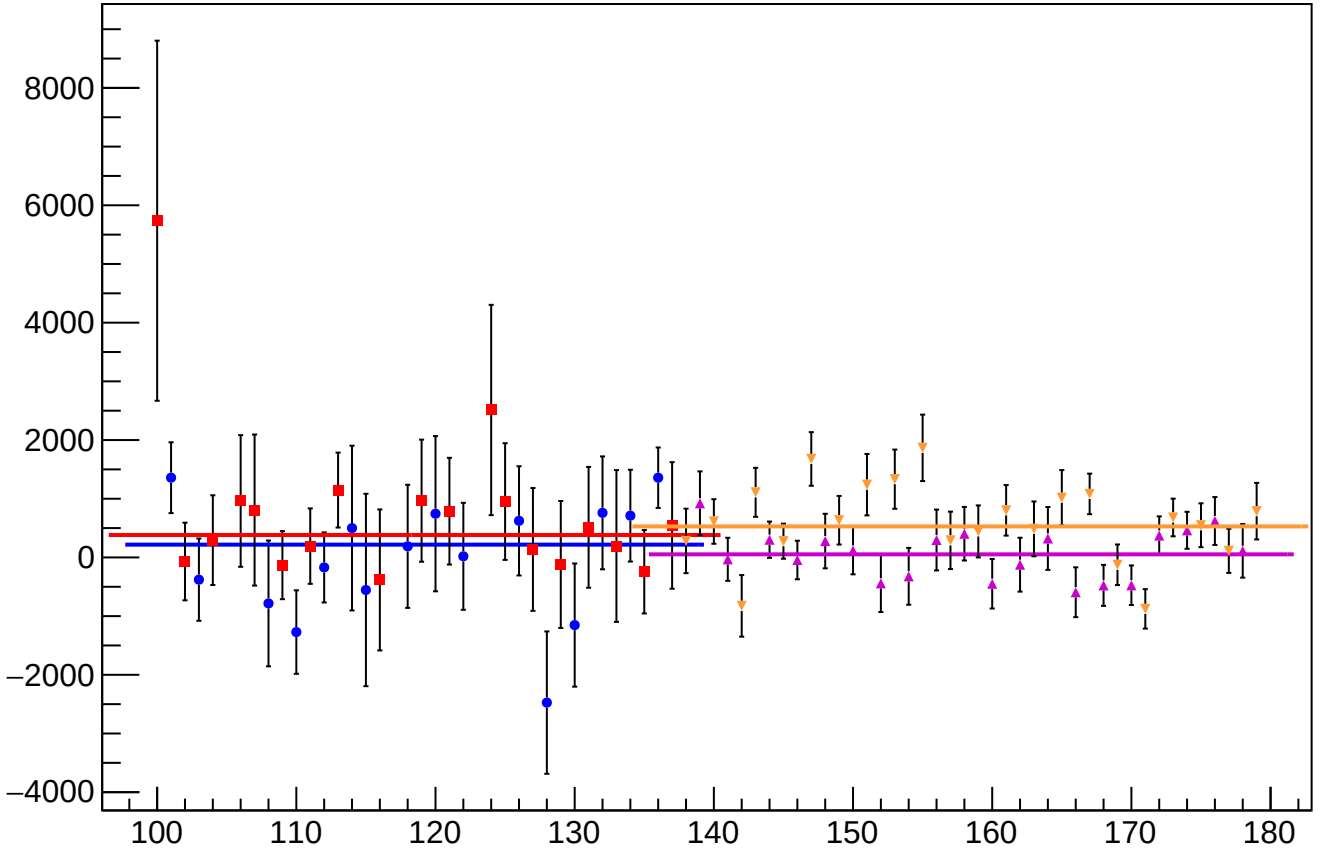
Left In: 346.472+/-0.062 χ^2/NDF:951007.9/19

+ sign 376.474+/-0.055 χ^2/NDF: 3051148.4/37

All: 376.072+/-0.040 χ^2/NDF: 6050568.3/76

- sign 375.656+/-0.056 χ^2/NDF: 2999313.0/38

asym_sam_1357_avg_mean vs Slug



Right In: 217.756+/-207.492 χ^2/NDF: 22.9/15

Left Out: 528.432+/-87.787 χ^2/NDF:53.1/21

Right Out: 381.836+/-205.585 χ^2/NDF: 10.0/18

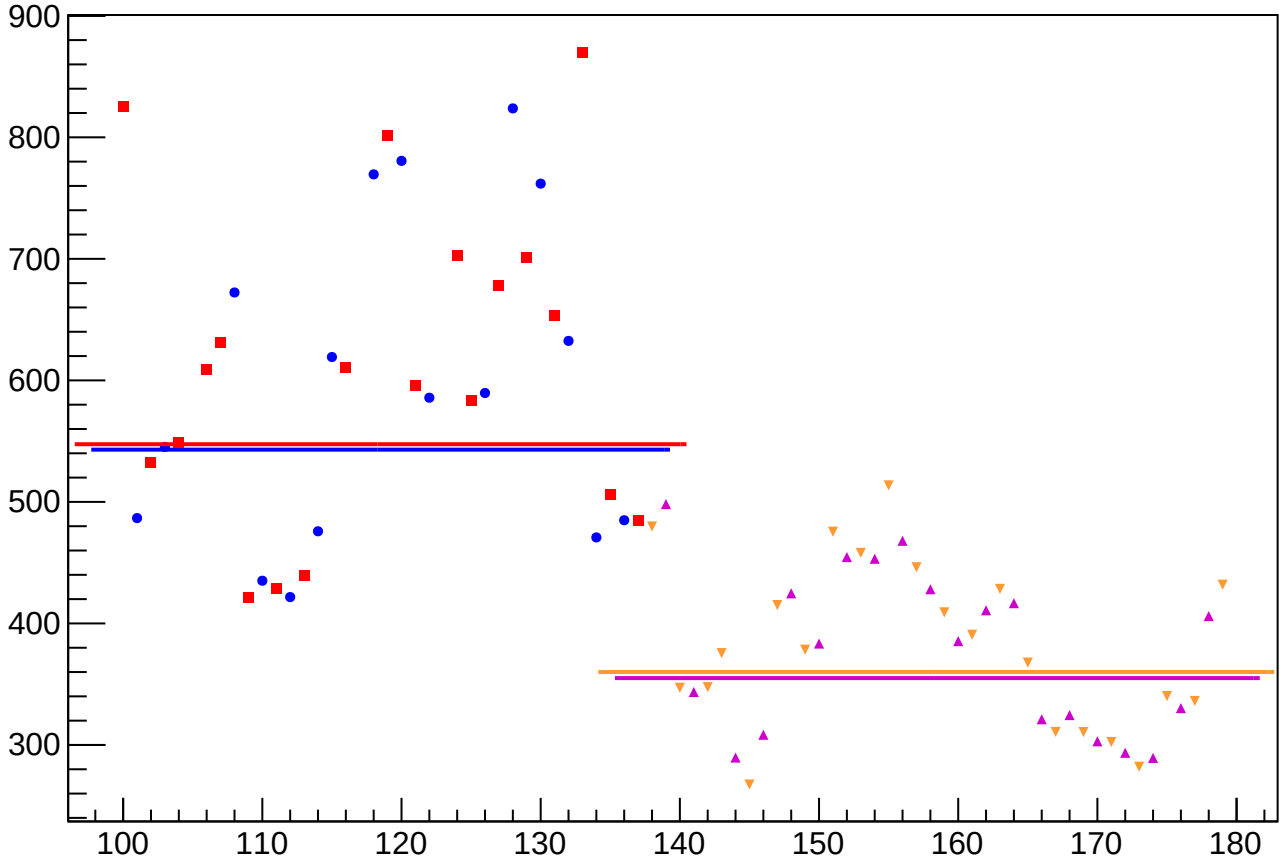
Left In: 52.500+/-89.469 χ^2/NDF:19.5/19

+ sign 481.264+/-80.849 χ^2/NDF: 77.9/37

All: 295.849+/-57.584 χ^2/NDF: 120.2/76

- sign 104.942+/-82.037 χ^2/NDF: 31.7/38

asym_sam_1357_avg_rms vs Slug



Right In: 542.997+/-0.147 χ^2/NDF: 605250.7/15

Left Out: 360.035+/-0.062 χ^2/NDF:1102995.0/21

Right Out: 547.465+/-0.145 χ^2/NDF: 630284.0/18

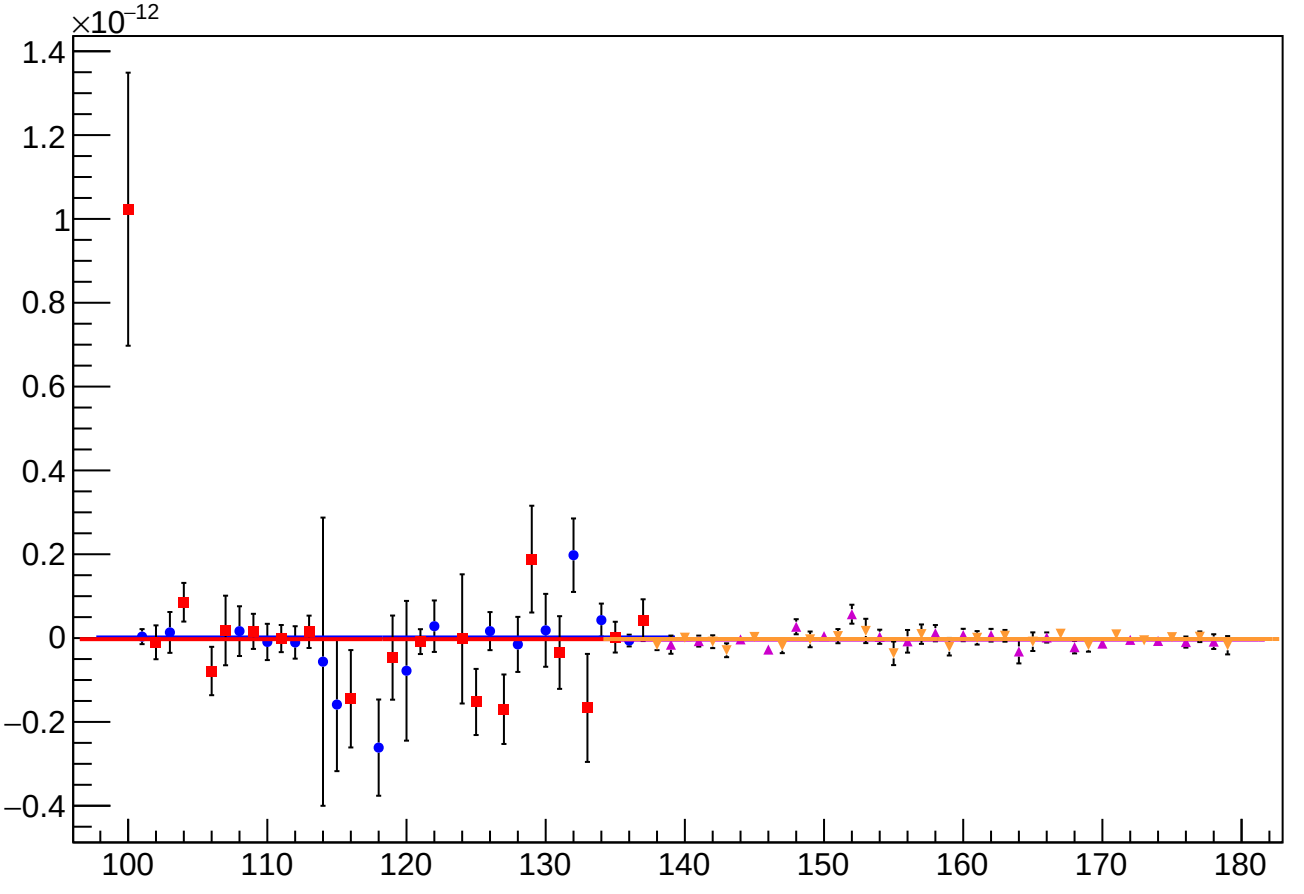
Left In: 355.016+/-0.063 χ^2/NDF:969212.7/19

+ sign 387.813+/-0.057 χ^2/NDF: 3027223.9/37

All: 386.753+/-0.041 χ^2/NDF: 6100918.4/76

- sign 385.661+/-0.058 χ^2/NDF: 3072996.0/38

asym_sam_1357_avg_reg_vs_cor_diff_mean vs Slug



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

Left Out: -0.000+/-0.000 χ^2/NDF:12.8/21

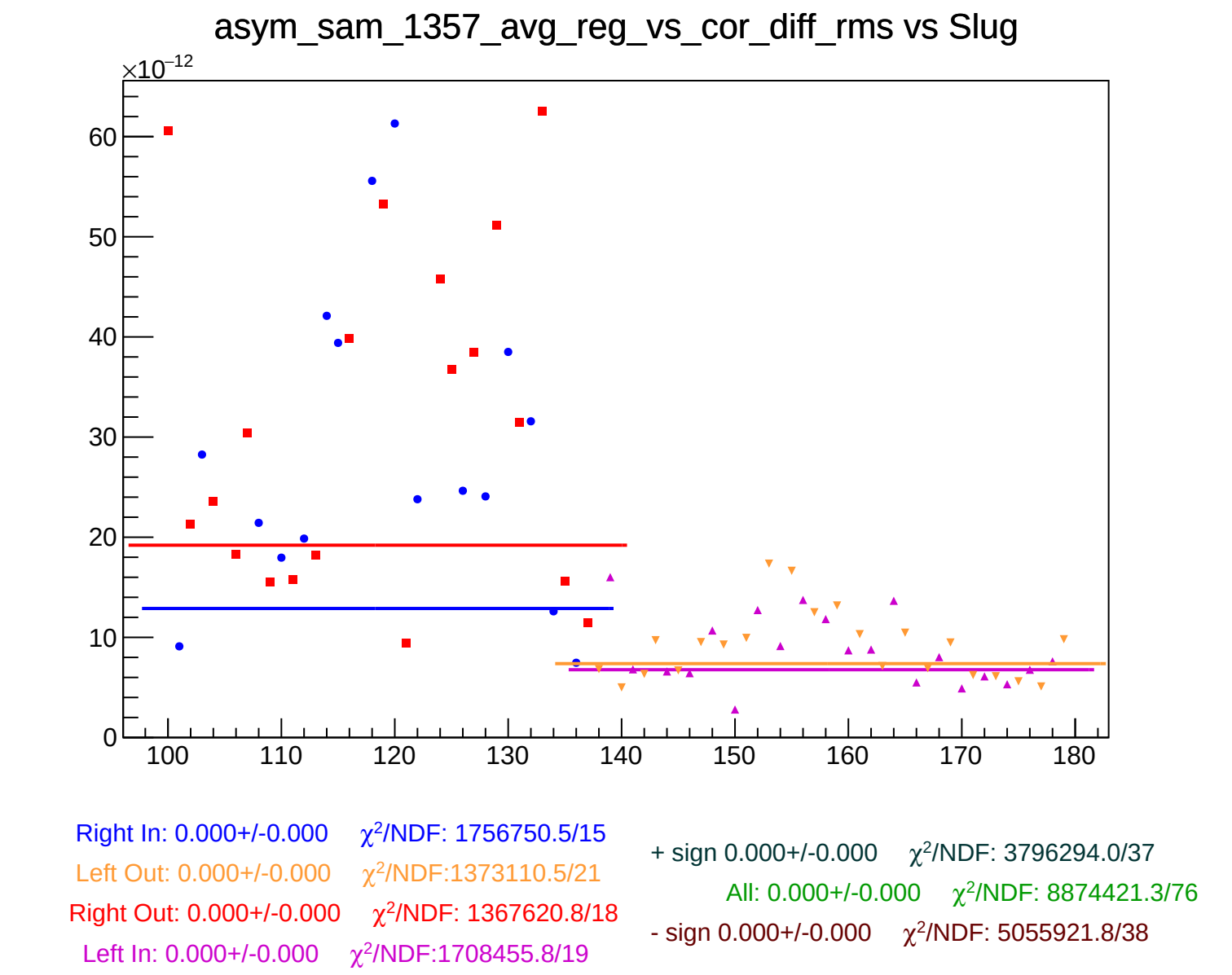
Right Out: -0.000+/-0.000 χ^2/NDF: 30.1/18

Left In: -0.000+/-0.000 χ^2/NDF:21.6/19

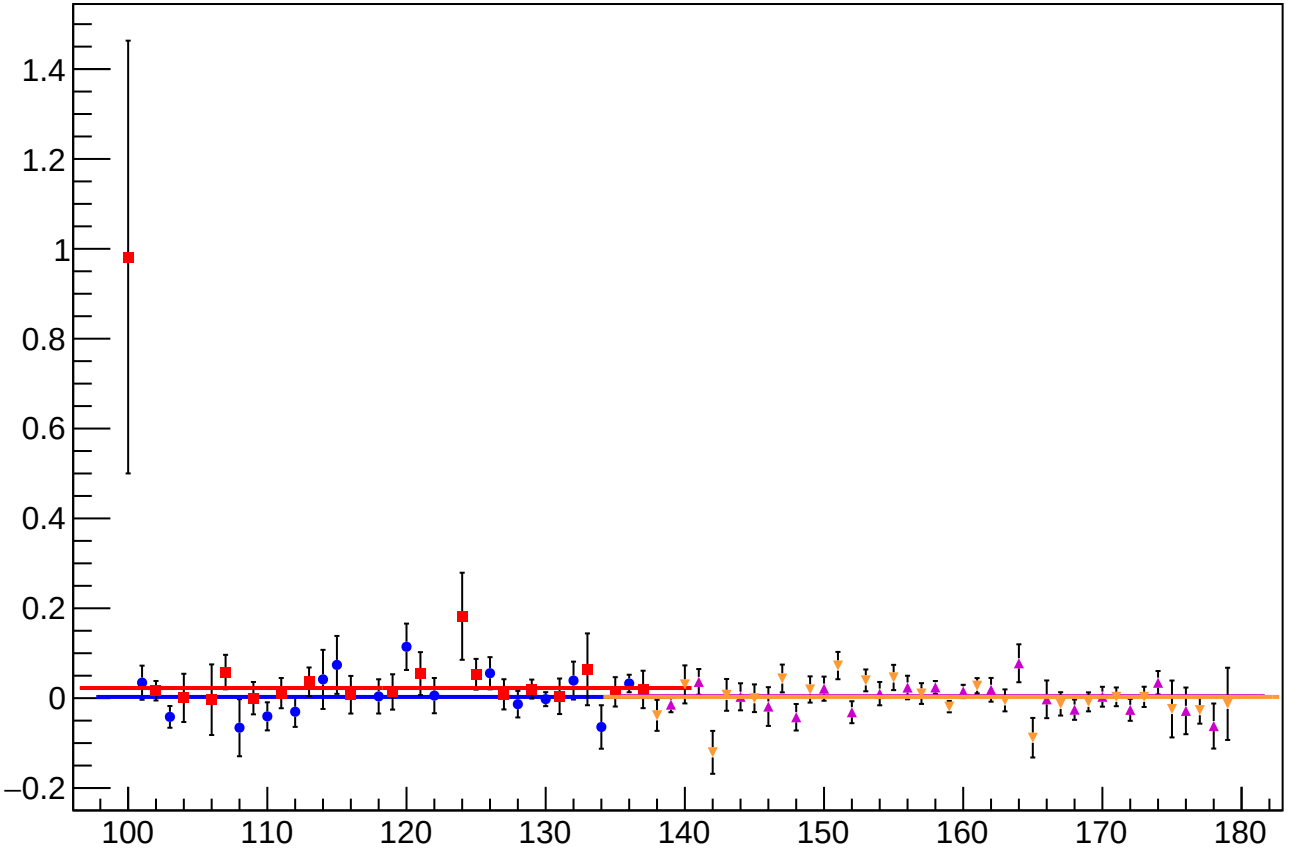
+ sign -0.000+/-0.000 χ^2/NDF: 26.5/37

All: -0.000+/-0.000 χ^2/NDF: 78.4/76

- sign -0.000+/-0.000 χ^2/NDF: 51.7/38


asym_sam_1357_avg_reg_vs_cor_diff_rms vs Slug
×10^−12
60
50
40
30
20
10
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1756750.5/15
Left Out: 0.000+/-0.000 χ²/NDF:1373110.5/21
Right Out: 0.000+/-0.000 χ²/NDF: 1367620.8/18
Left In: 0.000+/-0.000 χ²/NDF:1708455.8/19
+ sign 0.000+/-0.000 χ²/NDF: 3796294.0/37
All: 0.000+/-0.000 χ²/NDF: 8874421.3/76
- sign 0.000+/-0.000 χ²/NDF: 5055921.8/38

asym_sam_1357_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: 0.003+/-0.005 χ^2/NDF:31.9/21

Right Out: 0.023+/-0.008 χ^2/NDF: 10.8/18

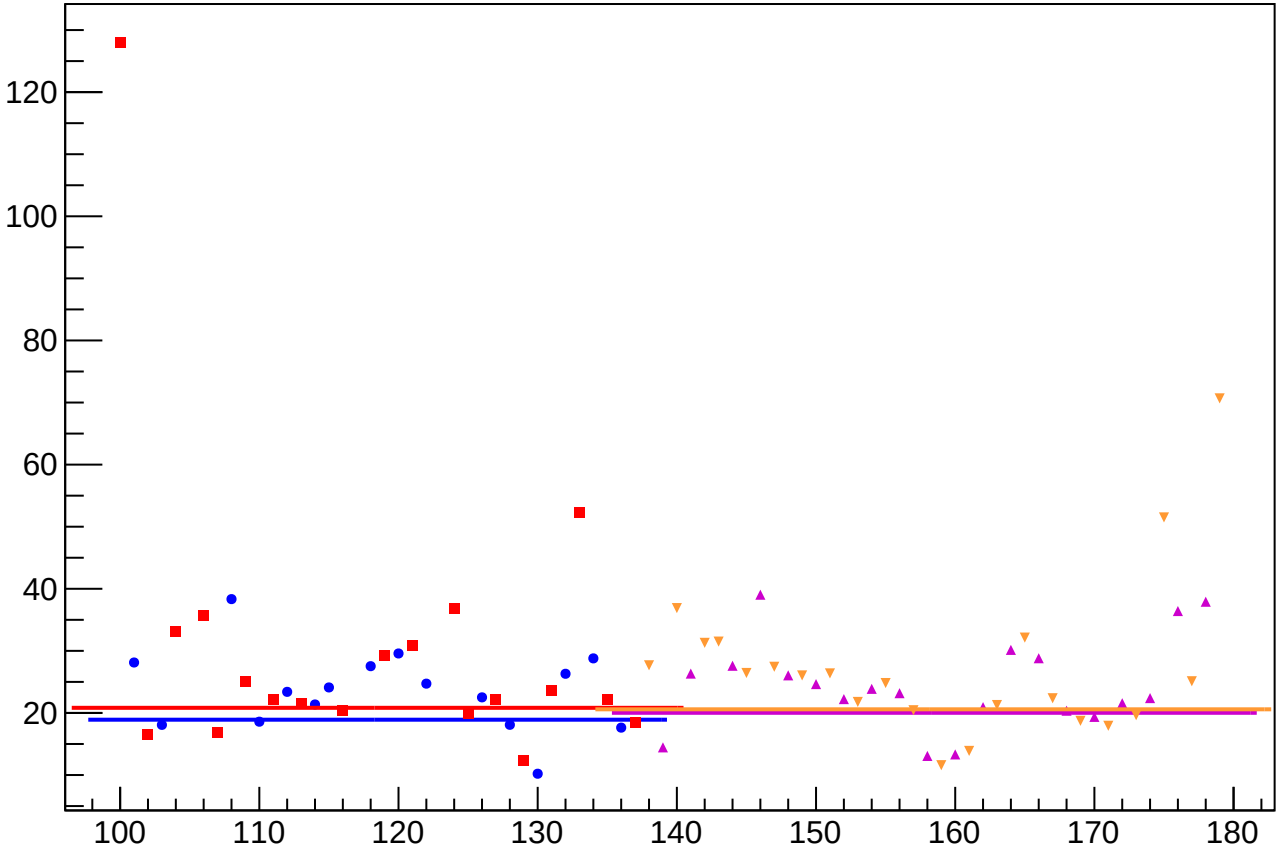
Left In: 0.004+/-0.005 χ^2/NDF:20.9/19

+ sign 0.003+/-0.004 χ^2/NDF: 53.9/37

All: 0.006+/-0.003 χ^2/NDF: 90.0/76

- sign 0.010+/-0.005 χ^2/NDF: 34.9/38

asym_sam_1357_avg_dit_vs_cor_diff_rms vs Slug



Right In: 18.911+/-0.006 χ^2/NDF: 1390349.2/15

Left Out: 20.585+/-0.004 χ^2/NDF:3860020.7/21

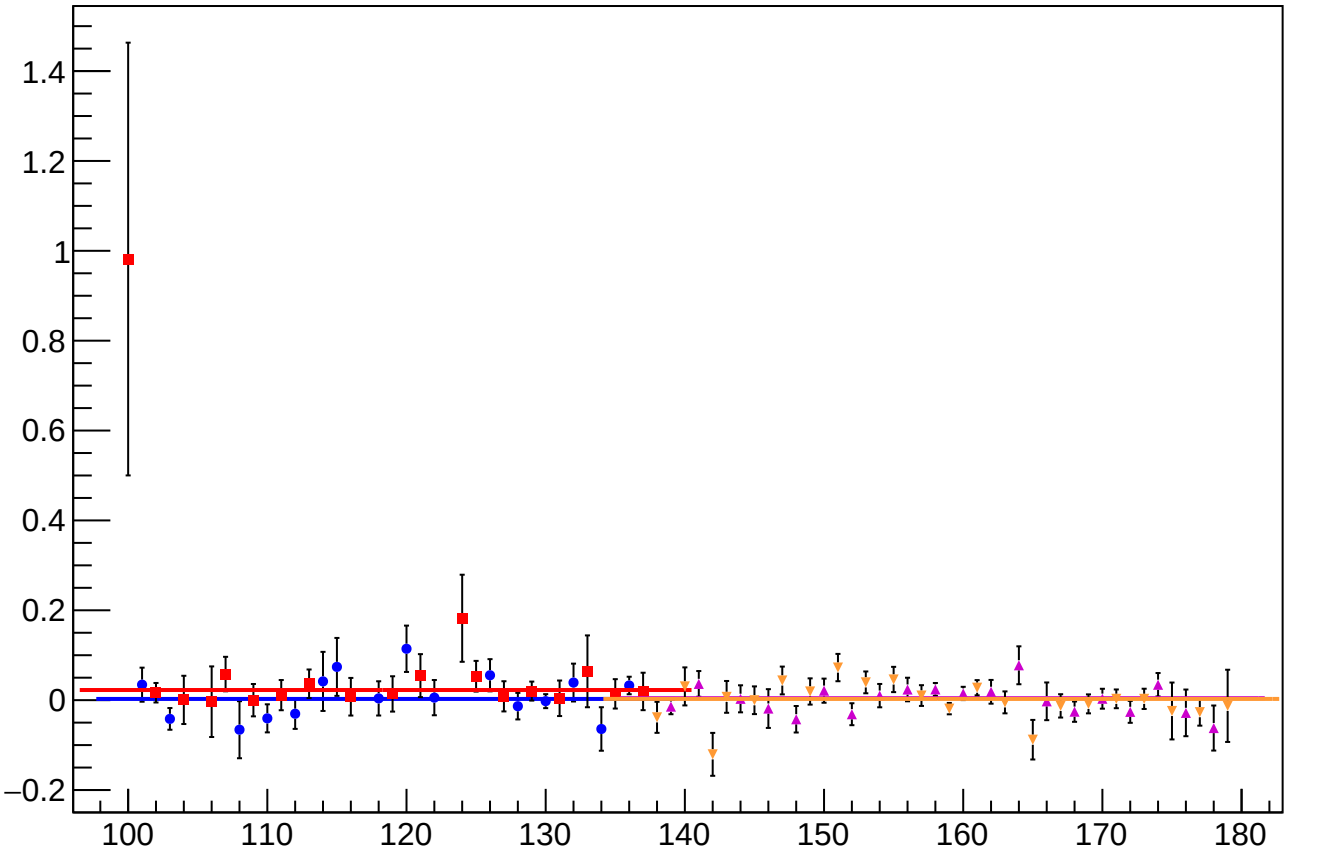
Right Out: 20.826+/-0.006 χ^2/NDF: 1291541.1/18

Left In: 20.024+/-0.004 χ^2/NDF:2634892.4/19

+ sign 20.032+/-0.003 χ^2/NDF: 5311933.7/37

All: 20.143+/-0.002 χ^2/NDF: 9253636.5/76

- sign 20.260+/-0.003 χ^2/NDF: 3939159.7/38



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: 0.003+/-0.005 χ^2/NDF:31.9/21

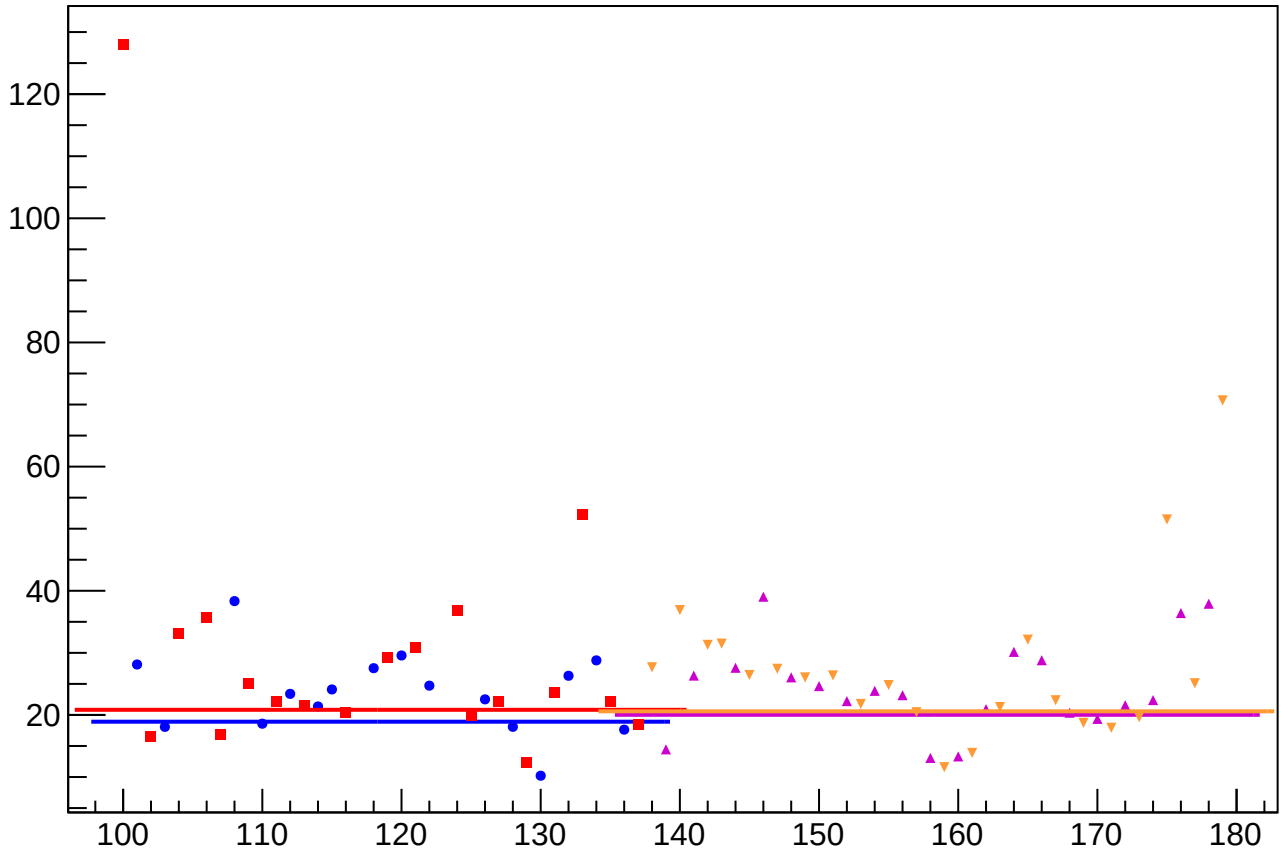
Right Out: 0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: 0.004+/-0.005 χ^2/NDF:20.9/19

+ sign 0.003+/-0.004 χ^2/NDF: 53.9/37

All: 0.006+/-0.003 χ^2/NDF: 90.0/76

- sign 0.010+/-0.005 χ^2/NDF: 34.9/38



Right In: 18.911+/-0.006 χ^2/NDF: 1390349.2/15

Left Out: 20.585+/-0.004 χ^2/NDF:3860020.7/21

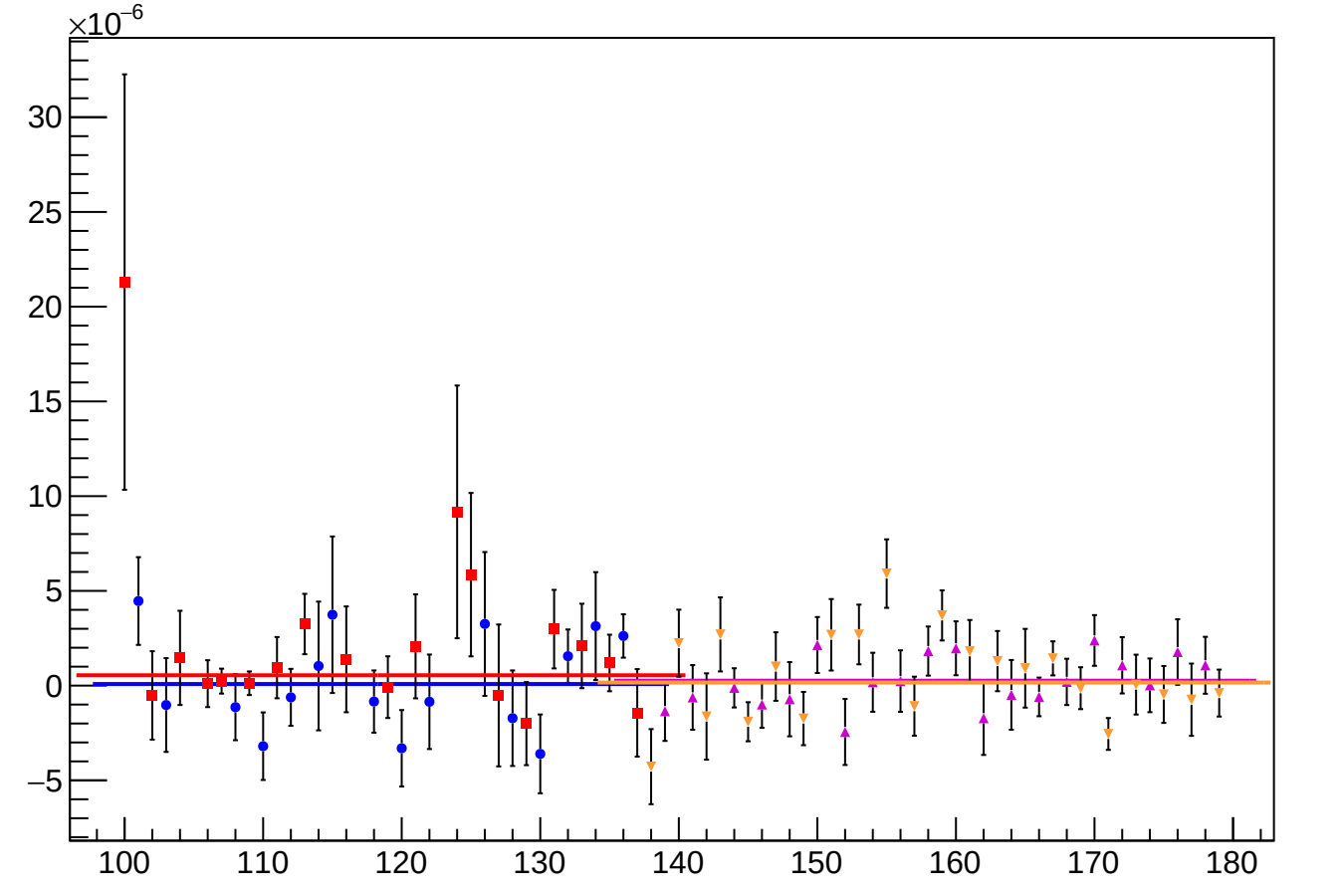
Right Out: 20.826+/-0.006 χ^2/NDF: 1291541.1/18

Left In: 20.024+/-0.004 χ^2/NDF:2634892.4/19

+ sign 20.032+/-0.003 χ^2/NDF: 5311933.7/37

All: 20.143+/-0.002 χ^2/NDF: 9253636.5/76

- sign 20.260+/-0.003 χ^2/NDF: 3939159.7/38



Right In: 0.000+/-0.000 χ^2/NDF: 23.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:51.9/21

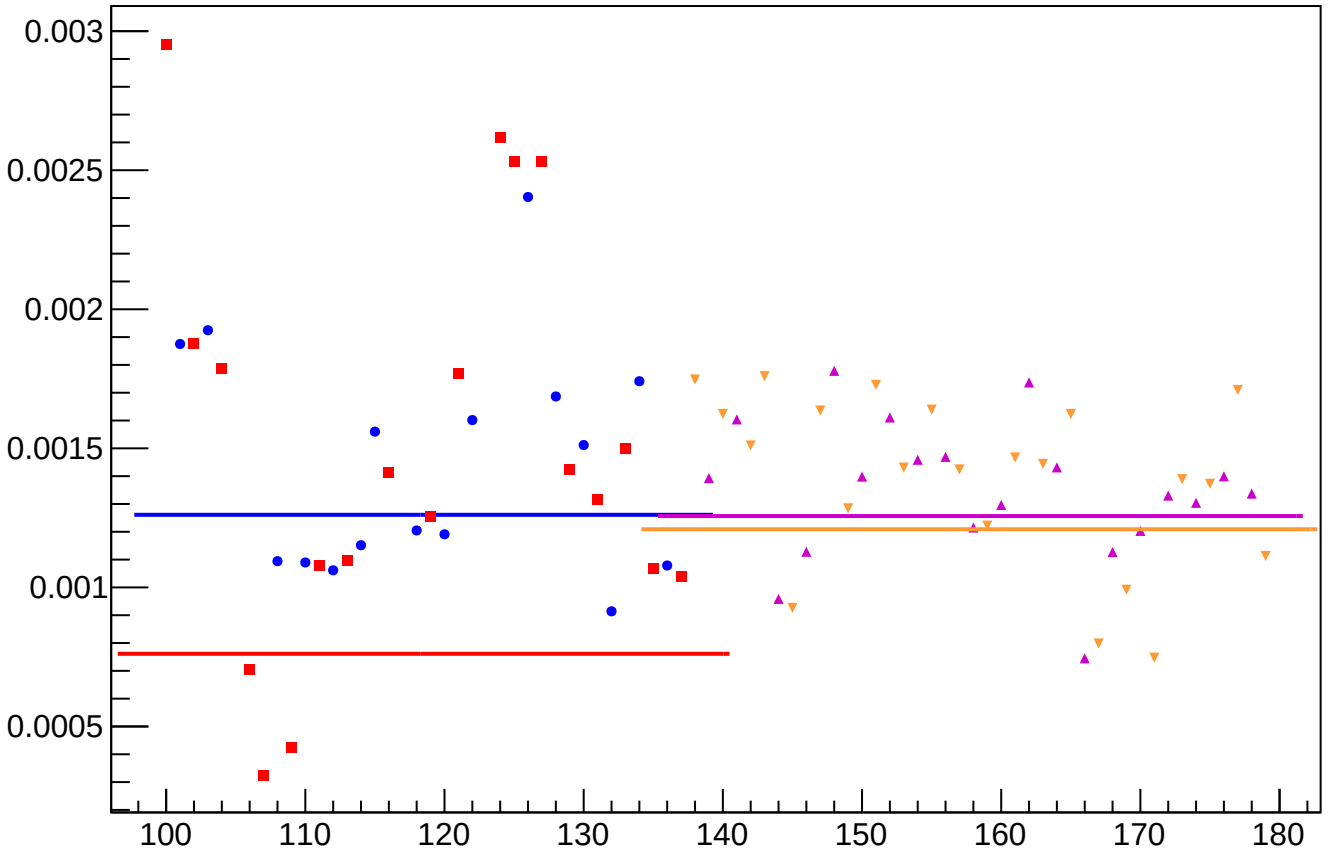
Right Out: 0.000+/-0.000 χ^2/NDF: 15.6/18

Left In: 0.000+/-0.000 χ^2/NDF:15.5/19

+ sign 0.000+/-0.000 χ^2/NDF: 75.4/37

All: 0.000+/-0.000 χ^2/NDF: 107.4/76

- sign 0.000+/-0.000 χ^2/NDF: 31.5/38



Right In: 0.001+/-0.000 χ^2/NDF: 907342.5/15

Left Out: 0.001+/-0.000 χ^2/NDF:2531596.3/21

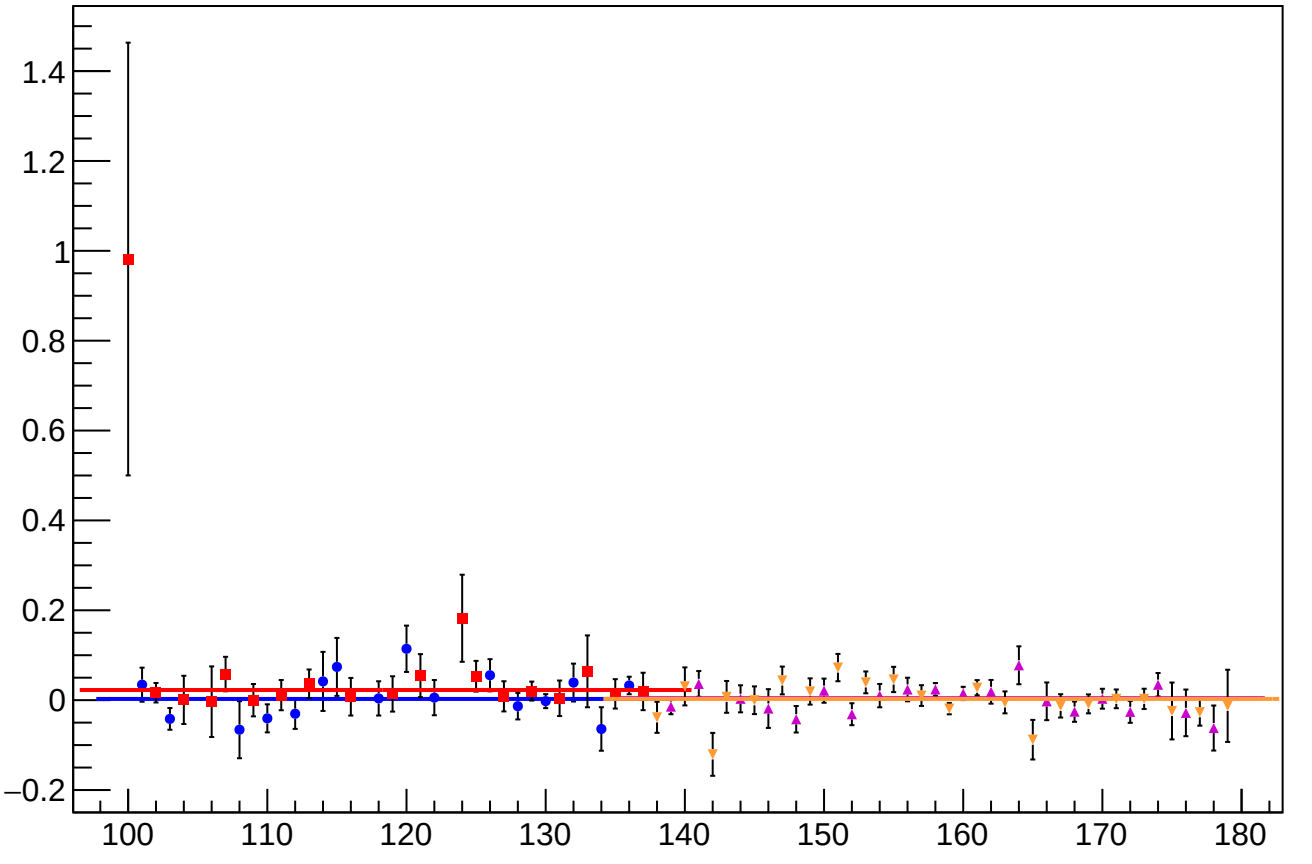
Right Out: 0.001+/-0.000 χ^2/NDF: 4672607.8/18

Left In: 0.001+/-0.000 χ^2/NDF:1297503.5/19

+ sign 0.001+/-0.000 χ^2/NDF: 3455369.5/37

All: 0.001+/-0.000 χ^2/NDF: 12358861.3/76

- sign 0.001+/-0.000 χ^2/NDF: 8229914.8/38



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: 0.003+/-0.005 χ^2/NDF:31.9/21

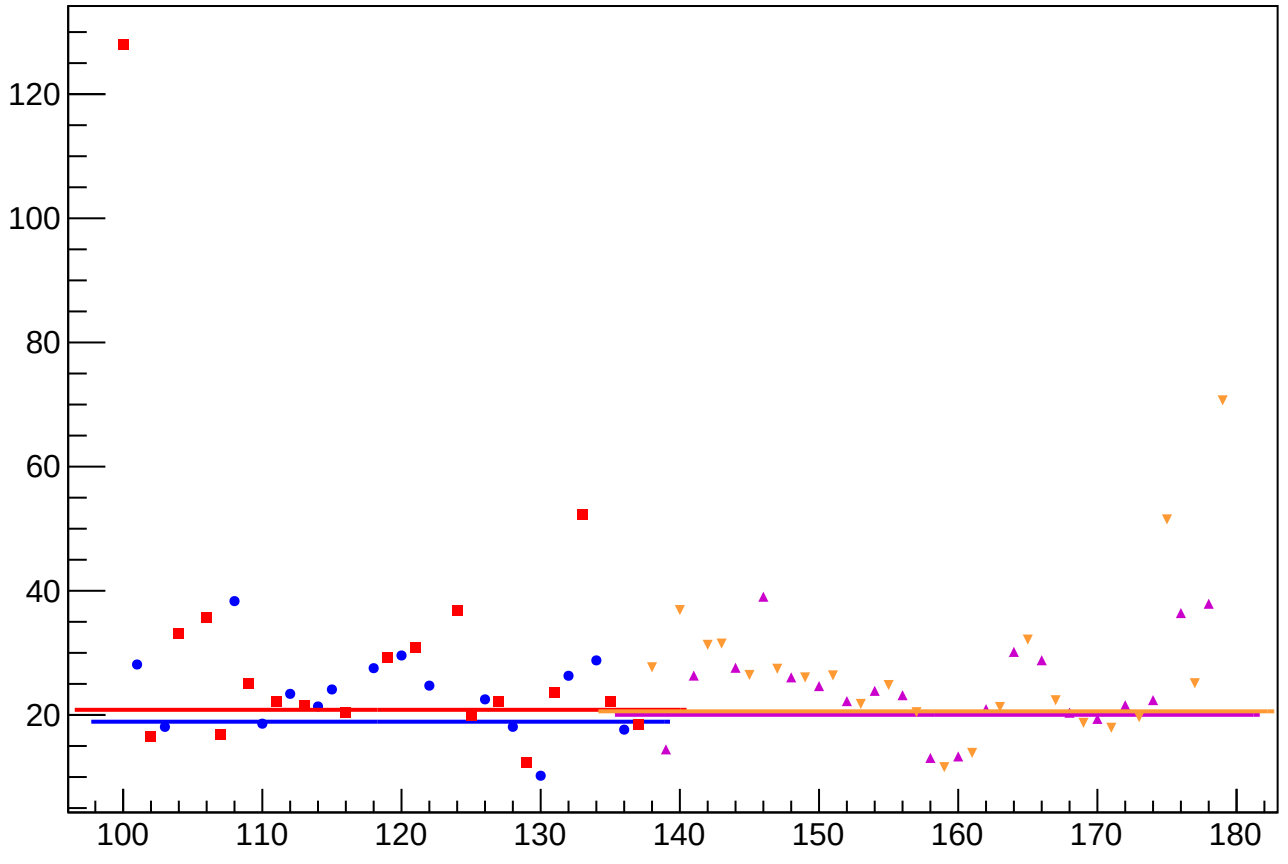
Right Out: 0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: 0.004+/-0.005 χ^2/NDF:20.9/19

+ sign 0.003+/-0.004 χ^2/NDF: 53.9/37

All: 0.006+/-0.003 χ^2/NDF: 90.0/76

- sign 0.010+/-0.005 χ^2/NDF: 34.9/38



Right In: 18.912+/-0.006 χ^2/NDF: 1390233.4/15

Left Out: 20.585+/-0.004 χ^2/NDF:3860178.1/21

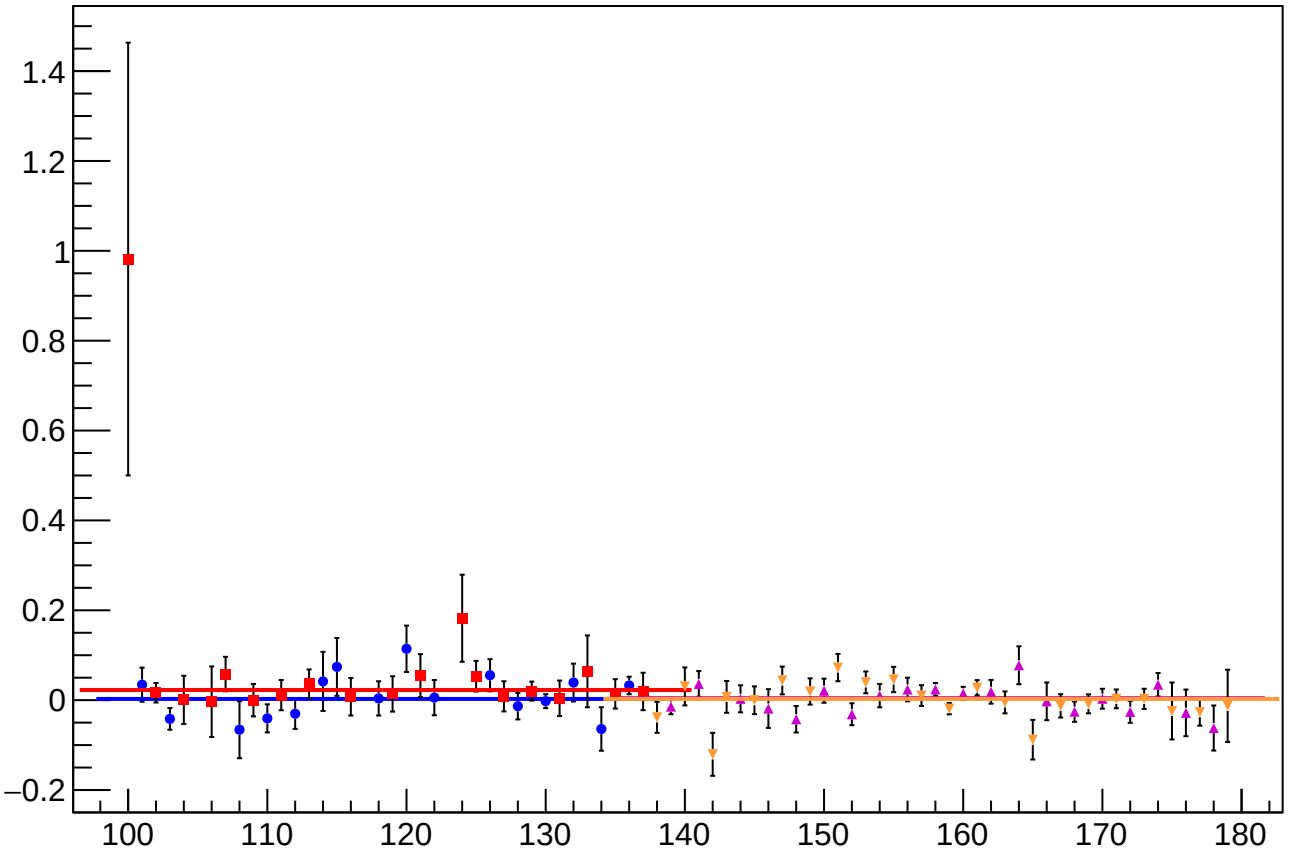
Right Out: 20.827+/-0.006 χ^2/NDF: 1291537.3/18

Left In: 20.024+/-0.004 χ^2/NDF:2634919.6/19

+ sign 20.032+/-0.003 χ^2/NDF: 5311947.0/37

All: 20.144+/-0.002 χ^2/NDF: 9253673.8/76

- sign 20.261+/-0.003 χ^2/NDF: 3939183.0/38



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: 0.003+/-0.005 χ^2/NDF:31.9/21

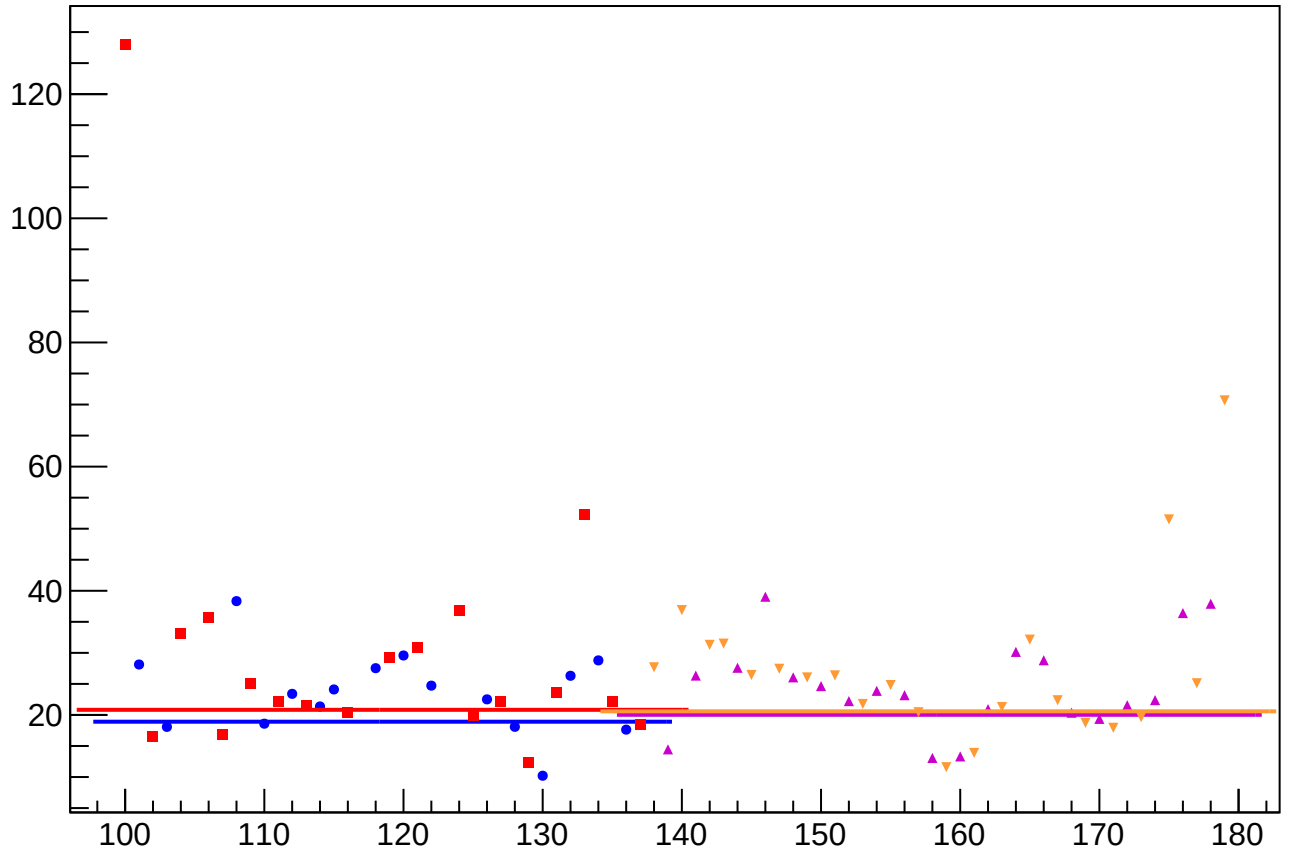
Right Out: 0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: 0.004+/-0.005 χ^2/NDF:20.9/19

+ sign 0.003+/-0.004 χ^2/NDF: 53.9/37

All: 0.006+/-0.003 χ^2/NDF: 90.0/76

- sign 0.010+/-0.005 χ^2/NDF: 34.9/38



Right In: 18.912+/-0.006 χ^2/NDF: 1390233.4/15

Left Out: 20.585+/-0.004 χ^2/NDF:3860178.1/21

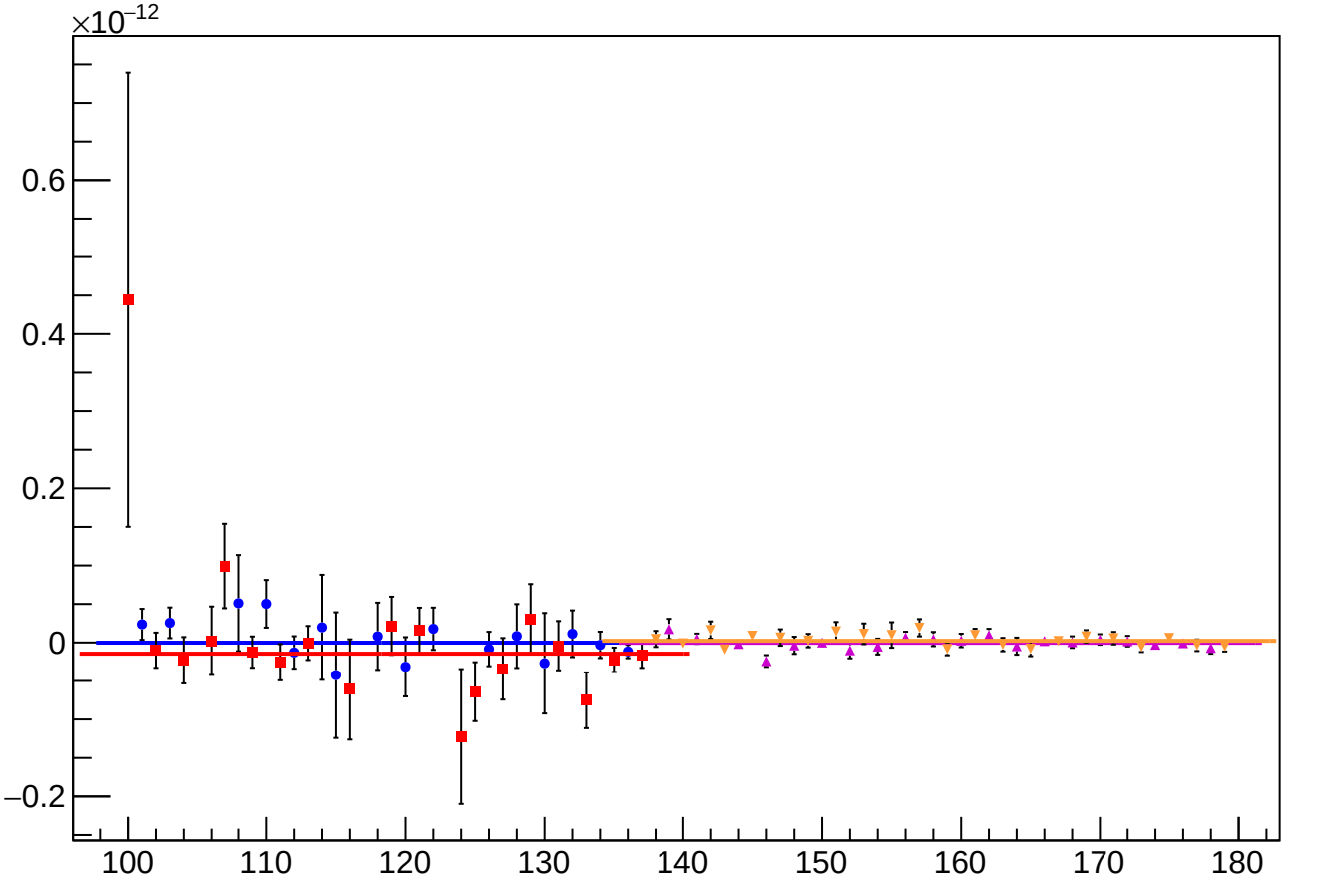
Right Out: 20.827+/-0.006 χ^2/NDF: 1291537.3/18

Left In: 20.024+/-0.004 χ^2/NDF:2634919.6/19

\+ sign 20.032+/-0.003 χ^2/NDF: 5311947.0/37

All: 20.144+/-0.002 χ^2/NDF: 9253673.8/76

\- sign 20.261+/-0.003 χ^2/NDF: 3939183.0/38



Right In: -0.000+/-0.000 χ^2/NDF: 10.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.1/21

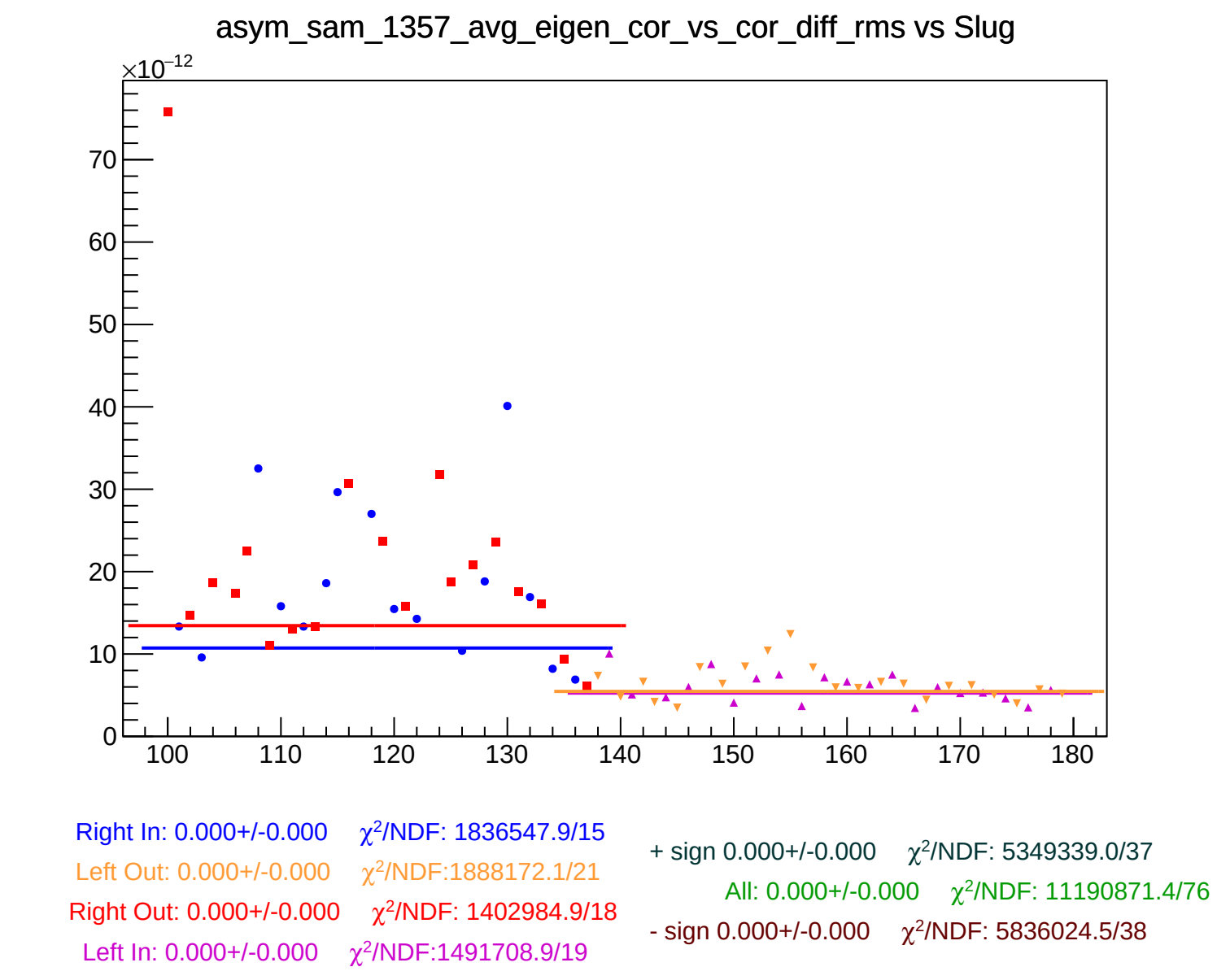
Right Out: -0.000+/-0.000 χ^2/NDF: 17.6/18

Left In: -0.000+/-0.000 χ^2/NDF:17.9/19

+ sign 0.000+/-0.000 χ^2/NDF: 29.8/37

All: 0.000+/-0.000 χ^2/NDF: 71.8/76

- sign -0.000+/-0.000 χ^2/NDF: 39.9/38


asym_sam_1357_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
70
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50
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30
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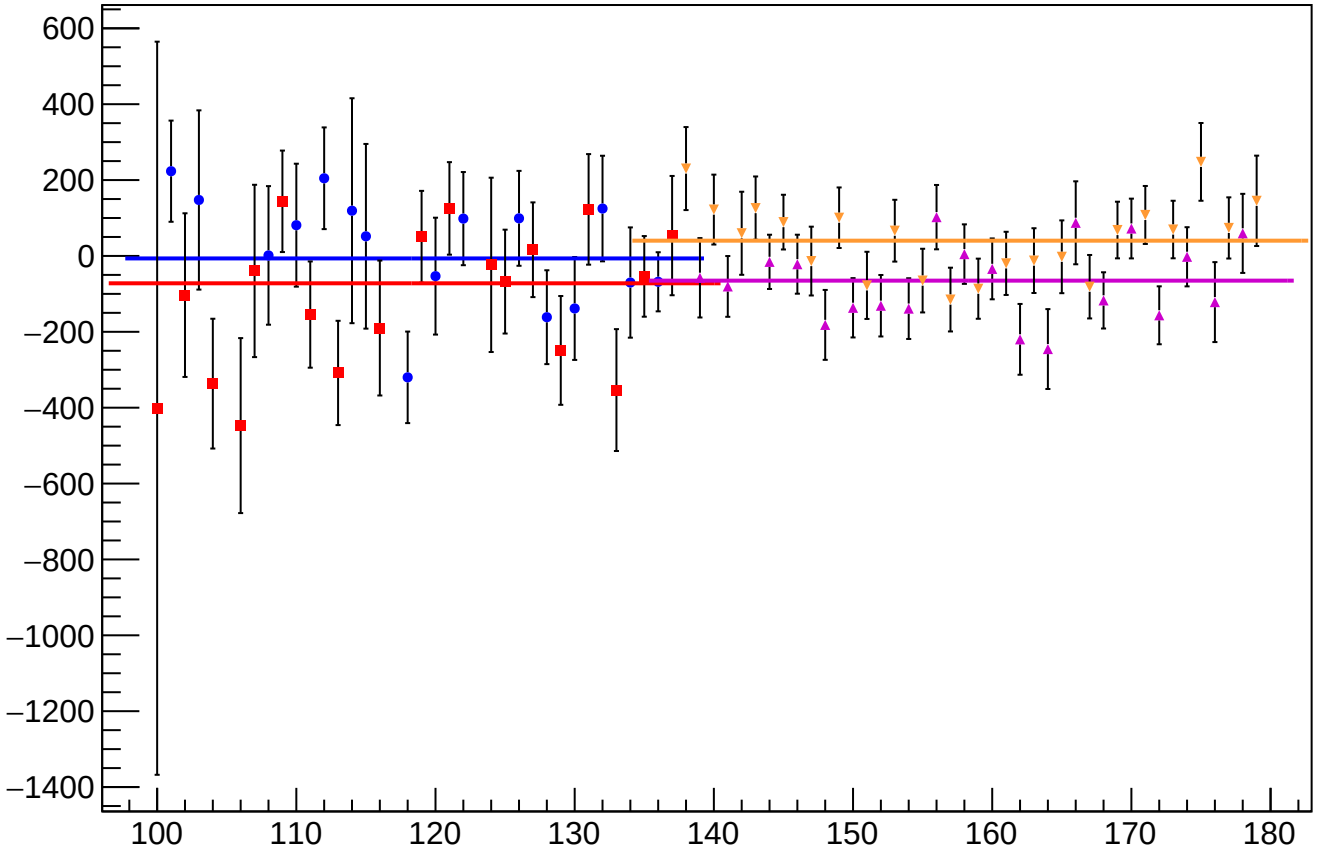
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1836547.9/15
Left Out: 0.000+/-0.000 χ²/NDF:1888172.1/21
Right Out: 0.000+/-0.000 χ²/NDF: 1402984.9/18
Left In: 0.000+/-0.000 χ²/NDF:1491708.9/19
+ sign 0.000+/-0.000 χ²/NDF: 5349339.0/37
All: 0.000+/-0.000 χ²/NDF: 11190871.4/76
- sign 0.000+/-0.000 χ²/NDF: 5836024.5/38

reg_asym_sam_2468_avg_mean vs Slug



Right In: -6.559+/-34.286 χ^2/NDF: 18.9/15

Left Out: 40.242+/-18.264 χ^2/NDF:25.0/21

Right Out: -72.124+/-34.883 χ^2/NDF: 22.8/18

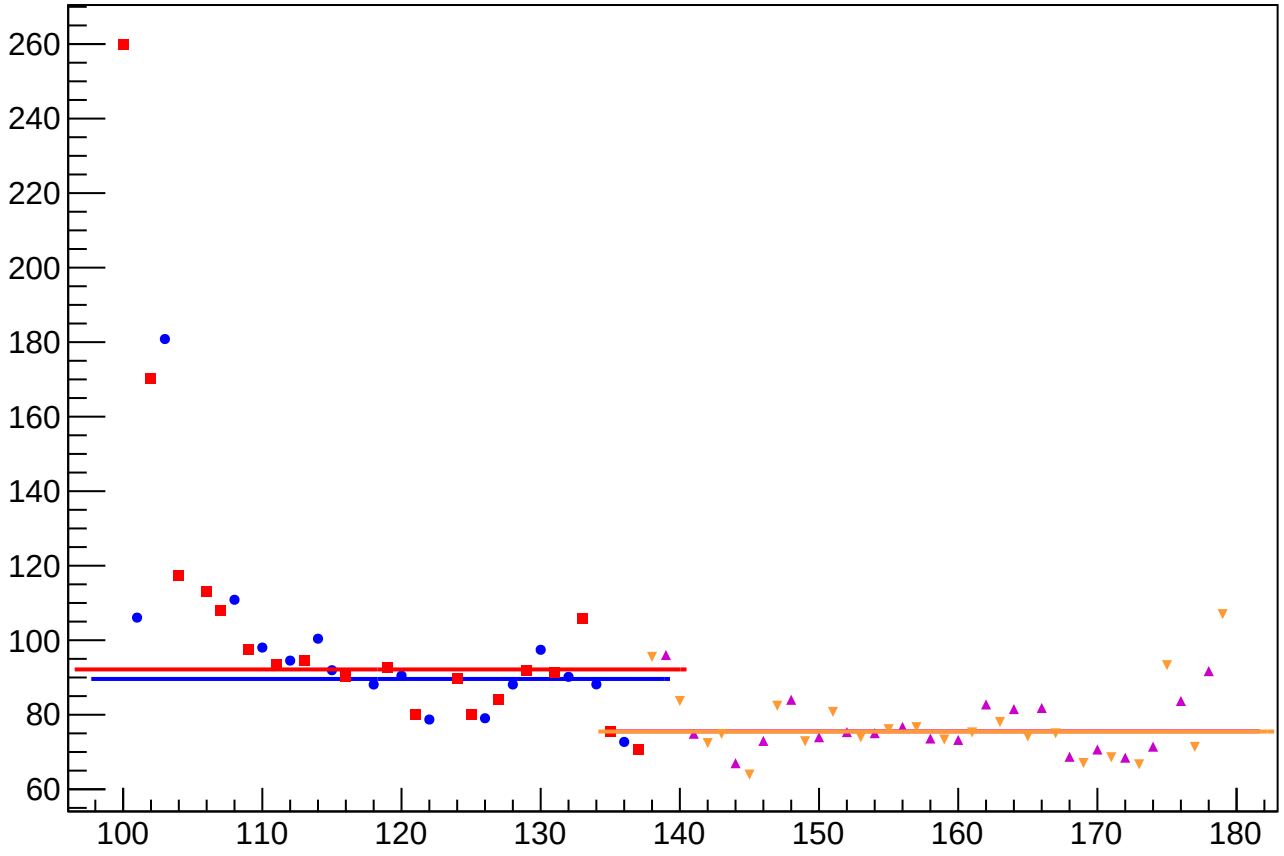
Left In: -65.104+/-18.882 χ^2/NDF:24.6/19

+ sign 29.897+/-16.120 χ^2/NDF: 45.4/37

All: -16.966+/-11.566 χ^2/NDF: 110.2/76

- sign -66.694+/-16.605 χ^2/NDF: 47.4/38

reg_asym_sam_2468_avg_rms vs Slug



Right In: 89.604+/-0.024 χ^2/NDF: 498380.8/15

Left Out: 75.493+/-0.013 χ^2/NDF:436356.2/21

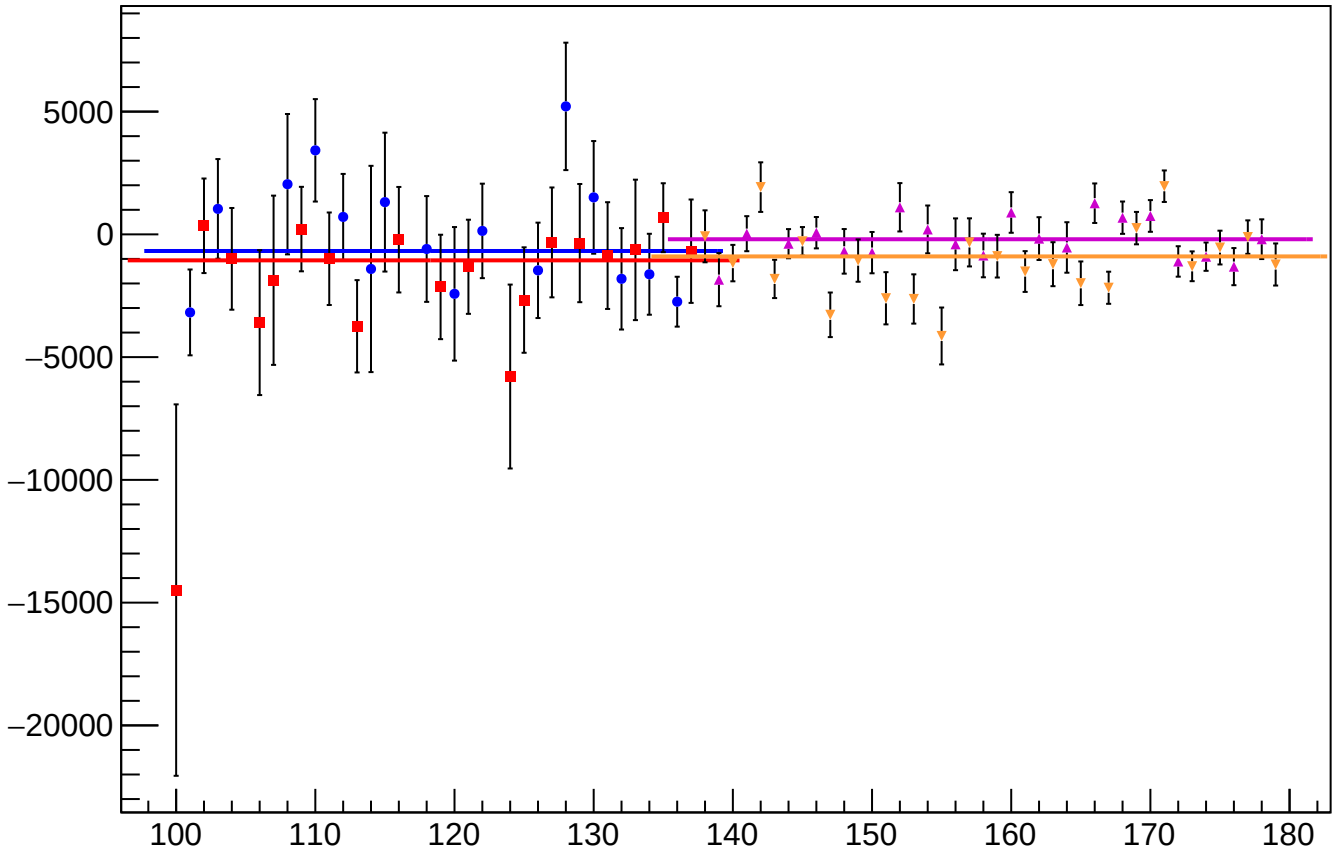
Right Out: 92.161+/-0.025 χ^2/NDF: 542074.4/18

Left In: 75.550+/-0.013 χ^2/NDF:261043.0/19

+ sign 78.612+/-0.011 χ^2/NDF: 1198603.0/37

All: 78.953+/-0.008 χ^2/NDF: 2354302.4/76

- sign 79.314+/-0.012 χ^2/NDF: 1153859.0/38



Right In: -677.381+/-486.480 χ^2/NDF: 20.3/15

Left Out: -898.122+/-168.533 χ^2/NDF:62.7/21

Right Out: -1058.761+/-496.350 χ^2/NDF: 11.5/18

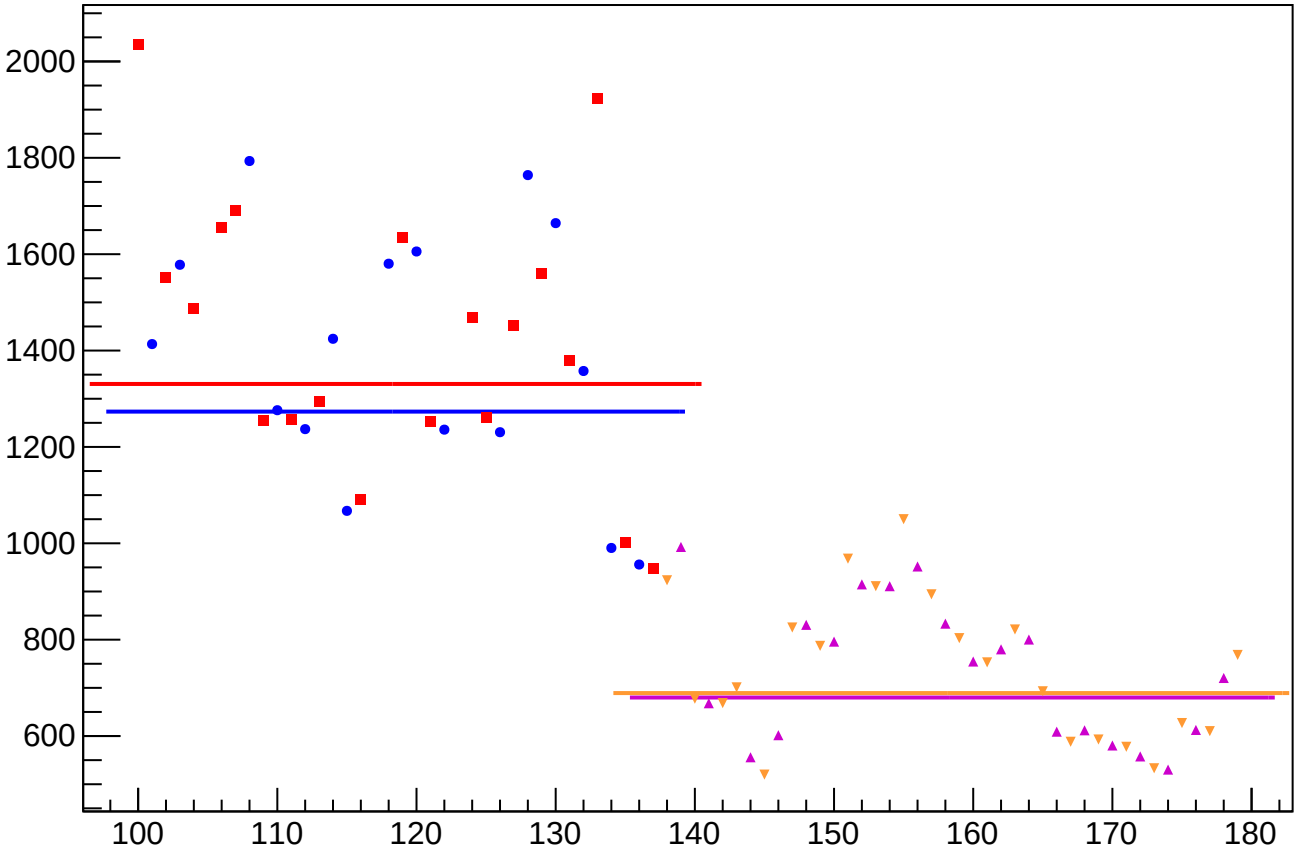
Left In: -198.802+/-171.926 χ^2/NDF:20.8/19

+ sign -874.468+/-159.248 χ^2/NDF: 83.2/37

All: -588.517+/-113.723 χ^2/NDF: 124.7/76

- sign -290.927+/-162.456 χ^2/NDF: 35.0/38

asym_sam_2468_avg_reg_correction_rms vs Slug



Right In: 1273.324+/-0.344 χ^2/NDF: 597520.6/15

Left Out: 689.190+/-0.119 χ^2/NDF:1289323.7/21

Right Out: 1330.683+/-0.351 χ^2/NDF: 470703.7/18

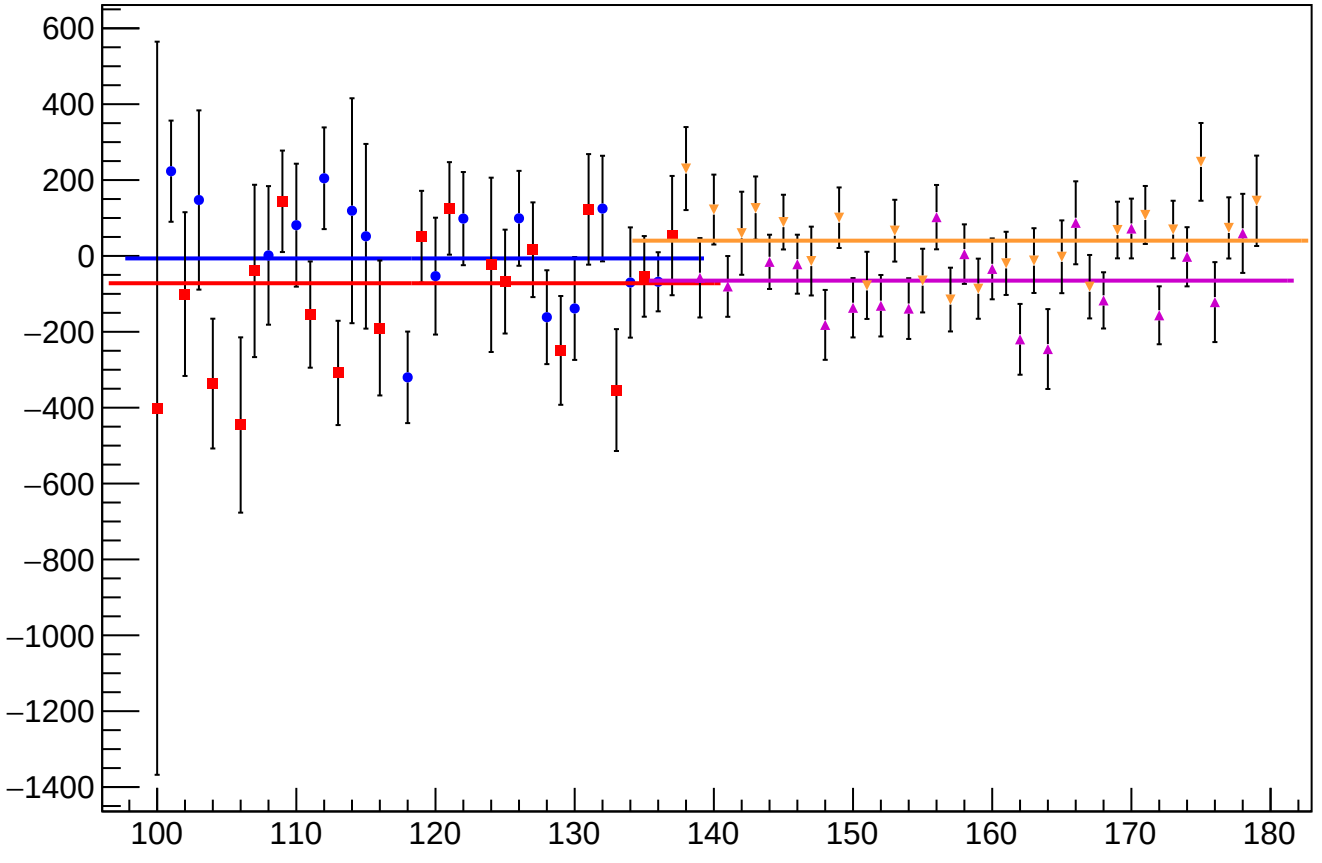
Left In: 679.954+/-0.122 χ^2/NDF:1184126.2/19

\+ sign 751.783+/-0.113 χ^2/NDF: 4461393.3/37

All: 750.745+/-0.080 χ^2/NDF: 9185731.9/76

\- sign 749.664+/-0.115 χ^2/NDF: 4724165.1/38

cor_asym_sam_2468_avg_mean vs Slug



Right In: -6.568+/-34.286 χ^2/NDF: 18.9/15

Left Out: 40.246+/-18.264 χ^2/NDF:25.0/21

Right Out: -71.981+/-34.885 χ^2/NDF: 22.8/18

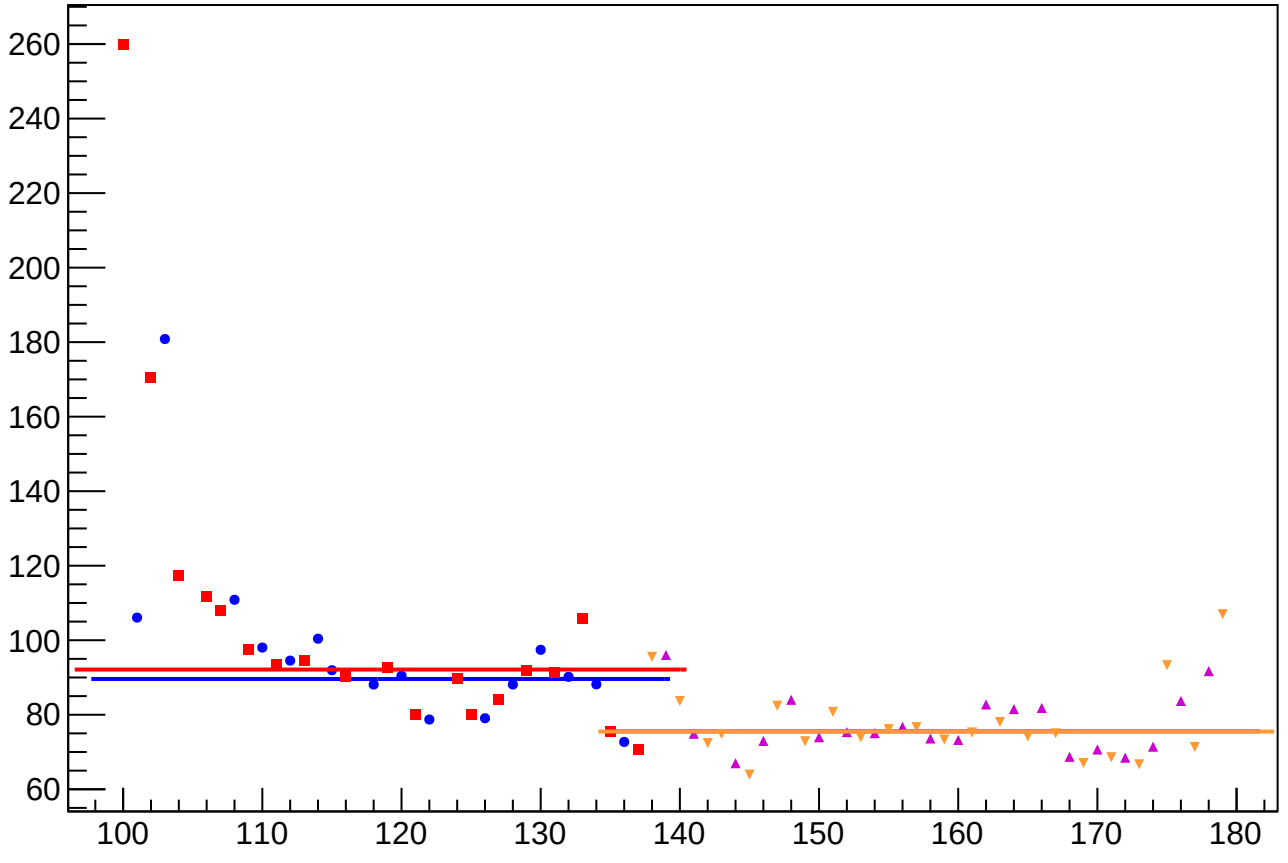
Left In: -65.103+/-18.882 χ^2/NDF:24.6/19

+ sign 29.898+/-16.120 χ^2/NDF: 45.4/37

All: -16.949+/-11.566 χ^2/NDF: 110.2/76

- sign -66.662+/-16.605 χ^2/NDF: 47.4/38

cor_asym_sam_2468_avg_rms vs Slug



Right In: 89.604+/-0.024 χ^2/NDF: 498384.4/15

Left Out: 75.493+/-0.013 χ^2/NDF:436356.2/21

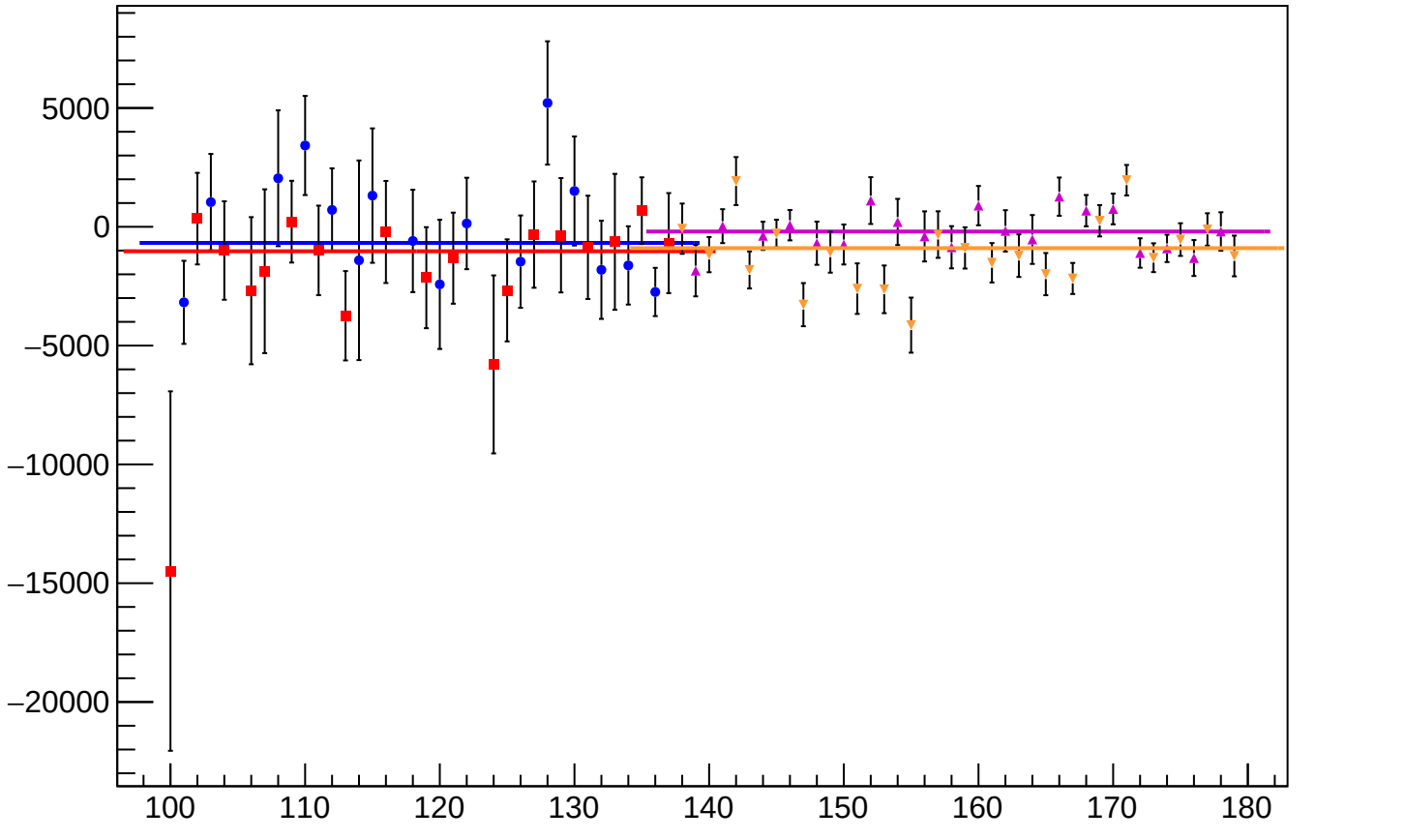
Right Out: 92.129+/-0.025 χ^2/NDF: 540308.7/18

Left In: 75.550+/-0.013 χ^2/NDF:261043.0/19

+ sign 78.612+/-0.011 χ^2/NDF: 1198606.5/37

All: 78.949+/-0.008 χ^2/NDF: 2351129.7/76

- sign 79.307+/-0.012 χ^2/NDF: 1150722.0/38



Right In: -677.345+/-486.482 χ^2/NDF: 20.3/15

Left Out: -898.115+/-168.533 χ^2/NDF:62.7/21

Right Out: -1029.395+/-497.018 χ^2/NDF: 11.0/18

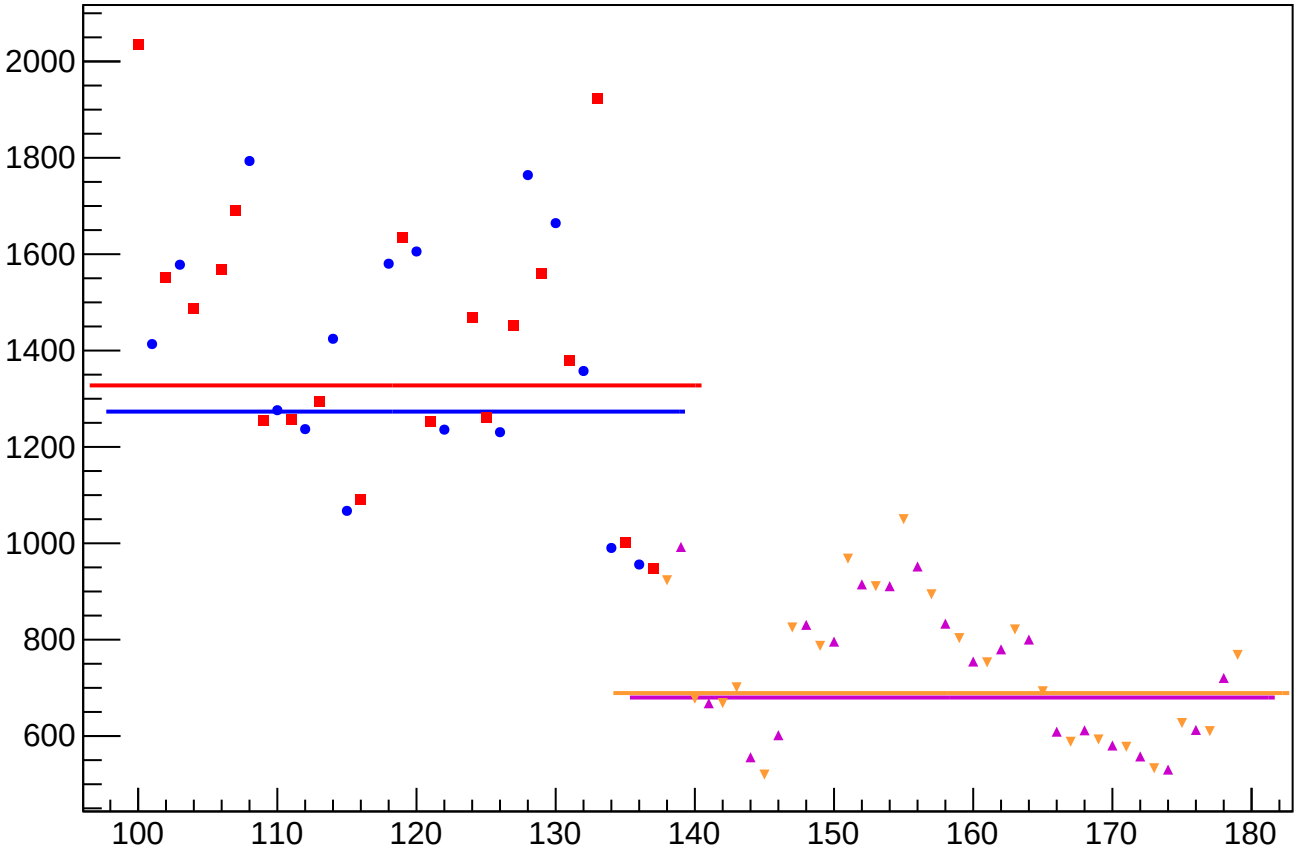
Left In: -198.803+/-171.926 χ^2/NDF:20.8/19

+ sign -874.459+/-159.248 χ^2/NDF: 83.2/37

All: -586.909+/-113.731 χ^2/NDF: 124.2/76

- sign -287.568+/-162.480 χ^2/NDF: 34.3/38

asym_sam_2468_avg_cor_correction_rms vs Slug



Right In: 1273.327+/-0.344 χ^2/NDF: 597547.8/15

Left Out: 689.190+/-0.119 χ^2/NDF:1289327.7/21

Right Out: 1327.661+/-0.351 χ^2/NDF: 458481.2/18

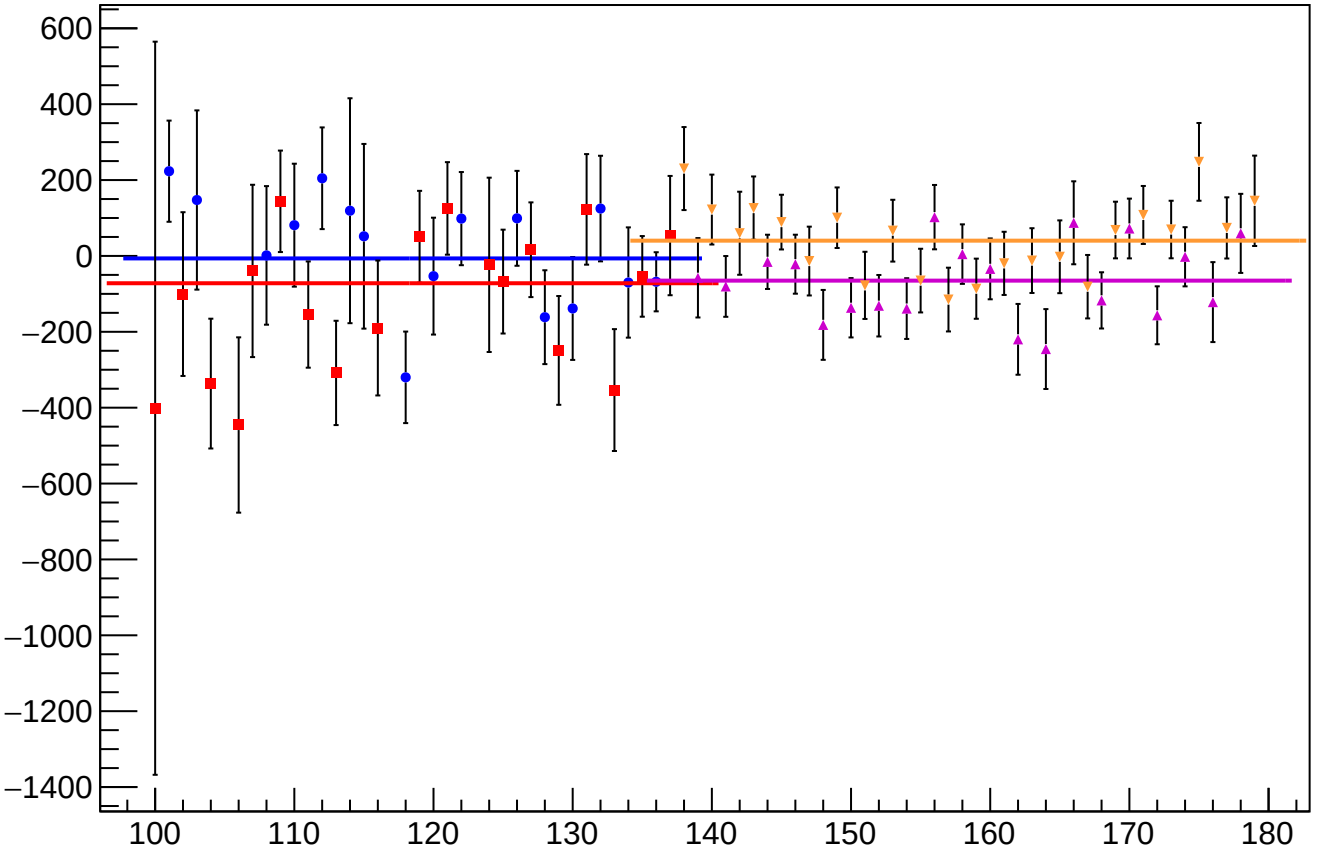
Left In: 679.954+/-0.122 χ^2/NDF:1184124.4/19

\+ sign 751.783+/-0.113 χ^2/NDF: 4461440.5/37

All: 750.505+/-0.080 χ^2/NDF: 9137905.0/76

\- sign 749.174+/-0.115 χ^2/NDF: 4676201.6/38

eigen_cor_asym_sam_2468_avg_mean vs Slug



Right In: -6.568+/-34.286 χ^2/NDF: 18.9/15

Left Out: 40.246+/-18.264 χ^2/NDF:25.0/21

Right Out: -71.981+/-34.885 χ^2/NDF: 22.8/18

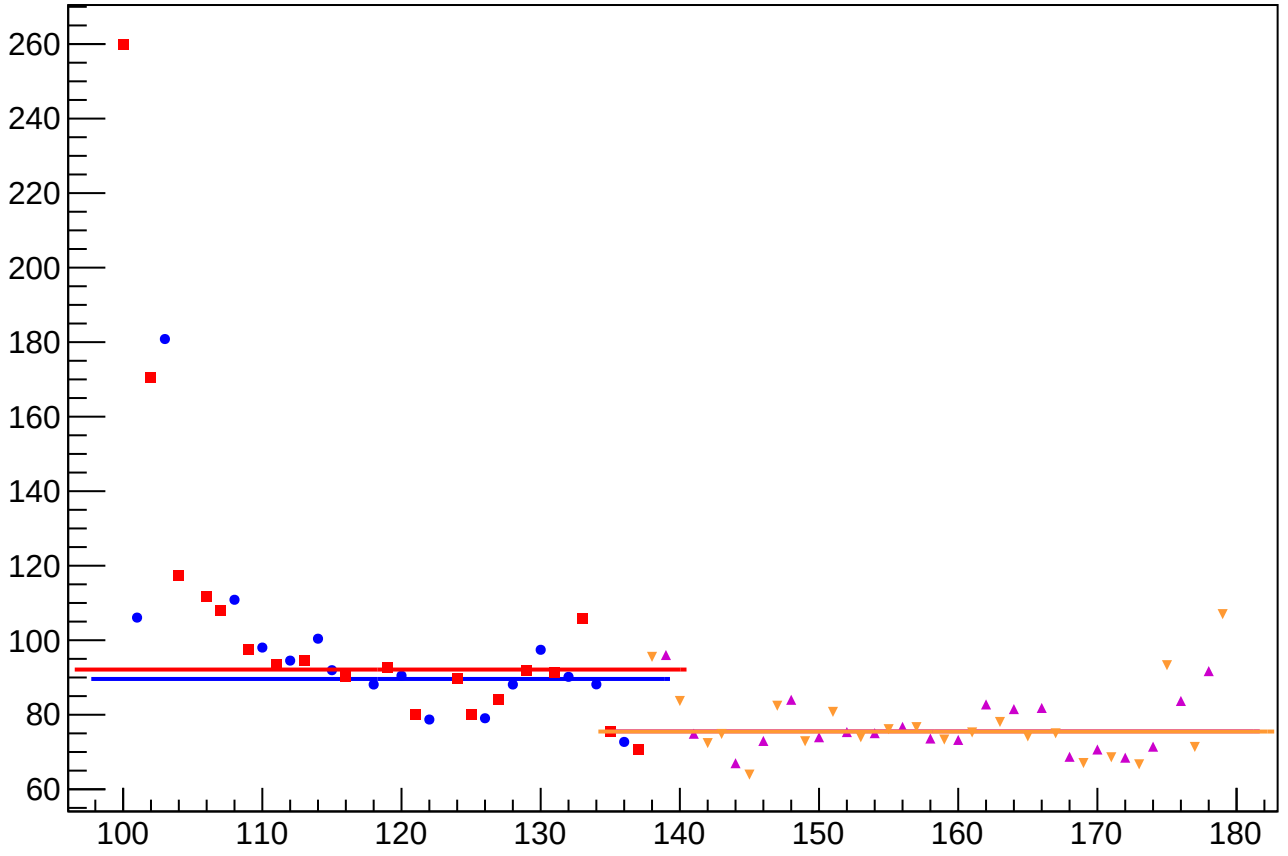
Left In: -65.103+/-18.882 χ^2/NDF:24.6/19

+ sign 29.898+/-16.120 χ^2/NDF: 45.4/37

All: -16.949+/-11.566 χ^2/NDF: 110.2/76

- sign -66.662+/-16.605 χ^2/NDF: 47.4/38

eigen_cor_asym_sam_2468_avg_rms vs Slug



Right In: 89.604+/-0.024 χ^2/NDF: 498384.4/15

Left Out: 75.493+/-0.013 χ^2/NDF:436356.2/21

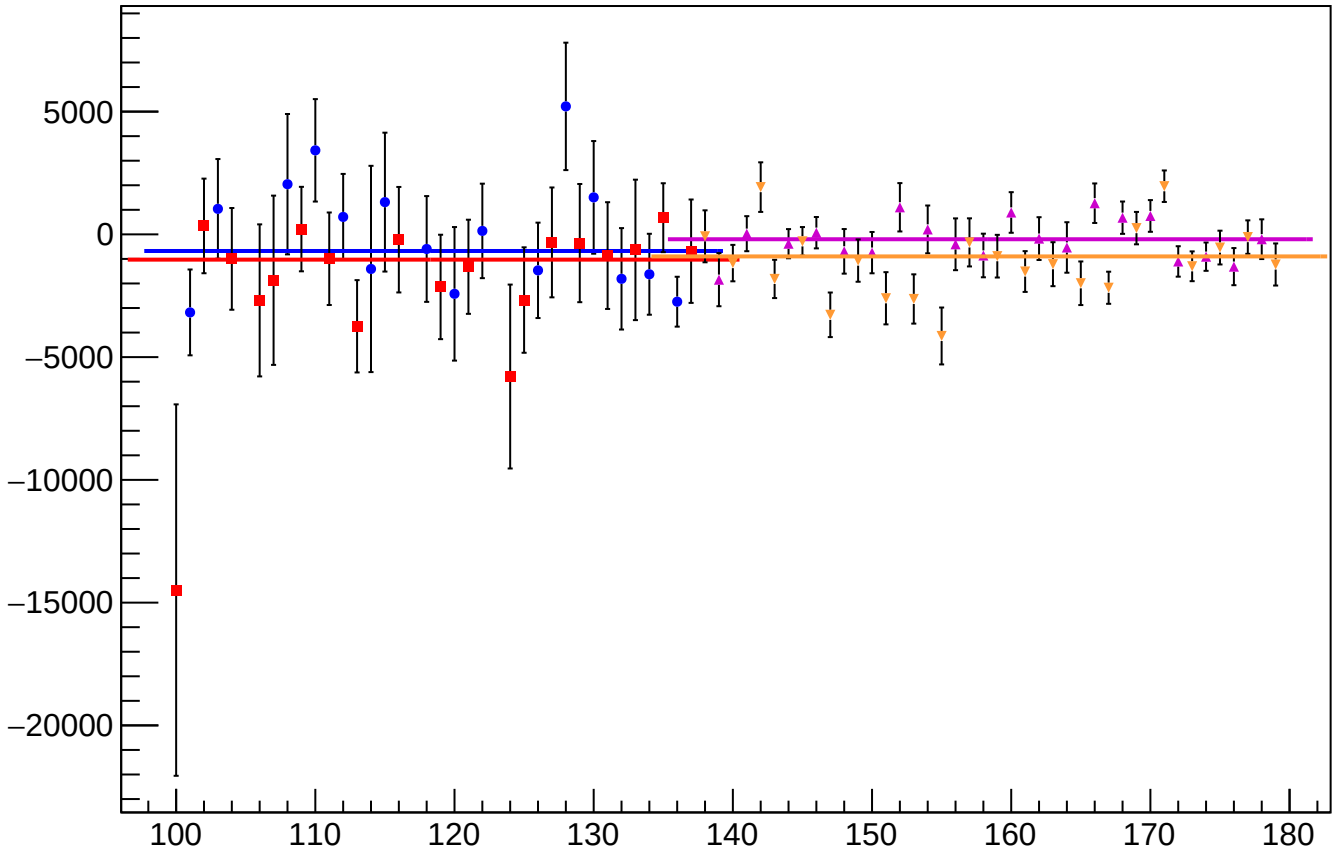
Right Out: 92.129+/-0.025 χ^2/NDF: 540308.7/18

Left In: 75.550+/-0.013 χ^2/NDF:261043.0/19

+ sign 78.612+/-0.011 χ^2/NDF: 1198606.5/37

All: 78.949+/-0.008 χ^2/NDF: 2351129.7/76

- sign 79.307+/-0.012 χ^2/NDF: 1150722.0/38



Right In: -677.345+/-486.482 χ^2/NDF: 20.3/15

Left Out: -898.115+/-168.533 χ^2/NDF:62.7/21

Right Out: -1029.395+/-497.018 χ^2/NDF: 11.0/18

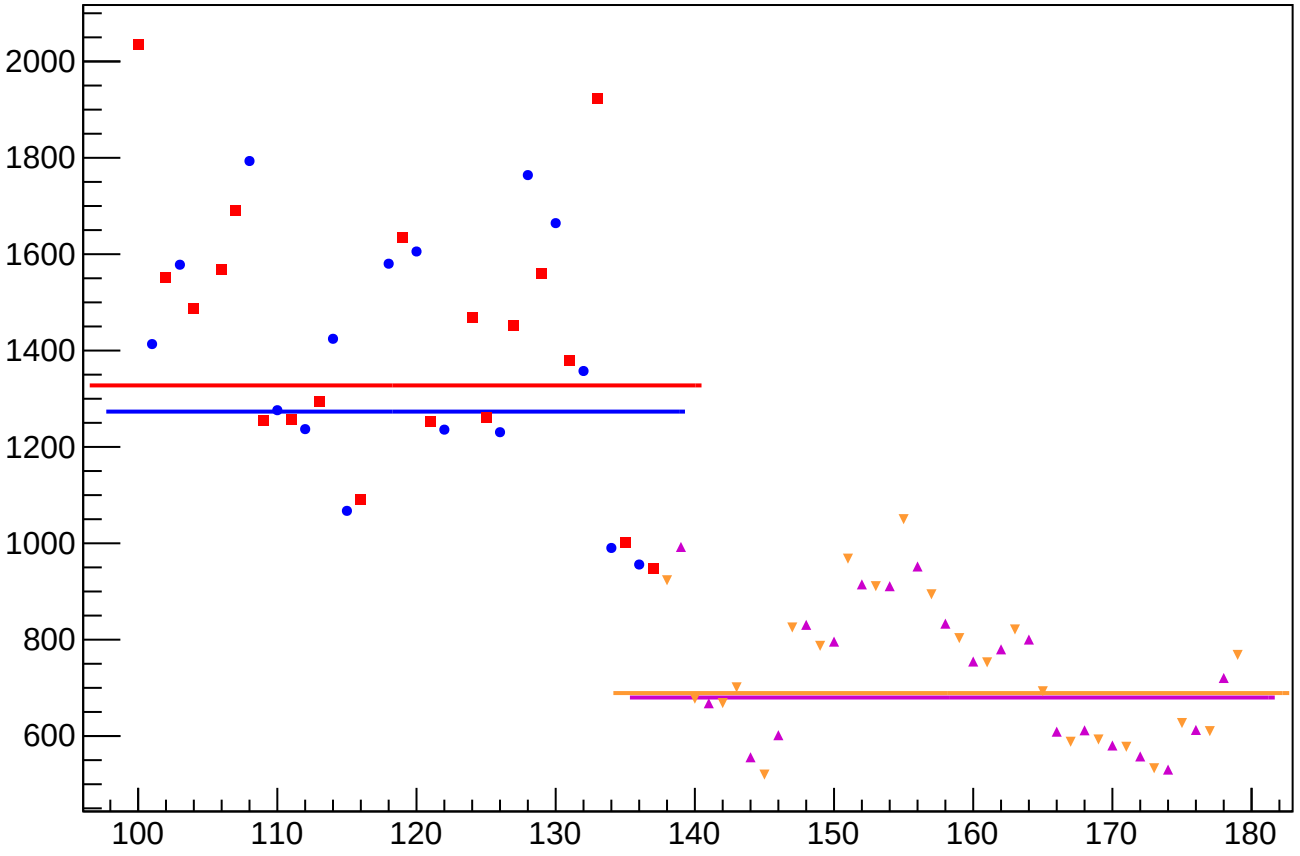
Left In: -198.803+/-171.926 χ^2/NDF:20.8/19

+ sign -874.459+/-159.248 χ^2/NDF: 83.2/37

All: -586.909+/-113.731 χ^2/NDF: 124.2/76

- sign -287.568+/-162.480 χ^2/NDF: 34.3/38

asym_sam_2468_avg_eigen_cor_correction_rms vs Slug



Right In: 1273.327+/-0.344 χ^2/NDF: 597547.8/15

Left Out: 689.190+/-0.119 χ^2/NDF:1289327.7/21

Right Out: 1327.661+/-0.351 χ^2/NDF: 458481.2/18

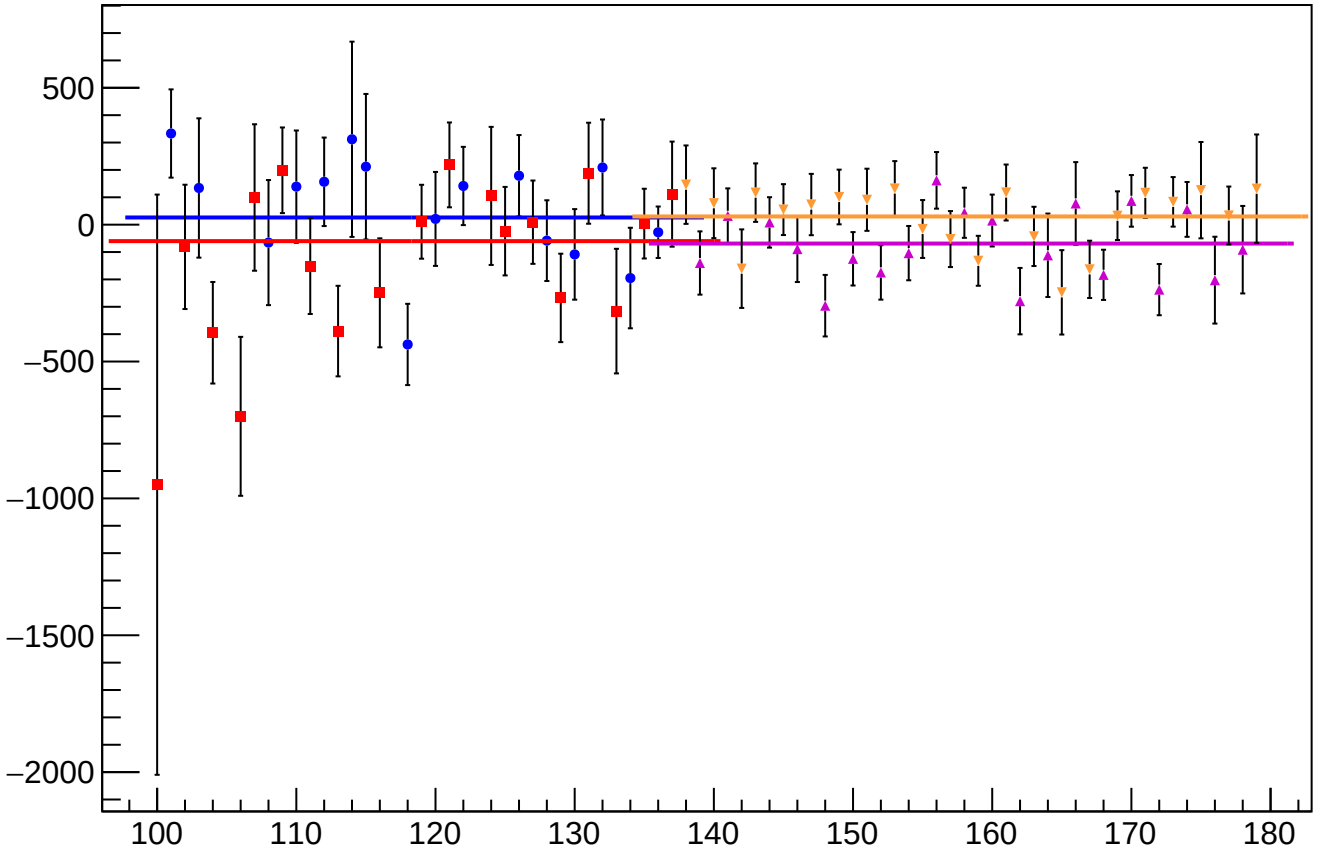
Left In: 679.954+/-0.122 χ^2/NDF:1184124.4/19

\+ sign 751.783+/-0.113 χ^2/NDF: 4461440.5/37

All: 750.505+/-0.080 χ^2/NDF: 9137905.0/76

\- sign 749.174+/-0.115 χ^2/NDF: 4676201.6/38

dit_asym_sam_2468_avg_mean vs Slug



Right In: 26.251+/-41.220 χ^2/NDF: 21.4/15

Left Out: 29.965+/-23.225 χ^2/NDF:18.9/21

Right Out: -60.119+/-41.528 χ^2/NDF: 27.0/18

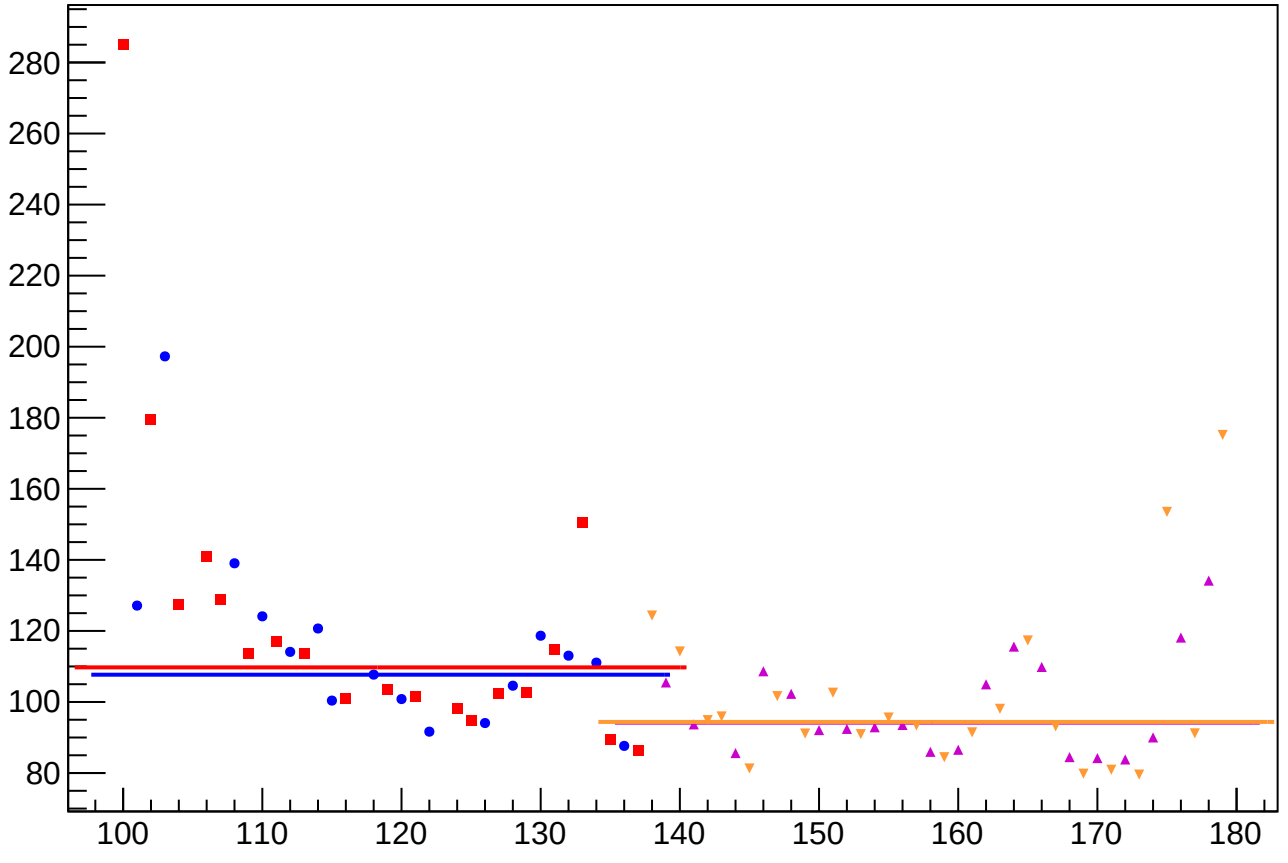
Left In: -69.017+/-23.897 χ^2/NDF:28.9/19

+ sign 29.070+/-20.234 χ^2/NDF: 40.3/37

All: -17.746+/-14.474 χ^2/NDF: 107.2/76

- sign -66.804+/-20.713 χ^2/NDF: 55.9/38

dit_asym_sam_2468_avg_rms vs Slug



Right In: 107.680+/-0.029 χ^2/NDF: 483125.6/15

Left Out: 94.388+/-0.016 χ^2/NDF:982787.9/21

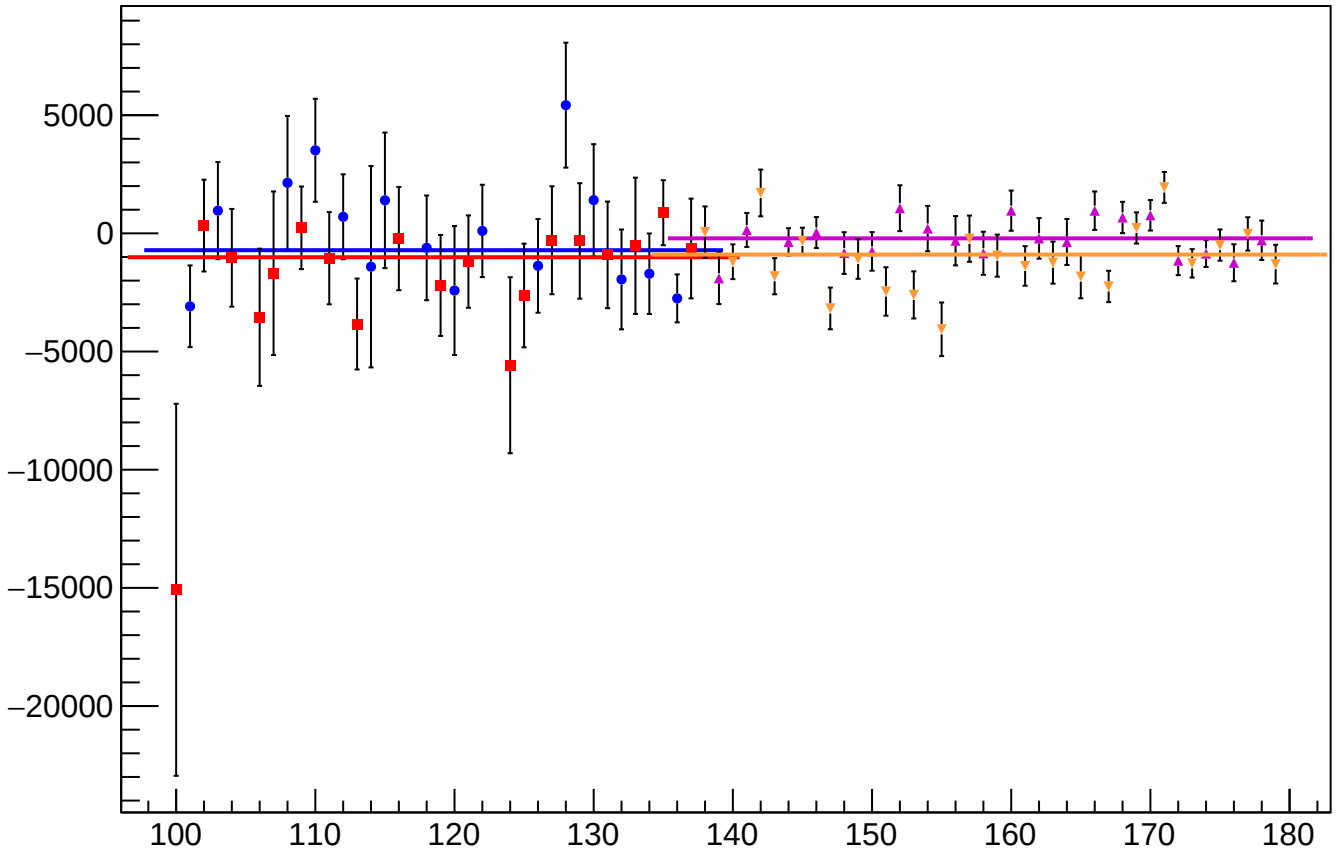
Right Out: 109.739+/-0.029 χ^2/NDF: 491787.3/18

Left In: 94.182+/-0.017 χ^2/NDF:427047.3/19

+ sign 97.591+/-0.014 χ^2/NDF: 1623763.2/37

All: 97.816+/-0.010 χ^2/NDF: 2753960.5/76

- sign 98.052+/-0.015 χ^2/NDF: 1129689.5/38



Right In: -712.887+/-493.253 χ^2/NDF: 20.1/15

Left Out: -897.492+/-167.225 χ^2/NDF:60.6/21

Right Out: -1010.557+/-501.374 χ^2/NDF: 11.8/18

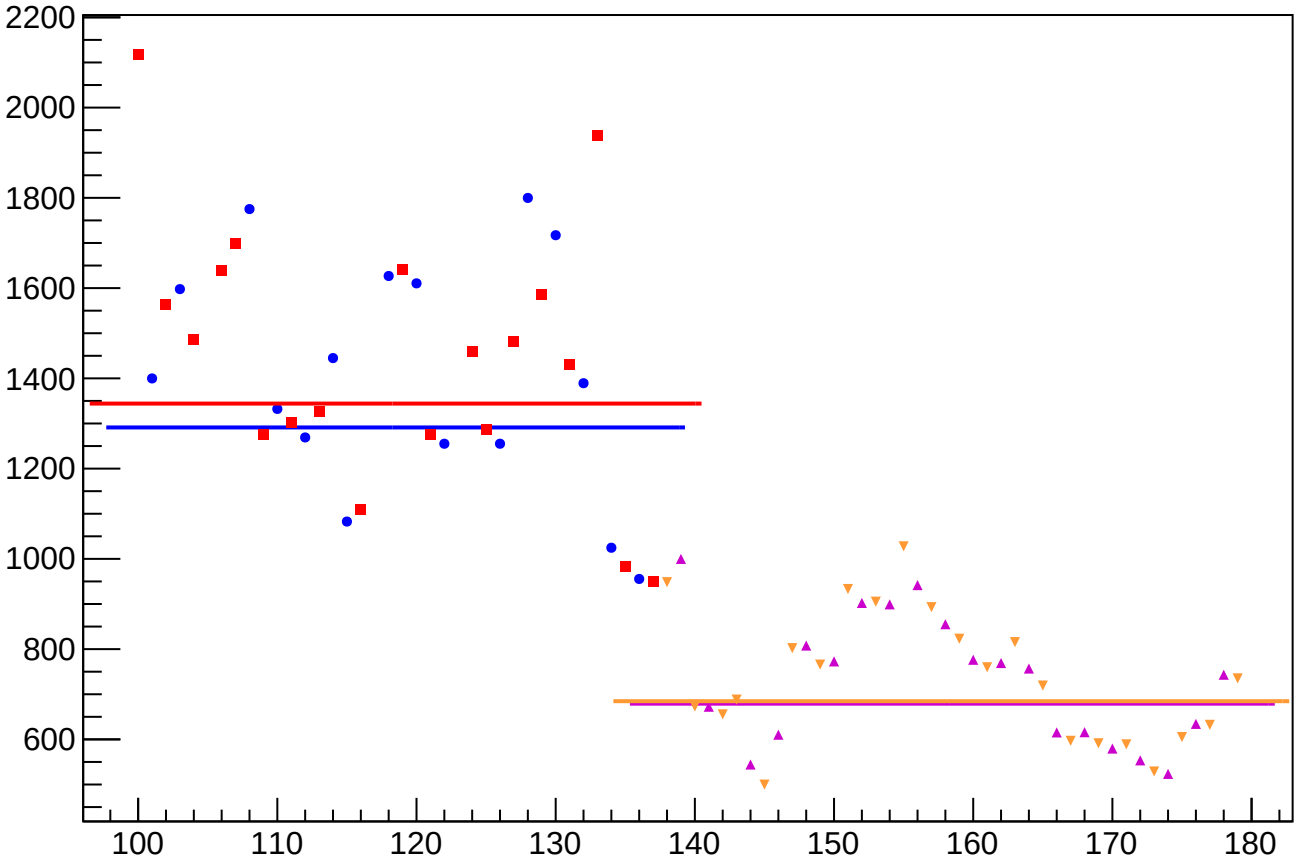
Left In: -211.380+/-171.700 χ^2/NDF:19.7/19

+ sign -878.461+/-158.371 χ^2/NDF: 80.8/37

All: -594.258+/-113.396 χ^2/NDF: 121.1/76

- sign -295.268+/-162.439 χ^2/NDF: 33.7/38

asym_sam_2468_avg_dit_correction_rms vs Slug



Right In: 1291.223+/-0.349 χ^2/NDF: 610897.3/15

Left Out: 684.637+/-0.118 χ^2/NDF:1295586.2/21

Right Out: 1344.118+/-0.355 χ^2/NDF: 490963.7/18

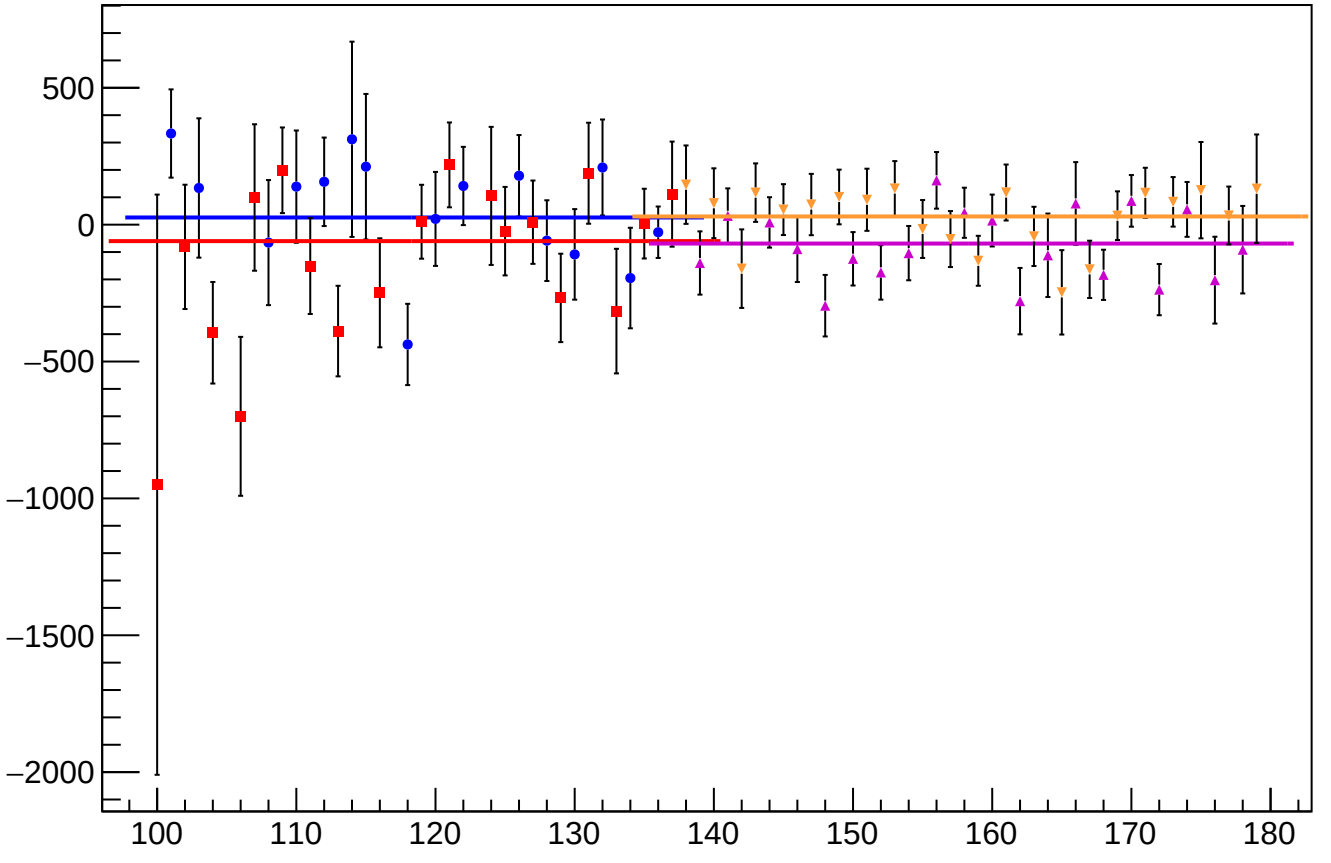
Left In: 679.128+/-0.121 χ^2/NDF:1174622.0/19

+ sign 747.169+/-0.112 χ^2/NDF: 4619332.4/37

All: 748.027+/-0.080 χ^2/NDF: 9434057.5/76

- sign 748.931+/-0.115 χ^2/NDF: 4814604.5/38

eigen_dit_asym_sam_2468_avg_mean vs Slug



Right In: 26.252+/-41.219 χ^2/NDF: 21.4/15

Left Out: 29.965+/-23.225 χ^2/NDF:18.9/21

Right Out: -60.117+/-41.528 χ^2/NDF: 27.0/18

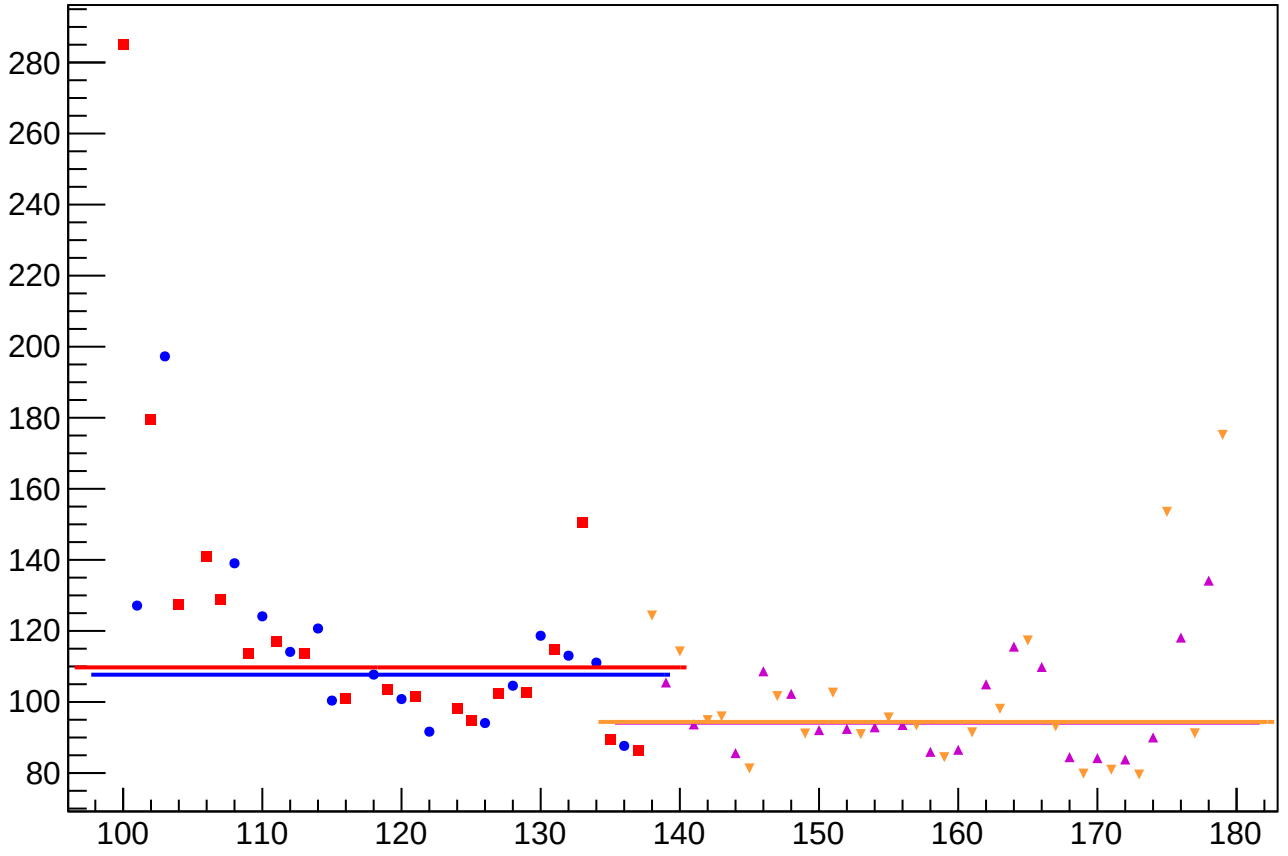
Left In: -69.016+/-23.898 χ^2/NDF:28.9/19

+ sign 29.070+/-20.234 χ^2/NDF: 40.3/37

All: -17.745+/-14.474 χ^2/NDF: 107.2/76

- sign -66.802+/-20.713 χ^2/NDF: 55.9/38

eigen_dit_asym_sam_2468_avg_rms vs Slug



Right In: 107.679+/-0.029 χ^2/NDF: 483112.2/15

Left Out: 94.388+/-0.016 χ^2/NDF:982793.1/21

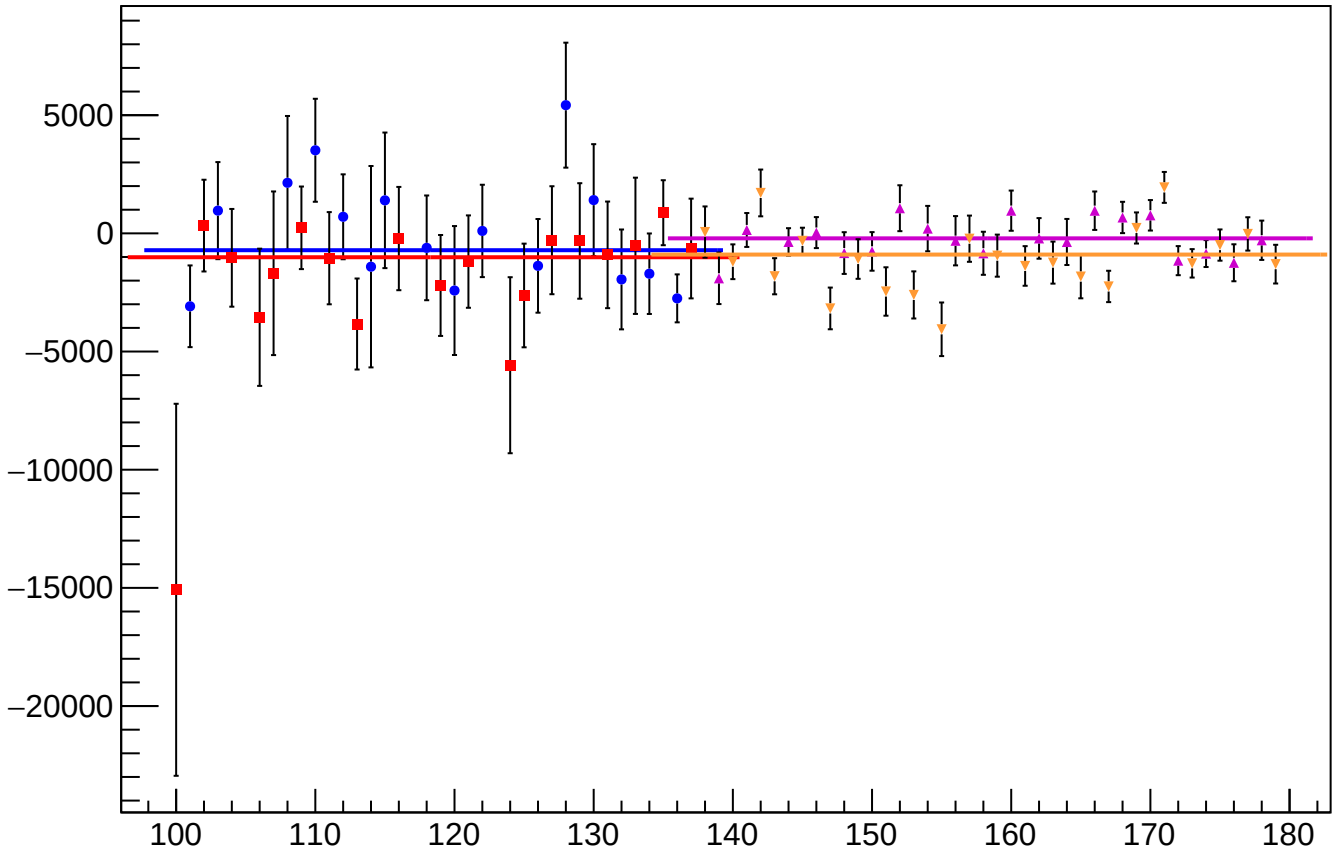
Right Out: 109.739+/-0.029 χ^2/NDF: 491784.5/18

Left In: 94.182+/-0.017 χ^2/NDF:427045.2/19

+ sign 97.591+/-0.014 χ^2/NDF: 1623732.0/37

All: 97.816+/-0.010 χ^2/NDF: 2753900.8/76

- sign 98.052+/-0.015 χ^2/NDF: 1129660.9/38



Right In: -712.881+/-493.252 χ^2/NDF: 20.1/15

Left Out: -897.490+/-167.224 χ^2/NDF:60.6/21

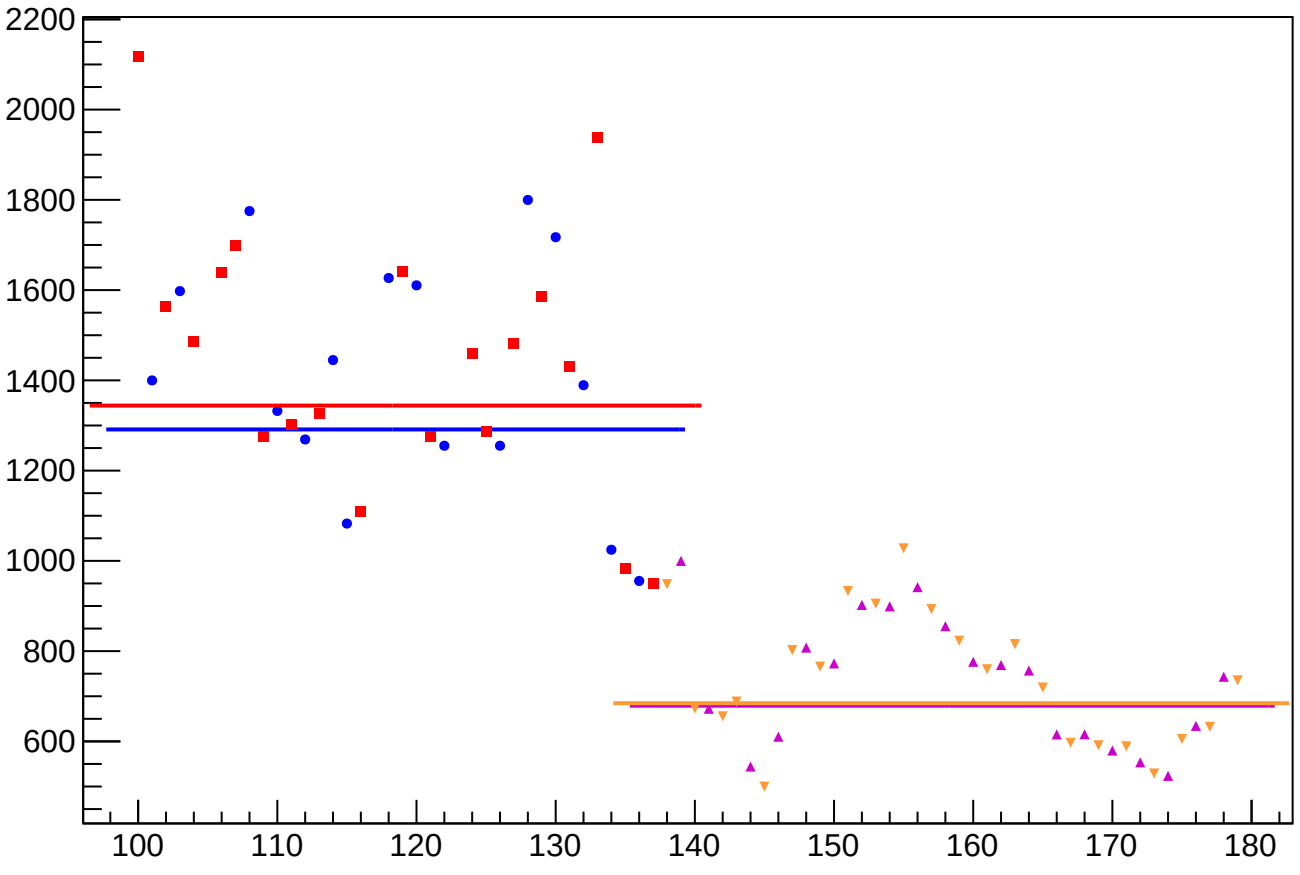
Right Out: -1010.556+/-501.373 χ^2/NDF: 11.8/18

Left In: -211.379+/-171.699 χ^2/NDF:19.7/19

+ sign -878.459+/-158.371 χ^2/NDF: 80.8/37

All: -594.256+/-113.396 χ^2/NDF: 121.1/76

- sign -295.266+/-162.438 χ^2/NDF: 33.7/38



Right In: 1291.220+/-0.349 χ^2/NDF: 610894.9/15

Left Out: 684.635+/-0.118 χ^2/NDF:1295592.2/21

Right Out: 1344.115+/-0.355 χ^2/NDF: 490963.4/18

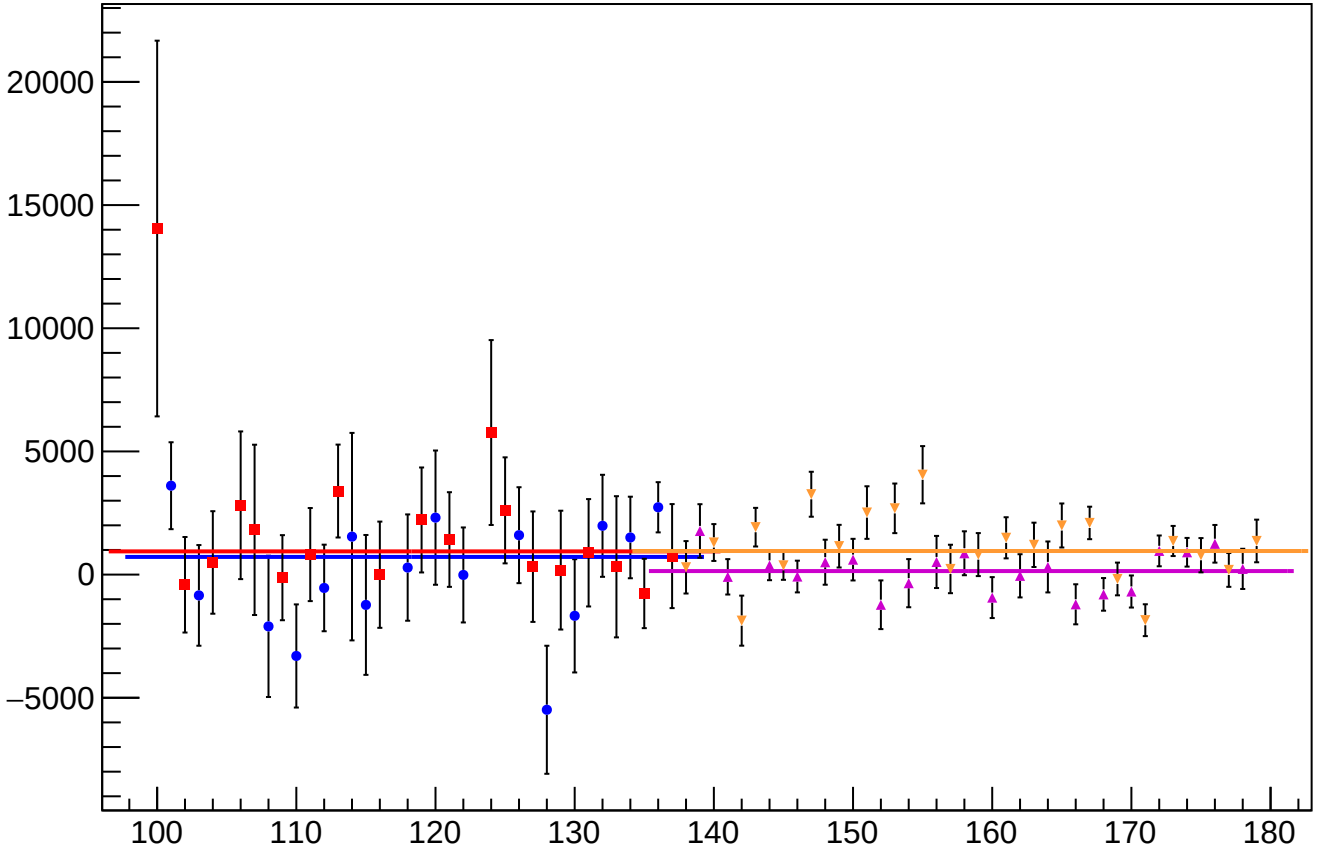
Left In: 679.127+/-0.121 χ^2/NDF:1174624.8/19

+ sign 747.167+/-0.112 χ^2/NDF: 4619336.6/37

All: 748.026+/-0.080 χ^2/NDF: 9434063.1/76

- sign 748.929+/-0.115 χ^2/NDF: 4814605.8/38

asym_sam_2468_avg_mean vs Slug



Right In: 717.617+/-488.239 χ^2/NDF: 21.0/15

Left Out: 957.219+/-169.666 χ^2/NDF:58.6/21

Right Out: 942.308+/-498.052 χ^2/NDF: 10.6/18

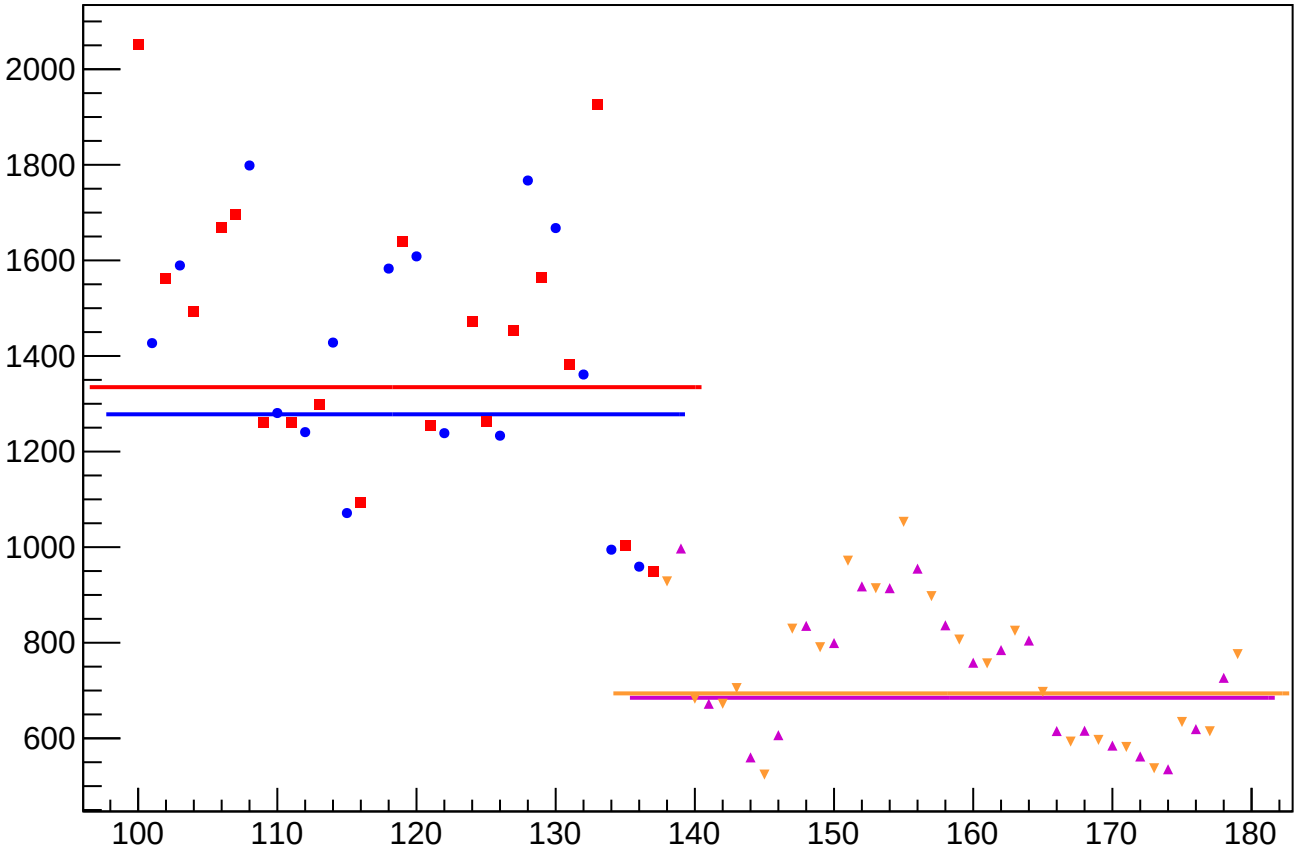
Left In: 143.436+/-173.115 χ^2/NDF:19.7/19

+ sign 931.402+/-160.265 χ^2/NDF: 79.8/37

All: 587.527+/-114.457 χ^2/NDF: 121.8/76

- sign 229.548+/-163.518 χ^2/NDF: 32.6/38

asym_sam_2468_avg_rms vs Slug



Right In: 1277.979+/-0.345 χ^2/NDF: 597666.8/15

Left Out: 694.028+/-0.120 χ^2/NDF:1270496.6/21

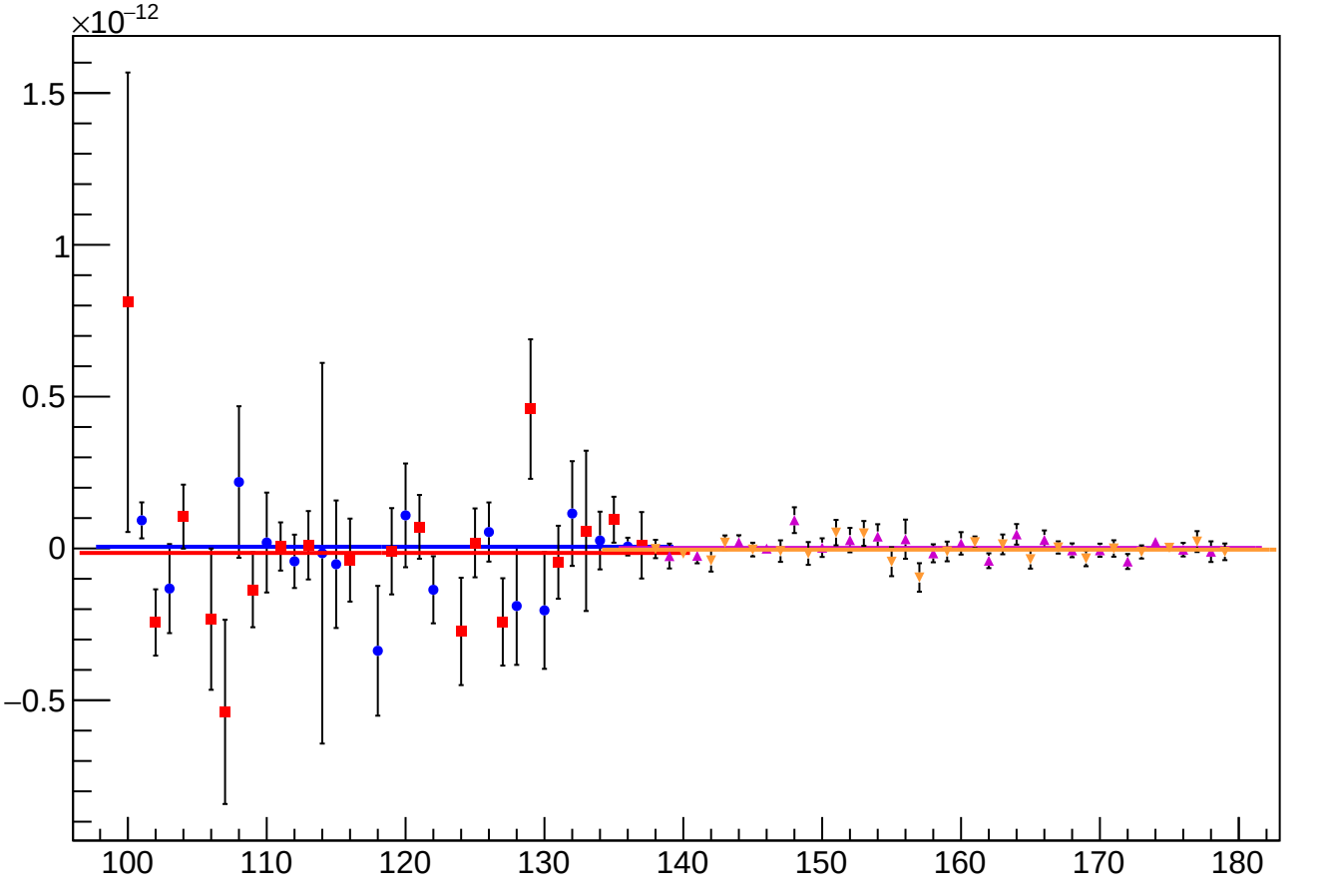
Right Out: 1334.775+/-0.352 χ^2/NDF: 471897.2/18

Left In: 684.875+/-0.122 χ^2/NDF:1164144.0/19

+ sign 756.948+/-0.113 χ^2/NDF: 4420893.0/37

All: 755.959+/-0.081 χ^2/NDF: 9095462.7/76

- sign 754.929+/-0.116 χ^2/NDF: 4674414.1/38



Right In: 0.000+/-0.000 χ^2/NDF: 11.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:16.2/21

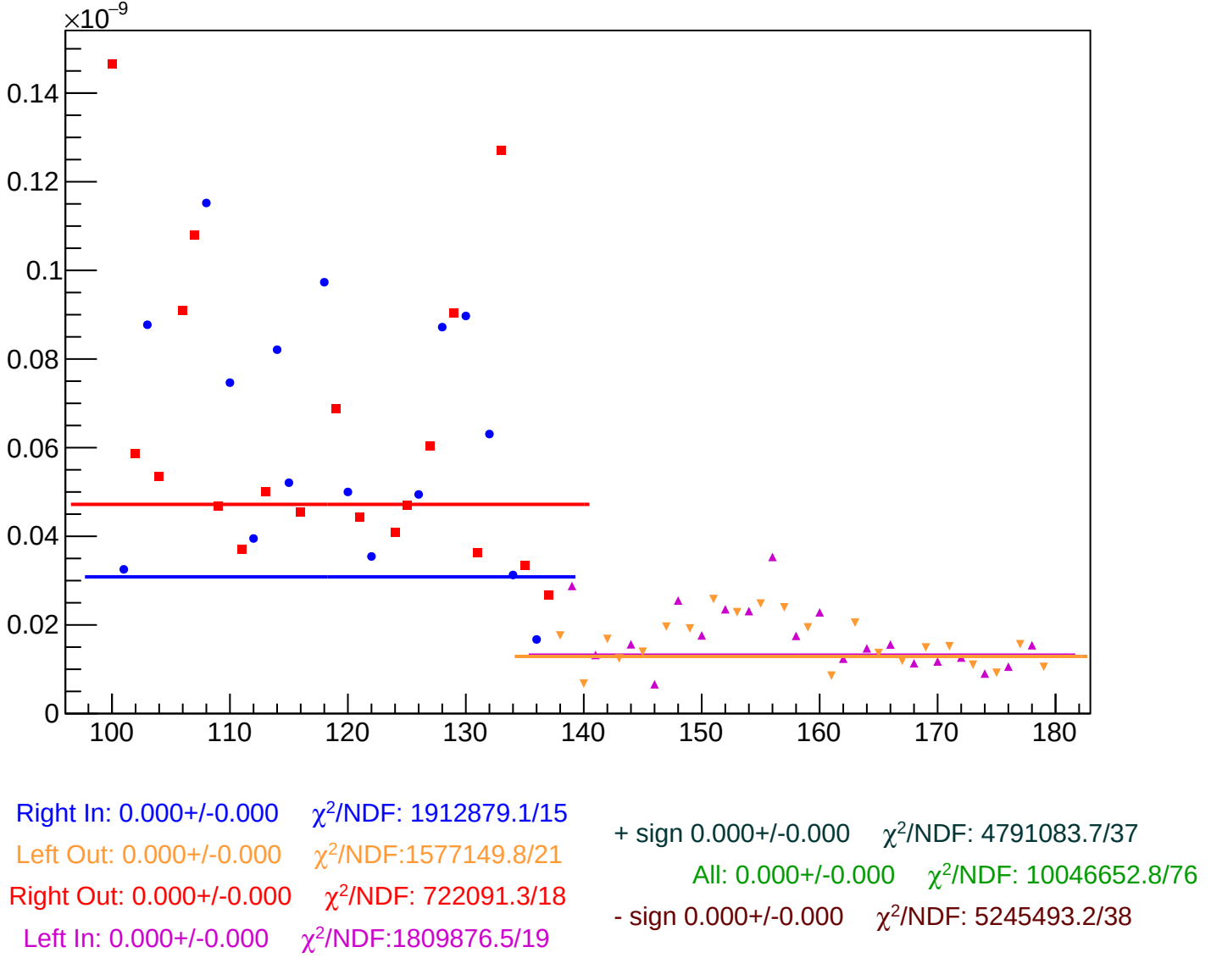
Right Out: -0.000+/-0.000 χ^2/NDF: 23.8/18

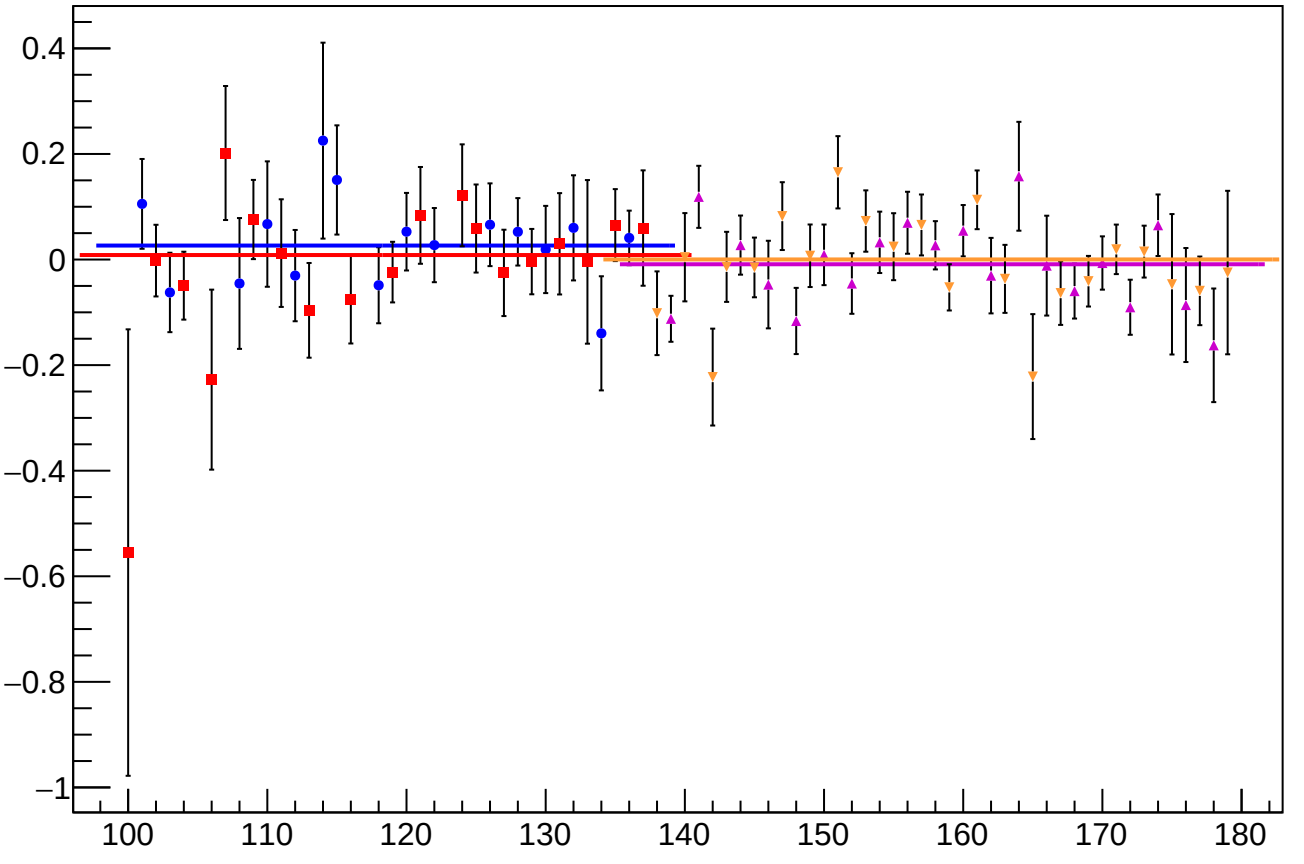
Left In: 0.000+/-0.000 χ^2/NDF:19.4/19

+ sign -0.000+/-0.000 χ^2/NDF: 28.0/37

All: -0.000+/-0.000 χ^2/NDF: 71.8/76

- sign 0.000+/-0.000 χ^2/NDF: 43.5/38


asym_sam_2468_avg_reg_vs_cor_diff_rms vs Slug
×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
180
Right In: 0.000+/-0.000 χ²/NDF: 1912879.1/15
Left Out: 0.000+/-0.000 χ²/NDF:1577149.8/21
Right Out: 0.000+/-0.000 χ²/NDF: 722091.3/18
Left In: 0.000+/-0.000 χ²/NDF:1809876.5/19
+ sign 0.000+/-0.000 χ²/NDF: 4791083.7/37
All: 0.000+/-0.000 χ²/NDF: 10046652.8/76
- sign 0.000+/-0.000 χ²/NDF: 5245493.2/38



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.000+/-0.013 χ^2/NDF:30.7/21

Right Out: 0.009+/-0.019 χ^2/NDF: 13.9/18

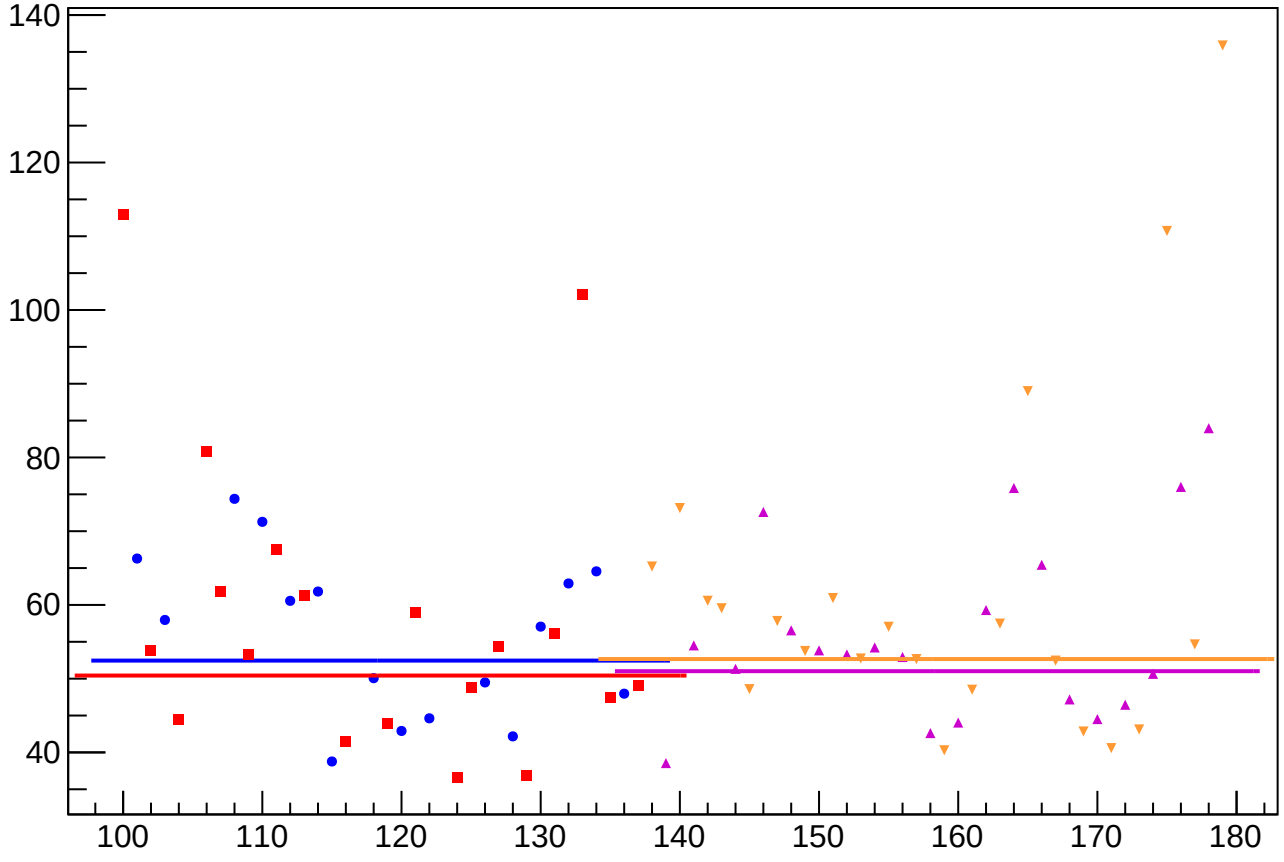
Left In: -0.009+/-0.013 χ^2/NDF:29.3/19

+ sign 0.008+/-0.011 χ^2/NDF: 41.8/37

All: 0.002+/-0.008 χ^2/NDF: 86.1/76

- sign -0.003+/-0.011 χ^2/NDF: 43.8/38

asym_sam_2468_avg_dit_vs_cor_diff_rms vs Slug



Right In: 52.451+/-0.014 χ^2/NDF: 418014.5/15

Left Out: 52.661+/-0.009 χ^2/NDF:1892196.7/21

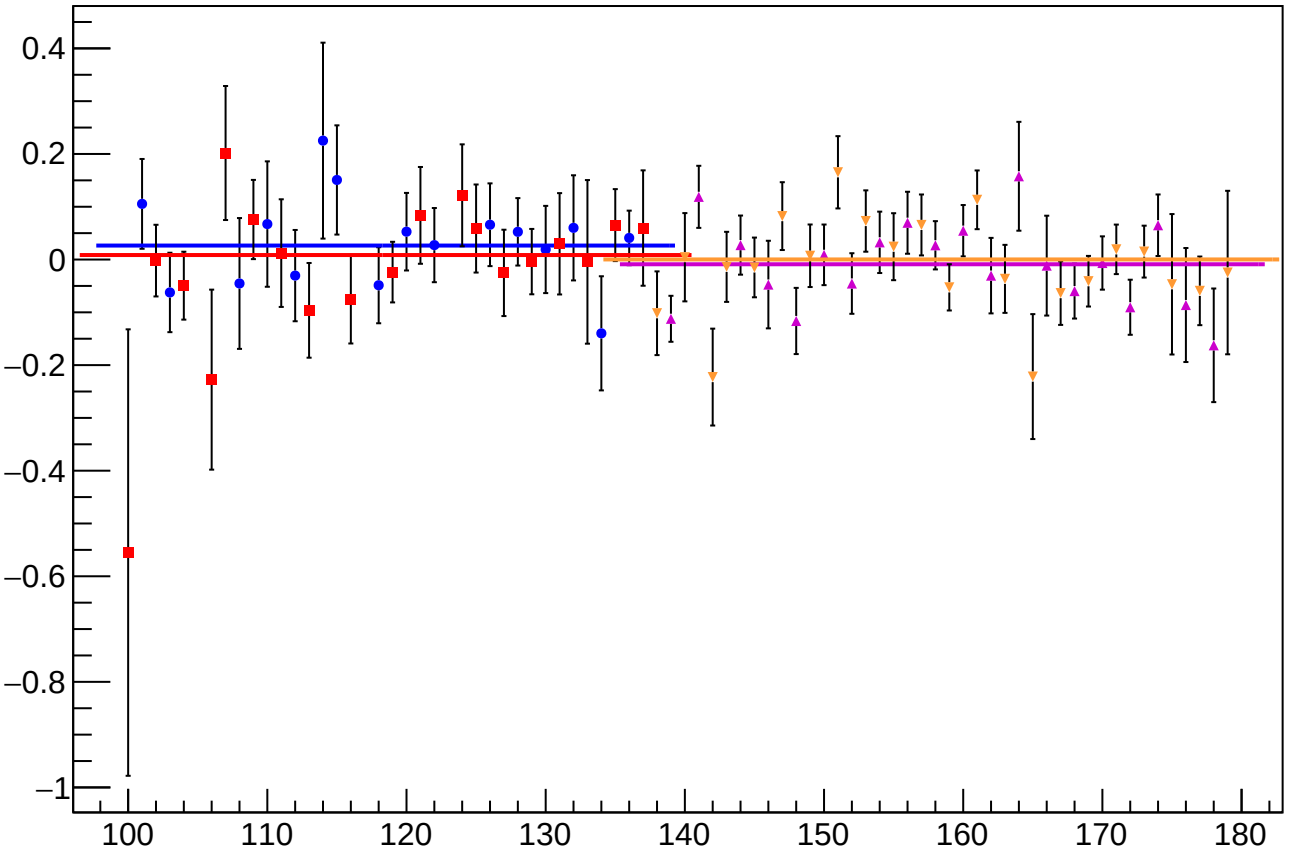
Right Out: 50.423+/-0.014 χ^2/NDF: 676747.2/18

Left In: 51.017+/-0.009 χ^2/NDF:990154.1/19

+ sign 52.598+/-0.008 χ^2/NDF: 2310360.2/37

All: 51.700+/-0.006 χ^2/NDF: 4004039.7/76

- sign 50.828+/-0.008 χ^2/NDF: 1668170.6/38



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.000+/-0.013 χ^2/NDF:30.7/21

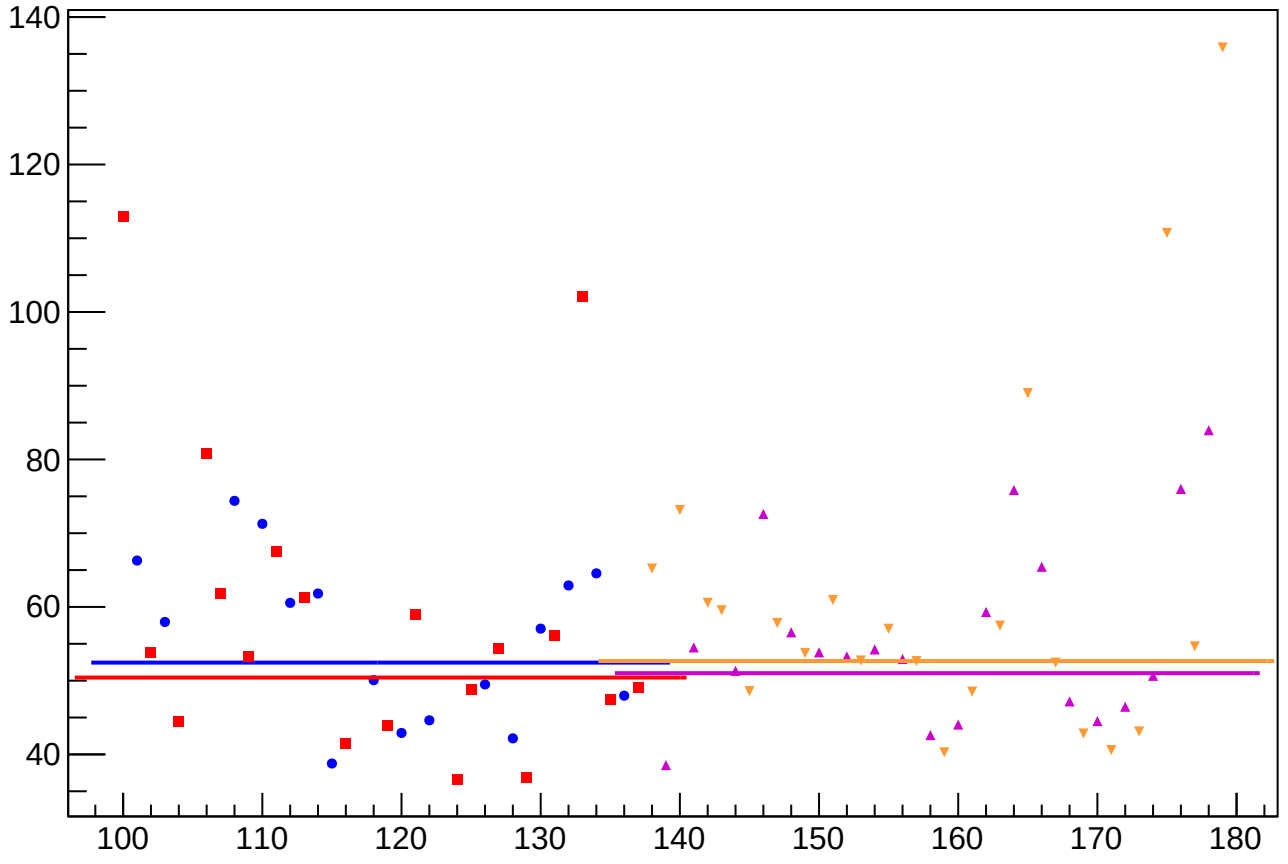
Right Out: 0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: -0.009+/-0.013 χ^2/NDF:29.3/19

+ sign 0.008+/-0.011 χ^2/NDF: 41.8/37

All: 0.002+/-0.008 χ^2/NDF: 86.1/76

- sign -0.003+/-0.011 χ^2/NDF: 43.8/38



Right In: 52.451+/-0.014 χ^2/NDF: 418014.5/15

Left Out: 52.661+/-0.009 χ^2/NDF:1892196.7/21

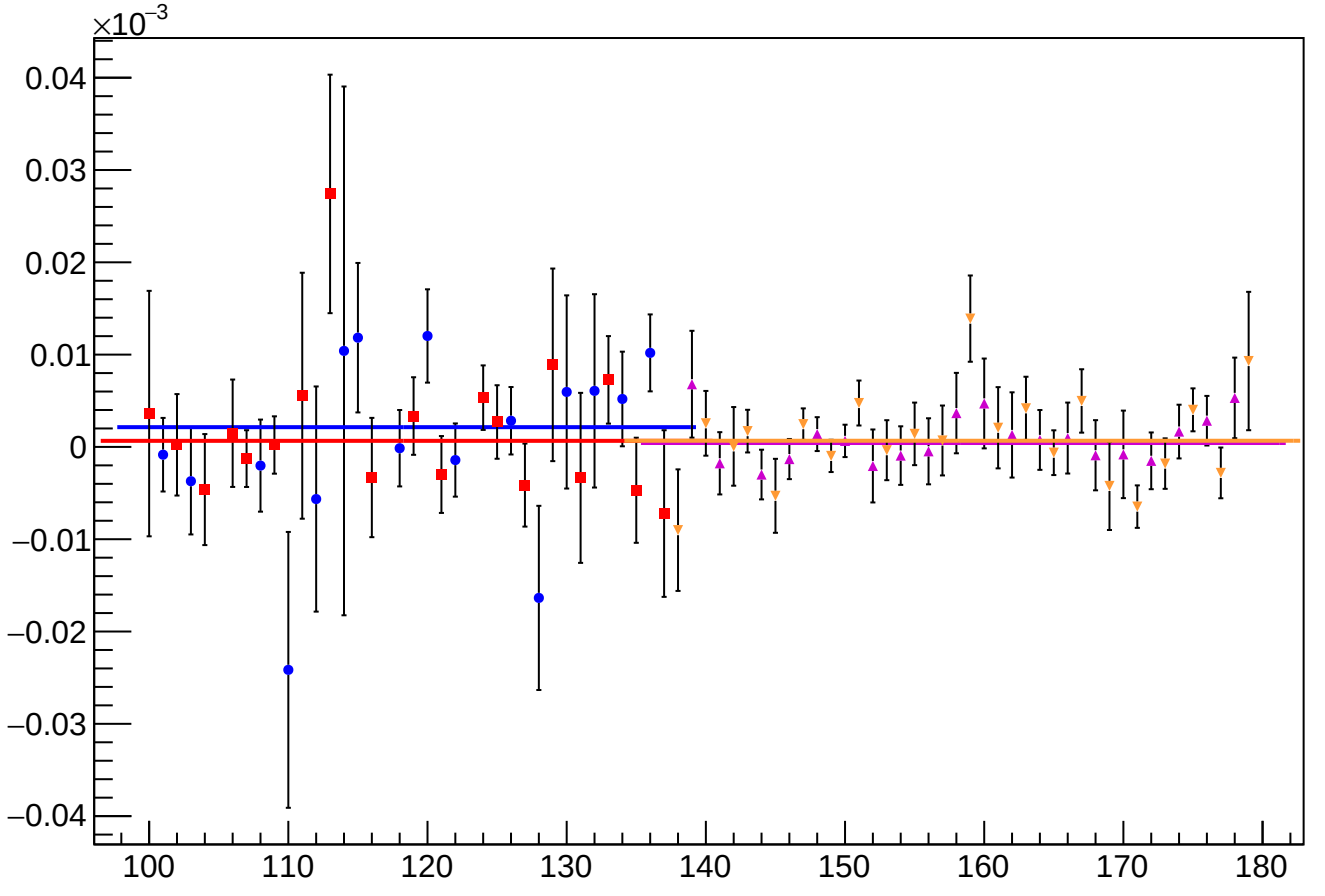
Right Out: 50.423+/-0.014 χ^2/NDF: 676747.2/18

Left In: 51.017+/-0.009 χ^2/NDF:990154.1/19

+ sign 52.598+/-0.008 χ^2/NDF: 2310360.2/37

All: 51.700+/-0.006 χ^2/NDF: 4004039.7/76

- sign 50.828+/-0.008 χ^2/NDF: 1668170.6/38



Right In: 0.000+/-0.000 χ^2/NDF: 20.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:37.4/21

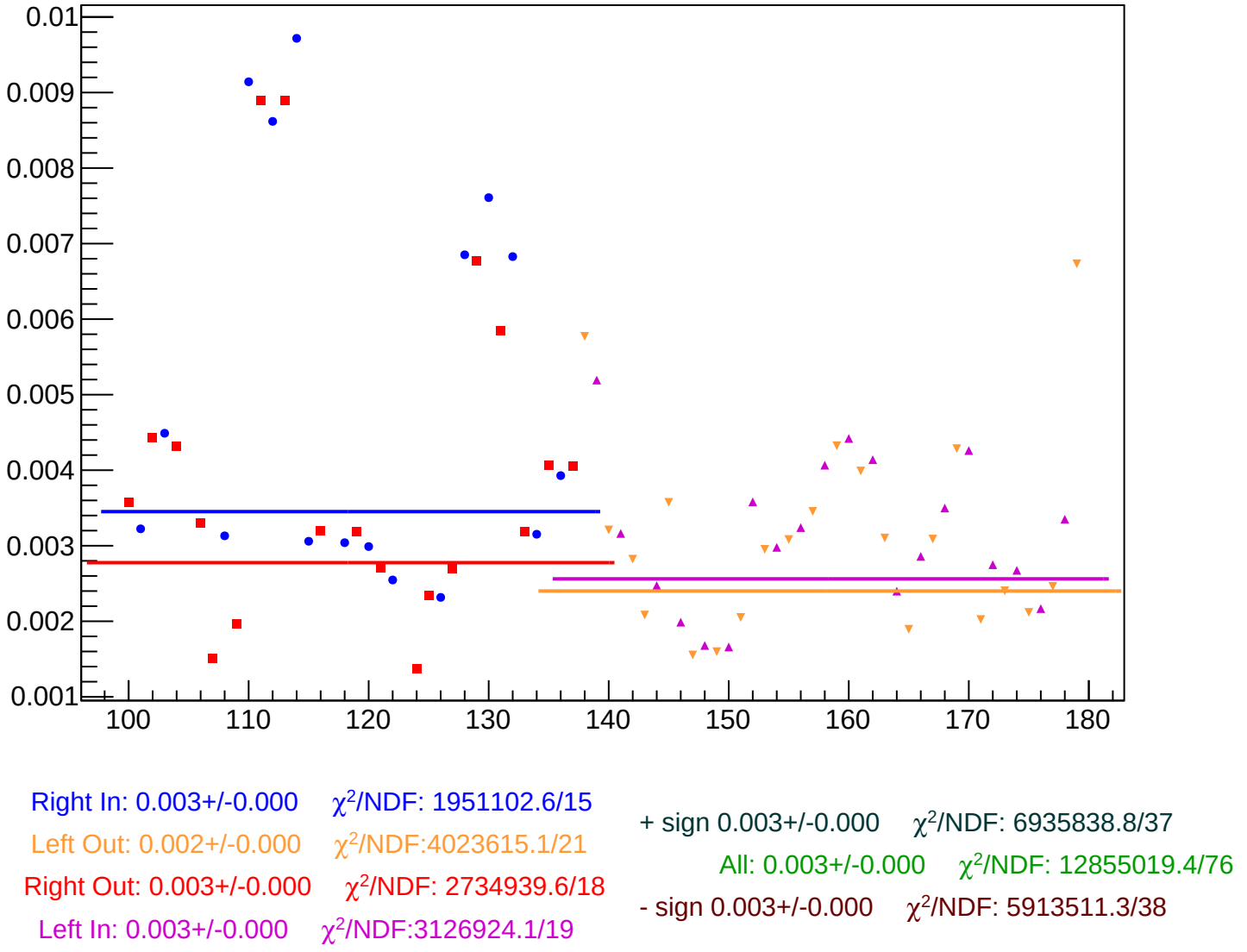
Right Out: 0.000+/-0.000 χ^2/NDF: 14.8/18

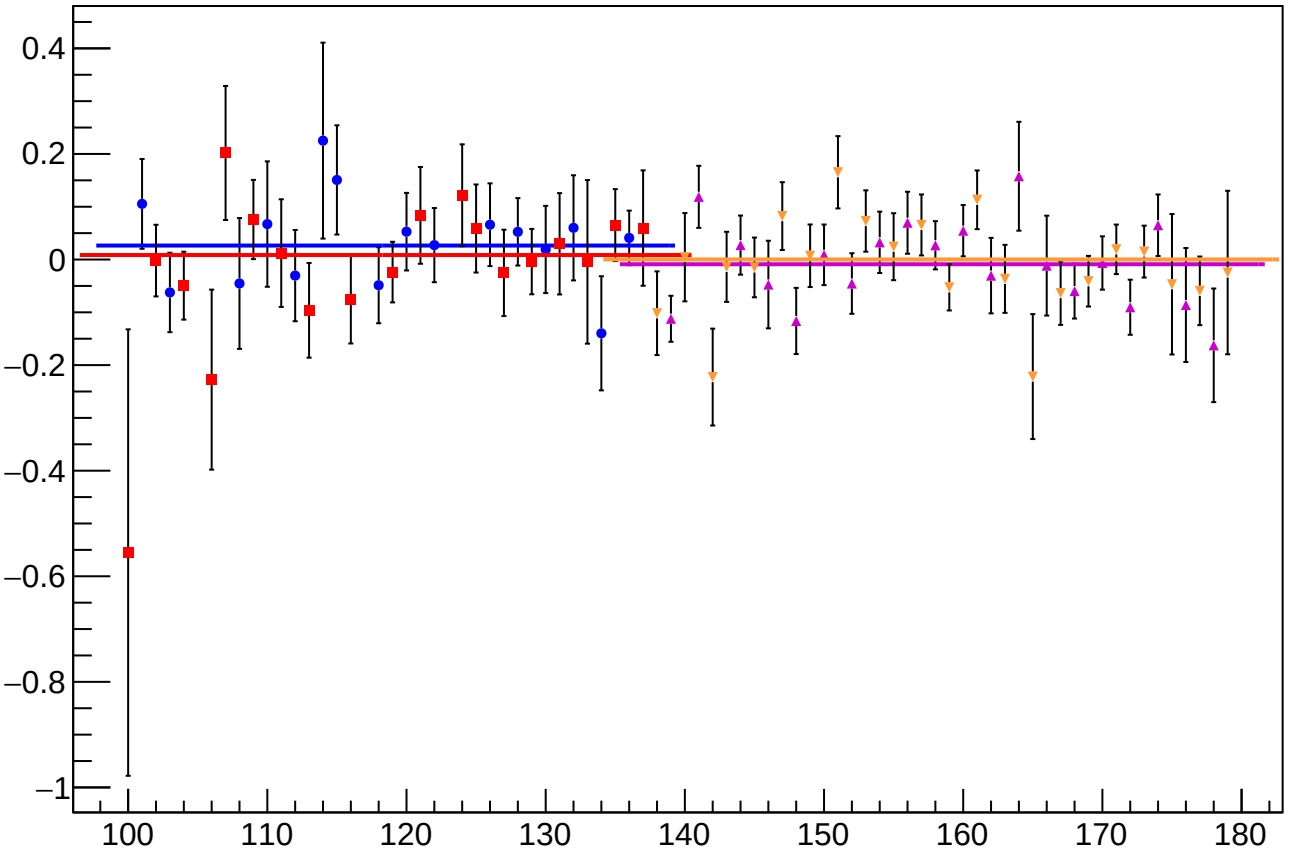
Left In: 0.000+/-0.000 χ^2/NDF:9.0/19

+ sign 0.000+/-0.000 χ^2/NDF: 58.4/37

All: 0.000+/-0.000 χ^2/NDF: 82.6/76

- sign 0.000+/-0.000 χ^2/NDF: 23.9/38


asym_sam_2468_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.01
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
180
Right In: 0.003+/-0.000 χ²/NDF: 1951102.6/15
Left Out: 0.002+/-0.000 χ²/NDF:4023615.1/21
Right Out: 0.003+/-0.000 χ²/NDF: 2734939.6/18
Left In: 0.003+/-0.000 χ²/NDF:3126924.1/19
+ sign 0.003+/-0.000 χ²/NDF: 6935838.8/37
All: 0.003+/-0.000 χ²/NDF: 12855019.4/76
- sign 0.003+/-0.000 χ²/NDF: 5913511.3/38



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.000+/-0.013 χ^2/NDF:30.7/21

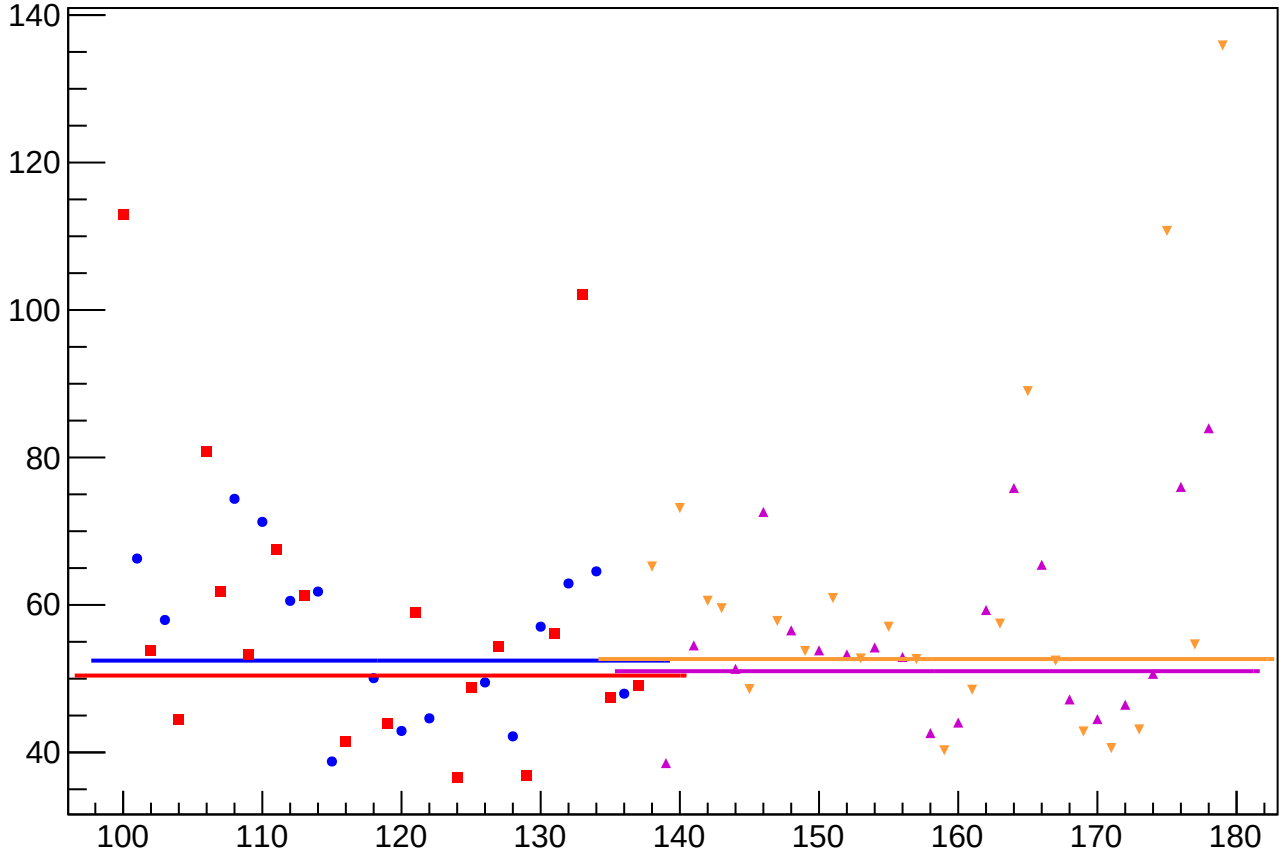
Right Out: 0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: -0.009+/-0.013 χ^2/NDF:29.3/19

+ sign 0.008+/-0.011 χ^2/NDF: 41.8/37

All: 0.002+/-0.008 χ^2/NDF: 86.1/76

- sign -0.003+/-0.011 χ^2/NDF: 43.8/38



Right In: 52.450+/-0.014 χ^2/NDF: 417967.5/15

Left Out: 52.662+/-0.009 χ^2/NDF:1892228.4/21

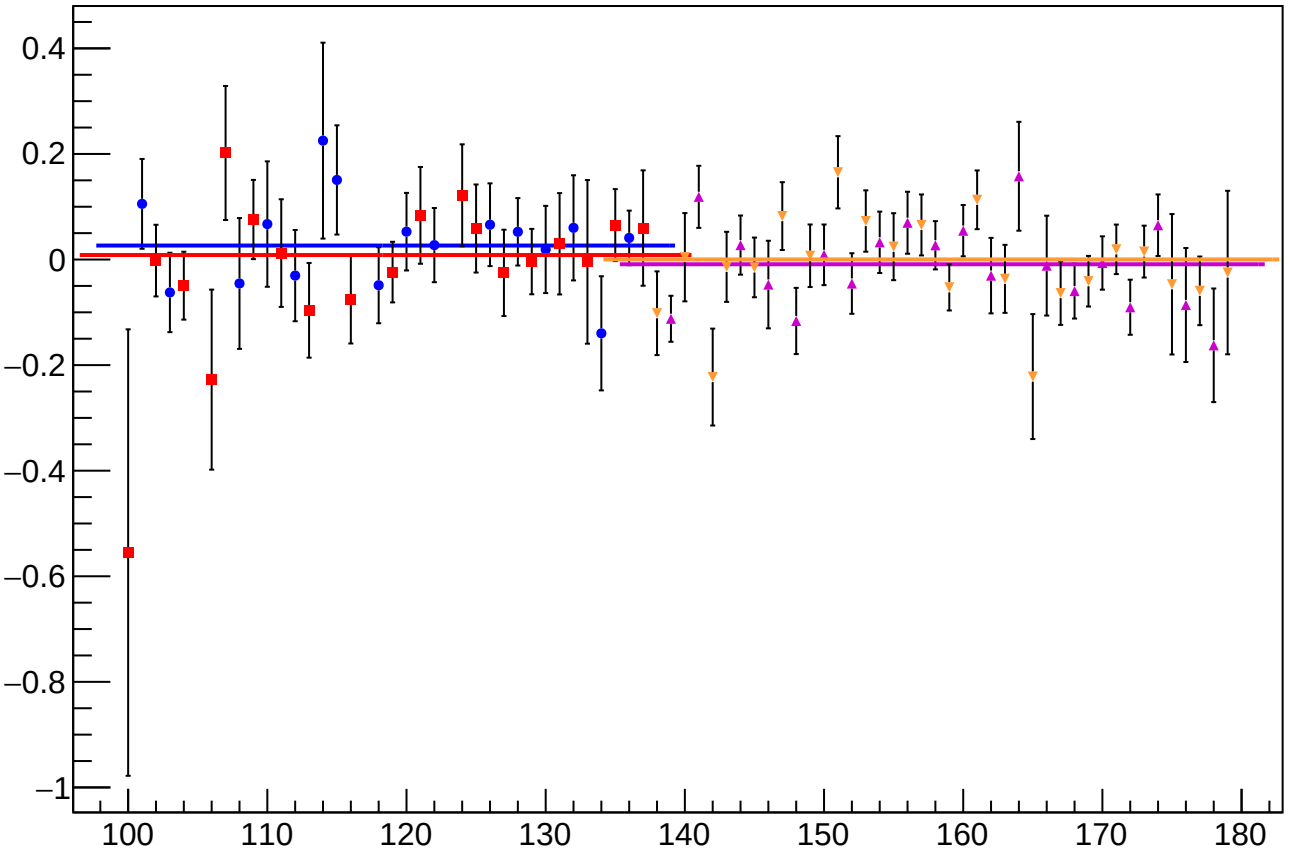
Right Out: 50.422+/-0.014 χ^2/NDF: 676753.5/18

Left In: 51.018+/-0.009 χ^2/NDF:990218.3/19

\+ sign 52.598+/-0.008 χ^2/NDF: 2310347.0/37

All: 51.700+/-0.006 χ^2/NDF: 4004104.8/76

\- sign 50.828+/-0.008 χ^2/NDF: 1668247.1/38



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.000+/-0.013 χ^2/NDF:30.7/21

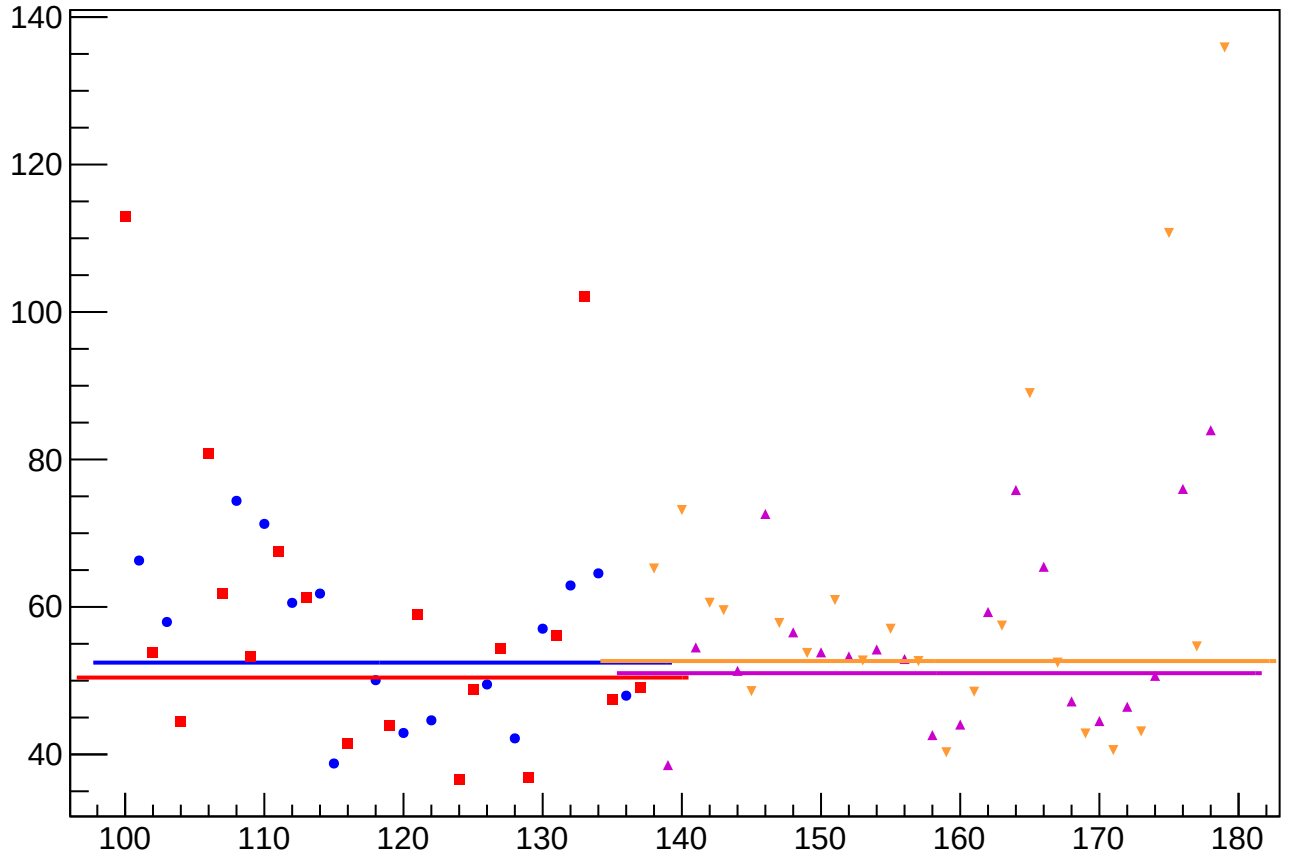
Right Out: 0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: -0.009+/-0.013 χ^2/NDF:29.3/19

+ sign 0.008+/-0.011 χ^2/NDF: 41.8/37

All: 0.002+/-0.008 χ^2/NDF: 86.1/76

- sign -0.003+/-0.011 χ^2/NDF: 43.8/38



Right In: 52.450+/-0.014 χ^2/NDF: 417967.5/15

Left Out: 52.662+/-0.009 χ^2/NDF:1892228.4/21

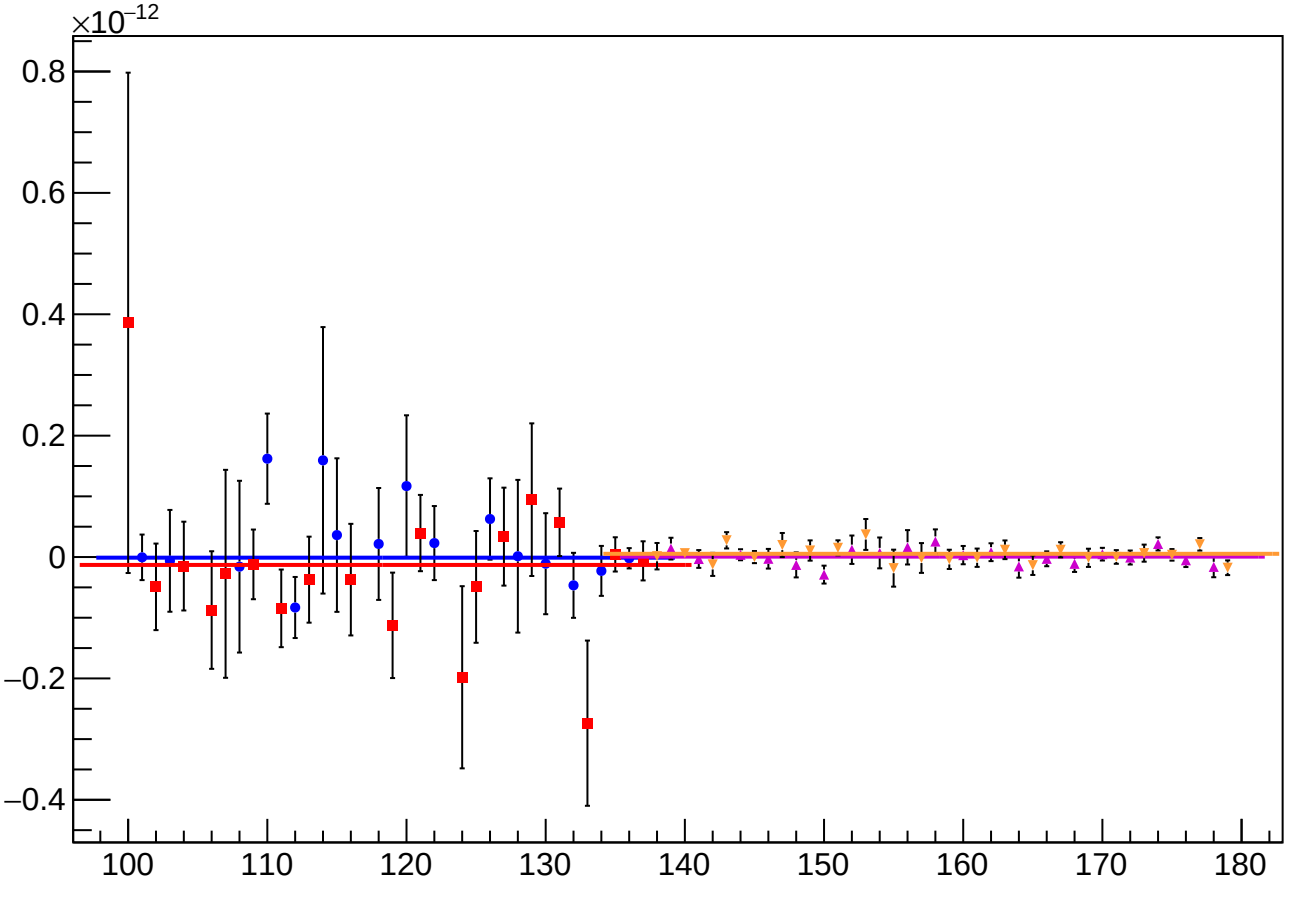
Right Out: 50.422+/-0.014 χ^2/NDF: 676753.5/18

Left In: 51.018+/-0.009 χ^2/NDF:990218.3/19

+ sign 52.598+/-0.008 χ^2/NDF: 2310347.0/37

All: 51.700+/-0.006 χ^2/NDF: 4004104.8/76

- sign 50.828+/-0.008 χ^2/NDF: 1668247.1/38



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:16.1/21

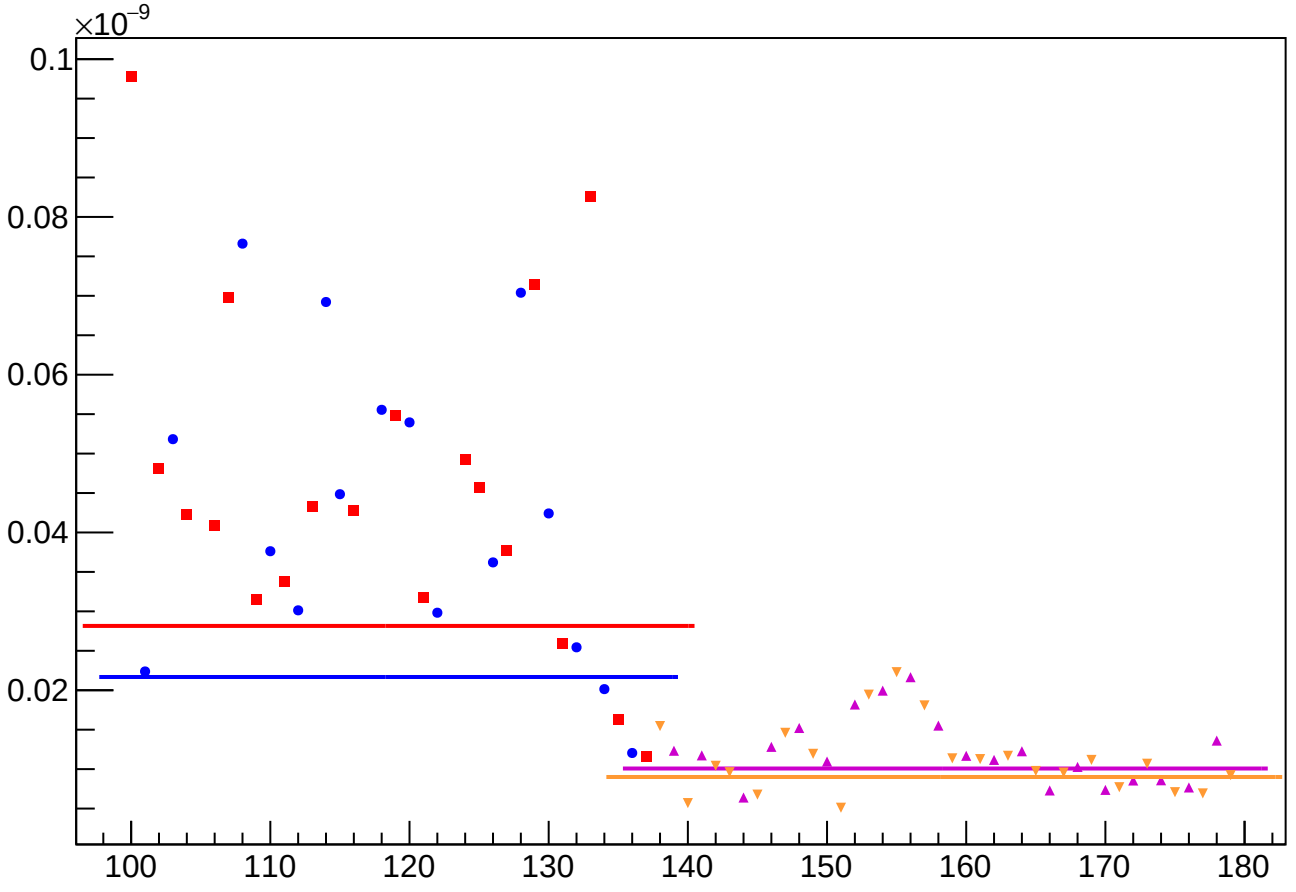
Right Out: -0.000+/-0.000 χ^2/NDF: 13.7/18

Left In: 0.000+/-0.000 χ^2/NDF:14.4/19

+ sign 0.000+/-0.000 χ^2/NDF: 27.6/37

All: 0.000+/-0.000 χ^2/NDF: 57.9/76

- sign 0.000+/-0.000 χ^2/NDF: 28.9/38



Right In: 0.000+/-0.000 χ^2/NDF: 2522749.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2446047.3/21

Right Out: 0.000+/-0.000 χ^2/NDF: 2381736.6/18

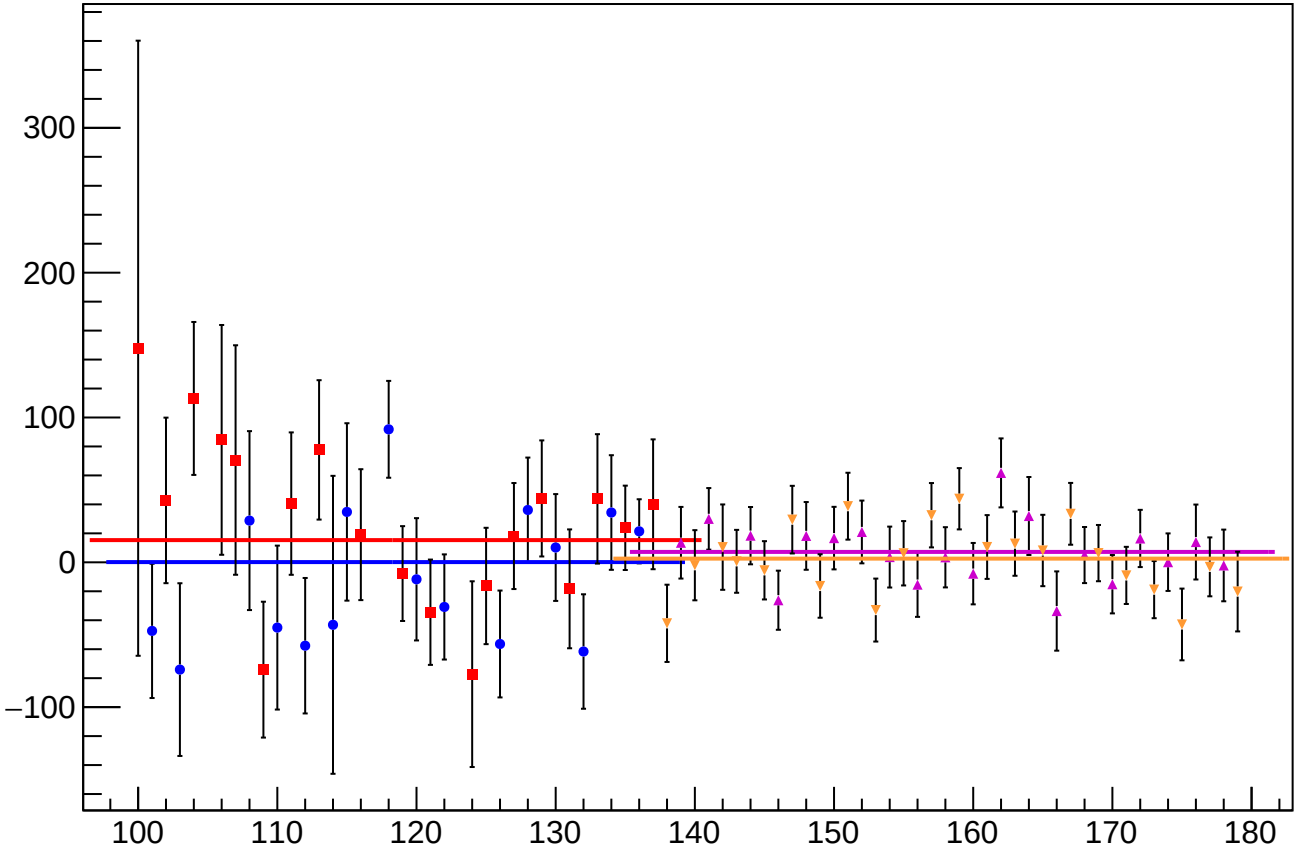
Left In: 0.000+/-0.000 χ^2/NDF:2149324.4/19

+ sign 0.000+/-0.000 χ^2/NDF: 7084460.0/37

All: 0.000+/-0.000 χ^2/NDF: 14746499.8/76

- sign 0.000+/-0.000 χ^2/NDF: 7495375.0/38

reg_asym_sam_1357_2468_dd_mean vs Slug



Right In: 0.155+/-10.048 χ^2/NDF: 21.3/15

Left Out: 2.548+/-4.760 χ^2/NDF:24.1/21

Right Out: 15.333+/-10.267 χ^2/NDF: 17.9/18

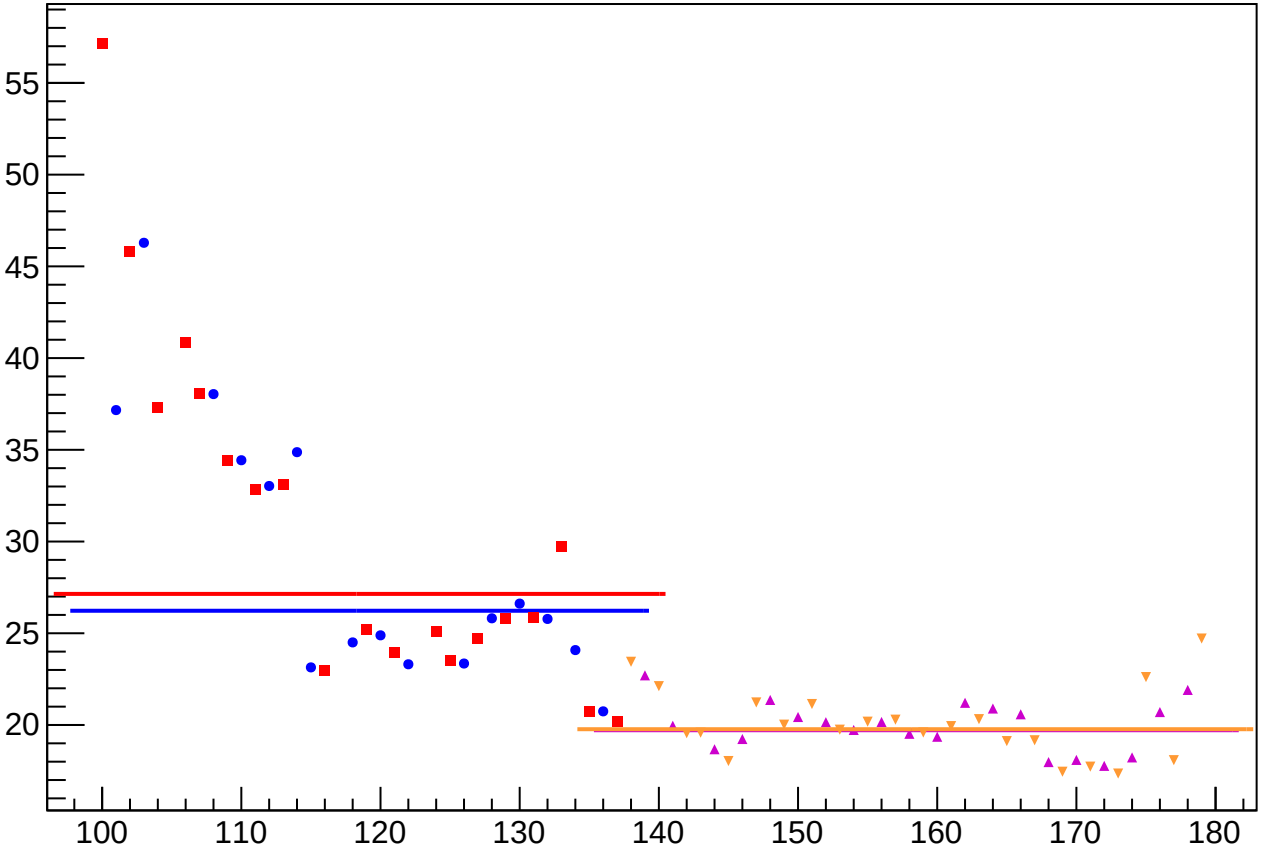
Left In: 7.178+/-4.906 χ^2/NDF:16.7/19

+ sign 2.110+/-4.302 χ^2/NDF: 45.5/37

All: 5.308+/-3.085 χ^2/NDF: 81.9/76

- sign 8.694+/-4.427 χ^2/NDF: 35.2/38

reg_asym_sam_1357_2468_dd_rms vs Slug



Right In: 26.227+/-0.007 χ^2/NDF: 676026.2/15

Left Out: 19.770+/-0.003 χ^2/NDF:277798.0/21

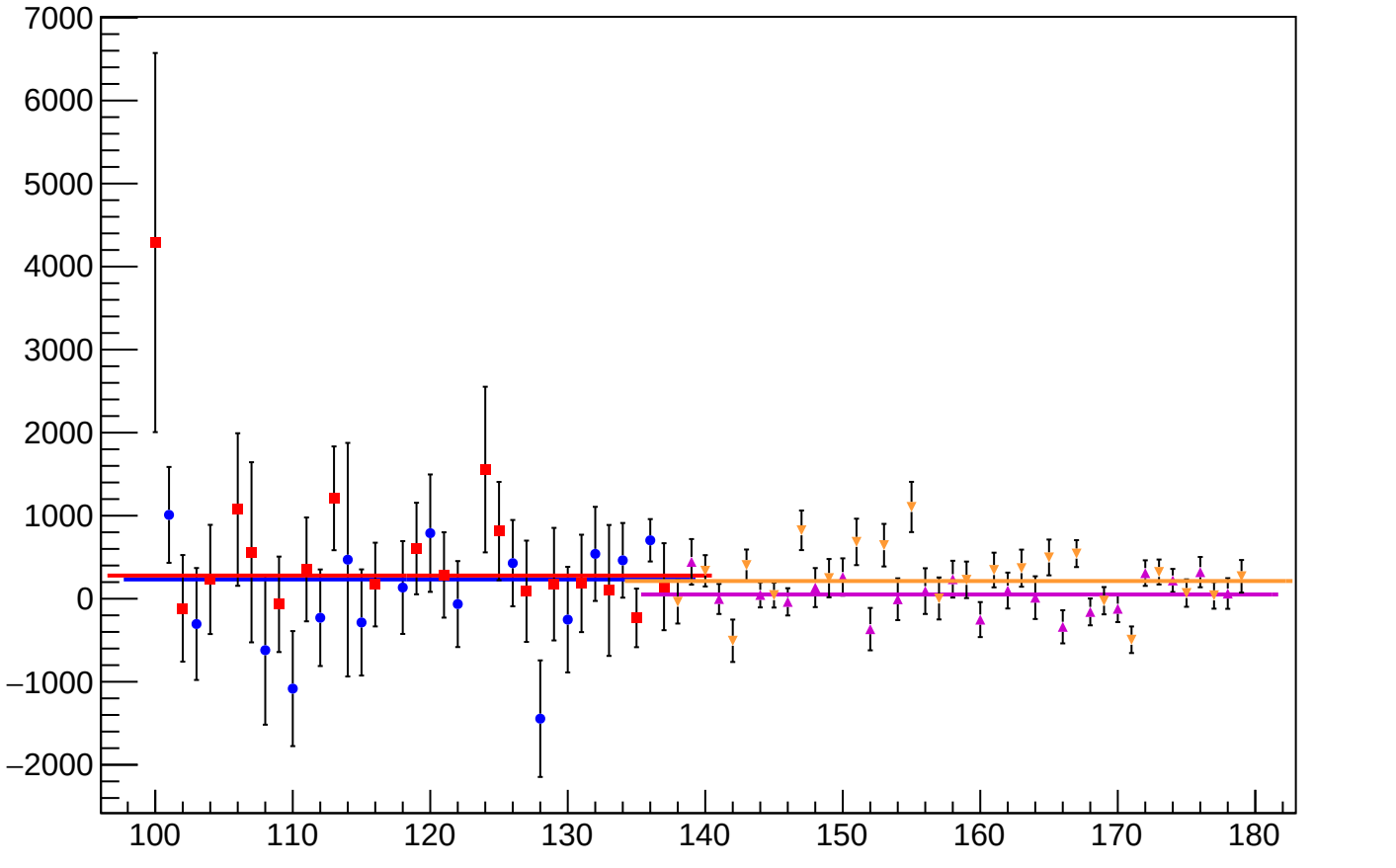
Right Out: 27.145+/-0.007 χ^2/NDF: 755419.8/18

Left In: 19.714+/-0.003 χ^2/NDF:142542.4/19

+ sign 20.953+/-0.003 χ^2/NDF: 1628455.3/37

All: 21.022+/-0.002 χ^2/NDF: 3380434.5/76

- sign 21.096+/-0.003 χ^2/NDF: 1750913.9/38



Right In: 232.092+/-134.871 χ^2/NDF: 19.6/15

Left Out: 213.238+/-41.997 χ^2/NDF:64.2/21

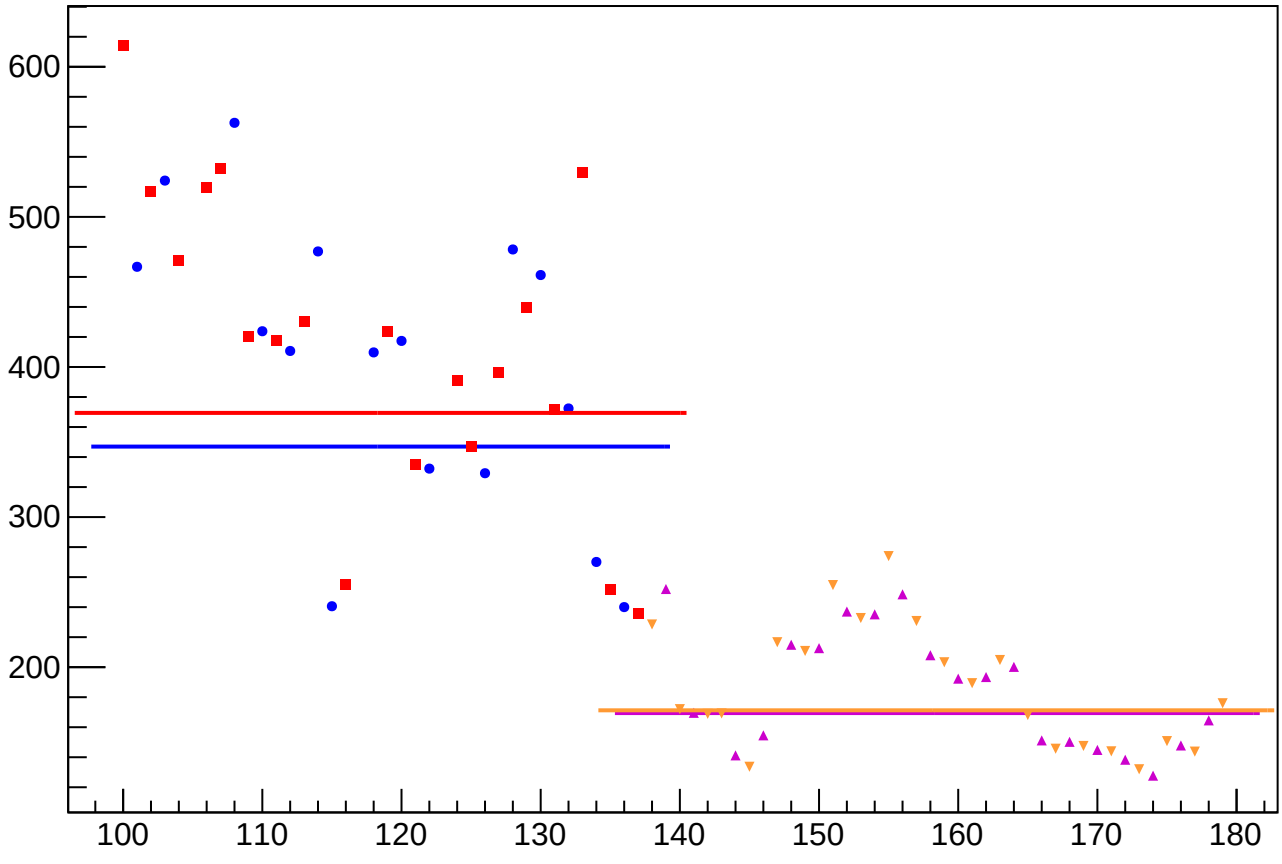
Right Out: 279.042+/-139.965 χ^2/NDF: 12.1/18

Left In: 51.186+/-42.968 χ^2/NDF:22.1/19

\+ sign 214.905+/-40.098 χ^2/NDF: 83.8/37

All: 144.593+/-28.693 χ^2/NDF: 126.7/76

\- sign 70.810+/-41.076 χ^2/NDF: 36.6/38



Right In: 346.969+/-0.095 χ^2/NDF: 1058029.4/15

Left Out: 171.258+/-0.030 χ^2/NDF:1467813.2/21

Right Out: 369.410+/-0.099 χ^2/NDF: 918852.6/18

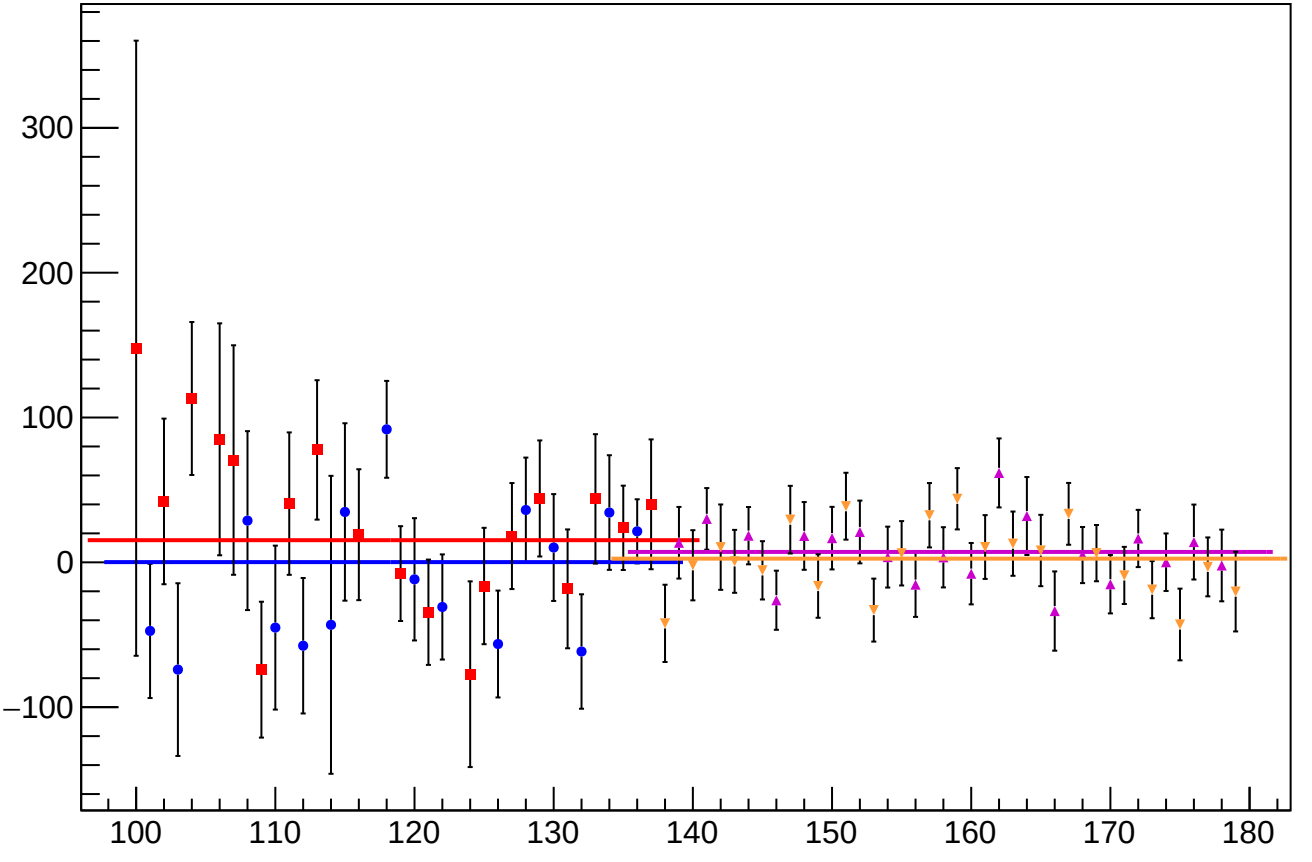
Left In: 169.426+/-0.030 χ^2/NDF:1378667.8/19

+ sign 186.790+/-0.028 χ^2/NDF: 5620402.6/37

All: 186.721+/-0.020 χ^2/NDF: 11649316.5/76

- sign 186.650+/-0.029 χ^2/NDF: 6028902.0/38

cor_asym_sam_1357_2468_dd_mean vs Slug



Right In: 0.157+/-10.048 χ^2/NDF: 21.3/15

Left Out: 2.547+/-4.760 χ^2/NDF:24.1/21

Right Out: 15.292+/-10.269 χ^2/NDF: 17.9/18

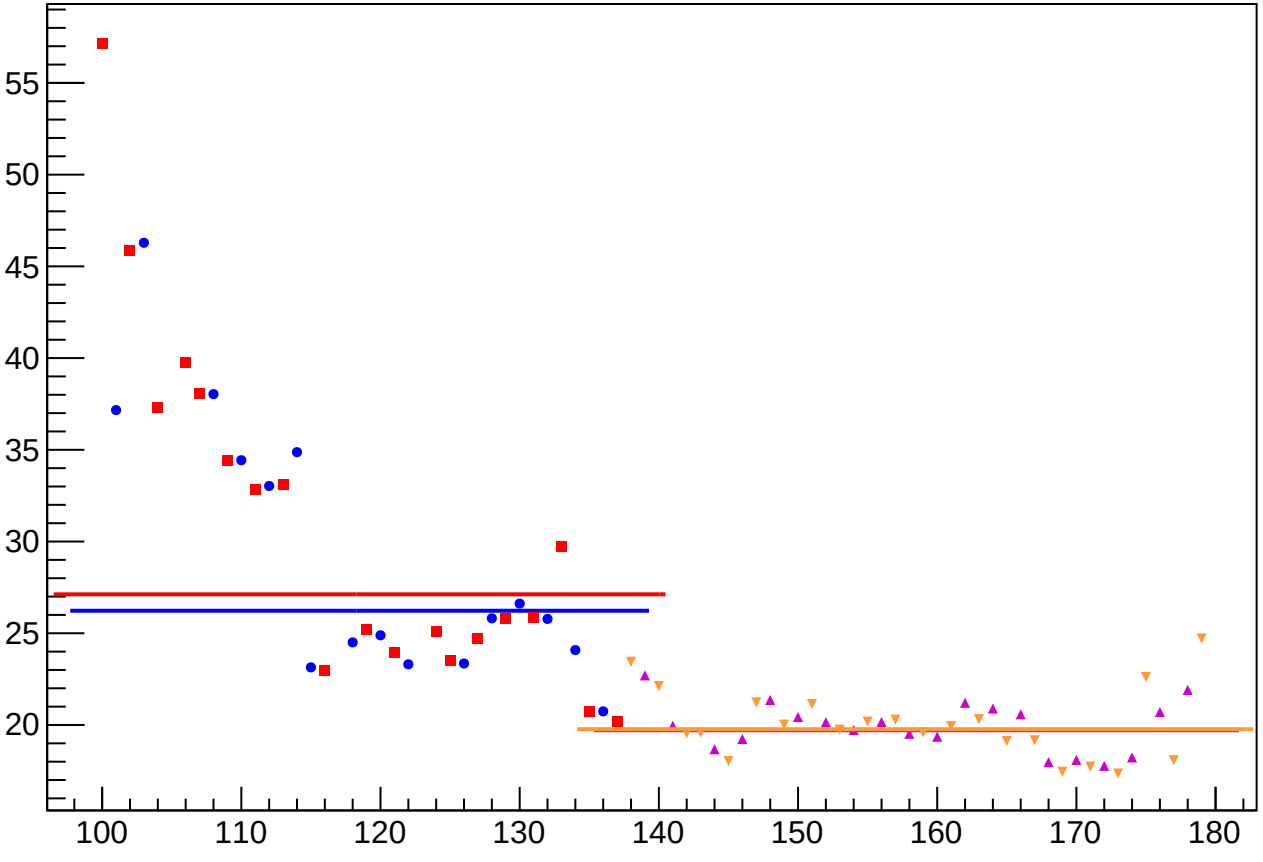
Left In: 7.178+/-4.906 χ^2/NDF:16.7/19

+ sign 2.109+/-4.302 χ^2/NDF: 45.5/37

All: 5.303+/-3.085 χ^2/NDF: 81.8/76

- sign 8.686+/-4.427 χ^2/NDF: 35.2/38

cor_asym_sam_1357_2468_dd_rms vs Slug



Right In: 26.227+/-0.007 χ^2/NDF: 676029.5/15

Left Out: 19.770+/-0.003 χ^2/NDF:277798.0/21

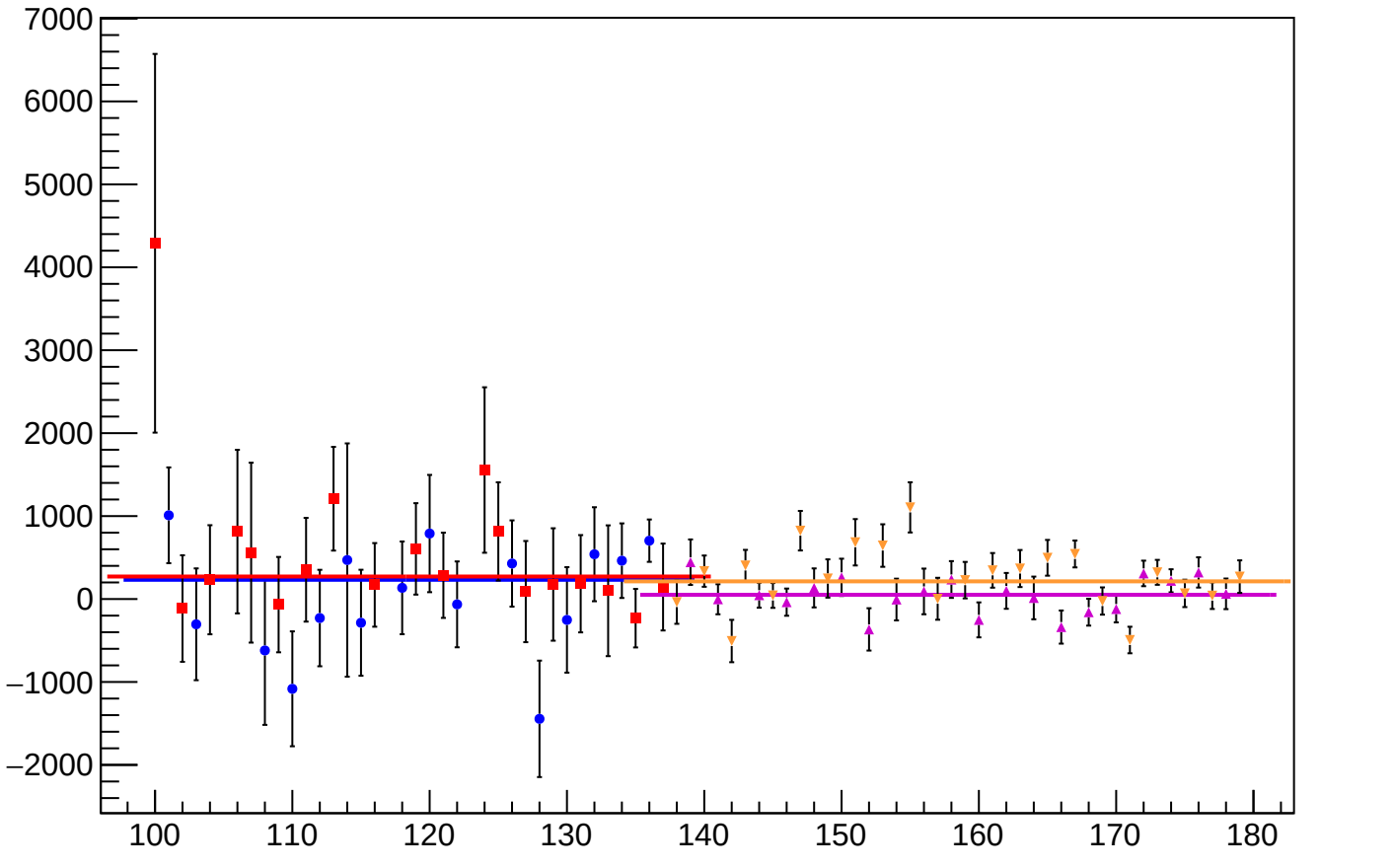
Right Out: 27.123+/-0.007 χ^2/NDF: 745675.5/18

Left In: 19.714+/-0.003 χ^2/NDF:142542.4/19

+ sign 20.953+/-0.003 χ^2/NDF: 1628458.7/37

All: 21.020+/-0.002 χ^2/NDF: 3365375.3/76

- sign 21.091+/-0.003 χ^2/NDF: 1735916.8/38



Right In: 232.084+/-134.871 χ^2/NDF: 19.6/15

Left Out: 213.237+/-41.997 χ^2/NDF:64.2/21

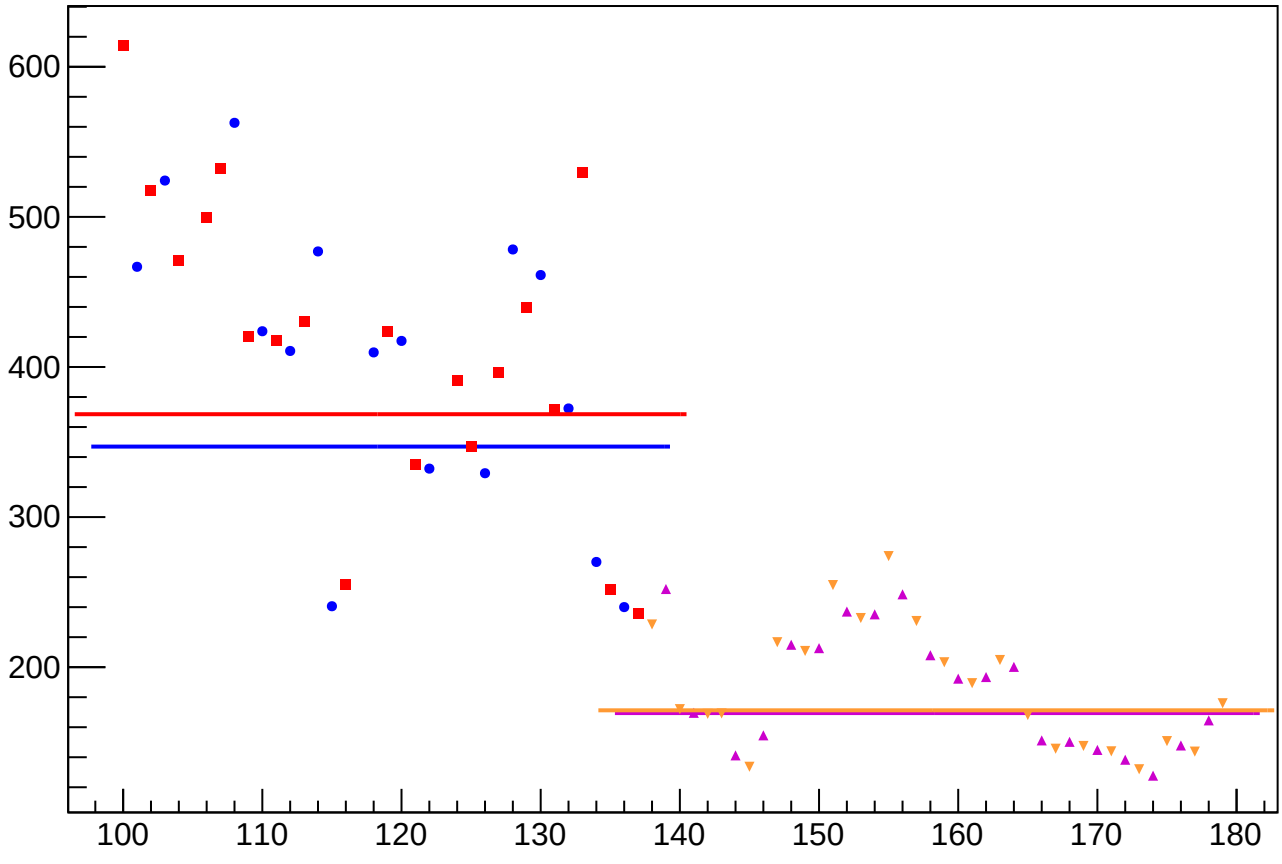
Right Out: 271.412+/-140.183 χ^2/NDF: 11.6/18

Left In: 51.186+/-42.968 χ^2/NDF:22.1/19

+ sign 214.903+/-40.098 χ^2/NDF: 83.9/37

All: 144.254+/-28.695 χ^2/NDF: 126.2/76

- sign 70.099+/-41.081 χ^2/NDF: 36.0/38



Right In: 346.969+/-0.095 χ^2/NDF: 1058057.4/15

Left Out: 171.258+/-0.030 χ^2/NDF:1467816.0/21

Right Out: 368.543+/-0.099 χ^2/NDF: 900219.6/18

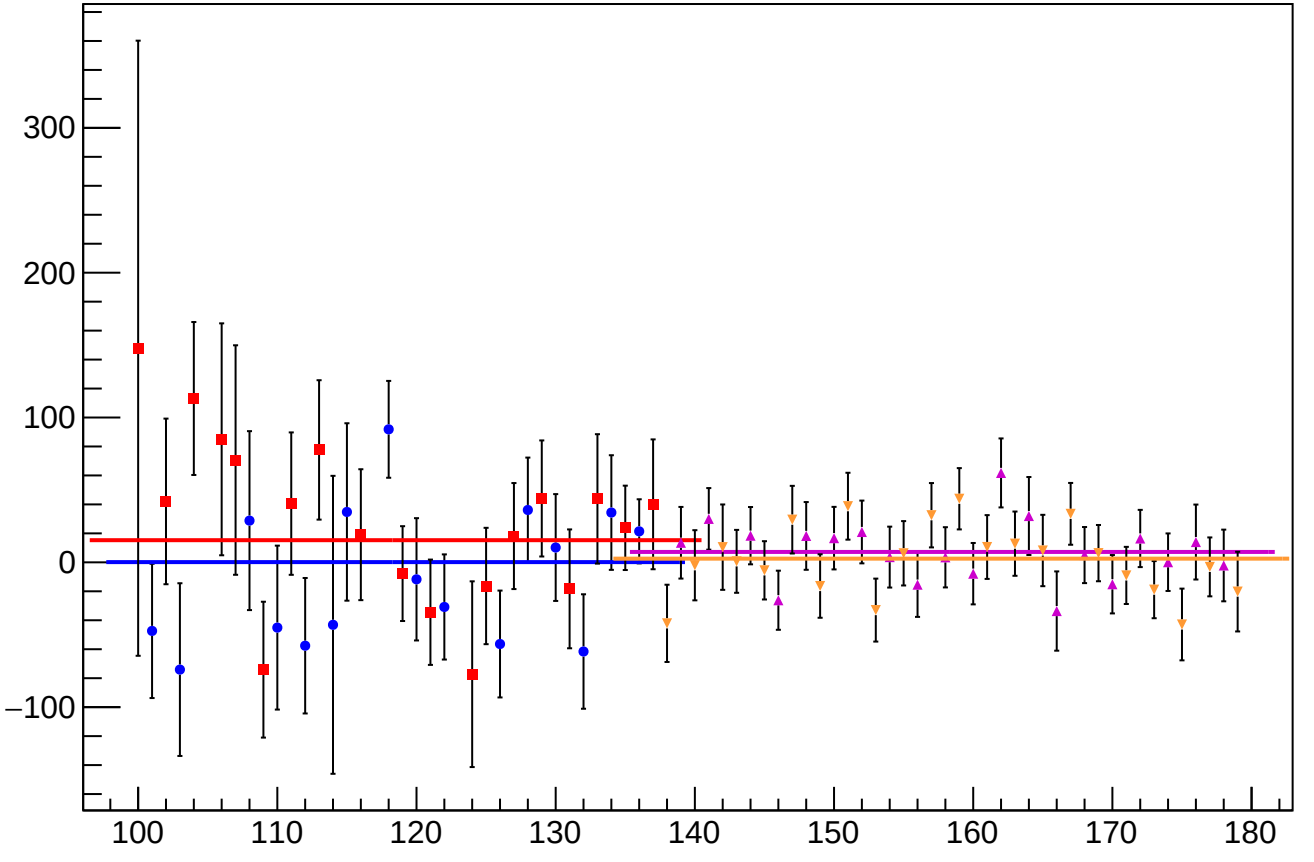
Left In: 169.426+/-0.030 χ^2/NDF:1378664.8/19

+ sign 186.790+/-0.028 χ^2/NDF: 5620432.5/37

All: 186.661+/-0.020 χ^2/NDF: 11587966.5/76

- sign 186.526+/-0.029 χ^2/NDF: 5967492.0/38

eigen_cor_asym_sam_1357_2468_dd_mean vs Slug



Right In: 0.157+/-10.048 χ^2/NDF: 21.3/15

Left Out: 2.547+/-4.760 χ^2/NDF:24.1/21

Right Out: 15.292+/-10.269 χ^2/NDF: 17.9/18

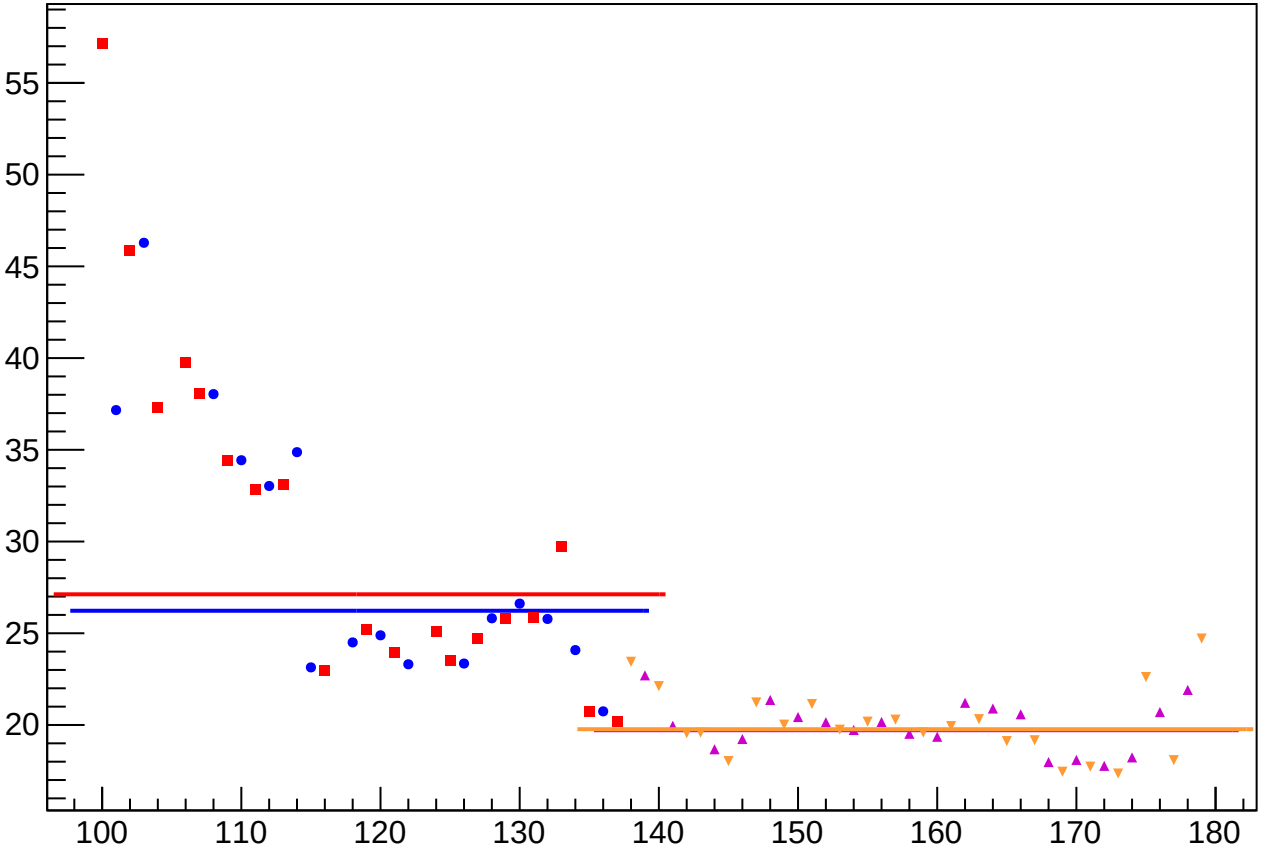
Left In: 7.178+/-4.906 χ^2/NDF:16.7/19

+ sign 2.109+/-4.302 χ^2/NDF: 45.5/37

All: 5.303+/-3.085 χ^2/NDF: 81.8/76

- sign 8.686+/-4.427 χ^2/NDF: 35.2/38

eigen_cor_asym_sam_1357_2468_dd_rms vs Slug



Right In: 26.227+/-0.007 χ^2/NDF: 676029.5/15

Left Out: 19.770+/-0.003 χ^2/NDF:277798.0/21

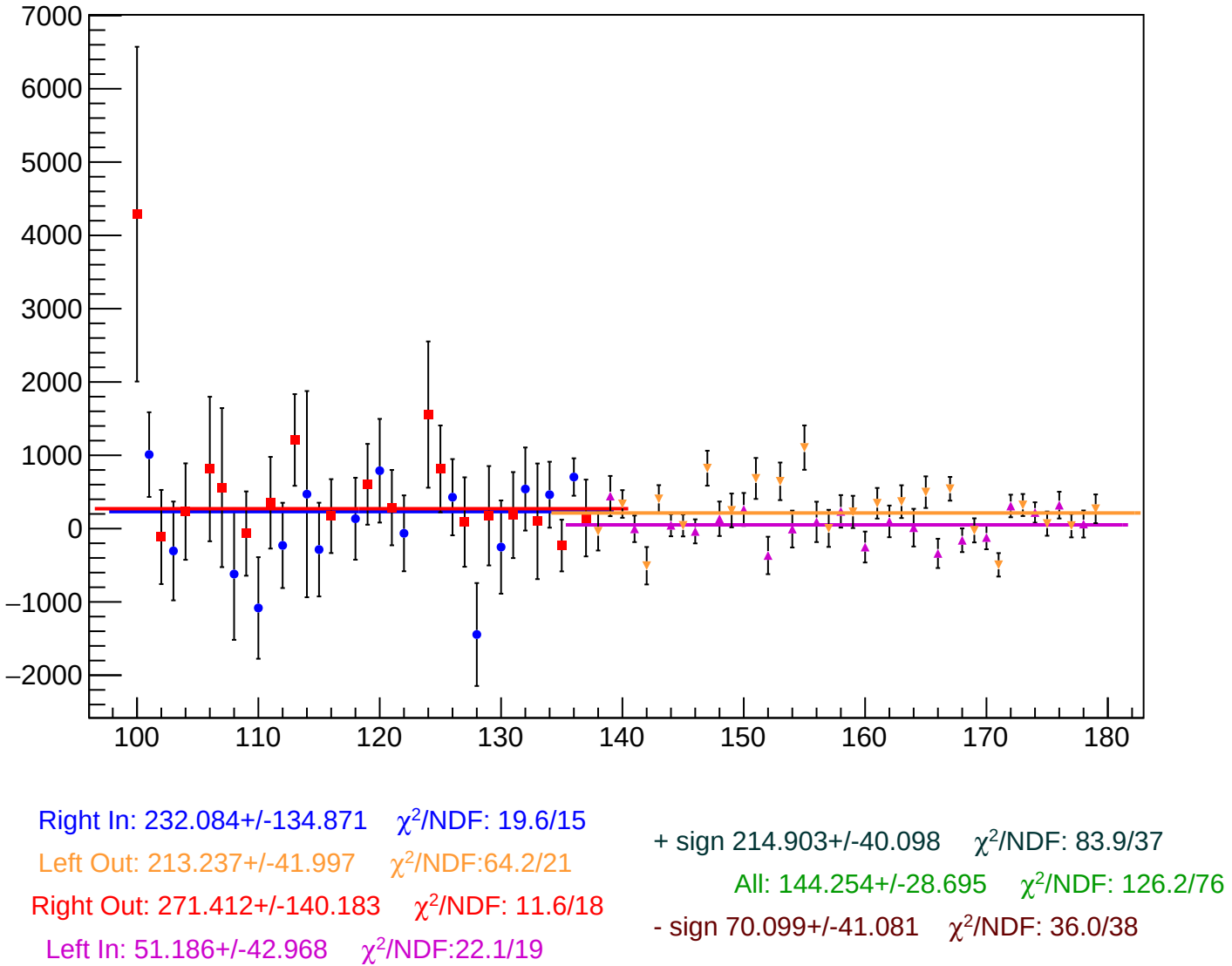
Right Out: 27.123+/-0.007 χ^2/NDF: 745675.5/18

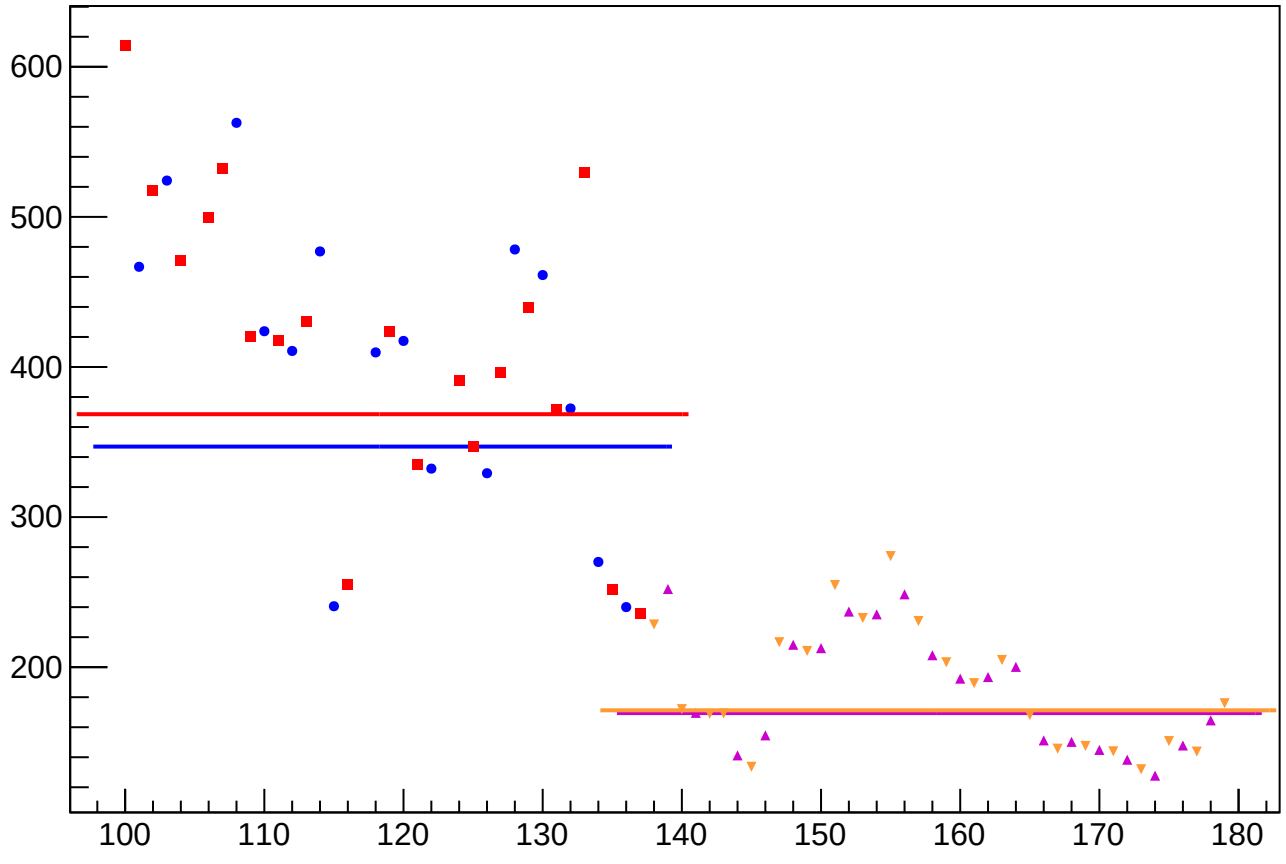
Left In: 19.714+/-0.003 χ^2/NDF:142542.4/19

+ sign 20.953+/-0.003 χ^2/NDF: 1628458.7/37

All: 21.020+/-0.002 χ^2/NDF: 3365375.3/76

- sign 21.091+/-0.003 χ^2/NDF: 1735916.8/38


asym_sam_1357_2468_dd_eigen_cor_correction_mean vs Slug
7000
6000
5000
4000
3000
2000
1000
0
−1000
−2000
100
110
120
130
140
150
160
170
180
Right In: 232.084+/-134.871 χ²/NDF: 19.6/15
Left Out: 213.237+/-41.997 χ²/NDF:64.2/21
Right Out: 271.412+/-140.183 χ²/NDF: 11.6/18
Left In: 51.186+/-42.968 χ²/NDF:22.1/19
+ sign 214.903+/-40.098 χ²/NDF: 83.9/37
All: 144.254+/-28.695 χ²/NDF: 126.2/76
- sign 70.099+/-41.081 χ²/NDF: 36.0/38



Right In: 346.969+/-0.095 χ^2/NDF: 1058057.4/15

Left Out: 171.258+/-0.030 χ^2/NDF:1467816.0/21

Right Out: 368.543+/-0.099 χ^2/NDF: 900219.6/18

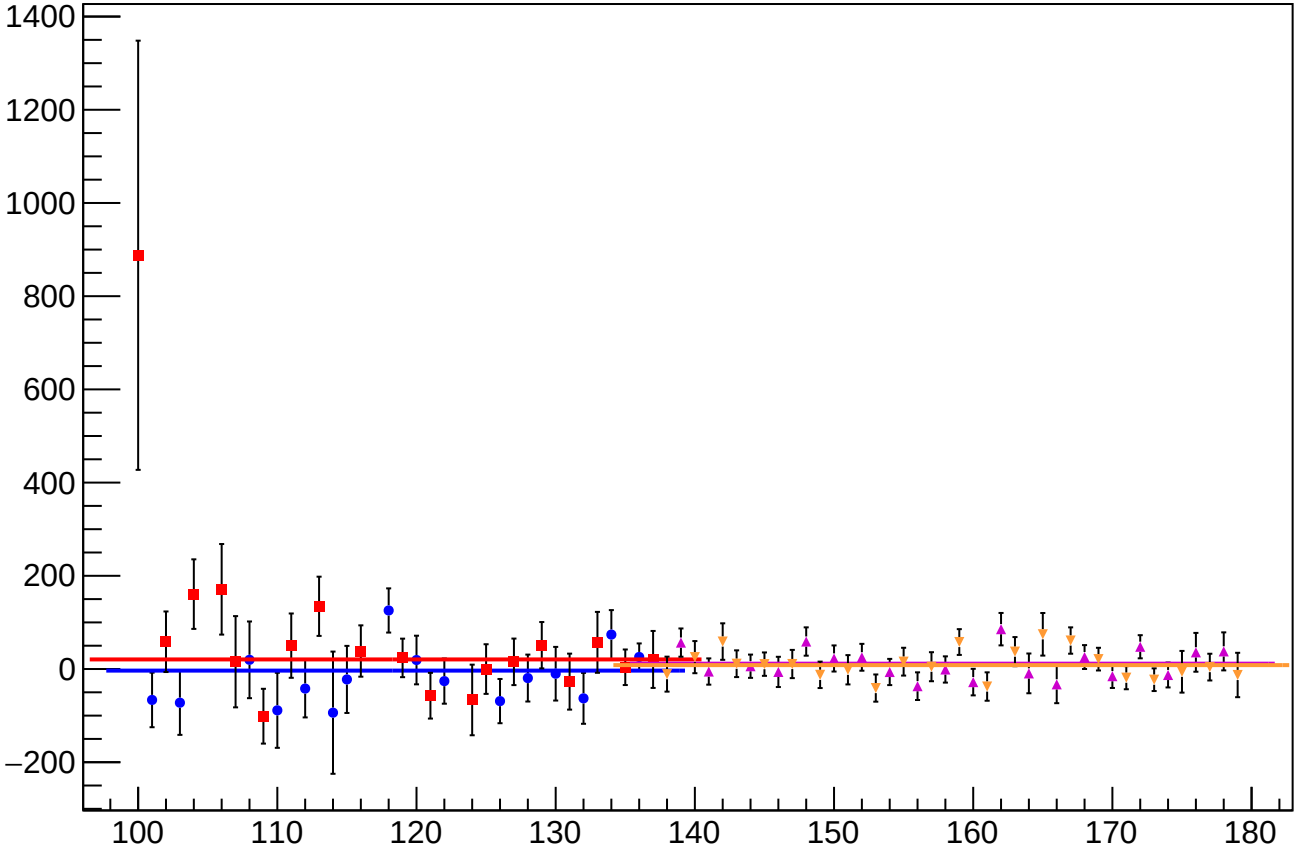
Left In: 169.426+/-0.030 χ^2/NDF:1378664.8/19

+ sign 186.790+/-0.028 χ^2/NDF: 5620432.5/37

All: 186.661+/-0.020 χ^2/NDF: 11587966.5/76

- sign 186.526+/-0.029 χ^2/NDF: 5967492.0/38

dit_asym_sam_1357_2468_dd_mean vs Slug



Right In: -3.423+/-13.393 χ^2/NDF: 18.5/15

Left Out: 8.353+/-6.458 χ^2/NDF:21.1/21

Right Out: 20.569+/-13.475 χ^2/NDF: 23.1/18

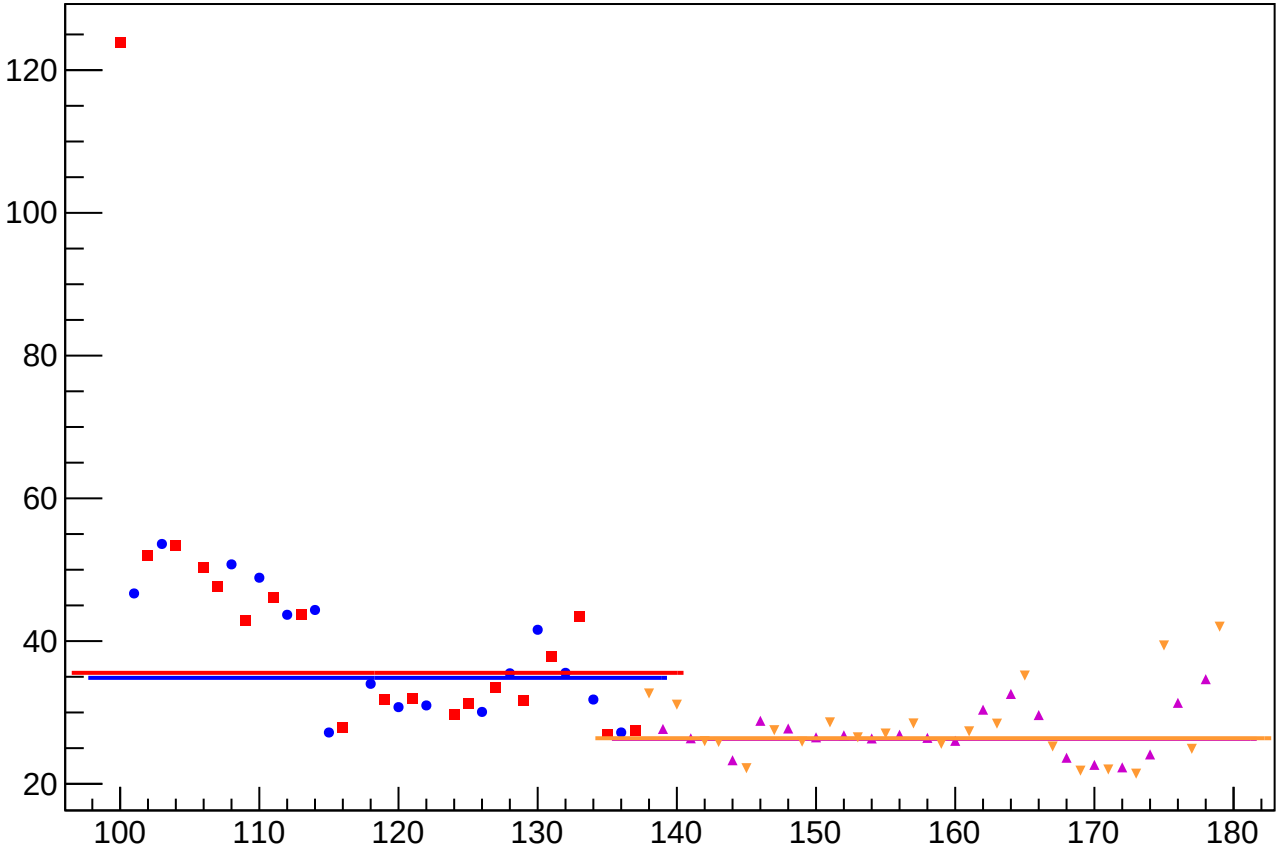
Left In: 11.471+/-6.648 χ^2/NDF:22.1/19

+ sign 6.131+/-5.817 χ^2/NDF: 40.2/37

All: 9.604+/-4.164 χ^2/NDF: 86.5/76

- sign 13.252+/-5.962 χ^2/NDF: 45.6/38

dit_asym_sam_1357_2468_dd_rms vs Slug



Right In: 34.850+/-0.009 χ^2/NDF: 658141.6/15

Left Out: 26.389+/-0.005 χ^2/NDF:867297.7/21

Right Out: 35.553+/-0.010 χ^2/NDF: 779880.3/18

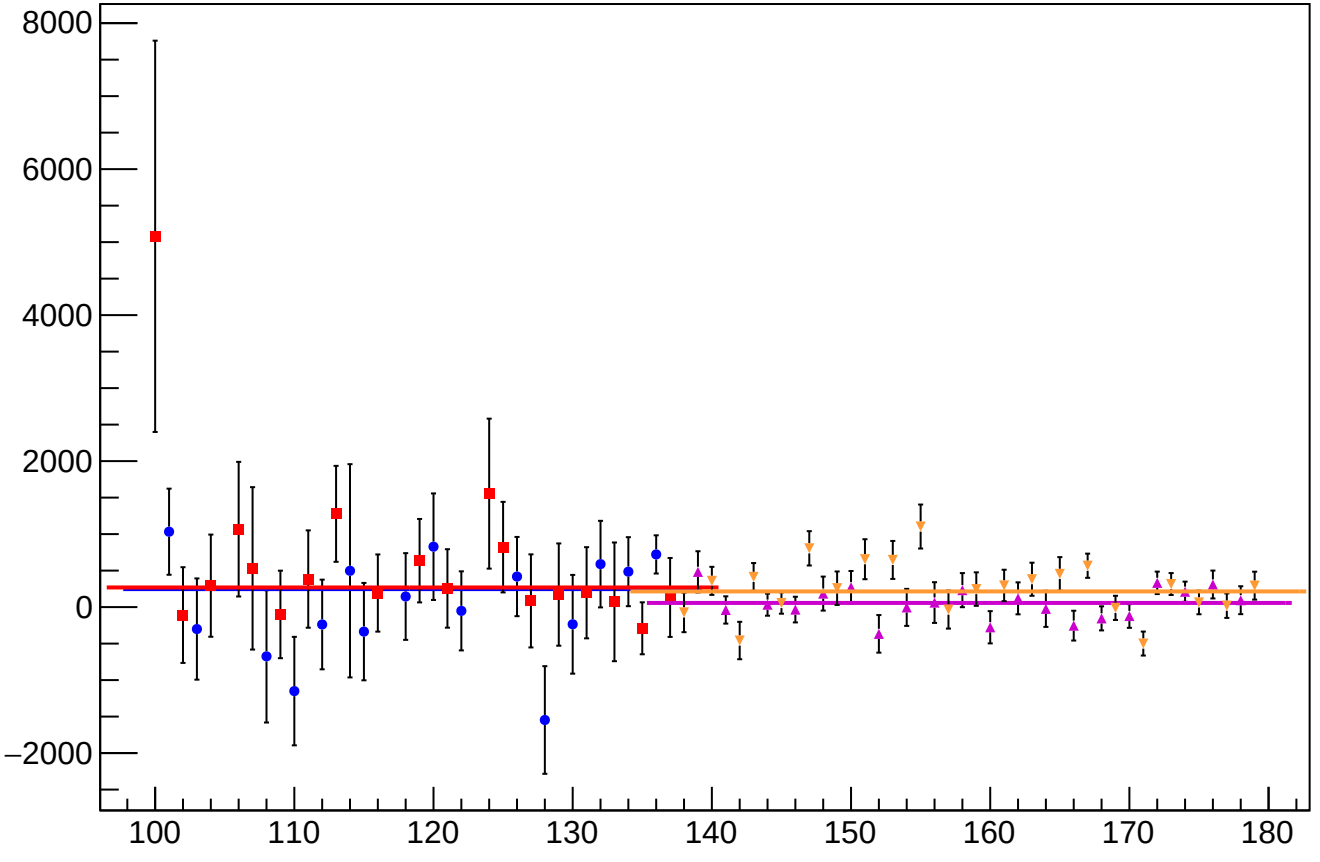
Left In: 26.296+/-0.005 χ^2/NDF:377330.6/19

+ sign 27.986+/-0.004 χ^2/NDF: 2173105.3/37

All: 28.045+/-0.003 χ^2/NDF: 4089888.1/76

- sign 28.108+/-0.004 χ^2/NDF: 1916351.4/38

asym_sam_1357_2468_dd_dit_correction_mean vs Slug



Right In: 246.507+/-140.275 χ^2/NDF: 19.8/15

Left Out: 214.729+/-42.412 χ^2/NDF:62.1/21

Right Out: 268.913+/-145.295 χ^2/NDF: 12.6/18

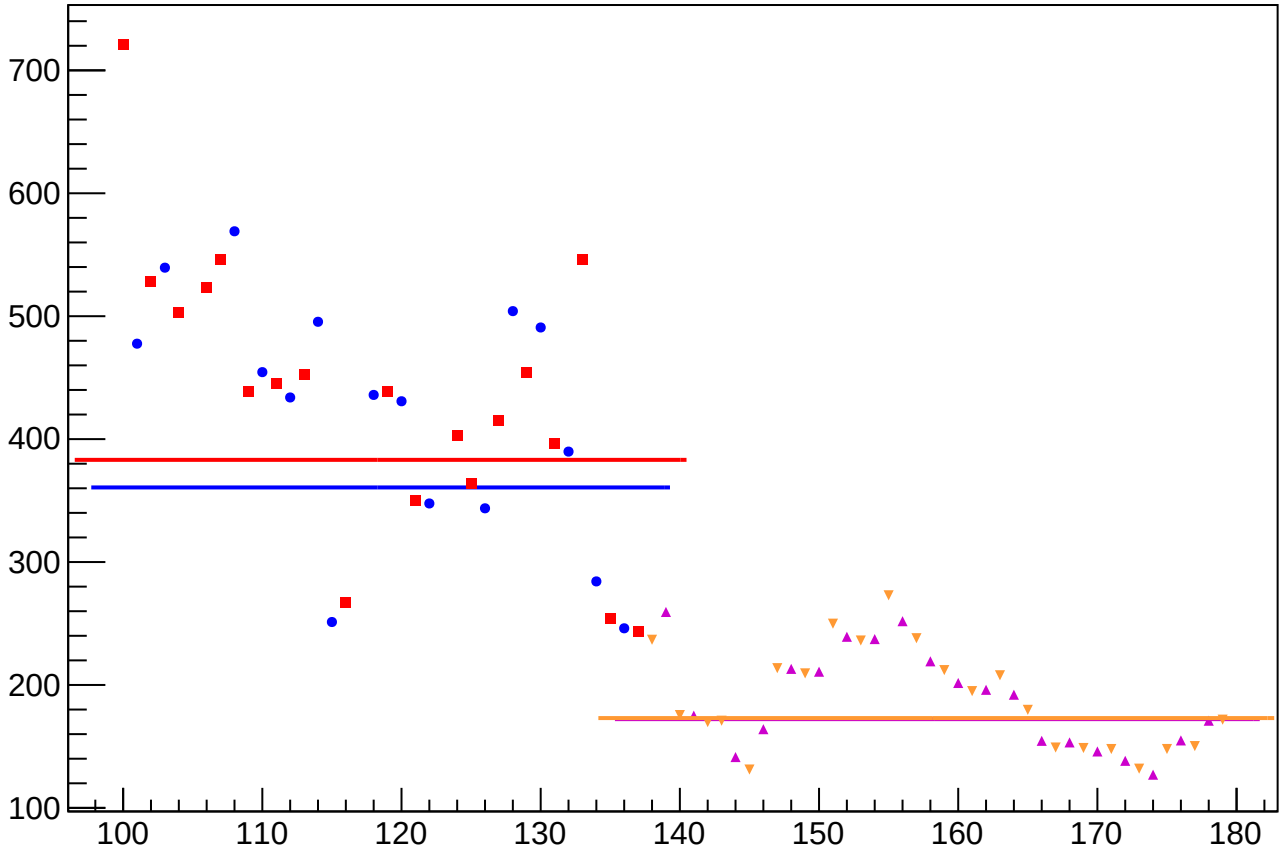
Left In: 57.068+/-43.699 χ^2/NDF:21.3/19

+ sign 217.391+/-40.597 χ^2/NDF: 81.9/37

All: 148.180+/-29.139 χ^2/NDF: 123.7/76

- sign 74.641+/-41.848 χ^2/NDF: 35.8/38

asym_sam_1357_2468_dd_dit_correction_rms vs Slug



Right In: 360.692+/-0.099 χ^2/NDF: 1092760.6/15

Left Out: 173.058+/-0.030 χ^2/NDF:1499843.3/21

Right Out: 383.132+/-0.103 χ^2/NDF: 963125.0/18

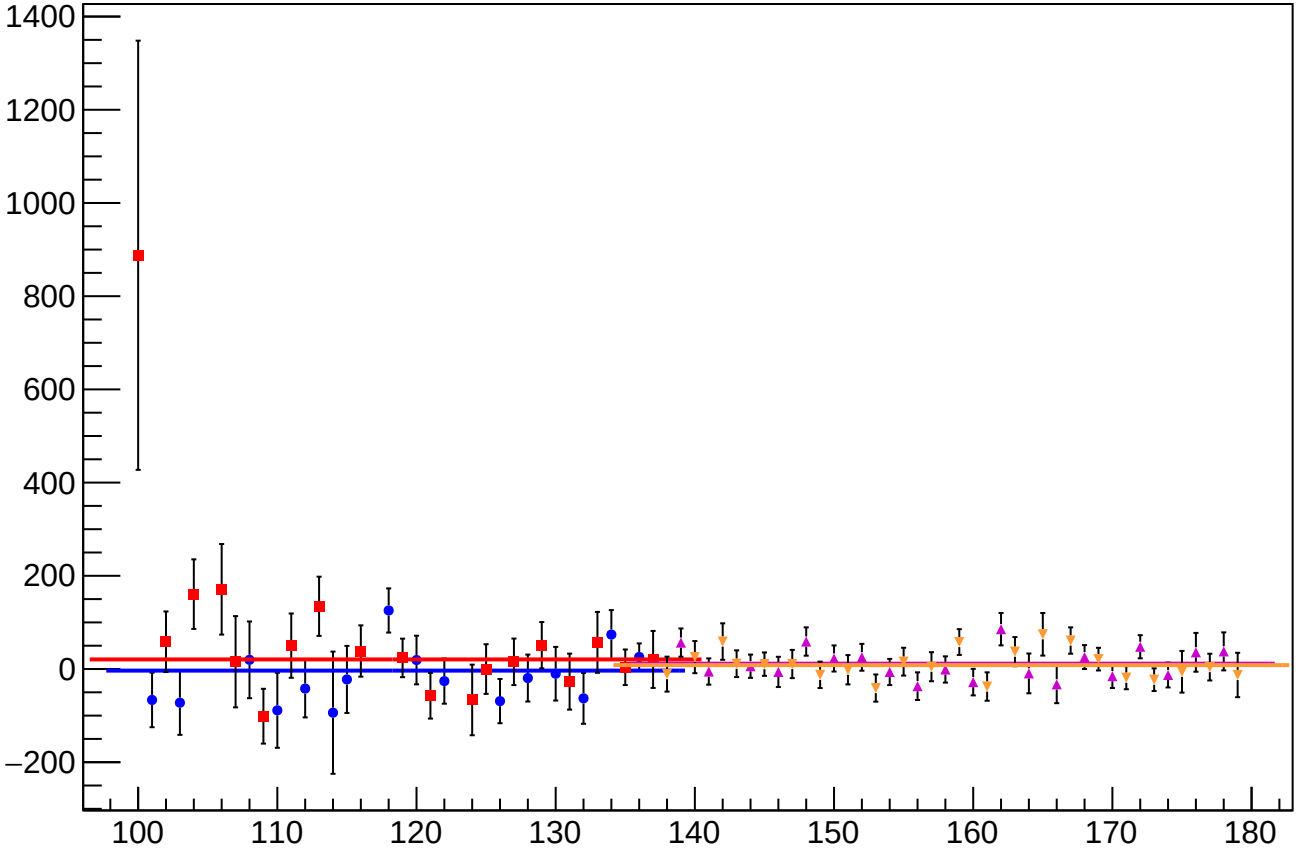
Left In: 172.201+/-0.031 χ^2/NDF:1406426.3/19

+ sign 188.774+/-0.029 χ^2/NDF: 5871320.0/37

All: 189.222+/-0.021 χ^2/NDF: 12106796.4/76

- sign 189.699+/-0.030 χ^2/NDF: 6234973.8/38

eigen_dit_asym_sam_1357_2468_dd_mean vs Slug



Right In: -3.425+/-13.392 χ^2/NDF: 18.5/15

Left Out: 8.353+/-6.458 χ^2/NDF:21.1/21

Right Out: 20.569+/-13.475 χ^2/NDF: 23.1/18

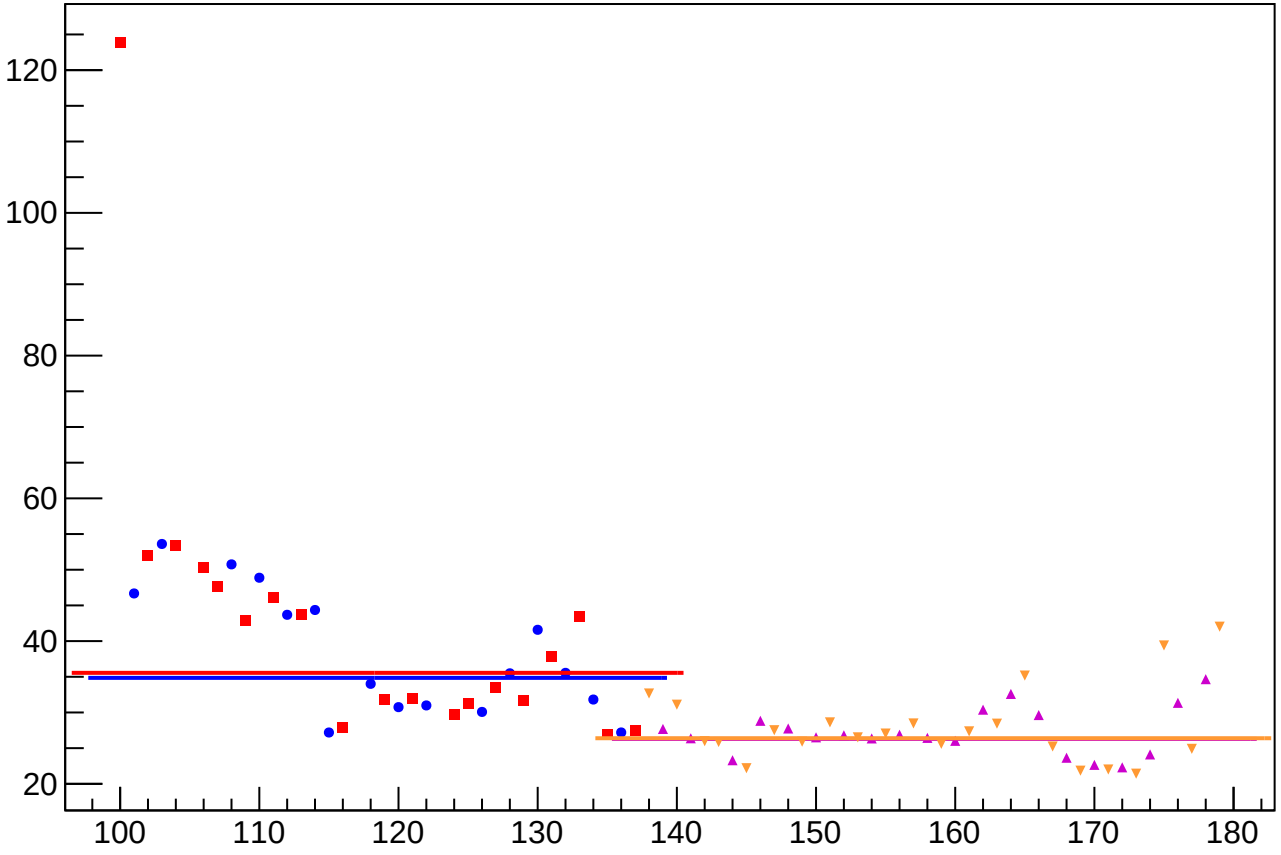
Left In: 11.470+/-6.648 χ^2/NDF:22.1/19

+ sign 6.131+/-5.817 χ^2/NDF: 40.2/37

All: 9.604+/-4.164 χ^2/NDF: 86.5/76

- sign 13.252+/-5.962 χ^2/NDF: 45.6/38

eigen_dit_asym_sam_1357_2468_dd_rms vs Slug



Right In: 34.850+/-0.009 χ^2/NDF: 658089.6/15

Left Out: 26.389+/-0.005 χ^2/NDF:867311.9/21

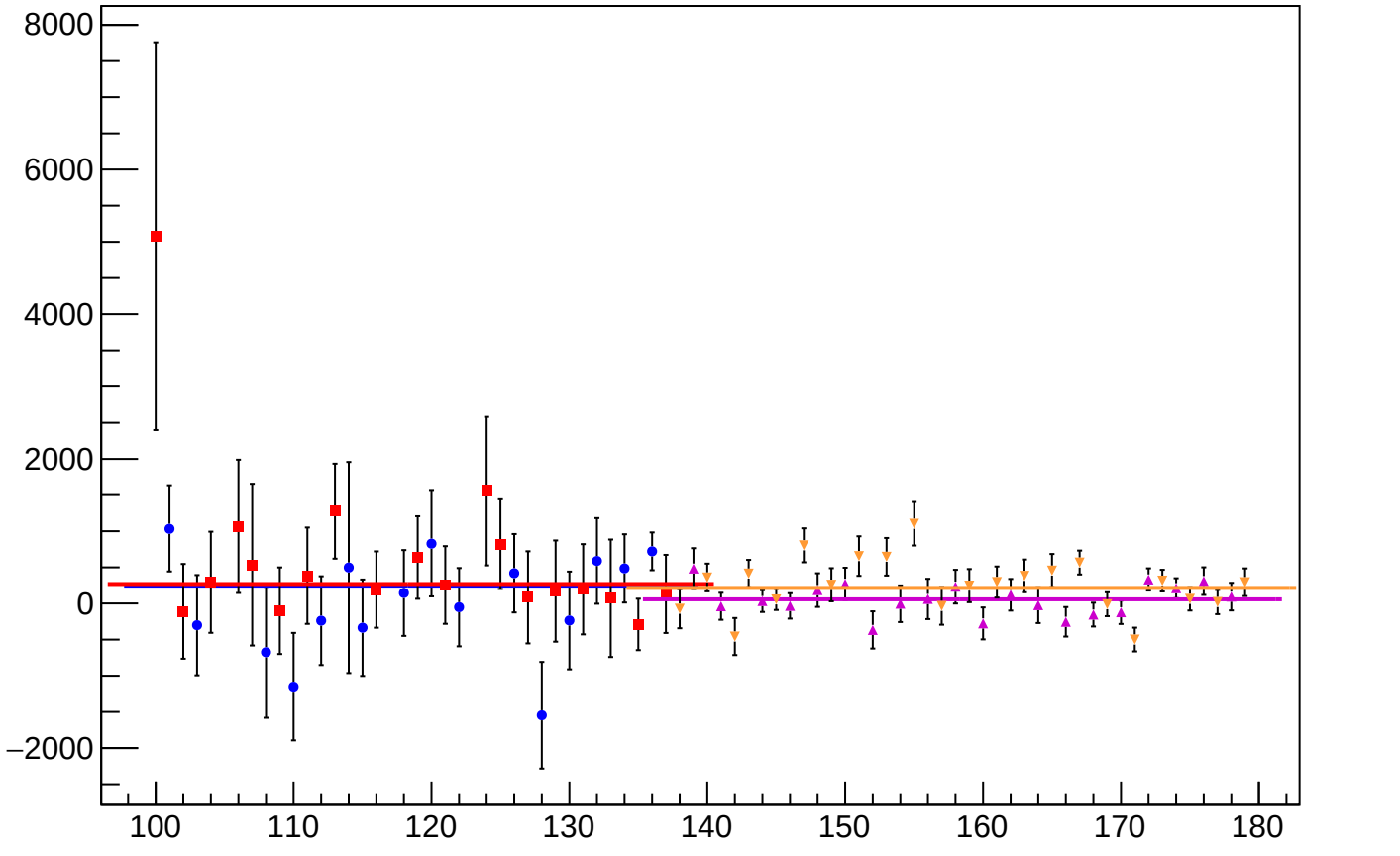
Right Out: 35.552+/-0.010 χ^2/NDF: 779849.4/18

Left In: 26.296+/-0.005 χ^2/NDF:377329.1/19

+ sign 27.986+/-0.004 χ^2/NDF: 2172993.3/37

All: 28.045+/-0.003 χ^2/NDF: 4089681.6/76

- sign 28.108+/-0.004 χ^2/NDF: 1916257.0/38



Right In: 246.505+/-140.274 χ^2/NDF: 19.8/15

Left Out: 214.728+/-42.412 χ^2/NDF:62.1/21

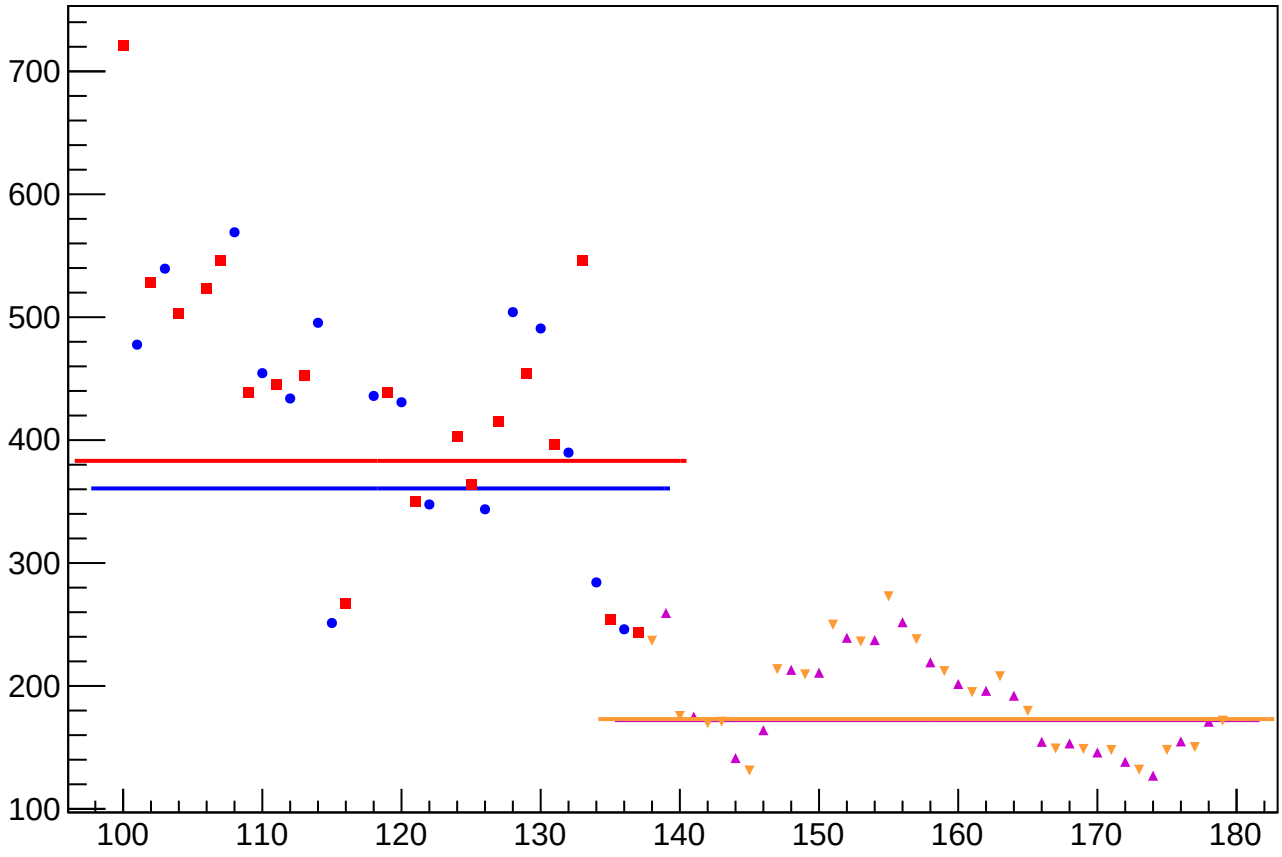
Right Out: 268.913+/-145.295 χ^2/NDF: 12.6/18

Left In: 57.068+/-43.699 χ^2/NDF:21.3/19

+ sign 217.390+/-40.597 χ^2/NDF: 81.9/37

All: 148.180+/-29.139 χ^2/NDF: 123.7/76

- sign 74.641+/-41.848 χ^2/NDF: 35.8/38



Right In: 360.691+/-0.099 χ^2/NDF: 1092752.5/15

Left Out: 173.058+/-0.030 χ^2/NDF:1499859.8/21

Right Out: 383.131+/-0.103 χ^2/NDF: 963120.8/18

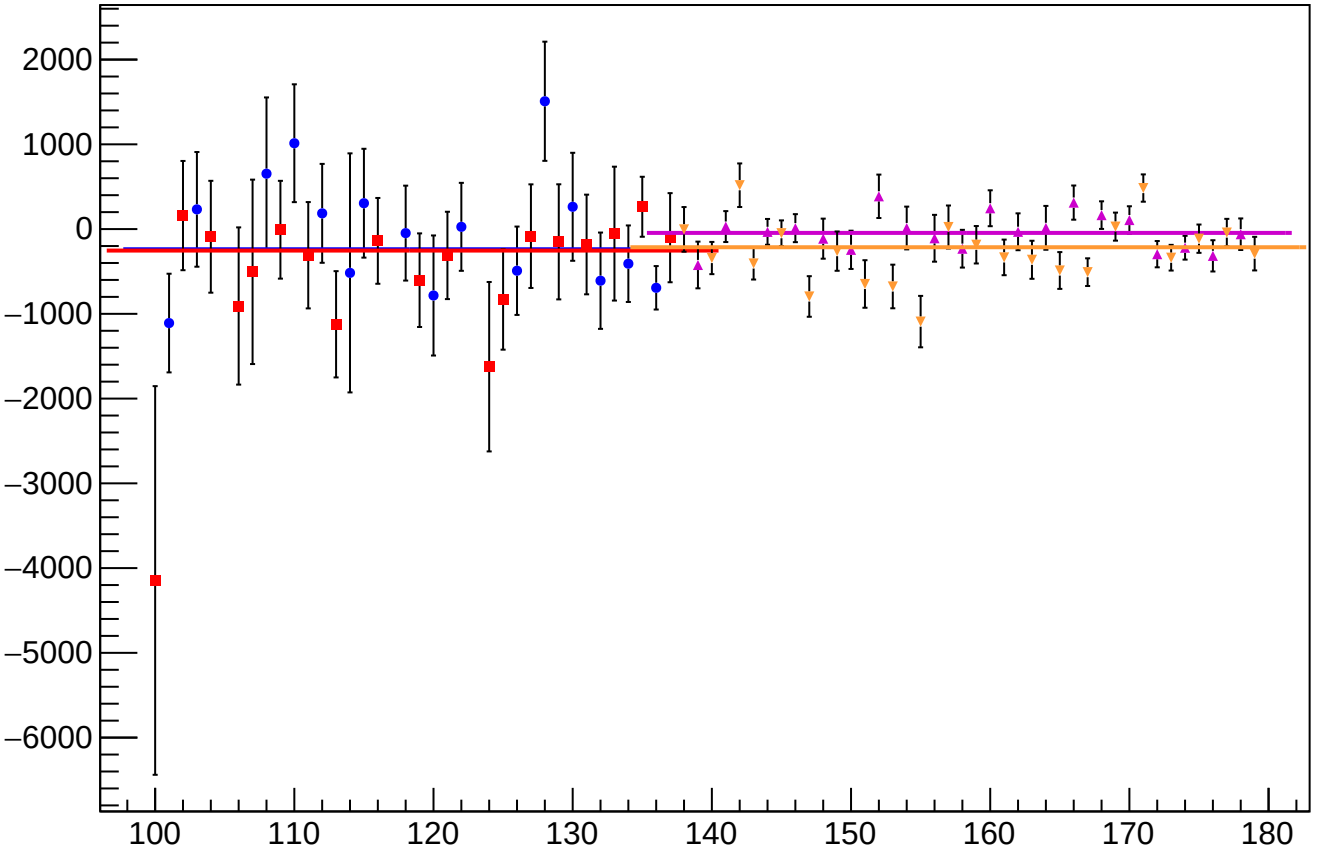
Left In: 172.200+/-0.031 χ^2/NDF:1406440.5/19

+ sign 188.774+/-0.029 χ^2/NDF: 5871335.3/37

All: 189.222+/-0.021 χ^2/NDF: 12106830.5/76

- sign 189.698+/-0.030 χ^2/NDF: 6234992.8/38

asym_sam_1357_2468_dd_mean vs Slug



Right In: -238.043+/-135.349 χ^2/NDF: 19.9/15

Left Out: -214.226+/-42.305 χ^2/NDF:61.1/21

Right Out: -253.445+/-140.414 χ^2/NDF: 11.7/18

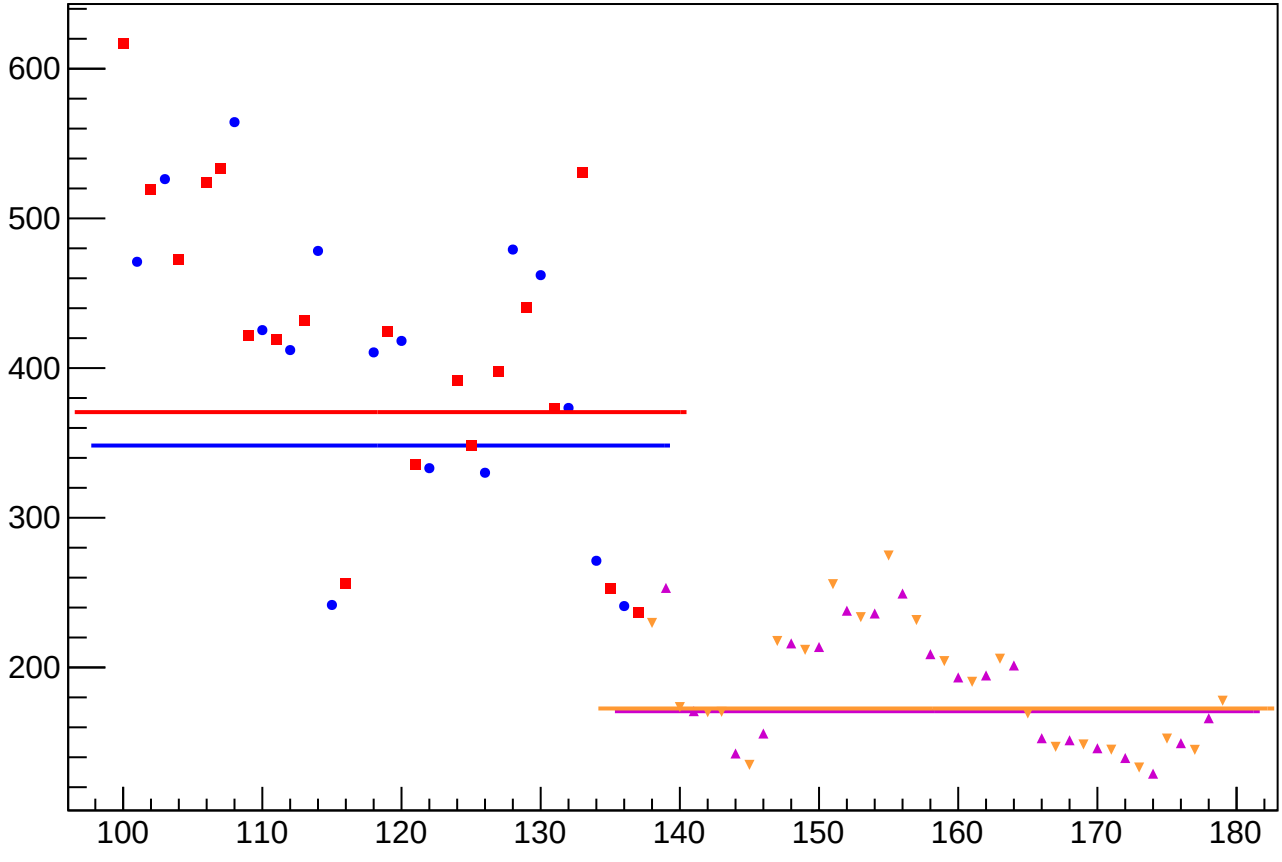
Left In: -45.074+/-43.288 χ^2/NDF:20.6/19

+ sign -216.346+/-40.378 χ^2/NDF: 81.0/37

All: -141.606+/-28.895 χ^2/NDF: 122.4/76

- sign -63.160+/-41.367 χ^2/NDF: 34.3/38

asym_sam_1357_2468_dd_rms vs Slug



Right In: 348.253+/-0.096 χ^2/NDF: 1056820.3/15

Left Out: 172.583+/-0.030 χ^2/NDF:1443257.8/21

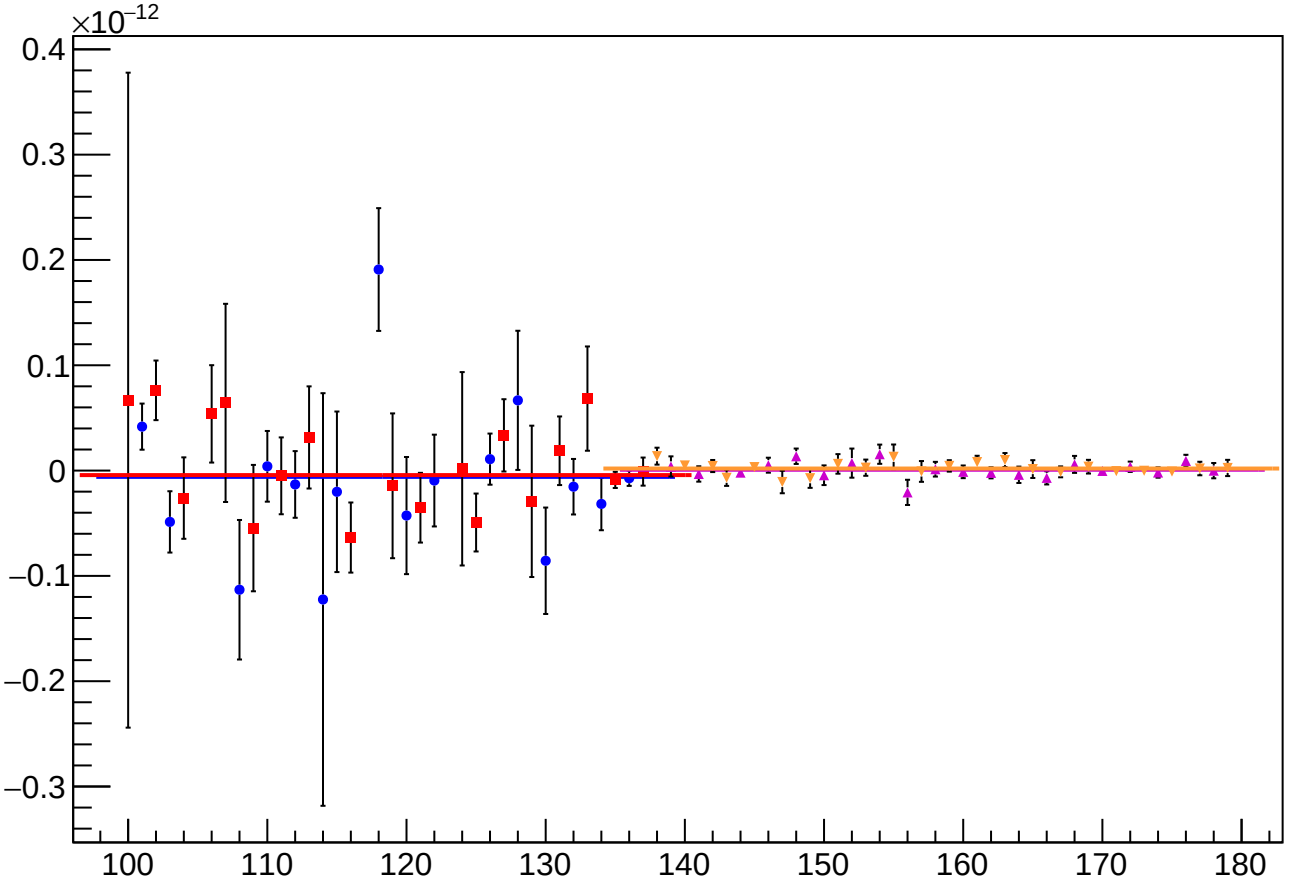
Right Out: 370.585+/-0.099 χ^2/NDF: 917913.5/18

Left In: 170.765+/-0.031 χ^2/NDF:1352748.2/19

+ sign 188.217+/-0.029 χ^2/NDF: 5569344.0/37

All: 188.164+/-0.020 χ^2/NDF: 11538779.1/76

- sign 188.108+/-0.029 χ^2/NDF: 5969428.0/38



Right In: -0.000+/-0.000 χ^2/NDF: 27.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.6/21

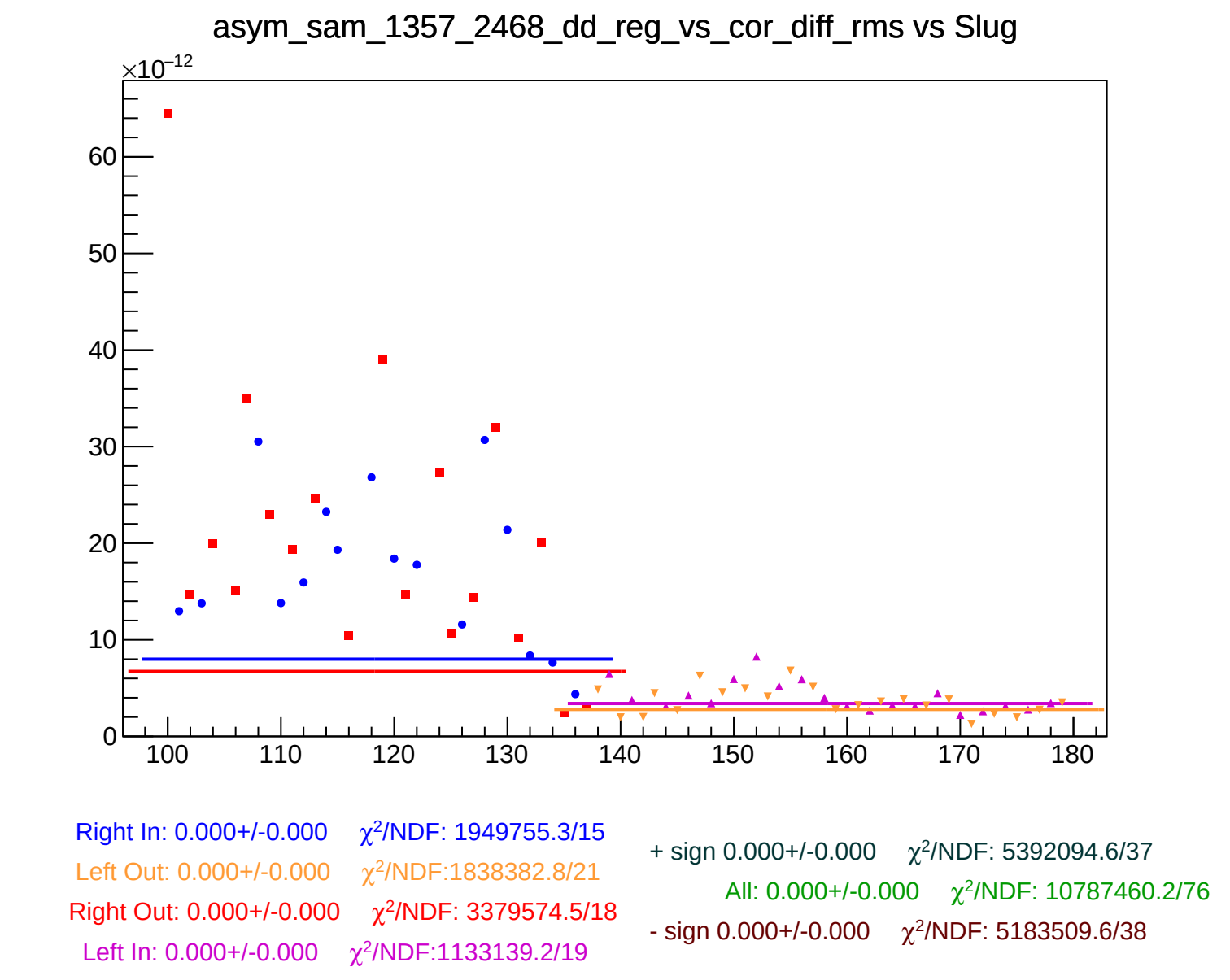
Right Out: -0.000+/-0.000 χ^2/NDF: 23.0/18

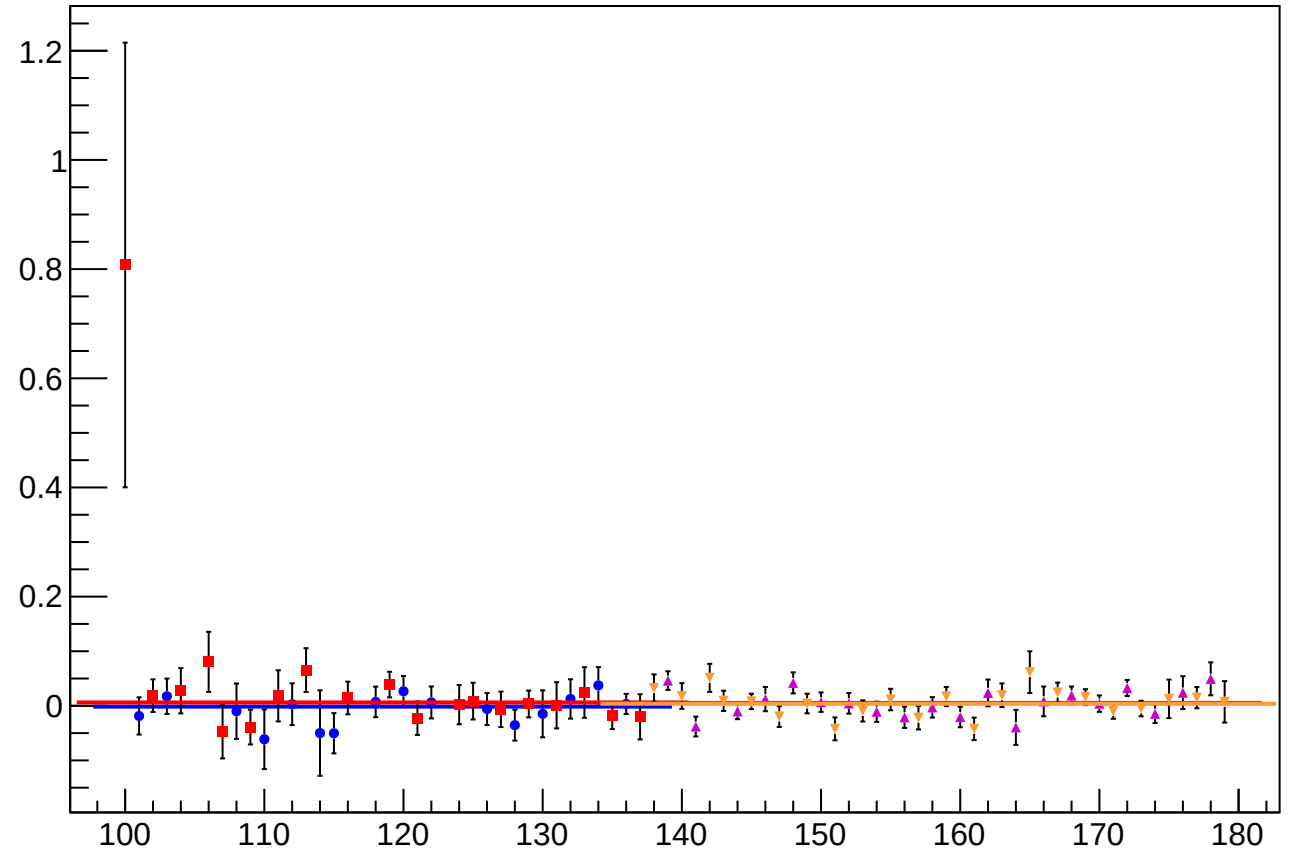
Left In: 0.000+/-0.000 χ^2/NDF:16.0/19

+ sign 0.000+/-0.000 χ^2/NDF: 41.8/37

All: 0.000+/-0.000 χ^2/NDF: 81.9/76

- sign 0.000+/-0.000 χ^2/NDF: 39.7/38


asym_sam_1357_2468_dd_reg_vs_cor_diff_rms vs Slug
×10^−12
60
50
40
30
20
10
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1949755.3/15
Left Out: 0.000+/-0.000 χ²/NDF:1838382.8/21
Right Out: 0.000+/-0.000 χ²/NDF: 3379574.5/18
Left In: 0.000+/-0.000 χ²/NDF:1133139.2/19
+ sign 0.000+/-0.000 χ²/NDF: 5392094.6/37
All: 0.000+/-0.000 χ²/NDF: 10787460.2/76
- sign 0.000+/-0.000 χ²/NDF: 5183509.6/38



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.004+/-0.004 χ^2/NDF:25.6/21

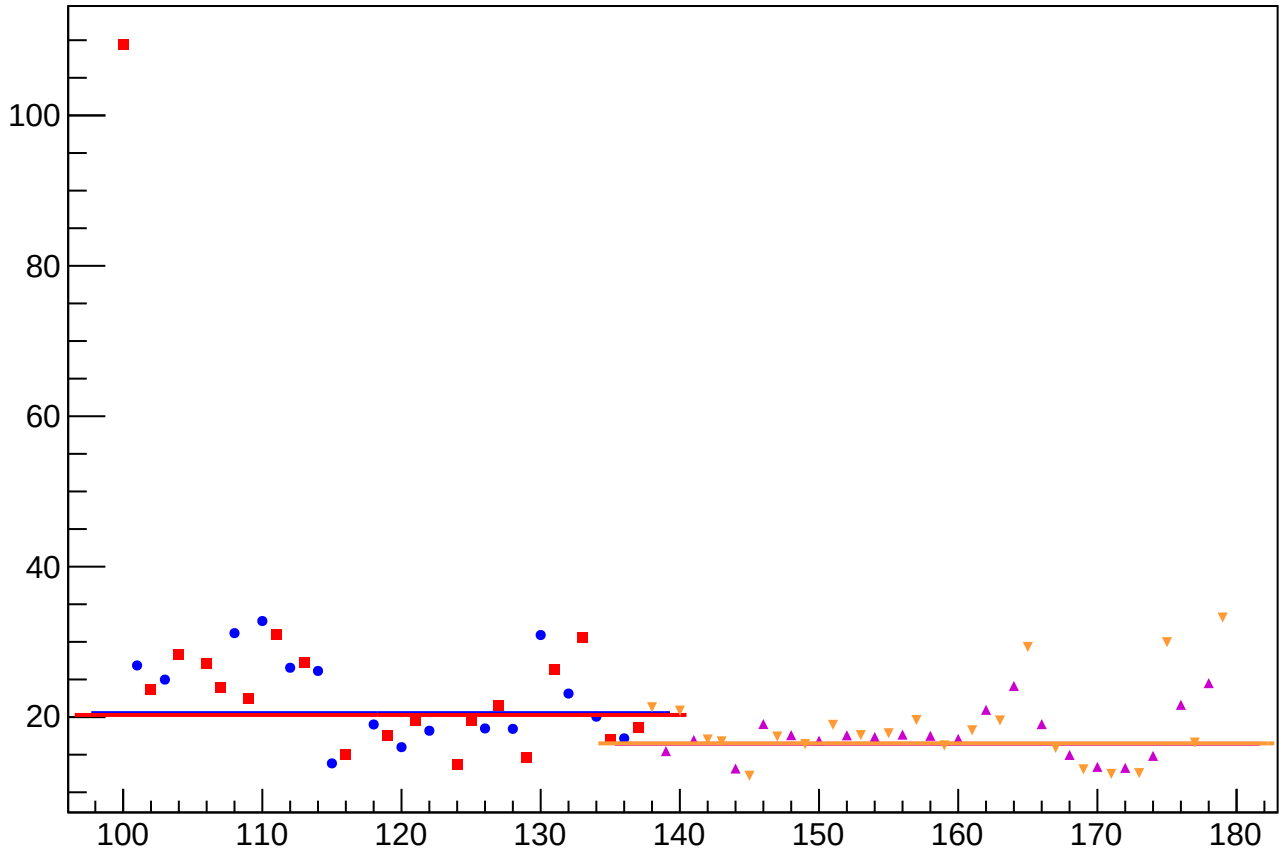
Right Out: 0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: 0.005+/-0.004 χ^2/NDF:31.4/19

+ sign 0.003+/-0.004 χ^2/NDF: 34.2/37

All: 0.004+/-0.003 χ^2/NDF: 82.2/76

- sign 0.005+/-0.004 χ^2/NDF: 47.7/38



Right In: 20.522+/-0.006 χ^2/NDF: 705998.4/15

Left Out: 16.502+/-0.003 χ^2/NDF:1806154.8/21

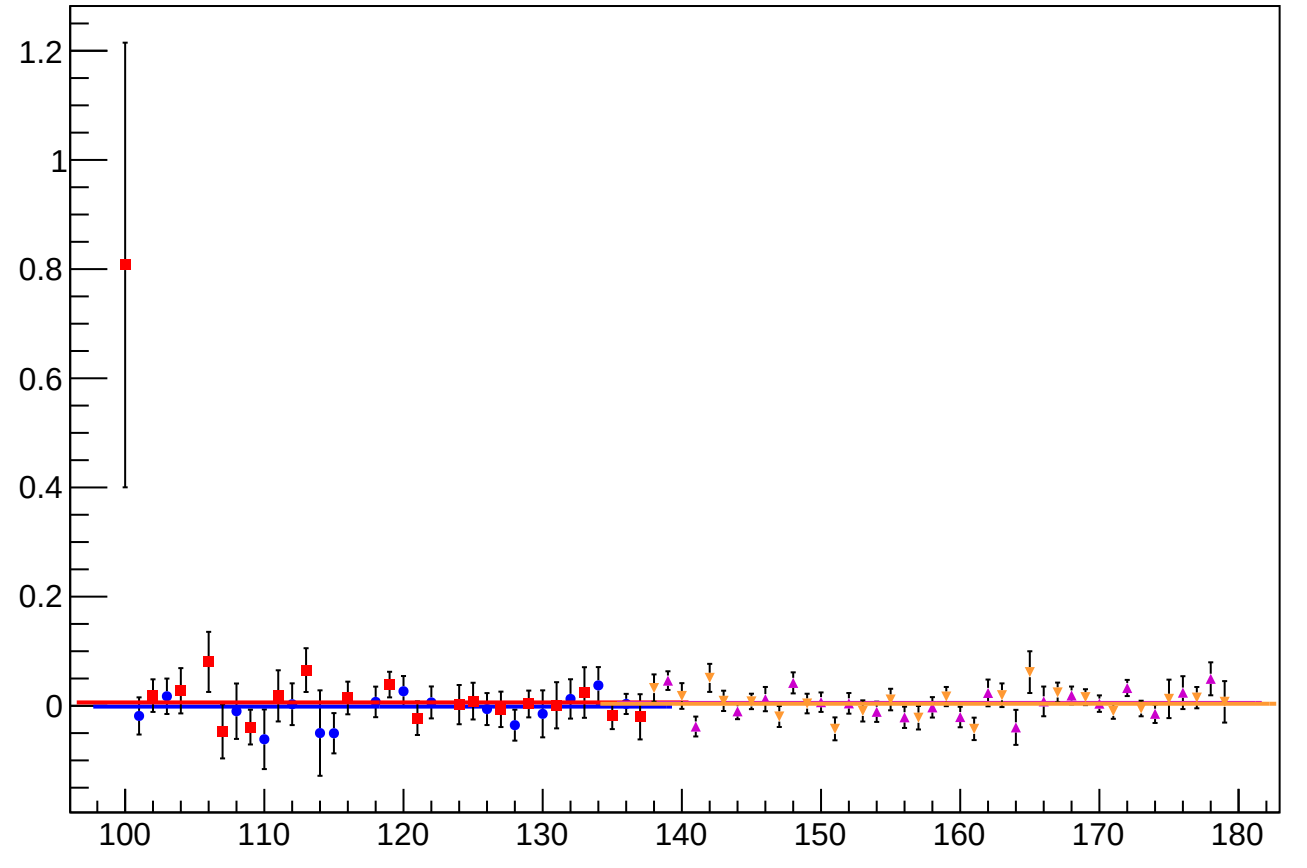
Right Out: 20.282+/-0.006 χ^2/NDF: 864352.6/18

Left In: 16.448+/-0.003 χ^2/NDF:790831.6/19

+ sign 17.340+/-0.003 χ^2/NDF: 2905788.3/37

All: 17.325+/-0.002 χ^2/NDF: 4927750.6/76

- sign 17.309+/-0.003 χ^2/NDF: 2021891.9/38



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.004+/-0.004 χ^2/NDF:25.6/21

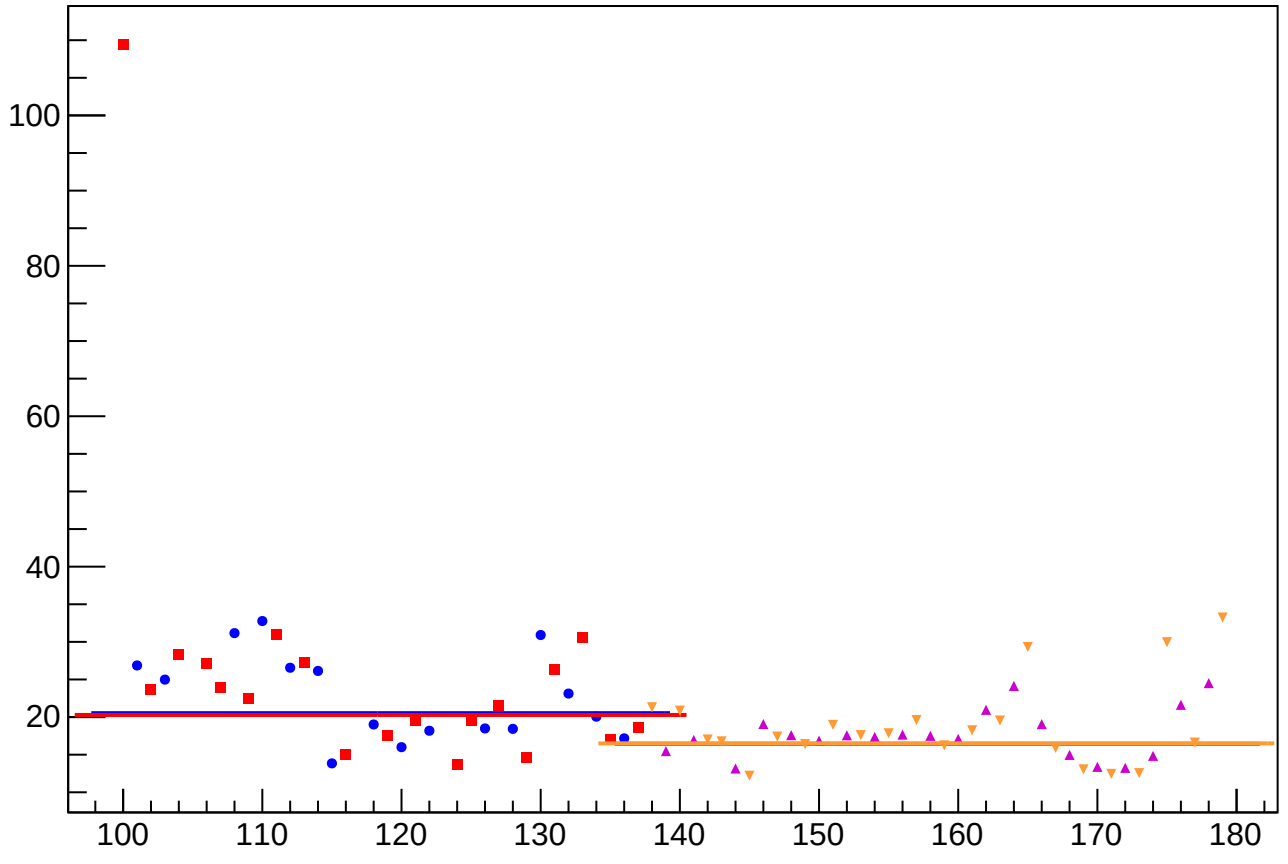
Right Out: 0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: 0.005+/-0.004 χ^2/NDF:31.4/19

+ sign 0.003+/-0.004 χ^2/NDF: 34.2/37

All: 0.004+/-0.003 χ^2/NDF: 82.2/76

- sign 0.005+/-0.004 χ^2/NDF: 47.7/38



Right In: 20.522+/-0.006 χ^2/NDF: 705998.4/15

Left Out: 16.502+/-0.003 χ^2/NDF:1806154.8/21

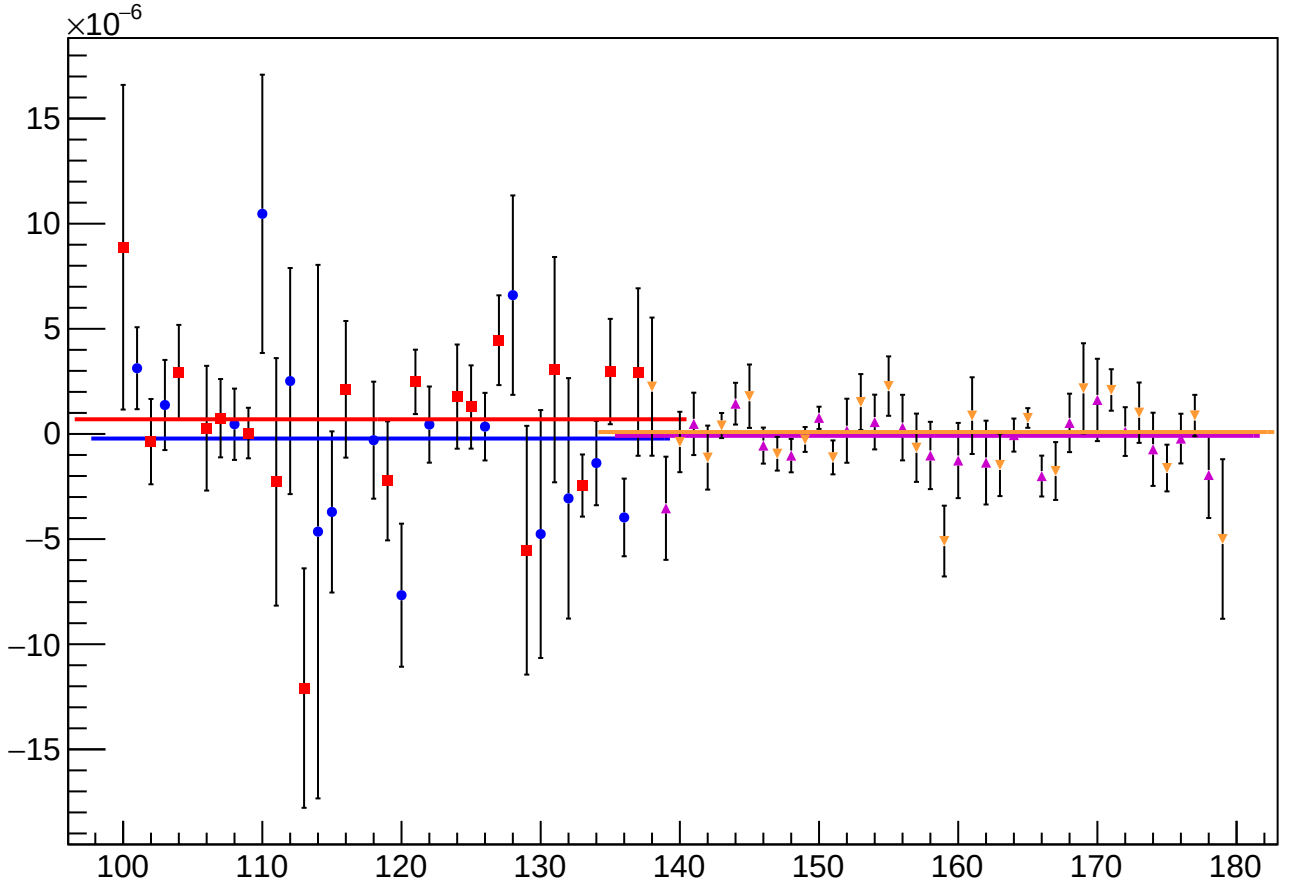
Right Out: 20.282+/-0.006 χ^2/NDF: 864352.6/18

Left In: 16.448+/-0.003 χ^2/NDF:790831.6/19

+ sign 17.340+/-0.003 χ^2/NDF: 2905788.3/37

All: 17.325+/-0.002 χ^2/NDF: 4927750.6/76

- sign 17.309+/-0.003 χ^2/NDF: 2021891.9/38



Right In: -0.000+/-0.000 χ^2/NDF: 19.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:35.7/21

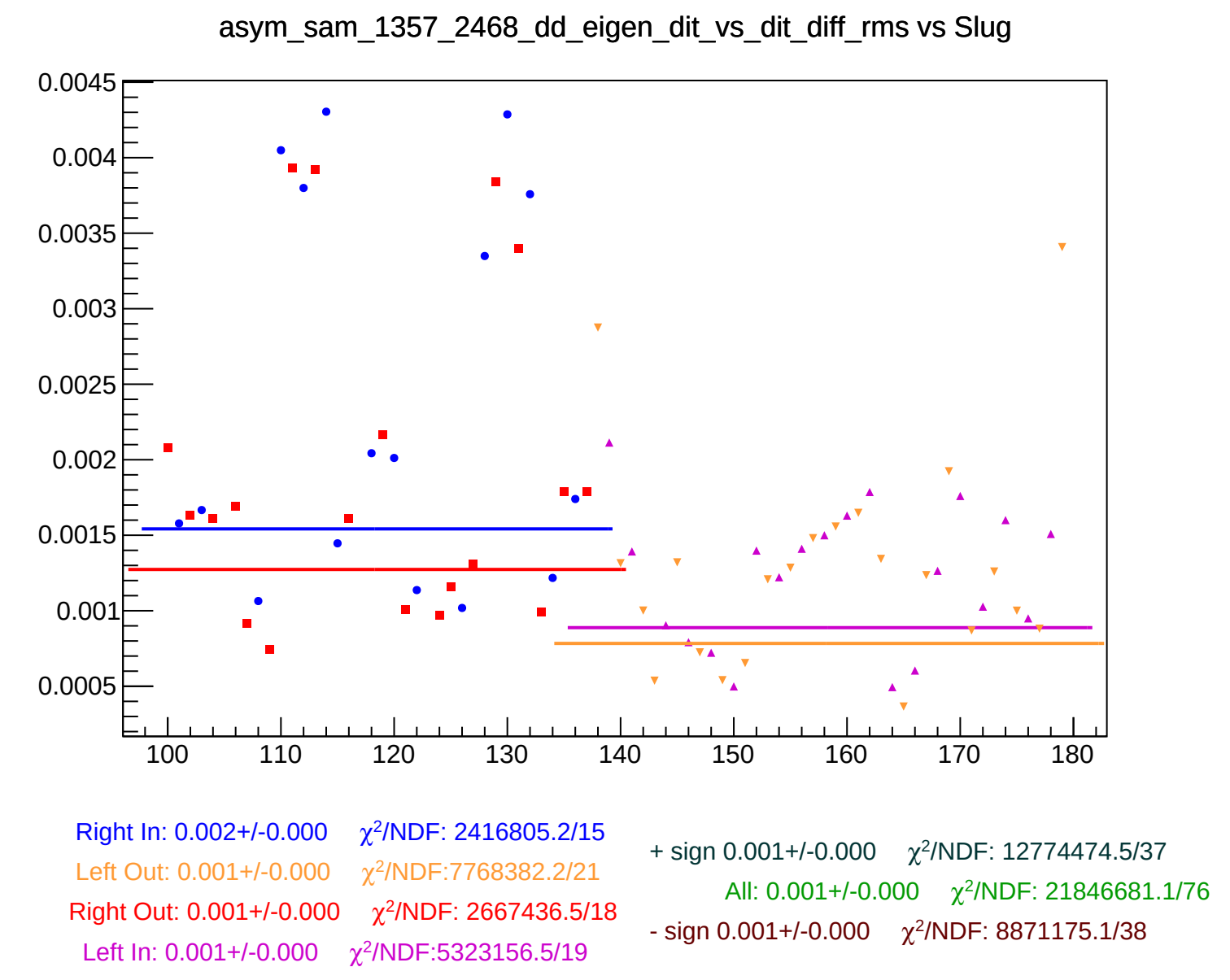
Right Out: 0.000+/-0.000 χ^2/NDF: 21.0/18

Left In: -0.000+/-0.000 χ^2/NDF:16.2/19

+ sign 0.000+/-0.000 χ^2/NDF: 55.8/37

All: 0.000+/-0.000 χ^2/NDF: 94.8/76

- sign 0.000+/-0.000 χ^2/NDF: 39.0/38


asym_sam_1357_2468_dd_eigen_dit_vs_dit_diff_rms vs Slug
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0.004
0.0035
0.003
0.0025
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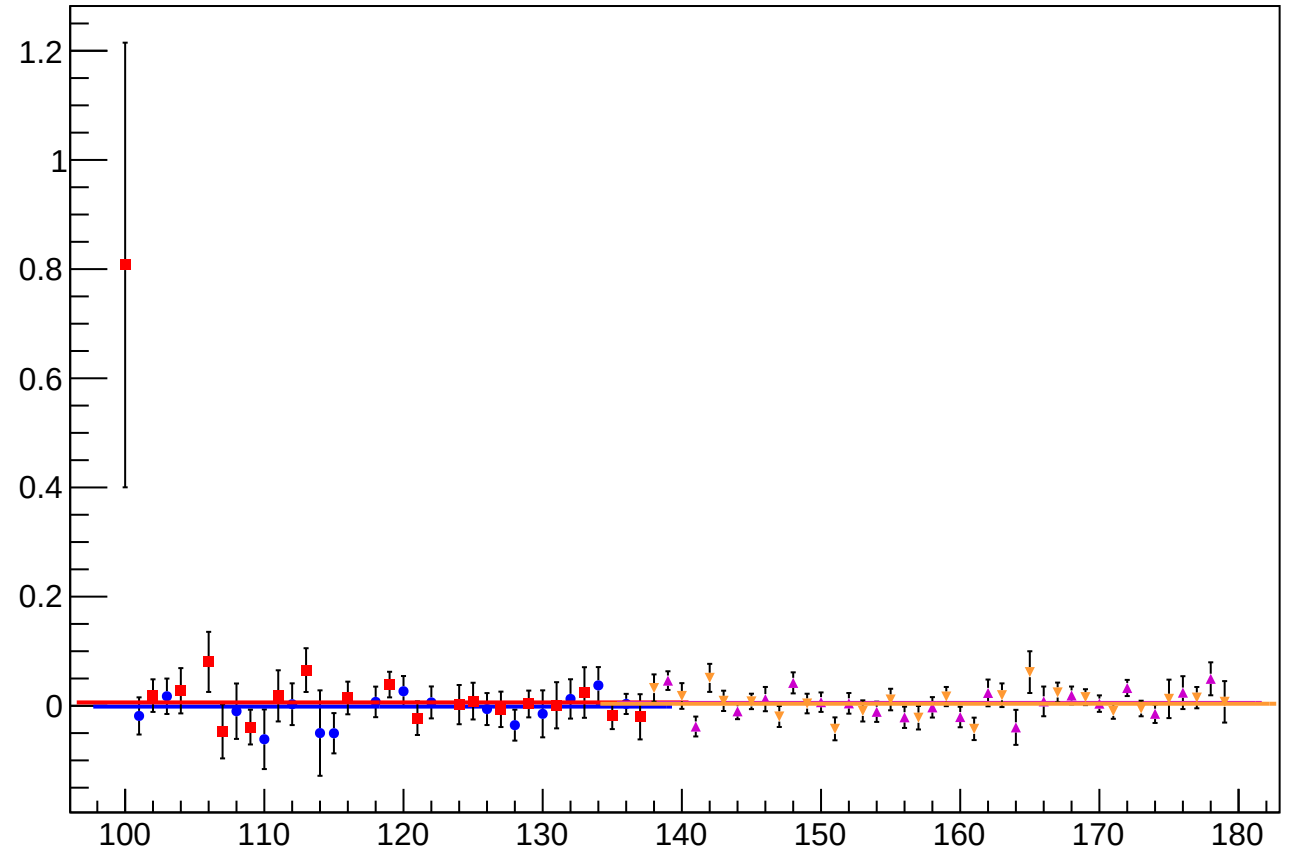
170
180
Right In: 0.002+/-0.000 χ²/NDF: 2416805.2/15
Left Out: 0.001+/-0.000 χ²/NDF:7768382.2/21
Right Out: 0.001+/-0.000 χ²/NDF: 2667436.5/18
Left In: 0.001+/-0.000 χ²/NDF:5323156.5/19
+ sign 0.001+/-0.000 χ²/NDF: 12774474.5/37
All: 0.001+/-0.000 χ²/NDF: 21846681.1/76
- sign 0.001+/-0.000 χ²/NDF: 8871175.1/38



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.004+/-0.004 χ^2/NDF:25.6/21

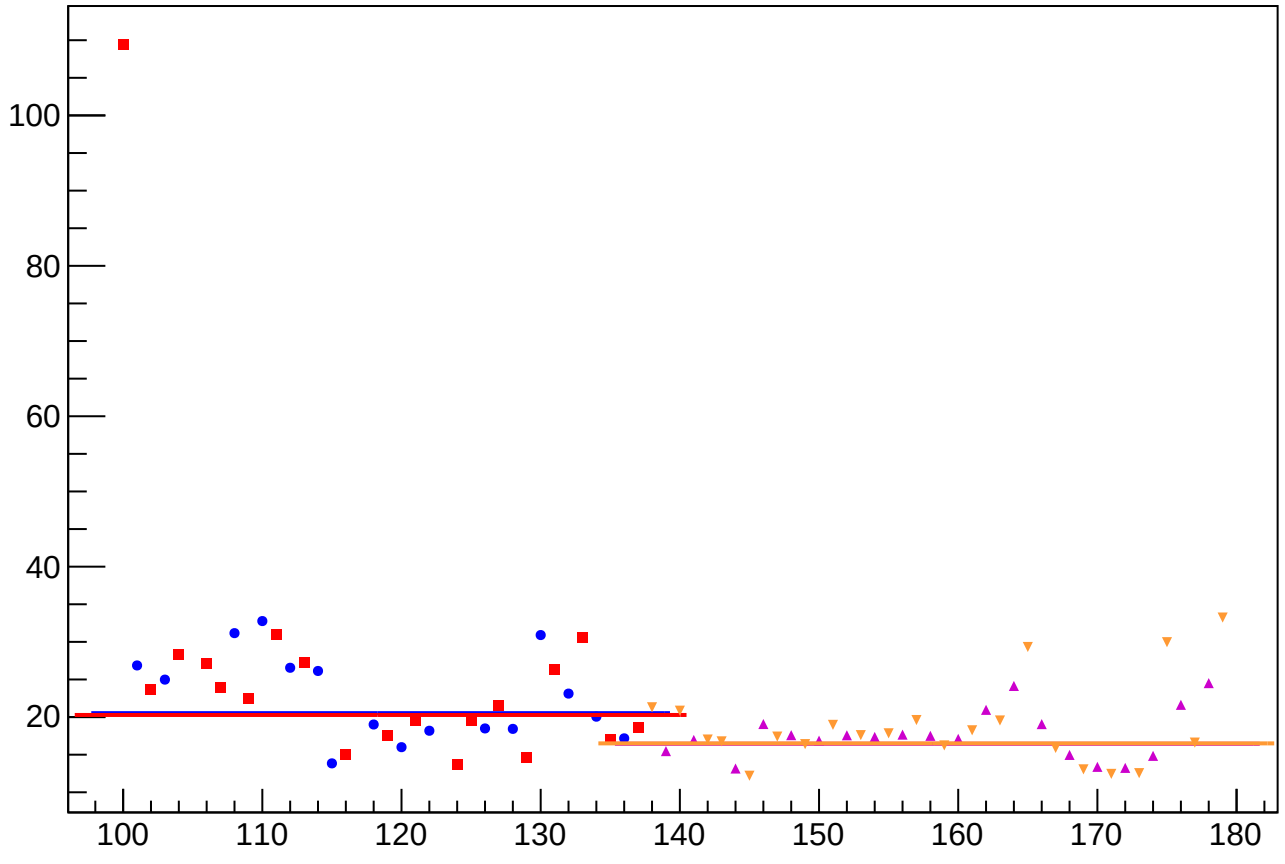
Right Out: 0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: 0.005+/-0.004 χ^2/NDF:31.4/19

+ sign 0.003+/-0.004 χ^2/NDF: 34.2/37

All: 0.004+/-0.003 χ^2/NDF: 82.2/76

- sign 0.005+/-0.004 χ^2/NDF: 47.7/38



Right In: 20.521+/-0.006 χ^2/NDF: 705877.0/15

Left Out: 16.503+/-0.003 χ^2/NDF:1806150.4/21

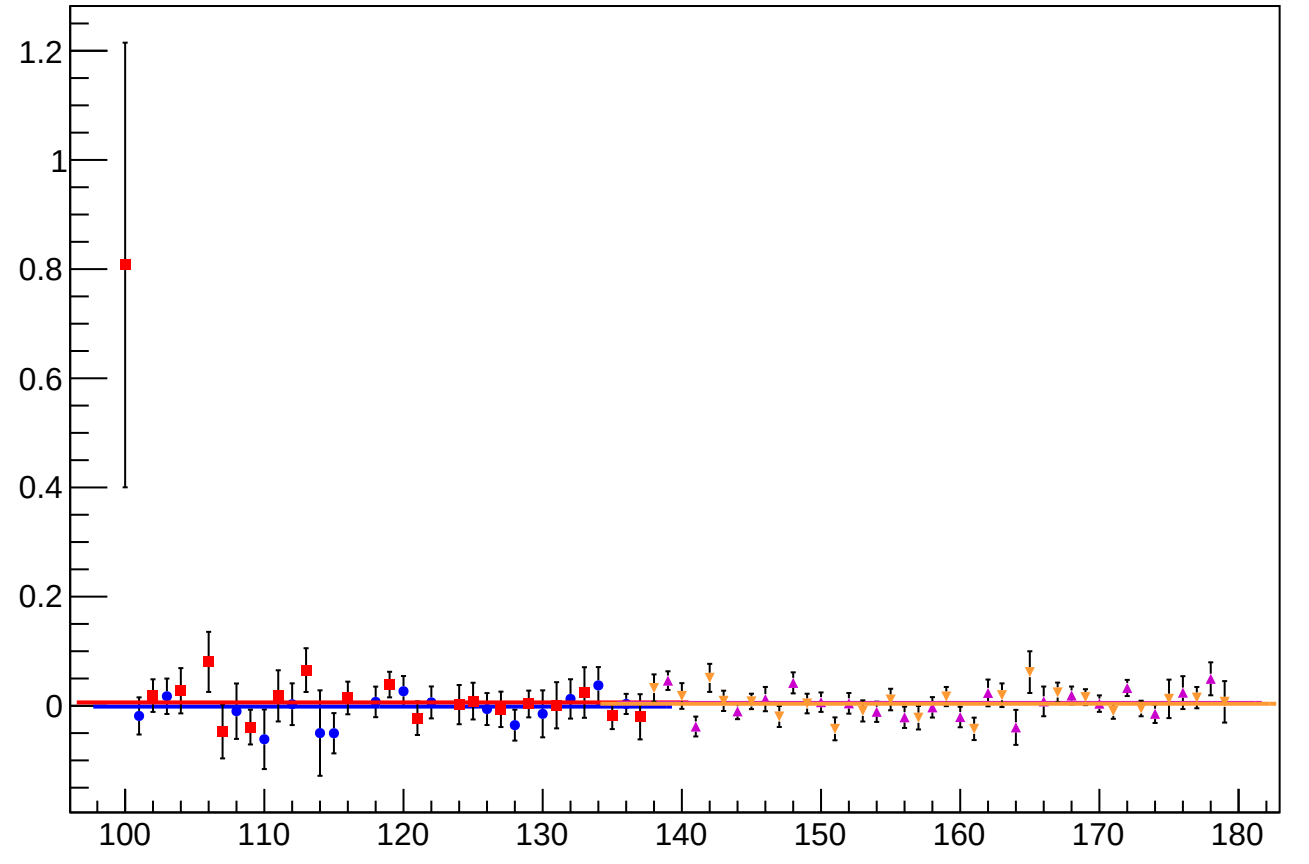
Right Out: 20.281+/-0.006 χ^2/NDF: 864361.2/18

Left In: 16.448+/-0.003 χ^2/NDF:790850.6/19

\+ sign 17.340+/-0.003 χ^2/NDF: 2905530.6/37

All: 17.325+/-0.002 χ^2/NDF: 4927379.2/76

\- sign 17.309+/-0.003 χ^2/NDF: 2021777.8/38



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.004+/-0.004 χ^2/NDF:25.6/21

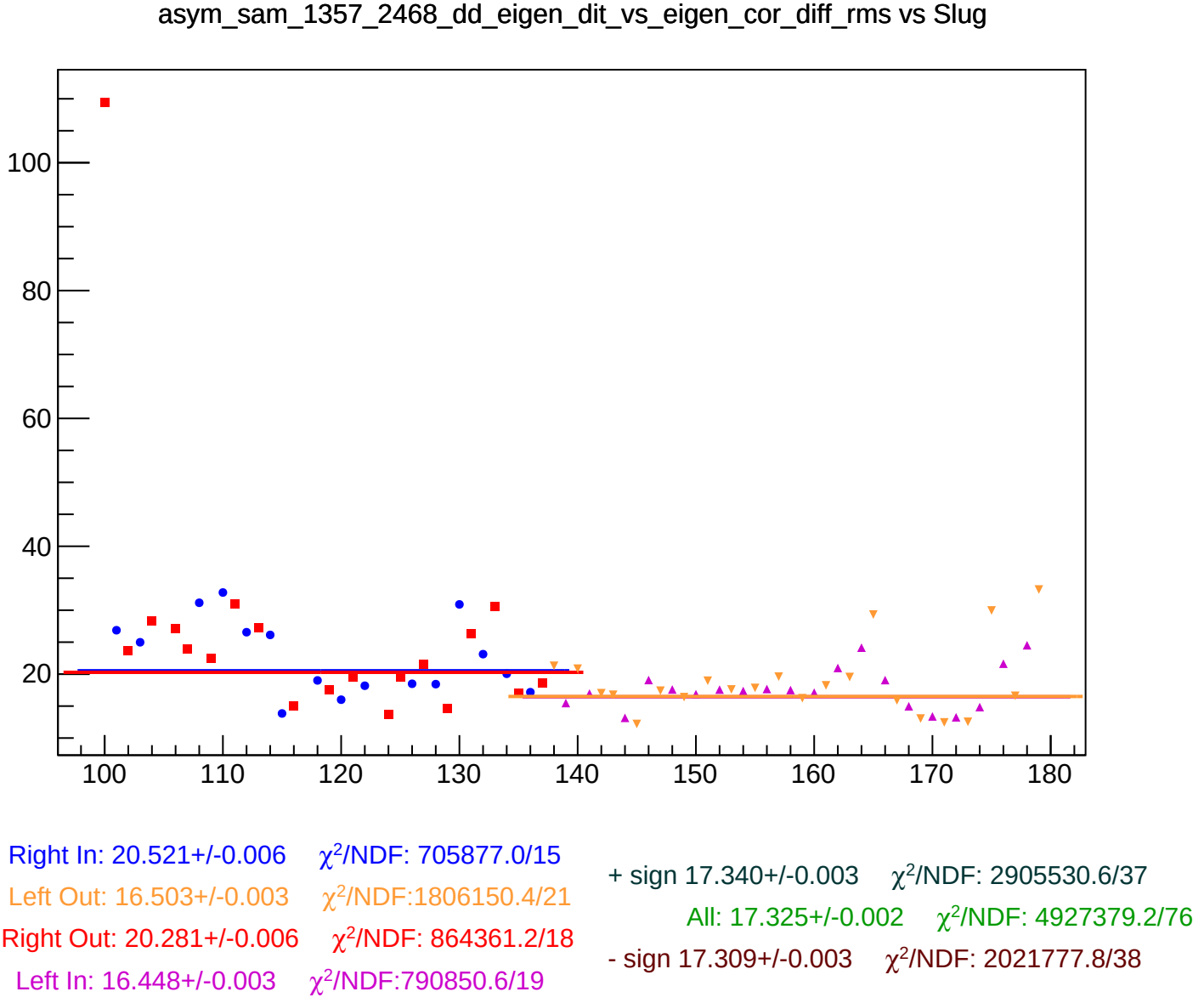
Right Out: 0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: 0.005+/-0.004 χ^2/NDF:31.4/19

+ sign 0.003+/-0.004 χ^2/NDF: 34.2/37

All: 0.004+/-0.003 χ^2/NDF: 82.2/76

- sign 0.005+/-0.004 χ^2/NDF: 47.7/38


asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
100
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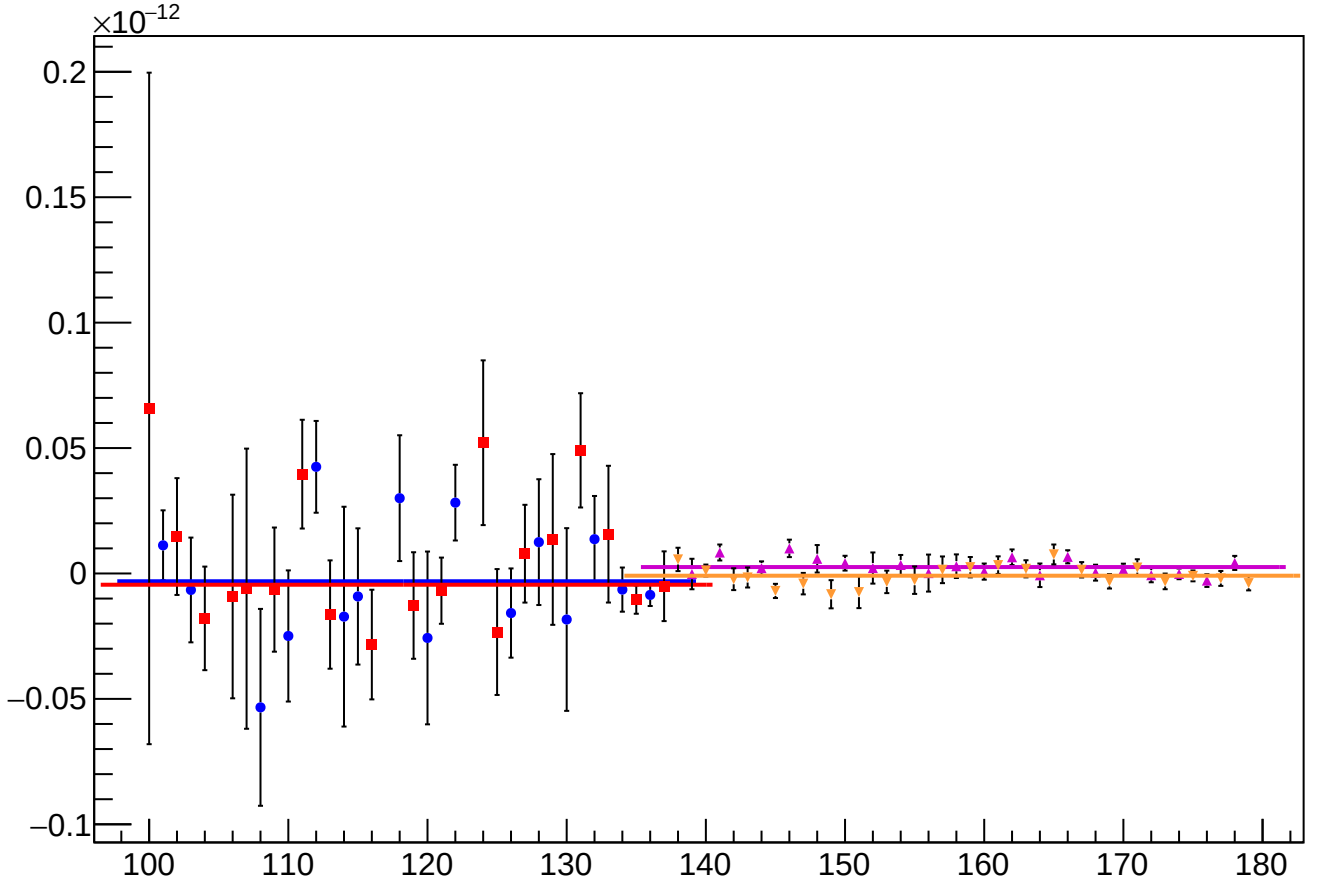
140
150
160
170
180
Right In: 20.521+/-0.006 χ²/NDF: 705877.0/15
Left Out: 16.503+/-0.003 χ²/NDF:1806150.4/21
Right Out: 20.281+/-0.006 χ²/NDF: 864361.2/18
Left In: 16.448+/-0.003 χ²/NDF:790850.6/19
+ sign 17.340+/-0.003 χ²/NDF: 2905530.6/37
All: 17.325+/-0.002 χ²/NDF: 4927379.2/76
- sign 17.309+/-0.003 χ²/NDF: 2021777.8/38



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:22.7/21

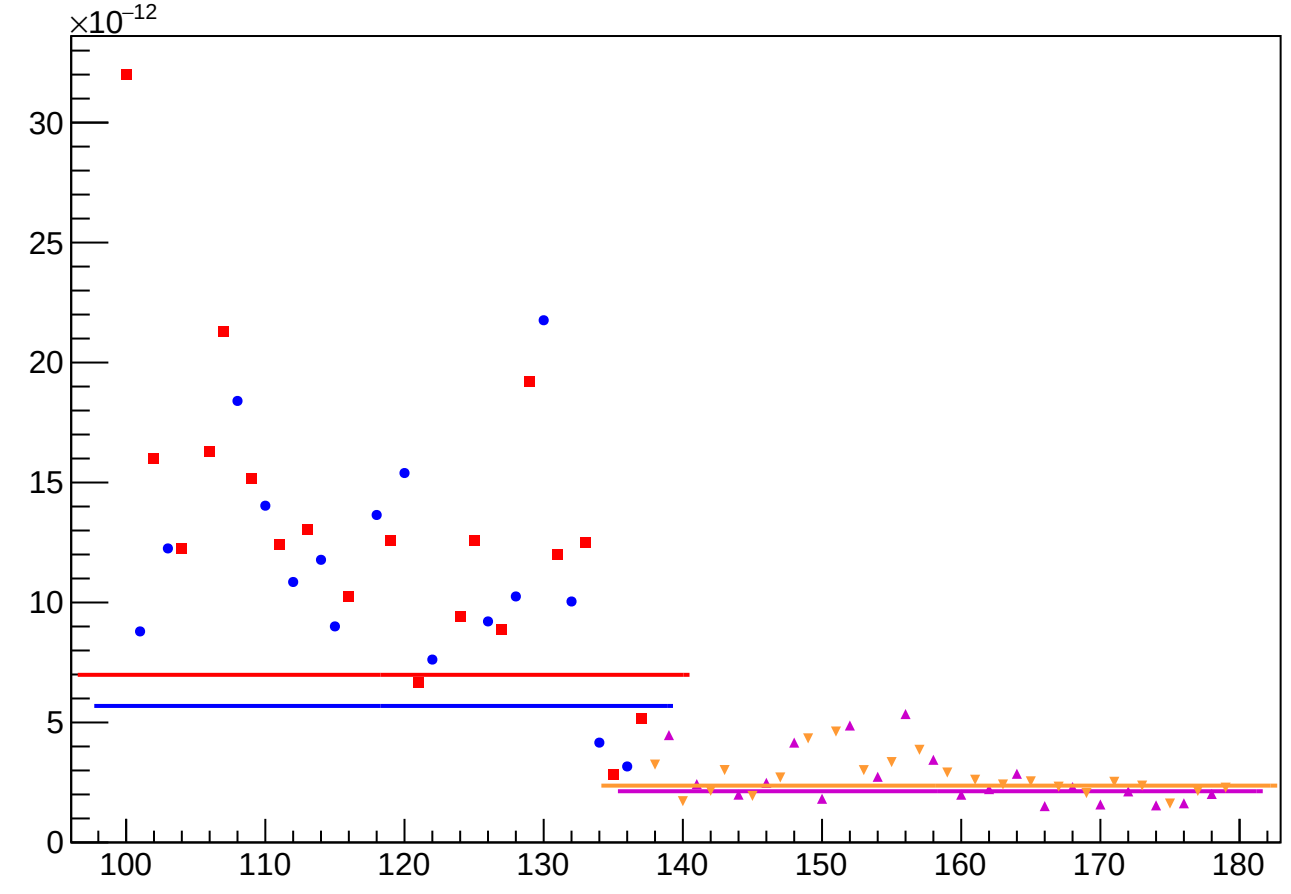
Right Out: -0.000+/-0.000 χ^2/NDF: 18.6/18

Left In: 0.000+/-0.000 χ^2/NDF:22.2/19

+ sign -0.000+/-0.000 χ^2/NDF: 43.1/37

All: 0.000+/-0.000 χ^2/NDF: 98.0/76

- sign 0.000+/-0.000 χ^2/NDF: 44.1/38



Right In: 0.000+/-0.000 χ^2/NDF: 2705902.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1425642.4/21

Right Out: 0.000+/-0.000 χ^2/NDF: 3108073.7/18

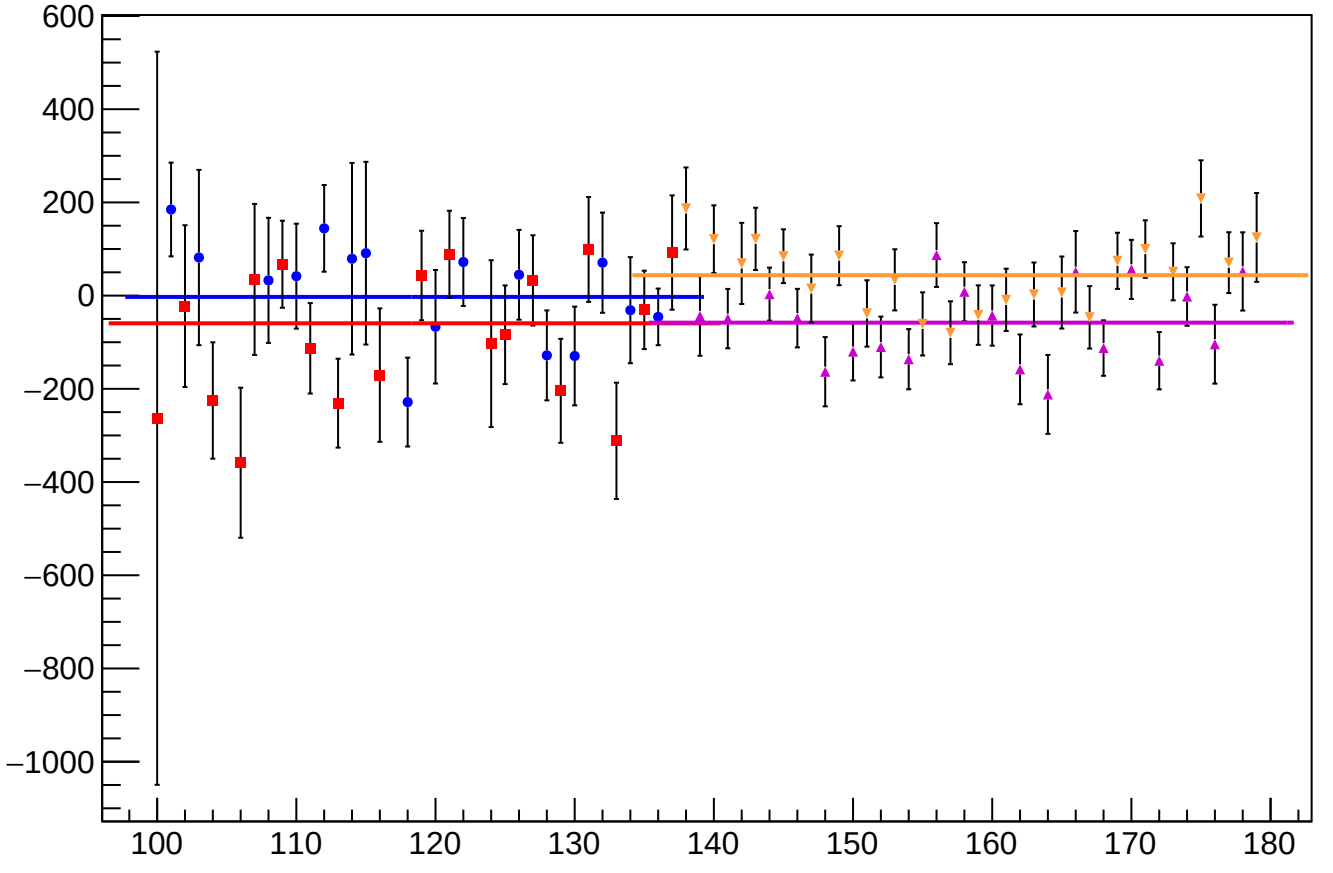
Left In: 0.000+/-0.000 χ^2/NDF:2115475.4/19

+ sign 0.000+/-0.000 χ^2/NDF: 6110819.6/37

All: 0.000+/-0.000 χ^2/NDF: 14486898.7/76

- sign 0.000+/-0.000 χ^2/NDF: 8269514.6/38

reg_asym_sam_12345678_avg_mean vs Slug



Right In: -2.766+/-26.213 χ^2/NDF: 17.7/15

Left Out: 43.815+/-14.660 χ^2/NDF:24.3/21

Right Out: -59.349+/-26.382 χ^2/NDF: 25.7/18

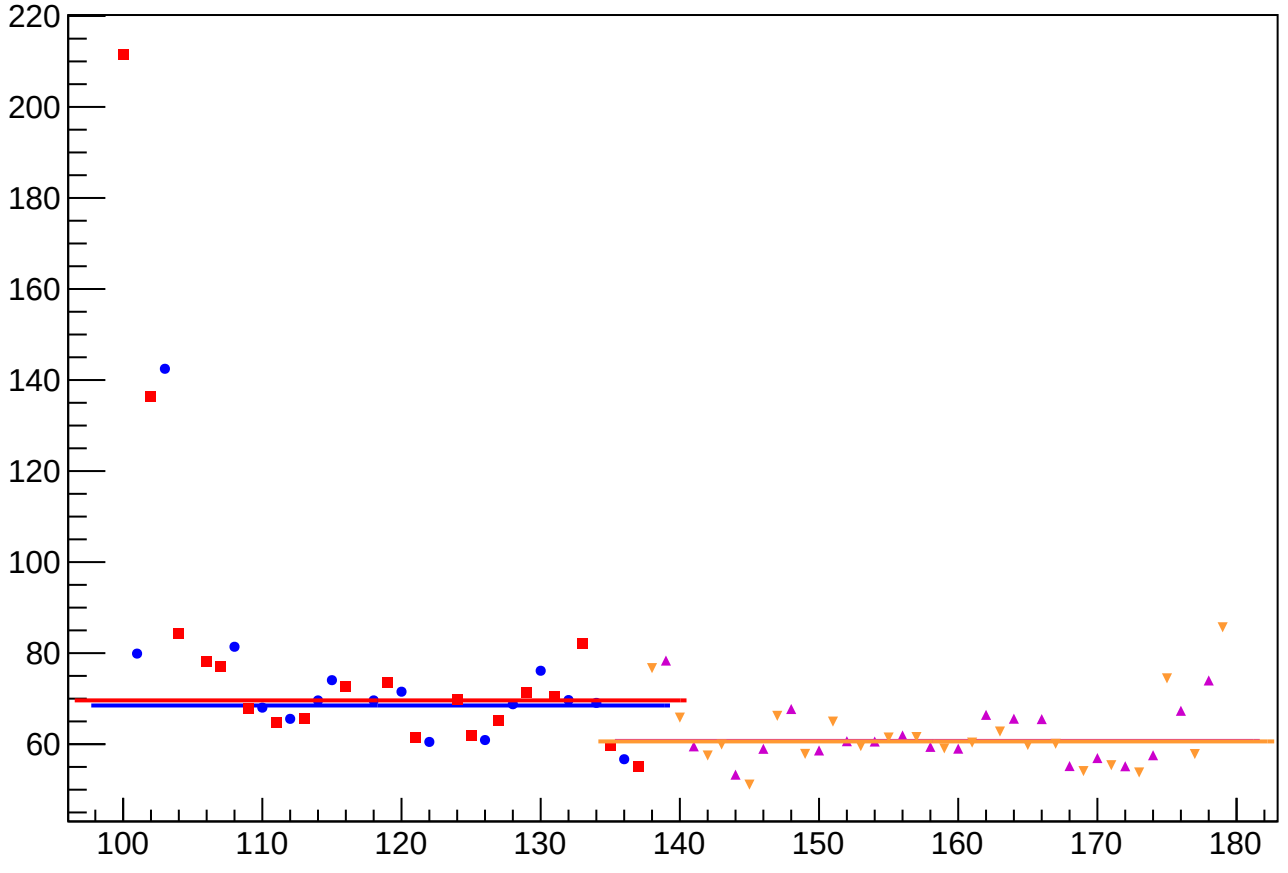
Left In: -57.988+/-15.173 χ^2/NDF:27.3/19

+ sign 32.717+/-12.795 χ^2/NDF: 44.4/37

All: -11.550+/-9.171 χ^2/NDF: 122.0/76

- sign -58.326+/-13.153 χ^2/NDF: 53.0/38

reg_asym_sam_12345678_avg_rms vs Slug



Right In: 68.499+/-0.019 χ^2/NDF: 471865.0/15

Left Out: 60.606+/-0.010 χ^2/NDF:423975.6/21

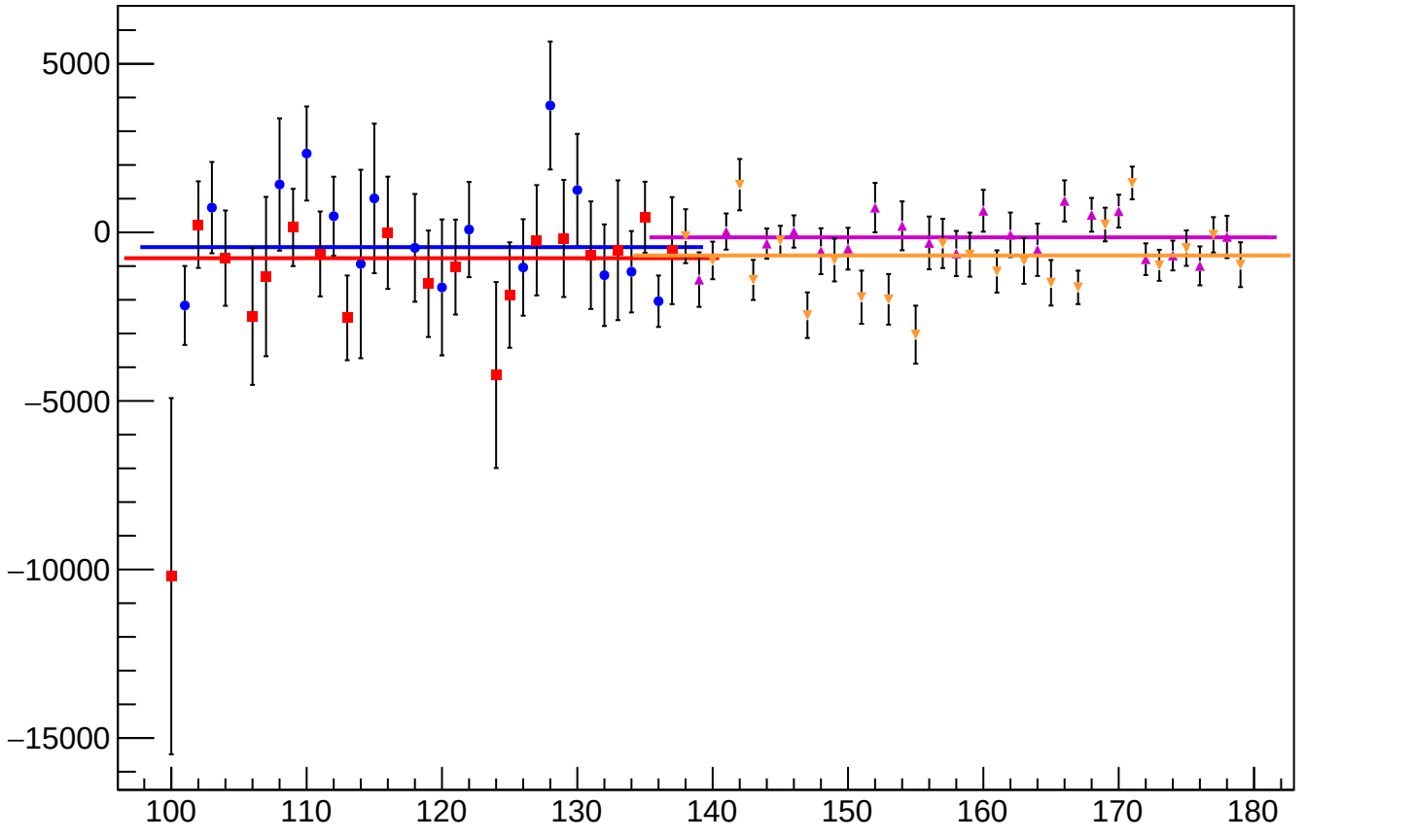
Right Out: 69.620+/-0.019 χ^2/NDF: 520403.9/18

Left In: 60.713+/-0.011 χ^2/NDF:276881.9/19

+ sign 62.486+/-0.009 χ^2/NDF: 1033957.7/37

All: 62.700+/-0.006 χ^2/NDF: 2003694.2/76

- sign 62.927+/-0.009 χ^2/NDF: 968585.8/38



Right In: -437.444+/-348.880 χ^2/NDF: 20.6/15

Left Out: -684.701+/-127.332 χ^2/NDF:61.6/21

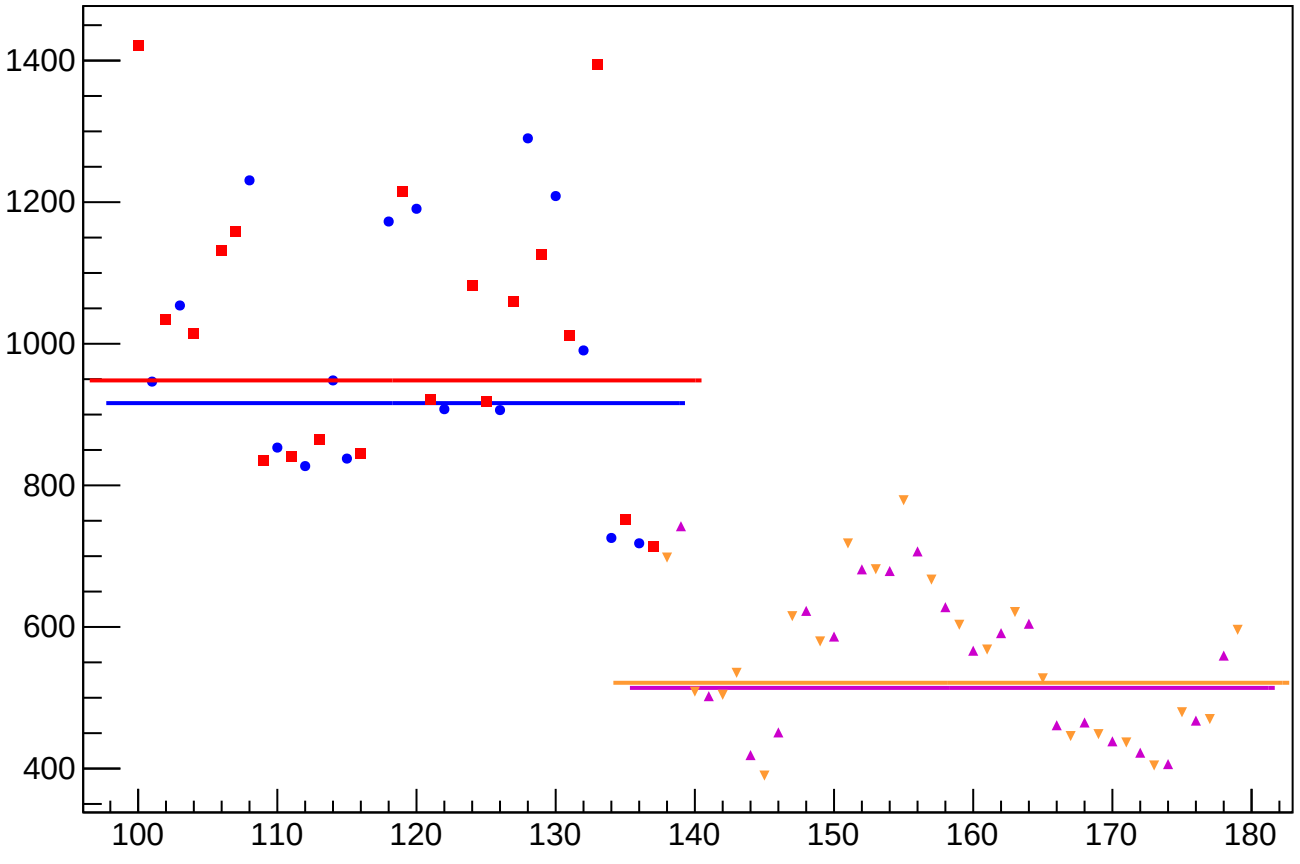
Right Out: -765.341+/-353.052 χ^2/NDF: 11.3/18

Left In: -147.739+/-129.819 χ^2/NDF:20.5/19

+ sign -655.636+/-119.614 χ^2/NDF: 82.6/37

All: -442.476+/-85.357 χ^2/NDF: 123.6/76

- sign -221.298+/-121.843 χ^2/NDF: 34.6/38



Right In: 916.171+/-0.247 χ^2/NDF: 509126.4/15

Left Out: 521.168+/-0.090 χ^2/NDF:1233086.9/21

Right Out: 948.235+/-0.250 χ^2/NDF: 415192.3/18

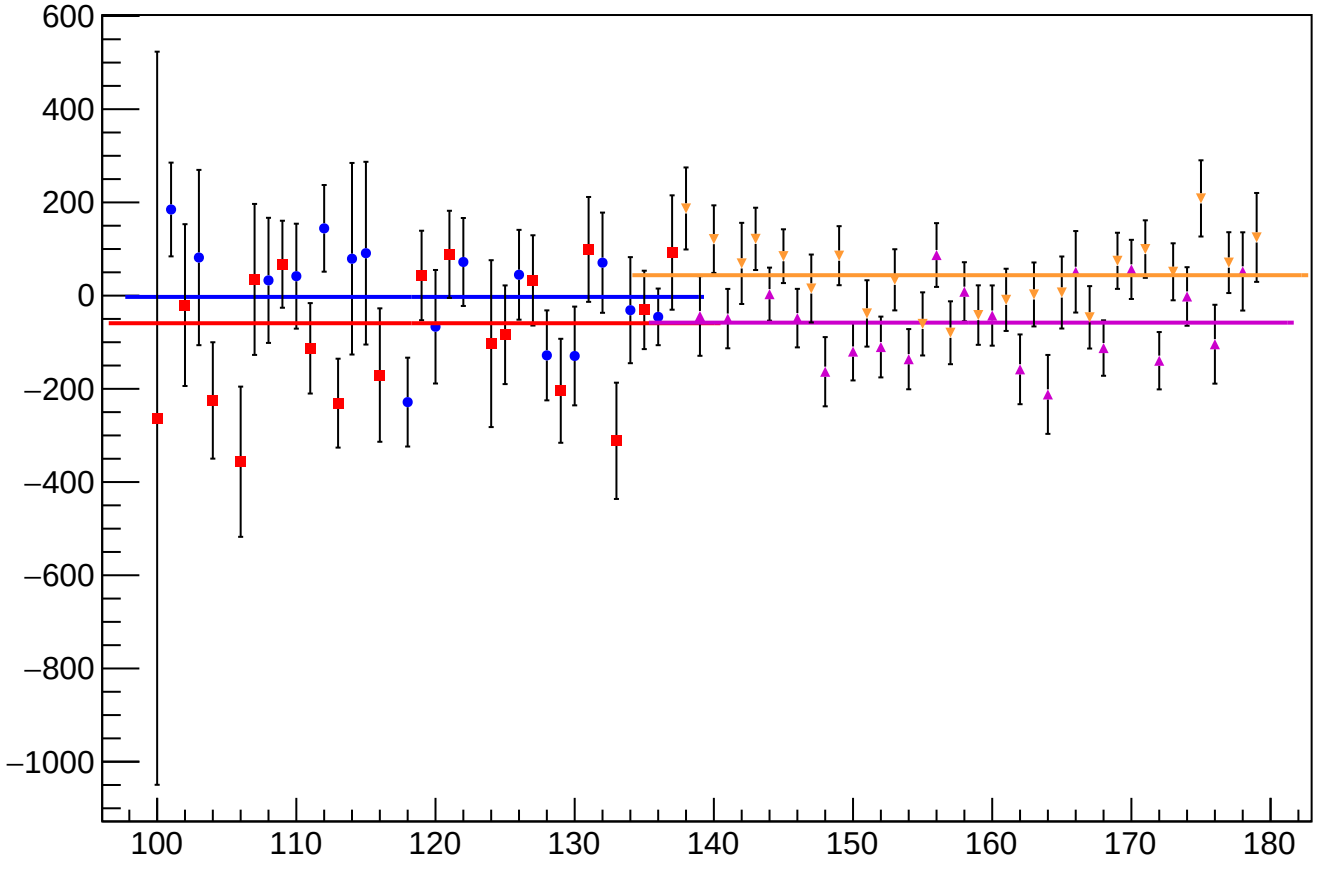
Left In: 513.940+/-0.092 χ^2/NDF:1118771.8/19

+ sign 567.600+/-0.085 χ^2/NDF: 4004613.5/37

All: 566.651+/-0.060 χ^2/NDF: 8204761.4/76

- sign 565.666+/-0.086 χ^2/NDF: 4199891.3/38

cor_asym_sam_12345678_avg_mean vs Slug



Right In: -2.773+/-26.213 χ^2/NDF: 17.7/15

Left Out: 43.818+/-14.660 χ^2/NDF:24.3/21

Right Out: -59.226+/-26.384 χ^2/NDF: 25.7/18

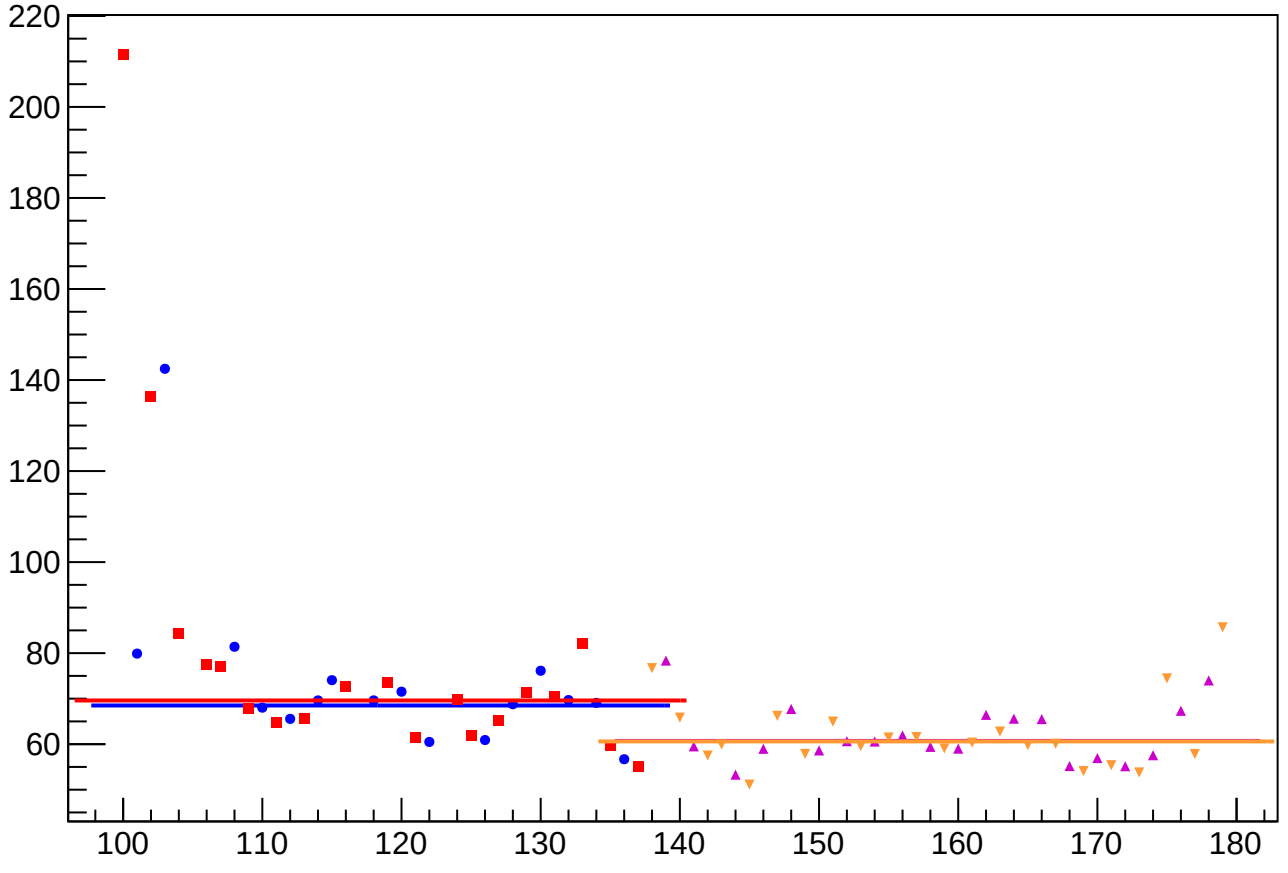
Left In: -57.988+/-15.173 χ^2/NDF:27.3/19

+ sign 32.717+/-12.795 χ^2/NDF: 44.4/37

All: -11.534+/-9.171 χ^2/NDF: 122.0/76

- sign -58.296+/-13.153 χ^2/NDF: 53.0/38

cor_asym_sam_12345678_avg_rms vs Slug



Right In: 68.499+/-0.019 χ^2/NDF: 471868.0/15

Left Out: 60.606+/-0.010 χ^2/NDF:423975.6/21

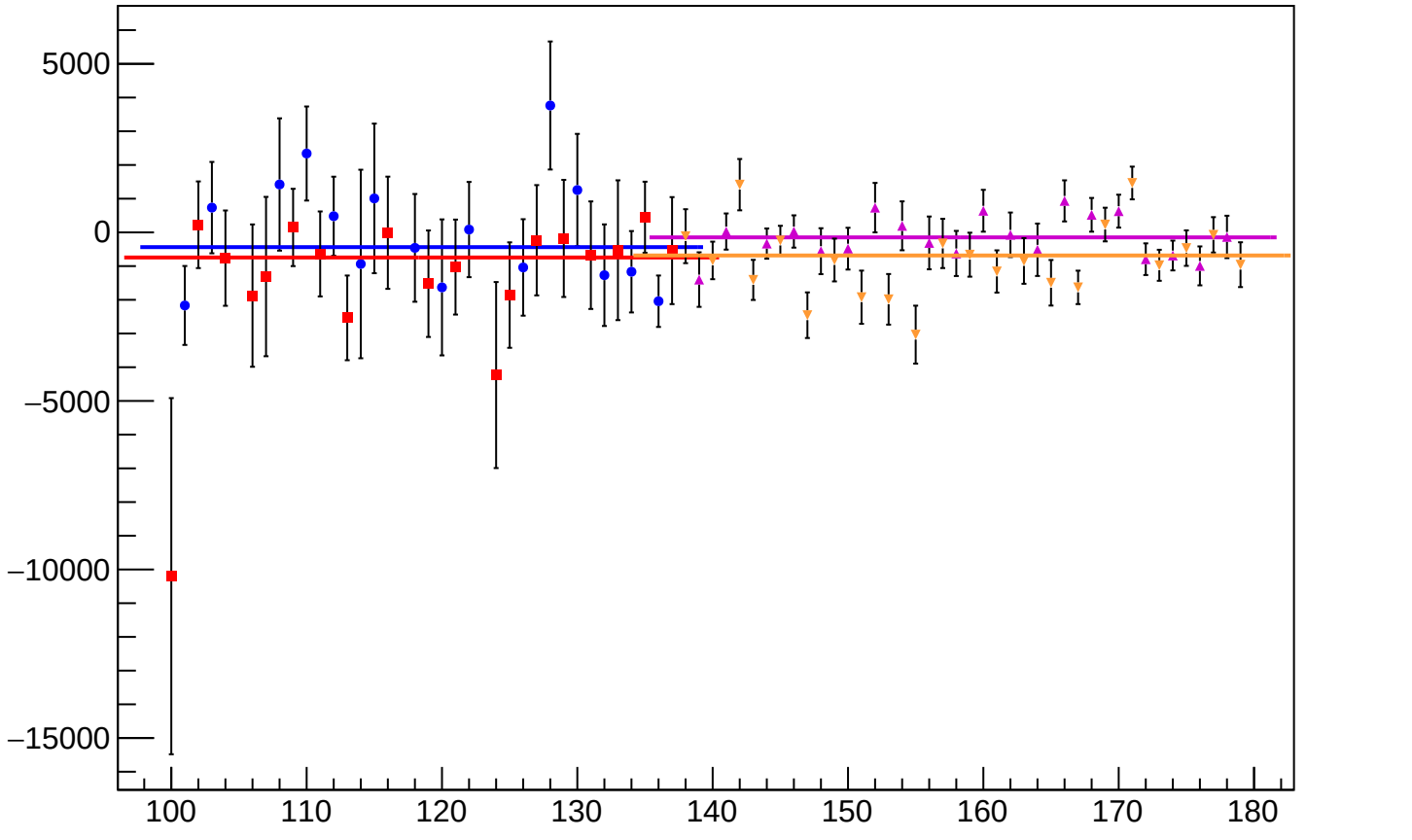
Right Out: 69.600+/-0.019 χ^2/NDF: 519788.9/18

Left In: 60.713+/-0.011 χ^2/NDF:276881.9/19

+ sign 62.486+/-0.009 χ^2/NDF: 1033960.6/37

All: 62.698+/-0.006 χ^2/NDF: 2002306.4/76

- sign 62.922+/-0.009 χ^2/NDF: 967220.6/38



Right In: -437.415+/-348.881 χ^2/NDF: 20.6/15

Left Out: -684.696+/-127.332 χ^2/NDF:61.6/21

Right Out: -744.388+/-353.488 χ^2/NDF: 10.9/18

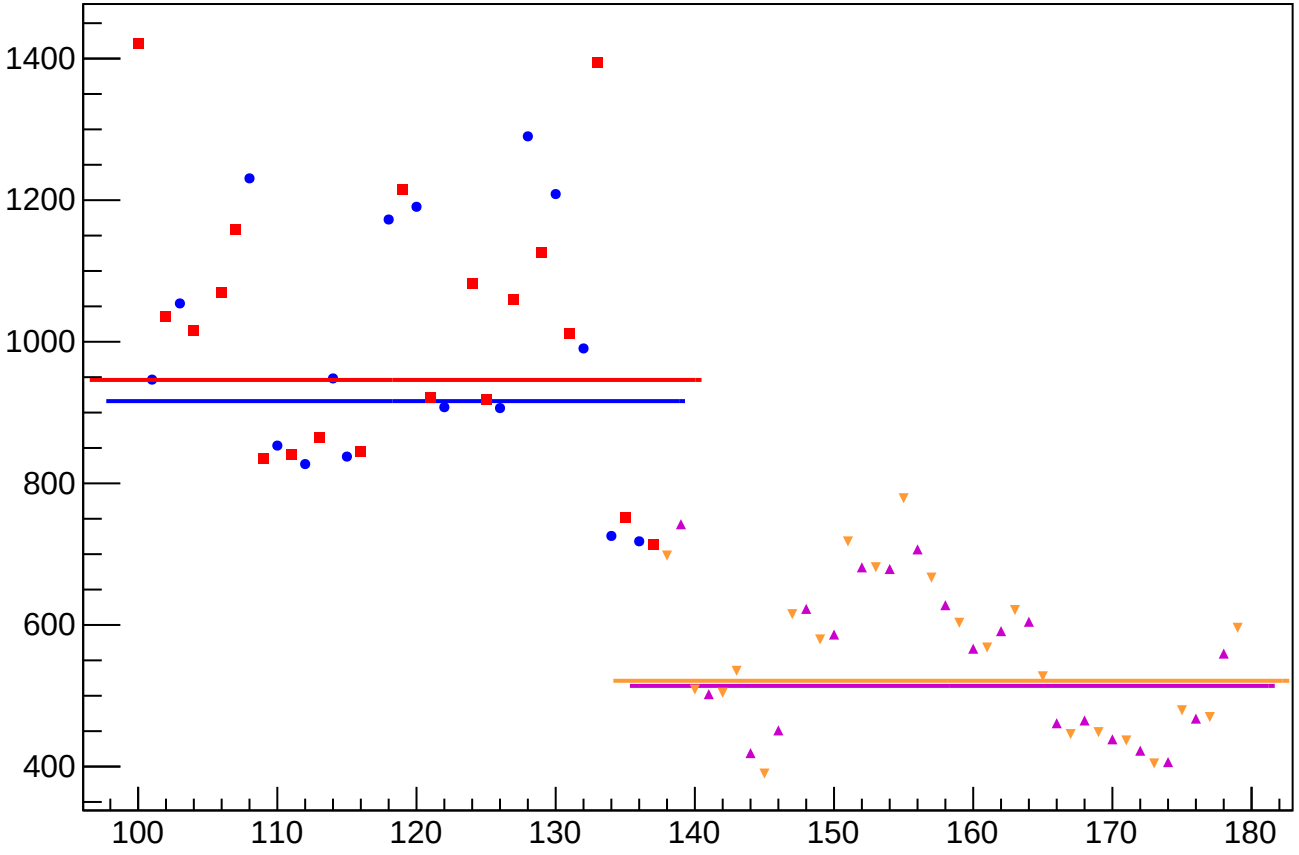
Left In: -147.740+/-129.819 χ^2/NDF:20.5/19

+ sign -655.629+/-119.614 χ^2/NDF: 82.6/37

All: -441.204+/-85.363 χ^2/NDF: 123.1/76

- sign -218.648+/-121.861 χ^2/NDF: 33.9/38

asym_sam_12345678_avg_cor_correction_rms vs Slug



Right In: 916.174+/-0.247 χ^2/NDF: 509149.2/15

Left Out: 521.168+/-0.090 χ^2/NDF:1233091.1/21

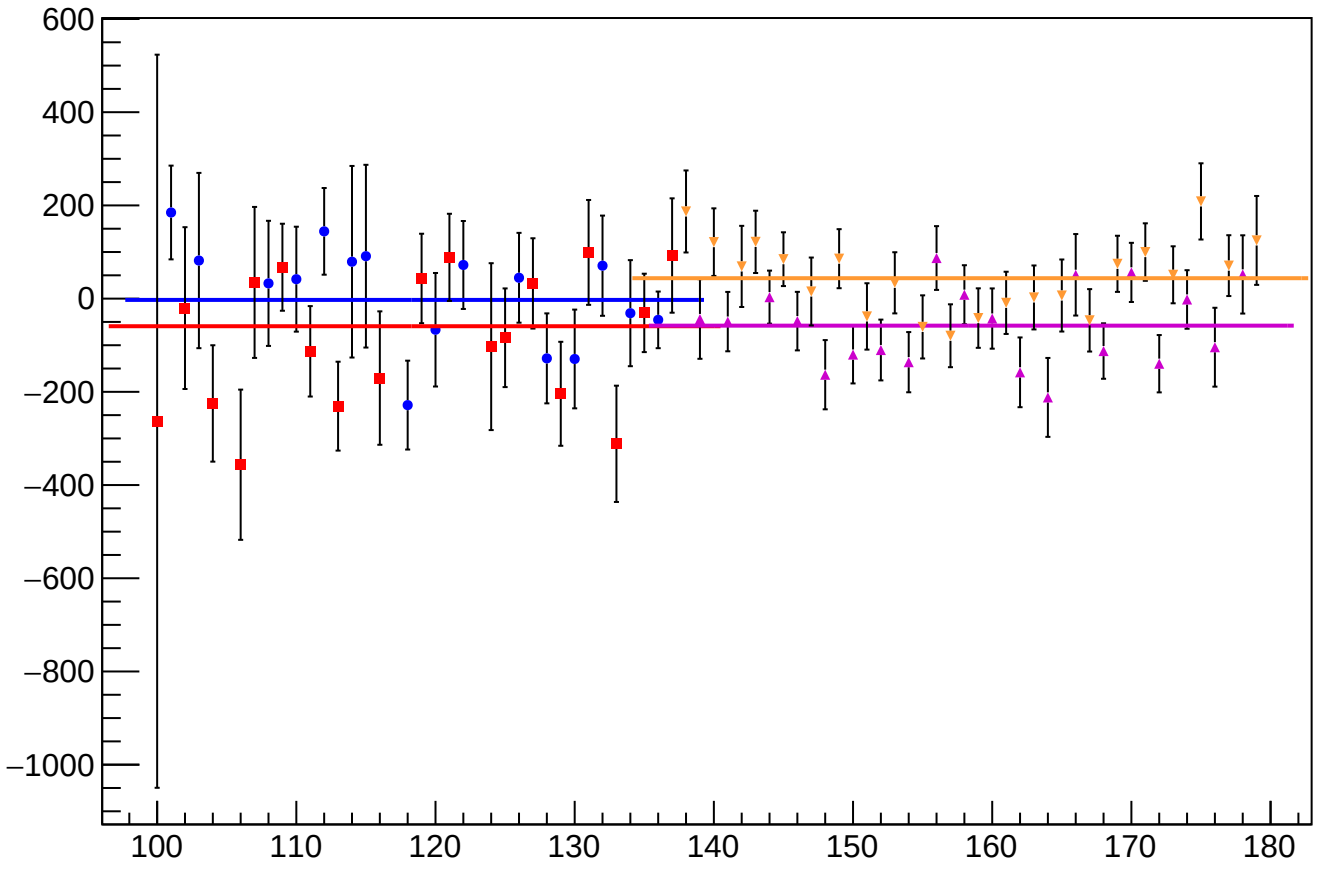
Right Out: 946.093+/-0.250 χ^2/NDF: 405411.3/18

Left In: 513.940+/-0.092 χ^2/NDF:1118770.5/19

+ sign 567.600+/-0.085 χ^2/NDF: 4004667.2/37

All: 566.471+/-0.060 χ^2/NDF: 8163163.1/76

- sign 565.299+/-0.086 χ^2/NDF: 4158132.8/38



Right In: -2.773+/-26.213 χ^2/NDF: 17.7/15

Left Out: 43.818+/-14.660 χ^2/NDF:24.3/21

Right Out: -59.226+/-26.384 χ^2/NDF: 25.7/18

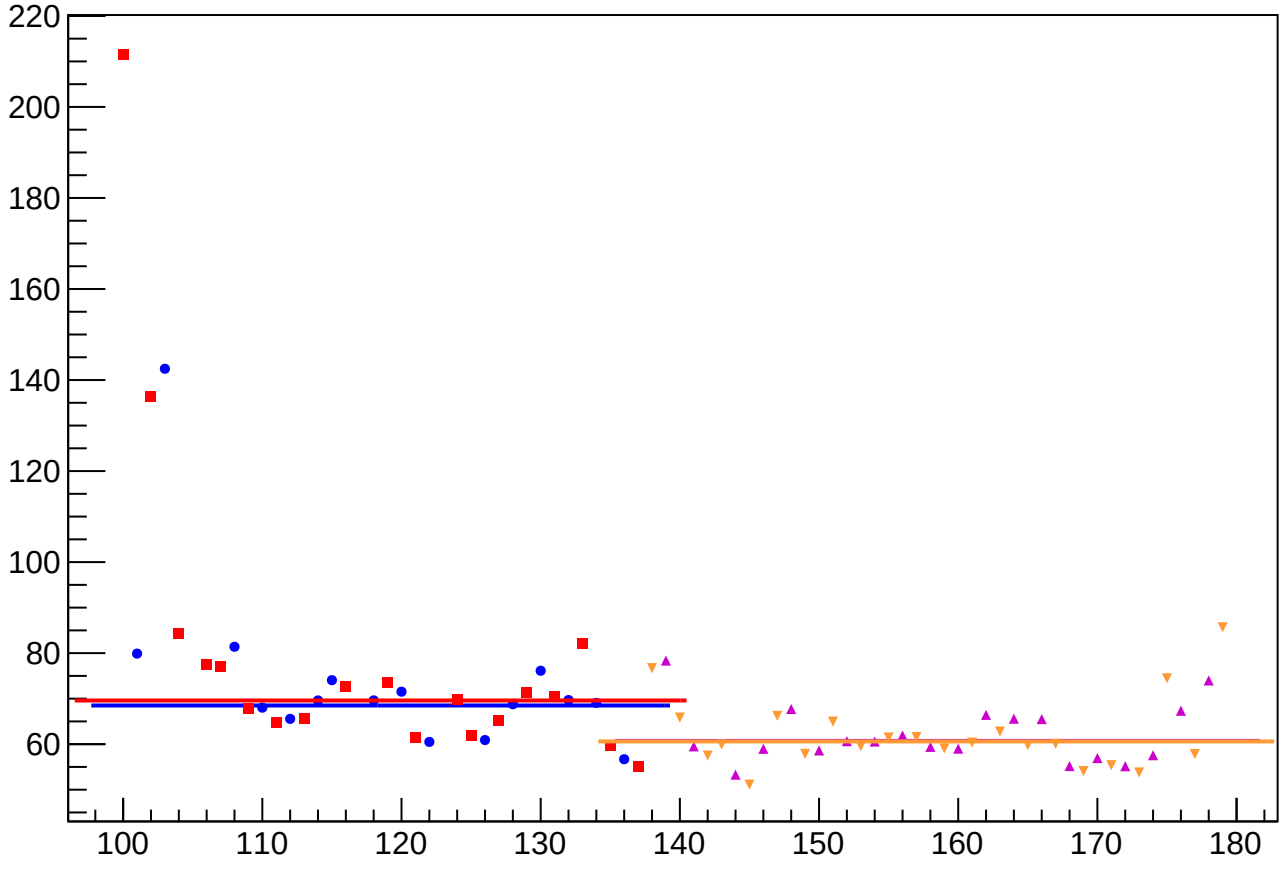
Left In: -57.988+/-15.173 χ^2/NDF:27.3/19

+ sign 32.717+/-12.795 χ^2/NDF: 44.4/37

All: -11.534+/-9.171 χ^2/NDF: 122.0/76

- sign -58.296+/-13.153 χ^2/NDF: 53.0/38

eigen_cor_asym_sam_12345678_avg_rms vs Slug



Right In: 68.499+/-0.019 χ^2/NDF: 471868.0/15

Left Out: 60.606+/-0.010 χ^2/NDF:423975.6/21

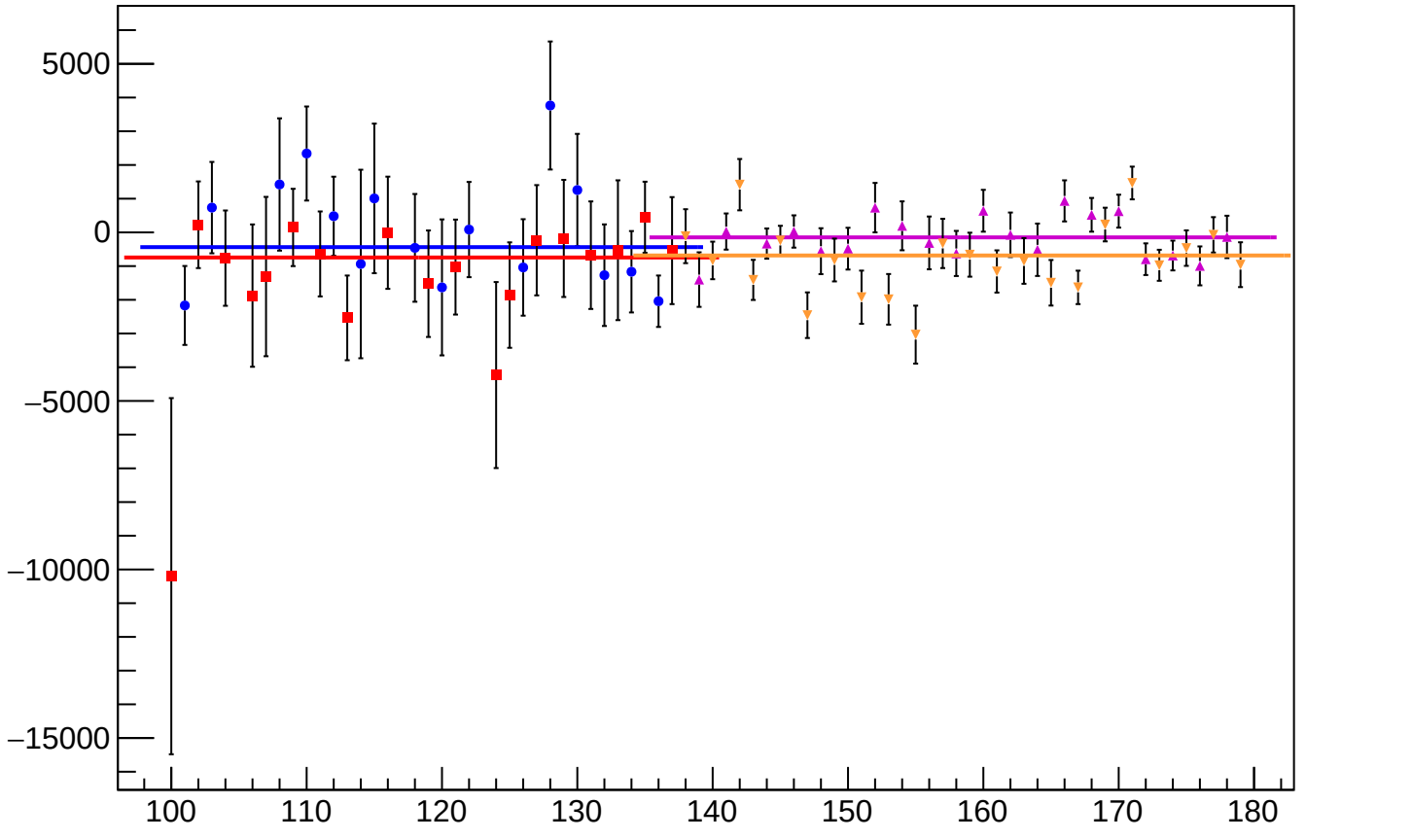
Right Out: 69.600+/-0.019 χ^2/NDF: 519788.9/18

Left In: 60.713+/-0.011 χ^2/NDF:276881.9/19

+ sign 62.486+/-0.009 χ^2/NDF: 1033960.6/37

All: 62.698+/-0.006 χ^2/NDF: 2002306.4/76

- sign 62.922+/-0.009 χ^2/NDF: 967220.6/38



Right In: -437.415+/-348.881 χ^2/NDF: 20.6/15

Left Out: -684.696+/-127.332 χ^2/NDF:61.6/21

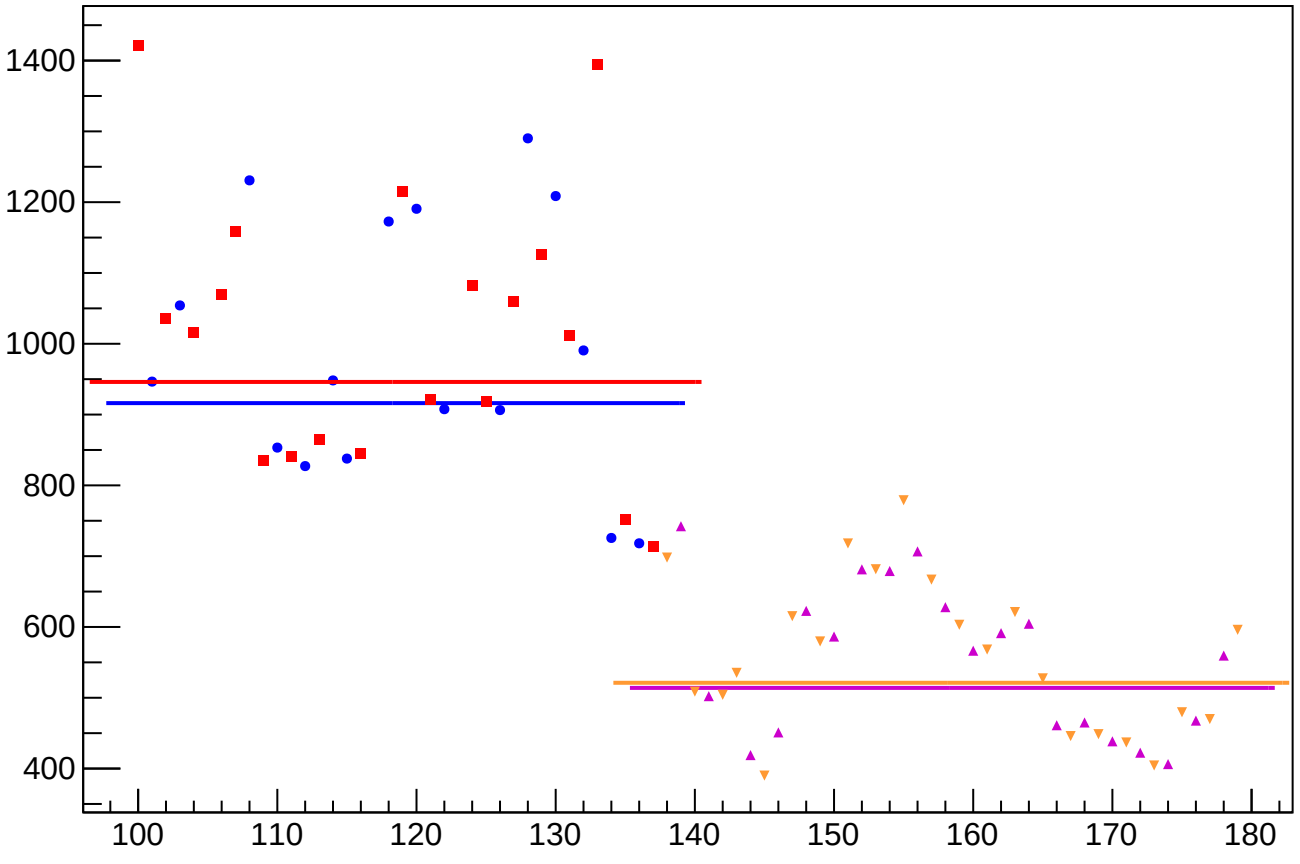
Right Out: -744.388+/-353.488 χ^2/NDF: 10.9/18

Left In: -147.740+/-129.819 χ^2/NDF:20.5/19

+ sign -655.629+/-119.614 χ^2/NDF: 82.6/37

All: -441.204+/-85.363 χ^2/NDF: 123.1/76

- sign -218.648+/-121.861 χ^2/NDF: 33.9/38



Right In: 916.174+/-0.247 χ^2/NDF: 509149.2/15

Left Out: 521.168+/-0.090 χ^2/NDF:1233091.1/21

Right Out: 946.093+/-0.250 χ^2/NDF: 405411.3/18

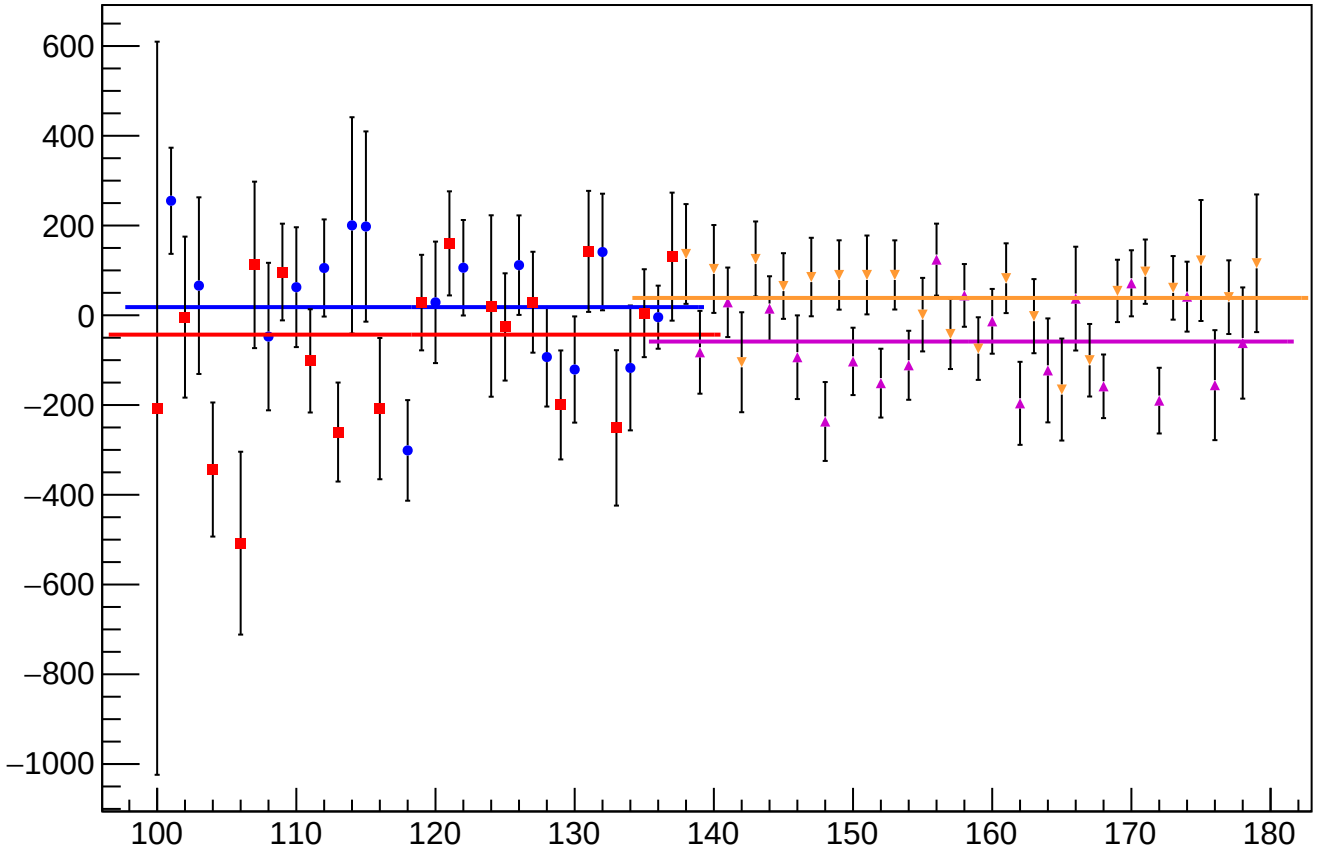
Left In: 513.940+/-0.092 χ^2/NDF:1118770.5/19

+ sign 567.600+/-0.085 χ^2/NDF: 4004667.2/37

All: 566.471+/-0.060 χ^2/NDF: 8163163.1/76

- sign 565.299+/-0.086 χ^2/NDF: 4158132.8/38

dit_asym_sam_12345678_avg_mean vs Slug



Right In: 18.175+/-30.346 χ^2/NDF: 20.1/15

Left Out: 38.637+/-17.961 χ^2/NDF:17.7/21

Right Out: -43.146+/-30.707 χ^2/NDF: 27.7/18

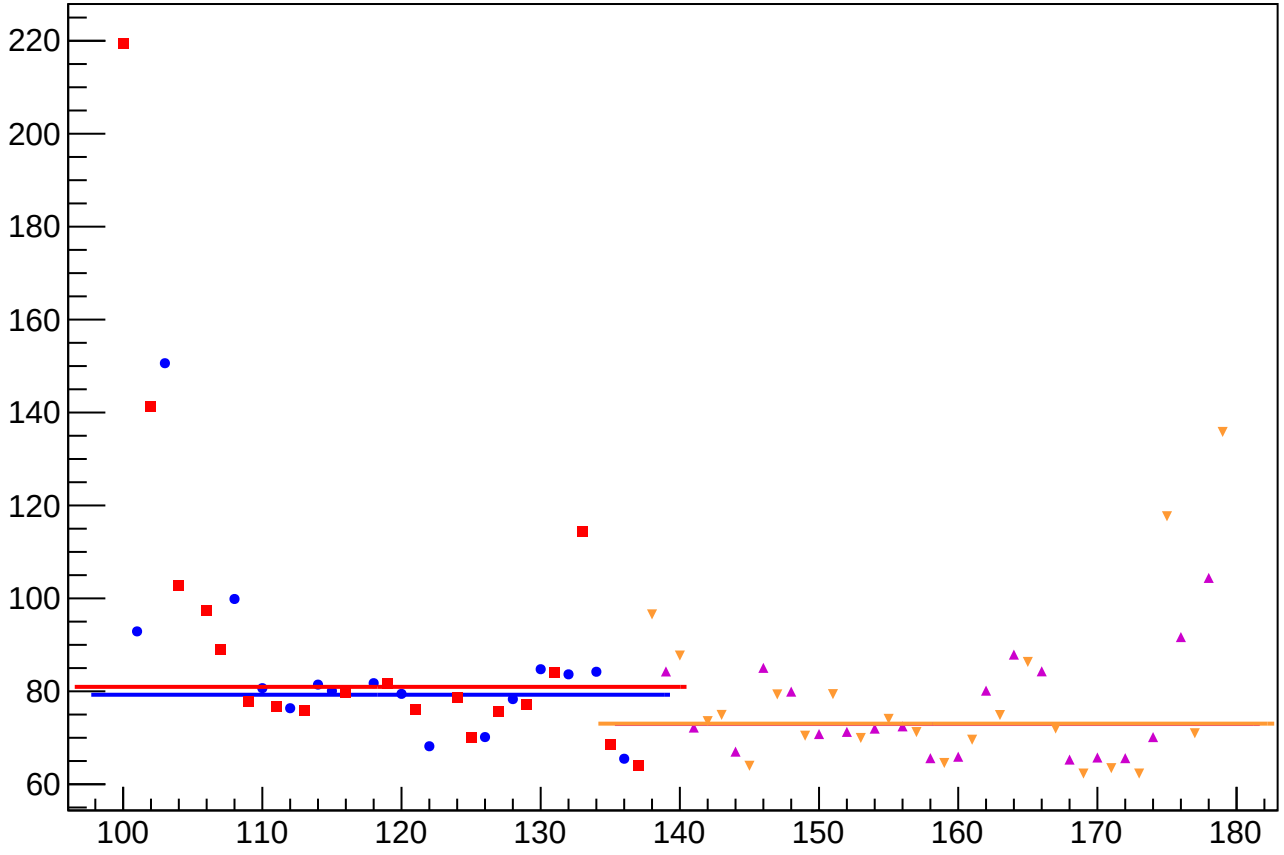
Left In: -58.553+/-18.498 χ^2/NDF:30.5/19

+ sign 33.328+/-15.456 χ^2/NDF: 38.1/37

All: -9.472+/-11.064 χ^2/NDF: 112.2/76

- sign -54.451+/-15.845 χ^2/NDF: 58.4/38

dit_asym_sam_12345678_avg_rms vs Slug



Right In: 79.263+/-0.021 χ^2/NDF: 444951.1/15

Left Out: 73.043+/-0.013 χ^2/NDF:940859.3/21

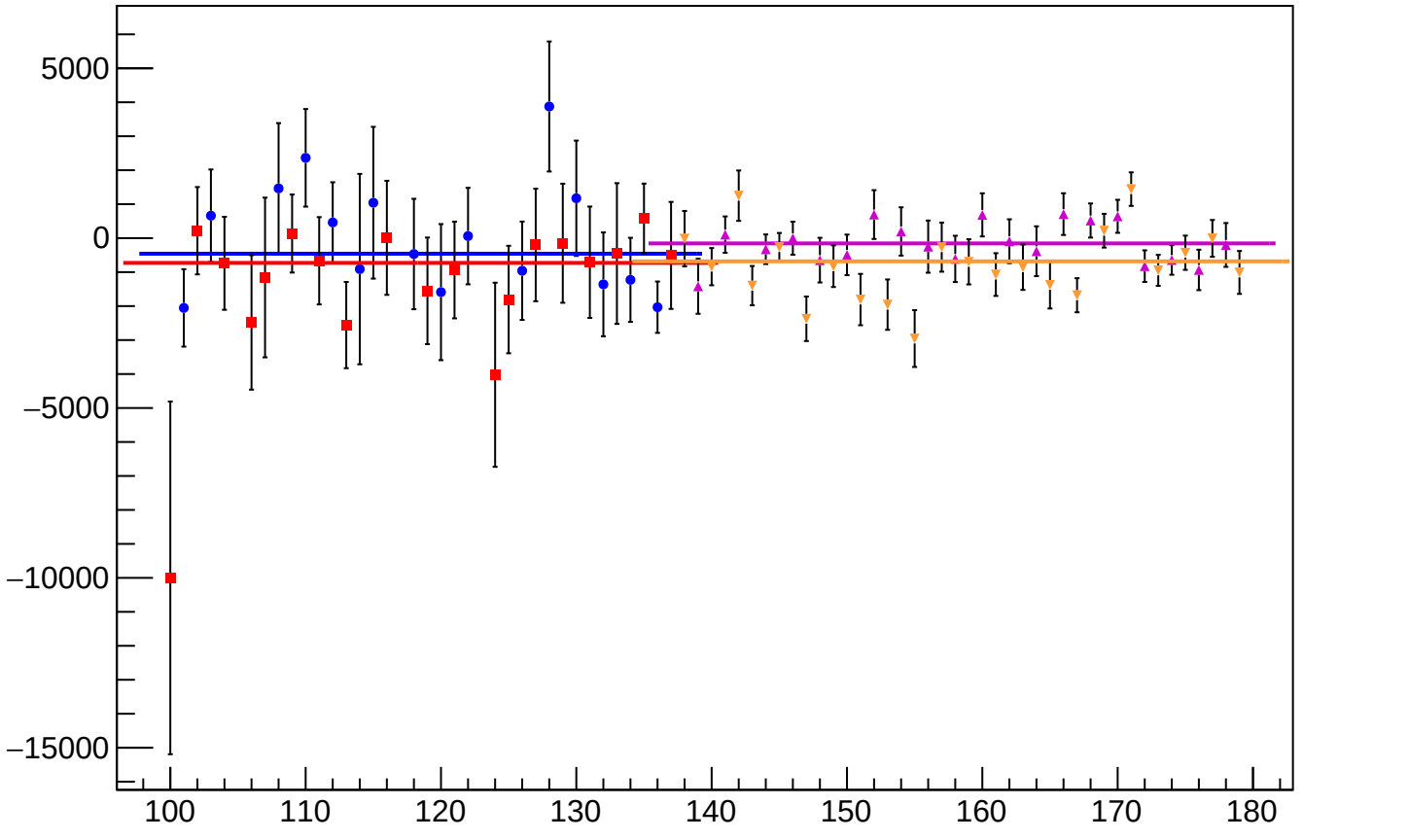
Right Out: 80.958+/-0.022 χ^2/NDF: 514182.4/18

Left In: 72.962+/-0.013 χ^2/NDF:439381.4/19

+ sign 74.657+/-0.011 χ^2/NDF: 1448035.0/37

All: 74.868+/-0.008 χ^2/NDF: 2501890.1/76

- sign 75.091+/-0.011 χ^2/NDF: 1053086.0/38



Right In: -458.108+/-350.075 χ^2/NDF: 20.3/15

Left Out: -682.755+/-125.749 χ^2/NDF:59.3/21

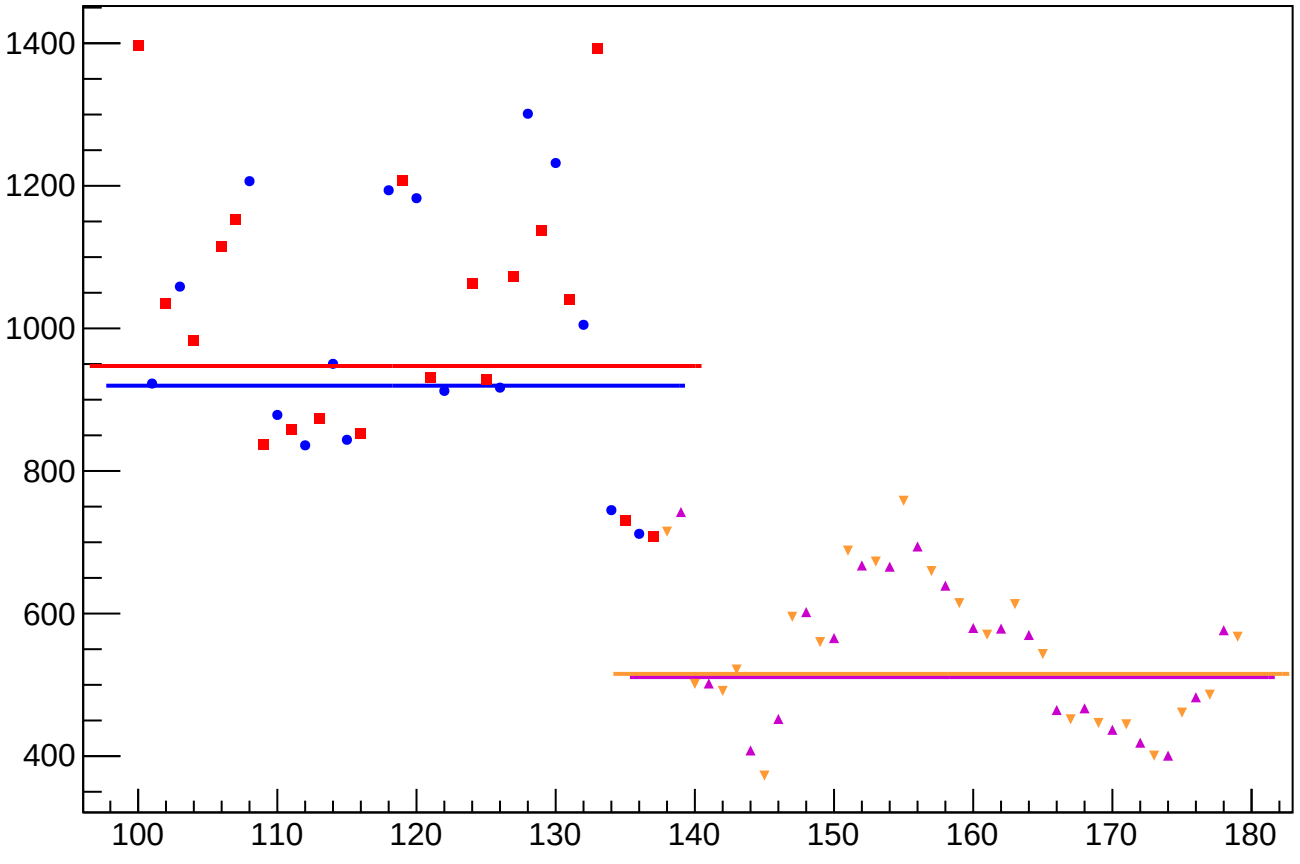
Right Out: -728.750+/-352.574 χ^2/NDF: 11.5/18

Left In: -154.928+/-129.002 χ^2/NDF:19.3/19

+ sign -657.082+/-118.345 χ^2/NDF: 80.0/37

All: -444.962+/-84.656 χ^2/NDF: 119.7/76

- sign -222.678+/-121.147 χ^2/NDF: 33.1/38



Right In: 919.638+/-0.248 χ^2/NDF: 515443.8/15

Left Out: 515.375+/-0.089 χ^2/NDF:1230550.7/21

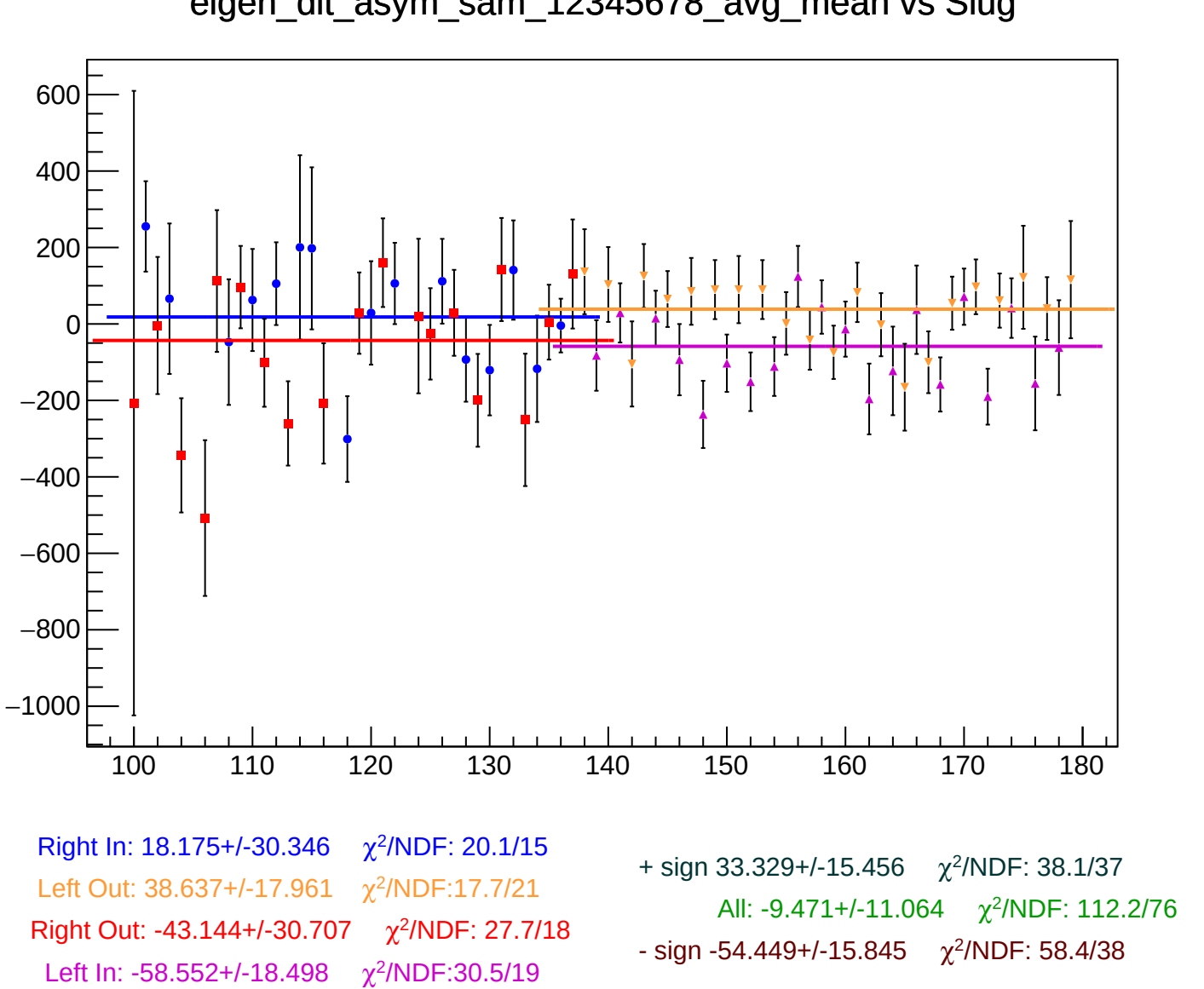
Right Out: 947.272+/-0.249 χ^2/NDF: 425563.8/18

Left In: 510.869+/-0.091 χ^2/NDF:1097637.6/19

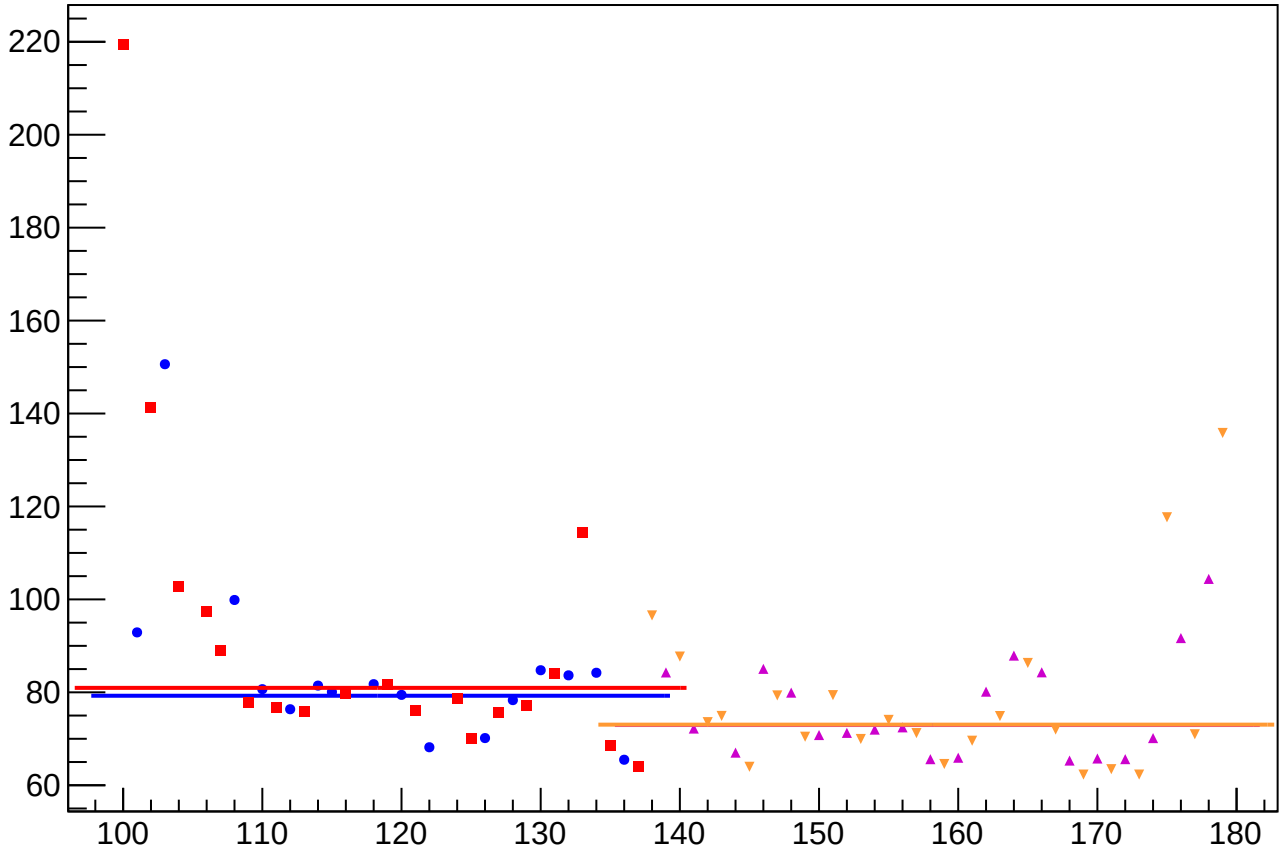
+ sign 561.576+/-0.084 χ^2/NDF: 4108273.0/37

All: 561.975+/-0.060 χ^2/NDF: 8333863.5/76

- sign 562.394+/-0.086 χ^2/NDF: 4225543.8/38


eigen_dit_asym_sam_12345678_avg_mean vs Slug
600
400
200
0
−200
−400
−600
−800
−1000
100
110
120
130
140
150
160
170
180
Right In: 18.175+/-30.346 χ²/NDF: 20.1/15
Left Out: 38.637+/-17.961 χ²/NDF:17.7/21
Right Out: -43.144+/-30.707 χ²/NDF: 27.7/18
Left In: -58.552+/-18.498 χ²/NDF:30.5/19
+ sign 33.329+/-15.456 χ²/NDF: 38.1/37
All: -9.471+/-11.064 χ²/NDF: 112.2/76
- sign -54.449+/-15.845 χ²/NDF: 58.4/38

eigen_dit_asym_sam_12345678_avg_rms vs Slug



Right In: 79.263+/-0.021 χ^2/NDF: 444948.4/15

Left Out: 73.043+/-0.013 χ^2/NDF:940863.7/21

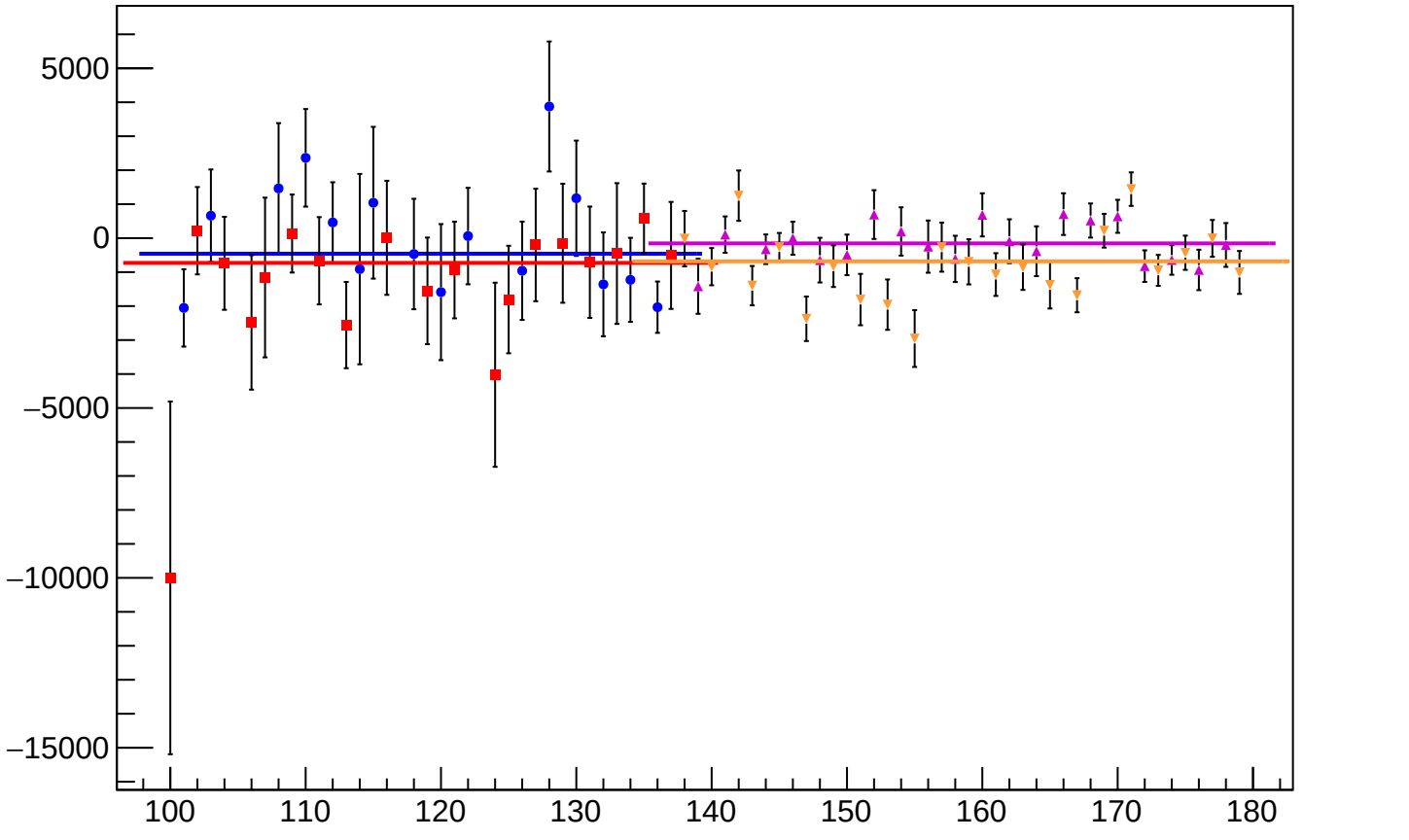
Right Out: 80.958+/-0.022 χ^2/NDF: 514191.2/18

Left In: 72.962+/-0.013 χ^2/NDF:439377.2/19

+ sign 74.657+/-0.011 χ^2/NDF: 1448027.8/37

All: 74.868+/-0.008 χ^2/NDF: 2501876.9/76

- sign 75.091+/-0.011 χ^2/NDF: 1053079.9/38



Right In: -458.104+/-350.074 χ^2/NDF: 20.3/15

Left Out: -682.754+/-125.748 χ^2/NDF:59.3/21

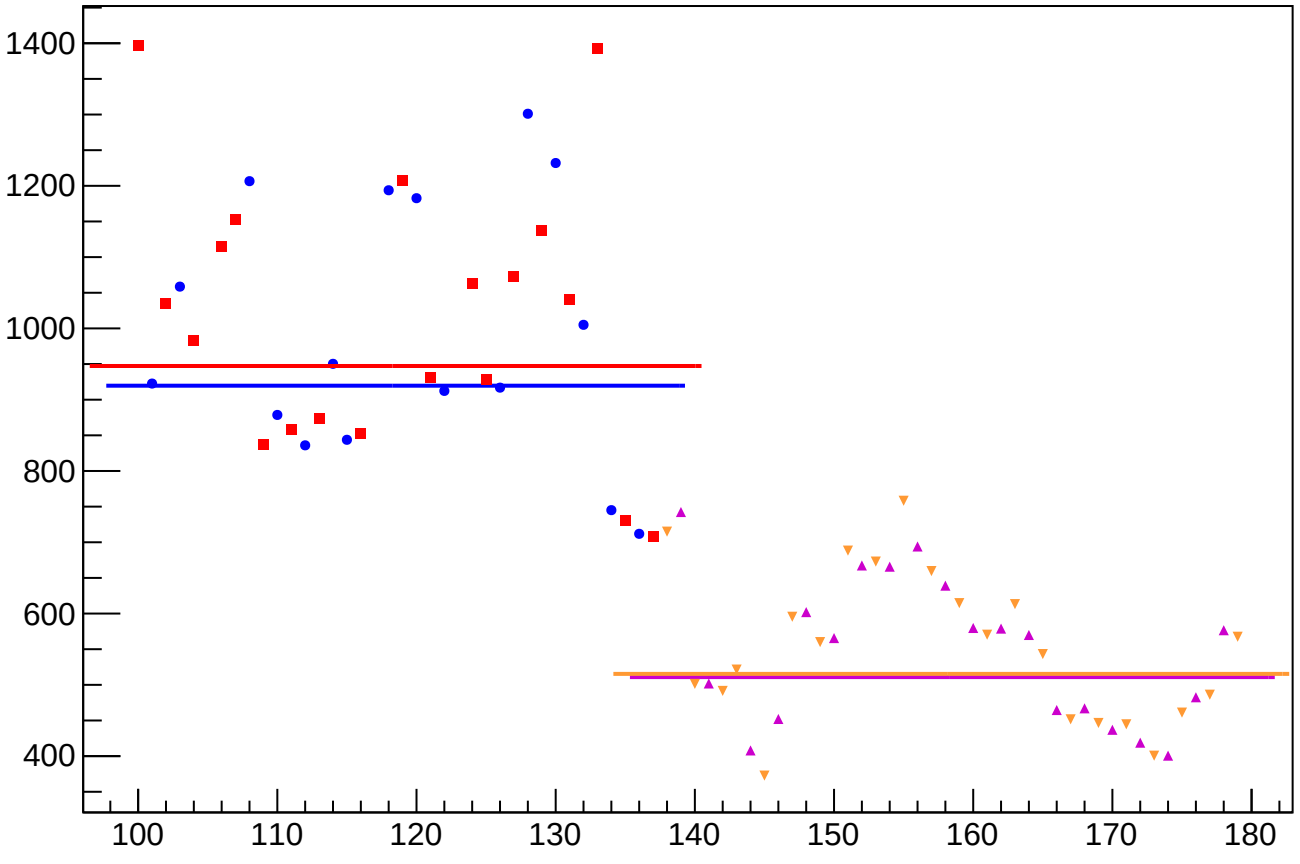
Right Out: -728.749+/-352.573 χ^2/NDF: 11.5/18

Left In: -154.927+/-129.002 χ^2/NDF:19.3/19

+ sign -657.081+/-118.345 χ^2/NDF: 80.0/37

All: -444.961+/-84.656 χ^2/NDF: 119.7/76

- sign -222.677+/-121.147 χ^2/NDF: 33.1/38



Right In: 919.636+/-0.248 χ^2/NDF: 515443.9/15

Left Out: 515.374+/-0.089 χ^2/NDF:1230553.0/21

Right Out: 947.270+/-0.249 χ^2/NDF: 425565.2/18

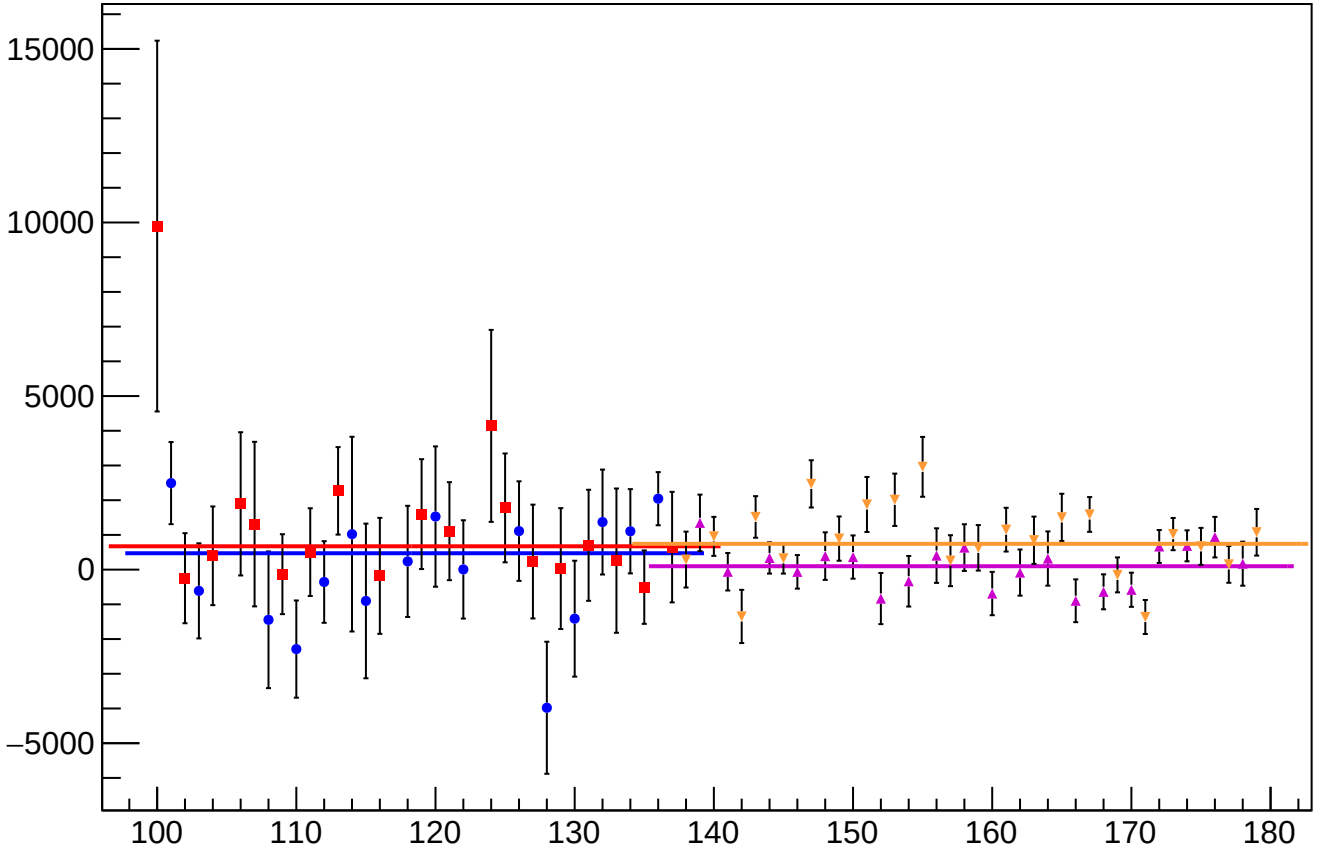
Left In: 510.869+/-0.091 χ^2/NDF:1097636.7/19

+ sign 561.575+/-0.084 χ^2/NDF: 4108273.2/37

All: 561.974+/-0.060 χ^2/NDF: 8333859.3/76

- sign 562.393+/-0.086 χ^2/NDF: 4225539.3/38

asym_sam_12345678_avg_mean vs Slug



Right In: 472.014+/-350.376 χ^2/NDF: 21.5/15

Left Out: 742.960+/-128.286 χ^2/NDF:57.1/21

Right Out: 672.537+/-354.512 χ^2/NDF: 10.3/18

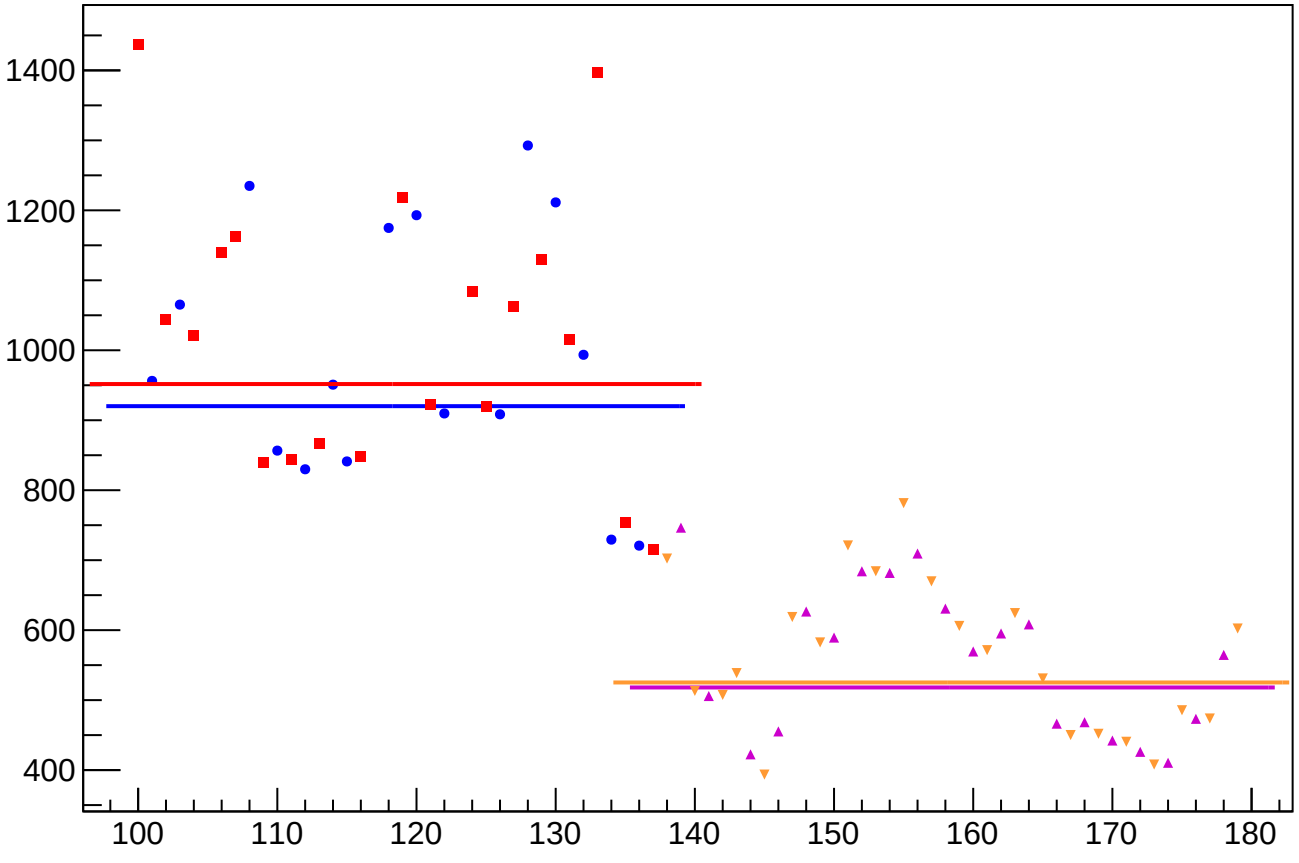
Left In: 98.073+/-130.822 χ^2/NDF:19.6/19

+ sign 710.932+/-120.465 χ^2/NDF: 79.1/37

All: 443.997+/-85.972 χ^2/NDF: 121.3/76

- sign 166.924+/-122.732 χ^2/NDF: 32.2/38

asym_sam_12345678_avg_rms vs Slug



Right In: 920.125+/-0.248 χ^2/NDF: 508678.6/15

Left Out: 525.234+/-0.091 χ^2/NDF:1213197.1/21

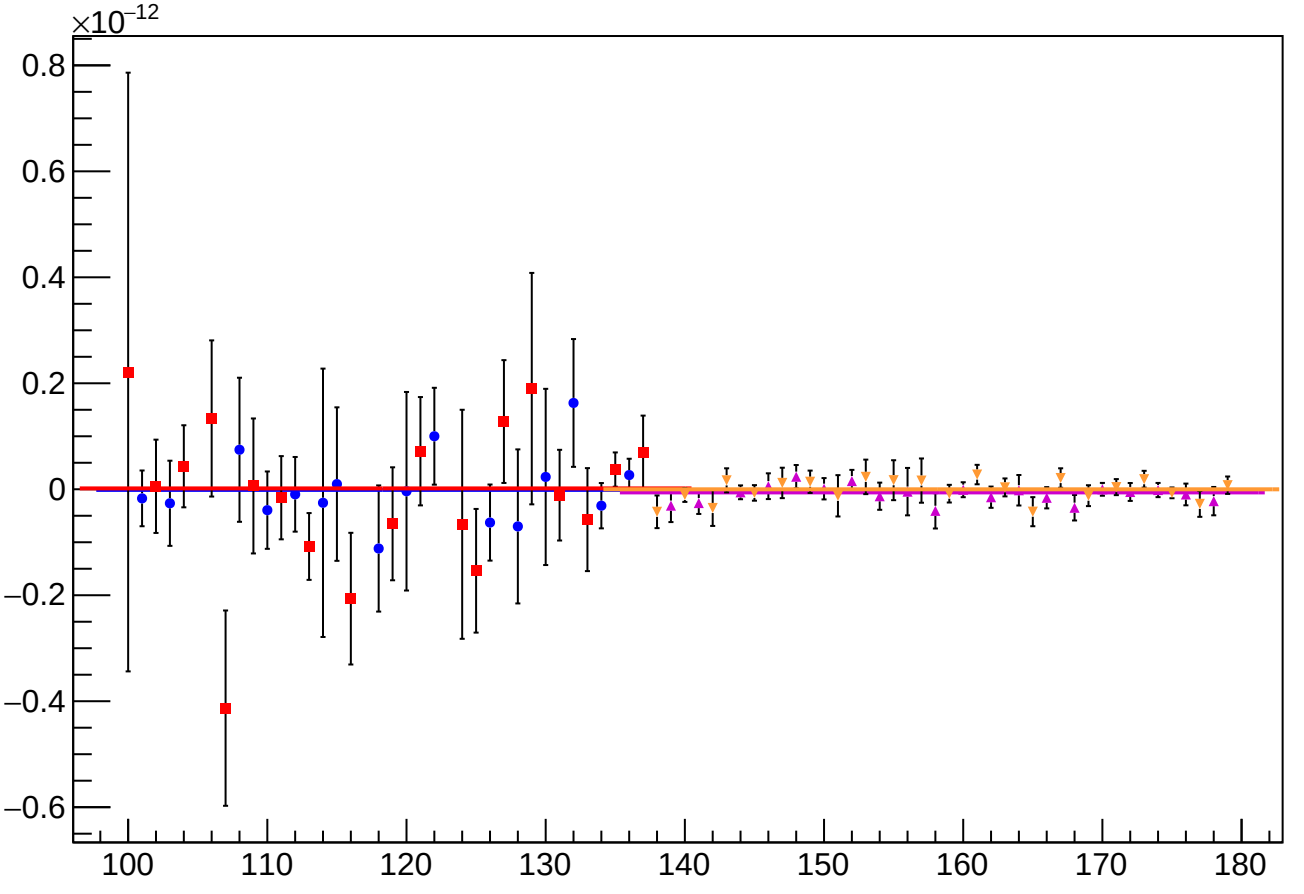
Right Out: 951.726+/-0.251 χ^2/NDF: 416116.3/18

Left In: 518.081+/-0.093 χ^2/NDF:1098118.4/19

+ sign 571.914+/-0.085 χ^2/NDF: 3962049.8/37

All: 571.002+/-0.061 χ^2/NDF: 8110373.9/76

- sign 570.055+/-0.087 χ^2/NDF: 4148090.2/38



Right In: -0.000+/-0.000 χ^2/NDF: 7.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:16.1/21

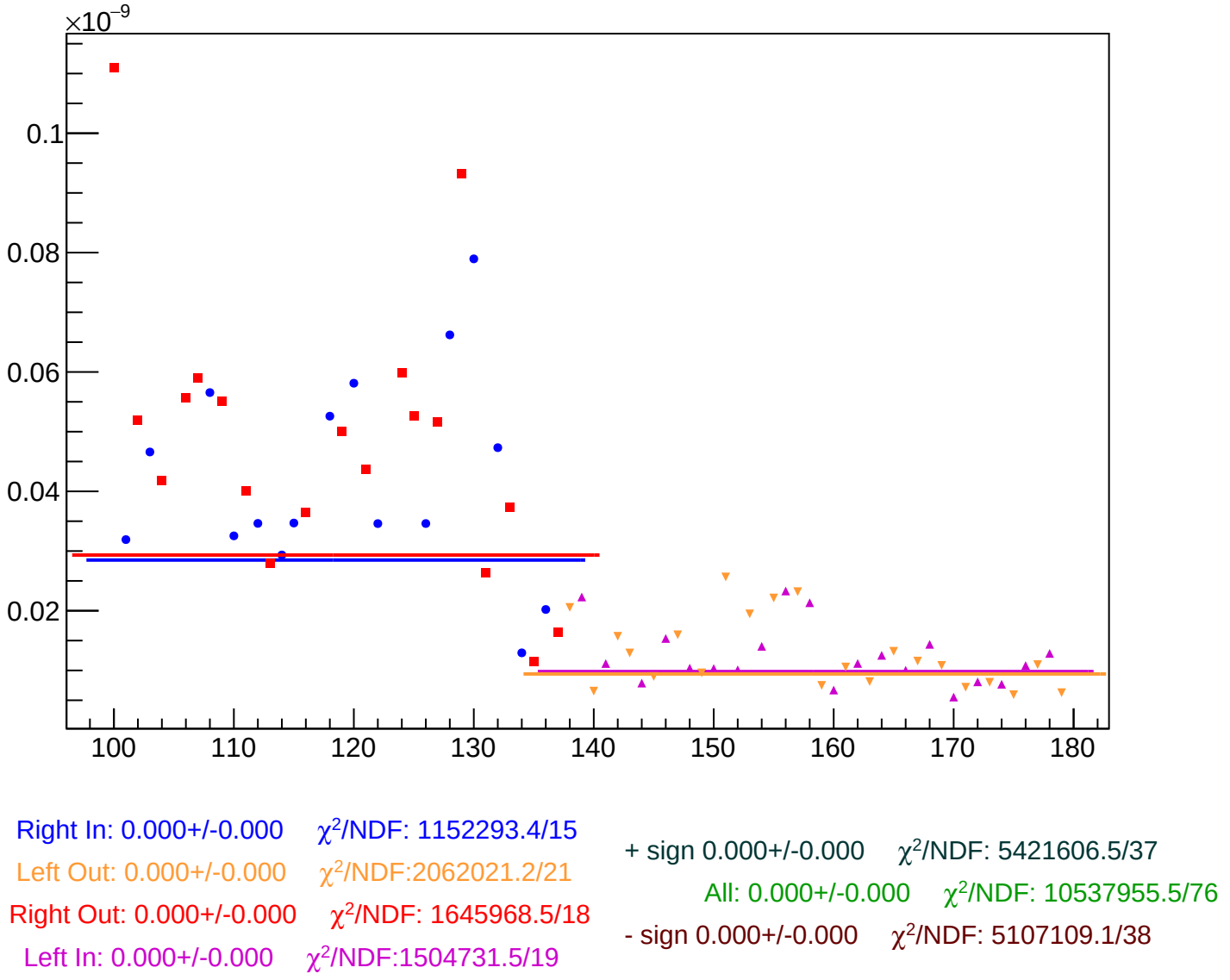
Right Out: 0.000+/-0.000 χ^2/NDF: 19.4/18

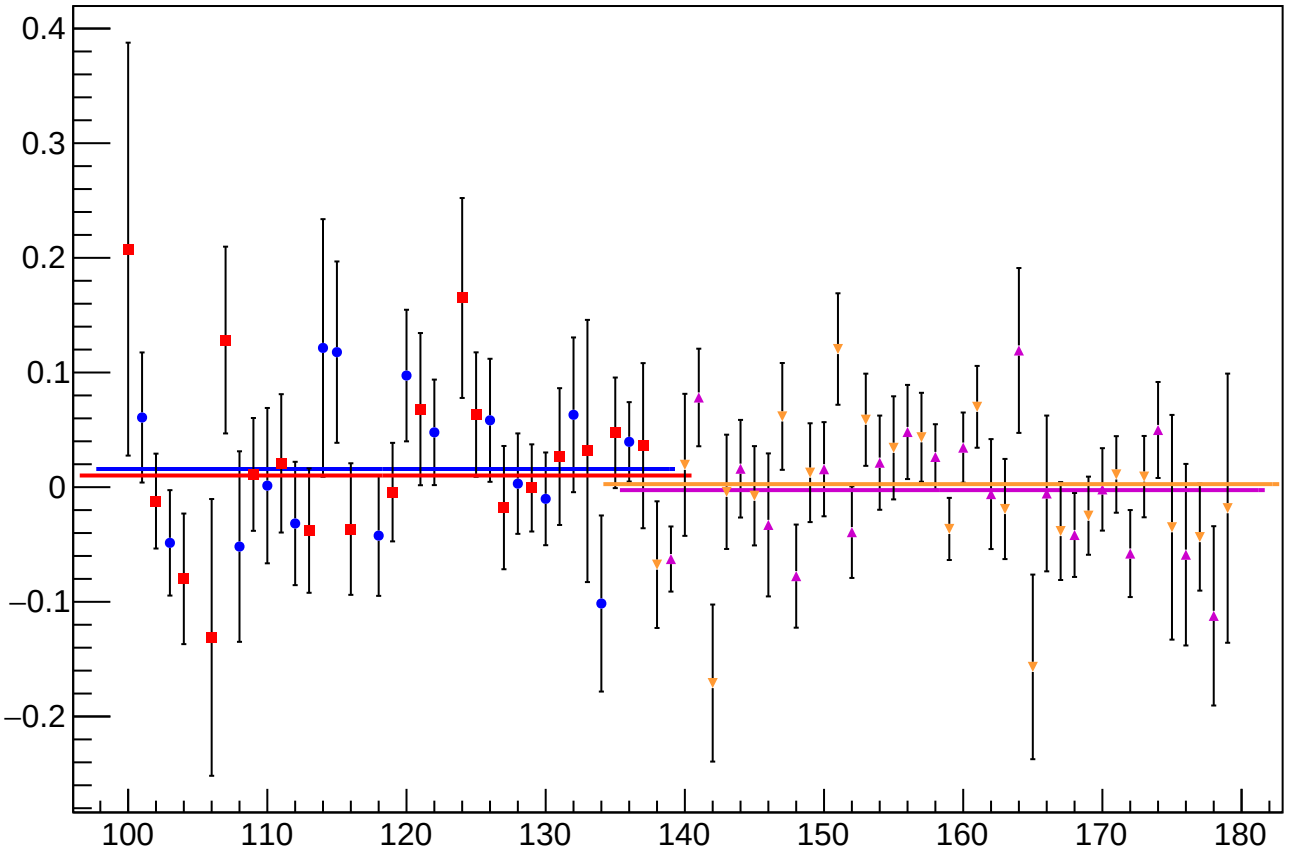
Left In: -0.000+/-0.000 χ^2/NDF:8.8/19

+ sign -0.000+/-0.000 χ^2/NDF: 23.2/37

All: -0.000+/-0.000 χ^2/NDF: 52.4/76

- sign -0.000+/-0.000 χ^2/NDF: 28.3/38


asym_sam_12345678_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1152293.4/15
Left Out: 0.000+/-0.000 χ²/NDF:2062021.2/21
Right Out: 0.000+/-0.000 χ²/NDF: 1645968.5/18
Left In: 0.000+/-0.000 χ²/NDF:1504731.5/19
+ sign 0.000+/-0.000 χ²/NDF: 5421606.5/37
All: 0.000+/-0.000 χ²/NDF: 10537955.5/76
- sign 0.000+/-0.000 χ²/NDF: 5107109.1/38



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: 0.003+/-0.009 χ^2/NDF:31.9/21

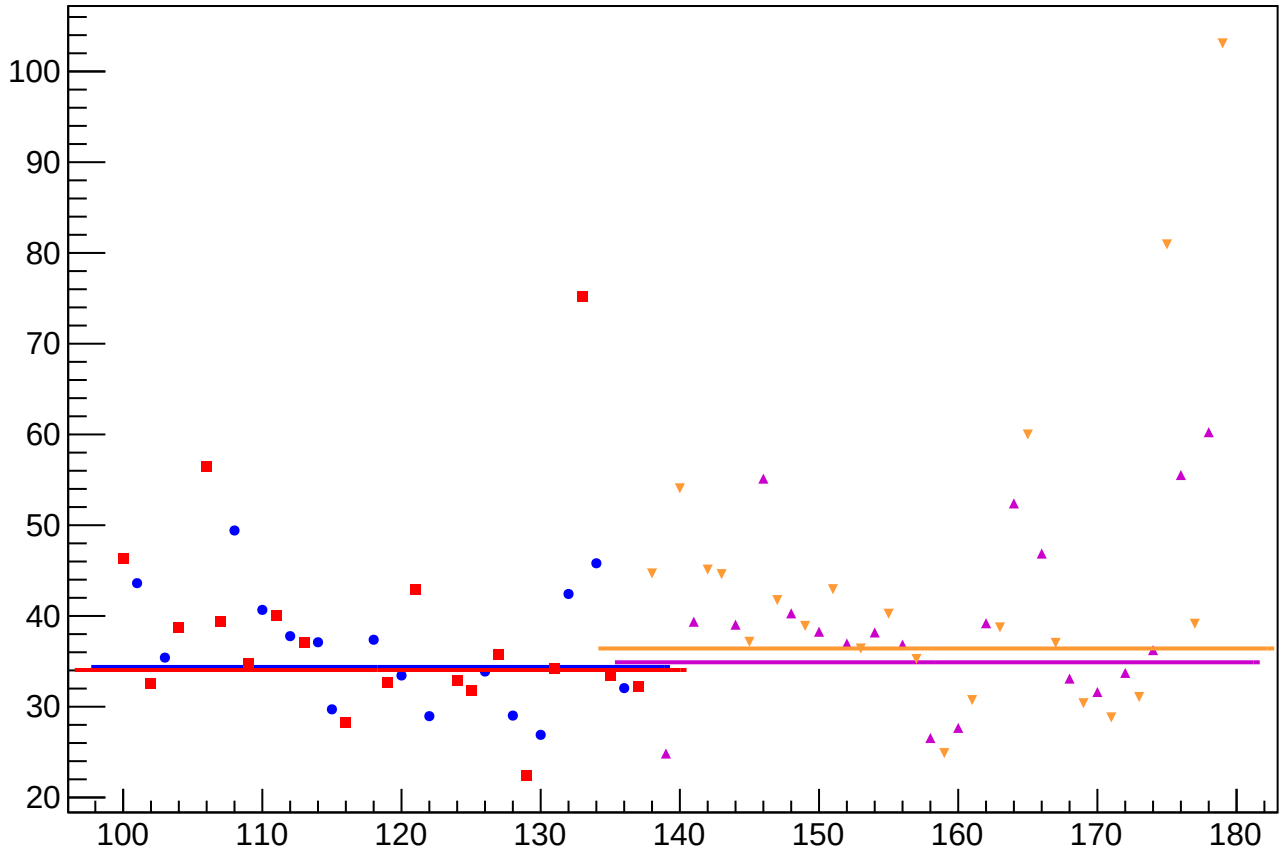
Right Out: 0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: -0.003+/-0.009 χ^2/NDF:26.9/19

+ sign 0.007+/-0.008 χ^2/NDF: 47.3/37

All: 0.004+/-0.005 χ^2/NDF: 90.2/76

- sign 0.002+/-0.008 χ^2/NDF: 42.6/38



Right In: 34.382+/-0.009 χ^2/NDF: 367883.0/15

Left Out: 36.417+/-0.007 χ^2/NDF:2246419.9/21

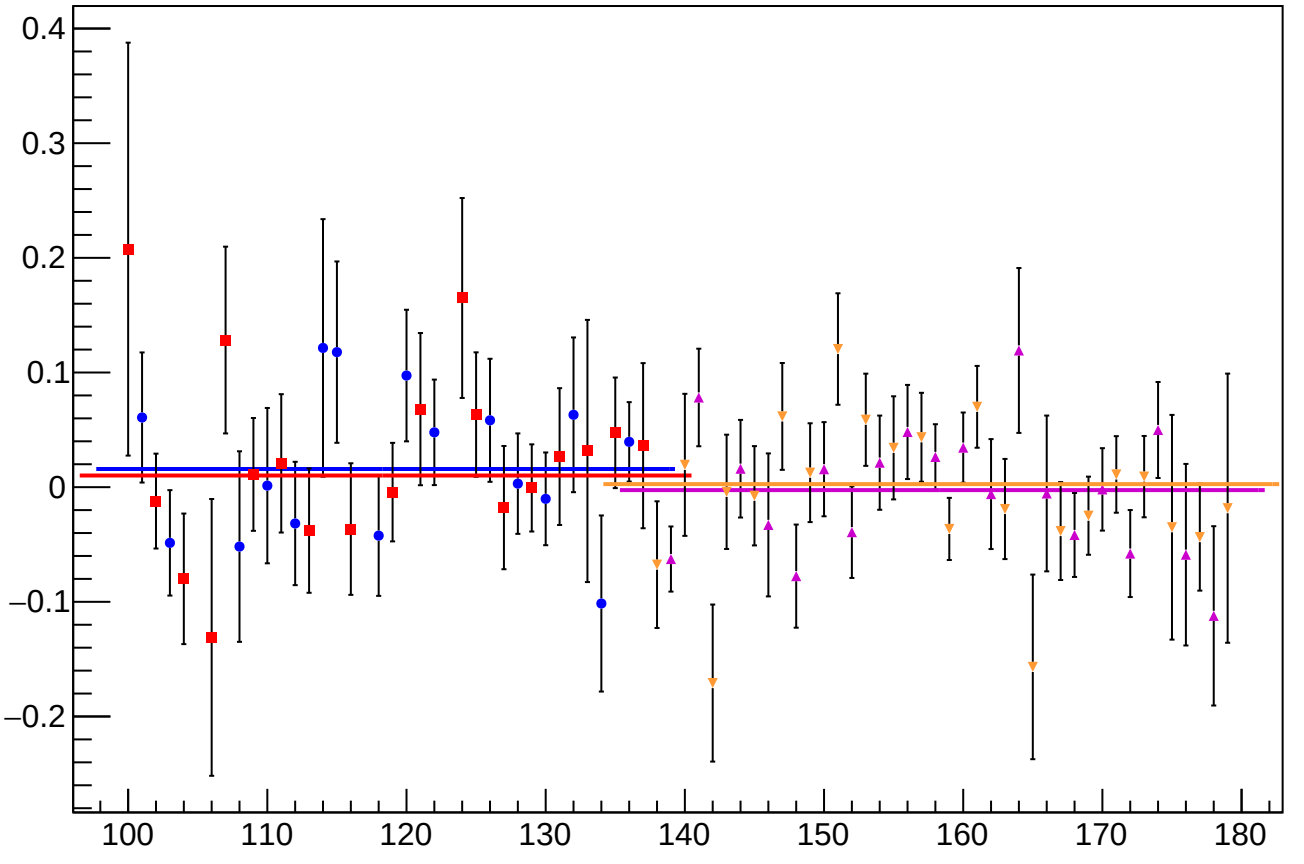
Right Out: 34.047+/-0.009 χ^2/NDF: 642697.3/18

Left In: 34.895+/-0.007 χ^2/NDF:1418054.4/19

+ sign 35.753+/-0.005 χ^2/NDF: 2645402.5/37

All: 35.178+/-0.004 χ^2/NDF: 4733978.8/76

- sign 34.617+/-0.005 χ^2/NDF: 2066285.0/38



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: 0.003+/-0.009 χ^2/NDF:31.9/21

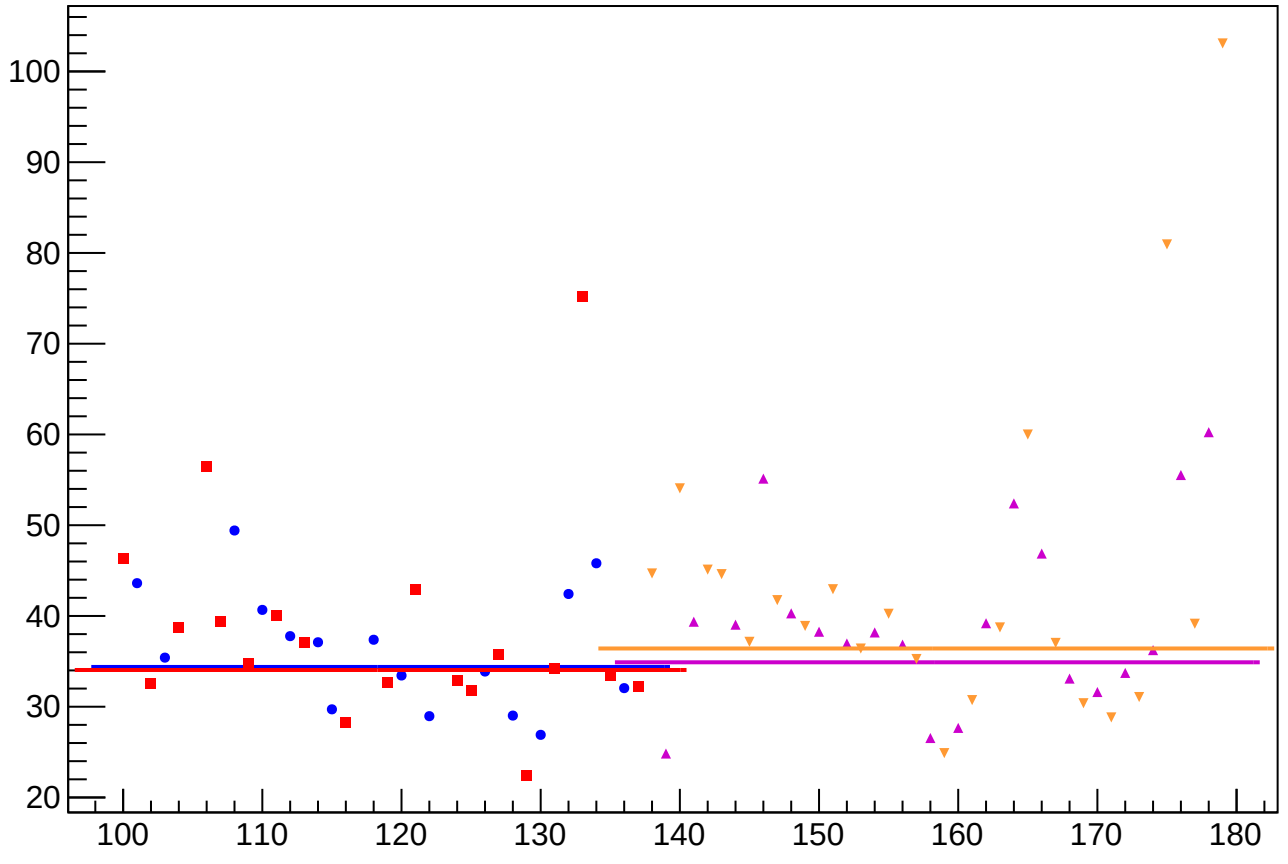
Right Out: 0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: -0.003+/-0.009 χ^2/NDF:26.9/19

+ sign 0.007+/-0.008 χ^2/NDF: 47.3/37

All: 0.004+/-0.005 χ^2/NDF: 90.2/76

- sign 0.002+/-0.008 χ^2/NDF: 42.6/38



Right In: 34.382+/-0.009 χ^2/NDF: 367883.0/15

Left Out: 36.417+/-0.007 χ^2/NDF:2246419.9/21

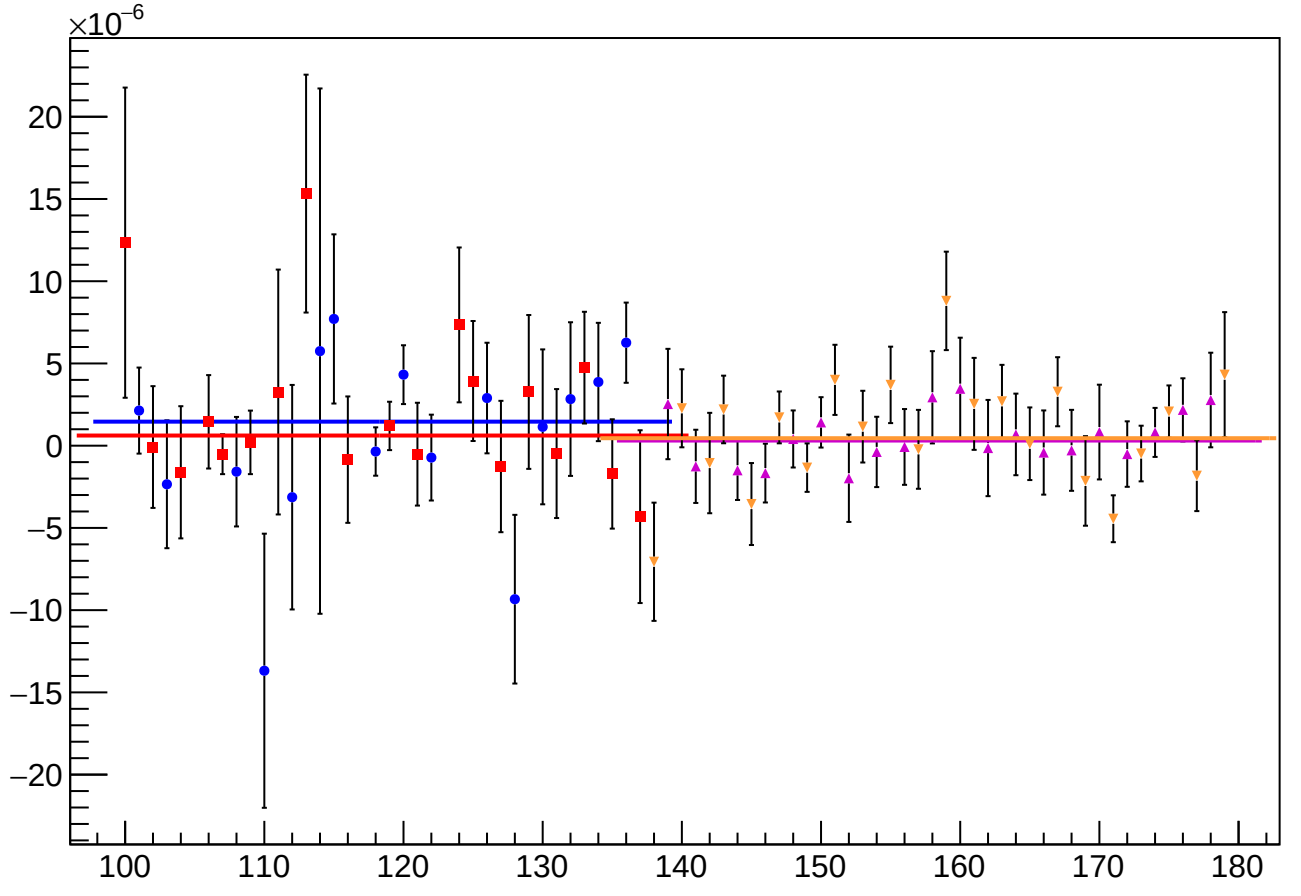
Right Out: 34.047+/-0.009 χ^2/NDF: 642697.3/18

Left In: 34.895+/-0.007 χ^2/NDF:1418054.4/19

+ sign 35.753+/-0.005 χ^2/NDF: 2645402.5/37

All: 35.178+/-0.004 χ^2/NDF: 4733978.8/76

- sign 34.617+/-0.005 χ^2/NDF: 2066285.0/38



Right In: 0.000+/-0.000 χ^2/NDF: 21.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:42.9/21

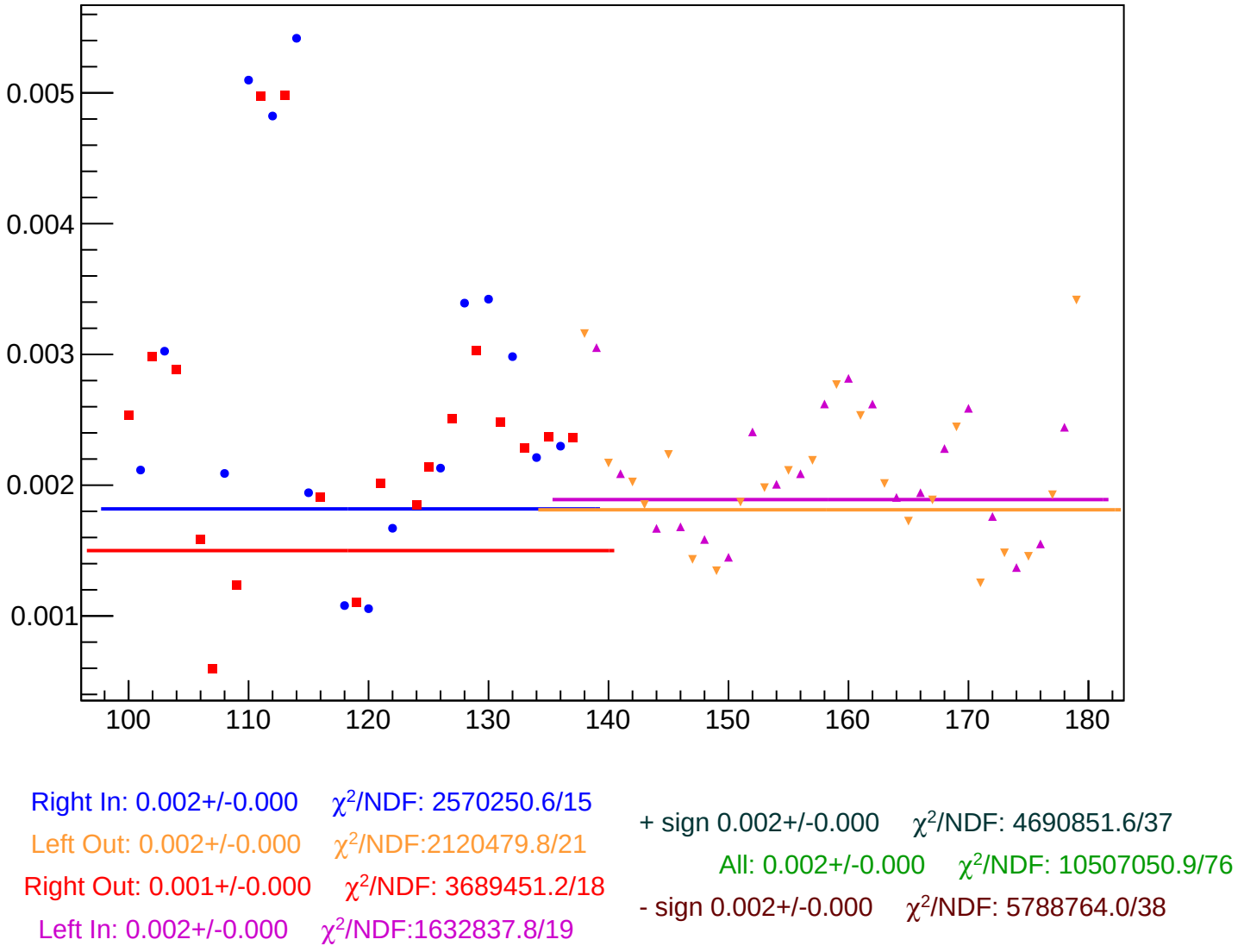
Right Out: 0.000+/-0.000 χ^2/NDF: 13.9/18

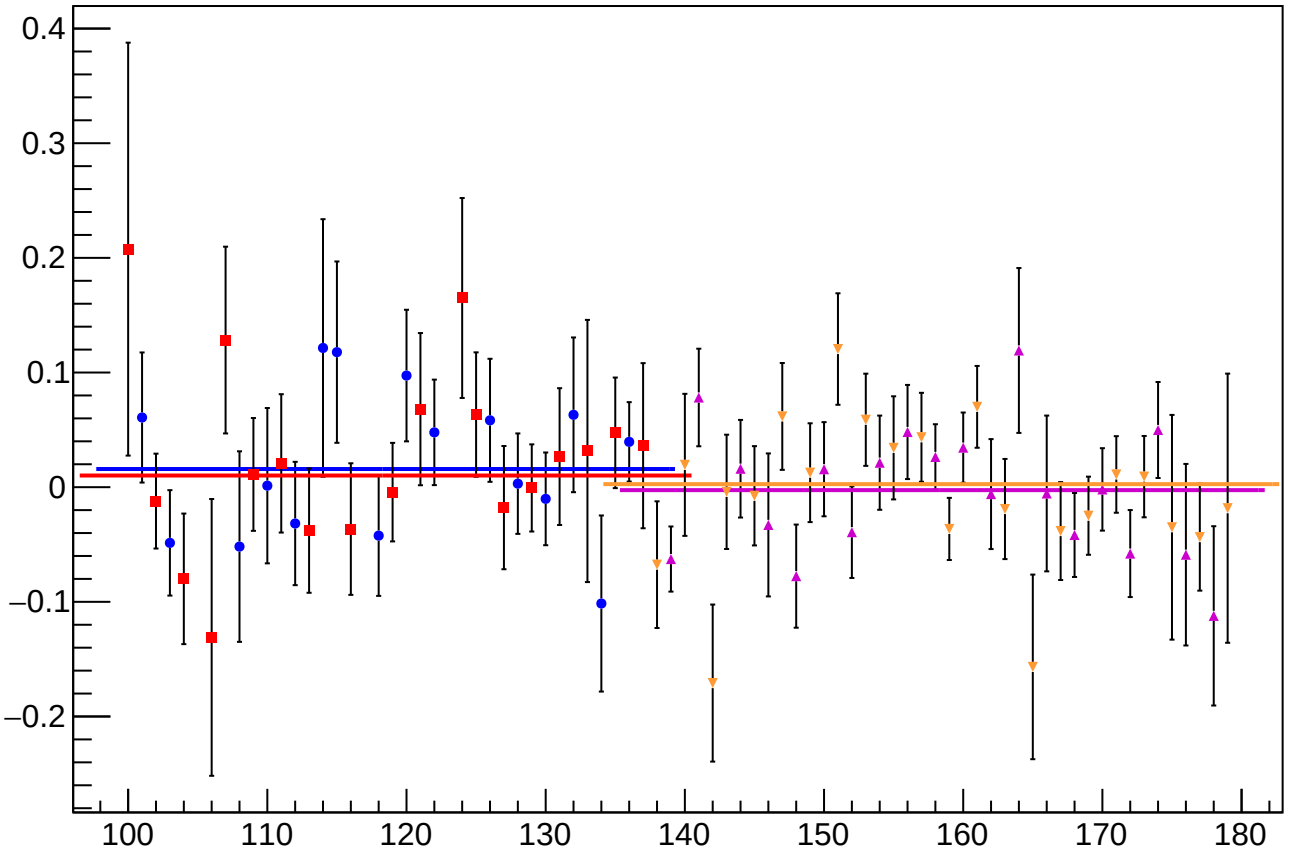
Left In: 0.000+/-0.000 χ^2/NDF:8.7/19

+ sign 0.000+/-0.000 χ^2/NDF: 65.2/37

All: 0.000+/-0.000 χ^2/NDF: 88.2/76

- sign 0.000+/-0.000 χ^2/NDF: 22.7/38


asym_sam_12345678_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.005
0.004
0.003
0.002
0.001
100
110
120
130
140
150
160
170
180
Right In: 0.002+/-0.000 χ²/NDF: 2570250.6/15
Left Out: 0.002+/-0.000 χ²/NDF:2120479.8/21
Right Out: 0.001+/-0.000 χ²/NDF: 3689451.2/18
Left In: 0.002+/-0.000 χ²/NDF:1632837.8/19
+ sign 0.002+/-0.000 χ²/NDF: 4690851.6/37
All: 0.002+/-0.000 χ²/NDF: 10507050.9/76
- sign 0.002+/-0.000 χ²/NDF: 5788764.0/38



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: 0.003+/-0.009 χ^2/NDF:31.9/21

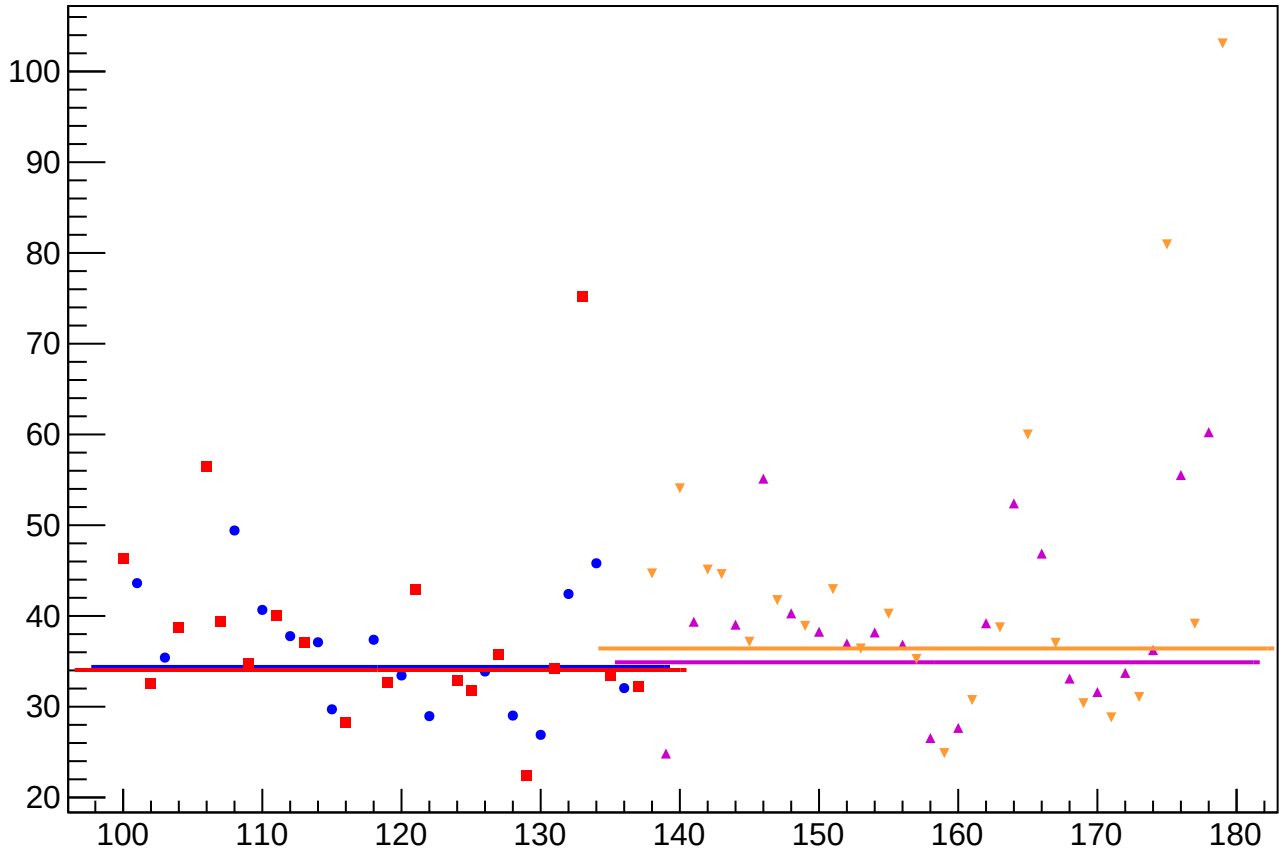
Right Out: 0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: -0.003+/-0.009 χ^2/NDF:26.9/19

+ sign 0.007+/-0.008 χ^2/NDF: 47.3/37

All: 0.004+/-0.005 χ^2/NDF: 90.2/76

- sign 0.002+/-0.008 χ^2/NDF: 42.6/38



Right In: 34.381+/-0.009 χ^2/NDF: 367940.1/15

Left Out: 36.417+/-0.007 χ^2/NDF:2246485.4/21

Right Out: 34.047+/-0.009 χ^2/NDF: 642741.5/18

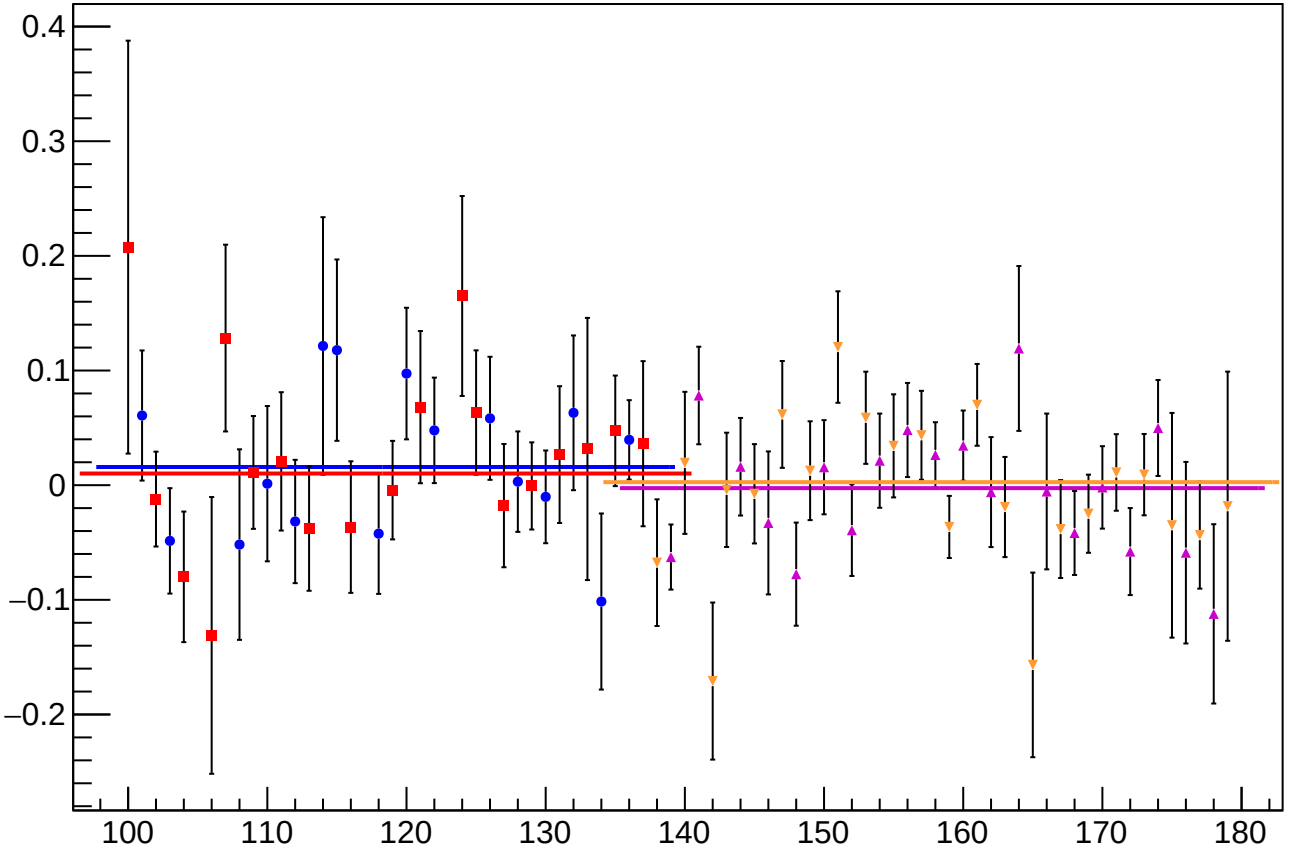
Left In: 34.895+/-0.007 χ^2/NDF:1418094.4/19

+ sign 35.753+/-0.005 χ^2/NDF: 2645554.8/37

All: 35.178+/-0.004 χ^2/NDF: 4734220.0/76

- sign 34.617+/-0.005 χ^2/NDF: 2066379.8/38

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: 0.003+/-0.009 χ^2/NDF:31.9/21

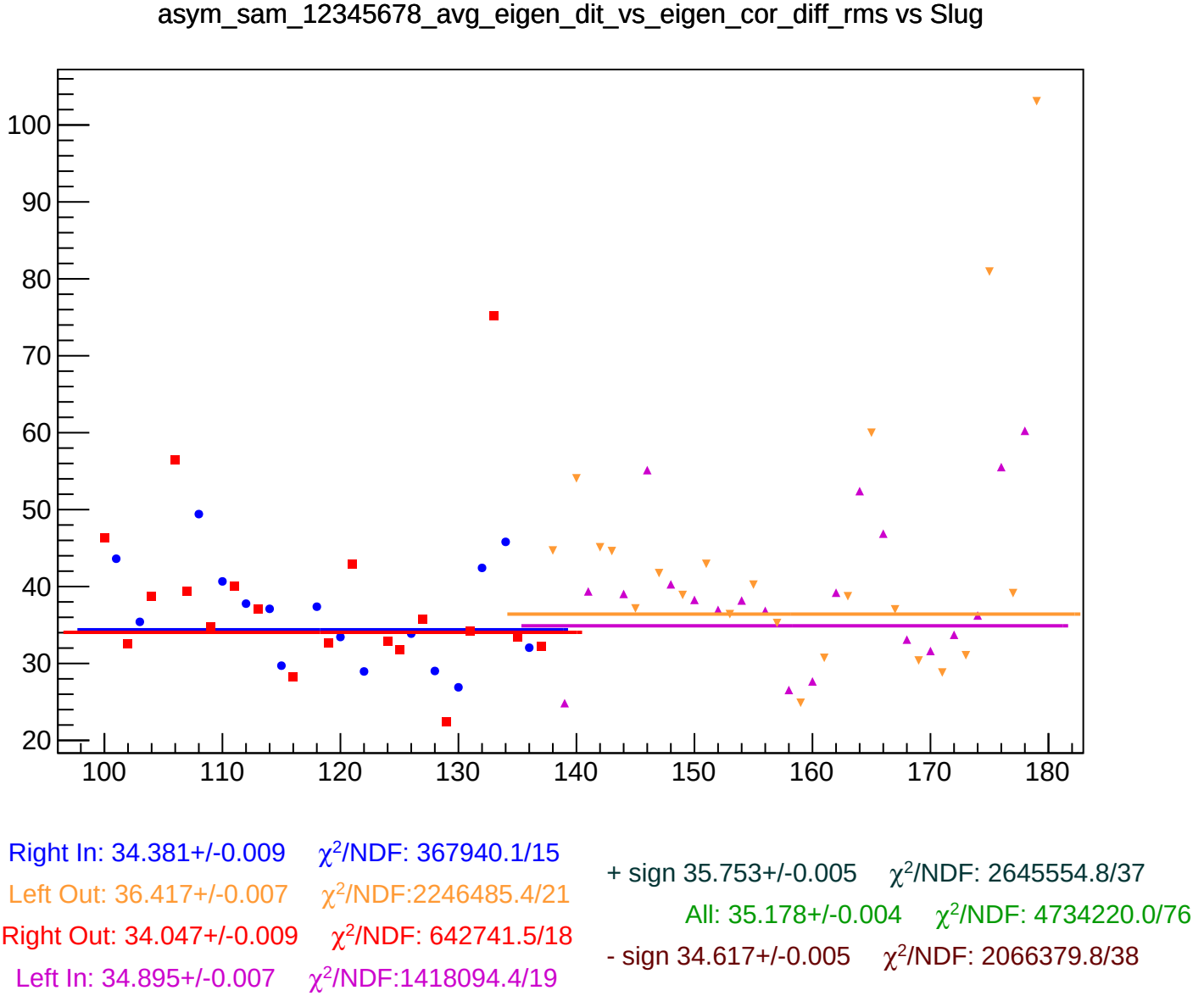
Right Out: 0.010+/-0.013 χ^2/NDF: 15.1/18

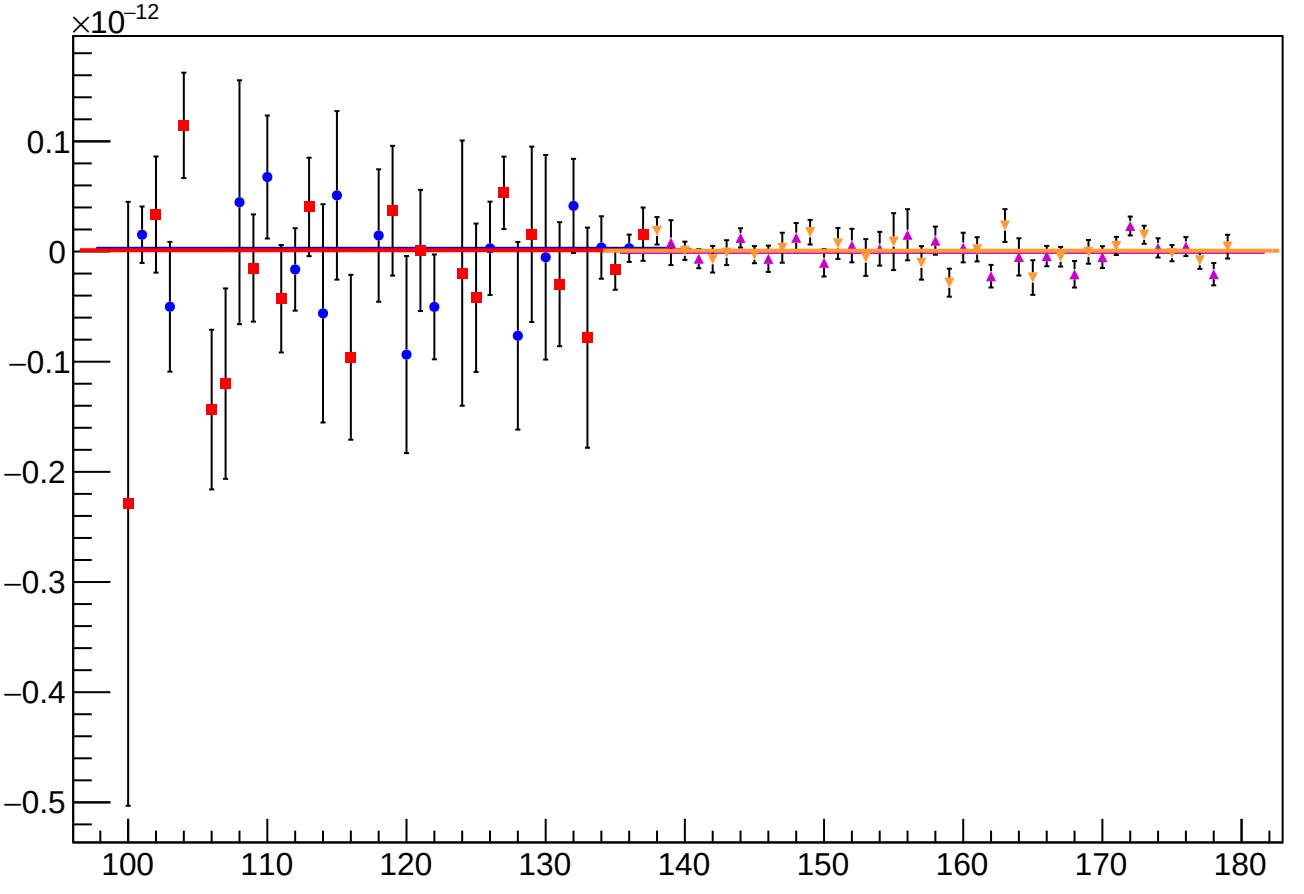
Left In: -0.003+/-0.009 χ^2/NDF:26.9/19

+ sign 0.007+/-0.008 χ^2/NDF: 47.3/37

All: 0.004+/-0.005 χ^2/NDF: 90.2/76

- sign 0.002+/-0.008 χ^2/NDF: 42.6/38


asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
100
90
80
70
60
50
40
30
20
100
110
120
130
140
150
160
170
180
Right In: 34.381+/-0.009 χ²/NDF: 367940.1/15
Left Out: 36.417+/-0.007 χ²/NDF:2246485.4/21
Right Out: 34.047+/-0.009 χ²/NDF: 642741.5/18
Left In: 34.895+/-0.007 χ²/NDF:1418094.4/19
+ sign 35.753+/-0.005 χ²/NDF: 2645554.8/37
All: 35.178+/-0.004 χ²/NDF: 4734220.0/76
- sign 34.617+/-0.005 χ²/NDF: 2066379.8/38



Right In: 0.000+/-0.000 χ^2/NDF: 7.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:21.2/21

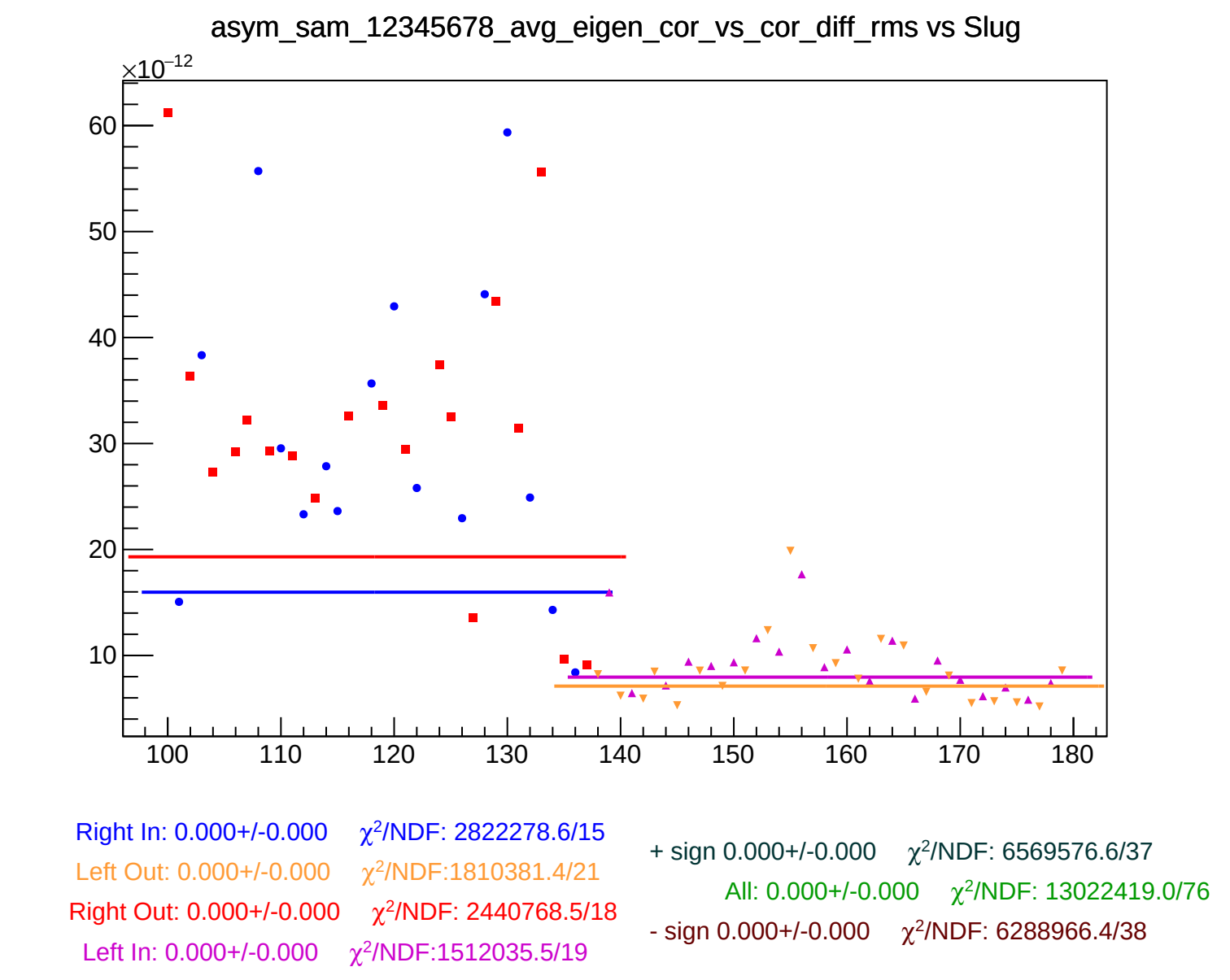
Right Out: 0.000+/-0.000 χ^2/NDF: 21.5/18

Left In: -0.000+/-0.000 χ^2/NDF:25.9/19

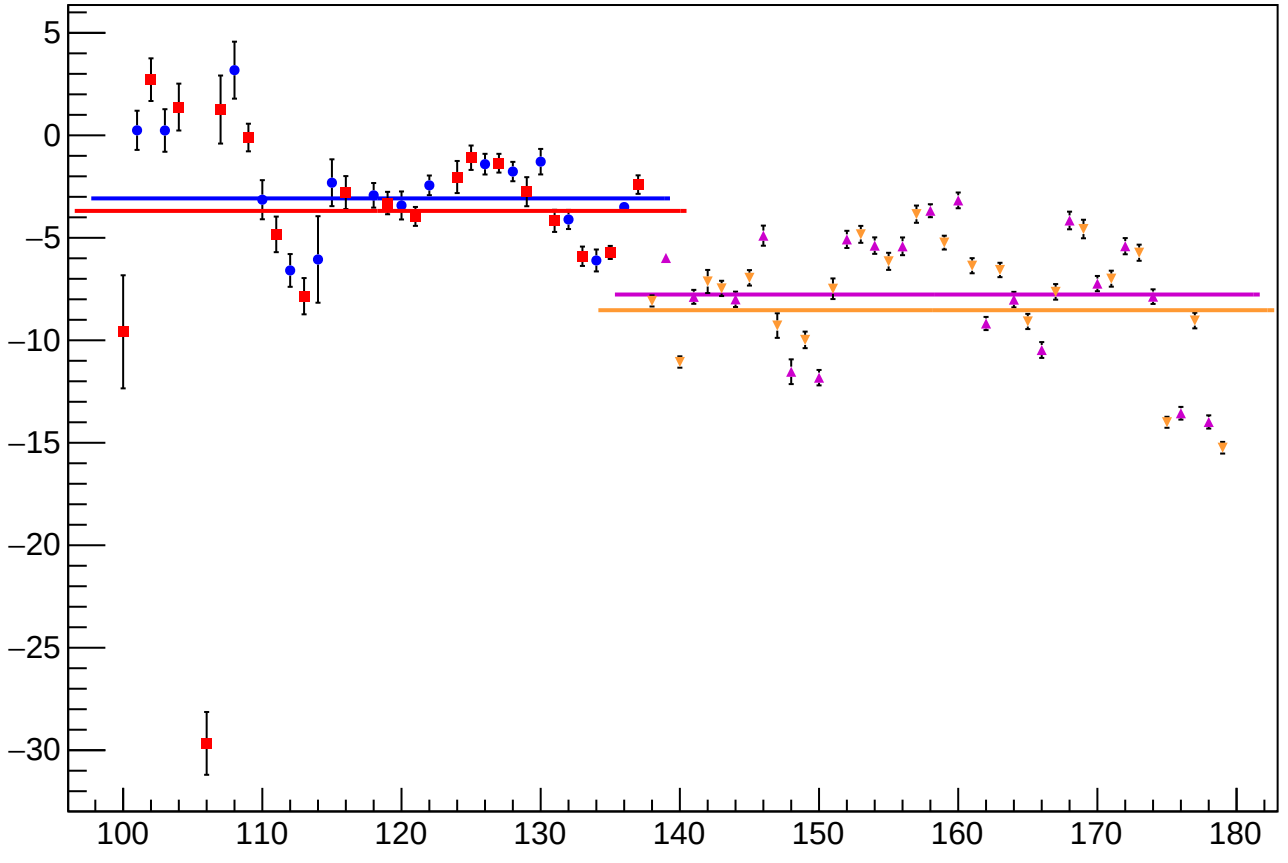
+ sign 0.000+/-0.000 χ^2/NDF: 28.9/37

All: 0.000+/-0.000 χ^2/NDF: 76.5/76

- sign -0.000+/-0.000 χ^2/NDF: 47.5/38


asym_sam_12345678_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
60
50
40
30
20
10
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2822278.6/15
Left Out: 0.000+/-0.000 χ²/NDF:1810381.4/21
Right Out: 0.000+/-0.000 χ²/NDF: 2440768.5/18
Left In: 0.000+/-0.000 χ²/NDF:1512035.5/19
+ sign 0.000+/-0.000 χ²/NDF: 6569576.6/37
All: 0.000+/-0.000 χ²/NDF: 13022419.0/76
- sign 0.000+/-0.000 χ²/NDF: 6288966.4/38

reg_asym_sam1_diff_bpm1X_slope vs Slug



Right In: -3.077+/-0.135 χ^2/NDF: 133.8/15

Left Out: -8.532+/-0.078 χ^2/NDF:1658.2/21

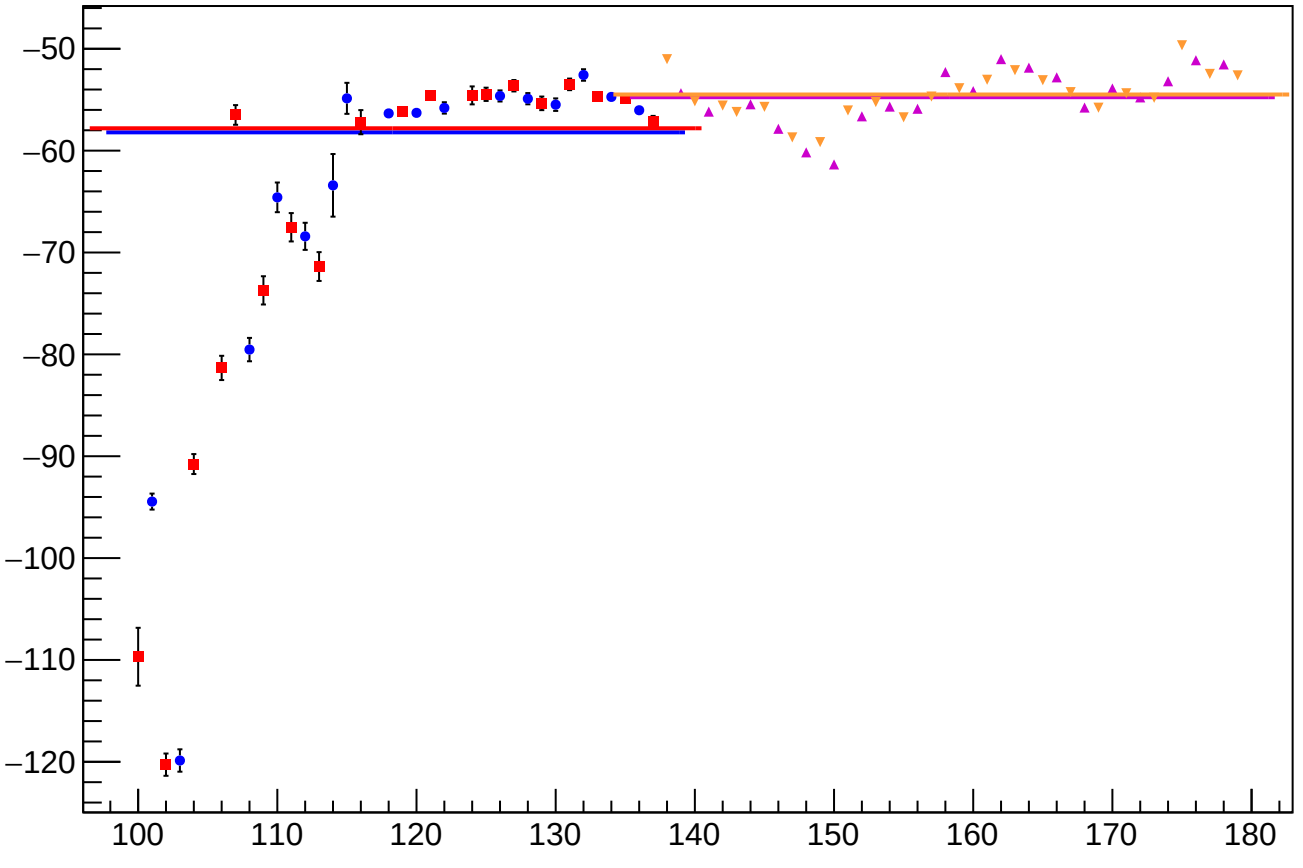
Right Out: -3.687+/-0.140 χ^2/NDF: 534.8/18

Left In: -7.767+/-0.081 χ^2/NDF:1558.0/19

+ sign -7.165+/-0.068 χ^2/NDF: 3011.4/37

All: -6.960+/-0.049 χ^2/NDF: 5756.7/76

- sign -6.740+/-0.070 χ^2/NDF: 2726.5/38



Right In: -58.204+/-0.136 χ^2/NDF: 6126.9/15

Left Out: -54.489+/-0.060 χ^2/NDF:1463.2/21

Right Out: -57.804+/-0.138 χ^2/NDF: 5792.7/18

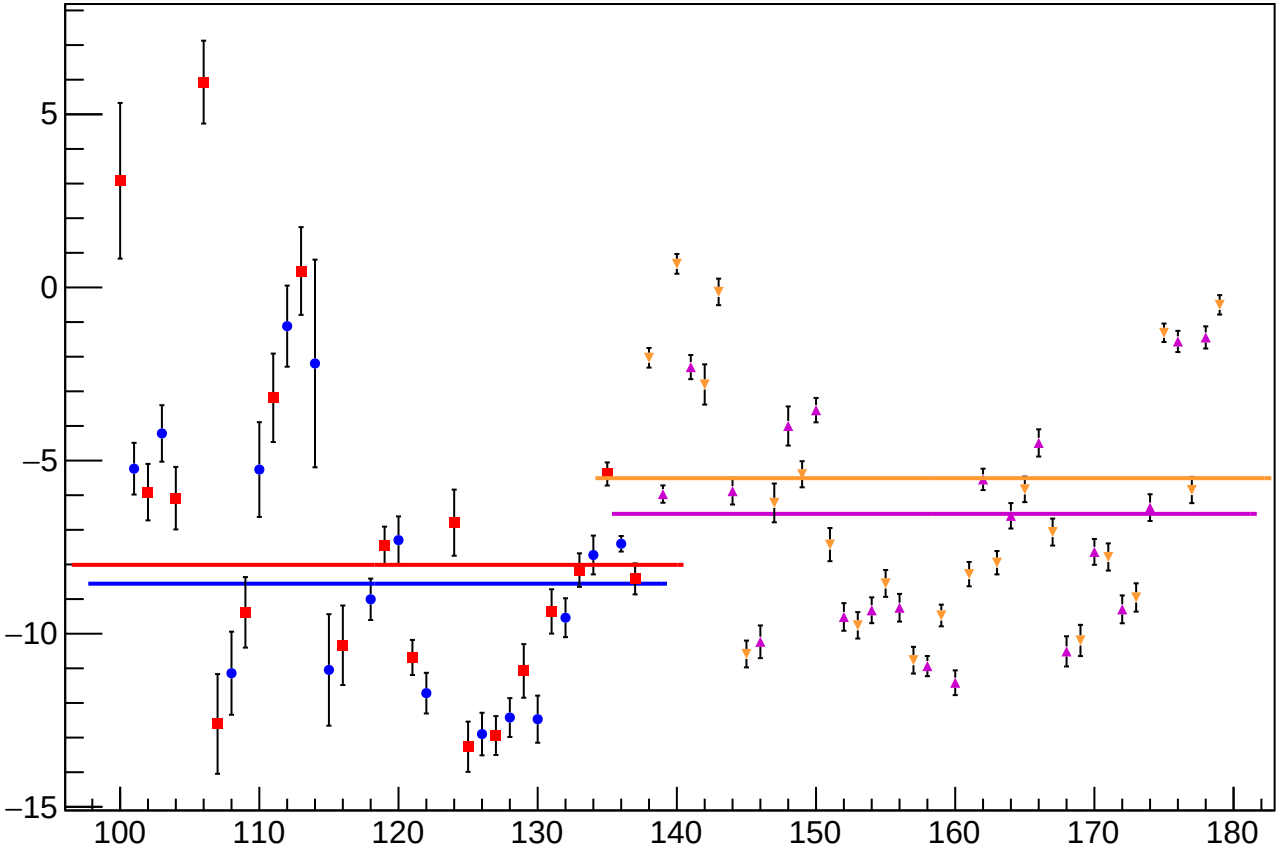
Left In: -54.754+/-0.063 χ^2/NDF:2045.9/19

+ sign -55.092+/-0.055 χ^2/NDF: 8219.2/37

All: -55.181+/-0.040 χ^2/NDF: 16464.8/76

- sign -55.280+/-0.058 χ^2/NDF: 8239.9/38

reg_asym_sam1_diff_bpm4eX_slope vs Slug



Right In: -8.555+/-0.145 χ^2/NDF: 300.7/15

Left Out: -5.508+/-0.077 χ^2/NDF:2471.1/21

Right Out: -8.011+/-0.153 χ^2/NDF: 489.3/18

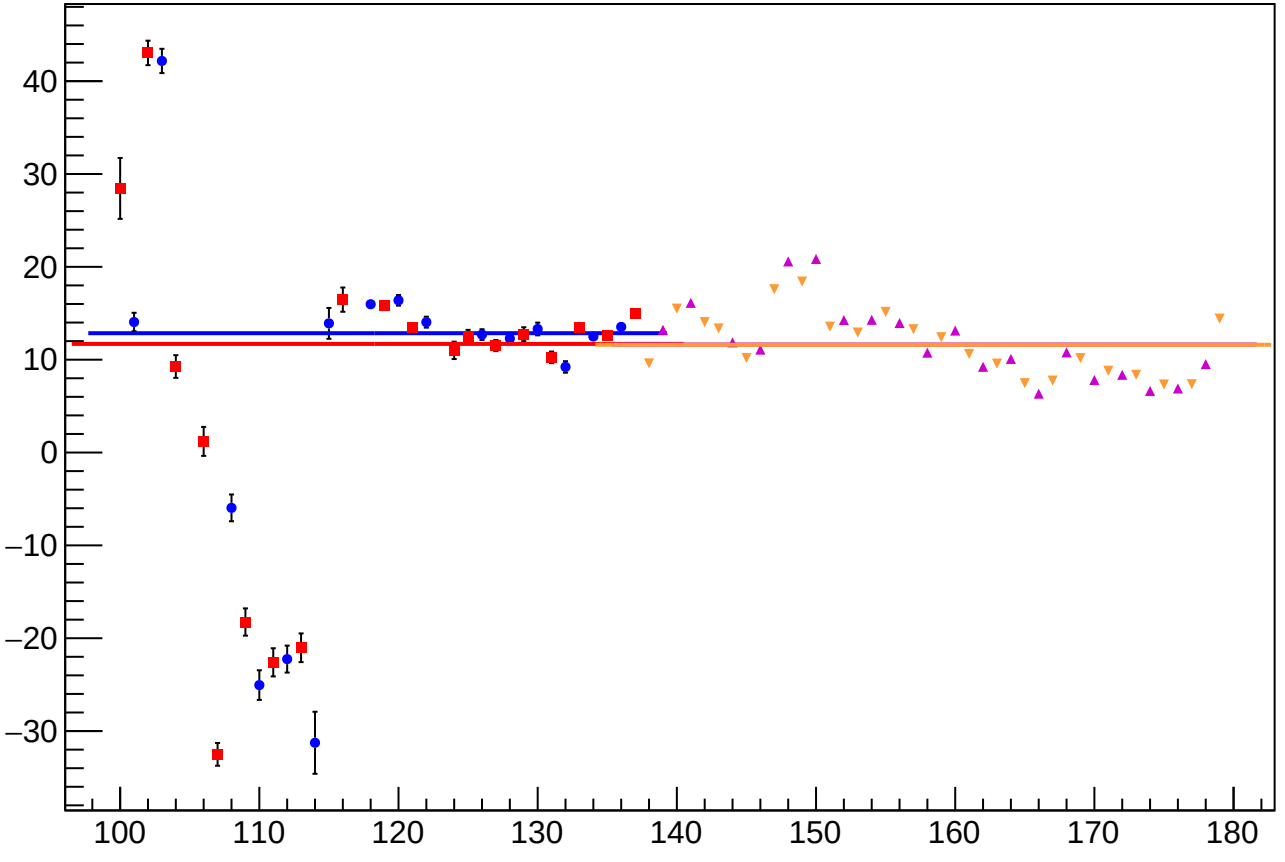
Left In: -6.539+/-0.080 χ^2/NDF:1575.0/19

+ sign -6.182+/-0.068 χ^2/NDF: 3117.1/37

All: -6.505+/-0.049 χ^2/NDF: 5301.2/76

- sign -6.856+/-0.071 χ^2/NDF: 2137.1/38

reg_asym_sam1_diff_bpm4eY_slope vs Slug



Right In: 12.853+/-0.150 χ^2/NDF: 2128.4/15

Left Out: 11.611+/-0.067 χ^2/NDF:2311.2/21

Right Out: 11.699+/-0.155 χ^2/NDF: 3498.8/18

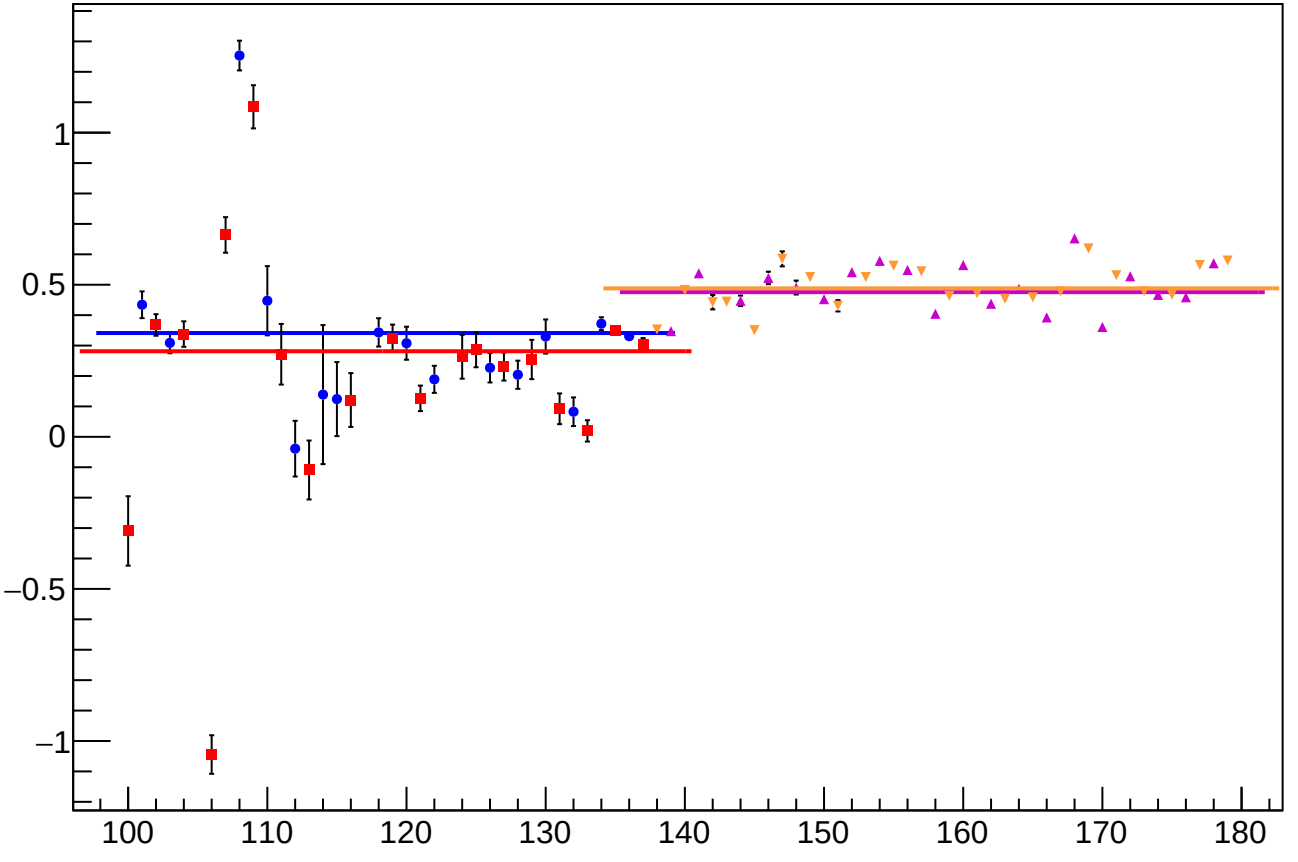
Left In: 11.635+/-0.070 χ^2/NDF:3081.5/19

+ sign 11.816+/-0.061 χ^2/NDF: 4496.6/37

All: 11.735+/-0.044 χ^2/NDF: 11080.7/76

- sign 11.646+/-0.064 χ^2/NDF: 6580.4/38

reg_asym_sam1_diff_bpm12X_slope vs Slug



Right In: 0.341+/-0.008 χ^2/NDF: 434.8/15

Left Out: 0.488+/-0.003 χ^2/NDF:523.7/21

Right Out: 0.281+/-0.008 χ^2/NDF: 777.6/18

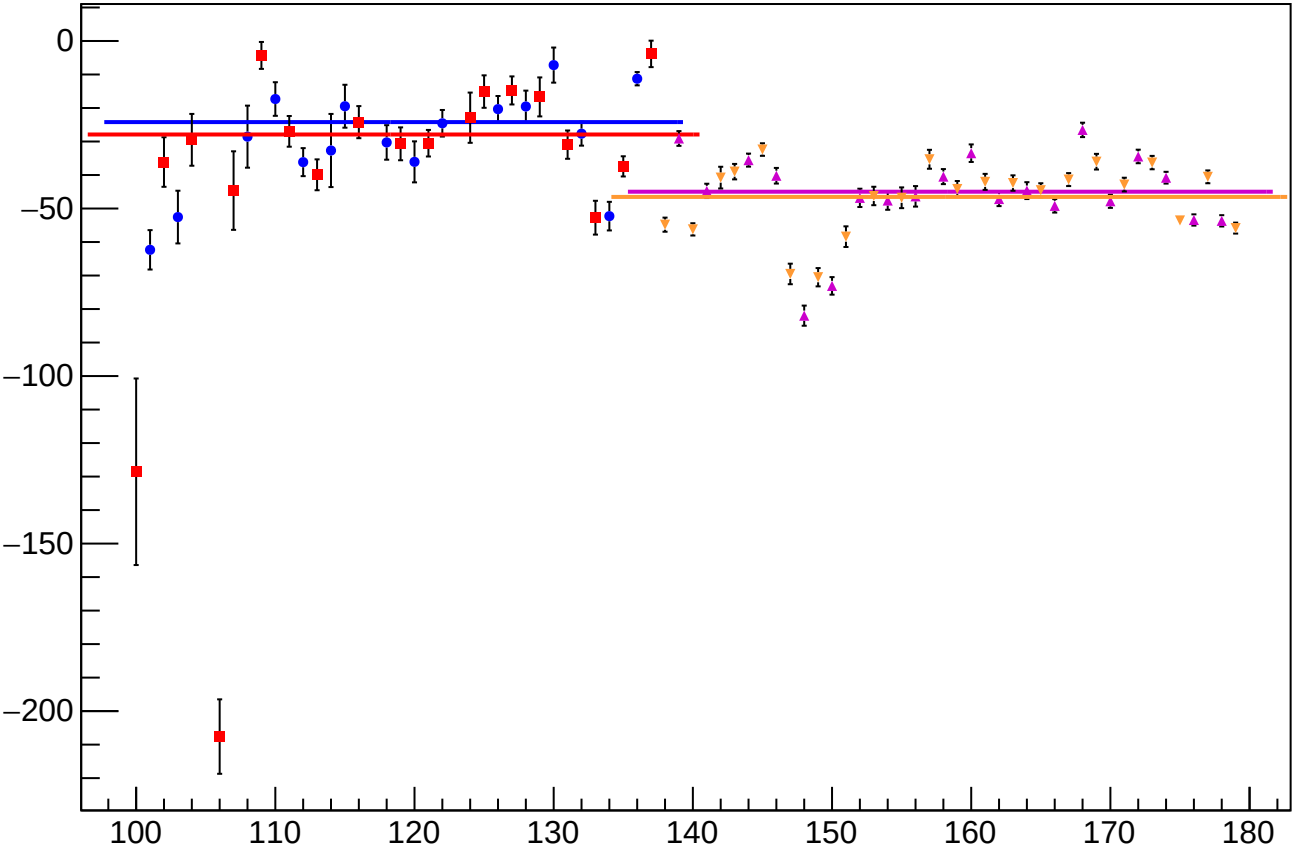
Left In: 0.476+/-0.003 χ^2/NDF:773.7/19

+ sign 0.470+/-0.003 χ^2/NDF: 1264.0/37

All: 0.462+/-0.002 χ^2/NDF: 3300.2/76

- sign 0.454+/-0.003 χ^2/NDF: 2020.1/38

reg_asym_sam2_diff_bpm1X_slope vs Slug



Right In: -24.205+/-1.086 χ^2/NDF: 170.7/15

Left Out: -46.539+/-0.467 χ^2/NDF:407.5/21

Right Out: -27.906+/-1.137 χ^2/NDF: 413.4/18

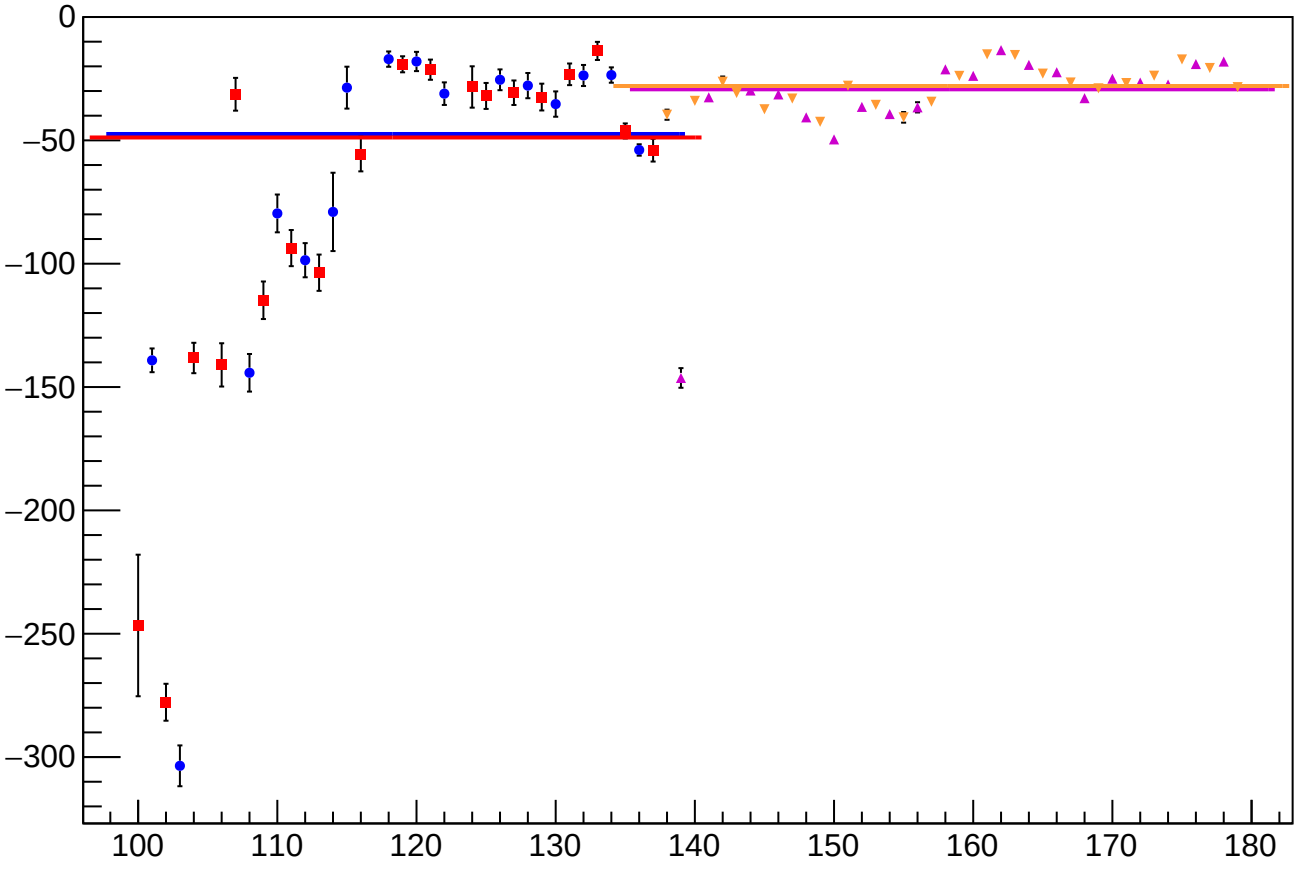
Left In: -44.982+/-0.487 χ^2/NDF:536.9/19

+ sign -43.061+/-0.429 χ^2/NDF: 935.0/37

All: -42.714+/-0.310 χ^2/NDF: 2077.3/76

- sign -42.336+/-0.448 χ^2/NDF: 1140.9/38

reg_asym_sam2_diff_bpm4aY_slope vs Slug



Right In: -47.421+/-1.101 χ^2/NDF: 1873.5/15

Left Out: -27.971+/-0.349 χ^2/NDF:462.4/21

Right Out: -48.831+/-1.182 χ^2/NDF: 1774.6/18

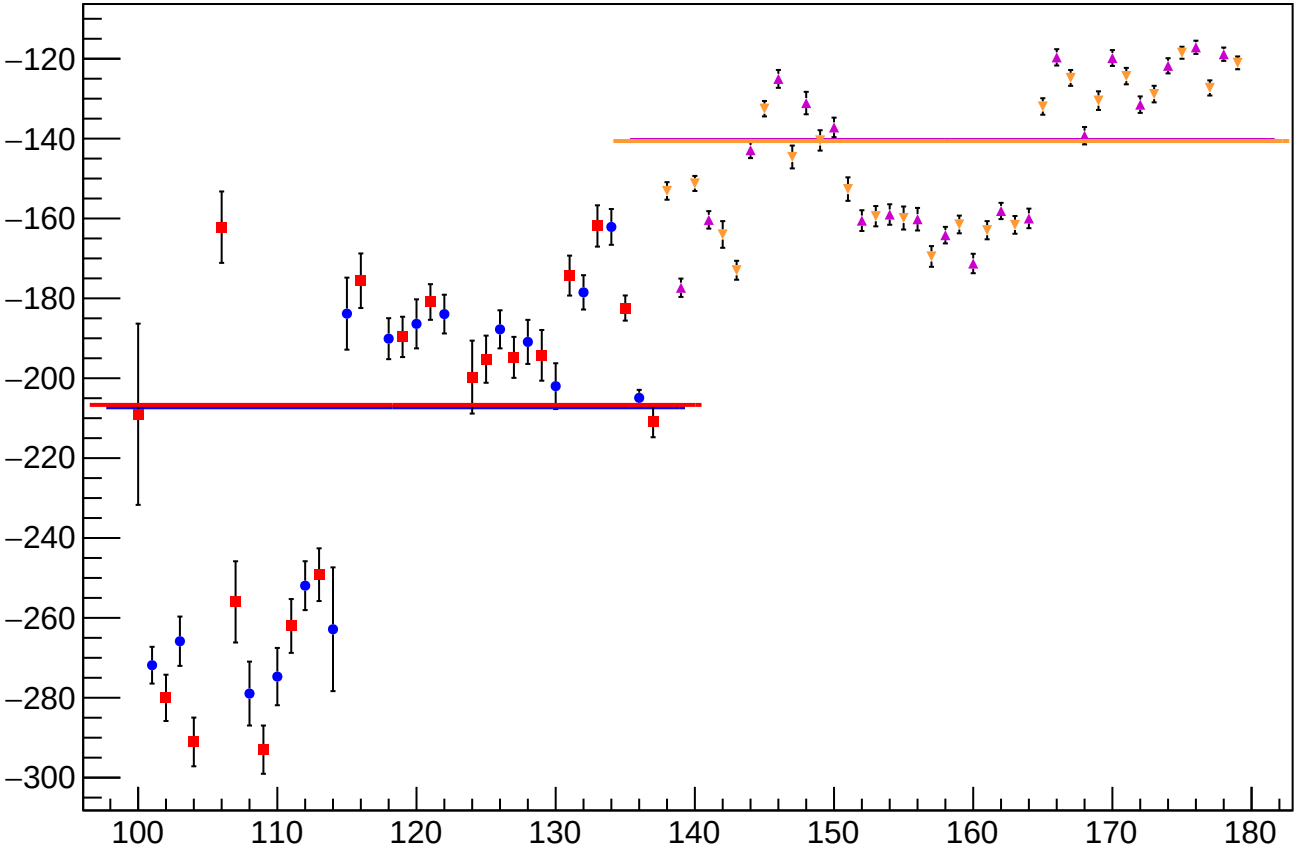
Left In: -29.312+/-0.366 χ^2/NDF:1422.3/19

+ sign -29.749+/-0.333 χ^2/NDF: 2619.5/37

All: -30.353+/-0.241 χ^2/NDF: 6072.0/76

- sign -31.019+/-0.350 χ^2/NDF: 3445.6/38

reg_asym_sam2_diff_bpm4eX_slope vs Slug



Right In: -207.266+/-1.178 χ^2/NDF: 748.5/15

Left Out: -140.604+/-0.462 χ^2/NDF:1441.1/21

Right Out: -206.673+/-1.279 χ^2/NDF: 969.4/18

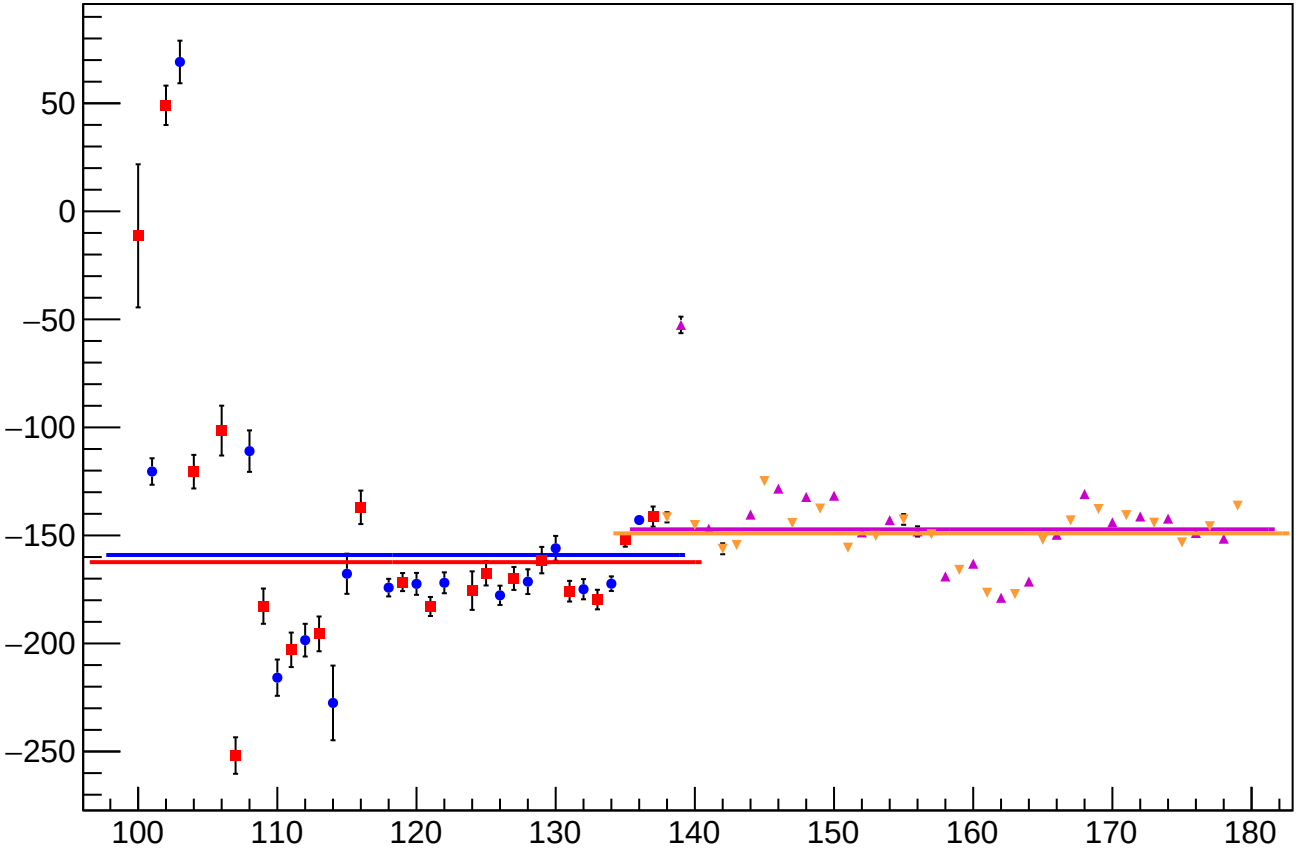
Left In: -140.352+/-0.482 χ^2/NDF:1684.6/19

+ sign -149.488+/-0.430 χ^2/NDF: 4963.6/37

All: -149.056+/-0.311 χ^2/NDF: 9973.2/76

- sign -148.583+/-0.451 χ^2/NDF: 5007.5/38

reg_asym_sam2_diff_bpm4eY_slope vs Slug



Right In: -159.048+/-1.225 χ^2/NDF: 815.8/15

Left Out: -149.053+/-0.393 χ^2/NDF:1063.5/21

Right Out: -162.370+/-1.324 χ^2/NDF: 872.6/18

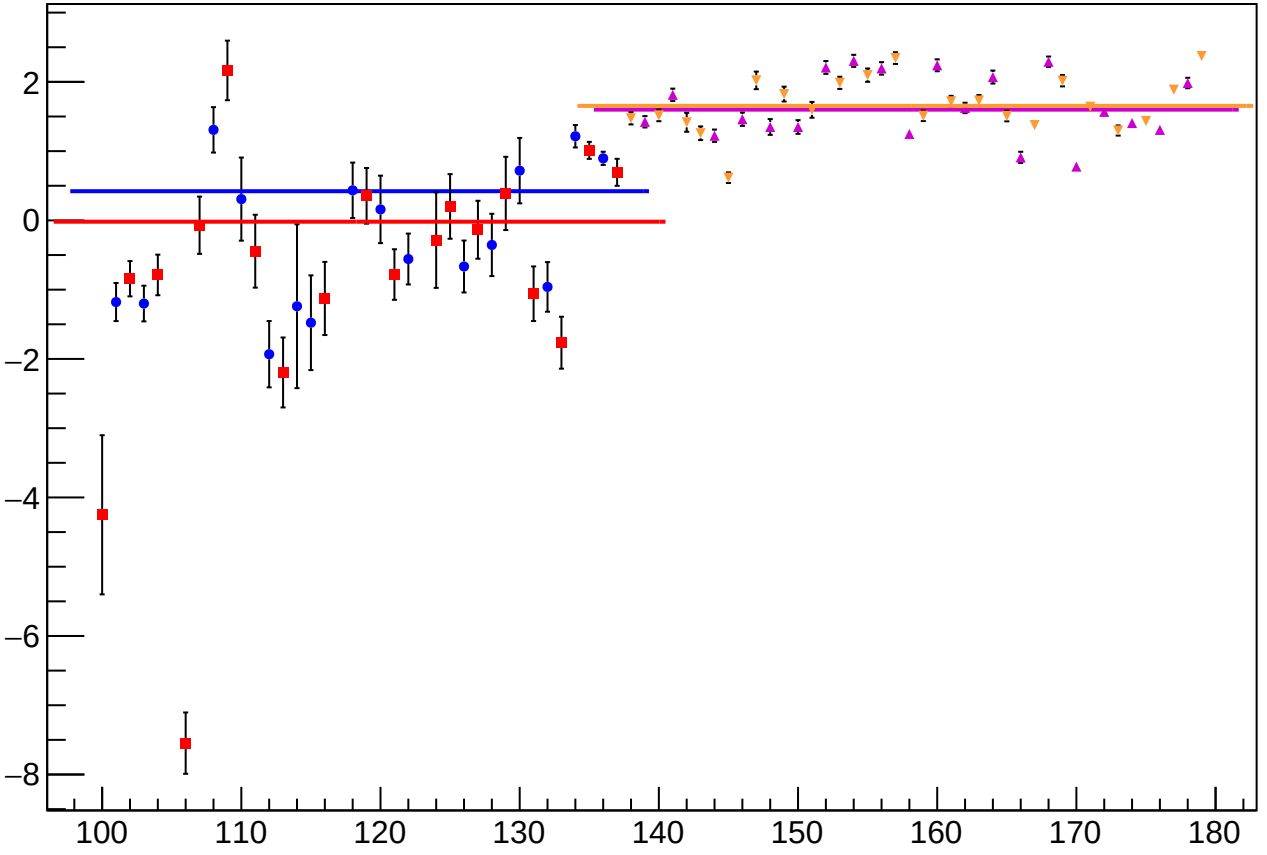
Left In: -147.187+/-0.411 χ^2/NDF:1720.1/19

+ sign -149.986+/-0.374 χ^2/NDF: 1939.5/37

All: -149.286+/-0.271 χ^2/NDF: 4659.5/76

- sign -148.519+/-0.392 χ^2/NDF: 2712.6/38

reg_asym_sam2_diff_bpm12X_slope vs Slug



Right In: 0.421+/-0.065 χ^2/NDF: 197.6/15

Left Out: 1.654+/-0.018 χ^2/NDF:512.8/21

Right Out: -0.019+/-0.072 χ^2/NDF: 488.2/18

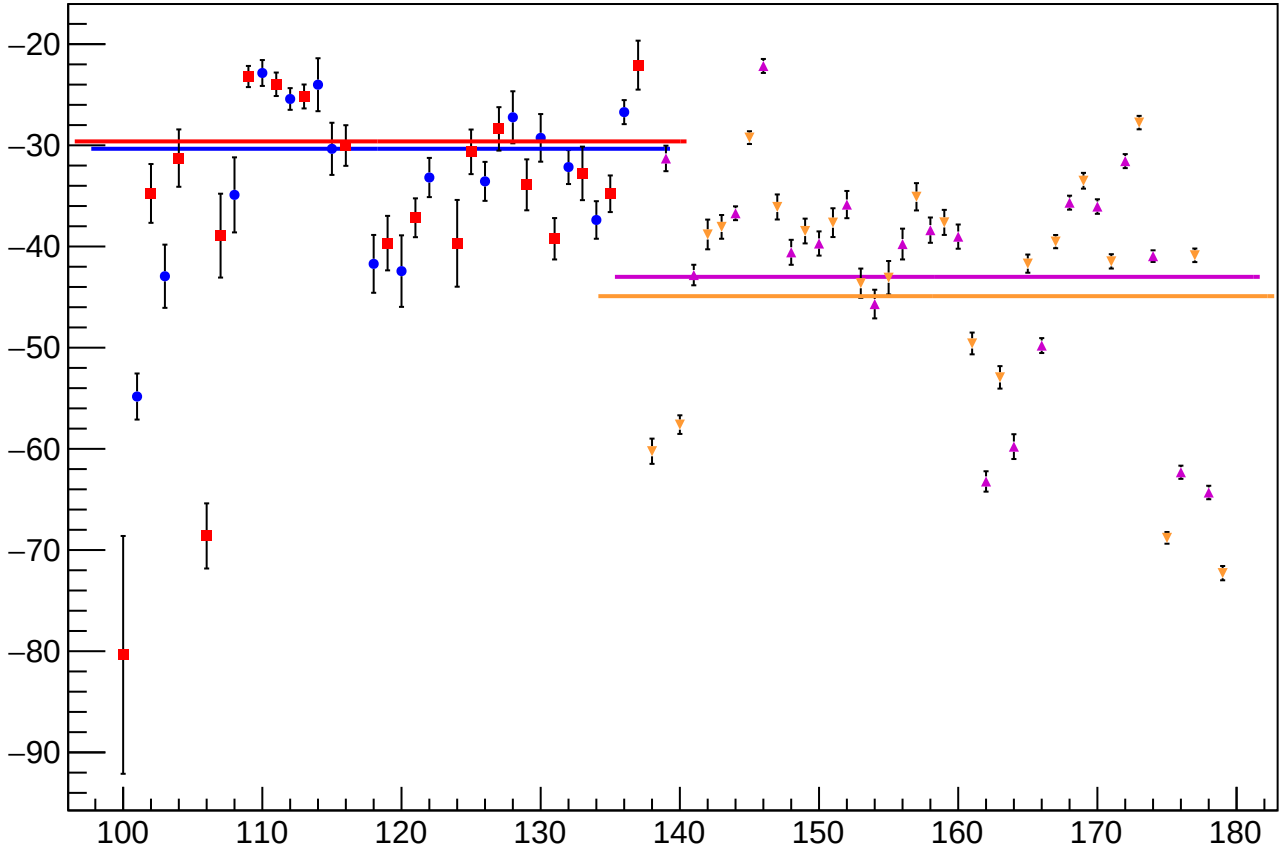
Left In: 1.599+/-0.018 χ^2/NDF:653.1/19

+ sign 1.568+/-0.017 χ^2/NDF: 1046.8/37

All: 1.537+/-0.012 χ^2/NDF: 2666.1/76

- sign 1.504+/-0.018 χ^2/NDF: 1612.4/38

reg_asym_sam3_diff_bpm1X_slope vs Slug



Right In: -30.341+/-0.468 χ^2/NDF: 253.6/15

Left Out: -44.909+/-0.190 χ^2/NDF:5512.6/21

Right Out: -29.613+/-0.450 χ^2/NDF: 329.2/18

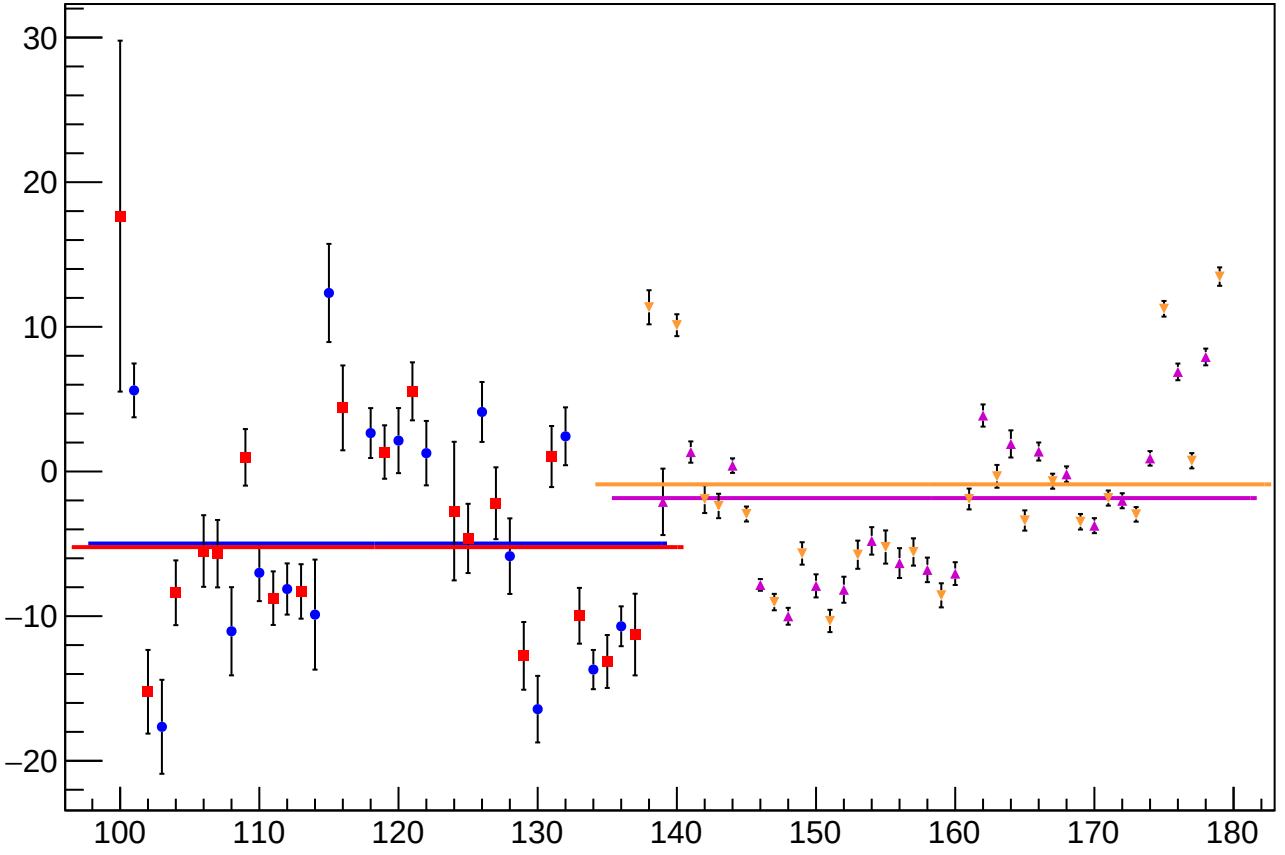
Left In: -42.999+/-0.192 χ^2/NDF:4218.6/19

+ sign -42.850+/-0.176 χ^2/NDF: 6598.7/37

All: -41.901+/-0.125 χ^2/NDF: 11952.6/76

- sign -40.947+/-0.176 χ^2/NDF: 5295.5/38

reg_asym_sam3_diff_bpm4aY_slope vs Slug



Right In: -4.980+/-0.510 χ^2/NDF: 237.3/15

Left Out: -0.887+/-0.142 χ^2/NDF:1957.3/21

Right Out: -5.228+/-0.524 χ^2/NDF: 136.5/18

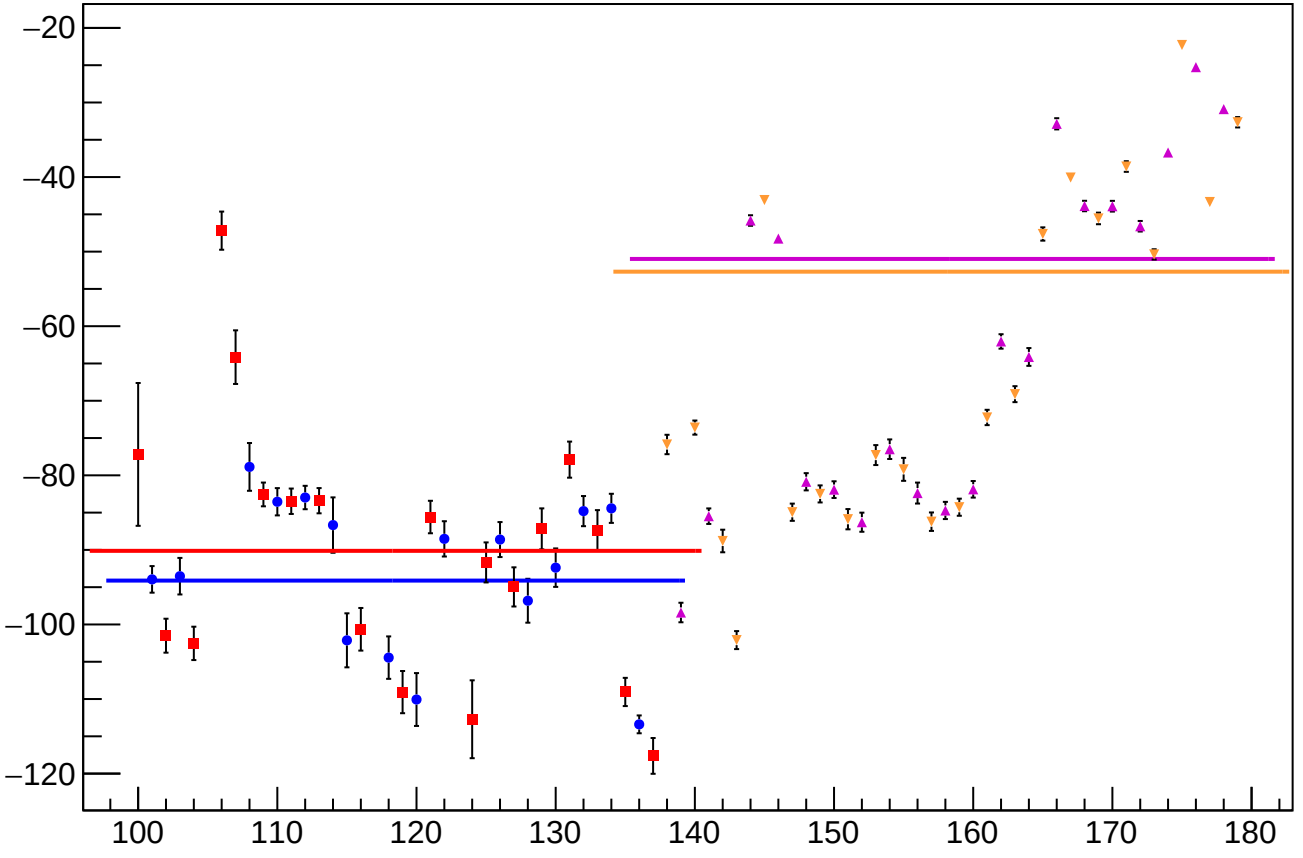
Left In: -1.838+/-0.143 χ^2/NDF:1333.2/19

+ sign -1.184+/-0.137 χ^2/NDF: 2254.4/37

All: -1.627+/-0.097 χ^2/NDF: 3784.0/76

- sign -2.073+/-0.138 χ^2/NDF: 1508.7/38

reg_asym_sam3_diff_bpm4eX_slope vs Slug



Right In: -94.115+/-0.537 χ^2/NDF: 466.8/15

Left Out: -52.688+/-0.189 χ^2/NDF:12723.3/21

Right Out: -90.127+/-0.543 χ^2/NDF: 789.3/18

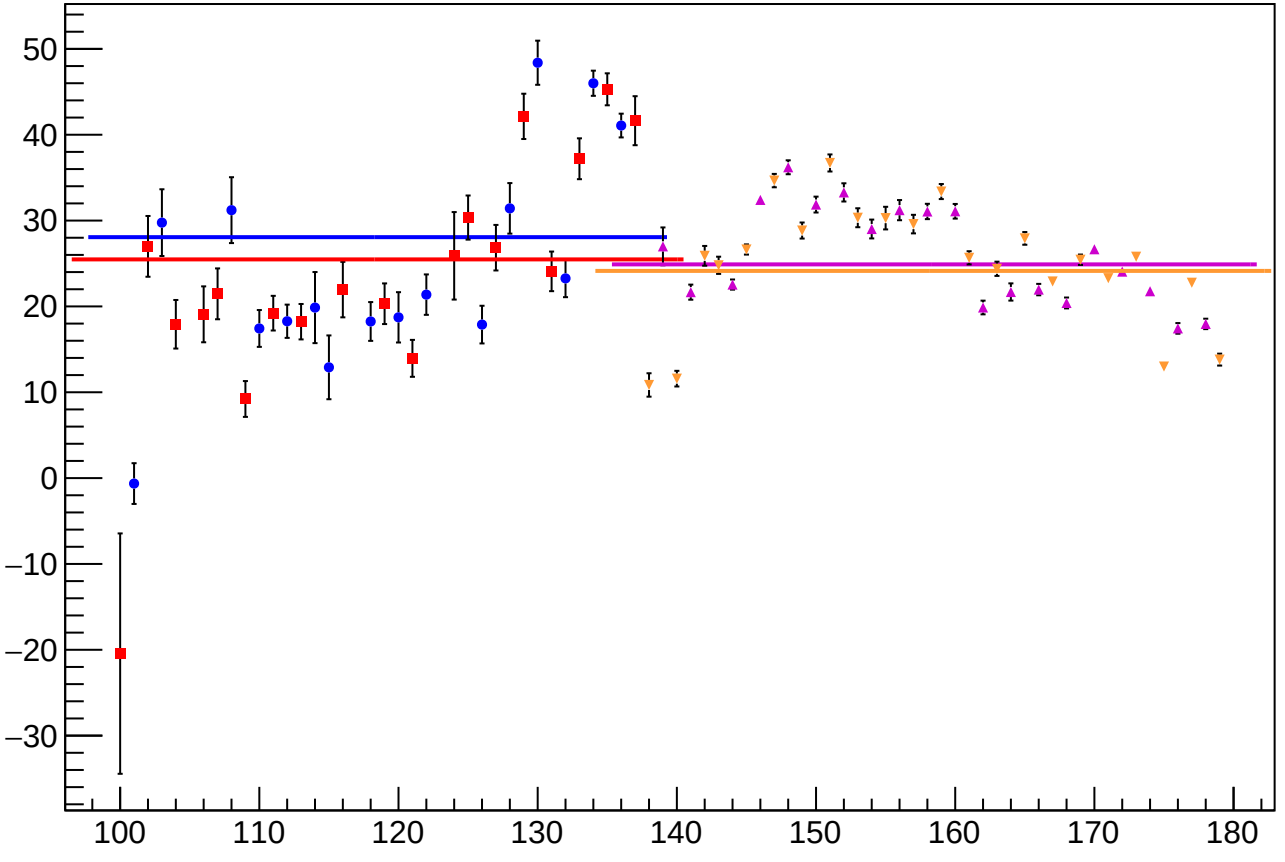
Left In: -50.981+/-0.191 χ^2/NDF:11288.5/19

+ sign -57.255+/-0.178 χ^2/NDF: 18485.0/37

All: -56.288+/-0.127 χ^2/NDF: 35247.3/76

- sign -55.299+/-0.180 χ^2/NDF: 16702.9/38

reg_asym_sam3_diff_bpm4eY_slope vs Slug



Right In: 28.068+/-0.569 χ^2/NDF: 583.1/15

Left Out: 24.137+/-0.160 χ^2/NDF:1525.3/21

Right Out: 25.477+/-0.590 χ^2/NDF: 354.6/18

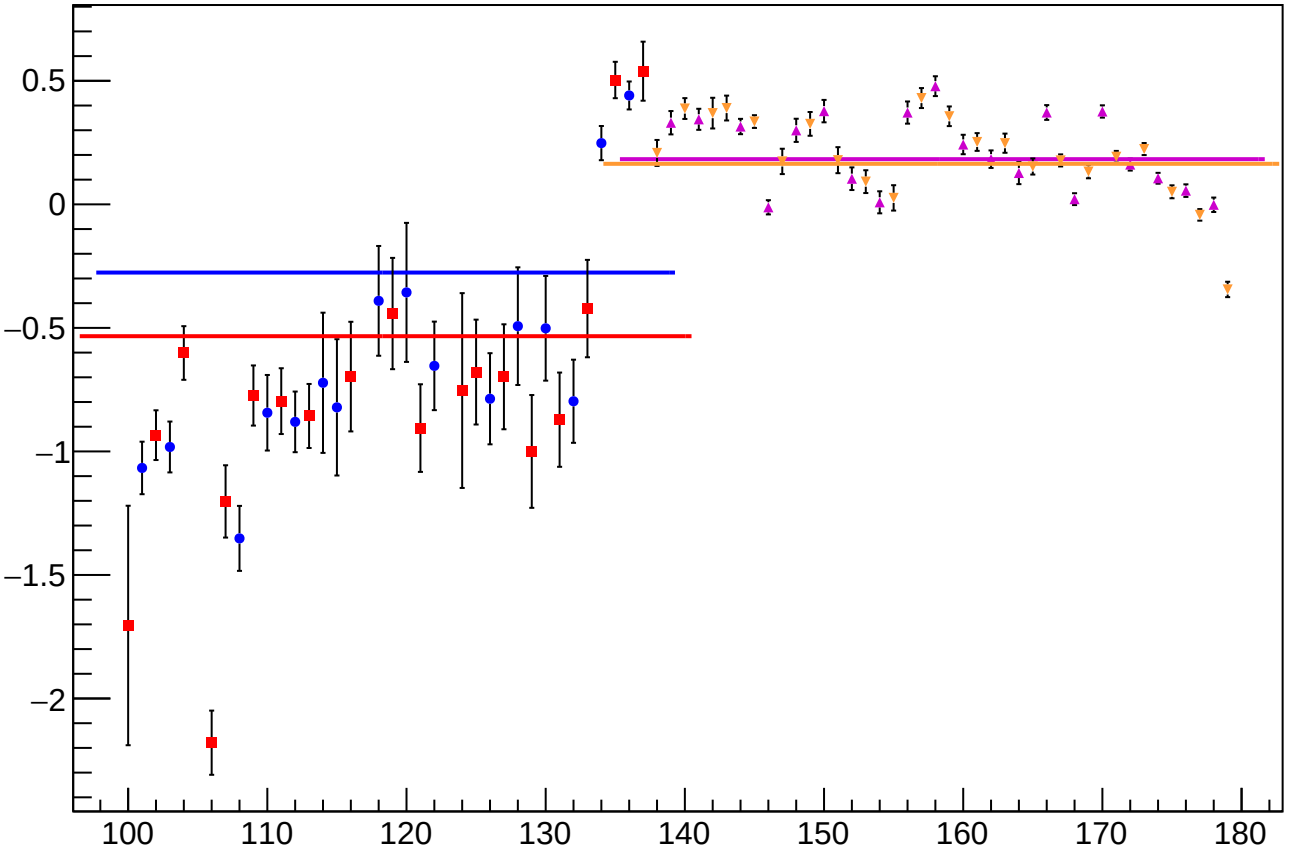
Left In: 24.897+/-0.161 χ^2/NDF:1145.5/19

+ sign 24.425+/-0.154 χ^2/NDF: 2152.6/37

All: 24.678+/-0.109 χ^2/NDF: 3659.1/76

- sign 24.937+/-0.156 χ^2/NDF: 1501.0/38

reg_asym_sam3_diff_bpm12X_slope vs Slug



Right In: -0.276+/-0.031 χ^2/NDF: 455.6/15

Left Out: 0.164+/-0.007 χ^2/NDF:574.3/21

Right Out: -0.534+/-0.033 χ^2/NDF: 510.3/18

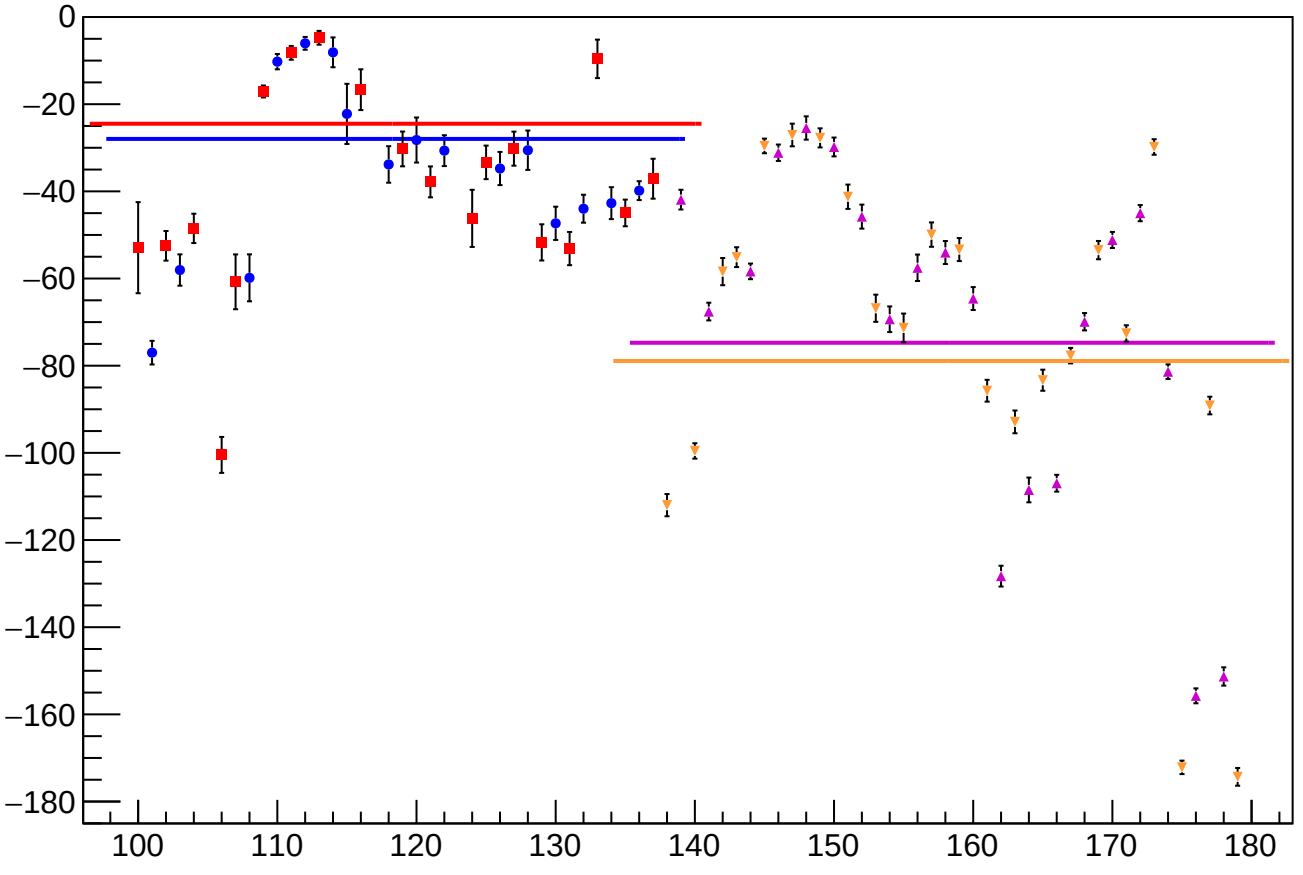
Left In: 0.183+/-0.007 χ^2/NDF:429.7/19

+ sign 0.141+/-0.007 χ^2/NDF: 1225.5/37

All: 0.145+/-0.005 χ^2/NDF: 2620.1/76

- sign 0.150+/-0.007 χ^2/NDF: 1393.8/38

reg_asym_sam4_diff_bpm1X_slope vs Slug



Right In: -27.967+/-0.728 χ^2/NDF: 894.7/15

Left Out: -78.914+/-0.466 χ^2/NDF:9486.2/21

Right Out: -24.485+/-0.663 χ^2/NDF: 989.7/18

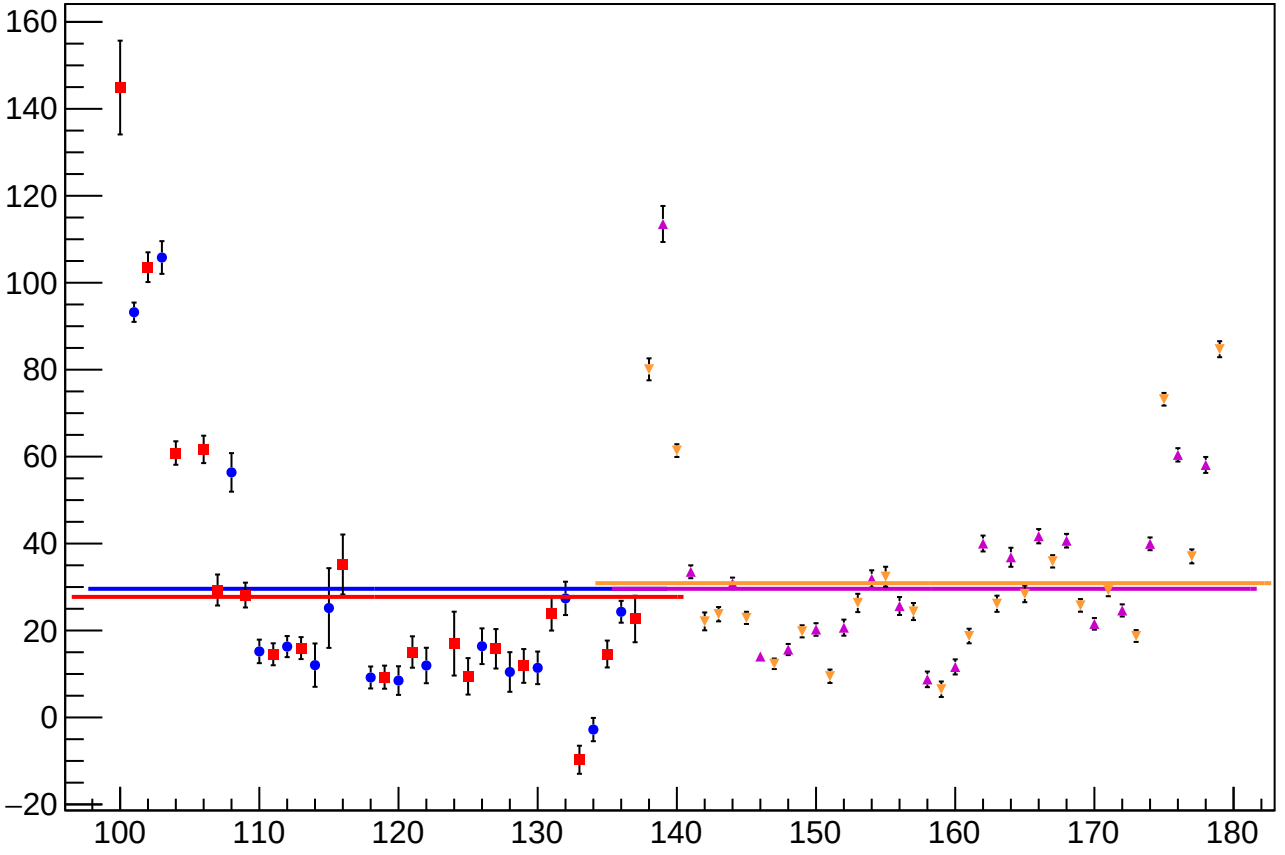
Left In: -74.737+/-0.479 χ^2/NDF:6765.4/19

+ sign -64.087+/-0.393 χ^2/NDF: 13857.0/37

All: -60.753+/-0.276 χ^2/NDF: 25529.6/76

- sign -57.490+/-0.388 χ^2/NDF: 11529.8/38

reg_asym_sam4_diff_bpm4aY_slope vs Slug



Right In: 29.594+/-0.807 χ^2/NDF: 1665.7/15

Left Out: 30.893+/-0.344 χ^2/NDF:3448.6/21

Right Out: 27.736+/-0.797 χ^2/NDF: 1185.1/18

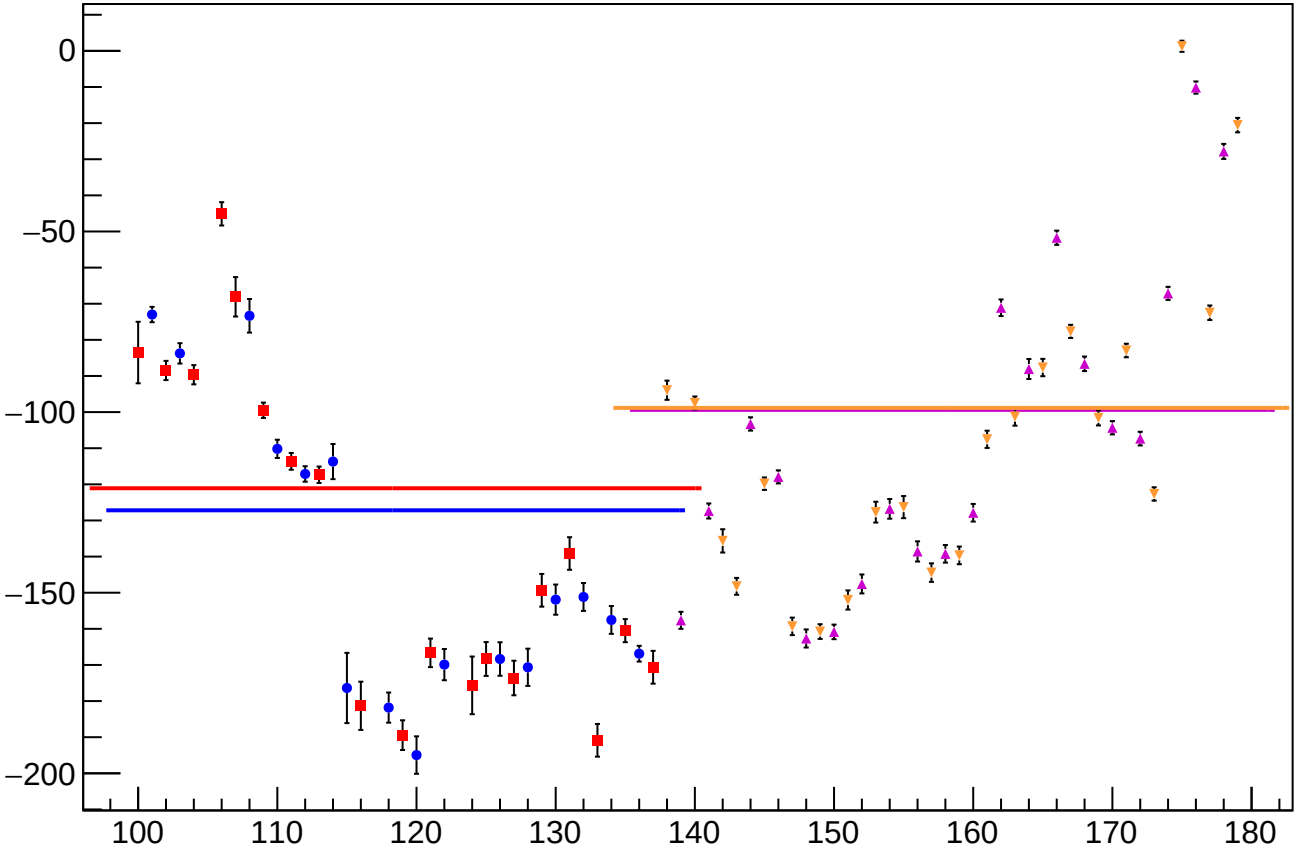
Left In: 29.589+/-0.356 χ^2/NDF:1919.4/19

+ sign 30.693+/-0.317 χ^2/NDF: 5116.5/37

All: 30.005+/-0.227 χ^2/NDF: 8235.2/76

- sign 29.280+/-0.325 χ^2/NDF: 3109.0/38

reg_asym_sam4_diff_bpm4eX_slope vs Slug



Right In: -127.190+/-0.829 χ^2/NDF: 2178.2/15

Left Out: -98.833+/-0.462 χ^2/NDF:9756.4/21

Right Out: -121.086+/-0.798 χ^2/NDF: 2397.3/18

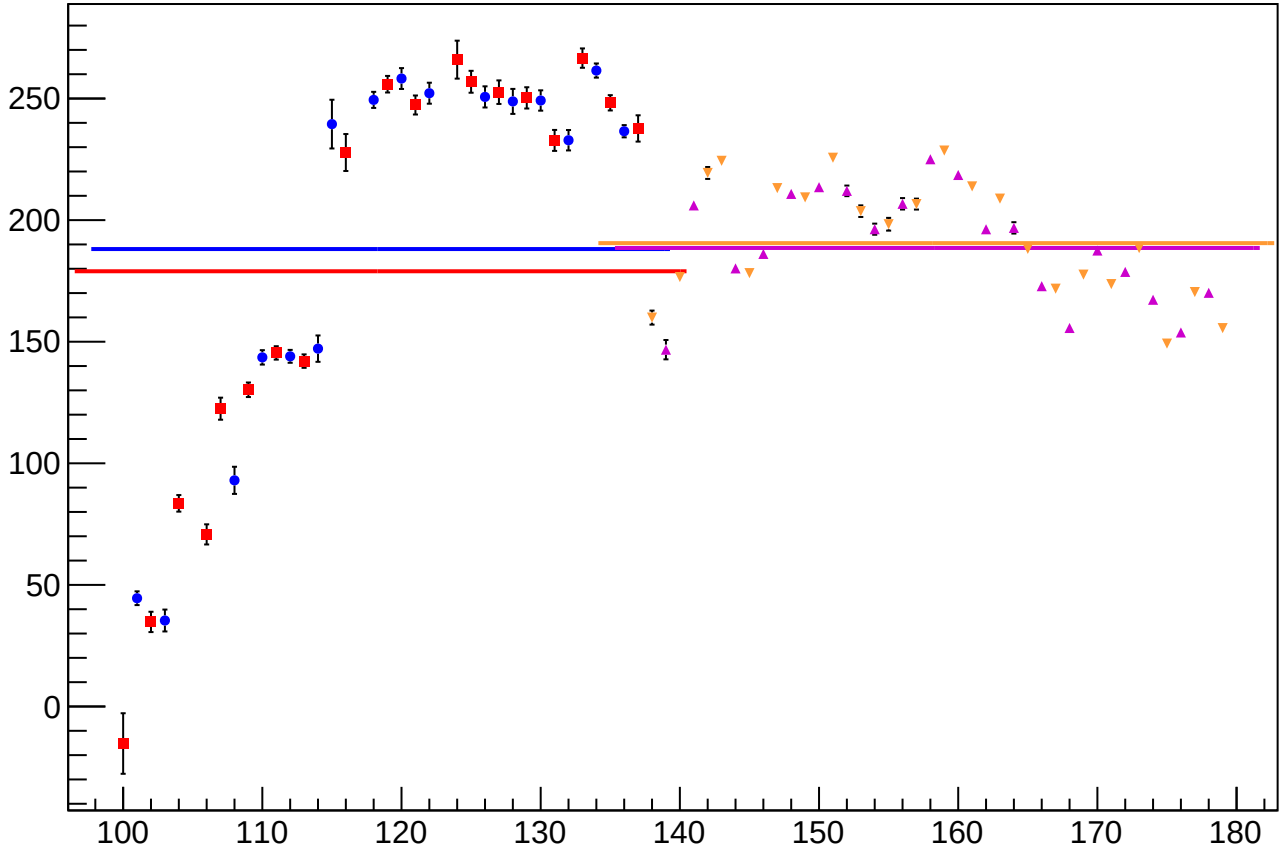
Left In: -99.378+/-0.475 χ^2/NDF:8602.5/19

+ sign -105.550+/-0.404 χ^2/NDF: 12826.7/37

All: -105.306+/-0.287 χ^2/NDF: 24374.1/76

- sign -105.058+/-0.408 χ^2/NDF: 11546.6/38

reg_asym_sam4_diff_bpm4eY_slope vs Slug



Right In: 188.107+/-0.918 χ^2/NDF: 7118.6/15

Left Out: 190.539+/-0.391 χ^2/NDF:3565.4/21

Right Out: 178.971+/-0.908 χ^2/NDF: 6668.8/18

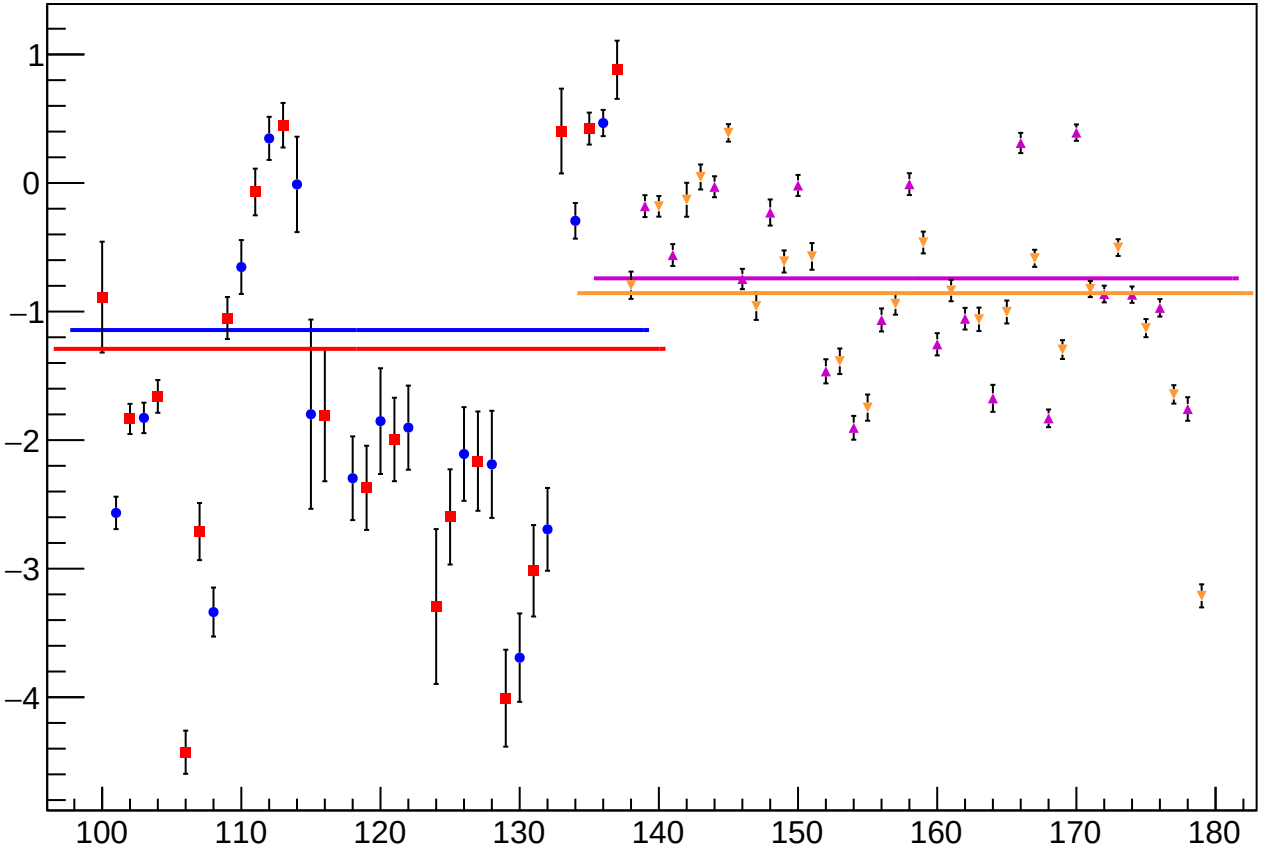
Left In: 188.549+/-0.403 χ^2/NDF:2633.4/19

+ sign 190.166+/-0.359 χ^2/NDF: 10690.0/37

All: 188.609+/-0.257 χ^2/NDF: 20123.6/76

- sign 186.974+/-0.368 χ^2/NDF: 9395.2/38

reg_asym_sam4_diff_bpm12X_slope vs Slug



Right In: -1.144+/-0.048 χ^2/NDF: 787.4/15

Left Out: -0.857+/-0.018 χ^2/NDF:1580.4/21

Right Out: -1.290+/-0.047 χ^2/NDF: 998.3/18

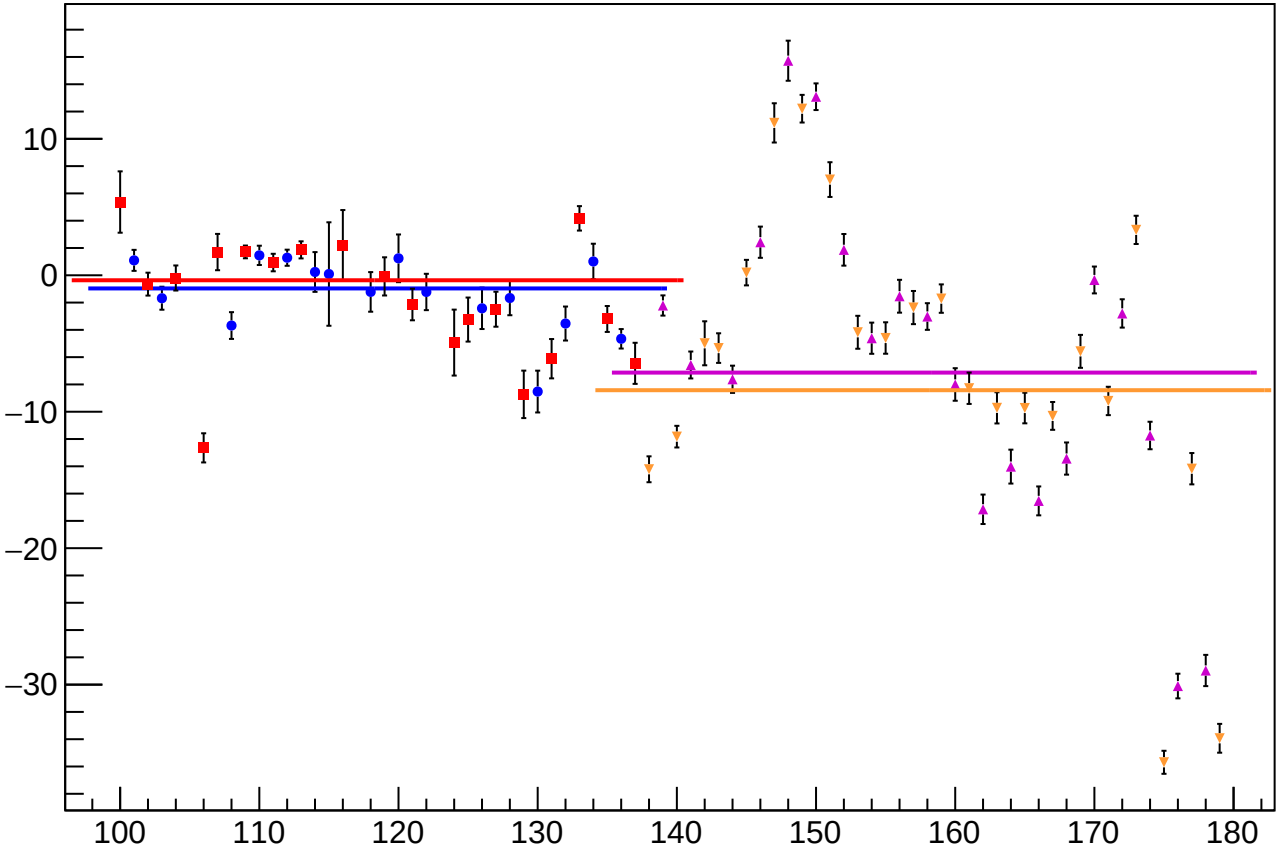
Left In: -0.742+/-0.018 χ^2/NDF:1547.2/19

+ sign -0.891+/-0.017 χ^2/NDF: 2399.3/37

All: -0.851+/-0.012 χ^2/NDF: 5073.5/76

- sign -0.810+/-0.017 χ^2/NDF: 2662.3/38

reg_asym_sam5_diff_bpm1X_slope vs Slug



Right In: -0.964+/-0.253 χ^2/NDF: 103.2/15

Left Out: -8.423+/-0.229 χ^2/NDF:2785.1/21

Right Out: -0.365+/-0.224 χ^2/NDF: 280.6/18

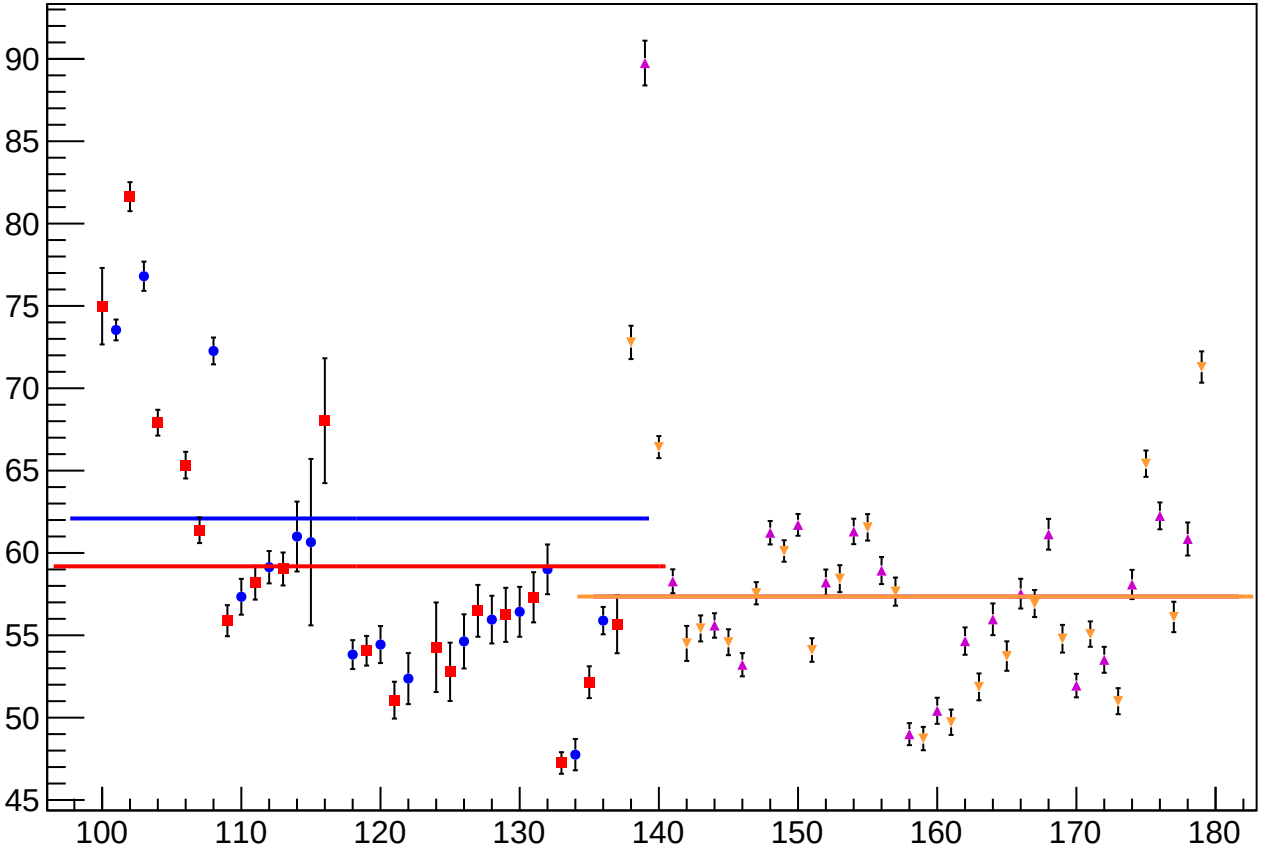
Left In: -7.132+/-0.235 χ^2/NDF:2211.2/19

+ sign -5.067+/-0.170 χ^2/NDF: 3365.7/37

All: -4.291+/-0.117 χ^2/NDF: 6332.7/76

- sign -3.585+/-0.162 χ^2/NDF: 2927.1/38

reg_asym_sam5_diff_bpm4aY_slope vs Slug



Right In: 62.094+/-0.265 χ^2/NDF: 1301.3/15

Left Out: 57.353+/-0.170 χ^2/NDF:1217.7/21

Right Out: 59.188+/-0.244 χ^2/NDF: 1402.1/18

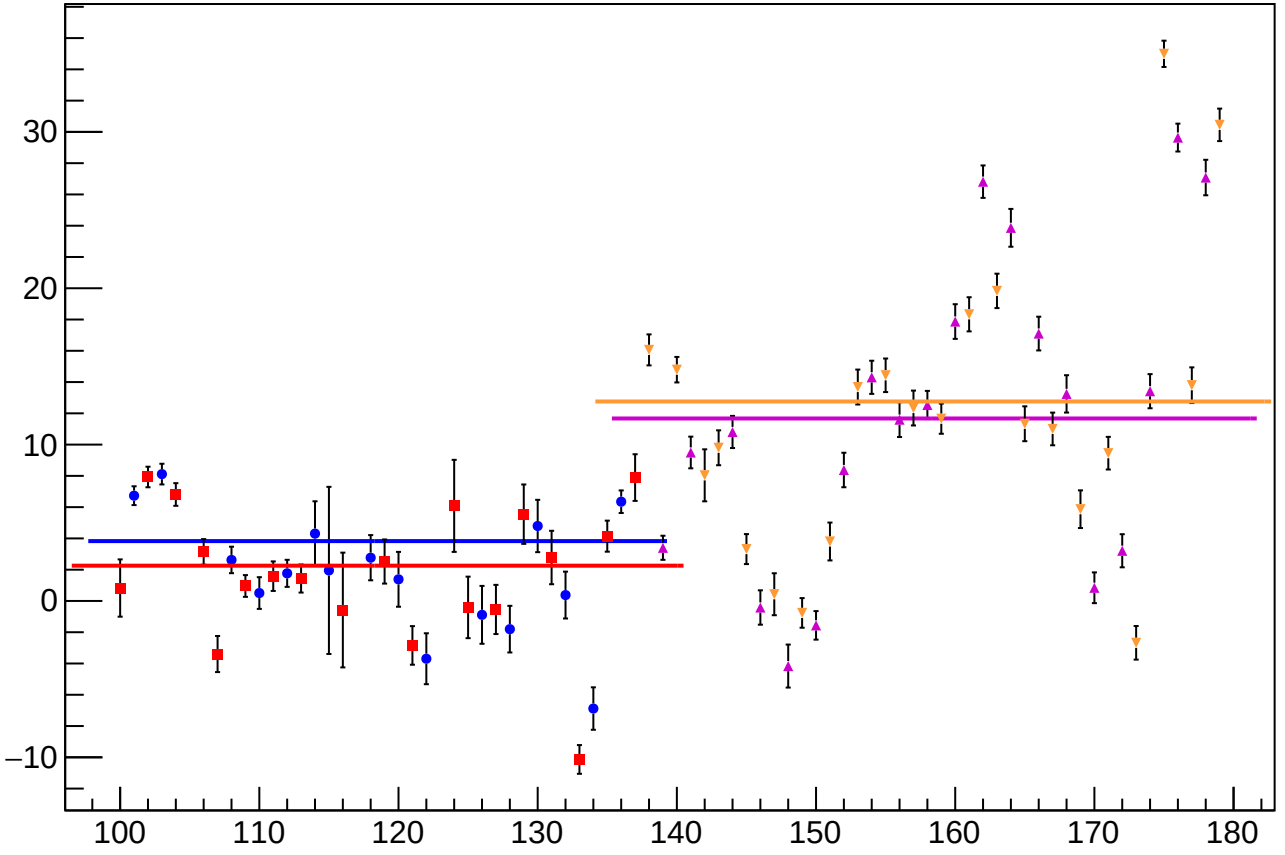
Left In: 57.356+/-0.178 χ^2/NDF:1106.0/19

+ sign 58.731+/-0.143 χ^2/NDF: 2745.3/37

All: 58.365+/-0.101 χ^2/NDF: 5303.4/76

- sign 57.995+/-0.144 χ^2/NDF: 2544.9/38

reg_asym_sam5_diff_bpm4eX_slope vs Slug



Right In: 3.828+/-0.265 χ^2/NDF: 208.6/15

Left Out: 12.758+/-0.226 χ^2/NDF:1788.3/21

Right Out: 2.257+/-0.246 χ^2/NDF: 371.9/18

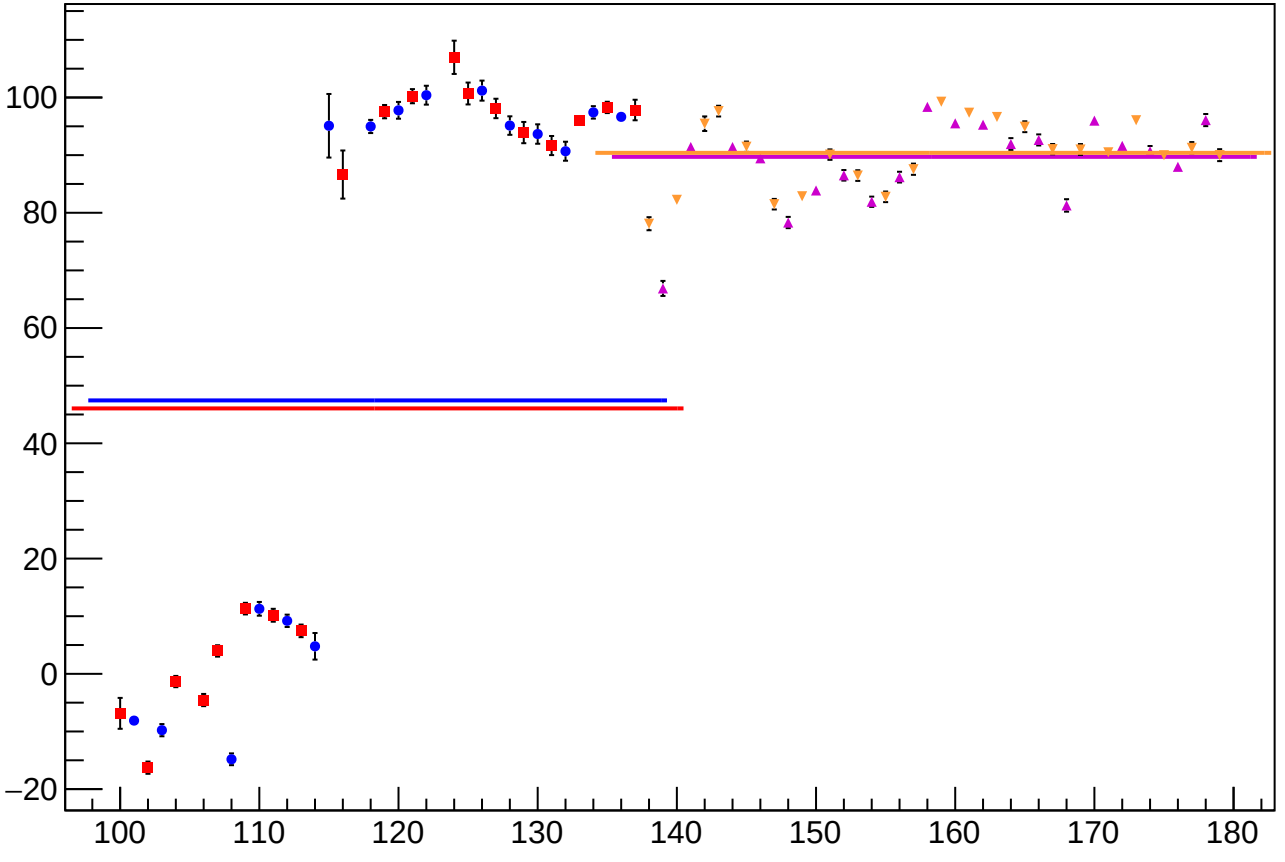
Left In: 11.671+/-0.231 χ^2/NDF:1751.3/19

+ sign 9.009+/-0.172 χ^2/NDF: 2654.3/37

All: 8.120+/-0.120 χ^2/NDF: 5606.1/76

- sign 7.264+/-0.169 χ^2/NDF: 2899.3/38

reg_asym_sam5_diff_bpm4eY_slope vs Slug



Right In: 47.443+/-0.308 χ^2/NDF: 26886.9/15

Left Out: 90.398+/-0.192 χ^2/NDF:918.5/21

Right Out: 46.053+/-0.284 χ^2/NDF: 28897.8/18

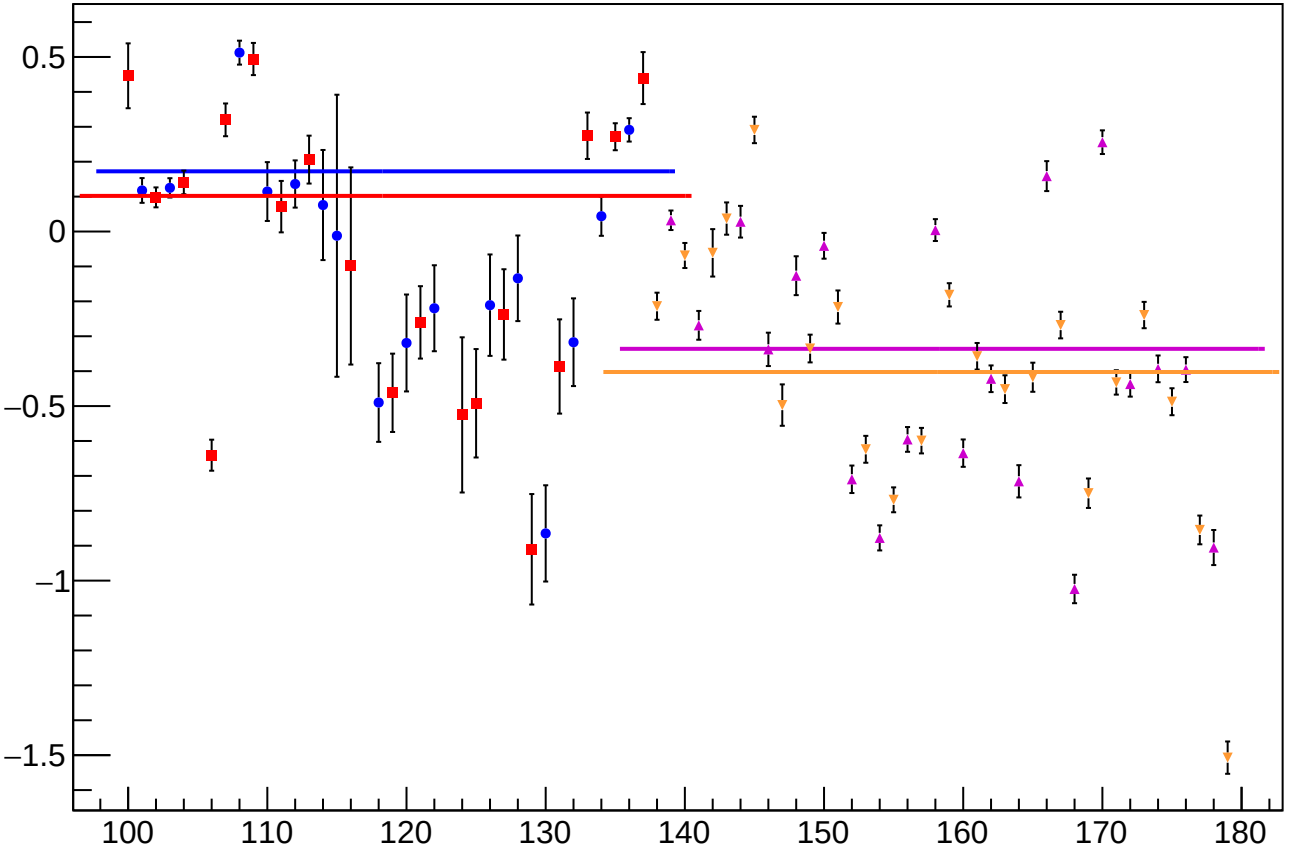
Left In: 89.704+/-0.200 χ^2/NDF:1039.3/19

+ sign 78.368+/-0.163 χ^2/NDF: 41802.8/37

All: 76.817+/-0.115 χ^2/NDF: 87676.9/76

- sign 75.254+/-0.164 χ^2/NDF: 45692.4/38

reg_asym_sam5_diff_bpm12X_slope vs Slug



Right In: 0.172+/-0.014 χ^2/NDF: 265.0/15

Left Out: -0.402+/-0.009 χ^2/NDF:1590.6/21

Right Out: 0.102+/-0.013 χ^2/NDF: 558.7/18

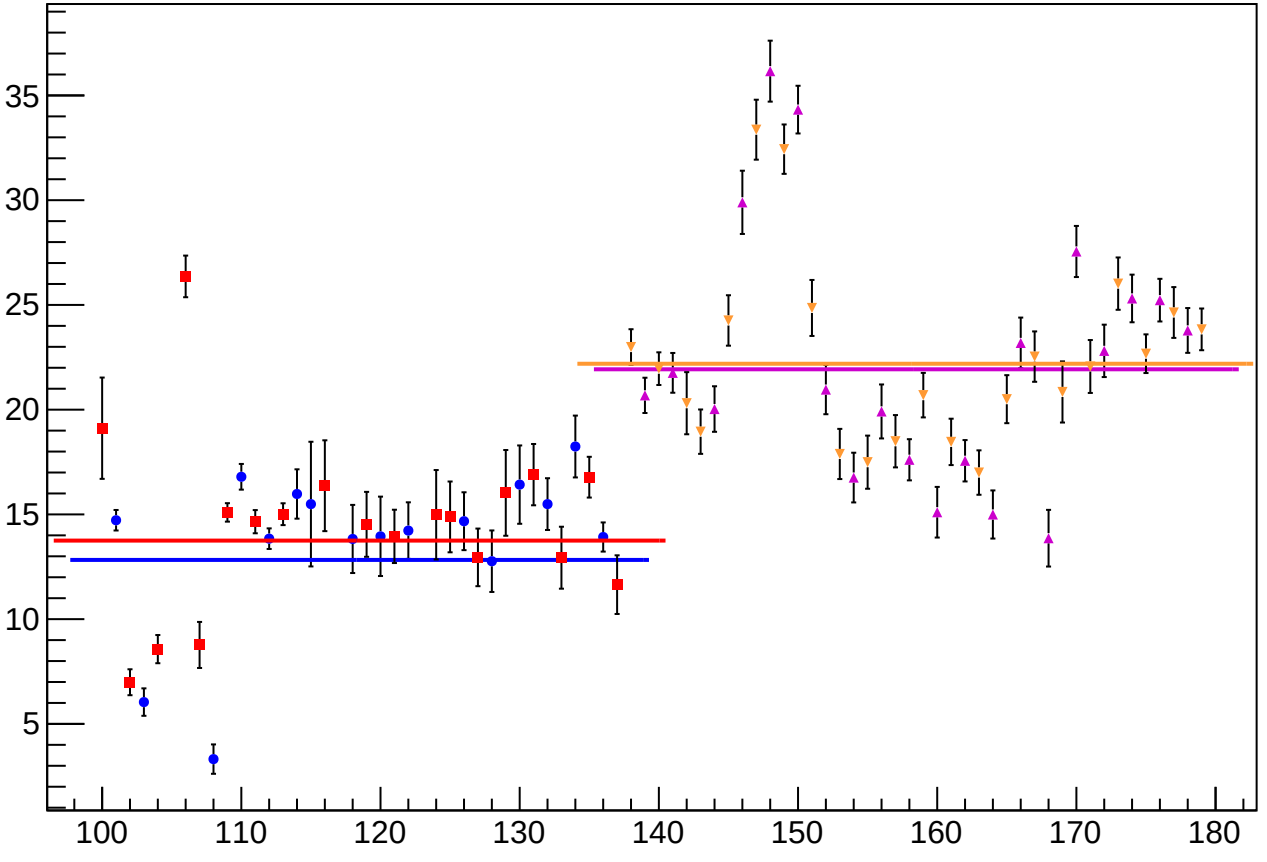
Left In: -0.336+/-0.009 χ^2/NDF:1801.7/19

+ sign -0.249+/-0.007 χ^2/NDF: 3064.6/37

All: -0.229+/-0.005 χ^2/NDF: 6193.0/76

- sign -0.209+/-0.007 χ^2/NDF: 3113.5/38

reg_asym_sam6_diff_bpm1X_slope vs Slug



Right In: 12.827+/-0.214 χ^2/NDF: 388.0/15

Left Out: 22.192+/-0.239 χ^2/NDF:247.7/21

Right Out: 13.750+/-0.204 χ^2/NDF: 404.0/18

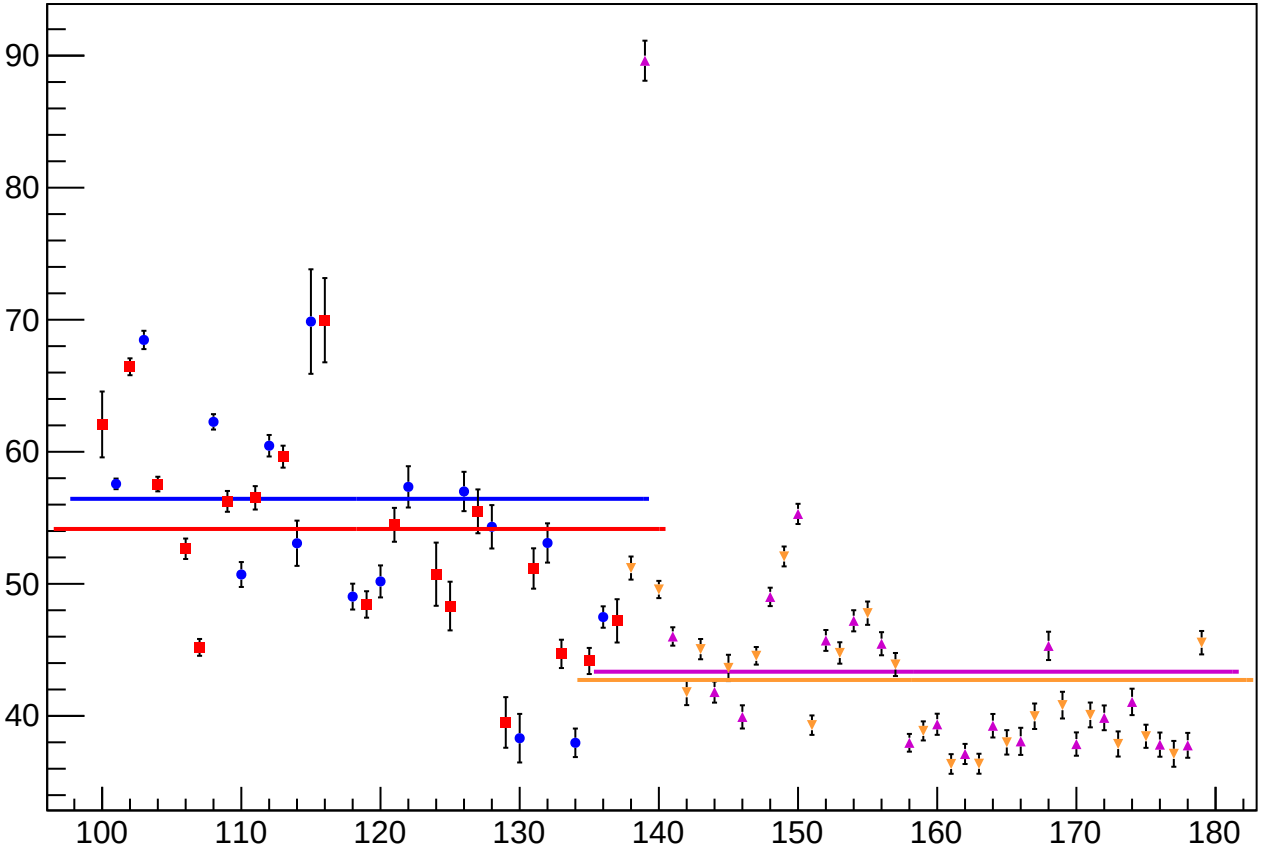
Left In: 21.927+/-0.252 χ^2/NDF:457.3/19

+ sign 16.986+/-0.160 χ^2/NDF: 1485.7/37

All: 16.987+/-0.113 χ^2/NDF: 2982.5/76

- sign 16.989+/-0.159 χ^2/NDF: 1496.9/38

reg_asym_sam6_diff_bpm4aY_slope vs Slug



Right In: 56.438+/-0.222 χ^2/NDF: 1088.0/15

Left Out: 42.722+/-0.177 χ^2/NDF:750.1/21

Right Out: 54.156+/-0.225 χ^2/NDF: 1006.6/18

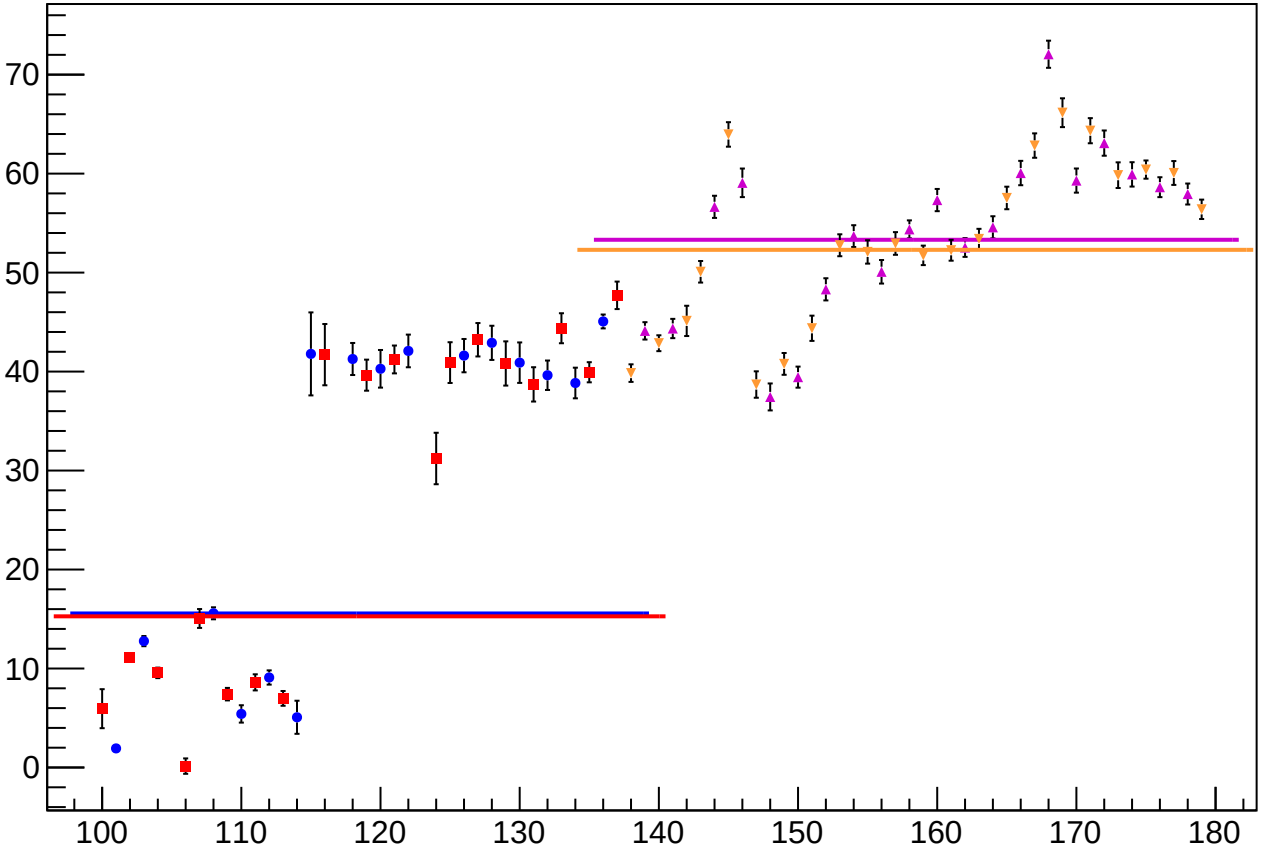
Left In: 43.347+/-0.189 χ^2/NDF:1647.1/19

+ sign 48.055+/-0.138 χ^2/NDF: 4175.0/37

All: 47.952+/-0.100 χ^2/NDF: 8184.3/76

- sign 47.839+/-0.145 χ^2/NDF: 4008.1/38

reg_asym_sam6_diff_bpm4eX_slope vs Slug



Right In: 15.561+/-0.214 χ^2/NDF: 5176.0/15

Left Out: 52.300+/-0.236 χ^2/NDF:1149.1/21

Right Out: 15.272+/-0.219 χ^2/NDF: 3873.0/18

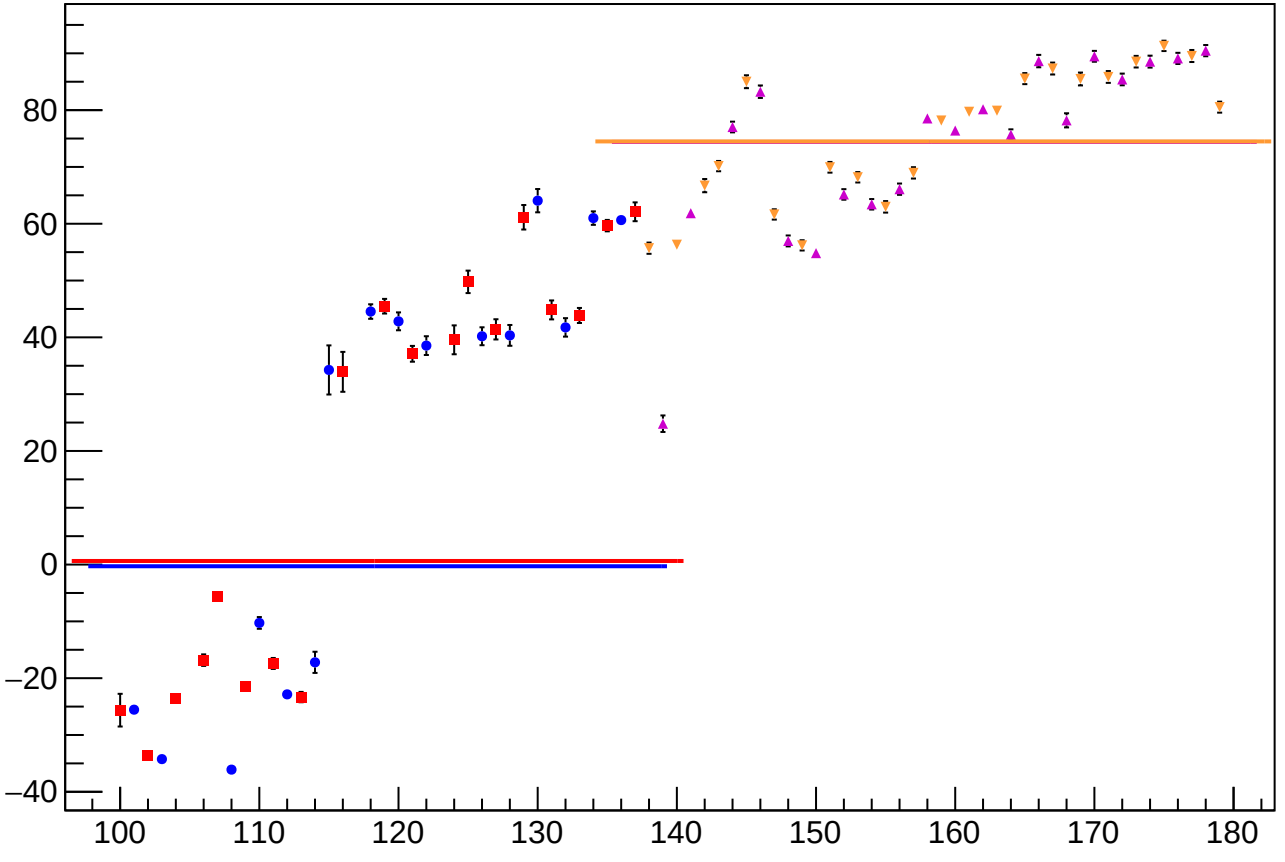
Left In: 53.316+/-0.248 χ^2/NDF:944.4/19

+ sign 32.140+/-0.159 χ^2/NDF: 19626.7/37

All: 32.067+/-0.114 χ^2/NDF: 37688.1/76

- sign 31.988+/-0.164 χ^2/NDF: 18060.9/38

reg_asym_sam6_diff_bpm4eY_slope vs Slug



Right In: -0.296+/-0.261 χ^2/NDF: 21030.9/15

Left Out: 74.492+/-0.201 χ^2/NDF:3264.6/21

Right Out: 0.633+/-0.264 χ^2/NDF: 16028.1/18

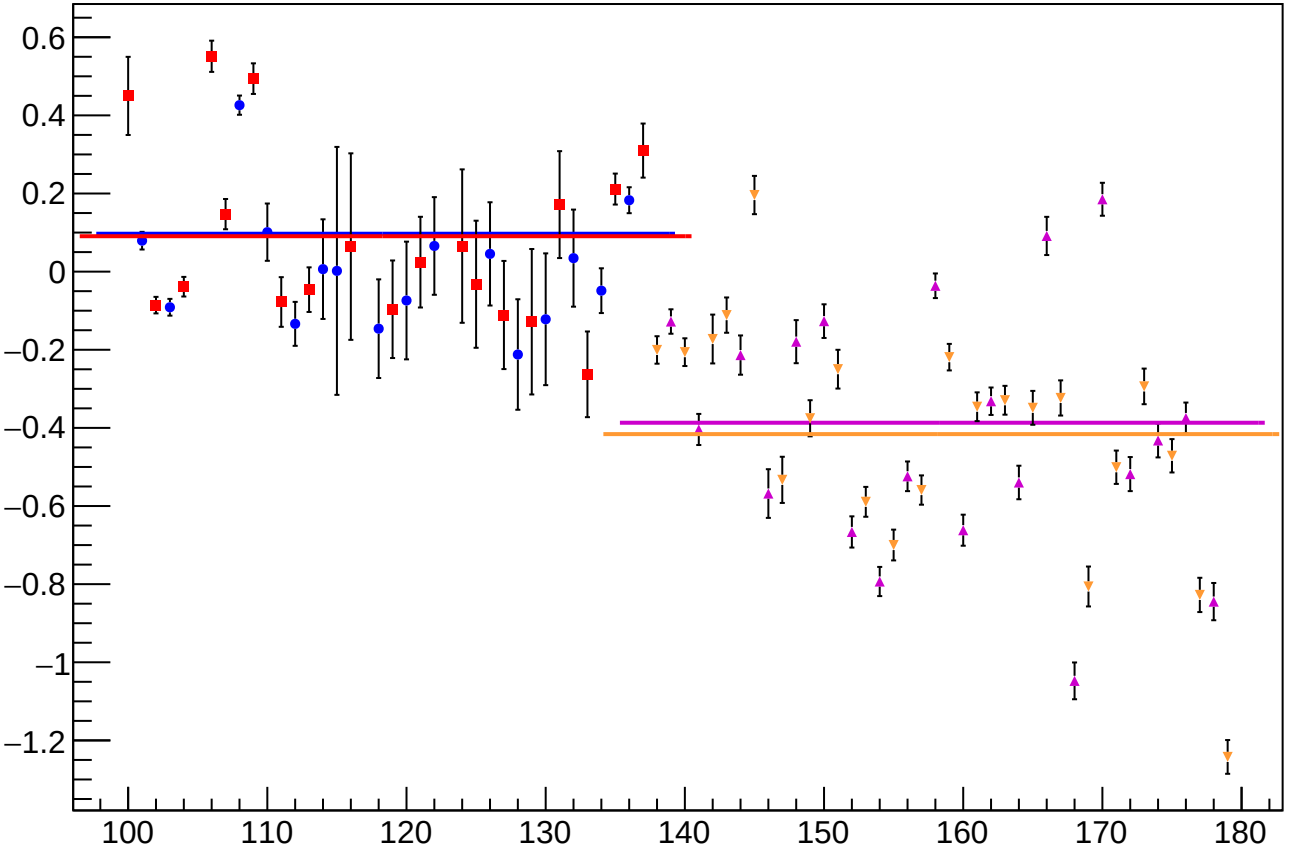
Left In: 74.401+/-0.213 χ^2/NDF:3898.6/19

+ sign 46.741+/-0.159 χ^2/NDF: 75778.7/37

All: 46.065+/-0.115 χ^2/NDF: 143196.2/76

- sign 45.334+/-0.165 χ^2/NDF: 67379.9/38

reg_asym_sam6_diff_bpm12X_slope vs Slug



Right In: 0.097+/-0.011 χ^2/NDF: 299.1/15

Left Out: -0.416+/-0.009 χ^2/NDF:966.6/21

Right Out: 0.091+/-0.011 χ^2/NDF: 399.5/18

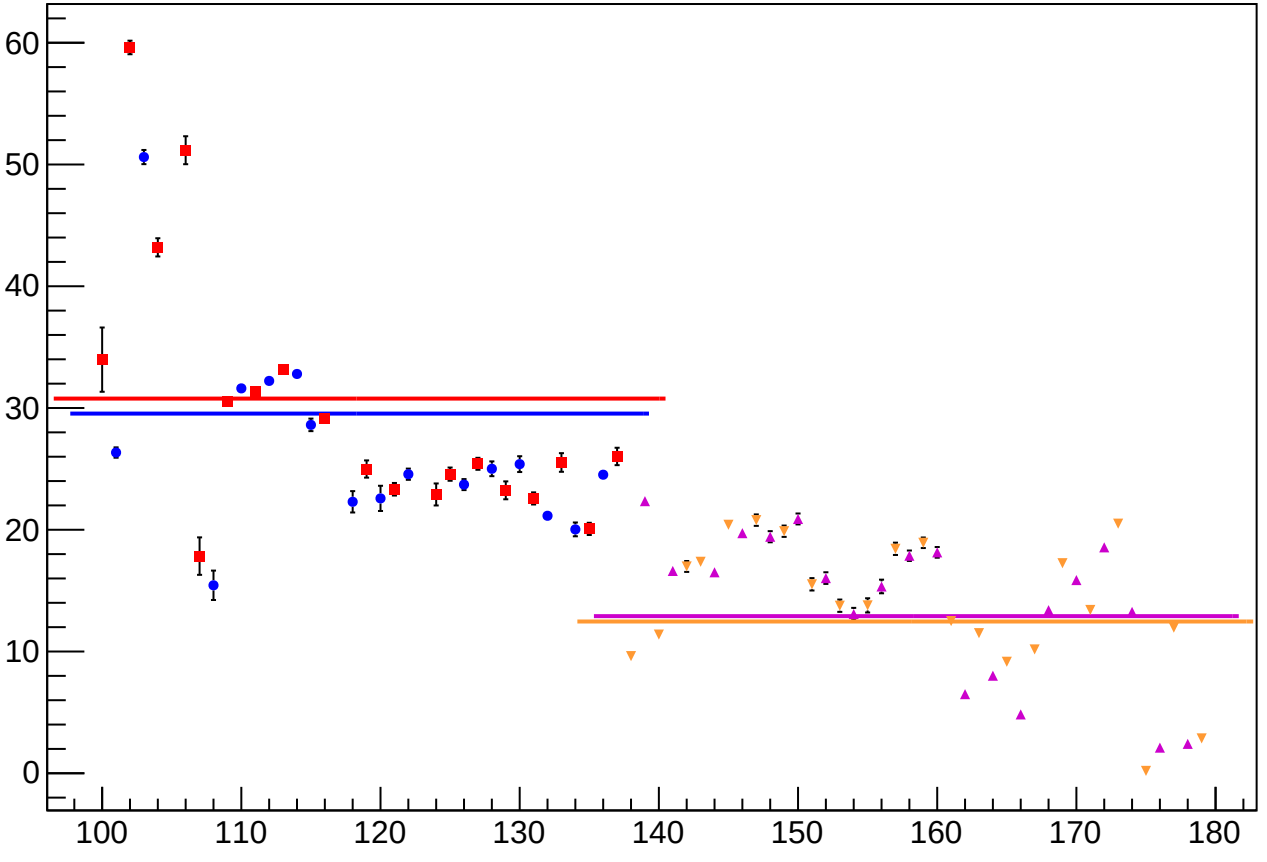
Left In: -0.387+/-0.009 χ^2/NDF:1086.0/19

+ sign -0.215+/-0.007 χ^2/NDF: 2537.7/37

All: -0.207+/-0.005 χ^2/NDF: 5087.5/76

- sign -0.198+/-0.007 χ^2/NDF: 2546.8/38

reg_asym_sam7_diff_bpm1X_slope vs Slug



Right In: 29.542+/-0.092 χ^2/NDF: 3372.2/15

Left Out: 12.465+/-0.074 χ^2/NDF:7203.6/21

Right Out: 30.774+/-0.080 χ^2/NDF: 5079.2/18

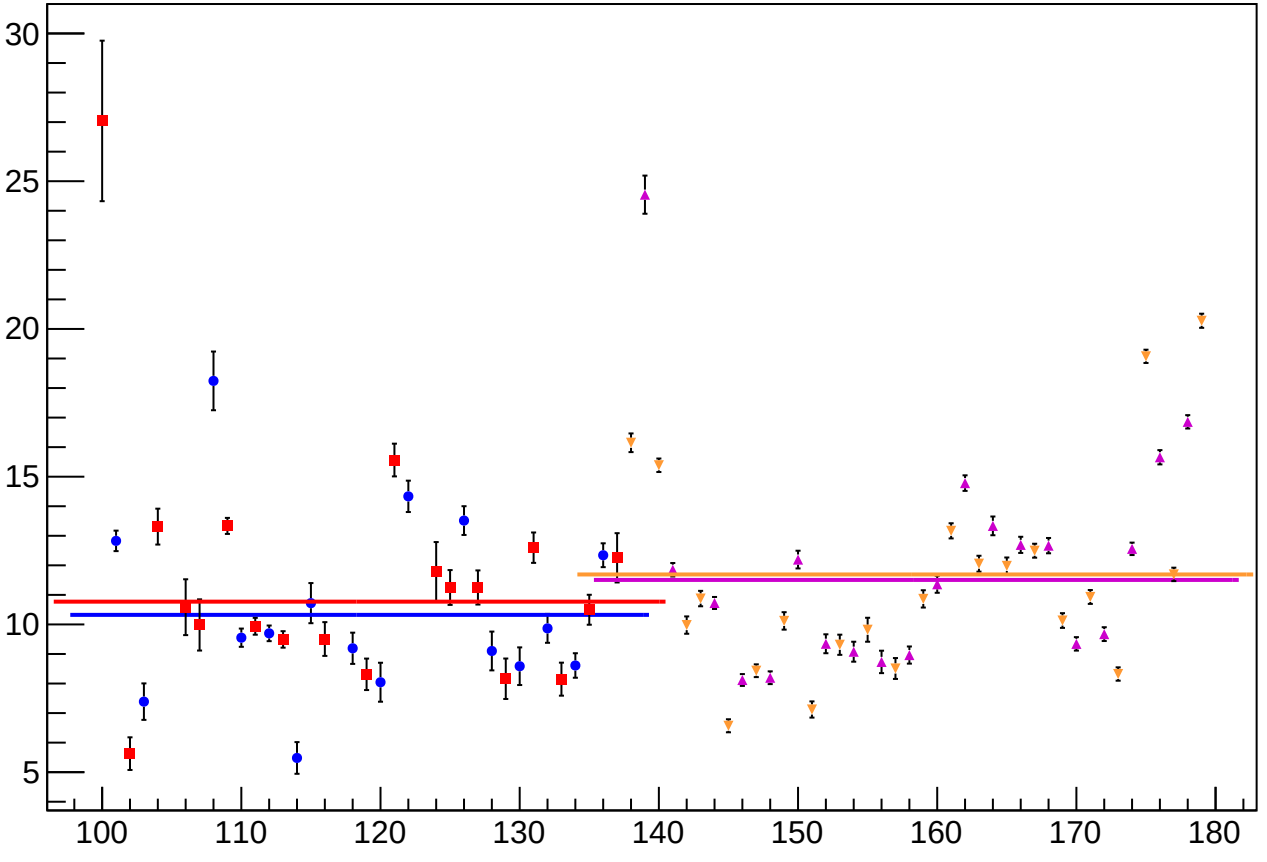
Left In: 12.905+/-0.077 χ^2/NDF:6989.7/19

+ sign 19.172+/-0.058 χ^2/NDF: 31518.0/37

All: 20.348+/-0.040 χ^2/NDF: 70364.2/76

- sign 21.435+/-0.055 χ^2/NDF: 38044.8/38

reg_asym_sam7_diff_bpm4aY_slope vs Slug



Right In: 10.324+/-0.114 χ^2/NDF: 402.6/15

Left Out: 11.691+/-0.055 χ^2/NDF:4423.0/21

Right Out: 10.771+/-0.113 χ^2/NDF: 415.8/18

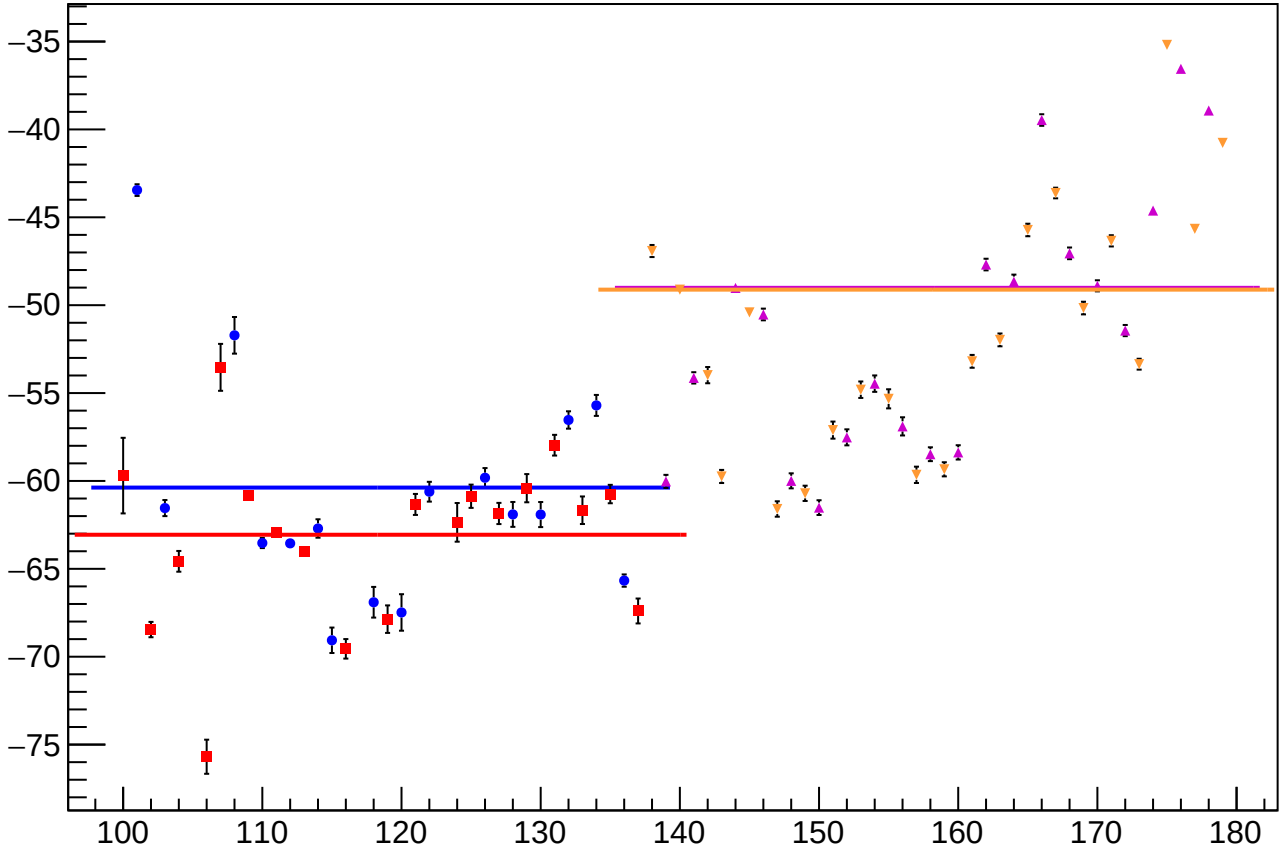
Left In: 11.506+/-0.058 χ^2/NDF:2435.2/19

\+ sign 11.430+/-0.050 χ^2/NDF: 4942.0/37

All: 11.393+/-0.036 χ^2/NDF: 7827.8/76

\- sign 11.355+/-0.051 χ^2/NDF: 2884.7/38

reg_asym_sam7_diff_bpm4eX_slope vs Slug



Right In: -60.377+/-0.113 χ^2/NDF: 3597.6/15

Left Out: -49.116+/-0.074 χ^2/NDF:9638.3/21

Right Out: -63.061+/-0.107 χ^2/NDF: 844.1/18

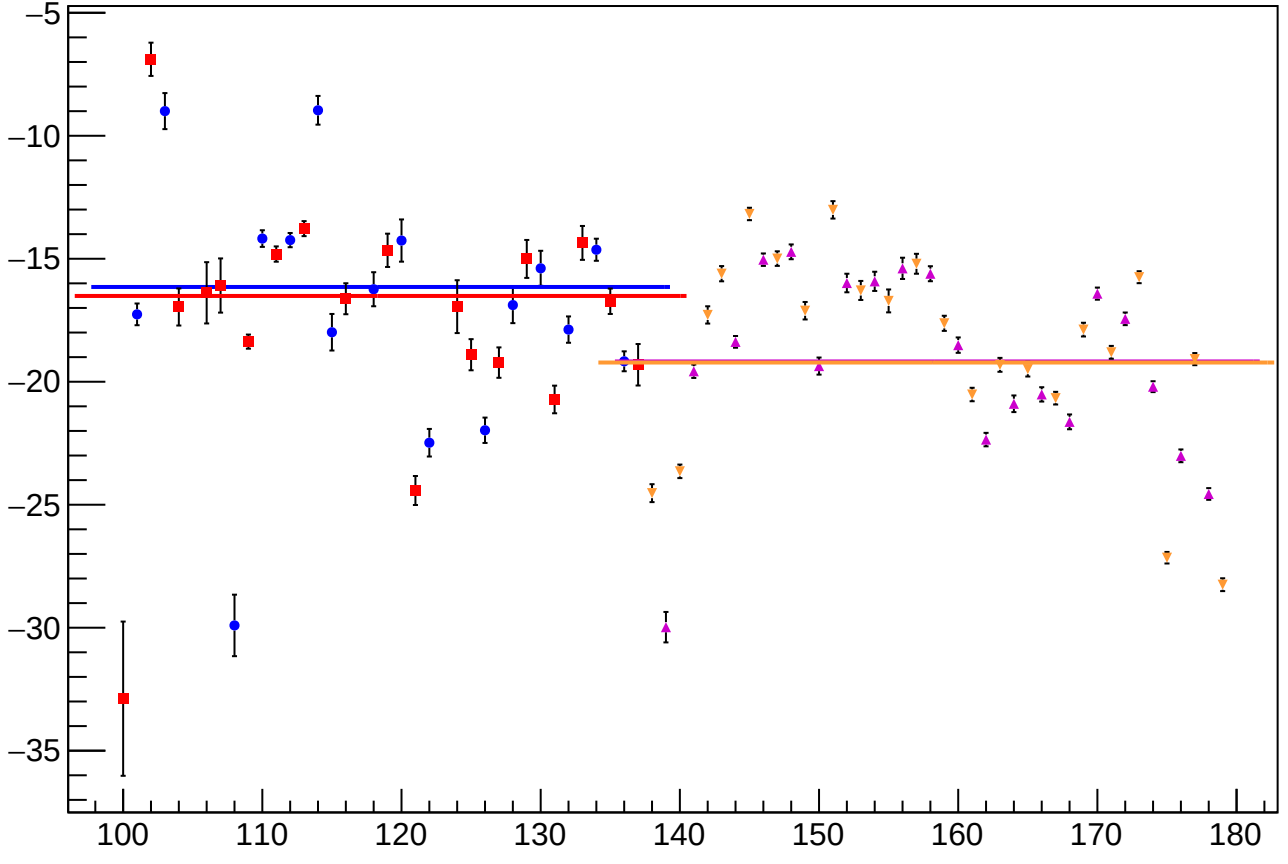
Left In: -49.013+/-0.076 χ^2/NDF:9432.8/19

+ sign -52.469+/-0.062 χ^2/NDF: 20210.2/37

All: -53.093+/-0.044 χ^2/NDF: 42093.6/76

- sign -53.727+/-0.062 χ^2/NDF: 21677.0/38

reg_asym_sam7_diff_bpm4eY_slope vs Slug



Right In: -16.147+/-0.127 χ^2/NDF: 797.1/15

Left Out: -19.219+/-0.063 χ^2/NDF:4589.5/21

Right Out: -16.512+/-0.125 χ^2/NDF: 684.7/18

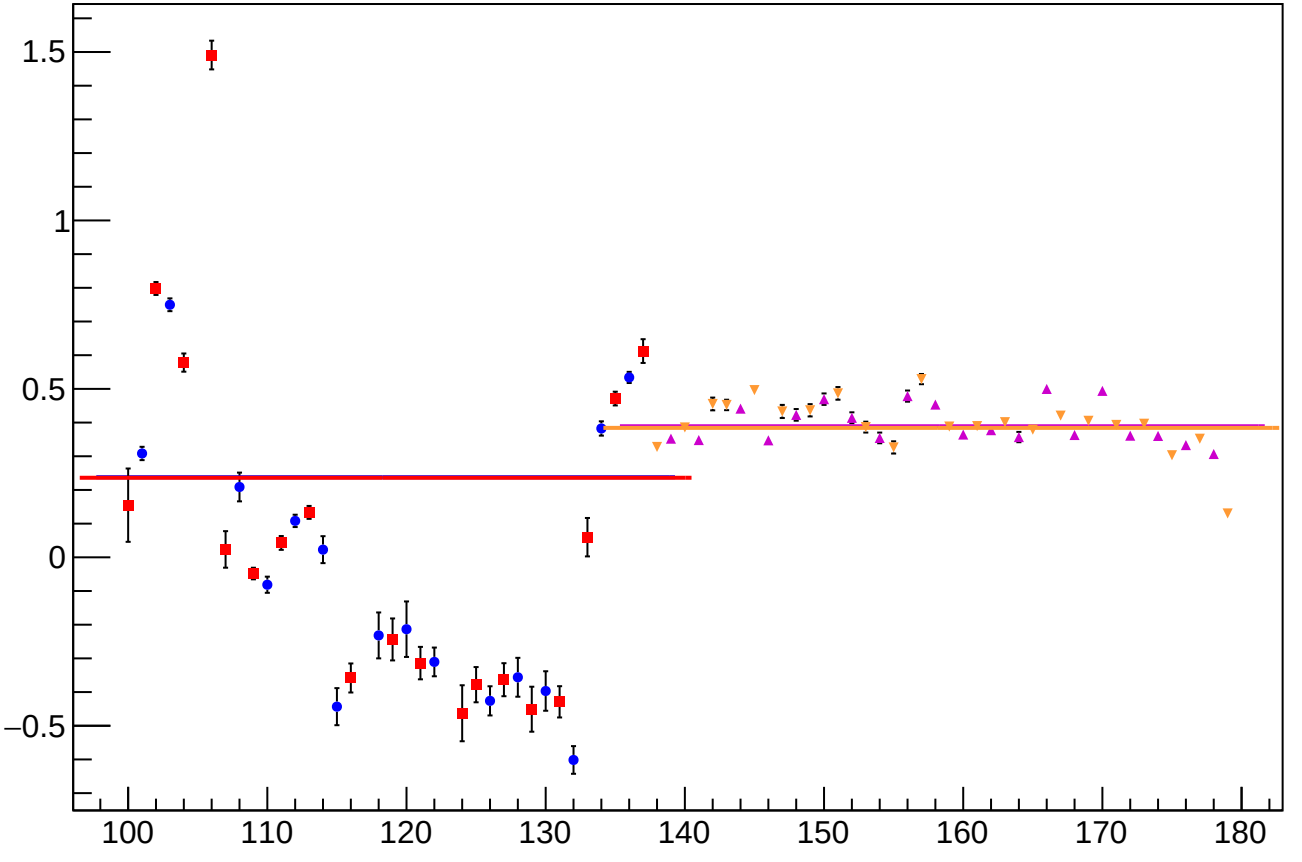
Left In: -19.175+/-0.065 χ^2/NDF:2333.5/19

+ sign -18.621+/-0.056 χ^2/NDF: 5856.4/37

All: -18.614+/-0.040 χ^2/NDF: 9233.8/76

- sign -18.608+/-0.058 χ^2/NDF: 3377.4/38

reg_asym_sam7_diff_bpm12X_slope vs Slug



Right In: 0.238+/-0.007 χ^2/NDF: 2632.9/15

Left Out: 0.384+/-0.003 χ^2/NDF:852.9/21

Right Out: 0.236+/-0.007 χ^2/NDF: 3595.0/18

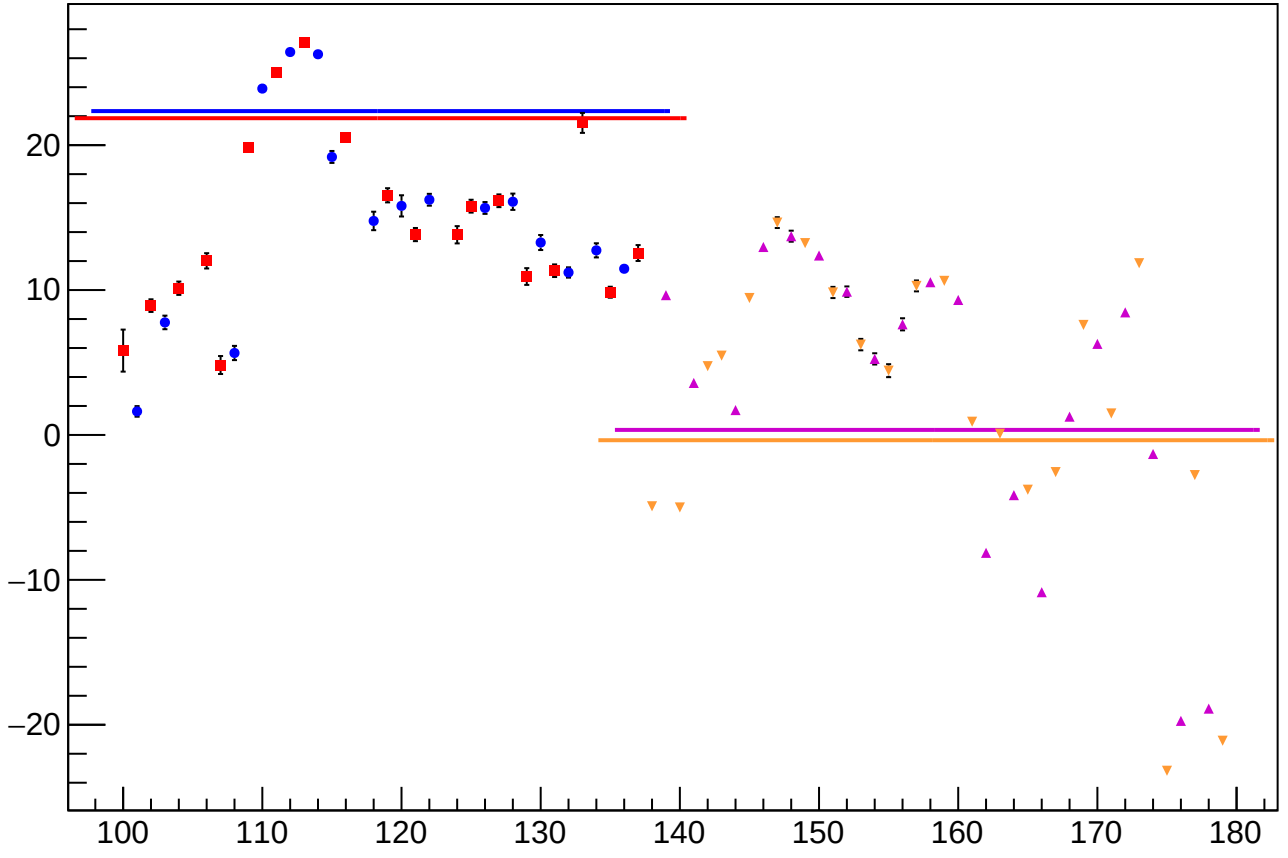
Left In: 0.389+/-0.003 χ^2/NDF:400.0/19

+ sign 0.364+/-0.003 χ^2/NDF: 3856.6/37

All: 0.366+/-0.002 χ^2/NDF: 8251.4/76

- sign 0.367+/-0.003 χ^2/NDF: 4394.0/38

reg_asym_sam8_diff_bpm1X_slope vs Slug



Right In: 22.350+/-0.057 χ^2/NDF: 12336.9/15

Left Out: -0.363+/-0.061 χ^2/NDF:31720.5/21

Right Out: 21.859+/-0.046 χ^2/NDF: 10692.4/18

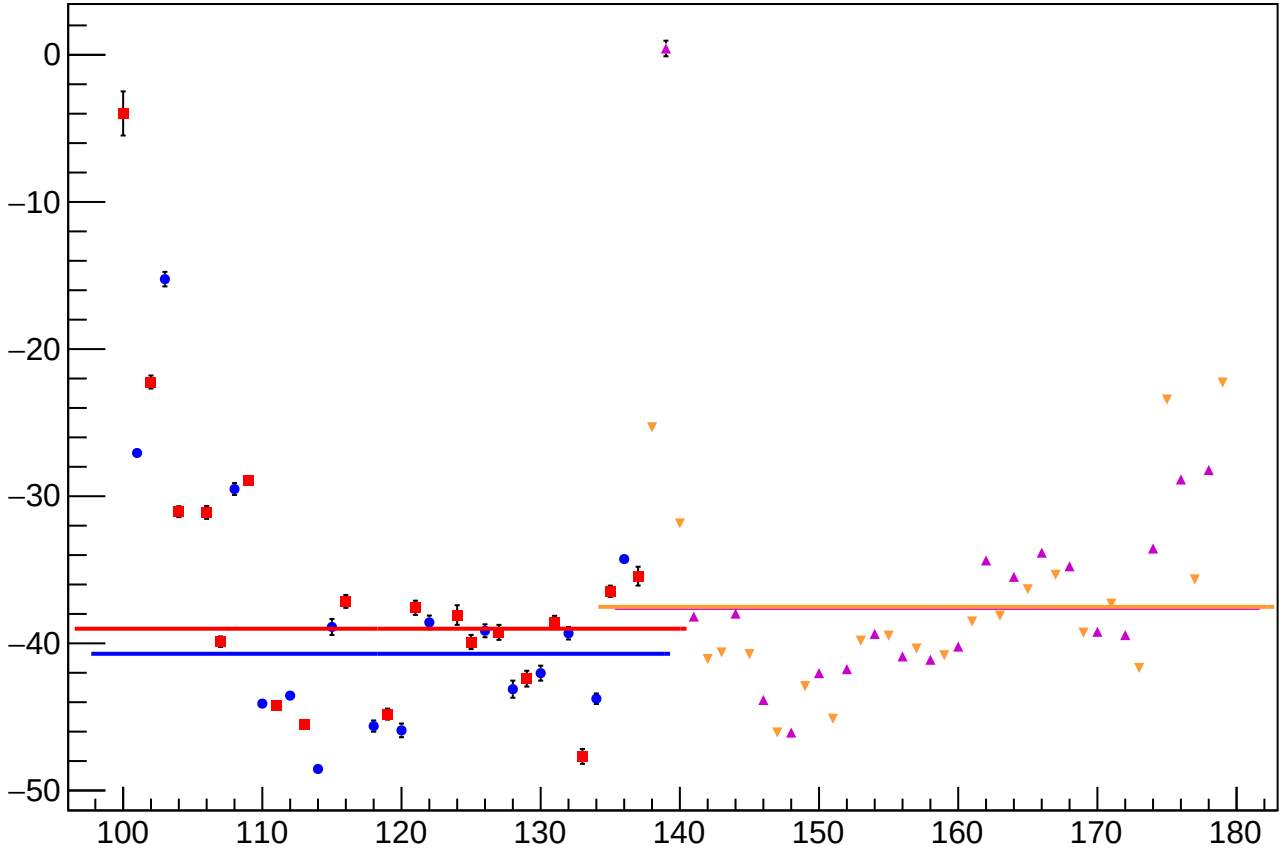
Left In: 0.349+/-0.064 χ^2/NDF:25721.0/19

+ sign 11.798+/-0.041 χ^2/NDF: 118994.5/37

All: 13.260+/-0.028 χ^2/NDF: 231968.8/76

- sign 14.460+/-0.037 χ^2/NDF: 110701.7/38

reg_asym_sam8_diff_bpm4aY_slope vs Slug



Right In: -40.709+/-0.076 χ^2/NDF: 7780.4/15

Left Out: -37.520+/-0.045 χ^2/NDF:19616.8/21

Right Out: -39.005+/-0.071 χ^2/NDF: 10101.3/18

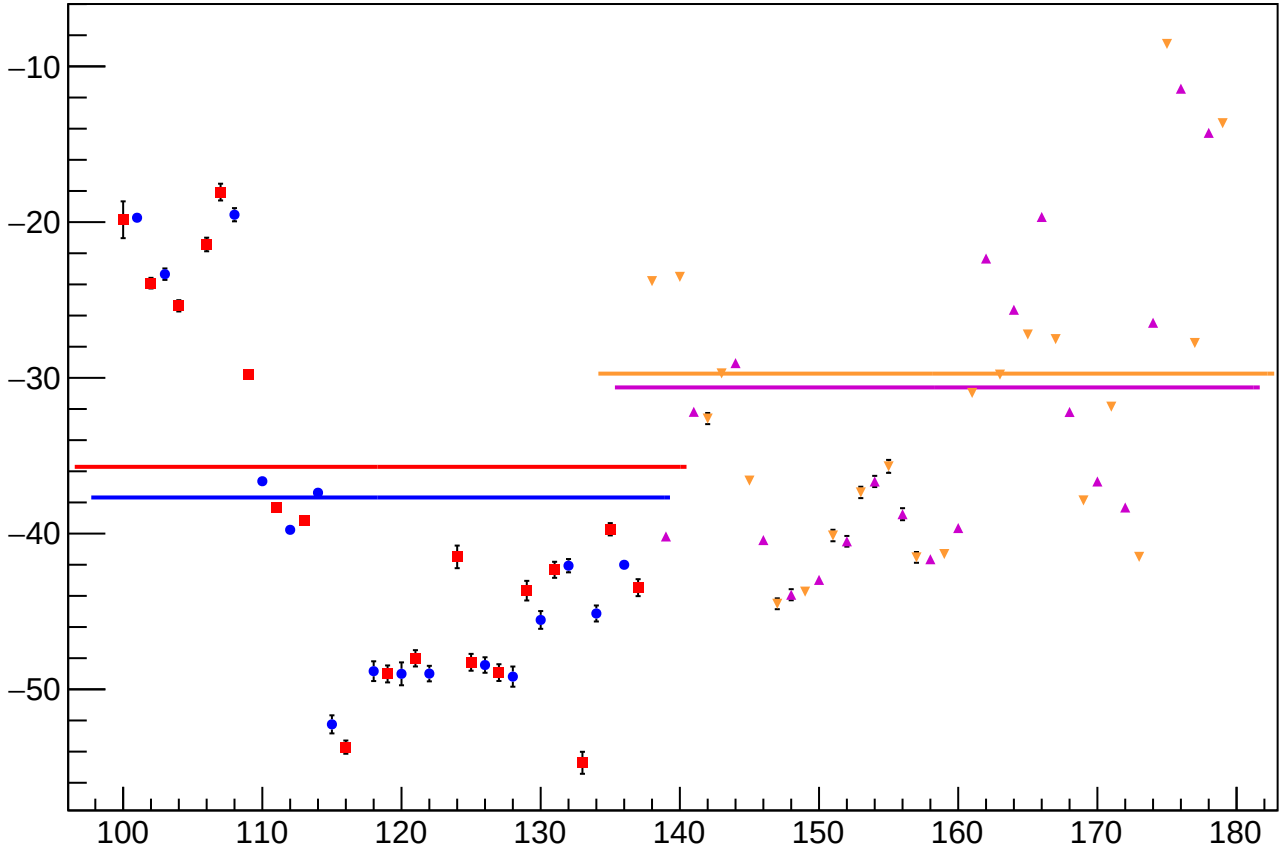
Left In: -37.590+/-0.048 χ^2/NDF:14746.6/19

+ sign -38.340+/-0.039 χ^2/NDF: 28688.3/37

All: -38.190+/-0.028 χ^2/NDF: 53839.4/76

- sign -38.033+/-0.040 χ^2/NDF: 25120.5/38

reg_asym_sam8_diff_bpm4eX_slope vs Slug



Right In: -37.681+/-0.074 χ^2/NDF: 10853.9/15

Left Out: -29.728+/-0.060 χ^2/NDF:27278.8/21

Right Out: -35.714+/-0.064 χ^2/NDF: 13274.5/18

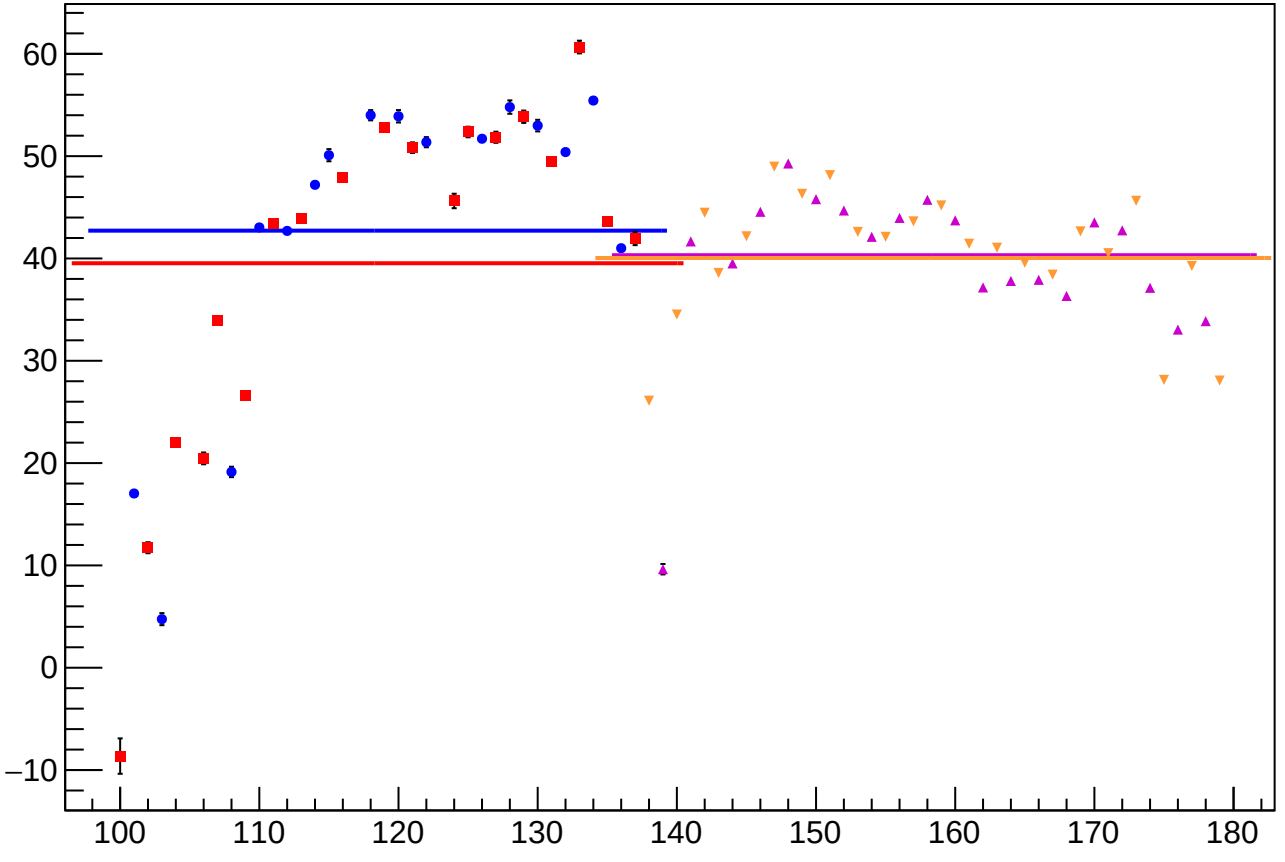
Left In: -30.614+/-0.063 χ^2/NDF:24268.8/19

+ sign -32.914+/-0.047 χ^2/NDF: 45103.4/37

All: -33.024+/-0.032 χ^2/NDF: 85844.6/76

- sign -33.128+/-0.045 χ^2/NDF: 40730.4/38

reg_asym_sam8_diff_bpm4eY_slope vs Slug



Right In: 42.718+/-0.085 χ^2/NDF: 14765.0/15

Left Out: 40.046+/-0.051 χ^2/NDF:13656.6/21

Right Out: 39.533+/-0.078 χ^2/NDF: 17978.2/18

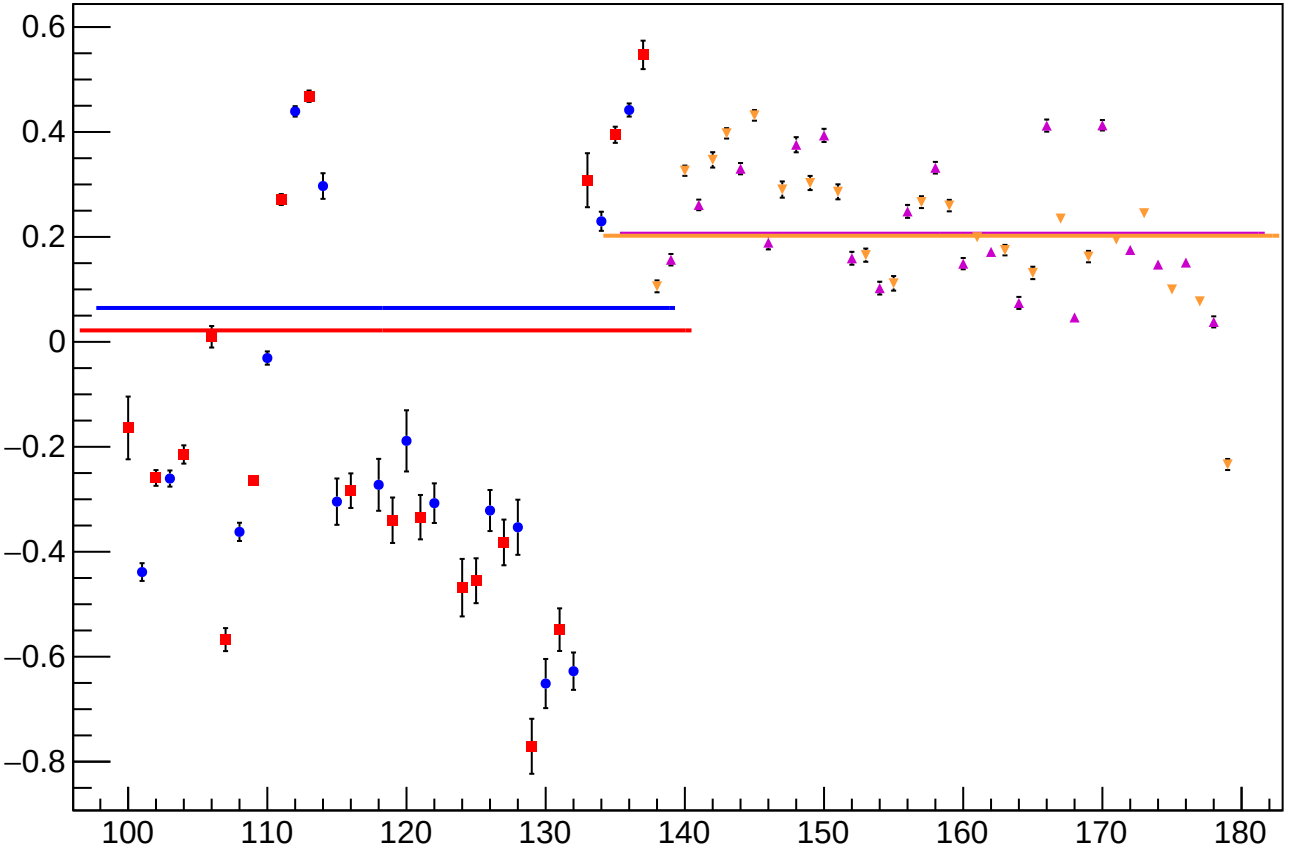
Left In: 40.319+/-0.054 χ^2/NDF:9952.6/19

+ sign 40.753+/-0.044 χ^2/NDF: 29147.2/37

All: 40.415+/-0.031 χ^2/NDF: 57268.1/76

- sign 40.066+/-0.044 χ^2/NDF: 27999.3/38

reg_asym_sam8_diff_bpm12X_slope vs Slug



Right In: 0.065+/-0.005 χ^2/NDF: 5497.5/15

Left Out: 0.202+/-0.002 χ^2/NDF:3574.6/21

Right Out: 0.022+/-0.004 χ^2/NDF: 6405.3/18

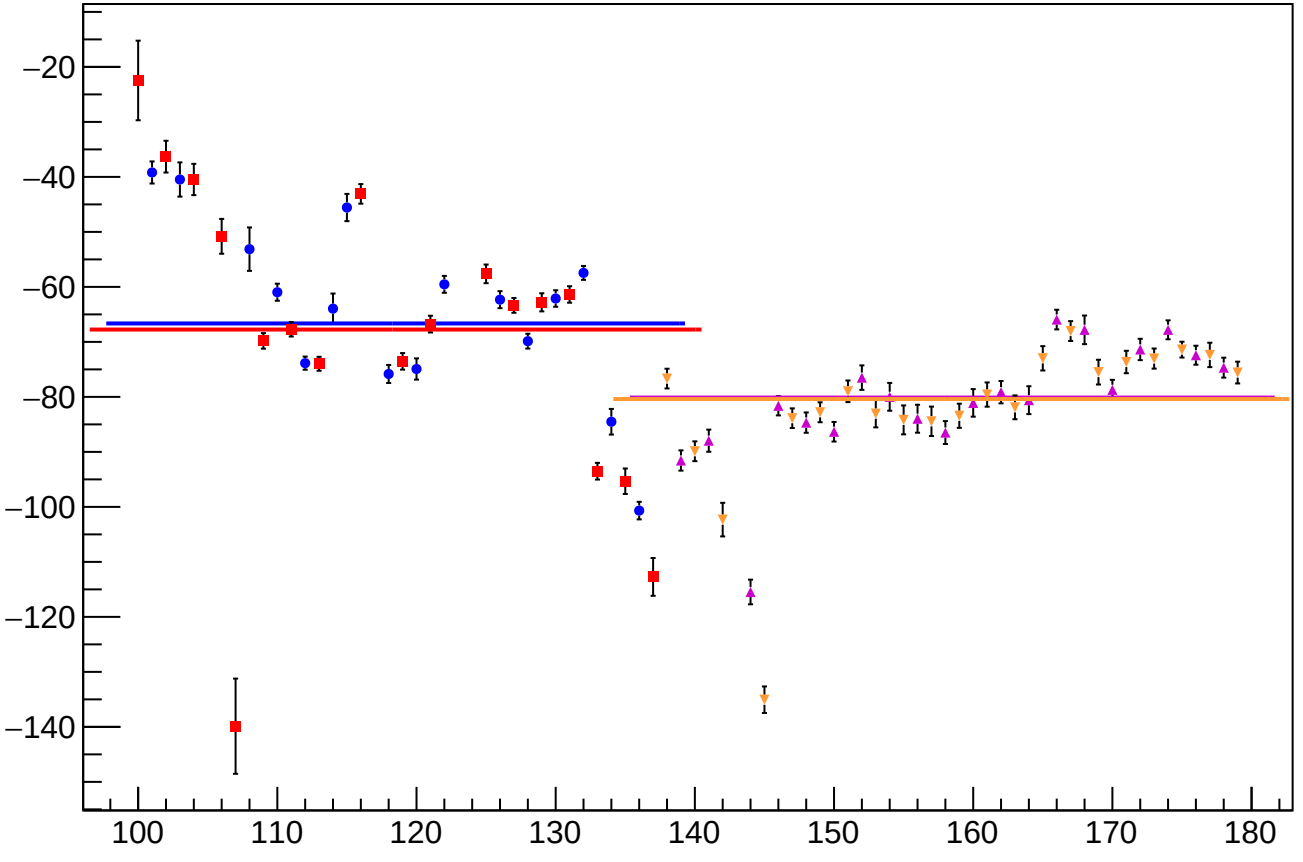
Left In: 0.206+/-0.002 χ^2/NDF:2318.2/19

+ sign 0.177+/-0.002 χ^2/NDF: 9731.0/37

All: 0.170+/-0.001 χ^2/NDF: 19833.9/76

- sign 0.164+/-0.002 χ^2/NDF: 10084.0/38

reg_asym_usl_diff_bpm1X_slope vs Slug



Right In: -66.648+/-0.426 χ^2/NDF: 1052.4/15

Left Out: -80.389+/-0.445 χ^2/NDF:760.2/20

Right Out: -67.755+/-0.419 χ^2/NDF: 1255.4/17

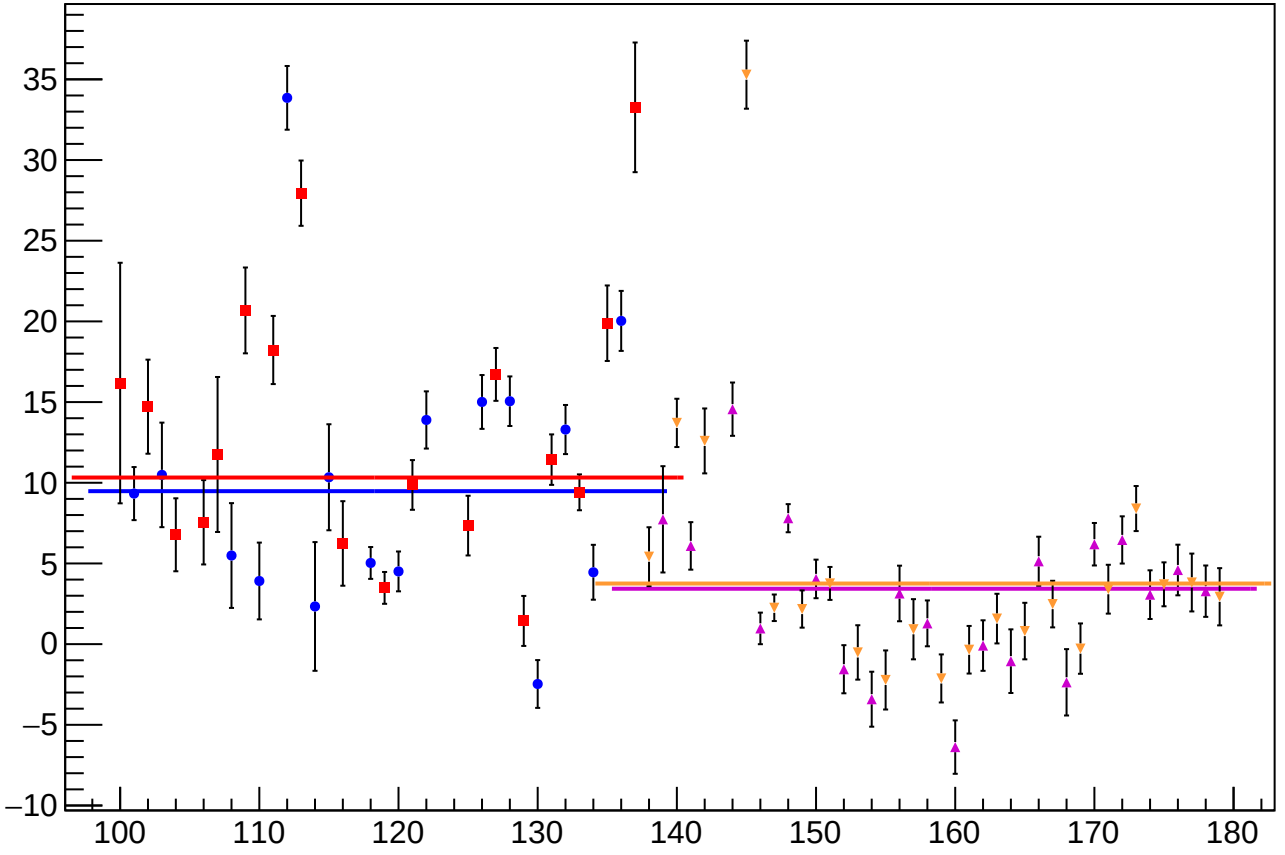
Left In: -80.123+/-0.448 χ^2/NDF:522.5/19

+ sign -73.215+/-0.308 χ^2/NDF: 2309.6/36

All: -73.376+/-0.217 χ^2/NDF: 4494.3/74

- sign -73.534+/-0.306 χ^2/NDF: 2184.1/37

reg_asym_usl_diff_bpm4aY_slope vs Slug



Right In: 9.480+/-0.428 χ^2/NDF: 341.9/15

Left Out: 3.755+/-0.316 χ^2/NDF:359.7/20

Right Out: 10.324+/-0.436 χ^2/NDF: 263.4/17

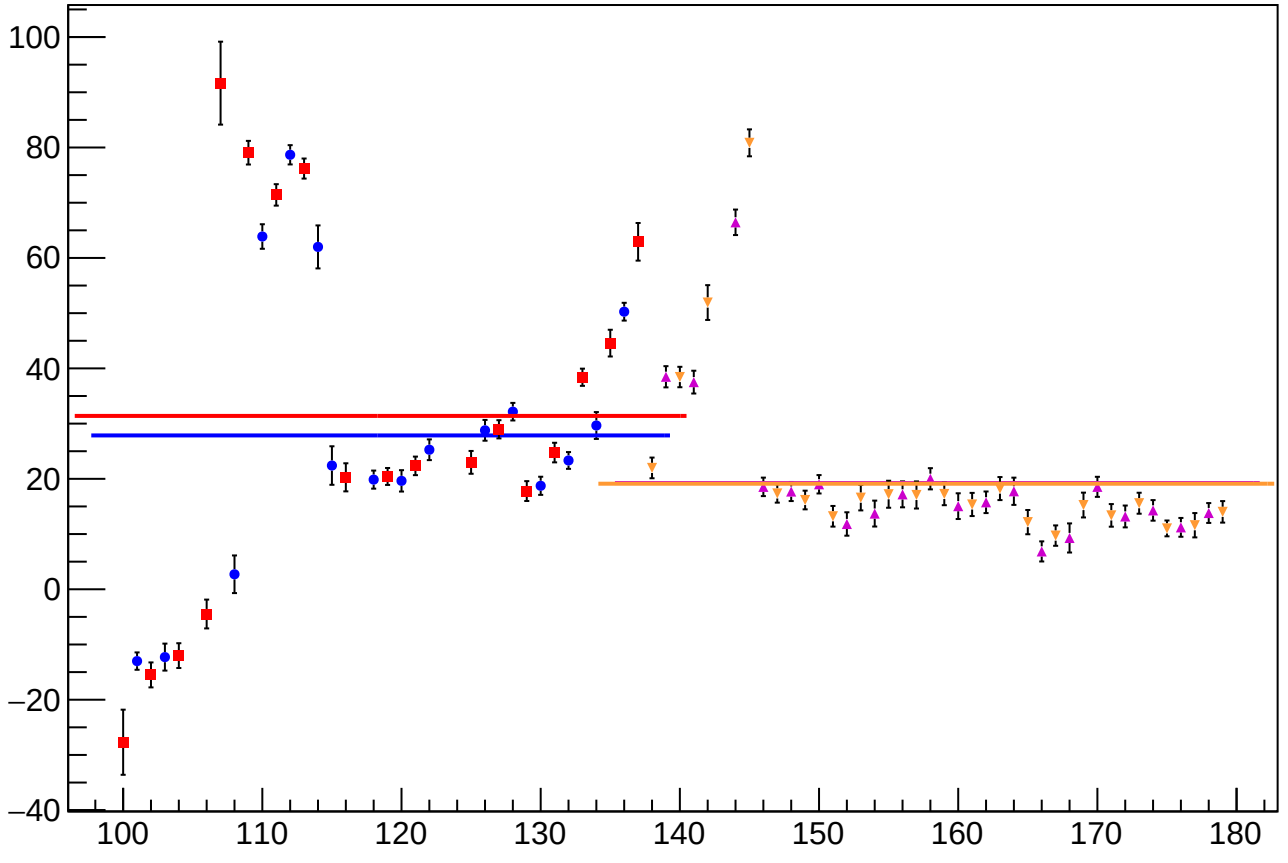
Left In: 3.432+/-0.323 χ^2/NDF:175.6/19

\+ sign 5.774+/-0.254 χ^2/NDF: 817.4/36

All: 5.824+/-0.182 χ^2/NDF: 1418.0/74

\- sign 5.877+/-0.259 χ^2/NDF: 600.5/37

reg_asym_usl_diff_bpm4eX_slope vs Slug



Right In: 27.860+/-0.482 χ^2/NDF: 2474.0/15

Left Out: 19.116+/-0.437 χ^2/NDF:981.3/20

Right Out: 31.394+/-0.488 χ^2/NDF: 3011.4/17

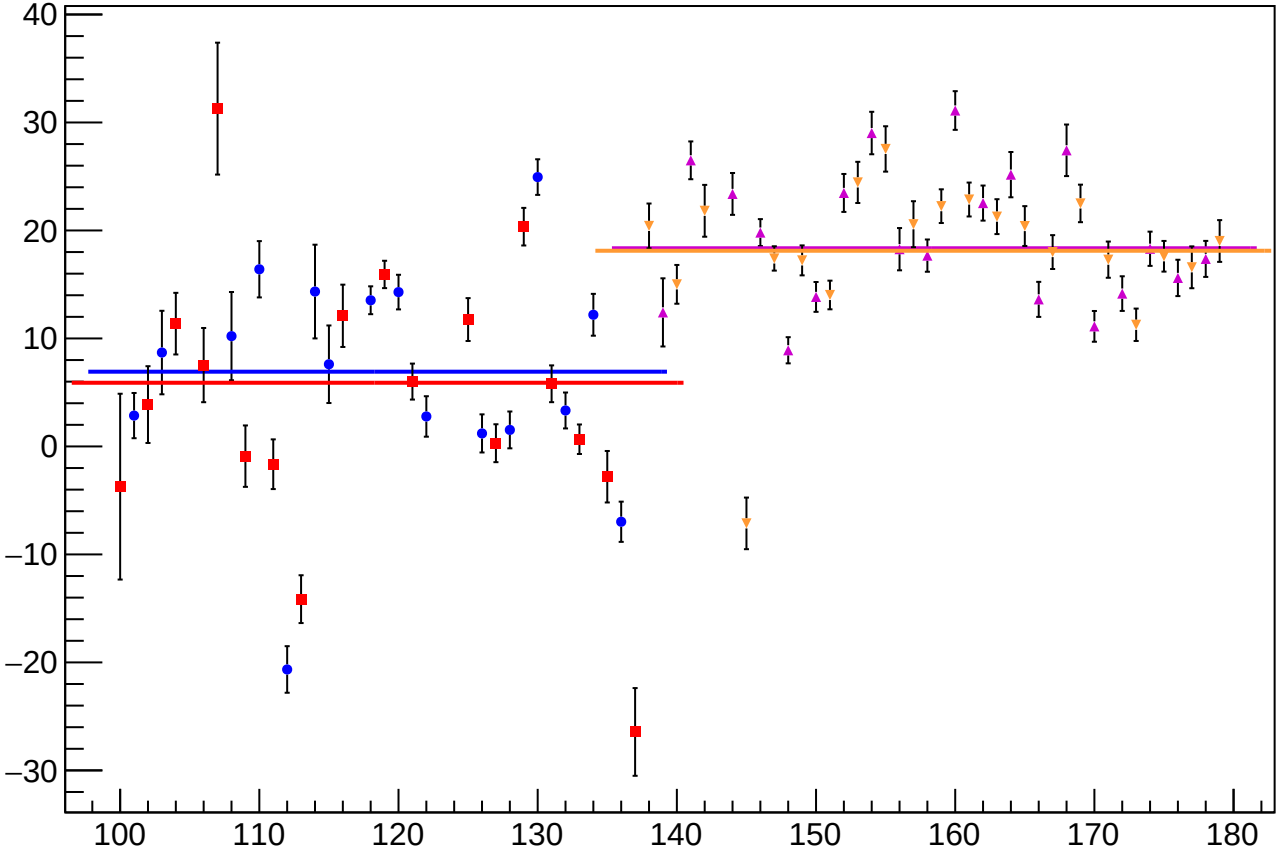
Left In: 19.236+/-0.440 χ^2/NDF:732.0/19

+ sign 23.058+/-0.324 χ^2/NDF: 3635.6/36

All: 23.870+/-0.230 χ^2/NDF: 7734.3/74

- sign 24.696+/-0.327 χ^2/NDF: 4086.0/37

reg_asym_usl_diff_bpm4eY_slope vs Slug



Right In: 6.922+/-0.496 χ^2/NDF: 444.3/15

Left Out: 18.121+/-0.364 χ^2/NDF:211.0/20

Right Out: 5.896+/-0.502 χ^2/NDF: 367.7/17

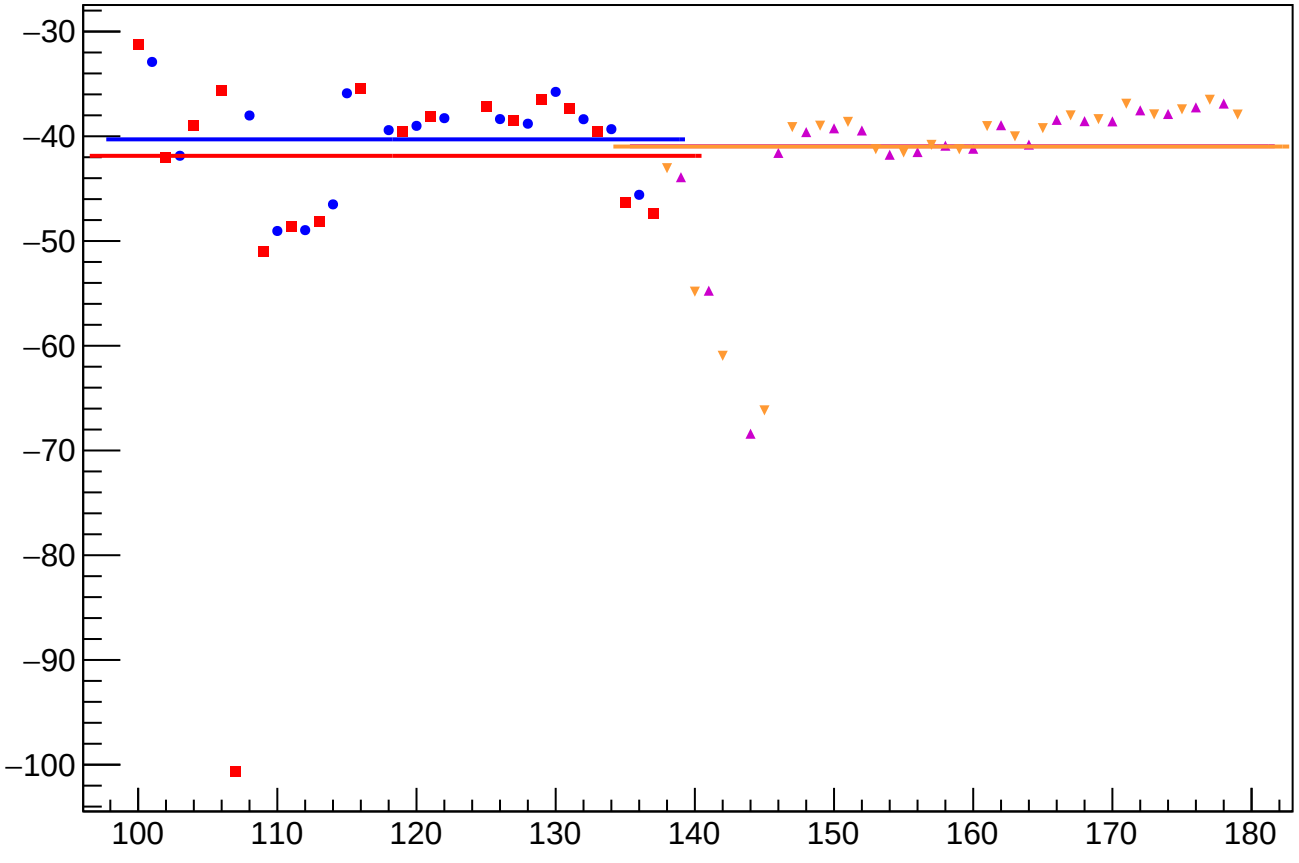
Left In: 18.351+/-0.370 χ^2/NDF:269.3/19

+ sign 14.197+/-0.293 χ^2/NDF: 987.1/36

All: 14.081+/-0.209 χ^2/NDF: 2023.4/74

- sign 13.961+/-0.298 χ^2/NDF: 1036.0/37

reg_asym_usl_diff_bpm12X_slope vs Slug



Right In: -40.293+/-0.031 χ^2/NDF: 20663.5/15

Left Out: -40.980+/-0.017 χ^2/NDF:141040.0/20

Right Out: -41.867+/-0.032 χ^2/NDF: 58734.8/17

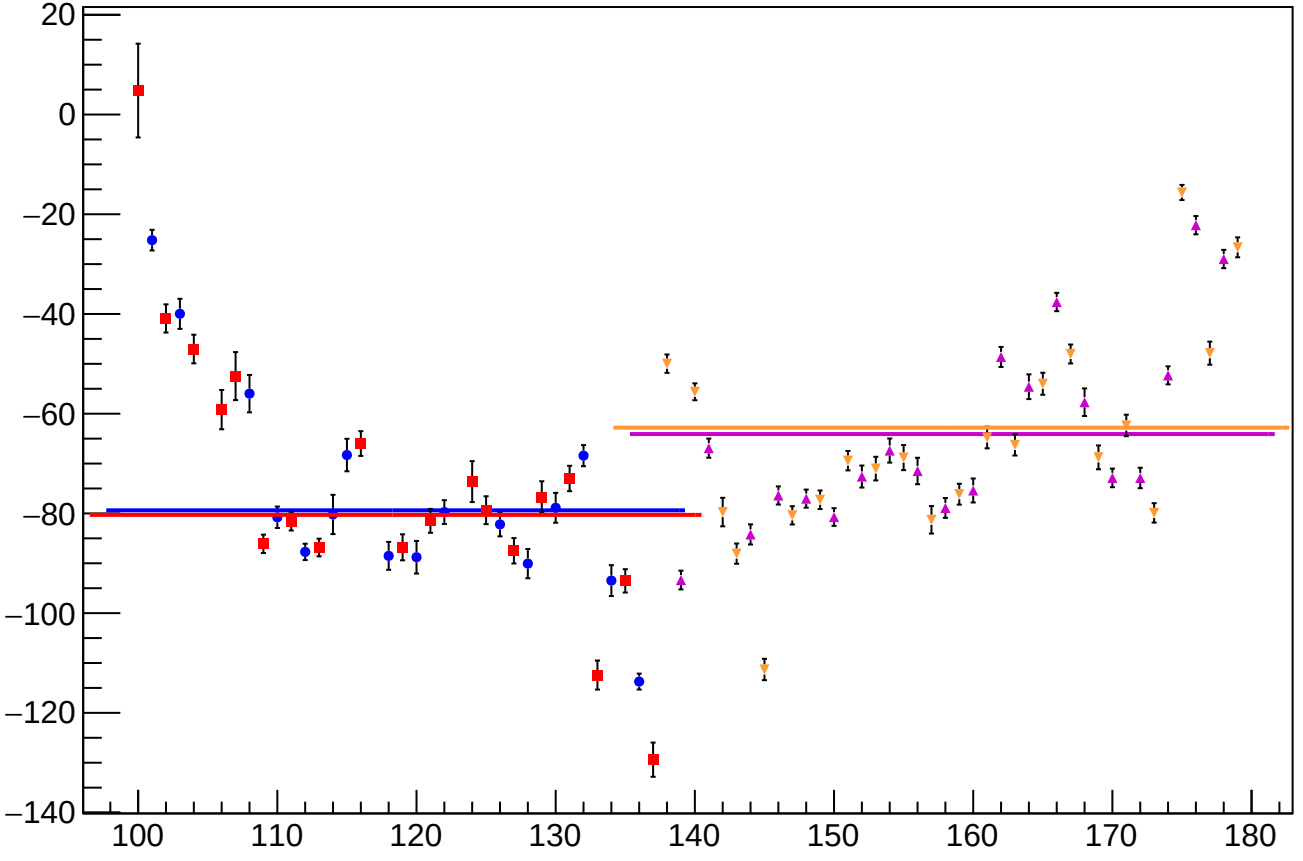
Left In: -40.948+/-0.017 χ^2/NDF:114302.1/19

+ sign -40.828+/-0.015 χ^2/NDF: 162075.8/36

All: -40.986+/-0.010 χ^2/NDF: 335985.6/74

- sign -41.143+/-0.015 χ^2/NDF: 173682.4/37

reg_asym_usr_diff_bpm1X_slope vs Slug



Right In: -79.382+/-0.611 χ^2/NDF: 1475.9/15

Left Out: -62.792+/-0.438 χ^2/NDF:2535.5/21

Right Out: -80.294+/-0.604 χ^2/NDF: 914.7/18

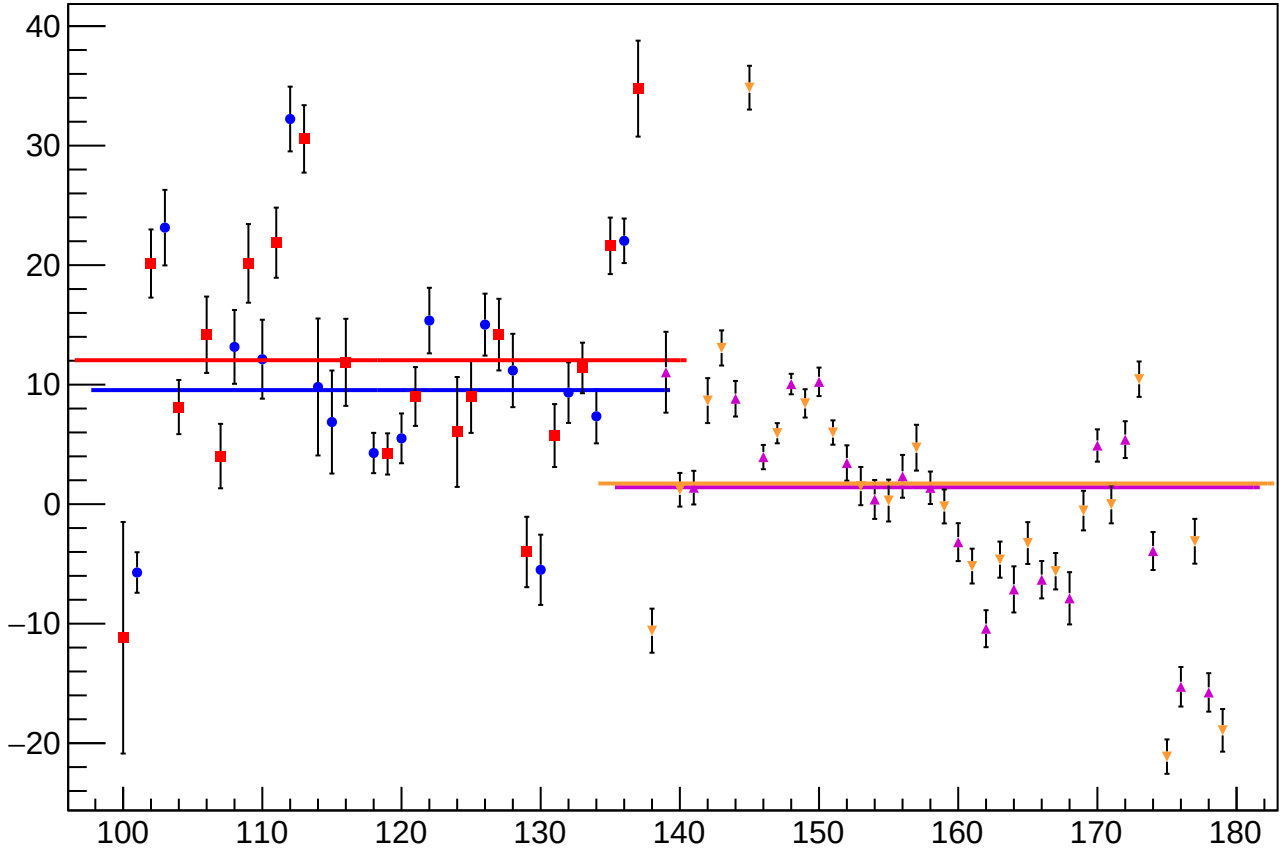
Left In: -64.083+/-0.450 χ^2/NDF:1891.6/19

+ sign -68.424+/-0.356 χ^2/NDF: 4498.3/37

All: -69.140+/-0.254 χ^2/NDF: 7775.6/76

- sign -69.876+/-0.361 χ^2/NDF: 3269.2/38

reg_asym_usr_diff_bpm4aY_slope vs Slug



Right In: 9.543+/-0.621 χ^2/NDF: 267.1/15

Left Out: 1.730+/-0.311 χ^2/NDF:1027.0/21

Right Out: 12.044+/-0.637 χ^2/NDF: 195.8/18

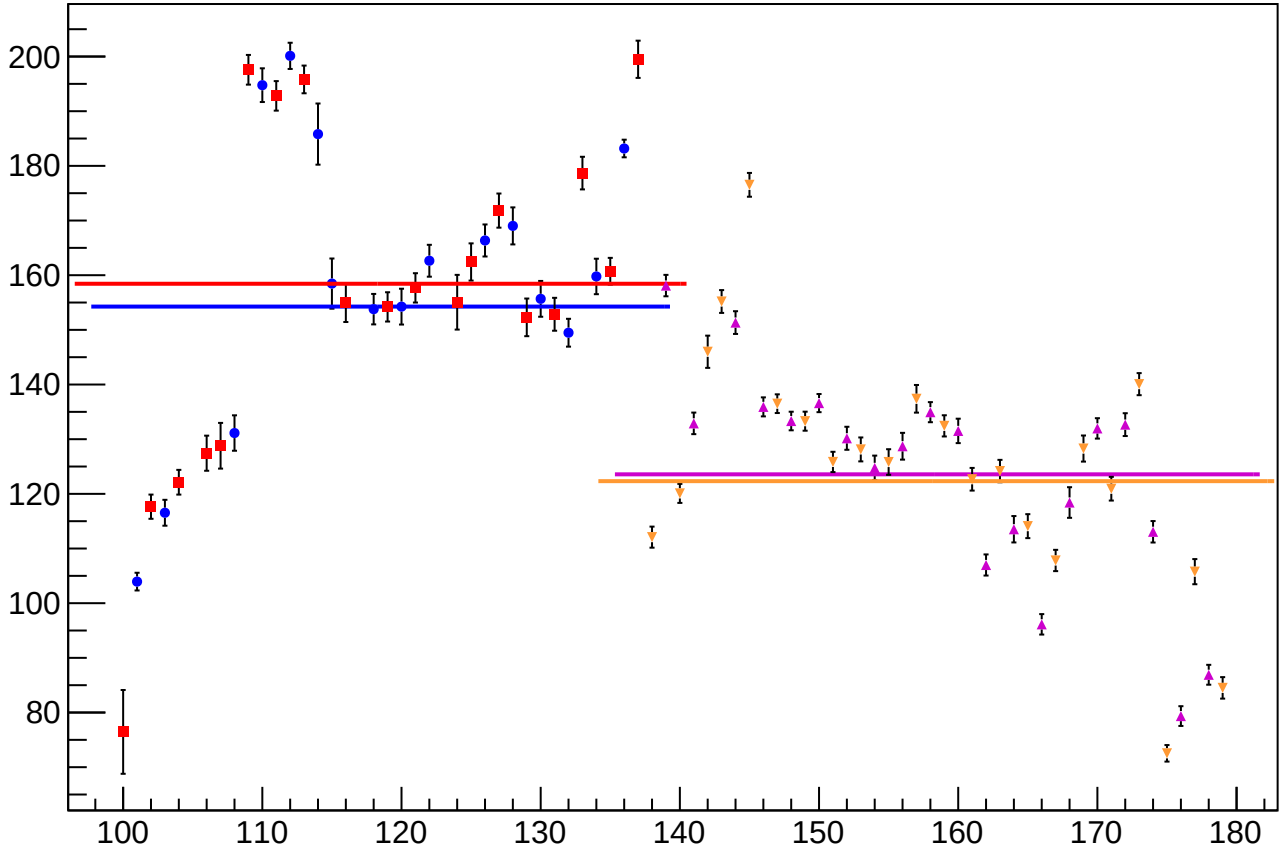
Left In: 1.413+/-0.323 χ^2/NDF:567.3/19

\+ sign 3.292+/-0.278 χ^2/NDF: 1420.6/37

All: 3.435+/-0.200 χ^2/NDF: 2405.9/76

\- sign 3.588+/-0.288 χ^2/NDF: 984.8/38

reg_asym_usr_diff_bpm4eX_slope vs Slug



Right In: 154.260+/-0.662 χ^2/NDF: 2213.7/15

Left Out: 122.324+/-0.431 χ^2/NDF:2804.9/21

Right Out: 158.435+/-0.683 χ^2/NDF: 1664.2/18

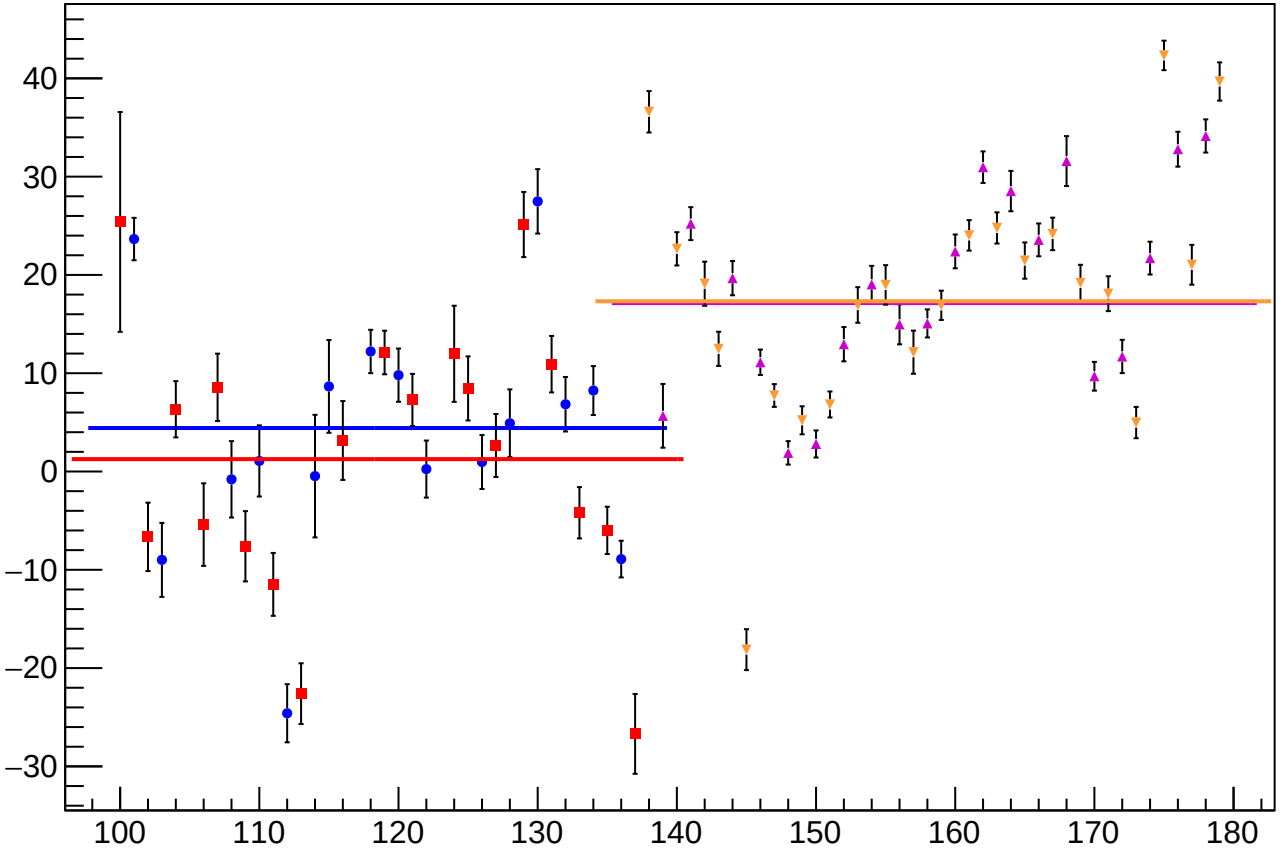
Left In: 123.572+/-0.442 χ^2/NDF:2105.2/19

+ sign 131.827+/-0.361 χ^2/NDF: 6654.7/37

All: 132.824+/-0.259 χ^2/NDF: 12277.3/76

- sign 133.877+/-0.371 χ^2/NDF: 5606.9/38

reg_asym_usr_diff_bpm4eY_slope vs Slug



Right In: 4.424+/-0.714 χ^2/NDF: 316.1/15

Left Out: 17.321+/-0.358 χ^2/NDF:1139.9/21

Right Out: 1.260+/-0.732 χ^2/NDF: 264.9/18

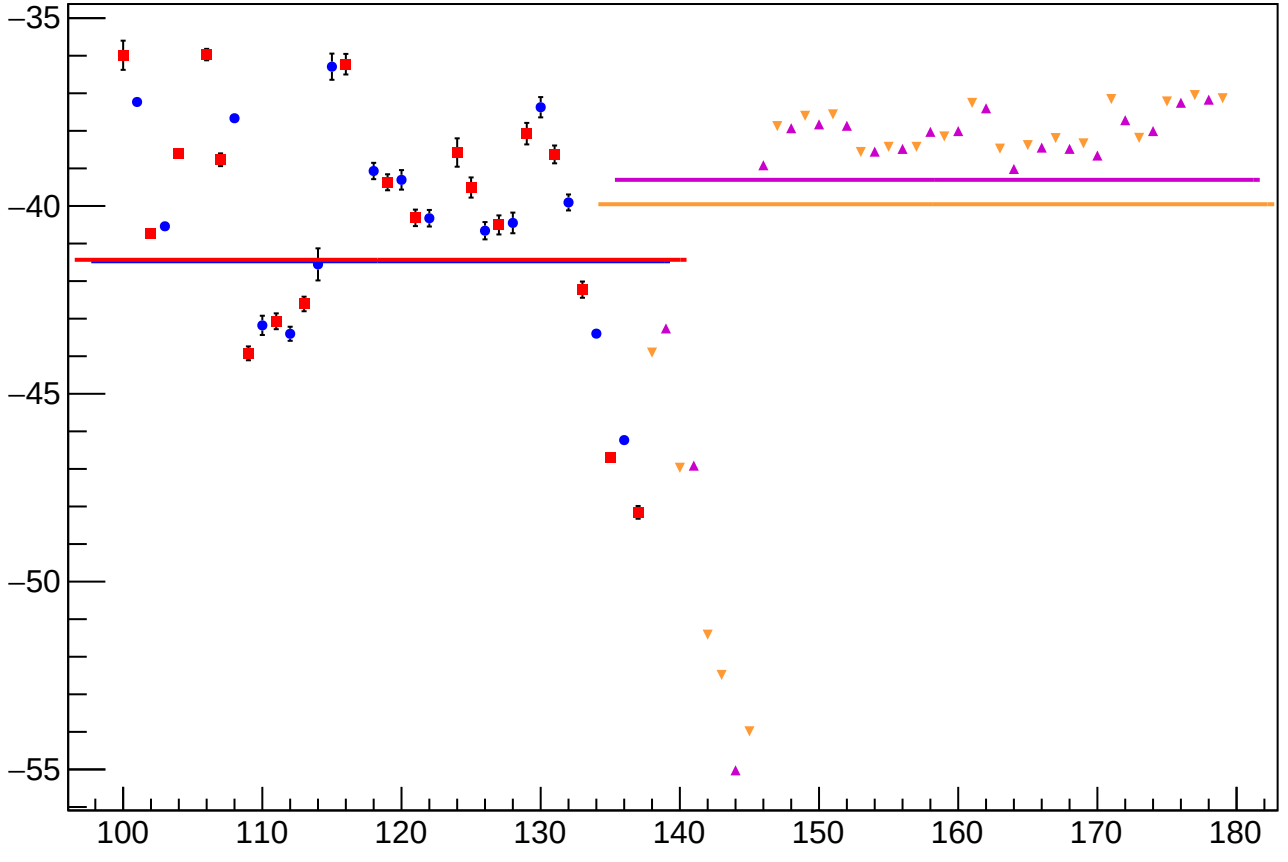
Left In: 17.135+/-0.371 χ^2/NDF:725.8/19

+ sign 14.726+/-0.320 χ^2/NDF: 1716.6/37

All: 14.322+/-0.230 χ^2/NDF: 3085.2/76

- sign 13.891+/-0.331 χ^2/NDF: 1365.3/38

reg_asym_usr_diff_bpm12X_slope vs Slug



Right In: -41.472+/-0.038 χ^2/NDF: 7912.0/15

Left Out: -39.954+/-0.017 χ^2/NDF:80752.4/21

Right Out: -41.433+/-0.040 χ^2/NDF: 8225.4/18

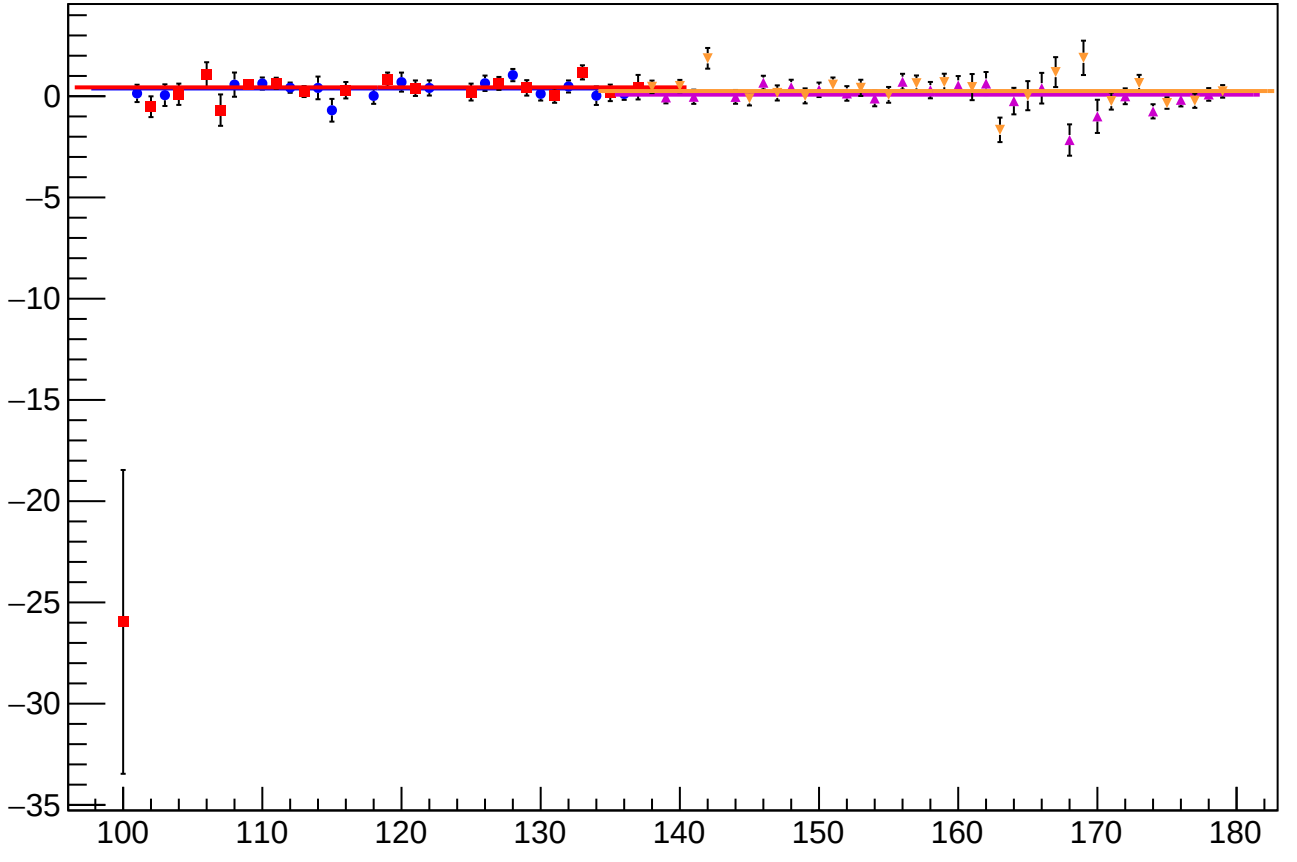
Left In: -39.304+/-0.017 χ^2/NDF:45985.5/19

+ sign -40.195+/-0.015 χ^2/NDF: 89998.8/37

All: -39.916+/-0.011 χ^2/NDF: 147355.4/76

- sign -39.628+/-0.015 χ^2/NDF: 56671.3/38

reg_asym_dsl_diff_bpm1X_slope vs Slug



Right In: 0.382+/-0.092 χ^2/NDF: 14.0/15

Left Out: 0.254+/-0.086 χ^2/NDF:40.1/20

Right Out: 0.436+/-0.090 χ^2/NDF: 29.0/17

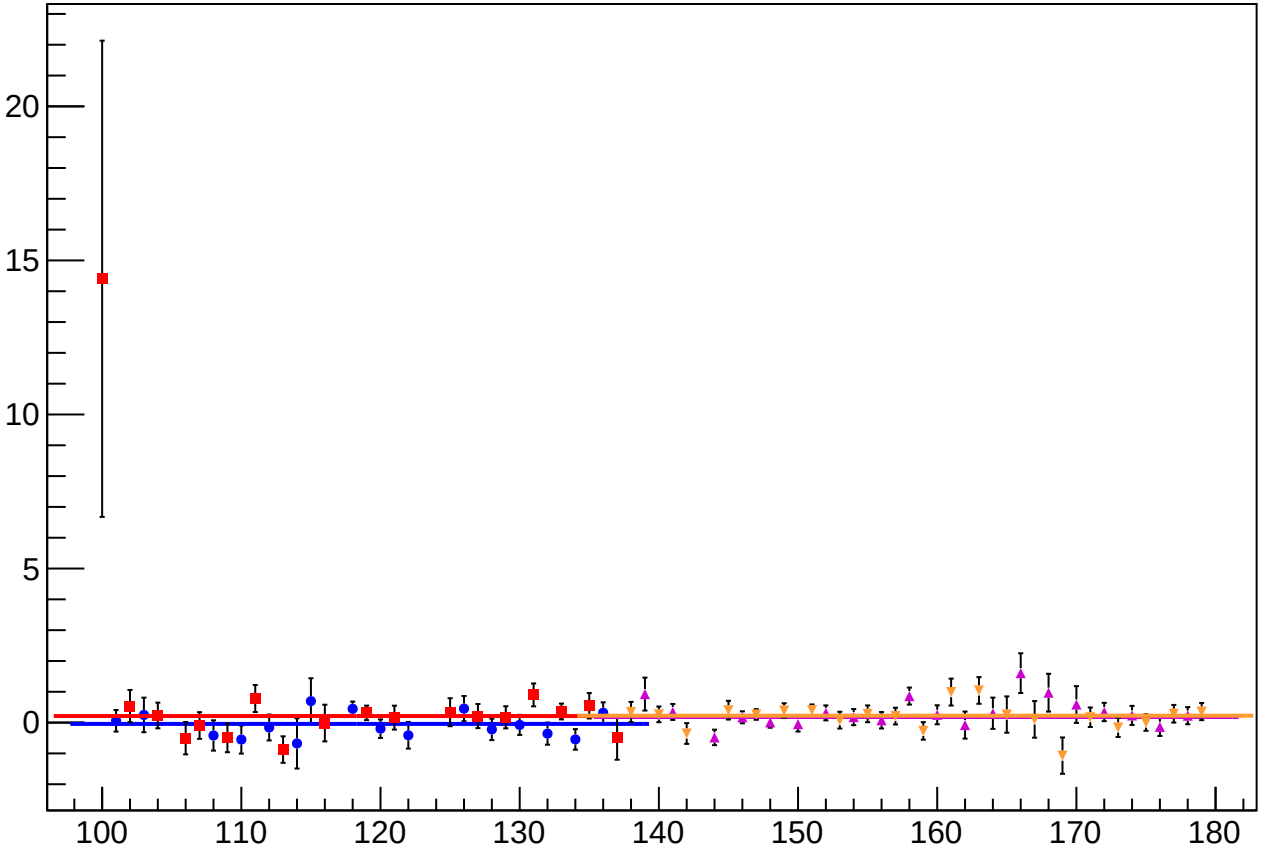
Left In: 0.076+/-0.088 χ^2/NDF:26.7/19

+ sign 0.314+/-0.063 χ^2/NDF: 55.1/36

All: 0.283+/-0.045 χ^2/NDF: 119.4/74

- sign 0.253+/-0.063 χ^2/NDF: 63.8/37

reg_asym_dsl_diff_bpm4aY_slope vs Slug



Right In: -0.043+/-0.094 χ^2/NDF: 15.0/15

Left Out: 0.225+/-0.062 χ^2/NDF:22.4/20

Right Out: 0.213+/-0.095 χ^2/NDF: 22.4/17

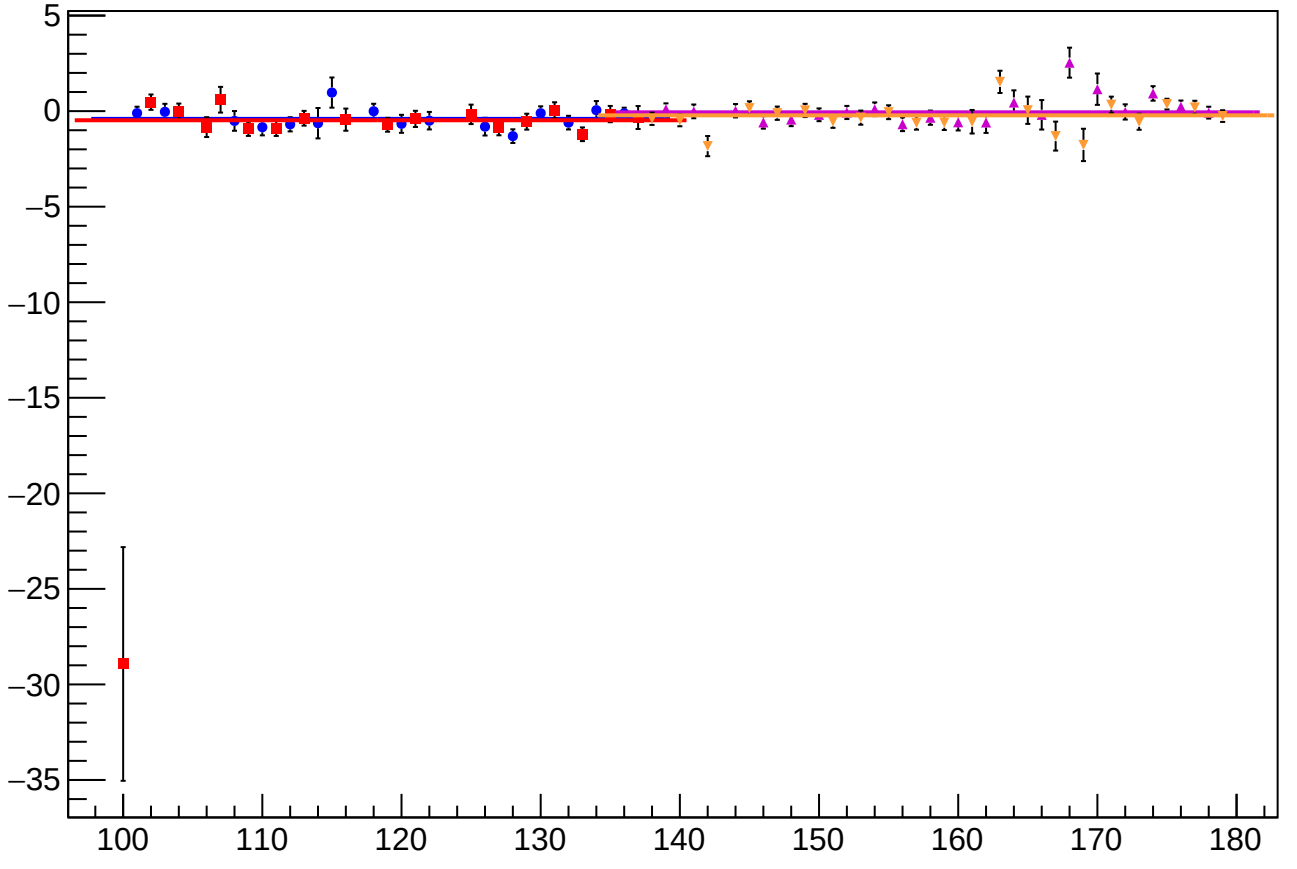
Left In: 0.182+/-0.064 χ^2/NDF:26.6/19

+ sign 0.143+/-0.052 χ^2/NDF: 43.0/36

All: 0.167+/-0.037 χ^2/NDF: 92.5/74

- sign 0.192+/-0.053 χ^2/NDF: 49.1/37

reg_asym_dsl_diff_bpm4eX_slope vs Slug



Right In: -0.406+/-0.103 χ^2/NDF: 17.8/15

Left Out: -0.220+/-0.085 χ^2/NDF:38.5/20

Right Out: -0.478+/-0.104 χ^2/NDF: 42.3/17

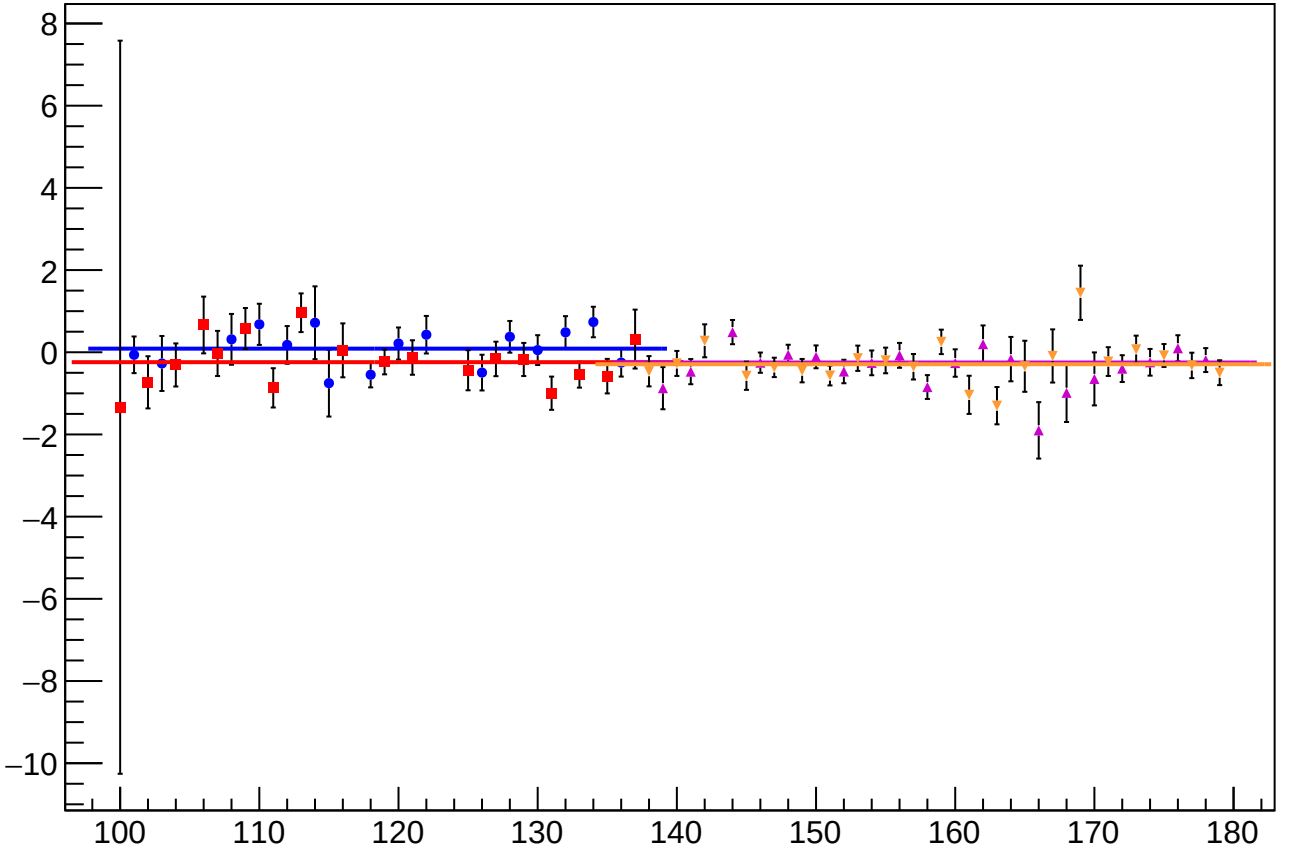
Left In: -0.063+/-0.087 χ^2/NDF:31.9/19

+ sign -0.295+/-0.065 χ^2/NDF: 58.2/36

All: -0.264+/-0.047 χ^2/NDF: 142.2/74

- sign -0.232+/-0.067 χ^2/NDF: 83.5/37

reg_asym_dsl_diff_bpm4eY_slope vs Slug



Right In: 0.088+/-0.108 χ^2/NDF: 15.9/15

Left Out: -0.291+/-0.072 χ^2/NDF:25.1/20

Right Out: -0.241+/-0.110 χ^2/NDF: 19.6/17

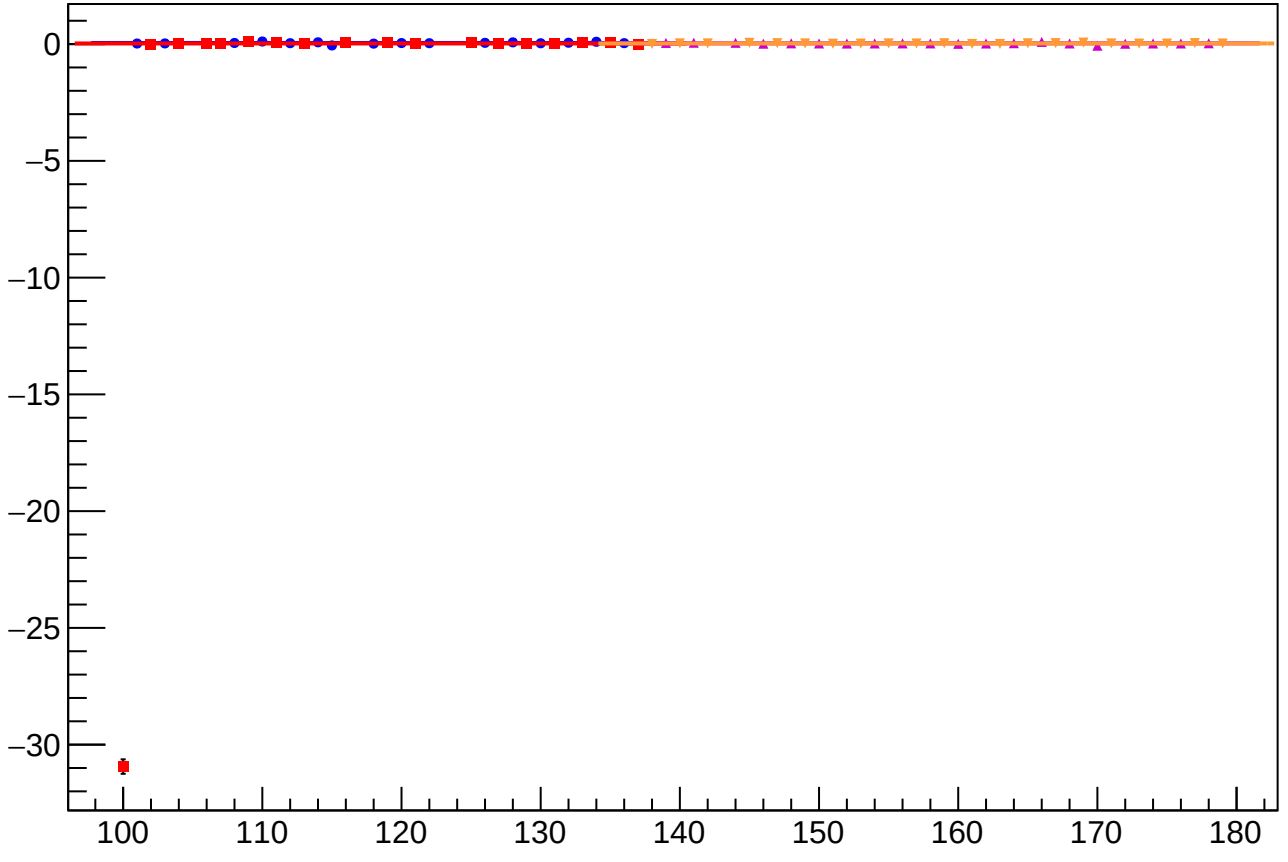
Left In: -0.250+/-0.074 χ^2/NDF:24.0/19

+ sign -0.174+/-0.060 χ^2/NDF: 49.5/36

All: -0.210+/-0.043 χ^2/NDF: 93.8/74

- sign -0.247+/-0.061 χ^2/NDF: 43.6/37

reg_asym_dsl_diff_bpm12X_slope vs Slug



Right In: 0.049+/-0.006 χ^2/NDF: 19.2/15

Left Out: 0.028+/-0.003 χ^2/NDF:13.8/20

Right Out: 0.028+/-0.006 χ^2/NDF: 10020.9/17

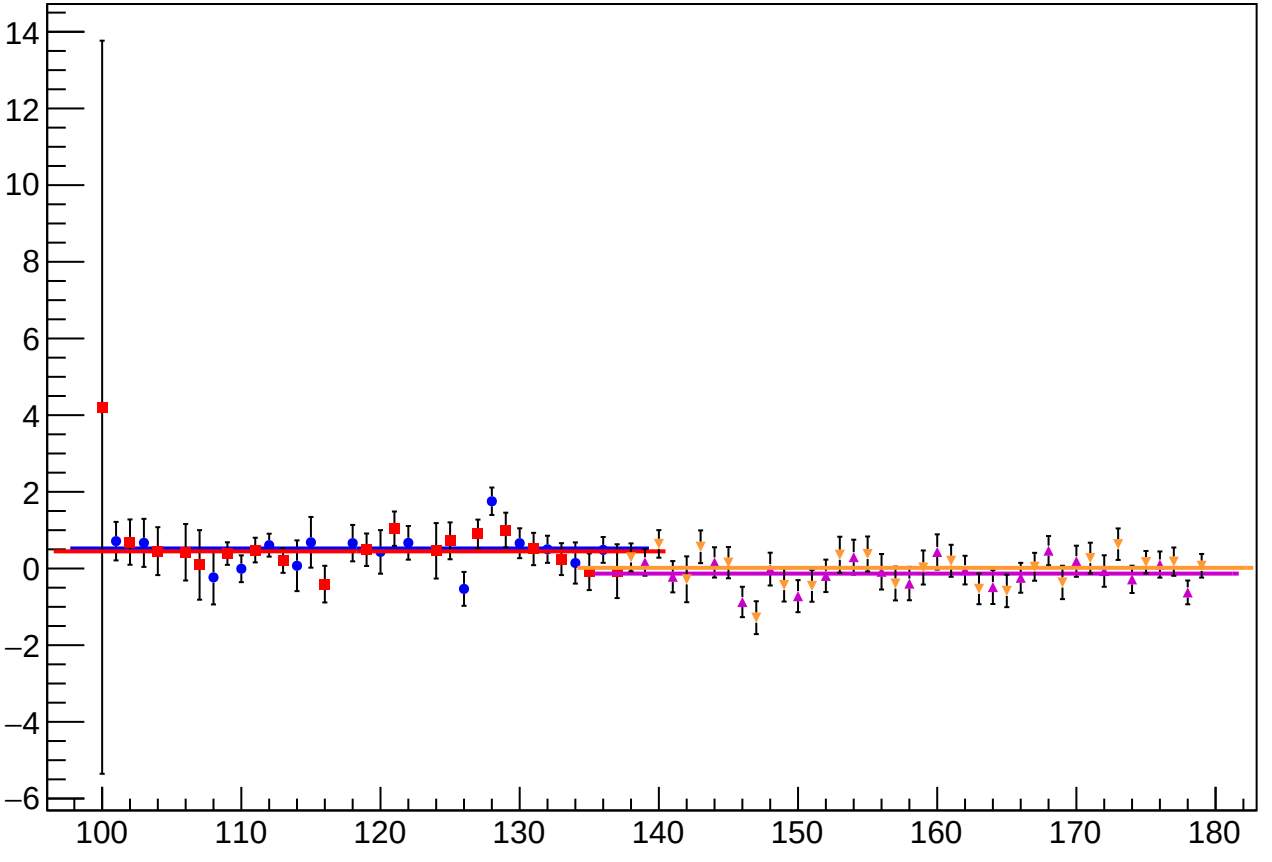
Left In: 0.032+/-0.003 χ^2/NDF:30.5/19

+ sign 0.032+/-0.003 χ^2/NDF: 41.5/36

All: 0.032+/-0.002 χ^2/NDF: 10093.4/74

- sign 0.031+/-0.003 χ^2/NDF: 10051.9/37

reg_asym_dsr_diff_bpm1X_slope vs Slug



Right In: 0.522+/-0.108 χ^2/NDF: 22.6/15

Left Out: 0.017+/-0.085 χ^2/NDF:27.2/21

Right Out: 0.448+/-0.105 χ^2/NDF: 11.4/18

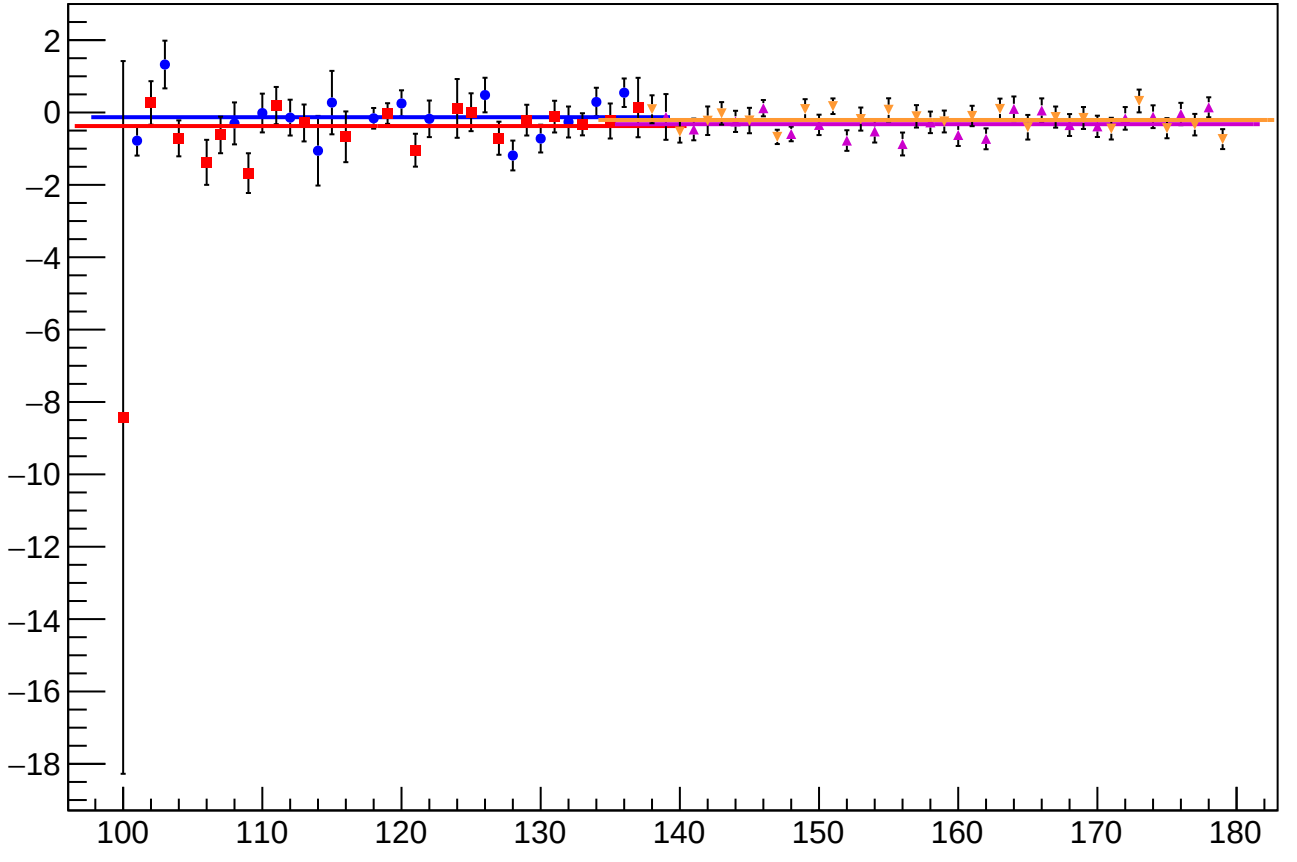
Left In: -0.133+/-0.088 χ^2/NDF:16.7/19

+ sign 0.210+/-0.067 χ^2/NDF: 63.2/37

All: 0.159+/-0.048 χ^2/NDF: 110.3/76

- sign 0.108+/-0.068 χ^2/NDF: 45.9/38

reg_asym_dsr_diff_bpm4aY_slope vs Slug



Right In: -0.130+/-0.112 χ^2/NDF: 24.6/15

Left Out: -0.207+/-0.062 χ^2/NDF:22.6/21

Right Out: -0.375+/-0.111 χ^2/NDF: 18.2/18

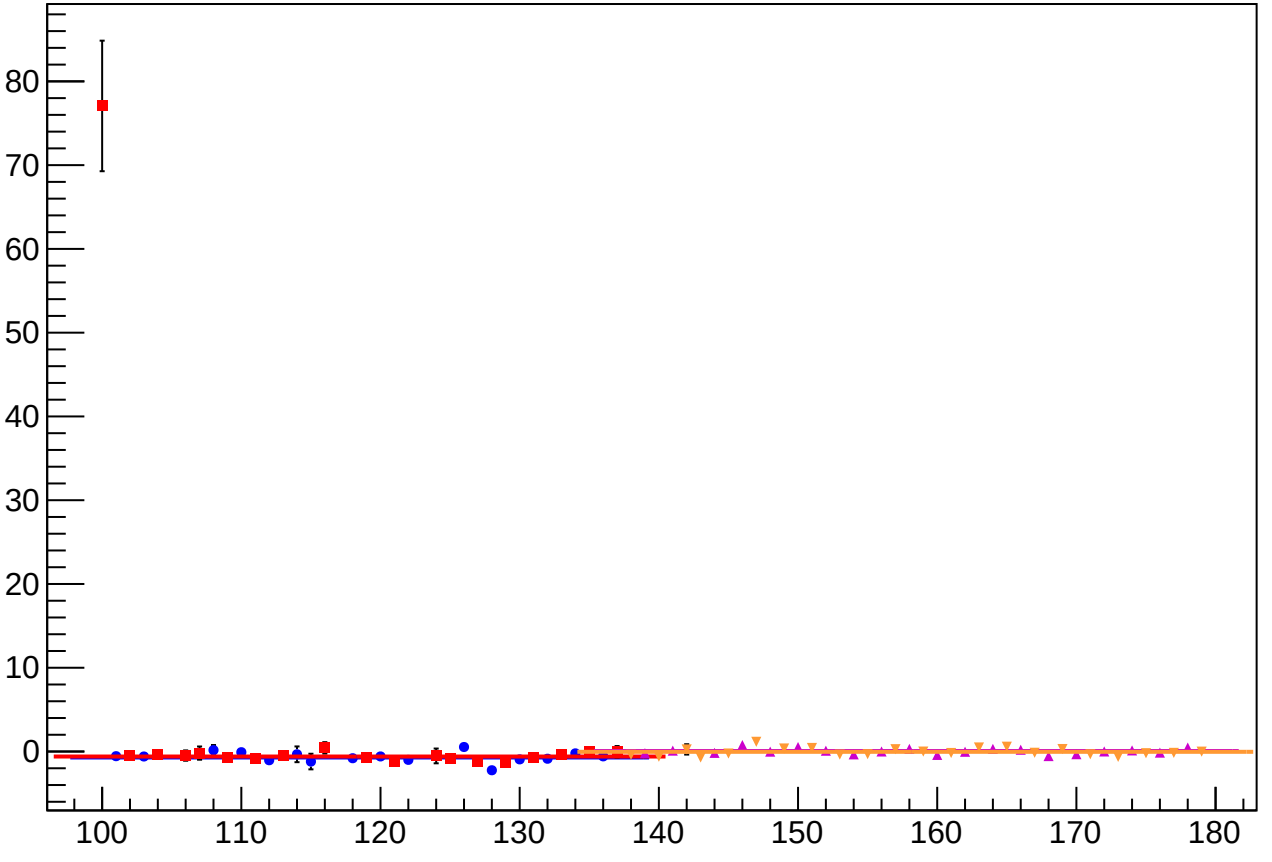
Left In: -0.323+/-0.066 χ^2/NDF:22.2/19

+ sign -0.189+/-0.054 χ^2/NDF: 47.5/37

All: -0.260+/-0.039 χ^2/NDF: 91.7/76

- sign -0.336+/-0.056 χ^2/NDF: 40.6/38

reg_asym_dsr_diff_bpm4eX_slope vs Slug



Right In: -0.713+/-0.122 χ^2/NDF: 24.9/15

Left Out: -0.035+/-0.084 χ^2/NDF:26.8/21

Right Out: -0.597+/-0.122 χ^2/NDF: 110.9/18

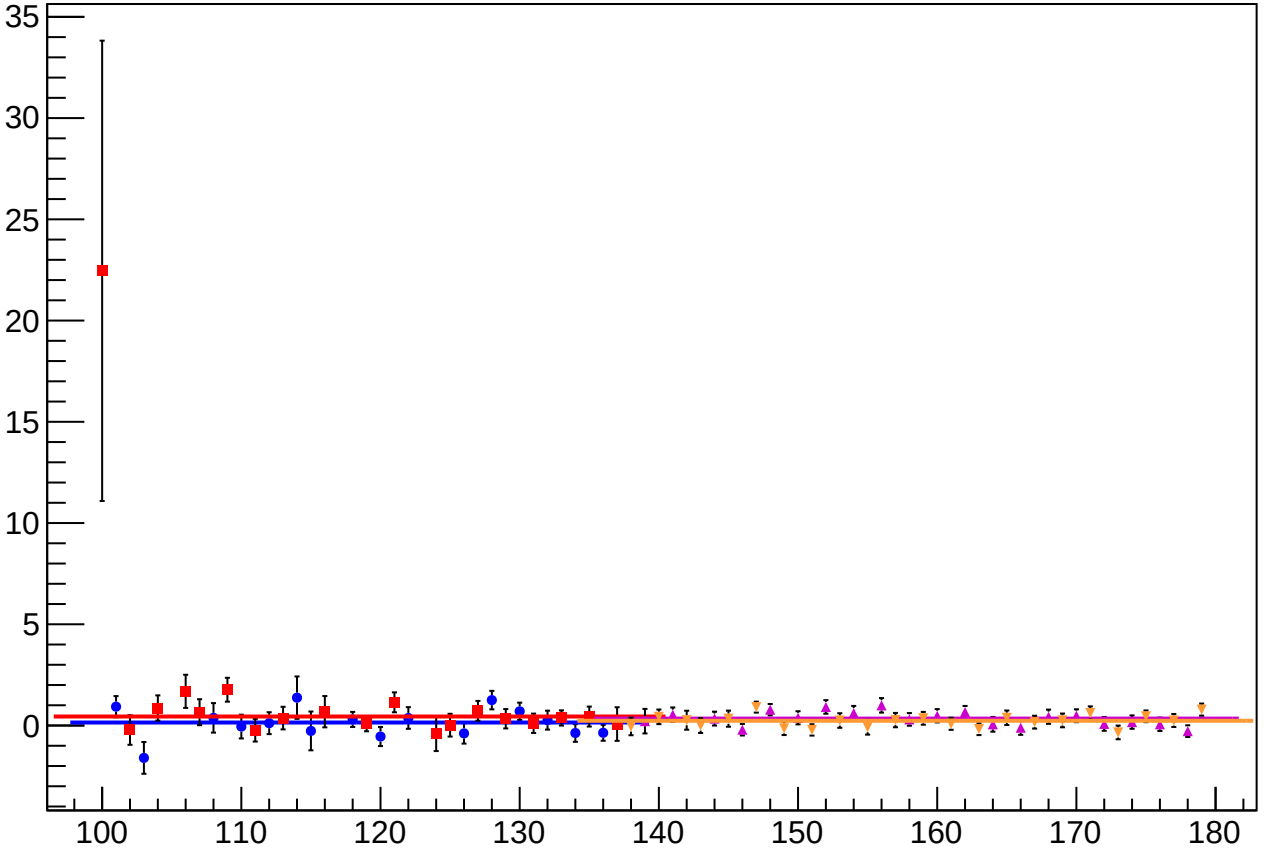
Left In: 0.057+/-0.087 χ^2/NDF:14.4/19

+ sign -0.254+/-0.069 χ^2/NDF: 72.8/37

All: -0.210+/-0.049 χ^2/NDF: 218.1/76

- sign -0.164+/-0.071 χ^2/NDF: 144.5/38

reg_asym_dsr_diff_bpm4eY_slope vs Slug



Right In: 0.148+/-0.128 χ^2/NDF: 23.3/15

Left Out: 0.234+/-0.071 χ^2/NDF:22.7/21

Right Out: 0.445+/-0.128 χ^2/NDF: 19.7/18

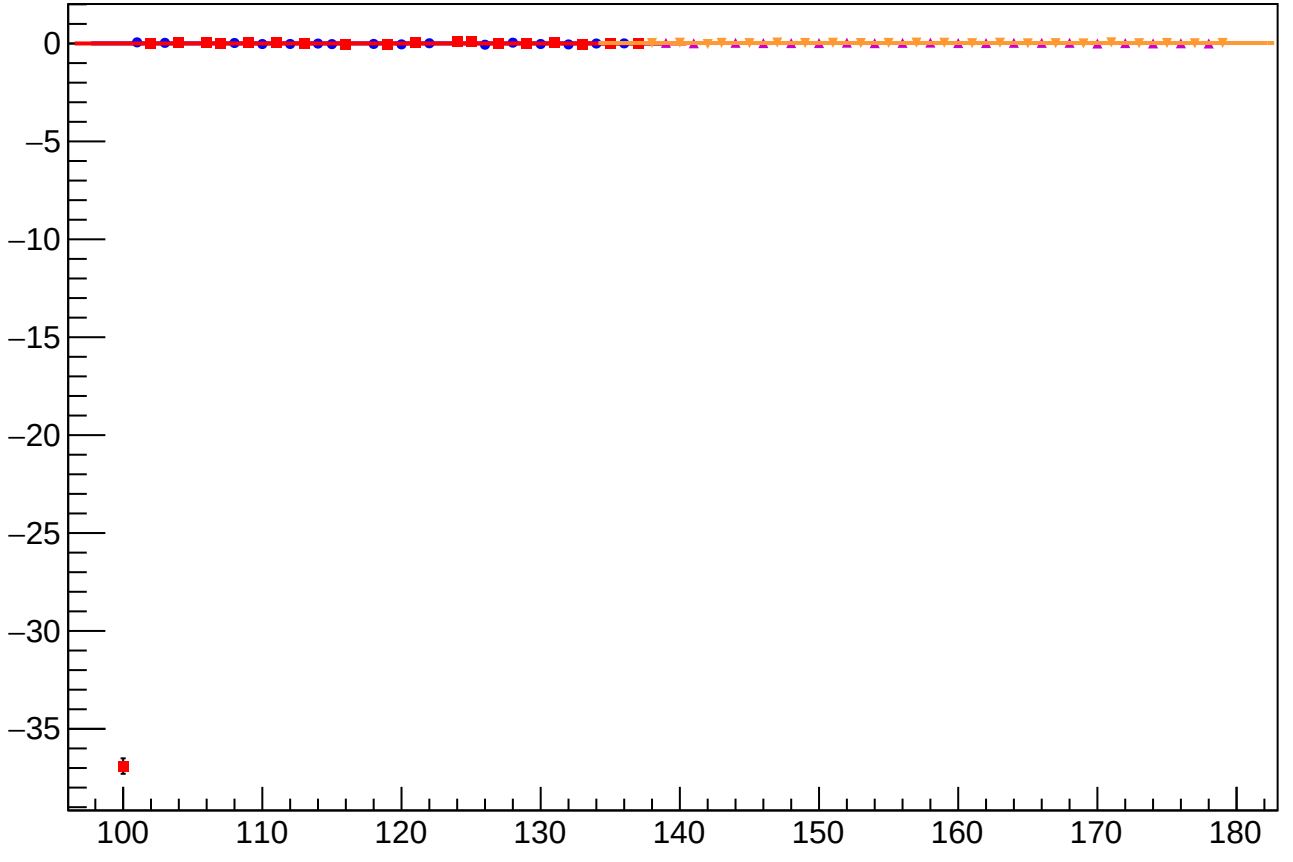
Left In: 0.341+/-0.074 χ^2/NDF:23.4/19

+ sign 0.214+/-0.062 χ^2/NDF: 46.3/37

All: 0.288+/-0.045 χ^2/NDF: 92.8/76

- sign 0.367+/-0.064 χ^2/NDF: 43.6/38

reg_asym_dsr_diff_bpm12X_slope vs Slug



Right In: 0.006+/-0.007 χ^2/NDF: 17.6/15

Left Out: 0.026+/-0.003 χ^2/NDF:23.4/21

Right Out: 0.002+/-0.007 χ^2/NDF: 8753.3/18

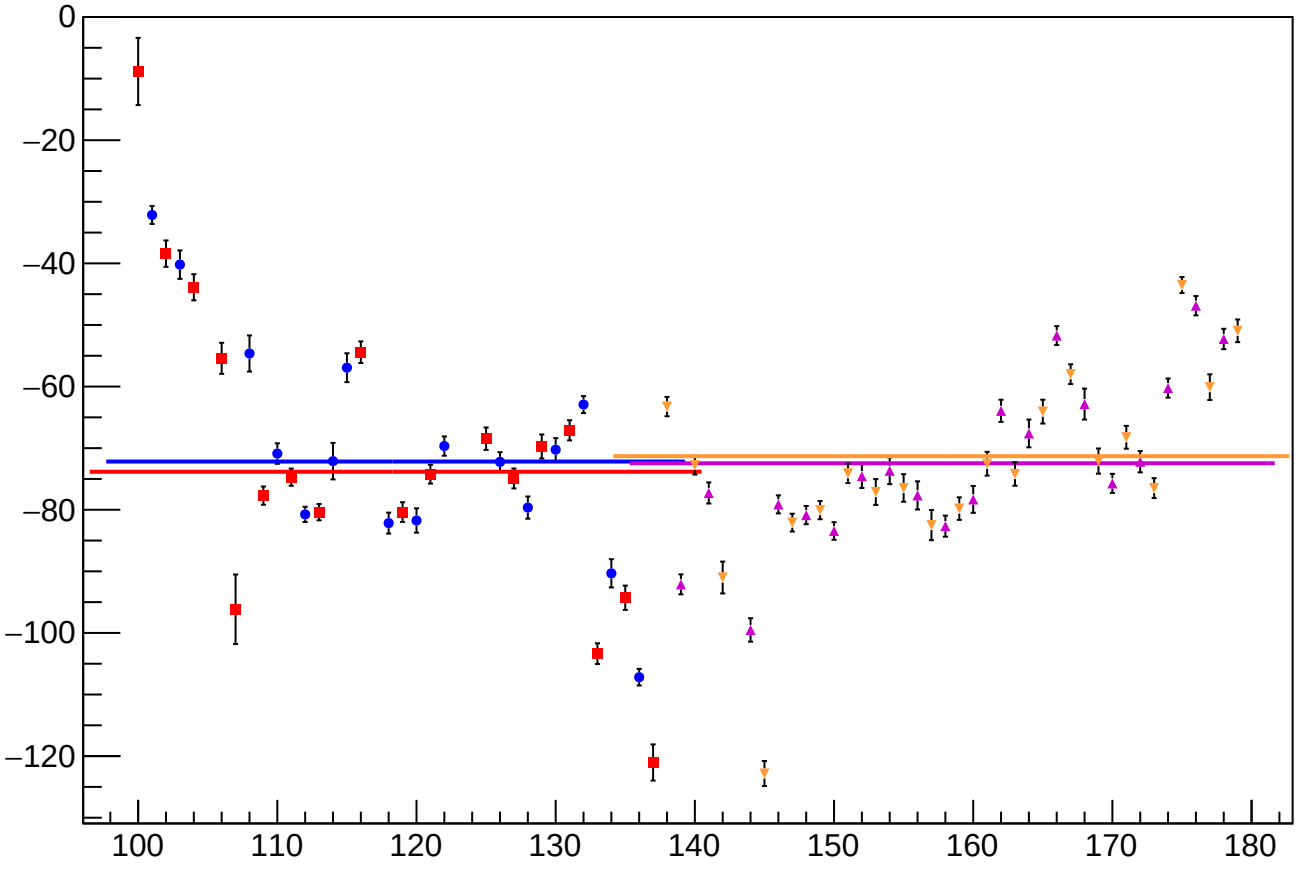
Left In: 0.025+/-0.003 χ^2/NDF:16.9/19

+ sign 0.023+/-0.003 χ^2/NDF: 47.2/37

All: 0.022+/-0.002 χ^2/NDF: 8825.4/76

- sign 0.021+/-0.003 χ^2/NDF: 8778.0/38

reg_asym_us_avg_diff_bpm1X_slope vs Slug



Right In: -72.173+/-0.432 χ^2/NDF: 1936.0/15

Left Out: -71.301+/-0.387 χ^2/NDF:1586.4/20

Right Out: -73.831+/-0.431 χ^2/NDF: 1557.7/17

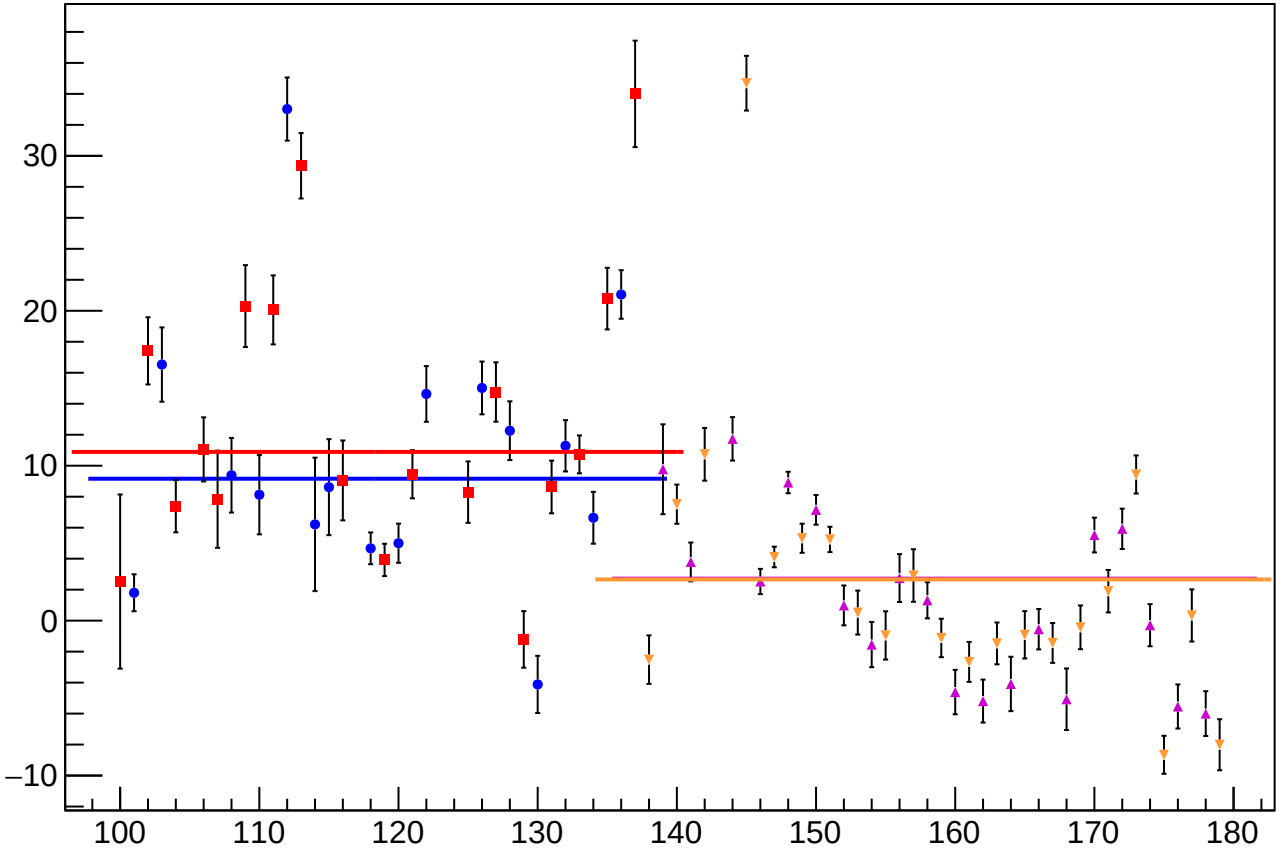
Left In: -72.453+/-0.387 χ^2/NDF:1227.3/19

+ sign -71.689+/-0.288 χ^2/NDF: 3524.7/36

All: -72.379+/-0.204 χ^2/NDF: 6326.8/74

- sign -73.069+/-0.288 χ^2/NDF: 2790.7/37

reg_asym_us_avg_diff_bpm4aY_slope vs Slug



Right In: 9.161+/-0.425 χ^2/NDF: 352.1/15

Left Out: 2.659+/-0.270 χ^2/NDF:622.6/20

Right Out: 10.892+/-0.440 χ^2/NDF: 290.2/17

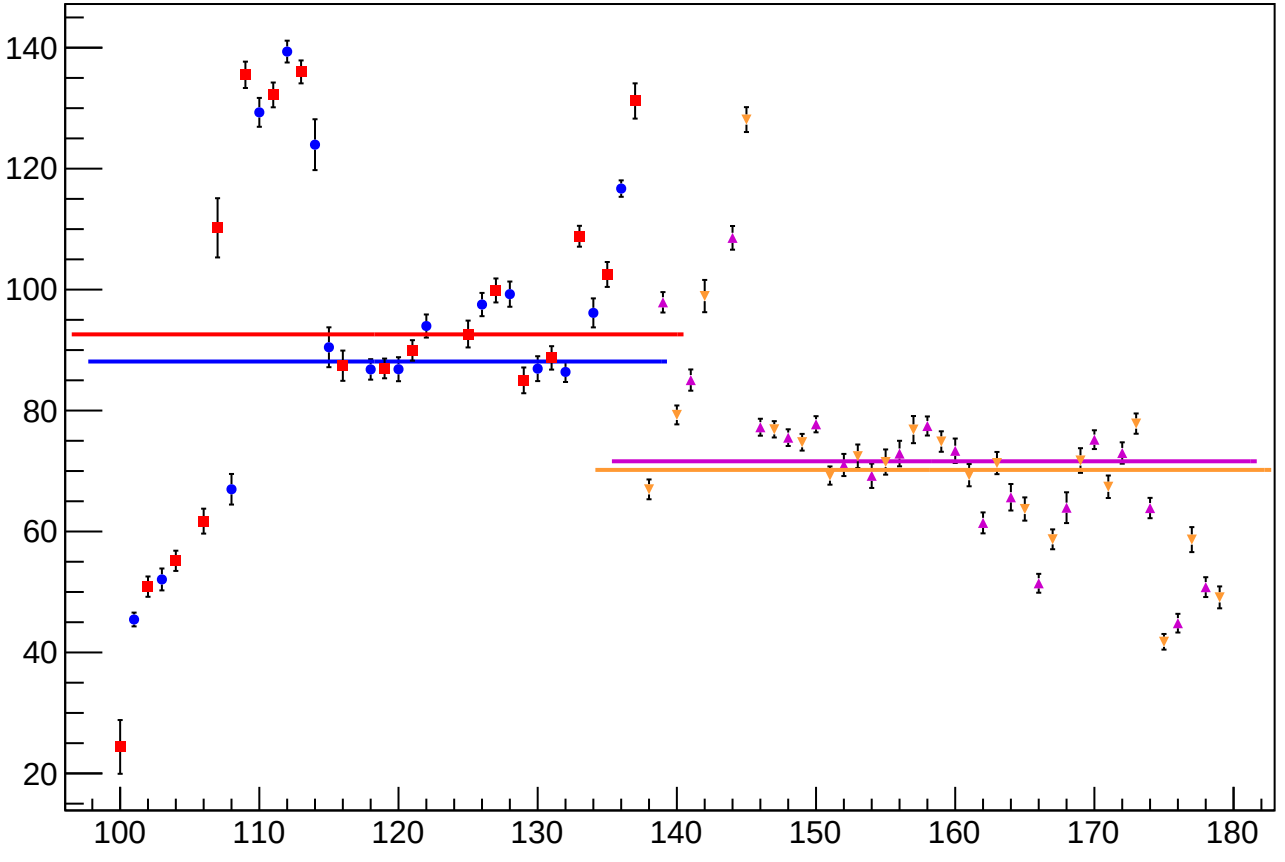
Left In: 2.710+/-0.275 χ^2/NDF:343.6/19

+ sign 4.524+/-0.228 χ^2/NDF: 1141.5/36

All: 4.760+/-0.163 χ^2/NDF: 2026.1/74

- sign 5.007+/-0.233 χ^2/NDF: 882.4/37

reg_asym_us_avg_diff_bpm4eX_slope vs Slug



Right In: 88.109+/-0.469 χ^2/NDF: 3561.7/15

Left Out: 70.186+/-0.379 χ^2/NDF:1734.2/20

Right Out: 92.596+/-0.483 χ^2/NDF: 3211.0/17

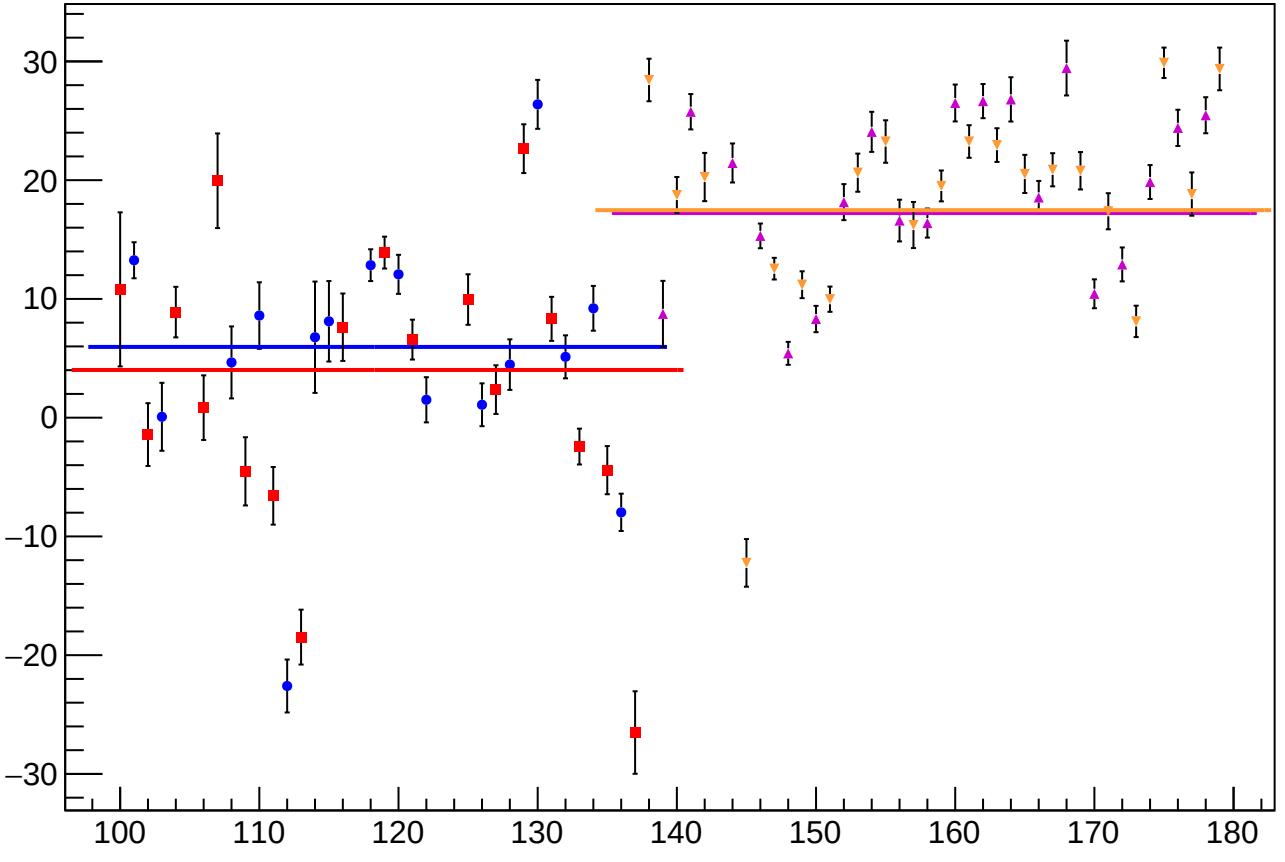
Left In: 71.611+/-0.380 χ^2/NDF:1425.1/19

\+ sign 77.267+/-0.295 χ^2/NDF: 6180.9/36

All: 78.429+/-0.210 χ^2/NDF: 12014.8/74

\- sign 79.623+/-0.299 χ^2/NDF: 5802.4/37

reg_asym_us_avg_diff_bpm4eY_slope vs Slug



Right In: 5.958+/-0.495 χ^2/NDF: 426.8/15

Left Out: 17.475+/-0.313 χ^2/NDF:621.2/20

Right Out: 4.017+/-0.510 χ^2/NDF: 417.7/17

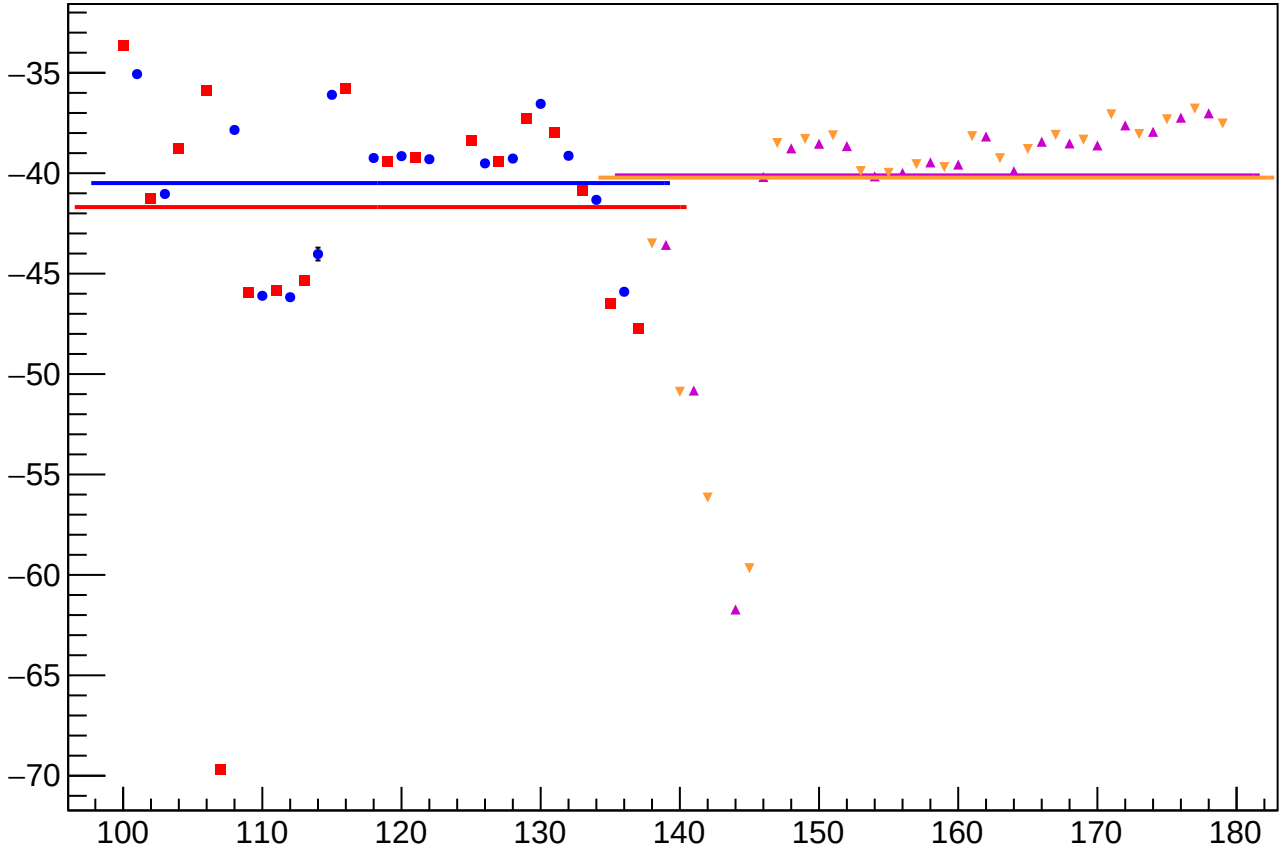
Left In: 17.231+/-0.317 χ^2/NDF:513.0/19

+ sign 14.185+/-0.264 χ^2/NDF: 1435.2/36

All: 13.870+/-0.189 χ^2/NDF: 2853.5/74

- sign 13.543+/-0.269 χ^2/NDF: 1415.4/37

reg_asym_us_avg_diff_bpm12X_slope vs Slug



Right In: -40.491+/-0.028 χ^2/NDF: 18125.4/15

Left Out: -40.218+/-0.015 χ^2/NDF:120612.5/20

Right Out: -41.686+/-0.029 χ^2/NDF: 36838.6/17

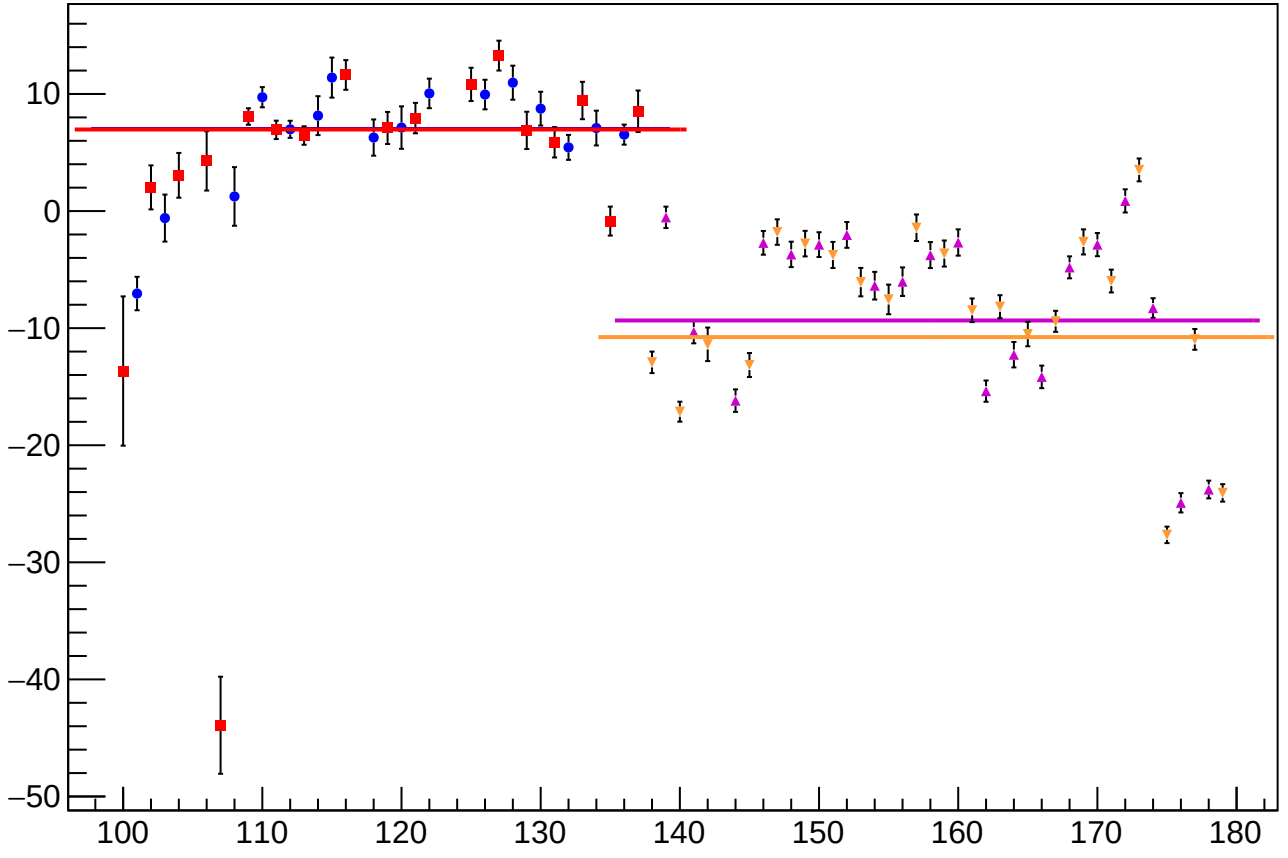
Left In: -40.108+/-0.014 χ^2/NDF:97504.7/19

+ sign -40.275+/-0.013 χ^2/NDF: 138811.0/36

All: -40.346+/-0.009 χ^2/NDF: 275553.7/74

- sign -40.416+/-0.013 χ^2/NDF: 136683.7/37

reg_asym_us_dd_diff_bpm1X_slope vs Slug



Right In: 7.011+/-0.309 χ^2/NDF: 156.3/15

Left Out: -10.764+/-0.215 χ^2/NDF:1561.3/20

Right Out: 6.967+/-0.298 χ^2/NDF: 266.0/17

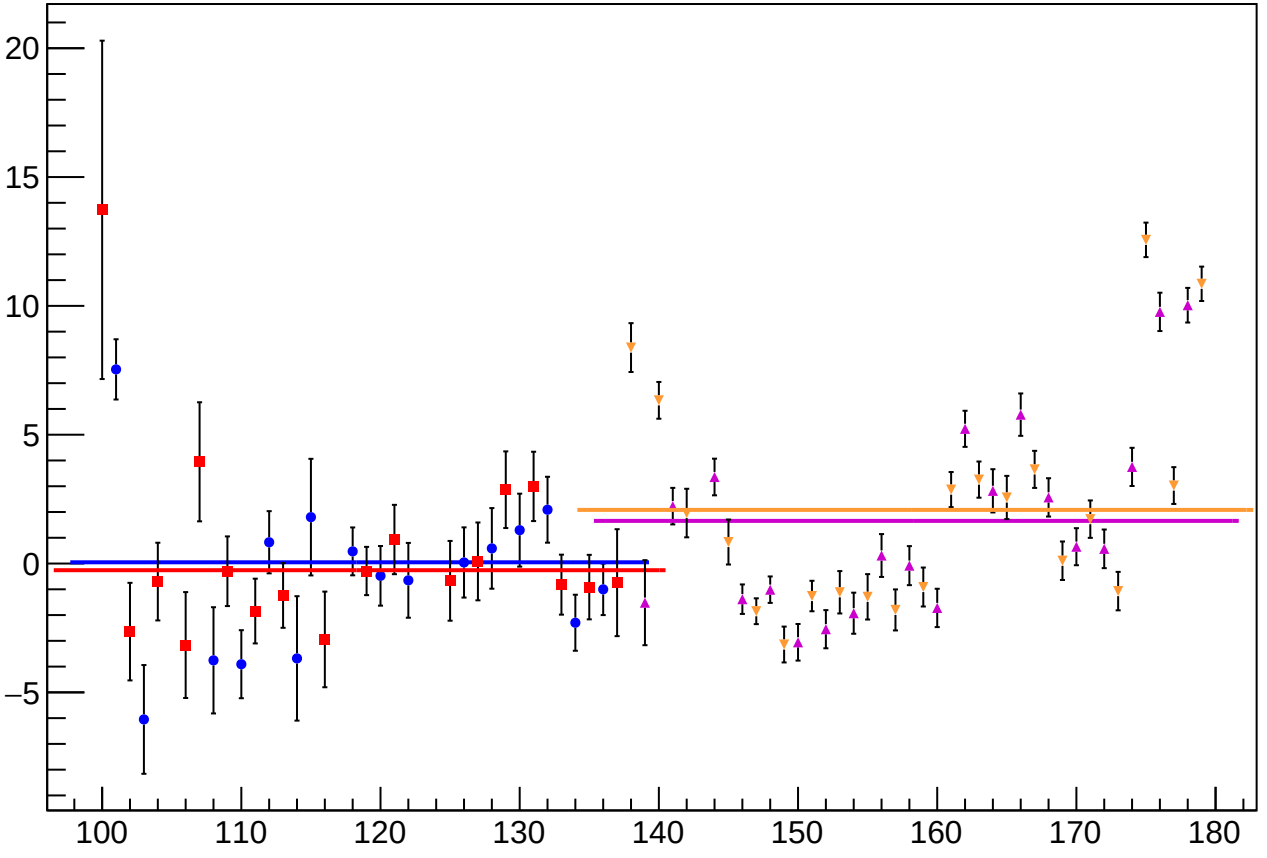
Left In: -9.344+/-0.219 χ^2/NDF:1339.9/19

\+ sign -4.965+/-0.177 χ^2/NDF: 3943.5/36

All: -4.294+/-0.125 χ^2/NDF: 7521.0/74

\- sign -3.623+/-0.177 χ^2/NDF: 3548.7/37

reg_asym_us_dd_diff_bpm4aY_slope vs Slug



Right In: 0.048+/-0.331 χ^2/NDF: 75.0/15

Left Out: 2.082+/-0.158 χ^2/NDF:755.1/20

Right Out: -0.259+/-0.344 χ^2/NDF: 27.5/17

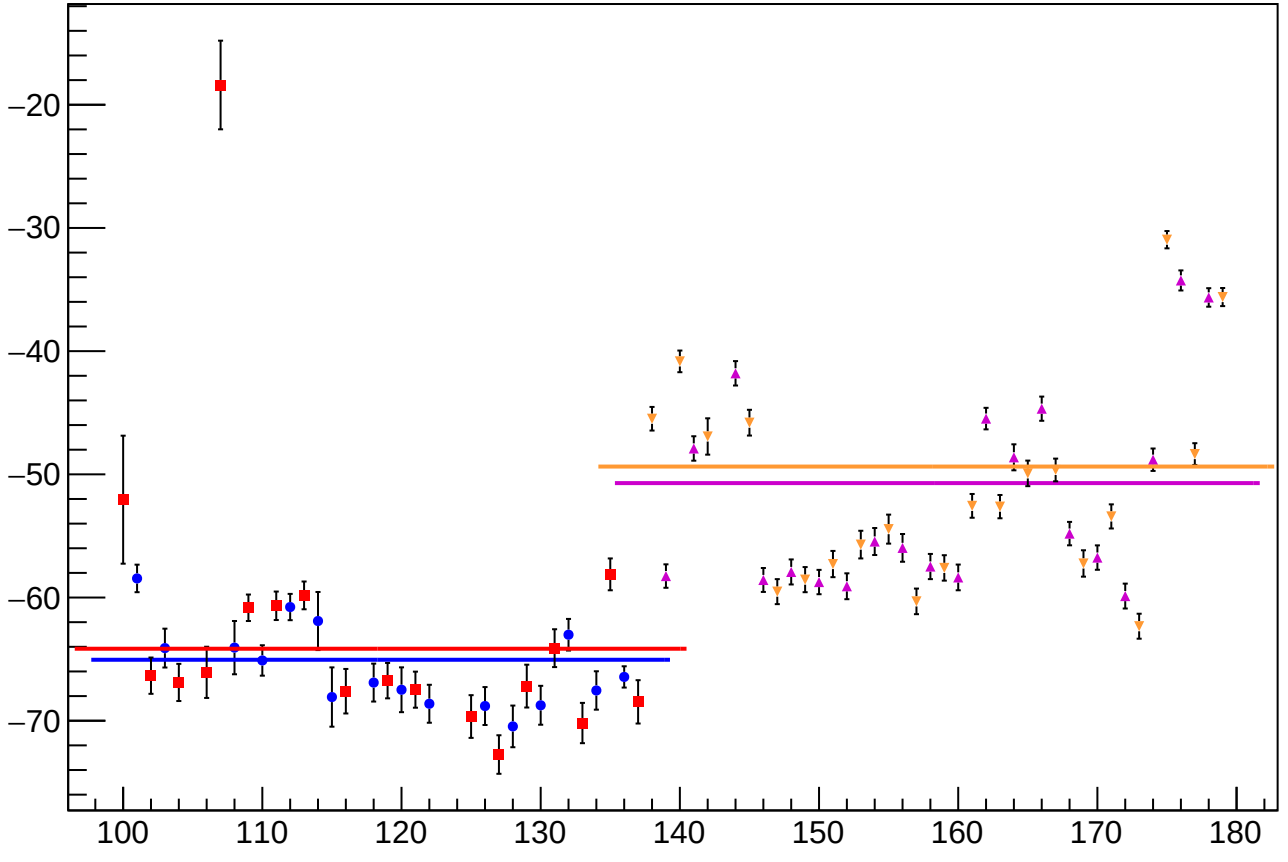
Left In: 1.655+/-0.163 χ^2/NDF:530.7/19

+ sign 1.705+/-0.143 χ^2/NDF: 860.8/36

All: 1.512+/-0.102 χ^2/NDF: 1448.1/74

- sign 1.307+/-0.147 χ^2/NDF: 583.5/37

reg_asym_us_dd_diff_bpm4eX_slope vs Slug



Right In: -65.051+/-0.354 χ^2/NDF: 92.8/15

Left Out: -49.368+/-0.212 χ^2/NDF:1883.1/20

Right Out: -64.156+/-0.360 χ^2/NDF: 303.7/17

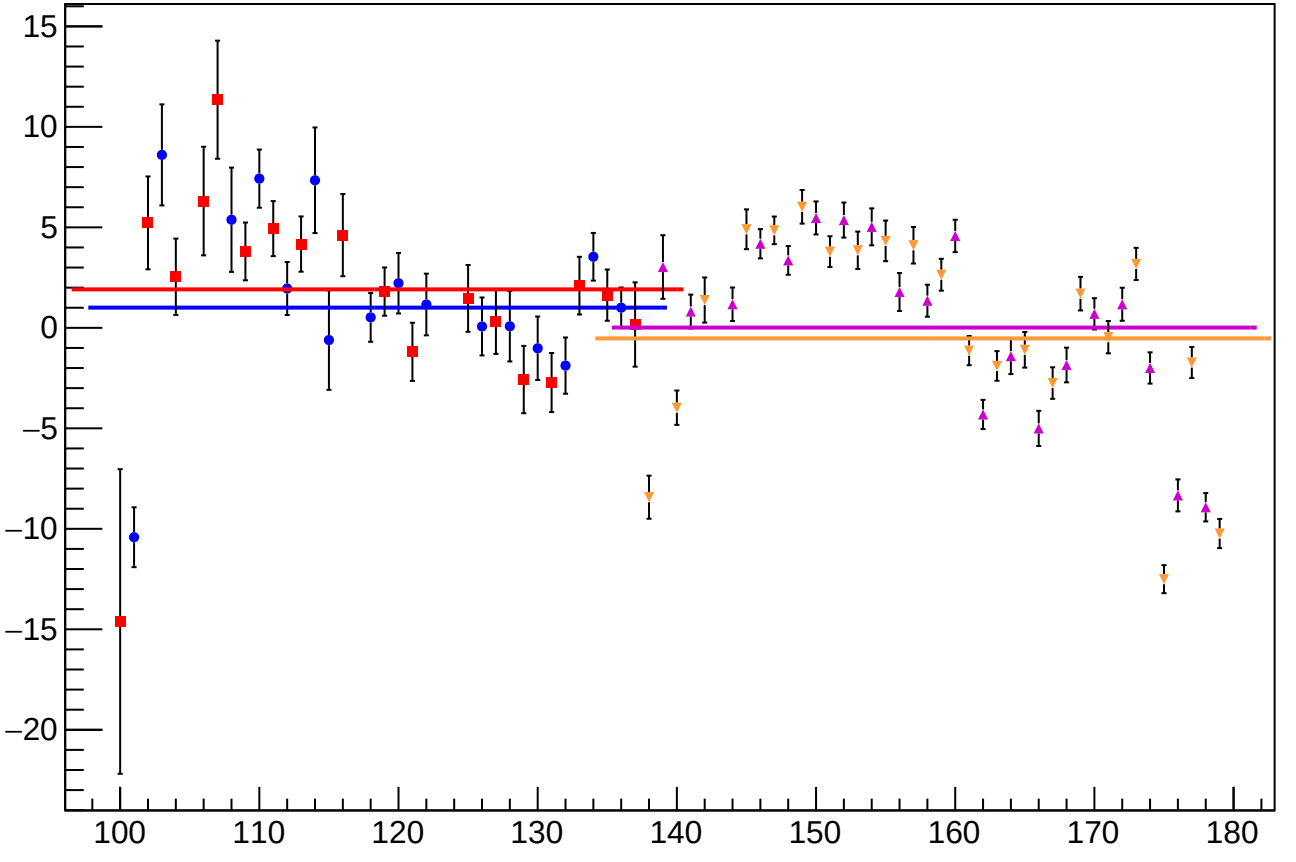
Left In: -50.711+/-0.216 χ^2/NDF:1565.7/19

+ sign -53.501+/-0.182 χ^2/NDF: 3421.3/36

All: -53.875+/-0.130 χ^2/NDF: 6323.0/74

- sign -54.264+/-0.185 χ^2/NDF: 2893.0/37

reg_asym_us_dd_diff_bpm4eY_slope vs Slug



Right In: 1.006+/-0.376 χ^2/NDF: 109.2/15

Left Out: -0.525+/-0.179 χ^2/NDF:862.4/20

Right Out: 1.914+/-0.390 χ^2/NDF: 54.5/17

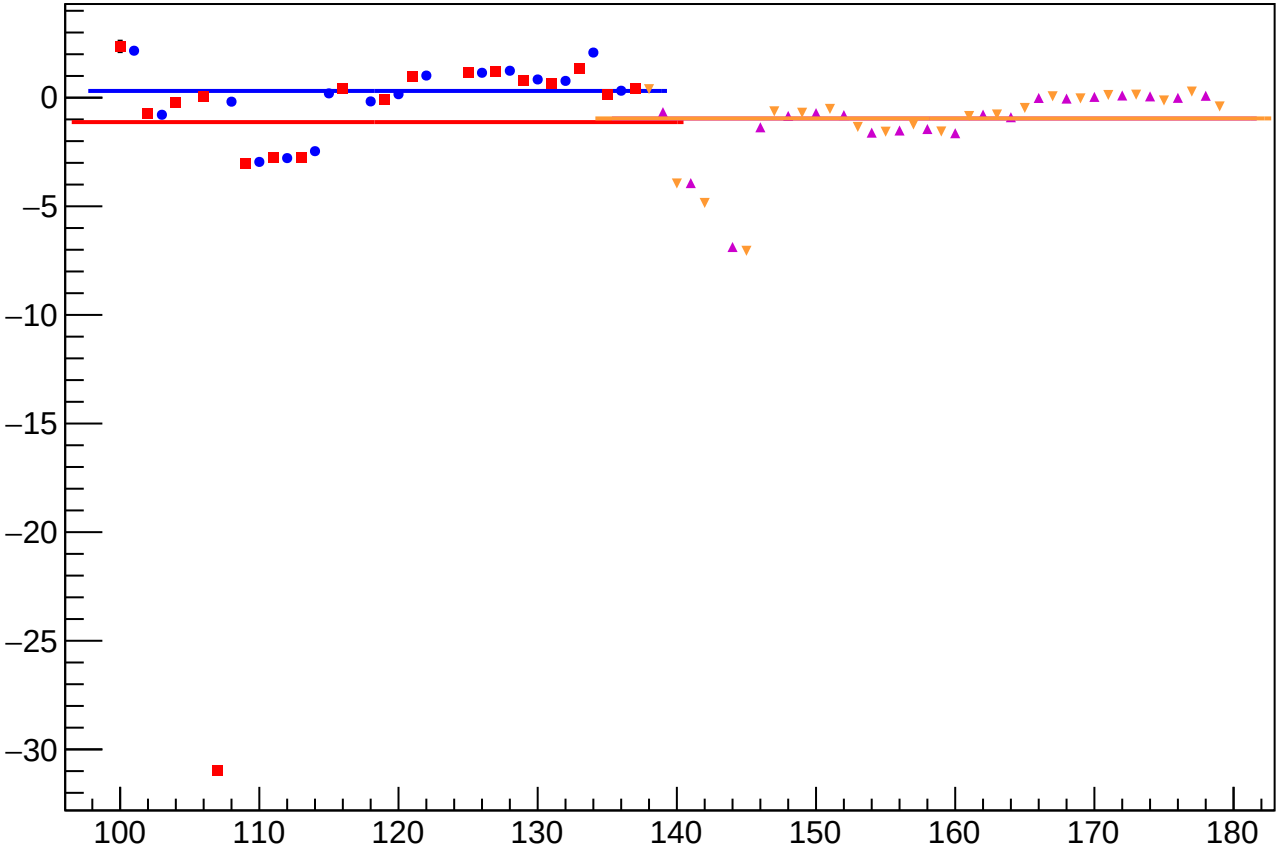
Left In: 0.014+/-0.184 χ^2/NDF:566.5/19

+ sign -0.241+/-0.162 χ^2/NDF: 985.2/36

All: 0.052+/-0.116 χ^2/NDF: 1632.3/74

- sign 0.360+/-0.166 χ^2/NDF: 640.4/37

reg_asym_us_dd_diff_bpm12X_slope vs Slug



Right In: 0.310+/-0.021 χ^2/NDF: 4848.4/15

Left Out: -0.954+/-0.008 χ^2/NDF:40205.7/20

Right Out: -1.124+/-0.022 χ^2/NDF: 46347.9/17

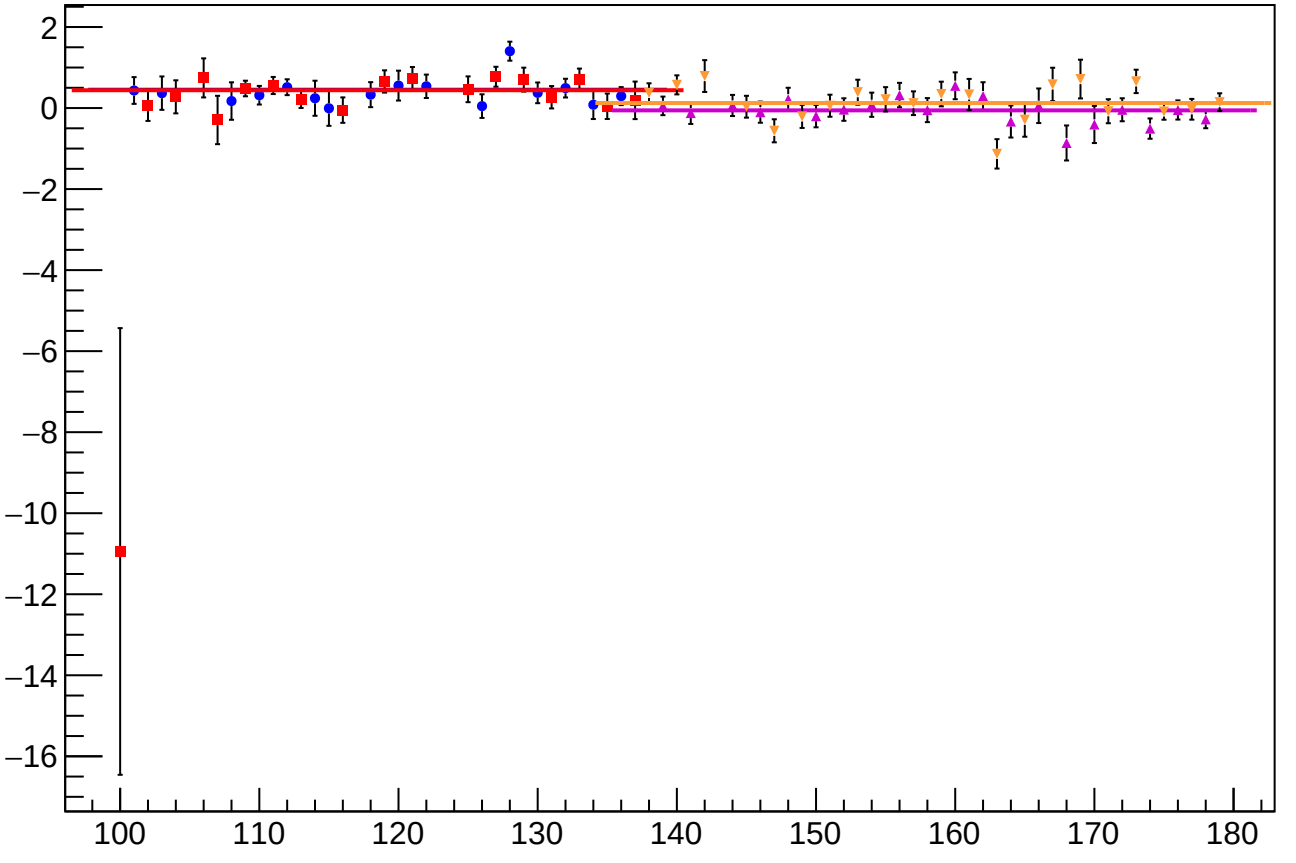
Left In: -0.960+/-0.008 χ^2/NDF:30532.5/19

+ sign -0.793+/-0.008 χ^2/NDF: 48198.7/36

All: -0.885+/-0.005 χ^2/NDF: 125430.2/74

- sign -0.979+/-0.008 χ^2/NDF: 76928.4/37

reg_asym_ds_avg_diff_bpm1X_slope vs Slug



Right In: 0.452+/-0.071 χ^2/NDF: 22.6/15

Left Out: 0.125+/-0.063 χ^2/NDF:37.6/20

Right Out: 0.440+/-0.070 χ^2/NDF: 18.5/17

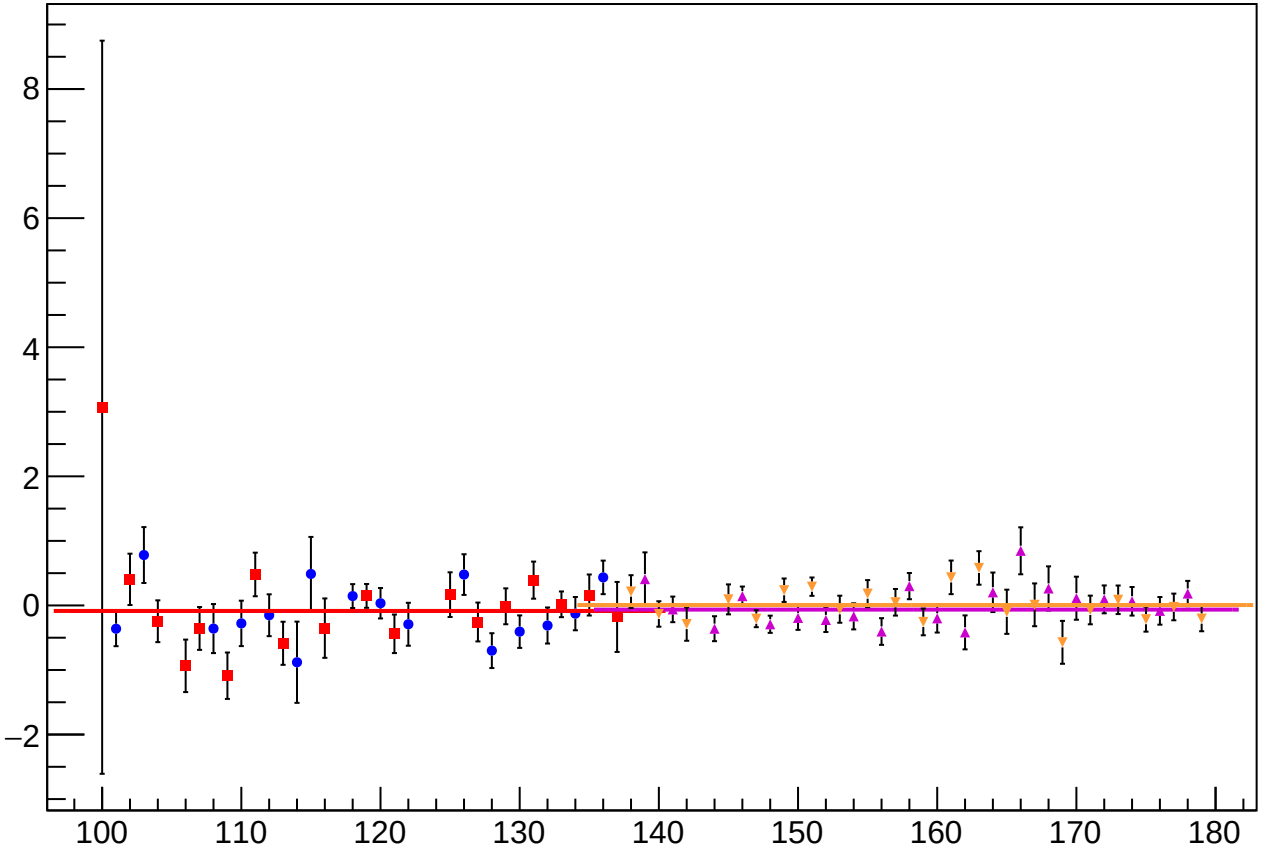
Left In: -0.057+/-0.064 χ^2/NDF:16.8/19

+ sign 0.268+/-0.047 χ^2/NDF: 72.1/36

All: 0.220+/-0.033 χ^2/NDF: 136.9/74

- sign 0.172+/-0.047 χ^2/NDF: 62.8/37

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug



Right In: -0.086+/-0.073 χ^2/NDF: 25.4/15

Left Out: 0.006+/-0.046 χ^2/NDF:26.7/20

Right Out: -0.085+/-0.074 χ^2/NDF: 27.9/17

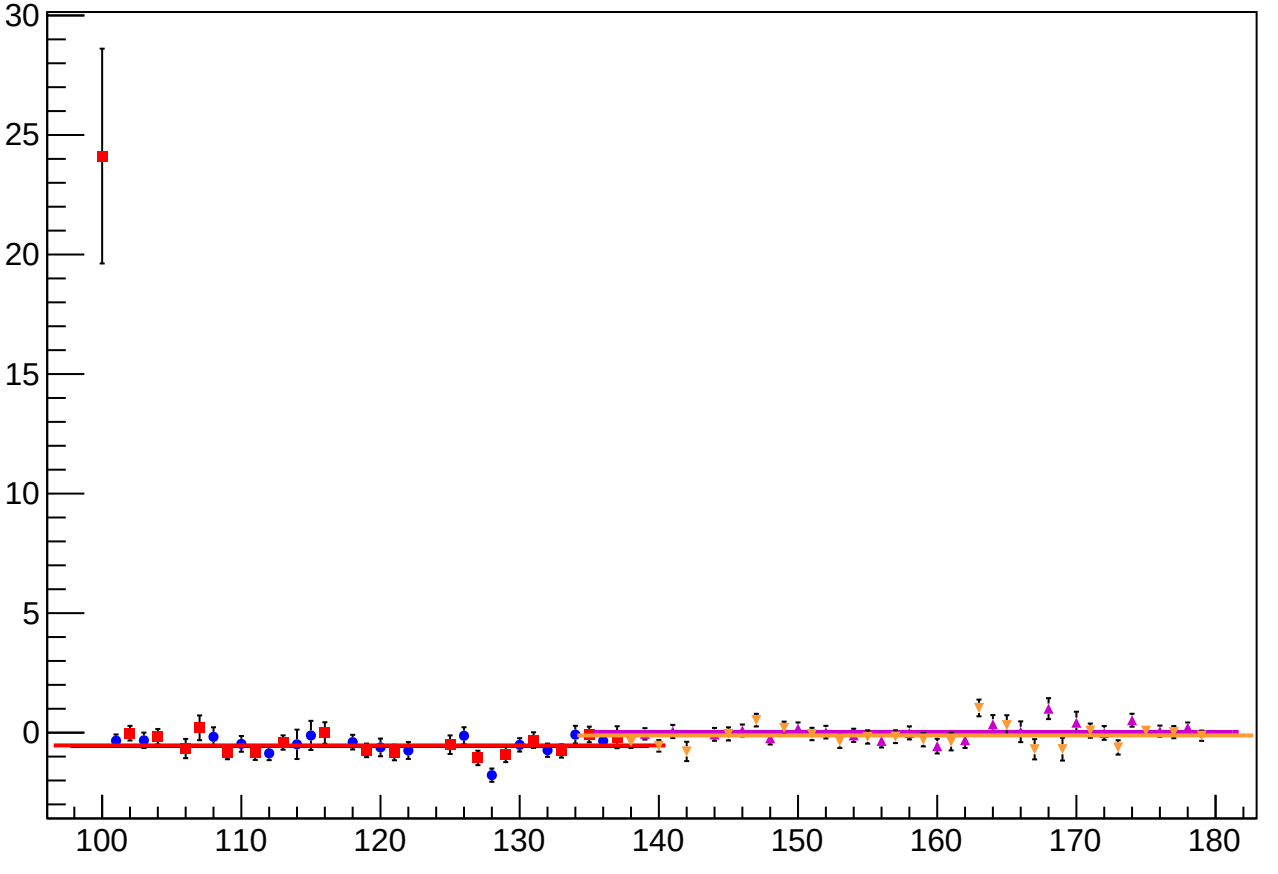
Left In: -0.065+/-0.047 χ^2/NDF:28.8/19

+ sign -0.020+/-0.039 χ^2/NDF: 53.2/36

All: -0.045+/-0.028 χ^2/NDF: 110.8/74

- sign -0.071+/-0.040 χ^2/NDF: 56.8/37

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug



Right In: -0.558+/-0.080 χ^2/NDF: 28.3/15

Left Out: -0.115+/-0.062 χ^2/NDF:35.9/20

Right Out: -0.534+/-0.081 χ^2/NDF: 49.2/17

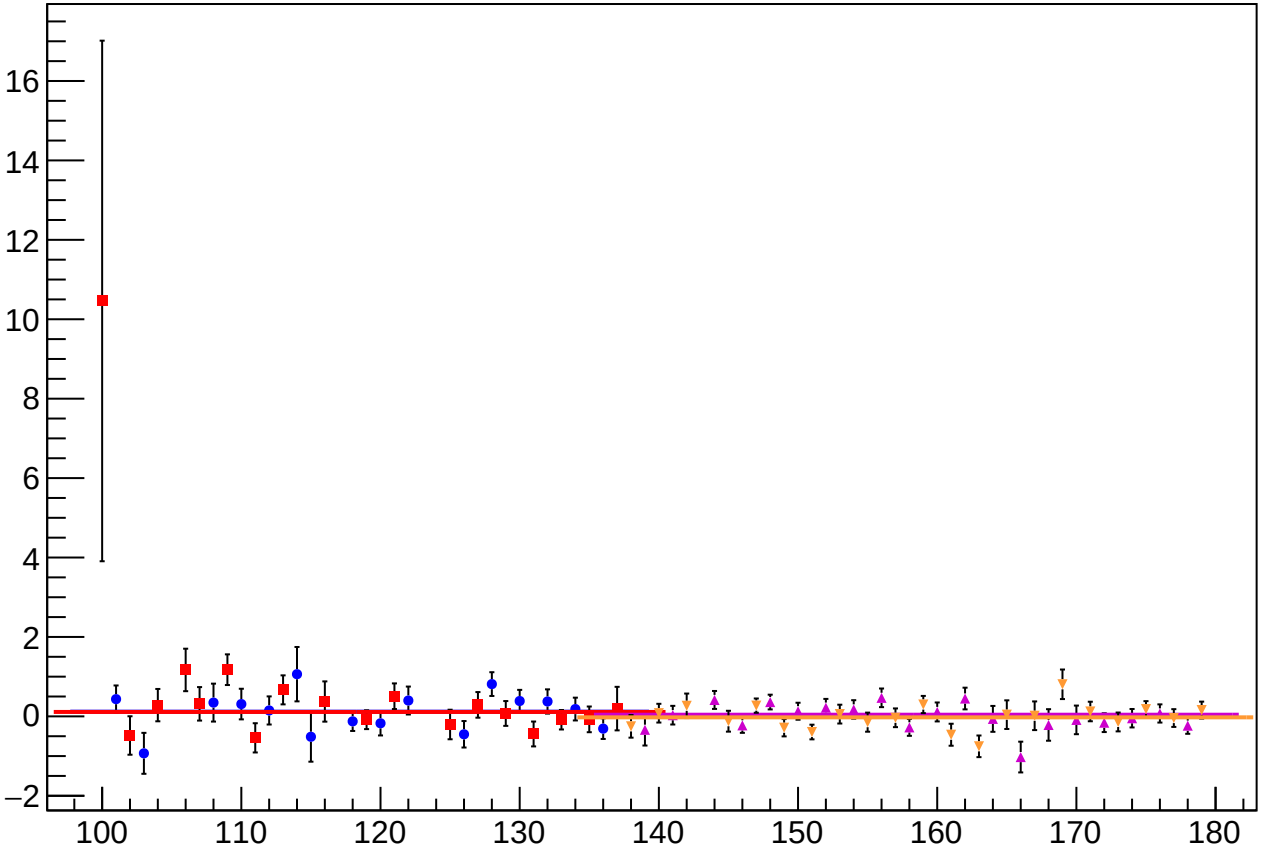
Left In: 0.029+/-0.063 χ^2/NDF:18.8/19

+ sign -0.281+/-0.049 χ^2/NDF: 83.6/36

All: -0.234+/-0.035 χ^2/NDF: 183.6/74

- sign -0.185+/-0.050 χ^2/NDF: 98.1/37

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug



Right In: 0.118+/-0.084 χ^2/NDF: 23.6/15

Left Out: -0.025+/-0.053 χ^2/NDF:29.7/20

Right Out: 0.111+/-0.085 χ^2/NDF: 29.0/17

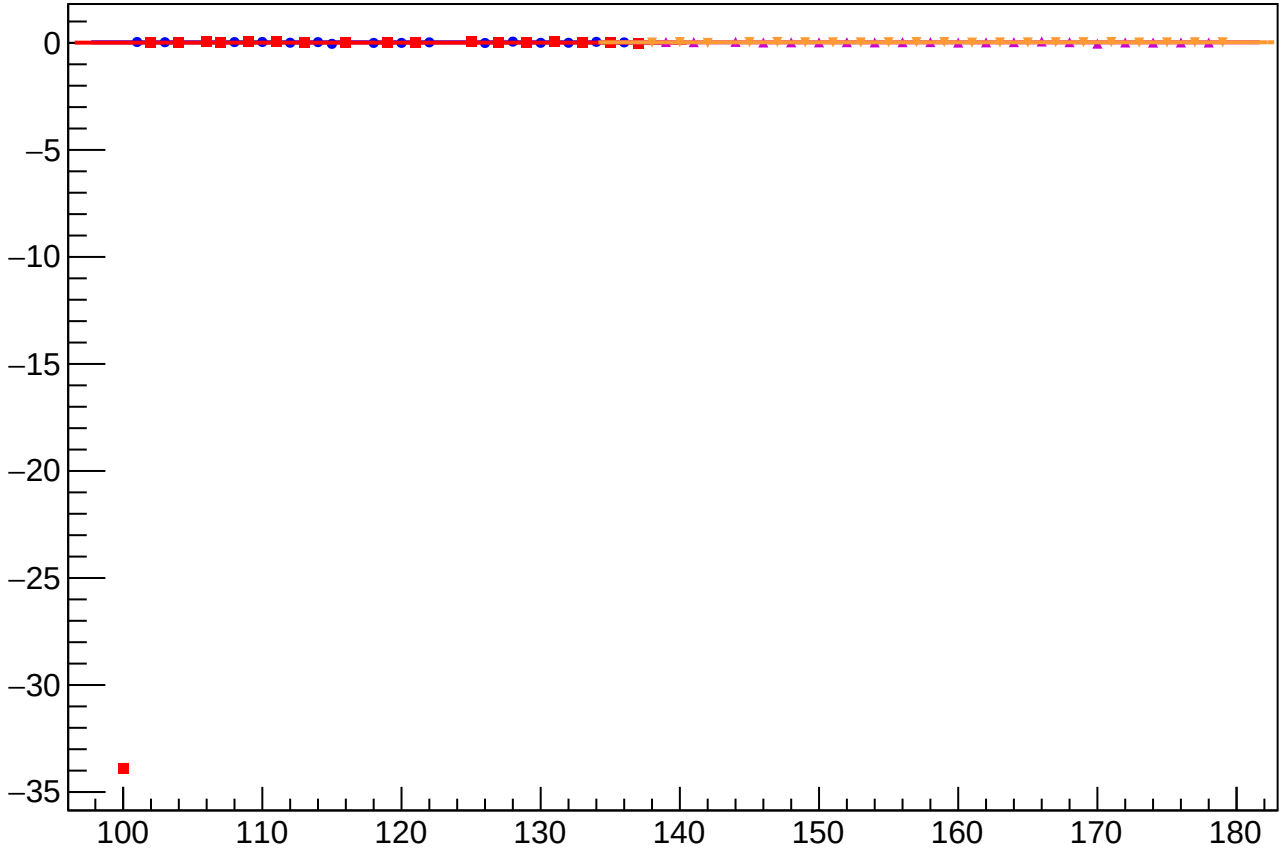
Left In: 0.041+/-0.054 χ^2/NDF:28.5/19

+ sign 0.016+/-0.045 χ^2/NDF: 55.4/36

All: 0.038+/-0.032 χ^2/NDF: 113.9/74

- sign 0.062+/-0.046 χ^2/NDF: 58.0/37

reg_asym_ds_avg_diff_bpm12X_slope vs Slug



Right In: 0.027+/-0.005 χ^2/NDF: 14.7/15

Left Out: 0.028+/-0.002 χ^2/NDF:15.1/20

Right Out: 0.012+/-0.005 χ^2/NDF: 22262.0/17

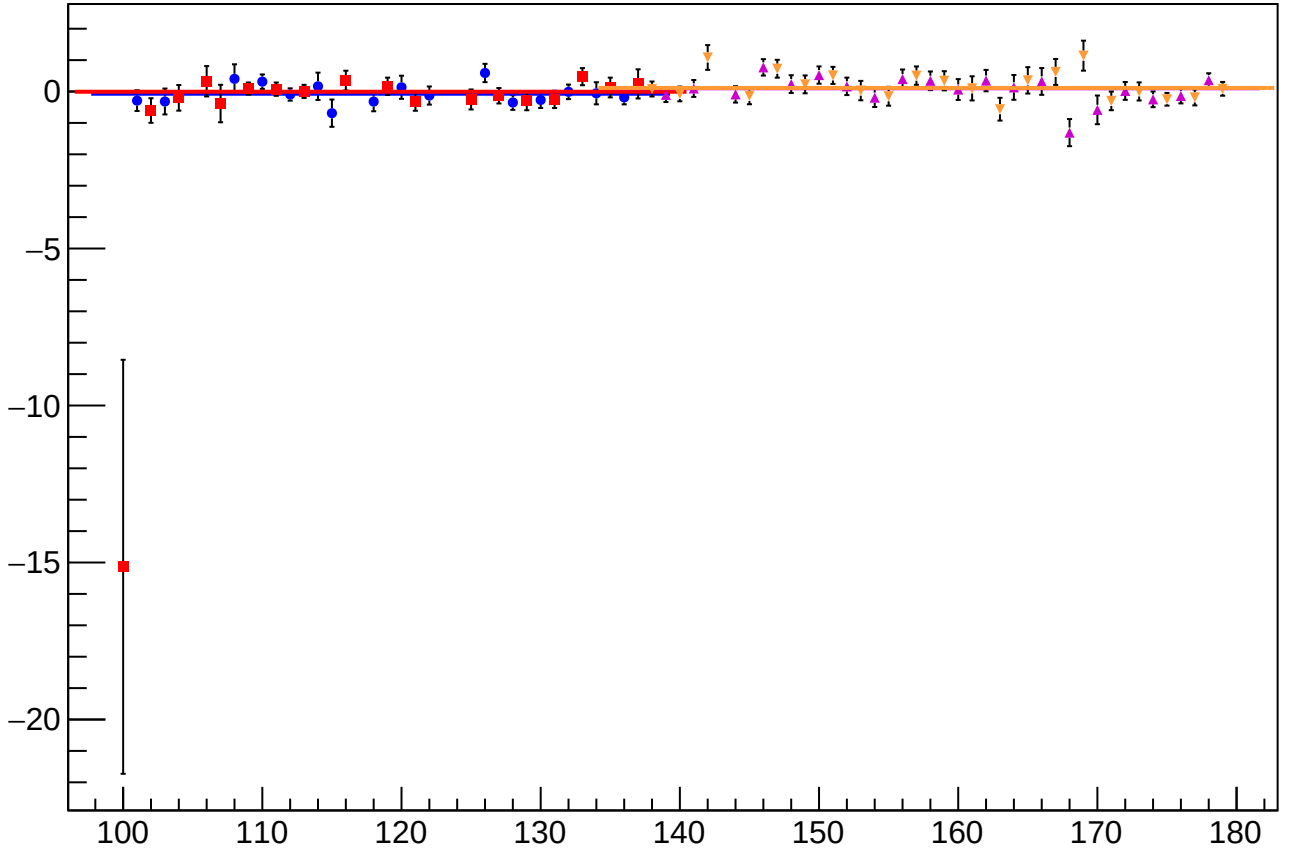
Left In: 0.028+/-0.002 χ^2/NDF:34.1/19

+ sign 0.028+/-0.002 χ^2/NDF: 29.8/36

All: 0.026+/-0.002 χ^2/NDF: 22335.9/74

- sign 0.025+/-0.002 χ^2/NDF: 22305.4/37

reg_asym_ds_dd_diff_bpm1X_slope vs Slug



Right In: -0.070+/-0.071 χ^2/NDF: 15.5/15

Left Out: 0.114+/-0.063 χ^2/NDF:34.4/20

Right Out: -0.007+/-0.070 χ^2/NDF: 18.1/17

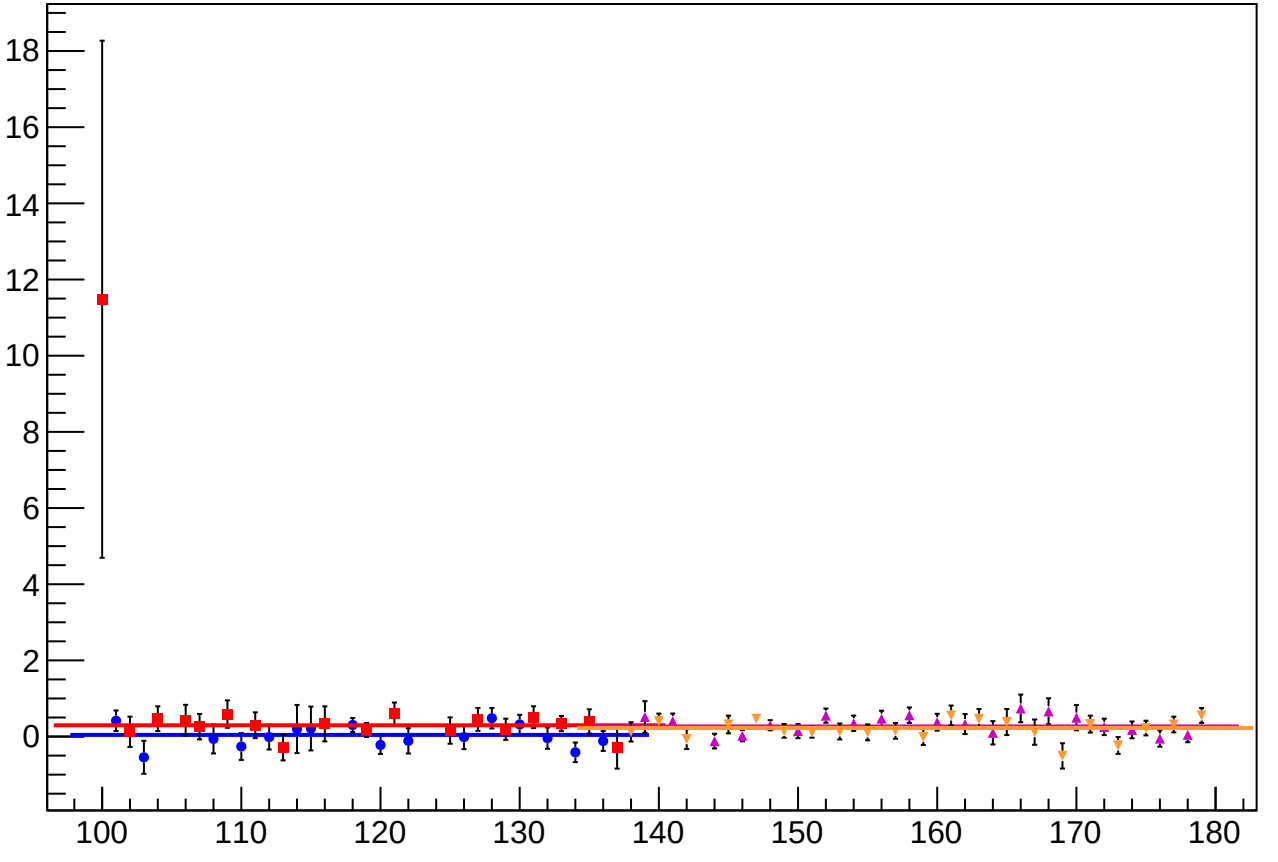
Left In: 0.103+/-0.064 χ^2/NDF:31.3/19

+ sign 0.033+/-0.047 χ^2/NDF: 53.7/36

All: 0.043+/-0.033 χ^2/NDF: 104.6/74

- sign 0.052+/-0.047 χ^2/NDF: 50.8/37

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug



Right In: 0.044+/-0.073 χ^2/NDF: 15.7/15

Left Out: 0.225+/-0.046 χ^2/NDF:23.7/20

Right Out: 0.296+/-0.074 χ^2/NDF: 11.0/17

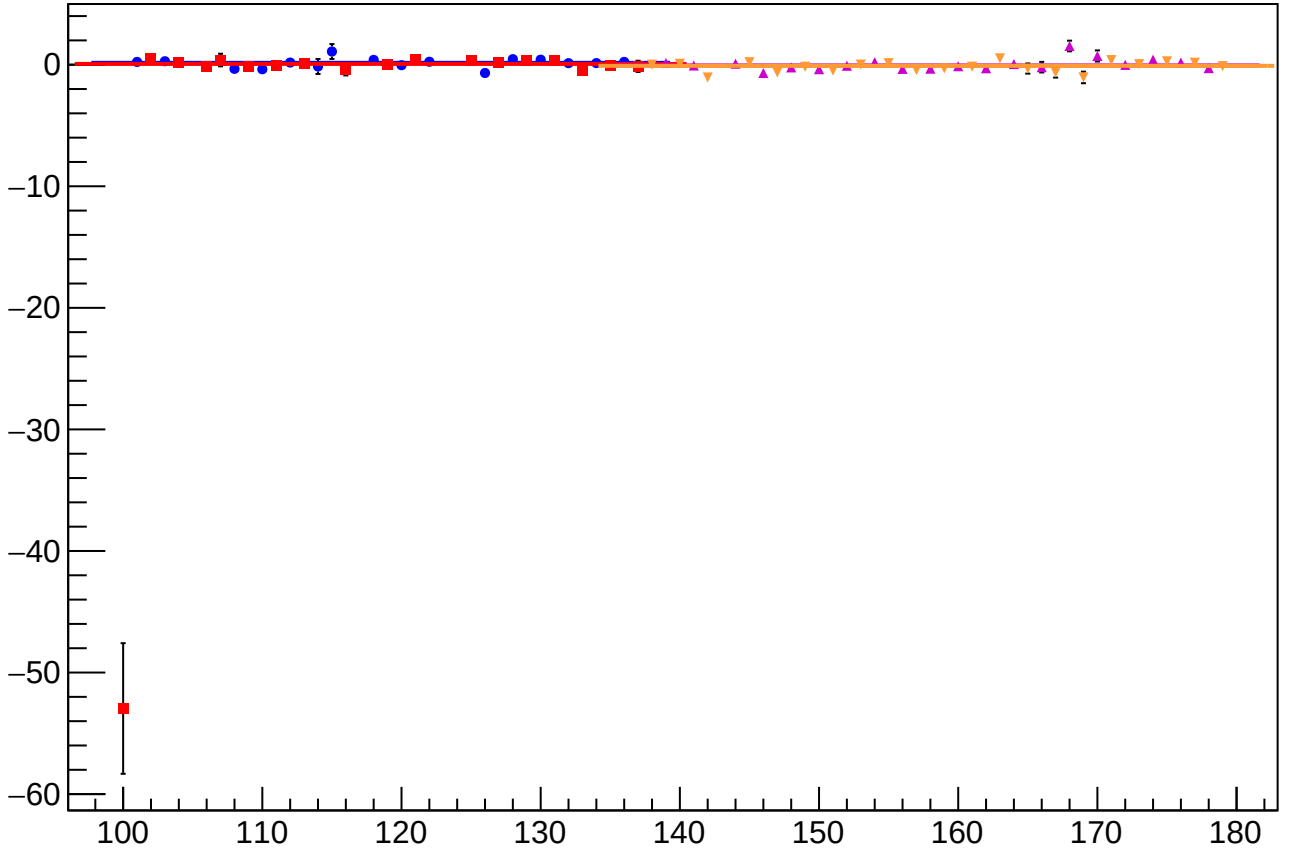
Left In: 0.265+/-0.047 χ^2/NDF:21.3/19

+ sign 0.174+/-0.039 χ^2/NDF: 43.9/36

All: 0.223+/-0.028 χ^2/NDF: 79.6/74

- sign 0.274+/-0.040 χ^2/NDF: 32.5/37

reg_asym_ds_dd_diff_bpm4eX_slope vs Slug



Right In: 0.154+/-0.080 χ^2/NDF: 15.6/15

Left Out: -0.093+/-0.062 χ^2/NDF:33.1/20

Right Out: 0.065+/-0.081 χ^2/NDF: 109.3/17

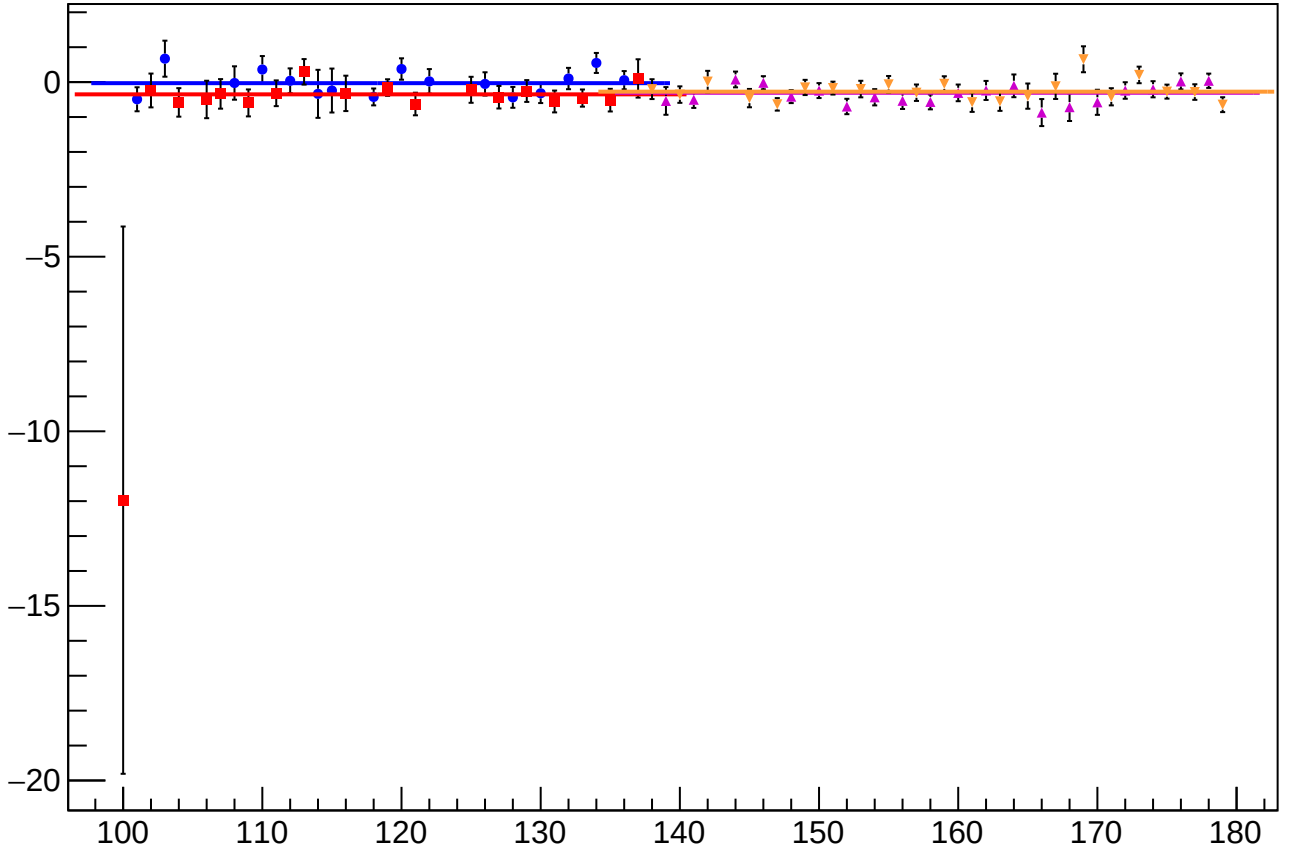
Left In: -0.057+/-0.063 χ^2/NDF:34.1/19

+ sign -0.001+/-0.049 χ^2/NDF: 54.7/36

All: -0.005+/-0.035 χ^2/NDF: 199.5/74

- sign -0.010+/-0.050 χ^2/NDF: 144.8/37

reg_asym_ds_dd_diff_bpm4eY_slope vs Slug



Right In: -0.030+/-0.084 χ^2/NDF: 16.8/15

Left Out: -0.274+/-0.053 χ^2/NDF:24.5/20

Right Out: -0.350+/-0.085 χ^2/NDF: 9.4/17

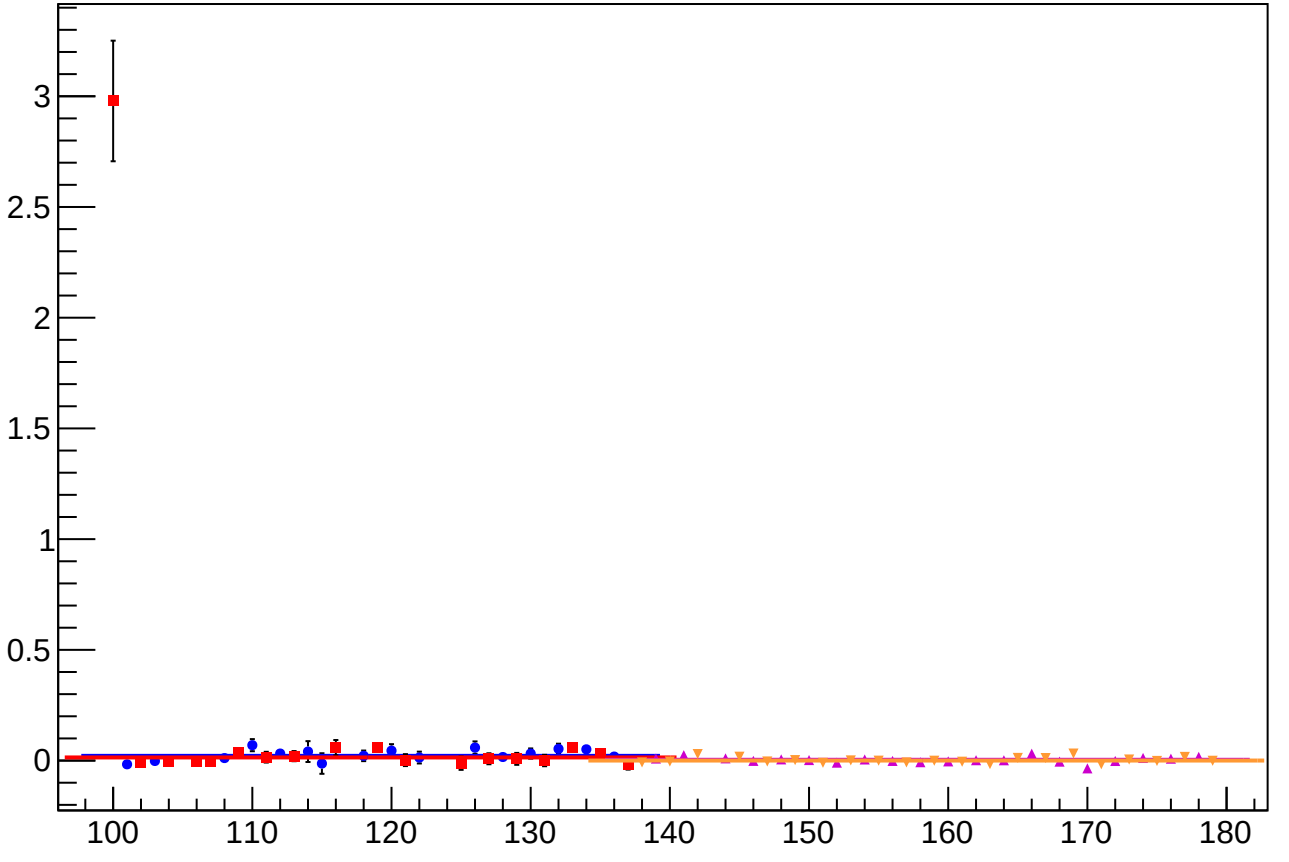
Left In: -0.306+/-0.054 χ^2/NDF:21.9/19

+ sign -0.205+/-0.045 χ^2/NDF: 47.3/36

All: -0.261+/-0.032 χ^2/NDF: 82.0/74

- sign -0.319+/-0.046 χ^2/NDF: 31.6/37

reg_asym_ds_dd_diff_bpm12X_slope vs Slug



Right In: 0.021+/-0.005 χ^2/NDF: 22.5/15

Left Out: 0.000+/-0.002 χ^2/NDF:21.3/20

Right Out: 0.014+/-0.005 χ^2/NDF: 140.9/17

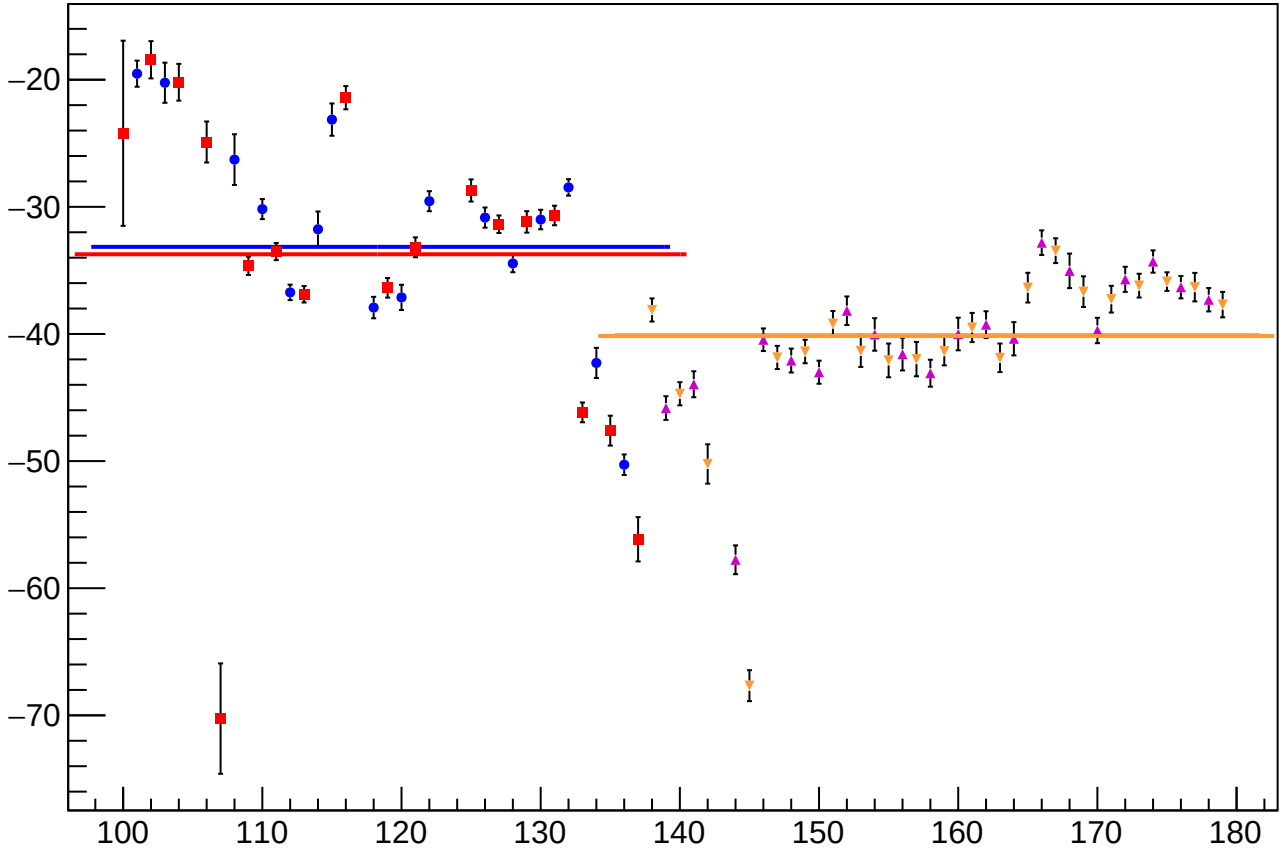
Left In: 0.004+/-0.002 χ^2/NDF:20.3/19

+ sign 0.004+/-0.002 χ^2/NDF: 59.3/36

All: 0.005+/-0.002 χ^2/NDF: 224.5/74

- sign 0.006+/-0.002 χ^2/NDF: 165.0/37

reg_asym_left_avg_diff_bpm1X_slope vs Slug



Right In: -33.148+/-0.218 χ^2/NDF: 1013.9/15

Left Out: -40.160+/-0.228 χ^2/NDF:741.0/20

Right Out: -33.730+/-0.215 χ^2/NDF: 1148.4/17

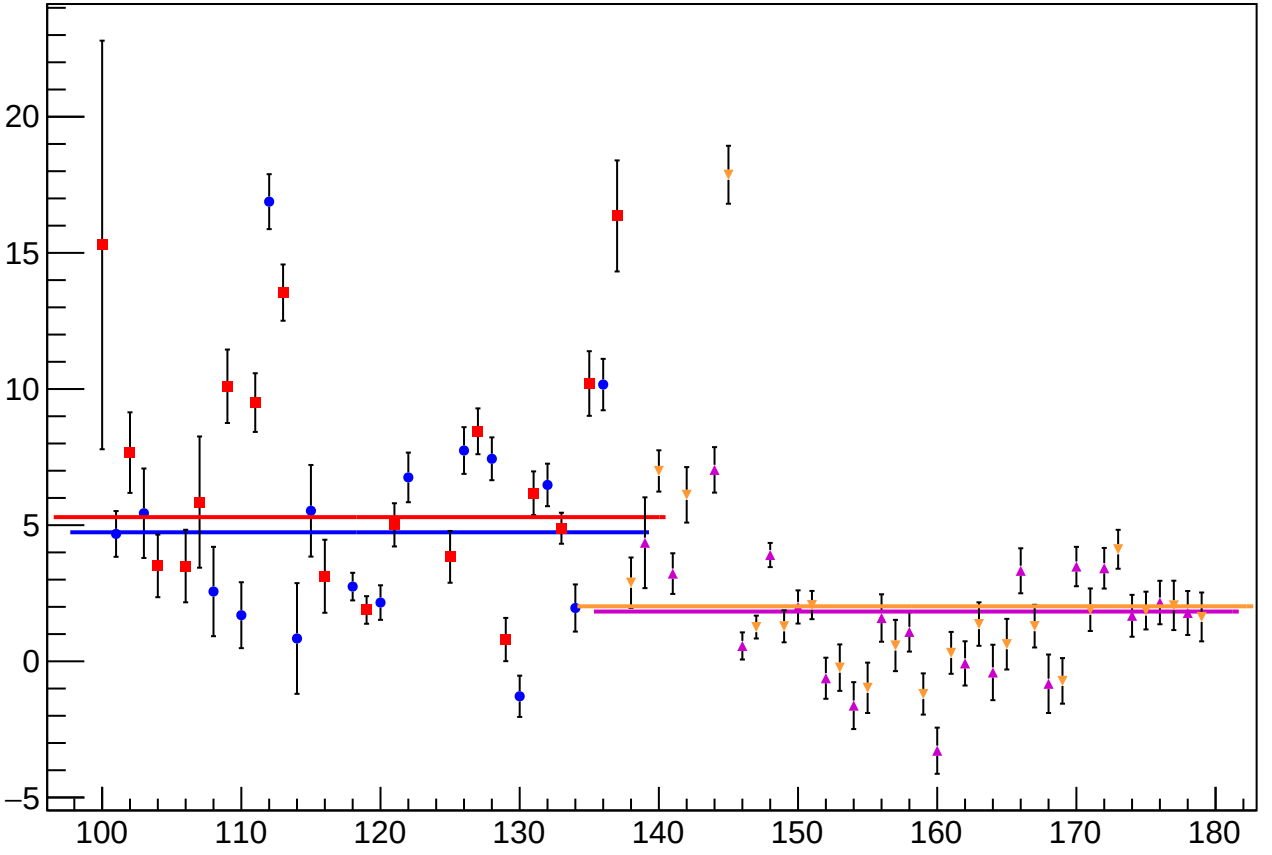
Left In: -40.128+/-0.230 χ^2/NDF:484.3/19

+ sign -36.489+/-0.158 χ^2/NDF: 2247.9/36

All: -36.600+/-0.111 χ^2/NDF: 4294.7/74

- sign -36.711+/-0.157 χ^2/NDF: 2045.8/37

reg_asym_left_avg_diff_bpm4aY_slope vs Slug



Right In: 4.738+/-0.219 χ^2/NDF: 329.6/15

Left Out: 2.020+/-0.162 χ^2/NDF:352.9/20

Right Out: 5.295+/-0.223 χ^2/NDF: 245.0/17

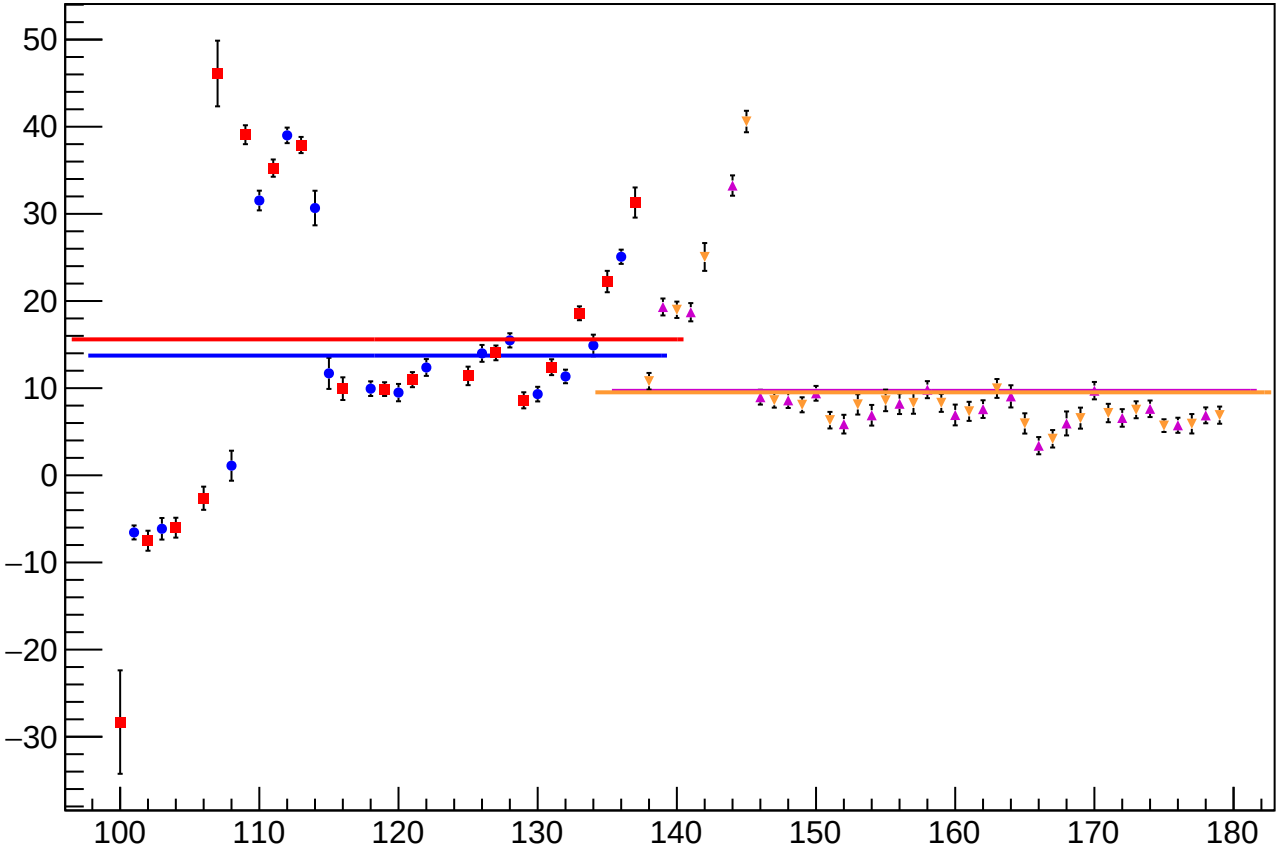
Left In: 1.828+/-0.166 χ^2/NDF:166.8/19

+ sign 2.981+/-0.130 χ^2/NDF: 781.9/36

All: 3.019+/-0.093 χ^2/NDF: 1349.3/74

- sign 3.059+/-0.133 χ^2/NDF: 567.3/37

reg_asym_left_avg_diff_bpm4eX_slope vs Slug



Right In: 13.738+/-0.247 χ^2/NDF: 2349.9/15

Left Out: 9.522+/-0.224 χ^2/NDF:956.2/20

Right Out: 15.599+/-0.250 χ^2/NDF: 2826.3/17

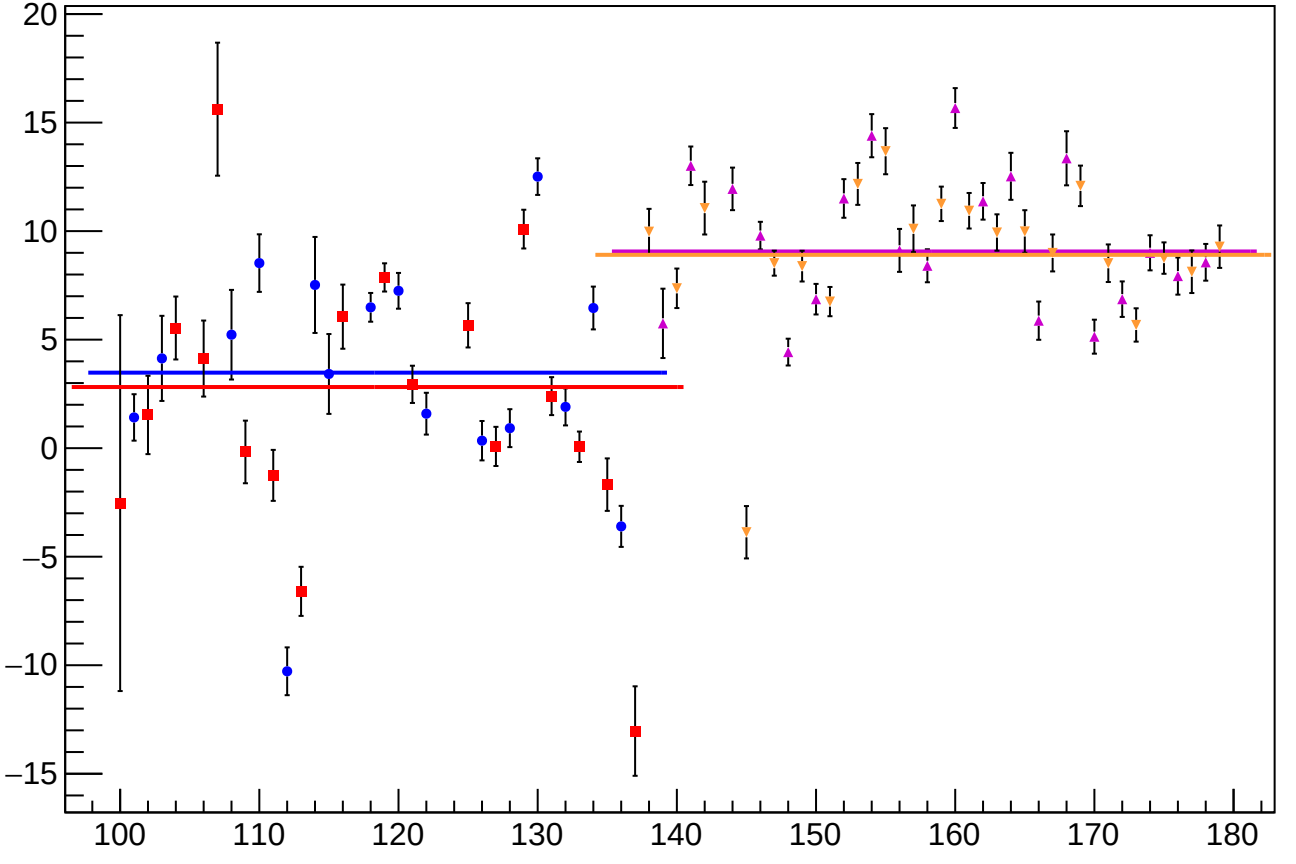
Left In: 9.690+/-0.226 χ^2/NDF:704.4/19

\+ sign 11.429+/-0.166 χ^2/NDF: 3466.0/36

All: 11.883+/-0.118 χ^2/NDF: 7319.1/74

\- sign 12.347+/-0.168 χ^2/NDF: 3838.0/37

reg_asym_left_avg_diff_bpm4eY_slope vs Slug



Right In: 3.479+/-0.254 χ^2/NDF: 427.6/15

Left Out: 8.908+/-0.187 χ^2/NDF:211.4/20

Right Out: 2.817+/-0.257 χ^2/NDF: 345.3/17

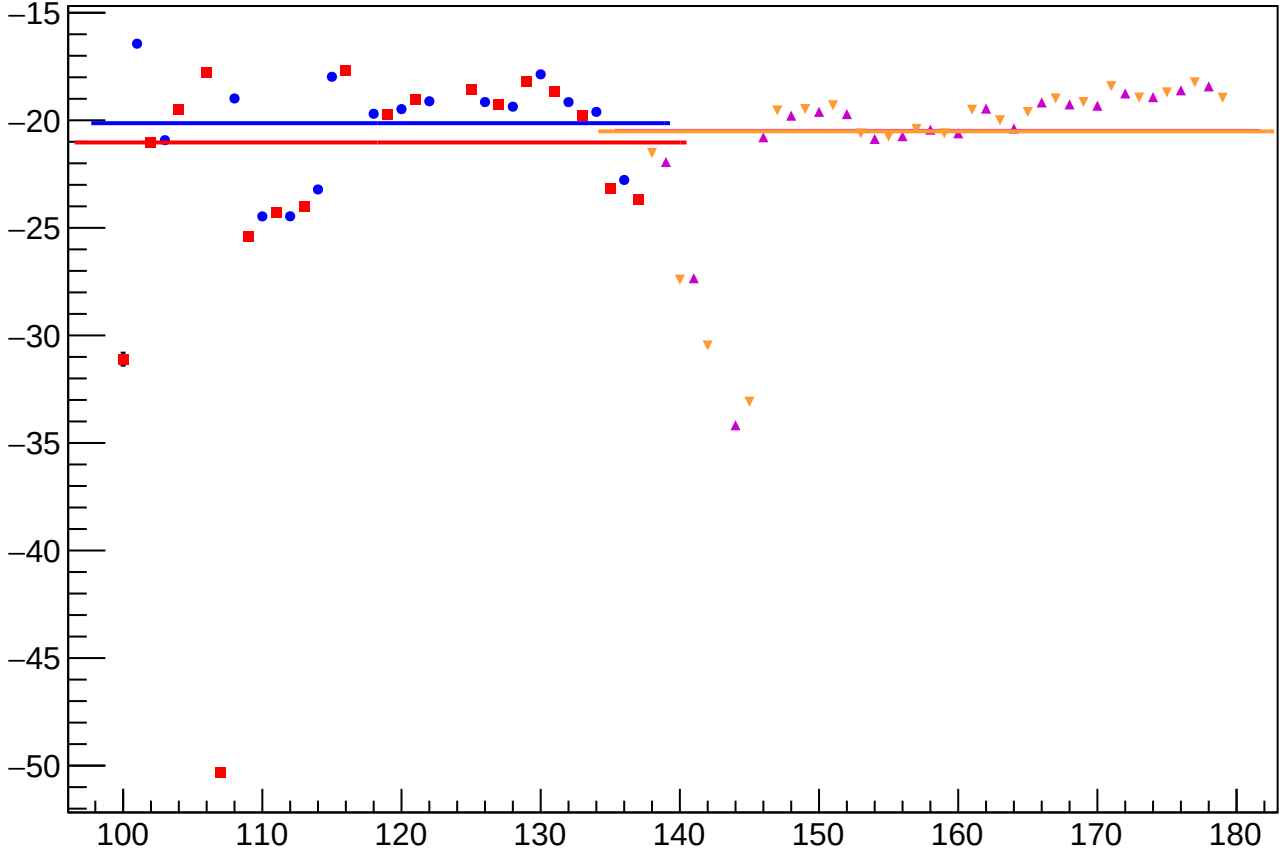
Left In: 9.063+/-0.190 χ^2/NDF:266.4/19

\+ sign 6.997+/-0.150 χ^2/NDF: 935.9/36

All: 6.928+/-0.107 χ^2/NDF: 1929.1/74

\- sign 6.855+/-0.153 χ^2/NDF: 992.8/37

reg_asym_left_avg_diff_bpm12X_slope vs Slug



Right In: -20.133+/-0.016 χ^2/NDF: 19831.2/15

Left Out: -20.513+/-0.009 χ^2/NDF:137410.2/20

Right Out: -21.031+/-0.016 χ^2/NDF: 57523.6/17

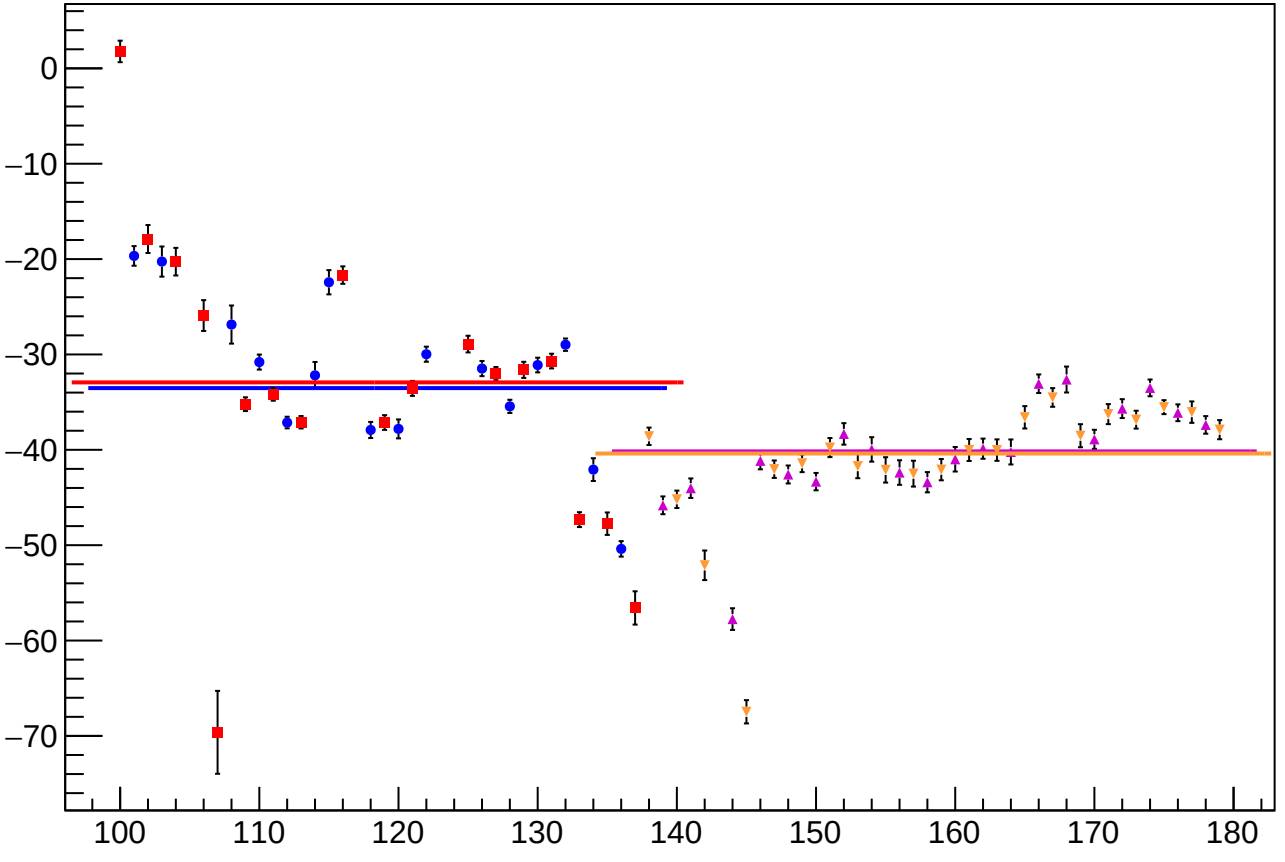
Left In: -20.494+/-0.009 χ^2/NDF:110841.1/19

+ sign -20.428+/-0.008 χ^2/NDF: 157678.4/36

All: -20.518+/-0.005 χ^2/NDF: 327162.8/74

- sign -20.608+/-0.008 χ^2/NDF: 169202.8/37

reg_asym_left_dd_diff_bpm1X_slope vs Slug



Right In: -33.528+/-0.218 χ^2/NDF: 1008.7/15

Left Out: -40.389+/-0.229 χ^2/NDF:737.8/20

Right Out: -32.931+/-0.212 χ^2/NDF: 2170.0/17

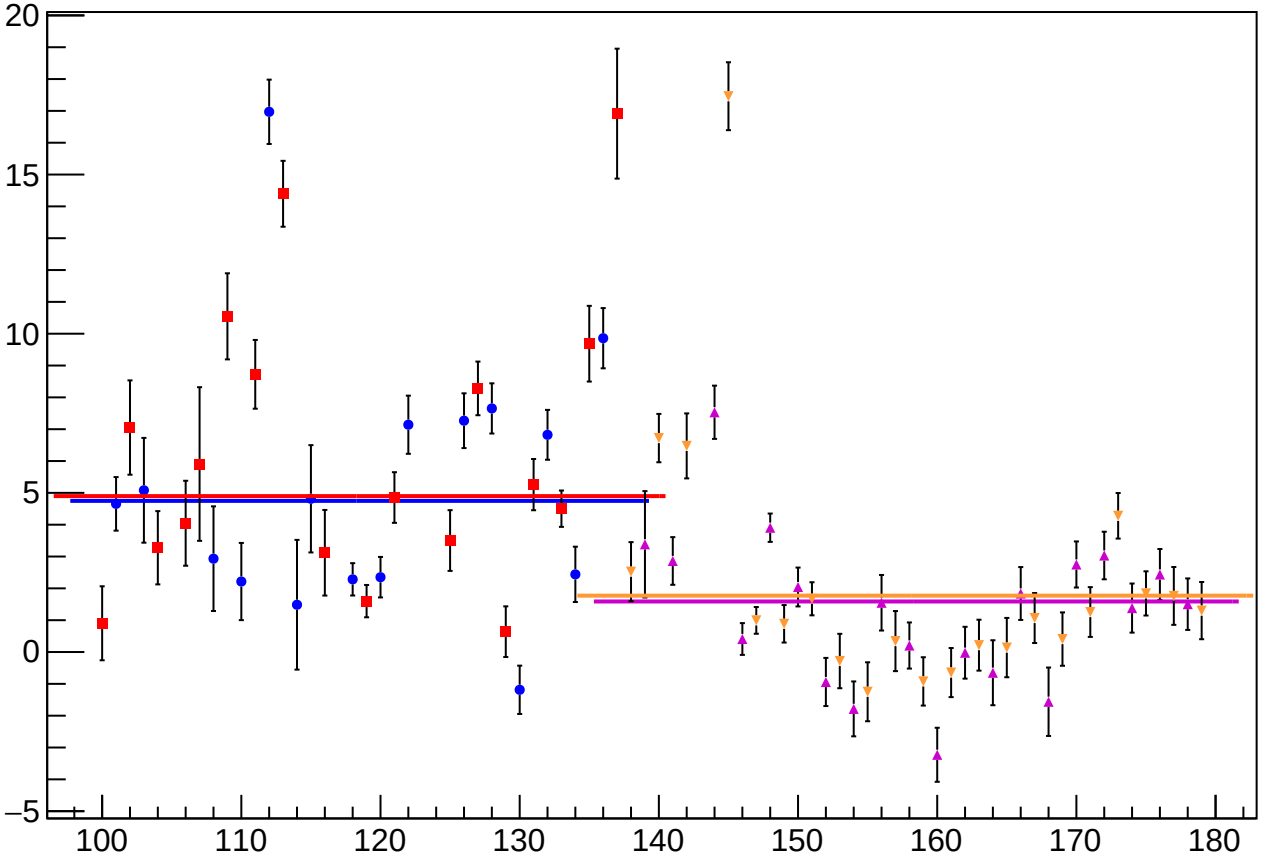
Left In: -40.166+/-0.230 χ^2/NDF:519.7/19

+ sign -36.798+/-0.158 χ^2/NDF: 2216.6/36

All: -36.515+/-0.111 χ^2/NDF: 5447.3/74

- sign -36.240+/-0.156 χ^2/NDF: 3224.4/37

reg_asym_left_dd_diff_bpm4aY_slope vs Slug



Right In: 4.748+/-0.220 χ^2/NDF: 325.7/15

Left Out: 1.771+/-0.162 χ^2/NDF:350.9/20

Right Out: 4.898+/-0.220 χ^2/NDF: 273.1/17

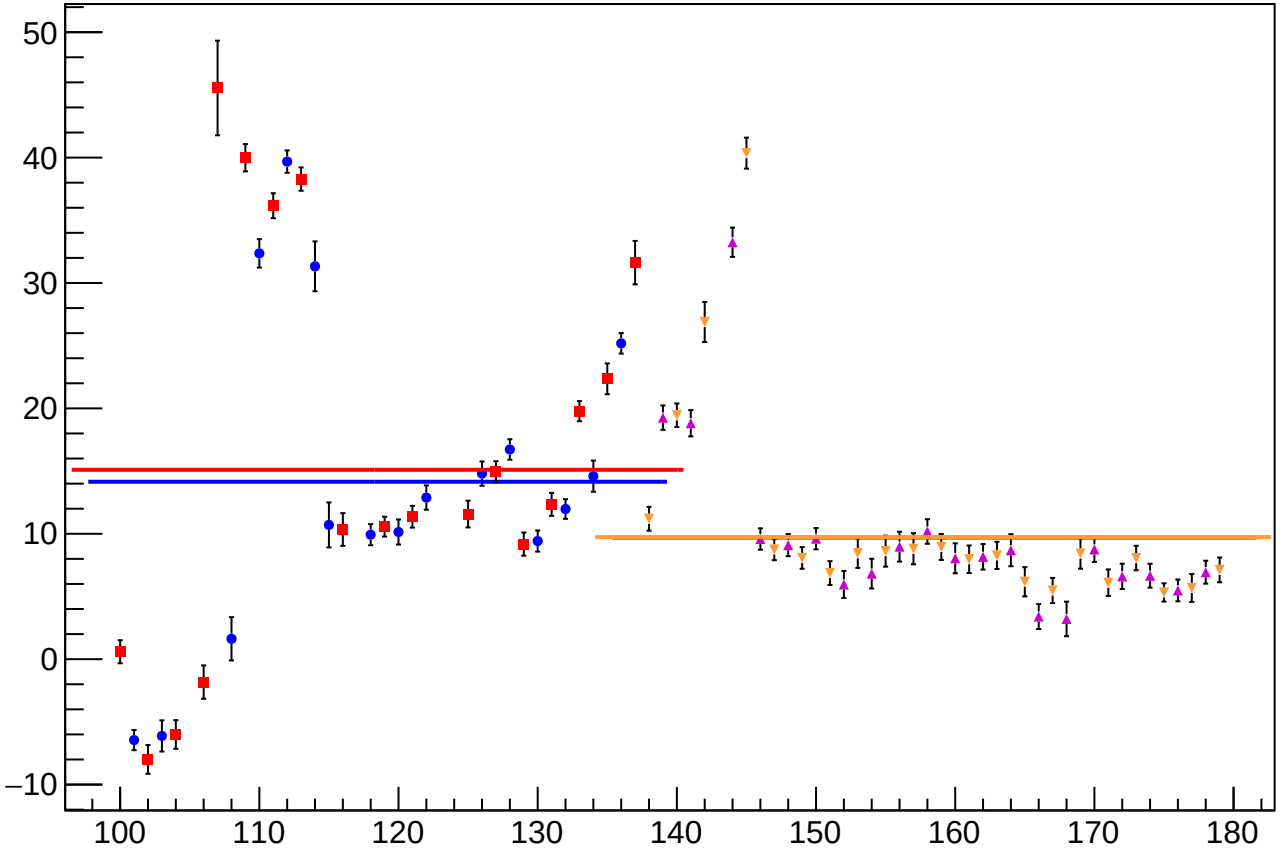
Left In: 1.588+/-0.166 χ^2/NDF:175.1/19

+ sign 2.823+/-0.131 χ^2/NDF: 795.3/36

All: 2.807+/-0.093 χ^2/NDF: 1387.9/74

- sign 2.789+/-0.133 χ^2/NDF: 592.5/37

reg_asym_left_dd_diff_bpm4eX_slope vs Slug



Right In: 14.149+/-0.247 χ^2/NDF: 2402.4/15

Left Out: 9.735+/-0.225 χ^2/NDF:961.0/20

Right Out: 15.103+/-0.242 χ^2/NDF: 3102.3/17

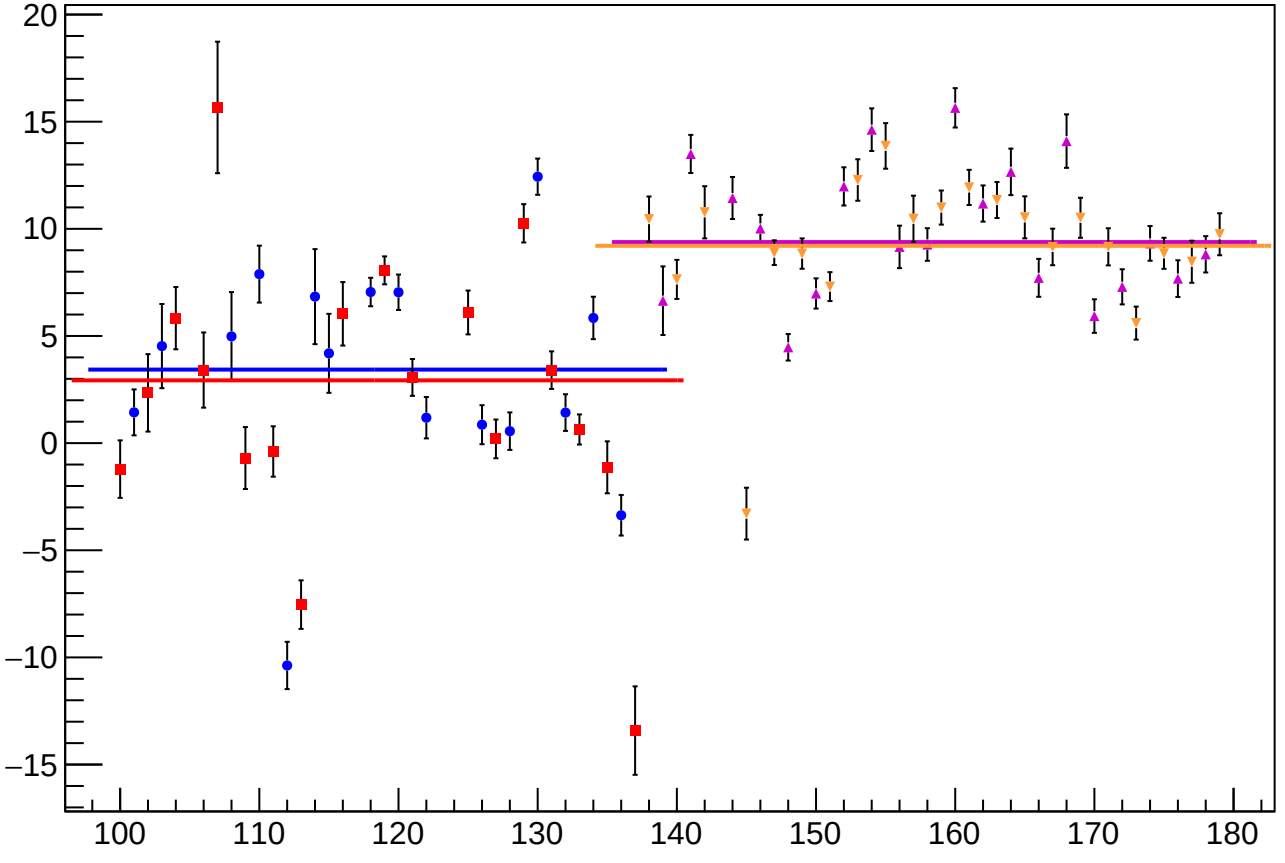
Left In: 9.697+/-0.226 χ^2/NDF:717.5/19

\+ sign 11.731+/-0.166 χ^2/NDF: 3538.0/36

All: 11.977+/-0.117 χ^2/NDF: 7628.2/74

\- sign 12.221+/-0.165 χ^2/NDF: 4085.9/37

reg_asym_left_dd_diff_bpm4eY_slope vs Slug



Right In: 3.432+/-0.254 χ^2/NDF: 424.0/15

Left Out: 9.209+/-0.187 χ^2/NDF:201.5/20

Right Out: 2.929+/-0.253 χ^2/NDF: 367.7/17

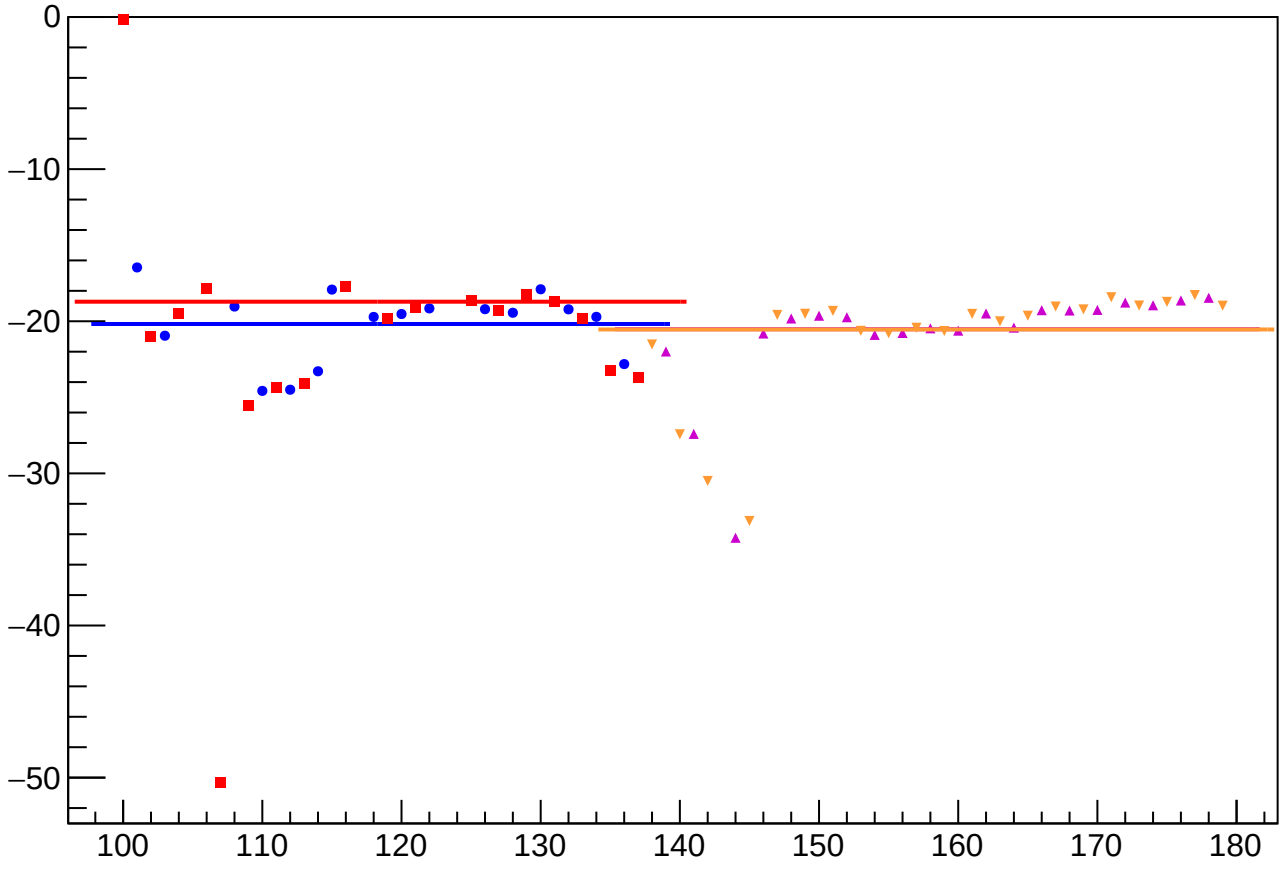
Left In: 9.381+/-0.191 χ^2/NDF:248.9/19

\+ sign 7.176+/-0.151 χ^2/NDF: 960.2/36

All: 7.114+/-0.107 χ^2/NDF: 1991.6/74

\- sign 7.050+/-0.152 χ^2/NDF: 1031.0/37

reg_asym_left_dd_diff_bpm12X_slope vs Slug



Right In: -20.180+/-0.016 χ^2/NDF: 19856.9/15

Left Out: -20.540+/-0.009 χ^2/NDF:137053.9/20

Right Out: -18.714+/-0.016 χ^2/NDF: 234667.0/17

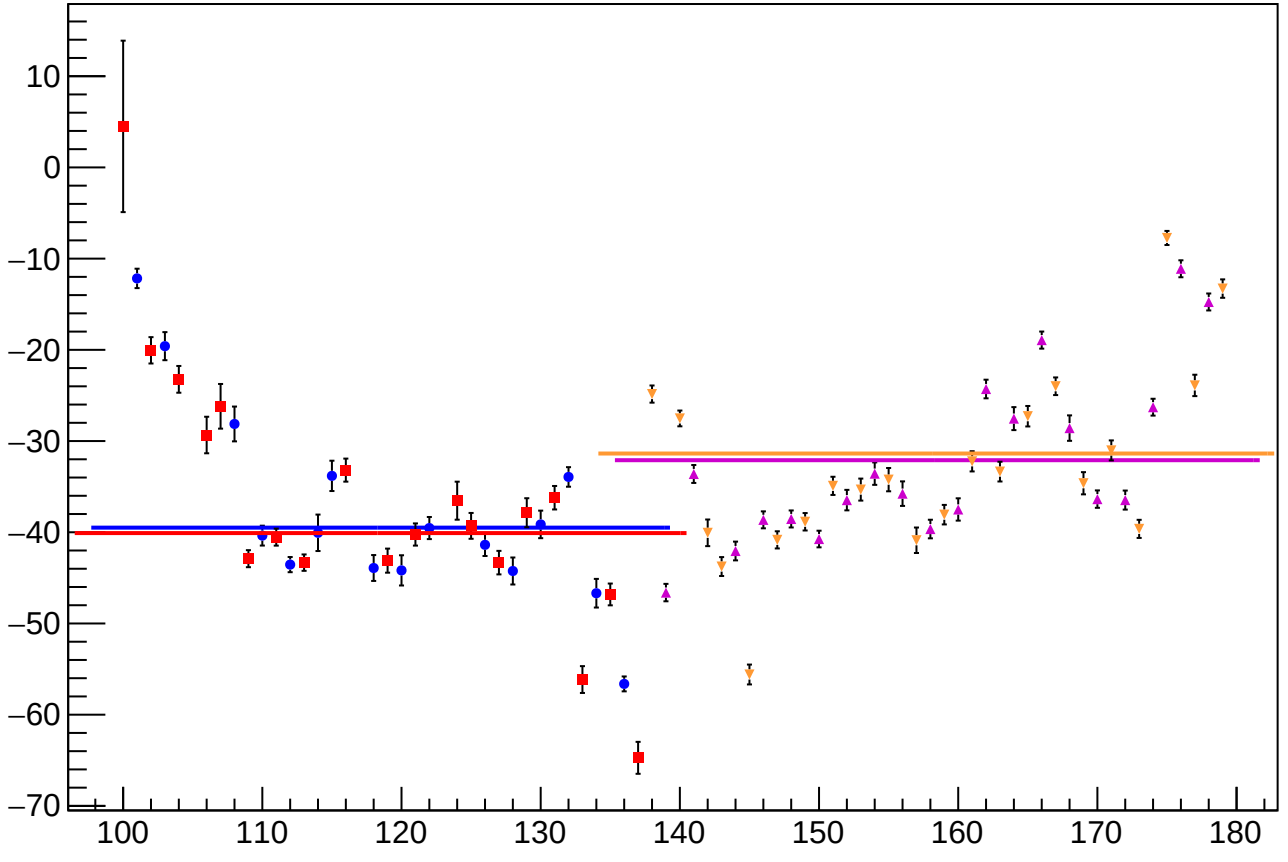
Left In: -20.523+/-0.009 χ^2/NDF:111094.9/19

+ sign -20.459+/-0.008 χ^2/NDF: 157300.1/36

All: -20.279+/-0.005 χ^2/NDF: 514541.9/74

- sign -20.102+/-0.008 χ^2/NDF: 356121.9/37

reg_asym_right_avg_diff_bpm1X_slope vs Slug



Right In: -39.493+/-0.311 χ^2/NDF: 1417.1/15

Left Out: -31.367+/-0.223 χ^2/NDF:2466.4/21

Right Out: -40.090+/-0.307 χ^2/NDF: 834.9/18

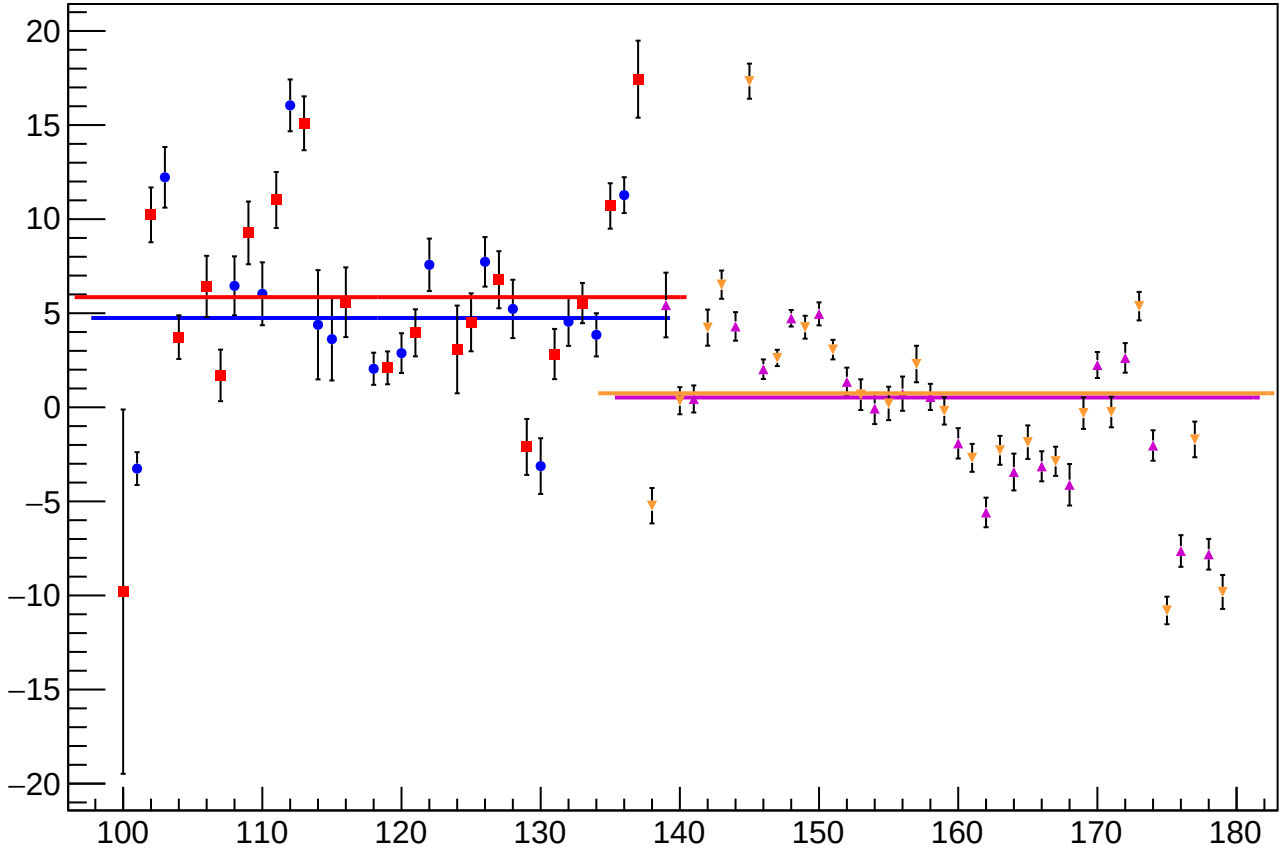
Left In: -32.100+/-0.230 χ^2/NDF:1822.1/19

+ sign -34.135+/-0.181 χ^2/NDF: 4334.6/37

All: -34.544+/-0.129 χ^2/NDF: 7436.1/76

- sign -34.965+/-0.184 χ^2/NDF: 3091.2/38

reg_asym_right_avg_diff_bpm4aY_slope vs Slug



Right In: 4.747+/-0.316 χ^2/NDF: 273.8/15

Left Out: 0.745+/-0.158 χ^2/NDF:1006.1/21

Right Out: 5.854+/-0.324 χ^2/NDF: 187.6/18

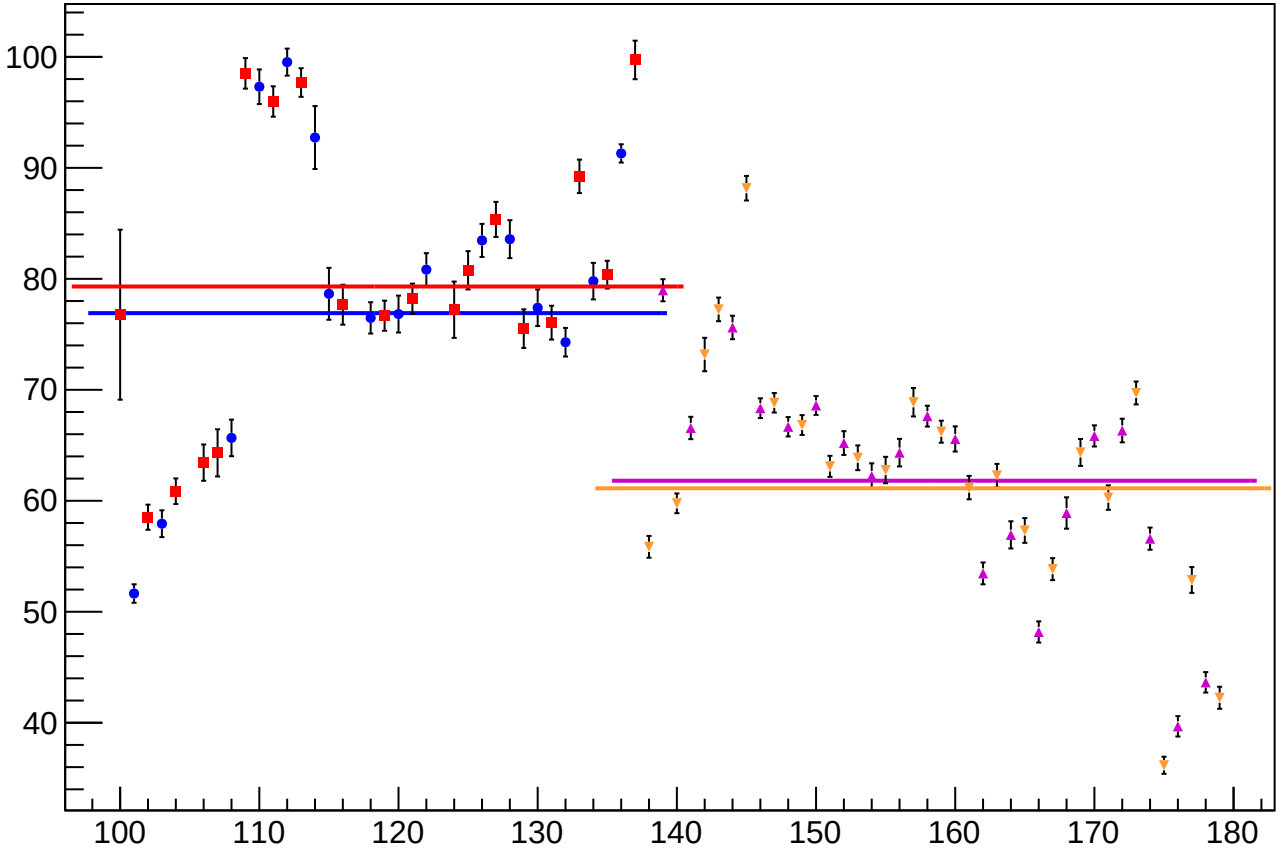
Left In: 0.522+/-0.165 χ^2/NDF:533.8/19

+ sign 1.549+/-0.142 χ^2/NDF: 1408.2/37

All: 1.583+/-0.102 χ^2/NDF: 2345.0/76

- sign 1.619+/-0.147 χ^2/NDF: 936.7/38

reg_asym_right_avg_diff_bpm4eX_slope vs Slug



Right In: 76.909+/-0.337 χ^2/NDF: 2116.0/15

Left Out: 61.124+/-0.219 χ^2/NDF:2717.6/21

Right Out: 79.311+/-0.348 χ^2/NDF: 1496.4/18

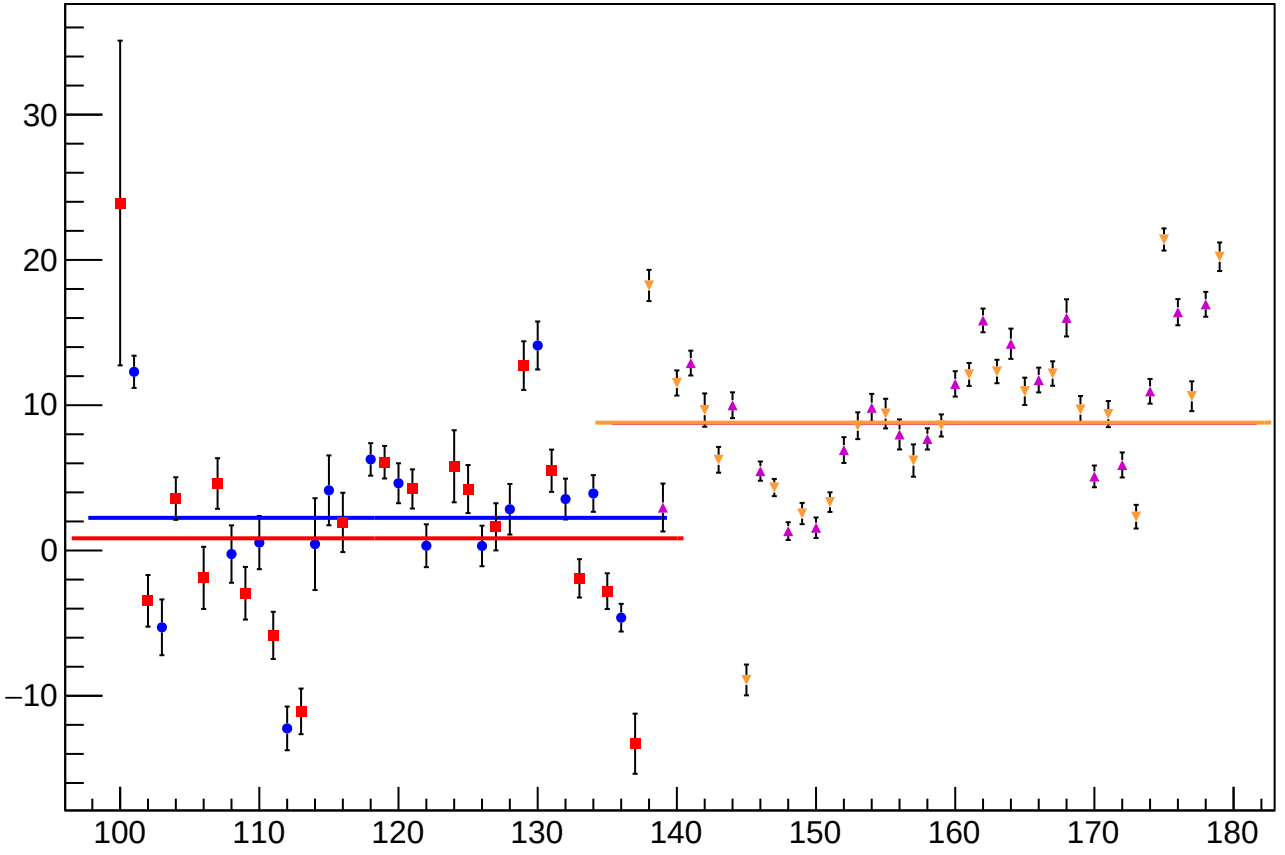
Left In: 61.809+/-0.225 χ^2/NDF:2030.2/19

+ sign 65.828+/-0.184 χ^2/NDF: 6374.9/37

All: 66.390+/-0.132 χ^2/NDF: 11703.6/76

- sign 66.984+/-0.189 χ^2/NDF: 5309.5/38

reg_asym_right_avg_diff_bpm4eY_slope vs Slug



Right In: 2.248+/-0.363 χ^2/NDF: 319.6/15

Left Out: 8.801+/-0.183 χ^2/NDF:1109.8/21

Right Out: 0.840+/-0.372 χ^2/NDF: 256.2/18

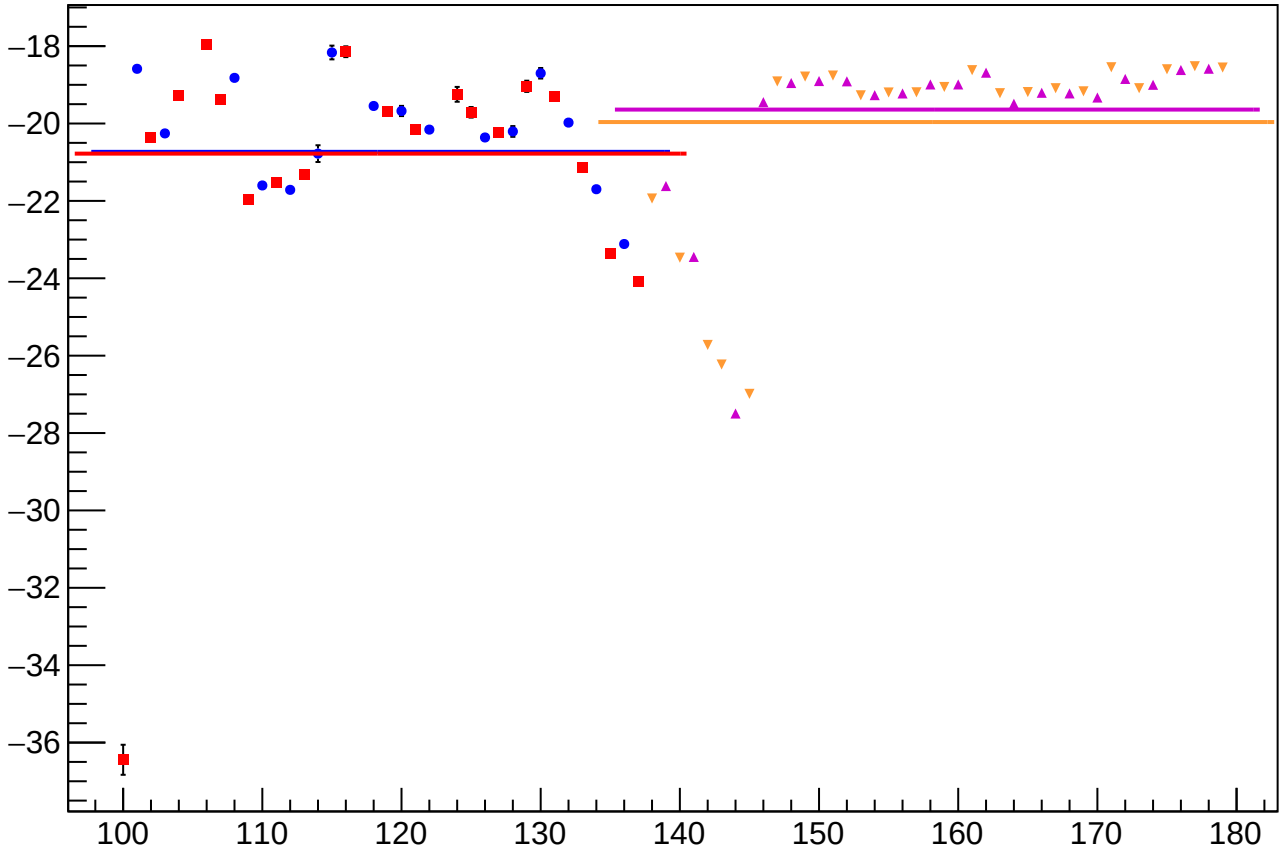
Left In: 8.773+/-0.189 χ^2/NDF:683.0/19

\+ sign 7.477+/-0.163 χ^2/NDF: 1689.4/37

All: 7.316+/-0.117 χ^2/NDF: 2991.9/76

\- sign 7.144+/-0.169 χ^2/NDF: 1300.5/38

reg_asym_right_avg_diff_bpm12X_slope vs Slug



Right In: -20.732+/-0.019 χ^2/NDF: 7634.1/15

Left Out: -19.962+/-0.008 χ^2/NDF:77853.8/21

Right Out: -20.778+/-0.020 χ^2/NDF: 9426.6/18

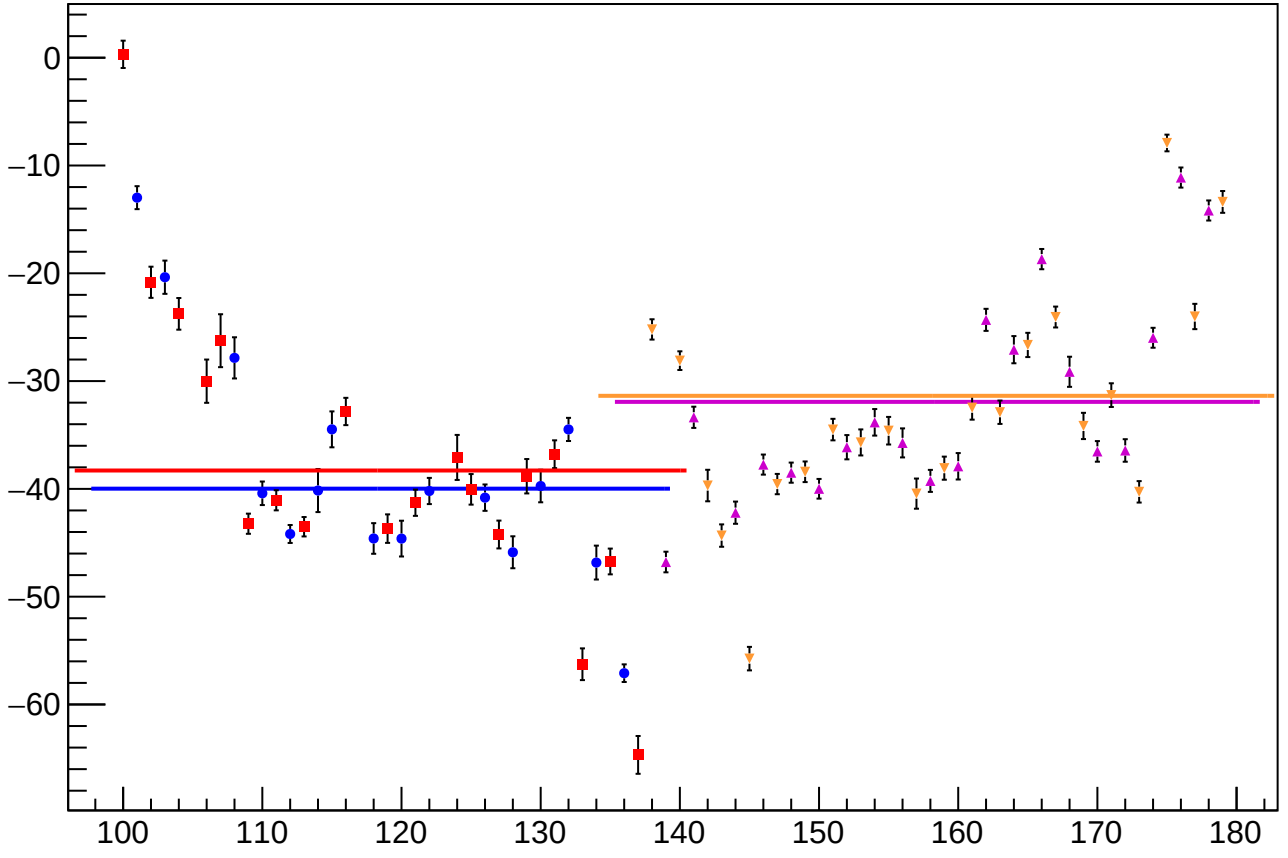
Left In: -19.640+/-0.009 χ^2/NDF:44281.9/19

+ sign -20.084+/-0.008 χ^2/NDF: 86811.5/37

All: -19.951+/-0.006 χ^2/NDF: 143824.3/76

- sign -19.813+/-0.008 χ^2/NDF: 56406.0/38

reg_asym_right_dd_diff_bpm1X_slope vs Slug



Right In: -39.979+/-0.311 χ^2/NDF: 1398.4/15

Left Out: -31.366+/-0.224 χ^2/NDF:2424.0/21

Right Out: -38.295+/-0.299 χ^2/NDF: 1773.8/18

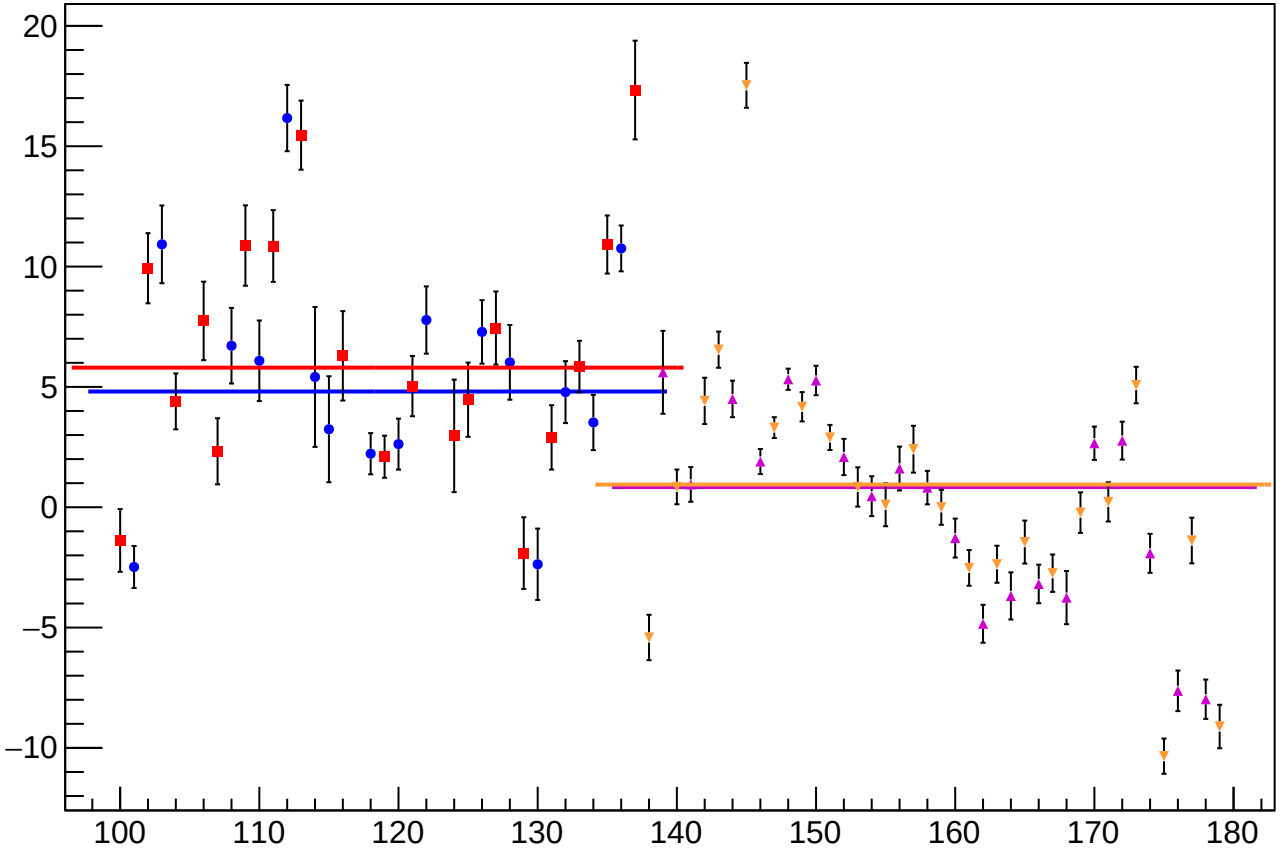
Left In: -31.928+/-0.230 χ^2/NDF:1826.5/19

+ sign -34.300+/-0.182 χ^2/NDF: 4327.9/37

All: -34.297+/-0.129 χ^2/NDF: 8212.9/76

- sign -34.294+/-0.182 χ^2/NDF: 3885.0/38

reg_asym_right_dd_diff_bpm4aY_slope vs Slug



Right In: 4.808+/-0.316 χ^2/NDF: 240.5/15

Left Out: 0.943+/-0.159 χ^2/NDF:976.4/21

Right Out: 5.801+/-0.315 χ^2/NDF: 216.4/18

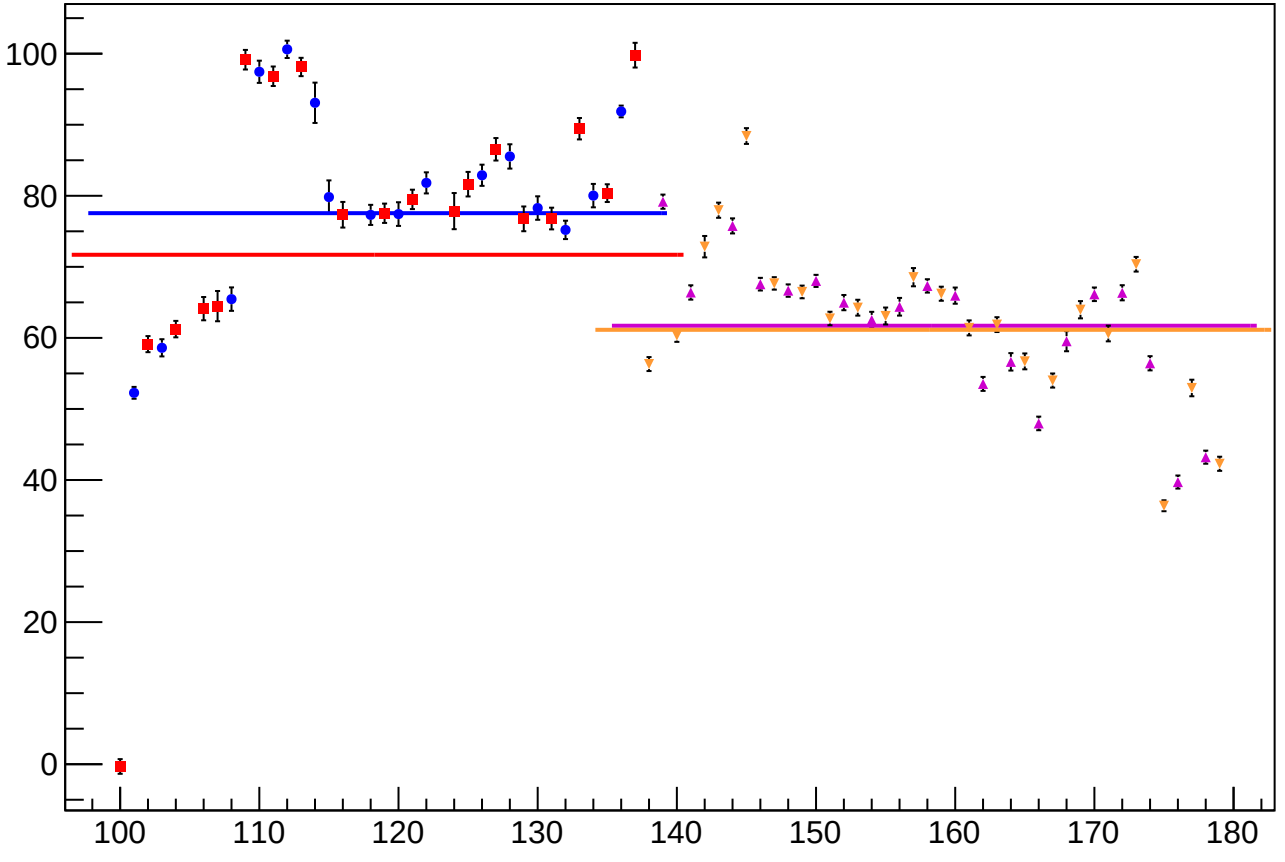
Left In: 0.838+/-0.165 χ^2/NDF:558.9/19

+ sign 1.719+/-0.142 χ^2/NDF: 1336.2/37

All: 1.811+/-0.102 χ^2/NDF: 2307.1/76

- sign 1.908+/-0.146 χ^2/NDF: 970.1/38

reg_asym_right_dd_diff_bpm4eX_slope vs Slug



Right In: 77.554+/-0.337 χ^2/NDF: 2118.3/15

Left Out: 61.138+/-0.220 χ^2/NDF:2694.5/21

Right Out: 71.699+/-0.330 χ^2/NDF: 6903.5/18

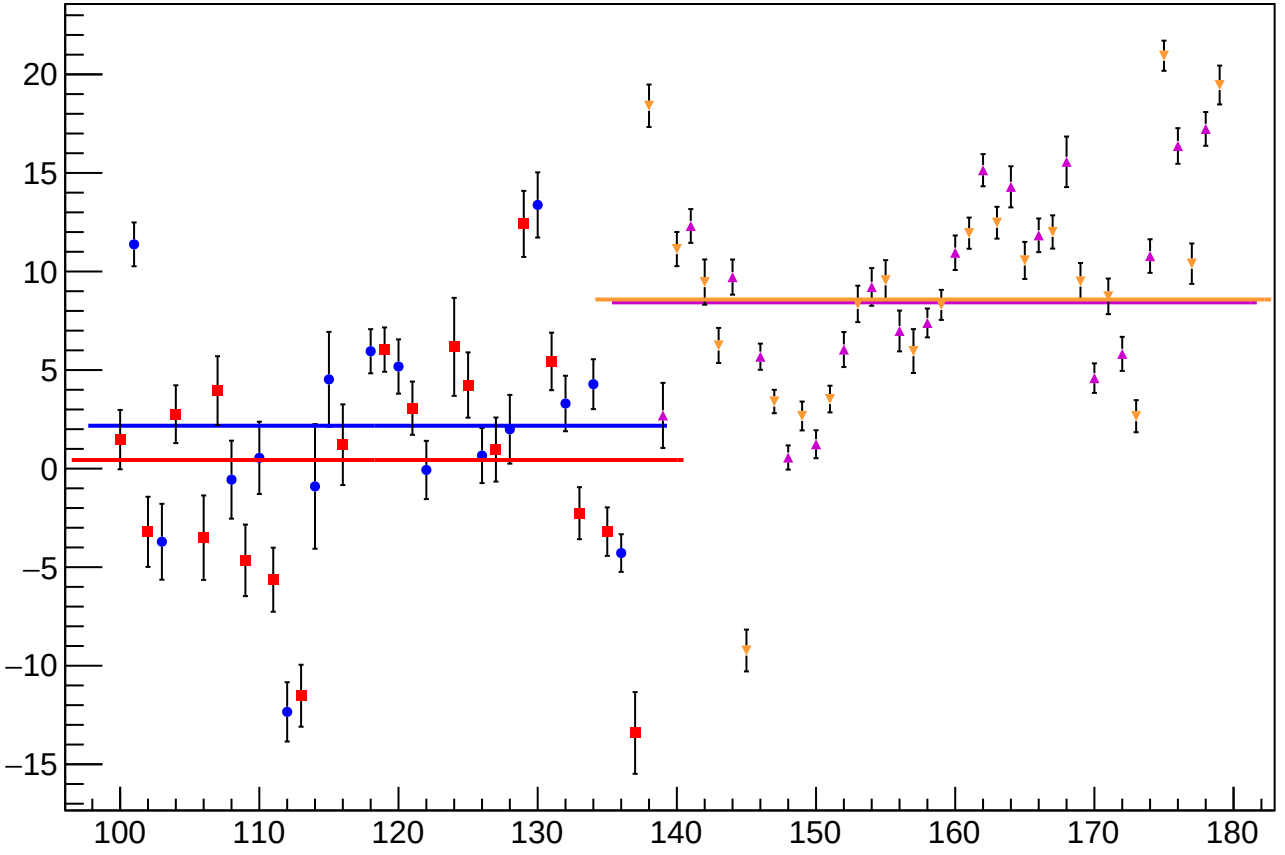
Left In: 61.710+/-0.226 χ^2/NDF:2032.9/19

\+ sign 66.030+/-0.184 χ^2/NDF: 6474.7/37

All: 65.467+/-0.131 χ^2/NDF: 16052.9/76

\- sign 64.890+/-0.186 χ^2/NDF: 9559.3/38

reg_asym_right_dd_diff_bpm4eY_slope vs Slug



Right In: 2.175+/-0.364 χ^2/NDF: 290.3/15

Left Out: 8.578+/-0.183 χ^2/NDF:1087.4/21

Right Out: 0.438+/-0.362 χ^2/NDF: 254.1/18

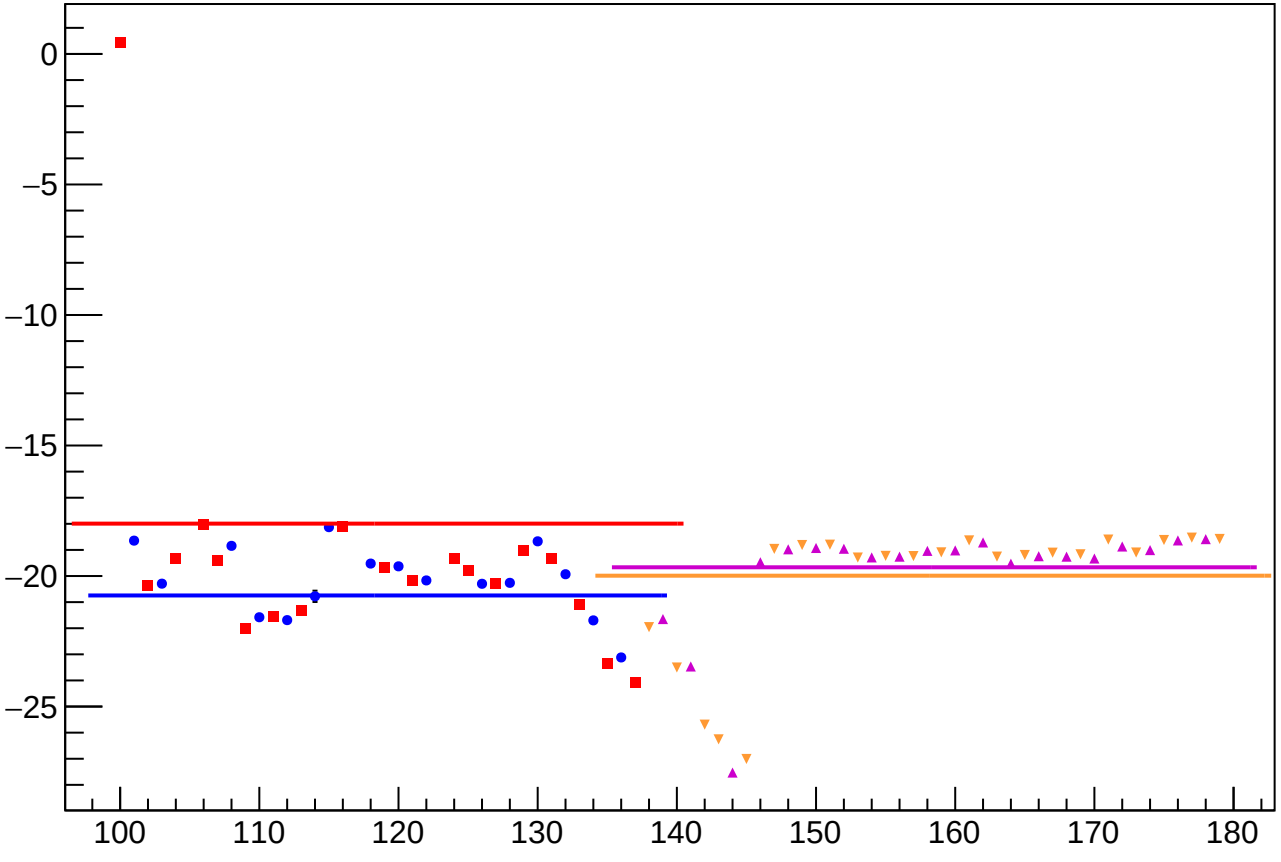
Left In: 8.435+/-0.189 χ^2/NDF:711.2/19

+ sign 7.284+/-0.163 χ^2/NDF: 1625.2/37

All: 7.007+/-0.117 χ^2/NDF: 2979.7/76

- sign 6.715+/-0.168 χ^2/NDF: 1348.6/38

reg_asym_right_dd_diff_bpm12X_slope vs Slug



Right In: -20.745+/-0.019 χ^2/NDF: 7513.6/15

Left Out: -19.987+/-0.008 χ^2/NDF:77427.4/21

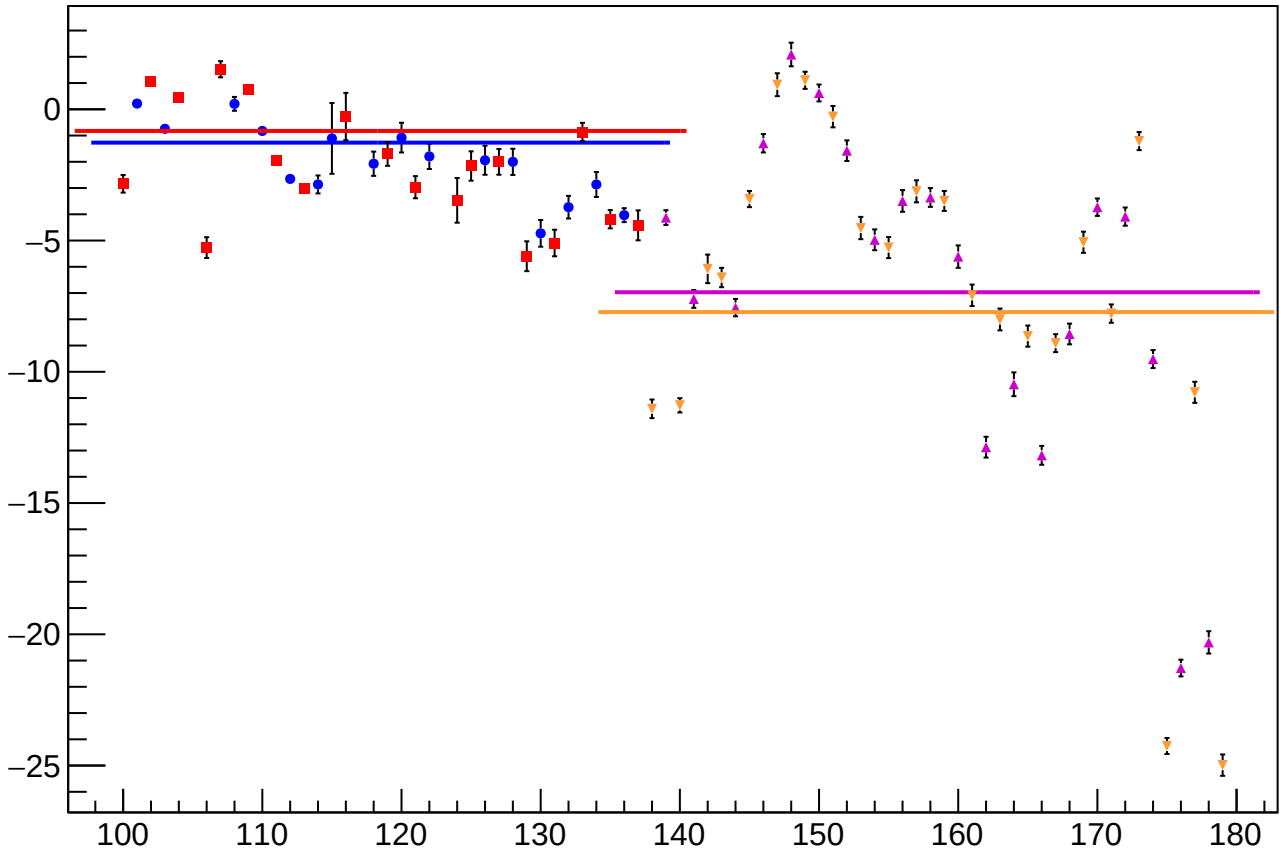
Right Out: -17.993+/-0.019 χ^2/NDF: 150579.1/18

Left In: -19.665+/-0.009 χ^2/NDF:44190.4/19

+ sign -20.108+/-0.008 χ^2/NDF: 86215.7/37

All: -19.746+/-0.005 χ^2/NDF: 291873.7/76

- sign -19.381+/-0.008 χ^2/NDF: 201282.0/38



Right In: -1.270+/-0.055 χ^2/NDF: 616.5/15

Left Out: -7.726+/-0.079 χ^2/NDF:7545.4/21

Right Out: -0.825+/-0.051 χ^2/NDF: 1384.3/18

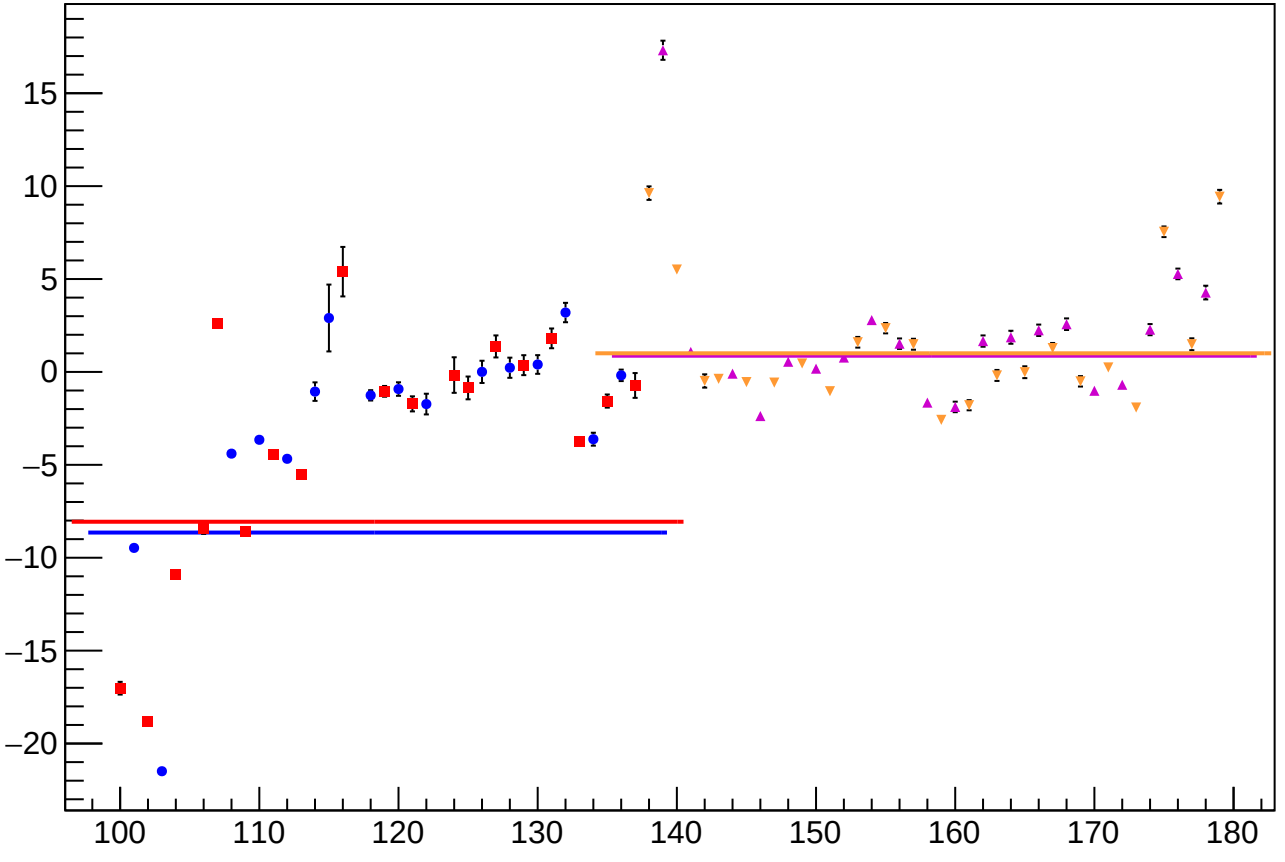
Left In: -6.969+/-0.081 χ^2/NDF:5541.5/19

+ sign -3.352+/-0.045 χ^2/NDF: 12684.4/37

All: -2.944+/-0.031 χ^2/NDF: 23877.6/76

- sign -2.566+/-0.043 χ^2/NDF: 11034.1/38

reg_asym_sam_15_avg_diff_bpm4aY_slope vs Slug



Right In: -8.645+/-0.057 χ^2/NDF: 13827.6/15

Left Out: 1.003+/-0.058 χ^2/NDF:2736.9/21

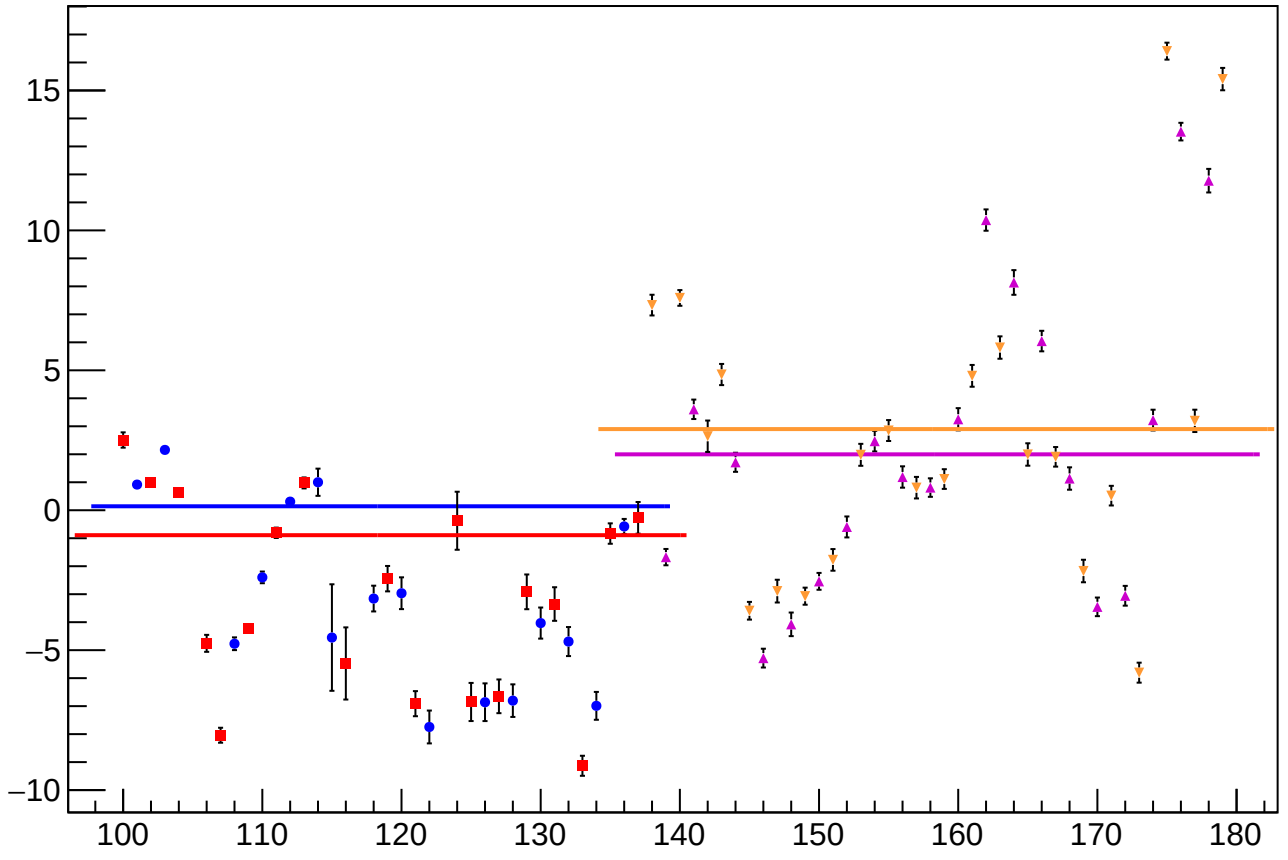
Right Out: -8.063+/-0.058 χ^2/NDF: 14427.9/18

Left In: 0.873+/-0.061 χ^2/NDF:2040.8/19

+ sign -3.886+/-0.041 χ^2/NDF: 30726.9/37

All: -3.855+/-0.029 χ^2/NDF: 58658.4/76

- sign -3.822+/-0.042 χ^2/NDF: 27930.3/38



Right In: 0.141+/-0.053 χ^2/NDF: 1959.8/15

Left Out: 2.900+/-0.078 χ^2/NDF:5519.5/21

Right Out: -0.891+/-0.054 χ^2/NDF: 2985.7/18

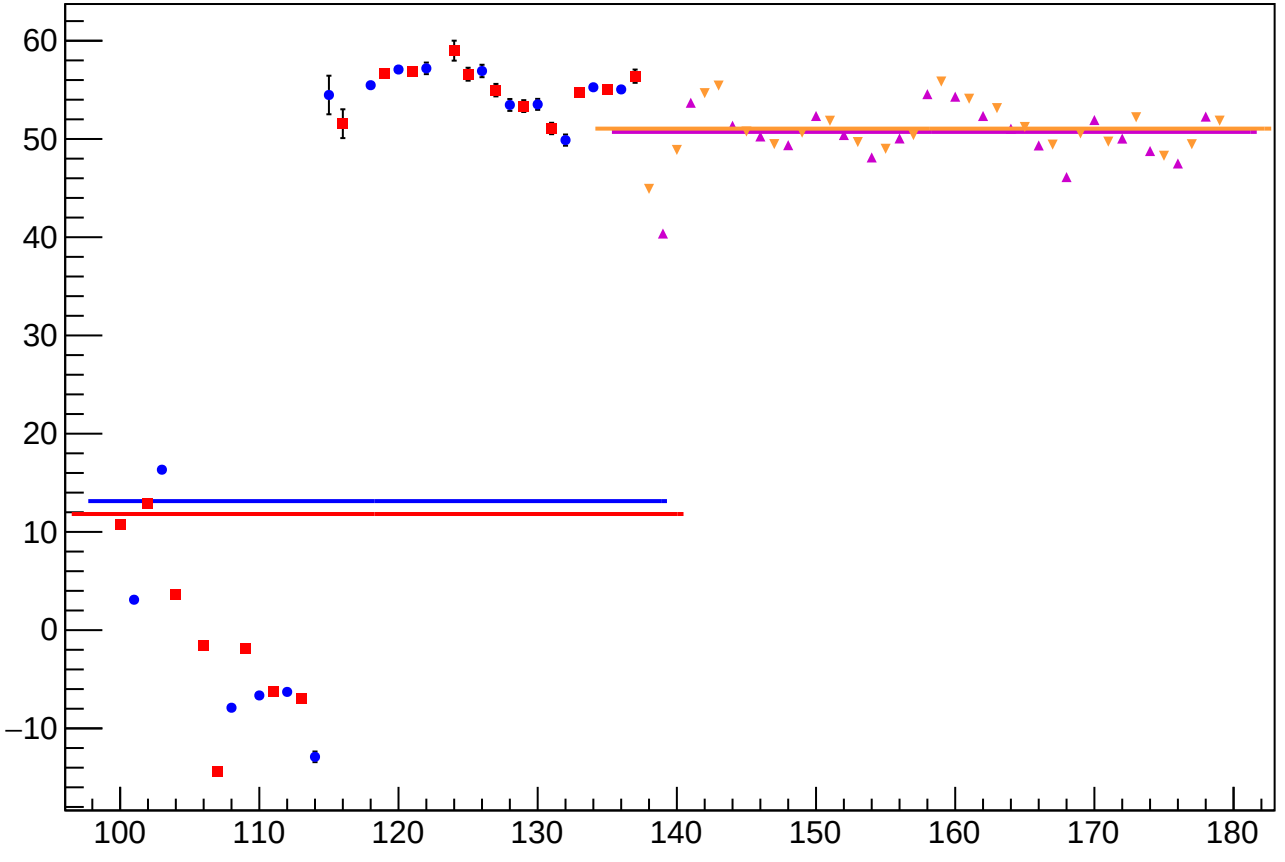
Left In: 1.998+/-0.080 χ^2/NDF:4328.9/19

+ sign 1.014+/-0.044 χ^2/NDF: 8337.5/37

All: 0.518+/-0.031 χ^2/NDF: 16814.0/76

- sign 0.006+/-0.045 χ^2/NDF: 8216.2/38

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug



Right In: 13.136+/-0.068 χ^2/NDF: 108574.4/15

Left Out: 51.055+/-0.066 χ^2/NDF:1302.3/21

Right Out: 11.822+/-0.068 χ^2/NDF: 118168.5/18

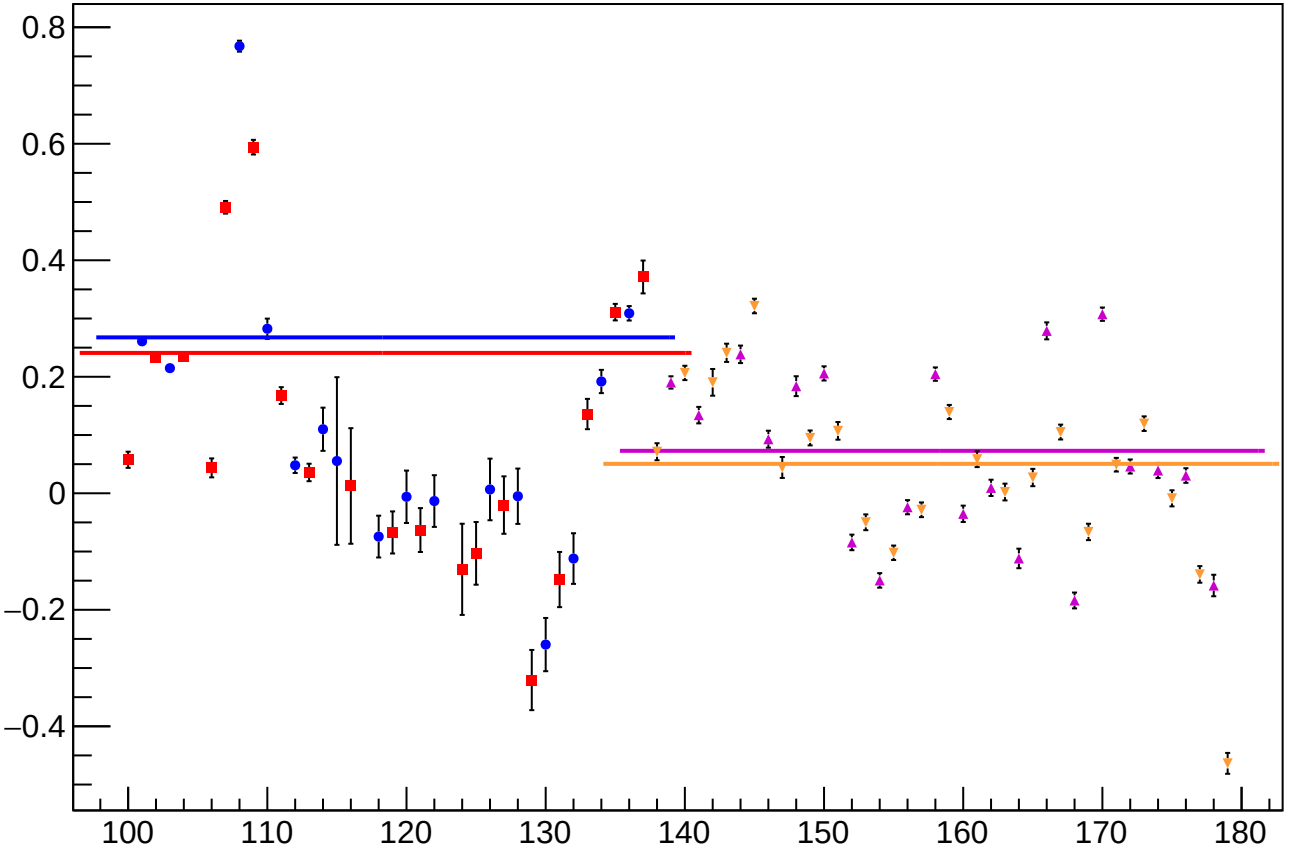
Left In: 50.721+/-0.068 χ^2/NDF:1441.1/19

+ sign 32.717+/-0.047 χ^2/NDF: 270718.6/37

All: 31.936+/-0.034 χ^2/NDF: 553983.5/76

- sign 31.124+/-0.048 χ^2/NDF: 282706.9/38

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug



Right In: 0.268+/-0.003 χ^2/NDF: 3720.4/15

Left Out: 0.051+/-0.003 χ^2/NDF:2291.1/21

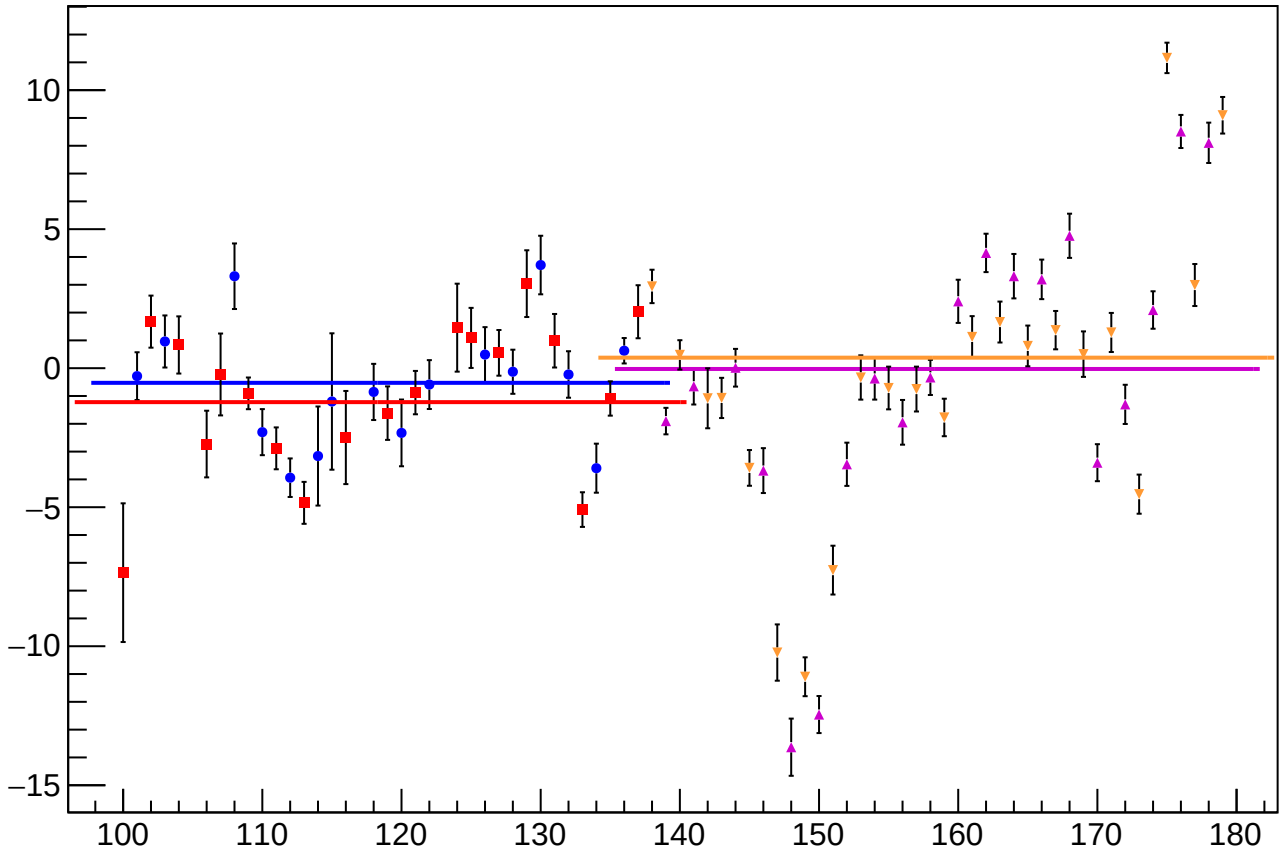
Right Out: 0.241+/-0.003 χ^2/NDF: 2339.2/18

Left In: 0.073+/-0.003 χ^2/NDF:2431.5/19

+ sign 0.165+/-0.002 χ^2/NDF: 8870.1/37

All: 0.164+/-0.001 χ^2/NDF: 15364.9/76

- sign 0.164+/-0.002 χ^2/NDF: 6494.6/38



Right In: -0.527+/-0.217 χ^2/NDF: 82.7/15

Left Out: 0.379+/-0.152 χ^2/NDF:1164.4/21

Right Out: -1.221+/-0.205 χ^2/NDF: 130.9/18

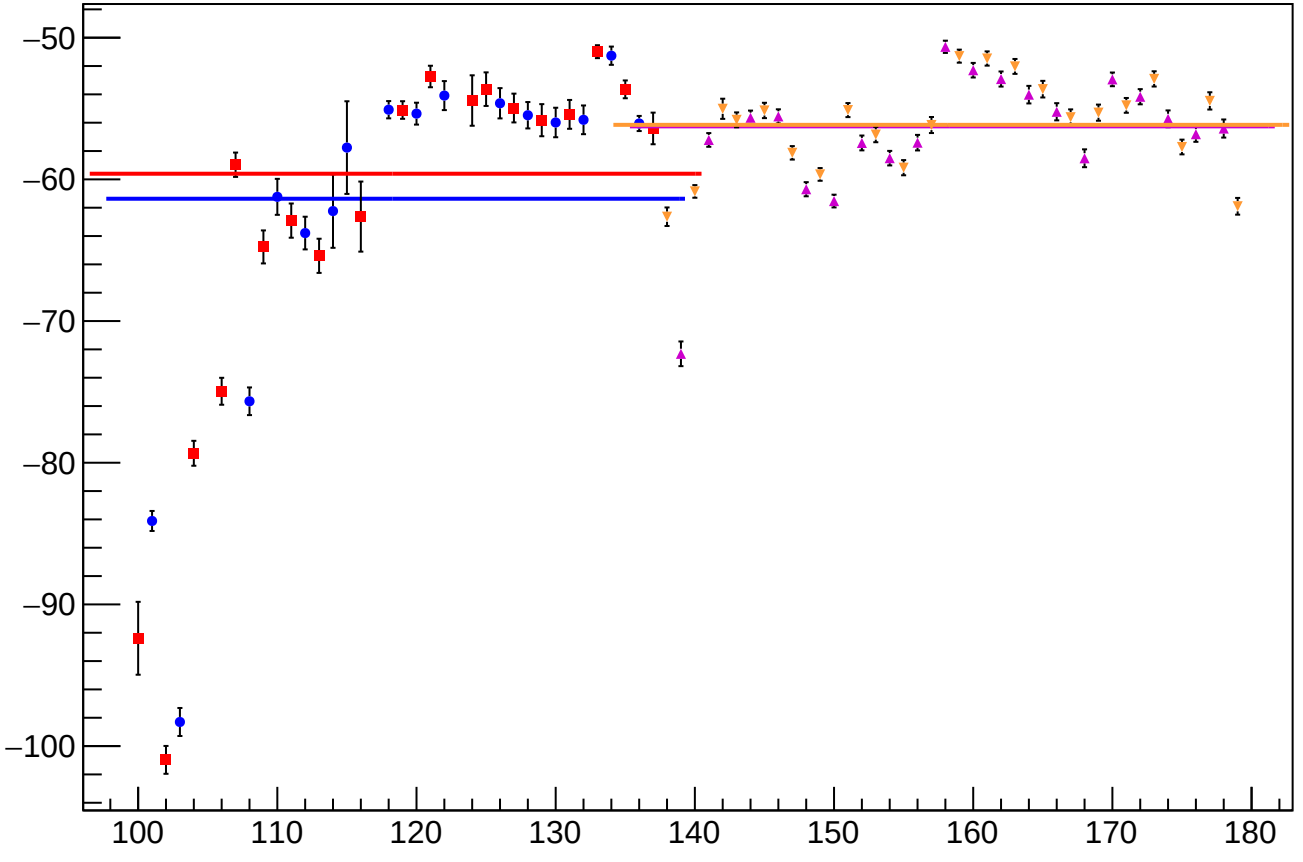
Left In: -0.028+/-0.156 χ^2/NDF:1076.6/19

+ sign 0.081+/-0.124 χ^2/NDF: 1258.8/37

All: -0.193+/-0.088 χ^2/NDF: 2497.6/76

- sign -0.466+/-0.124 χ^2/NDF: 1229.1/38

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug



Right In: -61.367+/-0.219 χ^2/NDF: 3351.2/15

Left Out: -56.151+/-0.113 χ^2/NDF:766.6/21

Right Out: -59.601+/-0.207 χ^2/NDF: 3421.3/18

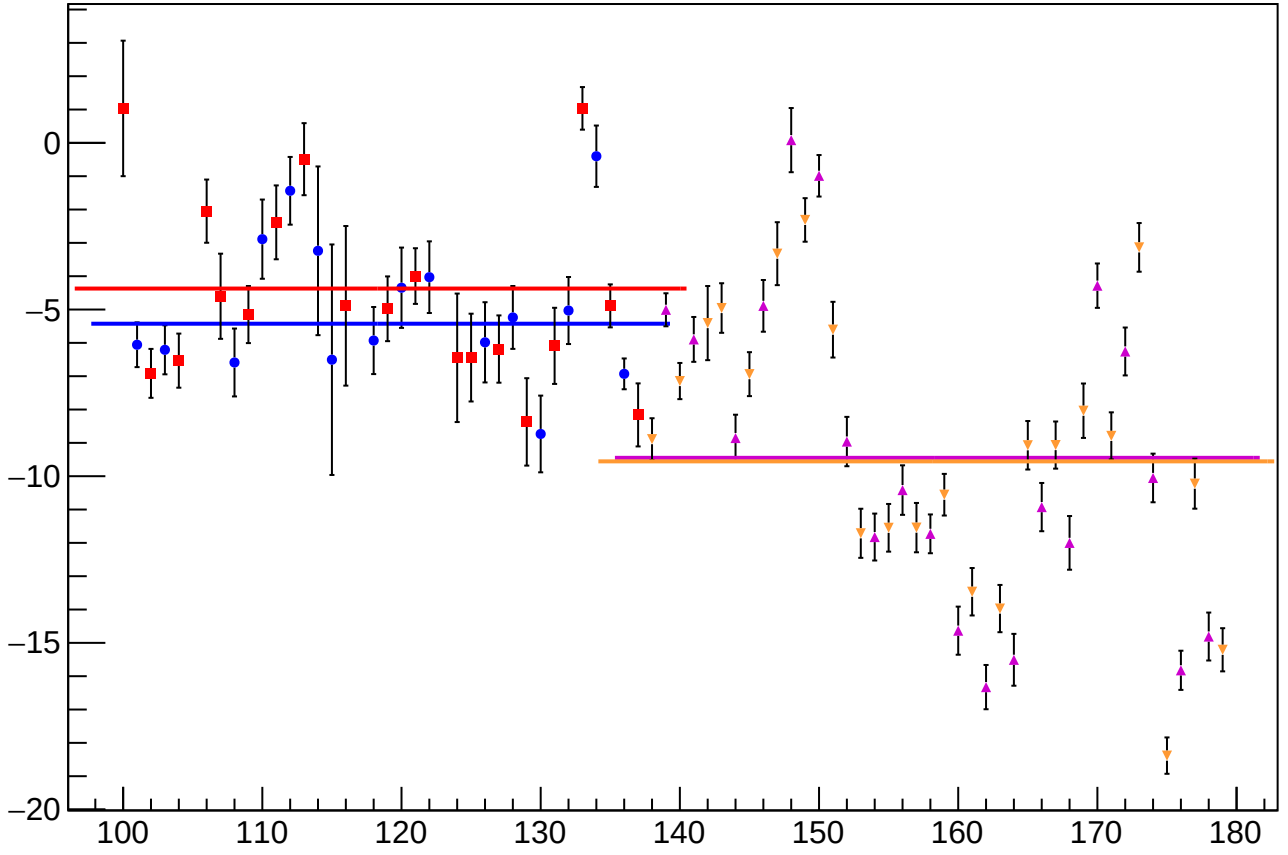
Left In: -56.259+/-0.119 χ^2/NDF:951.1/19

+ sign -57.255+/-0.101 χ^2/NDF: 4564.9/37

All: -57.177+/-0.072 χ^2/NDF: 9134.6/76

- sign -57.096+/-0.103 χ^2/NDF: 4568.5/38

reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug



Right In: -5.425+/-0.230 χ^2/NDF: 76.0/15

Left Out: -9.555+/-0.150 χ^2/NDF:794.6/21

Right Out: -4.371+/-0.223 χ^2/NDF: 156.6/18

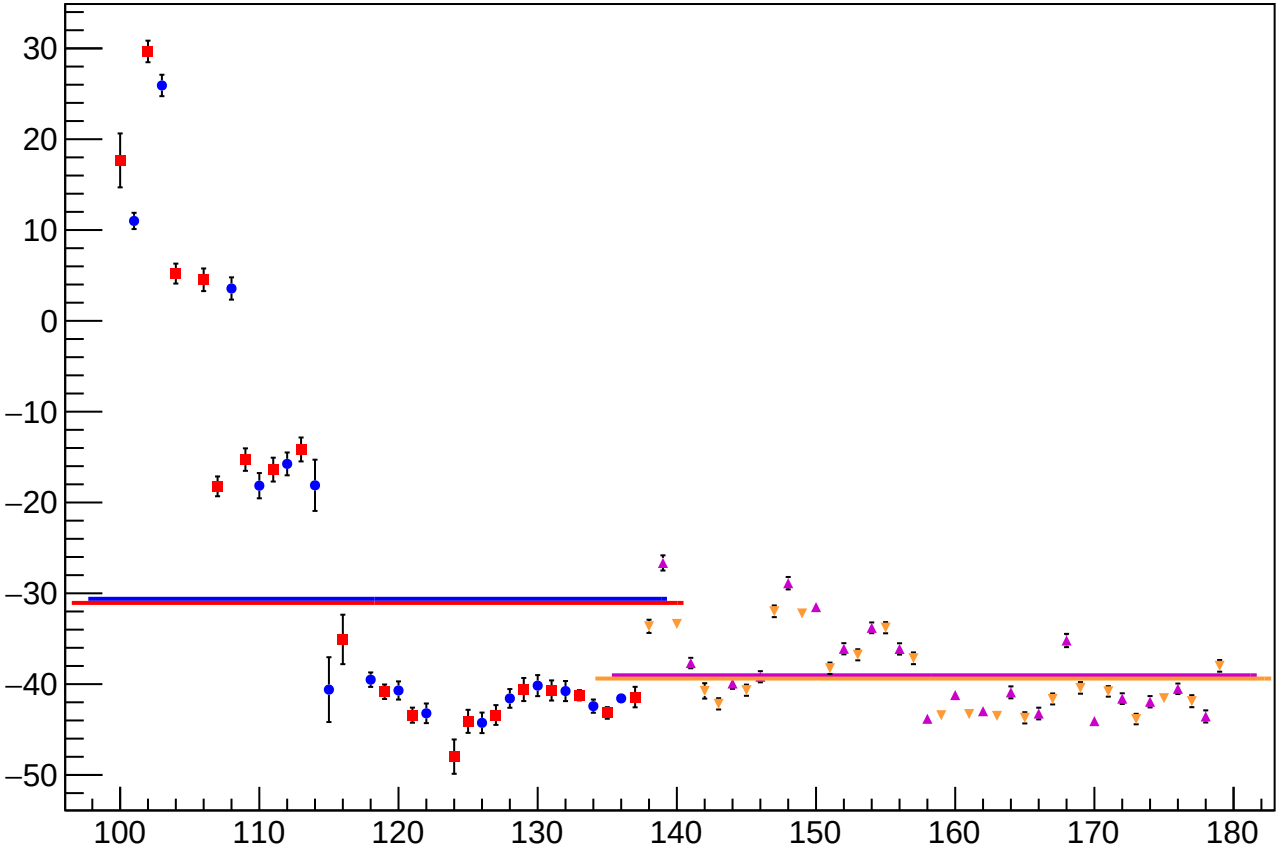
Left In: -9.449+/-0.153 χ^2/NDF:942.8/19

\+ sign -8.327+/-0.125 χ^2/NDF: 1097.2/37

All: -8.071+/-0.089 χ^2/NDF: 2558.0/76

\- sign -7.812+/-0.126 χ^2/NDF: 1452.4/38

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug



Right In: -30.605+/-0.249 χ^2/NDF: 6938.0/15

Left Out: -39.385+/-0.128 χ^2/NDF:986.4/21

Right Out: -31.056+/-0.238 χ^2/NDF: 6976.4/18

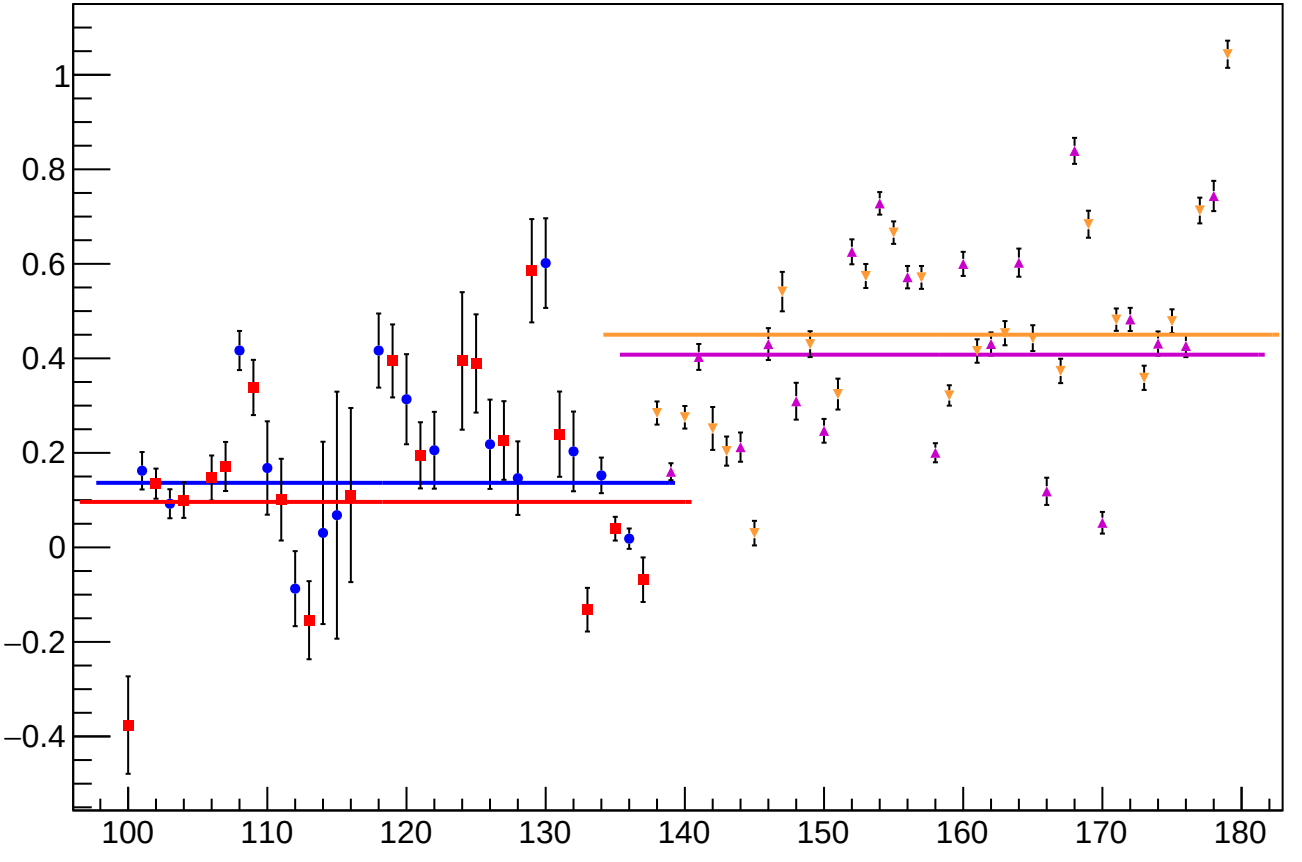
Left In: -39.028+/-0.133 χ^2/NDF:1218.7/19

+ sign -37.556+/-0.114 χ^2/NDF: 8905.7/37

All: -37.342+/-0.081 χ^2/NDF: 17963.0/76

- sign -37.119+/-0.116 χ^2/NDF: 9050.1/38

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug



Right In: 0.137+/-0.013 χ^2/NDF: 129.2/15

Left Out: 0.450+/-0.006 χ^2/NDF:1243.0/21

Right Out: 0.096+/-0.012 χ^2/NDF: 147.7/18

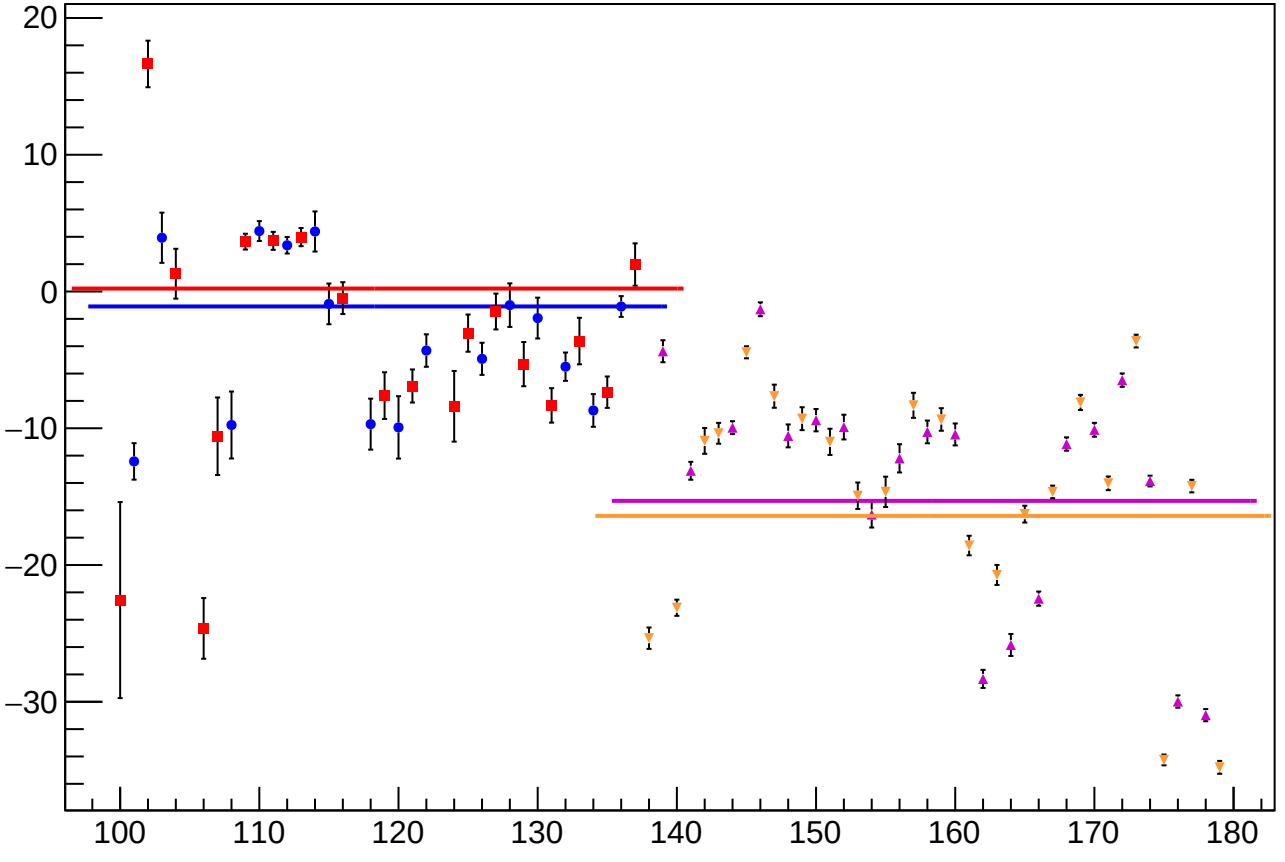
Left In: 0.408+/-0.006 χ^2/NDF:1487.3/19

+ sign 0.397+/-0.005 χ^2/NDF: 1893.7/37

All: 0.375+/-0.004 χ^2/NDF: 4089.2/76

- sign 0.353+/-0.005 χ^2/NDF: 2160.0/38

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug



Right In: -1.092+/-0.281 χ^2/NDF: 332.0/15

Left Out: -16.408+/-0.130 χ^2/NDF:6075.5/21

Right Out: 0.216+/-0.266 χ^2/NDF: 520.8/18

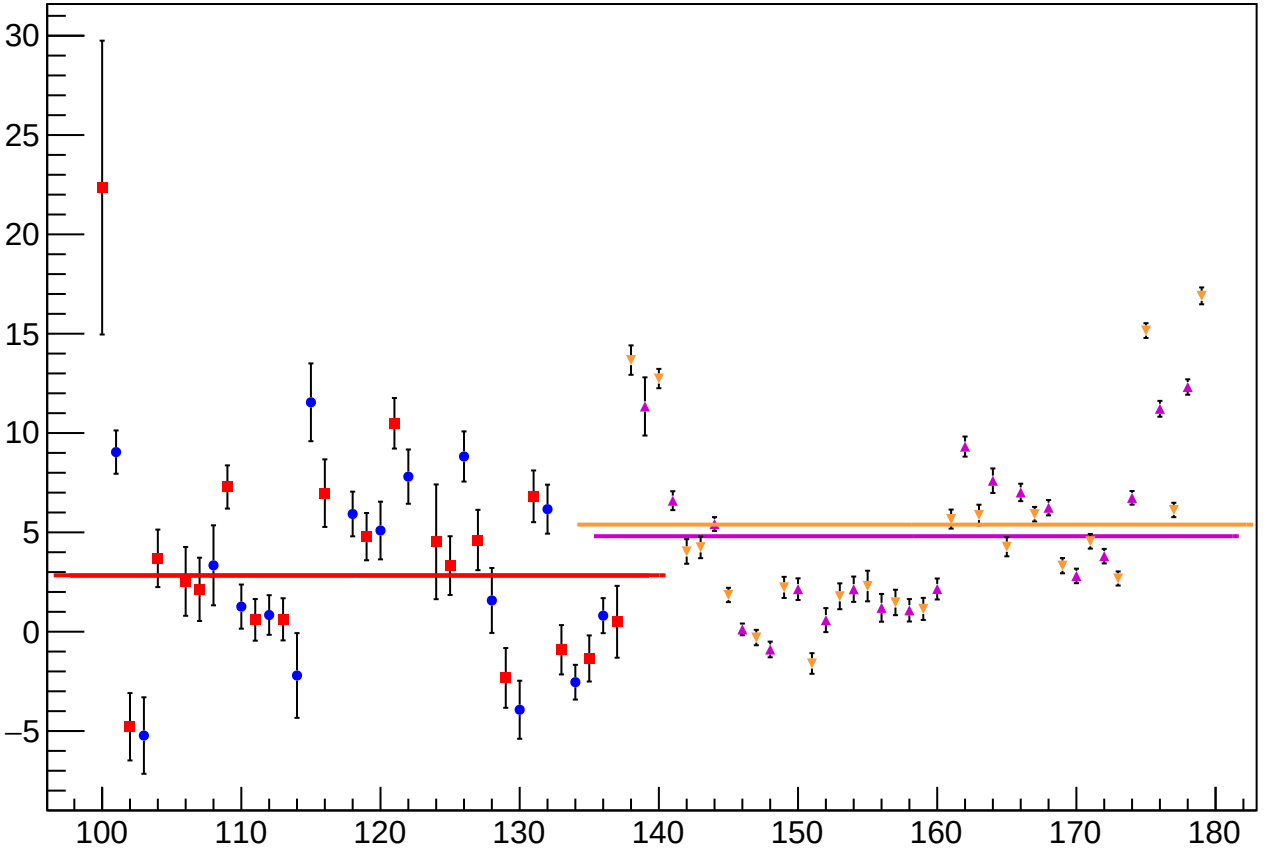
Left In: -15.309+/-0.132 χ^2/NDF:4850.3/19

+ sign -13.712+/-0.118 χ^2/NDF: 8862.7/37

All: -12.985+/-0.083 χ^2/NDF: 17042.8/76

- sign -12.255+/-0.118 χ^2/NDF: 8103.7/38

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug



Right In: 2.823+/-0.313 χ^2/NDF: 199.6/15

Left Out: 5.390+/-0.097 χ^2/NDF:2560.8/21

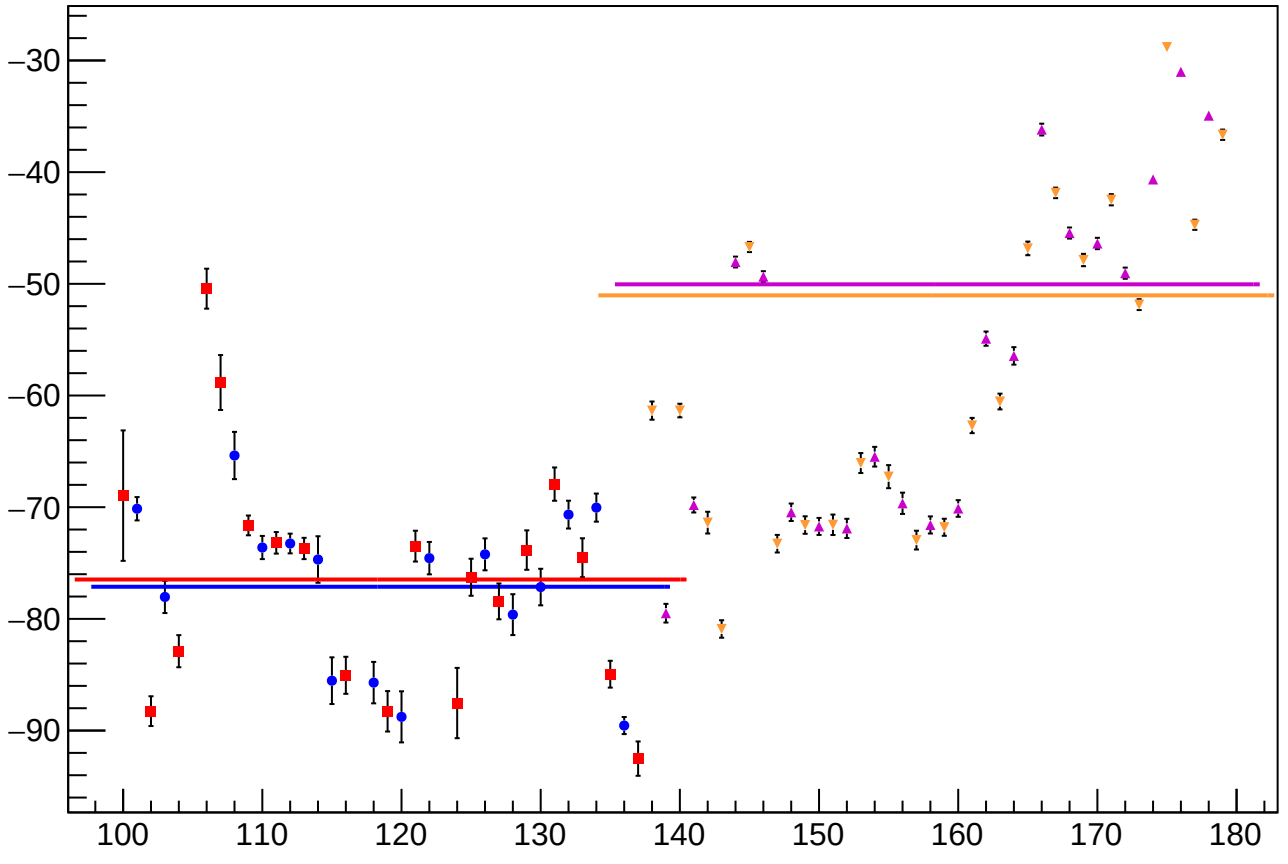
Right Out: 2.840+/-0.322 χ^2/NDF: 145.0/18

Left In: 4.806+/-0.098 χ^2/NDF:1527.4/19

+ sign 5.164+/-0.093 χ^2/NDF: 2821.5/37

All: 4.904+/-0.066 χ^2/NDF: 4543.7/76

- sign 4.638+/-0.094 χ^2/NDF: 1706.4/38



Right In: -77.123+/-0.326 χ^2/NDF: 503.3/15

Left Out: -51.032+/-0.129 χ^2/NDF:11873.8/21

Right Out: -76.475+/-0.328 χ^2/NDF: 695.8/18

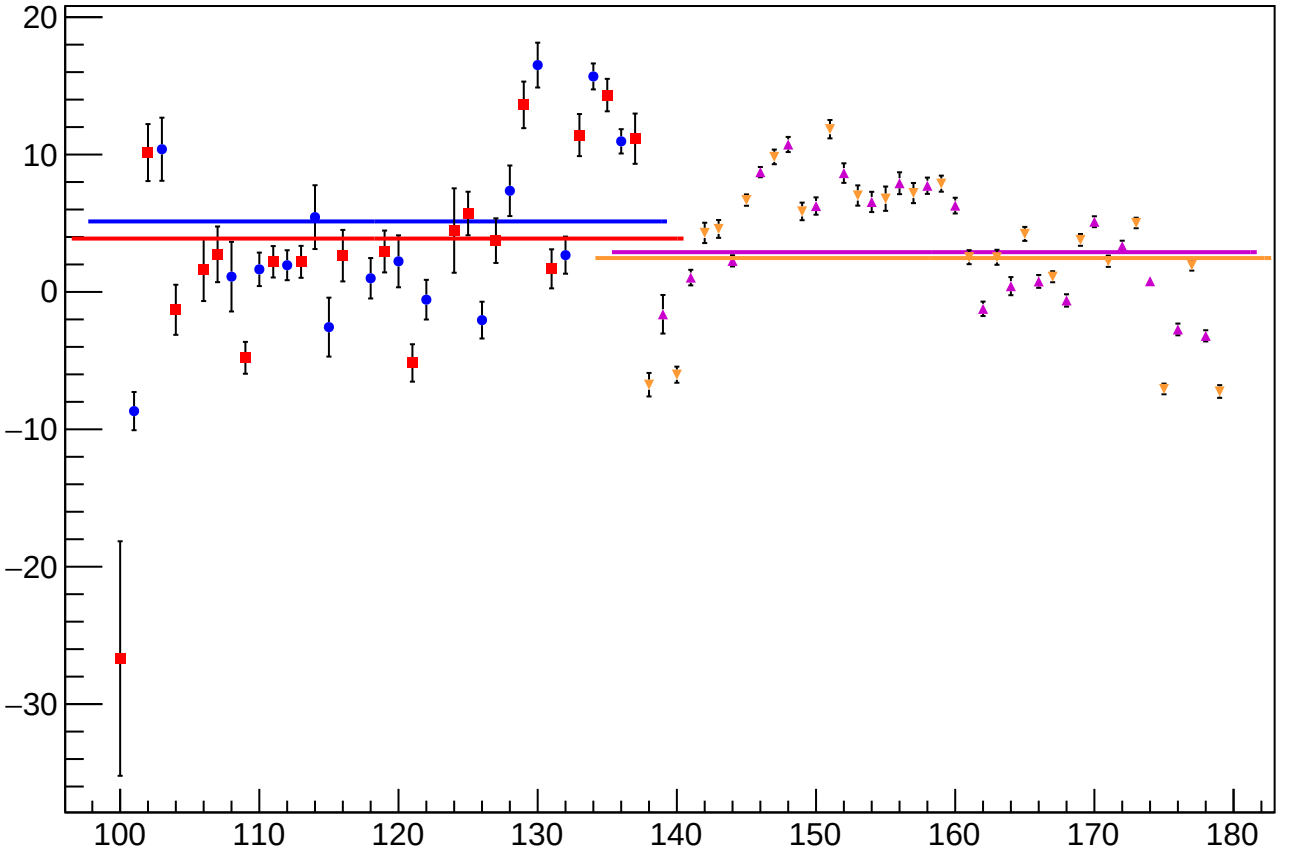
Left In: -50.044+/-0.131 χ^2/NDF:10924.2/19

+ sign -54.566+/-0.120 χ^2/NDF: 17905.1/37

All: -54.134+/-0.086 χ^2/NDF: 35132.8/76

- sign -53.689+/-0.122 χ^2/NDF: 17201.4/38

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug



Right In: 5.132+/-0.350 χ^2/NDF: 412.3/15

Left Out: 2.466+/-0.109 χ^2/NDF:2168.9/21

Right Out: 3.885+/-0.361 χ^2/NDF: 291.5/18

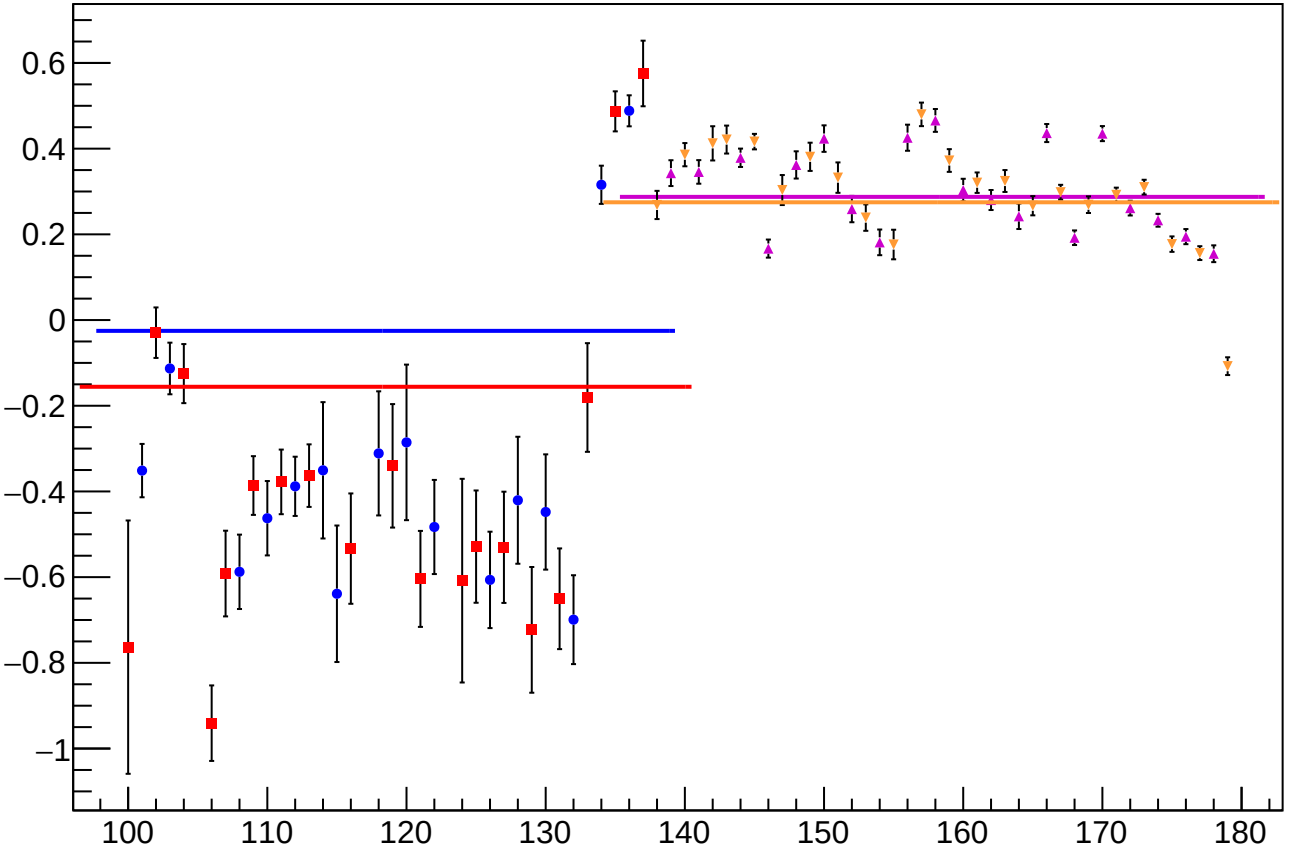
Left In: 2.895+/-0.111 χ^2/NDF:1350.9/19

+ sign 2.704+/-0.104 χ^2/NDF: 2634.1/37

All: 2.840+/-0.074 χ^2/NDF: 4286.8/76

- sign 2.981+/-0.106 χ^2/NDF: 1649.2/38

reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug



Right In: -0.025+/-0.019 χ^2/NDF: 512.5/15

Left Out: 0.275+/-0.005 χ^2/NDF:641.0/21

Right Out: -0.156+/-0.020 χ^2/NDF: 494.9/18

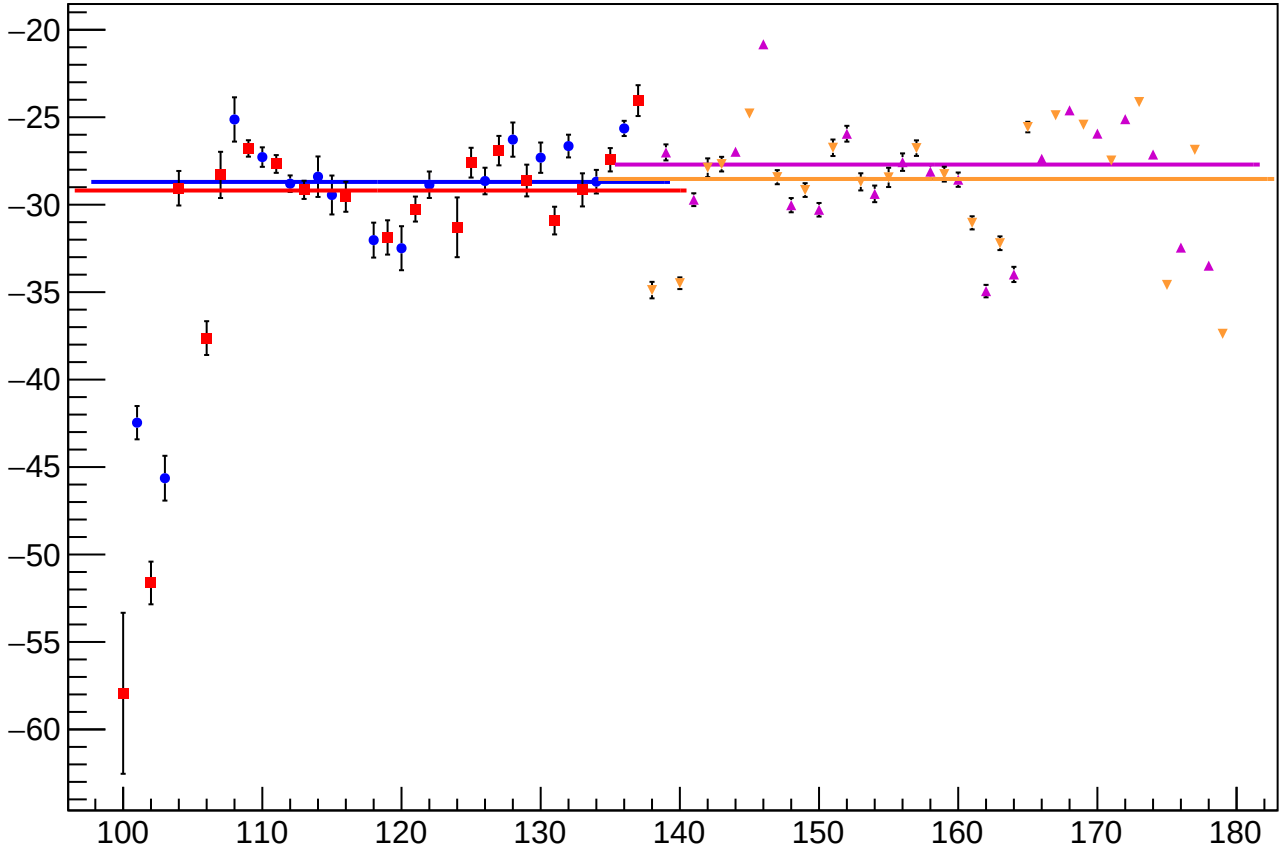
Left In: 0.287+/-0.005 χ^2/NDF:405.9/19

+ sign 0.256+/-0.005 χ^2/NDF: 1388.6/37

All: 0.259+/-0.003 χ^2/NDF: 2743.7/76

- sign 0.262+/-0.005 χ^2/NDF: 1354.2/38

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug



Right In: -28.698+/-0.186 χ^2/NDF: 487.3/15

Left Out: -28.529+/-0.064 χ^2/NDF:4280.9/21

Right Out: -29.189+/-0.181 χ^2/NDF: 557.3/18

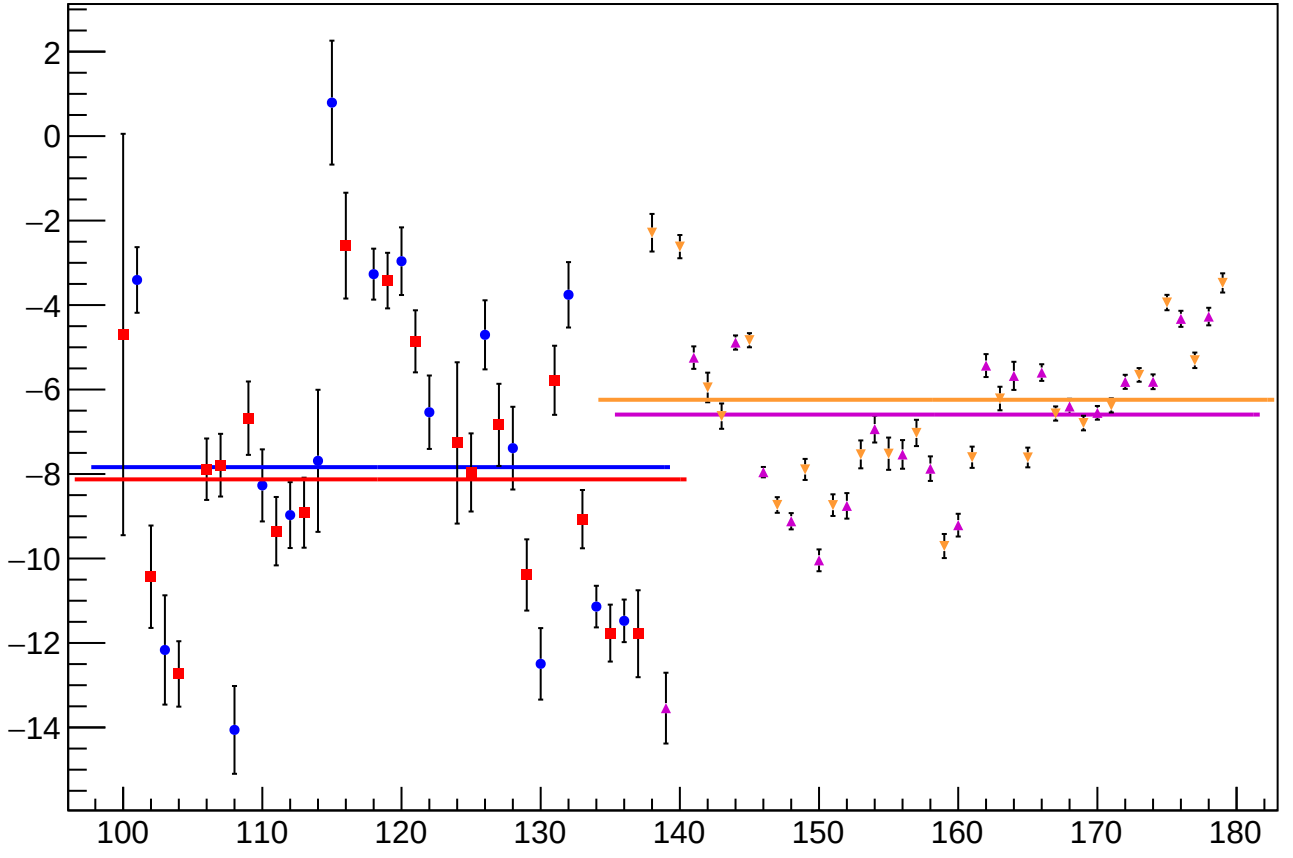
Left In: -27.706+/-0.064 χ^2/NDF:3348.2/19

+ sign -28.547+/-0.060 χ^2/NDF: 4768.9/37

All: -28.207+/-0.042 χ^2/NDF: 8797.9/76

- sign -27.868+/-0.060 χ^2/NDF: 3965.2/38

reg_asym_sam_37_dd_diff_bpm4aY_slope vs Slug



Right In: -7.837+/-0.195 χ^2/NDF: 383.2/15

Left Out: -6.242+/-0.048 χ^2/NDF:1250.5/21

Right Out: -8.127+/-0.197 χ^2/NDF: 197.3/18

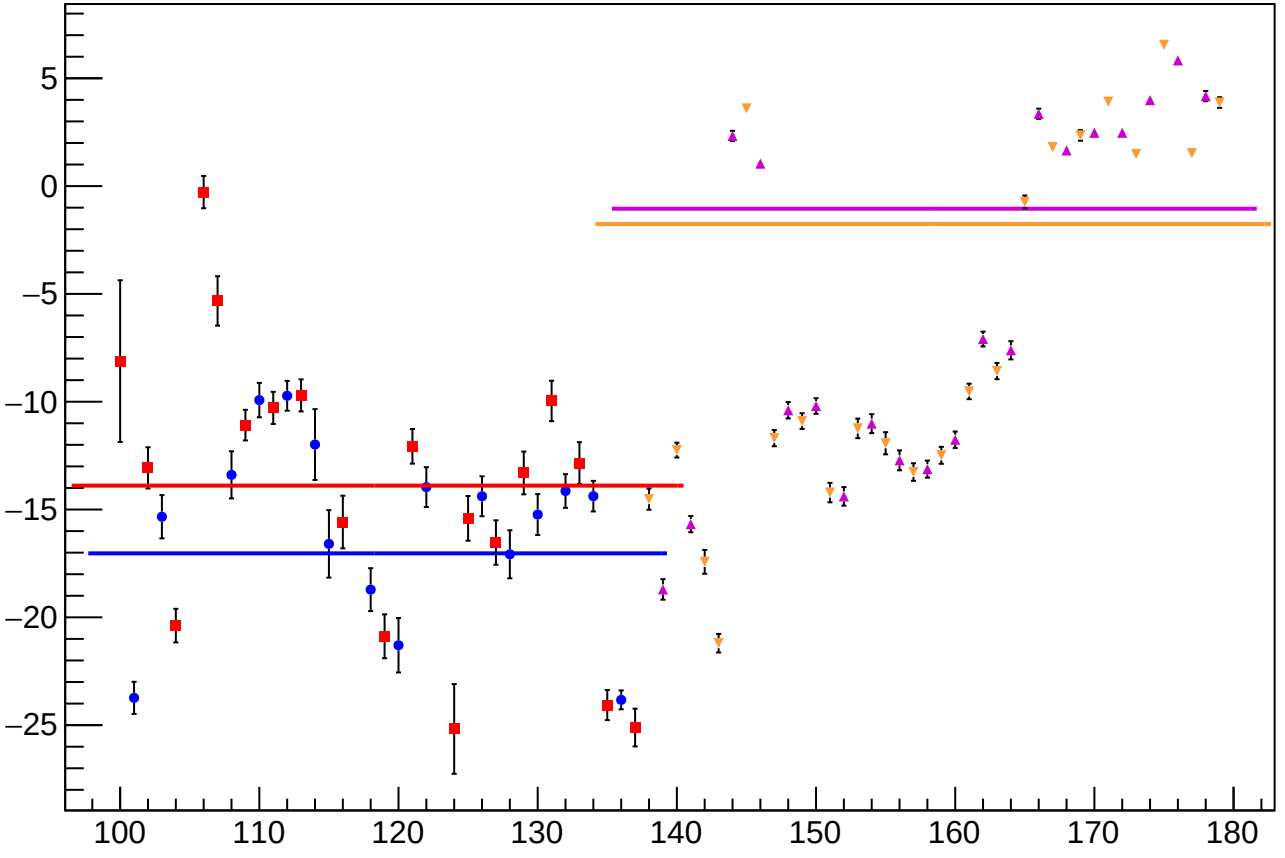
Left In: -6.593+/-0.047 χ^2/NDF:1204.9/19

+ sign -6.332+/-0.046 χ^2/NDF: 1696.8/37

All: -6.506+/-0.033 χ^2/NDF: 3184.5/76

- sign -6.676+/-0.046 χ^2/NDF: 1459.7/38

reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug



Right In: -17.033+/-0.209 χ^2/NDF: 601.2/15

Left Out: -1.760+/-0.063 χ^2/NDF:14317.7/21

Right Out: -13.892+/-0.209 χ^2/NDF: 1017.4/18

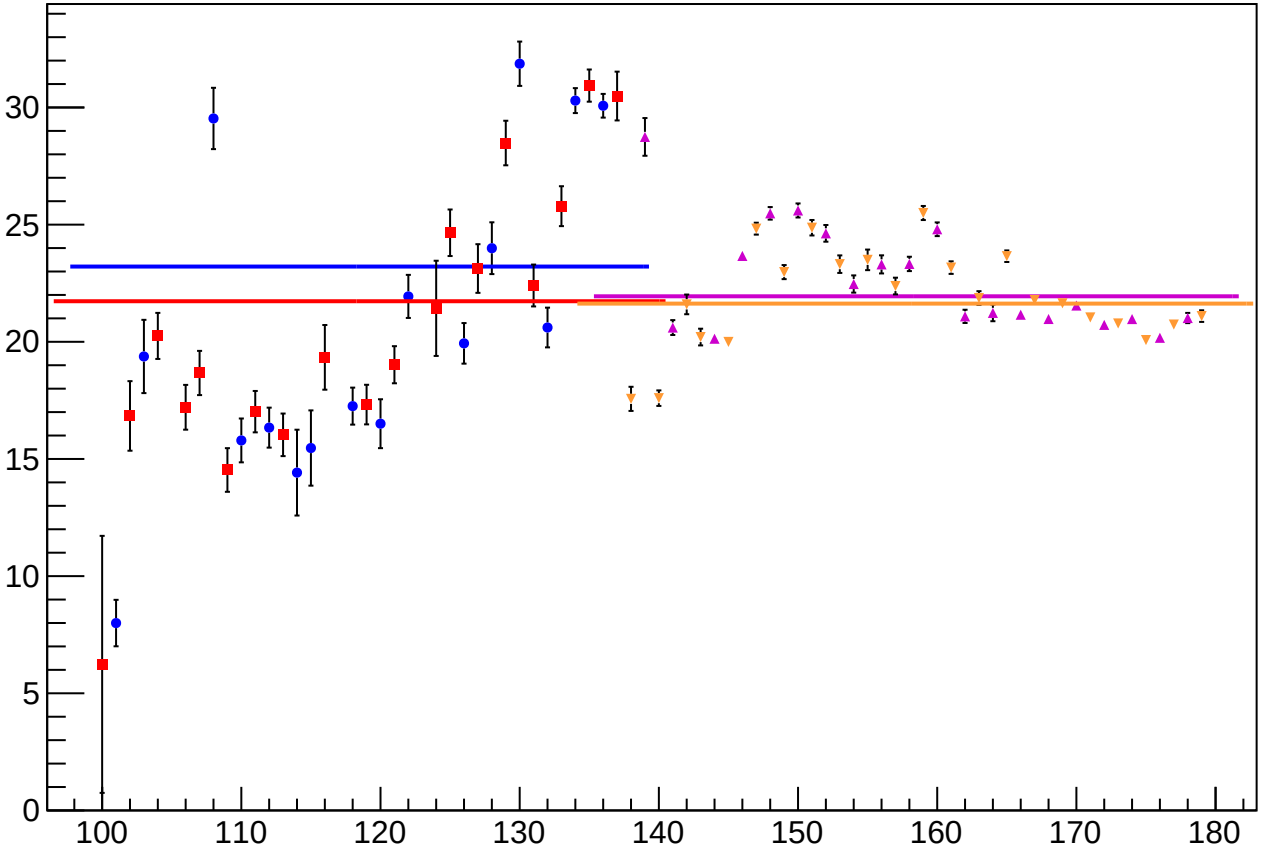
Left In: -1.048+/-0.063 χ^2/NDF:11873.5/19

+ sign -3.038+/-0.061 χ^2/NDF: 19794.7/37

All: -2.584+/-0.043 χ^2/NDF: 36246.5/76

- sign -2.128+/-0.061 χ^2/NDF: 16339.2/38

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug



Right In: 23.211+/-0.218 χ^2/NDF: 1008.2/15

Left Out: 21.630+/-0.053 χ^2/NDF:1008.9/21

Right Out: 21.731+/-0.224 χ^2/NDF: 558.2/18

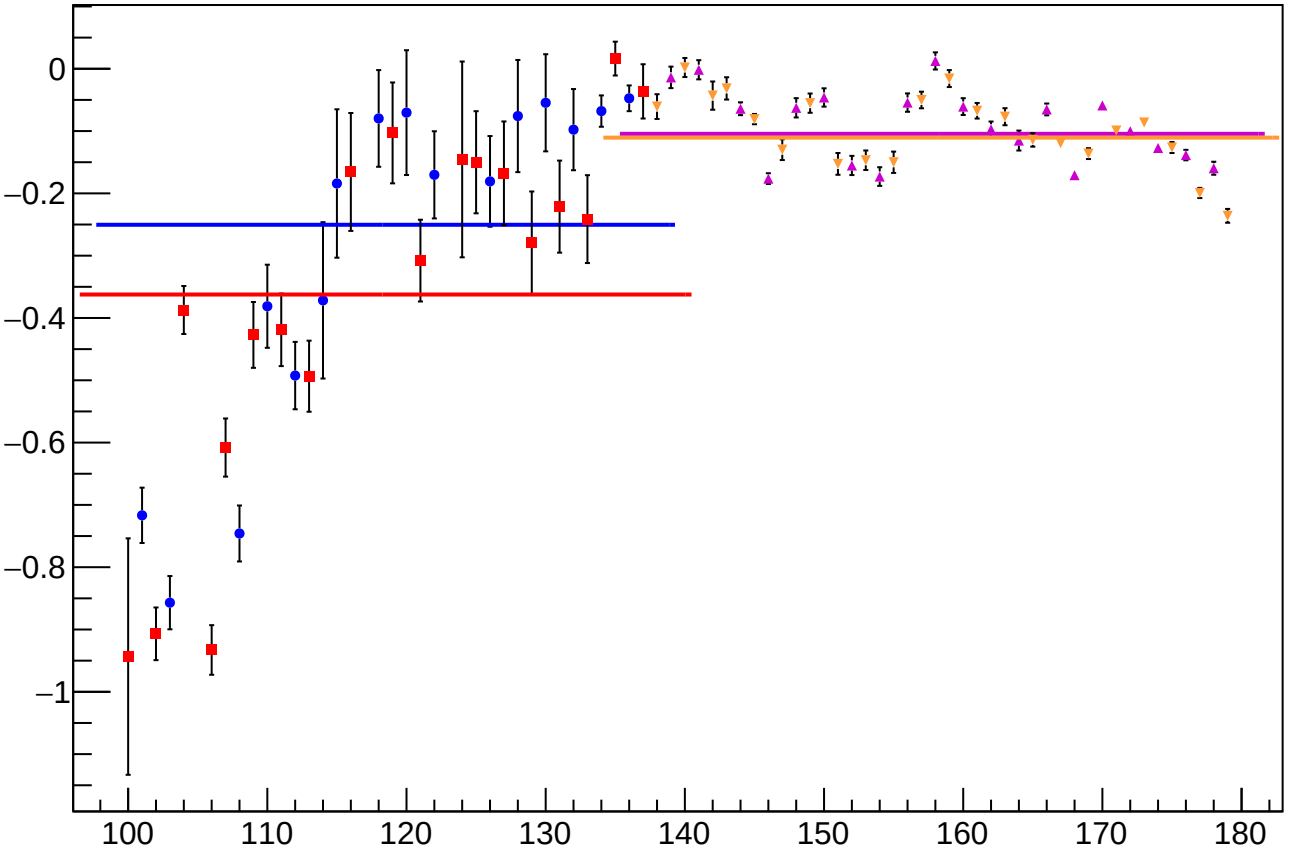
Left In: 21.942+/-0.053 χ^2/NDF:1028.6/19

+ sign 21.719+/-0.052 χ^2/NDF: 2066.7/37

All: 21.825+/-0.037 χ^2/NDF: 3662.7/76

- sign 21.931+/-0.052 χ^2/NDF: 1587.7/38

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug



Right In: -0.250+/-0.012 χ^2/NDF: 633.5/15

Left Out: -0.111+/-0.002 χ^2/NDF:490.7/21

Right Out: -0.362+/-0.012 χ^2/NDF: 704.3/18

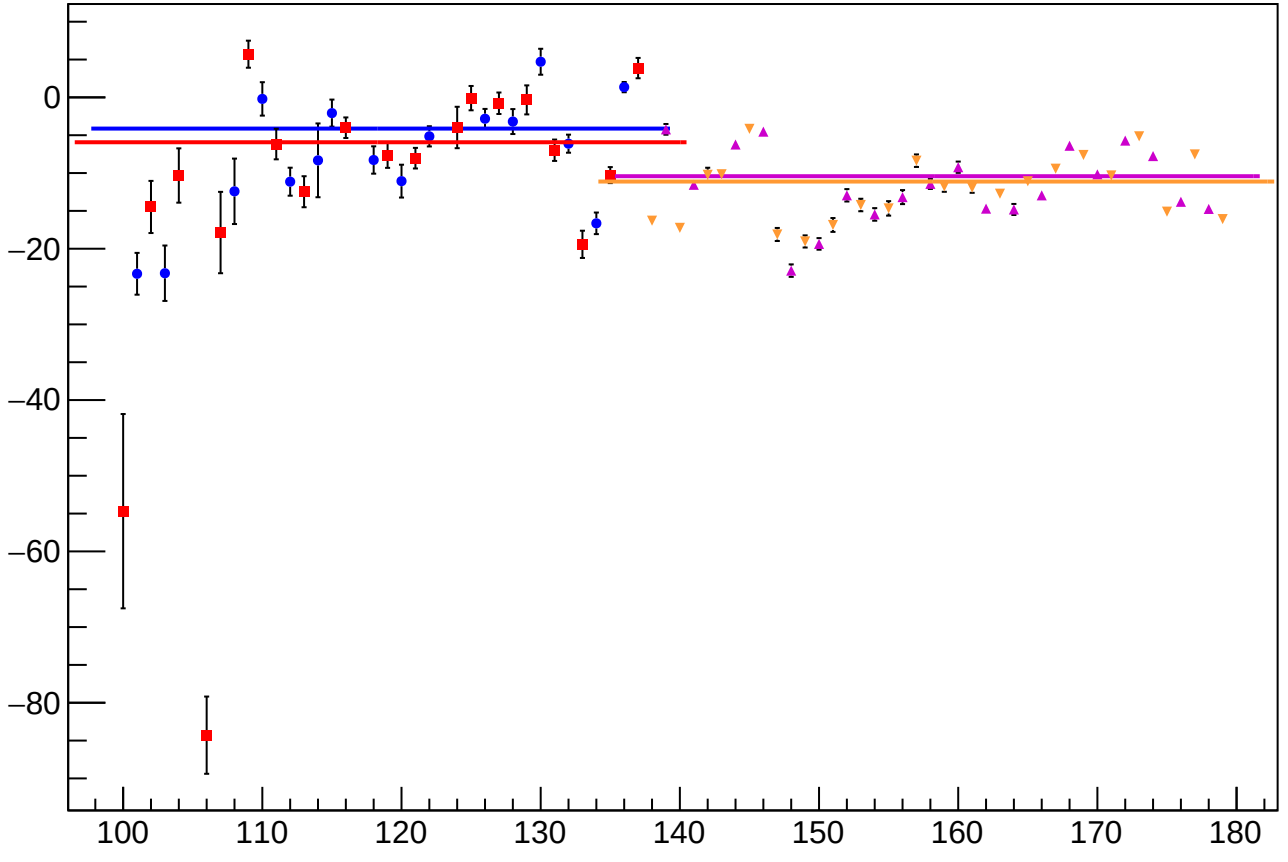
Left In: -0.104+/-0.002 χ^2/NDF:481.2/19

+ sign -0.116+/-0.002 χ^2/NDF: 1262.3/37

All: -0.115+/-0.002 χ^2/NDF: 2868.8/76

- sign -0.114+/-0.002 χ^2/NDF: 1606.0/38

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug



Right In: -4.124+/-0.382 χ^2/NDF: 287.9/15

Left Out: -11.122+/-0.109 χ^2/NDF:1547.9/21

Right Out: -5.930+/-0.408 χ^2/NDF: 482.6/18

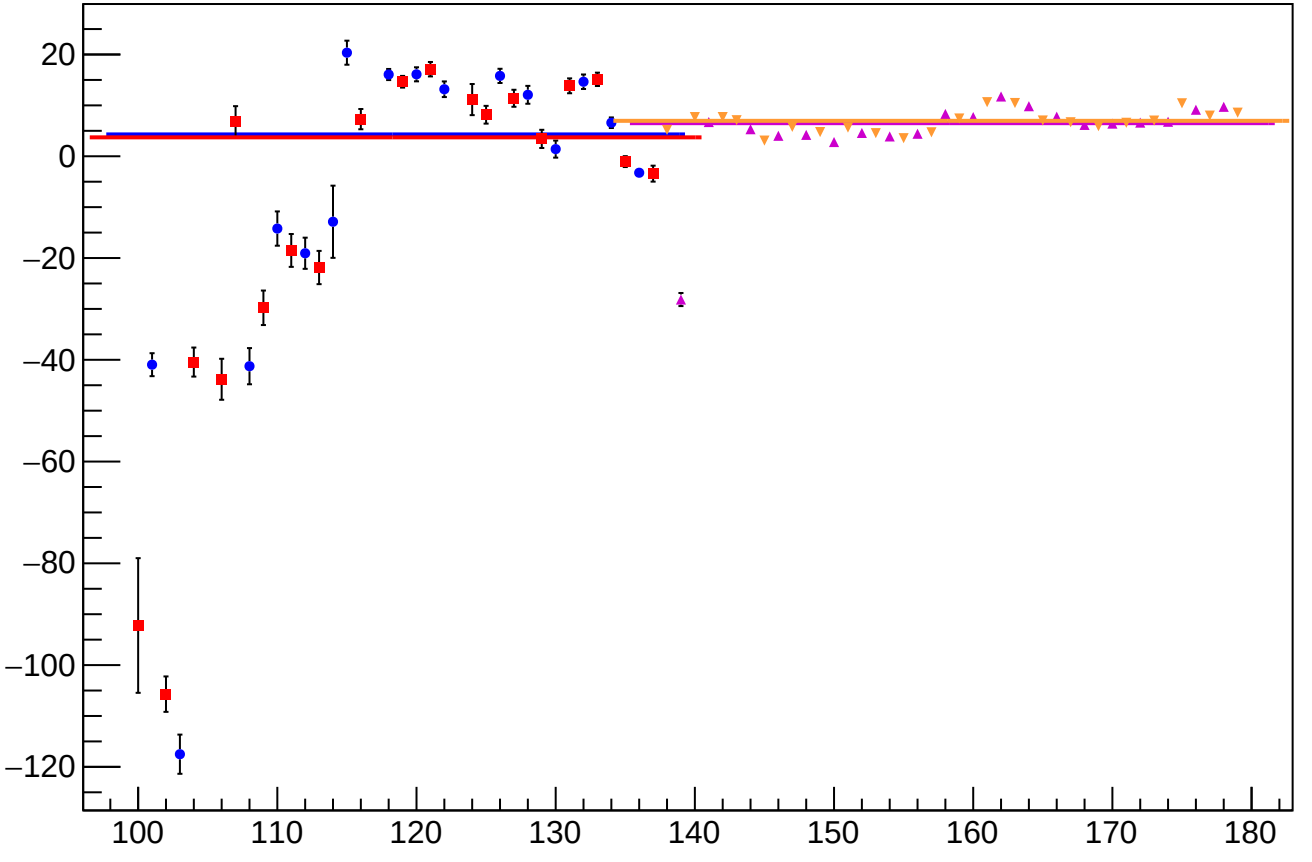
Left In: -10.417+/-0.111 χ^2/NDF:1470.5/19

+ sign -10.591+/-0.105 χ^2/NDF: 2146.4/37

All: -10.354+/-0.075 χ^2/NDF: 4222.6/76

- sign -10.105+/-0.107 χ^2/NDF: 2065.8/38

reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug



Right In: 4.292+/-0.385 χ^2/NDF: 2169.1/15

Left Out: 6.964+/-0.083 χ^2/NDF:587.4/21

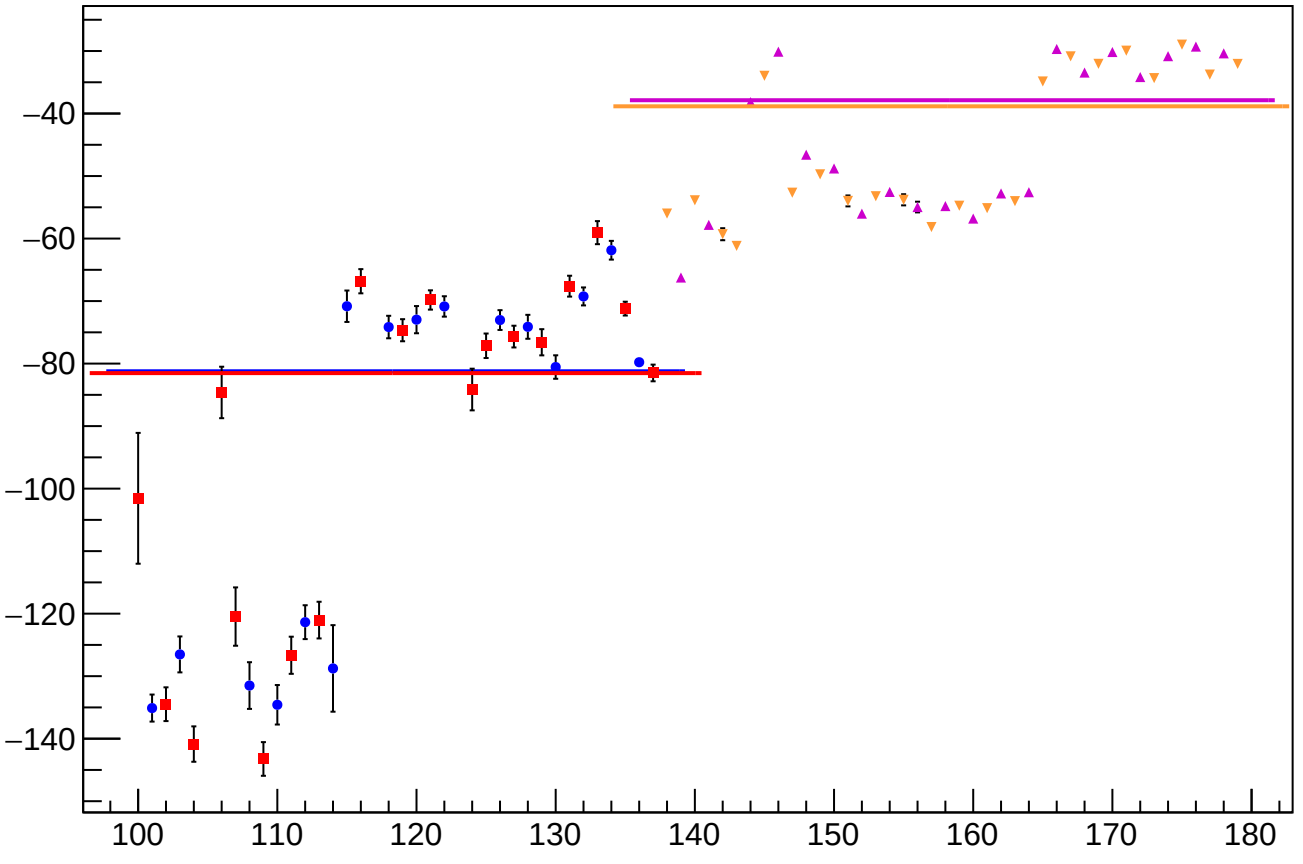
Right Out: 3.717+/-0.423 χ^2/NDF: 2007.2/18

Left In: 6.504+/-0.084 χ^2/NDF:1361.3/19

+ sign 6.844+/-0.081 χ^2/NDF: 2802.5/37

All: 6.624+/-0.058 χ^2/NDF: 6227.6/76

- sign 6.397+/-0.083 χ^2/NDF: 3410.4/38



Right In: -81.231+/-0.417 χ^2/NDF: 1971.1/15

Left Out: -38.845+/-0.109 χ^2/NDF:9648.5/21

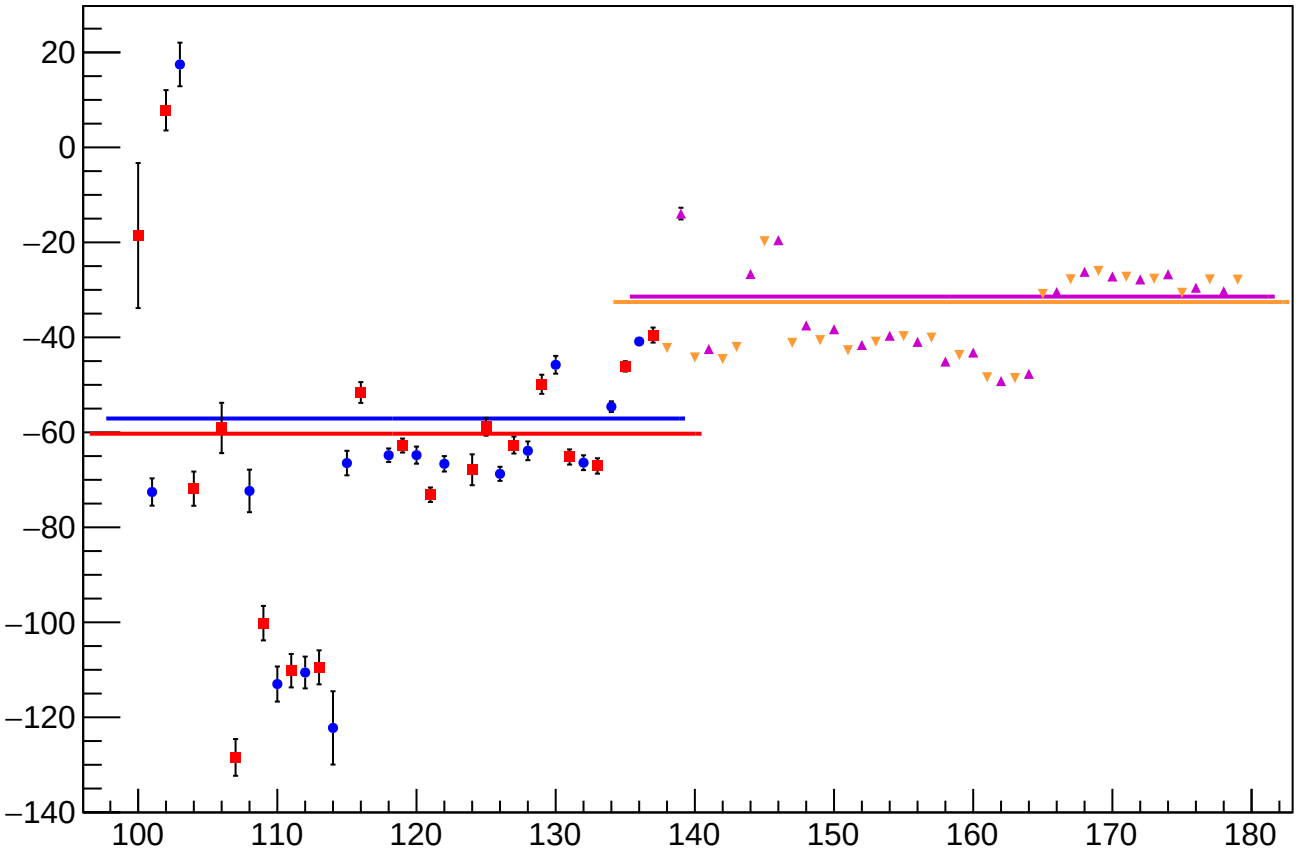
Right Out: -81.523+/-0.462 χ^2/NDF: 2293.2/18

Left In: -37.871+/-0.111 χ^2/NDF:9431.7/19

+ sign -41.558+/-0.105 χ^2/NDF: 21297.6/37

All: -40.927+/-0.075 χ^2/NDF: 41548.7/76

- sign -40.264+/-0.108 χ^2/NDF: 20177.6/38



Right In: -57.089+/-0.426 χ^2/NDF: 1526.8/15

Left Out: -32.563+/-0.093 χ^2/NDF:7739.5/21

Right Out: -60.287+/-0.470 χ^2/NDF: 1587.9/18

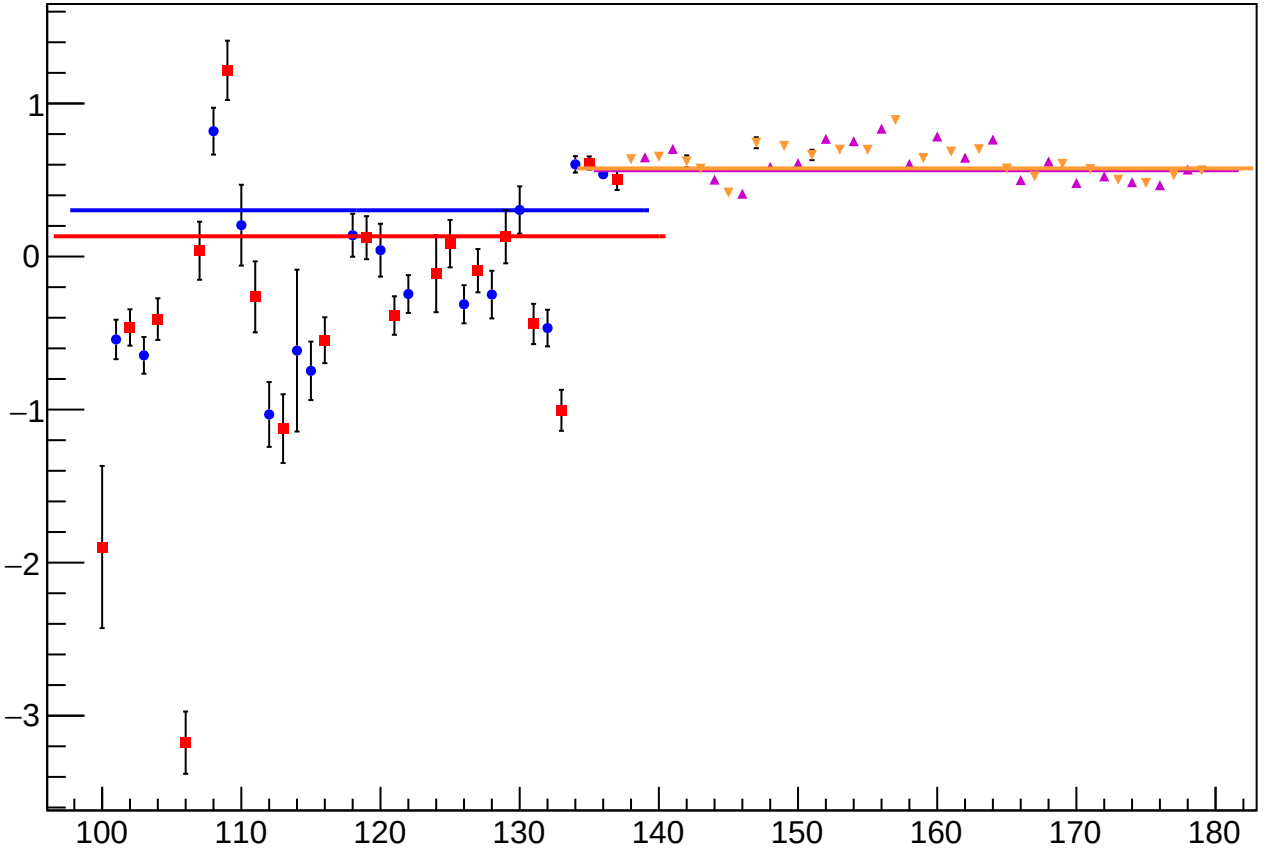
Left In: -31.416+/-0.095 χ^2/NDF:7298.0/19

+ sign -33.682+/-0.091 χ^2/NDF: 12433.7/37

All: -33.123+/-0.065 χ^2/NDF: 25022.6/76

- sign -32.541+/-0.093 χ^2/NDF: 12511.8/38

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug



Right In: 0.302+/-0.023 χ^2/NDF: 374.8/15

Left Out: 0.576+/-0.004 χ^2/NDF:535.1/21

Right Out: 0.132+/-0.027 χ^2/NDF: 672.5/18

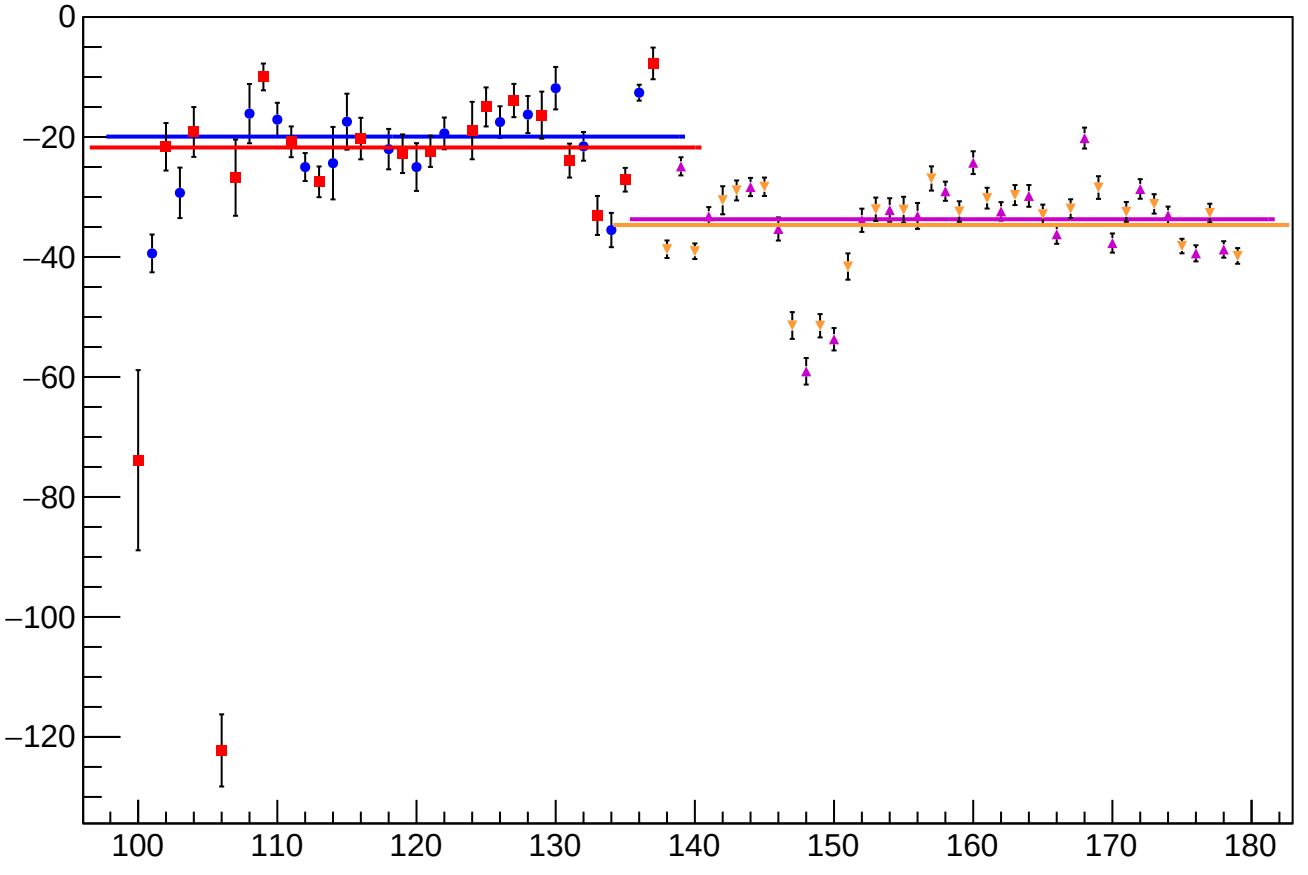
Left In: 0.564+/-0.004 χ^2/NDF:649.6/19

+ sign 0.567+/-0.004 χ^2/NDF: 1047.6/37

All: 0.560+/-0.003 χ^2/NDF: 2634.1/76

- sign 0.553+/-0.004 χ^2/NDF: 1580.8/38

reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug



Right In: -19.935+/-0.695 χ^2/NDF: 120.6/15

Left Out: -34.662+/-0.354 χ^2/NDF:274.9/21

Right Out: -21.746+/-0.714 χ^2/NDF: 388.3/18

Left In: -33.709+/-0.371 χ^2/NDF:442.3/19

+ sign -31.622+/-0.316 χ^2/NDF: 752.0/37

All: -31.401+/-0.228 χ^2/NDF: 1804.8/76

- sign -31.160+/-0.329 χ^2/NDF: 1051.8/38

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug

Right In: -52.296+/-0.708 χ^2/NDF: 1778.2/15

Left Out: -35.240+/-0.264 χ^2/NDF:515.9/21

Right Out: -52.737+/-0.748 χ^2/NDF: 1662.5/18

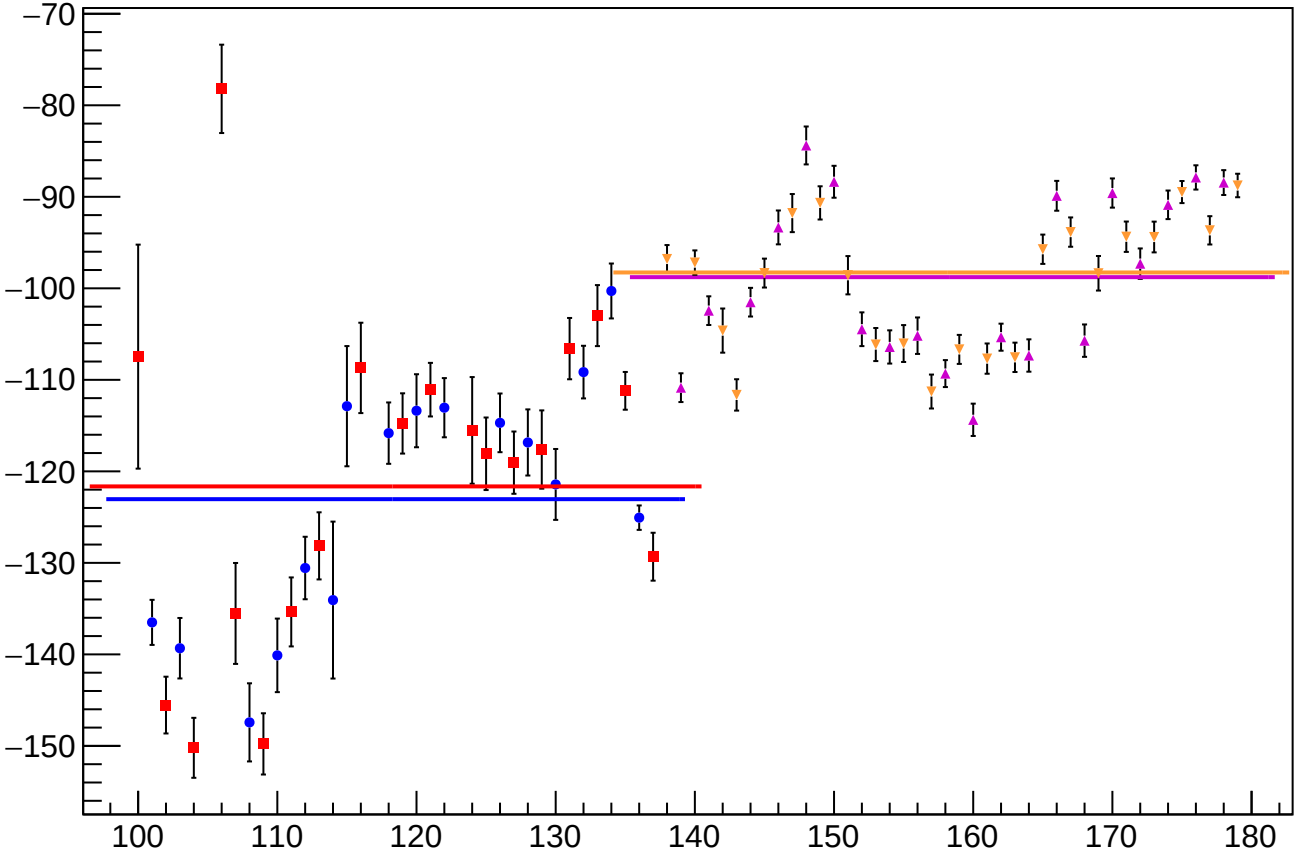
Left In: -36.217+/-0.279 χ^2/NDF:1499.1/19

+ sign -37.316+/-0.247 χ^2/NDF: 2803.7/37

All: -37.748+/-0.179 χ^2/NDF: 6399.9/76

- sign -38.229+/-0.261 χ^2/NDF: 3589.7/38

reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug



Right In: -123.039+/-0.750 χ^2/NDF: 226.8/15

Left Out: -98.267+/-0.350 χ^2/NDF:411.5/21

Right Out: -121.646+/-0.801 χ^2/NDF: 424.5/18

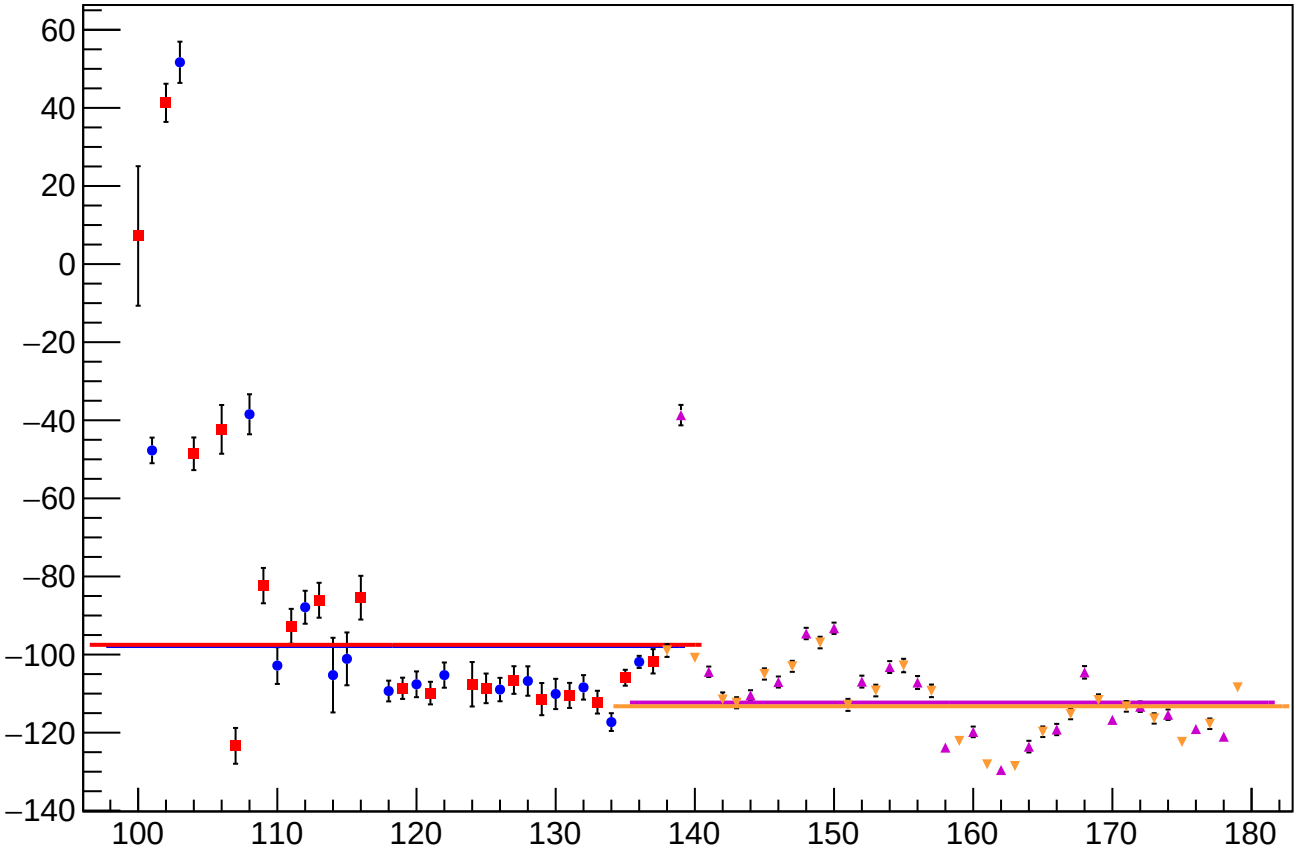
Left In: -98.780+/-0.366 χ^2/NDF:600.0/19

+ sign -102.701+/-0.317 χ^2/NDF: 1534.0/37

All: -102.716+/-0.230 χ^2/NDF: 3232.1/76

- sign -102.733+/-0.333 χ^2/NDF: 1698.2/38

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug



Right In: -97.814+/-0.793 χ^2/NDF: 1330.8/15

Left Out: -113.246+/-0.298 χ^2/NDF:888.0/21

Right Out: -97.504+/-0.843 χ^2/NDF: 1236.4/18

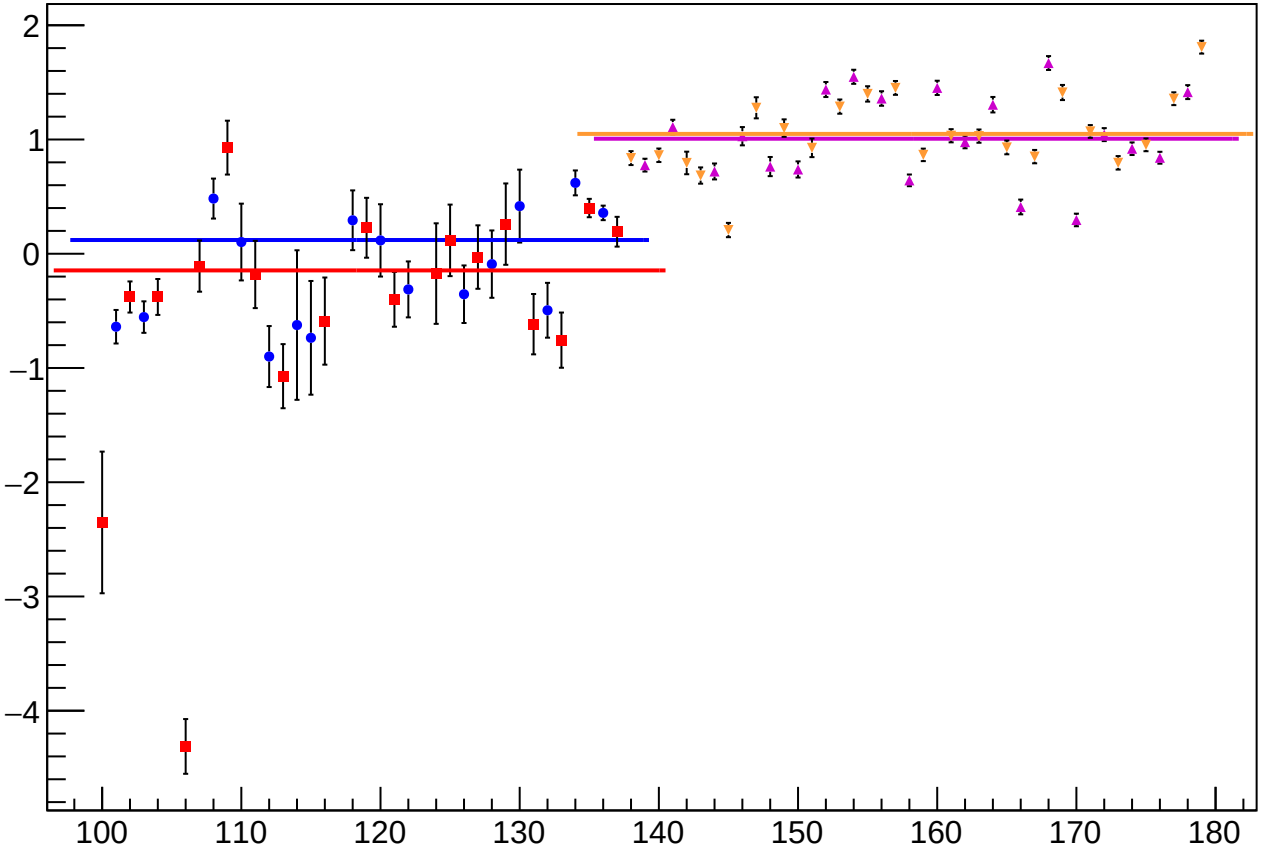
Left In: -112.297+/-0.313 χ^2/NDF:1747.3/19

+ sign -111.338+/-0.279 χ^2/NDF: 2550.7/37

All: -110.943+/-0.202 χ^2/NDF: 5809.5/76

- sign -110.506+/-0.293 χ^2/NDF: 3254.6/38

reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug



Right In: 0.120+/-0.041 χ^2/NDF: 123.9/15

Left Out: 1.049+/-0.013 χ^2/NDF:618.2/21

Right Out: -0.146+/-0.045 χ^2/NDF: 421.0/18

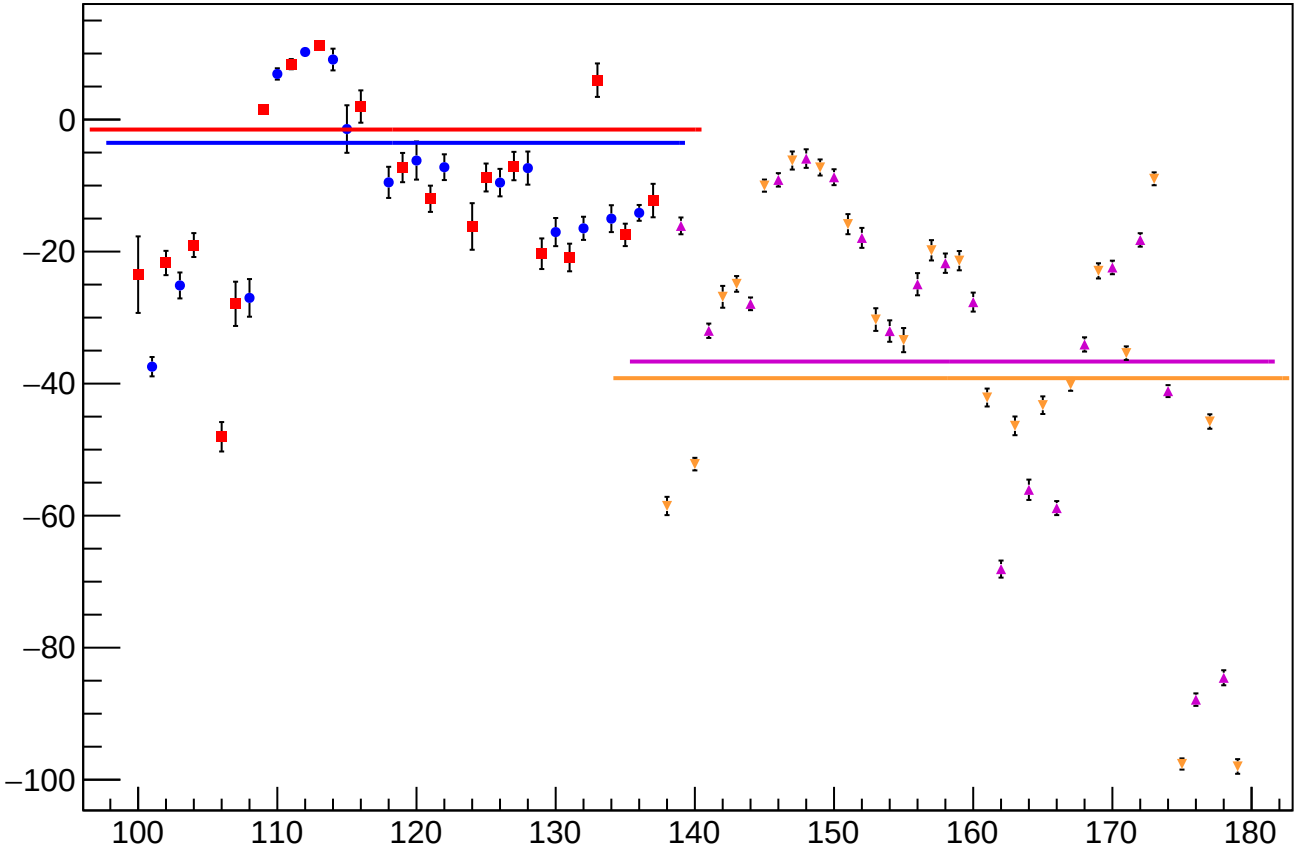
Left In: 1.007+/-0.014 χ^2/NDF:758.7/19

\+ sign 0.960+/-0.013 χ^2/NDF: 1201.3/37

All: 0.935+/-0.009 χ^2/NDF: 2992.3/76

\- sign 0.908+/-0.013 χ^2/NDF: 1782.8/38

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug



Right In: -3.527+/-0.377 χ^2/NDF: 1529.1/15

Left Out: -39.175+/-0.254 χ^2/NDF:12212.9/21

Right Out: -1.513+/-0.338 χ^2/NDF: 1524.7/18

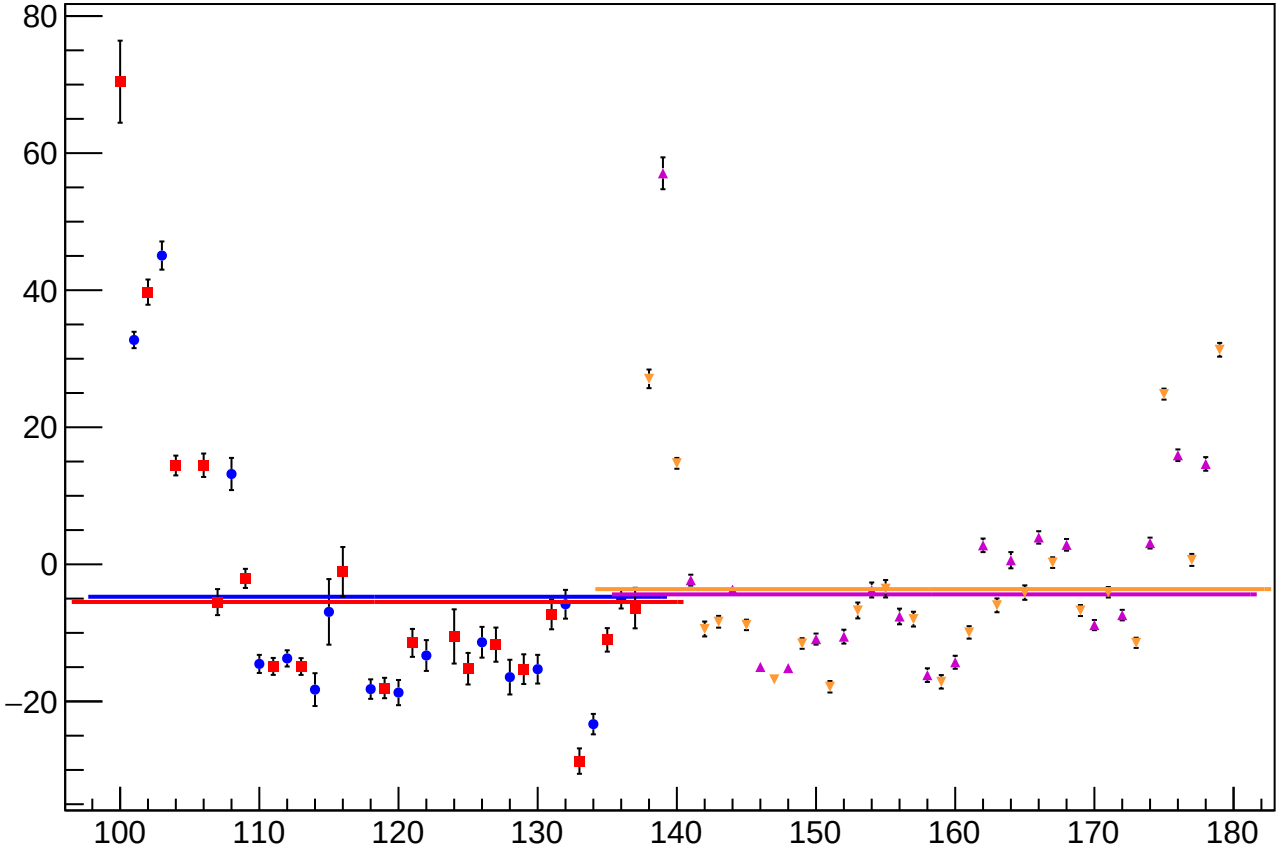
Left In: -36.657+/-0.262 χ^2/NDF:8890.4/19

+ sign -28.021+/-0.211 χ^2/NDF: 19893.1/37

All: -25.722+/-0.148 χ^2/NDF: 37288.6/76

- sign -23.502+/-0.207 χ^2/NDF: 17161.5/38

reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug



Right In: -4.729+/-0.431 χ^2/NDF: 2148.0/15

Left Out: -3.613+/-0.187 χ^2/NDF:4889.4/21

Right Out: -5.491+/-0.422 χ^2/NDF: 1508.6/18

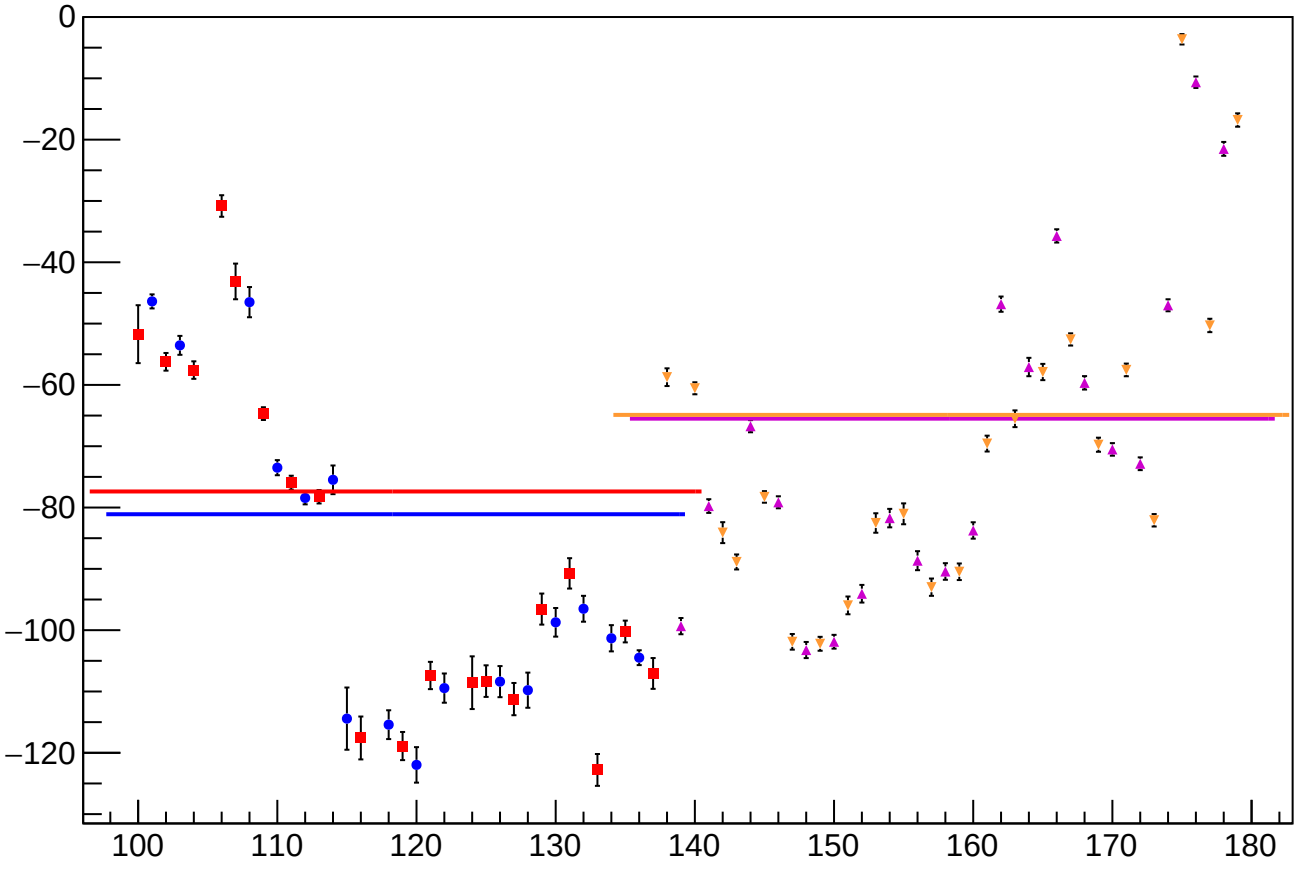
Left In: -4.383+/-0.194 χ^2/NDF:2926.7/19

+ sign -3.790+/-0.172 χ^2/NDF: 7043.0/37

All: -4.173+/-0.123 χ^2/NDF: 11494.2/76

- sign -4.576+/-0.176 χ^2/NDF: 4441.0/38

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug



Right In: -81.091+/-0.438 χ^2/NDF: 2870.3/15

Left Out: -64.889+/-0.252 χ^2/NDF:11962.0/21

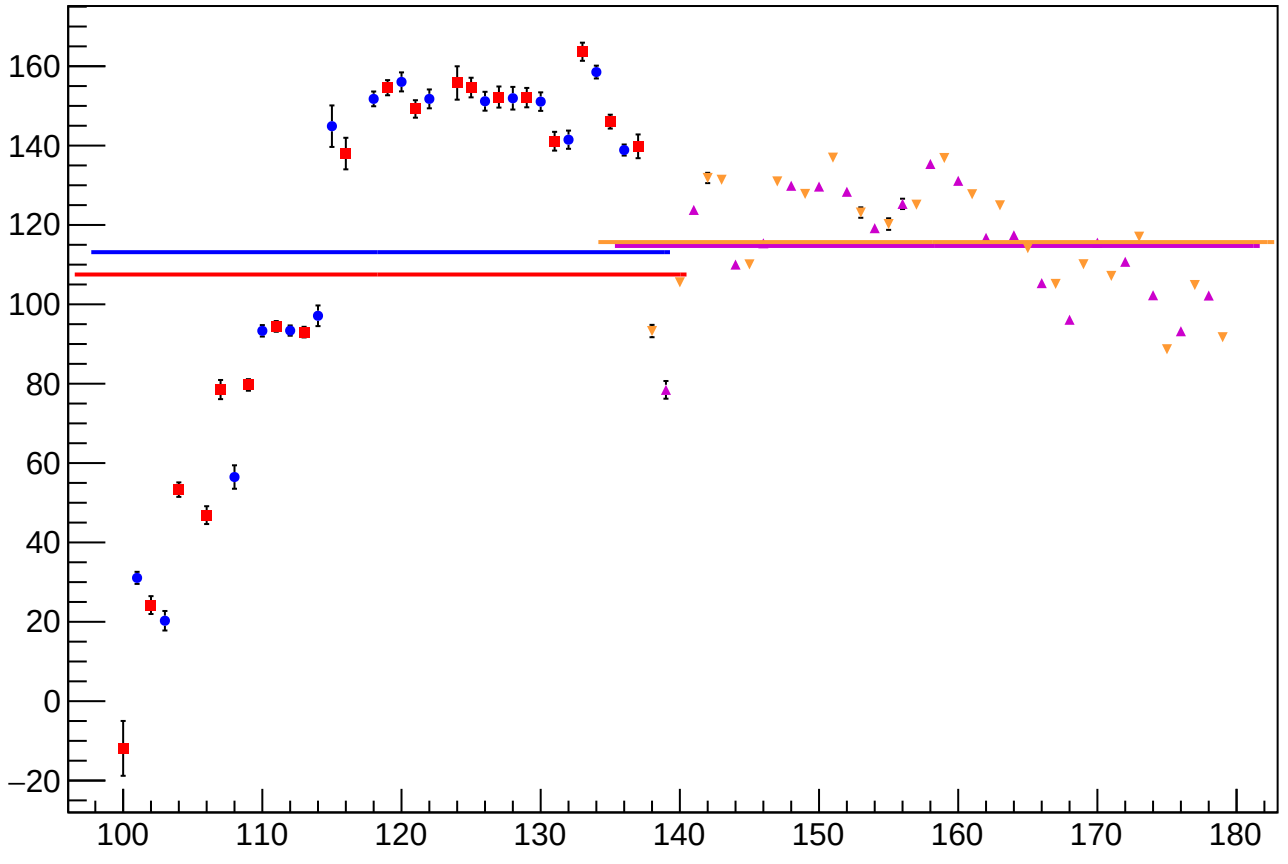
Right Out: -77.379+/-0.417 χ^2/NDF: 3129.7/18

Left In: -65.503+/-0.259 χ^2/NDF:10570.6/19

+ sign -68.916+/-0.219 χ^2/NDF: 15858.8/37

All: -68.868+/-0.155 χ^2/NDF: 30144.3/76

- sign -68.820+/-0.220 χ^2/NDF: 14285.3/38



Right In: 113.143+/-0.489 χ^2/NDF: 8204.1/15

Left Out: 115.686+/-0.213 χ^2/NDF:4324.4/21

Right Out: 107.515+/-0.479 χ^2/NDF: 7544.0/18

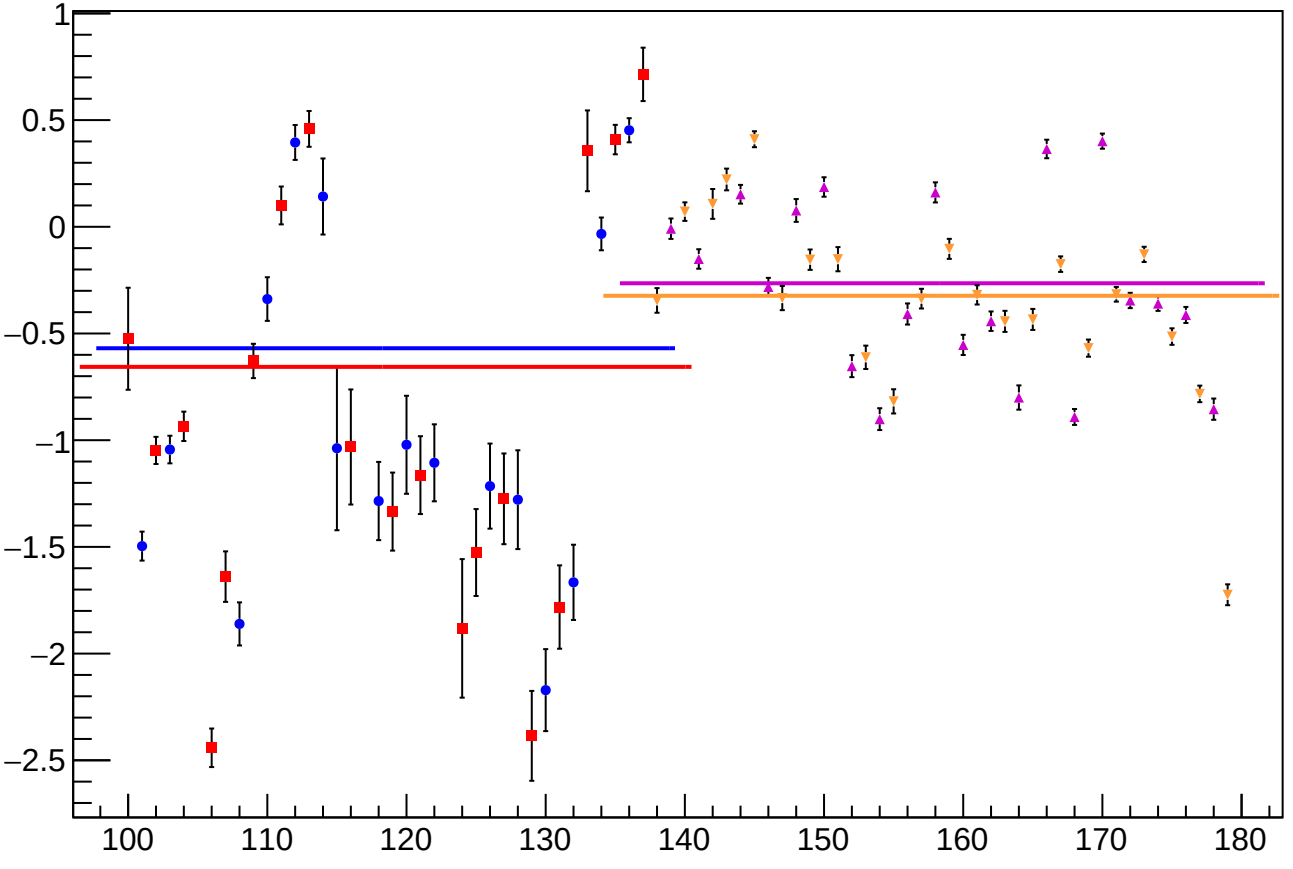
Left In: 114.708+/-0.220 χ^2/NDF:3163.1/19

+ sign 115.281+/-0.195 χ^2/NDF: 12551.2/37

All: 114.392+/-0.140 χ^2/NDF: 23487.0/76

- sign 113.461+/-0.200 χ^2/NDF: 10893.2/38

reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug



Right In: -0.569+/-0.026 χ^2/NDF: 1097.4/15

Left Out: -0.323+/-0.010 χ^2/NDF:1845.8/21

Right Out: -0.656+/-0.025 χ^2/NDF: 1315.2/18

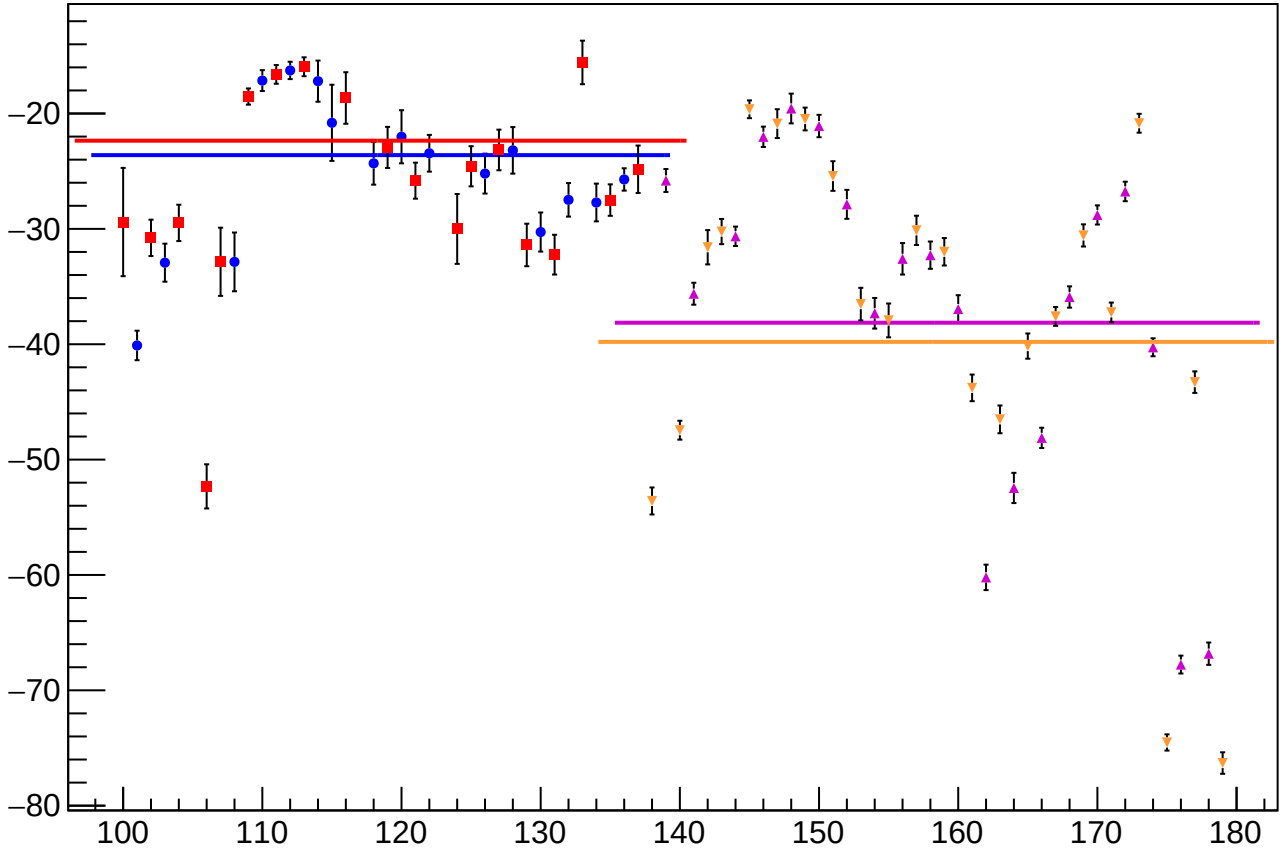
Left In: -0.265+/-0.010 χ^2/NDF:1719.5/19

+ sign -0.353+/-0.009 χ^2/NDF: 3023.1/37

All: -0.335+/-0.006 χ^2/NDF: 6276.1/76

- sign -0.316+/-0.009 χ^2/NDF: 3244.5/38

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug



Right In: -23.607+/-0.348 χ^2/NDF: 406.4/15

Left Out: -39.794+/-0.214 χ^2/NDF:6539.0/21

Right Out: -22.354+/-0.322 χ^2/NDF: 551.7/18

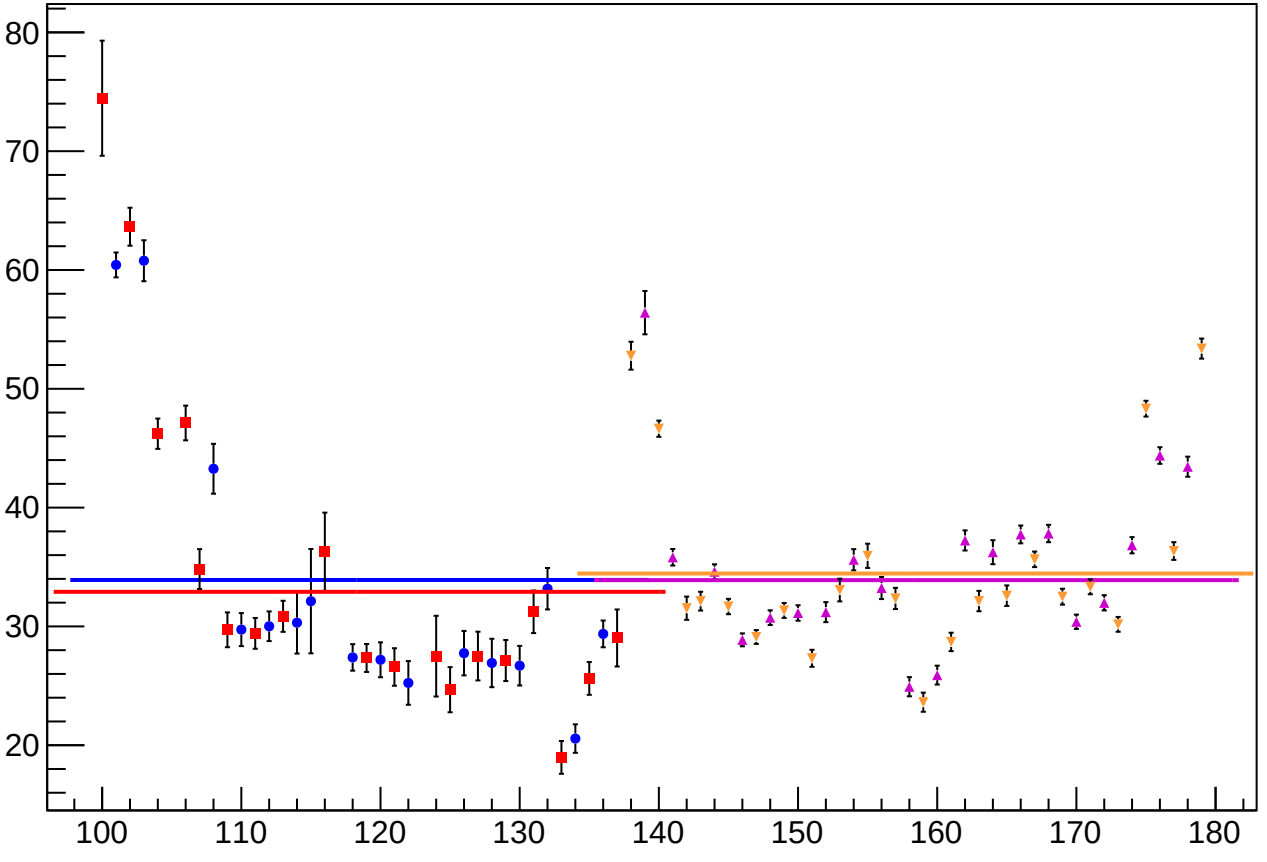
Left In: -38.134+/-0.220 χ^2/NDF:4511.5/19

+ sign -35.357+/-0.182 χ^2/NDF: 8513.2/37

All: -34.232+/-0.129 χ^2/NDF: 15292.8/76

- sign -33.119+/-0.181 χ^2/NDF: 6703.9/38

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug



Right In: 33.909+/-0.375 χ^2/NDF: 1184.4/15

Left Out: 34.451+/-0.159 χ^2/NDF:2071.7/21

Right Out: 32.911+/-0.373 χ^2/NDF: 875.0/18

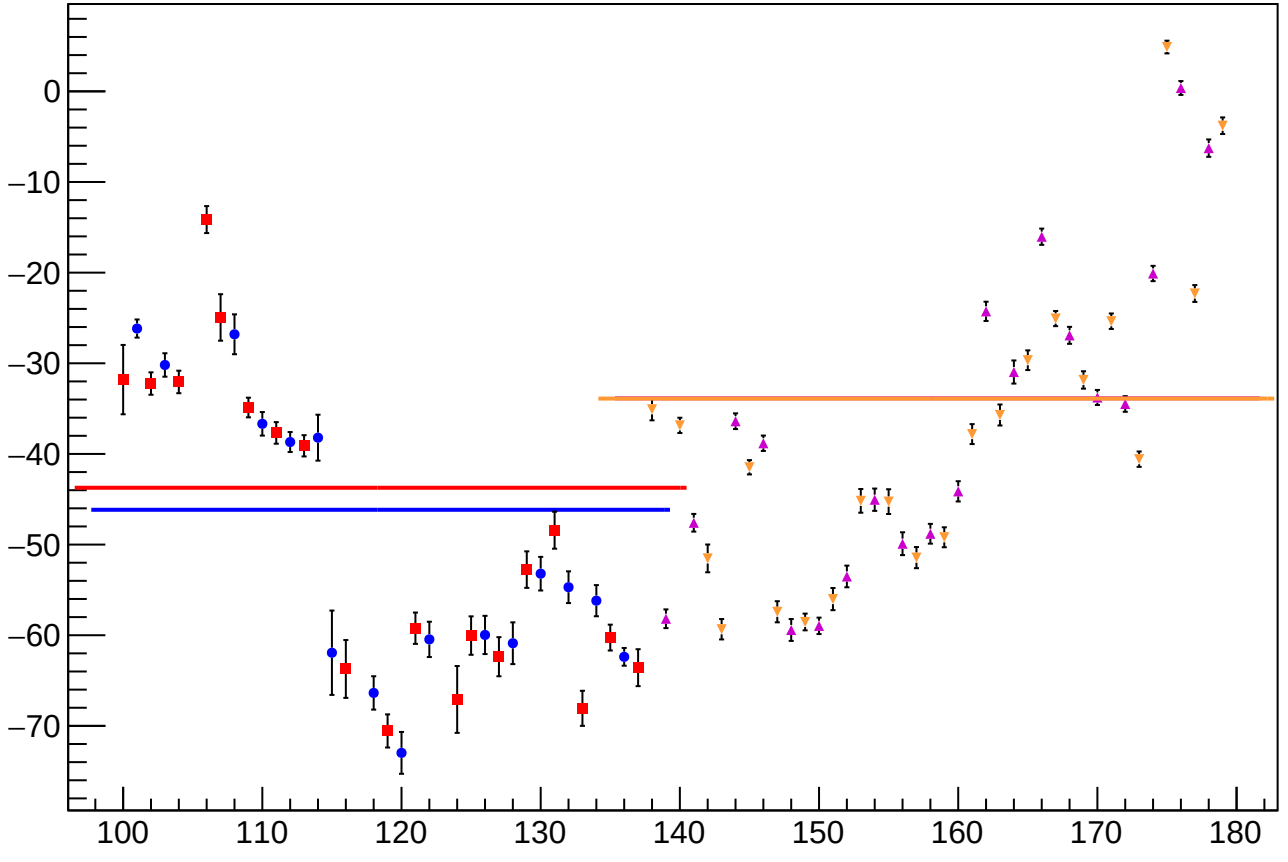
Left In: 33.893+/-0.164 χ^2/NDF:1020.2/19

+ sign 34.369+/-0.146 χ^2/NDF: 3257.9/37

All: 34.060+/-0.105 χ^2/NDF: 5168.0/76

- sign 33.733+/-0.150 χ^2/NDF: 1900.9/38

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug



Right In: -46.160+/-0.390 χ^2/NDF: 1489.6/15

Left Out: -33.893+/-0.212 χ^2/NDF:7352.1/21

Right Out: -43.730+/-0.378 χ^2/NDF: 1663.4/18

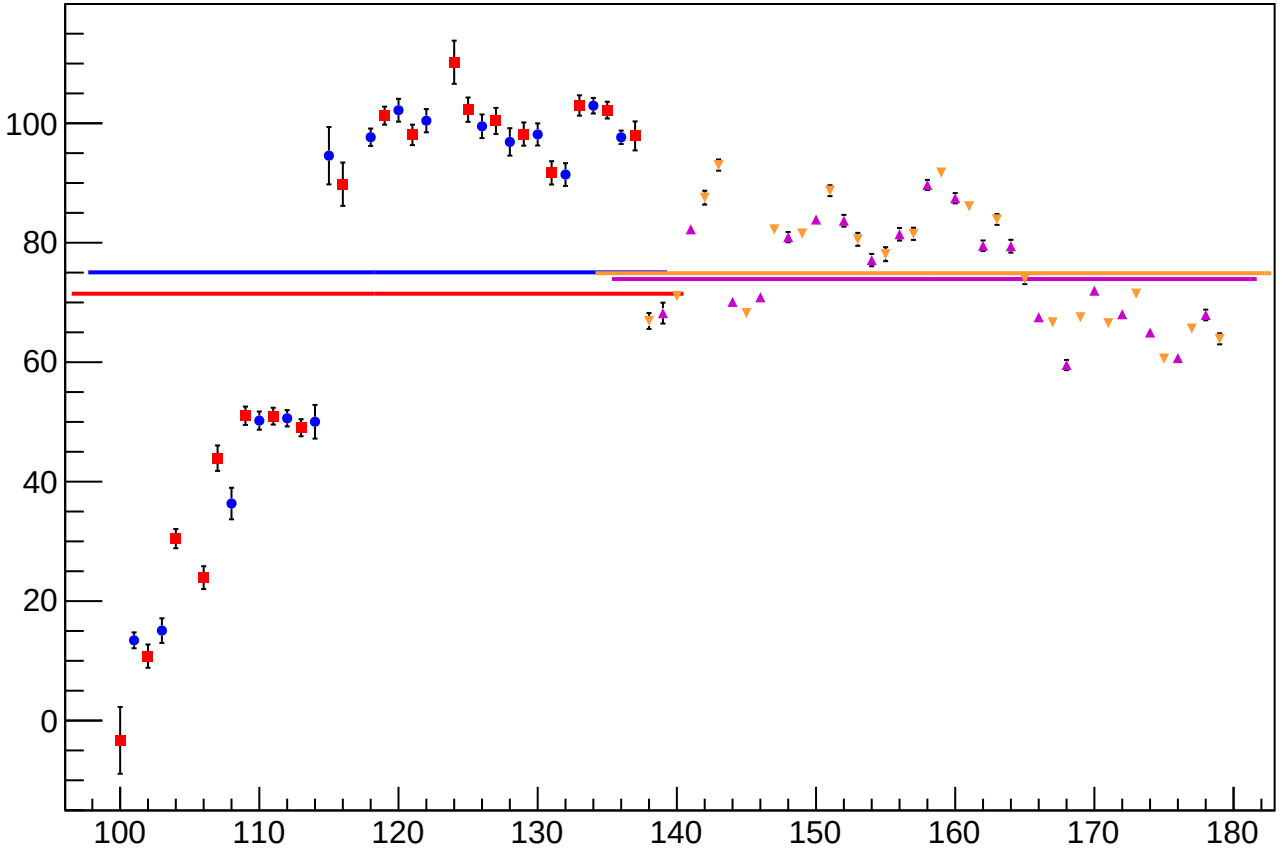
Left In: -33.865+/-0.218 χ^2/NDF:6432.3/19

+ sign -36.694+/-0.186 χ^2/NDF: 9605.9/37

All: -36.508+/-0.133 χ^2/NDF: 18214.5/76

- sign -36.317+/-0.189 χ^2/NDF: 8606.6/38

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug



Right In: 75.042+/-0.427 χ^2/NDF: 5828.3/15

Left Out: 74.897+/-0.180 χ^2/NDF:2879.5/21

Right Out: 71.468+/-0.426 χ^2/NDF: 5628.2/18

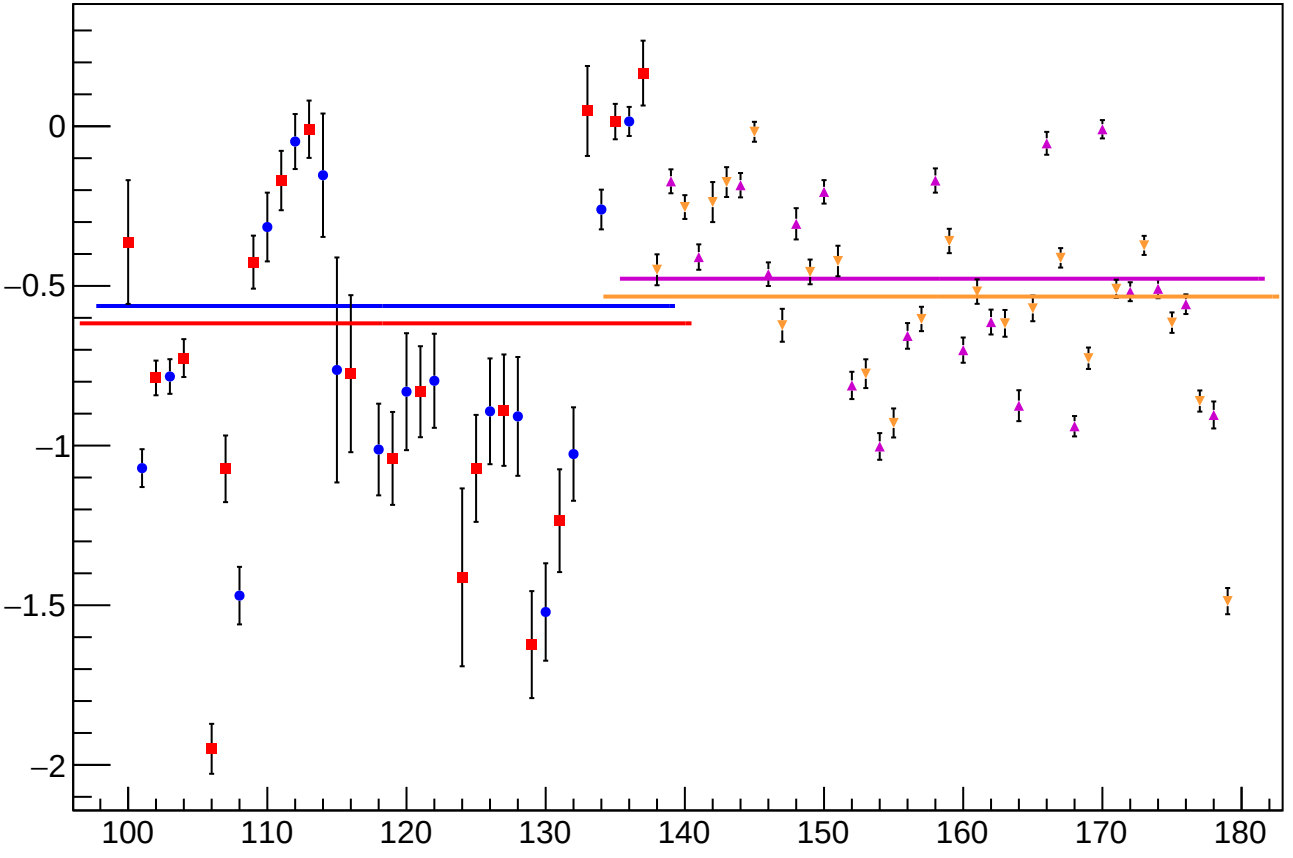
Left In: 73.922+/-0.185 χ^2/NDF:2161.8/19

+ sign 74.919+/-0.166 χ^2/NDF: 8707.8/37

All: 74.242+/-0.119 χ^2/NDF: 16559.9/76

- sign 73.531+/-0.170 χ^2/NDF: 7817.9/38

reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug



Right In: -0.563+/-0.022 χ^2/NDF: 493.0/15

Left Out: -0.533+/-0.008 χ^2/NDF:1282.2/21

Right Out: -0.617+/-0.022 χ^2/NDF: 690.0/18

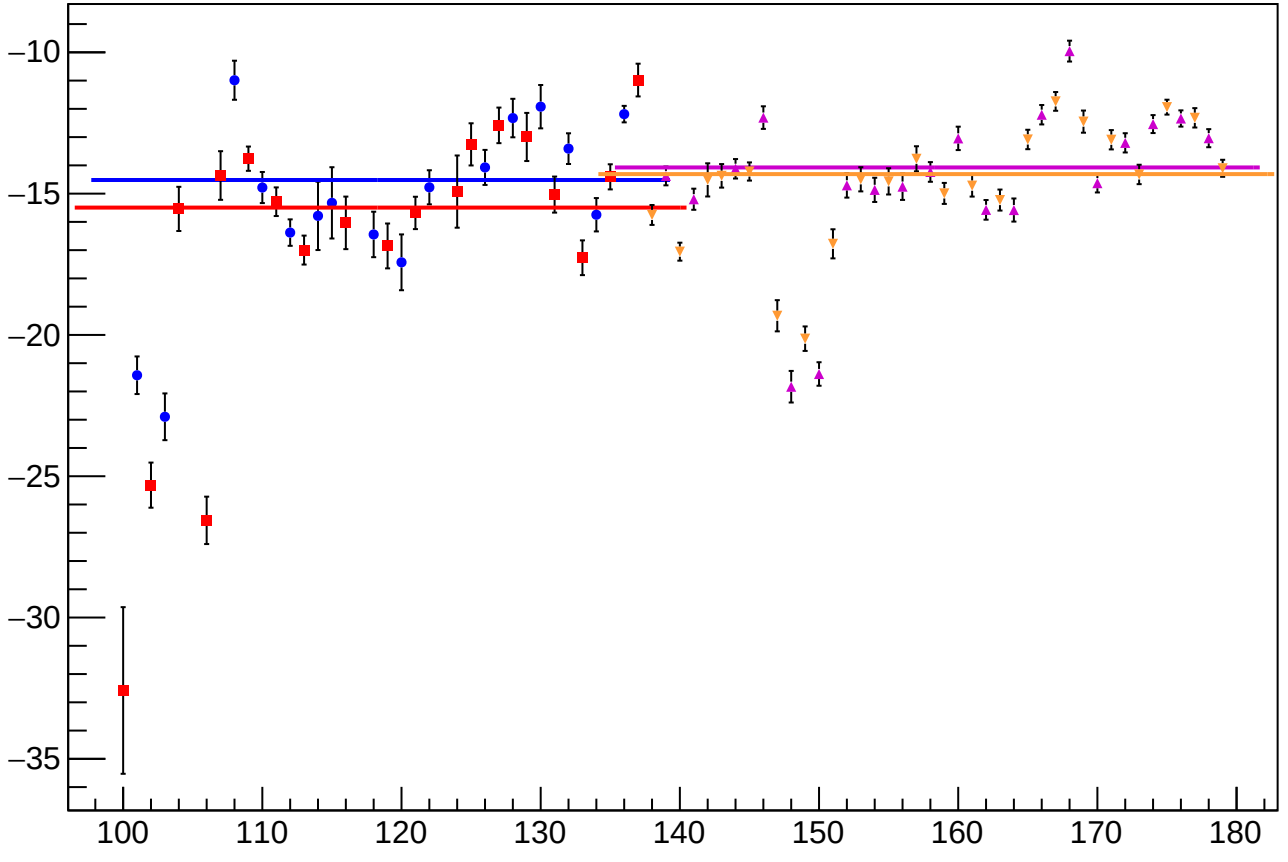
Left In: -0.477+/-0.008 χ^2/NDF:1339.5/19

+ sign -0.537+/-0.008 χ^2/NDF: 1776.8/37

All: -0.516+/-0.005 χ^2/NDF: 3856.8/76

- sign -0.494+/-0.008 χ^2/NDF: 2064.4/38

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug



Right In: -14.518+/-0.149 χ^2/NDF: 363.3/15

Left Out: -14.309+/-0.079 χ^2/NDF:613.0/21

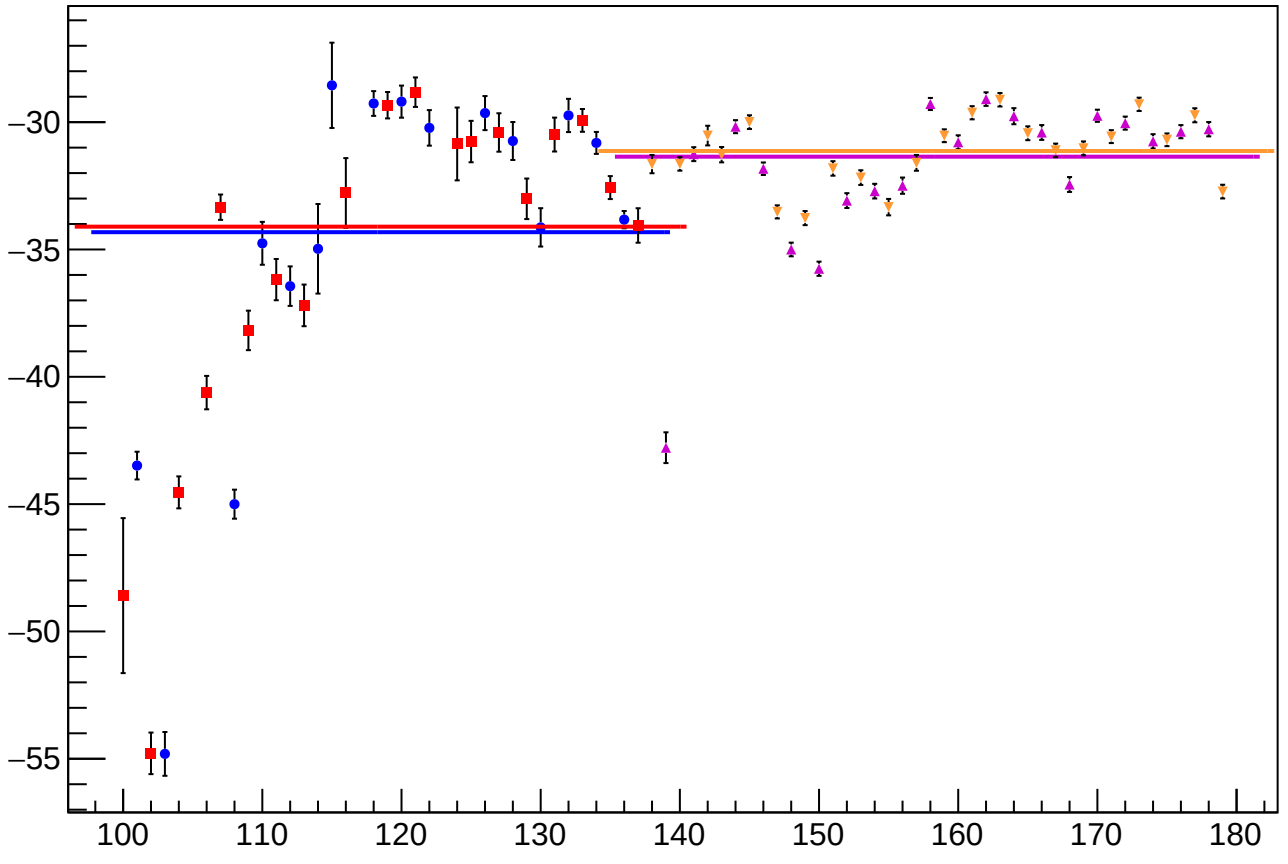
Right Out: -15.494+/-0.150 χ^2/NDF: 503.8/18

Left In: -14.073+/-0.082 χ^2/NDF:810.4/19

+ sign -14.355+/-0.070 χ^2/NDF: 977.9/37

All: -14.377+/-0.050 χ^2/NDF: 2361.5/76

- sign -14.400+/-0.072 χ^2/NDF: 1383.4/38



Right In: -34.321+/-0.153 χ^2/NDF: 1620.5/15

Left Out: -31.132+/-0.059 χ^2/NDF:492.0/21

Right Out: -34.104+/-0.154 χ^2/NDF: 1434.8/18

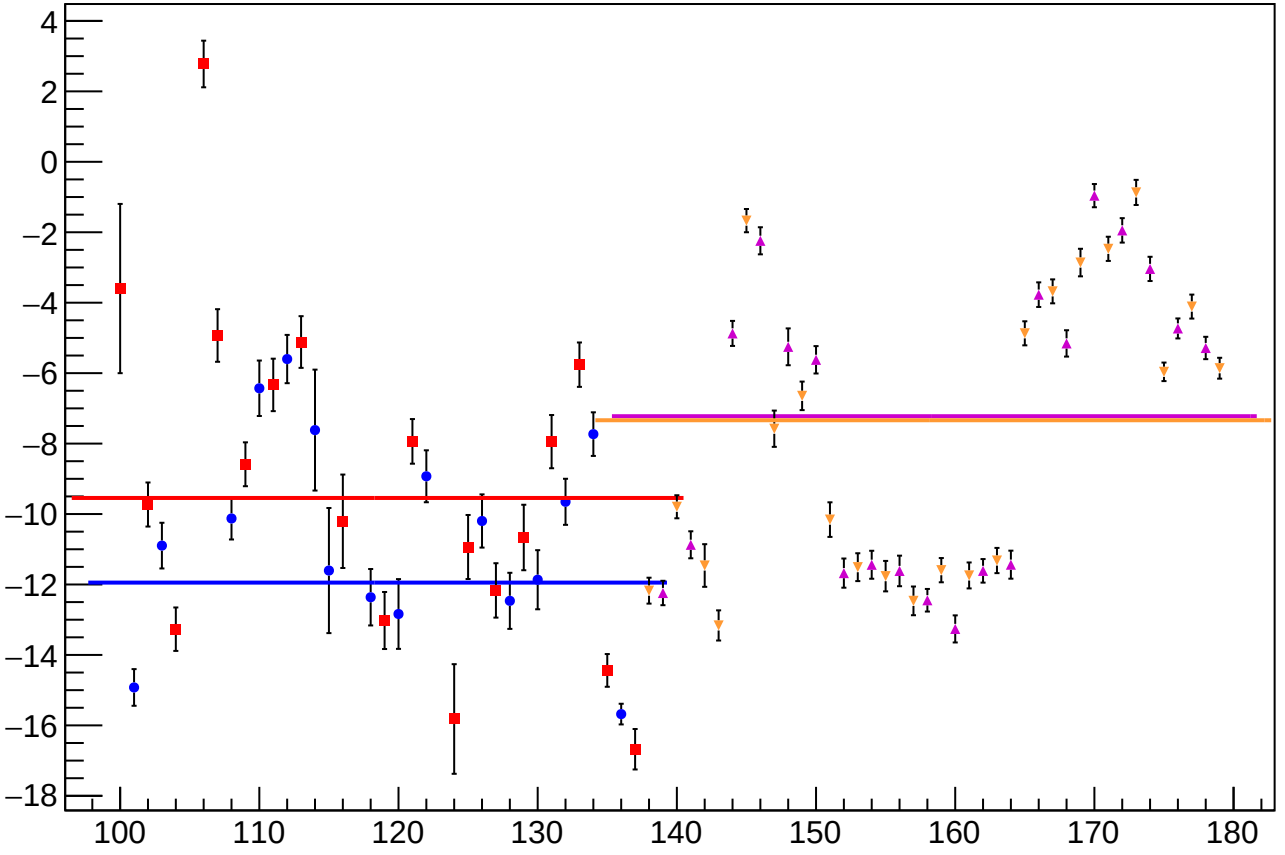
Left In: -31.356+/-0.062 χ^2/NDF:1191.1/19

+ sign -31.547+/-0.055 χ^2/NDF: 2489.0/37

All: -31.639+/-0.040 χ^2/NDF: 5394.2/76

- sign -31.739+/-0.058 χ^2/NDF: 2899.4/38

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug



Right In: -11.946+/-0.160 χ^2/NDF: 430.0/15

Left Out: -7.337+/-0.078 χ^2/NDF:2556.5/21

Right Out: -9.544+/-0.165 χ^2/NDF: 847.1/18

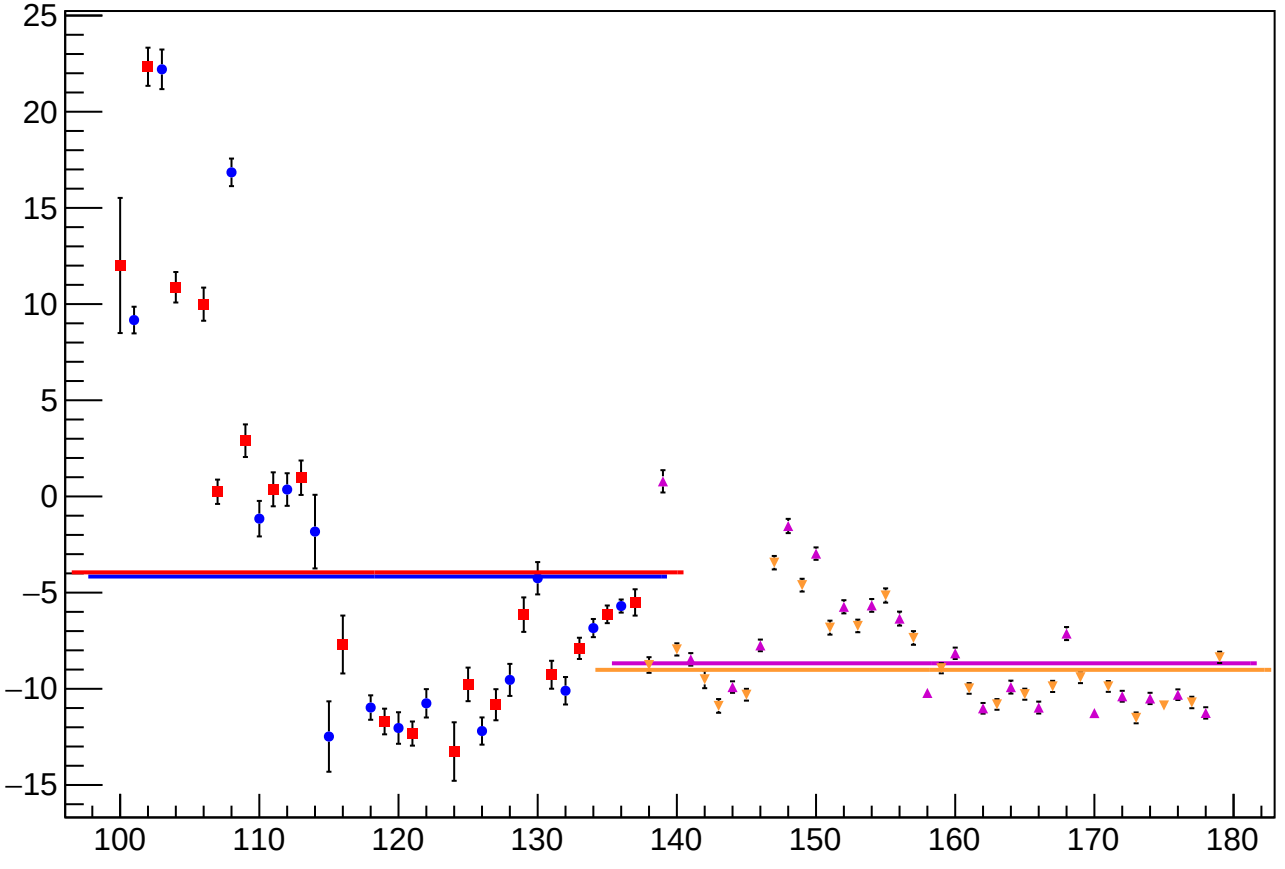
Left In: -7.222+/-0.081 χ^2/NDF:2652.7/19

\+ sign -8.222+/-0.070 χ^2/NDF: 3655.9/37

All: -7.956+/-0.050 χ^2/NDF: 7344.8/76

\- sign -7.671+/-0.073 χ^2/NDF: 3659.1/38

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs Slug



Right In: -4.163+/-0.172 χ^2/NDF: 2525.0/15

Left Out: -9.014+/-0.066 χ^2/NDF:960.4/21

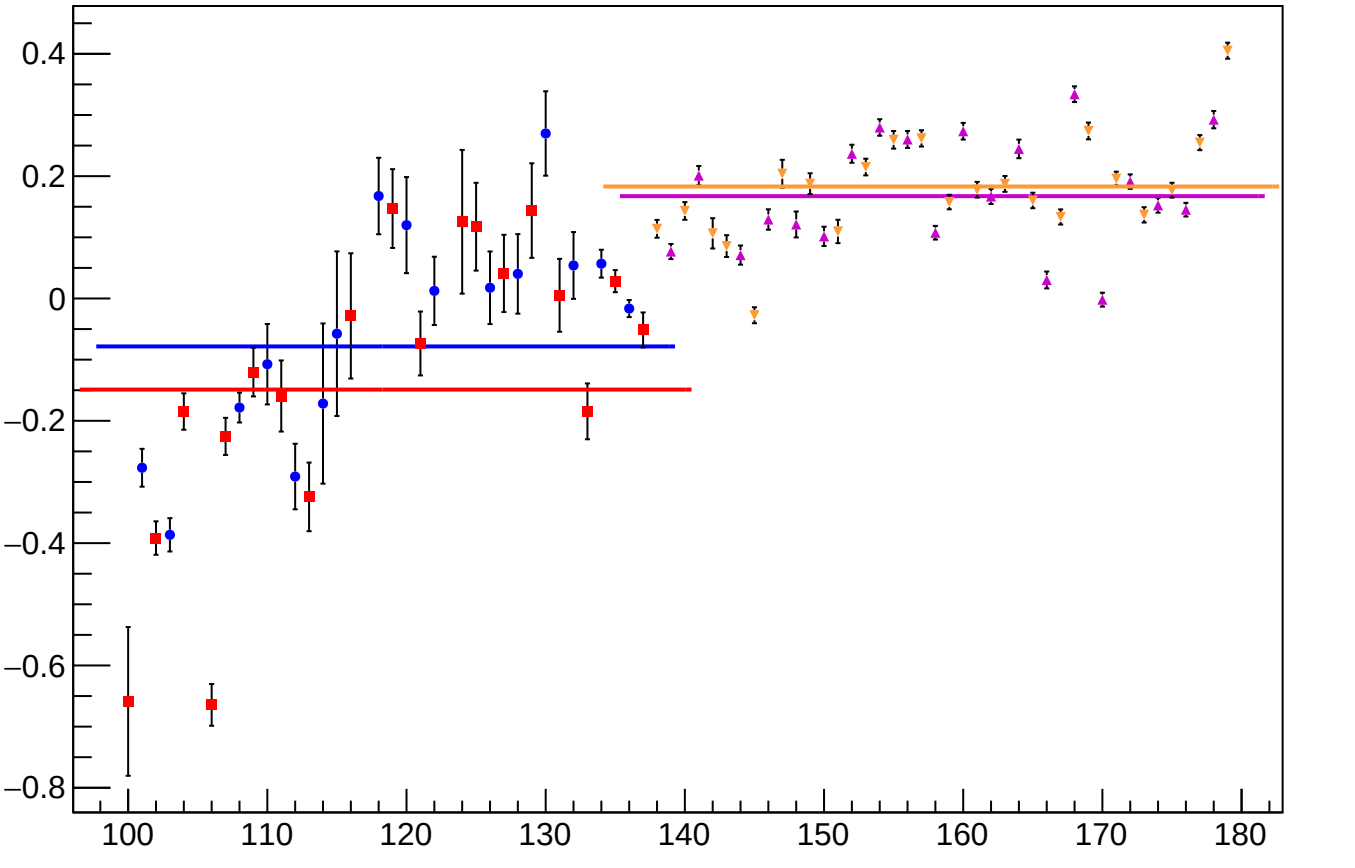
Right Out: -3.947+/-0.176 χ^2/NDF: 2110.2/18

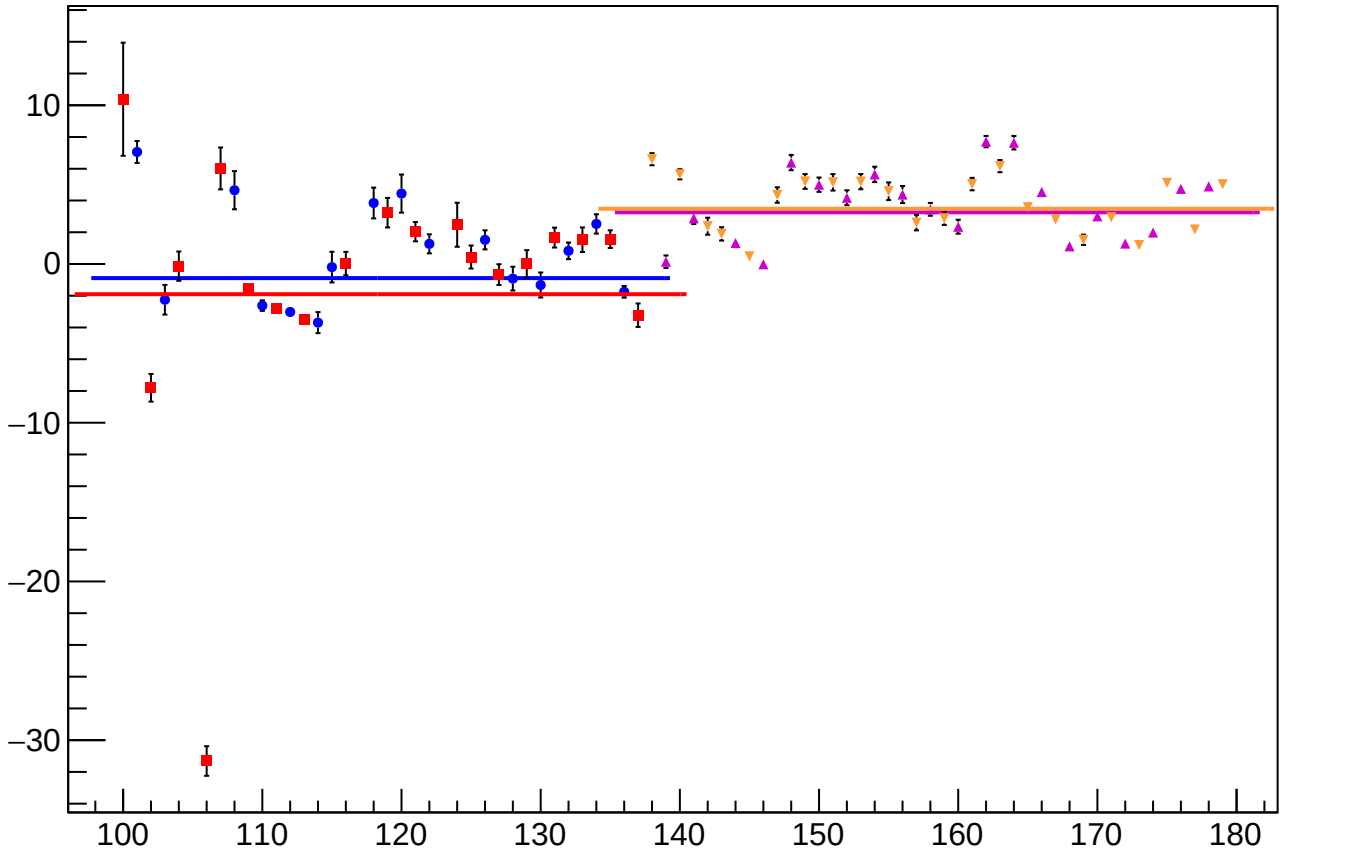
Left In: -8.674+/-0.069 χ^2/NDF:1660.1/19

+ sign -8.383+/-0.062 χ^2/NDF: 4178.0/37

All: -8.218+/-0.045 χ^2/NDF: 8587.6/76

- sign -8.040+/-0.064 χ^2/NDF: 4394.9/38


reg_asym_sam_13_57_dd_diff_bpm12X_slope vs Slug
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
110
120
130
140
150
160
170
180
Right In: -0.078+/-0.009 χ²/NDF: 318.8/15
Left Out: 0.183+/-0.003 χ²/NDF:817.4/21
Right Out: -0.149+/-0.009 χ²/NDF: 524.8/18
Left In: 0.167+/-0.003 χ²/NDF:951.2/19
+ sign 0.155+/-0.003 χ²/NDF: 1968.0/37
All: 0.146+/-0.002 χ²/NDF: 4561.8/76
- sign 0.136+/-0.003 χ²/NDF: 2570.3/38



Right In: -0.889+/-0.137 χ^2/NDF: 380.3/15

Left Out: 3.481+/-0.072 χ^2/NDF:615.1/21

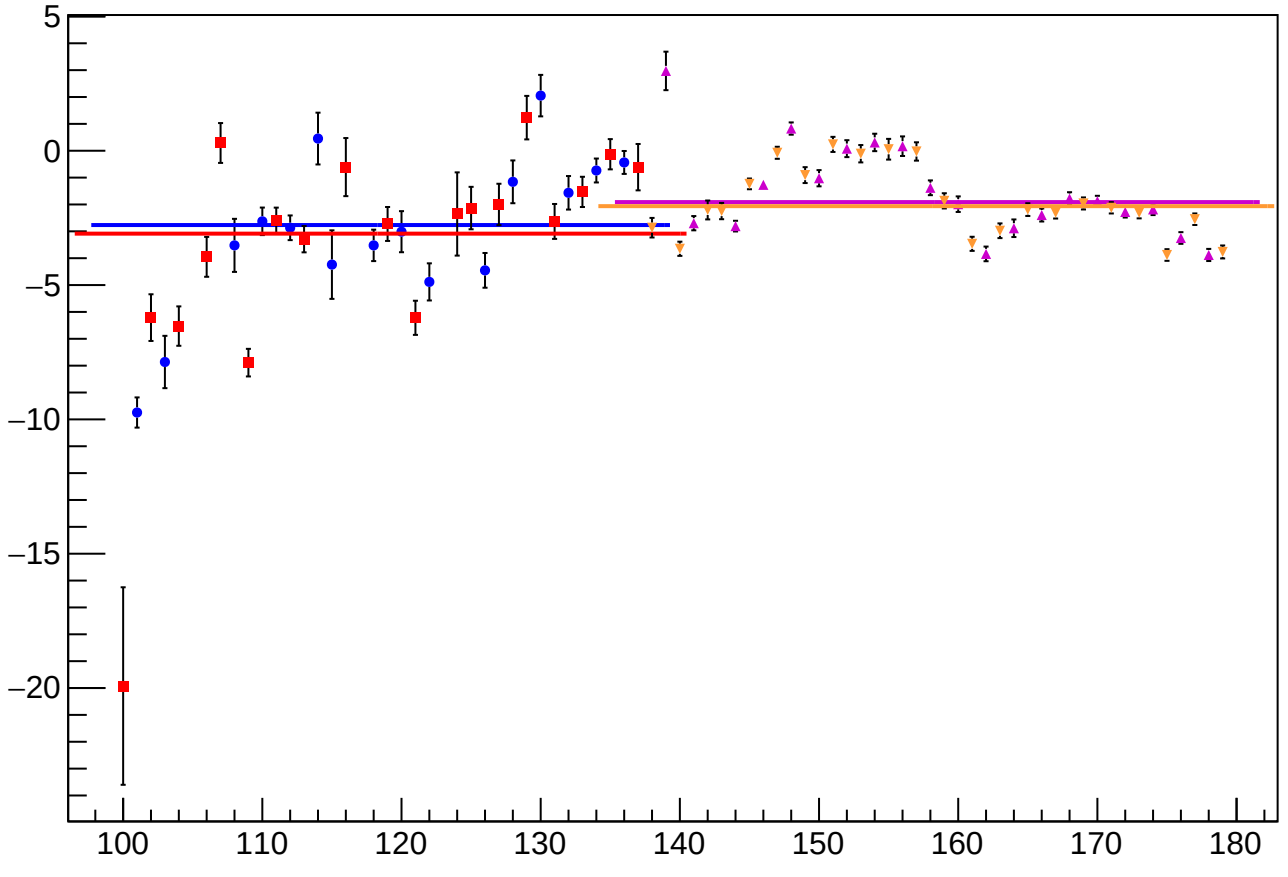
Right Out: -1.903+/-0.128 χ^2/NDF: 1331.8/18

Left In: 3.255+/-0.074 χ^2/NDF:812.8/19

+ sign 2.524+/-0.064 χ^2/NDF: 1794.8/37

All: 2.246+/-0.045 χ^2/NDF: 5188.5/76

- sign 1.966+/-0.064 χ^2/NDF: 3355.8/38



Right In: -2.766+/-0.156 χ^2/NDF: 310.1/15

Left Out: -2.063+/-0.054 χ^2/NDF:490.0/21

Right Out: -3.086+/-0.158 χ^2/NDF: 272.5/18

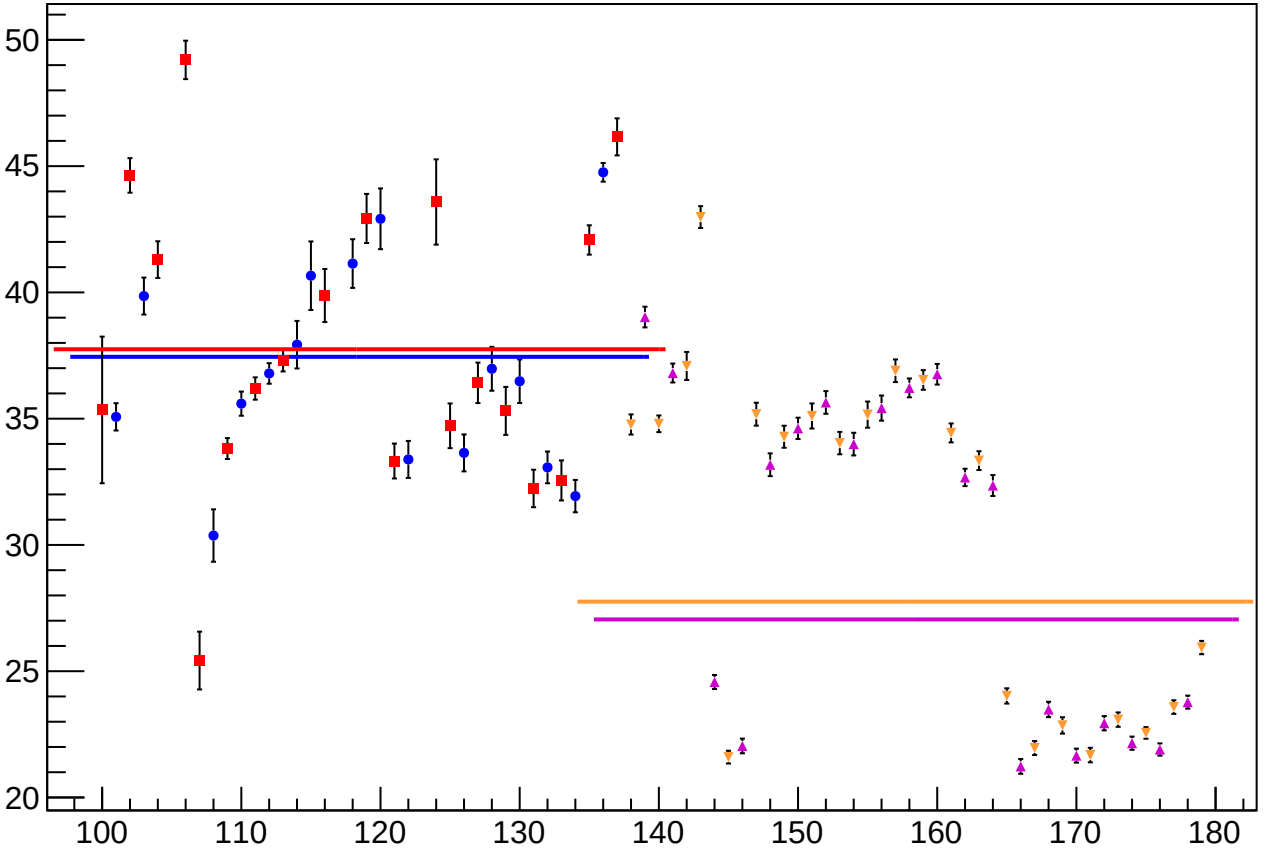
Left In: -1.912+/-0.056 χ^2/NDF:545.8/19

+ sign -2.139+/-0.051 χ^2/NDF: 818.2/37

All: -2.091+/-0.037 χ^2/NDF: 1687.6/76

- sign -2.041+/-0.052 χ^2/NDF: 867.7/38

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug



Right In: 37.449+/-0.161 χ^2/NDF: 706.9/15

Left Out: 27.754+/-0.072 χ^2/NDF:7788.4/21

Right Out: 37.749+/-0.159 χ^2/NDF: 963.6/18

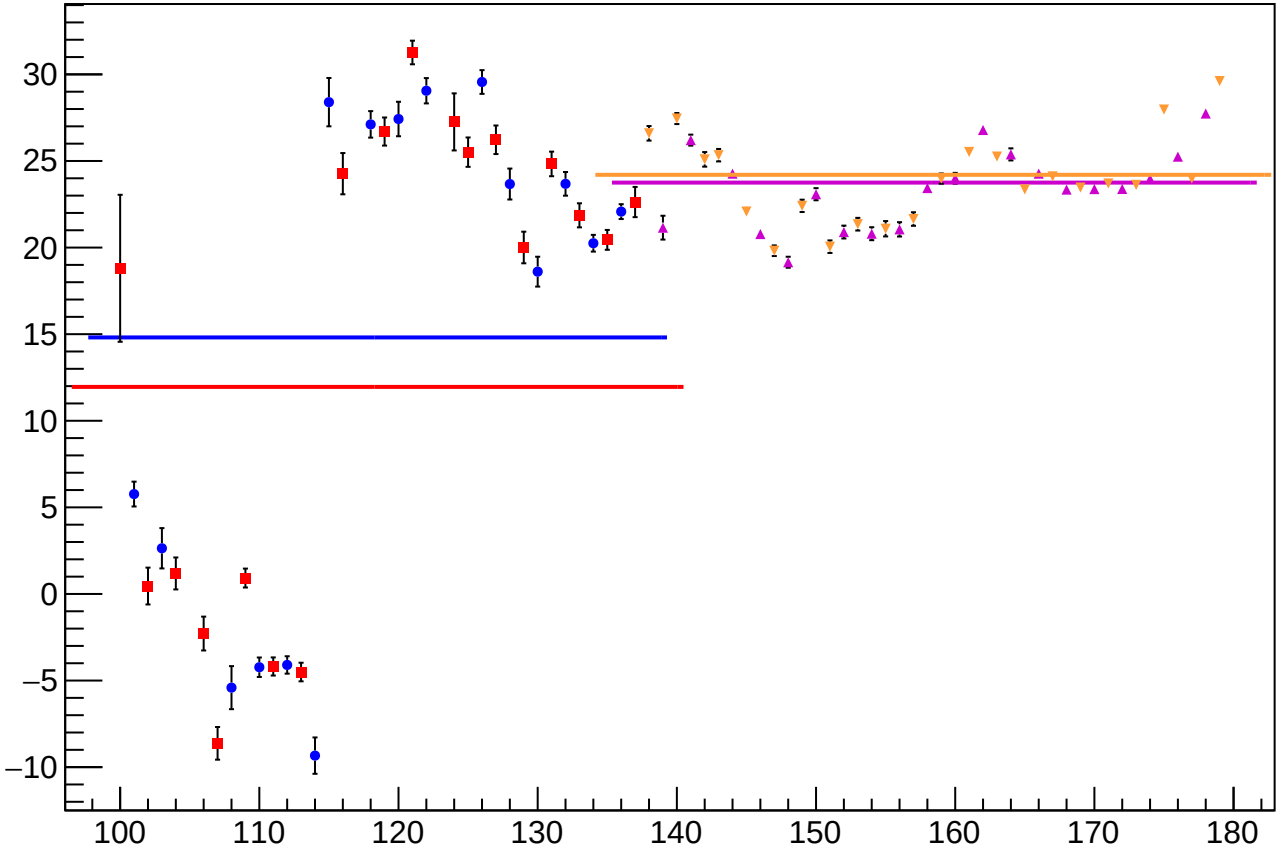
Left In: 27.051+/-0.074 χ^2/NDF:6981.2/19

+ sign 29.372+/-0.066 χ^2/NDF: 11526.8/37

All: 29.157+/-0.047 χ^2/NDF: 23204.7/76

- sign 28.933+/-0.067 χ^2/NDF: 11656.1/38

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug



Right In: 14.812+/-0.174 χ^2/NDF: 5686.4/15

Left Out: 24.202+/-0.061 χ^2/NDF:1515.0/21

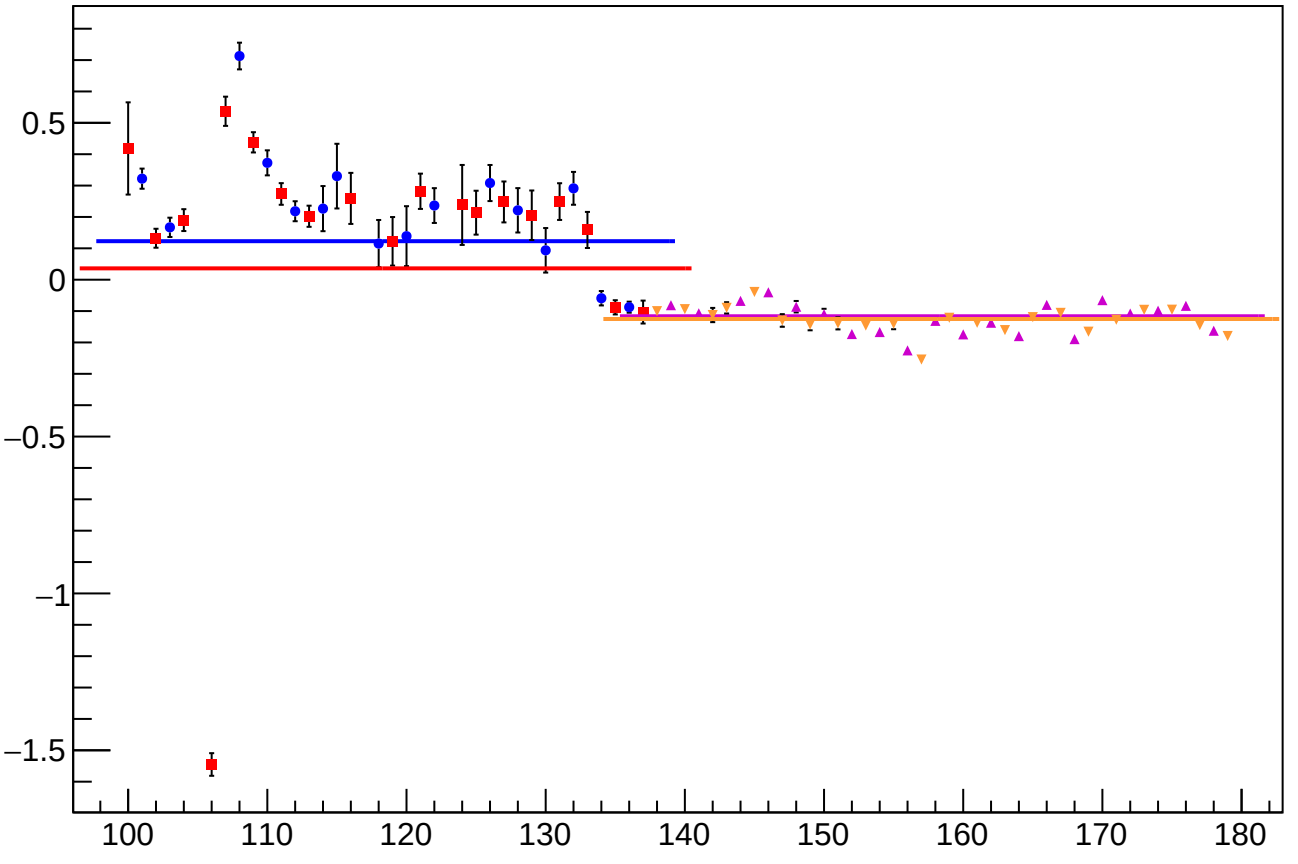
Right Out: 11.955+/-0.177 χ^2/NDF: 6105.5/18

Left In: 23.752+/-0.062 χ^2/NDF:1109.5/19

+ sign 23.174+/-0.058 χ^2/NDF: 9798.4/37

All: 22.818+/-0.041 χ^2/NDF: 21049.5/76

- sign 22.444+/-0.059 χ^2/NDF: 11172.5/38



Right In: 0.123+/-0.009 χ^2/NDF: 520.0/15

Left Out: -0.125+/-0.003 χ^2/NDF:233.1/21

Right Out: 0.036+/-0.010 χ^2/NDF: 2414.7/18

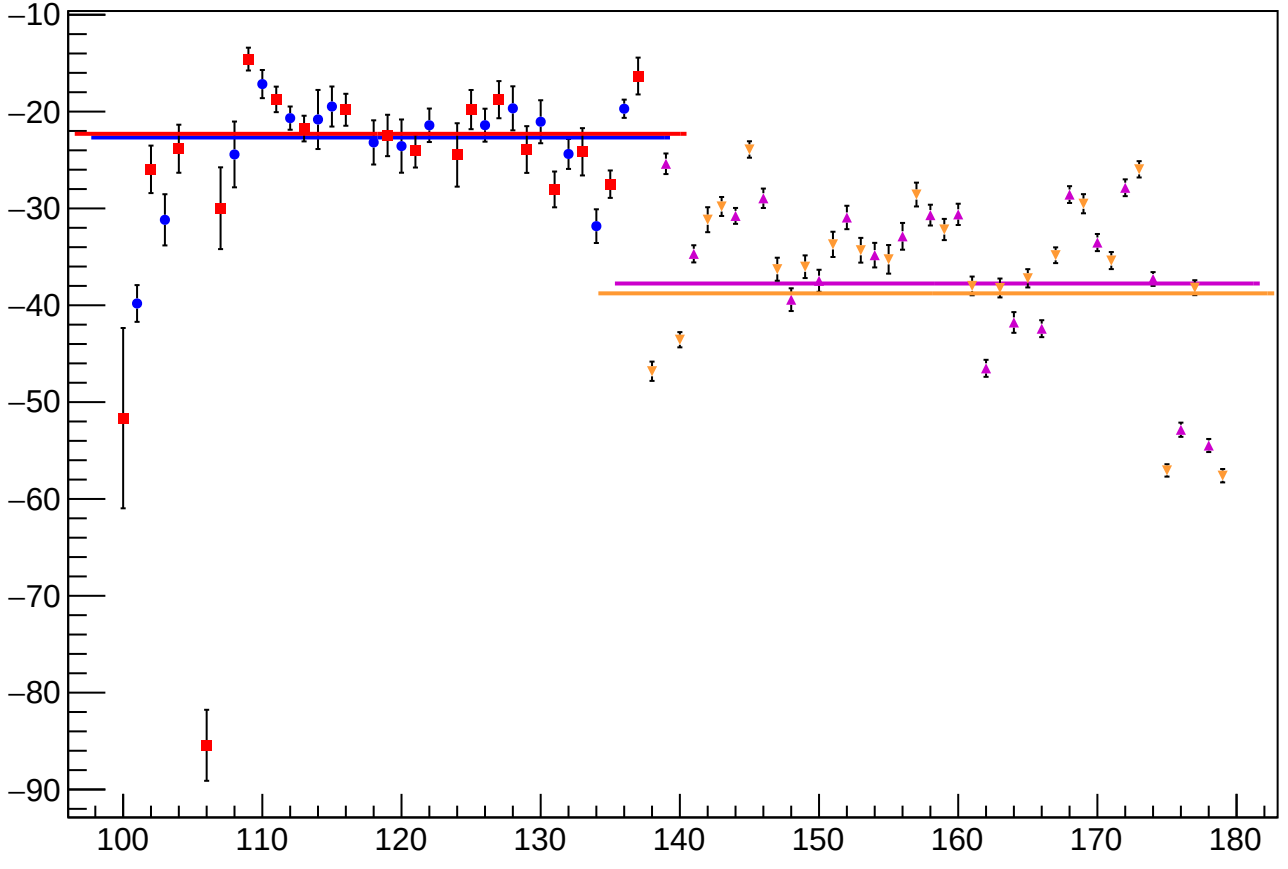
Left In: -0.117+/-0.003 χ^2/NDF:289.0/19

+ sign -0.106+/-0.003 χ^2/NDF: 1393.7/37

All: -0.106+/-0.002 χ^2/NDF: 4323.2/76

- sign -0.105+/-0.003 χ^2/NDF: 2929.4/38

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug



Right In: -22.675+/-0.435 χ^2/NDF: 154.4/15

Left Out: -38.770+/-0.200 χ^2/NDF:2592.1/21

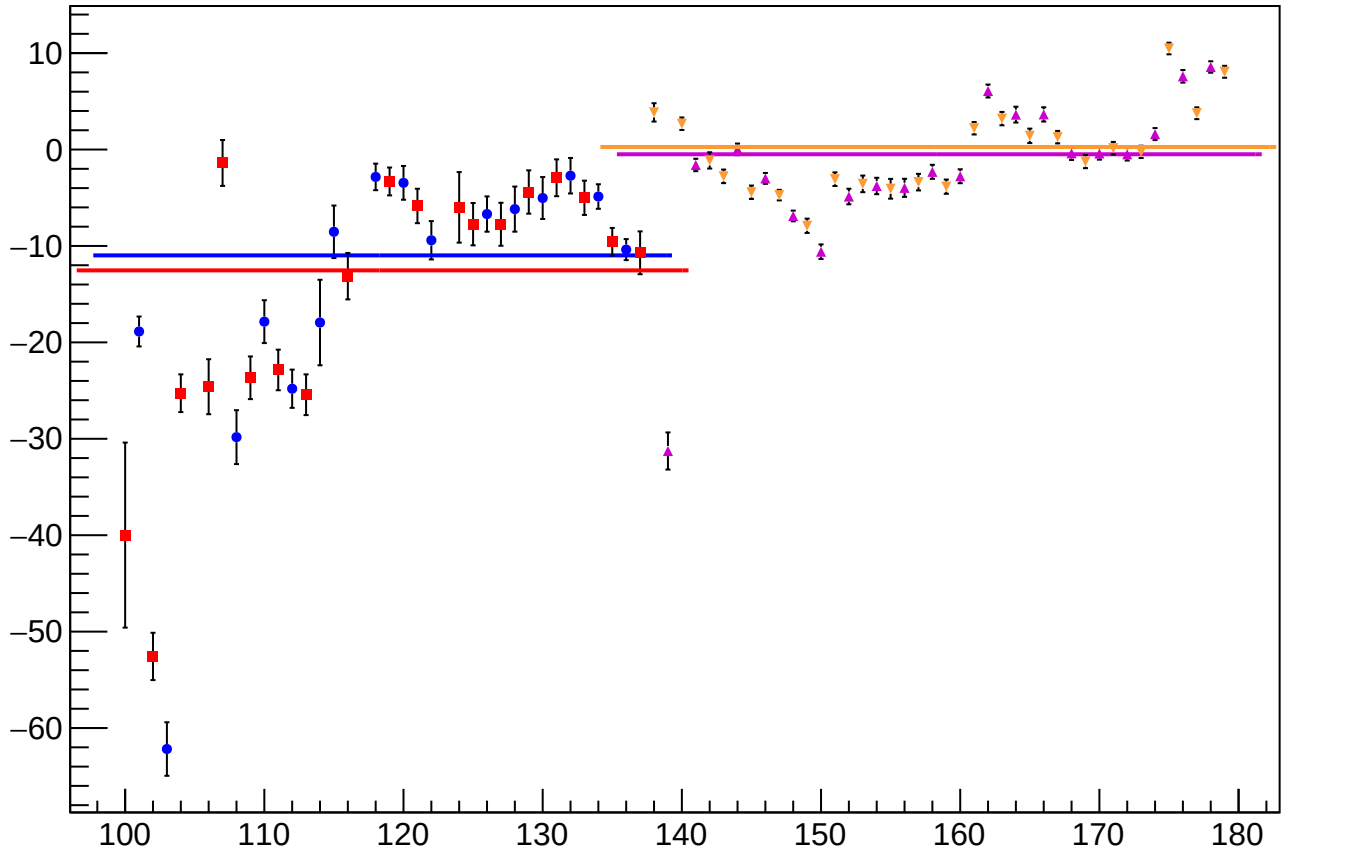
Right Out: -22.295+/-0.435 χ^2/NDF: 405.5/18

Left In: -37.752+/-0.208 χ^2/NDF:1878.0/19

\+ sign -35.949+/-0.182 χ^2/NDF: 3878.0/37

All: -35.429+/-0.131 χ^2/NDF: 7205.2/76

\- sign -34.875+/-0.188 χ^2/NDF: 3310.3/38



Right In: -10.978+/-0.453 χ^2/NDF: 587.3/15

Left Out: 0.265+/-0.149 χ^2/NDF:922.9/21

Right Out: -12.533+/-0.481 χ^2/NDF: 572.3/18

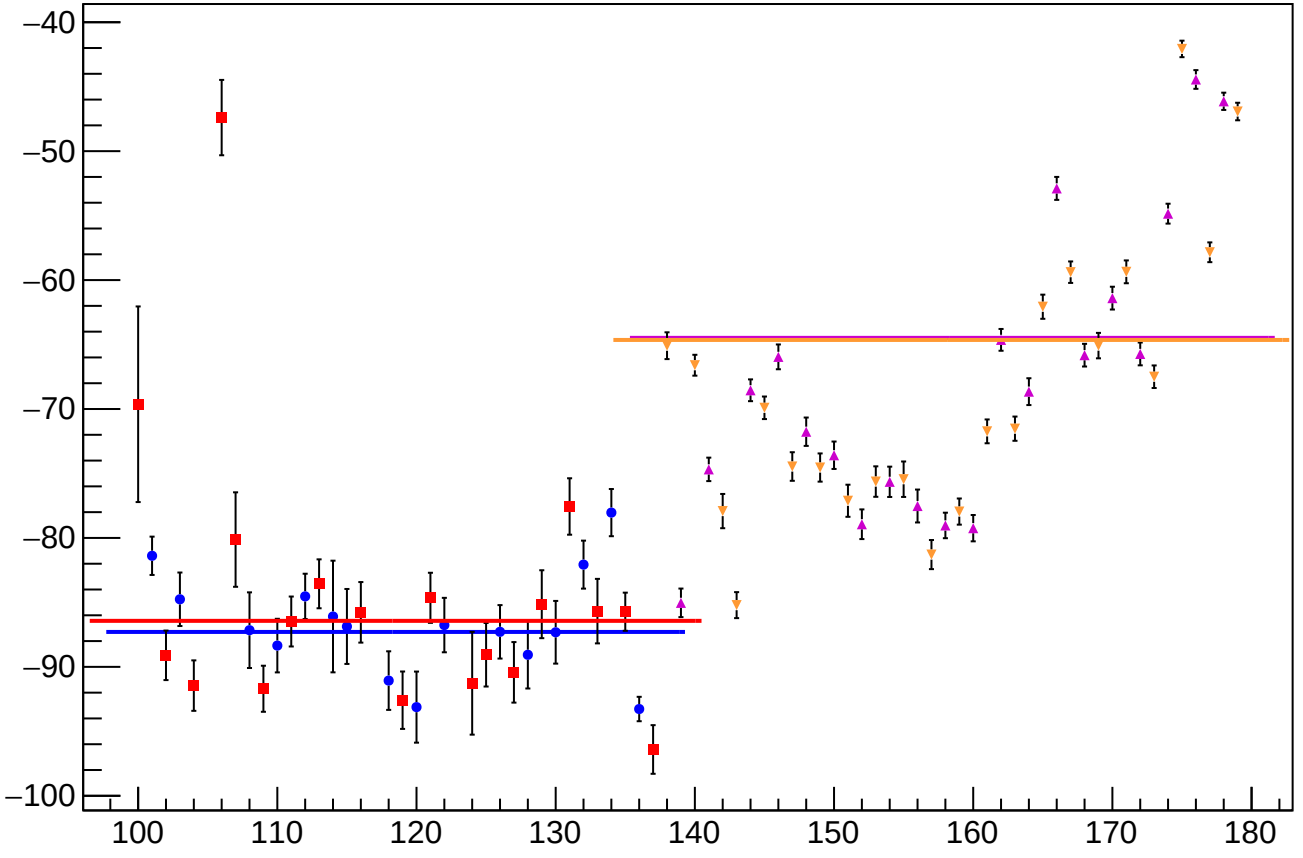
Left In: -0.491+/-0.155 χ^2/NDF:1211.9/19

+ sign -0.829+/-0.141 χ^2/NDF: 2065.4/37

All: -1.209+/-0.102 χ^2/NDF: 4432.4/76

- sign -1.624+/-0.148 χ^2/NDF: 2351.8/38

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs Slug



Right In: -87.291+/-0.481 χ^2/NDF: 101.2/15

Left Out: -64.643+/-0.198 χ^2/NDF:3564.4/21

Right Out: -86.431+/-0.506 χ^2/NDF: 264.8/18

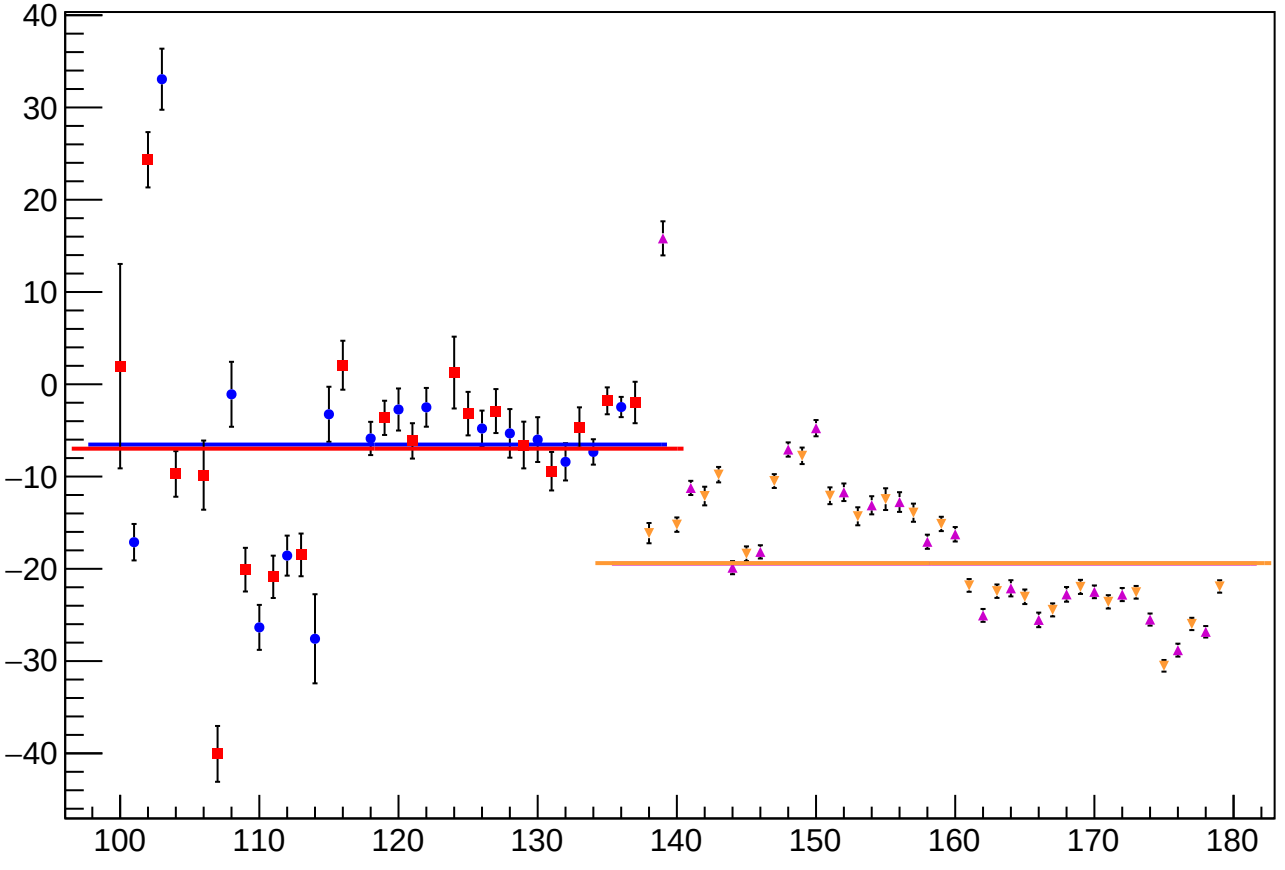
Left In: -64.481+/-0.206 χ^2/NDF:3263.9/19

+ sign -67.941+/-0.183 χ^2/NDF: 5563.0/37

All: -67.780+/-0.132 χ^2/NDF: 10707.6/76

- sign -67.606+/-0.191 χ^2/NDF: 5143.0/38

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug



Right In: -6.535+/-0.508 χ^2/NDF: 313.9/15

Left Out: -19.383+/-0.168 χ^2/NDF:1308.7/21

Right Out: -6.979+/-0.542 χ^2/NDF: 368.3/18

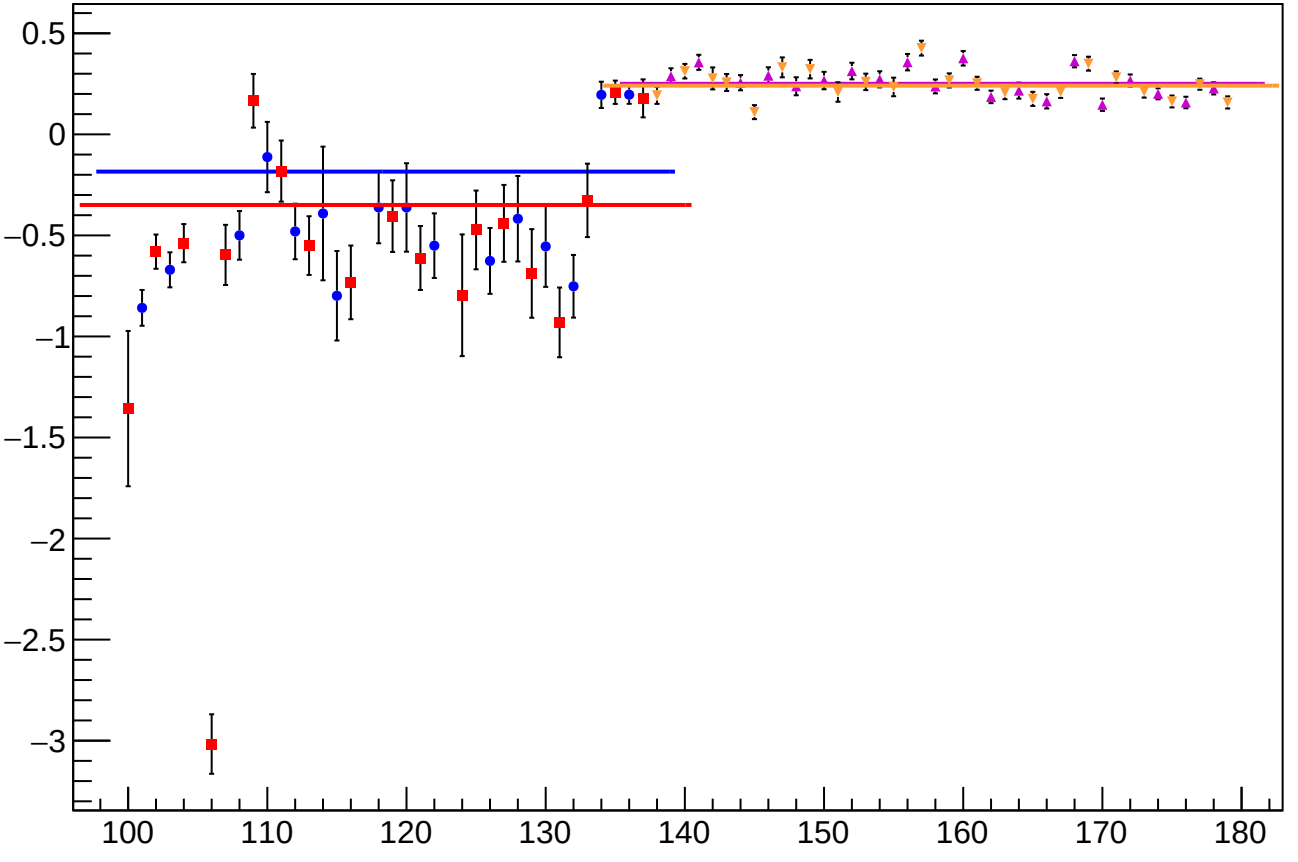
Left In: -19.428+/-0.175 χ^2/NDF:1785.3/19

+ sign -18.115+/-0.160 χ^2/NDF: 2199.4/37

All: -18.181+/-0.115 χ^2/NDF: 4831.7/76

- sign -18.253+/-0.166 χ^2/NDF: 2632.0/38

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug



Right In: -0.184+/-0.027 χ^2/NDF: 247.3/15

Left Out: 0.241+/-0.008 χ^2/NDF:86.1/21

Right Out: -0.349+/-0.029 χ^2/NDF: 516.5/18

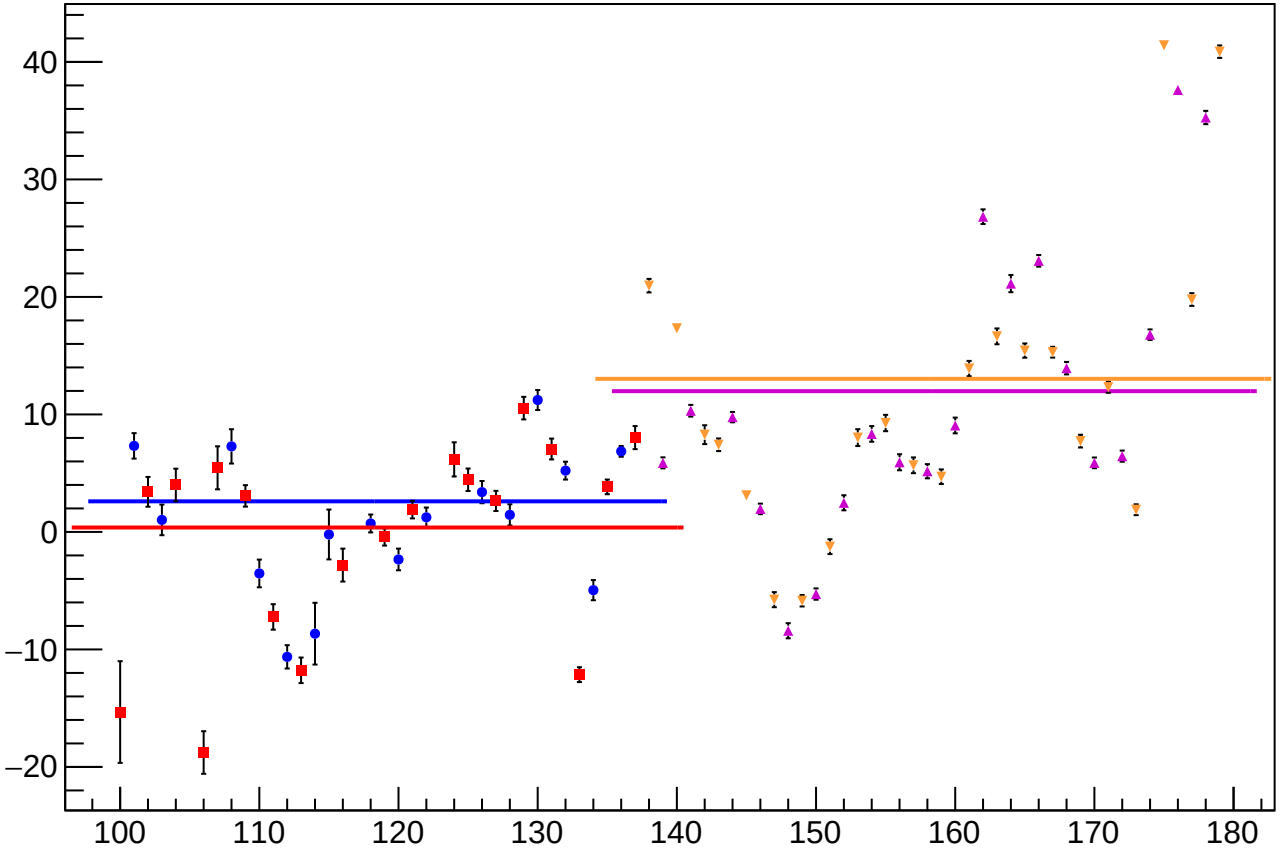
Left In: 0.250+/-0.008 χ^2/NDF:82.8/19

+ sign 0.209+/-0.007 χ^2/NDF: 567.0/37

All: 0.210+/-0.005 χ^2/NDF: 1556.7/76

- sign 0.211+/-0.008 χ^2/NDF: 989.7/38

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug



Right In: 2.604+/-0.224 χ^2/NDF: 573.1/15

Left Out: 13.029+/-0.115 χ^2/NDF:13090.9/21

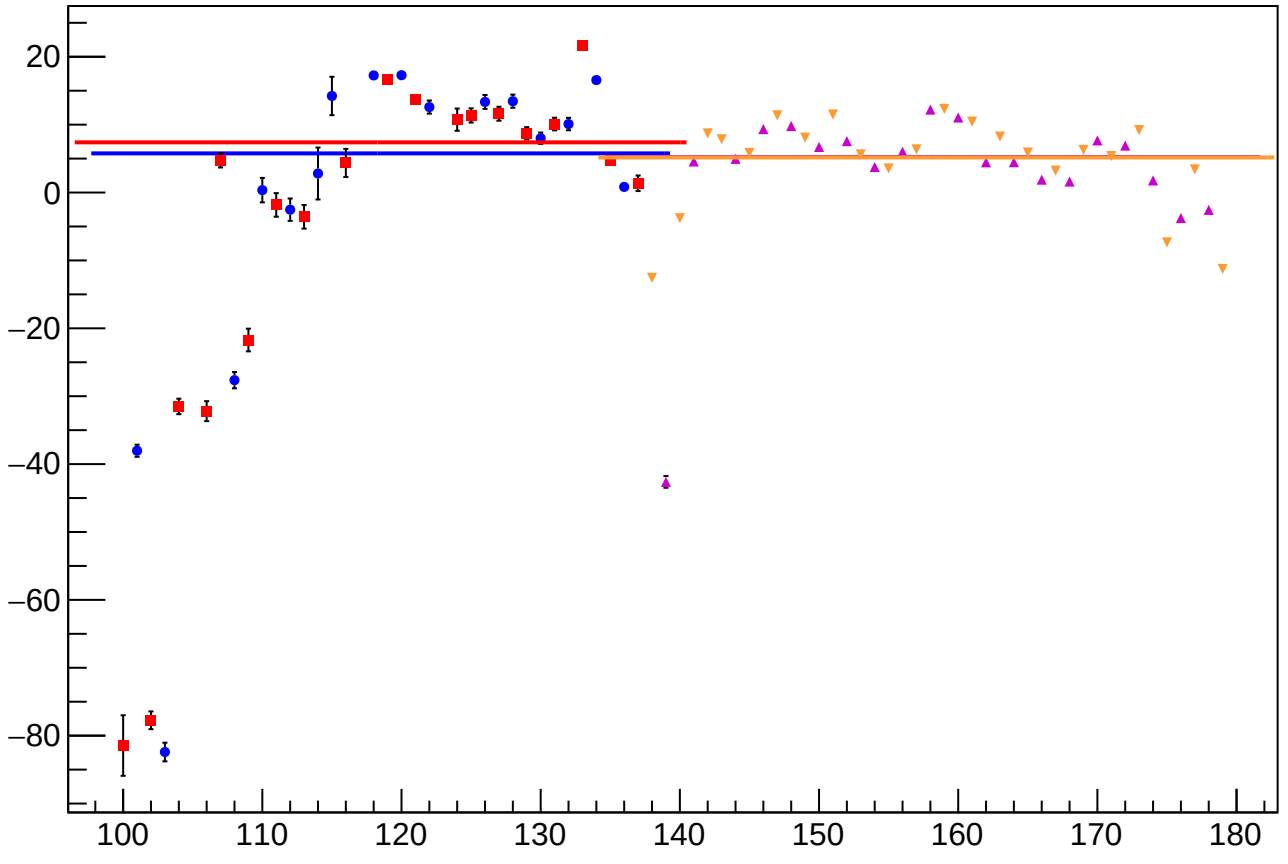
Right Out: 0.377+/-0.222 χ^2/NDF: 1030.9/18

Left In: 11.981+/-0.118 χ^2/NDF:10381.1/19

+ sign 10.868+/-0.102 χ^2/NDF: 15379.7/37

All: 10.167+/-0.073 χ^2/NDF: 29016.9/76

- sign 9.438+/-0.104 χ^2/NDF: 13540.9/38



Right In: 5.768+/-0.210 χ^2/NDF: 8933.8/15

Left Out: 5.170+/-0.084 χ^2/NDF:5512.7/21

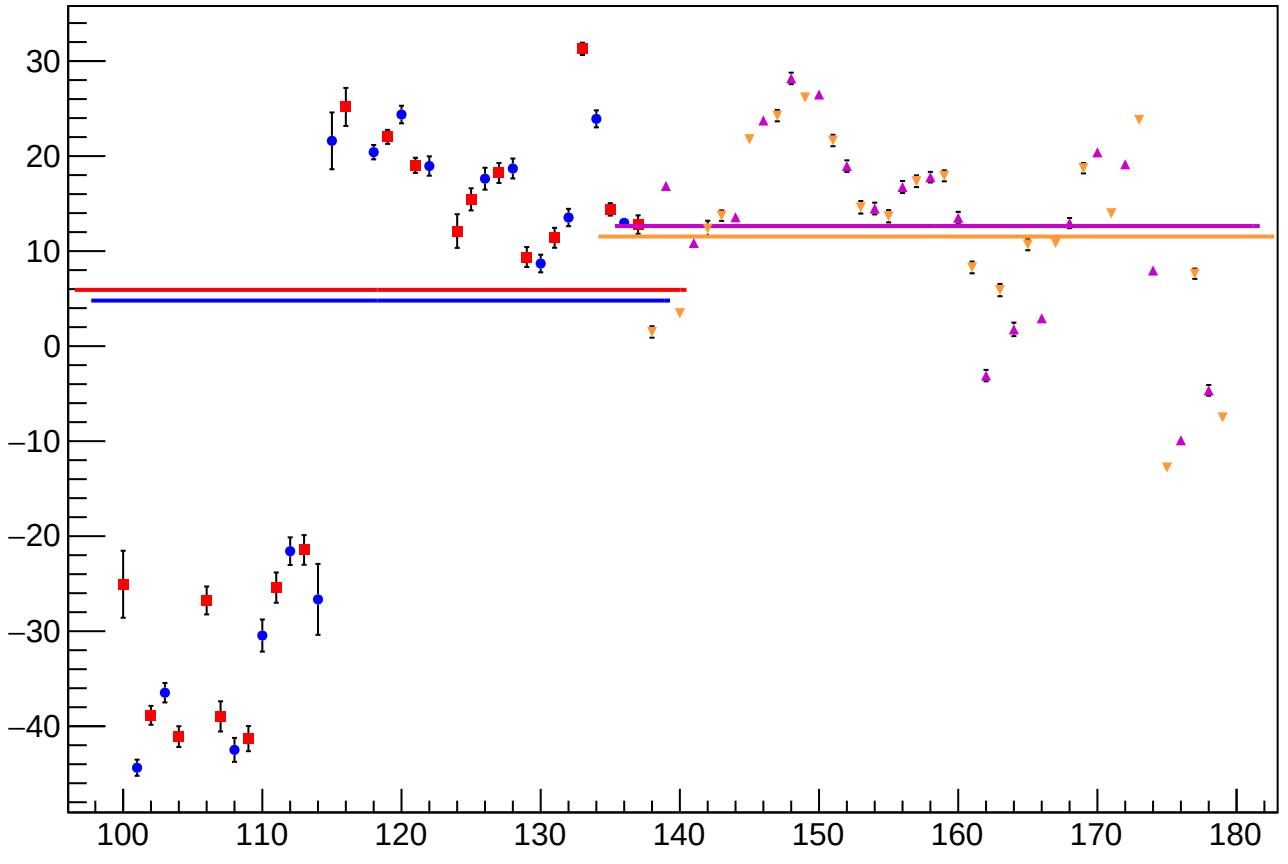
Right Out: 7.393+/-0.209 χ^2/NDF: 8390.6/18

Left In: 5.233+/-0.088 χ^2/NDF:5152.4/19

+ sign 5.253+/-0.078 χ^2/NDF: 14453.5/37

All: 5.400+/-0.056 χ^2/NDF: 28094.8/76

- sign 5.557+/-0.081 χ^2/NDF: 13634.0/38



Right In: 4.794+/-0.237 χ^2/NDF: 9496.9/15

Left Out: 11.533+/-0.113 χ^2/NDF:9430.7/21

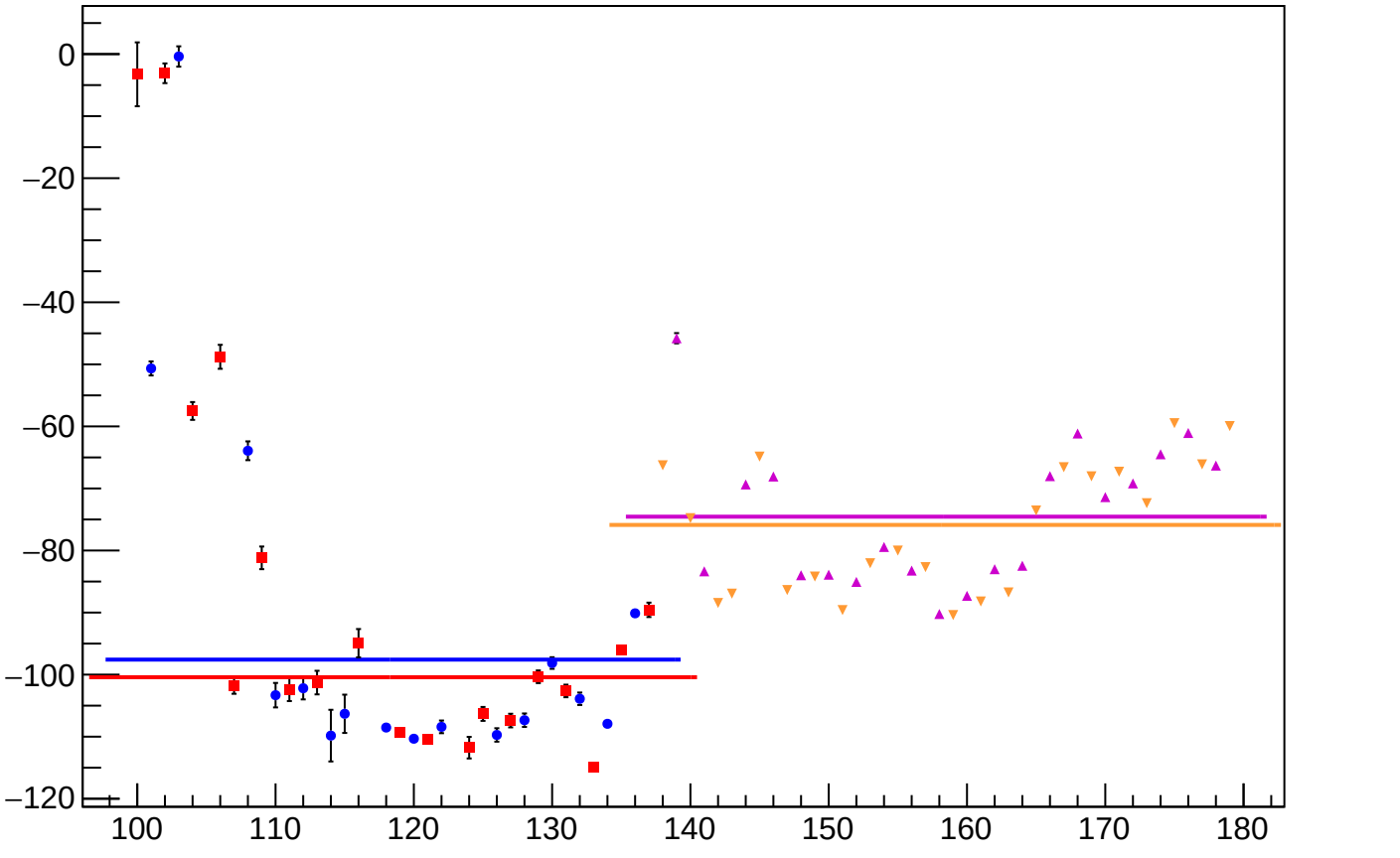
Right Out: 5.921+/-0.240 χ^2/NDF: 10059.4/18

Left In: 12.641+/-0.116 χ^2/NDF:8233.0/19

+ sign 10.281+/-0.102 χ^2/NDF: 19583.6/37

All: 10.808+/-0.073 χ^2/NDF: 38565.5/76

- sign 11.360+/-0.105 χ^2/NDF: 18927.6/38



Right In: -97.581+/-0.242 χ^2/NDF: 7144.2/15

Left Out: -75.877+/-0.096 χ^2/NDF:11309.2/21

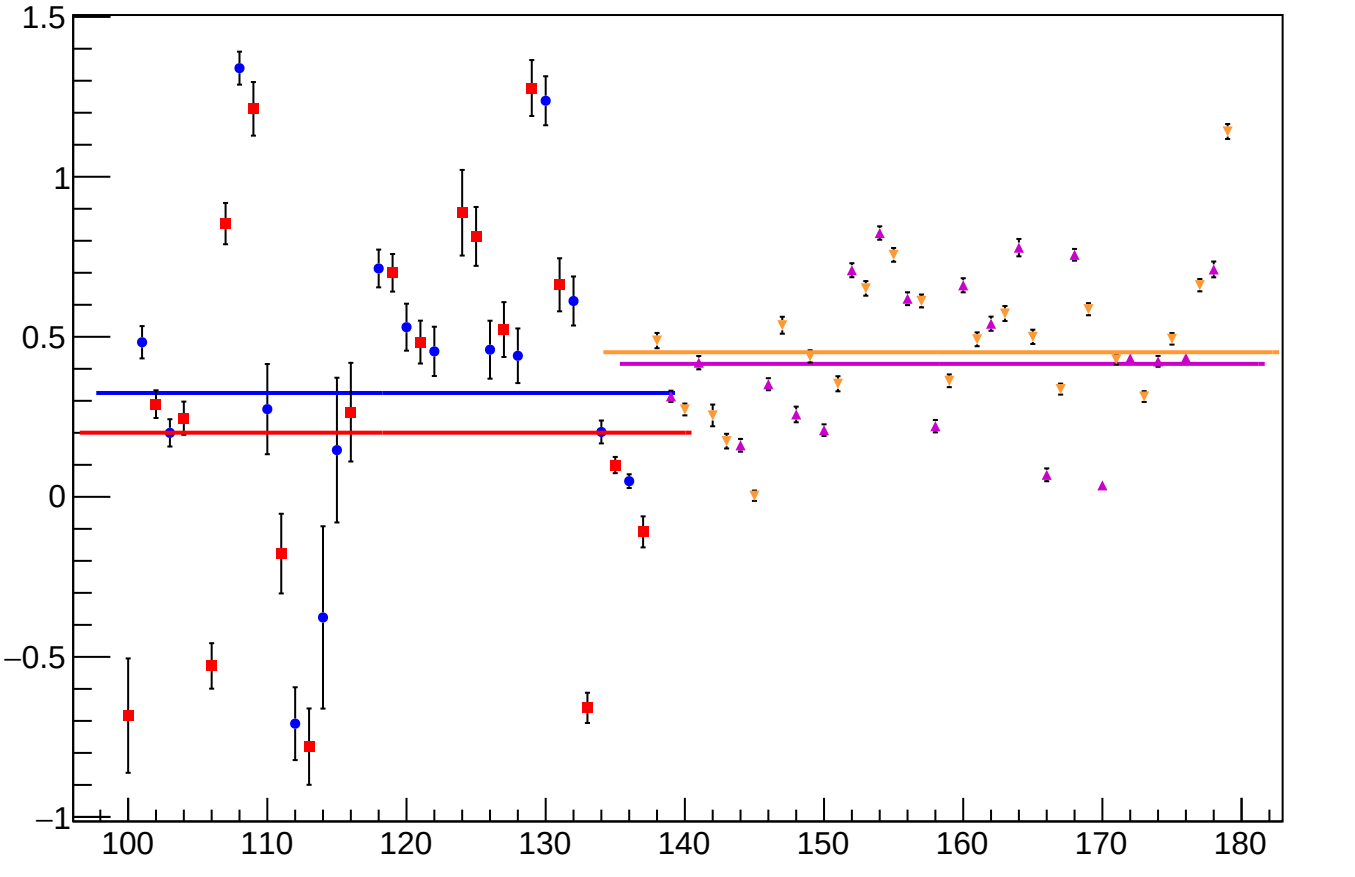
Right Out: -100.418+/-0.241 χ^2/NDF: 7115.7/18

Left In: -74.548+/-0.099 χ^2/NDF:9677.9/19

+ sign -78.840+/-0.089 χ^2/NDF: 25417.0/37

All: -78.579+/-0.064 χ^2/NDF: 52079.8/76

- sign -78.304+/-0.092 χ^2/NDF: 26645.3/38



Right In: 0.324+/-0.013 χ^2/NDF: 886.5/15

Left Out: 0.452+/-0.004 χ^2/NDF:2619.3/21

Right Out: 0.200+/-0.014 χ^2/NDF: 1206.3/18

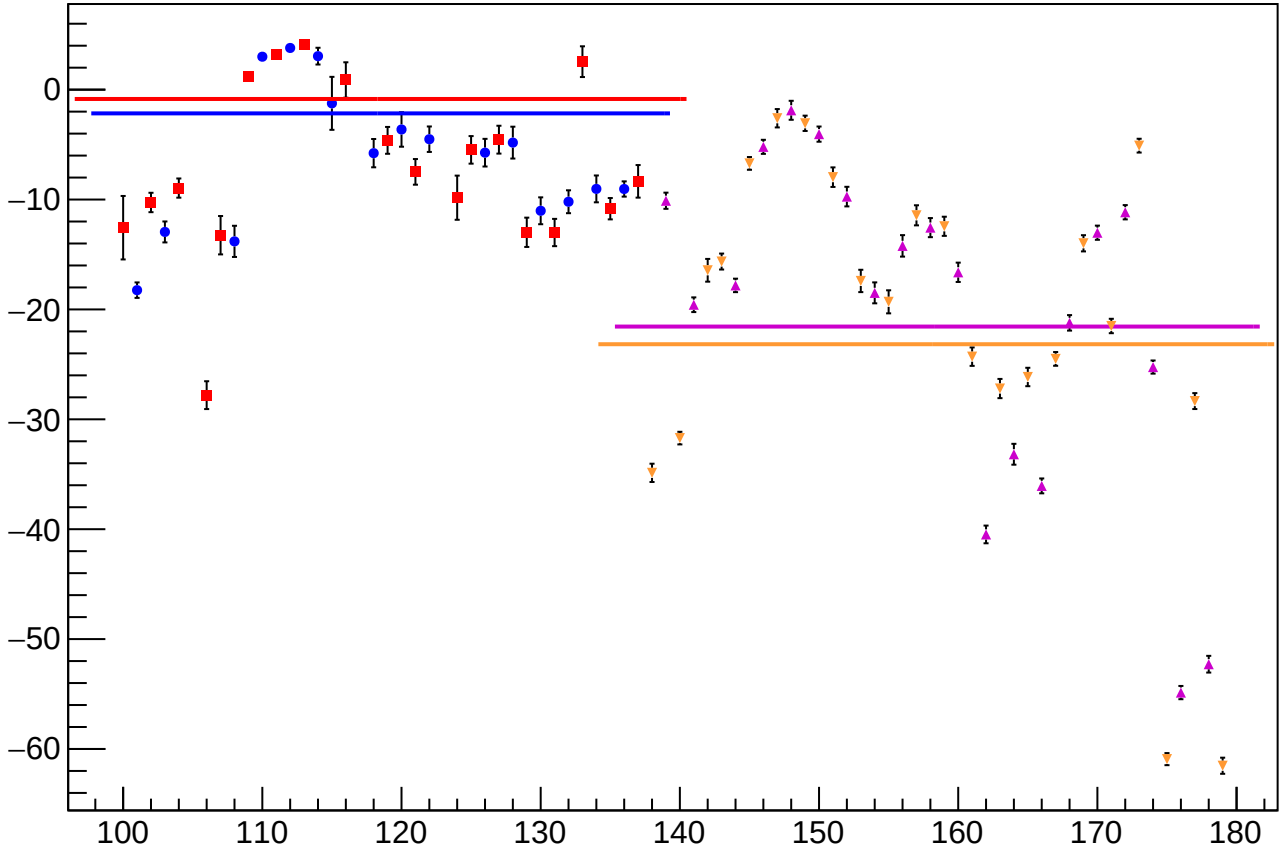
Left In: 0.415+/-0.004 χ^2/NDF:2848.4/19

\+ sign 0.440+/-0.004 χ^2/NDF: 3588.8/37

All: 0.418+/-0.003 χ^2/NDF: 7918.3/76

\- sign 0.396+/-0.004 χ^2/NDF: 4274.0/38

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug



Right In: -2.159+/-0.192 χ^2/NDF: 1491.0/15

Left Out: -23.166+/-0.158 χ^2/NDF:11986.6/21

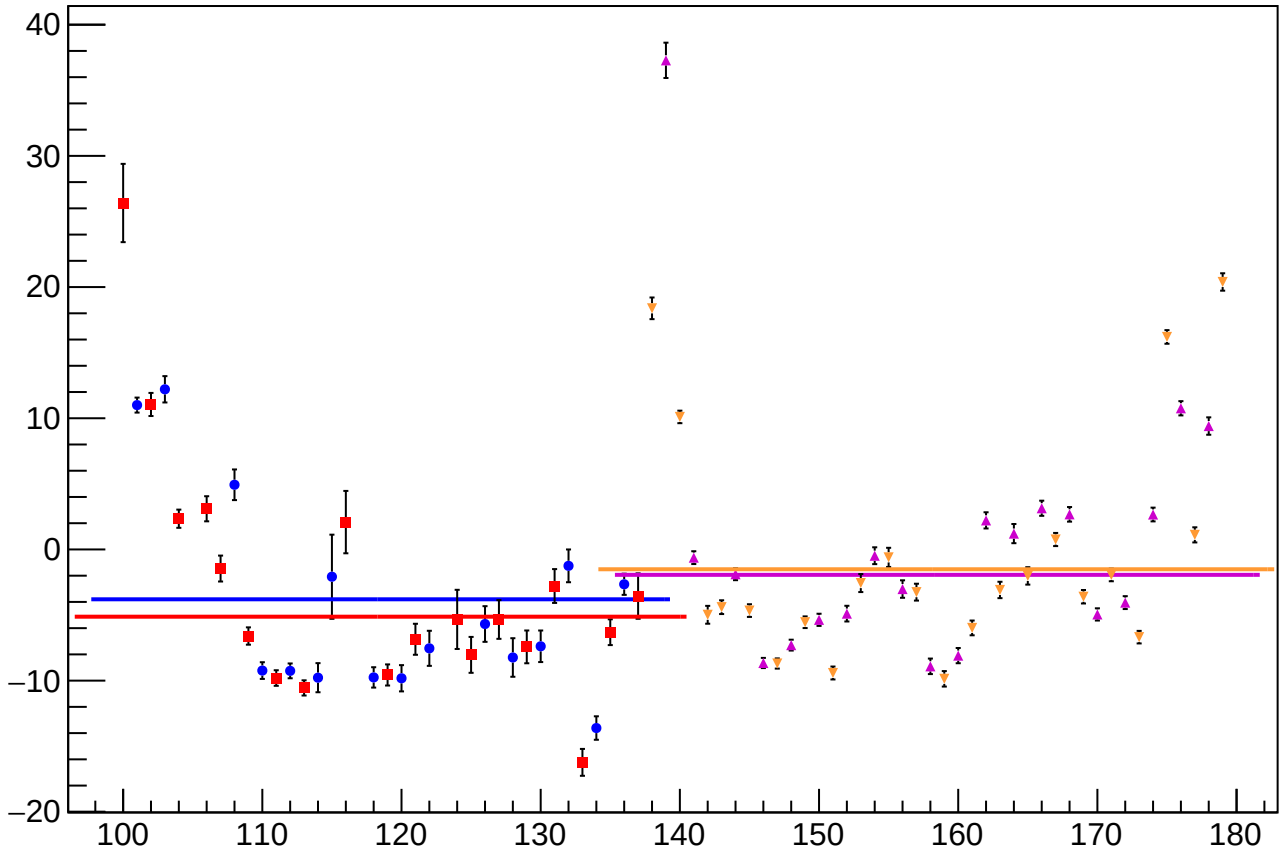
Right Out: -0.848+/-0.170 χ^2/NDF: 1465.4/18

Left In: -21.560+/-0.163 χ^2/NDF:8790.9/19

+ sign -14.663+/-0.122 χ^2/NDF: 20604.5/37

All: -13.102+/-0.085 χ^2/NDF: 38879.5/76

- sign -11.647+/-0.118 χ^2/NDF: 17959.2/38



Right In: -3.800+/-0.226 χ^2/NDF: 1425.5/15

Left Out: -1.511+/-0.116 χ^2/NDF:4659.6/21

Right Out: -5.126+/-0.219 χ^2/NDF: 980.6/18

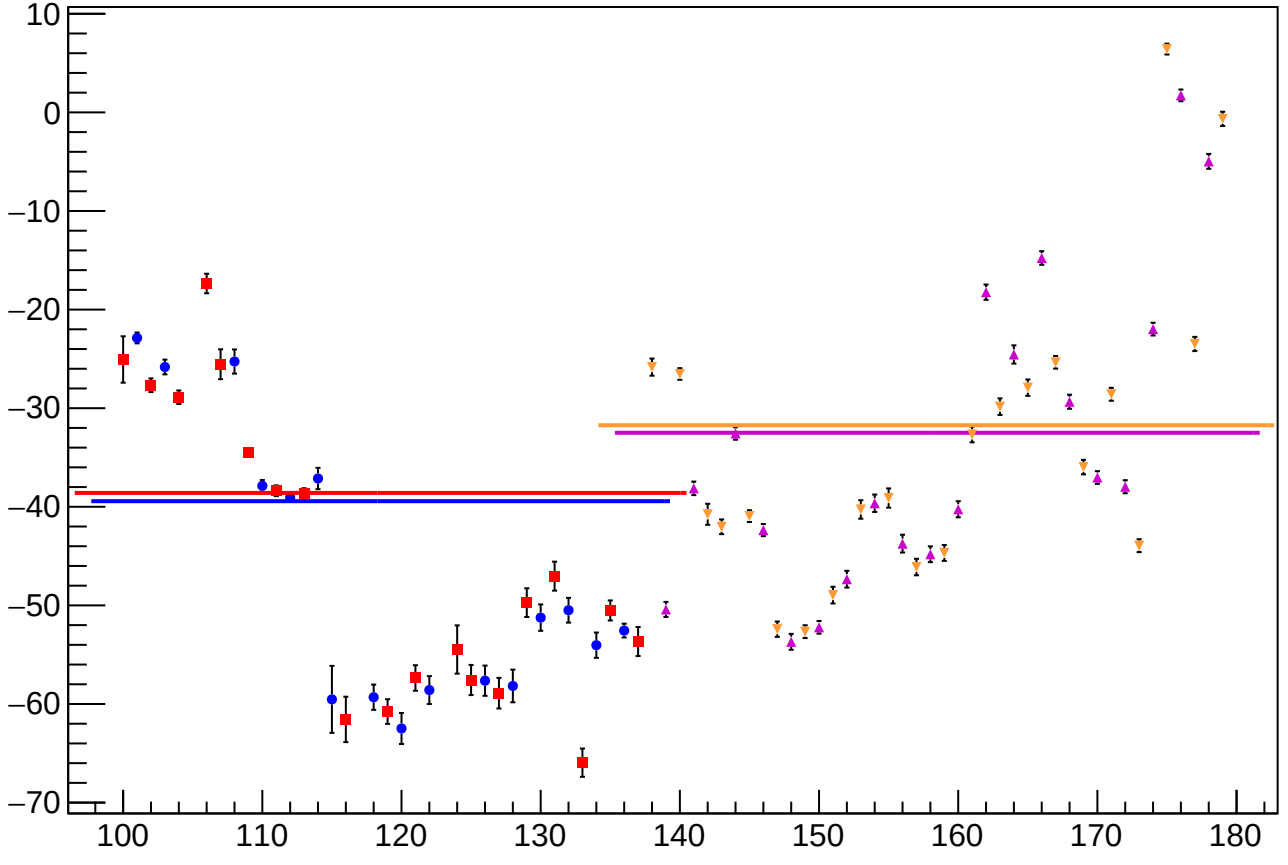
Left In: -1.936+/-0.121 χ^2/NDF:2847.6/19

+ sign -1.989+/-0.103 χ^2/NDF: 6166.6/37

All: -2.326+/-0.074 χ^2/NDF: 10179.8/76

- sign -2.679+/-0.106 χ^2/NDF: 3991.4/38

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug



Right In: -39.431+/-0.225 χ^2/NDF: 2958.1/15

Left Out: -31.730+/-0.157 χ^2/NDF:10802.1/21

Right Out: -38.593+/-0.213 χ^2/NDF: 2772.1/18

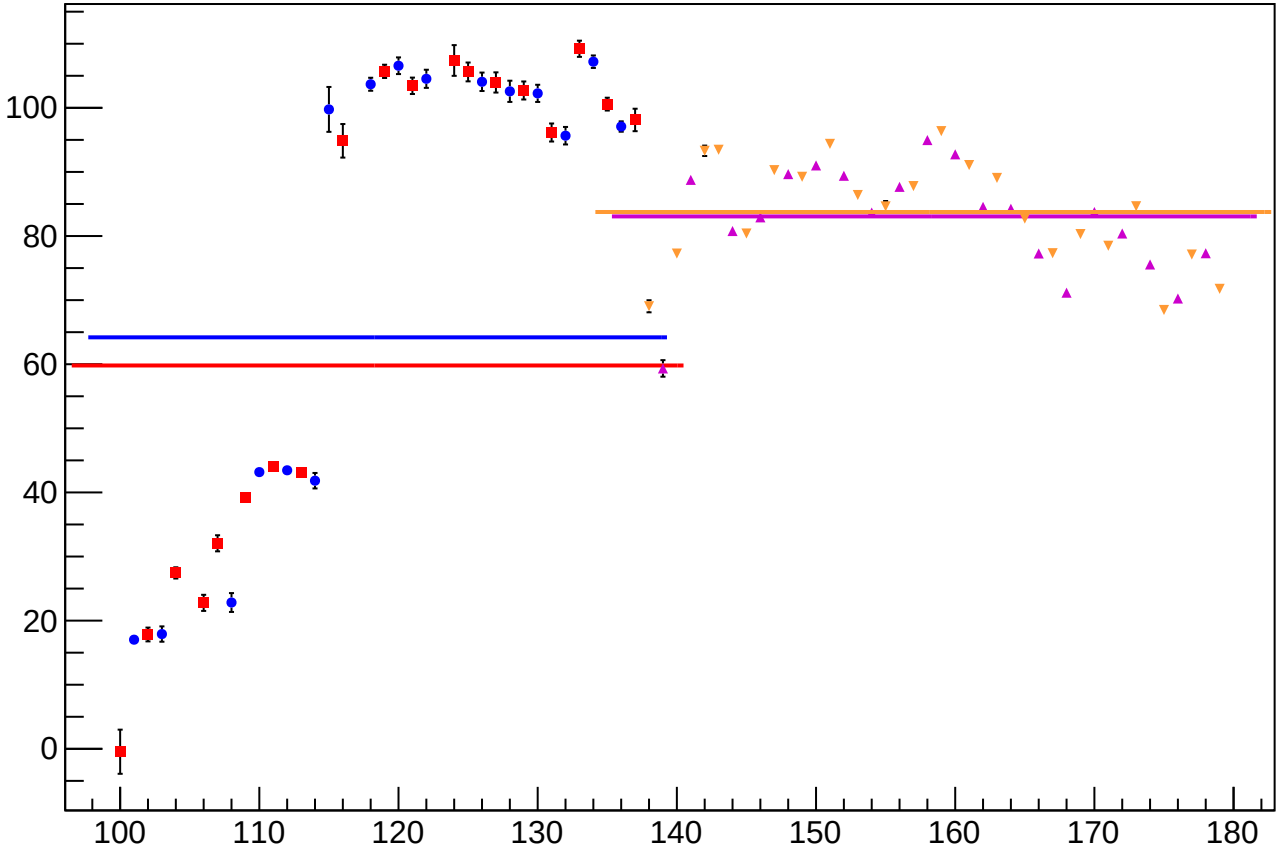
Left In: -32.494+/-0.161 χ^2/NDF:9447.3/19

+ sign -34.238+/-0.129 χ^2/NDF: 14547.1/37

All: -34.482+/-0.091 χ^2/NDF: 27295.9/76

- sign -34.725+/-0.129 χ^2/NDF: 12741.6/38

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug



Right In: 64.196+/-0.258 χ^2/NDF: 18596.4/15

Left Out: 83.750+/-0.132 χ^2/NDF:3459.4/21

Right Out: 59.805+/-0.249 χ^2/NDF: 17431.2/18

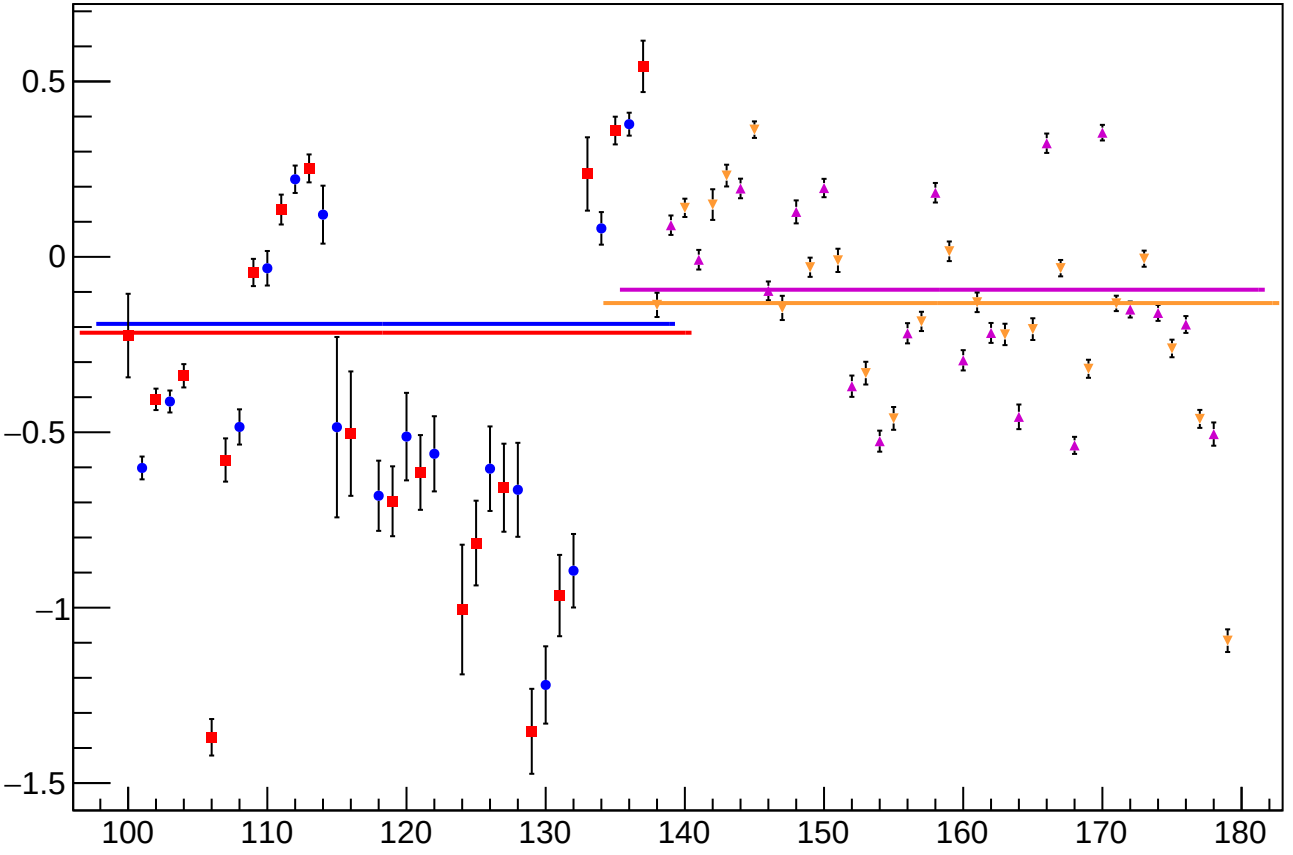
Left In: 83.062+/-0.137 χ^2/NDF:2725.0/19

+ sign 79.676+/-0.118 χ^2/NDF: 26620.9/37

All: 78.688+/-0.084 χ^2/NDF: 53633.2/76

- sign 77.661+/-0.120 χ^2/NDF: 26868.3/38

reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug



Right In: -0.191+/-0.013 χ^2/NDF: 918.3/15

Left Out: -0.132+/-0.006 χ^2/NDF:2120.8/21

Right Out: -0.216+/-0.013 χ^2/NDF: 1368.1/18

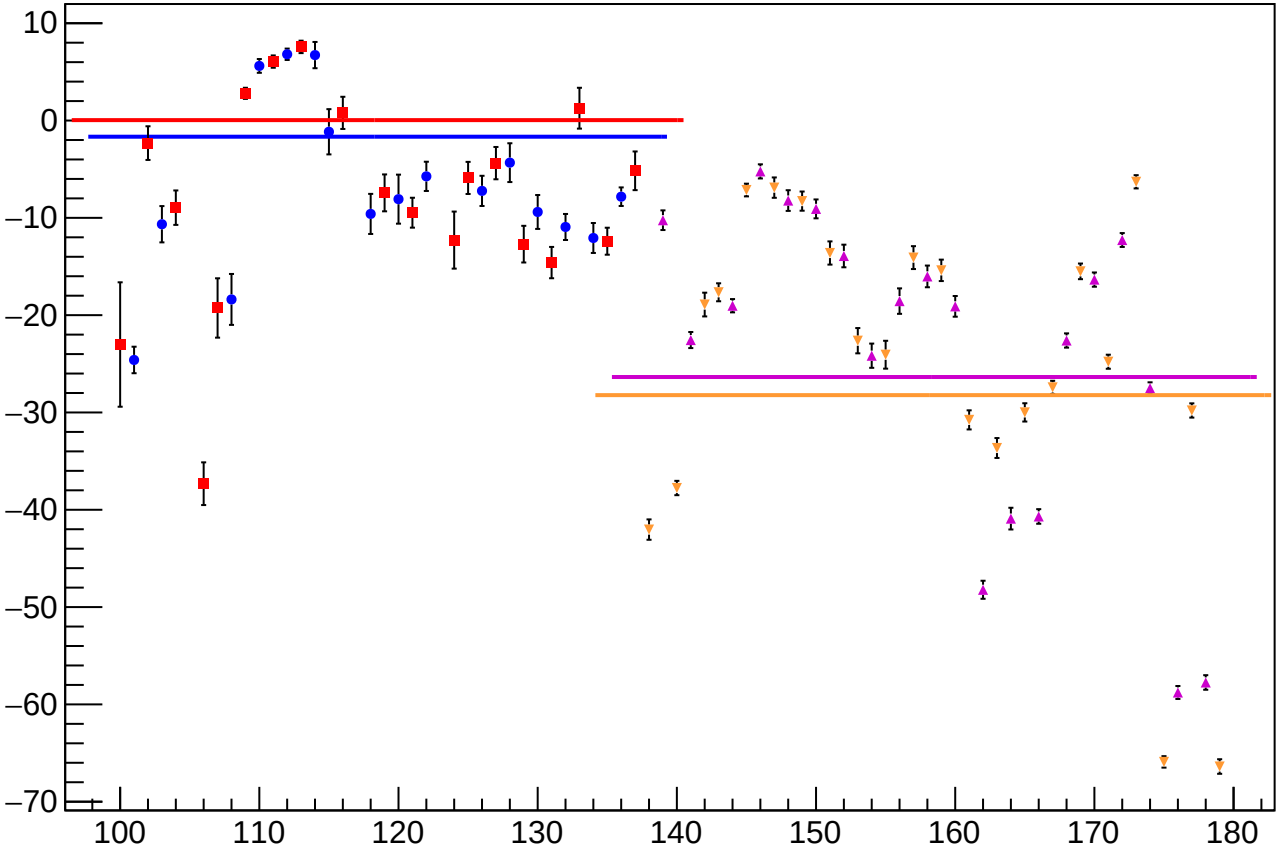
Left In: -0.094+/-0.006 χ^2/NDF:2059.6/19

+ sign -0.141+/-0.005 χ^2/NDF: 3055.4/37

All: -0.129+/-0.004 χ^2/NDF: 6567.7/76

- sign -0.116+/-0.005 χ^2/NDF: 3501.3/38

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug



Right In: -1.661+/-0.308 χ^2/NDF: 900.3/15

Left Out: -28.219+/-0.184 χ^2/NDF:10896.1/21

Right Out: 0.042+/-0.282 χ^2/NDF: 931.1/18

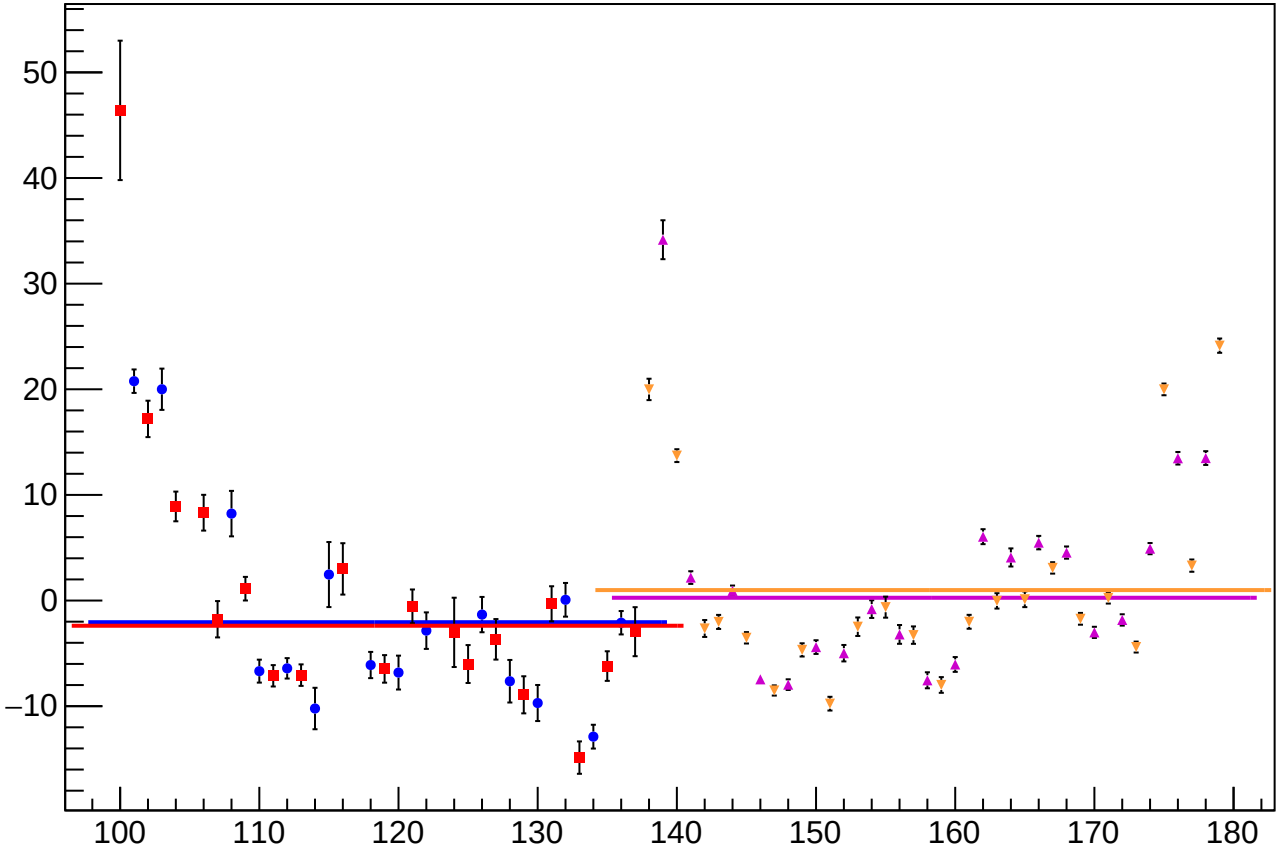
Left In: -26.357+/-0.188 χ^2/NDF:7947.3/19

+ sign -21.258+/-0.158 χ^2/NDF: 17280.1/37

All: -19.729+/-0.111 χ^2/NDF: 32412.9/76

- sign -18.226+/-0.156 χ^2/NDF: 14946.5/38

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug



Right In: -2.050+/-0.356 χ^2/NDF: 771.9/15

Left Out: 0.990+/-0.136 χ^2/NDF:4363.2/21

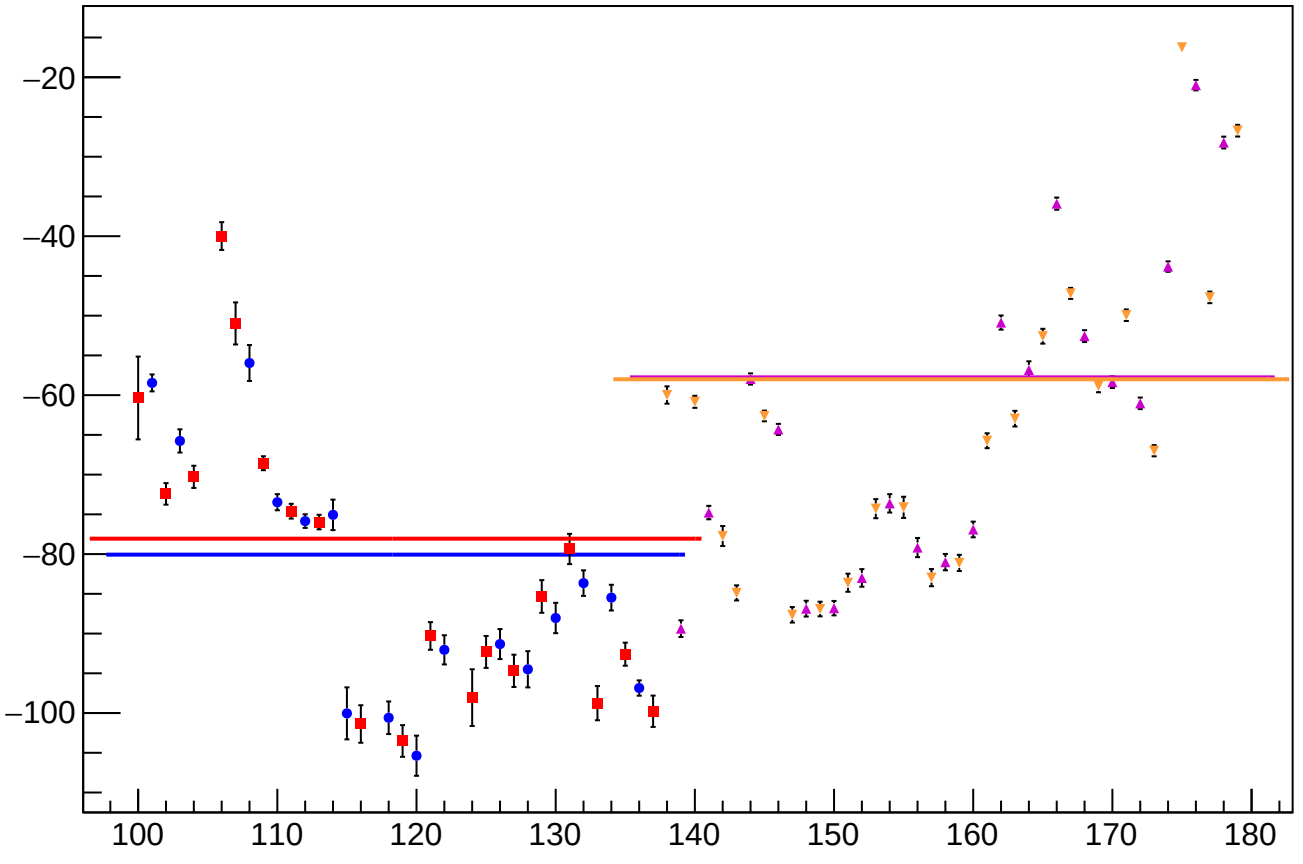
Right Out: -2.386+/-0.355 χ^2/NDF: 450.9/18

Left In: 0.264+/-0.140 χ^2/NDF:2478.5/19

+ sign 0.603+/-0.127 χ^2/NDF: 5198.6/37

All: 0.264+/-0.091 χ^2/NDF: 8190.8/76

- sign -0.090+/-0.130 χ^2/NDF: 2977.6/38



Right In: -80.069+/-0.364 χ^2/NDF: 1387.2/15

Left Out: -58.002+/-0.182 χ^2/NDF:12580.2/21

Right Out: -78.059+/-0.354 χ^2/NDF: 1561.2/18

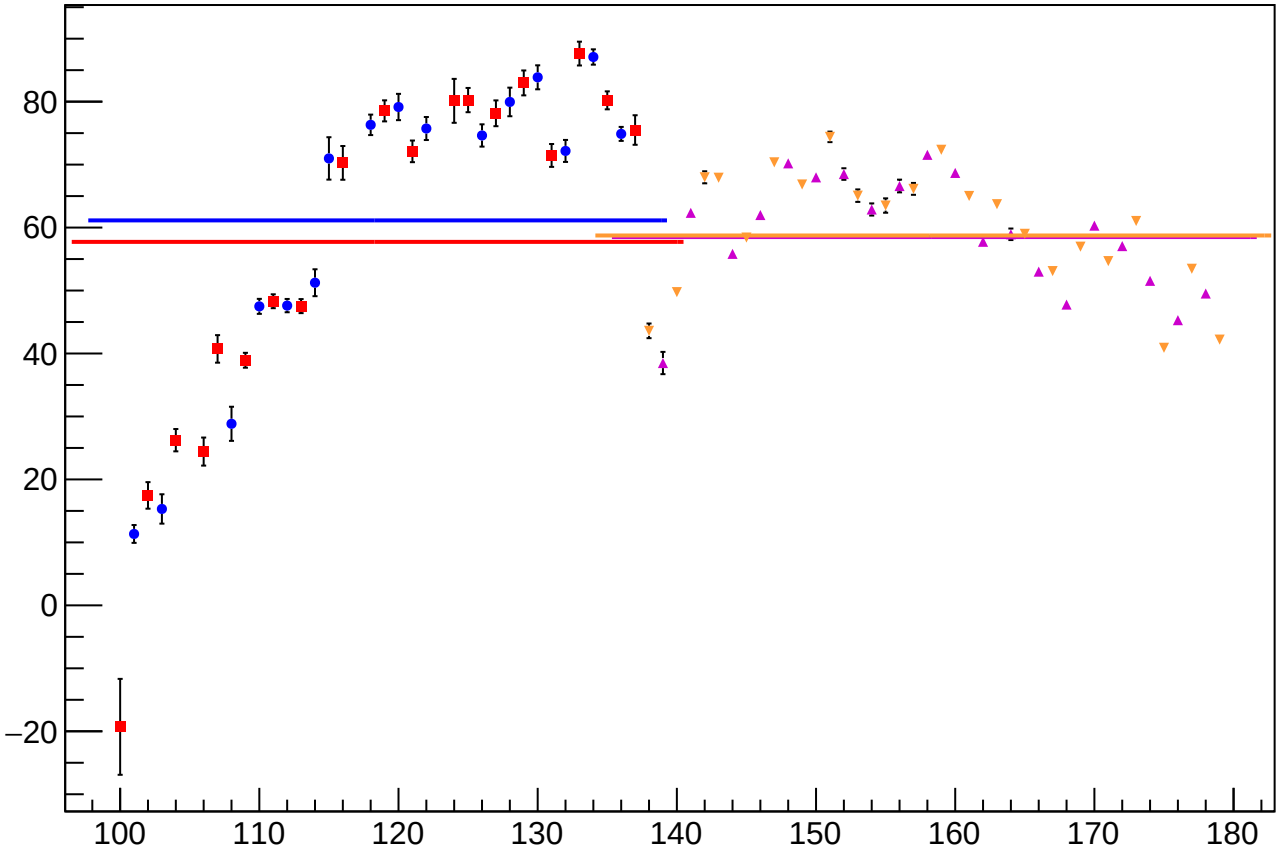
Left In: -57.763+/-0.187 χ^2/NDF:11284.3/19

\+ sign -62.423+/-0.163 χ^2/NDF: 16899.6/37

All: -62.312+/-0.116 χ^2/NDF: 32321.9/76

\- sign -62.198+/-0.165 χ^2/NDF: 15421.4/38

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug



Right In: 61.139+/-0.401 χ^2/NDF: 3229.3/15

Left Out: 58.743+/-0.154 χ^2/NDF:3548.7/21

Right Out: 57.728+/-0.400 χ^2/NDF: 2775.6/18

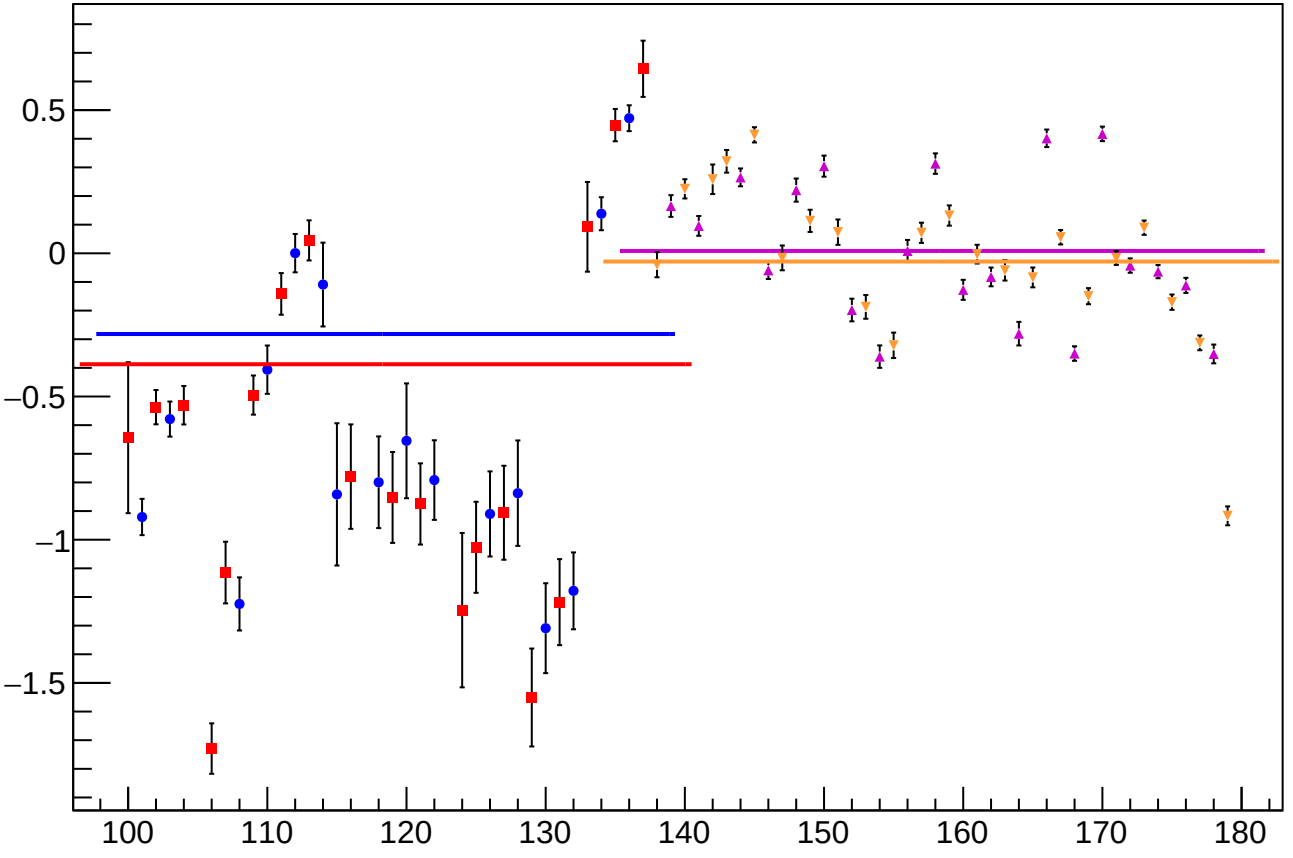
Left In: 58.493+/-0.158 χ^2/NDF:2399.5/19

\+ sign 59.051+/-0.144 χ^2/NDF: 6809.1/37

All: 58.728+/-0.103 χ^2/NDF: 11997.8/76

\- sign 58.389+/-0.147 χ^2/NDF: 5178.3/38

reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug



Right In: -0.282+/-0.022 χ^2/NDF: 728.2/15

Left Out: -0.029+/-0.007 χ^2/NDF:1478.6/21

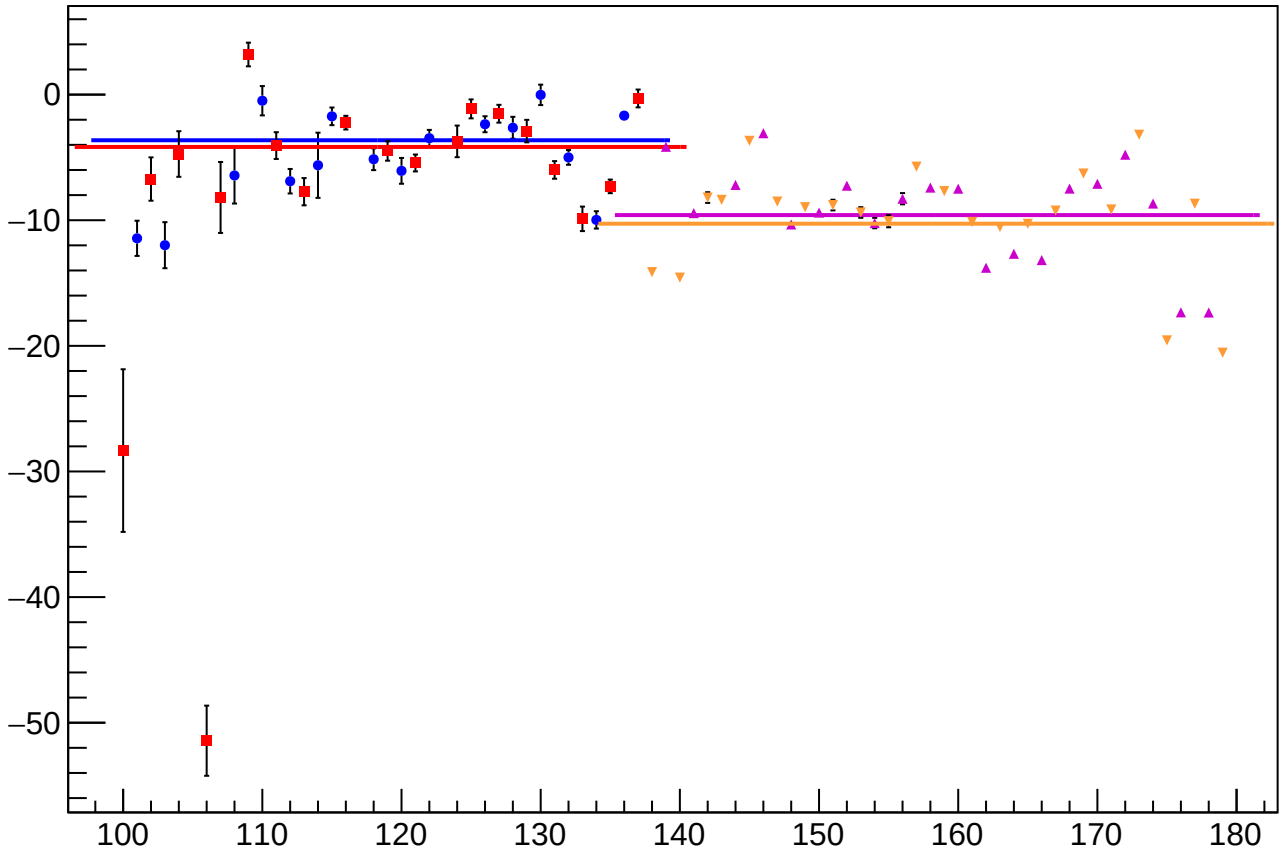
Right Out: -0.387+/-0.022 χ^2/NDF: 818.7/18

Left In: 0.008+/-0.007 χ^2/NDF:1228.9/19

+ sign -0.052+/-0.007 χ^2/NDF: 2330.9/37

All: -0.041+/-0.005 χ^2/NDF: 4680.1/76

- sign -0.029+/-0.007 χ^2/NDF: 2343.1/38



Right In: -3.634+/-0.189 χ^2/NDF: 234.8/15

Left Out: -10.277+/-0.059 χ^2/NDF:7629.8/21

Right Out: -4.167+/-0.199 χ^2/NDF: 529.7/18

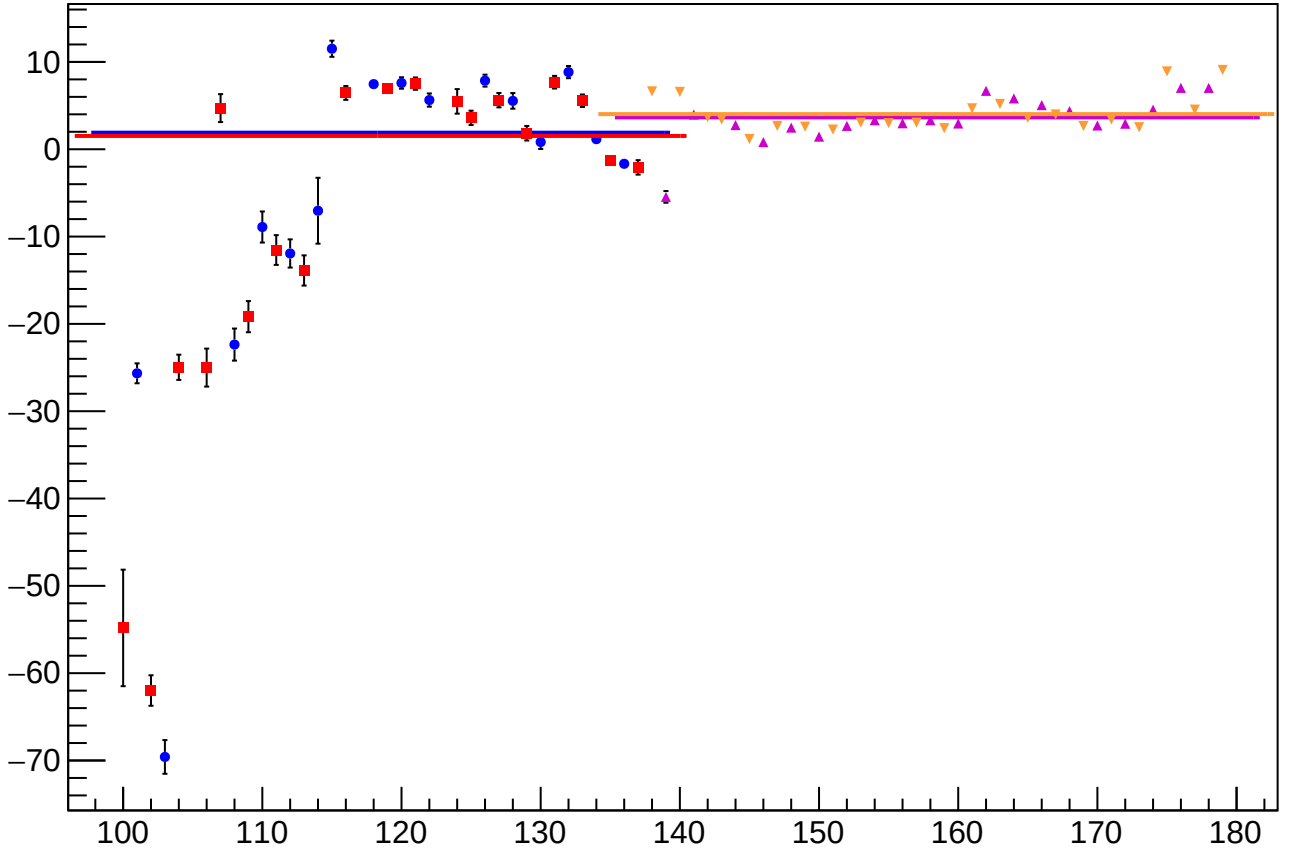
Left In: -9.591+/-0.060 χ^2/NDF:5057.6/19

+ sign -9.685+/-0.056 χ^2/NDF: 8989.4/37

All: -9.417+/-0.040 χ^2/NDF: 15300.4/76

- sign -9.137+/-0.058 χ^2/NDF: 6265.0/38

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug



Right In: 1.898+/-0.189 χ^2/NDF: 2838.2/15

Left Out: 4.025+/-0.044 χ^2/NDF:2296.9/21

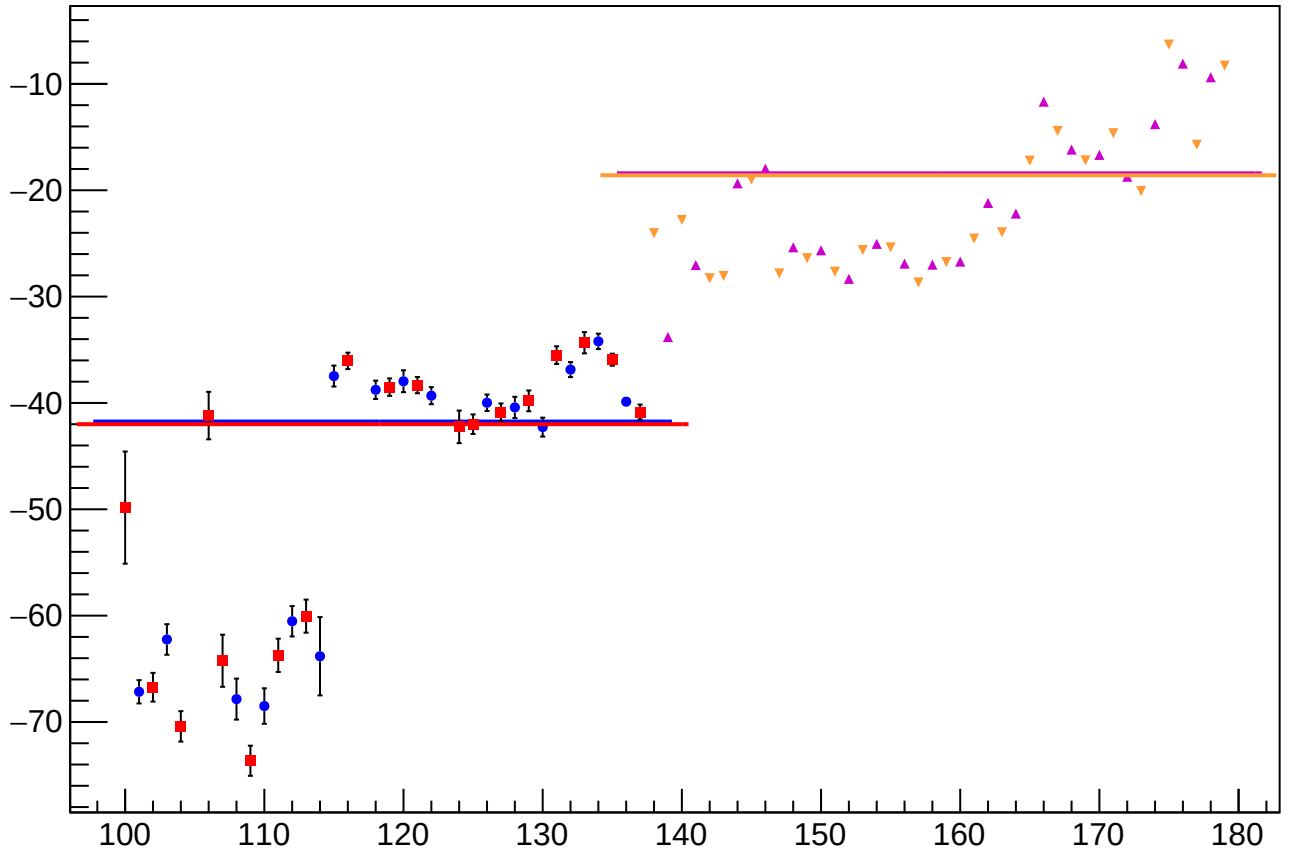
Right Out: 1.525+/-0.208 χ^2/NDF: 2559.8/18

Left In: 3.647+/-0.045 χ^2/NDF:1837.0/19

+ sign 3.915+/-0.043 χ^2/NDF: 5255.2/37

All: 3.738+/-0.031 χ^2/NDF: 9785.9/76

- sign 3.553+/-0.044 χ^2/NDF: 4496.0/38



Right In: -41.751+/-0.208 χ^2/NDF: 1633.9/15

Left Out: -18.593+/-0.059 χ^2/NDF:13639.0/21

Right Out: -41.999+/-0.228 χ^2/NDF: 1985.2/18

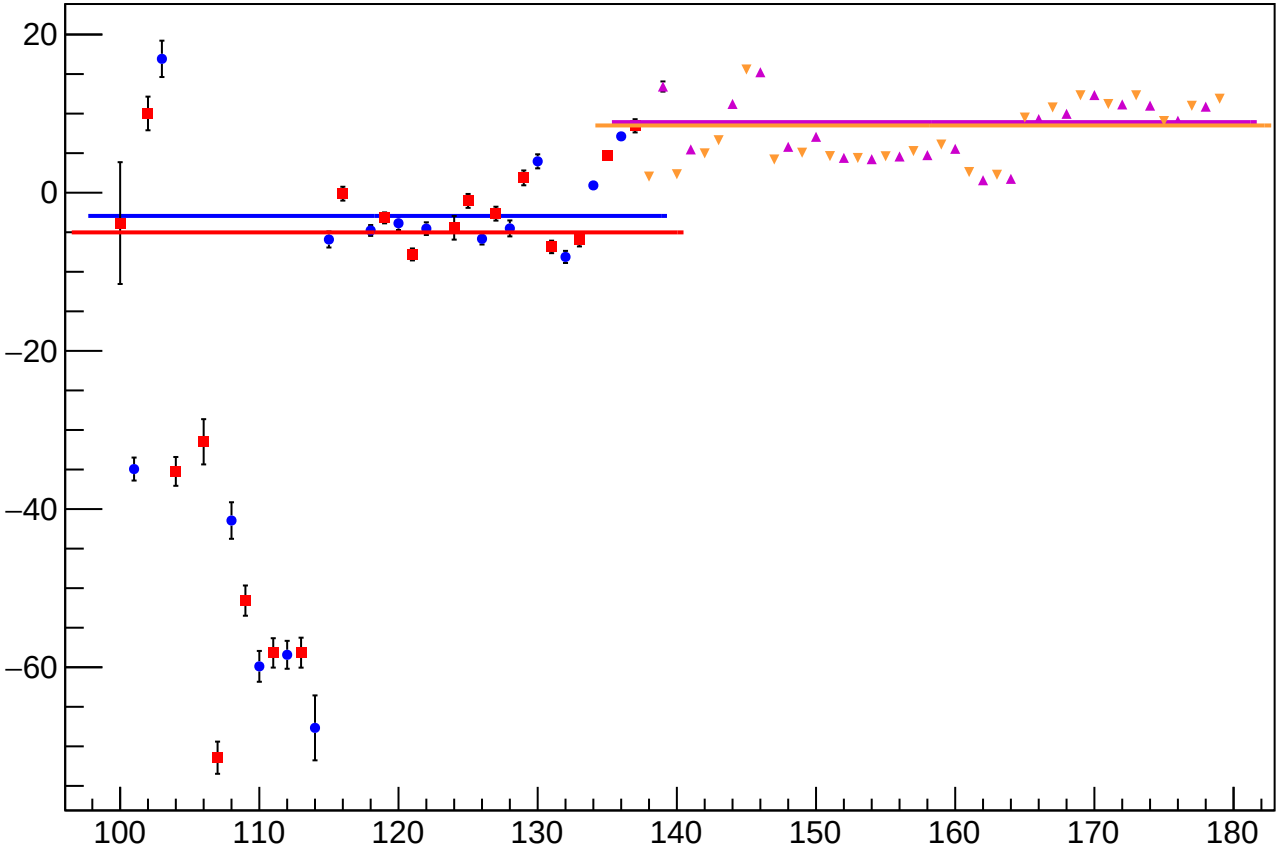
Left In: -18.408+/-0.060 χ^2/NDF:11970.9/19

+ sign -20.313+/-0.057 χ^2/NDF: 26789.1/37

All: -20.127+/-0.041 χ^2/NDF: 50758.3/76

- sign -19.932+/-0.058 χ^2/NDF: 23947.0/38

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug



Right In: -2.936+/-0.210 χ^2/NDF: 3725.6/15

Left Out: 8.501+/-0.050 χ^2/NDF:6364.8/21

Right Out: -5.018+/-0.232 χ^2/NDF: 4377.3/18

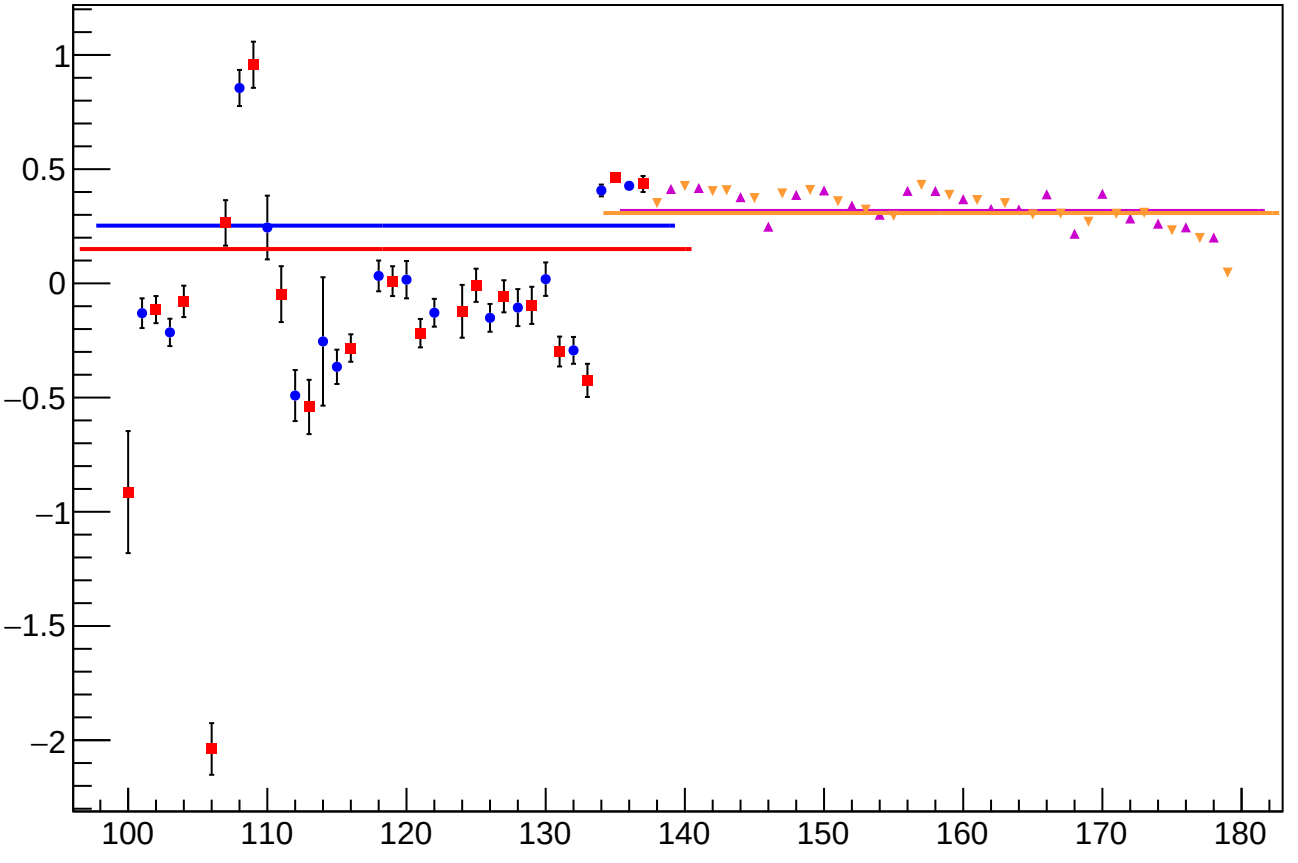
Left In: 8.925+/-0.051 χ^2/NDF:5402.5/19

+ sign 7.893+/-0.048 χ^2/NDF: 12908.1/37

All: 8.086+/-0.035 χ^2/NDF: 26173.2/76

- sign 8.288+/-0.050 χ^2/NDF: 13232.5/38

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug



Right In: 0.253+/-0.011 χ^2/NDF: 631.0/15

Left Out: 0.308+/-0.002 χ^2/NDF:1506.8/21

Right Out: 0.150+/-0.013 χ^2/NDF: 1018.0/18

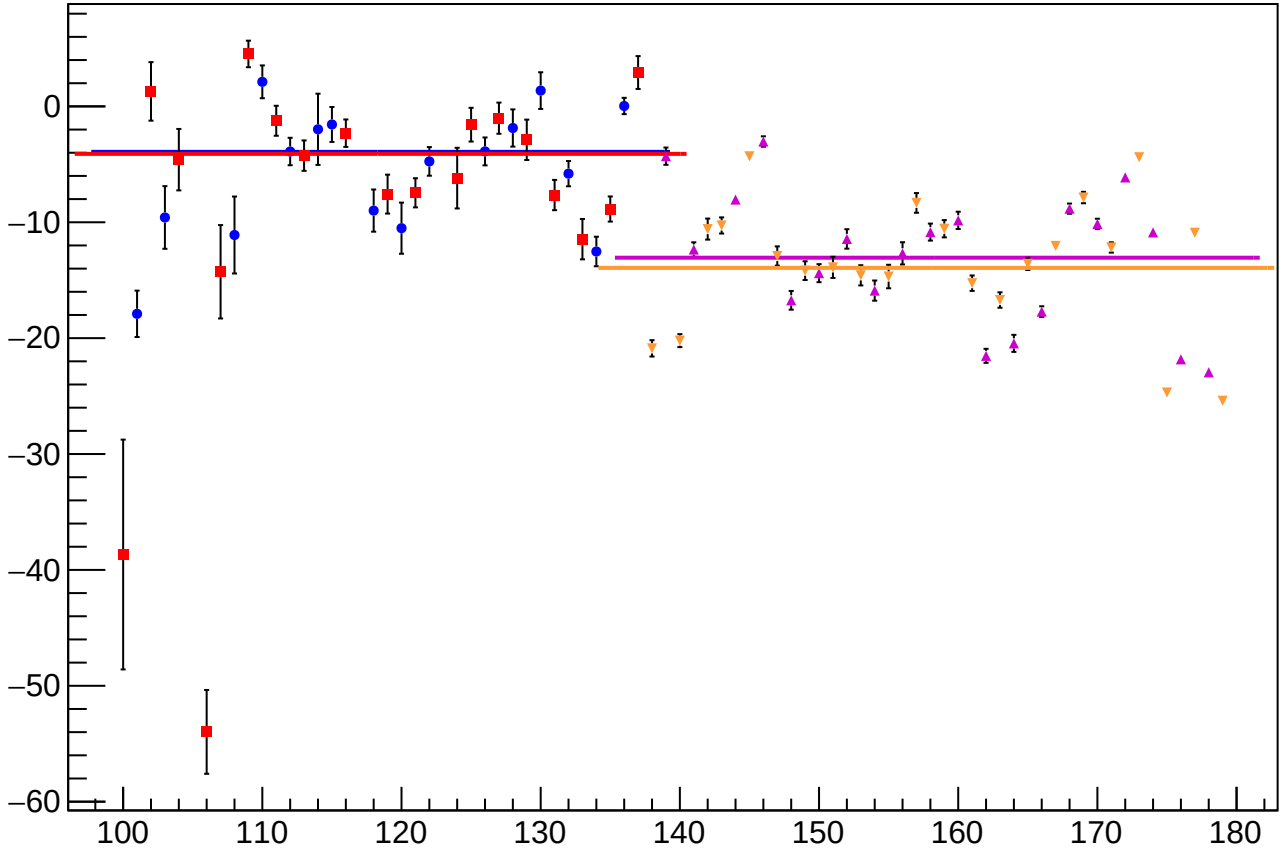
Left In: 0.317+/-0.002 χ^2/NDF:1009.2/19

+ sign 0.306+/-0.002 χ^2/NDF: 2160.0/37

All: 0.309+/-0.002 χ^2/NDF: 4343.0/76

- sign 0.312+/-0.002 χ^2/NDF: 2178.8/38

reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug



Right In: -3.924+/-0.346 χ^2/NDF: 188.8/15

Left Out: -13.935+/-0.116 χ^2/NDF:3525.7/21

Right Out: -4.096+/-0.357 χ^2/NDF: 366.9/18

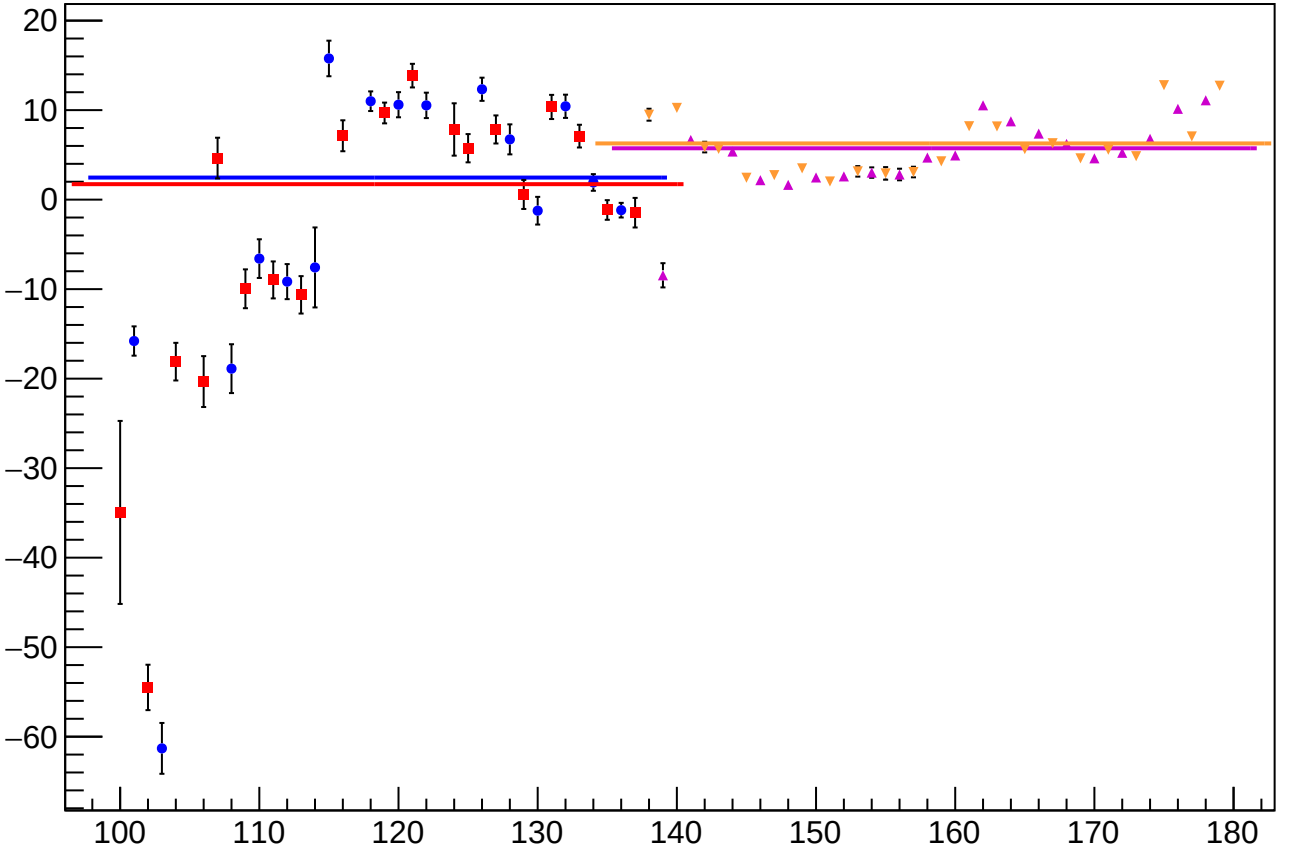
Left In: -13.059+/-0.118 χ^2/NDF:2873.6/19

+ sign -12.926+/-0.110 χ^2/NDF: 4467.2/37

All: -12.559+/-0.078 χ^2/NDF: 8299.3/76

- sign -12.179+/-0.112 χ^2/NDF: 3809.4/38

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug



Right In: 2.465+/-0.357 χ^2/NDF: 1046.7/15

Left Out: 6.279+/-0.088 χ^2/NDF:1352.5/21

Right Out: 1.728+/-0.386 χ^2/NDF: 983.1/18

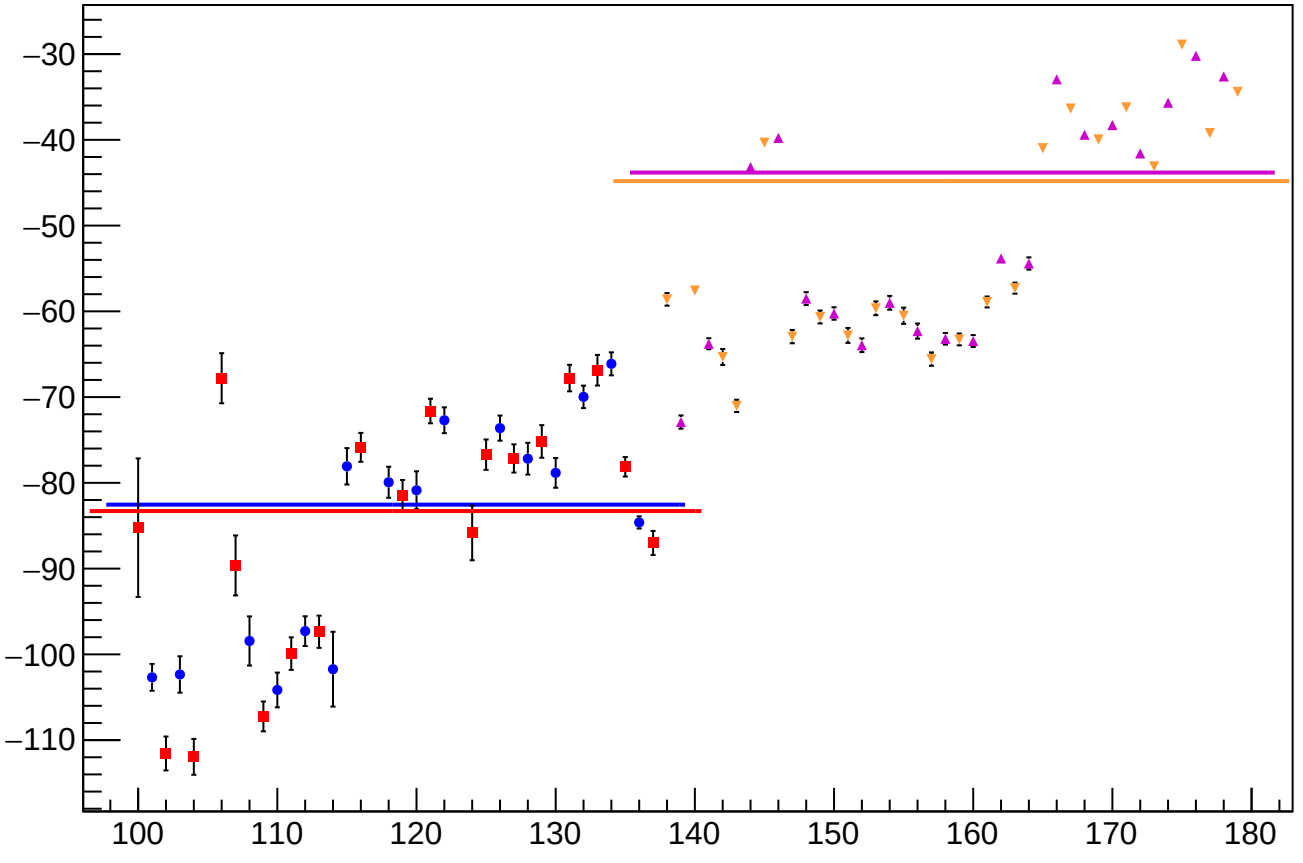
Left In: 5.736+/-0.089 χ^2/NDF:1150.9/19

+ sign 6.062+/-0.085 χ^2/NDF: 2507.0/37

All: 5.803+/-0.061 χ^2/NDF: 4762.2/76

- sign 5.536+/-0.086 χ^2/NDF: 2236.4/38

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug



Right In: -82.542+/-0.384 χ^2/NDF: 838.8/15

Left Out: -44.813+/-0.115 χ^2/NDF:11079.5/21

Right Out: -83.290+/-0.414 χ^2/NDF: 1092.6/18

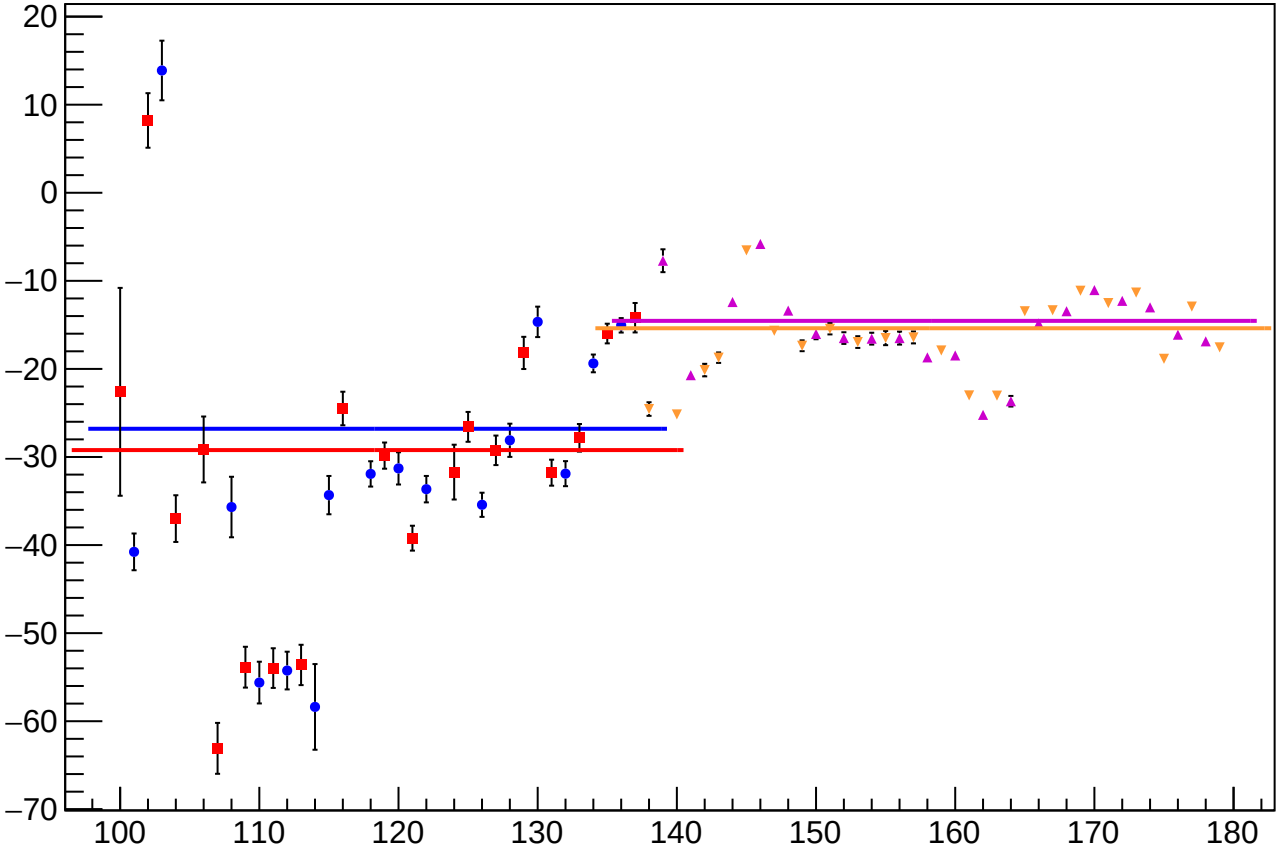
Left In: -43.815+/-0.117 χ^2/NDF:10359.5/19

+ sign -47.937+/-0.111 χ^2/NDF: 20758.0/37

All: -47.358+/-0.079 χ^2/NDF: 40670.9/76

- sign -46.753+/-0.113 χ^2/NDF: 19856.8/38

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug



Right In: -26.796+/-0.396 χ^2/NDF: 963.5/15

Left Out: -15.383+/-0.098 χ^2/NDF:2209.8/21

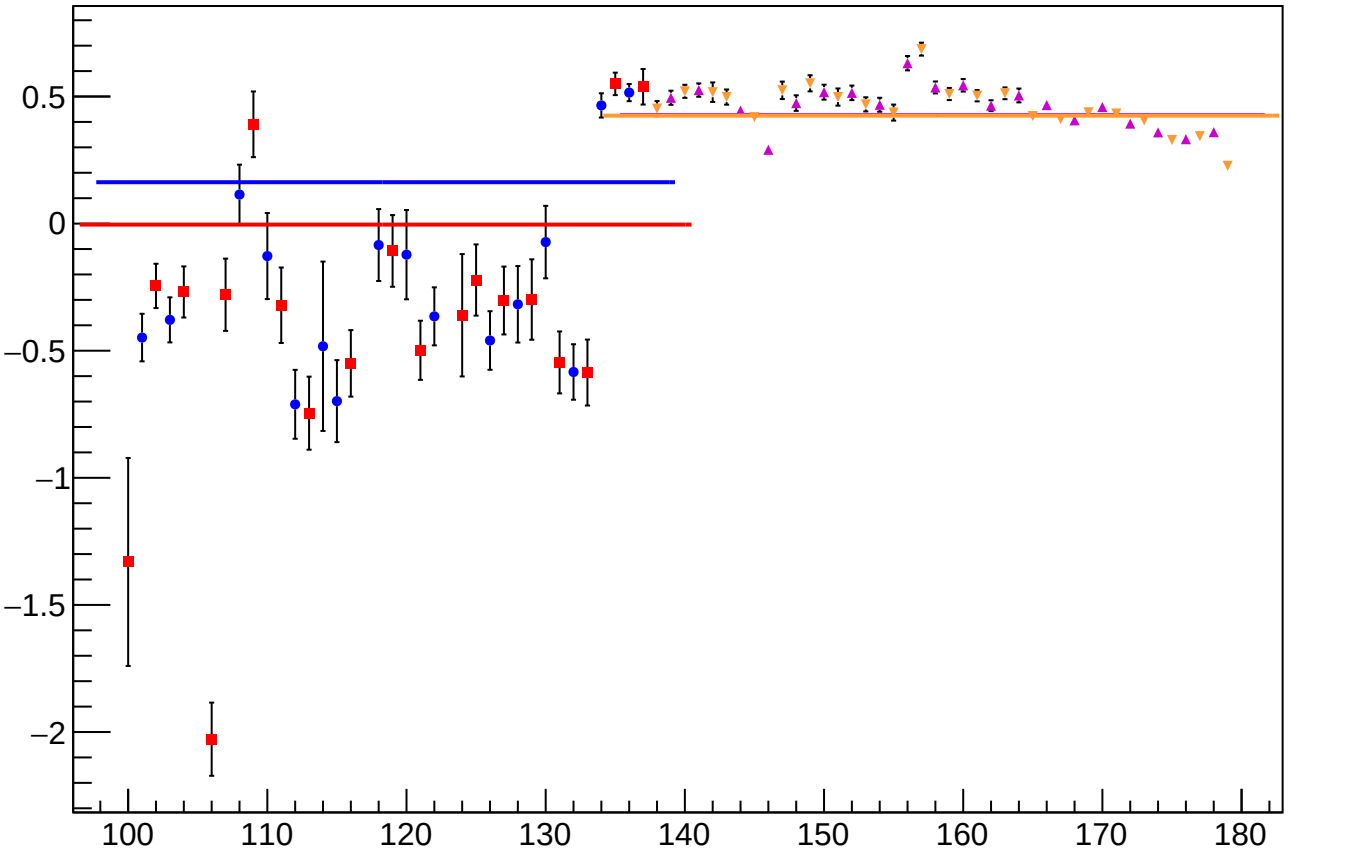
Right Out: -29.216+/-0.431 χ^2/NDF: 960.7/18

Left In: -14.544+/-0.100 χ^2/NDF:1994.8/19

\+ sign -16.045+/-0.095 χ^2/NDF: 3957.3/37

All: -15.673+/-0.068 χ^2/NDF: 8043.4/76

\- sign -15.288+/-0.097 χ^2/NDF: 4055.0/38



Right In: 0.163+/-0.021 χ^2/NDF: 422.6/15

Left Out: 0.425+/-0.004 χ^2/NDF:405.7/21

Right Out: -0.004+/-0.024 χ^2/NDF: 573.3/18

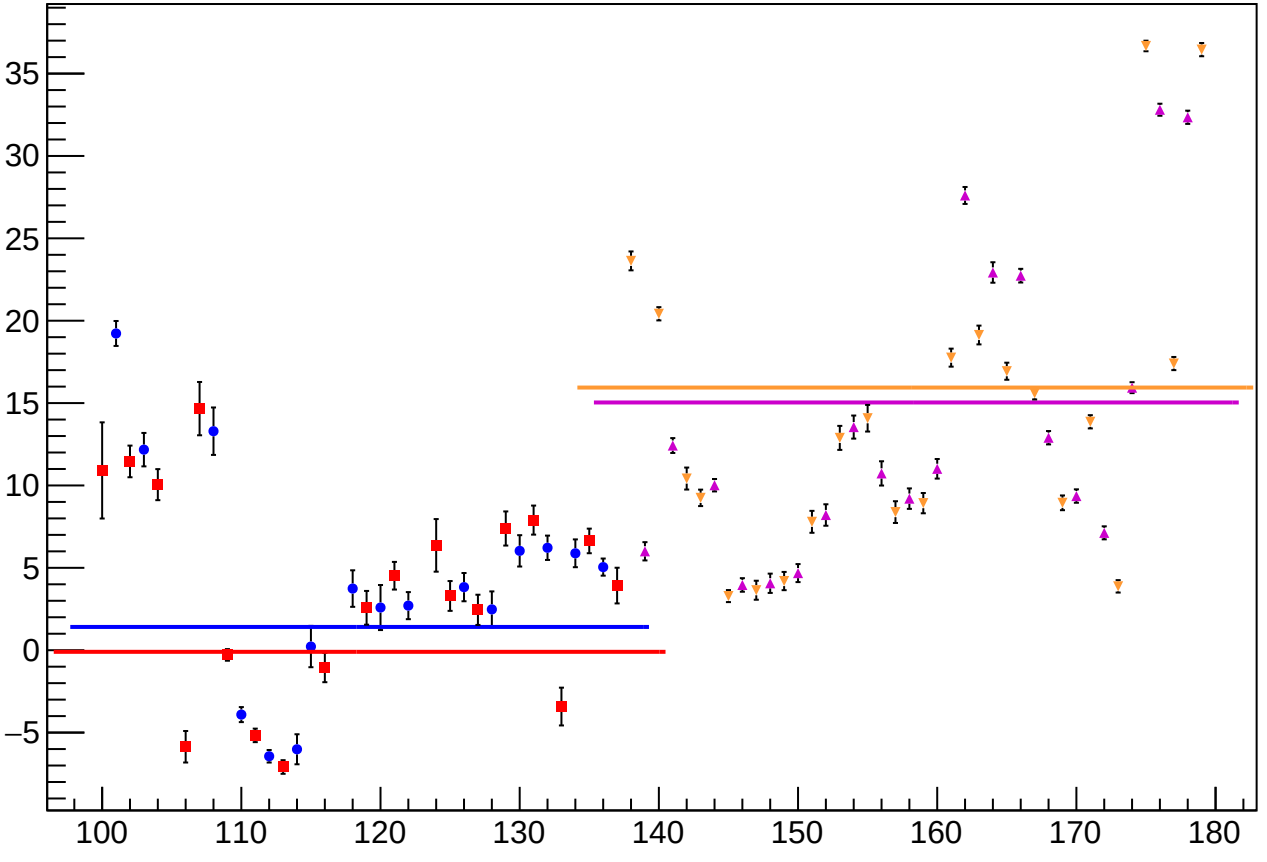
Left In: 0.427+/-0.004 χ^2/NDF:301.3/19

+ sign 0.414+/-0.004 χ^2/NDF: 972.0/37

All: 0.414+/-0.003 χ^2/NDF: 2148.4/76

- sign 0.413+/-0.004 χ^2/NDF: 1176.4/38

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug



Right In: 1.412+/-0.183 χ^2/NDF: 1522.1/15

Left Out: 15.943+/-0.101 χ^2/NDF:11203.9/21

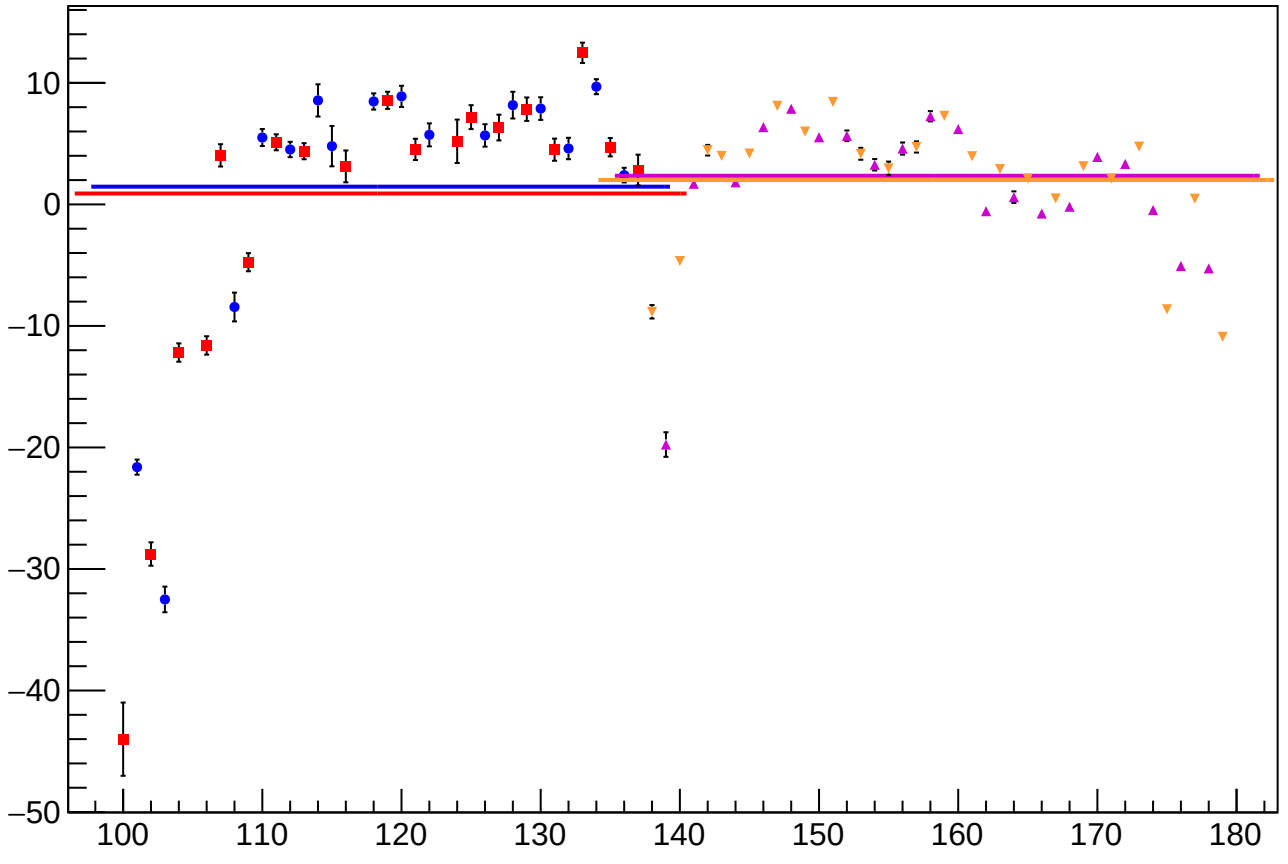
Right Out: -0.098+/-0.167 χ^2/NDF: 1147.2/18

Left In: 15.037+/-0.104 χ^2/NDF:8144.7/19

+ sign 12.536+/-0.089 χ^2/NDF: 17547.7/37

All: 11.676+/-0.063 χ^2/NDF: 32925.2/76

- sign 10.821+/-0.088 χ^2/NDF: 15189.7/38



Right In: 1.459+/-0.203 χ^2/NDF: 3080.3/15

Left Out: 2.010+/-0.075 χ^2/NDF:4767.5/21

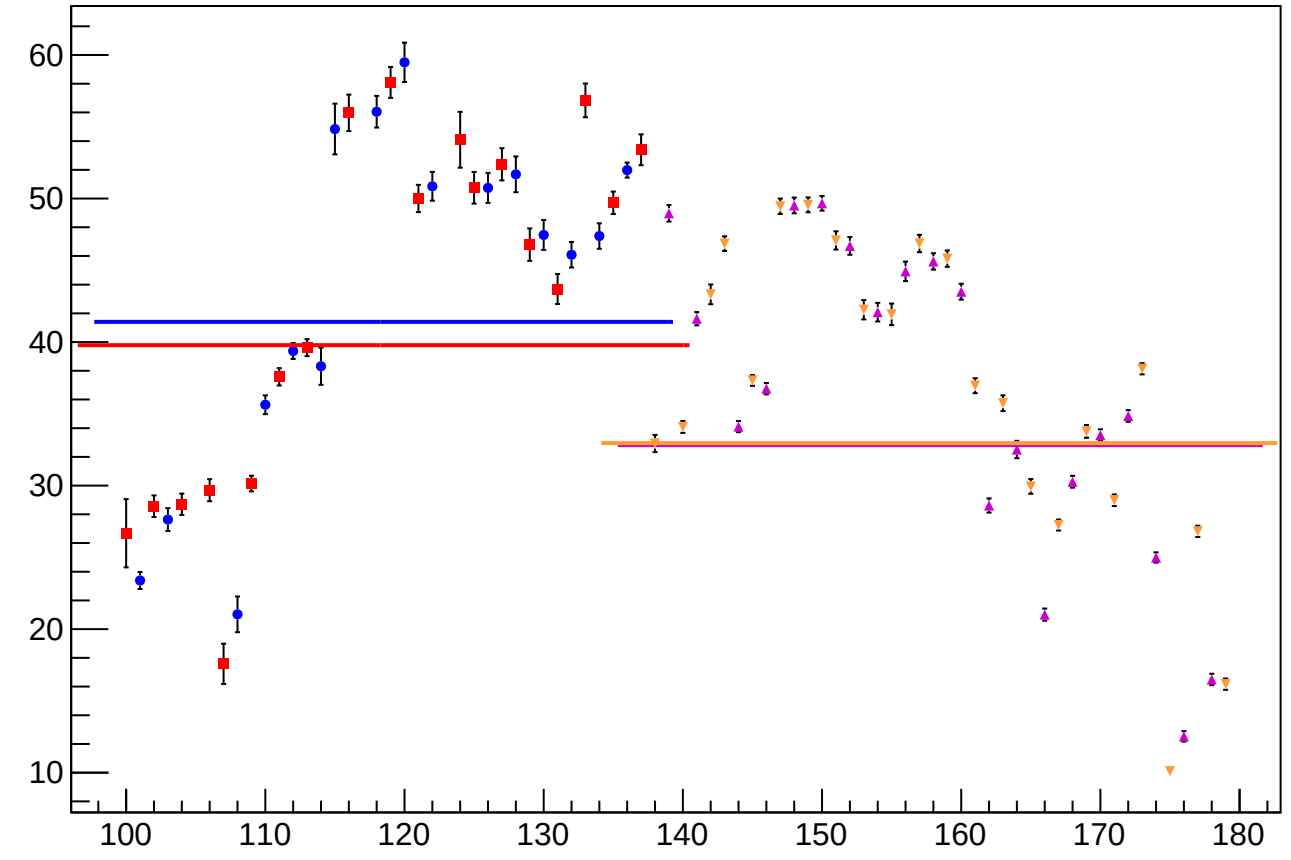
Right Out: 0.896+/-0.202 χ^2/NDF: 2377.1/18

Left In: 2.357+/-0.077 χ^2/NDF:2877.0/19

+ sign 1.943+/-0.071 χ^2/NDF: 7854.2/37

All: 2.055+/-0.050 χ^2/NDF: 13159.0/76

- sign 2.171+/-0.072 χ^2/NDF: 5299.7/38



Right In: 41.407+/-0.211 χ^2/NDF: 2746.0/15

Left Out: 32.961+/-0.101 χ^2/NDF:12638.8/21

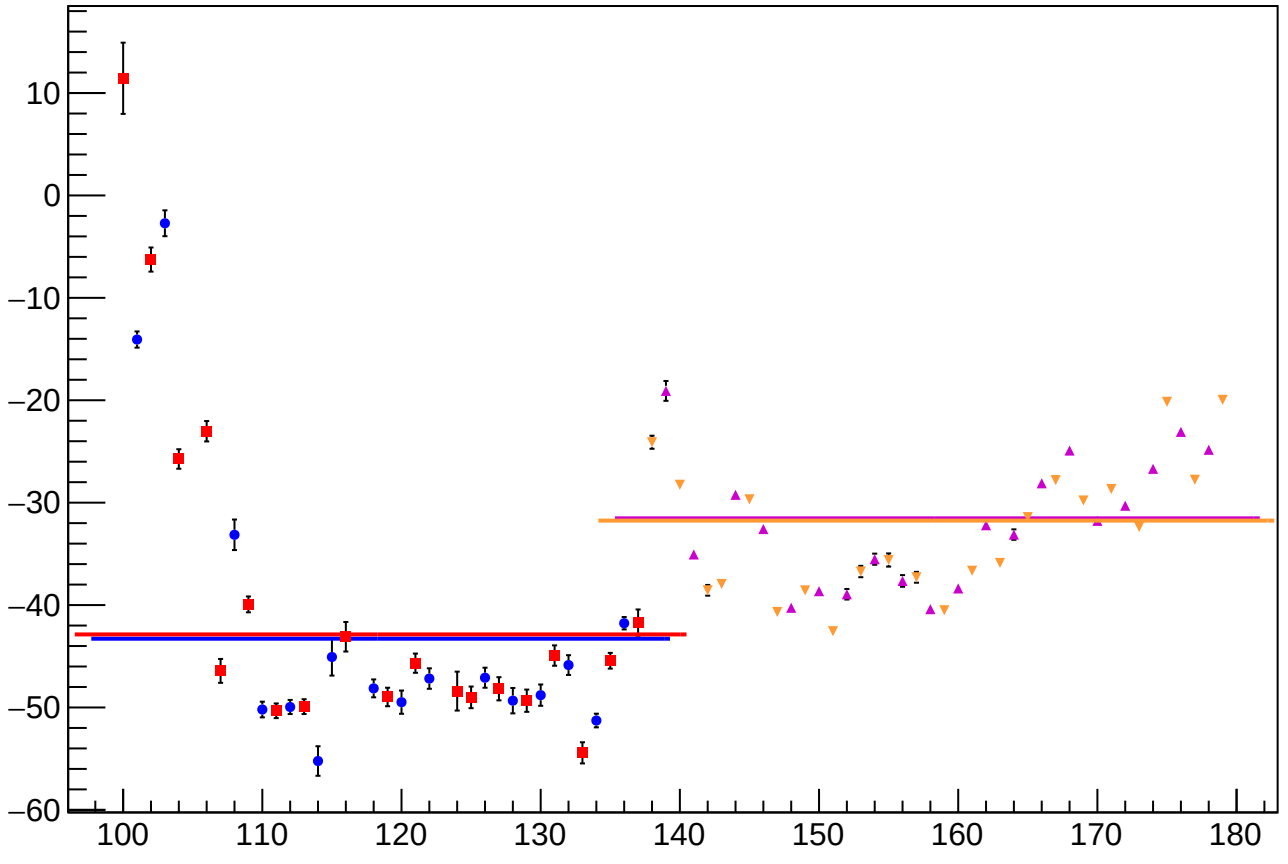
Right Out: 39.784+/-0.203 χ^2/NDF: 2653.8/18

Left In: 32.822+/-0.103 χ^2/NDF:11399.5/19

+ sign 34.532+/-0.091 χ^2/NDF: 16693.7/37

All: 34.397+/-0.065 χ^2/NDF: 31686.2/76

- sign 34.258+/-0.092 χ^2/NDF: 14988.0/38



Right In: -43.285+/-0.229 χ^2/NDF: 2985.2/15

Left Out: -31.751+/-0.085 χ^2/NDF:5540.6/21

Right Out: -42.867+/-0.229 χ^2/NDF: 2454.2/18

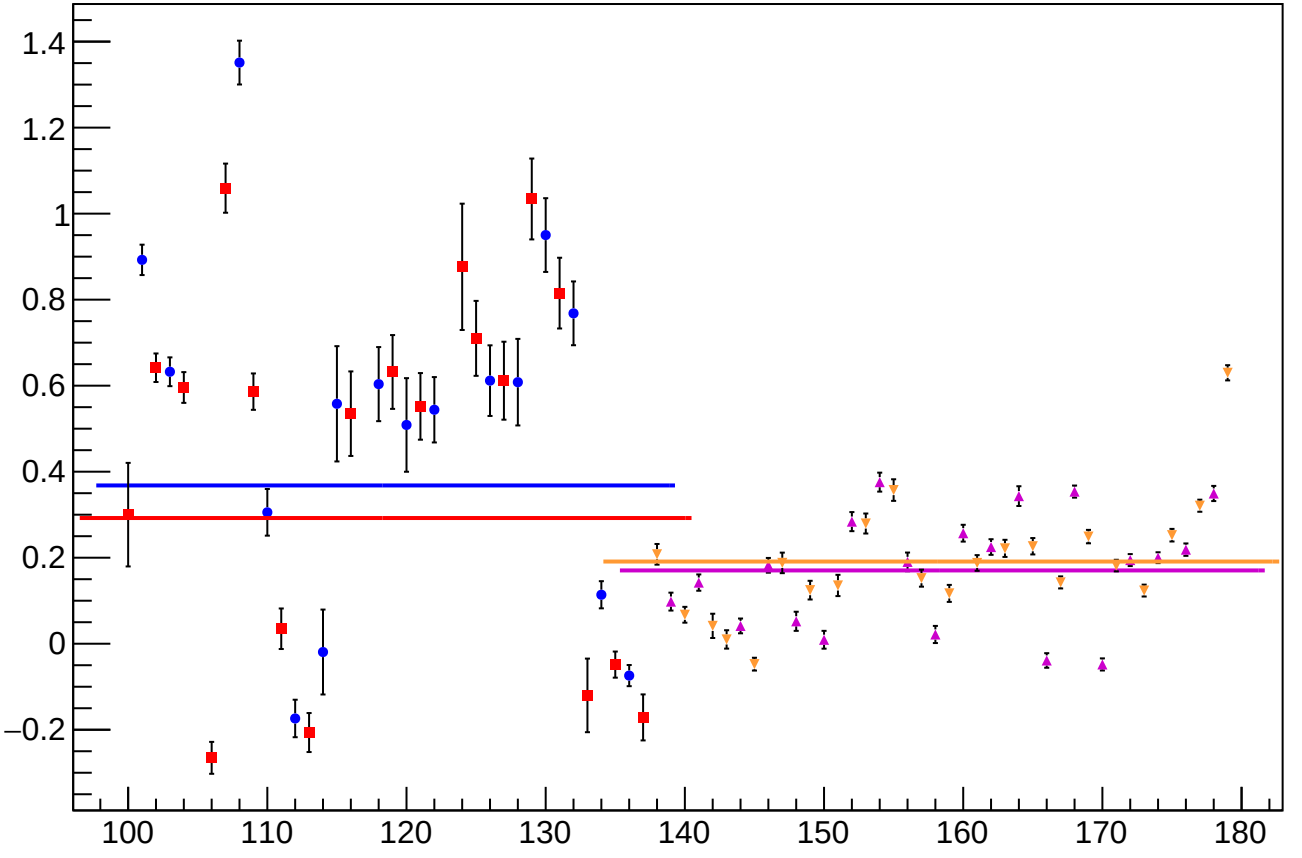
Left In: -31.531+/-0.087 χ^2/NDF:3727.8/19

+ sign -33.149+/-0.080 χ^2/NDF: 10748.8/37

All: -33.064+/-0.057 χ^2/NDF: 19071.0/76

- sign -32.974+/-0.082 χ^2/NDF: 8319.9/38

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.368+/-0.012 χ^2/NDF: 1320.9/15

Left Out: 0.191+/-0.004 χ^2/NDF:1266.2/21

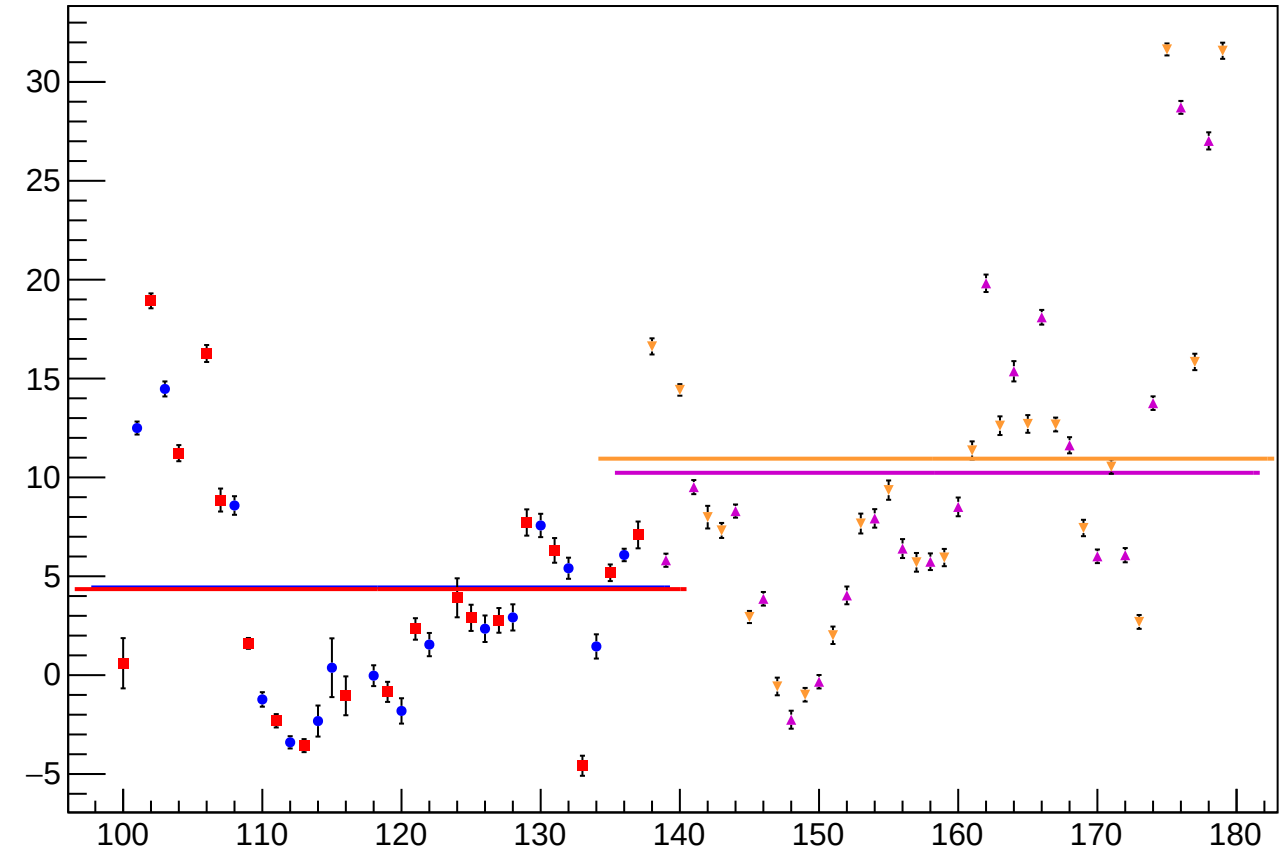
Right Out: 0.292+/-0.012 χ^2/NDF: 1199.2/18

Left In: 0.170+/-0.004 χ^2/NDF:1100.2/19

+ sign 0.207+/-0.004 χ^2/NDF: 2778.4/37

All: 0.195+/-0.003 χ^2/NDF: 5192.9/76

- sign 0.182+/-0.004 χ^2/NDF: 2391.3/38



Right In: 4.435+/-0.117 χ^2/NDF: 2622.0/15

Left Out: 10.948+/-0.084 χ^2/NDF:11725.7/21

Right Out: 4.351+/-0.109 χ^2/NDF: 4205.3/18

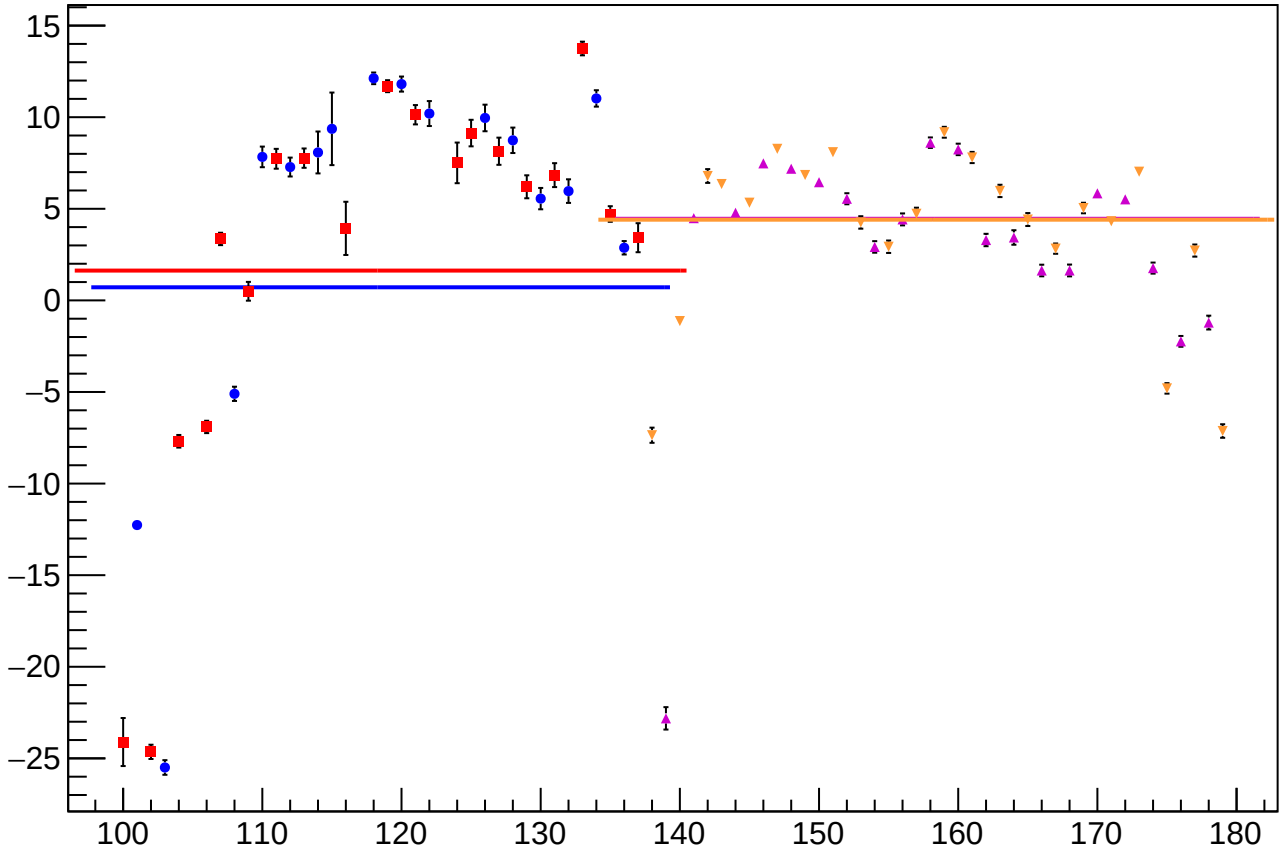
Left In: 10.233+/-0.087 χ^2/NDF:8808.0/19

+ sign 8.729+/-0.068 χ^2/NDF: 16392.1/37

All: 8.341+/-0.048 χ^2/NDF: 31252.0/76

- sign 7.957+/-0.068 χ^2/NDF: 14795.8/38

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug



Right In: 0.715+/-0.116 χ^2/NDF: 10454.0/15

Left Out: 4.405+/-0.061 χ^2/NDF:4699.6/21

Right Out: 1.627+/-0.111 χ^2/NDF: 9255.5/18

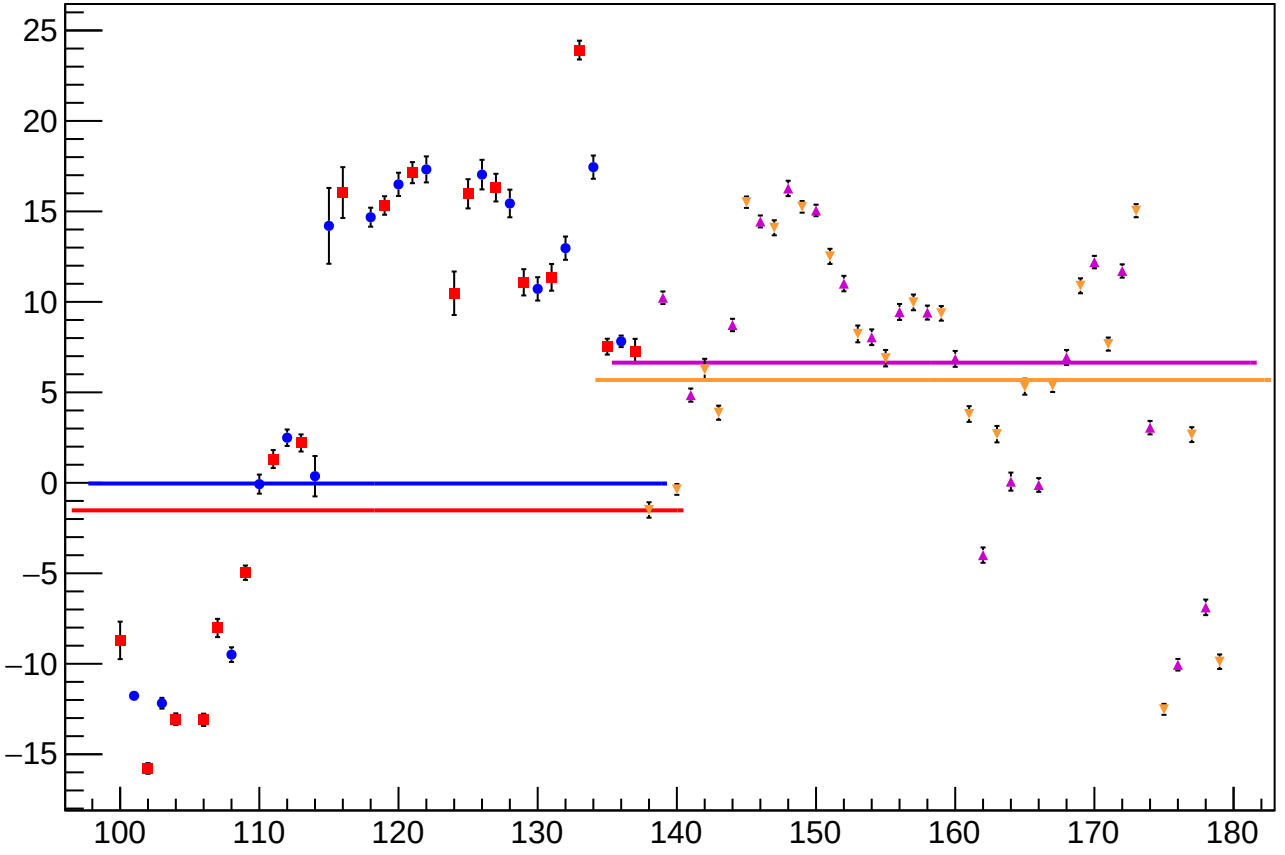
Left In: 4.455+/-0.064 χ^2/NDF:3858.3/19

+ sign 3.595+/-0.054 χ^2/NDF: 15944.4/37

All: 3.669+/-0.039 χ^2/NDF: 29548.1/76

- sign 3.746+/-0.056 χ^2/NDF: 13600.0/38

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug



Right In: -0.038+/-0.119 χ^2/NDF: 9274.3/15

Left Out: 5.683+/-0.083 χ^2/NDF:9530.3/21

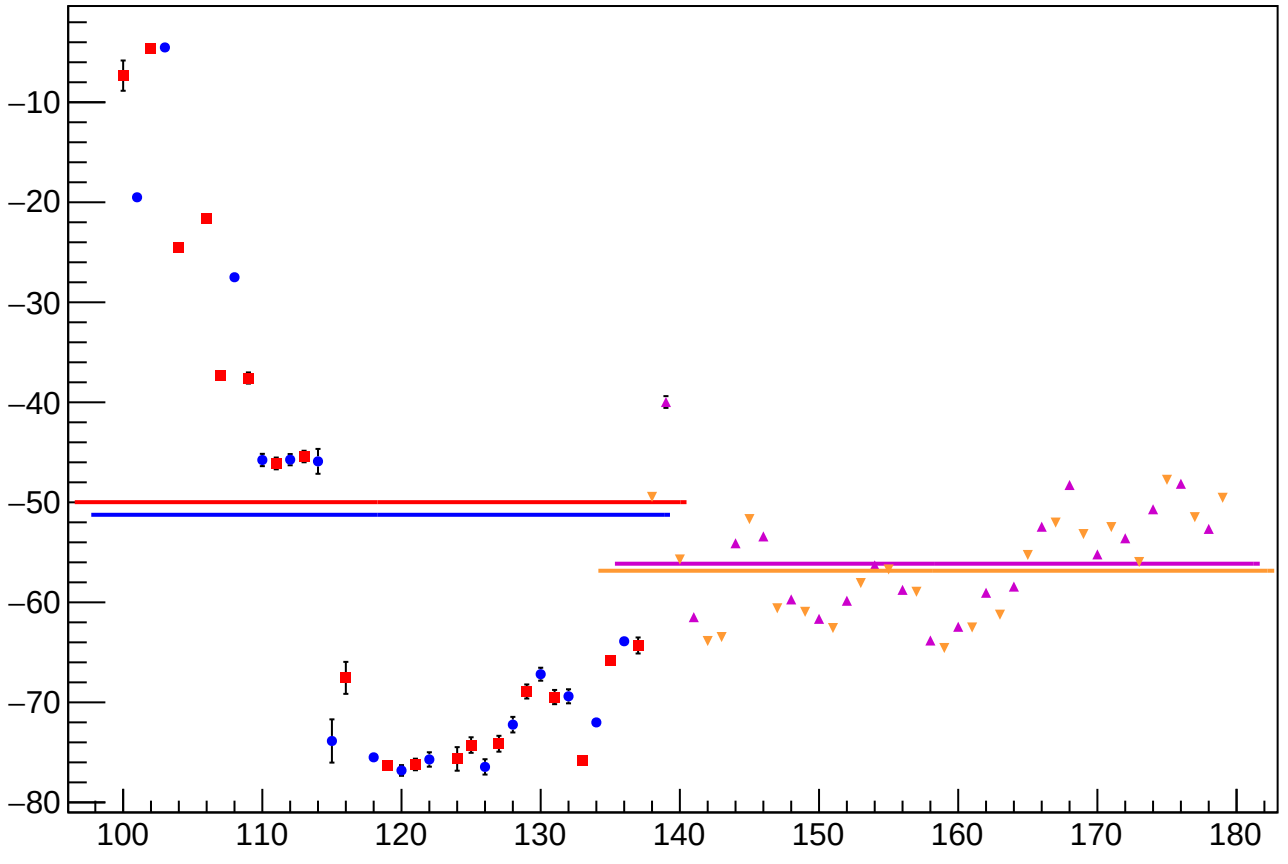
Right Out: -1.521+/-0.115 χ^2/NDF: 12130.2/18

Left In: 6.642+/-0.085 χ^2/NDF:7479.8/19

+ sign 3.816+/-0.068 χ^2/NDF: 20352.4/37

All: 3.778+/-0.048 χ^2/NDF: 43205.2/76

- sign 3.739+/-0.069 χ^2/NDF: 22852.1/38



Right In: -51.246+/-0.136 χ^2/NDF: 33765.2/15

Left Out: -56.840+/-0.070 χ^2/NDF:5185.4/21

Right Out: -49.983+/-0.131 χ^2/NDF: 33892.5/18

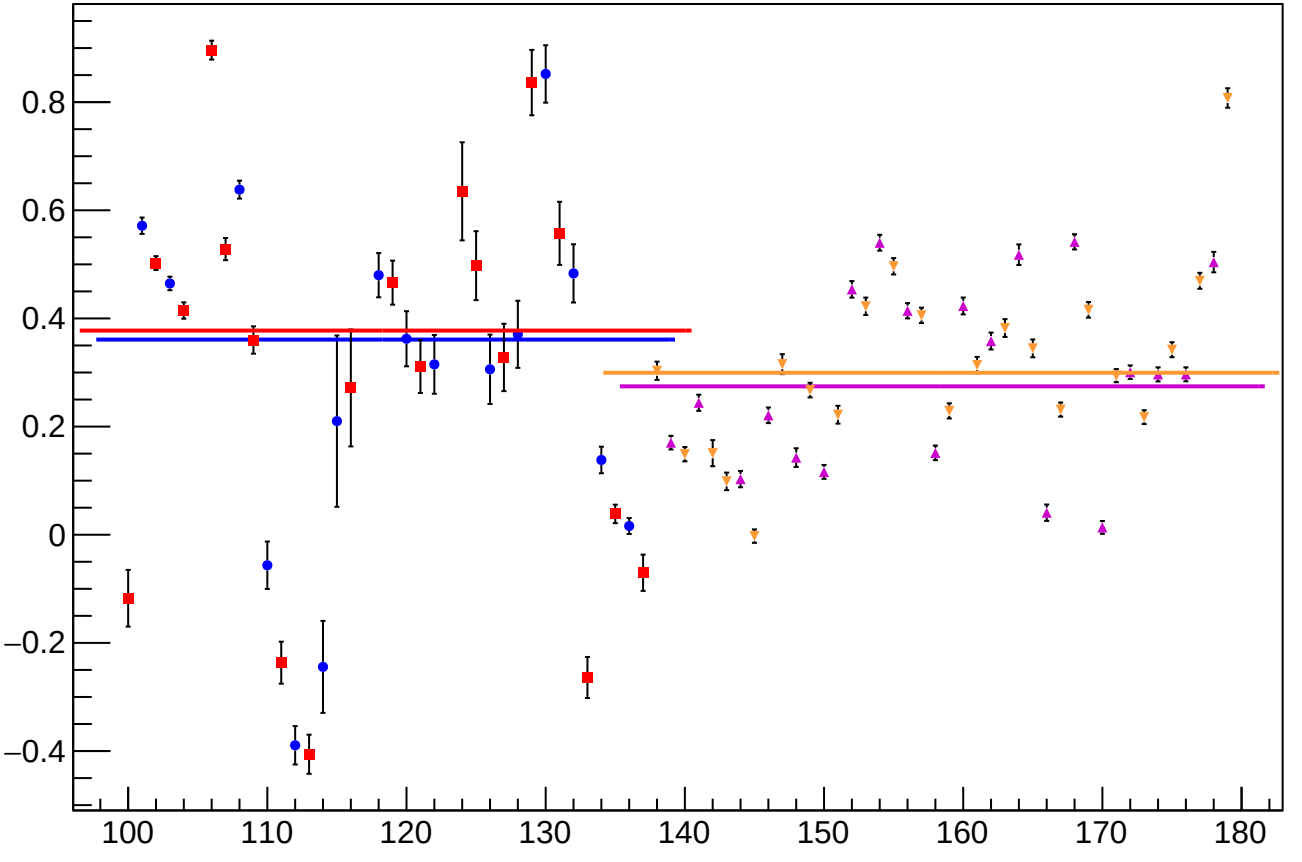
Left In: -56.136+/-0.073 χ^2/NDF:4690.0/19

+ sign -55.660+/-0.062 χ^2/NDF: 40290.3/37

All: -55.179+/-0.045 χ^2/NDF: 80686.0/76

- sign -54.678+/-0.064 χ^2/NDF: 40274.1/38

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.361+/-0.006 χ^2/NDF: 1860.0/15

Left Out: 0.300+/-0.003 χ^2/NDF:2350.3/21

Right Out: 0.378+/-0.006 χ^2/NDF: 2790.5/18

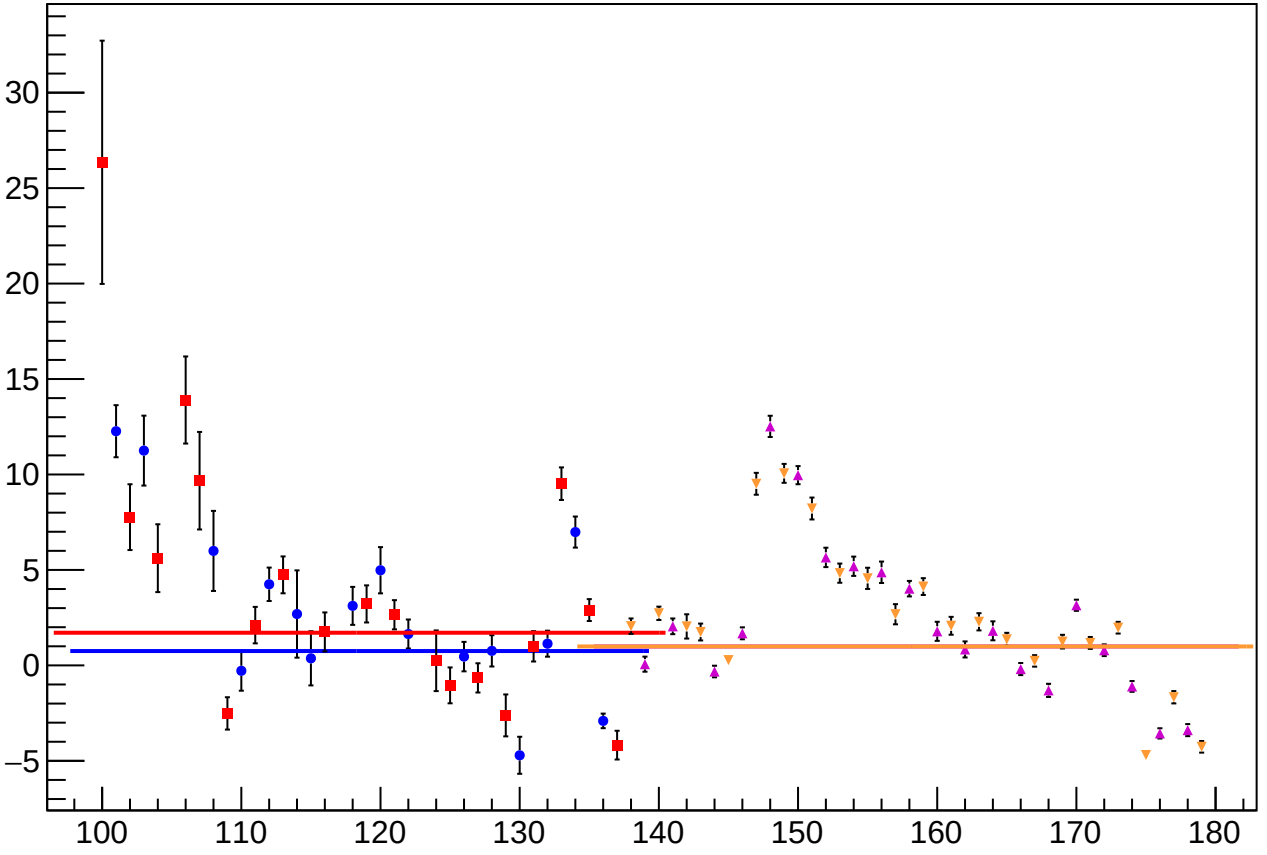
Left In: 0.274+/-0.003 χ^2/NDF:2587.8/19

+ sign 0.312+/-0.003 χ^2/NDF: 4284.8/37

All: 0.304+/-0.002 χ^2/NDF: 9900.4/76

- sign 0.297+/-0.003 χ^2/NDF: 5601.5/38

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug



Right In: 0.752+/-0.212 χ^2/NDF: 330.1/15

Left Out: 0.991+/-0.080 χ^2/NDF:1823.1/21

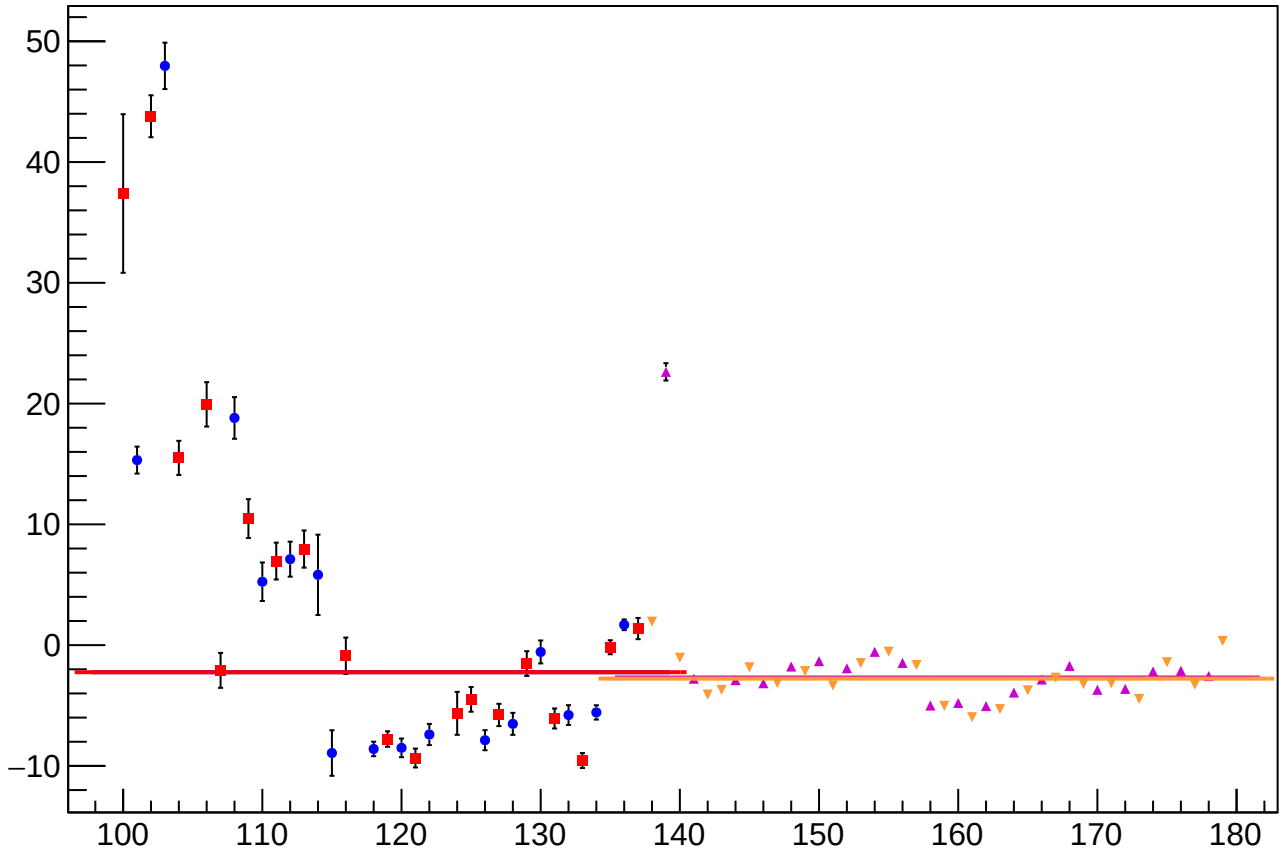
Right Out: 1.710+/-0.223 χ^2/NDF: 293.8/18

Left In: 0.991+/-0.082 χ^2/NDF:1731.3/19

+ sign 0.961+/-0.075 χ^2/NDF: 2154.3/37

All: 1.017+/-0.054 χ^2/NDF: 4189.8/76

- sign 1.077+/-0.077 χ^2/NDF: 2034.3/38



Right In: -2.245+/-0.215 χ^2/NDF: 1572.5/15

Left Out: -2.771+/-0.060 χ^2/NDF:742.8/21

Right Out: -2.242+/-0.229 χ^2/NDF: 1555.6/18

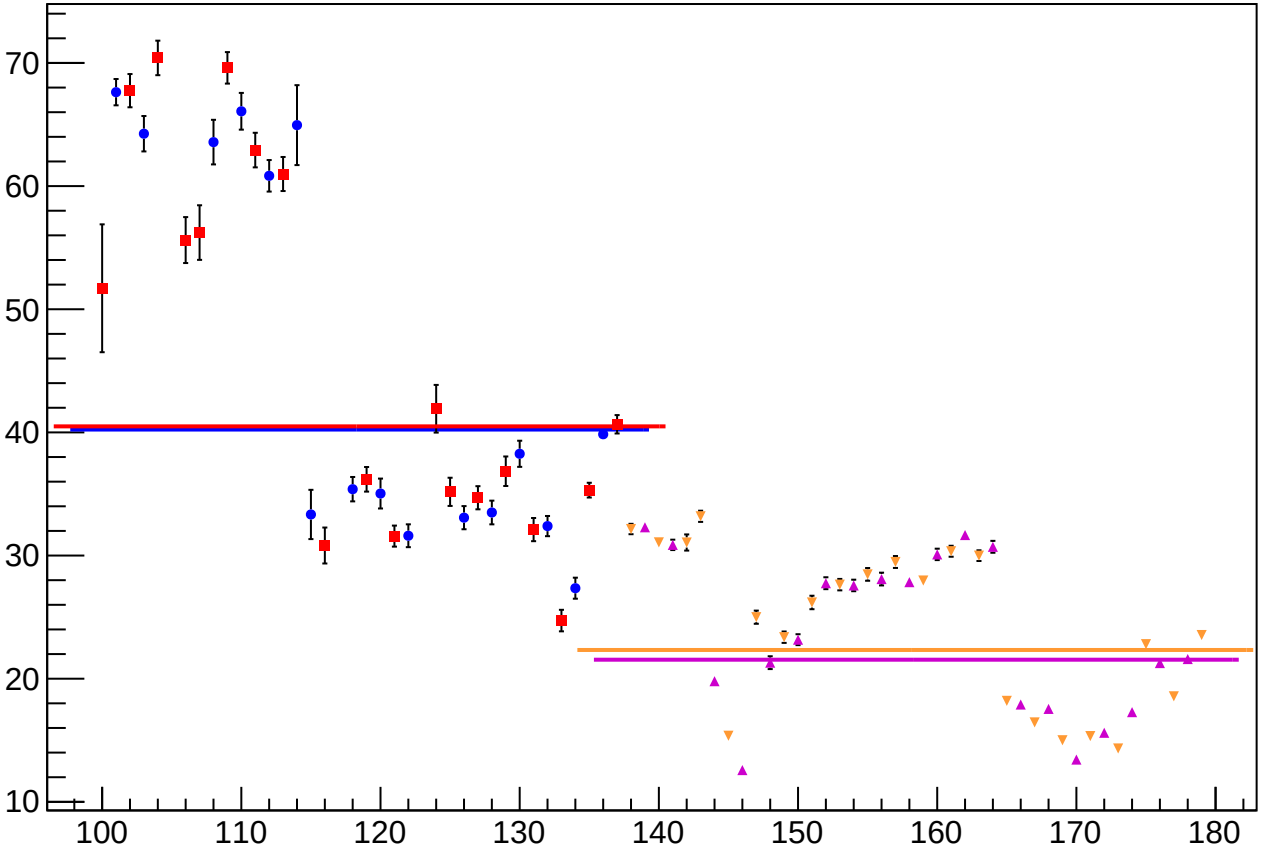
Left In: -2.682+/-0.062 χ^2/NDF:1572.5/19

+ sign -2.733+/-0.058 χ^2/NDF: 2320.8/37

All: -2.693+/-0.042 χ^2/NDF: 5453.4/76

- sign -2.652+/-0.060 χ^2/NDF: 3131.6/38

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug



Right In: 40.232+/-0.231 χ^2/NDF: 2291.1/15

Left Out: 22.333+/-0.080 χ^2/NDF:6148.0/21

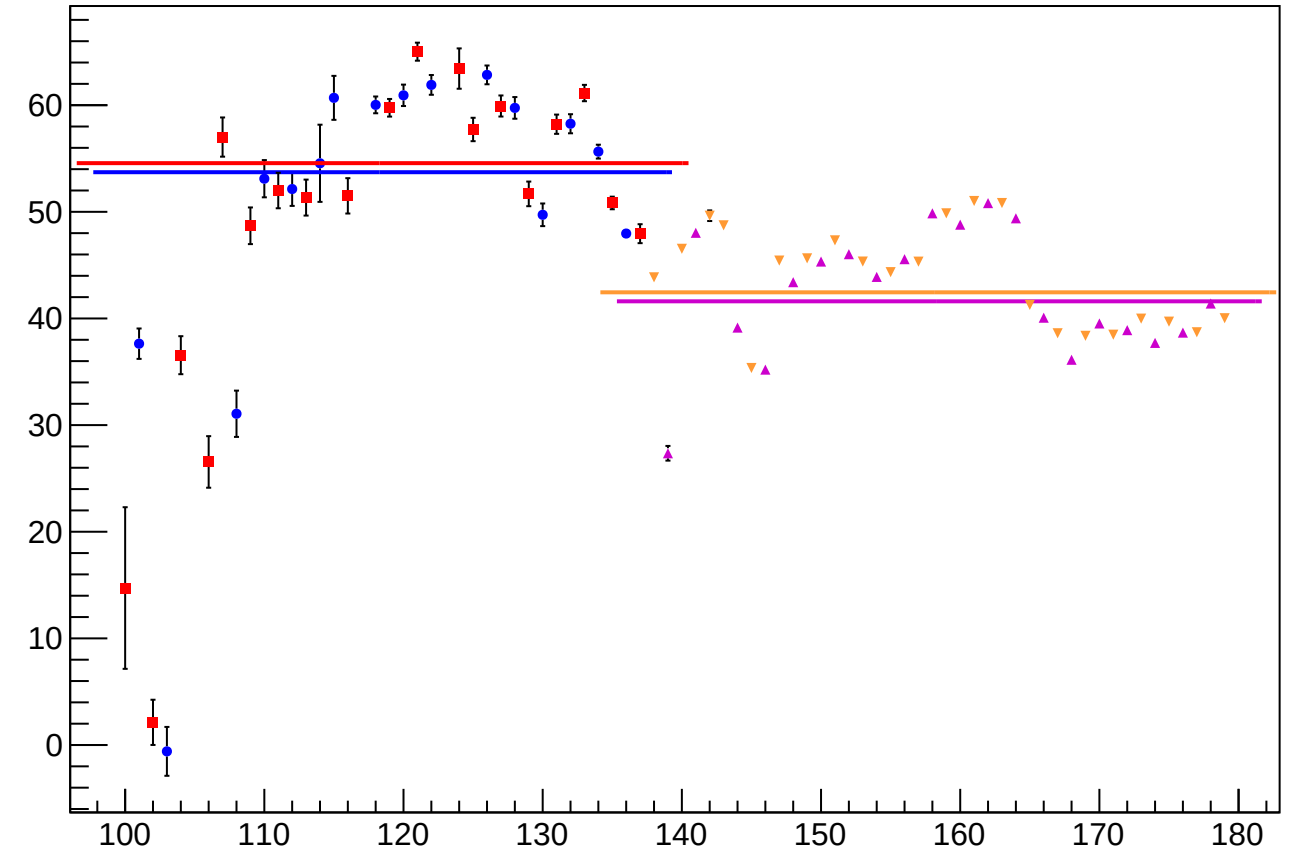
Right Out: 40.490+/-0.250 χ^2/NDF: 2698.0/18

Left In: 21.543+/-0.081 χ^2/NDF:5775.0/19

+ sign 24.223+/-0.075 χ^2/NDF: 13788.8/37

All: 23.802+/-0.054 χ^2/NDF: 27503.3/76

- sign 23.355+/-0.077 χ^2/NDF: 13649.8/38



Right In: 53.715+/-0.239 χ^2/NDF: 1362.7/15

Left Out: 42.452+/-0.068 χ^2/NDF:4859.9/21

Right Out: 54.565+/-0.256 χ^2/NDF: 1342.6/18

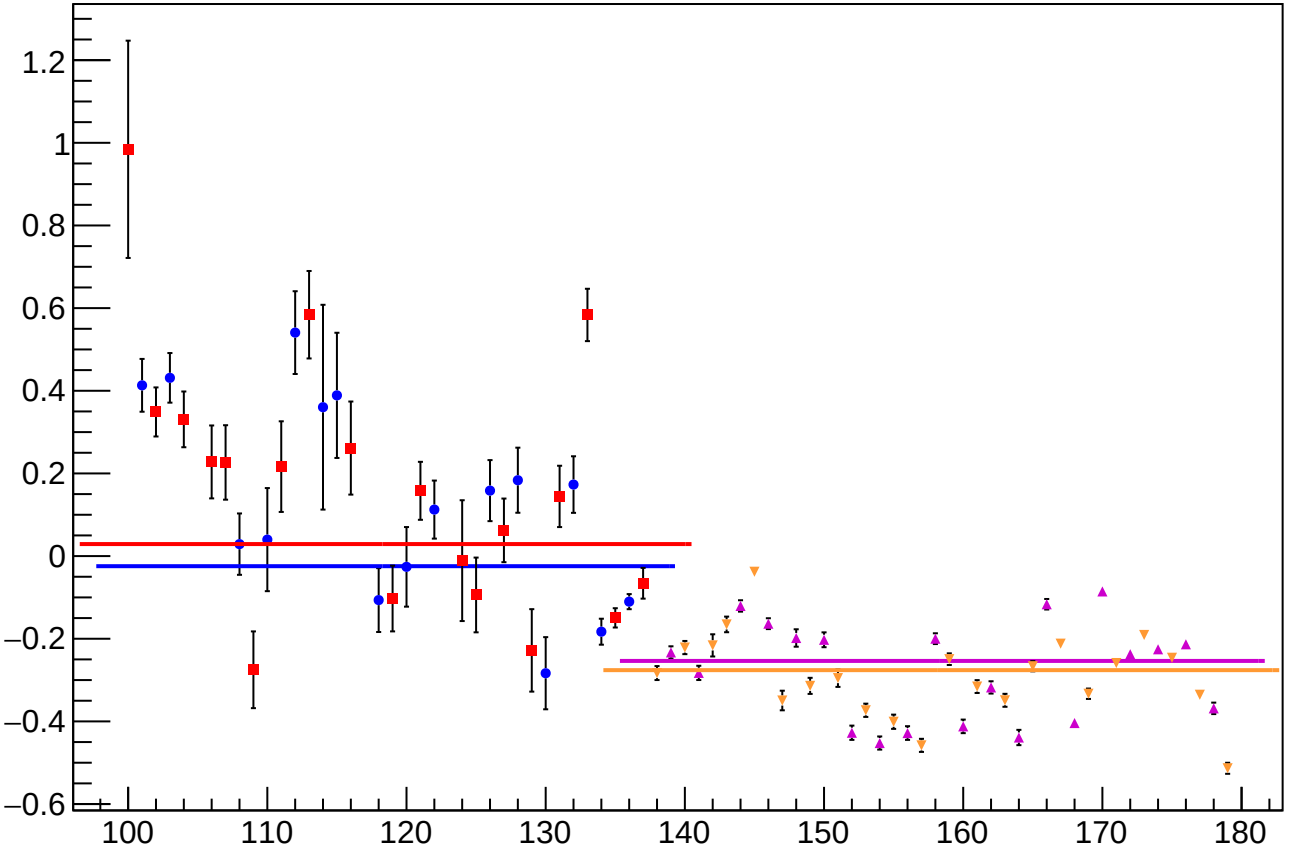
Left In: 41.608+/-0.069 χ^2/NDF:5140.0/19

+ sign 43.288+/-0.065 χ^2/NDF: 8278.5/37

All: 42.901+/-0.047 χ^2/NDF: 17218.1/76

- sign 42.492+/-0.067 χ^2/NDF: 8867.1/38

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug



Right In: -0.024+/-0.013 χ^2/NDF: 229.7/15

Left Out: -0.276+/-0.003 χ^2/NDF:1268.7/21

Right Out: 0.029+/-0.014 χ^2/NDF: 276.4/18

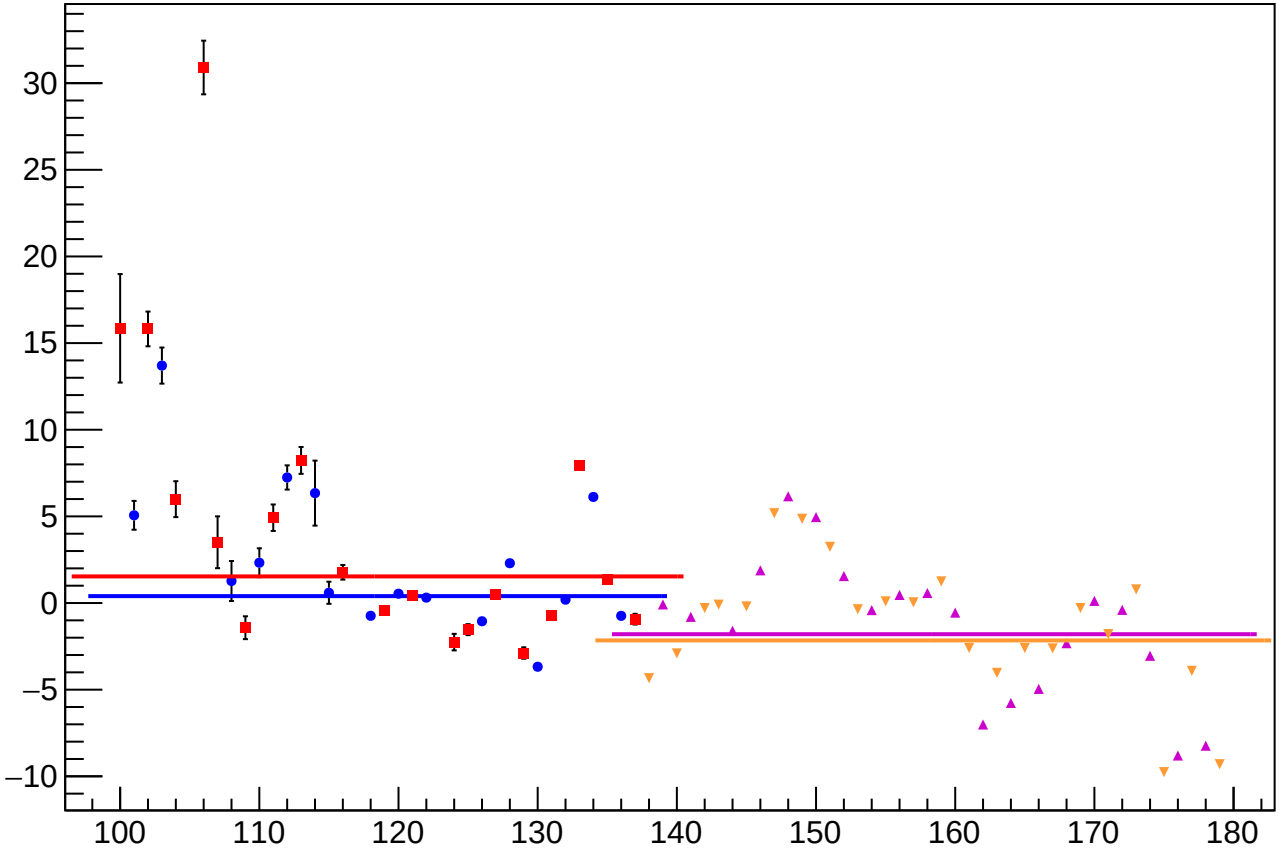
Left In: -0.254+/-0.003 χ^2/NDF:1400.3/19

\+ sign -0.263+/-0.003 χ^2/NDF: 1864.1/37

All: -0.252+/-0.002 χ^2/NDF: 3943.6/76

\- sign -0.241+/-0.003 χ^2/NDF: 2053.2/38

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug



Right In: 0.398+/-0.077 χ^2/NDF: 1097.4/15

Left Out: -2.158+/-0.031 χ^2/NDF:16071.4/21

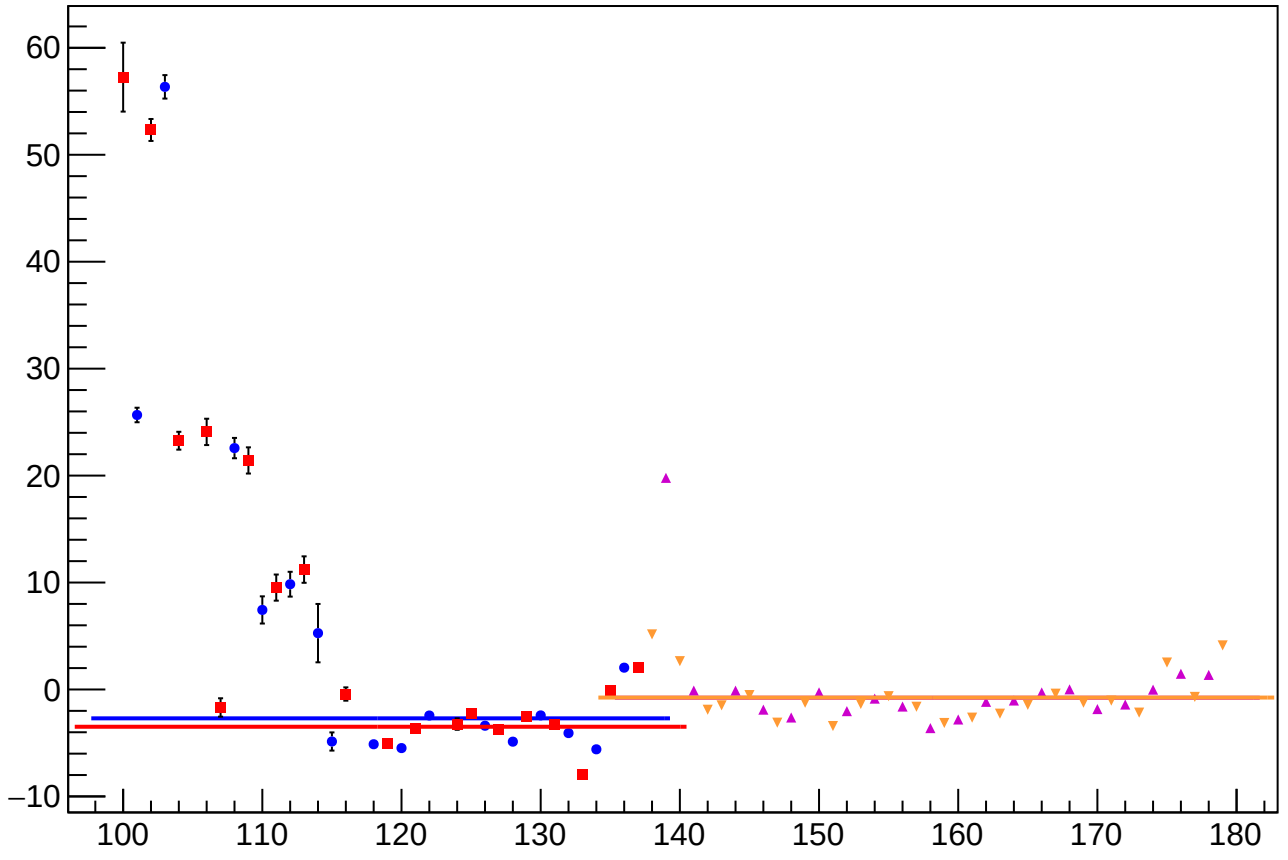
Right Out: 1.536+/-0.078 χ^2/NDF: 2411.2/18

Left In: -1.799+/-0.032 χ^2/NDF:14356.5/19

+ sign -1.804+/-0.029 χ^2/NDF: 18116.7/37

All: -1.572+/-0.020 χ^2/NDF: 36581.6/76

- sign -1.331+/-0.029 χ^2/NDF: 18332.1/38



Right In: -2.699+/-0.071 χ^2/NDF: 7103.8/15

Left Out: -0.756+/-0.023 χ^2/NDF:7742.0/21

Right Out: -3.486+/-0.071 χ^2/NDF: 7159.9/18

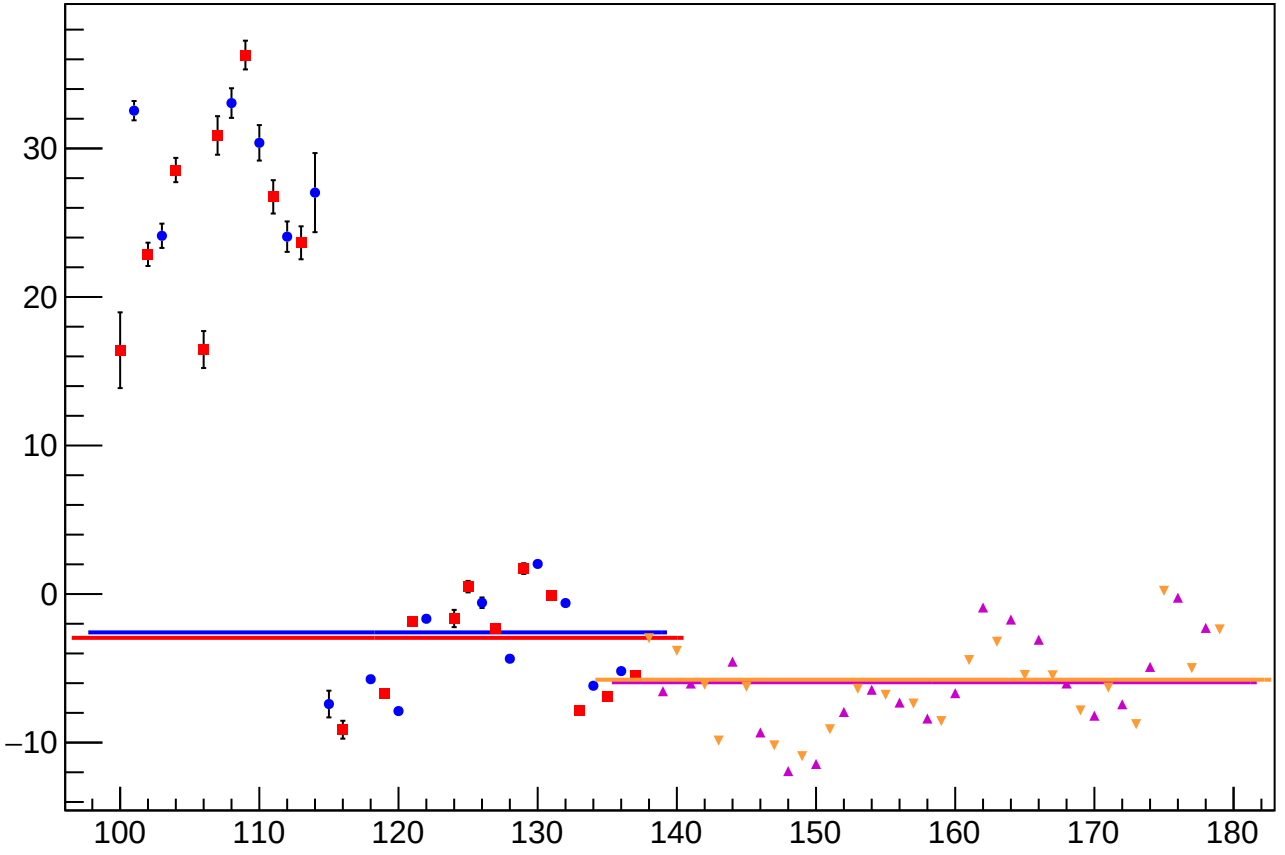
Left In: -0.773+/-0.024 χ^2/NDF:9368.0/19

+ sign -0.945+/-0.022 χ^2/NDF: 15526.9/37

All: -0.995+/-0.016 χ^2/NDF: 33382.9/76

- sign -1.047+/-0.022 χ^2/NDF: 17845.5/38

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug



Right In: -2.582+/-0.083 χ^2/NDF: 8159.7/15

Left Out: -5.767+/-0.031 χ^2/NDF:9355.7/21

Right Out: -2.948+/-0.085 χ^2/NDF: 8196.4/18

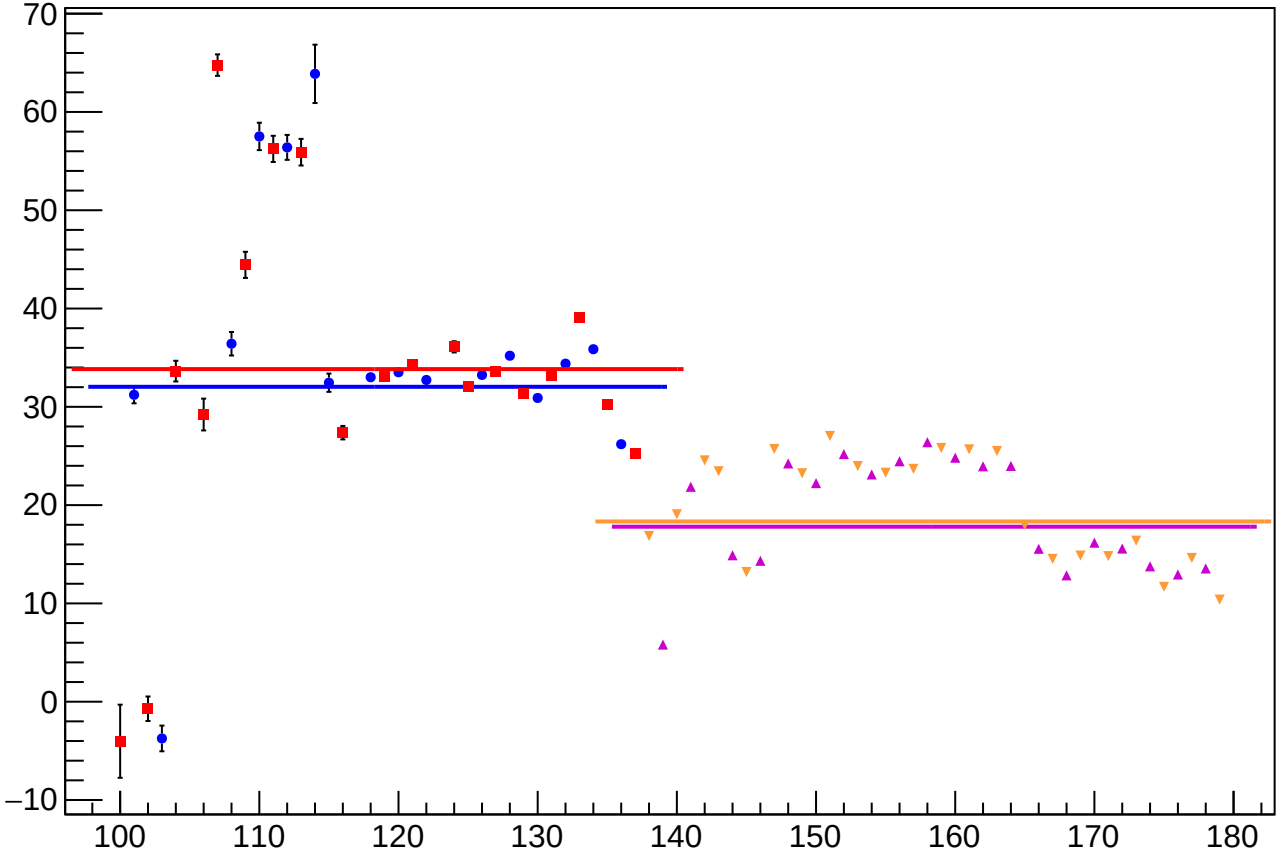
Left In: -5.939+/-0.031 χ^2/NDF:10018.5/19

+ sign -5.383+/-0.029 χ^2/NDF: 18808.0/37

All: -5.479+/-0.021 χ^2/NDF: 38136.5/76

- sign -5.580+/-0.029 χ^2/NDF: 19305.8/38

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug



Right In: 32.038+/-0.081 χ^2/NDF: 3255.9/15

Left Out: 18.336+/-0.026 χ^2/NDF:40107.0/21

Right Out: 33.837+/-0.082 χ^2/NDF: 4237.8/18

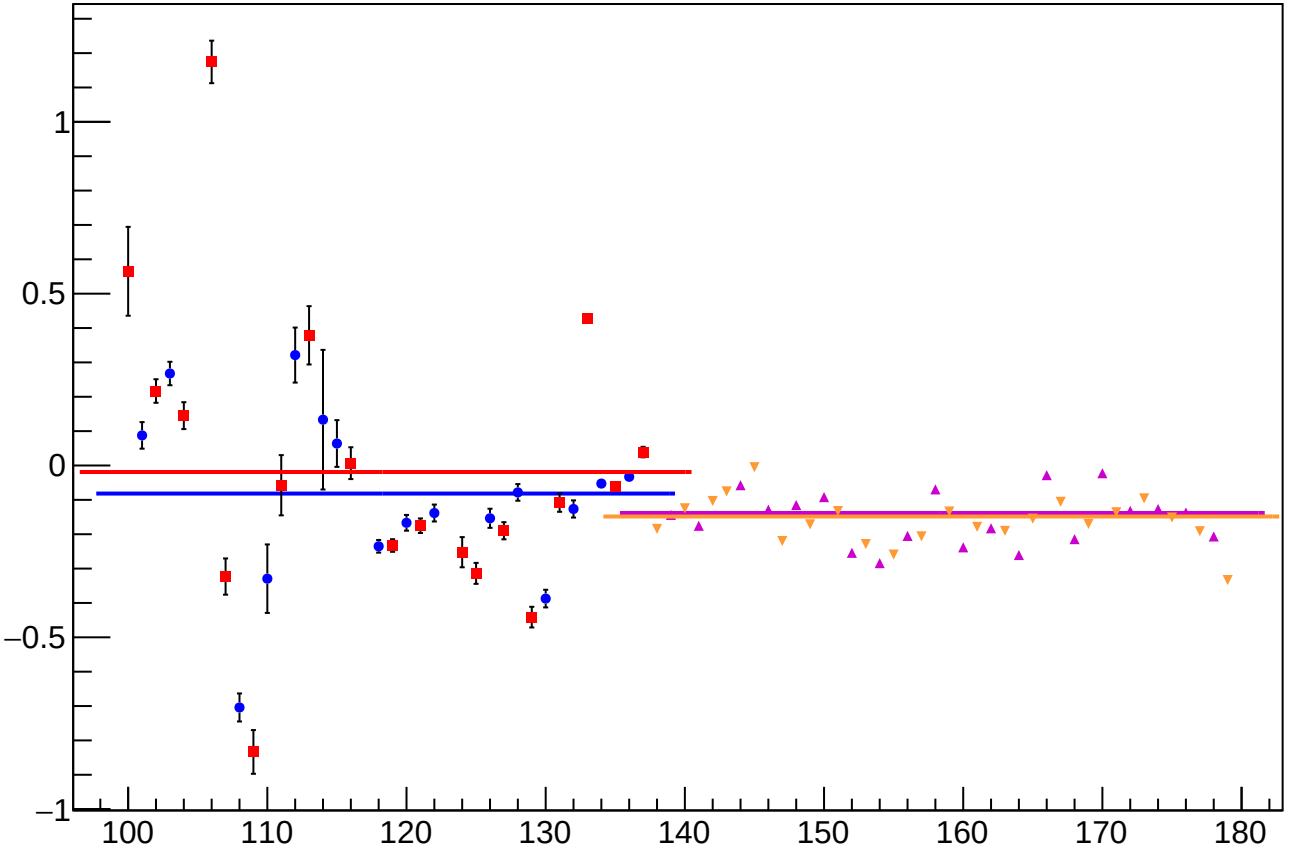
Left In: 17.804+/-0.027 χ^2/NDF:32434.2/19

\+ sign 19.626+/-0.025 χ^2/NDF: 69100.2/37

All: 19.499+/-0.018 χ^2/NDF: 140654.7/76

\- sign 19.366+/-0.025 χ^2/NDF: 71501.3/38

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs Slug



Right In: -0.082+/-0.005 χ^2/NDF: 689.2/15

Left Out: -0.148+/-0.001 χ^2/NDF:3593.9/21

Right Out: -0.019+/-0.005 χ^2/NDF: 2273.7/18

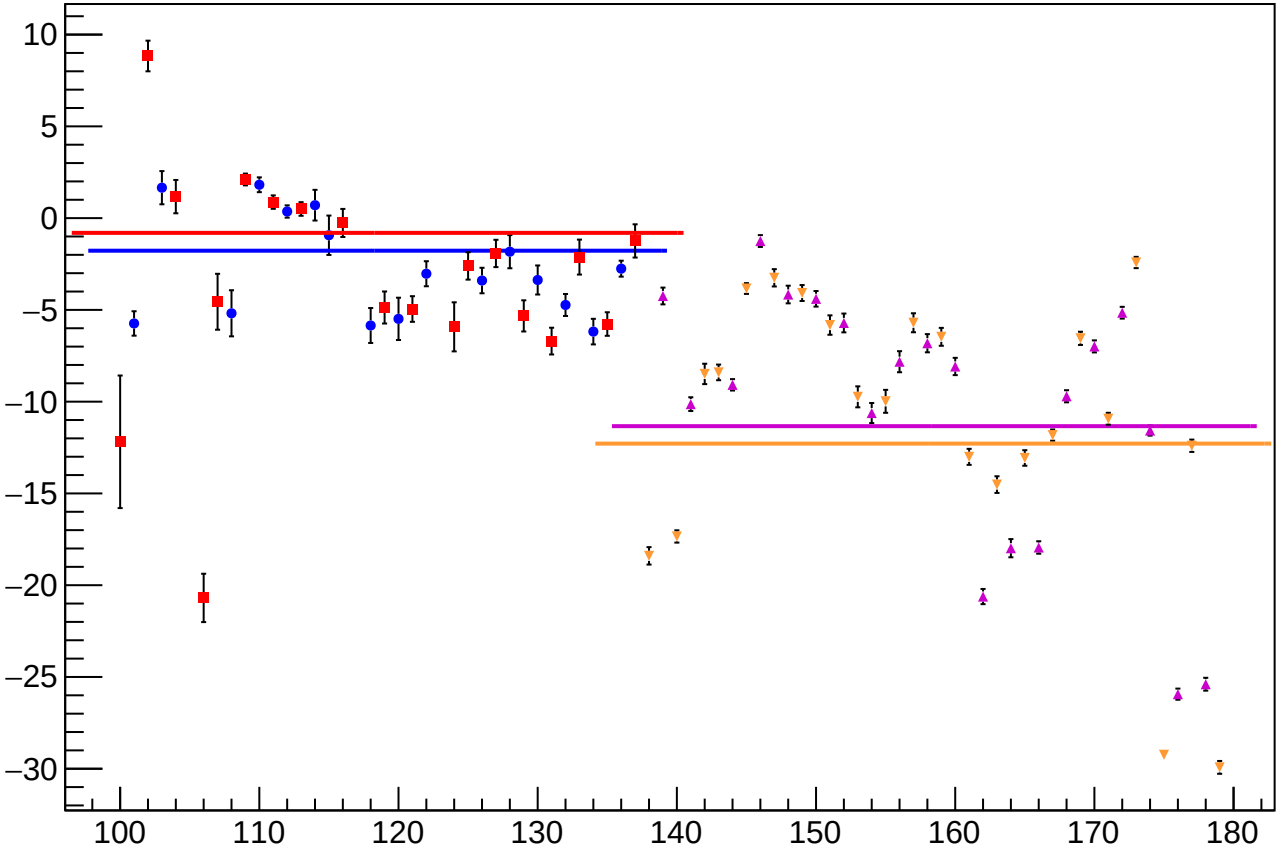
Left In: -0.138+/-0.001 χ^2/NDF:3697.9/19

+ sign -0.145+/-0.001 χ^2/NDF: 4463.7/37

All: -0.139+/-0.001 χ^2/NDF: 10993.9/76

- sign -0.132+/-0.001 χ^2/NDF: 6471.9/38

reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug



Right In: -1.775+/-0.157 χ^2/NDF: 297.7/15

Left Out: -12.285+/-0.083 χ^2/NDF:10365.3/21

Right Out: -0.803+/-0.148 χ^2/NDF: 733.7/18

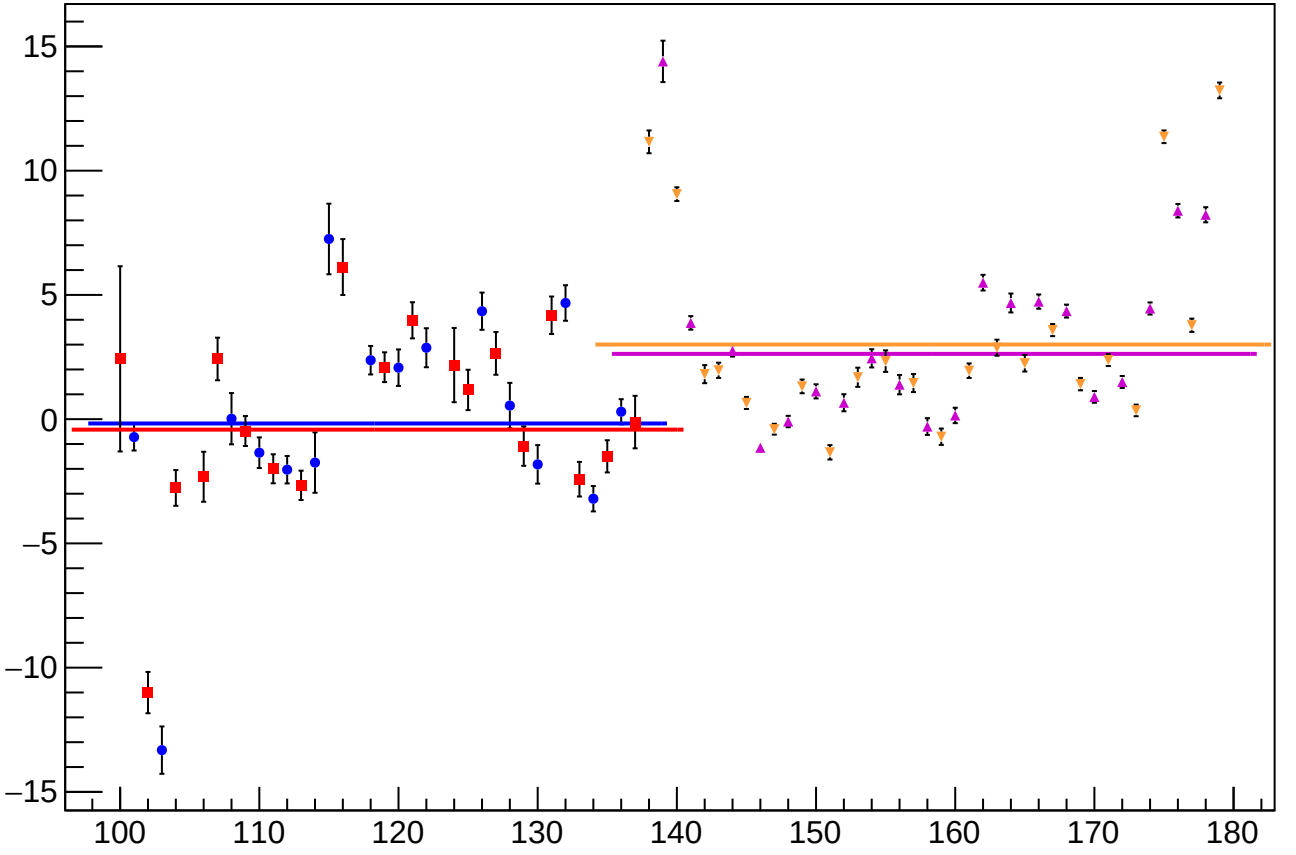
Left In: -11.335+/-0.085 χ^2/NDF:7618.8/19

+ sign -9.996+/-0.073 χ^2/NDF: 14162.7/37

All: -9.371+/-0.052 χ^2/NDF: 26461.8/76

- sign -8.742+/-0.074 χ^2/NDF: 12153.5/38

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug



Right In: -0.174+/-0.173 χ^2/NDF: 403.1/15

Left Out: 3.004+/-0.061 χ^2/NDF:3903.2/21

Right Out: -0.421+/-0.177 χ^2/NDF: 366.3/18

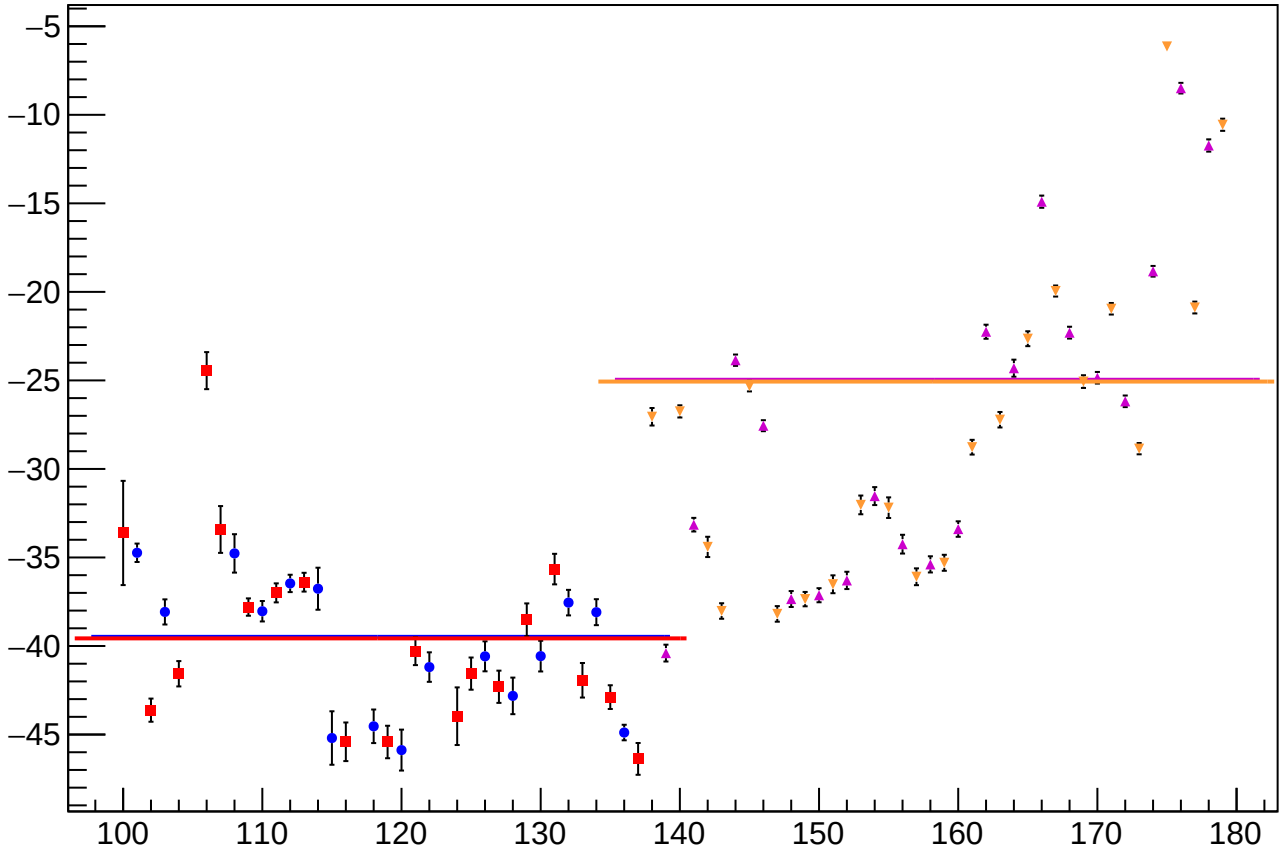
Left In: 2.627+/-0.063 χ^2/NDF:2078.9/19

+ sign 2.650+/-0.058 χ^2/NDF: 4606.2/37

All: 2.473+/-0.041 χ^2/NDF: 7333.5/76

- sign 2.287+/-0.059 χ^2/NDF: 2708.1/38

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug



Right In: -39.484+/-0.180 χ^2/NDF: 409.3/15

Left Out: -25.065+/-0.082 χ^2/NDF:12403.3/21

Right Out: -39.570+/-0.181 χ^2/NDF: 553.5/18

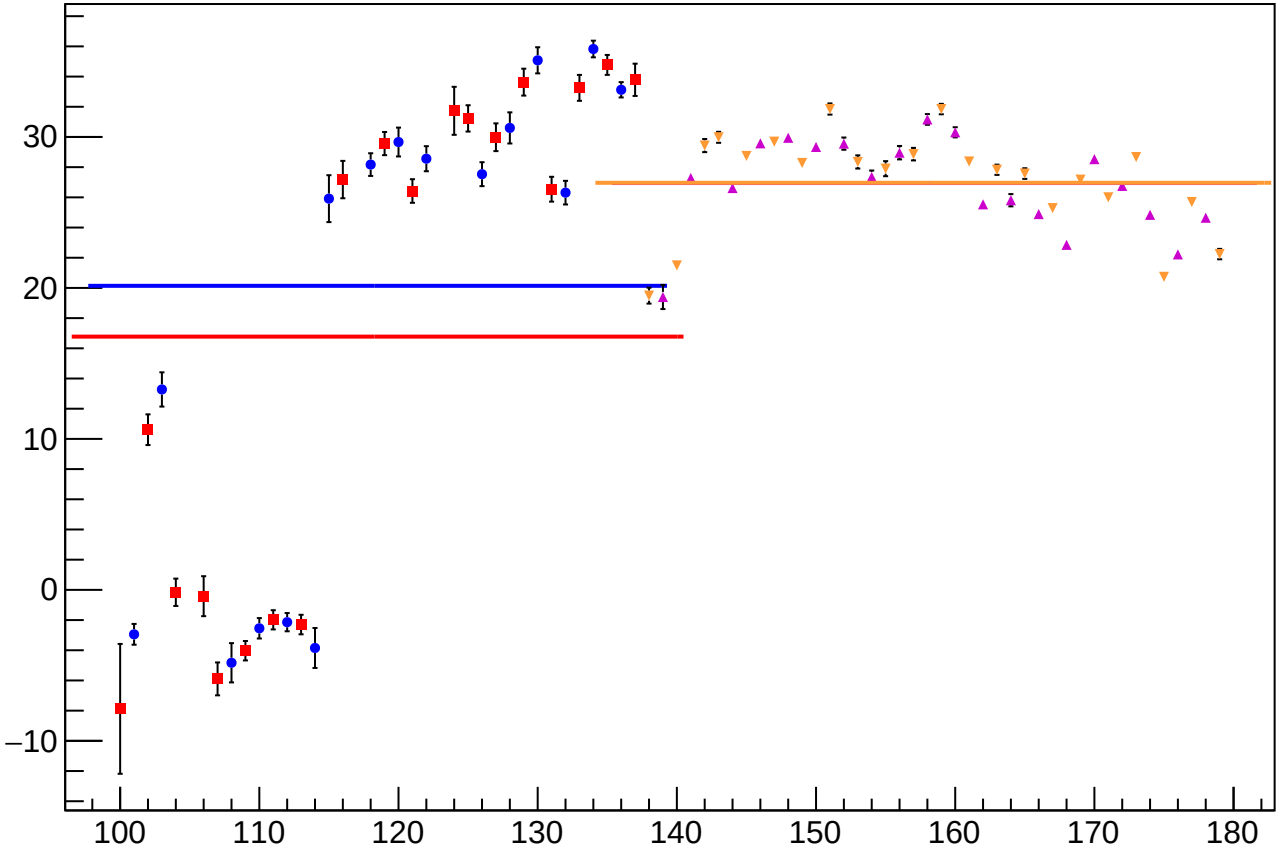
Left In: -24.964+/-0.084 χ^2/NDF:11038.7/19

\+ sign -27.553+/-0.075 χ^2/NDF: 18108.5/37

All: -27.557+/-0.053 χ^2/NDF: 35055.4/76

\- sign -27.562+/-0.076 χ^2/NDF: 16946.9/38

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug



Right In: 20.140+/-0.195 χ^2/NDF: 6684.6/15

Left Out: 26.965+/-0.069 χ^2/NDF:1998.8/21

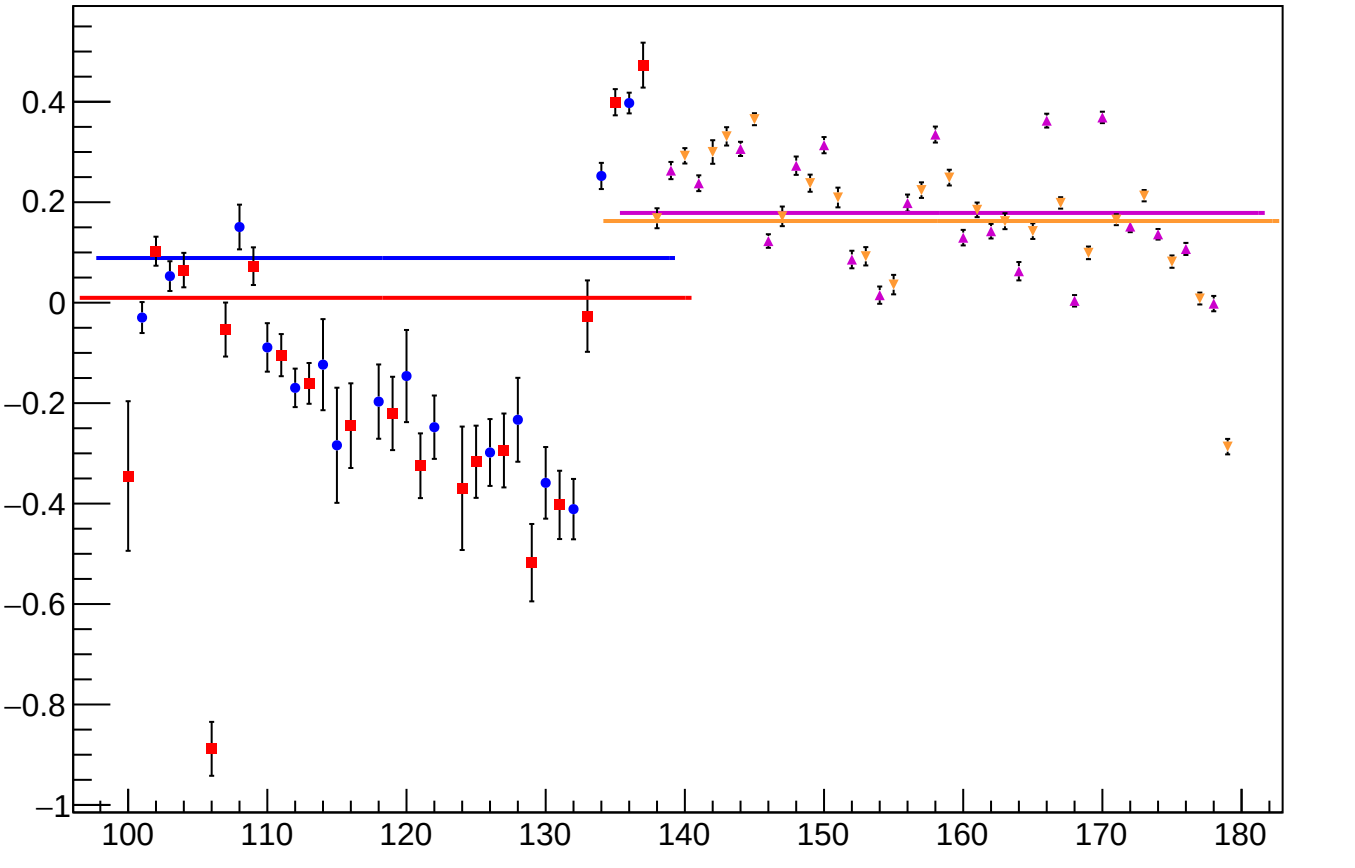
Right Out: 16.775+/-0.200 χ^2/NDF: 6739.1/18

Left In: 26.948+/-0.071 χ^2/NDF:1330.4/19

+ sign 26.195+/-0.065 χ^2/NDF: 9773.4/37

All: 26.004+/-0.047 χ^2/NDF: 20163.2/76

- sign 25.803+/-0.067 χ^2/NDF: 10372.2/38



Right In: 0.089+/-0.010 χ^2/NDF: 563.9/15

Left Out: 0.163+/-0.003 χ^2/NDF:1730.4/21

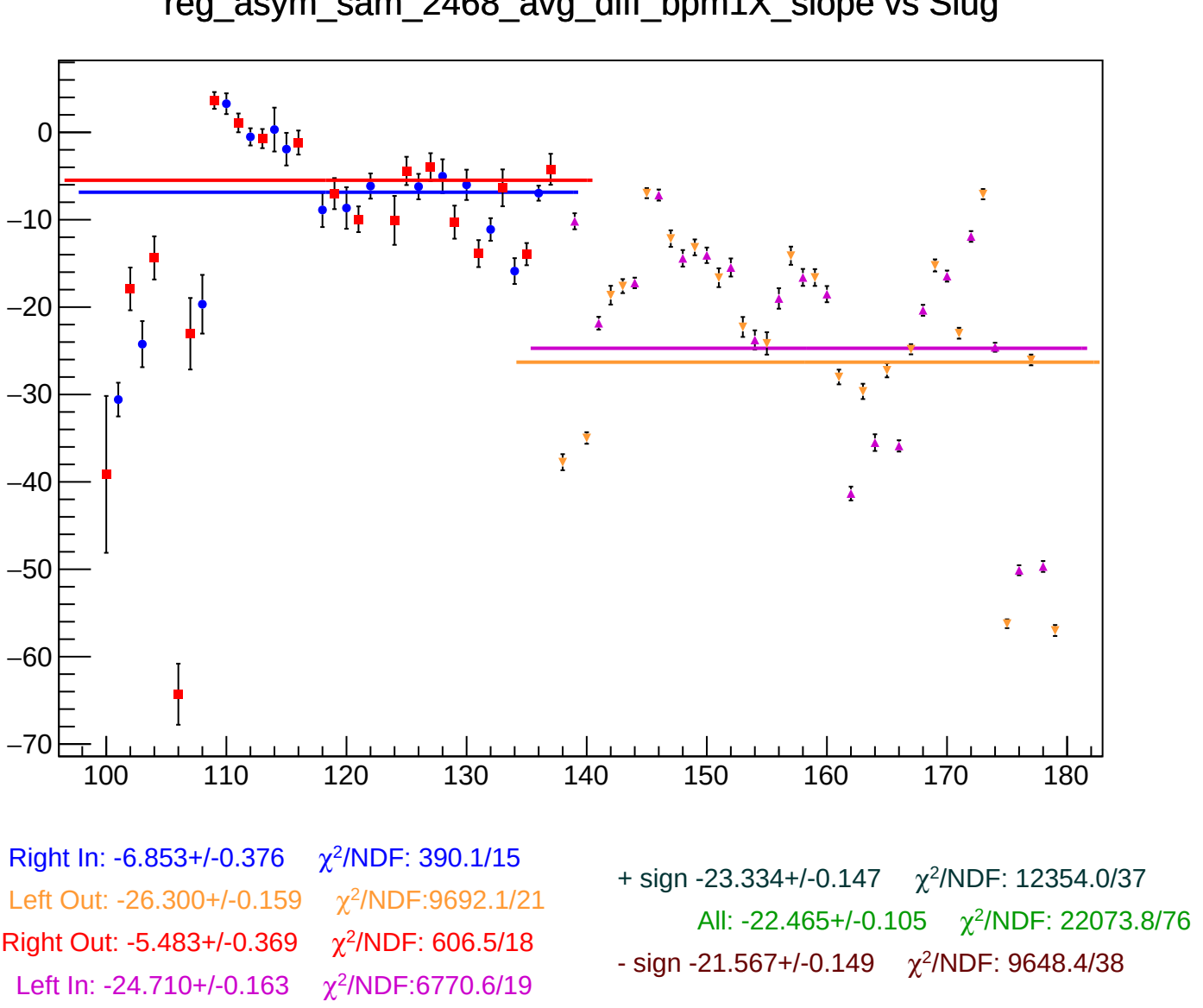
Right Out: 0.010+/-0.011 χ^2/NDF: 834.8/18

Left In: 0.179+/-0.003 χ^2/NDF:1395.4/19

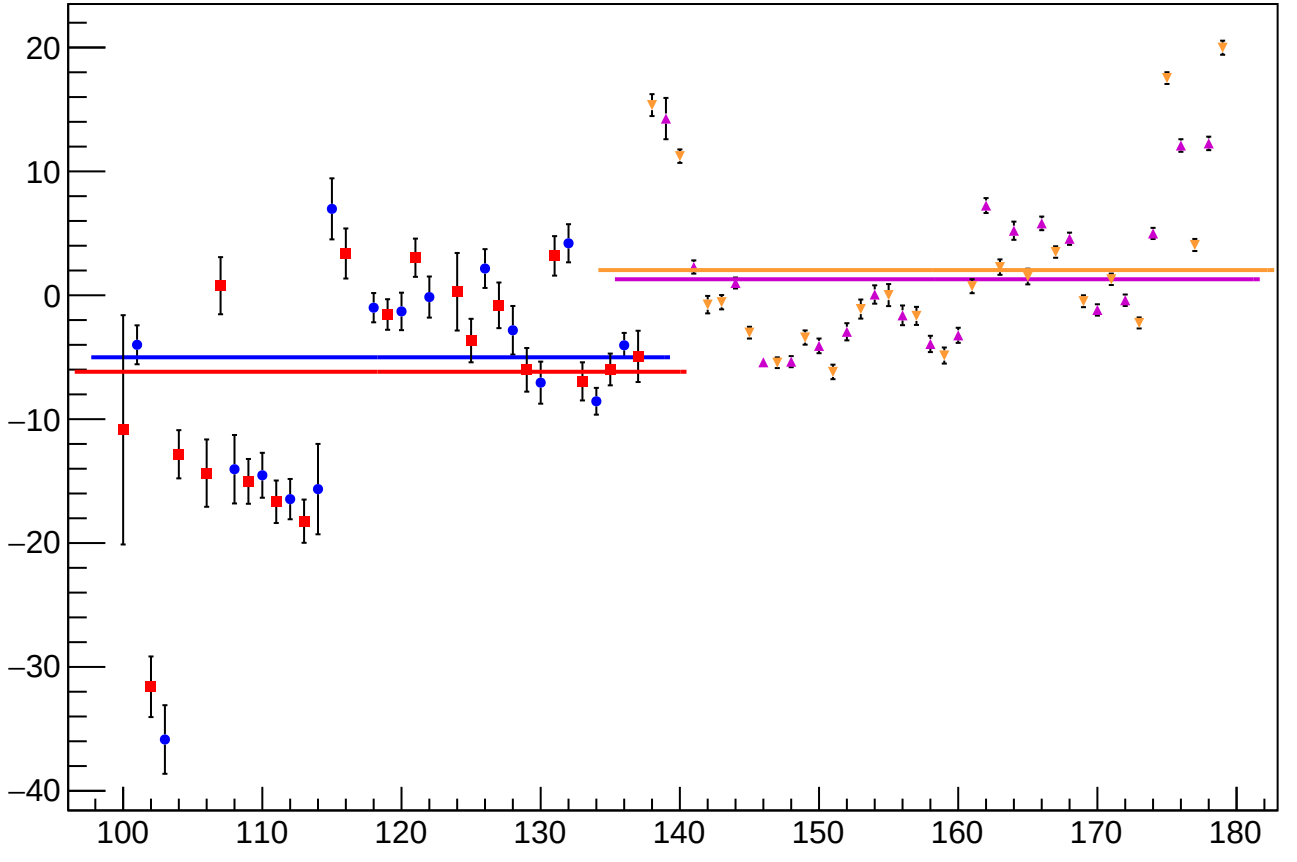
+ sign 0.157+/-0.003 χ^2/NDF: 2340.3/37

All: 0.161+/-0.002 χ^2/NDF: 4792.6/76

- sign 0.166+/-0.003 χ^2/NDF: 2447.6/38


reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug
0
−10
−20
−30
−40
−50
−60
−70
100
110
120
130
140
150
160
170
180
Right In: -6.853+/-0.376 χ²/NDF: 390.1/15
Left Out: -26.300+/-0.159 χ²/NDF:9692.1/21
Right Out: -5.483+/-0.369 χ²/NDF: 606.5/18
Left In: -24.710+/-0.163 χ²/NDF:6770.6/19
+ sign -23.334+/-0.147 χ²/NDF: 12354.0/37
All: -22.465+/-0.105 χ²/NDF: 22073.8/76
- sign -21.567+/-0.149 χ²/NDF: 9648.4/38

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug



Right In: -5.005+/-0.395 χ^2/NDF: 341.7/15

Left Out: 2.034+/-0.119 χ^2/NDF:3621.8/21

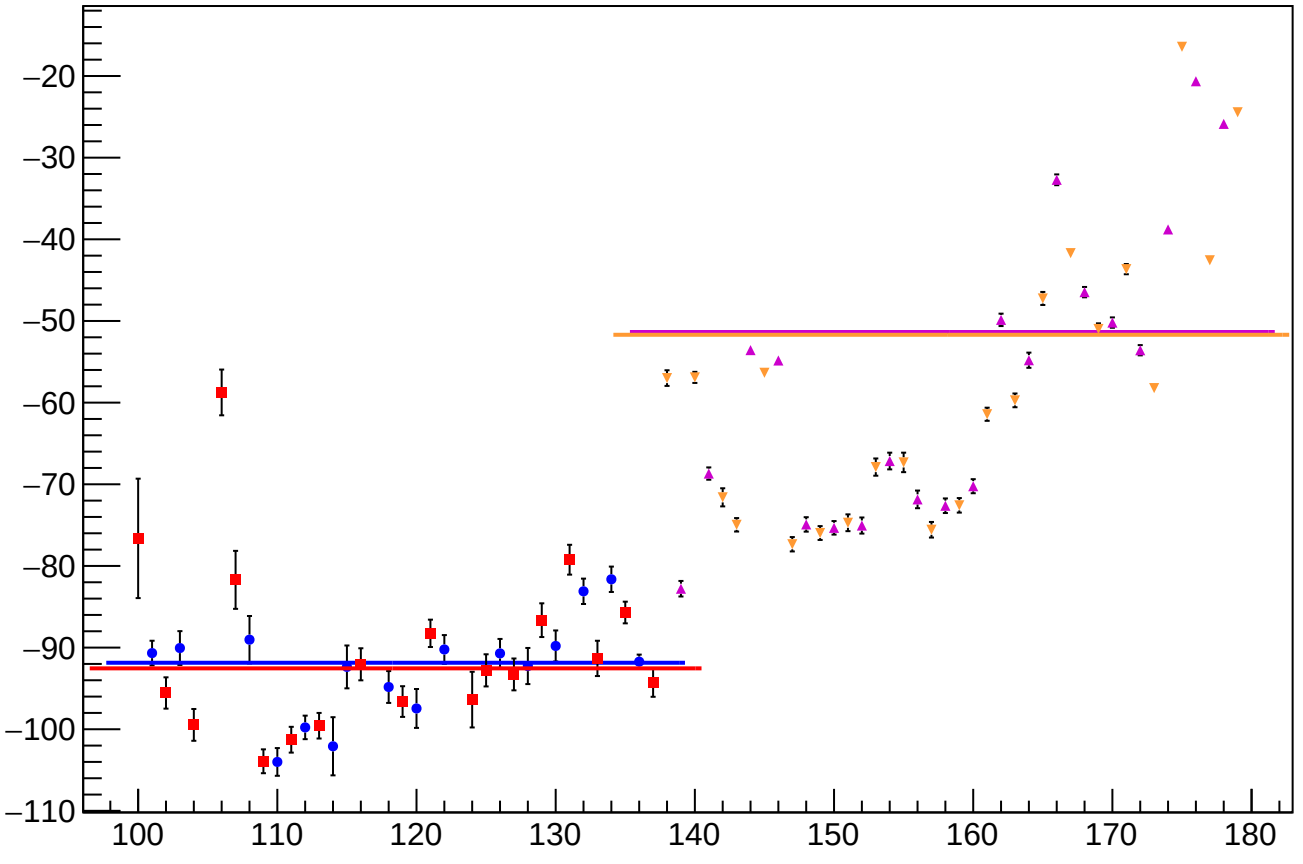
Right Out: -6.173+/-0.417 χ^2/NDF: 369.1/18

Left In: 1.293+/-0.121 χ^2/NDF:2061.7/19

+ sign 1.453+/-0.114 χ^2/NDF: 4254.4/37

All: 1.091+/-0.081 χ^2/NDF: 7002.3/76

- sign 0.710+/-0.116 χ^2/NDF: 2726.9/38



Right In: -91.856+/-0.424 χ^2/NDF: 177.3/15

Left Out: -51.691+/-0.158 χ^2/NDF:12913.3/21

Right Out: -92.544+/-0.439 χ^2/NDF: 387.8/18

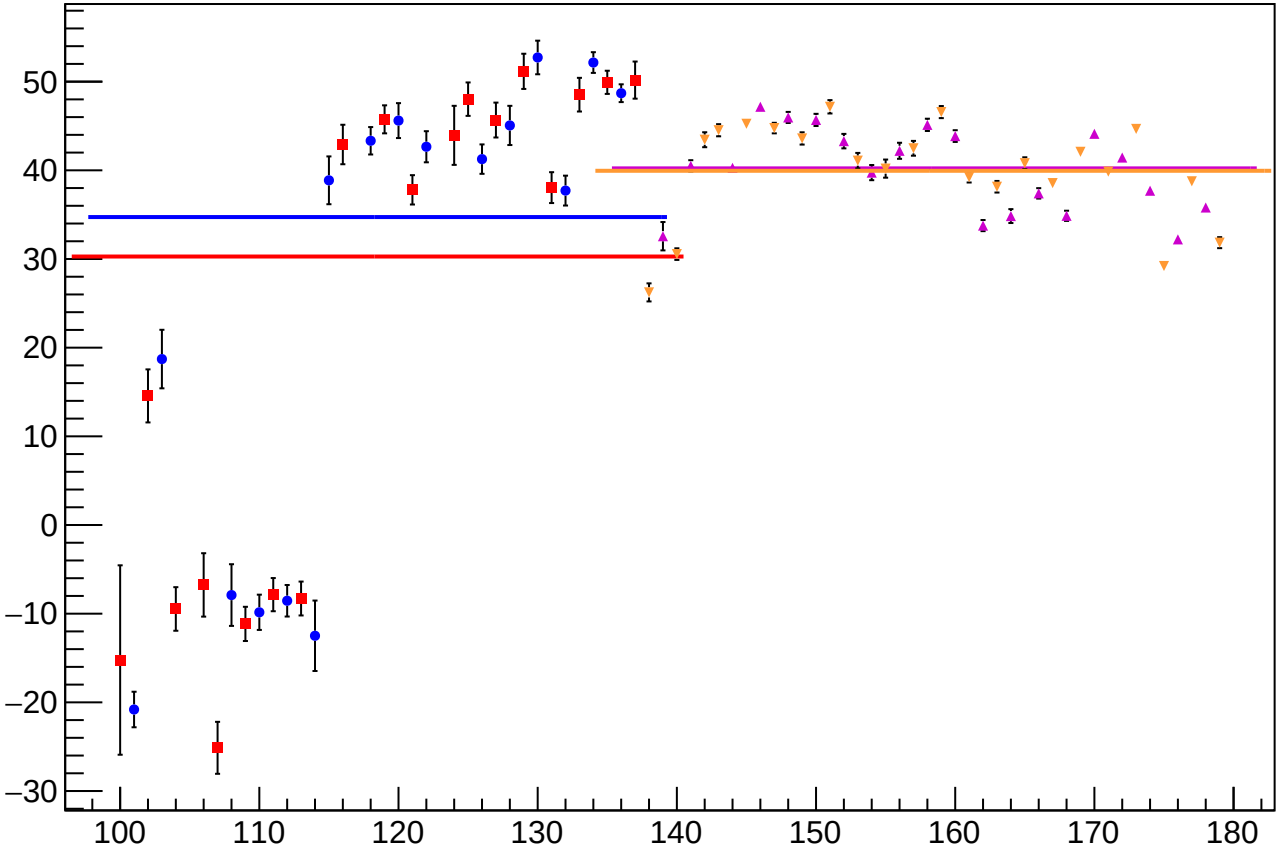
Left In: -51.351+/-0.162 χ^2/NDF:11496.4/19

+ sign -56.608+/-0.148 χ^2/NDF: 20964.0/37

All: -56.456+/-0.106 χ^2/NDF: 40589.7/76

- sign -56.295+/-0.152 χ^2/NDF: 19623.5/38

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug



Right In: 34.729+/-0.442 χ^2/NDF: 2809.1/15

Left Out: 39.948+/-0.134 χ^2/NDF:1608.6/21

Right Out: 30.279+/-0.467 χ^2/NDF: 2911.2/18

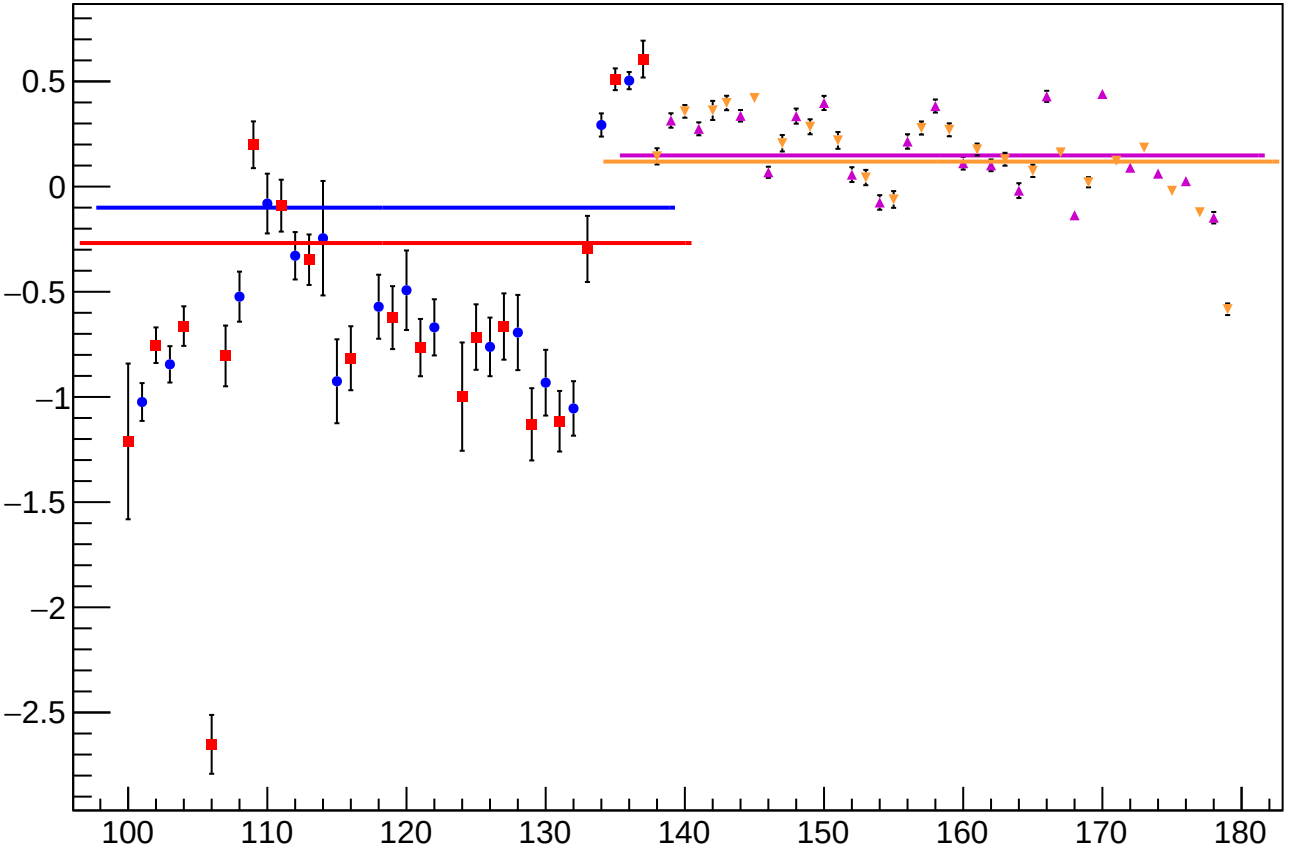
Left In: 40.219+/-0.137 χ^2/NDF:1122.6/19

\+ sign 39.509+/-0.128 χ^2/NDF: 4545.5/37

All: 39.471+/-0.092 χ^2/NDF: 8996.4/76

\- sign 39.431+/-0.132 χ^2/NDF: 4450.7/38

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug



Right In: -0.100+/-0.024 χ^2/NDF: 631.4/15

Left Out: 0.119+/-0.006 χ^2/NDF:1269.4/21

Right Out: -0.268+/-0.026 χ^2/NDF: 822.4/18

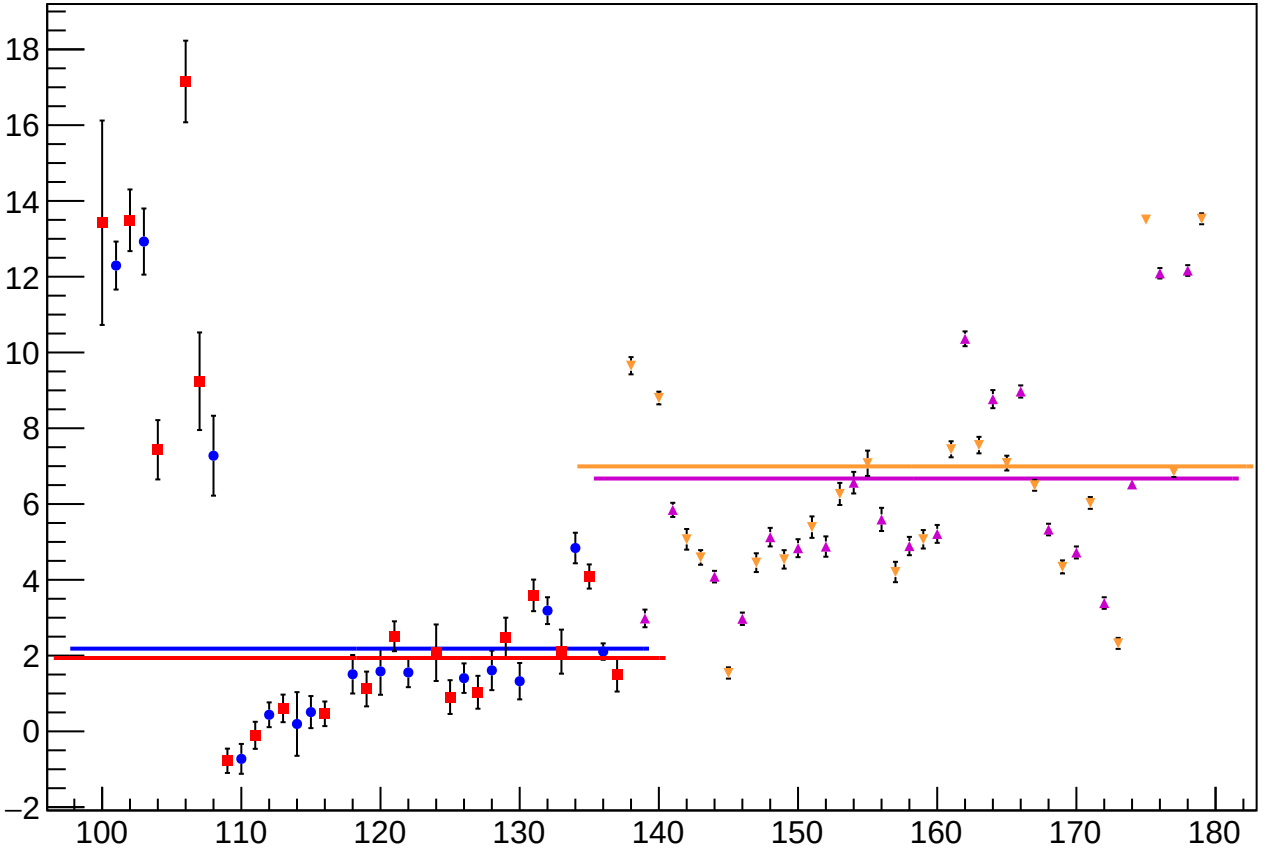
Left In: 0.148+/-0.006 χ^2/NDF:950.8/19

+ sign 0.106+/-0.006 χ^2/NDF: 1979.1/37

All: 0.116+/-0.004 χ^2/NDF: 3995.6/76

- sign 0.127+/-0.006 χ^2/NDF: 2010.2/38

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug



Right In: 2.184+/-0.105 χ^2/NDF: 599.3/15

Left Out: 6.994+/-0.039 χ^2/NDF:8504.7/21

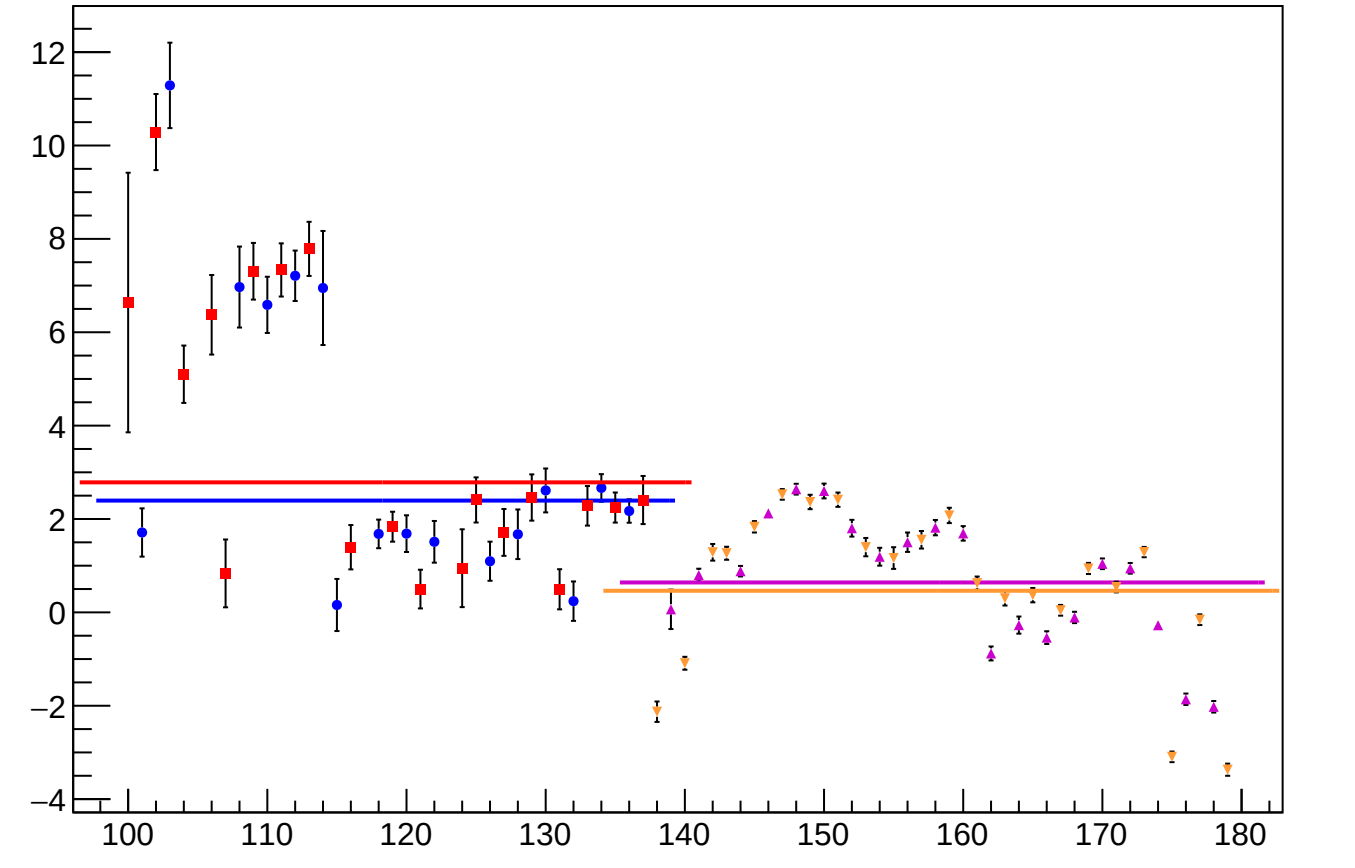
Right Out: 1.936+/-0.105 χ^2/NDF: 717.1/18

Left In: 6.673+/-0.041 χ^2/NDF:5698.3/19

+ sign 6.398+/-0.037 χ^2/NDF: 10943.0/37

All: 6.235+/-0.026 χ^2/NDF: 19155.7/76

- sign 6.064+/-0.038 χ^2/NDF: 8172.8/38



Right In: 2.394+/-0.108 χ^2/NDF: 333.9/15

Left Out: 0.463+/-0.030 χ^2/NDF:3212.3/21

Right Out: 2.785+/-0.116 χ^2/NDF: 410.9/18

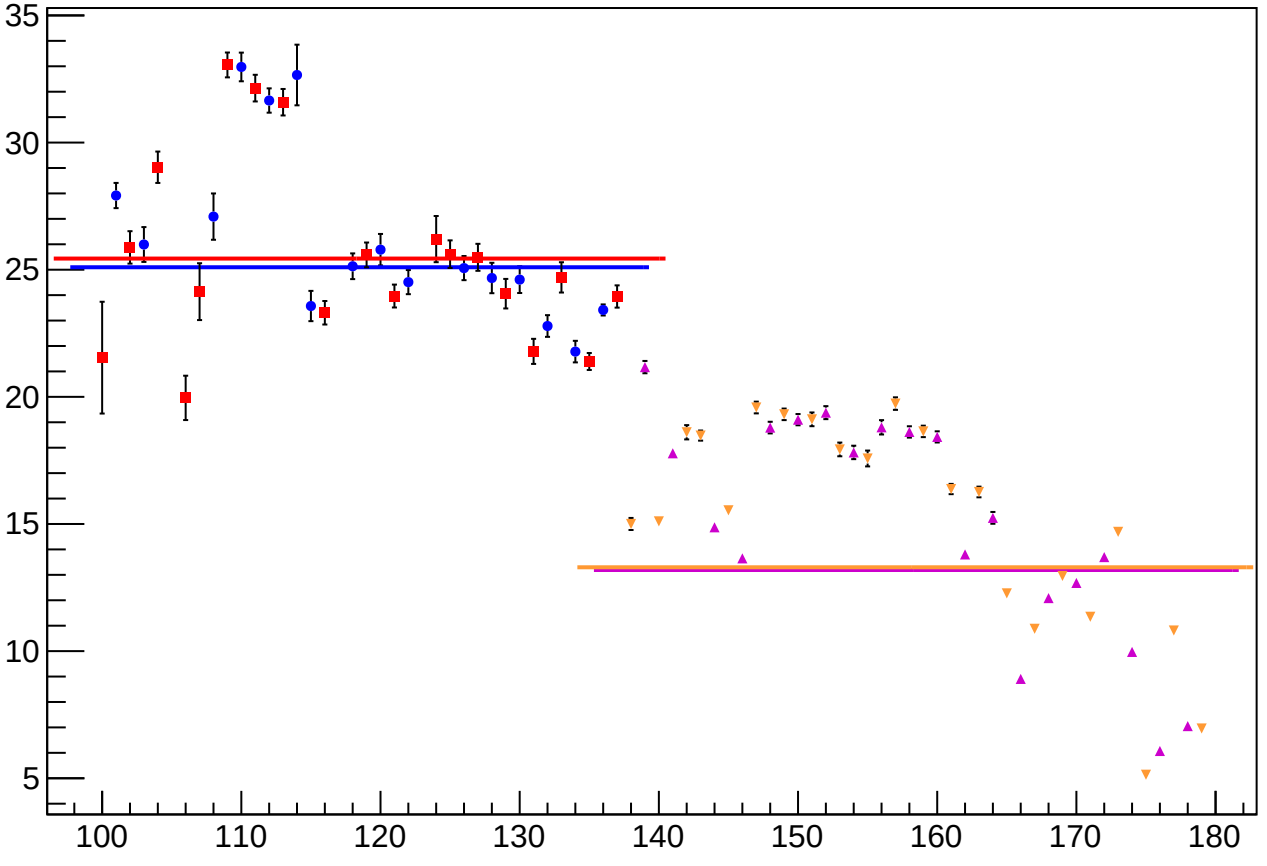
Left In: 0.641+/-0.030 χ^2/NDF:2078.5/19

+ sign 0.597+/-0.029 χ^2/NDF: 3842.0/37

All: 0.685+/-0.020 χ^2/NDF: 6671.5/76

- sign 0.778+/-0.029 χ^2/NDF: 2809.9/38

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug



Right In: 25.096+/-0.118 χ^2/NDF: 622.9/15

Left Out: 13.297+/-0.039 χ^2/NDF:12854.4/21

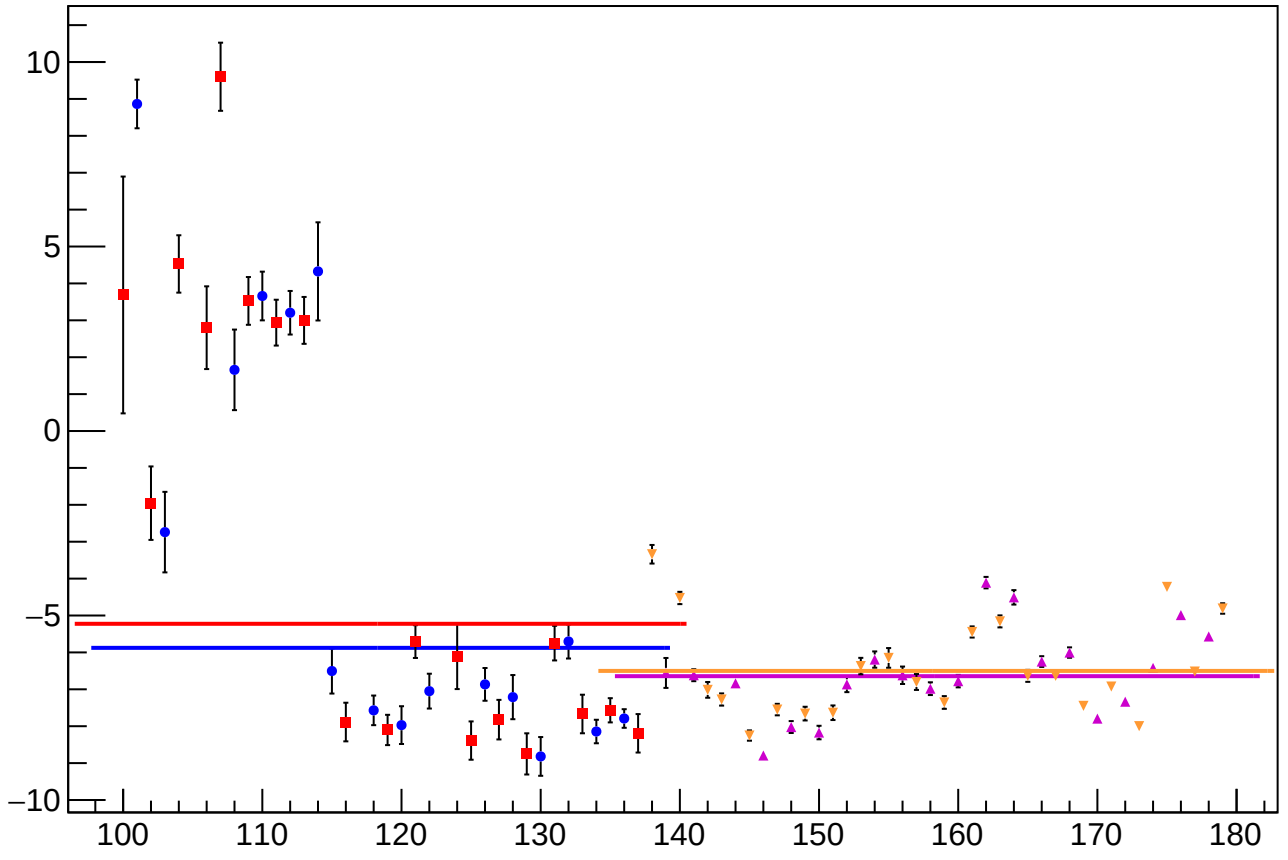
Right Out: 25.438+/-0.124 χ^2/NDF: 877.6/18

Left In: 13.191+/-0.040 χ^2/NDF:11599.3/19

+ sign 14.482+/-0.037 χ^2/NDF: 22542.8/37

All: 14.424+/-0.027 χ^2/NDF: 43842.8/76

- sign 14.363+/-0.038 χ^2/NDF: 21295.1/38



Right In: -5.876+/-0.121 χ^2/NDF: 1251.4/15

Left Out: -6.501+/-0.033 χ^2/NDF:1474.7/21

Right Out: -5.225+/-0.129 χ^2/NDF: 1292.0/18

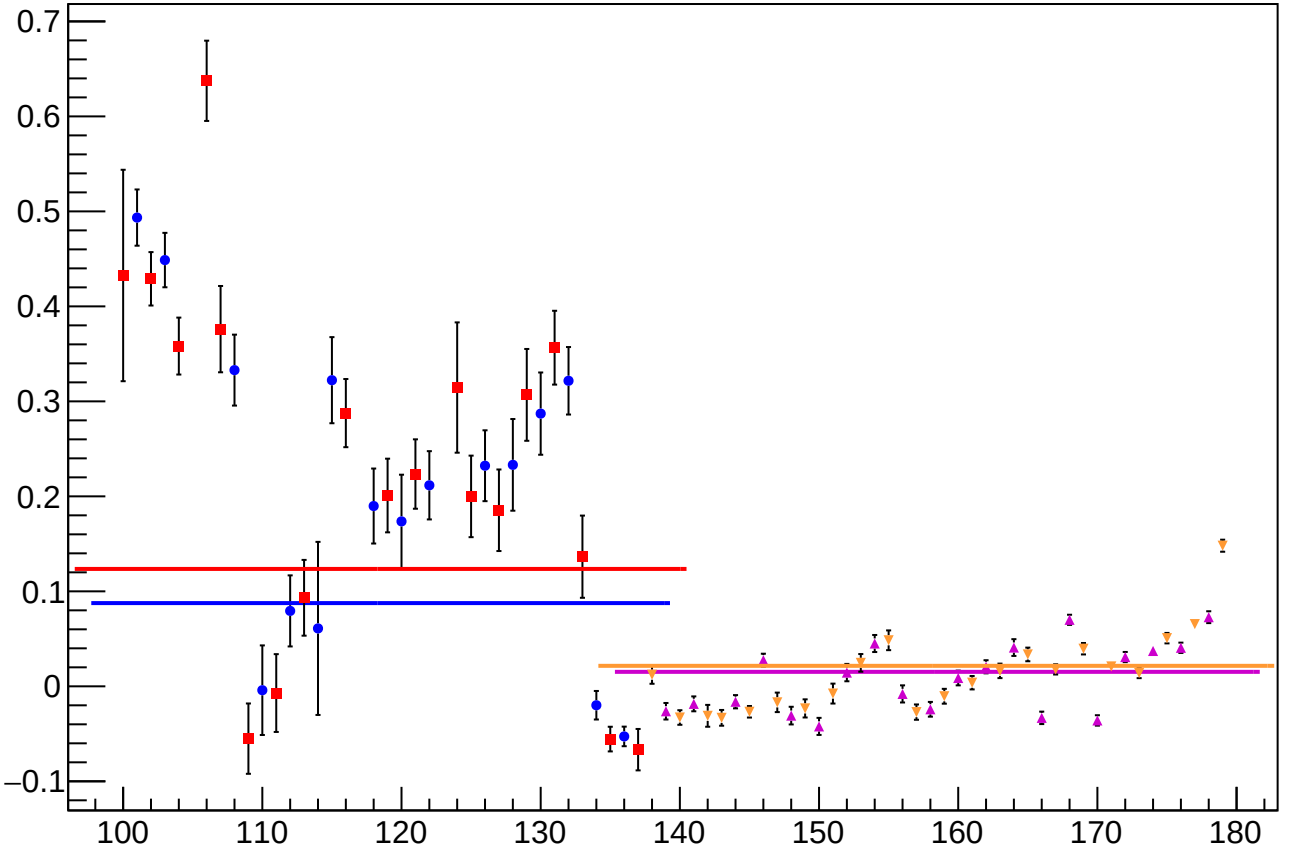
Left In: -6.644+/-0.034 χ^2/NDF:1236.5/19

+ sign -6.457+/-0.032 χ^2/NDF: 2751.0/37

All: -6.503+/-0.023 χ^2/NDF: 5396.1/76

- sign -6.552+/-0.033 χ^2/NDF: 2640.9/38

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs Slug



Right In: 0.088+/-0.007 χ^2/NDF: 768.0/15

Left Out: 0.022+/-0.001 χ^2/NDF:803.1/21

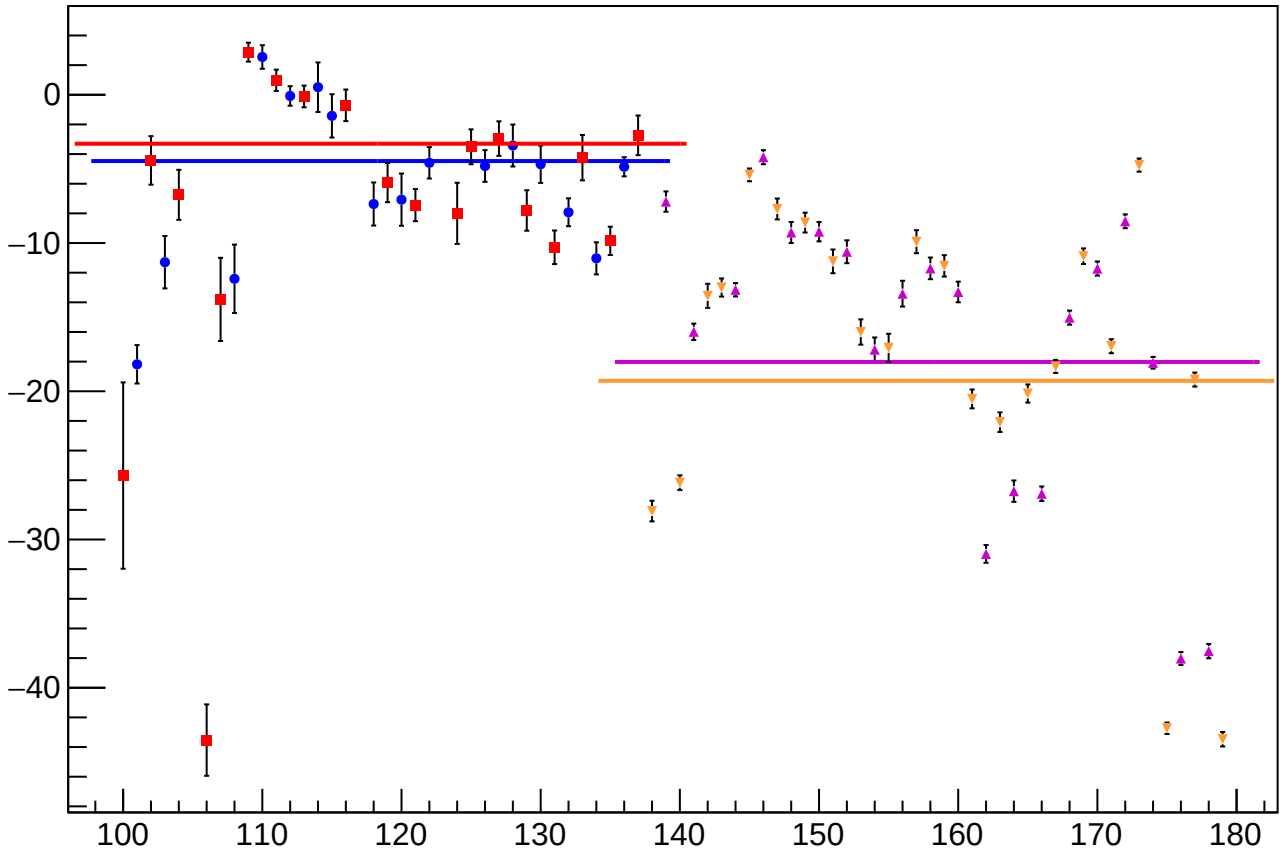
Right Out: 0.124+/-0.007 χ^2/NDF: 762.3/18

Left In: 0.015+/-0.002 χ^2/NDF:567.9/19

+ sign 0.025+/-0.001 χ^2/NDF: 1666.6/37

All: 0.022+/-0.001 χ^2/NDF: 3212.1/76

- sign 0.020+/-0.001 χ^2/NDF: 1539.6/38



Right In: -4.471+/-0.268 χ^2/NDF: 331.8/15

Left Out: -19.293+/-0.121 χ^2/NDF:9970.4/21

Right Out: -3.302+/-0.261 χ^2/NDF: 584.6/18

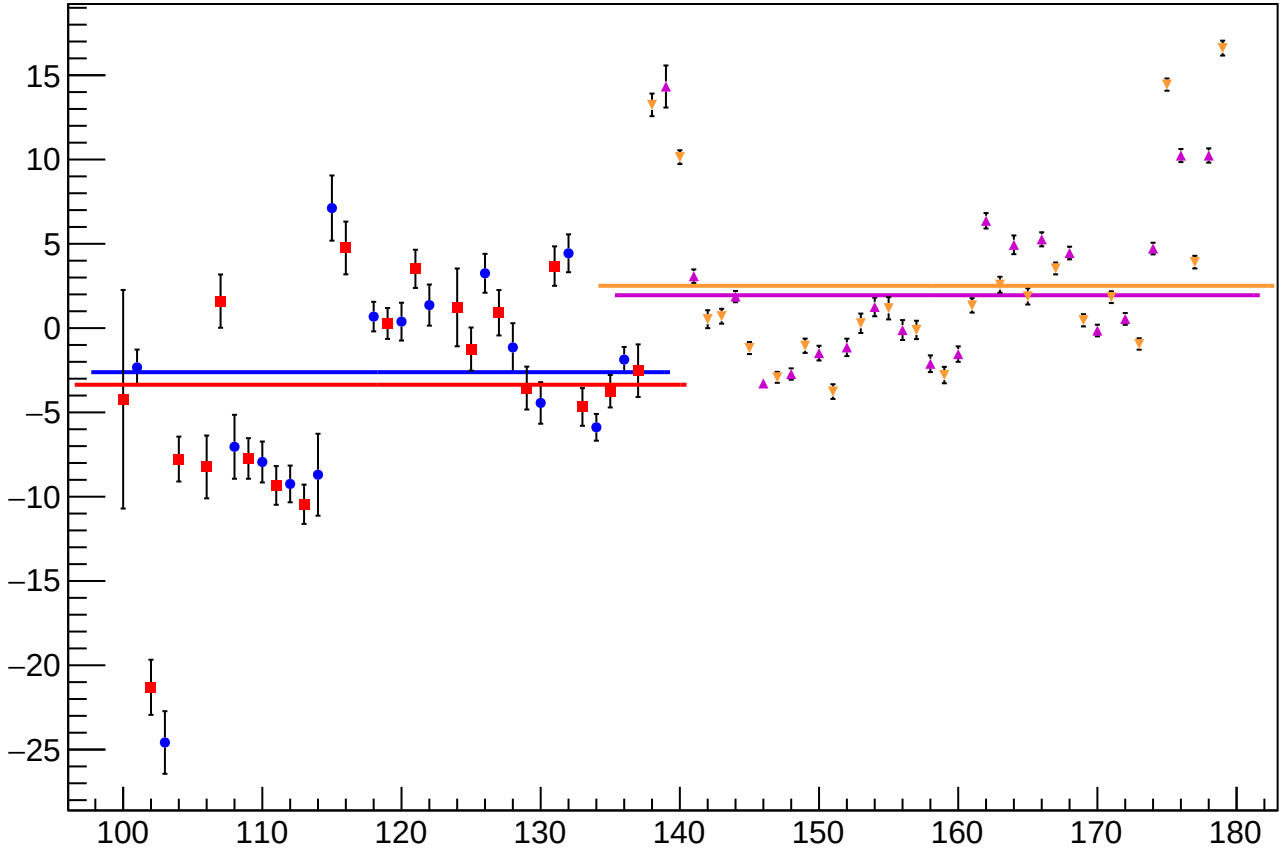
Left In: -18.023+/-0.124 χ^2/NDF:7081.8/19

+ sign -16.799+/-0.110 χ^2/NDF: 12838.4/37

All: -16.073+/-0.078 χ^2/NDF: 23195.2/76

- sign -15.327+/-0.112 χ^2/NDF: 10268.6/38

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug



Right In: -2.615+/-0.286 χ^2/NDF: 351.9/15

Left Out: 2.509+/-0.090 χ^2/NDF:3729.4/21

Right Out: -3.359+/-0.299 χ^2/NDF: 359.6/18

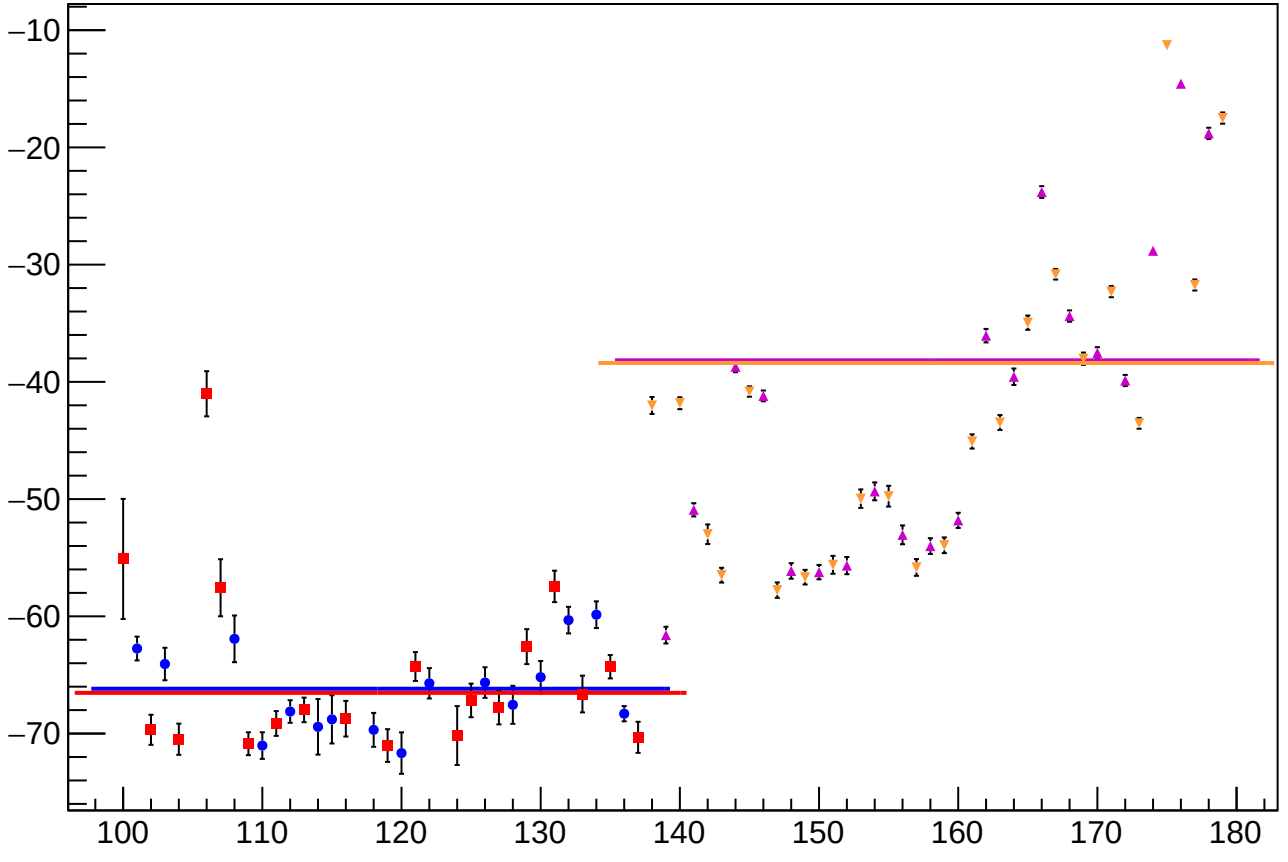
Left In: 1.950+/-0.092 χ^2/NDF:2061.3/19

+ sign 2.050+/-0.085 χ^2/NDF: 4374.1/37

All: 1.778+/-0.061 χ^2/NDF: 7104.4/76

- sign 1.493+/-0.088 χ^2/NDF: 2709.5/38

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug



Right In: -66.176+/-0.304 χ^2/NDF: 129.2/15

Left Out: -38.388+/-0.120 χ^2/NDF:12796.3/21

Right Out: -66.526+/-0.312 χ^2/NDF: 321.7/18

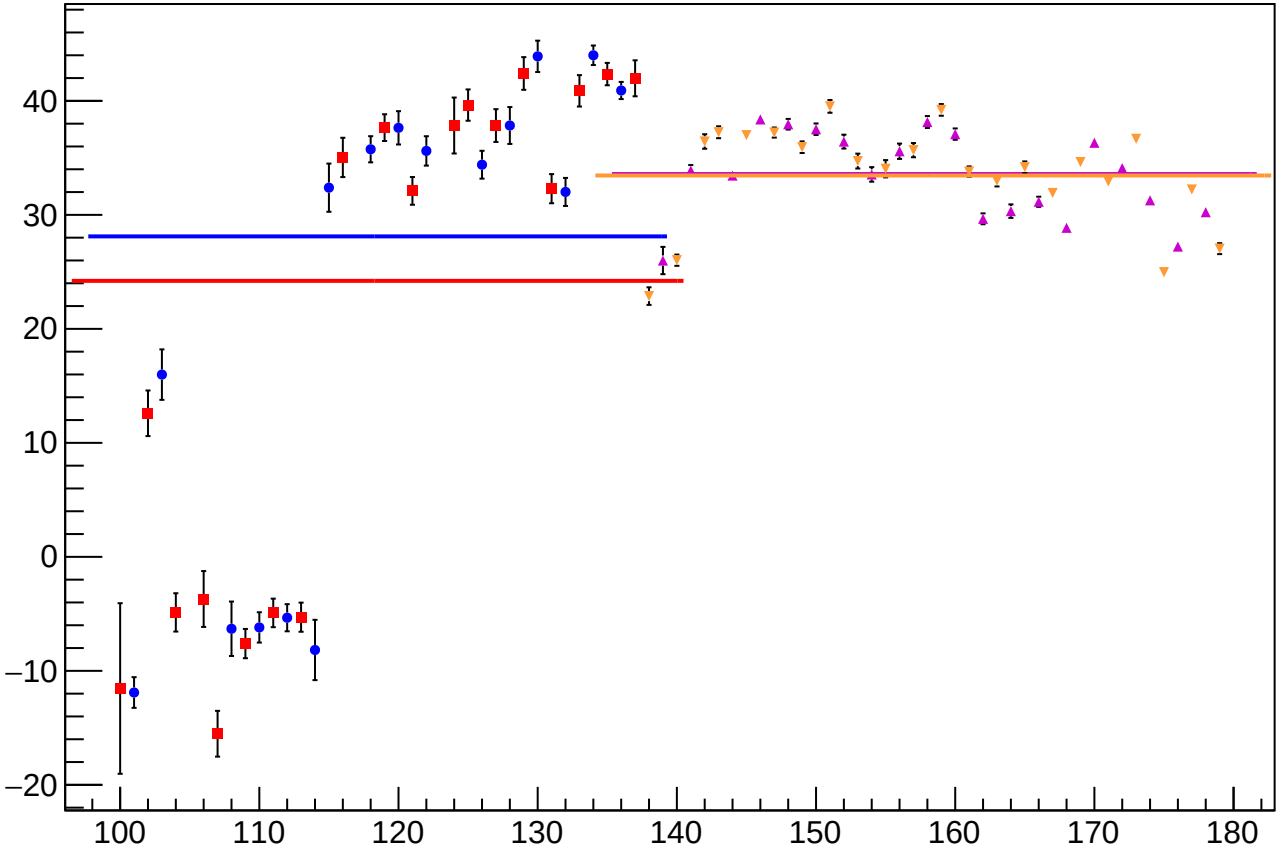
Left In: -38.163+/-0.123 χ^2/NDF:11376.7/19

+ sign -42.125+/-0.112 χ^2/NDF: 20142.1/37

All: -42.042+/-0.080 χ^2/NDF: 38978.8/76

- sign -41.956+/-0.114 χ^2/NDF: 18835.6/38

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug



Right In: 28.112+/-0.320 χ^2/NDF: 3727.7/15

Left Out: 33.454+/-0.101 χ^2/NDF:1712.7/21

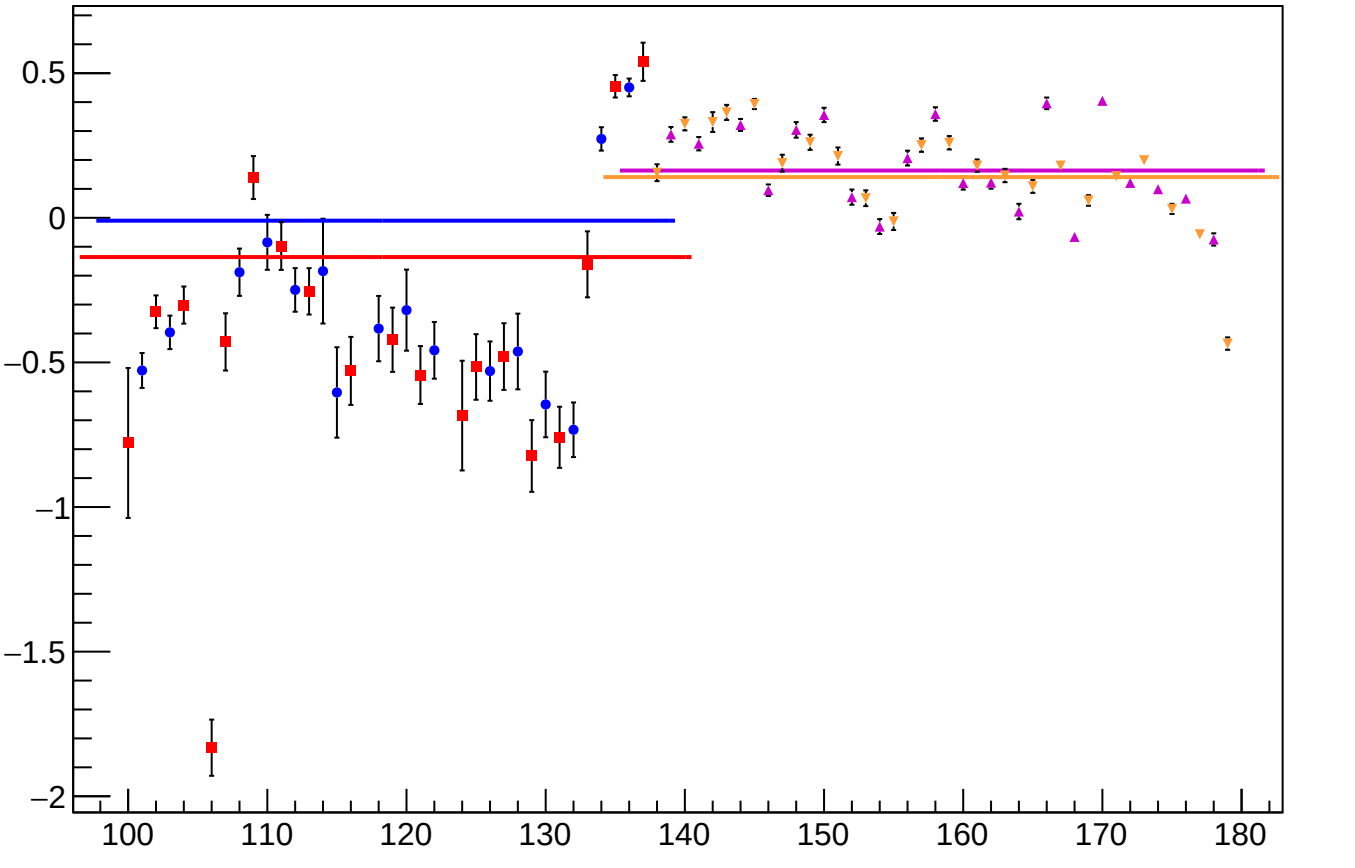
Right Out: 24.212+/-0.336 χ^2/NDF: 3841.7/18

Left In: 33.581+/-0.104 χ^2/NDF:1157.3/19

\+ sign 32.967+/-0.097 χ^2/NDF: 5693.7/37

All: 32.868+/-0.069 χ^2/NDF: 11406.2/76

\- sign 32.763+/-0.099 χ^2/NDF: 5710.3/38



Right In: -0.010+/-0.017 χ^2/NDF: 587.4/15

Left Out: 0.141+/-0.005 χ^2/NDF:1427.8/21

Right Out: -0.136+/-0.019 χ^2/NDF: 818.5/18

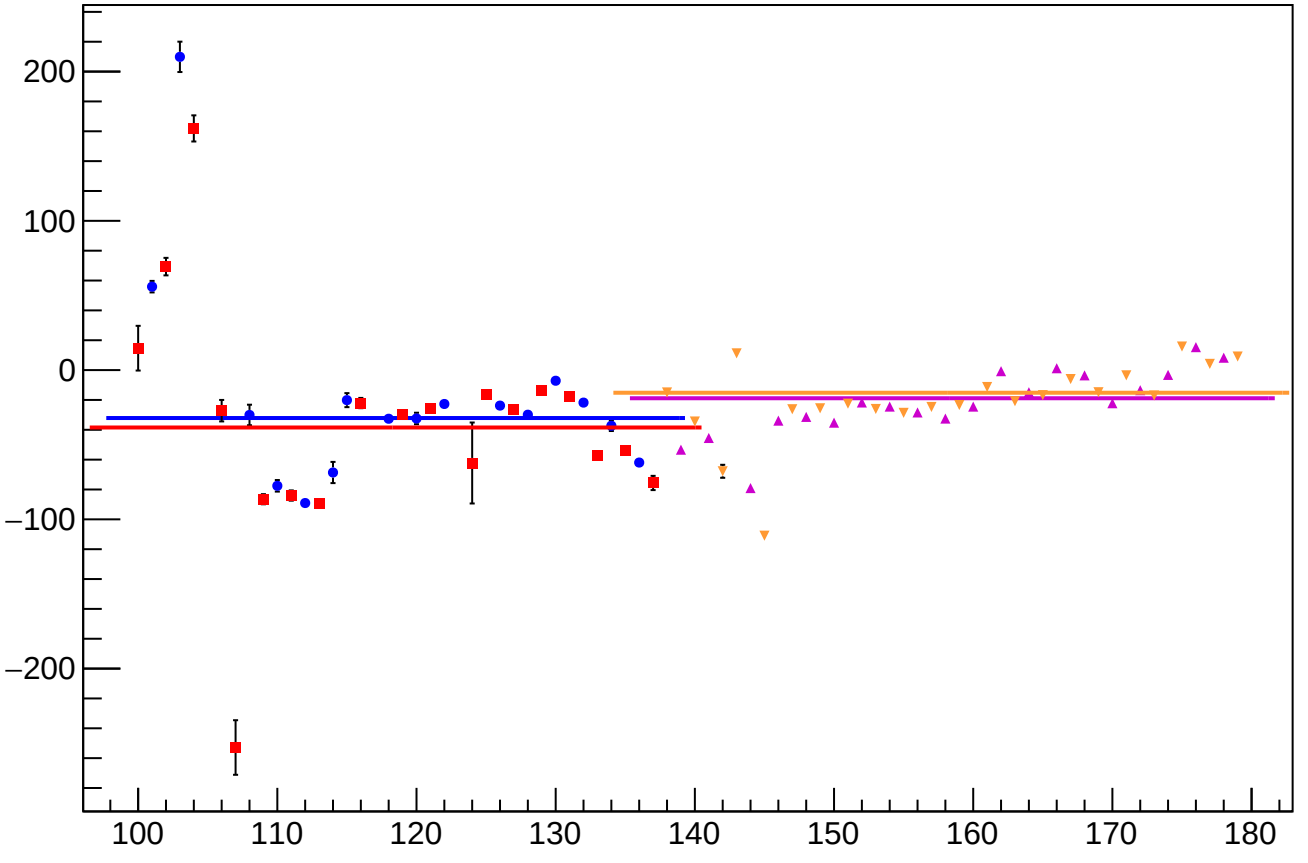
Left In: 0.163+/-0.005 χ^2/NDF:1096.0/19

+ sign 0.131+/-0.004 χ^2/NDF: 2085.9/37

All: 0.139+/-0.003 χ^2/NDF: 4244.5/76

- sign 0.146+/-0.004 χ^2/NDF: 2152.6/38

reg_asym_atl1_diff_bpm1X_slope vs Slug



Right In: -32.117+/-0.843 χ^2/NDF: 1877.5/15

Left Out: -15.172+/-0.572 χ^2/NDF:1763.0/21

Right Out: -38.462+/-0.864 χ^2/NDF: 1972.5/18

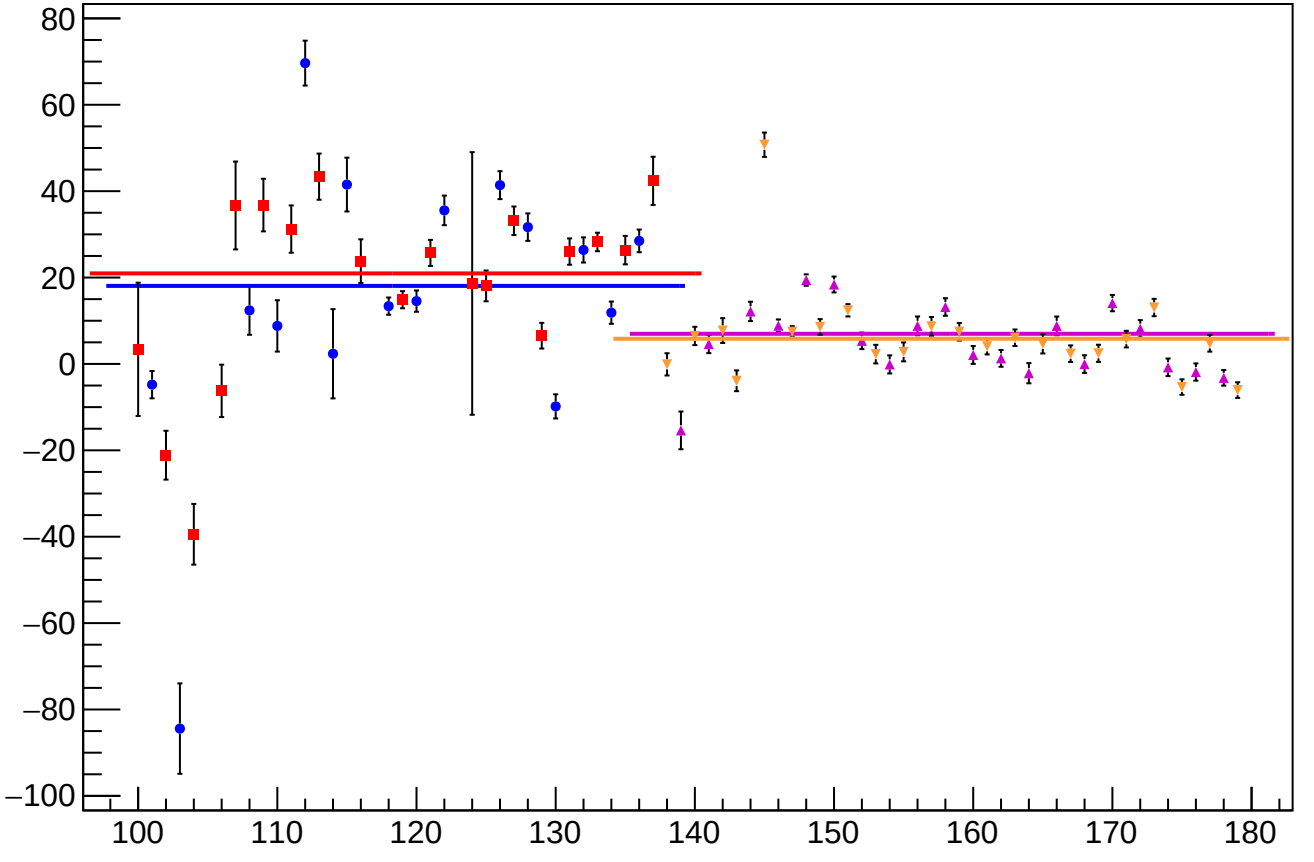
Left In: -18.872+/-0.592 χ^2/NDF:1429.0/19

+ sign -20.512+/-0.473 χ^2/NDF: 3917.4/37

All: -22.746+/-0.340 χ^2/NDF: 7714.5/76

- sign -25.127+/-0.488 χ^2/NDF: 3751.1/38

reg_asym_atl1_diff_bpm4aY_slope vs Slug



Right In: 18.068+/-0.823 χ^2/NDF: 499.6/15

Left Out: 5.830+/-0.417 χ^2/NDF:411.6/21

Right Out: 20.959+/-0.868 χ^2/NDF: 262.6/18

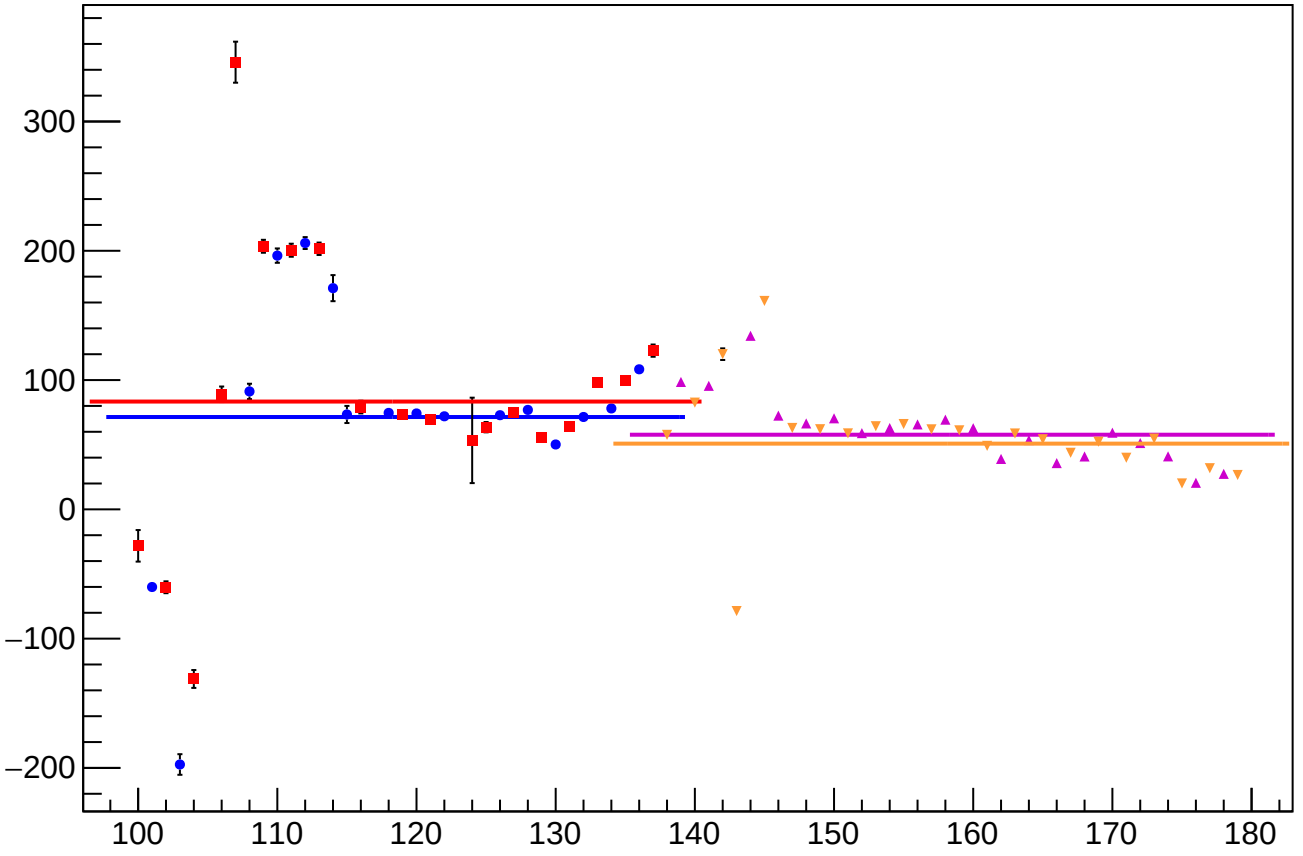
Left In: 6.982+/-0.437 χ^2/NDF:306.6/19

+ sign 8.330+/-0.372 χ^2/NDF: 1087.3/37

All: 9.032+/-0.269 χ^2/NDF: 1870.8/76

- sign 9.806+/-0.390 χ^2/NDF: 776.0/38

reg_asym_atl1_diff_bpm4eX_slope vs Slug



Right In: 71.421+/-0.931 χ^2/NDF: 4819.6/15

Left Out: 50.833+/-0.562 χ^2/NDF:3645.8/21

Right Out: 83.385+/-0.985 χ^2/NDF: 4297.3/18

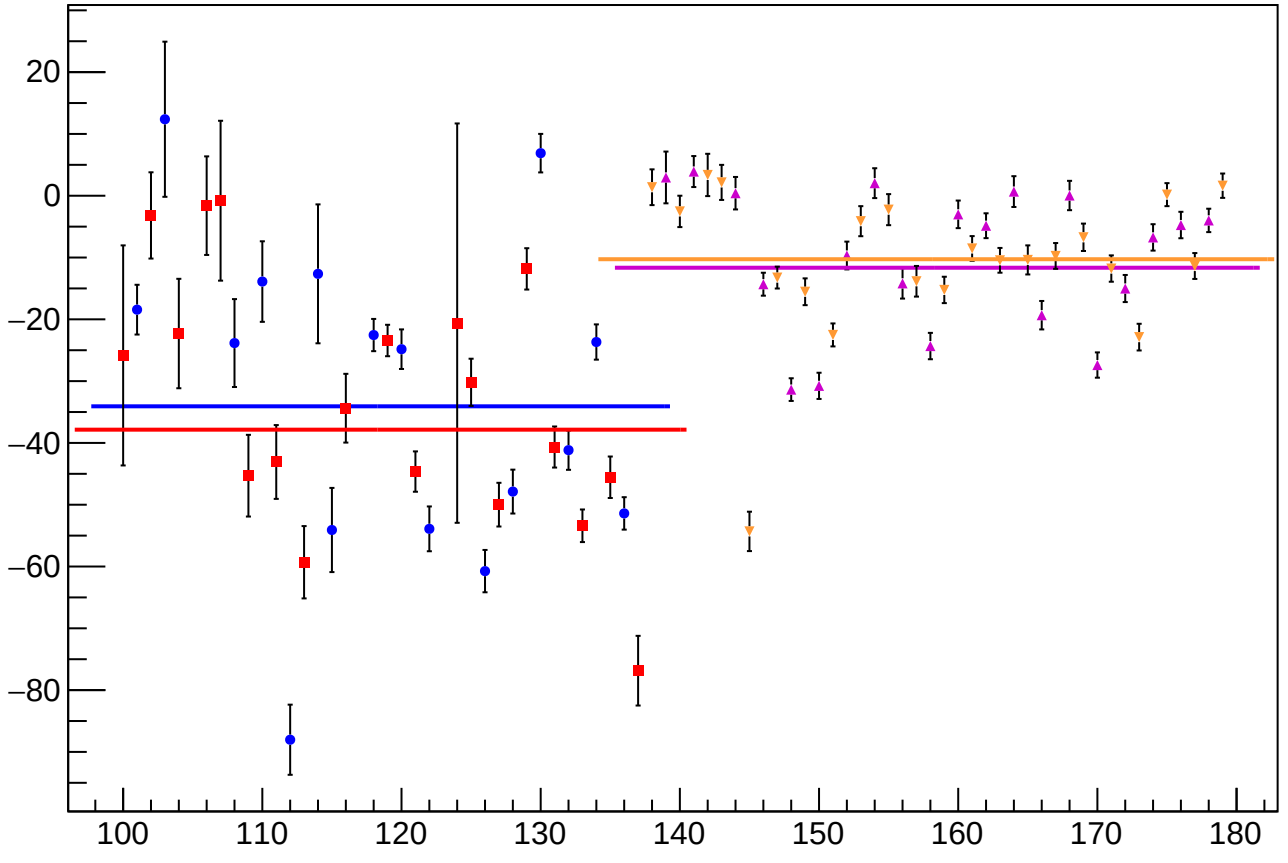
Left In: 57.727+/-0.583 χ^2/NDF:1868.5/19

+ sign 56.332+/-0.481 χ^2/NDF: 8823.6/37

All: 60.188+/-0.347 χ^2/NDF: 15625.9/76

- sign 64.374+/-0.501 χ^2/NDF: 6668.4/38

reg_asym_atl1_diff_bpm4eY_slope vs Slug



Right In: -34.077+/-0.942 χ^2/NDF: 511.2/15

Left Out: -10.274+/-0.475 χ^2/NDF:434.0/21

Right Out: -37.855+/-0.994 χ^2/NDF: 274.6/18

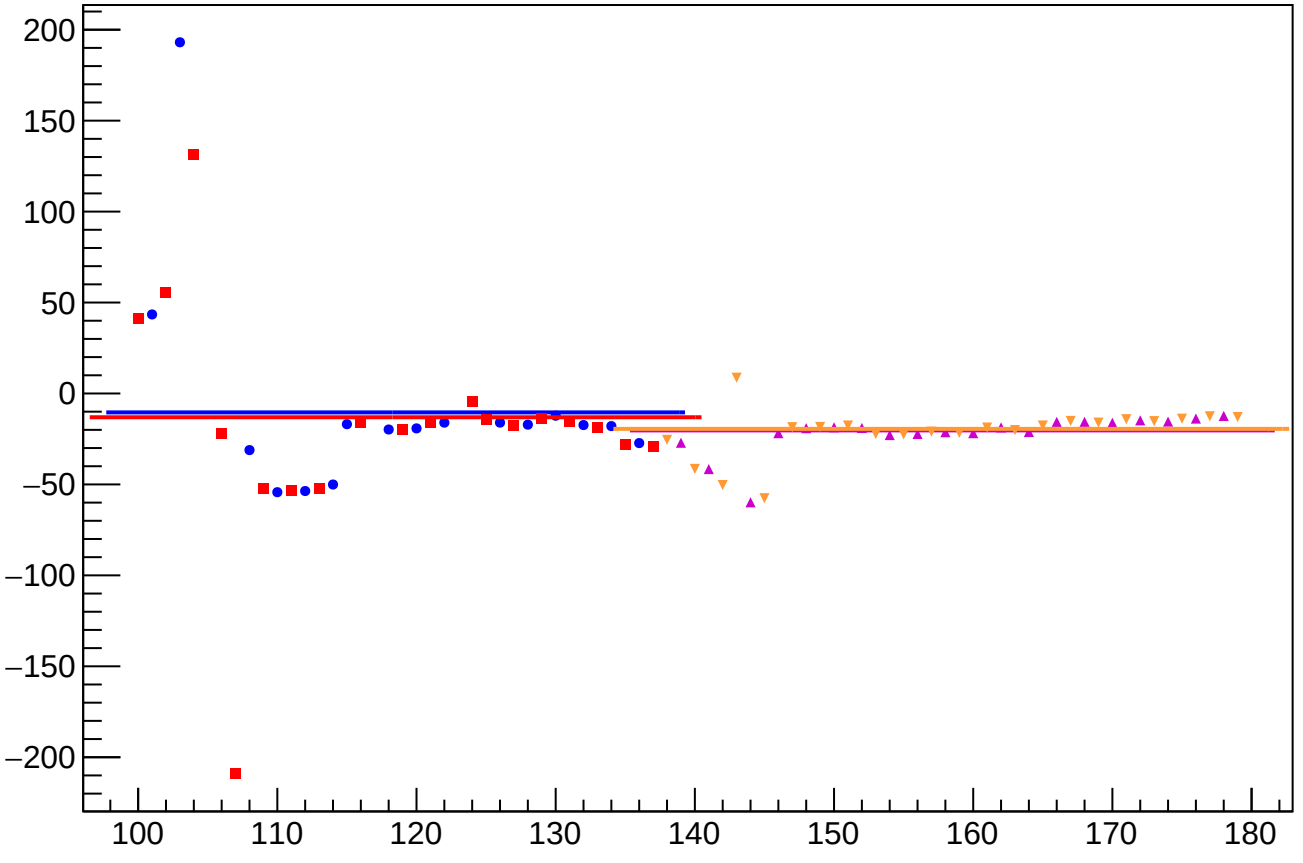
Left In: -11.651+/-0.496 χ^2/NDF:519.5/19

+ sign -15.094+/-0.424 χ^2/NDF: 1454.2/37

All: -15.946+/-0.307 χ^2/NDF: 2813.3/76

- sign -16.880+/-0.444 χ^2/NDF: 1350.6/38

reg_asym_atl1_diff_bpm12X_slope vs Slug



Right In: -10.400+/-0.057 χ^2/NDF: 522334.6/15

Left Out: -19.453+/-0.021 χ^2/NDF:225104.2/21

Right Out: -13.074+/-0.063 χ^2/NDF: 449609.3/18

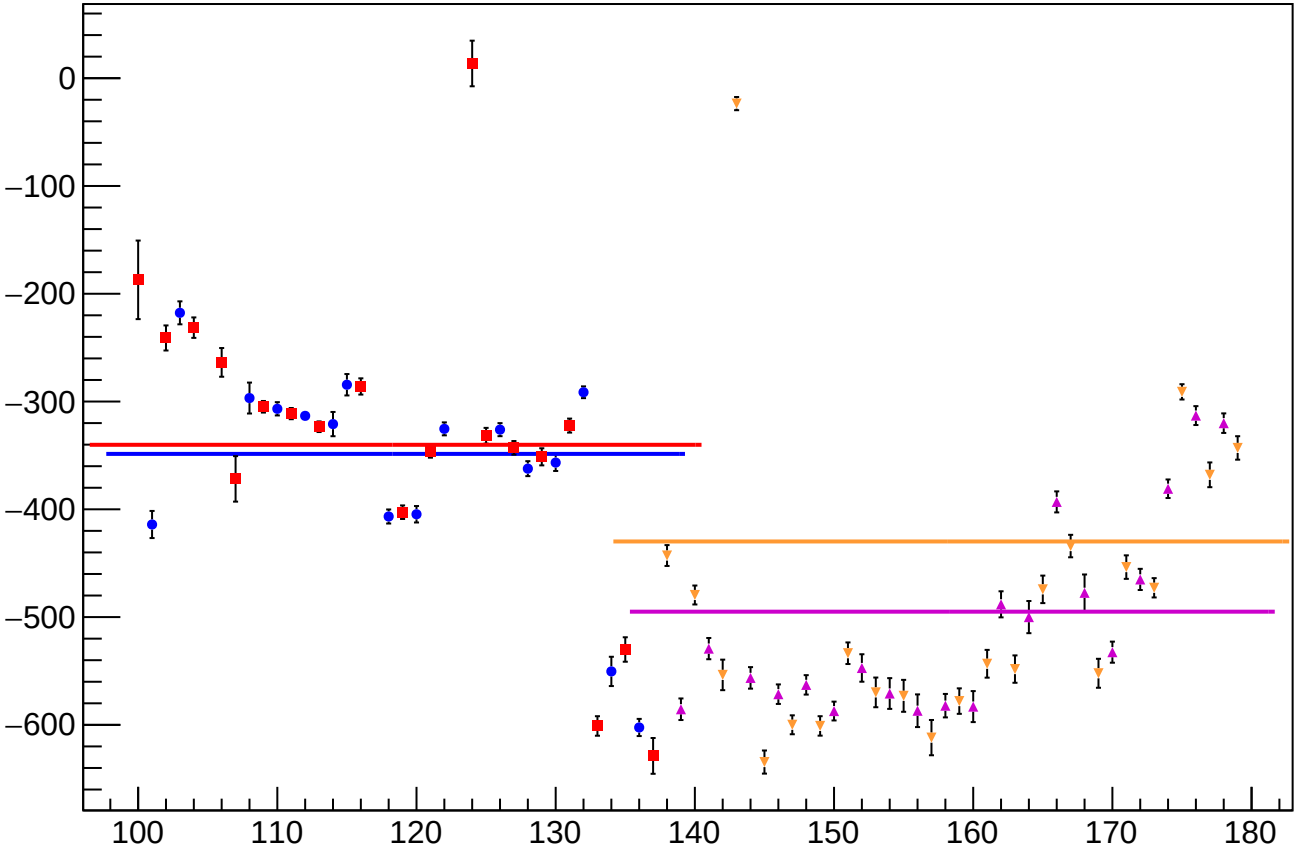
Left In: -20.303+/-0.022 χ^2/NDF:145813.5/19

+ sign -18.328+/-0.020 χ^2/NDF: 769672.7/37

All: -18.904+/-0.014 χ^2/NDF: 1378675.7/76

- sign -19.516+/-0.021 χ^2/NDF: 607299.8/38

reg_asym_atl2_diff_bpm1X_slope vs Slug



Right In: -348.586+/-1.825 χ^2/NDF: 1858.3/15

Left Out: -429.836+/-2.183 χ^2/NDF:6961.4/21

Right Out: -340.144+/-1.759 χ^2/NDF: 2197.1/18

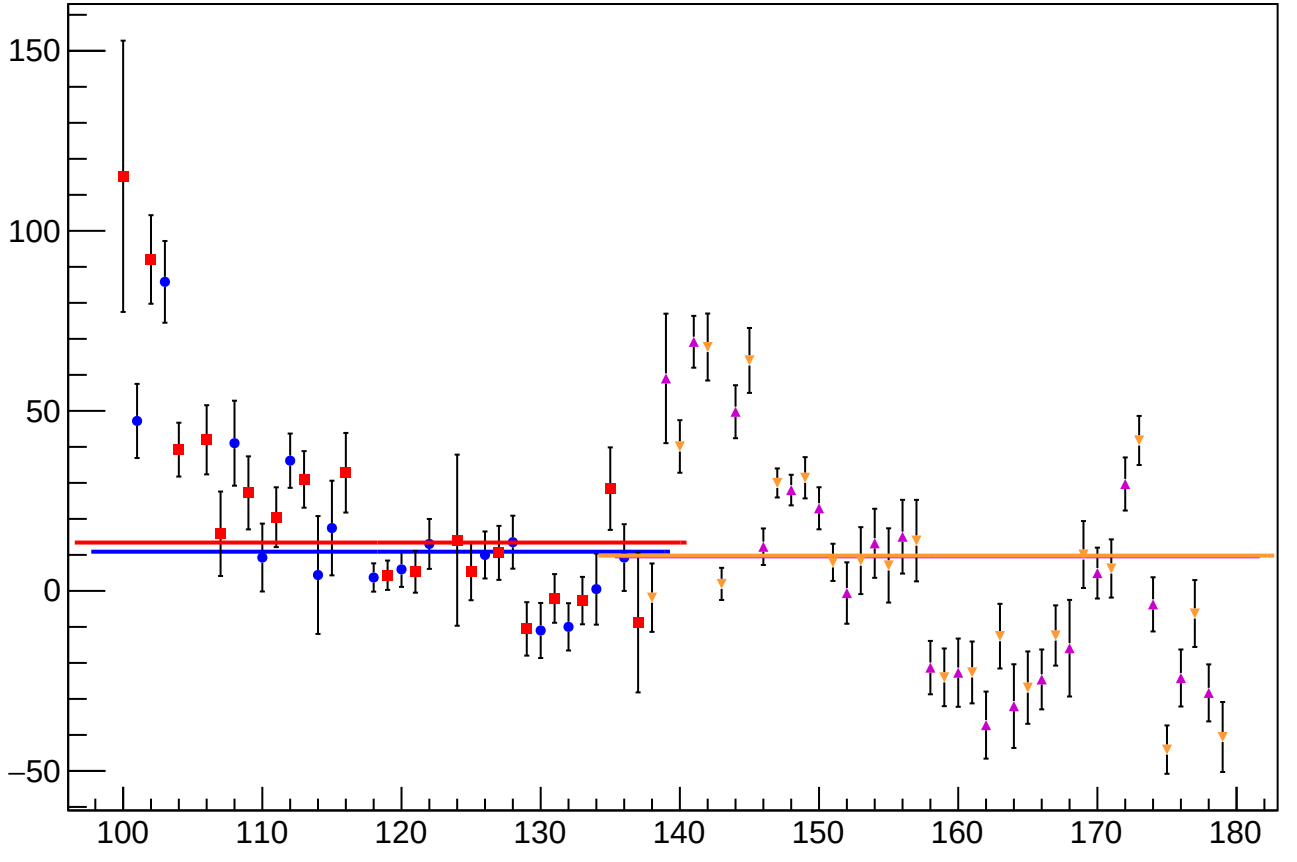
Left In: -494.978+/-2.348 χ^2/NDF:1668.4/19

+ sign -381.997+/-1.400 χ^2/NDF: 9635.0/37

All: -388.872+/-0.993 χ^2/NDF: 16334.2/76

- sign -395.825+/-1.408 χ^2/NDF: 6650.6/38

reg_asym_atl2_diff_bpm4aY_slope vs Slug



Right In: 10.888+/-1.843 χ^2/NDF: 98.2/15

Left Out: 9.805+/-1.542 χ^2/NDF:311.5/21

Right Out: 13.427+/-1.854 χ^2/NDF: 112.4/18

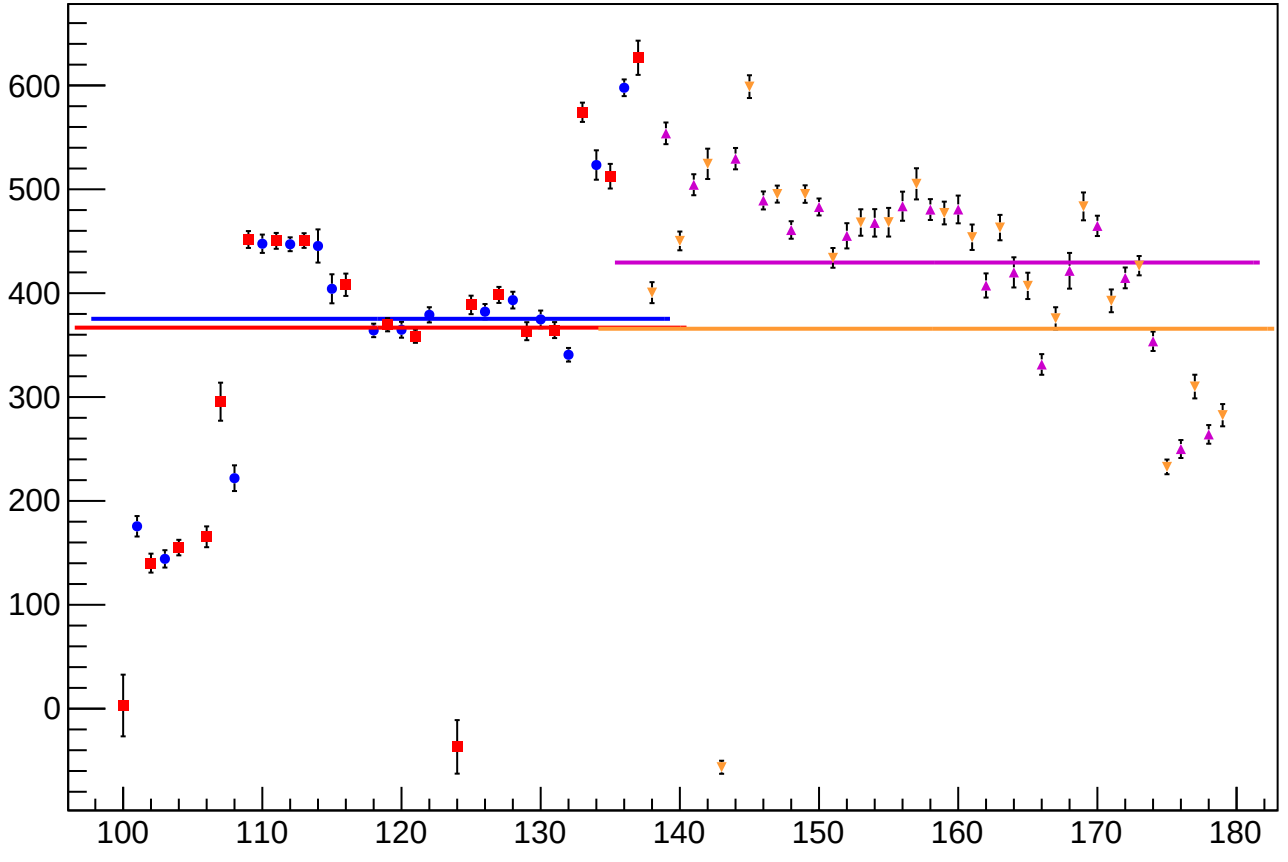
Left In: 9.604+/-1.678 χ^2/NDF:271.8/19

\+ sign 10.251+/-1.183 χ^2/NDF: 409.9/37

All: 10.761+/-0.857 χ^2/NDF: 796.9/76

\- sign 11.326+/-1.244 χ^2/NDF: 386.5/38

reg_asym_atl2_diff_bpm4eX_slope vs Slug



Right In: 375.321+/-2.103 χ^2/NDF: 2449.5/15

Left Out: 365.762+/-2.158 χ^2/NDF:6702.8/21

Right Out: 366.830+/-2.049 χ^2/NDF: 3541.1/18

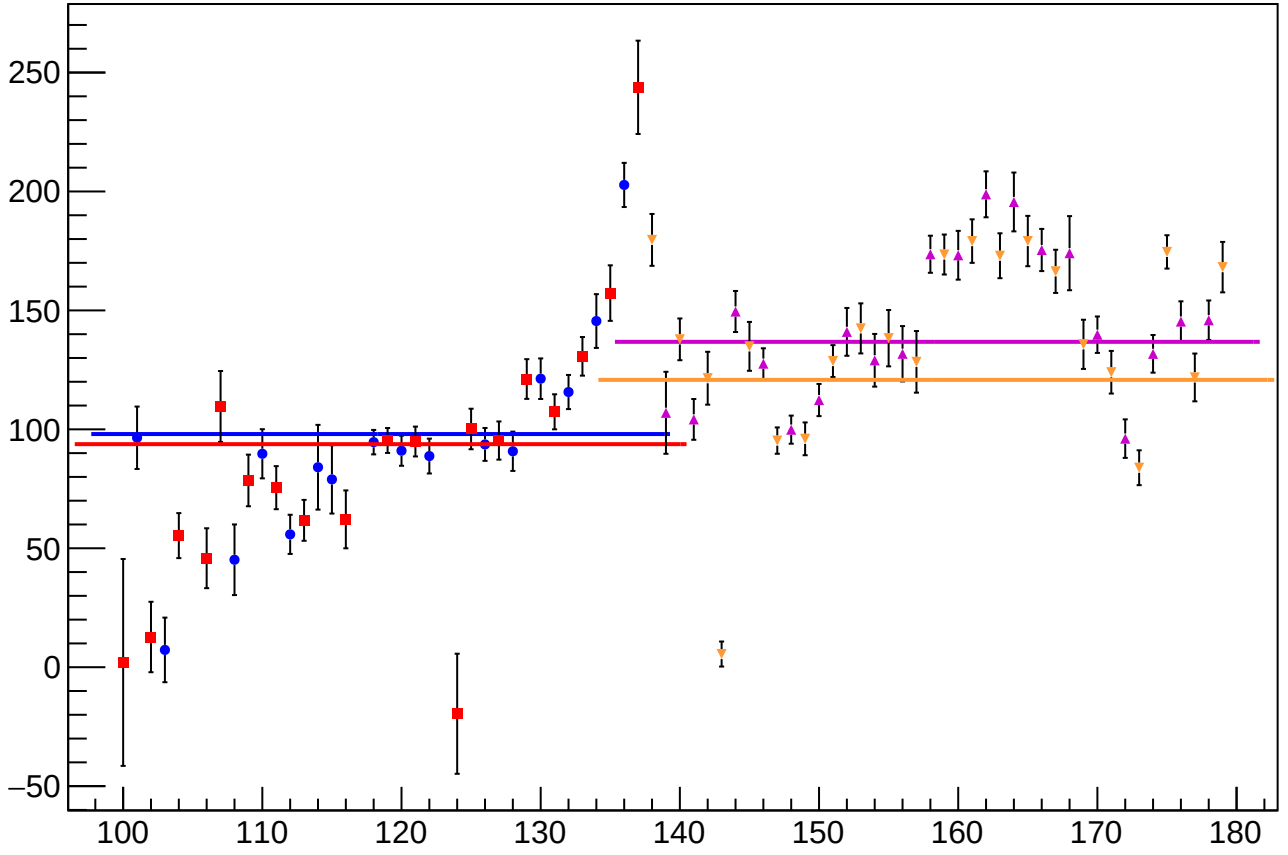
Left In: 429.496+/-2.311 χ^2/NDF:1416.8/19

+ sign 370.666+/-1.506 χ^2/NDF: 9162.3/37

All: 382.329+/-1.074 χ^2/NDF: 14653.9/76

- sign 394.418+/-1.533 χ^2/NDF: 5369.5/38

reg_asym_atl2_diff_bpm4eY_slope vs Slug



Right In: 98.021+/-2.144 χ^2/NDF: 249.5/15

Left Out: 120.810+/-1.793 χ^2/NDF:829.5/21

Right Out: 93.771+/-2.138 χ^2/NDF: 237.1/18

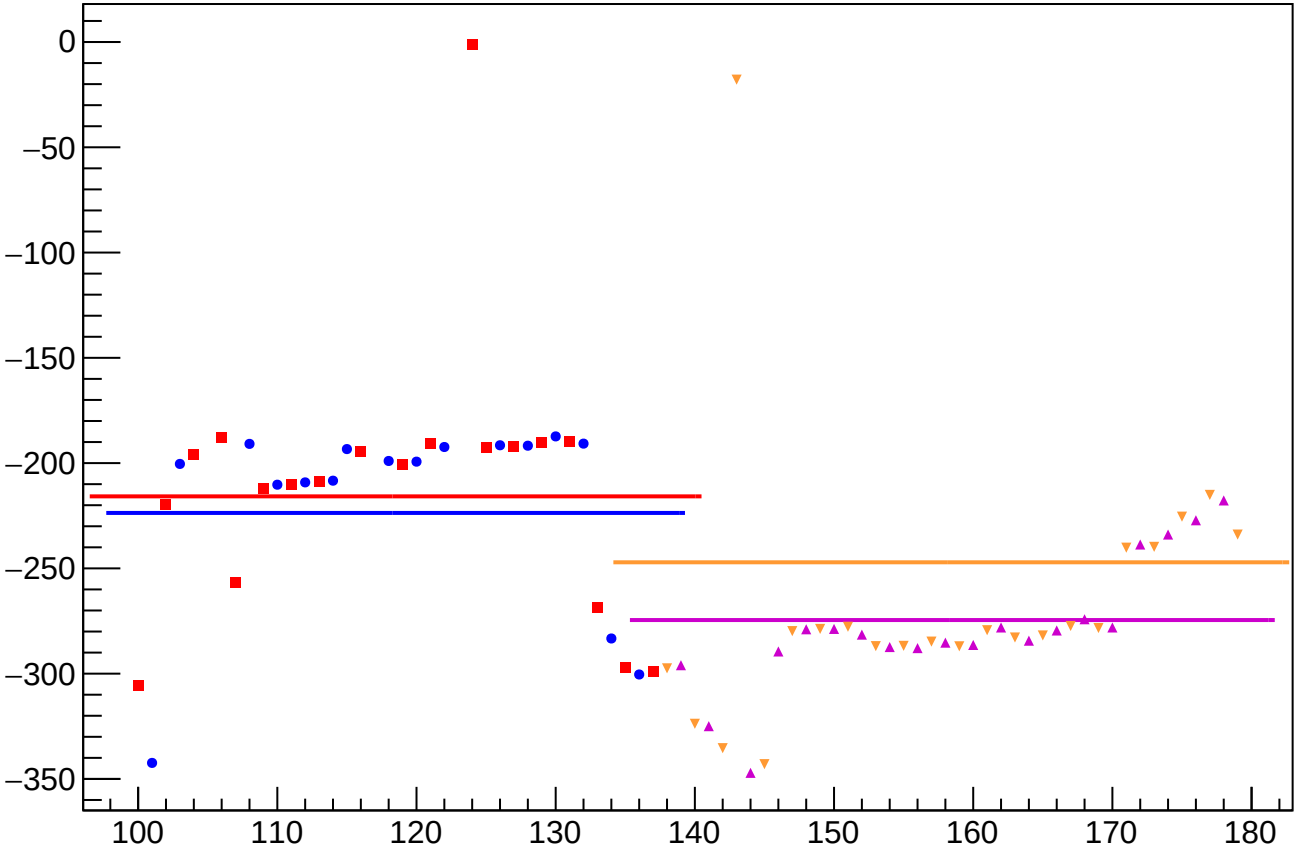
Left In: 136.787+/-1.935 χ^2/NDF:226.1/19

+ sign 111.432+/-1.375 χ^2/NDF: 1145.5/37

All: 114.300+/-0.993 χ^2/NDF: 1840.3/76

- sign 117.421+/-1.435 χ^2/NDF: 685.7/38

reg_asym_atl2_diff_bpm12X_slope vs Slug



Right In: -223.666+/-0.138 χ^2/NDF: 121528.3/15

Left Out: -247.115+/-0.084 χ^2/NDF:986236.4/21

Right Out: -215.797+/-0.134 χ^2/NDF: 81516.6/18

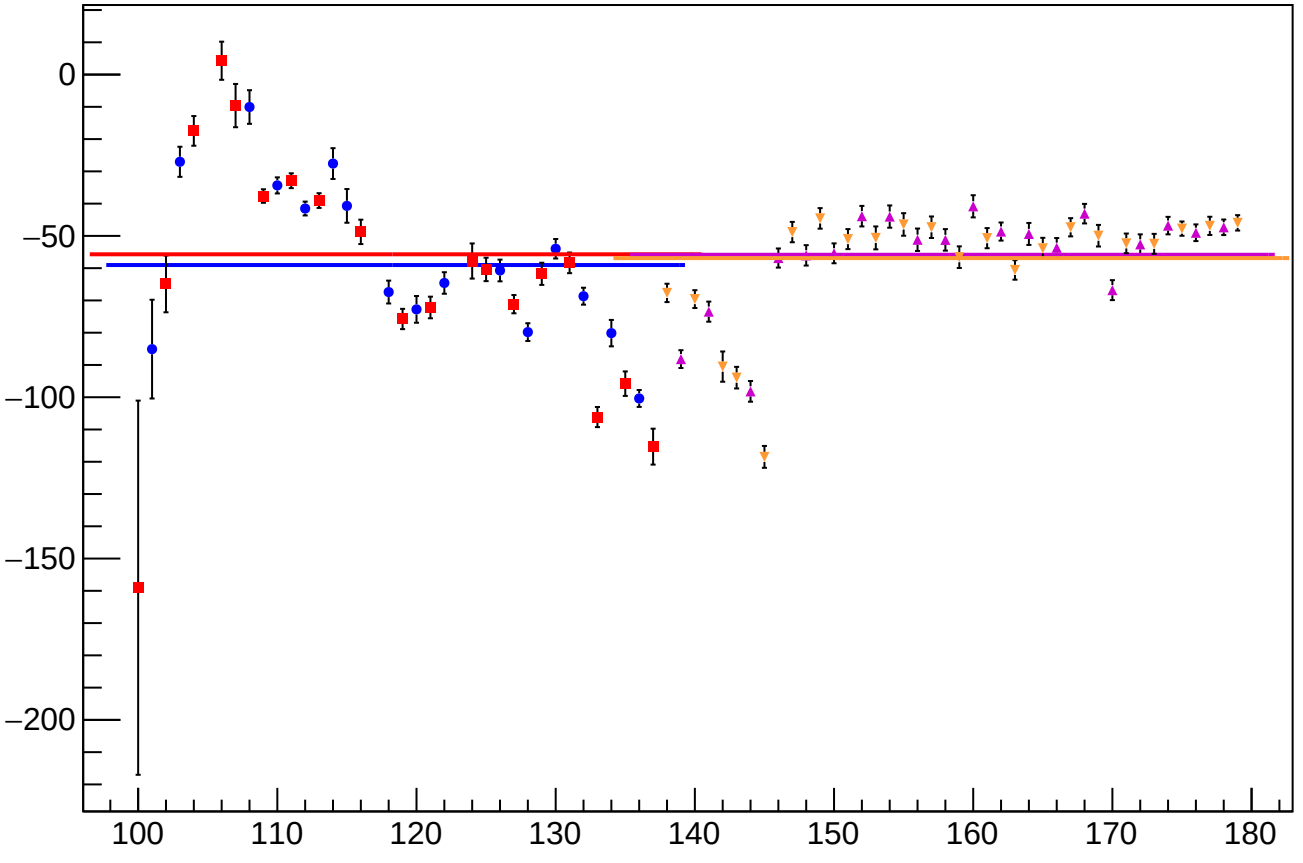
Left In: -274.539+/-0.088 χ^2/NDF:112181.6/19

+ sign -240.754+/-0.072 χ^2/NDF: 1128717.6/37

All: -248.591+/-0.052 χ^2/NDF: 1480259.9/76

- sign -256.813+/-0.074 χ^2/NDF: 327282.7/38

reg_asym_atr1_diff_bpm1X_slope vs Slug



Right In: -59.030+/-0.829 χ^2/NDF: 727.3/15

Left Out: -56.881+/-0.651 χ^2/NDF:662.1/21

Right Out: -55.701+/-0.790 χ^2/NDF: 1041.1/18

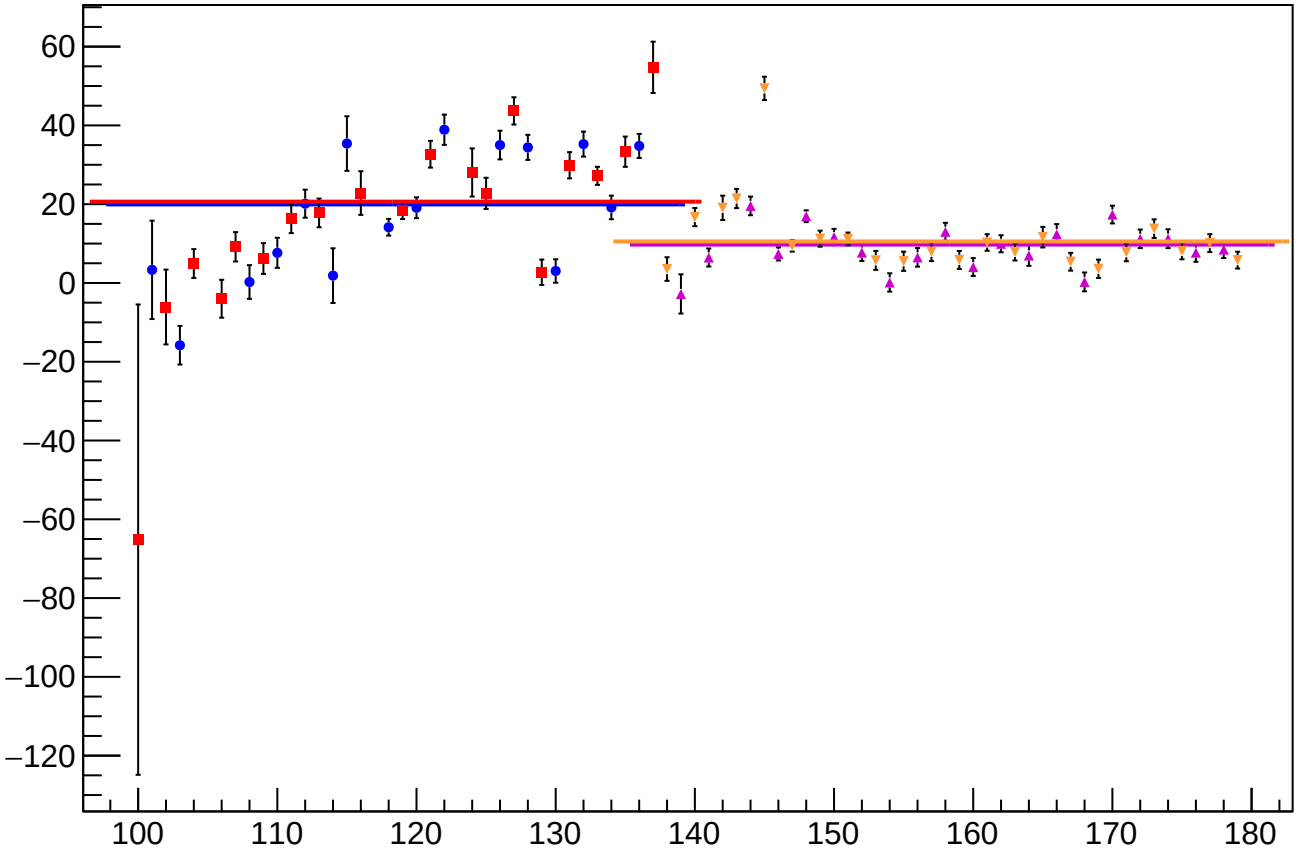
Left In: -55.850+/-0.676 χ^2/NDF:465.1/19

+ sign -57.701+/-0.512 χ^2/NDF: 1393.6/37

All: -56.746+/-0.363 χ^2/NDF: 2906.8/76

- sign -55.787+/-0.513 χ^2/NDF: 1506.3/38

reg_asym_atr1_diff_bpm4aY_slope vs Slug



Right In: 19.946+/-0.867 χ^2/NDF: 247.2/15

Left Out: 10.533+/-0.473 χ^2/NDF:252.1/21

Right Out: 20.643+/-0.844 χ^2/NDF: 224.8/18

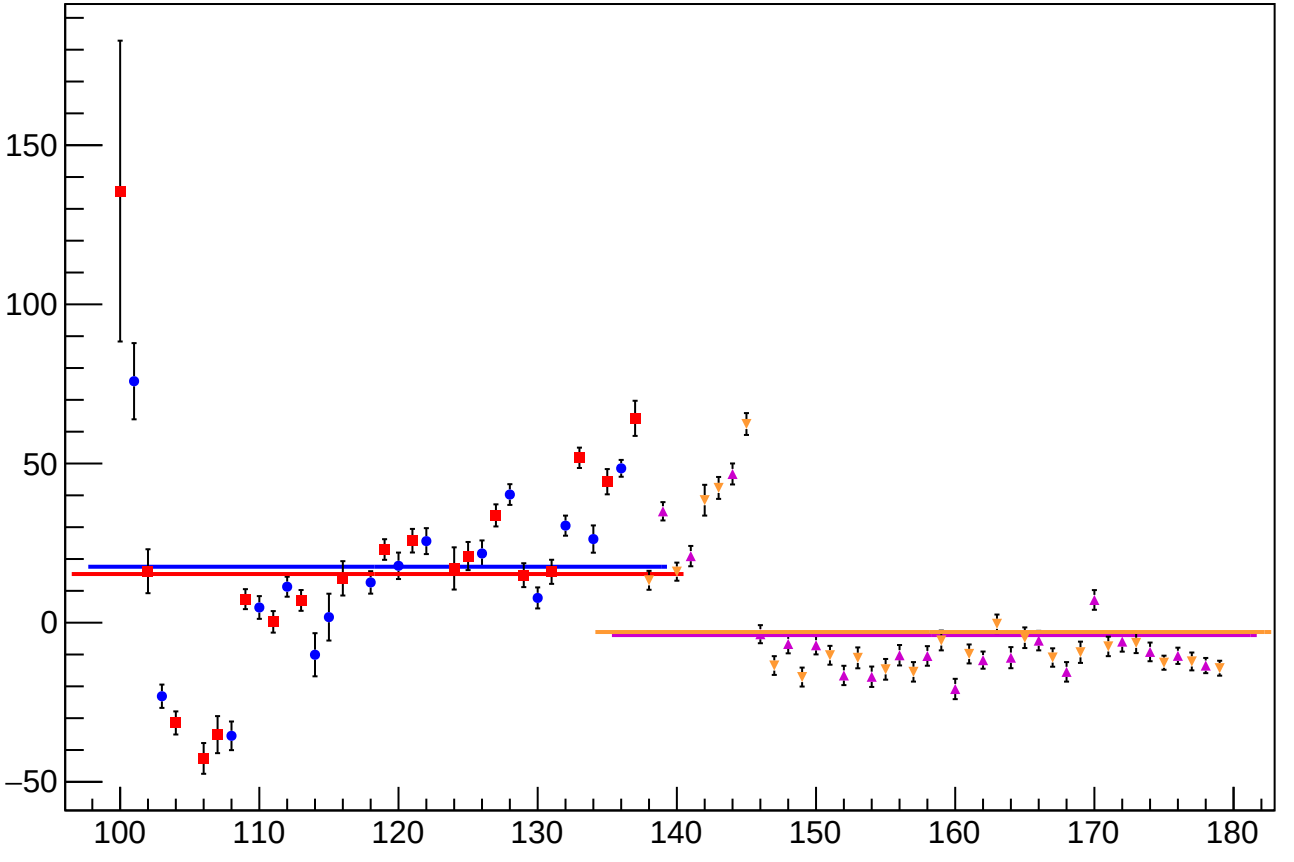
Left In: 9.741+/-0.497 χ^2/NDF:110.9/19

\+ sign 12.690+/-0.415 χ^2/NDF: 590.0/37

All: 12.622+/-0.298 χ^2/NDF: 1049.7/76

\- sign 12.549+/-0.428 χ^2/NDF: 459.6/38

reg_asym_atr1_diff_bpm4eX_slope vs Slug



Right In: 17.574+/-0.957 χ^2/NDF: 546.2/15

Left Out: -2.934+/-0.640 χ^2/NDF:834.7/21

Right Out: 15.283+/-0.934 χ^2/NDF: 730.0/18

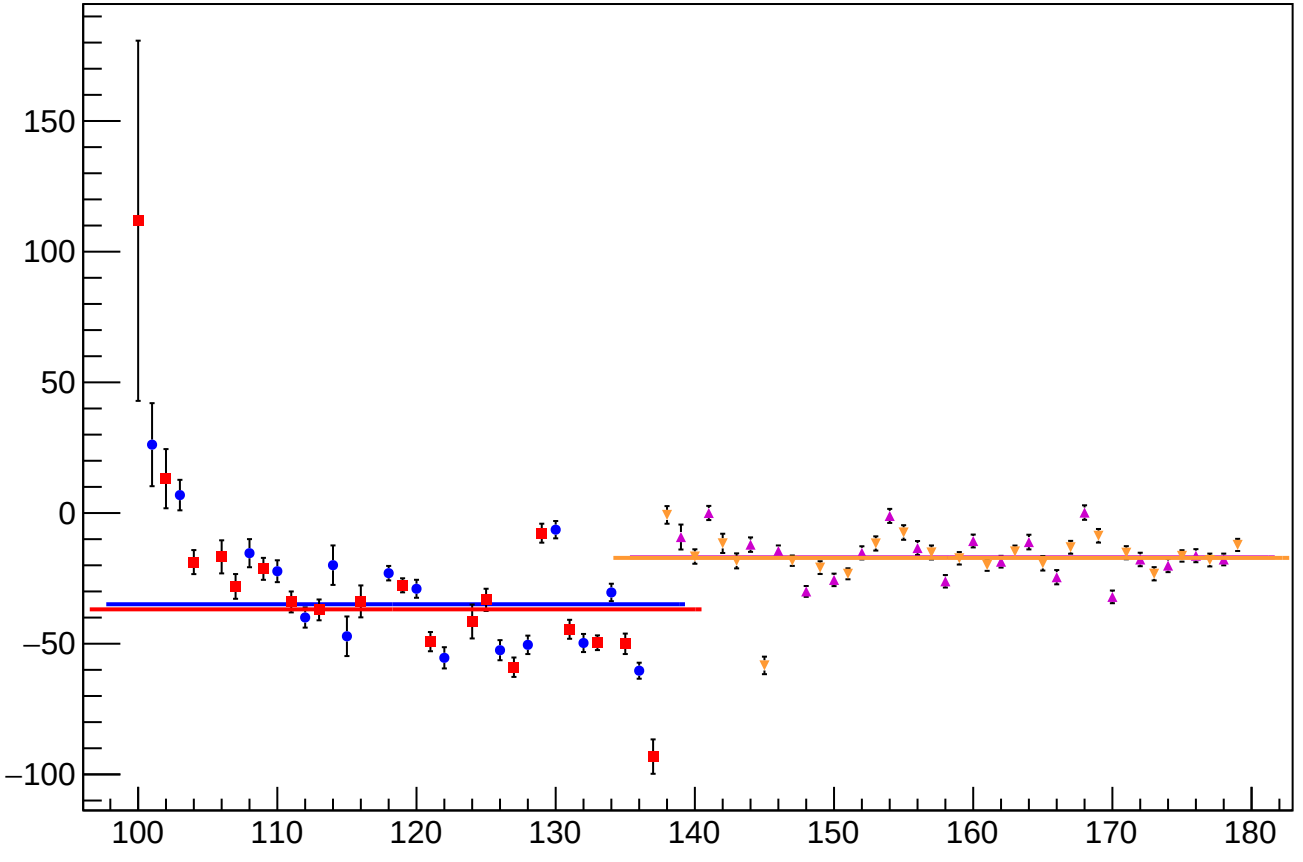
Left In: -3.895+/-0.664 χ^2/NDF:617.6/19

+ sign 3.408+/-0.532 χ^2/NDF: 1698.4/37

All: 2.984+/-0.379 χ^2/NDF: 3327.4/76

- sign 2.545+/-0.541 χ^2/NDF: 1627.7/38

reg_asym_atr1_diff_bpm4eY_slope vs Slug



Right In: -34.899+/-0.990 χ^2/NDF: 346.6/15

Left Out: -17.162+/-0.540 χ^2/NDF:232.0/21

Right Out: -36.853+/-0.970 χ^2/NDF: 301.4/18

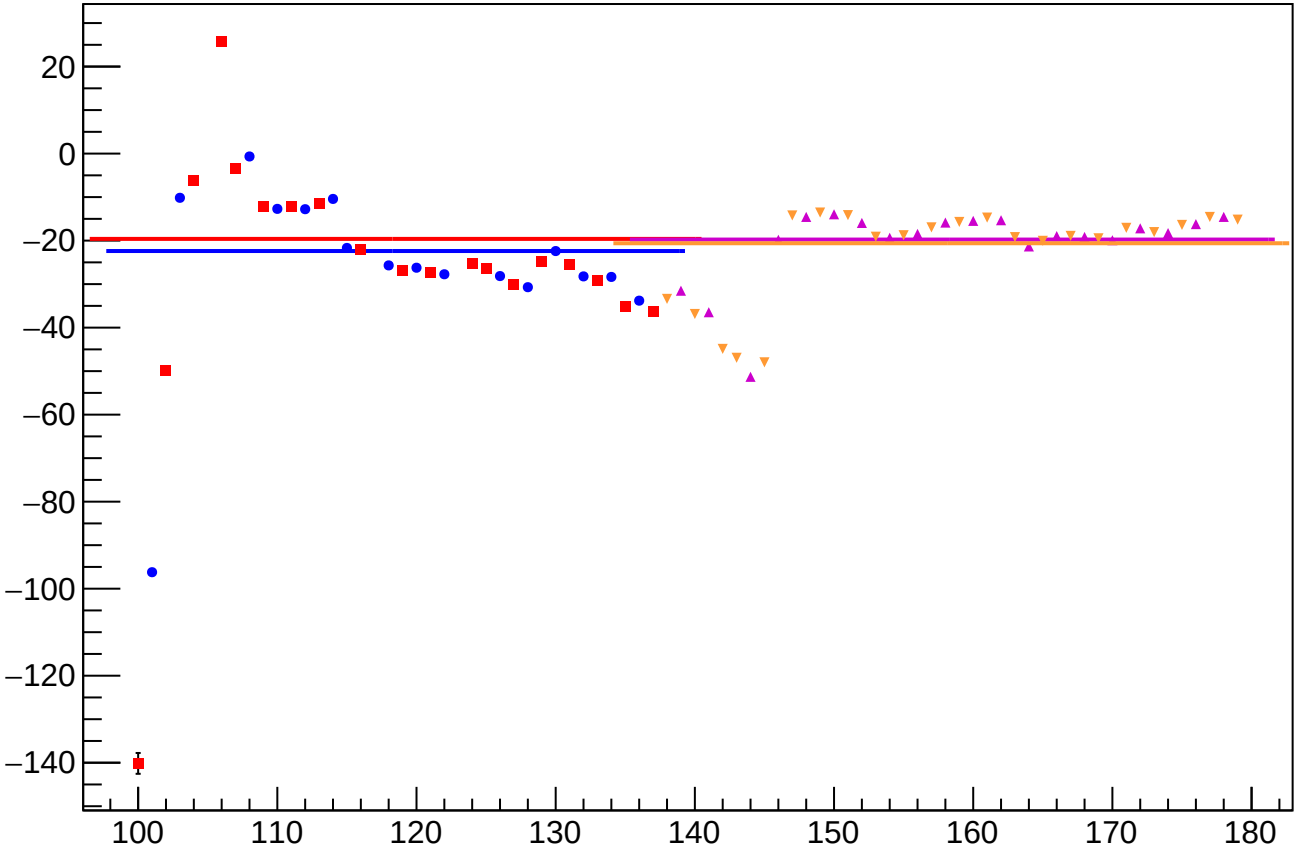
Left In: -16.944+/-0.565 χ^2/NDF:247.8/19

+ sign -21.226+/-0.474 χ^2/NDF: 825.9/37

All: -21.597+/-0.340 χ^2/NDF: 1691.3/76

- sign -21.990+/-0.488 χ^2/NDF: 864.1/38

reg_asym_atr1_diff_bpm12X_slope vs Slug



Right In: -22.394+/-0.058 χ^2/NDF: 46519.7/15

Left Out: -20.608+/-0.024 χ^2/NDF:144525.1/21

Right Out: -19.605+/-0.059 χ^2/NDF: 83865.7/18

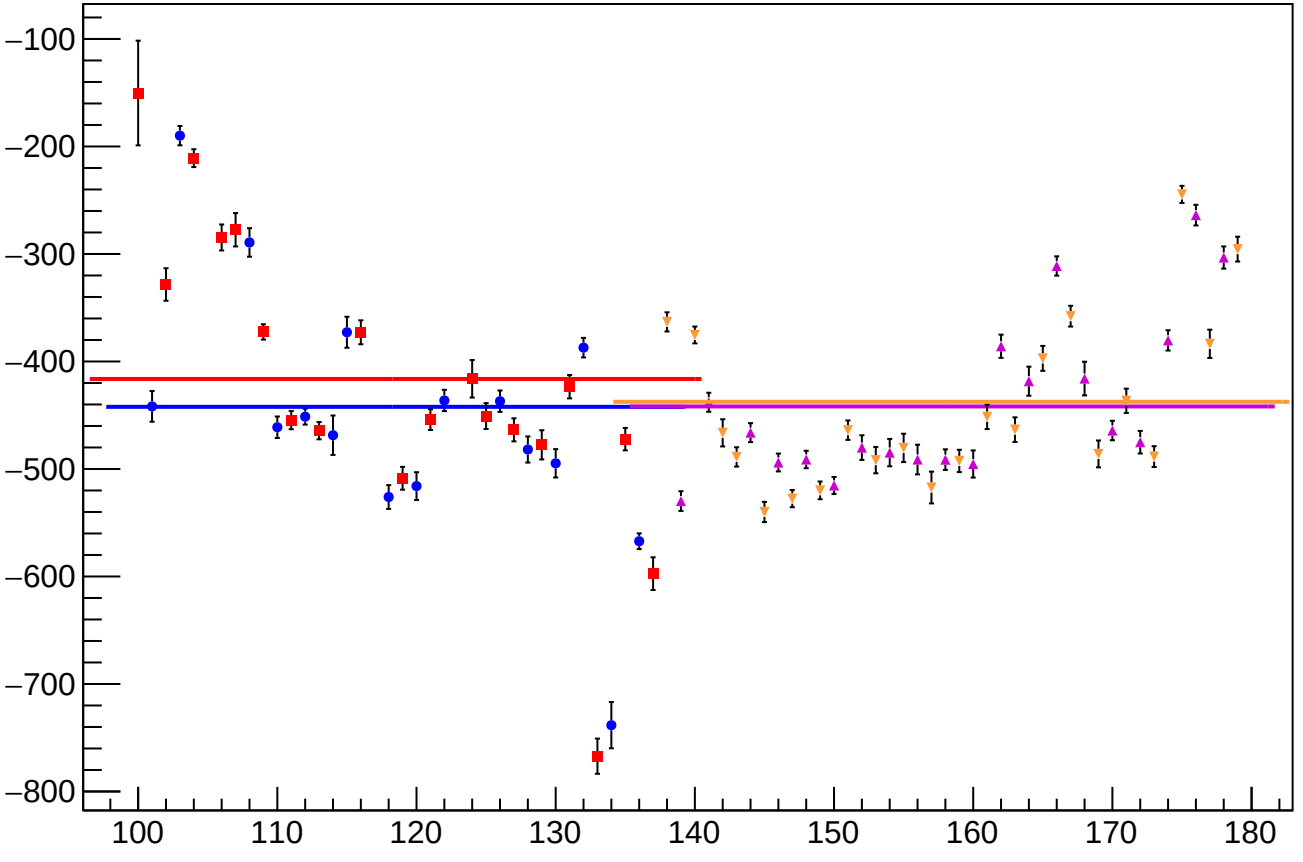
Left In: -19.758+/-0.025 χ^2/NDF:90323.6/19

+ sign -20.874+/-0.022 χ^2/NDF: 191843.7/37

All: -20.317+/-0.016 χ^2/NDF: 367291.8/76

- sign -19.736+/-0.023 χ^2/NDF: 174195.0/38

reg_asym_atr2_diff_bpm1X_slope vs Slug



Right In: -442.182+/-2.682 χ^2/NDF: 1589.1/15

Left Out: -437.500+/-2.157 χ^2/NDF:1497.2/21

Right Out: -416.259+/-2.523 χ^2/NDF: 1753.8/18

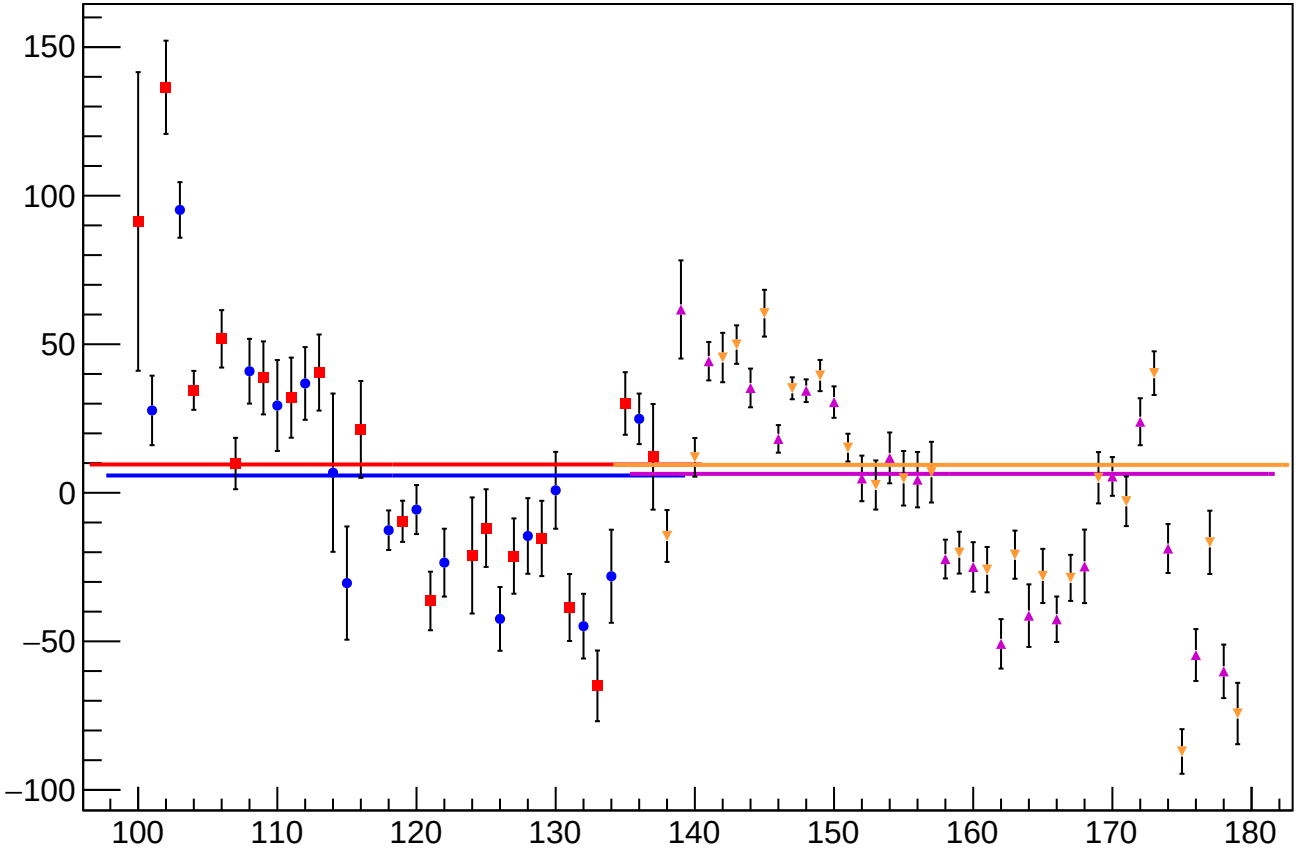
Left In: -441.841+/-2.222 χ^2/NDF:1168.8/19

+ sign -439.339+/-1.681 χ^2/NDF: 3088.2/37

All: -434.967+/-1.184 χ^2/NDF: 6082.1/76

- sign -430.665+/-1.667 χ^2/NDF: 2980.5/38

reg_asym_atr2_diff_bpm4aY_slope vs Slug



Right In: 5.824+/-2.728 χ^2/NDF: 188.1/15

Left Out: 9.400+/-1.497 χ^2/NDF:542.2/21

Right Out: 9.536+/-2.556 χ^2/NDF: 222.2/18

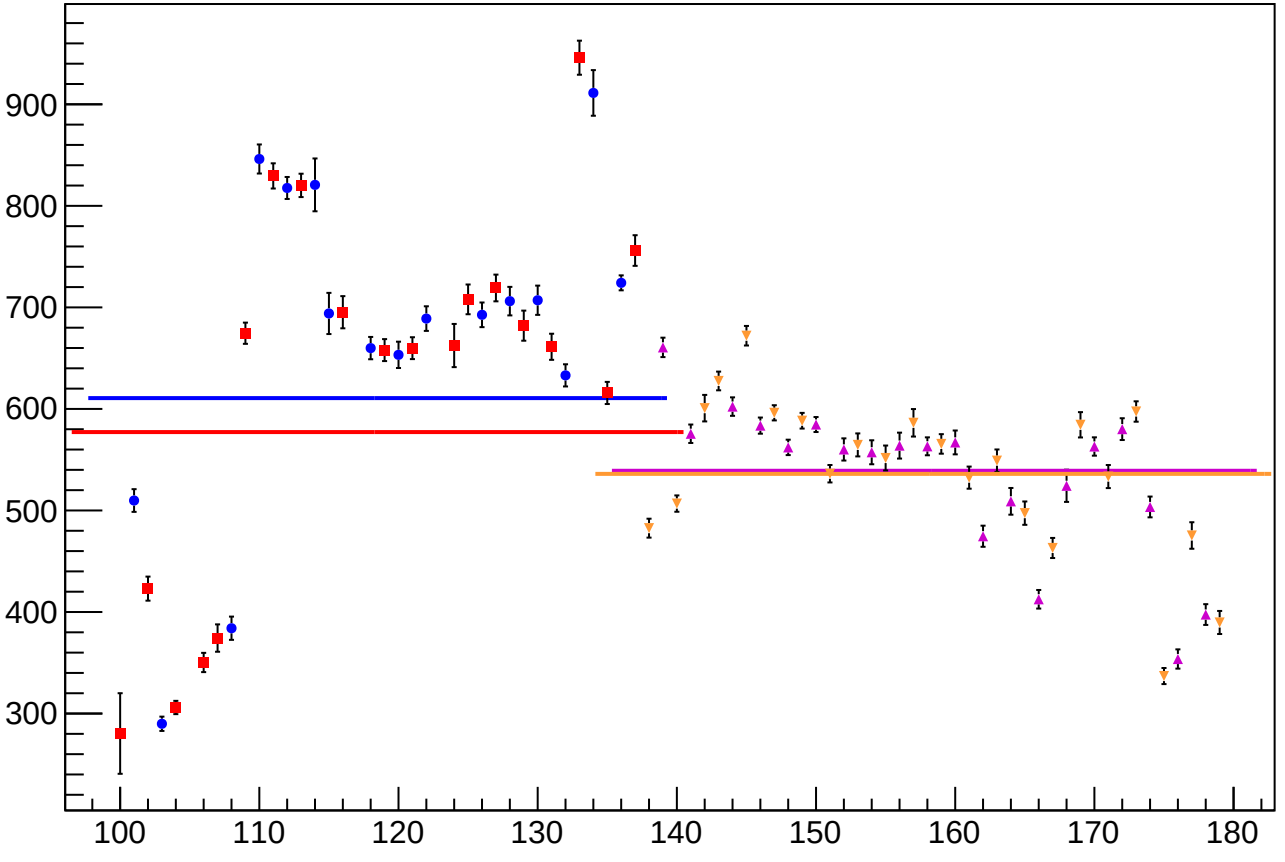
Left In: 6.368+/-1.564 χ^2/NDF:412.9/19

+ sign 8.573+/-1.312 χ^2/NDF: 731.7/37

All: 7.913+/-0.936 χ^2/NDF: 1368.3/76

- sign 7.231+/-1.334 χ^2/NDF: 636.1/38

reg_asym_atr2_diff_bpm4eX_slope vs Slug



Right In: 610.665+/-2.892 χ^2/NDF: 3892.6/15

Left Out: 536.041+/-2.121 χ^2/NDF:1449.4/21

Right Out: 577.205+/-2.755 χ^2/NDF: 4800.3/18

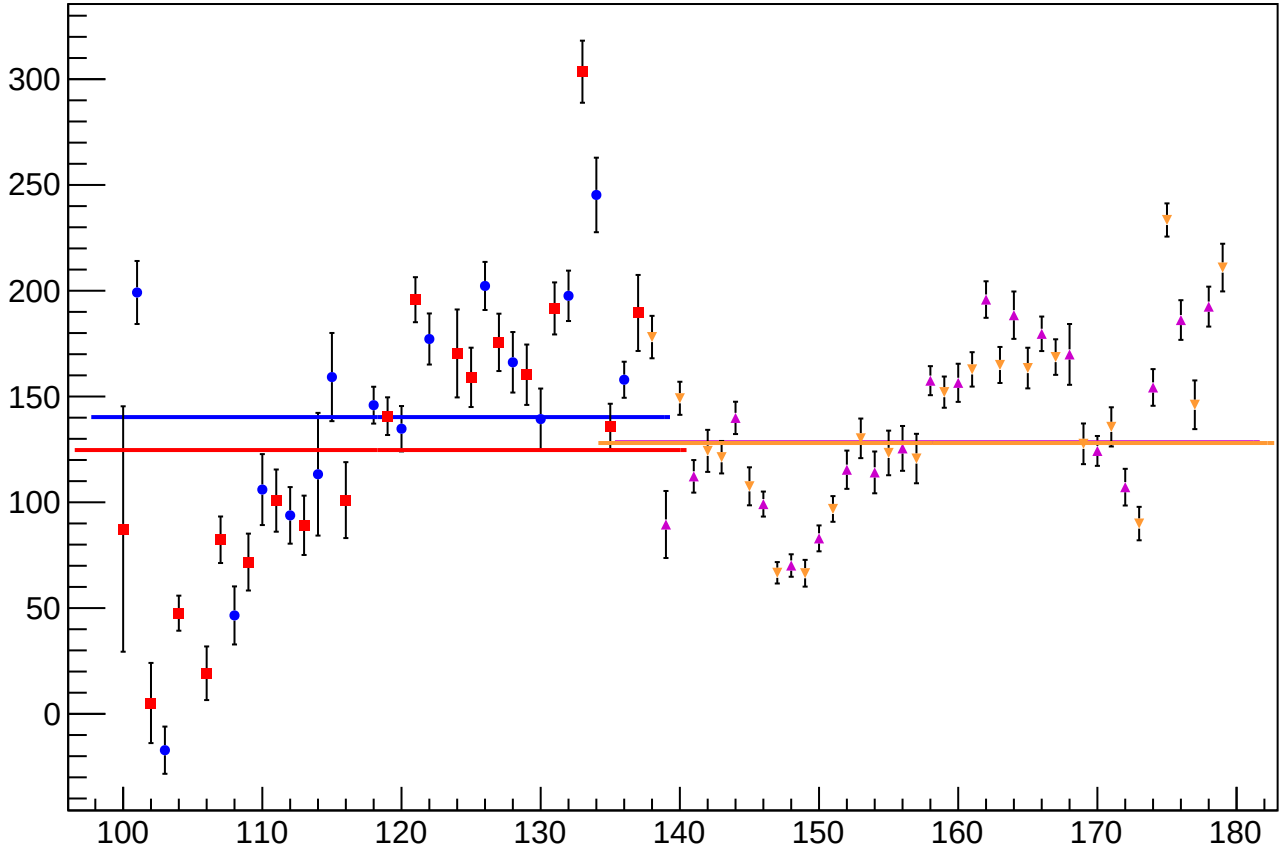
Left In: 539.092+/-2.179 χ^2/NDF:1170.6/19

+ sign 562.137+/-1.710 χ^2/NDF: 5774.8/37

All: 557.945+/-1.209 χ^2/NDF: 11875.4/76

- sign 553.760+/-1.709 χ^2/NDF: 6088.6/38

reg_asym_atr2_diff_bpm4eY_slope vs Slug



Right In: 140.278+/-3.151 χ^2/NDF: 385.4/15

Left Out: 128.021+/-1.748 χ^2/NDF:652.7/21

Right Out: 124.697+/-2.979 χ^2/NDF: 508.5/18

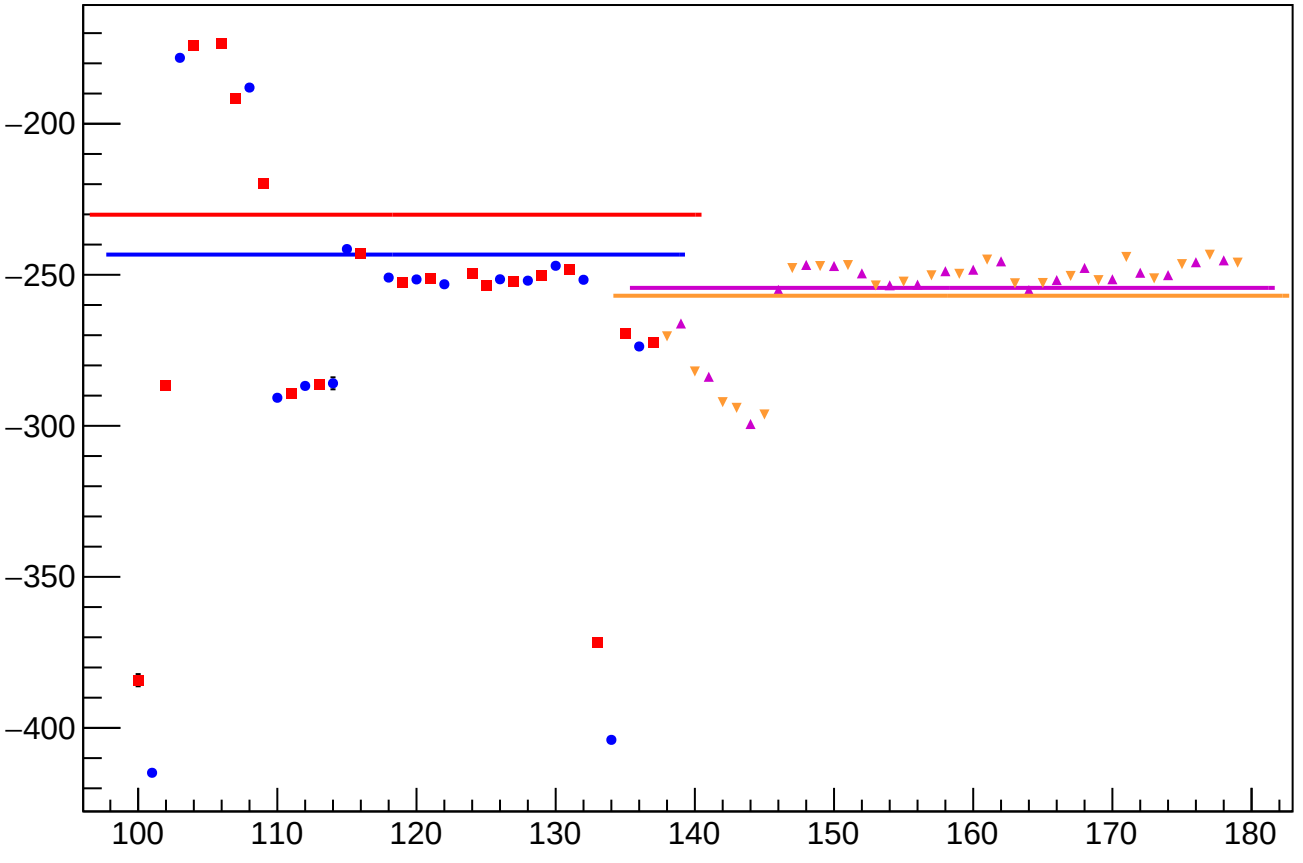
Left In: 128.396+/-1.813 χ^2/NDF:481.3/19

+ sign 130.906+/-1.529 χ^2/NDF: 1049.6/37

All: 129.174+/-1.088 χ^2/NDF: 2043.2/76

- sign 127.395+/-1.549 χ^2/NDF: 990.9/38

reg_asym_atr2_diff_bpm12X_slope vs Slug



Right In: -243.308+/-0.163 χ^2/NDF: 173487.9/15

Left Out: -256.932+/-0.082 χ^2/NDF:38977.6/21

Right Out: -230.109+/-0.157 χ^2/NDF: 102451.2/18

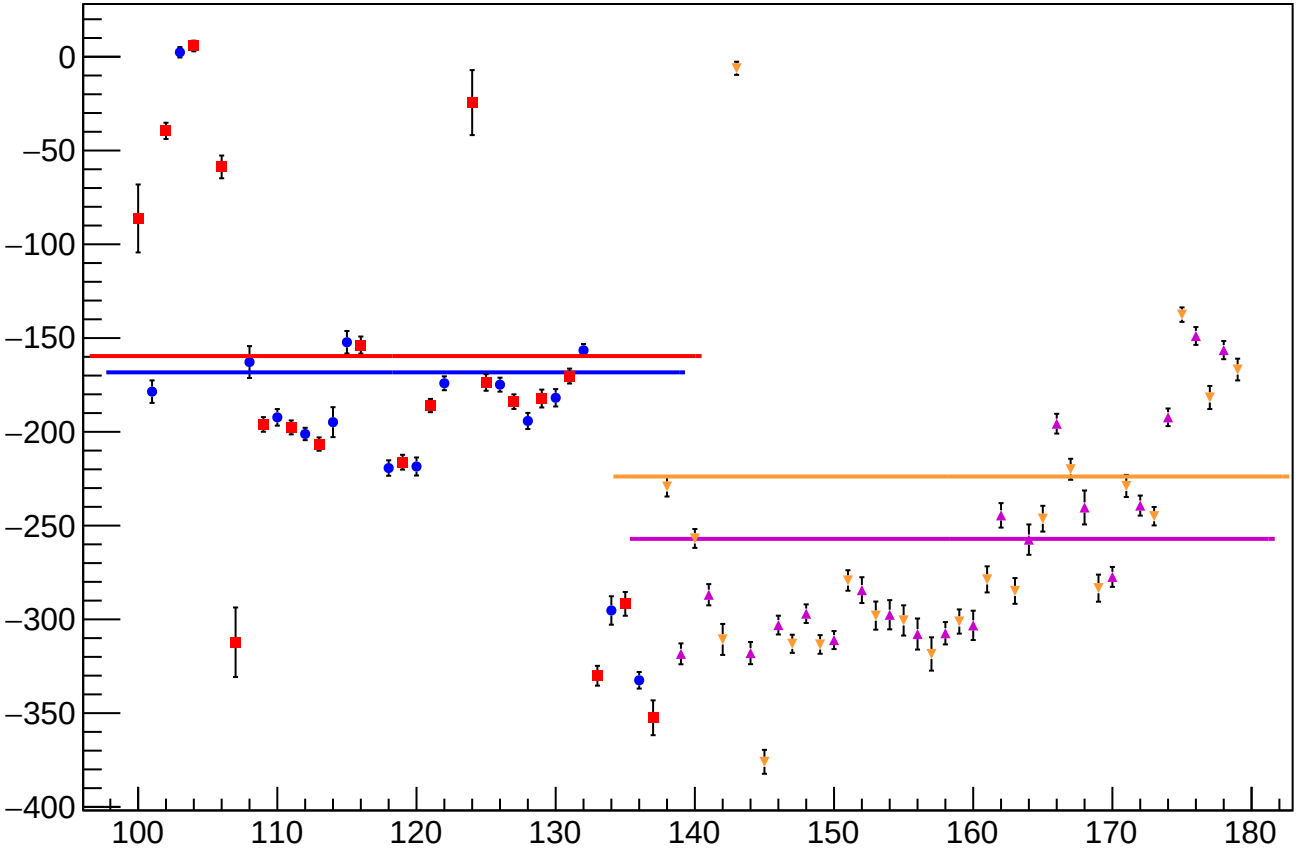
Left In: -254.332+/-0.083 χ^2/NDF:23549.7/19

\+ sign -254.148+/-0.073 χ^2/NDF: 218057.8/37

All: -251.600+/-0.052 χ^2/NDF: 364992.3/76

\- sign -249.049+/-0.073 χ^2/NDF: 144526.5/38

reg_asym_atl_avg_diff_bpm1X_slope vs Slug



Right In: -168.291+/-1.076 χ^2/NDF: 5907.6/15

Left Out: -223.825+/-1.205 χ^2/NDF:6663.2/21

Right Out: -159.602+/-1.042 χ^2/NDF: 7197.9/18

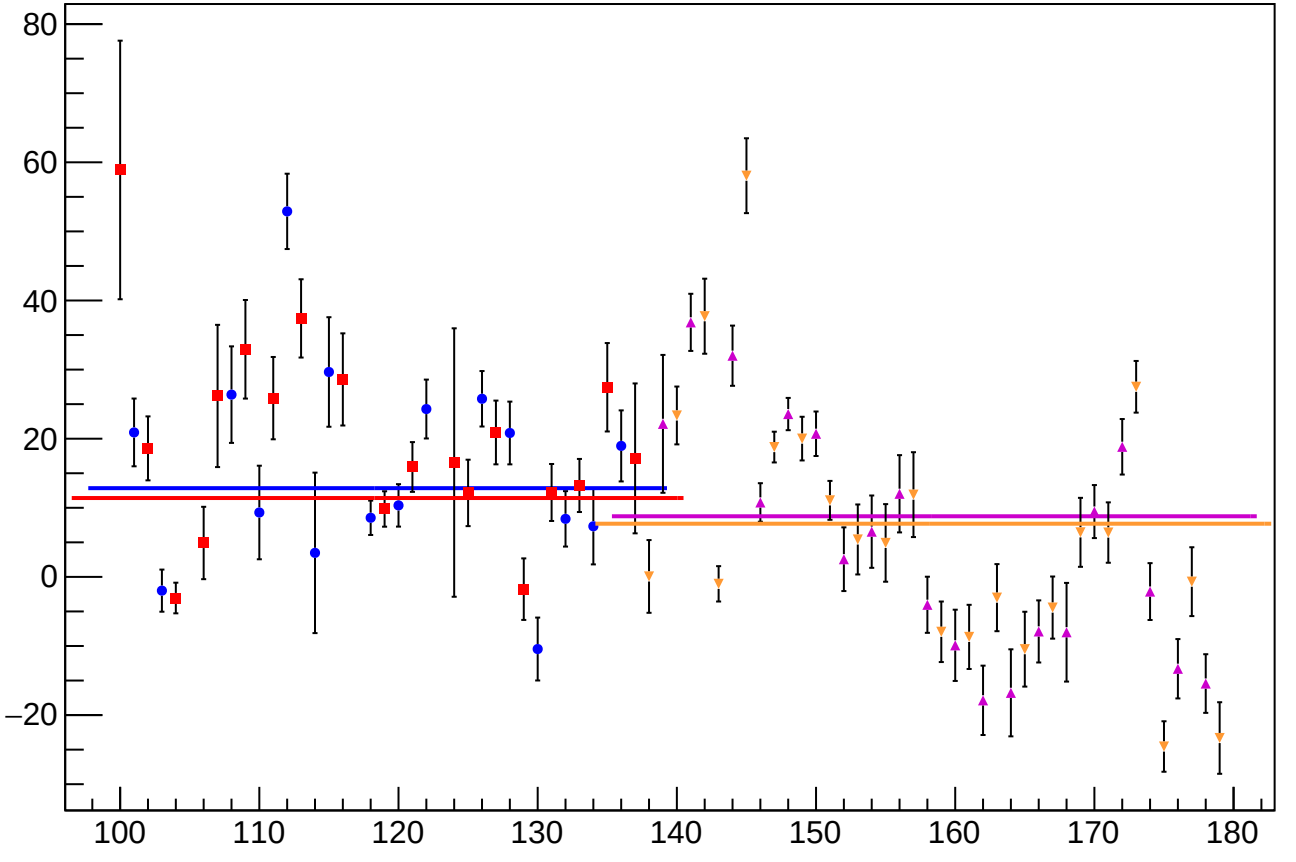
Left In: -257.076+/-1.289 χ^2/NDF:2023.3/19

+ sign -192.918+/-0.803 χ^2/NDF: 13752.6/37

All: -195.505+/-0.570 χ^2/NDF: 26452.8/76

- sign -198.144+/-0.810 χ^2/NDF: 12679.2/38

reg_asym_atl_avg_diff_bpm4aY_slope vs Slug



Right In: 12.842+/-1.076 χ^2/NDF: 143.7/15

Left Out: 7.696+/-0.851 χ^2/NDF:380.5/21

Right Out: 11.414+/-1.035 χ^2/NDF: 119.6/18

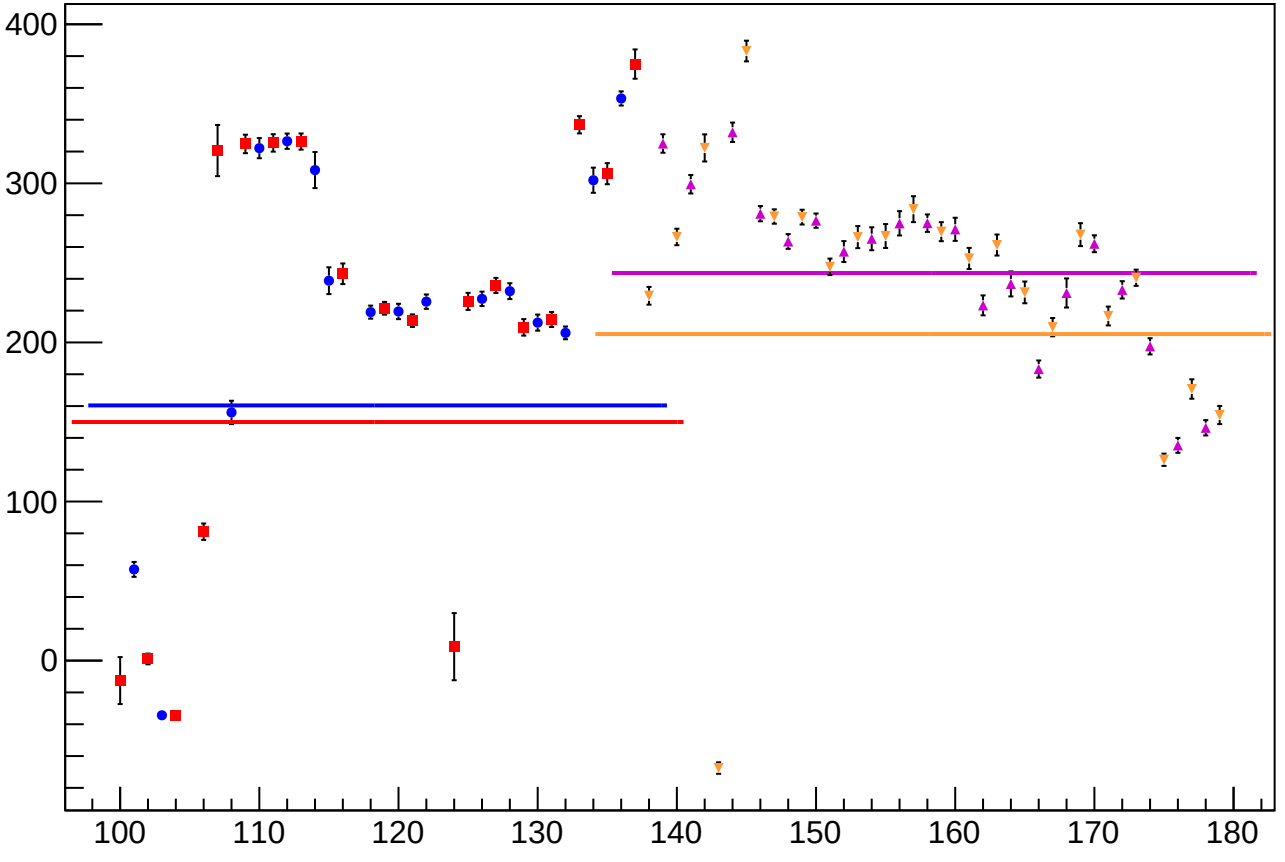
Left In: 8.774+/-0.922 χ^2/NDF:292.3/19

+ sign 9.676+/-0.668 χ^2/NDF: 538.2/37

All: 9.804+/-0.479 χ^2/NDF: 953.8/76

- sign 9.941+/-0.689 χ^2/NDF: 415.5/38

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug



Right In: 160.407+/-1.139 χ^2/NDF: 13949.8/15

Left Out: 205.256+/-1.190 χ^2/NDF:8540.6/21

Right Out: 149.974+/-1.107 χ^2/NDF: 16265.2/18

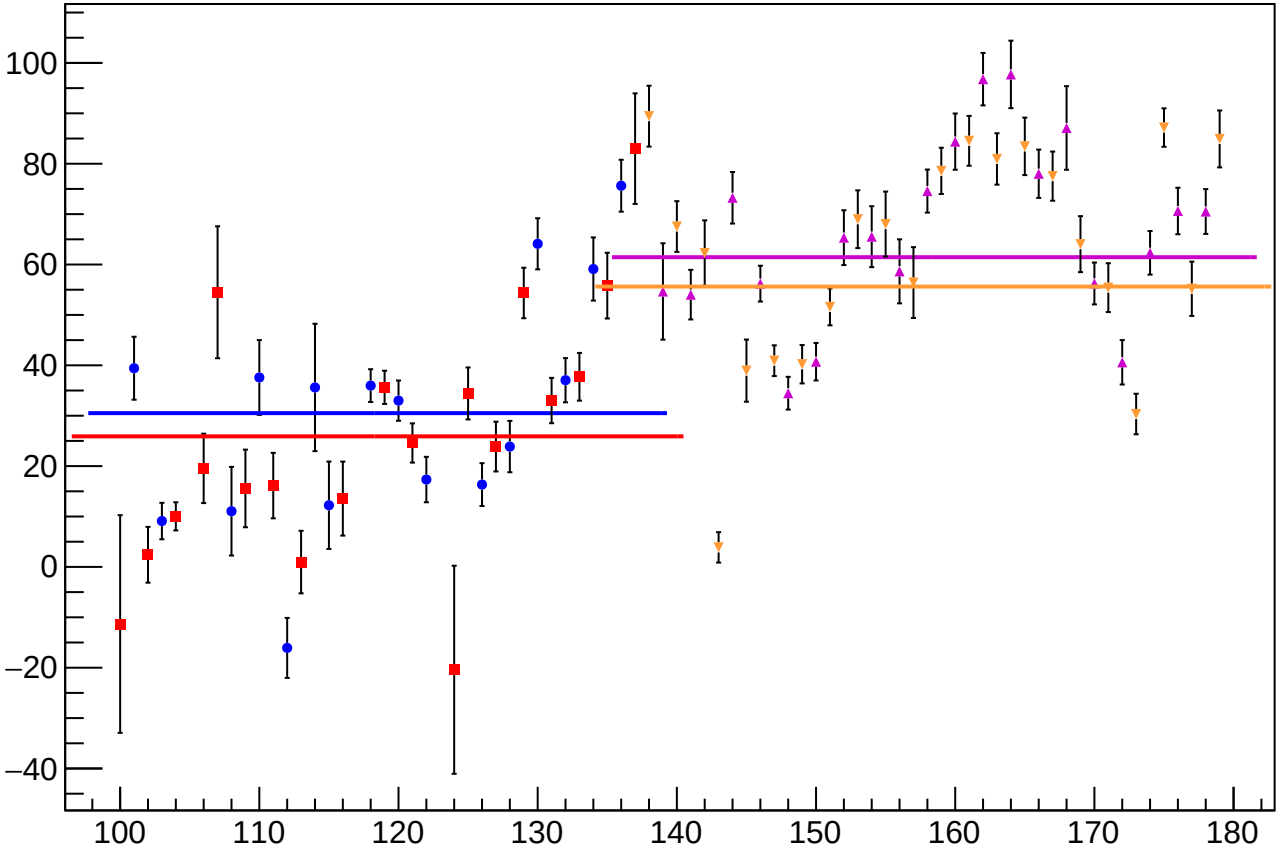
Left In: 243.629+/-1.268 χ^2/NDF:1889.2/19

+ sign 181.848+/-0.823 χ^2/NDF: 23231.7/37

All: 186.102+/-0.586 χ^2/NDF: 44536.4/76

- sign 190.470+/-0.834 χ^2/NDF: 21250.6/38

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug



Right In: 30.510+/-1.255 χ^2/NDF: 276.9/15

Left Out: 55.630+/-0.988 χ^2/NDF:654.6/21

Right Out: 25.903+/-1.213 χ^2/NDF: 187.8/18

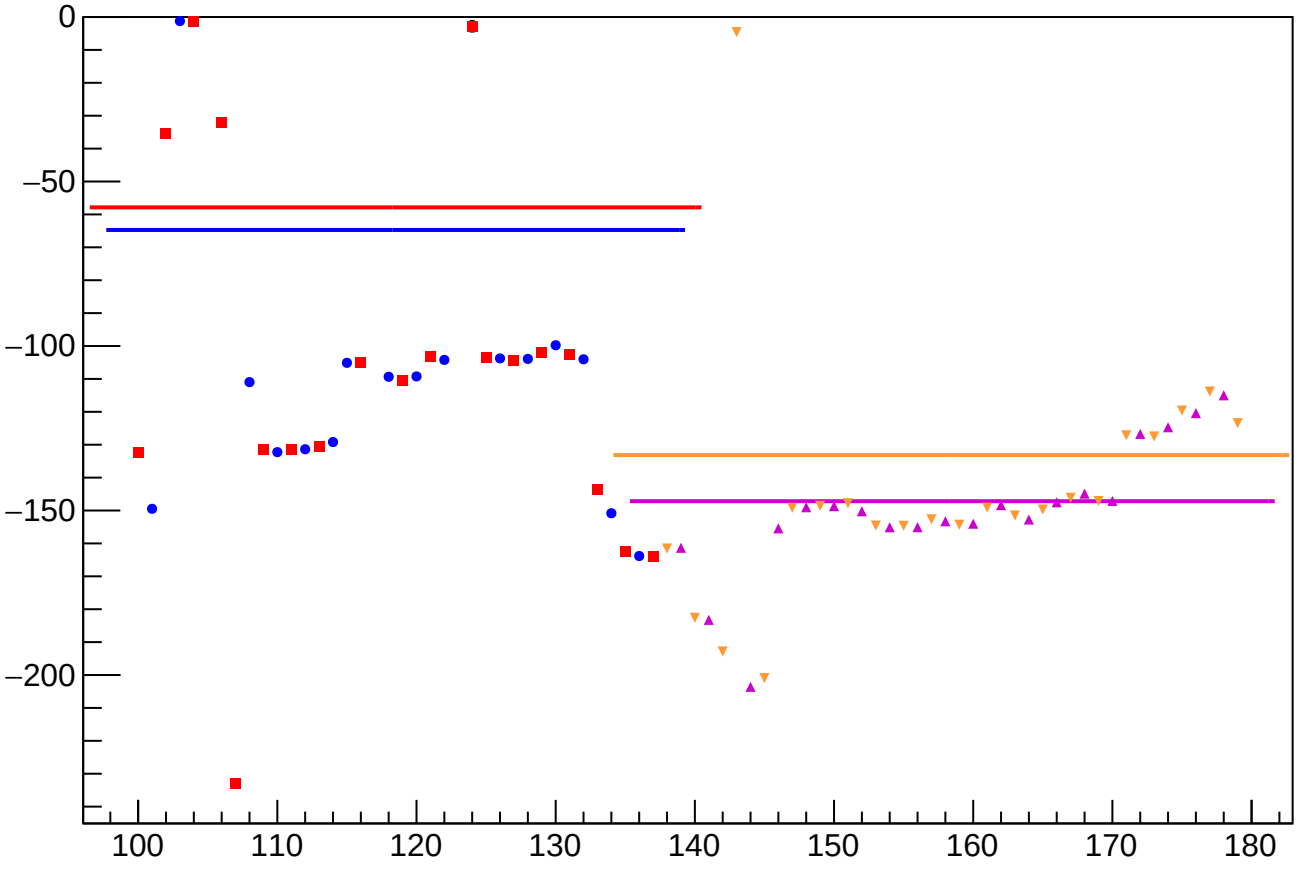
Left In: 61.454+/-1.062 χ^2/NDF:266.6/19

+ sign 46.009+/-0.776 χ^2/NDF: 1179.0/37

All: 46.020+/-0.557 χ^2/NDF: 2119.6/76

- sign 46.031+/-0.799 χ^2/NDF: 940.6/38

reg_asym_atl_avg_diff_bpm12X_slope vs Slug



Right In: -64.726+/-0.064 χ^2/NDF: 1044441.7/15

Left Out: -133.144+/-0.046 χ^2/NDF:983310.0/21

Right Out: -57.855+/-0.062 χ^2/NDF: 875795.9/18

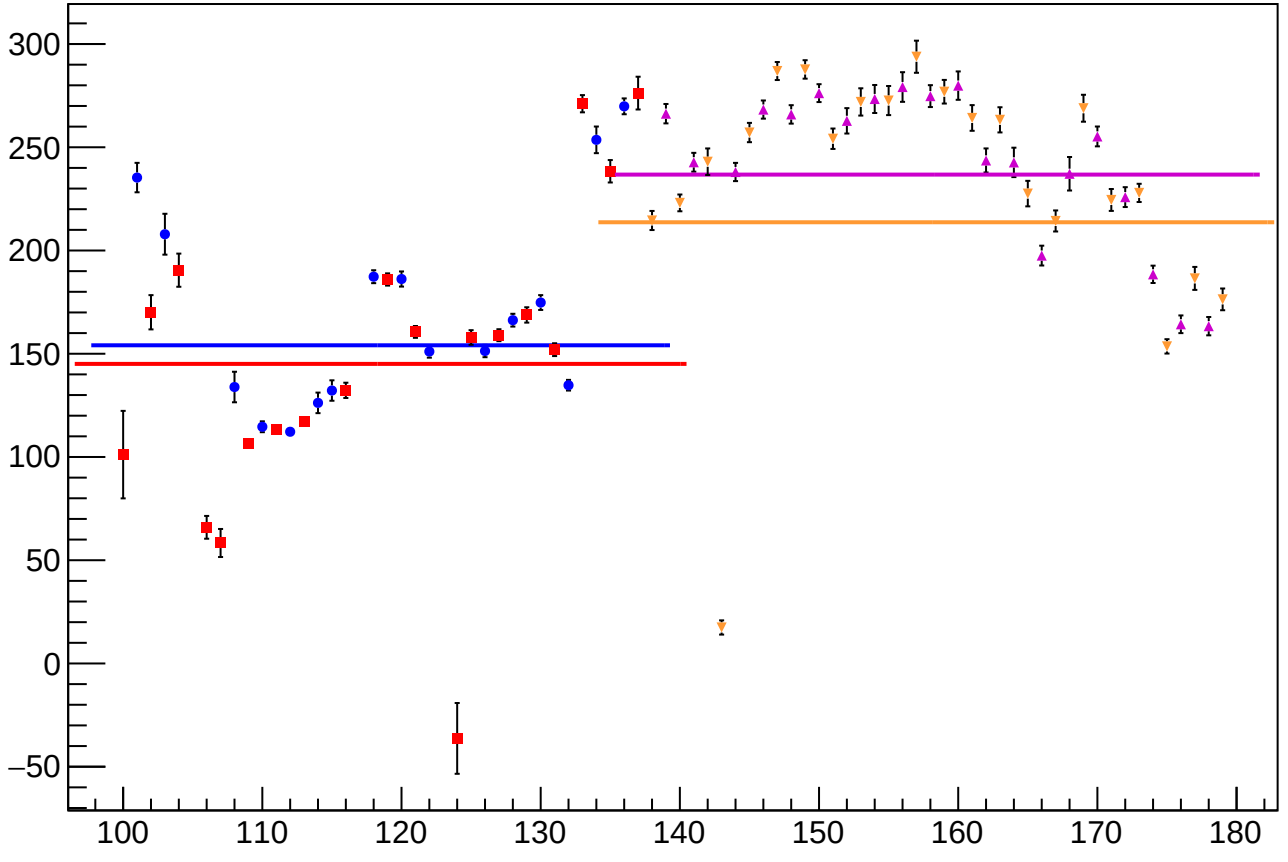
Left In: -147.167+/-0.048 χ^2/NDF:144972.9/19

+ sign -109.459+/-0.038 χ^2/NDF: 2779824.4/37

All: -111.432+/-0.027 χ^2/NDF: 5092248.6/76

- sign -113.473+/-0.038 χ^2/NDF: 2306801.2/38

reg_asym_atl_dd_diff_bpm1X_slope vs Slug



Right In: 154.096+/-0.869 χ^2/NDF: 2281.1/15

Left Out: 213.679+/-1.069 χ^2/NDF:4953.8/21

Right Out: 145.083+/-0.826 χ^2/NDF: 2958.4/18

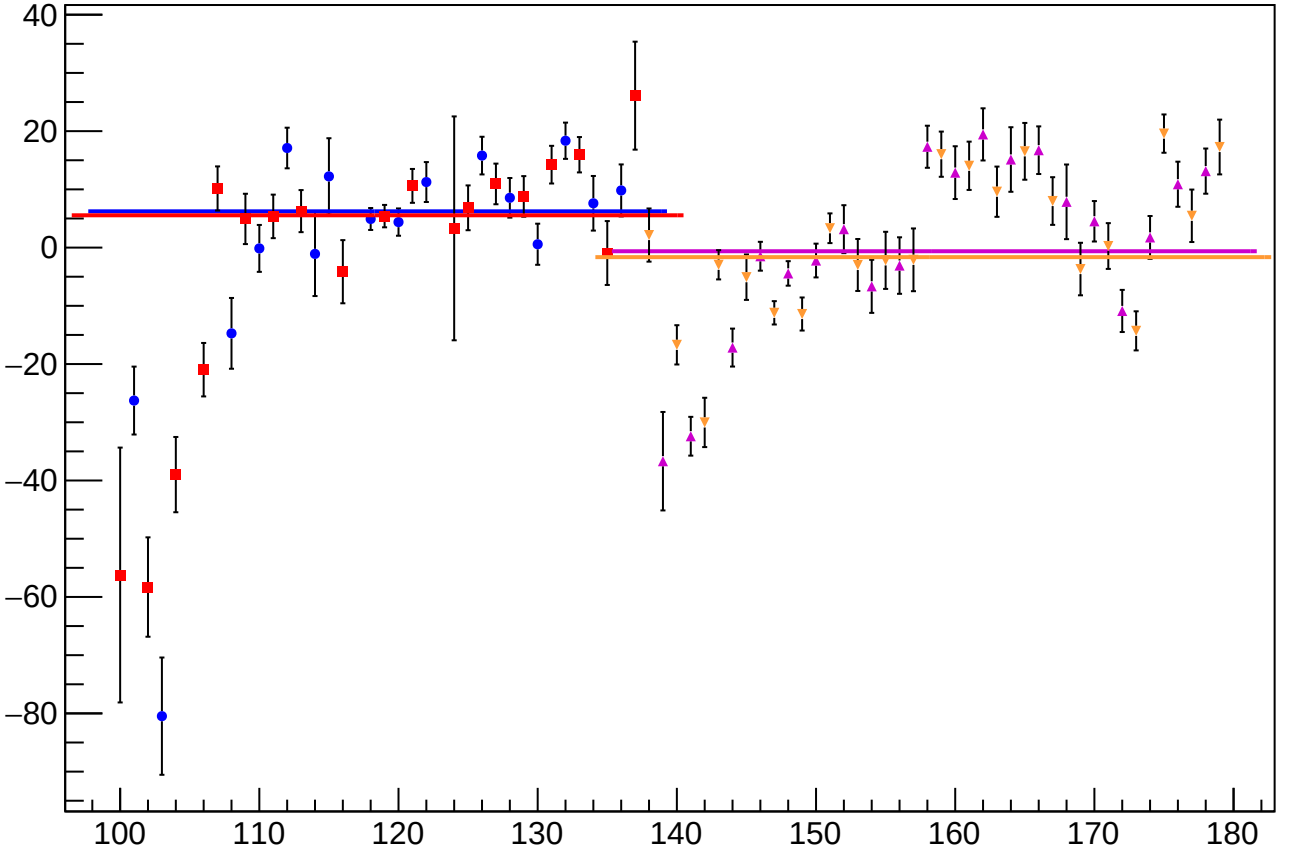
Left In: 236.762+/-1.132 χ^2/NDF:1171.7/19

\+ sign 177.794+/-0.674 χ^2/NDF: 9104.2/37

All: 177.365+/-0.474 χ^2/NDF: 17516.3/76

\- sign 176.946+/-0.667 χ^2/NDF: 8411.3/38

reg_asym_atl_dd_diff_bpm4aY_slope vs Slug



Right In: 6.229+/-0.890 χ^2/NDF: 162.1/15

Left Out: -1.639+/-0.759 χ^2/NDF:241.3/21

Right Out: 5.548+/-0.889 χ^2/NDF: 181.1/18

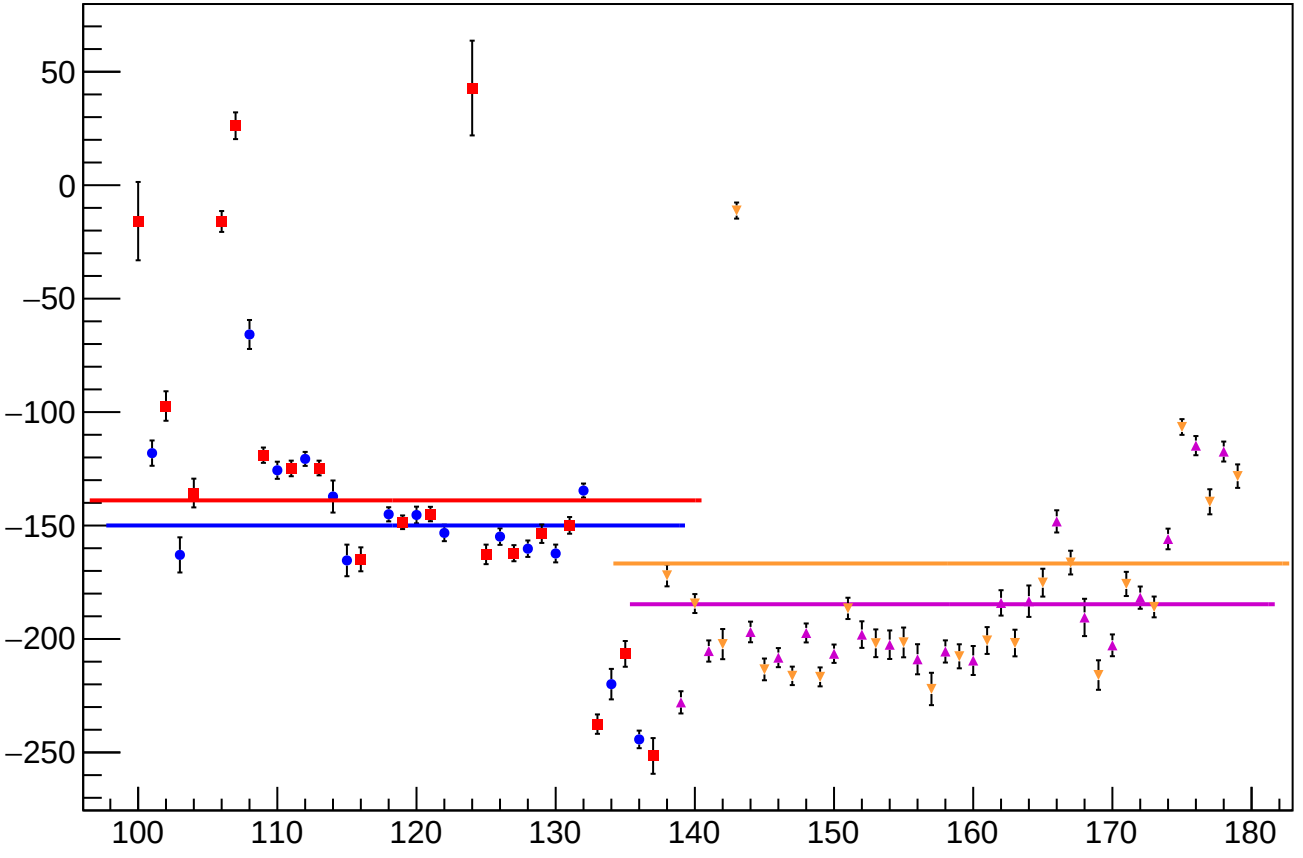
Left In: -0.625+/-0.813 χ^2/NDF:255.0/19

+ sign 1.672+/-0.577 χ^2/NDF: 448.6/37

All: 1.918+/-0.416 χ^2/NDF: 911.4/76

- sign 2.184+/-0.600 χ^2/NDF: 462.4/38

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug



Right In: -149.970+/-1.026 χ^2/NDF: 1099.5/15

Left Out: -166.727+/-1.057 χ^2/NDF:3088.2/21

Right Out: -138.912+/-0.993 χ^2/NDF: 2750.9/18

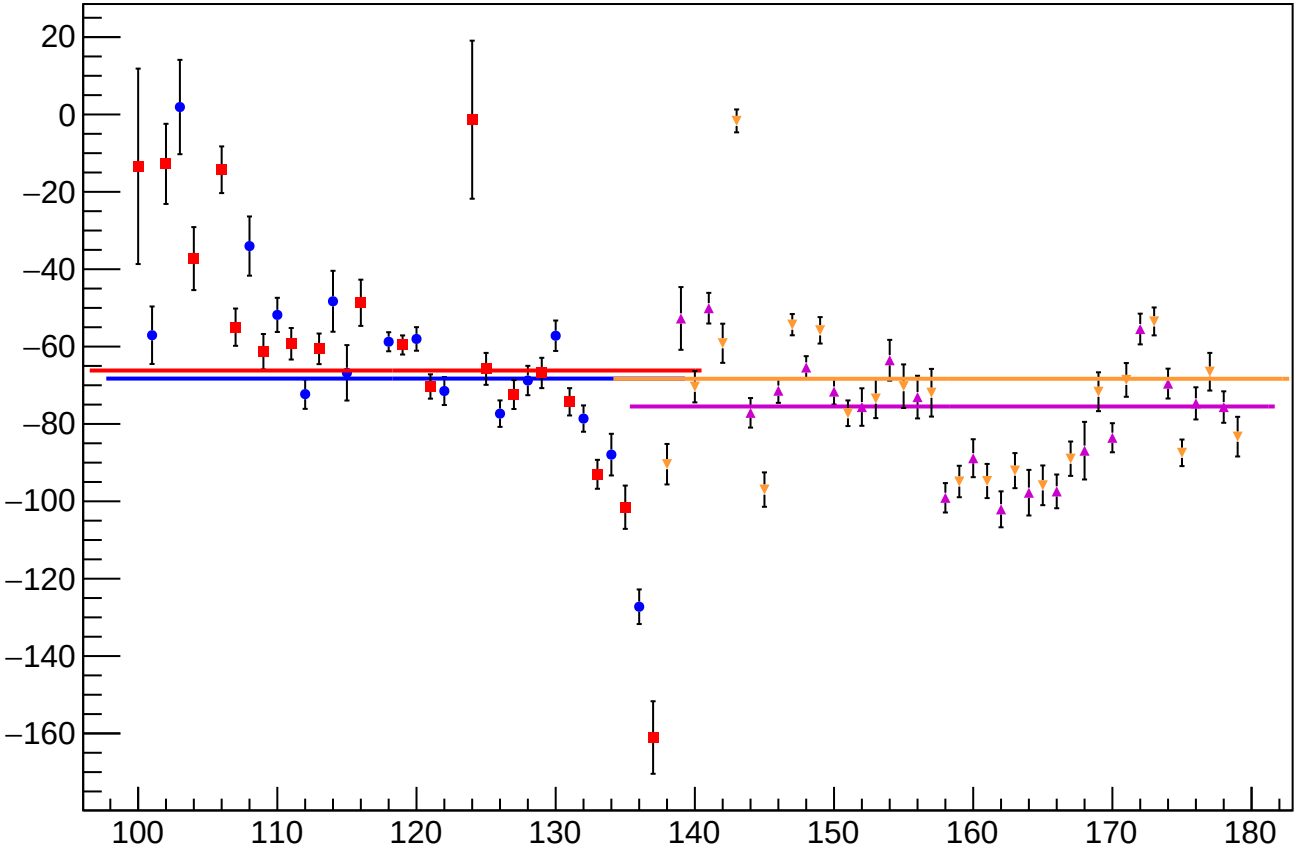
Left In: -184.686+/-1.115 χ^2/NDF:851.8/19

+ sign -158.096+/-0.736 χ^2/NDF: 4317.2/37

All: -158.628+/-0.522 χ^2/NDF: 8860.4/76

- sign -159.168+/-0.742 χ^2/NDF: 4542.2/38

reg_asym_atl_dd_diff_bpm4eY_slope vs Slug



Right In: -68.272+/-1.033 χ^2/NDF: 315.4/15

Left Out: -68.321+/-0.880 χ^2/NDF:830.8/21

Right Out: -66.186+/-1.024 χ^2/NDF: 358.3/18

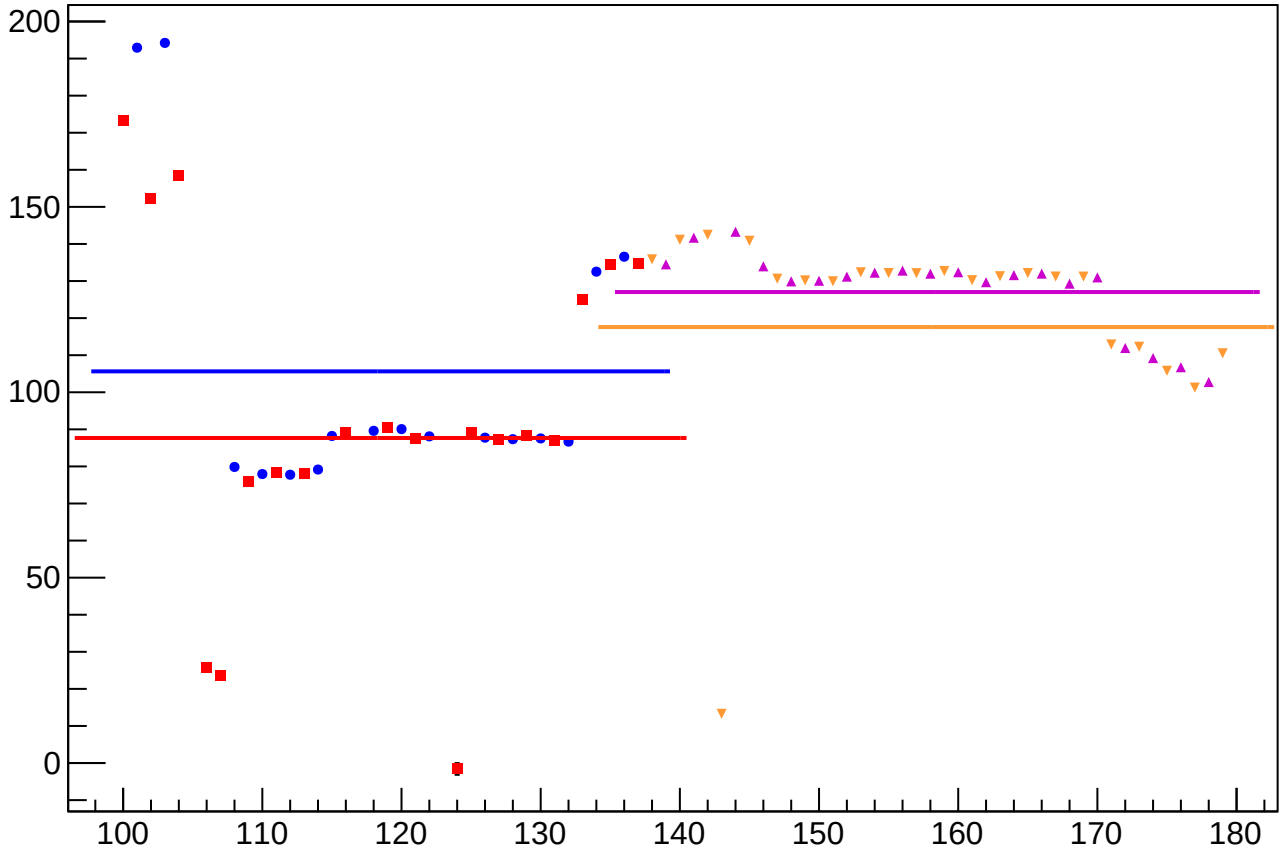
Left In: -75.484+/-0.936 χ^2/NDF:222.5/19

+ sign -68.300+/-0.670 χ^2/NDF: 1146.2/37

All: -69.730+/-0.481 χ^2/NDF: 1781.3/76

- sign -71.251+/-0.691 χ^2/NDF: 625.8/38

reg_asym_atl_dd_diff_bpm12X_slope vs Slug



Right In: 105.640+/-0.071 χ^2/NDF: 239614.1/15

Left Out: 117.589+/-0.041 χ^2/NDF:621076.0/21

Right Out: 87.673+/-0.066 χ^2/NDF: 374460.7/18

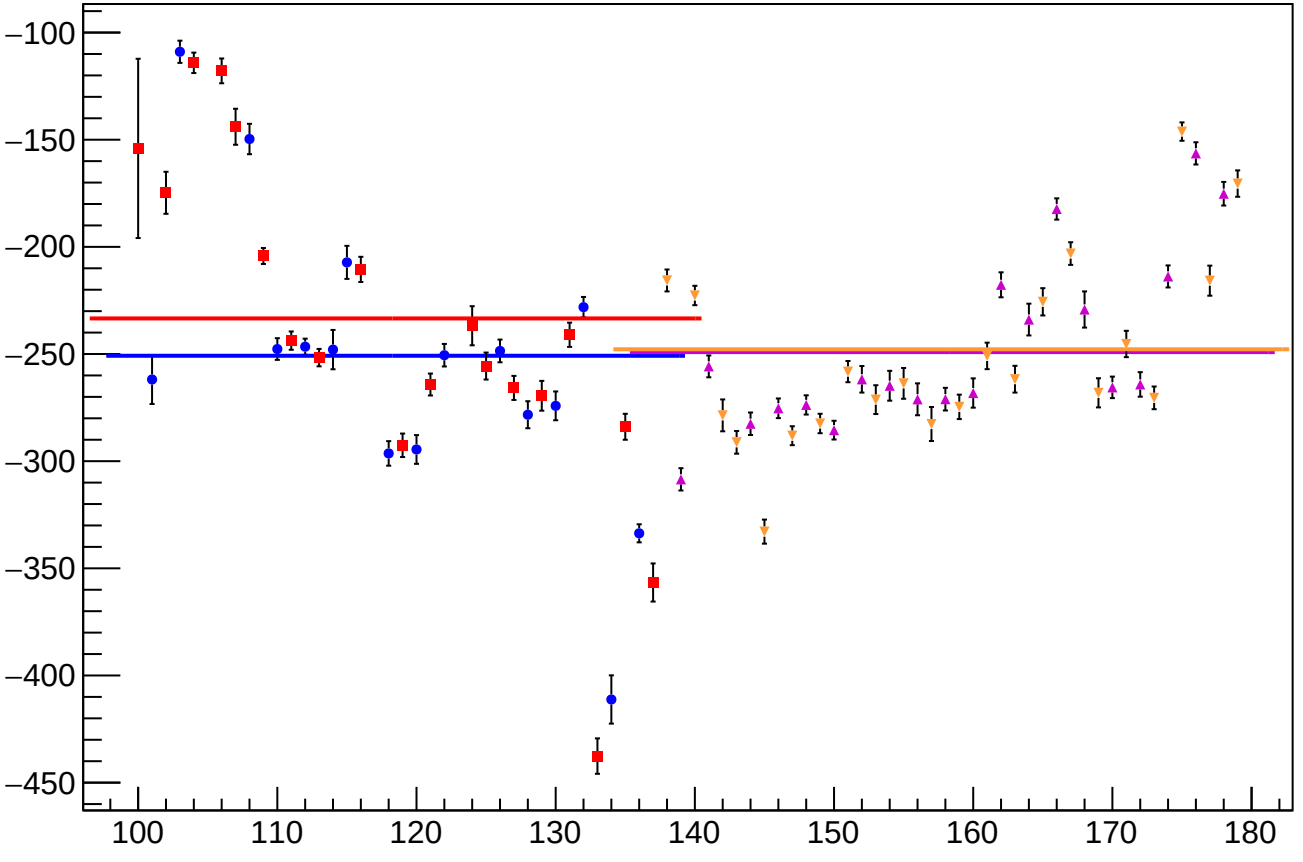
Left In: 127.036+/-0.043 χ^2/NDF:69726.5/19

\+ sign 114.565+/-0.036 χ^2/NDF: 881948.7/37

All: 114.963+/-0.025 χ^2/NDF: 1579453.8/76

\- sign 115.364+/-0.036 χ^2/NDF: 697255.0/38

reg_asym_atr_avg_diff_bpm1X_slope vs Slug



Right In: -250.812+/-1.438 χ^2/NDF: 1735.7/15

Left Out: -247.798+/-1.196 χ^2/NDF:1444.1/21

Right Out: -233.396+/-1.333 χ^2/NDF: 2378.5/18

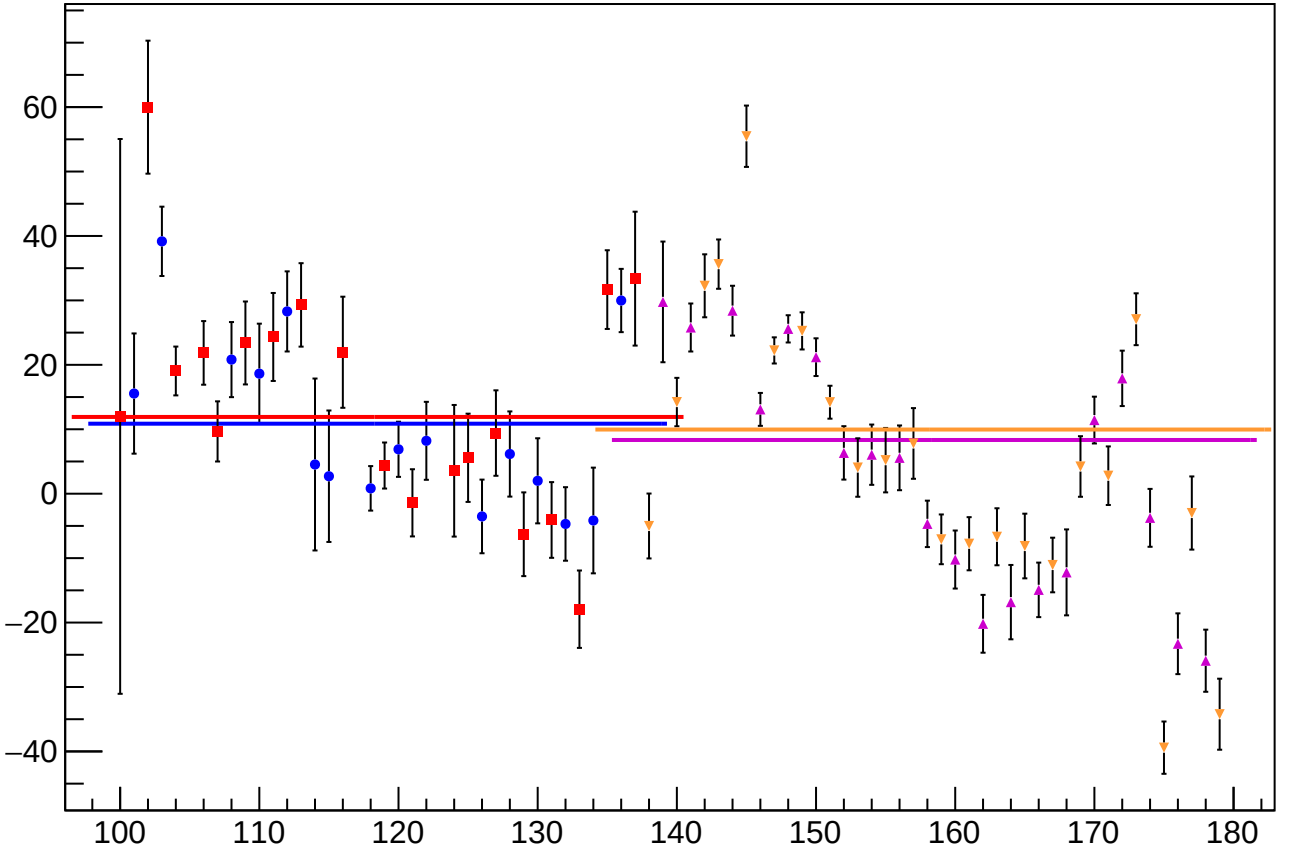
Left In: -249.103+/-1.228 χ^2/NDF:1131.3/19

+ sign -249.030+/-0.920 χ^2/NDF: 3182.4/37

All: -245.398+/-0.644 χ^2/NDF: 6797.9/76

- sign -241.896+/-0.903 χ^2/NDF: 3584.9/38

reg_asym_atr_avg_diff_bpm4aY_slope vs Slug



Right In: 10.864+/-1.471 χ^2/NDF: 84.7/15

Left Out: 9.958+/-0.829 χ^2/NDF:567.0/21

Right Out: 11.912+/-1.368 χ^2/NDF: 111.9/18

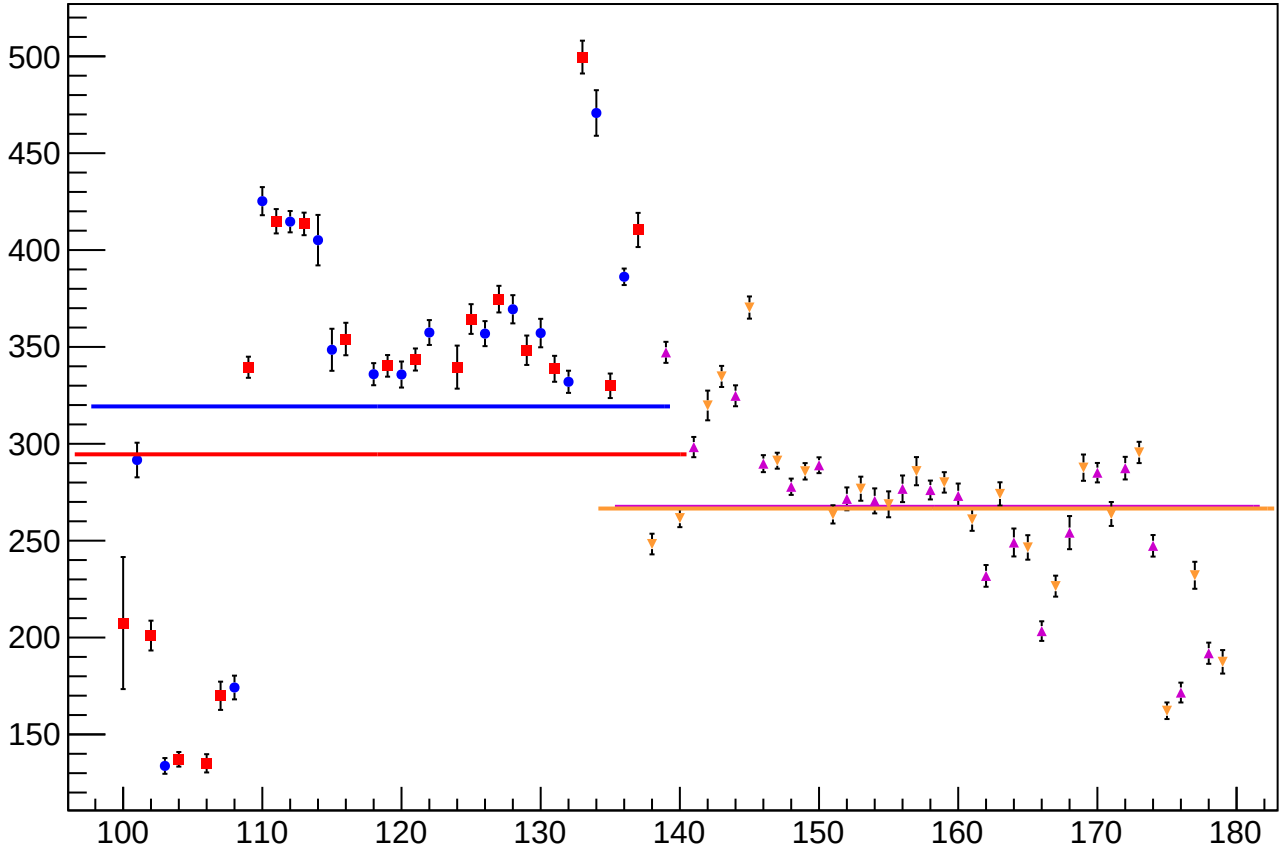
Left In: 8.336+/-0.864 χ^2/NDF:381.7/19

+ sign 10.177+/-0.722 χ^2/NDF: 651.9/37

All: 9.771+/-0.514 χ^2/NDF: 1151.0/76

- sign 9.356+/-0.731 χ^2/NDF: 498.5/38

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug



Right In: 319.293+/-1.586 χ^2/NDF: 3792.9/15

Left Out: 266.590+/-1.174 χ^2/NDF:1514.8/21

Right Out: 294.567+/-1.481 χ^2/NDF: 5503.2/18

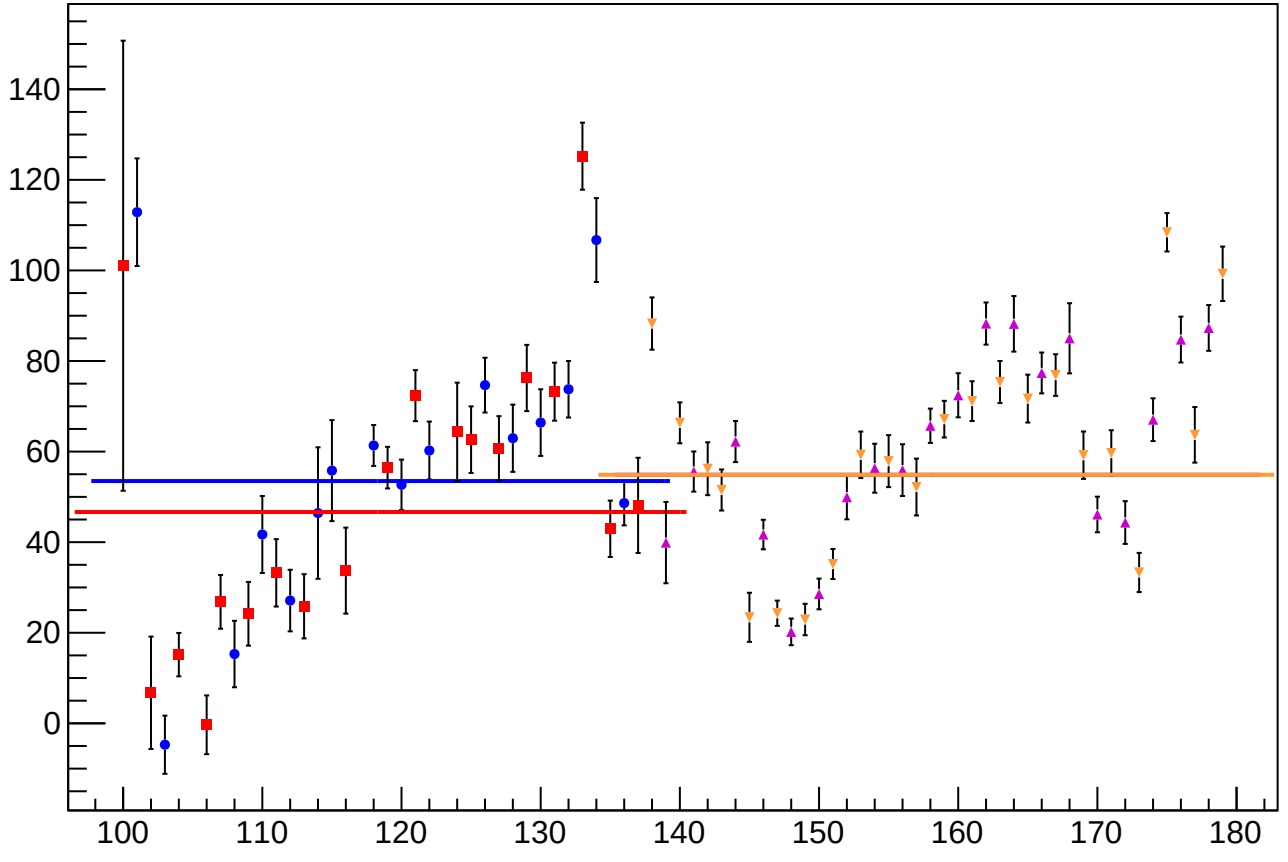
Left In: 267.477+/-1.203 χ^2/NDF:1217.9/19

+ sign 285.254+/-0.944 χ^2/NDF: 6020.9/37

All: 281.712+/-0.664 χ^2/NDF: 12971.3/76

- sign 278.244+/-0.934 χ^2/NDF: 6922.6/38

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug



Right In: 53.494+/-1.699 χ^2/NDF: 217.2/15

Left Out: 54.876+/-0.967 χ^2/NDF:633.9/21

Right Out: 46.666+/-1.593 χ^2/NDF: 325.6/18

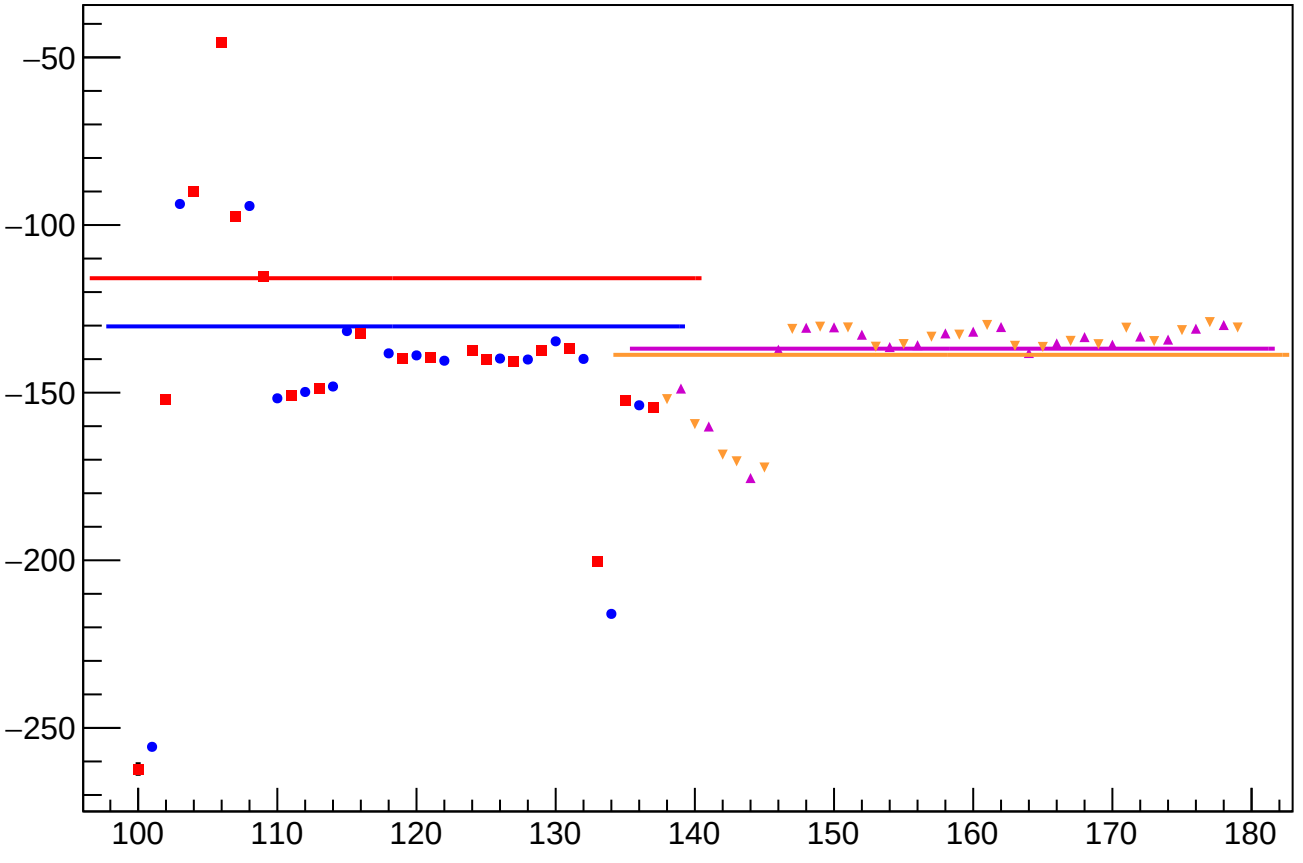
Left In: 54.885+/-1.001 χ^2/NDF:456.7/19

+ sign 54.538+/-0.841 χ^2/NDF: 851.6/37

All: 53.557+/-0.597 χ^2/NDF: 1655.8/76

- sign 52.560+/-0.848 χ^2/NDF: 801.4/38

reg_asym_atr_avg_diff_bpm12X_slope vs Slug



Right In: -130.236+/-0.091 χ^2/NDF: 174208.5/15

Left Out: -138.718+/-0.045 χ^2/NDF:80552.4/21

Right Out: -115.865+/-0.086 χ^2/NDF: 205899.4/18

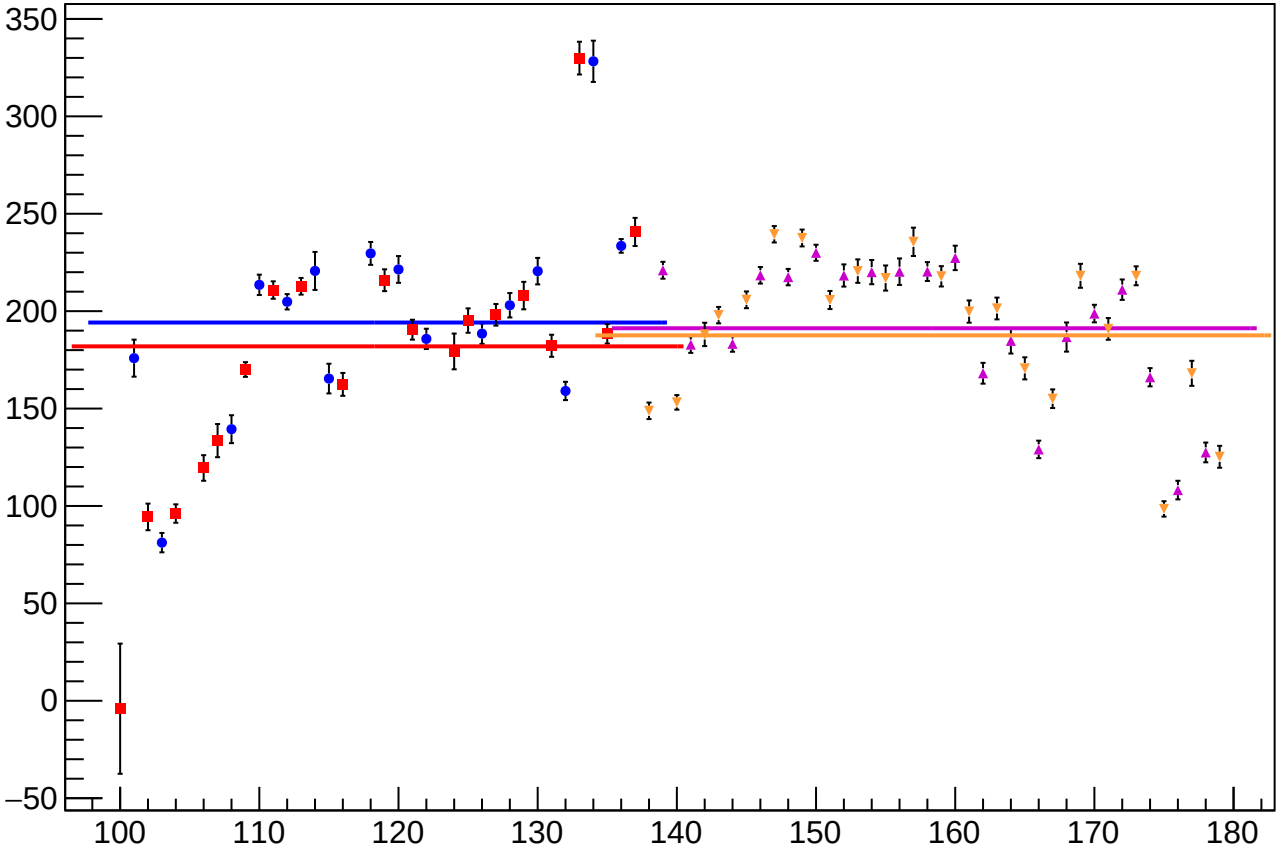
Left In: -136.879+/-0.046 χ^2/NDF:48711.1/19

+ sign -137.024+/-0.041 χ^2/NDF: 261700.6/37

All: -134.600+/-0.029 χ^2/NDF: 570104.7/76

- sign -132.211+/-0.040 χ^2/NDF: 301359.8/38

reg_asym_atr_dd_diff_bpm1X_slope vs Slug



Right In: 194.164+/-1.407 χ^2/NDF: 1035.2/15

Left Out: 187.582+/-1.062 χ^2/NDF:1389.7/21

Right Out: 181.928+/-1.322 χ^2/NDF: 1204.8/18

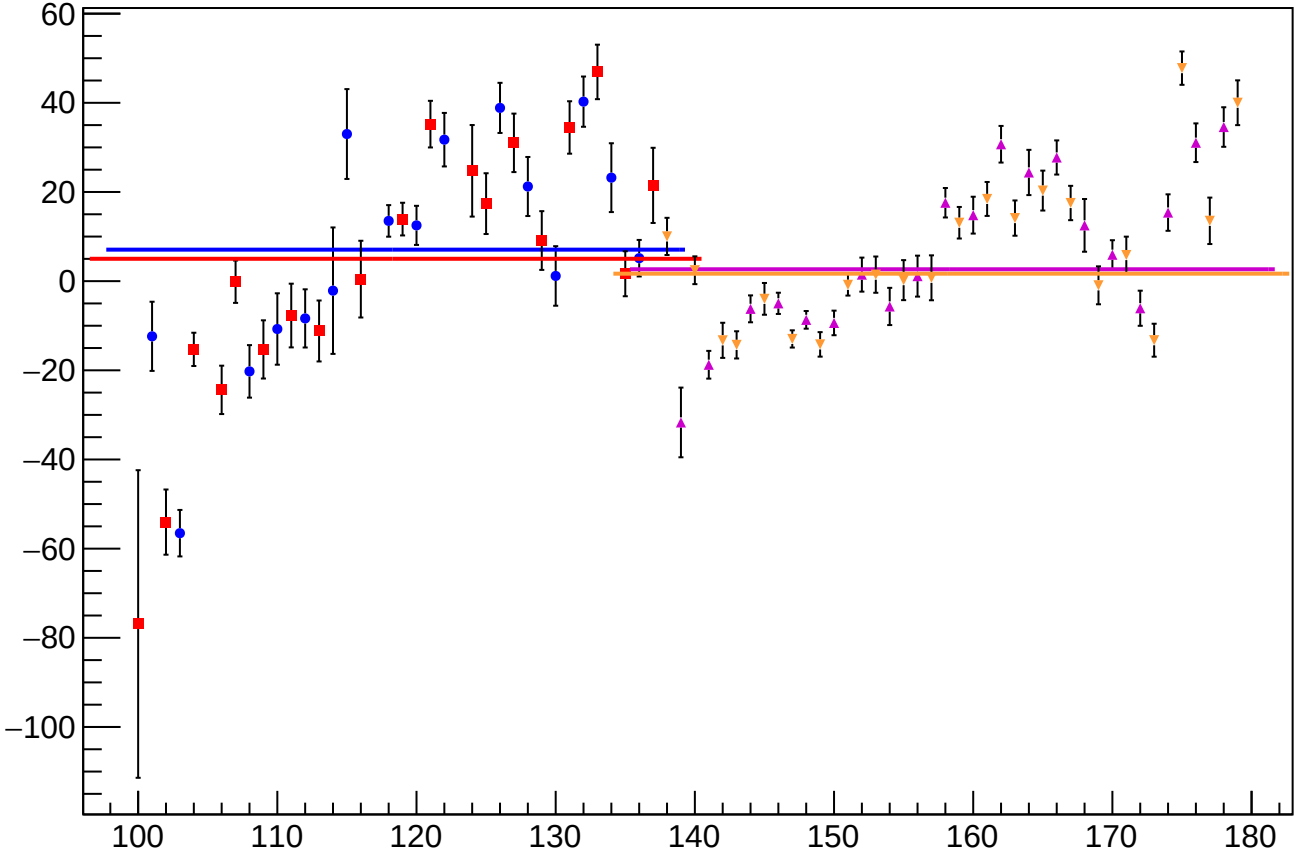
Left In: 191.229+/-1.101 χ^2/NDF:1072.5/19

+ sign 189.973+/-0.848 χ^2/NDF: 2438.8/37

All: 188.694+/-0.599 χ^2/NDF: 4750.0/76

- sign 187.421+/-0.846 χ^2/NDF: 2306.6/38

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug



Right In: 7.066+/-1.443 χ^2/NDF: 292.6/15

Left Out: 1.674+/-0.746 χ^2/NDF:447.1/21

Right Out: 5.015+/-1.355 χ^2/NDF: 288.5/18

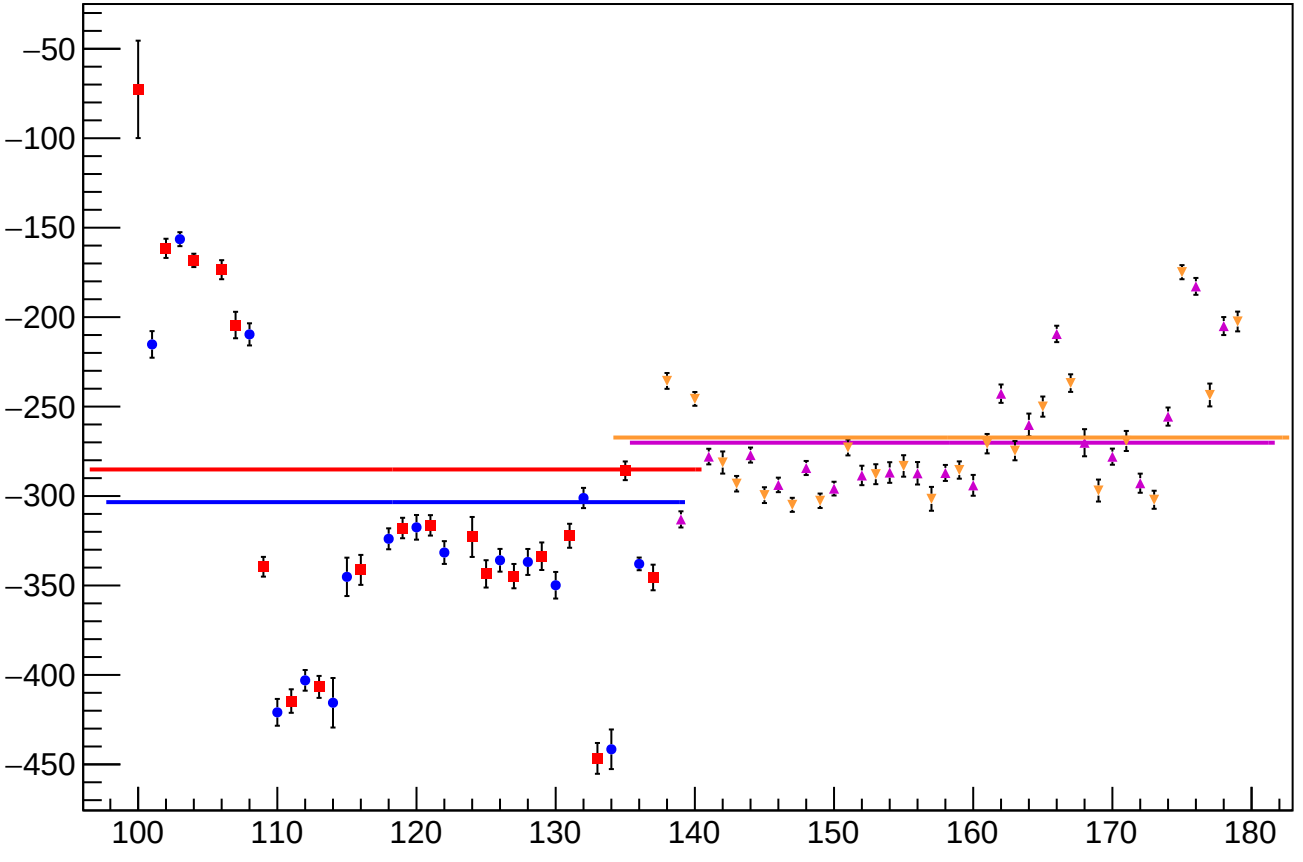
Left In: 2.664+/-0.783 χ^2/NDF:391.3/19

+ sign 2.812+/-0.663 χ^2/NDF: 750.7/37

All: 3.027+/-0.474 χ^2/NDF: 1433.0/76

- sign 3.253+/-0.678 χ^2/NDF: 682.1/38

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug



Right In: -303.408+/-1.530 χ^2/NDF: 2785.5/15

Left Out: -267.294+/-1.047 χ^2/NDF:1228.7/21

Right Out: -285.148+/-1.451 χ^2/NDF: 3754.8/18

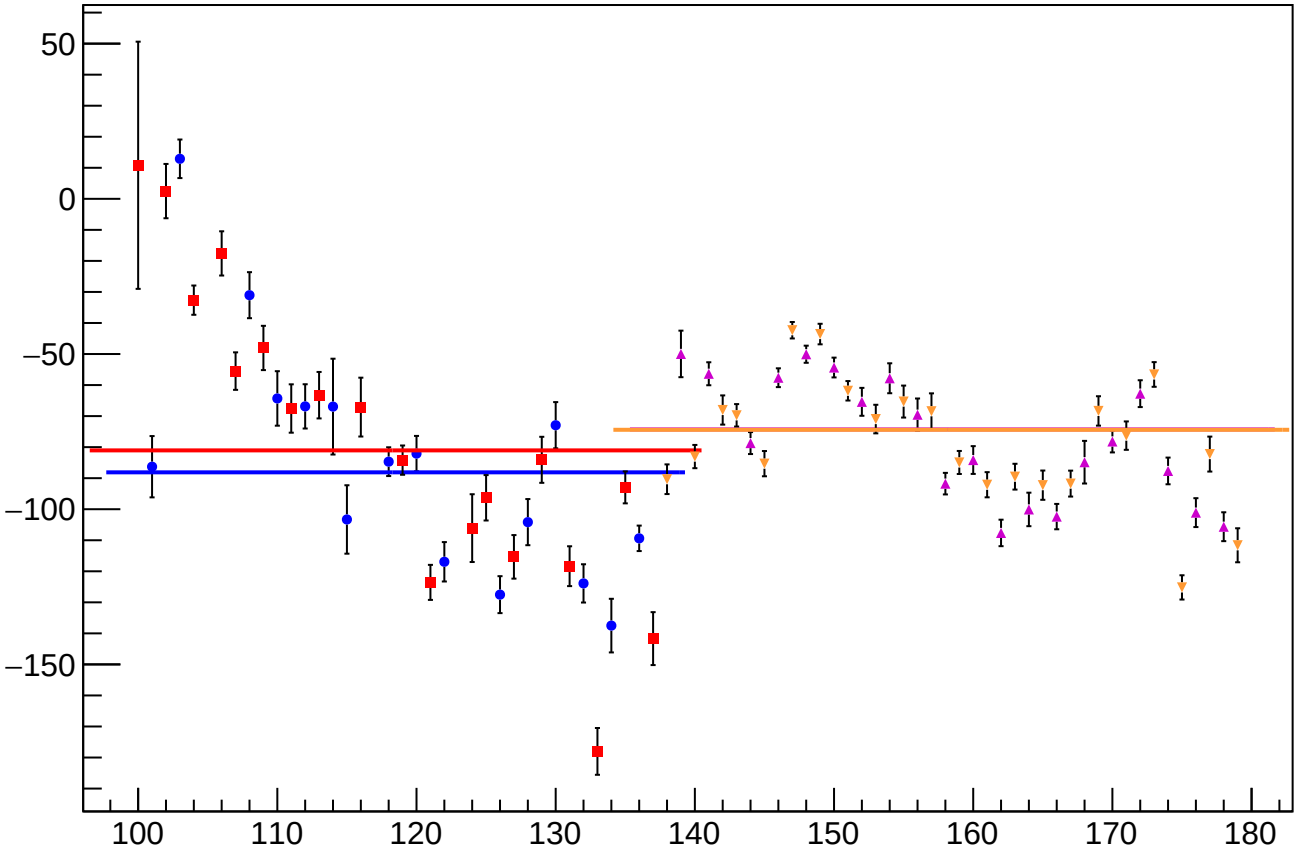
Left In: -270.193+/-1.081 χ^2/NDF:992.9/19

+ sign -278.814+/-0.864 χ^2/NDF: 4393.6/37

All: -277.179+/-0.612 χ^2/NDF: 9216.8/76

- sign -275.534+/-0.867 χ^2/NDF: 4816.0/38

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug



Right In: -88.119+/-1.655 χ^2/NDF: 511.9/15

Left Out: -74.411+/-0.868 χ^2/NDF:591.6/21

Right Out: -81.046+/-1.569 χ^2/NDF: 677.5/18

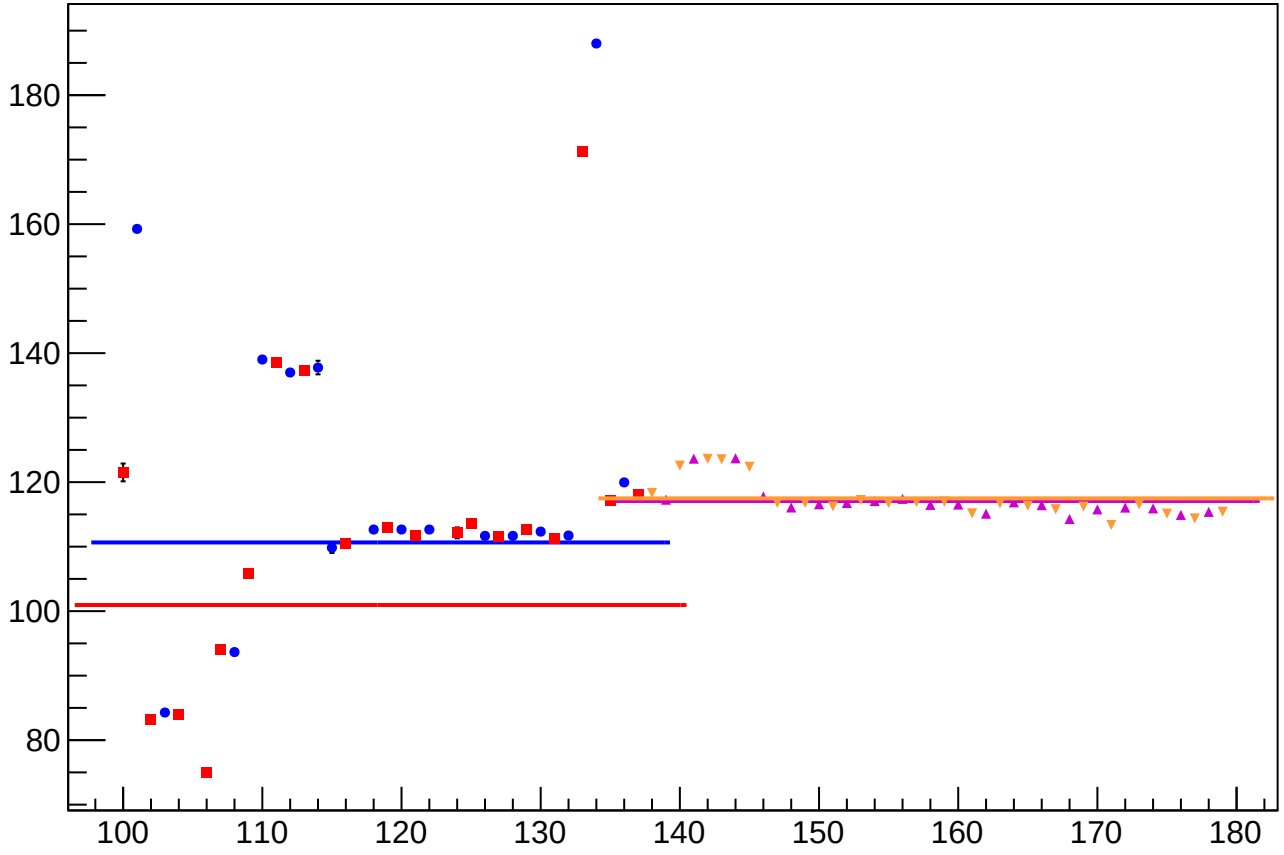
Left In: -74.290+/-0.905 χ^2/NDF:458.7/19

+ sign -77.369+/-0.769 χ^2/NDF: 1157.3/37

All: -76.686+/-0.549 χ^2/NDF: 2309.1/76

- sign -75.976+/-0.784 χ^2/NDF: 1150.2/38

reg_asym_atr_dd_diff_bpm12X_slope vs Slug



Right In: 110.651+/-0.086 χ^2/NDF: 83521.8/15

Left Out: 117.485+/-0.041 χ^2/NDF:4727.9/21

Right Out: 100.949+/-0.081 χ^2/NDF: 62002.4/18

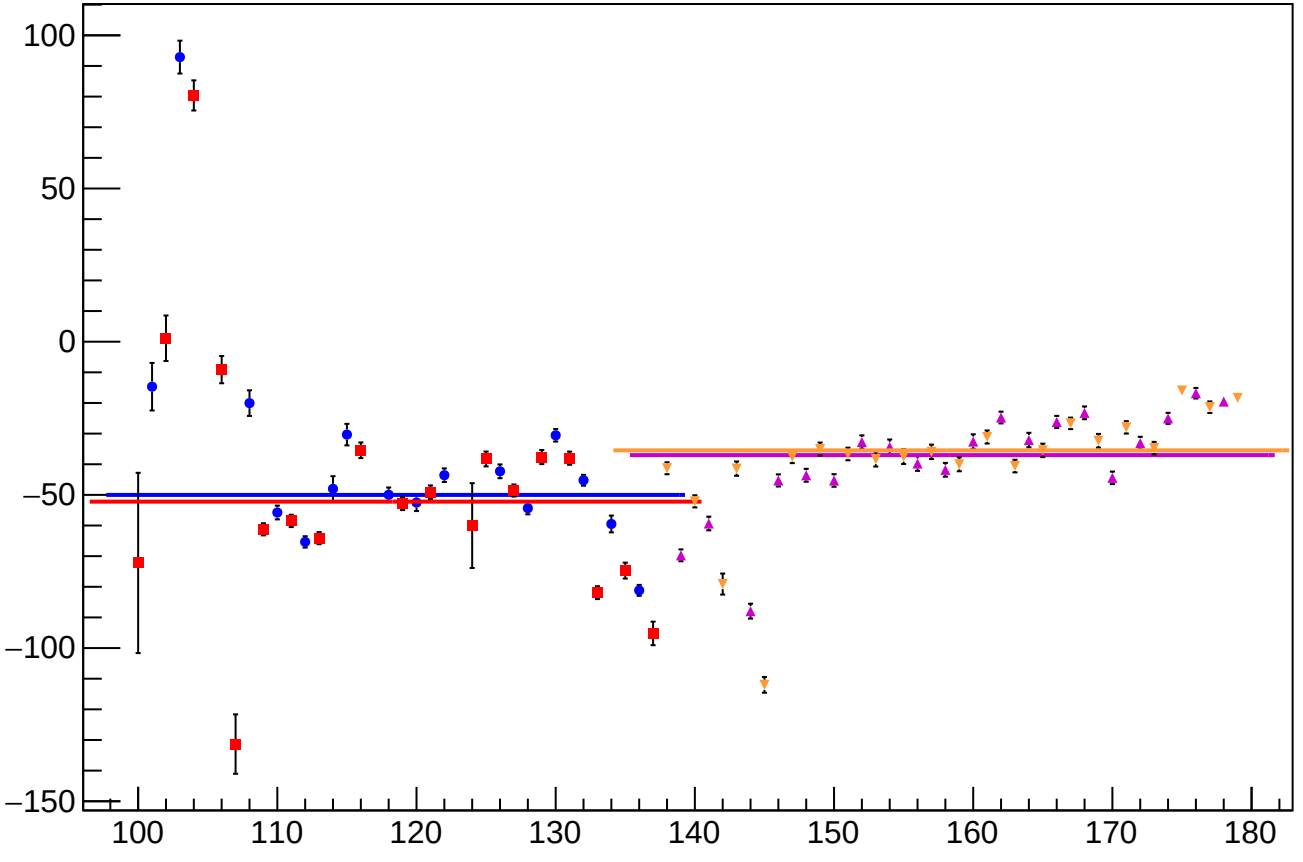
Left In: 117.079+/-0.041 χ^2/NDF:3230.4/19

\+ sign 116.234+/-0.037 χ^2/NDF: 93430.8/37

All: 114.998+/-0.026 χ^2/NDF: 192451.6/76

\- sign 113.760+/-0.037 χ^2/NDF: 96751.1/38

reg_asym_at1_avg_diff_bpm1X_slope vs Slug



Right In: -50.008+/-0.610 χ^2/NDF: 1327.4/15

Left Out: -35.469+/-0.443 χ^2/NDF:1533.6/21

Right Out: -52.207+/-0.605 χ^2/NDF: 1570.3/18

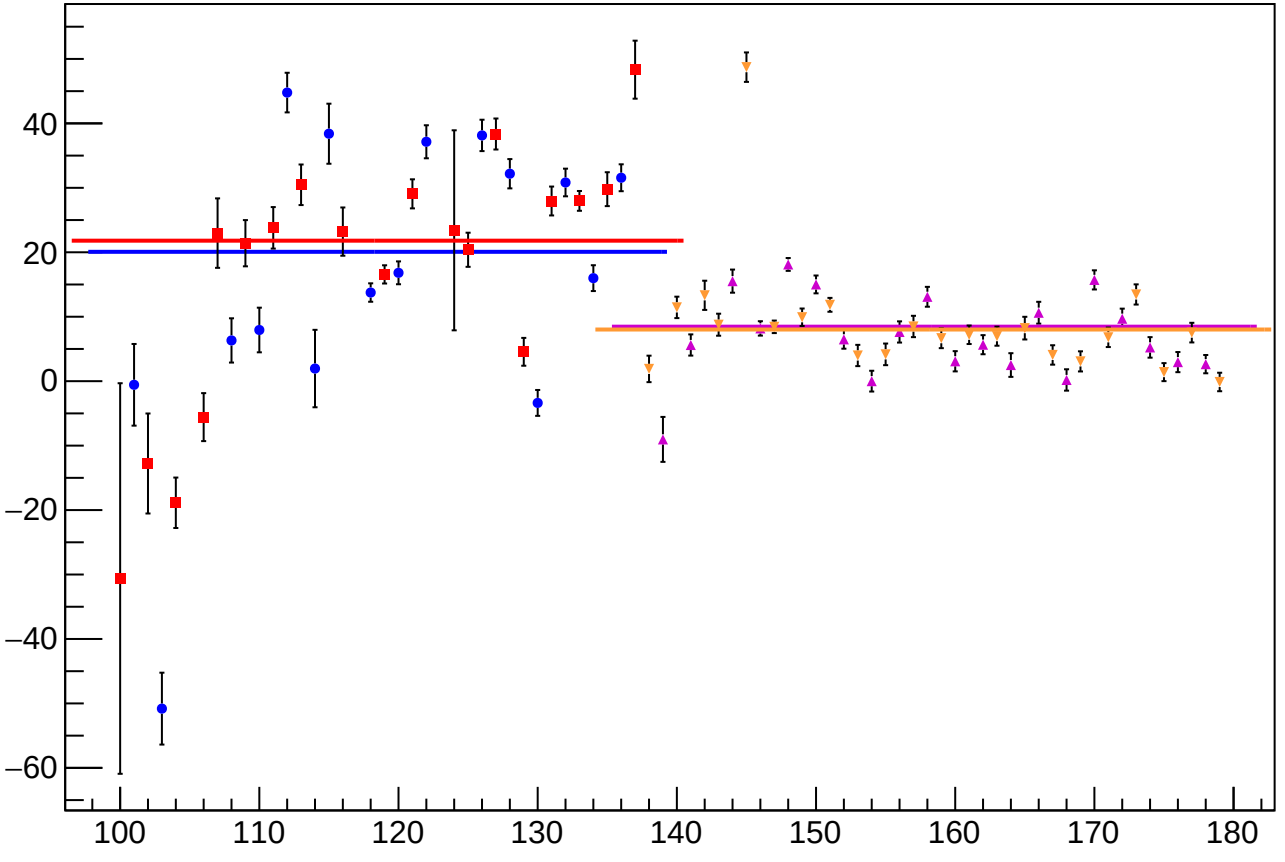
Left In: -37.008+/-0.460 χ^2/NDF:1315.2/19

+ sign -40.496+/-0.359 χ^2/NDF: 3232.6/37

All: -41.515+/-0.256 χ^2/NDF: 6534.5/76

- sign -42.576+/-0.366 χ^2/NDF: 3285.4/38

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug



Right In: 20.072+/-0.612 χ^2/NDF: 636.2/15

Left Out: 8.015+/-0.321 χ^2/NDF:448.0/21

Right Out: 21.800+/-0.622 χ^2/NDF: 396.3/18

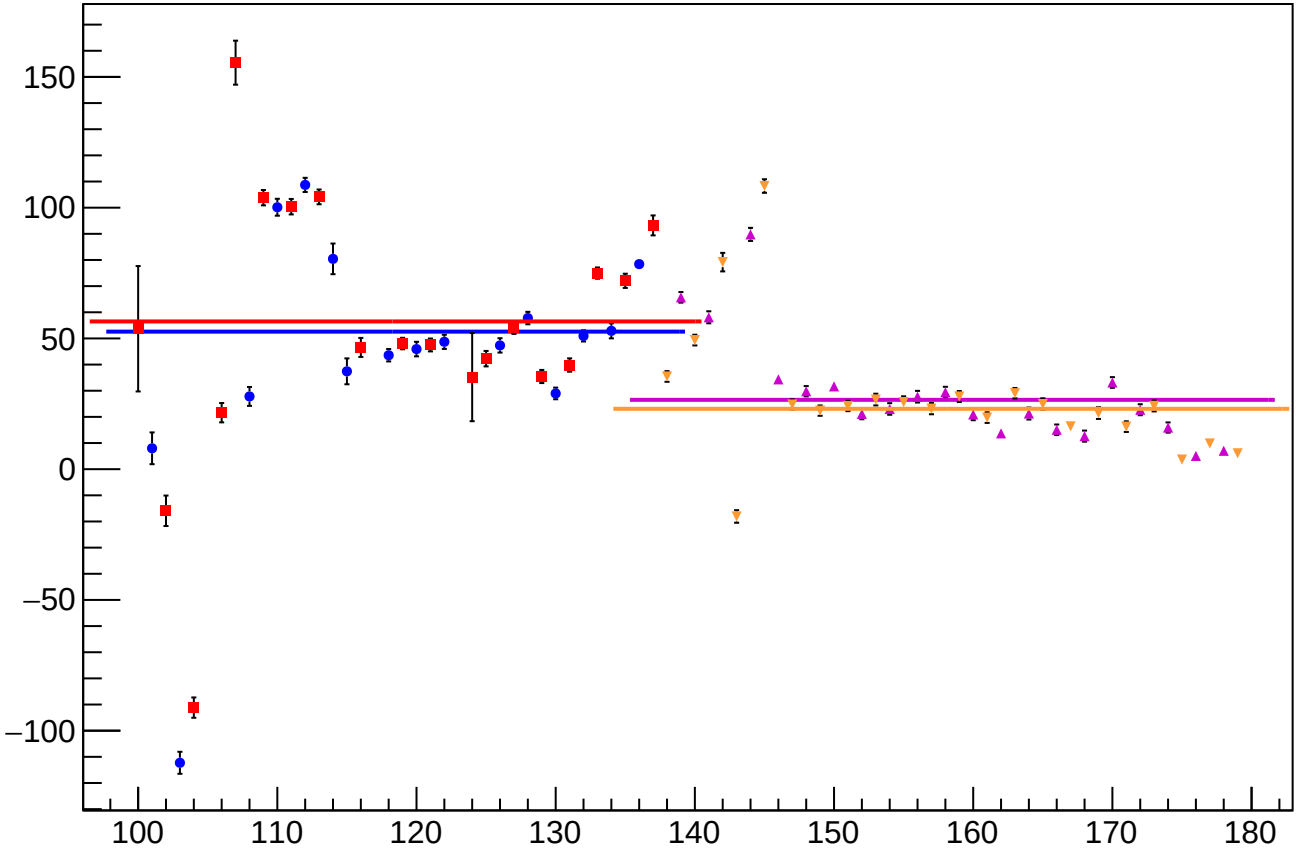
Left In: 8.457+/-0.338 χ^2/NDF:308.5/19

\+ sign 10.619+/-0.284 χ^2/NDF: 1388.6/37

All: 11.037+/-0.205 χ^2/NDF: 2453.4/76

\- sign 11.492+/-0.297 χ^2/NDF: 1060.3/38

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug



Right In: 52.605+/-0.696 χ^2/NDF: 2659.4/15

Left Out: 23.087+/-0.436 χ^2/NDF:2209.1/21

Right Out: 56.499+/-0.705 χ^2/NDF: 2965.5/18

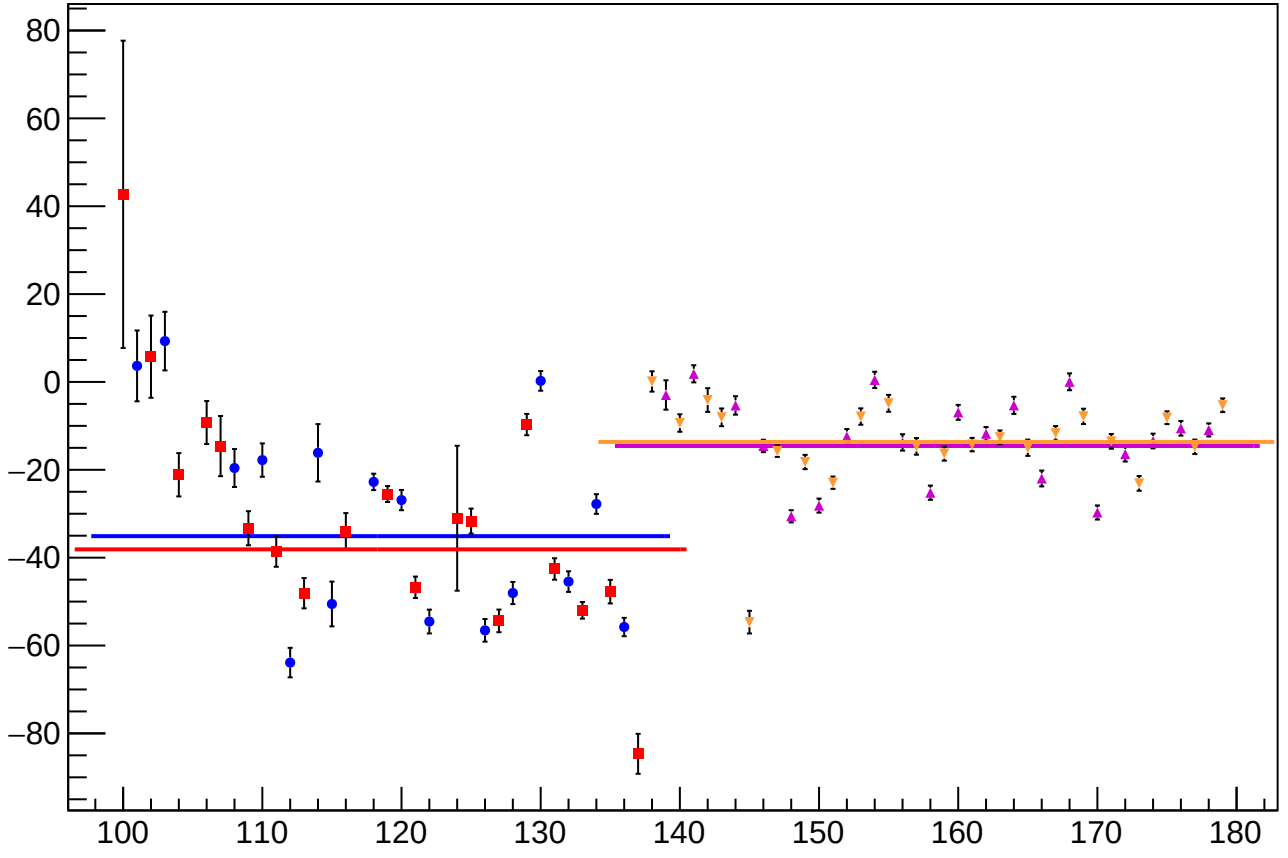
Left In: 26.518+/-0.452 χ^2/NDF:1728.2/19

\+ sign 31.389+/-0.369 χ^2/NDF: 6160.0/37

All: 33.258+/-0.265 χ^2/NDF: 12187.1/76

\- sign 35.244+/-0.381 χ^2/NDF: 5974.2/38

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug



Right In: -35.104+/-0.700 χ^2/NDF: 773.2/15

Left Out: -13.646+/-0.367 χ^2/NDF:488.7/21

Right Out: -38.109+/-0.714 χ^2/NDF: 514.6/18

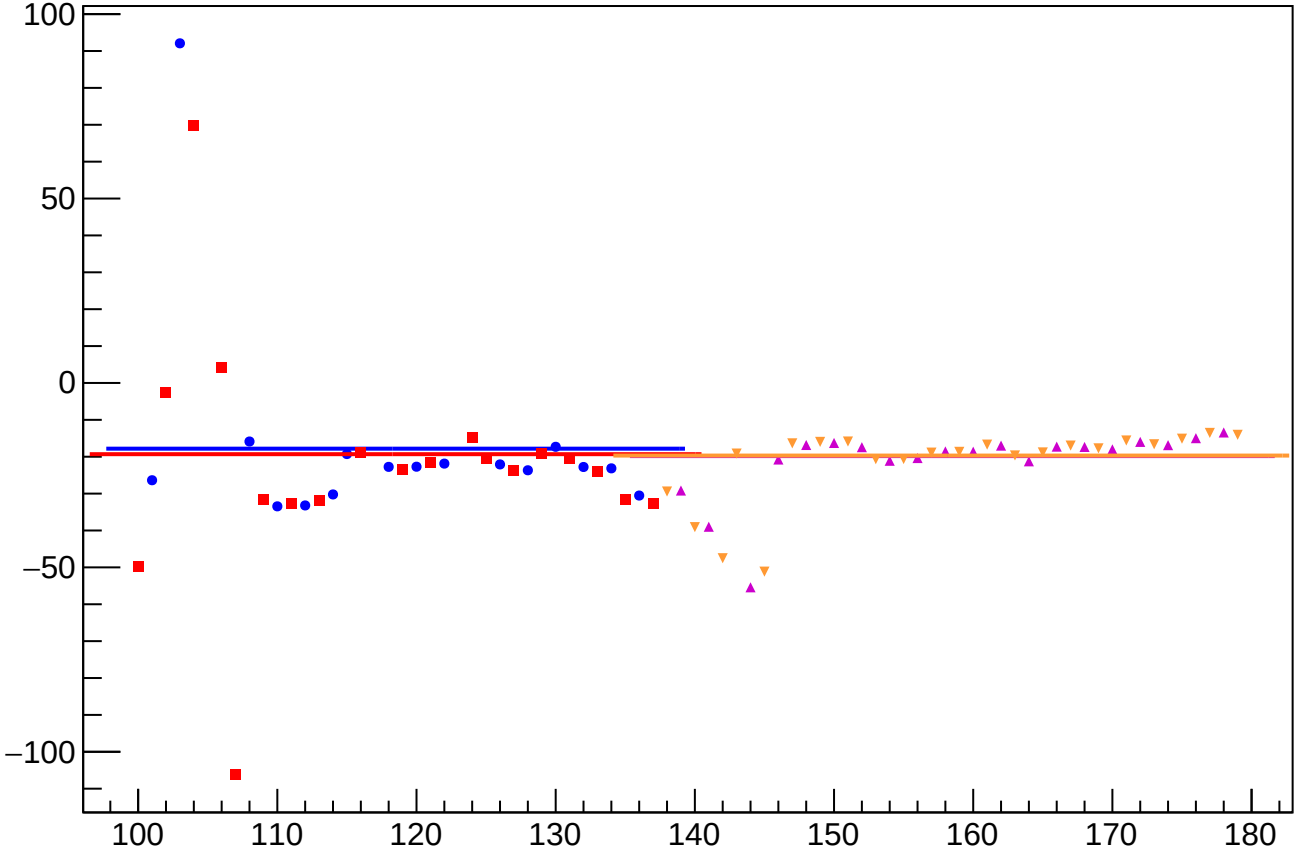
Left In: -14.576+/-0.384 χ^2/NDF:640.6/19

+ sign -18.265+/-0.325 χ^2/NDF: 1999.1/37

All: -19.028+/-0.234 χ^2/NDF: 4008.8/76

- sign -19.853+/-0.338 χ^2/NDF: 1998.2/38

reg_asym_at1_avg_diff_bpm12X_slope vs Slug



Right In: -17.817+/-0.043 χ^2/NDF: 426105.1/15

Left Out: -19.687+/-0.017 χ^2/NDF:226821.4/21

Right Out: -19.311+/-0.046 χ^2/NDF: 344626.7/18

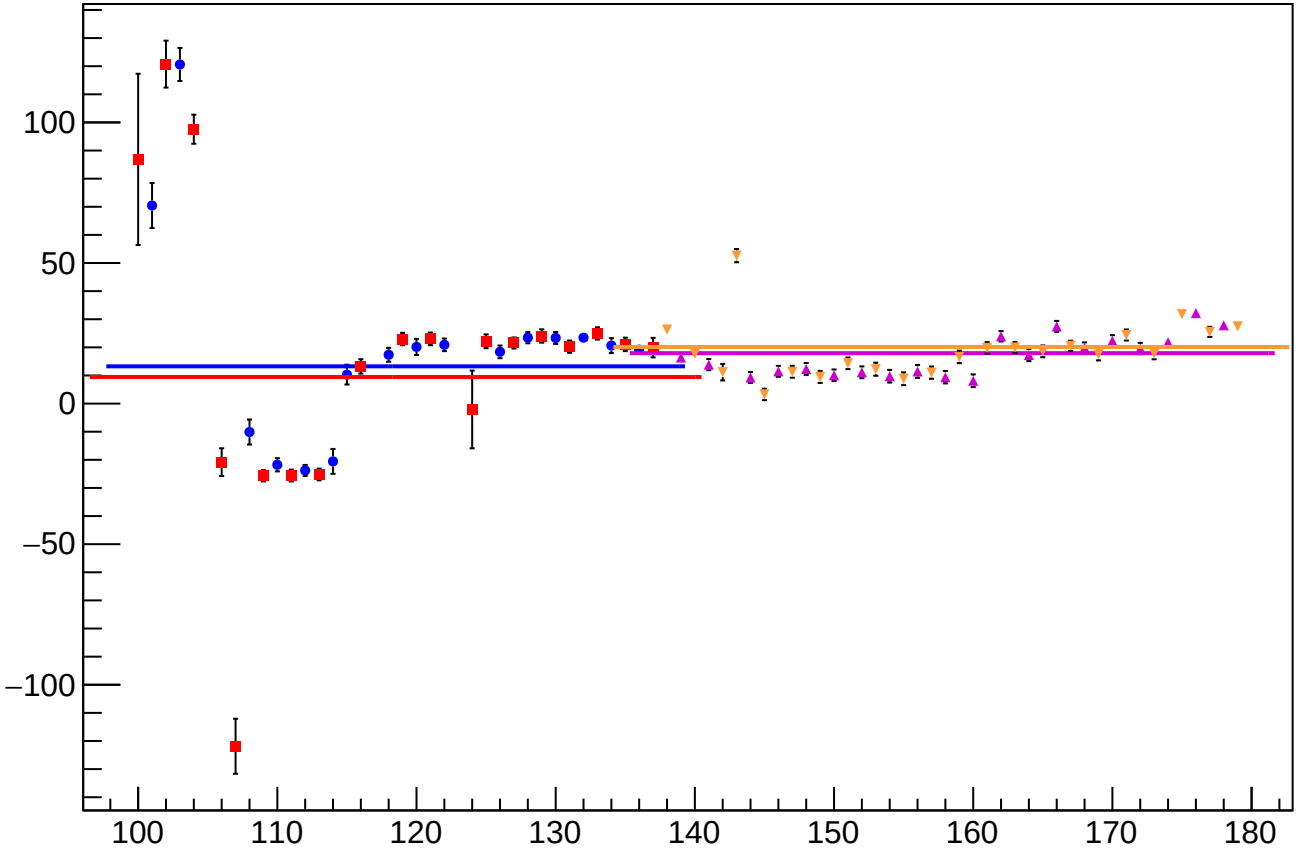
Left In: -19.830+/-0.017 χ^2/NDF:187008.4/19

\+ sign -19.447+/-0.015 χ^2/NDF: 654557.0/37

All: -19.603+/-0.011 χ^2/NDF: 1186512.4/76

\- sign -19.768+/-0.016 χ^2/NDF: 531746.8/38

reg_asym_at1_dd_diff_bpm1X_slope vs Slug



Right In: 13.250+/-0.615 χ^2/NDF: 1182.5/15

Left Out: 20.134+/-0.422 χ^2/NDF:493.3/21

Right Out: 9.450+/-0.615 χ^2/NDF: 1836.6/18

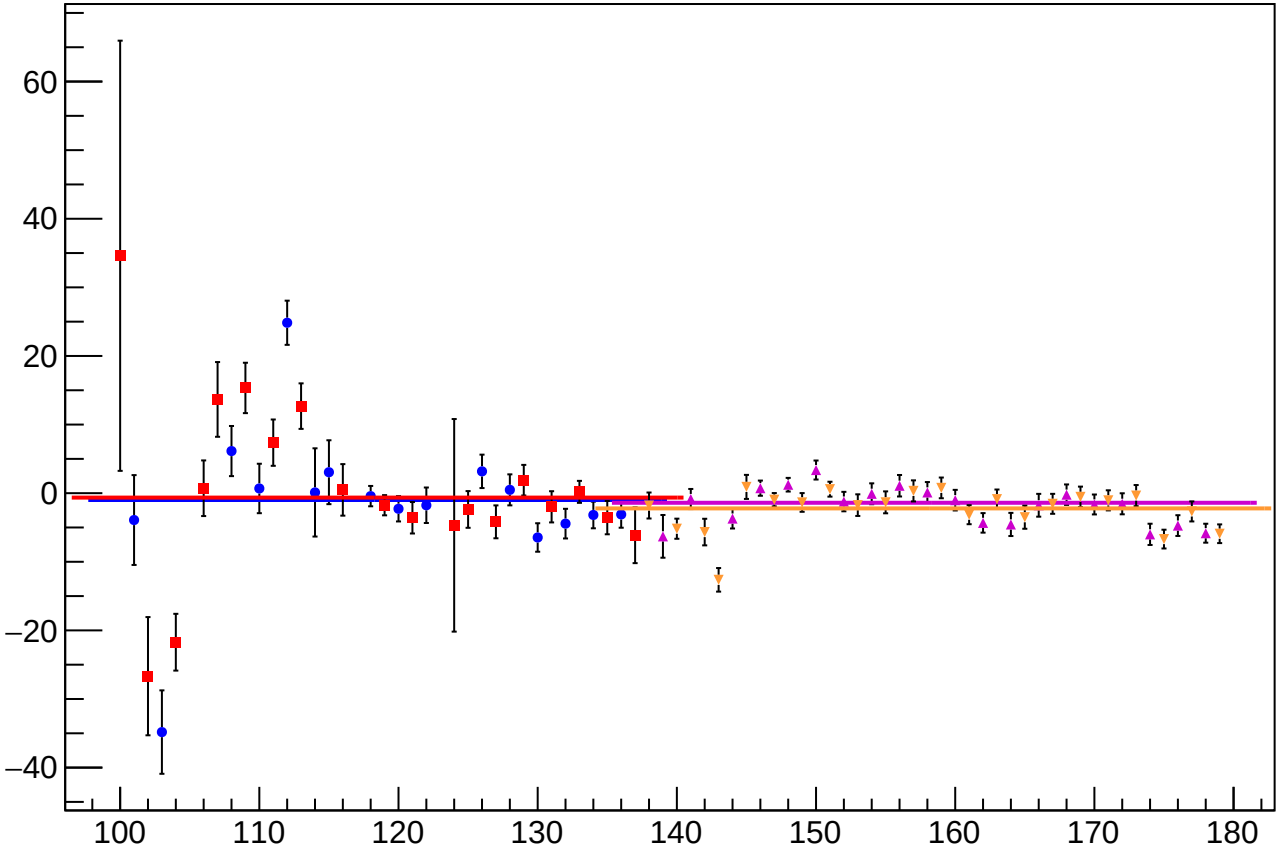
Left In: 17.939+/-0.437 χ^2/NDF:282.4/19

+ sign 17.928+/-0.348 χ^2/NDF: 1761.0/37

All: 16.542+/-0.249 χ^2/NDF: 4039.1/76

- sign 15.090+/-0.356 χ^2/NDF: 2245.6/38

reg_asym_at1_dd_diff_bpm4aY_slope vs Slug



Right In: -0.993+/-0.619 χ^2/NDF: 116.3/15

Left Out: -2.220+/-0.309 χ^2/NDF:86.7/21

Right Out: -0.644+/-0.636 χ^2/NDF: 94.2/18

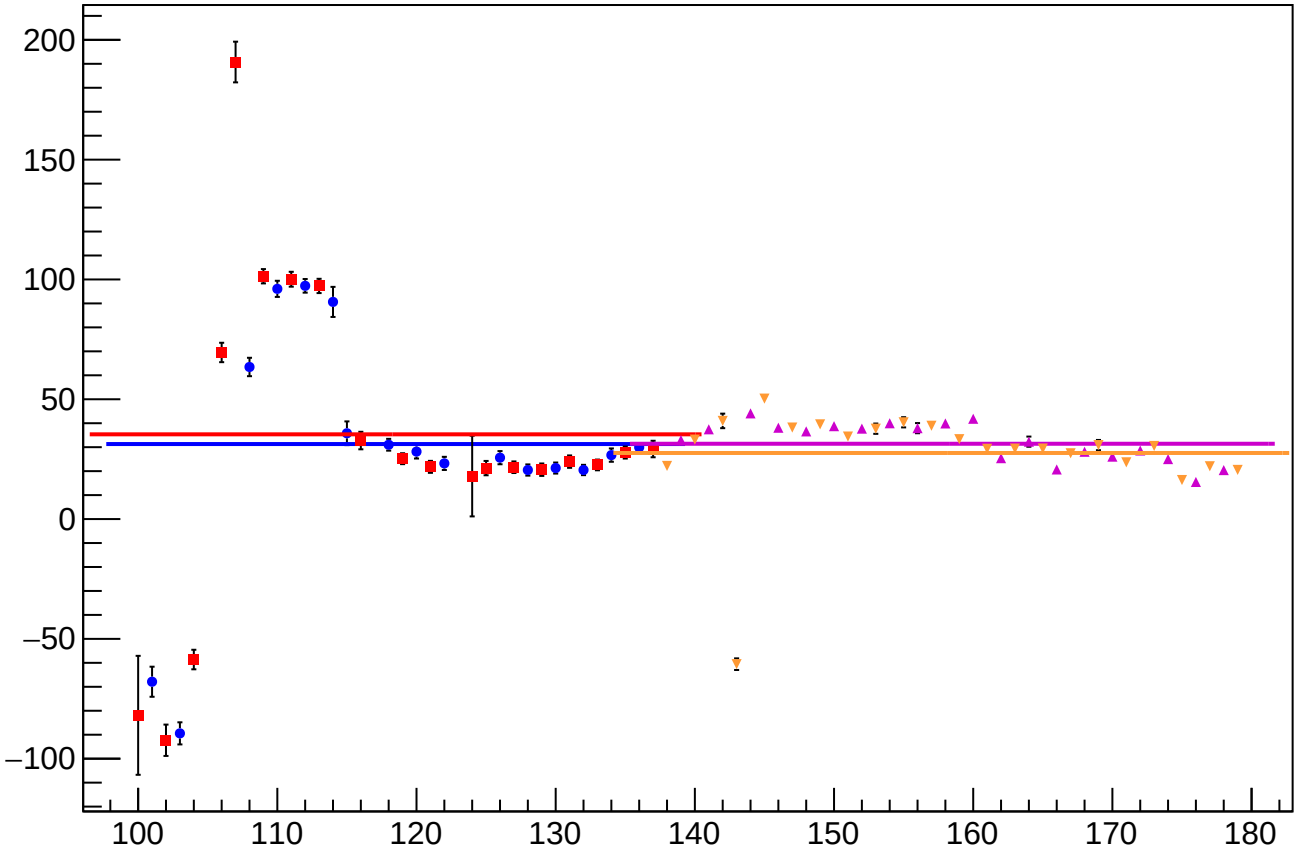
Left In: -1.400+/-0.324 χ^2/NDF:64.5/19

+ sign -1.976+/-0.276 χ^2/NDF: 206.1/37

All: -1.626+/-0.199 χ^2/NDF: 369.4/76

- sign -1.244+/-0.288 χ^2/NDF: 159.9/38

reg_asym_at1_dd_diff_bpm4eX_slope vs Slug



Right In: 31.310+/-0.700 χ^2/NDF: 2085.9/15

Left Out: 27.582+/-0.415 χ^2/NDF:1755.9/21

Right Out: 35.366+/-0.717 χ^2/NDF: 2897.7/18

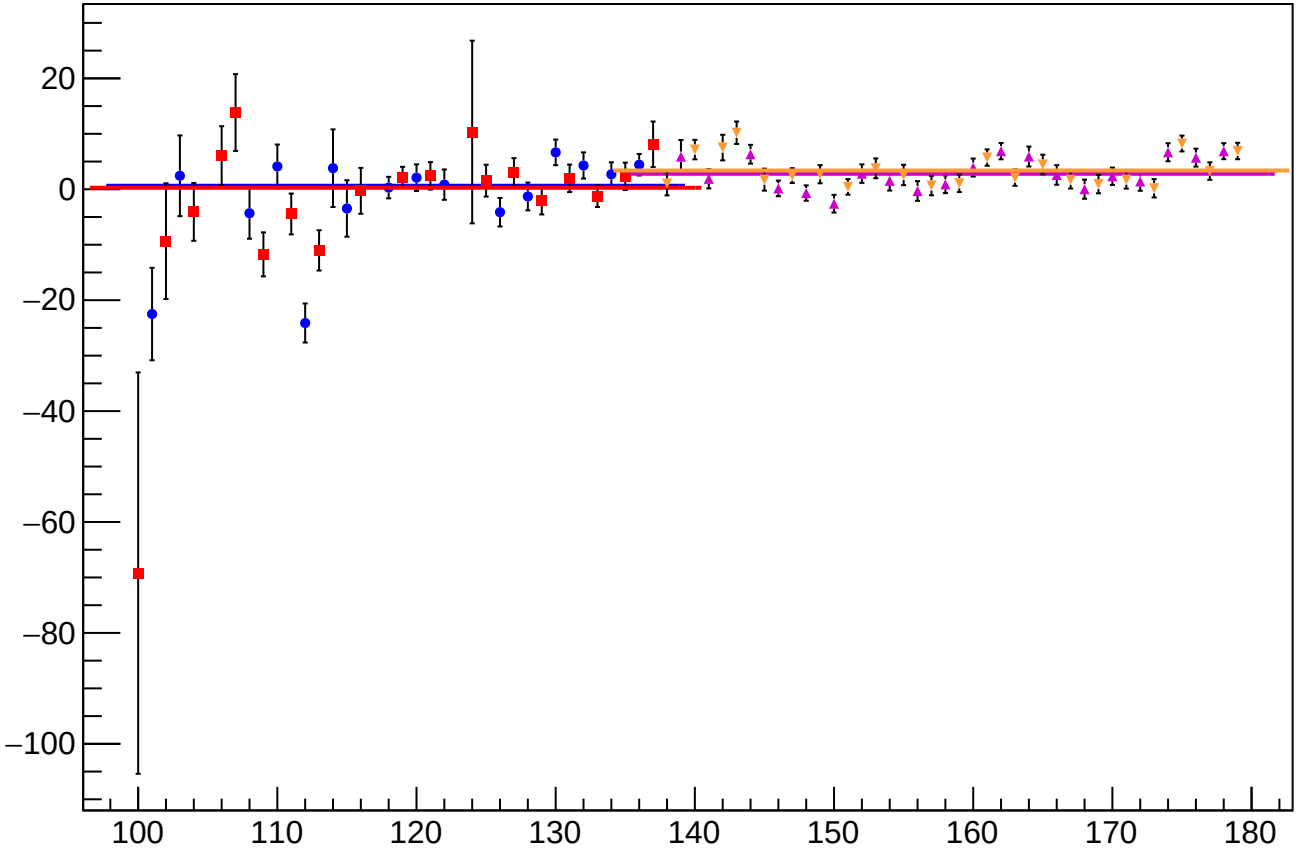
Left In: 31.432+/-0.430 χ^2/NDF:370.0/19

\+ sign 28.552+/-0.357 χ^2/NDF: 3862.8/37

All: 30.449+/-0.257 χ^2/NDF: 7210.8/76

\- sign 32.473+/-0.369 χ^2/NDF: 3289.8/38

reg_asym_at1_dd_diff_bpm4eY_slope vs Slug



Right In: 0.632+/-0.705 χ^2/NDF: 78.4/15

Left Out: 3.384+/-0.352 χ^2/NDF:59.8/21

Right Out: 0.274+/-0.726 χ^2/NDF: 40.5/18

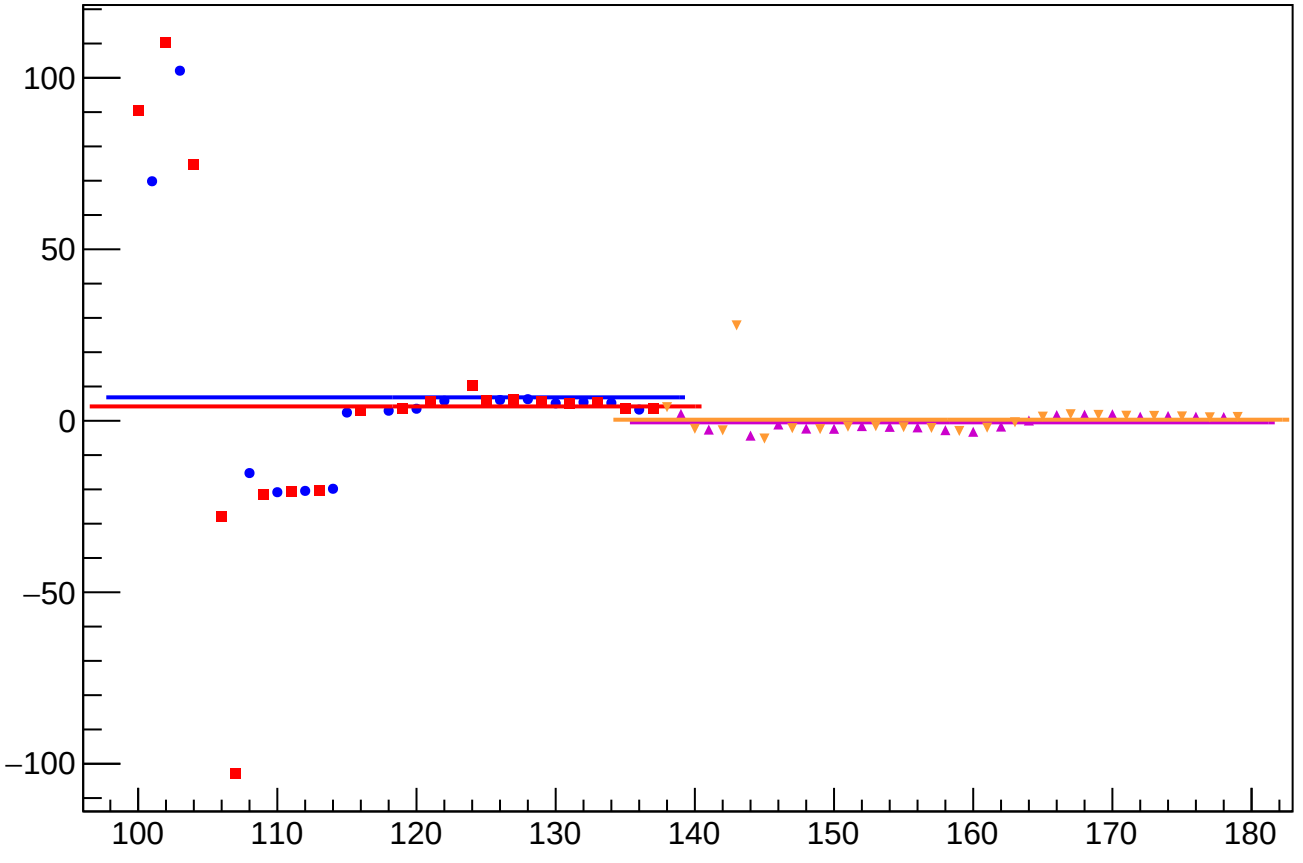
Left In: 2.794+/-0.367 χ^2/NDF:63.3/19

+ sign 2.835+/-0.315 χ^2/NDF: 150.4/37

All: 2.569+/-0.227 χ^2/NDF: 265.2/76

- sign 2.280+/-0.328 χ^2/NDF: 113.3/38

reg_asym_at1_dd_diff_bpm12X_slope vs Slug



Right In: 6.838+/-0.043 χ^2/NDF: 320954.7/15

Left Out: 0.318+/-0.016 χ^2/NDF:94126.4/21

Right Out: 4.190+/-0.046 χ^2/NDF: 434546.8/18

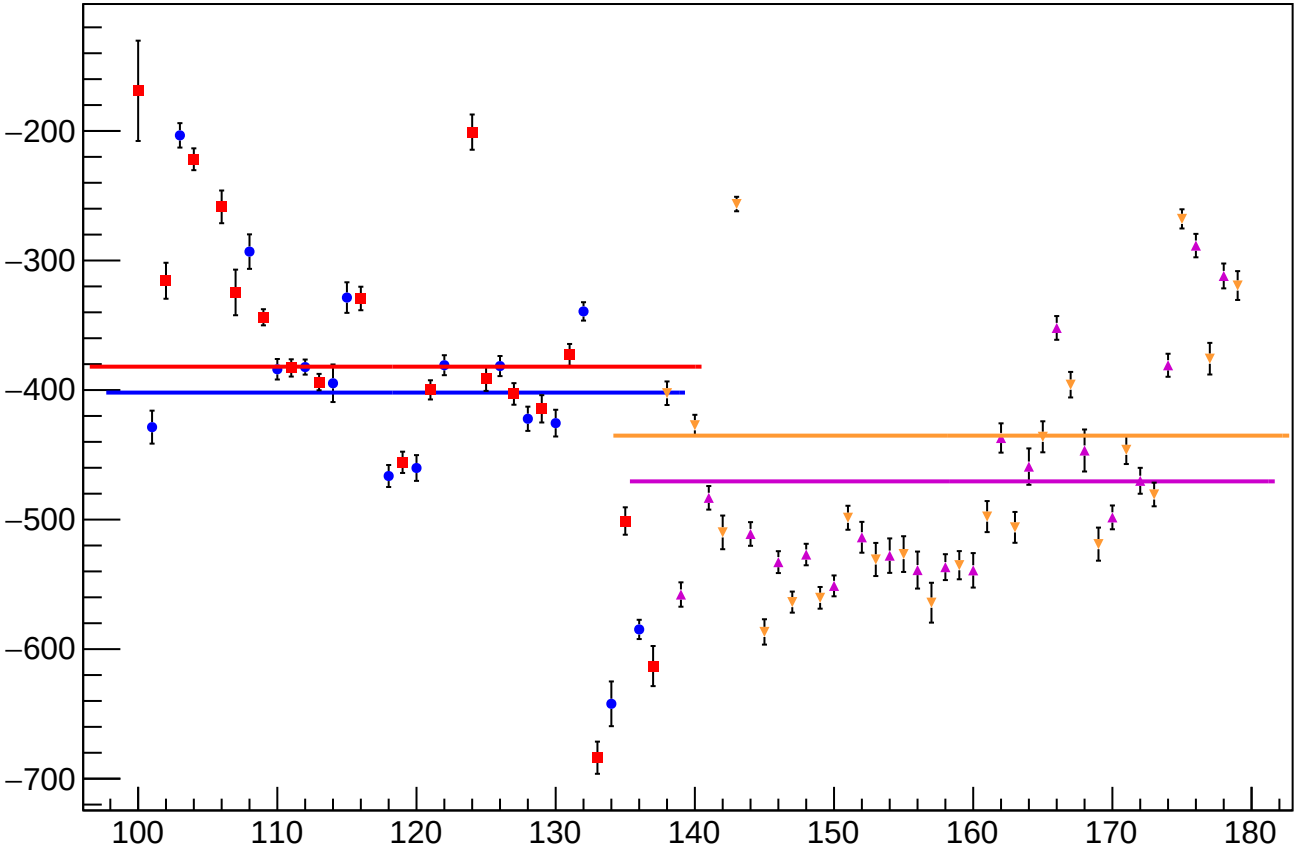
Left In: -0.453+/-0.016 χ^2/NDF:14433.7/19

+ sign 1.099+/-0.015 χ^2/NDF: 435465.4/37

All: 0.590+/-0.011 χ^2/NDF: 895836.6/76

- sign 0.051+/-0.015 χ^2/NDF: 457946.0/38

reg_asym_at2_avg_diff_bpm1X_slope vs Slug



Right In: -401.961+/-2.236 χ^2/NDF: 1563.3/15

Left Out: -435.183+/-2.078 χ^2/NDF:2875.3/21

Right Out: -381.949+/-2.124 χ^2/NDF: 1817.4/18

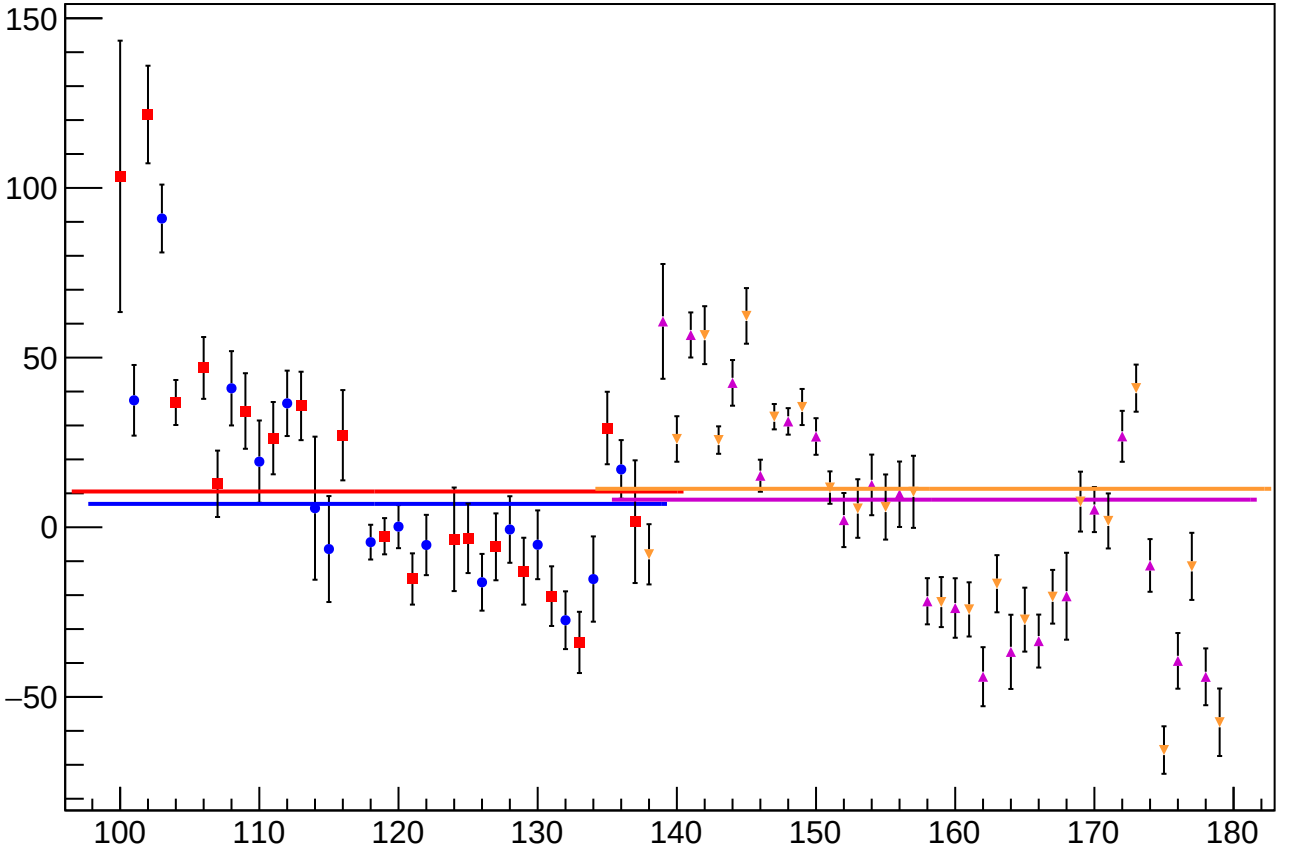
Left In: -470.496+/-2.243 χ^2/NDF:1402.2/19

+ sign -419.789+/-1.522 χ^2/NDF: 4557.1/37

All: -421.779+/-1.083 χ^2/NDF: 8601.7/76

- sign -423.822+/-1.542 χ^2/NDF: 4041.2/38

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug



Right In: 6.889+/-2.264 χ^2/NDF: 138.4/15

Left Out: 11.336+/-1.453 χ^2/NDF:420.8/21

Right Out: 10.544+/-2.197 χ^2/NDF: 180.0/18

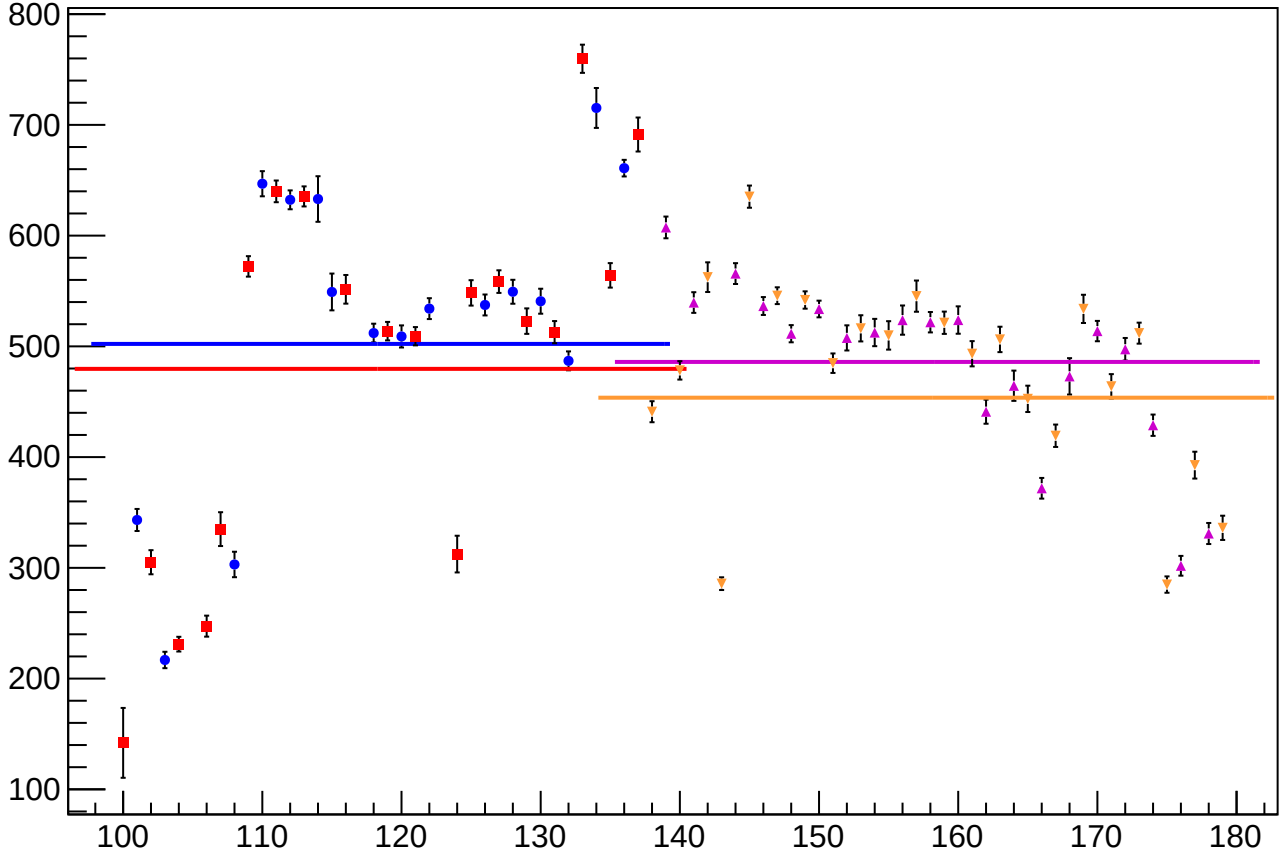
Left In: 8.133+/-1.587 χ^2/NDF:342.9/19

+ sign 10.039+/-1.223 χ^2/NDF: 561.9/37

All: 9.527+/-0.886 χ^2/NDF: 1086.0/76

- sign 8.960+/-1.287 χ^2/NDF: 523.7/38

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug



Right In: 502.213+/-2.493 χ^2/NDF: 3135.2/15

Left Out: 453.656+/-2.053 χ^2/NDF:2467.5/21

Right Out: 479.679+/-2.399 χ^2/NDF: 4138.5/18

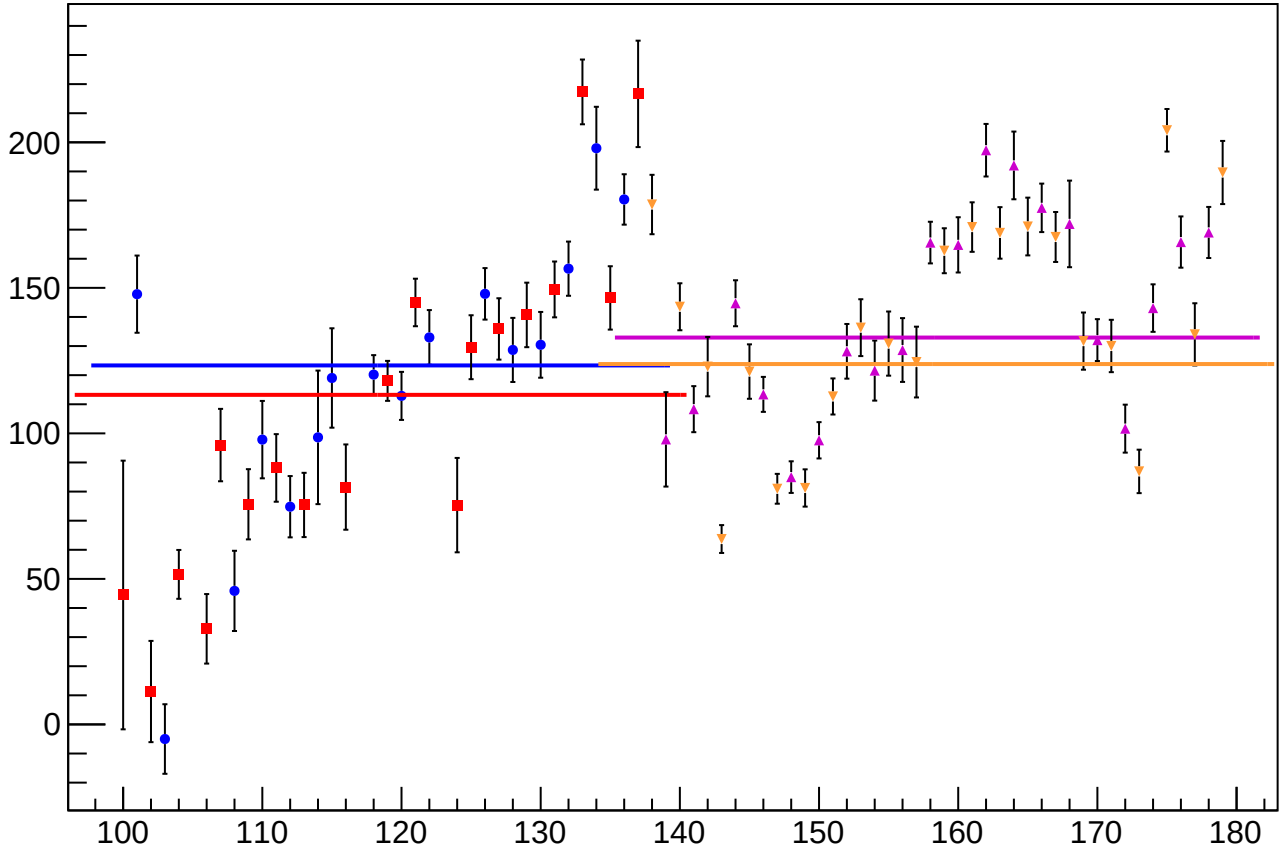
Left In: 485.944+/-2.203 χ^2/NDF:1295.3/19

+ sign 473.274+/-1.585 χ^2/NDF: 5828.7/37

All: 478.059+/-1.134 χ^2/NDF: 11285.0/76

- sign 483.078+/-1.623 χ^2/NDF: 5437.6/38

reg_asym_at2_avg_diff_bpm4eY_slope vs Slug



Right In: 123.344+/-2.627 χ^2/NDF: 271.4/15

Left Out: 123.818+/-1.697 χ^2/NDF:626.3/21

Right Out: 113.235+/-2.545 χ^2/NDF: 345.8/18

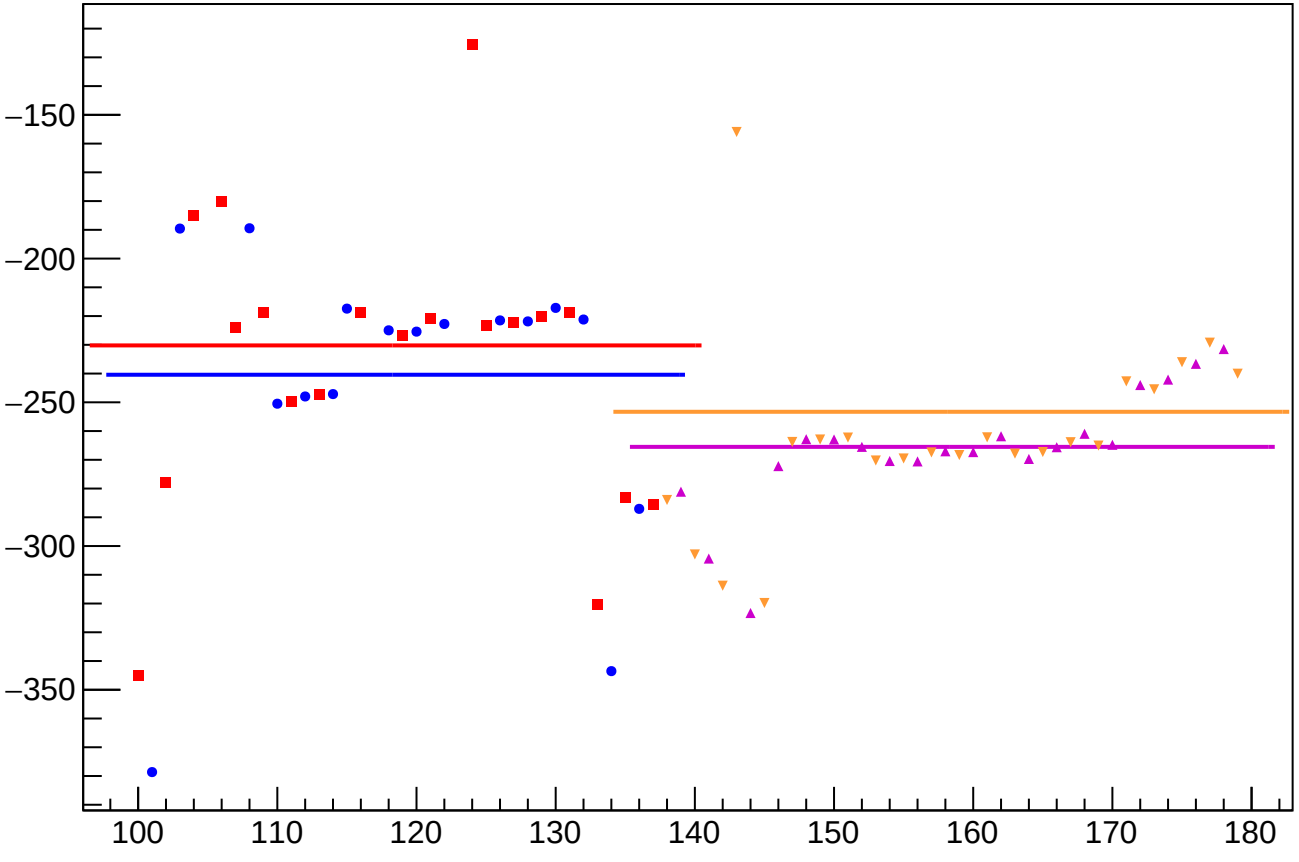
Left In: 132.920+/-1.837 χ^2/NDF:329.6/19

+ sign 123.678+/-1.425 χ^2/NDF: 897.7/37

All: 124.872+/-1.030 χ^2/NDF: 1613.9/76

- sign 126.176+/-1.490 χ^2/NDF: 714.7/38

reg_asym_at2_avg_diff_bpm12X_slope vs Slug



Right In: -240.411+/-0.151 χ^2/NDF: 134152.1/15

Left Out: -253.296+/-0.080 χ^2/NDF:250173.3/21

Right Out: -230.207+/-0.146 χ^2/NDF: 83431.4/18

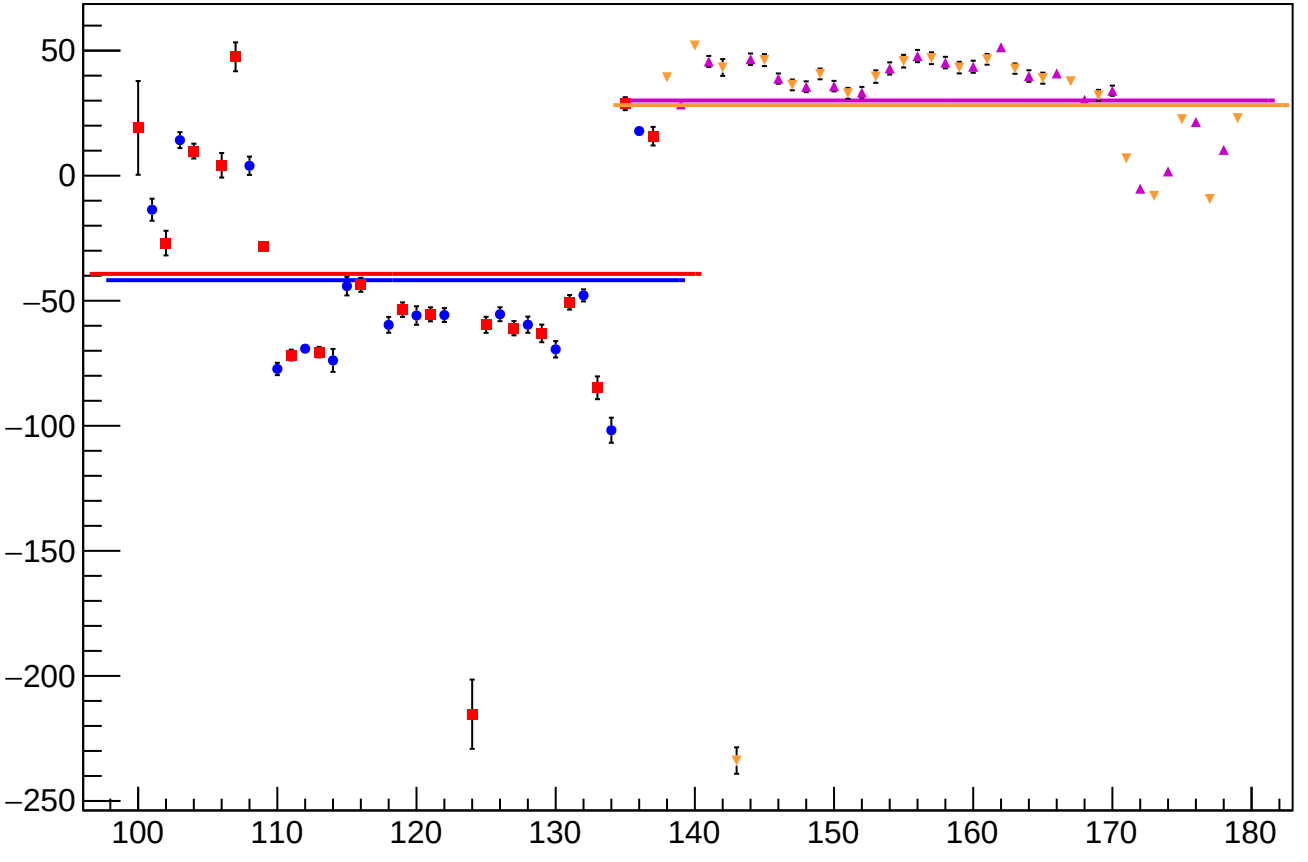
Left In: -265.500+/-0.084 χ^2/NDF:52995.9/19

+ sign -250.445+/-0.071 χ^2/NDF: 390024.2/37

All: -253.501+/-0.051 χ^2/NDF: 573924.2/76

- sign -256.743+/-0.073 χ^2/NDF: 180065.6/38

reg_asym_at2_dd_diff_bpm1X_slope vs Slug



Right In: -41.788+/-0.723 χ^2/NDF: 2405.5/15

Left Out: 28.213+/-0.440 χ^2/NDF:4085.7/21

Right Out: -39.263+/-0.680 χ^2/NDF: 2478.3/18

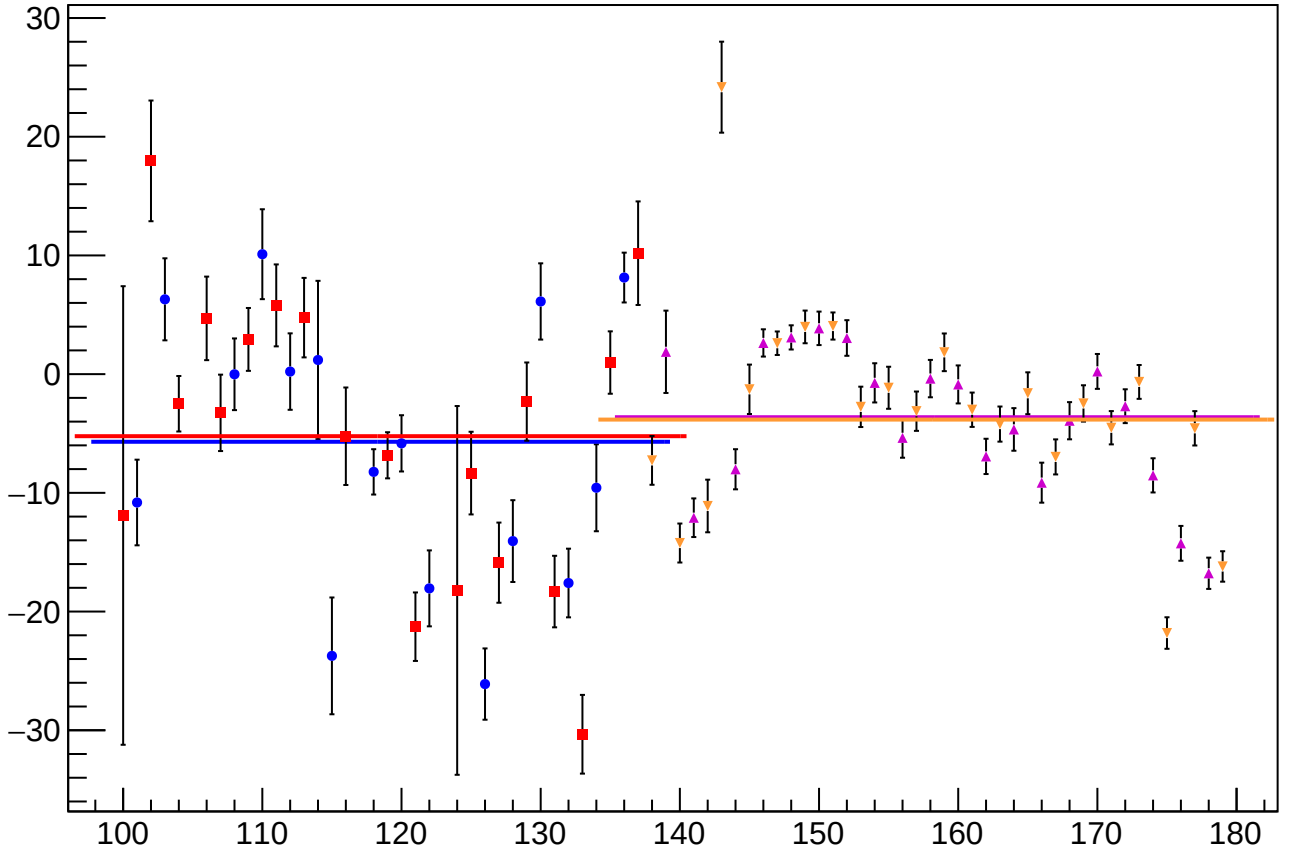
Left In: 30.061+/-0.450 χ^2/NDF:1321.6/19

+ sign 9.325+/-0.376 χ^2/NDF: 13333.5/37

All: 9.129+/-0.265 χ^2/NDF: 24367.3/76

- sign 8.933+/-0.375 χ^2/NDF: 11033.3/38

reg_asym_at2_dd_diff_bpm4aY_slope vs Slug



Right In: -5.697+/-0.753 χ^2/NDF: 196.7/15

Left Out: -3.829+/-0.322 χ^2/NDF:535.3/21

Right Out: -5.227+/-0.740 χ^2/NDF: 197.3/18

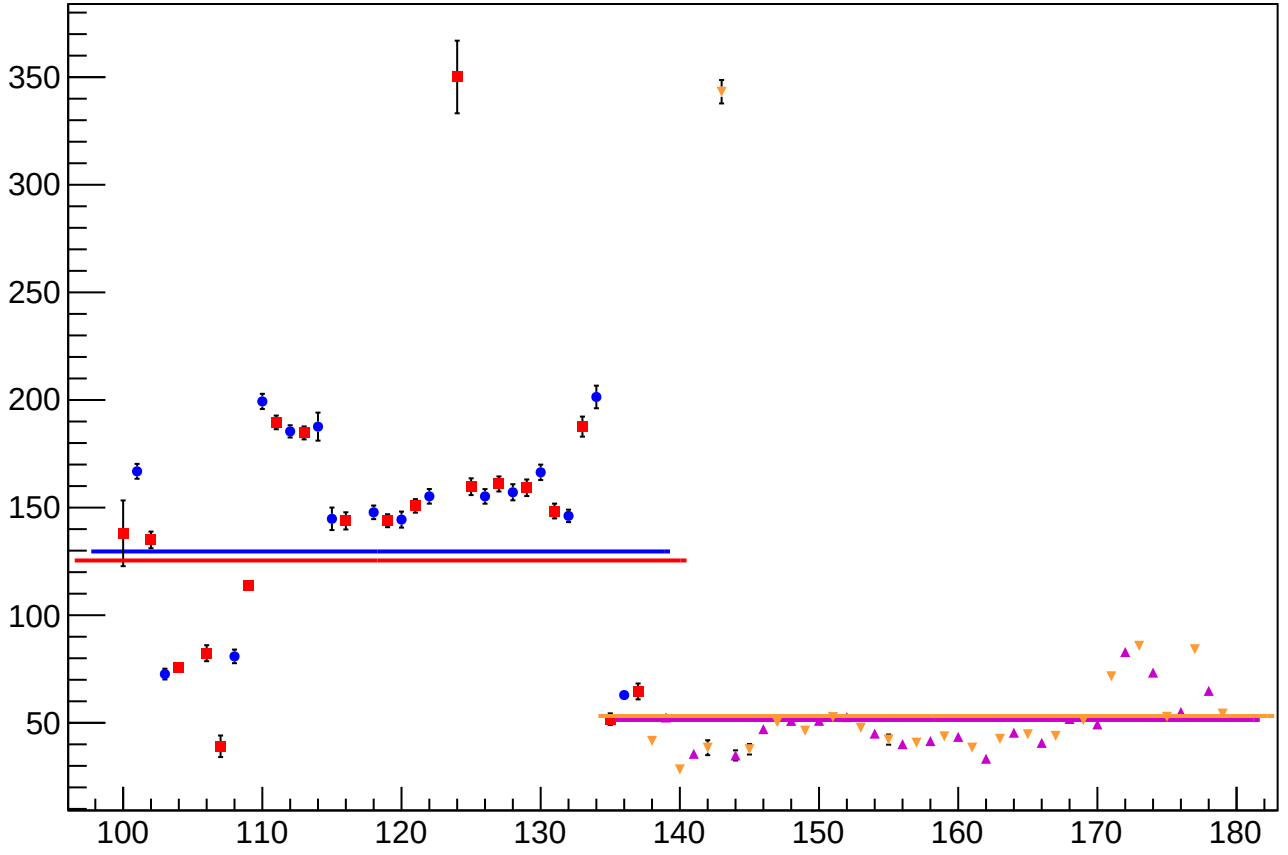
Left In: -3.629+/-0.333 χ^2/NDF:355.7/19

+ sign -4.117+/-0.296 χ^2/NDF: 737.2/37

All: -4.011+/-0.212 χ^2/NDF: 1294.4/76

- sign -3.899+/-0.304 χ^2/NDF: 556.9/38

reg_asym_at2_dd_diff_bpm4eX_slope vs Slug



Right In: 129.621+/-0.801 χ^2/NDF: 3624.4/15

Left Out: 53.156+/-0.432 χ^2/NDF:3979.4/21

Right Out: 125.435+/-0.790 χ^2/NDF: 3503.2/18

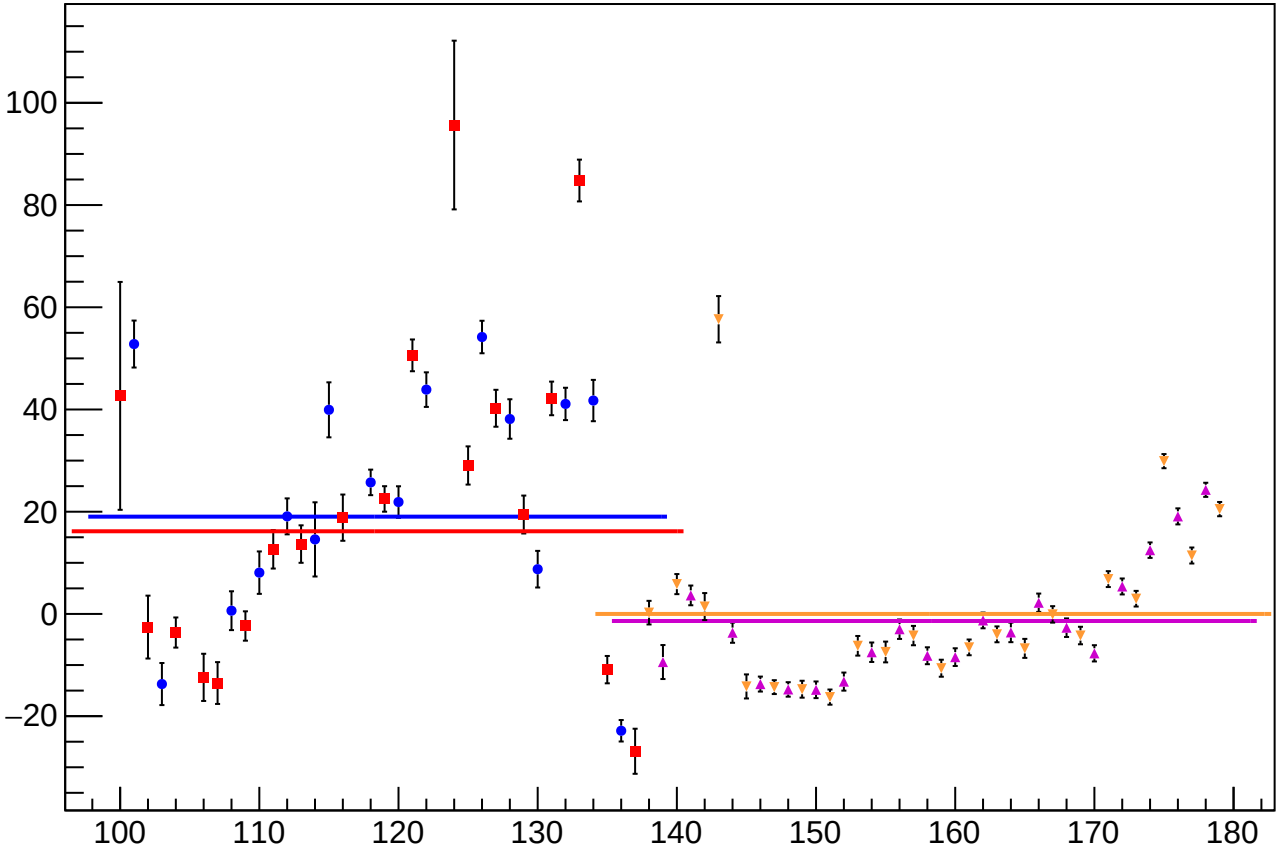
Left In: 51.327+/-0.443 χ^2/NDF:814.4/19

+ sign 70.413+/-0.380 χ^2/NDF: 14666.7/37

All: 69.762+/-0.271 χ^2/NDF: 25684.2/76

- sign 69.090+/-0.387 χ^2/NDF: 11011.5/38

reg_asym_at2_dd_diff_bpm4eY_slope vs Slug



Right In: 19.035+/-0.860 χ^2/NDF: 858.1/15

Left Out: -0.002+/-0.366 χ^2/NDF:1390.5/21

Right Out: 16.173+/-0.846 χ^2/NDF: 941.3/18

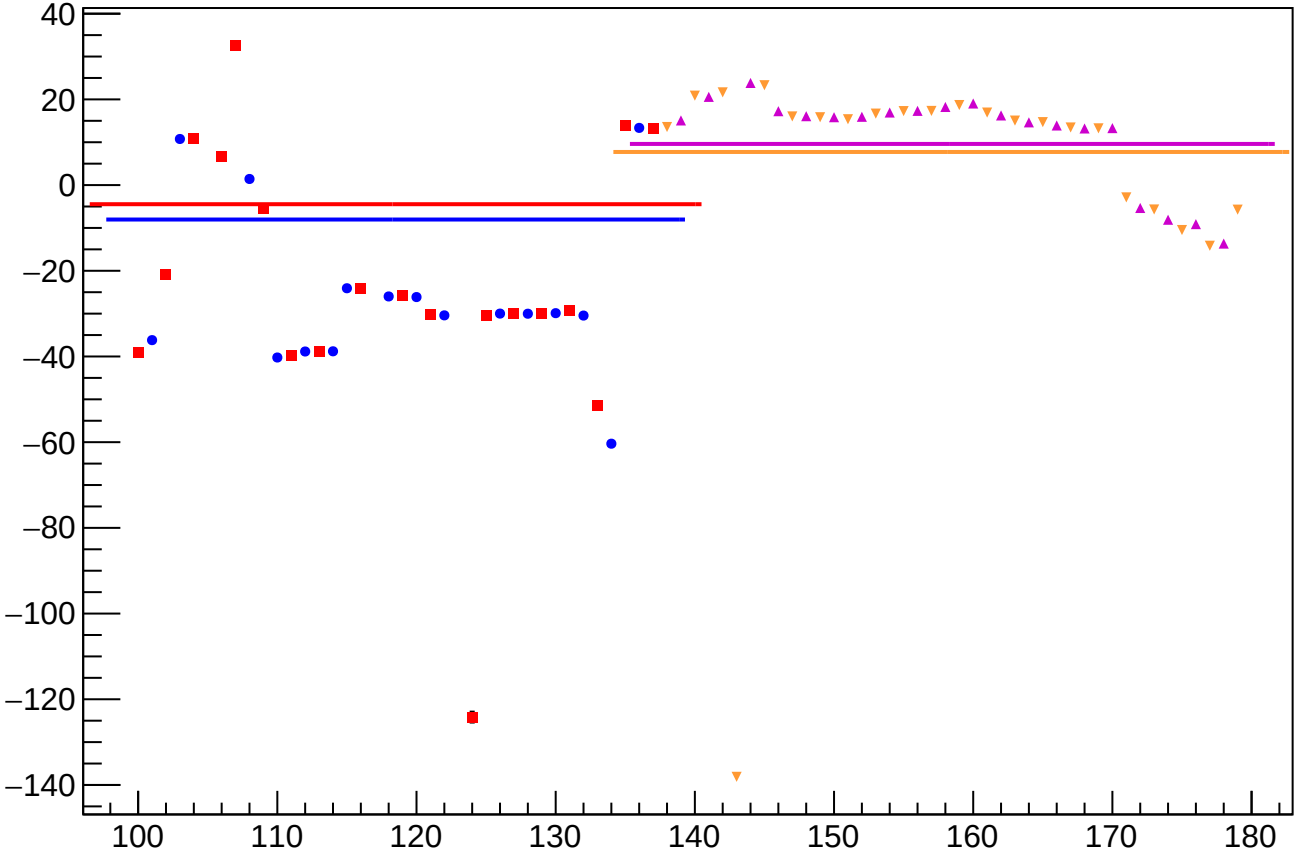
Left In: -1.382+/-0.378 χ^2/NDF:970.7/19

+ sign 2.916+/-0.337 χ^2/NDF: 2663.6/37

All: 2.243+/-0.241 χ^2/NDF: 4942.8/76

- sign 1.538+/-0.345 χ^2/NDF: 2271.0/38

reg_asym_at2_dd_diff_bpm12X_slope vs Slug



Right In: -8.038+/-0.046 χ^2/NDF: 267883.6/15

Left Out: 7.730+/-0.016 χ^2/NDF:925237.0/21

Right Out: -4.461+/-0.047 χ^2/NDF: 228422.2/18

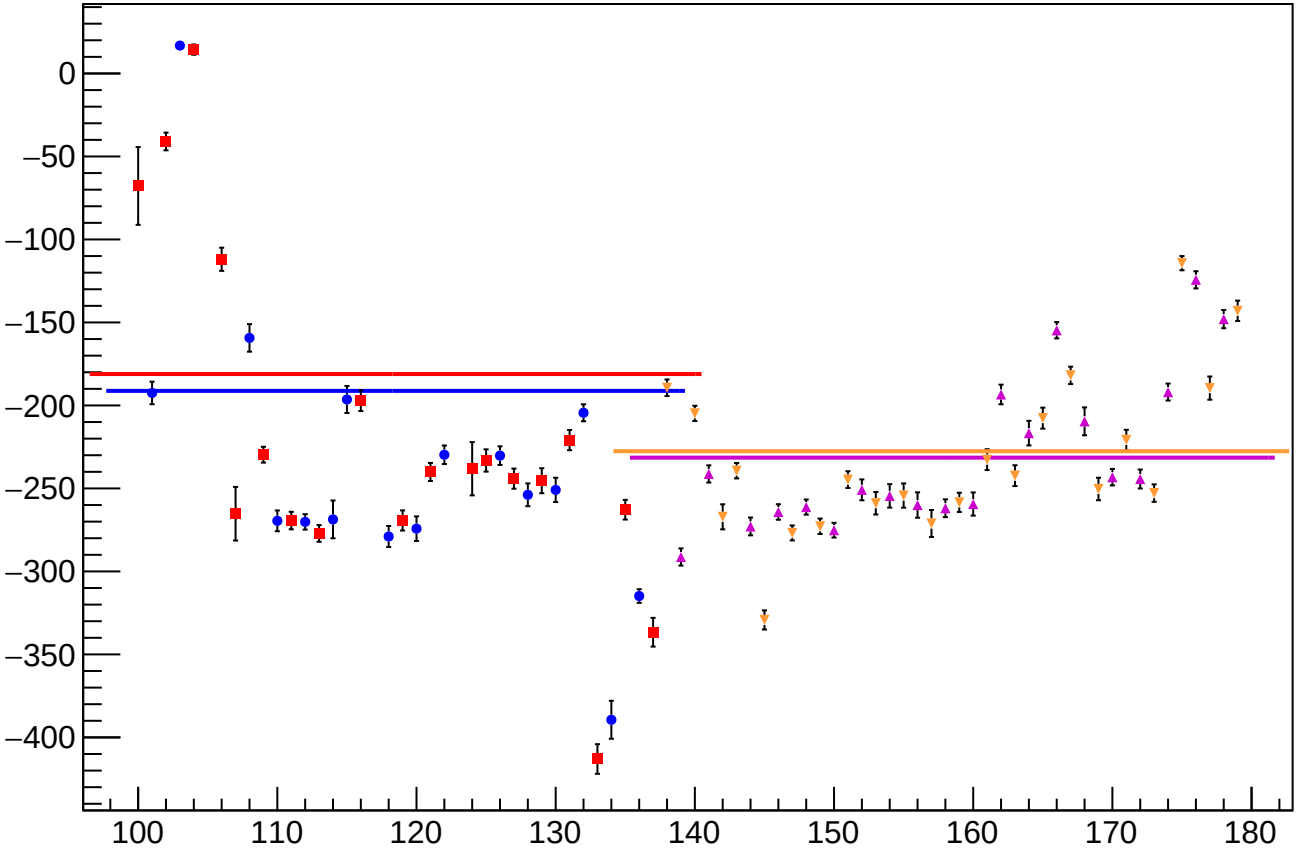
Left In: 9.604+/-0.017 χ^2/NDF:475191.2/19

+ sign 5.929+/-0.015 χ^2/NDF: 1297981.8/37

All: 6.962+/-0.011 χ^2/NDF: 2090772.2/76

- sign 8.022+/-0.016 χ^2/NDF: 783781.6/38

reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug



Right In: -191.225+/-1.419 χ^2/NDF: 7224.7/15

Left Out: -227.572+/-1.195 χ^2/NDF:1791.7/21

Right Out: -181.080+/-1.383 χ^2/NDF: 7374.0/18

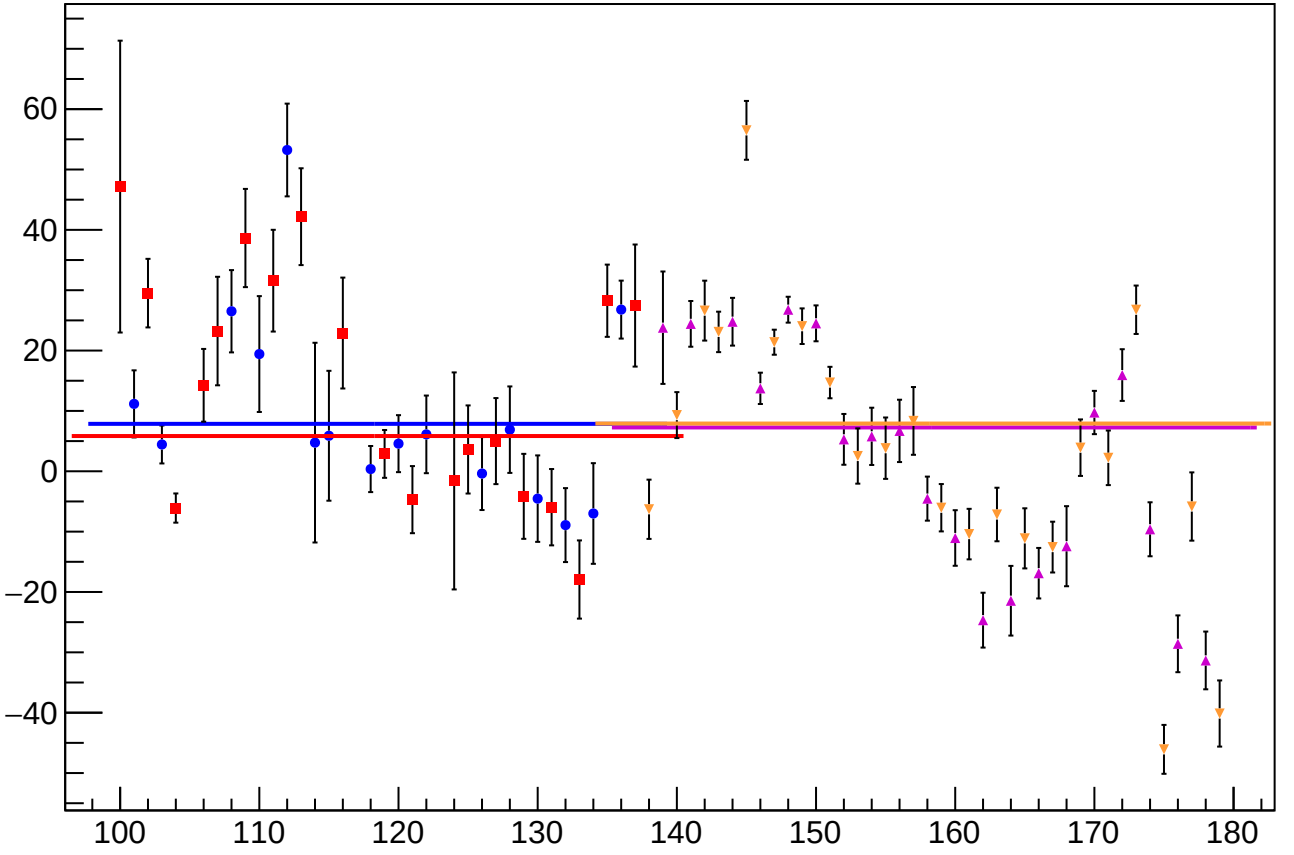
Left In: -231.449+/-1.236 χ^2/NDF:1494.7/19

+ sign -212.487+/-0.914 χ^2/NDF: 9400.5/37

All: -210.792+/-0.649 χ^2/NDF: 19013.6/76

- sign -209.068+/-0.922 χ^2/NDF: 9606.2/38

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug



Right In: 7.859+/-1.438 χ^2/NDF: 80.9/15

Left Out: 7.909+/-0.831 χ^2/NDF:589.8/21

Right Out: 5.839+/-1.355 χ^2/NDF: 141.9/18

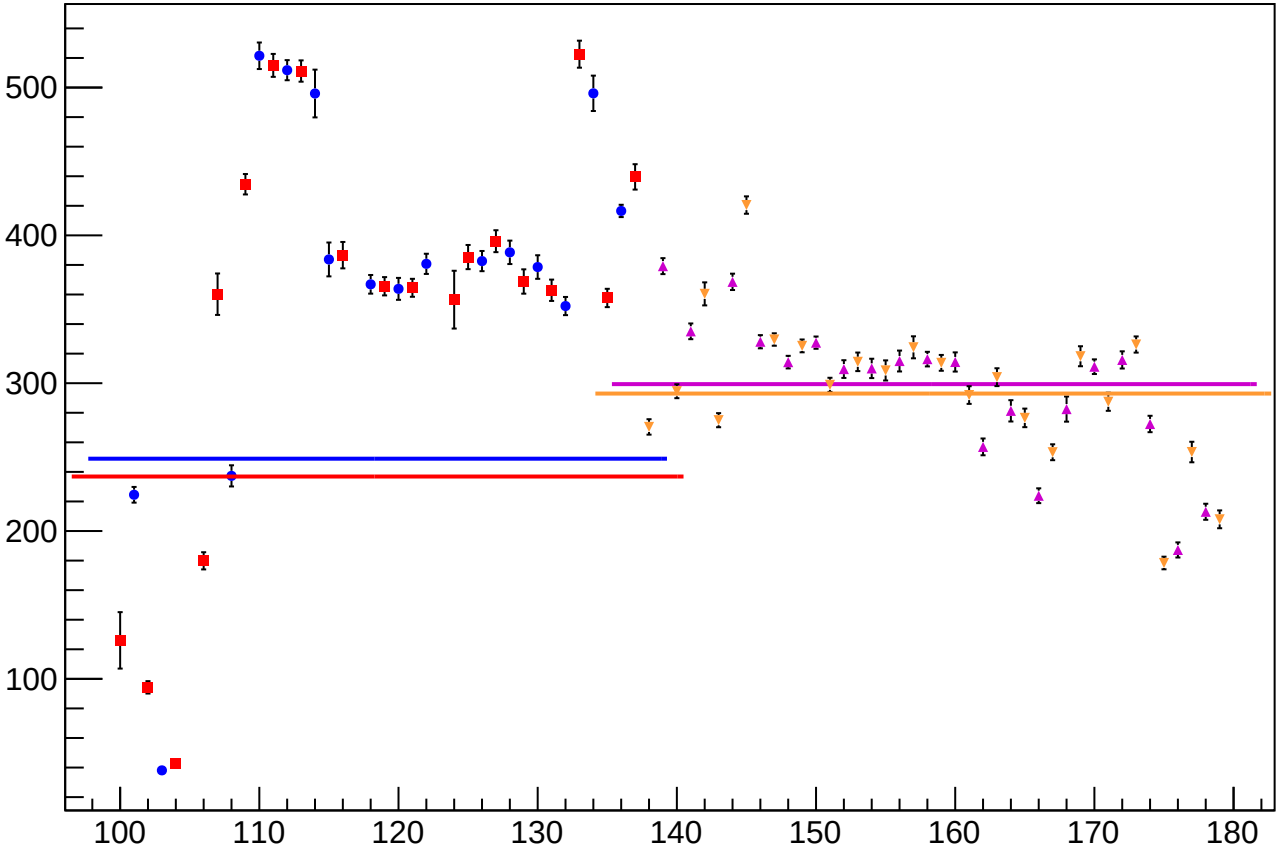
Left In: 7.259+/-0.872 χ^2/NDF:450.7/19

+ sign 7.897+/-0.720 χ^2/NDF: 670.8/37

All: 7.380+/-0.514 χ^2/NDF: 1265.1/76

- sign 6.843+/-0.734 χ^2/NDF: 593.3/38

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug



Right In: 248.932+/-1.422 χ^2/NDF: 15302.2/15

Left Out: 292.991+/-1.175 χ^2/NDF:1827.4/21

Right Out: 236.871+/-1.407 χ^2/NDF: 15657.3/18

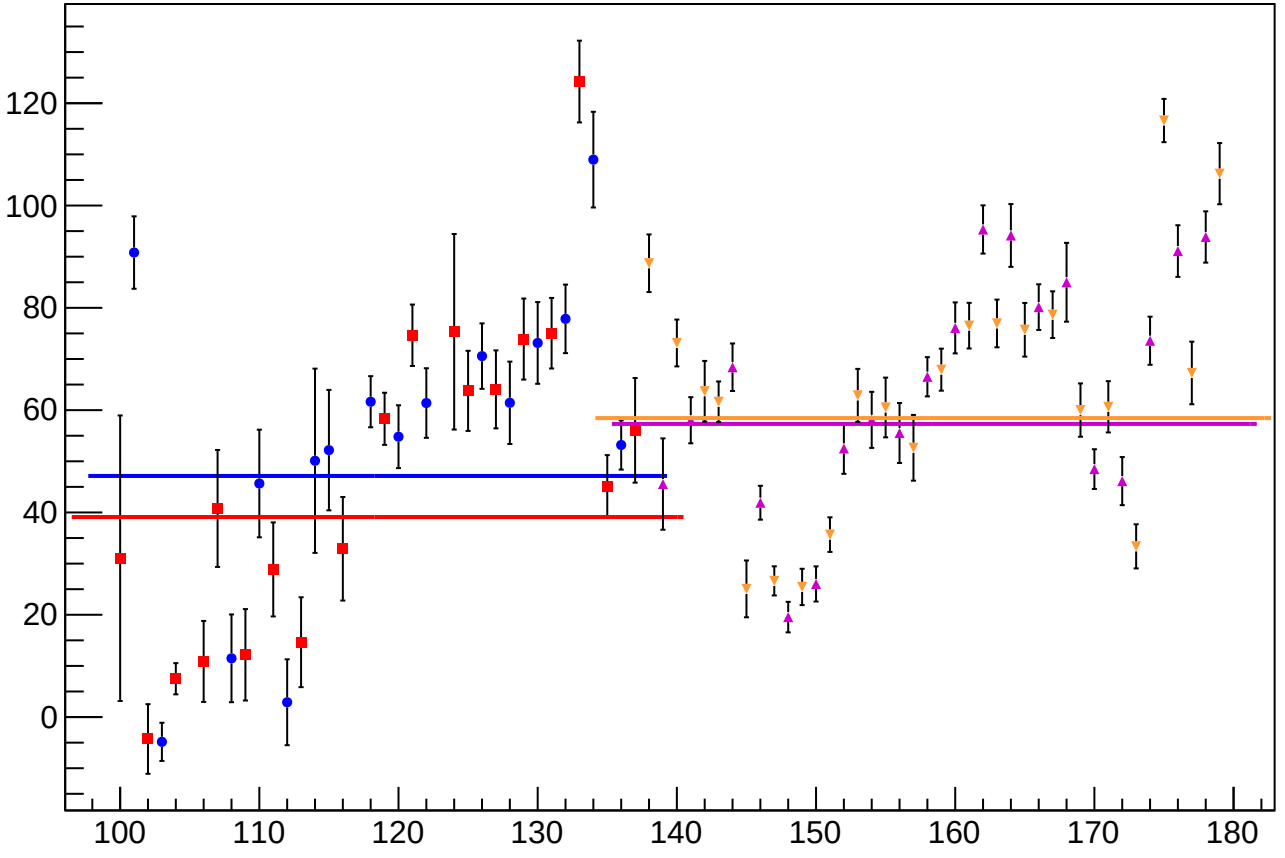
Left In: 299.373+/-1.212 χ^2/NDF:1611.8/19

\+ sign 275.115+/-0.906 χ^2/NDF: 17700.3/37

All: 273.942+/-0.645 χ^2/NDF: 36105.7/76

\- sign 272.736+/-0.918 χ^2/NDF: 18402.0/38

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug



Right In: 47.137+/-1.668 χ^2/NDF: 385.3/15

Left Out: 58.454+/-0.969 χ^2/NDF:692.1/21

Right Out: 39.105+/-1.596 χ^2/NDF: 416.5/18

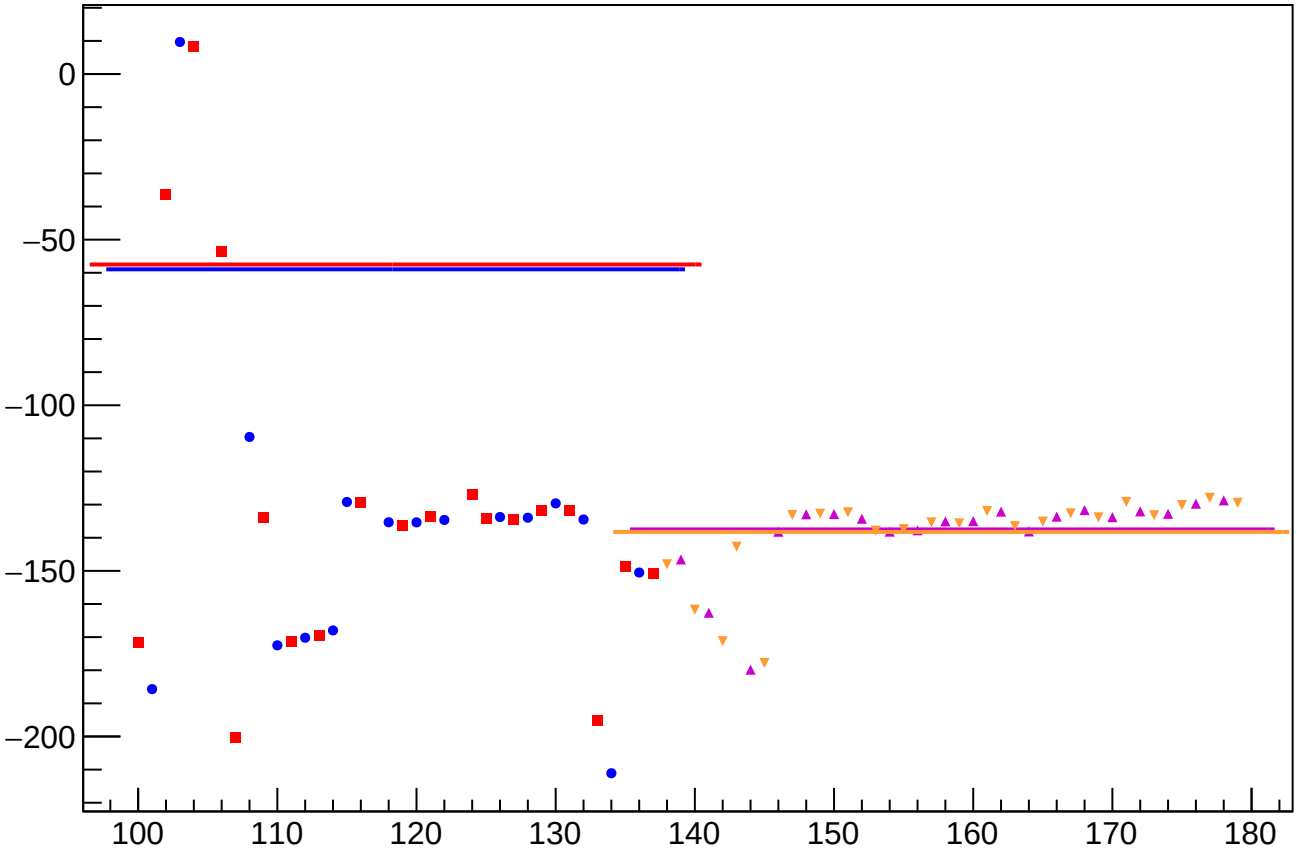
Left In: 57.305+/-1.009 χ^2/NDF:553.5/19

+ sign 55.598+/-0.838 χ^2/NDF: 1111.9/37

All: 53.883+/-0.598 χ^2/NDF: 2183.3/76

- sign 52.104+/-0.853 χ^2/NDF: 1062.9/38

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug



Right In: -58.956+/-0.073 χ^2/NDF: 1227079.0/15

Left Out: -138.244+/-0.046 χ^2/NDF:66833.7/21

Right Out: -57.497+/-0.074 χ^2/NDF: 871305.9/18

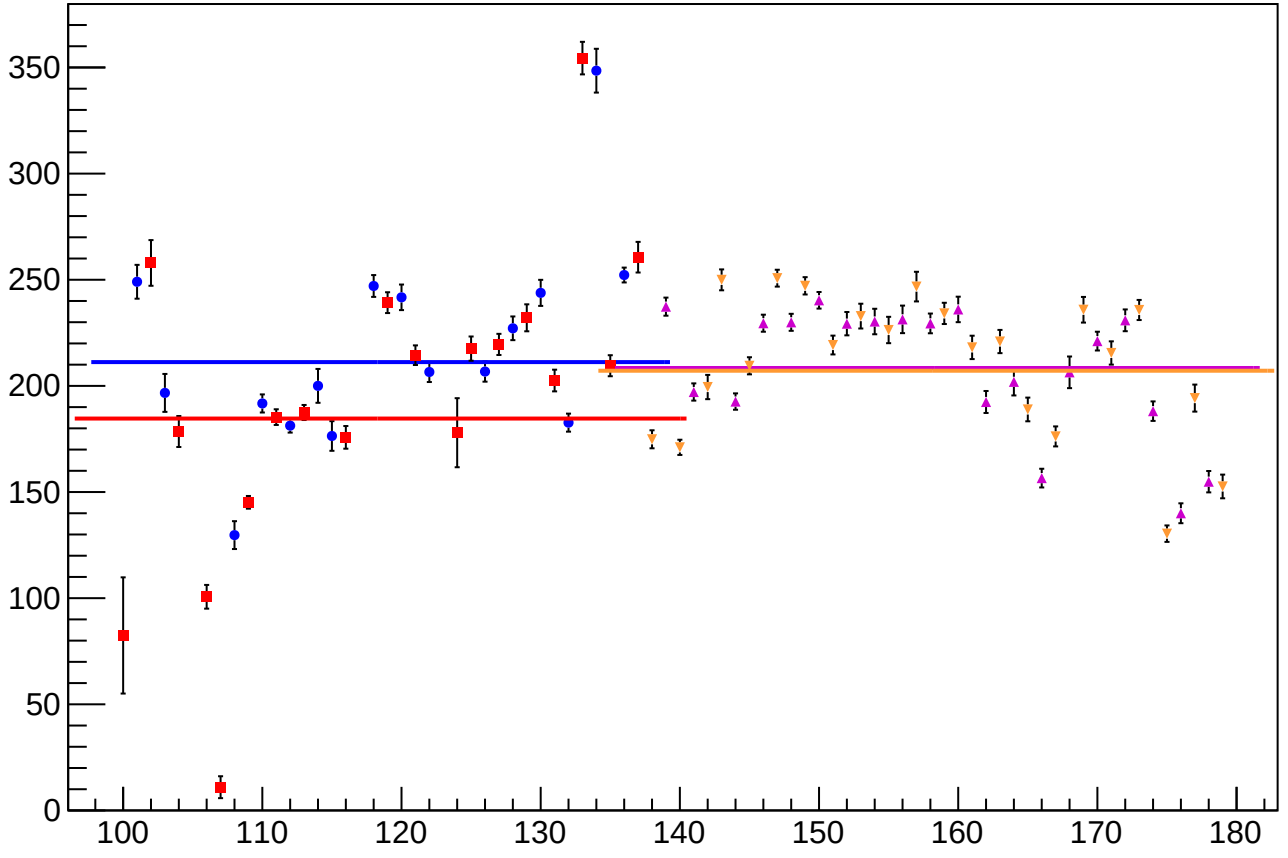
Left In: -137.490+/-0.046 χ^2/NDF:52555.7/19

+ sign -115.855+/-0.039 χ^2/NDF: 2149686.6/37

All: -115.536+/-0.027 χ^2/NDF: 3910791.4/76

- sign -115.207+/-0.039 χ^2/NDF: 1760965.8/38

reg_asym_atl1r2_dd_diff_bpm1X_slope vs Slug



Right In: 211.210+/-1.296 χ^2/NDF: 783.0/15

Left Out: 207.144+/-1.038 χ^2/NDF:1168.7/21

Right Out: 184.614+/-1.194 χ^2/NDF: 2540.4/18

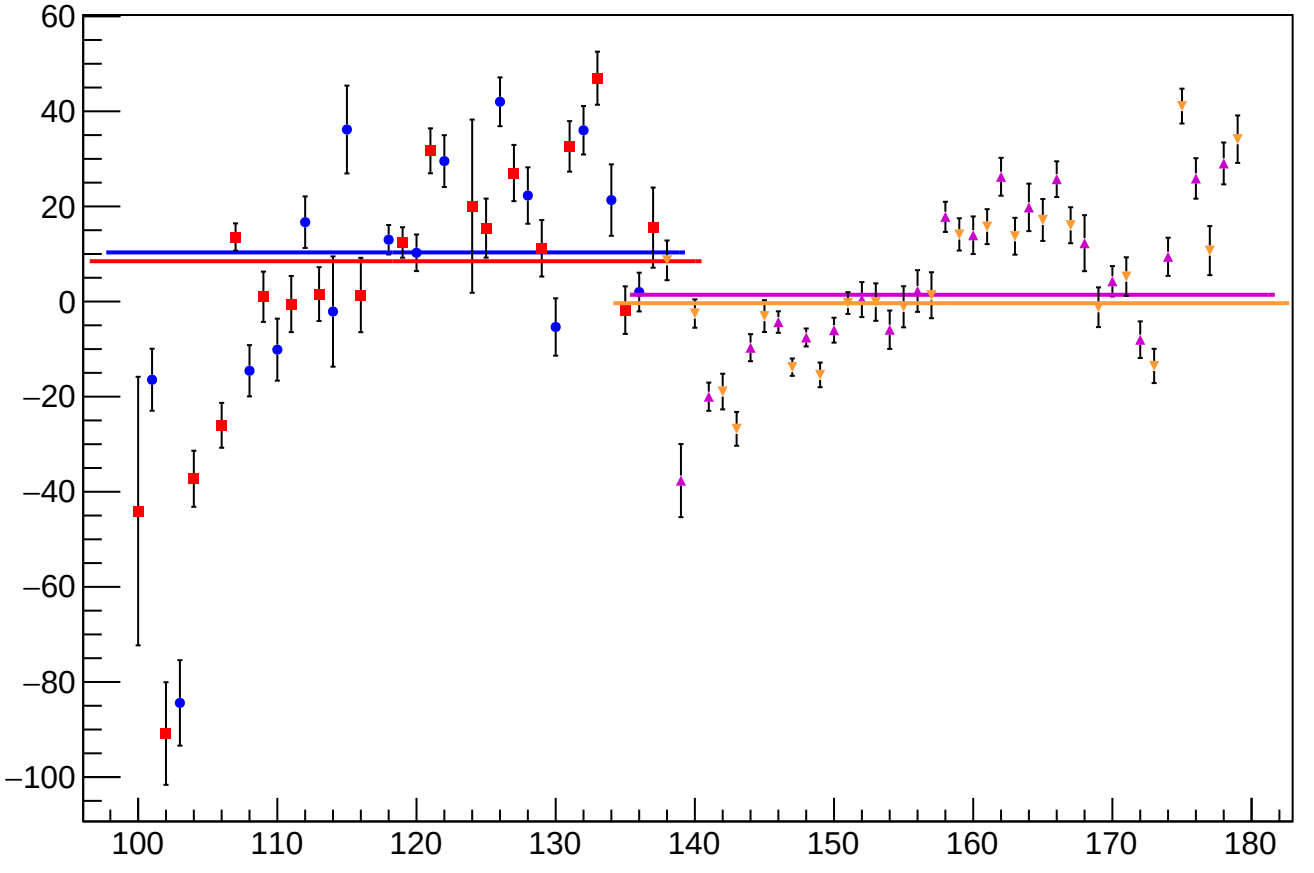
Left In: 208.432+/-1.063 χ^2/NDF:798.3/19

+ sign 208.732+/-0.810 χ^2/NDF: 1957.7/37

All: 203.207+/-0.567 χ^2/NDF: 5609.6/76

- sign 197.896+/-0.794 χ^2/NDF: 3560.6/38

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug



Right In: 10.329+/-1.333 χ^2/NDF: 263.3/15

Left Out: -0.349+/-0.725 χ^2/NDF:454.4/21

Right Out: 8.480+/-1.225 χ^2/NDF: 322.3/18

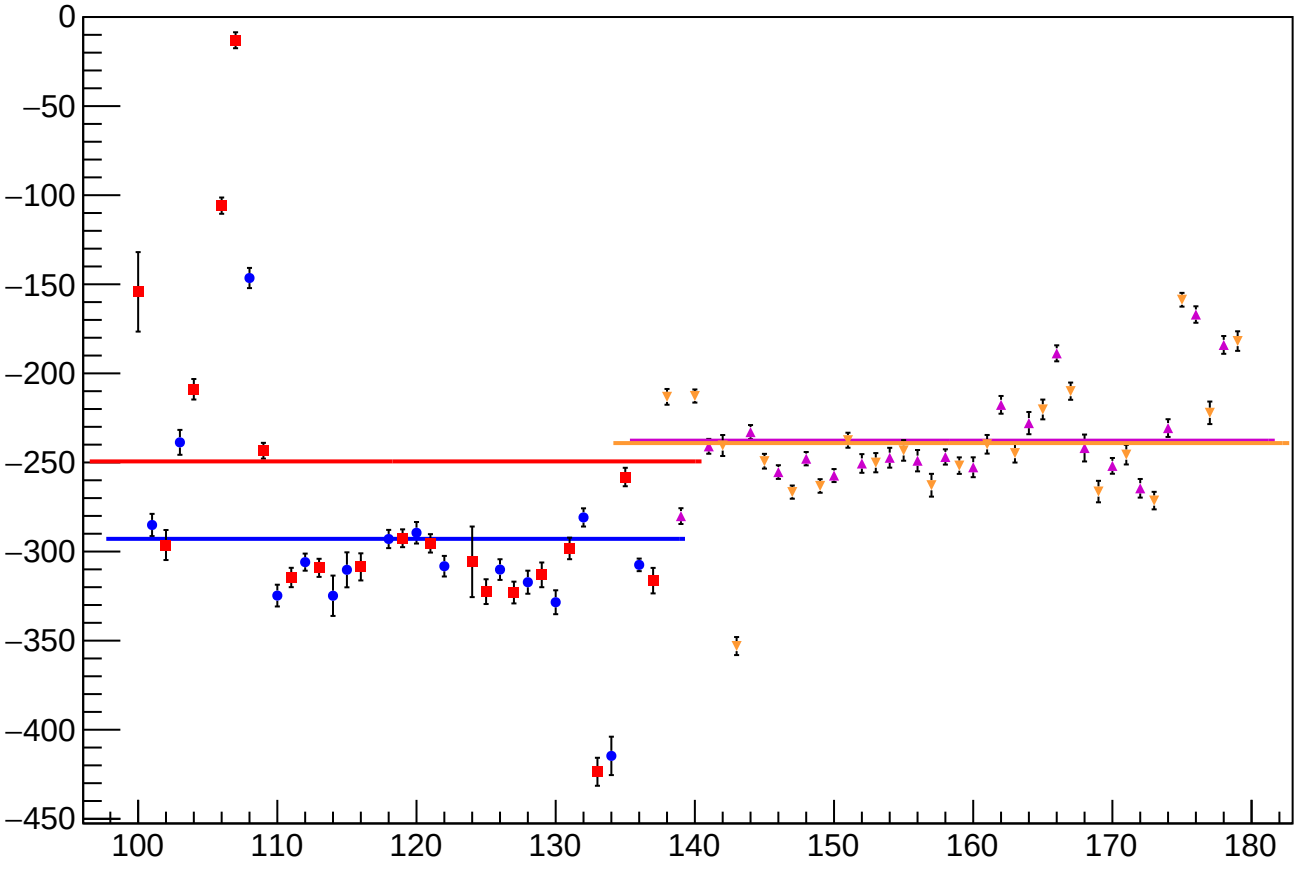
Left In: 1.422+/-0.753 χ^2/NDF:351.4/19

+ sign 2.087+/-0.637 χ^2/NDF: 767.3/37

All: 2.717+/-0.452 χ^2/NDF: 1467.1/76

- sign 3.357+/-0.641 χ^2/NDF: 697.9/38

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug



Right In: -292.872+/-1.467 χ^2/NDF: 983.5/15

Left Out: -239.125+/-1.021 χ^2/NDF:1382.6/21

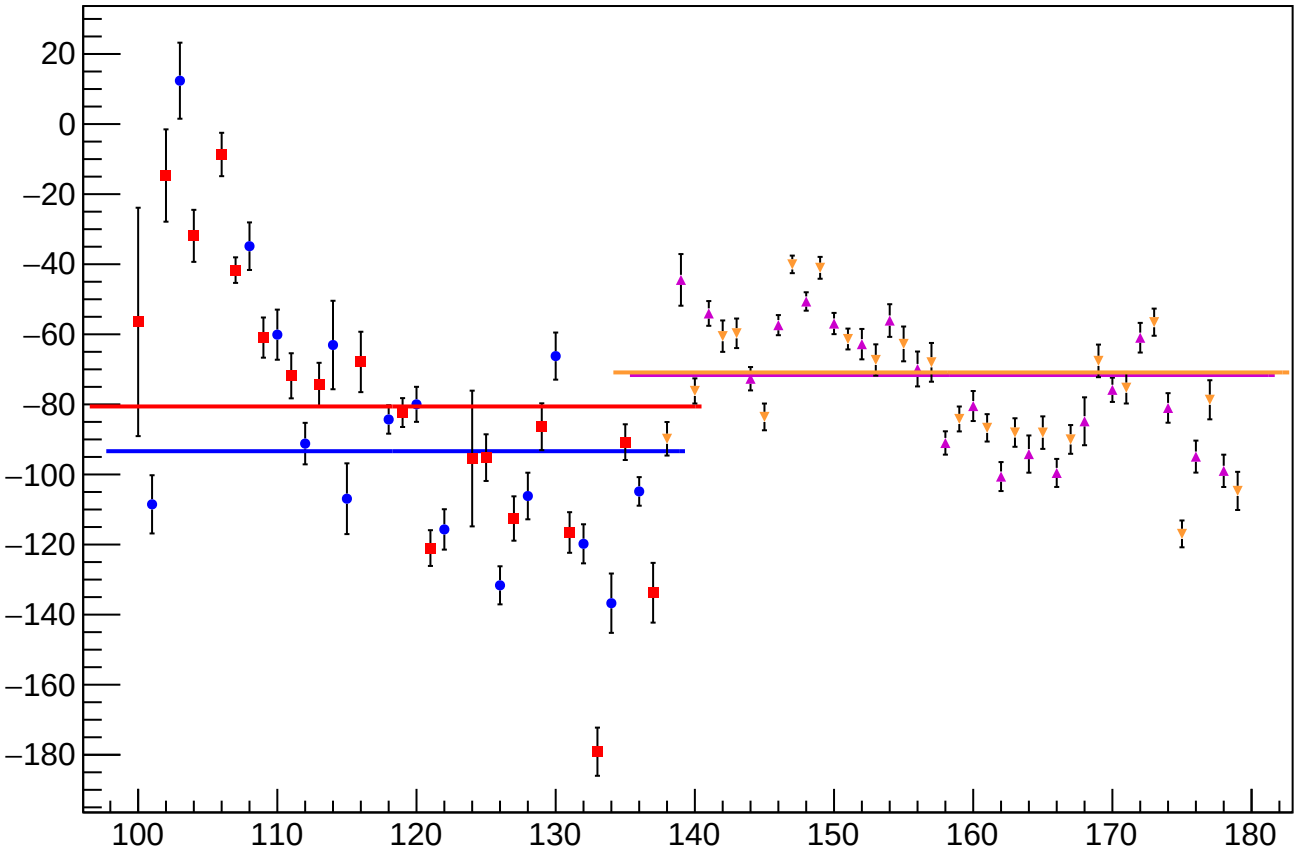
Right Out: -249.407+/-1.369 χ^2/NDF: 5368.5/18

Left In: -237.765+/-1.044 χ^2/NDF:701.3/19

+ sign -256.659+/-0.838 χ^2/NDF: 3269.8/37

All: -249.283+/-0.590 χ^2/NDF: 9538.8/76

- sign -242.048+/-0.830 χ^2/NDF: 6115.5/38



Right In: -93.357+/-1.534 χ^2/NDF: 355.3/15

Left Out: -70.882+/-0.845 χ^2/NDF:582.2/21

Right Out: -80.592+/-1.424 χ^2/NDF: 715.3/18

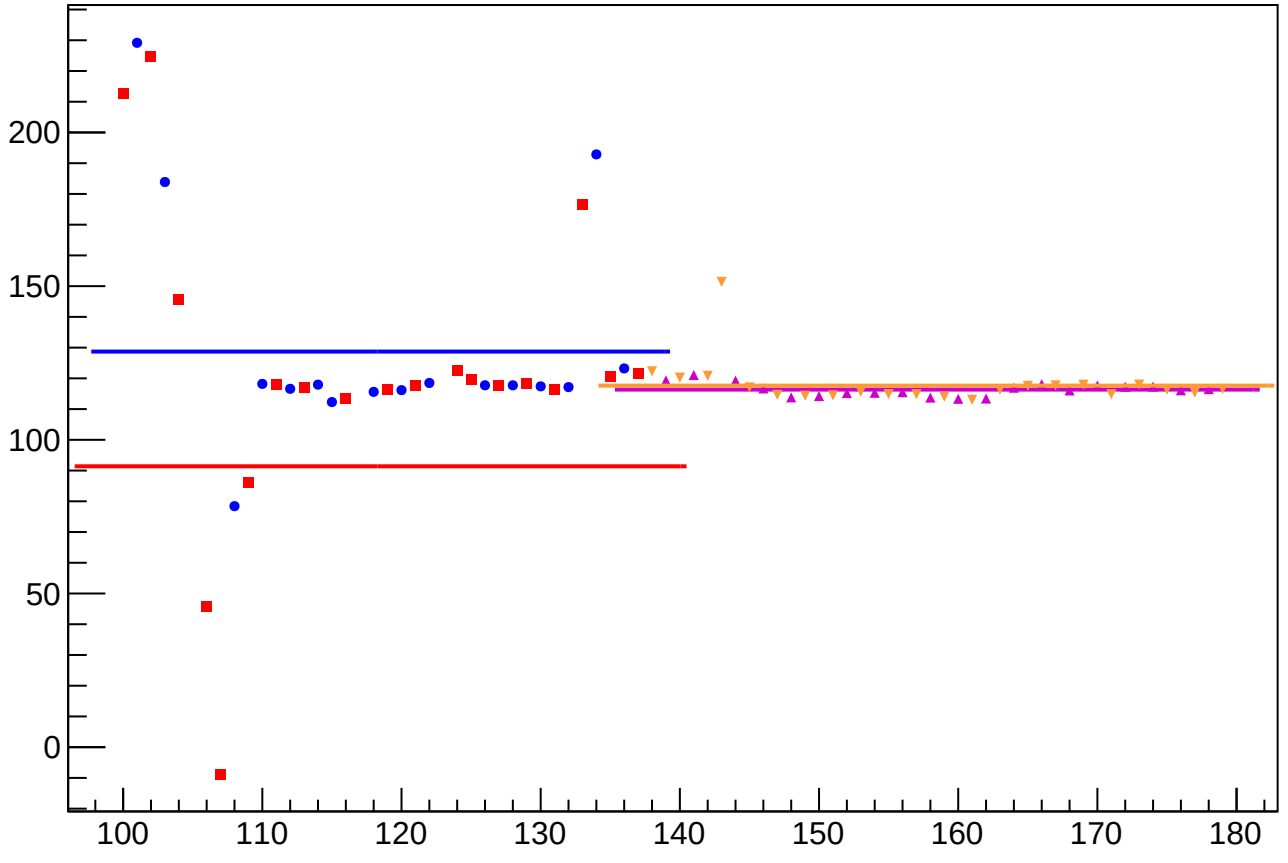
Left In: -71.617+/-0.872 χ^2/NDF:397.4/19

+ sign -76.109+/-0.740 χ^2/NDF: 1102.2/37

All: -75.091+/-0.524 χ^2/NDF: 2247.7/76

- sign -74.064+/-0.743 χ^2/NDF: 1141.7/38

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug



Right In: 128.715+/-0.089 χ^2/NDF: 183522.8/15

Left Out: 117.645+/-0.040 χ^2/NDF:29866.6/21

Right Out: 91.385+/-0.079 χ^2/NDF: 604912.4/18

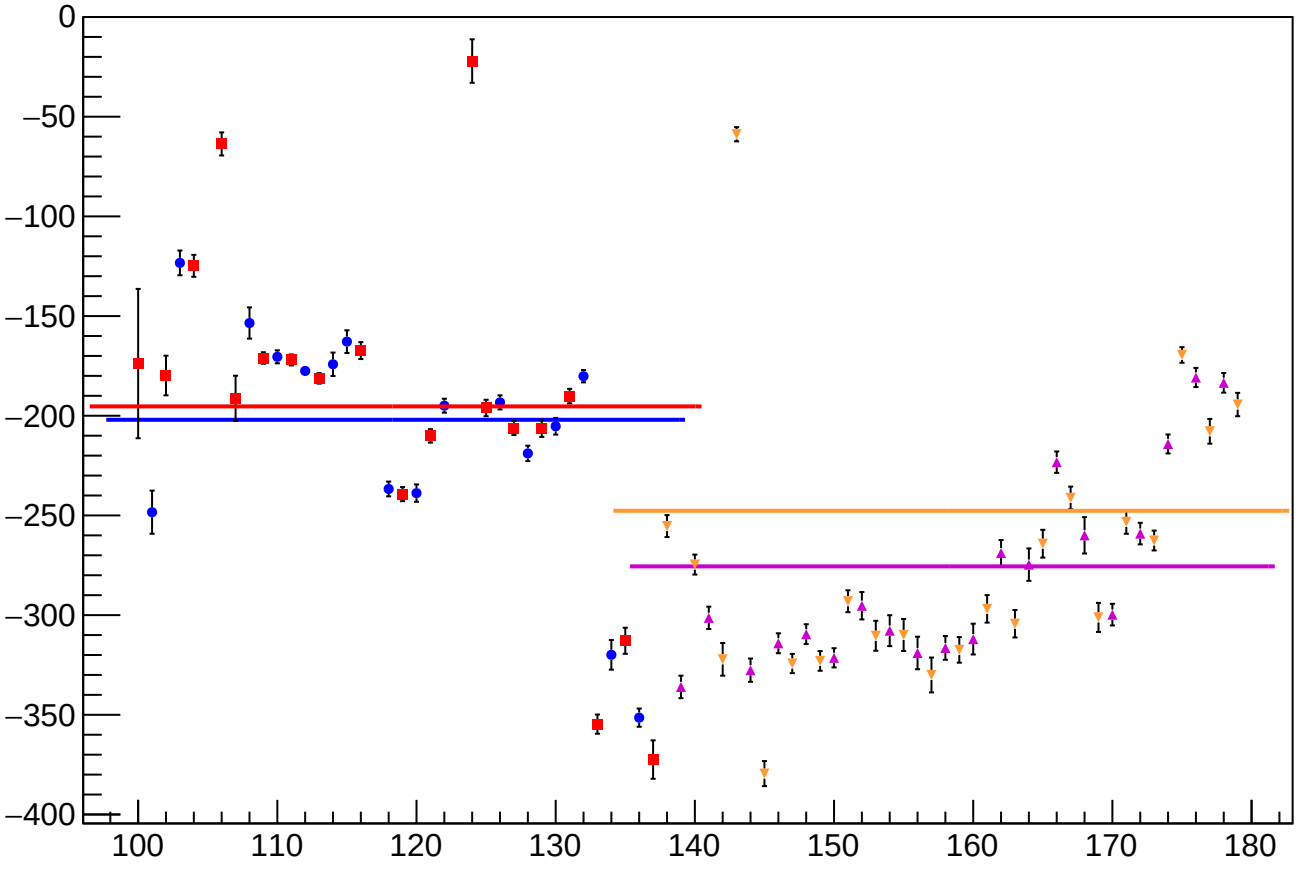
Left In: 116.341+/-0.040 χ^2/NDF:2990.5/19

+ sign 119.470+/-0.036 χ^2/NDF: 226270.4/37

All: 115.308+/-0.025 χ^2/NDF: 939632.8/76

- sign 111.287+/-0.036 χ^2/NDF: 687362.9/38

reg_asym_atr1l2_avg_diff_bpm1X_slope vs Slug



Right In: -202.020+/-1.024 χ^2/NDF: 2040.4/15

Left Out: -247.668+/-1.212 χ^2/NDF:4974.2/21

Right Out: -195.311+/-0.974 χ^2/NDF: 3100.7/18

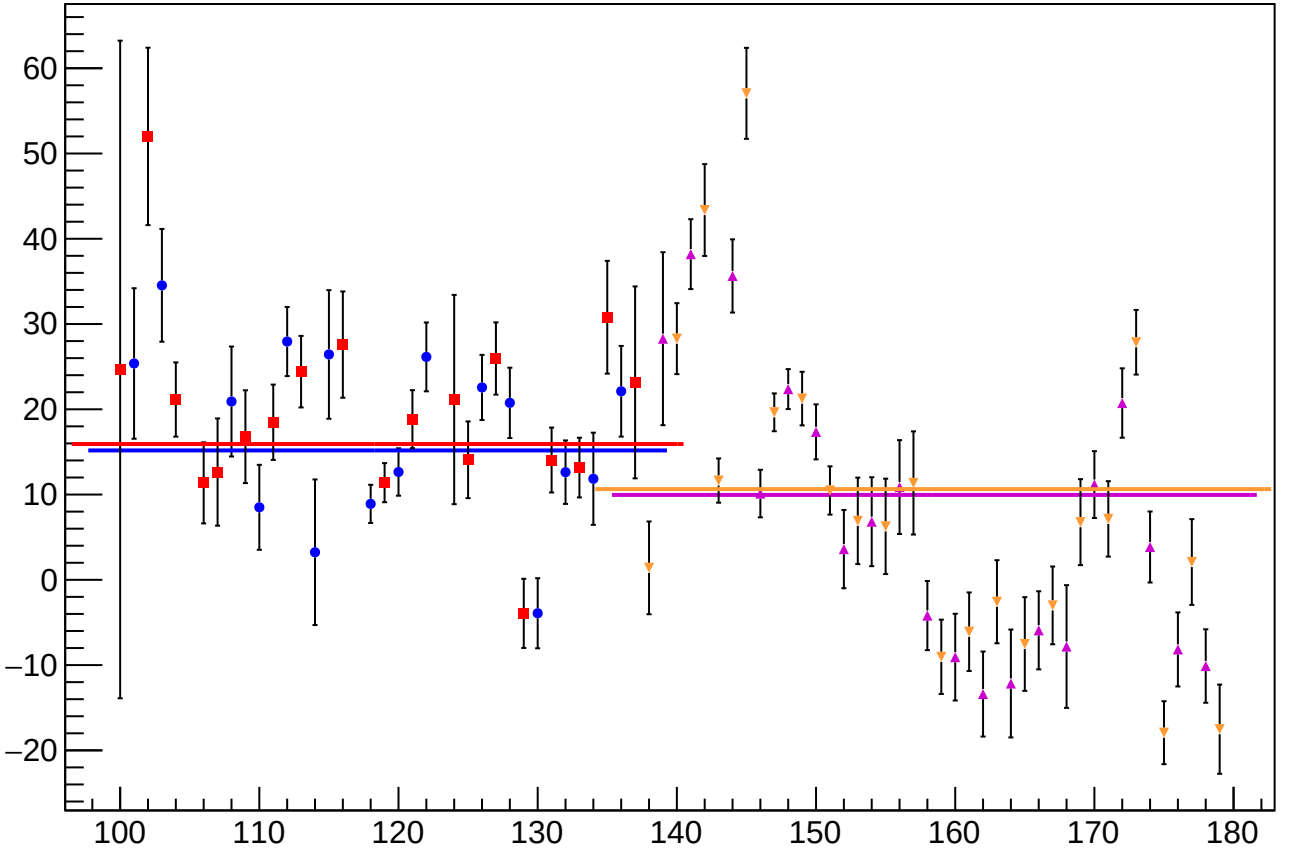
Left In: -275.555+/-1.295 χ^2/NDF:1568.9/19

+ sign -221.040+/-0.782 χ^2/NDF: 7842.5/37

All: -222.687+/-0.552 χ^2/NDF: 14974.0/76

- sign -224.318+/-0.778 χ^2/NDF: 7122.8/38

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs Slug



Right In: 15.175+/-1.048 χ^2/NDF: 72.3/15

Left Out: 10.638+/-0.854 χ^2/NDF:337.0/21

Right Out: 15.925+/-1.037 χ^2/NDF: 63.5/18

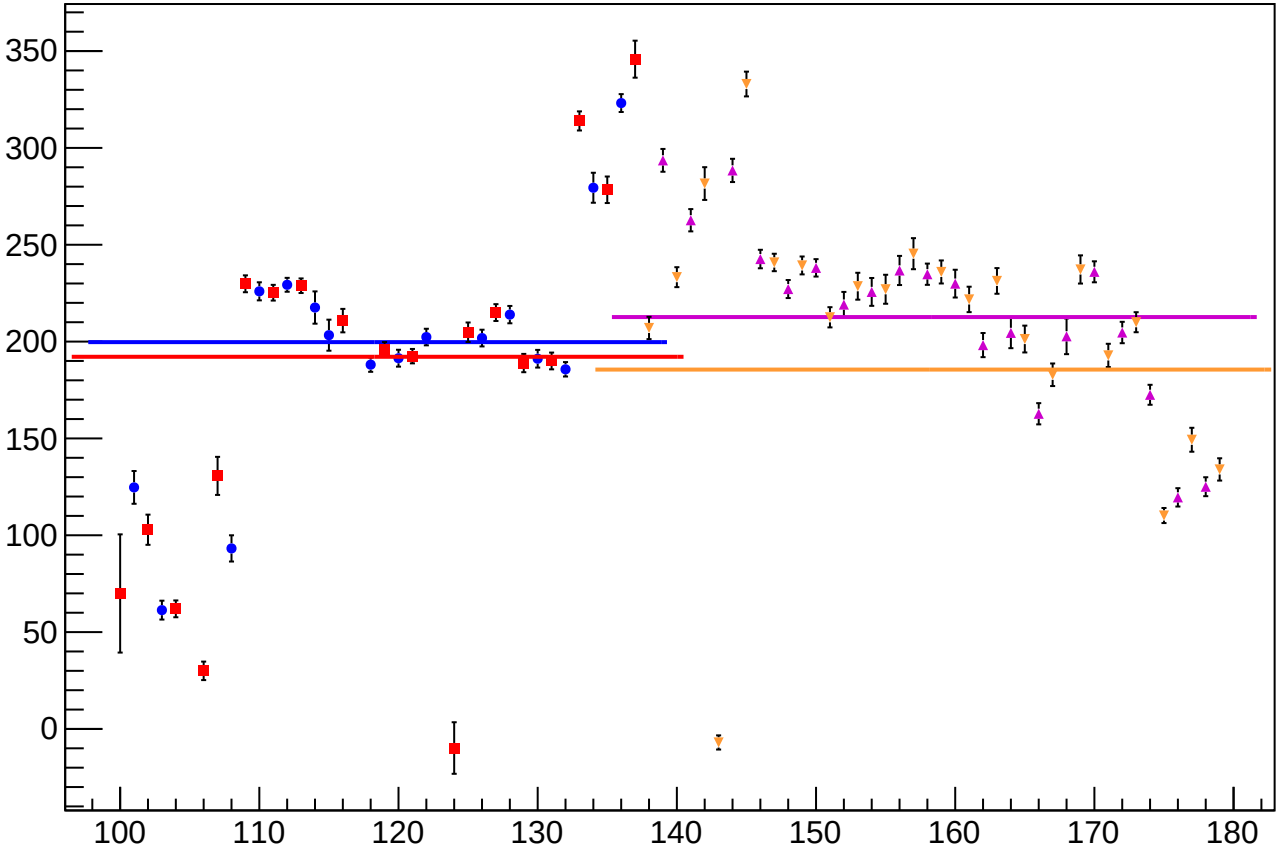
Left In: 9.959+/-0.925 χ^2/NDF:248.9/19

+ sign 12.450+/-0.662 χ^2/NDF: 420.6/37

All: 12.523+/-0.478 χ^2/NDF: 751.5/76

- sign 12.603+/-0.690 χ^2/NDF: 330.9/38

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug



Right In: 199.722+/-1.196 χ^2/NDF: 2101.6/15

Left Out: 185.551+/-1.196 χ^2/NDF:4684.4/21

Right Out: 192.156+/-1.150 χ^2/NDF: 3777.1/18

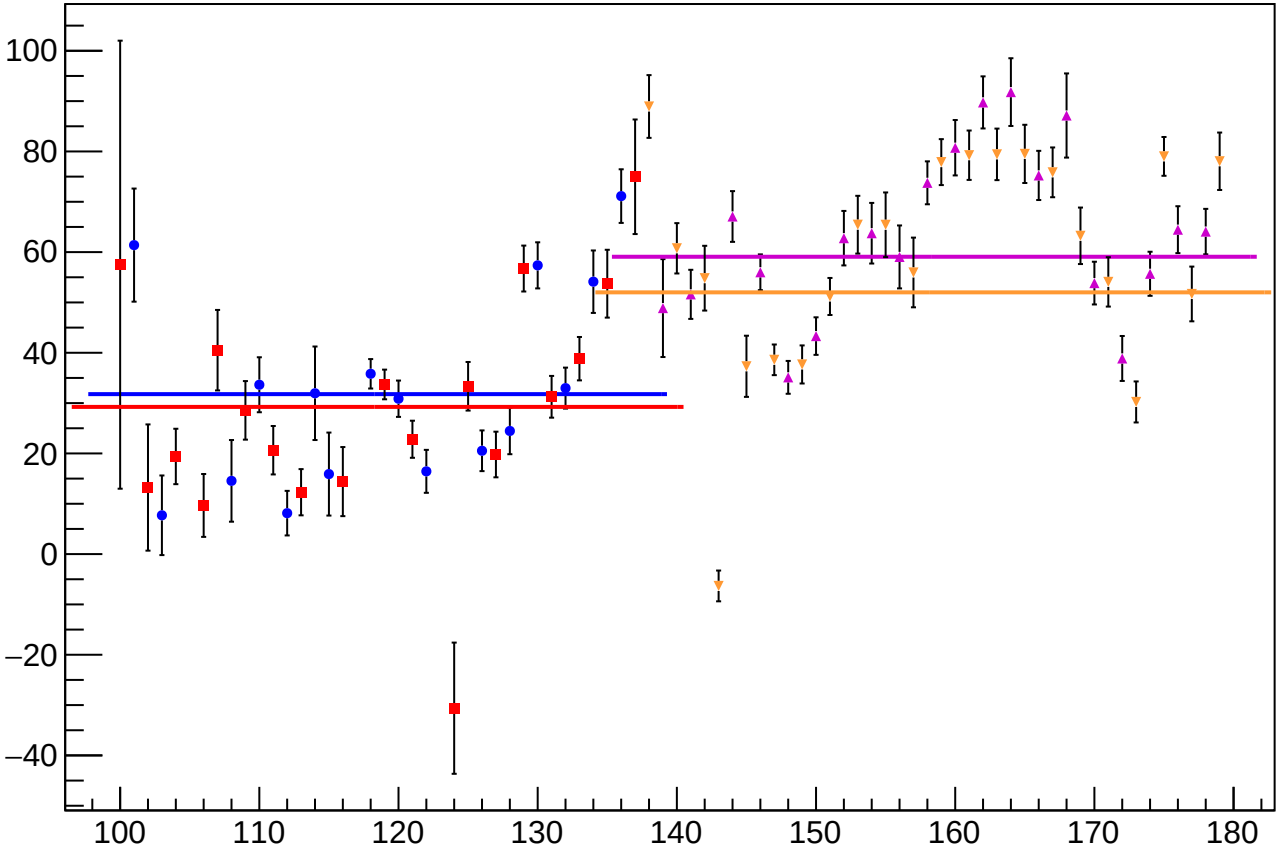
Left In: 212.667+/-1.273 χ^2/NDF:1420.2/19

+ sign 192.637+/-0.846 χ^2/NDF: 6856.2/37

All: 196.965+/-0.601 χ^2/NDF: 12249.4/76

- sign 201.376+/-0.854 χ^2/NDF: 5340.2/38

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug



Right In: 31.782+/-1.217 χ^2/NDF: 177.0/15

Left Out: 52.003+/-0.993 χ^2/NDF:692.1/21

Right Out: 29.245+/-1.197 χ^2/NDF: 140.9/18

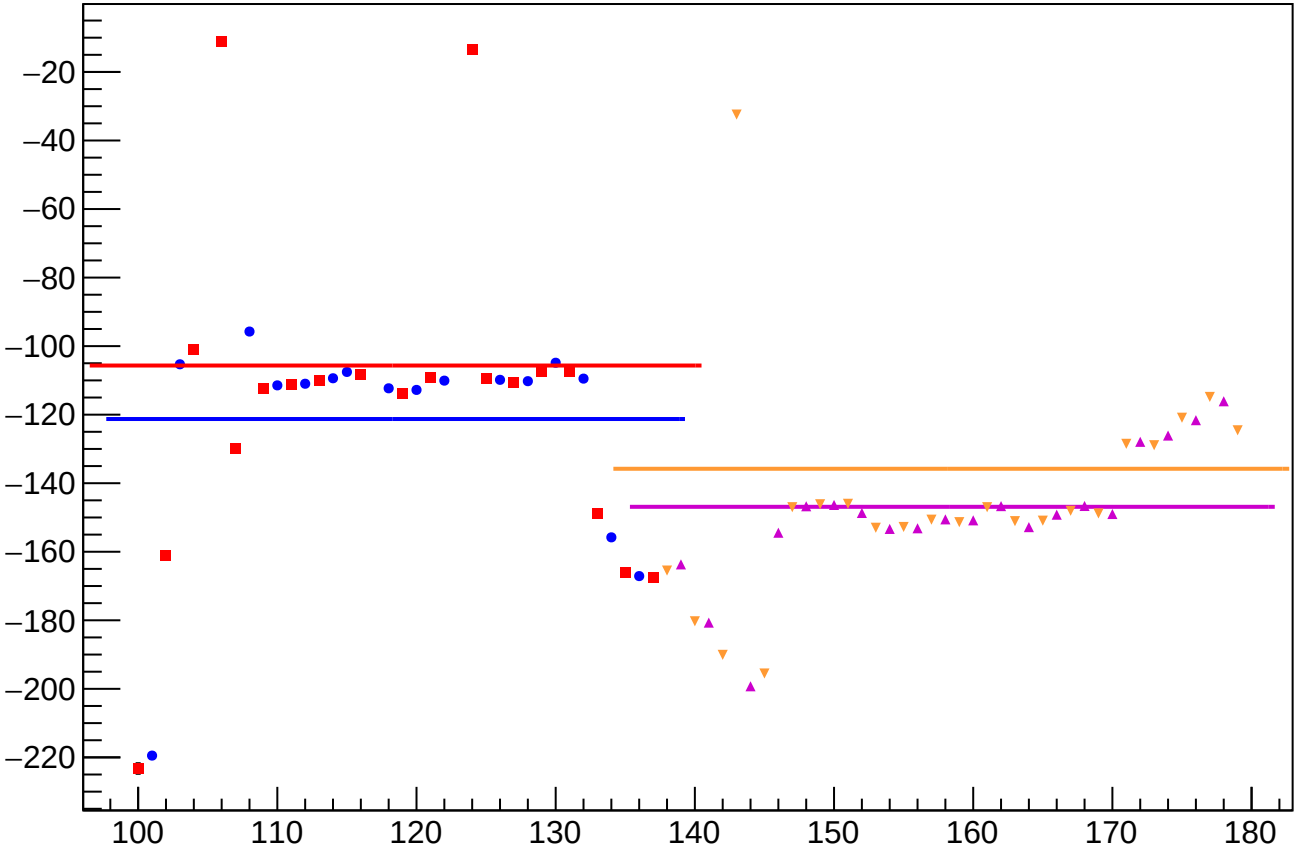
Left In: 59.078+/-1.066 χ^2/NDF:213.0/19

\+ sign 43.921+/-0.769 χ^2/NDF: 1035.0/37

All: 44.869+/-0.553 χ^2/NDF: 1738.7/76

\- sign 45.884+/-0.796 χ^2/NDF: 700.6/38

reg_asym_atr1l2_avg_diff_bpm12X_slope vs Slug



Right In: -121.268+/-0.079 χ^2/NDF: 119398.5/15

Left Out: -135.786+/-0.047 χ^2/NDF:659684.9/21

Right Out: -105.660+/-0.075 χ^2/NDF: 355093.7/18

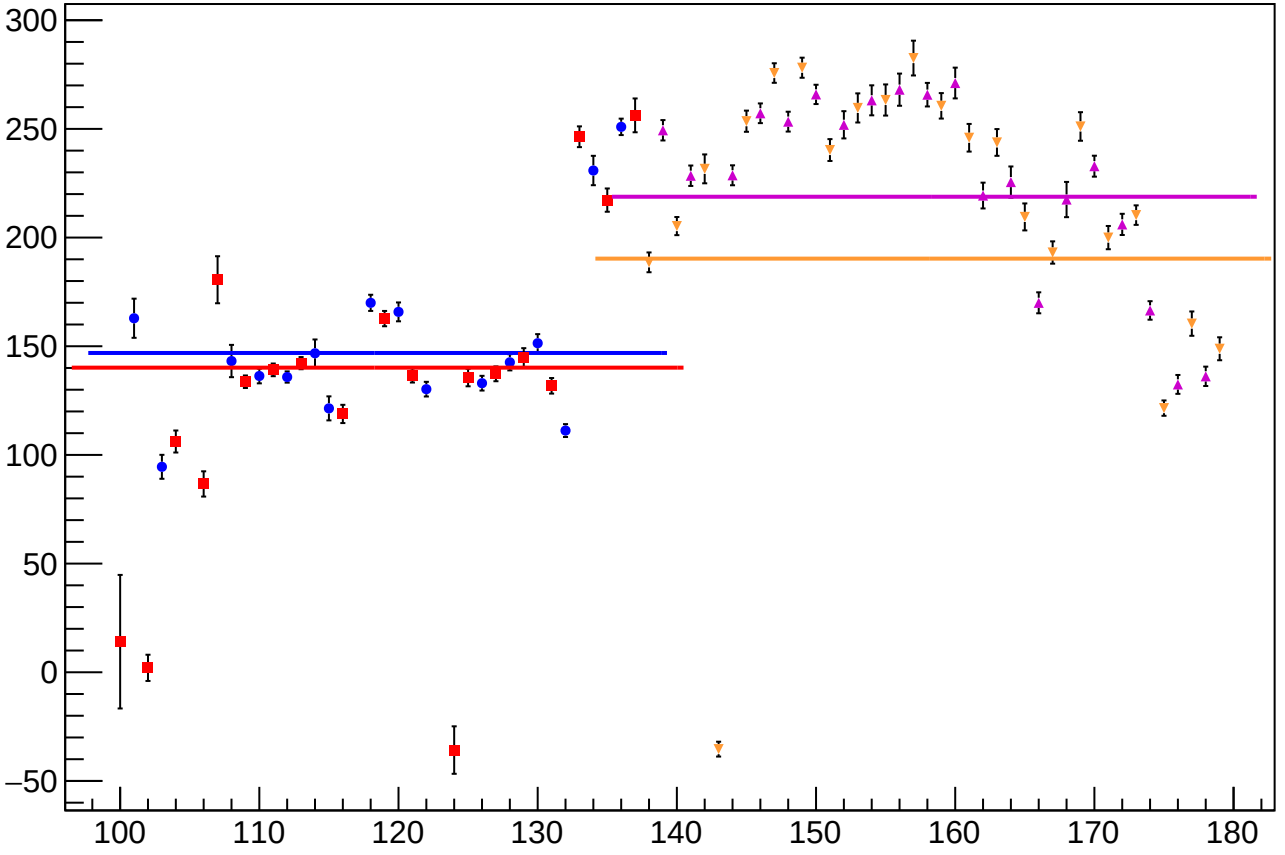
Left In: -146.886+/-0.049 χ^2/NDF:127959.8/19

+ sign -132.050+/-0.040 χ^2/NDF: 804024.4/37

All: -133.327+/-0.029 χ^2/NDF: 1503189.1/76

- sign -134.637+/-0.041 χ^2/NDF: 697119.5/38

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug



Right In: 146.905+/-1.003 χ^2/NDF: 1302.0/15

Left Out: 190.315+/-1.085 χ^2/NDF:6625.8/21

Right Out: 140.153+/-0.960 χ^2/NDF: 1950.6/18

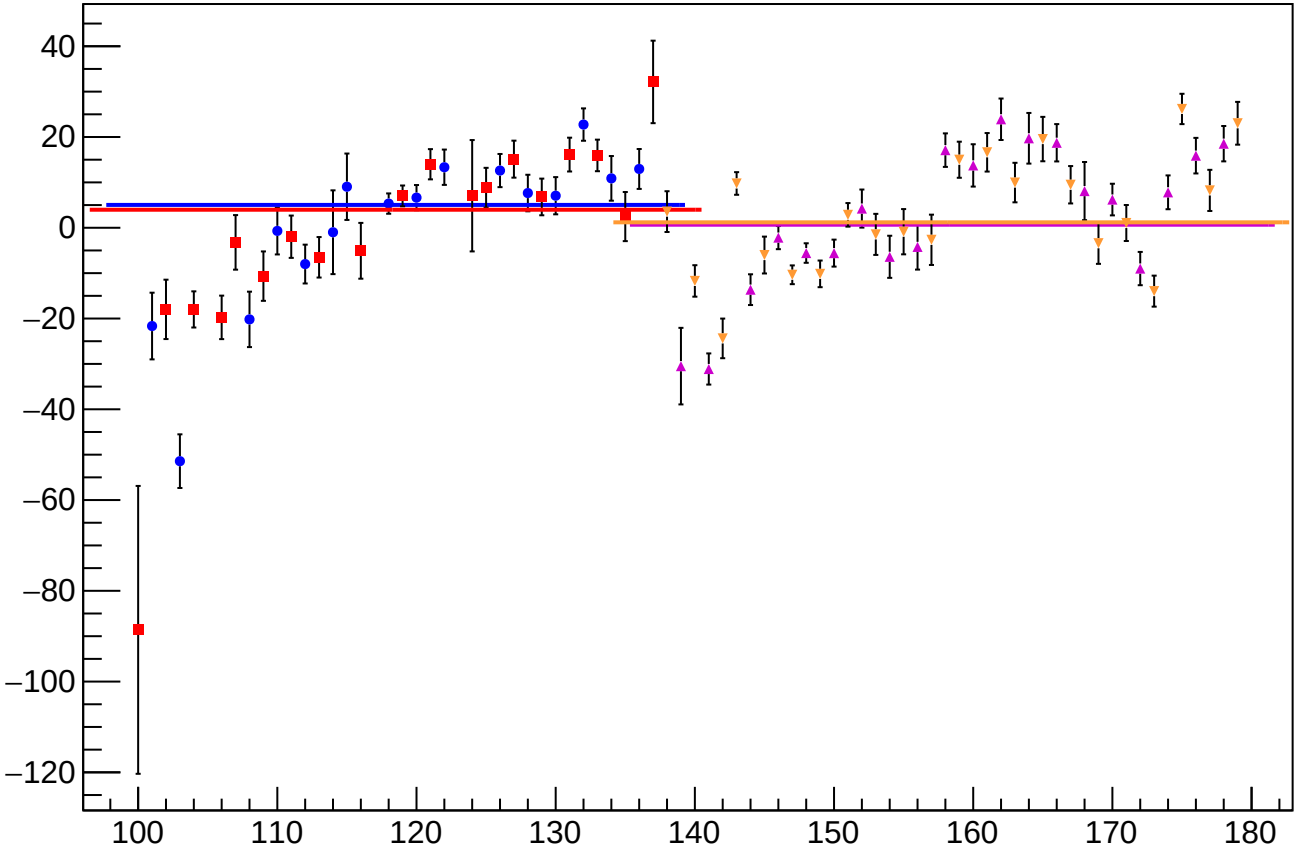
Left In: 218.785+/-1.152 χ^2/NDF:1544.9/19

+ sign 166.910+/-0.737 χ^2/NDF: 8790.5/37

All: 169.649+/-0.521 χ^2/NDF: 15064.1/76

- sign 172.393+/-0.737 χ^2/NDF: 6245.9/38

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug



Right In: 5.037+/-1.021 χ^2/NDF: 171.9/15

Left Out: 1.198+/-0.772 χ^2/NDF:258.9/21

Right Out: 3.974+/-1.012 χ^2/NDF: 144.9/18

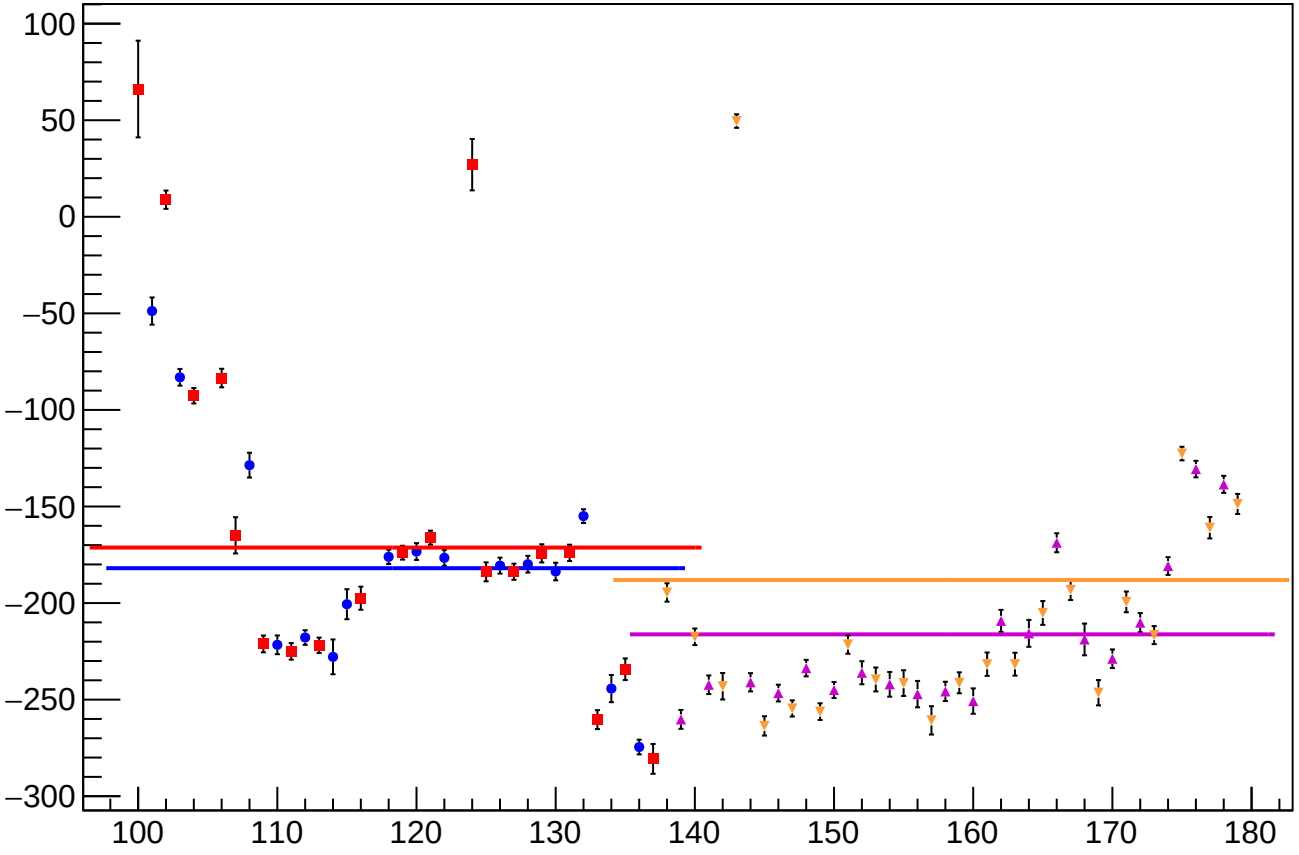
Left In: 0.672+/-0.829 χ^2/NDF:270.3/19

+ sign 2.594+/-0.616 χ^2/NDF: 439.8/37

All: 2.308+/-0.444 χ^2/NDF: 861.7/76

- sign 1.998+/-0.641 χ^2/NDF: 421.5/38

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug



Right In: -181.947+/-1.154 χ^2/NDF: 1870.4/15

Left Out: -188.038+/-1.073 χ^2/NDF:6448.1/21

Right Out: -171.262+/-1.111 χ^2/NDF: 3628.2/18

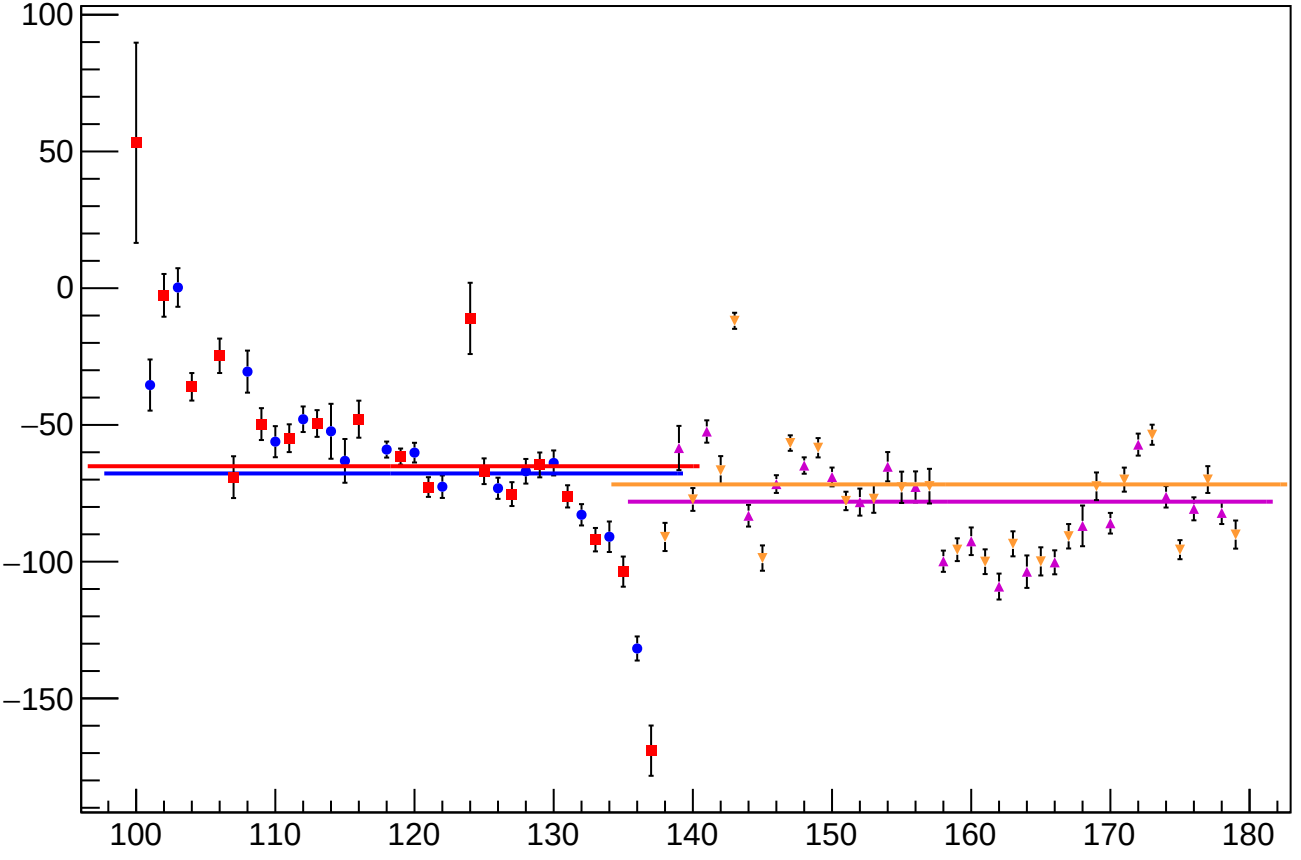
Left In: -216.209+/-1.135 χ^2/NDF:1231.9/19

+ sign -185.213+/-0.786 χ^2/NDF: 8333.4/37

All: -189.194+/-0.559 χ^2/NDF: 14046.2/76

- sign -193.257+/-0.794 χ^2/NDF: 5660.9/38

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug



Right In: -67.745+/-1.181 χ^2/NDF: 414.0/15

Left Out: -71.746+/-0.895 χ^2/NDF:738.5/21

Right Out: -65.105+/-1.167 χ^2/NDF: 429.0/18

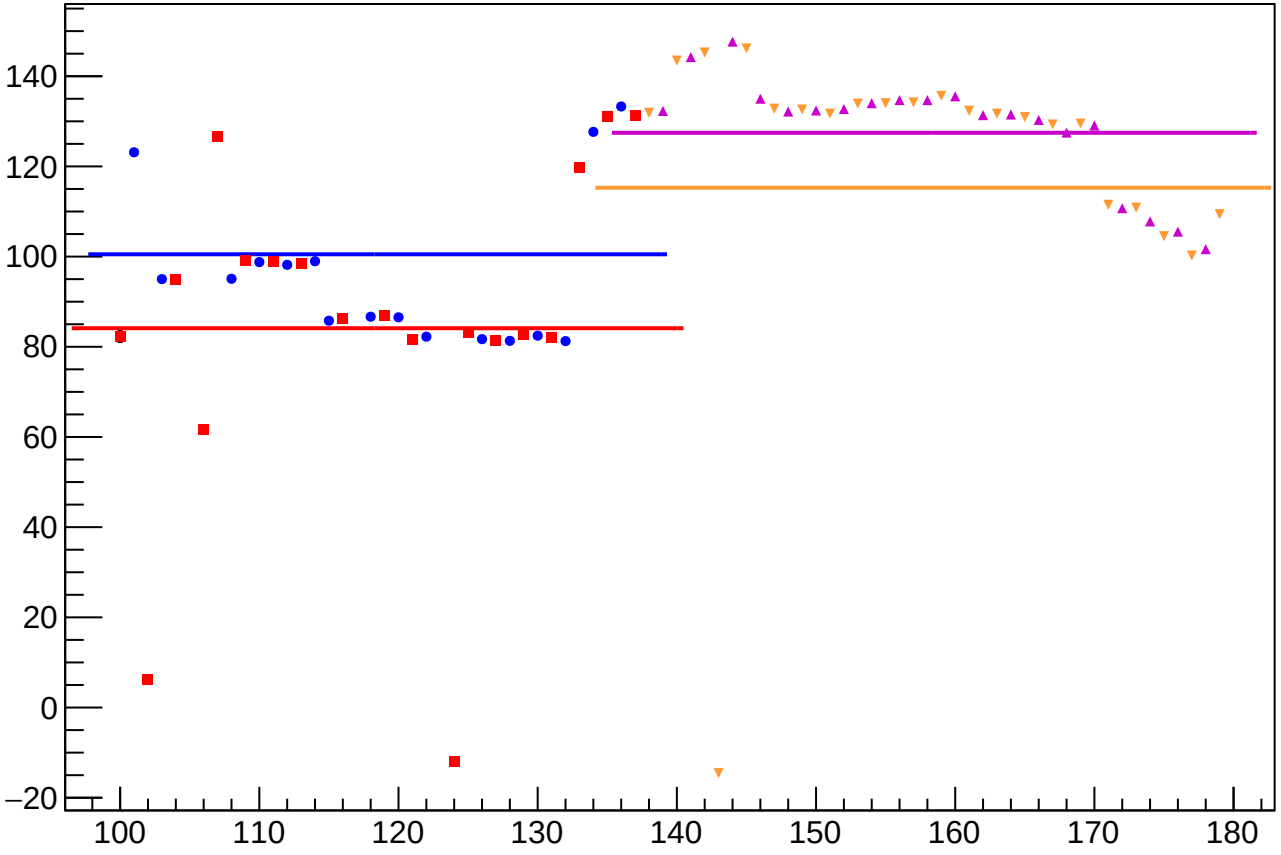
Left In: -78.070+/-0.954 χ^2/NDF:244.8/19

+ sign -70.287+/-0.713 χ^2/NDF: 1159.9/37

All: -71.535+/-0.513 χ^2/NDF: 1914.1/76

- sign -72.873+/-0.739 χ^2/NDF: 747.9/38

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug



Right In: 100.517+/-0.074 χ^2/NDF: 67464.8/15

Left Out: 115.275+/-0.042 χ^2/NDF:951745.2/21

Right Out: 84.116+/-0.069 χ^2/NDF: 263788.9/18

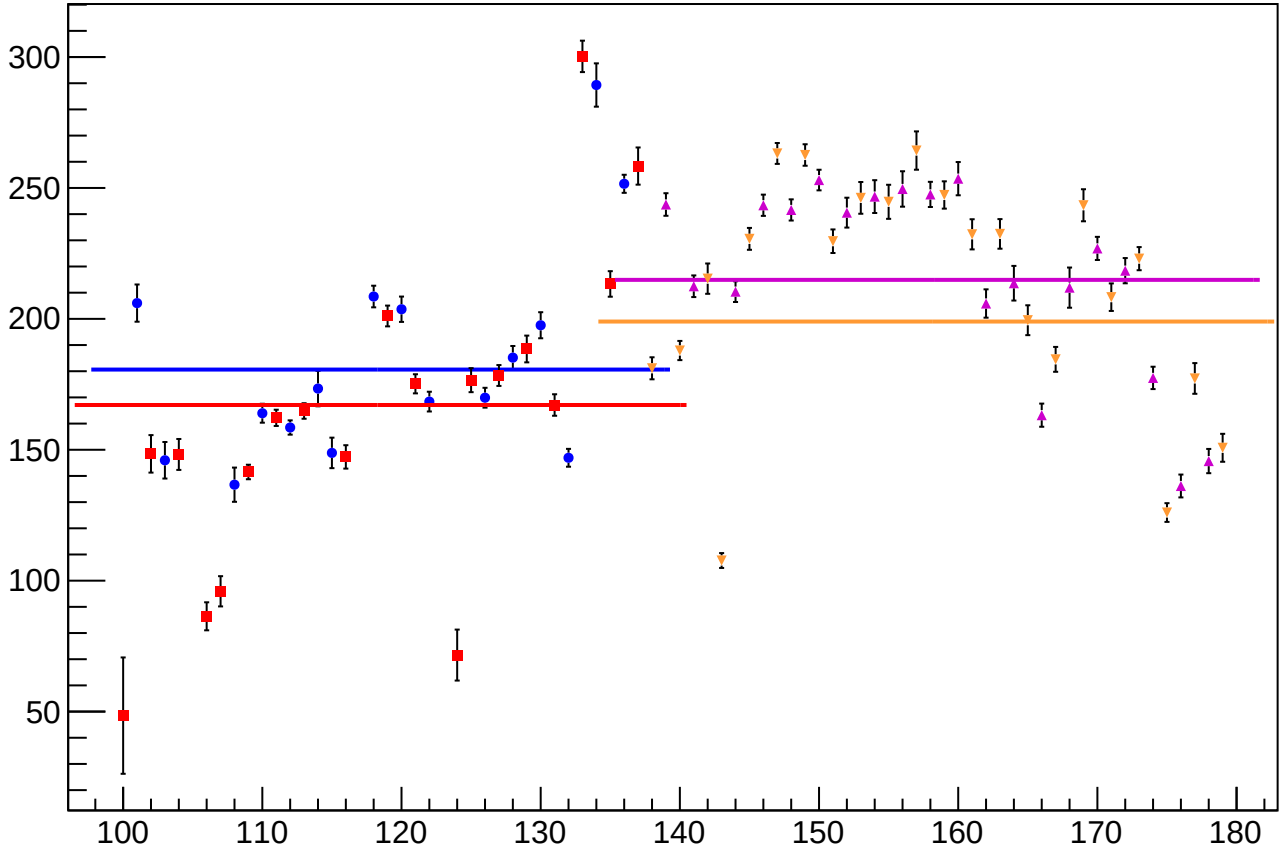
Left In: 127.459+/-0.043 χ^2/NDF:83036.9/19

\+ sign 111.696+/-0.036 χ^2/NDF: 1049367.8/37

All: 113.457+/-0.026 χ^2/NDF: 1682638.0/76

\- sign 115.248+/-0.037 χ^2/NDF: 628555.1/38

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug



Right In: 180.634+/-1.090 χ^2/NDF: 993.4/15

Left Out: 198.976+/-0.994 χ^2/NDF:2619.9/21

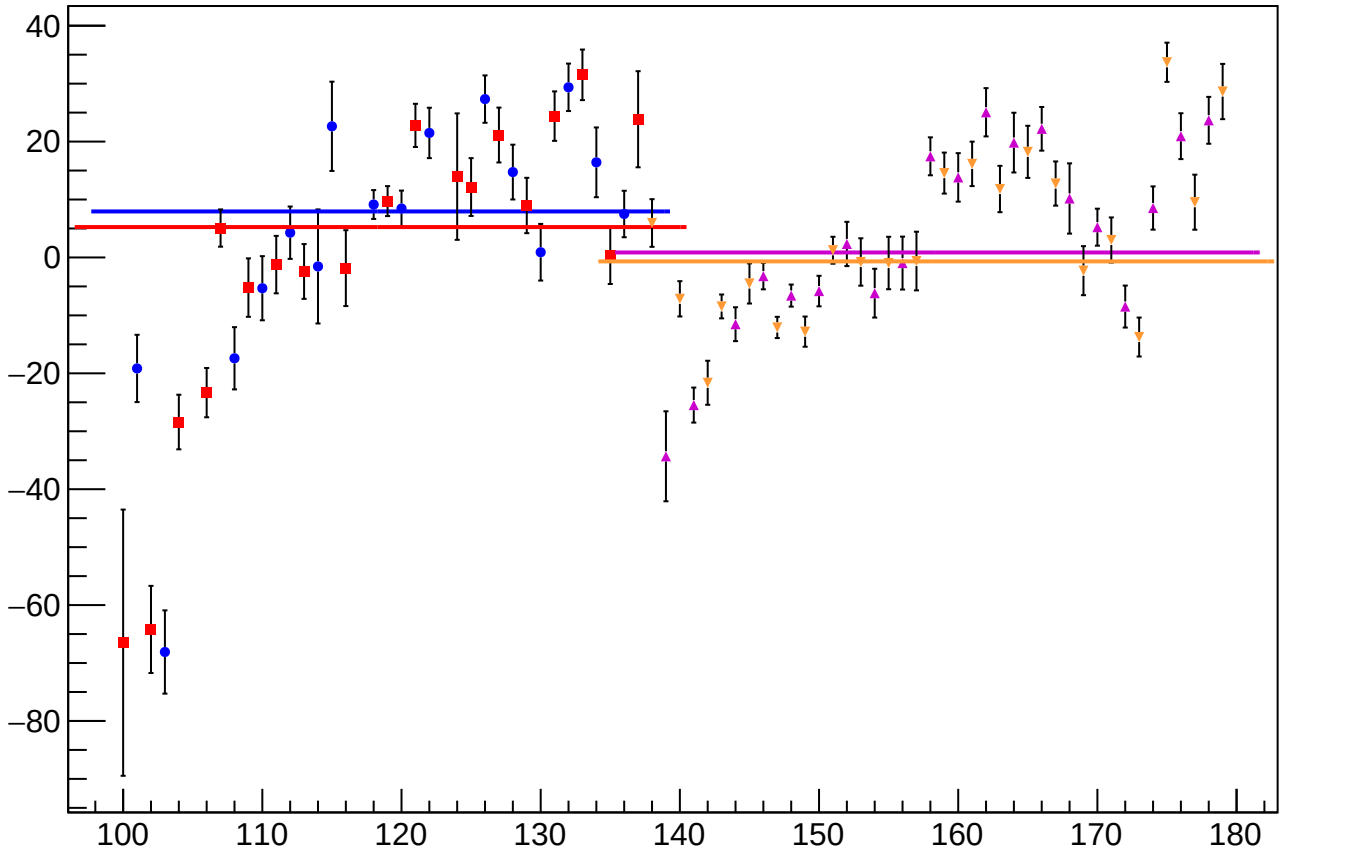
Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 214.897+/-1.065 χ^2/NDF:1161.3/19

+ sign 190.647+/-0.734 χ^2/NDF: 3768.0/37

All: 190.320+/-0.520 χ^2/NDF: 7464.0/76

- sign 189.989+/-0.737 χ^2/NDF: 3695.6/38



Right In: 7.942+/-1.113 χ^2/NDF: 232.9/15

Left Out: -0.679+/-0.699 χ^2/NDF:353.4/21

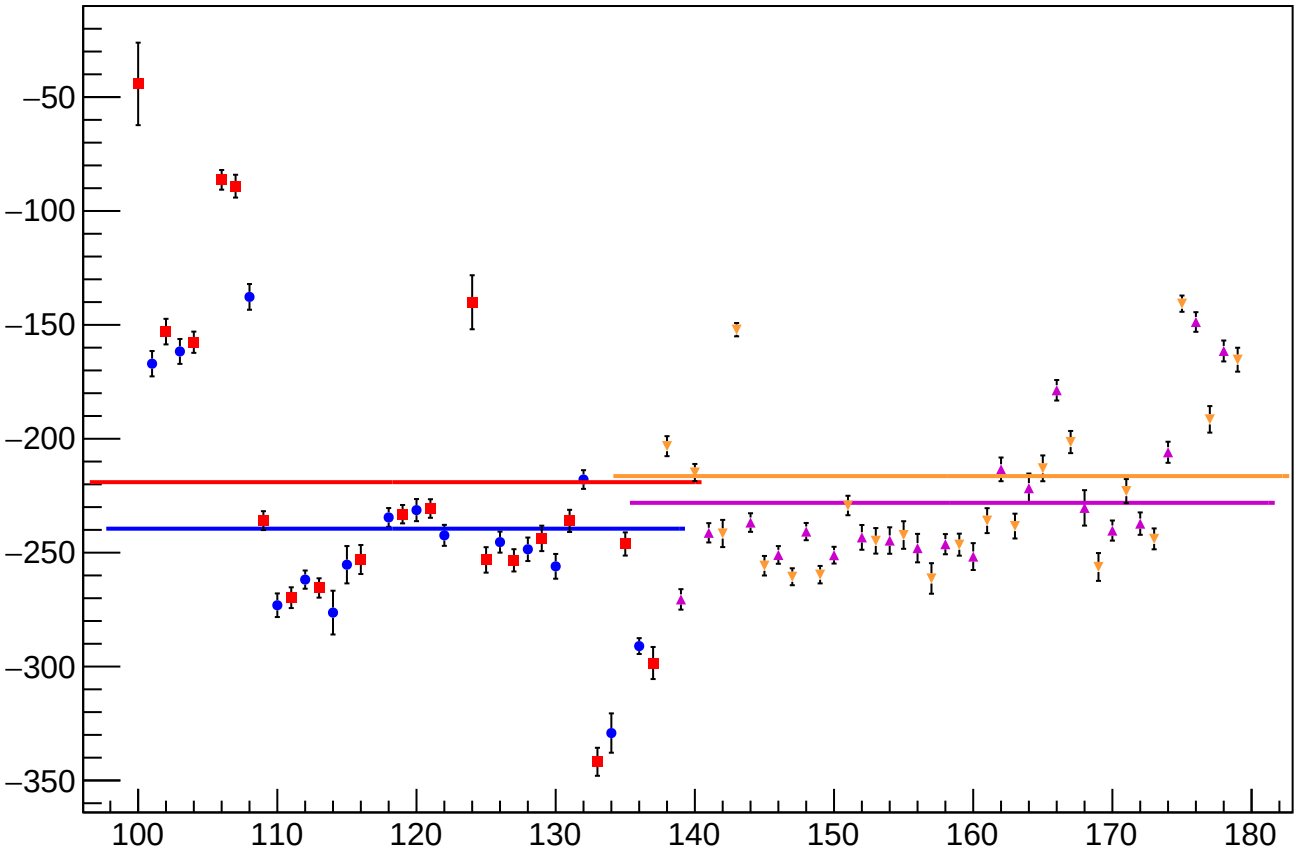
Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

Left In: 0.861+/-0.758 χ^2/NDF:329.7/19

+ sign 1.758+/-0.592 χ^2/NDF: 629.3/37

All: 2.037+/-0.427 χ^2/NDF: 1273.7/76

- sign 2.339+/-0.617 χ^2/NDF: 643.9/38



Right In: -239.468+/-1.245 χ^2/NDF: 1162.2/15

Left Out: -216.383+/-0.983 χ^2/NDF:1682.6/21

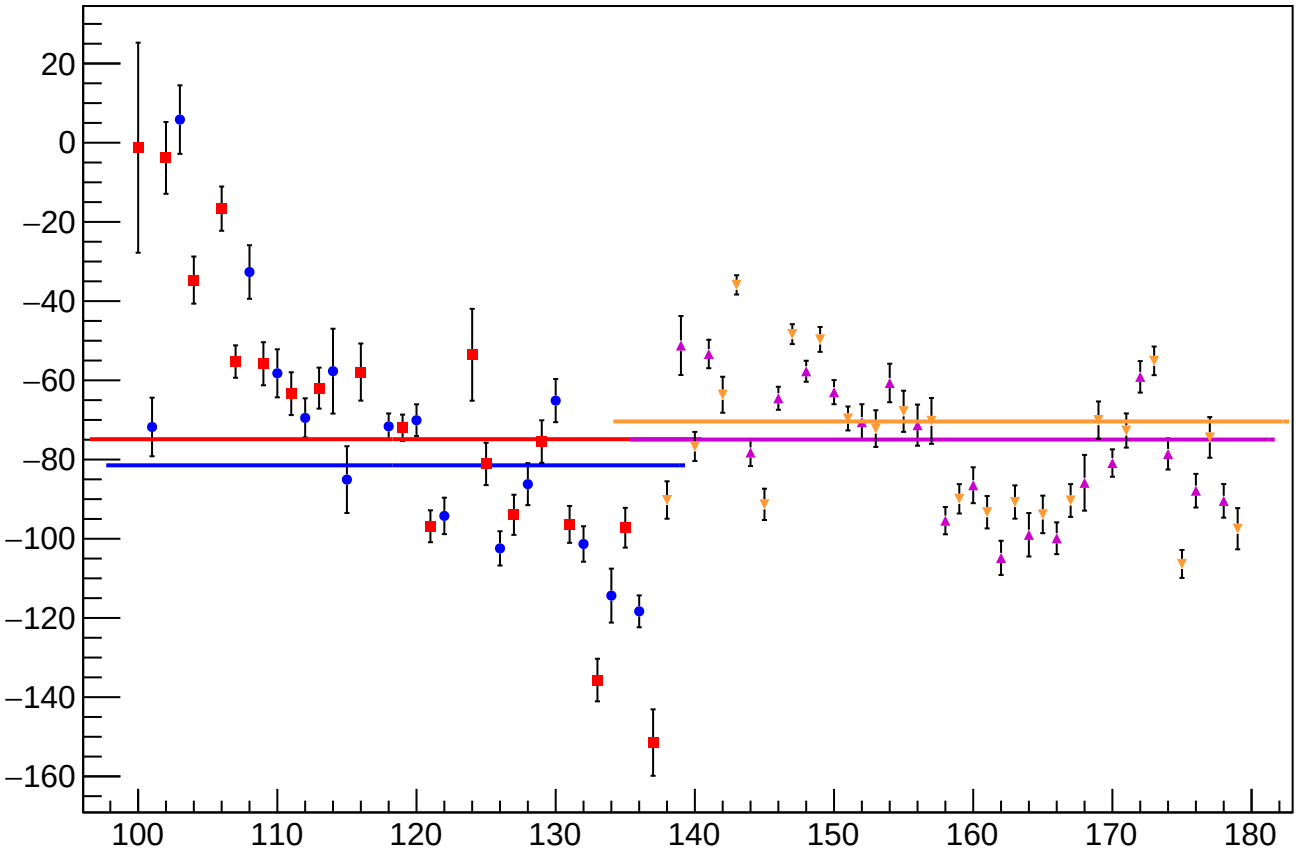
Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -228.124+/-1.047 χ^2/NDF:960.3/19

+ sign -225.240+/-0.771 χ^2/NDF: 3056.6/37

All: -224.684+/-0.549 χ^2/NDF: 7100.4/76

- sign -224.112+/-0.782 χ^2/NDF: 4042.7/38



Right In: -81.462+/-1.287 χ^2/NDF: 366.5/15

Left Out: -70.383+/-0.815 χ^2/NDF:652.2/21

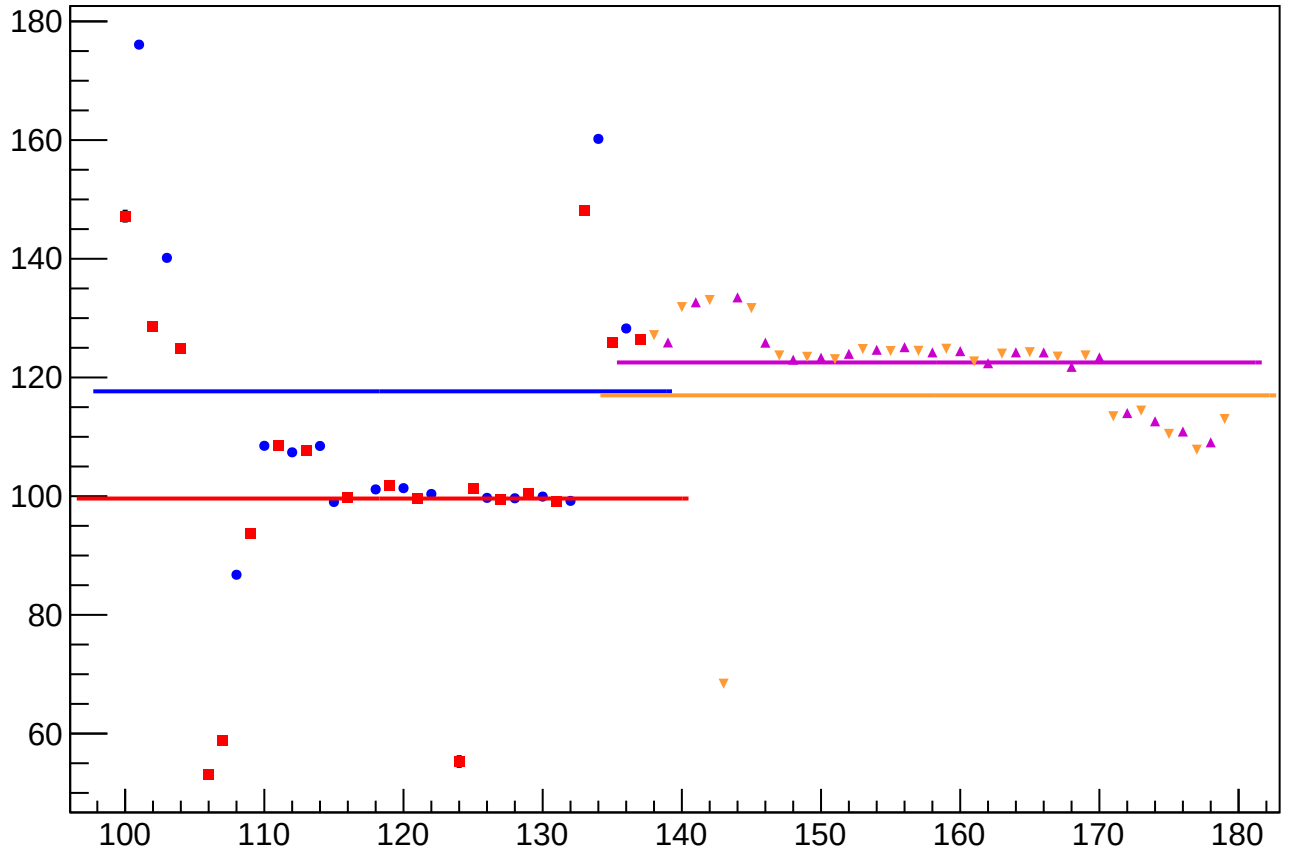
Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -74.956+/-0.876 χ^2/NDF:319.9/19

+ sign -73.554+/-0.688 χ^2/NDF: 1071.6/37

All: -74.215+/-0.495 χ^2/NDF: 1970.0/76

- sign -74.924+/-0.714 χ^2/NDF: 896.5/38



Right In: 117.666+/-0.078 χ^2/NDF: 95397.2/15

Left Out: 116.987+/-0.038 χ^2/NDF:203330.5/21

Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

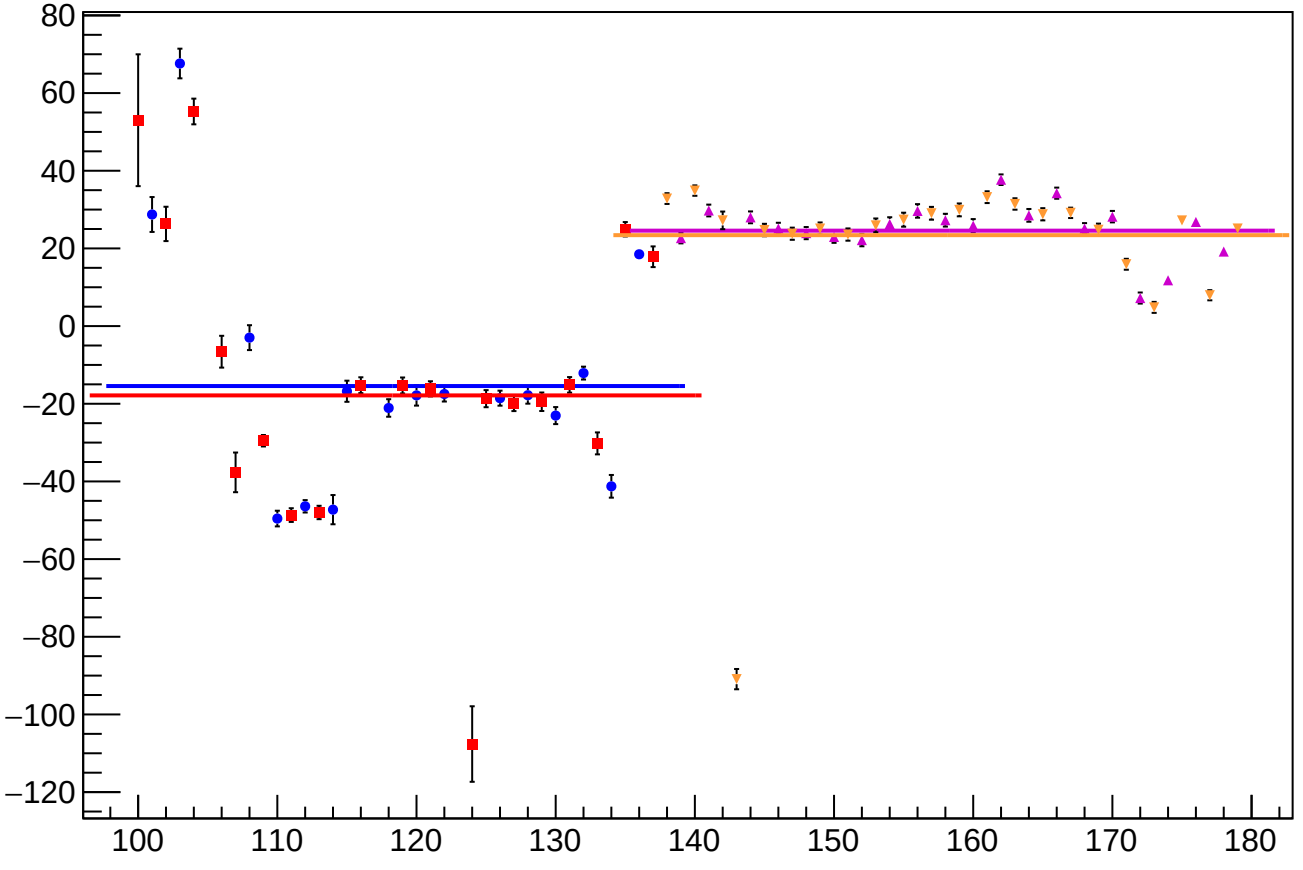
Left In: 122.532+/-0.040 χ^2/NDF:23266.9/19

+ sign 117.119+/-0.034 χ^2/NDF: 298788.3/37

All: 117.019+/-0.024 χ^2/NDF: 568619.2/76

- sign 116.917+/-0.035 χ^2/NDF: 269813.9/38

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs Slug



Right In: -15.438+/-0.539 χ^2/NDF: 2124.2/15

Left Out: 23.414+/-0.316 χ^2/NDF:2531.7/21

Right Out: -17.848+/-0.530 χ^2/NDF: 2125.2/18

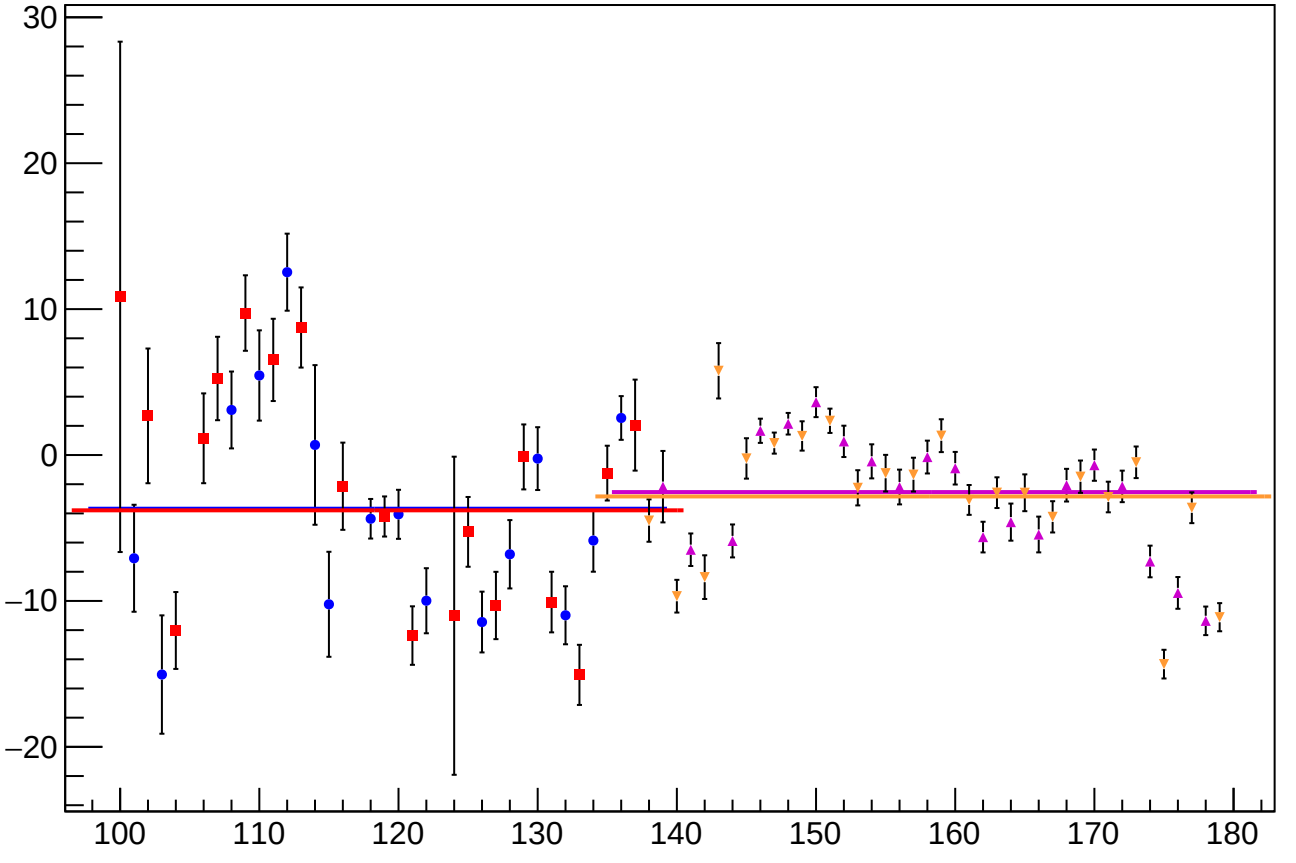
Left In: 24.575+/-0.324 χ^2/NDF:468.5/19

+ sign 13.472+/-0.273 χ^2/NDF: 8521.4/37

All: 13.238+/-0.194 χ^2/NDF: 15781.4/76

- sign 12.997+/-0.277 χ^2/NDF: 7258.5/38

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs Slug



Right In: -3.679+/-0.552 χ^2/NDF: 124.0/15

Left Out: -2.838+/-0.231 χ^2/NDF:393.9/21

Right Out: -3.790+/-0.564 χ^2/NDF: 161.2/18

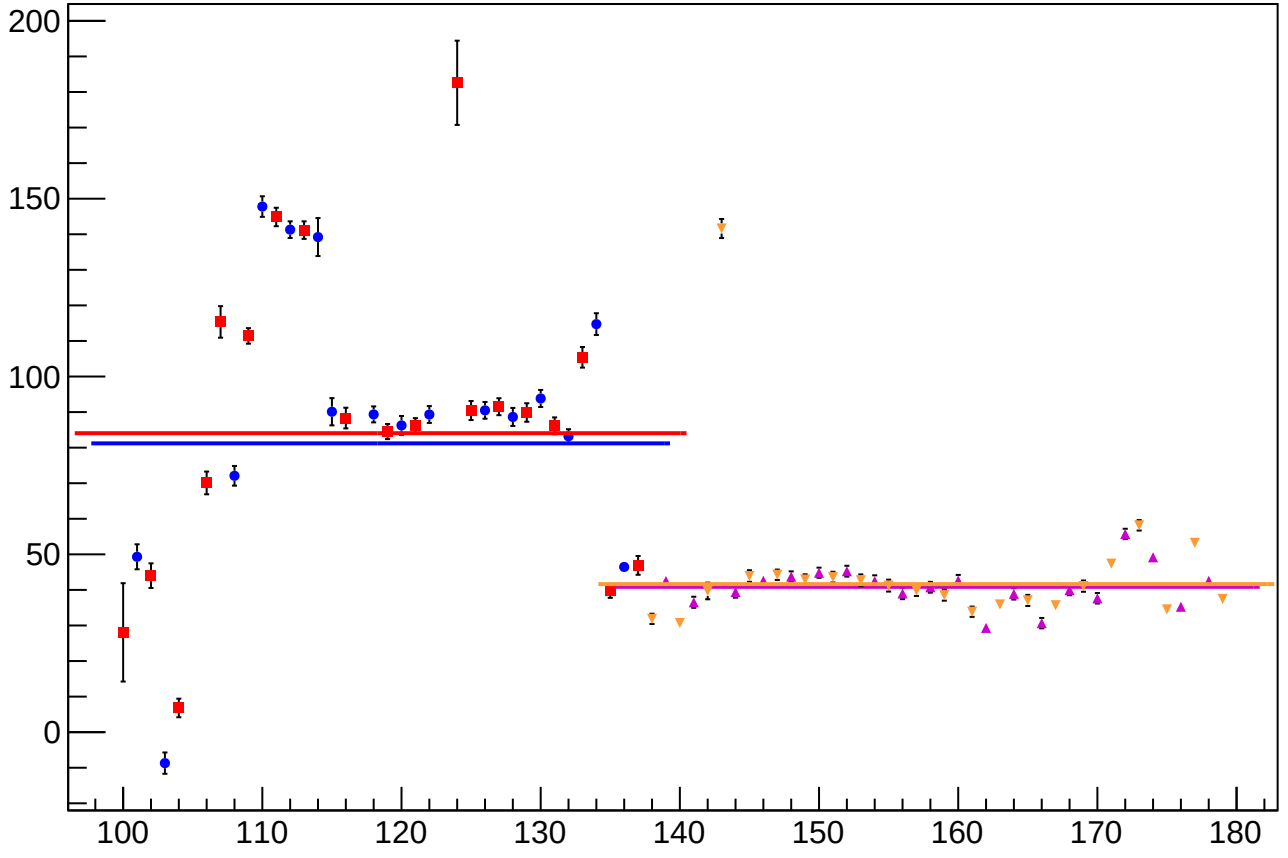
Left In: -2.540+/-0.240 χ^2/NDF:304.6/19

+ sign -2.964+/-0.213 χ^2/NDF: 519.9/37

All: -2.852+/-0.154 χ^2/NDF: 990.5/76

- sign -2.732+/-0.221 χ^2/NDF: 470.0/38

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs Slug



Right In: 81.203+/-0.607 χ^2/NDF: 3230.5/15

Left Out: 41.628+/-0.311 χ^2/NDF:1865.4/21

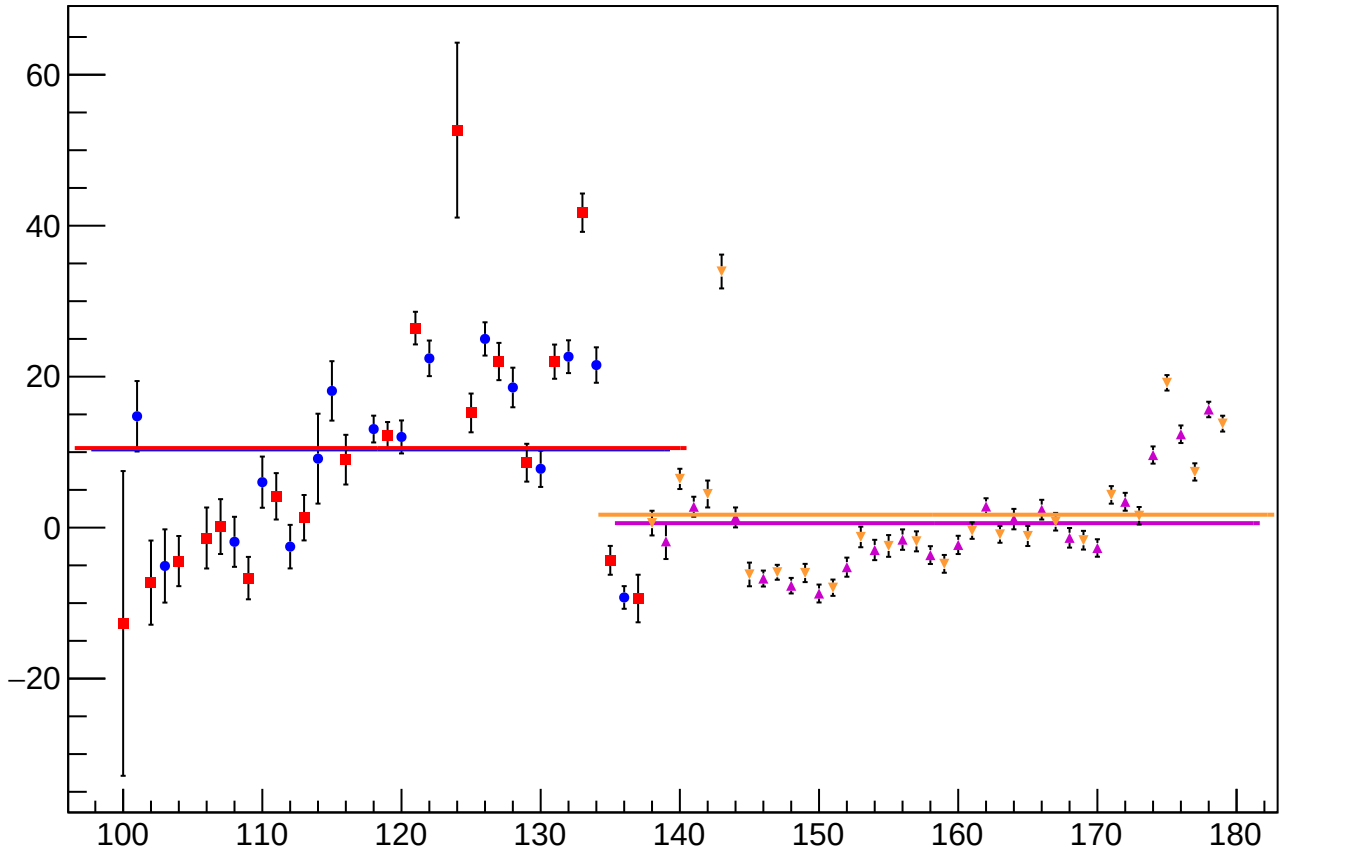
Right Out: 84.065+/-0.616 χ^2/NDF: 3206.5/18

Left In: 40.873+/-0.320 χ^2/NDF:336.2/19

+ sign 49.851+/-0.277 χ^2/NDF: 8462.7/37

All: 49.937+/-0.198 χ^2/NDF: 15876.5/76

- sign 50.028+/-0.284 χ^2/NDF: 7413.6/38



Right In: 10.367+/-0.627 χ^2/NDF: 359.8/15

Left Out: 1.714+/-0.263 χ^2/NDF:953.5/21

Right Out: 10.539+/-0.640 χ^2/NDF: 470.7/18

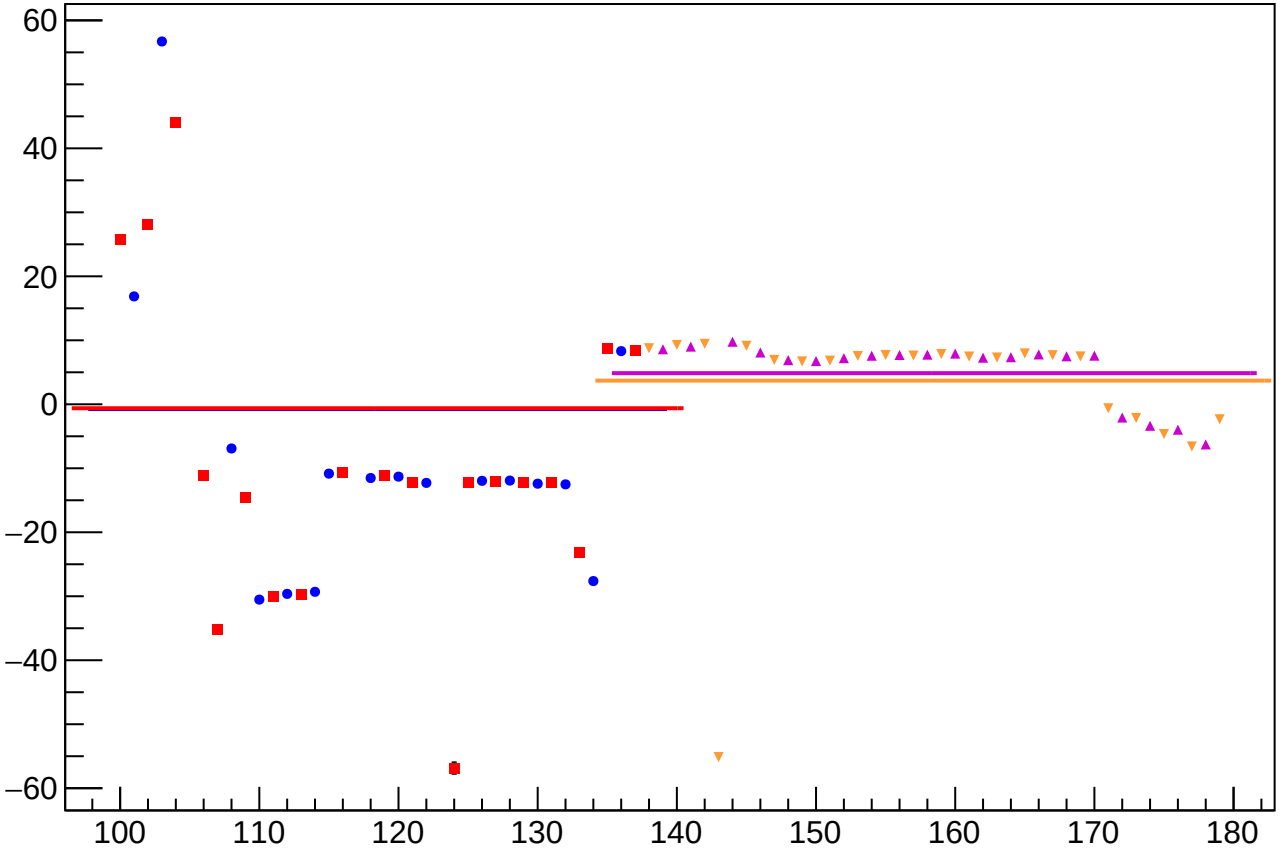
Left In: 0.591+/-0.272 χ^2/NDF:630.7/19

+ sign 3.011+/-0.243 χ^2/NDF: 1475.5/37

All: 2.578+/-0.174 χ^2/NDF: 2787.9/76

- sign 2.115+/-0.251 χ^2/NDF: 1305.9/38

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs Slug



Right In: -0.745+/-0.036 χ^2/NDF: 367993.9/15

Left Out: 3.700+/-0.012 χ^2/NDF:476608.4/21

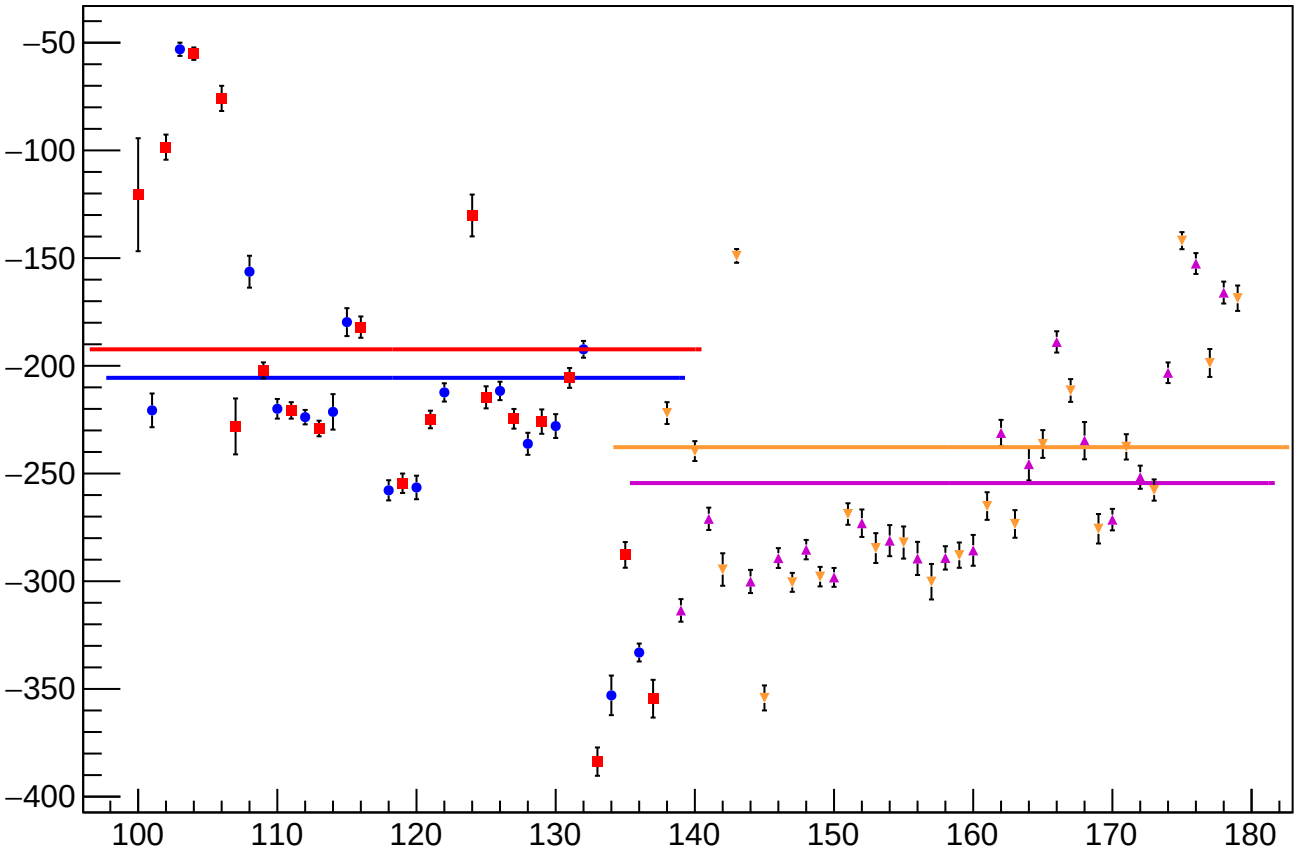
Right Out: -0.618+/-0.037 χ^2/NDF: 316492.6/18

Left In: 4.867+/-0.012 χ^2/NDF:181365.4/19

+ sign 3.263+/-0.011 χ^2/NDF: 858441.6/37

All: 3.799+/-0.008 χ^2/NDF: 1380480.9/76

- sign 4.353+/-0.011 χ^2/NDF: 517422.3/38



Right In: -205.577+/-1.185 χ^2/NDF: 4056.0/15

Left Out: -237.768+/-1.140 χ^2/NDF:2743.3/21

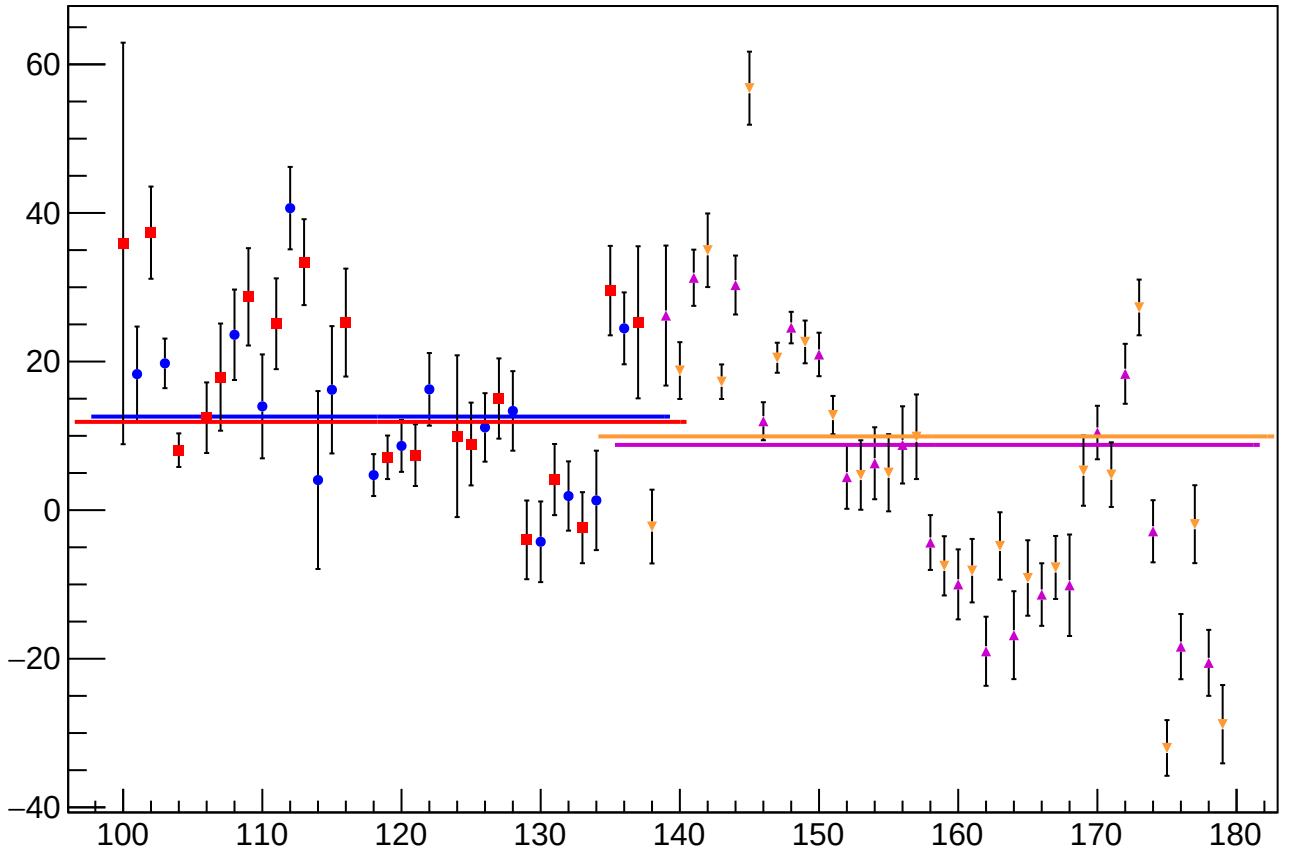
Right Out: -192.345+/-1.123 χ^2/NDF: 4969.8/18

Left In: -254.430+/-1.221 χ^2/NDF:1586.8/19

+ sign -222.292+/-0.821 χ^2/NDF: 7182.7/37

All: -221.536+/-0.583 χ^2/NDF: 15141.6/76

- sign -220.771+/-0.827 χ^2/NDF: 7957.3/38



Right In: 12.592+/-1.203 χ^2/NDF: 68.5/15

Left Out: 9.923+/-0.796 χ^2/NDF:475.1/21

Right Out: 11.880+/-1.122 χ^2/NDF: 84.9/18

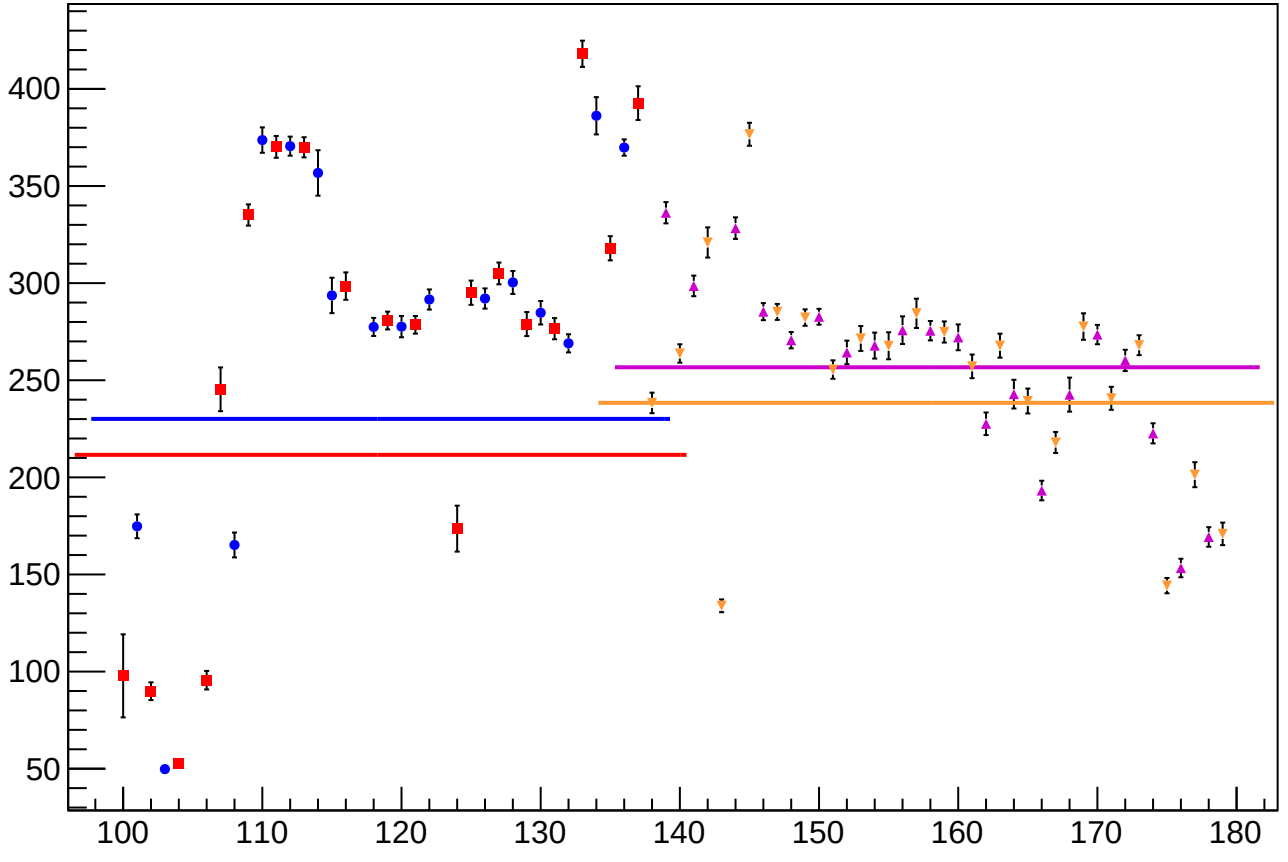
Left In: 8.781+/-0.864 χ^2/NDF:352.8/19

+ sign 10.736+/-0.664 χ^2/NDF: 547.0/37

All: 10.348+/-0.476 χ^2/NDF: 990.3/76

- sign 9.934+/-0.684 χ^2/NDF: 442.6/38

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs Slug



Right In: 230.095+/-1.260 χ^2/NDF: 9375.6/15

Left Out: 238.370+/-1.124 χ^2/NDF:2916.5/21

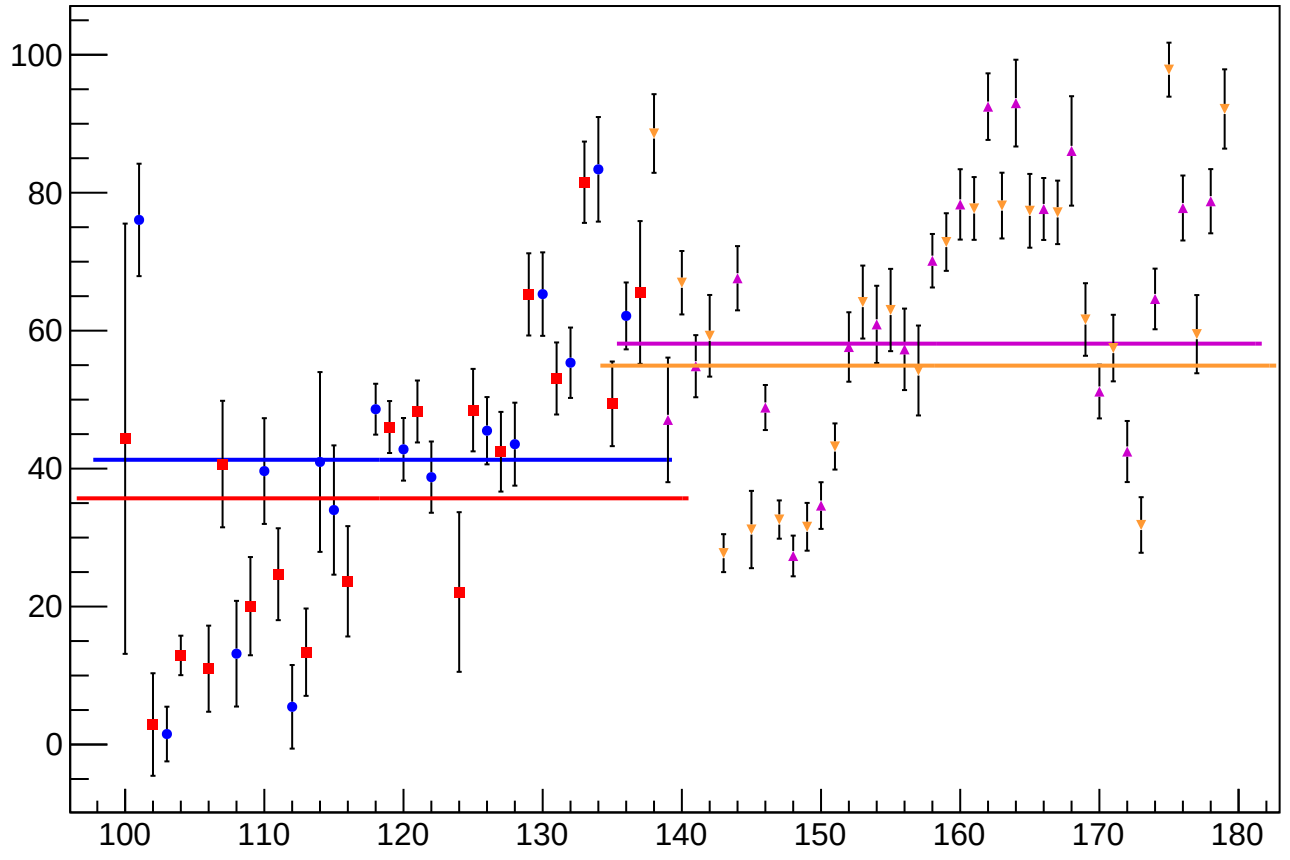
Right Out: 211.588+/-1.195 χ^2/NDF: 11472.1/18

Left In: 256.676+/-1.199 χ^2/NDF:1579.6/19

+ sign 234.700+/-0.839 χ^2/NDF: 12316.2/37

All: 234.384+/-0.596 χ^2/NDF: 26077.4/76

- sign 234.062+/-0.847 χ^2/NDF: 13761.0/38



Right In: 41.282+/-1.398 χ^2/NDF: 245.8/15

Left Out: 54.932+/-0.929 χ^2/NDF:590.7/21

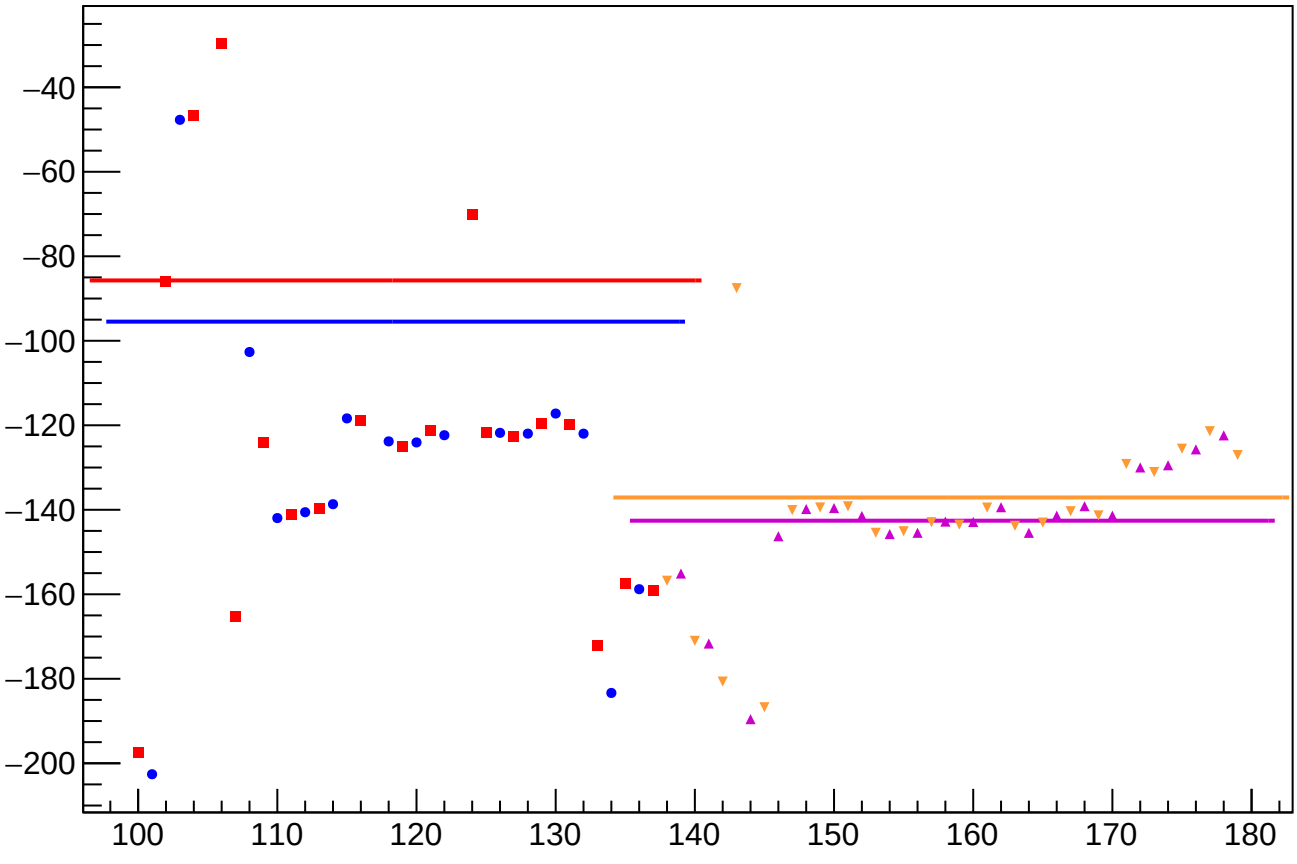
Right Out: 35.692+/-1.317 χ^2/NDF: 253.2/18

Left In: 58.116+/-0.999 χ^2/NDF:364.3/19

+ sign 50.751+/-0.773 χ^2/NDF: 902.7/37

All: 50.350+/-0.555 χ^2/NDF: 1704.7/76

- sign 49.925+/-0.796 χ^2/NDF: 801.5/38



Right In: -95.468+/-0.069 χ^2/NDF: 519953.8/15

Left Out: -137.086+/-0.044 χ^2/NDF:247496.8/21

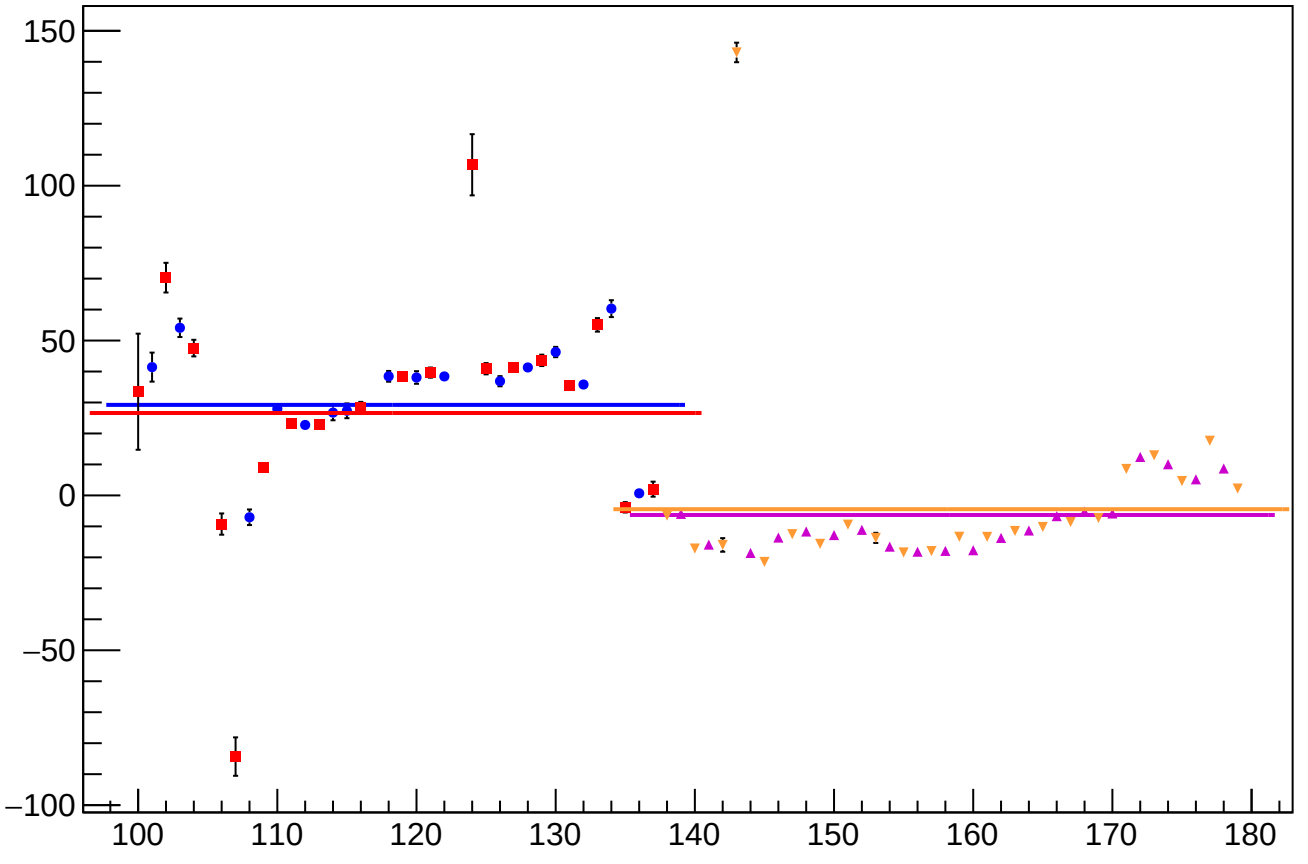
Right Out: -85.716+/-0.067 χ^2/NDF: 482604.9/18

Left In: -142.584+/-0.046 χ^2/NDF:84177.1/19

+ sign -125.212+/-0.037 χ^2/NDF: 1024086.9/37

All: -124.858+/-0.026 χ^2/NDF: 2082995.6/76

- sign -124.491+/-0.038 χ^2/NDF: 1058722.8/38



Right In: 29.229+/-0.424 χ^2/NDF: 1342.9/15

Left Out: -4.451+/-0.296 χ^2/NDF:3561.6/21

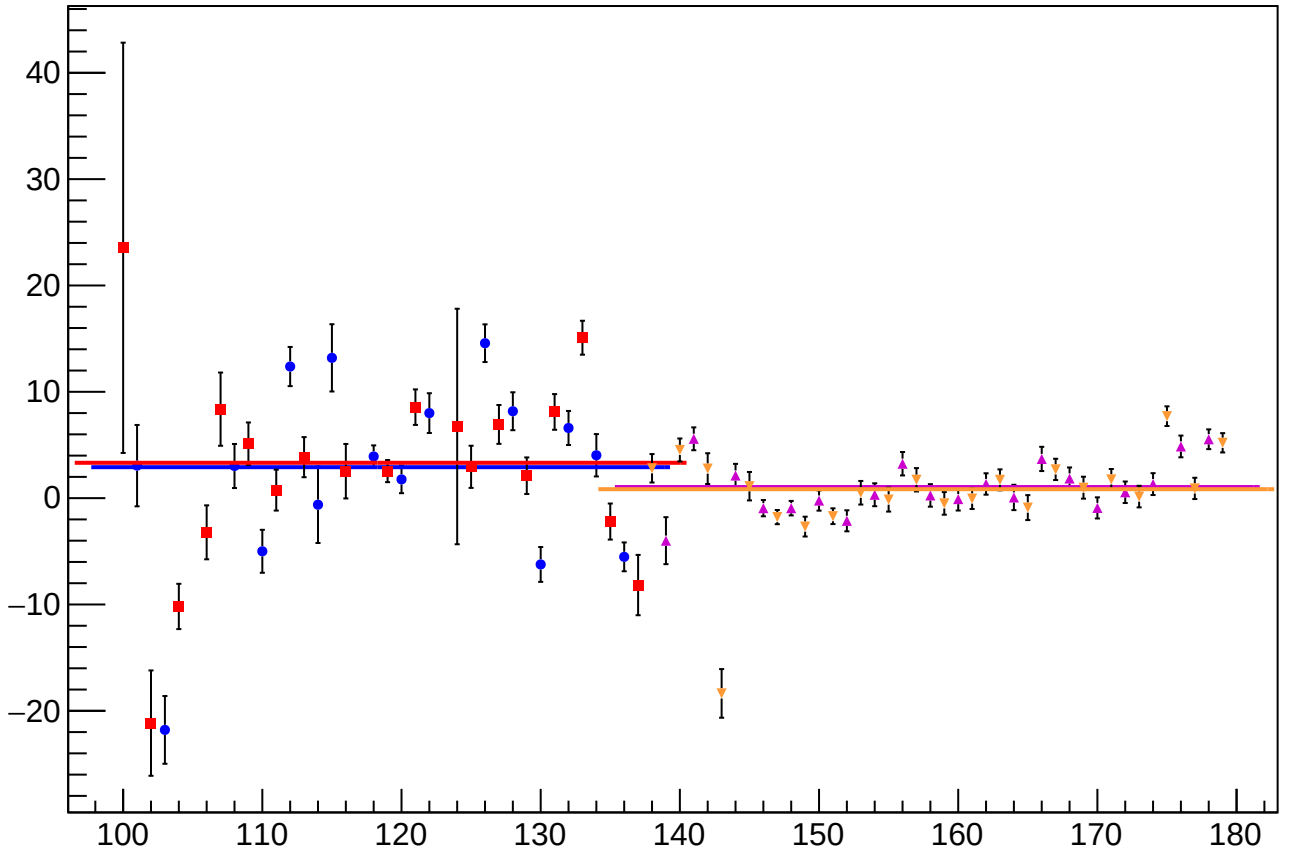
Right Out: 26.609+/-0.414 χ^2/NDF: 1920.6/18

Left In: -6.315+/-0.304 χ^2/NDF:1136.0/19

+ sign 6.598+/-0.243 χ^2/NDF: 9138.8/37

All: 5.903+/-0.172 χ^2/NDF: 16323.1/76

- sign 5.198+/-0.245 χ^2/NDF: 7167.8/38



Right In: 2.912+/-0.442 χ^2/NDF: 250.0/15

Left Out: 0.842+/-0.217 χ^2/NDF:217.7/21

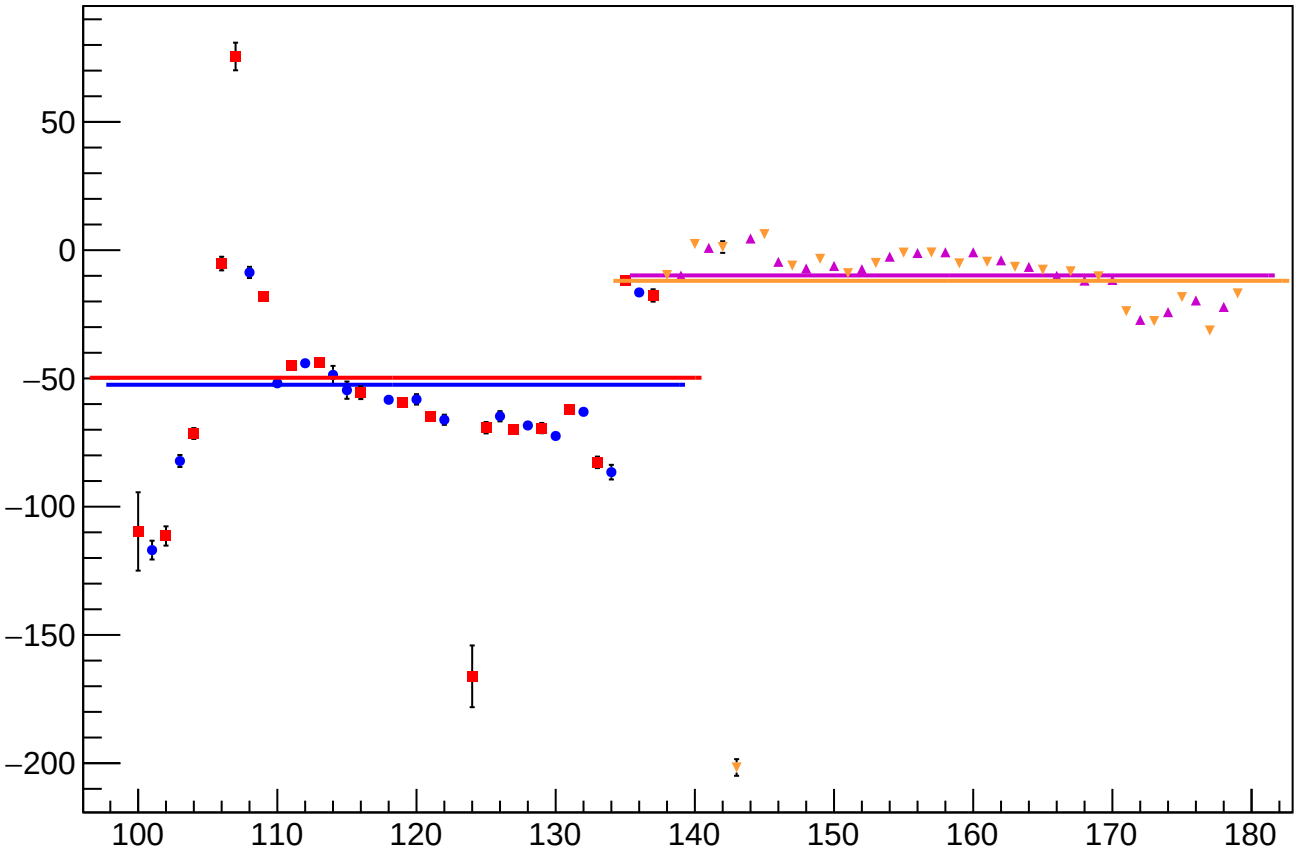
Right Out: 3.326+/-0.454 χ^2/NDF: 181.8/18

Left In: 1.045+/-0.225 χ^2/NDF:105.8/19

+ sign 1.242+/-0.195 χ^2/NDF: 485.3/37

All: 1.364+/-0.140 χ^2/NDF: 794.0/76

- sign 1.495+/-0.201 χ^2/NDF: 307.8/38



Right In: -52.467+/-0.488 χ^2/NDF: 2330.2/15

Left Out: -11.948+/-0.291 χ^2/NDF:4515.5/21

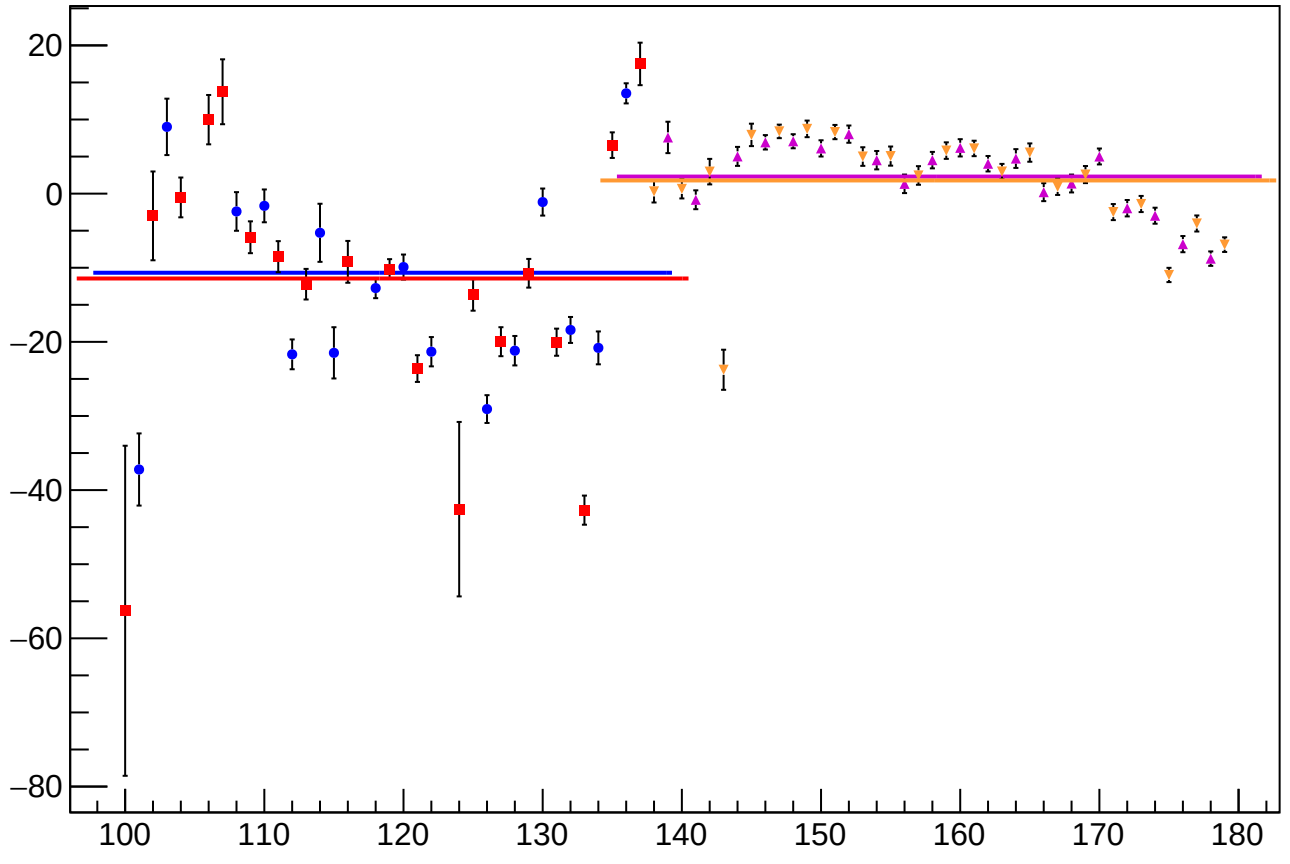
Right Out: -49.734+/-0.494 χ^2/NDF: 3009.7/18

Left In: -9.843+/-0.299 χ^2/NDF:847.2/19

+ sign -22.603+/-0.250 χ^2/NDF: 11931.3/37

All: -21.594+/-0.179 χ^2/NDF: 20593.2/76

- sign -20.538+/-0.256 χ^2/NDF: 8628.5/38



Right In: -10.675+/-0.505 χ^2/NDF: 666.4/15

Left Out: 1.779+/-0.246 χ^2/NDF:605.6/21

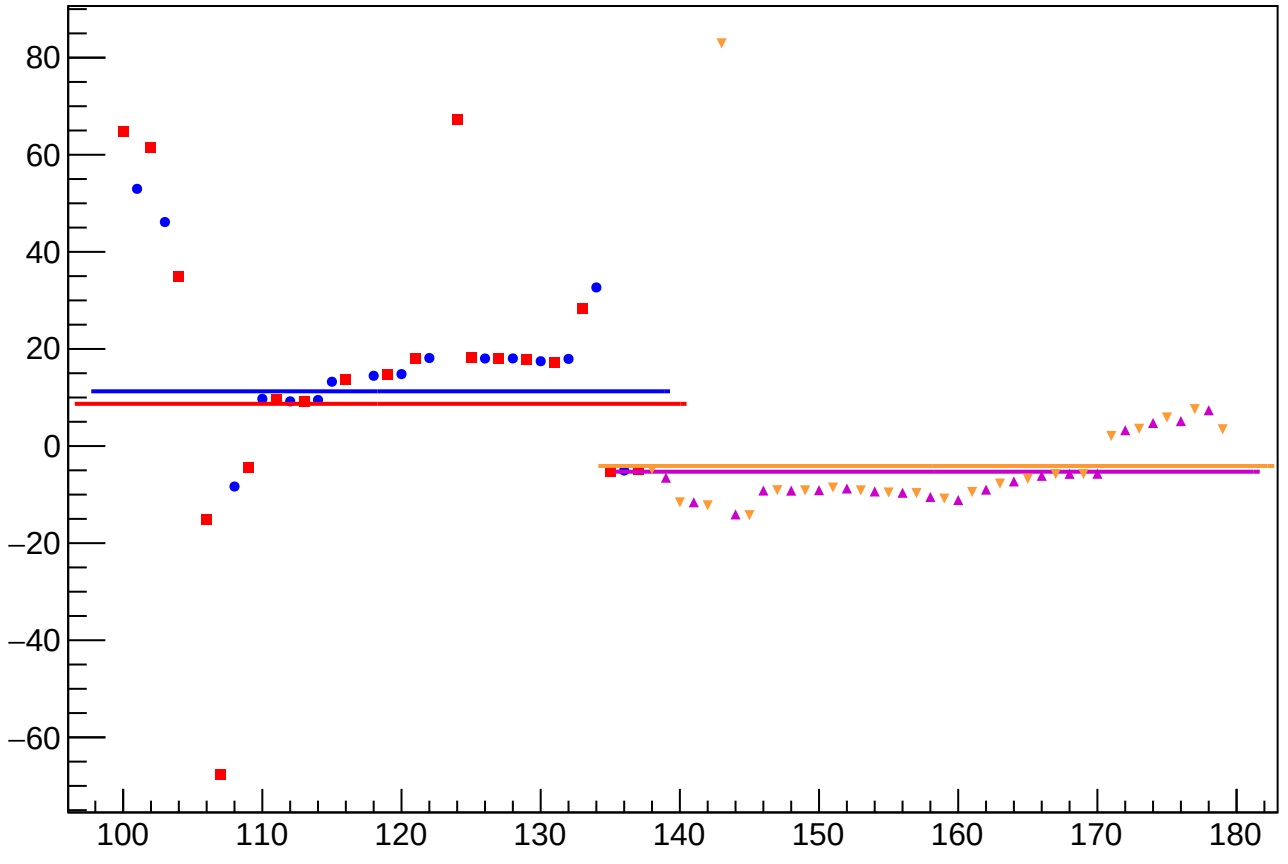
Right Out: -11.450+/-0.516 χ^2/NDF: 665.7/18

Left In: 2.302+/-0.255 χ^2/NDF:373.5/19

+ sign -0.613+/-0.222 χ^2/NDF: 1762.4/37

All: -0.510+/-0.159 χ^2/NDF: 3372.8/76

- sign -0.400+/-0.229 χ^2/NDF: 1609.9/38



Right In: 11.277+/-0.030 χ^2/NDF: 349346.9/15

Left Out: -4.104+/-0.011 χ^2/NDF:756805.3/21

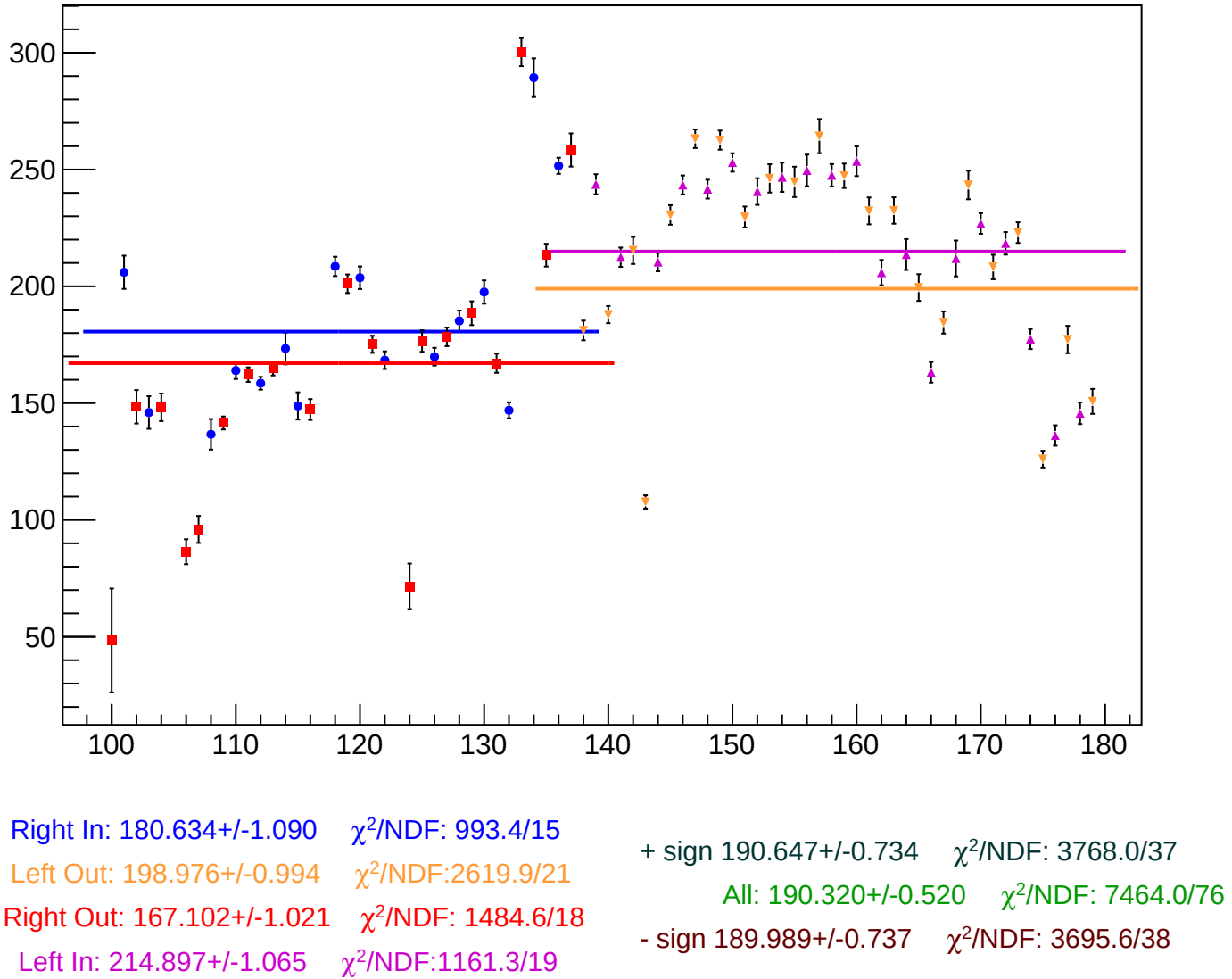
Right Out: 8.698+/-0.031 χ^2/NDF: 436156.0/18

Left In: -5.284+/-0.011 χ^2/NDF:306856.2/19

\+ sign -2.251+/-0.010 χ^2/NDF: 1338559.1/37

All: -2.964+/-0.007 χ^2/NDF: 2266777.0/76

\- sign -3.703+/-0.011 χ^2/NDF: 918626.0/38


reg_asym_at1_avg_at2_avg_dd_diff_bpm1X_slope vs Slug
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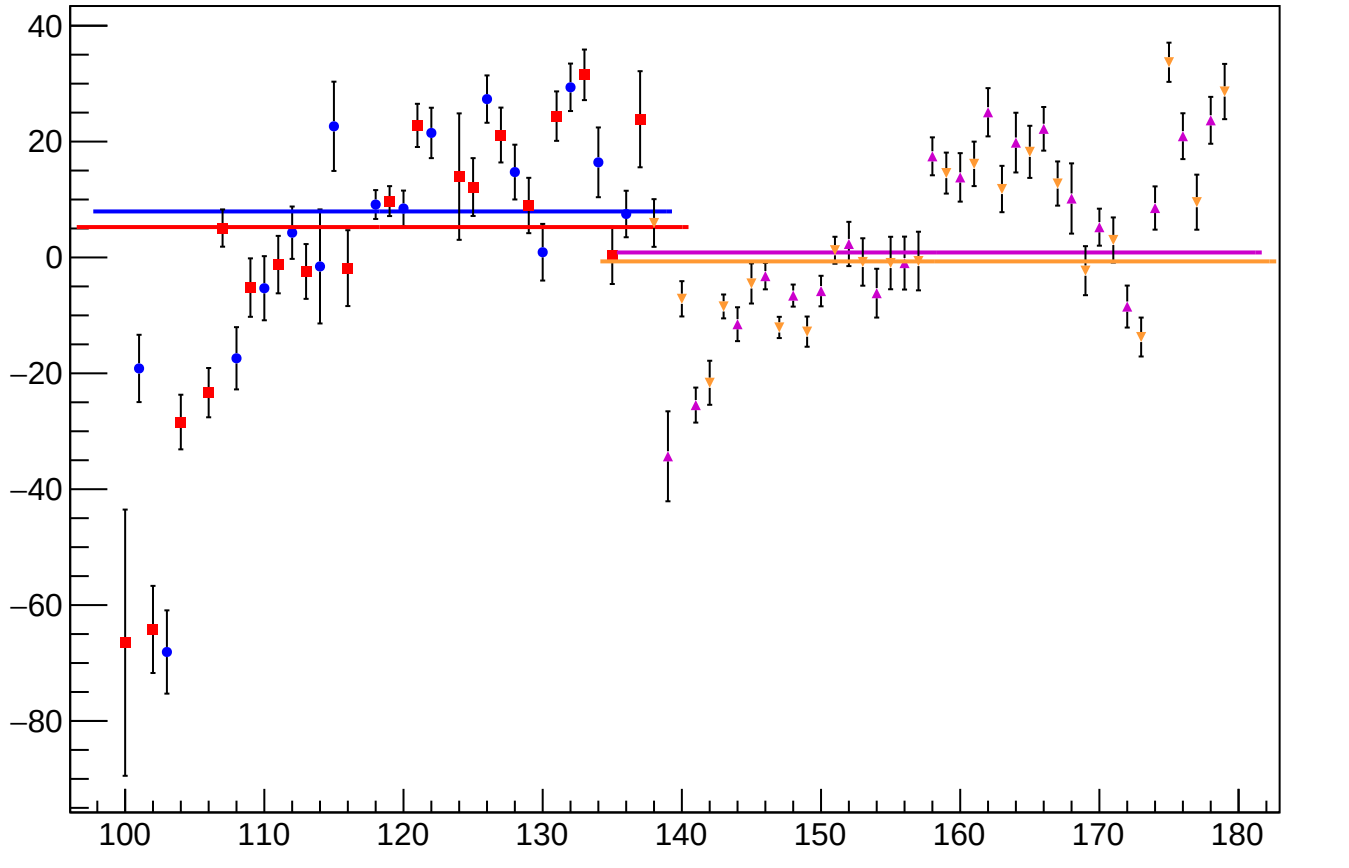
Right In: 180.634+/-1.090 χ²/NDF: 993.4/15
Left Out: 198.976+/-0.994 χ²/NDF:2619.9/21
Right Out: 167.102+/-1.021 χ²/NDF: 1484.6/18
Left In: 214.897+/-1.065 χ²/NDF:1161.3/19
+ sign 190.647+/-0.734 χ²/NDF: 3768.0/37
All: 190.320+/-0.520 χ²/NDF: 7464.0/76
- sign 189.989+/-0.737 χ²/NDF: 3695.6/38



Right In: 7.942+/-1.113 χ^2/NDF: 232.9/15

Left Out: -0.679+/-0.699 χ^2/NDF:353.4/21

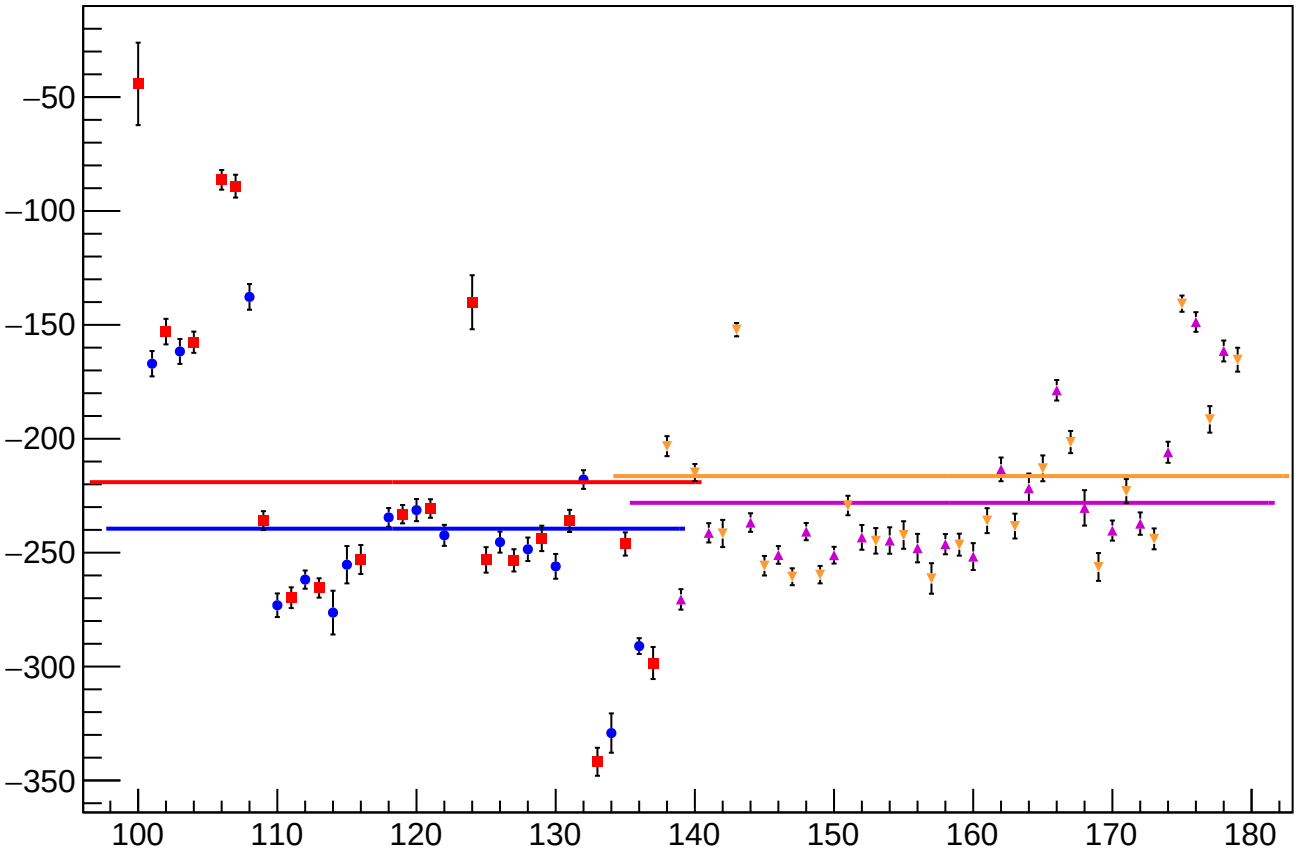
Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

Left In: 0.861+/-0.758 χ^2/NDF:329.7/19

+ sign 1.758+/-0.592 χ^2/NDF: 629.3/37

All: 2.037+/-0.427 χ^2/NDF: 1273.7/76

- sign 2.339+/-0.617 χ^2/NDF: 643.9/38



Right In: -239.468+/-1.245 χ^2/NDF: 1162.2/15

Left Out: -216.383+/-0.983 χ^2/NDF:1682.6/21

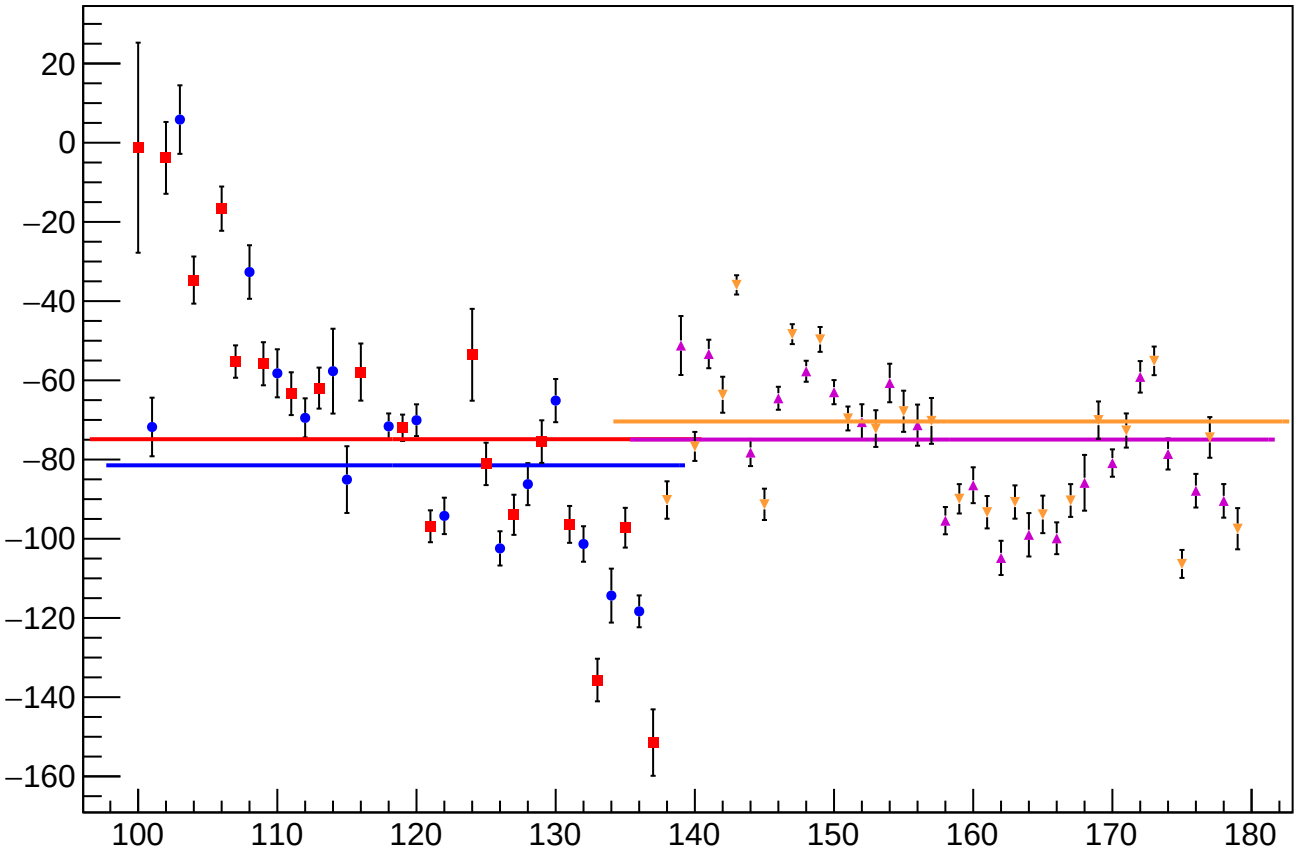
Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -228.124+/-1.047 χ^2/NDF:960.3/19

+ sign -225.240+/-0.771 χ^2/NDF: 3056.6/37

All: -224.684+/-0.549 χ^2/NDF: 7100.4/76

- sign -224.112+/-0.782 χ^2/NDF: 4042.7/38



Right In: -81.462+/-1.287 χ^2/NDF: 366.5/15

Left Out: -70.383+/-0.815 χ^2/NDF:652.2/21

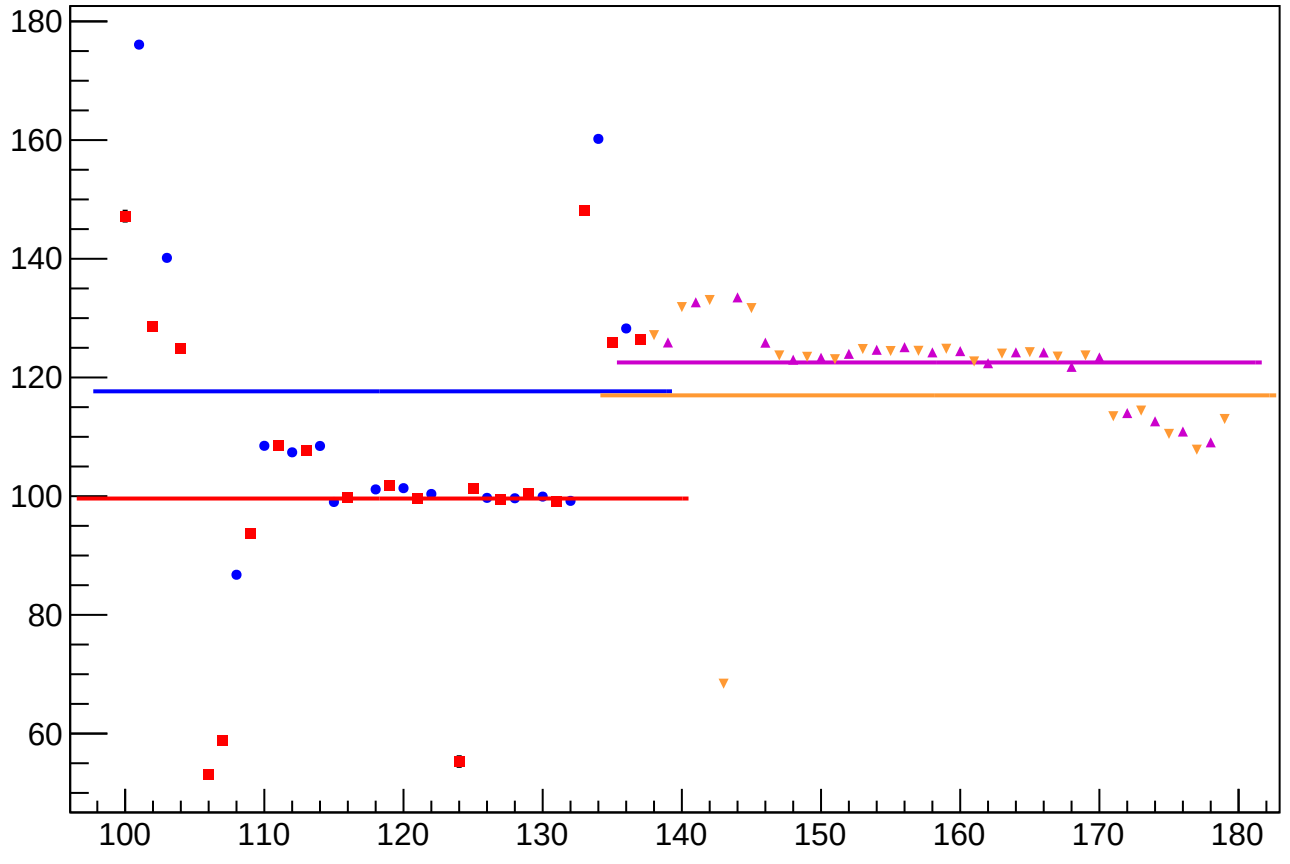
Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -74.956+/-0.876 χ^2/NDF:319.9/19

+ sign -73.554+/-0.688 χ^2/NDF: 1071.6/37

All: -74.215+/-0.495 χ^2/NDF: 1970.0/76

- sign -74.924+/-0.714 χ^2/NDF: 896.5/38



Right In: 117.666+/-0.078 χ^2/NDF: 95397.2/15

Left Out: 116.987+/-0.038 χ^2/NDF:203330.5/21

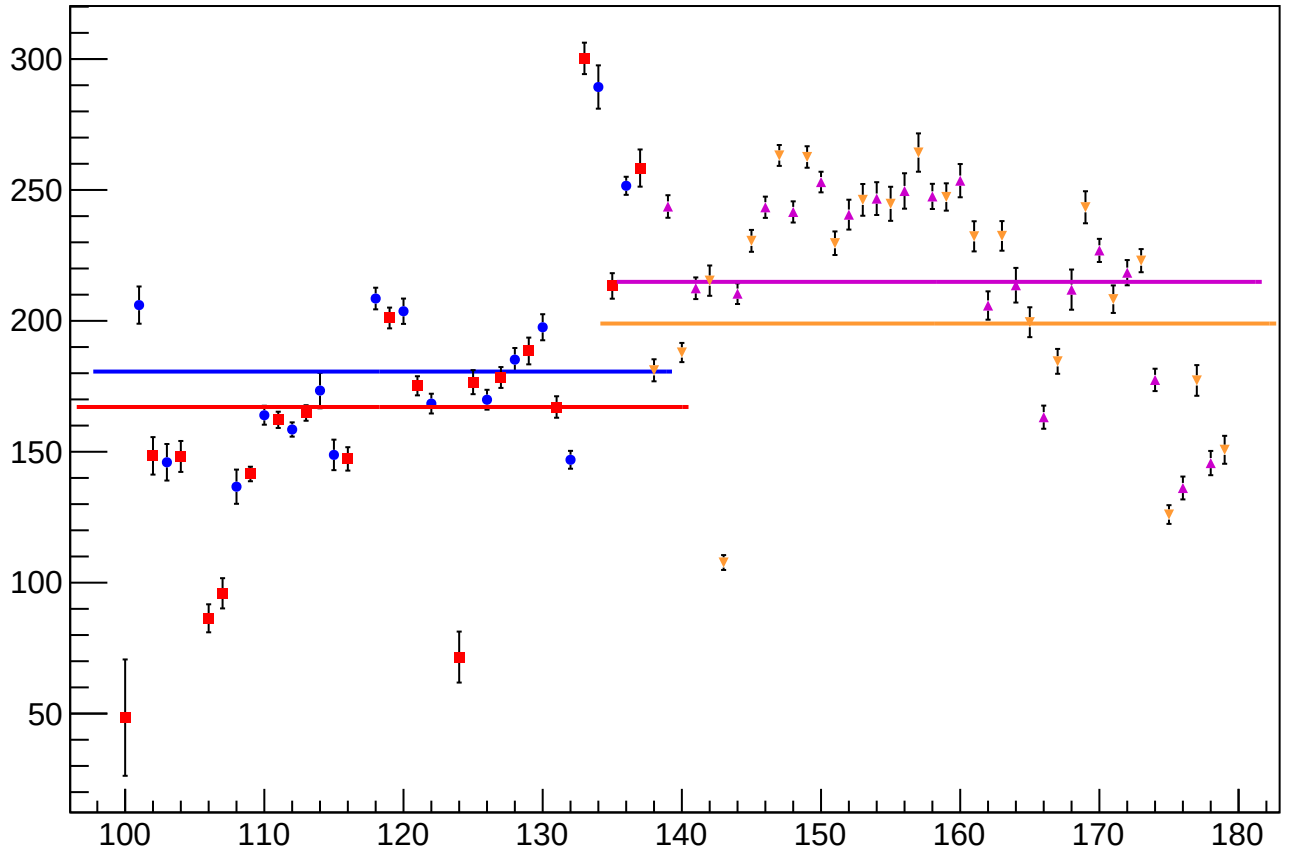
Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

Left In: 122.532+/-0.040 χ^2/NDF:23266.9/19

+ sign 117.119+/-0.034 χ^2/NDF: 298788.3/37

All: 117.019+/-0.024 χ^2/NDF: 568619.2/76

- sign 116.917+/-0.035 χ^2/NDF: 269813.9/38


reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm1X_slope vs Slug
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Right In: 180.634+/-1.090 χ²/NDF: 993.4/15
Left Out: 198.976+/-0.994 χ²/NDF:2619.9/21
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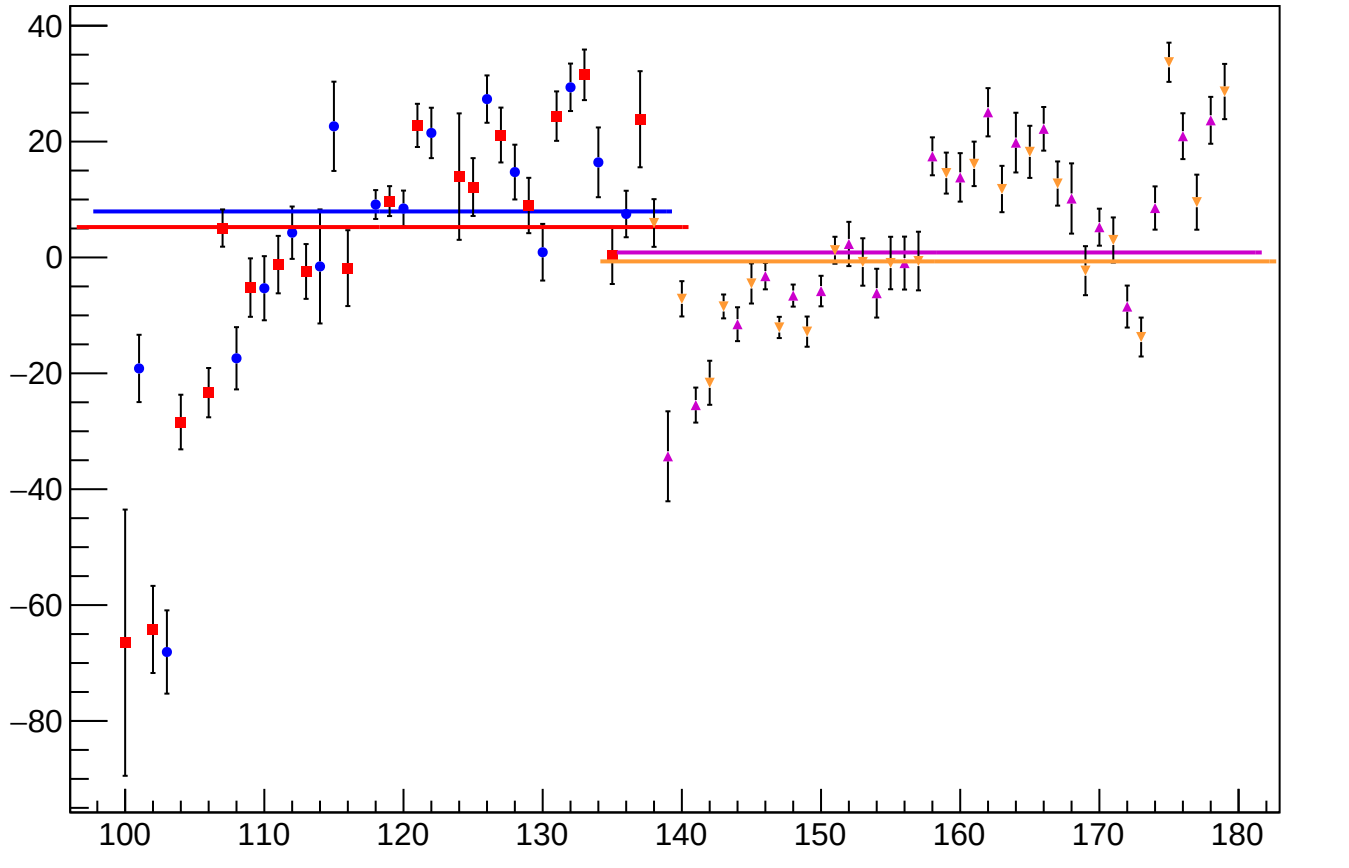

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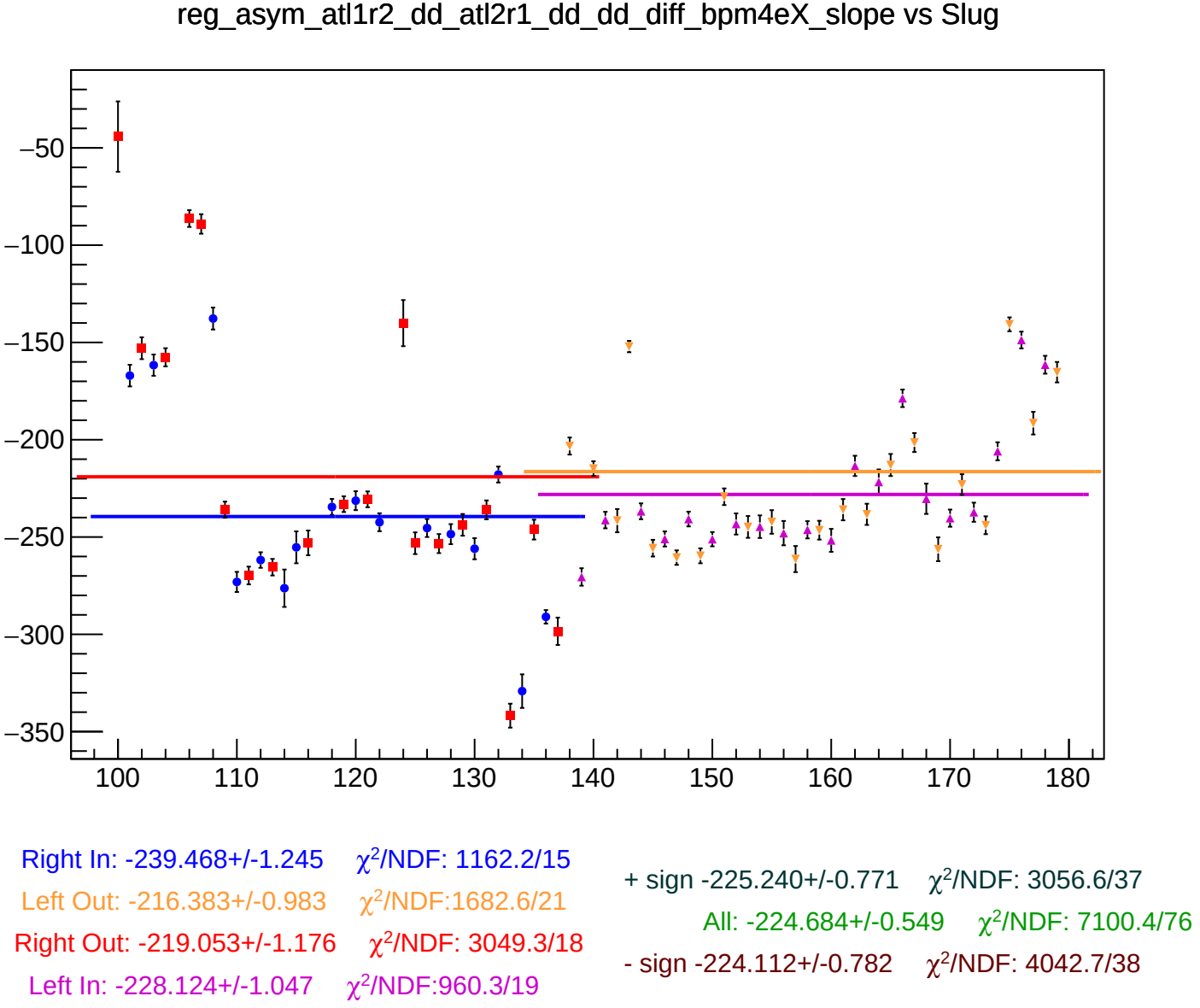
reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eX_slope vs Slug
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Right In: -239.468+/-1.245 χ²/NDF: 1162.2/15
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+ sign -225.240+/-0.771 χ²/NDF: 3056.6/37
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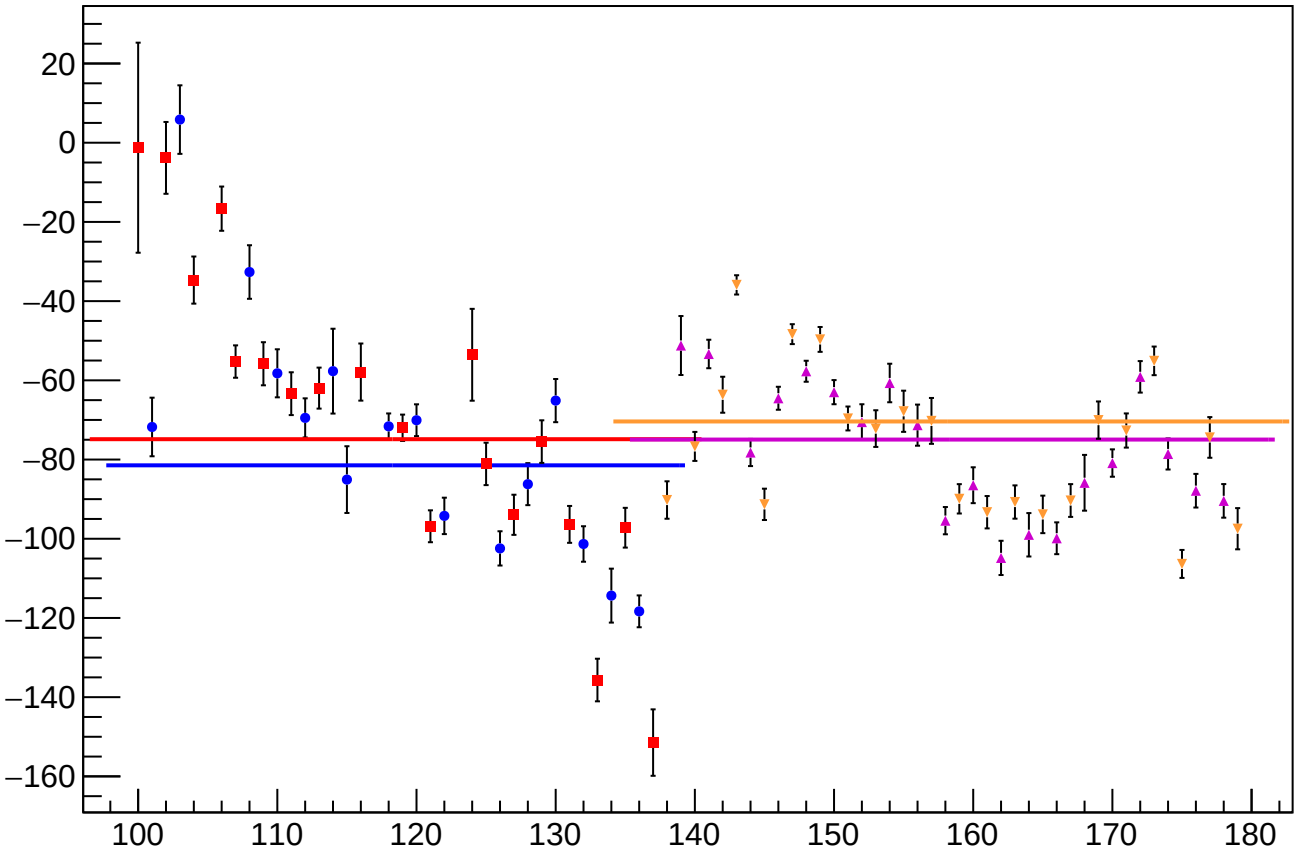

Right In: -81.462+/-1.287 χ^2/NDF: 366.5/15

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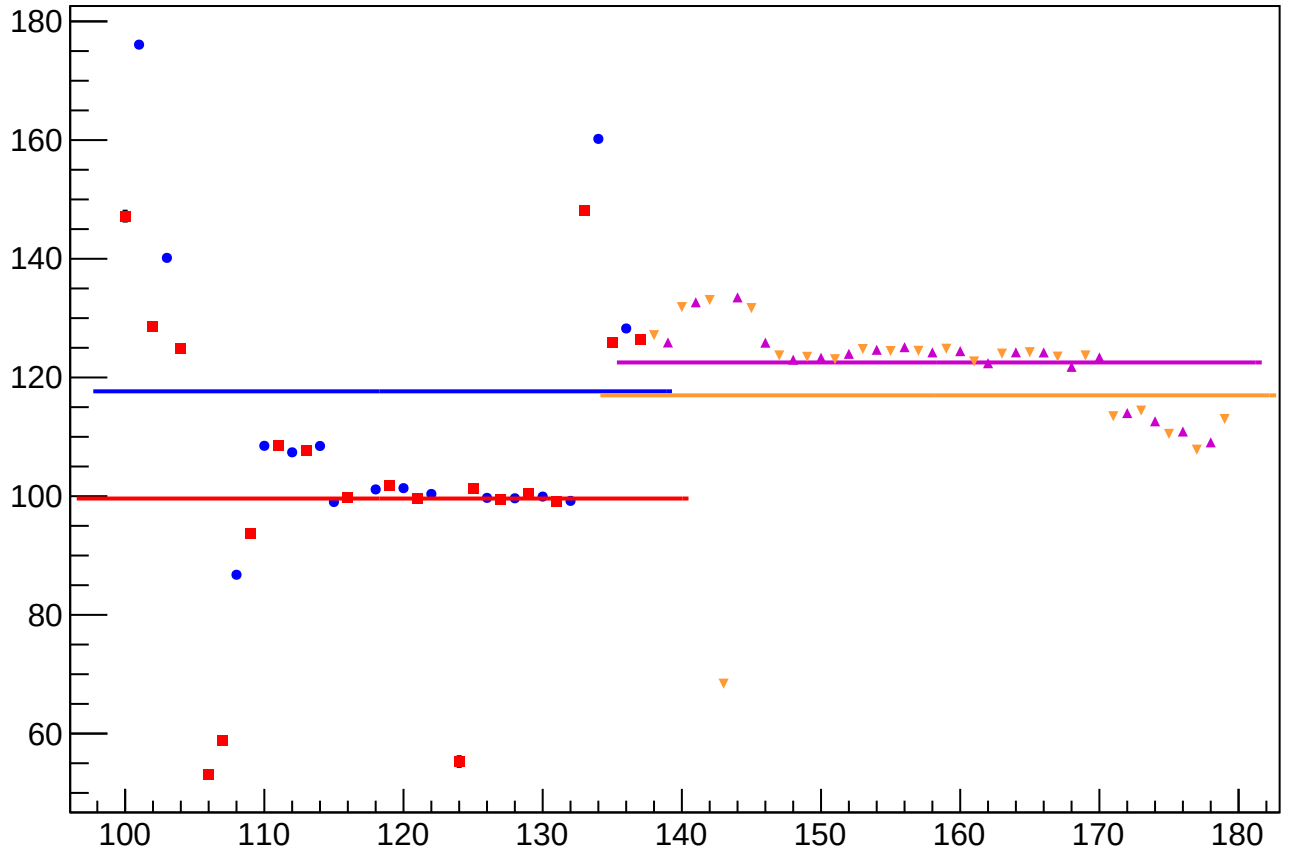

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All: 117.019+/-0.024 χ^2/NDF: 568619.2/76

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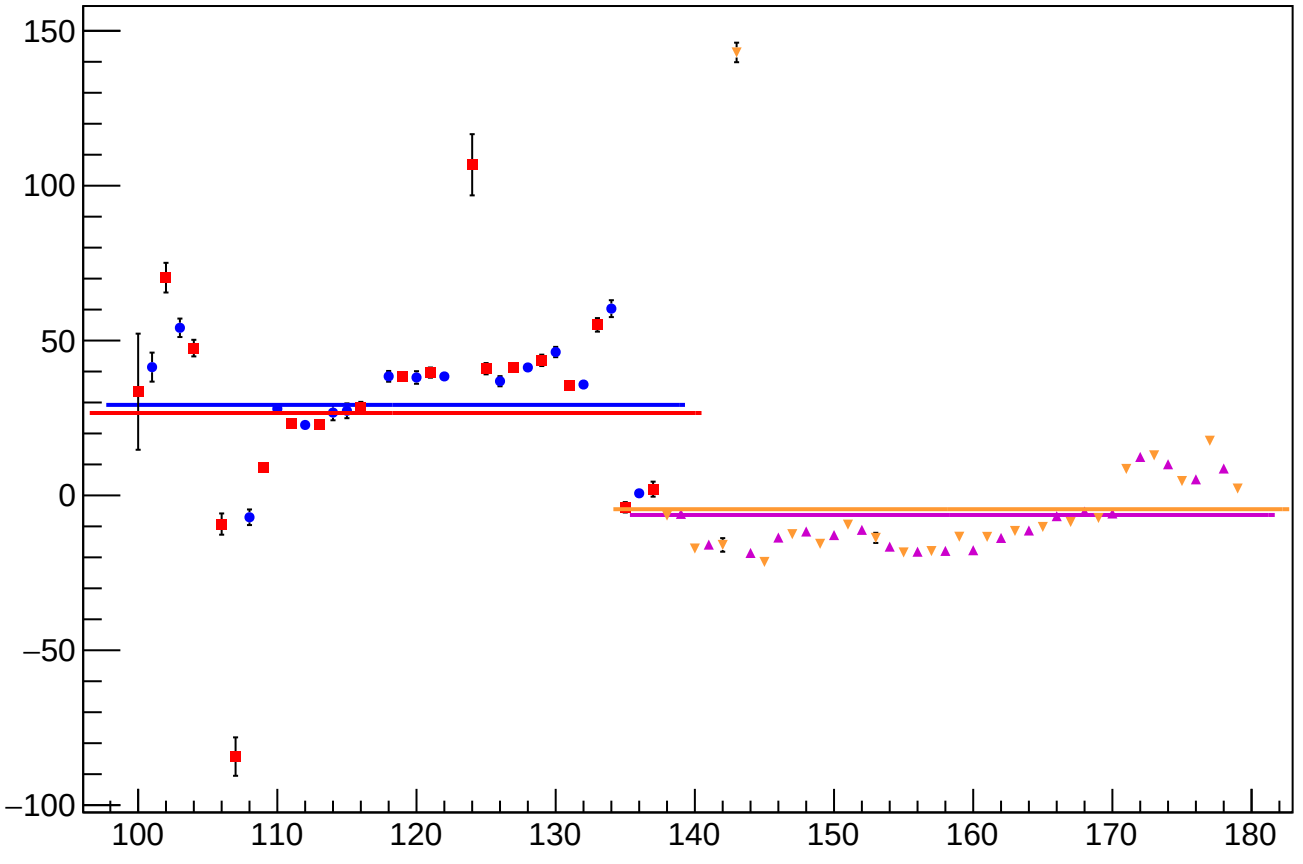

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Left Out: -4.451+/-0.296 χ^2/NDF:3561.6/21

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Left In: -6.315+/-0.304 χ^2/NDF:1136.0/19

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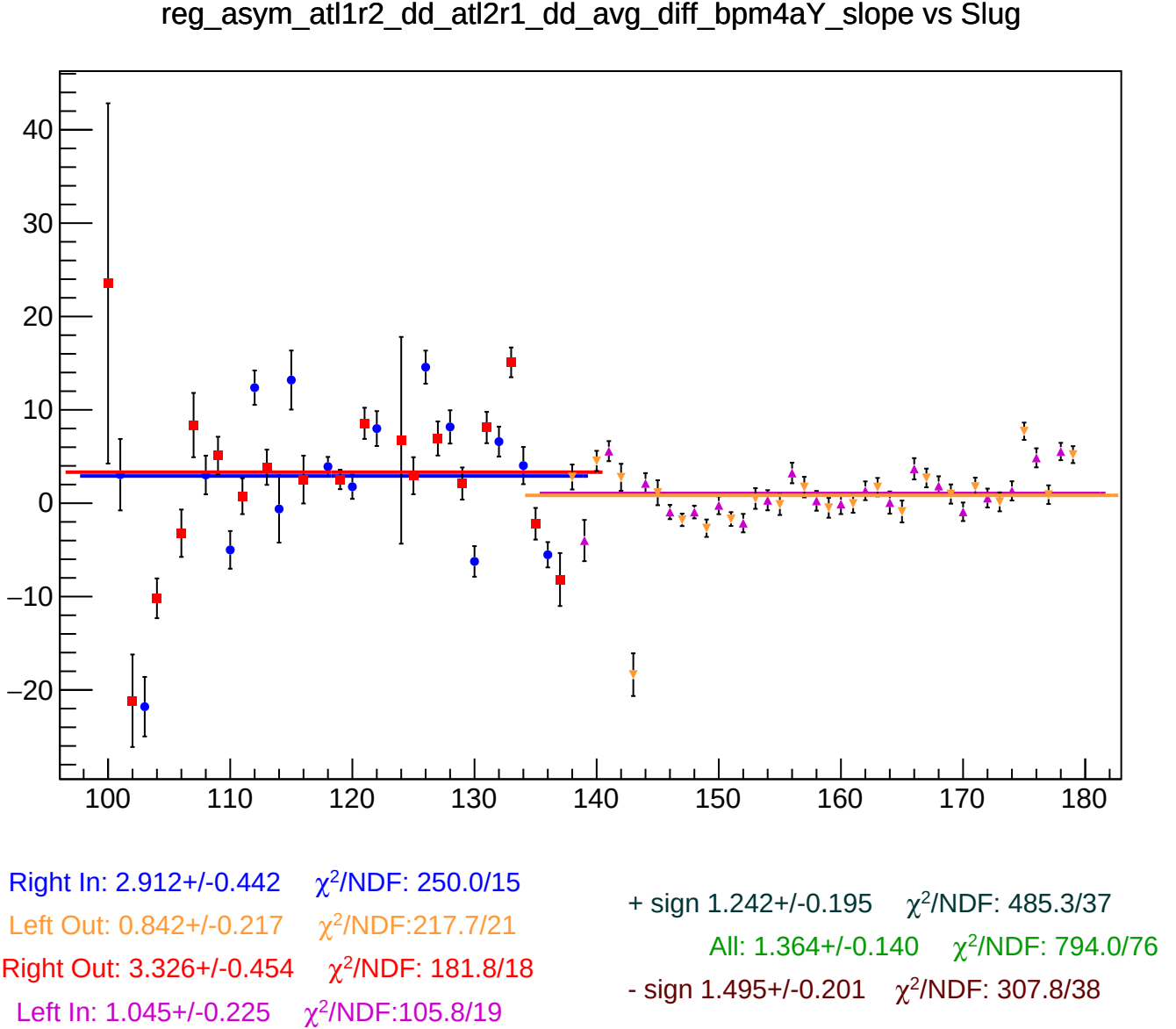
reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4aY_slope vs Slug
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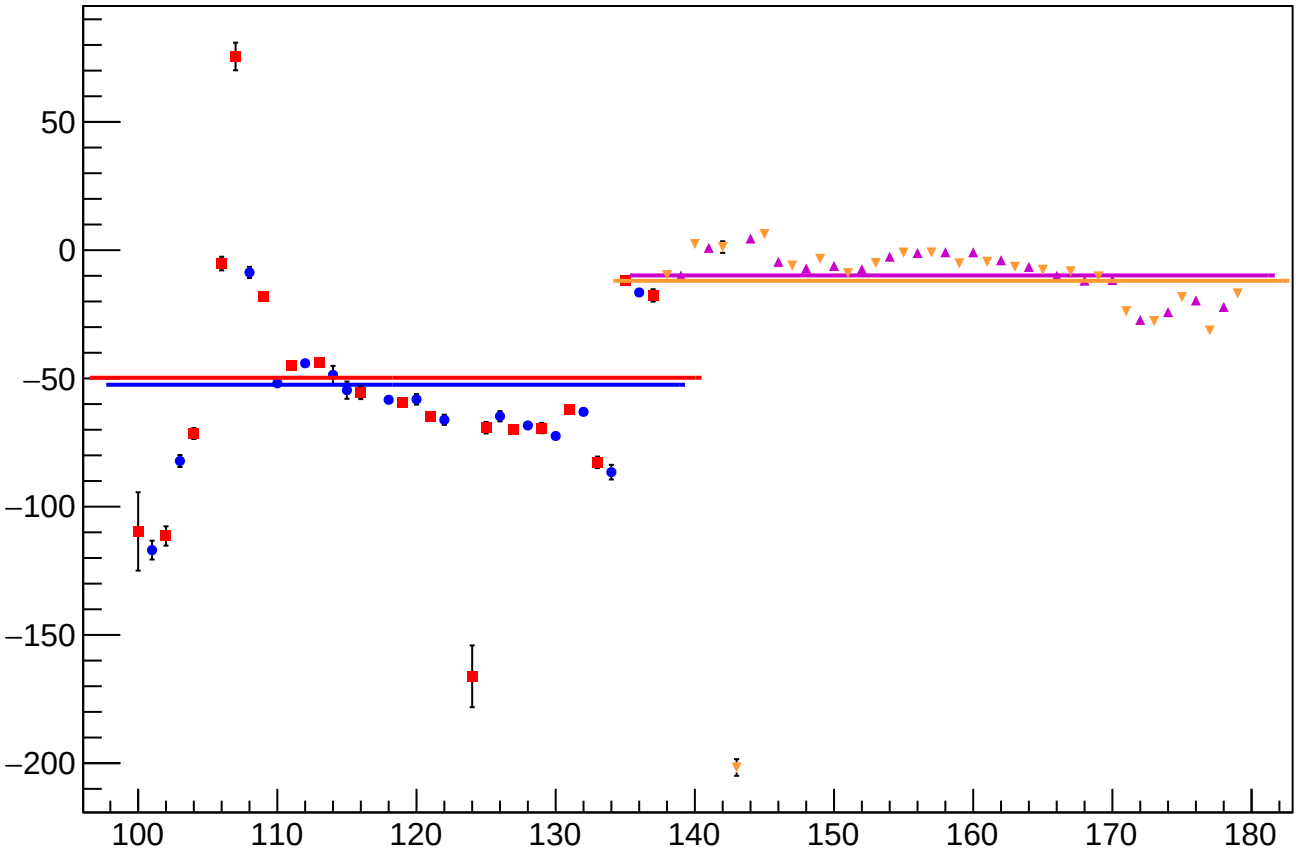

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Left Out: -11.948+/-0.291 χ^2/NDF:4515.5/21

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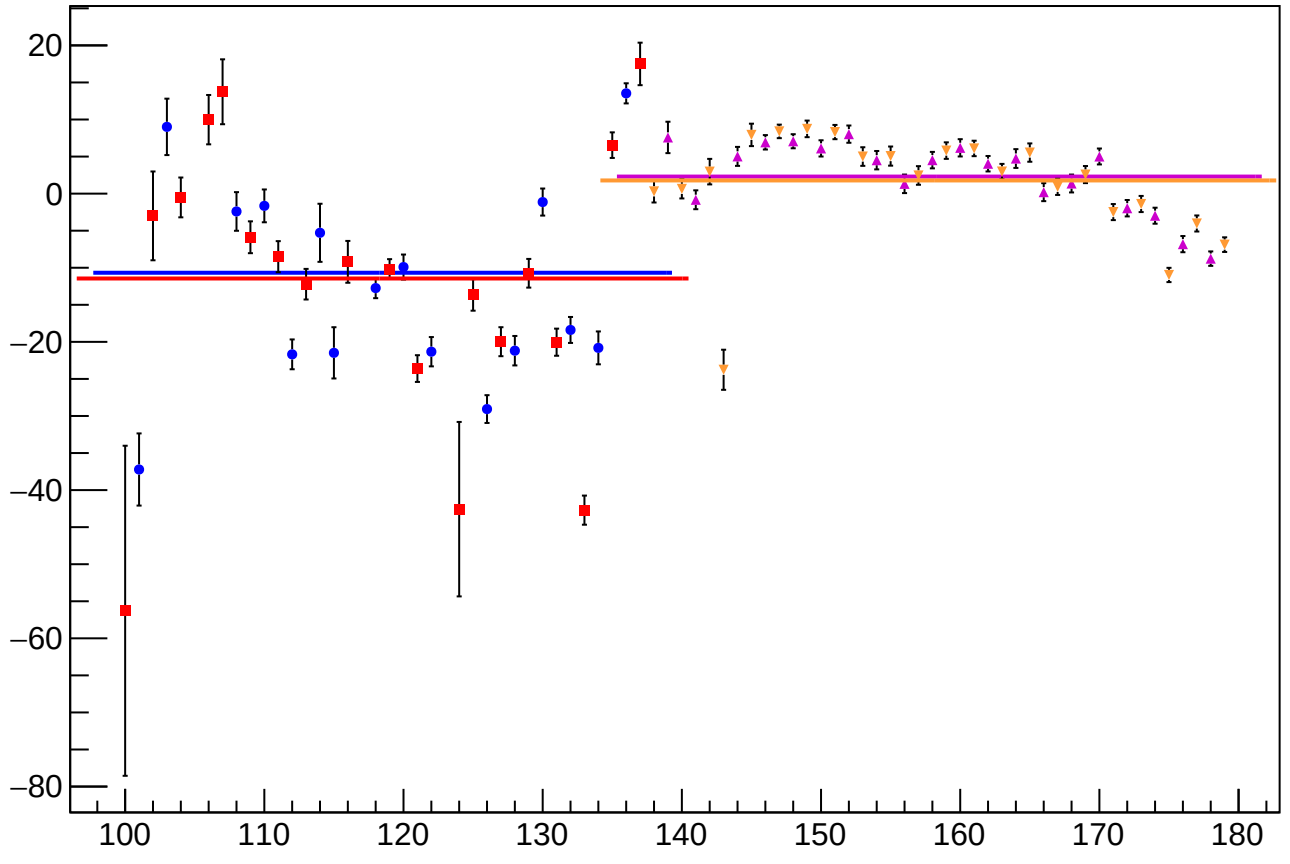
Left In: -9.843+/-0.299 χ^2/NDF:847.2/19

+ sign -22.603+/-0.250 χ^2/NDF: 11931.3/37

All: -21.594+/-0.179 χ^2/NDF: 20593.2/76

- sign -20.538+/-0.256 χ^2/NDF: 8628.5/38



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Left Out: 1.779+/-0.246 χ^2/NDF:605.6/21

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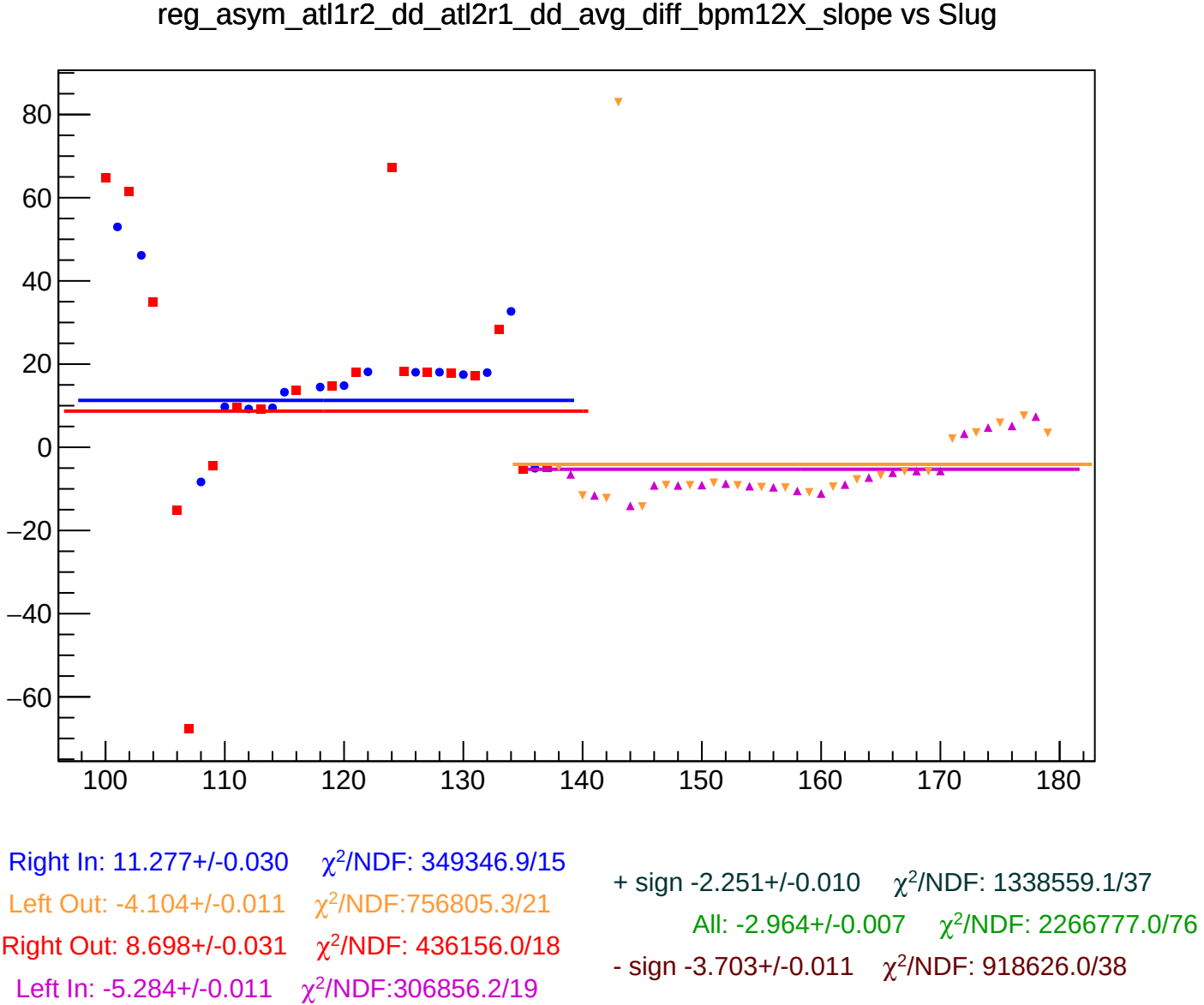

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Left Out: -4.104+/-0.011 χ^2/NDF:756805.3/21

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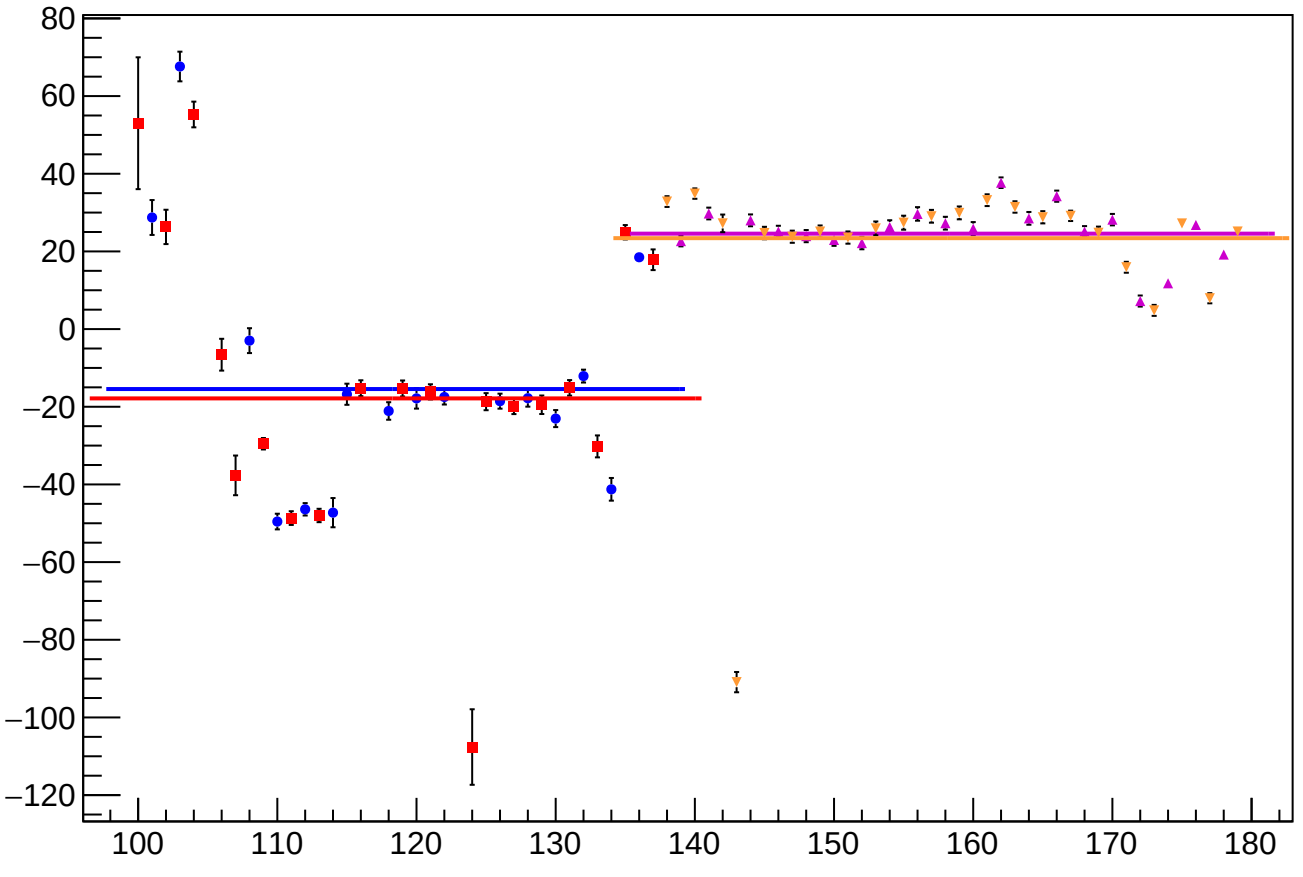
+ sign -2.251+/-0.010 χ^2/NDF: 1338559.1/37

All: -2.964+/-0.007 χ^2/NDF: 2266777.0/76

- sign -3.703+/-0.011 χ^2/NDF: 918626.0/38



Right In: -15.438+/-0.539 χ^2/NDF: 2124.2/15

Left Out: 23.414+/-0.316 χ^2/NDF:2531.7/21

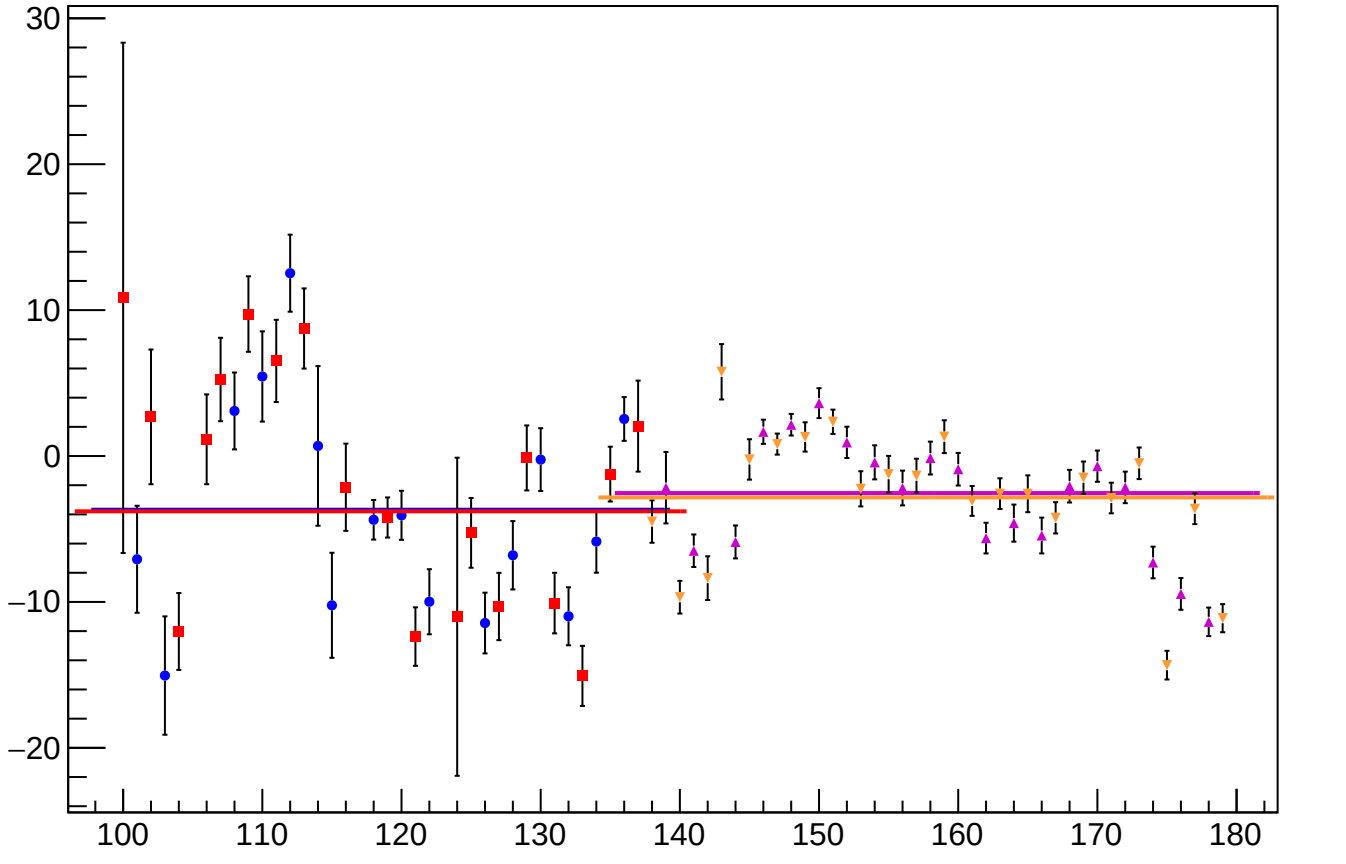
Right Out: -17.848+/-0.530 χ^2/NDF: 2125.2/18

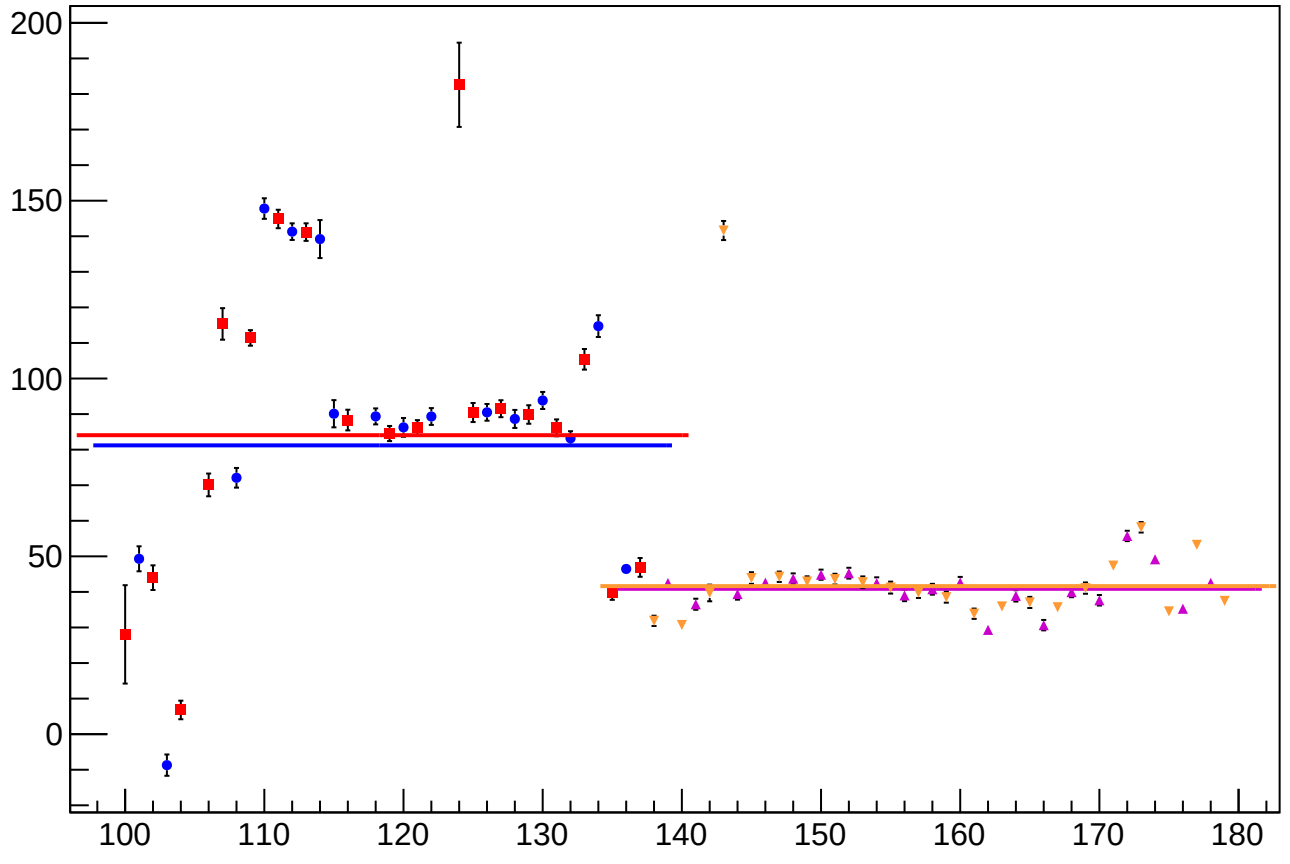
Left In: 24.575+/-0.324 χ^2/NDF:468.5/19

+ sign 13.472+/-0.273 χ^2/NDF: 8521.4/37

All: 13.238+/-0.194 χ^2/NDF: 15781.4/76

- sign 12.997+/-0.277 χ^2/NDF: 7258.5/38


reg_asym_at1_dd_at2_dd_avg_diff_bpm4aY_slope vs Slug
30
20
10
0
−10
−20
100
110
120
130
140
150
160
170
180
Right In: -3.679+/-0.552 χ²/NDF: 124.0/15
Left Out: -2.838+/-0.231 χ²/NDF:393.9/21
Right Out: -3.790+/-0.564 χ²/NDF: 161.2/18
Left In: -2.540+/-0.240 χ²/NDF:304.6/19
+ sign -2.964+/-0.213 χ²/NDF: 519.9/37
All: -2.852+/-0.154 χ²/NDF: 990.5/76
- sign -2.732+/-0.221 χ²/NDF: 470.0/38



Right In: 81.203+/-0.607 χ^2/NDF: 3230.5/15

Left Out: 41.628+/-0.311 χ^2/NDF:1865.4/21

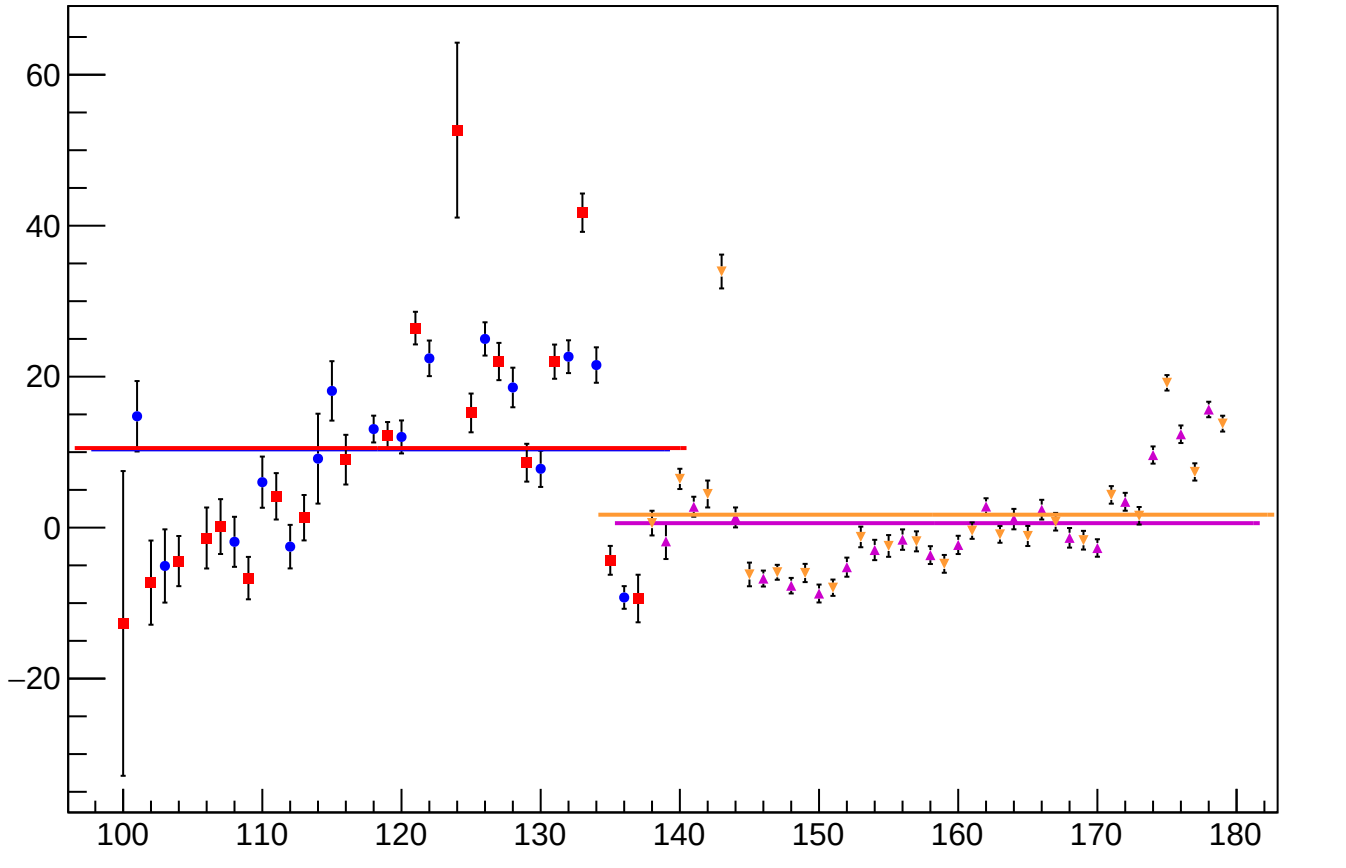
Right Out: 84.065+/-0.616 χ^2/NDF: 3206.5/18

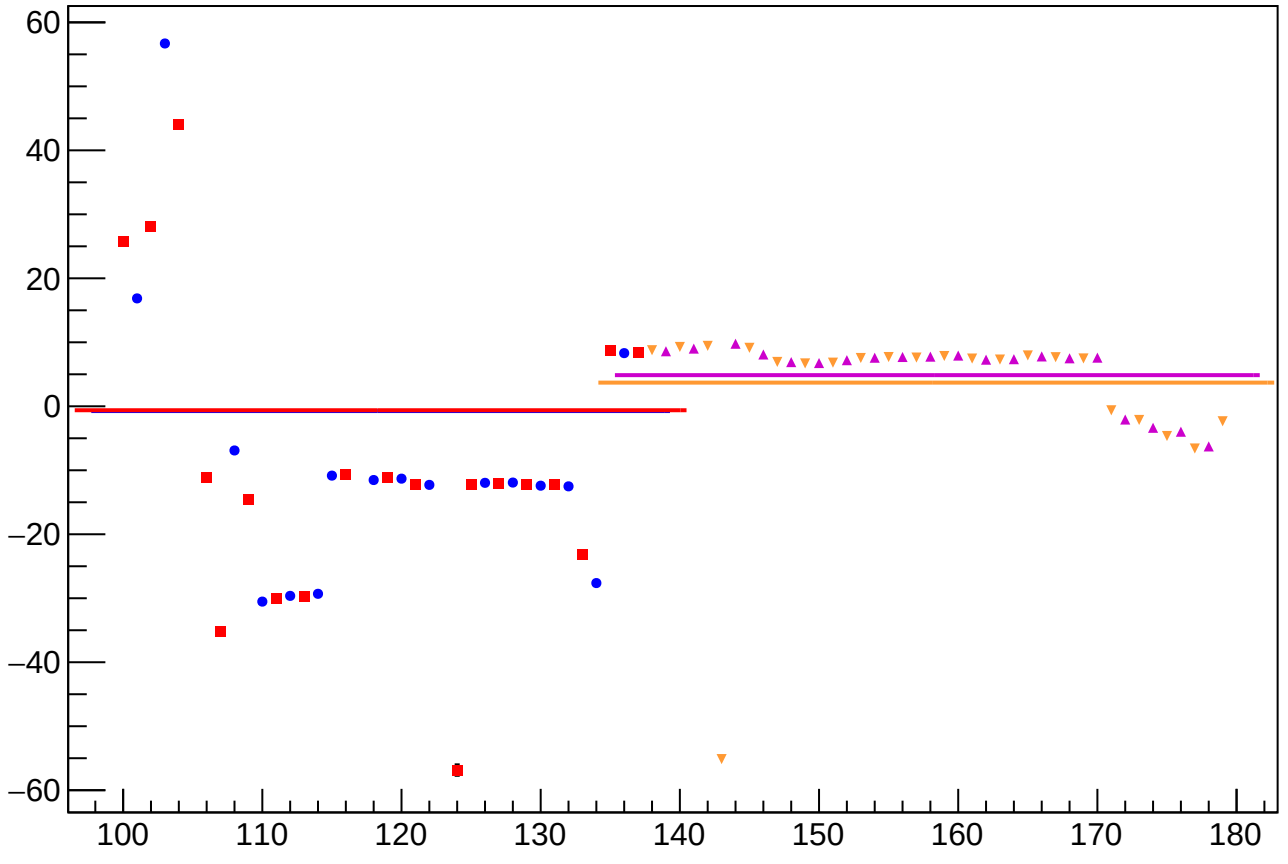
Left In: 40.873+/-0.320 χ^2/NDF:336.2/19

\+ sign 49.851+/-0.277 χ^2/NDF: 8462.7/37

All: 49.937+/-0.198 χ^2/NDF: 15876.5/76

\- sign 50.028+/-0.284 χ^2/NDF: 7413.6/38


reg_asym_at1_dd_at2_dd_avg_diff_bpm4eY_slope vs Slug
60
40
20
0
−20
100
110
120
130
140
150
160
170
180
Right In: 10.367+/-0.627 χ²/NDF: 359.8/15
Left Out: 1.714+/-0.263 χ²/NDF:953.5/21
Right Out: 10.539+/-0.640 χ²/NDF: 470.7/18
Left In: 0.591+/-0.272 χ²/NDF:630.7/19
+ sign 3.011+/-0.243 χ²/NDF: 1475.5/37
All: 2.578+/-0.174 χ²/NDF: 2787.9/76
- sign 2.115+/-0.251 χ²/NDF: 1305.9/38



Right In: -0.745+/-0.036 χ^2/NDF: 367993.9/15

Left Out: 3.700+/-0.012 χ^2/NDF:476608.4/21

Right Out: -0.618+/-0.037 χ^2/NDF: 316492.6/18

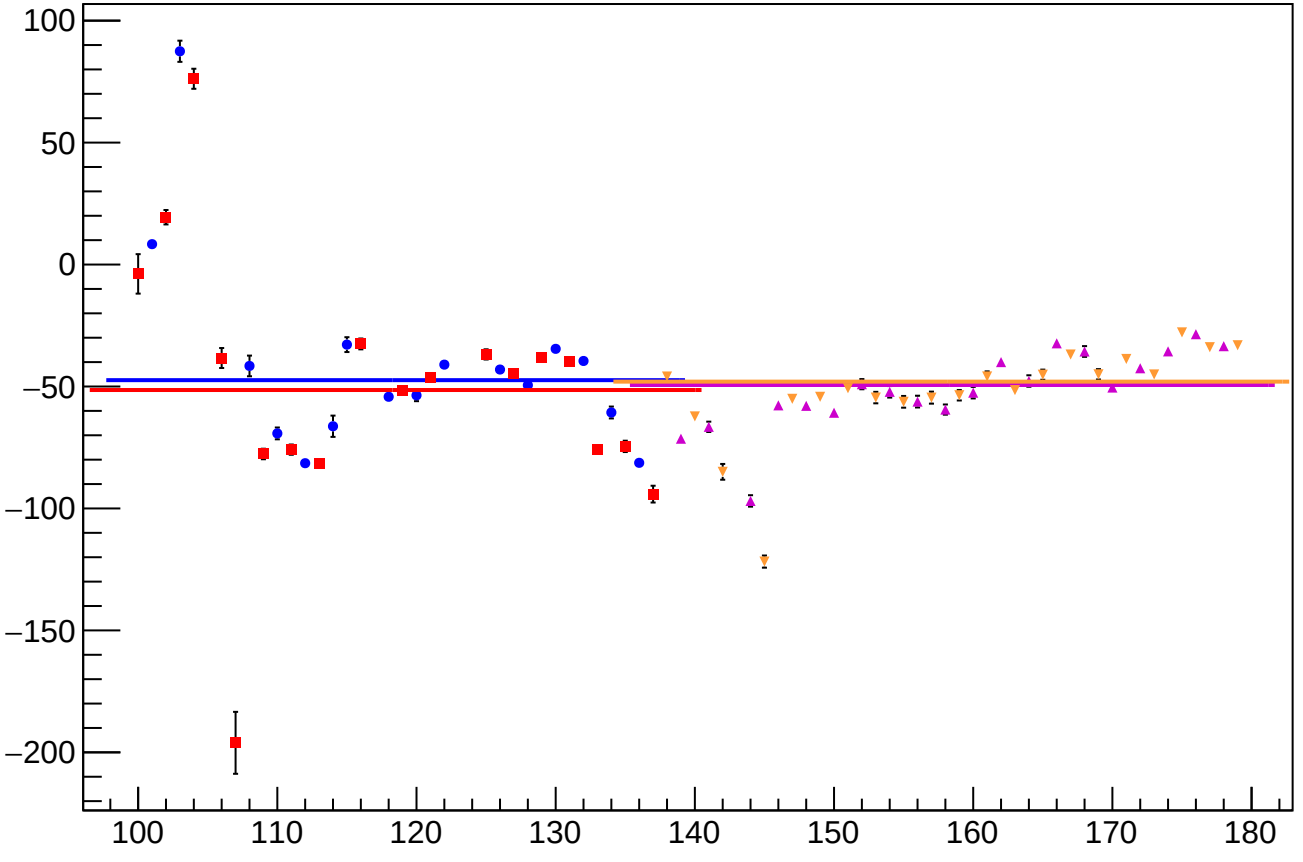
Left In: 4.867+/-0.012 χ^2/NDF:181365.4/19

+ sign 3.263+/-0.011 χ^2/NDF: 858441.6/37

All: 3.799+/-0.008 χ^2/NDF: 1380480.9/76

- sign 4.353+/-0.011 χ^2/NDF: 517422.3/38

reg_asym_usl_atl1_avg_diff_bpm1X_slope vs Slug



Right In: -47.398+/-0.535 χ^2/NDF: 2769.0/15

Left Out: -48.004+/-0.429 χ^2/NDF:1554.9/20

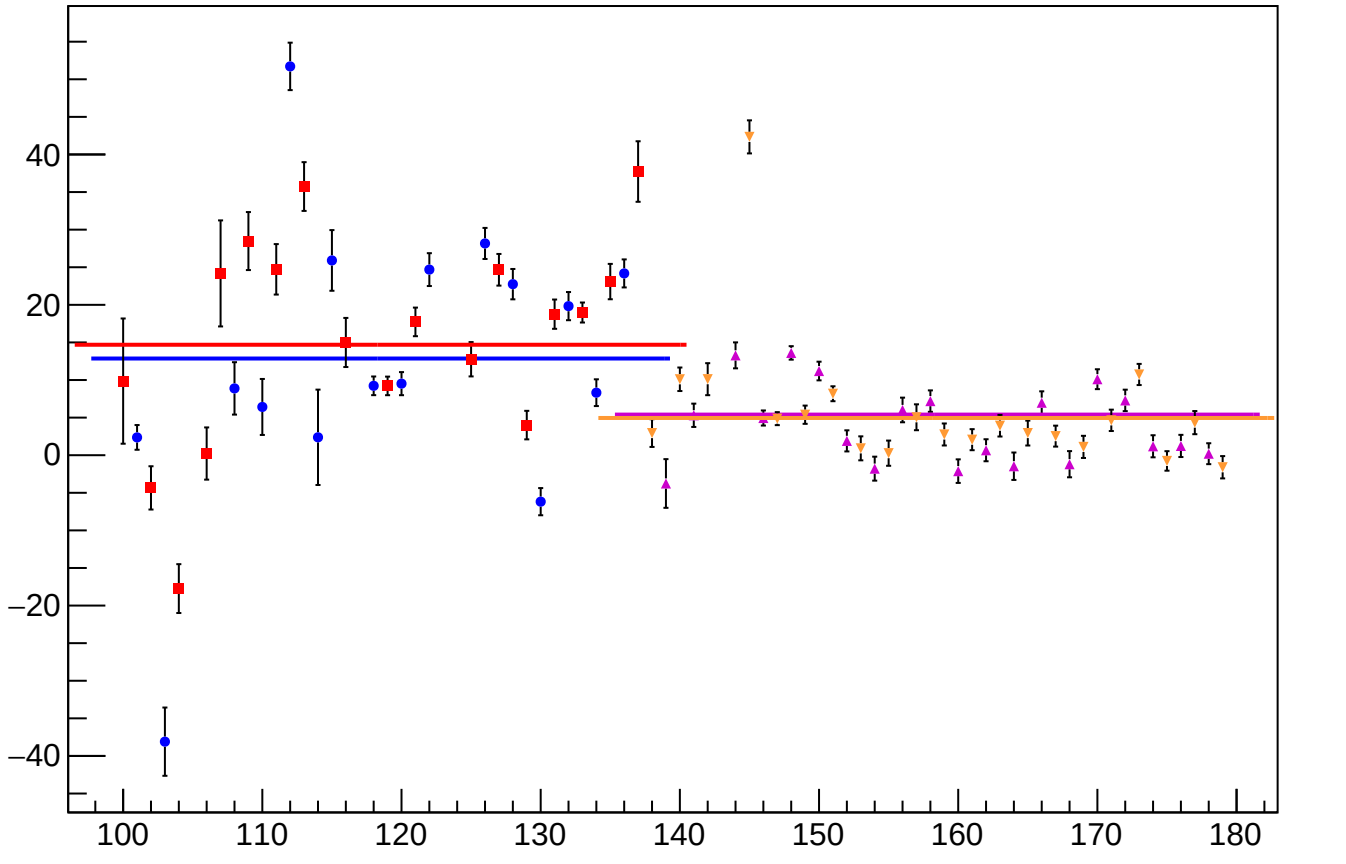
Right Out: -51.442+/-0.545 χ^2/NDF: 2872.7/17

Left In: -49.381+/-0.435 χ^2/NDF:1243.9/19

\+ sign -47.767+/-0.335 χ^2/NDF: 4324.7/36

All: -48.956+/-0.239 χ^2/NDF: 8475.7/74

\- sign -50.183+/-0.340 χ^2/NDF: 4125.4/37



Right In: 12.860+/-0.519 χ^2/NDF: 625.5/15

Left Out: 4.952+/-0.308 χ^2/NDF:406.1/20

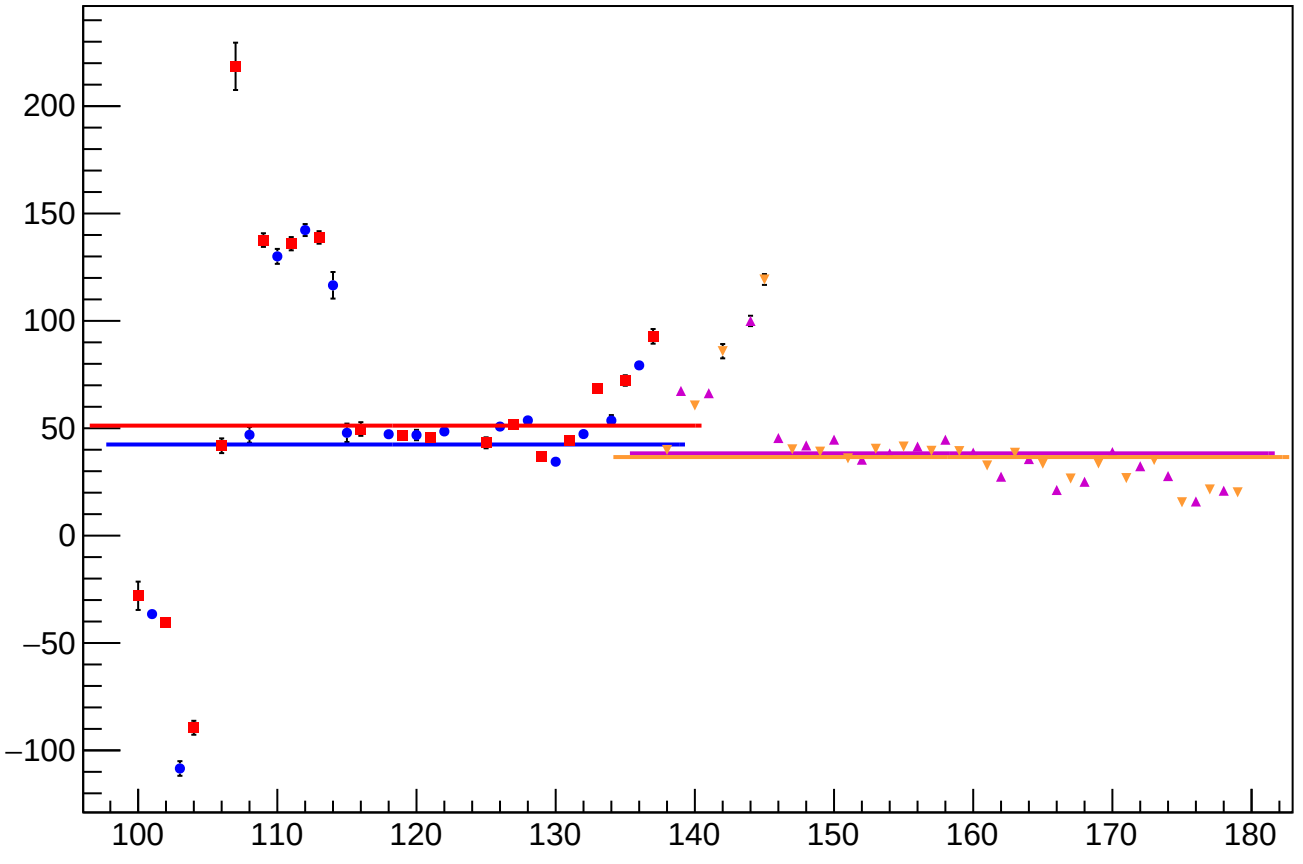
Right Out: 14.691+/-0.544 χ^2/NDF: 364.1/17

Left In: 5.401+/-0.317 χ^2/NDF:270.7/19

\+ sign 7.016+/-0.265 χ^2/NDF: 1203.4/36

All: 7.374+/-0.191 χ^2/NDF: 2059.5/74

\- sign 7.756+/-0.274 χ^2/NDF: 852.3/37



Right In: 42.437+/-0.584 χ^2/NDF: 7168.9/15

Left Out: 36.582+/-0.421 χ^2/NDF:1944.2/20

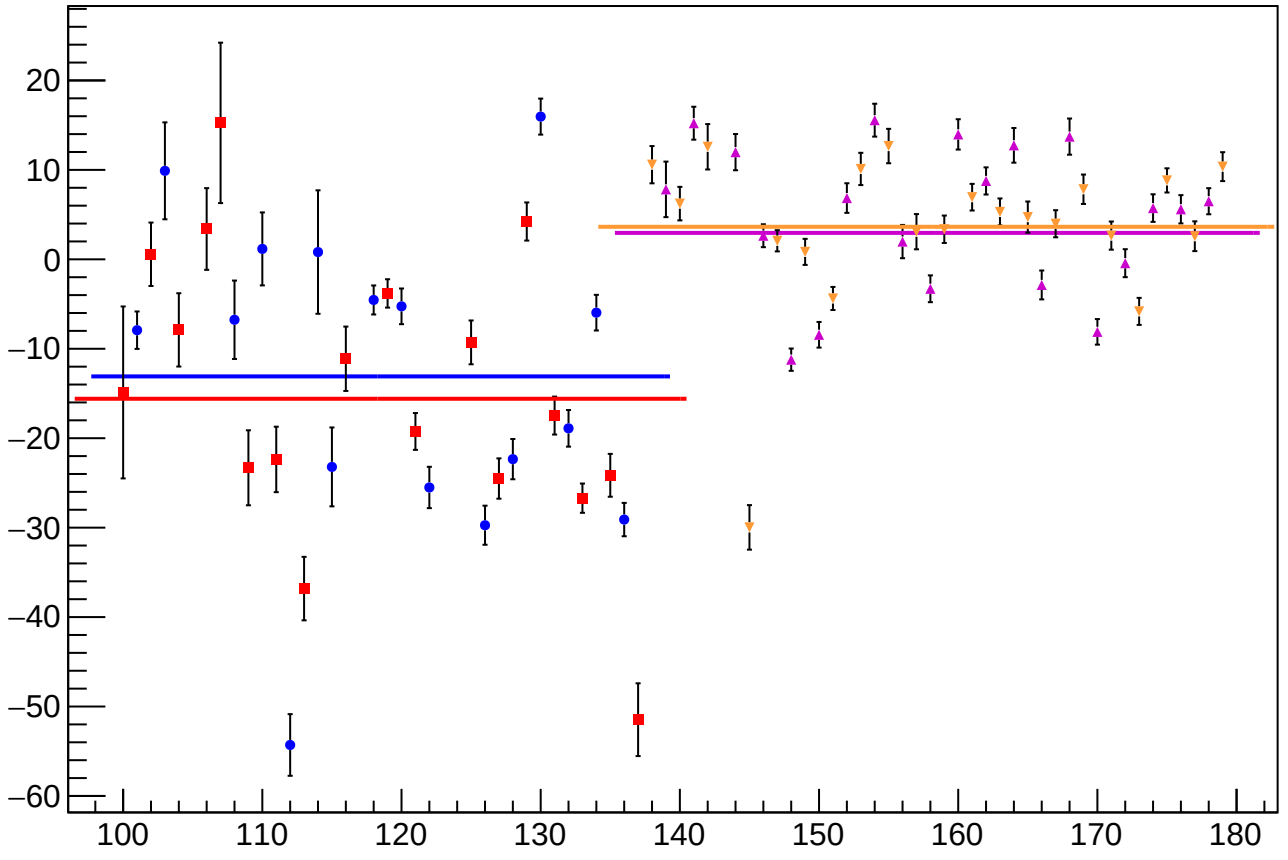
Right Out: 51.226+/-0.615 χ^2/NDF: 6611.3/17

Left In: 38.316+/-0.428 χ^2/NDF:1631.8/19

+ sign 38.584+/-0.342 χ^2/NDF: 9179.2/36

All: 40.502+/-0.245 χ^2/NDF: 17784.2/74

- sign 42.526+/-0.351 χ^2/NDF: 8540.3/37



Right In: -13.090+/-0.600 χ^2/NDF: 639.9/15

Left Out: 3.637+/-0.353 χ^2/NDF:371.7/20

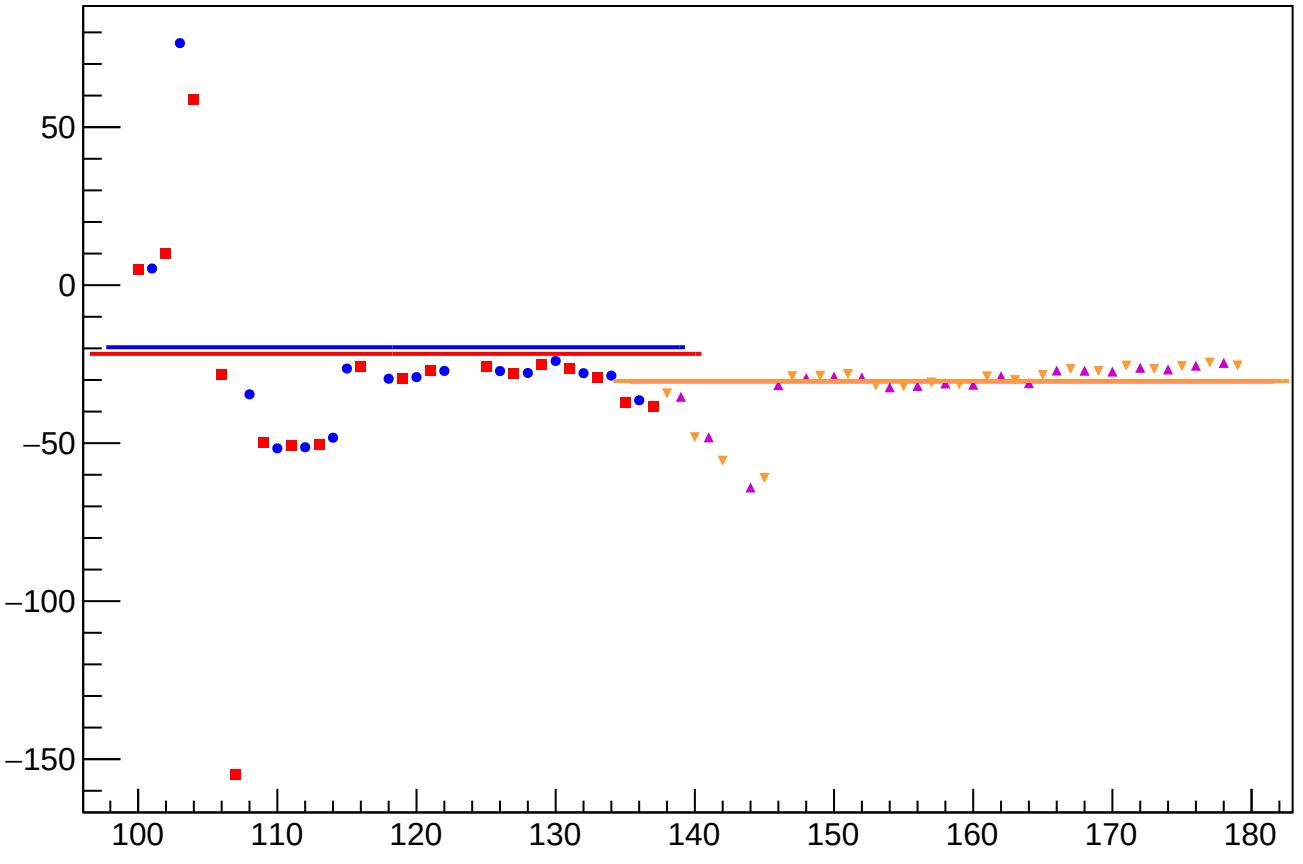
Right Out: -15.589+/-0.627 χ^2/NDF: 401.8/17

Left In: 2.957+/-0.362 χ^2/NDF:529.4/19

+ sign -0.665+/-0.304 χ^2/NDF: 1589.5/36

All: -1.156+/-0.218 χ^2/NDF: 3182.8/74

- sign -1.677+/-0.313 χ^2/NDF: 1587.9/37



Right In: -19.644+/-0.036 χ^2/NDF: 646925.7/15

Left Out: -30.343+/-0.016 χ^2/NDF:210962.3/20

Right Out: -21.730+/-0.039 χ^2/NDF: 546659.9/17

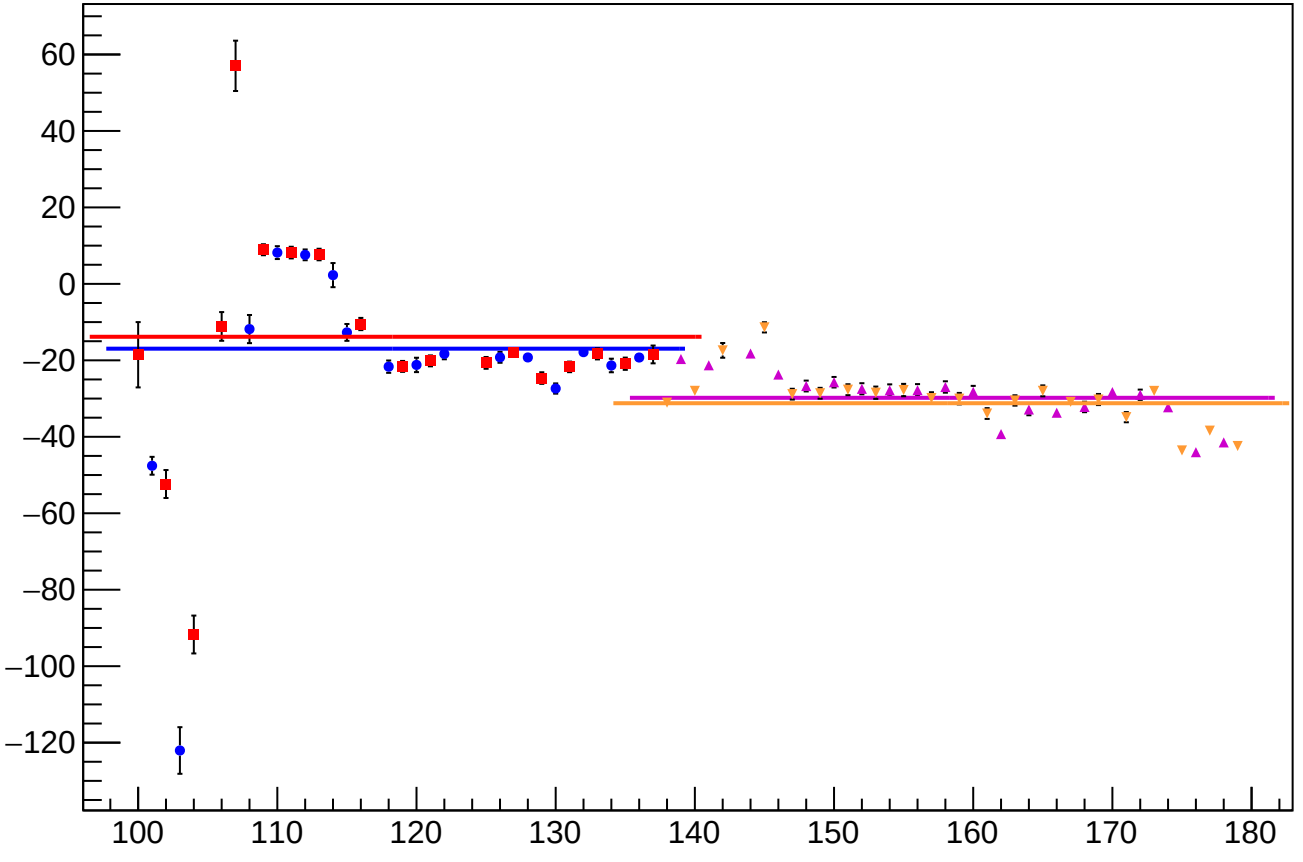
Left In: -30.447+/-0.016 χ^2/NDF:171444.2/19

+ sign -28.576+/-0.015 χ^2/NDF: 931169.6/36

All: -28.868+/-0.010 χ^2/NDF: 1692954.7/74

- sign -29.169+/-0.015 χ^2/NDF: 760980.9/37

reg_asym_usl_atl1_dd_diff_bpm1X_slope vs Slug



Right In: -16.949+/-0.404 χ^2/NDF: 1128.2/15

Left Out: -31.218+/-0.293 χ^2/NDF:616.7/20

Right Out: -13.837+/-0.409 χ^2/NDF: 1333.2/17

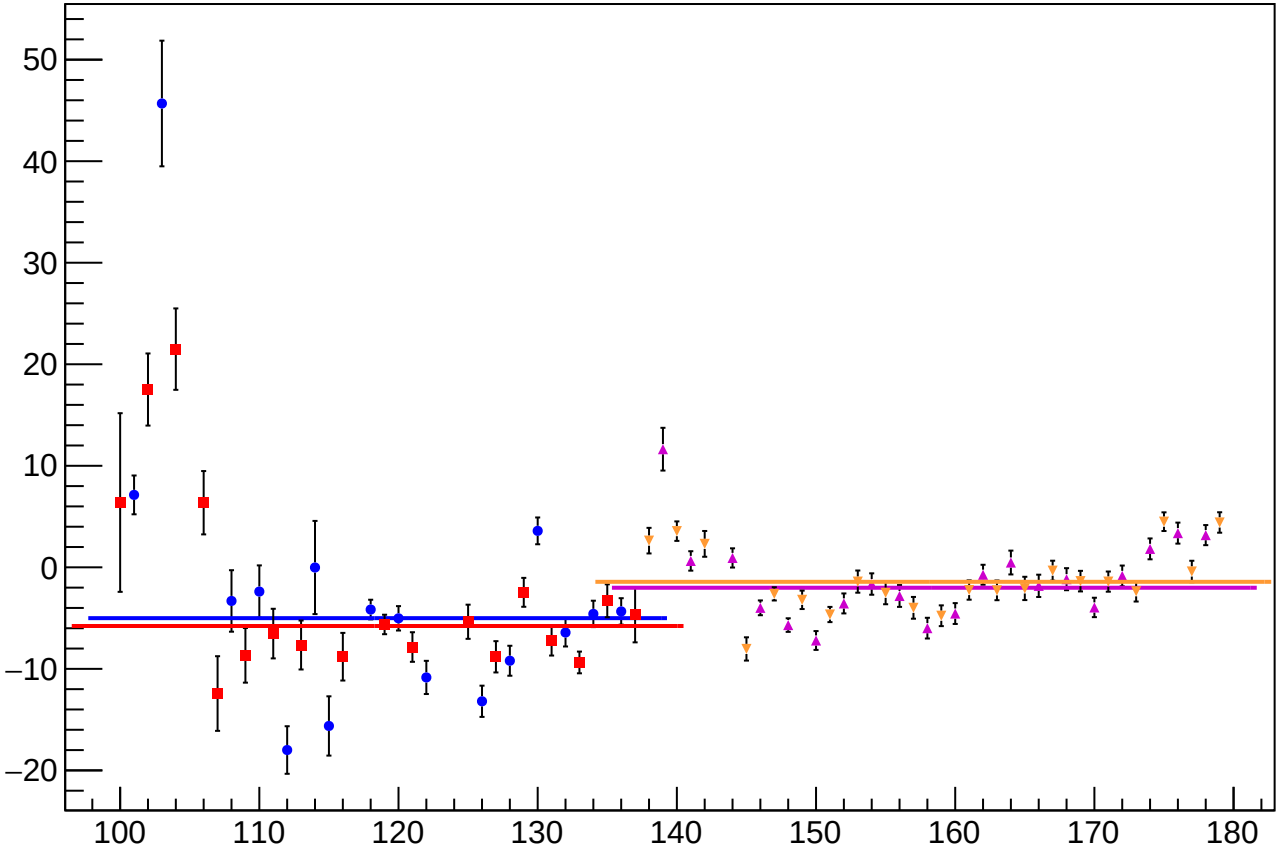
Left In: -29.801+/-0.297 χ^2/NDF:589.3/19

+ sign -26.302+/-0.237 χ^2/NDF: 2563.1/36

All: -25.312+/-0.169 χ^2/NDF: 5517.9/74

- sign -24.295+/-0.240 χ^2/NDF: 2919.5/37

reg_asym_usl_atl1_dd_diff_bpm4aY_slope vs Slug



Right In: -5.006+/-0.401 χ^2/NDF: 247.8/15

Left Out: -1.427+/-0.214 χ^2/NDF:202.3/20

Right Out: -5.779+/-0.419 χ^2/NDF: 139.3/17

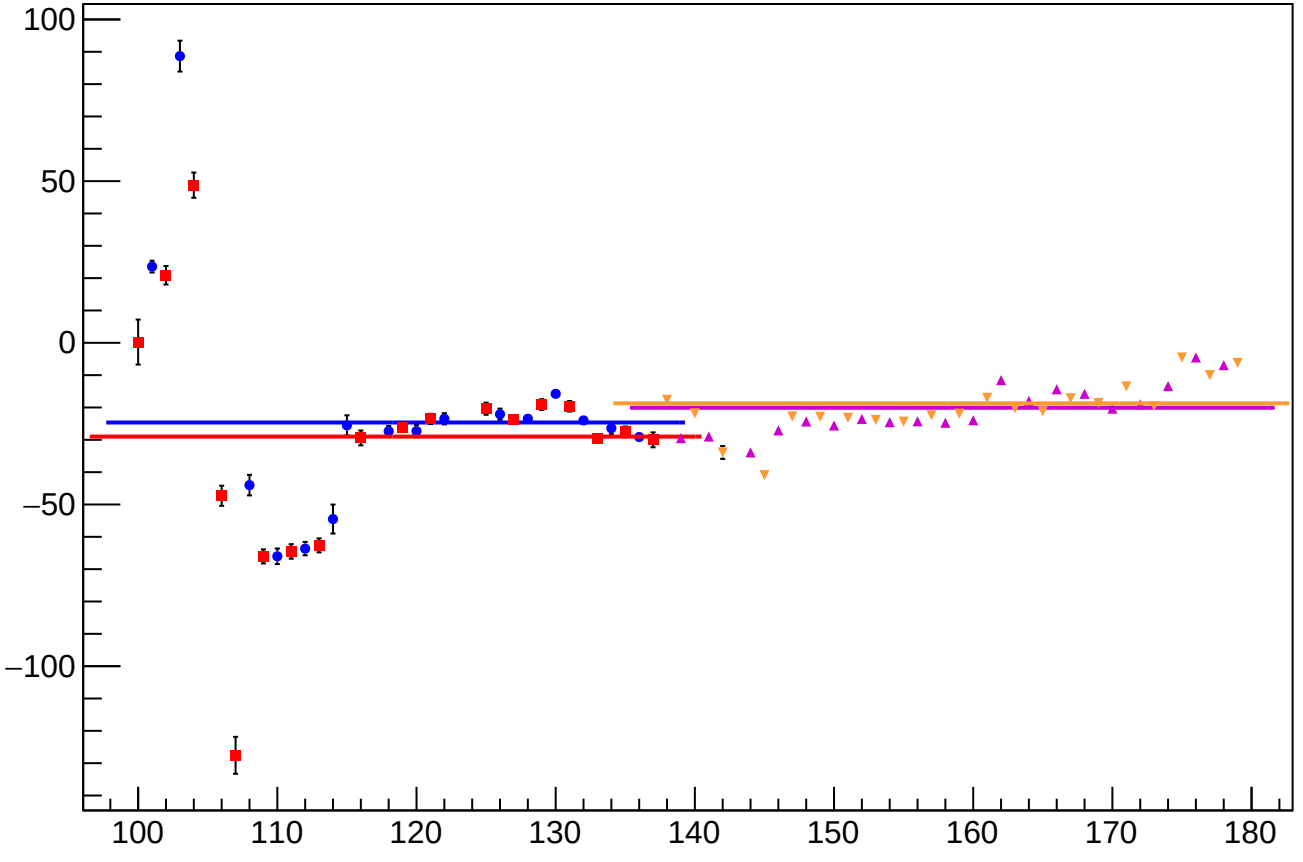
Left In: -2.011+/-0.219 χ^2/NDF:233.3/19

+ sign -2.217+/-0.189 χ^2/NDF: 512.0/36

All: -2.509+/-0.135 χ^2/NDF: 953.0/74

- sign -2.819+/-0.194 χ^2/NDF: 436.1/37

reg_asym_usl_atl1_dd_diff_bpm4eX_slope vs Slug



Right In: -24.641+/-0.455 χ^2/NDF: 2051.8/15

Left Out: -18.707+/-0.288 χ^2/NDF:813.5/20

Right Out: -29.002+/-0.475 χ^2/NDF: 1952.3/17

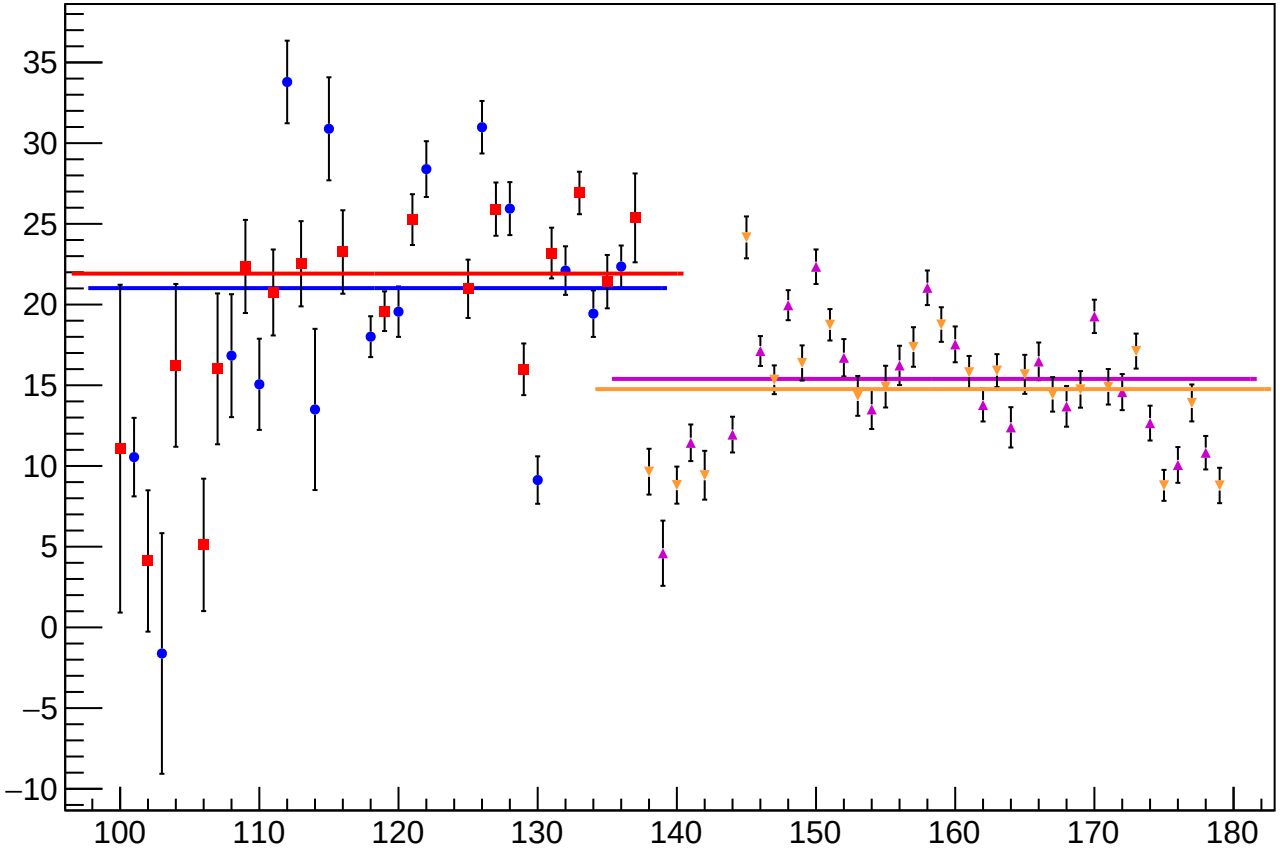
Left In: -20.082+/-0.292 χ^2/NDF:757.1/19

\+ sign -20.405+/-0.243 χ^2/NDF: 2986.8/36

All: -21.444+/-0.174 χ^2/NDF: 5989.1/74

\- sign -22.533+/-0.249 χ^2/NDF: 2965.0/37

reg_asym_usl_atl1_dd_diff_bpm4eY_slope vs Slug



Right In: 21.019+/-0.458 χ^2/NDF: 209.6/15

Left Out: 14.761+/-0.243 χ^2/NDF:219.3/20

Right Out: 21.918+/-0.478 χ^2/NDF: 82.5/17

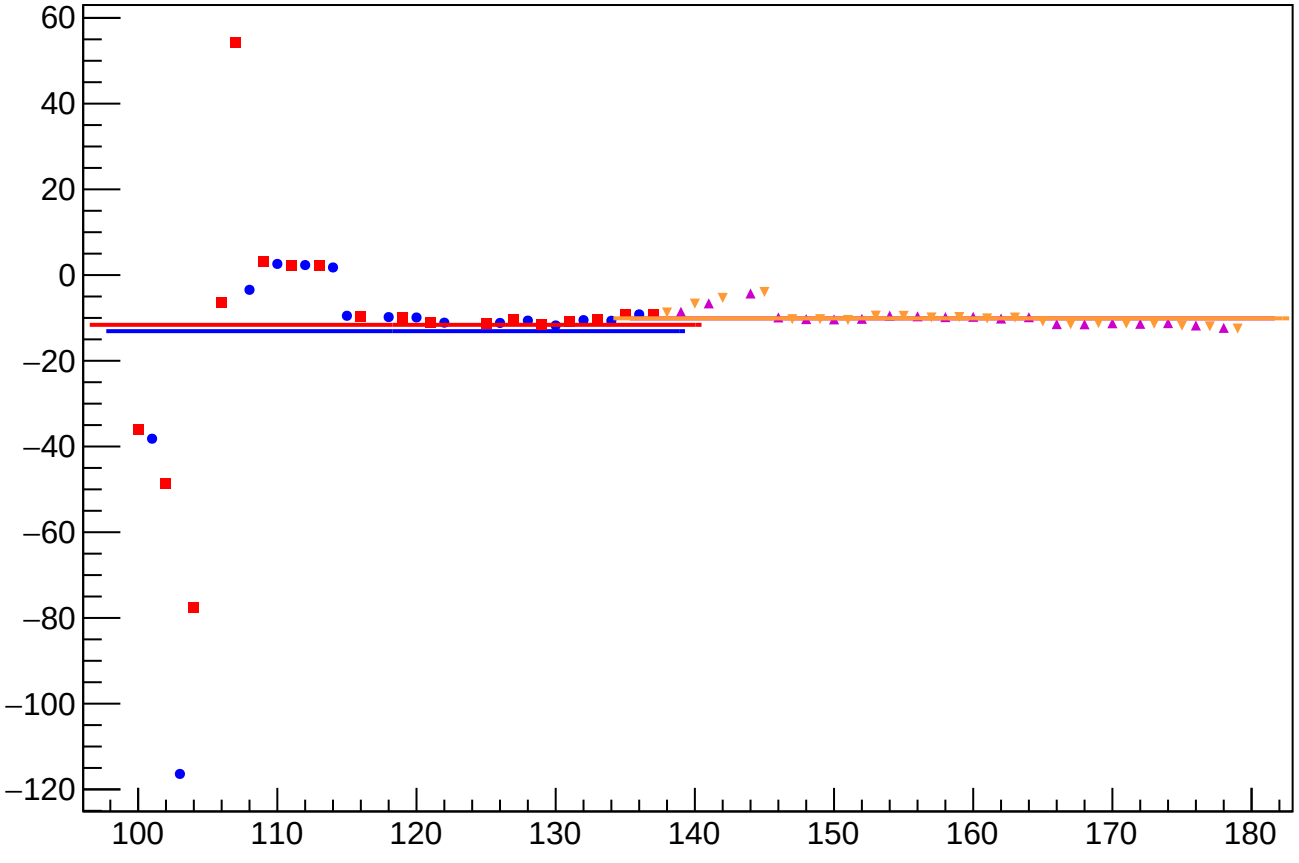
Left In: 15.393+/-0.249 χ^2/NDF:230.4/19

+ sign 16.139+/-0.215 χ^2/NDF: 574.4/36

All: 16.453+/-0.154 χ^2/NDF: 1038.1/74

- sign 16.785+/-0.221 χ^2/NDF: 459.3/37

reg_asym_usl_atl1_dd_diff_bpm12X_slope vs Slug



Right In: -13.086+/-0.028 χ^2/NDF: 344941.2/15

Left Out: -10.099+/-0.011 χ^2/NDF:30466.5/20

Right Out: -11.610+/-0.031 χ^2/NDF: 314183.9/17

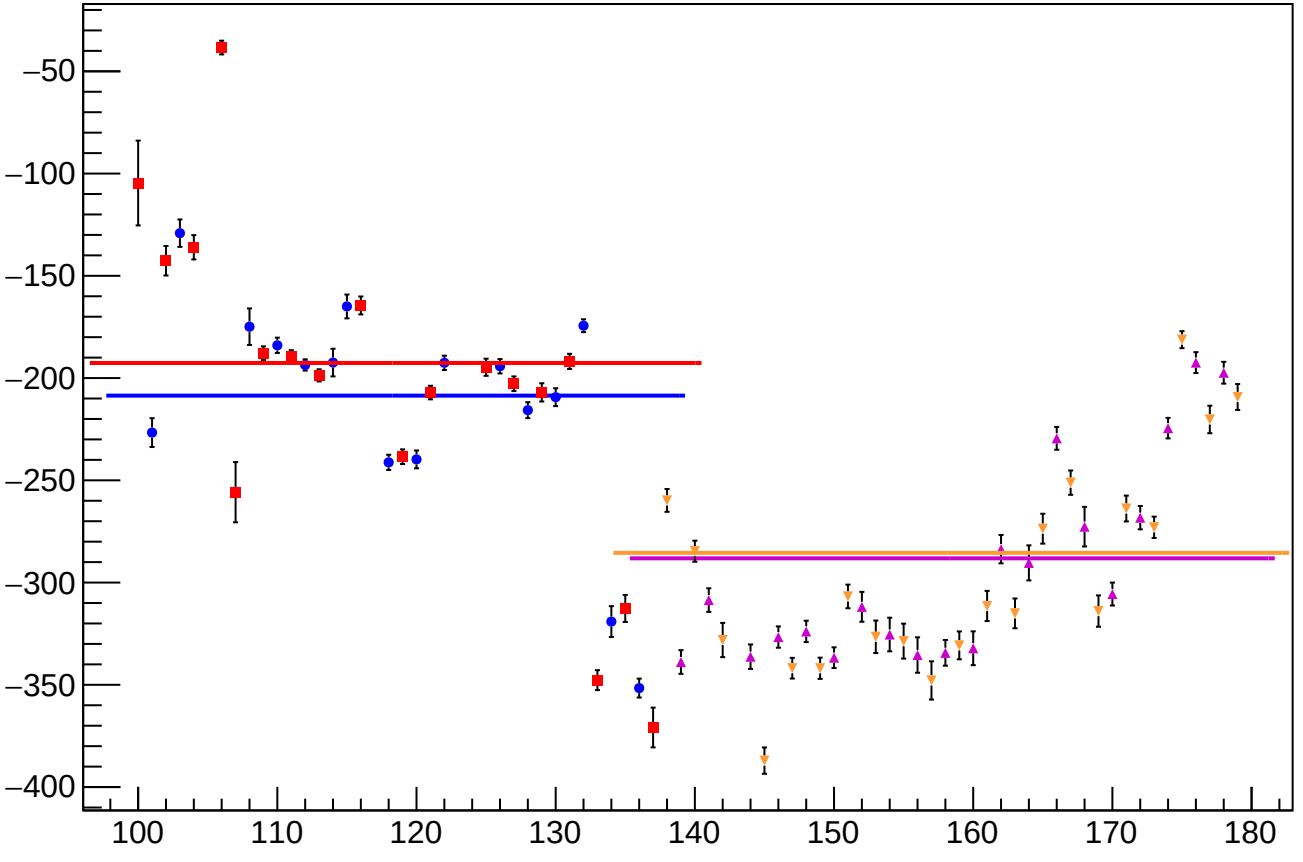
Left In: -10.109+/-0.011 χ^2/NDF:22387.2/19

+ sign -10.486+/-0.010 χ^2/NDF: 385028.0/36

All: -10.383+/-0.007 χ^2/NDF: 723899.3/74

- sign -10.278+/-0.010 χ^2/NDF: 338666.4/37

reg_asym_usl_atl2_avg_diff_bpm1X_slope vs Slug



Right In: -208.586+/-1.067 χ^2/NDF: 1751.1/15

Left Out: -285.465+/-1.355 χ^2/NDF:1658.9/20

Right Out: -192.617+/-0.999 χ^2/NDF: 4207.1/17

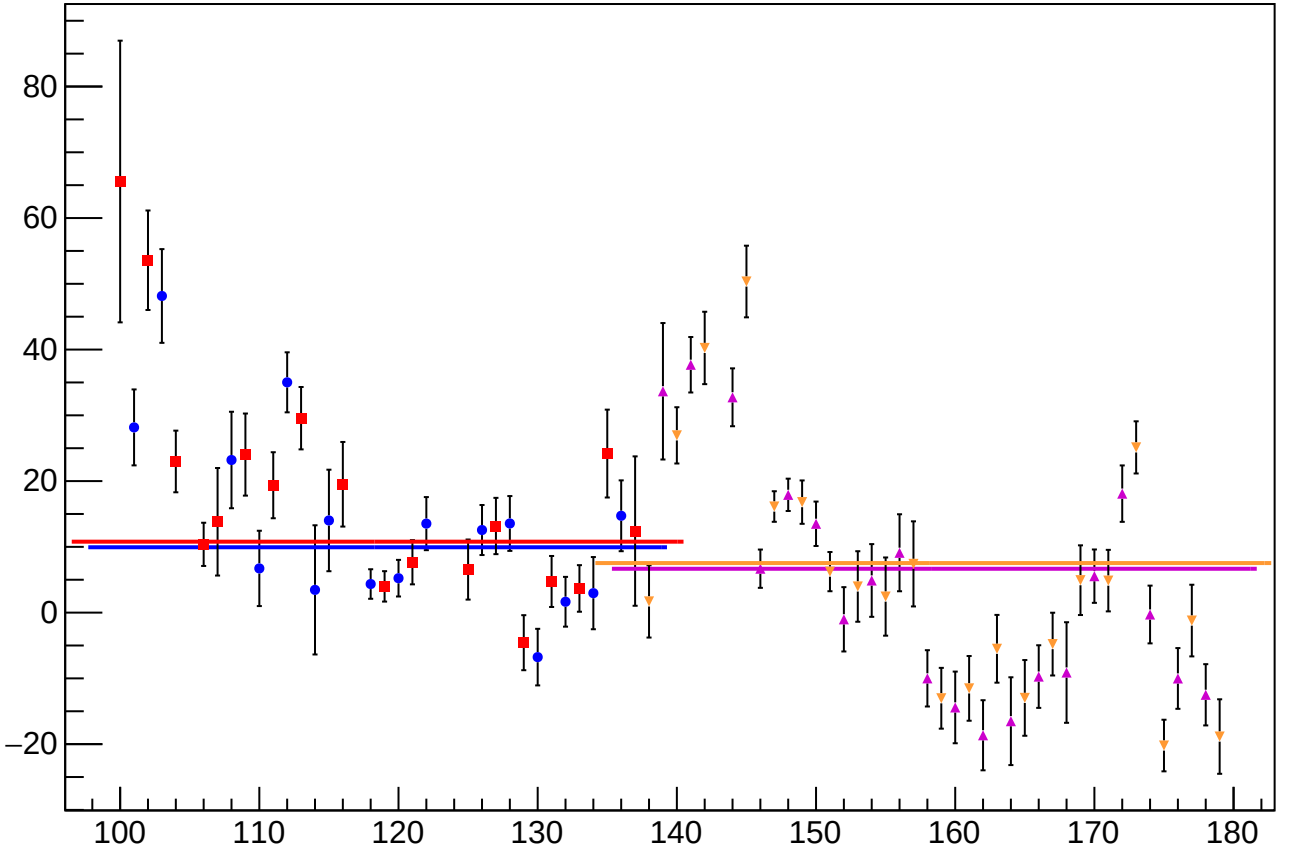
Left In: -288.151+/-1.360 χ^2/NDF:1429.1/19

+ sign -238.003+/-0.838 χ^2/NDF: 5398.3/36

All: -231.806+/-0.581 χ^2/NDF: 14344.4/74

- sign -226.085+/-0.805 χ^2/NDF: 8840.9/37

reg_asym_usl_atl2_avg_diff_bpm4aY_slope vs Slug



Right In: 9.938+/-1.065 χ^2/NDF: 106.6/15

Left Out: 7.536+/-0.951 χ^2/NDF:296.8/20

Right Out: 10.788+/-1.044 χ^2/NDF: 105.1/17

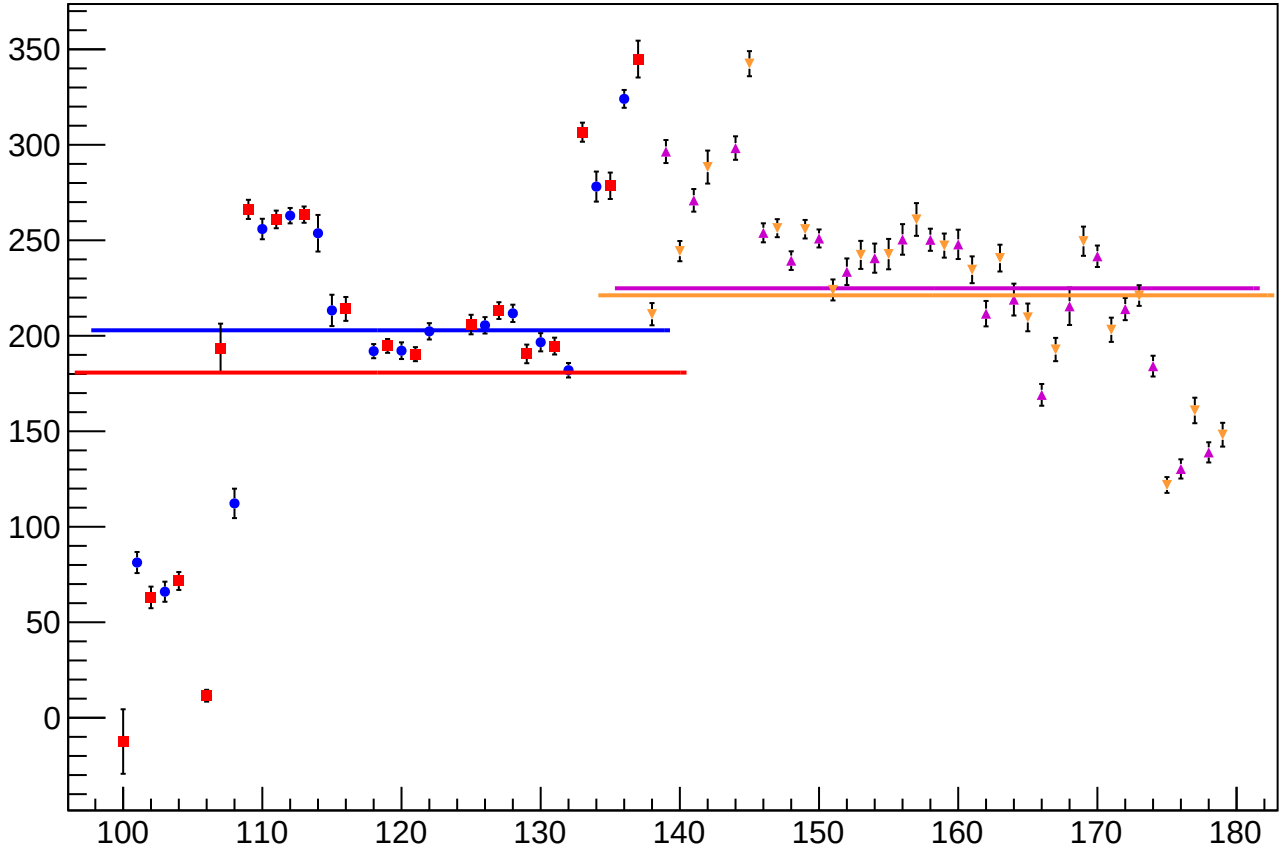
Left In: 6.667+/-0.972 χ^2/NDF:244.3/19

+ sign 8.601+/-0.710 χ^2/NDF: 406.2/36

All: 8.591+/-0.502 χ^2/NDF: 763.9/74

- sign 8.581+/-0.711 χ^2/NDF: 357.7/37

reg_asym_usl_atl2_avg_diff_bpm4eX_slope vs Slug



Right In: 202.874+/-1.226 χ^2/NDF: 2464.2/15

Left Out: 221.189+/-1.331 χ^2/NDF:1435.8/20

Right Out: 180.731+/-1.144 χ^2/NDF: 6347.9/17

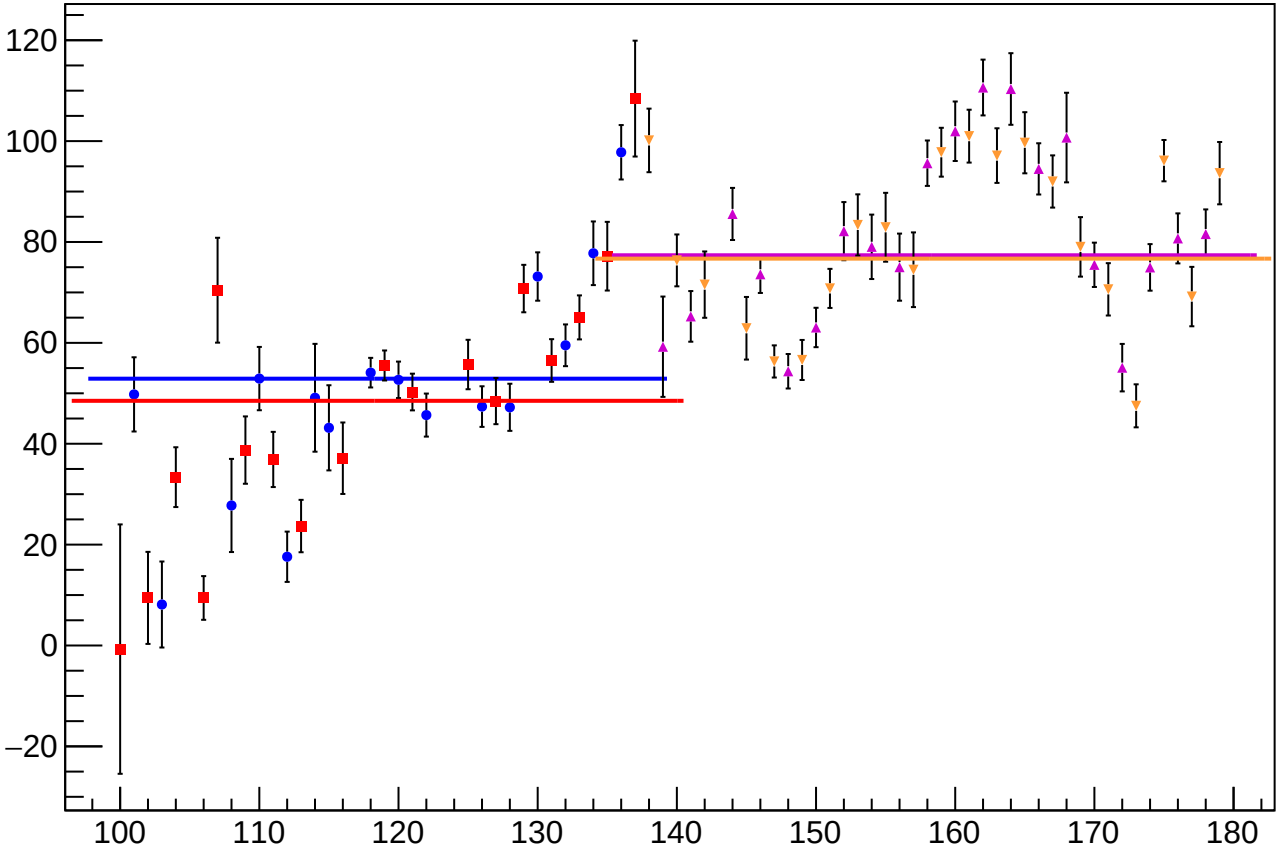
Left In: 224.875+/-1.338 χ^2/NDF:1248.6/19

+ sign 211.277+/-0.902 χ^2/NDF: 4002.5/36

All: 205.103+/-0.626 χ^2/NDF: 12318.2/74

- sign 199.361+/-0.869 χ^2/NDF: 8225.3/37

reg_asym_usl_atl2_avg_diff_bpm4eY_slope vs Slug



Right In: 52.899+/-1.242 χ^2/NDF: 198.3/15

Left Out: 76.698+/-1.104 χ^2/NDF:248.1/20

Right Out: 48.510+/-1.214 χ^2/NDF: 240.0/17

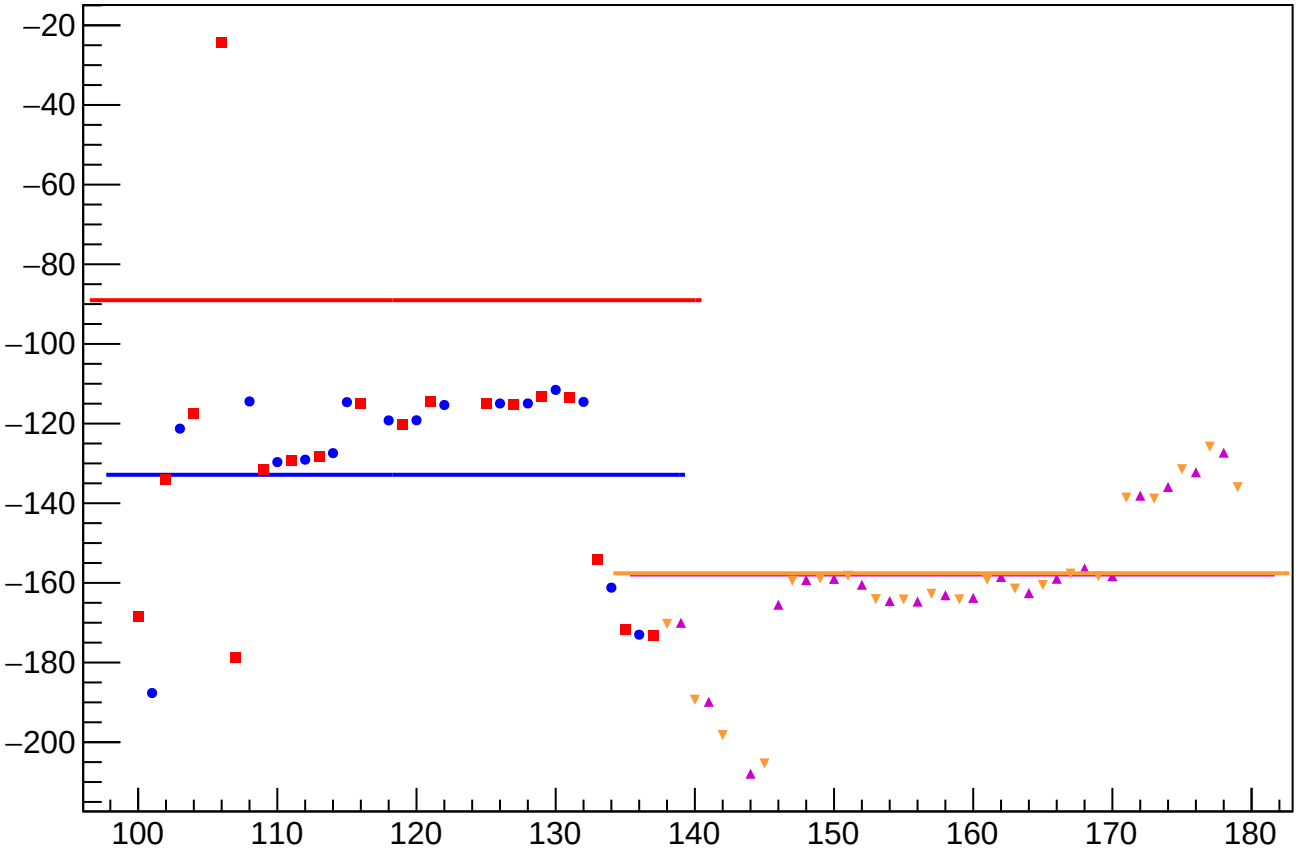
Left In: 77.367+/-1.120 χ^2/NDF:206.1/19

+ sign 66.190+/-0.825 χ^2/NDF: 651.6/36

All: 65.142+/-0.583 χ^2/NDF: 1406.0/74

- sign 64.099+/-0.823 χ^2/NDF: 751.2/37

reg_asym_usl_atl2_avg_diff_bpm12X_slope vs Slug



Right In: -132.856+/-0.081 χ^2/NDF: 93497.9/15

Left Out: -157.578+/-0.052 χ^2/NDF:129782.8/20

Right Out: -89.020+/-0.064 χ^2/NDF: 728110.1/17

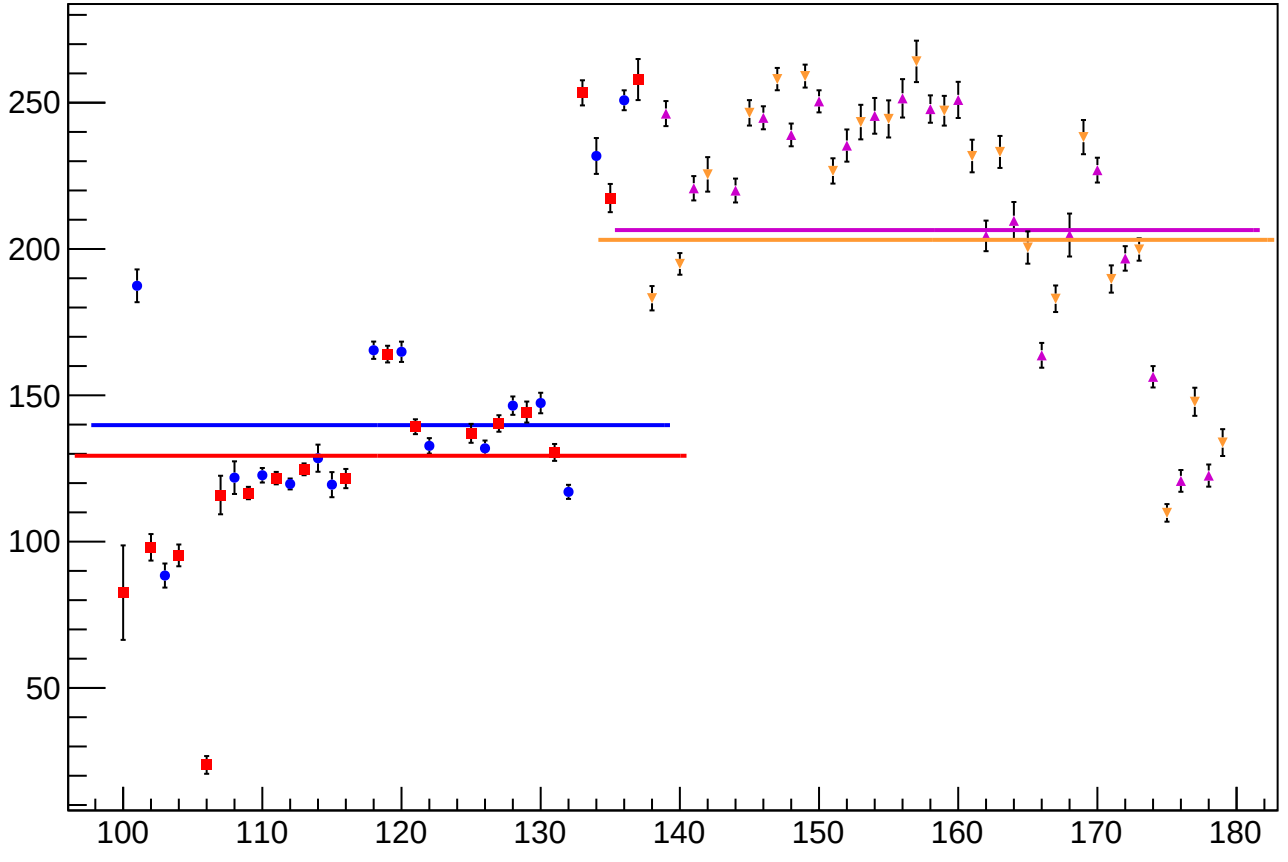
Left In: -157.894+/-0.051 χ^2/NDF:112012.2/19

+ sign -150.487+/-0.044 χ^2/NDF: 289137.5/36

All: -140.002+/-0.029 χ^2/NDF: 1941126.2/74

- sign -131.182+/-0.040 χ^2/NDF: 1545366.6/37

reg_asym_usl_atl2_dd_diff_bpm1X_slope vs Slug



Right In: 139.810+/-0.785 χ^2/NDF: 1964.9/15

Left Out: 203.125+/-0.998 χ^2/NDF:2267.0/20

Right Out: 129.344+/-0.734 χ^2/NDF: 3123.5/17

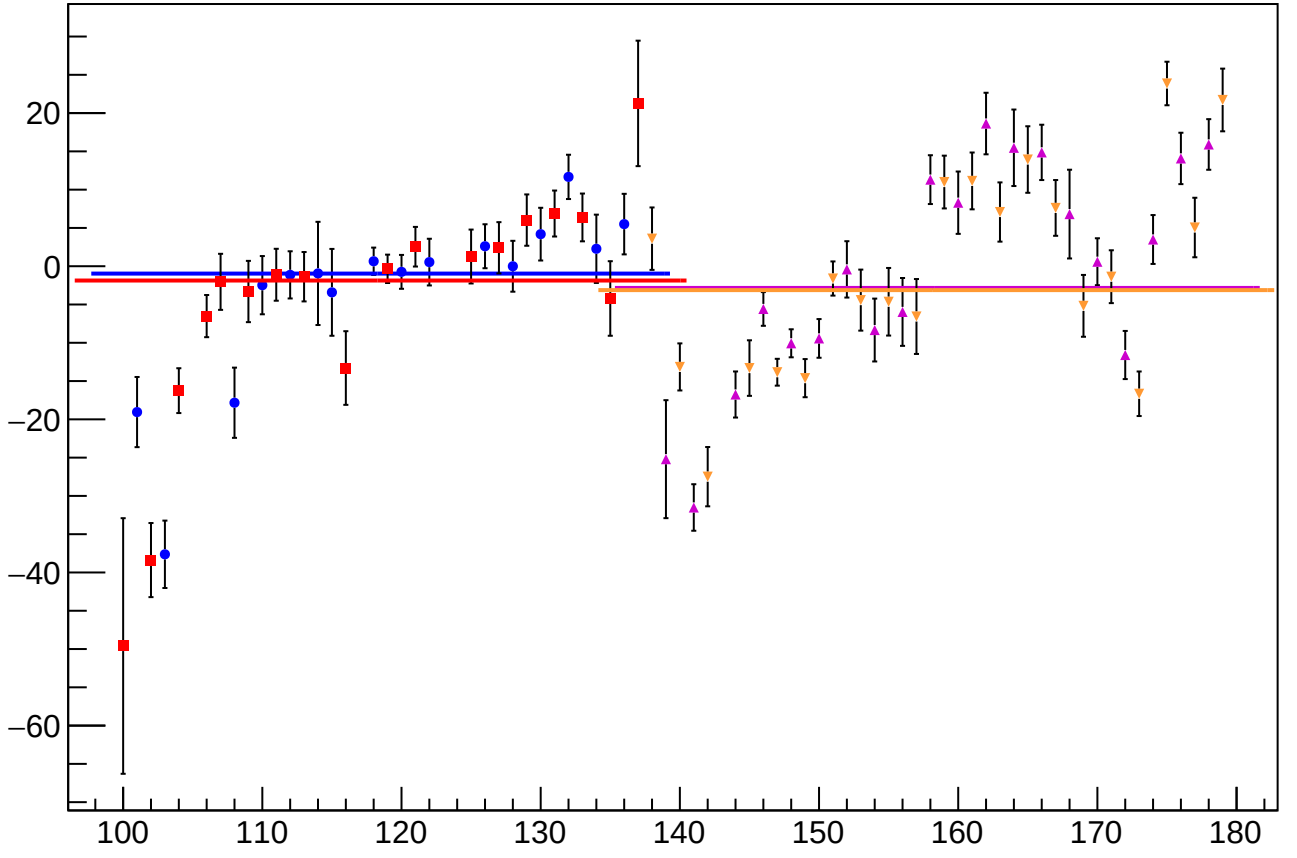
Left In: 206.465+/-1.003 χ^2/NDF:1997.2/19

+ sign 163.998+/-0.617 χ^2/NDF: 6719.9/36

All: 159.964+/-0.427 χ^2/NDF: 15770.3/74

- sign 156.240+/-0.593 χ^2/NDF: 8968.2/37

reg_asym_usl_atl2_dd_diff_bpm4aY_slope vs Slug



Right In: -0.963+/-0.808 χ^2/NDF: 126.1/15

Left Out: -3.121+/-0.704 χ^2/NDF:336.9/20

Right Out: -1.869+/-0.784 χ^2/NDF: 133.2/17

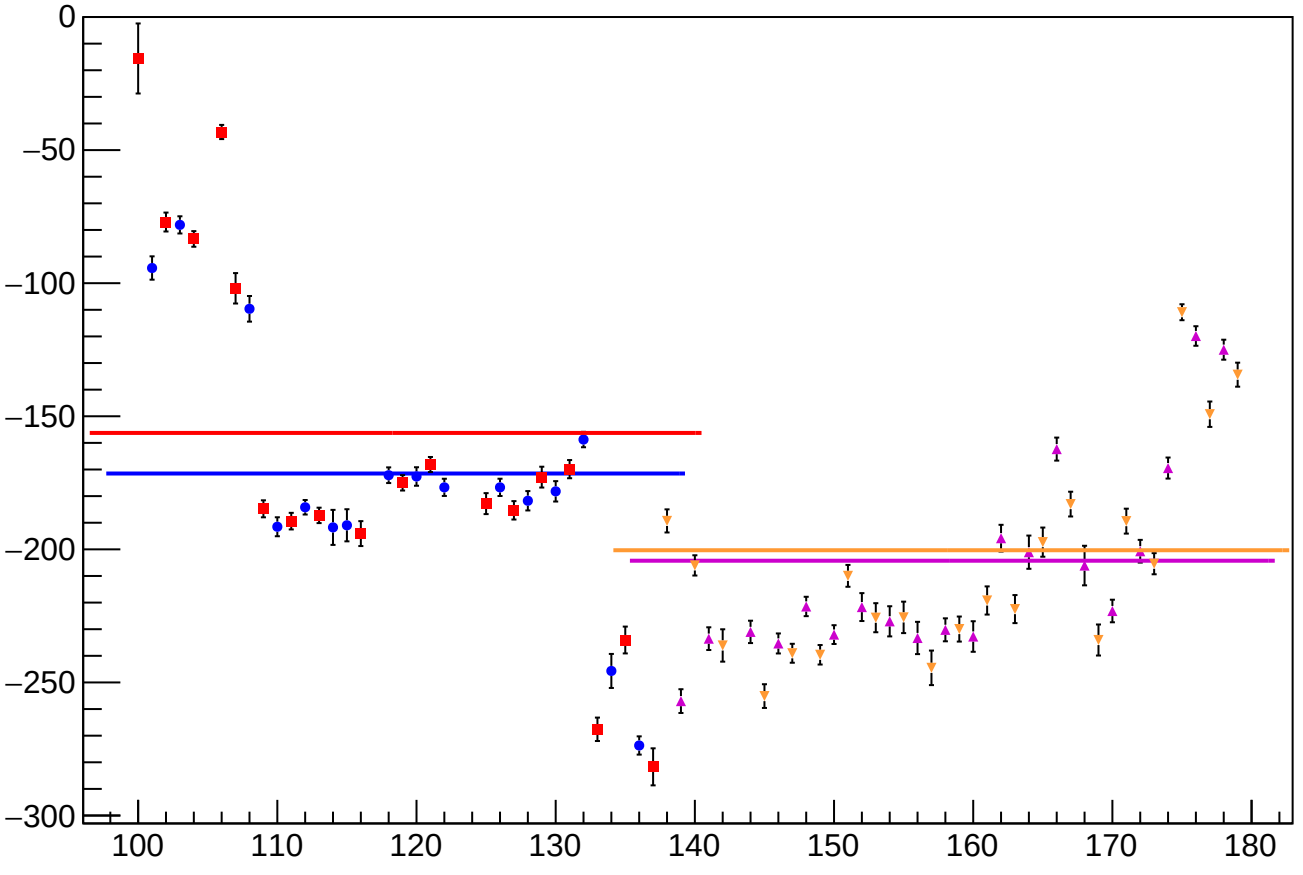
Left In: -2.836+/-0.719 χ^2/NDF:312.0/19

+ sign -2.190+/-0.531 χ^2/NDF: 467.0/36

All: -2.292+/-0.375 χ^2/NDF: 913.0/74

- sign -2.394+/-0.530 χ^2/NDF: 446.0/37

reg_asym_usl_atl2_dd_diff_bpm4eX_slope vs Slug



Right In: -171.506+/-0.907 χ^2/NDF: 2442.8/15

Left Out: -200.332+/-0.982 χ^2/NDF:1862.3/20

Right Out: -156.260+/-0.847 χ^2/NDF: 4904.3/17

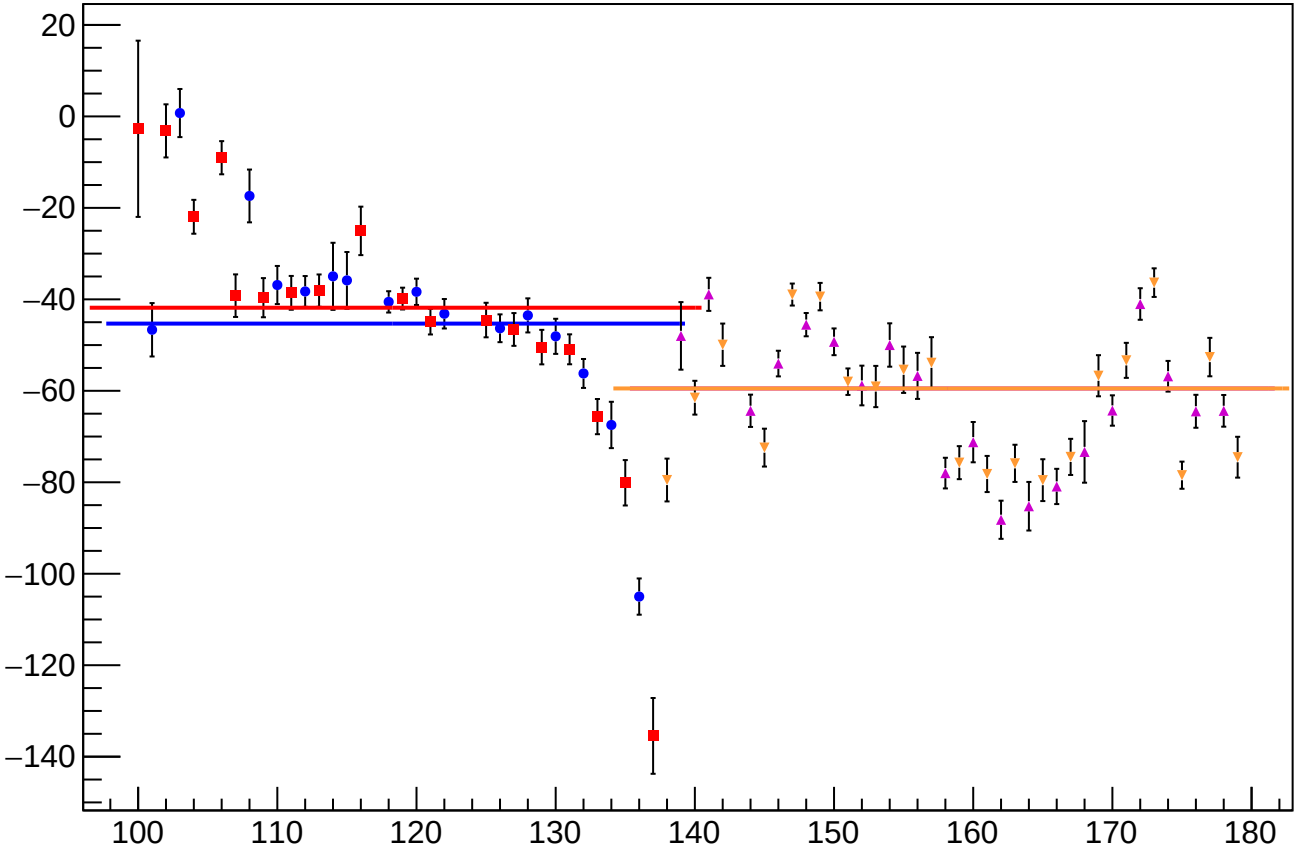
Left In: -204.269+/-0.988 χ^2/NDF:1661.0/19

\+ sign -184.777+/-0.666 χ^2/NDF: 4770.3/36

All: -180.545+/-0.463 χ^2/NDF: 12773.7/74

\- sign -176.599+/-0.643 χ^2/NDF: 7925.4/37

reg_asym_usl_atl2_dd_diff_bpm4eY_slope vs Slug



Right In: -45.304+/-0.938 χ^2/NDF: 382.0/15

Left Out: -59.483+/-0.816 χ^2/NDF:357.2/20

Right Out: -41.832+/-0.909 χ^2/NDF: 414.2/17

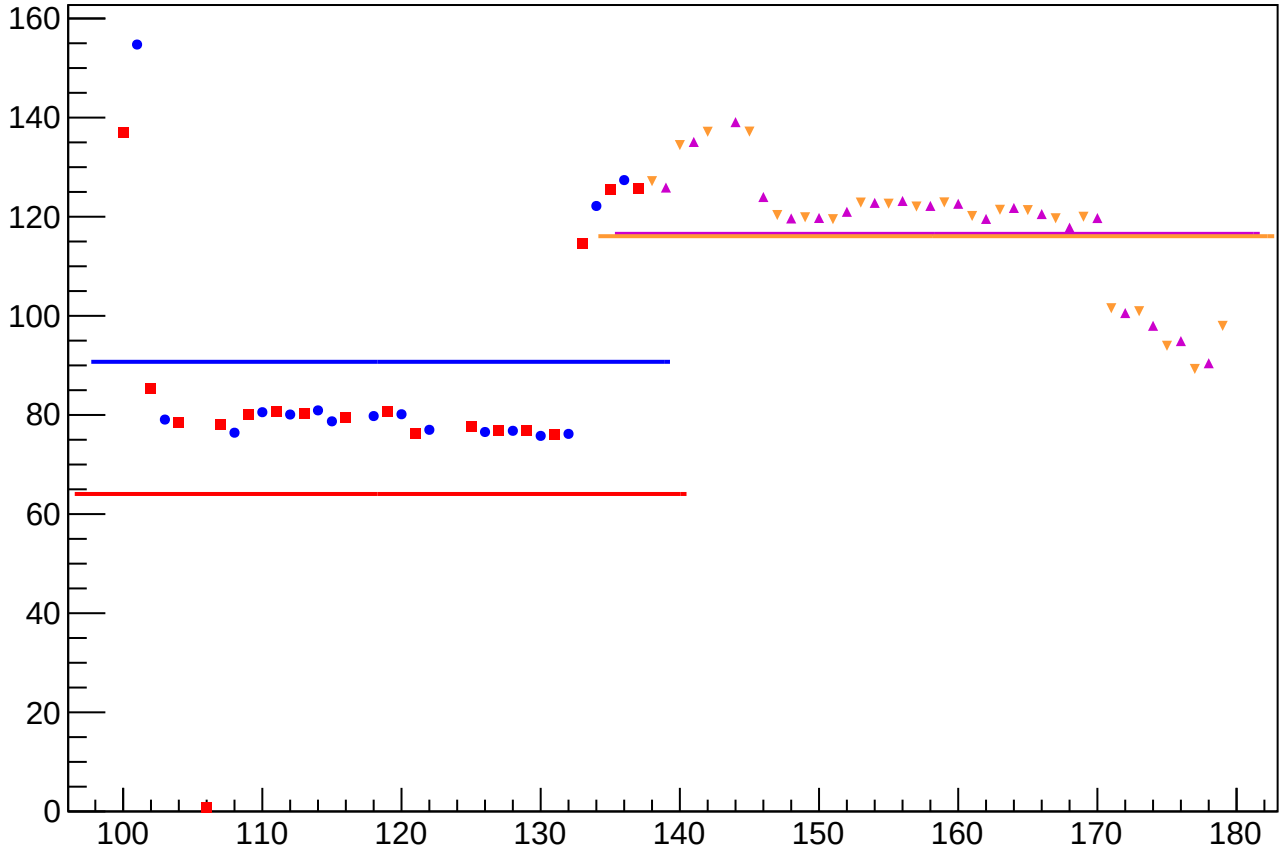
Left In: -59.493+/-0.828 χ^2/NDF:265.8/19

+ sign -53.369+/-0.616 χ^2/NDF: 869.3/36

All: -52.420+/-0.434 χ^2/NDF: 1760.2/74

- sign -51.482+/-0.612 χ^2/NDF: 886.2/37

reg_asym_usl_atl2_dd_diff_bpm12X_slope vs Slug



Right In: 90.726+/-0.058 χ^2/NDF: 161153.0/15

Left Out: 116.070+/-0.038 χ^2/NDF:123742.4/20

Right Out: 64.059+/-0.049 χ^2/NDF: 660935.1/17

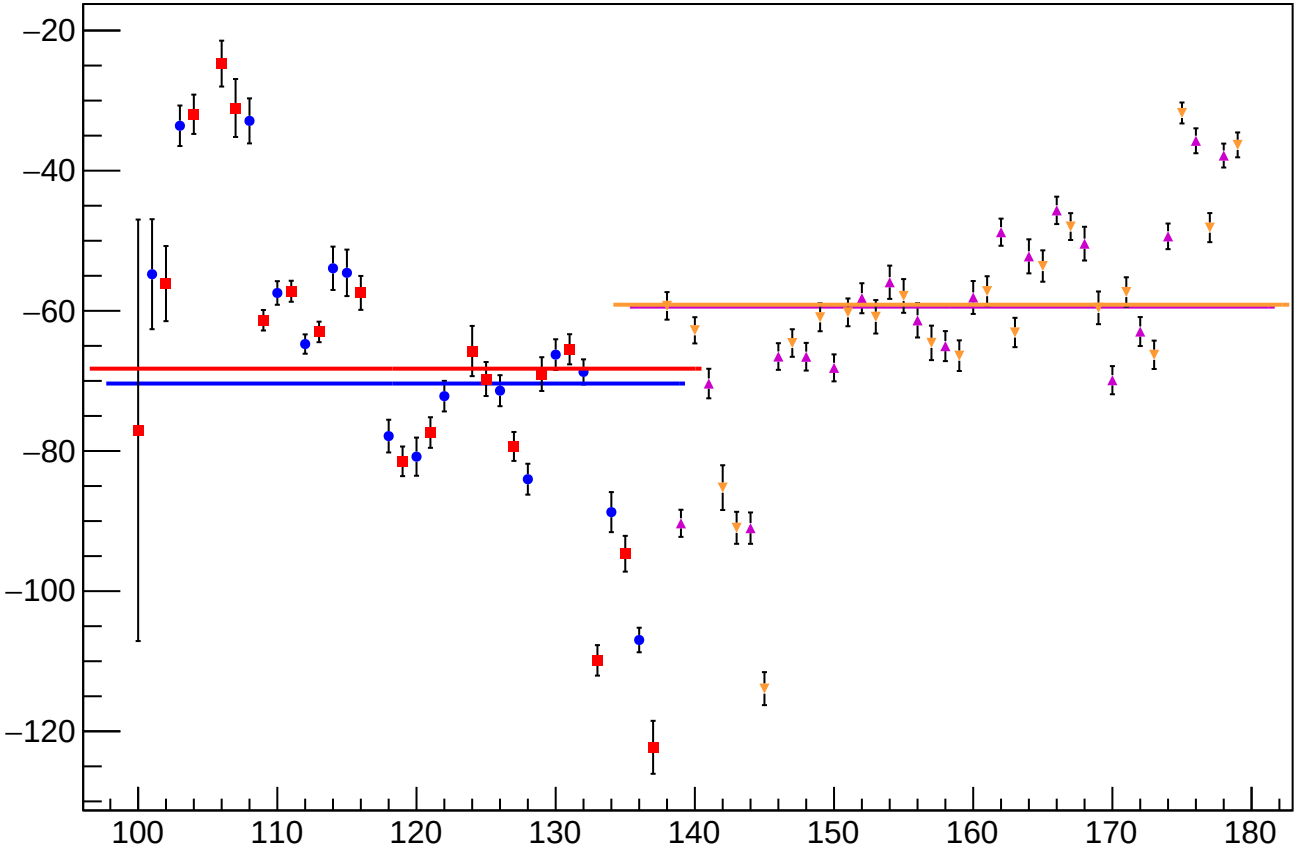
Left In: 116.544+/-0.038 χ^2/NDF:112529.8/19

+ sign 108.512+/-0.032 χ^2/NDF: 416694.1/36

All: 102.455+/-0.022 χ^2/NDF: 1971736.9/74

- sign 97.112+/-0.030 χ^2/NDF: 1487338.4/37

reg_asym_usr_atr1_avg_diff_bpm1X_slope vs Slug



Right In: -70.374+/-0.558 χ^2/NDF: 974.9/15

Left Out: -59.125+/-0.444 χ^2/NDF:1417.1/21

Right Out: -68.252+/-0.527 χ^2/NDF: 1306.0/18

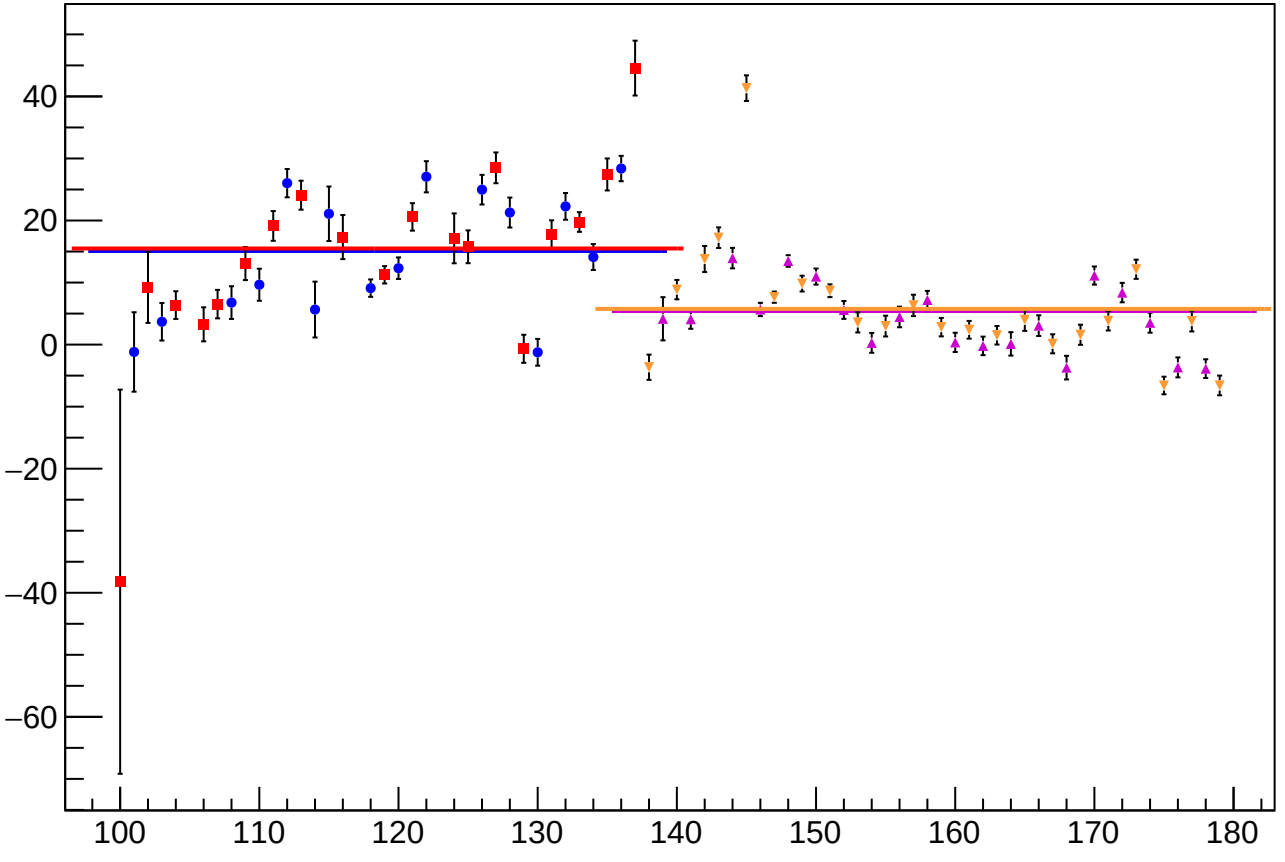
Left In: -59.399+/-0.458 χ^2/NDF:1039.1/19

+ sign -63.487+/-0.347 χ^2/NDF: 2641.0/37

All: -63.348+/-0.245 χ^2/NDF: 5147.3/76

- sign -63.210+/-0.346 χ^2/NDF: 2506.0/38

reg_asym_usr_atr1_avg_diff_bpm4aY_slope vs Slug



Right In: 15.092+/-0.581 χ^2/NDF: 242.4/15

Left Out: 5.756+/-0.318 χ^2/NDF:605.3/21

Right Out: 15.491+/-0.558 χ^2/NDF: 239.3/18

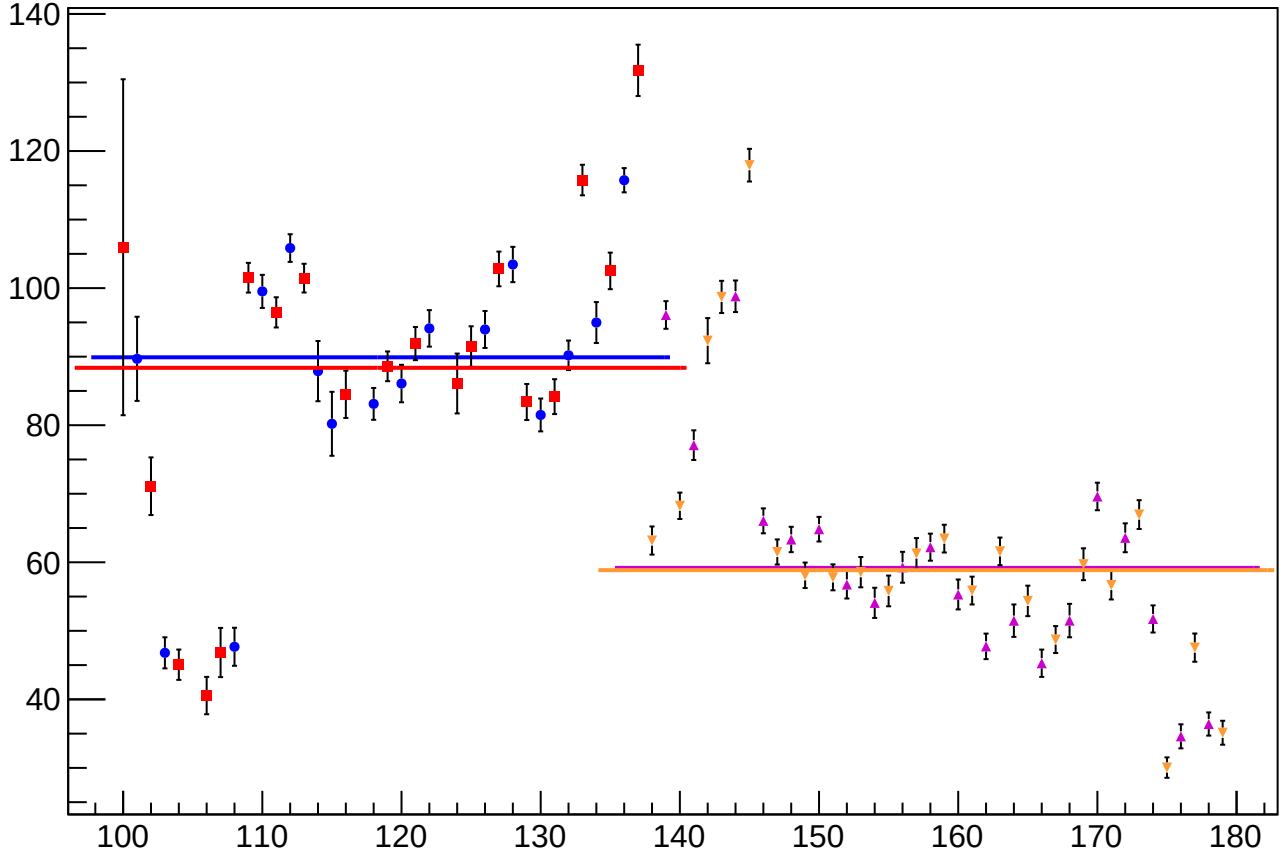
Left In: 5.409+/-0.332 χ^2/NDF:280.6/19

\+ sign 7.904+/-0.279 χ^2/NDF: 1046.6/37

All: 7.973+/-0.199 χ^2/NDF: 1807.6/76

\- sign 8.046+/-0.285 χ^2/NDF: 760.8/38

reg_asym_usr_atr1_avg_diff_bpm4eX_slope vs Slug



Right In: 89.907+/-0.641 χ^2/NDF: 947.7/15

Left Out: 58.853+/-0.436 χ^2/NDF:1683.6/21

Right Out: 88.375+/-0.617 χ^2/NDF: 1288.9/18

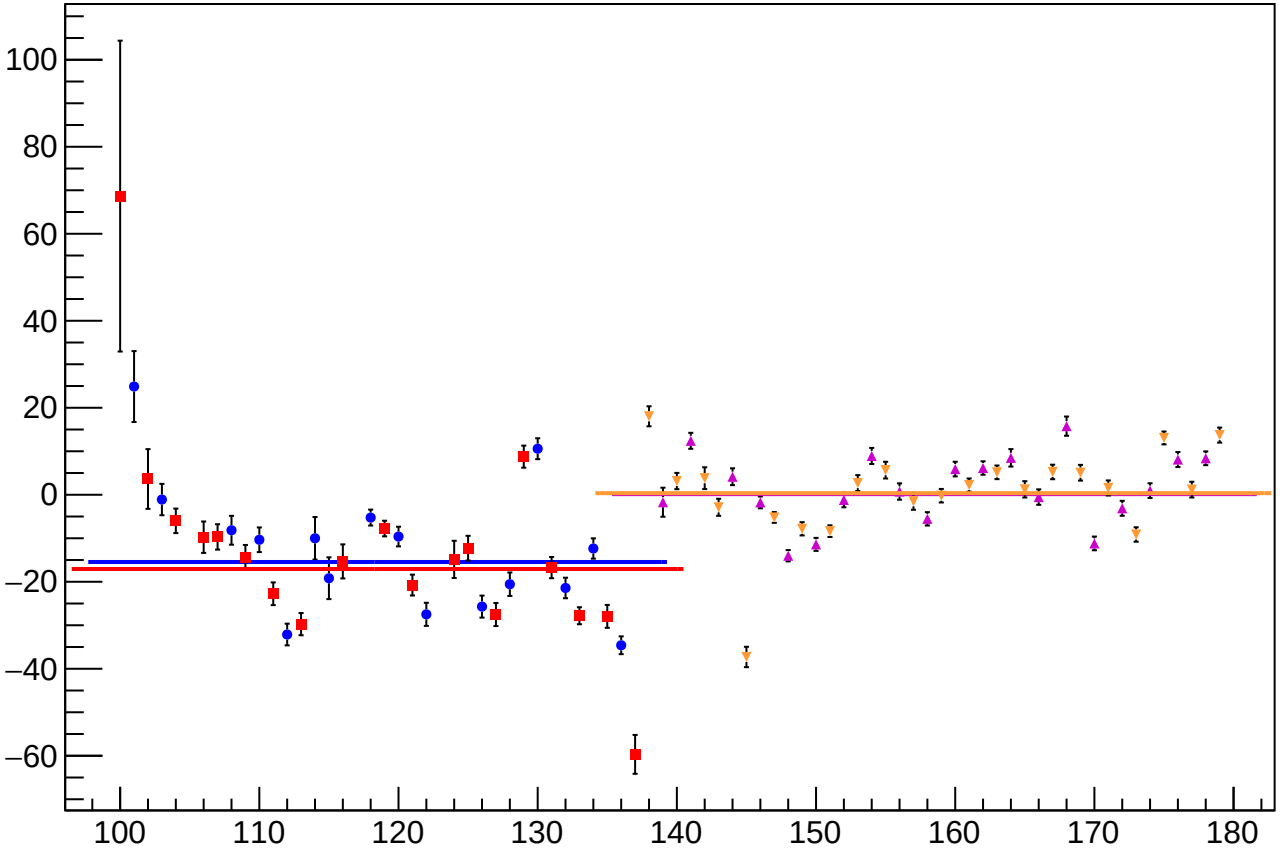
Left In: 59.181+/-0.449 χ^2/NDF:1270.2/19

+ sign 68.673+/-0.360 χ^2/NDF: 4237.7/37

All: 68.980+/-0.256 χ^2/NDF: 8259.6/76

- sign 69.292+/-0.363 χ^2/NDF: 4020.5/38

reg_asym_usr_atr1_avg_diff_bpm4eY_slope vs Slug



Right In: -15.454+/-0.665 χ^2/NDF: 386.5/15

Left Out: 0.369+/-0.364 χ^2/NDF:618.9/21

Right Out: -17.066+/-0.644 χ^2/NDF: 361.0/18

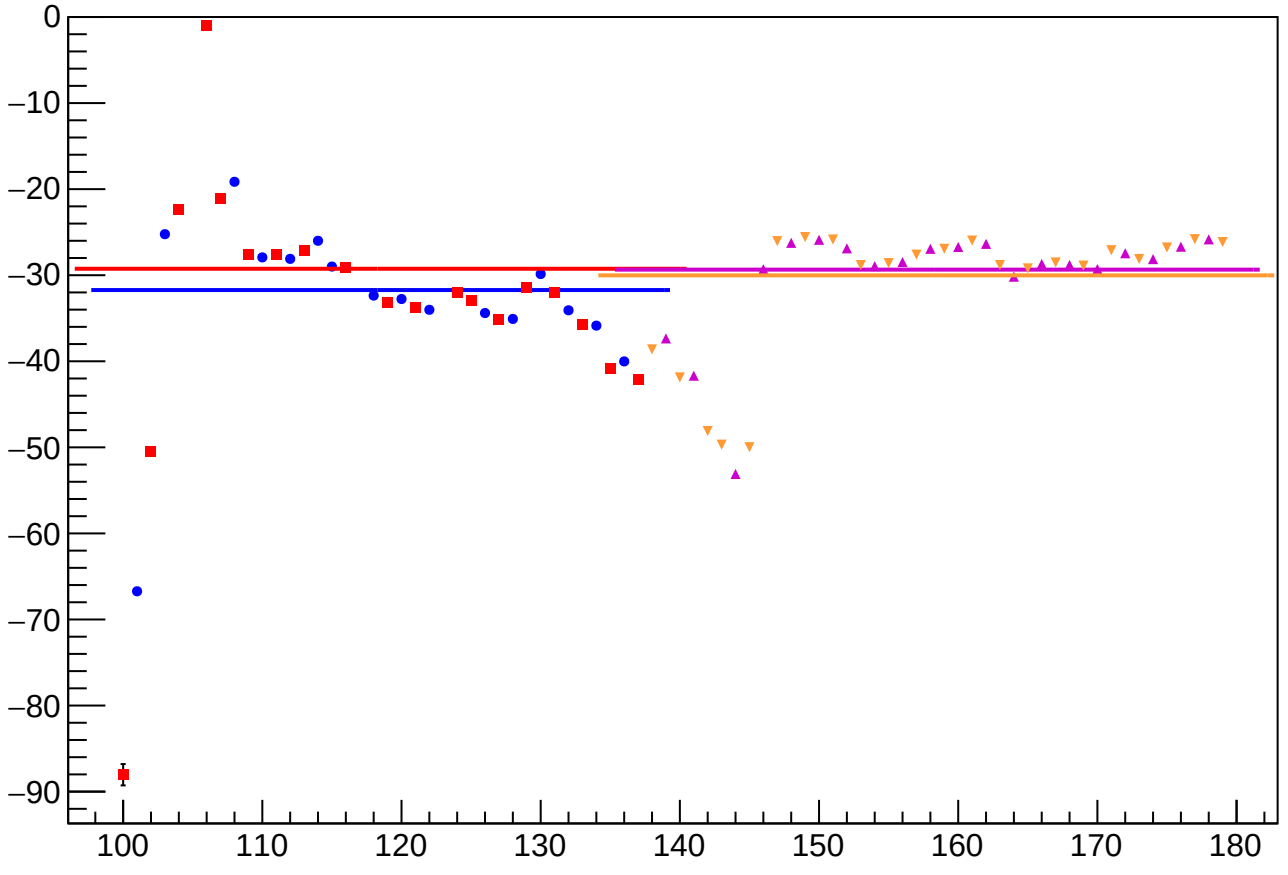
Left In: 0.144+/-0.379 χ^2/NDF:465.0/19

+ sign -3.282+/-0.320 χ^2/NDF: 1440.3/37

All: -3.776+/-0.229 χ^2/NDF: 2801.8/76

- sign -4.293+/-0.327 χ^2/NDF: 1356.6/38

reg_asym_usr_atr1_avg_diff_bpm12X_slope vs Slug



Right In: -31.725+/-0.039 χ^2/NDF: 39636.6/15

Left Out: -30.017+/-0.017 χ^2/NDF:160980.8/21

Right Out: -29.250+/-0.038 χ^2/NDF: 95235.9/18

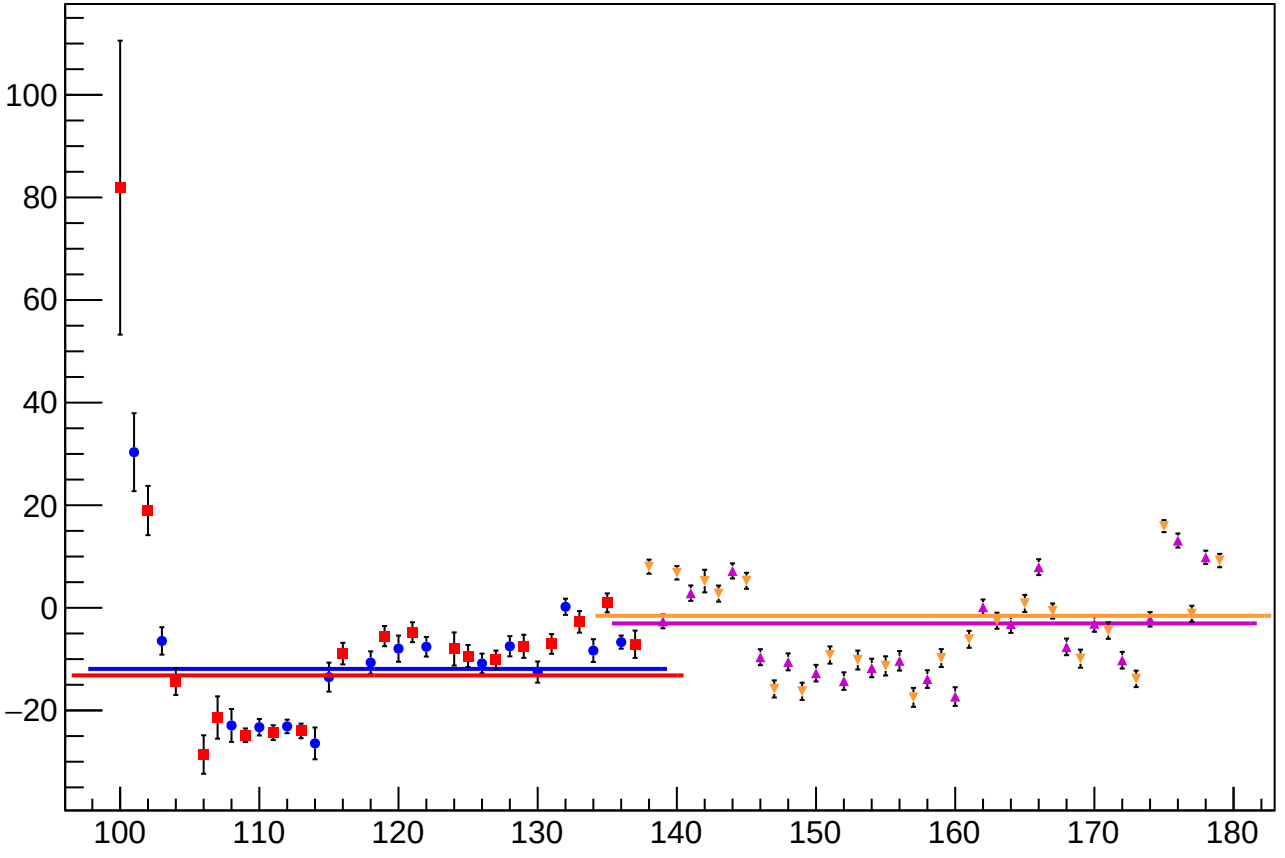
Left In: -29.351+/-0.017 χ^2/NDF:99006.9/19

\+ sign -30.286+/-0.015 χ^2/NDF: 202274.4/37

All: -29.817+/-0.011 χ^2/NDF: 398431.5/76

\- sign -29.335+/-0.015 χ^2/NDF: 194248.6/38

reg_asym_usr_atr1_dd_diff_bpm1X_slope vs Slug



Right In: -11.906+/-0.497 χ^2/NDF: 282.1/15

Left Out: -1.555+/-0.337 χ^2/NDF:823.9/21

Right Out: -13.169+/-0.480 χ^2/NDF: 421.5/18

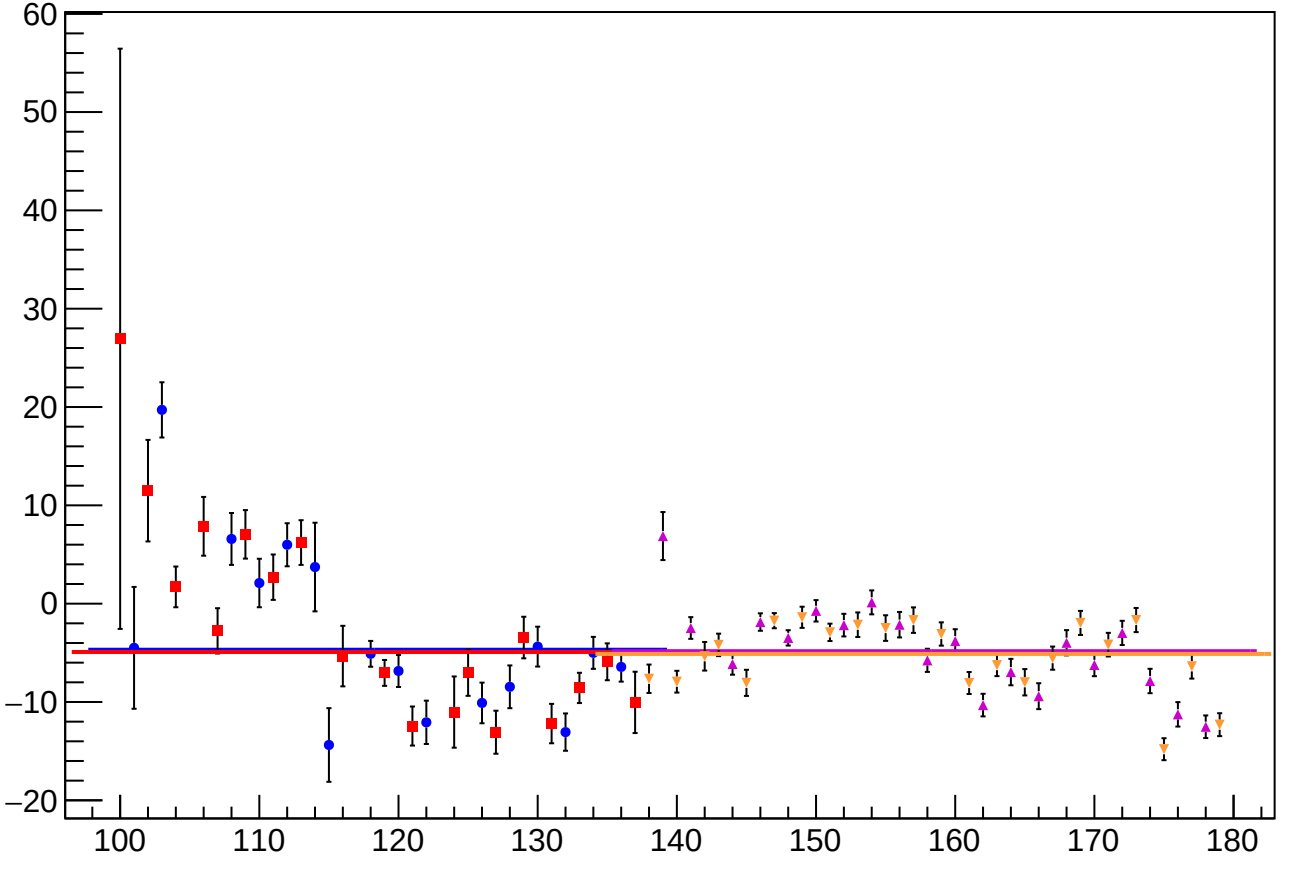
Left In: -3.041+/-0.350 χ^2/NDF:638.6/19

+ sign -4.820+/-0.279 χ^2/NDF: 1403.3/37

All: -5.676+/-0.199 χ^2/NDF: 2773.0/76

- sign -6.557+/-0.283 χ^2/NDF: 1350.6/38

reg_asym_usr_atr1_dd_diff_bpm4aY_slope vs Slug



Right In: -4.686+/-0.517 χ^2/NDF: 179.0/15

Left Out: -5.111+/-0.246 χ^2/NDF:214.6/21

Right Out: -4.913+/-0.513 χ^2/NDF: 155.9/18

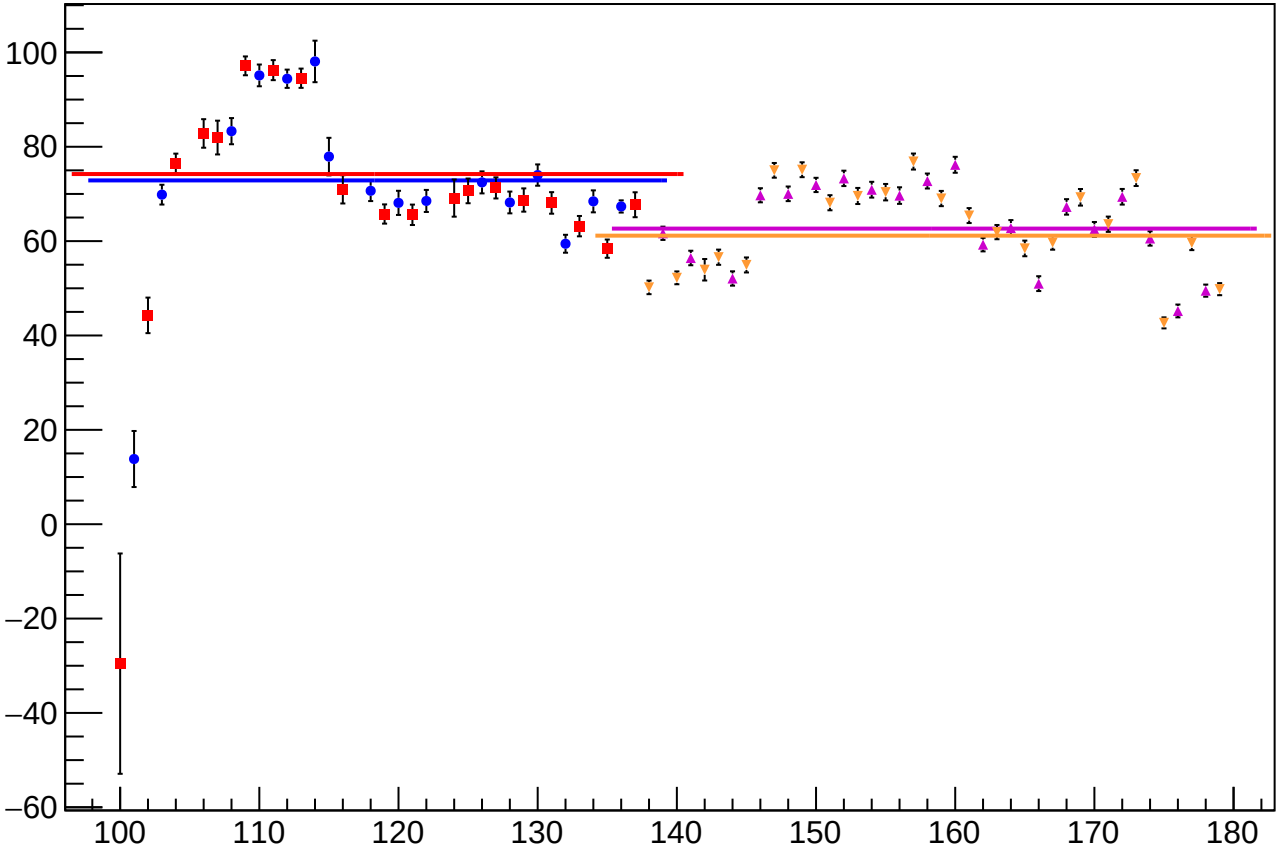
Left In: -4.831+/-0.258 χ^2/NDF:203.8/19

+ sign -5.032+/-0.222 χ^2/NDF: 394.2/37

All: -4.944+/-0.160 χ^2/NDF: 754.2/76

- sign -4.848+/-0.231 χ^2/NDF: 359.7/38

reg_asym_usr_atr1_dd_diff_bpm4eX_slope vs Slug



Right In: 72.866+/-0.565 χ^2/NDF: 450.7/15

Left Out: 61.159+/-0.332 χ^2/NDF:888.4/21

Right Out: 74.217+/-0.562 χ^2/NDF: 586.2/18

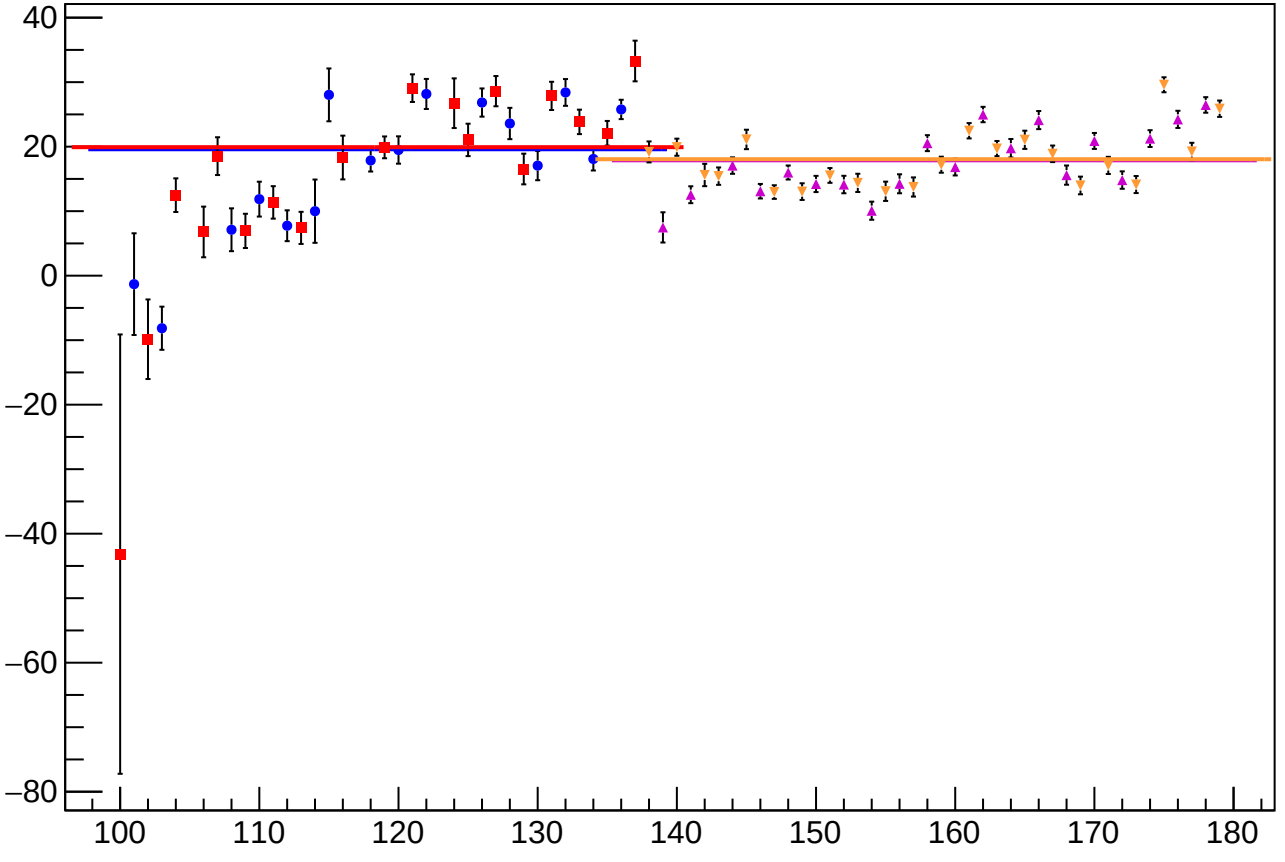
Left In: 62.653+/-0.345 χ^2/NDF:690.4/19

+ sign 64.164+/-0.286 χ^2/NDF: 1657.8/37

All: 64.967+/-0.205 χ^2/NDF: 3257.9/76

- sign 65.813+/-0.294 χ^2/NDF: 1584.0/38

reg_asym_usr_atr1_dd_diff_bpm4eY_slope vs Slug



Right In: 19.598+/-0.585 χ^2/NDF: 196.0/15

Left Out: 18.050+/-0.281 χ^2/NDF:258.5/21

Right Out: 19.919+/-0.585 χ^2/NDF: 181.3/18

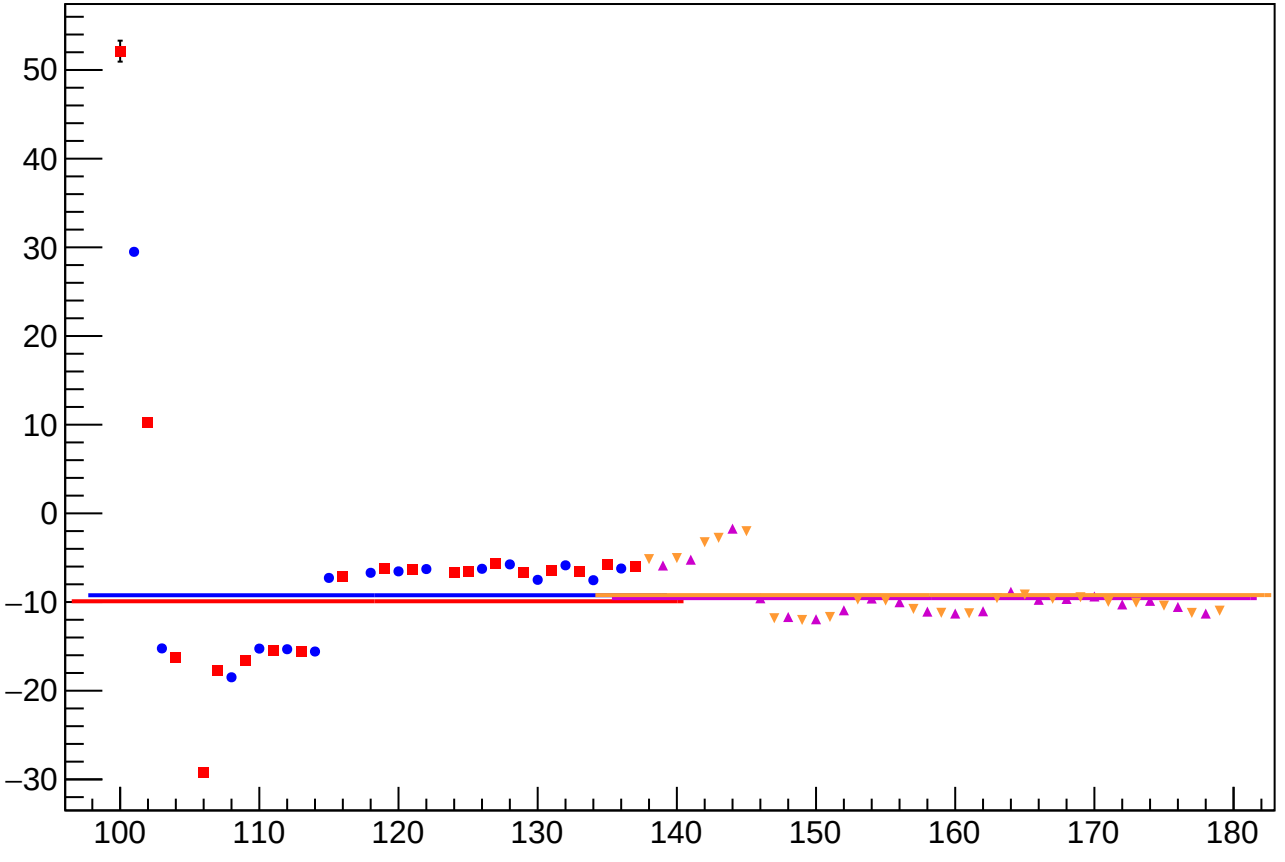
Left In: 17.885+/-0.294 χ^2/NDF:266.7/19

+ sign 18.339+/-0.253 χ^2/NDF: 460.2/37

All: 18.318+/-0.182 χ^2/NDF: 917.9/76

- sign 18.294+/-0.263 χ^2/NDF: 457.7/38

reg_asym_usr_atr1_dd_diff_bpm12X_slope vs Slug



Right In: -9.235+/-0.033 χ^2/NDF: 31159.3/15

Left Out: -9.218+/-0.013 χ^2/NDF:48148.5/21

Right Out: -9.913+/-0.034 χ^2/NDF: 53863.3/18

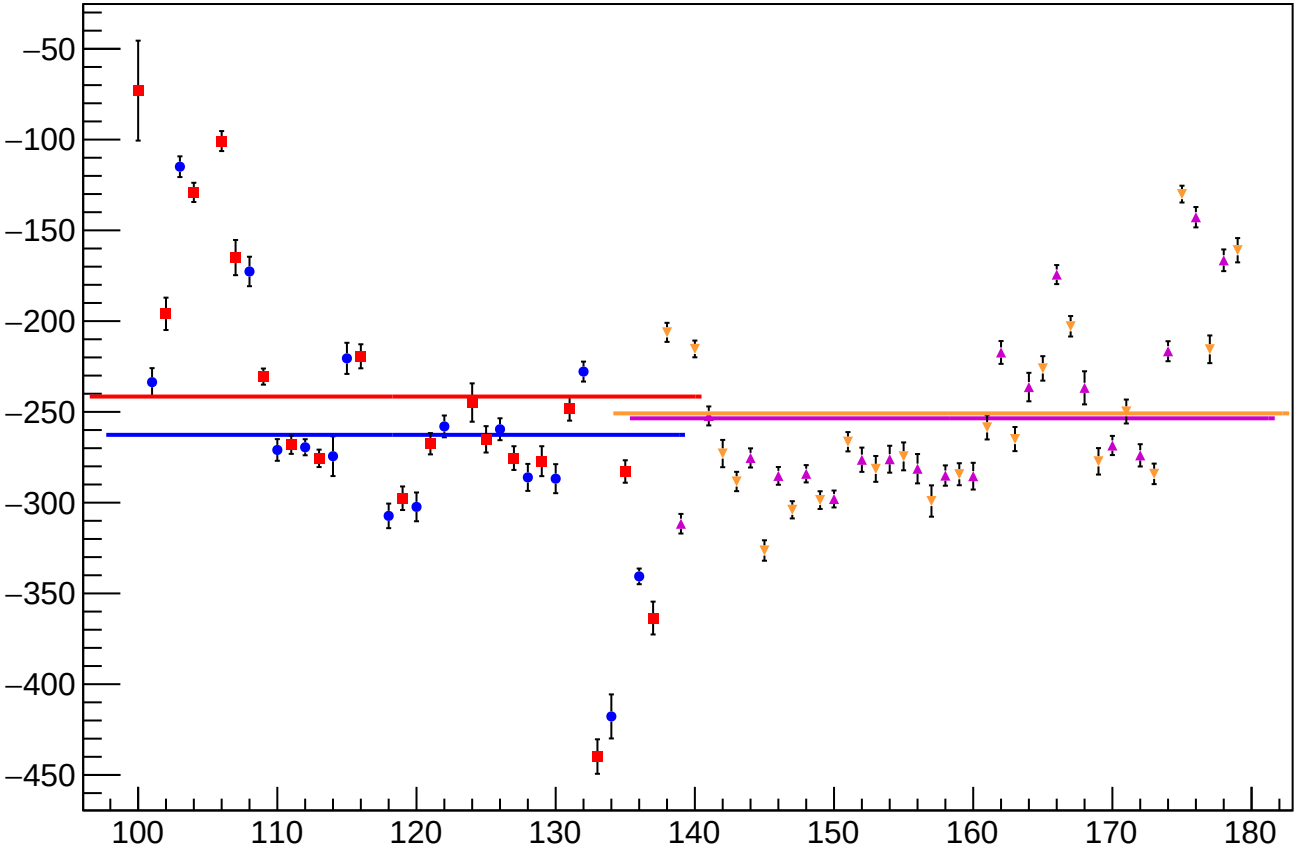
Left In: -9.561+/-0.013 χ^2/NDF:30673.5/19

+ sign -9.221+/-0.012 χ^2/NDF: 79308.0/37

All: -9.408+/-0.008 χ^2/NDF: 164449.7/76

- sign -9.605+/-0.012 χ^2/NDF: 84628.0/38

reg_asym_usr_atr2_avg_diff_bpm1X_slope vs Slug



Right In: -262.643+/-1.614 χ^2/NDF: 1454.3/15

Left Out: -250.831+/-1.265 χ^2/NDF:1711.0/21

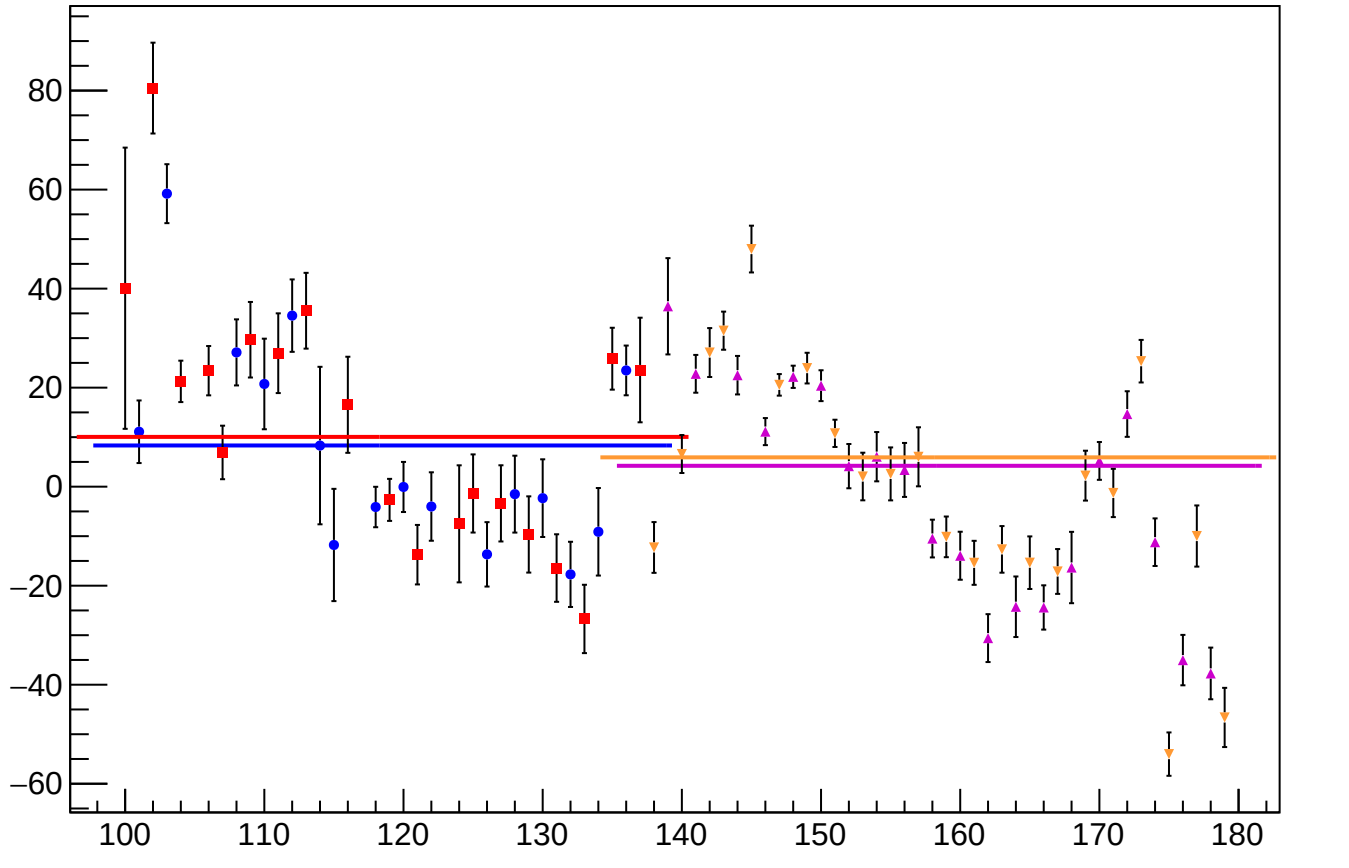
Right Out: -241.548+/-1.506 χ^2/NDF: 2138.6/18

Left In: -253.544+/-1.302 χ^2/NDF:1325.9/19

+ sign -255.328+/-0.996 χ^2/NDF: 3198.5/37

All: -251.833+/-0.700 χ^2/NDF: 6723.7/76

- sign -248.414+/-0.985 χ^2/NDF: 3500.8/38



Right In: 8.320+/-1.644 χ^2/NDF: 157.6/15

Left Out: 5.920+/-0.879 χ^2/NDF:627.8/21

Right Out: 10.052+/-1.539 χ^2/NDF: 187.4/18

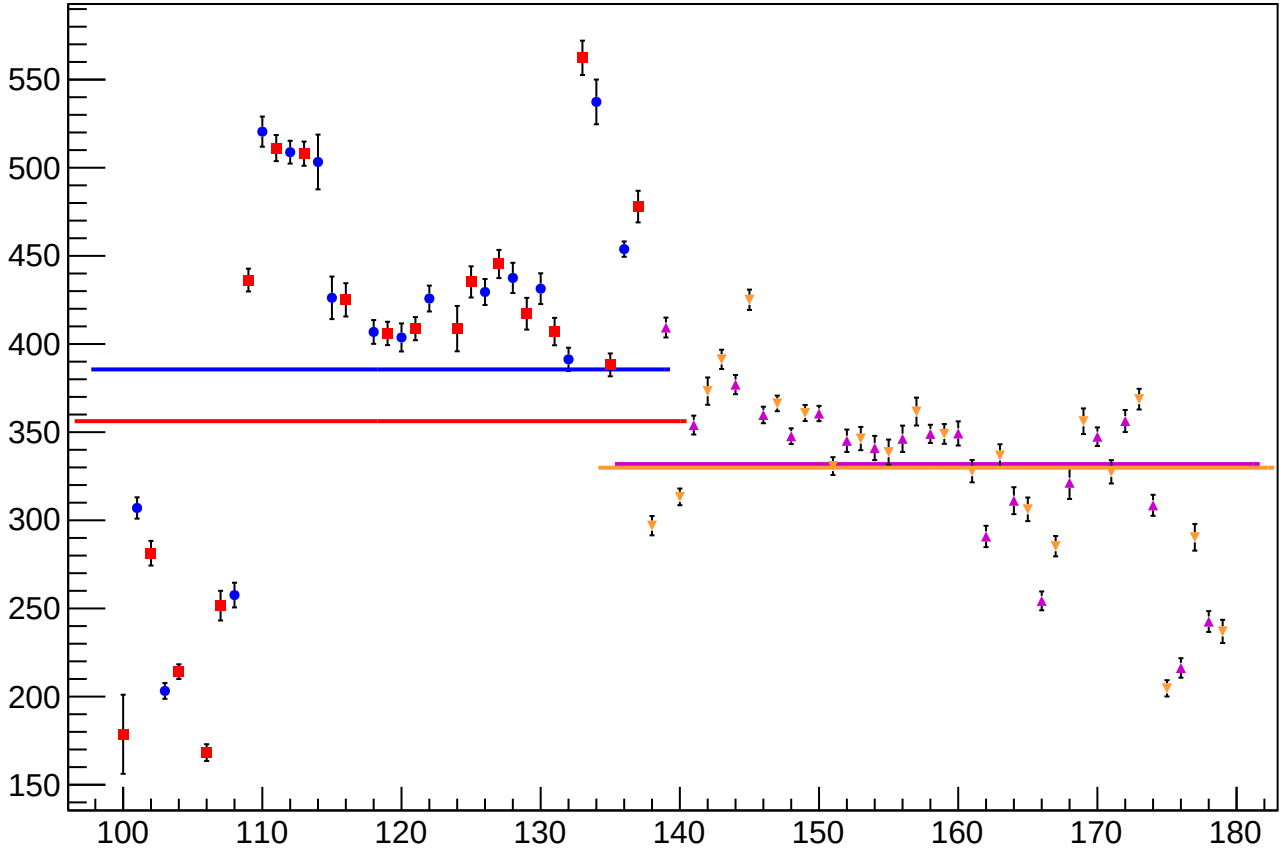
Left In: 4.215+/-0.917 χ^2/NDF:445.3/19

+ sign 6.454+/-0.775 χ^2/NDF: 787.1/37

All: 6.105+/-0.553 χ^2/NDF: 1430.8/76

- sign 5.745+/-0.788 χ^2/NDF: 643.3/38

reg_asym_usr_atr2_avg_diff_bpm4eX_slope vs Slug



Right In: 385.590+/-1.742 χ^2/NDF: 3373.1/15

Left Out: 329.856+/-1.244 χ^2/NDF:1720.2/21

Right Out: 356.245+/-1.647 χ^2/NDF: 5270.3/18

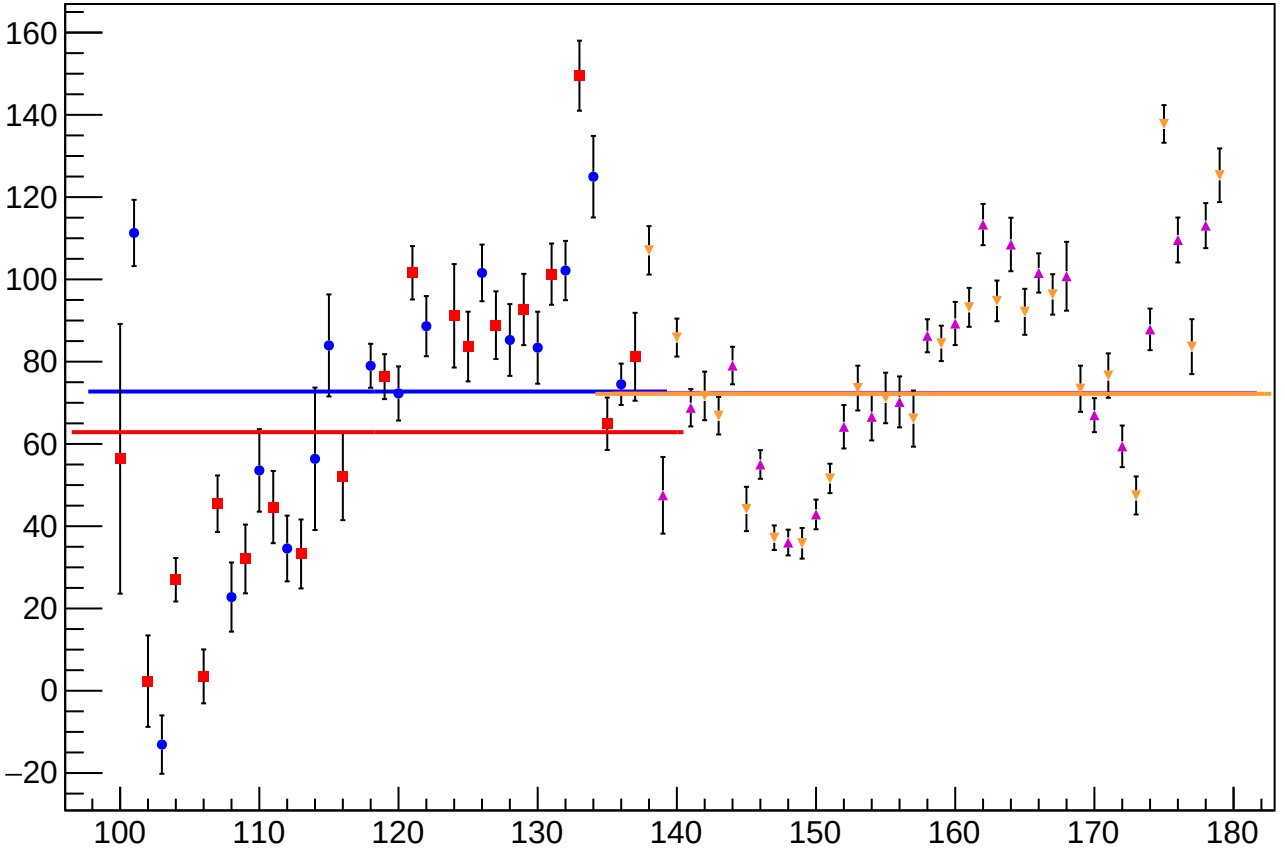
Left In: 331.896+/-1.277 χ^2/NDF:1362.5/19

+ sign 348.672+/-1.012 χ^2/NDF: 5771.2/37

All: 344.843+/-0.715 χ^2/NDF: 12569.0/76

- sign 341.040+/-1.009 χ^2/NDF: 6769.4/38

reg_asym_usr_atr2_avg_diff_bpm4eY_slope vs Slug



Right In: 72.740+/-1.897 χ^2/NDF: 304.3/15

Left Out: 72.183+/-1.026 χ^2/NDF:727.9/21

Right Out: 62.863+/-1.795 χ^2/NDF: 403.6/18

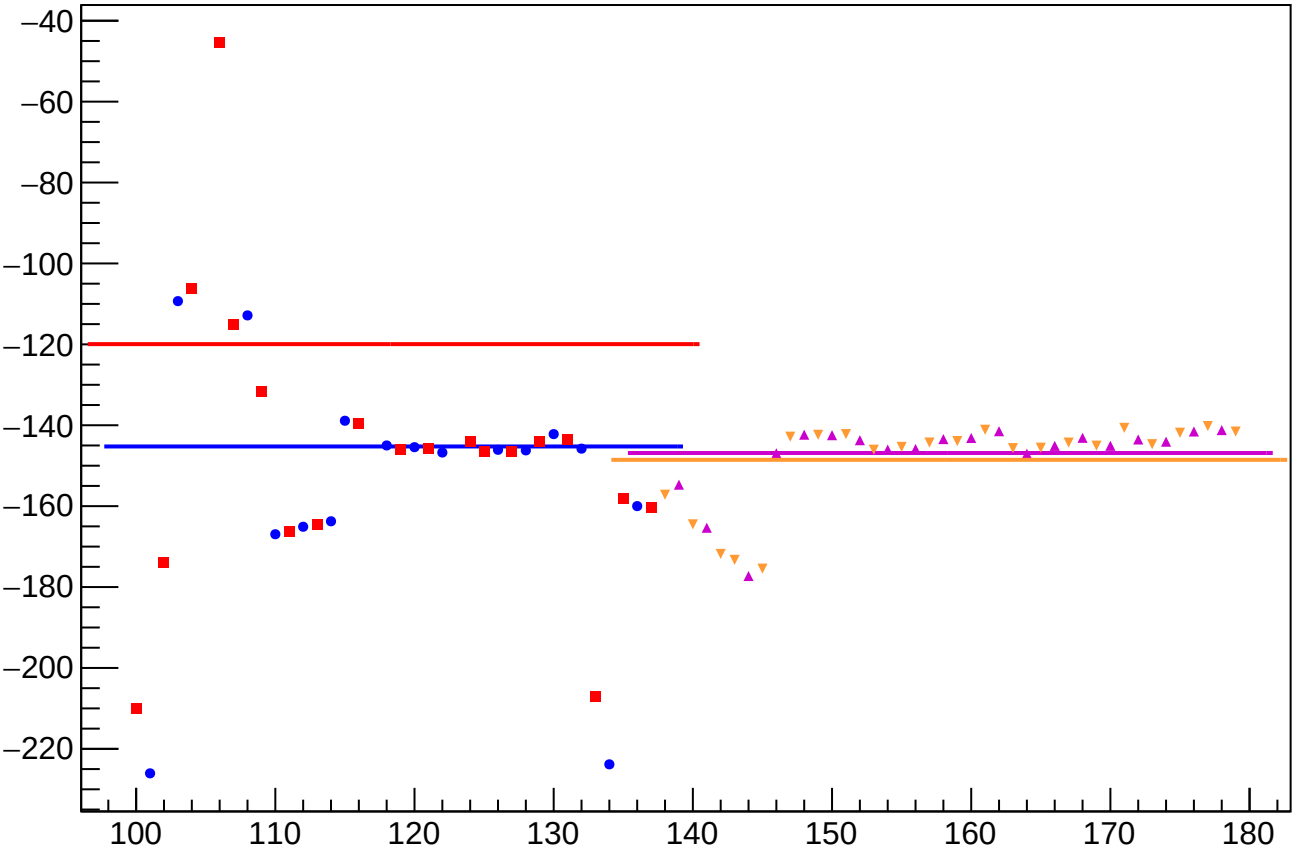
Left In: 72.325+/-1.063 χ^2/NDF:528.4/19

+ sign 72.309+/-0.902 χ^2/NDF: 1032.3/37

All: 71.105+/-0.642 χ^2/NDF: 1988.5/76

- sign 69.869+/-0.914 χ^2/NDF: 952.6/38

reg_asym_usr_atr2_avg_diff_bpm12X_slope vs Slug



Right In: -145.246+/-0.098 χ^2/NDF: 132057.3/15

Left Out: -148.551+/-0.048 χ^2/NDF:48242.7/21

Right Out: -119.947+/-0.089 χ^2/NDF: 270354.1/18

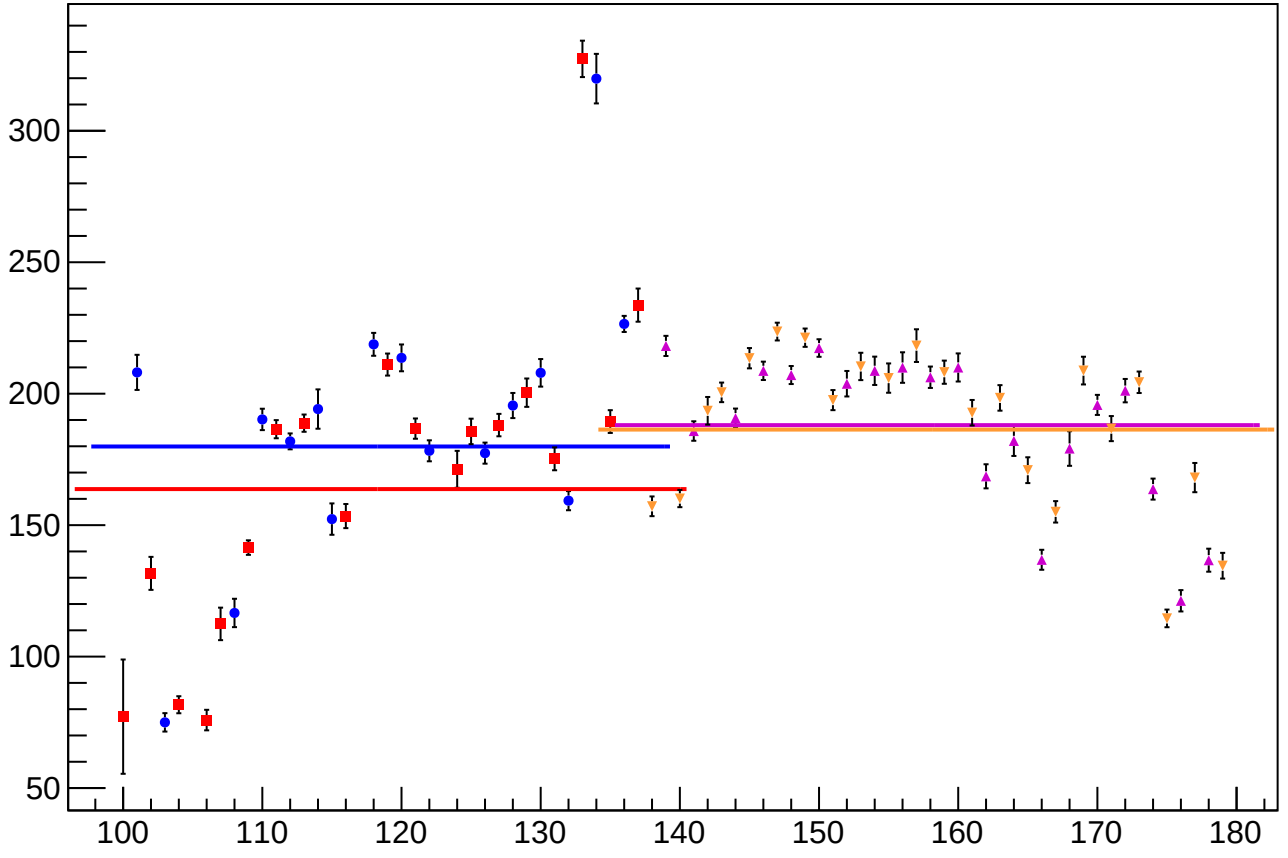
Left In: -146.858+/-0.049 χ^2/NDF:28559.3/19

+ sign -147.910+/-0.043 χ^2/NDF: 181210.2/37

All: -144.232+/-0.030 χ^2/NDF: 564746.6/76

- sign -140.660+/-0.043 χ^2/NDF: 369332.8/38

reg_asym_usr_atr2_dd_diff_bpm1X_slope vs Slug



Right In: 179.918+/-1.089 χ^2/NDF: 1732.7/15

Left Out: 186.351+/-0.908 χ^2/NDF:1200.7/21

Right Out: 163.718+/-1.001 χ^2/NDF: 2416.8/18

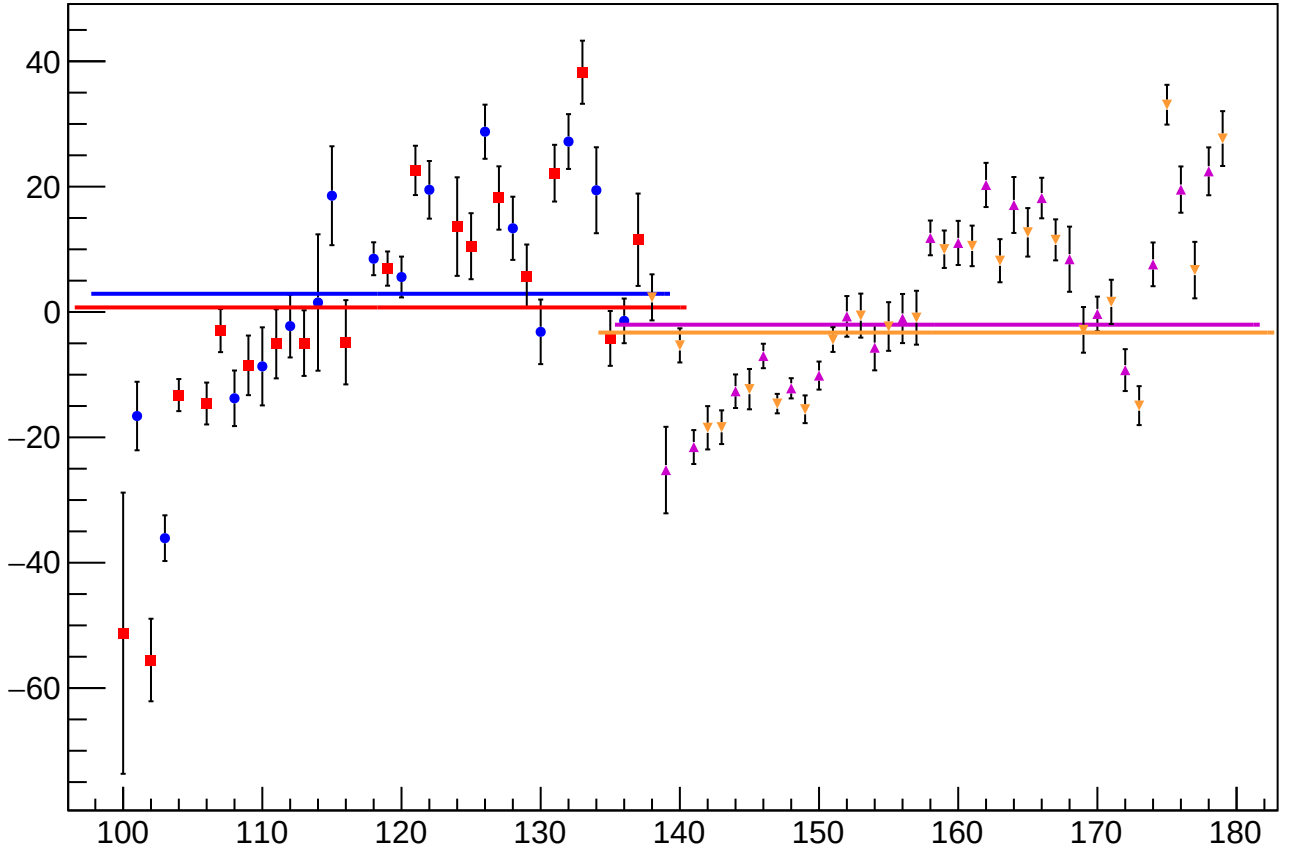
Left In: 188.038+/-0.936 χ^2/NDF:943.7/19

+ sign 183.713+/-0.697 χ^2/NDF: 2954.0/37

All: 180.132+/-0.488 χ^2/NDF: 6681.2/76

- sign 176.688+/-0.684 χ^2/NDF: 3675.4/38

reg_asym_usr_atr2_dd_diff_bpm4aY_slope vs Slug



Right In: 2.907+/-1.105 χ^2/NDF: 247.5/15

Left Out: -3.280+/-0.630 χ^2/NDF:435.7/21

Right Out: 0.729+/-1.012 χ^2/NDF: 273.6/18

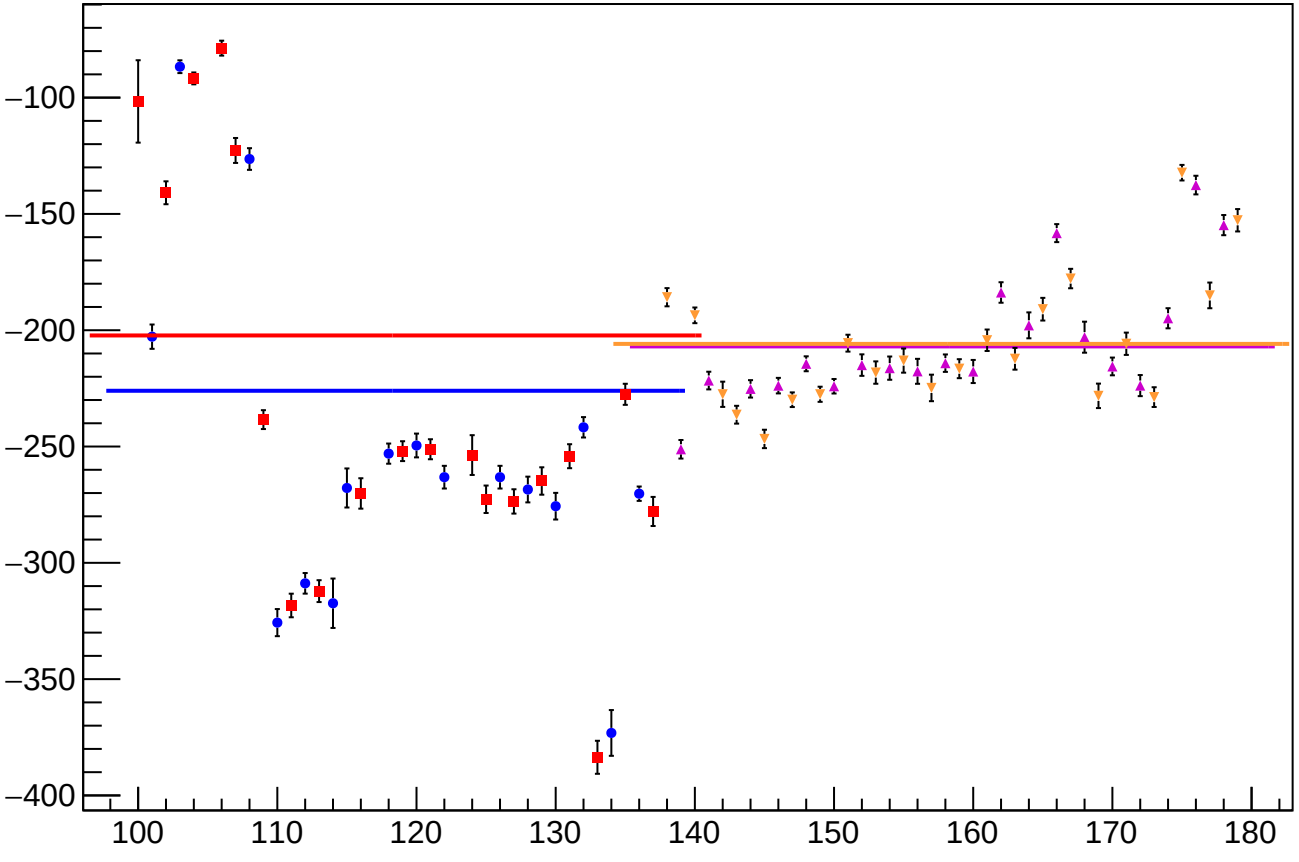
Left In: -2.024+/-0.660 χ^2/NDF:367.4/19

+ sign -1.761+/-0.547 χ^2/NDF: 706.9/37

All: -1.485+/-0.389 χ^2/NDF: 1353.5/76

- sign -1.203+/-0.553 χ^2/NDF: 646.2/38

reg_asym_usr_atr2_dd_diff_bpm4eX_slope vs Slug



Right In: -226.028+/-1.175 χ^2/NDF: 4539.0/15

Left Out: -205.876+/-0.893 χ^2/NDF:1077.8/21

Right Out: -202.247+/-1.087 χ^2/NDF: 6690.8/18

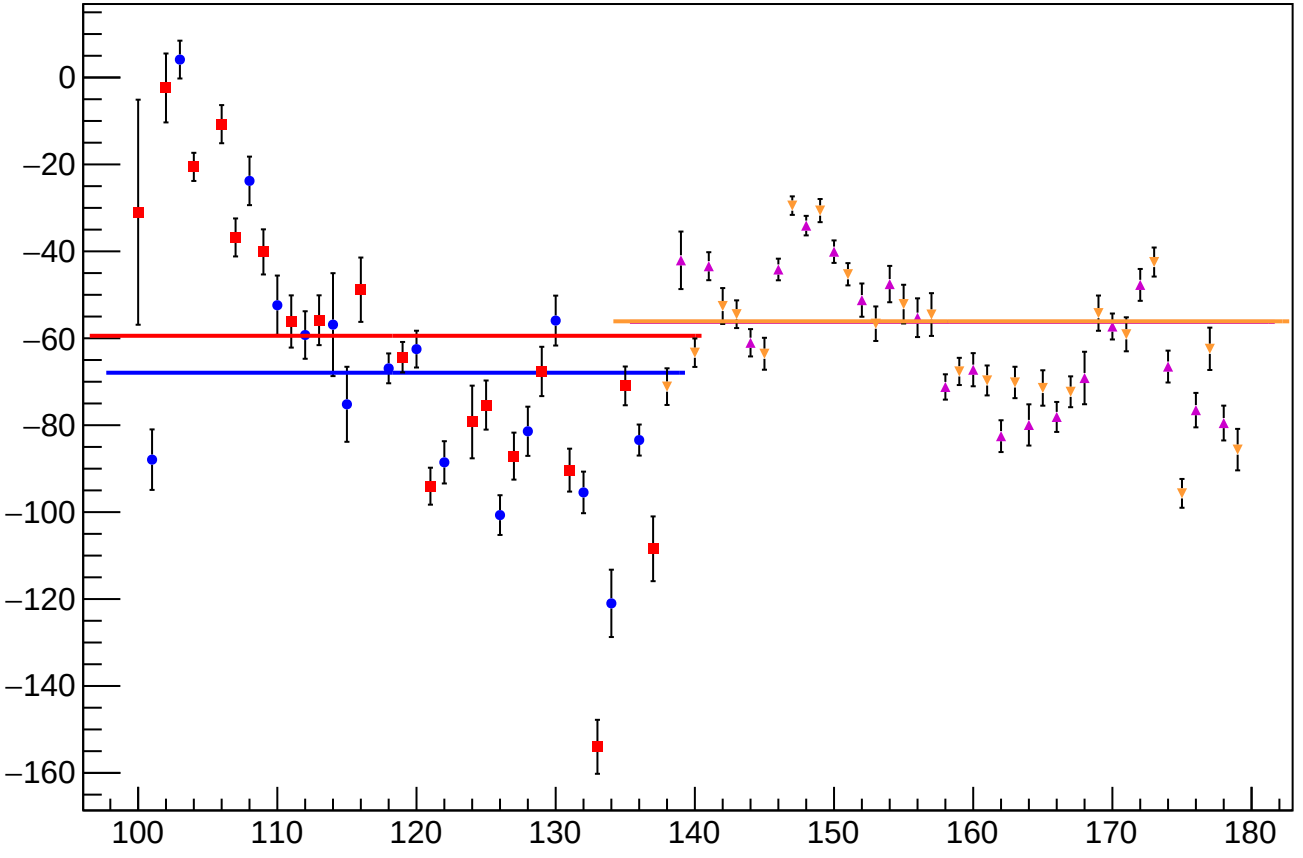
Left In: -206.961+/-0.919 χ^2/NDF:901.3/19

+ sign -213.253+/-0.711 χ^2/NDF: 5803.3/37

All: -209.071+/-0.499 χ^2/NDF: 13474.7/76

- sign -204.997+/-0.702 χ^2/NDF: 7603.1/38

reg_asym_usr_atr2_dd_diff_bpm4eY_slope vs Slug



Right In: -67.927+/-1.278 χ^2/NDF: 534.0/15

Left Out: -56.099+/-0.736 χ^2/NDF:568.4/21

Right Out: -59.428+/-1.184 χ^2/NDF: 794.9/18

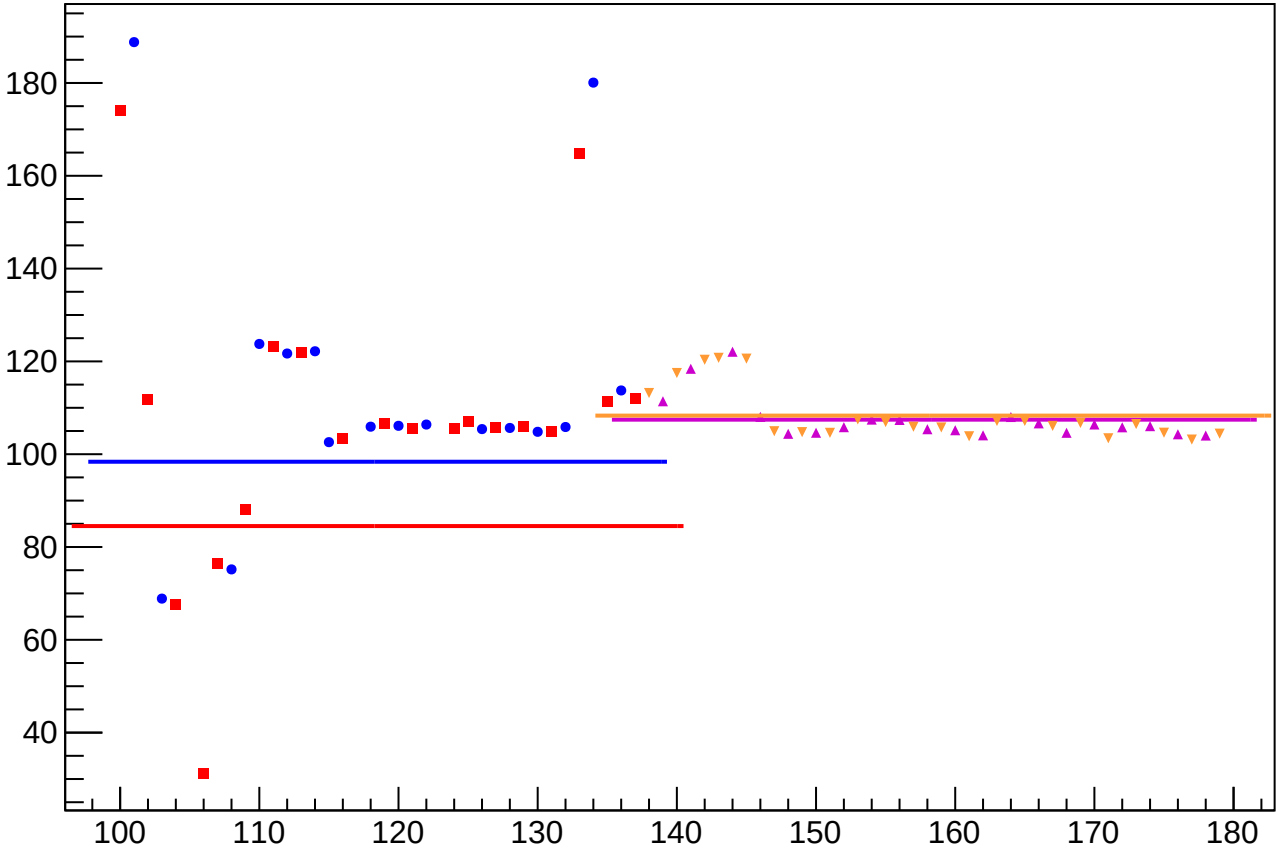
Left In: -56.236+/-0.765 χ^2/NDF:418.0/19

+ sign -59.046+/-0.638 χ^2/NDF: 1166.8/37

All: -58.118+/-0.453 χ^2/NDF: 2389.0/76

- sign -57.176+/-0.642 χ^2/NDF: 1218.0/38

reg_asym_usr_atr2_dd_diff_bpm12X_slope vs Slug



Right In: 98.377+/-0.066 χ^2/NDF: 228419.7/15

Left Out: 108.316+/-0.035 χ^2/NDF:26060.4/21

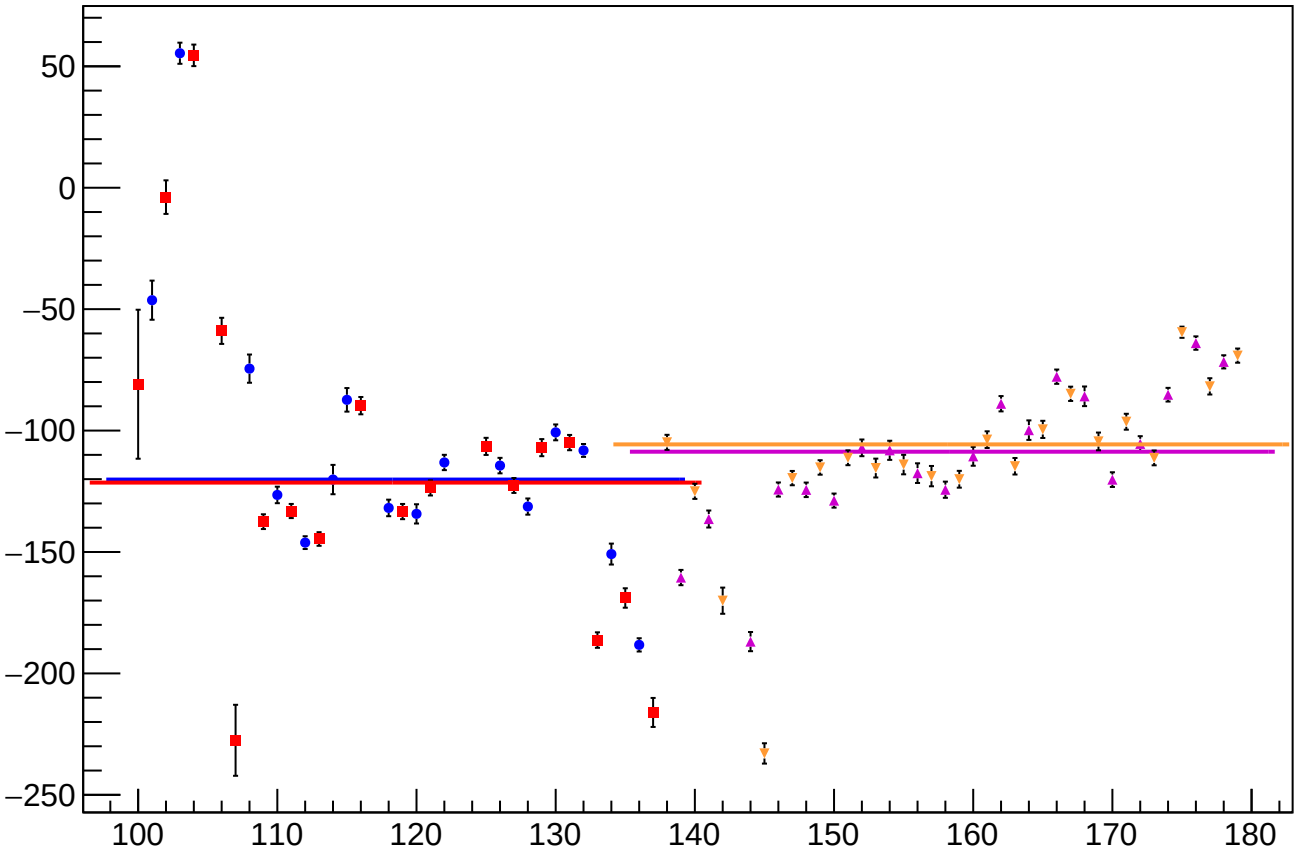
Right Out: 84.512+/-0.061 χ^2/NDF: 268911.0/18

Left In: 107.444+/-0.035 χ^2/NDF:16476.8/19

\+ sign 106.167+/-0.031 χ^2/NDF: 272231.7/37

All: 103.907+/-0.022 χ^2/NDF: 675550.5/76

\- sign 101.701+/-0.030 χ^2/NDF: 392616.4/38



Right In: -120.177+/-0.891 χ^2/NDF: 2691.2/15

Left Out: -105.688+/-0.718 χ^2/NDF:1858.5/20

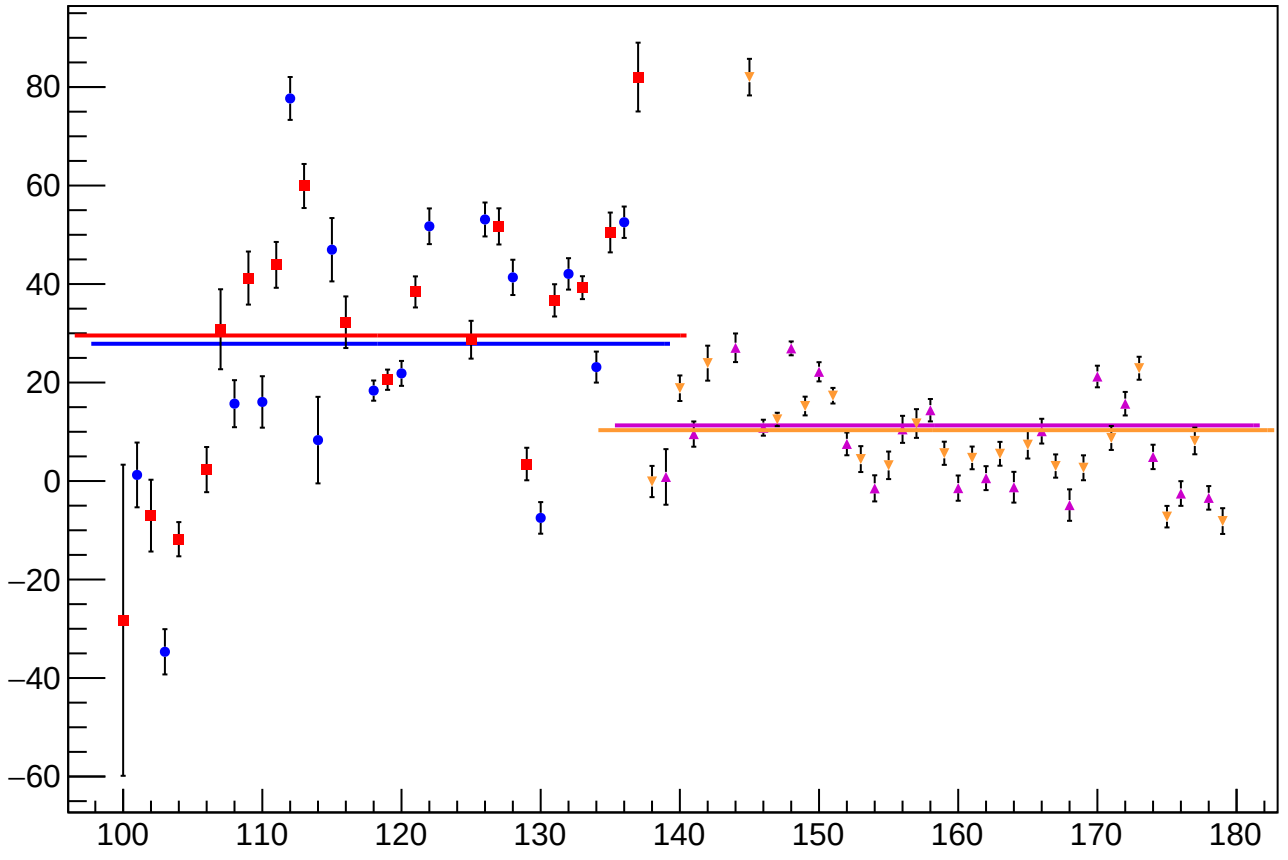
Right Out: -121.418+/-0.875 χ^2/NDF: 3126.3/17

Left In: -108.702+/-0.725 χ^2/NDF:1575.3/19

+ sign -111.399+/-0.559 χ^2/NDF: 4710.1/36

All: -112.640+/-0.395 χ^2/NDF: 9546.7/74

- sign -113.877+/-0.558 χ^2/NDF: 4826.8/37



Right In: 27.872+/-0.888 χ^2/NDF: 699.6/15

Left Out: 10.328+/-0.509 χ^2/NDF:627.4/20

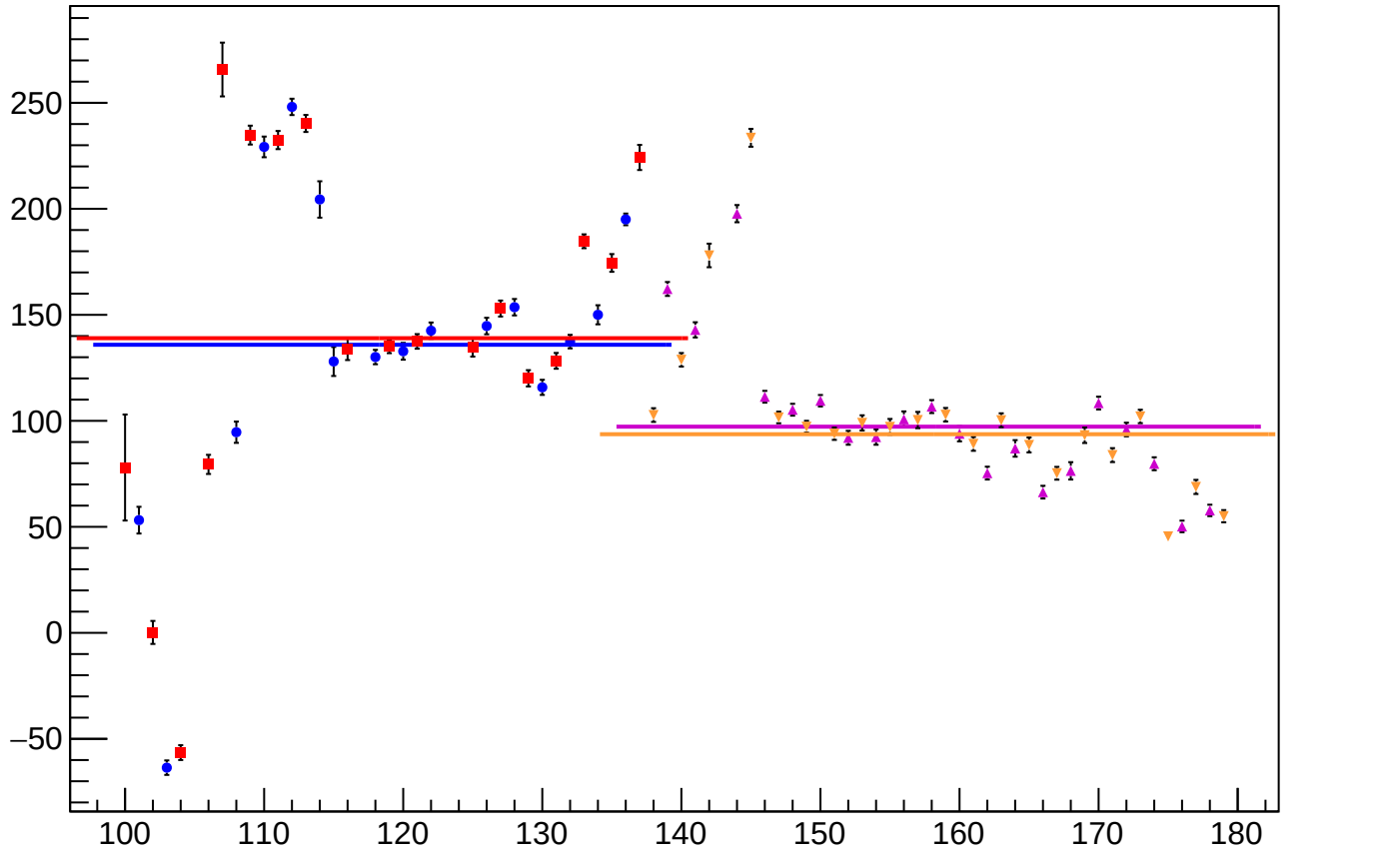
Right Out: 29.553+/-0.890 χ^2/NDF: 497.5/17

Left In: 11.298+/-0.522 χ^2/NDF:400.4/19

\+ sign 14.668+/-0.442 χ^2/NDF: 1620.7/36

All: 15.310+/-0.315 χ^2/NDF: 2836.0/74

\- sign 15.978+/-0.450 χ^2/NDF: 1211.0/37



Right In: 135.883+/-0.999 χ^2/NDF: 5463.6/15

Left Out: 93.691+/-0.704 χ^2/NDF:2218.0/20

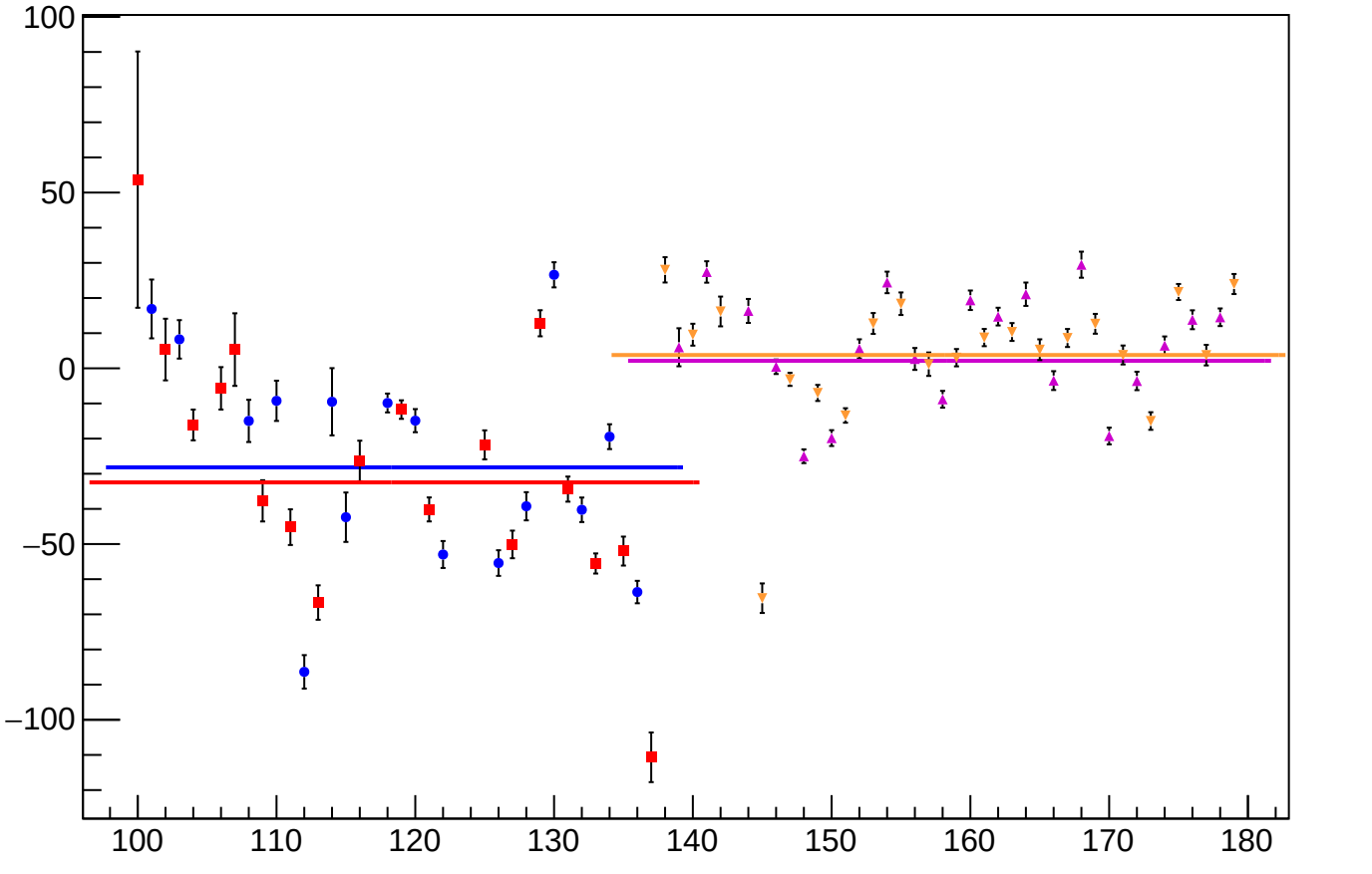
Right Out: 138.985+/-0.998 χ^2/NDF: 6156.4/17

Left In: 97.251+/-0.712 χ^2/NDF:1983.3/19

+ sign 107.693+/-0.575 χ^2/NDF: 8874.6/36

All: 109.488+/-0.408 χ^2/NDF: 18193.0/74

- sign 111.310+/-0.579 χ^2/NDF: 9298.7/37



Right In: -28.175+/-1.022 χ^2/NDF: 791.2/15

Left Out: 3.780+/-0.586 χ^2/NDF:657.4/20

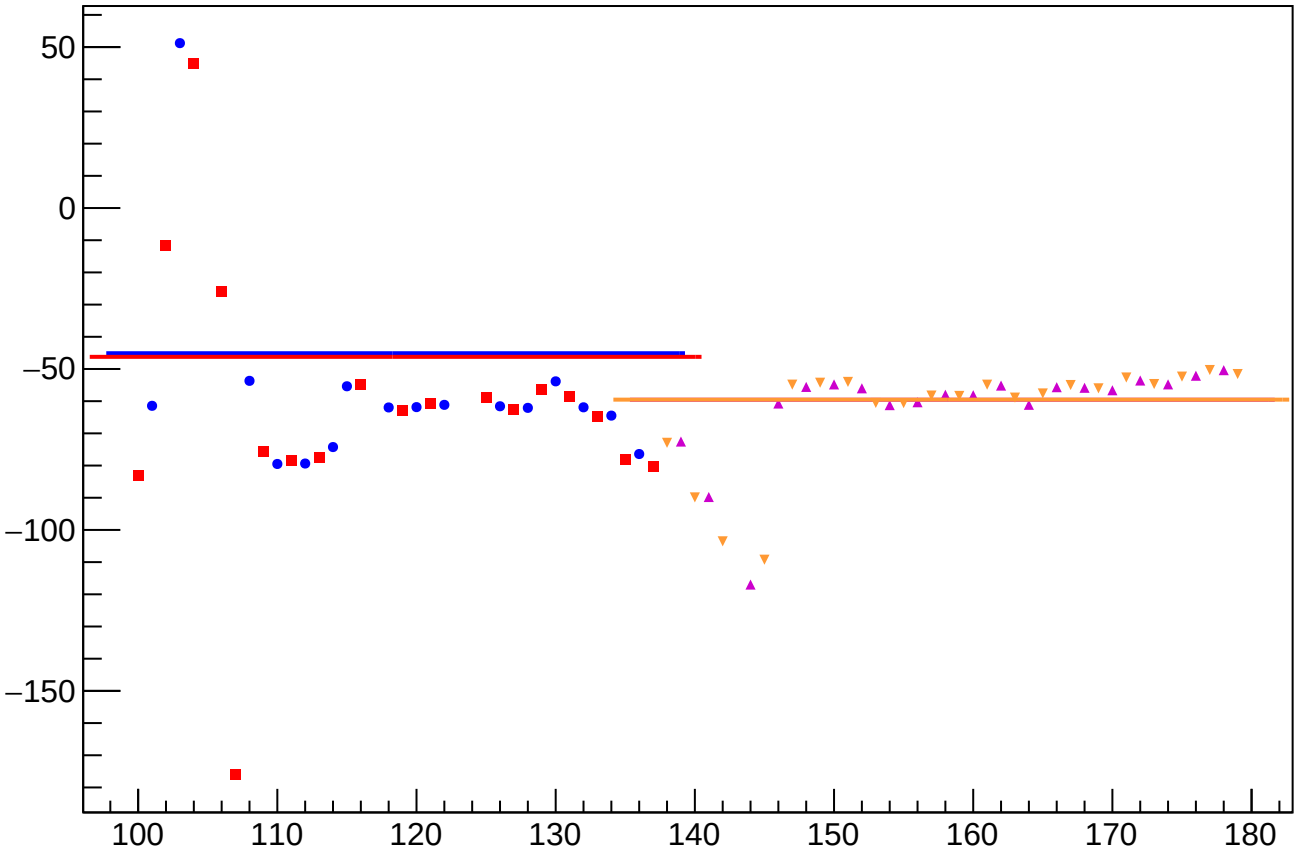
Right Out: -32.459+/-1.027 χ^2/NDF: 580.8/17

Left In: 2.131+/-0.598 χ^2/NDF:736.7/19

+ sign -4.117+/-0.508 χ^2/NDF: 2184.3/36

All: -5.348+/-0.362 χ^2/NDF: 4360.5/74

- sign -6.622+/-0.517 χ^2/NDF: 2164.2/37



Right In: -45.106+/-0.060 χ^2/NDF: 575184.2/15

Left Out: -59.523+/-0.027 χ^2/NDF:213149.1/20

Right Out: -46.229+/-0.063 χ^2/NDF: 493616.3/17

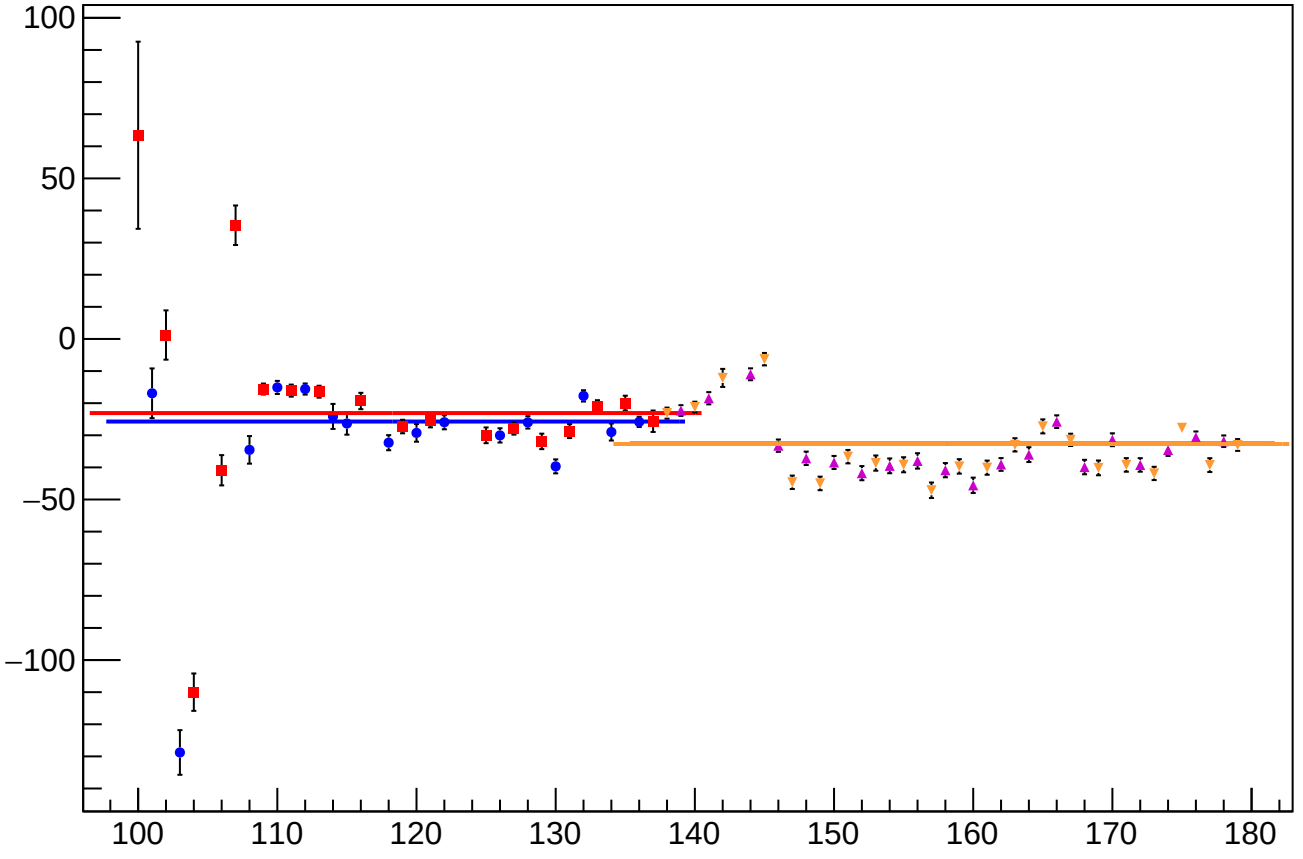
Left In: -59.565+/-0.027 χ^2/NDF:177295.3/19

+ sign -57.120+/-0.025 χ^2/NDF: 836232.8/36

All: -57.304+/-0.017 χ^2/NDF: 1545596.1/74

- sign -57.490+/-0.025 χ^2/NDF: 709250.7/37

reg_asym_us_avg_at1lr_avg_dd_diff_bpm1X_slope vs Slug



Right In: -25.721+/-0.590 χ^2/NDF: 363.0/15

Left Out: -32.710+/-0.448 χ^2/NDF:522.5/20

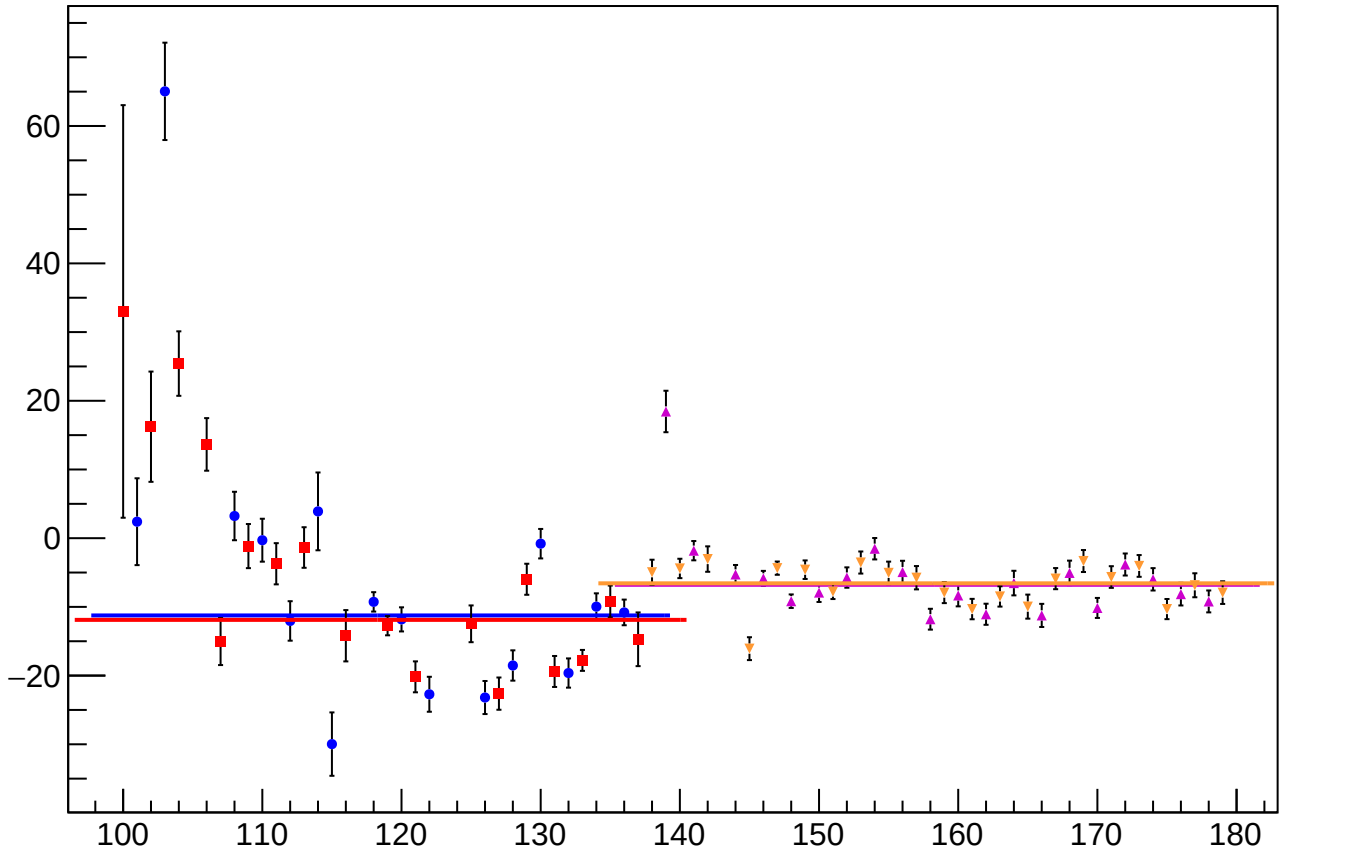
Right Out: -23.079+/-0.582 χ^2/NDF: 437.1/17

Left In: -32.552+/-0.453 χ^2/NDF:363.9/19

+ sign -30.154+/-0.357 χ^2/NDF: 974.4/36

All: -29.567+/-0.253 χ^2/NDF: 1945.9/74

- sign -28.979+/-0.357 χ^2/NDF: 966.1/37



Right In: -11.246+/-0.600 χ^2/NDF: 271.1/15

Left Out: -6.571+/-0.325 χ^2/NDF:79.7/20

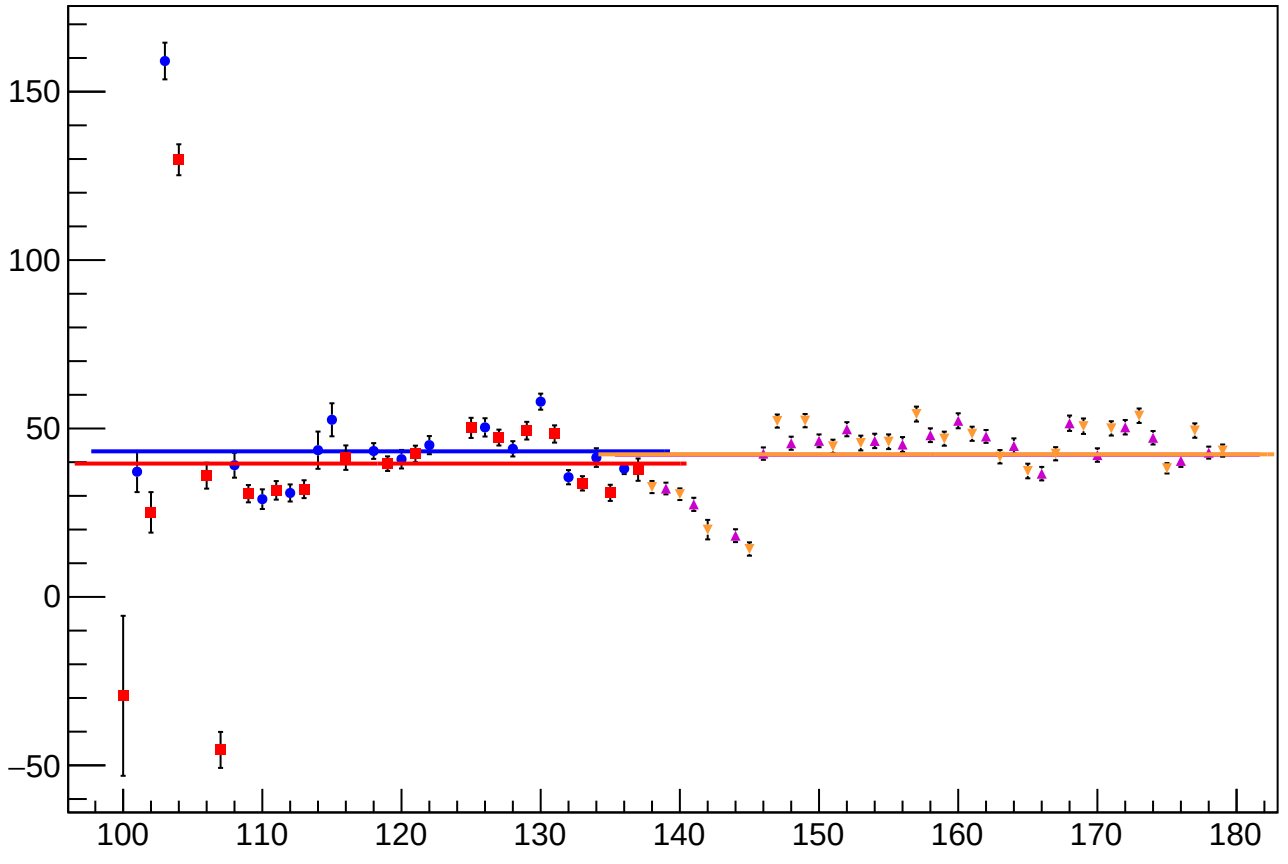
Right Out: -11.890+/-0.607 χ^2/NDF: 224.5/17

Left In: -6.787+/-0.333 χ^2/NDF:143.6/19

\+ sign -7.632+/-0.286 χ^2/NDF: 397.7/36

All: -7.796+/-0.204 χ^2/NDF: 820.8/74

\- sign -7.967+/-0.292 χ^2/NDF: 422.4/37



Right In: 43.222+/-0.678 χ^2/NDF: 576.0/15

Left Out: 42.334+/-0.441 χ^2/NDF:515.4/20

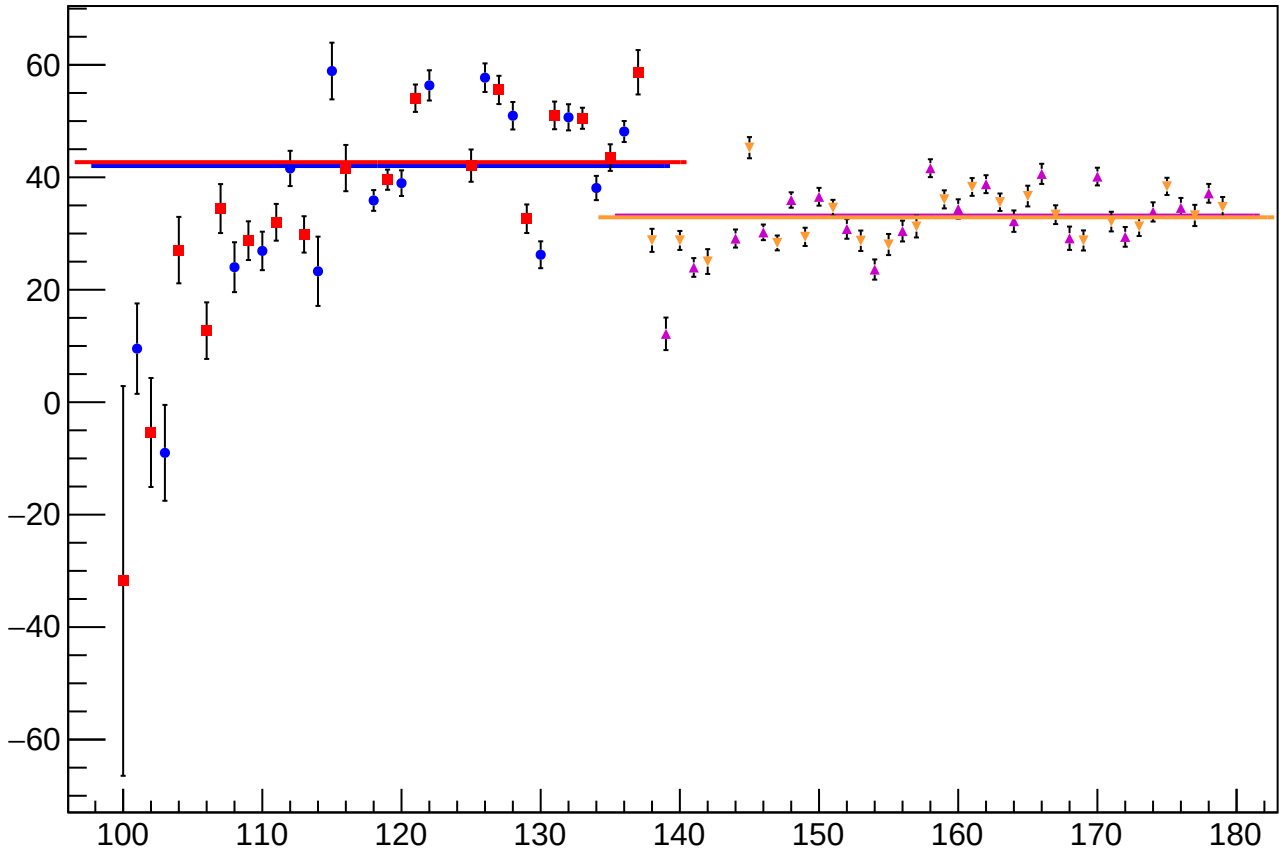
Right Out: 39.587+/-0.685 χ^2/NDF: 754.0/17

Left In: 42.232+/-0.446 χ^2/NDF:358.3/19

\+ sign 42.598+/-0.369 χ^2/NDF: 1092.6/36

All: 42.028+/-0.263 χ^2/NDF: 2220.2/74

\- sign 41.445+/-0.374 χ^2/NDF: 1122.7/37



Right In: 42.006+/-0.684 χ^2/NDF: 272.7/15

Left Out: 32.885+/-0.372 χ^2/NDF:139.6/20

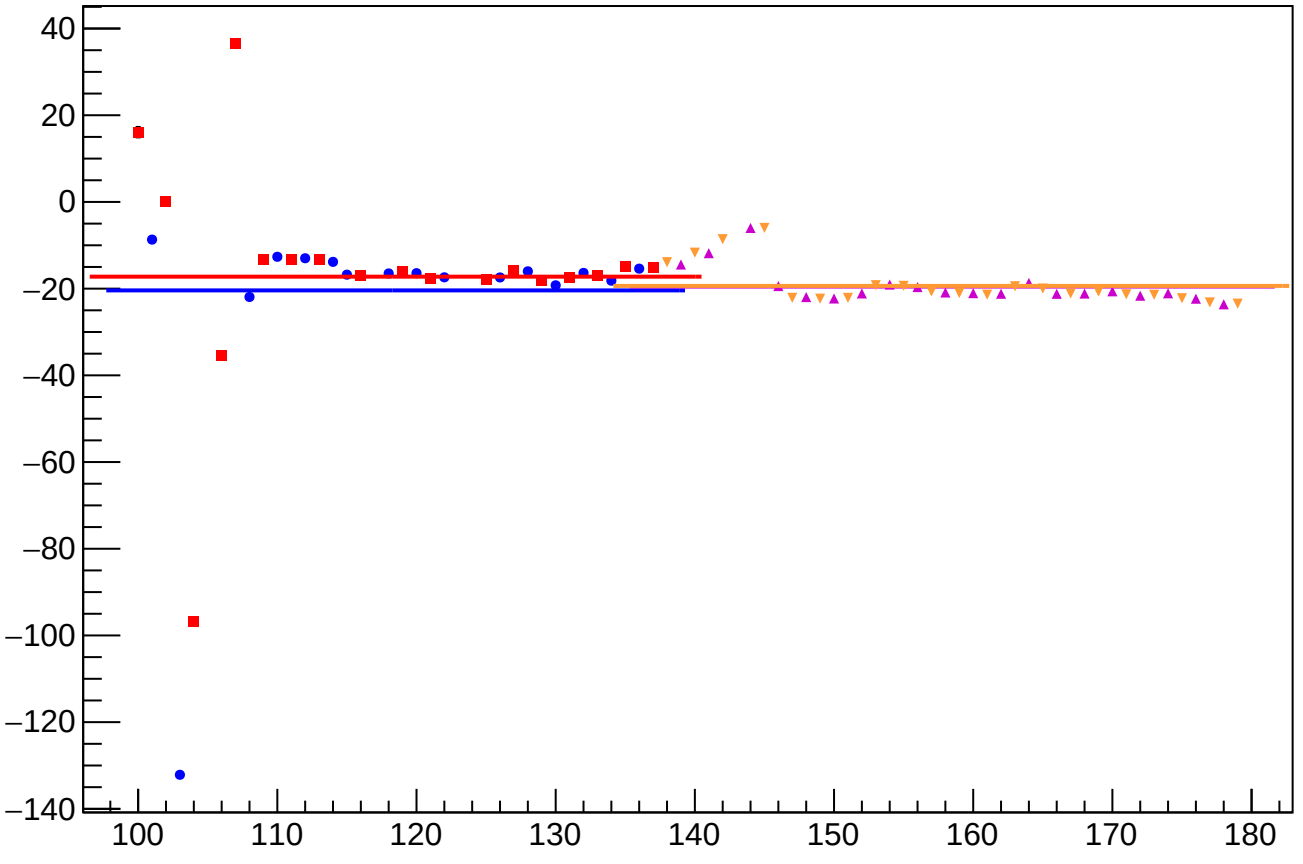
Right Out: 42.696+/-0.695 χ^2/NDF: 230.3/17

Left In: 33.191+/-0.380 χ^2/NDF:228.2/19

+ sign 34.966+/-0.327 χ^2/NDF: 549.7/36

All: 35.167+/-0.233 χ^2/NDF: 1153.1/74

- sign 35.376+/-0.333 χ^2/NDF: 602.6/37



Right In: -20.405+/-0.042 χ^2/NDF: 245611.9/15

Left Out: -19.370+/-0.017 χ^2/NDF:67632.1/20

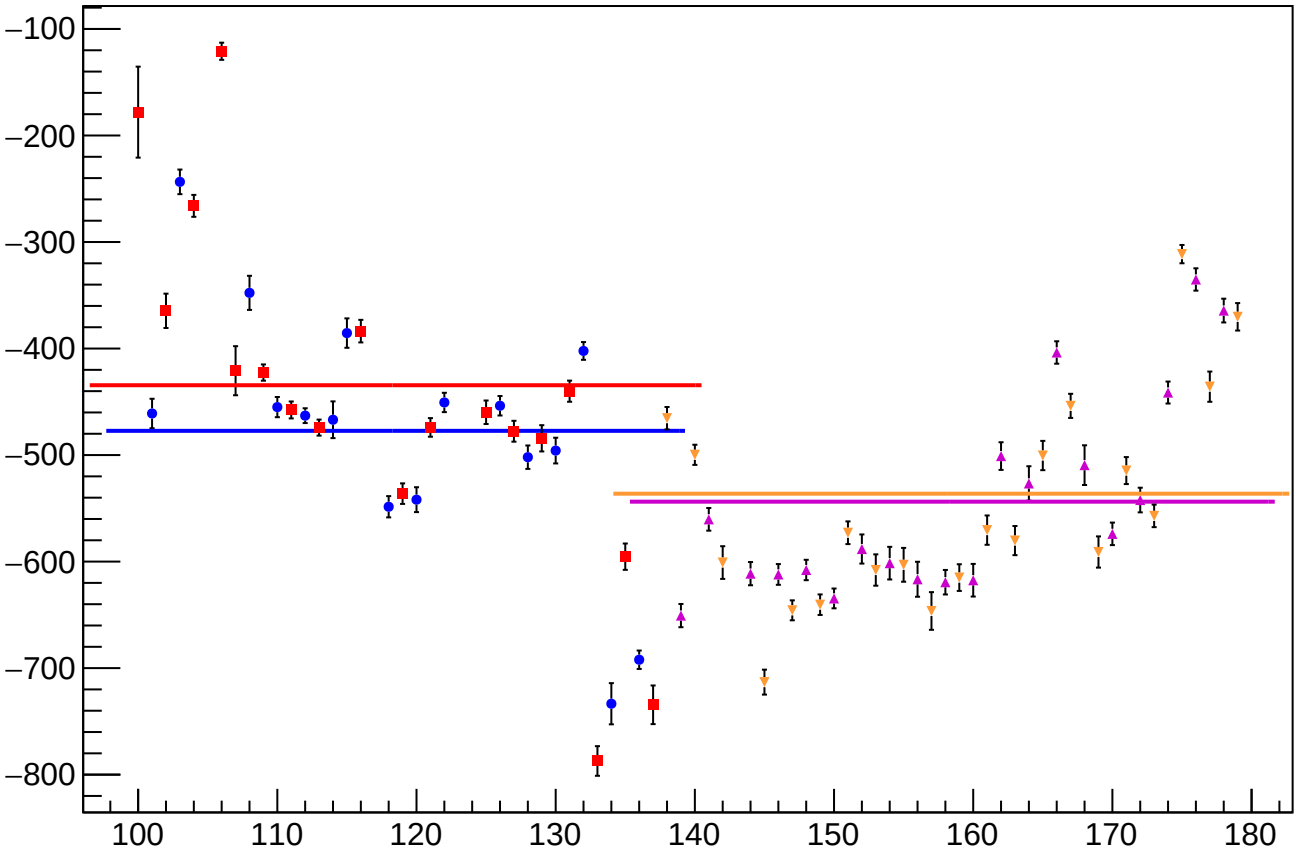
Right Out: -17.236+/-0.044 χ^2/NDF: 204657.3/17

Left In: -19.521+/-0.017 χ^2/NDF:51605.6/19

+ sign -19.513+/-0.016 χ^2/NDF: 313770.1/36

All: -19.373+/-0.011 χ^2/NDF: 572539.8/74

- sign -19.232+/-0.016 χ^2/NDF: 258608.6/37



Right In: -477.255+/-2.633 χ^2/NDF: 1510.8/15

Left Out: -536.258+/-2.591 χ^2/NDF:1689.4/20

Right Out: -434.437+/-2.464 χ^2/NDF: 3161.9/17

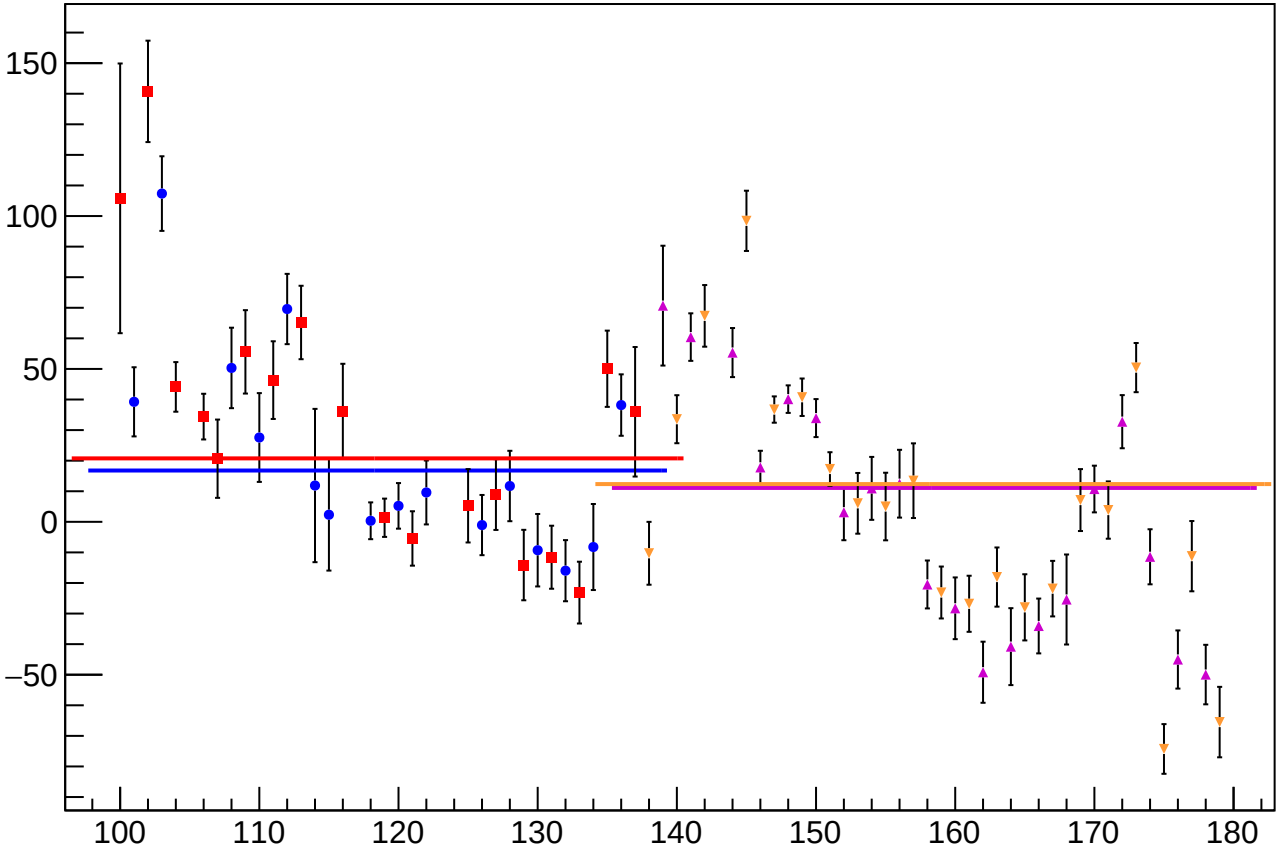
Left In: -543.747+/-2.595 χ^2/NDF:1392.1/19

\+ sign -507.231+/-1.847 χ^2/NDF: 3455.3/36

All: -496.400+/-1.284 χ^2/NDF: 9009.1/74

\- sign -486.264+/-1.787 χ^2/NDF: 5487.2/37

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4aY_slope vs Slug



Right In: 16.780+/-2.654 χ^2/NDF: 125.0/15

Left Out: 12.344+/-1.800 χ^2/NDF:434.2/20

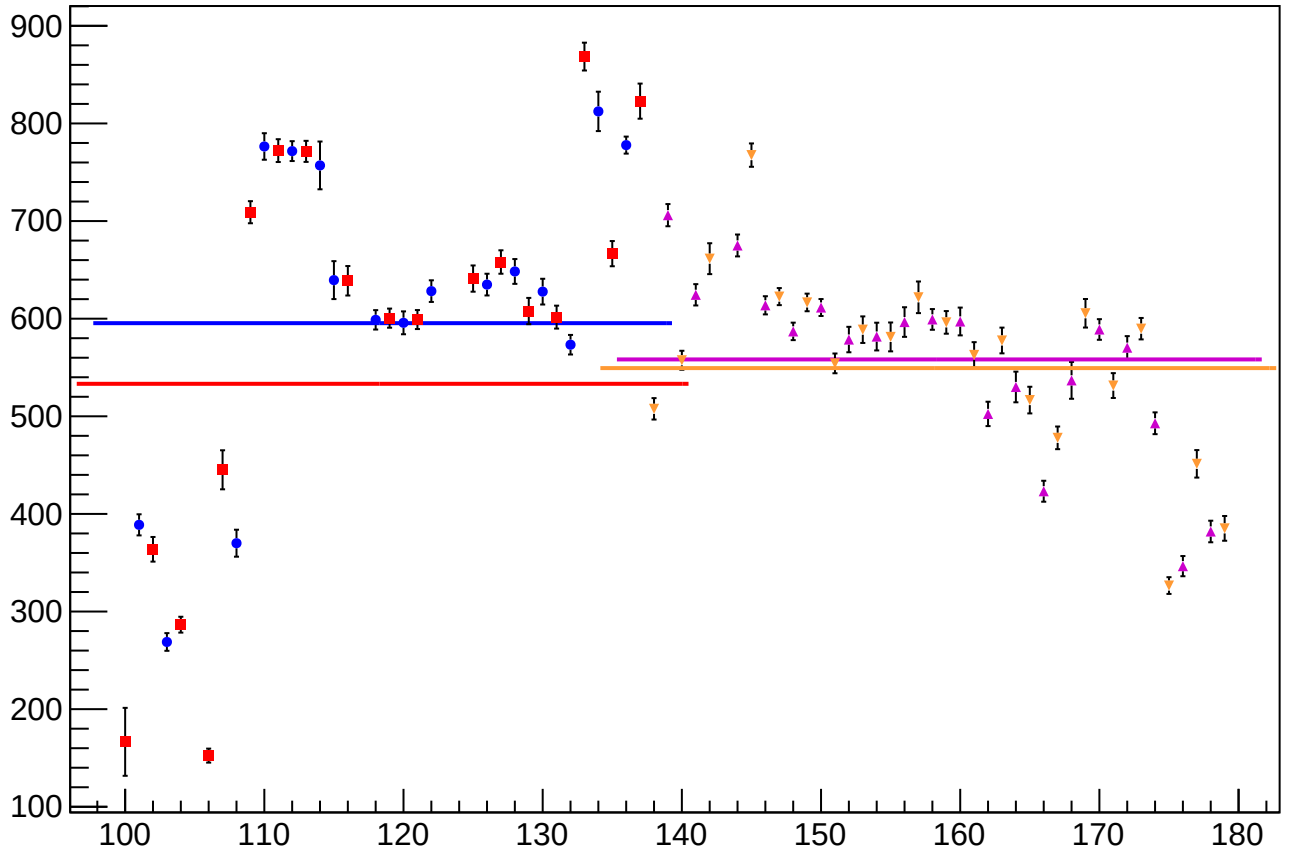
Right Out: 20.749+/-2.548 χ^2/NDF: 157.9/17

Left In: 11.086+/-1.835 χ^2/NDF:340.3/19

+ sign 13.742+/-1.490 χ^2/NDF: 561.0/36

All: 14.063+/-1.053 χ^2/NDF: 1068.9/74

- sign 14.384+/-1.489 χ^2/NDF: 507.7/37



Right In: 595.406+/-2.930 χ^2/NDF: 3059.7/15

Left Out: 549.376+/-2.543 χ^2/NDF:1545.4/20

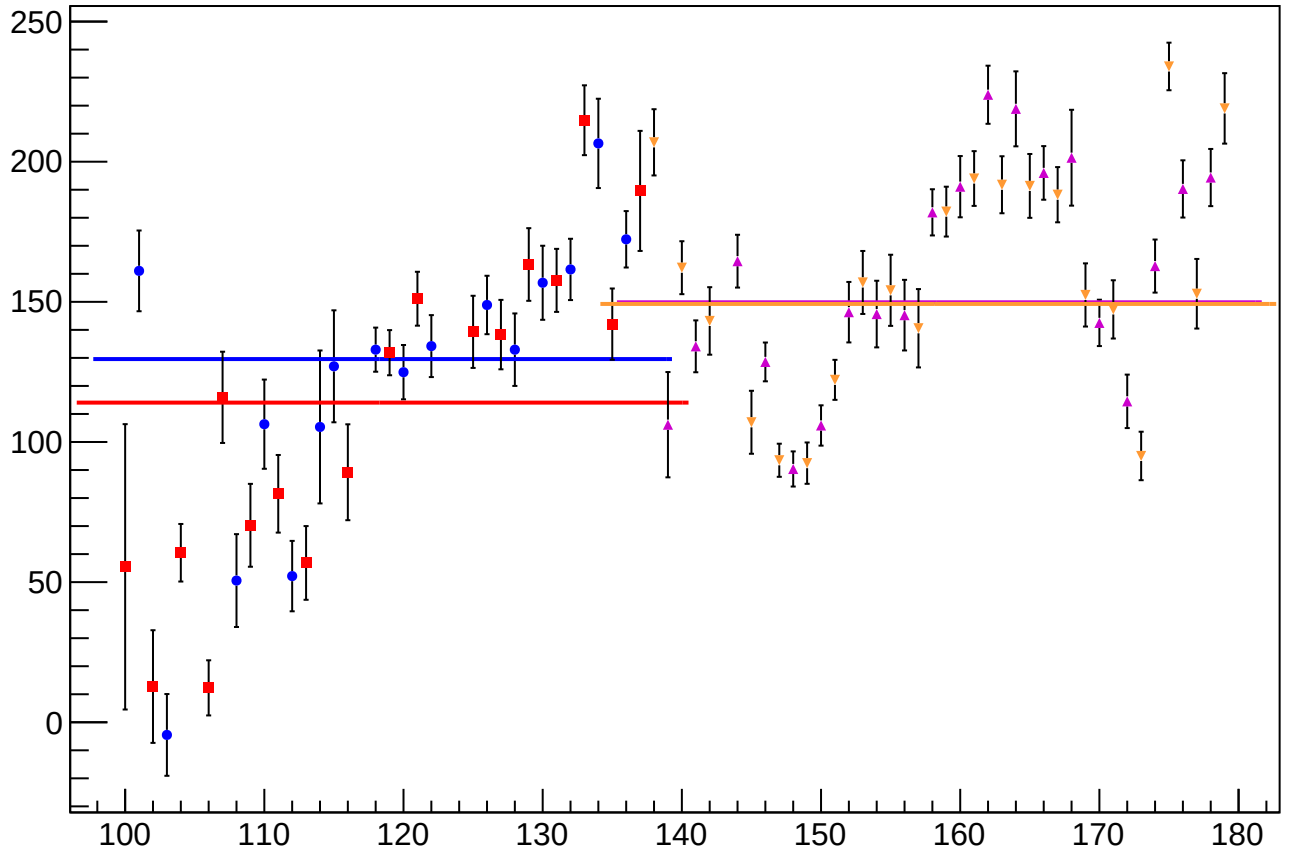
Right Out: 533.283+/-2.746 χ^2/NDF: 6502.9/17

Left In: 558.260+/-2.548 χ^2/NDF:1331.3/19

+ sign 569.152+/-1.920 χ^2/NDF: 4745.9/36

All: 557.617+/-1.339 χ^2/NDF: 12694.8/74

- sign 546.705+/-1.868 χ^2/NDF: 7878.7/37



Right In: 129.586+/-3.081 χ^2/NDF: 211.2/15

Left Out: 149.254+/-2.098 χ^2/NDF:455.5/20

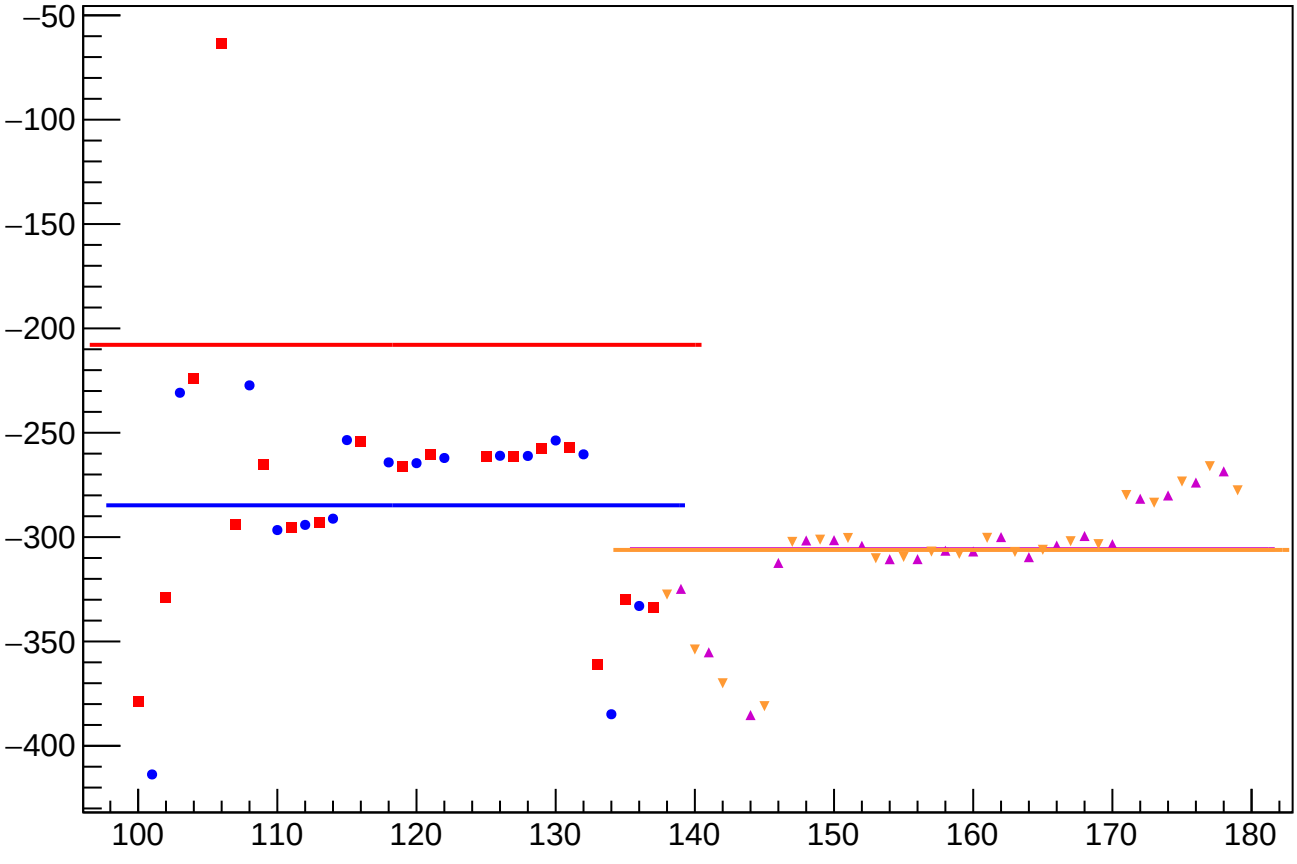
Right Out: 114.048+/-2.976 χ^2/NDF: 335.9/17

Left In: 149.841+/-2.124 χ^2/NDF:338.4/19

+ sign 143.021+/-1.734 χ^2/NDF: 694.5/36

All: 140.385+/-1.224 χ^2/NDF: 1469.4/74

- sign 137.765+/-1.729 χ^2/NDF: 770.2/37



Right In: -284.765+/-0.178 χ^2/NDF: 104370.4/15

Left Out: -306.137+/-0.099 χ^2/NDF:72457.1/20

Right Out: -207.875+/-0.149 χ^2/NDF: 536707.7/17

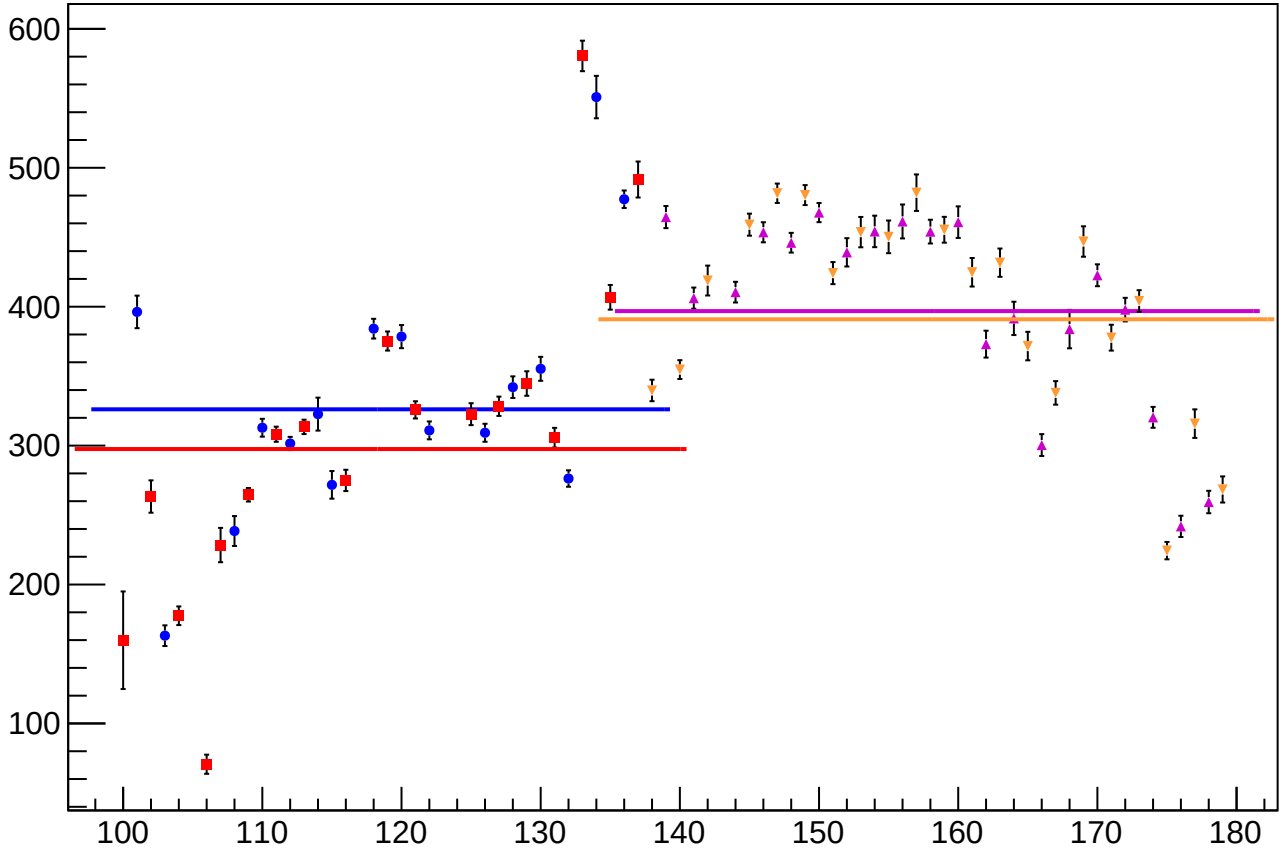
Left In: -305.785+/-0.097 χ^2/NDF:59374.1/19

+ sign -301.105+/-0.086 χ^2/NDF: 187904.9/36

All: -288.102+/-0.059 χ^2/NDF: 1130359.7/74

- sign -276.492+/-0.081 χ^2/NDF: 899340.5/37

reg_asym_us_avg_at2lr_avg_dd_diff_bpm1X_slope vs Slug



Right In: 326.133+/-1.857 χ^2/NDF: 1642.9/15

Left Out: 390.946+/-1.899 χ^2/NDF:1681.0/20

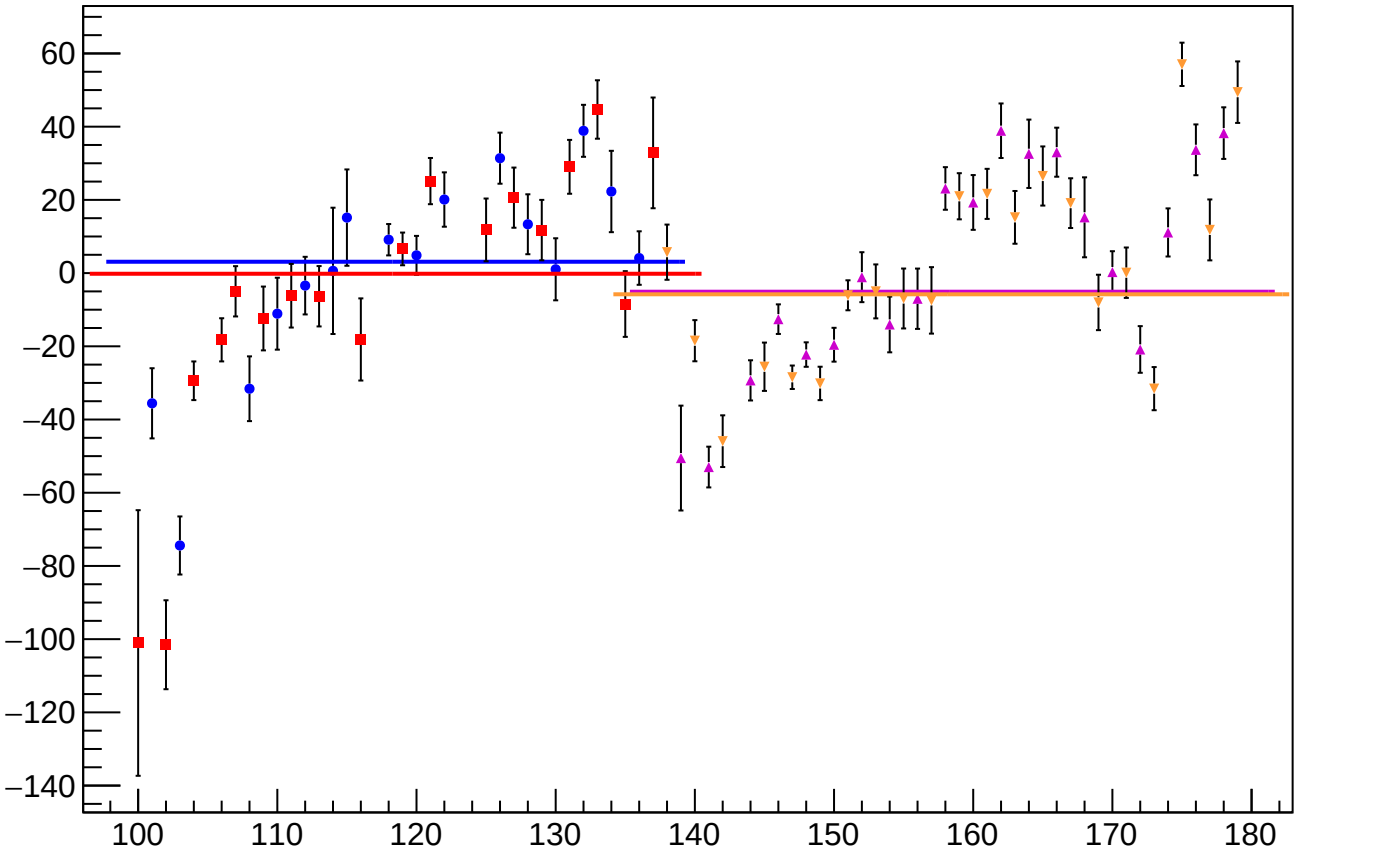
Right Out: 297.538+/-1.735 χ^2/NDF: 2775.4/17

Left In: 396.844+/-1.905 χ^2/NDF:1410.8/19

+ sign 357.811+/-1.328 χ^2/NDF: 3919.5/36

All: 349.922+/-0.922 χ^2/NDF: 9659.9/74

- sign 342.561+/-1.282 χ^2/NDF: 5672.1/37



Right In: 3.101+/-1.892 χ^2/NDF: 184.5/15

Left Out: -5.791+/-1.324 χ^2/NDF:379.7/20

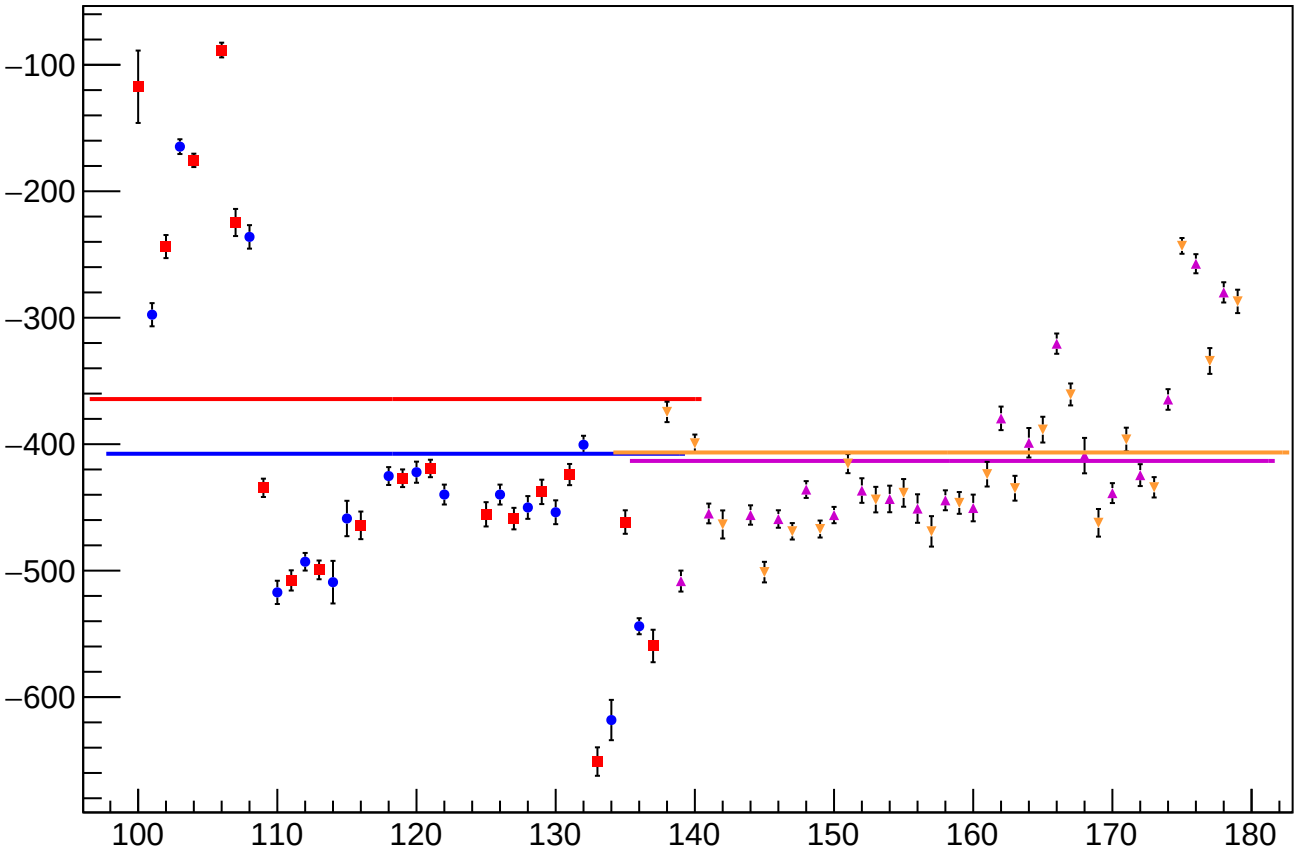
Right Out: -0.180+/-1.791 χ^2/NDF: 205.2/17

Left In: -5.085+/-1.350 χ^2/NDF:348.1/19

+ sign -2.867+/-1.085 χ^2/NDF: 579.0/36

All: -3.089+/-0.765 χ^2/NDF: 1137.2/74

- sign -3.307+/-1.078 χ^2/NDF: 558.1/37



Right In: -407.575+/-2.074 χ^2/NDF: 3280.5/15

Left Out: -406.555+/-1.866 χ^2/NDF:1407.4/20

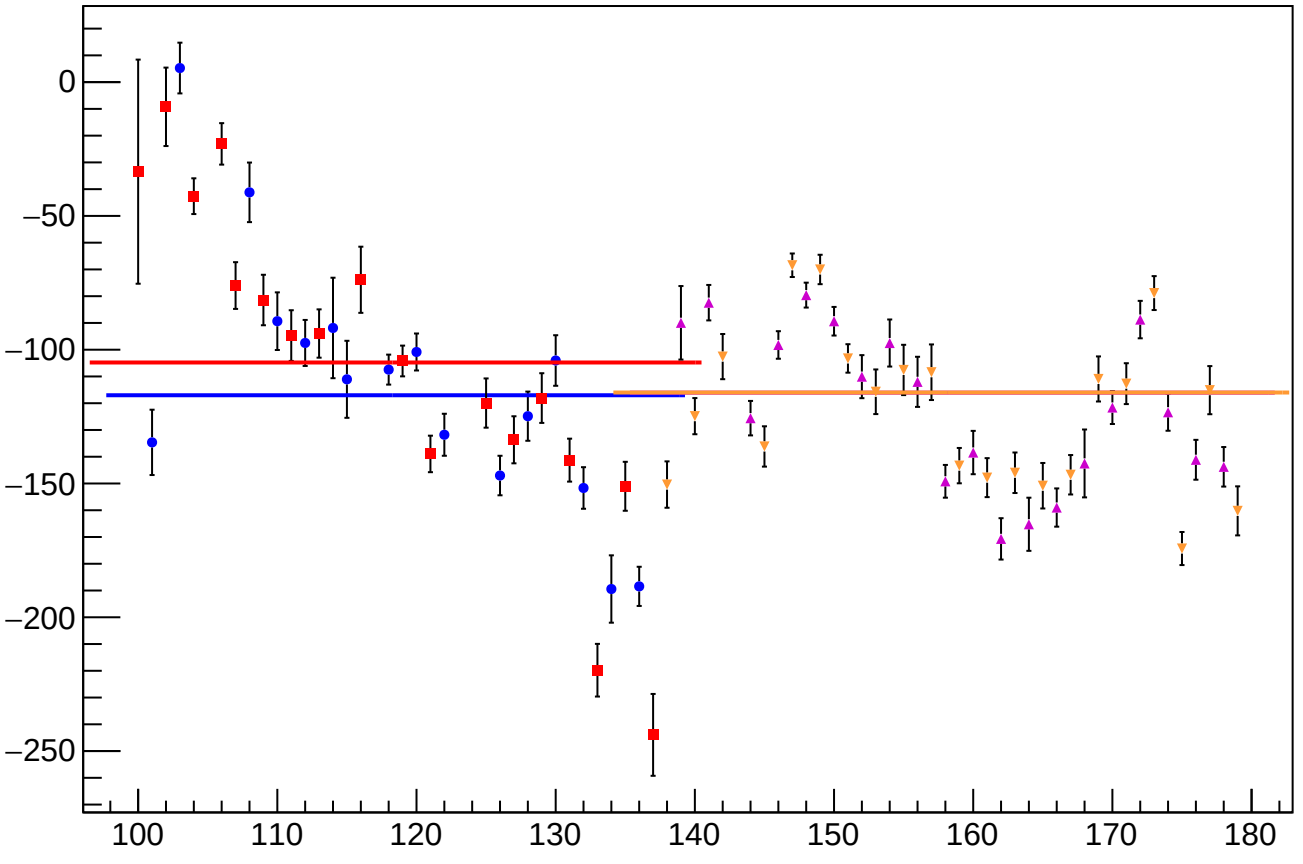
Right Out: -364.323+/-1.942 χ^2/NDF: 6220.4/17

Left In: -413.245+/-1.872 χ^2/NDF:1242.9/19

+ sign -407.011+/-1.387 χ^2/NDF: 4688.1/36

All: -398.100+/-0.967 χ^2/NDF: 12560.6/74

- sign -389.684+/-1.348 χ^2/NDF: 7792.2/37



Right In: -117.021+/-2.194 χ^2/NDF: 407.8/15

Left Out: -116.001+/-1.543 χ^2/NDF:454.6/20

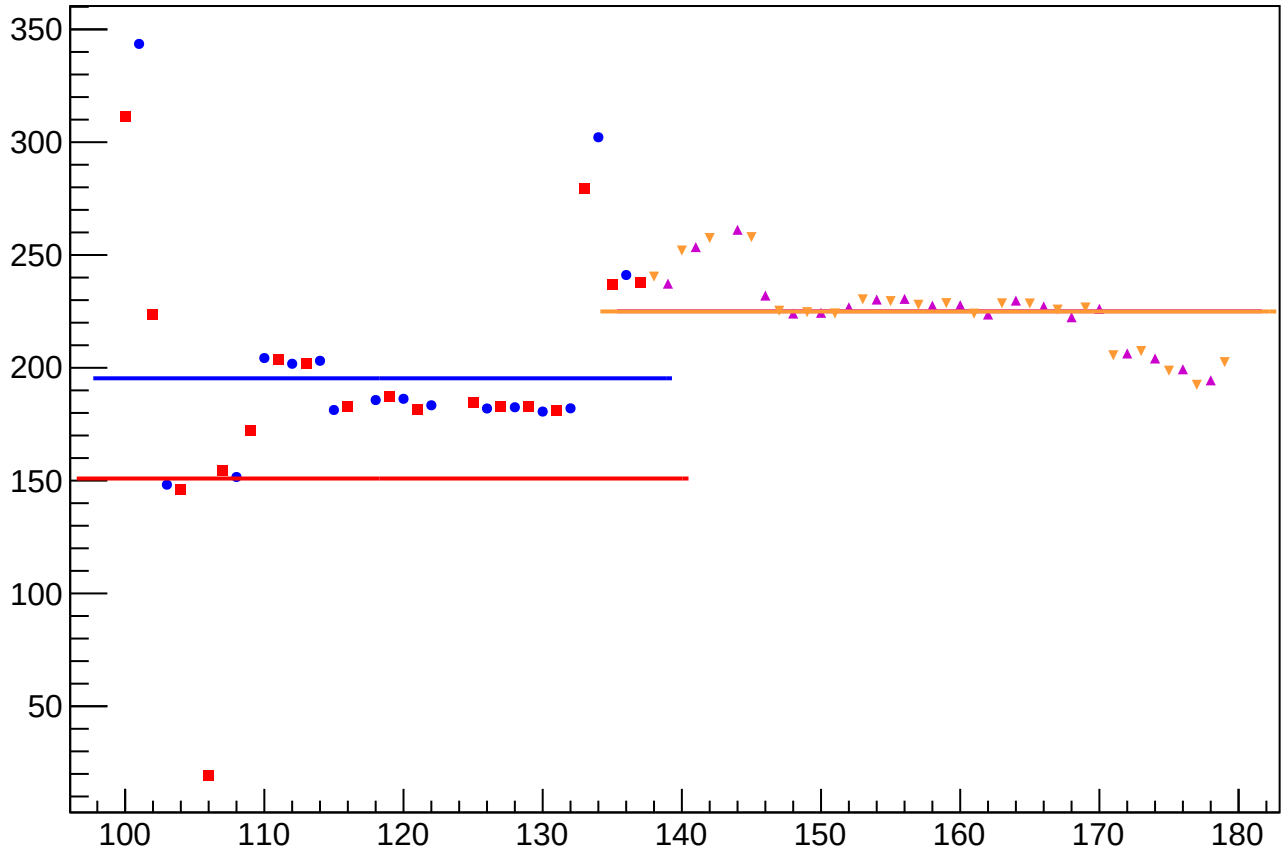
Right Out: -104.780+/-2.091 χ^2/NDF: 575.1/17

Left In: -116.061+/-1.563 χ^2/NDF:329.5/19

+ sign -116.338+/-1.262 χ^2/NDF: 862.5/36

All: -114.160+/-0.889 χ^2/NDF: 1791.7/74

- sign -112.017+/-1.252 χ^2/NDF: 923.3/37



Right In: 195.351+/-0.125 χ^2/NDF: 176975.5/15

Left Out: 224.970+/-0.072 χ^2/NDF:52543.2/20

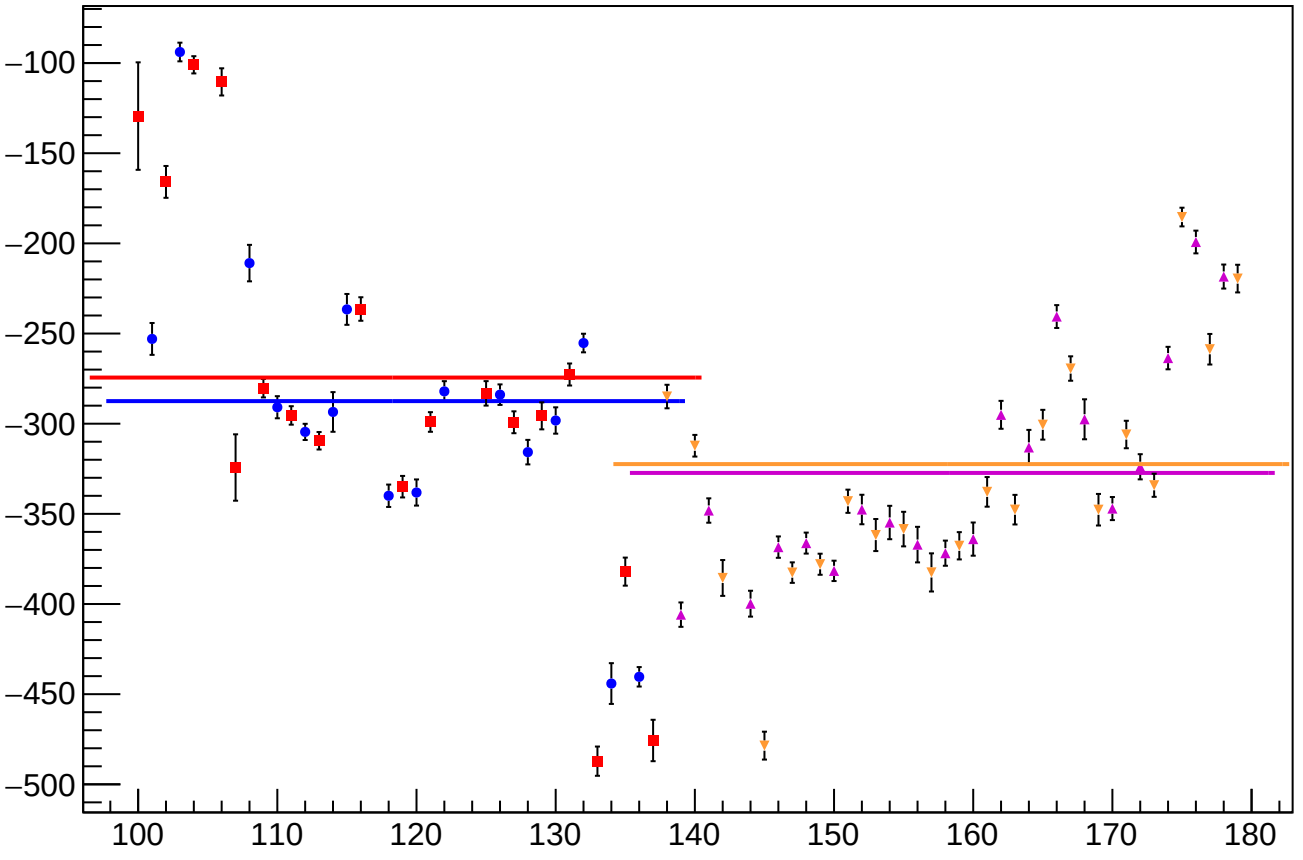
Right Out: 150.932+/-0.110 χ^2/NDF: 499233.7/17

Left In: 225.090+/-0.072 χ^2/NDF:45152.7/19

+ sign 217.496+/-0.063 χ^2/NDF: 271747.1/36

All: 209.984+/-0.043 χ^2/NDF: 1162383.6/74

- sign 203.081+/-0.060 χ^2/NDF: 863011.1/37



Right In: -287.476+/-1.611 χ^2/NDF: 2696.5/15

Left Out: -322.407+/-1.579 χ^2/NDF:1832.2/20

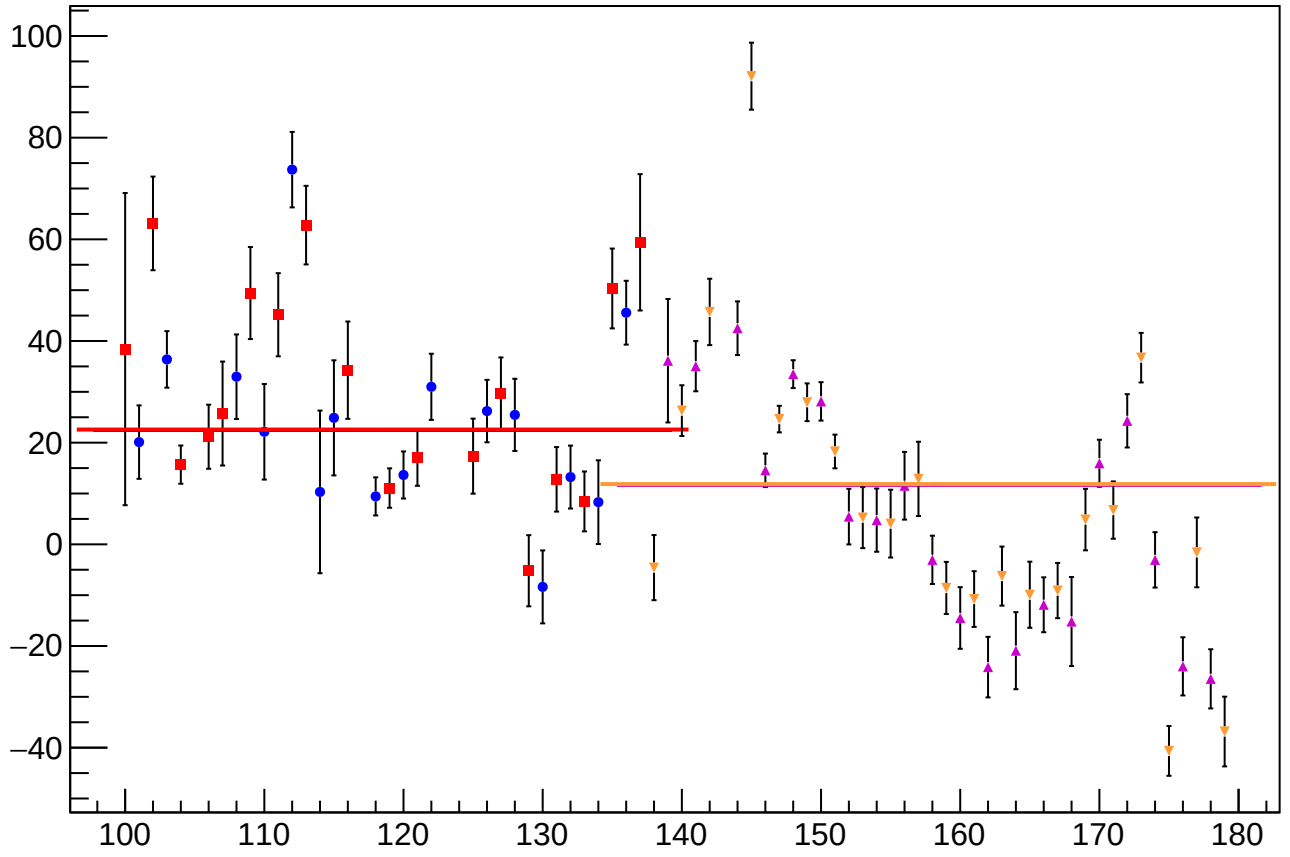
Right Out: -274.417+/-1.551 χ^2/NDF: 3413.4/17

Left In: -327.303+/-1.580 χ^2/NDF:1527.9/19

\+ sign -305.298+/-1.128 χ^2/NDF: 4768.5/36

All: -302.789+/-0.790 χ^2/NDF: 10289.9/74

\- sign -300.371+/-1.107 χ^2/NDF: 5511.6/37



Right In: 22.492+/-1.621 χ^2/NDF: 111.4/15

Left Out: 11.850+/-1.095 χ^2/NDF:505.2/20

Right Out: 22.580+/-1.570 χ^2/NDF: 123.3/17

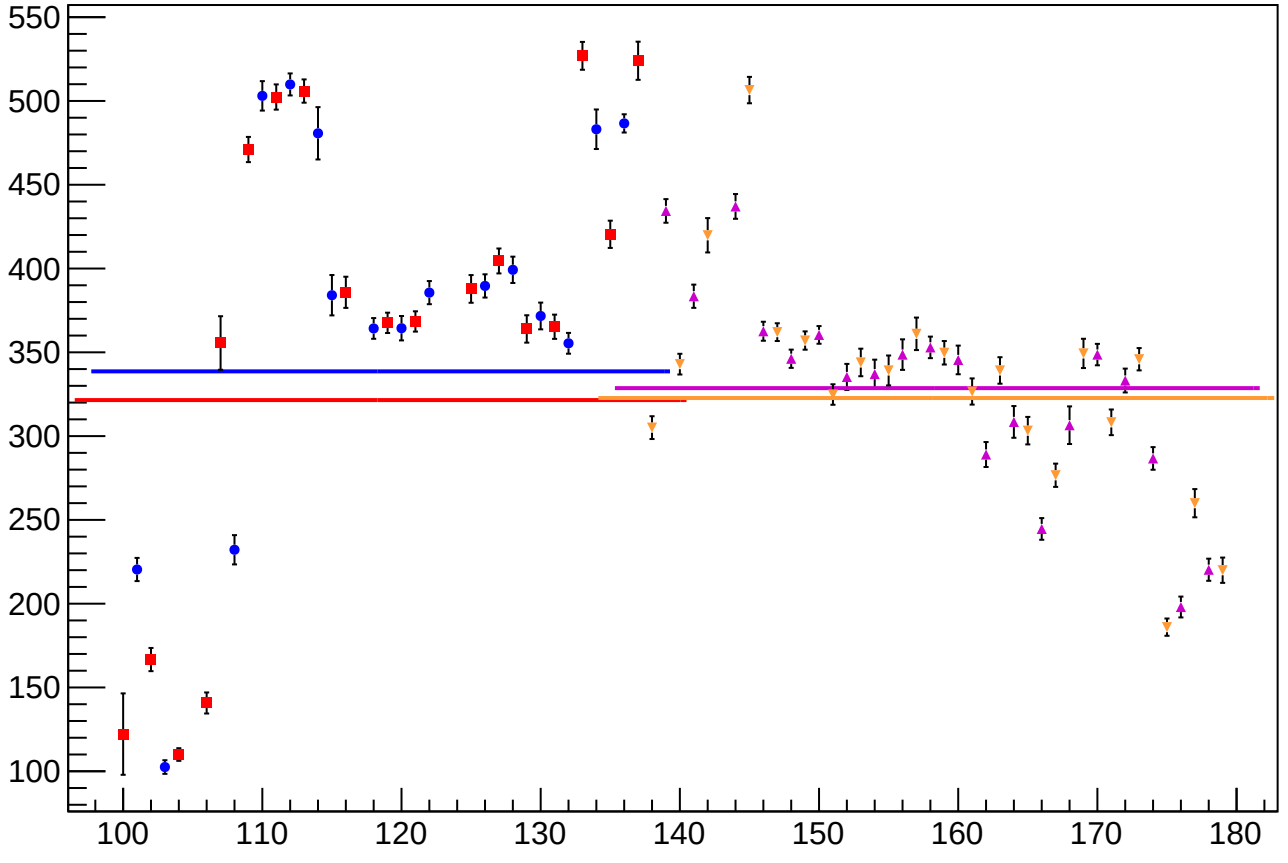
Left In: 11.686+/-1.117 χ^2/NDF:353.2/19

\+ sign 15.187+/-0.907 χ^2/NDF: 646.2/36

All: 15.266+/-0.643 χ^2/NDF: 1154.8/74

\- sign 15.347+/-0.910 χ^2/NDF: 508.5/37

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eX_slope vs Slug



Right In: 338.633+/-1.748 χ^2/NDF: 6042.6/15

Left Out: 322.721+/-1.547 χ^2/NDF:1809.0/20

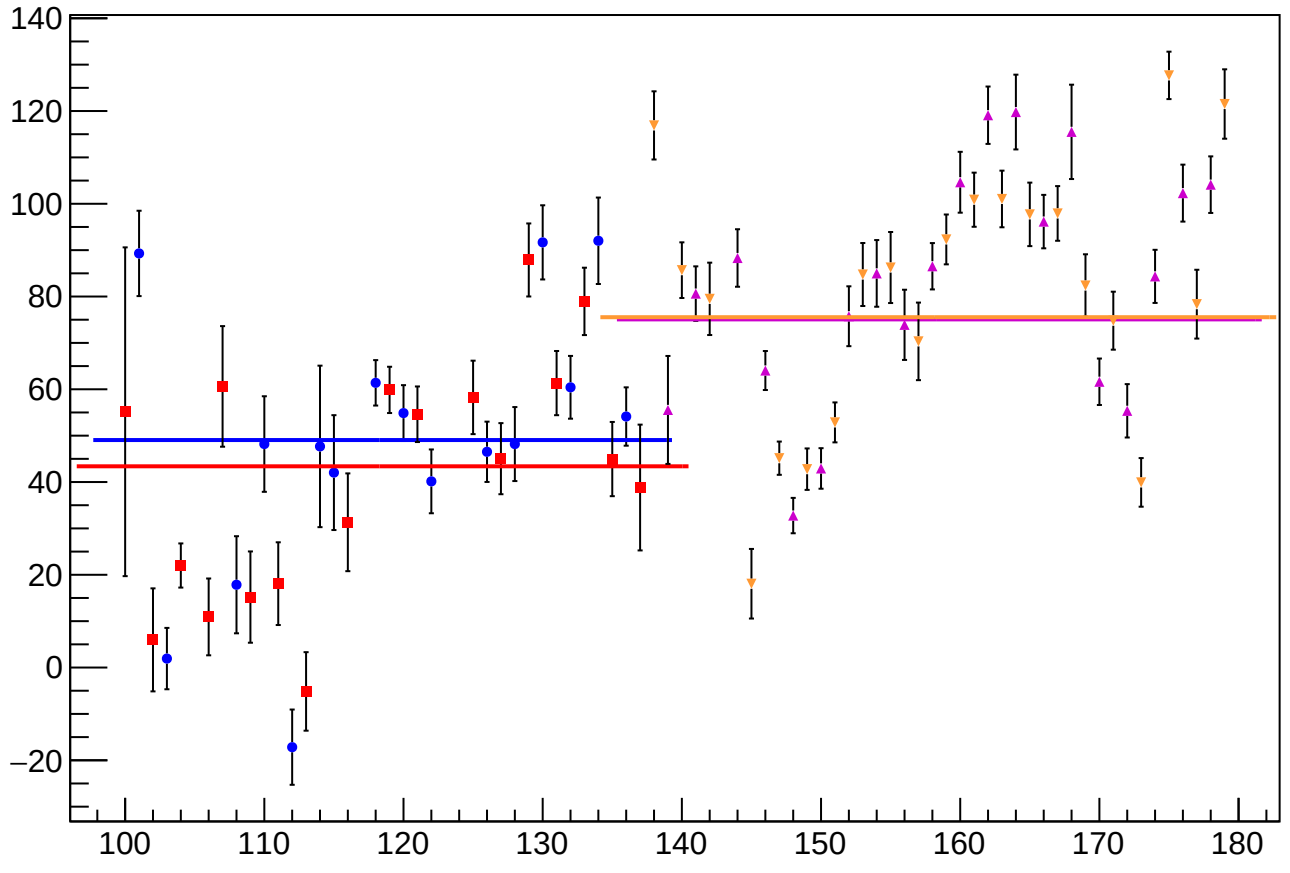
Right Out: 321.500+/-1.694 χ^2/NDF: 7720.8/17

Left In: 328.632+/-1.551 χ^2/NDF:1574.7/19

+ sign 329.711+/-1.159 χ^2/NDF: 7898.1/36

All: 327.518+/-0.814 χ^2/NDF: 17210.3/74

- sign 325.381+/-1.144 χ^2/NDF: 9305.1/37



Right In: 49.053+/-1.882 χ^2/NDF: 207.9/15

Left Out: 75.541+/-1.276 χ^2/NDF:511.0/20

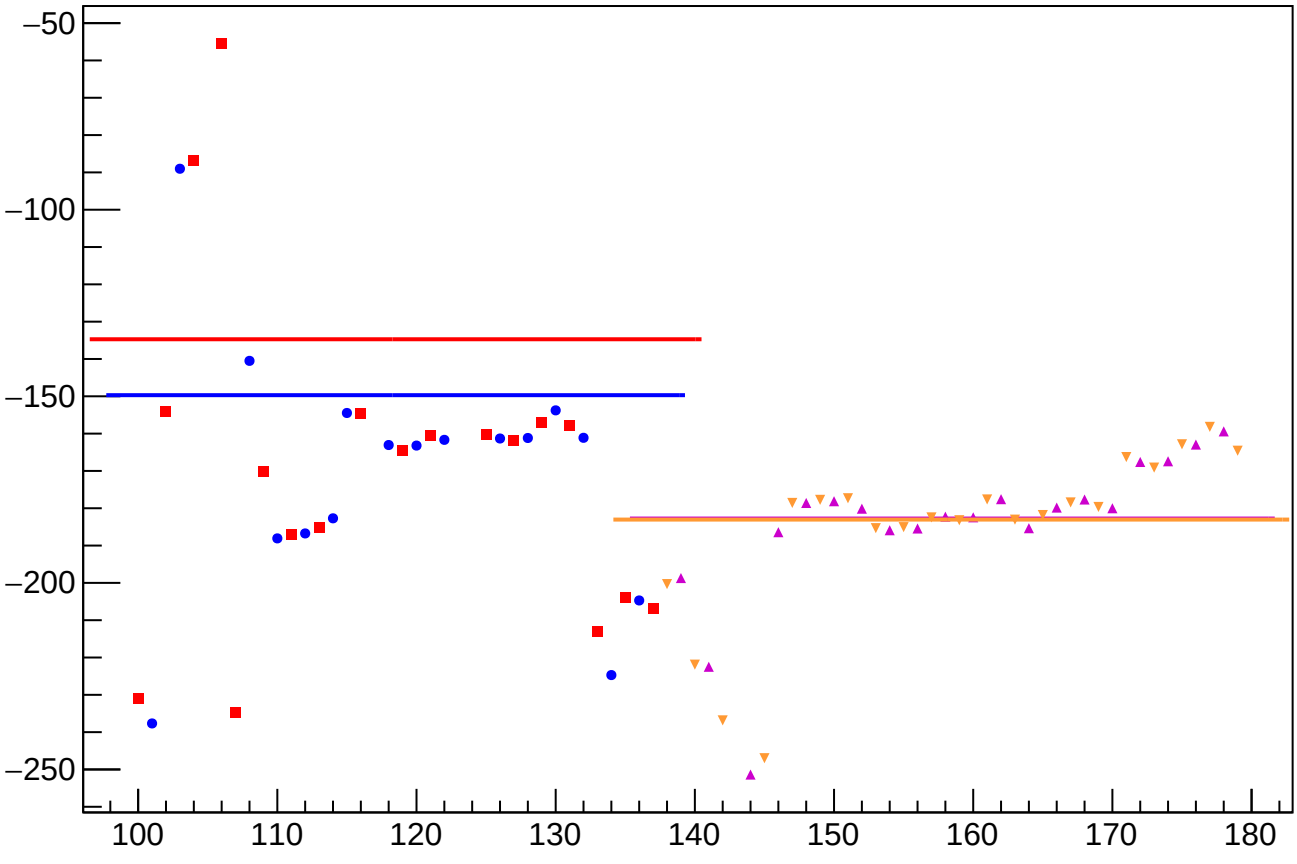
Right Out: 43.392+/-1.834 χ^2/NDF: 180.0/17

Left In: 75.070+/-1.292 χ^2/NDF:394.3/19

+ sign 67.204+/-1.056 χ^2/NDF: 854.6/36

All: 65.885+/-0.747 χ^2/NDF: 1631.5/74

- sign 64.565+/-1.056 χ^2/NDF: 773.7/37



Right In: -149.698+/-0.101 χ^2/NDF: 256472.2/15

Left Out: -183.035+/-0.060 χ^2/NDF:108969.1/20

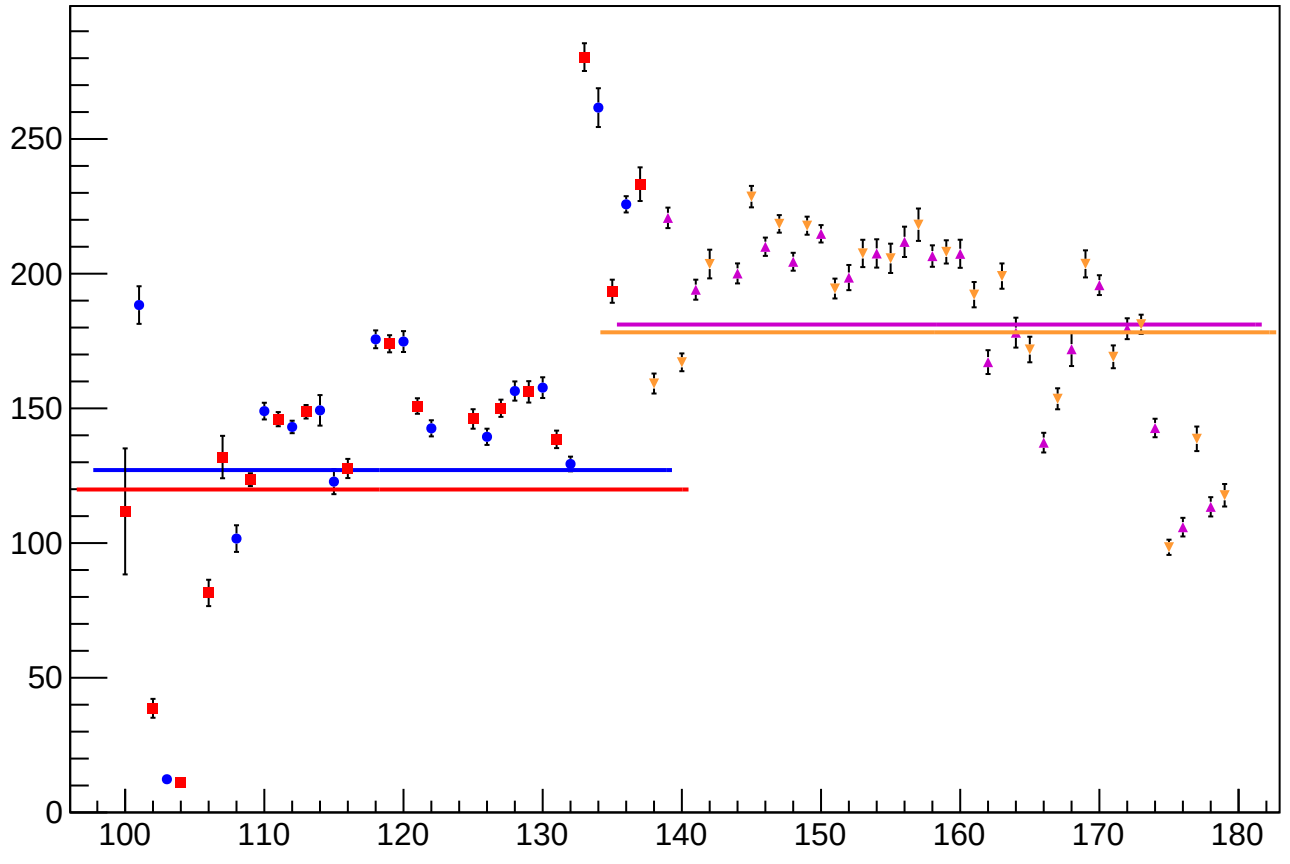
Right Out: -134.715+/-0.097 χ^2/NDF: 312639.8/17

Left In: -182.759+/-0.059 χ^2/NDF:88567.1/19

+ sign -174.347+/-0.051 χ^2/NDF: 446281.0/36

All: -172.005+/-0.036 χ^2/NDF: 1030477.3/74

- sign -169.754+/-0.050 χ^2/NDF: 580136.3/37



Right In: 127.100+/-0.811 χ^2/NDF: 6163.2/15

Left Out: 178.236+/-0.884 χ^2/NDF:1865.6/20

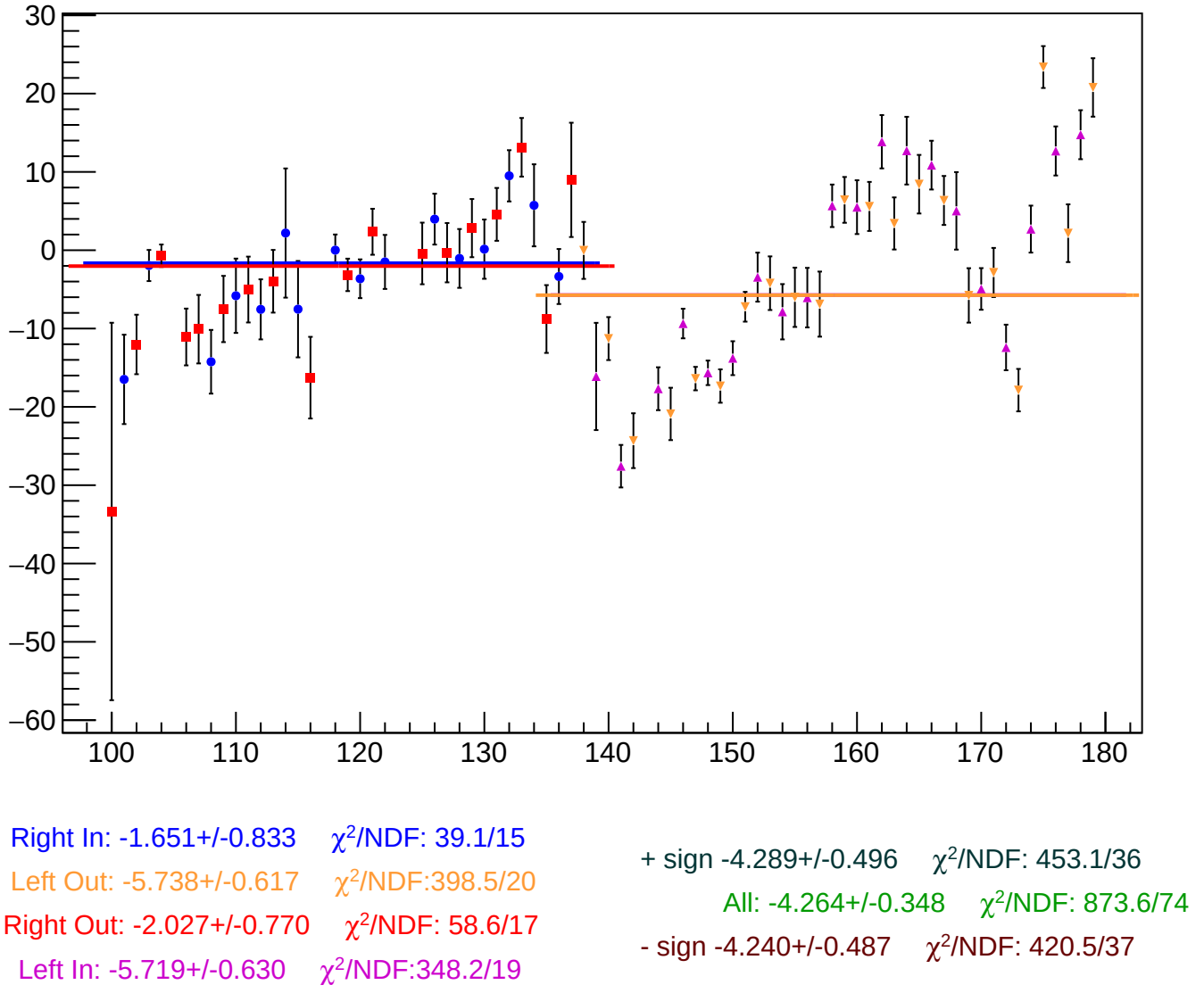
Right Out: 119.886+/-0.774 χ^2/NDF: 6649.6/17

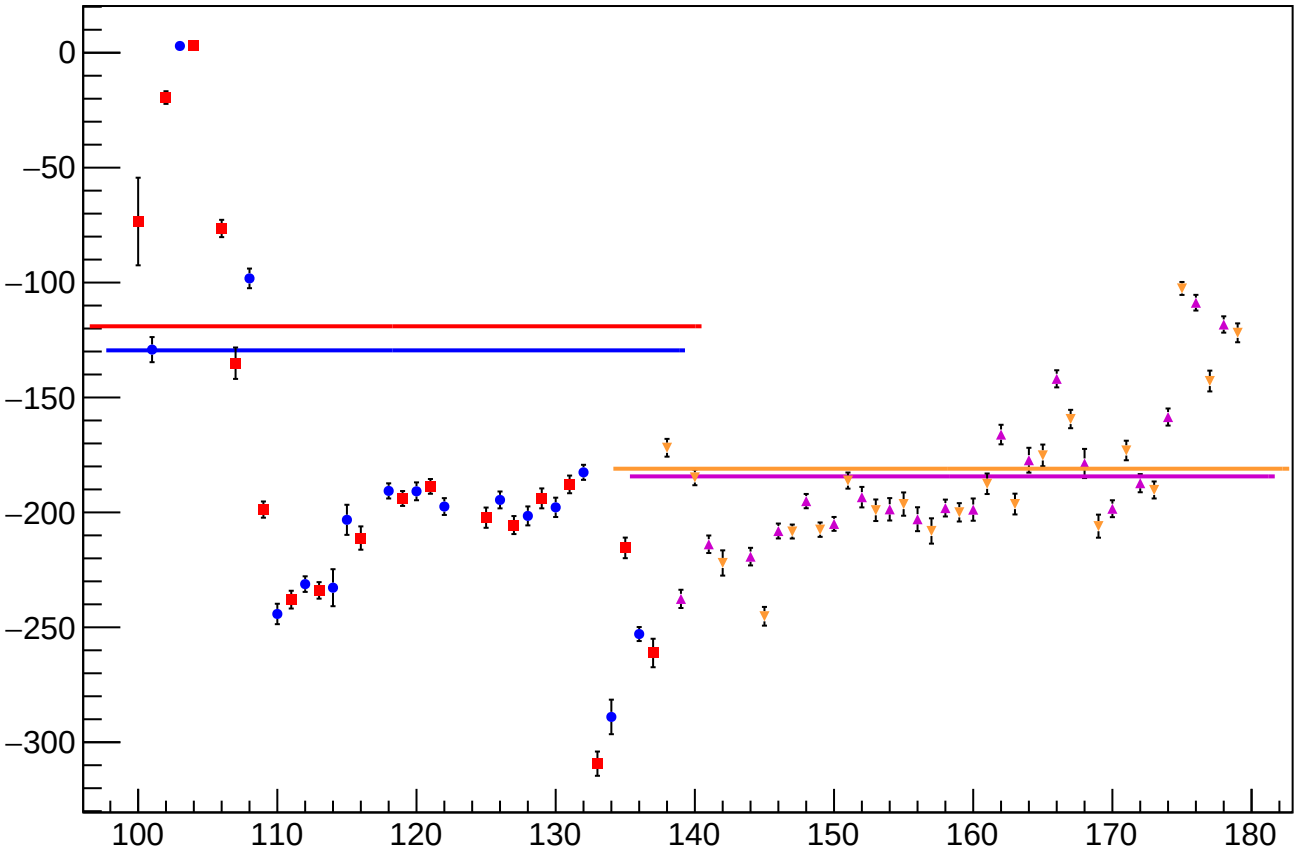
Left In: 181.123+/-0.887 χ^2/NDF:1639.9/19

\+ sign 150.458+/-0.598 χ^2/NDF: 9845.7/36

All: 148.365+/-0.417 χ^2/NDF: 20864.9/74

\- sign 146.372+/-0.583 χ^2/NDF: 10995.3/37


reg_asym_us_avg_atlr_avg_dd_diff_bpm4aY_slope vs Slug
30
20
10
0
−10
−20
−30
−40
−50
−60
100
110
120
130
140
150
160
170
180
Right In: -1.651+/-0.833 χ²/NDF: 39.1/15
Left Out: -5.738+/-0.617 χ²/NDF:398.5/20
Right Out: -2.027+/-0.770 χ²/NDF: 58.6/17
Left In: -5.719+/-0.630 χ²/NDF:348.2/19
+ sign -4.289+/-0.496 χ²/NDF: 453.1/36
All: -4.264+/-0.348 χ²/NDF: 873.6/74
- sign -4.240+/-0.487 χ²/NDF: 420.5/37



Right In: -129.497+/-0.846 χ^2/NDF: 14687.9/15

Left Out: -180.989+/-0.868 χ^2/NDF:1668.2/20

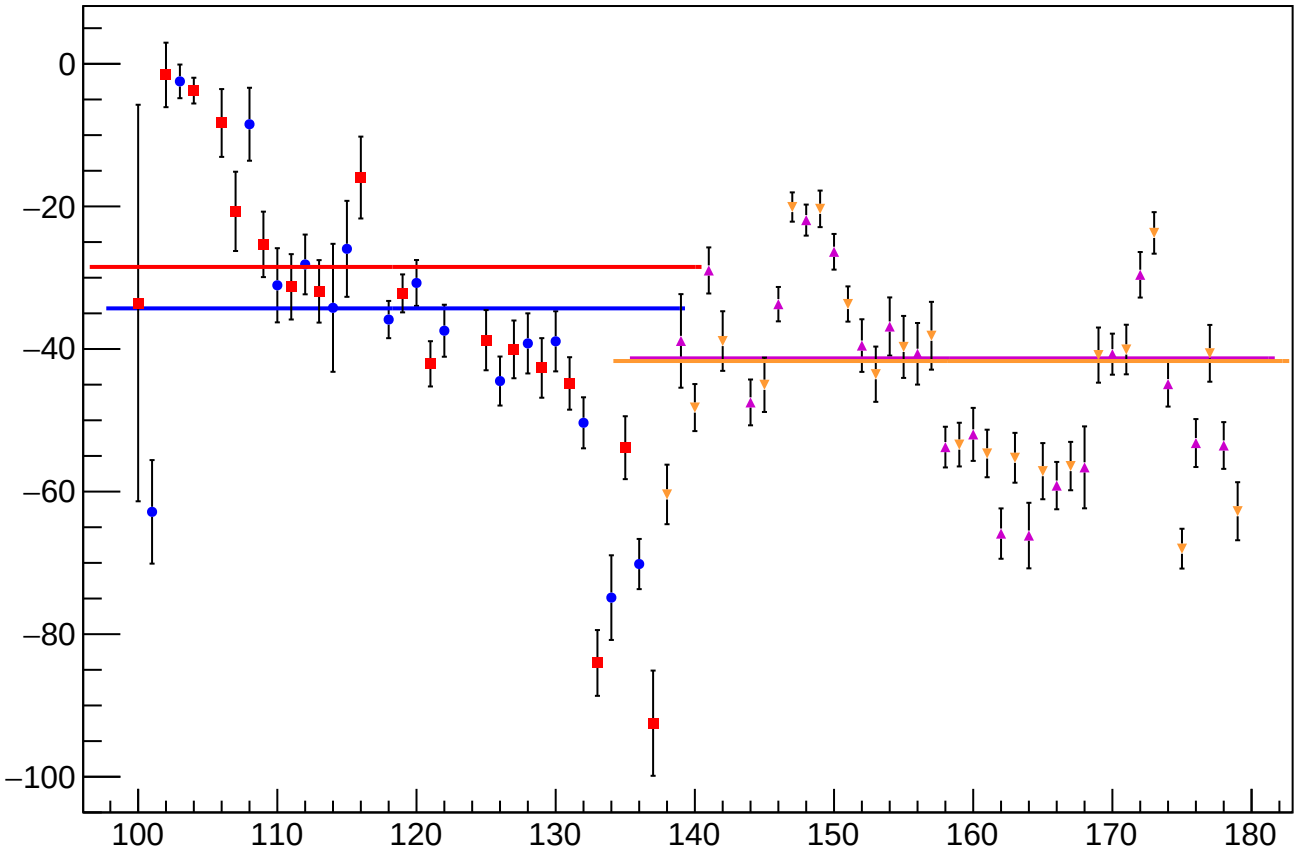
Right Out: -119.022+/-0.813 χ^2/NDF: 16177.3/17

Left In: -184.333+/-0.871 χ^2/NDF:1536.3/19

\+ sign -154.596+/-0.606 χ^2/NDF: 18160.1/36

All: -151.953+/-0.424 χ^2/NDF: 38915.2/74

\- sign -149.410+/-0.594 χ^2/NDF: 20717.8/37



Right In: -34.301+/-0.968 χ^2/NDF: 411.3/15

Left Out: -41.686+/-0.718 χ^2/NDF:449.7/20

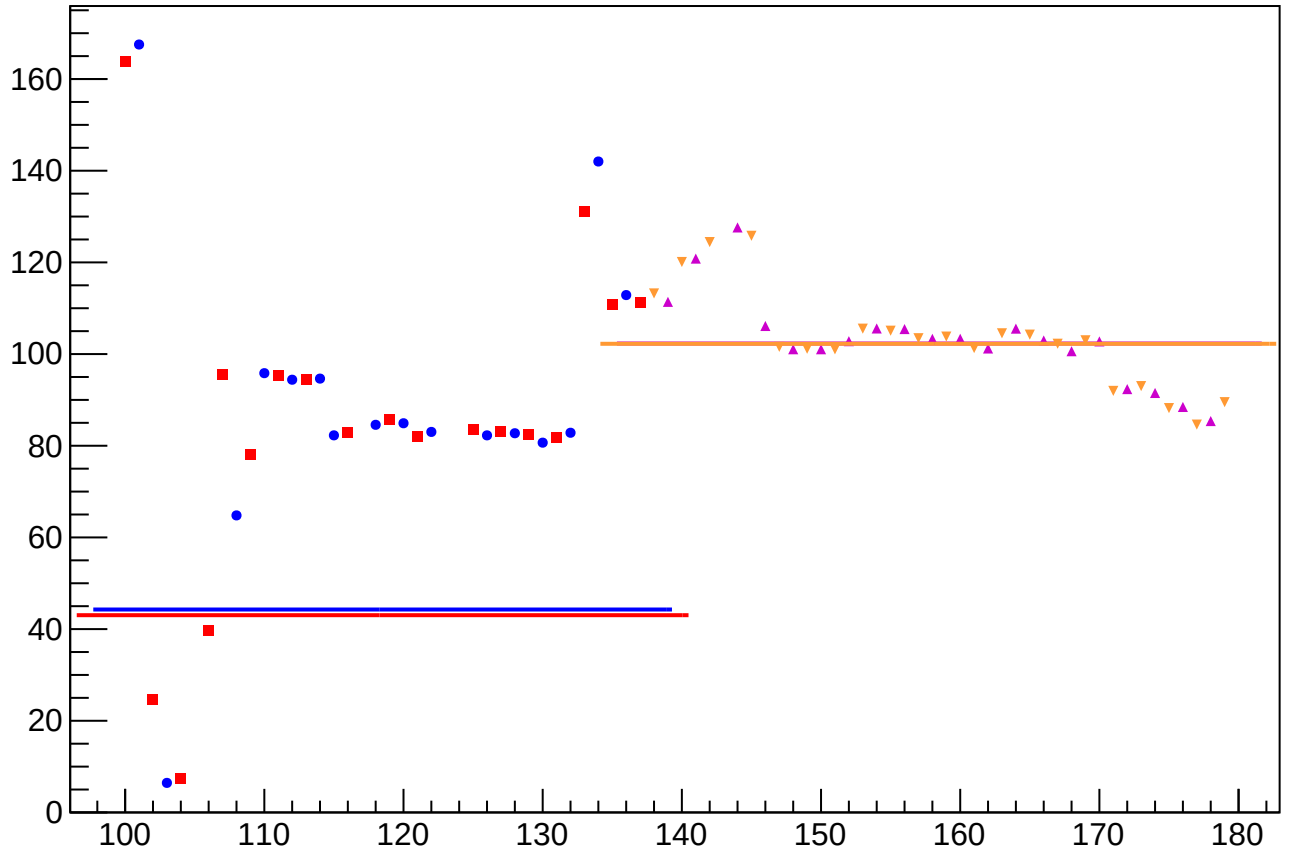
Right Out: -28.488+/-0.907 χ^2/NDF: 568.0/17

Left In: -41.312+/-0.727 χ^2/NDF:326.8/19

+ sign -39.065+/-0.577 χ^2/NDF: 898.6/36

All: -37.656+/-0.404 χ^2/NDF: 1926.8/74

- sign -36.291+/-0.567 χ^2/NDF: 1016.5/37



Right In: 44.274+/-0.045 χ^2/NDF: 1085082.2/15

Left Out: 102.242+/-0.034 χ^2/NDF:89077.6/20

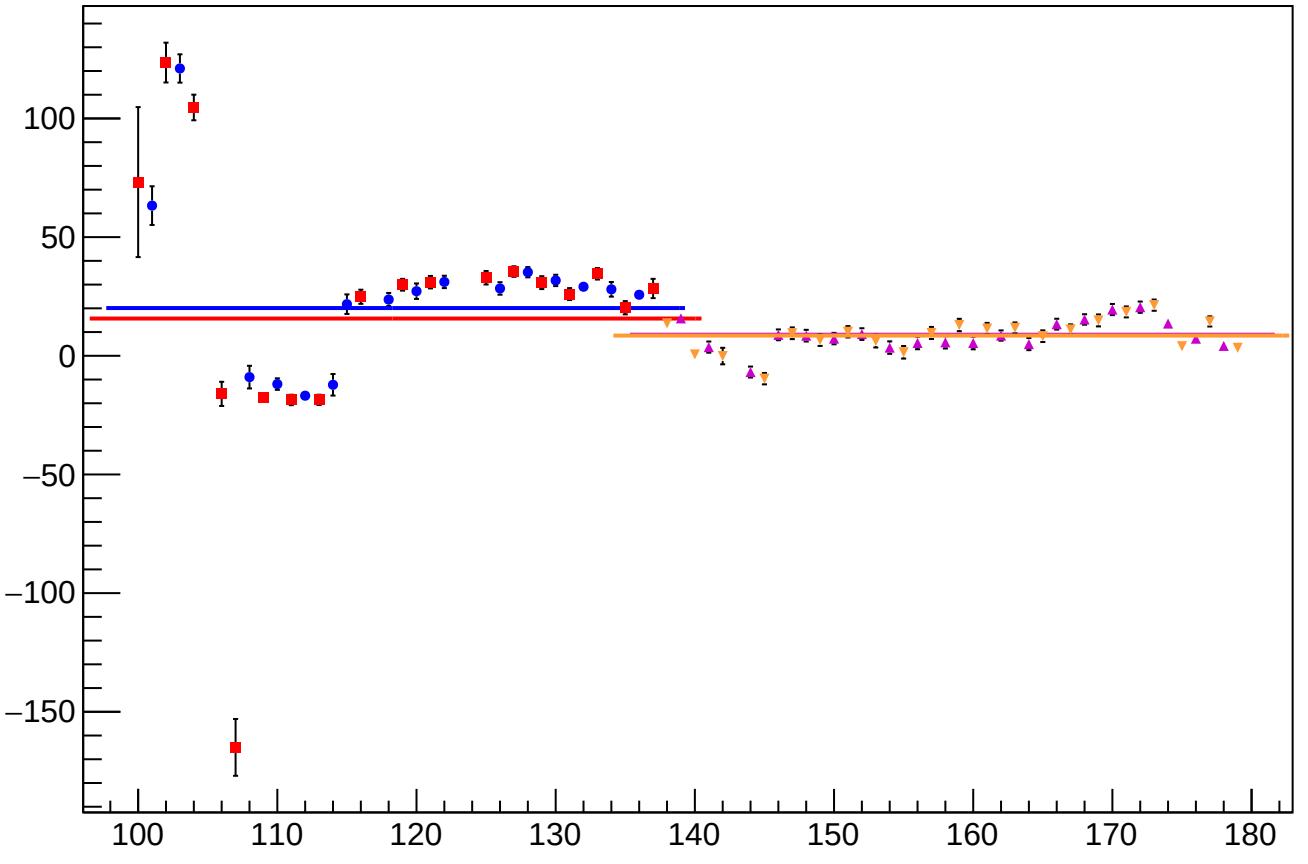
Right Out: 43.035+/-0.045 χ^2/NDF: 805108.5/17

Left In: 102.304+/-0.033 χ^2/NDF:75033.4/19

+ sign 81.436+/-0.027 χ^2/NDF: 2240744.0/36

All: 81.408+/-0.019 χ^2/NDF: 4241424.1/74

- sign 81.380+/-0.027 χ^2/NDF: 2000677.9/37



Right In: 20.117+/-0.687 χ^2/NDF: 1048.1/15

Left Out: 8.524+/-0.504 χ^2/NDF:178.3/20

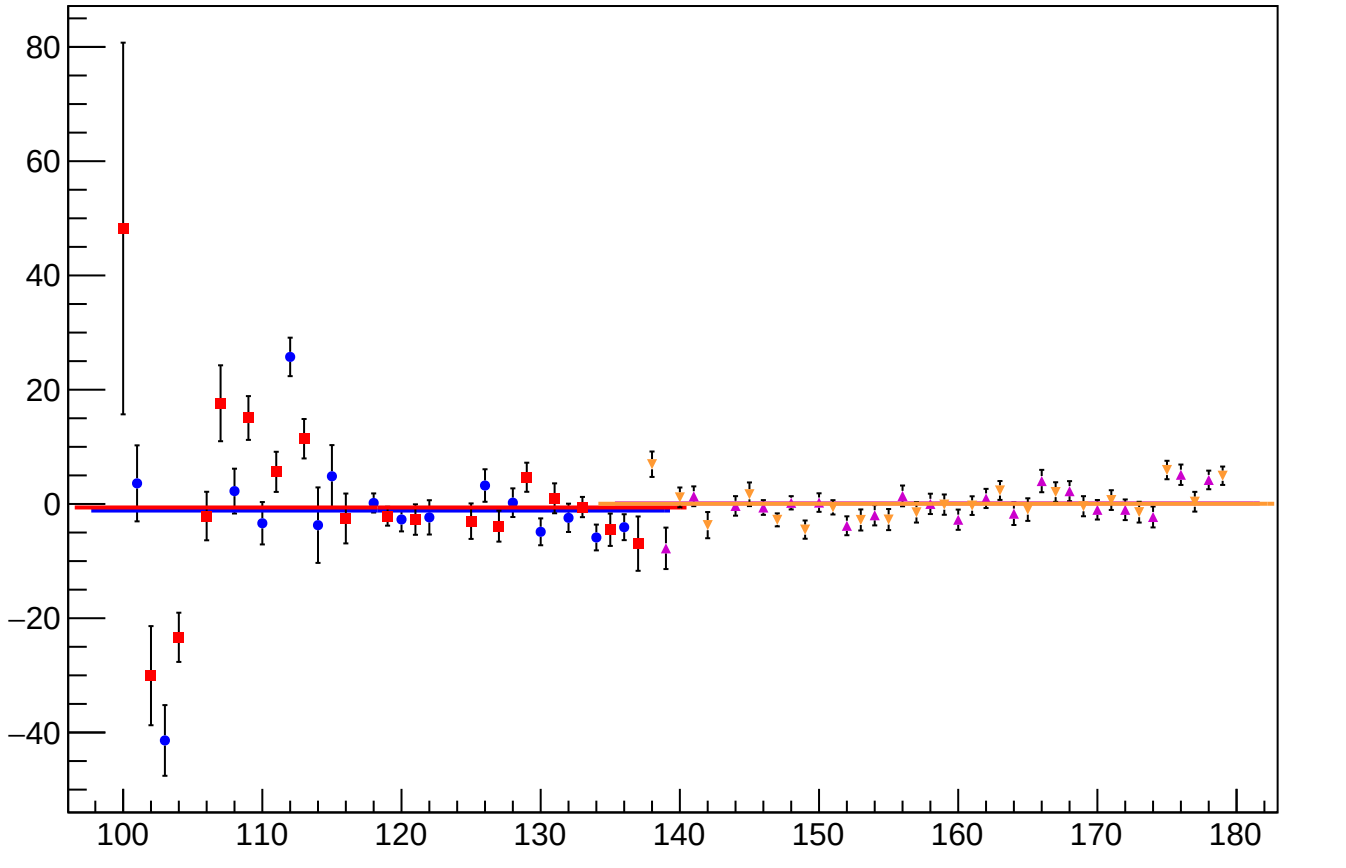
Right Out: 15.700+/-0.682 χ^2/NDF: 1773.8/17

Left In: 8.877+/-0.514 χ^2/NDF:144.1/19

+ sign 12.581+/-0.406 χ^2/NDF: 1411.5/36

All: 11.970+/-0.289 χ^2/NDF: 3397.8/74

- sign 11.346+/-0.410 χ^2/NDF: 1981.8/37



Right In: -1.151+/-0.699 χ^2/NDF: 121.8/15

Left Out: 0.037+/-0.368 χ^2/NDF:60.4/20

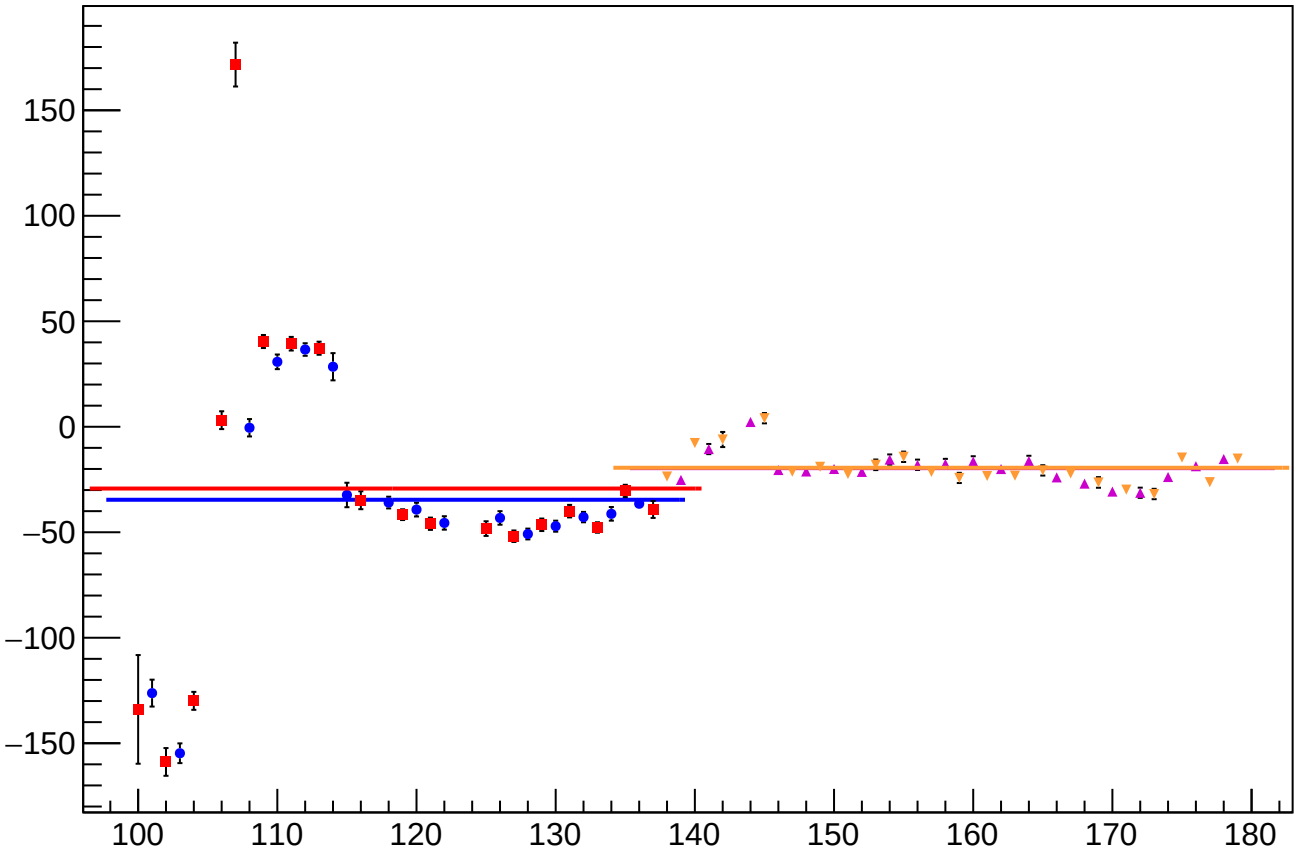
Right Out: -0.614+/-0.713 χ^2/NDF: 93.4/17

Left In: 0.100+/-0.380 χ^2/NDF:39.0/19

+ sign -0.221+/-0.326 χ^2/NDF: 184.5/36

All: -0.142+/-0.234 χ^2/NDF: 317.8/74

- sign -0.058+/-0.335 χ^2/NDF: 133.2/37



Right In: -34.598+/-0.786 χ^2/NDF: 2058.4/15

Left Out: -19.430+/-0.495 χ^2/NDF:237.2/20

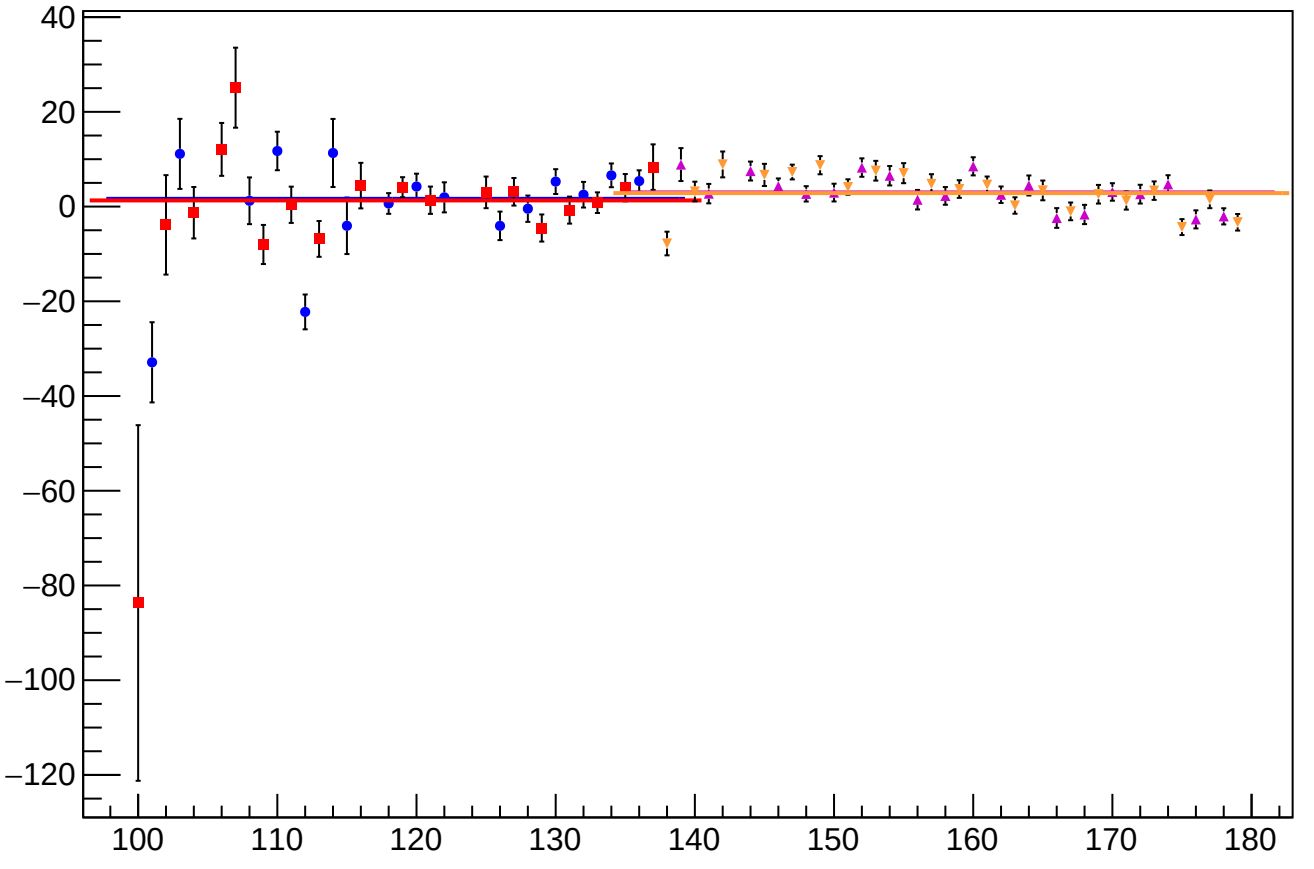
Right Out: -29.277+/-0.800 χ^2/NDF: 3081.1/17

Left In: -19.618+/-0.506 χ^2/NDF:183.7/19

+ sign -23.739+/-0.419 χ^2/NDF: 2562.1/36

All: -23.070+/-0.299 χ^2/NDF: 5936.3/74

- sign -22.375+/-0.427 χ^2/NDF: 3369.0/37



Right In: 1.630+/-0.797 χ^2/NDF: 83.3/15

Left Out: 2.843+/-0.419 χ^2/NDF:93.7/20

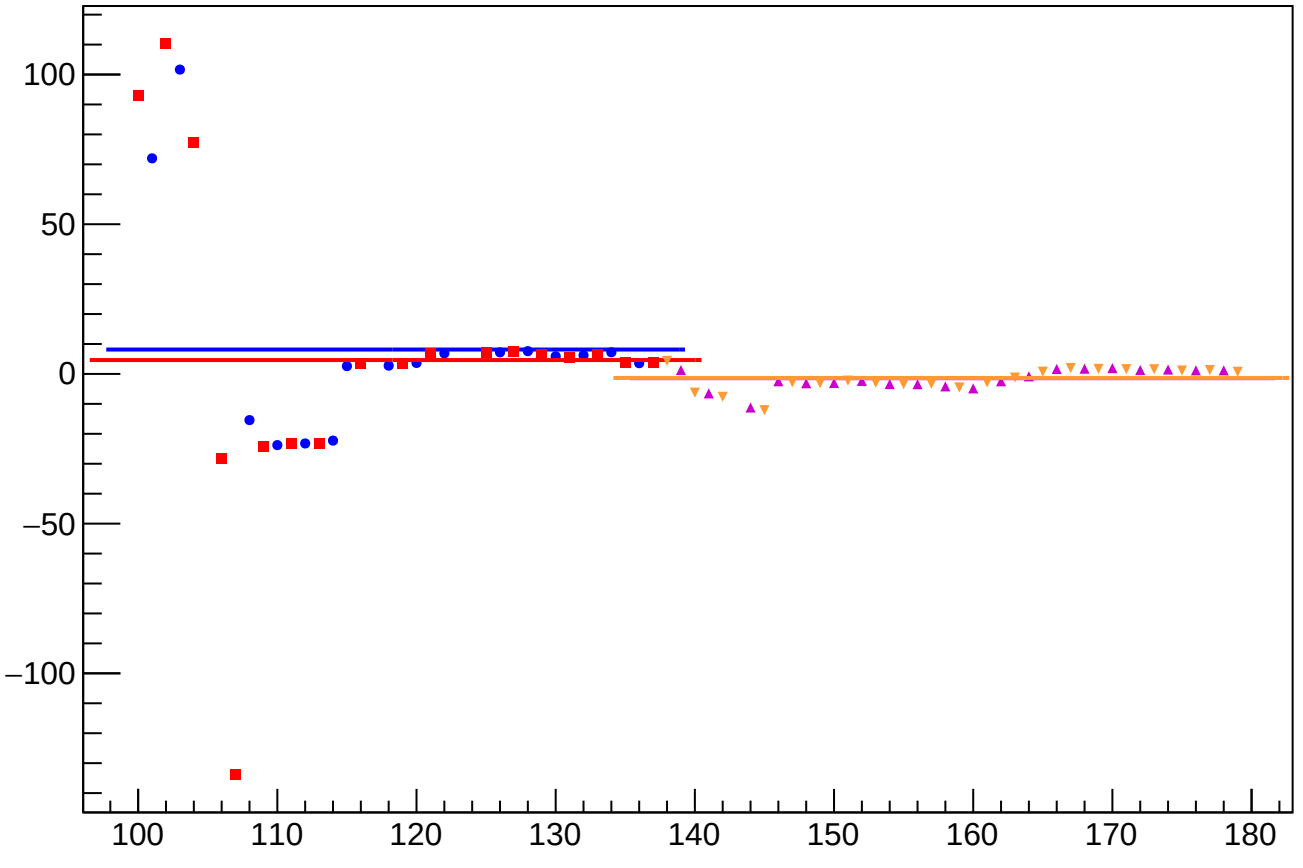
Right Out: 1.298+/-0.817 χ^2/NDF: 37.5/17

Left In: 2.984+/-0.432 χ^2/NDF:58.9/19

\+ sign 2.580+/-0.371 χ^2/NDF: 178.8/36

All: 2.597+/-0.266 χ^2/NDF: 278.5/74

\- sign 2.615+/-0.382 χ^2/NDF: 99.7/37



Right In: 8.146+/-0.048 χ^2/NDF: 313350.7/15

Left Out: -1.342+/-0.019 χ^2/NDF:34394.1/20

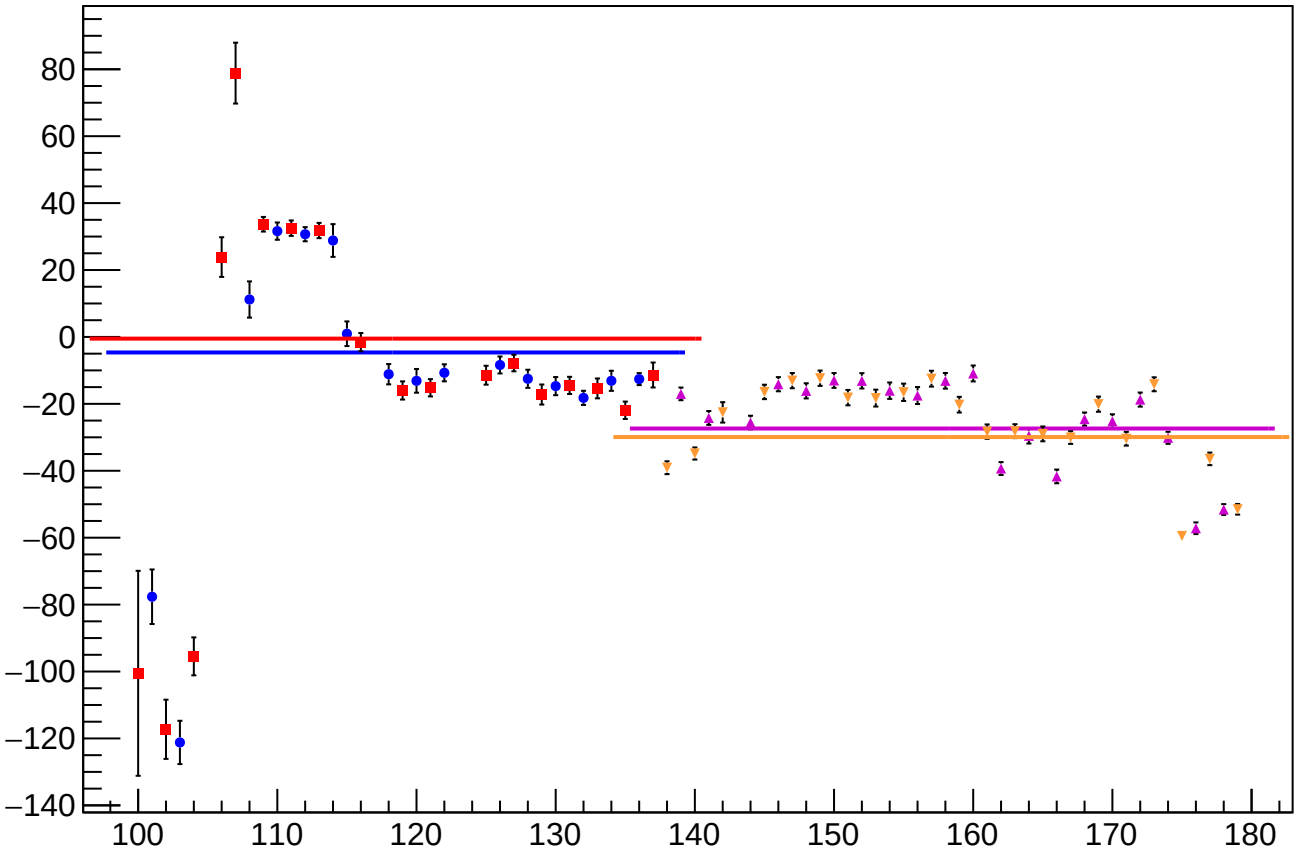
Right Out: 4.638+/-0.052 χ^2/NDF: 446805.7/17

Left In: -1.426+/-0.019 χ^2/NDF:26504.2/19

\+ sign -0.098+/-0.018 χ^2/NDF: 381176.3/36

All: -0.397+/-0.012 χ^2/NDF: 867209.0/74

\- sign -0.706+/-0.018 χ^2/NDF: 485440.7/37



Right In: -4.640+/-0.712 χ^2/NDF: 1046.3/15

Left Out: -29.925+/-0.454 χ^2/NDF:996.7/20

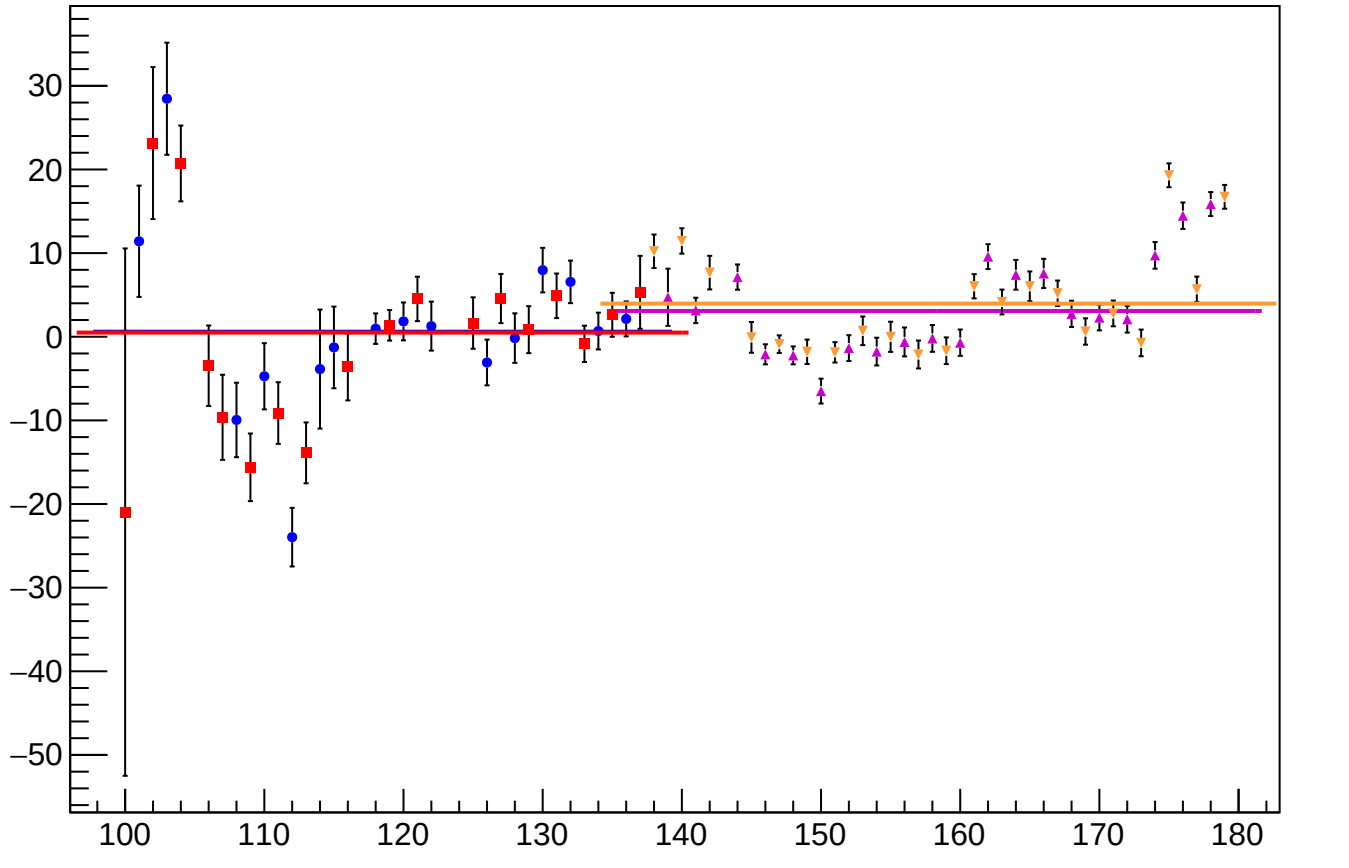
Right Out: -0.505+/-0.711 χ^2/NDF: 1457.8/17

Left In: -27.370+/-0.463 χ^2/NDF:923.6/19

+ sign -22.600+/-0.383 χ^2/NDF: 2939.9/36

All: -21.005+/-0.273 χ^2/NDF: 6359.3/74

- sign -19.368+/-0.388 χ^2/NDF: 3384.3/37



Right In: 0.602+/-0.727 χ^2/NDF: 92.9/15

Left Out: 3.961+/-0.333 χ^2/NDF:352.1/20

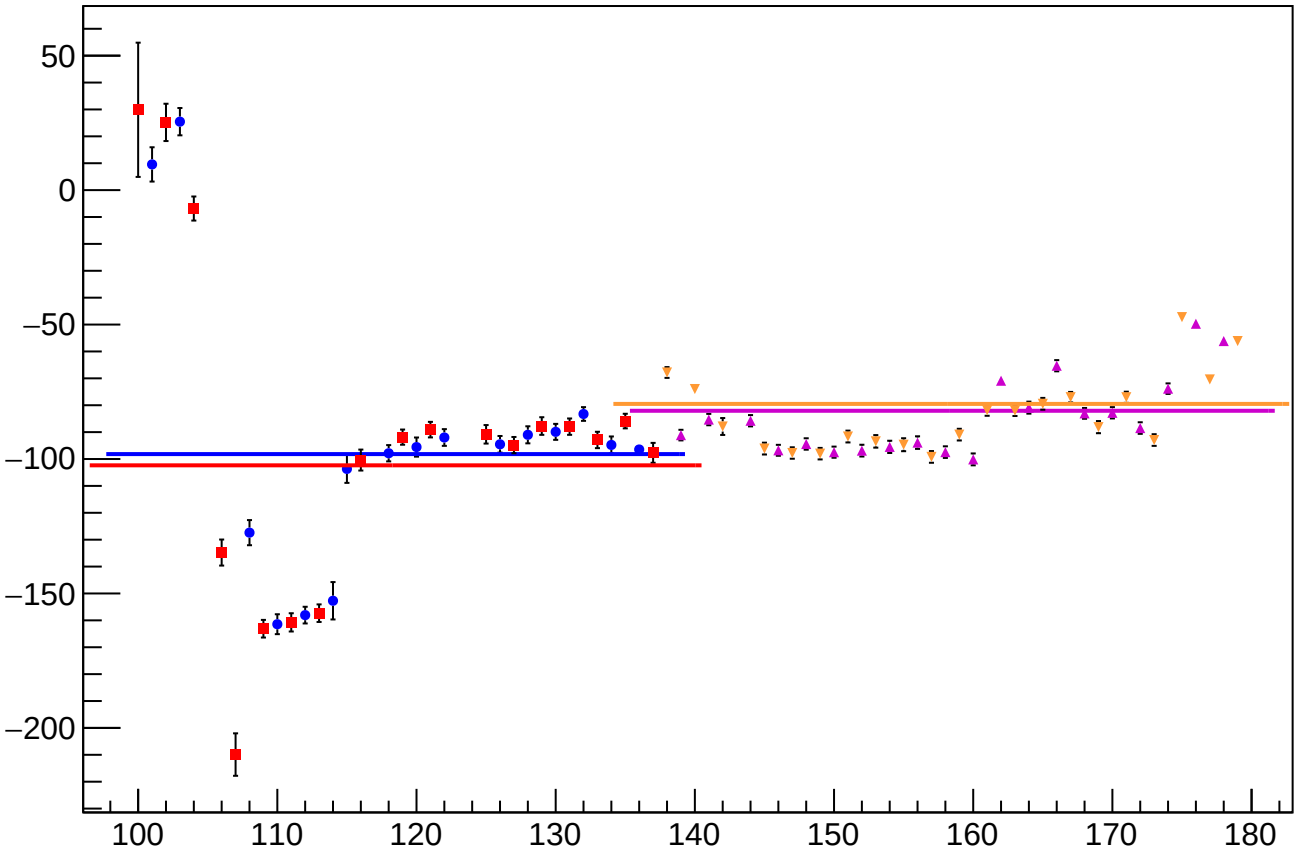
Right Out: 0.496+/-0.755 χ^2/NDF: 80.2/17

Left In: 3.081+/-0.343 χ^2/NDF:304.7/19

\+ sign 3.377+/-0.303 χ^2/NDF: 462.6/36

All: 3.019+/-0.218 χ^2/NDF: 860.0/74

\- sign 2.639+/-0.312 χ^2/NDF: 394.6/37



Right In: -98.168+/-0.813 χ^2/NDF: 1699.9/15

Left Out: -79.507+/-0.447 χ^2/NDF:1242.6/20

Right Out: -102.349+/-0.837 χ^2/NDF: 2117.5/17

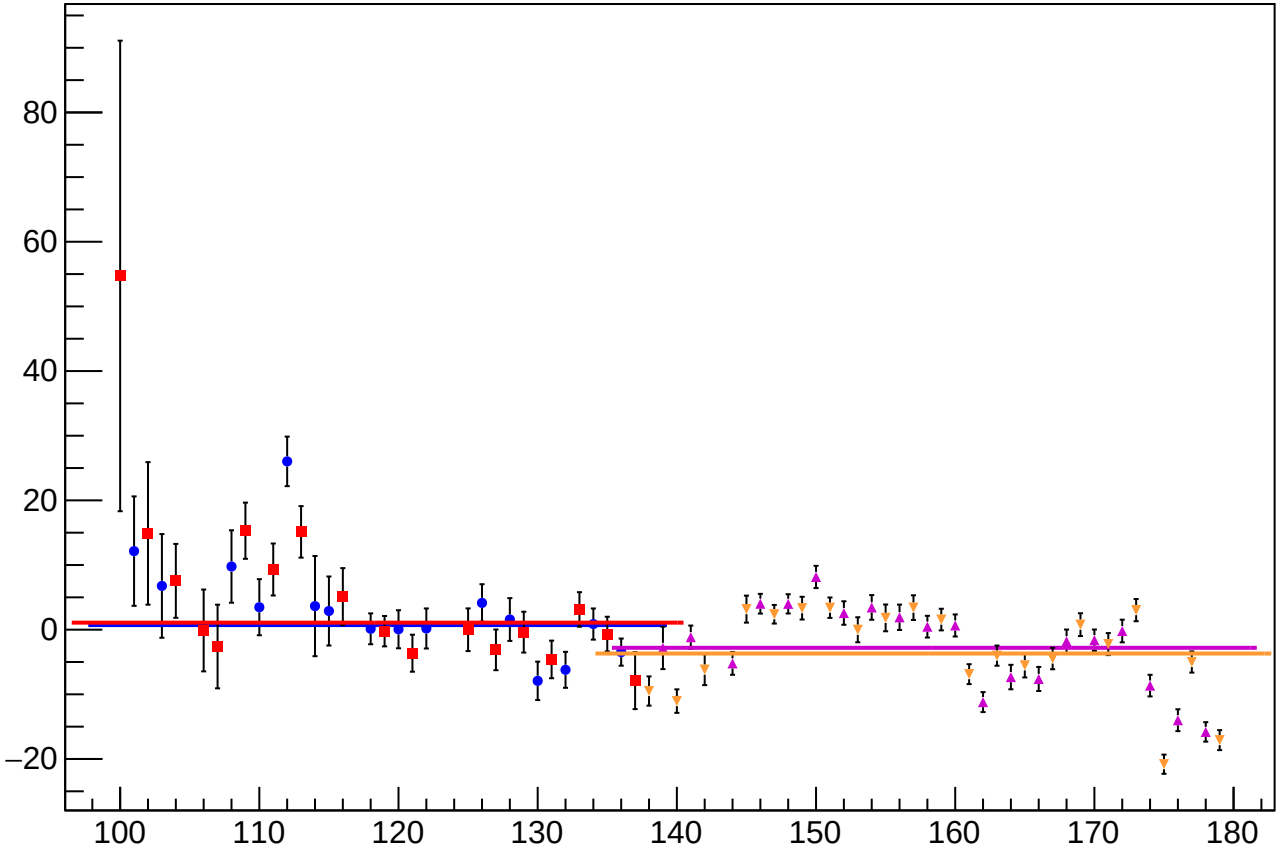
Left In: -82.061+/-0.456 χ^2/NDF:1132.7/19

+ sign -83.841+/-0.392 χ^2/NDF: 3347.3/36

All: -85.242+/-0.280 χ^2/NDF: 7076.7/74

- sign -86.708+/-0.401 χ^2/NDF: 3703.3/37

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eY_slope vs Slug



Right In: 0.711+/-0.821 χ^2/NDF: 69.6/15

Left Out: -3.688+/-0.379 χ^2/NDF:359.9/20

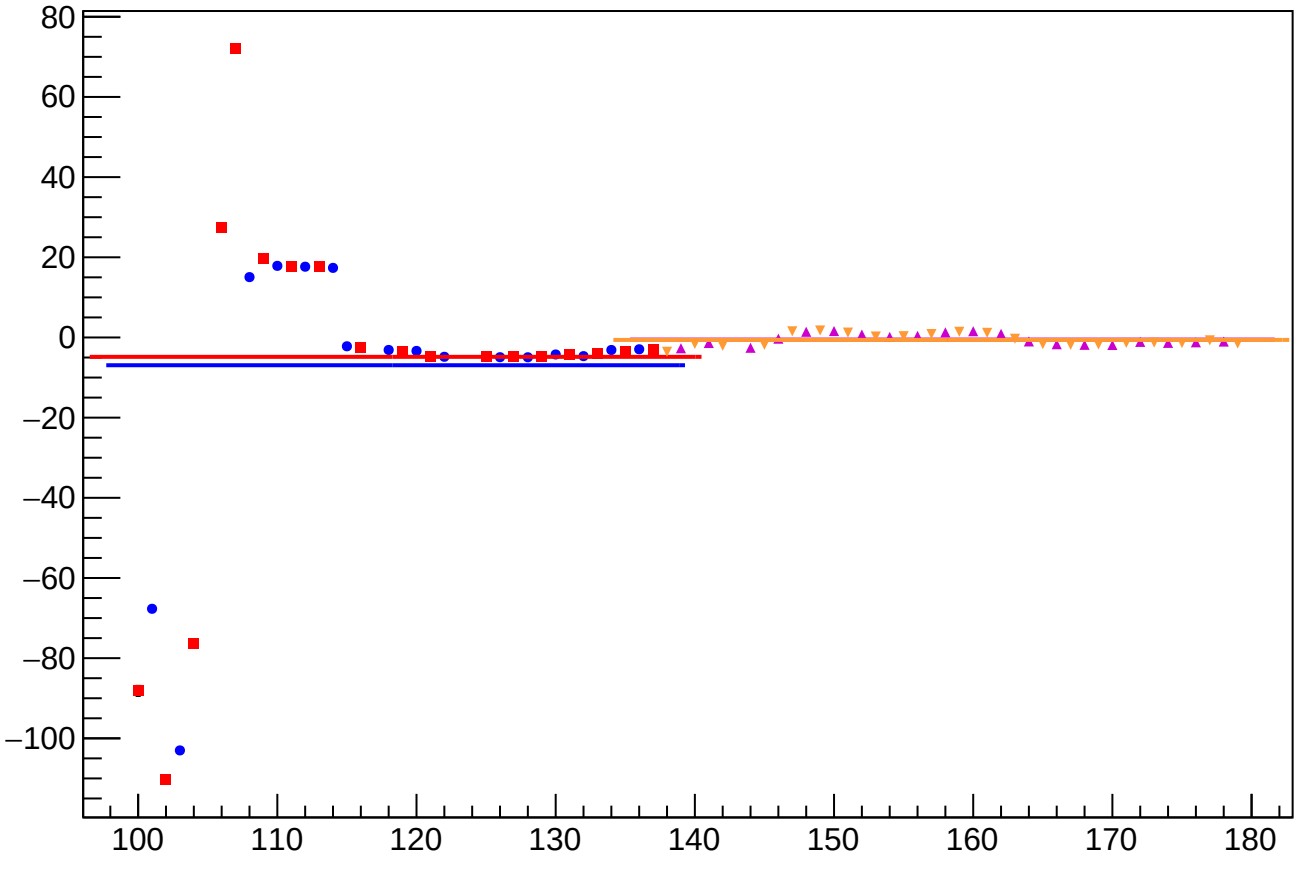
Right Out: 1.088+/-0.856 χ^2/NDF: 47.7/17

Left In: -2.804+/-0.389 χ^2/NDF:293.1/19

\+ sign -2.917+/-0.344 χ^2/NDF: 453.2/36

All: -2.539+/-0.247 χ^2/NDF: 813.5/74

\- sign -2.138+/-0.354 χ^2/NDF: 357.8/37



Right In: -6.927+/-0.049 χ^2/NDF: 265187.0/15

Left Out: -0.609+/-0.017 χ^2/NDF:6689.4/20

Right Out: -4.833+/-0.053 χ^2/NDF: 339363.3/17

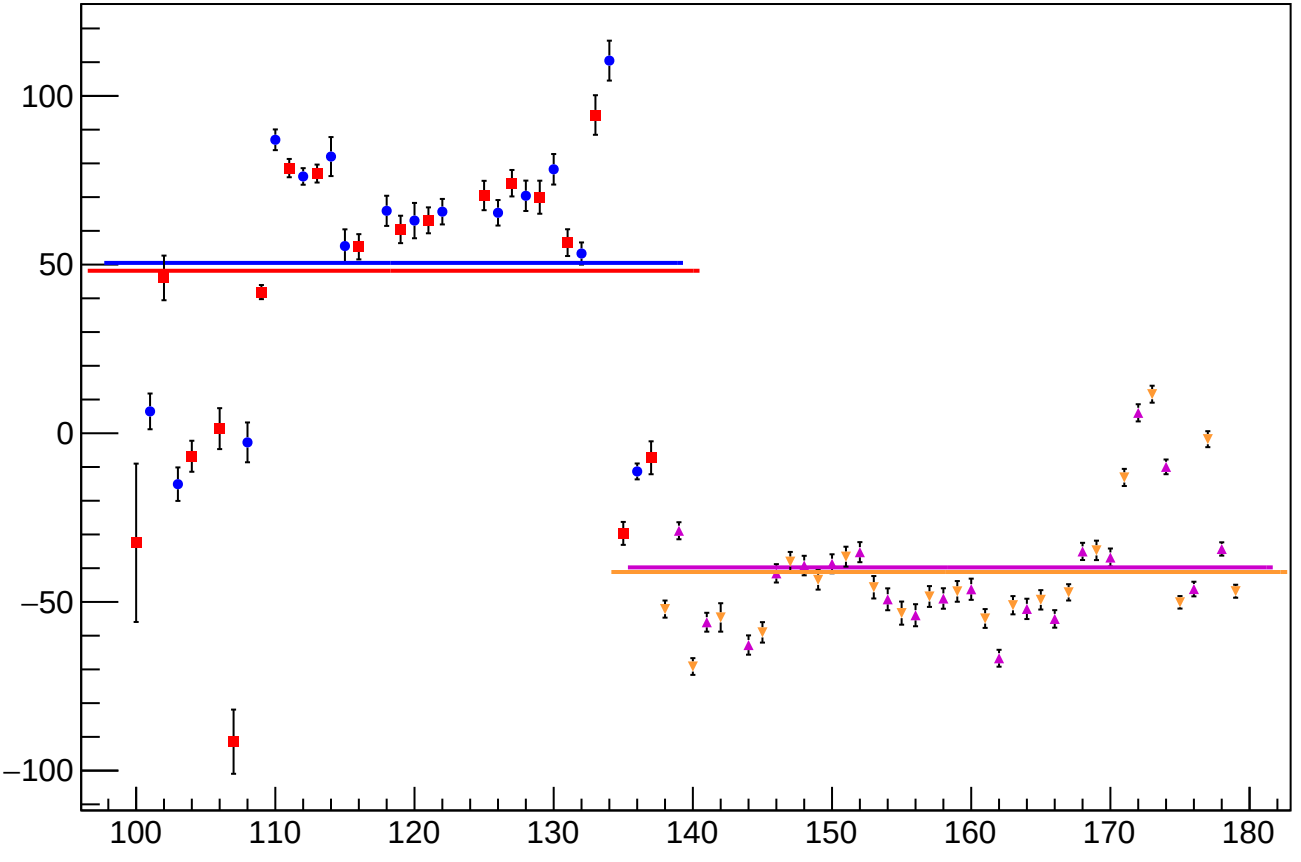
Left In: -0.528+/-0.017 χ^2/NDF:6158.5/19

+ sign -1.299+/-0.016 χ^2/NDF: 286973.8/36

All: -1.122+/-0.011 χ^2/NDF: 638754.1/74

- sign -0.939+/-0.016 χ^2/NDF: 351532.3/37

reg_asym_us_dd_at2lr_dd_avg_diff_bpm1X_slope vs Slug



Right In: 50.503+/-0.965 χ^2/NDF: 1503.6/15

Left Out: -41.125+/-0.582 χ^2/NDF:1146.0/20

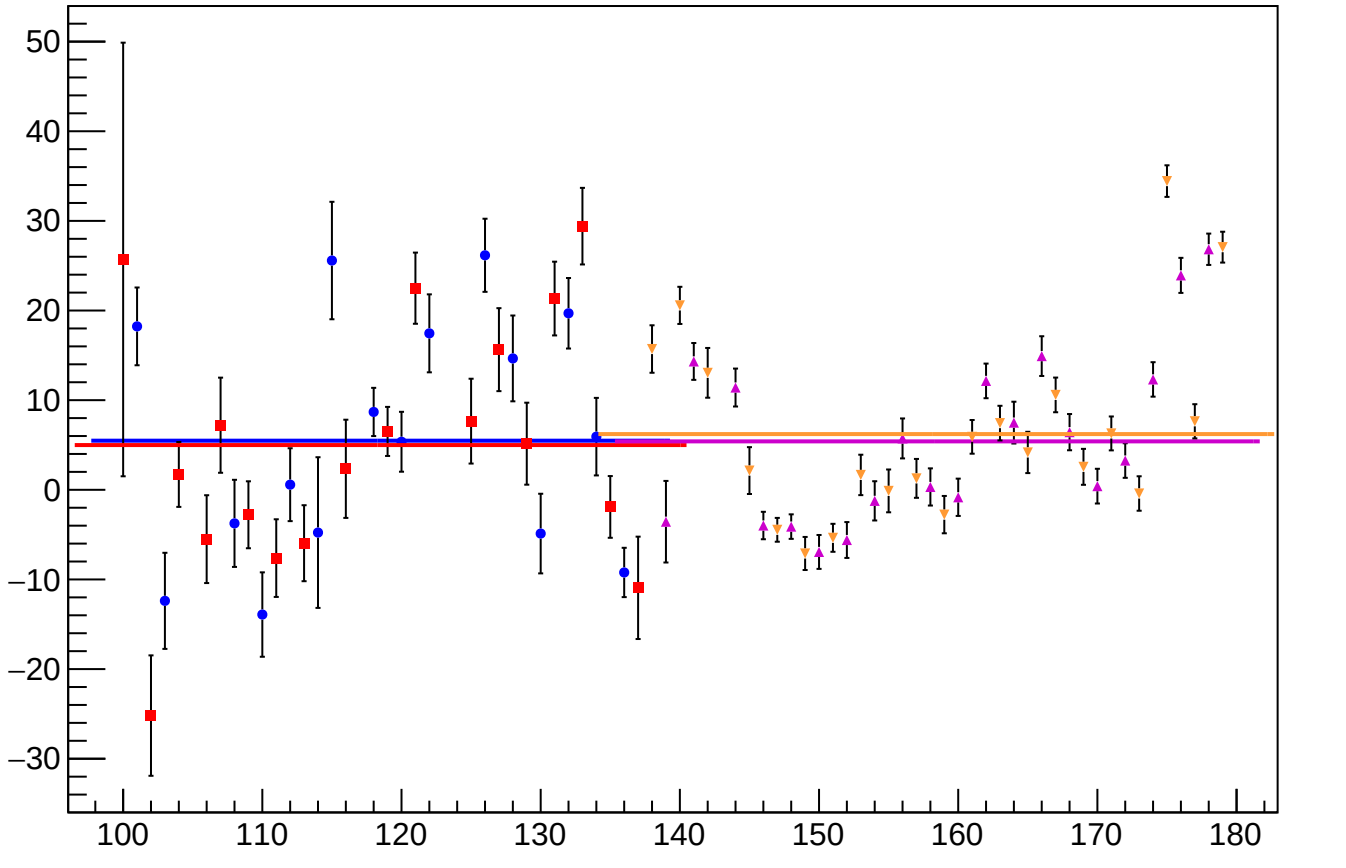
Right Out: 48.172+/-0.914 χ^2/NDF: 1519.5/17

Left In: -39.756+/-0.593 χ^2/NDF:859.7/19

\+ sign -16.704+/-0.498 χ^2/NDF: 9257.8/36

All: -15.213+/-0.352 χ^2/NDF: 18165.9/74

\- sign -13.727+/-0.497 χ^2/NDF: 8890.2/37



Right In: 5.481+/-1.021 χ^2/NDF: 138.2/15

Left Out: 6.217+/-0.427 χ^2/NDF:701.3/20

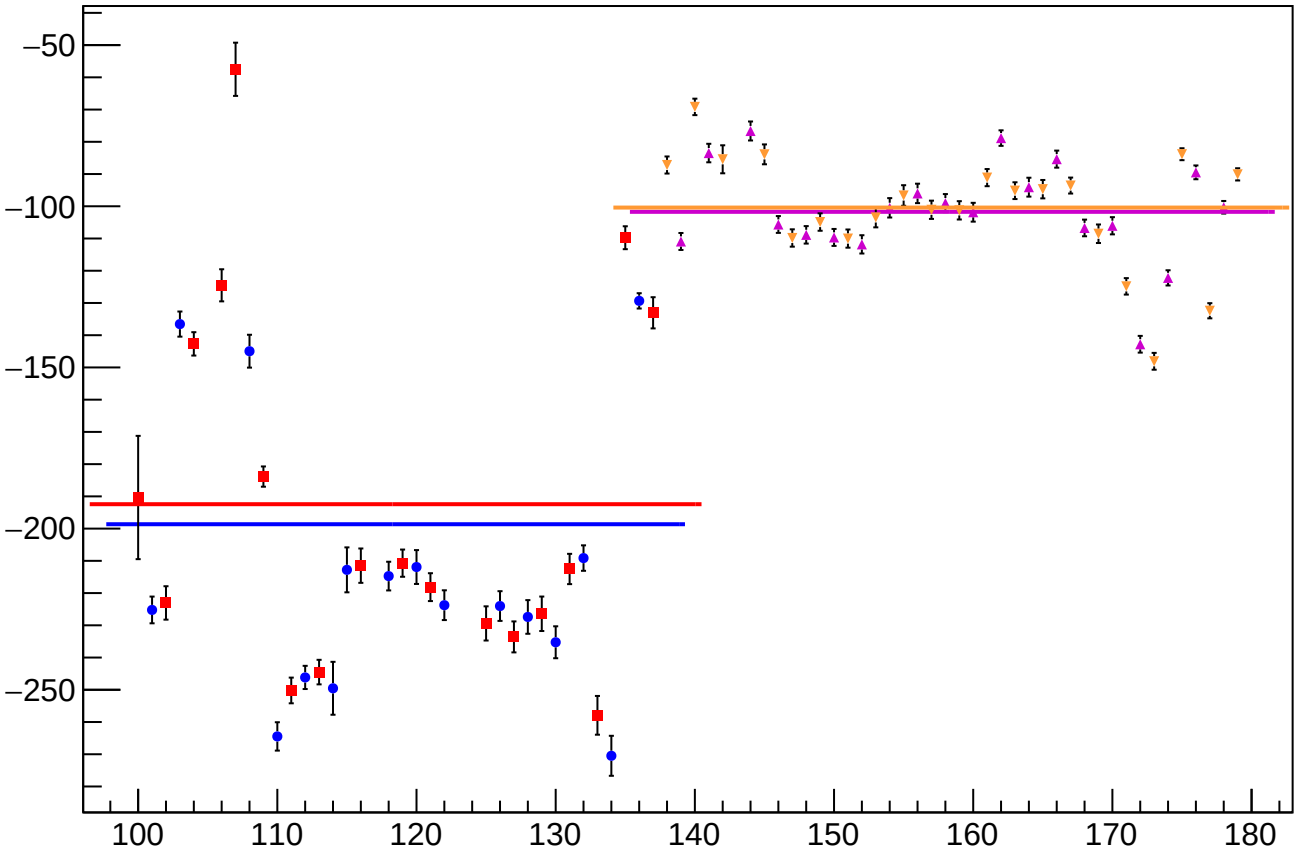
Right Out: 4.992+/-1.023 χ^2/NDF: 131.8/17

Left In: 5.403+/-0.440 χ^2/NDF:506.2/19

\+ sign 6.107+/-0.394 χ^2/NDF: 839.9/36

All: 5.732+/-0.282 χ^2/NDF: 1479.8/74

\- sign 5.338+/-0.404 χ^2/NDF: 638.1/37



Right In: -198.641+/-1.083 χ^2/NDF: 2002.3/15

Left Out: -100.402+/-0.572 χ^2/NDF:1000.0/20

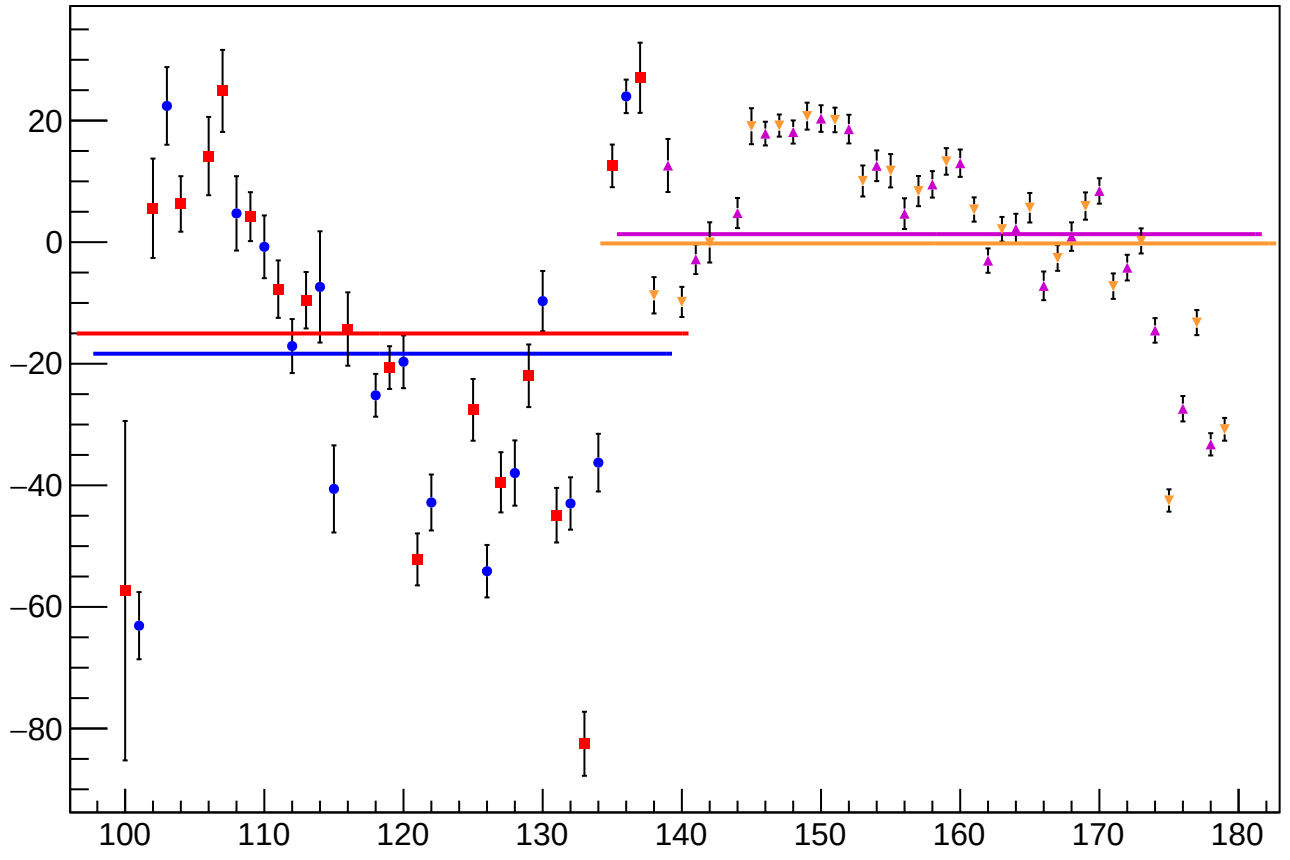
Right Out: -192.426+/-1.080 χ^2/NDF: 2139.0/17

Left In: -101.725+/-0.584 χ^2/NDF:661.4/19

+ sign -121.838+/-0.506 χ^2/NDF: 9430.5/36

All: -122.056+/-0.361 χ^2/NDF: 17688.7/74

- sign -122.280+/-0.514 χ^2/NDF: 8257.8/37



Right In: -18.348+/-1.159 χ^2/NDF: 543.9/15

Left Out: -0.210+/-0.485 χ^2/NDF:1325.5/20

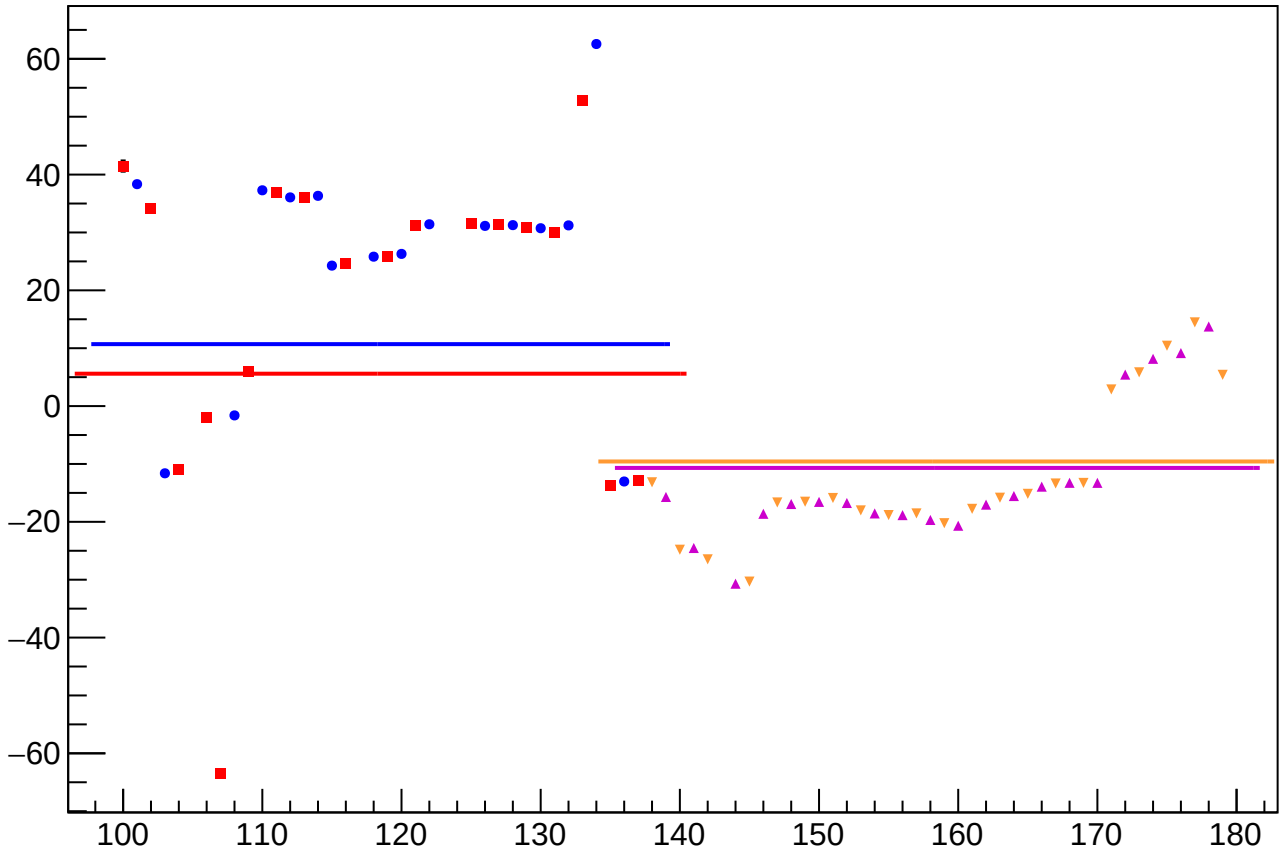
Right Out: -15.021+/-1.162 χ^2/NDF: 546.4/17

Left In: 1.315+/-0.498 χ^2/NDF:994.6/19

+ sign -2.910+/-0.447 χ^2/NDF: 2077.7/36

All: -2.086+/-0.320 χ^2/NDF: 3792.7/74

- sign -1.222+/-0.458 χ^2/NDF: 1708.0/37



Right In: 10.704+/-0.063 χ^2/NDF: 164860.8/15

Left Out: -9.572+/-0.022 χ^2/NDF:336828.6/20

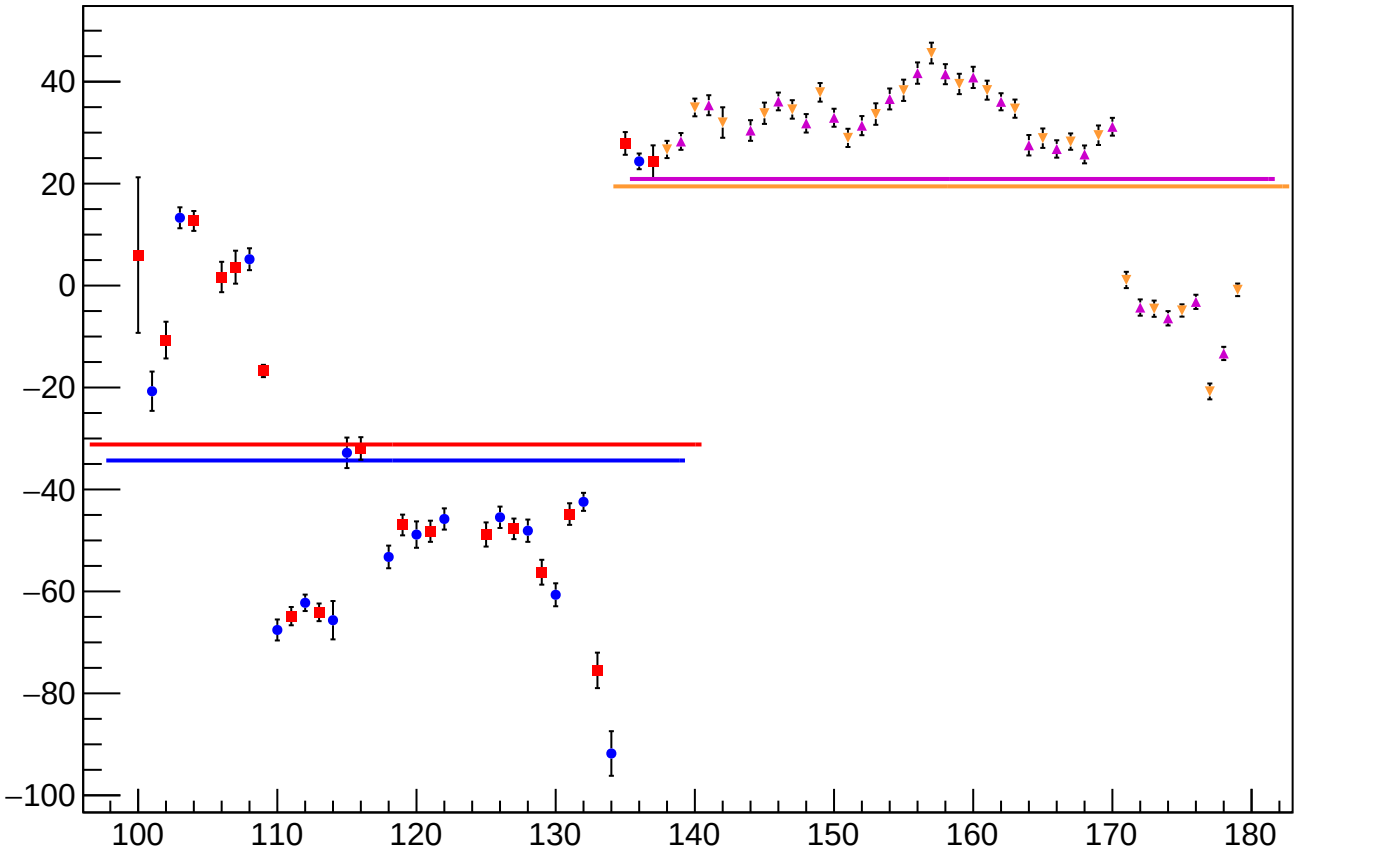
Right Out: 5.595+/-0.064 χ^2/NDF: 154966.4/17

Left In: -10.686+/-0.022 χ^2/NDF:309753.9/19

\+ sign -7.400+/-0.021 χ^2/NDF: 594459.6/36

All: -8.168+/-0.015 χ^2/NDF: 1120509.9/74

\- sign -8.951+/-0.021 χ^2/NDF: 523239.1/37



Right In: -34.315+/-0.548 χ^2/NDF: 3500.2/15

Left Out: 19.456+/-0.379 χ^2/NDF:2717.5/20

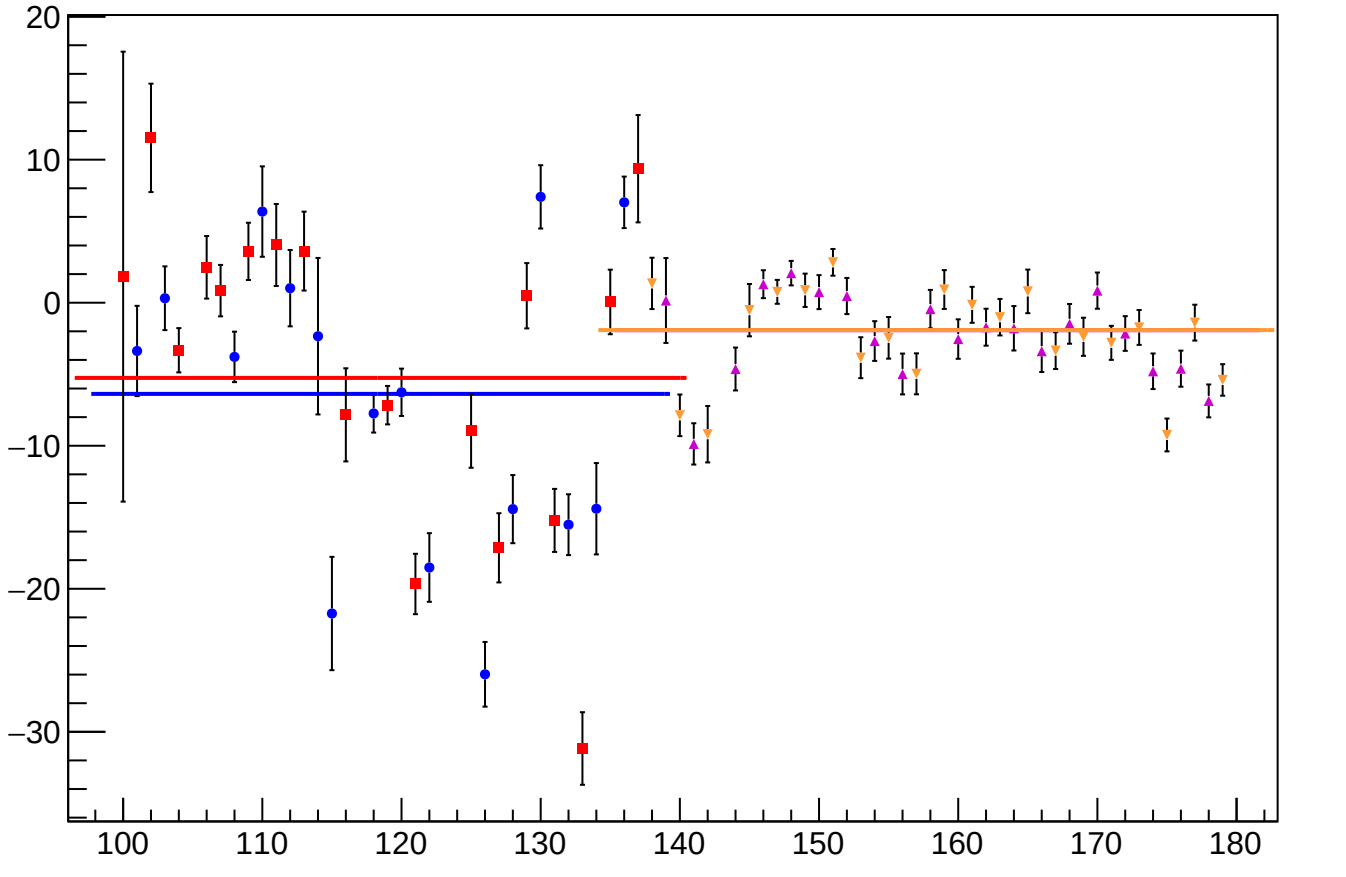
Right Out: -31.175+/-0.516 χ^2/NDF: 3200.4/17

Left In: 20.911+/-0.387 χ^2/NDF:2410.4/19

+ sign 2.055+/-0.312 χ^2/NDF: 12735.3/36

All: 2.097+/-0.220 χ^2/NDF: 24869.8/74

- sign 2.139+/-0.310 χ^2/NDF: 12134.5/37



Right In: -6.375+/-0.554 χ^2/NDF: 283.6/15

Left Out: -1.914+/-0.276 χ^2/NDF:145.4/20

Right Out: -5.256+/-0.533 χ^2/NDF: 312.9/17

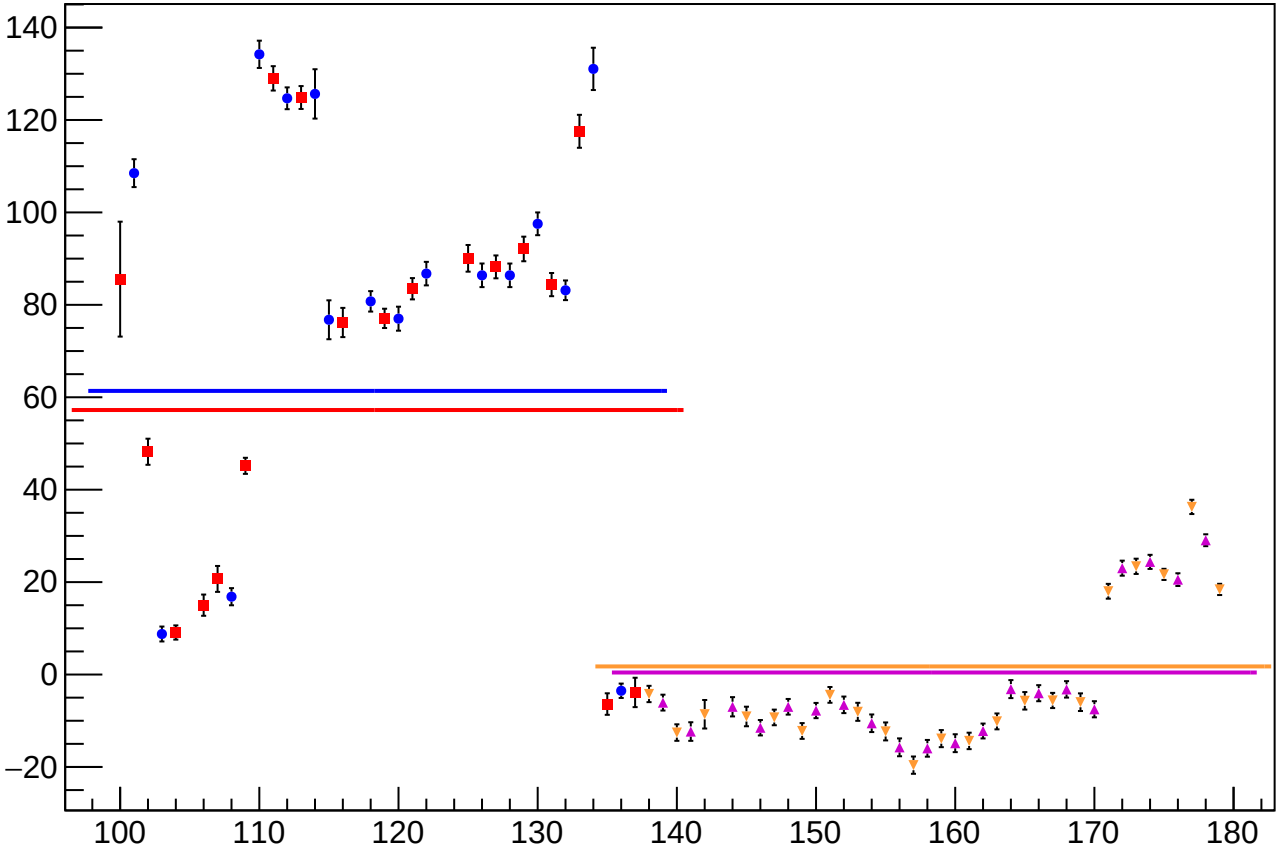
Left In: -1.921+/-0.286 χ^2/NDF:115.9/19

+ sign -2.804+/-0.247 χ^2/NDF: 480.9/36

All: -2.738+/-0.177 χ^2/NDF: 940.4/74

- sign -2.669+/-0.252 χ^2/NDF: 459.3/37

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eX_slope vs Slug



Right In: 61.377+/-0.594 χ^2/NDF: 6066.8/15

Left Out: 1.756+/-0.372 χ^2/NDF:1931.8/20

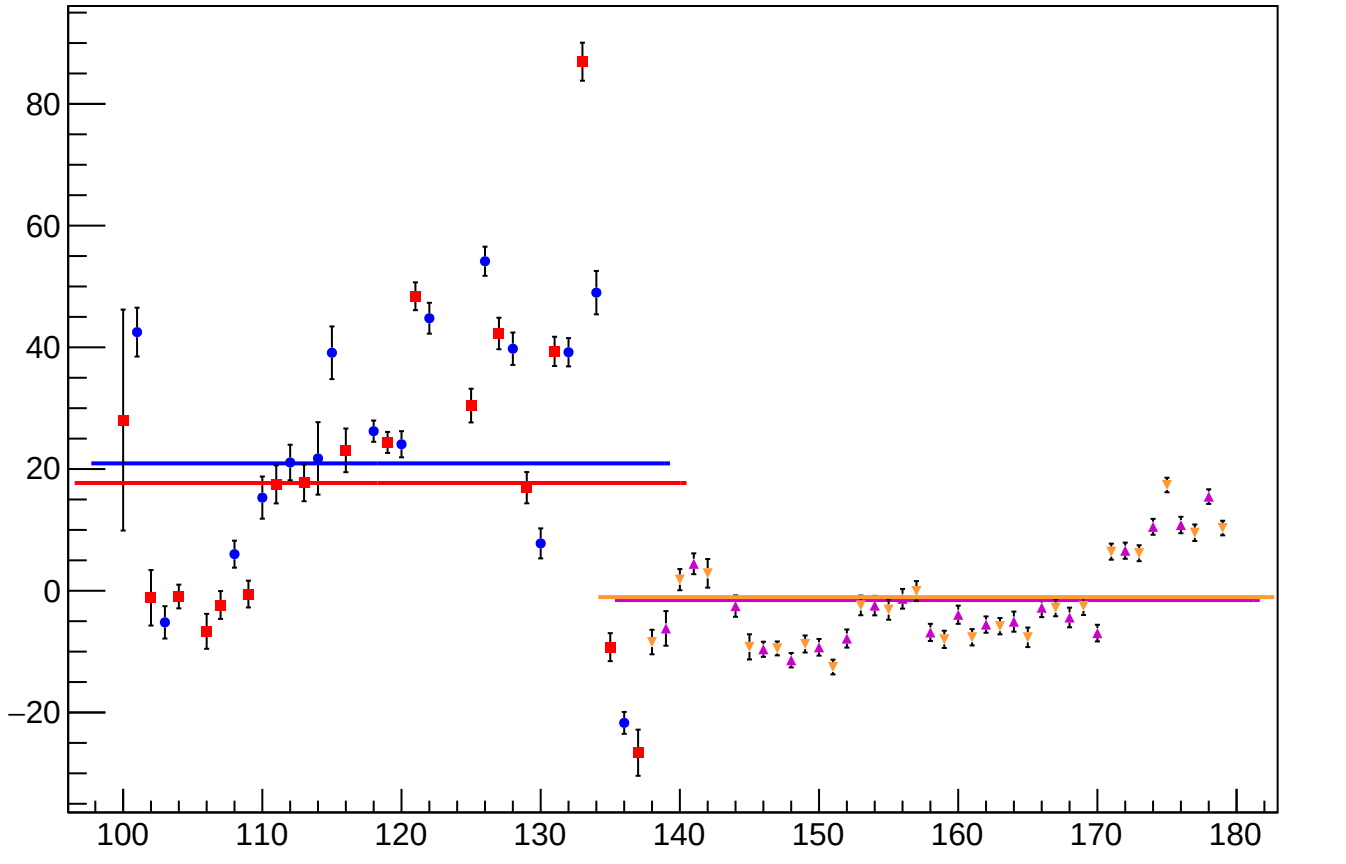
Right Out: 57.240+/-0.580 χ^2/NDF: 5267.5/17

Left In: 0.441+/-0.381 χ^2/NDF:1668.8/19

\+ sign 18.549+/-0.315 χ^2/NDF: 15228.1/36

All: 18.064+/-0.224 χ^2/NDF: 28862.8/74

\- sign 17.570+/-0.319 χ^2/NDF: 13629.9/37



Right In: 20.931+/-0.640 χ^2/NDF: 1245.4/15

Left Out: -1.044+/-0.314 χ^2/NDF:741.4/20

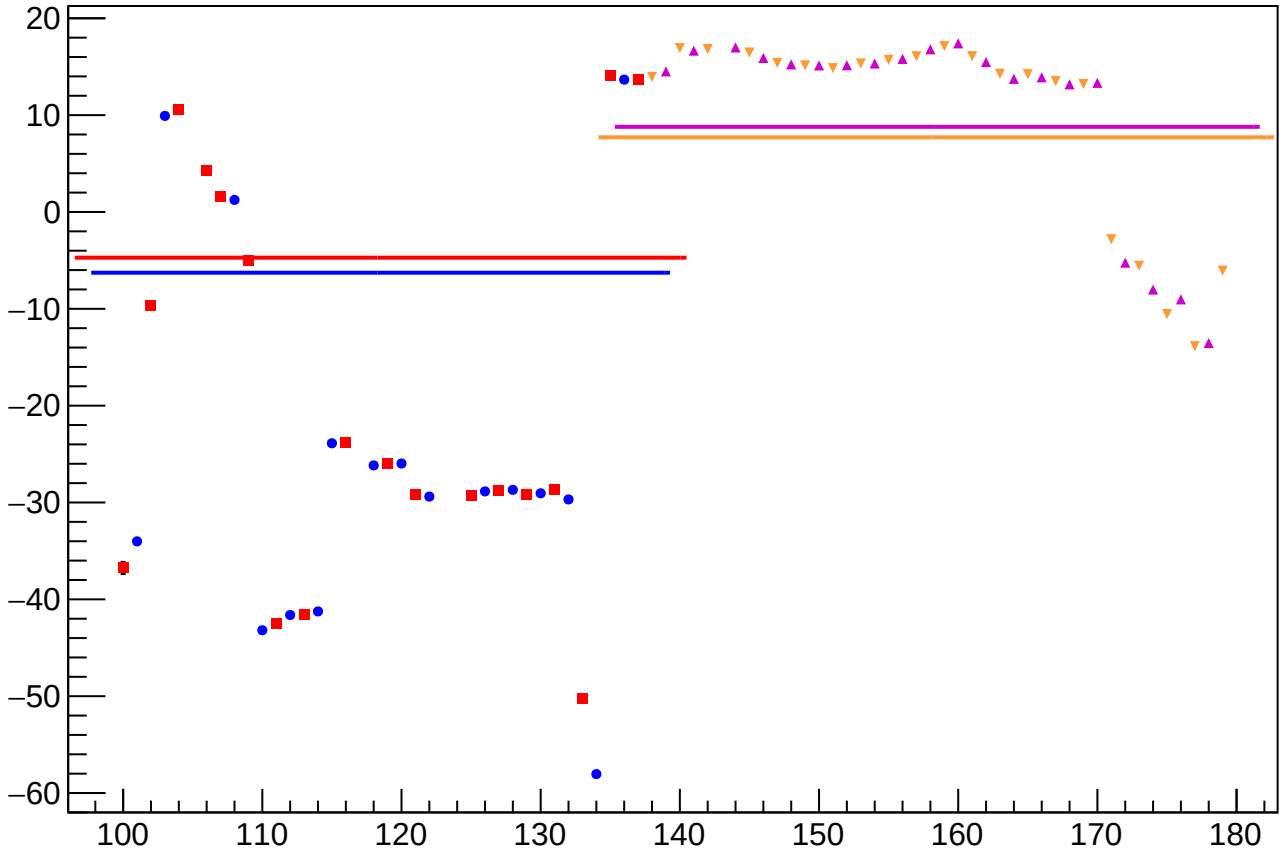
Right Out: 17.711+/-0.618 χ^2/NDF: 1481.9/17

Left In: -1.527+/-0.325 χ^2/NDF:631.3/19

\+ sign 3.227+/-0.282 χ^2/NDF: 2936.2/36

All: 2.935+/-0.201 χ^2/NDF: 5810.9/74

\- sign 2.631+/-0.287 χ^2/NDF: 2872.5/37



Right In: -6.271+/-0.033 χ^2/NDF: 410461.0/15

Left Out: 7.711+/-0.014 χ^2/NDF:605752.5/20

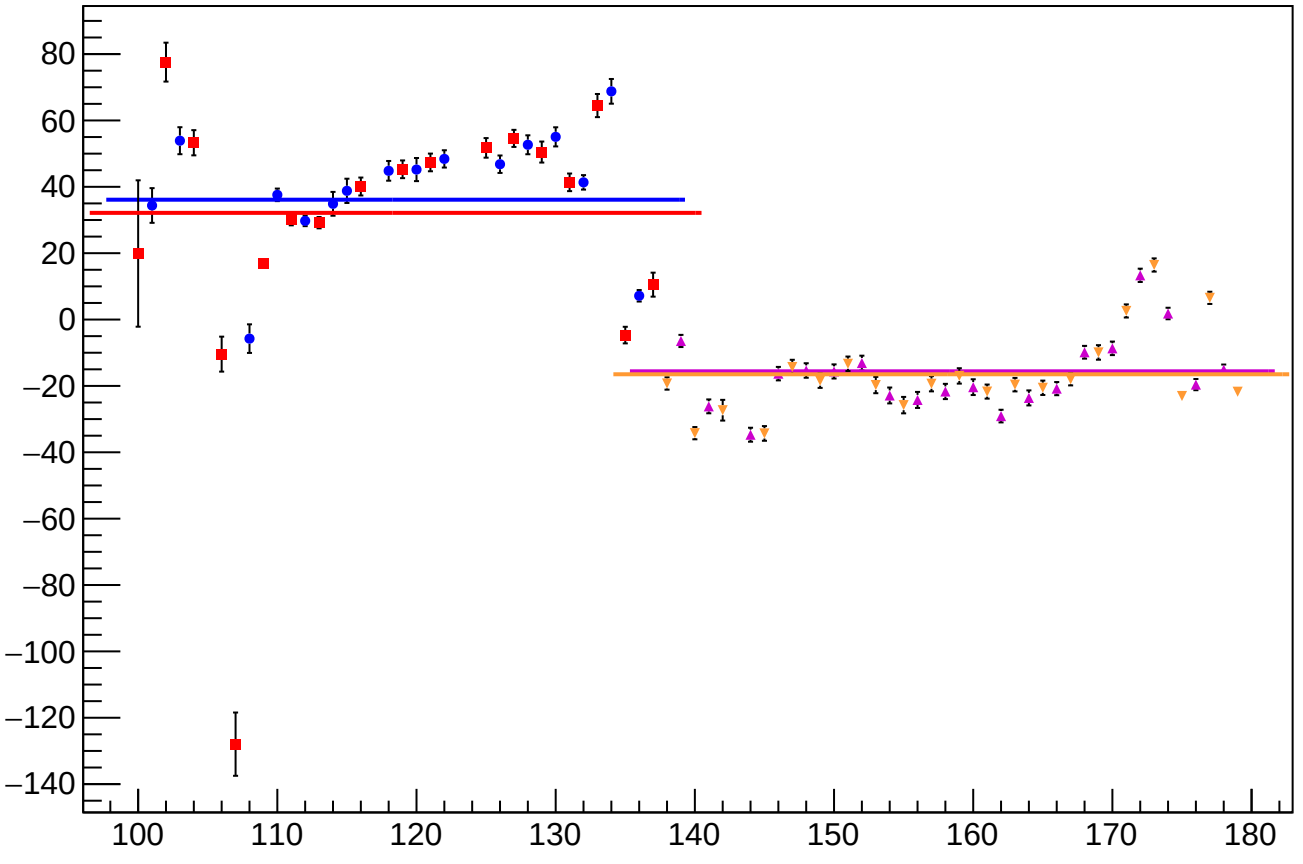
Right Out: -4.720+/-0.034 χ^2/NDF: 306663.6/17

Left In: 8.791+/-0.014 χ^2/NDF:566827.3/19

+ sign 5.586+/-0.013 χ^2/NDF: 1164678.5/36

All: 6.150+/-0.009 χ^2/NDF: 2178226.4/74

- sign 6.726+/-0.013 χ^2/NDF: 1009758.2/37



Right In: 36.118+/-0.656 χ^2/NDF: 622.8/15

Left Out: -16.489+/-0.443 χ^2/NDF:768.6/20

Right Out: 32.150+/-0.631 χ^2/NDF: 1114.6/17

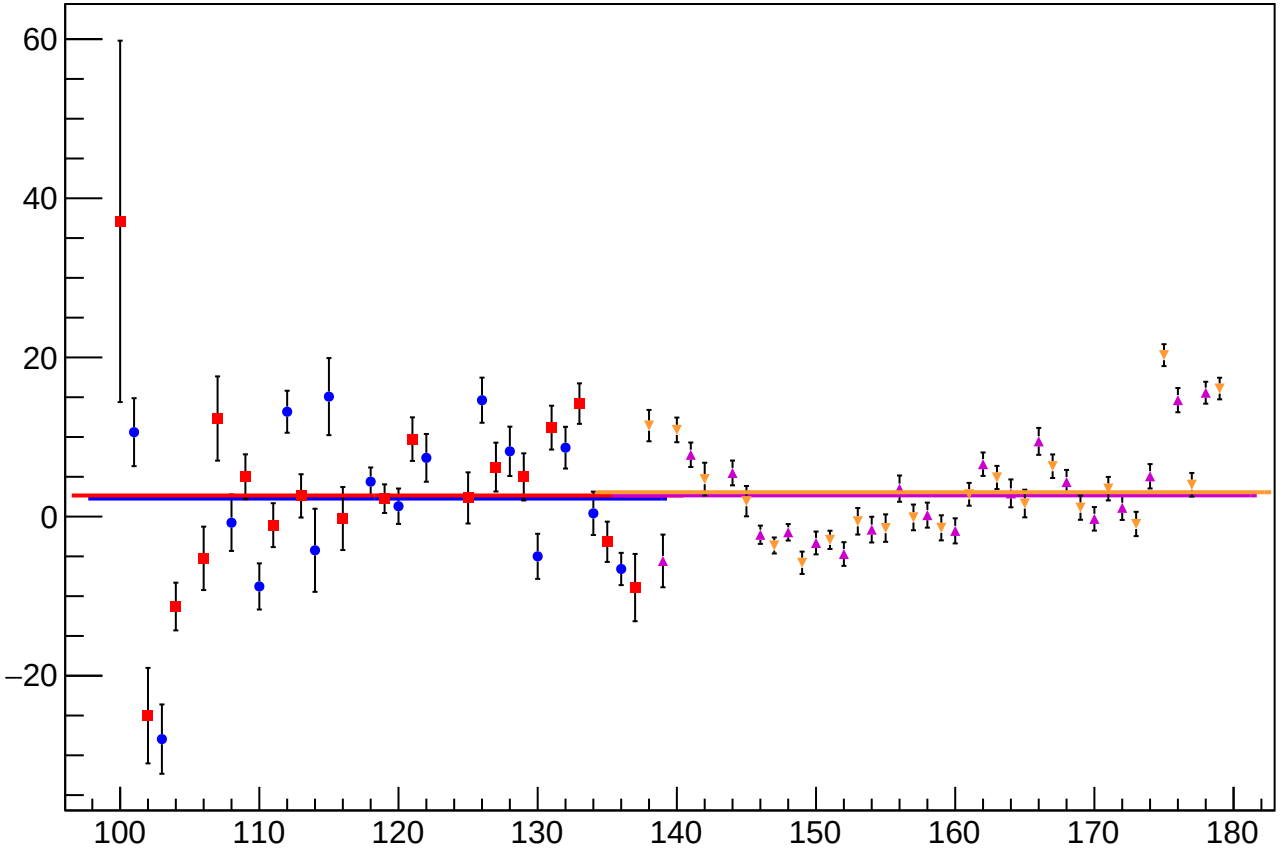
Left In: -15.596+/-0.451 χ^2/NDF:571.2/19

+ sign -0.046+/-0.367 χ^2/NDF: 5806.7/36

All: 0.254+/-0.259 χ^2/NDF: 11287.3/74

- sign 0.554+/-0.367 χ^2/NDF: 5479.3/37

reg_asym_us_dd_atlr_dd_avg_diff_bpm4aY_slope vs Slug



Right In: 2.265+/-0.701 χ^2/NDF: 152.0/15

Left Out: 3.060+/-0.324 χ^2/NDF:444.4/20

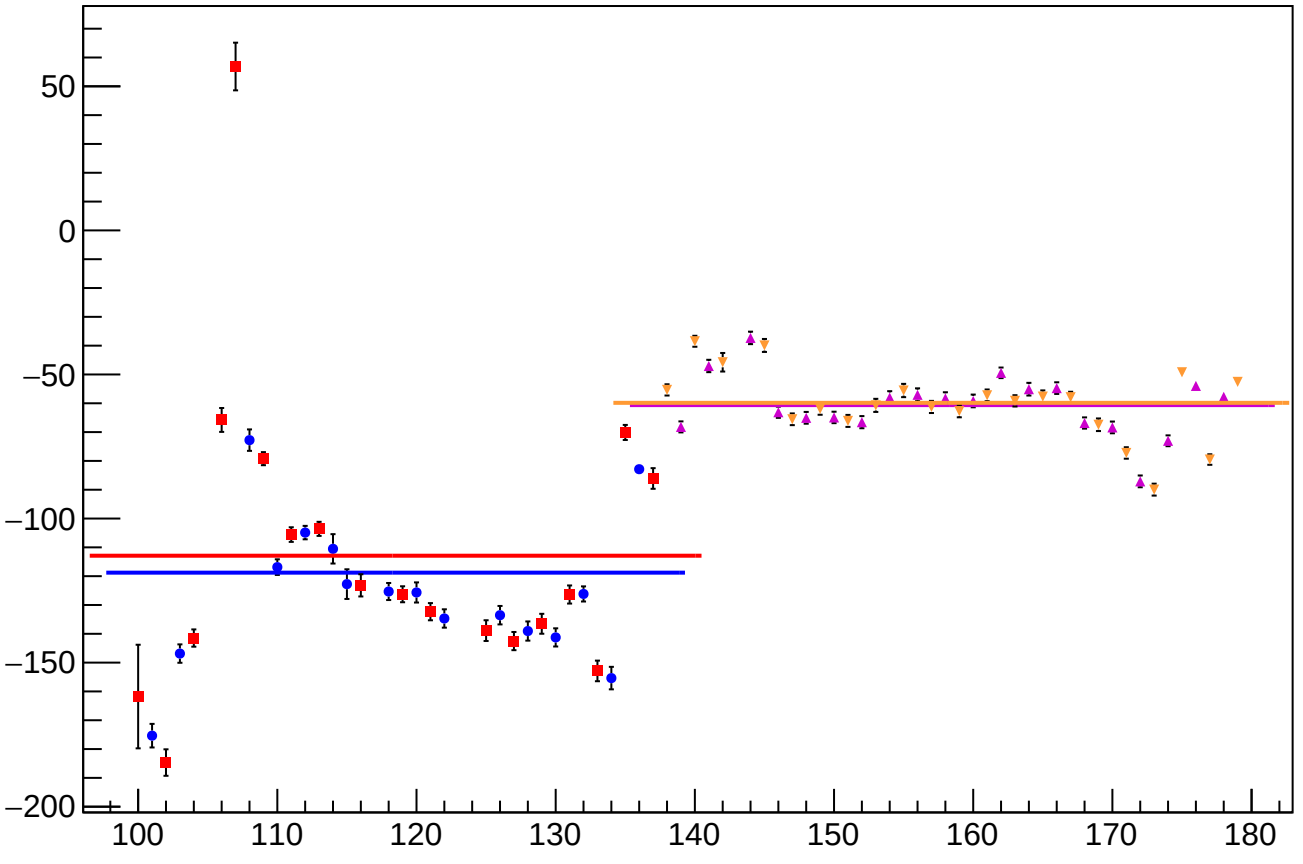
Right Out: 2.651+/-0.715 χ^2/NDF: 107.2/17

Left In: 2.667+/-0.334 χ^2/NDF:300.1/19

\+ sign 2.920+/-0.294 χ^2/NDF: 597.5/36

All: 2.796+/-0.211 χ^2/NDF: 1005.2/74

\- sign 2.664+/-0.303 χ^2/NDF: 407.4/37



Right In: -118.778+/-0.757 χ^2/NDF: 1119.5/15

Left Out: -59.845+/-0.435 χ^2/NDF:749.6/20

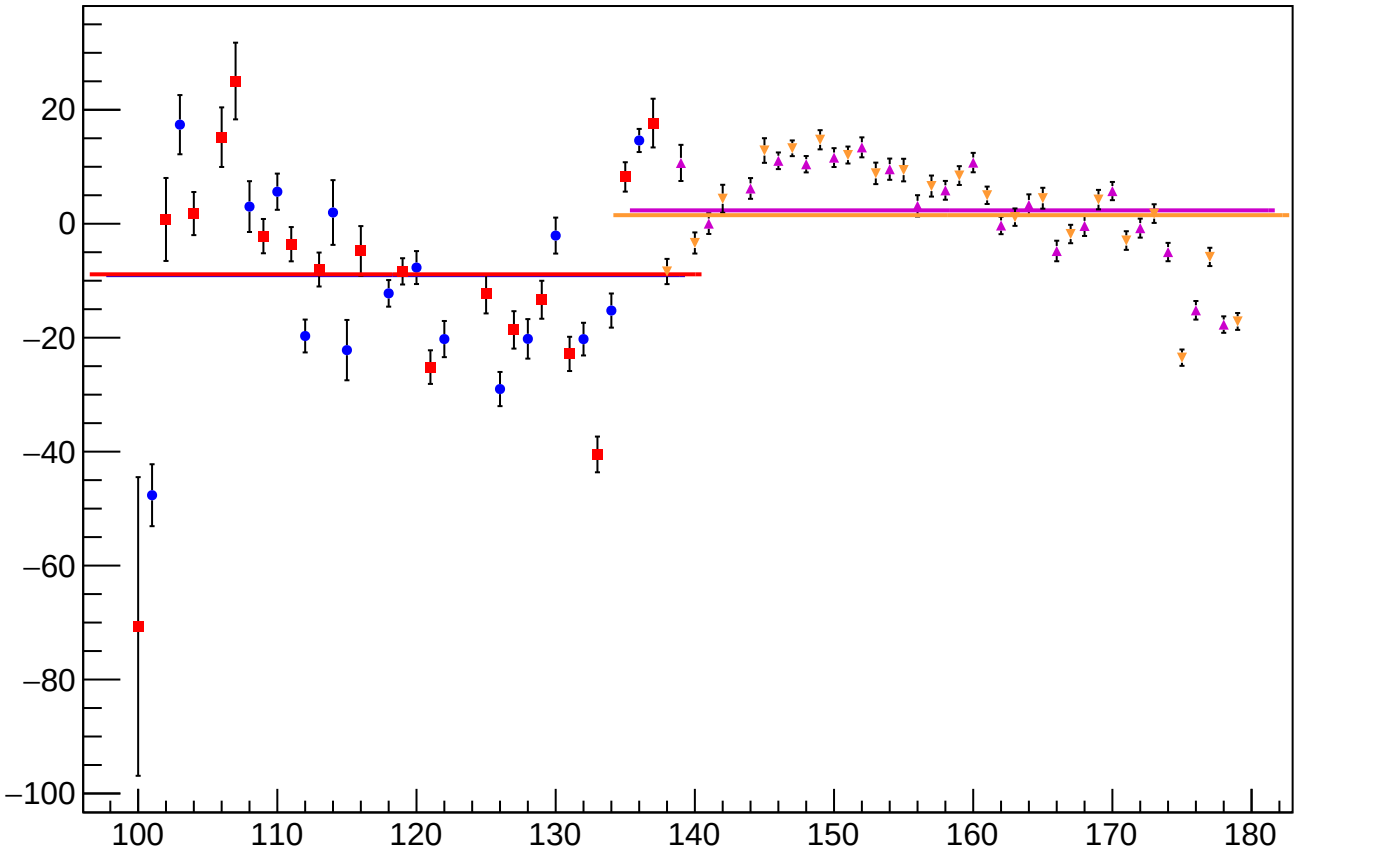
Right Out: -112.899+/-0.761 χ^2/NDF: 1862.9/17

Left In: -60.633+/-0.444 χ^2/NDF:502.6/19

\+ sign -74.485+/-0.377 χ^2/NDF: 6426.4/36

All: -74.204+/-0.269 χ^2/NDF: 12311.8/74

\- sign -73.914+/-0.384 χ^2/NDF: 5884.3/37



Right In: -9.022+/-0.796 χ^2/NDF: 358.0/15

Left Out: 1.505+/-0.369 χ^2/NDF:803.5/20

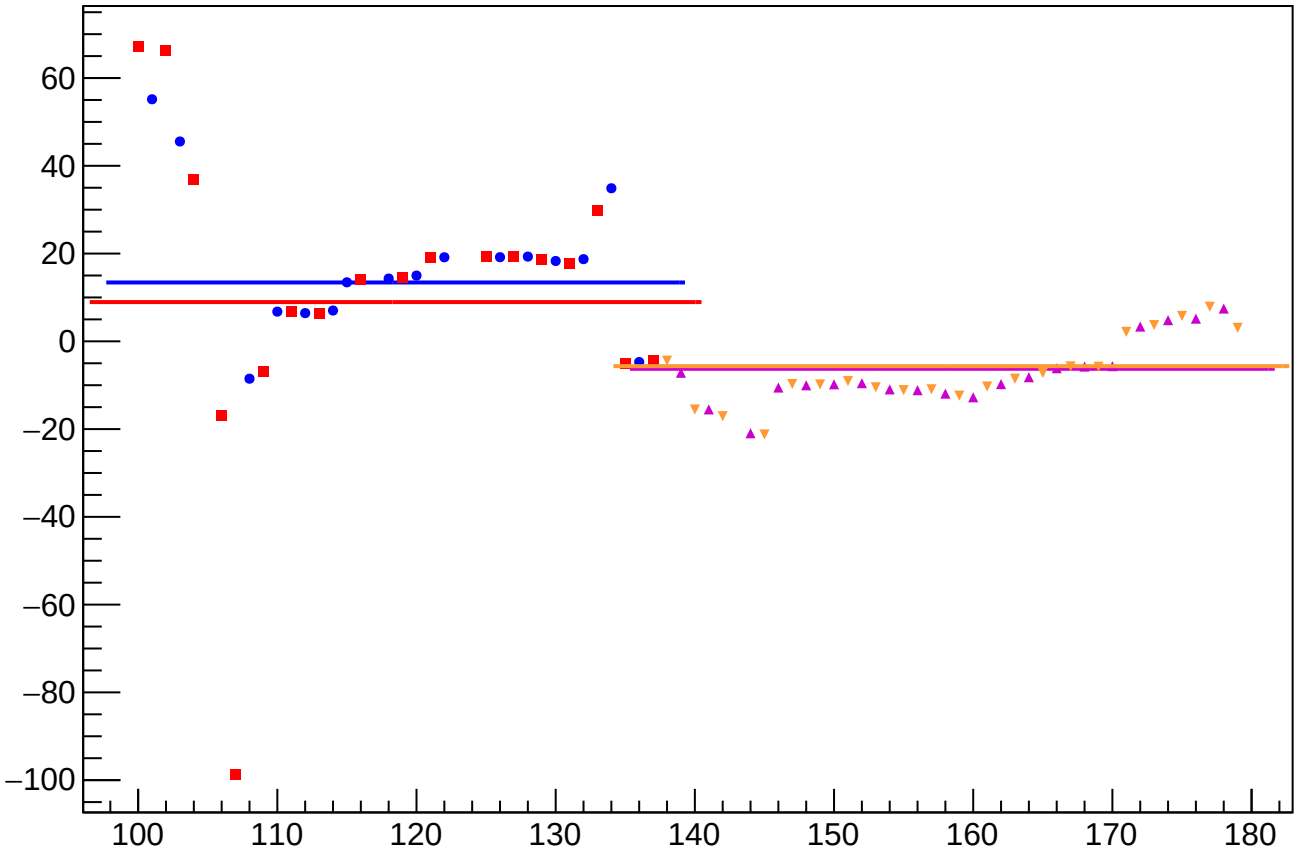
Right Out: -8.878+/-0.810 χ^2/NDF: 318.7/17

Left In: 2.350+/-0.379 χ^2/NDF:553.2/19

+ sign -0.355+/-0.334 χ^2/NDF: 1305.6/36

All: -0.019+/-0.240 χ^2/NDF: 2337.1/74

- sign 0.335+/-0.343 χ^2/NDF: 1029.5/37



Right In: 13.412+/-0.045 χ^2/NDF: 183707.4/15

Left Out: -5.658+/-0.017 χ^2/NDF:206792.4/20

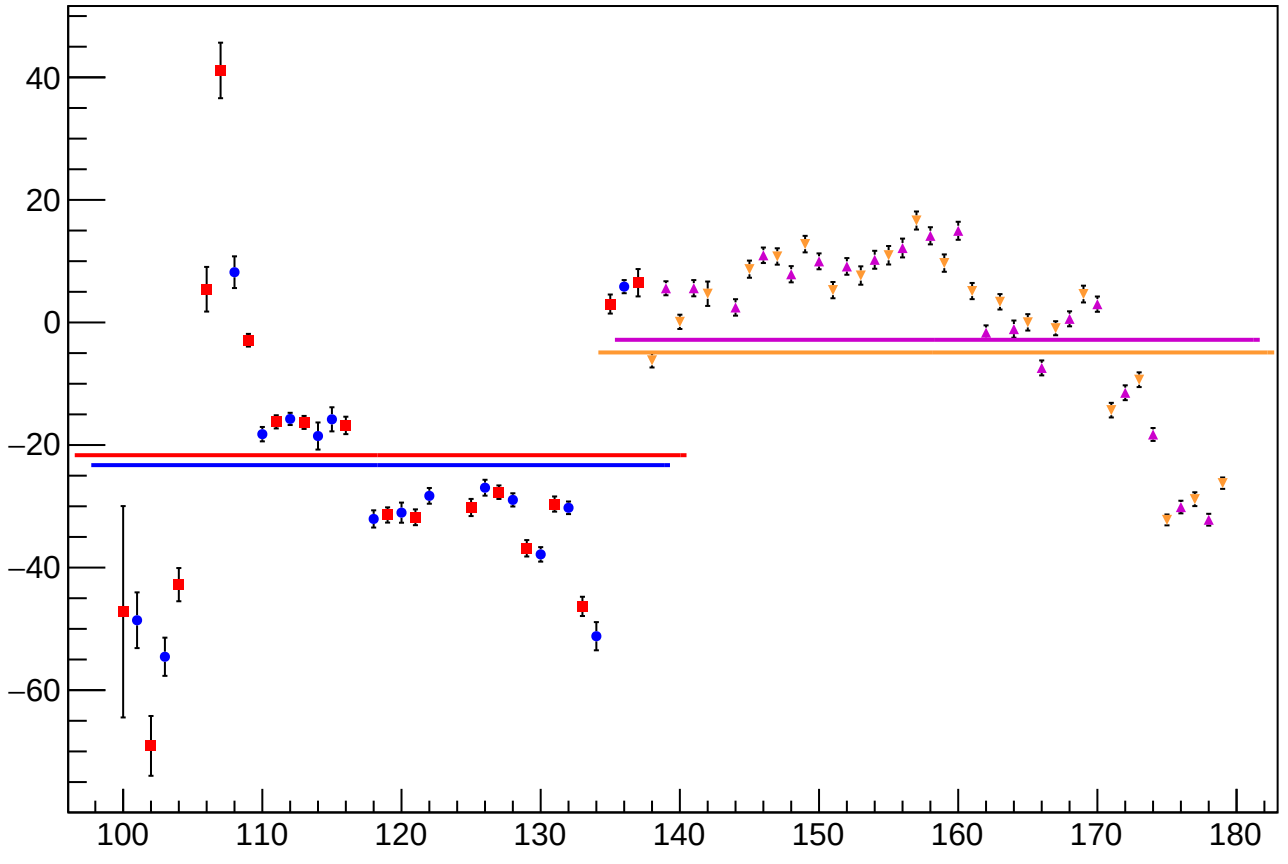
Right Out: 8.943+/-0.047 χ^2/NDF: 291126.5/17

Left In: -6.257+/-0.017 χ^2/NDF:182960.6/19

\+ sign -3.413+/-0.016 χ^2/NDF: 546973.8/36

All: -3.990+/-0.011 χ^2/NDF: 1115361.8/74

\- sign -4.582+/-0.016 χ^2/NDF: 565592.6/37



Right In: -23.281+/-0.350 χ^2/NDF: 1567.9/15

Left Out: -4.894+/-0.273 χ^2/NDF:3179.2/20

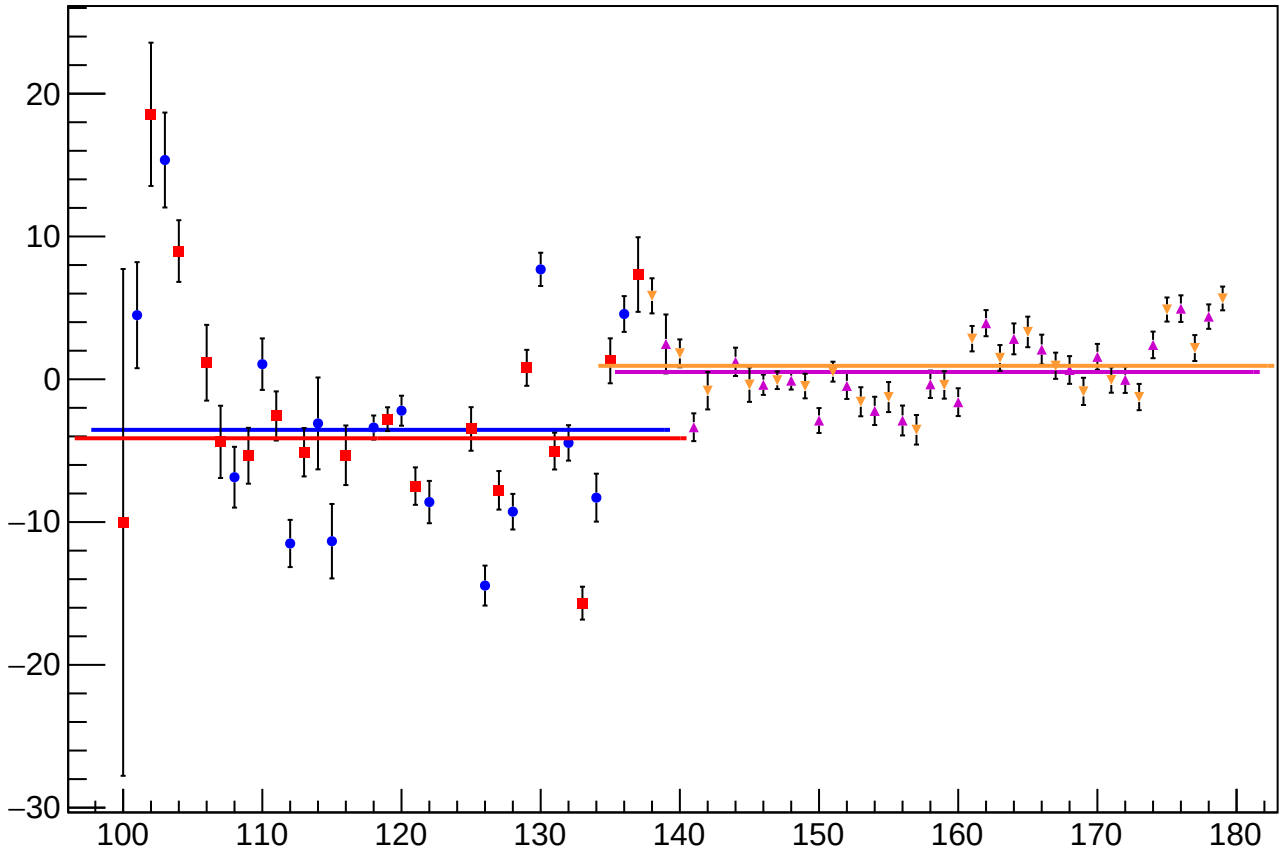
Right Out: -21.660+/-0.347 χ^2/NDF: 1813.6/17

Left In: -2.829+/-0.279 χ^2/NDF:2875.8/19

+ sign -11.840+/-0.215 χ^2/NDF: 6460.4/36

All: -11.028+/-0.153 χ^2/NDF: 12967.3/74

- sign -10.201+/-0.217 χ^2/NDF: 6478.1/37



Right In: -3.541+/-0.363 χ^2/NDF: 316.8/15

Left Out: 0.943+/-0.200 χ^2/NDF:132.6/20

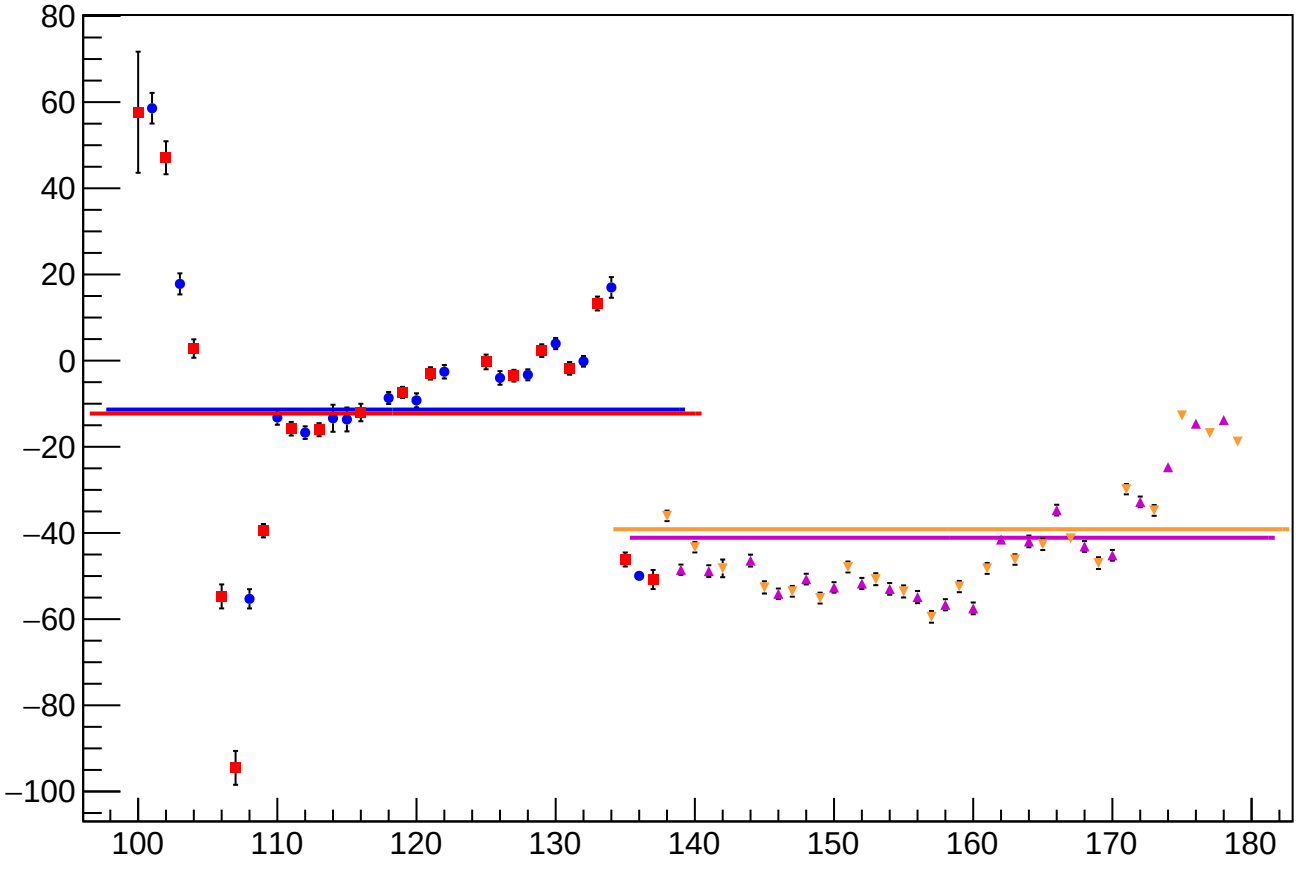
Right Out: -4.132+/-0.371 χ^2/NDF: 227.4/17

Left In: 0.510+/-0.206 χ^2/NDF:129.7/19

\+ sign -0.101+/-0.175 χ^2/NDF: 566.7/36

All: -0.336+/-0.126 χ^2/NDF: 1047.4/74

\- sign -0.586+/-0.180 χ^2/NDF: 476.9/37



Right In: -11.355+/-0.406 χ^2/NDF: 2661.6/15

Left Out: -39.125+/-0.268 χ^2/NDF:2954.5/20

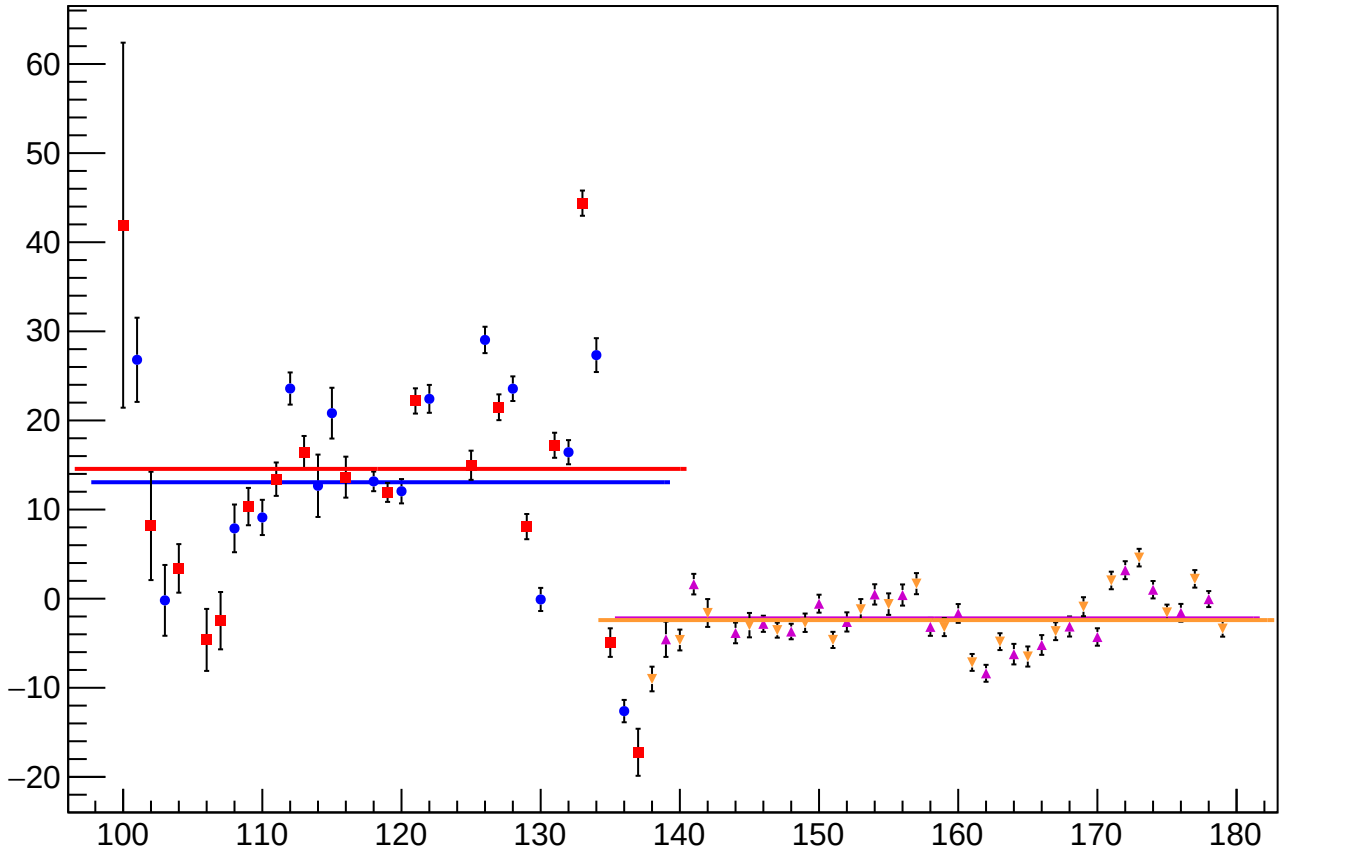
Right Out: -12.281+/-0.413 χ^2/NDF: 2590.4/17

Left In: -41.110+/-0.274 χ^2/NDF:2662.1/19

+ sign -30.672+/-0.224 χ^2/NDF: 8875.8/36

All: -31.462+/-0.160 χ^2/NDF: 17532.5/74

- sign -32.286+/-0.229 χ^2/NDF: 8631.3/37



Right In: 13.066+/-0.415 χ^2/NDF: 863.4/15

Left Out: -2.404+/-0.227 χ^2/NDF:194.0/20

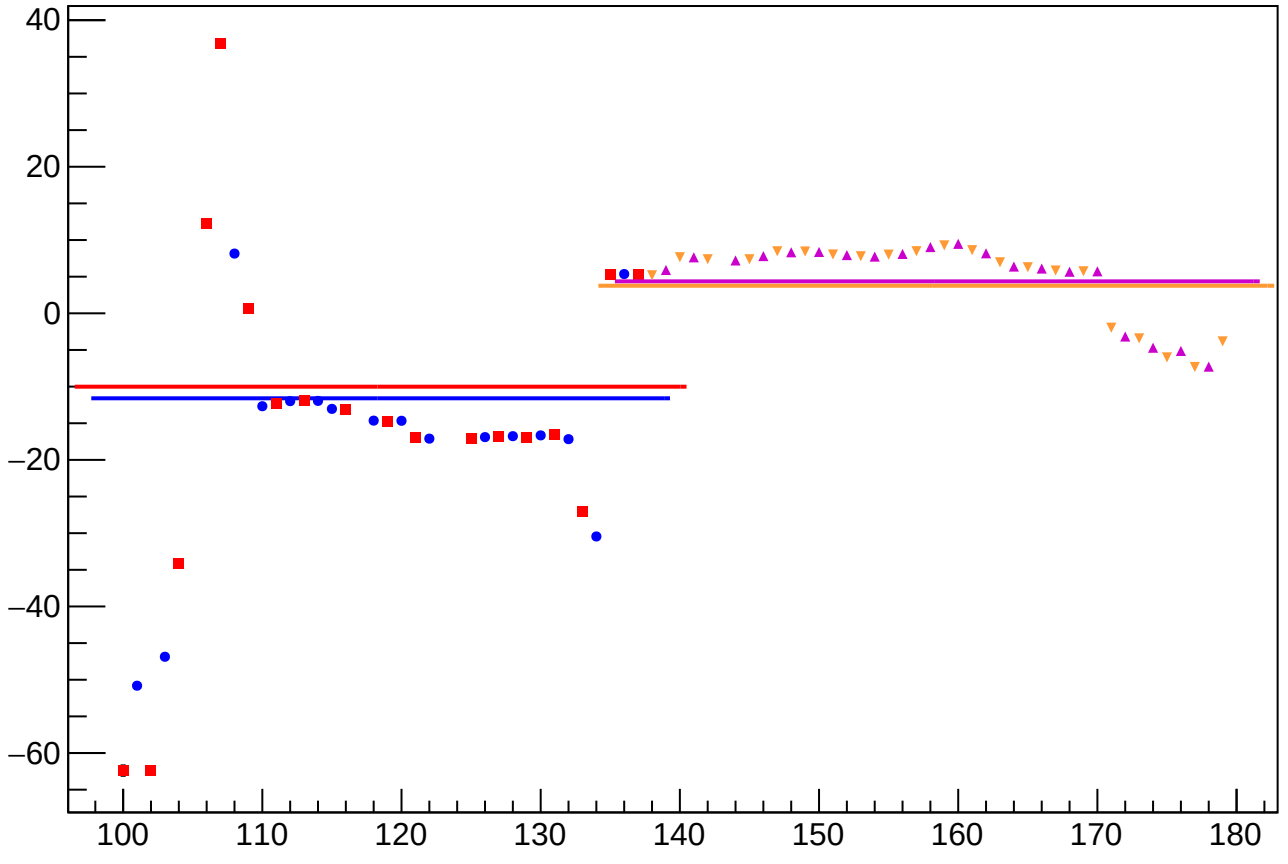
Right Out: 14.563+/-0.423 χ^2/NDF: 903.1/17

Left In: -2.212+/-0.234 χ^2/NDF:144.8/19

+ sign 1.163+/-0.199 χ^2/NDF: 2128.1/36

All: 1.434+/-0.143 χ^2/NDF: 4386.6/74

- sign 1.721+/-0.205 χ^2/NDF: 2254.7/37



Right In: -11.596+/-0.026 χ^2/NDF: 360523.2/15

Left Out: 3.764+/-0.010 χ^2/NDF:314834.6/20

Right Out: -10.012+/-0.027 χ^2/NDF: 396286.9/17

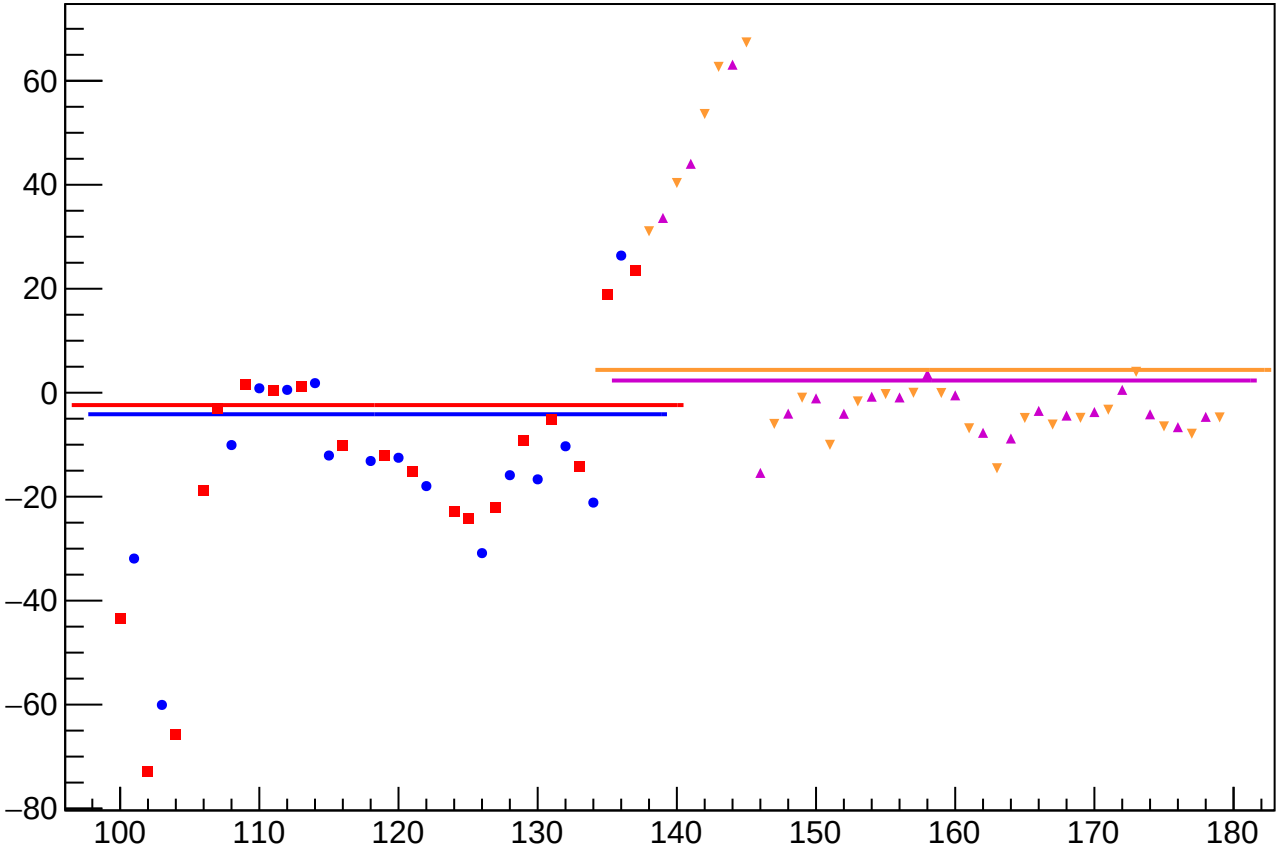
Left In: 4.360+/-0.010 χ^2/NDF:288019.0/19

+ sign 1.757+/-0.010 χ^2/NDF: 971659.6/36

All: 2.165+/-0.007 χ^2/NDF: 1900049.1/74

- sign 2.585+/-0.010 χ^2/NDF: 924653.2/37

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug



Right In: -4.145+/-0.055 χ^2/NDF: 75262.7/15

Left Out: 4.388+/-0.048 χ^2/NDF:170966.2/21

Right Out: -2.382+/-0.046 χ^2/NDF: 80749.3/18

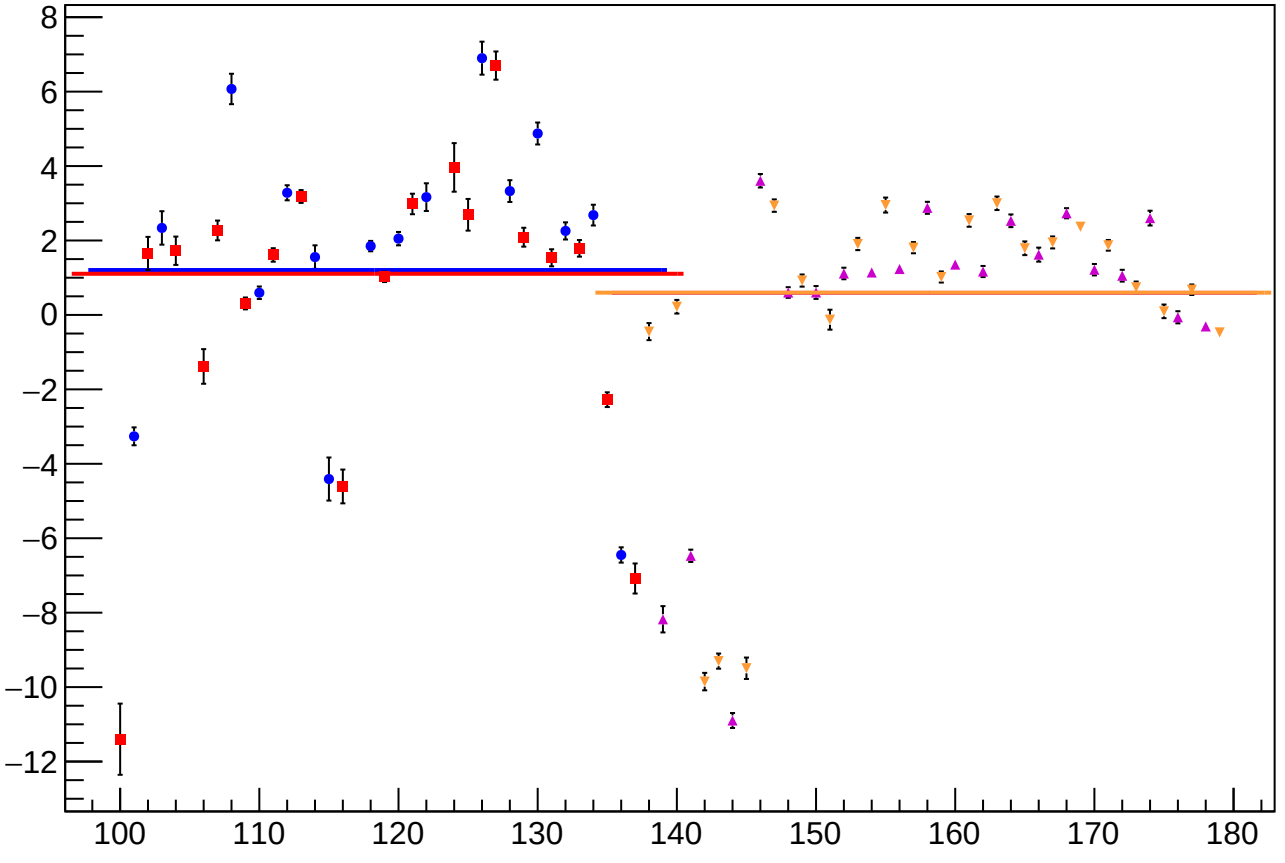
Left In: 2.345+/-0.046 χ^2/NDF:128467.6/19

+ sign 0.655+/-0.036 χ^2/NDF: 259928.3/37

All: 0.297+/-0.024 χ^2/NDF: 474632.6/76

- sign 0.010+/-0.032 χ^2/NDF: 214527.6/38

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug



Right In: 1.206+/-0.060 χ^2/NDF: 2584.4/15

Left Out: 0.598+/-0.036 χ^2/NDF:6816.6/21

Right Out: 1.106+/-0.057 χ^2/NDF: 1587.2/18

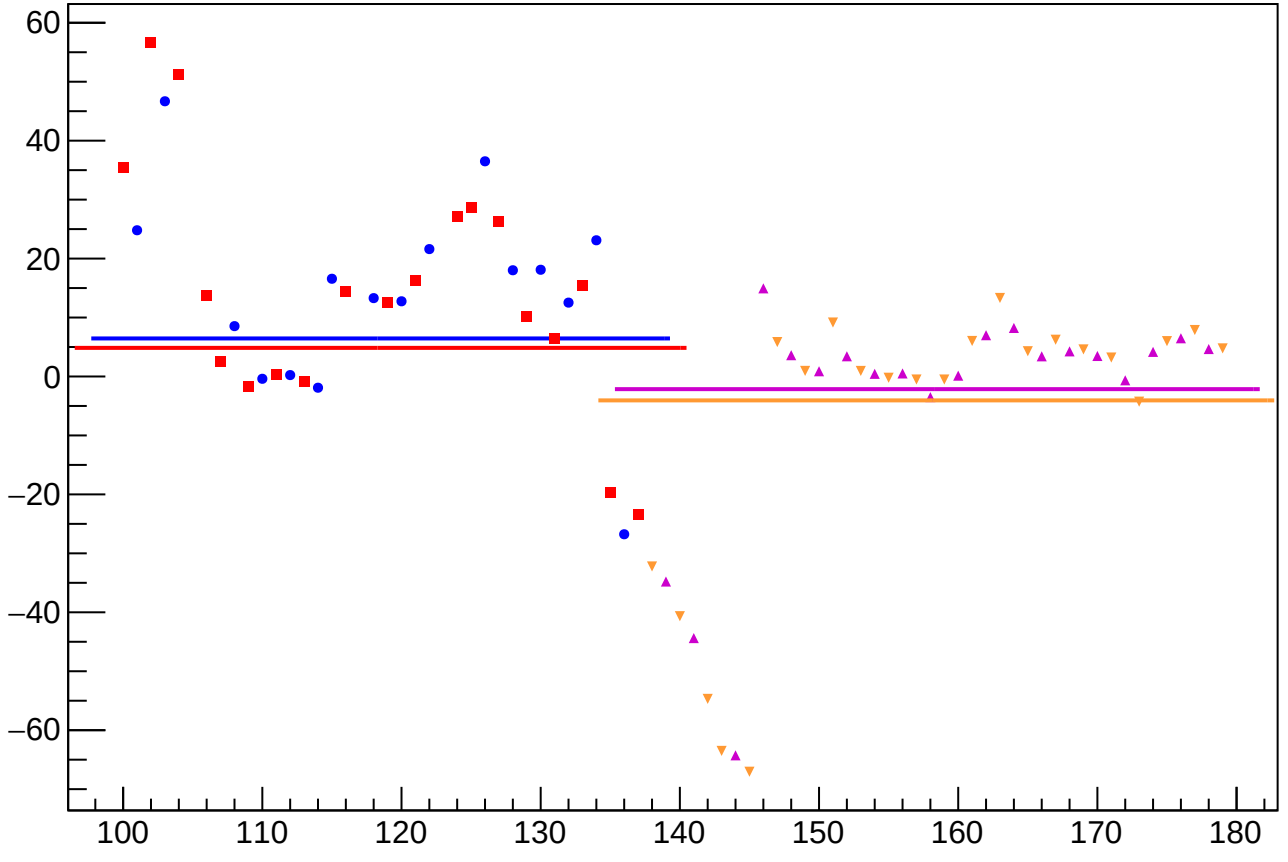
Left In: 0.592+/-0.034 χ^2/NDF:6892.3/19

+ sign 0.761+/-0.031 χ^2/NDF: 9475.2/37

All: 0.742+/-0.021 χ^2/NDF: 18014.9/76

- sign 0.726+/-0.029 χ^2/NDF: 8539.1/38

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs Slug



Right In: 6.453+/-0.065 χ^2/NDF: 70671.1/15

Left Out: -4.054+/-0.048 χ^2/NDF:165461.2/21

Right Out: 4.854+/-0.059 χ^2/NDF: 75267.0/18

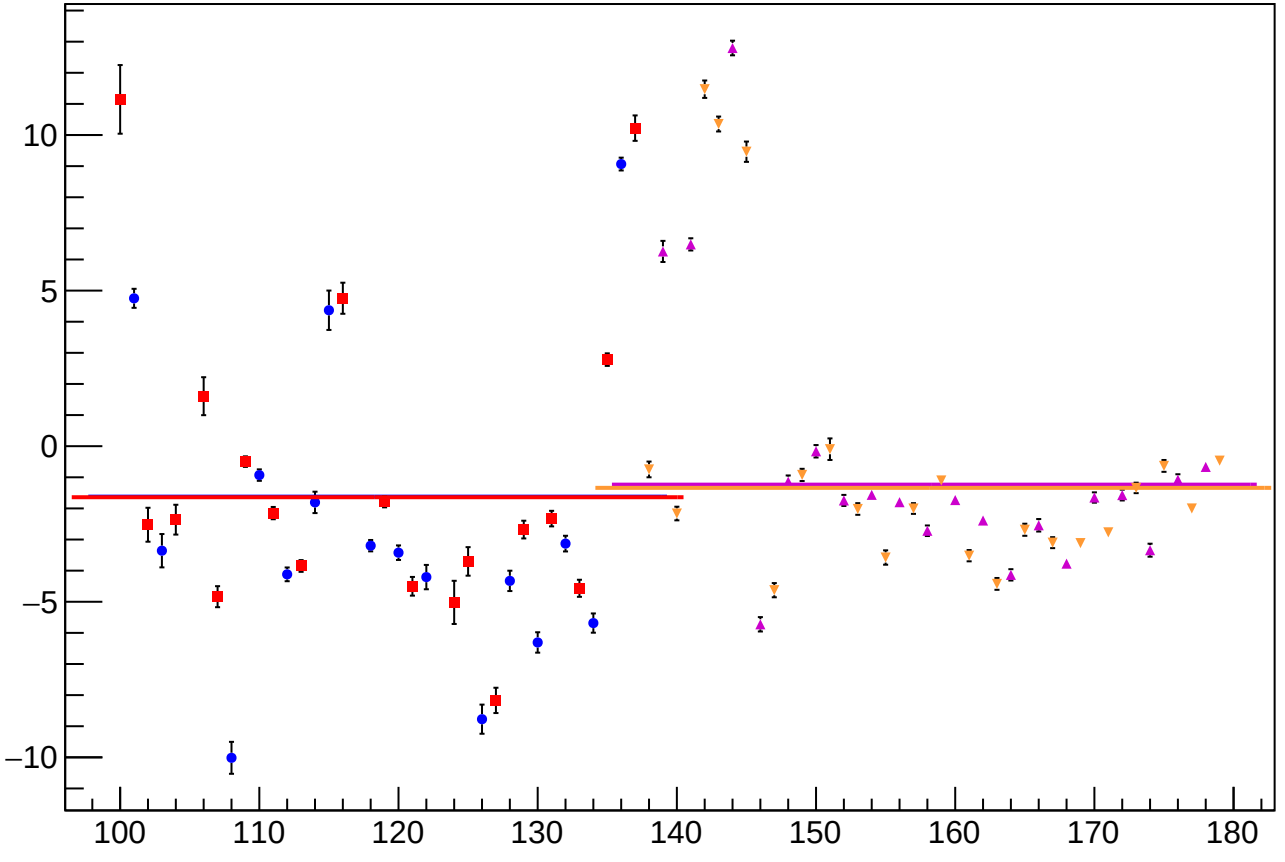
Left In: -2.147+/-0.044 χ^2/NDF:125431.9/19

+ sign -0.411+/-0.038 χ^2/NDF: 253092.6/37

All: 0.016+/-0.026 χ^2/NDF: 462966.4/76

- sign 0.382+/-0.036 χ^2/NDF: 209643.7/38

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug



Right In: -1.622+/-0.070 χ^2/NDF: 4525.3/15

Left Out: -1.339+/-0.041 χ^2/NDF:6780.2/21

Right Out: -1.640+/-0.065 χ^2/NDF: 2462.1/18

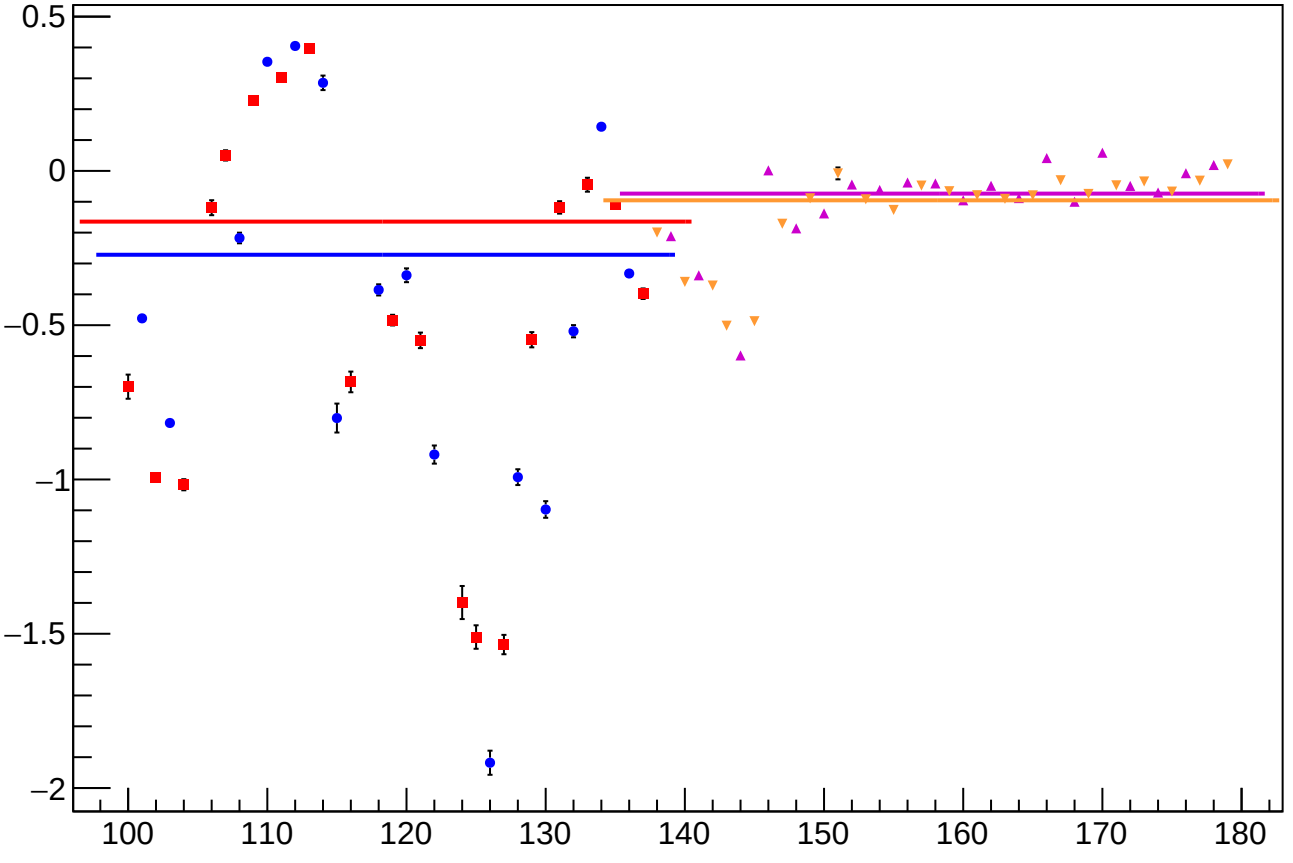
Left In: -1.236+/-0.038 χ^2/NDF:6856.5/19

+ sign -1.411+/-0.035 χ^2/NDF: 11317.7/37

All: -1.373+/-0.024 χ^2/NDF: 20667.7/76

- sign -1.340+/-0.033 χ^2/NDF: 9347.8/38

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug



Right In: -0.272+/-0.004 χ^2/NDF: 12048.2/15

Left Out: -0.095+/-0.002 χ^2/NDF:3986.7/21

Right Out: -0.164+/-0.004 χ^2/NDF: 15497.0/18

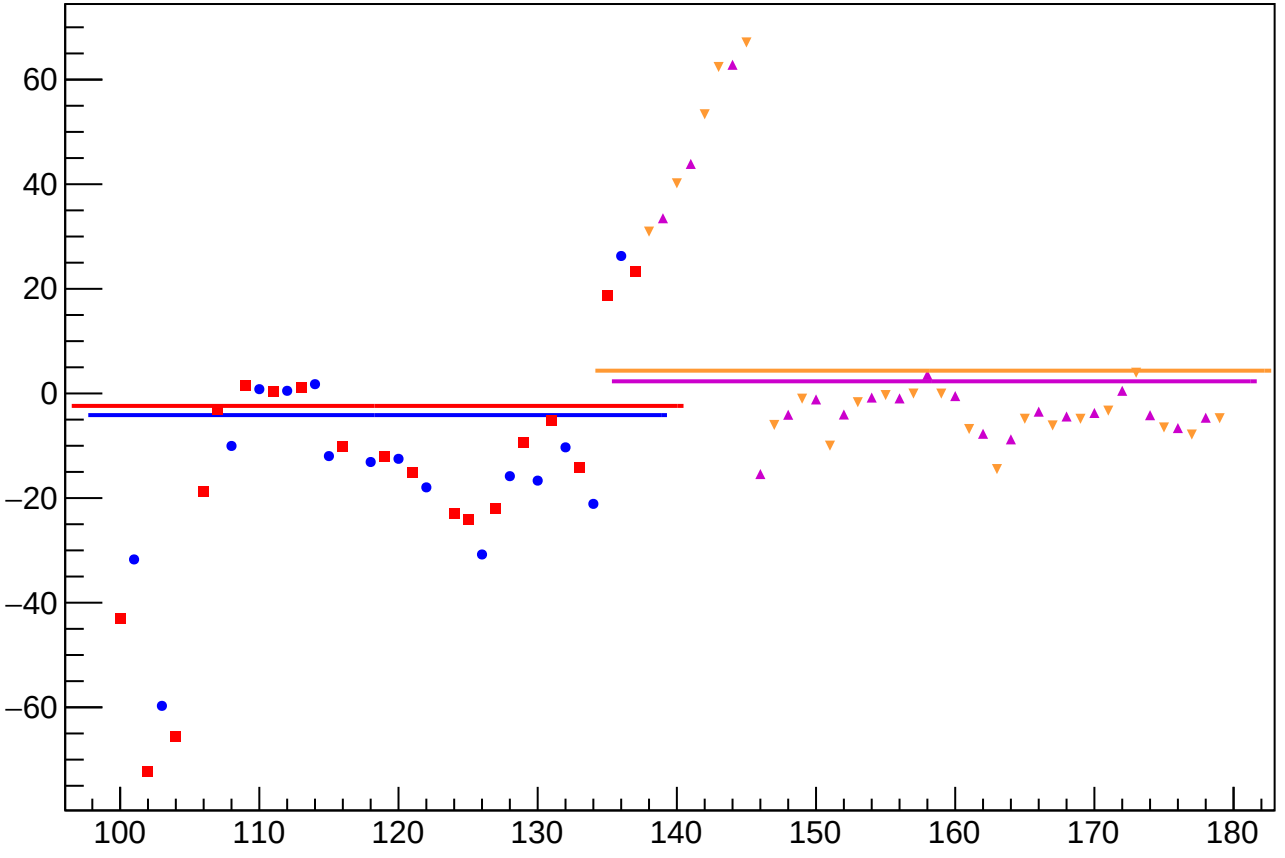
Left In: -0.074+/-0.002 χ^2/NDF:4011.9/19

+ sign -0.123+/-0.002 χ^2/NDF: 17558.0/37

All: -0.103+/-0.001 χ^2/NDF: 37803.3/76

- sign -0.088+/-0.001 χ^2/NDF: 19992.2/38

reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug



Right In: -4.139+/-0.054 χ^2/NDF: 75240.1/15

Left Out: 4.356+/-0.048 χ^2/NDF:170729.3/21

Right Out: -2.380+/-0.046 χ^2/NDF: 80668.5/18

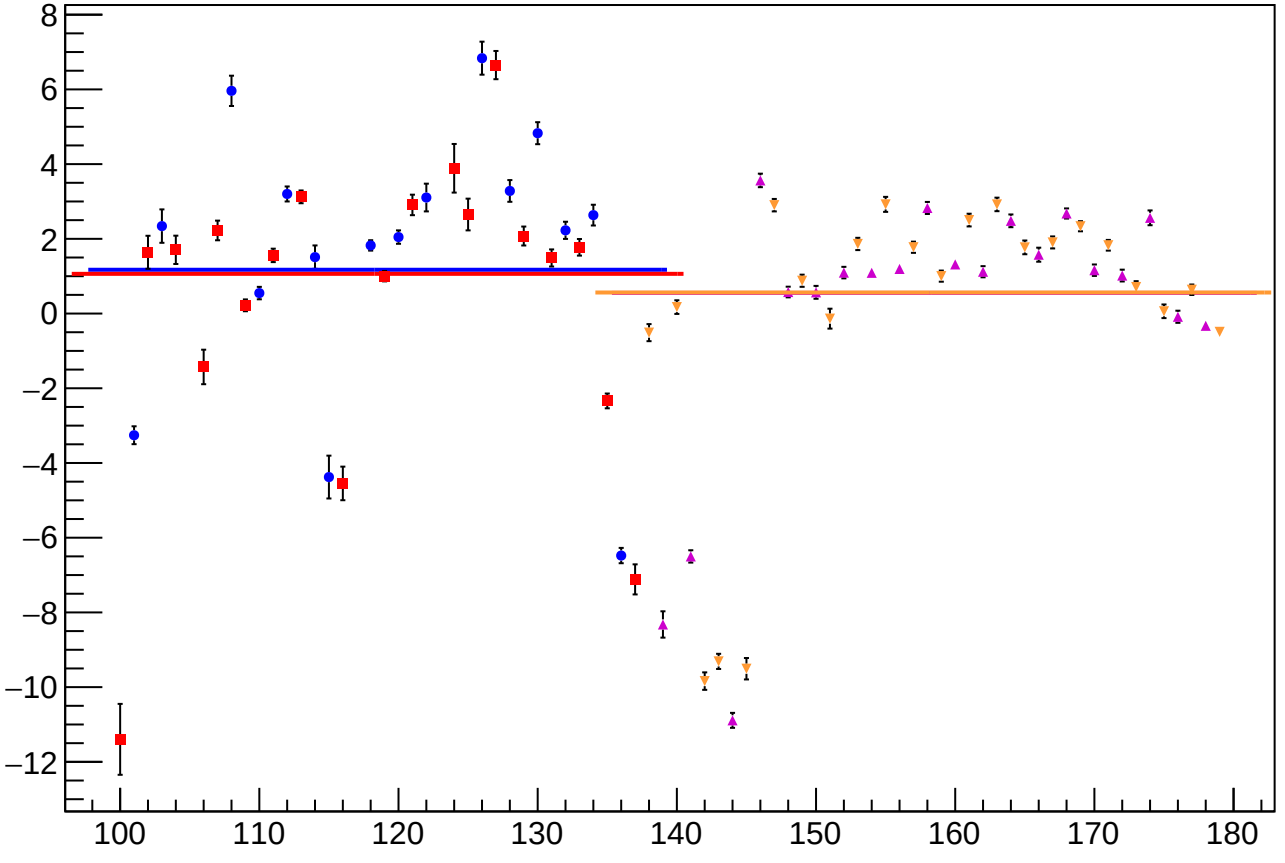
Left In: 2.319+/-0.045 χ^2/NDF:128350.9/19

+ sign 0.629+/-0.036 χ^2/NDF: 259682.6/37

All: 0.274+/-0.024 χ^2/NDF: 474175.7/76

- sign -0.011+/-0.032 χ^2/NDF: 214318.1/38

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug



Right In: 1.172+/-0.060 χ^2/NDF: 2584.5/15

Left Out: 0.564+/-0.036 χ^2/NDF:6819.4/21

Right Out: 1.063+/-0.057 χ^2/NDF: 1596.5/18

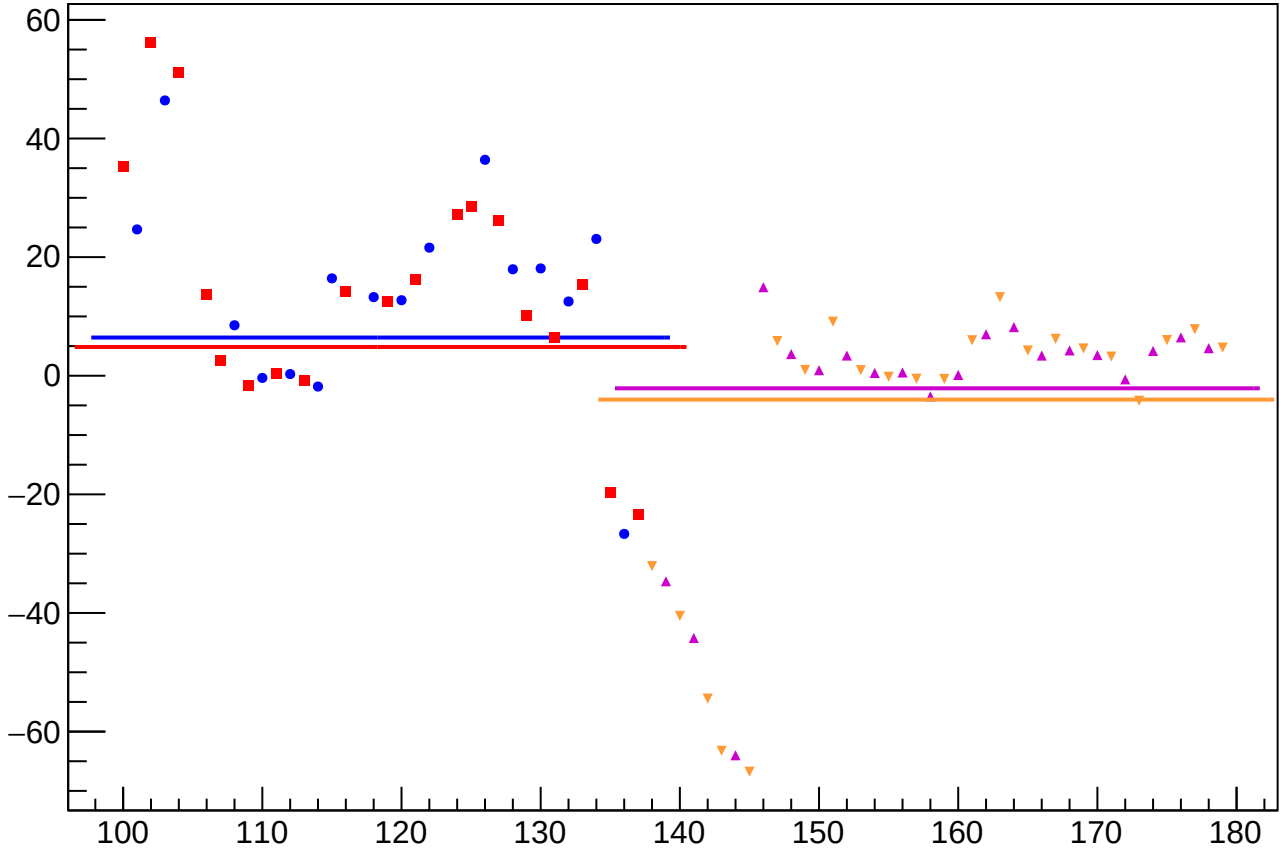
Left In: 0.552+/-0.034 χ^2/NDF:6905.9/19

+ sign 0.726+/-0.031 χ^2/NDF: 9479.0/37

All: 0.705+/-0.021 χ^2/NDF: 18041.7/76

- sign 0.686+/-0.029 χ^2/NDF: 8561.8/38

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug



Right In: 6.442+/-0.065 χ^2/NDF: 70630.3/15

Left Out: -4.023+/-0.047 χ^2/NDF:165230.0/21

Right Out: 4.848+/-0.059 χ^2/NDF: 75159.9/18

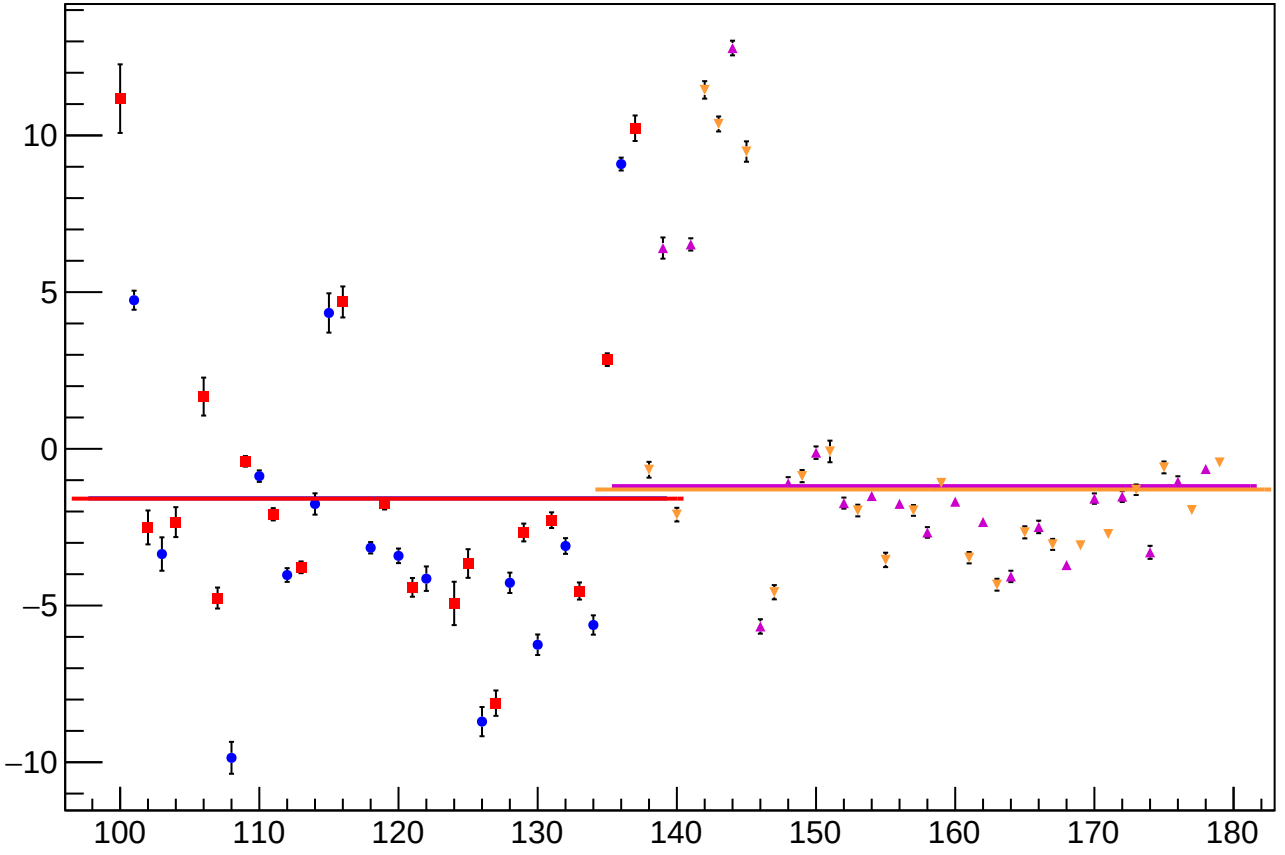
Left In: -2.121+/-0.044 χ^2/NDF:125313.4/19

+ sign -0.385+/-0.038 χ^2/NDF: 252847.5/37

All: 0.041+/-0.026 χ^2/NDF: 462499.7/76

- sign 0.406+/-0.035 χ^2/NDF: 209421.9/38

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug



Right In: -1.580+/-0.069 χ^2/NDF: 4524.3/15

Left Out: -1.298+/-0.041 χ^2/NDF:6777.9/21

Right Out: -1.589+/-0.064 χ^2/NDF: 2472.2/18

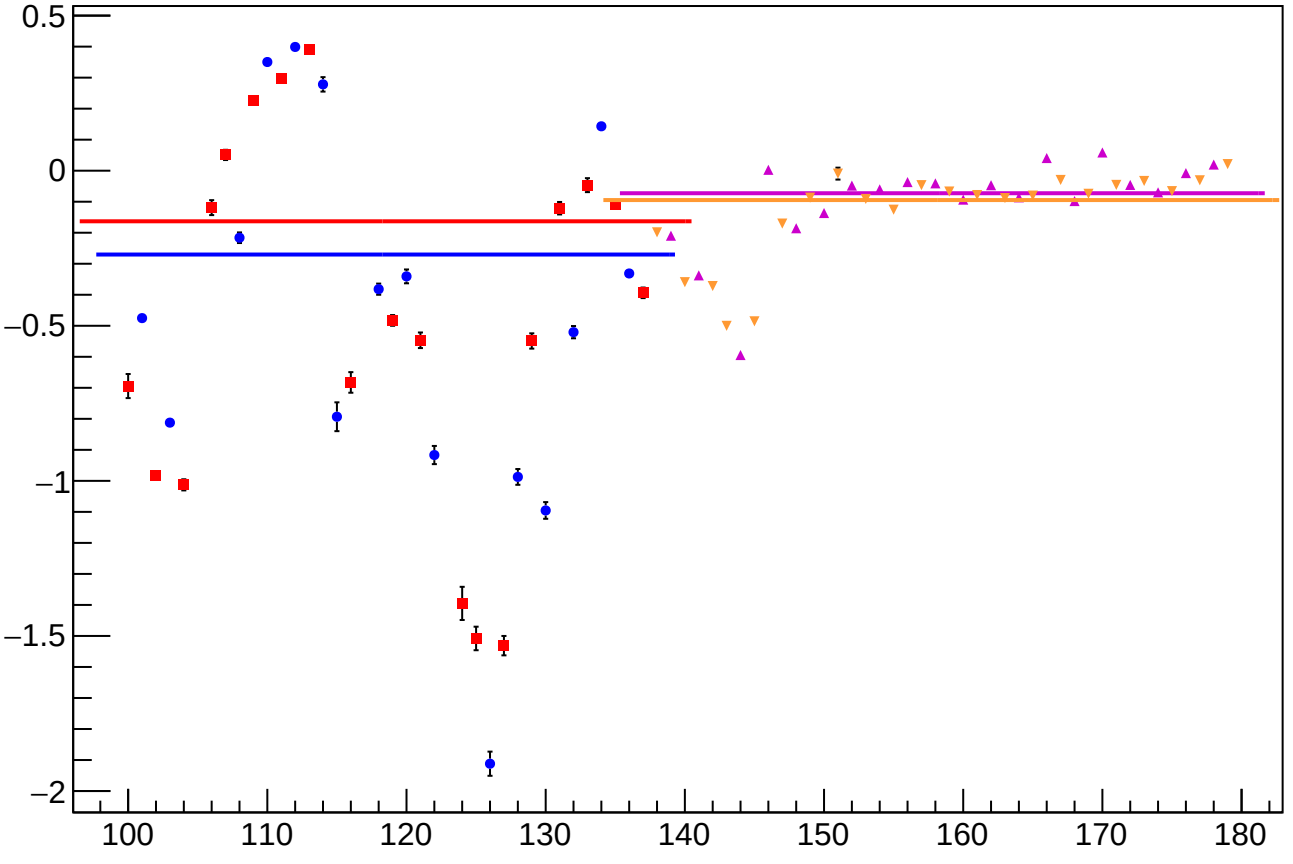
Left In: -1.189+/-0.038 χ^2/NDF:6869.6/19

+ sign -1.370+/-0.035 χ^2/NDF: 11314.5/37

All: -1.329+/-0.024 χ^2/NDF: 20687.7/76

- sign -1.293+/-0.033 χ^2/NDF: 9370.6/38

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug



Right In: -0.270+/-0.004 χ^2/NDF: 12036.3/15

Left Out: -0.095+/-0.002 χ^2/NDF:4005.6/21

Right Out: -0.163+/-0.004 χ^2/NDF: 15510.0/18

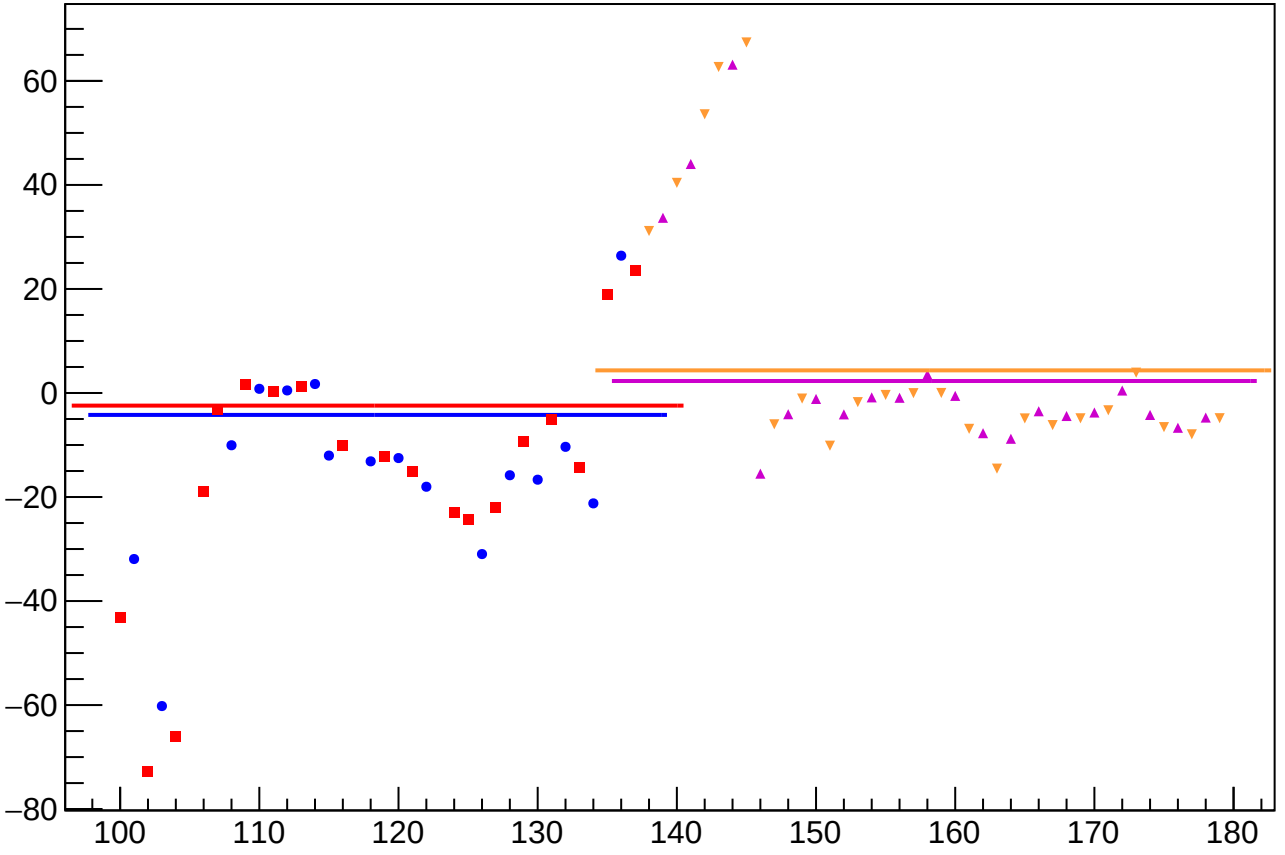
Left In: -0.073+/-0.002 χ^2/NDF:3992.8/19

+ sign -0.122+/-0.002 χ^2/NDF: 17565.7/37

All: -0.103+/-0.001 χ^2/NDF: 37811.5/76

- sign -0.087+/-0.001 χ^2/NDF: 19987.7/38

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug



Right In: -4.214+/-0.055 χ^2/NDF: 75215.4/15

Left Out: 4.349+/-0.048 χ^2/NDF:171150.3/21

Right Out: -2.427+/-0.046 χ^2/NDF: 80724.5/18

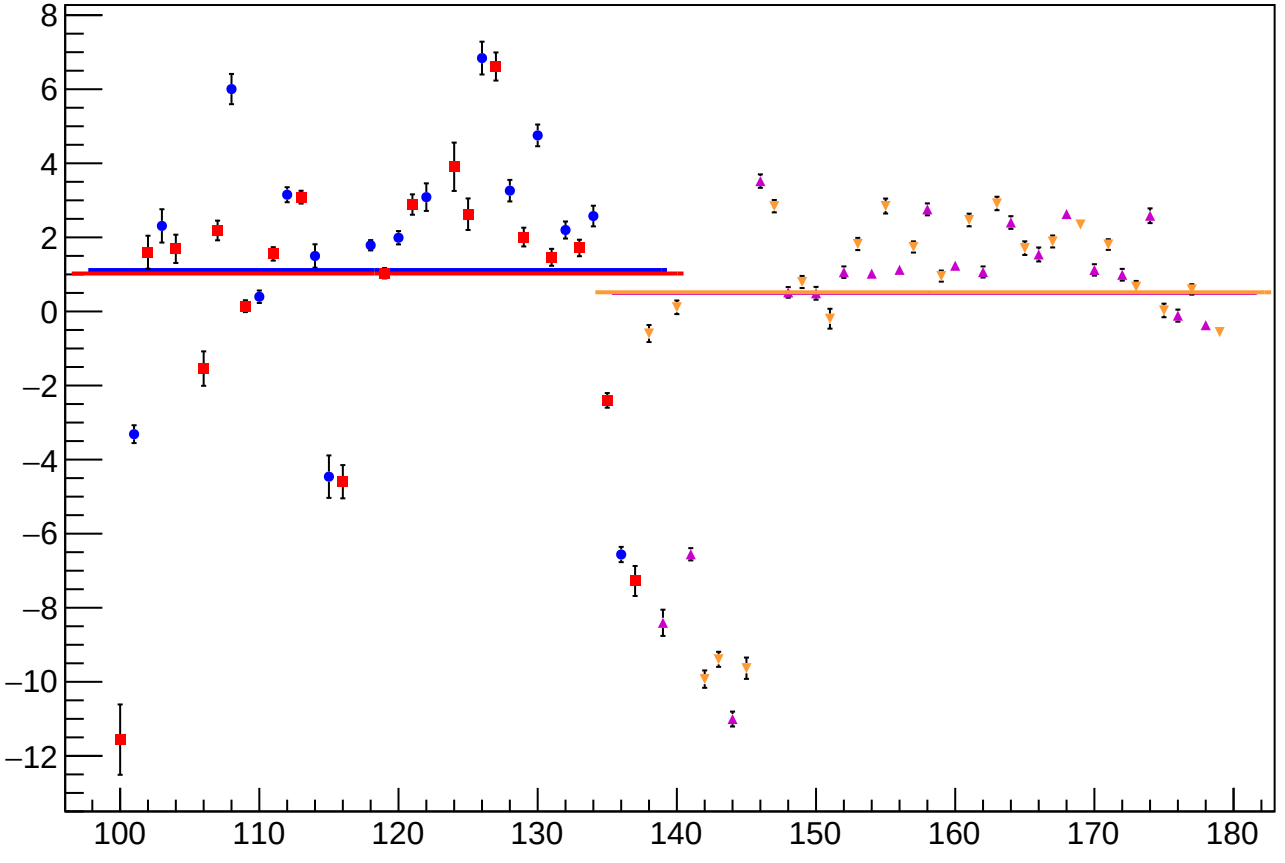
Left In: 2.305+/-0.046 χ^2/NDF:128507.3/19

+ sign 0.601+/-0.036 χ^2/NDF: 260141.7/37

All: 0.249+/-0.024 χ^2/NDF: 474856.2/76

- sign -0.033+/-0.032 χ^2/NDF: 214544.3/38

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug



Right In: 1.118+/-0.060 χ^2/NDF: 2591.7/15

Left Out: 0.518+/-0.036 χ^2/NDF:6843.0/21

Right Out: 1.025+/-0.057 χ^2/NDF: 1612.0/18

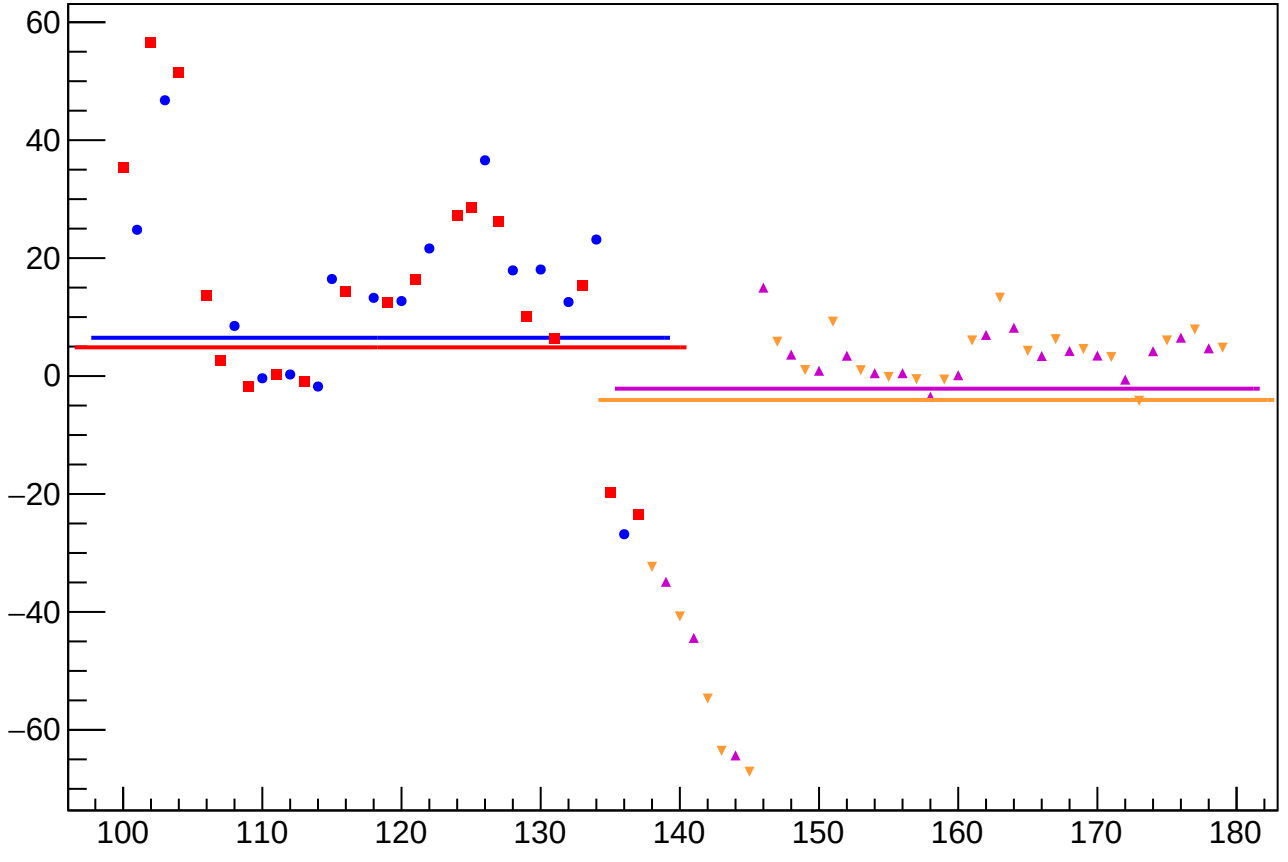
Left In: 0.498+/-0.034 χ^2/NDF:6888.9/19

+ sign 0.678+/-0.031 χ^2/NDF: 9507.0/37

All: 0.656+/-0.021 χ^2/NDF: 18071.4/76

- sign 0.636+/-0.029 χ^2/NDF: 8563.5/38

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug



Right In: 6.492+/-0.065 χ^2/NDF: 70623.9/15

Left Out: -4.050+/-0.048 χ^2/NDF:165645.1/21

Right Out: 4.869+/-0.059 χ^2/NDF: 75265.6/18

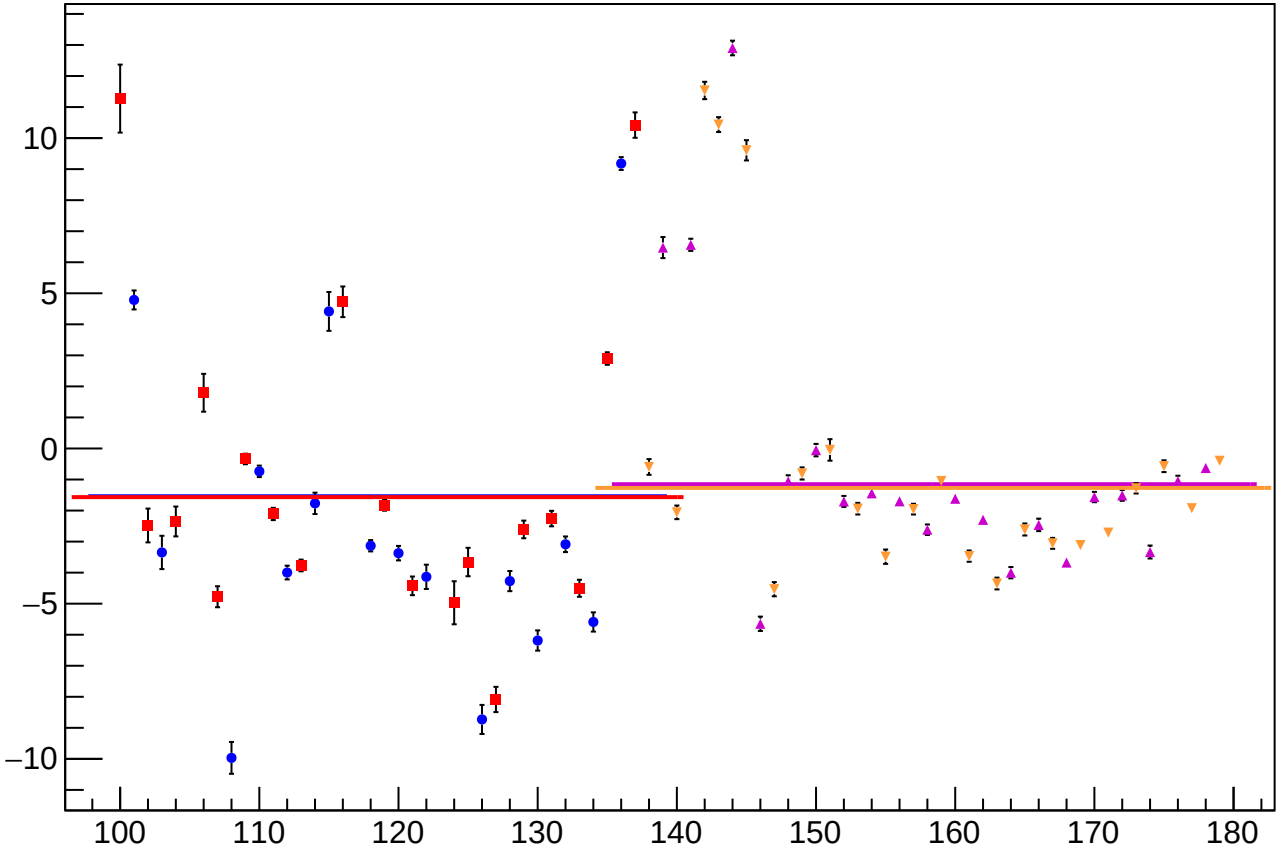
Left In: -2.141+/-0.045 χ^2/NDF:125483.2/19

+ sign -0.391+/-0.038 χ^2/NDF: 253325.3/37

All: 0.031+/-0.026 χ^2/NDF: 463252.9/76

- sign 0.393+/-0.036 χ^2/NDF: 209703.7/38

reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug



Right In: -1.540+/-0.070 χ^2/NDF: 4535.9/15

Left Out: -1.270+/-0.041 χ^2/NDF:6803.1/21

Right Out: -1.567+/-0.065 χ^2/NDF: 2497.0/18

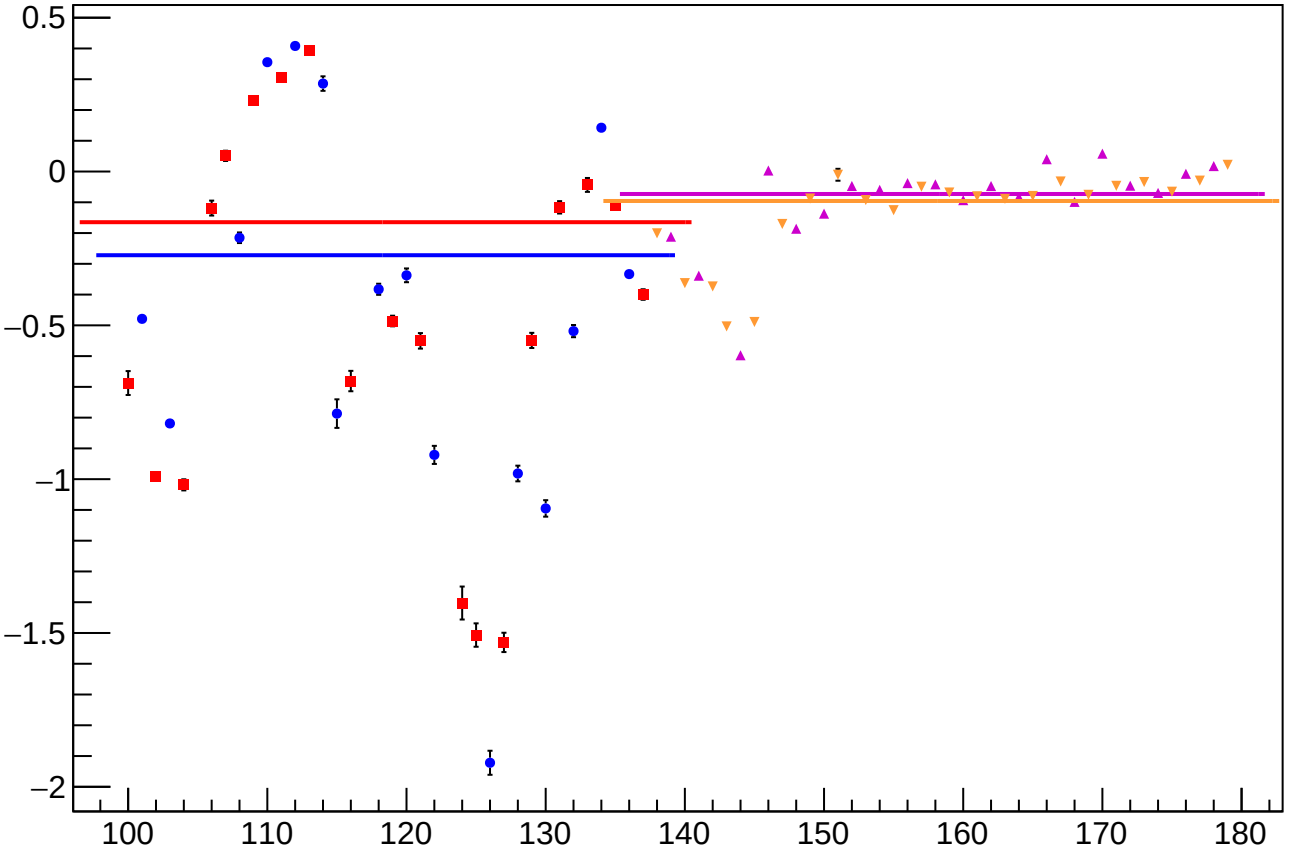
Left In: -1.151+/-0.038 χ^2/NDF:6858.5/19

+ sign -1.339+/-0.035 χ^2/NDF: 11350.2/37

All: -1.296+/-0.024 χ^2/NDF: 20739.3/76

- sign -1.259+/-0.033 χ^2/NDF: 9386.3/38

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug



Right In: -0.272+/-0.004 χ^2/NDF: 12063.6/15

Left Out: -0.096+/-0.002 χ^2/NDF:4020.6/21

Right Out: -0.165+/-0.004 χ^2/NDF: 15490.5/18

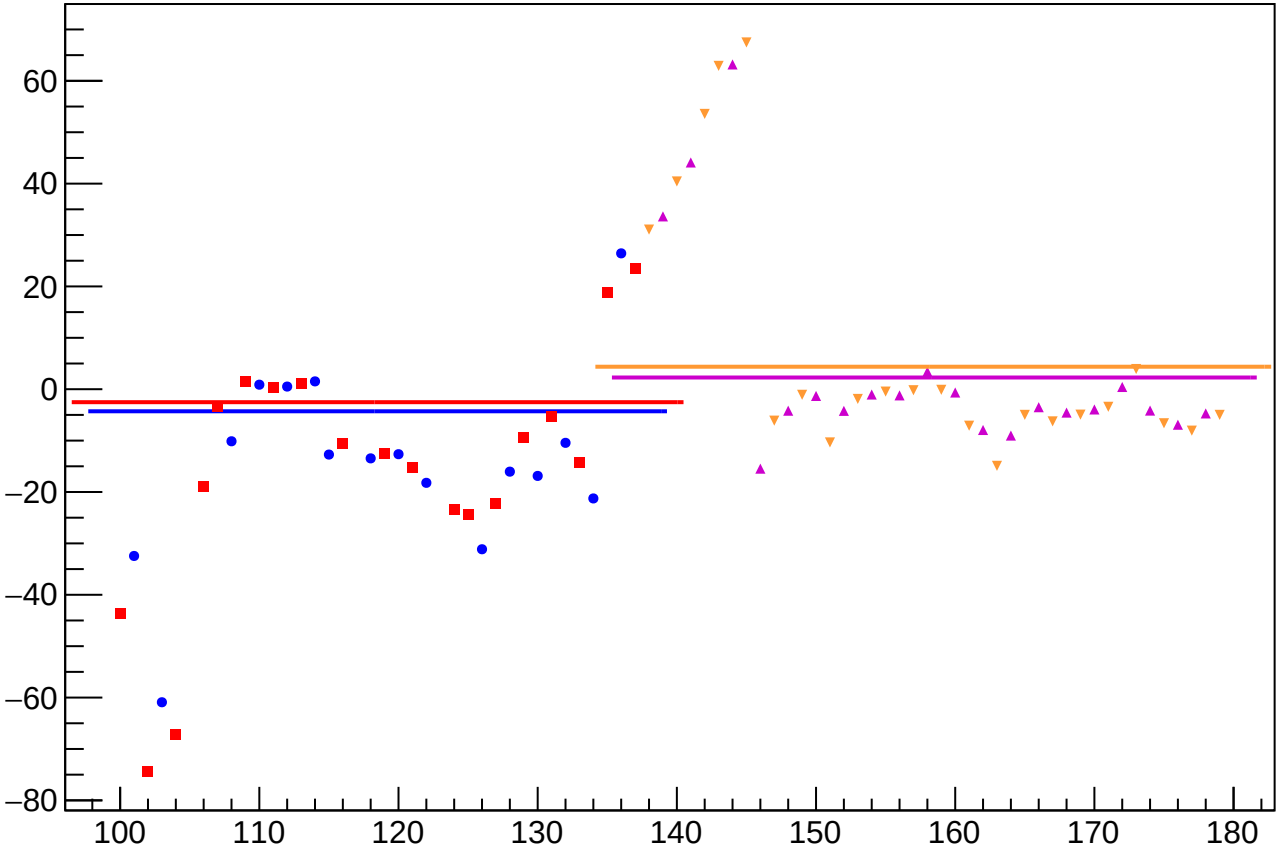
Left In: -0.073+/-0.002 χ^2/NDF:3980.7/19

+ sign -0.123+/-0.002 χ^2/NDF: 17603.3/37

All: -0.103+/-0.001 χ^2/NDF: 37831.7/76

- sign -0.087+/-0.001 χ^2/NDF: 19963.5/38

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug



Right In: -4.296+/-0.056 χ^2/NDF: 74218.3/15

Left Out: 4.376+/-0.049 χ^2/NDF:168758.5/21

Right Out: -2.524+/-0.047 χ^2/NDF: 79883.8/18

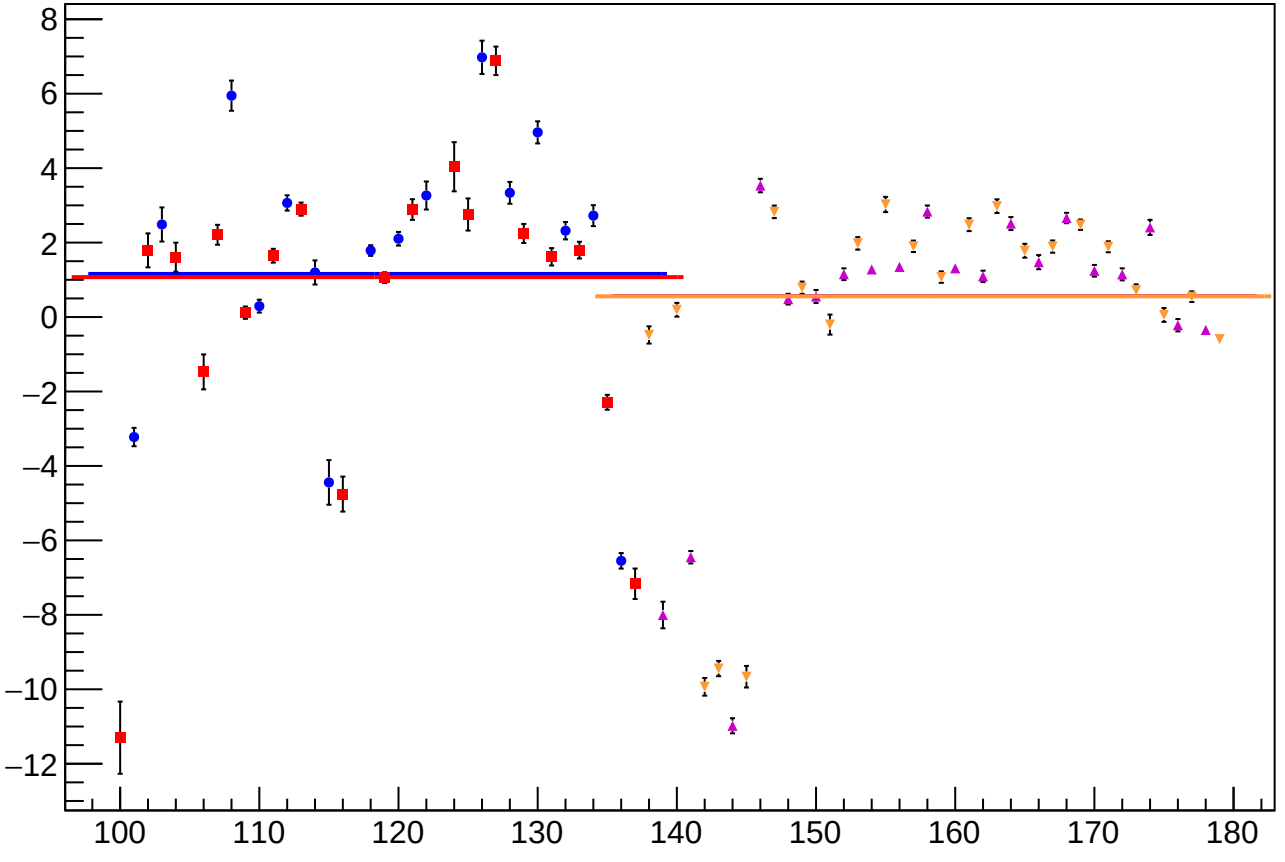
Left In: 2.277+/-0.047 χ^2/NDF:126491.2/19

+ sign 0.591+/-0.037 χ^2/NDF: 256618.9/37

All: 0.217+/-0.025 χ^2/NDF: 468428.5/76

- sign -0.087+/-0.033 χ^2/NDF: 211622.4/38

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug



Right In: 1.158+/-0.062 χ^2/NDF: 2549.9/15

Left Out: 0.557+/-0.037 χ^2/NDF:6833.7/21

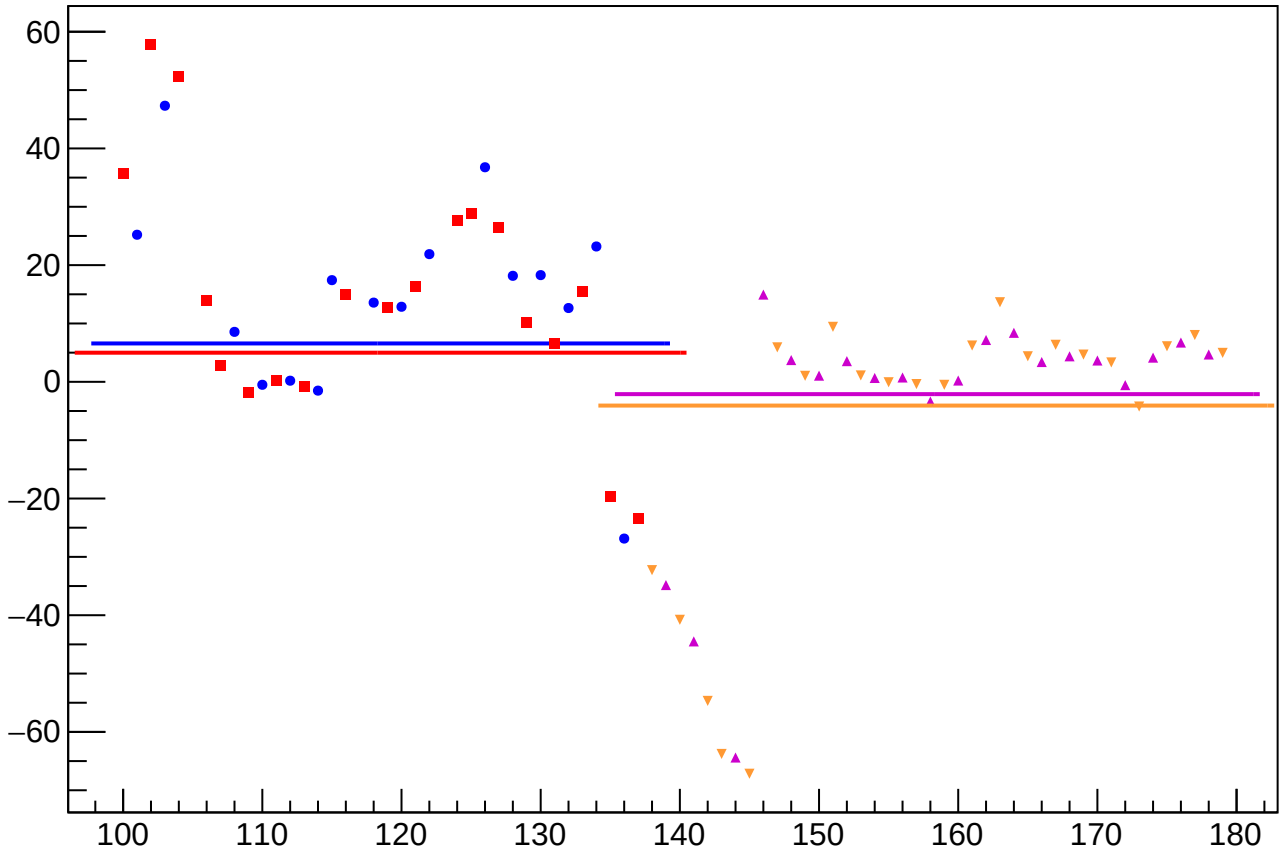
Right Out: 1.072+/-0.058 χ^2/NDF: 1551.4/18

Left In: 0.565+/-0.035 χ^2/NDF:6718.8/19

+ sign 0.717+/-0.032 χ^2/NDF: 9453.7/37

All: 0.706+/-0.022 χ^2/NDF: 17779.9/76

- sign 0.697+/-0.030 χ^2/NDF: 8326.0/38



Right In: 6.578+/-0.066 χ^2/NDF: 69731.5/15

Left Out: -4.070+/-0.048 χ^2/NDF:163333.8/21

Right Out: 4.992+/-0.060 χ^2/NDF: 74461.3/18

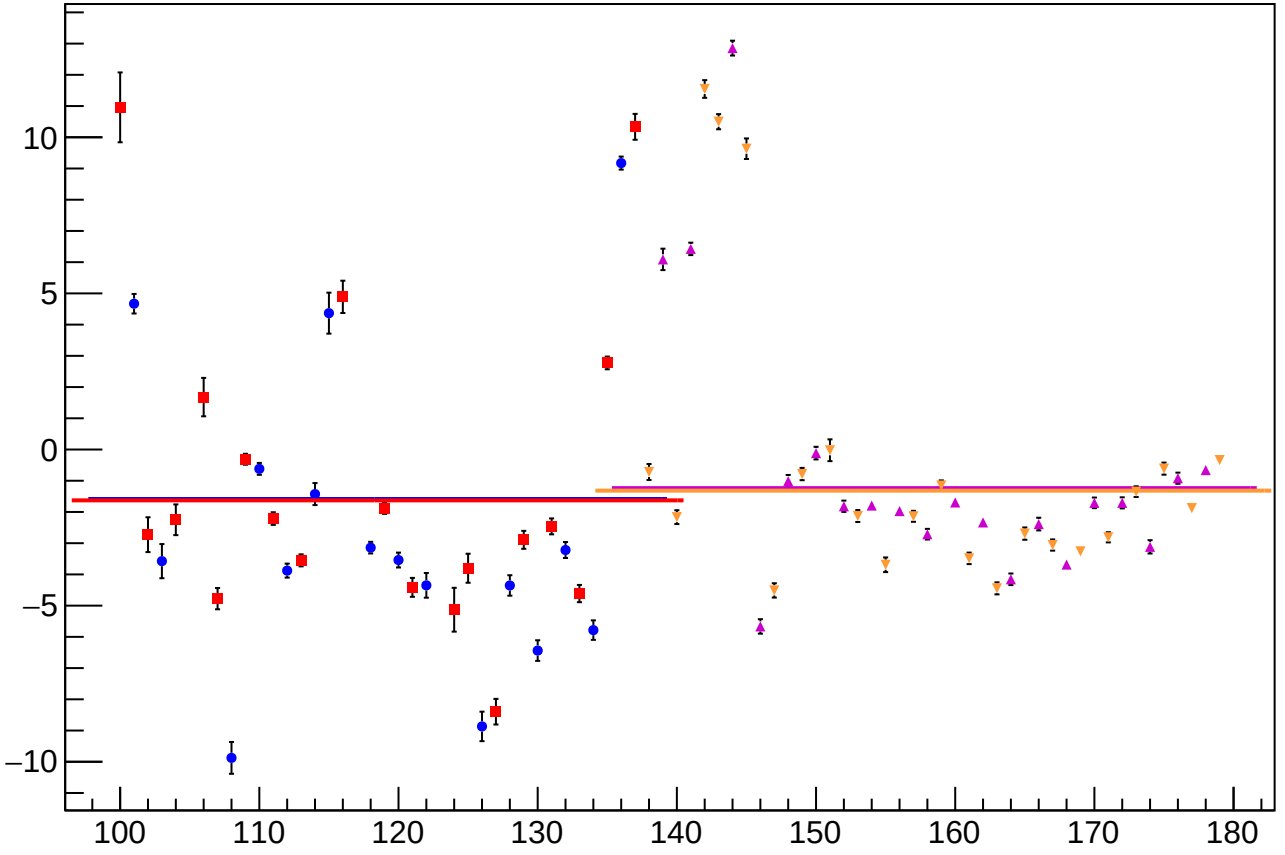
Left In: -2.110+/-0.045 χ^2/NDF:123490.9/19

+ sign -0.383+/-0.039 χ^2/NDF: 249878.4/37

All: 0.066+/-0.027 χ^2/NDF: 456906.3/76

- sign 0.453+/-0.036 χ^2/NDF: 206782.5/38

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug



Right In: -1.586+/-0.071 χ^2/NDF: 4472.6/15

Left Out: -1.317+/-0.041 χ^2/NDF:6784.9/21

Right Out: -1.628+/-0.066 χ^2/NDF: 2422.3/18

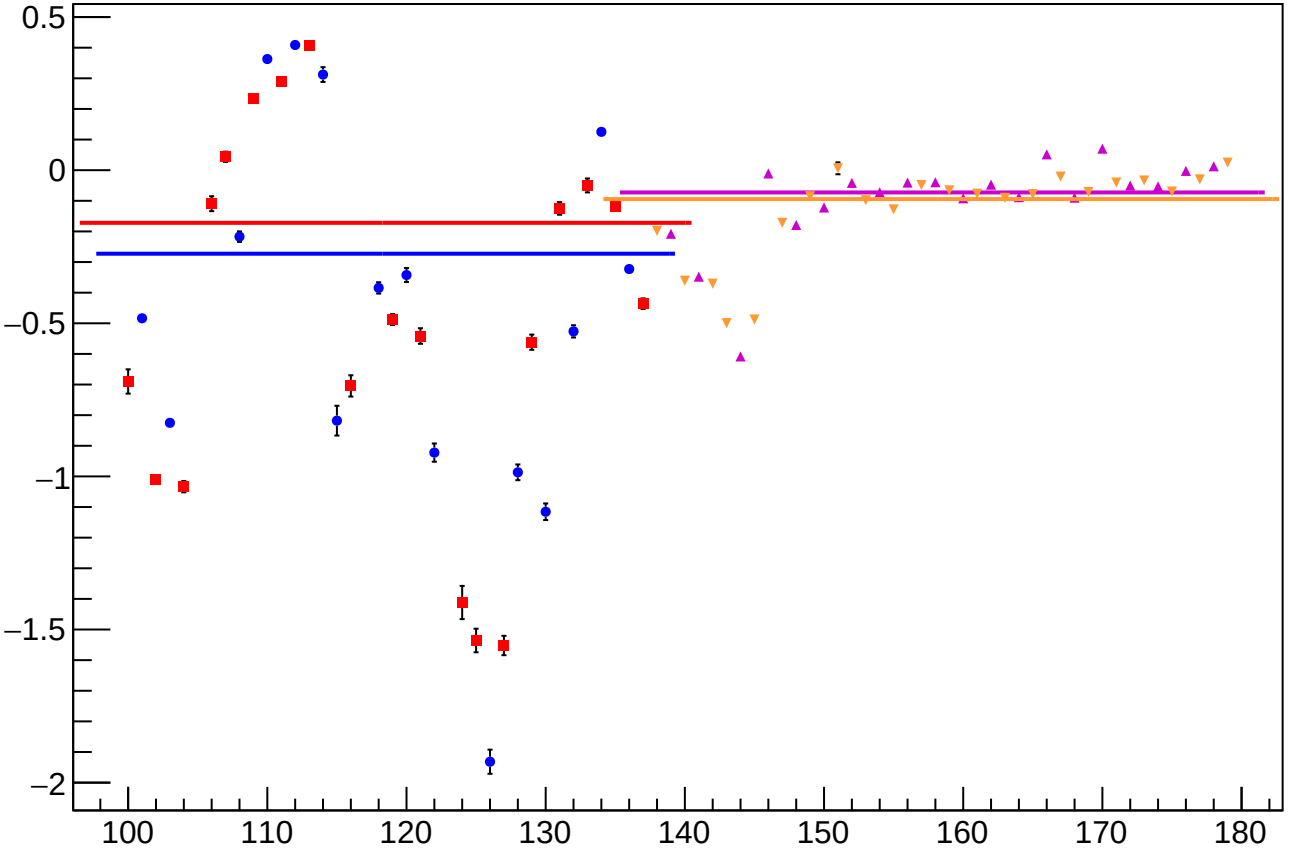
Left In: -1.237+/-0.039 χ^2/NDF:6665.4/19

+ sign -1.386+/-0.036 χ^2/NDF: 11268.3/37

All: -1.360+/-0.024 χ^2/NDF: 20383.1/76

- sign -1.338+/-0.033 χ^2/NDF: 9113.9/38

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs Slug



Right In: -0.273+/-0.004 χ^2/NDF: 11856.3/15

Left Out: -0.094+/-0.002 χ^2/NDF:3956.0/21

Right Out: -0.172+/-0.004 χ^2/NDF: 15322.3/18

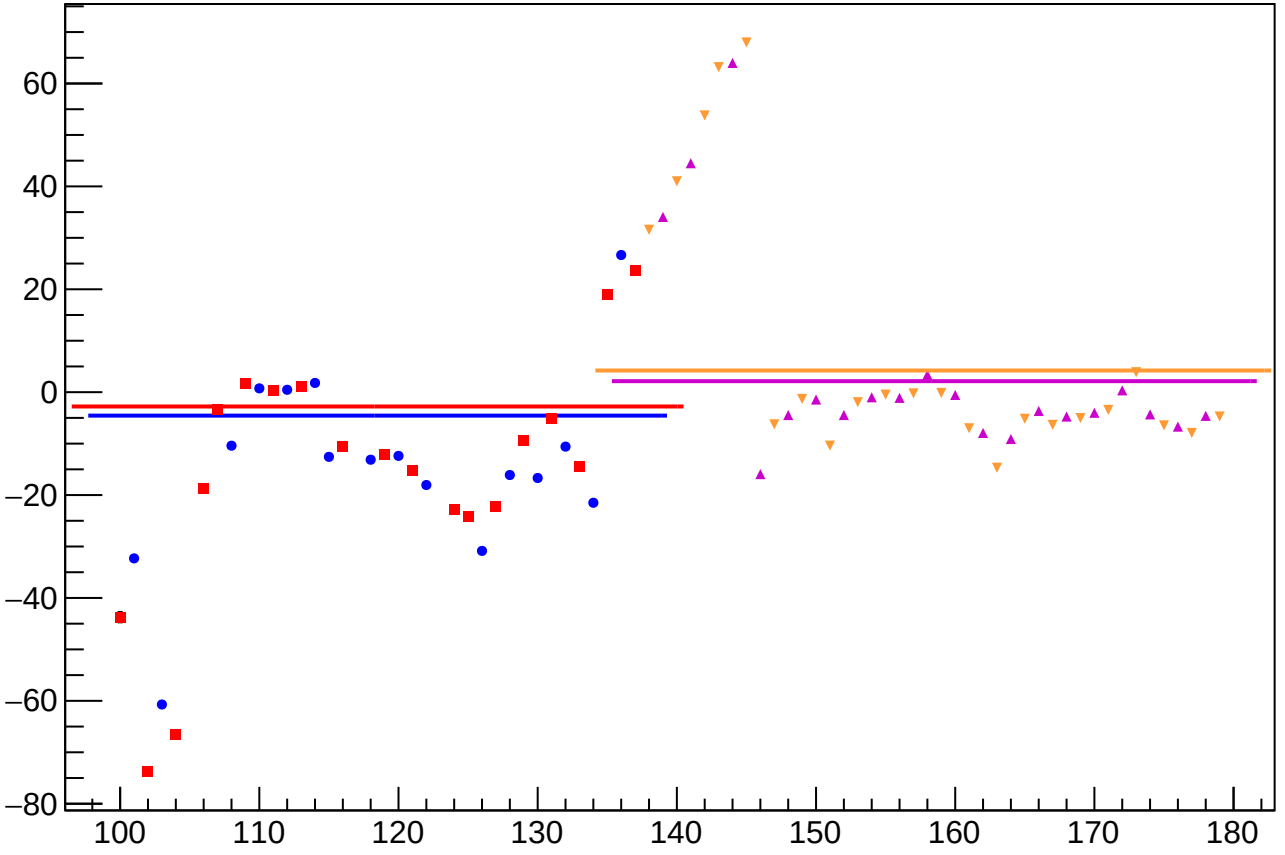
Left In: -0.073+/-0.002 χ^2/NDF:4030.4/19

+ sign -0.122+/-0.002 χ^2/NDF: 17318.0/37

All: -0.104+/-0.001 χ^2/NDF: 37456.1/76

- sign -0.088+/-0.002 χ^2/NDF: 19909.4/38

reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug



Right In: -4.557+/-0.057 χ^2/NDF: 72635.2/15

Left Out: 4.214+/-0.049 χ^2/NDF:166215.5/21

Right Out: -2.780+/-0.049 χ^2/NDF: 77905.3/18

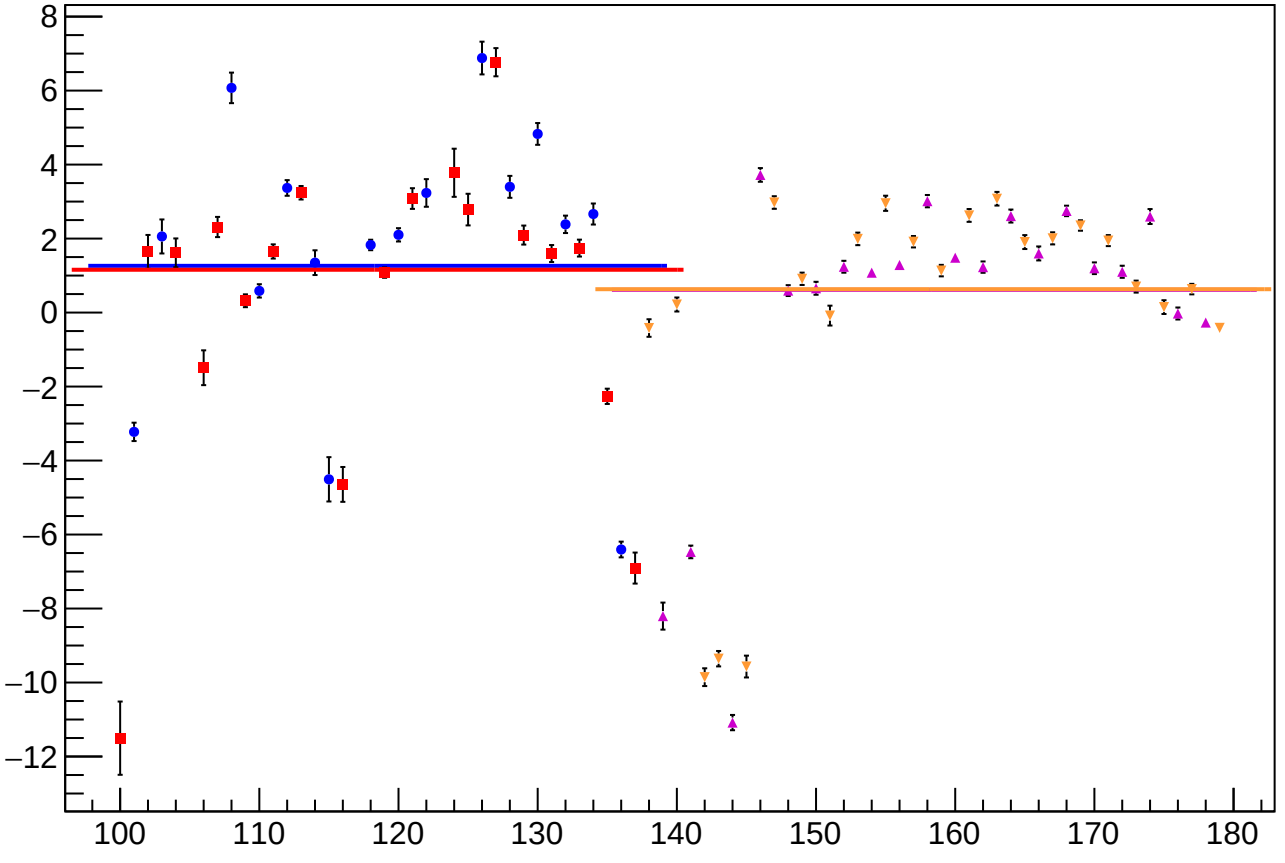
Left In: 2.141+/-0.047 χ^2/NDF:125134.6/19

+ sign 0.442+/-0.037 χ^2/NDF: 252442.4/37

All: 0.070+/-0.025 χ^2/NDF: 460987.4/76

- sign -0.234+/-0.034 χ^2/NDF: 208363.6/38

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug



Right In: 1.263+/-0.062 χ^2/NDF: 2443.8/15

Left Out: 0.632+/-0.037 χ^2/NDF:6606.8/21

Right Out: 1.157+/-0.059 χ^2/NDF: 1490.5/18

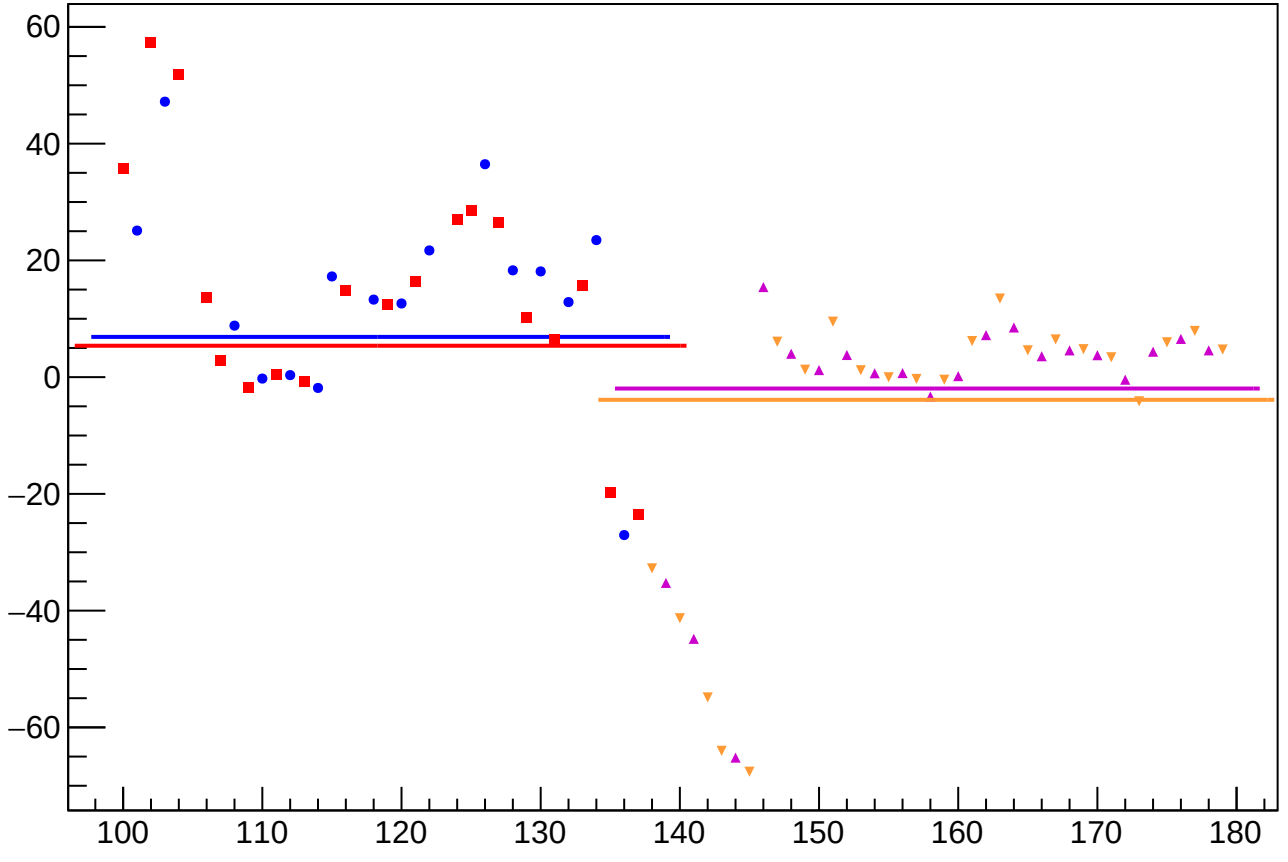
Left In: 0.615+/-0.035 χ^2/NDF:6676.4/19

+ sign 0.799+/-0.032 χ^2/NDF: 9126.7/37

All: 0.776+/-0.022 χ^2/NDF: 17356.9/76

- sign 0.756+/-0.030 χ^2/NDF: 8229.3/38

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug



Right In: 6.895+/-0.067 χ^2/NDF: 68047.4/15

Left Out: -3.880+/-0.049 χ^2/NDF:160743.5/21

Right Out: 5.381+/-0.062 χ^2/NDF: 72230.2/18

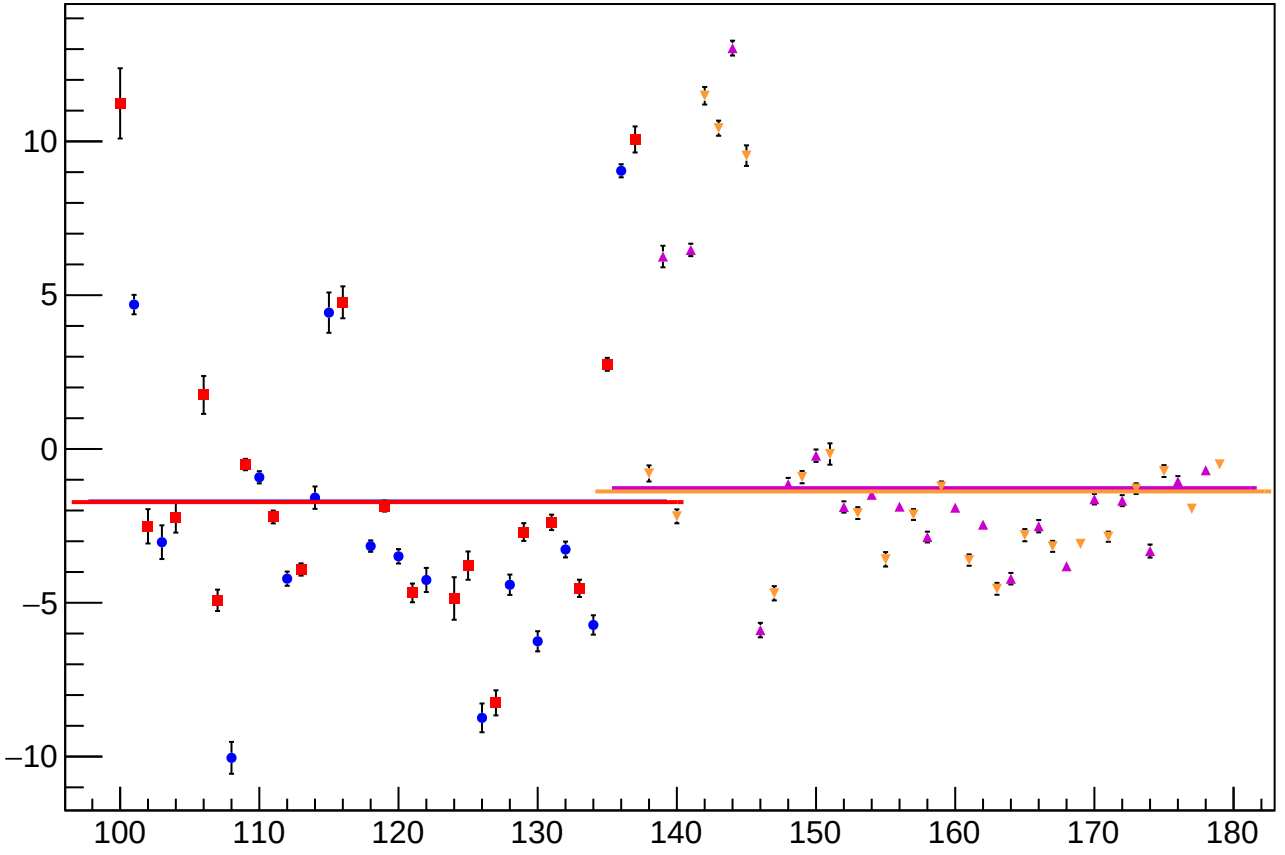
Left In: -1.950+/-0.046 χ^2/NDF:122101.6/19

+ sign -0.191+/-0.039 χ^2/NDF: 245616.2/37

All: 0.260+/-0.027 χ^2/NDF: 449302.5/76

- sign 0.652+/-0.037 χ^2/NDF: 203441.5/38

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug



Right In: -1.708+/-0.072 χ^2/NDF: 4289.8/15

Left Out: -1.380+/-0.042 χ^2/NDF:6574.6/21

Right Out: -1.727+/-0.067 χ^2/NDF: 2309.6/18

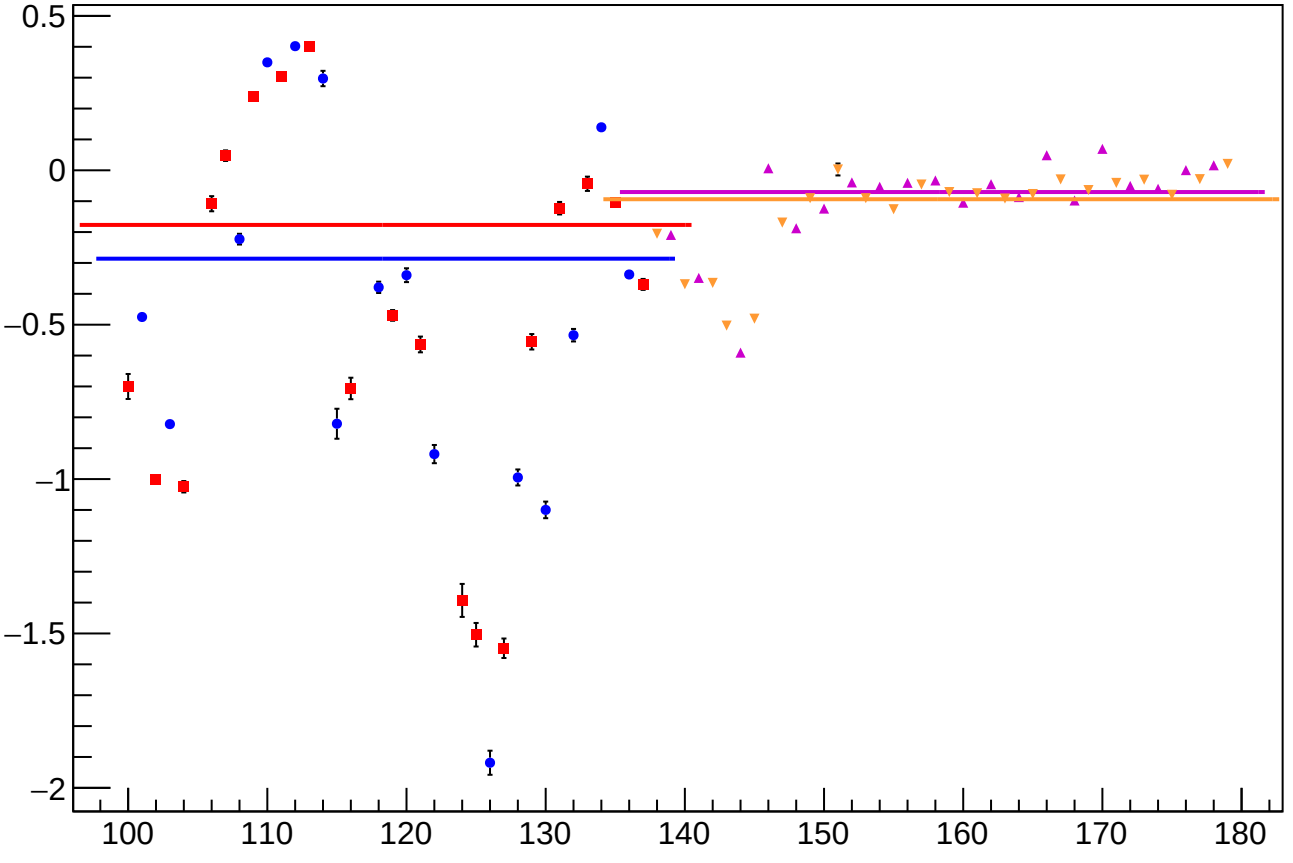
Left In: -1.273+/-0.039 χ^2/NDF:6664.2/19

+ sign -1.463+/-0.036 χ^2/NDF: 10880.0/37

All: -1.424+/-0.025 χ^2/NDF: 19890.4/76

- sign -1.389+/-0.034 χ^2/NDF: 9008.2/38

reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug



Right In: -0.286+/-0.004 χ^2/NDF: 11361.1/15

Left Out: -0.094+/-0.002 χ^2/NDF:3866.3/21

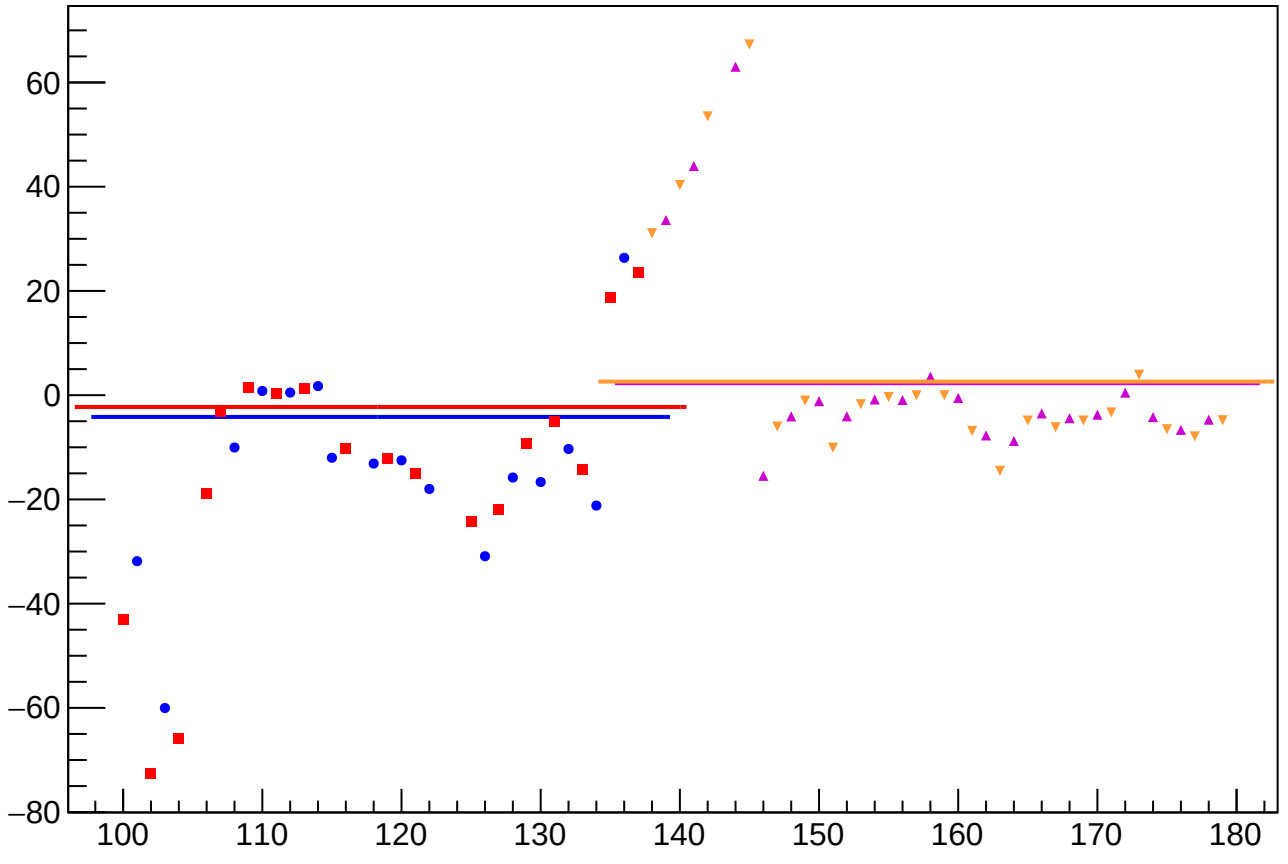
Right Out: -0.177+/-0.004 χ^2/NDF: 14767.8/18

Left In: -0.070+/-0.002 χ^2/NDF:3913.6/19

+ sign -0.123+/-0.002 χ^2/NDF: 16939.5/37

All: -0.103+/-0.001 χ^2/NDF: 36498.5/76

- sign -0.087+/-0.002 χ^2/NDF: 19298.1/38



Right In: -4.173+/-0.054 χ^2/NDF: 75394.5/15

Left Out: 2.606+/-0.049 χ^2/NDF:127695.6/20

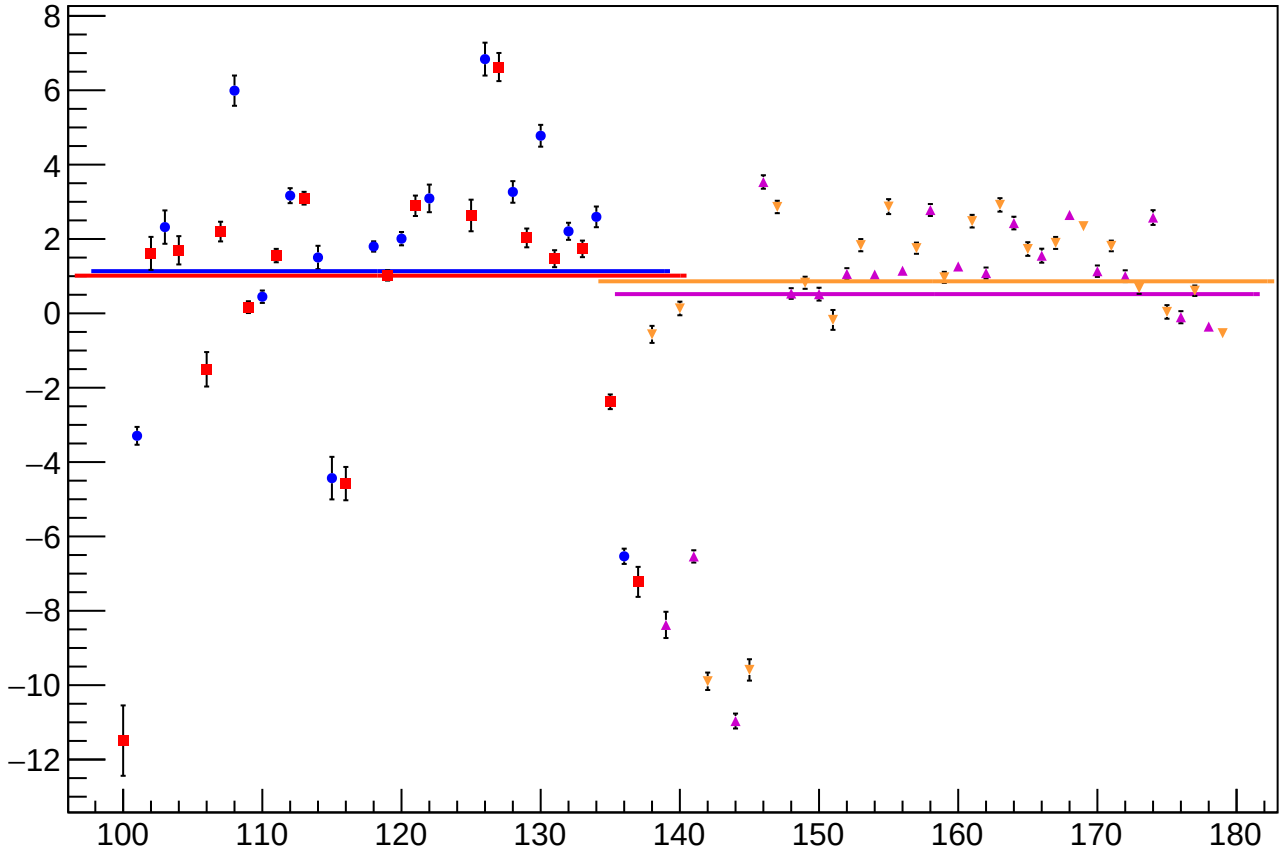
Right Out: -2.261+/-0.046 χ^2/NDF: 79624.4/17

Left In: 2.299+/-0.045 χ^2/NDF:128742.9/19

+ sign -0.415+/-0.036 χ^2/NDF: 211683.5/36

All: -0.157+/-0.024 χ^2/NDF: 425107.8/74

- sign 0.047+/-0.032 χ^2/NDF: 213334.1/37



Right In: 1.135+/-0.060 χ^2/NDF: 2595.7/15

Left Out: 0.862+/-0.037 χ^2/NDF:4395.0/20

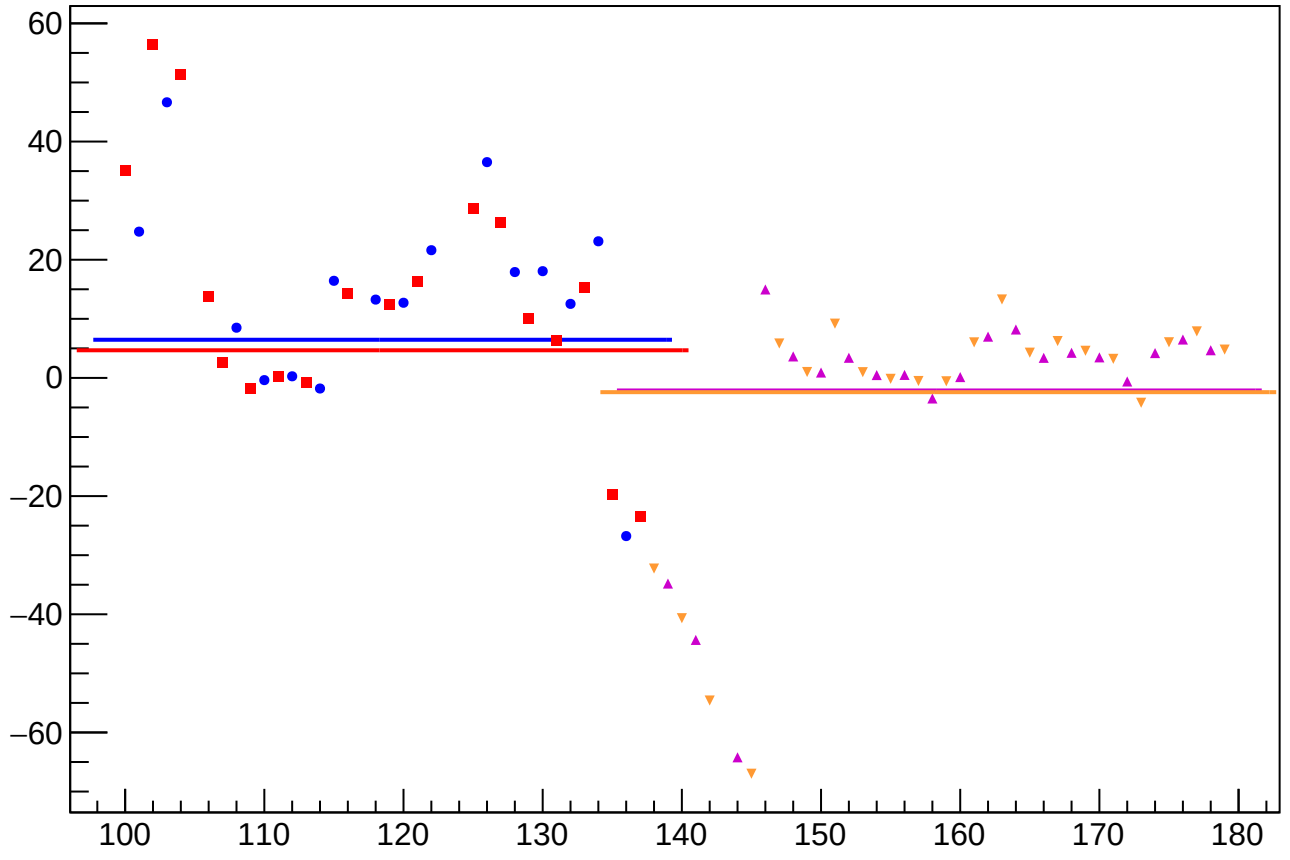
Right Out: 1.014+/-0.057 χ^2/NDF: 1593.0/17

Left In: 0.517+/-0.034 χ^2/NDF:6909.6/19

+ sign 0.937+/-0.032 χ^2/NDF: 7005.6/36

All: 0.780+/-0.021 χ^2/NDF: 15609.7/74

- sign 0.646+/-0.029 χ^2/NDF: 8558.4/37



Right In: 6.458+/-0.065 χ^2/NDF: 70792.7/15

Left Out: -2.411+/-0.048 χ^2/NDF:123002.5/20

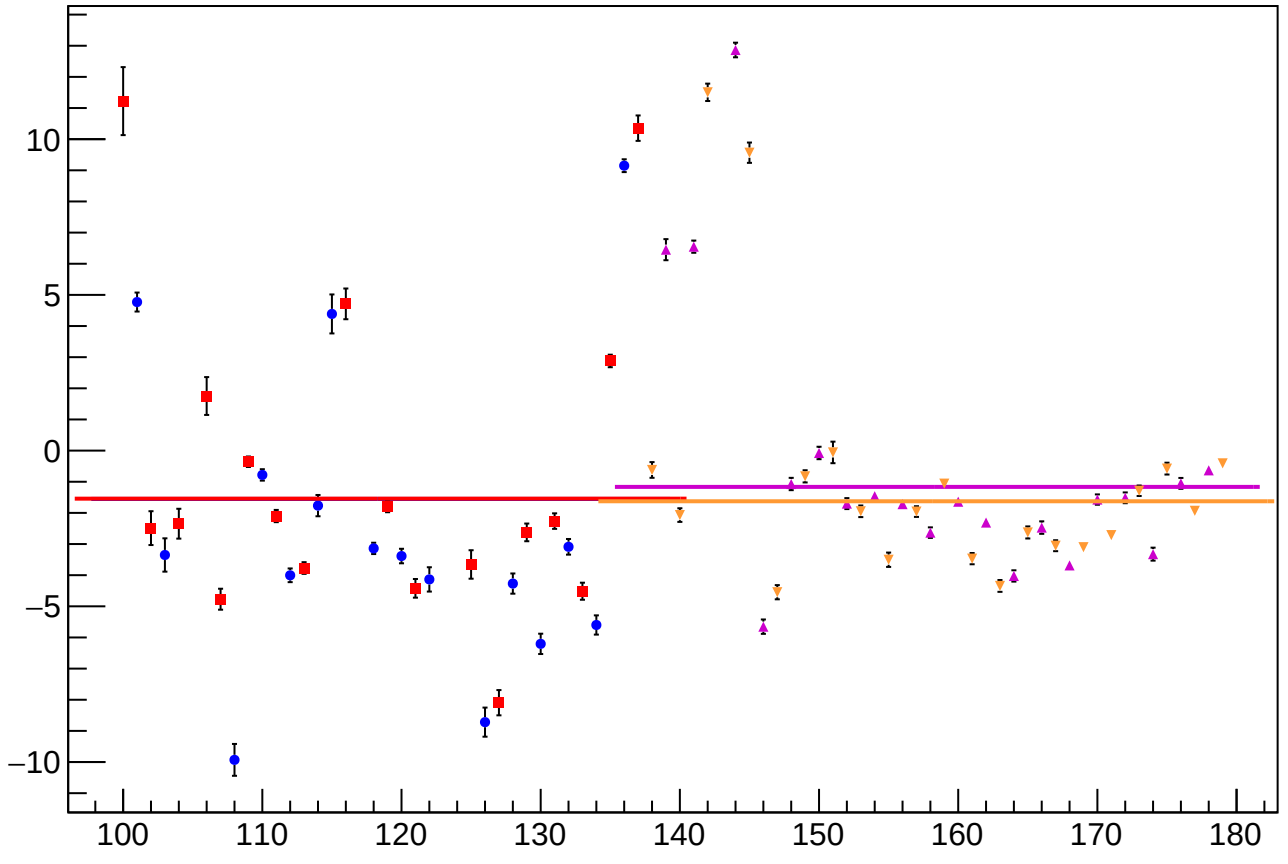
Right Out: 4.677+/-0.059 χ^2/NDF: 74414.5/17

Left In: -2.124+/-0.044 χ^2/NDF:125704.9/19

+ sign 0.724+/-0.039 χ^2/NDF: 205846.5/36

All: 0.509+/-0.026 χ^2/NDF: 414496.2/74

- sign 0.327+/-0.035 χ^2/NDF: 208592.5/37



Right In: -1.552+/-0.069 χ^2/NDF: 4543.6/15

Left Out: -1.627+/-0.041 χ^2/NDF:4350.5/20

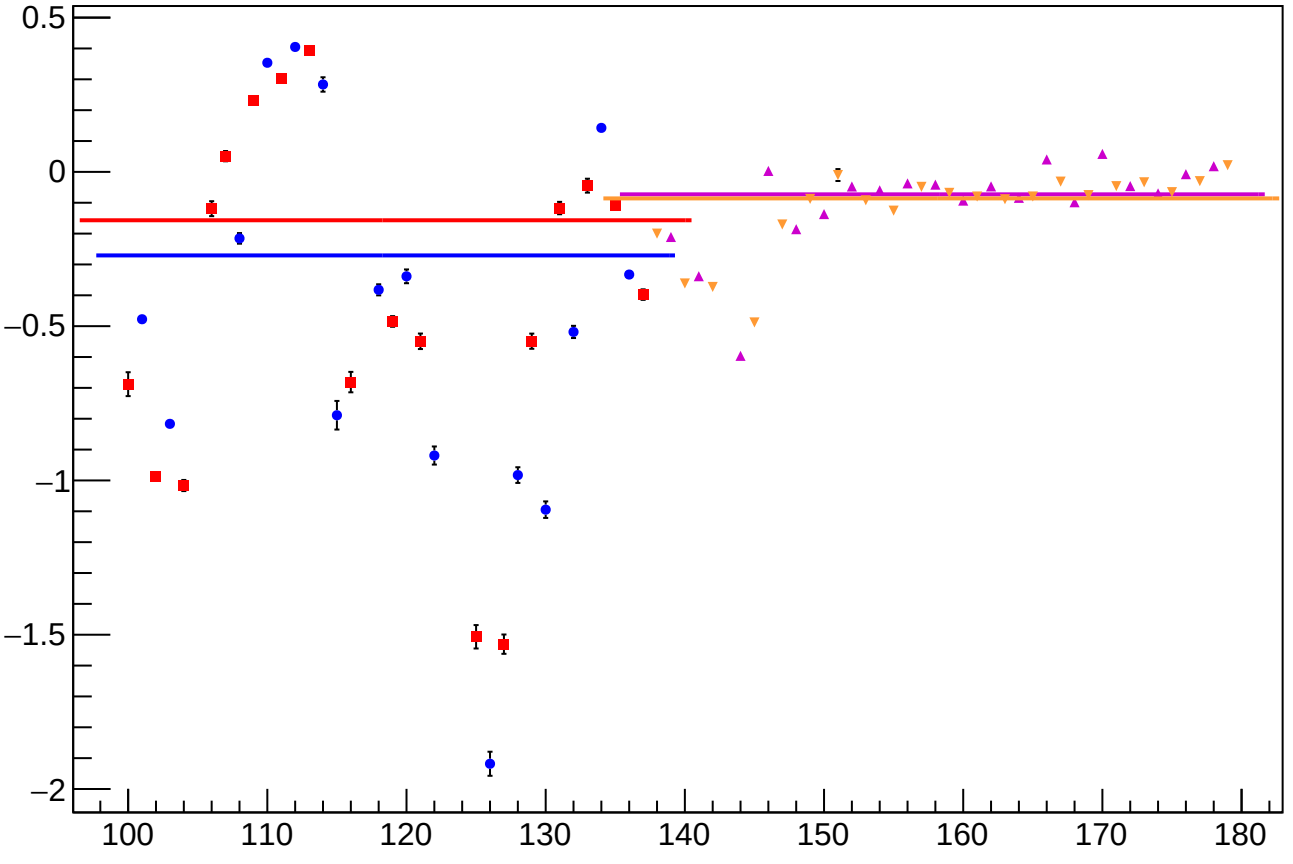
Right Out: -1.543+/-0.065 χ^2/NDF: 2473.0/17

Left In: -1.165+/-0.038 χ^2/NDF:6876.7/19

+ sign -1.607+/-0.035 χ^2/NDF: 8894.9/36

All: -1.421+/-0.024 χ^2/NDF: 18321.5/74

- sign -1.262+/-0.033 χ^2/NDF: 9375.2/37



Right In: -0.271+/-0.004 χ^2/NDF: 12096.1/15

Left Out: -0.086+/-0.002 χ^2/NDF:2815.8/20

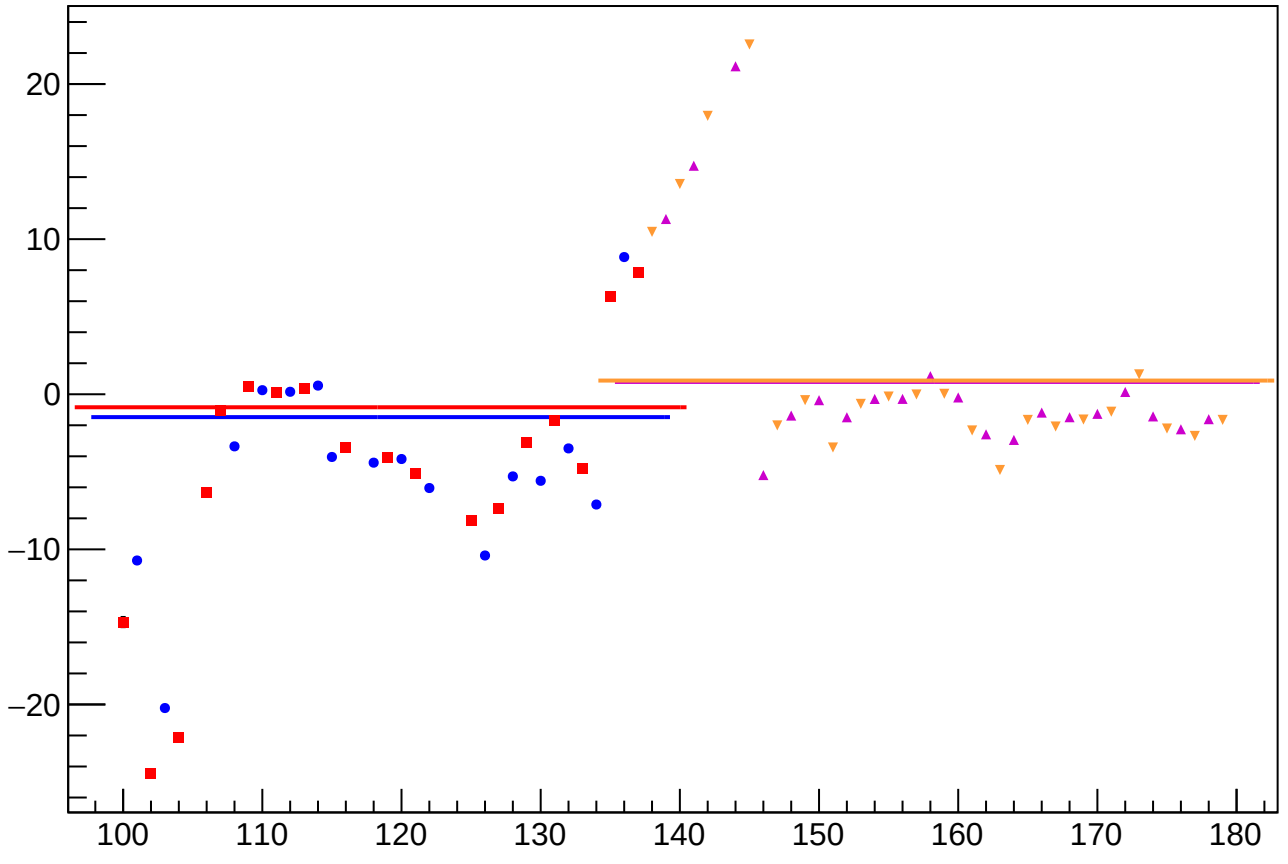
Right Out: -0.157+/-0.004 χ^2/NDF: 15019.0/17

Left In: -0.073+/-0.002 χ^2/NDF:3993.7/19

+ sign -0.115+/-0.002 χ^2/NDF: 16586.7/36

All: -0.099+/-0.001 χ^2/NDF: 36192.6/74

- sign -0.086+/-0.001 χ^2/NDF: 19428.1/37



Right In: -1.474+/-0.019 χ^2/NDF: 73722.2/15

Left Out: 0.883+/-0.017 χ^2/NDF:125548.8/20

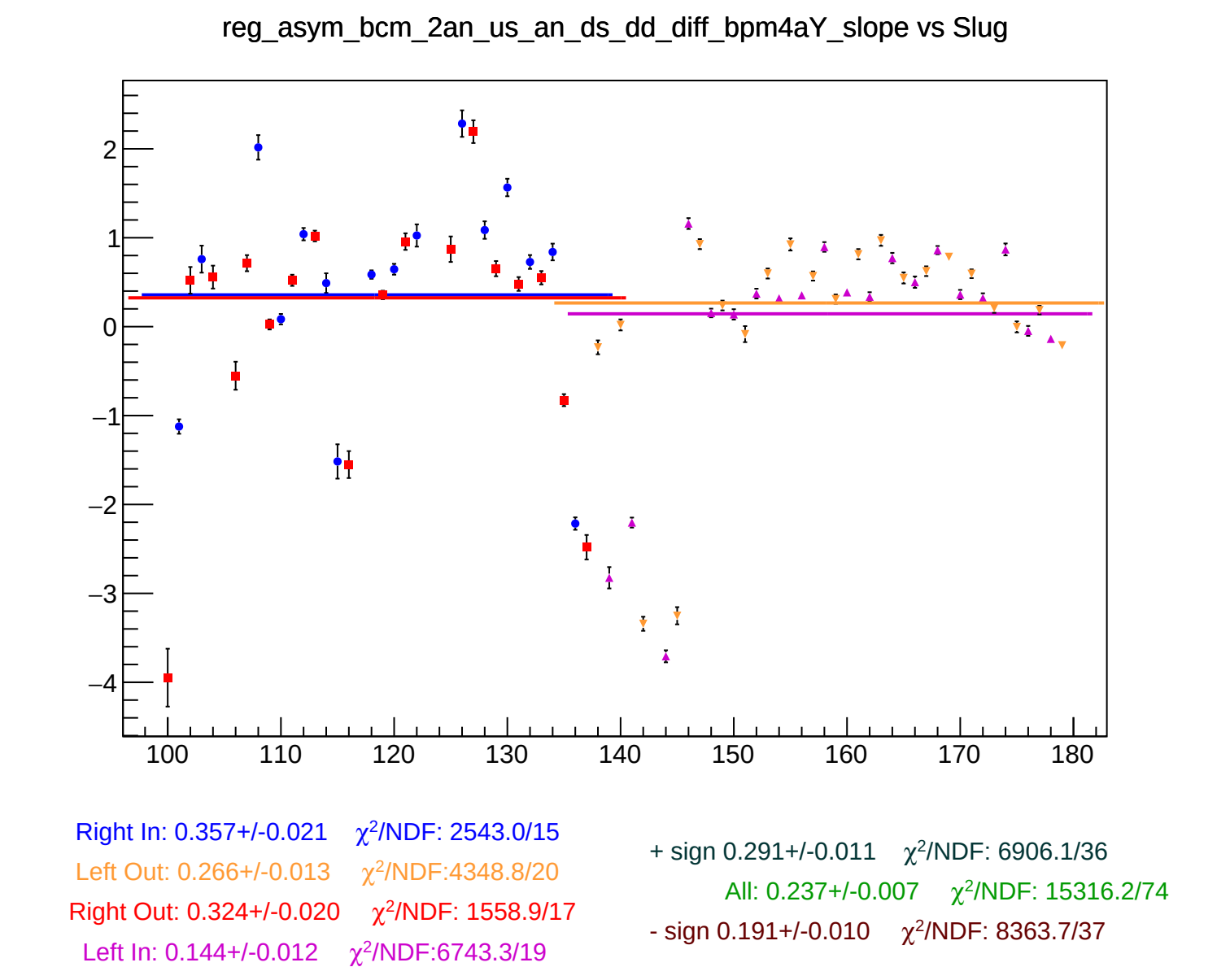
Right Out: -0.838+/-0.016 χ^2/NDF: 78013.1/17

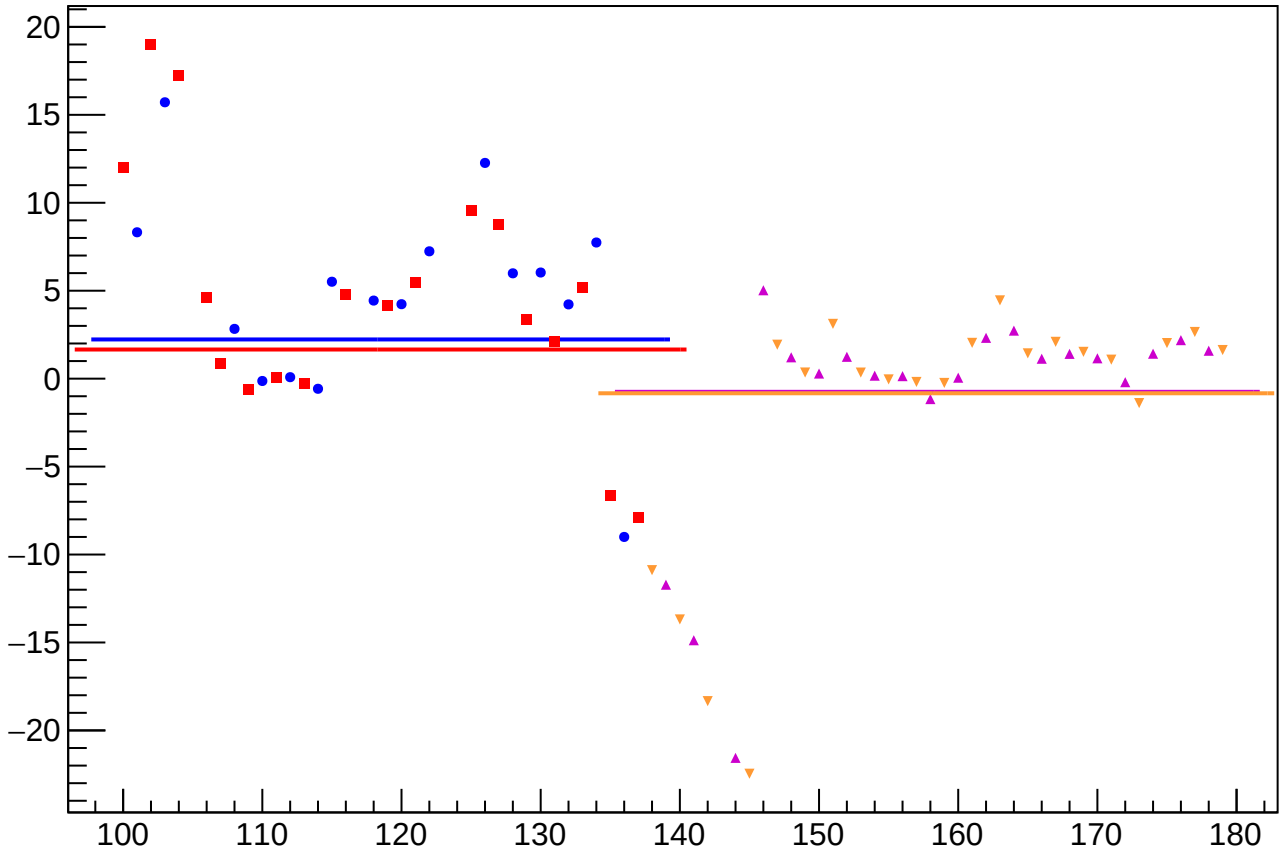
Left In: 0.794+/-0.016 χ^2/NDF:126169.6/19

+ sign -0.158+/-0.012 χ^2/NDF: 208105.1/36

All: -0.070+/-0.008 χ^2/NDF: 417704.8/74

- sign 0.000+/-0.011 χ^2/NDF: 209510.7/37


reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4aY_slope vs Slug
2
1
0
−1
−2
−3
−4
100
110
120
130
140
150
160
170
180
Right In: 0.357+/-0.021 χ²/NDF: 2543.0/15
Left Out: 0.266+/-0.013 χ²/NDF:4348.8/20
Right Out: 0.324+/-0.020 χ²/NDF: 1558.9/17
Left In: 0.144+/-0.012 χ²/NDF:6743.3/19
+ sign 0.291+/-0.011 χ²/NDF: 6906.1/36
All: 0.237+/-0.007 χ²/NDF: 15316.2/74
- sign 0.191+/-0.010 χ²/NDF: 8363.7/37



Right In: 2.229+/-0.022 χ^2/NDF: 69187.1/15

Left Out: -0.831+/-0.016 χ^2/NDF:120928.8/20

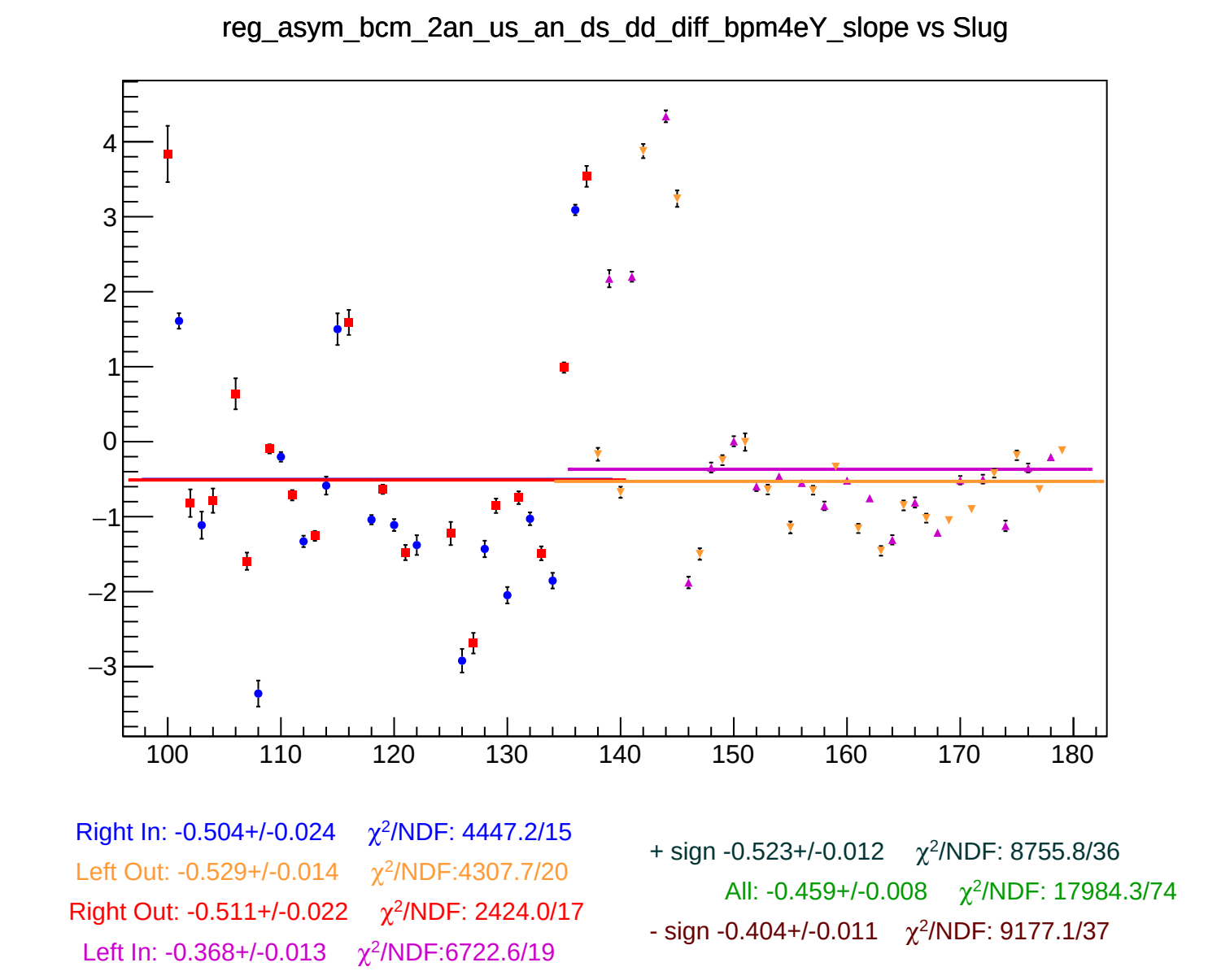
Right Out: 1.657+/-0.020 χ^2/NDF: 72797.4/17

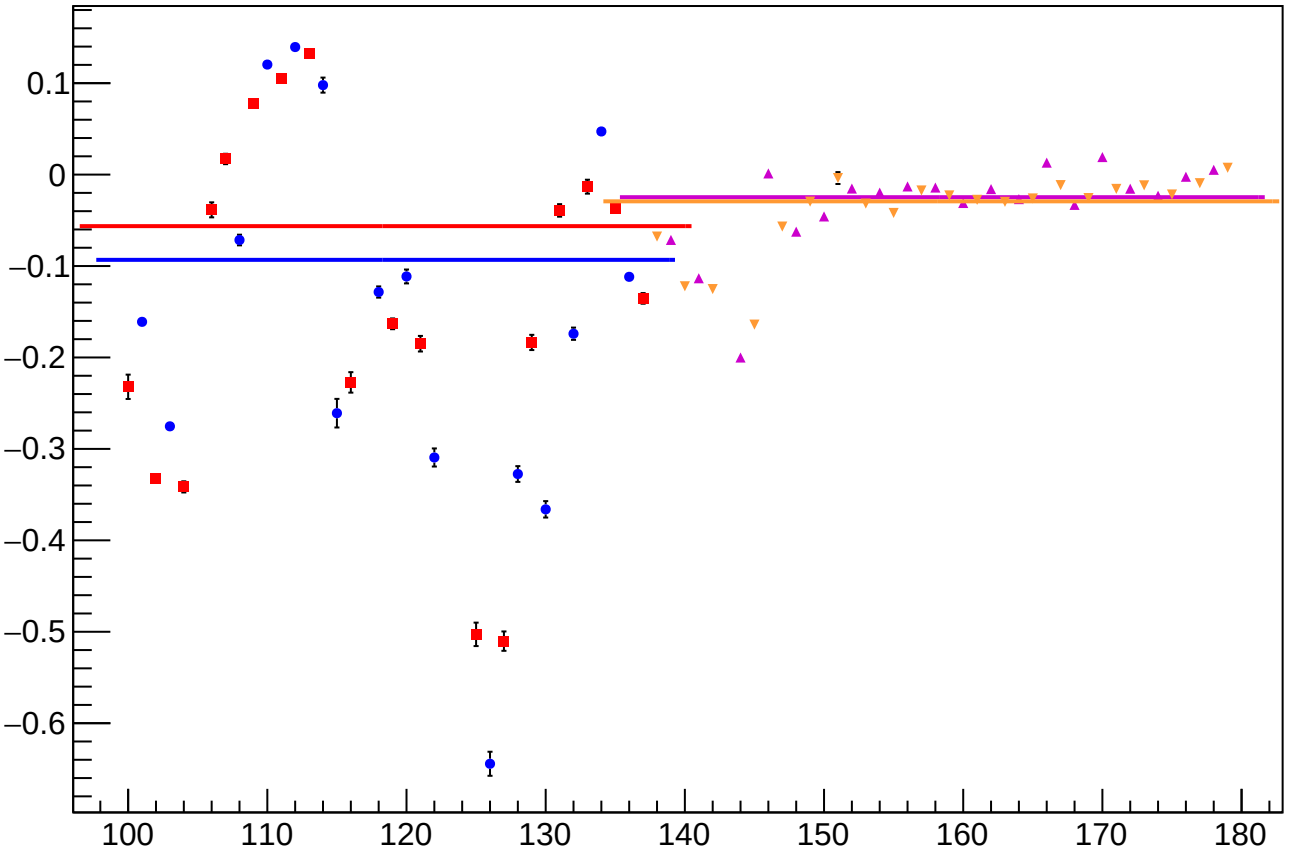
Left In: -0.749+/-0.015 χ^2/NDF:123239.5/19

+ sign 0.245+/-0.013 χ^2/NDF: 202374.2/36

All: 0.172+/-0.009 χ^2/NDF: 407368.9/74

- sign 0.110+/-0.012 χ^2/NDF: 204938.0/37


reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eY_slope vs Slug
4
3
2
1
0
−1
−2
−3
100
110
120
130
140
150
160
170
180
Right In: -0.504+/-0.024 χ²/NDF: 4447.2/15
Left Out: -0.529+/-0.014 χ²/NDF:4307.7/20
Right Out: -0.511+/-0.022 χ²/NDF: 2424.0/17
Left In: -0.368+/-0.013 χ²/NDF:6722.6/19
+ sign -0.523+/-0.012 χ²/NDF: 8755.8/36
All: -0.459+/-0.008 χ²/NDF: 17984.3/74
- sign -0.404+/-0.011 χ²/NDF: 9177.1/37



Right In: -0.093+/-0.001 χ^2/NDF: 11742.4/15

Left Out: -0.029+/-0.001 χ^2/NDF:2774.2/20

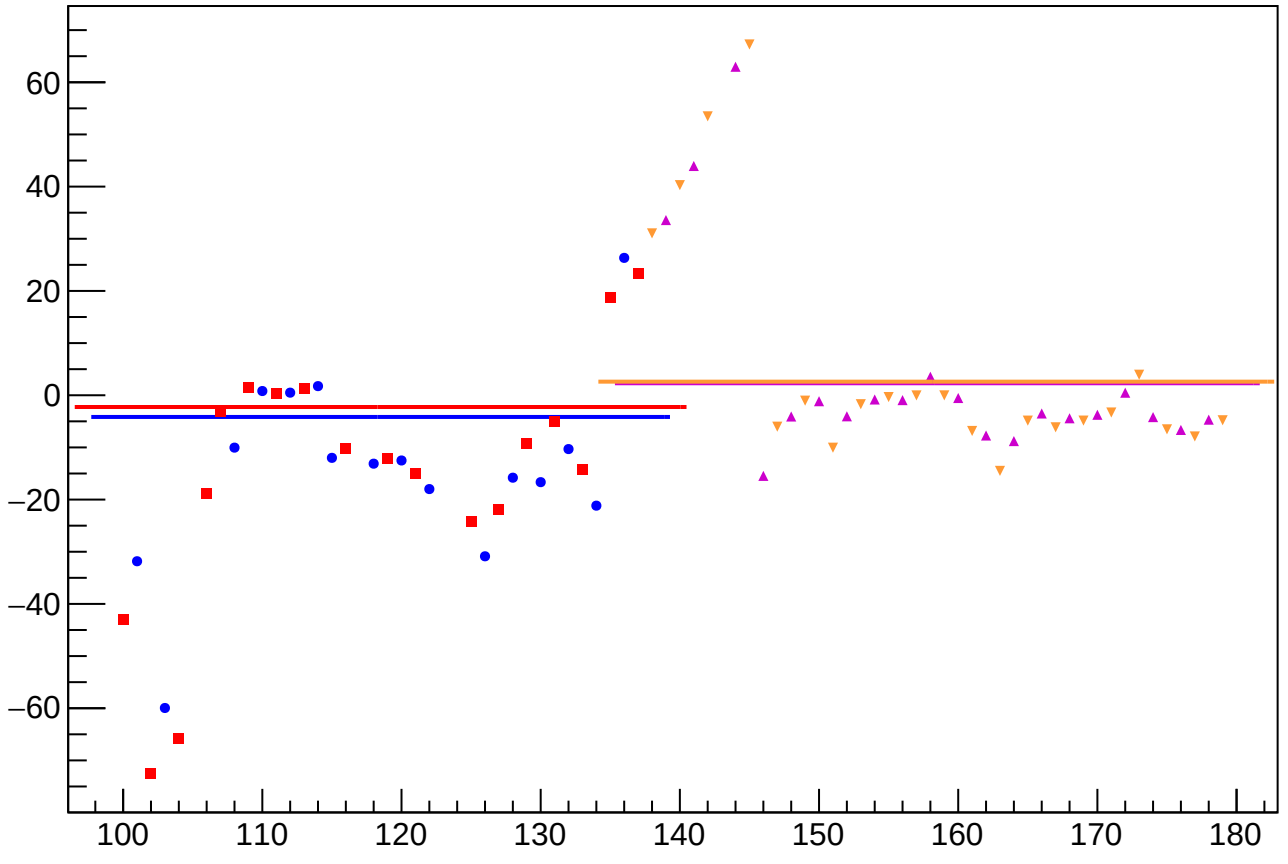
Right Out: -0.056+/-0.001 χ^2/NDF: 14457.4/17

Left In: -0.025+/-0.001 χ^2/NDF:3892.0/19

+ sign -0.039+/-0.001 χ^2/NDF: 16239.7/36

All: -0.034+/-0.000 χ^2/NDF: 35254.0/74

- sign -0.030+/-0.001 χ^2/NDF: 18847.0/37



Right In: -4.159+/-0.054 χ^2/NDF: 75420.4/15

Left Out: 2.608+/-0.049 χ^2/NDF:127675.4/20

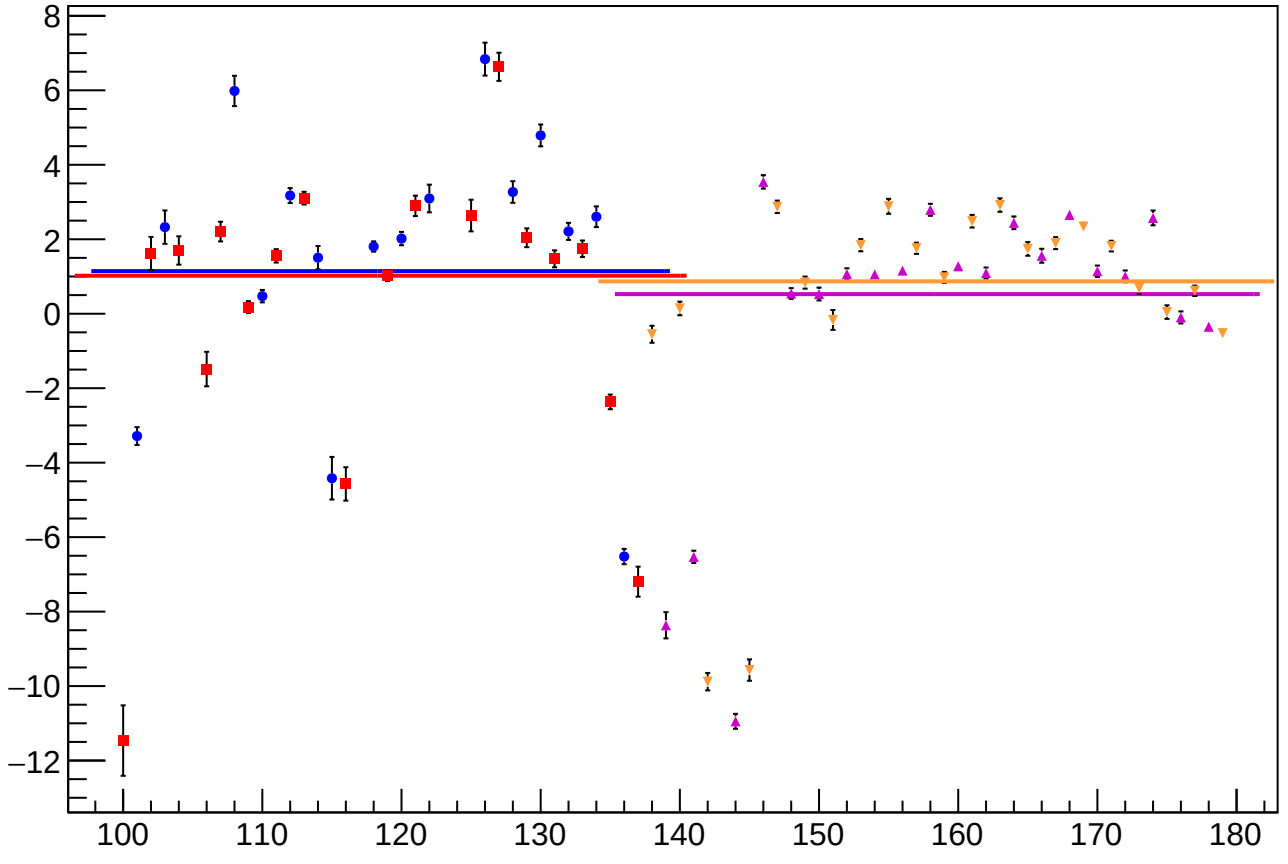
Right Out: -2.251+/-0.046 χ^2/NDF: 79637.5/17

Left In: 2.300+/-0.045 χ^2/NDF:128753.3/19

+ sign -0.409+/-0.036 χ^2/NDF: 211678.9/36

All: -0.152+/-0.024 χ^2/NDF: 425119.4/74

- sign 0.051+/-0.032 χ^2/NDF: 213350.9/37



Right In: 1.144+/-0.060 χ^2/NDF: 2595.3/15

Left Out: 0.869+/-0.037 χ^2/NDF:4392.1/20

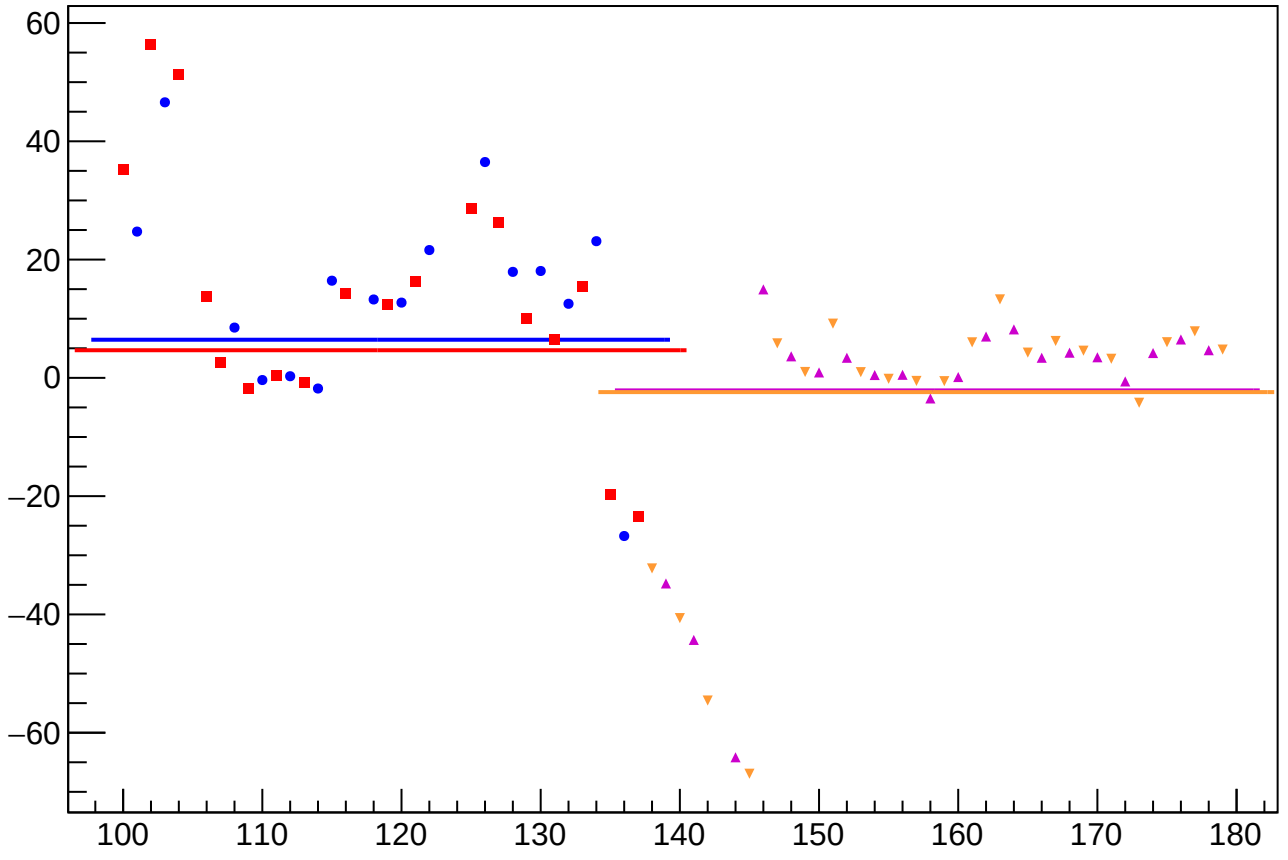
Right Out: 1.021+/-0.057 χ^2/NDF: 1591.2/17

Left In: 0.527+/-0.034 χ^2/NDF:6914.3/19

+ sign 0.945+/-0.031 χ^2/NDF: 7002.5/36

All: 0.789+/-0.021 χ^2/NDF: 15609.0/74

- sign 0.655+/-0.029 χ^2/NDF: 8560.8/37



Right In: 6.448+/-0.065 χ^2/NDF: 70815.1/15

Left Out: -2.408+/-0.048 χ^2/NDF:122983.2/20

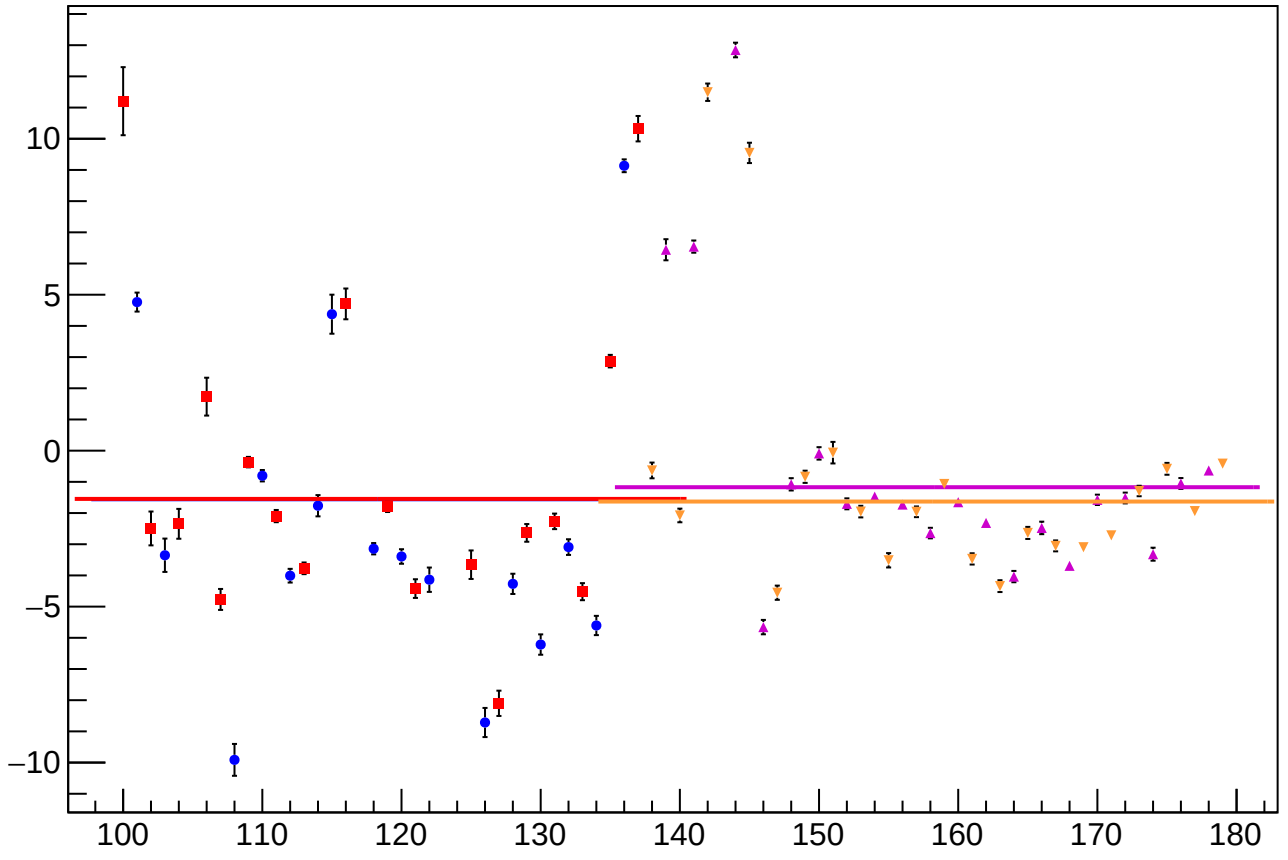
Right Out: 4.671+/-0.059 χ^2/NDF: 74420.3/17

Left In: -2.120+/-0.044 χ^2/NDF:125711.8/19

+ sign 0.723+/-0.039 χ^2/NDF: 205838.6/36

All: 0.510+/-0.026 χ^2/NDF: 414494.0/74

- sign 0.329+/-0.035 χ^2/NDF: 208598.7/37



Right In: -1.558+/-0.069 χ^2/NDF: 4543.1/15

Left Out: -1.631+/-0.041 χ^2/NDF:4347.3/20

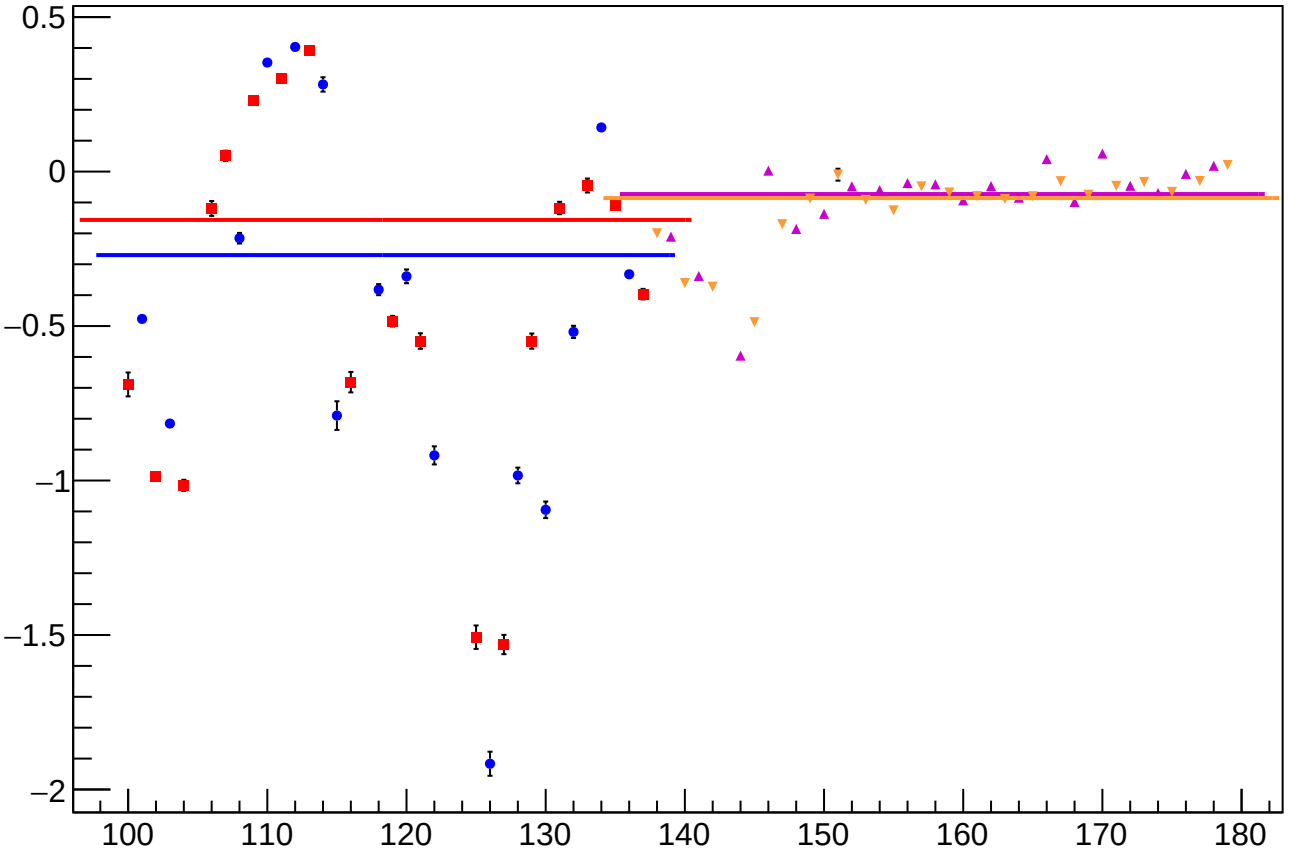
Right Out: -1.547+/-0.064 χ^2/NDF: 2470.1/17

Left In: -1.172+/-0.038 χ^2/NDF:6880.4/19

+ sign -1.612+/-0.035 χ^2/NDF: 8891.2/36

All: -1.426+/-0.024 χ^2/NDF: 18318.0/74

- sign -1.268+/-0.033 χ^2/NDF: 9375.6/37



Right In: -0.270+/-0.004 χ^2/NDF: 12096.8/15

Left Out: -0.086+/-0.002 χ^2/NDF:2814.8/20

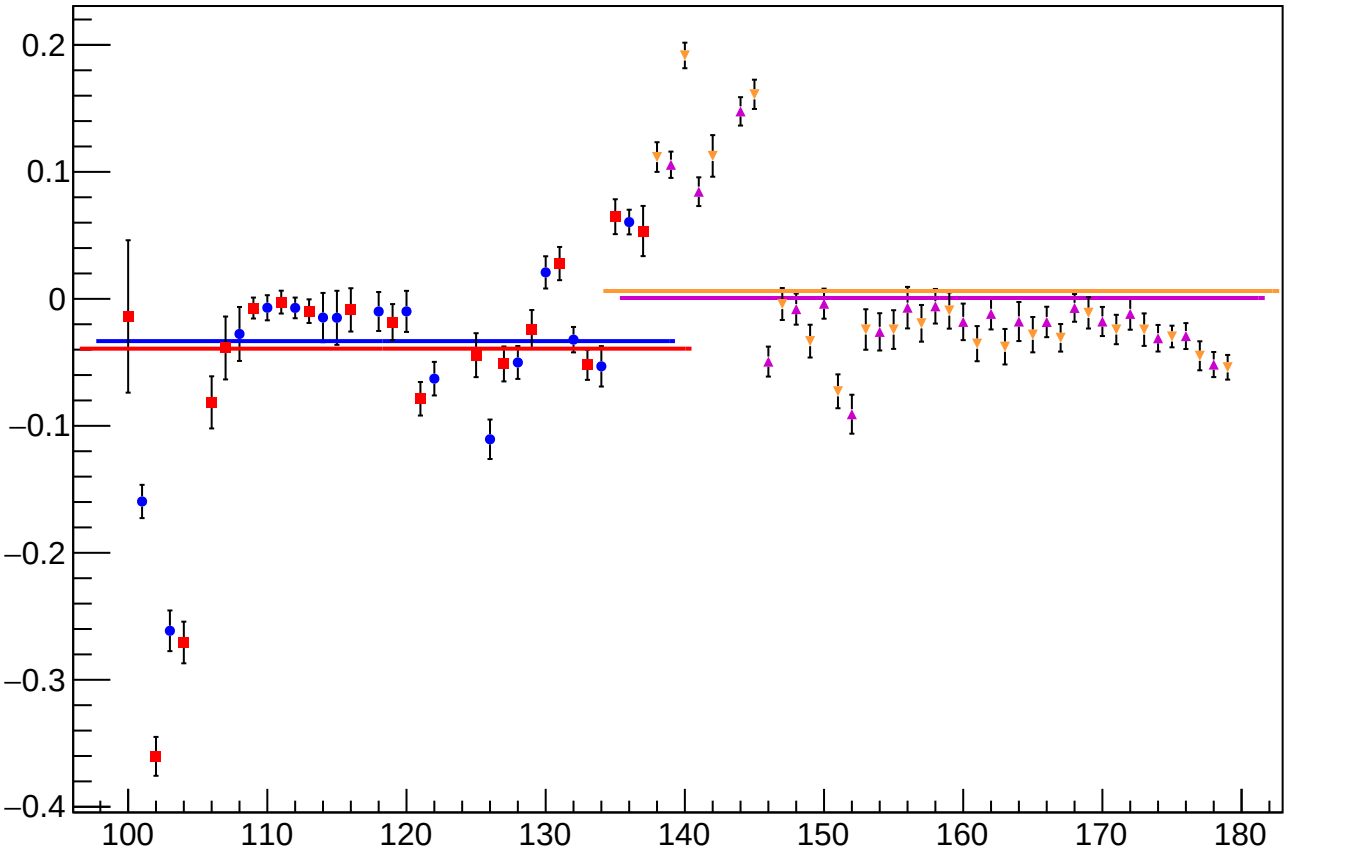
Right Out: -0.156+/-0.004 χ^2/NDF: 15030.0/17

Left In: -0.073+/-0.002 χ^2/NDF:3996.9/19

+ sign -0.115+/-0.002 χ^2/NDF: 16586.4/36

All: -0.099+/-0.001 χ^2/NDF: 36203.7/74

- sign -0.086+/-0.001 χ^2/NDF: 19440.2/37



Right In: -0.033+/-0.003 χ^2/NDF: 463.5/15

Left Out: 0.006+/-0.003 χ^2/NDF:827.5/20

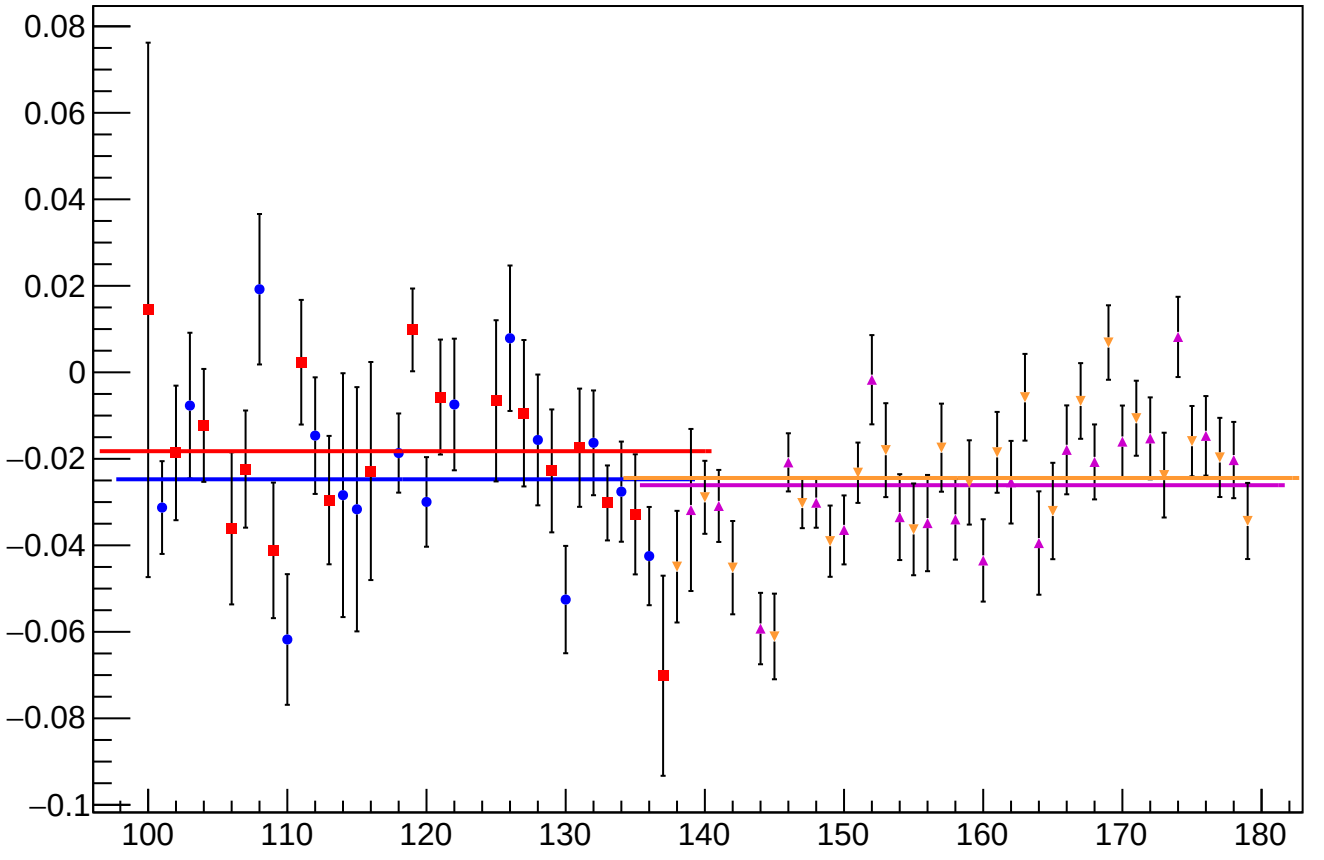
Right Out: -0.039+/-0.003 χ^2/NDF: 807.6/17

Left In: 0.001+/-0.003 χ^2/NDF:445.0/19

+ sign -0.010+/-0.002 χ^2/NDF: 1380.1/36

All: -0.013+/-0.001 χ^2/NDF: 2728.6/74

- sign -0.016+/-0.002 χ^2/NDF: 1344.2/37



Right In: -0.025+/-0.003 χ^2/NDF: 28.5/15

Left Out: -0.024+/-0.002 χ^2/NDF:53.3/20

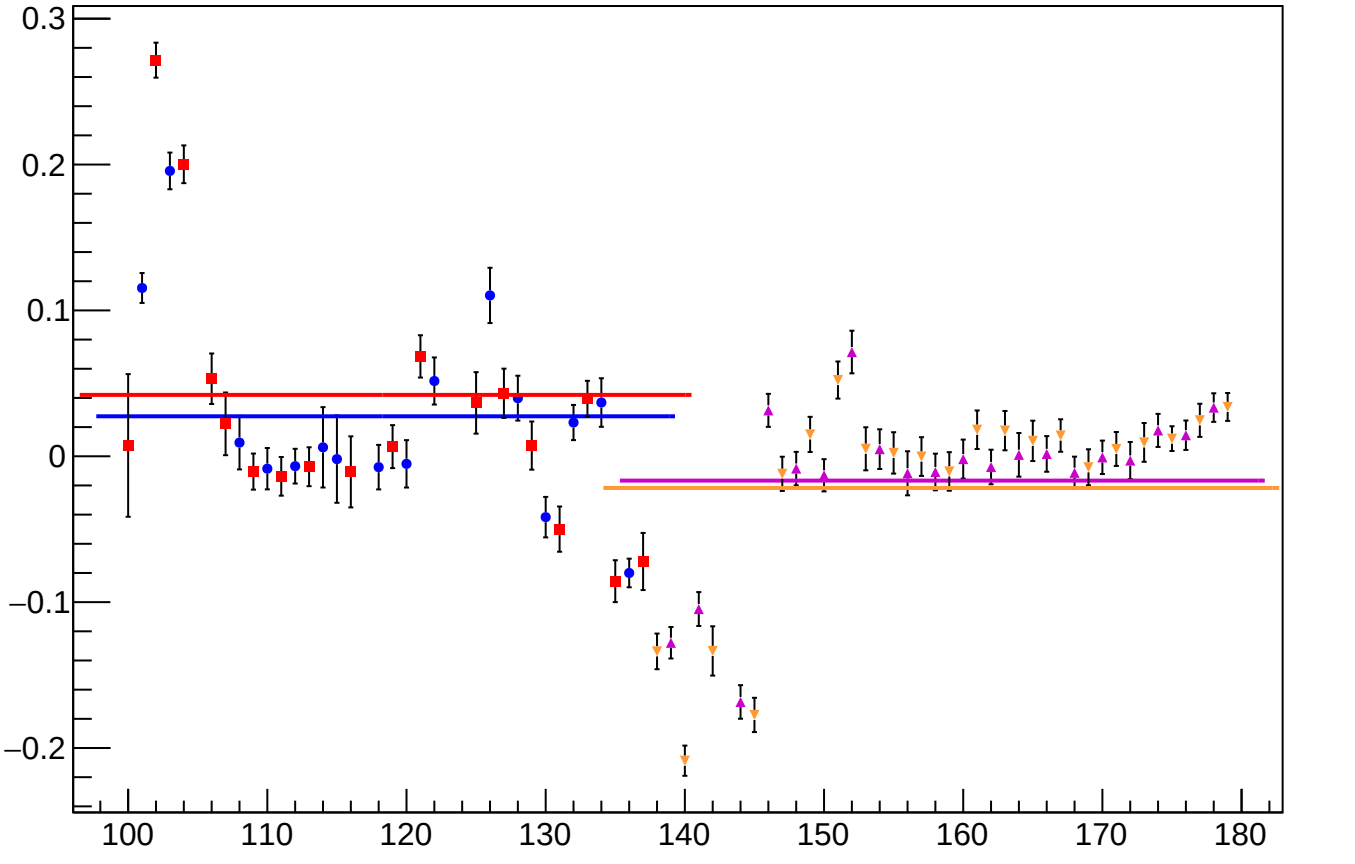
Right Out: -0.018+/-0.003 χ^2/NDF: 24.7/17

Left In: -0.026+/-0.002 χ^2/NDF:50.8/19

+ sign -0.025+/-0.002 χ^2/NDF: 81.9/36

All: -0.024+/-0.001 χ^2/NDF: 161.5/74

- sign -0.024+/-0.002 χ^2/NDF: 79.5/37



Right In: 0.027+/-0.004 χ^2/NDF: 446.1/15

Left Out: -0.022+/-0.003 χ^2/NDF:794.7/20

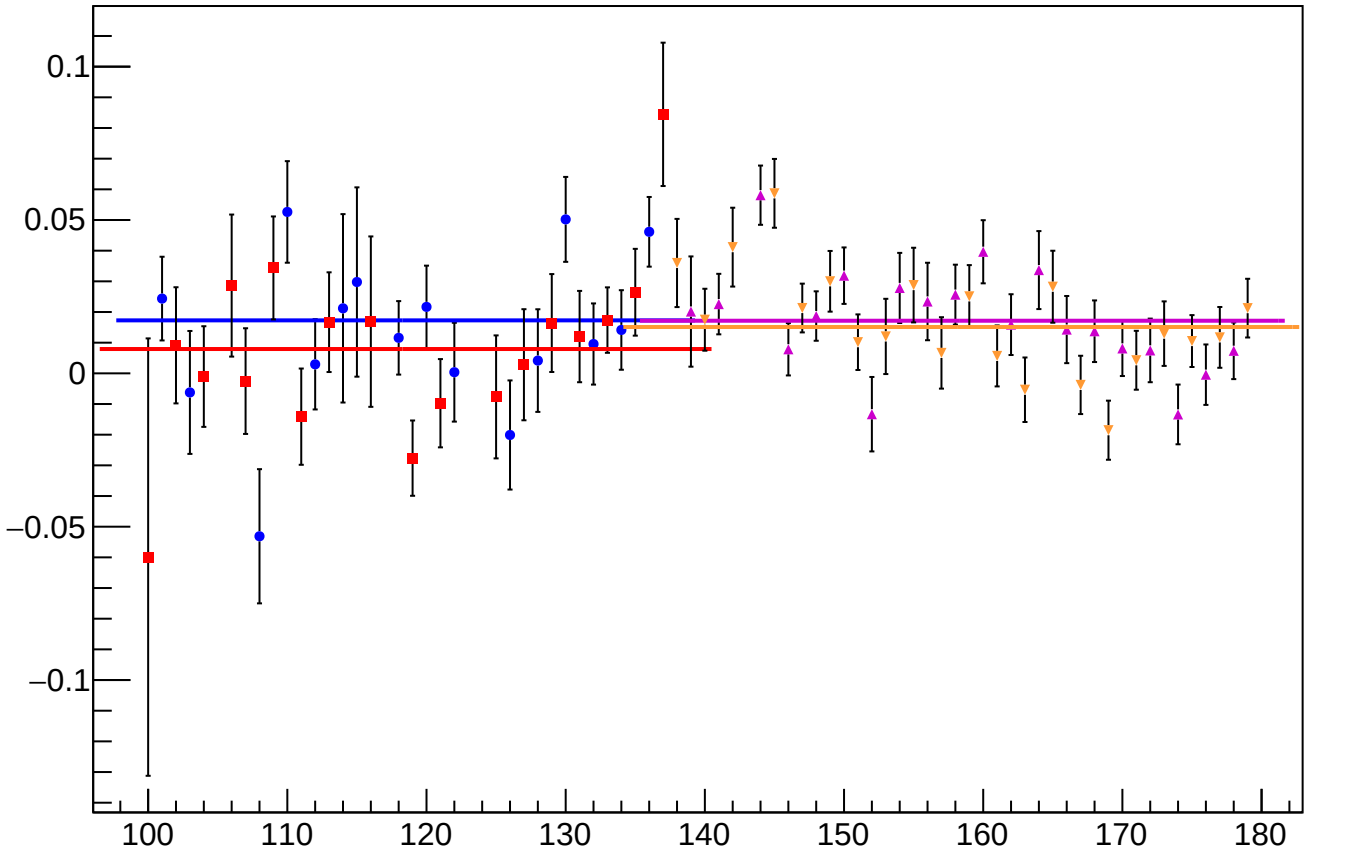
Right Out: 0.042+/-0.004 χ^2/NDF: 733.2/17

Left In: -0.017+/-0.003 χ^2/NDF:449.2/19

+ sign -0.004+/-0.002 χ^2/NDF: 1363.3/36

All: -0.000+/-0.002 χ^2/NDF: 2723.4/74

- sign 0.004+/-0.002 χ^2/NDF: 1352.7/37



Right In: 0.017+/-0.004 χ^2/NDF: 36.7/15

Left Out: 0.015+/-0.002 χ^2/NDF:51.6/20

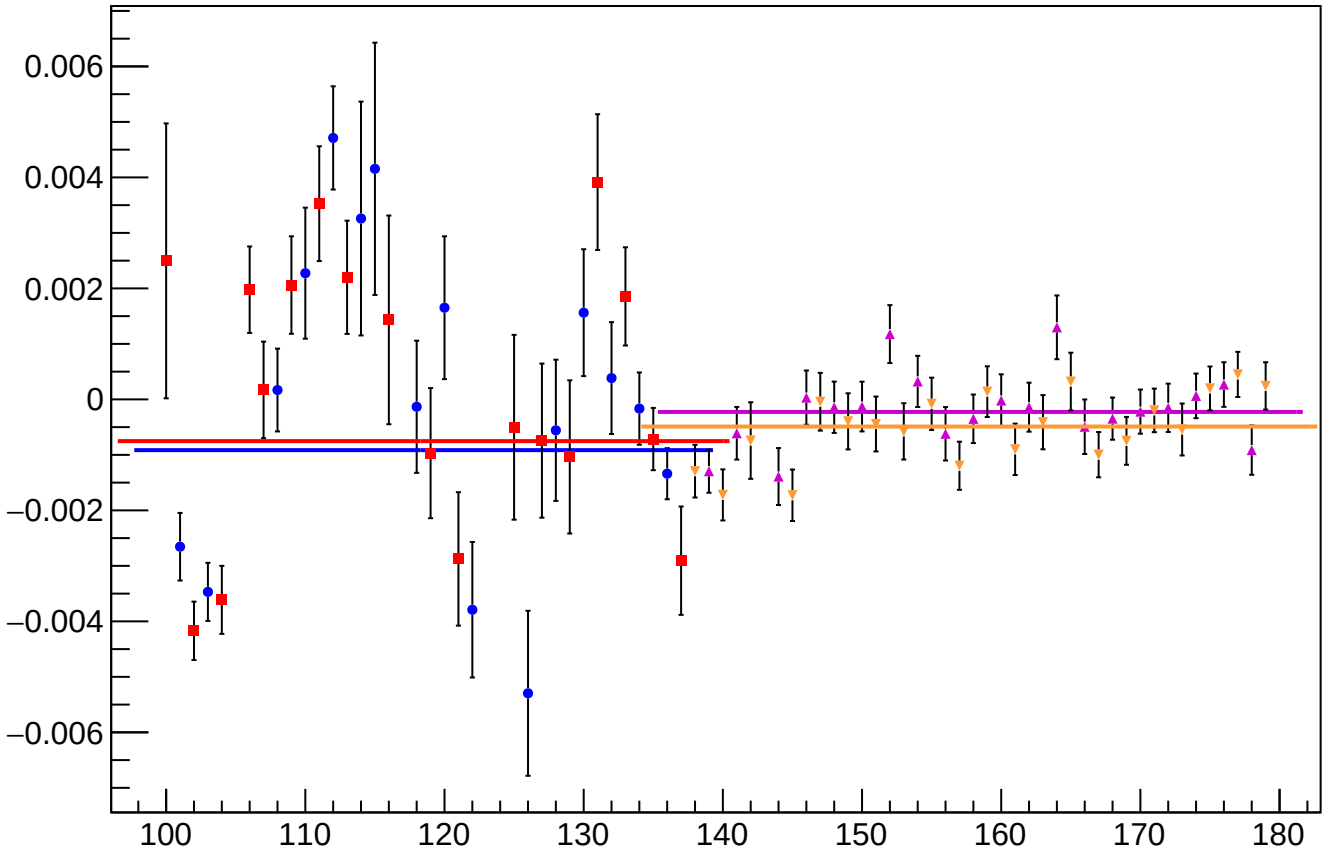
Right Out: 0.008+/-0.004 χ^2/NDF: 31.4/17

Left In: 0.017+/-0.002 χ^2/NDF:52.9/19

+ sign 0.016+/-0.002 χ^2/NDF: 88.5/36

All: 0.015+/-0.001 χ^2/NDF: 177.1/74

- sign 0.015+/-0.002 χ^2/NDF: 88.5/37



Right In: -0.001+/-0.000 χ^2/NDF: 114.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:40.4/20

Right Out: -0.001+/-0.000 χ^2/NDF: 147.6/17

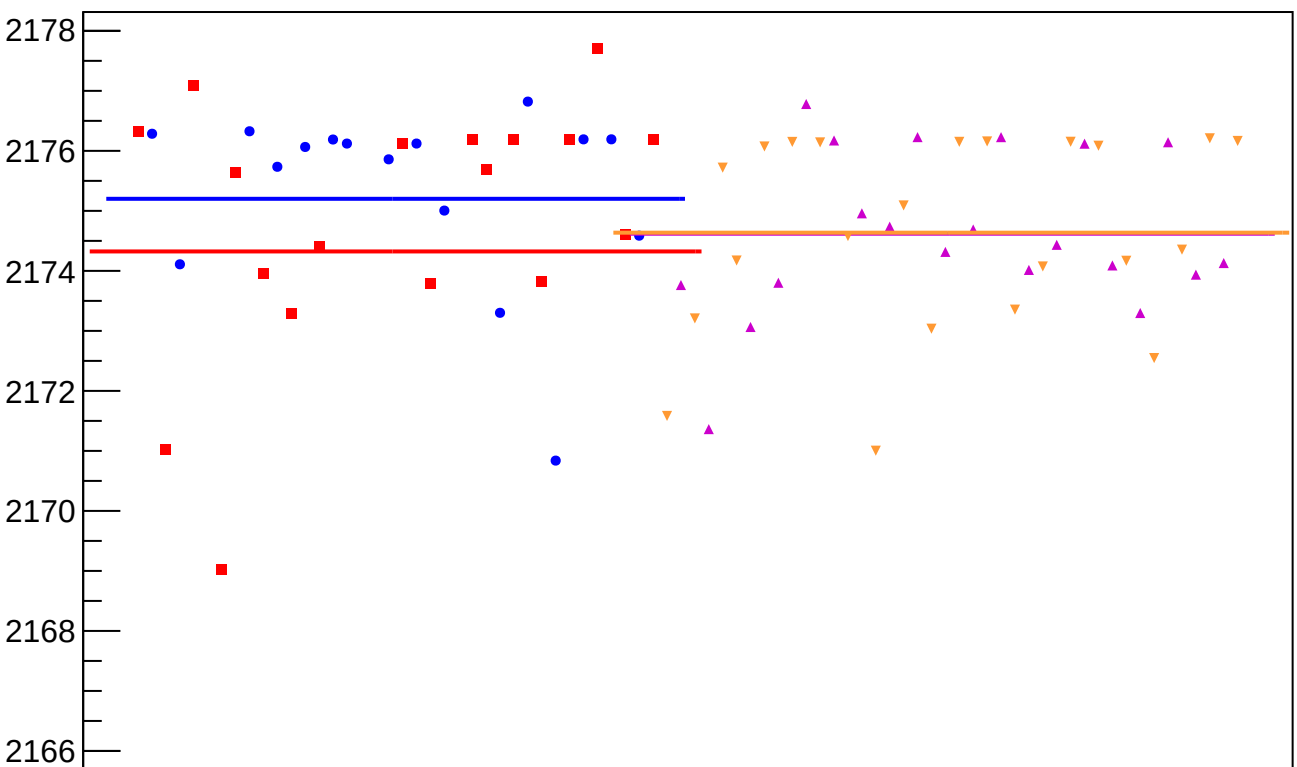
Left In: -0.000+/-0.000 χ^2/NDF:35.2/19

+ sign -0.001+/-0.000 χ^2/NDF: 157.8/36

All: -0.000+/-0.000 χ^2/NDF: 349.2/74

- sign -0.000+/-0.000 χ^2/NDF: 187.8/37

HALLA_p_mean vs Slug



Right In: 2175.201+/-0.000 χ^2/NDF: 176572407292366018093705133136281 6.0/15

Left Out: 2174.637+/-0.000 χ^2/NDF:4700440159128584286728744266104832.0/21

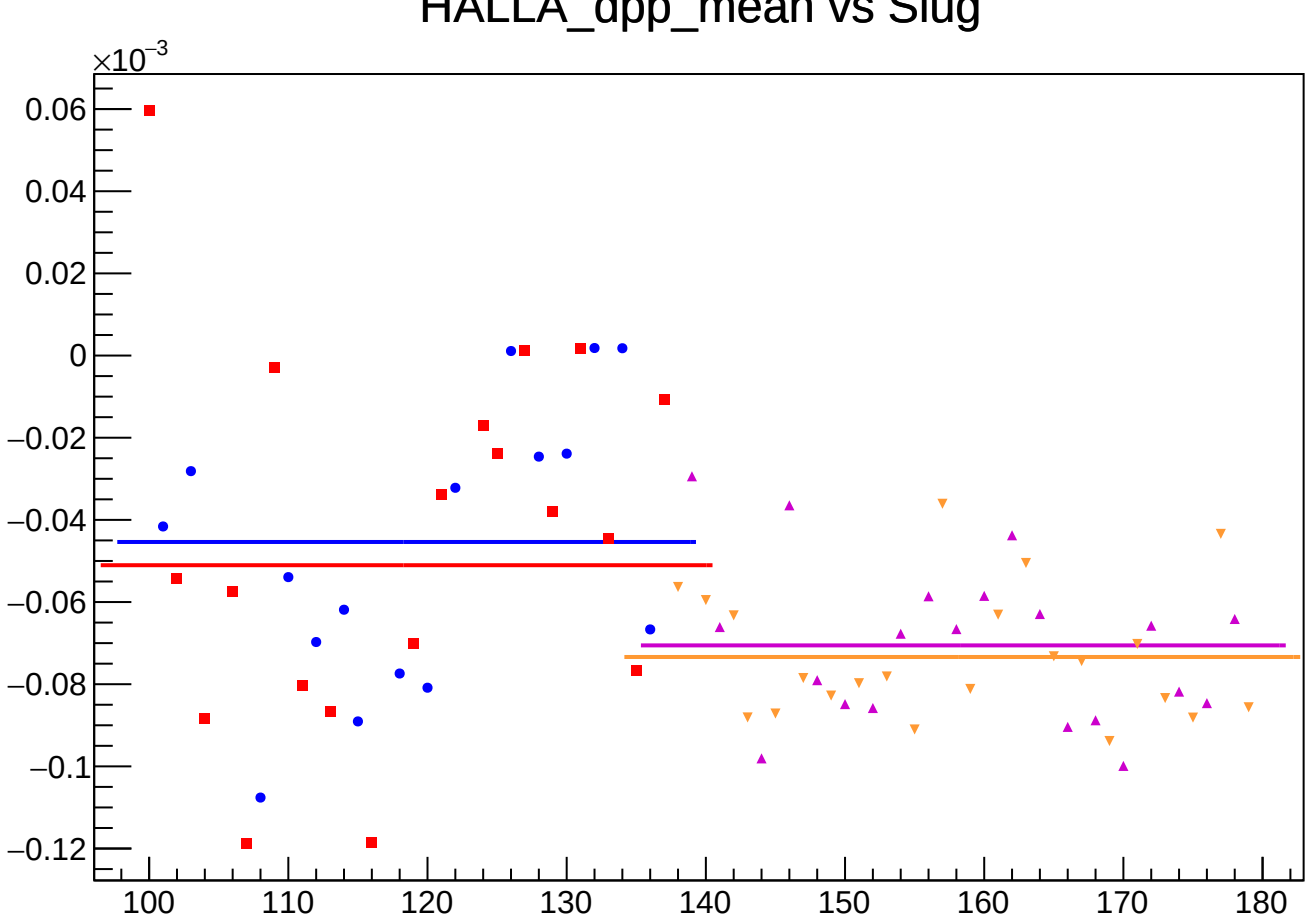
Right Out: 2174.324+/-0.000 χ^2/NDF: 554223941568104692872352720171827 2.0/18

Left In: 2174.619+/-0.000 χ^2/NDF:307976128780229674644802497832550 4.0/19

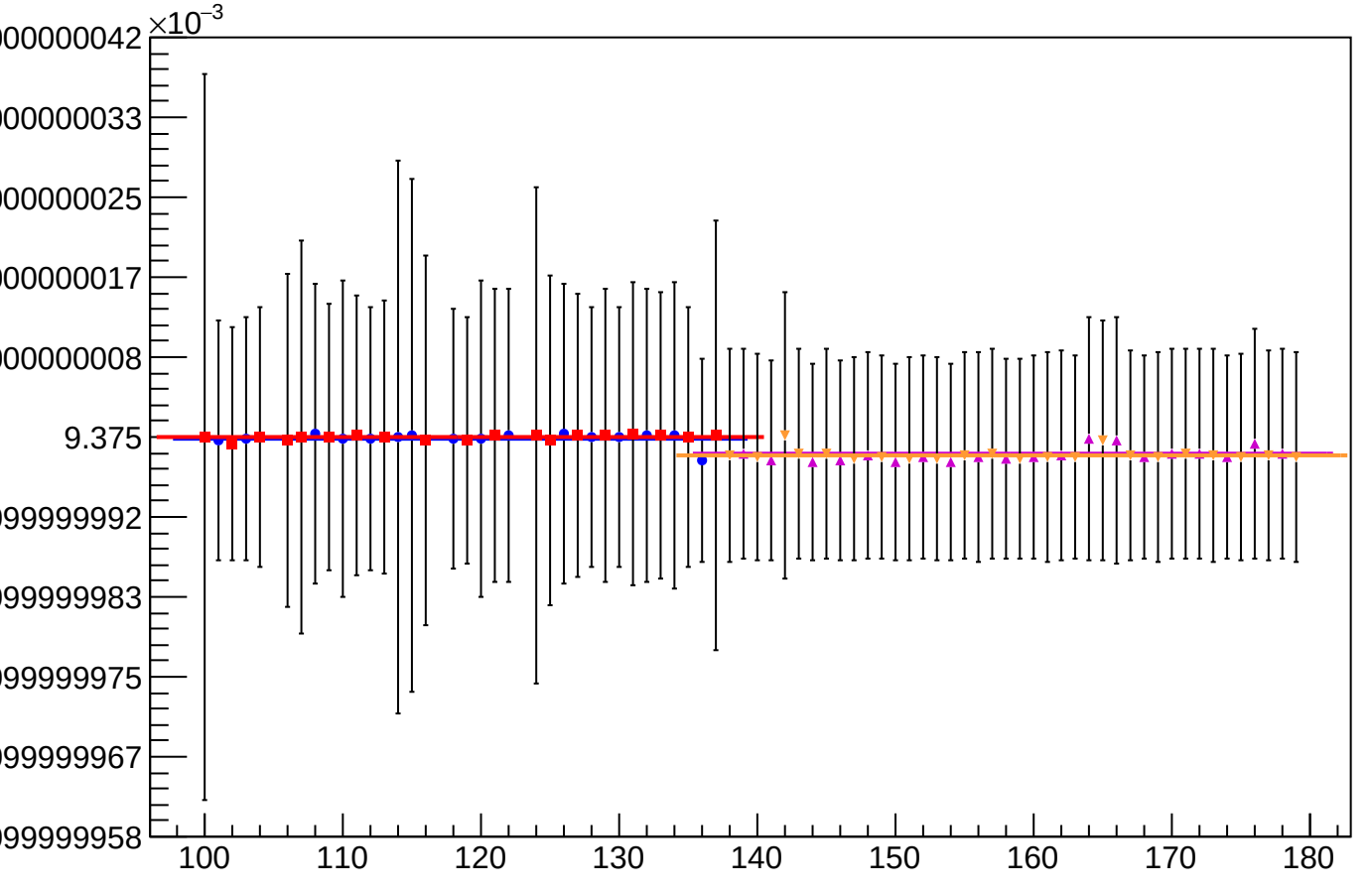
+ sign 2174.800+/-0.000 χ^2/NDF: 6633875136815

All: 2174.666+/-0.000 χ^2/NDF: 153948370

- sign 2174.528+/-0.000 χ^2/NDF: 8667908212933


HALLA_dpp_mean vs Slug
×10⁻³
0.06
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
180
Right In: -0.000+/-0.000 χ²/NDF: 7131320813781223777239040/15
Left Out: -0.000+/-0.000 χ²/NDF:4502936259007606853468160/21
Right Out: -0.000+/-0.000 χ²/NDF: 10119559107206471011532800/18
Left In: -0.000+/-0.000 χ²/NDF:61555549837994578726092 0.0/19
+ sign -0.000+/-0.000 χ²/NDF: 1576295504152597
All: -0.000+/-0.000 χ²/NDF: 3405166594291
- sign -0.000+/-0.000 χ²/NDF: 18281184206514292

MQ171LM_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:0.0/21

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

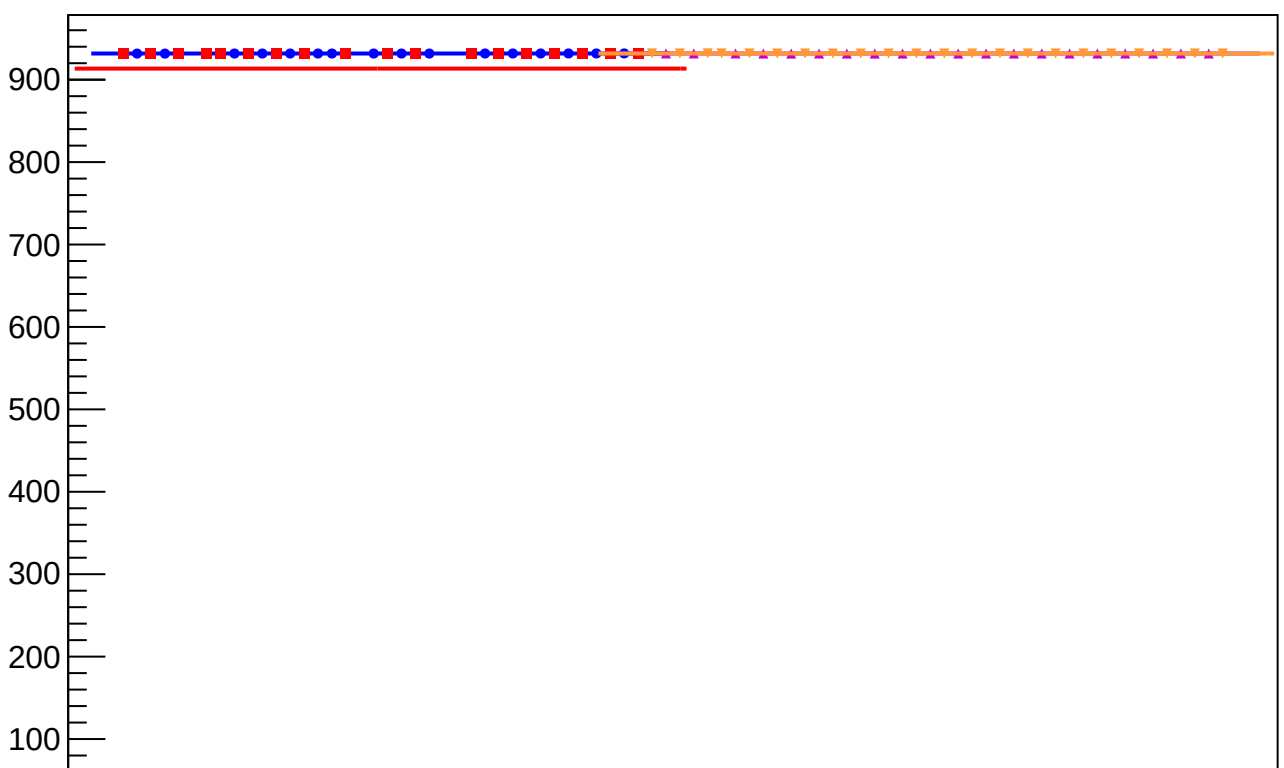
Left In: 0.009+/-0.000 χ^2/NDF:0.1/19

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/37

All: 0.009+/-0.000 χ^2/NDF: 0.5/76

- sign 0.009+/-0.000 χ^2/NDF: 0.3/38

HacL_Q2_HP3458A_IOUT_mean vs Slug



Right In: 931.769+/-0.000 χ^2/NDF: 2757217223595001187167685836800.0/15

Left Out: 931.784+/-0.000 χ^2/NDF:4201062908490219525501584670720.0/21

Right Out: 913.447+/-0.000 χ^2/NDF: 12765879635094435683491886518824337408.0/18

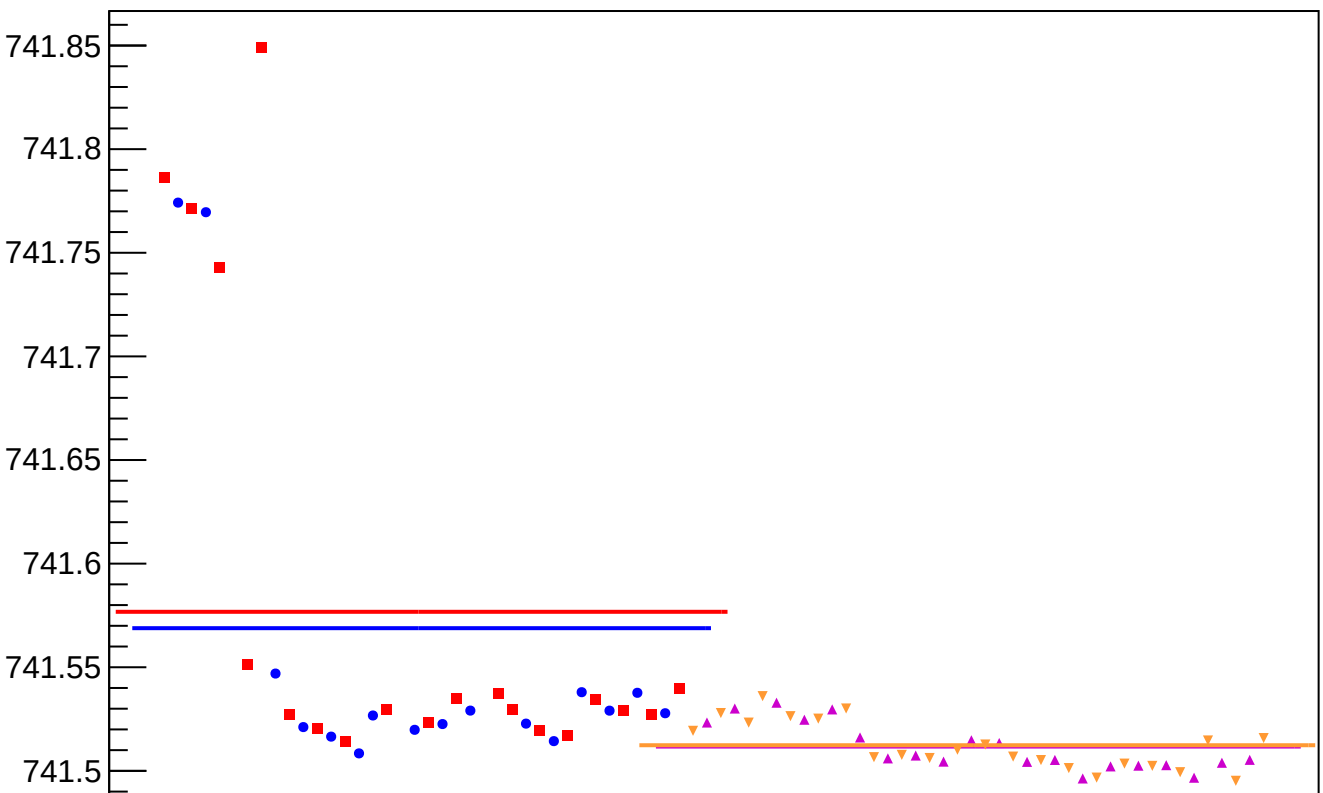
Left In: 931.778+/-0.000 χ^2/NDF:38131267903567061563154314035200.0/19

+ sign 931.780+/-0.000 χ^2/NDF: 708309213040138

All: 928.996+/-0.000 χ^2/NDF: 12983383622

- sign 926.099+/-0.000 χ^2/NDF: 129428425544173

HacL_D1_HP3458A_IOUT_mean vs Slug



Right In: 741.569+/-0.000 χ^2/NDF: 643295117612794706193889938636 8.0/15

Left Out: 741.512+/-0.000 χ^2/NDF:2346961827359627959311290859 52.0/21

Right Out: 741.577+/-0.000 χ^2/NDF: 769226394789261471153747761 5616.0/18

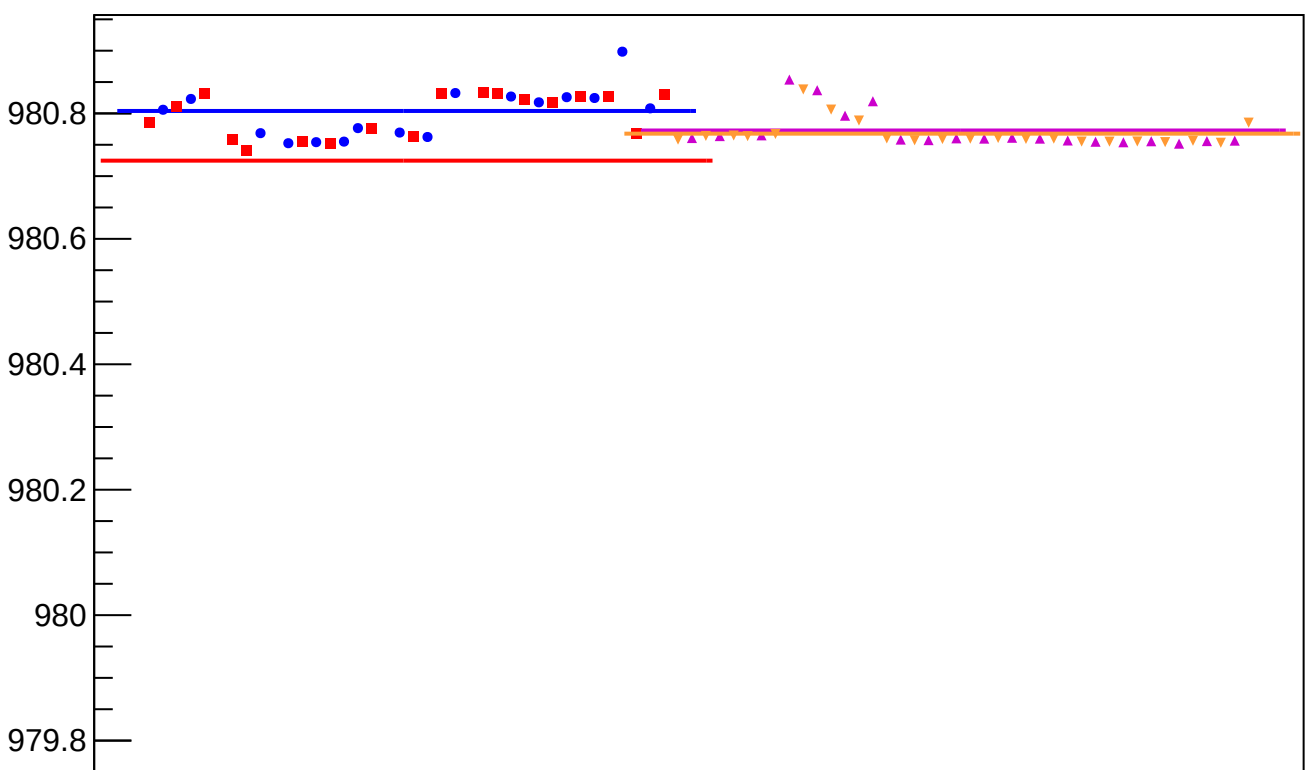
Left In: 741.512+/-0.000 χ^2/NDF:212102474236135944602104365056.0/19

+ sign 741.529+/-0.000 χ^2/NDF: 834831743966415

All: 741.530+/-0.000 χ^2/NDF: 184925645015

- sign 741.532+/-0.000 χ^2/NDF: 101316282365825

HacL_Q3_HP3458A_IOUT_mean vs Slug



Right In: 980.804+/-0.000 χ^2/NDF: 9333132768848077867742459330560/15

Left Out: 980.768+/-0.000 χ^2/NDF:7677794117040777659287559208960/21

Right Out: 980.725+/-0.000 χ^2/NDF: 560402056173583362216628762705920/18

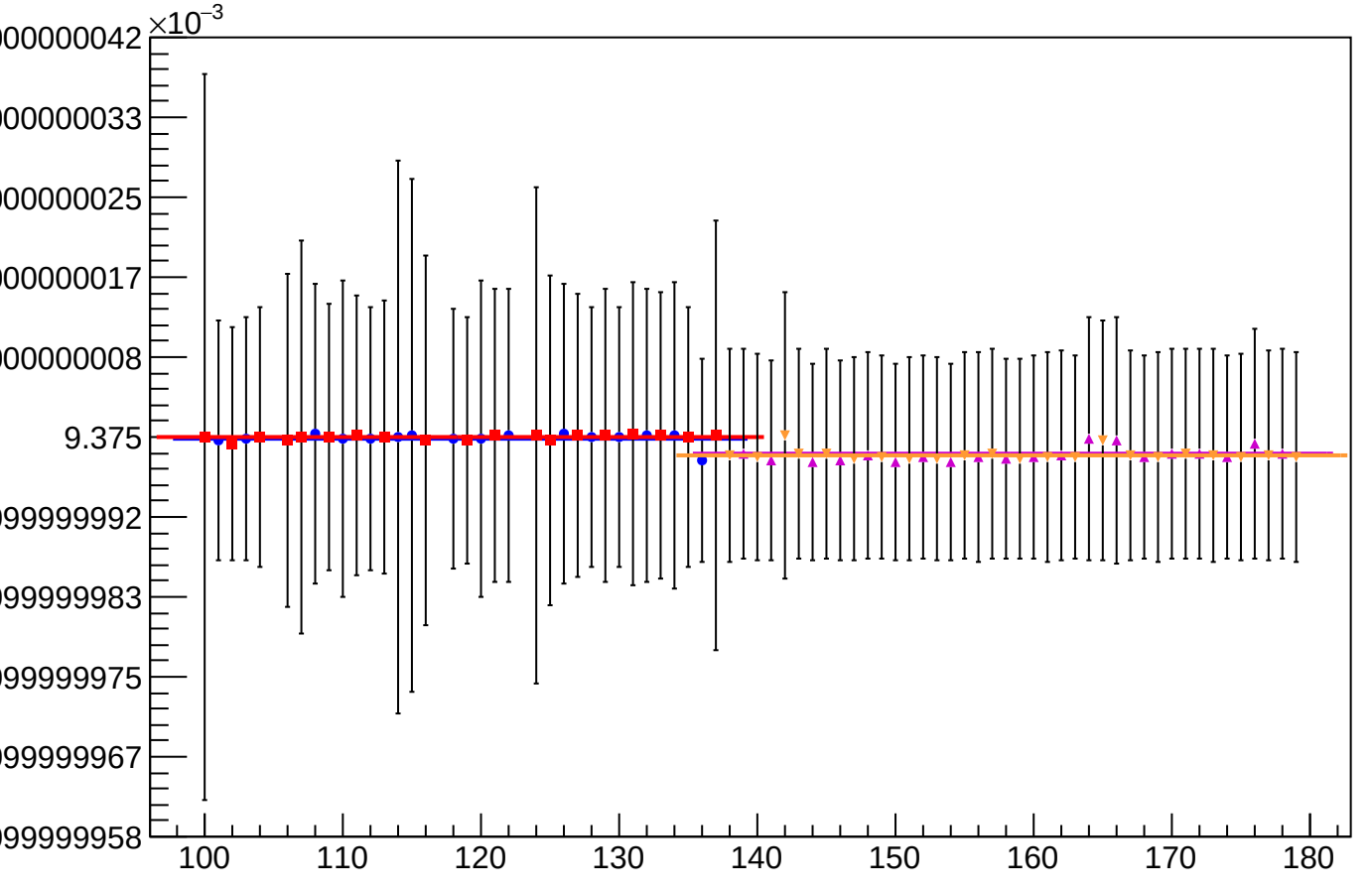
Left In: 980.773+/-0.000 χ^2/NDF:14958960041641615957004312903680/19

+ sign 980.778+/-0.000 χ^2/NDF: 239078282830281

All: 980.768+/-0.000 χ^2/NDF: 616624331105

- sign 980.758+/-0.000 χ^2/NDF: 587534082399402

MQ172RM_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:0.0/21

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

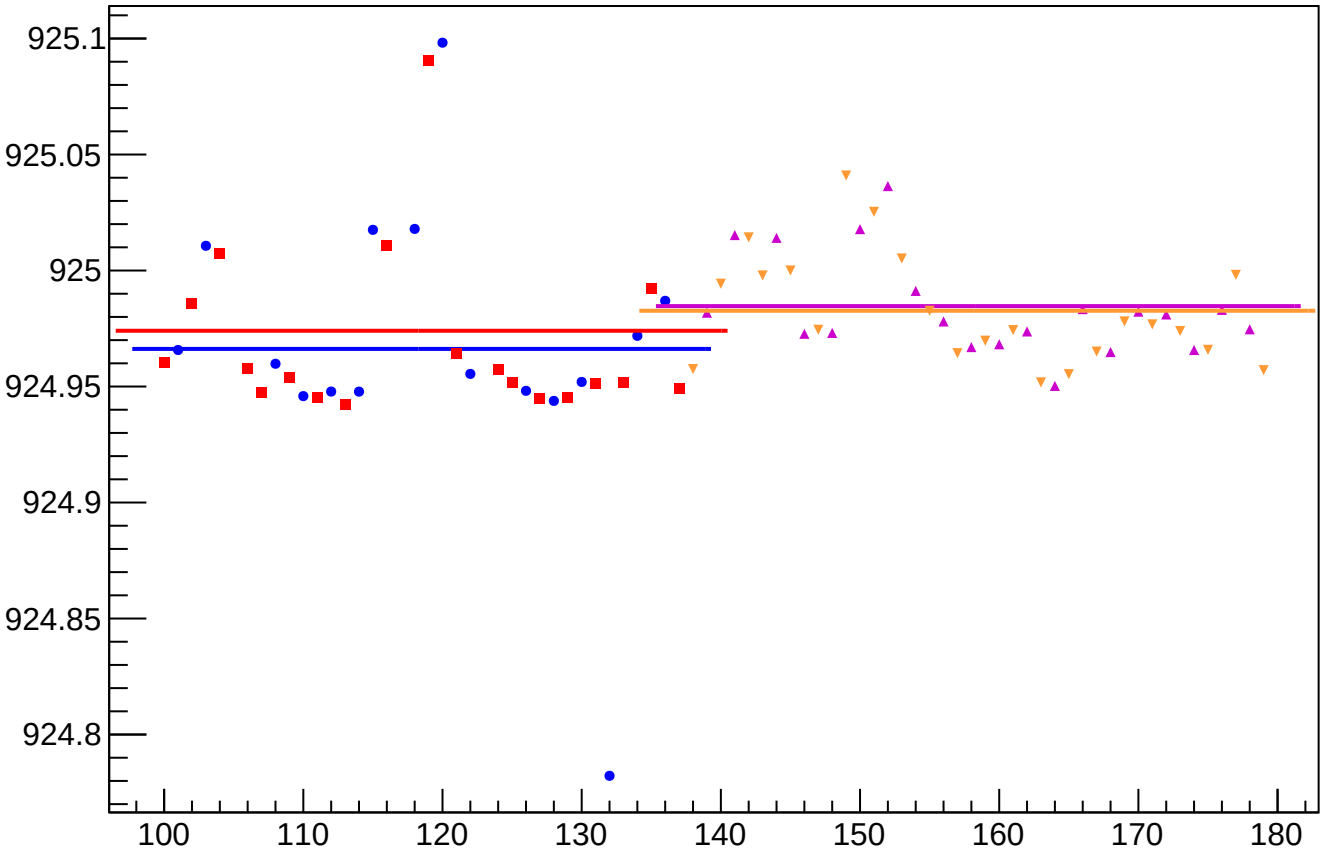
Left In: 0.009+/-0.000 χ^2/NDF:0.1/19

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/37

All: 0.009+/-0.000 χ^2/NDF: 0.5/76

- sign 0.009+/-0.000 χ^2/NDF: 0.3/38

HacR_Q2_HP3458A_IOUT_mean vs Slug



Right In: 924.966+/-0.000 χ^2/NDF: 254437050808765880053303712153 6.0/15

Left Out: 924.983+/-0.000 χ^2/NDF:9846944732323447763769281740 80.0/21

Right Out: 924.974+/-0.000 χ^2/NDF: 124198152111689090023635183206 4.0/18

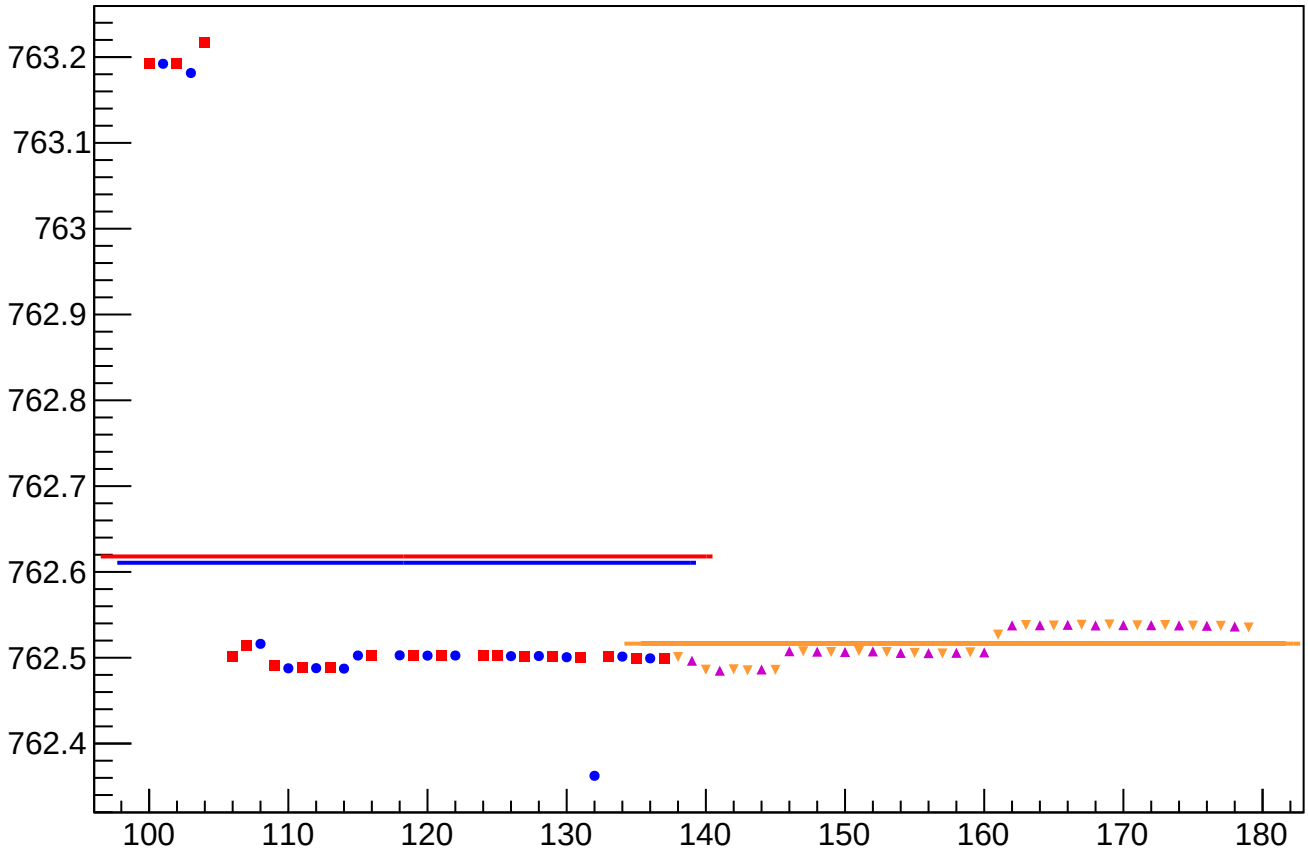
Left In: 924.985+/-0.000 χ^2/NDF:75890803868489128769506561228 8.0/19

+ sign 924.978+/-0.000 χ^2/NDF: 367161064406058

All: 924.980+/-0.000 χ^2/NDF: 5746970400 39

- sign 924.981+/-0.000 χ^2/NDF: 206028537097313

HacR_D1_HP3458A_IOUT_mean vs Slug



Right In: 762.611+/-0.000 χ^2/NDF: 52161453489138778834460408283136.0/15

+ sign 762.544+/-0.000 χ^2/NDF: 575447897423718

Left Out: 762.516+/-0.000 χ^2/NDF:704035912613939782189452361728.0/21

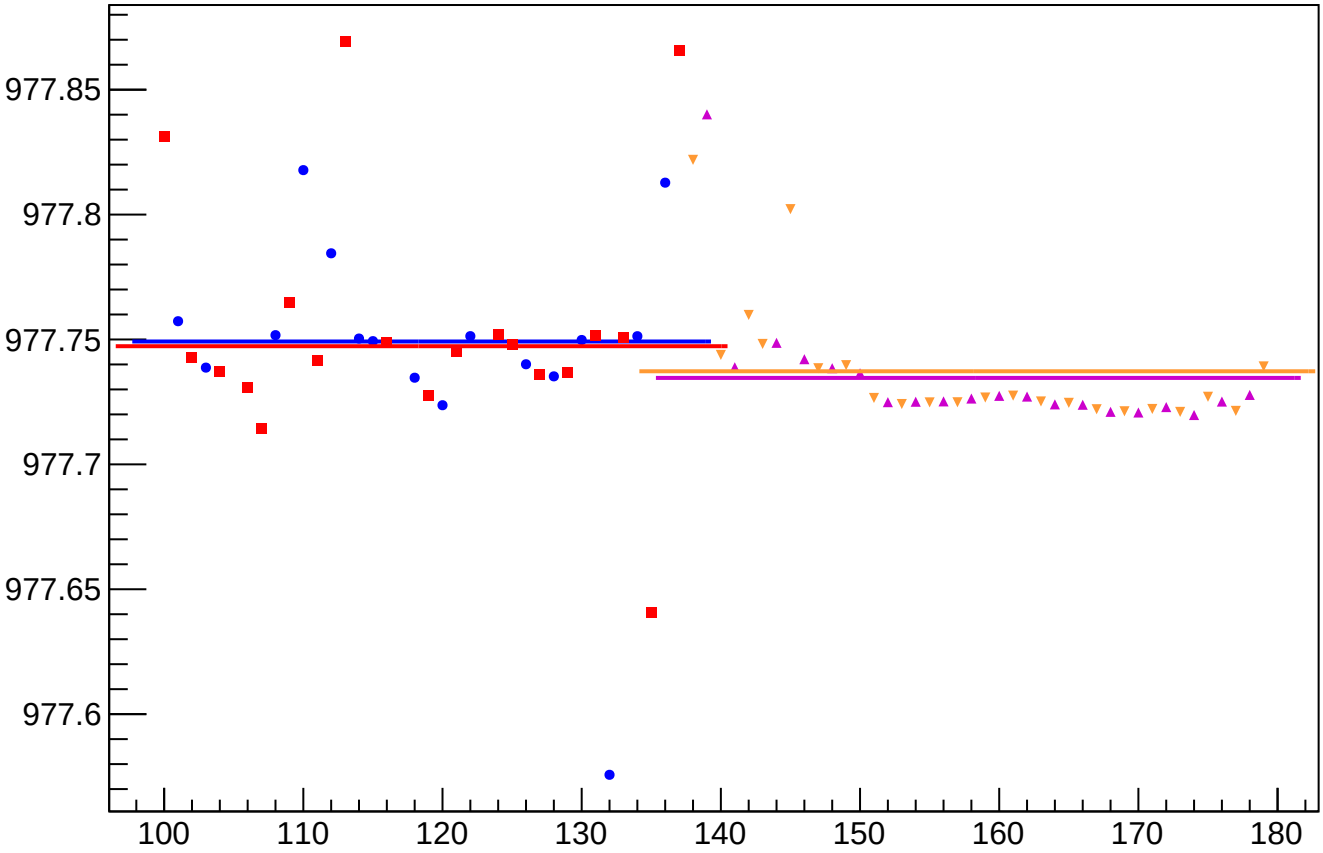
All: 762.546+/-0.000 χ^2/NDF: 116720046763

Right Out: 762.618+/-0.000 χ^2/NDF: 5313433853263039584129784374886 4.0/18

- sign 762.548+/-0.000 χ^2/NDF: 591513957110927

Left In: 762.517+/-0.000 χ^2/NDF:60191739332264135732300139724 8.0/19

HacR_Q3_HP3458A_IOUT_mean vs Slug



Right In: 977.749+/-0.000 χ^2/NDF: 19595783310723160744482245181440.0/15

Left Out: 977.737+/-0.000 χ^2/NDF:1176312126129721155035582169088.0/21

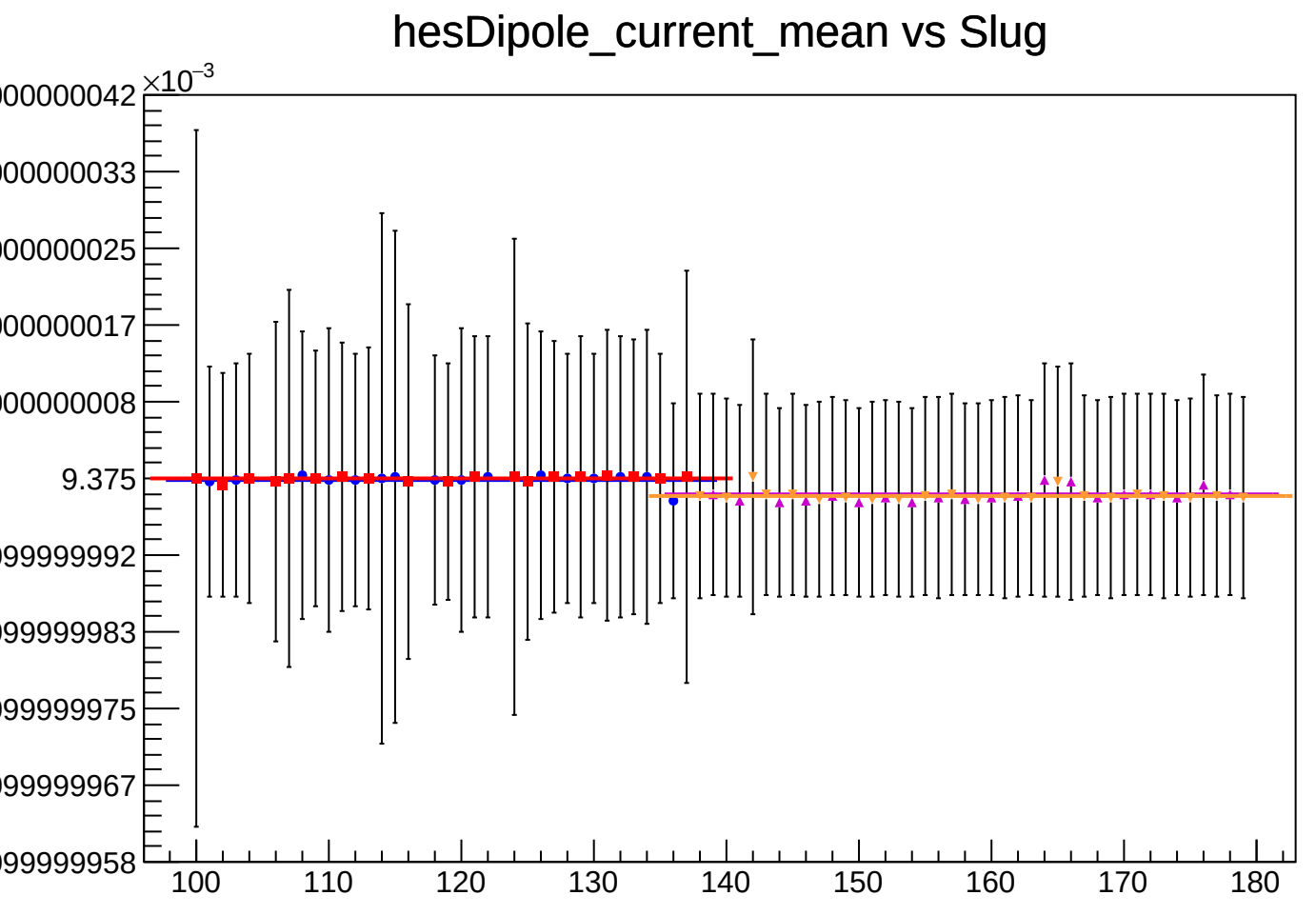
Right Out: 977.747+/-0.000 χ^2/NDF: 178222687781691472632796623672.0/18

Left In: 977.735+/-0.000 χ^2/NDF:109051084901800706042956768704.0/19

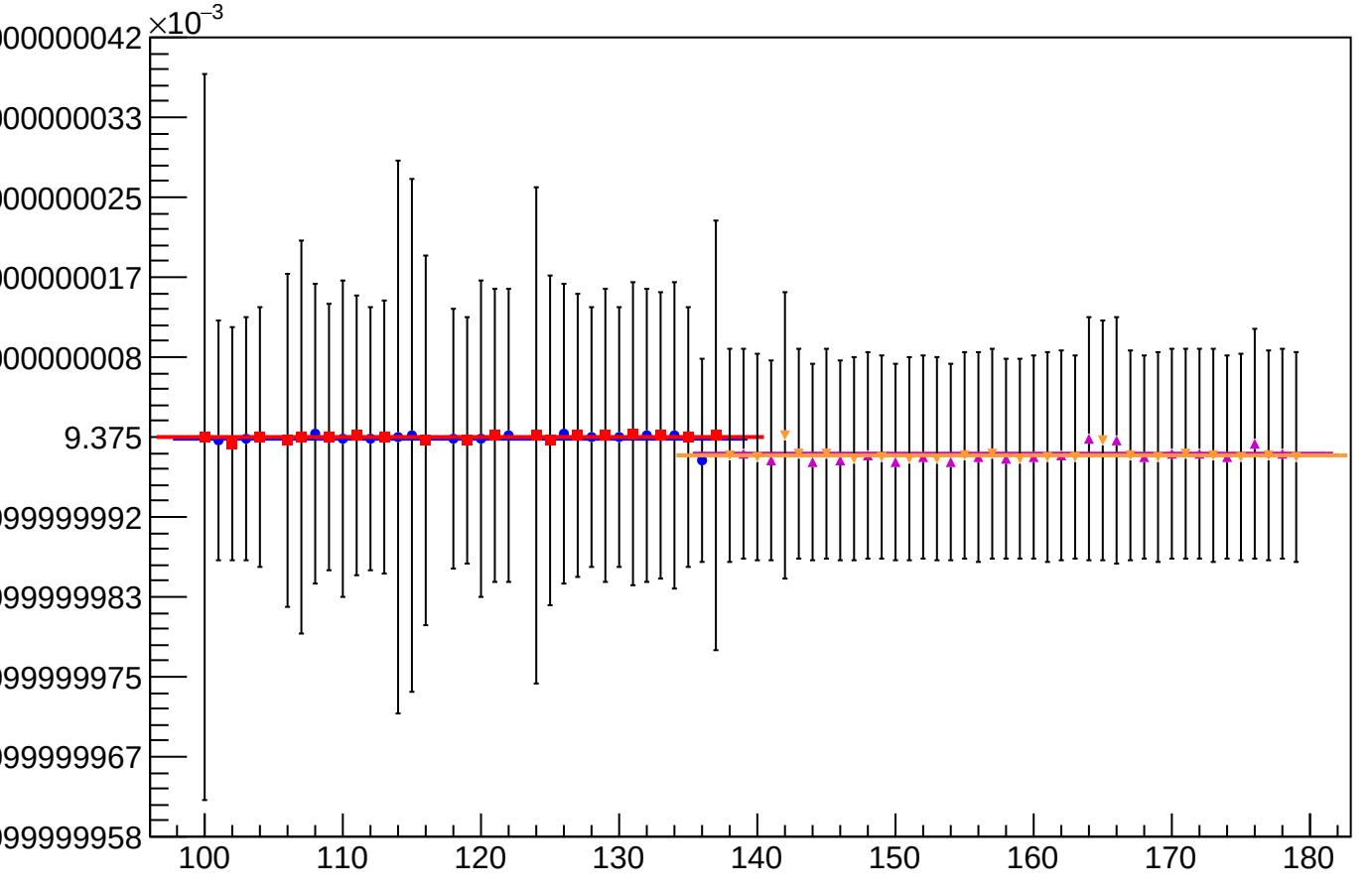
+ sign 977.741+/-0.000 χ^2/NDF: 321080064918091

All: 977.740+/-0.000 χ^2/NDF: 617436055317

- sign 977.739+/-0.000 χ^2/NDF: 295762364423354


hesDipole_current_mean vs Slug
×10⁻³
100
110
120
130
140
150
160
170
180
9.375
Right In: 0.009+/-0.000 χ²/NDF: 0.1/15
Left Out: 0.009+/-0.000 χ²/NDF:0.0/21
Right Out: 0.009+/-0.000 χ²/NDF: 0.0/18
Left In: 0.009+/-0.000 χ²/NDF:0.1/19
+ sign 0.009+/-0.000 χ²/NDF: 0.2/37
All: 0.009+/-0.000 χ²/NDF: 0.5/76
- sign 0.009+/-0.000 χ²/NDF: 0.3/38

MSUPERBIGBITEreadcalc_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:0.0/21

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

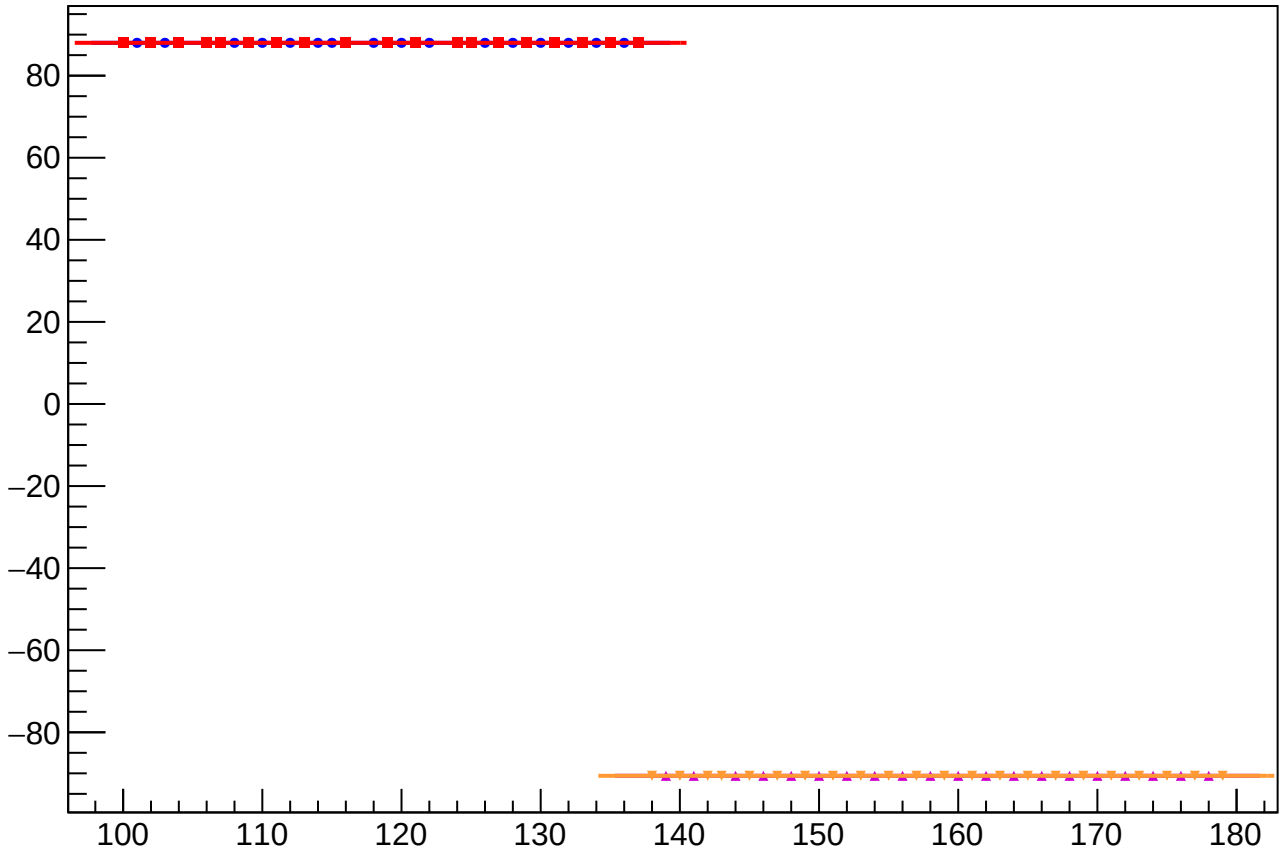
Left In: 0.009+/-0.000 χ^2/NDF:0.1/19

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/37

All: 0.009+/-0.000 χ^2/NDF: 0.5/76

- sign 0.009+/-0.000 χ^2/NDF: 0.3/38

VWienAngle_mean vs Slug



Right In: 88.001+/-0.000 χ^2/NDF: 1500072.7/15

Left Out: -90.599+/-0.000 χ^2/NDF:4434382.8/21

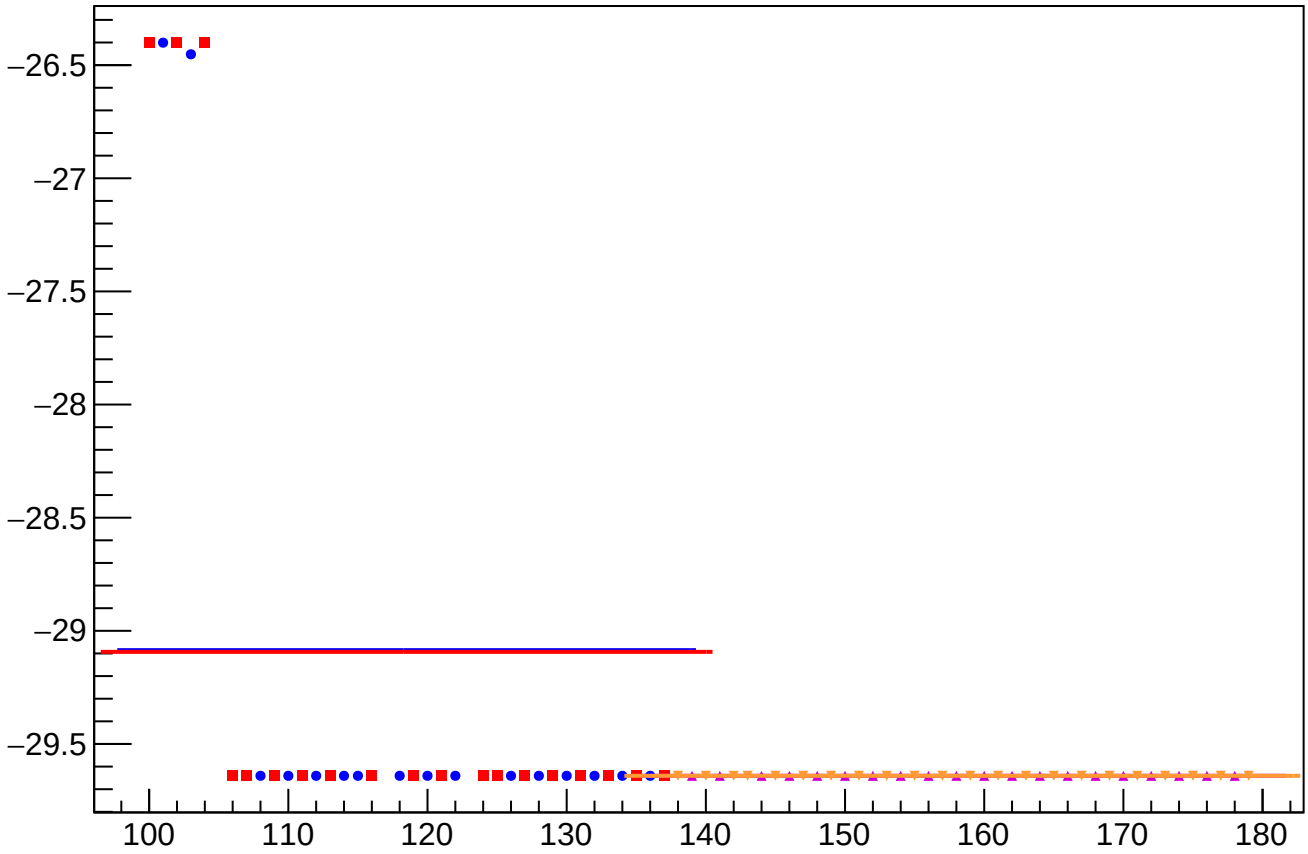
Right Out: 88.003+/-0.000 χ^2/NDF: 732270589413796643601760911360/18

Left In: -90.599+/-0.000 χ^2/NDF:5802583.1/19

+ sign -38.963+/-0.000 χ^2/NDF: 168027700319625

All: -37.154+/-0.000 χ^2/NDF: 336189607526

- sign -35.271+/-0.000 χ^2/NDF: 167990648651739



Right In: -29.085+/-0.000 χ^2/NDF: 109436788525160987735503641195315 2.0/15

Left Out: -29.641+/-0.000 χ^2/NDF:258796.9/21

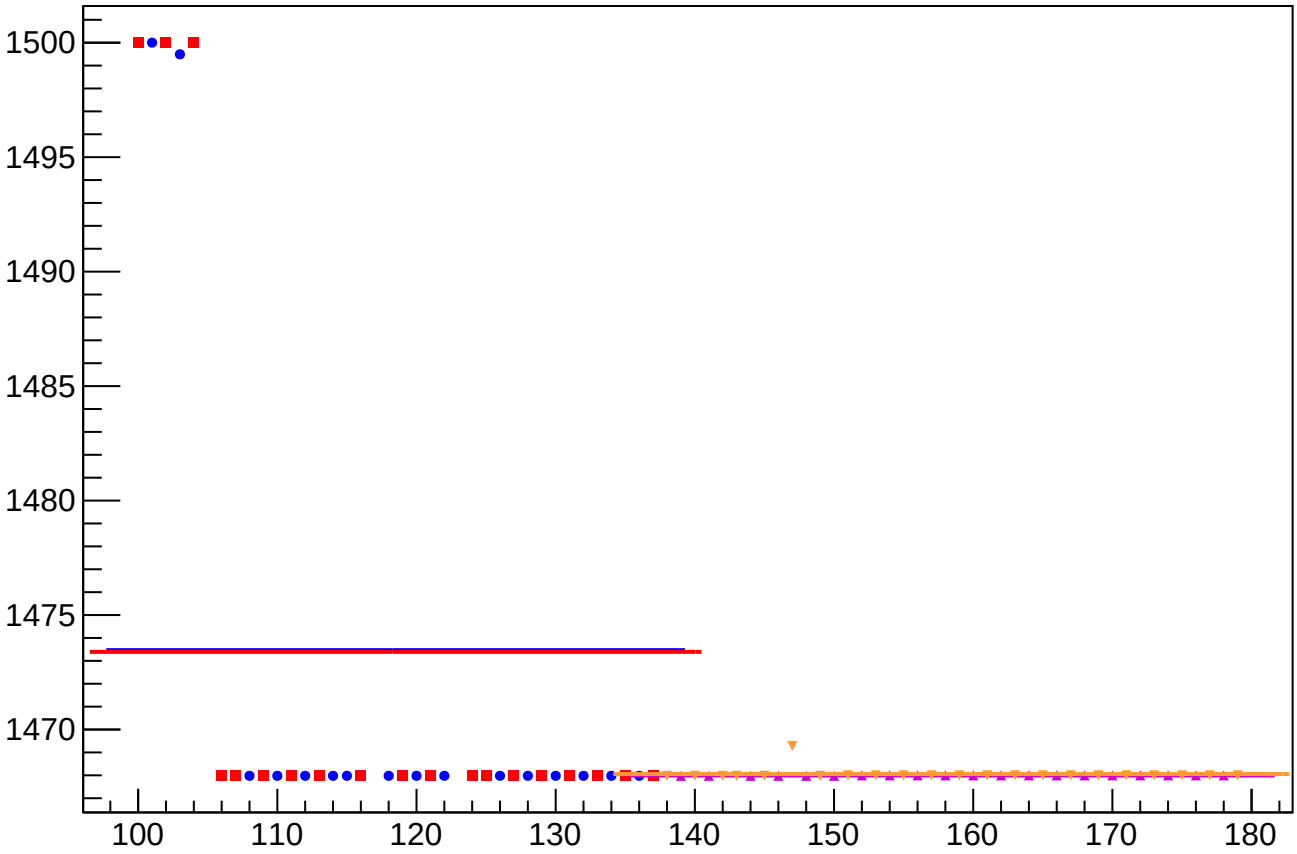
Right Out: -29.093+/-0.000 χ^2/NDF: 112523815674969284979780589977600 0.0/18

Left In: -29.641+/-0.000 χ^2/NDF:91015.6/19

+ sign -29.480+/-0.000 χ^2/NDF: 125680266384258

All: -29.476+/-0.000 χ^2/NDF: 254017227409

- sign -29.471+/-0.000 χ^2/NDF: 128326447161996



Right In: 1473.467+/-0.000 χ^2/NDF: 10689419486070617687848579370477158 4.0/15

+ sign 1469.621+/-0.000 χ^2/NDF: 1224585020289

Left Out: 1468.056+/-0.000 χ^2/NDF:13898793069881711089761008589209 6.0/21

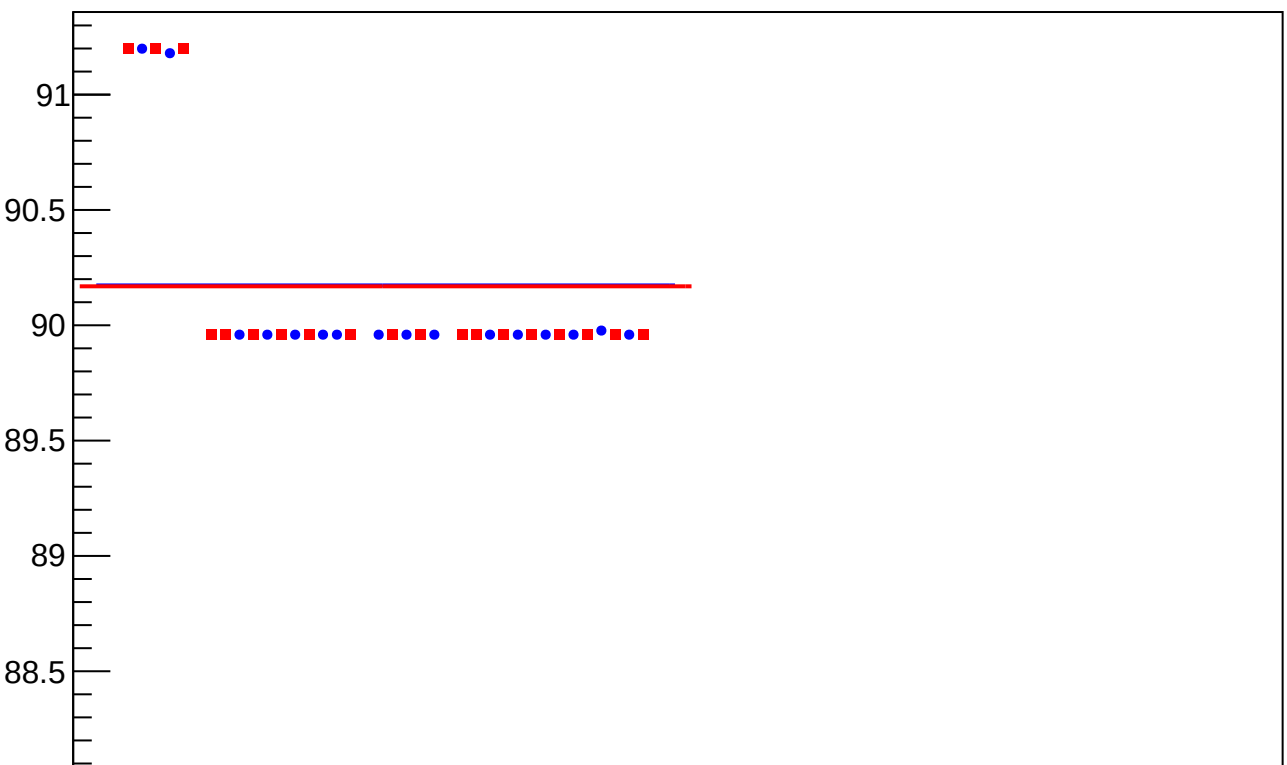
All: 1469.643+/-0.000 χ^2/NDF: 247728748 9

Right Out: 1473.393+/-0.000 χ^2/NDF: 10990949973340107876106784330062233 6.0/18

- sign 1469.666+/-0.000 χ^2/NDF: 12526767670940

Left In: 1467.993+/-0.000 χ^2/NDF:14796799996359818980443239219 2.0/19

Phi_FG_mean vs Slug



Right In: 90.173+/-0.000 χ^2/NDF: 160010492173064584437589858058240.0/15

Left Out: 88.021+/-0.000 χ^2/NDF:3901239.0/21

Right Out: 90.169+/-0.000 χ^2/NDF: 164815404456112641329707295440896.0/18

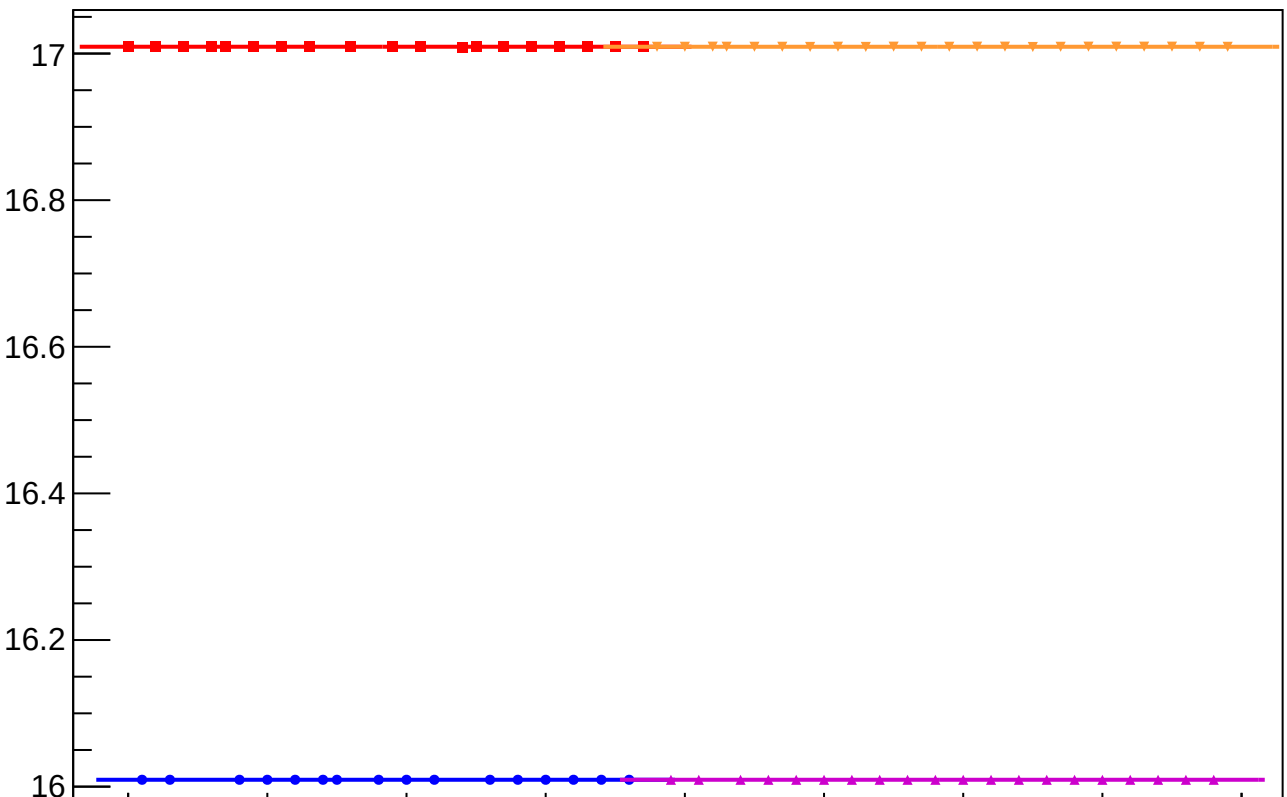
Left In: 88.021+/-0.000 χ^2/NDF:5155136.6/19

+ sign 88.643+/-0.000 χ^2/NDF: 2599642347546937

All: 88.664+/-0.000 χ^2/NDF: 5197195212989

- sign 88.686+/-0.000 χ^2/NDF: 2595197729614875

IGL1I00DI24_24M_mean vs Slug



Right In: 16.009+/-0.000 χ^2/NDF: 44239.3/15

Left Out: 17.009+/-0.000 χ^2/NDF:2533290164133295377560371 2.0/21

Right Out: 17.009+/-0.000 χ^2/NDF: 13878987313036743260766208.0/18

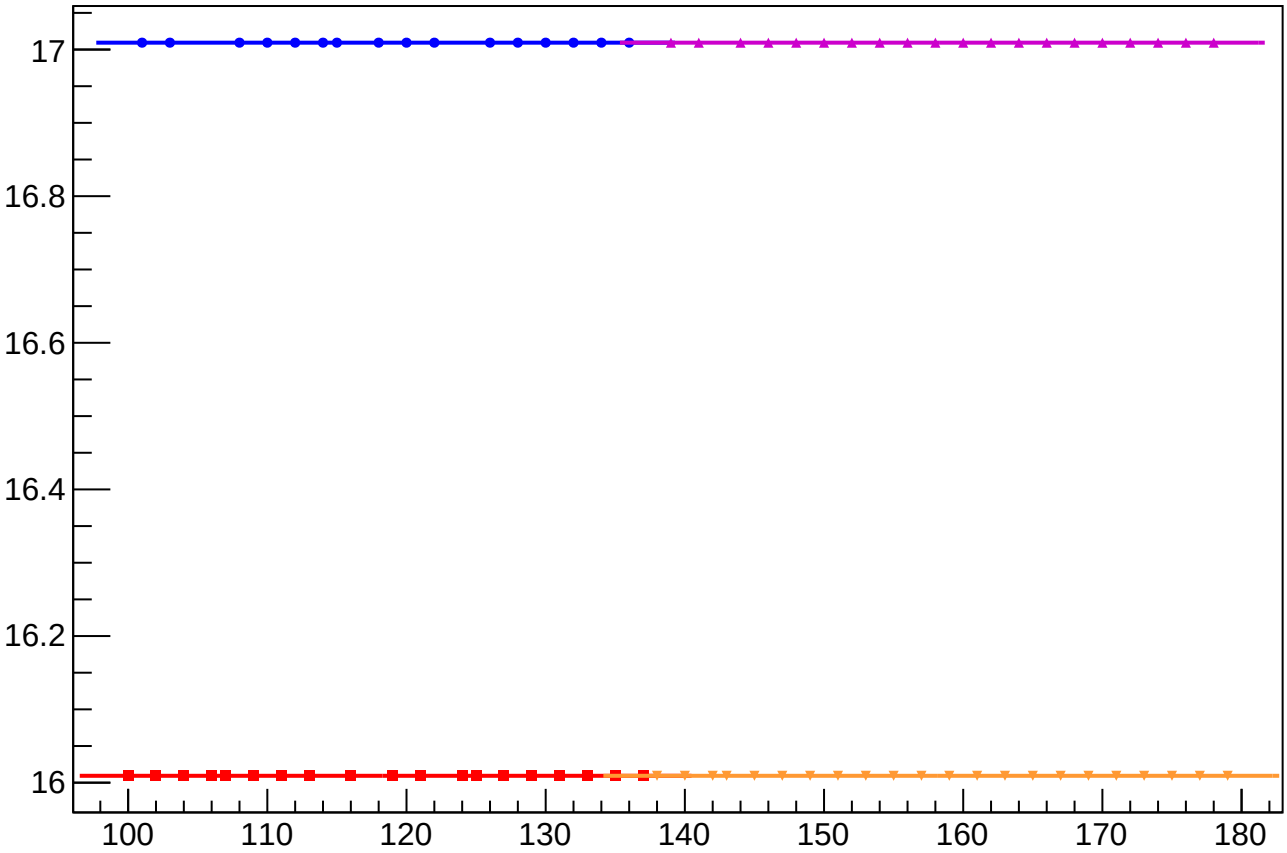
Left In: 16.009+/-0.000 χ^2/NDF:12406643078675909364940 8.0/19

+ sign 16.714+/-0.000 χ^2/NDF: 4946436093604792

All: 16.518+/-0.000 χ^2/NDF: 116467090936

- sign 16.313+/-0.000 χ^2/NDF: 4825561199277244

IGL1I00OD16_16_mean vs Slug



Right In: 17.009+/-0.000 χ^2/NDF: 126634.3/15

Left Out: 16.009+/-0.000 χ^2/NDF:119490.3/21

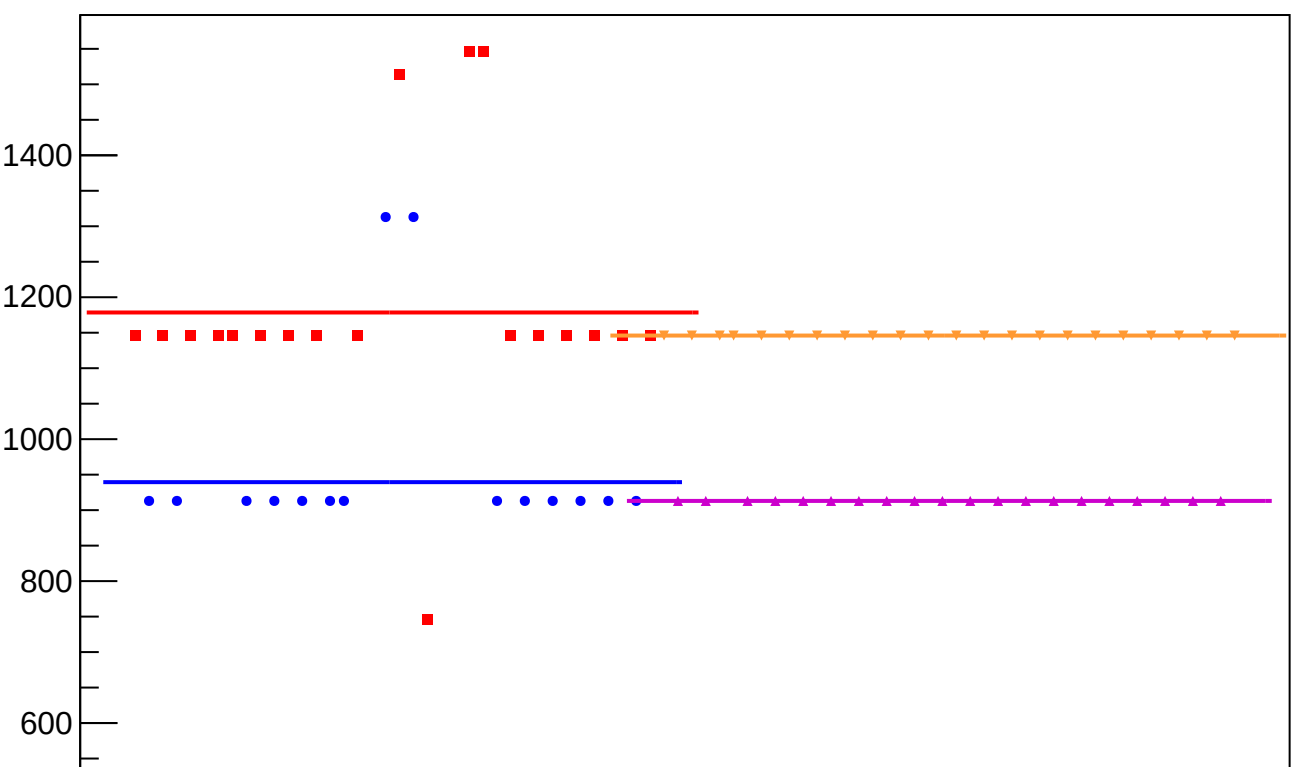
Right Out: 16.009+/-0.000 χ^2/NDF: 39518.8/18

Left In: 17.009+/-0.000 χ^2/NDF:1103851463925877880913920.0/19

+ sign 16.292+/-0.000 χ^2/NDF: 5073000399520568

All: 16.491+/-0.000 χ^2/NDF: 122950944808

- sign 16.696+/-0.000 χ^2/NDF: 5211446145836941



Right In: 939.446+/-0.000 χ^2/NDF: 21082933856092788763552768673189986304.0/15

+ sign 1086.290+/-0.000 χ^2/NDF: 4355958495567

Left Out: 1146.011+/-0.000 χ^2/NDF:690651272963950813131385966592.0/21

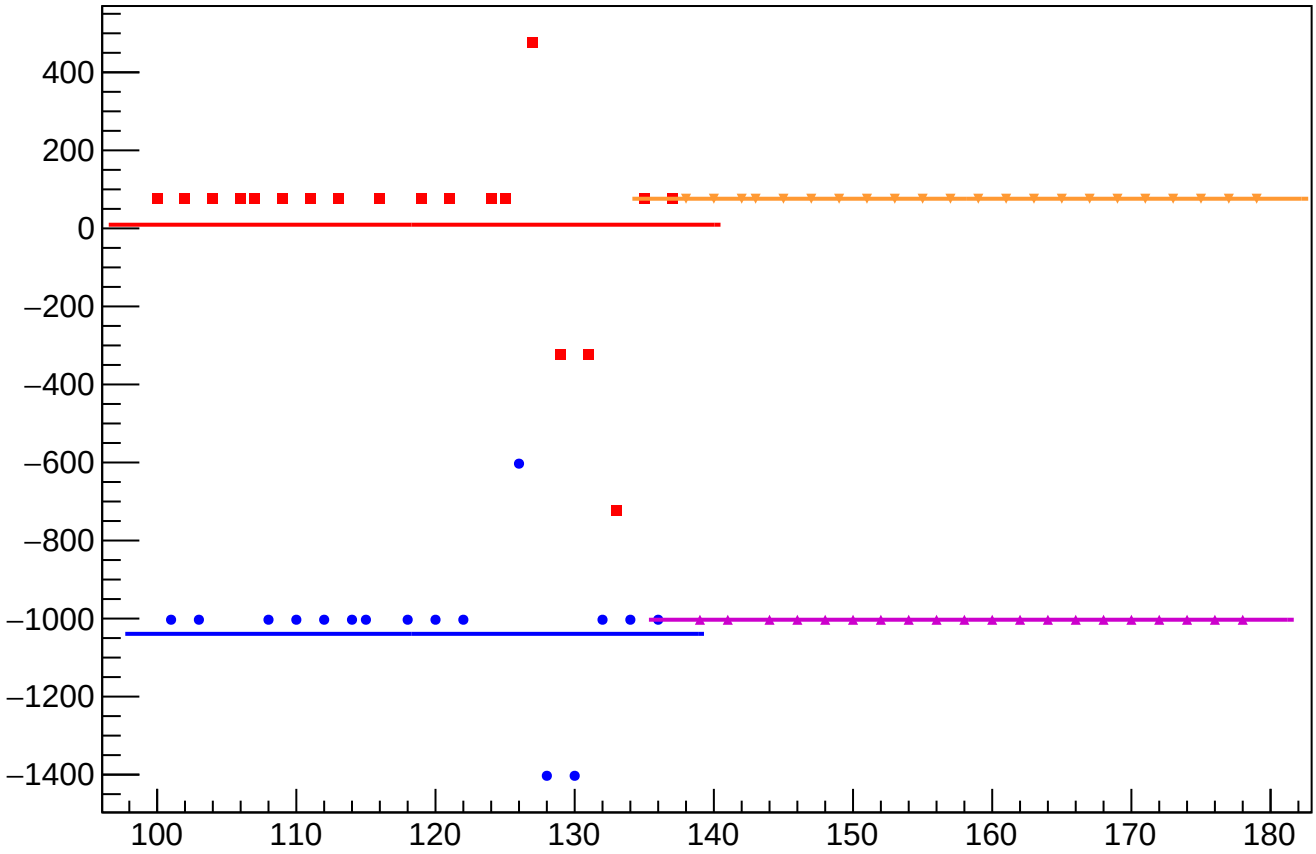
All: 1041.675+/-0.000 χ^2/NDF: 1132380162

Right Out: 1178.513+/-0.000 χ^2/NDF: 22140259958123277565481106114837741568.0/18

- sign 995.248+/-0.000 χ^2/NDF: 592679211658523

Left In: 912.995+/-0.000 χ^2/NDF:22165098654270309326345207808.0/19

RTPAPOSVCNT_mean vs Slug



Right In: -1039.157+/-0.000 χ^2/NDF: 228703773085071640027081015550845911104.0/15

+ sign -246.400+/-0.000 χ^2/NDF: 67795655243612

Left Out: 76.011+/-0.000 χ^2/NDF:10148658138728192048730472448.0/21

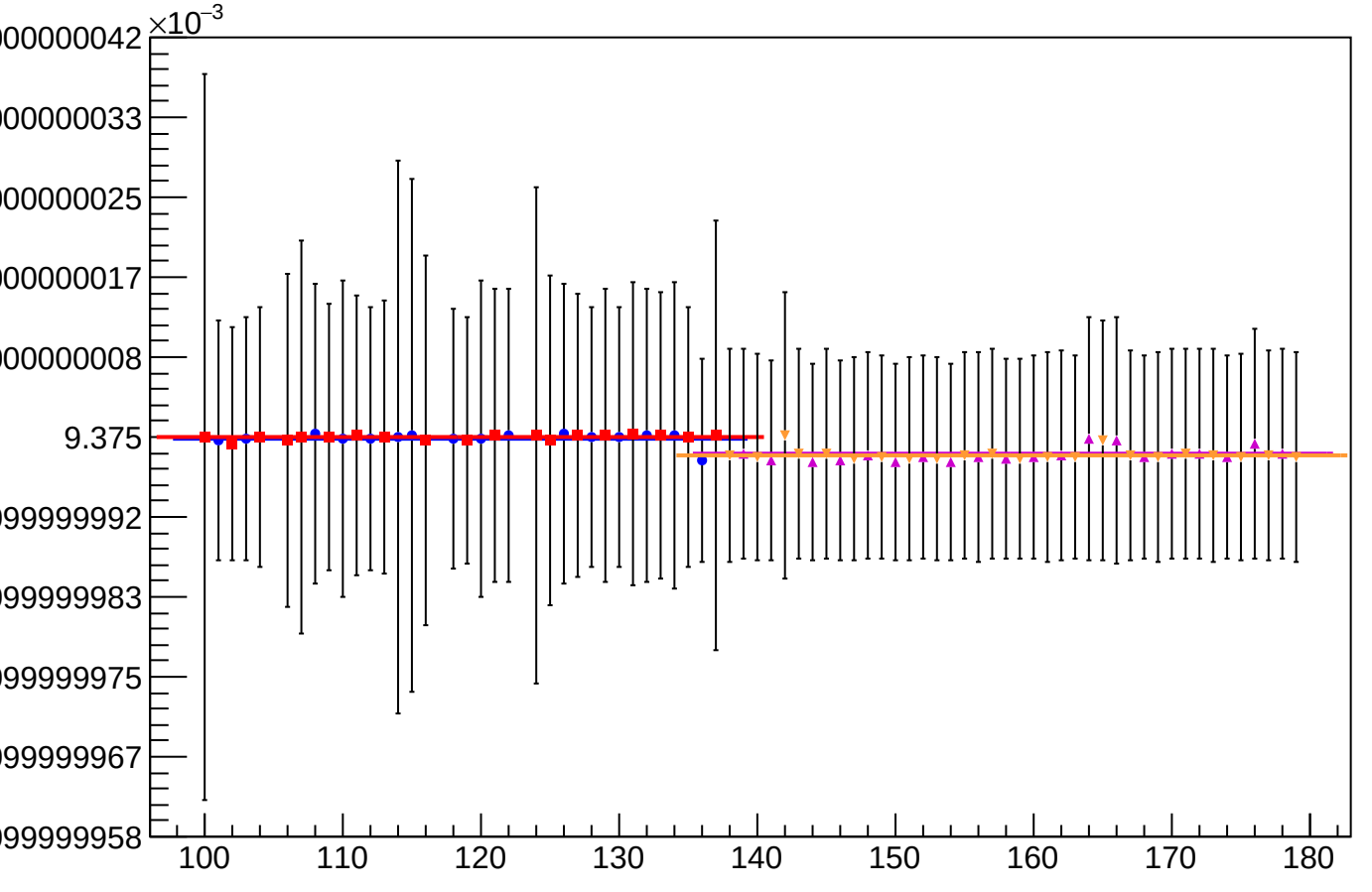
All: -463.472+/-0.000 χ^2/NDF: 1510252659

Right Out: 9.430+/-0.000 χ^2/NDF: 460573947349287664748937365260515409920/18

- sign -689.358+/-0.000 χ^2/NDF: 585853913395428

Left In: -1002.990+/-0.000 χ^2/NDF:26455973975624681130158981120/19

RTPPITA1CNT_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:0.0/21

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

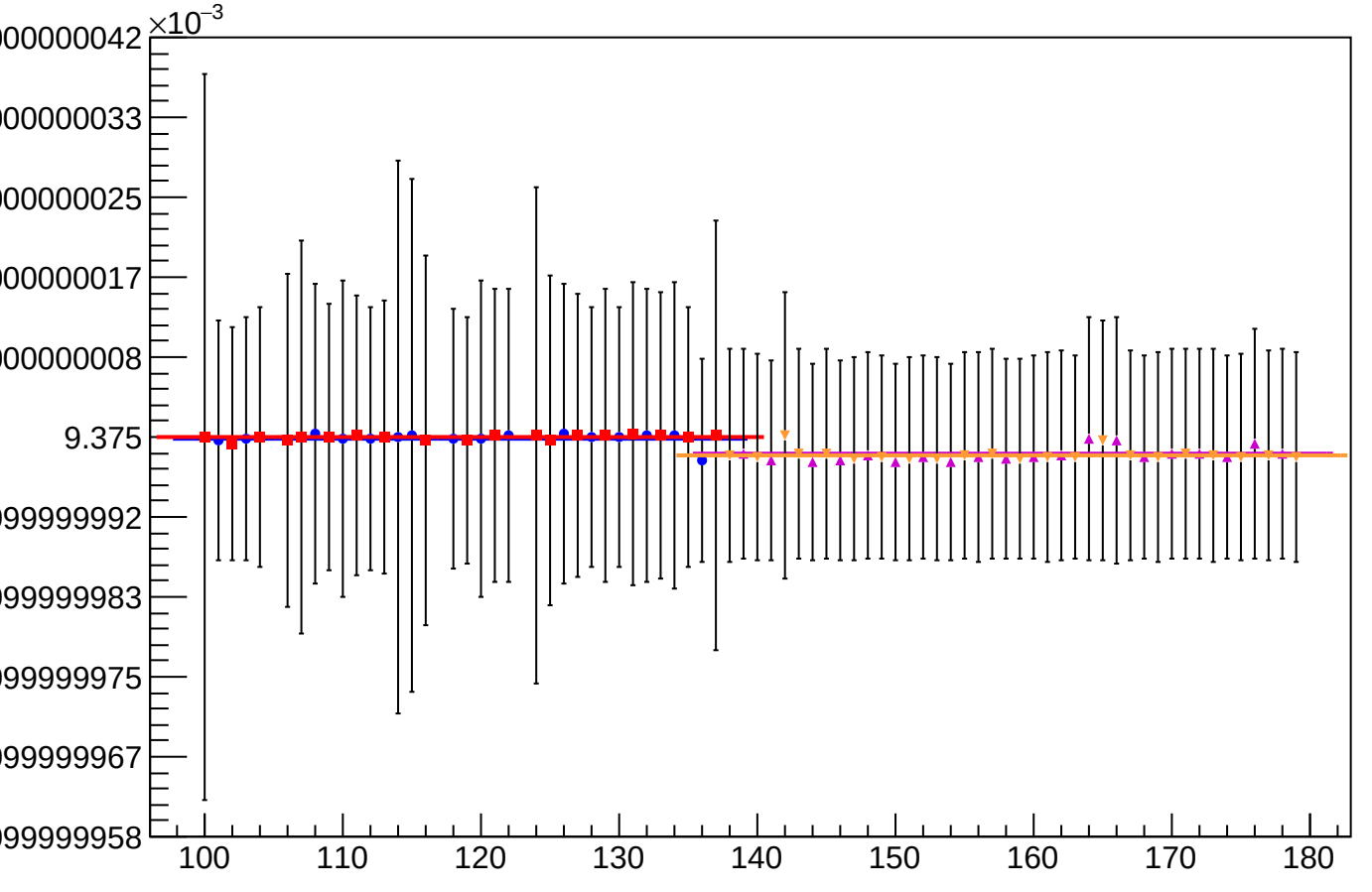
Left In: 0.009+/-0.000 χ^2/NDF:0.1/19

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/37

All: 0.009+/-0.000 χ^2/NDF: 0.5/76

- sign 0.009+/-0.000 χ^2/NDF: 0.3/38

RTPPITA2CNT_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:0.0/21

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: 0.009+/-0.000 χ^2/NDF:0.1/19

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/37

All: 0.009+/-0.000 χ^2/NDF: 0.5/76

- sign 0.009+/-0.000 χ^2/NDF: 0.3/38