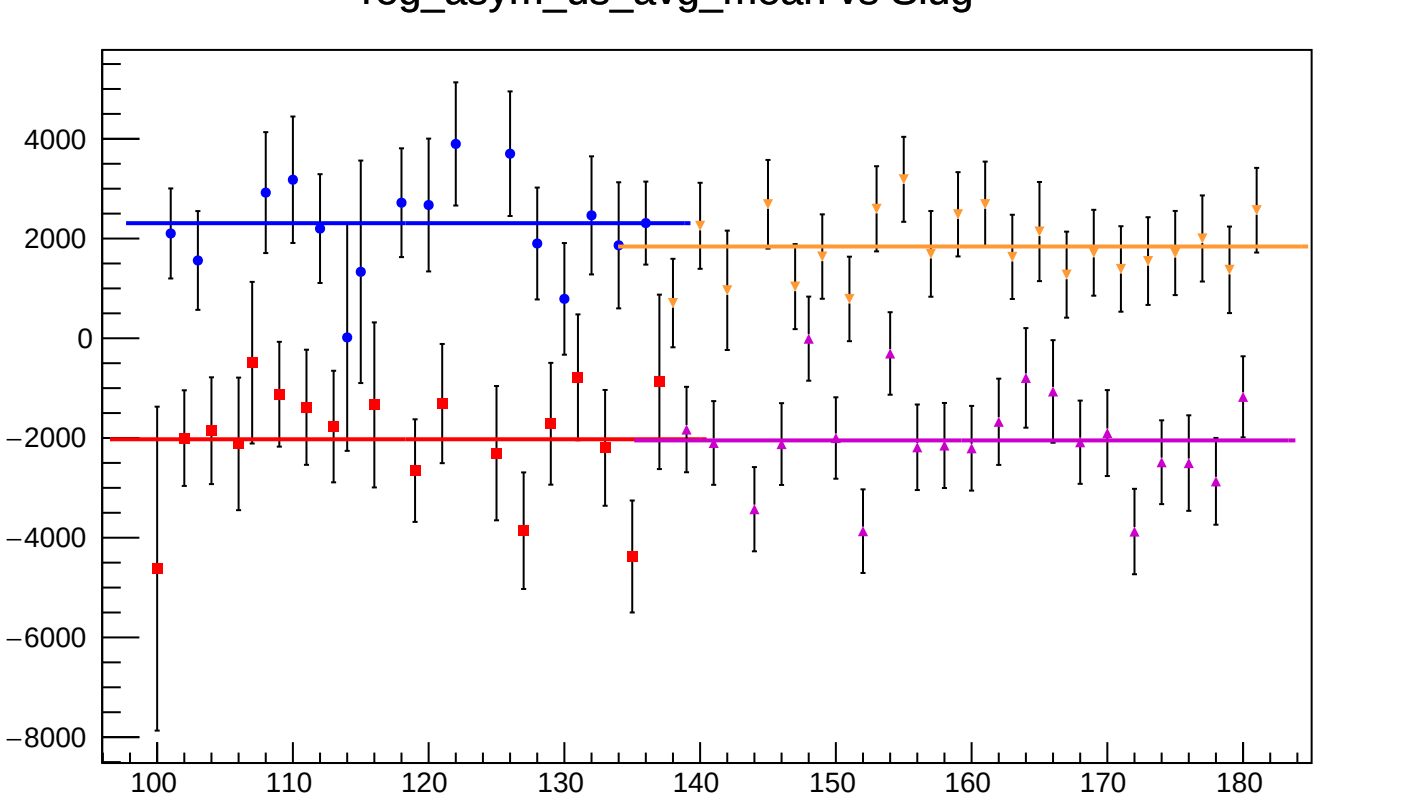


Right In: 2308.155+/-290.431 χ^2/NDF: 7.8/15

Left Out: 1840.349+/-186.242 χ^2/NDF:12.8/21

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

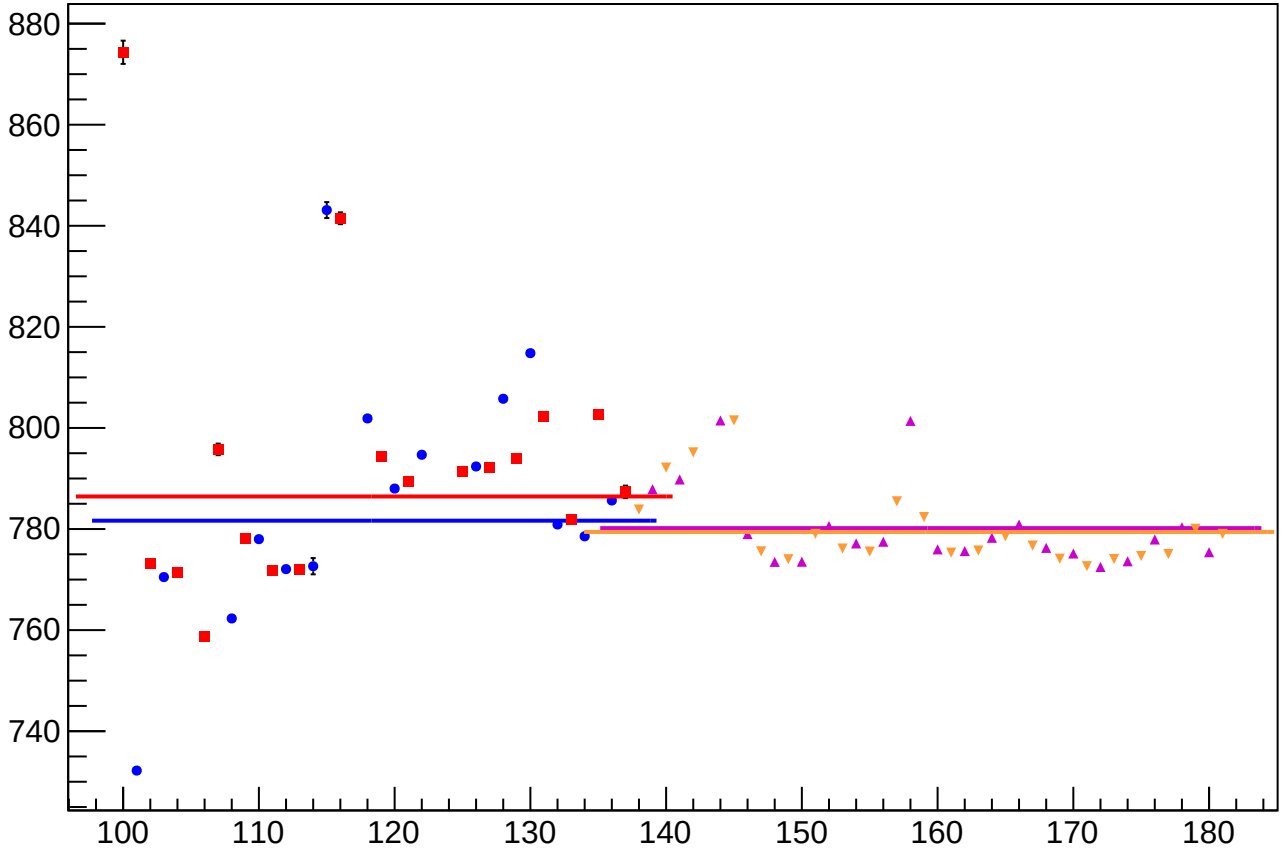
Left In: -2048.475+/-187.829 χ^2/NDF:27.6/20

+ sign 1976.663+/-156.776 χ^2/NDF: 22.4/37

All: -21.772+/-111.154 χ^2/NDF: 388.7/76

- sign -2041.716+/-157.618 χ^2/NDF: 39.6/38

reg_asym_us_avg_rms vs Slug



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

Left Out: 779.425+/-0.132 χ^2/NDF:2875.7/21

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

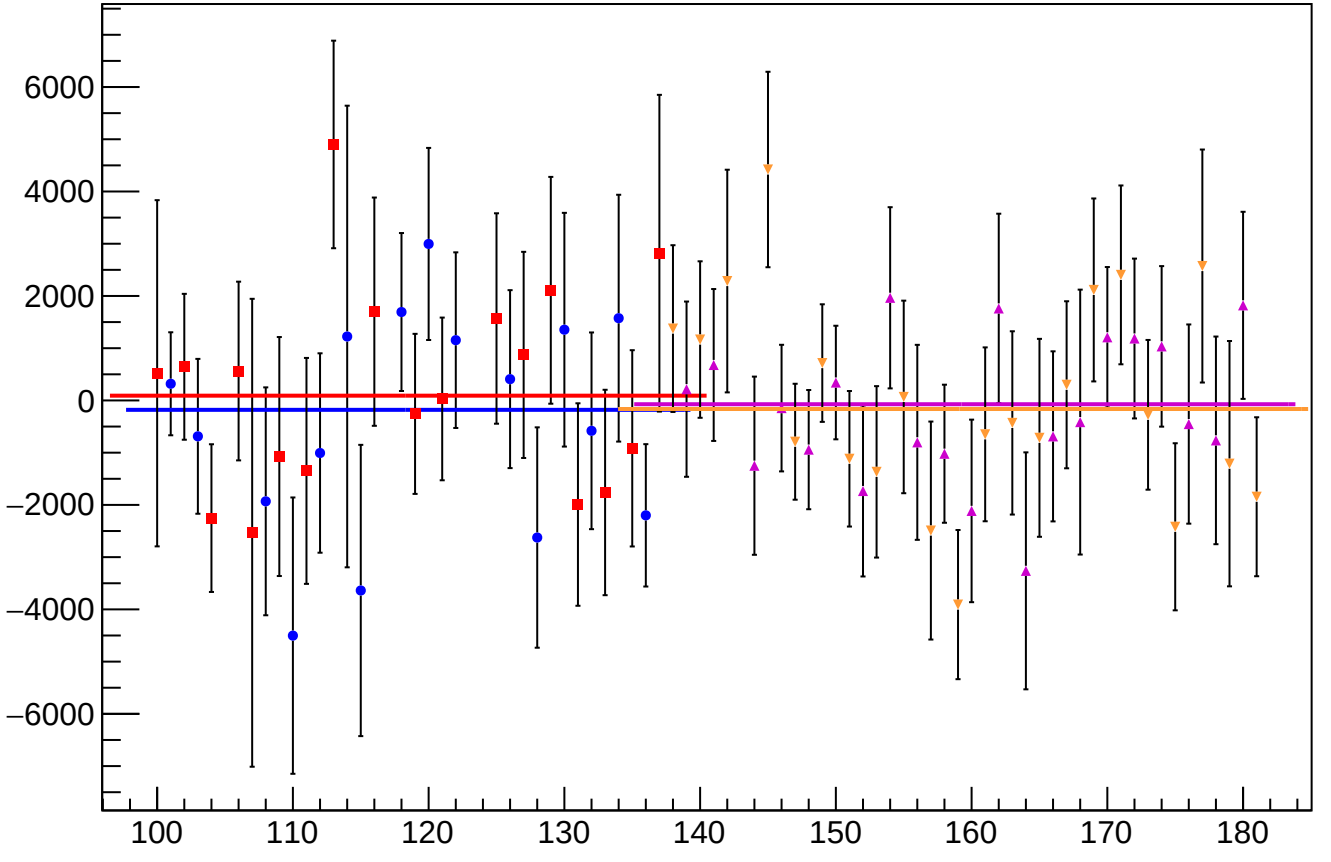
Left In: 780.179+/-0.133 χ^2/NDF:3829.0/20

\+ sign 780.075+/-0.111 χ^2/NDF: 15278.2/37

All: 781.048+/-0.079 χ^2/NDF: 27121.9/76

\- sign 782.032+/-0.111 χ^2/NDF: 11688.6/38

asym_us_avg_reg_correction_mean vs Slug



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

Left Out: -164.003+/-340.199 χ^2/NDF:28.3/21

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

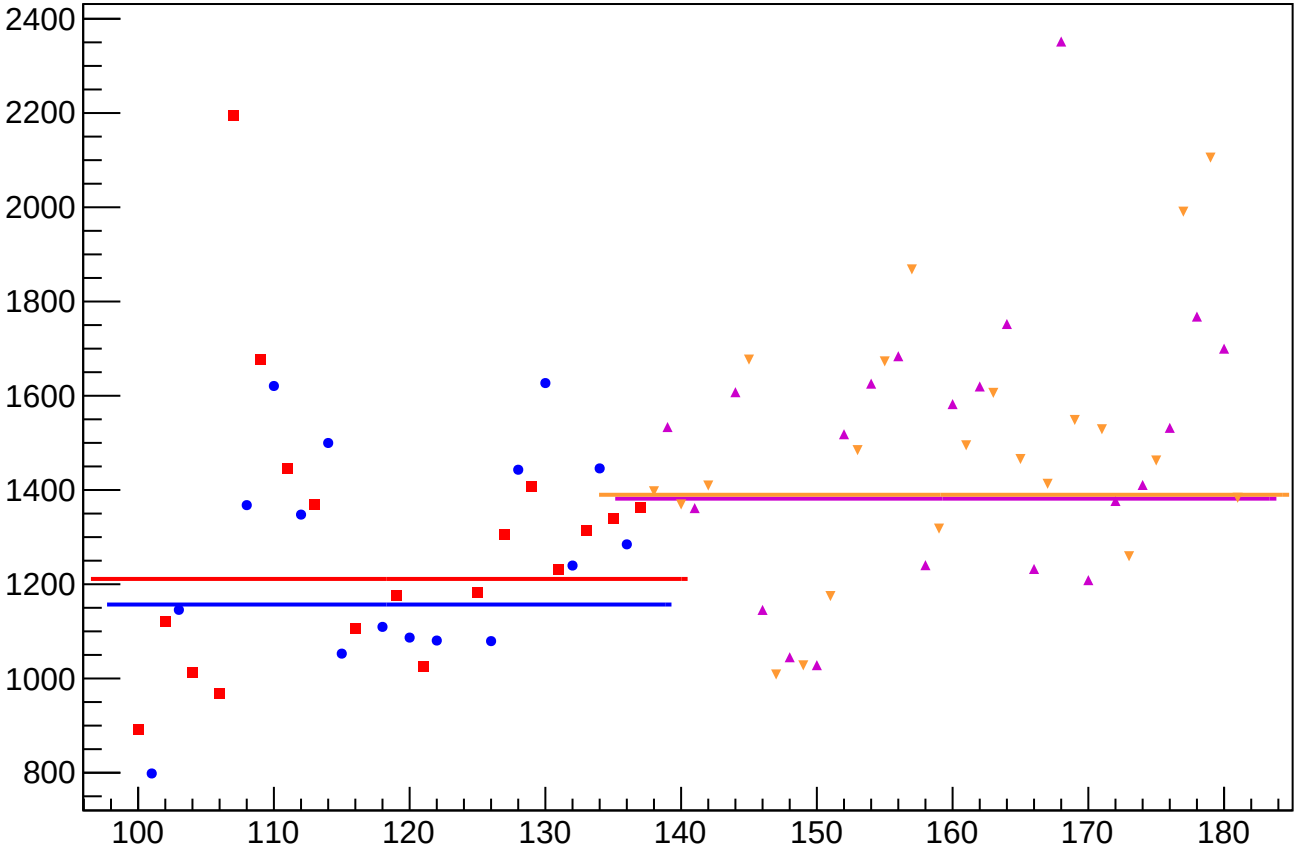
Left In: -72.497+/-340.311 χ^2/NDF:12.5/20

+ sign -169.948+/-269.312 χ^2/NDF: 43.7/37

All: -92.743+/-191.542 χ^2/NDF: 71.7/76

- sign -13.711+/-272.478 χ^2/NDF: 27.8/38

asym_us_avg_reg_correction_rms vs Slug



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

Left Out: 1389.895+/-0.241 χ^2/NDF:1132703.3/21

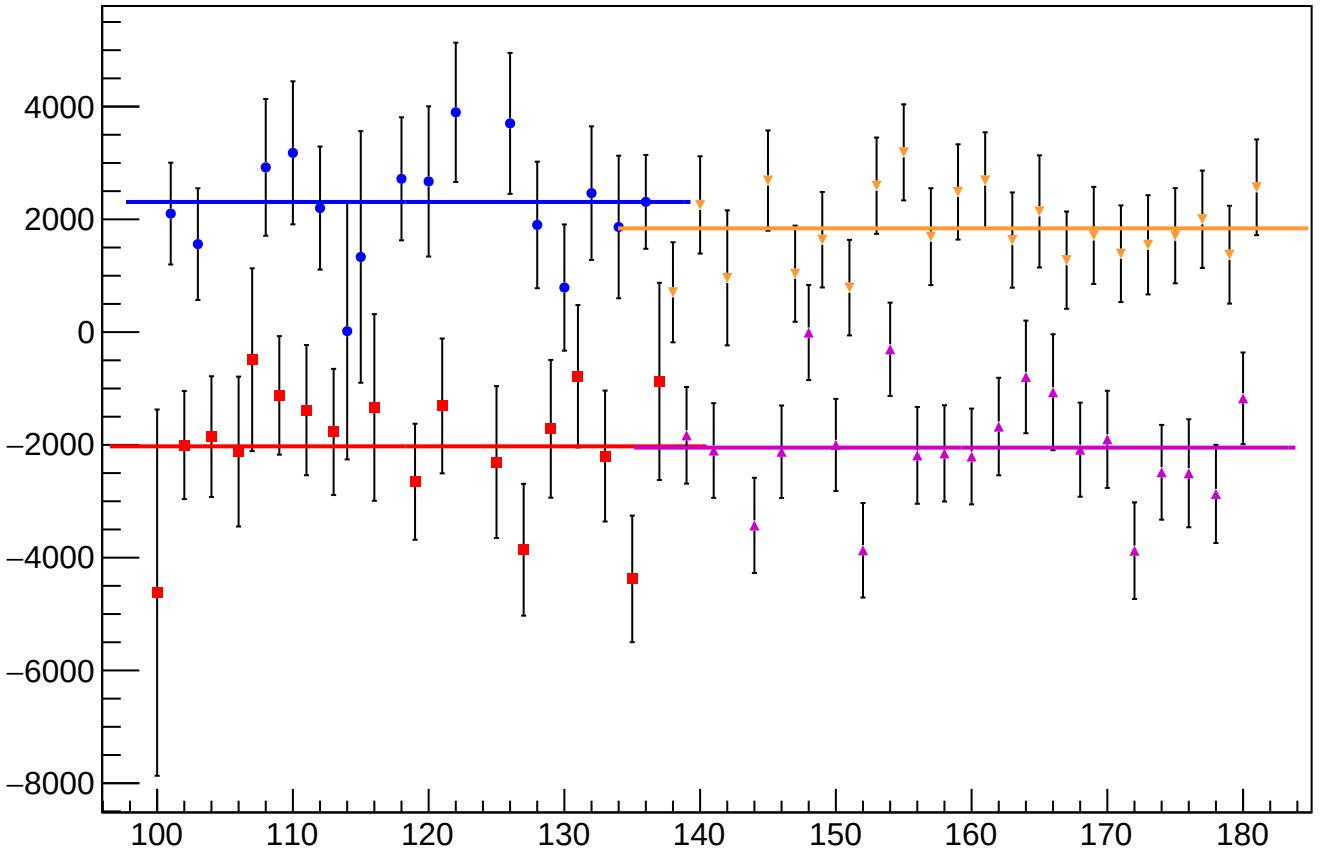
Right Out: 1211.264+/-0.322 χ^2/NDF: 397714.5/17

Left In: 1381.658+/-0.241 χ^2/NDF:1250674.4/20

+ sign 1302.931+/-0.190 χ^2/NDF: 2051898.6/37

All: 1311.613+/-0.135 χ^2/NDF: 3884458.4/76

- sign 1320.500+/-0.193 χ^2/NDF: 1828353.8/38



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

Left Out: 1840.349+/-186.242 χ^2/NDF:12.8/21

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

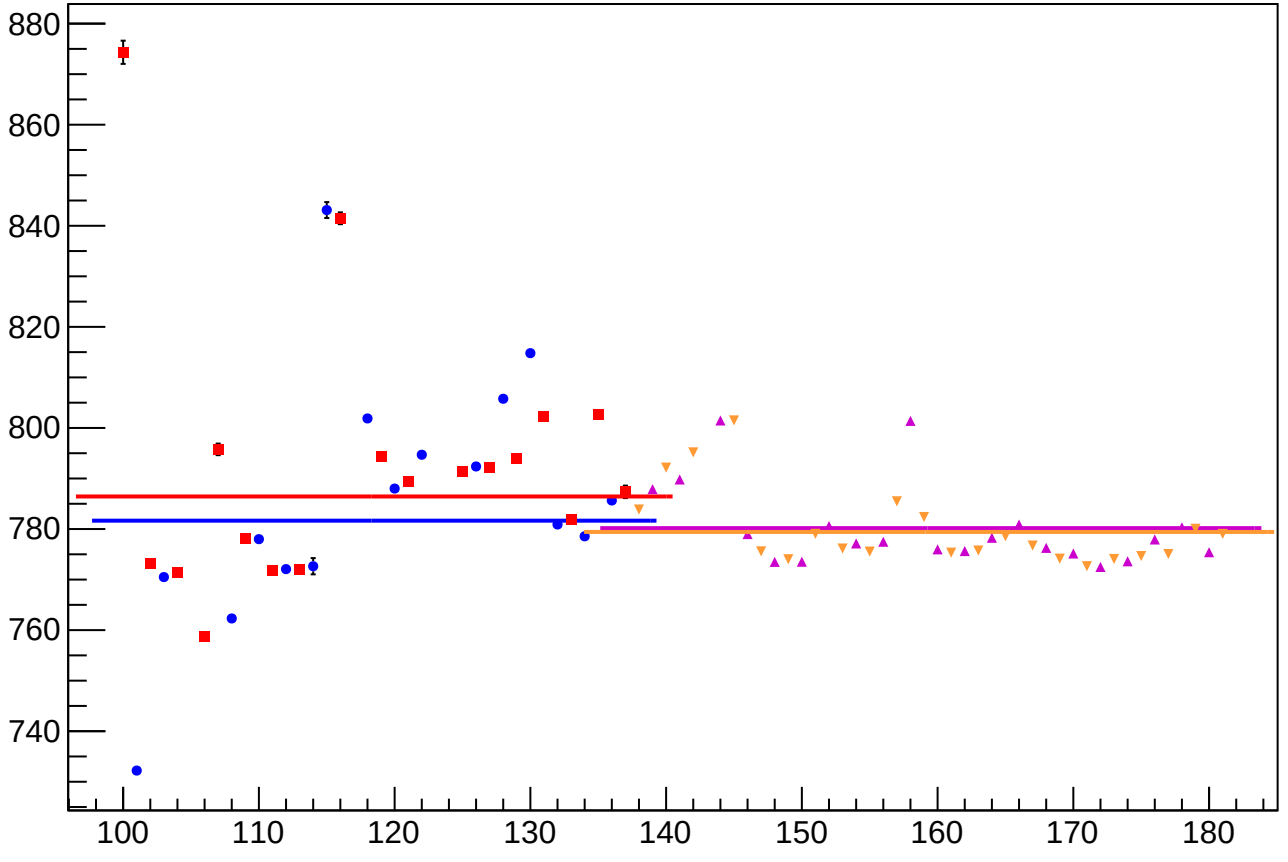
Left In: -2048.475+/-187.829 χ^2/NDF:27.6/20

+ sign 1976.663+/-156.776 χ^2/NDF: 22.4/37

All: -21.772+/-111.154 χ^2/NDF: 388.7/76

- sign -2041.716+/-157.618 χ^2/NDF: 39.6/38

cor_asym_us_avg_rms vs Slug



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

Left Out: 779.425+/-0.132 χ^2/NDF:2875.7/21

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

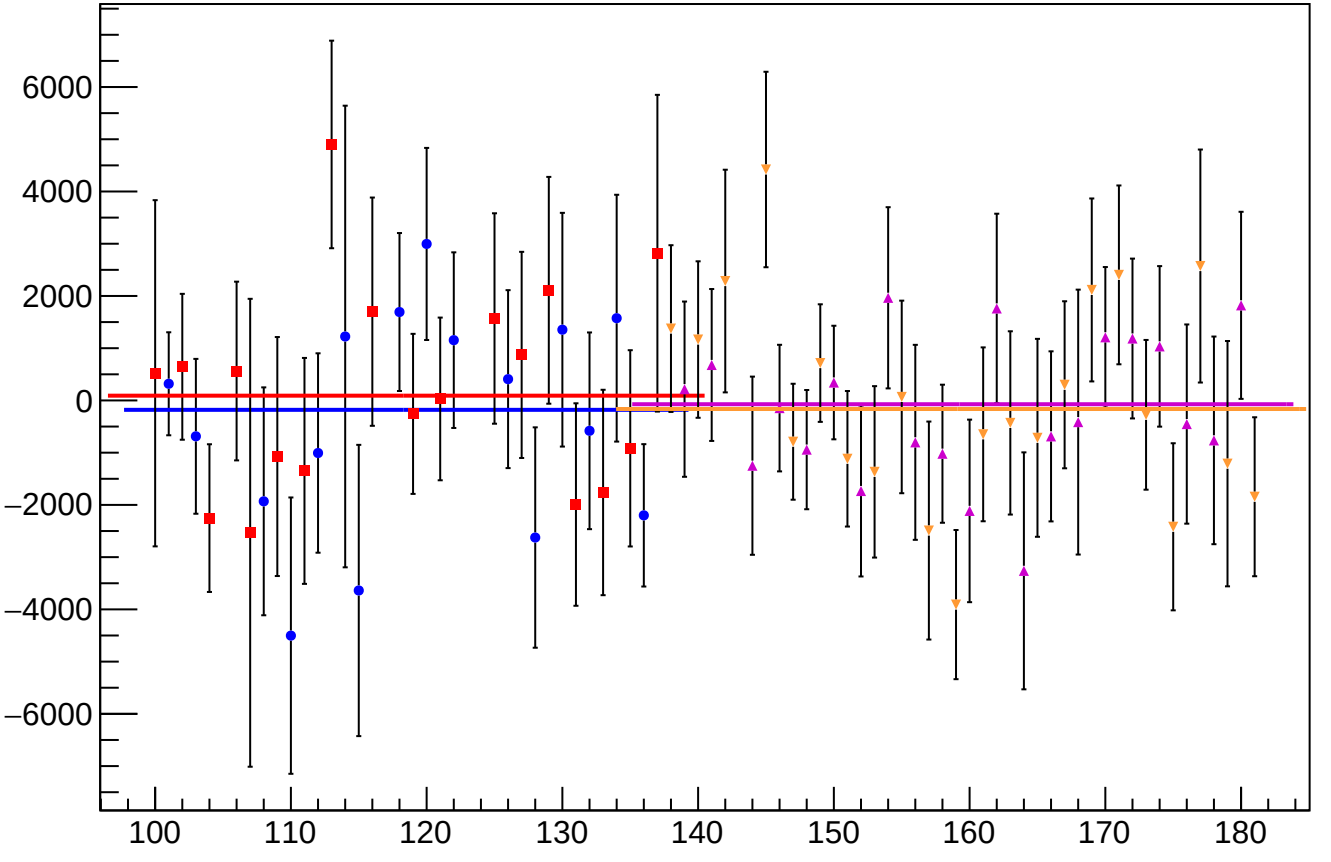
Left In: 780.179+/-0.133 χ^2/NDF:3829.0/20

+ sign 780.075+/-0.111 χ^2/NDF: 15278.2/37

All: 781.048+/-0.079 χ^2/NDF: 27121.9/76

- sign 782.032+/-0.111 χ^2/NDF: 11688.6/38

asym_us_avg_cor_correction_mean vs Slug



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

Left Out: -164.003+/-340.199 χ^2/NDF:28.3/21

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

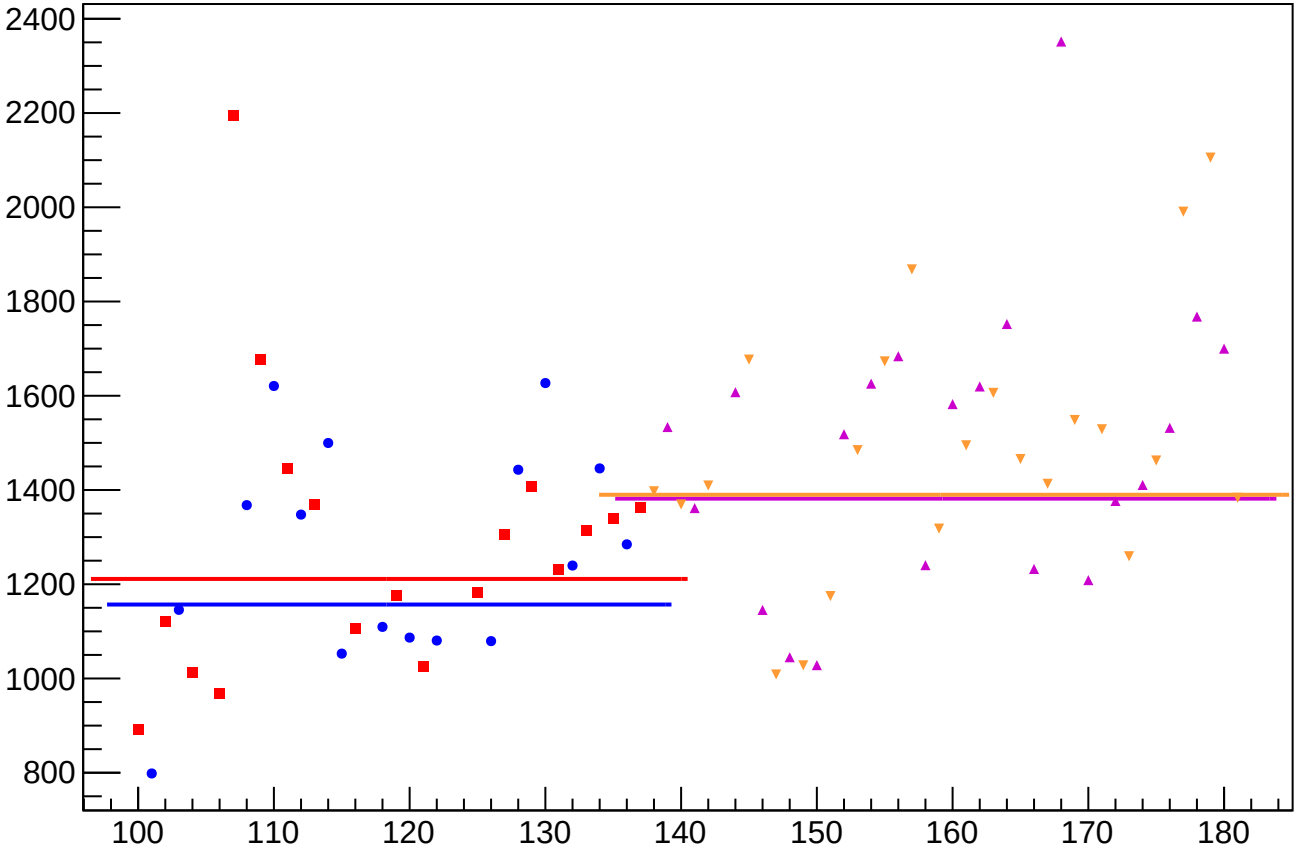
Left In: -72.497+/-340.311 χ^2/NDF:12.5/20

+ sign -169.948+/-269.312 χ^2/NDF: 43.7/37

All: -92.743+/-191.542 χ^2/NDF: 71.7/76

- sign -13.711+/-272.478 χ^2/NDF: 27.8/38

asym_us_avg_cor_correction_rms vs Slug



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

Left Out: 1389.895+/-0.241 χ^2/NDF:1132703.3/21

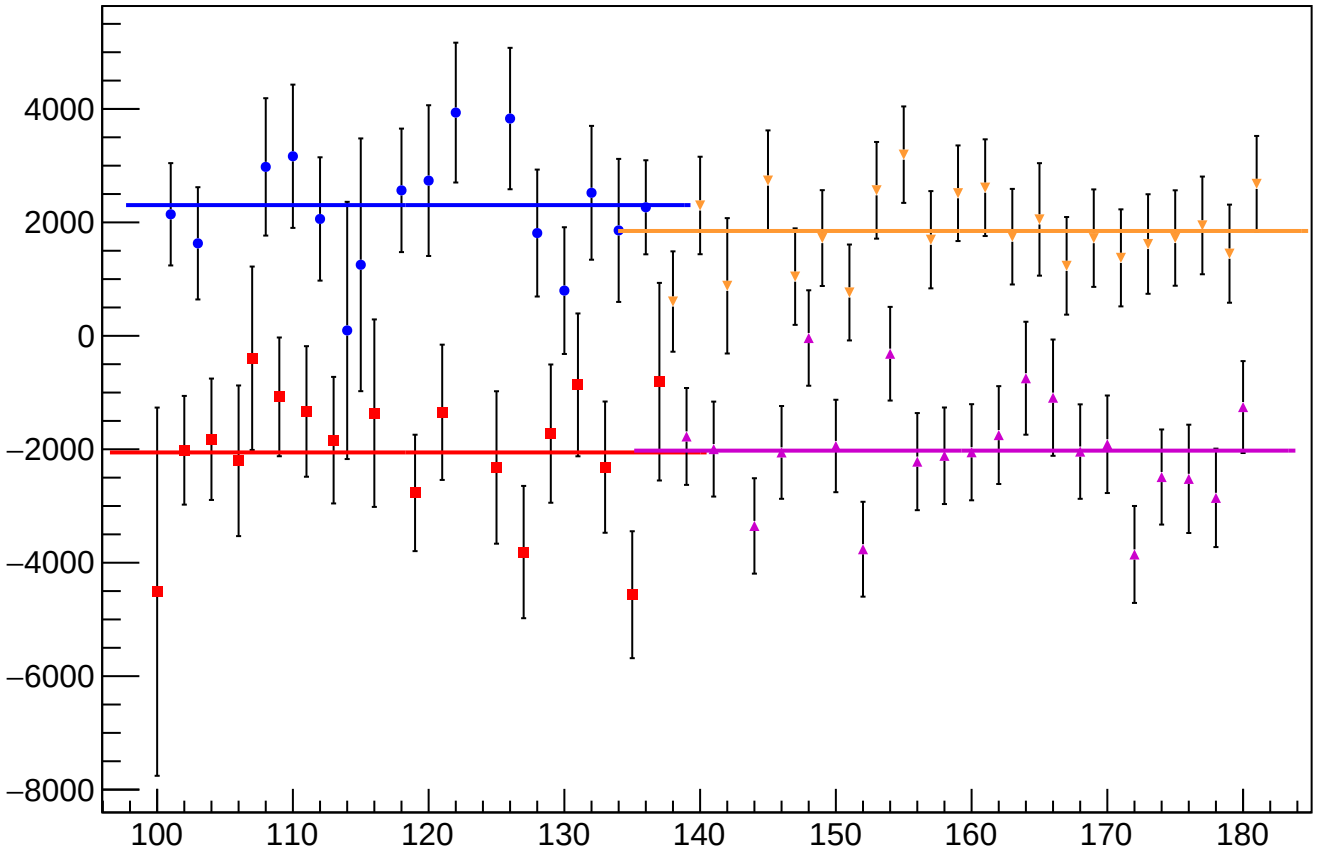
Right Out: 1211.264+/-0.322 χ^2/NDF: 397714.5/17

Left In: 1381.658+/-0.241 χ^2/NDF:1250674.4/20

+ sign 1302.931+/-0.190 χ^2/NDF: 2051898.6/37

All: 1311.613+/-0.135 χ^2/NDF: 3884458.4/76

- sign 1320.500+/-0.193 χ^2/NDF: 1828353.8/38



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

Left Out: 1848.667+/-185.725 χ^2/NDF:13.3/21

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

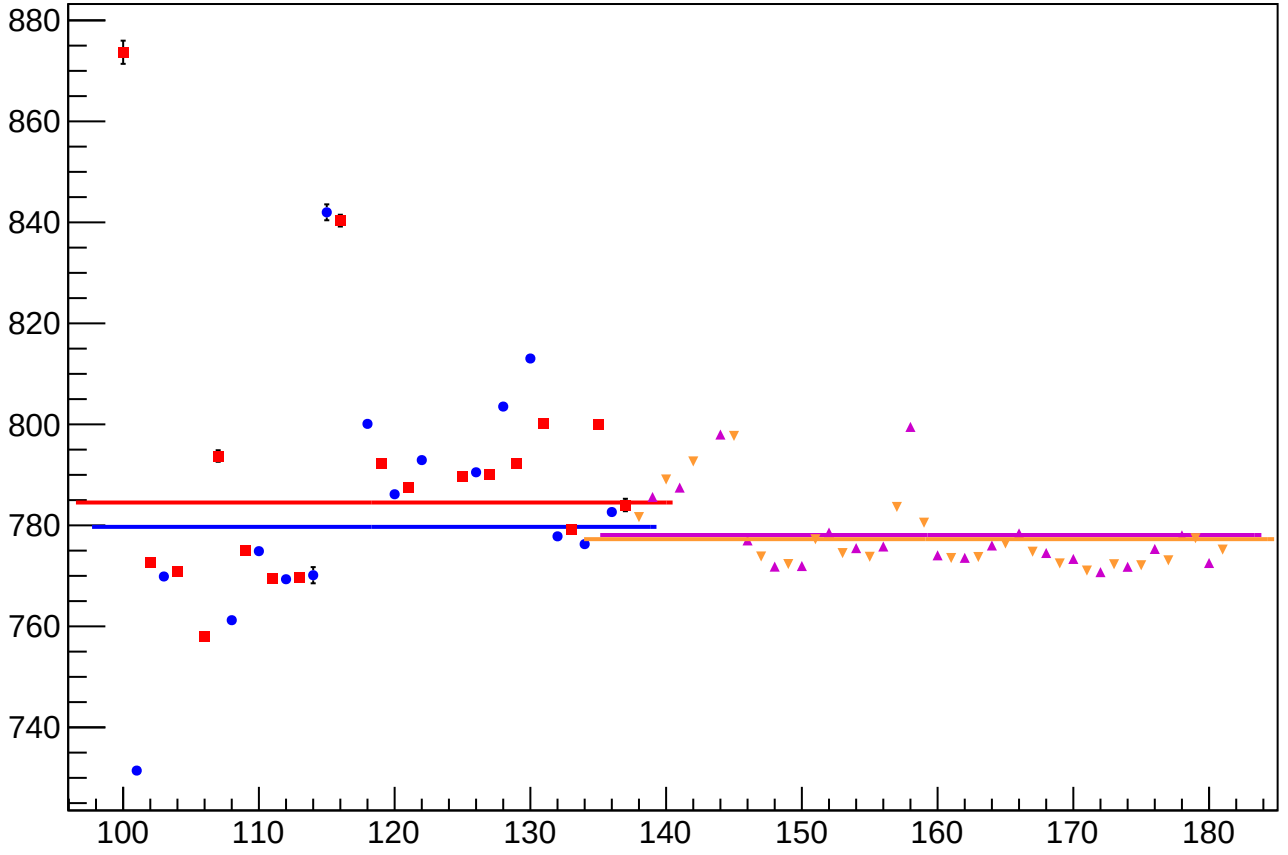
Left In: -2023.869+/-187.326 χ^2/NDF:26.4/20

+ sign 1981.544+/-156.354 χ^2/NDF: 23.2/37

All: -14.942+/-110.859 χ^2/NDF: 390.3/76

- sign -2033.272+/-157.207 χ^2/NDF: 39.3/38

overload_cor_asym_us_avg_rms vs Slug



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

Left Out: 777.269+/-0.131 χ^2/NDF:2582.1/21

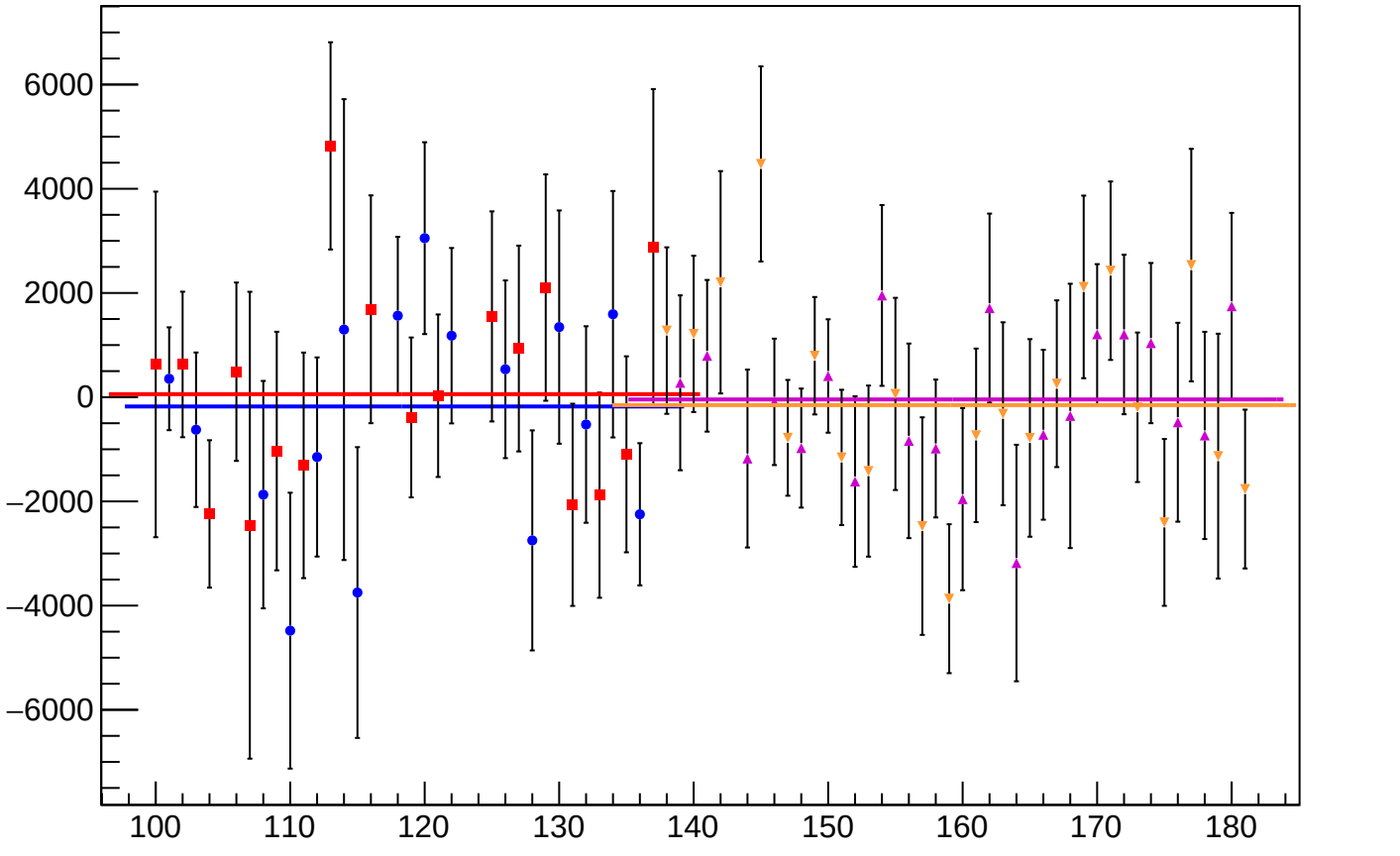
Right Out: 784.524+/-0.204 χ^2/NDF: 7160.0/17

Left In: 778.091+/-0.132 χ^2/NDF:3630.5/20

+ sign 777.978+/-0.111 χ^2/NDF: 14742.3/37

All: 778.980+/-0.078 χ^2/NDF: 26395.7/76

- sign 779.994+/-0.111 χ^2/NDF: 11488.1/38



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

Left Out: -152.247+/-340.518 χ^2/NDF:28.2/21

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

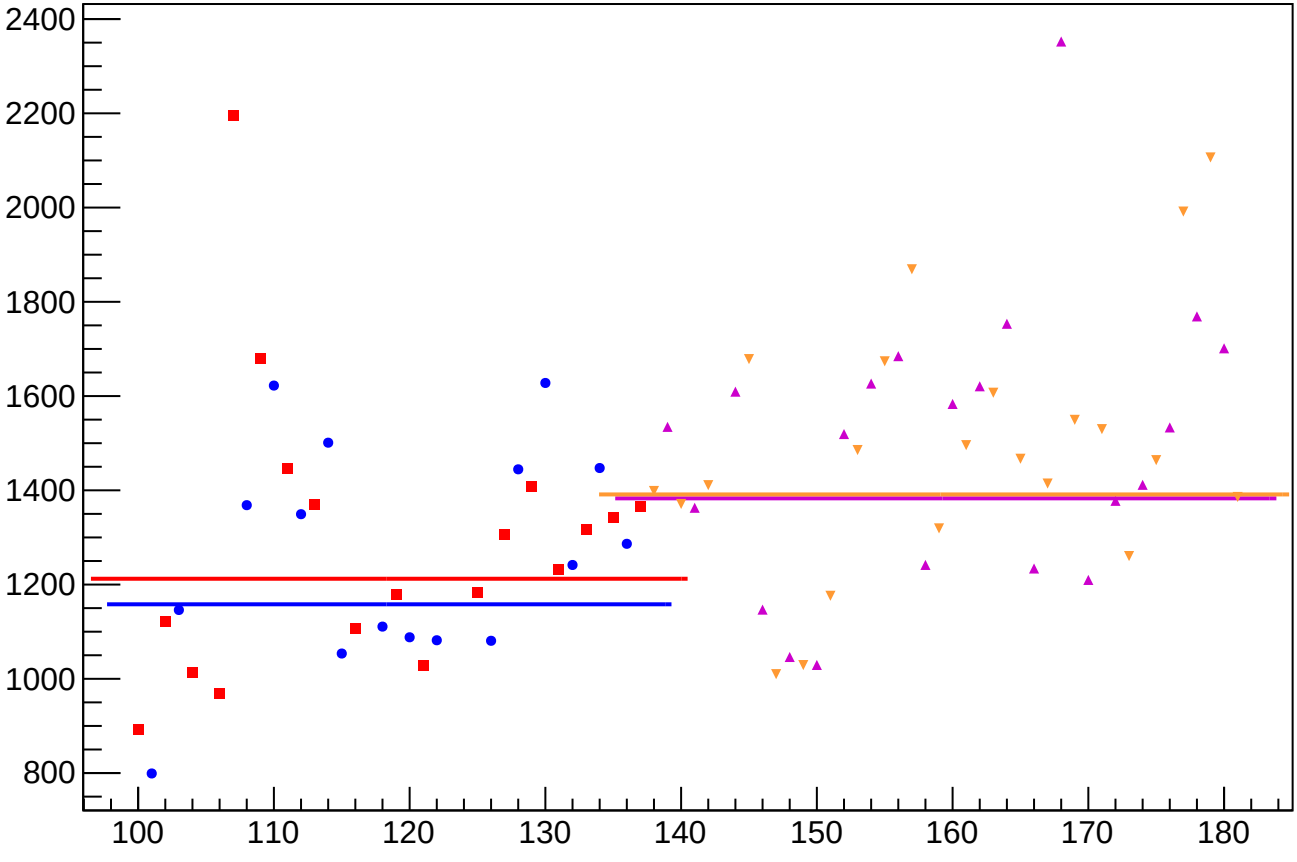
Left In: -43.767+/-340.615 χ^2/NDF:12.0/20

+ sign -162.031+/-269.572 χ^2/NDF: 43.9/37

All: -85.528+/-191.720 χ^2/NDF: 71.3/76

- sign -7.226+/-272.721 χ^2/NDF: 27.3/38

asym_us_avg_overload_cor_correction_rms vs Slug



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

Left Out: 1391.286+/-0.241 χ^2/NDF:1129838.2/21

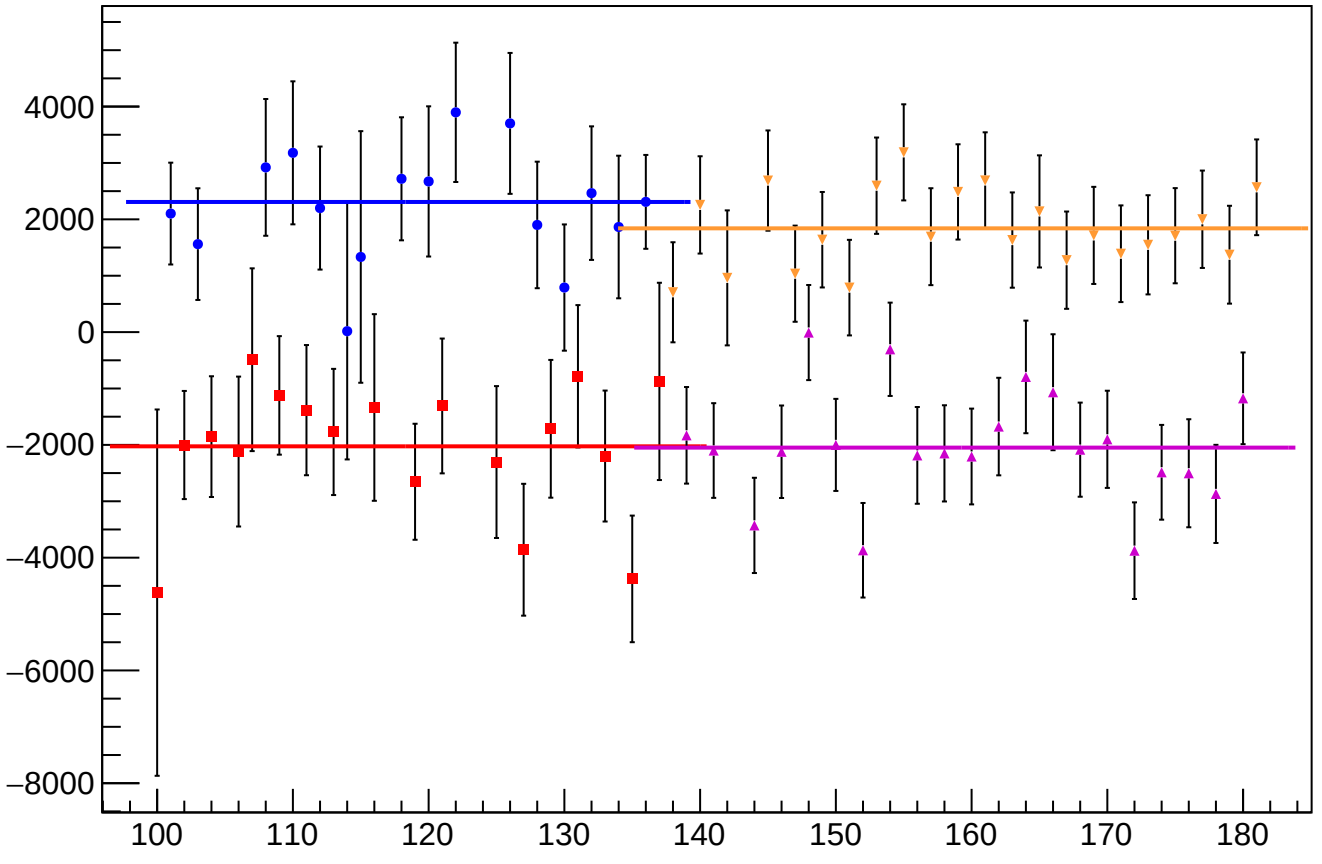
Right Out: 1212.347+/-0.322 χ^2/NDF: 397938.1/17

Left In: 1382.960+/-0.241 χ^2/NDF:1247939.8/20

+ sign 1304.253+/-0.191 χ^2/NDF: 2048985.9/37

All: 1312.887+/-0.136 χ^2/NDF: 3879122.4/76

- sign 1321.723+/-0.193 χ^2/NDF: 1825985.5/38



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

Left Out: 1840.349+/-186.242 χ^2/NDF:12.8/21

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

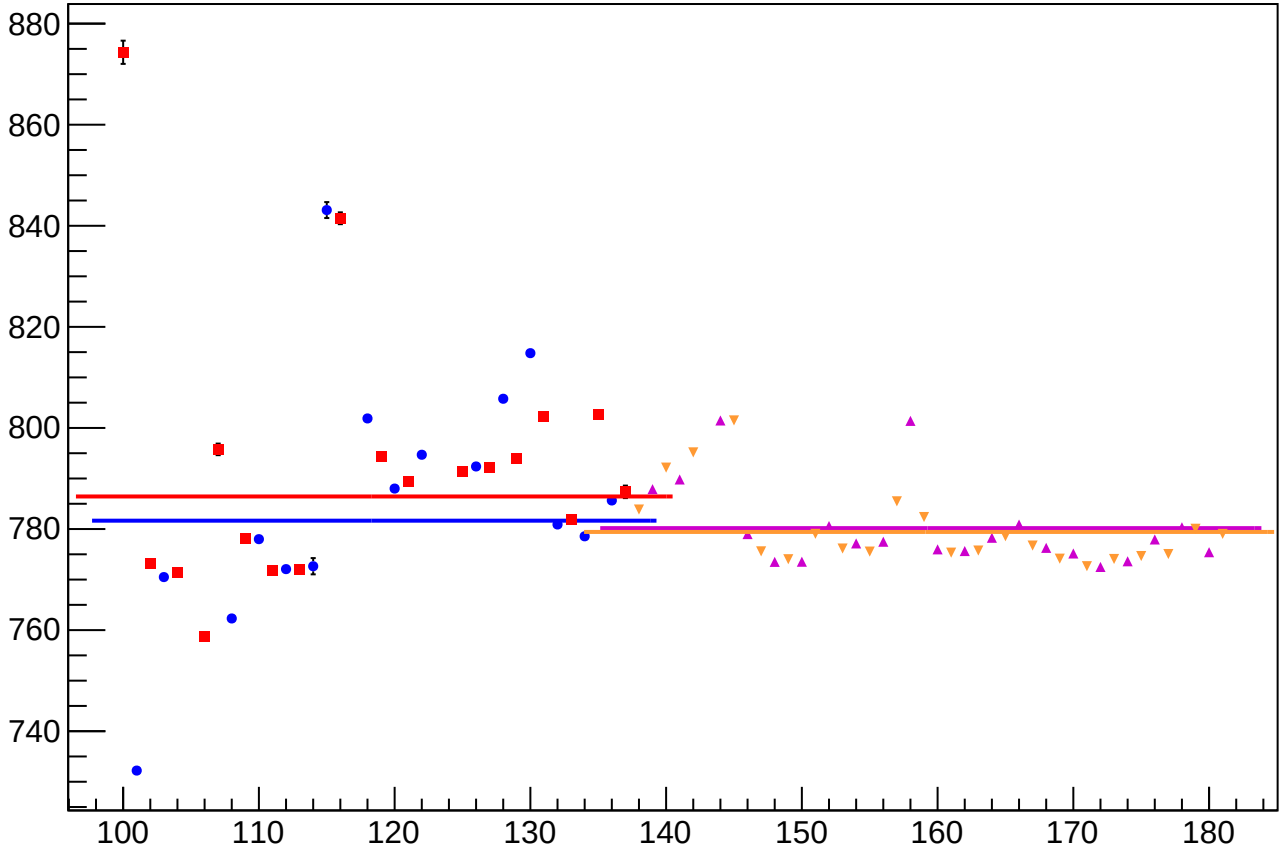
Left In: -2048.475+/-187.829 χ^2/NDF:27.6/20

+ sign 1976.663+/-156.776 χ^2/NDF: 22.4/37

All: -21.772+/-111.154 χ^2/NDF: 388.7/76

- sign -2041.716+/-157.618 χ^2/NDF: 39.6/38

eigen_cor_asym_us_avg_rms vs Slug



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

Left Out: 779.425+/-0.132 χ^2/NDF:2875.7/21

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

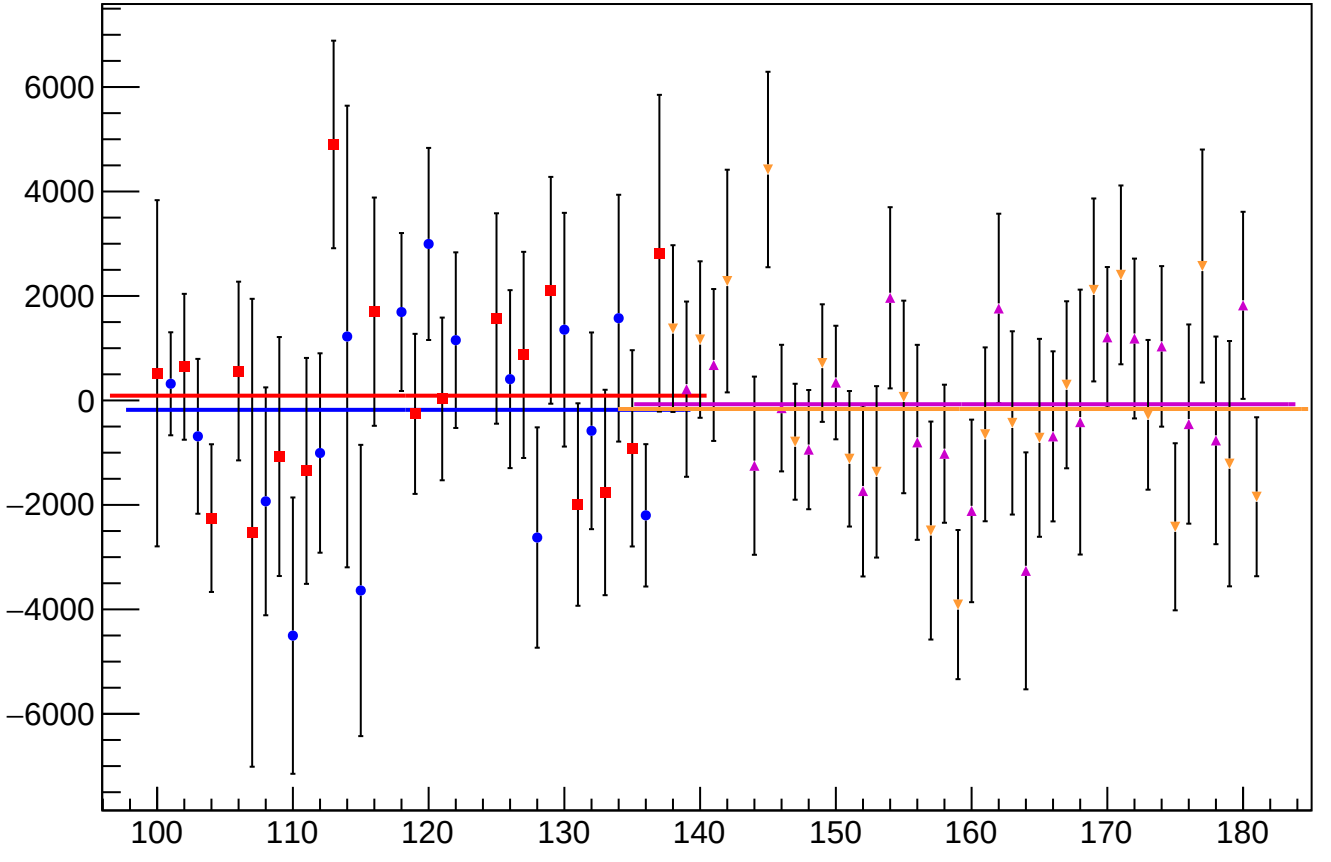
Left In: 780.179+/-0.133 χ^2/NDF:3829.0/20

+ sign 780.075+/-0.111 χ^2/NDF: 15278.2/37

All: 781.048+/-0.079 χ^2/NDF: 27121.9/76

- sign 782.032+/-0.111 χ^2/NDF: 11688.6/38

asym_us_avg_eigen_cor_correction_mean vs Slug



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

Left Out: -164.003+/-340.199 χ^2/NDF:28.3/21

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

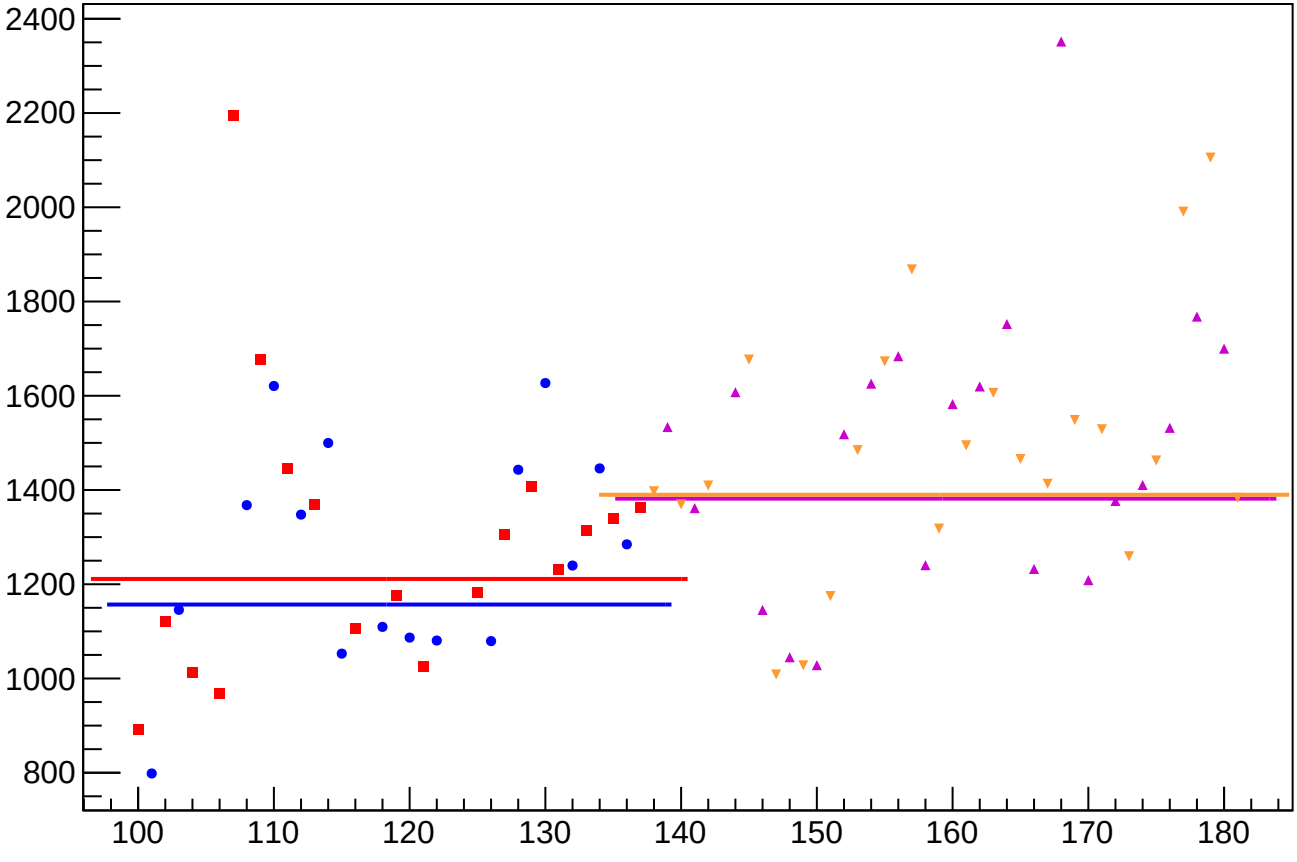
Left In: -72.497+/-340.311 χ^2/NDF:12.5/20

+ sign -169.948+/-269.312 χ^2/NDF: 43.7/37

All: -92.743+/-191.542 χ^2/NDF: 71.7/76

- sign -13.711+/-272.478 χ^2/NDF: 27.8/38

asym_us_avg_eigen_cor_correction_rms vs Slug



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

Left Out: 1389.895+/-0.241 χ^2/NDF:1132703.3/21

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

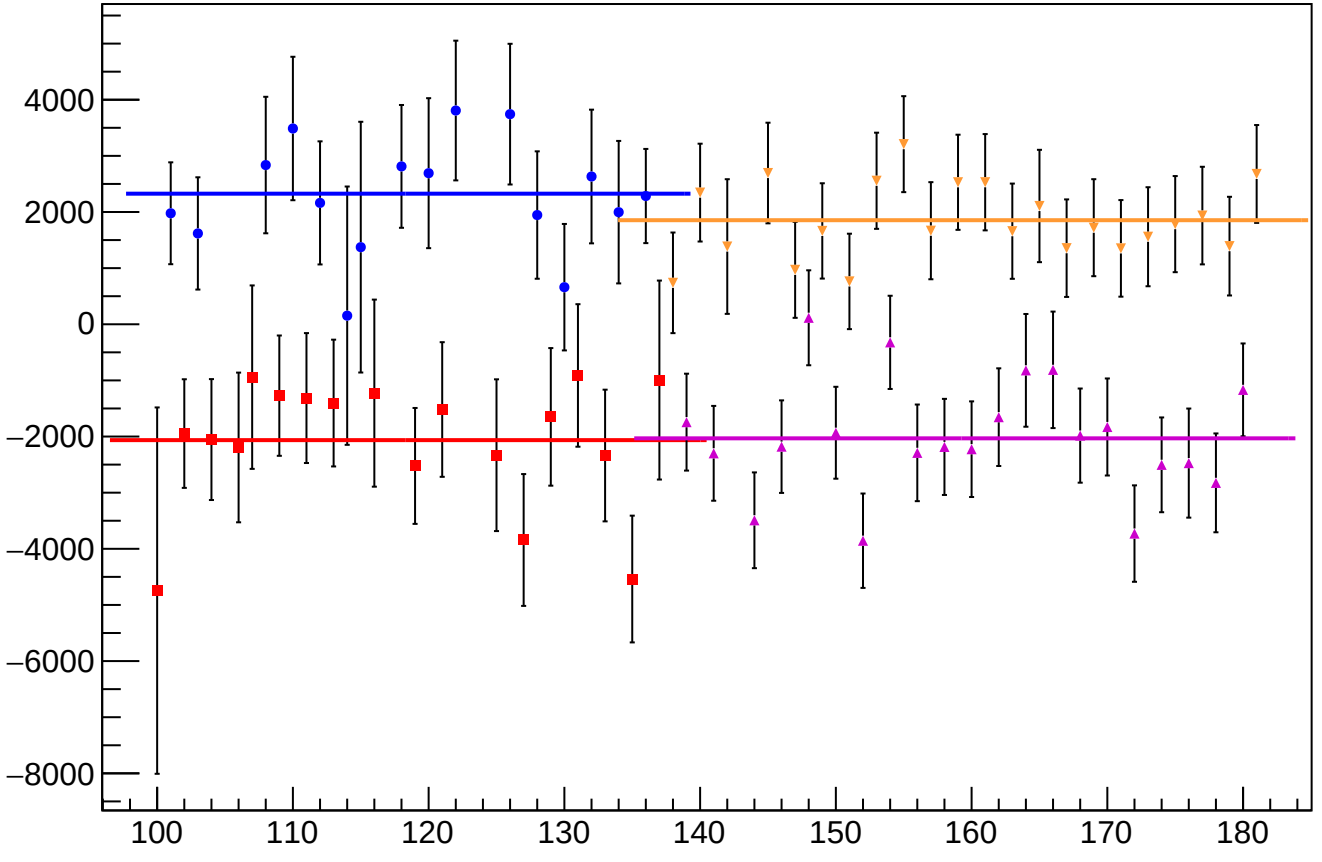
Left In: 1381.658+/-0.241 χ^2/NDF:1250674.4/20

+ sign 1302.931+/-0.190 χ^2/NDF: 2051898.6/37

All: 1311.613+/-0.135 χ^2/NDF: 3884458.4/76

- sign 1320.500+/-0.193 χ^2/NDF: 1828353.8/38

dit_asym_us_avg_mean vs Slug



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

Left Out: 1853.957+/-187.493 χ^2/NDF:12.3/21

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

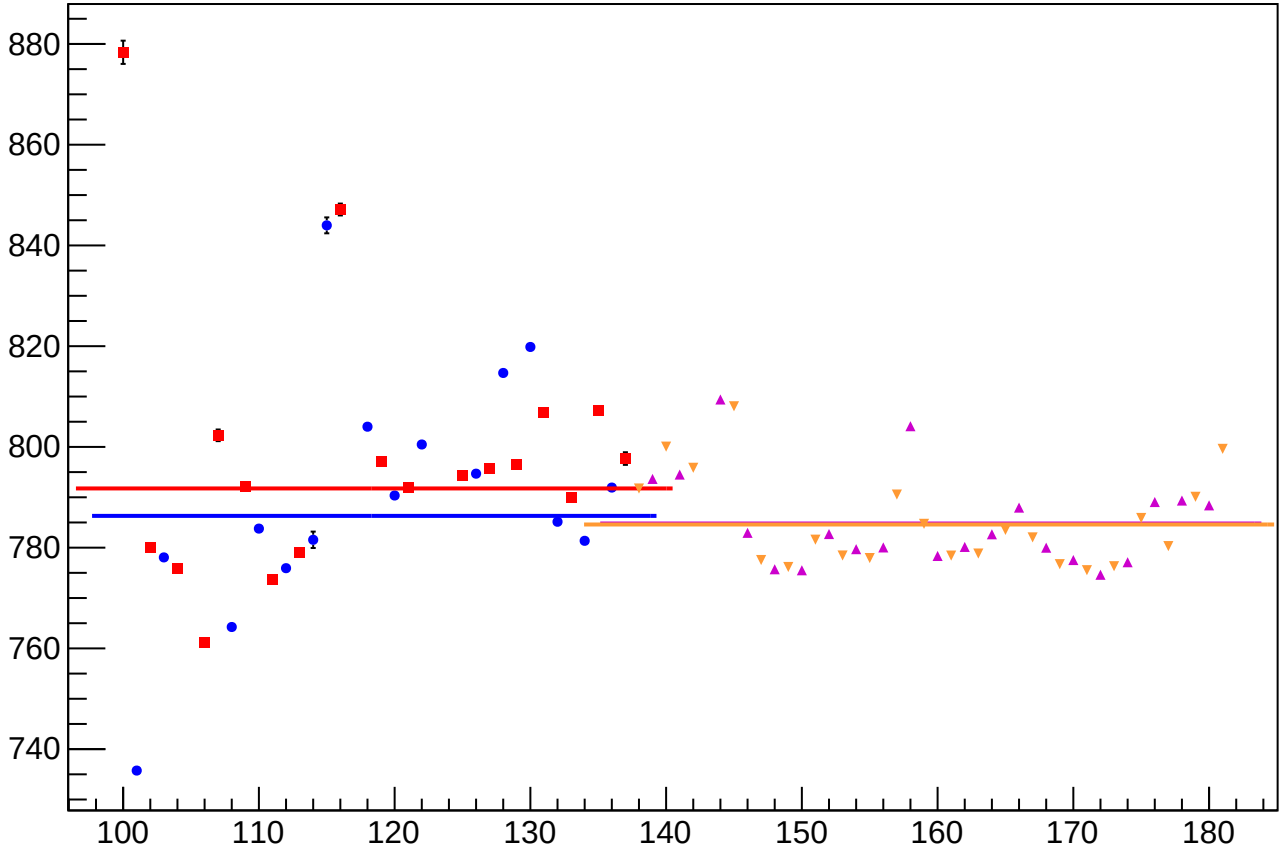
Left In: -2032.053+/-188.950 χ^2/NDF:28.2/20

+ sign 1991.768+/-157.797 χ^2/NDF: 22.3/37

All: -14.611+/-111.862 χ^2/NDF: 387.1/76

- sign -2041.484+/-158.601 χ^2/NDF: 39.8/38

dit_asym_us_avg_rms vs Slug



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

Left Out: 784.599+/-0.133 χ^2/NDF:4487.0/21

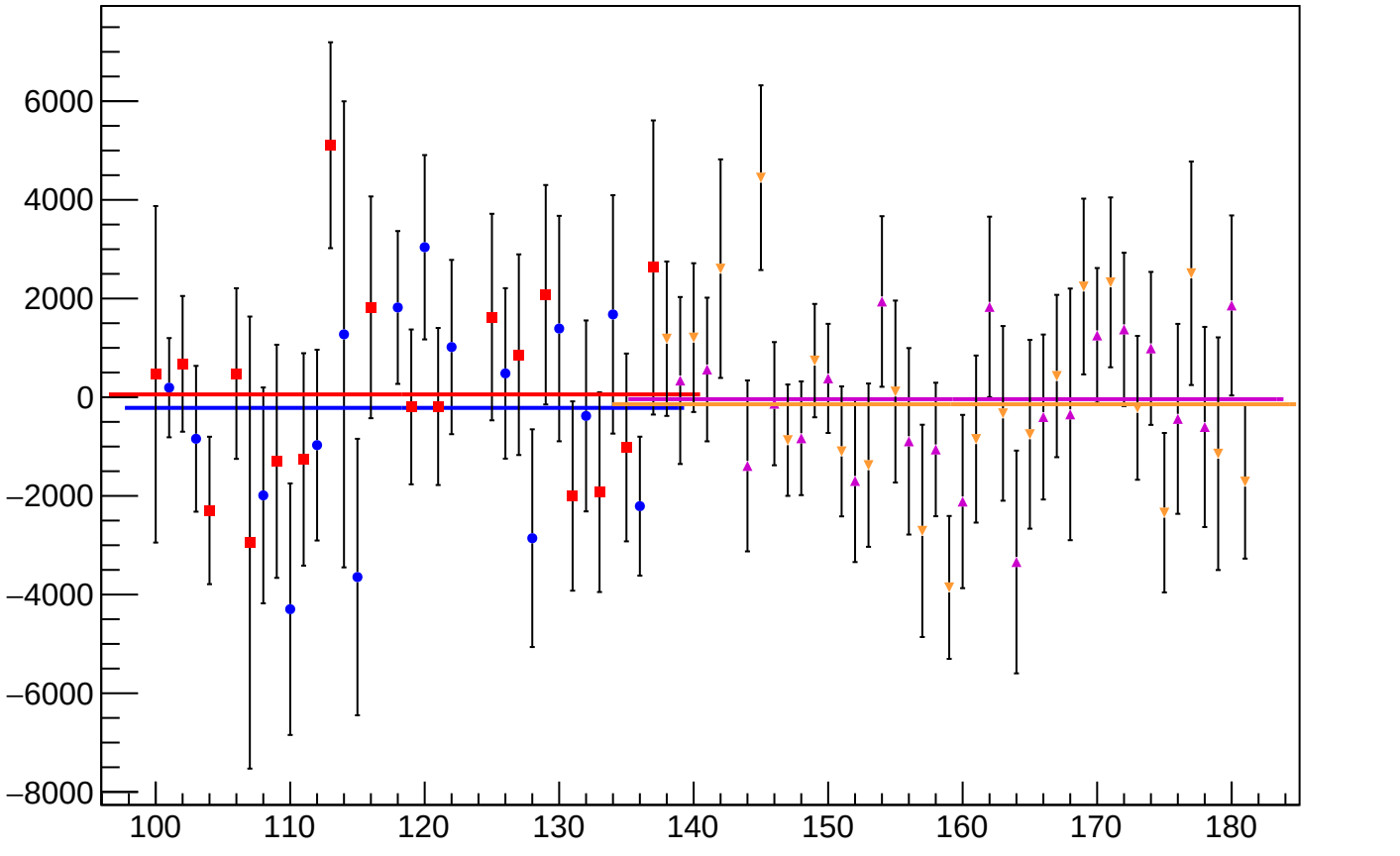
Right Out: 791.756+/-0.206 χ^2/NDF: 7015.1/17

Left In: 784.797+/-0.134 χ^2/NDF:4788.2/20

+ sign 785.098+/-0.112 χ^2/NDF: 17106.6/37

All: 785.971+/-0.079 χ^2/NDF: 29834.4/76

- sign 786.853+/-0.112 χ^2/NDF: 12604.7/38



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

Left Out: -142.731+/-344.794 χ^2/NDF:27.9/21

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

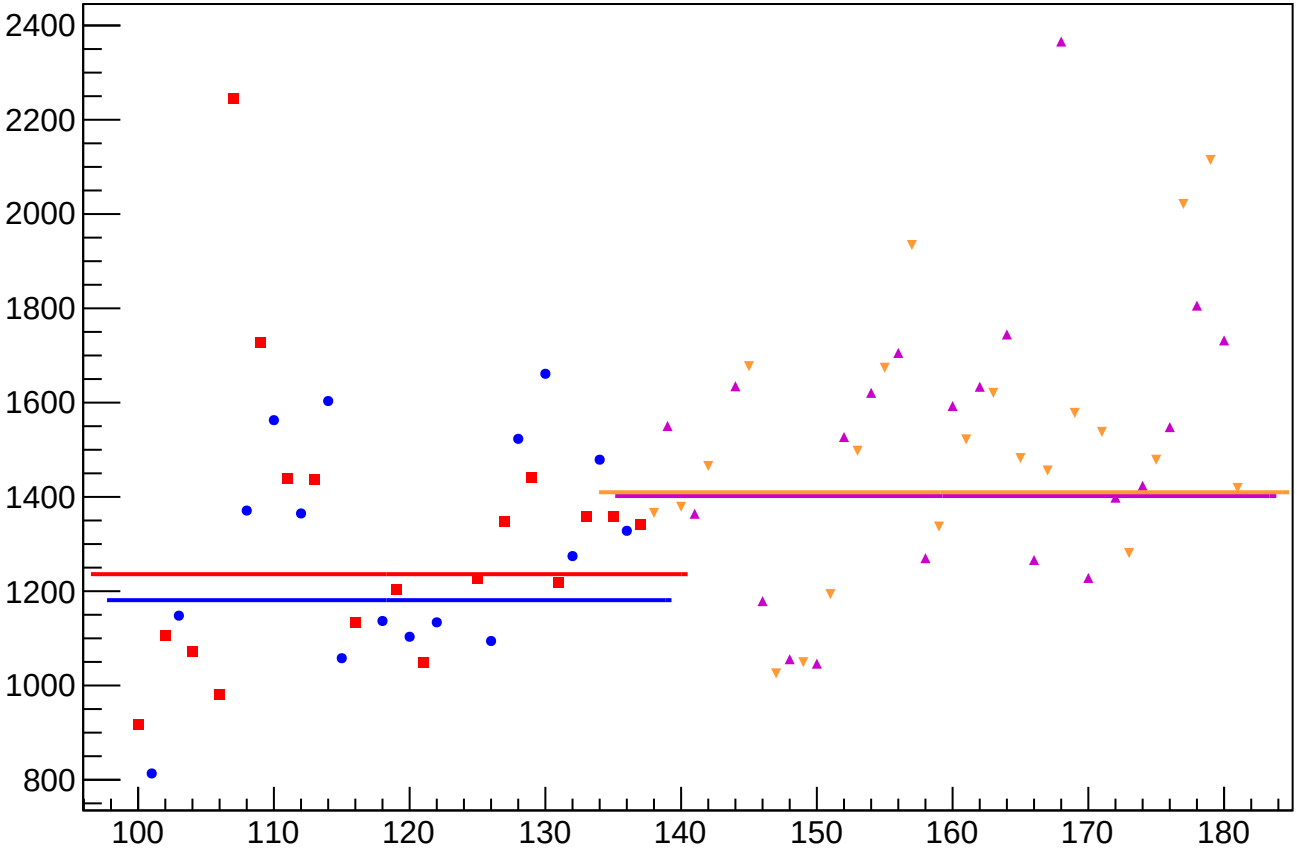
Left In: -39.371+/-344.885 χ^2/NDF:12.6/20

+ sign -169.938+/-273.587 χ^2/NDF: 43.2/37

All: -88.504+/-194.579 χ^2/NDF: 71.1/76

- sign -5.150+/-276.793 χ^2/NDF: 27.7/38

asym_us_avg_dit_correction_rms vs Slug



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

Left Out: 1409.878+/-0.244 χ^2/NDF:1112117.5/21

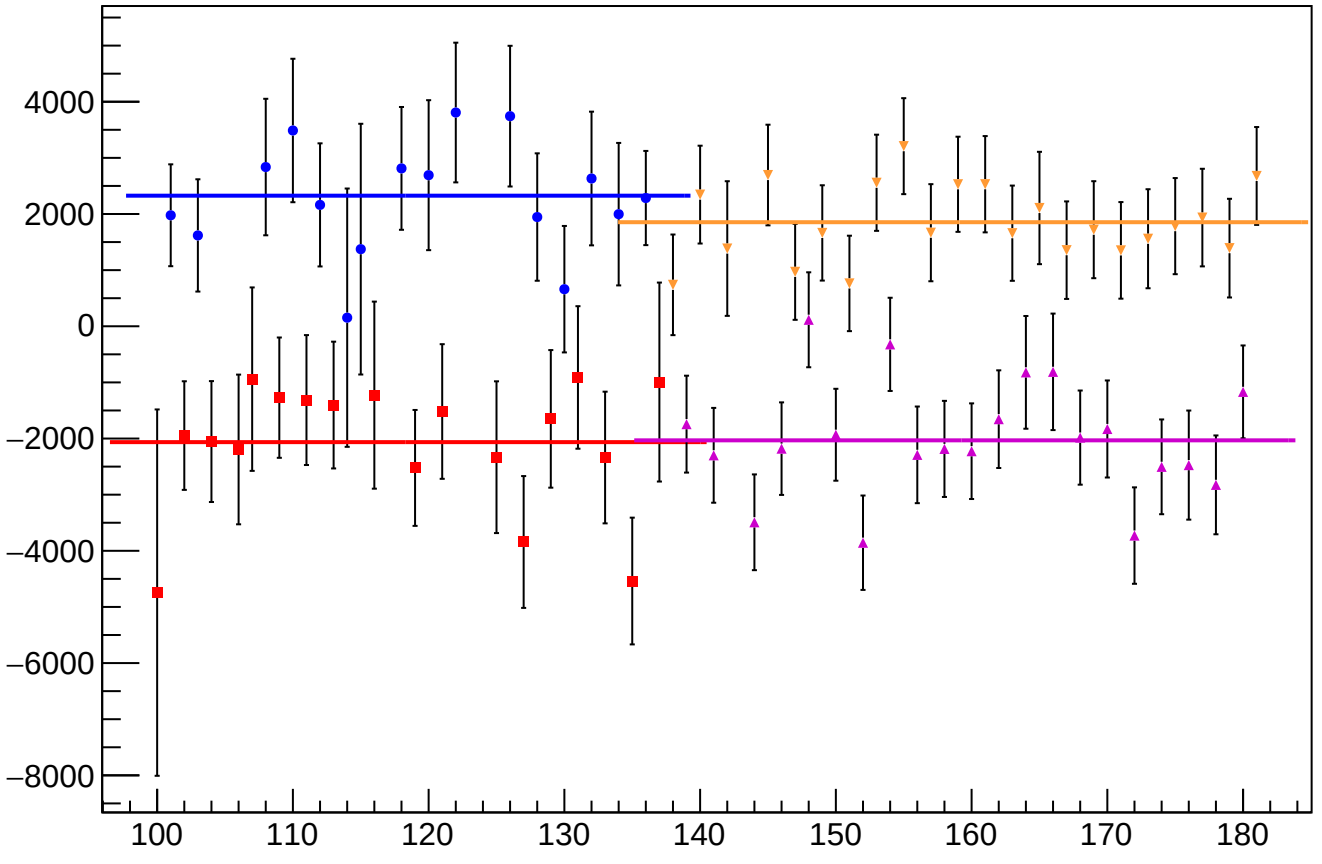
Right Out: 1236.134+/-0.328 χ^2/NDF: 397242.2/17

Left In: 1401.857+/-0.244 χ^2/NDF:1207958.6/20

+ sign 1325.103+/-0.193 χ^2/NDF: 2009652.1/37

All: 1333.887+/-0.138 χ^2/NDF: 3783372.1/76

- sign 1342.878+/-0.196 χ^2/NDF: 1769547.7/38



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

Left Out: 1853.954+/-187.493 χ^2/NDF:12.3/21

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

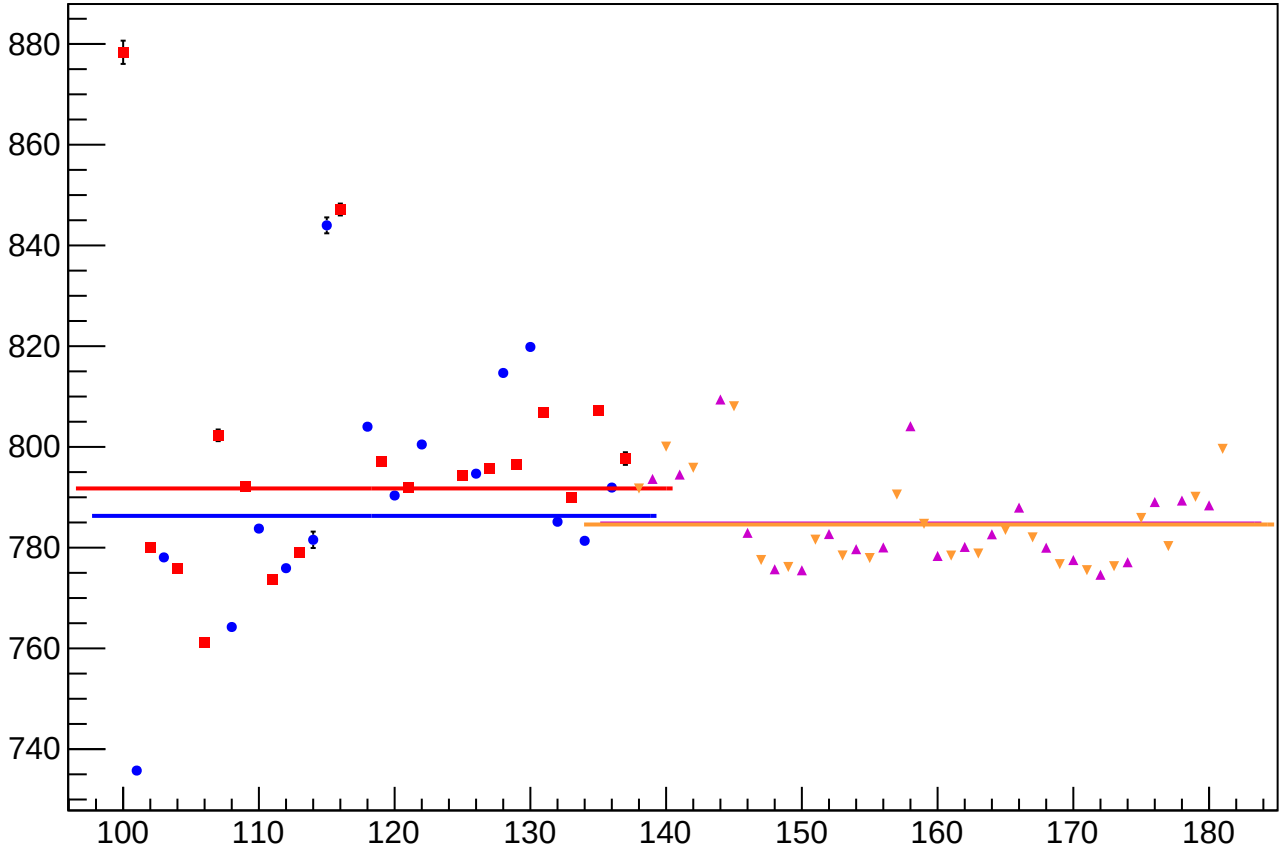
Left In: -2032.054+/-188.950 χ^2/NDF:28.2/20

+ sign 1991.767+/-157.797 χ^2/NDF: 22.3/37

All: -14.612+/-111.862 χ^2/NDF: 387.1/76

- sign -2041.484+/-158.601 χ^2/NDF: 39.8/38

eigen_dit_asym_us_avg_rms vs Slug



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

Left Out: 784.599+/-0.133 χ^2/NDF:4486.9/21

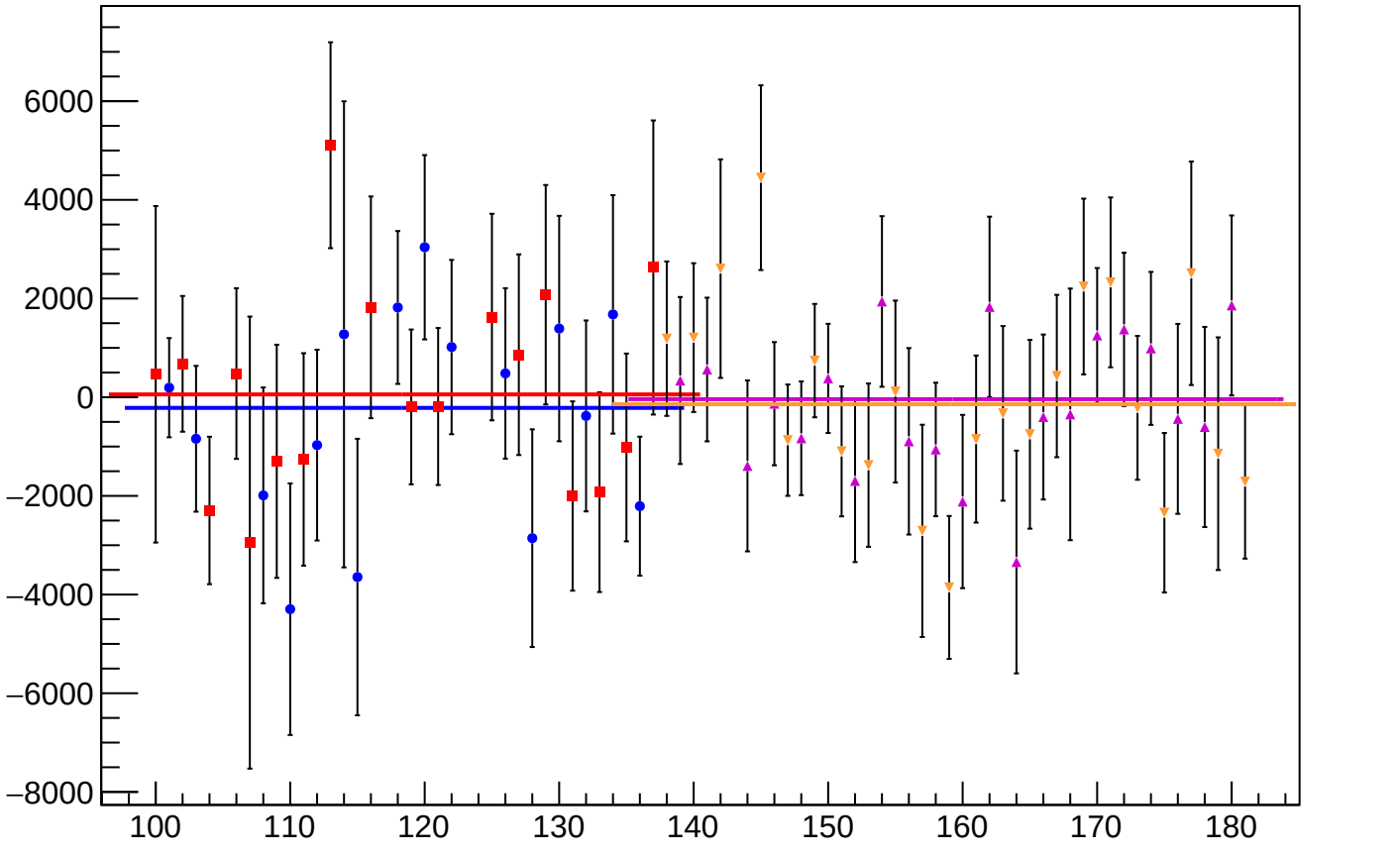
Right Out: 791.756+/-0.206 χ^2/NDF: 7015.1/17

Left In: 784.798+/-0.134 χ^2/NDF:4788.2/20

+ sign 785.098+/-0.112 χ^2/NDF: 17106.5/37

All: 785.971+/-0.079 χ^2/NDF: 29834.3/76

- sign 786.853+/-0.112 χ^2/NDF: 12604.7/38



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

Left Out: -142.735+/-344.795 χ^2/NDF:27.9/21

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

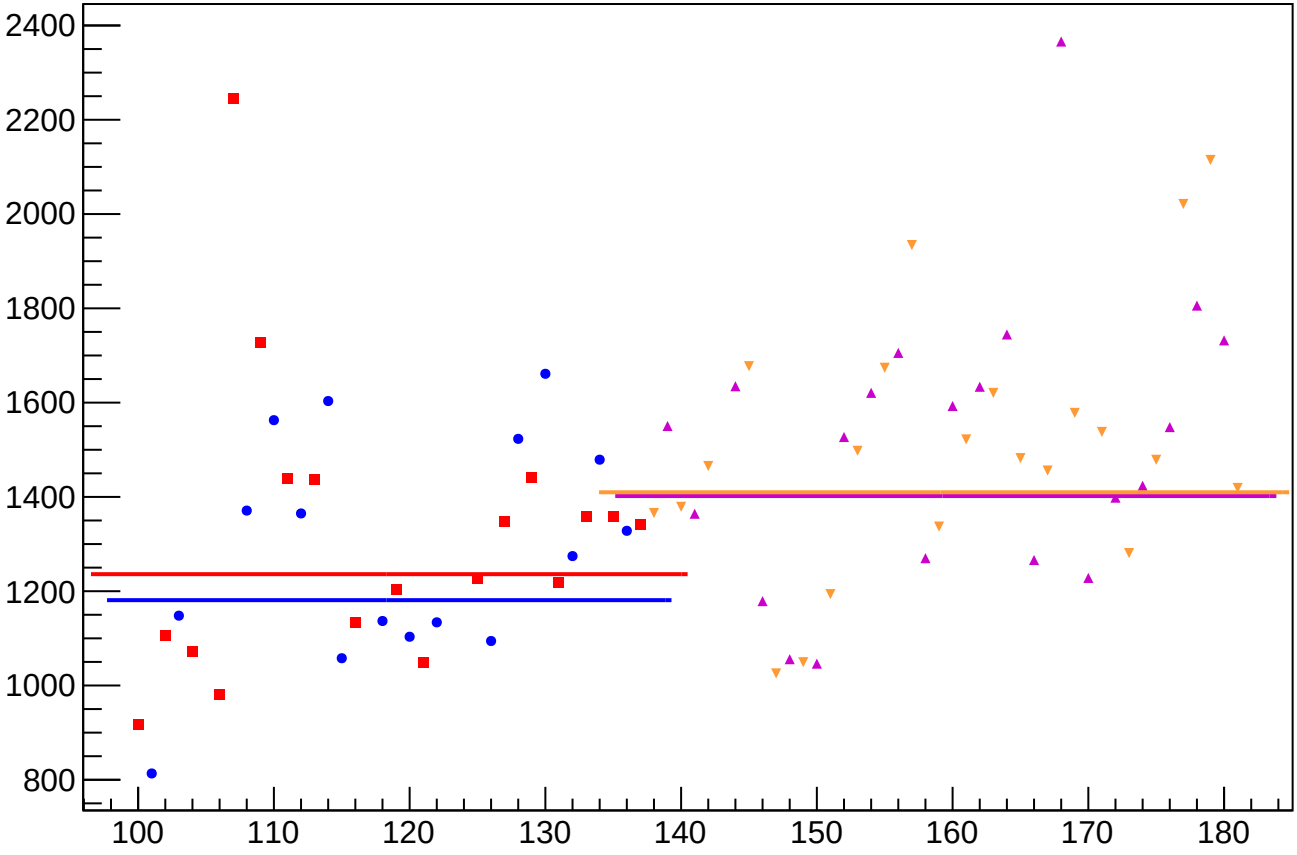
Left In: -39.372+/-344.885 χ^2/NDF:12.6/20

\+ sign -169.939+/-273.587 χ^2/NDF: 43.2/37

All: -88.505+/-194.579 χ^2/NDF: 71.1/76

\- sign -5.151+/-276.793 χ^2/NDF: 27.7/38

asym_us_avg_eigen_dit_correction_rms vs Slug



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

Left Out: 1409.880+/-0.244 χ^2/NDF:1112118.6/21

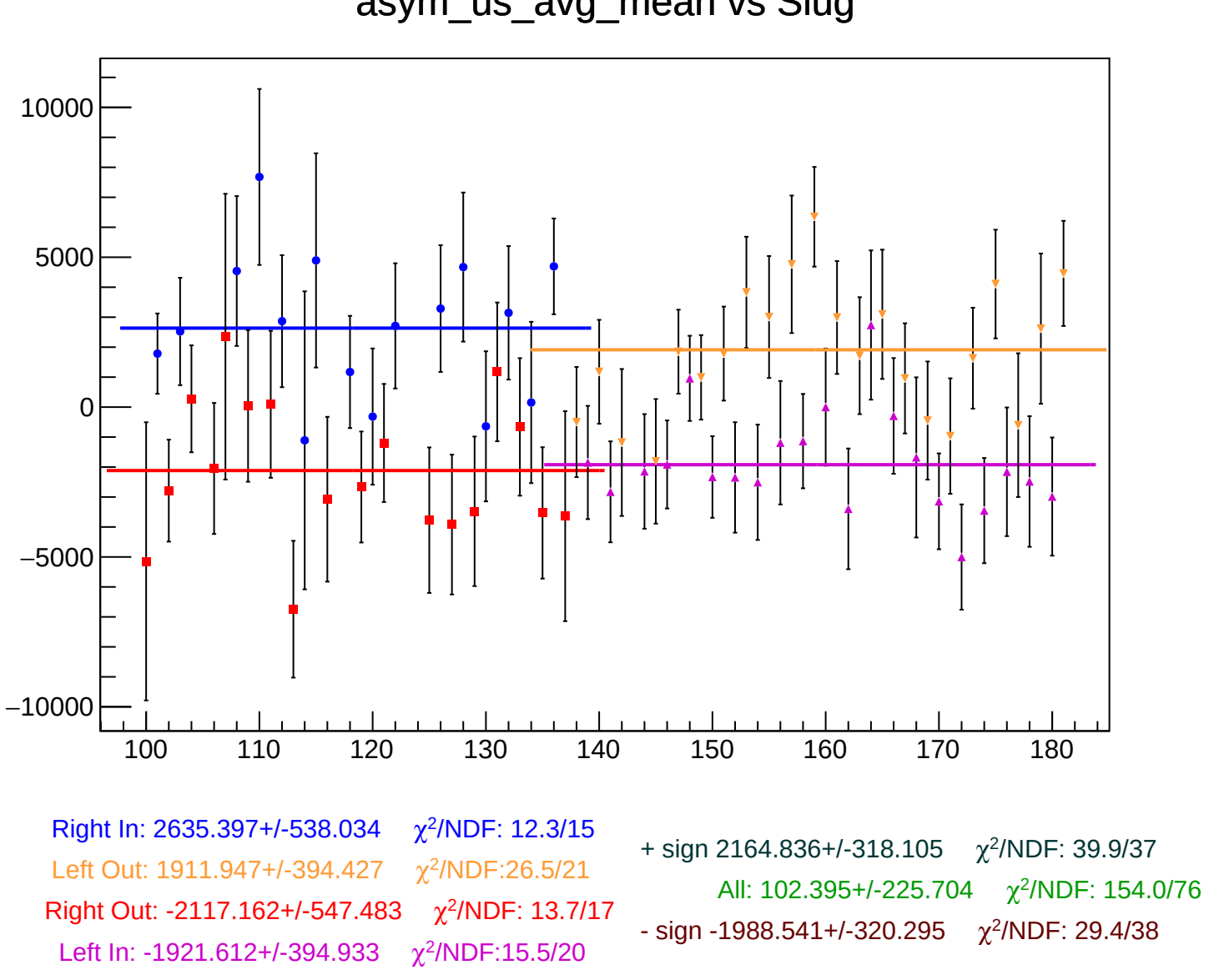
Right Out: 1236.131+/-0.328 χ^2/NDF: 397240.7/17

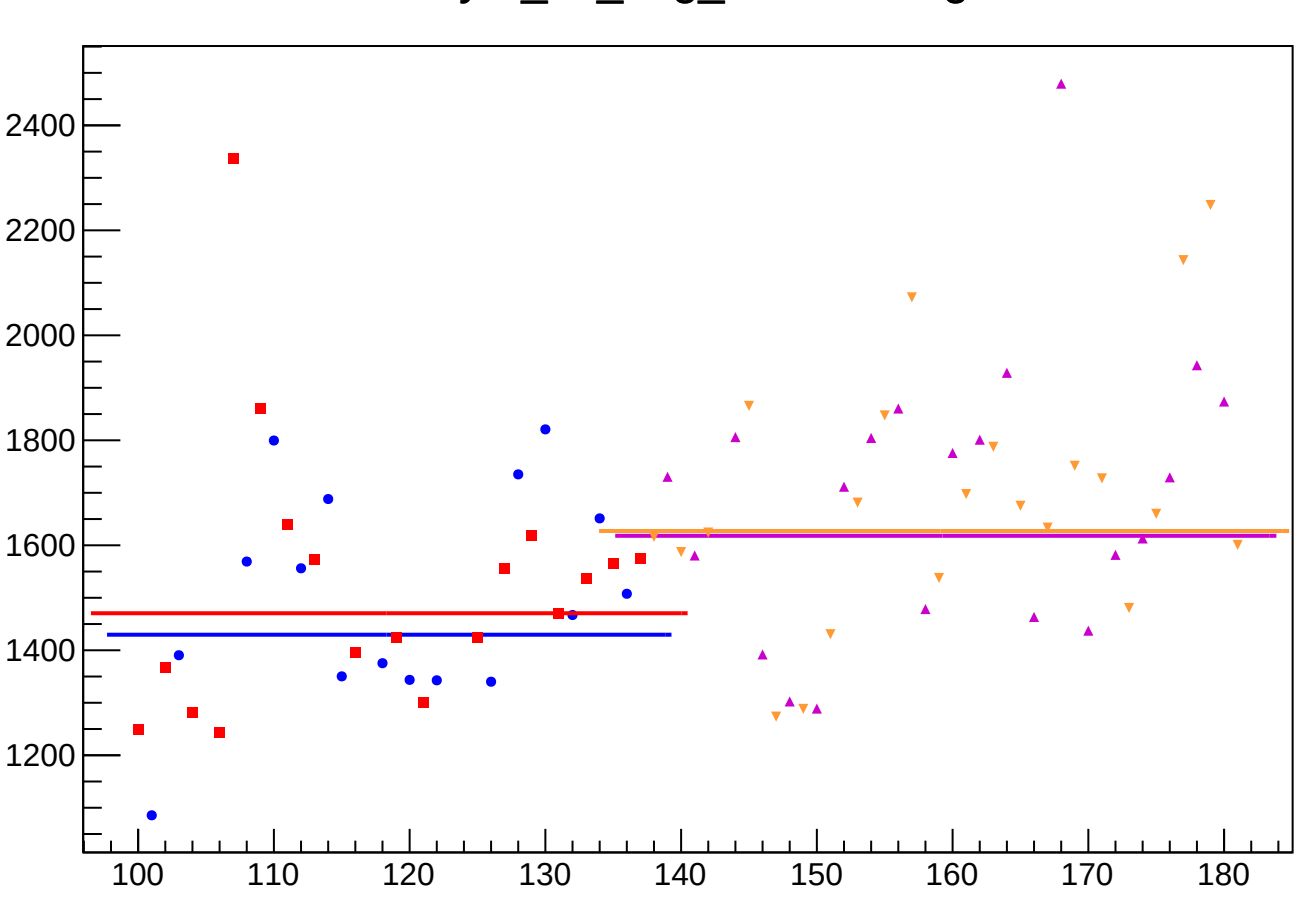
Left In: 1401.860+/-0.244 χ^2/NDF:1207959.1/20

+ sign 1325.103+/-0.193 χ^2/NDF: 2009667.7/37

All: 1333.887+/-0.138 χ^2/NDF: 3783398.9/76

- sign 1342.879+/-0.196 χ^2/NDF: 1769558.9/38


asym_us_avg_mean vs Slug
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
180
Right In: 2635.397+/-538.034 χ²/NDF: 12.3/15
Left Out: 1911.947+/-394.427 χ²/NDF:26.5/21
Right Out: -2117.162+/-547.483 χ²/NDF: 13.7/17
Left In: -1921.612+/-394.933 χ²/NDF:15.5/20
+ sign 2164.836+/-318.105 χ²/NDF: 39.9/37
All: 102.395+/-225.704 χ²/NDF: 154.0/76
- sign -1988.541+/-320.295 χ²/NDF: 29.4/38



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

Left Out: 1627.251+/-0.279 χ^2/NDF:670613.9/21

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

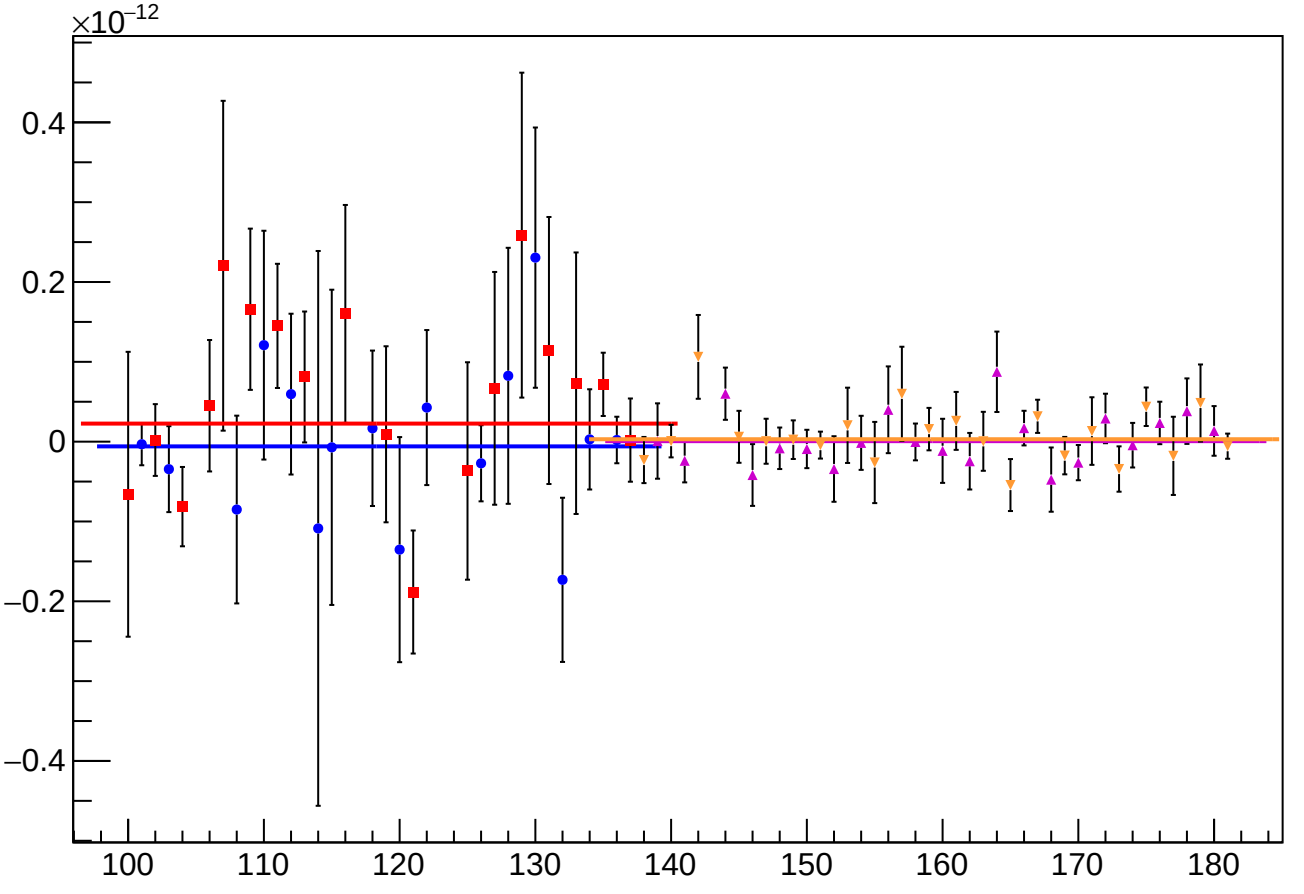
Left In: 1618.089+/-0.279 χ^2/NDF:748912.1/20

+ sign 1558.179+/-0.225 χ^2/NDF: 1139462.6/37

All: 1562.856+/-0.160 χ^2/NDF: 2202826.1/76

- sign 1567.597+/-0.226 χ^2/NDF: 1062492.9/38

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:18.7/21

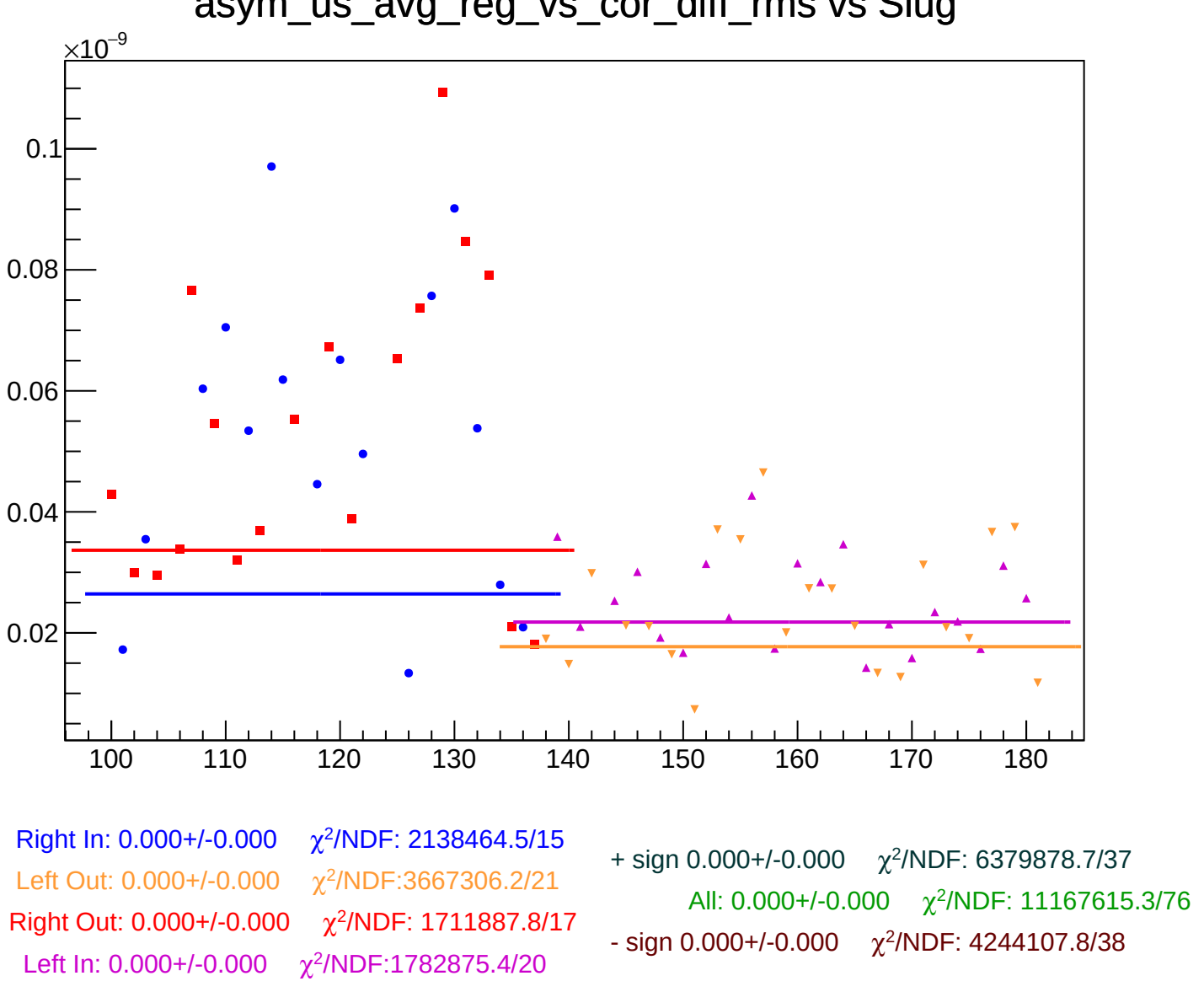
Right Out: 0.000+/-0.000 χ^2/NDF: 23.1/17

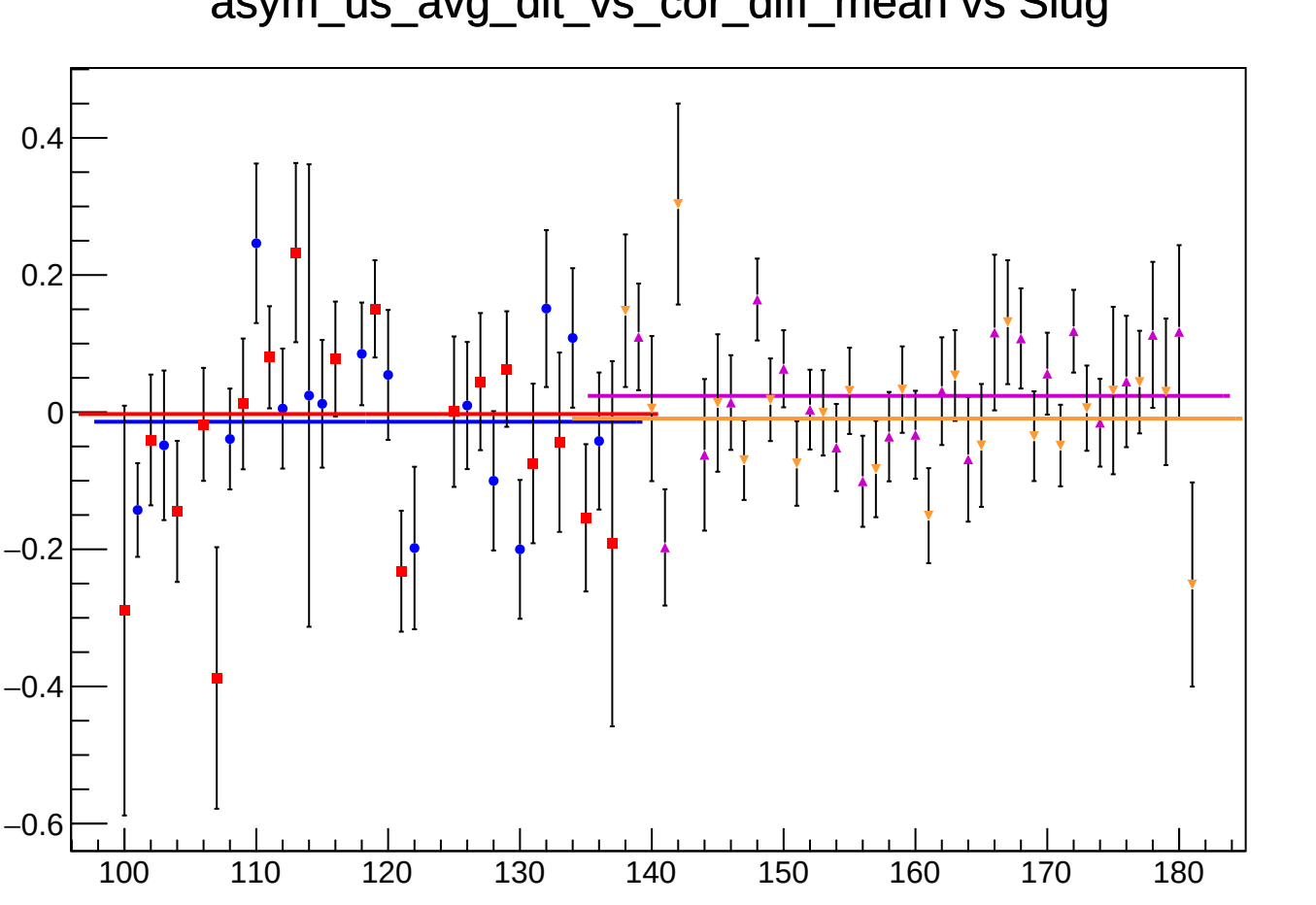
Left In: 0.000+/-0.000 χ^2/NDF:16.5/20

+ sign 0.000+/-0.000 χ^2/NDF: 27.5/37

All: 0.000+/-0.000 χ^2/NDF: 68.4/76

- sign 0.000+/-0.000 χ^2/NDF: 40.9/38


asym_us_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: 2138464.5/15
Left Out: 0.000+/-0.000 χ²/NDF:3667306.2/21
Right Out: 0.000+/-0.000 χ²/NDF: 1711887.8/17
Left In: 0.000+/-0.000 χ²/NDF:1782875.4/20
+ sign 0.000+/-0.000 χ²/NDF: 6379878.7/37
All: 0.000+/-0.000 χ²/NDF: 11167615.3/76
- sign 0.000+/-0.000 χ²/NDF: 4244107.8/38



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

Left Out: -0.009+/-0.016 χ^2/NDF:22.8/21

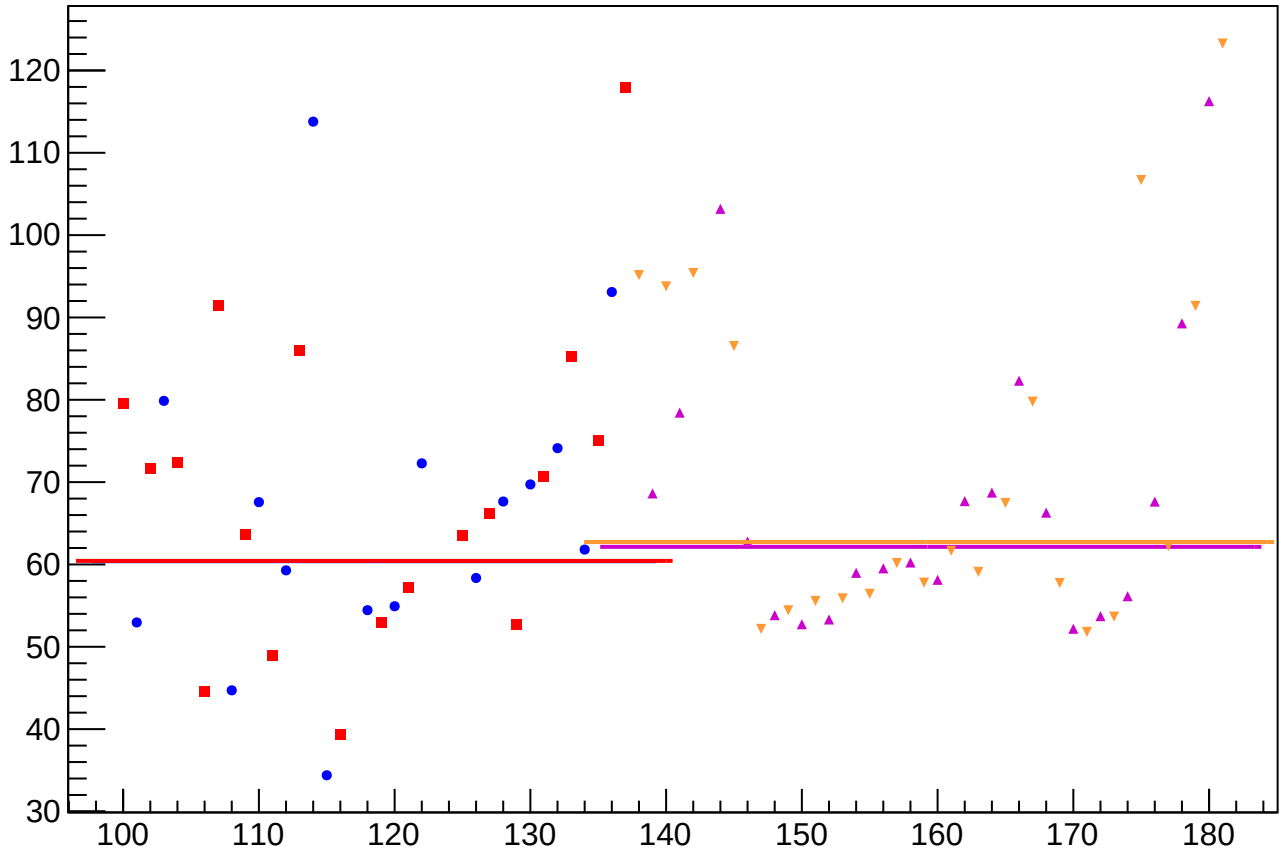
Right Out: -0.003+/-0.024 χ^2/NDF: 27.8/17

Left In: 0.024+/-0.016 χ^2/NDF:28.7/20

+ sign -0.011+/-0.013 χ^2/NDF: 44.1/37

All: 0.003+/-0.009 χ^2/NDF: 103.5/76

- sign 0.016+/-0.013 χ^2/NDF: 57.4/38



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

Left Out: 62.729+/-0.011 χ^2/NDF:1683013.0/21

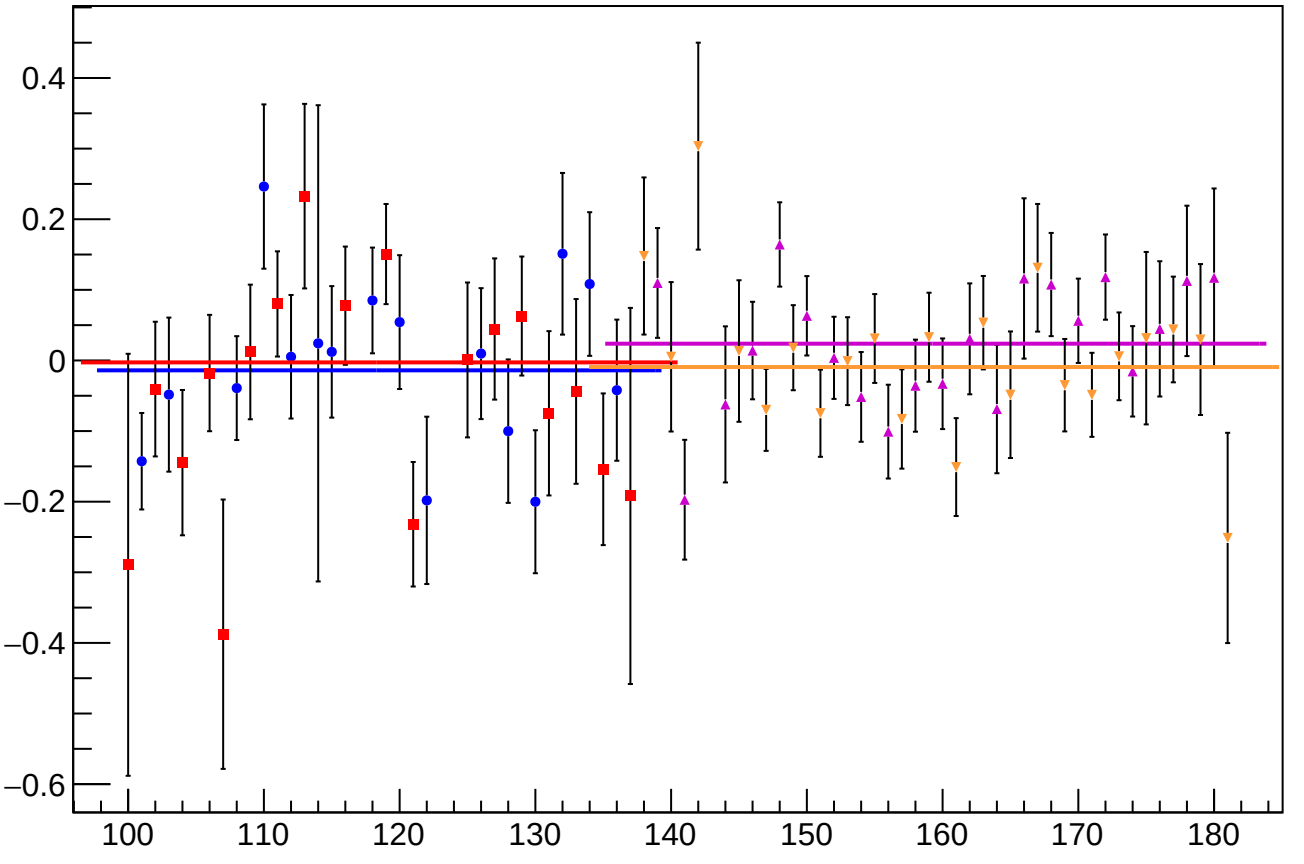
Right Out: 60.434+/-0.017 χ^2/NDF: 711093.4/17

Left In: 62.138+/-0.011 χ^2/NDF:1227492.3/20

+ sign 62.012+/-0.009 χ^2/NDF: 2399364.8/37

All: 61.814+/-0.007 χ^2/NDF: 4345975.7/76

- sign 61.621+/-0.009 χ^2/NDF: 1945728.5/38



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

Left Out: -0.009+/-0.016 χ^2/NDF:22.8/21

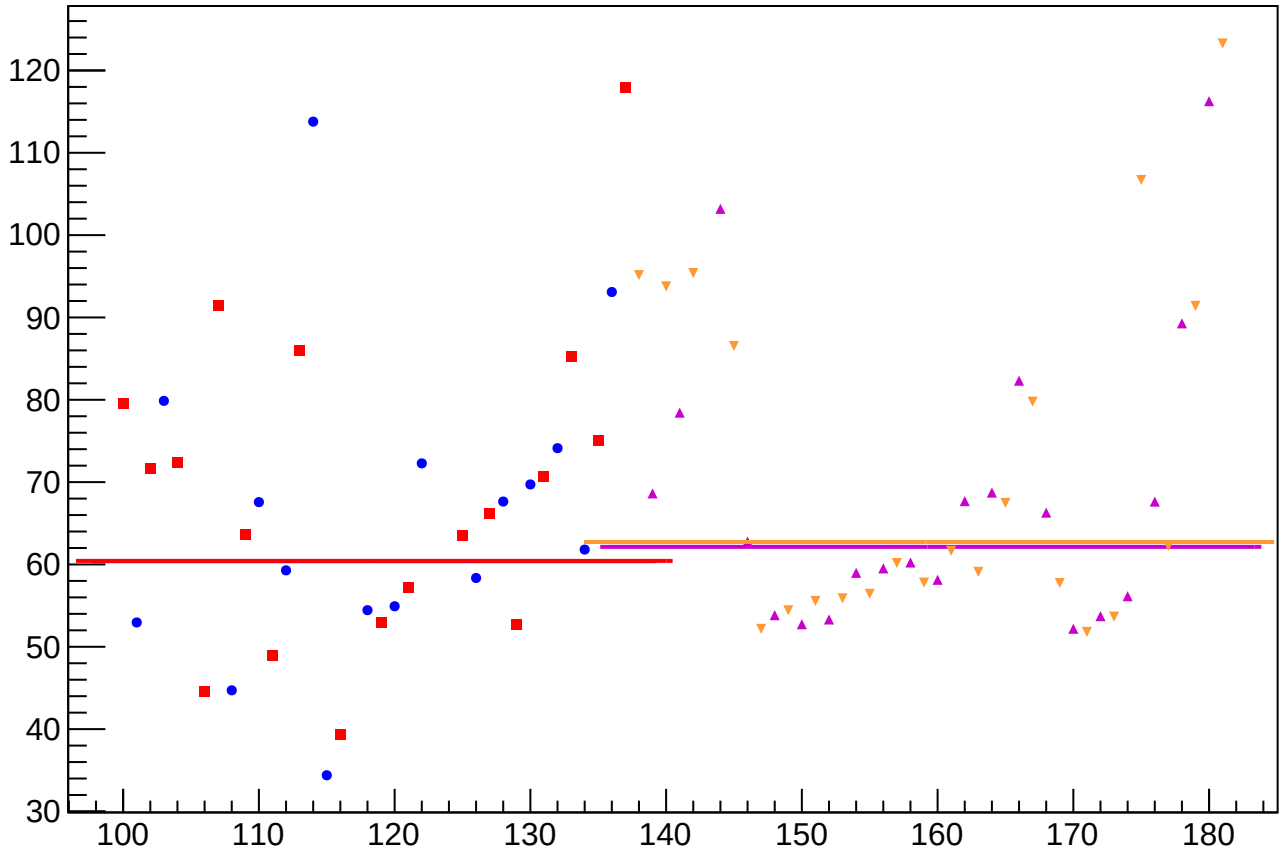
Right Out: -0.003+/-0.024 χ^2/NDF: 27.8/17

Left In: 0.024+/-0.016 χ^2/NDF:28.7/20

+ sign -0.011+/-0.013 χ^2/NDF: 44.1/37

All: 0.003+/-0.009 χ^2/NDF: 103.5/76

- sign 0.016+/-0.013 χ^2/NDF: 57.4/38



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

Left Out: 62.729+/-0.011 χ^2/NDF:1683013.0/21

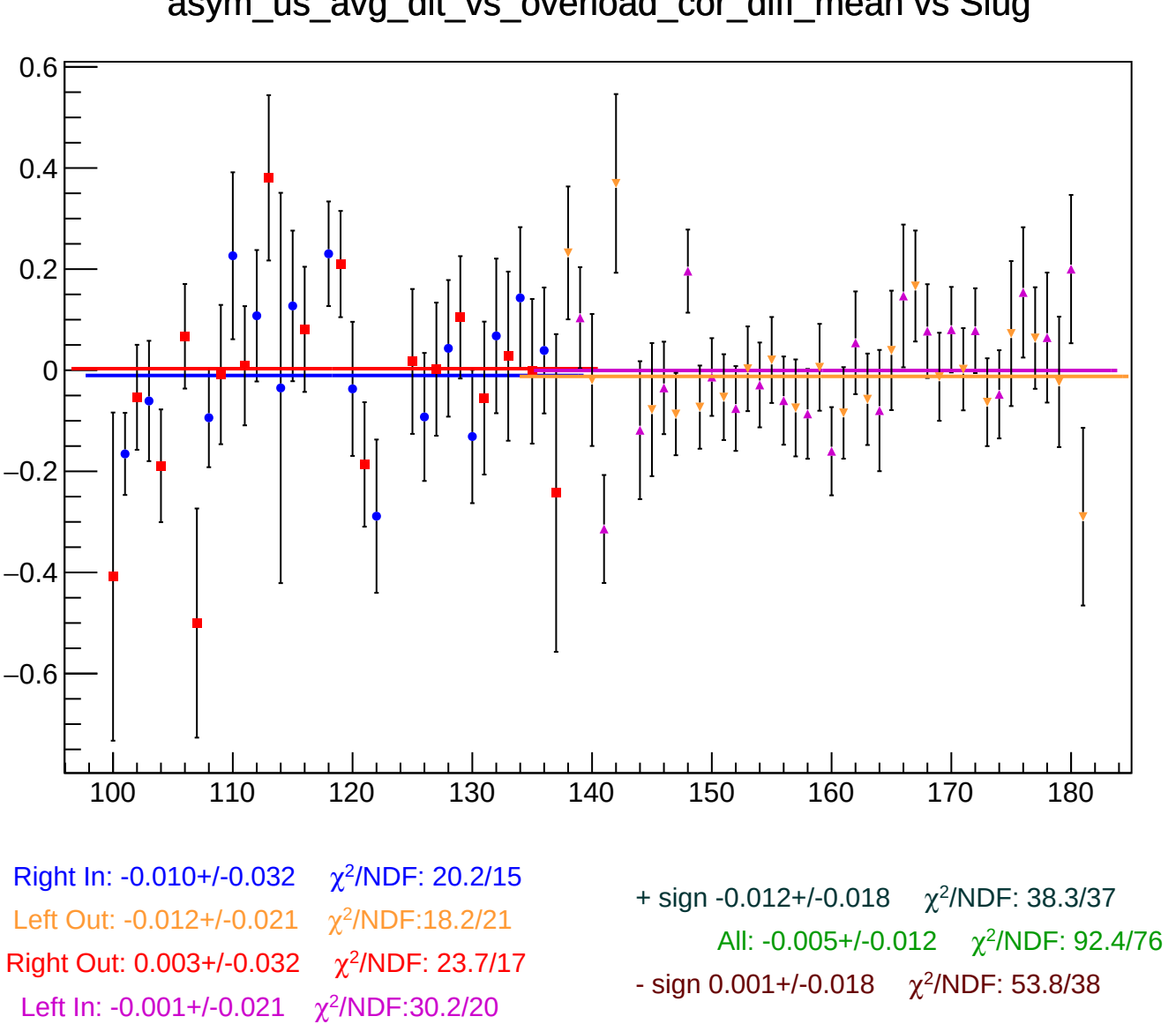
Right Out: 60.434+/-0.017 χ^2/NDF: 711093.4/17

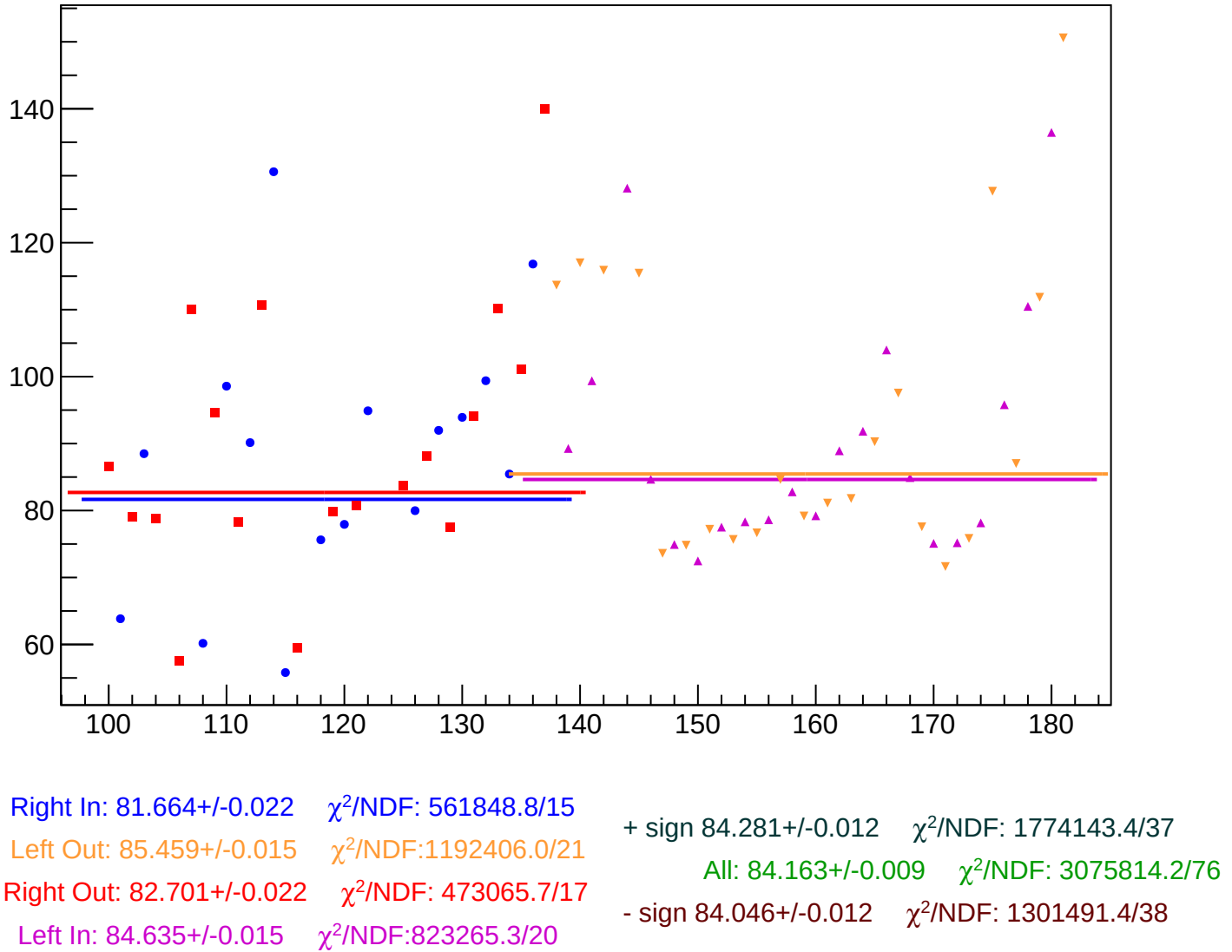
Left In: 62.138+/-0.011 χ^2/NDF:1227492.3/20

+ sign 62.012+/-0.009 χ^2/NDF: 2399364.8/37

All: 61.814+/-0.007 χ^2/NDF: 4345975.7/76

- sign 61.621+/-0.009 χ^2/NDF: 1945728.5/38


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: -0.012+/-0.021 χ²/NDF:18.2/21
Right Out: 0.003+/-0.032 χ²/NDF: 23.7/17
Left In: -0.001+/-0.021 χ²/NDF:30.2/20
+ sign -0.012+/-0.018 χ²/NDF: 38.3/37
All: -0.005+/-0.012 χ²/NDF: 92.4/76
- sign 0.001+/-0.018 χ²/NDF: 53.8/38



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

Left Out: 85.459+/-0.015 χ^2/NDF:1192406.0/21

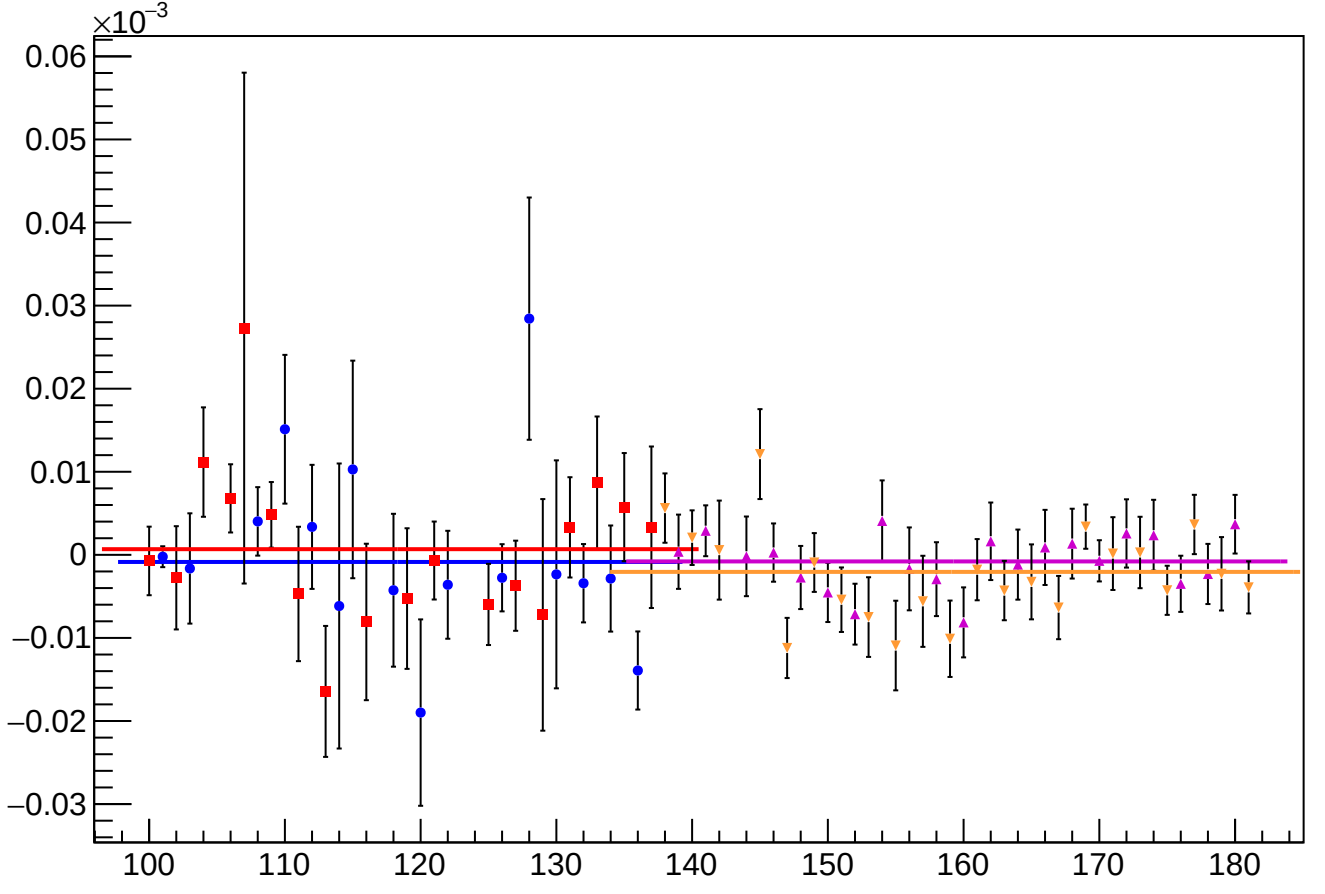
Right Out: 82.701+/-0.022 χ^2/NDF: 473065.7/17

Left In: 84.635+/-0.015 χ^2/NDF:823265.3/20

+ sign 84.281+/-0.012 χ^2/NDF: 1774143.4/37

All: 84.163+/-0.009 χ^2/NDF: 3075814.2/76

- sign 84.046+/-0.012 χ^2/NDF: 1301491.4/38



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

Left Out: -0.000+/-0.000 χ^2/NDF:36.7/21

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

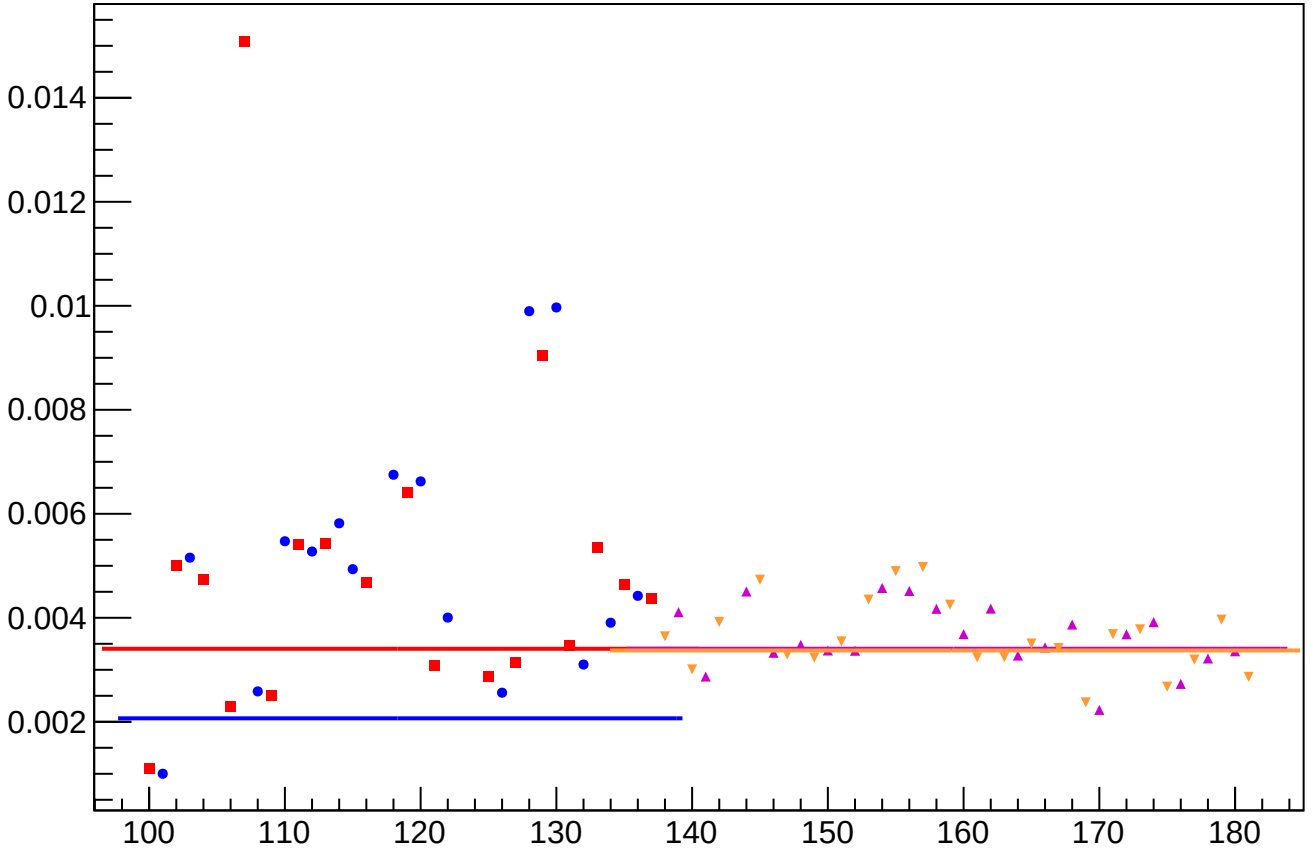
Left In: -0.000+/-0.000 χ^2/NDF:14.6/20

+ sign -0.000+/-0.000 χ^2/NDF: 58.8/37

All: -0.000+/-0.000 χ^2/NDF: 94.0/76

- sign -0.000+/-0.000 χ^2/NDF: 33.7/38

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:1192070.2/21

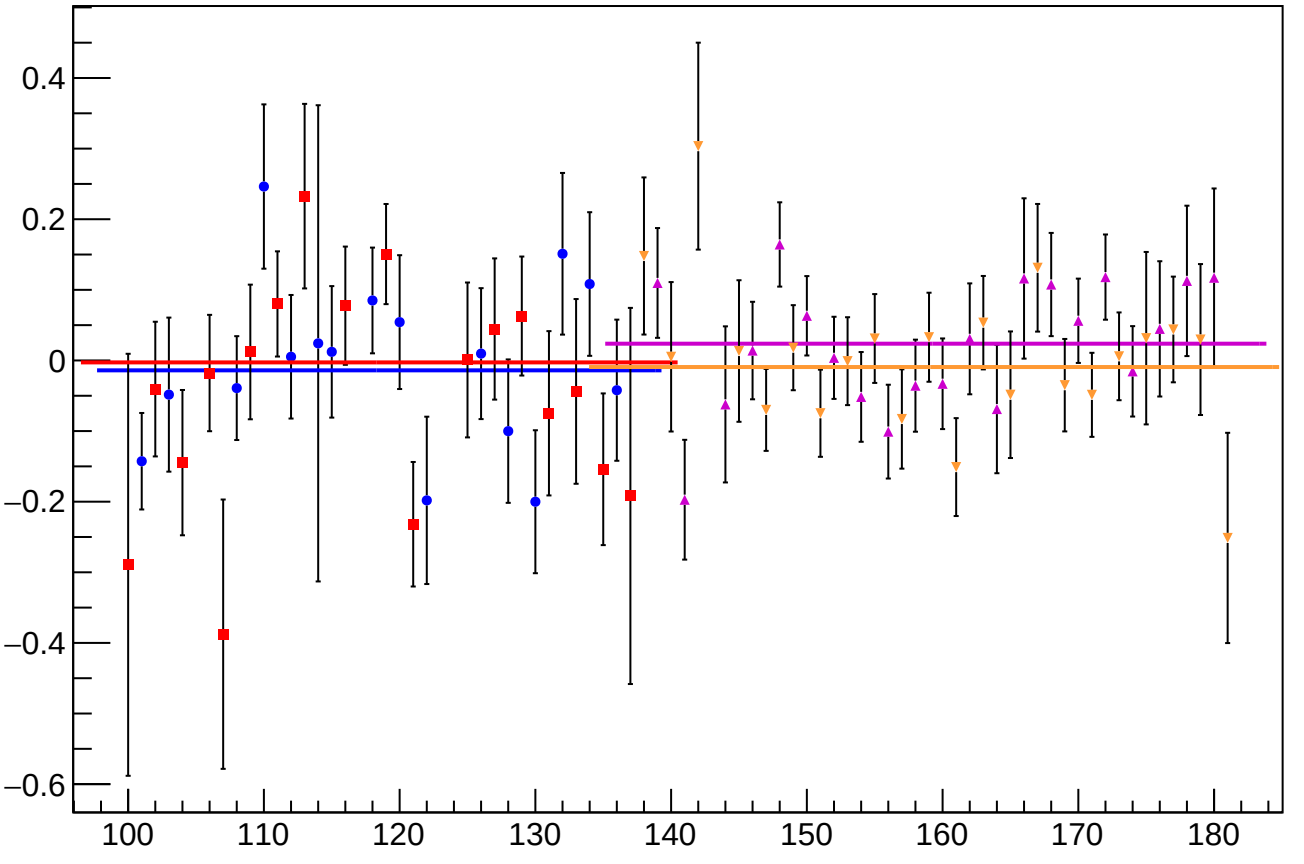
Right Out: 0.003+/-0.000 χ^2/NDF: 2491305.2/17

Left In: 0.003+/-0.000 χ^2/NDF:1155259.2/20

+ sign 0.003+/-0.000 χ^2/NDF: 9006526.2/37

All: 0.003+/-0.000 χ^2/NDF: 13323085.7/76

- sign 0.003+/-0.000 χ^2/NDF: 3646564.8/38



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

Left Out: -0.009+/-0.016 χ^2/NDF:22.8/21

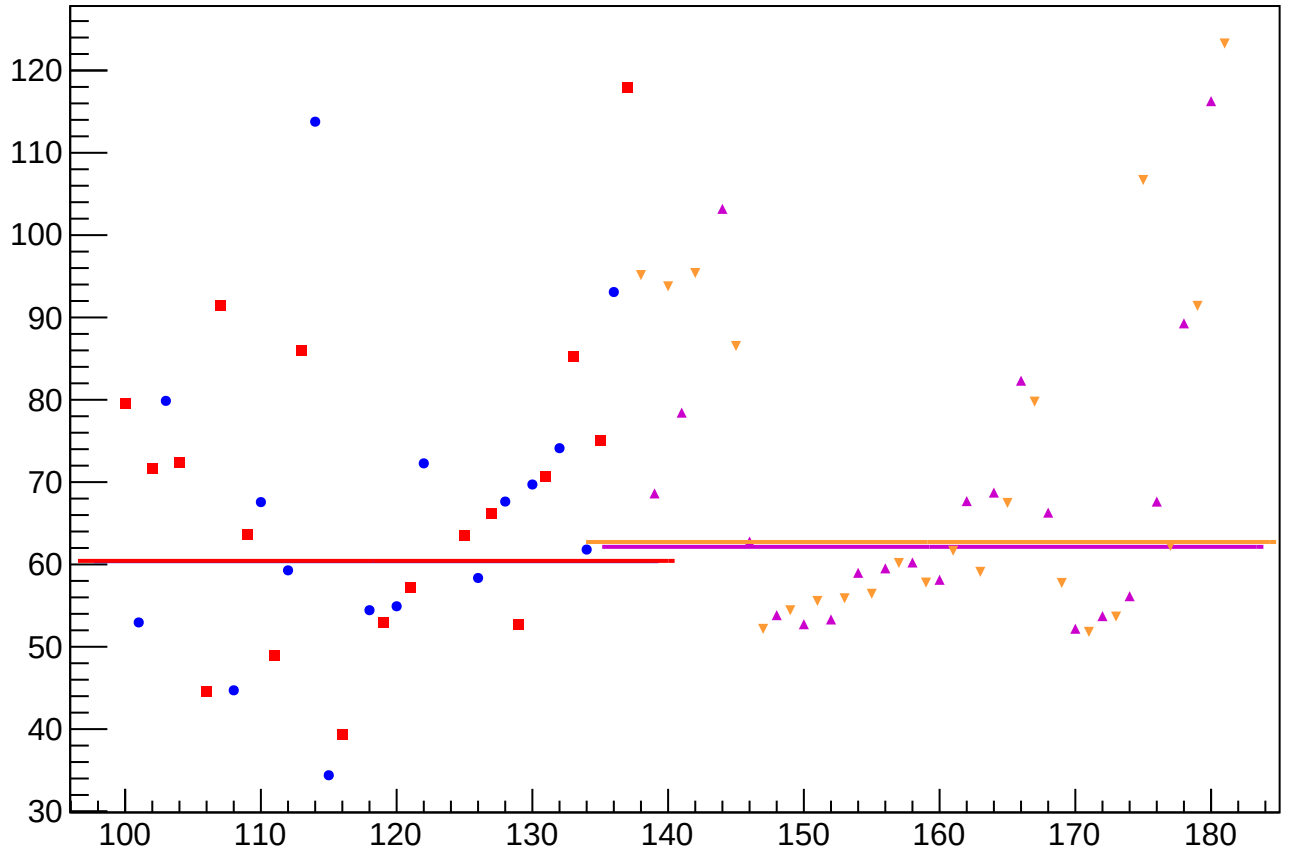
Right Out: -0.003+/-0.024 χ^2/NDF: 27.8/17

Left In: 0.024+/-0.016 χ^2/NDF:28.7/20

+ sign -0.011+/-0.013 χ^2/NDF: 44.1/37

All: 0.003+/-0.009 χ^2/NDF: 103.5/76

- sign 0.016+/-0.013 χ^2/NDF: 57.4/38



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

Left Out: 62.729+/-0.011 χ^2/NDF:1682997.0/21

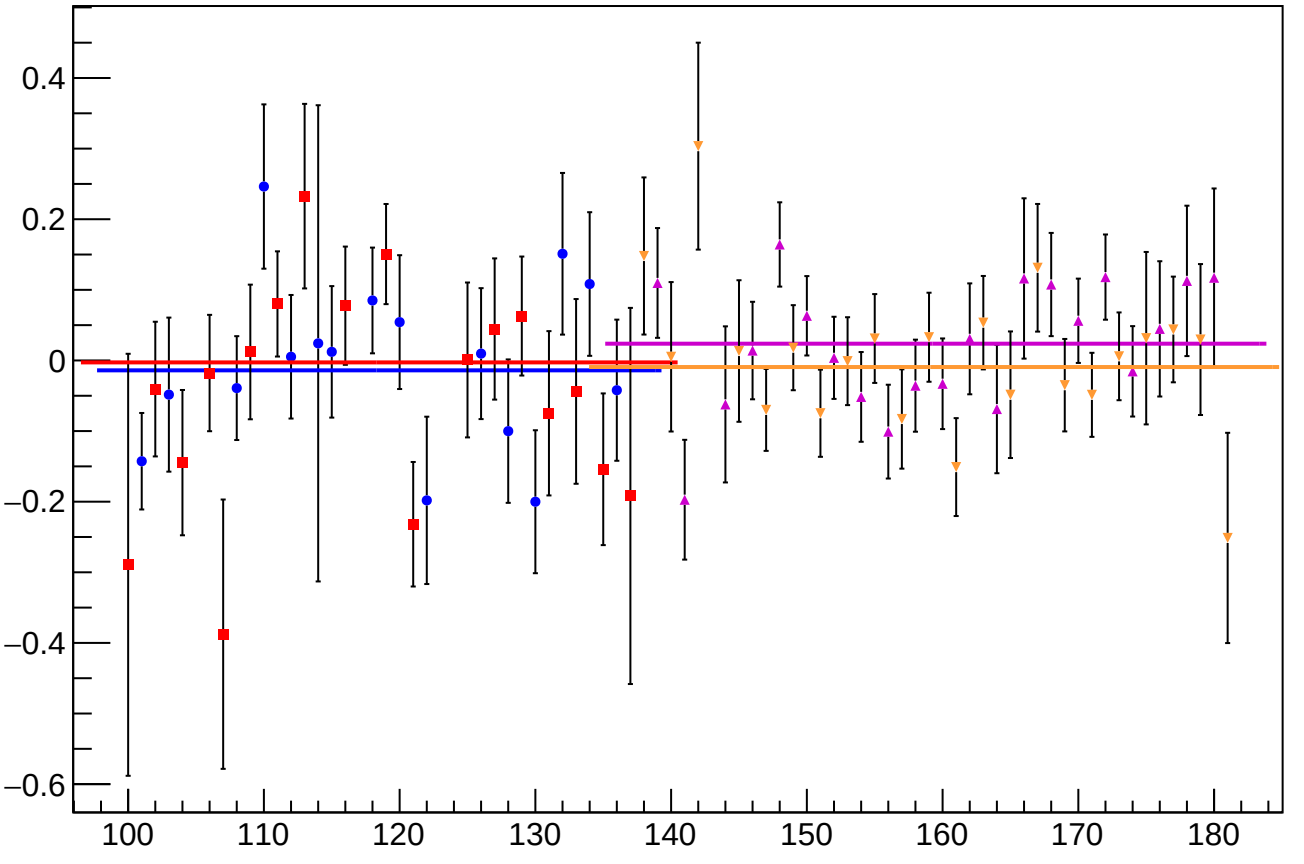
Right Out: 60.432+/-0.017 χ^2/NDF: 711122.4/17

Left In: 62.139+/-0.011 χ^2/NDF:1227481.6/20

+ sign 62.012+/-0.009 χ^2/NDF: 2399381.7/37

All: 61.814+/-0.007 χ^2/NDF: 4346028.5/76

- sign 61.620+/-0.009 χ^2/NDF: 1945763.9/38



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

Left Out: -0.009+/-0.016 χ^2/NDF:22.8/21

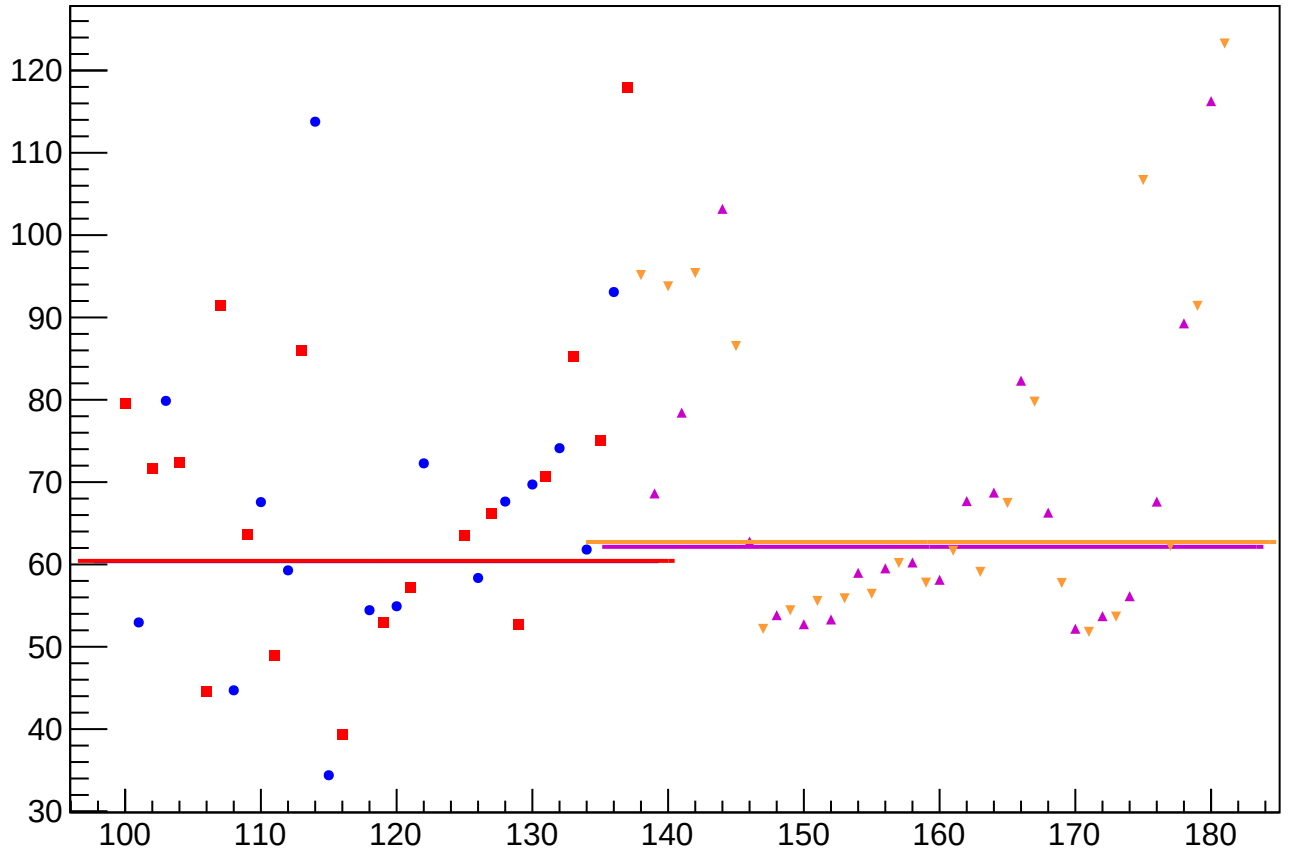
Right Out: -0.003+/-0.024 χ^2/NDF: 27.8/17

Left In: 0.024+/-0.016 χ^2/NDF:28.7/20

+ sign -0.011+/-0.013 χ^2/NDF: 44.1/37

All: 0.003+/-0.009 χ^2/NDF: 103.5/76

- sign 0.016+/-0.013 χ^2/NDF: 57.4/38



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

Left Out: 62.729+/-0.011 χ^2/NDF:1682997.0/21

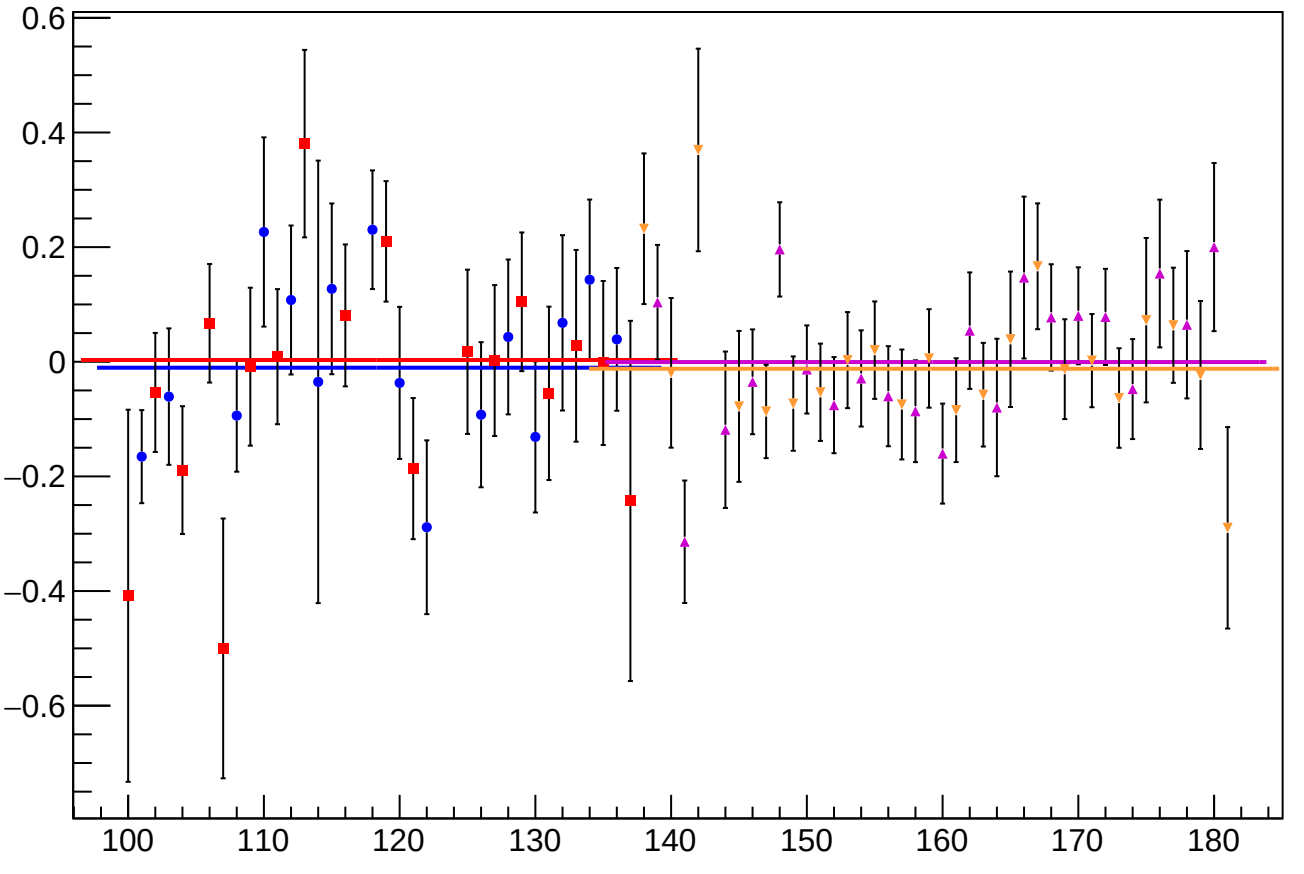
Right Out: 60.432+/-0.017 χ^2/NDF: 711122.4/17

Left In: 62.139+/-0.011 χ^2/NDF:1227481.6/20

+ sign 62.012+/-0.009 χ^2/NDF: 2399381.7/37

All: 61.814+/-0.007 χ^2/NDF: 4346028.5/76

- sign 61.620+/-0.009 χ^2/NDF: 1945763.9/38



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

Left Out: -0.012+/-0.021 χ^2/NDF:18.2/21

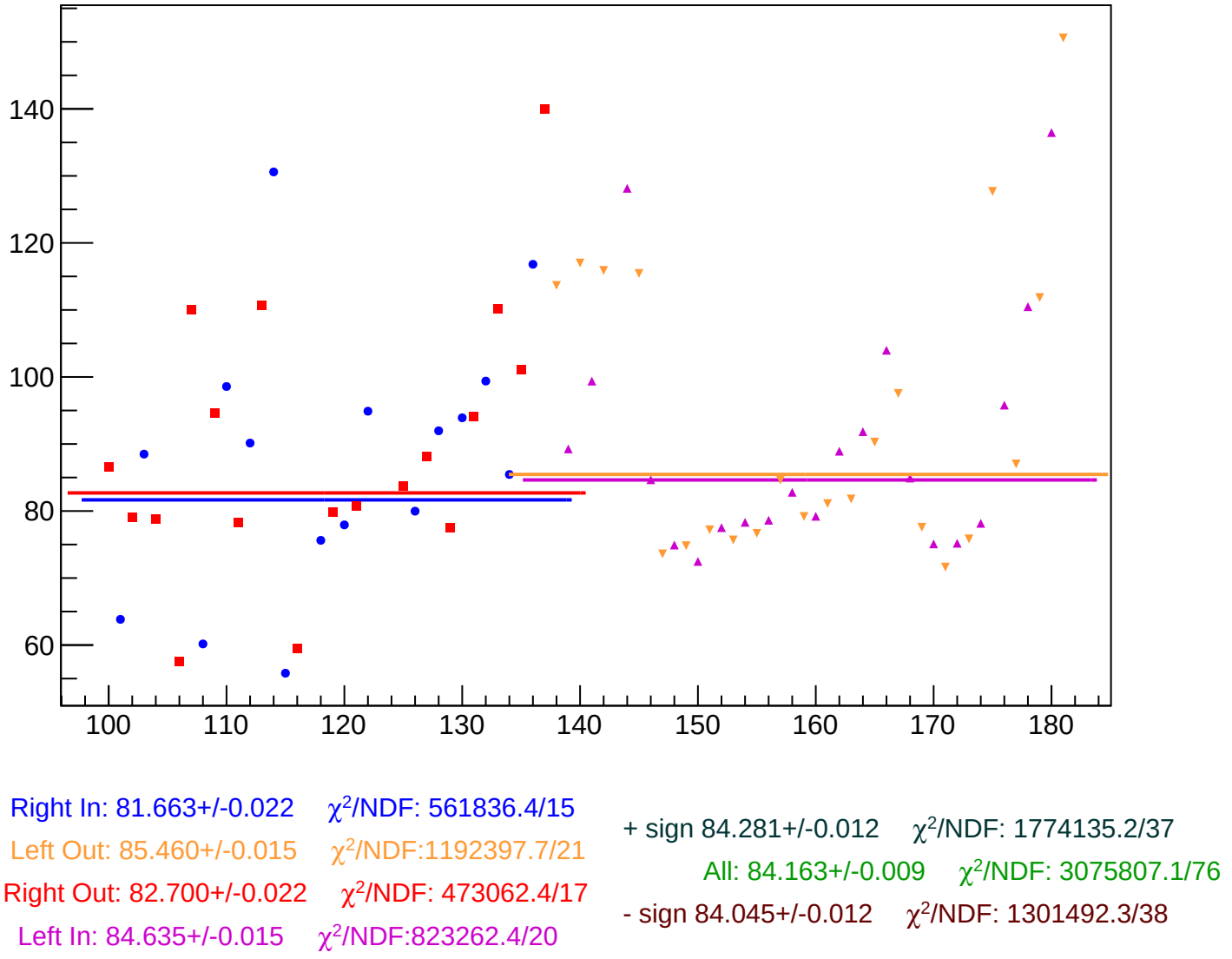
Right Out: 0.003+/-0.032 χ^2/NDF: 23.7/17

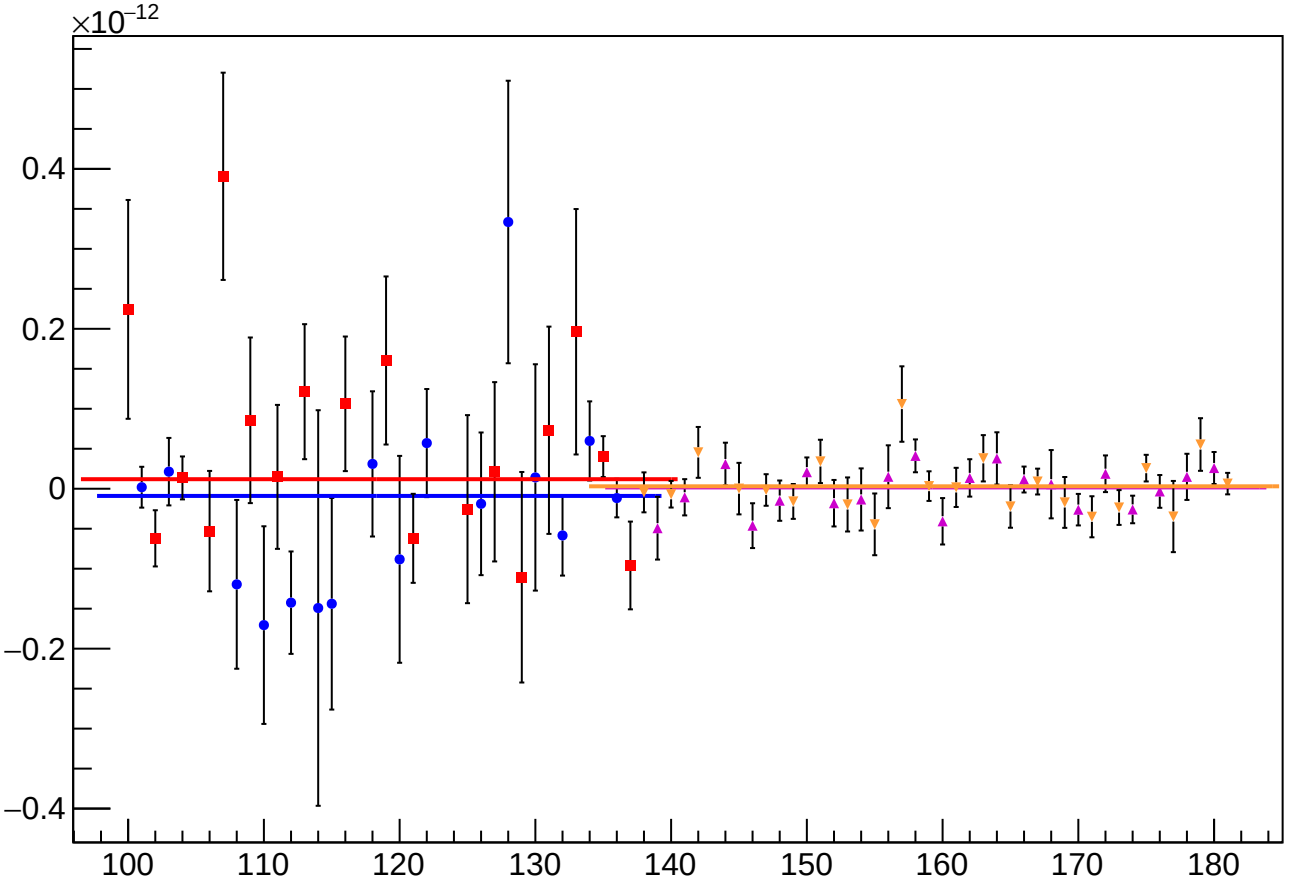
Left In: -0.001+/-0.021 χ^2/NDF:30.2/20

+ sign -0.012+/-0.018 χ^2/NDF: 38.3/37

All: -0.005+/-0.012 χ^2/NDF: 92.4/76

- sign 0.001+/-0.018 χ^2/NDF: 53.8/38


asym_us_avg_eigen_dit_vs_overload_cor_diff_rms vs Slug
140
120
100
80
60
100
110
120
130
140
150
160
170
180
Right In: 81.663+/-0.022 χ²/NDF: 561836.4/15
Left Out: 85.460+/-0.015 χ²/NDF:1192397.7/21
Right Out: 82.700+/-0.022 χ²/NDF: 473062.4/17
Left In: 84.635+/-0.015 χ²/NDF:823262.4/20
+ sign 84.281+/-0.012 χ²/NDF: 1774135.2/37
All: 84.163+/-0.009 χ²/NDF: 3075807.1/76
- sign 84.045+/-0.012 χ²/NDF: 1301492.3/38



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

Left Out: 0.000+/-0.000 χ^2/NDF:22.8/21

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

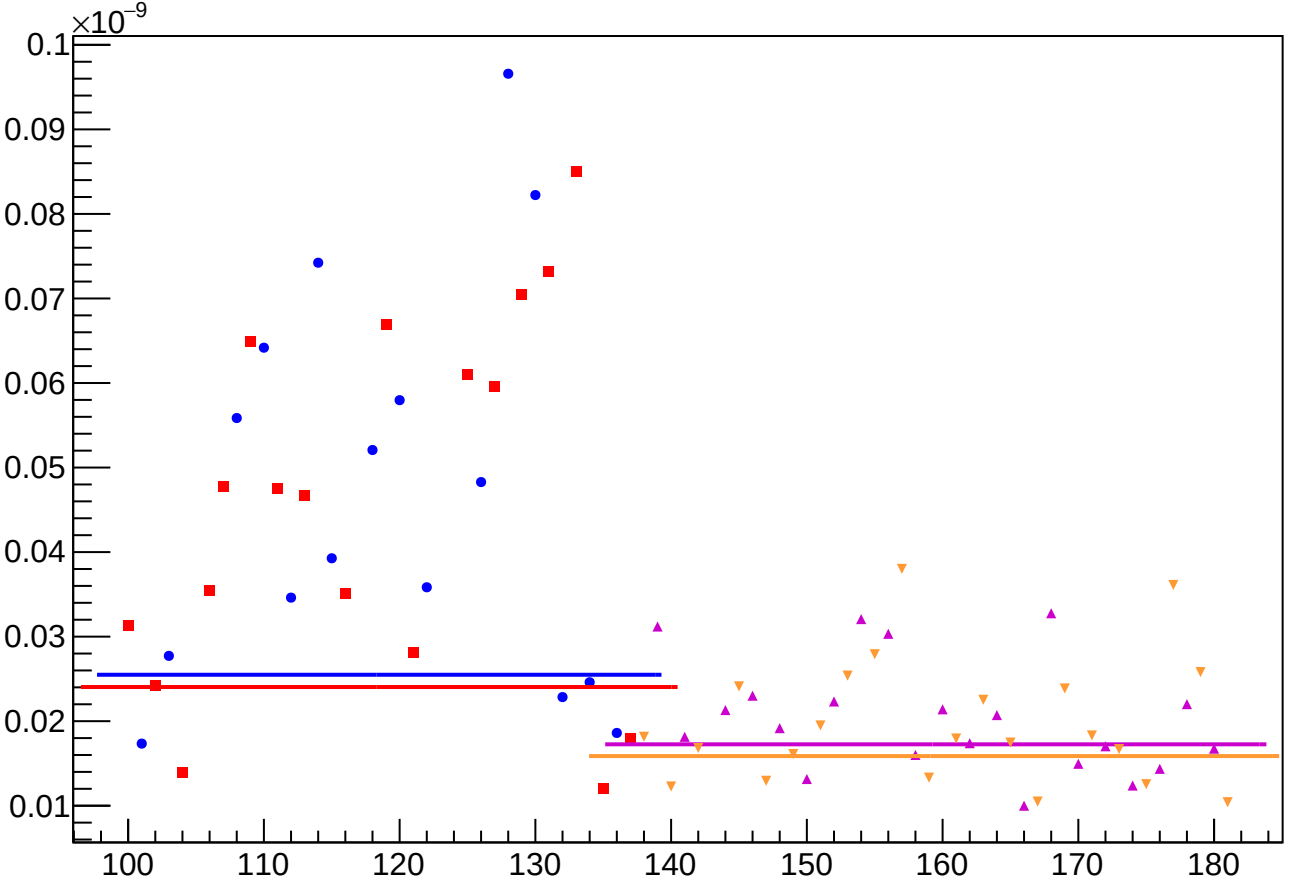
Left In: 0.000+/-0.000 χ^2/NDF:22.9/20

+ sign 0.000+/-0.000 χ^2/NDF: 41.0/37

All: 0.000+/-0.000 χ^2/NDF: 95.5/76

- sign 0.000+/-0.000 χ^2/NDF: 54.4/38

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:2656132.7/21

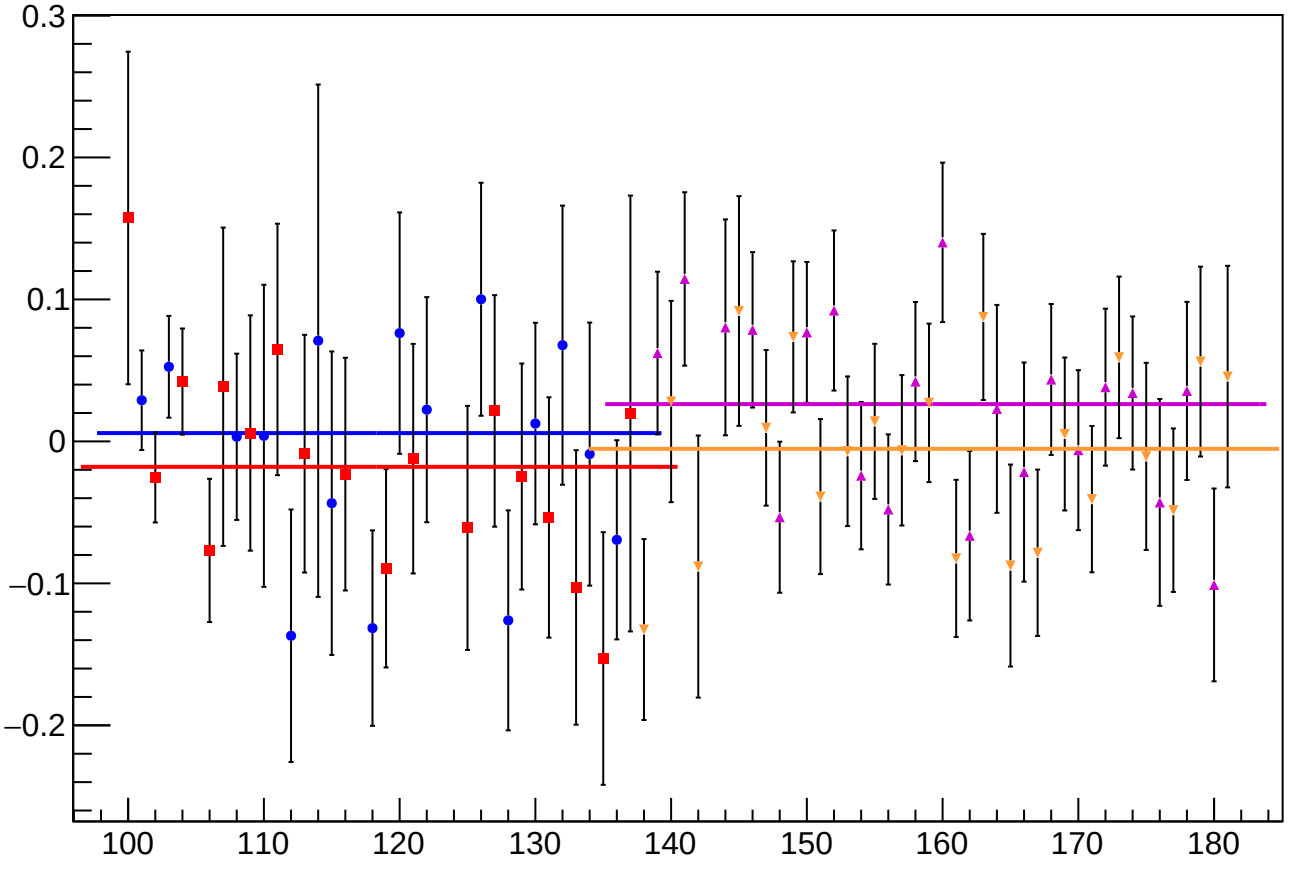
Right Out: 0.000+/-0.000 χ^2/NDF: 3084598.6/17

Left In: 0.000+/-0.000 χ^2/NDF:2088226.4/20

+ sign 0.000+/-0.000 χ^2/NDF: 5582822.0/37

All: 0.000+/-0.000 χ^2/NDF: 11255874.6/76

- sign 0.000+/-0.000 χ^2/NDF: 5617510.3/38



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

Left Out: -0.005+/-0.013 χ^2/NDF:20.6/21

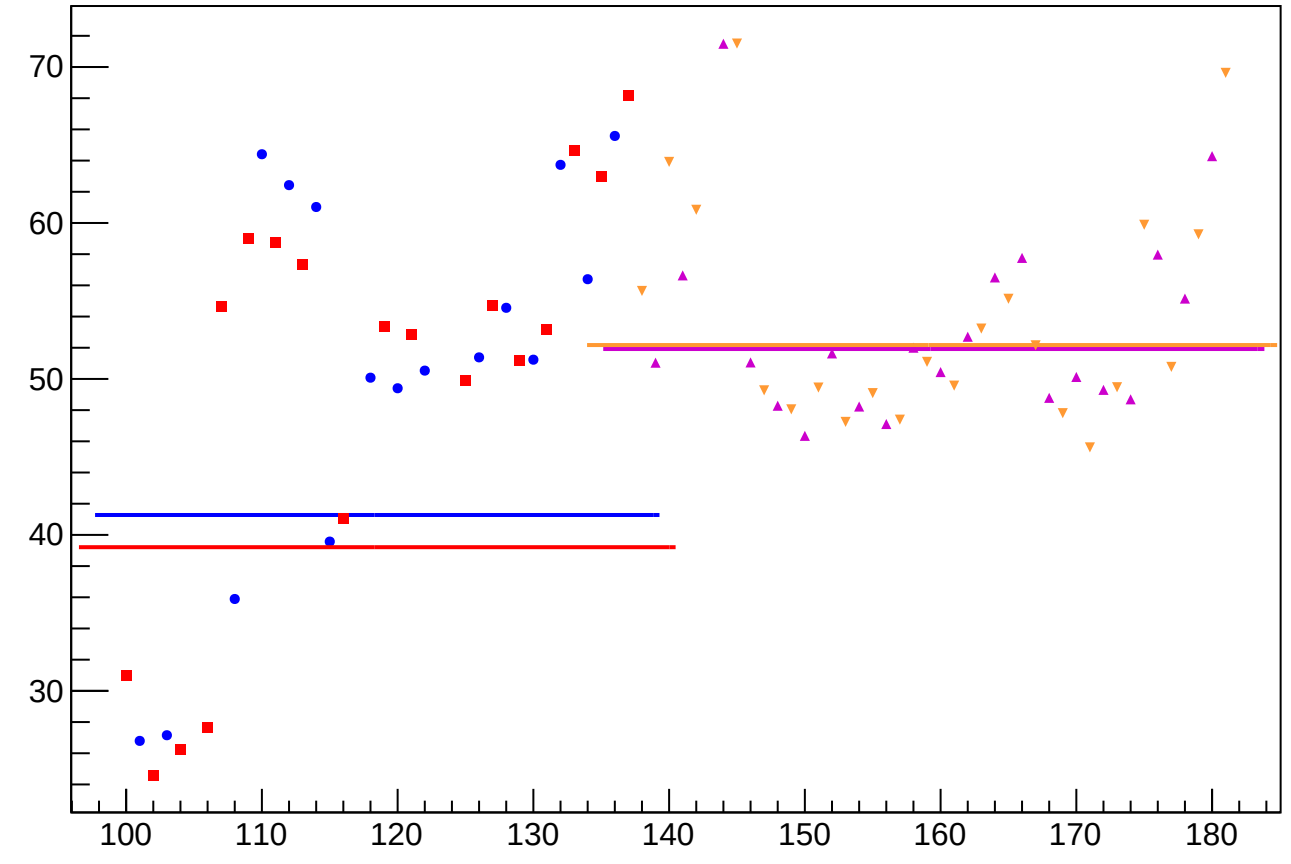
Right Out: -0.018+/-0.016 χ^2/NDF: 12.3/17

Left In: 0.026+/-0.013 χ^2/NDF:23.4/20

+ sign -0.001+/-0.010 χ^2/NDF: 36.4/37

All: 0.004+/-0.007 χ^2/NDF: 77.4/76

- sign 0.009+/-0.010 χ^2/NDF: 40.5/38



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

Left Out: 52.173+/-0.009 χ^2/NDF:466024.5/21

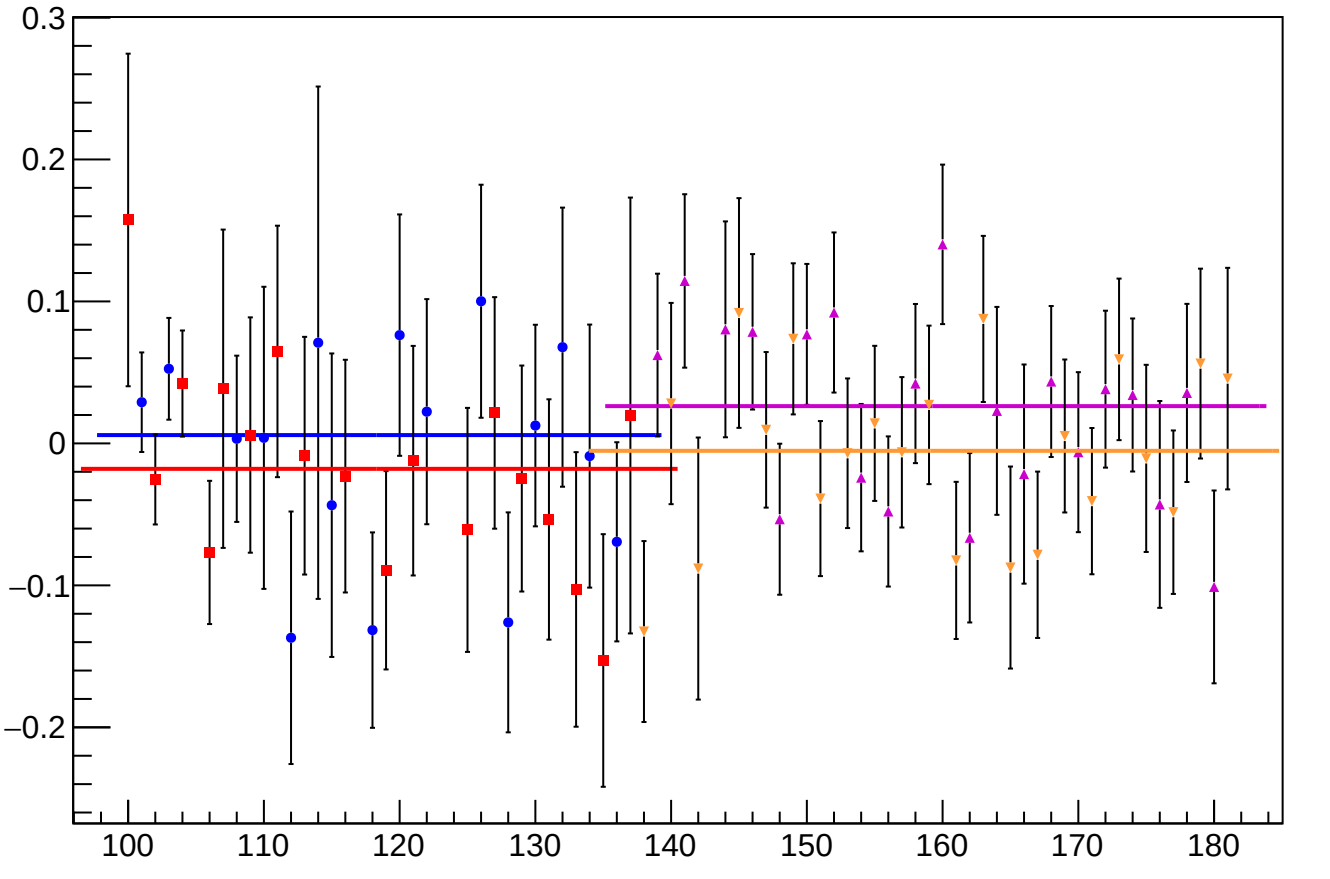
Right Out: 39.212+/-0.011 χ^2/NDF: 1819921.9/17

Left In: 51.918+/-0.009 χ^2/NDF:333760.7/20

+ sign 48.114+/-0.007 χ^2/NDF: 2516866.2/37

All: 47.487+/-0.005 χ^2/NDF: 5473106.6/76

- sign 46.882+/-0.007 χ^2/NDF: 2941062.5/38



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

Left Out: -0.005+/-0.013 χ^2/NDF:20.6/21

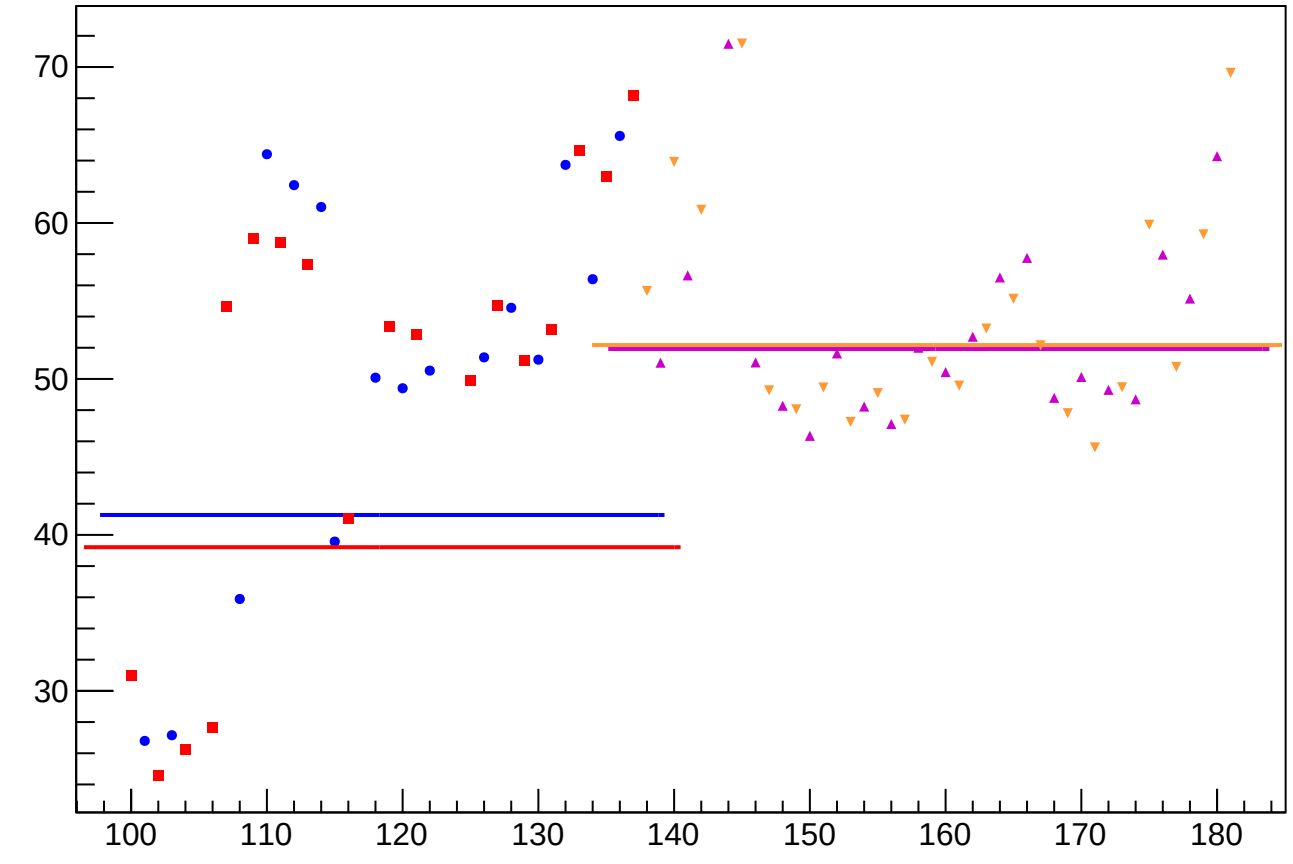
Right Out: -0.018+/-0.016 χ^2/NDF: 12.3/17

Left In: 0.026+/-0.013 χ^2/NDF:23.4/20

+ sign -0.001+/-0.010 χ^2/NDF: 36.4/37

All: 0.004+/-0.007 χ^2/NDF: 77.4/76

- sign 0.009+/-0.010 χ^2/NDF: 40.5/38



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

Left Out: 52.173+/-0.009 χ^2/NDF:466024.5/21

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

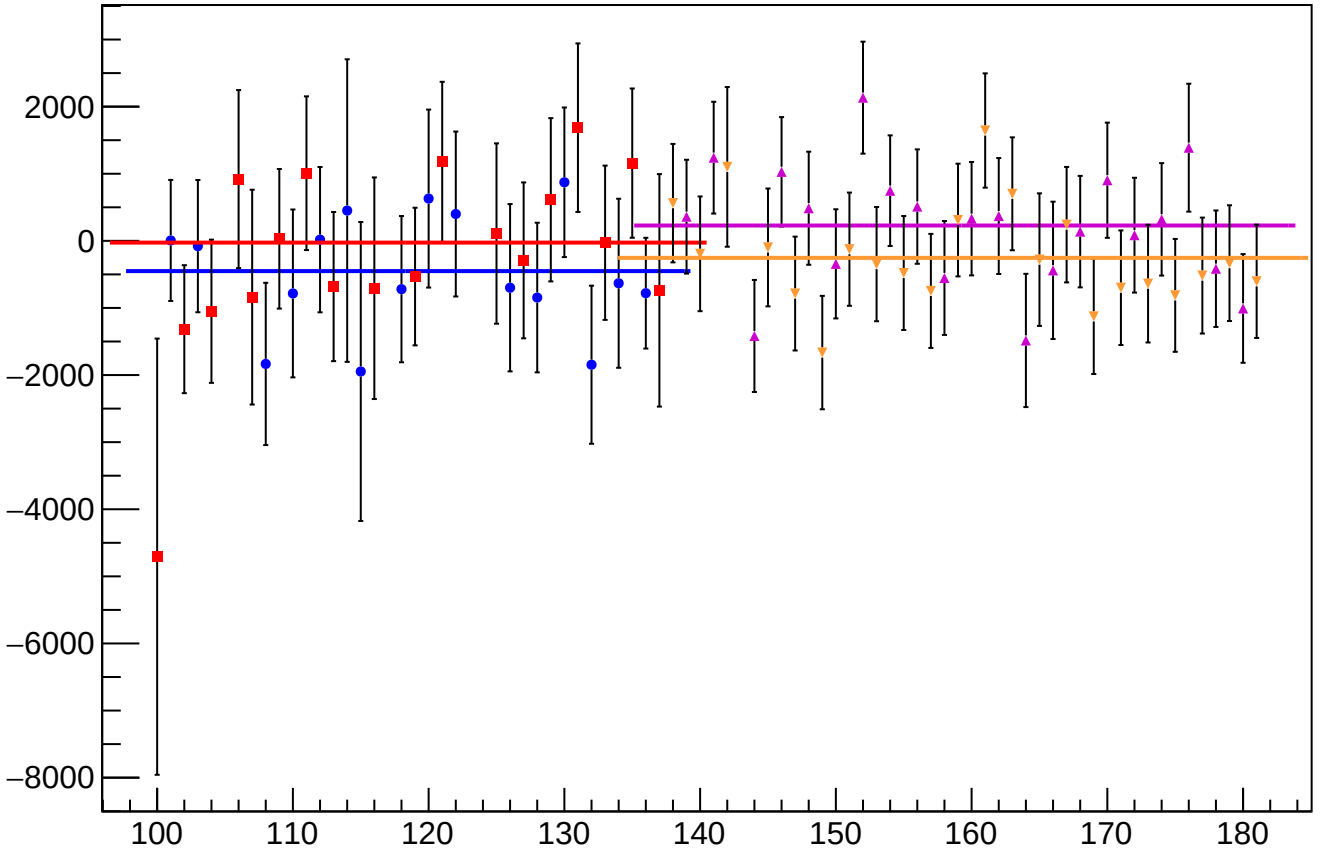
Left In: 51.918+/-0.009 χ^2/NDF:333760.7/20

+ sign 48.114+/-0.007 χ^2/NDF: 2516866.2/37

All: 47.487+/-0.005 χ^2/NDF: 5473106.6/76

- sign 46.882+/-0.007 χ^2/NDF: 2941062.5/38

reg_asym_us_dd_mean vs Slug



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

Left Out: -253.465+/-185.319 χ^2/NDF:15.1/21

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

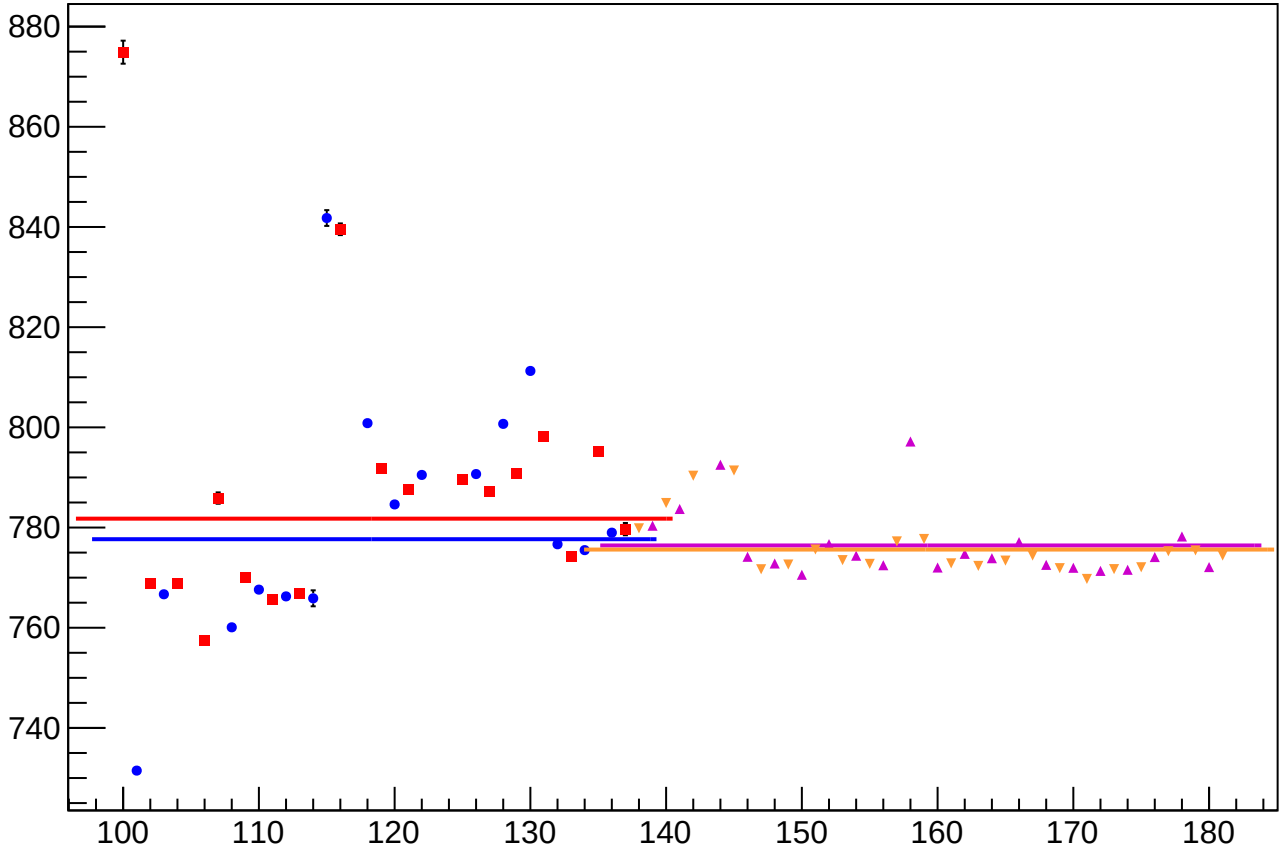
Left In: 228.494+/-186.918 χ^2/NDF:22.0/20

+ sign -311.023+/-155.993 χ^2/NDF: 22.3/37

All: -80.179+/-110.589 χ^2/NDF: 60.9/76

- sign 153.067+/-156.803 χ^2/NDF: 34.2/38

reg_asym_us_dd_rms vs Slug



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

Left Out: 775.606+/-0.131 χ^2/NDF:1634.7/21

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

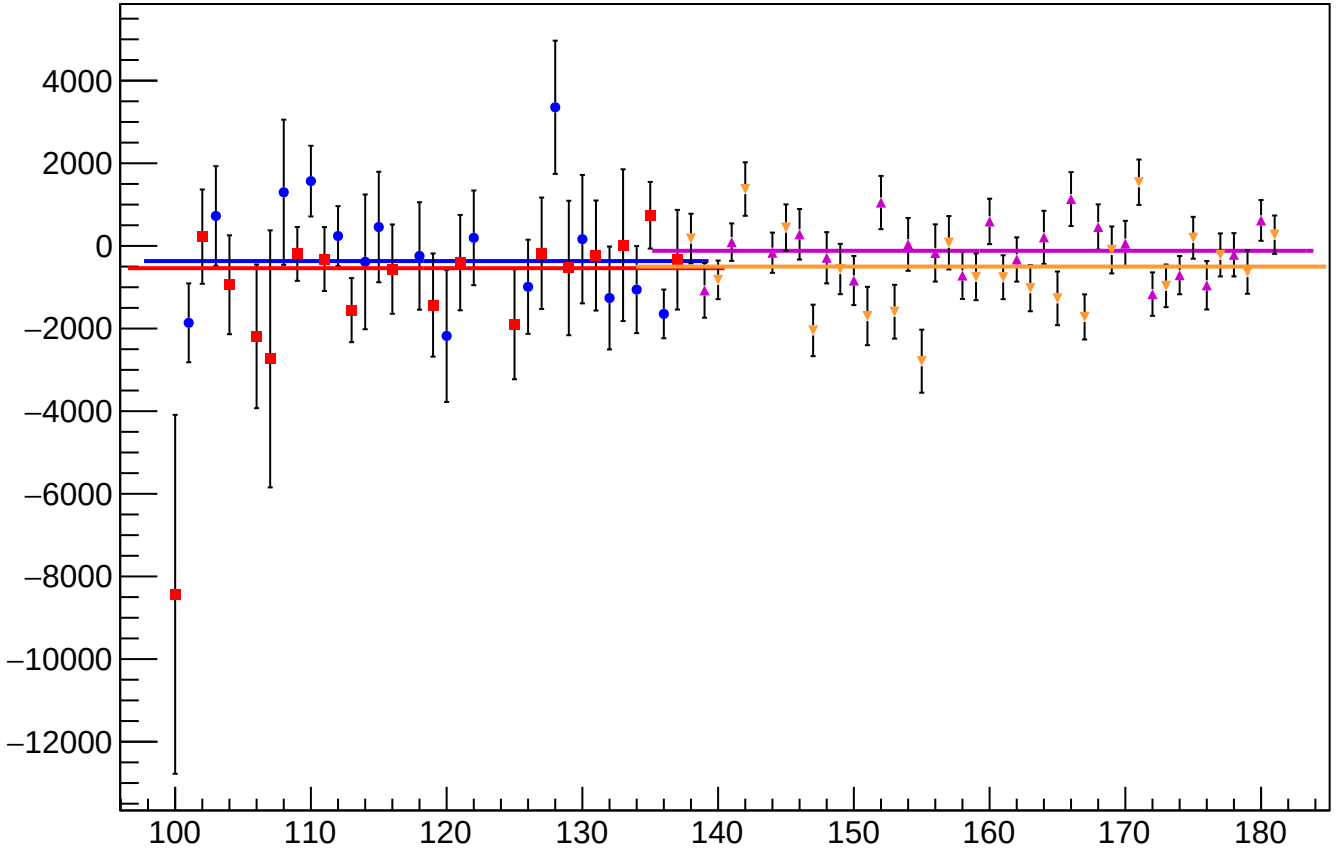
Left In: 776.424+/-0.132 χ^2/NDF:2734.5/20

+ sign 776.209+/-0.110 χ^2/NDF: 13762.7/37

All: 777.105+/-0.078 χ^2/NDF: 24742.0/76

- sign 778.010+/-0.111 χ^2/NDF: 10846.7/38

asym_us_dd_reg_correction_mean vs Slug



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

Left Out: -499.237+/-120.999 χ^2/NDF:62.5/21

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

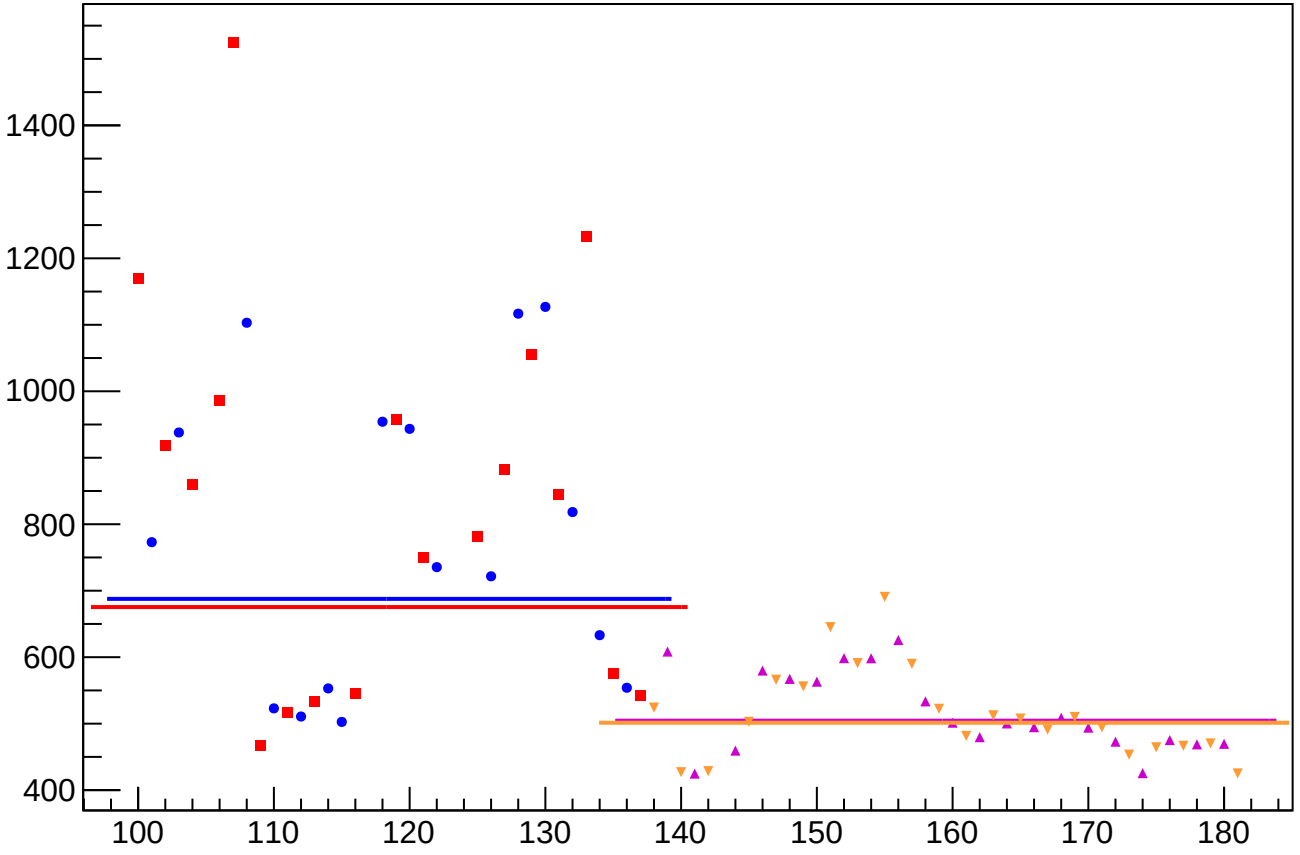
Left In: -117.961+/-122.489 χ^2/NDF:25.6/20

+ sign -476.665+/-110.189 χ^2/NDF: 86.0/37

All: -335.928+/-78.211 χ^2/NDF: 128.6/76

- sign -193.034+/-111.030 χ^2/NDF: 39.4/38

asym_us_dd_reg_correction_rms vs Slug



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

Left Out: 501.368+/-0.086 χ^2/NDF:504269.3/21

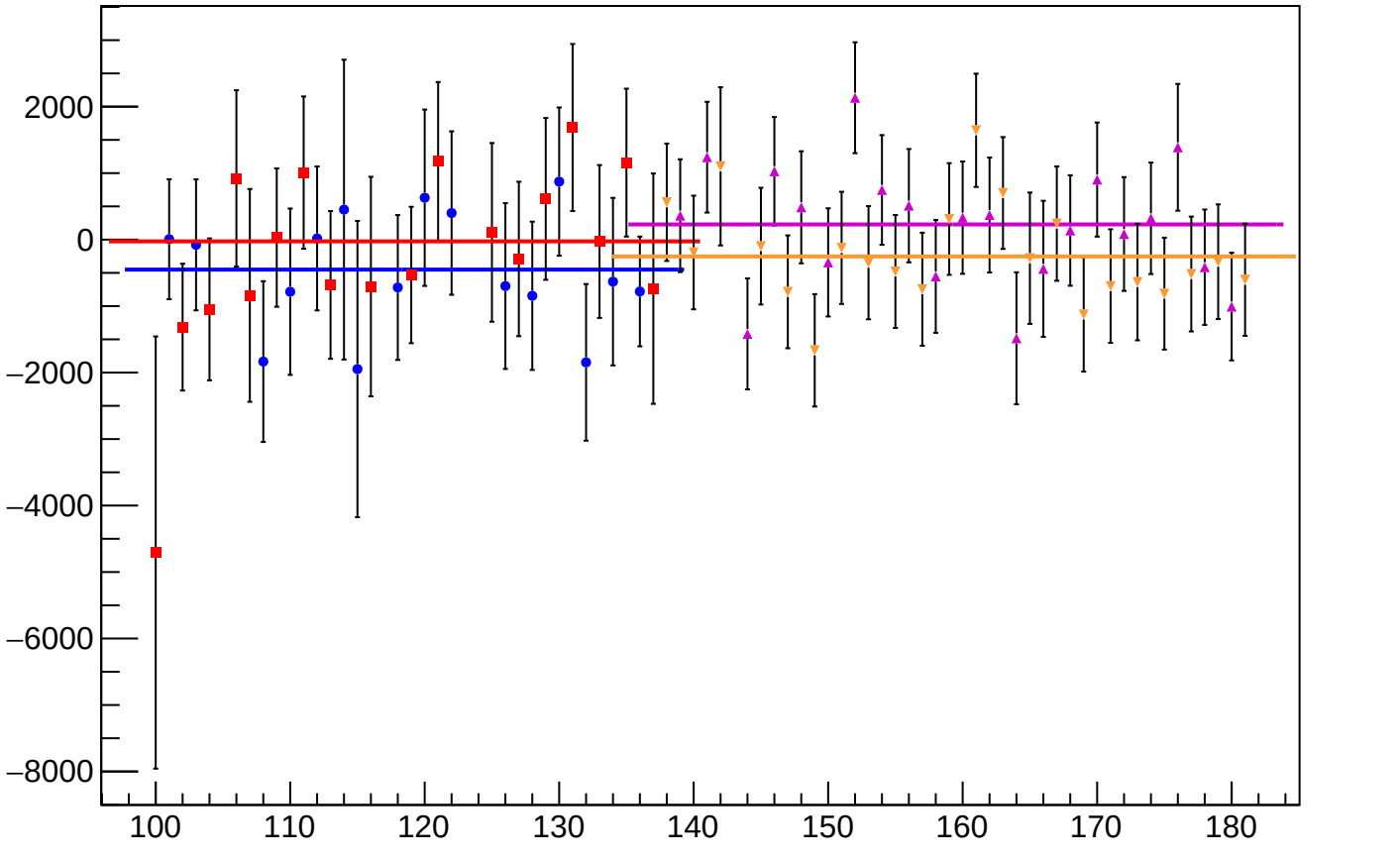
Right Out: 675.410+/-0.186 χ^2/NDF: 1313004.6/17

Left In: 504.503+/-0.087 χ^2/NDF:445923.4/20

+ sign 533.178+/-0.078 χ^2/NDF: 2345930.4/37

All: 534.074+/-0.055 χ^2/NDF: 4799556.4/76

- sign 534.984+/-0.079 χ^2/NDF: 2453359.4/38



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

Left Out: -253.465+/-185.319 χ^2/NDF:15.1/21

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

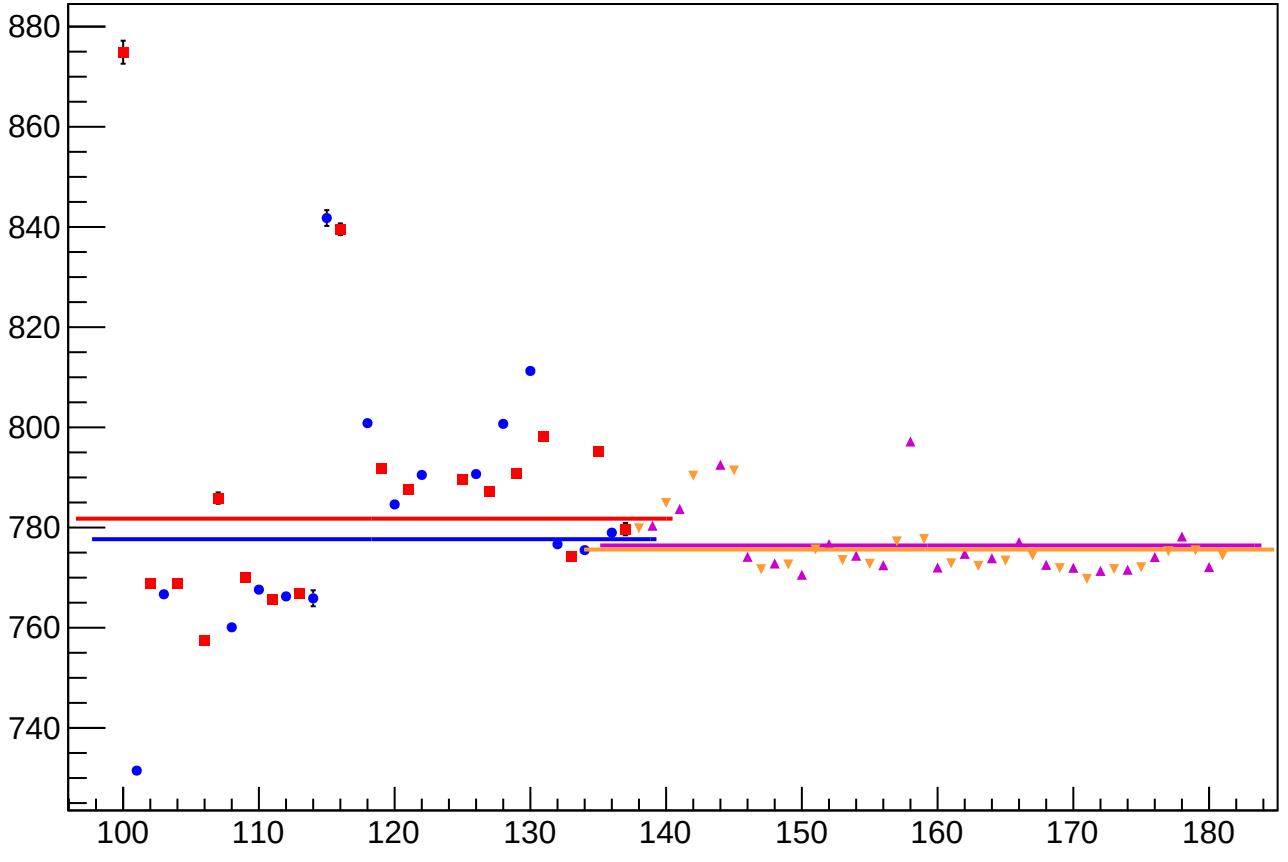
Left In: 228.494+/-186.918 χ^2/NDF:22.0/20

+ sign -311.023+/-155.993 χ^2/NDF: 22.3/37

All: -80.179+/-110.589 χ^2/NDF: 60.9/76

- sign 153.067+/-156.803 χ^2/NDF: 34.2/38

cor_asym_us_dd_rms vs Slug



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

Left Out: 775.606+/-0.131 χ^2/NDF:1634.7/21

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

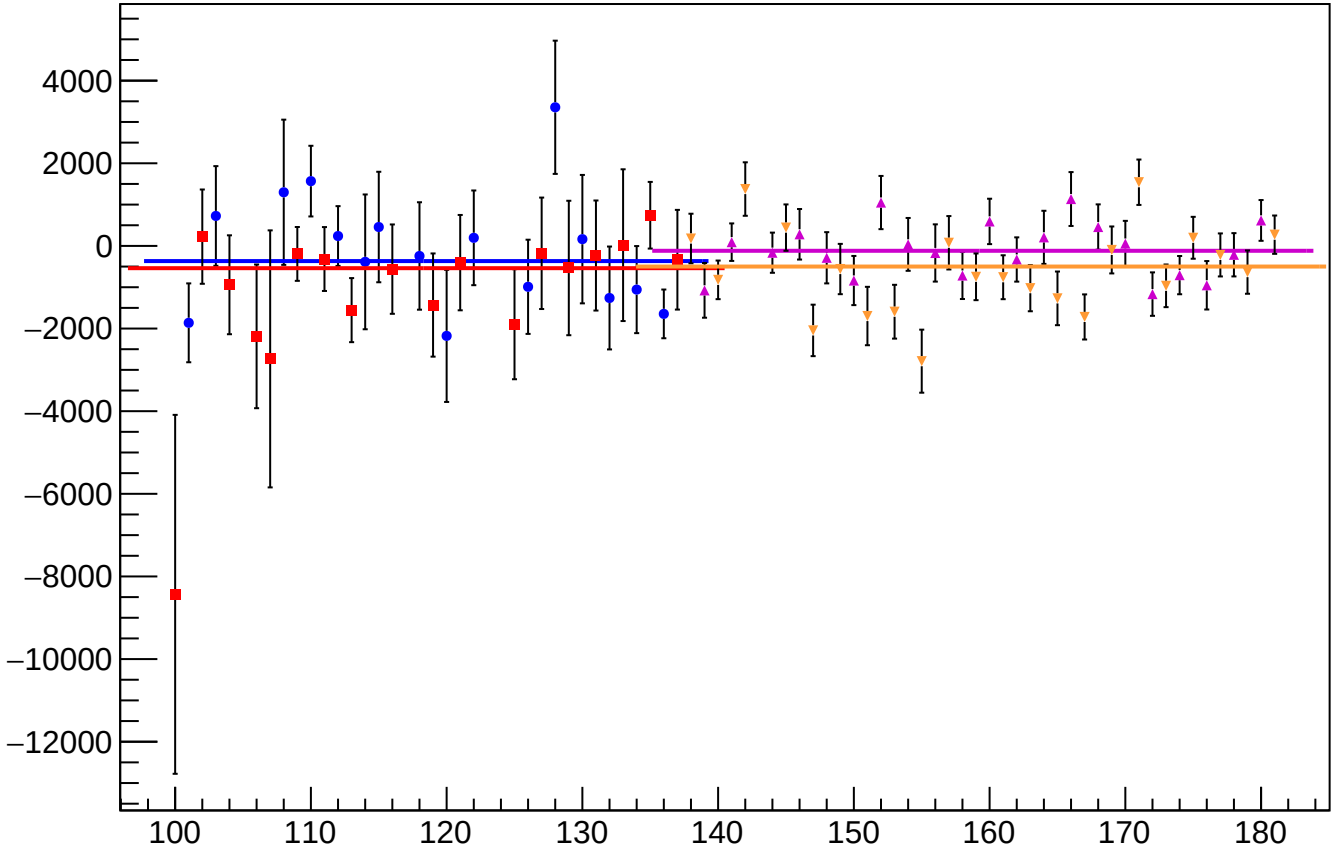
Left In: 776.424+/-0.132 χ^2/NDF:2734.5/20

+ sign 776.209+/-0.110 χ^2/NDF: 13762.7/37

All: 777.105+/-0.078 χ^2/NDF: 24742.0/76

- sign 778.010+/-0.111 χ^2/NDF: 10846.7/38

asym_us_dd_cor_correction_mean vs Slug



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

Left Out: -499.237+/-120.999 χ^2/NDF:62.5/21

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

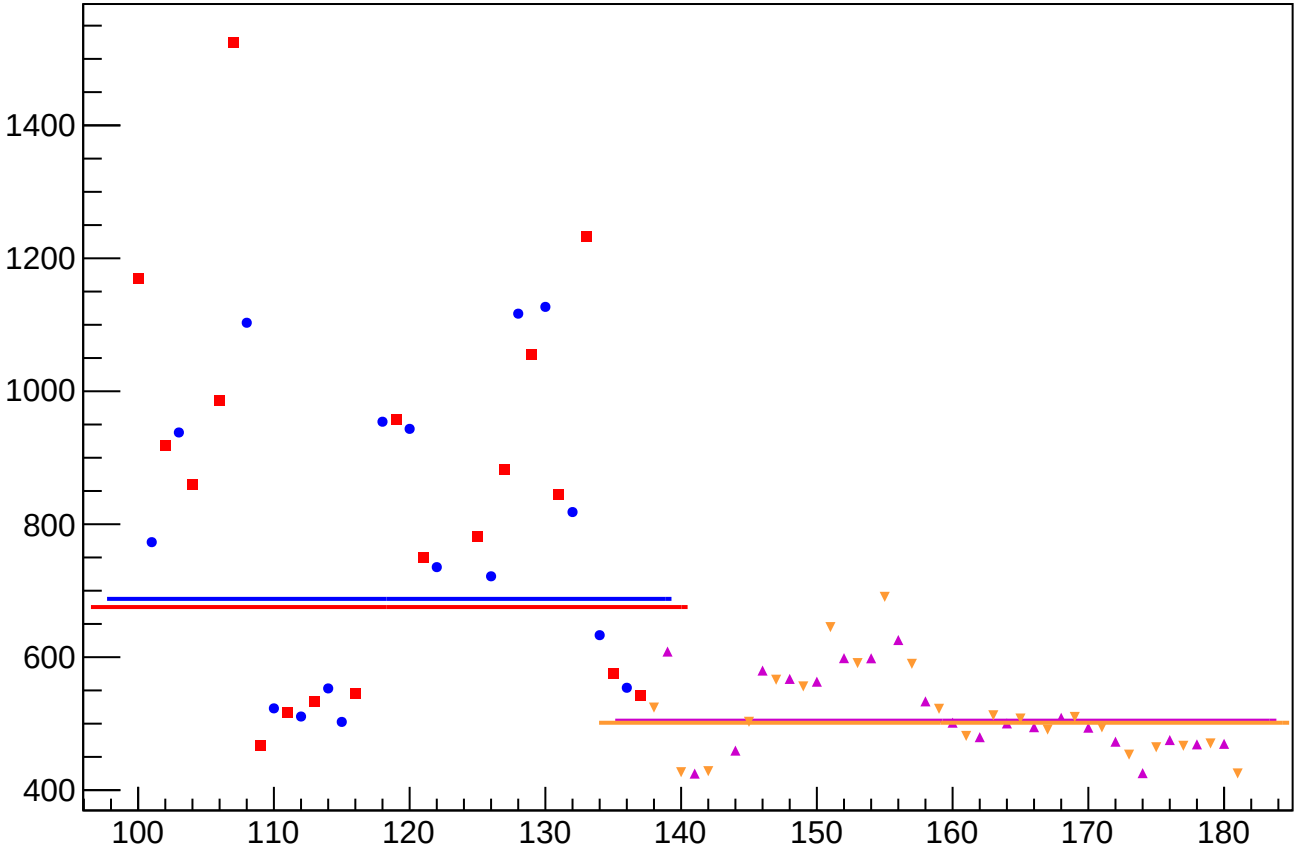
Left In: -117.961+/-122.489 χ^2/NDF:25.6/20

+ sign -476.665+/-110.189 χ^2/NDF: 86.0/37

All: -335.928+/-78.211 χ^2/NDF: 128.6/76

- sign -193.034+/-111.030 χ^2/NDF: 39.4/38

asym_us_dd_cor_correction_rms vs Slug



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

Left Out: 501.368+/-0.086 χ^2/NDF:504269.3/21

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

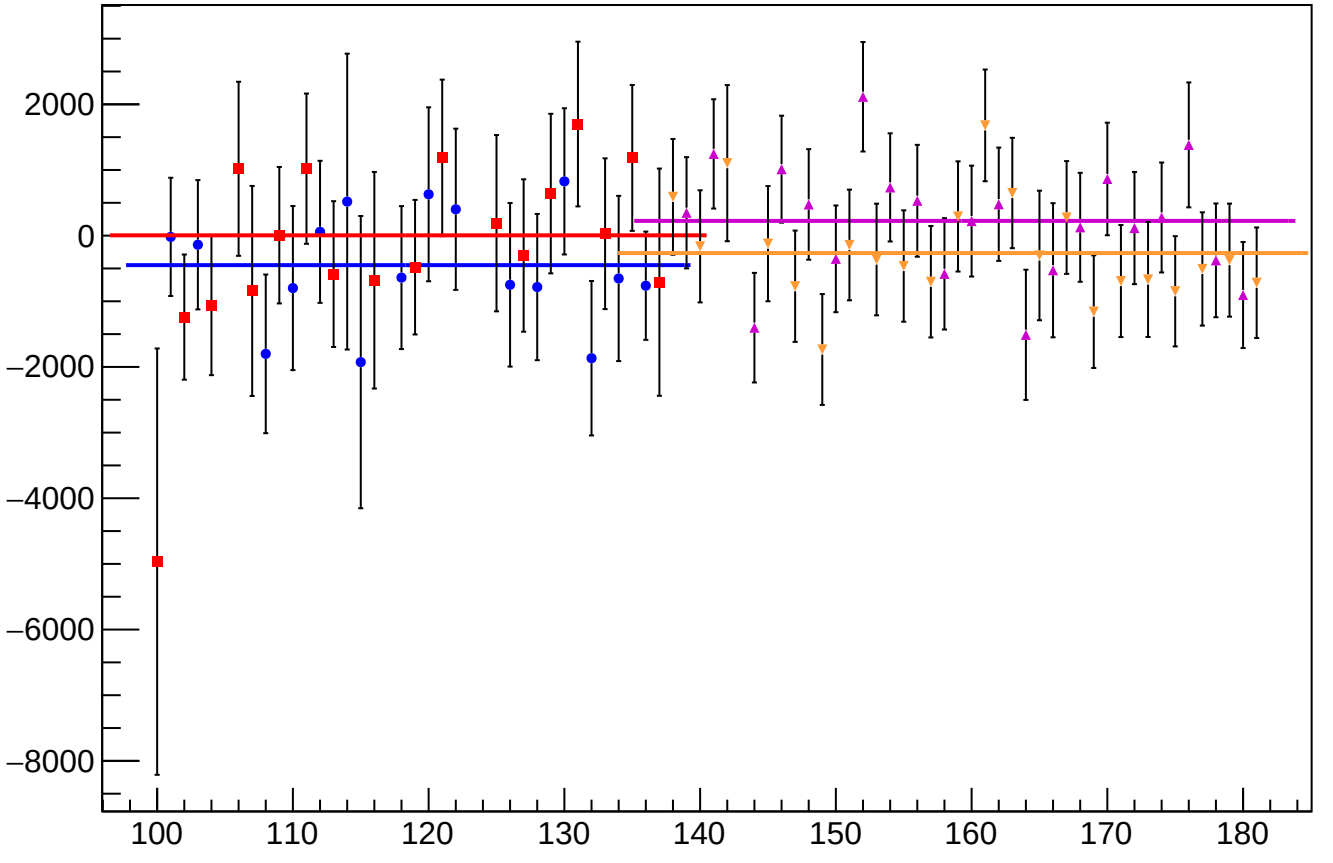
Left In: 504.503+/-0.087 χ^2/NDF:445923.4/20

+ sign 533.178+/-0.078 χ^2/NDF: 2345930.4/37

All: 534.074+/-0.055 χ^2/NDF: 4799556.4/76

- sign 534.984+/-0.079 χ^2/NDF: 2453359.4/38

overload_cor_asym_us_dd_mean vs Slug



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

Left Out: -265.298+/-185.117 χ^2/NDF:15.7/21

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

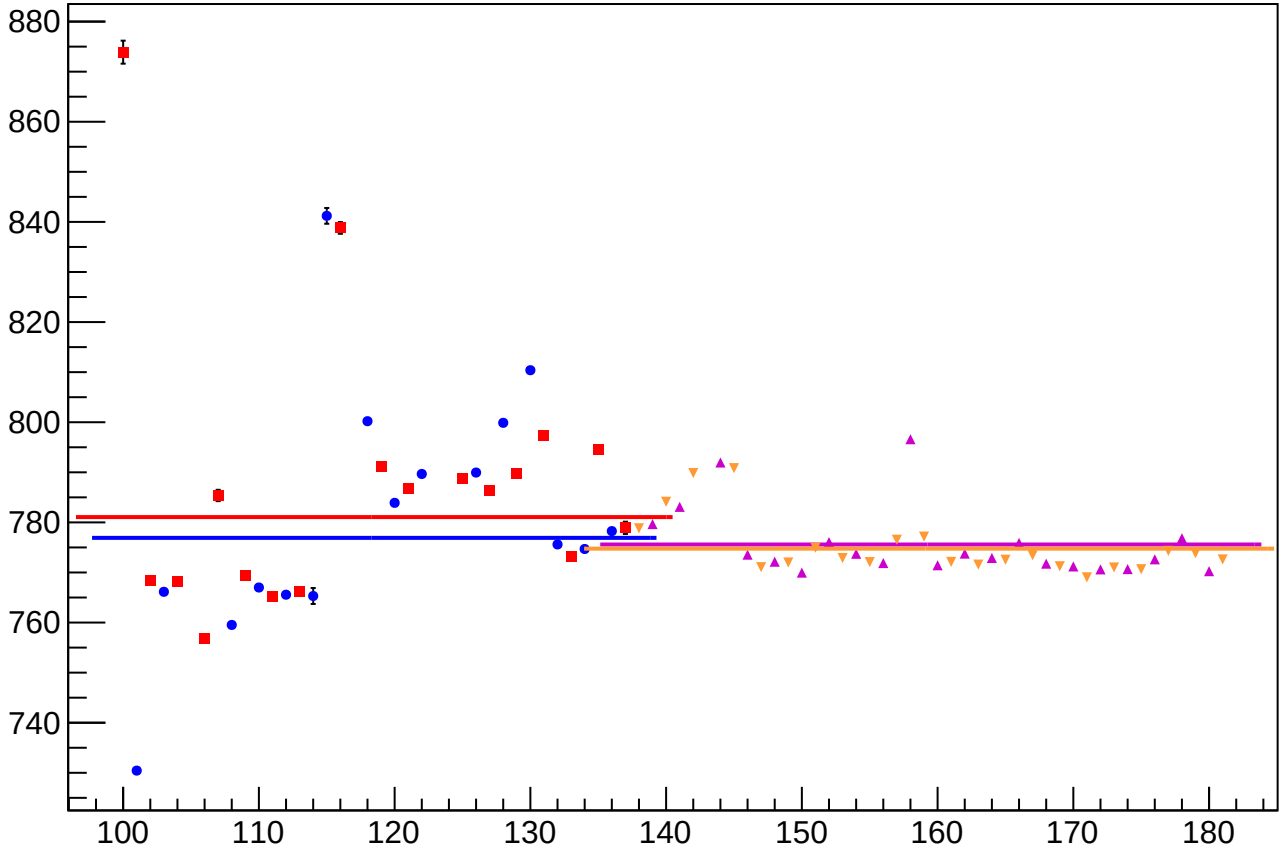
Left In: 224.511+/-186.716 χ^2/NDF:21.6/20

+ sign -318.955+/-155.828 χ^2/NDF: 22.7/37

All: -81.030+/-110.473 χ^2/NDF: 61.3/76

- sign 159.387+/-156.641 χ^2/NDF: 33.9/38

overload_cor_asym_us_dd_rms vs Slug



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

Left Out: 774.757+/-0.131 χ^2/NDF:1678.5/21

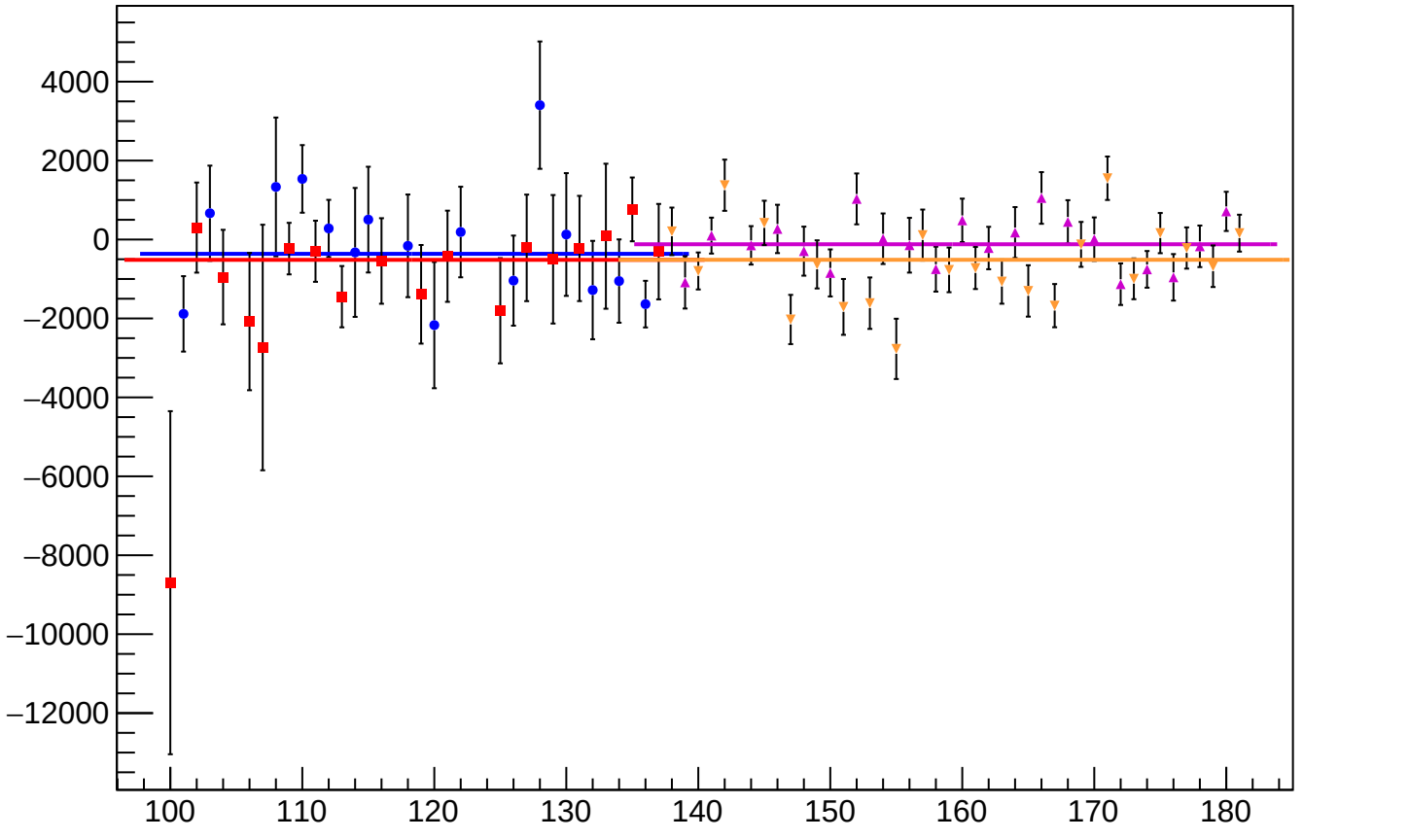
Right Out: 781.061+/-0.204 χ^2/NDF: 7585.8/17

Left In: 775.587+/-0.132 χ^2/NDF:2811.5/20

+ sign 775.385+/-0.110 χ^2/NDF: 13881.1/37

All: 776.292+/-0.078 χ^2/NDF: 24923.8/76

- sign 777.208+/-0.111 χ^2/NDF: 10906.5/38



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

Left Out: -513.679+/-121.359 χ^2/NDF:61.3/21

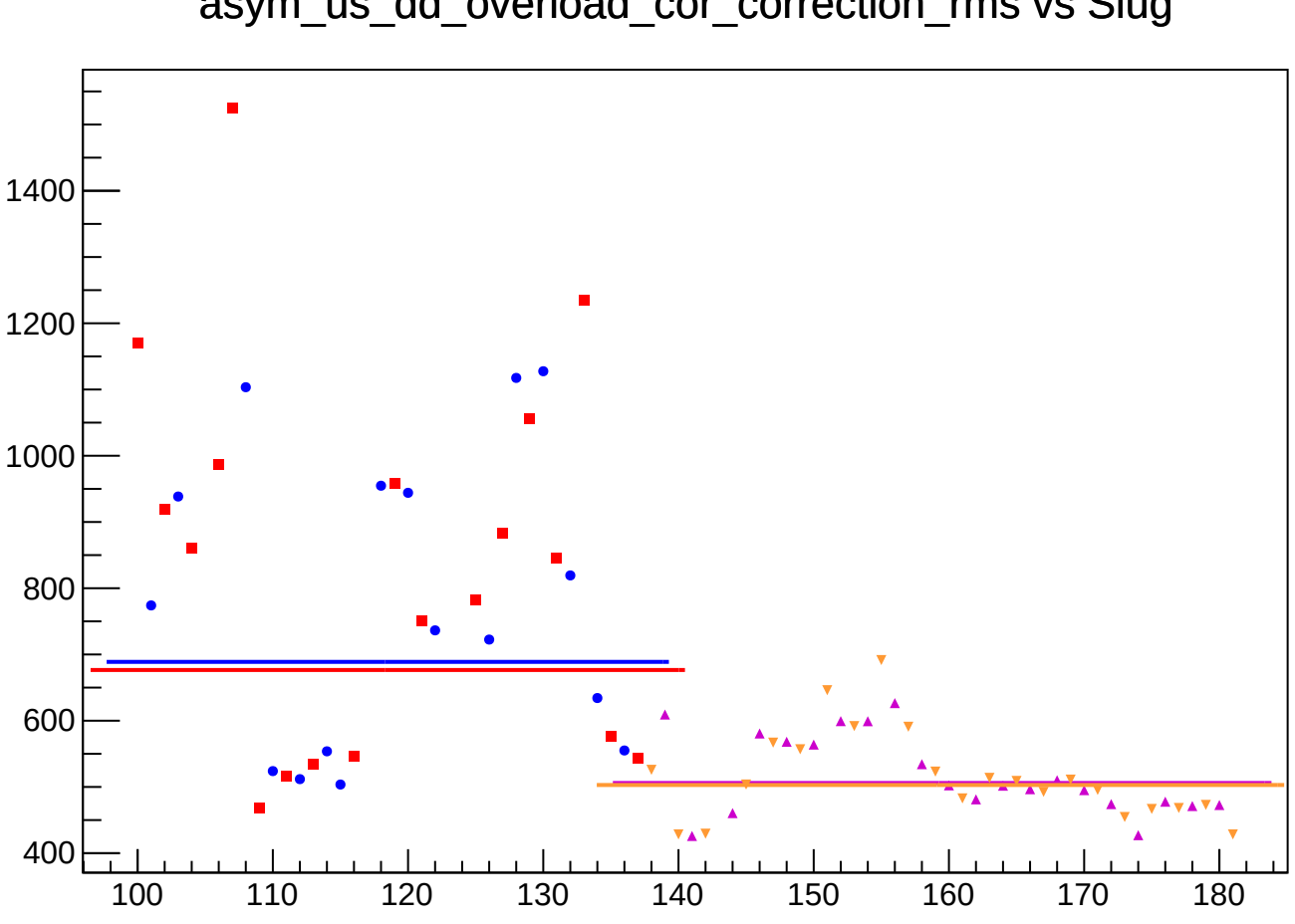
Right Out: -515.295+/-263.302 χ^2/NDF: 11.4/17

Left In: -120.003+/-122.834 χ^2/NDF:25.0/20

+ sign -487.861+/-110.488 χ^2/NDF: 84.9/37

All: -340.369+/-78.418 χ^2/NDF: 126.7/76

- sign -190.656+/-111.317 χ^2/NDF: 38.2/38



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

Left Out: 502.938+/-0.086 χ^2/NDF:495292.8/21

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

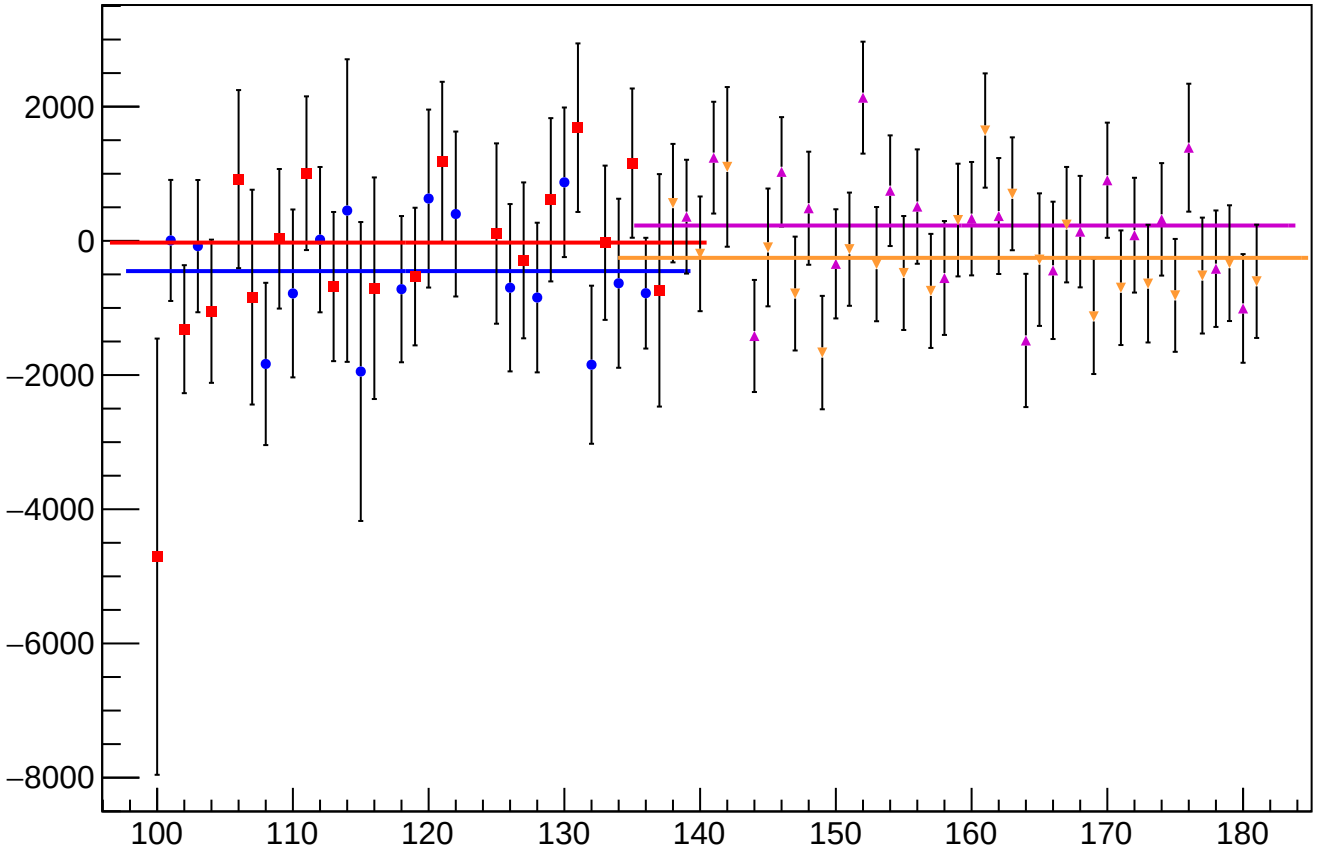
Left In: 505.983+/-0.087 χ^2/NDF:439271.0/20

+ sign 534.749+/-0.078 χ^2/NDF: 2326439.7/37

All: 535.605+/-0.055 χ^2/NDF: 4763447.9/76

- sign 536.473+/-0.079 χ^2/NDF: 2436766.6/38

eigen_cor_asym_us_dd_mean vs Slug



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

Left Out: -253.465+/-185.319 χ^2/NDF:15.1/21

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

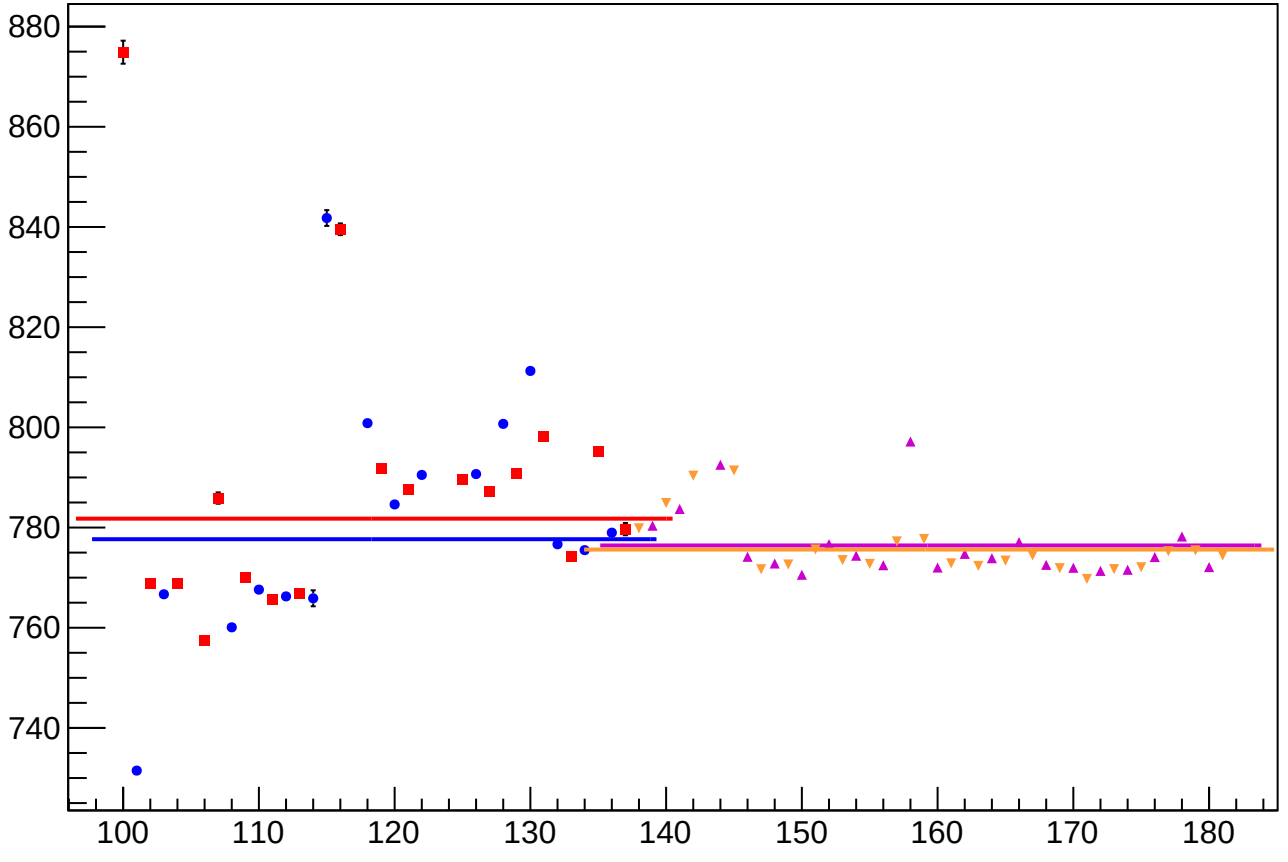
Left In: 228.494+/-186.918 χ^2/NDF:22.0/20

+ sign -311.023+/-155.993 χ^2/NDF: 22.3/37

All: -80.179+/-110.589 χ^2/NDF: 60.9/76

- sign 153.067+/-156.803 χ^2/NDF: 34.2/38

eigen_cor_asym_us_dd_rms vs Slug



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

Left Out: 775.606+/-0.131 χ^2/NDF:1634.7/21

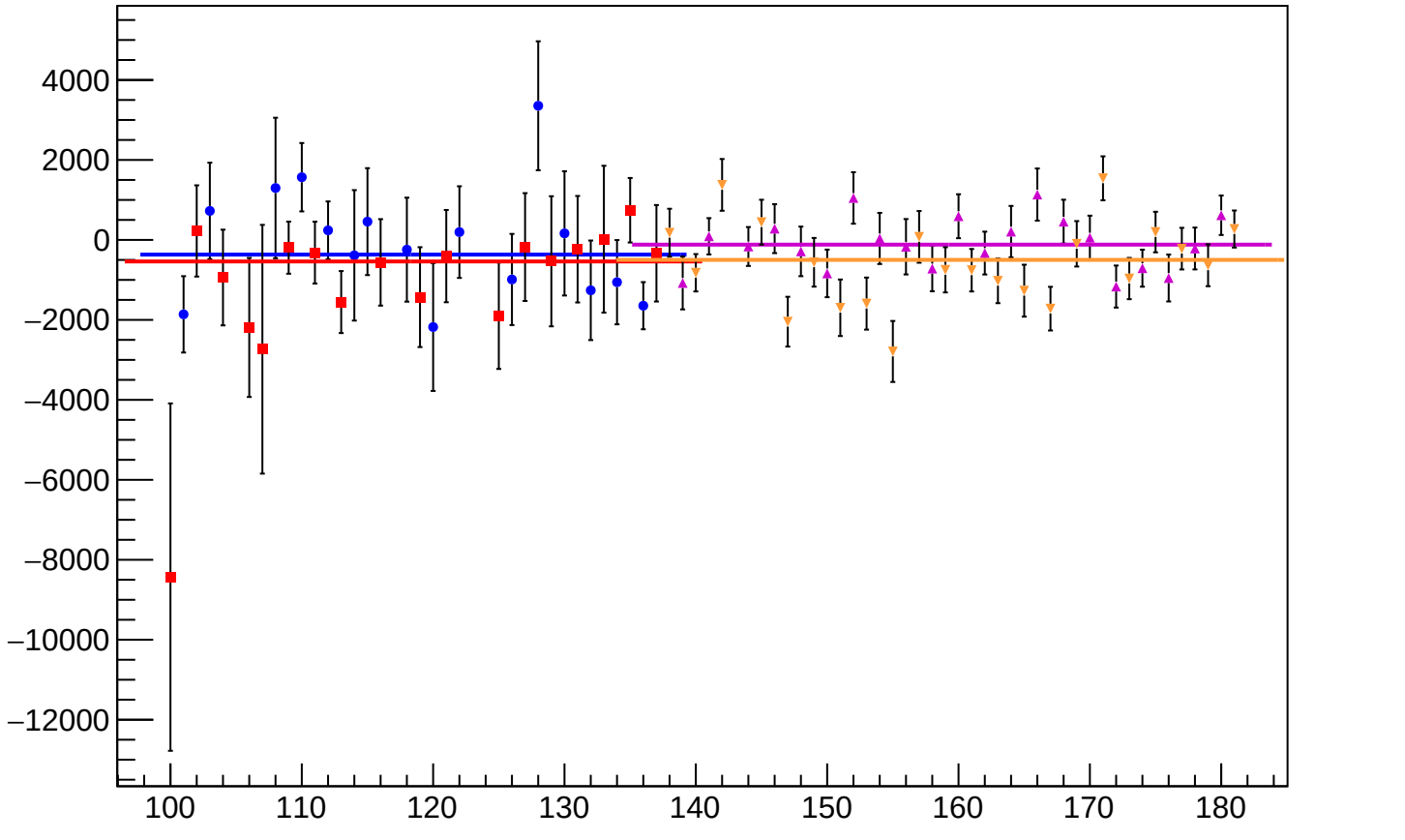
Right Out: 781.777+/-0.204 χ^2/NDF: 7626.3/17

Left In: 776.424+/-0.132 χ^2/NDF:2734.5/20

+ sign 776.209+/-0.110 χ^2/NDF: 13762.7/37

All: 777.105+/-0.078 χ^2/NDF: 24742.0/76

- sign 778.010+/-0.111 χ^2/NDF: 10846.7/38



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

Left Out: -499.237+/-120.999 χ^2/NDF:62.5/21

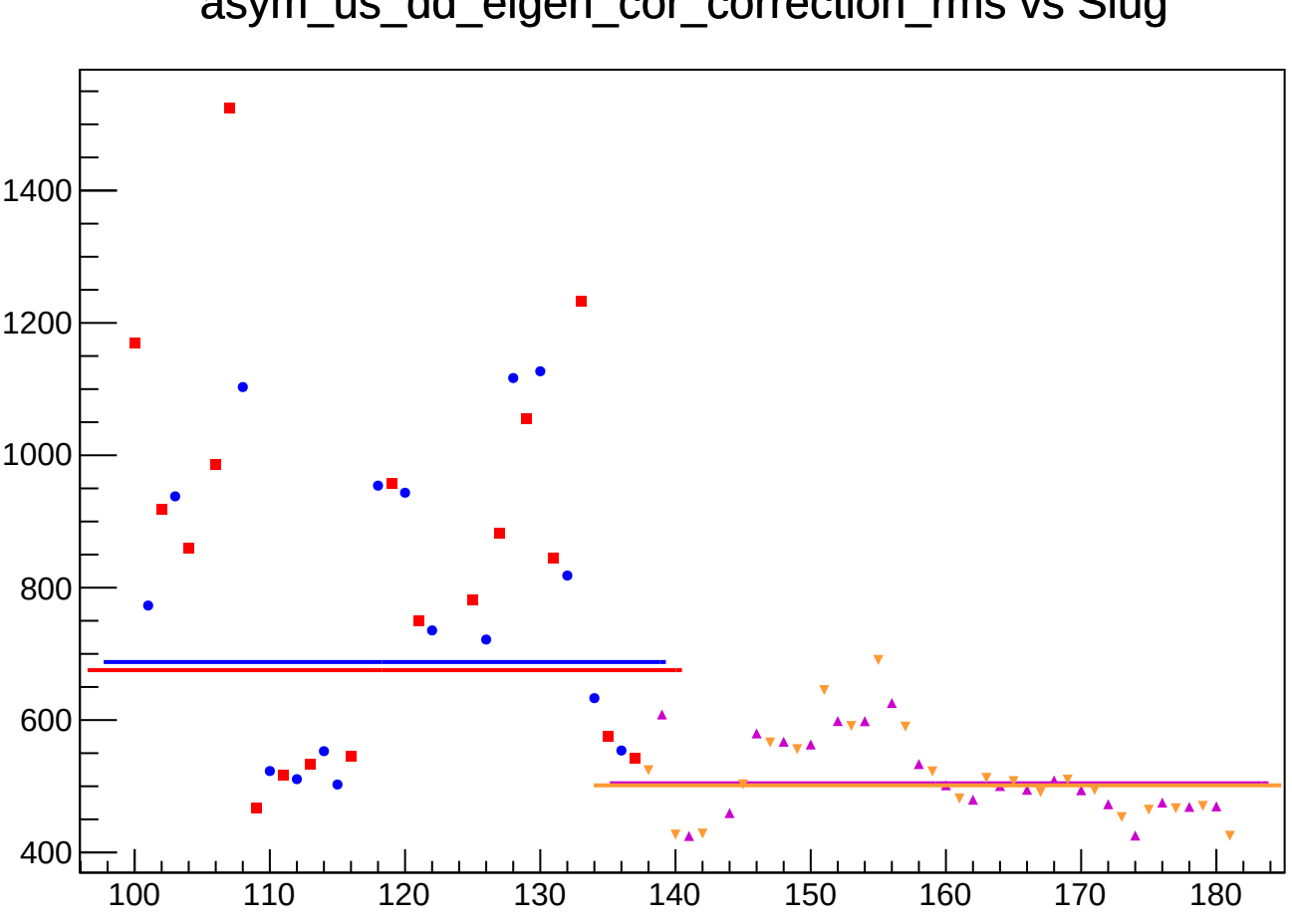
Right Out: -538.887+/-262.907 χ^2/NDF: 11.7/17

Left In: -117.961+/-122.489 χ^2/NDF:25.6/20

\+ sign -476.665+/-110.189 χ^2/NDF: 86.0/37

All: -335.928+/-78.211 χ^2/NDF: 128.6/76

\- sign -193.034+/-111.030 χ^2/NDF: 39.4/38



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

Left Out: 501.368+/-0.086 χ^2/NDF:504269.3/21

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

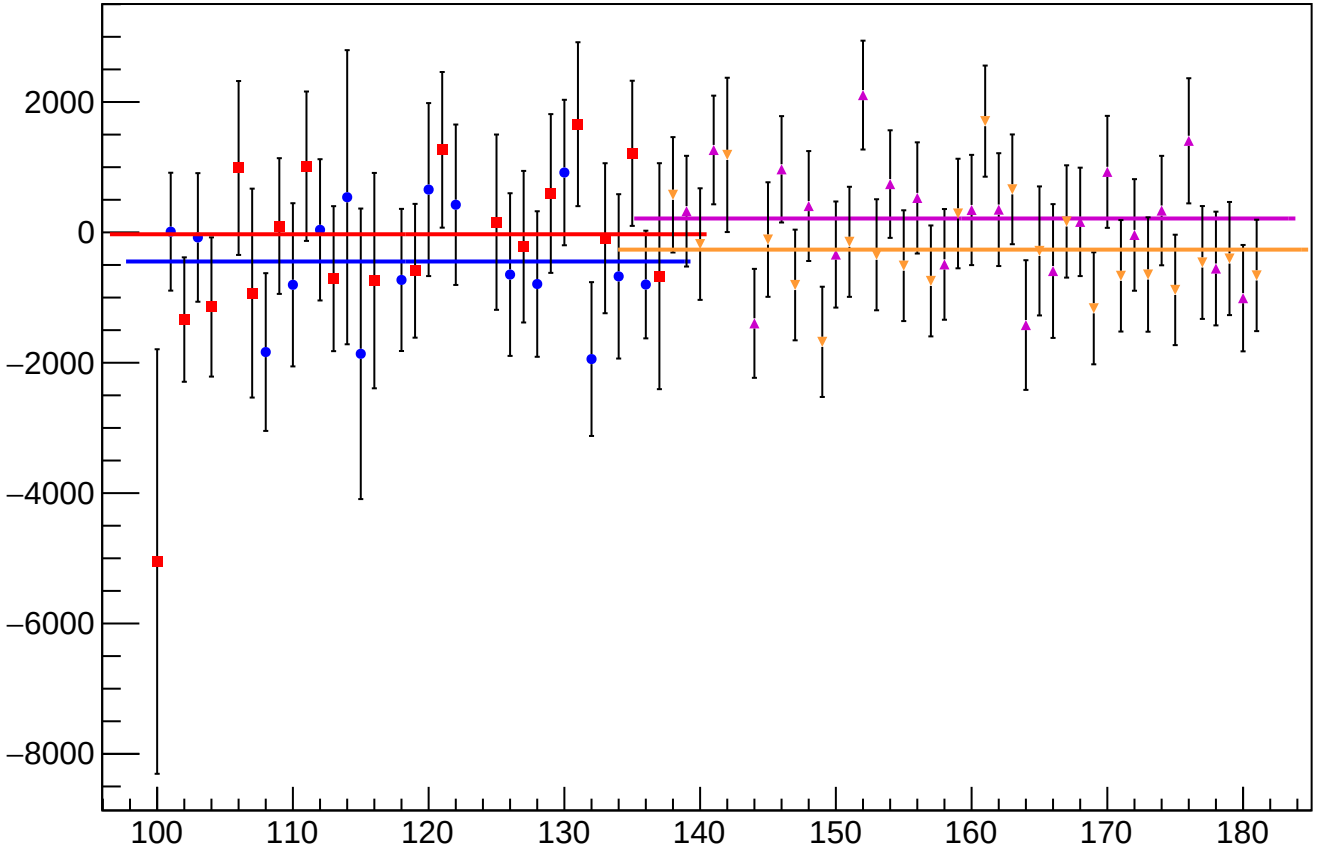
Left In: 504.503+/-0.087 χ^2/NDF:445923.4/20

+ sign 533.178+/-0.078 χ^2/NDF: 2345930.4/37

All: 534.074+/-0.055 χ^2/NDF: 4799556.4/76

- sign 534.984+/-0.079 χ^2/NDF: 2453359.4/38

dit_asym_us_dd_mean vs Slug



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

Left Out: -264.554+/-185.694 χ^2/NDF:15.7/21

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

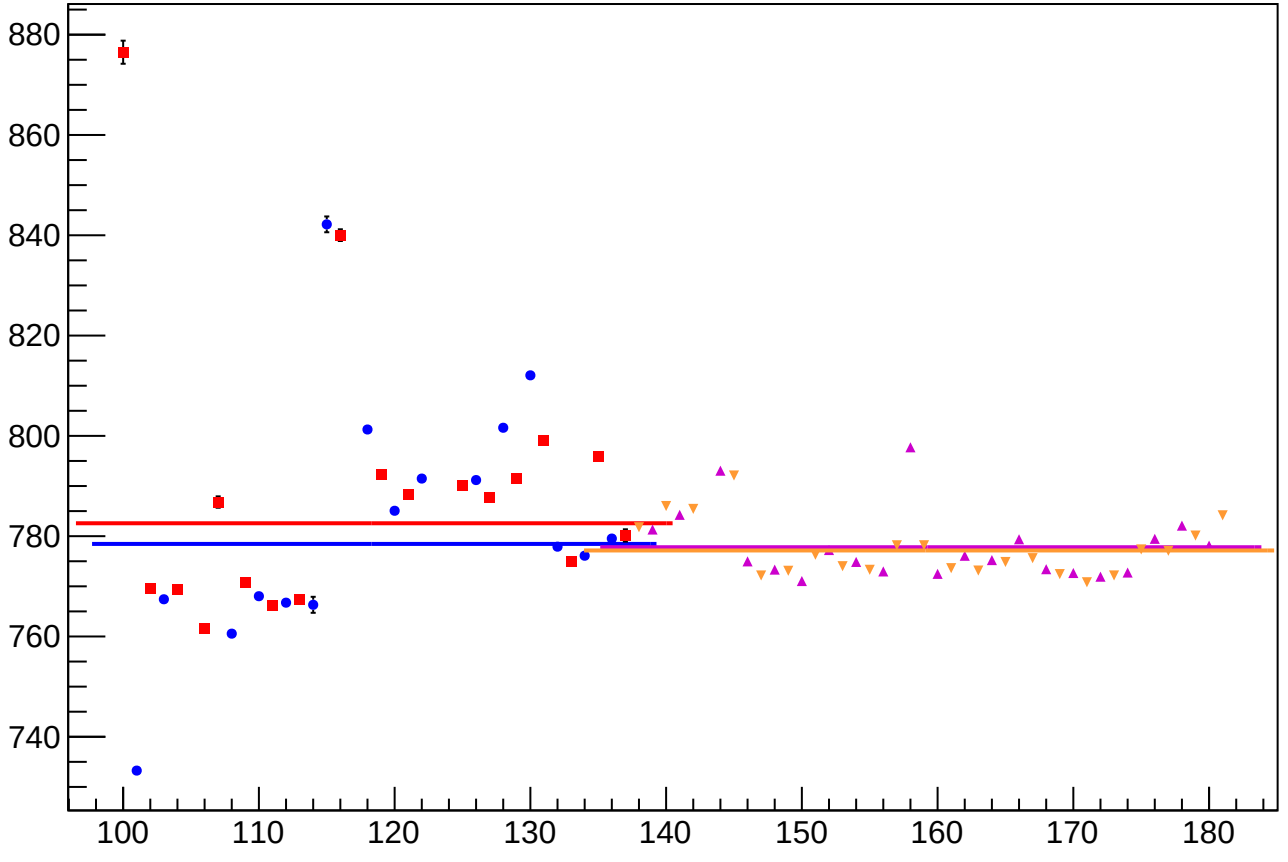
Left In: 212.996+/-187.248 χ^2/NDF:21.8/20

+ sign -317.706+/-156.262 χ^2/NDF: 23.2/37

All: -89.357+/-110.770 χ^2/NDF: 62.4/76

- sign 141.287+/-157.045 χ^2/NDF: 34.9/38

dit_asym_us_dd_rms vs Slug



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

Left Out: 777.152+/-0.131 χ^2/NDF:1626.6/21

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

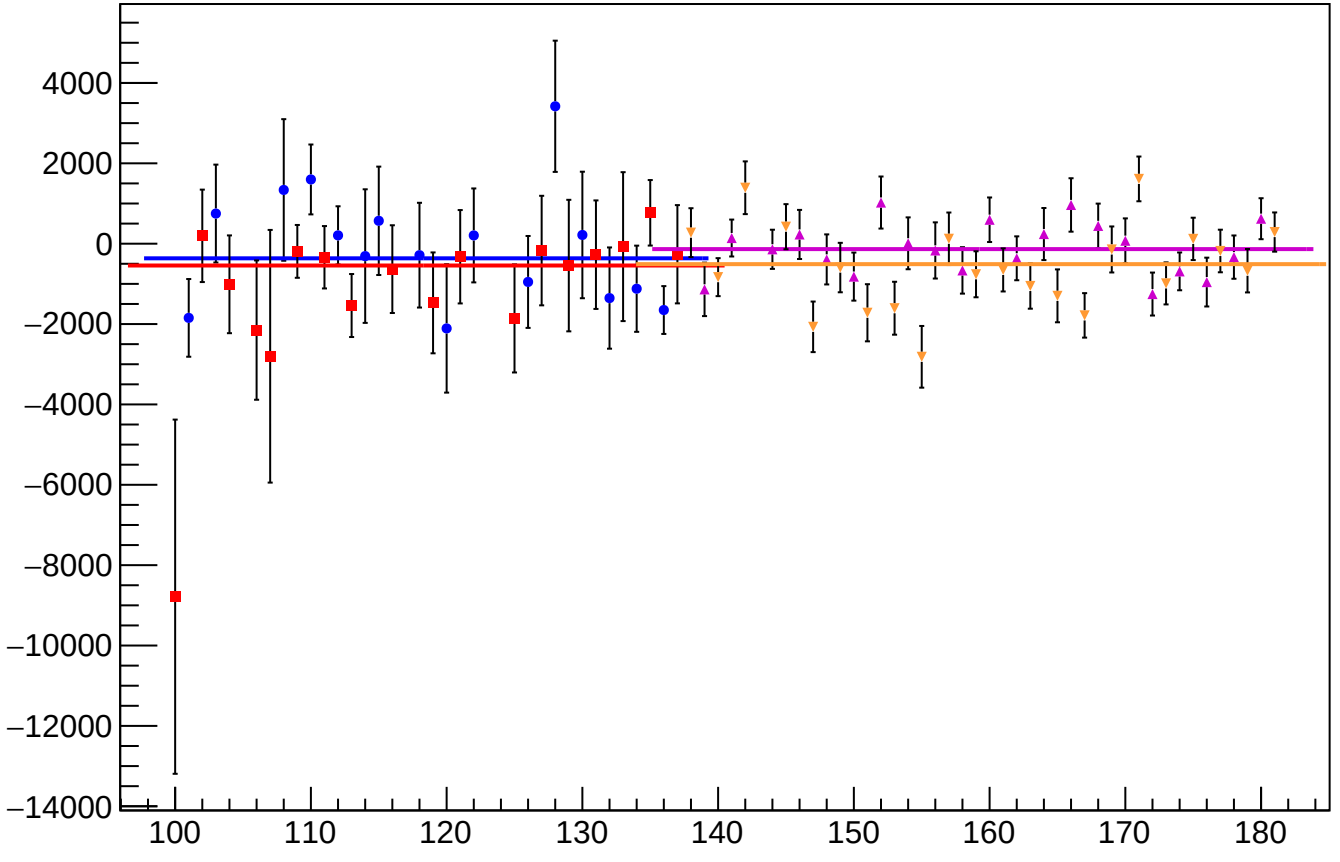
Left In: 777.797+/-0.132 χ^2/NDF:2683.3/20

+ sign 777.533+/-0.110 χ^2/NDF: 13450.5/37

All: 778.369+/-0.078 χ^2/NDF: 24116.7/76

- sign 779.214+/-0.111 χ^2/NDF: 10551.0/38

asym_us_dd_dit_correction_mean vs Slug



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

Left Out: -509.109+/-122.984 χ^2/NDF:63.3/21

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

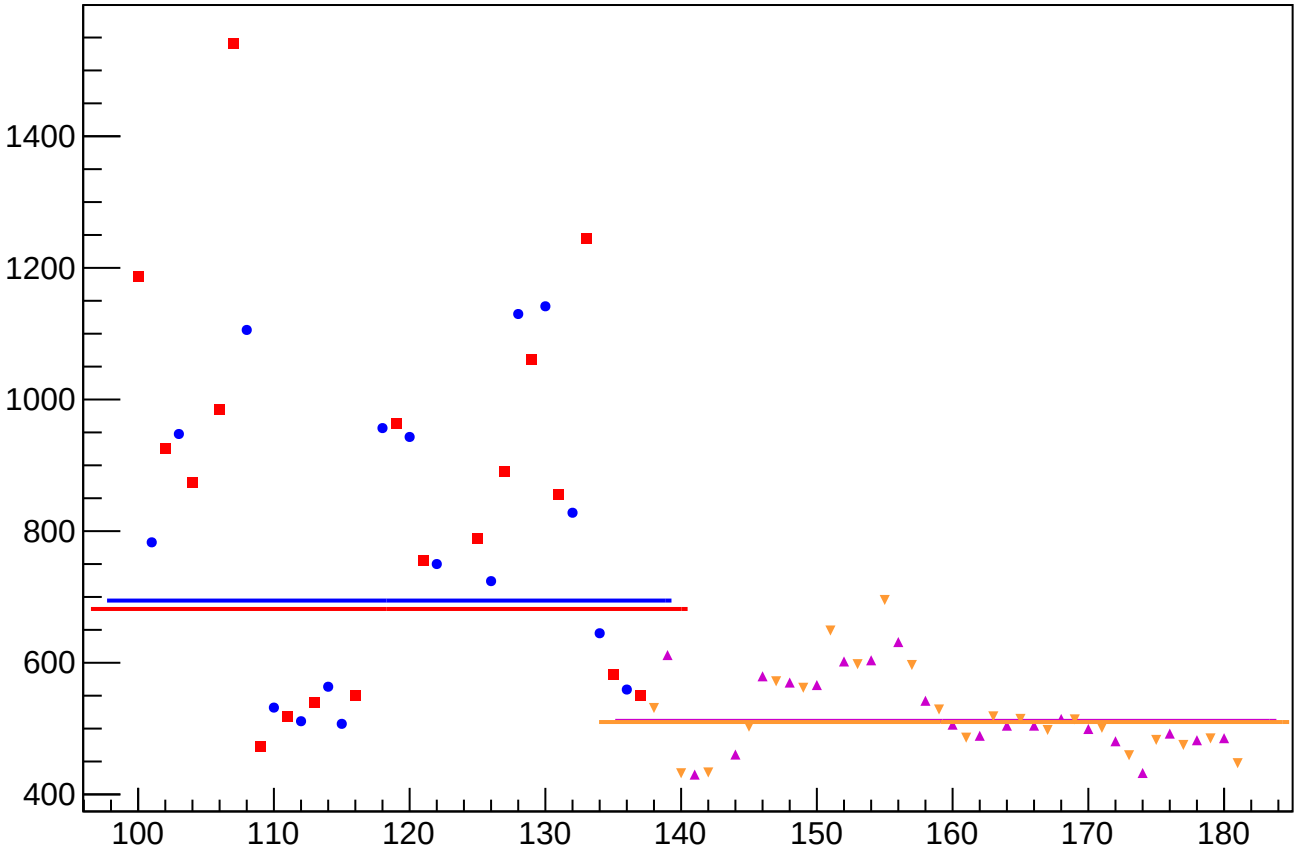
Left In: -134.691+/-124.169 χ^2/NDF:24.7/20

+ sign -484.066+/-111.872 χ^2/NDF: 86.9/37

All: -346.782+/-79.312 χ^2/NDF: 128.3/76

- sign -208.051+/-112.459 χ^2/NDF: 38.4/38

asym_us_dd_dit_correction_rms vs Slug



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

Left Out: 509.971+/-0.087 χ^2/NDF:459815.3/21

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

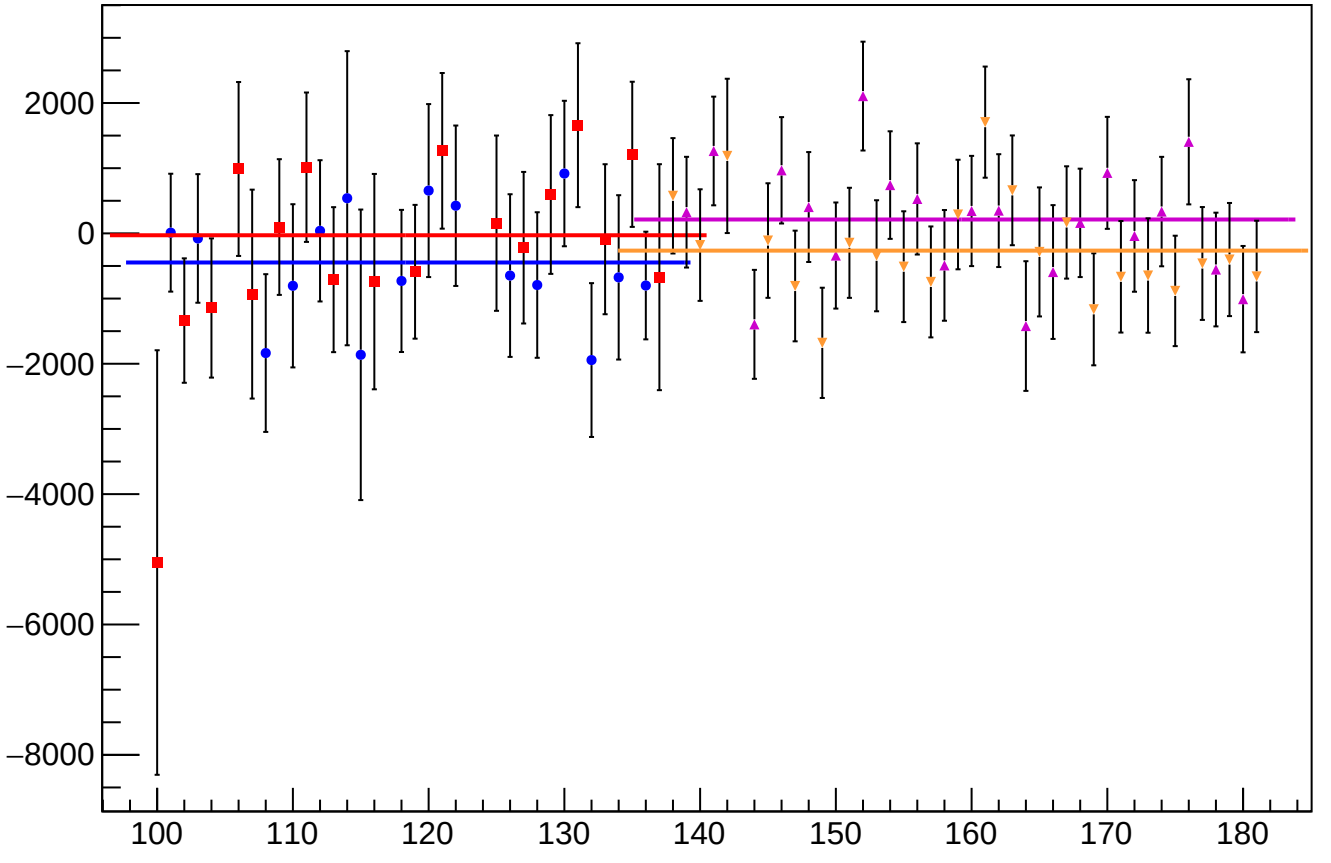
Left In: 511.734+/-0.088 χ^2/NDF:414743.7/20

+ sign 541.816+/-0.079 χ^2/NDF: 2266807.9/37

All: 542.051+/-0.056 χ^2/NDF: 4666721.5/76

- sign 542.289+/-0.080 χ^2/NDF: 2399895.8/38

eigen_dit_asym_us_dd_mean vs Slug



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

Left Out: -264.555+/-185.694 χ^2/NDF:15.7/21

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

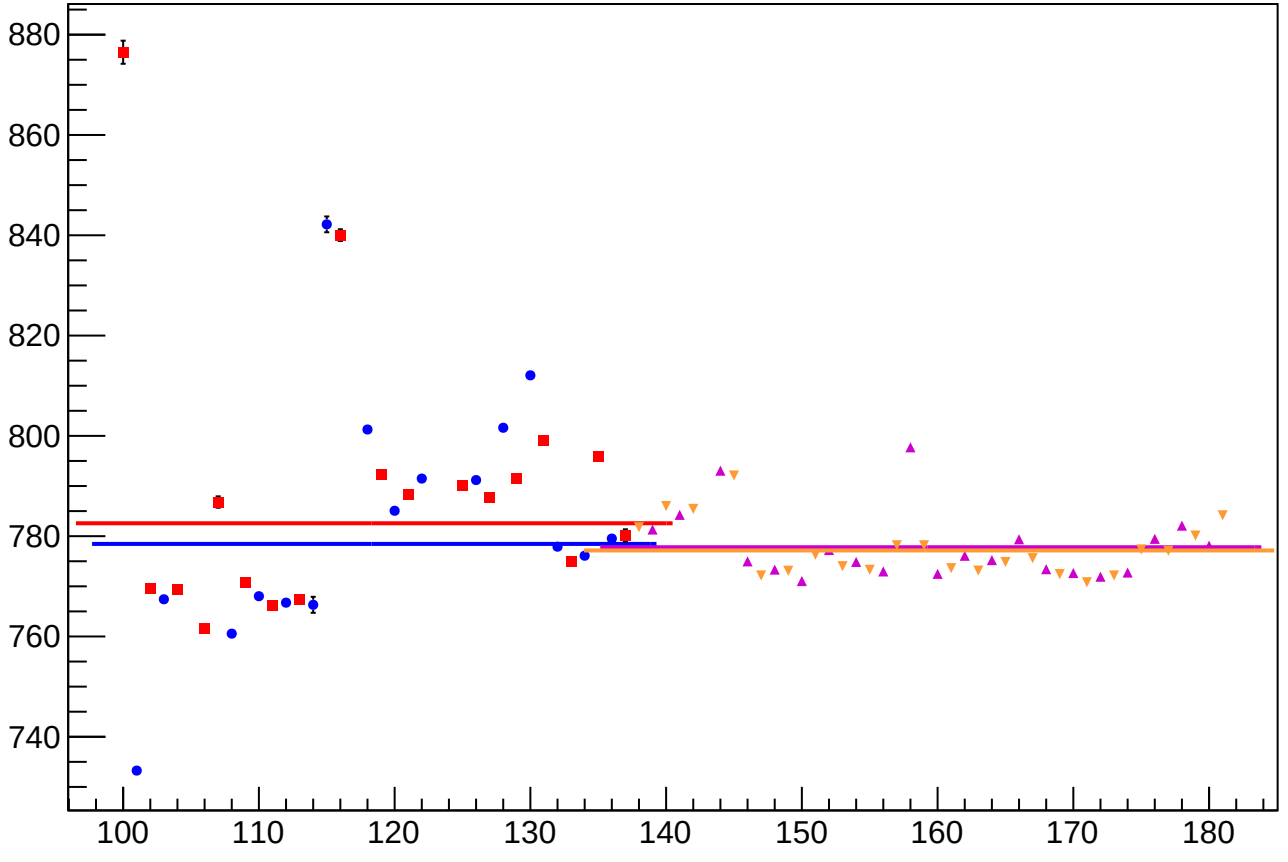
Left In: 212.995+/-187.248 χ^2/NDF:21.8/20

+ sign -317.706+/-156.262 χ^2/NDF: 23.2/37

All: -89.357+/-110.770 χ^2/NDF: 62.4/76

- sign 141.287+/-157.045 χ^2/NDF: 34.9/38

eigen_dit_asym_us_dd_rms vs Slug



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

Left Out: 777.152+/-0.131 χ^2/NDF:1626.6/21

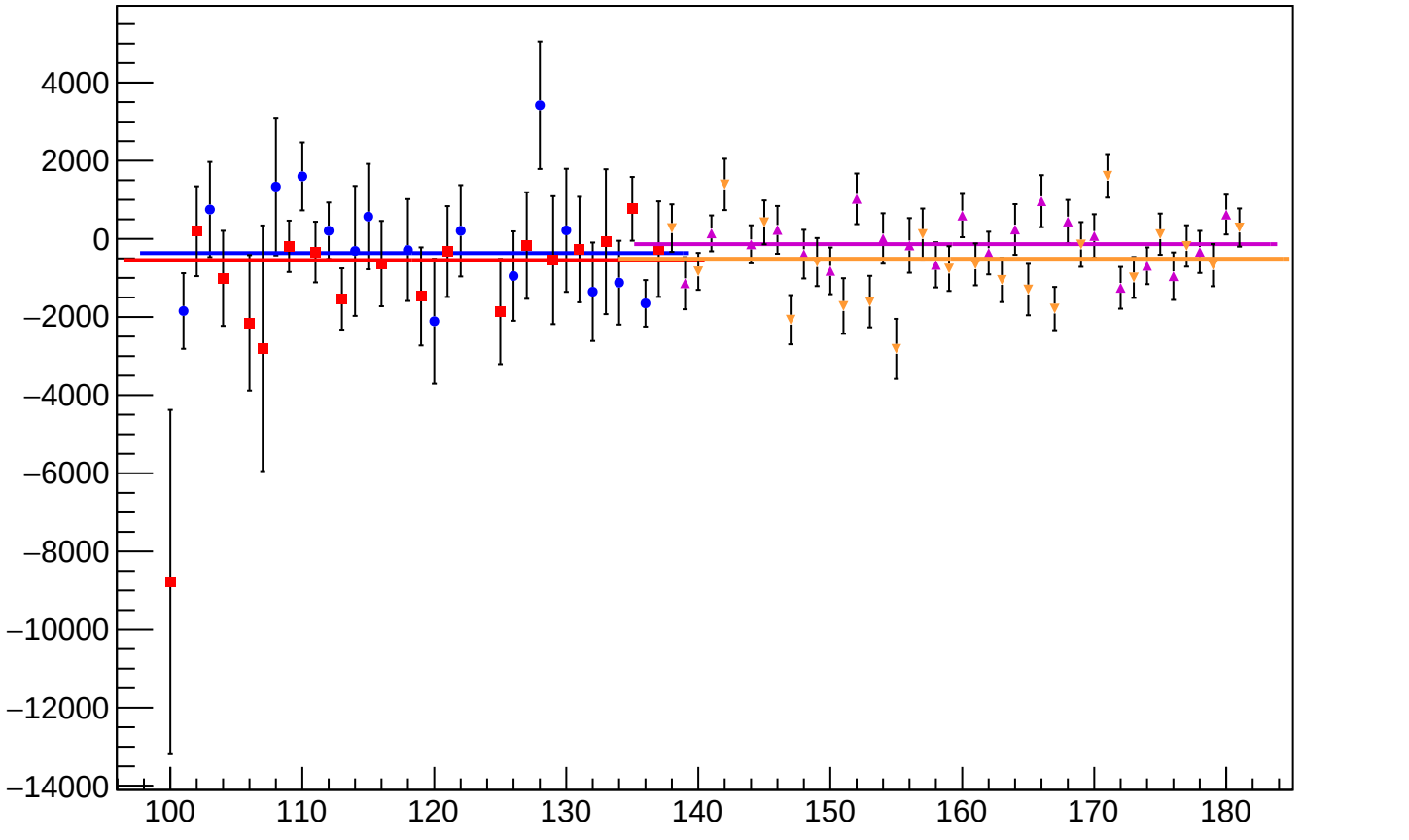
Right Out: 782.575+/-0.204 χ^2/NDF: 7481.4/17

Left In: 777.797+/-0.132 χ^2/NDF:2683.3/20

+ sign 777.533+/-0.110 χ^2/NDF: 13450.5/37

All: 778.369+/-0.078 χ^2/NDF: 24116.7/76

- sign 779.214+/-0.111 χ^2/NDF: 10551.0/38



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

Left Out: -509.109+/-122.984 χ^2/NDF:63.3/21

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

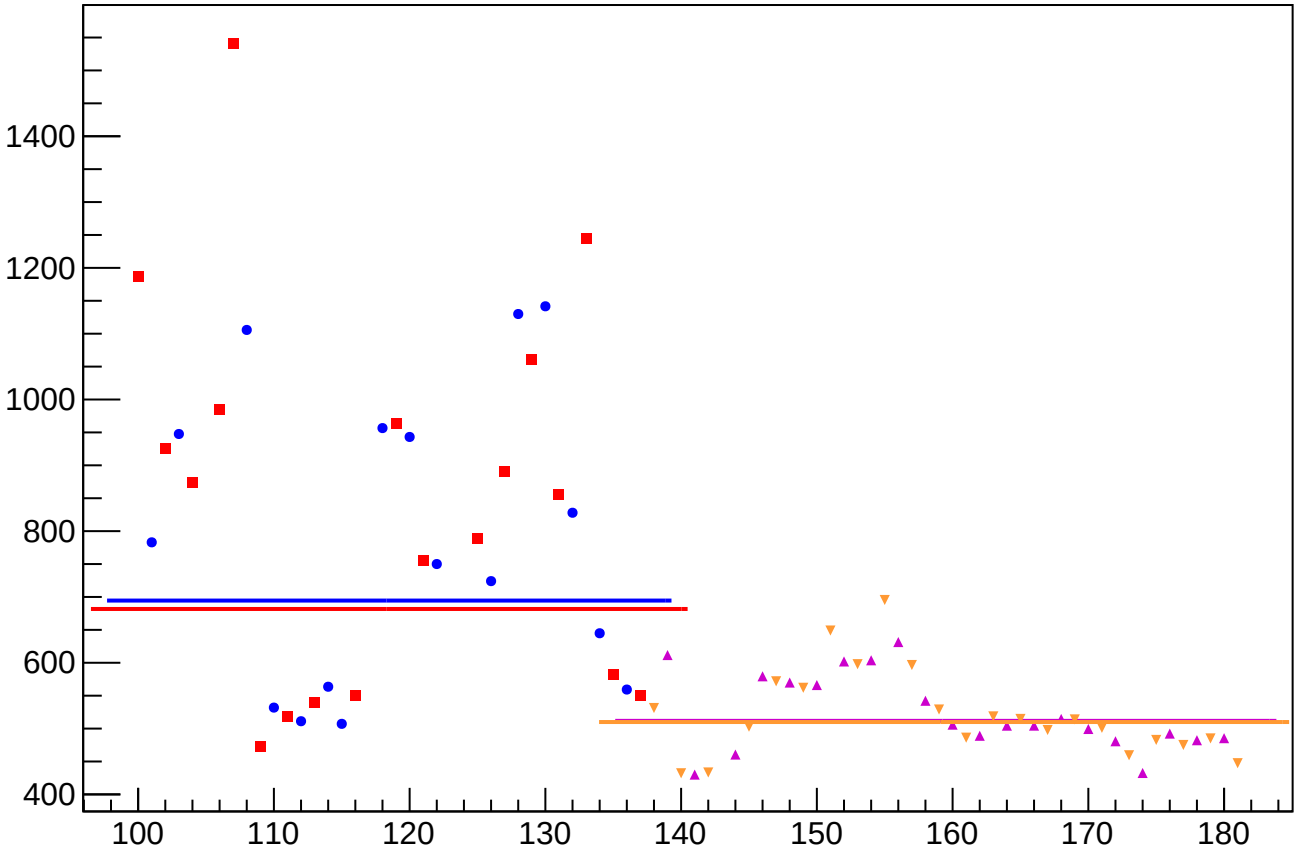
Left In: -134.690+/-124.169 χ^2/NDF:24.7/20

+ sign -484.066+/-111.872 χ^2/NDF: 86.9/37

All: -346.781+/-79.312 χ^2/NDF: 128.3/76

- sign -208.051+/-112.459 χ^2/NDF: 38.4/38

asym_us_dd_eigen_dit_correction_rms vs Slug



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

Left Out: 509.972+/-0.087 χ^2/NDF:459824.6/21

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

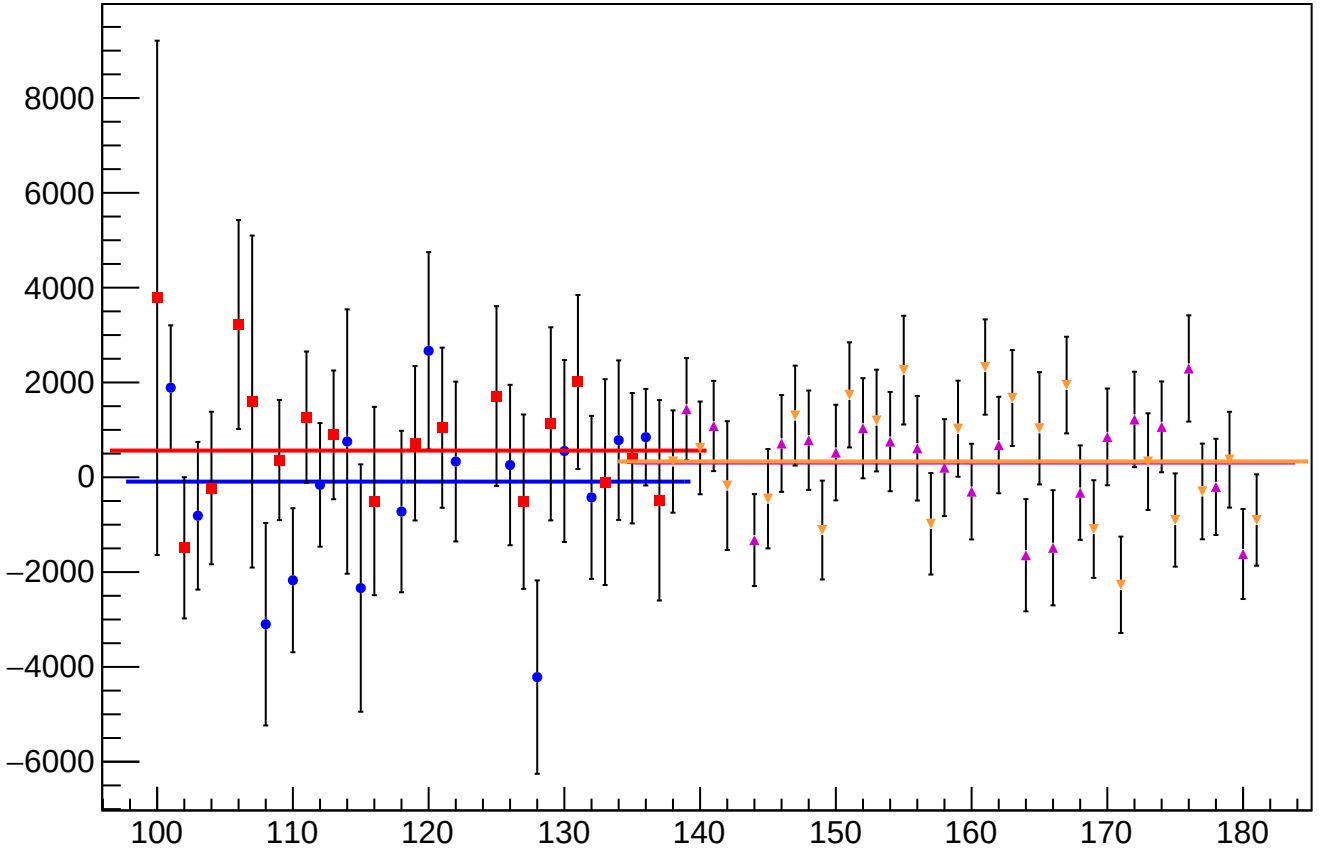
Left In: 511.734+/-0.088 χ^2/NDF:414757.0/20

+ sign 541.816+/-0.079 χ^2/NDF: 2266803.3/37

All: 542.051+/-0.056 χ^2/NDF: 4666728.0/76

- sign 542.288+/-0.080 χ^2/NDF: 2399907.0/38

asym_us_dd_mean vs Slug



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

Left Out: 334.050+/-223.303 χ^2/NDF:31.2/21

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

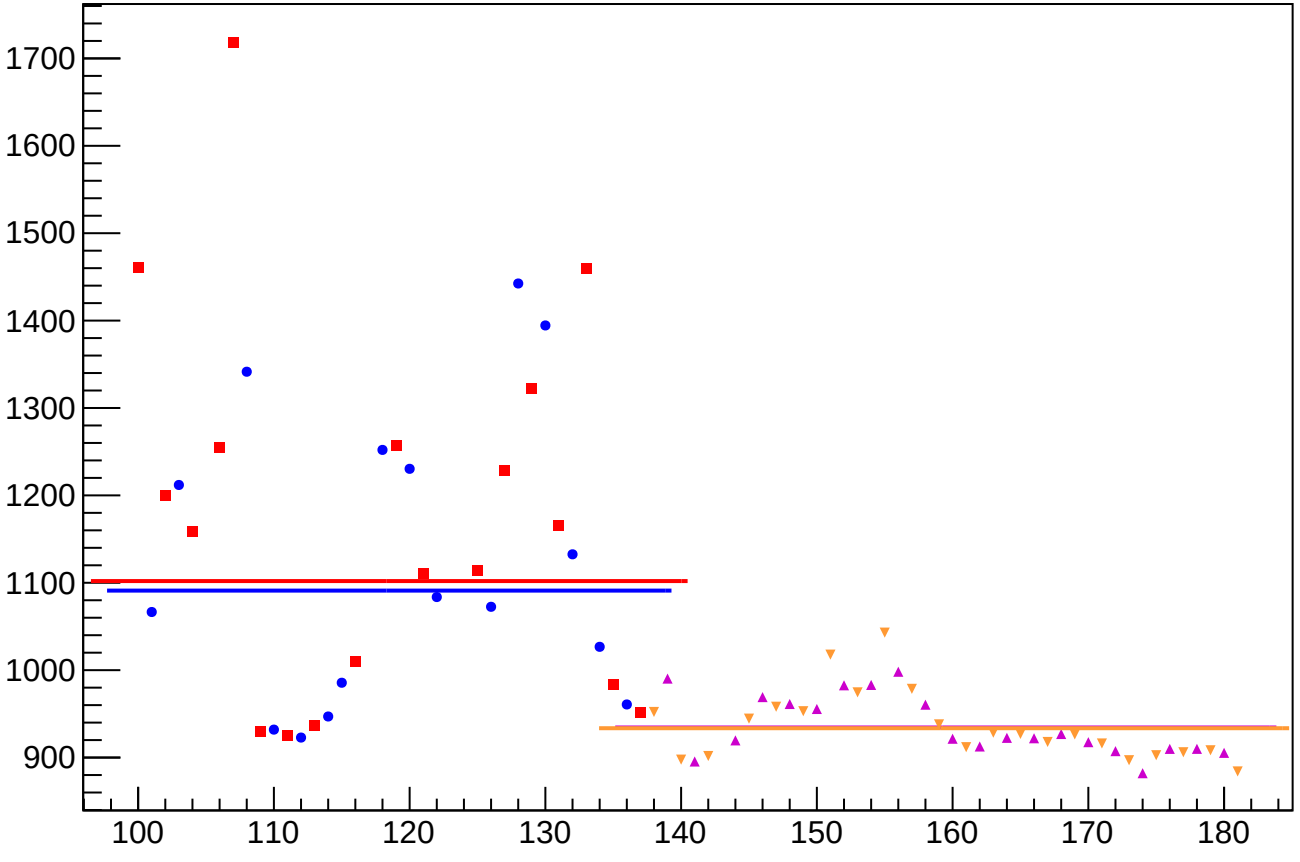
Left In: 310.097+/-225.135 χ^2/NDF:20.8/20

+ sign 236.725+/-196.099 χ^2/NDF: 46.6/37

All: 302.095+/-139.161 χ^2/NDF: 74.4/76

- sign 368.412+/-197.515 χ^2/NDF: 27.6/38

asym_us_dd_rms vs Slug



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

Left Out: 933.574+/-0.158 χ^2/NDF:57387.4/21

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

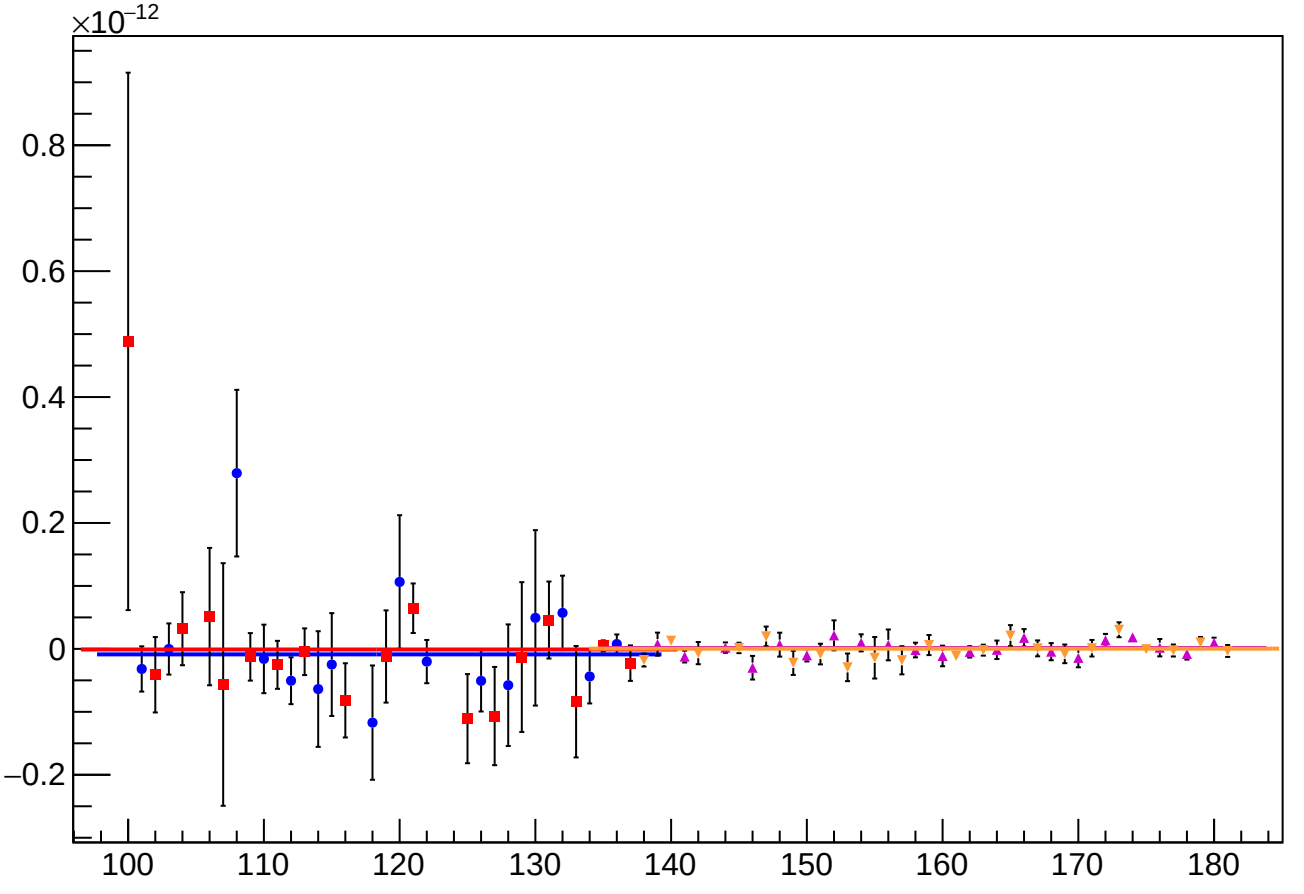
Left In: 934.432+/-0.159 χ^2/NDF:43915.2/20

+ sign 969.604+/-0.139 χ^2/NDF: 562251.0/37

All: 971.297+/-0.098 χ^2/NDF: 1189611.6/76

- sign 973.015+/-0.140 χ^2/NDF: 627060.3/38

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:24.2/21

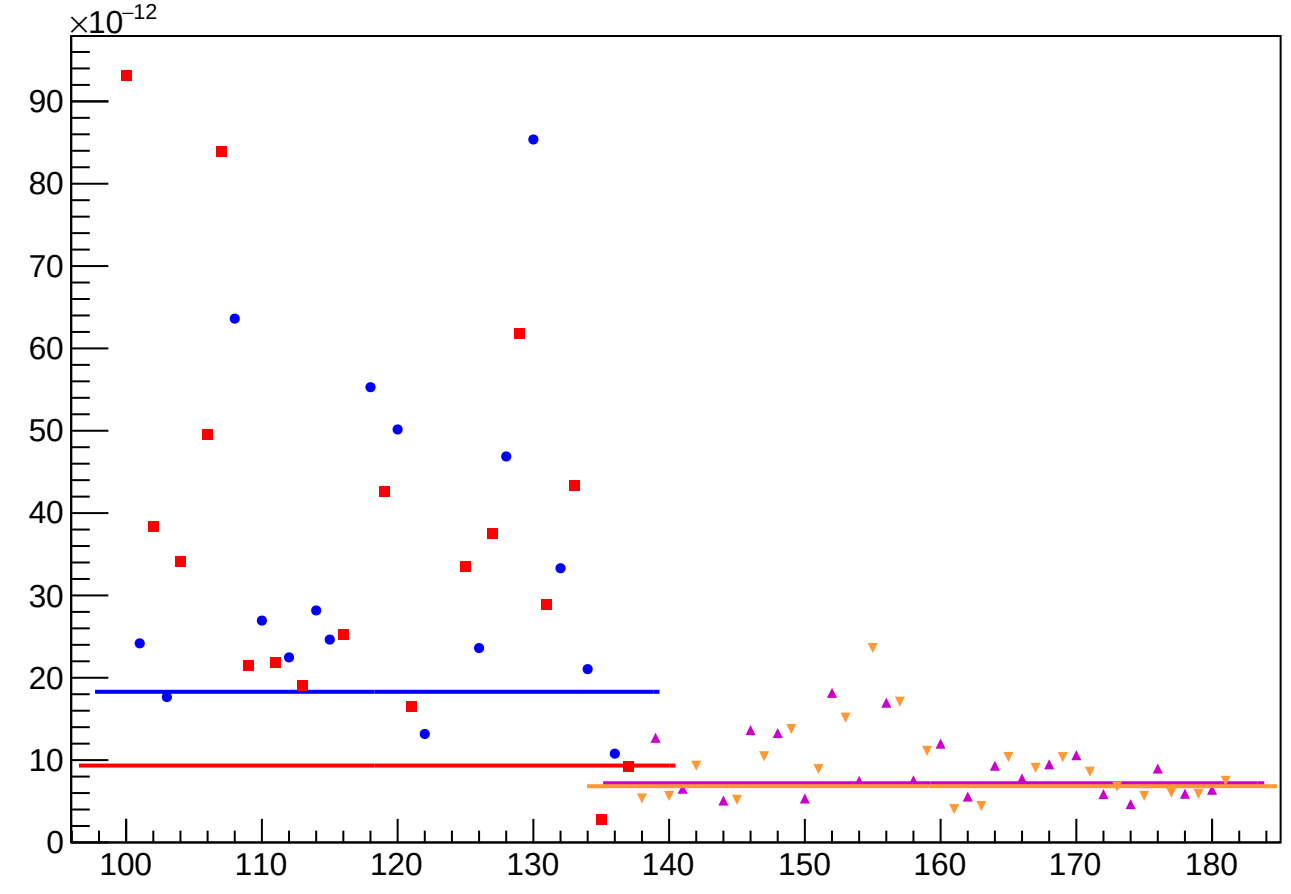
Right Out: -0.000+/-0.000 χ^2/NDF: 14.3/17

Left In: 0.000+/-0.000 χ^2/NDF:19.7/20

+ sign -0.000+/-0.000 χ^2/NDF: 38.8/37

All: 0.000+/-0.000 χ^2/NDF: 73.1/76

- sign 0.000+/-0.000 χ^2/NDF: 34.1/38



Right In: 0.000+/-0.000 χ^2/NDF: 2242543.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2799758.2/21

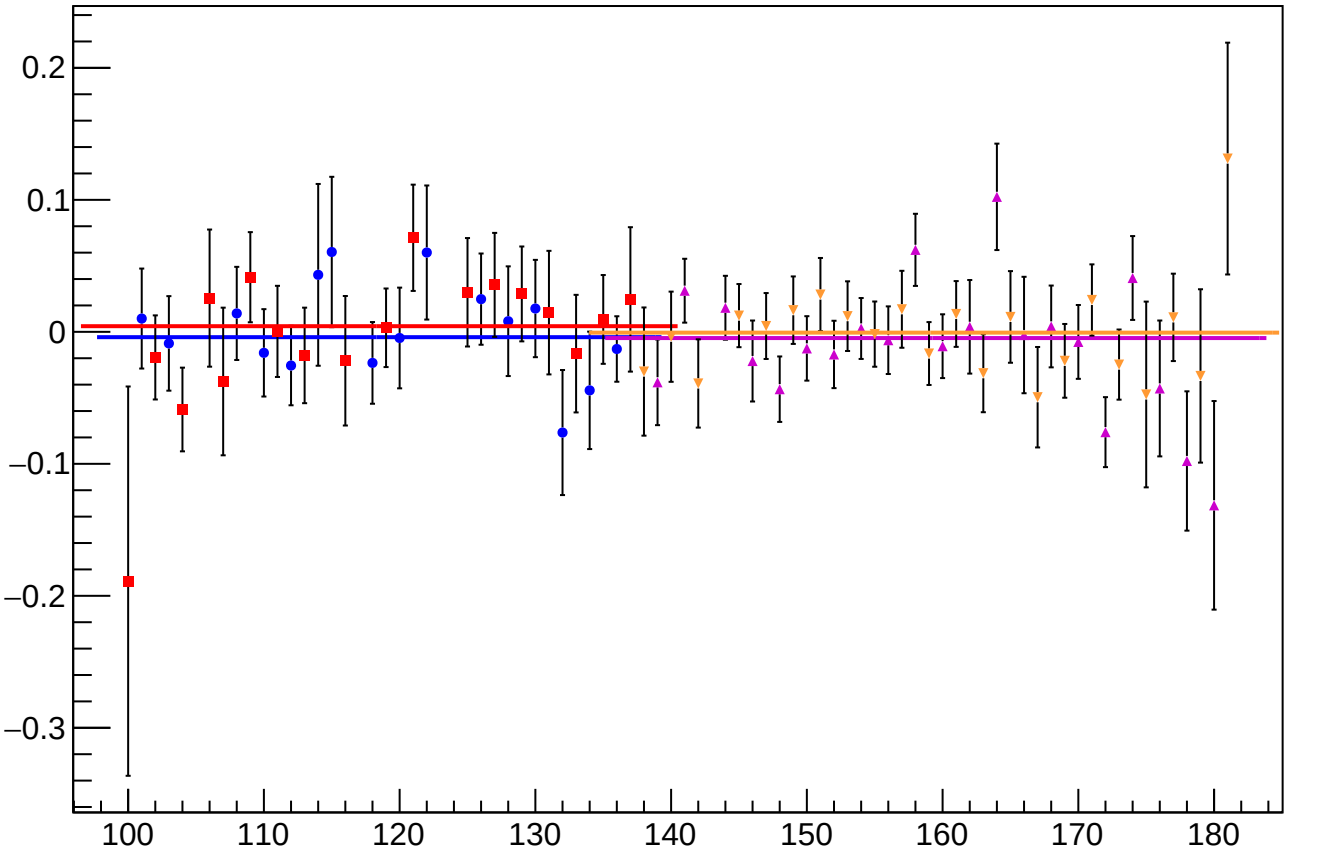
Right Out: 0.000+/-0.000 χ^2/NDF: 5140446.0/17

Left In: 0.000+/-0.000 χ^2/NDF:2361114.9/20

+ sign 0.000+/-0.000 χ^2/NDF: 7420712.8/37

All: 0.000+/-0.000 χ^2/NDF: 15077024.7/76

- sign 0.000+/-0.000 χ^2/NDF: 7656310.1/38



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

Left Out: -0.001+/-0.006 χ^2/NDF:13.1/21

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

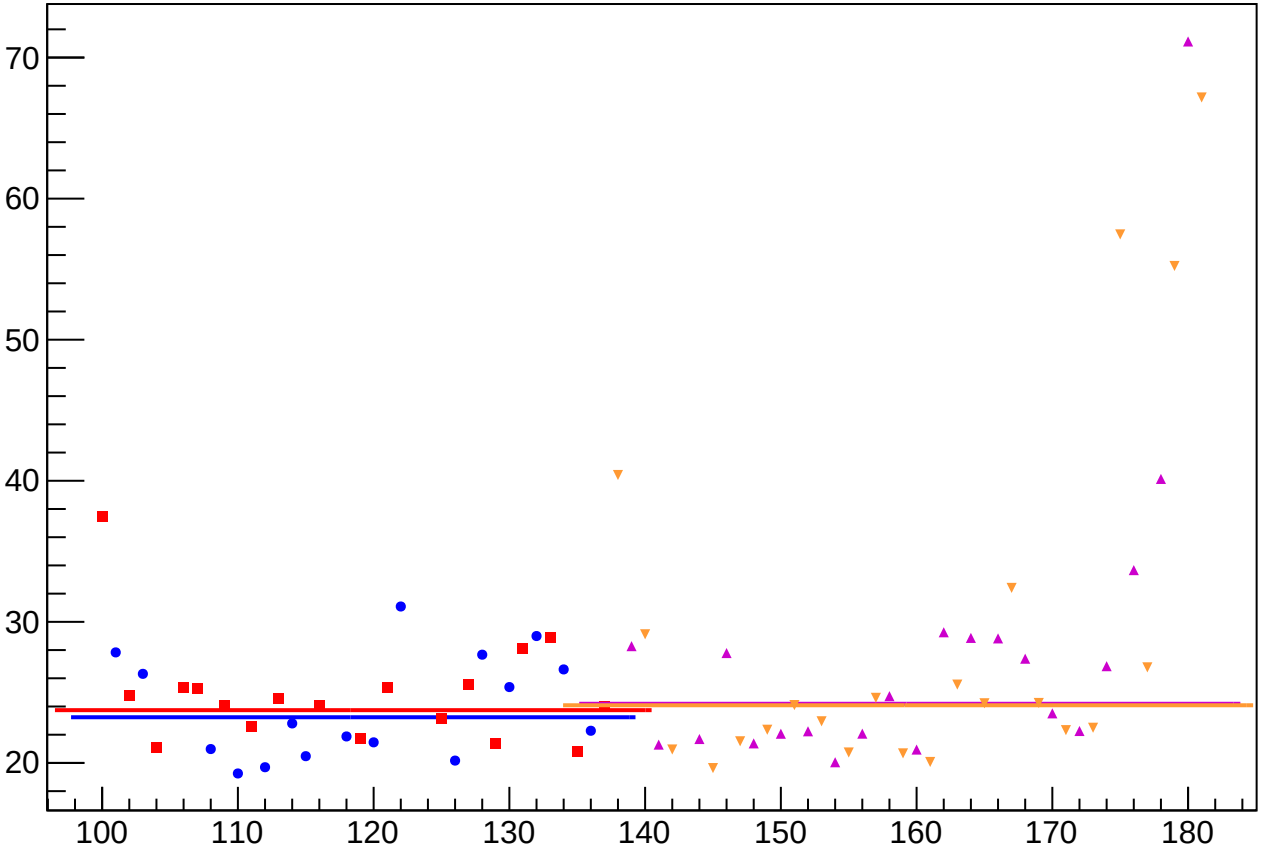
Left In: -0.005+/-0.006 χ^2/NDF:36.1/20

+ sign -0.002+/-0.005 χ^2/NDF: 22.4/37

All: -0.002+/-0.004 χ^2/NDF: 72.6/76

- sign -0.002+/-0.005 χ^2/NDF: 50.3/38

asym_us_dd_dit_vs_cor_diff_rms vs Slug



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

Left Out: 24.088+/-0.005 χ^2/NDF:2030876.0/21

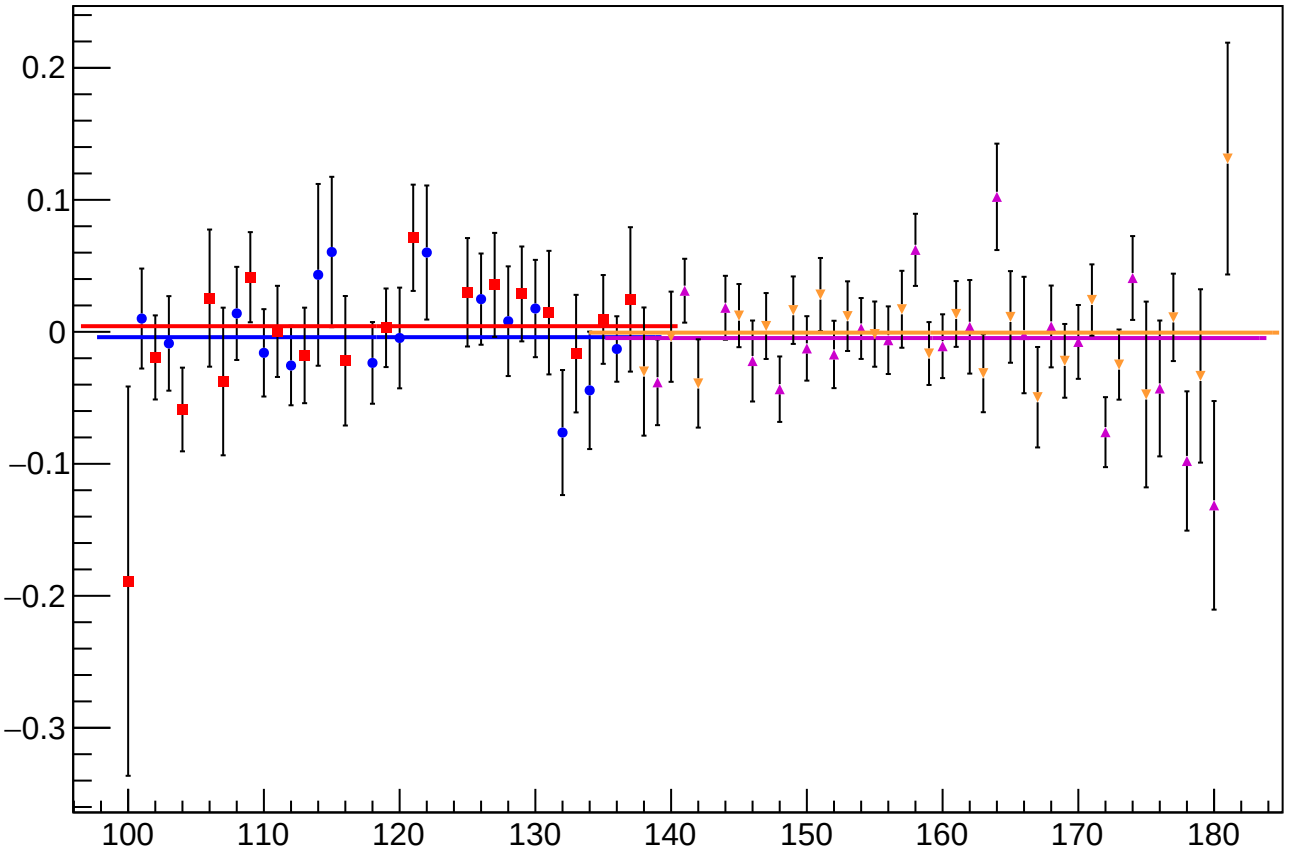
Right Out: 23.740+/-0.007 χ^2/NDF: 126183.6/17

Left In: 24.193+/-0.005 χ^2/NDF:1369466.5/20

+ sign 23.811+/-0.004 χ^2/NDF: 2301469.9/37

All: 23.929+/-0.003 χ^2/NDF: 3802318.1/76

- sign 24.047+/-0.004 χ^2/NDF: 1498853.1/38



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

Left Out: -0.001+/-0.006 χ^2/NDF:13.1/21

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

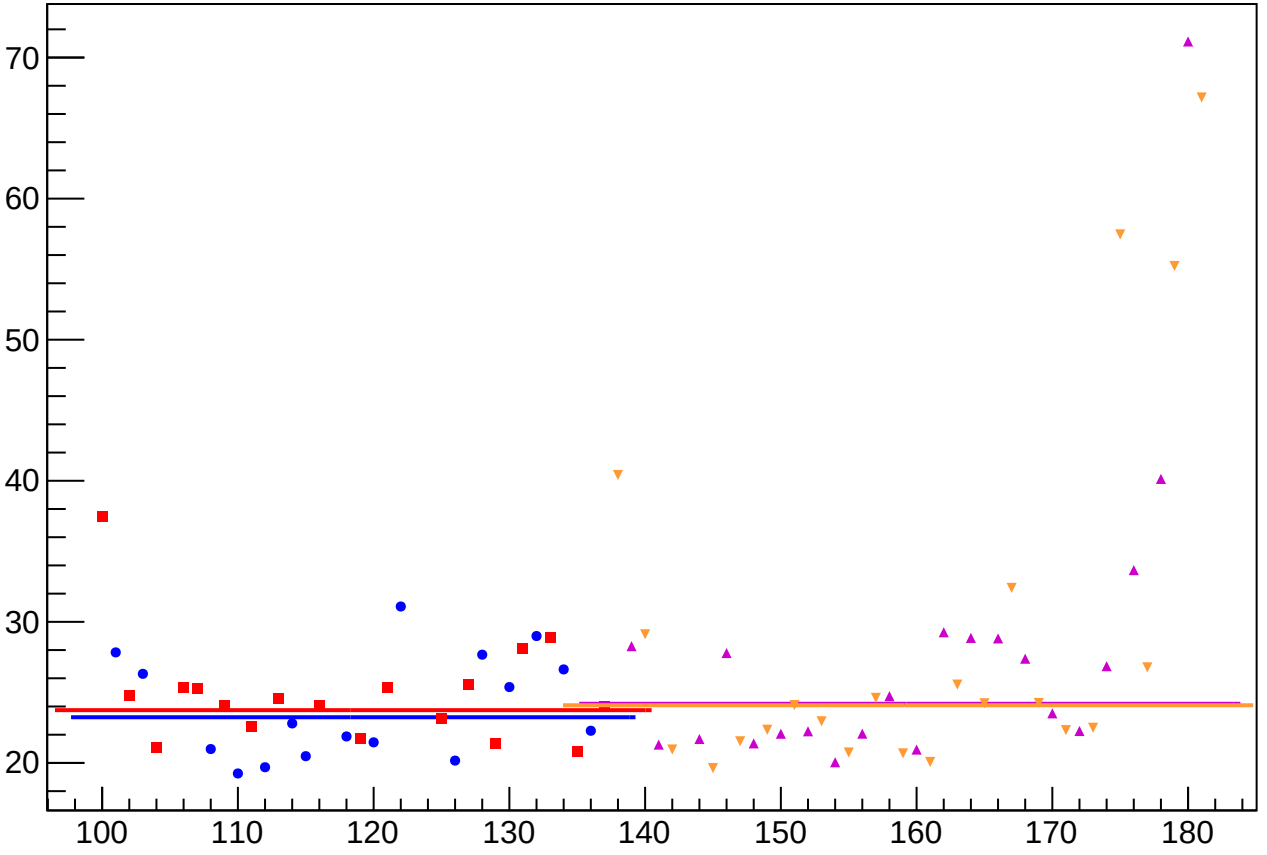
Left In: -0.005+/-0.006 χ^2/NDF:36.1/20

+ sign -0.002+/-0.005 χ^2/NDF: 22.4/37

All: -0.002+/-0.004 χ^2/NDF: 72.6/76

- sign -0.002+/-0.005 χ^2/NDF: 50.3/38

asym_us_dd_dit_vs_eigen_cor_diff_rms vs Slug



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

Left Out: 24.088+/-0.005 χ^2/NDF:2030876.0/21

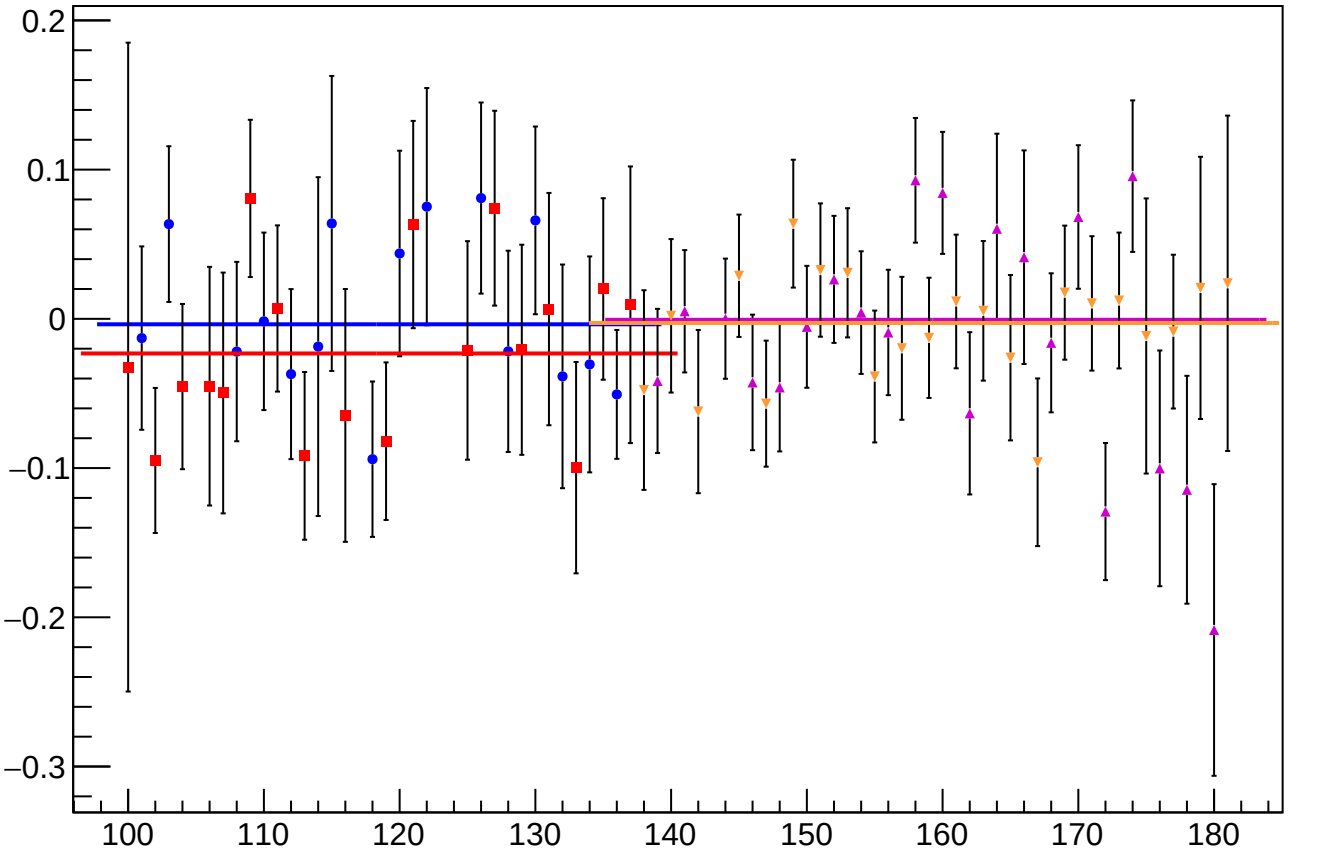
Right Out: 23.740+/-0.007 χ^2/NDF: 126183.6/17

Left In: 24.193+/-0.005 χ^2/NDF:1369466.5/20

+ sign 23.811+/-0.004 χ^2/NDF: 2301469.9/37

All: 23.929+/-0.003 χ^2/NDF: 3802318.1/76

- sign 24.047+/-0.004 χ^2/NDF: 1498853.1/38



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

Left Out: -0.003+/-0.011 χ^2/NDF:12.0/21

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

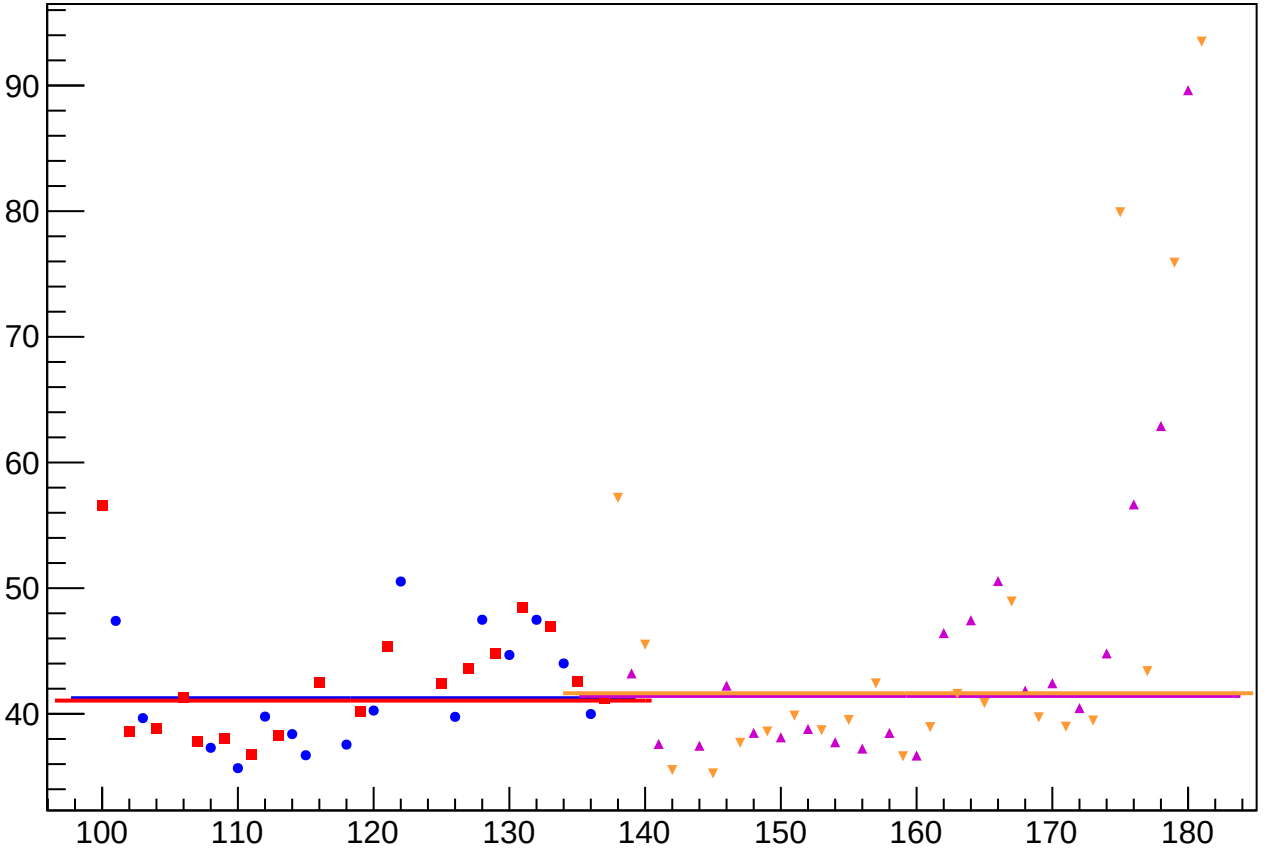
Left In: -0.001+/-0.010 χ^2/NDF:37.0/20

+ sign -0.003+/-0.009 χ^2/NDF: 23.6/37

All: -0.005+/-0.006 χ^2/NDF: 77.6/76

- sign -0.008+/-0.009 χ^2/NDF: 53.9/38

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: 41.639+/-0.007 χ^2/NDF:1402302.0/21

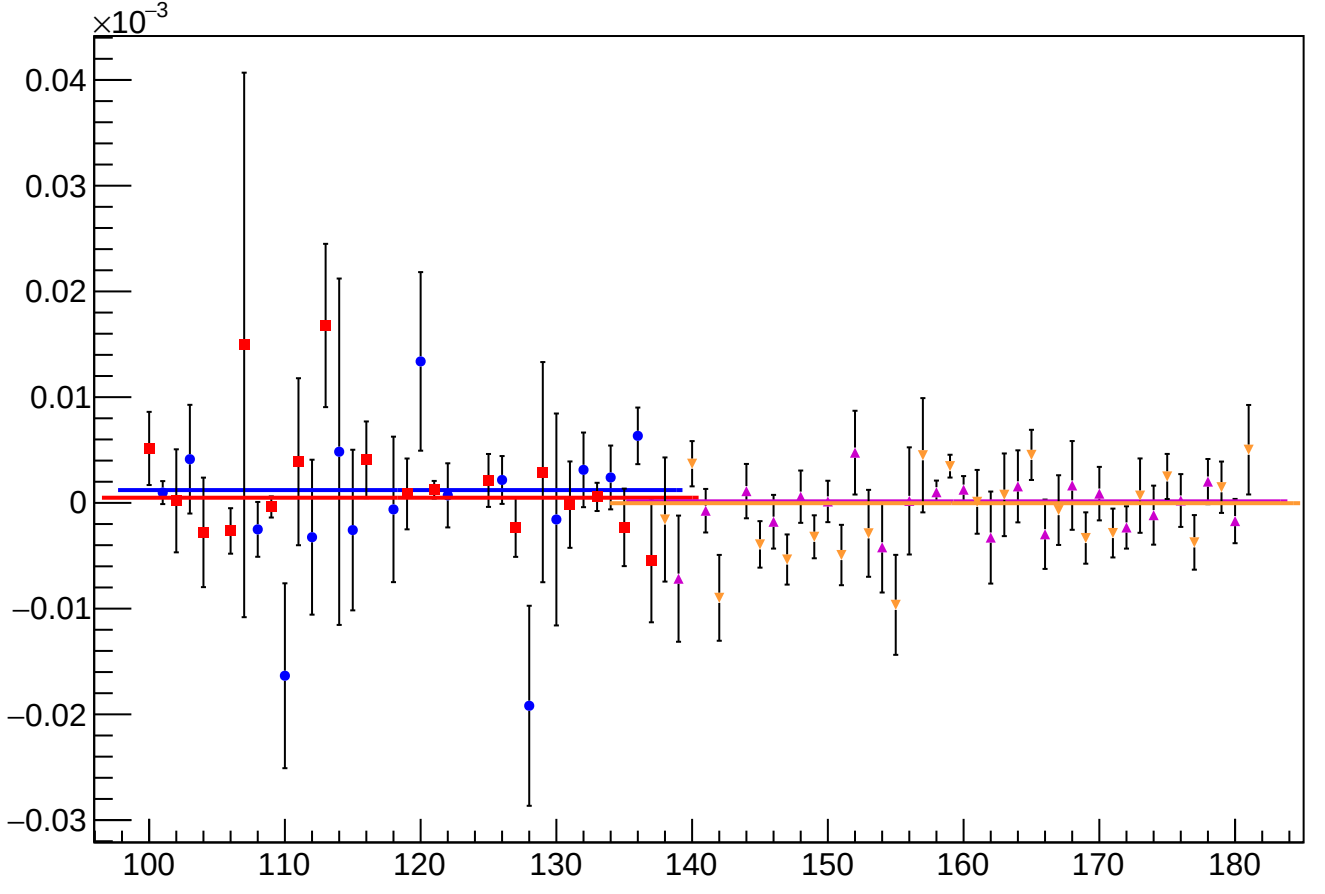
Right Out: 41.055+/-0.011 χ^2/NDF: 96560.6/17

Left In: 41.423+/-0.007 χ^2/NDF:940678.6/20

+ sign 41.516+/-0.006 χ^2/NDF: 1538460.5/37

All: 41.411+/-0.004 χ^2/NDF: 2577044.3/76

- sign 41.308+/-0.006 χ^2/NDF: 1038015.5/38



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

Left Out: -0.000+/-0.000 χ^2/NDF:49.9/21

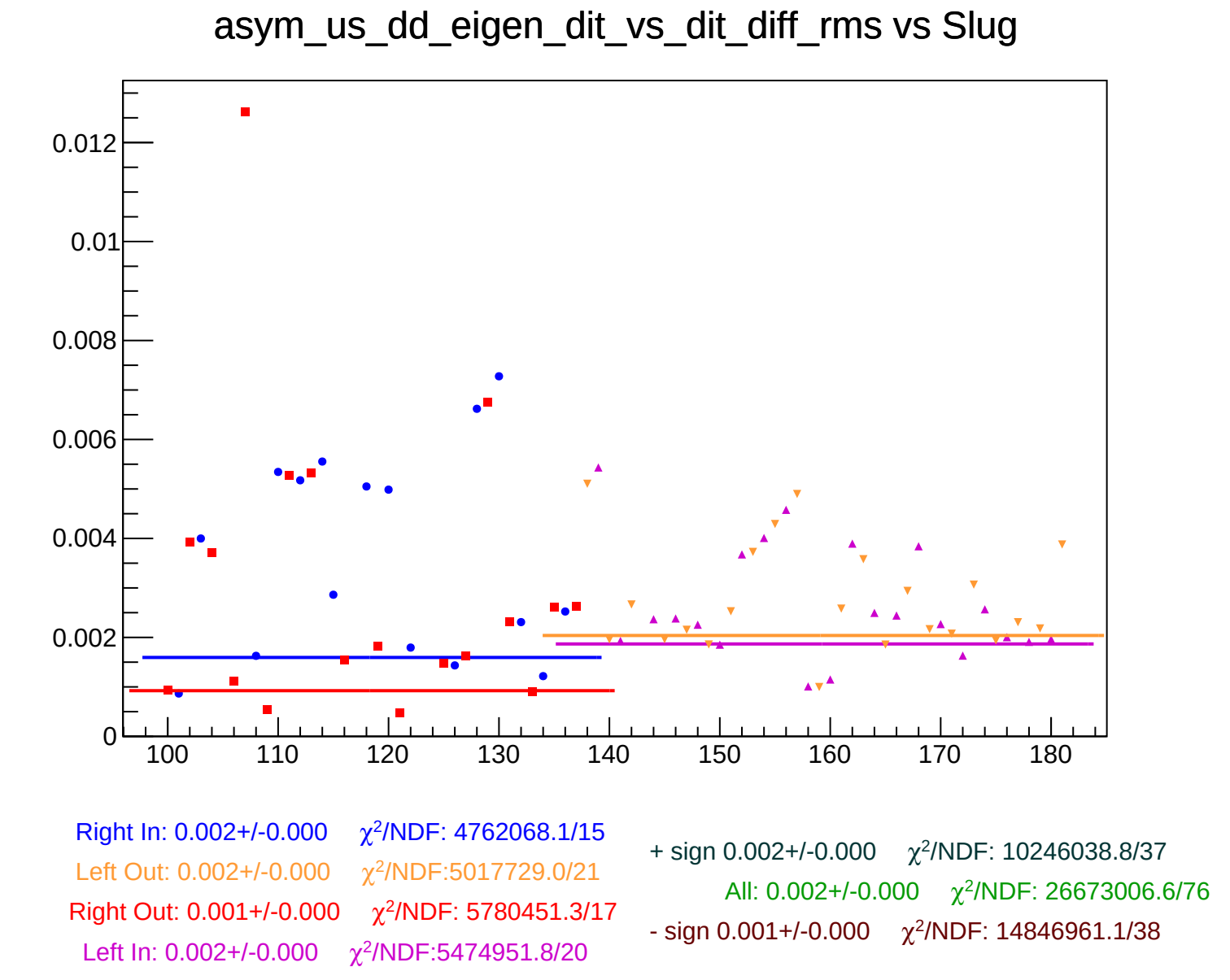
Right Out: 0.000+/-0.000 χ^2/NDF: 15.0/17

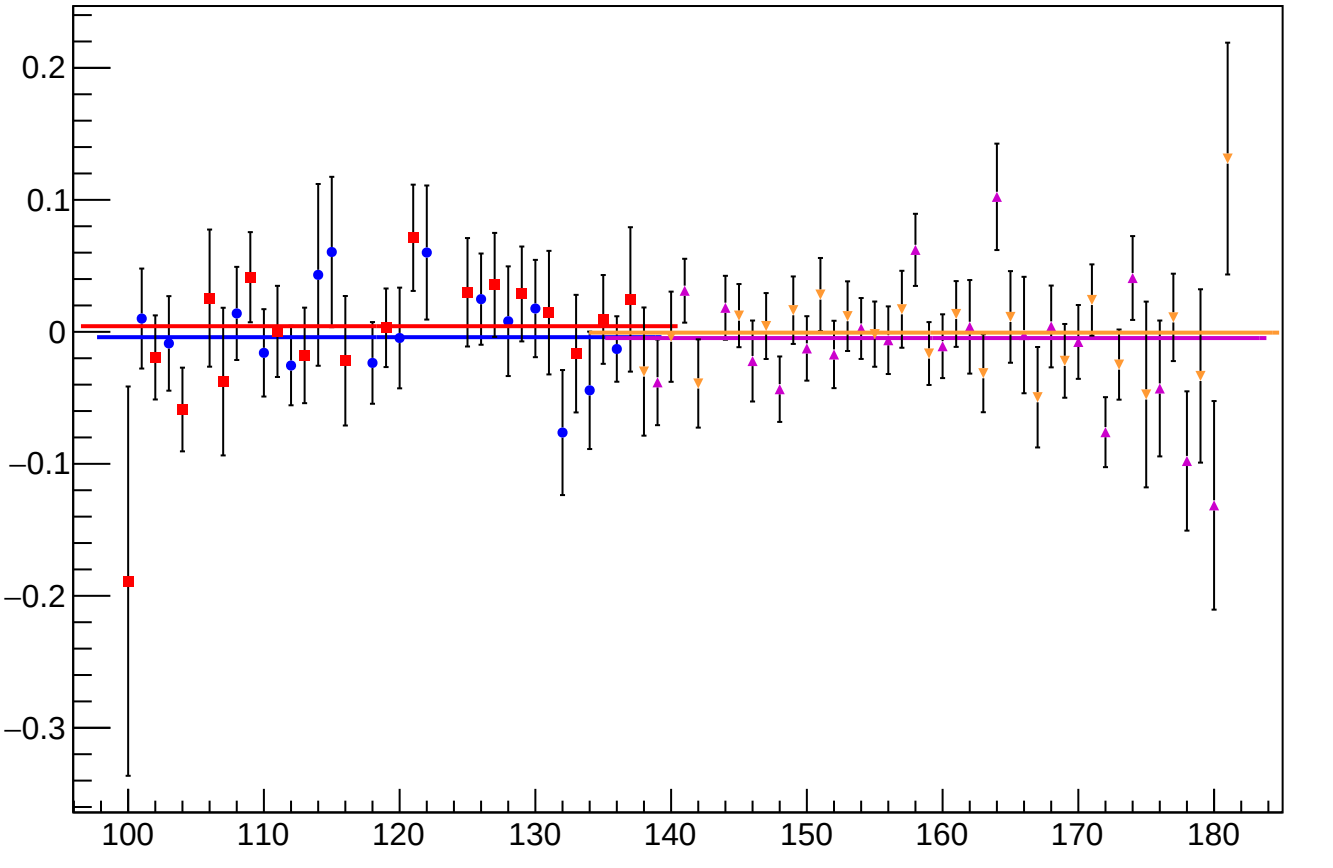
Left In: 0.000+/-0.000 χ^2/NDF:11.4/20

+ sign 0.000+/-0.000 χ^2/NDF: 70.0/37

All: 0.000+/-0.000 χ^2/NDF: 96.6/76

- sign 0.000+/-0.000 χ^2/NDF: 26.6/38


asym_us_dd_eigen_dit_vs_dit_diff_rms vs Slug
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: 4762068.1/15
Left Out: 0.002+/-0.000 χ²/NDF:5017729.0/21
Right Out: 0.001+/-0.000 χ²/NDF: 5780451.3/17
Left In: 0.002+/-0.000 χ²/NDF:5474951.8/20
+ sign 0.002+/-0.000 χ²/NDF: 10246038.8/37
All: 0.002+/-0.000 χ²/NDF: 26673006.6/76
- sign 0.001+/-0.000 χ²/NDF: 14846961.1/38



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

Left Out: -0.001+/-0.006 χ^2/NDF:13.1/21

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

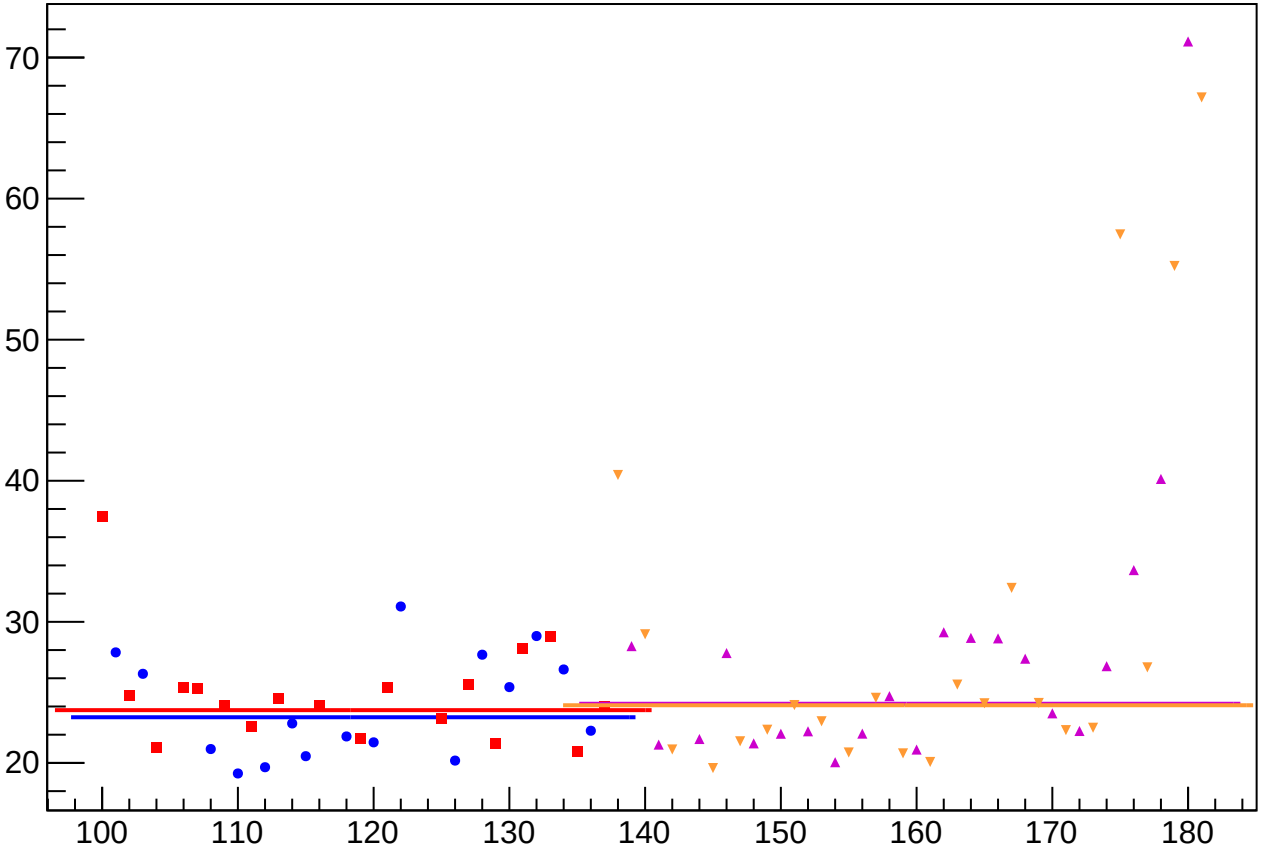
Left In: -0.005+/-0.006 χ^2/NDF:36.1/20

+ sign -0.002+/-0.005 χ^2/NDF: 22.4/37

All: -0.002+/-0.004 χ^2/NDF: 72.7/76

- sign -0.002+/-0.005 χ^2/NDF: 50.3/38

asym_us_dd_eigen_dit_vs_cor_diff_rms vs Slug



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

Left Out: 24.088+/-0.005 χ^2/NDF:2030912.9/21

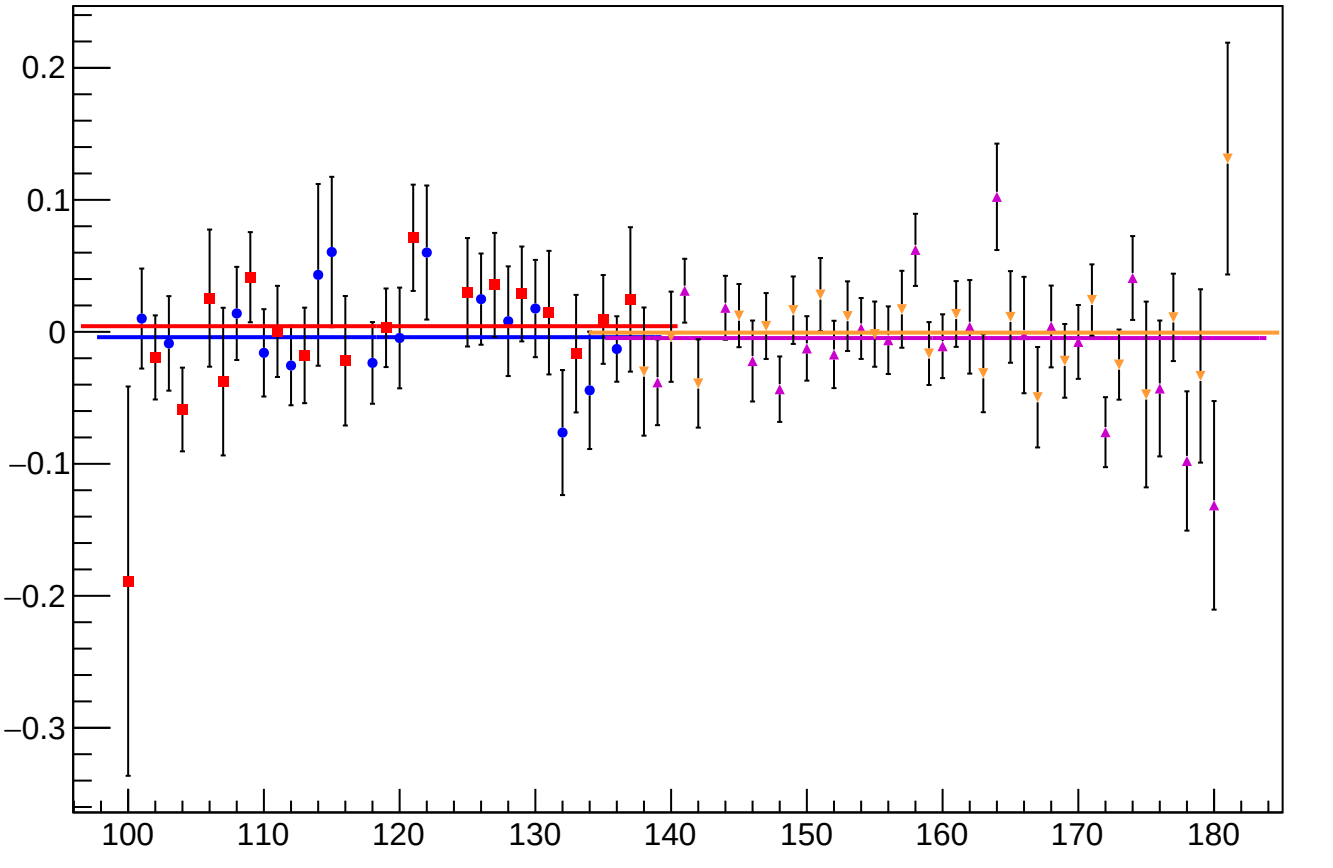
Right Out: 23.741+/-0.007 χ^2/NDF: 126132.7/17

Left In: 24.193+/-0.005 χ^2/NDF:1369354.3/20

+ sign 23.811+/-0.004 χ^2/NDF: 2301514.3/37

All: 23.929+/-0.003 χ^2/NDF: 3802208.0/76

- sign 24.047+/-0.004 χ^2/NDF: 1498690.7/38



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

Left Out: -0.001+/-0.006 χ^2/NDF:13.1/21

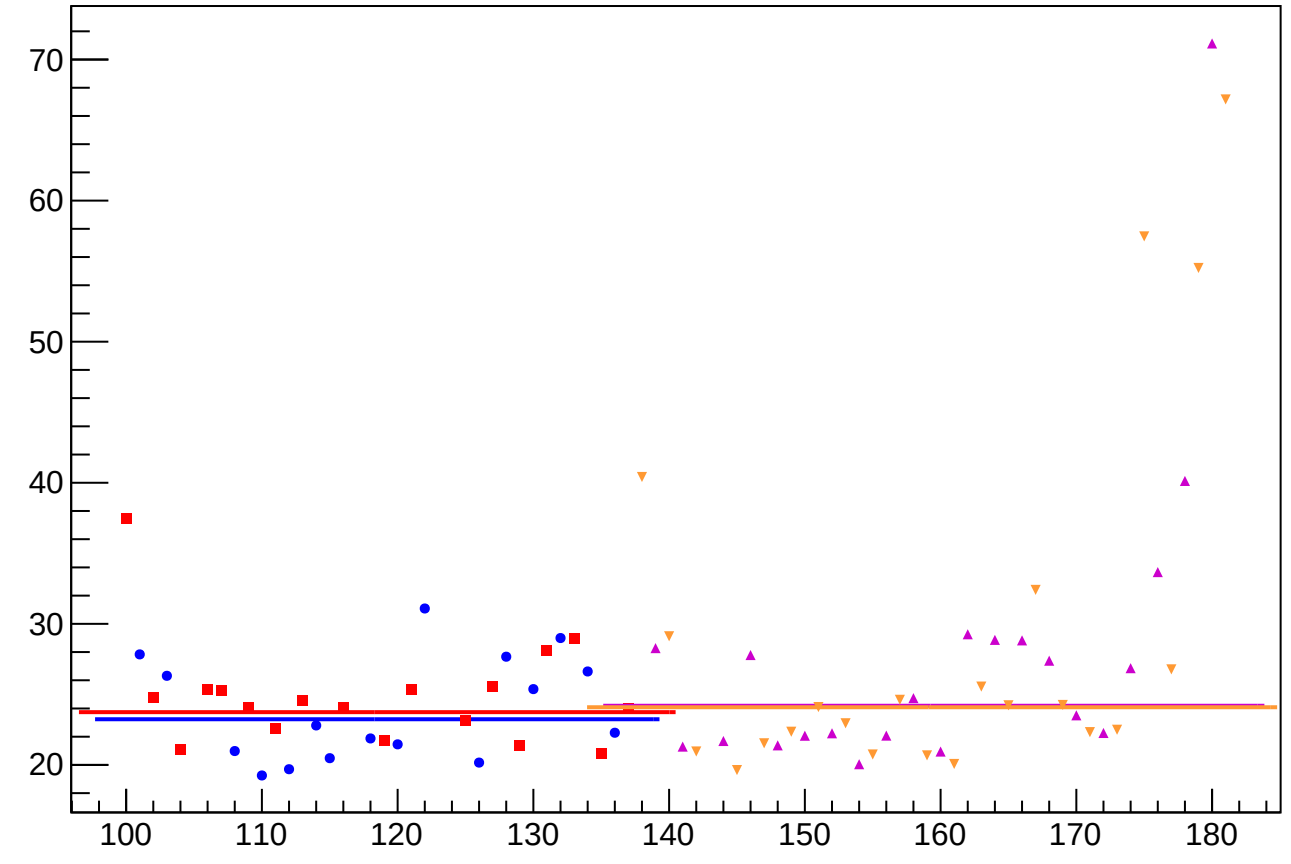
Right Out: 0.004+/-0.009 χ^2/NDF: 13.5/17

Left In: -0.005+/-0.006 χ^2/NDF:36.1/20

+ sign -0.002+/-0.005 χ^2/NDF: 22.4/37

All: -0.002+/-0.004 χ^2/NDF: 72.7/76

- sign -0.002+/-0.005 χ^2/NDF: 50.3/38



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

Left Out: 24.088+/-0.005 χ^2/NDF:2030912.9/21

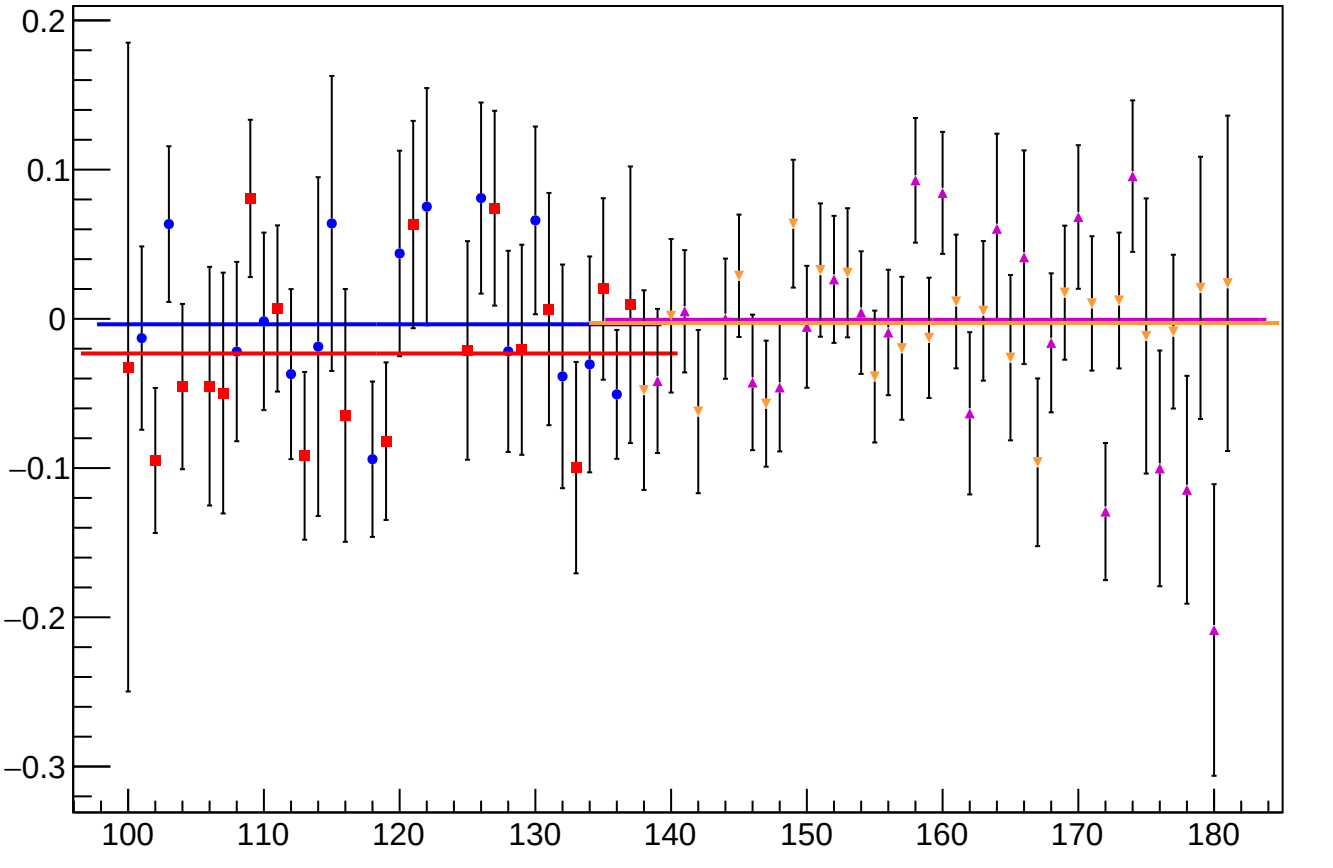
Right Out: 23.741+/-0.007 χ^2/NDF: 126132.7/17

Left In: 24.193+/-0.005 χ^2/NDF:1369354.3/20

+ sign 23.811+/-0.004 χ^2/NDF: 2301514.3/37

All: 23.929+/-0.003 χ^2/NDF: 3802208.0/76

- sign 24.047+/-0.004 χ^2/NDF: 1498690.7/38



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

Left Out: -0.003+/-0.011 χ^2/NDF:12.0/21

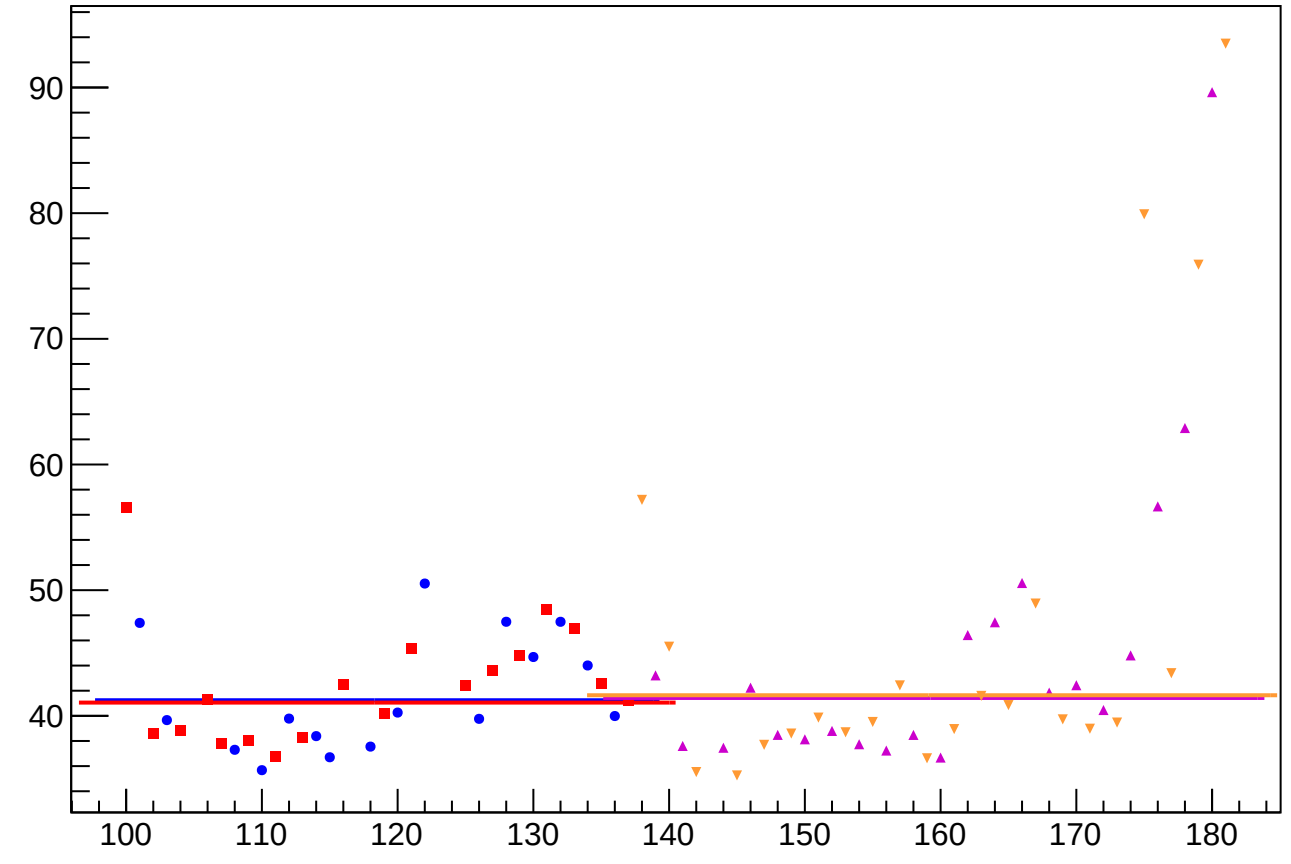
Right Out: -0.023+/-0.016 χ^2/NDF: 15.4/17

Left In: -0.001+/-0.010 χ^2/NDF:37.0/20

+ sign -0.003+/-0.009 χ^2/NDF: 23.6/37

All: -0.005+/-0.006 χ^2/NDF: 77.6/76

- sign -0.008+/-0.009 χ^2/NDF: 53.9/38



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

Left Out: 41.639+/-0.007 χ^2/NDF:1402299.0/21

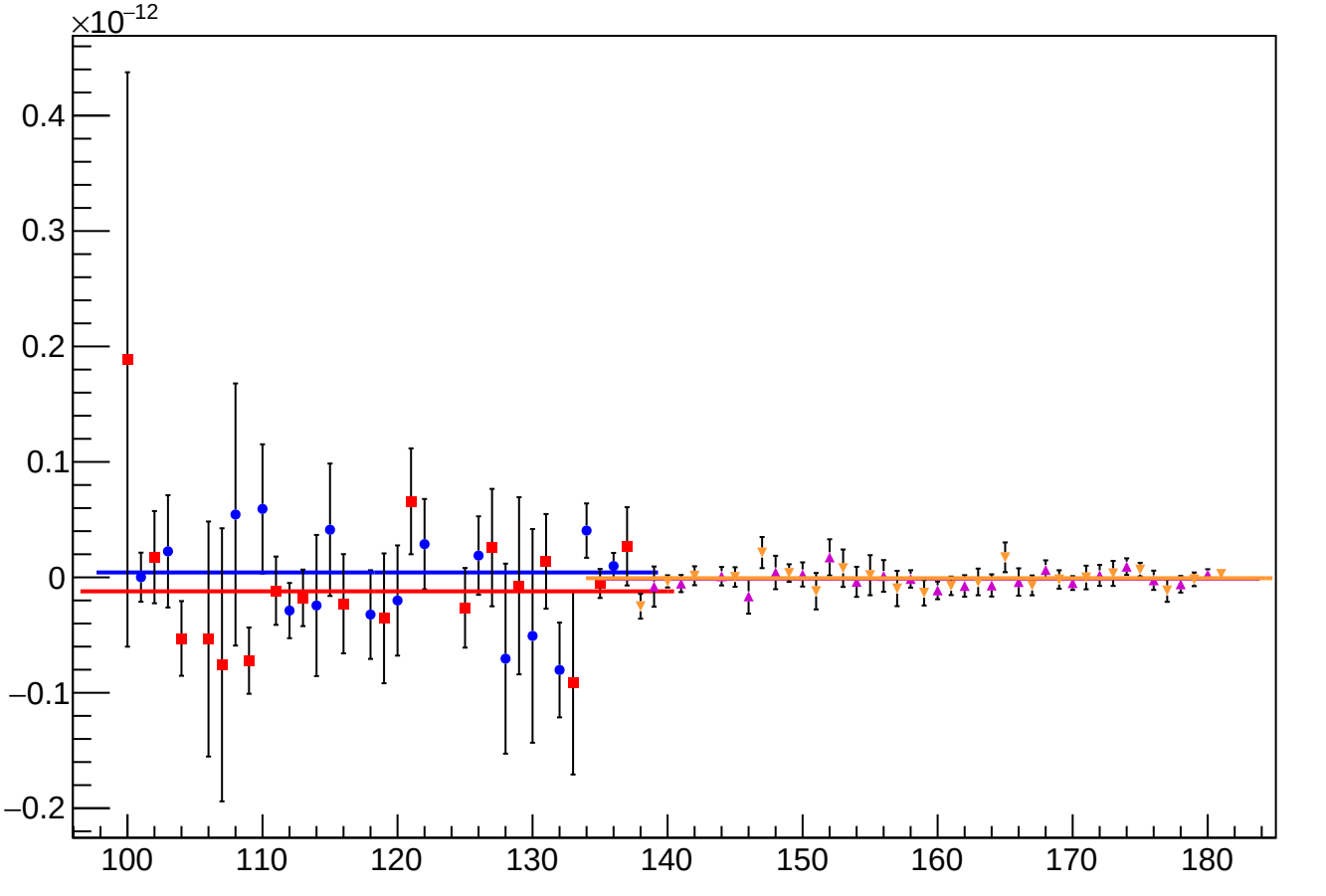
Right Out: 41.055+/-0.011 χ^2/NDF: 96549.4/17

Left In: 41.424+/-0.007 χ^2/NDF:940663.8/20

+ sign 41.516+/-0.006 χ^2/NDF: 1538436.5/37

All: 41.411+/-0.004 χ^2/NDF: 2576994.5/76

- sign 41.308+/-0.006 χ^2/NDF: 1037990.3/38



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

Left Out: -0.000+/-0.000 χ^2/NDF:18.0/21

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

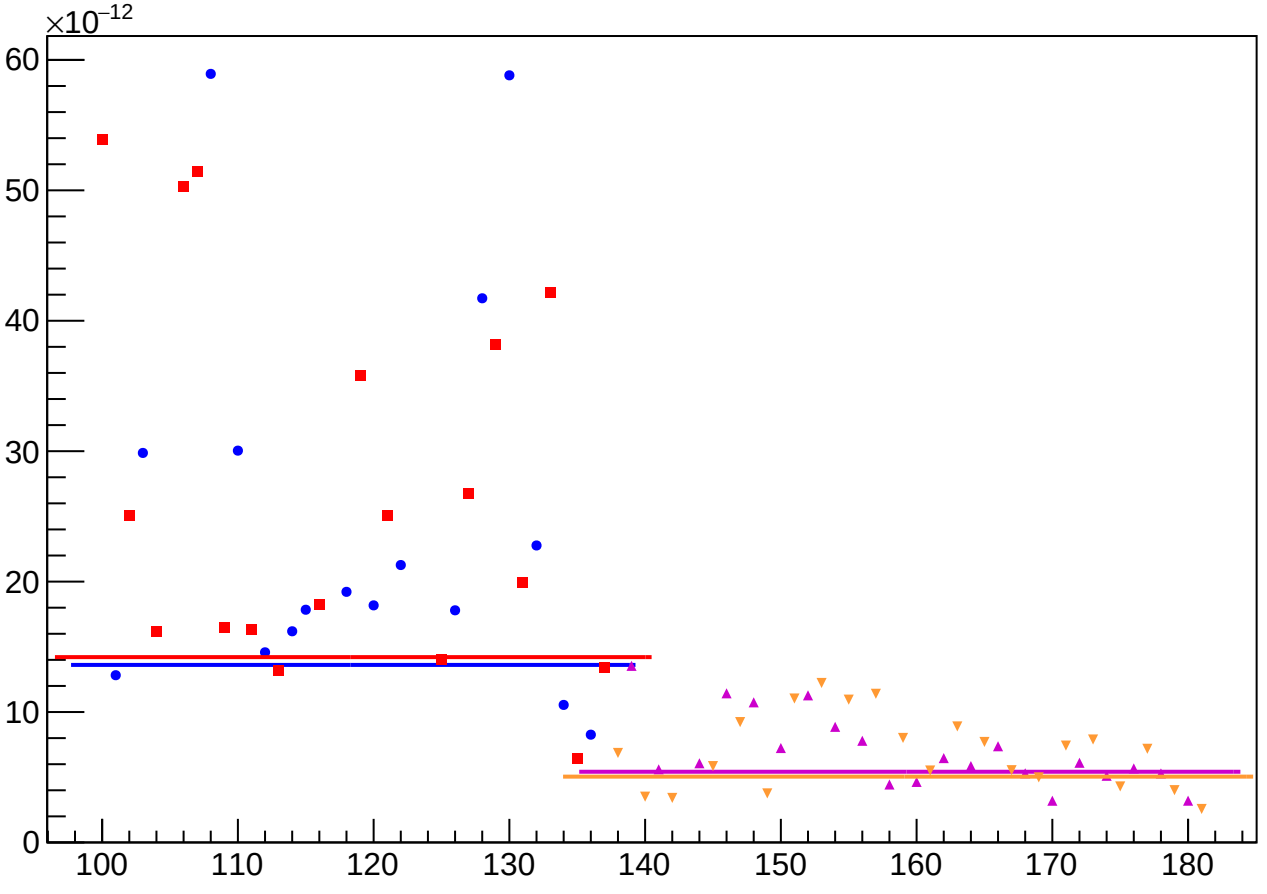
Left In: -0.000+/-0.000 χ^2/NDF:10.4/20

+ sign -0.000+/-0.000 χ^2/NDF: 32.1/37

All: -0.000+/-0.000 χ^2/NDF: 59.2/76

- sign -0.000+/-0.000 χ^2/NDF: 26.8/38

asym_us_dd_eigen_cor_vs_cor_diff_rms vs Slug



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

Left Out: 0.000+/-0.000 χ^2/NDF:3454455.2/21

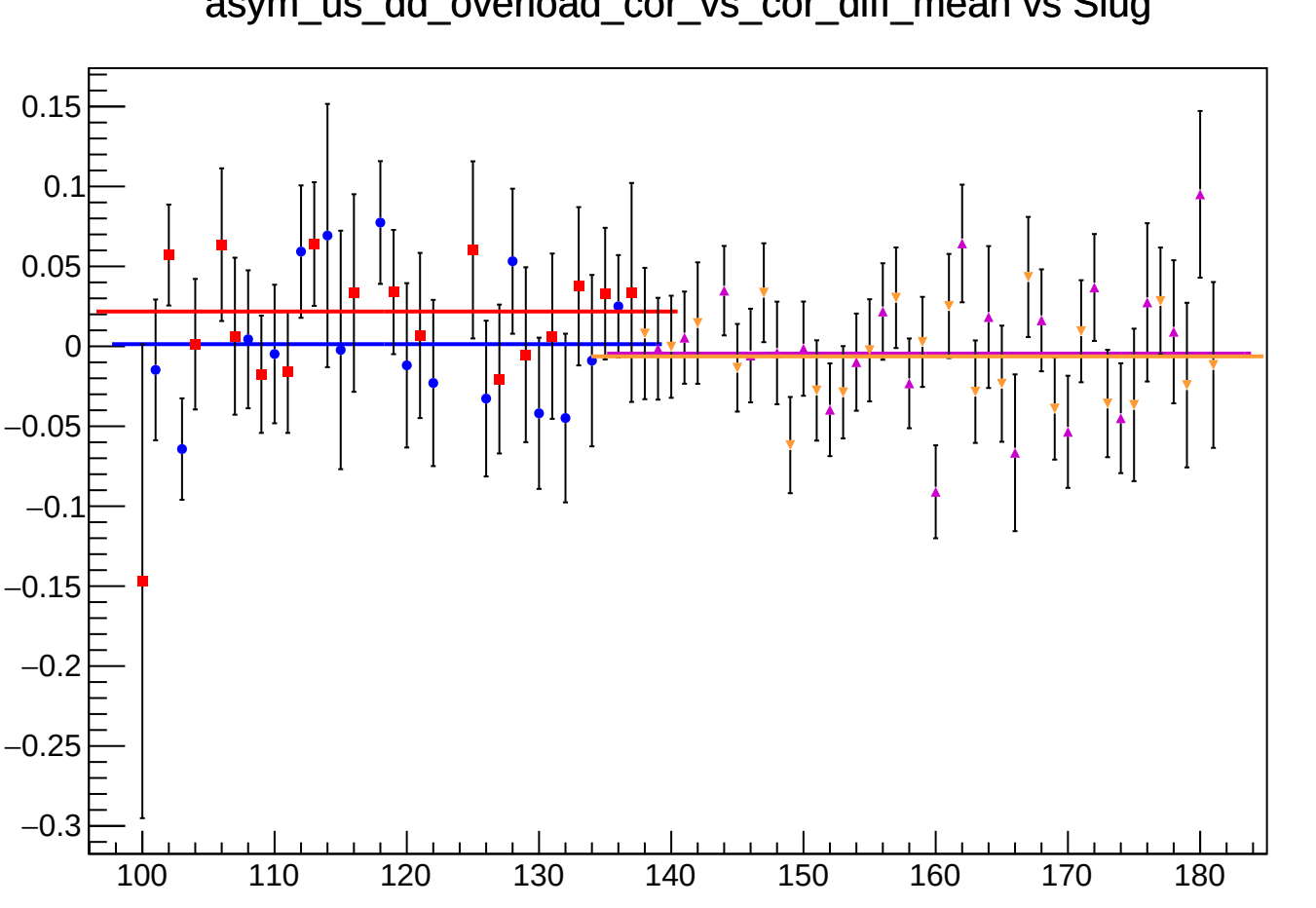
Right Out: 0.000+/-0.000 χ^2/NDF: 2471664.5/17

Left In: 0.000+/-0.000 χ^2/NDF:2484909.5/20

+ sign 0.000+/-0.000 χ^2/NDF: 8194172.5/37

All: 0.000+/-0.000 χ^2/NDF: 15608100.1/76

- sign 0.000+/-0.000 χ^2/NDF: 7365785.0/38



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

Left Out: -0.006+/-0.007 χ^2/NDF:15.2/21

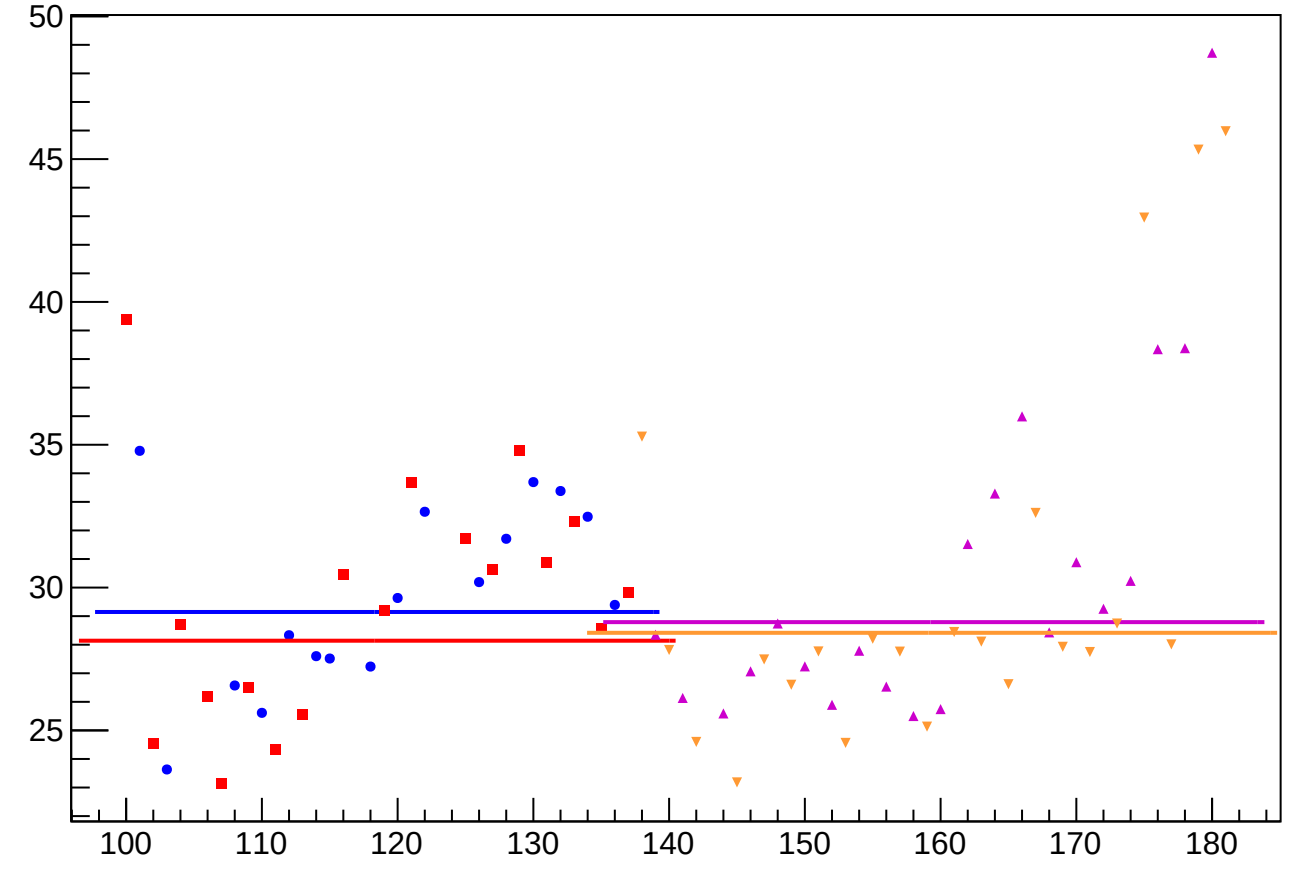
Right Out: 0.022+/-0.011 χ^2/NDF: 9.0/17

Left In: -0.005+/-0.007 χ^2/NDF:28.5/20

+ sign -0.004+/-0.006 χ^2/NDF: 30.8/37

All: -0.000+/-0.004 χ^2/NDF: 73.2/76

- sign 0.004+/-0.006 χ^2/NDF: 41.6/38



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

Left Out: 28.417+/-0.005 χ^2/NDF:886347.4/21

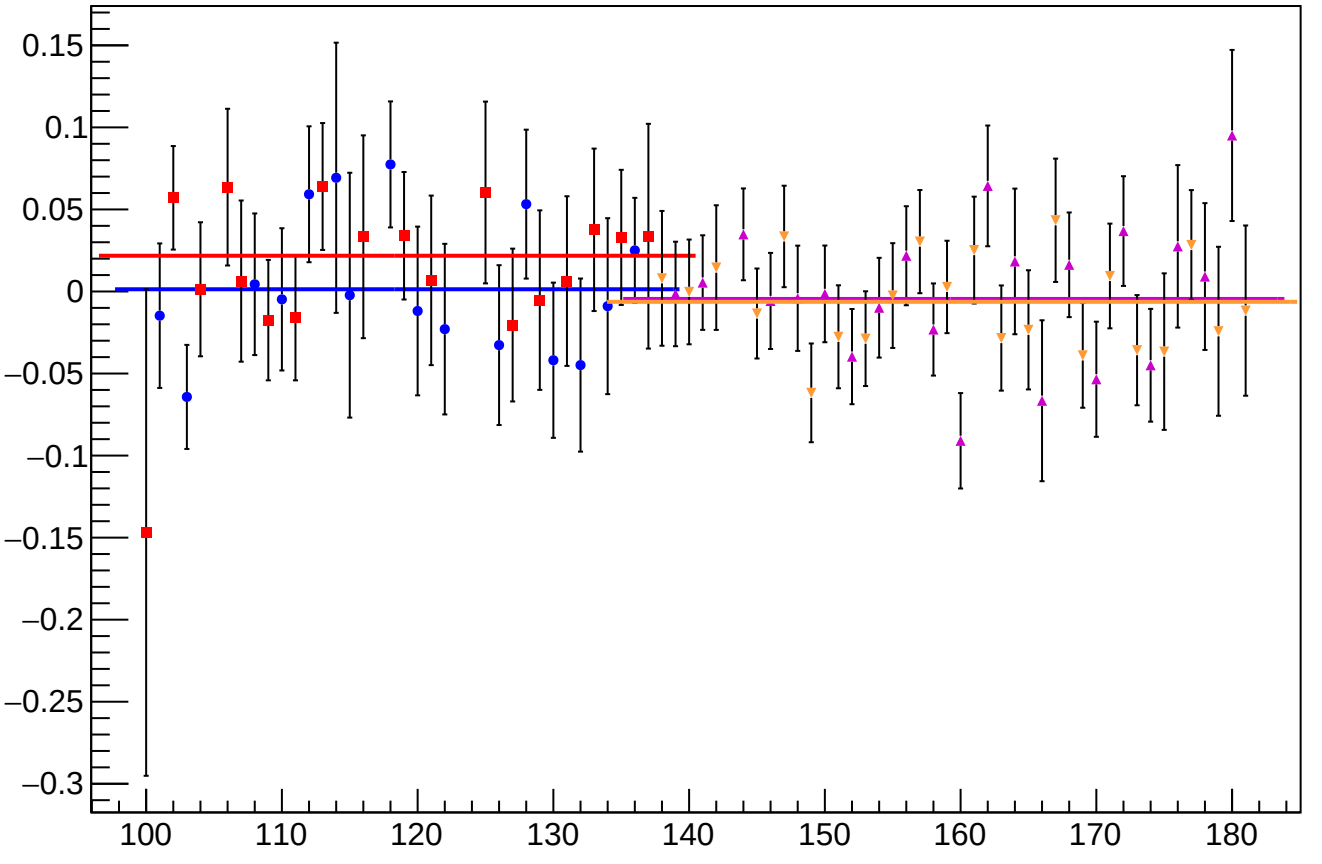
Right Out: 28.140+/-0.008 χ^2/NDF: 187103.8/17

Left In: 28.790+/-0.005 χ^2/NDF:683414.4/20

+ sign 28.628+/-0.004 χ^2/NDF: 1069244.1/37

All: 28.608+/-0.003 χ^2/NDF: 1944819.9/76

- sign 28.588+/-0.004 χ^2/NDF: 875532.7/38



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

Left Out: -0.006+/-0.007 χ^2/NDF:15.2/21

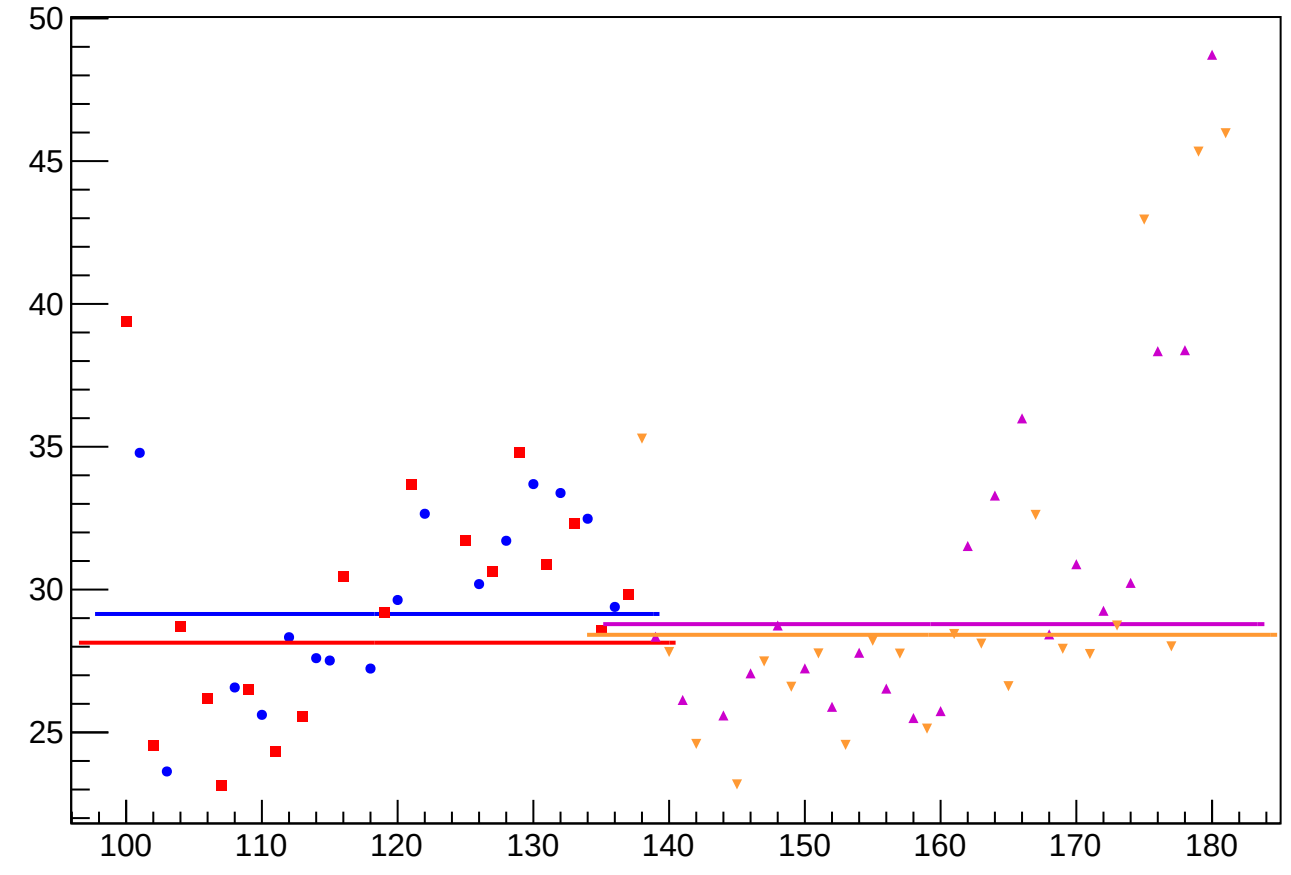
Right Out: 0.022+/-0.011 χ^2/NDF: 9.0/17

Left In: -0.005+/-0.007 χ^2/NDF:28.5/20

+ sign -0.004+/-0.006 χ^2/NDF: 30.8/37

All: -0.000+/-0.004 χ^2/NDF: 73.2/76

- sign 0.004+/-0.006 χ^2/NDF: 41.6/38



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

Left Out: 28.417+/-0.005 χ^2/NDF:886347.4/21

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

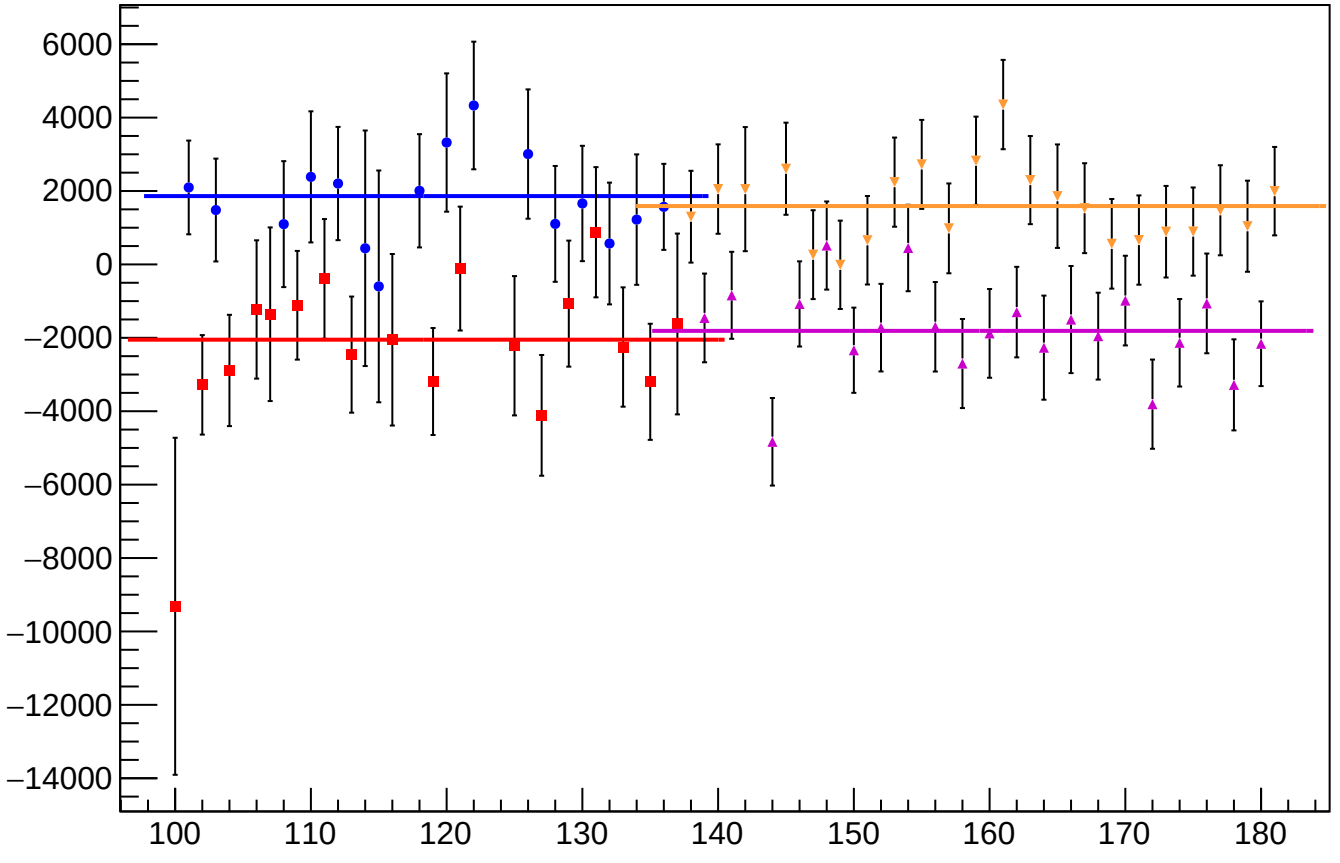
Left In: 28.790+/-0.005 χ^2/NDF:683414.4/20

+ sign 28.628+/-0.004 χ^2/NDF: 1069244.1/37

All: 28.608+/-0.003 χ^2/NDF: 1944819.9/76

- sign 28.588+/-0.004 χ^2/NDF: 875532.7/38

reg_asym_usl_mean vs Slug



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

Left Out: 1590.256+/-264.446 χ^2/NDF:14.8/21

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

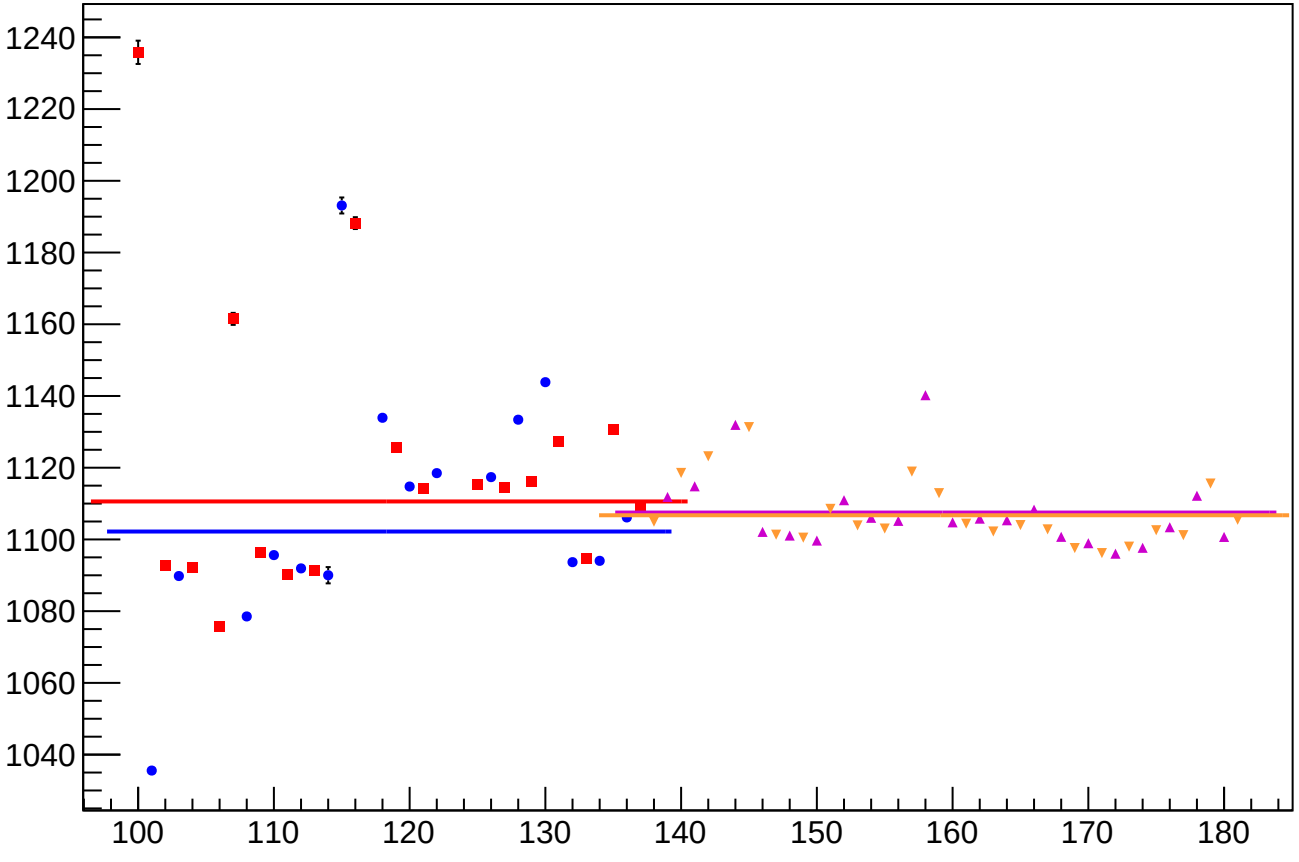
Left In: -1810.675+/-266.627 χ^2/NDF:21.1/20

+ sign 1670.083+/-222.154 χ^2/NDF: 20.4/37

All: -96.162+/-157.525 χ^2/NDF: 181.5/76

- sign -1882.239+/-223.398 χ^2/NDF: 33.9/38

reg_asym_usl_rms vs Slug



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

Left Out: 1106.741+/-0.187 χ^2/NDF:2119.9/21

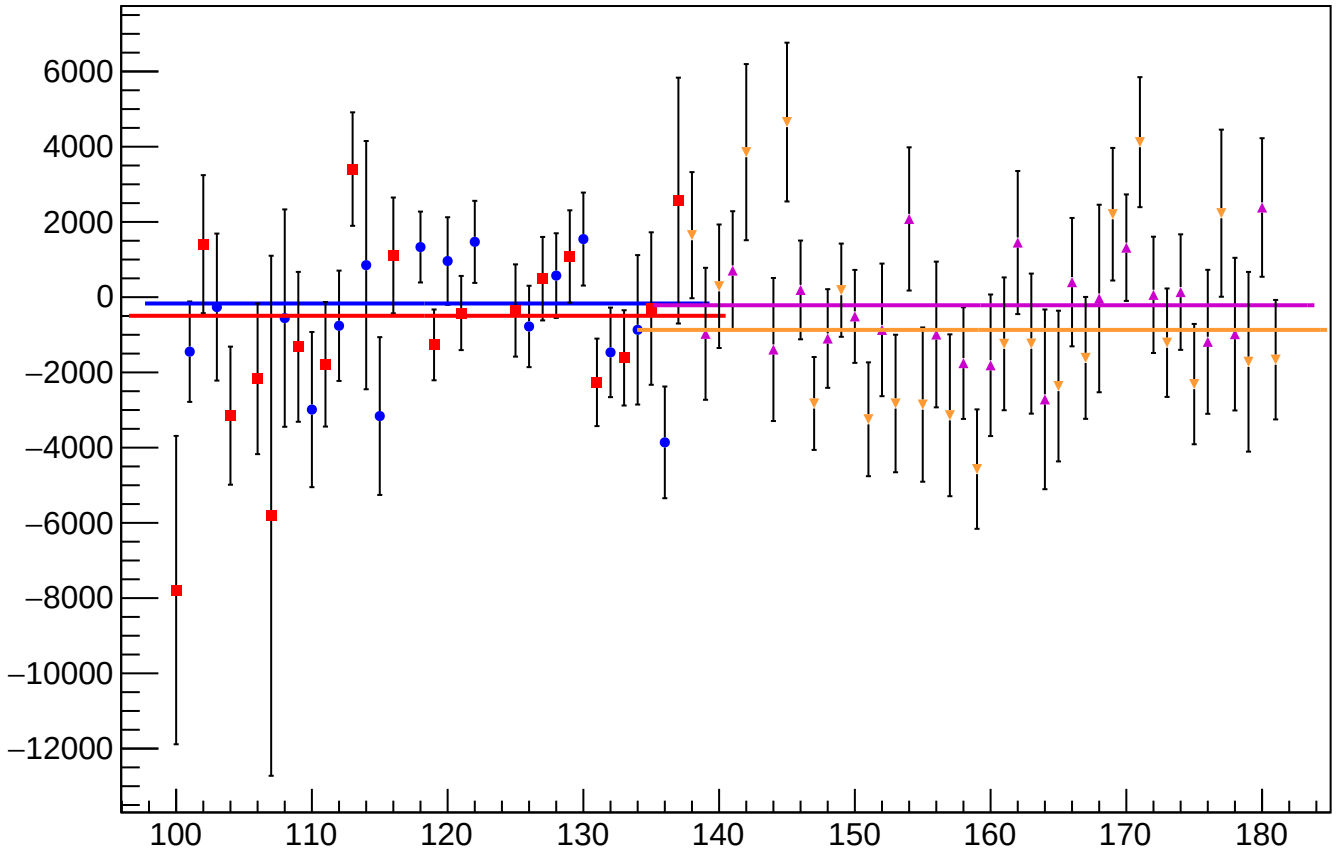
Right Out: 1110.592+/-0.289 χ^2/NDF: 7696.0/17

Left In: 1107.496+/-0.189 χ^2/NDF:3226.1/20

+ sign 1105.406+/-0.157 χ^2/NDF: 13642.0/37

All: 1106.904+/-0.111 χ^2/NDF: 24827.3/76

- sign 1108.418+/-0.158 χ^2/NDF: 11002.5/38



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

Left Out: -869.961+/-363.435 χ^2/NDF:43.4/21

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

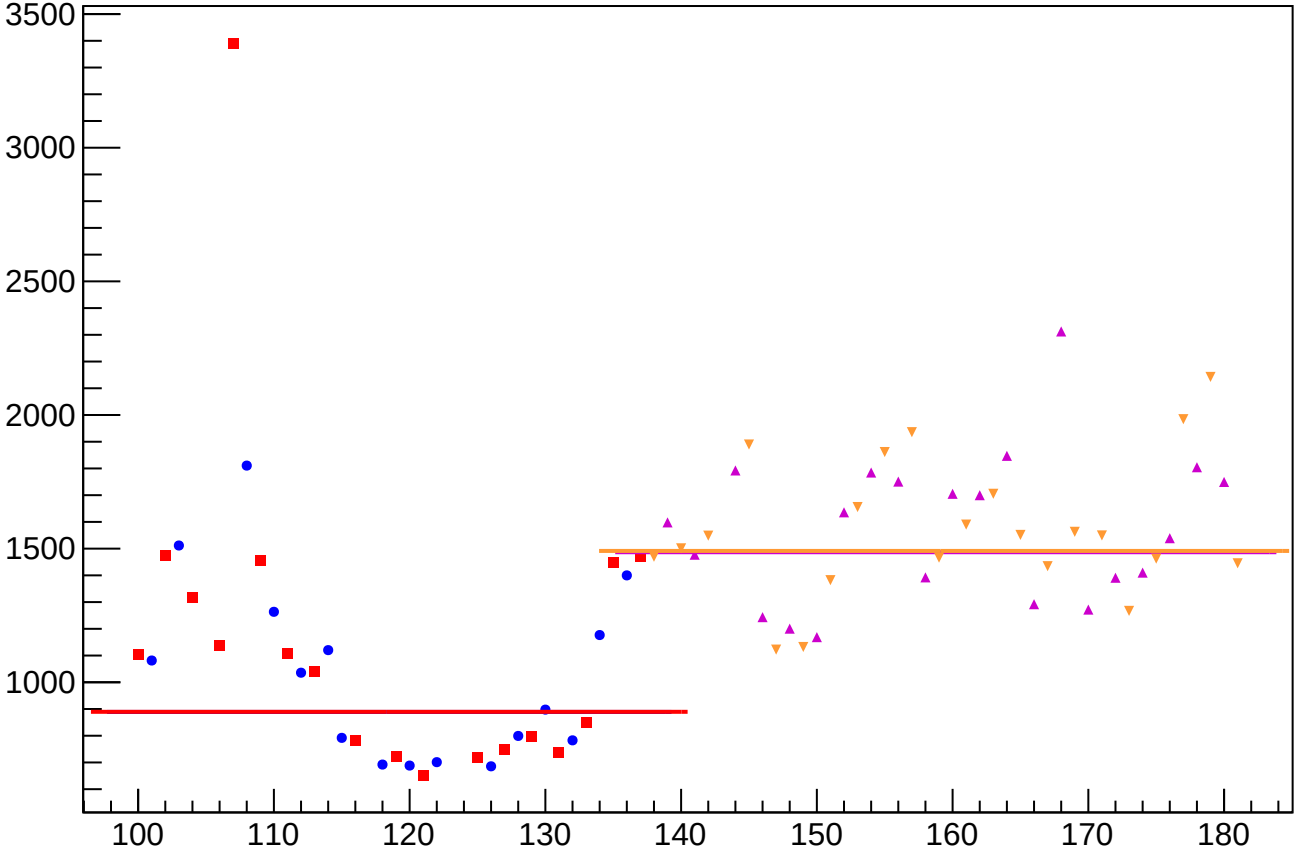
Left In: -215.055+/-364.420 χ^2/NDF:10.7/20

+ sign -501.116+/-250.384 χ^2/NDF: 66.4/37

All: -431.983+/-177.109 χ^2/NDF: 100.9/76

- sign -362.754+/-250.557 χ^2/NDF: 34.3/38

asym_usl_reg_correction_rms vs Slug



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

Left Out: 1491.421+/-0.257 χ^2/NDF:937681.6/21

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

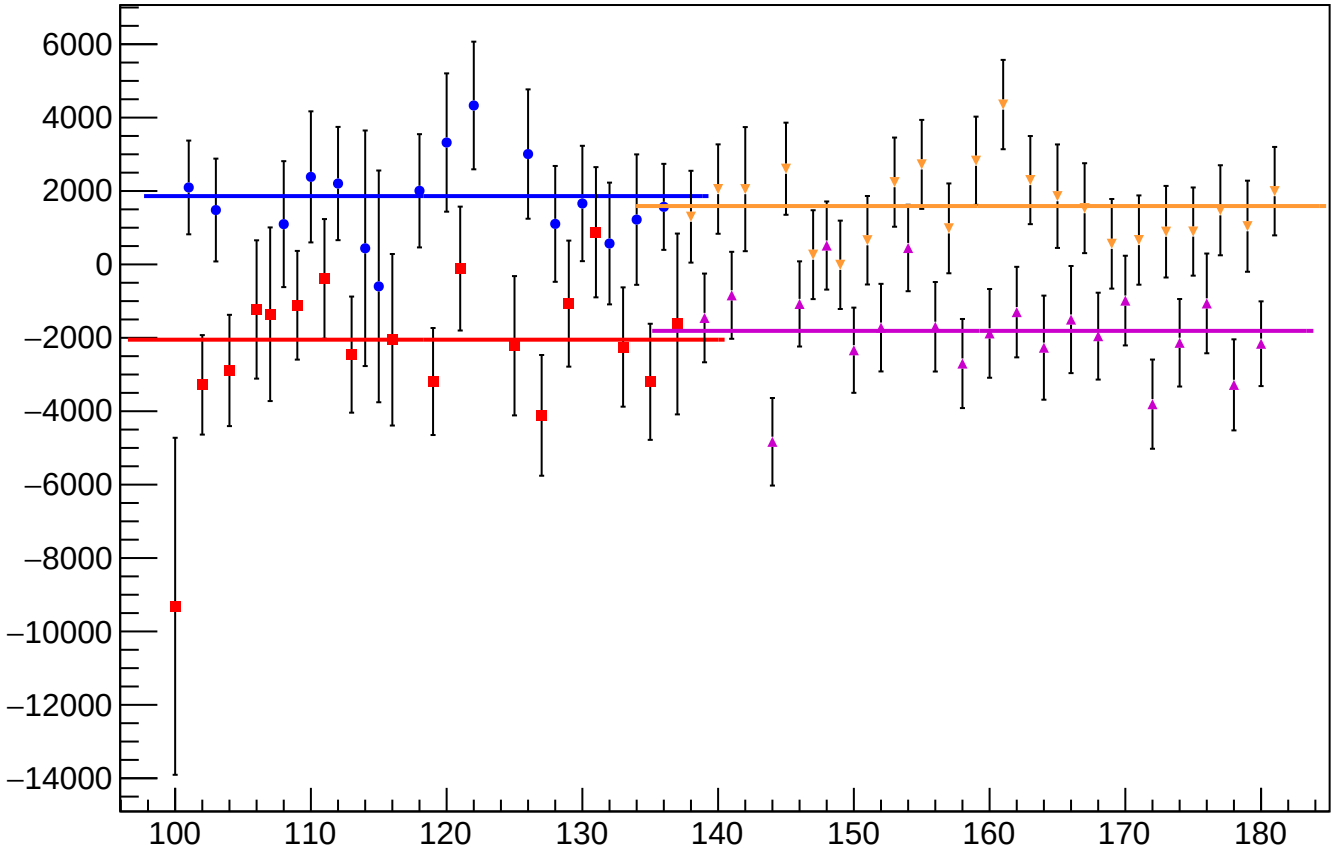
Left In: 1486.551+/-0.258 χ^2/NDF:957679.4/20

+ sign 1174.905+/-0.177 χ^2/NDF: 4957818.8/37

All: 1173.318+/-0.125 χ^2/NDF: 10092268.5/7

- sign 1171.729+/-0.177 χ^2/NDF: 5134288.9/38

cor_asym_usl_mean vs Slug



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

Left Out: 1590.256+/-264.446 χ^2/NDF:14.8/21

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

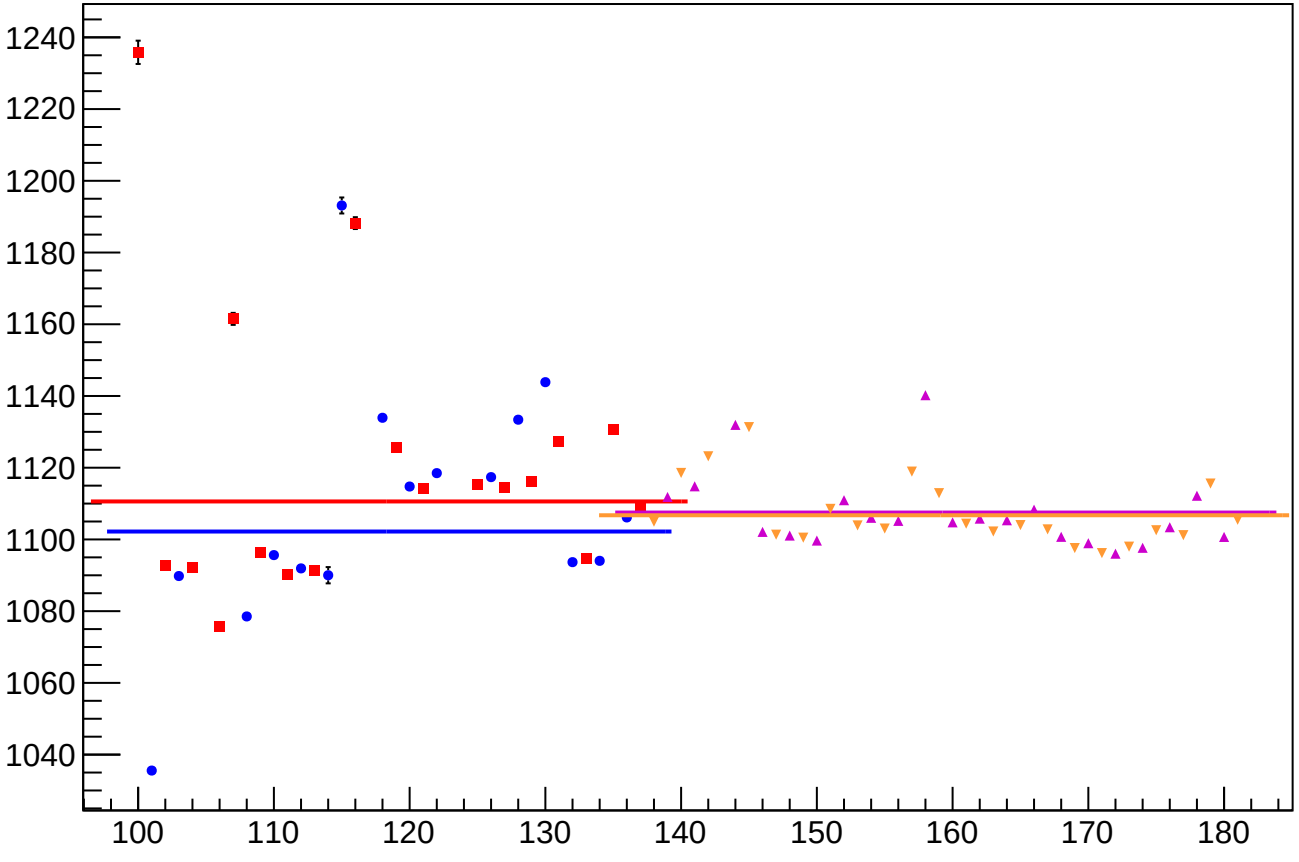
Left In: -1810.675+/-266.627 χ^2/NDF:21.1/20

+ sign 1670.083+/-222.154 χ^2/NDF: 20.4/37

All: -96.162+/-157.525 χ^2/NDF: 181.5/76

- sign -1882.239+/-223.398 χ^2/NDF: 33.9/38

cor_asym_usl_rms vs Slug



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

Left Out: 1106.741+/-0.187 χ^2/NDF:2119.9/21

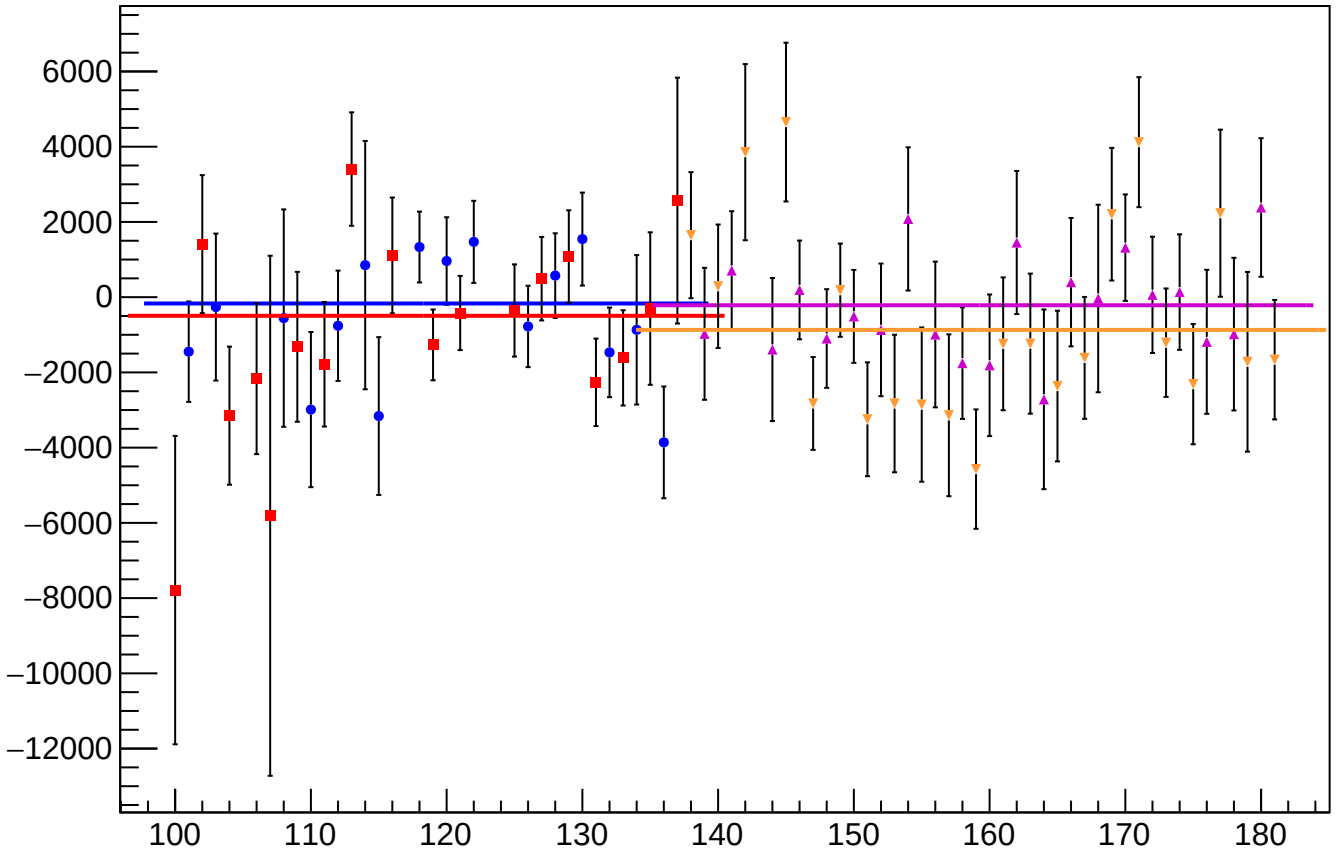
Right Out: 1110.592+/-0.289 χ^2/NDF: 7696.0/17

Left In: 1107.496+/-0.189 χ^2/NDF:3226.1/20

+ sign 1105.406+/-0.157 χ^2/NDF: 13642.0/37

All: 1106.904+/-0.111 χ^2/NDF: 24827.3/76

- sign 1108.418+/-0.158 χ^2/NDF: 11002.5/38



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

Left Out: -869.961+/-363.435 χ^2/NDF:43.4/21

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

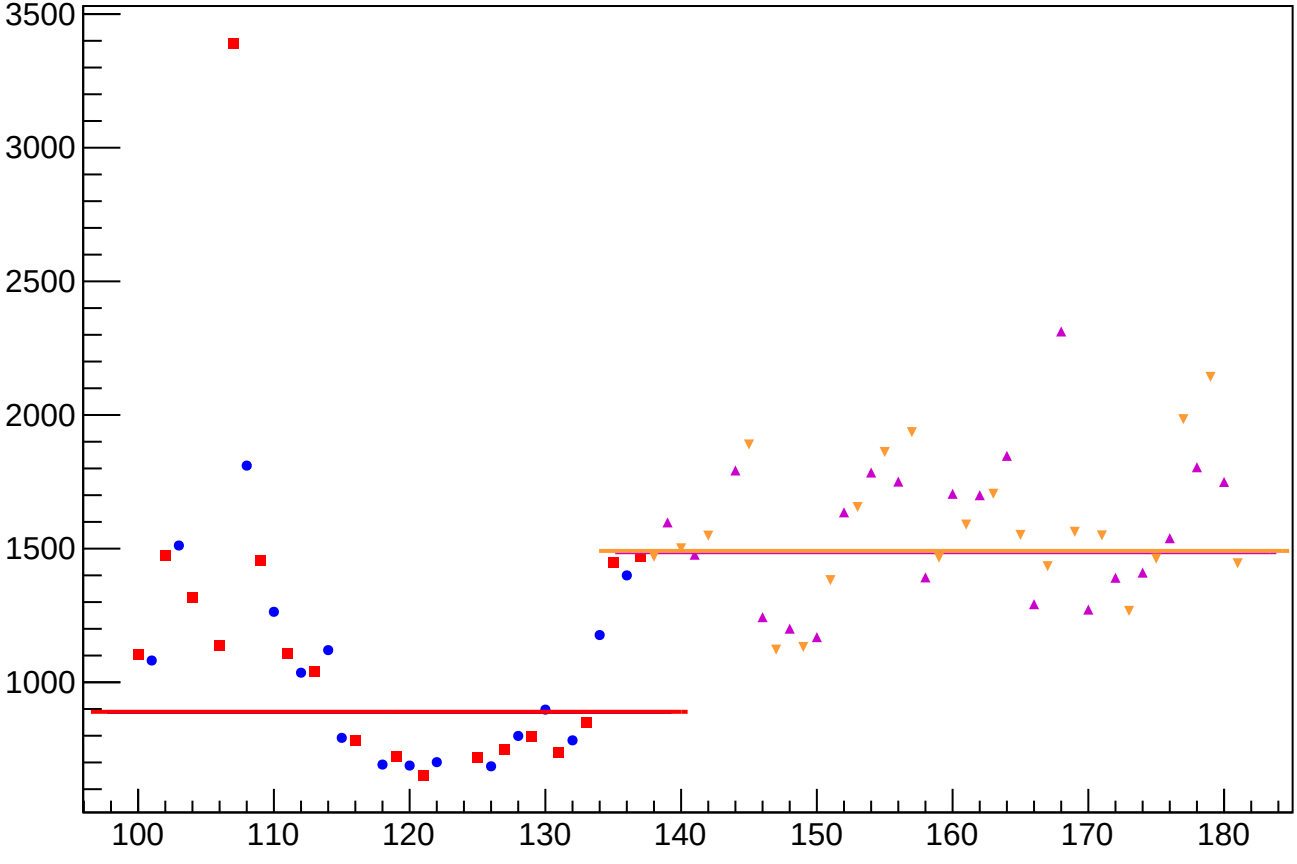
Left In: -215.055+/-364.420 χ^2/NDF:10.7/20

+ sign -501.116+/-250.384 χ^2/NDF: 66.4/37

All: -431.983+/-177.109 χ^2/NDF: 100.9/76

- sign -362.754+/-250.557 χ^2/NDF: 34.3/38

asym_usl_cor_correction_rms vs Slug



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

Left Out: 1491.421+/-0.257 χ^2/NDF:937681.6/21

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

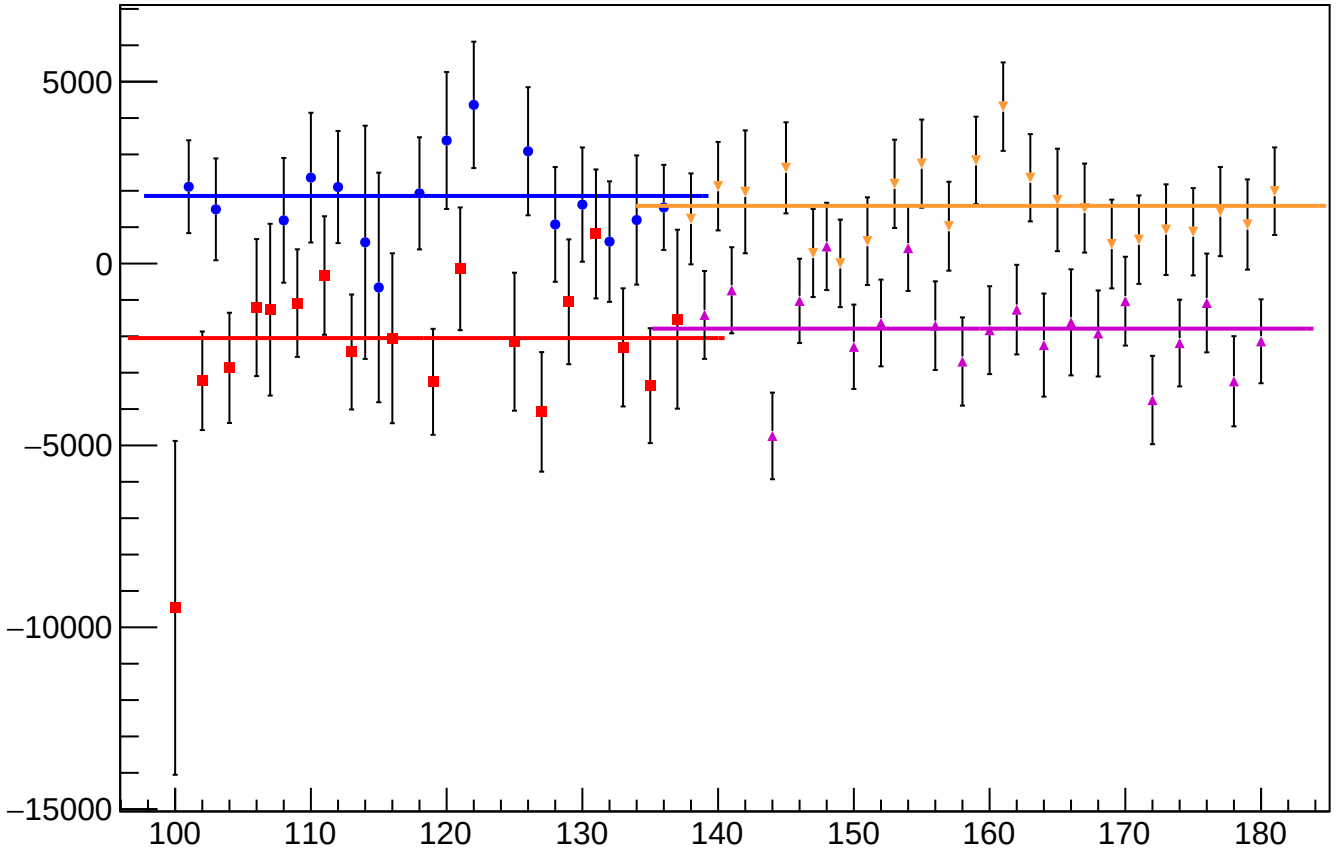
Left In: 1486.551+/-0.258 χ^2/NDF:957679.4/20

+ sign 1174.905+/-0.177 χ^2/NDF: 4957818.8/37

All: 1173.318+/-0.125 χ^2/NDF: 10092268.5/7

- sign 1171.729+/-0.177 χ^2/NDF: 5134288.9/38

overload_cor_asym_usl_mean vs Slug



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

Left Out: 1586.183+/-264.192 χ^2/NDF:14.7/21

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

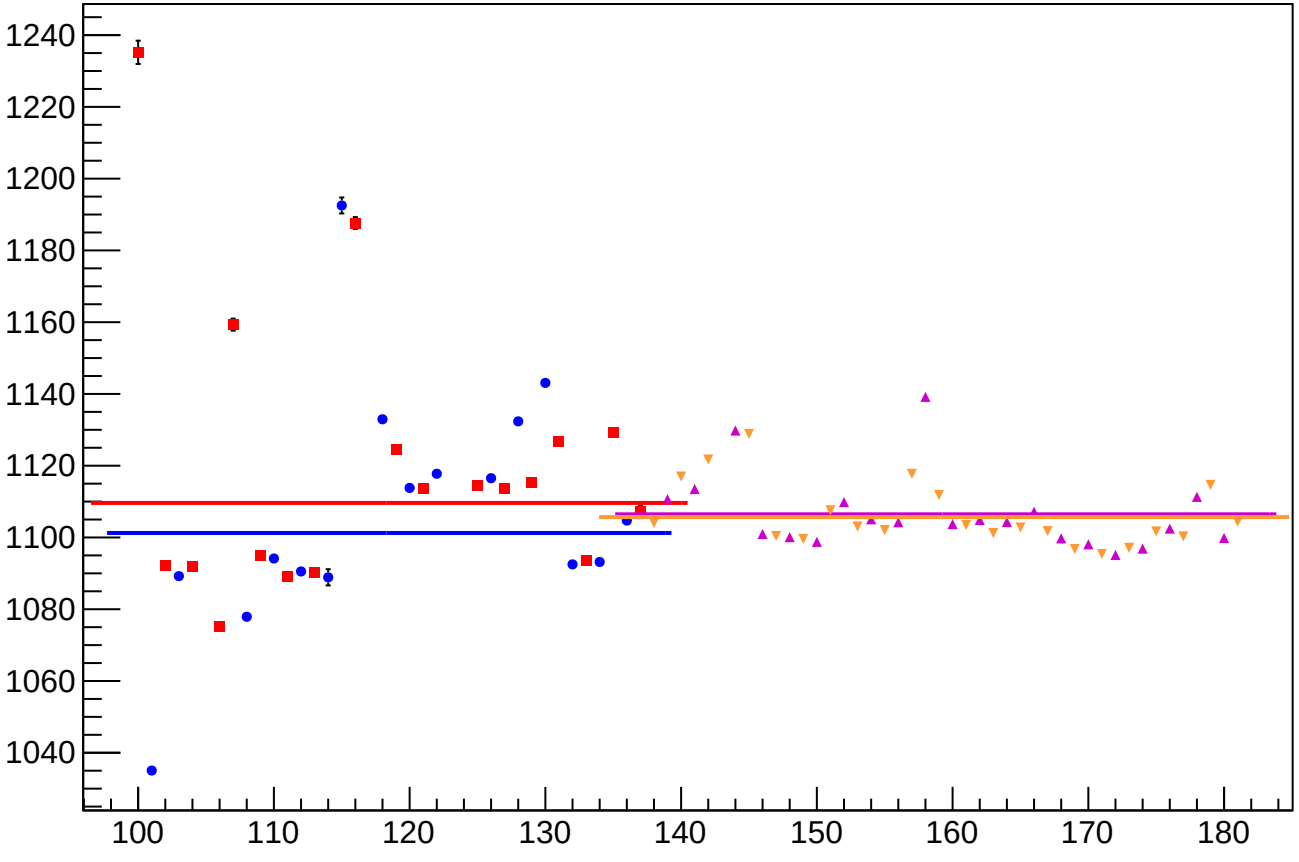
Left In: -1789.108+/-266.375 χ^2/NDF:20.4/20

+ sign 1666.362+/-221.947 χ^2/NDF: 20.5/37

All: -90.162+/-157.379 χ^2/NDF: 179.9/76

- sign -1866.444+/-223.192 χ^2/NDF: 33.5/38

overload_cor_asym_usl_rms vs Slug



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

Left Out: 1105.684+/-0.187 χ^2/NDF:1985.1/21

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

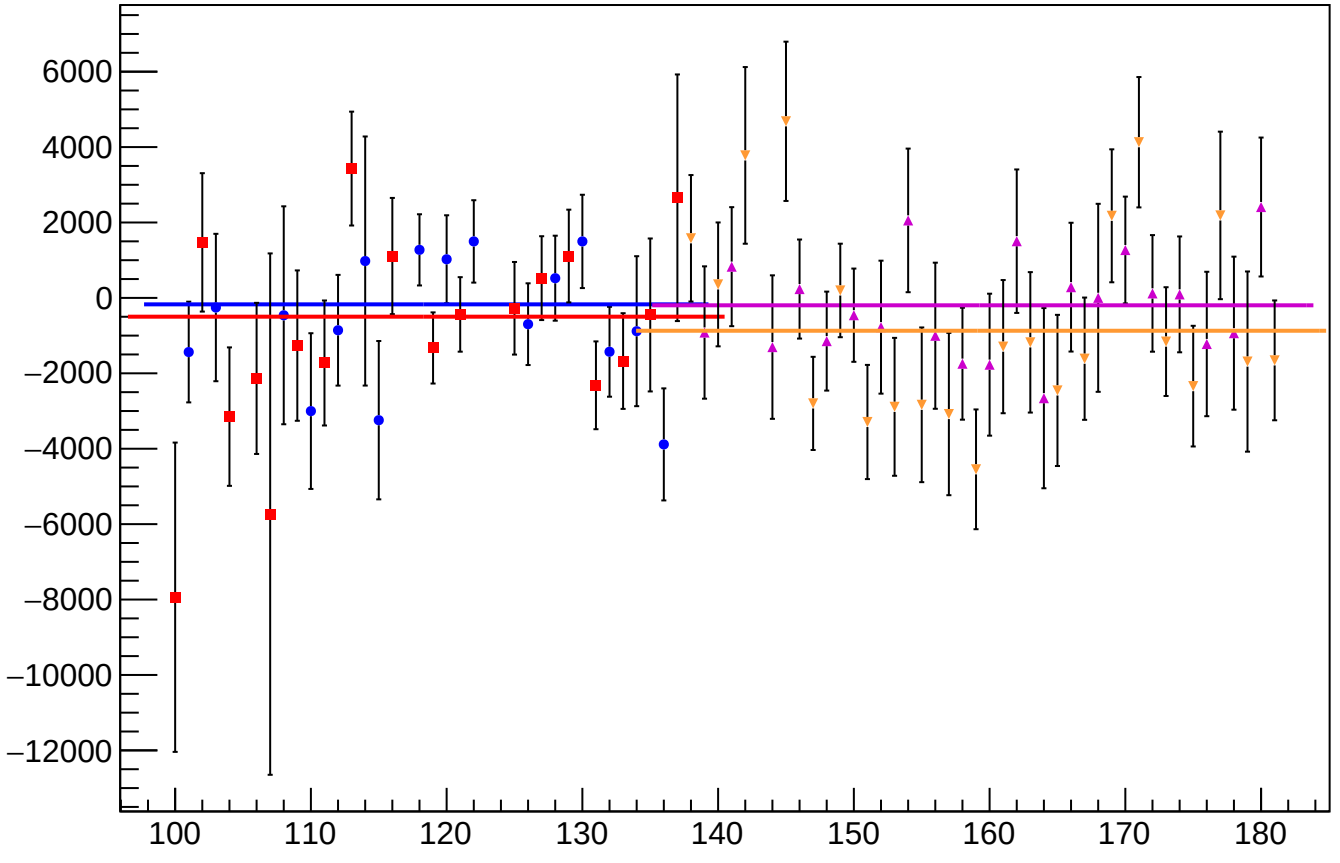
Left In: 1106.452+/-0.188 χ^2/NDF:3128.8/20

+ sign 1104.381+/-0.157 χ^2/NDF: 13458.8/37

All: 1105.881+/-0.111 χ^2/NDF: 24529.3/76

- sign 1107.398+/-0.158 χ^2/NDF: 10886.6/38

asym_usl_overload_cor_correction_mean vs Slug



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

Left Out: -871.047+/-363.637 χ^2/NDF:43.2/21

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

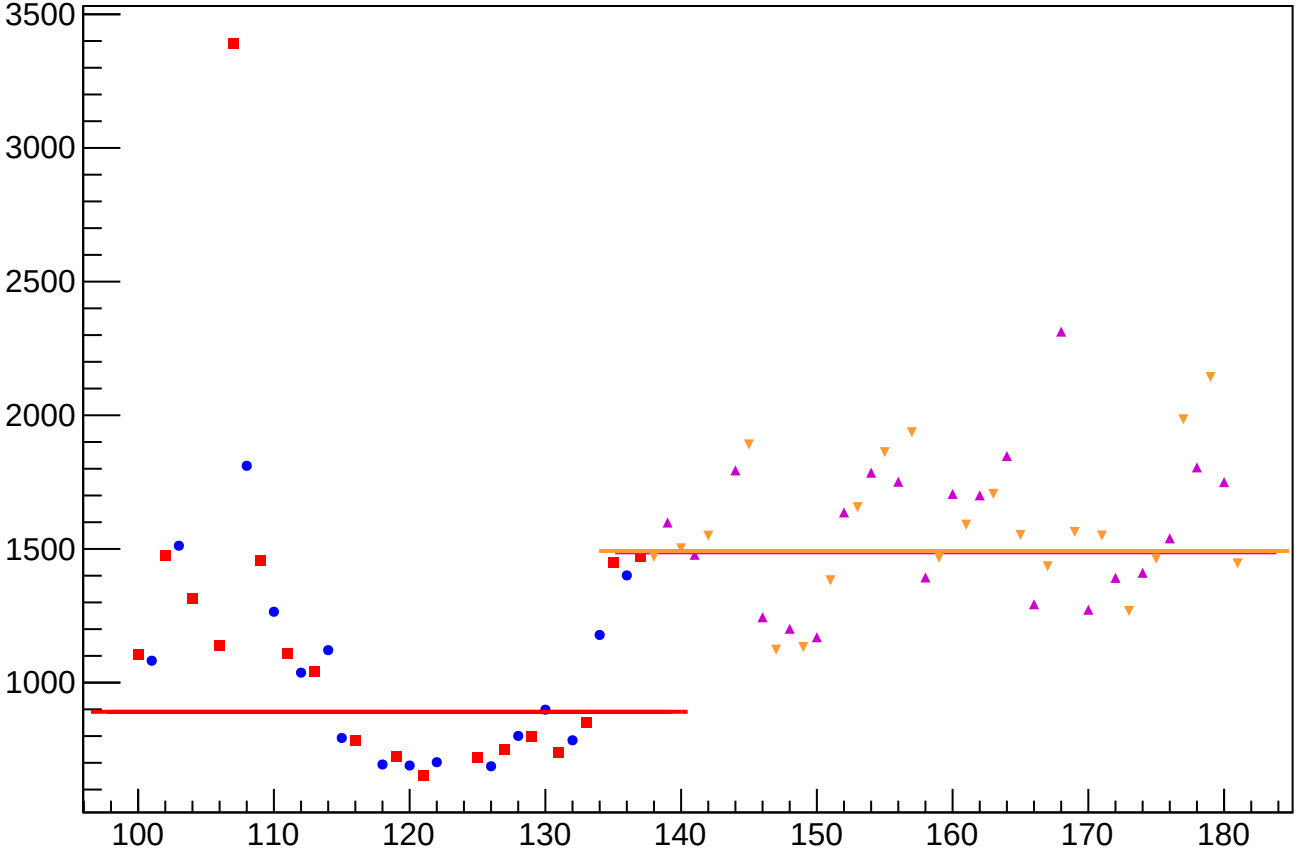
Left In: -196.191+/-364.621 χ^2/NDF:10.6/20

+ sign -503.579+/-250.655 χ^2/NDF: 66.1/37

All: -429.421+/-177.297 χ^2/NDF: 101.1/76

- sign -355.165+/-250.818 χ^2/NDF: 34.9/38

asym_usl_overload_cor_correction_rms vs Slug



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

Left Out: 1492.293+/-0.257 χ^2/NDF:936197.6/21

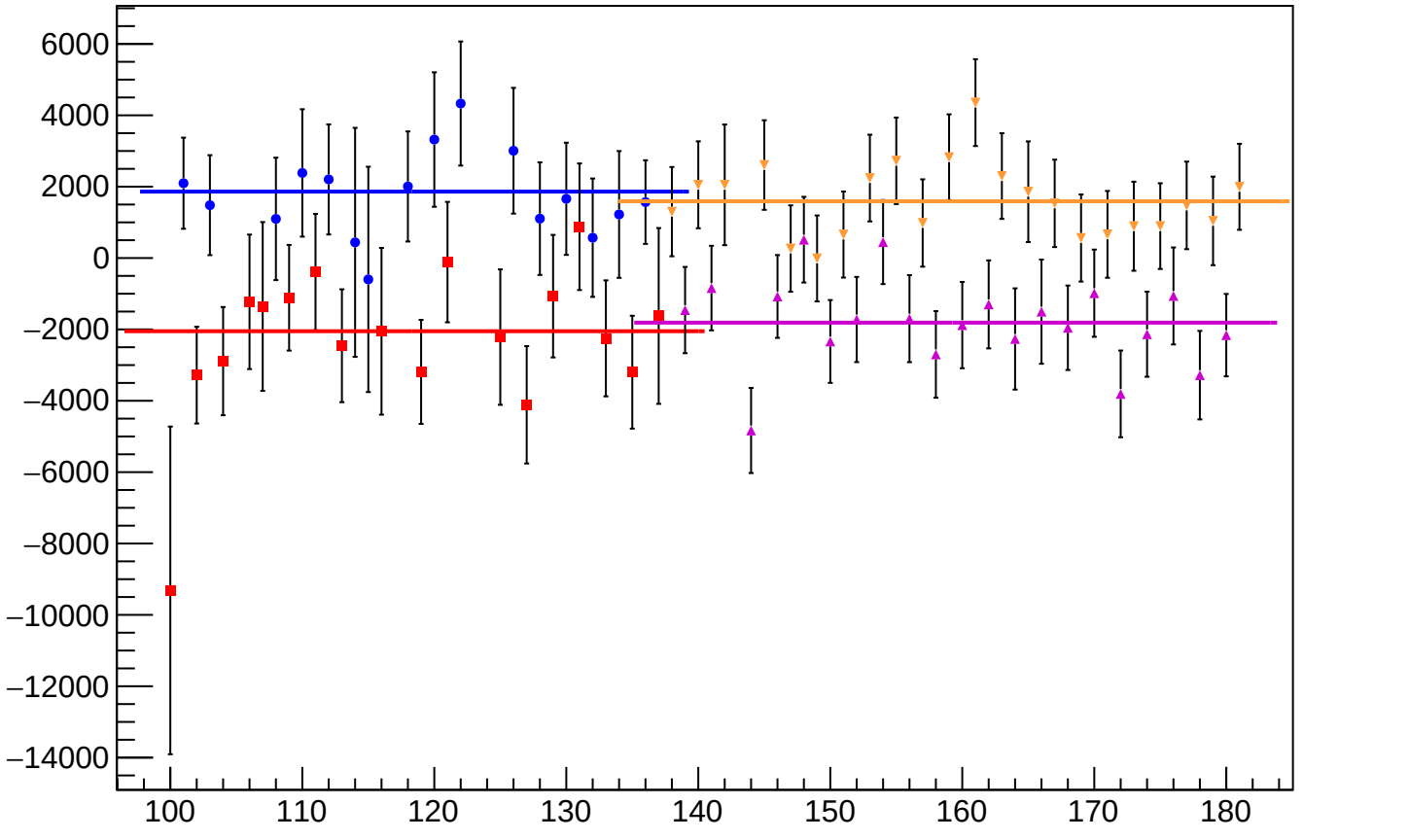
Right Out: 890.938+/-0.244 χ^2/NDF: 1341804.2/17

Left In: 1487.414+/-0.258 χ^2/NDF:956155.8/20

+ sign 1176.429+/-0.177 χ^2/NDF: 4939984.7/37

All: 1174.807+/-0.125 χ^2/NDF: 10057719.5/7

- sign 1173.183+/-0.177 χ^2/NDF: 5117567.1/38



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

Left Out: 1590.256+/-264.446 χ^2/NDF:14.8/21

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

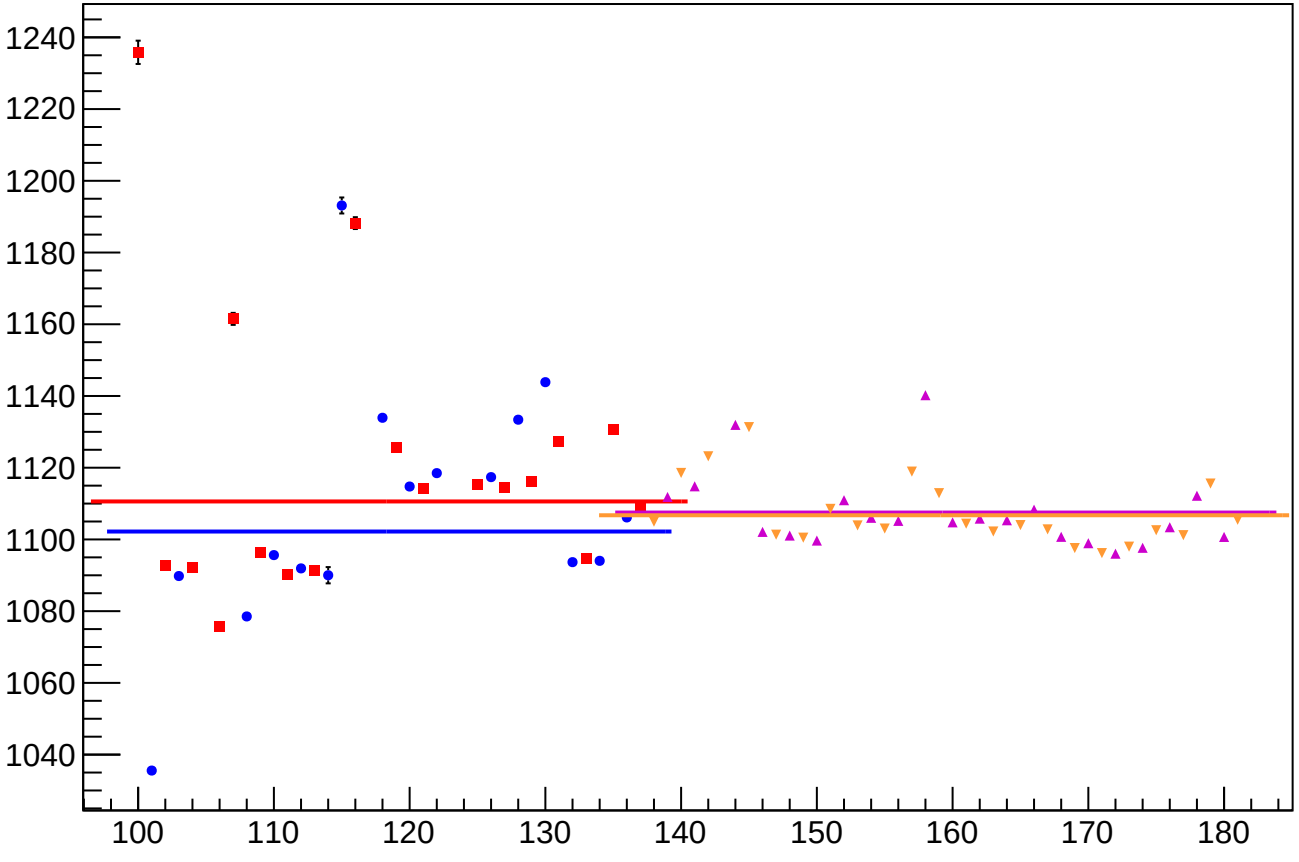
Left In: -1810.675+/-266.627 χ^2/NDF:21.1/20

+ sign 1670.083+/-222.154 χ^2/NDF: 20.4/37

All: -96.162+/-157.525 χ^2/NDF: 181.5/76

- sign -1882.239+/-223.398 χ^2/NDF: 33.9/38

eigen_cor_asym_usl_rms vs Slug



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

Left Out: 1106.741+/-0.187 χ^2/NDF:2119.9/21

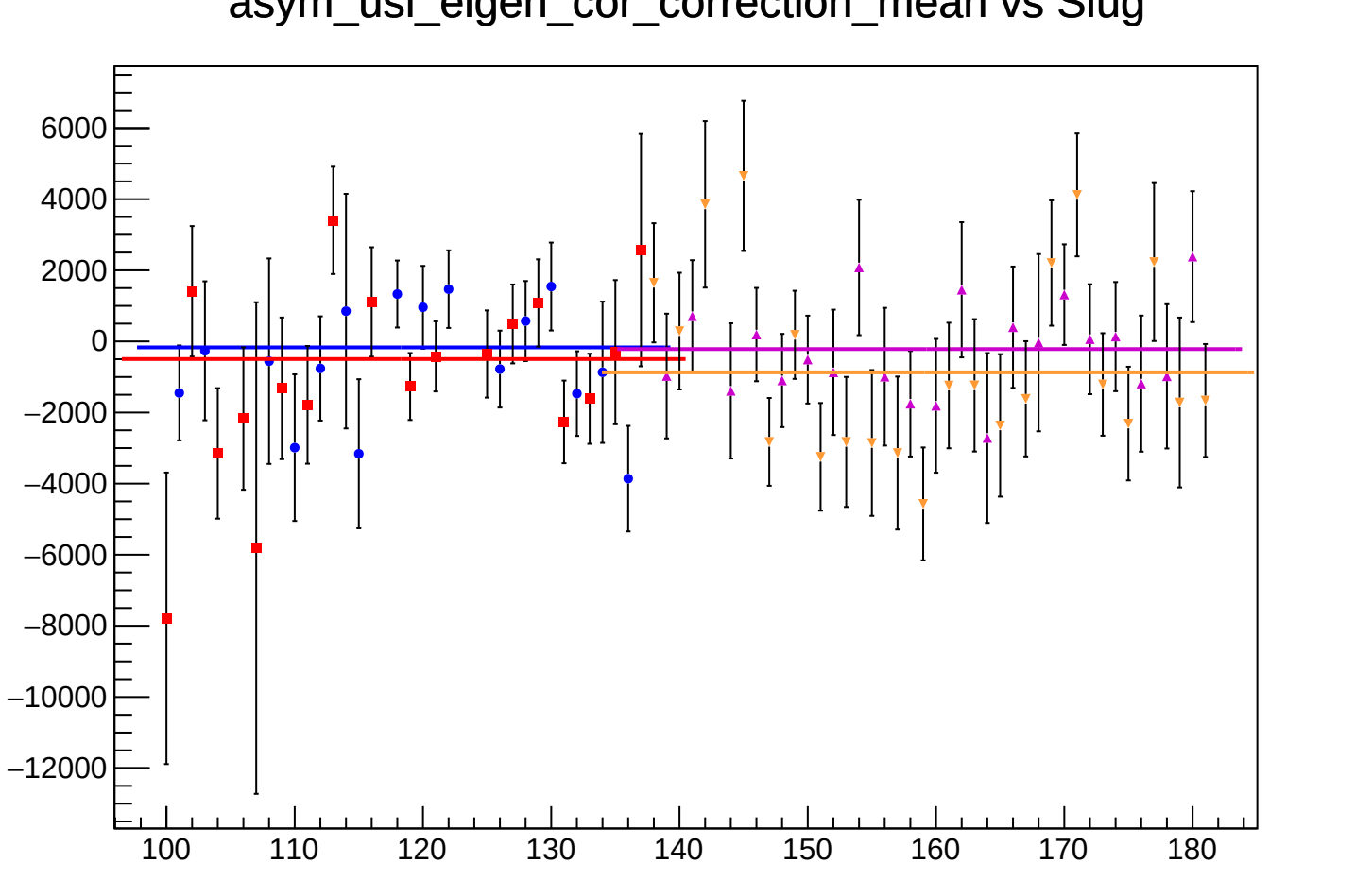
Right Out: 1110.592+/-0.289 χ^2/NDF: 7696.0/17

Left In: 1107.496+/-0.189 χ^2/NDF:3226.1/20

+ sign 1105.406+/-0.157 χ^2/NDF: 13642.0/37

All: 1106.904+/-0.111 χ^2/NDF: 24827.3/76

- sign 1108.418+/-0.158 χ^2/NDF: 11002.5/38



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

Left Out: -869.961+/-363.435 χ^2/NDF:43.4/21

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

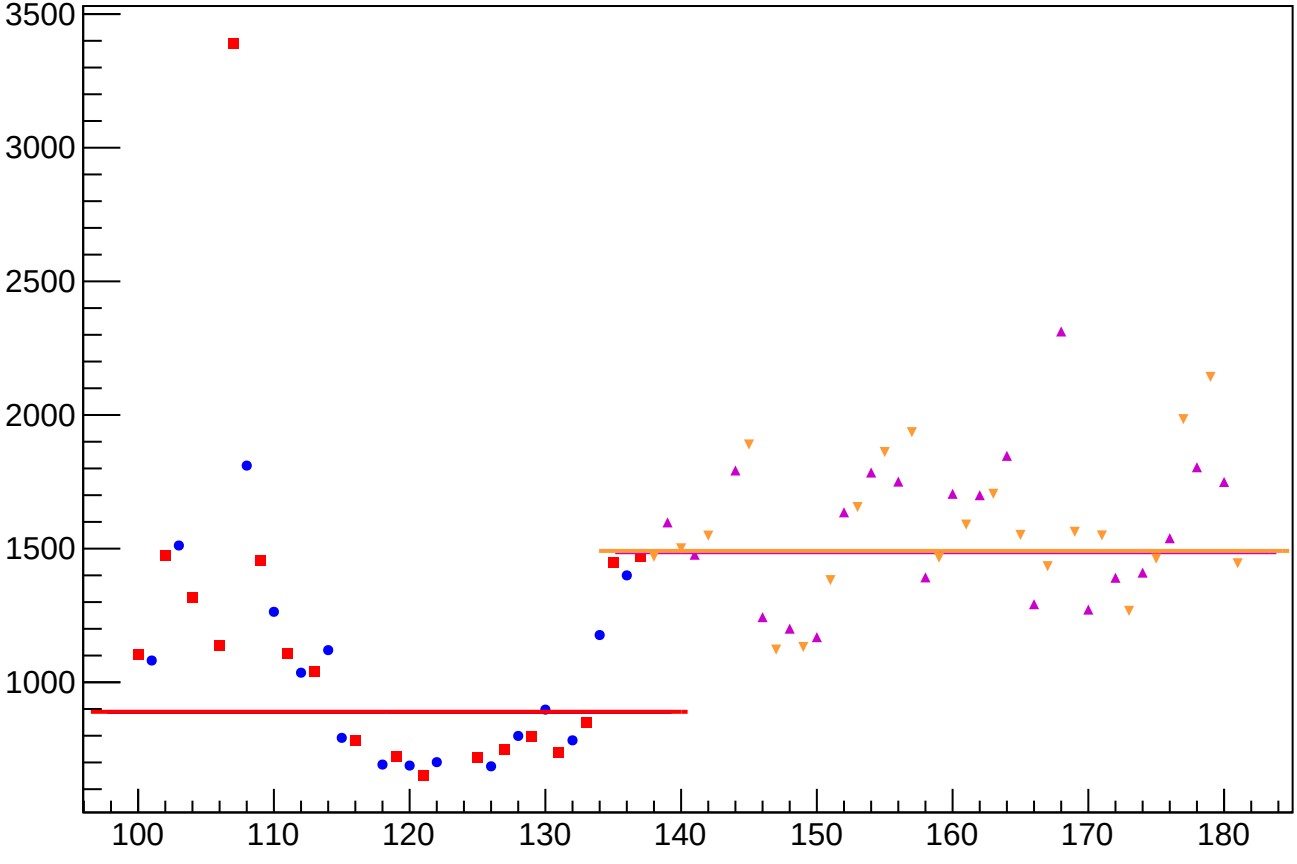
Left In: -215.055+/-364.420 χ^2/NDF:10.7/20

+ sign -501.116+/-250.384 χ^2/NDF: 66.4/37

All: -431.983+/-177.109 χ^2/NDF: 100.9/76

- sign -362.754+/-250.557 χ^2/NDF: 34.3/38

asym_usl_eigen_cor_correction_rms vs Slug



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

Left Out: 1491.421+/-0.257 χ^2/NDF:937681.6/21

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

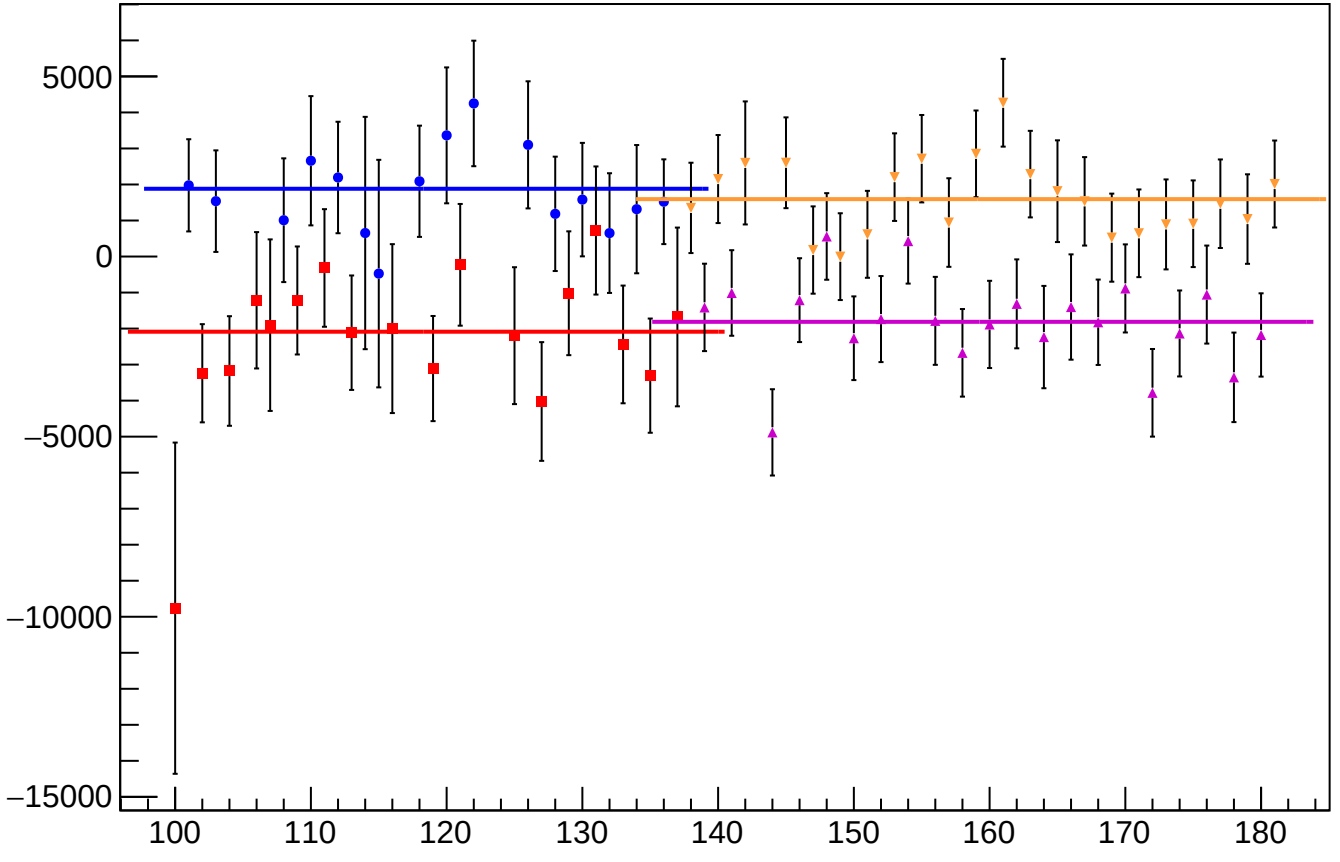
Left In: 1486.551+/-0.258 χ^2/NDF:957679.4/20

+ sign 1174.905+/-0.177 χ^2/NDF: 4957818.8/37

All: 1173.318+/-0.125 χ^2/NDF: 10092268.5/7

- sign 1171.729+/-0.177 χ^2/NDF: 5134288.9/38

dit_asym_usl_mean vs Slug



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

Left Out: 1593.550+/-264.947 χ^2/NDF:15.0/21

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

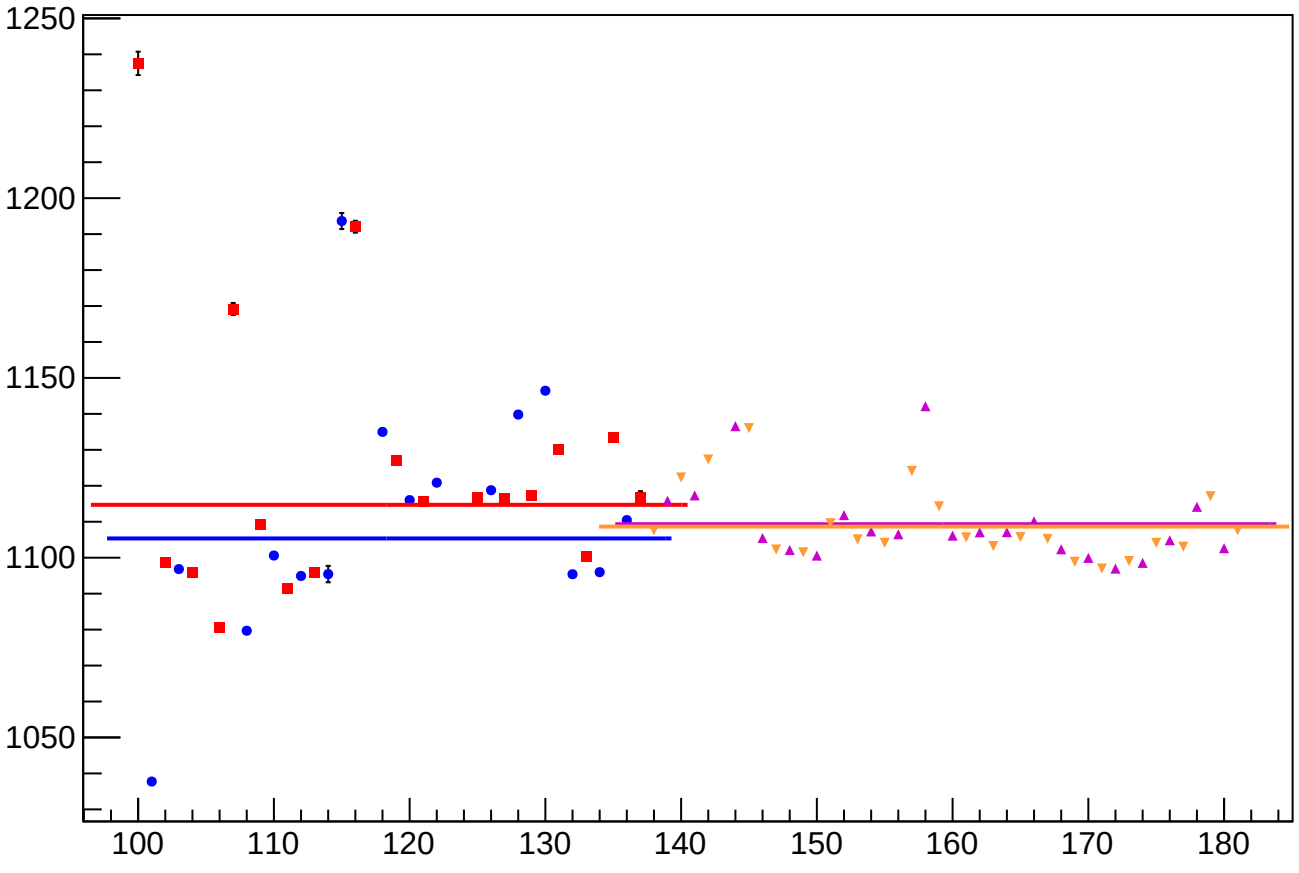
Left In: -1812.456+/-267.068 χ^2/NDF:21.1/20

+ sign 1678.177+/-222.639 χ^2/NDF: 20.5/37

All: -97.768+/-157.876 χ^2/NDF: 182.3/76

- sign -1893.990+/-223.907 χ^2/NDF: 33.8/38

dit_asym_usl_rms vs Slug



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

Left Out: 1108.650+/-0.187 χ^2/NDF:2637.2/21

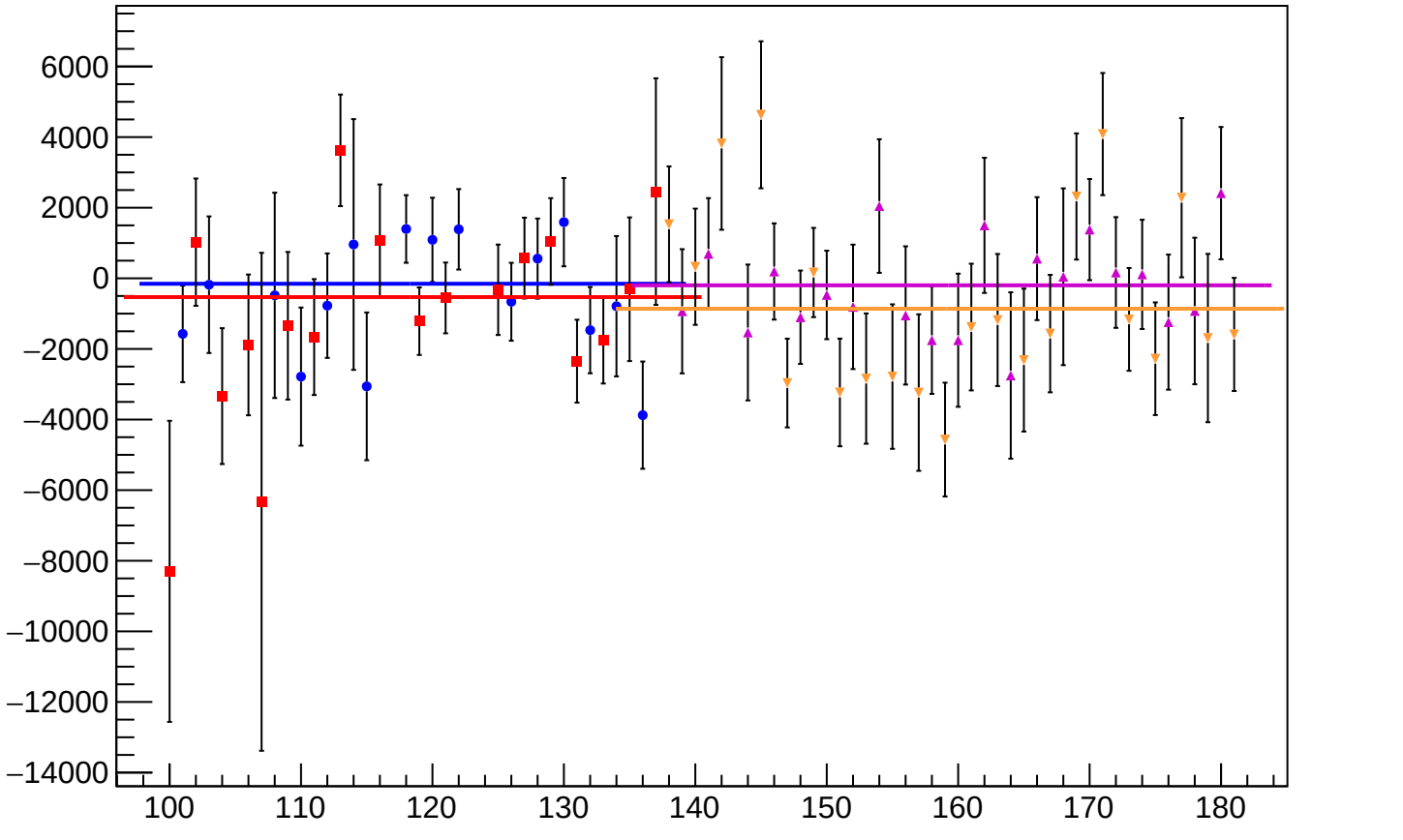
Right Out: 1114.705+/-0.290 χ^2/NDF: 7330.3/17

Left In: 1109.305+/-0.189 χ^2/NDF:3572.5/20

+ sign 1107.682+/-0.157 χ^2/NDF: 14059.0/37

All: 1109.287+/-0.112 χ^2/NDF: 25413.7/76

- sign 1110.909+/-0.158 χ^2/NDF: 11145.7/38



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

Left Out: -861.797+/-366.956 χ^2/NDF:42.9/21

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

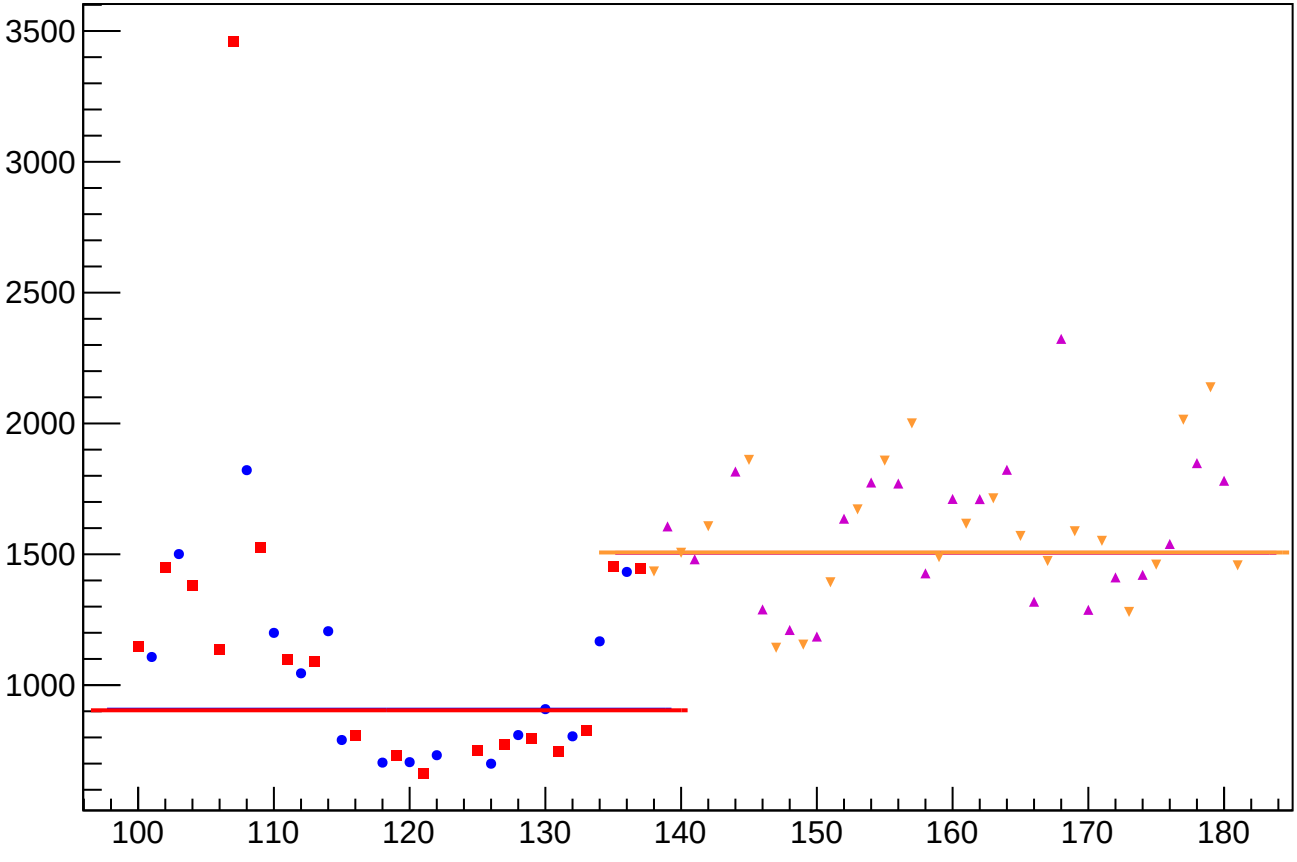
Left In: -197.766+/-368.562 χ^2/NDF:10.8/20

+ sign -492.495+/-253.768 χ^2/NDF: 65.3/37

All: -432.990+/-179.506 χ^2/NDF: 99.9/76

- sign -373.399+/-253.951 χ^2/NDF: 34.5/38

asym_usl_dit_correction_rms vs Slug



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

Left Out: 1506.929+/-0.259 χ^2/NDF:907545.5/21

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

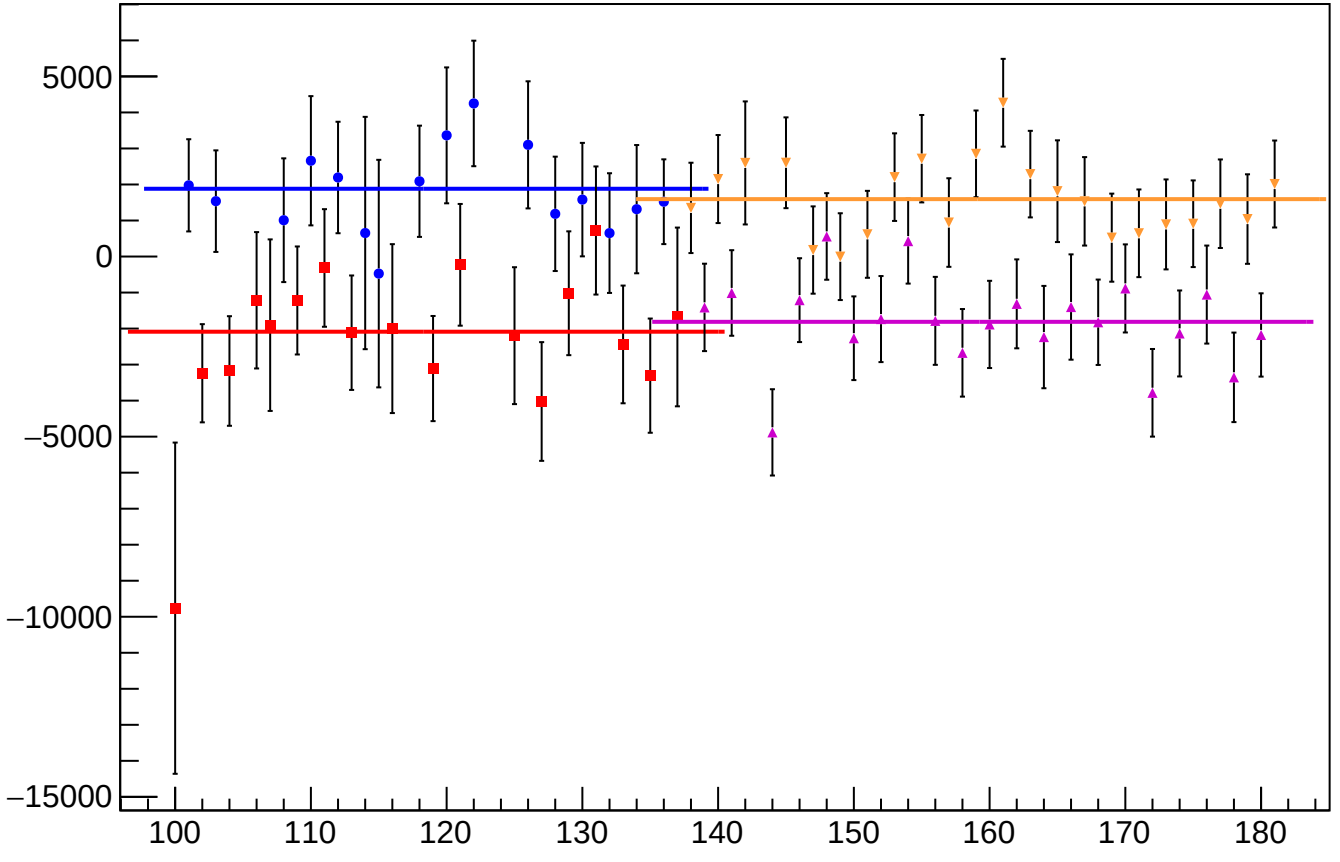
Left In: 1505.353+/-0.261 χ^2/NDF:910140.7/20

+ sign 1193.406+/-0.179 χ^2/NDF: 4785117.7/37

All: 1191.390+/-0.127 χ^2/NDF: 9834334.3/76

- sign 1189.371+/-0.180 χ^2/NDF: 5048964.0/38

eigen_dit_asym_usl_mean vs Slug



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

Left Out: 1593.547+/-264.947 χ^2/NDF:15.0/21

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

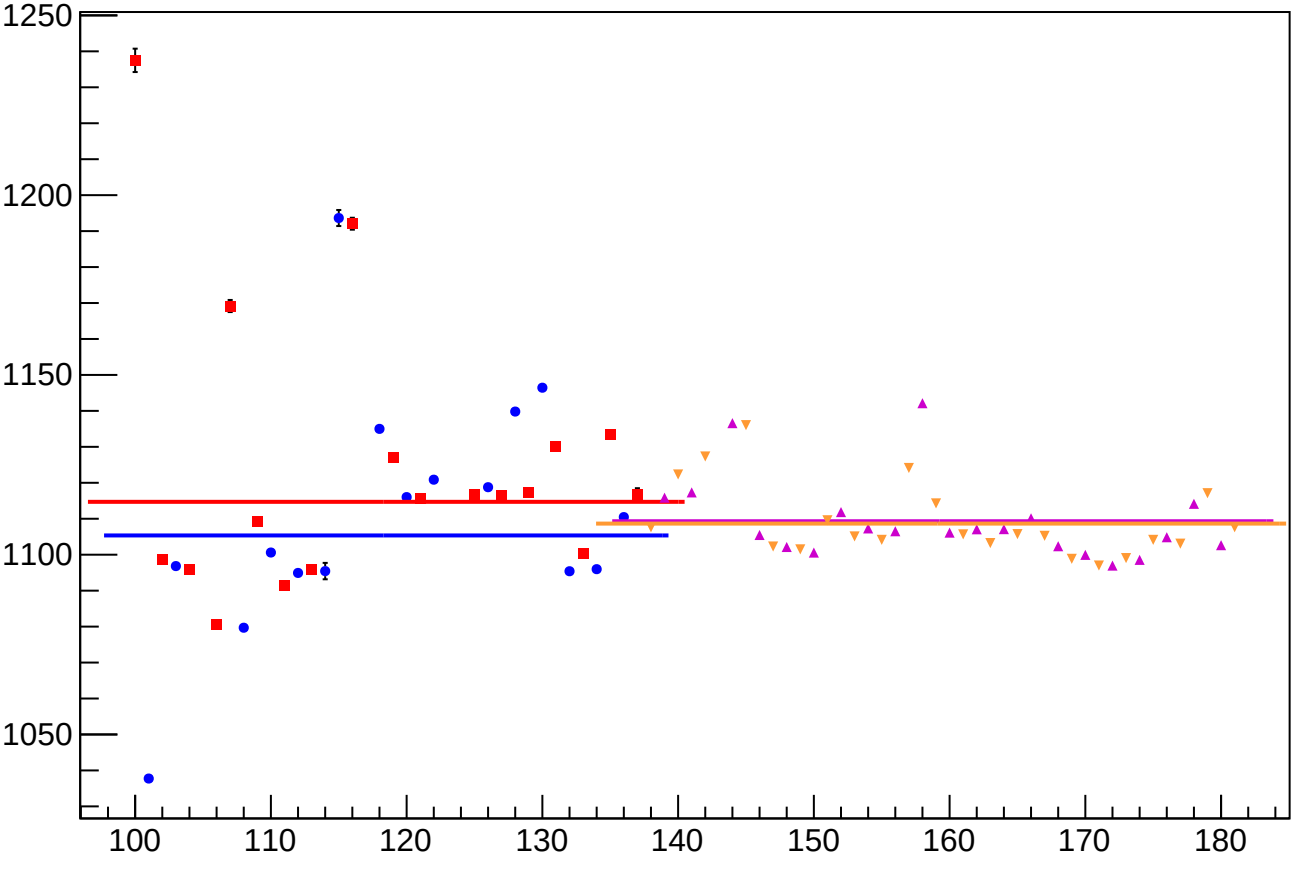
Left In: -1812.457+/-267.068 χ^2/NDF:21.1/20

+ sign 1678.174+/-222.639 χ^2/NDF: 20.5/37

All: -97.769+/-157.876 χ^2/NDF: 182.3/76

- sign -1893.990+/-223.907 χ^2/NDF: 33.8/38

eigen_dit_asym_usl_rms vs Slug



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

Left Out: 1108.650+/-0.187 χ^2/NDF:2637.2/21

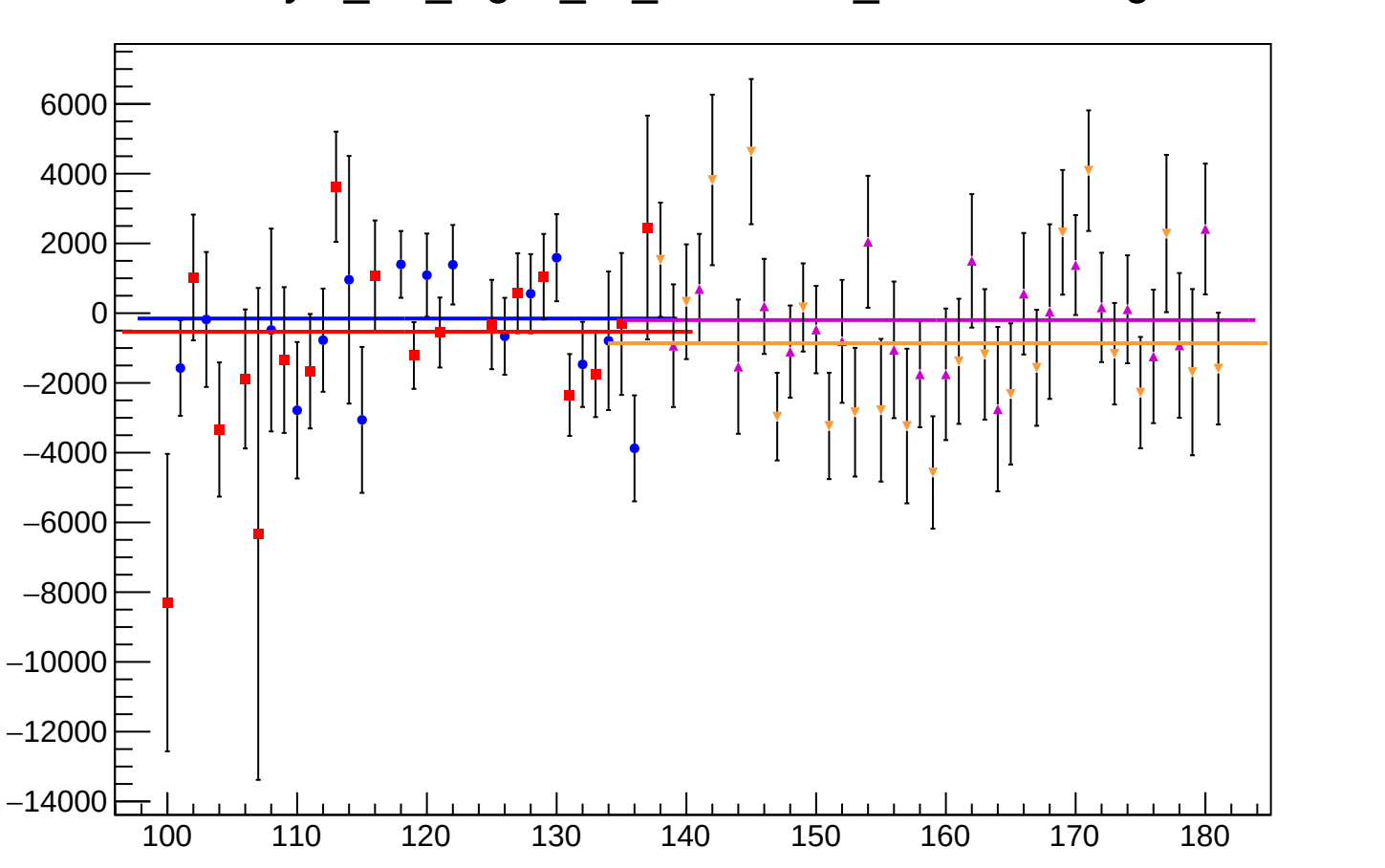
Right Out: 1114.705+/-0.290 χ^2/NDF: 7330.2/17

Left In: 1109.305+/-0.189 χ^2/NDF:3572.5/20

+ sign 1107.682+/-0.157 χ^2/NDF: 14059.0/37

All: 1109.287+/-0.112 χ^2/NDF: 25413.6/76

- sign 1110.909+/-0.158 χ^2/NDF: 11145.6/38



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

Left Out: -861.801+/-366.956 χ^2/NDF:42.9/21

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

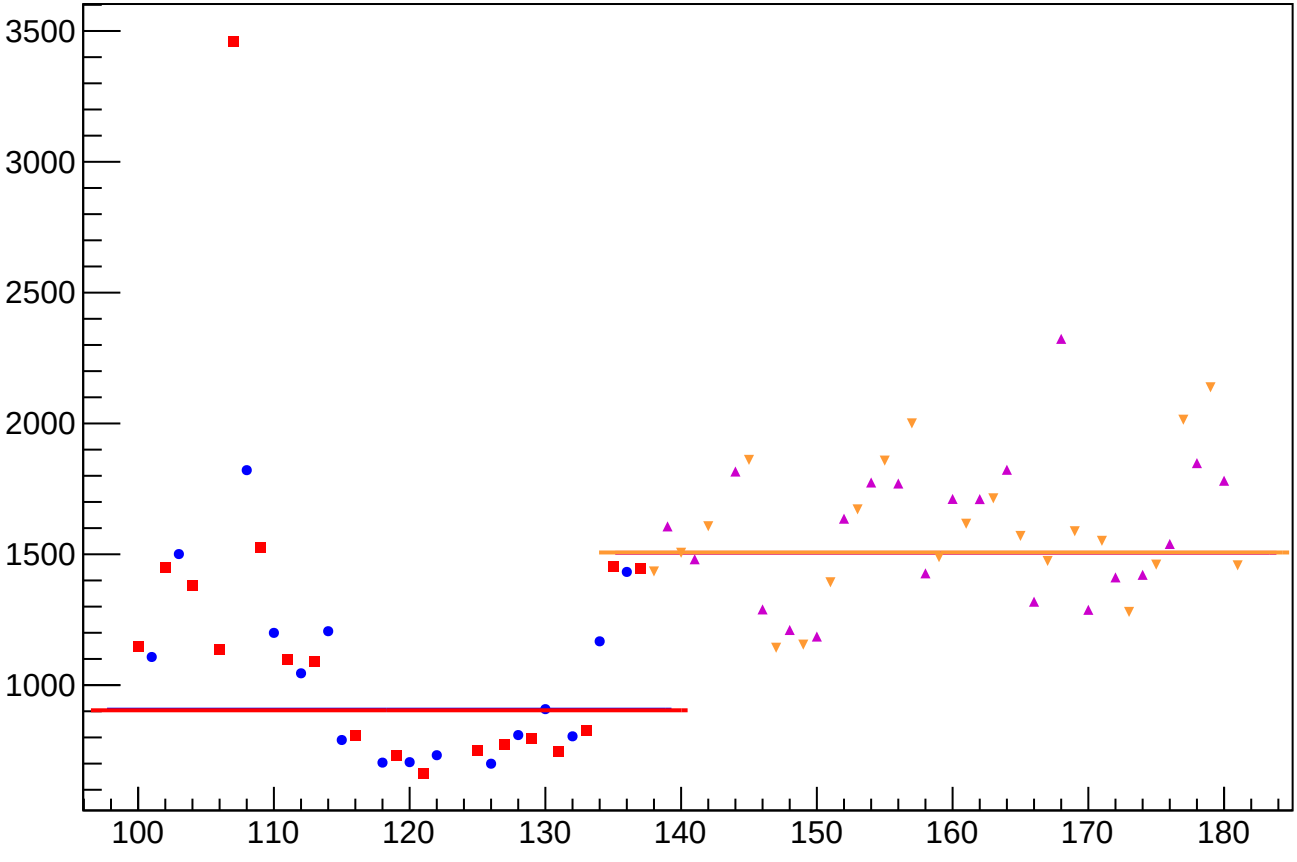
Left In: -197.767+/-368.563 χ^2/NDF:10.8/20

\+ sign -492.495+/-253.767 χ^2/NDF: 65.3/37

All: -432.990+/-179.506 χ^2/NDF: 99.9/76

\- sign -373.400+/-253.951 χ^2/NDF: 34.5/38

asym_usl_eigen_dit_correction_rms vs Slug



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

Left Out: 1506.931+/-0.259 χ^2/NDF:907541.8/21

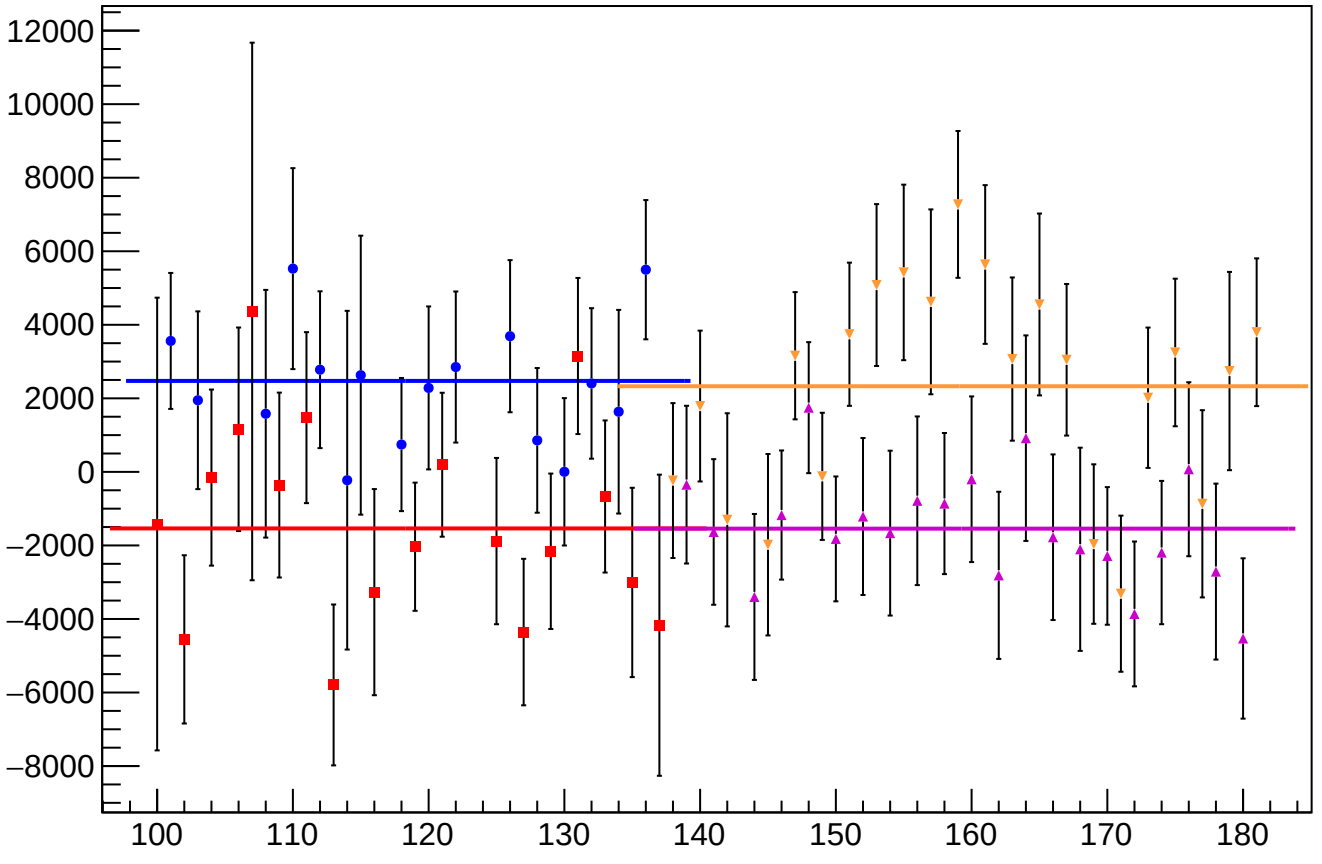
Right Out: 903.751+/-0.248 χ^2/NDF: 1339985.4/17

Left In: 1505.355+/-0.261 χ^2/NDF:910137.2/20

+ sign 1193.405+/-0.179 χ^2/NDF: 4785154.1/37

All: 1191.389+/-0.127 χ^2/NDF: 9834406.9/76

- sign 1189.370+/-0.180 χ^2/NDF: 5049000.2/38



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

Left Out: 2328.774+/-457.214 χ^2/NDF:35.9/21

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

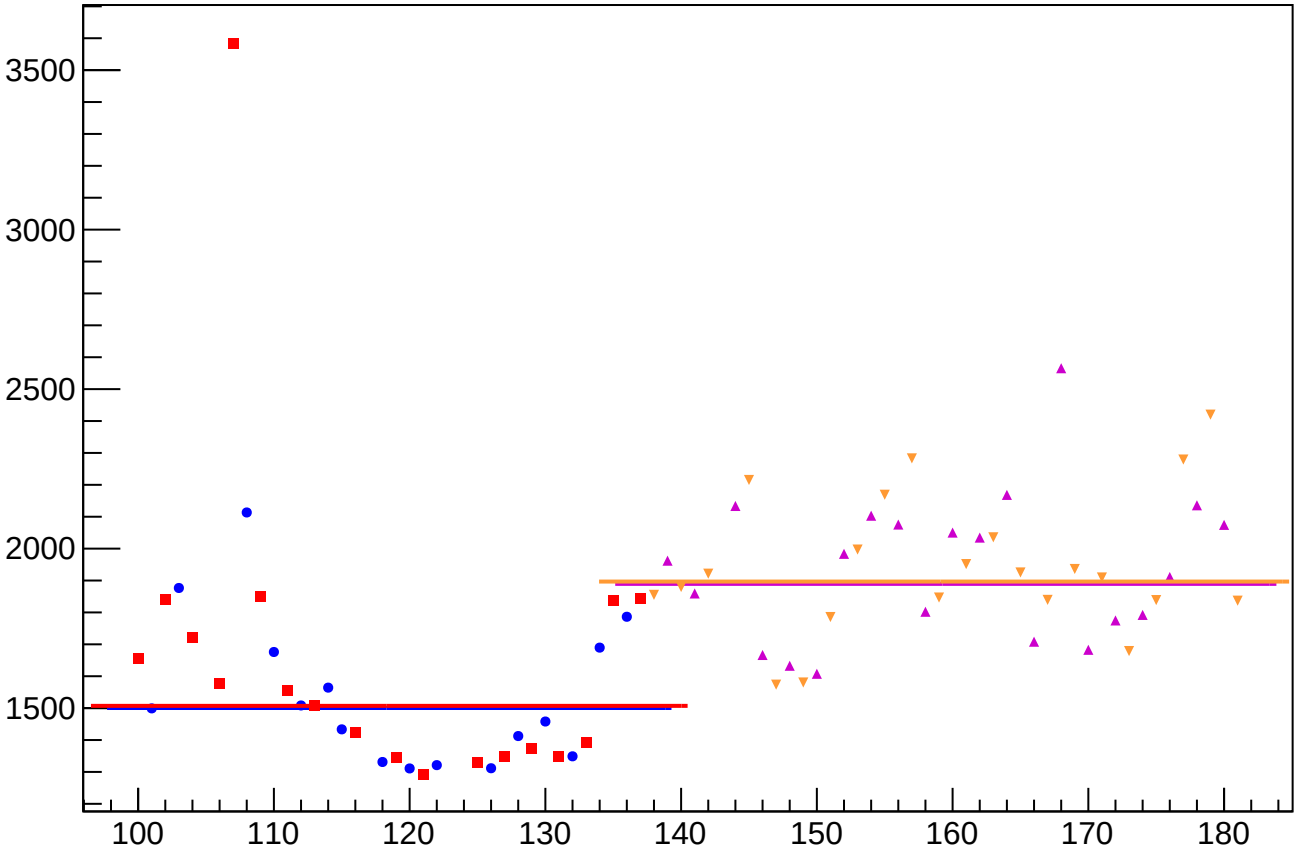
Left In: -1543.451+/-458.694 χ^2/NDF:10.5/20

+ sign 2386.540+/-354.868 χ^2/NDF: 44.2/37

All: 427.618+/-251.241 χ^2/NDF: 134.2/76

- sign -1541.054+/-355.750 χ^2/NDF: 29.0/38

asym_usl_rms vs Slug



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

Left Out: 1896.746+/-0.323 χ^2/NDF:417925.7/21

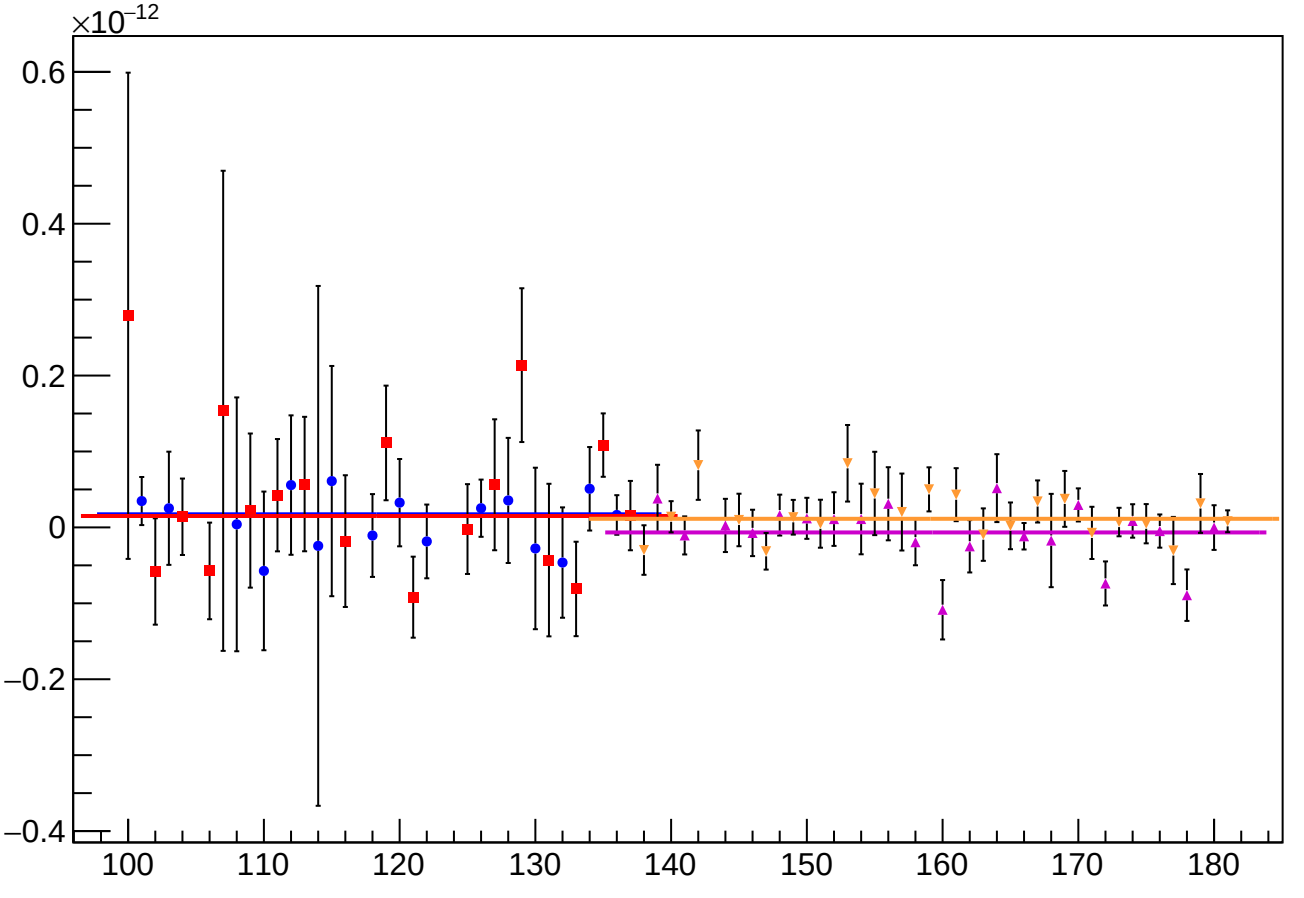
Right Out: 1507.098+/-0.398 χ^2/NDF: 401227.7/17

Left In: 1889.530+/-0.324 χ^2/NDF:437271.8/20

+ sign 1739.155+/-0.251 χ^2/NDF: 1274335.0/37

All: 1738.148+/-0.178 χ^2/NDF: 2666865.8/76

- sign 1737.135+/-0.252 χ^2/NDF: 1392498.4/38



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

Left Out: 0.000+/-0.000 χ^2/NDF:15.6/21

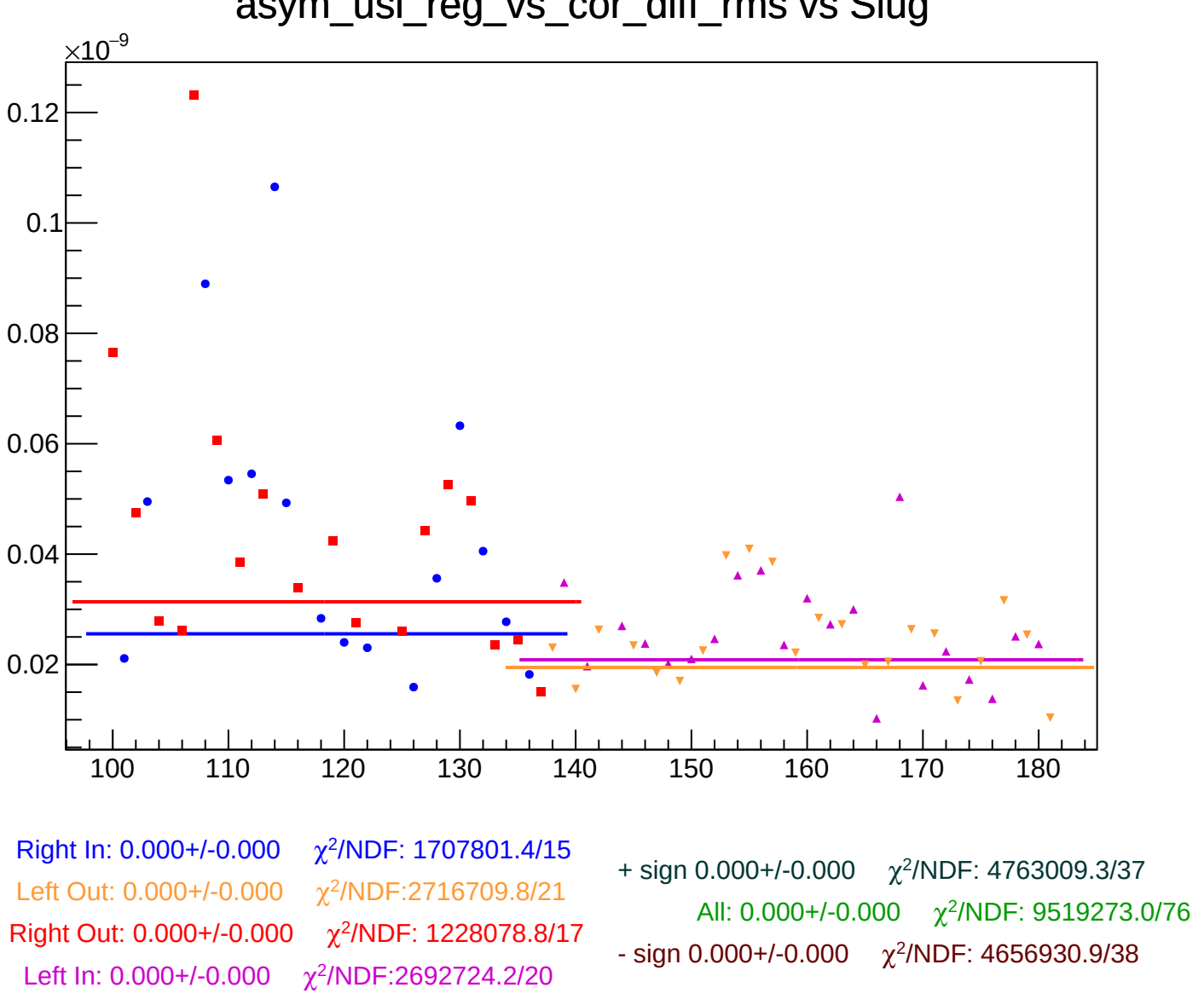
Right Out: 0.000+/-0.000 χ^2/NDF: 21.3/17

Left In: -0.000+/-0.000 χ^2/NDF:27.0/20

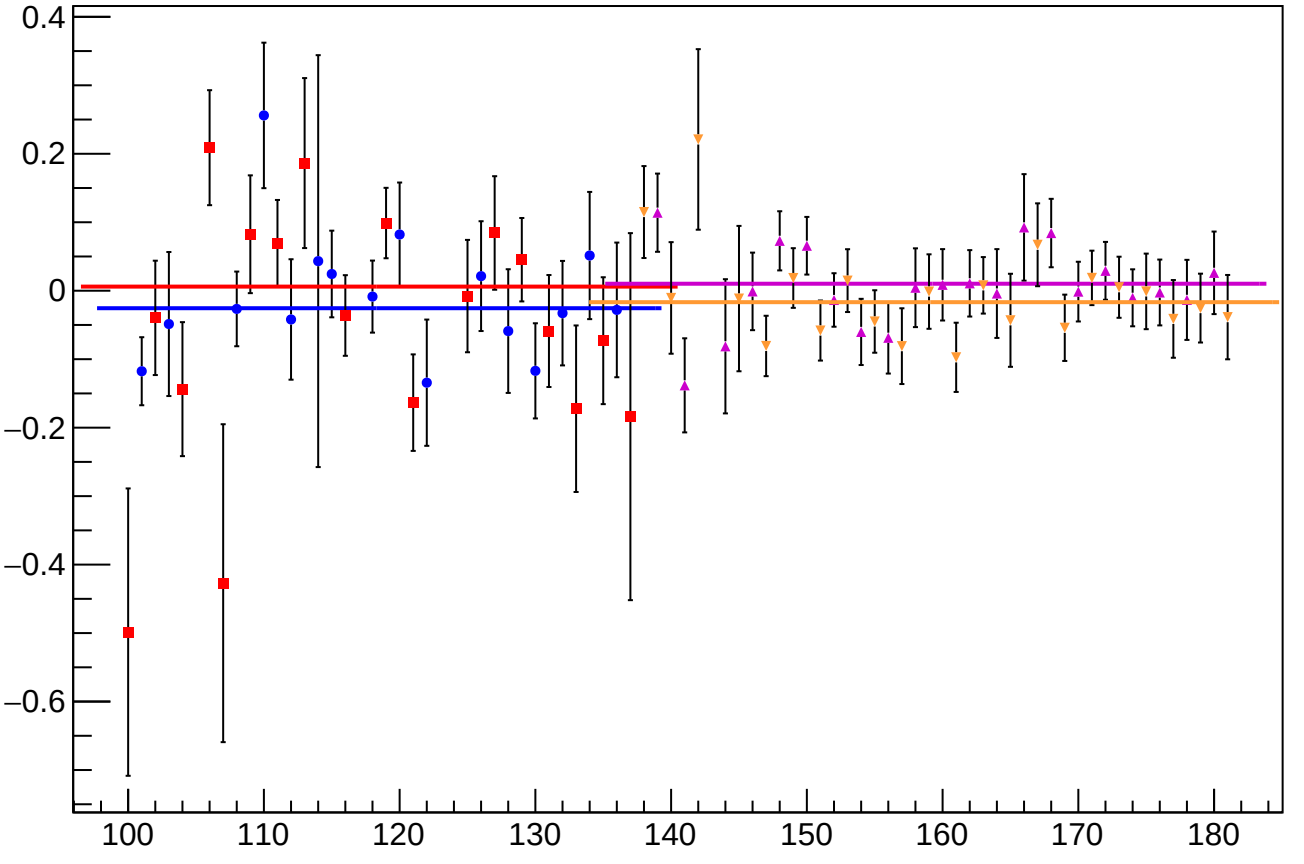
+ sign 0.000+/-0.000 χ^2/NDF: 19.1/37

All: 0.000+/-0.000 χ^2/NDF: 72.9/76

- sign -0.000+/-0.000 χ^2/NDF: 49.8/38


asym_usl_reg_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: 1707801.4/15
Left Out: 0.000+/-0.000 χ²/NDF:2716709.8/21
Right Out: 0.000+/-0.000 χ²/NDF: 1228078.8/17
Left In: 0.000+/-0.000 χ²/NDF:2692724.2/20
+ sign 0.000+/-0.000 χ²/NDF: 4763009.3/37
All: 0.000+/-0.000 χ²/NDF: 9519273.0/76
- sign 0.000+/-0.000 χ²/NDF: 4656930.9/38

asym_usl_dit_vs_cor_diff_mean vs Slug



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

Left Out: -0.017+/-0.011 χ^2/NDF:20.1/21

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

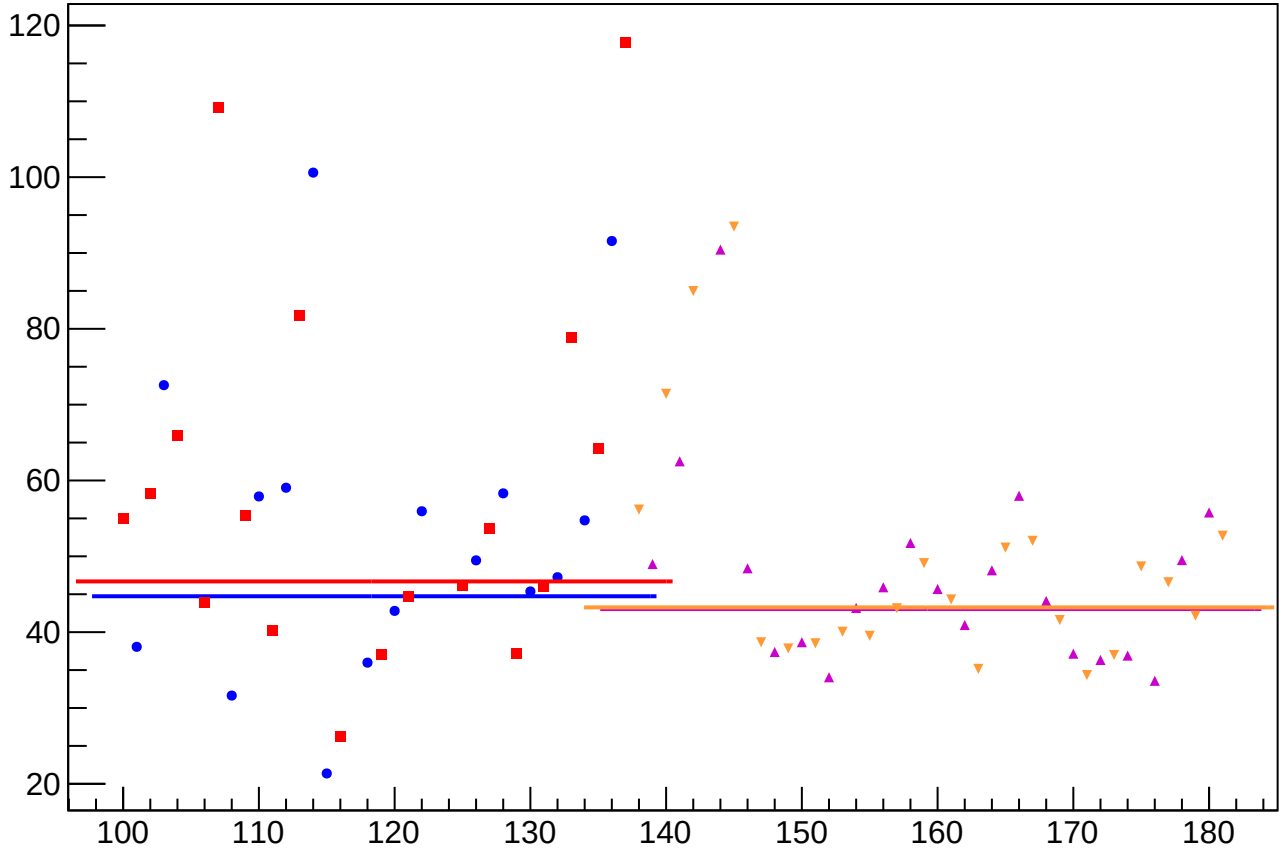
Left In: 0.010+/-0.011 χ^2/NDF:21.7/20

+ sign -0.019+/-0.010 χ^2/NDF: 37.8/37

All: -0.005+/-0.007 χ^2/NDF: 100.4/76

- sign 0.009+/-0.010 χ^2/NDF: 58.2/38

asym_usl_dit_vs_cor_diff_rms vs Slug



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

Left Out: 43.266+/-0.008 χ^2/NDF:1446567.0/21

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

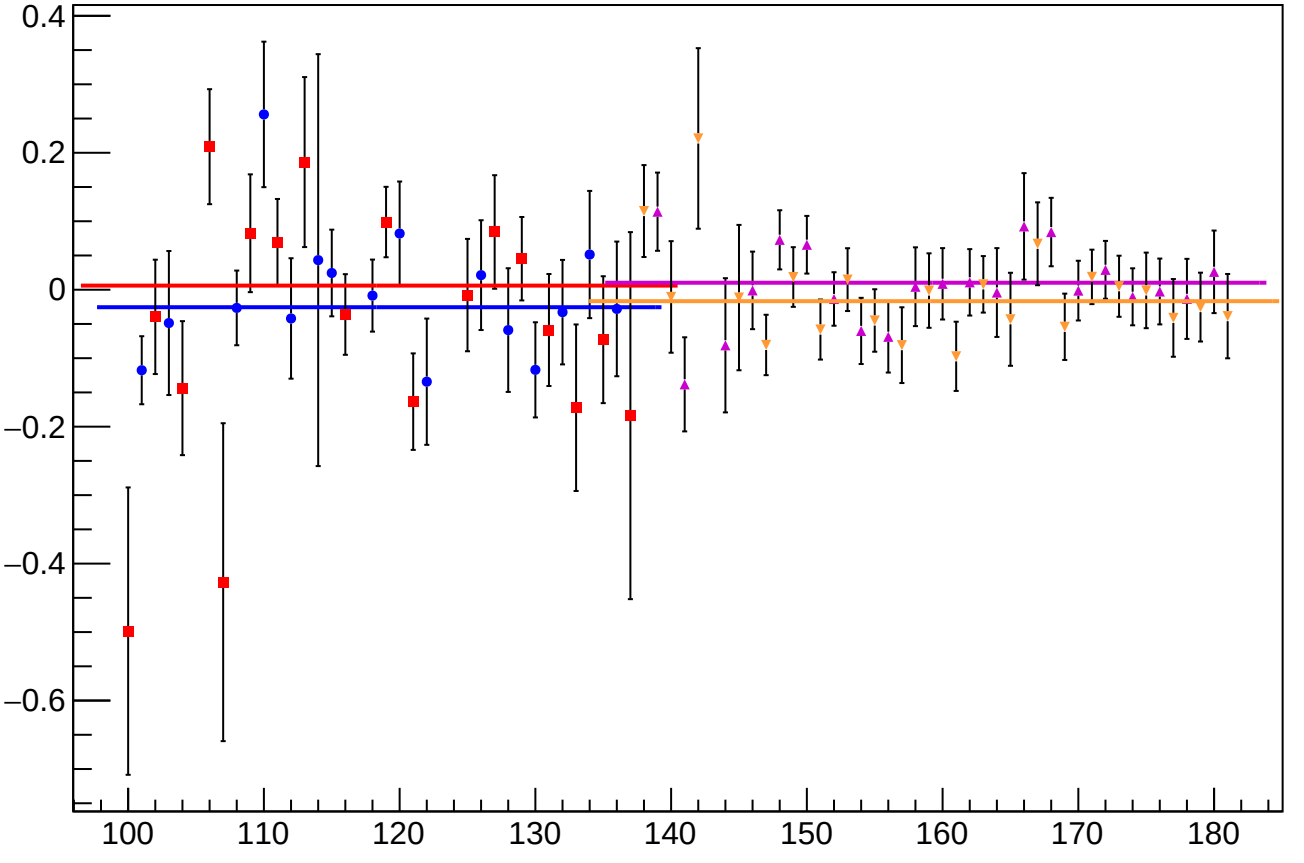
Left In: 43.048+/-0.008 χ^2/NDF:1299665.5/20

+ sign 43.649+/-0.007 χ^2/NDF: 2790138.4/37

All: 43.800+/-0.005 χ^2/NDF: 5339310.6/76

- sign 43.952+/-0.007 χ^2/NDF: 2548180.6/38

asym_usl_dit_vs_eigen_cor_diff_mean vs Slug



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

Left Out: -0.017+/-0.011 χ^2/NDF:20.1/21

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

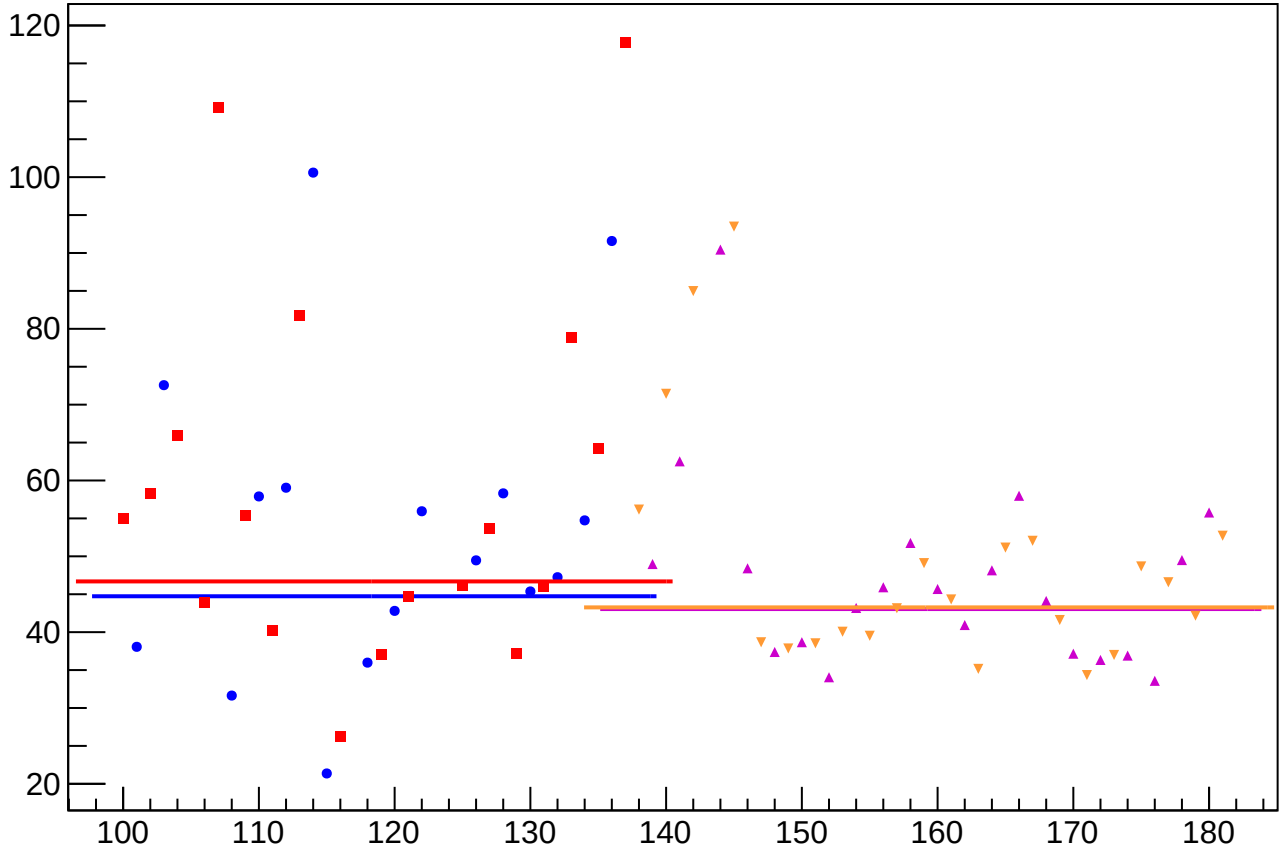
Left In: 0.010+/-0.011 χ^2/NDF:21.7/20

+ sign -0.019+/-0.010 χ^2/NDF: 37.8/37

All: -0.005+/-0.007 χ^2/NDF: 100.4/76

- sign 0.009+/-0.010 χ^2/NDF: 58.2/38

asym_usl_dit_vs_eigen_cor_diff_rms vs Slug



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

Left Out: 43.266+/-0.008 χ^2/NDF:1446567.0/21

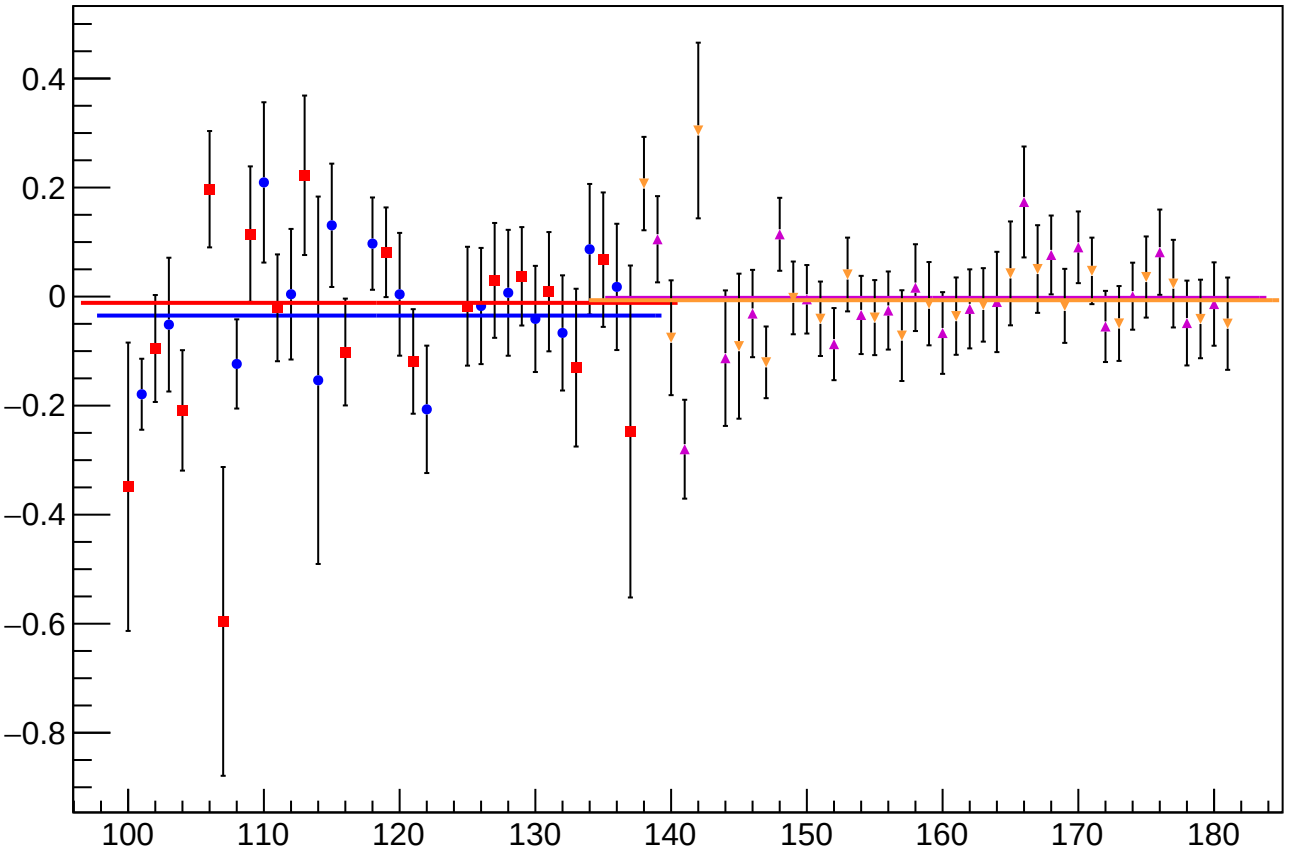
Right Out: 46.691+/-0.014 χ^2/NDF: 1195464.6/17

Left In: 43.048+/-0.008 χ^2/NDF:1299665.5/20

+ sign 43.649+/-0.007 χ^2/NDF: 2790138.4/37

All: 43.800+/-0.005 χ^2/NDF: 5339310.6/76

- sign 43.952+/-0.007 χ^2/NDF: 2548180.6/38



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

Left Out: -0.007+/-0.016 χ^2/NDF:18.5/21

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

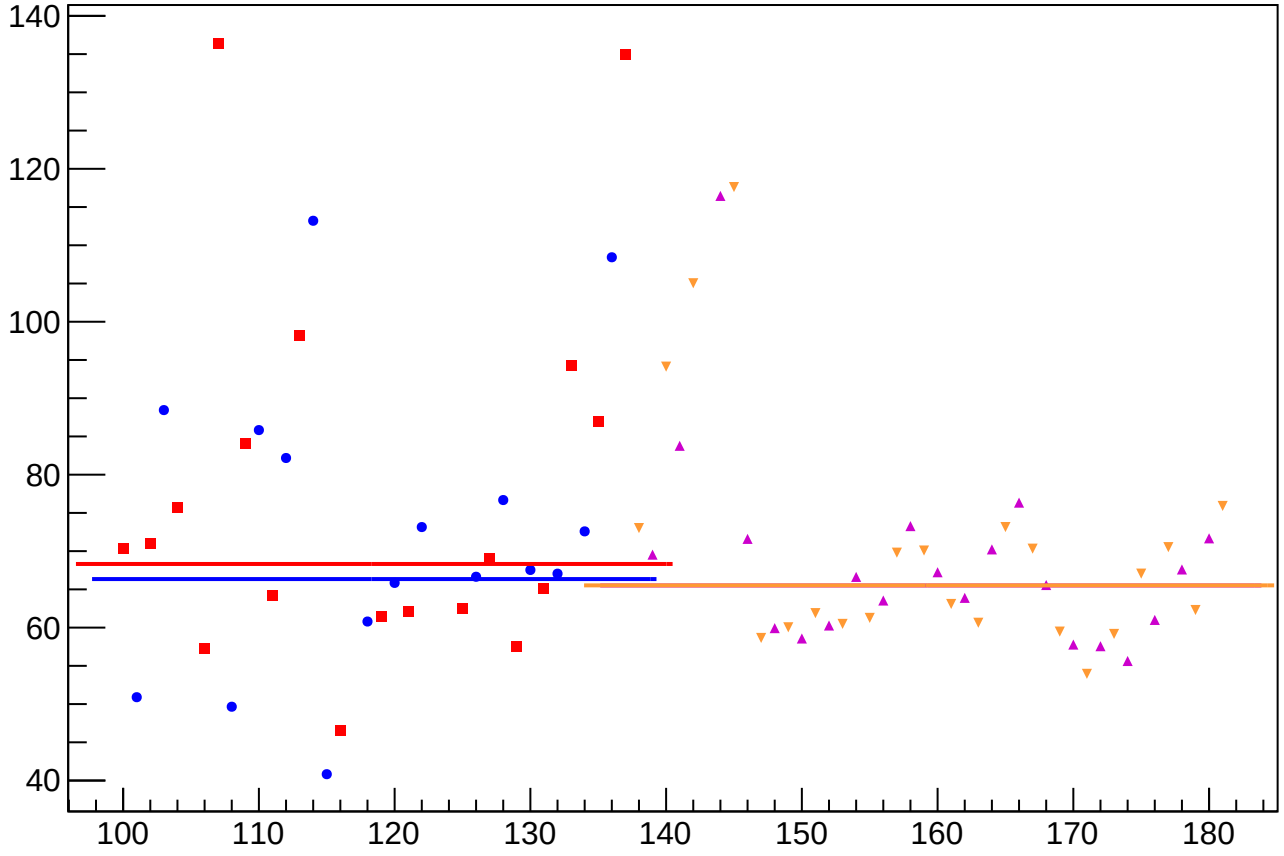
Left In: -0.002+/-0.016 χ^2/NDF:26.3/20

+ sign -0.014+/-0.014 χ^2/NDF: 36.8/37

All: -0.010+/-0.010 χ^2/NDF: 86.2/76

- sign -0.005+/-0.014 χ^2/NDF: 49.2/38

asym_usl_dit_vs_overload_cor_diff_rms vs Slug



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

Left Out: 65.524+/-0.011 χ^2/NDF:842608.2/21

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

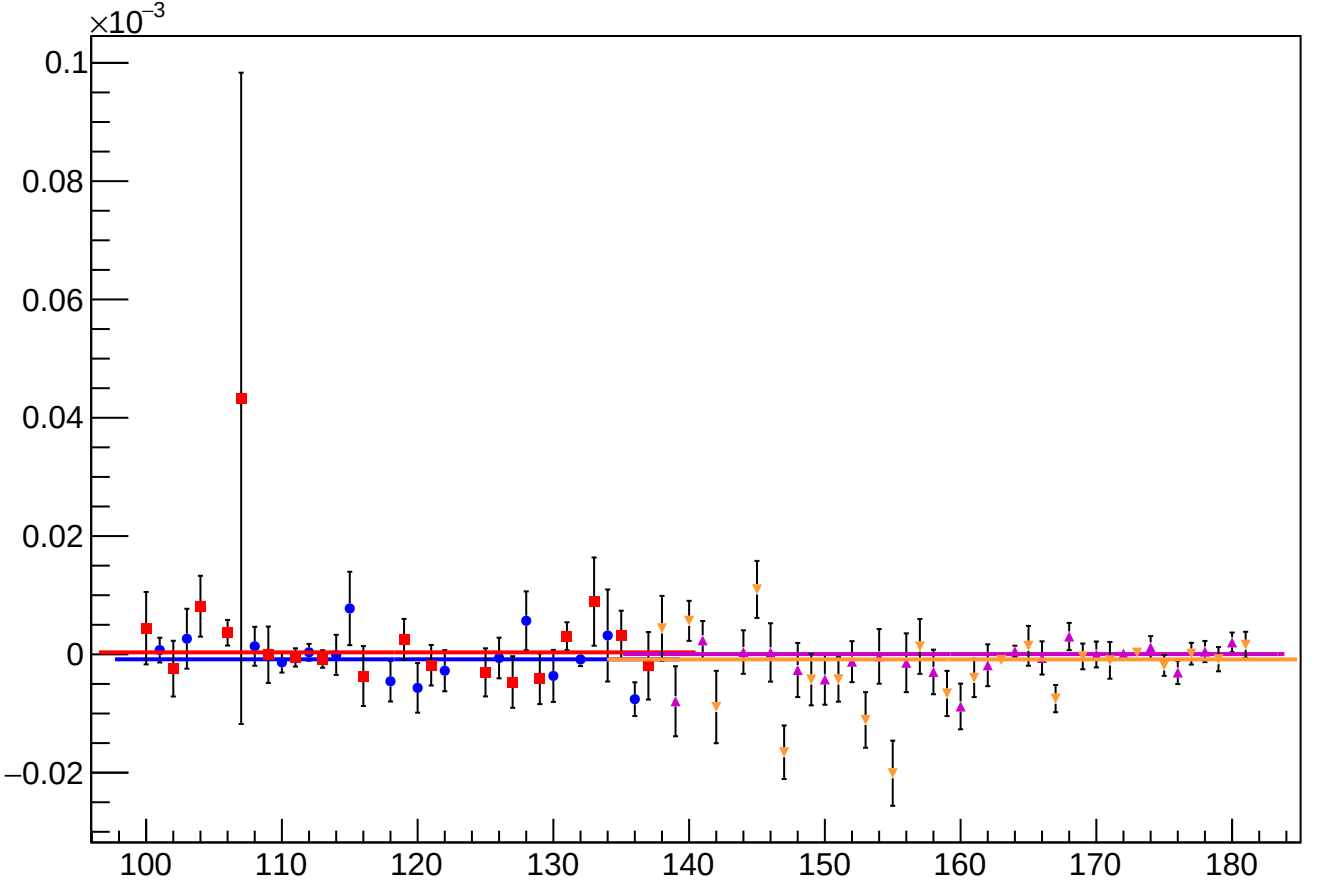
Left In: 65.509+/-0.012 χ^2/NDF:665682.8/20

+ sign 65.752+/-0.010 χ^2/NDF: 1616687.0/37

All: 66.006+/-0.007 χ^2/NDF: 2929399.9/76

- sign 66.265+/-0.010 χ^2/NDF: 1311347.5/38

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:59.7/21

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

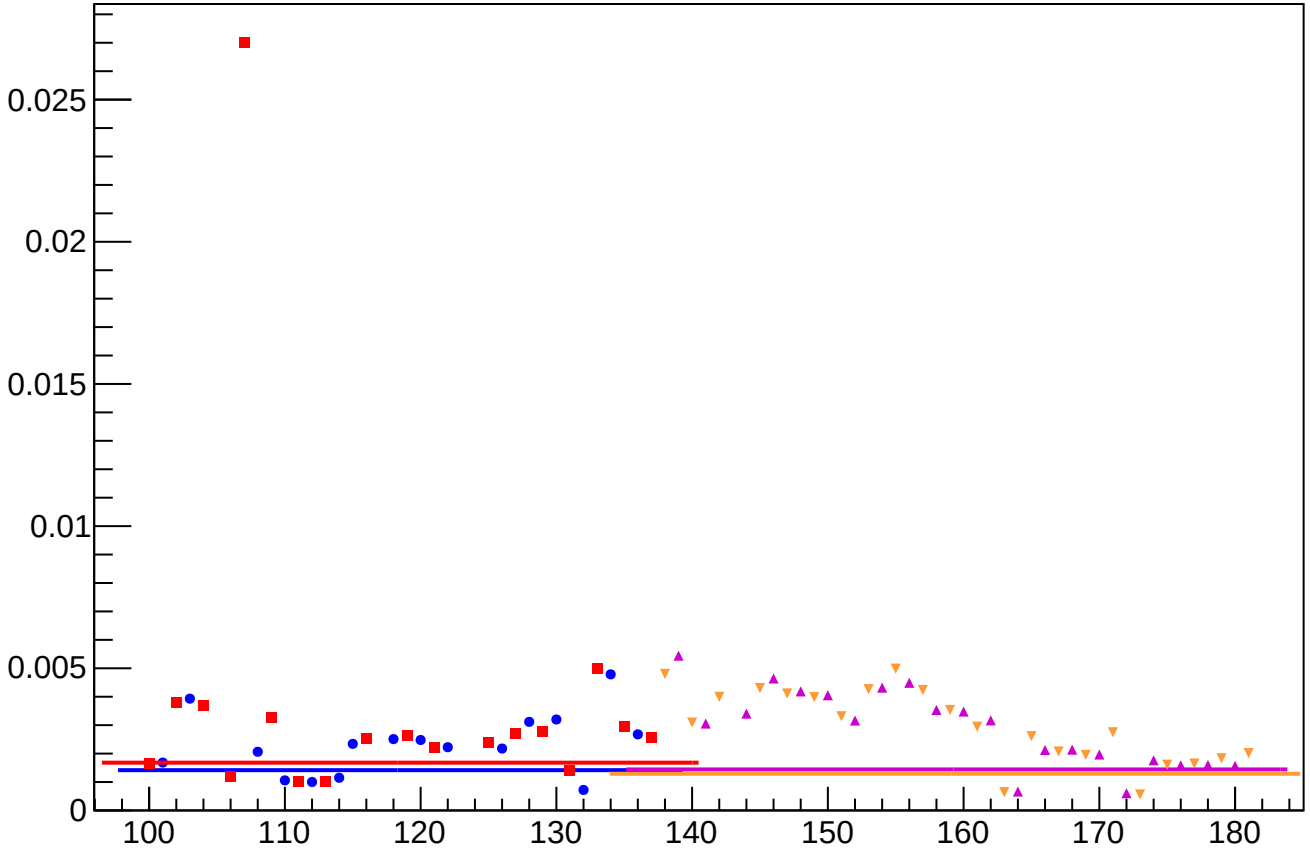
Left In: 0.000+/-0.000 χ^2/NDF:16.5/20

+ sign -0.000+/-0.000 χ^2/NDF: 74.8/37

All: -0.000+/-0.000 χ^2/NDF: 109.8/76

- sign 0.000+/-0.000 χ^2/NDF: 31.4/38

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:13751758.1/21

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

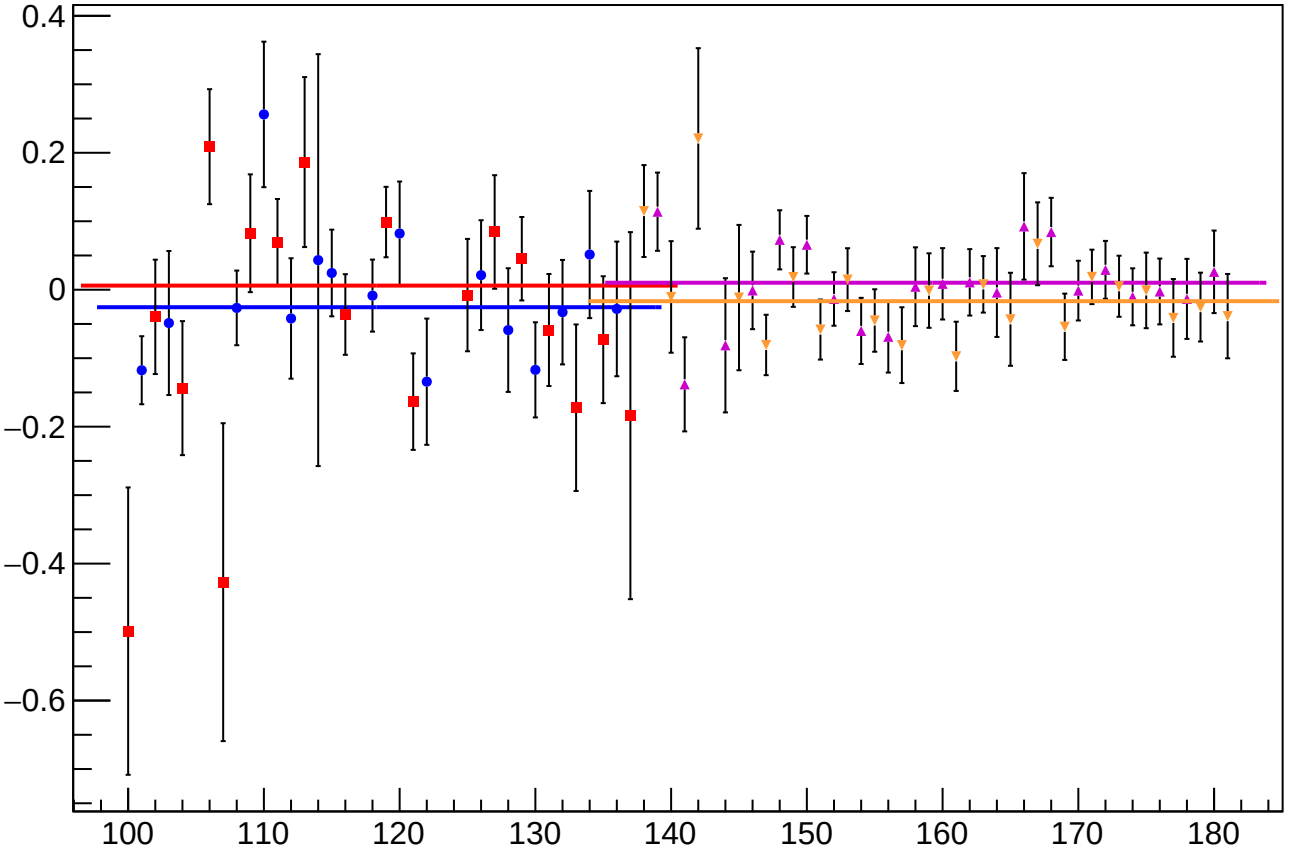
Left In: 0.001+/-0.000 χ^2/NDF:12006142.4/20

+ sign 0.001+/-0.000 χ^2/NDF: 17358421.9/37

All: 0.001+/-0.000 χ^2/NDF: 33200447.6/76

- sign 0.002+/-0.000 χ^2/NDF: 15591179.5/38

asym_usl_eigen_dit_vs_cor_diff_mean vs Slug



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

Left Out: -0.017+/-0.011 χ^2/NDF:20.1/21

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

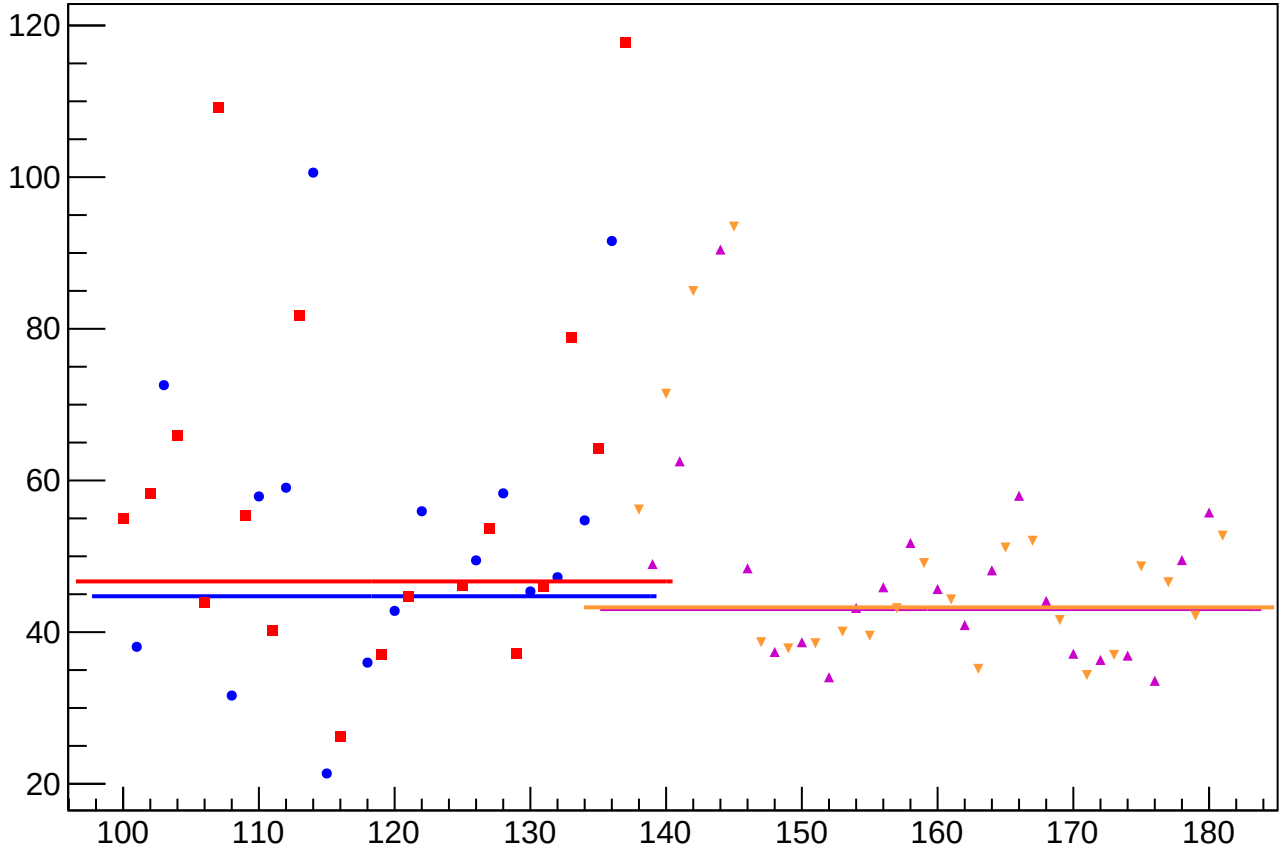
Left In: 0.010+/-0.011 χ^2/NDF:21.7/20

+ sign -0.019+/-0.010 χ^2/NDF: 37.8/37

All: -0.005+/-0.007 χ^2/NDF: 100.4/76

- sign 0.009+/-0.010 χ^2/NDF: 58.2/38

asym_usl_eigen_dit_vs_cor_diff_rms vs Slug



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

Left Out: 43.266+/-0.008 χ^2/NDF:1446530.8/21

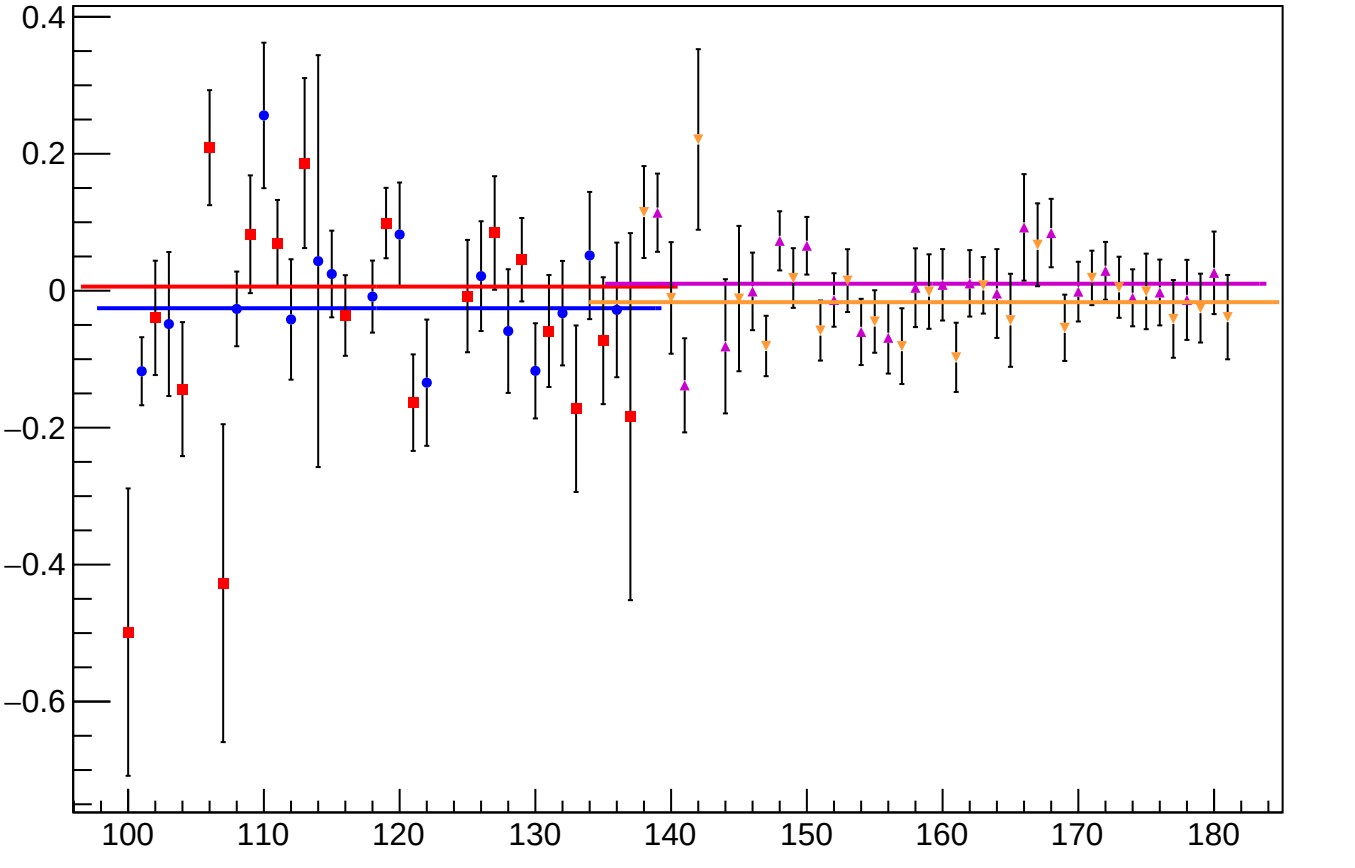
Right Out: 46.690+/-0.014 χ^2/NDF: 1195504.1/17

Left In: 43.048+/-0.008 χ^2/NDF:1299612.8/20

+ sign 43.649+/-0.007 χ^2/NDF: 2790151.4/37

All: 43.800+/-0.005 χ^2/NDF: 5339275.5/76

- sign 43.953+/-0.007 χ^2/NDF: 2548131.4/38



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

Left Out: -0.017+/-0.011 χ^2/NDF:20.1/21

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

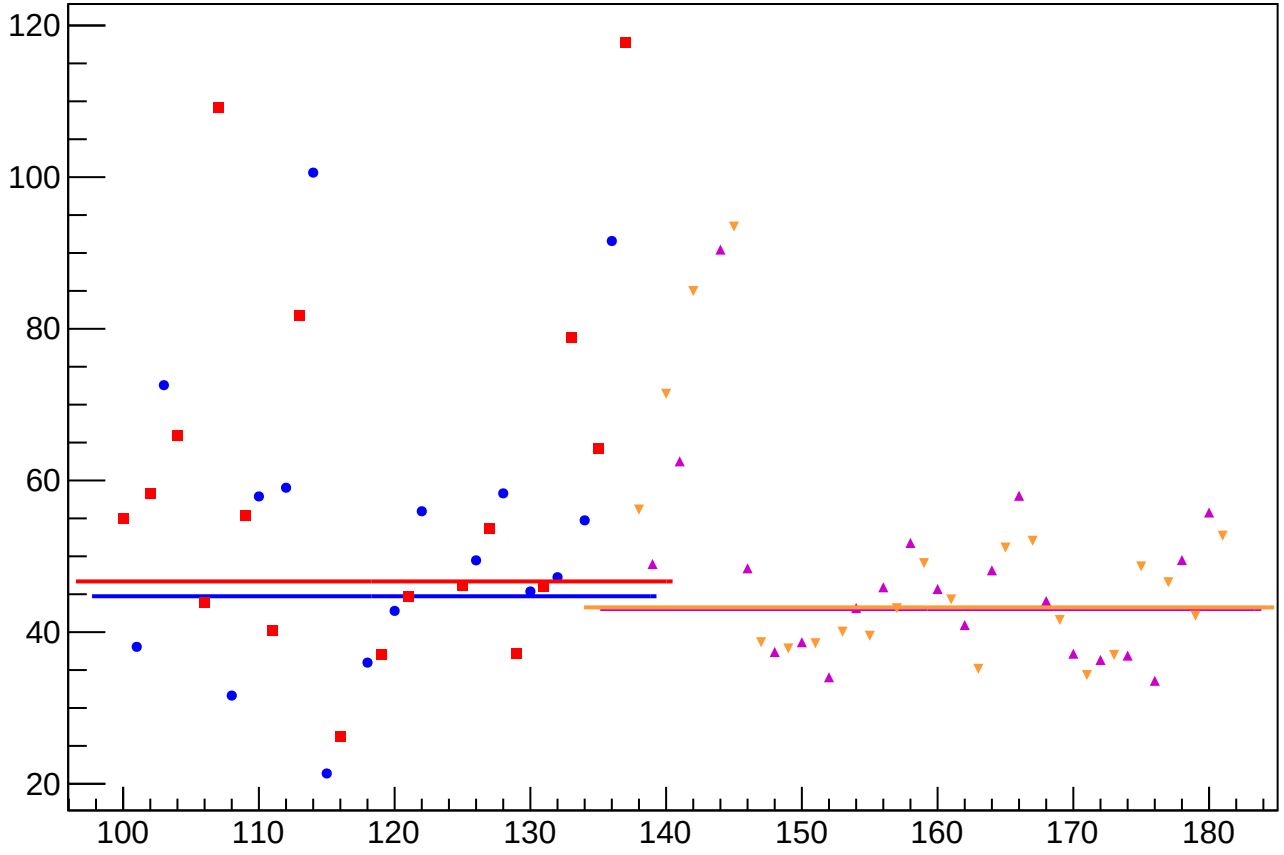
Left In: 0.010+/-0.011 χ^2/NDF:21.7/20

+ sign -0.019+/-0.010 χ^2/NDF: 37.8/37

All: -0.005+/-0.007 χ^2/NDF: 100.4/76

- sign 0.009+/-0.010 χ^2/NDF: 58.2/38

asym_usl_eigen_dit_vs_eigen_cor_diff_rms vs Slug



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

Left Out: 43.266+/-0.008 χ^2/NDF:1446530.8/21

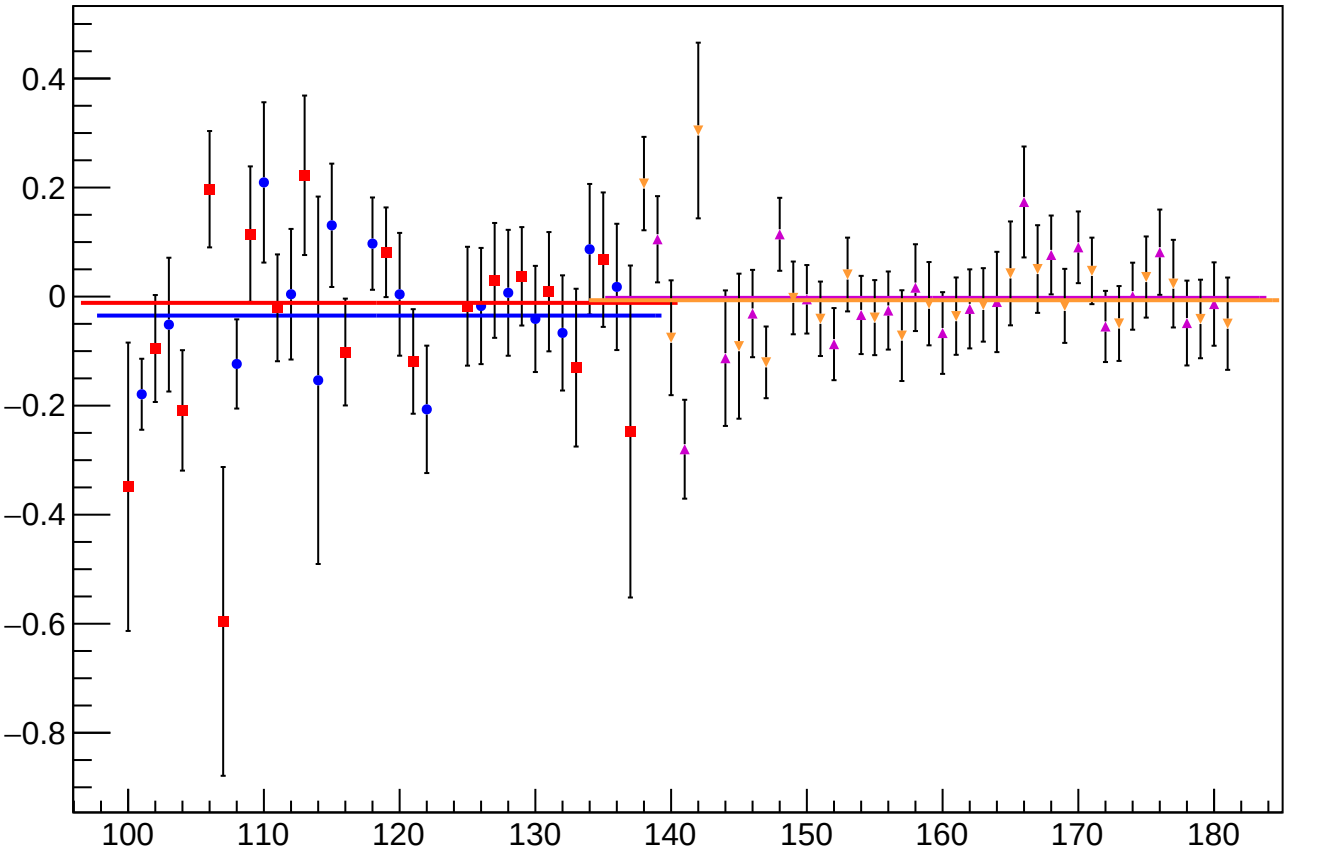
Right Out: 46.690+/-0.014 χ^2/NDF: 1195504.1/17

Left In: 43.048+/-0.008 χ^2/NDF:1299612.8/20

\+ sign 43.649+/-0.007 χ^2/NDF: 2790151.4/37

All: 43.800+/-0.005 χ^2/NDF: 5339275.5/76

\- sign 43.953+/-0.007 χ^2/NDF: 2548131.4/38



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

Left Out: -0.007+/-0.016 χ^2/NDF:18.5/21

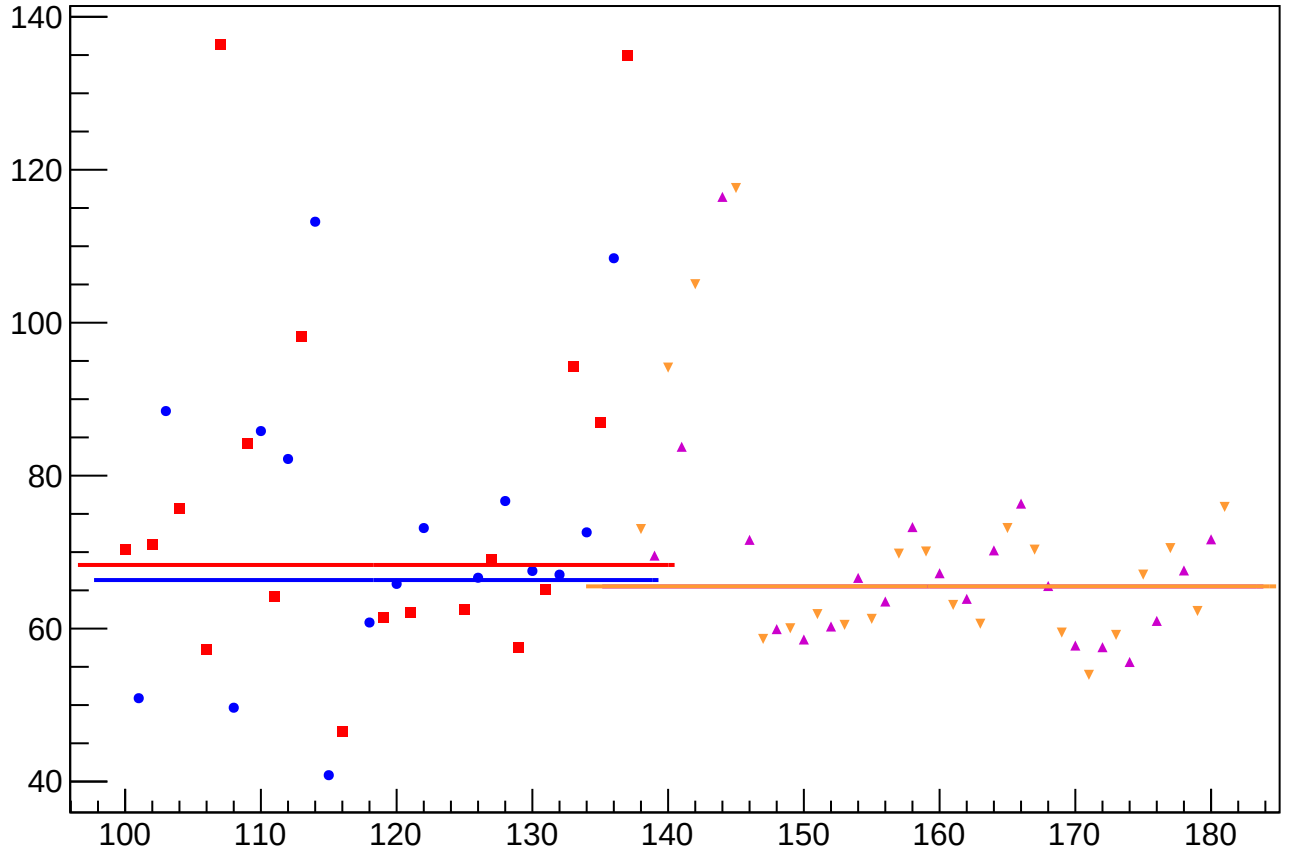
Right Out: -0.012+/-0.027 χ^2/NDF: 22.8/17

Left In: -0.002+/-0.016 χ^2/NDF:26.3/20

+ sign -0.014+/-0.014 χ^2/NDF: 36.8/37

All: -0.010+/-0.010 χ^2/NDF: 86.2/76

- sign -0.005+/-0.014 χ^2/NDF: 49.2/38



Right In: 66.348+/-0.019 χ^2/NDF: 772660.4/15

Left Out: 65.524+/-0.011 χ^2/NDF:842596.0/21

Right Out: 68.321+/-0.019 χ^2/NDF: 629665.7/17

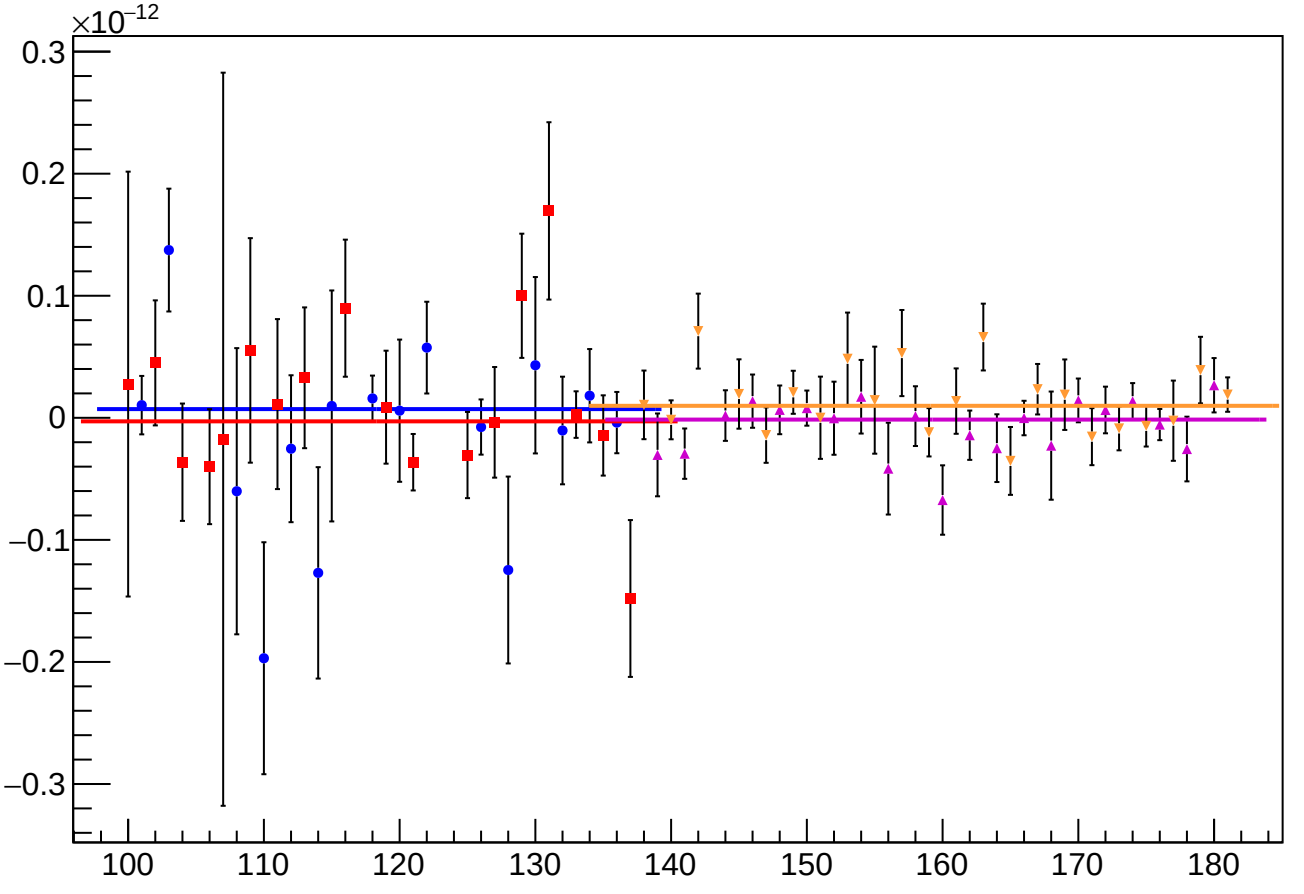
Left In: 65.509+/-0.012 χ^2/NDF:665673.9/20

\+ sign 65.752+/-0.010 χ^2/NDF: 1616679.9/37

All: 66.006+/-0.007 χ^2/NDF: 2929370.1/76

\- sign 66.265+/-0.010 χ^2/NDF: 1311324.6/38

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:22.3/21

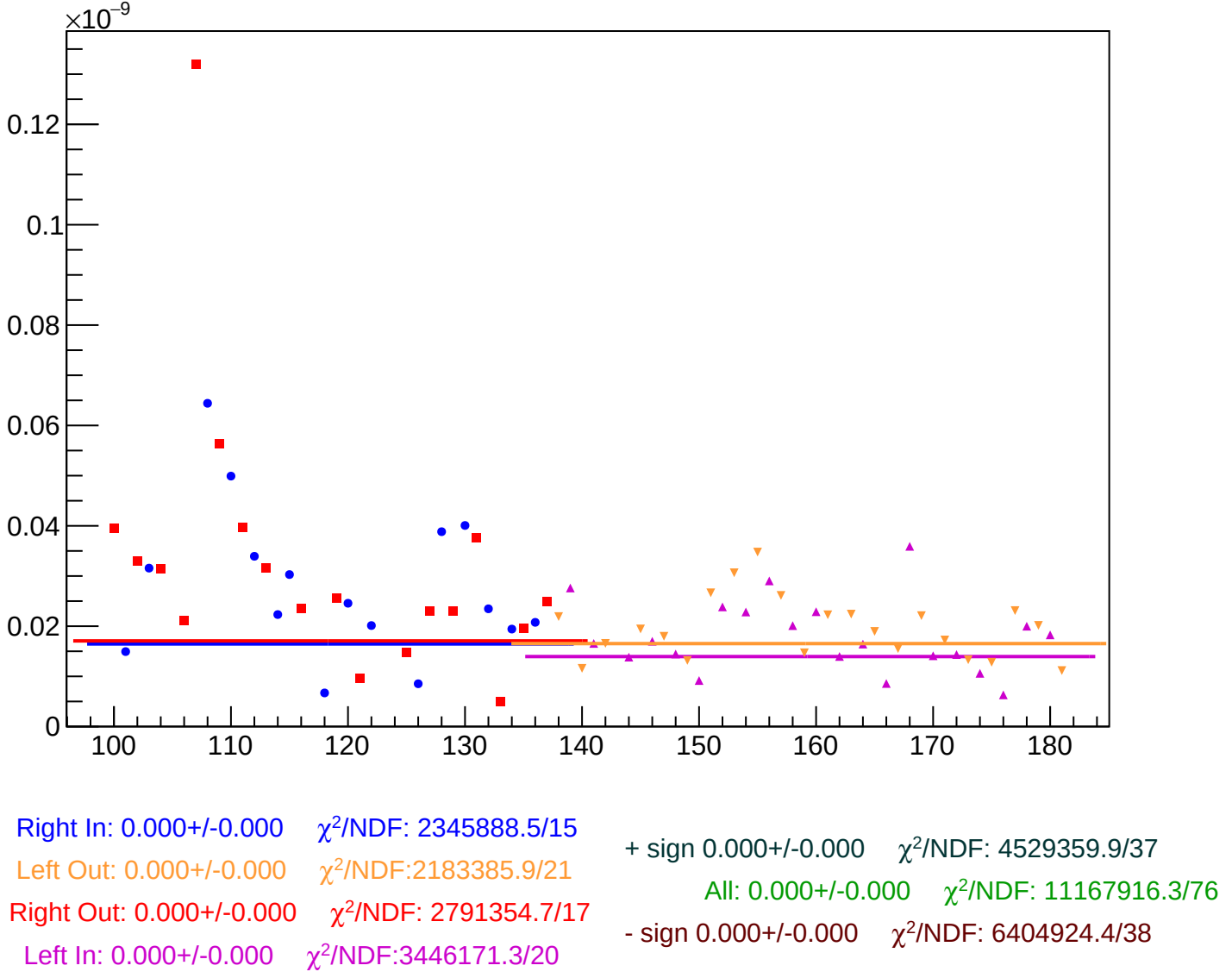
Right Out: -0.000+/-0.000 χ^2/NDF: 23.4/17

Left In: -0.000+/-0.000 χ^2/NDF:16.4/20

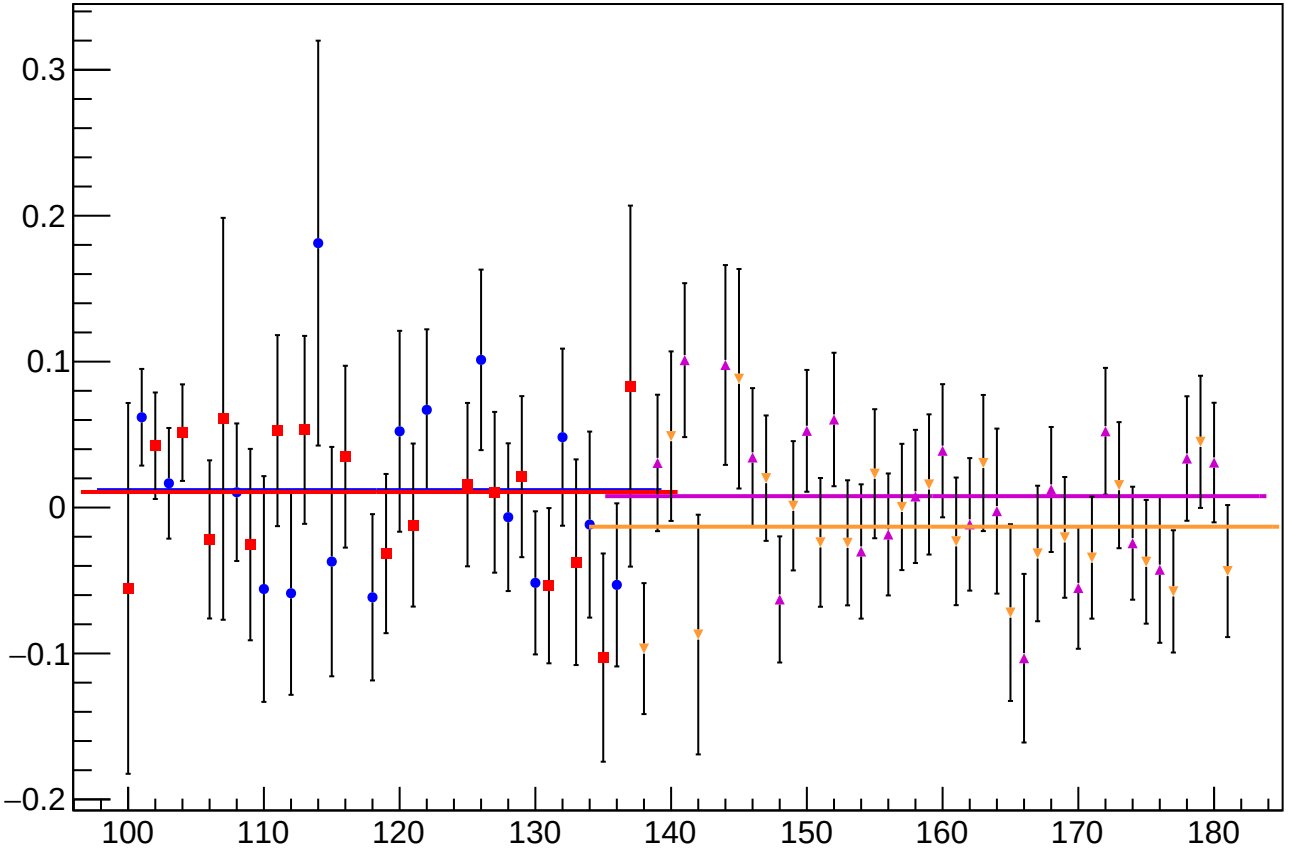
+ sign 0.000+/-0.000 χ^2/NDF: 42.8/37

All: 0.000+/-0.000 χ^2/NDF: 85.9/76

- sign -0.000+/-0.000 χ^2/NDF: 39.8/38


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:2183385.9/21
Right Out: 0.000+/-0.000 χ²/NDF: 2791354.7/17
Left In: 0.000+/-0.000 χ²/NDF:3446171.3/20
+ sign 0.000+/-0.000 χ²/NDF: 4529359.9/37
All: 0.000+/-0.000 χ²/NDF: 11167916.3/76
- sign 0.000+/-0.000 χ²/NDF: 6404924.4/38

asym_usl_overload_cor_vs_cor_diff_mean vs Slug



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

Left Out: -0.013+/-0.010 χ^2/NDF:15.5/21

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

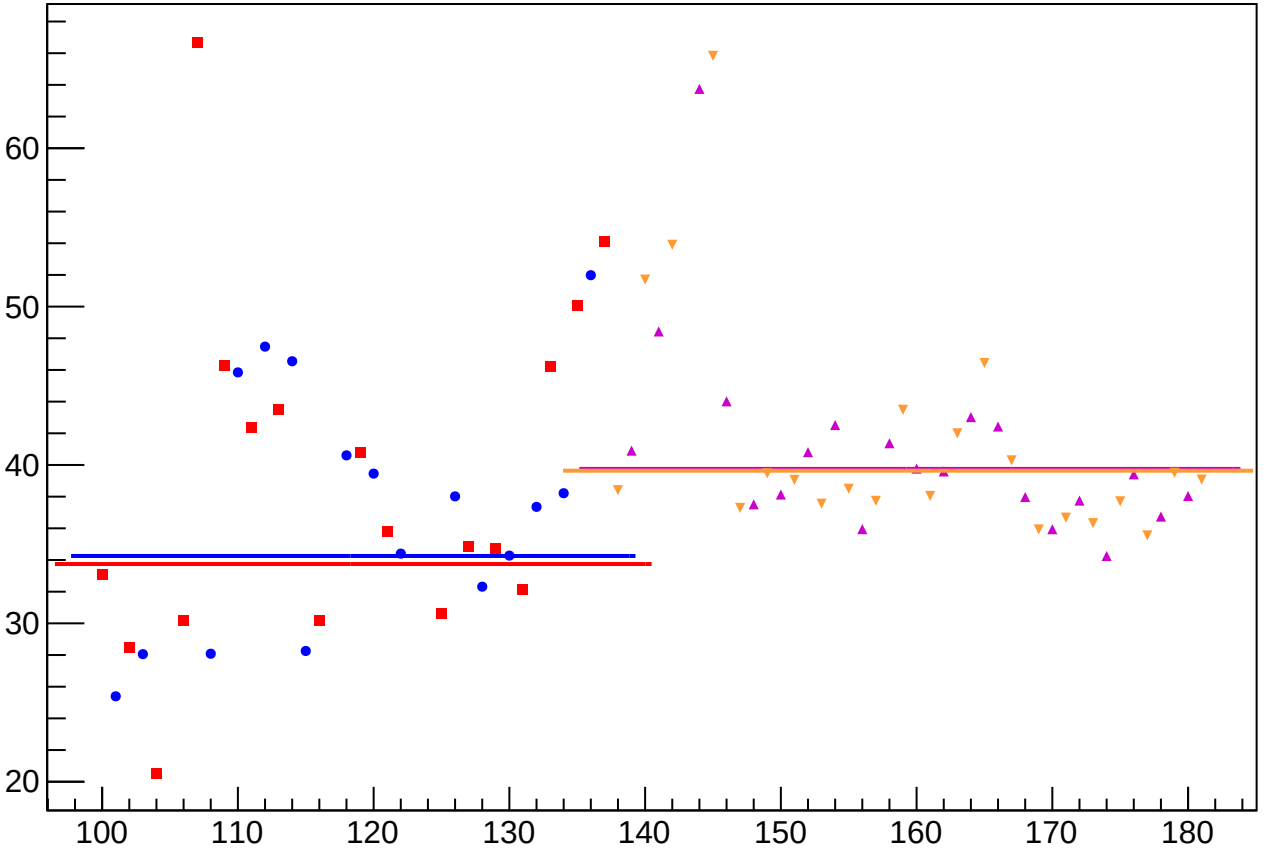
Left In: 0.008+/-0.010 χ^2/NDF:21.7/20

+ sign -0.004+/-0.008 χ^2/NDF: 32.4/37

All: 0.002+/-0.006 χ^2/NDF: 65.5/76

- sign 0.009+/-0.008 χ^2/NDF: 31.7/38

asym_usl_overload_cor_vs_cor_diff_rms vs Slug



Right In: 34.254+/-0.010 χ^2/NDF: 636017.1/15

Left Out: 39.639+/-0.007 χ^2/NDF:514494.6/21

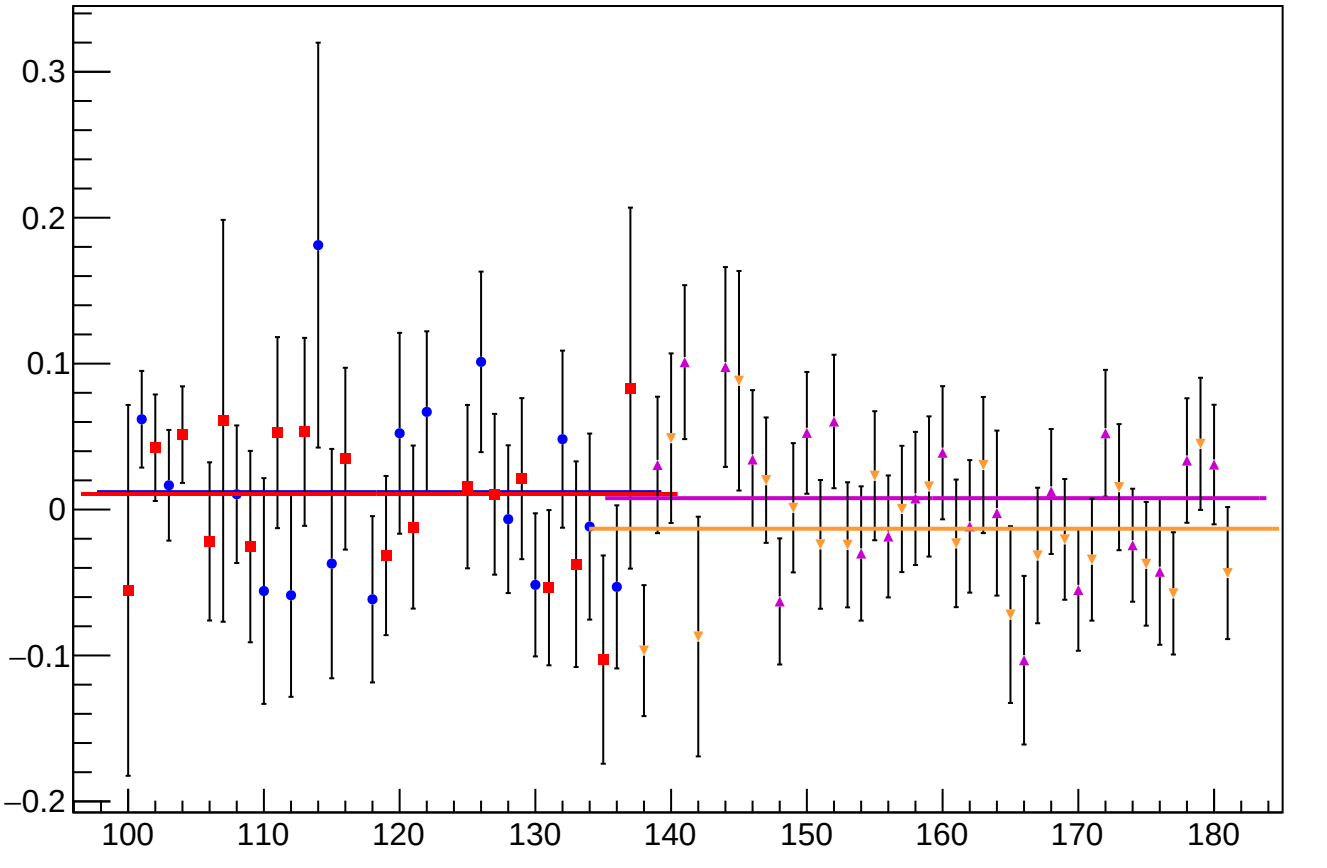
Right Out: 33.746+/-0.010 χ^2/NDF: 911938.6/17

Left In: 39.753+/-0.007 χ^2/NDF:442193.7/20

\+ sign 37.778+/-0.006 χ^2/NDF: 1355323.1/37

All: 37.697+/-0.004 χ^2/NDF: 2967165.7/76

\- sign 37.616+/-0.006 χ^2/NDF: 1611432.3/38



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

Left Out: -0.013+/-0.010 χ^2/NDF:15.5/21

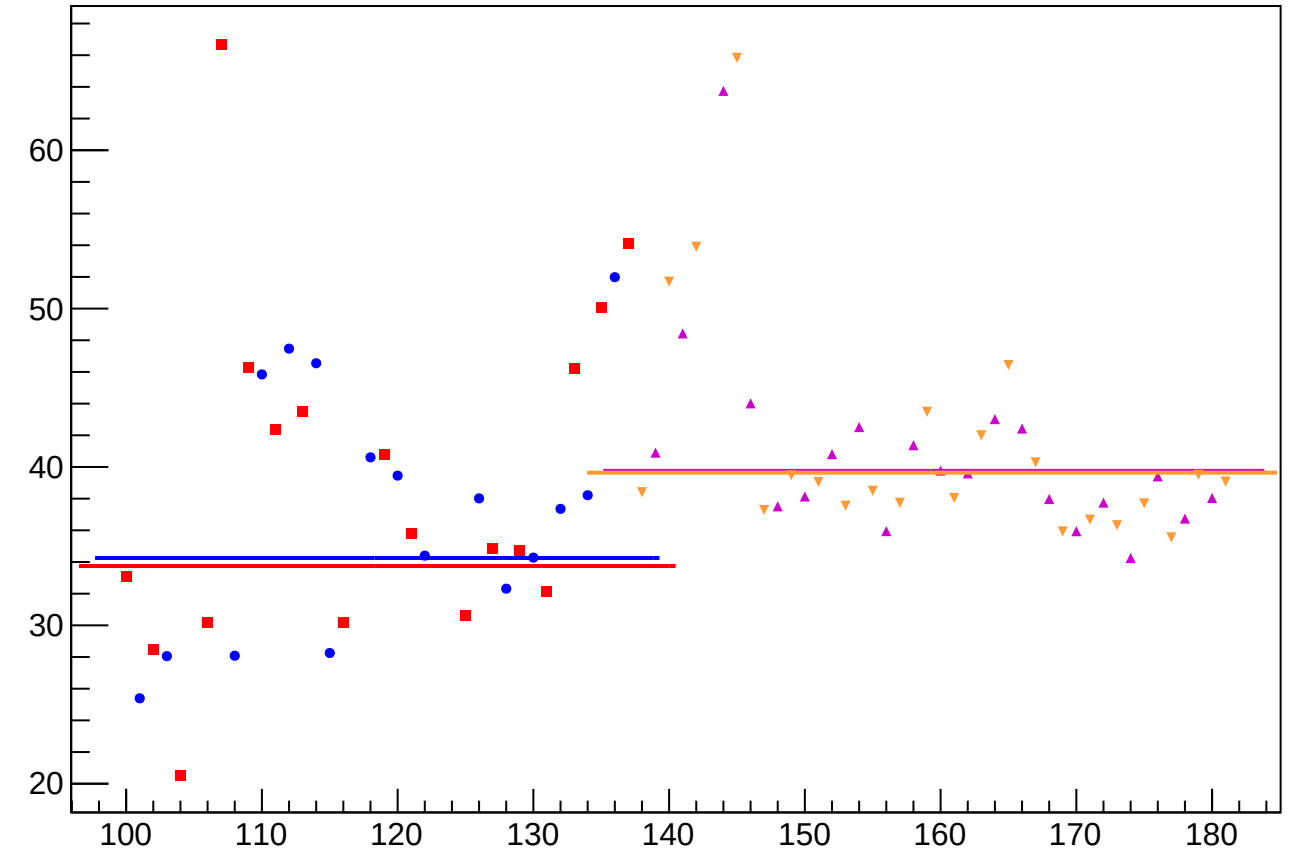
Right Out: 0.011+/-0.013 χ^2/NDF: 9.9/17

Left In: 0.008+/-0.010 χ^2/NDF:21.7/20

+ sign -0.004+/-0.008 χ^2/NDF: 32.4/37

All: 0.002+/-0.006 χ^2/NDF: 65.5/76

- sign 0.009+/-0.008 χ^2/NDF: 31.7/38



Right In: 34.254+/-0.010 χ^2/NDF: 636017.1/15

Left Out: 39.639+/-0.007 χ^2/NDF:514494.6/21

Right Out: 33.746+/-0.010 χ^2/NDF: 911938.6/17

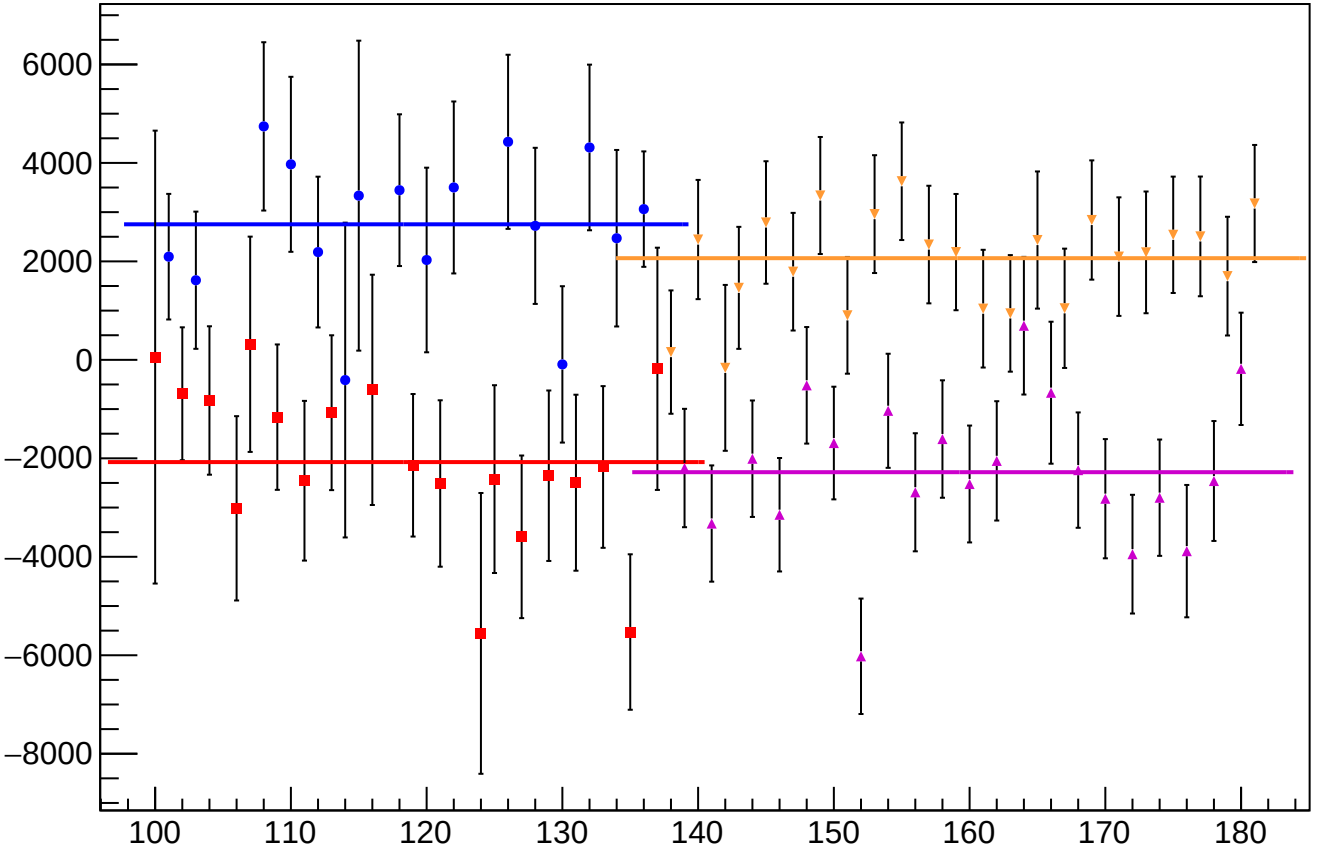
Left In: 39.753+/-0.007 χ^2/NDF:442193.7/20

\+ sign 37.778+/-0.006 χ^2/NDF: 1355323.1/37

All: 37.697+/-0.004 χ^2/NDF: 2967165.7/76

\- sign 37.616+/-0.006 χ^2/NDF: 1611432.3/38

reg_asym_usr_mean vs Slug



Right In: 2753.123+/-409.837 χ^2/NDF: 9.5/15

Left Out: 2065.044+/-255.409 χ^2/NDF:13.3/22

Right Out: -2076.471+/-403.796 χ^2/NDF: 12.5/18

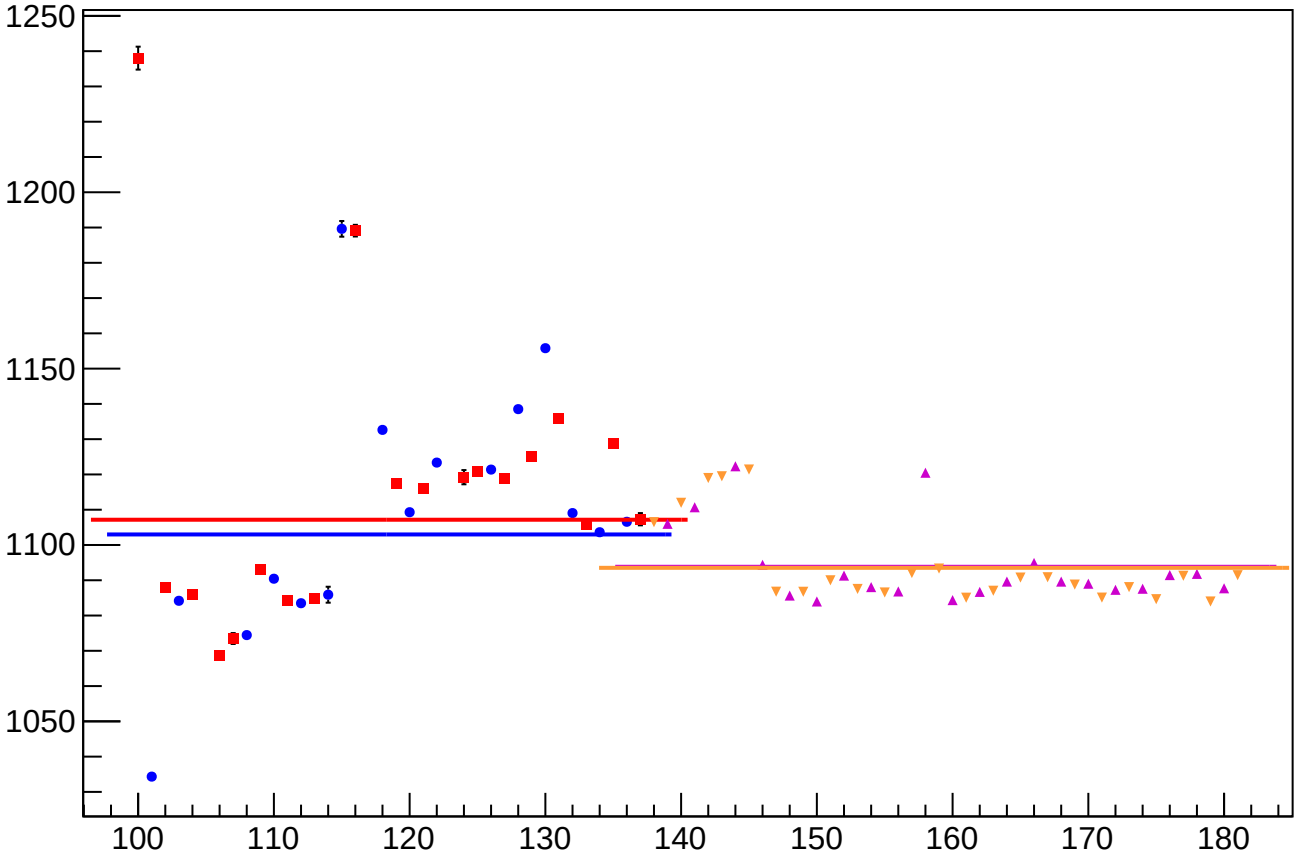
Left In: -2281.602+/-263.333 χ^2/NDF:28.6/20

+ sign 2257.522+/-216.762 χ^2/NDF: 24.9/38

All: 57.588+/-154.604 χ^2/NDF: 275.9/78

- sign -2220.393+/-220.573 χ^2/NDF: 41.4/39

reg_asym_usr_rms vs Slug



Right In: 1102.988+/-0.290 χ^2/NDF: 13223.8/15

Left Out: 1093.525+/-0.181 χ^2/NDF:3882.5/22

Right Out: 1107.159+/-0.286 χ^2/NDF: 8683.4/18

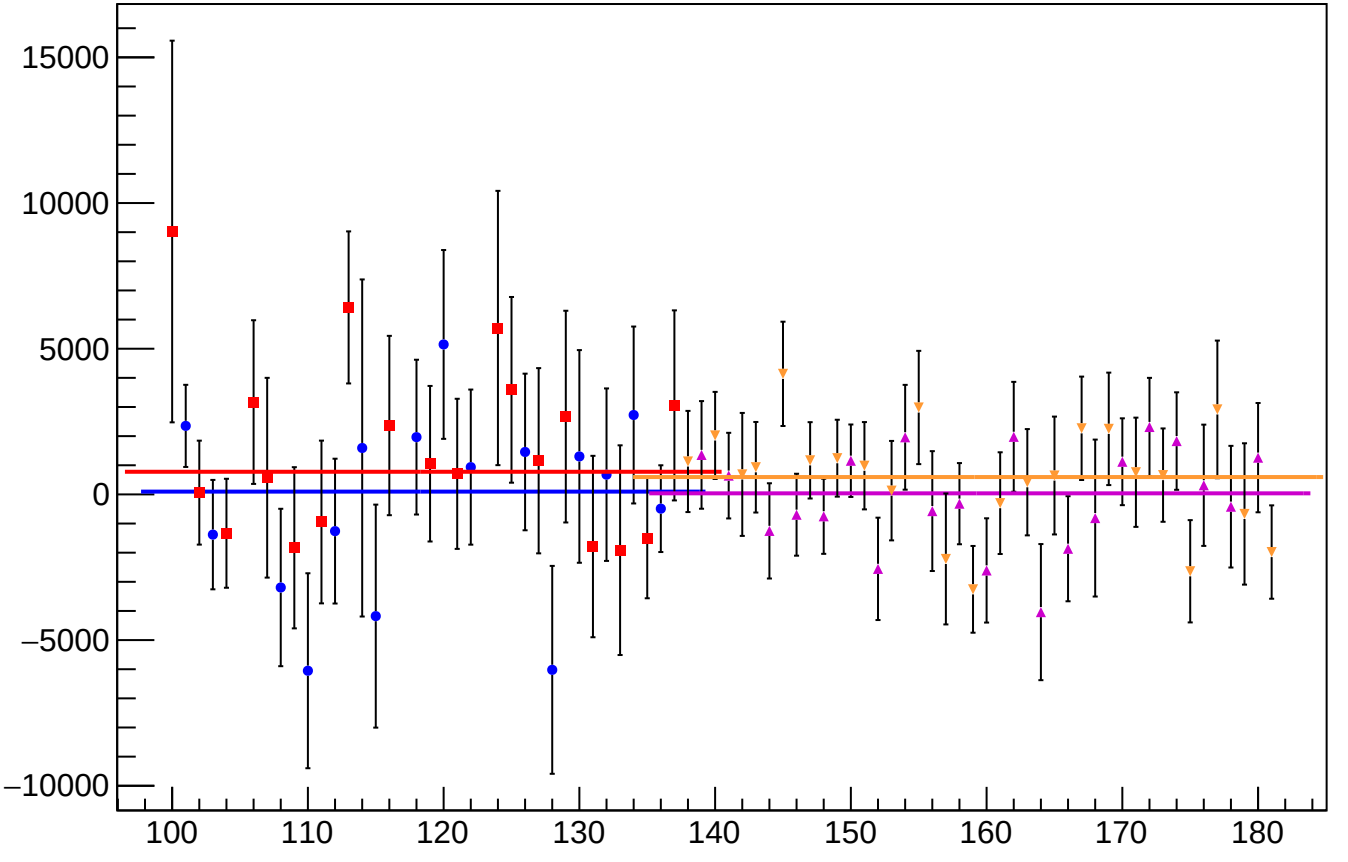
Left In: 1093.821+/-0.186 χ^2/NDF:3598.9/20

+ sign 1096.172+/-0.153 χ^2/NDF: 17874.1/38

All: 1096.972+/-0.109 χ^2/NDF: 31743.0/78

- sign 1097.801+/-0.156 χ^2/NDF: 13813.4/39

asym_usr_reg_correction_mean vs Slug



Right In: 95.955+/-618.095 χ^2/NDF: 16.9/15

Left Out: 595.587+/-358.362 χ^2/NDF:24.4/22

Right Out: 776.996+/-636.966 χ^2/NDF: 15.1/18

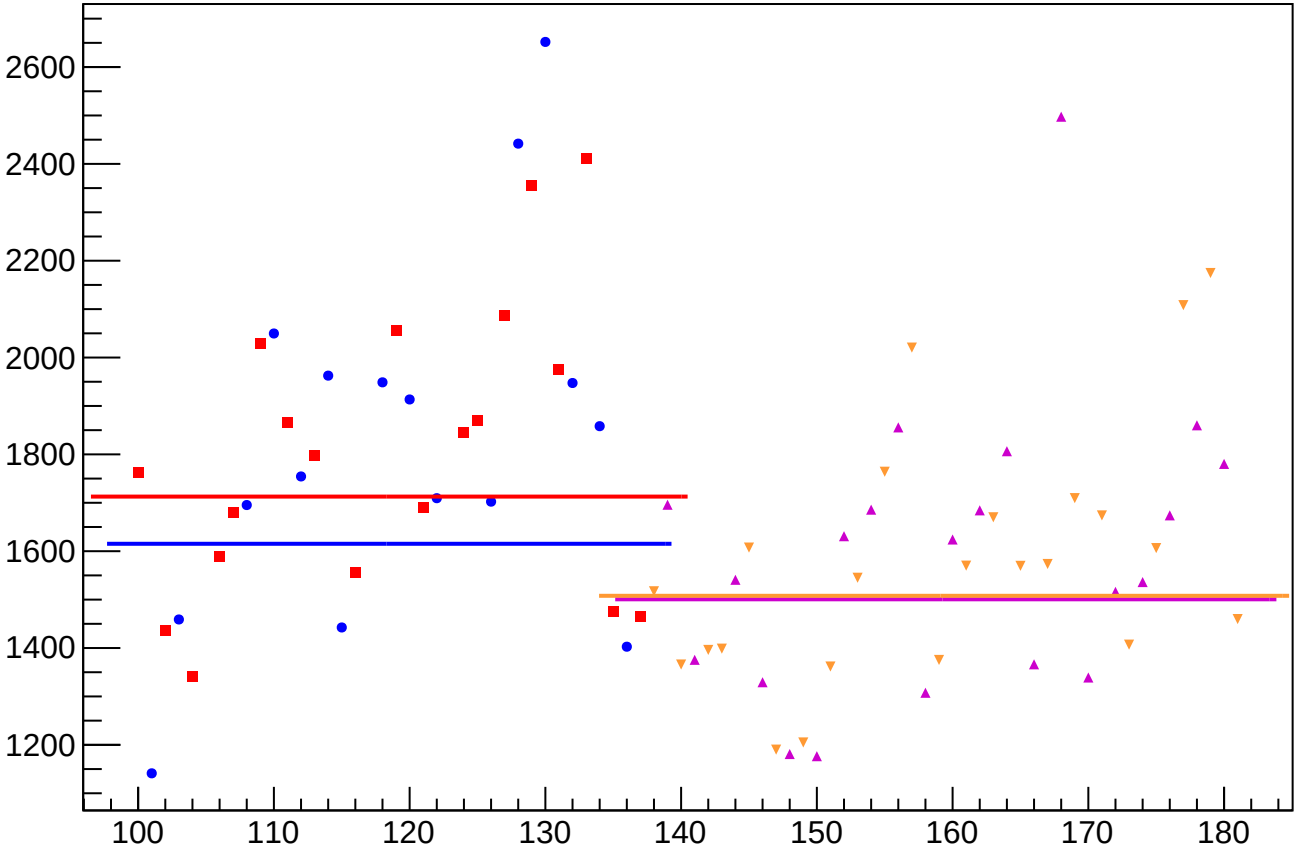
Left In: 36.773+/-367.704 χ^2/NDF:17.7/20

+ sign 469.889+/-310.023 χ^2/NDF: 41.9/38

All: 349.167+/-222.139 χ^2/NDF: 76.0/78

- sign 221.791+/-318.451 χ^2/NDF: 33.8/39

asym_usr_reg_correction_rms vs Slug



Right In: 1615.316+/-0.437 χ^2/NDF: 693630.0/15

Left Out: 1507.877+/-0.253 χ^2/NDF:794426.9/22

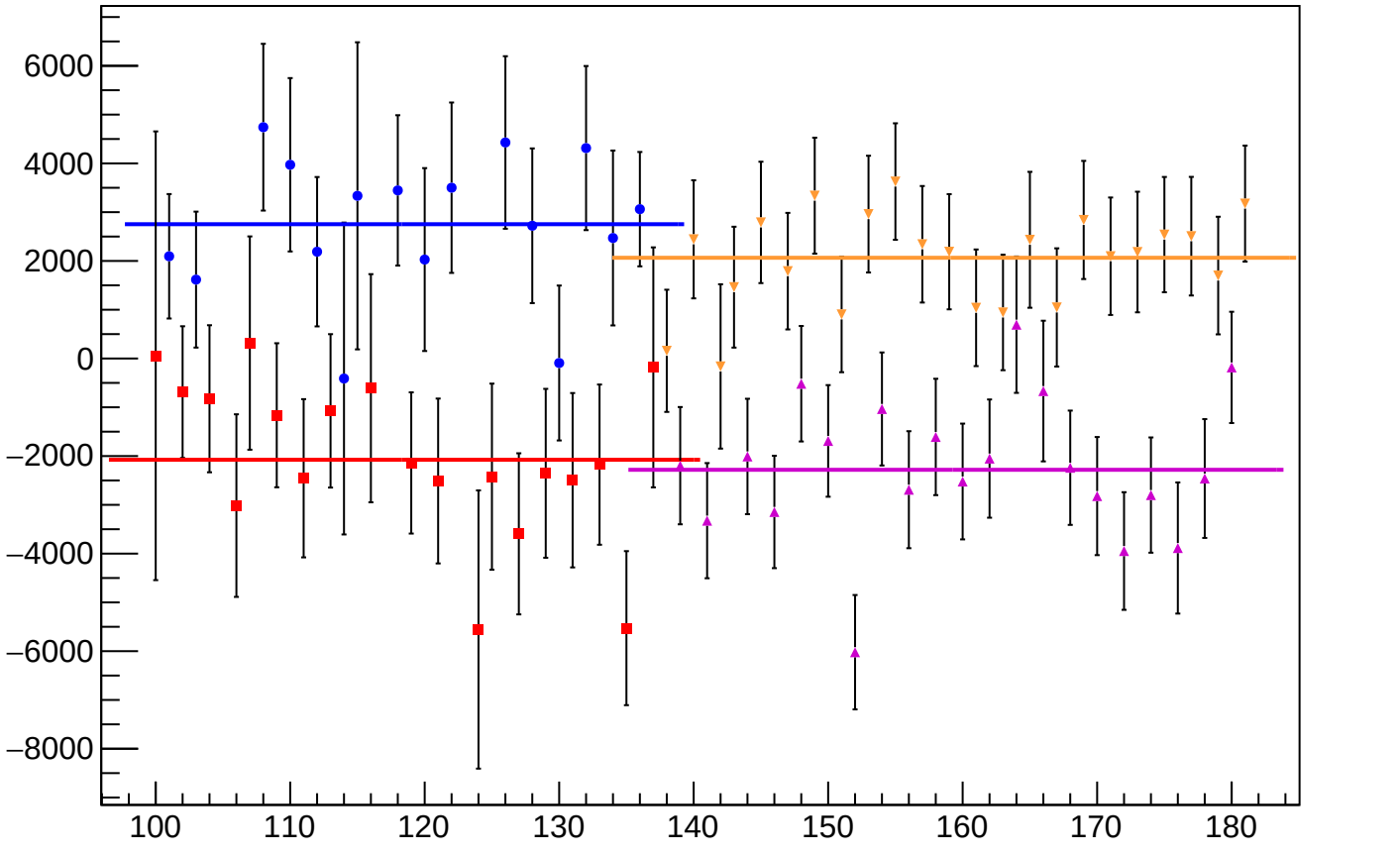
Right Out: 1712.798+/-0.450 χ^2/NDF: 428065.0/18

Left In: 1500.625+/-0.260 χ^2/NDF:946796.6/20

+ sign 1534.907+/-0.219 χ^2/NDF: 1533282.3/38

All: 1544.031+/-0.157 χ^2/NDF: 3078147.7/78

- sign 1553.658+/-0.225 χ^2/NDF: 1541305.3/39



Right In: 2753.123+/-409.837 χ^2/NDF: 9.5/15

Left Out: 2065.044+/-255.409 χ^2/NDF:13.3/22

Right Out: -2076.471+/-403.796 χ^2/NDF: 12.5/18

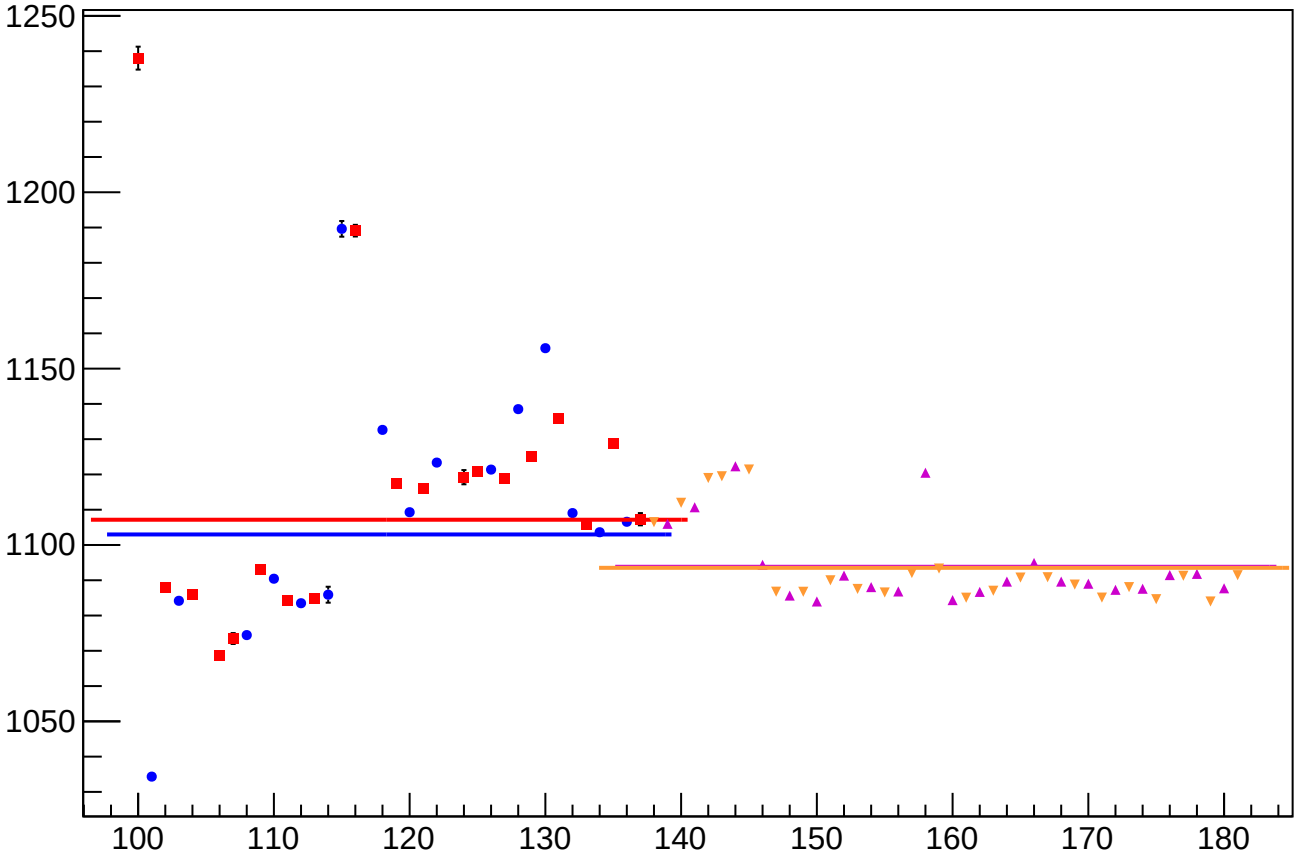
Left In: -2281.602+/-263.333 χ^2/NDF:28.6/20

\+ sign 2257.522+/-216.762 χ^2/NDF: 24.9/38

All: 57.588+/-154.604 χ^2/NDF: 275.9/78

\- sign -2220.393+/-220.573 χ^2/NDF: 41.4/39

cor_asym_usr_rms vs Slug



Right In: 1102.988+/-0.290 χ^2/NDF: 13223.8/15

Left Out: 1093.525+/-0.181 χ^2/NDF:3882.5/22

Right Out: 1107.159+/-0.286 χ^2/NDF: 8683.4/18

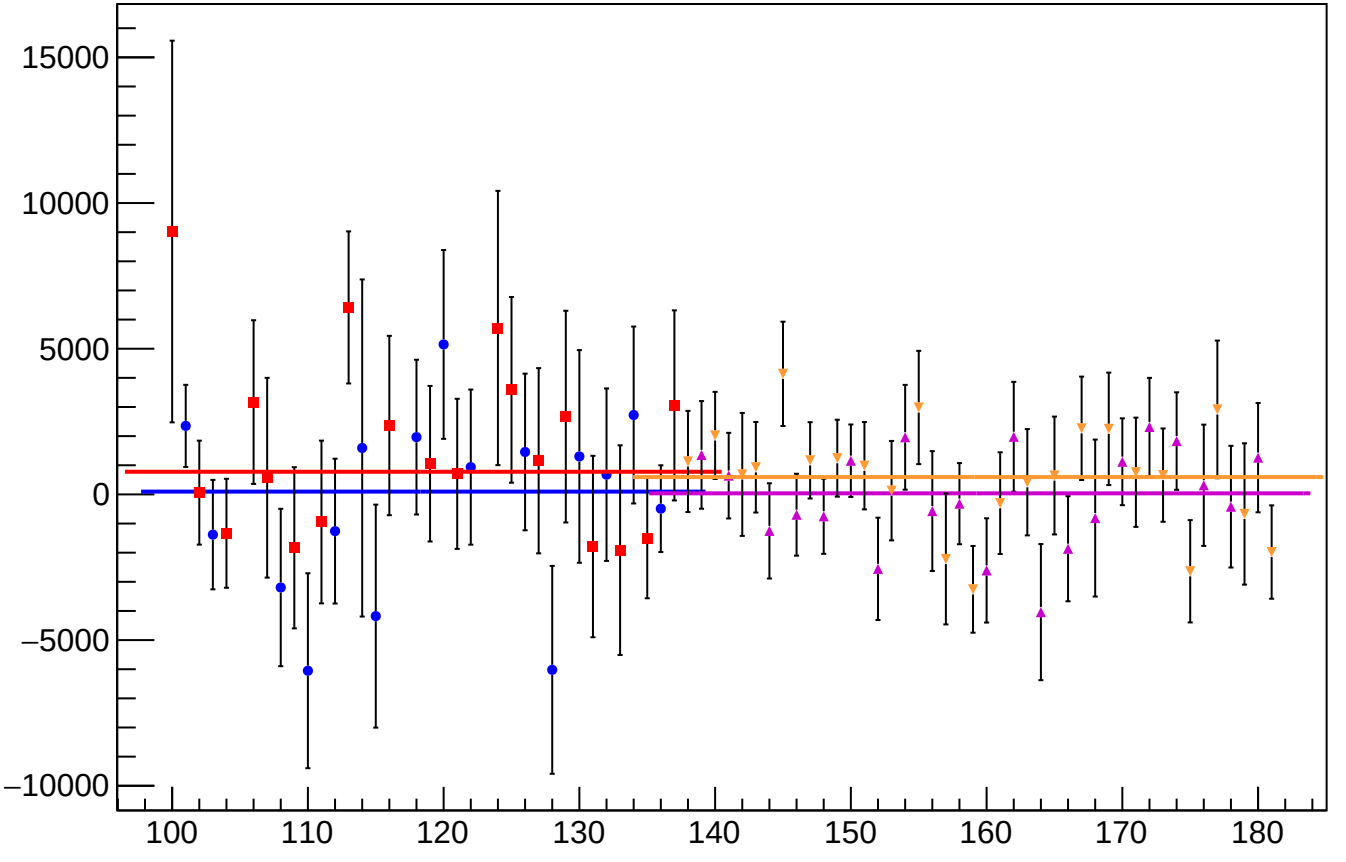
Left In: 1093.821+/-0.186 χ^2/NDF:3598.9/20

+ sign 1096.172+/-0.153 χ^2/NDF: 17874.1/38

All: 1096.972+/-0.109 χ^2/NDF: 31743.0/78

- sign 1097.801+/-0.156 χ^2/NDF: 13813.4/39

asym_usr_cor_correction_mean vs Slug



Right In: 95.955+/-618.095 χ^2/NDF: 16.9/15

Left Out: 595.587+/-358.362 χ^2/NDF:24.4/22

Right Out: 776.996+/-636.966 χ^2/NDF: 15.1/18

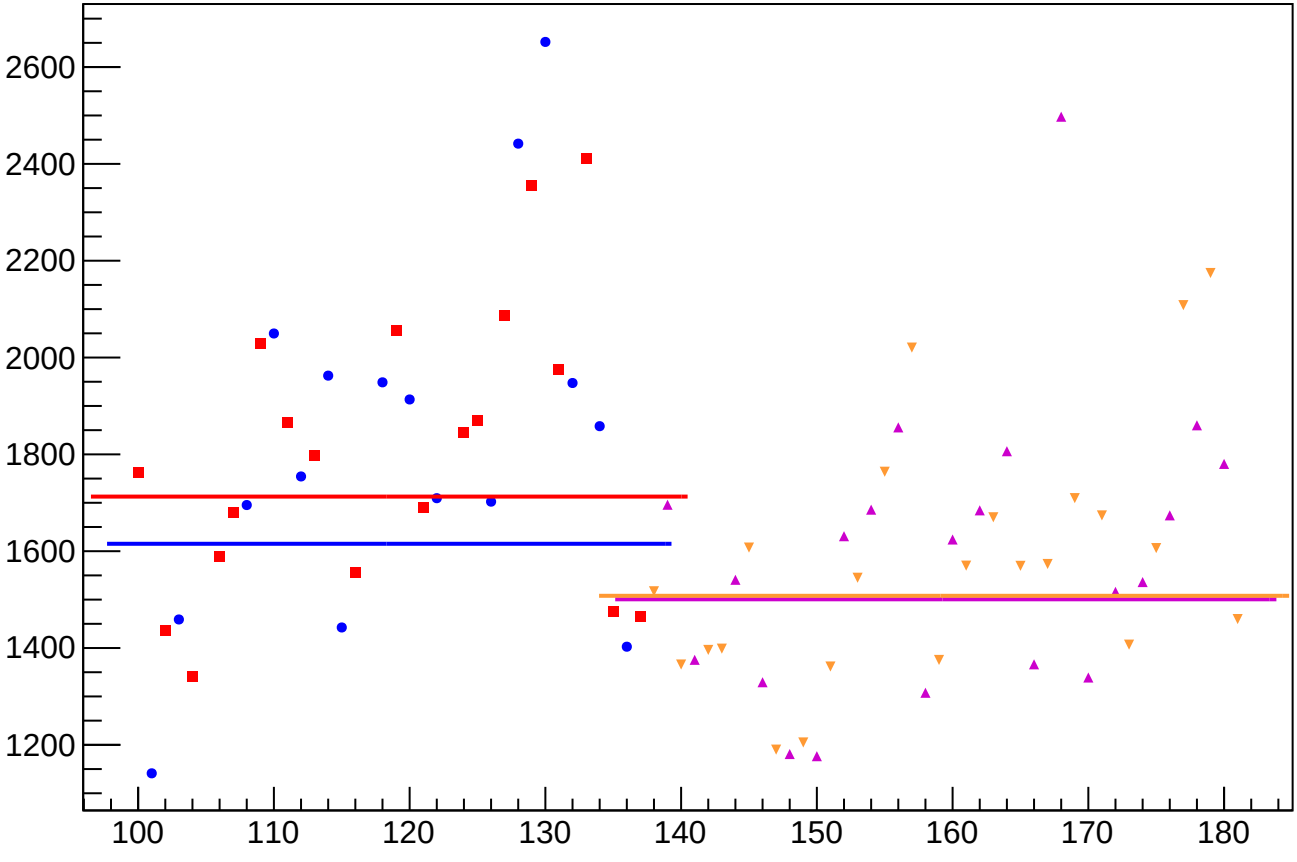
Left In: 36.773+/-367.704 χ^2/NDF:17.7/20

+ sign 469.889+/-310.023 χ^2/NDF: 41.9/38

All: 349.167+/-222.139 χ^2/NDF: 76.0/78

- sign 221.791+/-318.451 χ^2/NDF: 33.8/39

asym_usr_cor_correction_rms vs Slug



Right In: 1615.316+/-0.437 χ^2/NDF: 693630.0/15

Left Out: 1507.877+/-0.253 χ^2/NDF:794426.9/22

Right Out: 1712.798+/-0.450 χ^2/NDF: 428065.0/18

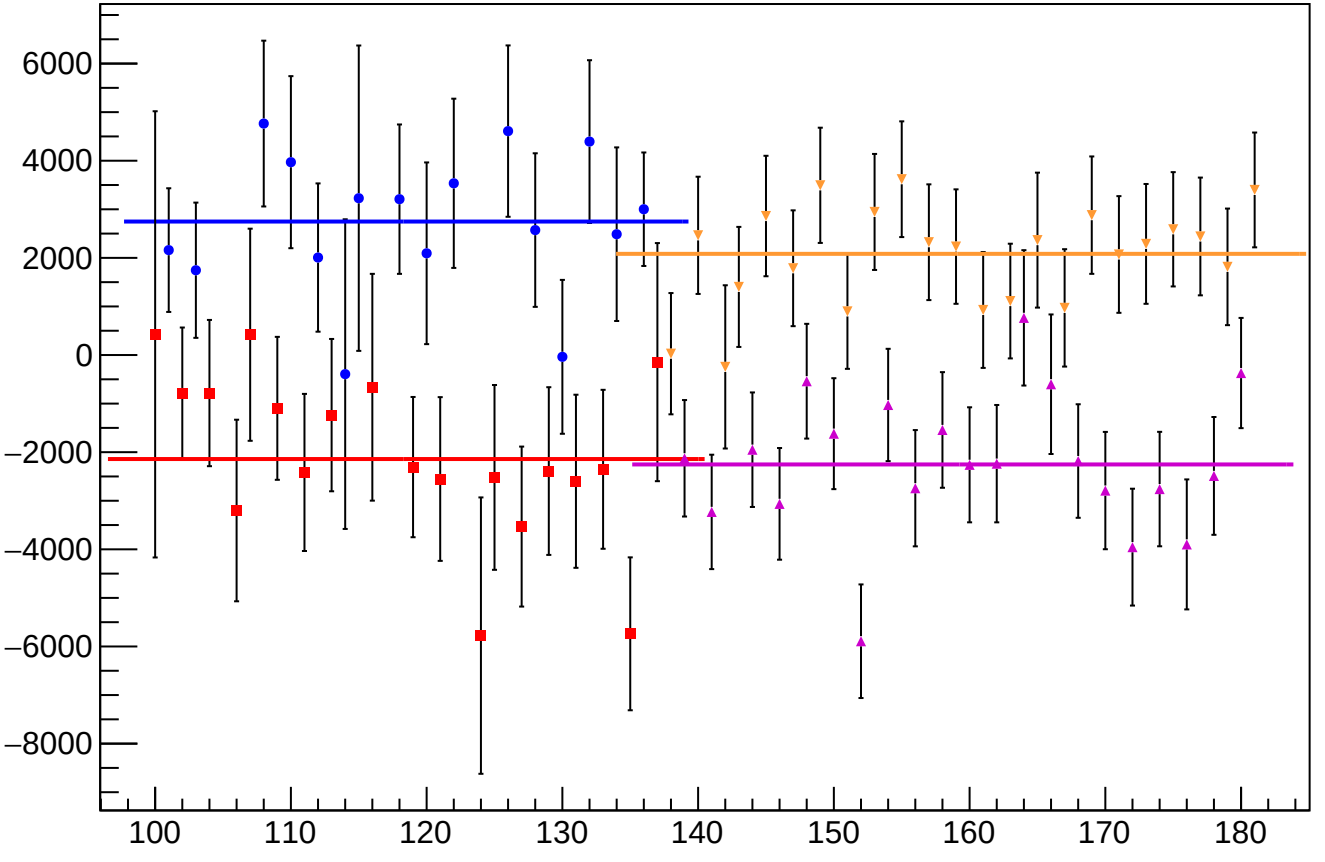
Left In: 1500.625+/-0.260 χ^2/NDF:946796.6/20

+ sign 1534.907+/-0.219 χ^2/NDF: 1533282.3/38

All: 1544.031+/-0.157 χ^2/NDF: 3078147.7/78

- sign 1553.658+/-0.225 χ^2/NDF: 1541305.3/39

overload_cor_asym_usr_mean vs Slug



Right In: 2747.939+/-408.759 χ^2/NDF: 9.5/15

Left Out: 2083.012+/-254.656 χ^2/NDF:14.7/22

Right Out: -2141.169+/-402.789 χ^2/NDF: 13.6/18

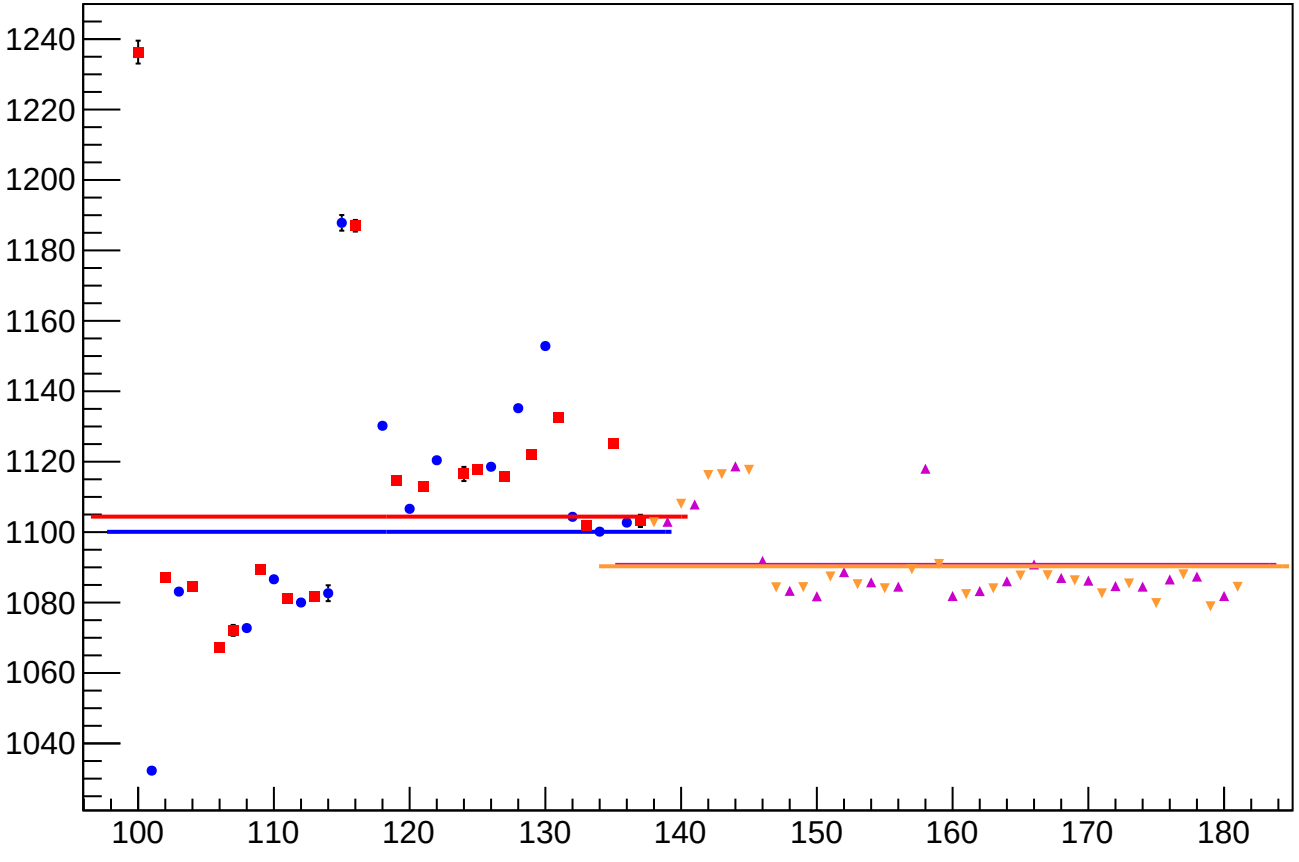
Left In: -2252.624+/-262.582 χ^2/NDF:27.7/20

+ sign 2268.928+/-216.142 χ^2/NDF: 26.1/38

All: 64.144+/-154.170 χ^2/NDF: 279.2/78

- sign -2219.384+/-219.968 χ^2/NDF: 41.3/39

overload_cor_asym_usr_rms vs Slug



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

Left Out: 1090.303+/-0.180 χ^2/NDF:3873.3/22

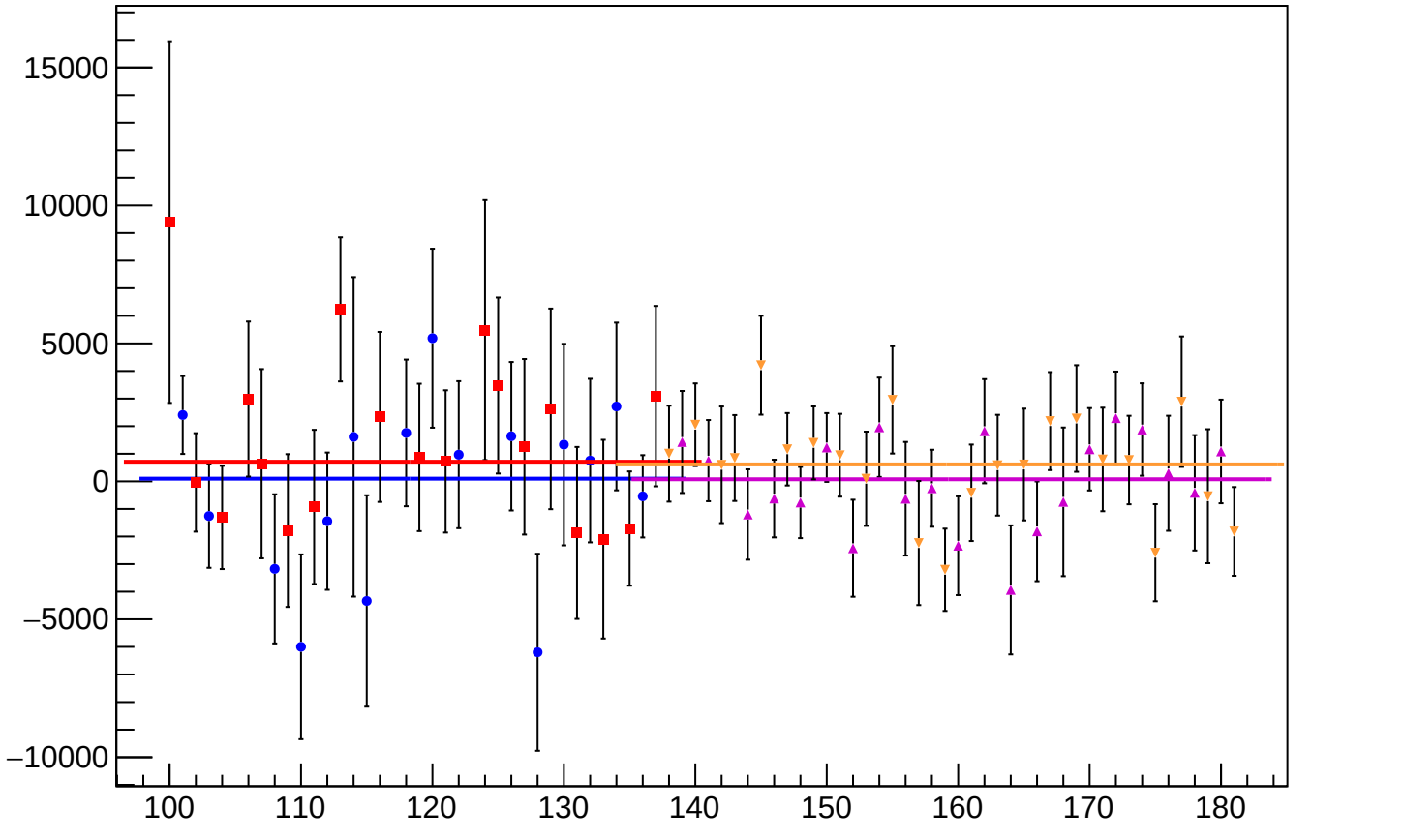
Right Out: 1104.403+/-0.285 χ^2/NDF: 8543.5/18

Left In: 1090.701+/-0.186 χ^2/NDF:3627.3/20

+ sign 1093.040+/-0.153 χ^2/NDF: 17776.4/38

All: 1093.898+/-0.109 χ^2/NDF: 31635.6/78

- sign 1094.788+/-0.156 χ^2/NDF: 13794.9/39



Right In: 97.435+/-618.876 χ^2/NDF: 17.2/15

Left Out: 613.840+/-358.940 χ^2/NDF:23.9/22

Right Out: 711.287+/-637.587 χ^2/NDF: 14.9/18

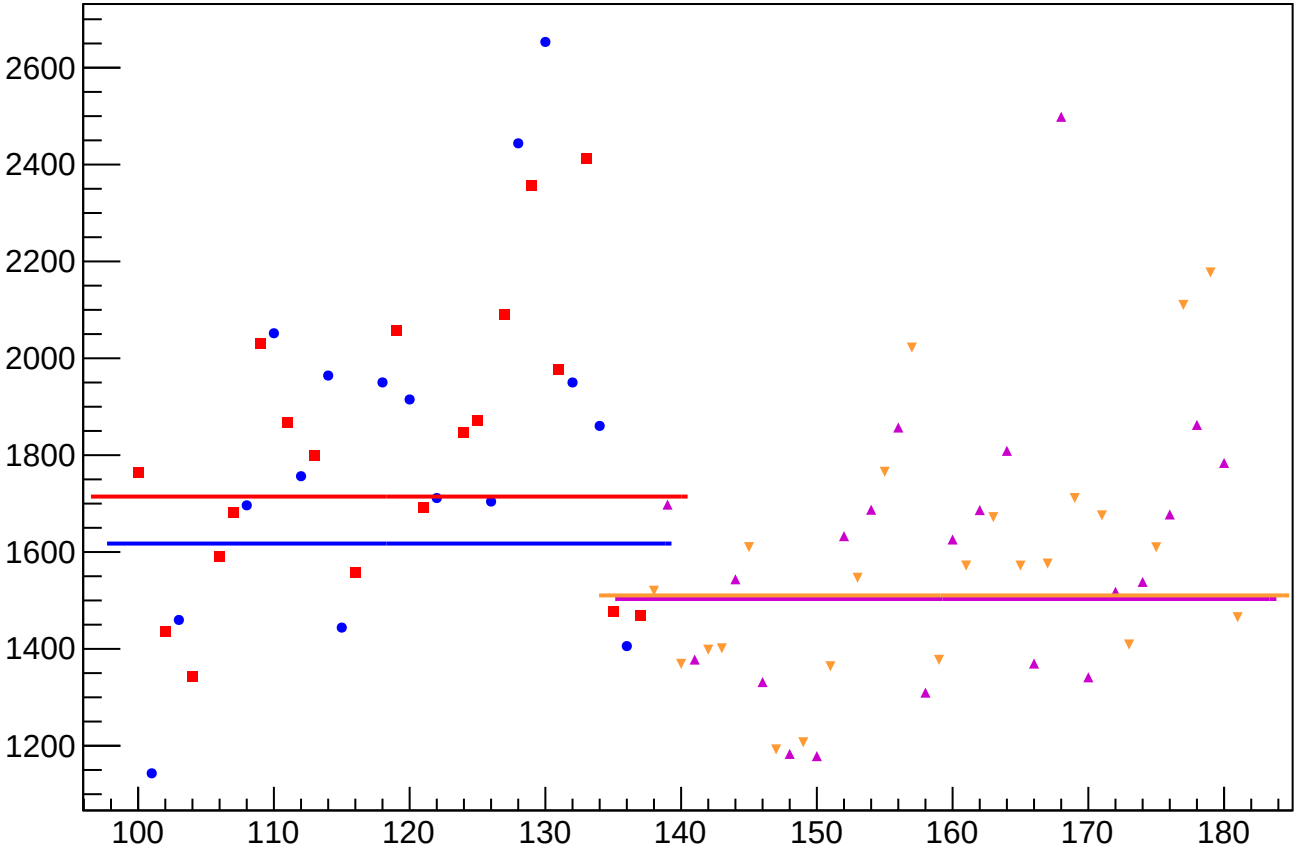
Left In: 75.765+/-368.261 χ^2/NDF:16.7/20

\+ sign 483.855+/-310.496 χ^2/NDF: 41.7/38

All: 362.621+/-222.463 χ^2/NDF: 74.4/78

\- sign 234.743+/-318.891 χ^2/NDF: 32.4/39

asym_usr_overload_cor_correction_rms vs Slug



Right In: 1617.491+/-0.438 χ^2/NDF: 691725.3/15

Left Out: 1510.421+/-0.254 χ^2/NDF:791470.9/22

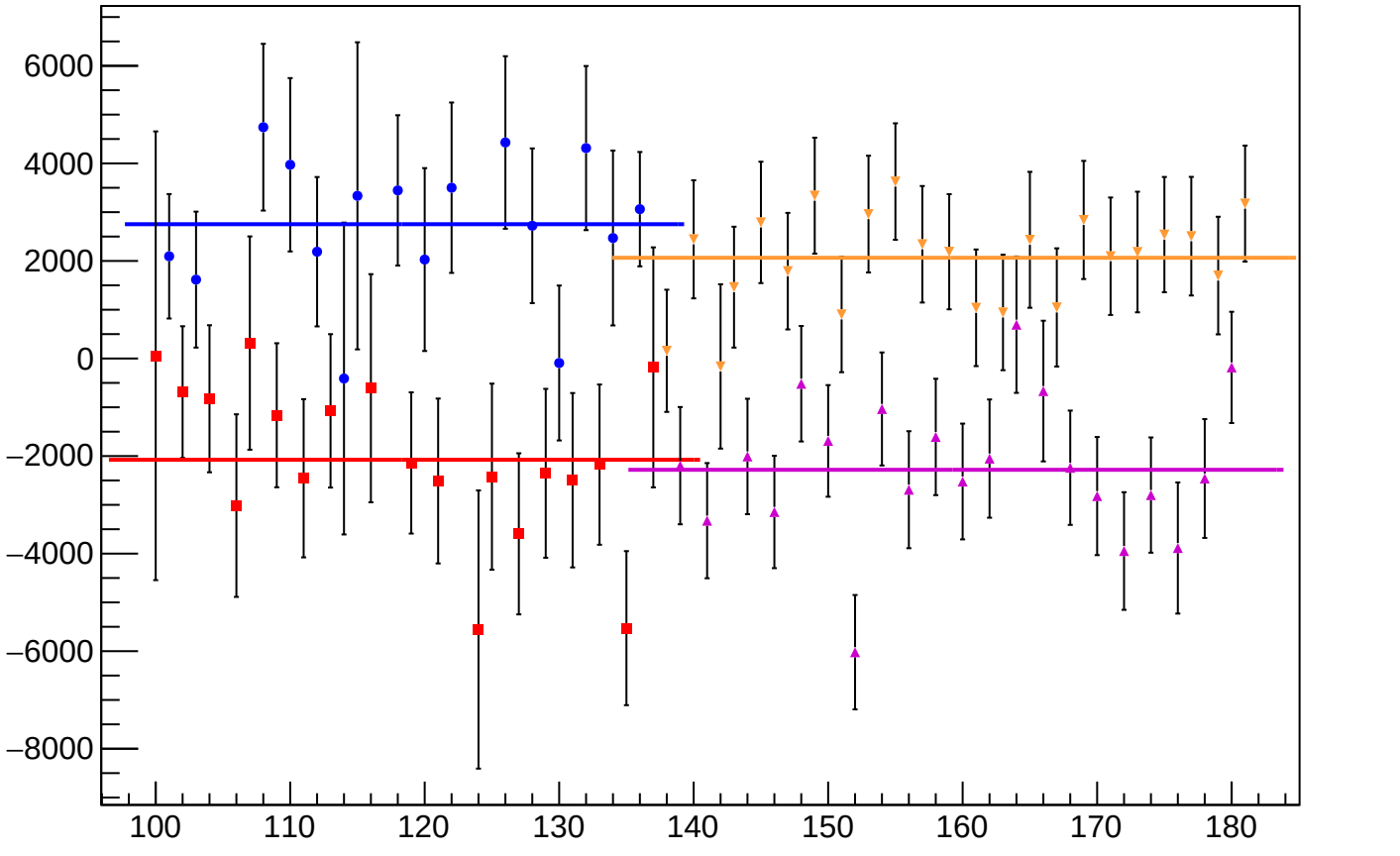
Right Out: 1714.508+/-0.451 χ^2/NDF: 427709.9/18

Left In: 1502.985+/-0.260 χ^2/NDF:944133.0/20

+ sign 1537.372+/-0.220 χ^2/NDF: 1527990.6/38

All: 1546.388+/-0.157 χ^2/NDF: 3068356.5/78

- sign 1555.898+/-0.225 χ^2/NDF: 1536900.9/39



Right In: 2753.123+/-409.837 χ^2/NDF: 9.5/15

Left Out: 2065.044+/-255.409 χ^2/NDF:13.3/22

Right Out: -2076.471+/-403.796 χ^2/NDF: 12.5/18

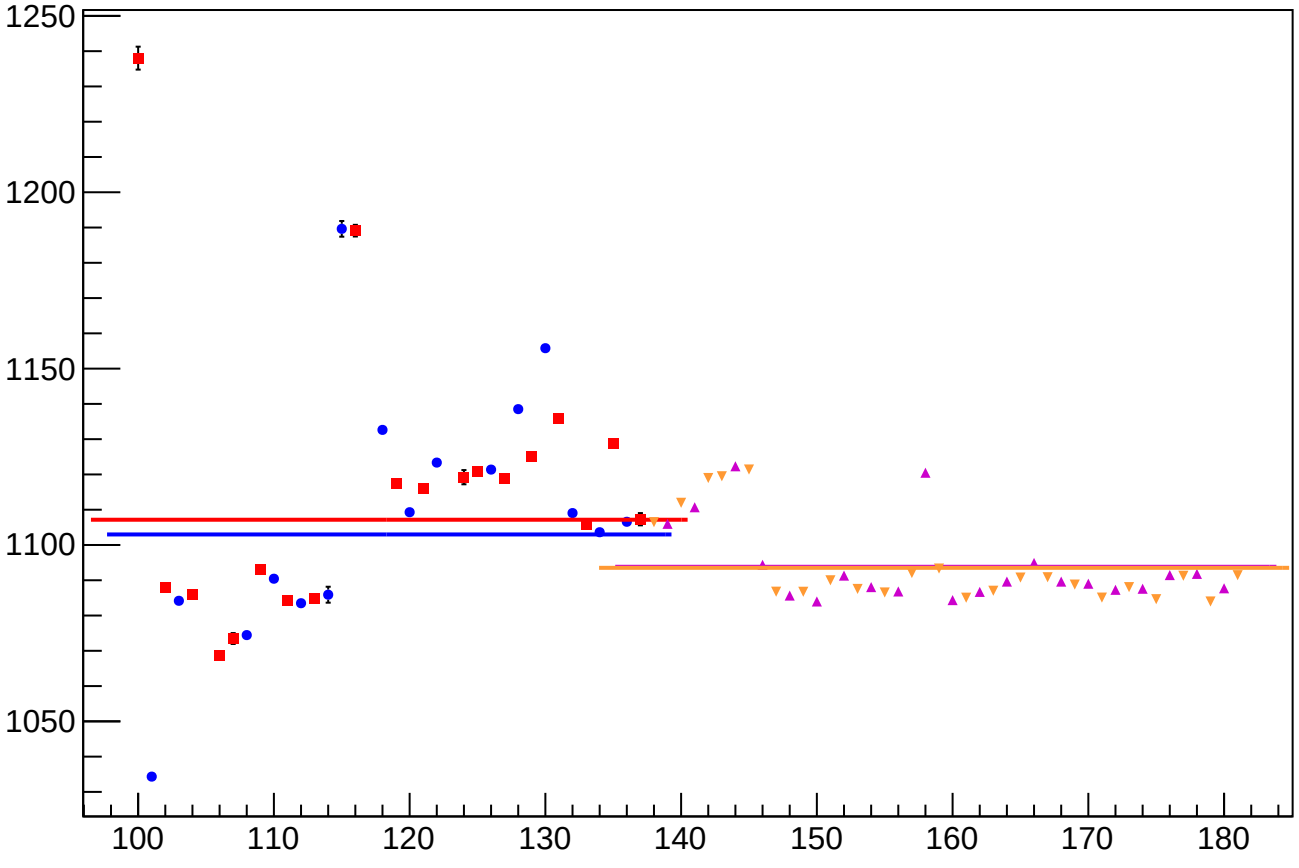
Left In: -2281.602+/-263.333 χ^2/NDF:28.6/20

+ sign 2257.522+/-216.762 χ^2/NDF: 24.9/38

All: 57.588+/-154.604 χ^2/NDF: 275.9/78

- sign -2220.393+/-220.573 χ^2/NDF: 41.4/39

eigen_cor_asym_usr_rms vs Slug



Right In: 1102.988+/-0.290 χ^2/NDF: 13223.8/15

Left Out: 1093.525+/-0.181 χ^2/NDF:3882.5/22

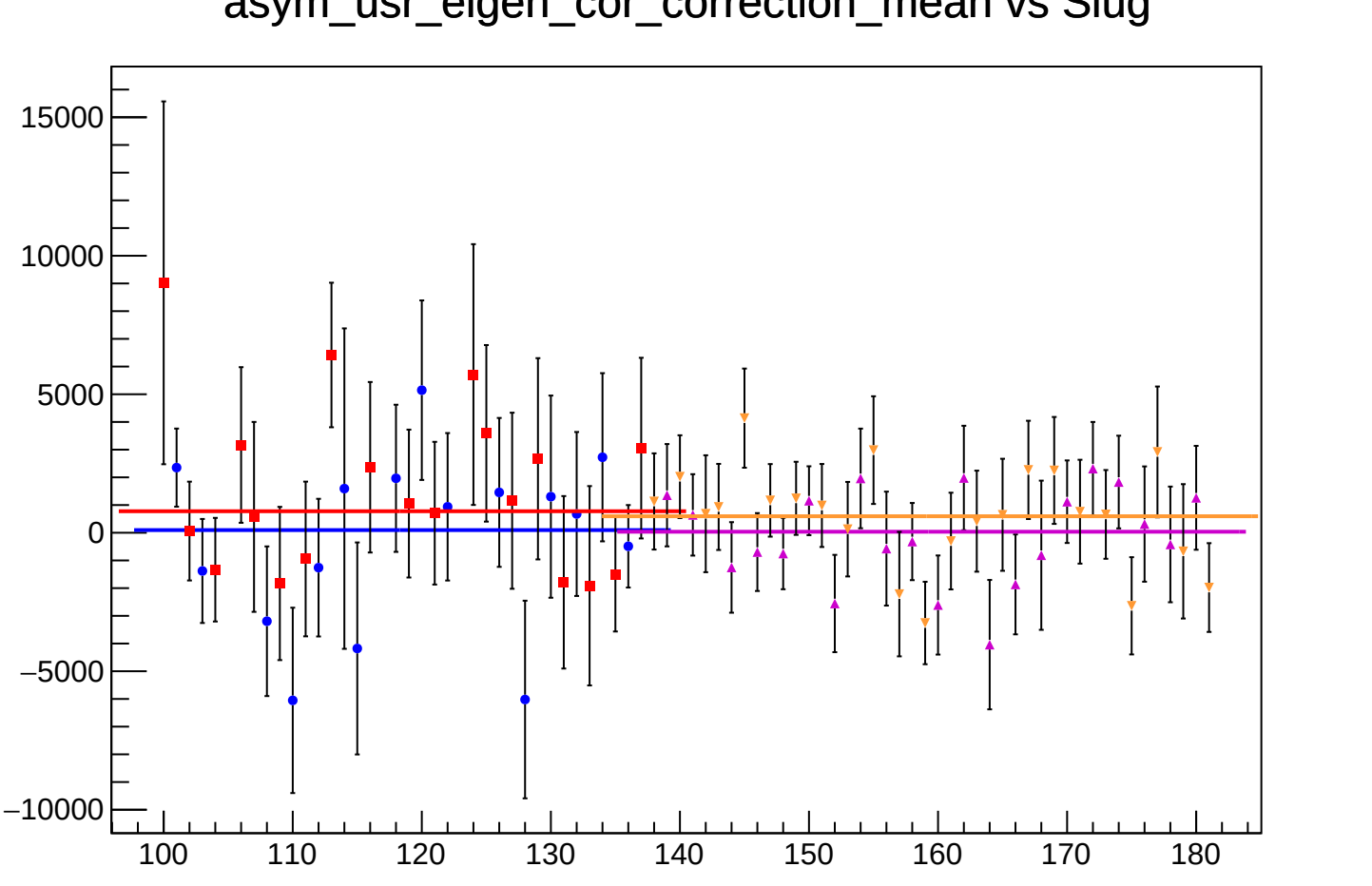
Right Out: 1107.159+/-0.286 χ^2/NDF: 8683.4/18

Left In: 1093.821+/-0.186 χ^2/NDF:3598.9/20

\+ sign 1096.172+/-0.153 χ^2/NDF: 17874.1/38

All: 1096.972+/-0.109 χ^2/NDF: 31743.0/78

\- sign 1097.801+/-0.156 χ^2/NDF: 13813.4/39



Right In: 95.955+/-618.095 χ^2/NDF: 16.9/15

Left Out: 595.587+/-358.362 χ^2/NDF:24.4/22

Right Out: 776.996+/-636.966 χ^2/NDF: 15.1/18

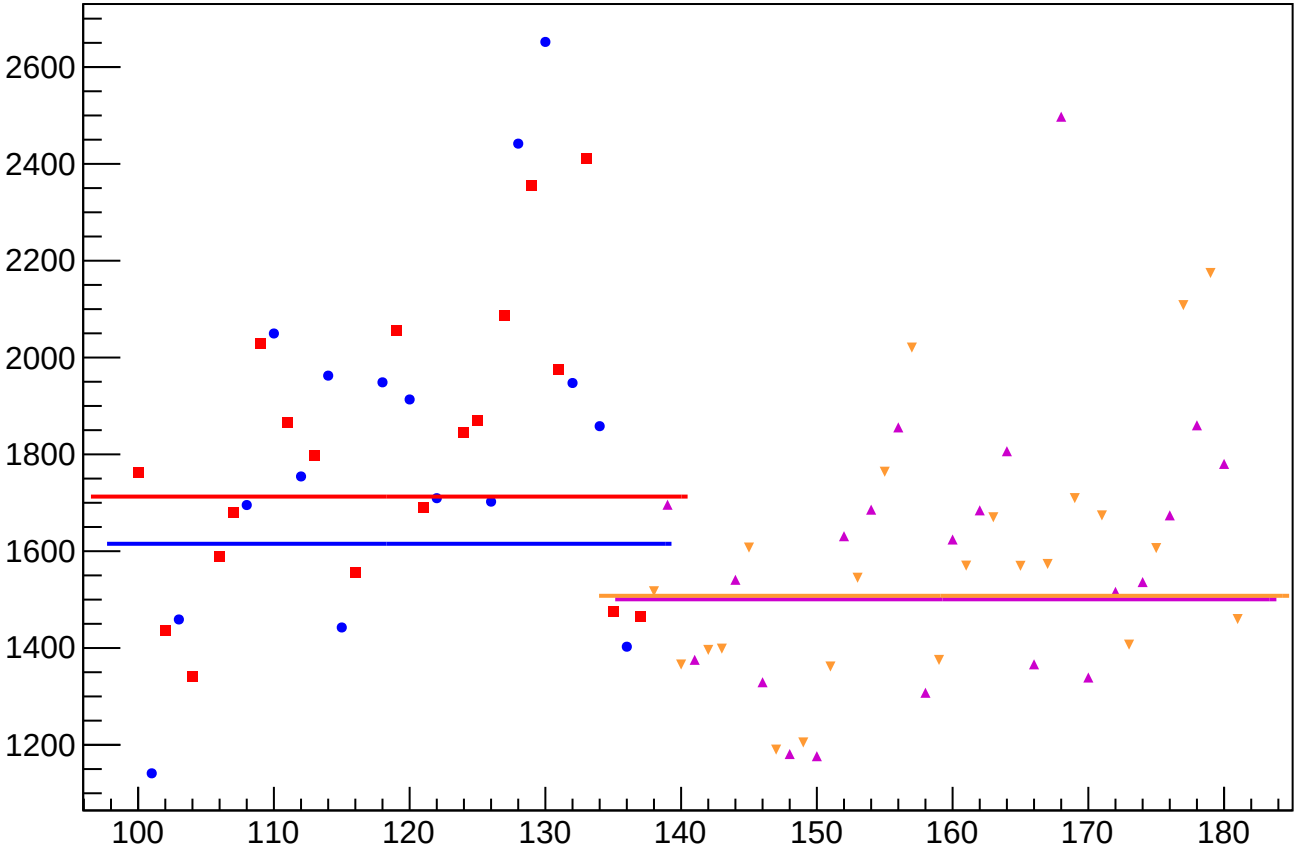
Left In: 36.773+/-367.704 χ^2/NDF:17.7/20

+ sign 469.889+/-310.023 χ^2/NDF: 41.9/38

All: 349.167+/-222.139 χ^2/NDF: 76.0/78

- sign 221.791+/-318.451 χ^2/NDF: 33.8/39

asym_usr_eigen_cor_correction_rms vs Slug



Right In: 1615.316+/-0.437 χ^2/NDF: 693630.0/15

Left Out: 1507.877+/-0.253 χ^2/NDF:794426.9/22

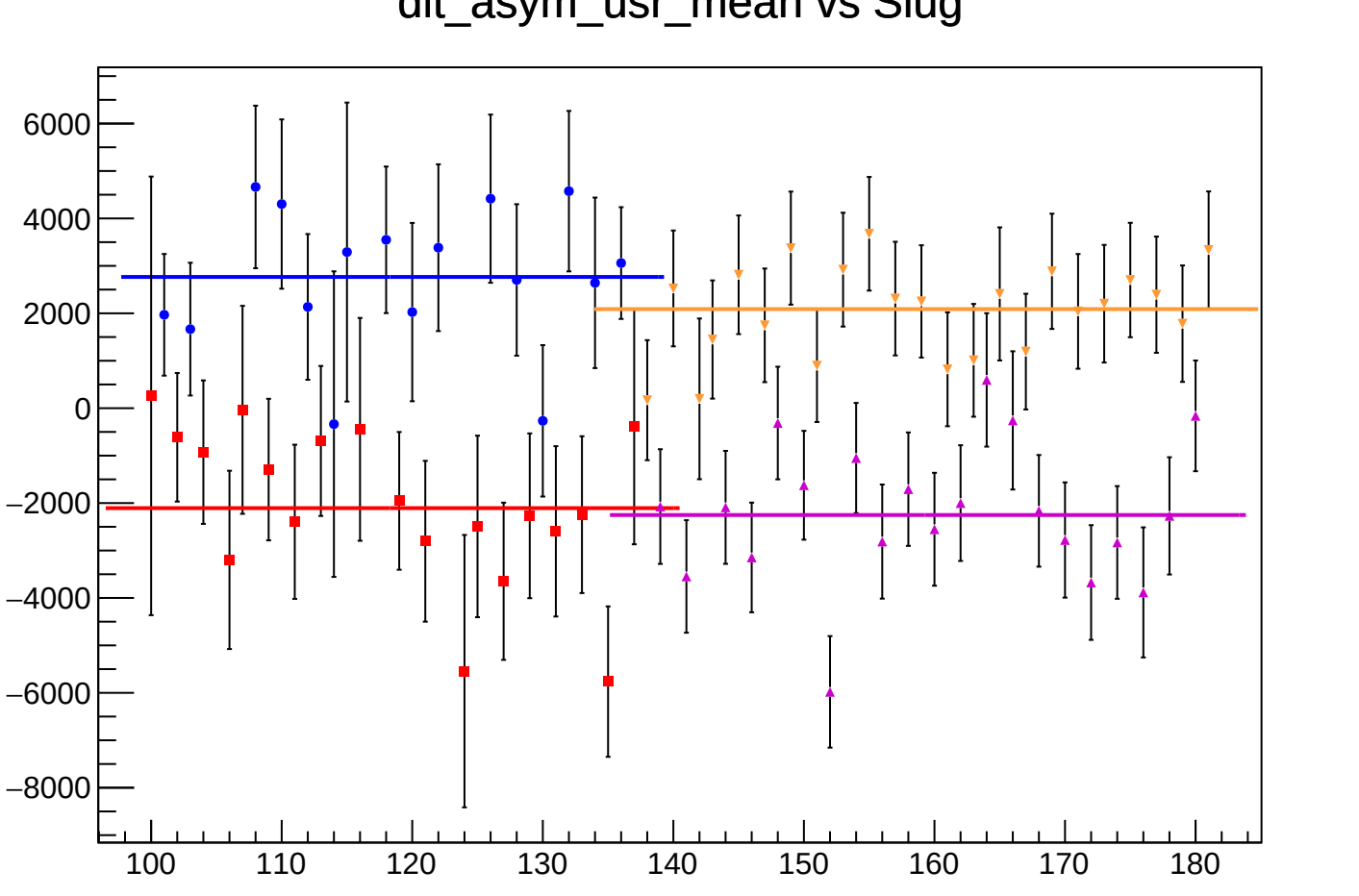
Right Out: 1712.798+/-0.450 χ^2/NDF: 428065.0/18

Left In: 1500.625+/-0.260 χ^2/NDF:946796.6/20

+ sign 1534.907+/-0.219 χ^2/NDF: 1533282.3/38

All: 1544.031+/-0.157 χ^2/NDF: 3078147.7/78

- sign 1553.658+/-0.225 χ^2/NDF: 1541305.3/39



Right In: 2766.657+/-411.563 χ^2/NDF: 10.3/15

Left Out: 2088.841+/-257.261 χ^2/NDF:13.2/22

Right Out: -2106.358+/-405.586 χ^2/NDF: 13.4/18

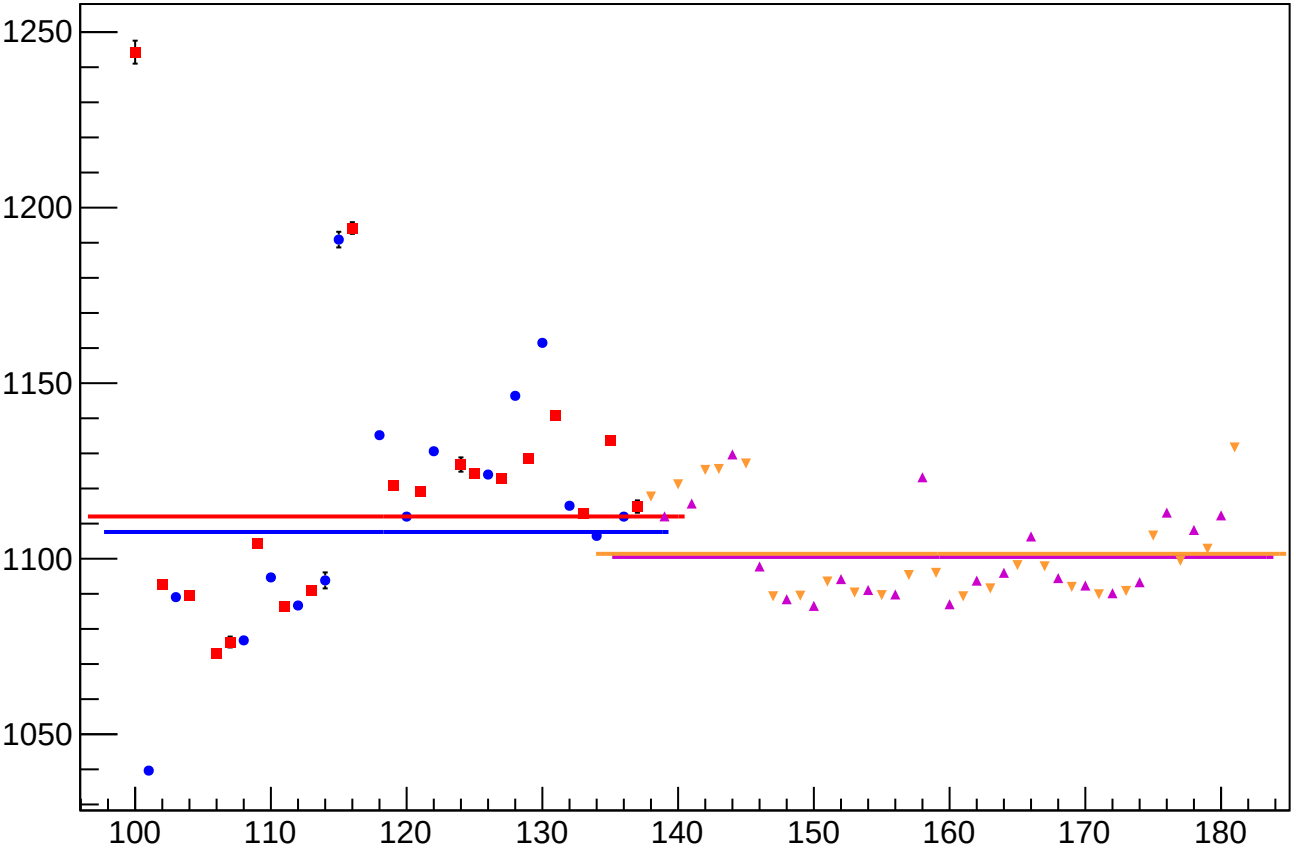
Left In: -2251.744+/-264.951 χ^2/NDF:28.9/20

+ sign 2279.275+/-218.149 χ^2/NDF: 25.5/38

All: 72.912+/-155.535 χ^2/NDF: 275.8/78

- sign -2208.258+/-221.816 χ^2/NDF: 42.3/39

dit_asym_usr_rms vs Slug



Right In: 1107.613+/-0.291 χ^2/NDF: 13220.8/15

Left Out: 1101.391+/-0.182 χ^2/NDF:5868.8/22

Right Out: 1112.029+/-0.287 χ^2/NDF: 8653.5/18

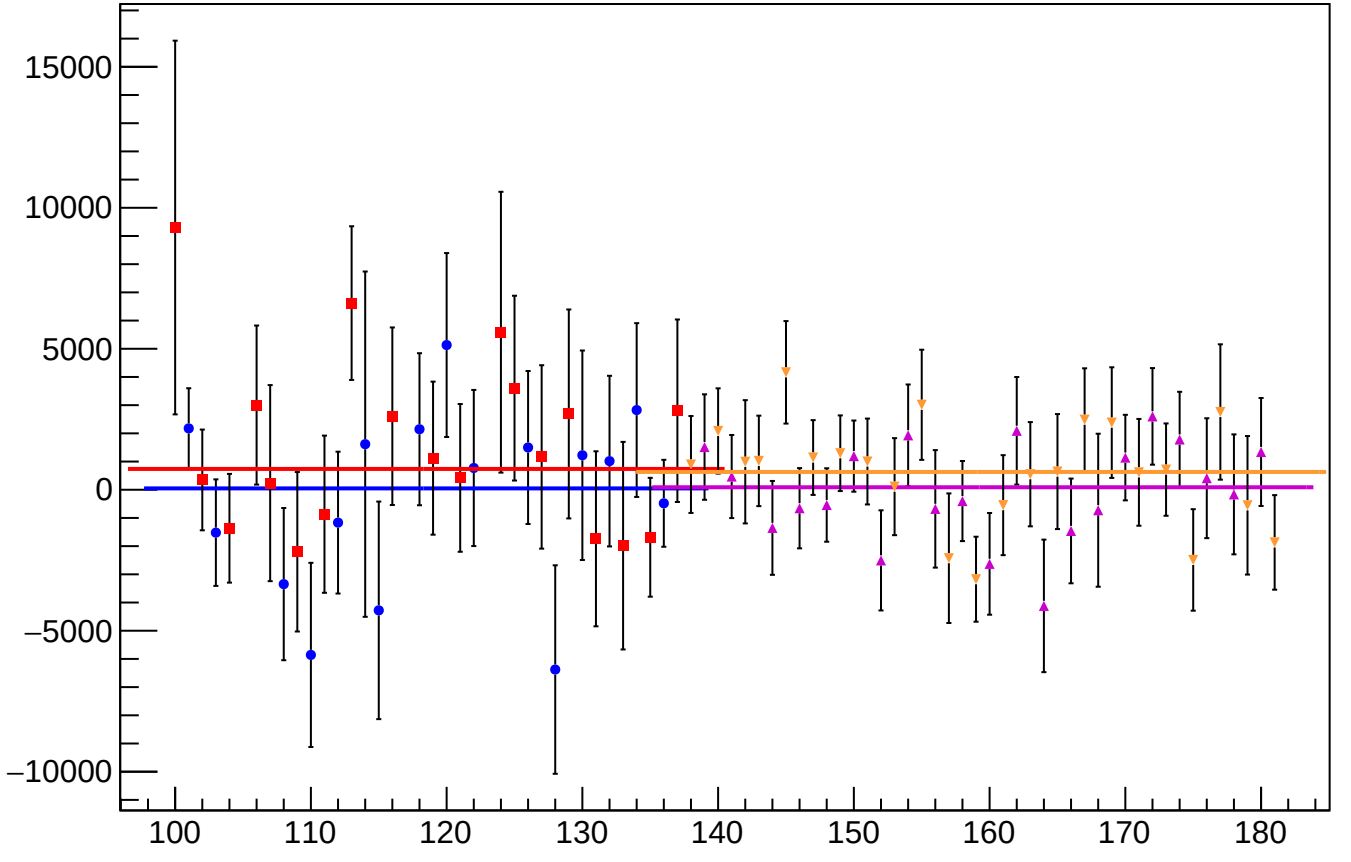
Left In: 1100.502+/-0.187 χ^2/NDF:4481.1/20

+ sign 1103.139+/-0.154 χ^2/NDF: 19418.4/38

All: 1103.538+/-0.110 χ^2/NDF: 33698.8/78

- sign 1103.950+/-0.157 χ^2/NDF: 14266.9/39

asym_usr_dit_correction_mean vs Slug



Right In: 47.817+/-628.060 χ^2/NDF: 16.9/15

Left Out: 631.445+/-364.462 χ^2/NDF:23.5/22

Right Out: 738.185+/-647.795 χ^2/NDF: 14.9/18

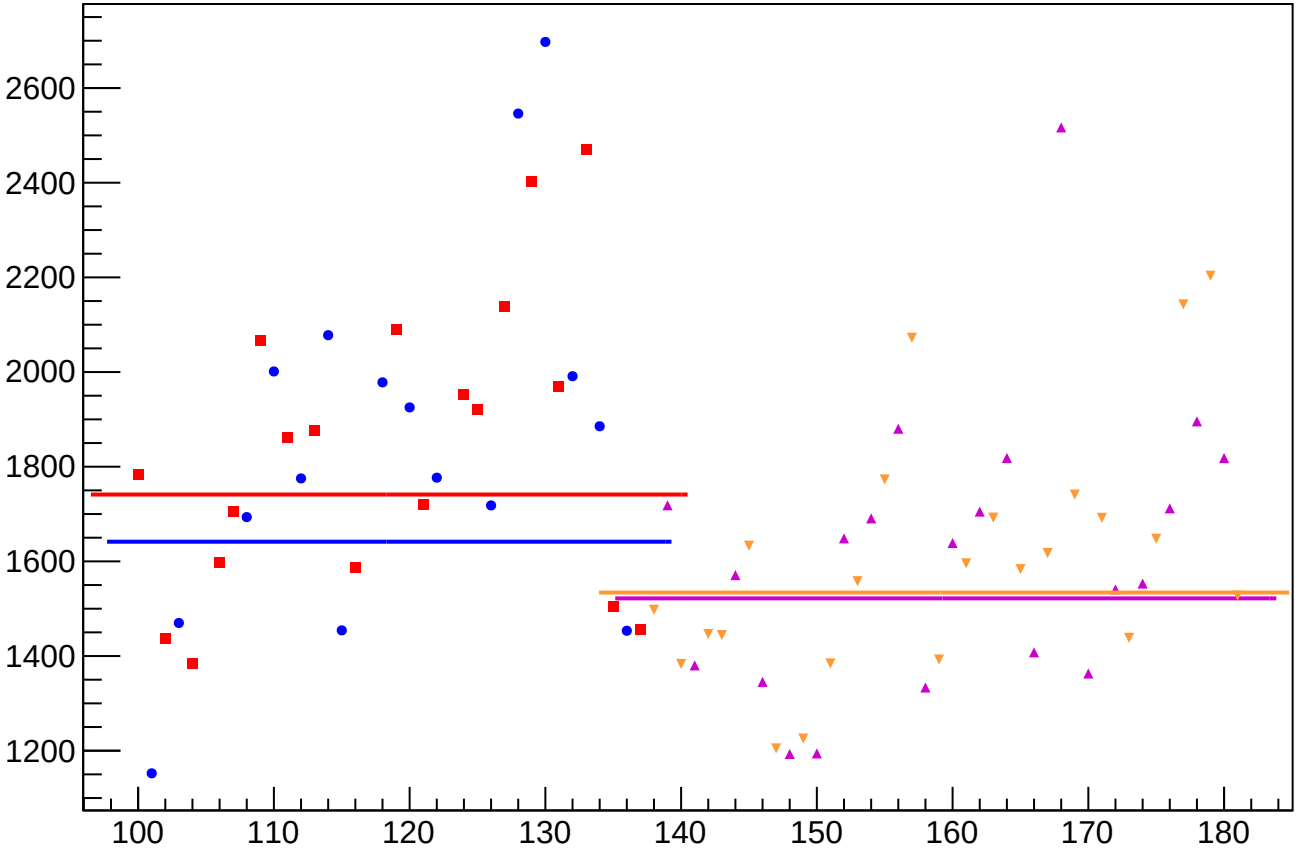
Left In: 88.183+/-372.725 χ^2/NDF:17.6/20

\+ sign 484.420+/-315.230 χ^2/NDF: 41.0/38

All: 370.014+/-225.621 χ^2/NDF: 74.6/78

\- sign 249.849+/-323.066 χ^2/NDF: 33.3/39

asym_usr_dit_correction_rms vs Slug



Right In: 1641.538+/-0.444 χ^2/NDF: 701311.4/15

Left Out: 1534.145+/-0.258 χ^2/NDF:792719.8/22

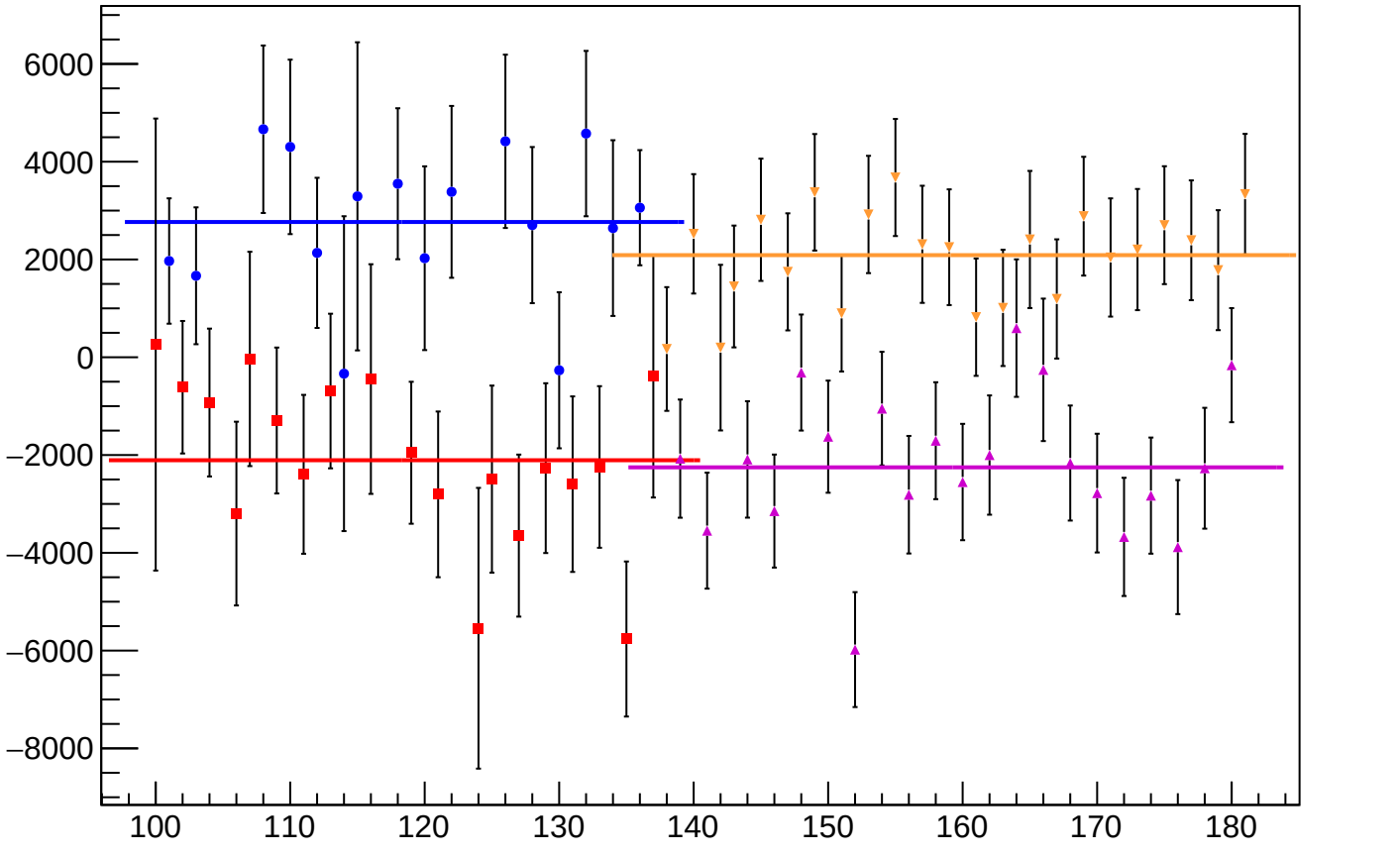
Right Out: 1741.200+/-0.458 χ^2/NDF: 438336.6/18

Left In: 1521.803+/-0.264 χ^2/NDF:941296.5/20

+ sign 1561.199+/-0.223 χ^2/NDF: 1537776.5/38

All: 1568.598+/-0.160 χ^2/NDF: 3092022.6/78

- sign 1576.371+/-0.228 χ^2/NDF: 1551986.4/39



Right In: 2766.656+/-411.563 χ^2/NDF: 10.3/15

Left Out: 2088.839+/-257.261 χ^2/NDF:13.2/22

Right Out: -2106.360+/-405.586 χ^2/NDF: 13.4/18

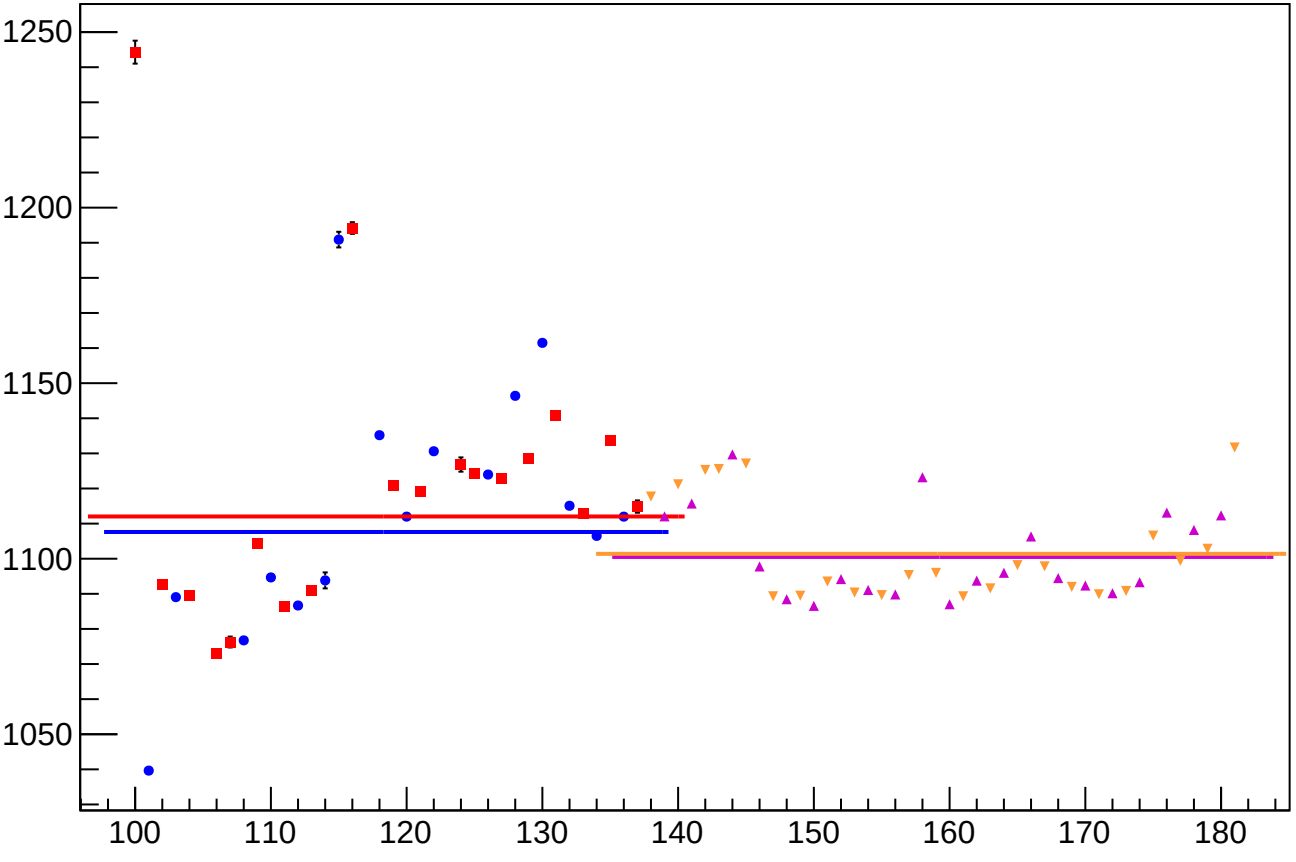
Left In: -2251.744+/-264.951 χ^2/NDF:28.9/20

+ sign 2279.273+/-218.149 χ^2/NDF: 25.5/38

All: 72.910+/-155.535 χ^2/NDF: 275.8/78

- sign -2208.259+/-221.816 χ^2/NDF: 42.3/39

eigen_dit_asym_usr_rms vs Slug



Right In: 1107.613+/-0.291 χ^2/NDF: 13220.7/15

Left Out: 1101.391+/-0.182 χ^2/NDF:5868.8/22

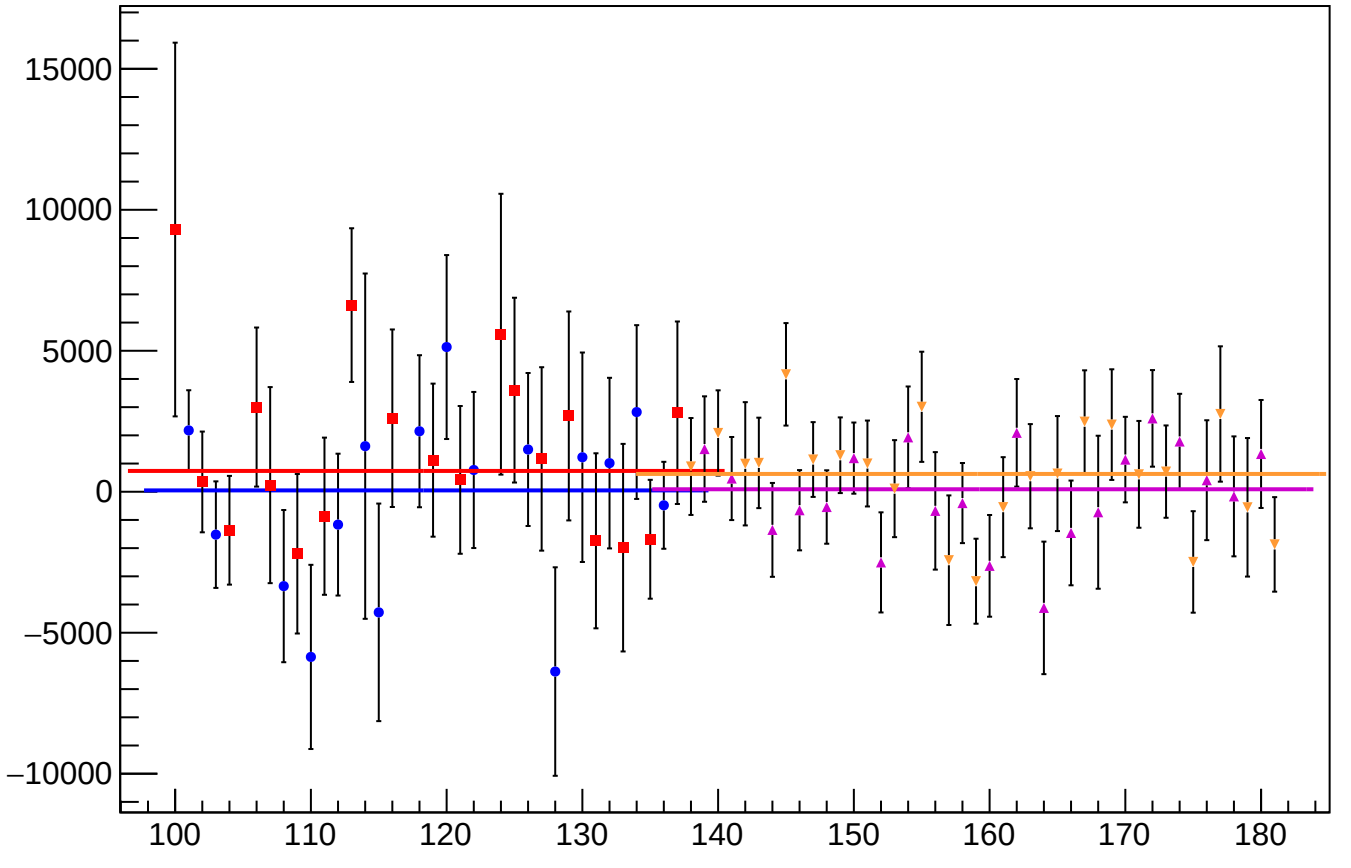
Right Out: 1112.029+/-0.287 χ^2/NDF: 8653.5/18

Left In: 1100.502+/-0.187 χ^2/NDF:4481.1/20

+ sign 1103.139+/-0.154 χ^2/NDF: 19418.2/38

All: 1103.538+/-0.110 χ^2/NDF: 33698.6/78

- sign 1103.950+/-0.157 χ^2/NDF: 14266.8/39



Right In: 47.813+/-628.059 χ^2/NDF: 16.9/15

Left Out: 631.444+/-364.463 χ^2/NDF:23.5/22

Right Out: 738.188+/-647.795 χ^2/NDF: 14.9/18

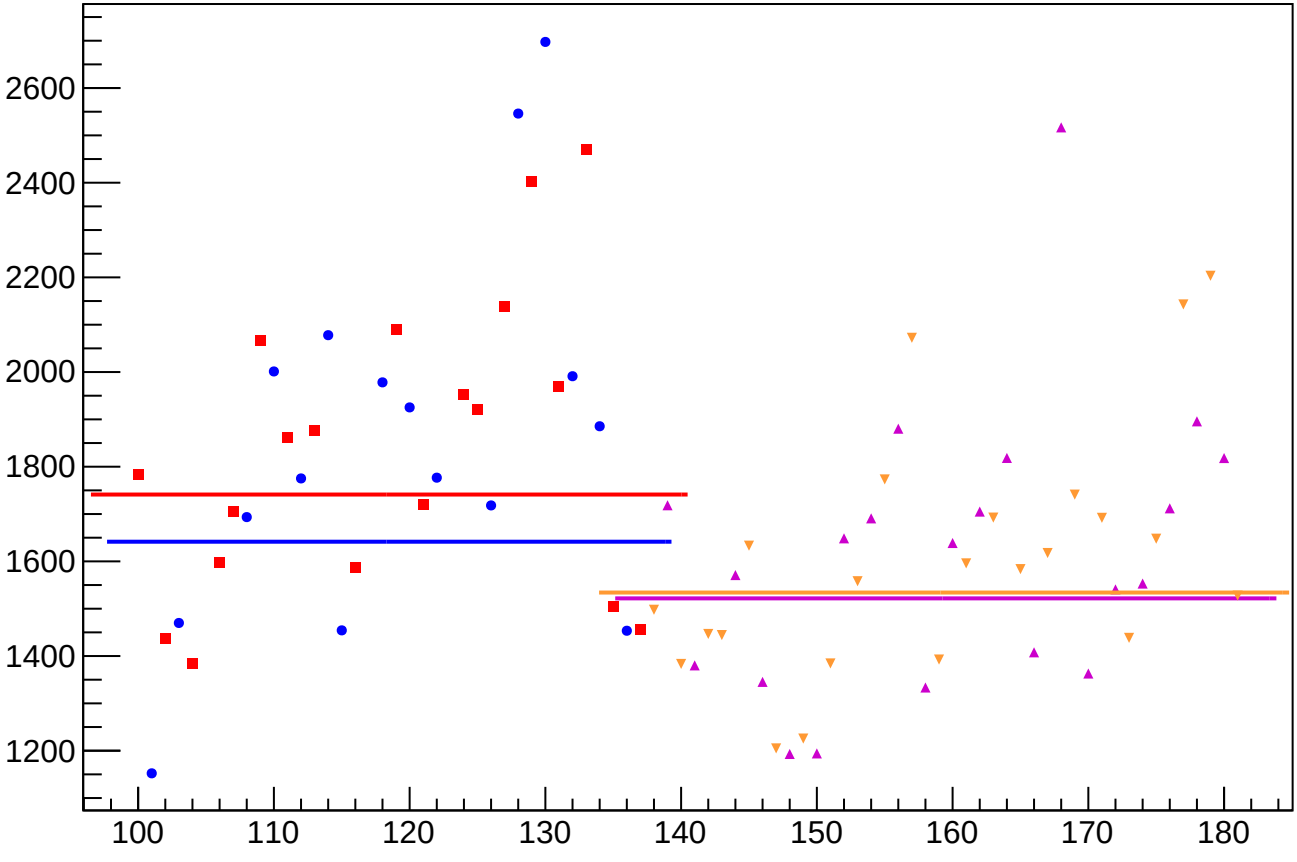
Left In: 88.182+/-372.726 χ^2/NDF:17.6/20

\+ sign 484.418+/-315.231 χ^2/NDF: 41.0/38

All: 370.013+/-225.621 χ^2/NDF: 74.6/78

\- sign 249.850+/-323.066 χ^2/NDF: 33.3/39

asym_usr_eigen_dit_correction_rms vs Slug



Right In: 1641.536+/-0.444 χ^2/NDF: 701299.1/15

Left Out: 1534.149+/-0.258 χ^2/NDF:792723.7/22

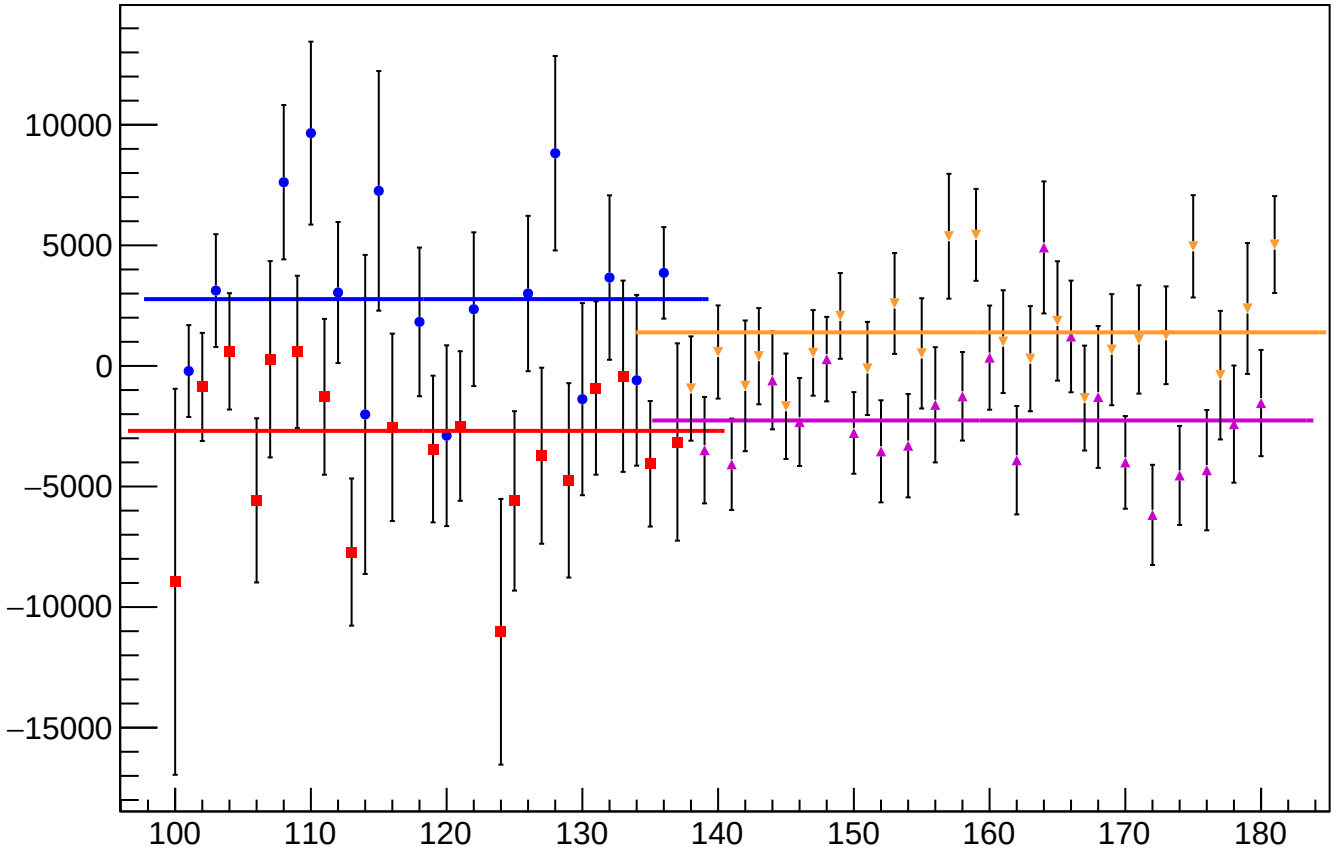
Right Out: 1741.199+/-0.458 χ^2/NDF: 438324.1/18

Left In: 1521.807+/-0.264 χ^2/NDF:941301.9/20

+ sign 1561.201+/-0.223 χ^2/NDF: 1537763.3/38

All: 1568.601+/-0.160 χ^2/NDF: 3091994.5/78

- sign 1576.374+/-0.228 χ^2/NDF: 1551971.4/39



Right In: 2769.952+/-757.109 χ^2/NDF: 16.4/15

Left Out: 1391.420+/-446.926 χ^2/NDF:21.2/22

Right Out: -2692.625+/-765.754 χ^2/NDF: 12.5/18

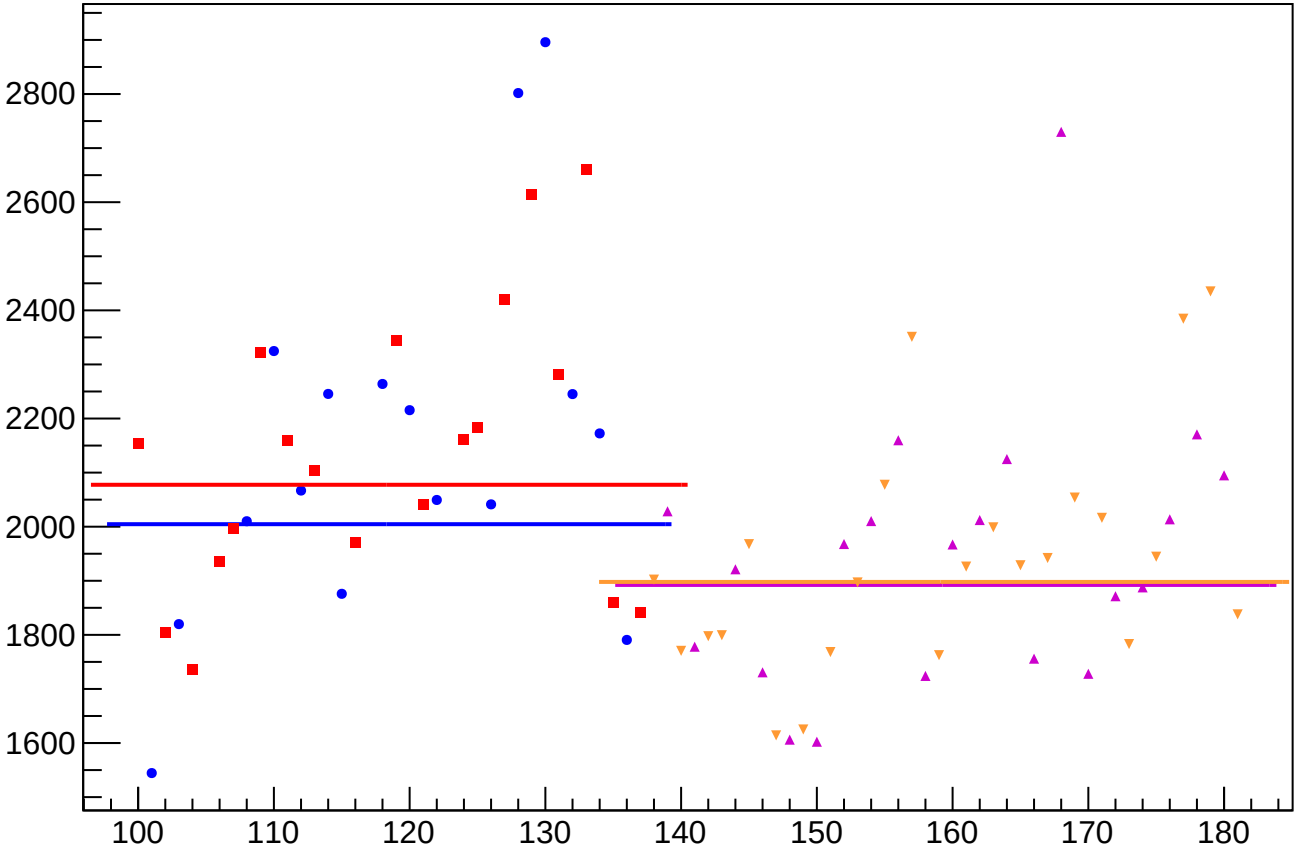
Left In: -2262.331+/-459.369 χ^2/NDF:22.7/20

+ sign 1747.652+/-384.872 χ^2/NDF: 40.1/38

All: -266.346+/-275.290 χ^2/NDF: 131.7/78

- sign -2376.202+/-393.925 χ^2/NDF: 35.5/39

asym_usr_rms vs Slug



Right In: 2004.635+/-0.535 χ^2/NDF: 387567.3/15

Left Out: 1897.885+/-0.316 χ^2/NDF:384037.6/22

Right Out: 2077.500+/-0.541 χ^2/NDF: 230482.0/18

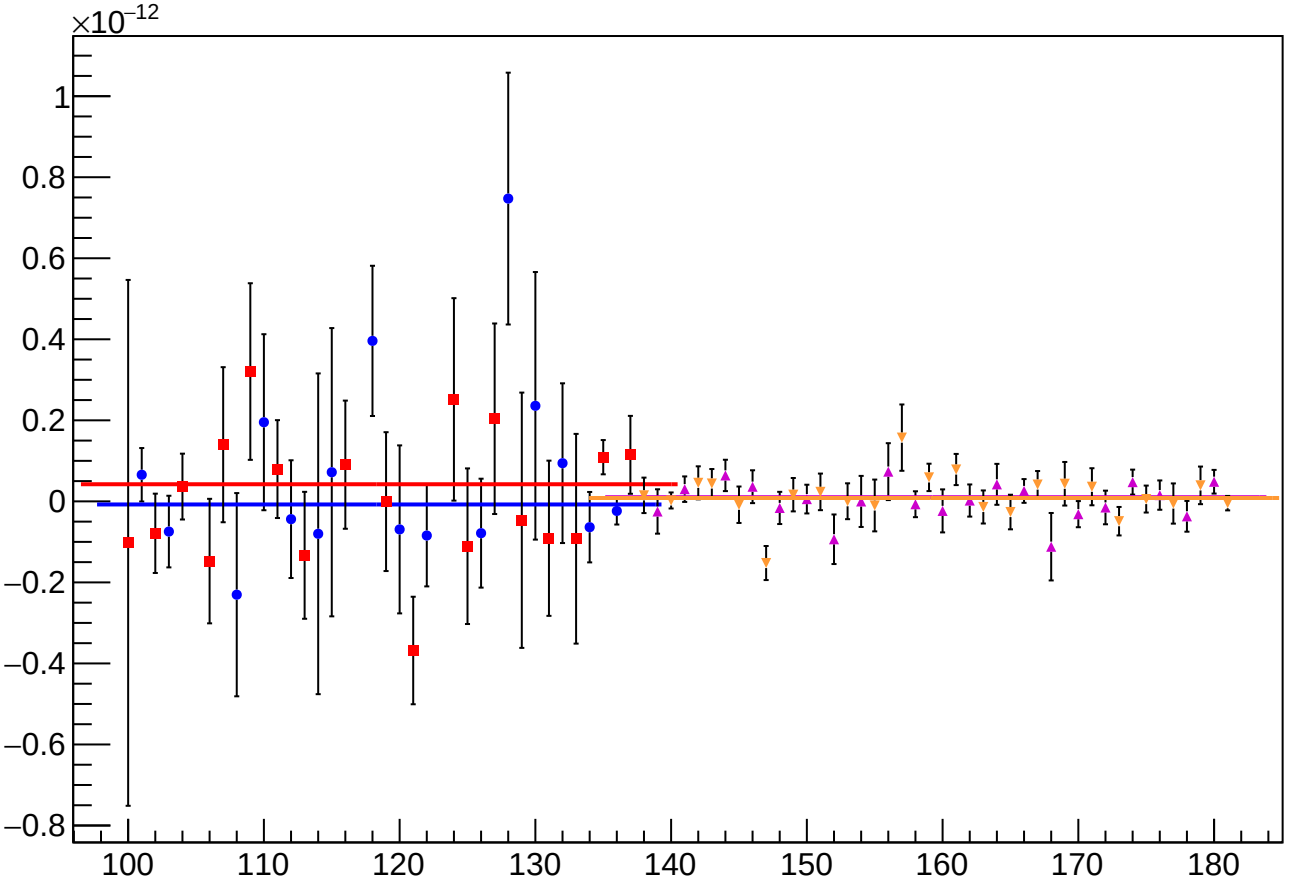
Left In: 1892.331+/-0.325 χ^2/NDF:447941.7/20

+ sign 1925.471+/-0.272 χ^2/NDF: 801090.5/38

All: 1933.218+/-0.195 χ^2/NDF: 1567172.4/78

- sign 1941.333+/-0.279 χ^2/NDF: 764422.7/39

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:32.3/22

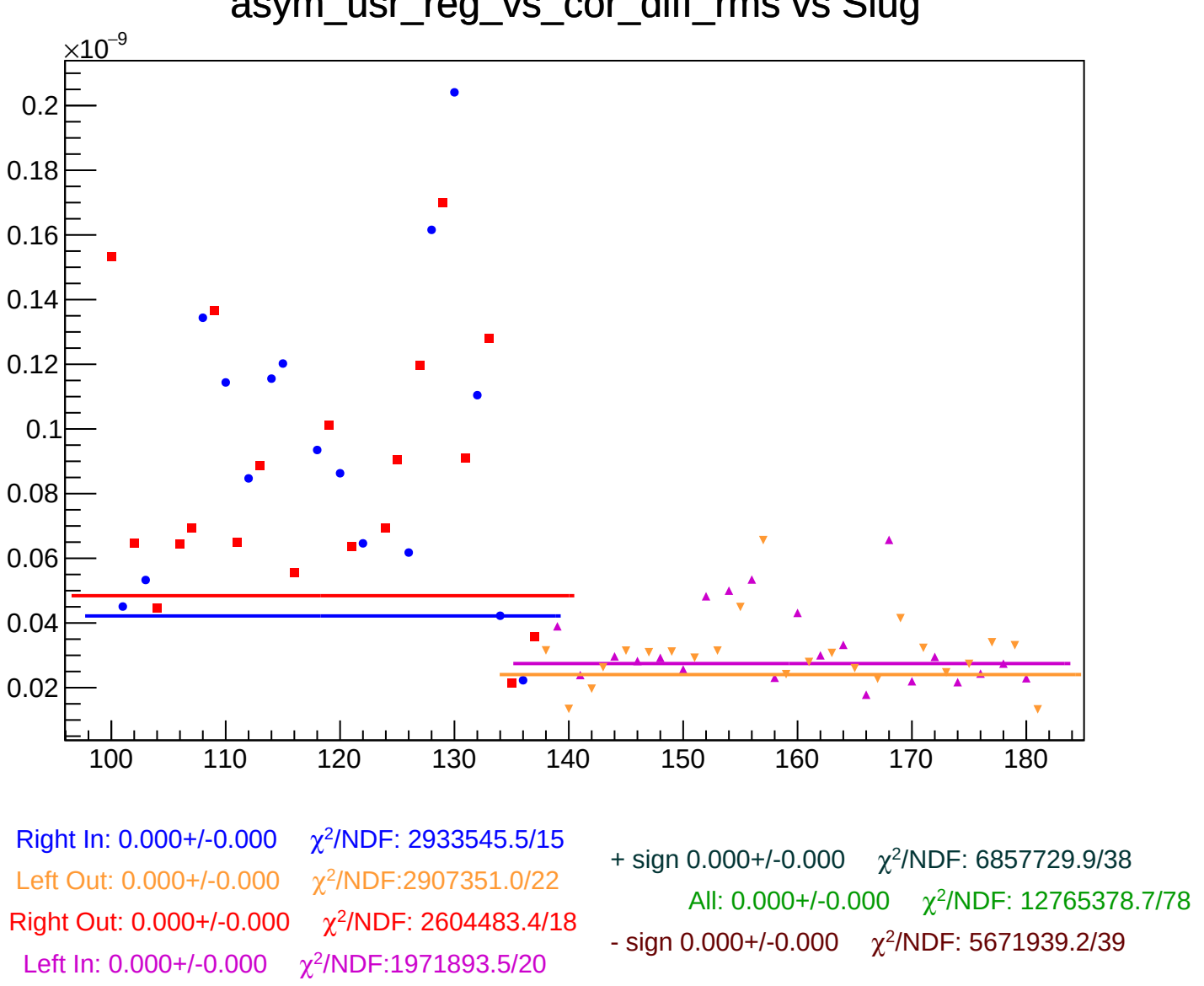
Right Out: 0.000+/-0.000 χ^2/NDF: 21.8/18

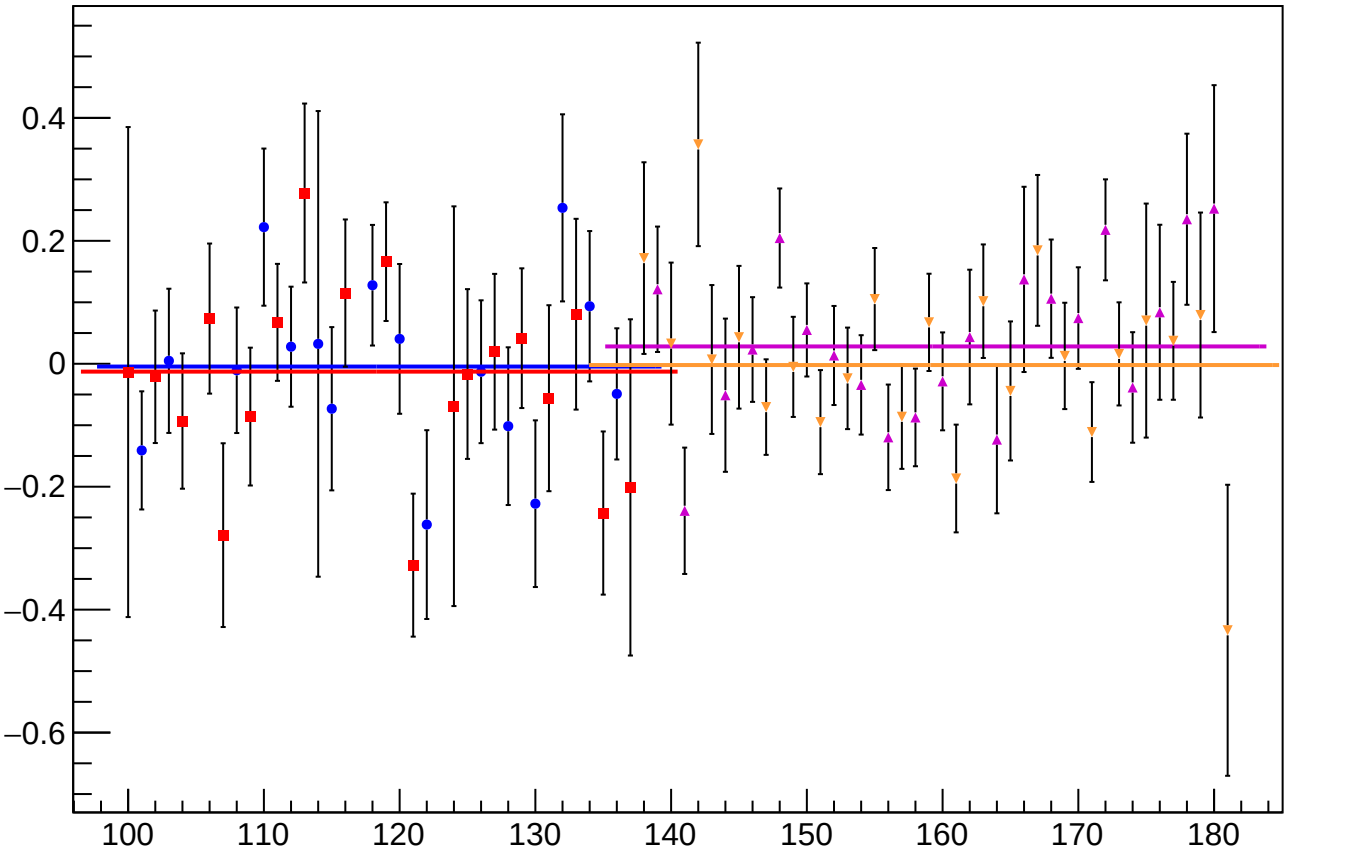
Left In: 0.000+/-0.000 χ^2/NDF:17.7/20

+ sign 0.000+/-0.000 χ^2/NDF: 49.1/38

All: 0.000+/-0.000 χ^2/NDF: 90.2/78

- sign 0.000+/-0.000 χ^2/NDF: 40.7/39


asym_usr_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
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2933545.5/15
Left Out: 0.000+/-0.000 χ²/NDF:2907351.0/22
Right Out: 0.000+/-0.000 χ²/NDF: 2604483.4/18
Left In: 0.000+/-0.000 χ²/NDF:1971893.5/20
+ sign 0.000+/-0.000 χ²/NDF: 6857729.9/38
All: 0.000+/-0.000 χ²/NDF: 12765378.7/78
- sign 0.000+/-0.000 χ²/NDF: 5671939.2/39



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: -0.002+/-0.021 χ^2/NDF:25.6/22

Right Out: -0.013+/-0.030 χ^2/NDF: 25.5/18

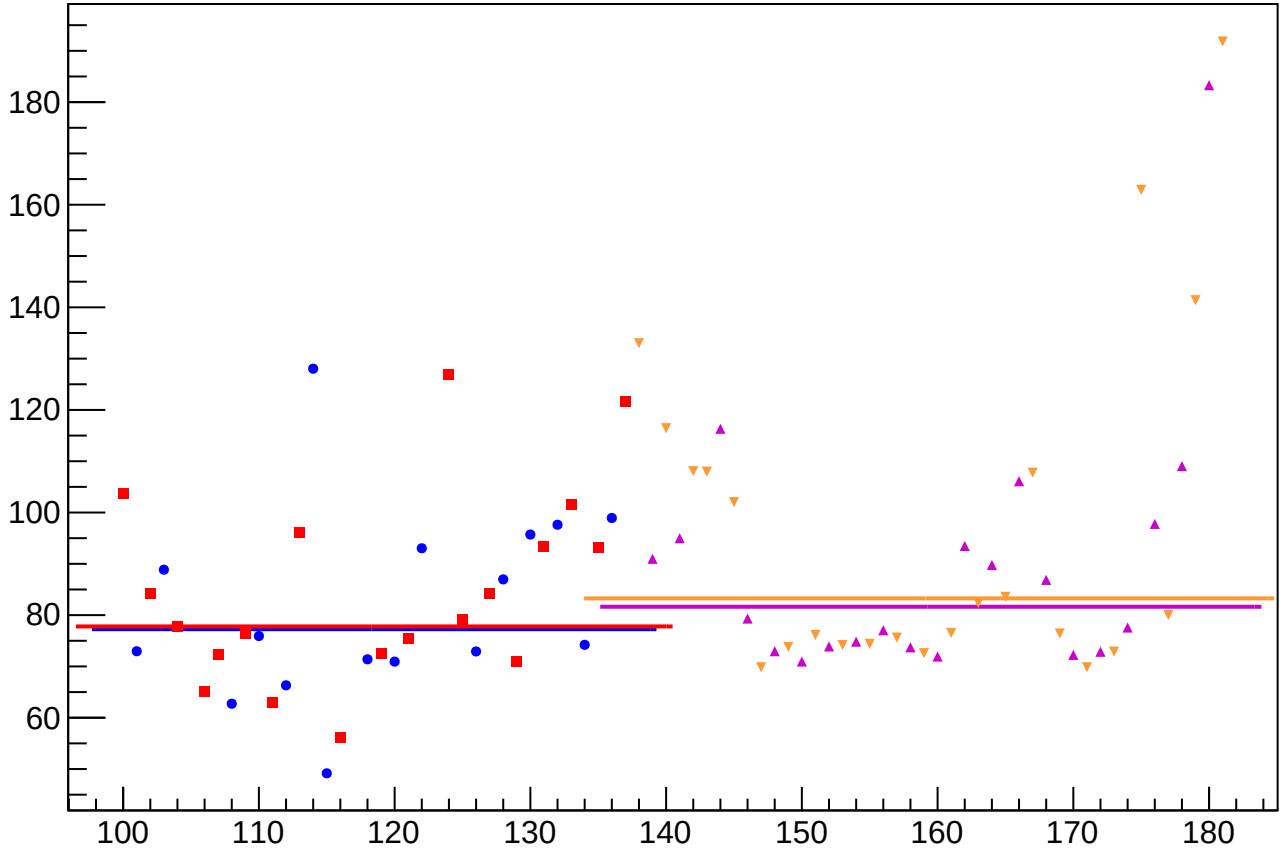
Left In: 0.028+/-0.021 χ^2/NDF:31.7/20

+ sign -0.003+/-0.017 χ^2/NDF: 42.9/38

All: 0.006+/-0.012 χ^2/NDF: 101.9/78

- sign 0.015+/-0.017 χ^2/NDF: 58.5/39

asym_usr_dit_vs_cor_diff_rms vs Slug



Right In: 77.259+/-0.021 χ^2/NDF: 419290.2/15

Left Out: 83.267+/-0.015 χ^2/NDF:1916901.2/22

Right Out: 77.796+/-0.021 χ^2/NDF: 396477.1/18

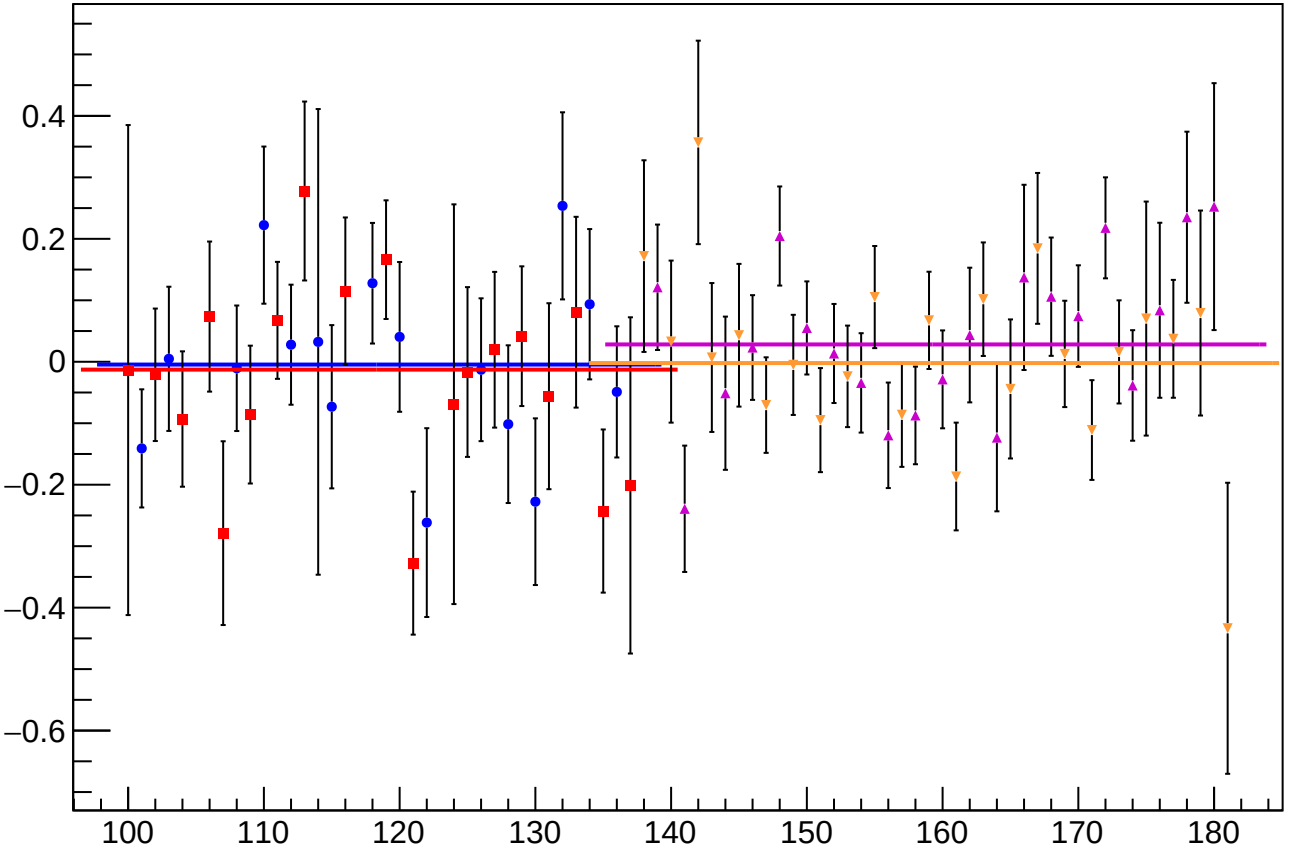
Left In: 81.634+/-0.015 χ^2/NDF:1117405.3/20

+ sign 81.334+/-0.012 χ^2/NDF: 2390412.6/38

All: 80.855+/-0.009 χ^2/NDF: 3929877.7/78

- sign 80.379+/-0.012 χ^2/NDF: 1536320.4/39

asym_usr_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: -0.002+/-0.021 χ^2/NDF:25.6/22

Right Out: -0.013+/-0.030 χ^2/NDF: 25.5/18

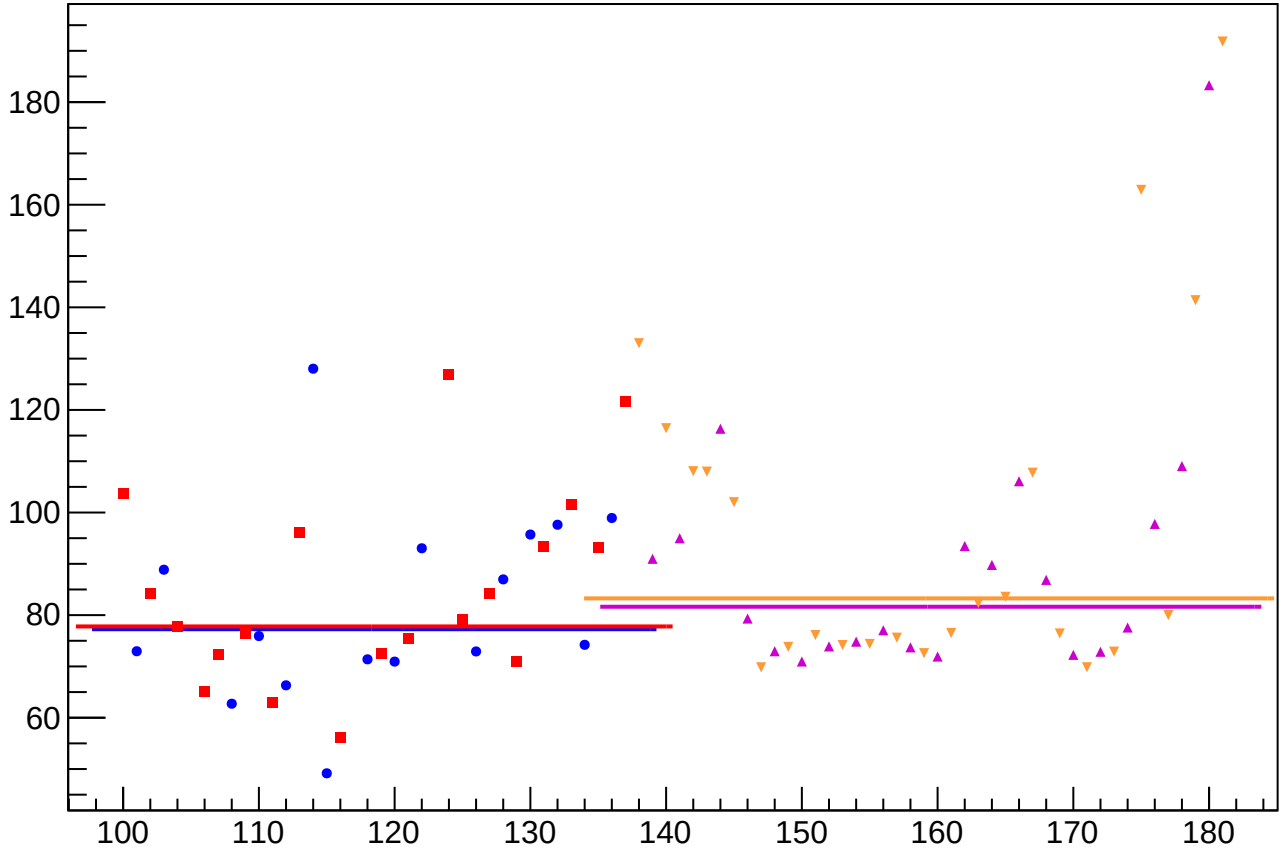
Left In: 0.028+/-0.021 χ^2/NDF:31.7/20

+ sign -0.003+/-0.017 χ^2/NDF: 42.9/38

All: 0.006+/-0.012 χ^2/NDF: 101.9/78

- sign 0.015+/-0.017 χ^2/NDF: 58.5/39

asym_usr_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 77.259+/-0.021 χ^2/NDF: 419290.2/15

Left Out: 83.267+/-0.015 χ^2/NDF:1916901.2/22

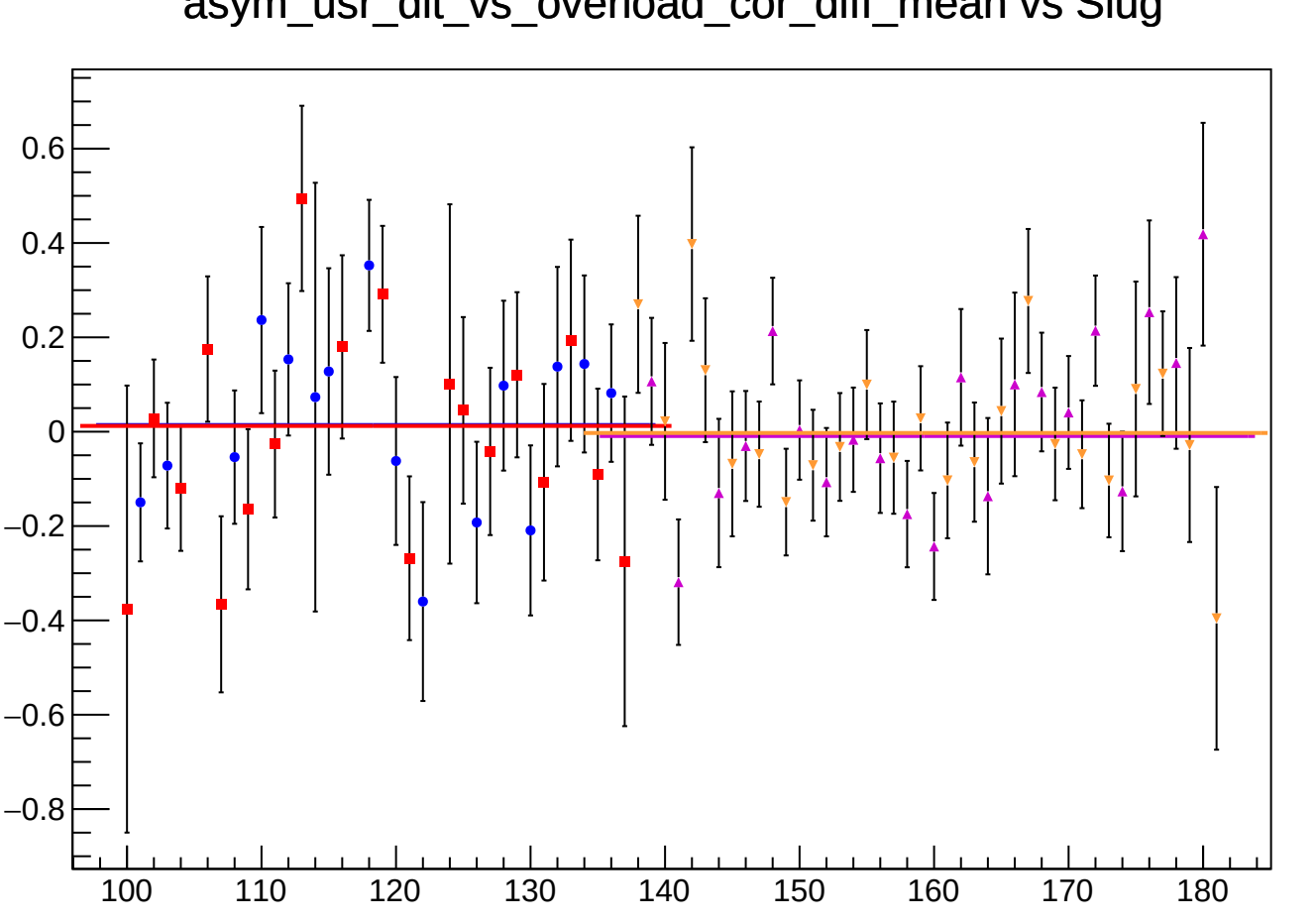
Right Out: 77.796+/-0.021 χ^2/NDF: 396477.1/18

Left In: 81.634+/-0.015 χ^2/NDF:1117405.3/20

+ sign 81.334+/-0.012 χ^2/NDF: 2390412.6/38

All: 80.855+/-0.009 χ^2/NDF: 3929877.7/78

- sign 80.379+/-0.012 χ^2/NDF: 1536320.4/39



Right In: 0.014+/-0.042 χ^2/NDF: 18.2/15

Left Out: -0.003+/-0.028 χ^2/NDF:18.5/22

Right Out: 0.012+/-0.041 χ^2/NDF: 23.8/18

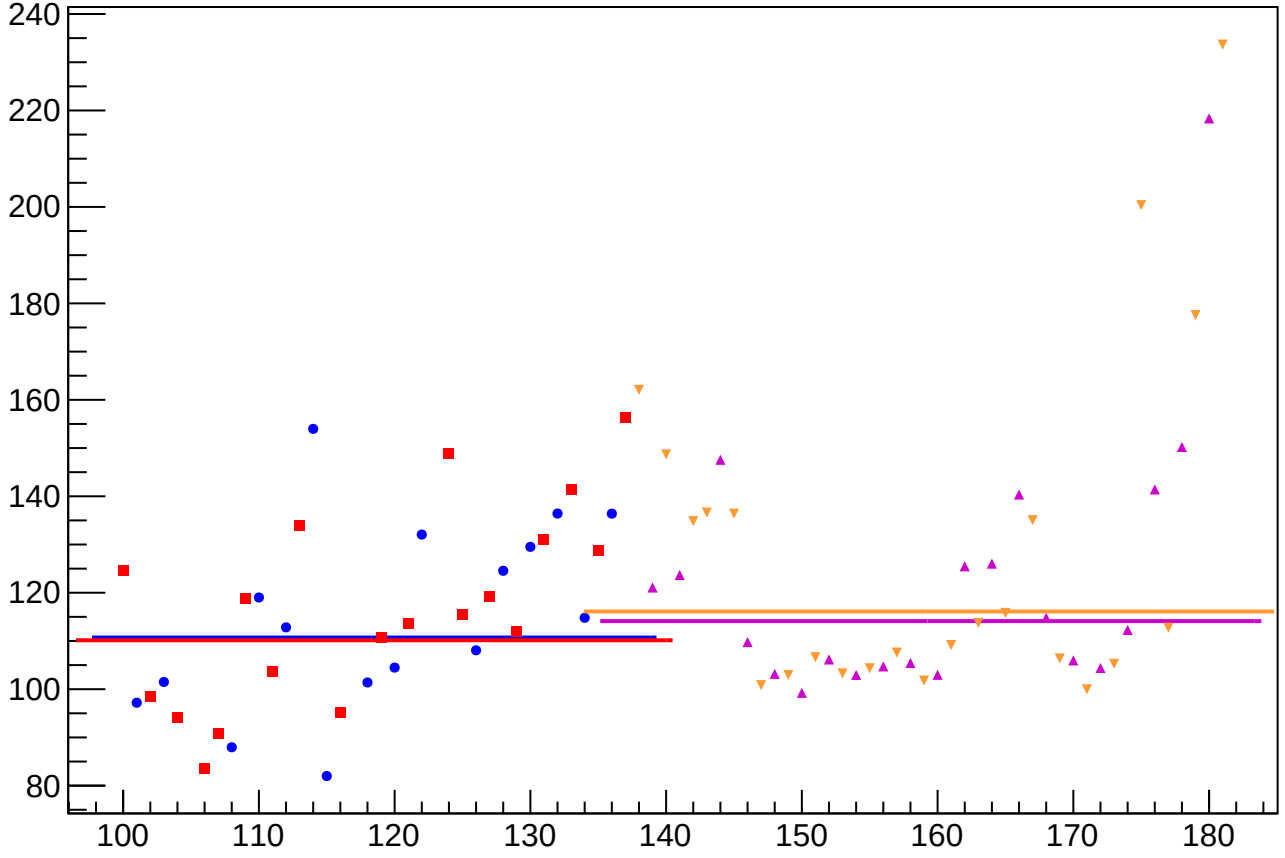
Left In: -0.009+/-0.028 χ^2/NDF:30.7/20

+ sign 0.002+/-0.023 χ^2/NDF: 36.8/38

All: 0.000+/-0.017 χ^2/NDF: 91.5/78

- sign -0.002+/-0.023 χ^2/NDF: 54.6/39

asym_usr_dit_vs_overload_cor_diff_rms vs Slug



Right In: 110.714+/-0.030 χ^2/NDF: 299972.8/15

Left Out: 116.117+/-0.020 χ^2/NDF:1369488.5/22

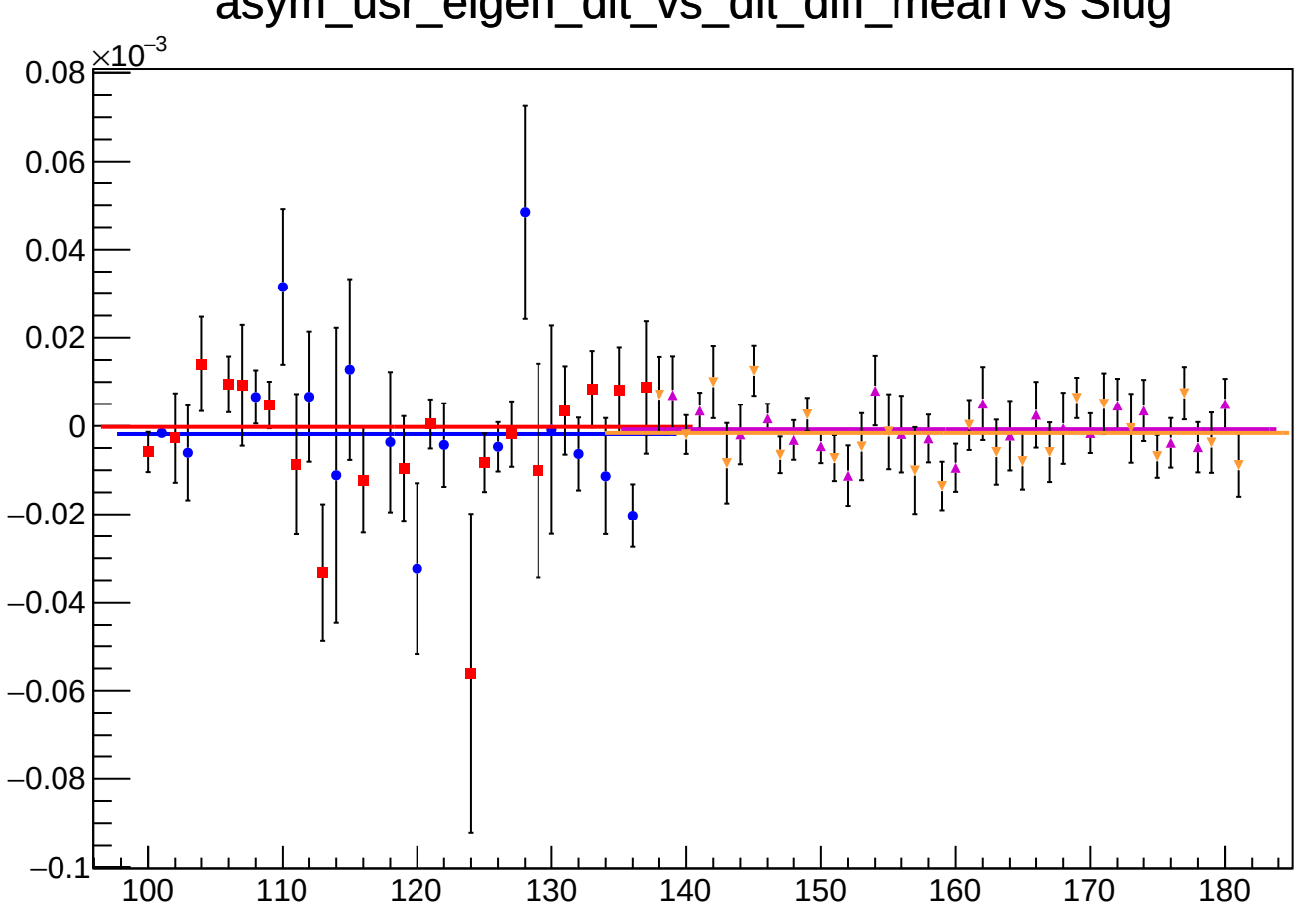
Right Out: 110.145+/-0.029 χ^2/NDF: 326726.5/18

Left In: 114.121+/-0.020 χ^2/NDF:832537.4/20

+ sign 114.448+/-0.017 χ^2/NDF: 1692039.1/38

All: 113.643+/-0.012 χ^2/NDF: 2868556.3/78

- sign 112.842+/-0.017 χ^2/NDF: 1171831.5/39



Right In: -0.000+/-0.000 χ^2/NDF: 21.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:29.8/22

Right Out: -0.000+/-0.000 χ^2/NDF: 19.9/18

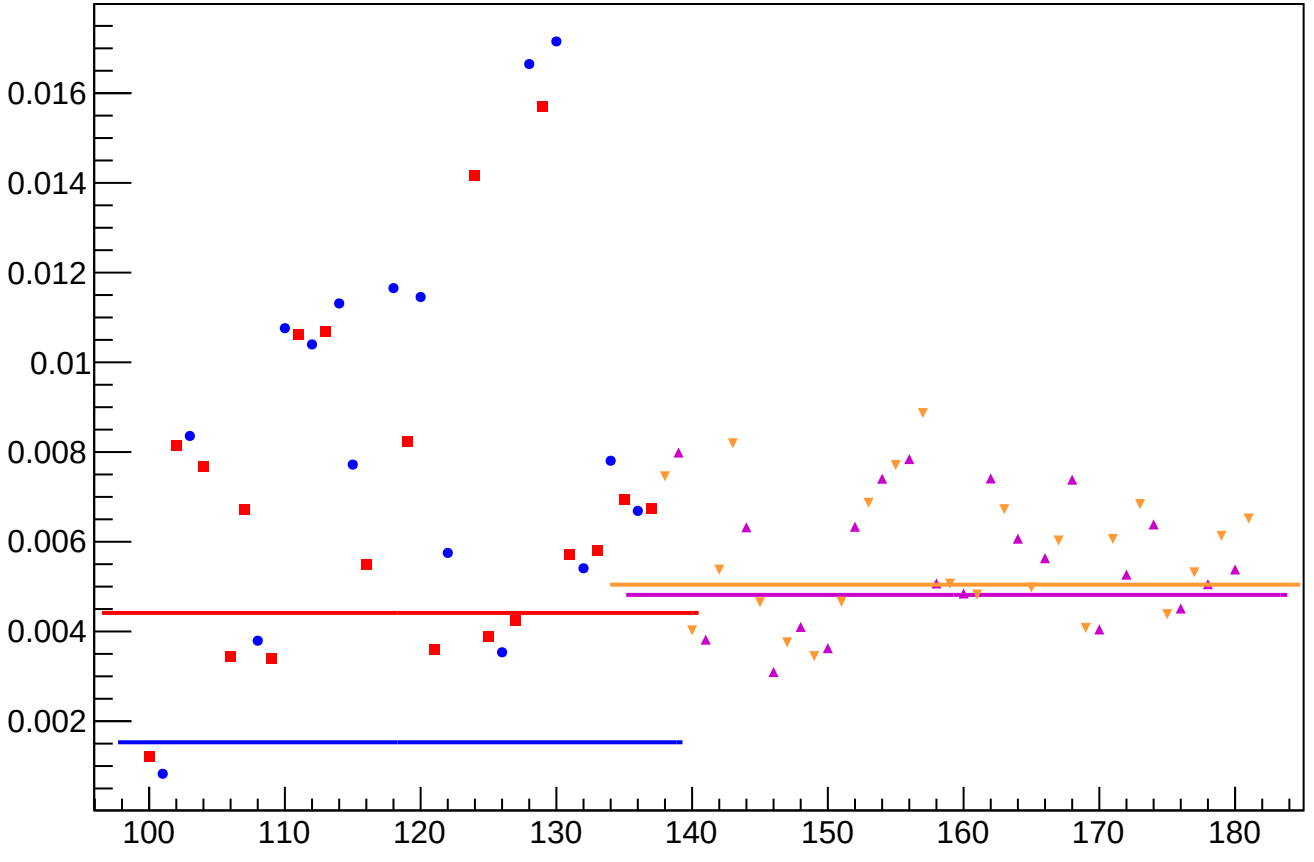
Left In: -0.000+/-0.000 χ^2/NDF:13.8/20

+ sign -0.000+/-0.000 χ^2/NDF: 51.2/38

All: -0.000+/-0.000 χ^2/NDF: 85.8/78

- sign -0.000+/-0.000 χ^2/NDF: 33.8/39

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:2262875.6/22

Right Out: 0.004+/-0.000 χ^2/NDF: 3388069.5/18

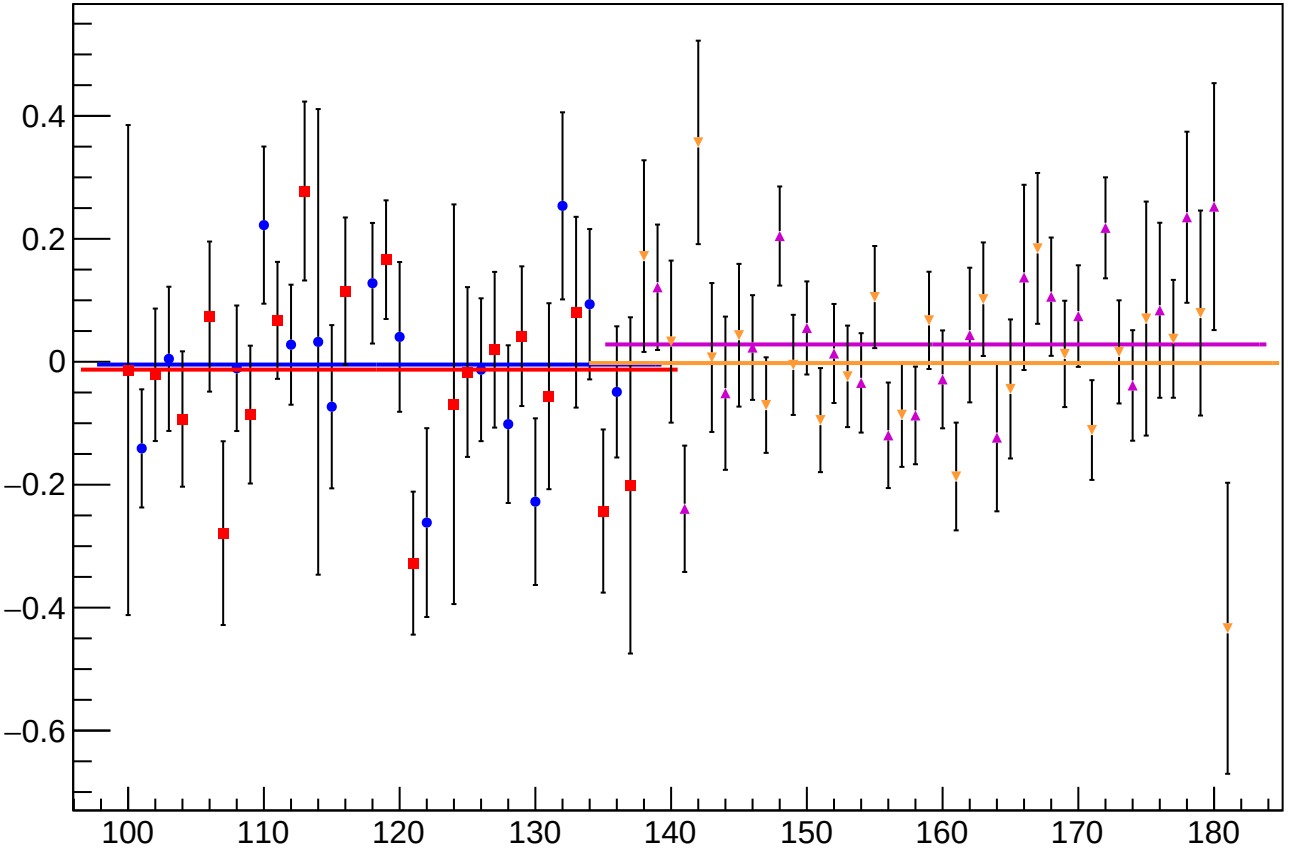
Left In: 0.005+/-0.000 χ^2/NDF:2501303.6/20

\+ sign 0.003+/-0.000 χ^2/NDF: 21495661.5/38

All: 0.004+/-0.000 χ^2/NDF: 31508831.6/78

\- sign 0.005+/-0.000 χ^2/NDF: 5951867.0/39

asym_usr_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: -0.002+/-0.021 χ^2/NDF:25.6/22

Right Out: -0.013+/-0.030 χ^2/NDF: 25.5/18

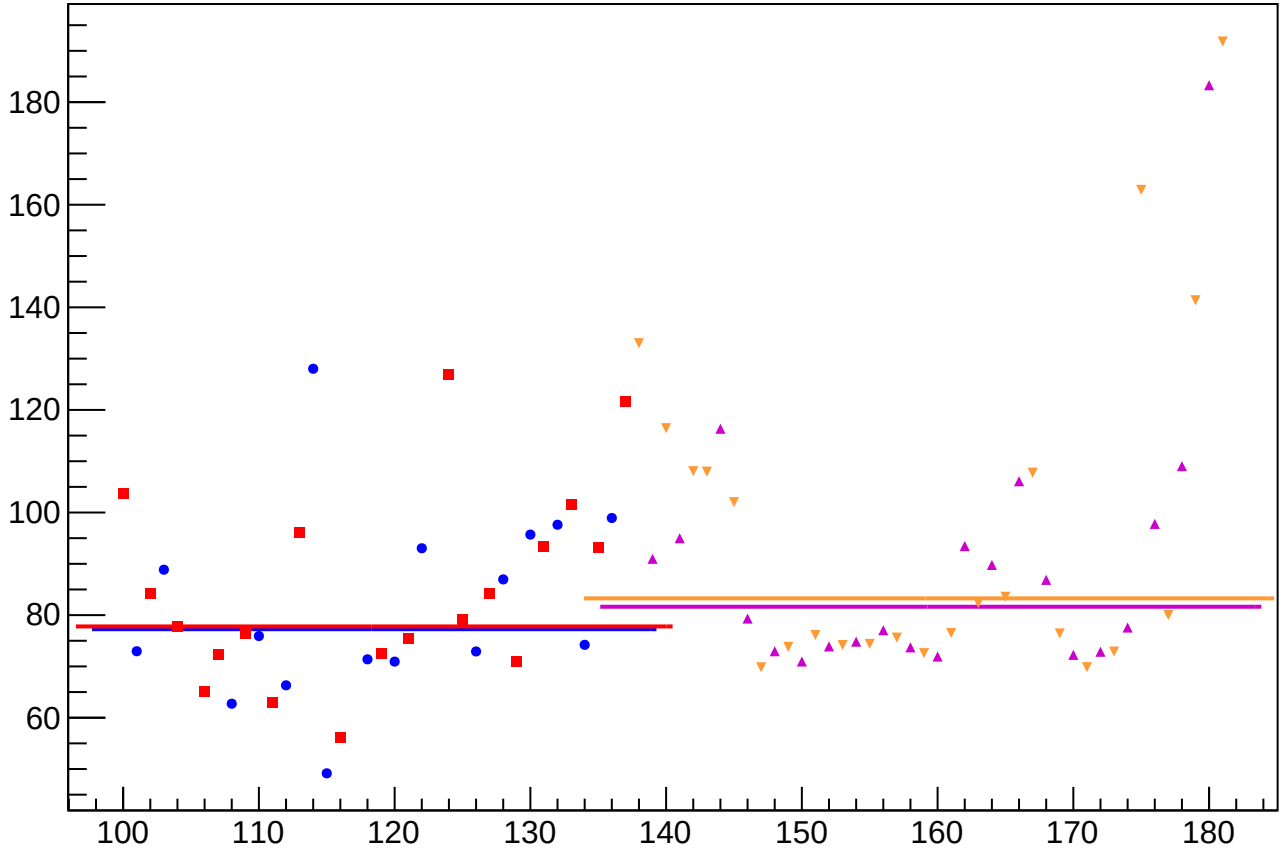
Left In: 0.028+/-0.021 χ^2/NDF:31.7/20

+ sign -0.003+/-0.017 χ^2/NDF: 42.9/38

All: 0.006+/-0.012 χ^2/NDF: 101.9/78

- sign 0.015+/-0.017 χ^2/NDF: 58.5/39

asym_usr_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 77.257+/-0.021 χ^2/NDF: 419276.8/15

Left Out: 83.268+/-0.015 χ^2/NDF:1916898.0/22

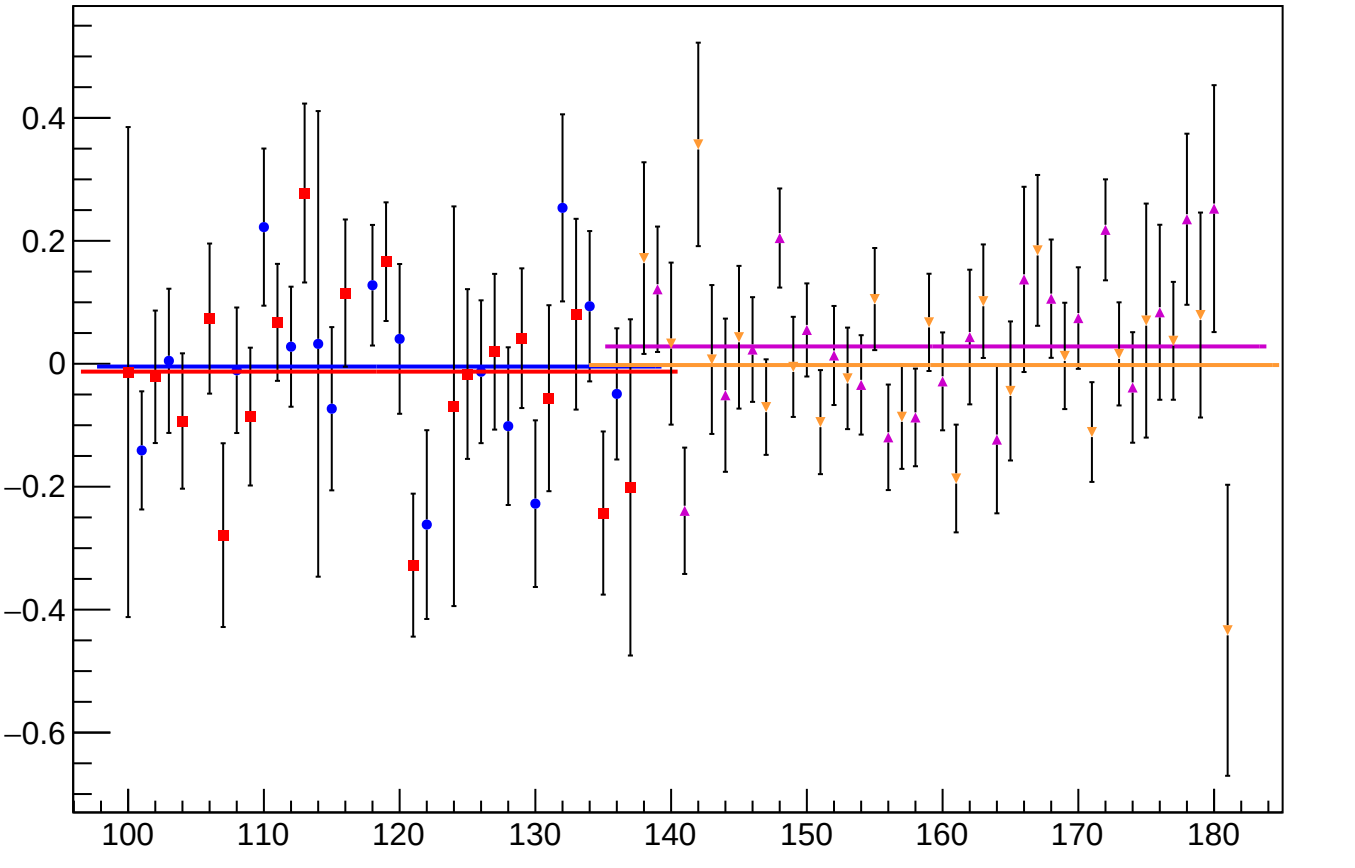
Right Out: 77.795+/-0.021 χ^2/NDF: 396473.9/18

Left In: 81.635+/-0.015 χ^2/NDF:1117400.4/20

+ sign 81.333+/-0.012 χ^2/NDF: 2390437.1/38

All: 80.855+/-0.009 χ^2/NDF: 3929919.5/78

- sign 80.379+/-0.012 χ^2/NDF: 1536337.1/39



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: -0.002+/-0.021 χ^2/NDF:25.6/22

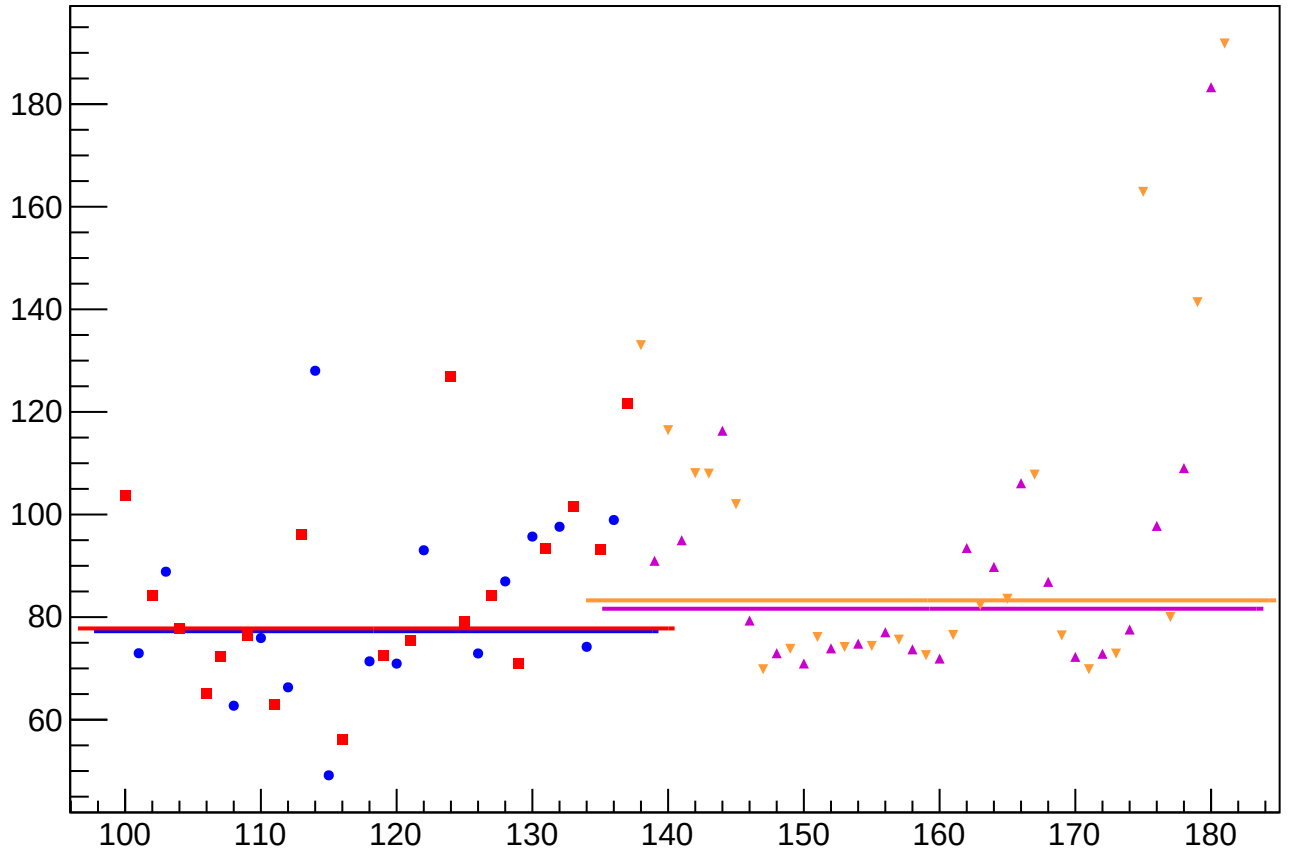
Right Out: -0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: 0.028+/-0.021 χ^2/NDF:31.7/20

+ sign -0.003+/-0.017 χ^2/NDF: 42.9/38

All: 0.006+/-0.012 χ^2/NDF: 101.9/78

- sign 0.015+/-0.017 χ^2/NDF: 58.5/39



Right In: 77.257+/-0.021 χ^2/NDF: 419276.8/15

Left Out: 83.268+/-0.015 χ^2/NDF:1916898.0/22

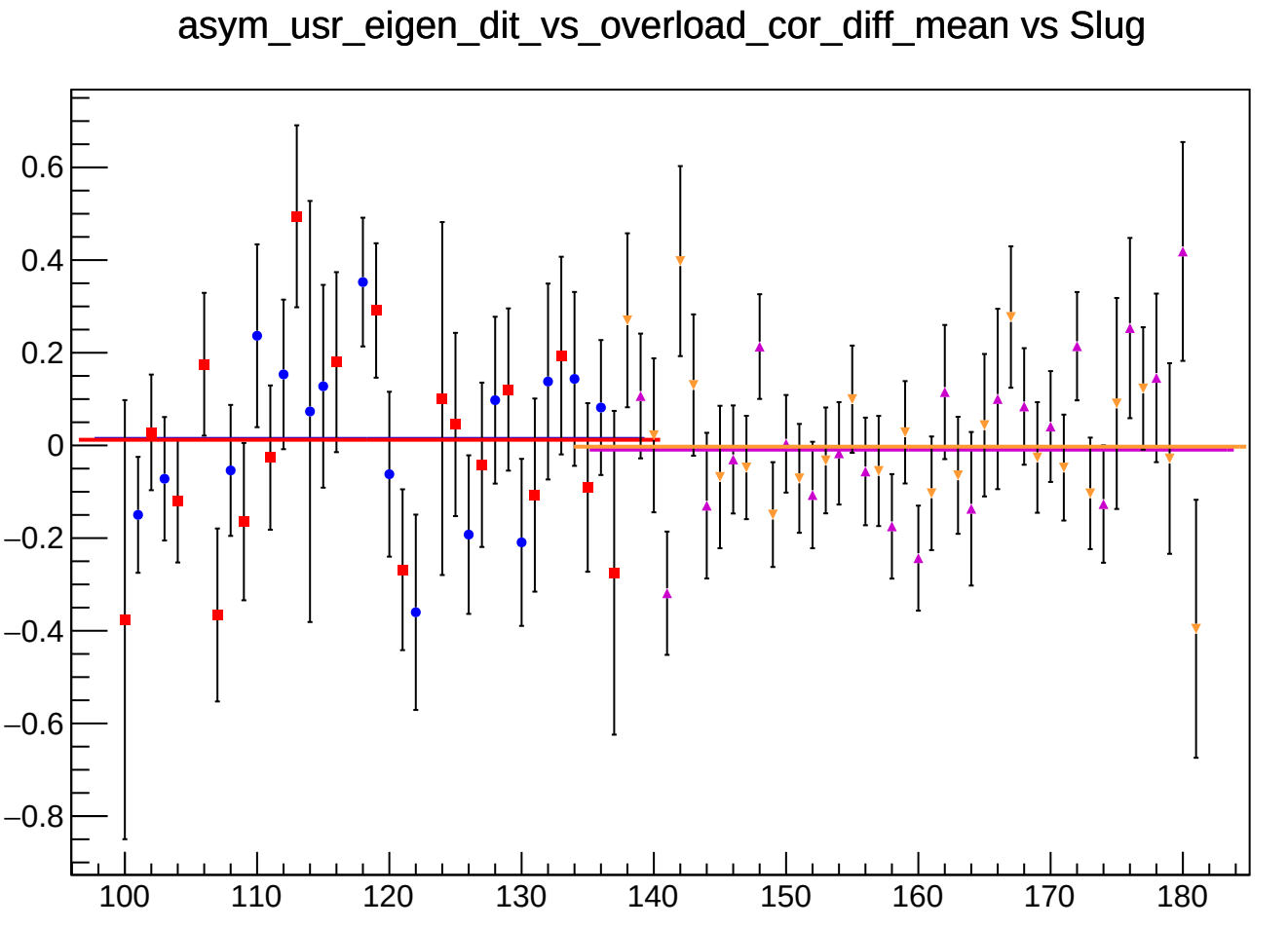
Right Out: 77.795+/-0.021 χ^2/NDF: 396473.9/18

Left In: 81.635+/-0.015 χ^2/NDF:1117400.4/20

+ sign 81.333+/-0.012 χ^2/NDF: 2390437.1/38

All: 80.855+/-0.009 χ^2/NDF: 3929919.5/78

- sign 80.379+/-0.012 χ^2/NDF: 1536337.1/39



Right In: 0.014+/-0.042 χ^2/NDF: 18.2/15

Left Out: -0.003+/-0.028 χ^2/NDF:18.5/22

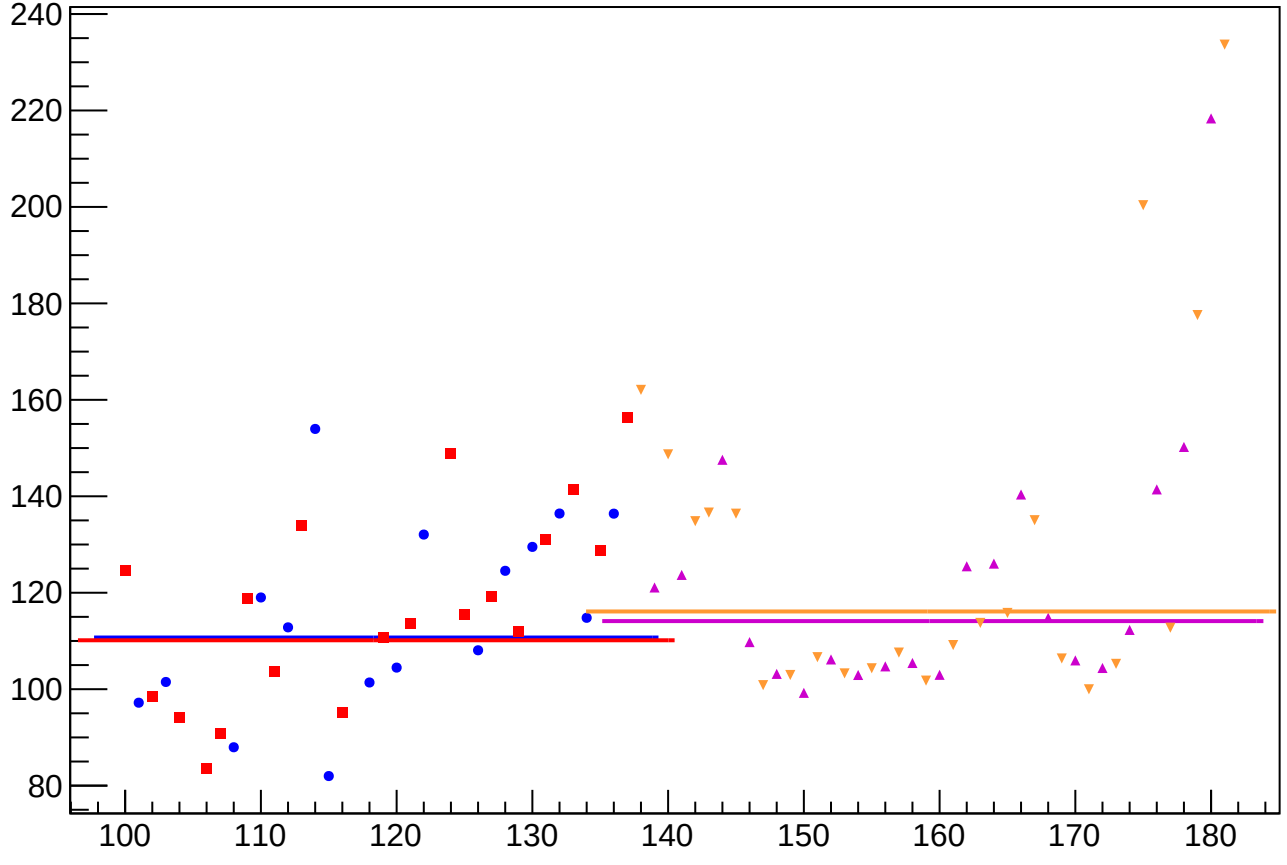
Right Out: 0.012+/-0.041 χ^2/NDF: 23.8/18

Left In: -0.009+/-0.028 χ^2/NDF:30.7/20

+ sign 0.002+/-0.023 χ^2/NDF: 36.8/38

All: 0.000+/-0.017 χ^2/NDF: 91.5/78

- sign -0.002+/-0.023 χ^2/NDF: 54.6/39



Right In: 110.714+/-0.030 χ^2/NDF: 299948.2/15

Left Out: 116.117+/-0.020 χ^2/NDF:1369485.1/22

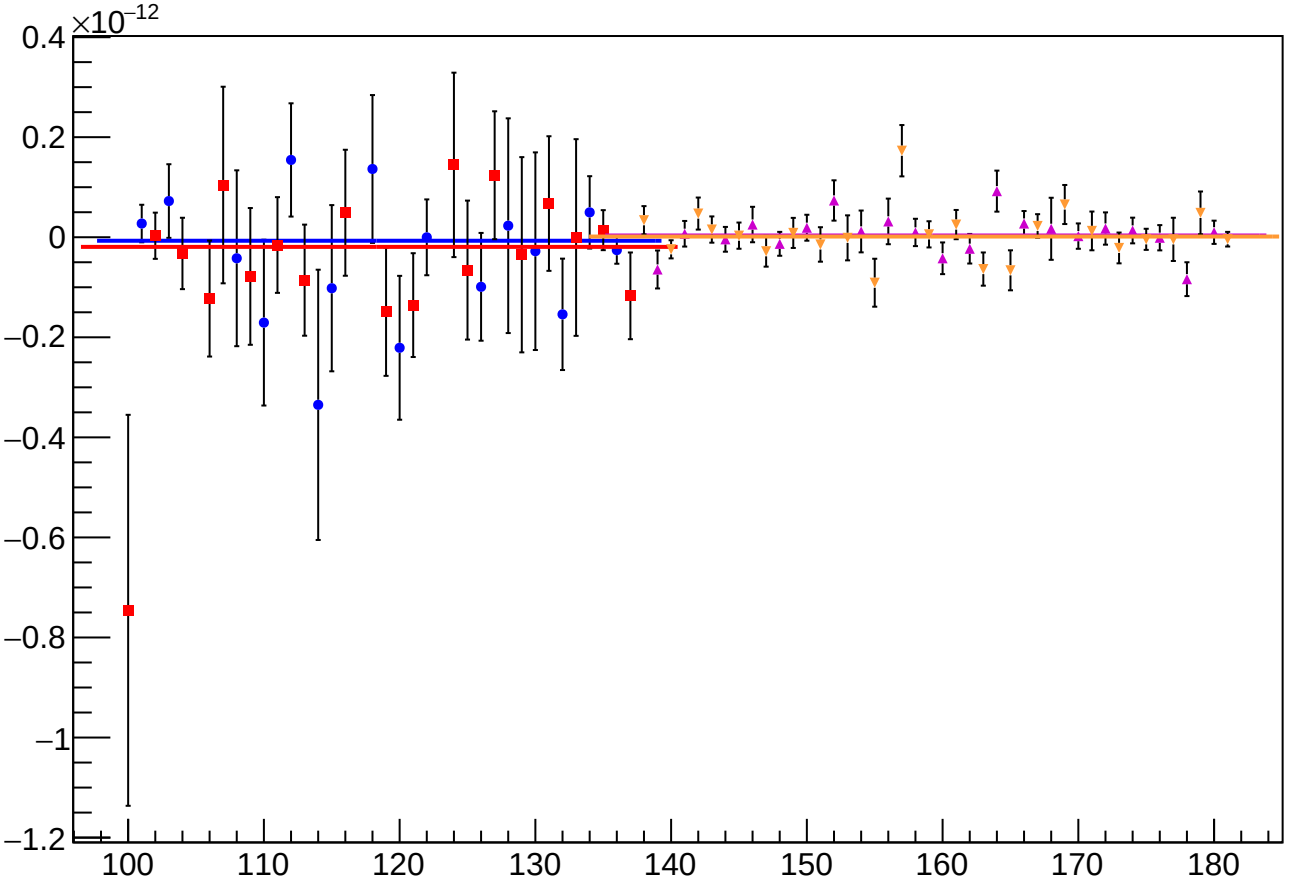
Right Out: 110.144+/-0.029 χ^2/NDF: 326696.7/18

Left In: 114.121+/-0.020 χ^2/NDF:832536.3/20

+ sign 114.448+/-0.017 χ^2/NDF: 1692022.9/38

All: 113.643+/-0.012 χ^2/NDF: 2868516.9/78

- sign 112.842+/-0.017 χ^2/NDF: 1171807.9/39



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

Left Out: 0.000+/-0.000 χ^2/NDF:34.7/22

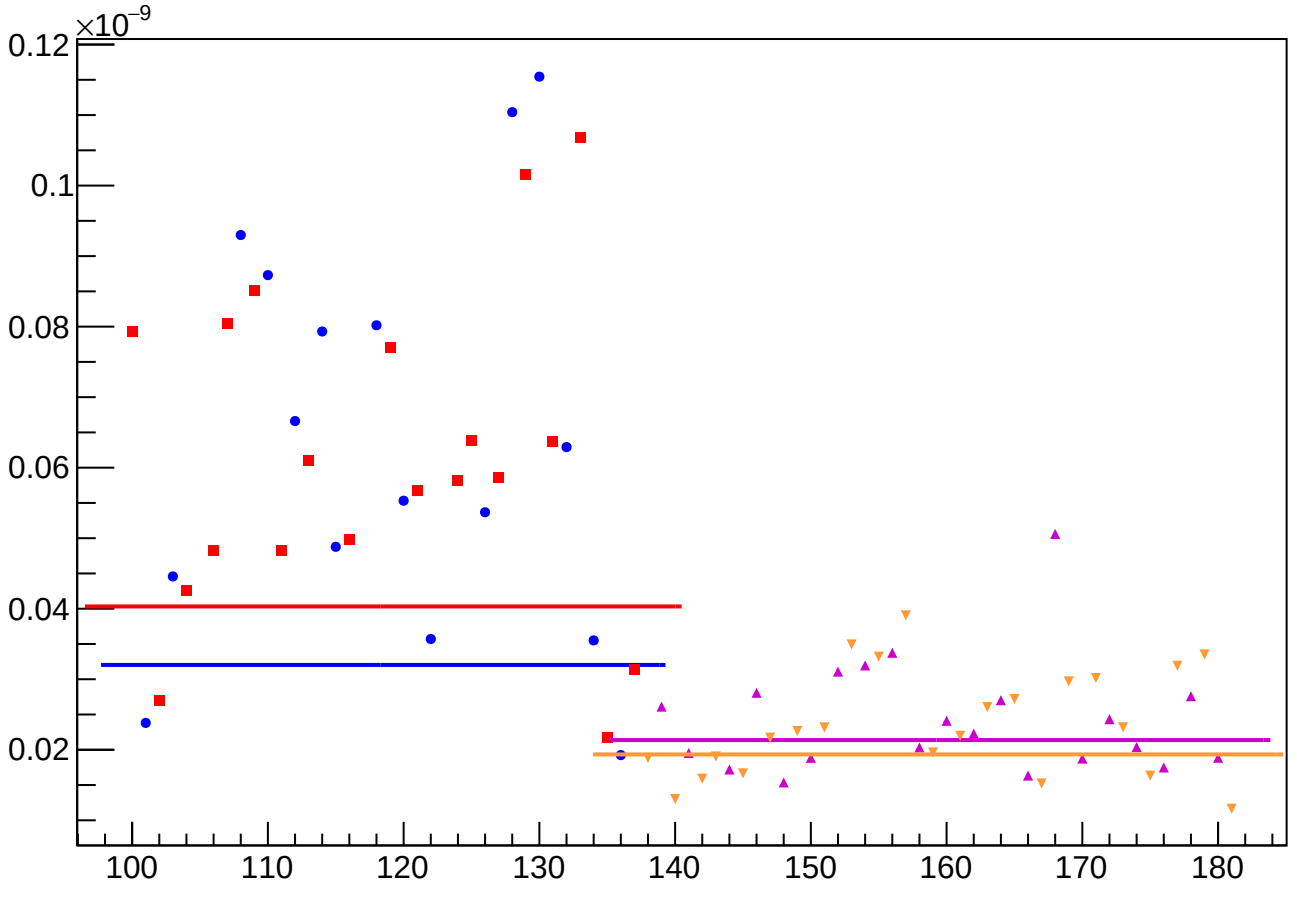
Right Out: -0.000+/-0.000 χ^2/NDF: 12.6/18

Left In: 0.000+/-0.000 χ^2/NDF:23.7/20

+ sign 0.000+/-0.000 χ^2/NDF: 48.5/38

All: 0.000+/-0.000 χ^2/NDF: 85.8/78

- sign 0.000+/-0.000 χ^2/NDF: 37.3/39



Right In: 0.000+/-0.000 χ^2/NDF: 2459312.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:2601615.8/22

Right Out: 0.000+/-0.000 χ^2/NDF: 1866332.6/18

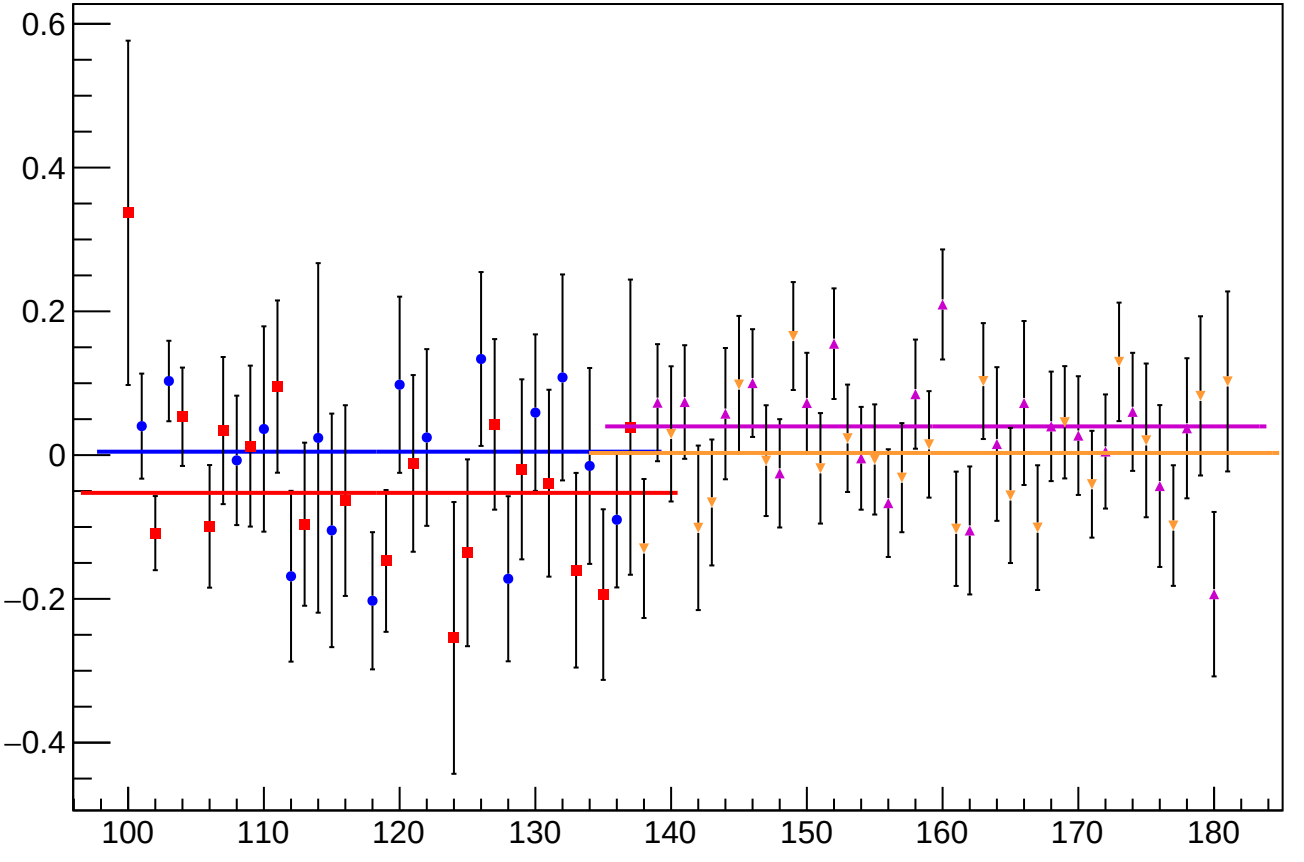
Left In: 0.000+/-0.000 χ^2/NDF:1469542.8/20

+ sign 0.000+/-0.000 χ^2/NDF: 5966484.9/38

All: 0.000+/-0.000 χ^2/NDF: 10942964.5/78

- sign 0.000+/-0.000 χ^2/NDF: 4807094.1/39

asym_usr_overload_cor_vs_cor_diff_mean vs Slug



Right In: 0.005+/-0.026 χ^2/NDF: 16.6/15

Left Out: 0.003+/-0.018 χ^2/NDF:20.3/22

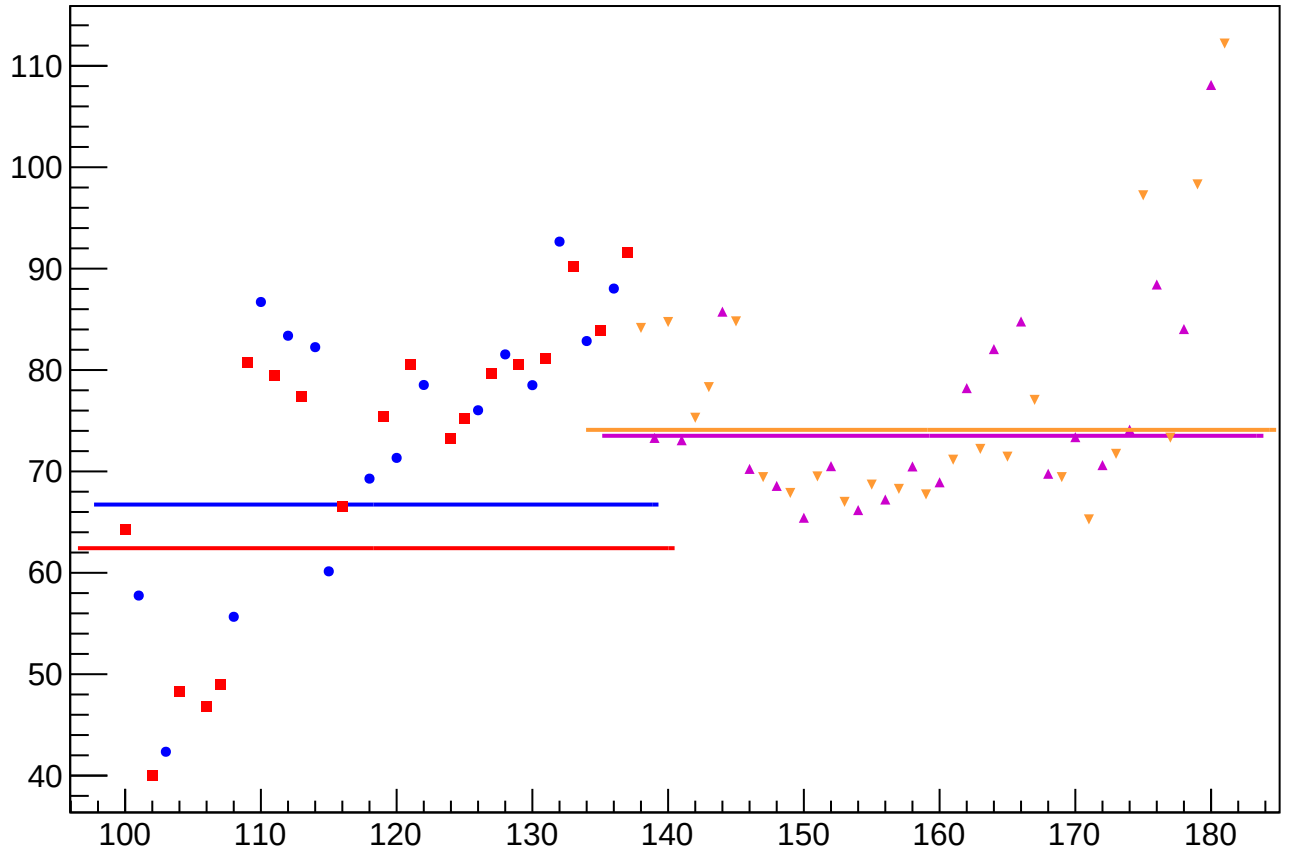
Right Out: -0.053+/-0.024 χ^2/NDF: 14.8/18

Left In: 0.040+/-0.018 χ^2/NDF:19.7/20

+ sign 0.004+/-0.015 χ^2/NDF: 36.9/38

All: 0.005+/-0.010 χ^2/NDF: 80.8/78

- sign 0.007+/-0.014 χ^2/NDF: 43.9/39



Right In: 66.732+/-0.018 χ^2/NDF: 816752.6/15

Left Out: 74.100+/-0.013 χ^2/NDF:579109.3/22

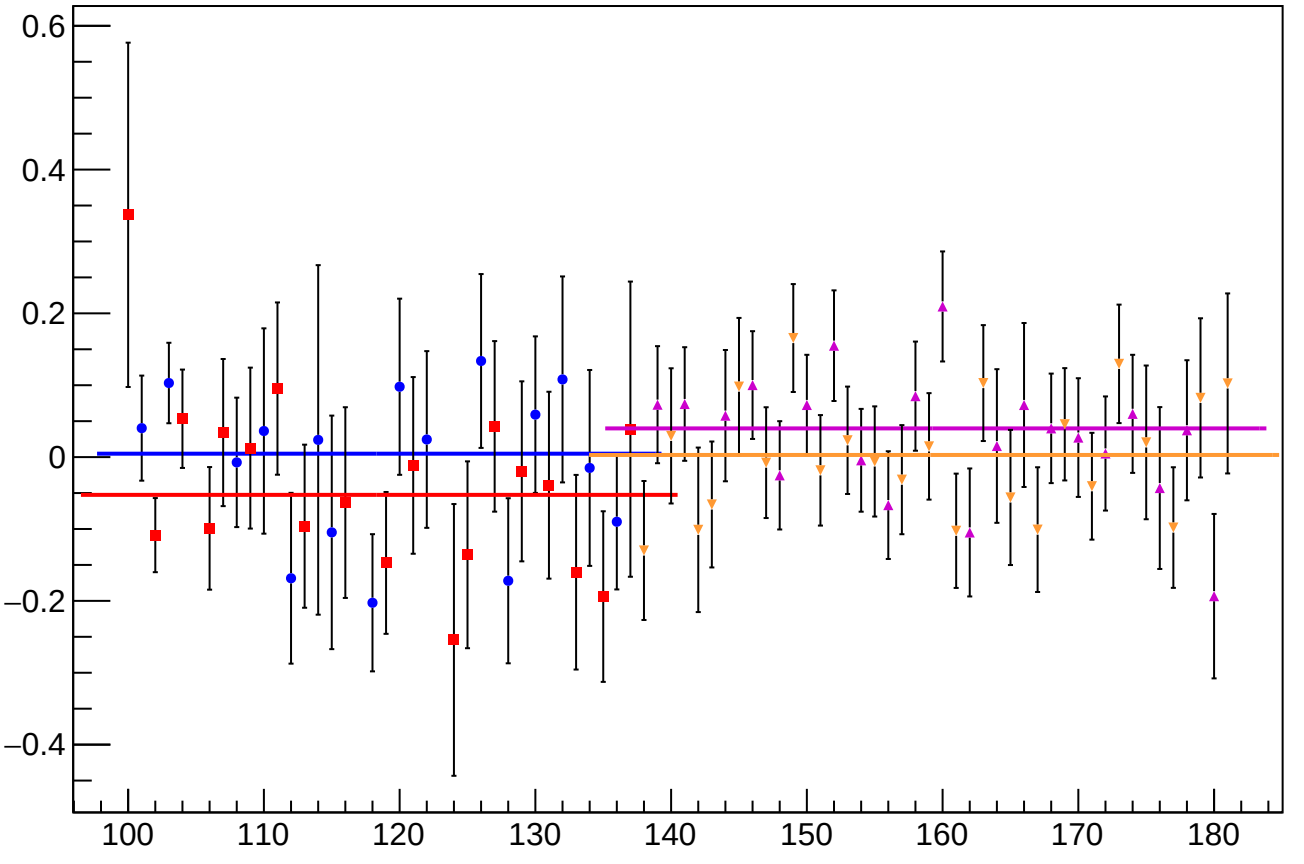
Right Out: 62.429+/-0.017 χ^2/NDF: 1114078.0/18

Left In: 73.514+/-0.013 χ^2/NDF:410638.7/20

+ sign 71.749+/-0.010 χ^2/NDF: 1506070.7/38

All: 70.620+/-0.007 χ^2/NDF: 3325115.4/78

- sign 69.515+/-0.010 χ^2/NDF: 1795469.3/39



Right In: 0.005+/-0.026 χ^2/NDF: 16.6/15

Left Out: 0.003+/-0.018 χ^2/NDF:20.3/22

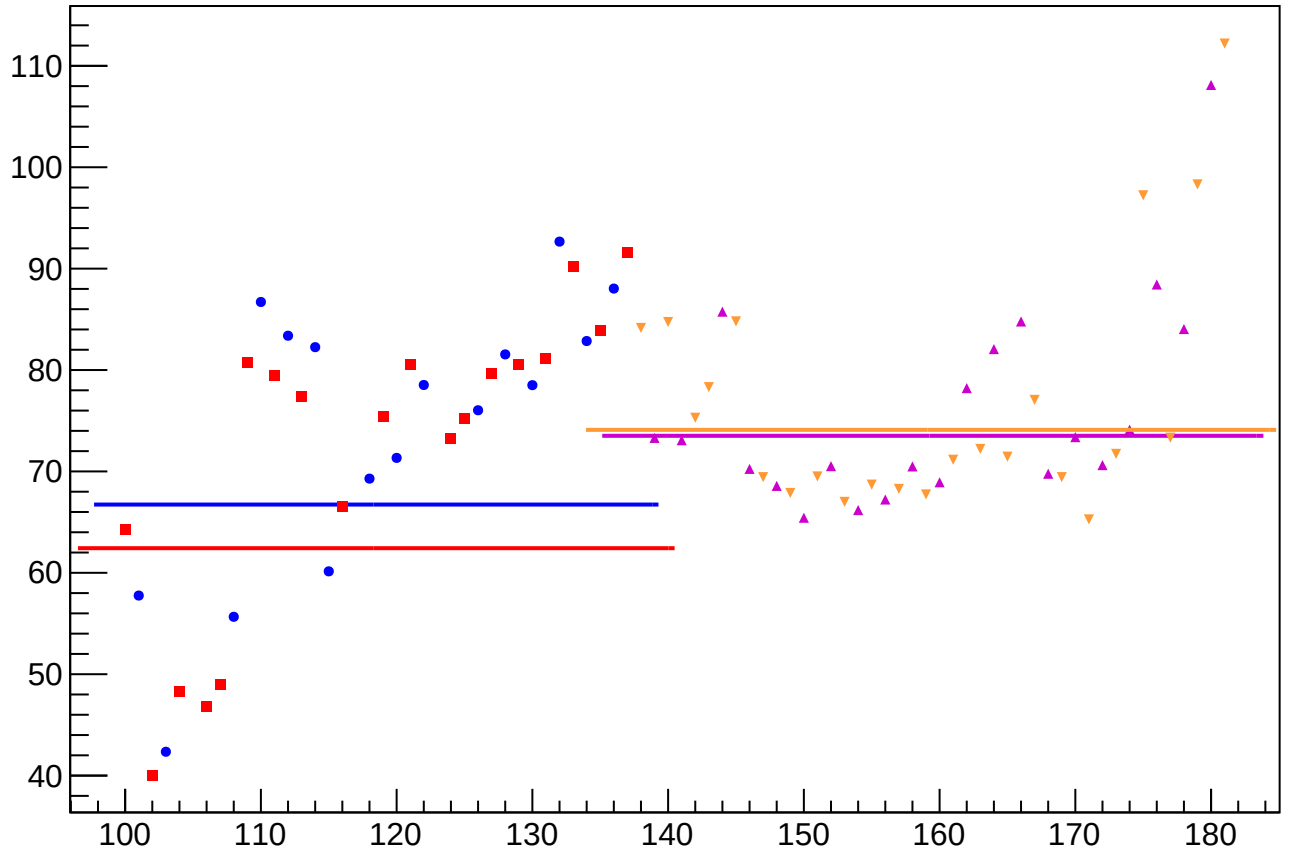
Right Out: -0.053+/-0.024 χ^2/NDF: 14.8/18

Left In: 0.040+/-0.018 χ^2/NDF:19.7/20

+ sign 0.004+/-0.015 χ^2/NDF: 36.9/38

All: 0.005+/-0.010 χ^2/NDF: 80.8/78

- sign 0.007+/-0.014 χ^2/NDF: 43.9/39



Right In: 66.732+/-0.018 χ^2/NDF: 816752.6/15

Left Out: 74.100+/-0.013 χ^2/NDF:579109.3/22

Right Out: 62.429+/-0.017 χ^2/NDF: 1114078.0/18

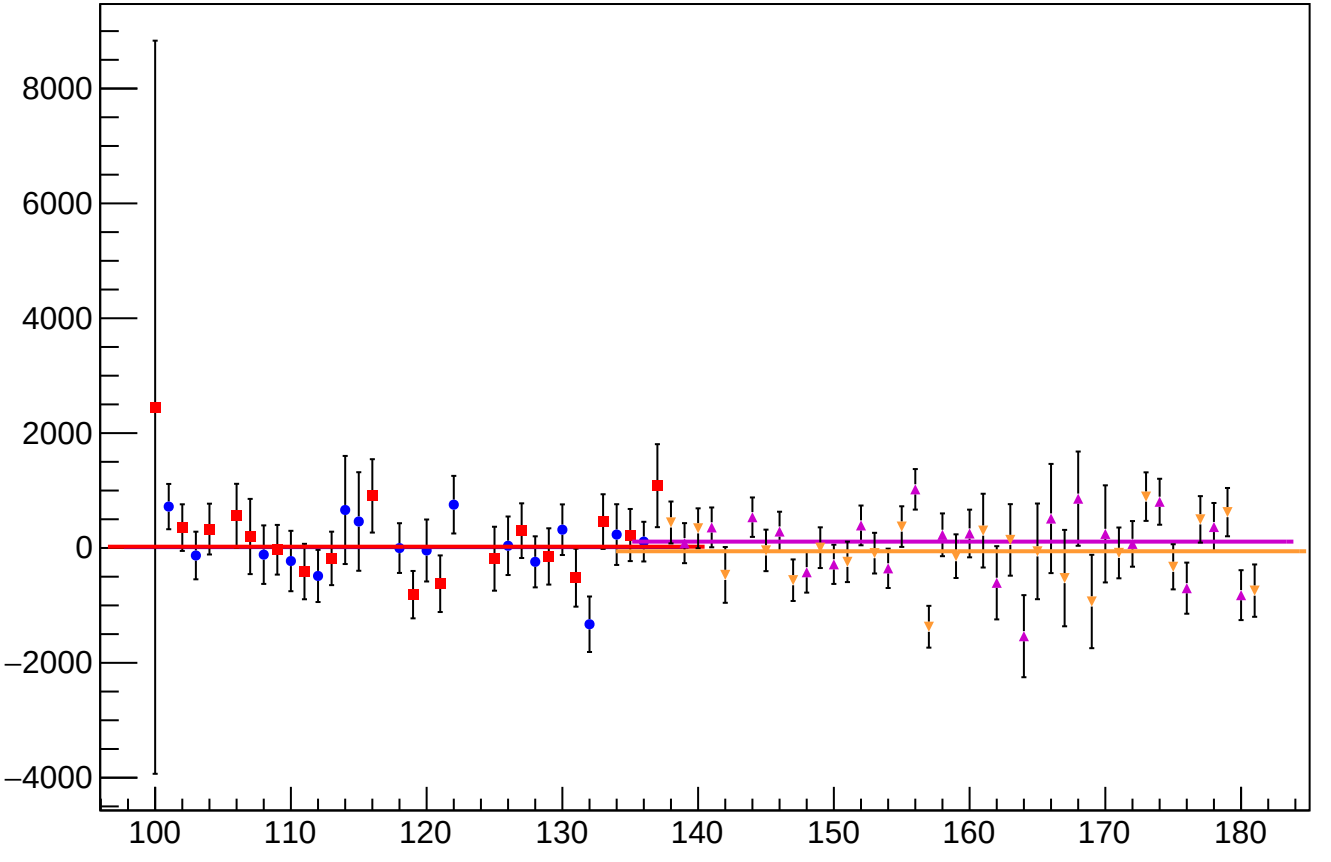
Left In: 73.514+/-0.013 χ^2/NDF:410638.7/20

+ sign 71.749+/-0.010 χ^2/NDF: 1506070.7/38

All: 70.620+/-0.007 χ^2/NDF: 3325115.4/78

- sign 69.515+/-0.010 χ^2/NDF: 1795469.3/39

asym_dsl_mean vs Slug



Right In: 15.517+/-119.431 χ^2/NDF: 16.5/15

Left Out: -57.046+/-89.478 χ^2/NDF:34.9/21

Right Out: 22.145+/-119.211 χ^2/NDF: 16.0/17

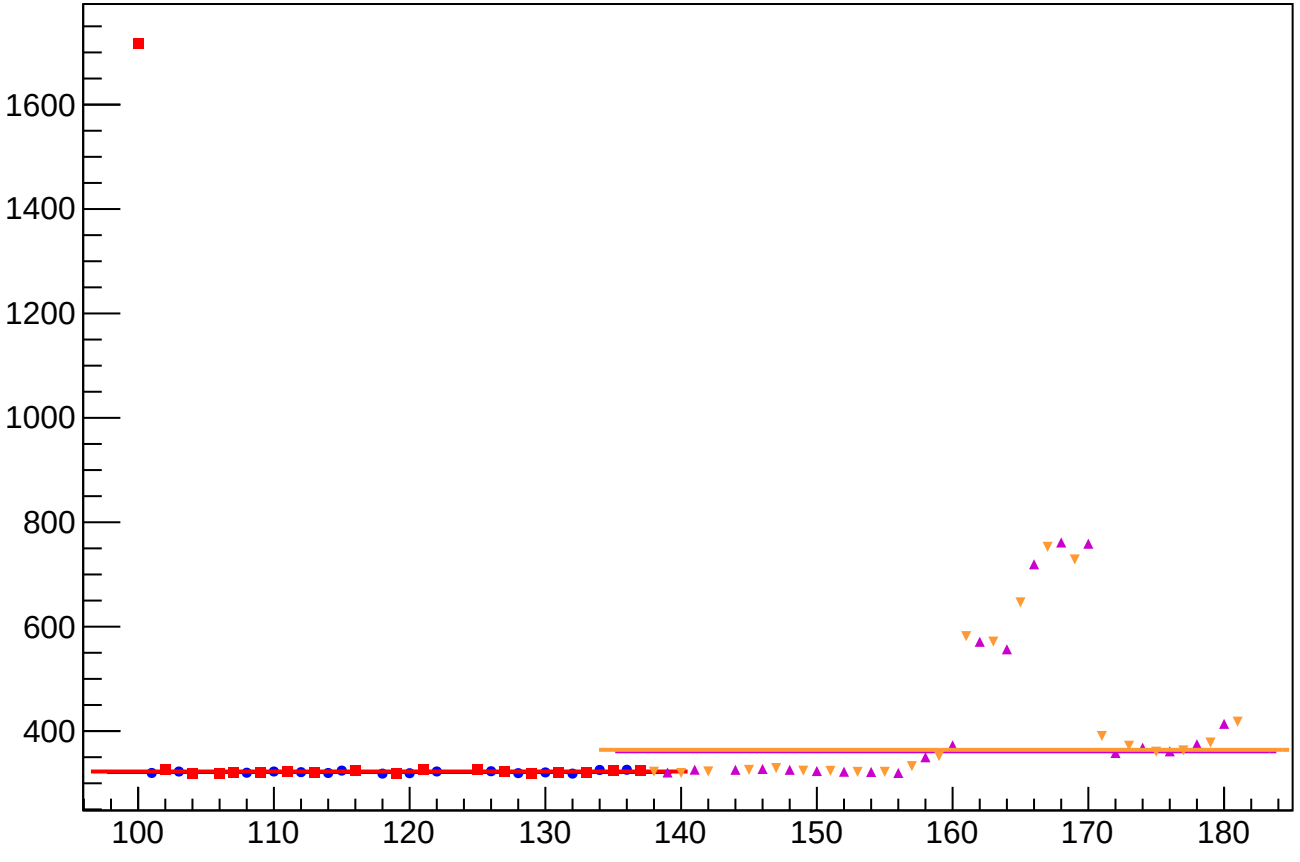
Left In: 110.559+/-89.478 χ^2/NDF:34.2/20

\+ sign -30.959+/-71.610 χ^2/NDF: 51.7/37

All: 23.906+/-50.619 χ^2/NDF: 103.4/76

\- sign 78.698+/-71.562 χ^2/NDF: 50.5/38

asym_dsl_rms vs Slug



Right In: 321.604+/-0.084 χ^2/NDF: 822.9/15

Left Out: 364.127+/-0.063 χ^2/NDF:1791013.8/21

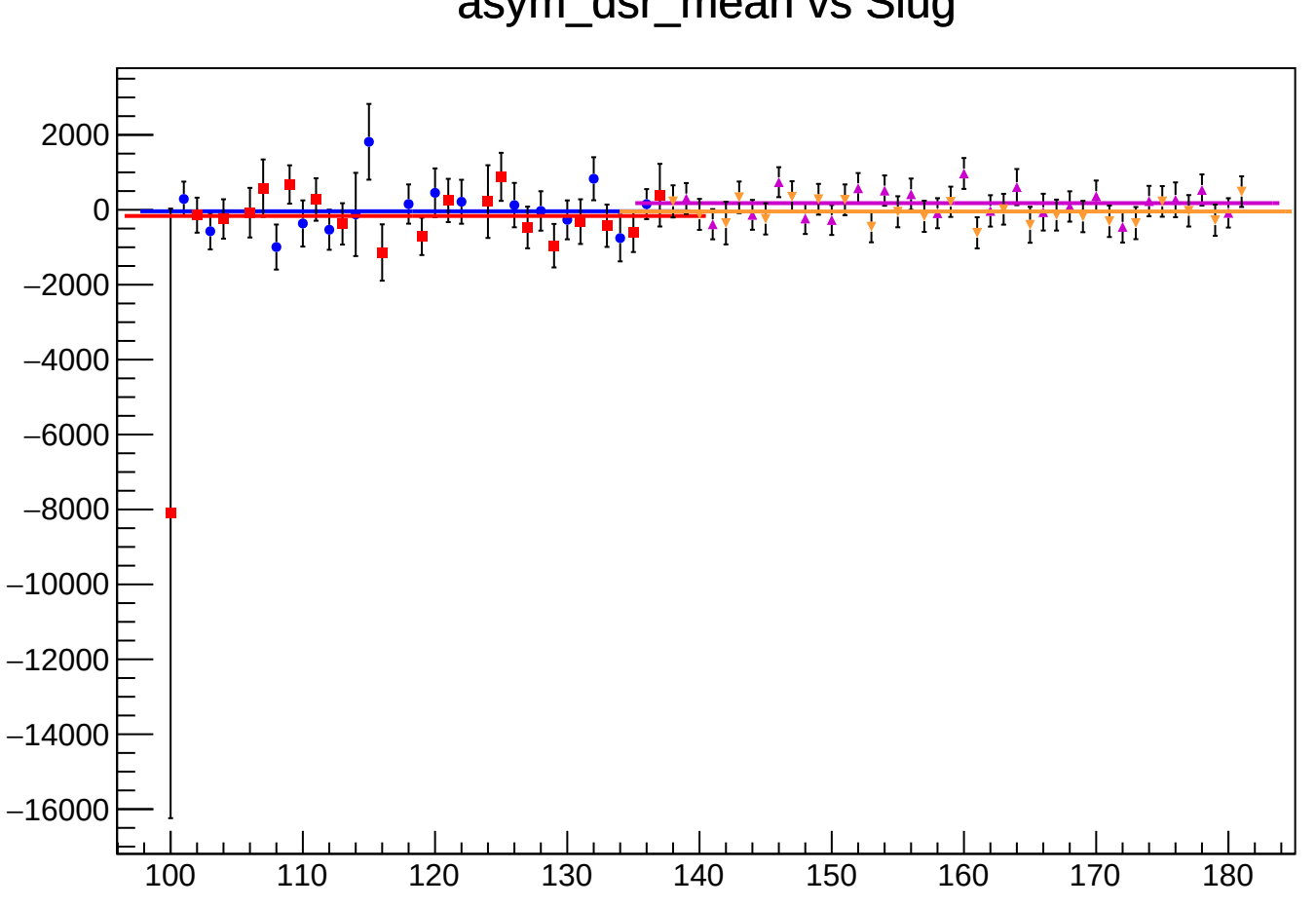
Right Out: 322.553+/-0.084 χ^2/NDF: 96891.9/17

Left In: 361.266+/-0.063 χ^2/NDF:1815653.7/20

+ sign 348.839+/-0.051 χ^2/NDF: 1954222.2/37

All: 348.077+/-0.036 χ^2/NDF: 4002131.3/76

- sign 347.315+/-0.051 χ^2/NDF: 2047455.9/38



Right In: -38.914+/-140.720 χ^2/NDF: 13.7/15

Left Out: -44.309+/-88.034 χ^2/NDF:11.3/22

Right Out: -164.639+/-138.962 χ^2/NDF: 15.1/18

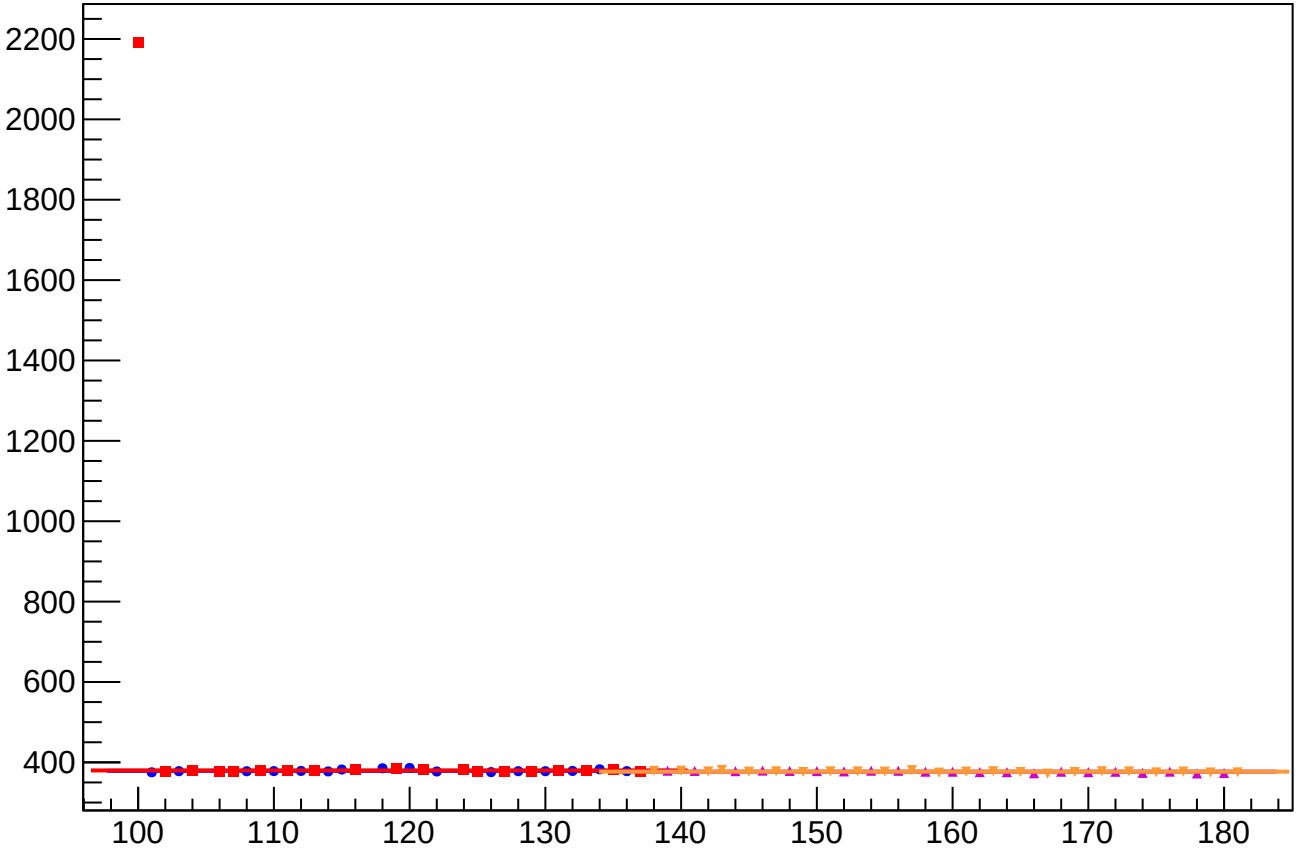
Left In: 178.058+/-90.734 χ^2/NDF:18.0/20

+ sign -42.792+/-74.633 χ^2/NDF: 25.0/38

All: 15.363+/-53.241 χ^2/NDF: 63.6/78

- sign 75.625+/-75.973 χ^2/NDF: 37.4/39

asym_dsr_rms vs Slug



Right In: 378.910+/-0.100 χ^2/NDF: 851.2/15

Left Out: 376.903+/-0.062 χ^2/NDF:1044.5/22

Right Out: 379.878+/-0.098 χ^2/NDF: 99621.5/18

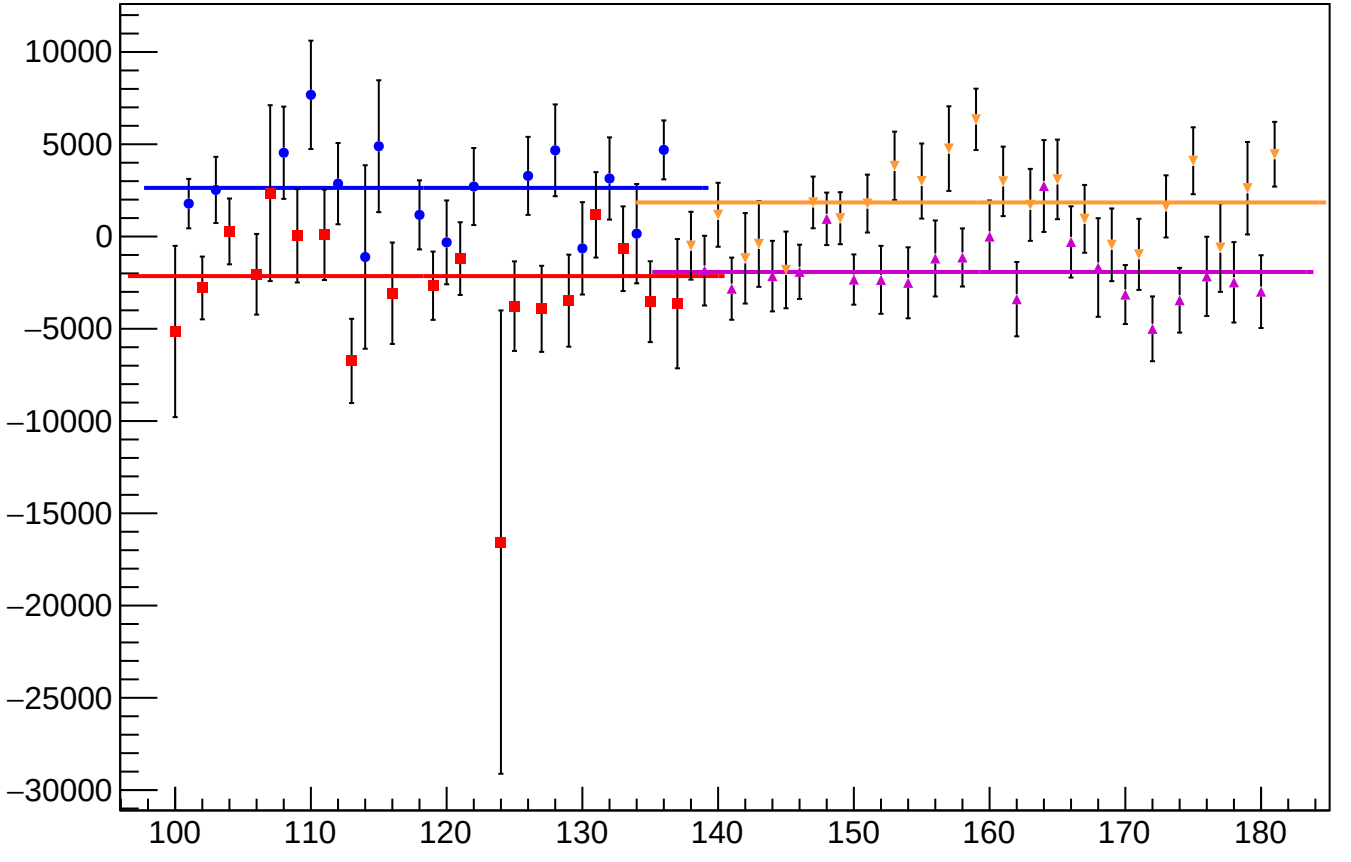
Left In: 376.881+/-0.064 χ^2/NDF:1067.3/20

+ sign 377.468+/-0.053 χ^2/NDF: 2188.0/38

All: 377.620+/-0.038 χ^2/NDF: 103545.6/78

- sign 377.777+/-0.054 χ^2/NDF: 101340.7/39

asym_us_agg_avg_mean vs Slug



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

Left Out: 1847.359+/-388.879 χ^2/NDF:27.5/22

Right Out: -2144.569+/-546.963 χ^2/NDF: 15.0/18

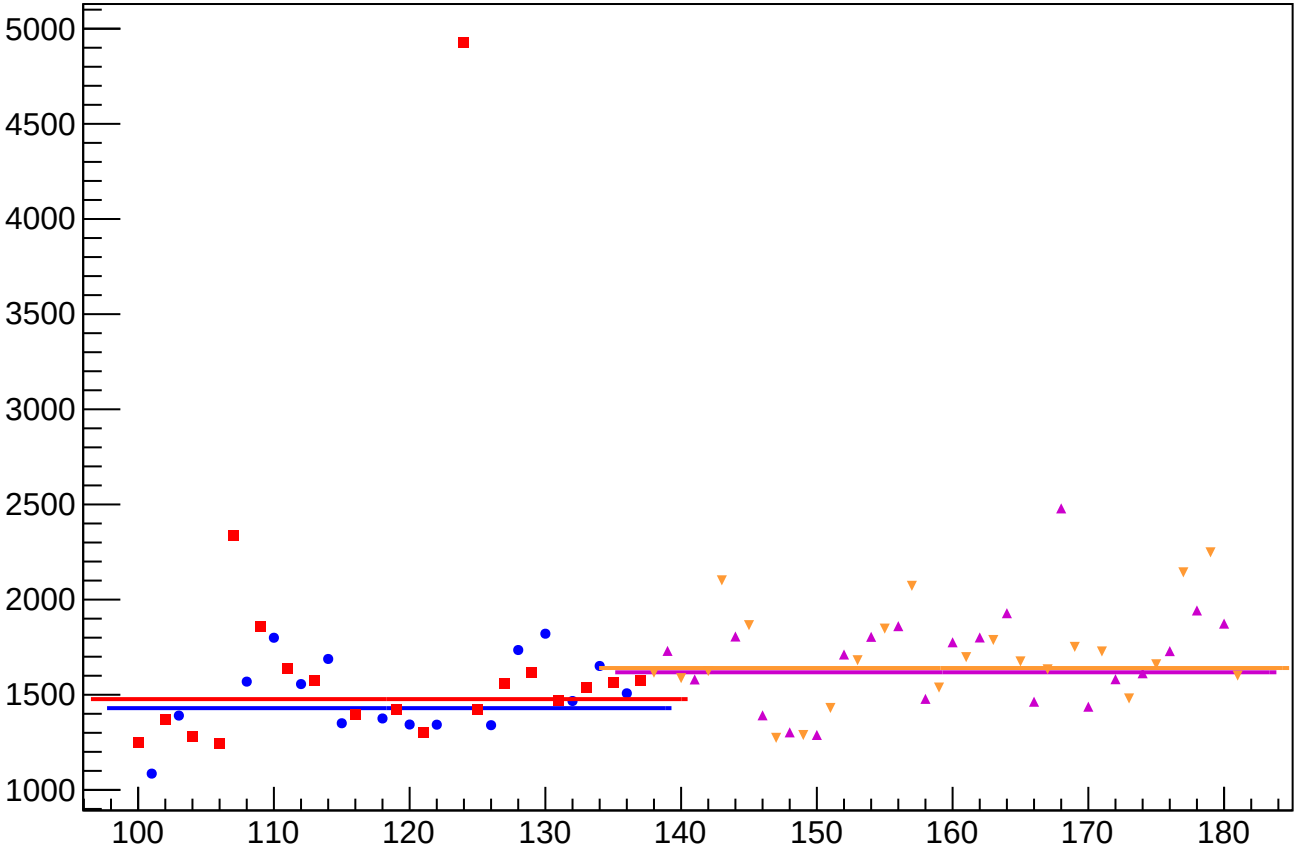
Left In: -1921.612+/-394.933 χ^2/NDF:15.5/20

+ sign 2117.771+/-315.173 χ^2/NDF: 41.1/38

All: 92.379+/-224.614 χ^2/NDF: 155.8/78

- sign -1998.017+/-320.191 χ^2/NDF: 30.7/39

asym_us_agg_avg_rms vs Slug



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

Left Out: 1640.489+/-0.275 χ^2/NDF:751262.6/22

Right Out: 1477.126+/-0.387 χ^2/NDF: 369430.6/18

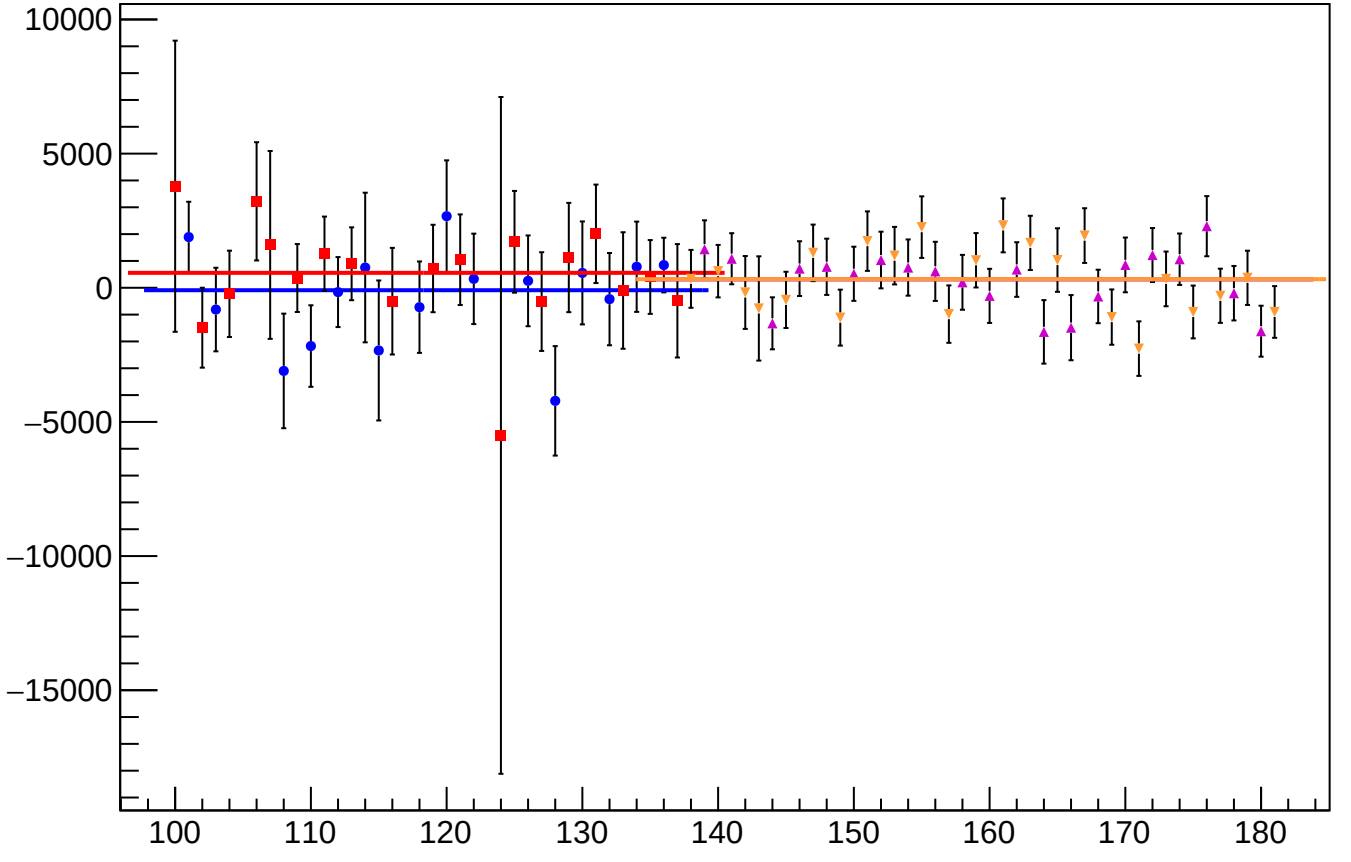
Left In: 1618.089+/-0.279 χ^2/NDF:748912.1/20

+ sign 1568.142+/-0.223 χ^2/NDF: 1246378.0/38

All: 1568.949+/-0.159 χ^2/NDF: 2452063.2/78

- sign 1569.782+/-0.226 χ^2/NDF: 1205658.5/39

asym_us_agg_dd_mean vs Slug



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

Left Out: 319.652+/-221.843 χ^2/NDF:31.5/22

Right Out: 556.840+/-411.346 χ^2/NDF: 6.8/18

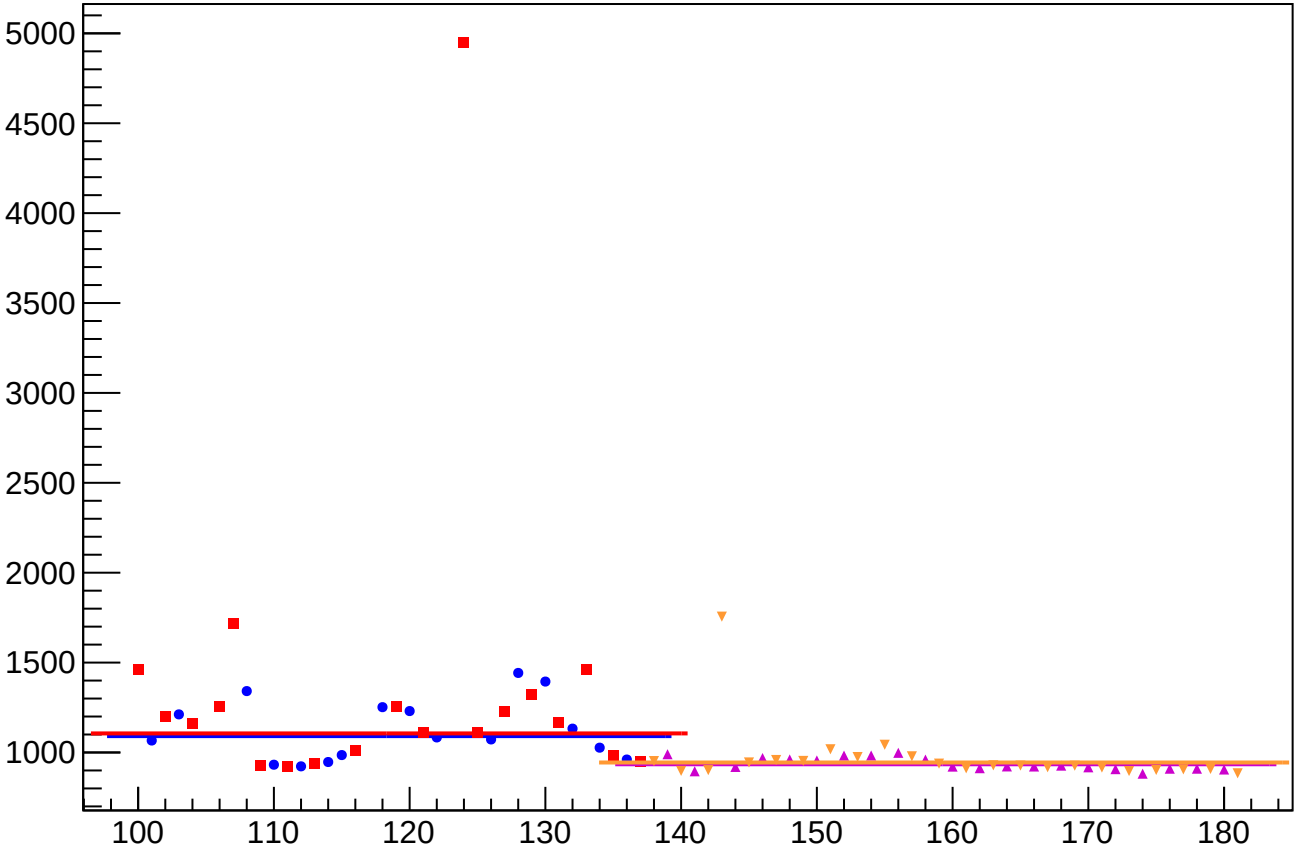
Left In: 310.097+/-225.135 χ^2/NDF:20.8/20

\+ sign 226.569+/-195.108 χ^2/NDF: 46.8/38

All: 295.919+/-138.797 χ^2/NDF: 74.9/78

\- sign 366.972+/-197.491 χ^2/NDF: 27.8/39

asym_us_agg_dd_rms vs Slug



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

Left Out: 944.287+/-0.157 χ^2/NDF:410575.3/22

Right Out: 1106.046+/-0.291 χ^2/NDF: 514097.9/18

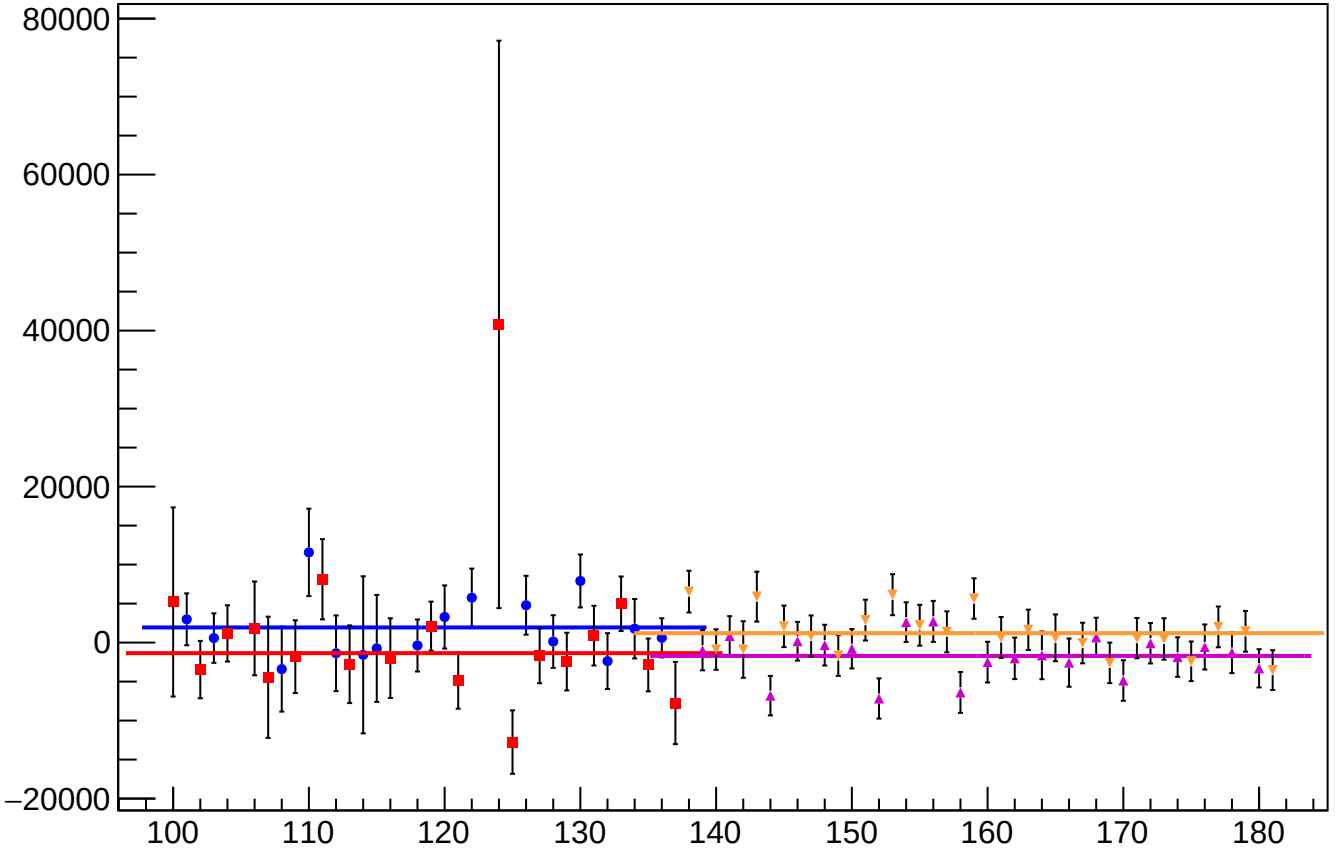
Left In: 934.432+/-0.159 χ^2/NDF:43915.2/20

+ sign 977.527+/-0.138 χ^2/NDF: 886119.9/38

All: 975.780+/-0.098 χ^2/NDF: 1712329.8/78

- sign 973.990+/-0.140 χ^2/NDF: 825885.1/39

reg_asym_atl1_mean vs Slug



Right In: 1939.656+/-952.537 χ^2/NDF: 12.2/15

Left Out: 1209.238+/-557.457 χ^2/NDF:23.6/22

Right Out: -1353.428+/-985.119 χ^2/NDF: 21.8/18

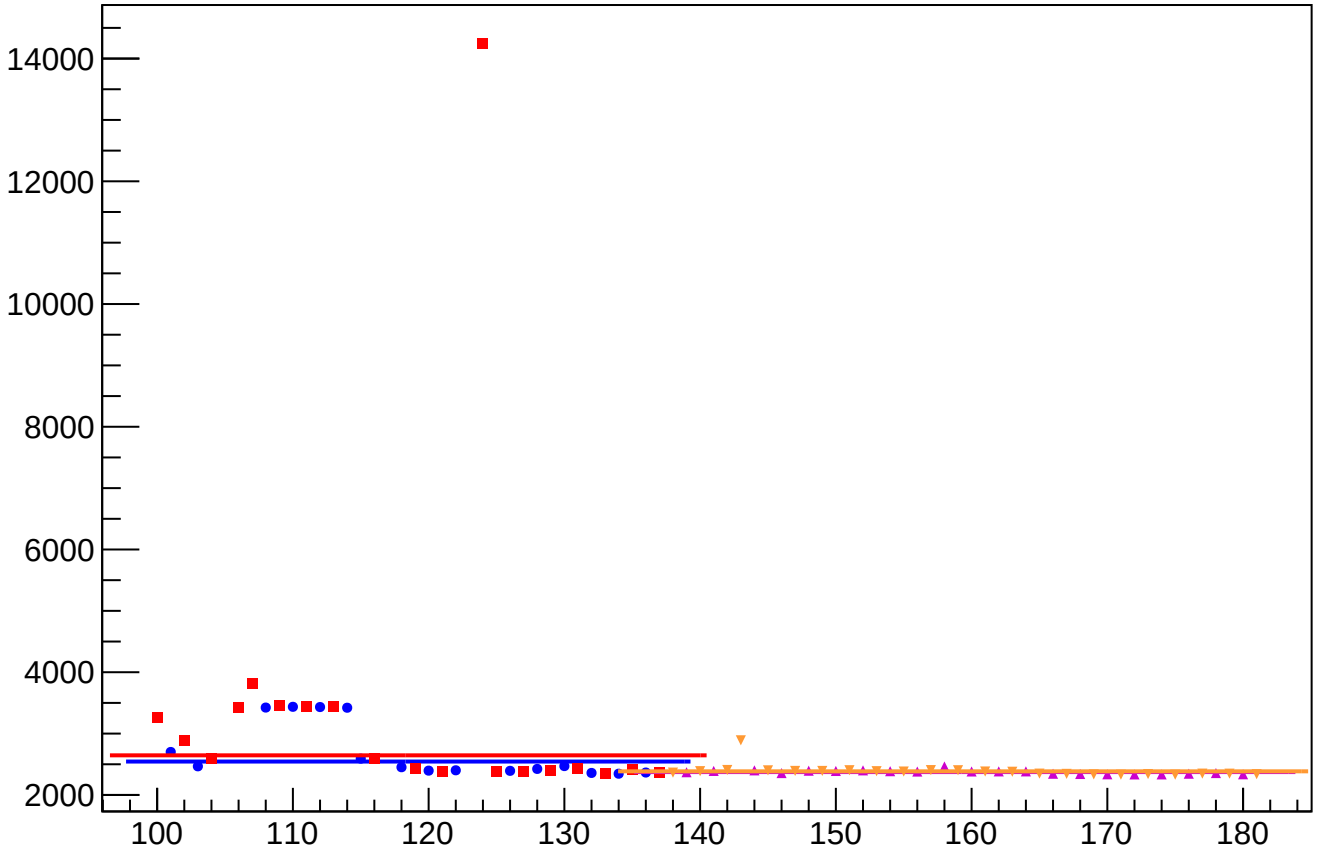
Left In: -1711.830+/-571.248 χ^2/NDF:23.1/20

+ sign 1395.582+/-481.121 χ^2/NDF: 36.3/38

All: -72.656+/-344.726 χ^2/NDF: 100.4/78

- sign -1621.641+/-494.174 χ^2/NDF: 45.0/39

reg_asym_atl1_rms vs Slug



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2385.044+/-0.394 χ^2/NDF:55981.8/22

Right Out: 2645.647+/-0.697 χ^2/NDF: 536965.2/18

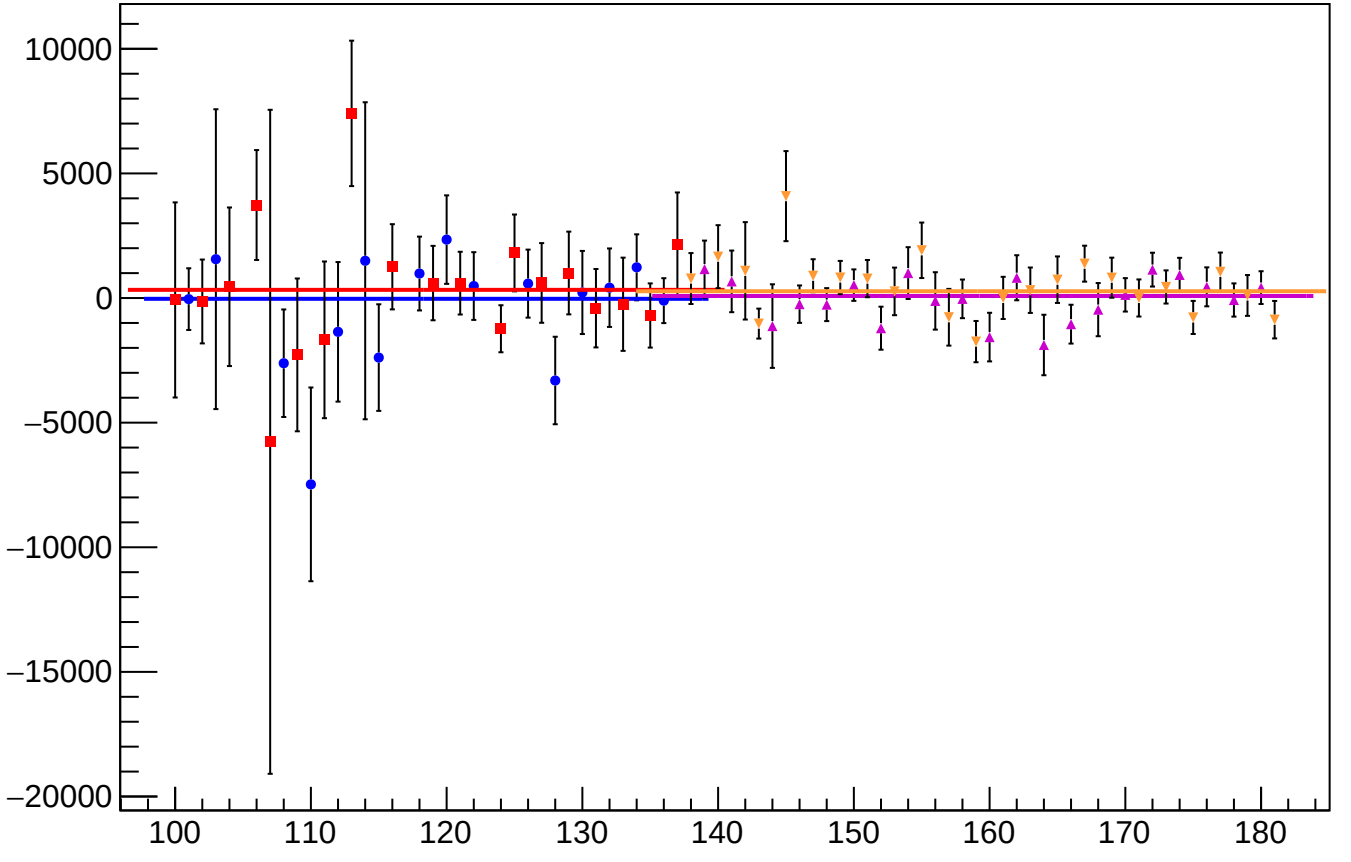
Left In: 2372.748+/-0.404 χ^2/NDF:5915.8/20

\+ sign 2425.703+/-0.340 χ^2/NDF: 323299.6/38

All: 2433.351+/-0.244 χ^2/NDF: 982078.6/78

\- sign 2441.420+/-0.349 χ^2/NDF: 657740.3/39

asym_atl1_reg_correction_mean vs Slug



Right In: -31.191+/-405.726 χ^2/NDF: 13.8/15

Left Out: 272.861+/-171.832 χ^2/NDF:31.0/22

Right Out: 328.475+/-398.568 χ^2/NDF: 15.6/18

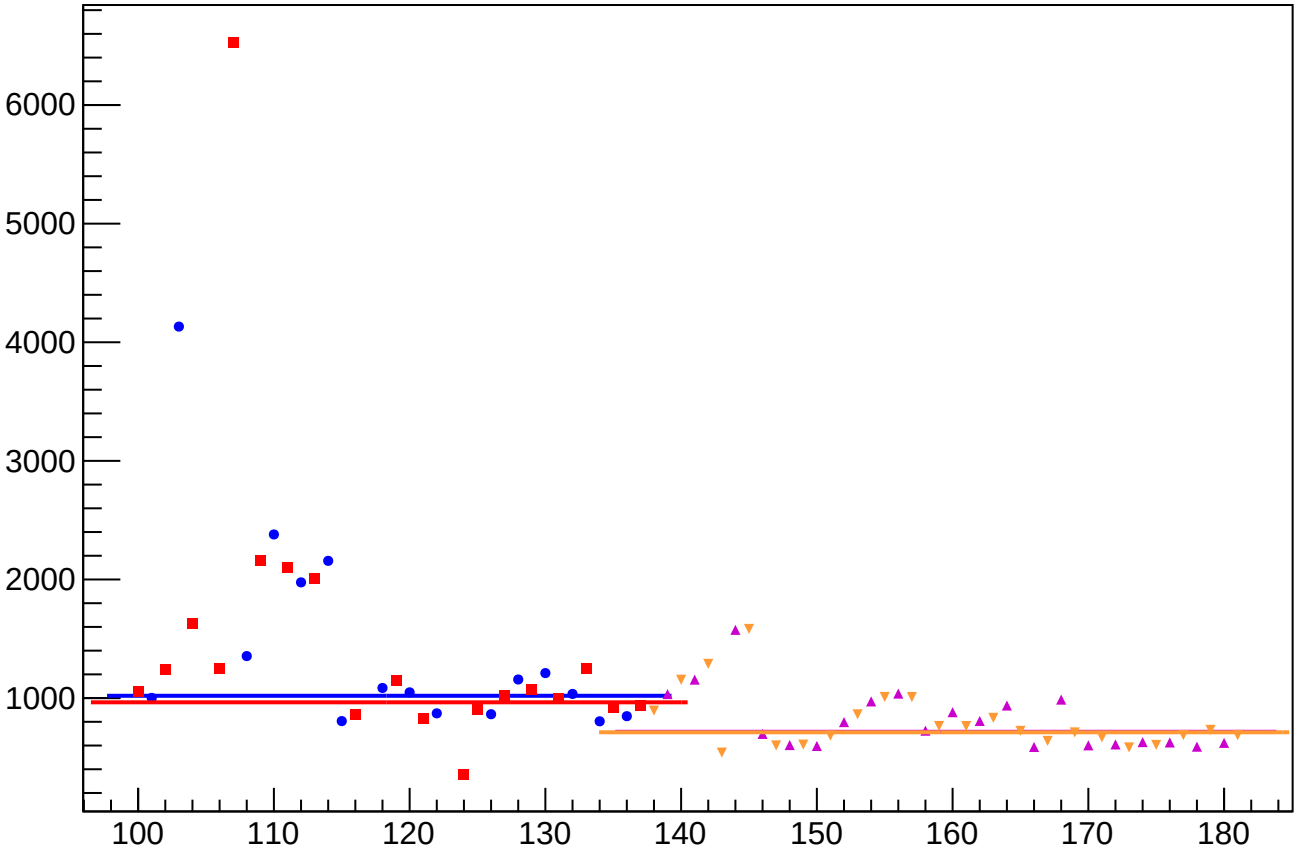
Left In: 81.420+/-178.904 χ^2/NDF:18.7/20

+ sign 226.618+/-158.226 χ^2/NDF: 45.2/38

All: 176.344+/-113.606 χ^2/NDF: 80.1/78

- sign 122.850+/-163.216 χ^2/NDF: 34.6/39

asym_atl1_reg_correction_rms vs Slug



Right In: 1019.523+/-0.287 χ^2/NDF: 1364745.9/15

Left Out: 711.756+/-0.122 χ^2/NDF:1758180.9/22

Right Out: 964.379+/-0.282 χ^2/NDF: 2309359.3/18

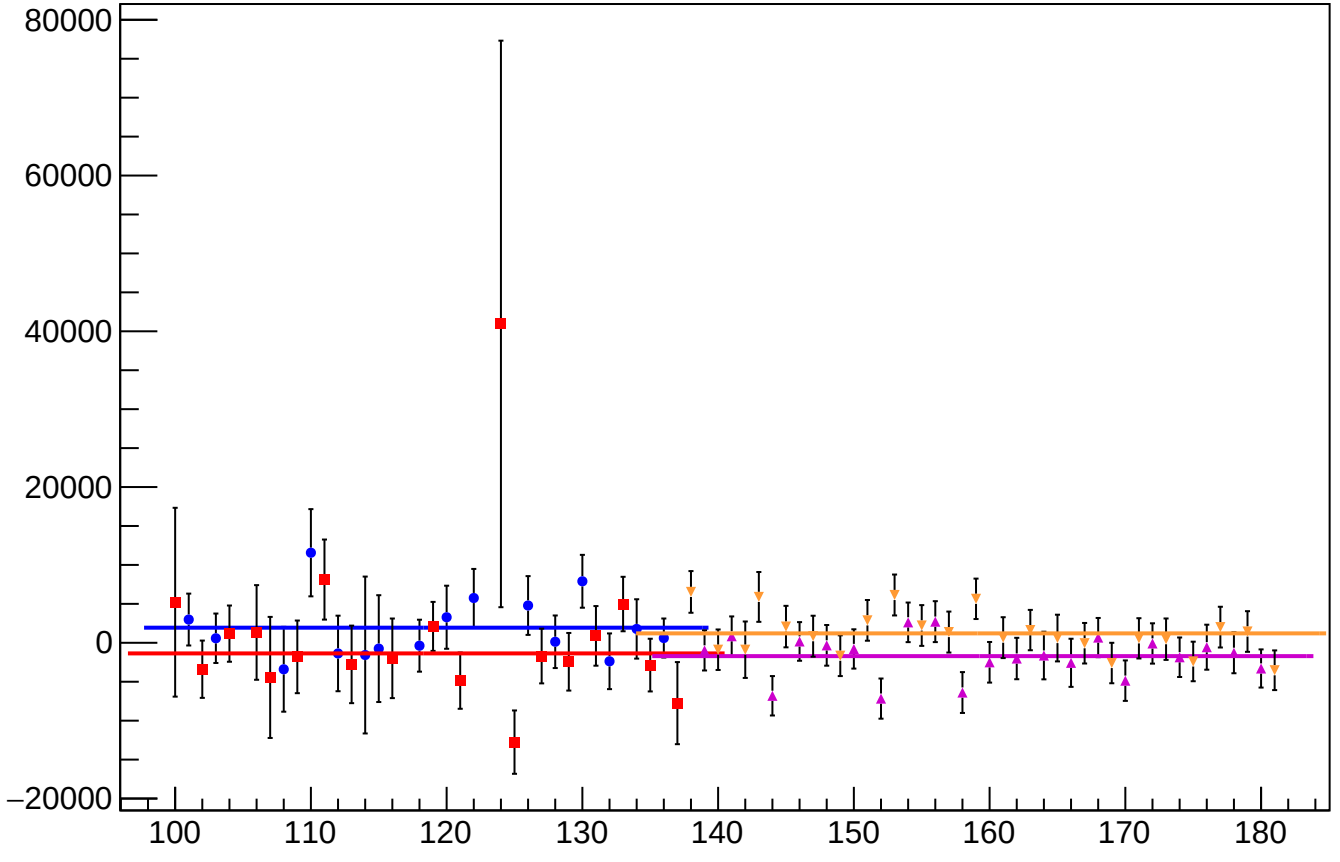
Left In: 716.010+/-0.127 χ^2/NDF:1964523.6/20

+ sign 758.564+/-0.112 χ^2/NDF: 4098718.8/38

All: 758.126+/-0.080 χ^2/NDF: 9019034.9/78

- sign 757.660+/-0.115 χ^2/NDF: 4920284.6/39

cor_asym_atl1_mean vs Slug



Right In: 1940.005+/-952.537 χ^2/NDF: 12.2/15

Left Out: 1209.207+/-557.457 χ^2/NDF:23.6/22

Right Out: -1363.089+/-985.420 χ^2/NDF: 21.7/18

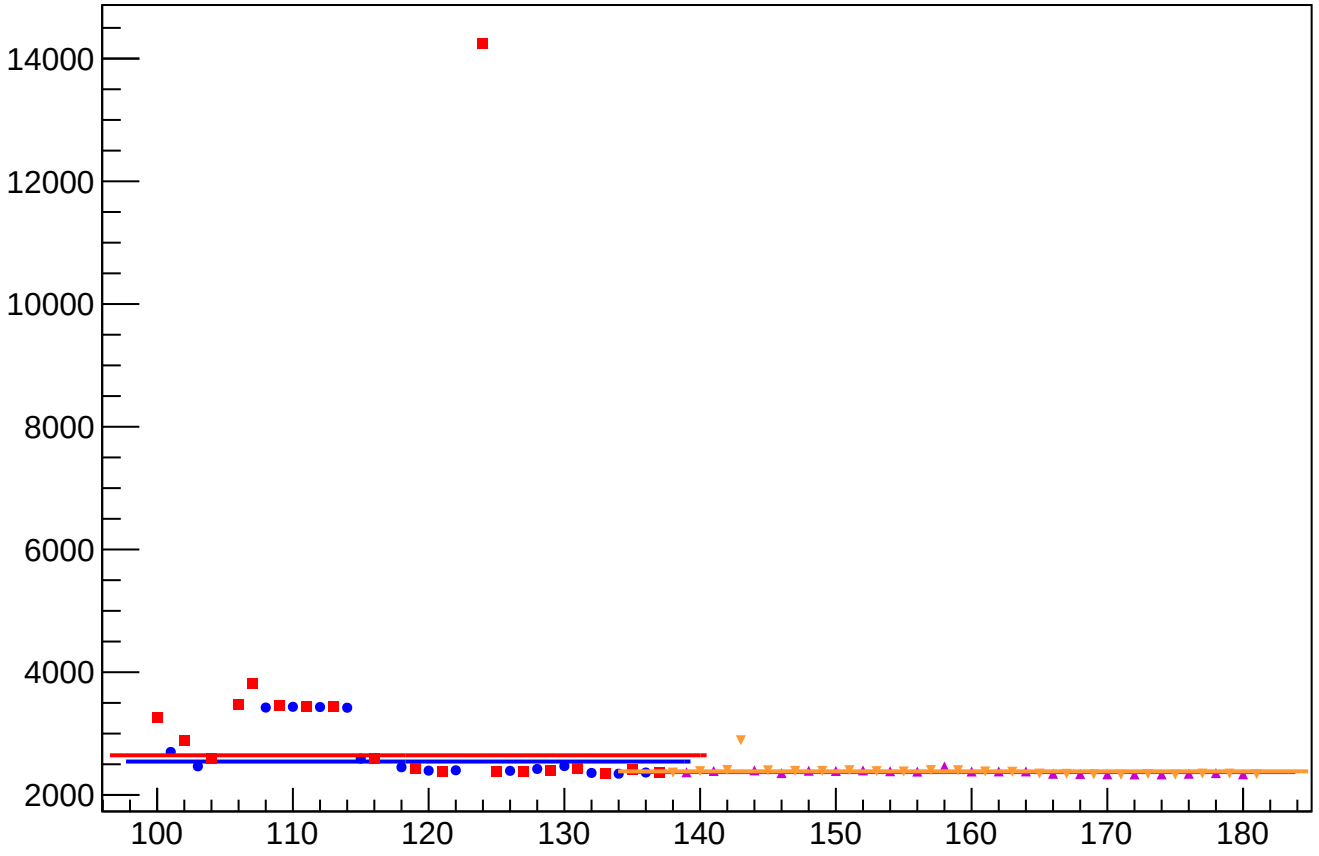
Left In: -1711.926+/-571.248 χ^2/NDF:23.1/20

+ sign 1395.649+/-481.121 χ^2/NDF: 36.3/38

All: -73.744+/-344.739 χ^2/NDF: 100.4/78

- sign -1624.184+/-494.212 χ^2/NDF: 44.9/39

cor_asym_atl1_rms vs Slug



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2385.044+/-0.394 χ^2/NDF:55981.7/22

Right Out: 2646.203+/-0.697 χ^2/NDF: 539546.8/18

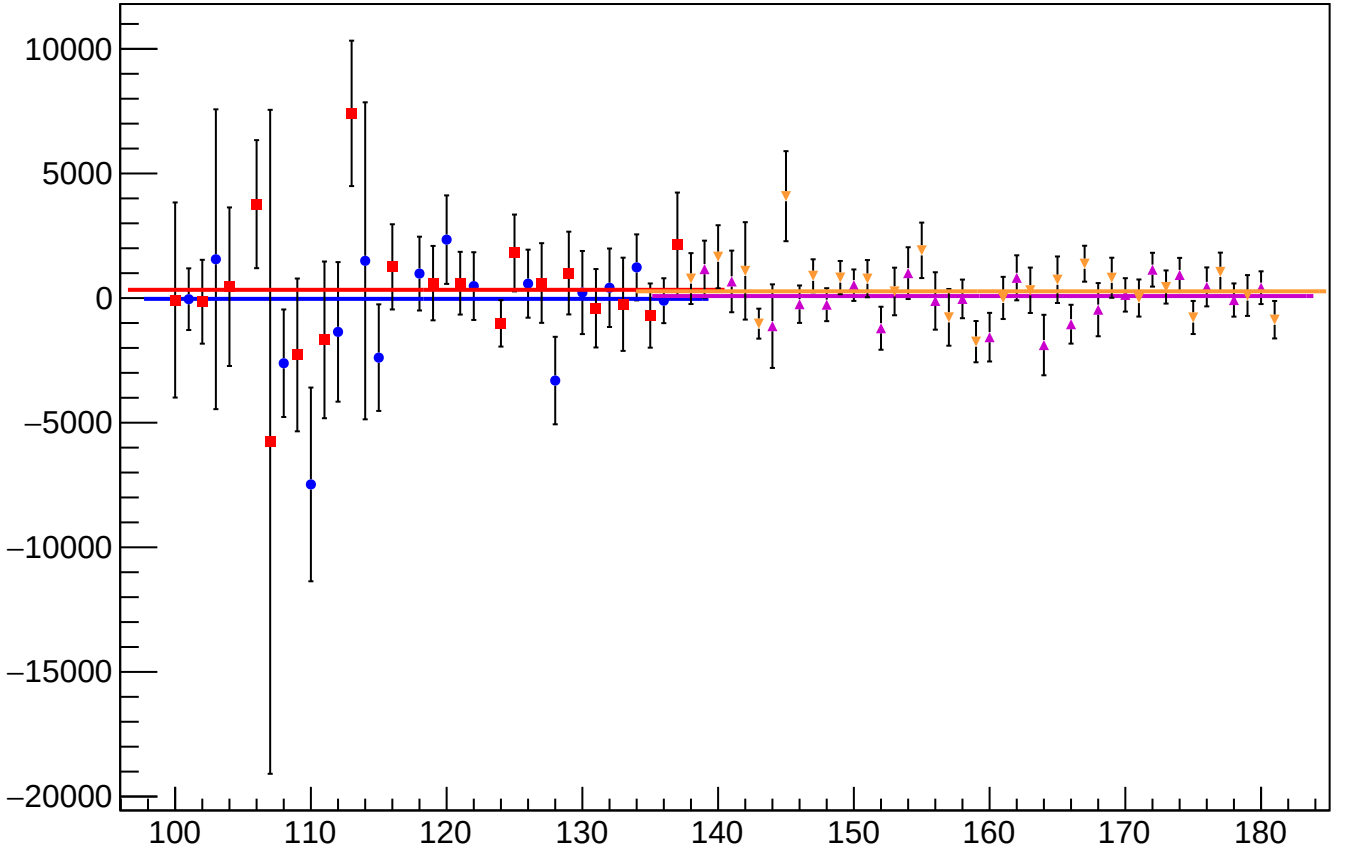
Left In: 2372.748+/-0.404 χ^2/NDF:5915.8/20

\+ sign 2425.703+/-0.340 χ^2/NDF: 323299.6/38

All: 2433.404+/-0.244 χ^2/NDF: 985090.6/78

\- sign 2441.529+/-0.349 χ^2/NDF: 660737.9/39

asym_atl1_cor_correction_mean vs Slug



Right In: -31.253+/-405.723 χ^2/NDF: 13.8/15

Left Out: 272.881+/-171.832 χ^2/NDF:31.0/22

Right Out: 331.962+/-399.334 χ^2/NDF: 14.4/18

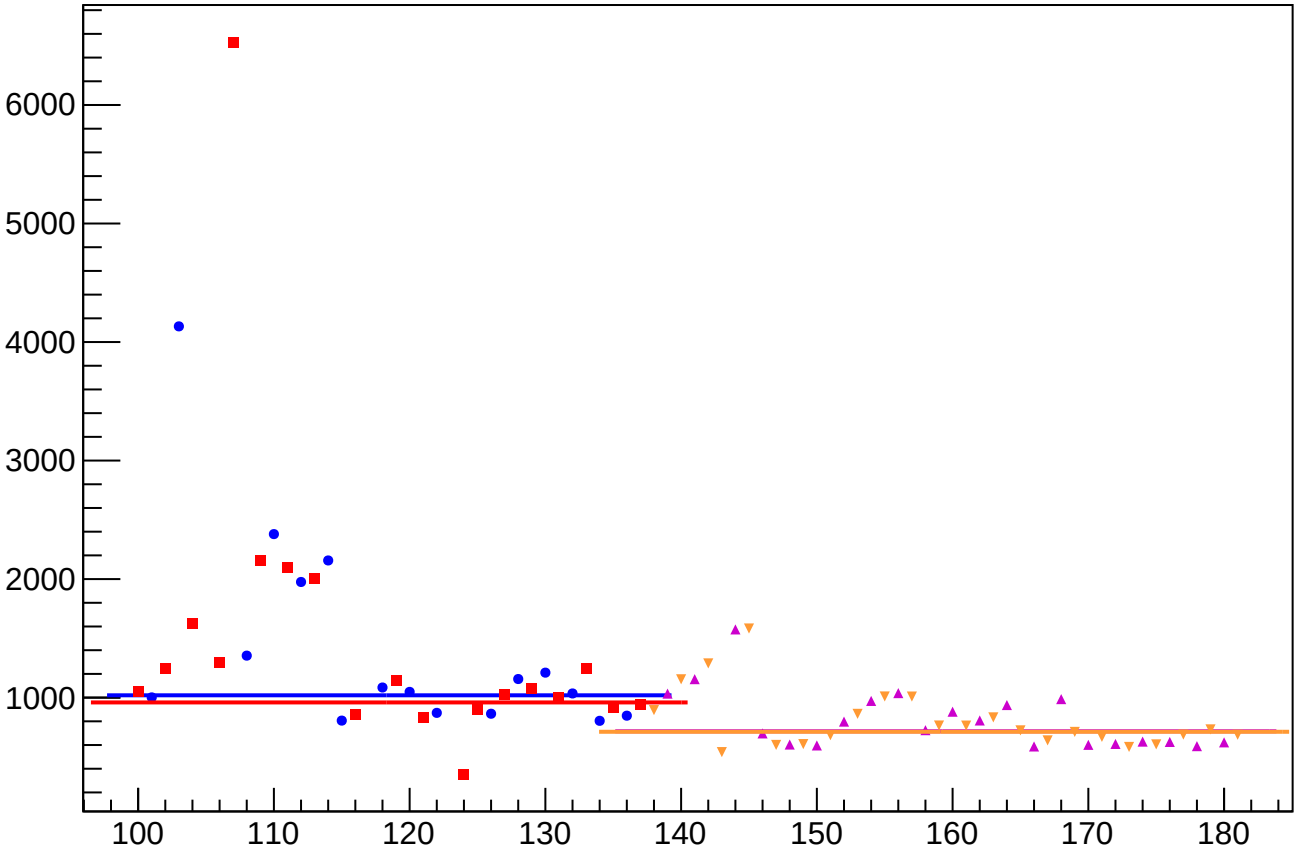
Left In: 81.264+/-178.904 χ^2/NDF:18.7/20

+ sign 226.626+/-158.227 χ^2/NDF: 45.2/38

All: 176.520+/-113.624 χ^2/NDF: 78.8/78

- sign 123.170+/-163.268 χ^2/NDF: 33.4/39

asym_atl1_cor_correction_rms vs Slug



Right In: 1019.514+/-0.287 χ^2/NDF: 1364741.0/15

Left Out: 711.759+/-0.122 χ^2/NDF:1758257.9/22

Right Out: 959.344+/-0.282 χ^2/NDF: 2344434.8/18

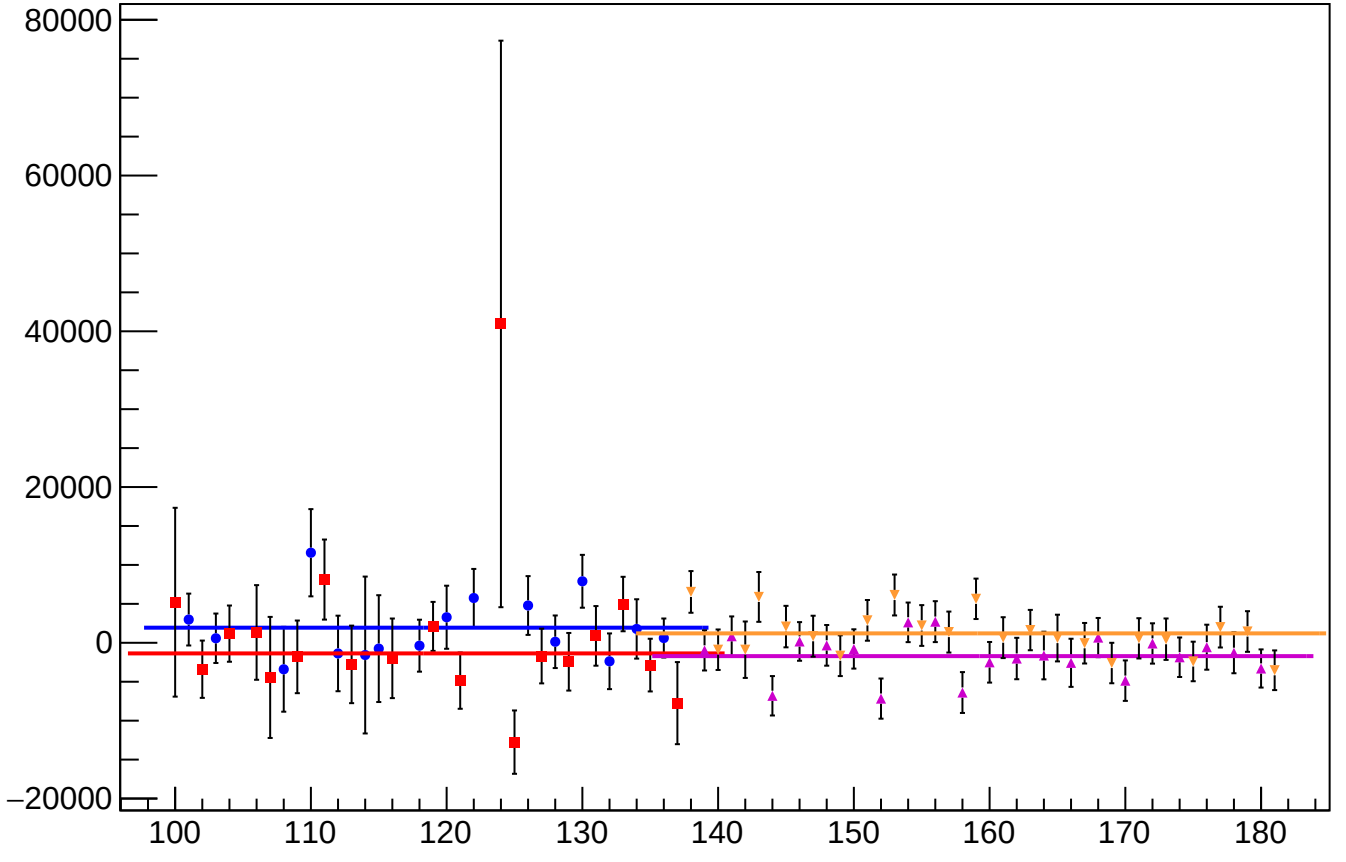
Left In: 716.008+/-0.127 χ^2/NDF:1964685.4/20

+ sign 758.565+/-0.112 χ^2/NDF: 4098731.7/38

All: 757.654+/-0.080 χ^2/NDF: 9026476.8/78

- sign 756.684+/-0.115 χ^2/NDF: 4927608.2/39

eigen_cor_asym_atl1_mean vs Slug



Right In: 1940.005+/-952.537 χ^2/NDF: 12.2/15

Left Out: 1209.207+/-557.457 χ^2/NDF:23.6/22

Right Out: -1363.089+/-985.420 χ^2/NDF: 21.7/18

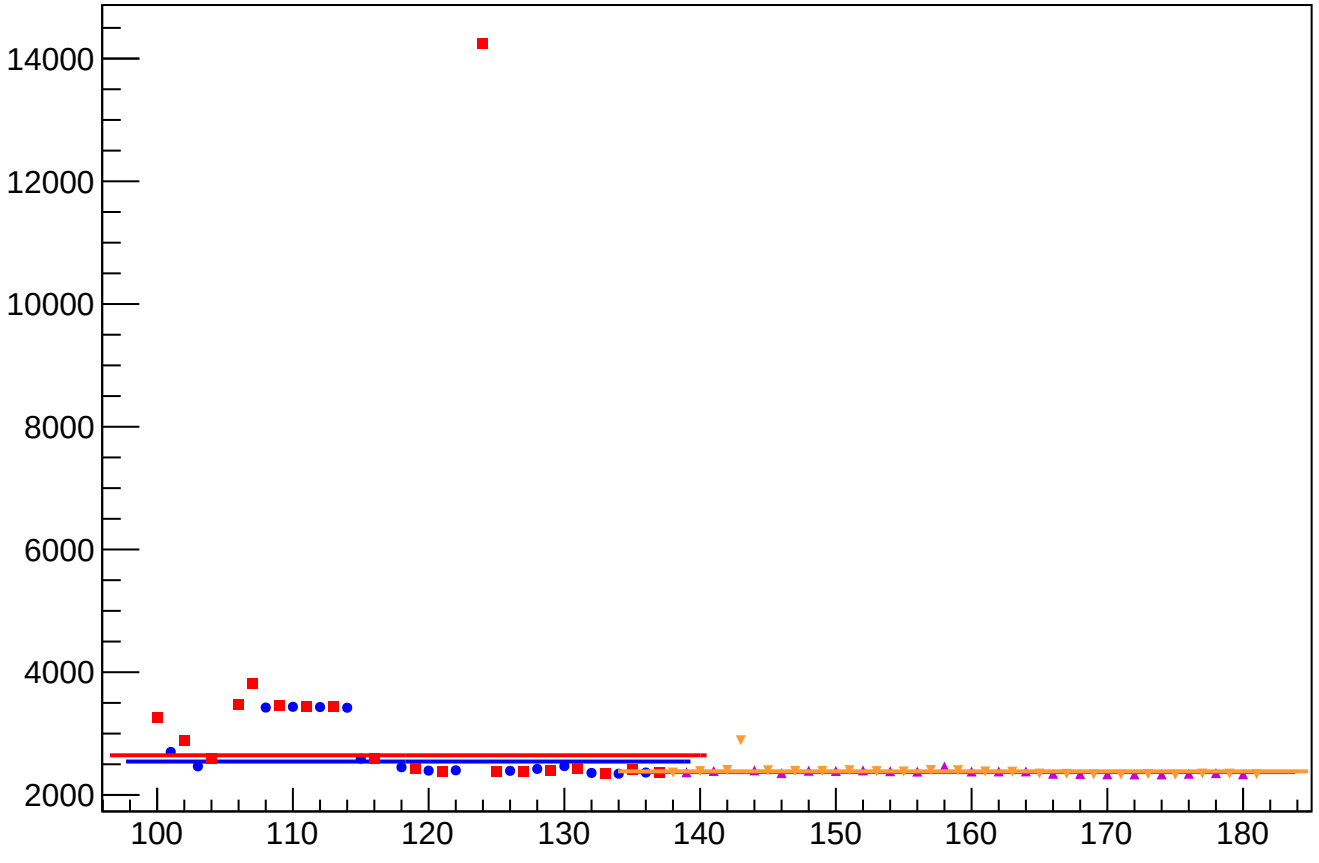
Left In: -1711.926+/-571.248 χ^2/NDF:23.1/20

+ sign 1395.649+/-481.121 χ^2/NDF: 36.3/38

All: -73.744+/-344.739 χ^2/NDF: 100.4/78

- sign -1624.184+/-494.212 χ^2/NDF: 44.9/39

eigen_cor_asym_atl1_rms vs Slug



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2385.044+/-0.394 χ^2/NDF:55981.7/22

Right Out: 2646.203+/-0.697 χ^2/NDF: 539546.8/18

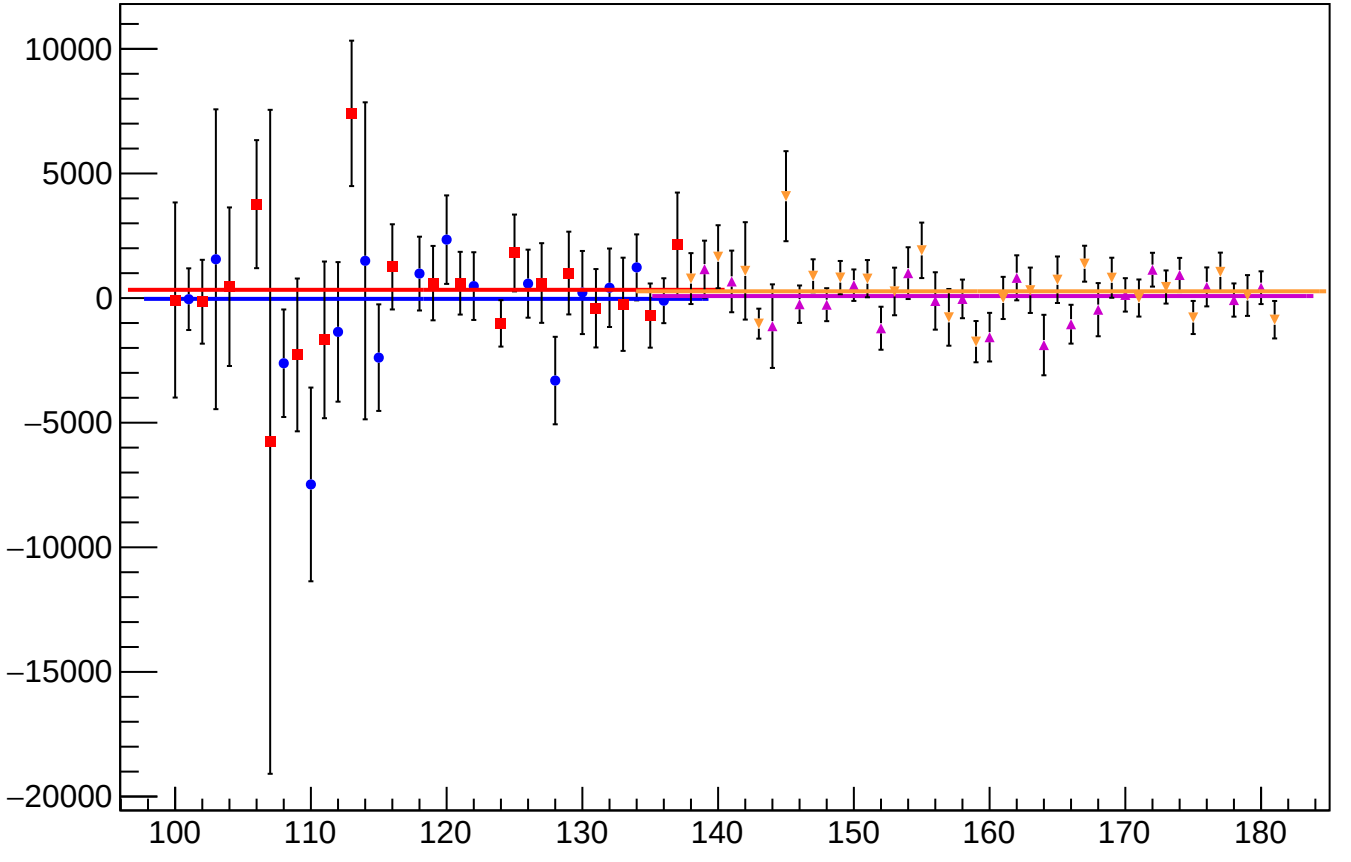
Left In: 2372.748+/-0.404 χ^2/NDF:5915.8/20

\+ sign 2425.703+/-0.340 χ^2/NDF: 323299.6/38

All: 2433.404+/-0.244 χ^2/NDF: 985090.6/78

\- sign 2441.529+/-0.349 χ^2/NDF: 660737.9/39

asym_atl1_eigen_cor_correction_mean vs Slug



Right In: -31.253+/-405.723 χ^2/NDF: 13.8/15

Left Out: 272.881+/-171.832 χ^2/NDF:31.0/22

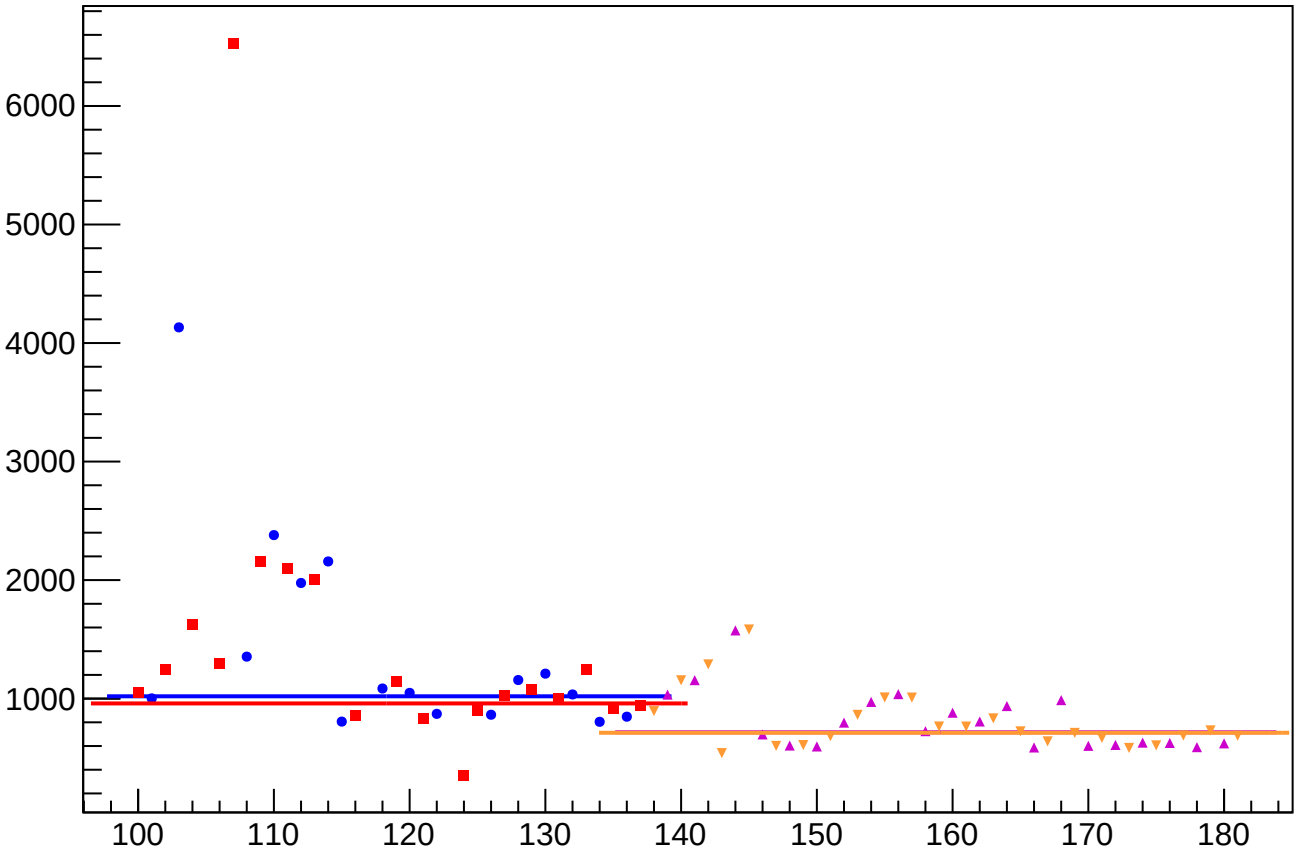
Right Out: 331.962+/-399.334 χ^2/NDF: 14.4/18

Left In: 81.264+/-178.904 χ^2/NDF:18.7/20

+ sign 226.626+/-158.227 χ^2/NDF: 45.2/38

All: 176.520+/-113.624 χ^2/NDF: 78.8/78

- sign 123.170+/-163.268 χ^2/NDF: 33.4/39



Right In: 1019.514+/-0.287 χ^2/NDF: 1364741.0/15

Left Out: 711.759+/-0.122 χ^2/NDF:1758257.9/22

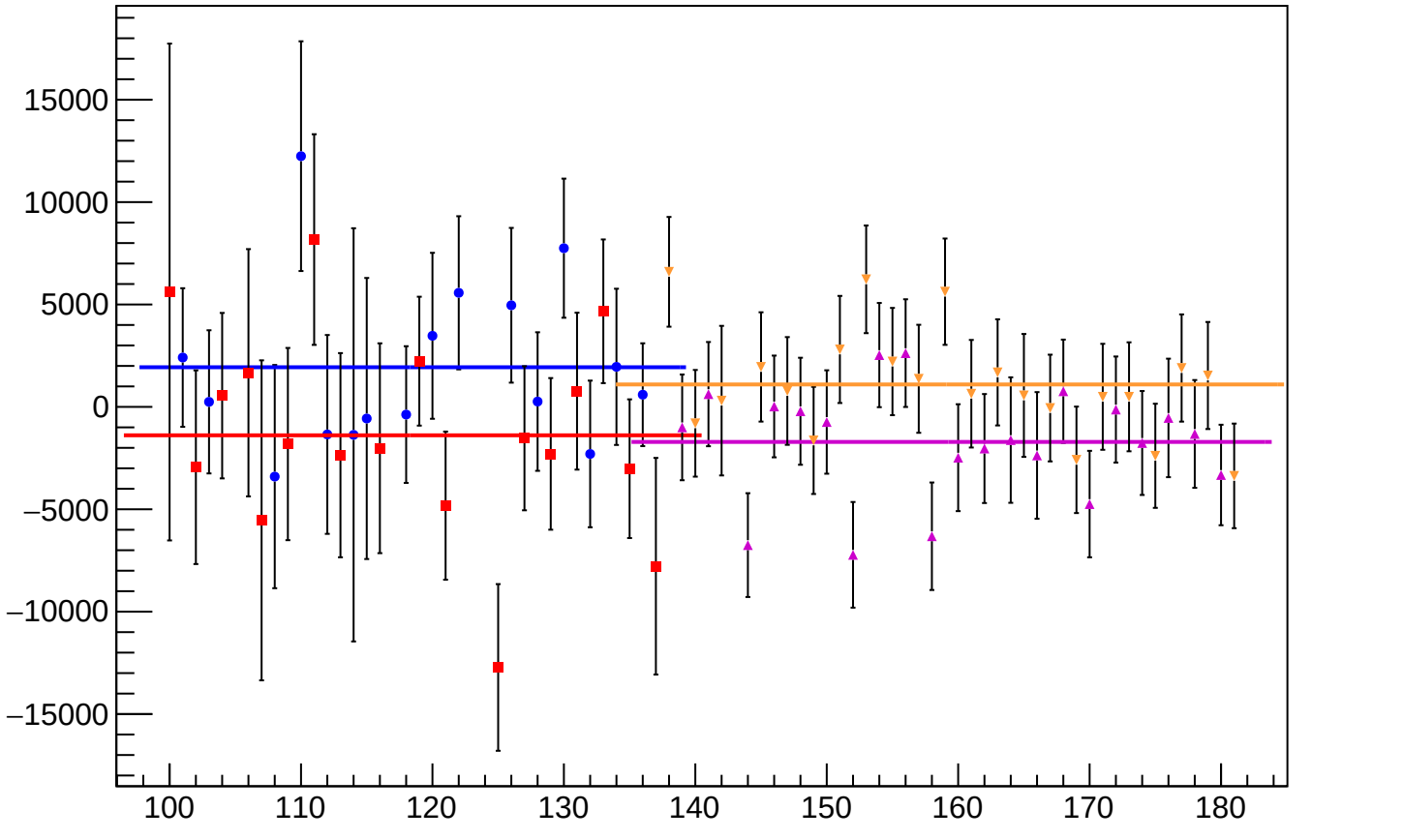
Right Out: 959.344+/-0.282 χ^2/NDF: 2344434.8/18

Left In: 716.008+/-0.127 χ^2/NDF:1964685.4/20

\+ sign 758.565+/-0.112 χ^2/NDF: 4098731.7/38

All: 757.654+/-0.080 χ^2/NDF: 9026476.8/78

\- sign 756.684+/-0.115 χ^2/NDF: 4927608.2/39



Right In: 1935.992+/-962.322 χ^2/NDF: 12.4/15

Left Out: 1095.550+/-566.783 χ^2/NDF:21.0/21

Right Out: -1387.548+/-1009.105 χ^2/NDF: 19.8/17

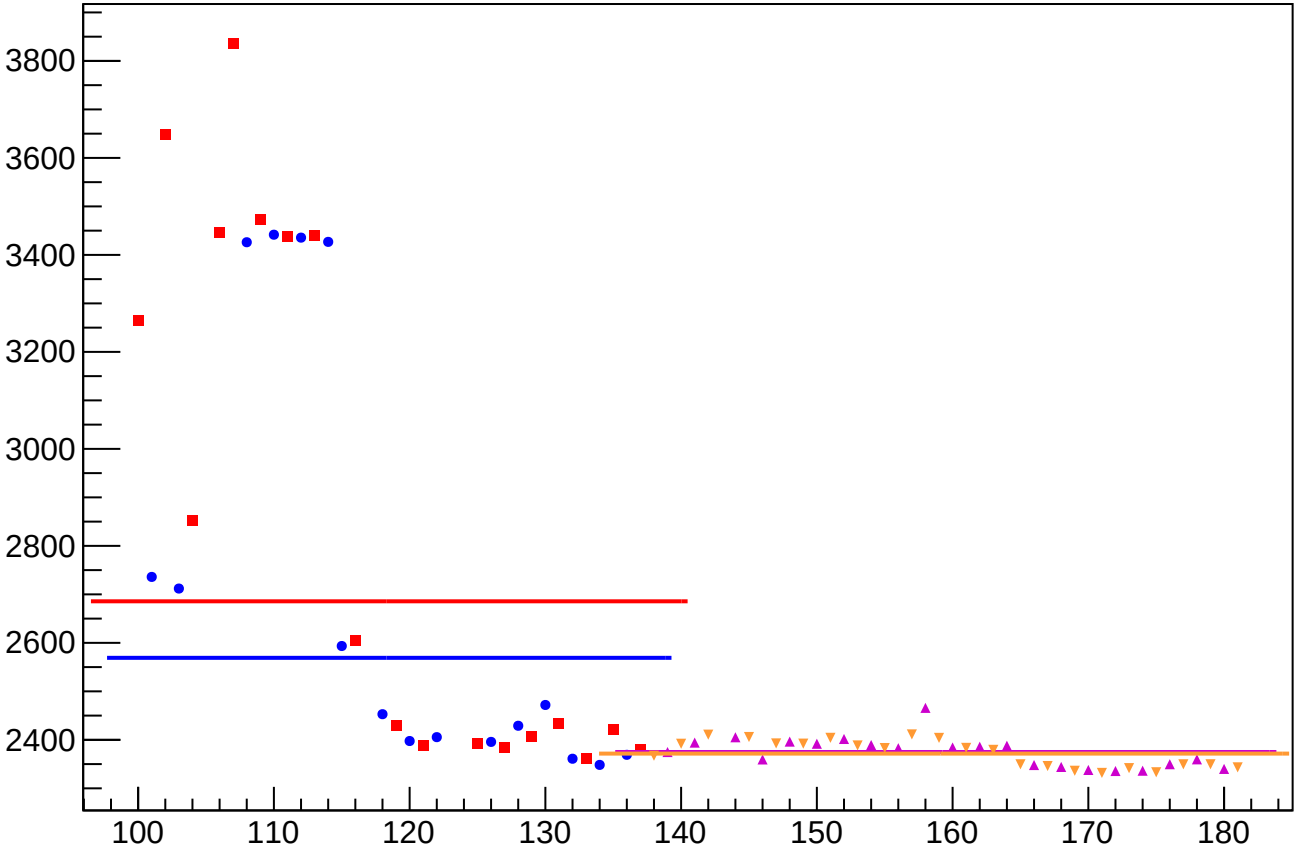
Left In: -1711.026+/-571.777 χ^2/NDF:22.4/20

+ sign 1312.006+/-488.372 χ^2/NDF: 33.9/37

All: -133.034+/-348.503 χ^2/NDF: 94.0/76

- sign -1632.411+/-497.469 χ^2/NDF: 42.3/38

dit_asym_atl1_rms vs Slug



Right In: 2569.130+/-0.680 χ^2/NDF: 229487.5/15

Left Out: 2371.625+/-0.401 χ^2/NDF:4574.8/21

Right Out: 2685.675+/-0.714 χ^2/NDF: 419264.8/17

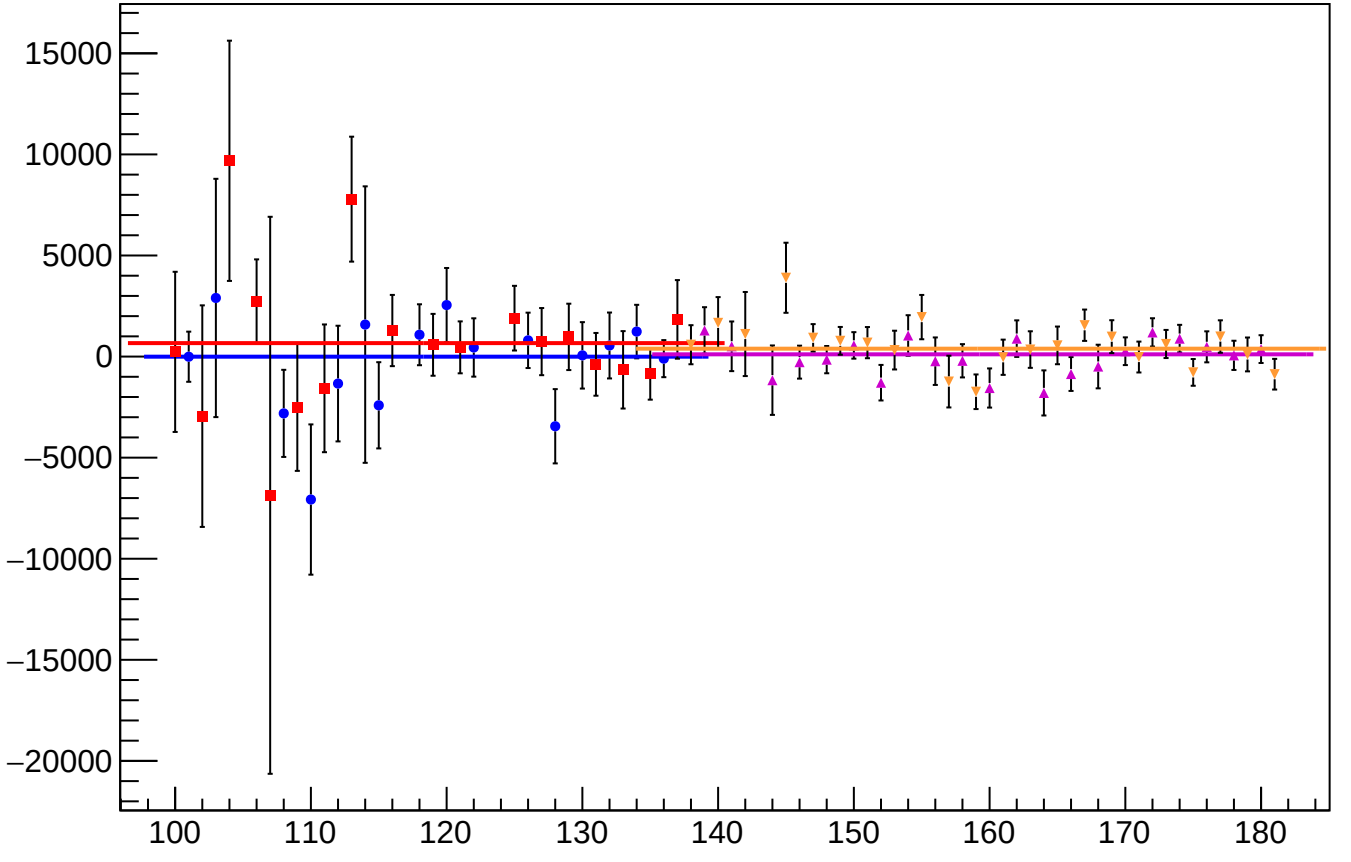
Left In: 2374.937+/-0.404 χ^2/NDF:5901.0/20

+ sign 2422.492+/-0.345 χ^2/NDF: 296610.0/37

All: 2436.216+/-0.246 χ^2/NDF: 868550.5/76

- sign 2450.456+/-0.352 χ^2/NDF: 568722.5/38

asym_atl1_dit_correction_mean vs Slug



Right In: -5.169+/-412.248 χ^2/NDF: 14.5/15

Left Out: 390.218+/-183.214 χ^2/NDF:26.3/21

Right Out: 665.952+/-460.513 χ^2/NDF: 14.4/17

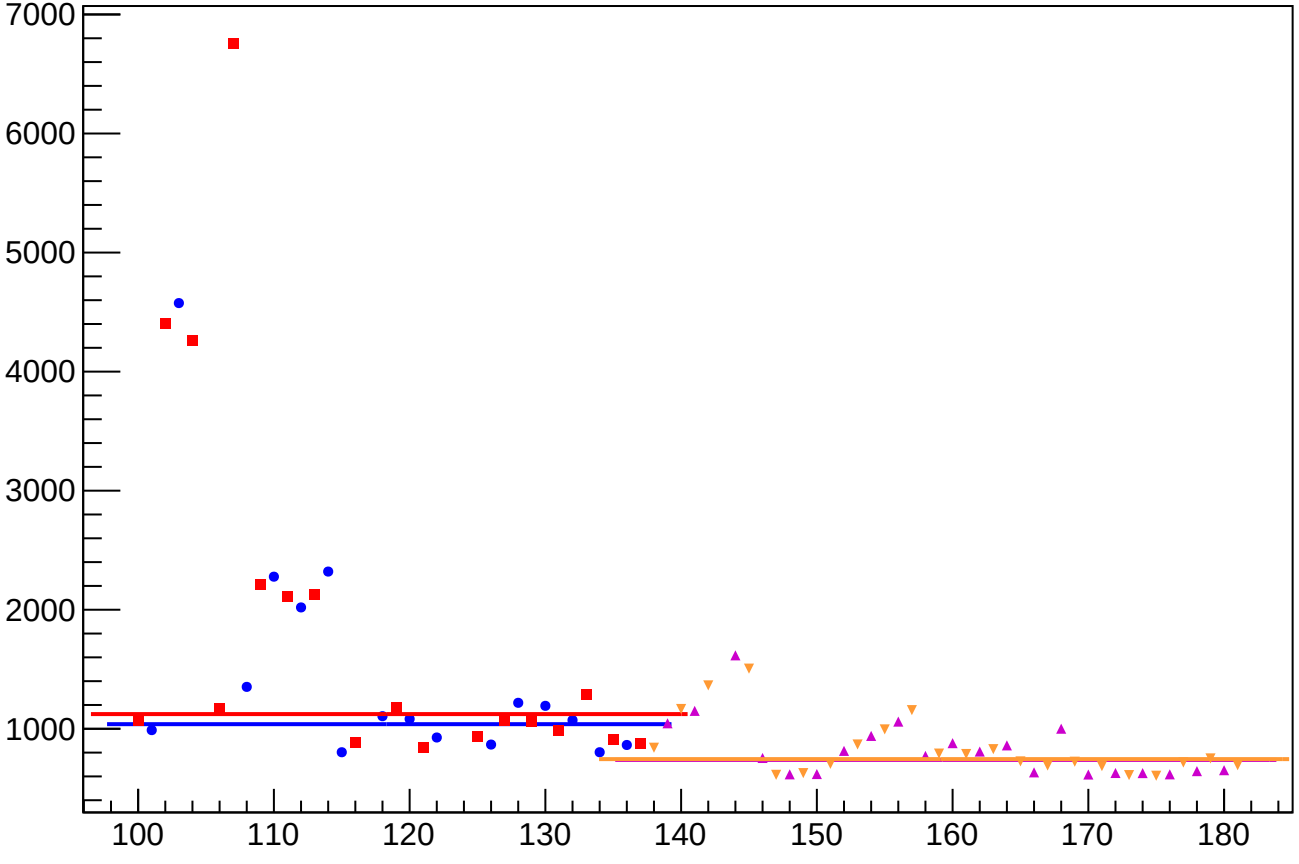
Left In: 111.094+/-183.464 χ^2/NDF:18.6/20

\+ sign 325.004+/-167.424 χ^2/NDF: 41.5/37

All: 257.279+/-119.437 χ^2/NDF: 76.1/76

\- sign 187.095+/-170.436 χ^2/NDF: 34.2/38

asym_atl1_dit_correction_rms vs Slug



Right In: 1038.803+/-0.292 χ^2/NDF: 1539731.1/15

Left Out: 745.227+/-0.130 χ^2/NDF:1510441.4/21

Right Out: 1123.474+/-0.326 χ^2/NDF: 2535511.7/17

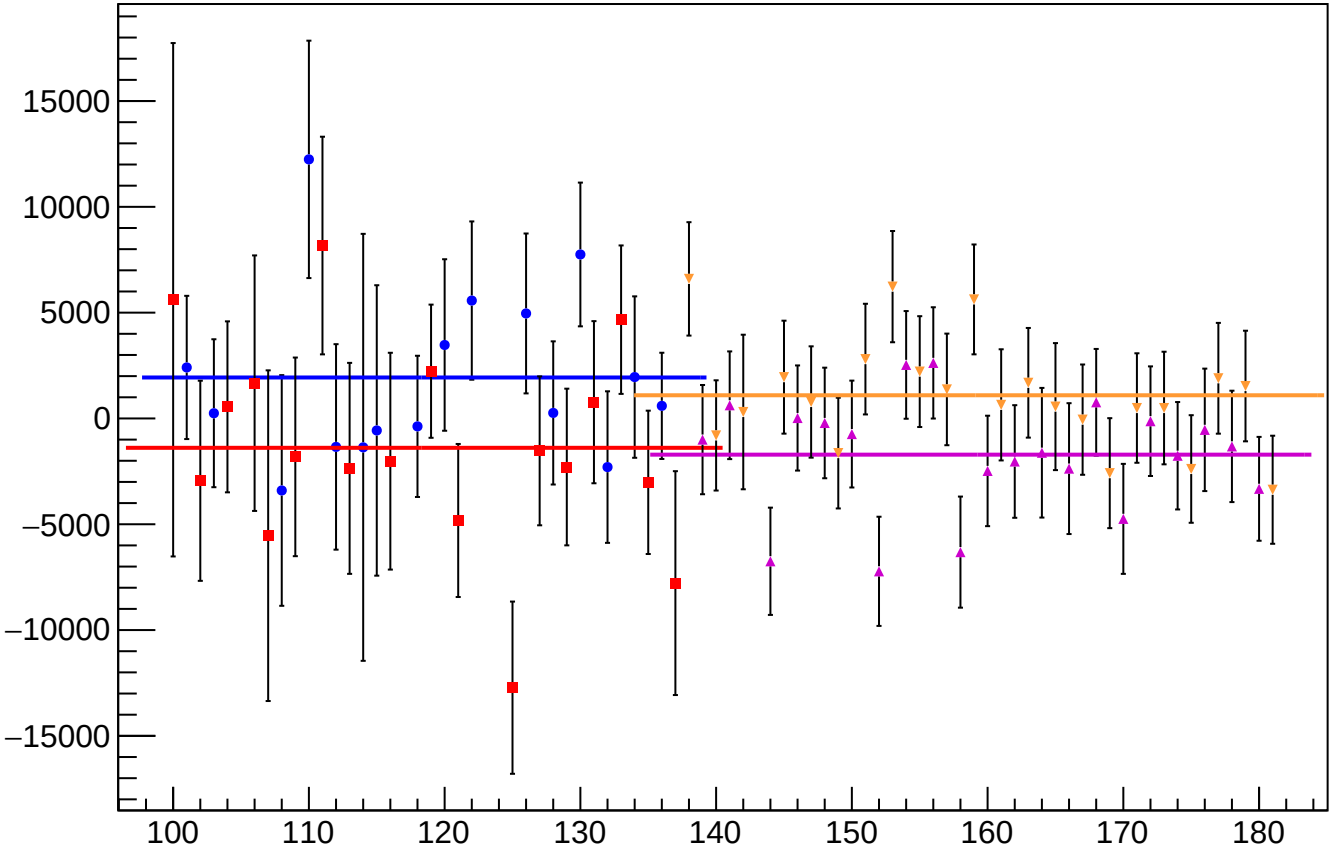
Left In: 738.165+/-0.130 χ^2/NDF:1780310.7/20

+ sign 793.648+/-0.118 χ^2/NDF: 3897154.0/37

All: 792.320+/-0.084 χ^2/NDF: 9421572.9/76

- sign 790.943+/-0.121 χ^2/NDF: 5524162.4/38

eigen_dit_asym_atl1_mean vs Slug



Right In: 1935.988+/-962.322 χ^2/NDF: 12.4/15

Left Out: 1095.551+/-566.783 χ^2/NDF:21.0/21

Right Out: -1387.545+/-1009.105 χ^2/NDF: 19.8/17

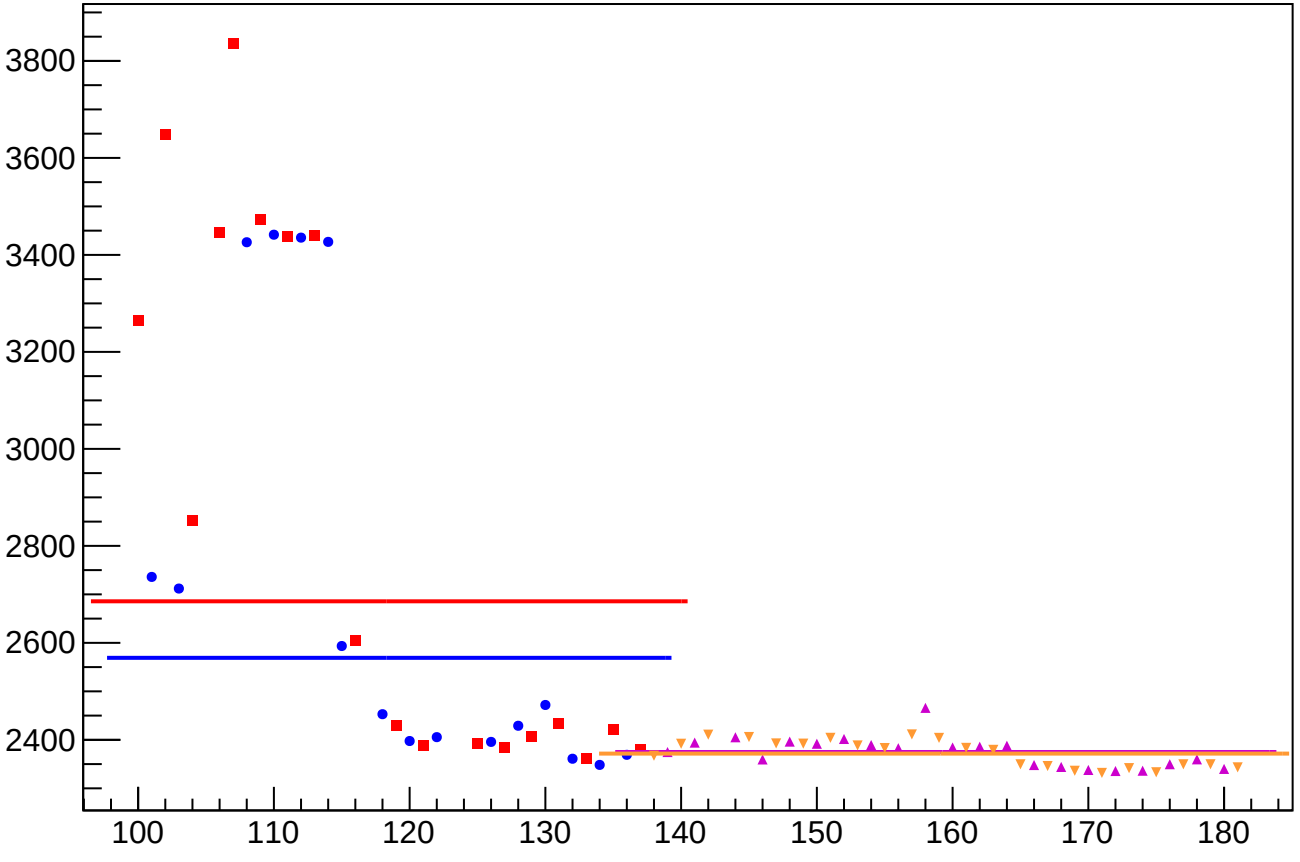
Left In: -1711.027+/-571.777 χ^2/NDF:22.4/20

+ sign 1312.005+/-488.372 χ^2/NDF: 33.9/37

All: -133.034+/-348.503 χ^2/NDF: 94.0/76

- sign -1632.411+/-497.469 χ^2/NDF: 42.3/38

eigen_dit_asym_atl1_rms vs Slug



Right In: 2569.130+/-0.680 χ^2/NDF: 229487.3/15

Left Out: 2371.625+/-0.401 χ^2/NDF:4574.8/21

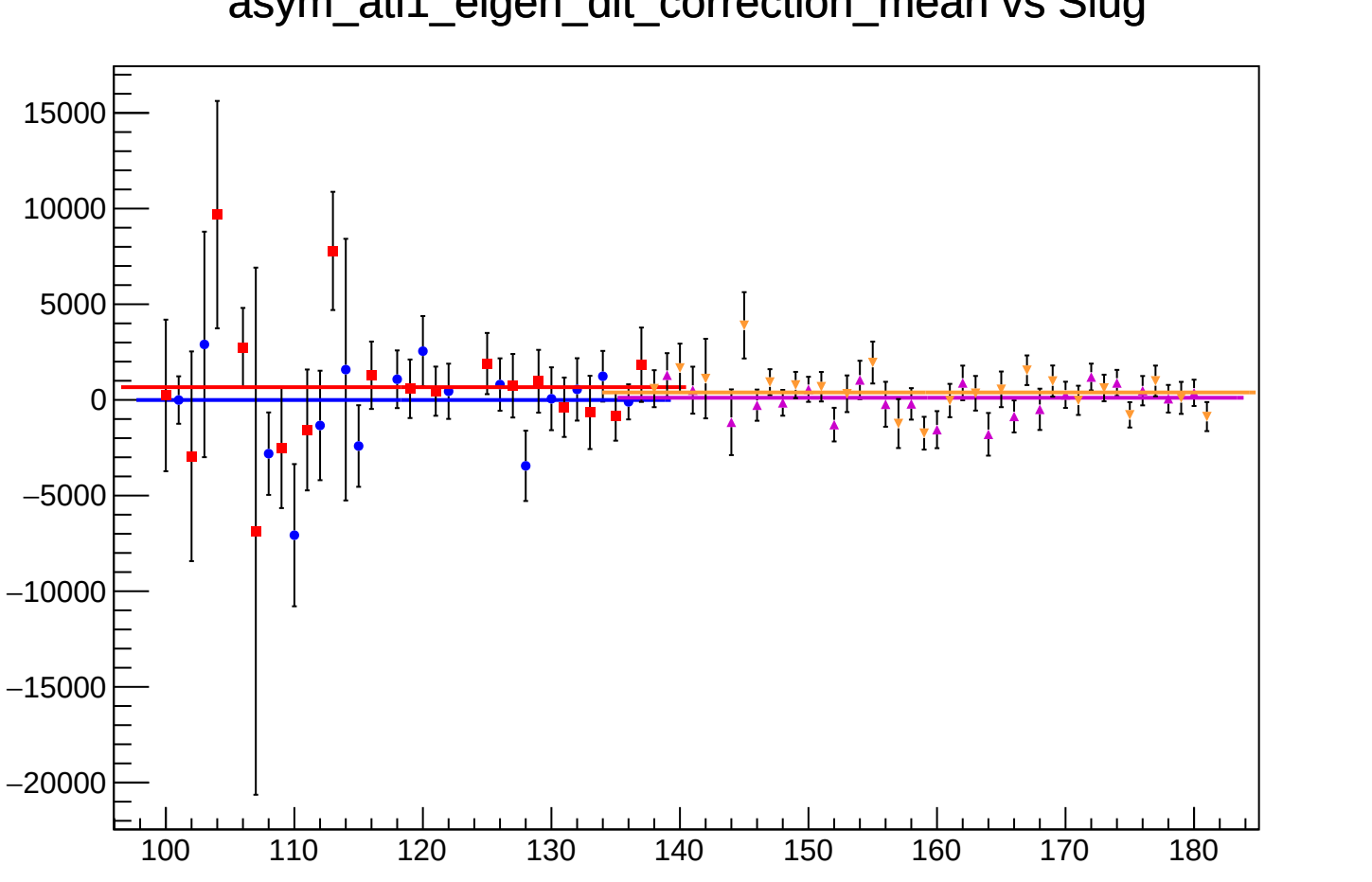
Right Out: 2685.674+/-0.714 χ^2/NDF: 419264.2/17

Left In: 2374.937+/-0.404 χ^2/NDF:5901.0/20

+ sign 2422.492+/-0.345 χ^2/NDF: 296609.6/37

All: 2436.216+/-0.246 χ^2/NDF: 868549.0/76

- sign 2450.456+/-0.352 χ^2/NDF: 568721.5/38



Right In: -5.172+/-412.248 χ^2/NDF: 14.5/15

Left Out: 390.218+/-183.214 χ^2/NDF:26.3/21

Right Out: 665.953+/-460.513 χ^2/NDF: 14.4/17

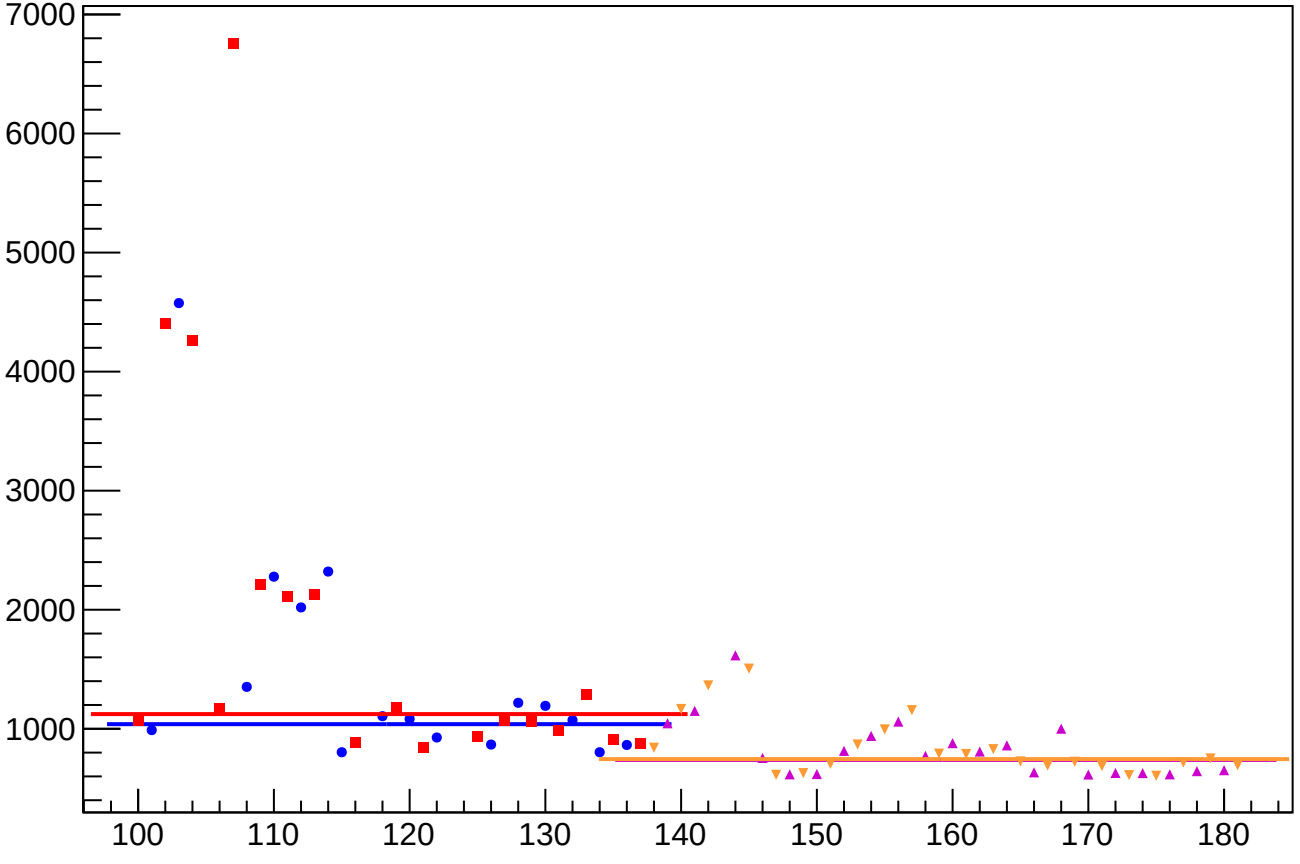
Left In: 111.094+/-183.464 χ^2/NDF:18.6/20

\+ sign 325.004+/-167.424 χ^2/NDF: 41.5/37

All: 257.279+/-119.438 χ^2/NDF: 76.1/76

\- sign 187.096+/-170.437 χ^2/NDF: 34.2/38

asym_atl1_eigen_dit_correction_rms vs Slug



Right In: 1038.804+/-0.292 χ^2/NDF: 1539724.8/15

Left Out: 745.228+/-0.130 χ^2/NDF:1510439.6/21

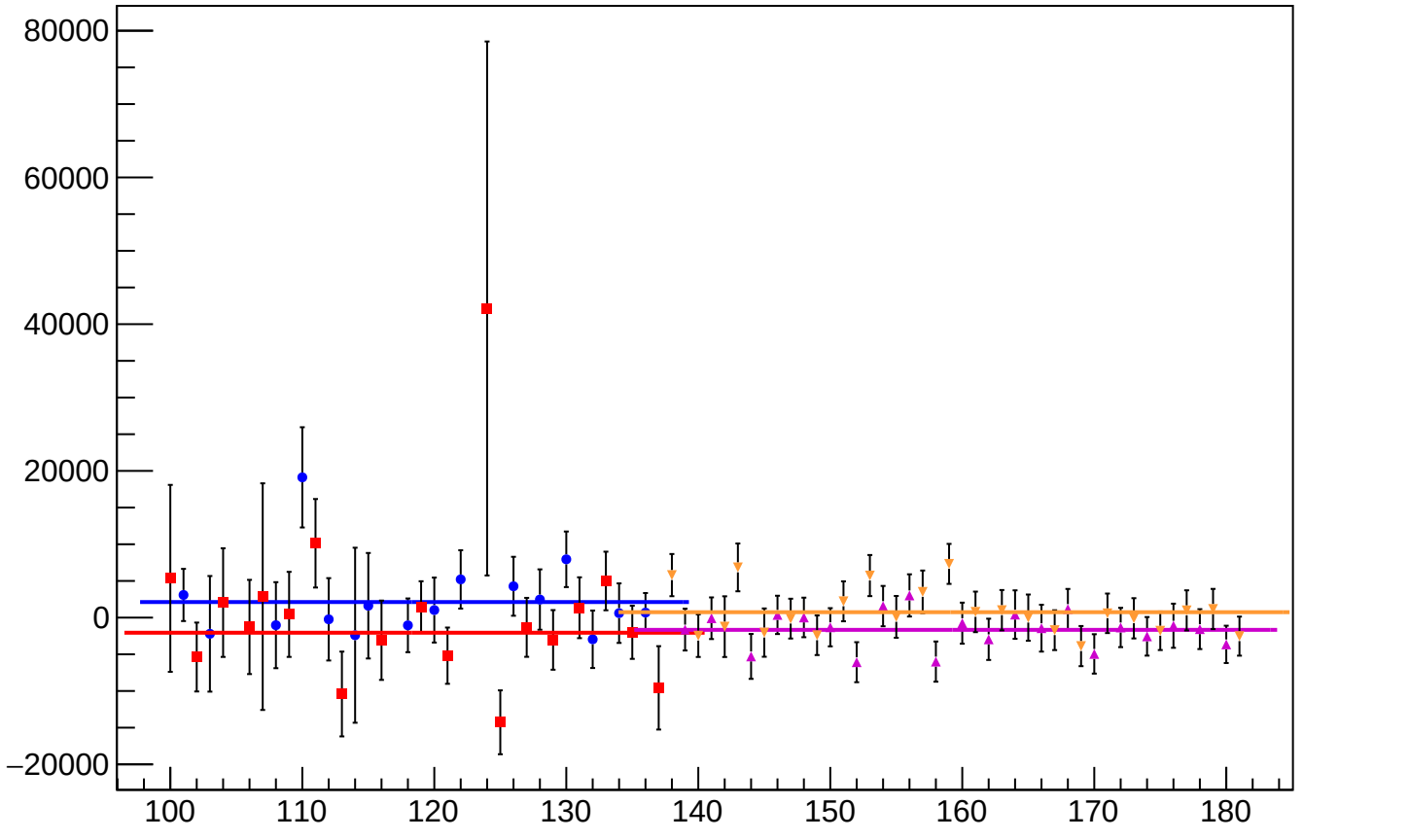
Right Out: 1123.474+/-0.326 χ^2/NDF: 2535509.9/17

Left In: 738.166+/-0.130 χ^2/NDF:1780307.4/20

\+ sign 793.650+/-0.118 χ^2/NDF: 3897140.7/37

All: 792.321+/-0.084 χ^2/NDF: 9421545.0/76

\- sign 790.944+/-0.121 χ^2/NDF: 5524147.8/38



Right In: 2121.991+/-1084.700 χ^2/NDF: 13.4/15

Left Out: 740.745+/-592.083 χ^2/NDF:26.8/22

Right Out: -2059.741+/-1136.807 χ^2/NDF: 24.3/18

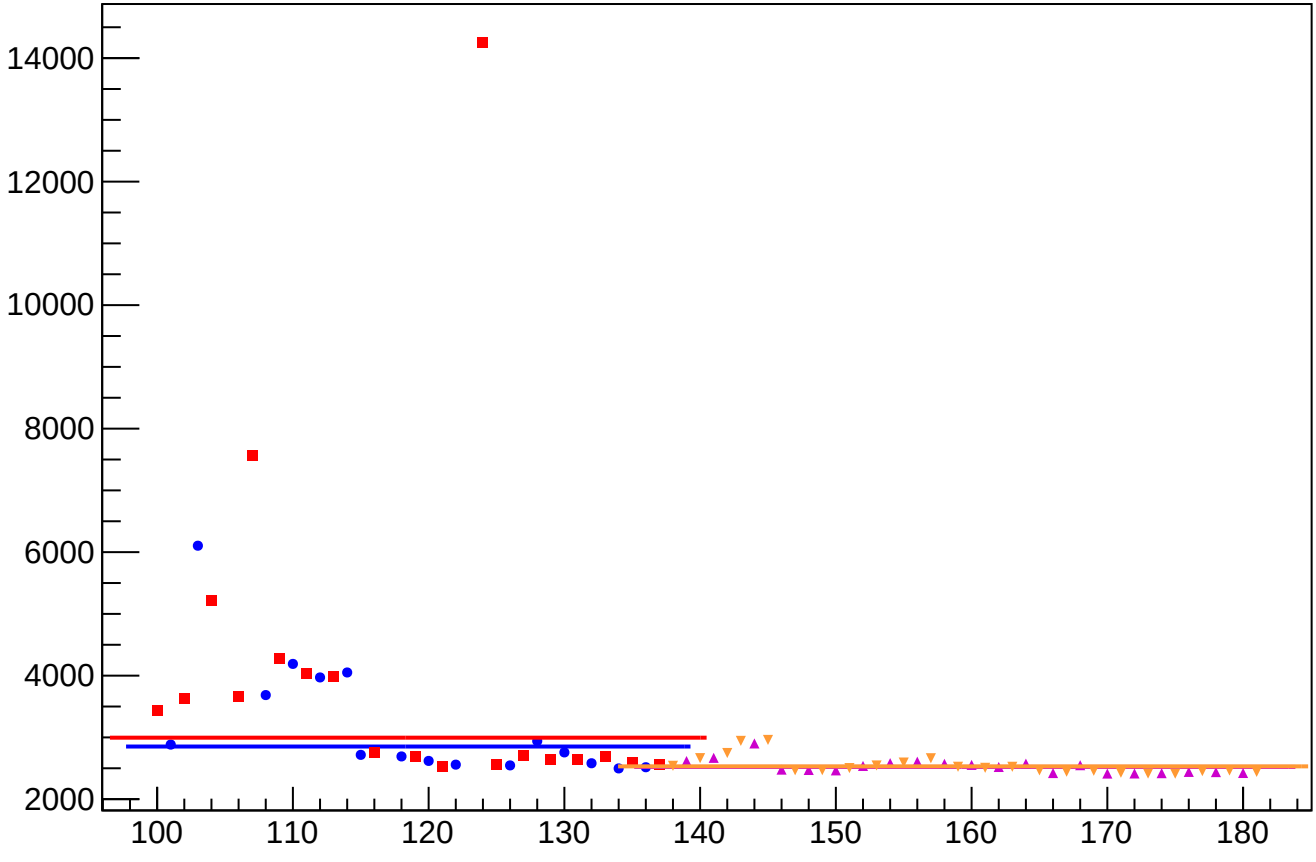
Left In: -1668.132+/-607.796 χ^2/NDF:15.9/20

+ sign 1057.817+/-519.701 χ^2/NDF: 41.4/38

All: -305.273+/-373.112 χ^2/NDF: 95.9/78

- sign -1755.189+/-535.997 χ^2/NDF: 40.3/39

asym_atl1_rms vs Slug



Right In: 2852.206+/-0.767 χ^2/NDF: 648715.2/15

Left Out: 2531.009+/-0.419 χ^2/NDF:103151.3/22

Right Out: 2995.525+/-0.804 χ^2/NDF: 979168.6/18

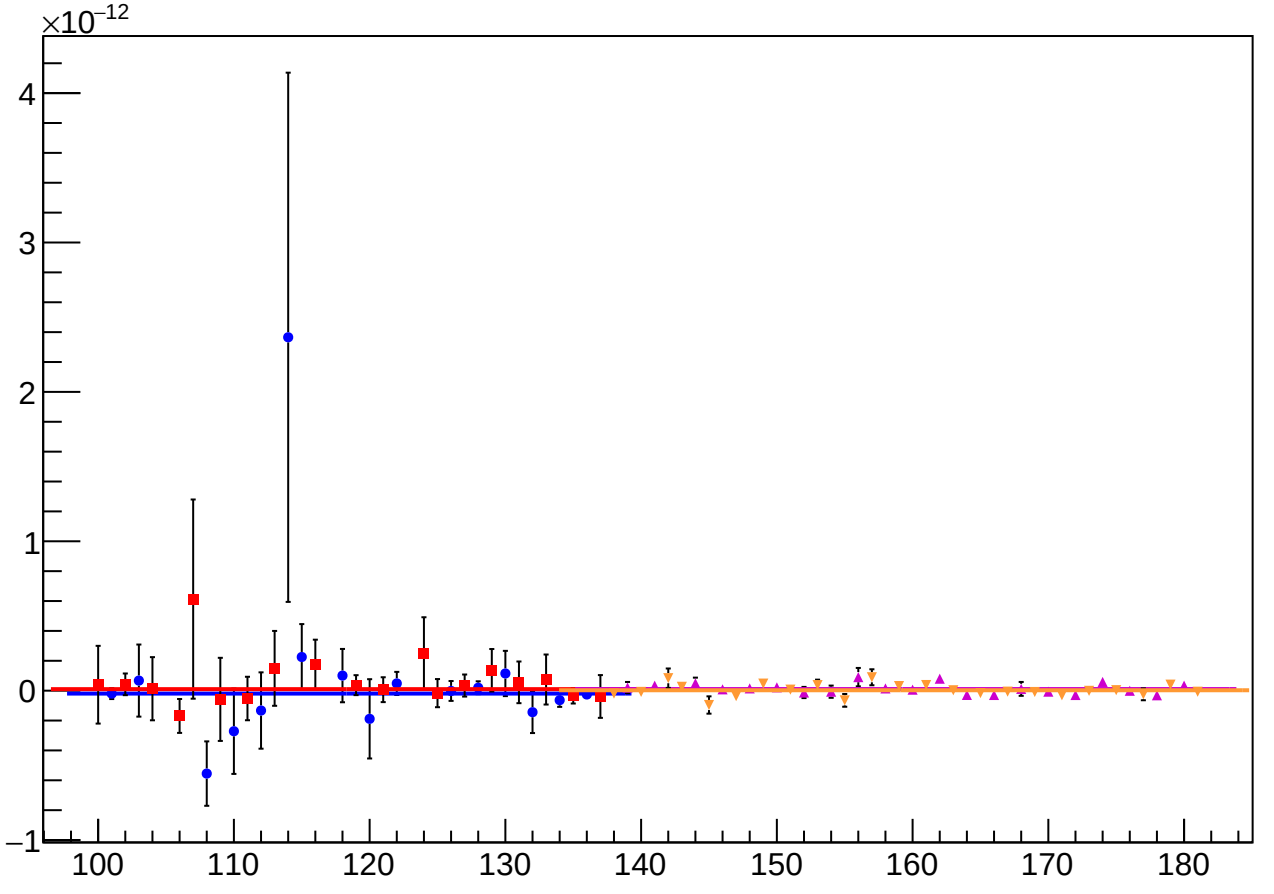
Left In: 2521.990+/-0.430 χ^2/NDF:62605.2/20

+ sign 2604.741+/-0.367 χ^2/NDF: 886978.7/38

All: 2615.653+/-0.264 χ^2/NDF: 2200452.0/78

- sign 2627.259+/-0.379 χ^2/NDF: 1311653.8/39

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:27.1/22

Right Out: 0.000+/-0.000 χ^2/NDF: 8.3/18

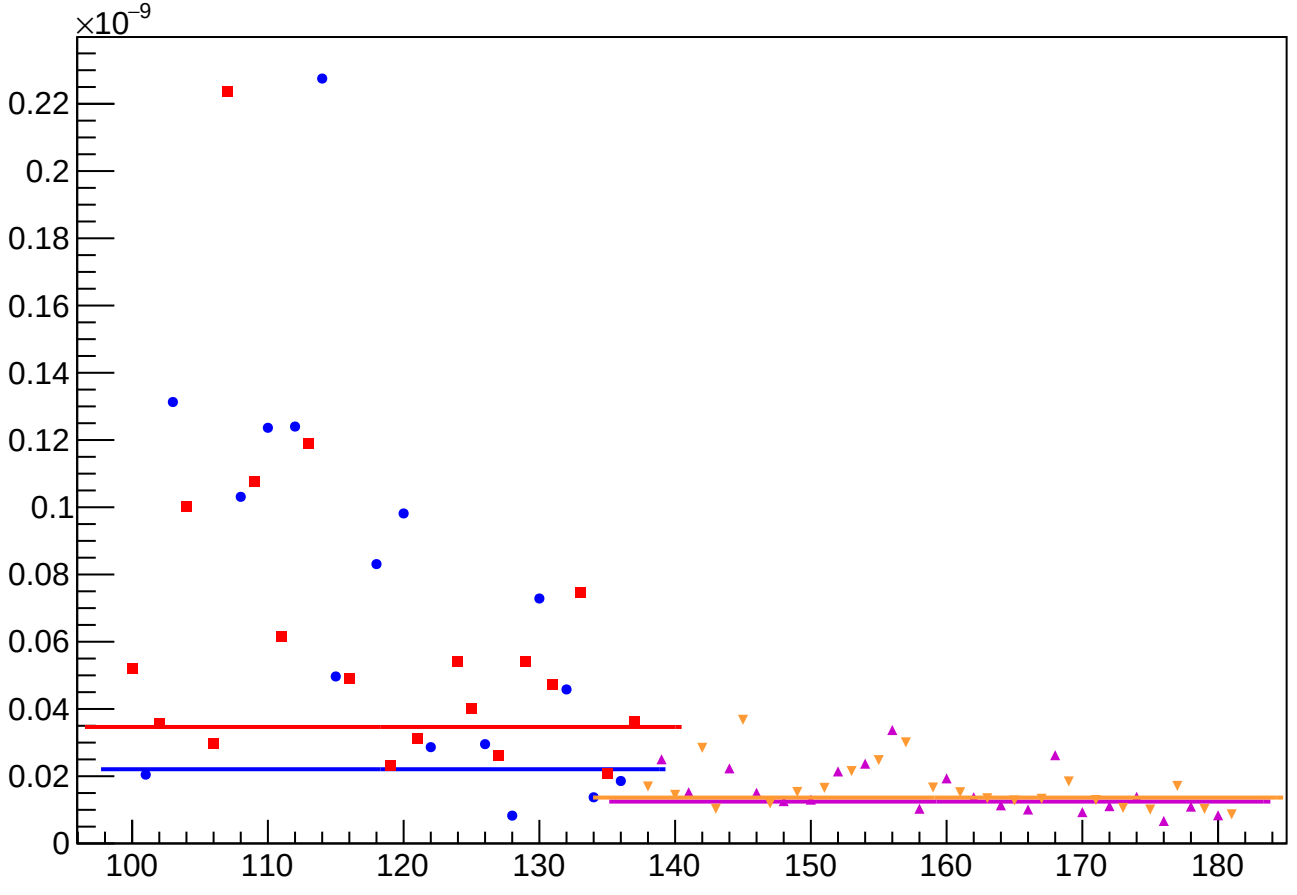
Left In: 0.000+/-0.000 χ^2/NDF:31.1/20

+ sign 0.000+/-0.000 χ^2/NDF: 44.1/38

All: 0.000+/-0.000 χ^2/NDF: 85.4/78

- sign 0.000+/-0.000 χ^2/NDF: 39.5/39

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:1349553.3/22

Right Out: 0.000+/-0.000 χ^2/NDF: 1242991.9/18

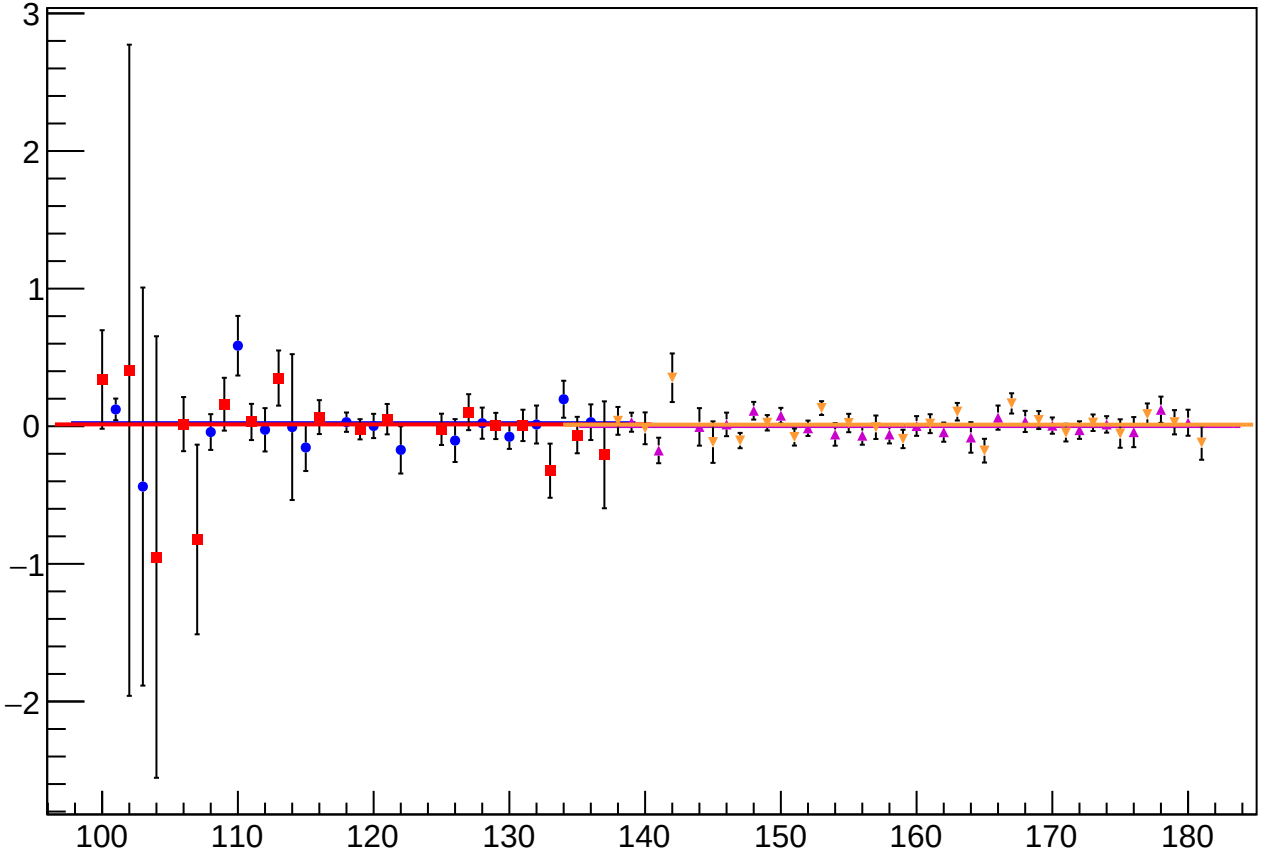
Left In: 0.000+/-0.000 χ^2/NDF:1662177.5/20

+ sign 0.000+/-0.000 χ^2/NDF: 4133084.6/38

All: 0.000+/-0.000 χ^2/NDF: 8640912.5/78

- sign 0.000+/-0.000 χ^2/NDF: 4477823.8/39

asym_atl1_dit_vs_cor_diff_mean vs Slug



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.012+/-0.016 χ^2/NDF:34.3/21

Right Out: 0.013+/-0.033 χ^2/NDF: 10.8/17

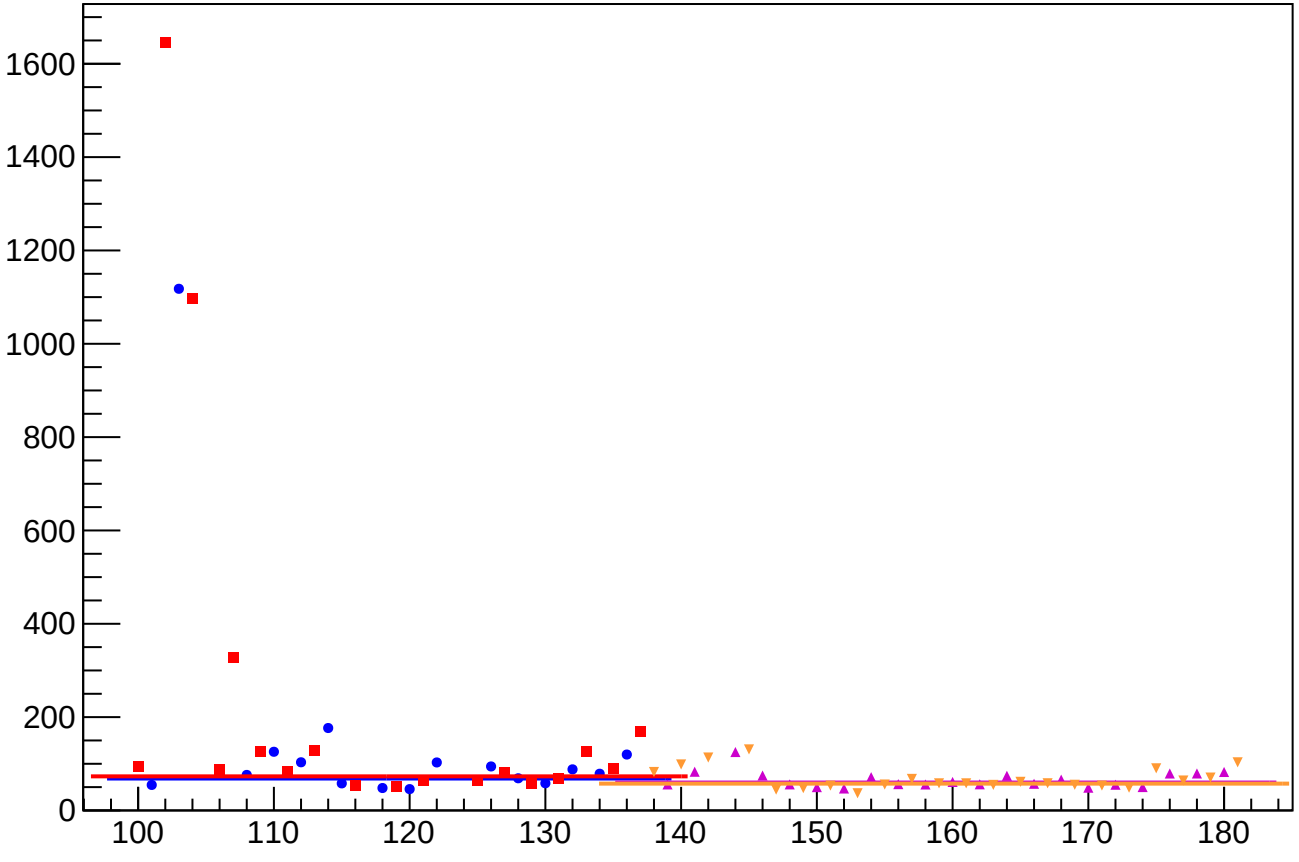
Left In: 0.001+/-0.016 χ^2/NDF:14.9/20

+ sign 0.014+/-0.014 χ^2/NDF: 49.2/37

All: 0.009+/-0.010 χ^2/NDF: 75.2/76

- sign 0.004+/-0.014 χ^2/NDF: 25.8/38

asym_atl1_dit_vs_cor_diff_rms vs Slug



Right In: 68.429+/-0.021 χ^2/NDF: 2278083.9/15

Left Out: 57.494+/-0.011 χ^2/NDF:2182477.7/21

Right Out: 73.072+/-0.024 χ^2/NDF: 2913147.6/17

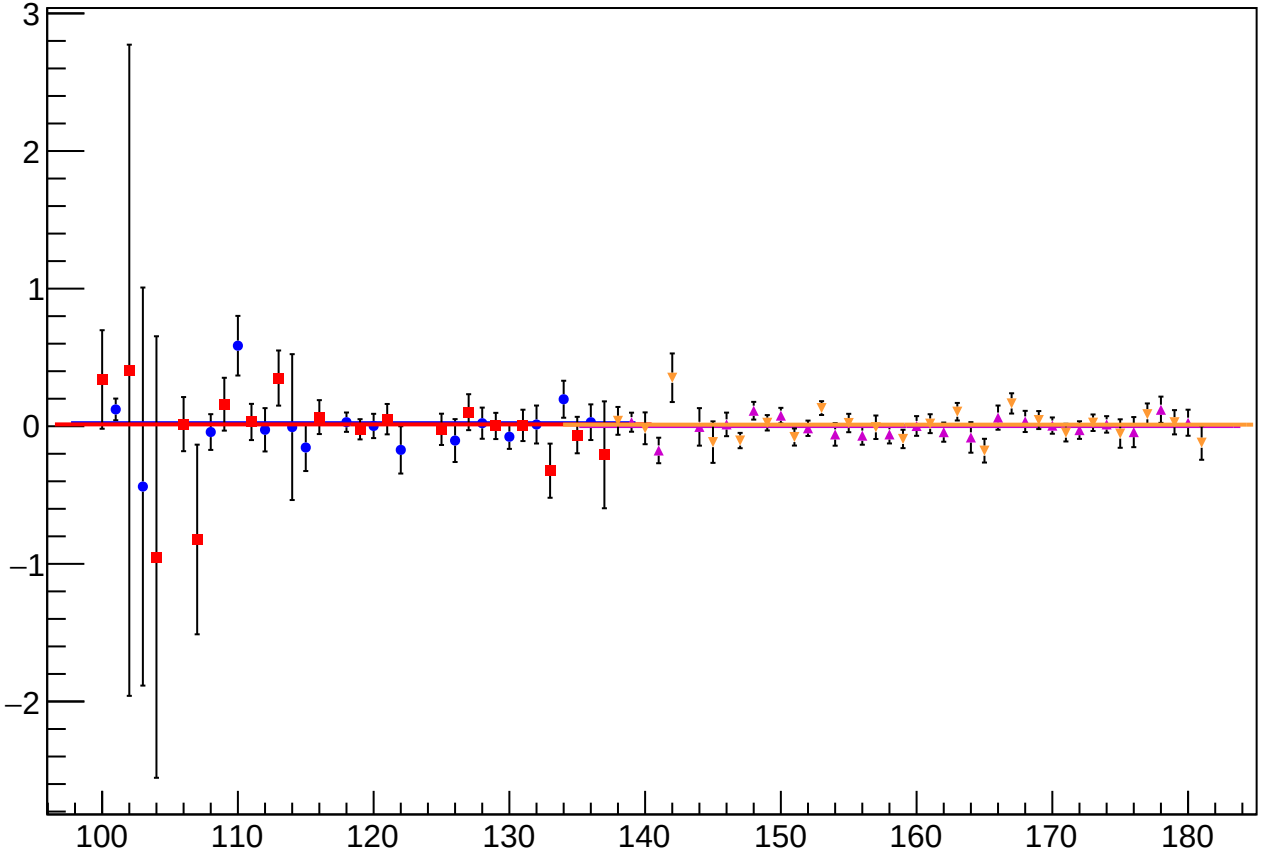
Left In: 59.823+/-0.011 χ^2/NDF:1327272.1/20

\+ sign 59.801+/-0.010 χ^2/NDF: 4668155.5/37

All: 60.994+/-0.007 χ^2/NDF: 9194414.9/76

\- sign 62.291+/-0.010 χ^2/NDF: 4495305.4/38

asym_atl1_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.012+/-0.016 χ^2/NDF:34.3/21

Right Out: 0.013+/-0.033 χ^2/NDF: 10.8/17

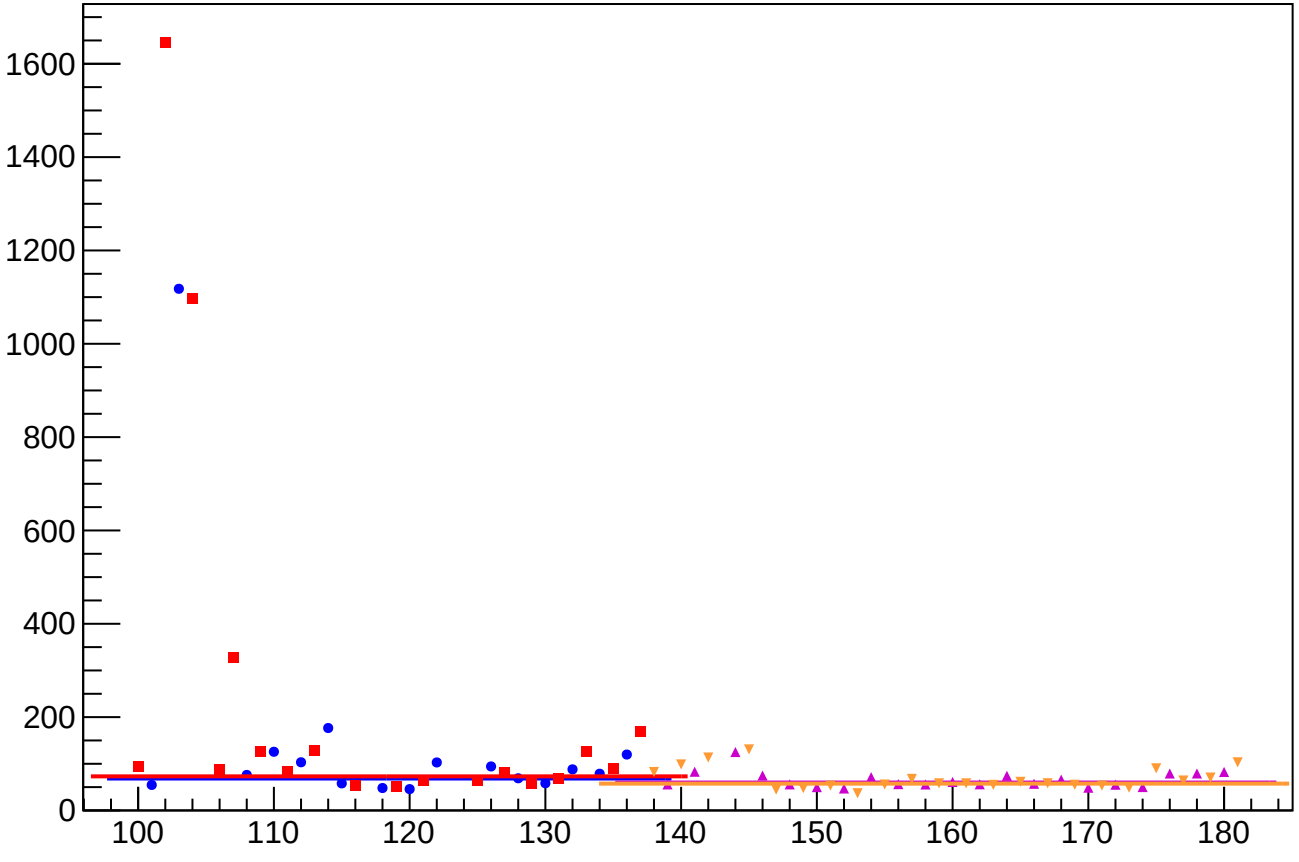
Left In: 0.001+/-0.016 χ^2/NDF:14.9/20

+ sign 0.014+/-0.014 χ^2/NDF: 49.2/37

All: 0.009+/-0.010 χ^2/NDF: 75.2/76

- sign 0.004+/-0.014 χ^2/NDF: 25.8/38

asym_atl1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 68.429+/-0.021 χ^2/NDF: 2278083.9/15

Left Out: 57.494+/-0.011 χ^2/NDF:2182477.7/21

Right Out: 73.072+/-0.024 χ^2/NDF: 2913147.6/17

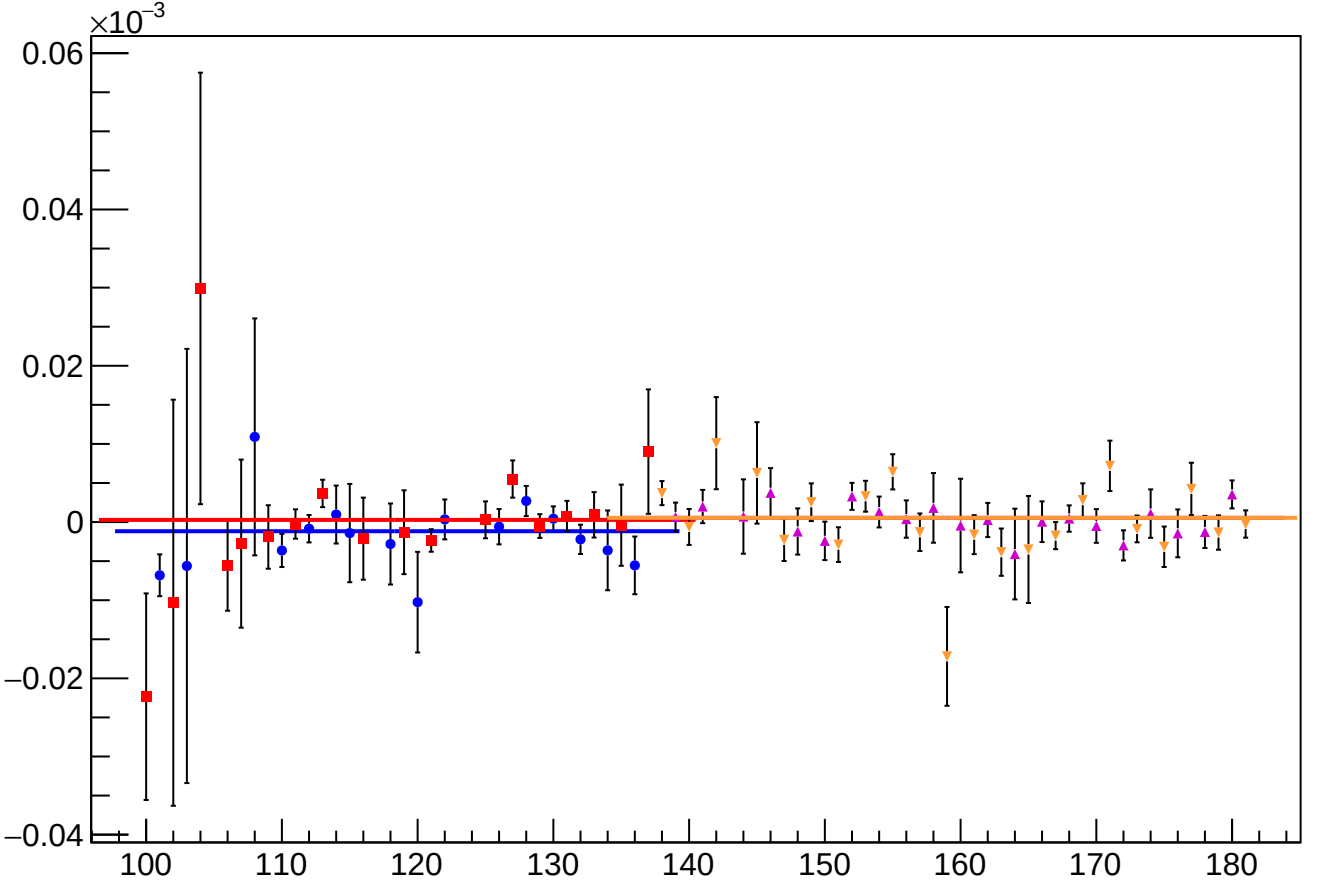
Left In: 59.823+/-0.011 χ^2/NDF:1327272.1/20

+ sign 59.801+/-0.010 χ^2/NDF: 4668155.5/37

All: 60.994+/-0.007 χ^2/NDF: 9194414.9/76

- sign 62.291+/-0.010 χ^2/NDF: 4495305.4/38

asym_atl1_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 16.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:44.4/21

Right Out: 0.000+/-0.000 χ^2/NDF: 19.5/17

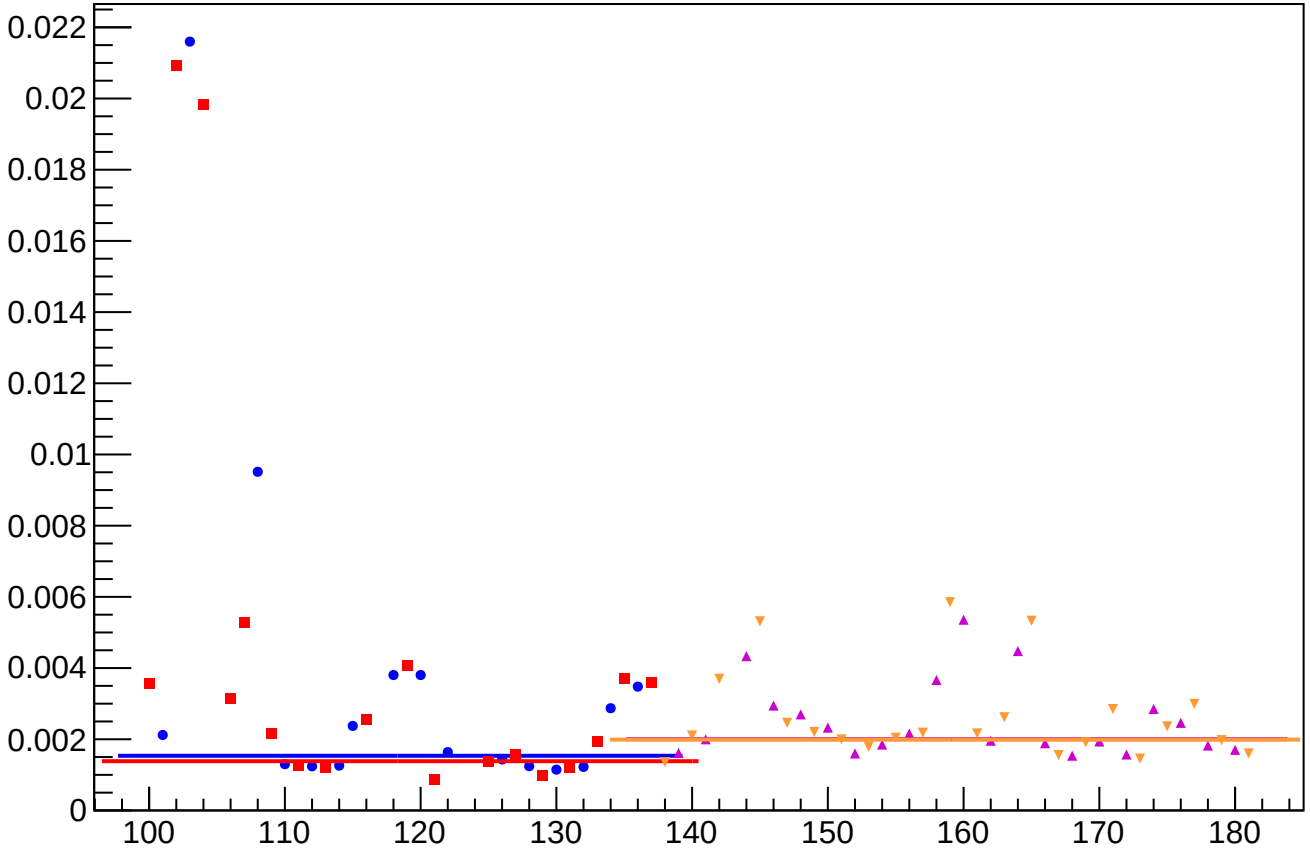
Left In: 0.000+/-0.000 χ^2/NDF:14.3/20

+ sign -0.000+/-0.000 χ^2/NDF: 64.9/37

All: 0.000+/-0.000 χ^2/NDF: 99.8/76

- sign 0.000+/-0.000 χ^2/NDF: 34.0/38

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:3245059.2/21

Right Out: 0.001+/-0.000 χ^2/NDF: 4269081.2/17

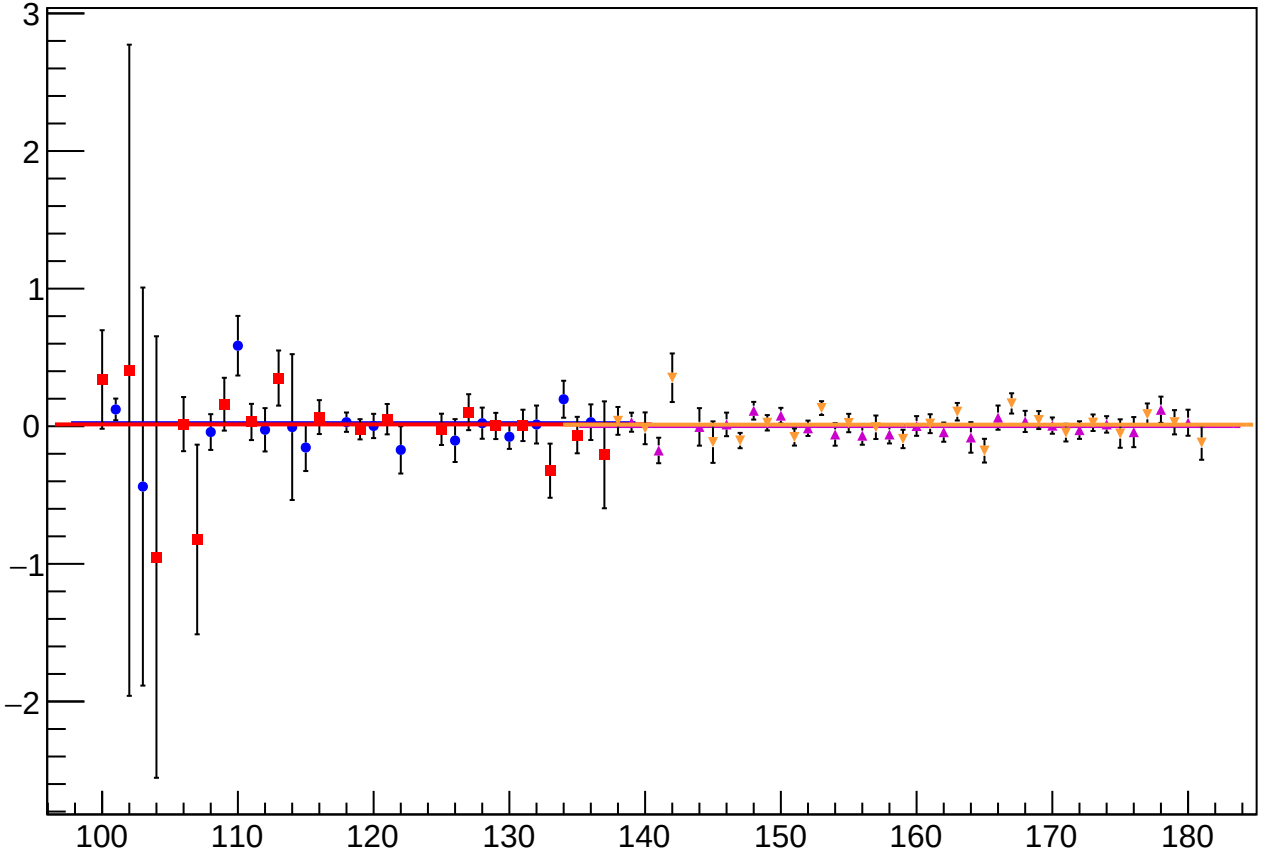
Left In: 0.002+/-0.000 χ^2/NDF:2816401.5/20

+ sign 0.002+/-0.000 χ^2/NDF: 7208603.8/37

All: 0.002+/-0.000 χ^2/NDF: 15473373.5/76

- sign 0.002+/-0.000 χ^2/NDF: 8237926.7/38

asym_atl1_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.012+/-0.016 χ^2/NDF:34.3/21

Right Out: 0.013+/-0.033 χ^2/NDF: 10.8/17

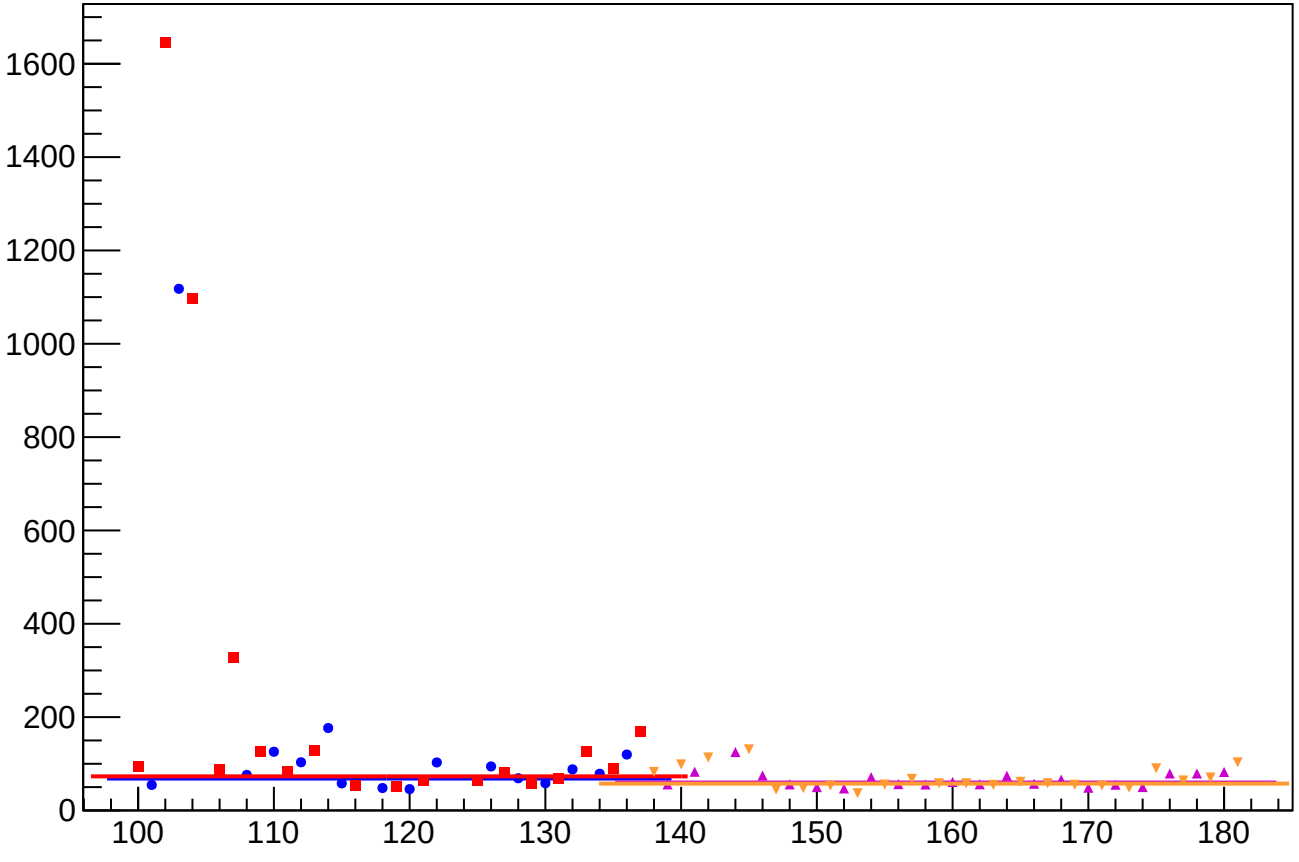
Left In: 0.001+/-0.016 χ^2/NDF:14.9/20

+ sign 0.014+/-0.014 χ^2/NDF: 49.2/37

All: 0.009+/-0.010 χ^2/NDF: 75.2/76

- sign 0.004+/-0.014 χ^2/NDF: 25.8/38

asym_atl1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 68.428+/-0.021 χ^2/NDF: 2278168.9/15

Left Out: 57.494+/-0.011 χ^2/NDF:2182551.8/21

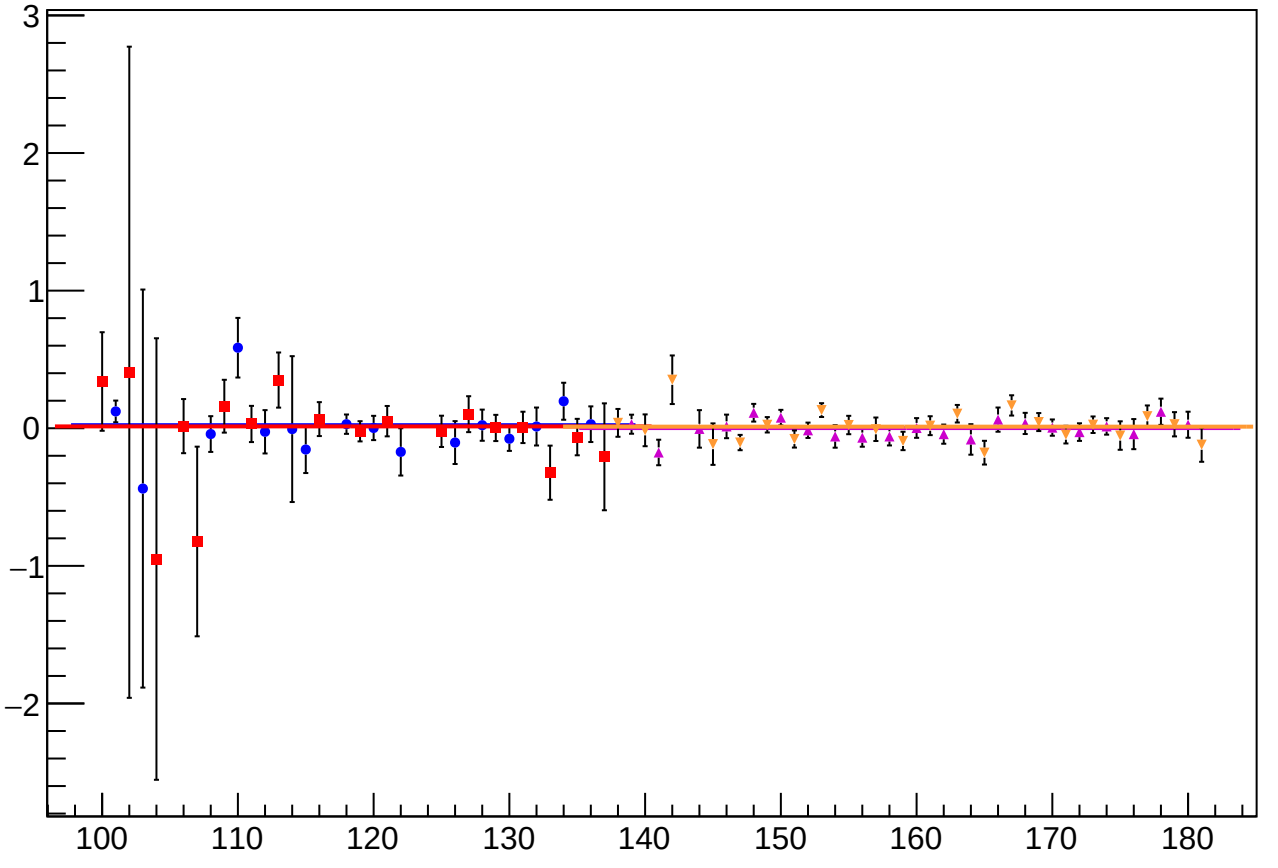
Right Out: 73.072+/-0.024 χ^2/NDF: 2913161.9/17

Left In: 59.823+/-0.011 χ^2/NDF:1327255.5/20

\+ sign 59.801+/-0.010 χ^2/NDF: 4668279.4/37

All: 60.994+/-0.007 χ^2/NDF: 9194515.4/76

\- sign 62.292+/-0.010 χ^2/NDF: 4495275.8/38



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.012+/-0.016 χ^2/NDF:34.3/21

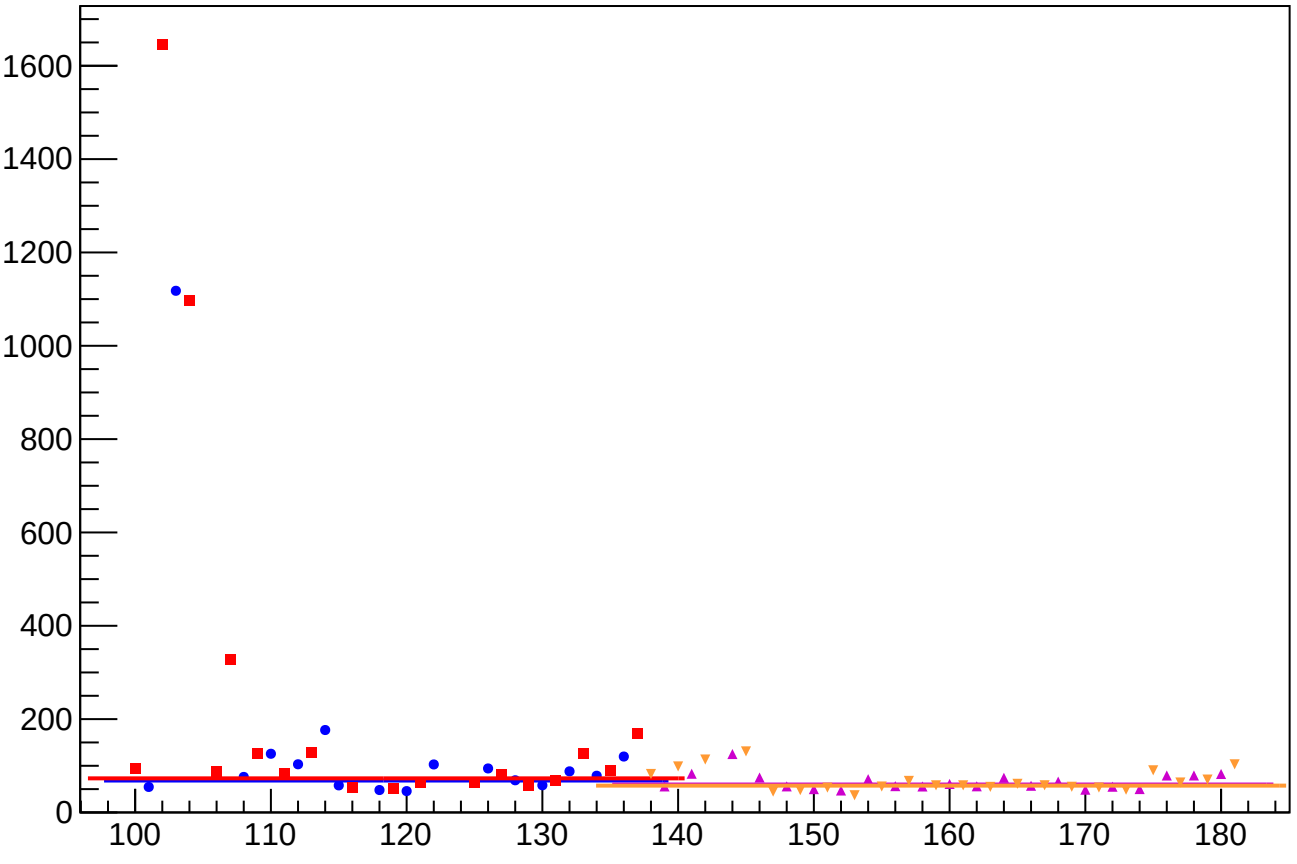
Right Out: 0.013+/-0.033 χ^2/NDF: 10.8/17

Left In: 0.001+/-0.016 χ^2/NDF:14.9/20

\+ sign 0.014+/-0.014 χ^2/NDF: 49.2/37

All: 0.009+/-0.010 χ^2/NDF: 75.2/76

\- sign 0.004+/-0.014 χ^2/NDF: 25.8/38



Right In: 68.428+/-0.021 χ^2/NDF: 2278168.9/15

Left Out: 57.494+/-0.011 χ^2/NDF:2182551.8/21

Right Out: 73.072+/-0.024 χ^2/NDF: 2913161.9/17

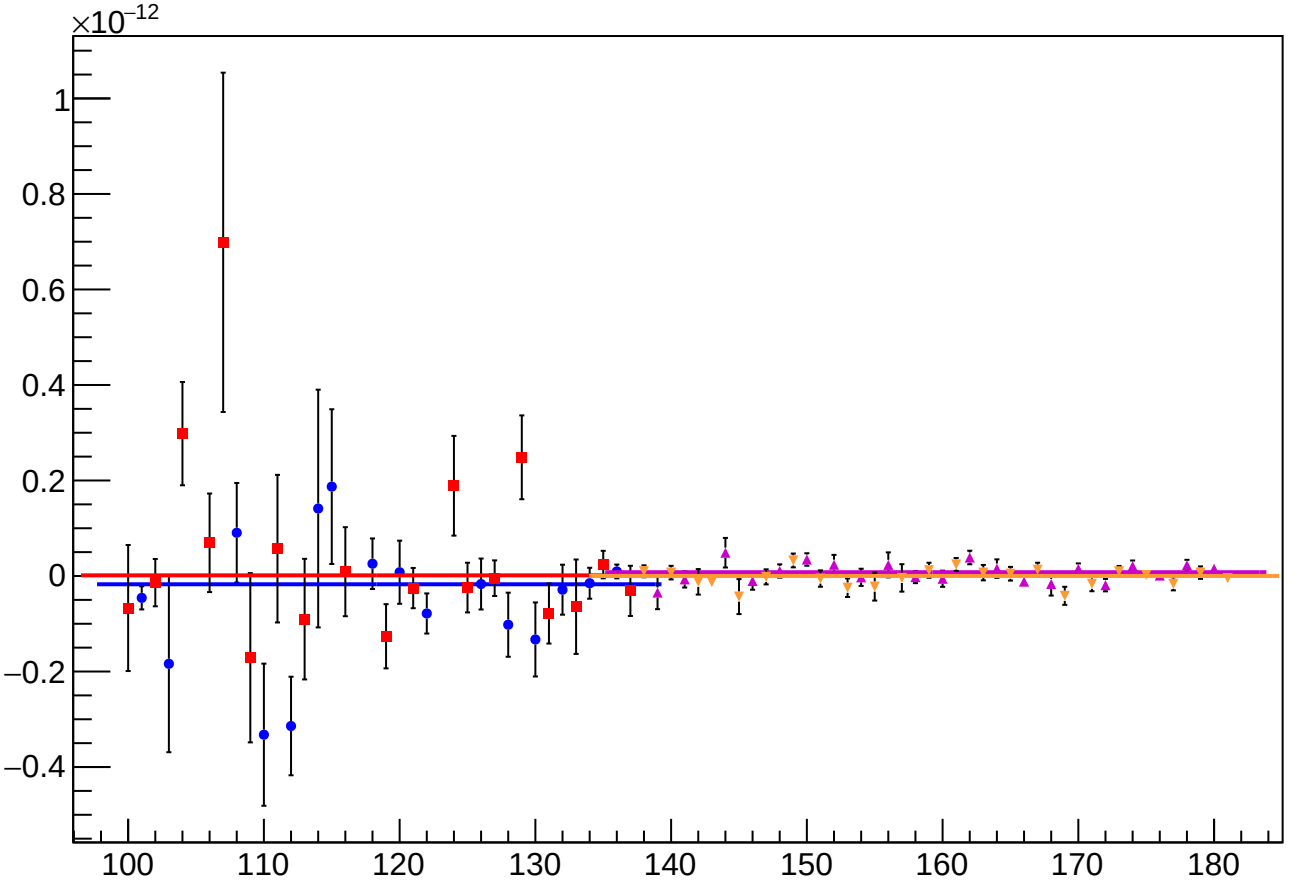
Left In: 59.823+/-0.011 χ^2/NDF:1327255.5/20

\+ sign 59.801+/-0.010 χ^2/NDF: 4668279.4/37

All: 60.994+/-0.007 χ^2/NDF: 9194515.4/76

\- sign 62.292+/-0.010 χ^2/NDF: 4495275.8/38

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:25.3/22

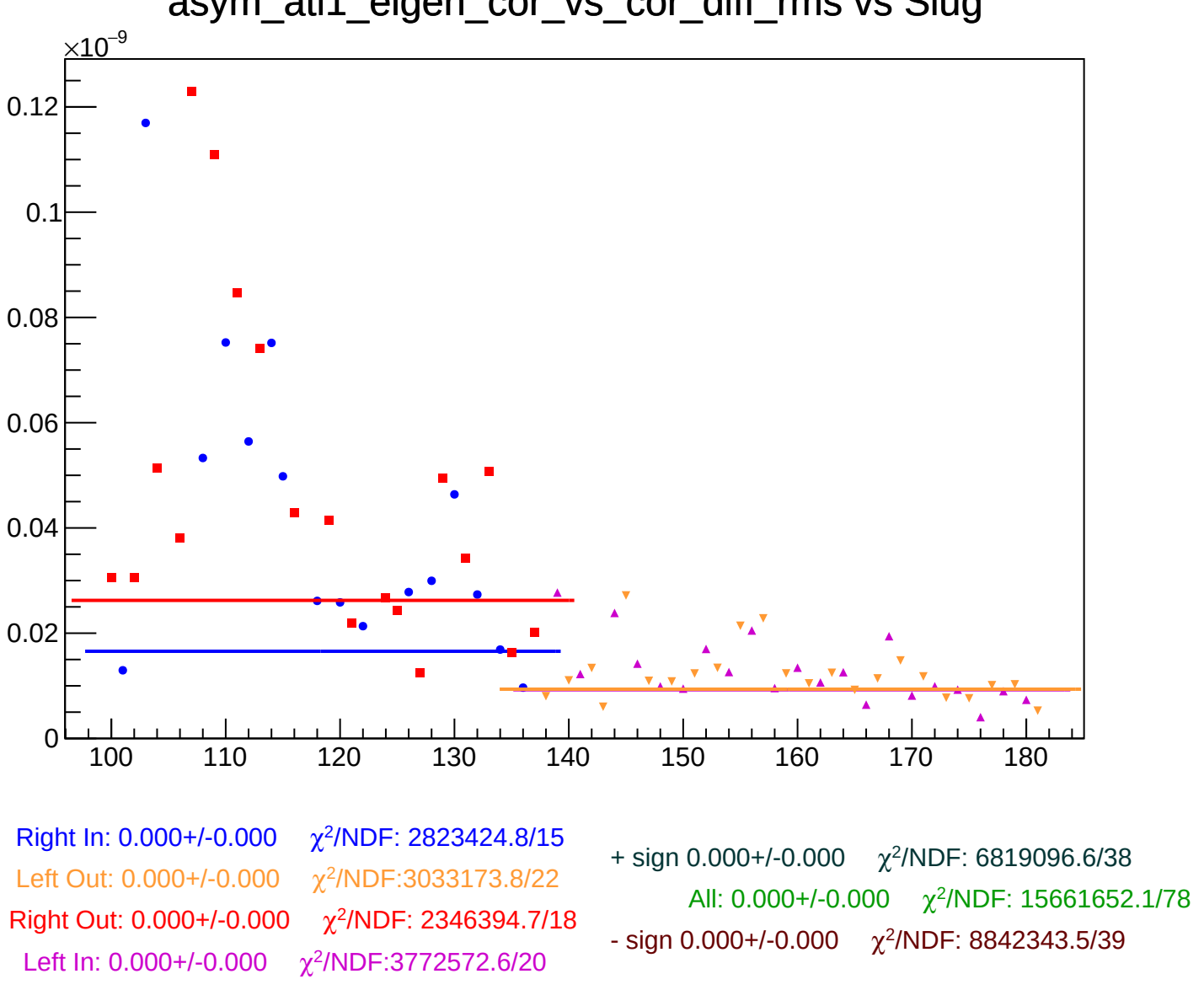
Right Out: 0.000+/-0.000 χ^2/NDF: 32.3/18

Left In: 0.000+/-0.000 χ^2/NDF:30.6/20

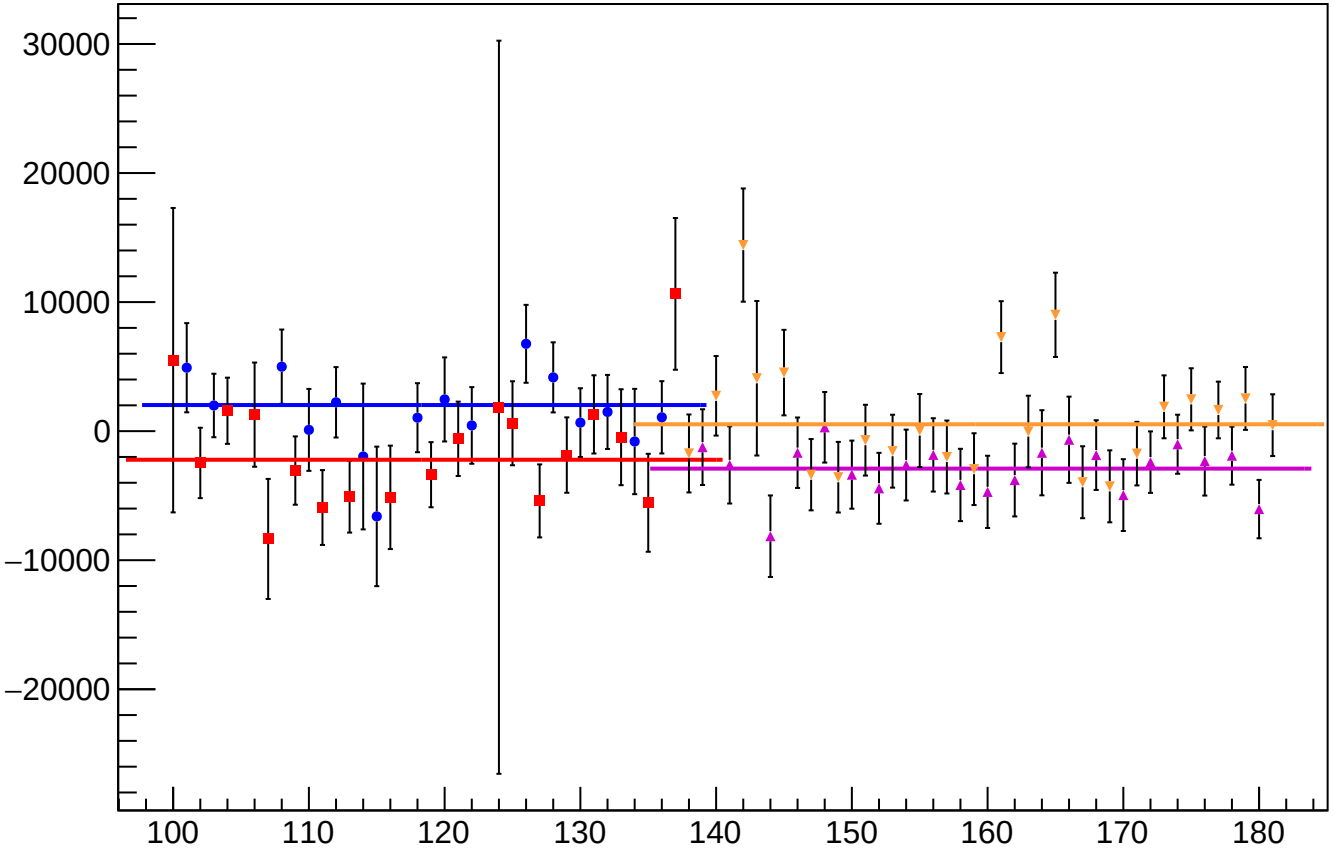
+ sign -0.000+/-0.000 χ^2/NDF: 56.4/38

All: 0.000+/-0.000 χ^2/NDF: 124.4/78

- sign 0.000+/-0.000 χ^2/NDF: 63.0/39


asym_atl1_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: 2823424.8/15
Left Out: 0.000+/-0.000 χ²/NDF:3033173.8/22
Right Out: 0.000+/-0.000 χ²/NDF: 2346394.7/18
Left In: 0.000+/-0.000 χ²/NDF:3772572.6/20
+ sign 0.000+/-0.000 χ²/NDF: 6819096.6/38
All: 0.000+/-0.000 χ²/NDF: 15661652.1/78
- sign 0.000+/-0.000 χ²/NDF: 8842343.5/39

reg_asym_atl2_mean vs Slug



Right In: 2022.690+/-764.357 χ^2/NDF: 9.6/15

Left Out: 531.259+/-581.859 χ^2/NDF:41.3/22

Right Out: -2217.261+/-756.139 χ^2/NDF: 18.1/18

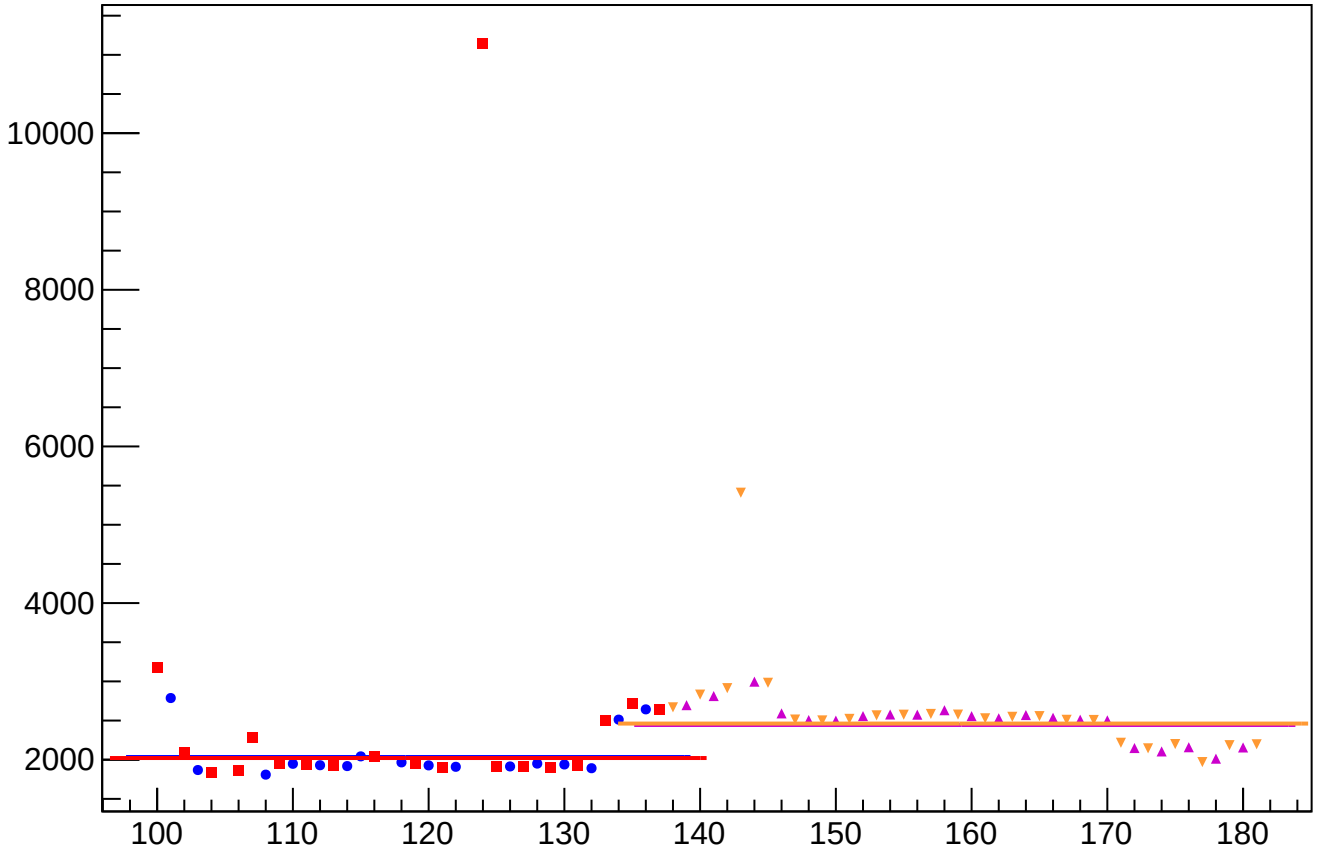
Left In: -2903.793+/-591.495 χ^2/NDF:10.0/20

+ sign 1078.439+/-462.977 χ^2/NDF: 53.3/38

All: -770.715+/-328.398 χ^2/NDF: 114.1/78

- sign -2643.169+/-465.885 χ^2/NDF: 28.7/39

reg_asym_atl2_rms vs Slug



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.7/15

Left Out: 2461.425+/-0.411 χ^2/NDF:842414.9/22

Right Out: 2021.545+/-0.535 χ^2/NDF: 390321.3/18

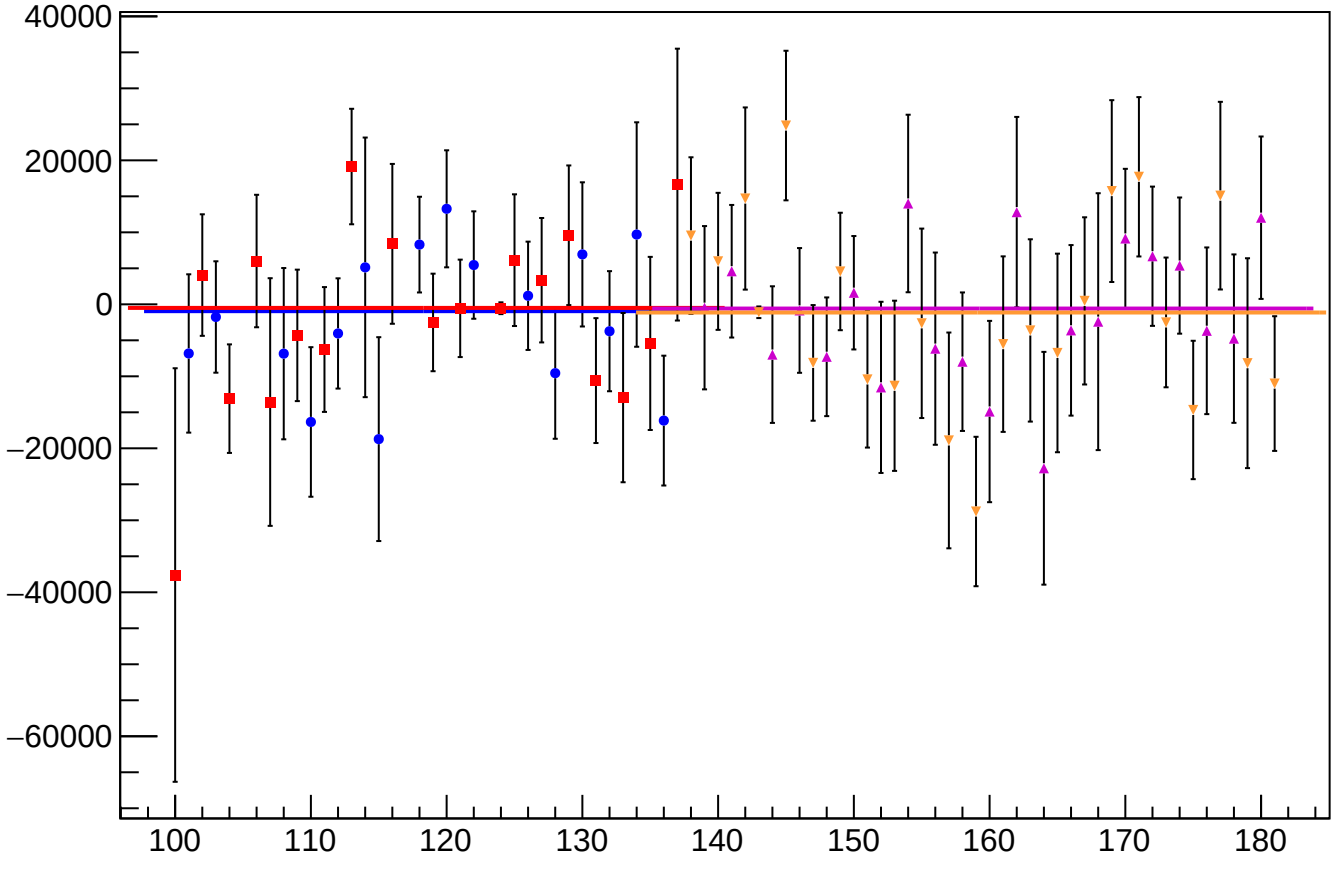
Left In: 2443.681+/-0.418 χ^2/NDF:350021.2/20

+ sign 2304.668+/-0.327 χ^2/NDF: 1501032.0/38

All: 2294.115+/-0.232 χ^2/NDF: 2630177.0/78

- sign 2283.428+/-0.329 χ^2/NDF: 1127053.4/39

asym_atl2_reg_correction_mean vs Slug



Right In: -950.519+/-2278.532 χ^2/NDF: 15.3/15

Left Out: -1137.388+/-761.711 χ^2/NDF:30.7/22

Right Out: -497.346+/-768.286 χ^2/NDF: 18.5/18

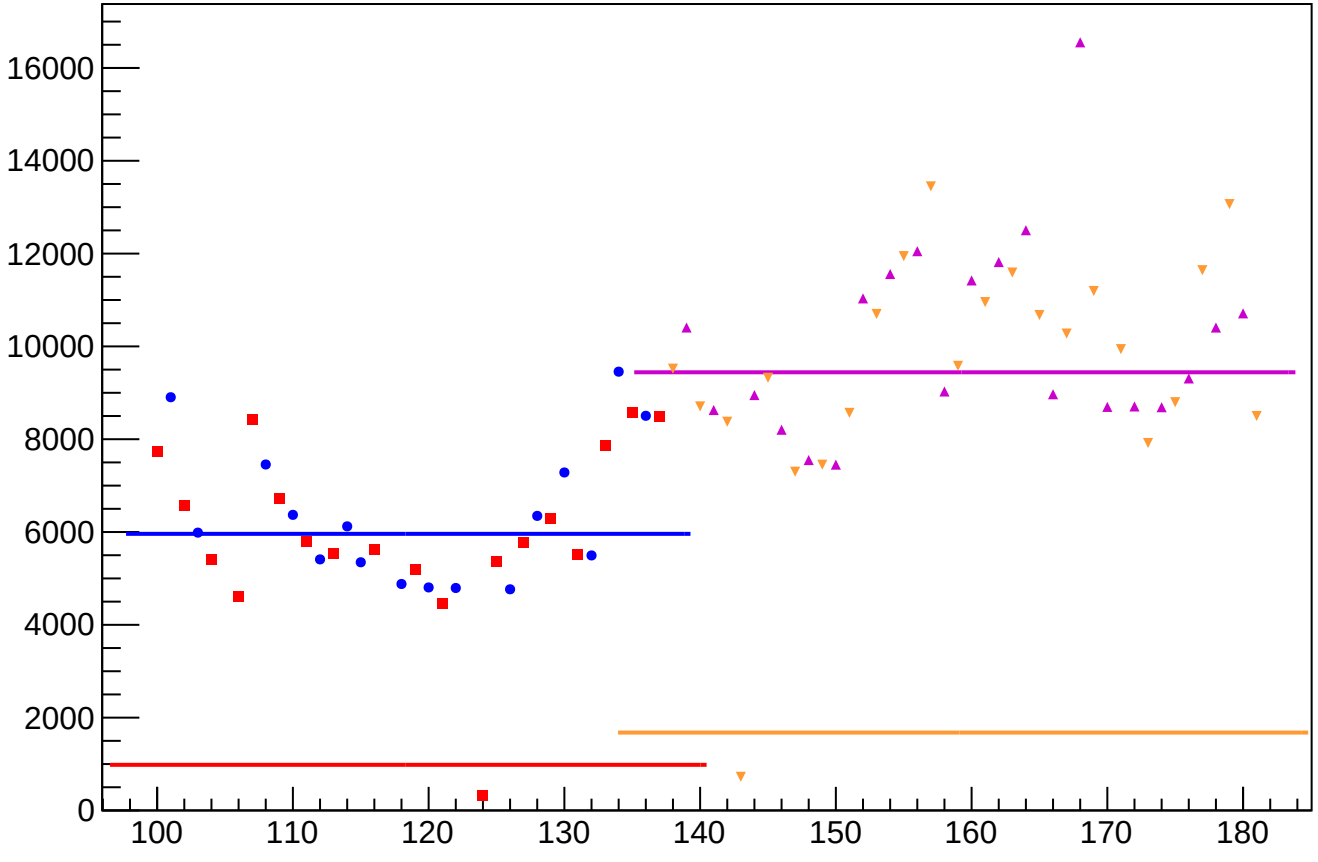
Left In: -588.061+/-2317.497 χ^2/NDF:12.2/20

+ sign -1118.603+/-722.413 χ^2/NDF: 46.1/38

All: -815.352+/-513.226 χ^2/NDF: 77.1/78

- sign -506.329+/-729.257 χ^2/NDF: 30.7/39

asym_atl2_reg_correction_rms vs Slug



Right In: 5960.802+/-1.611 χ^2/NDF: 689267.6/15

Left Out: 1678.422+/-0.539 χ^2/NDF:26471710.6/22

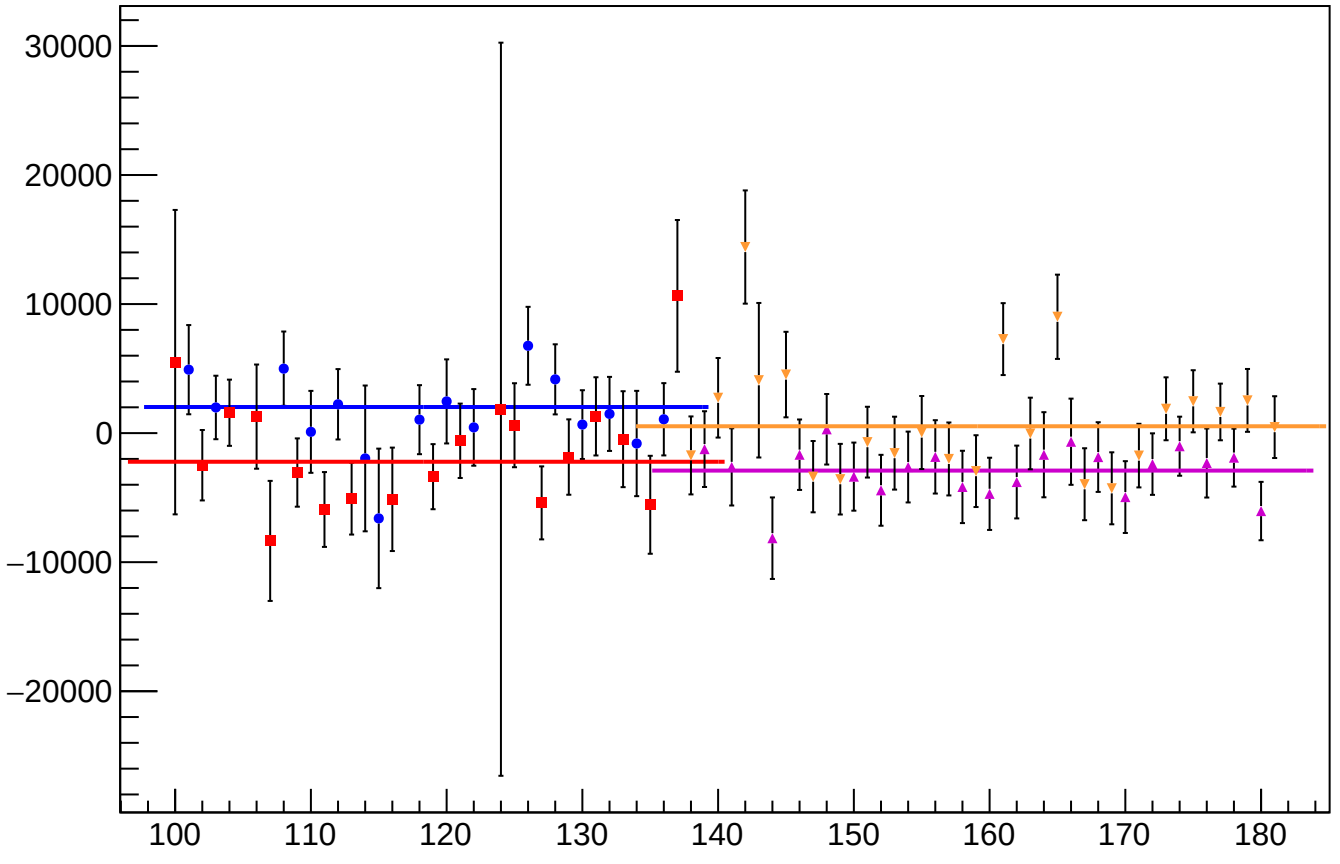
Right Out: 983.316+/-0.543 χ^2/NDF: 11416689.8/18

Left In: 9442.209+/-1.639 χ^2/NDF:1065982.4/20

+ sign 2108.895+/-0.511 χ^2/NDF: 33515468.3/38

All: 1966.264+/-0.363 χ^2/NDF: 70162328.6/7

- sign 1820.916+/-0.516 χ^2/NDF: 36489448.9/39



Right In: 2022.816+/-764.357 χ^2/NDF: 9.6/15

Left Out: 531.245+/-581.859 χ^2/NDF:41.3/22

Right Out: -2219.099+/-756.147 χ^2/NDF: 18.1/18

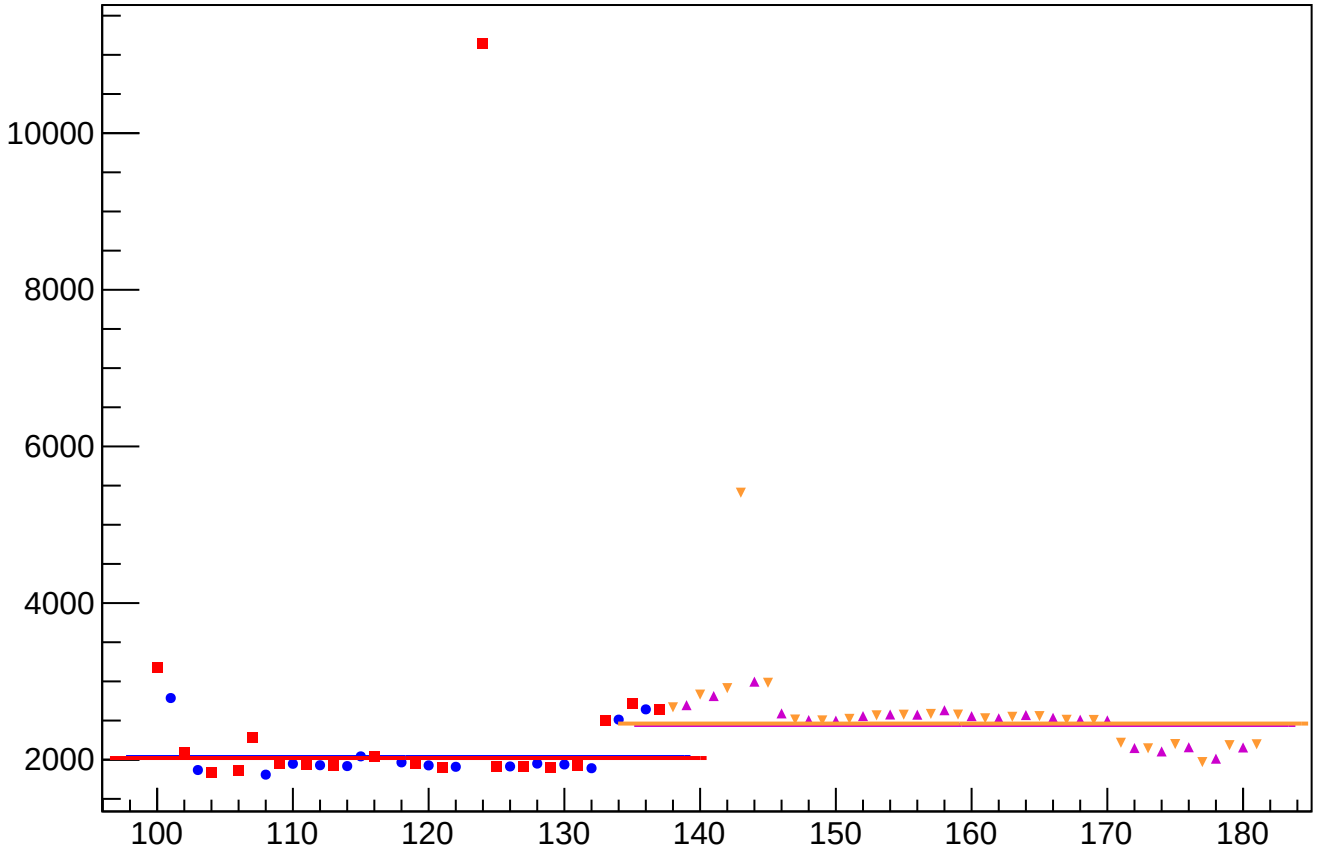
Left In: -2903.711+/-591.495 χ^2/NDF:10.0/20

+ sign 1078.476+/-462.977 χ^2/NDF: 53.3/38

All: -771.012+/-328.398 χ^2/NDF: 114.1/78

- sign -2643.820+/-465.887 χ^2/NDF: 28.7/39

cor_asym_atl2_rms vs Slug



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.5/15

Left Out: 2461.425+/-0.411 χ^2/NDF:842414.9/22

Right Out: 2021.566+/-0.535 χ^2/NDF: 390333.0/18

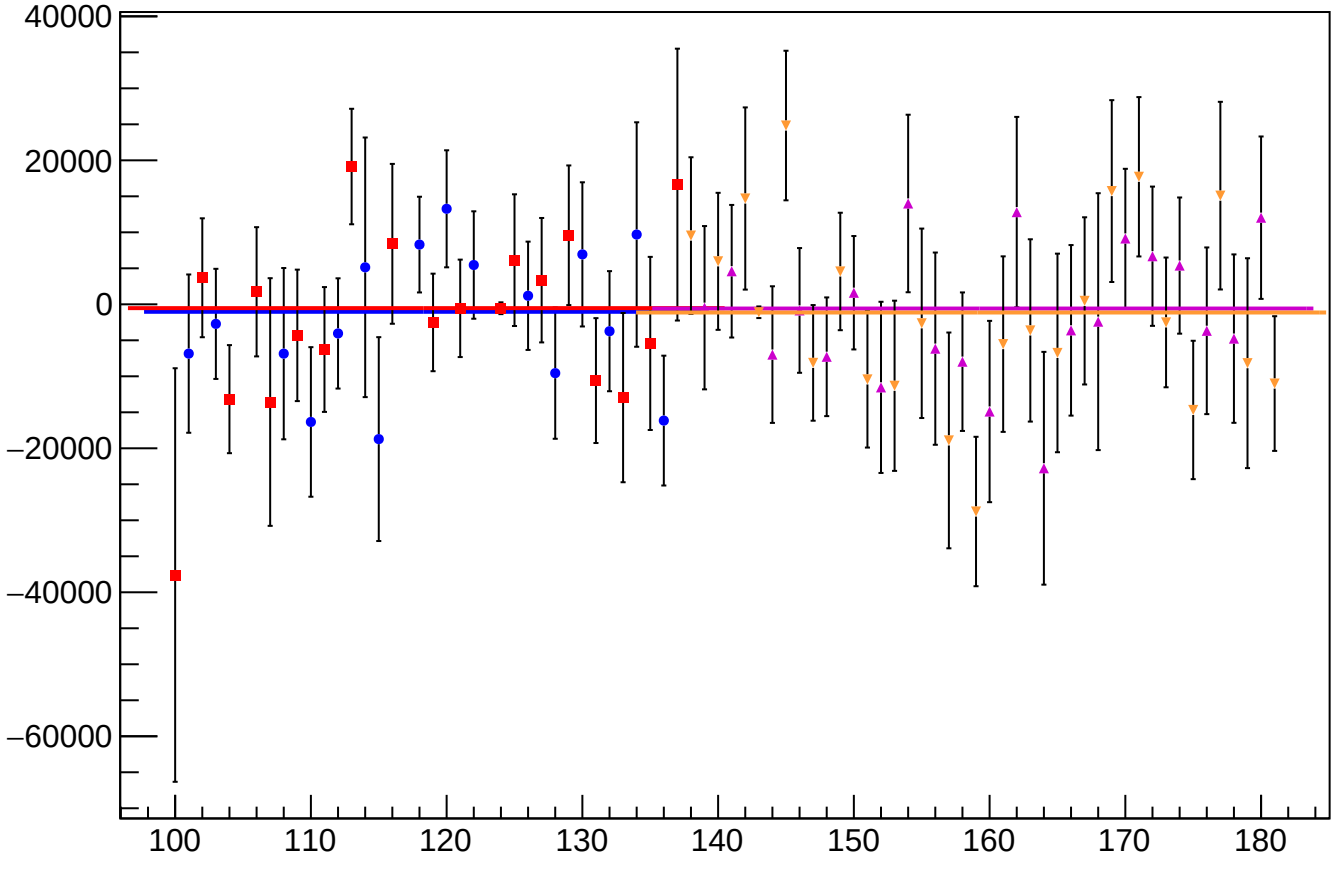
Left In: 2443.681+/-0.418 χ^2/NDF:350021.1/20

+ sign 2304.668+/-0.327 χ^2/NDF: 1501032.1/38

All: 2294.120+/-0.232 χ^2/NDF: 2630142.6/78

- sign 2283.438+/-0.329 χ^2/NDF: 1127020.9/39

asym_atl2_cor_correction_mean vs Slug



Right In: -1037.942+/-2276.180 χ^2/NDF: 15.4/15

Left Out: -1137.151+/-761.646 χ^2/NDF:30.7/22

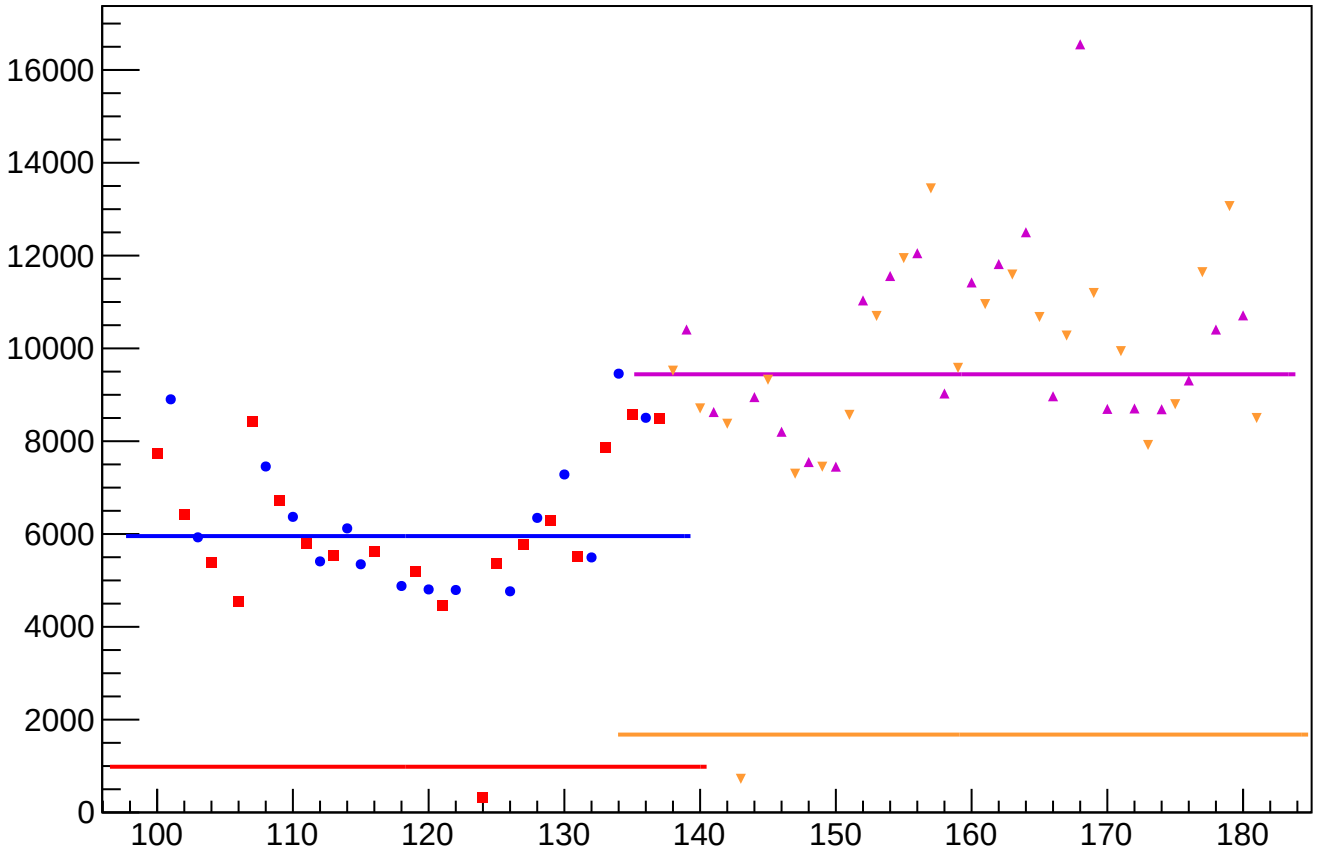
Right Out: -530.662+/-767.947 χ^2/NDF: 18.0/18

Left In: -588.180+/-2317.495 χ^2/NDF:12.2/20

+ sign -1127.162+/-722.282 χ^2/NDF: 46.1/38

All: -834.478+/-513.078 χ^2/NDF: 76.7/78

- sign -536.353+/-728.967 χ^2/NDF: 30.3/39



Right In: 5955.638+/-1.610 χ^2/NDF: 689141.5/15

Left Out: 1678.196+/-0.539 χ^2/NDF:26472656.8/22

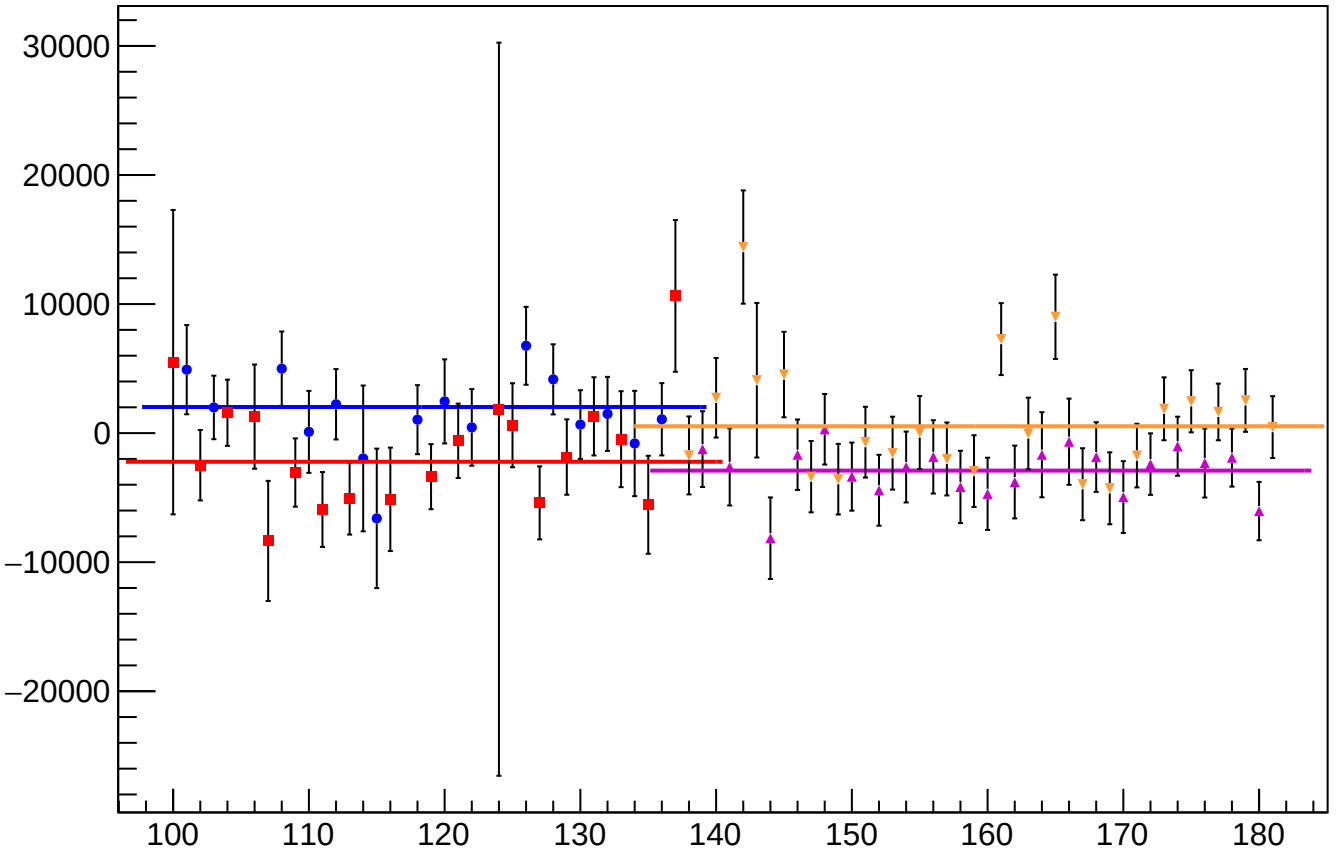
Right Out: 985.045+/-0.543 χ^2/NDF: 11412843.1/18

Left In: 9442.199+/-1.639 χ^2/NDF:1065989.0/20

+ sign 2108.906+/-0.511 χ^2/NDF: 33513539.4/38

All: 1966.679+/-0.363 χ^2/NDF: 70147964.0/7

- sign 1821.807+/-0.515 χ^2/NDF: 36477883.7/39



Right In: 2022.816+/-764.357 χ^2/NDF: 9.6/15

Left Out: 531.245+/-581.859 χ^2/NDF:41.3/22

Right Out: -2219.099+/-756.147 χ^2/NDF: 18.1/18

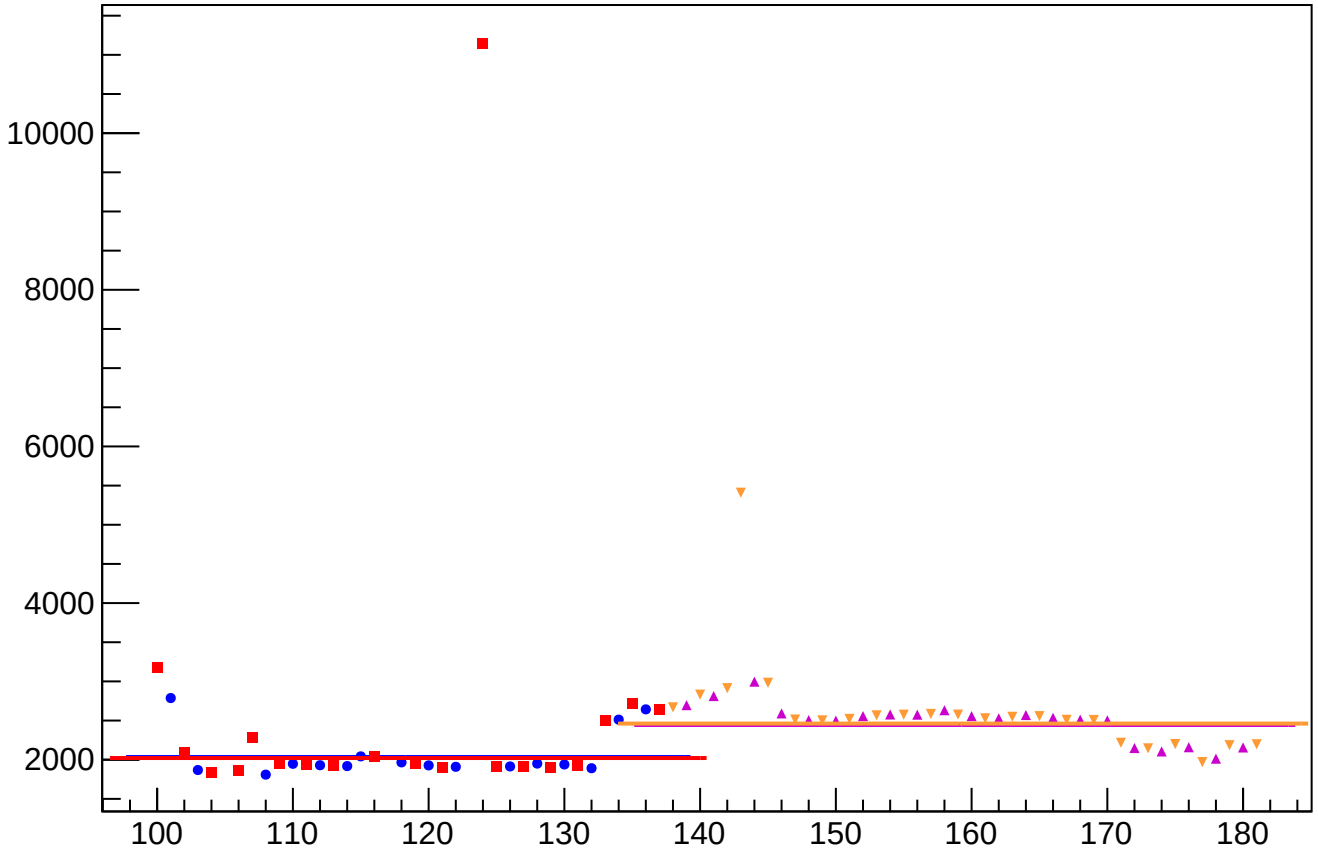
Left In: -2903.711+/-591.495 χ^2/NDF:10.0/20

+ sign 1078.476+/-462.977 χ^2/NDF: 53.3/38

All: -771.012+/-328.398 χ^2/NDF: 114.1/78

- sign -2643.820+/-465.887 χ^2/NDF: 28.7/39

eigen_cor_asym_atl2_rms vs Slug



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.5/15

Left Out: 2461.425+/-0.411 χ^2/NDF:842414.9/22

Right Out: 2021.566+/-0.535 χ^2/NDF: 390333.0/18

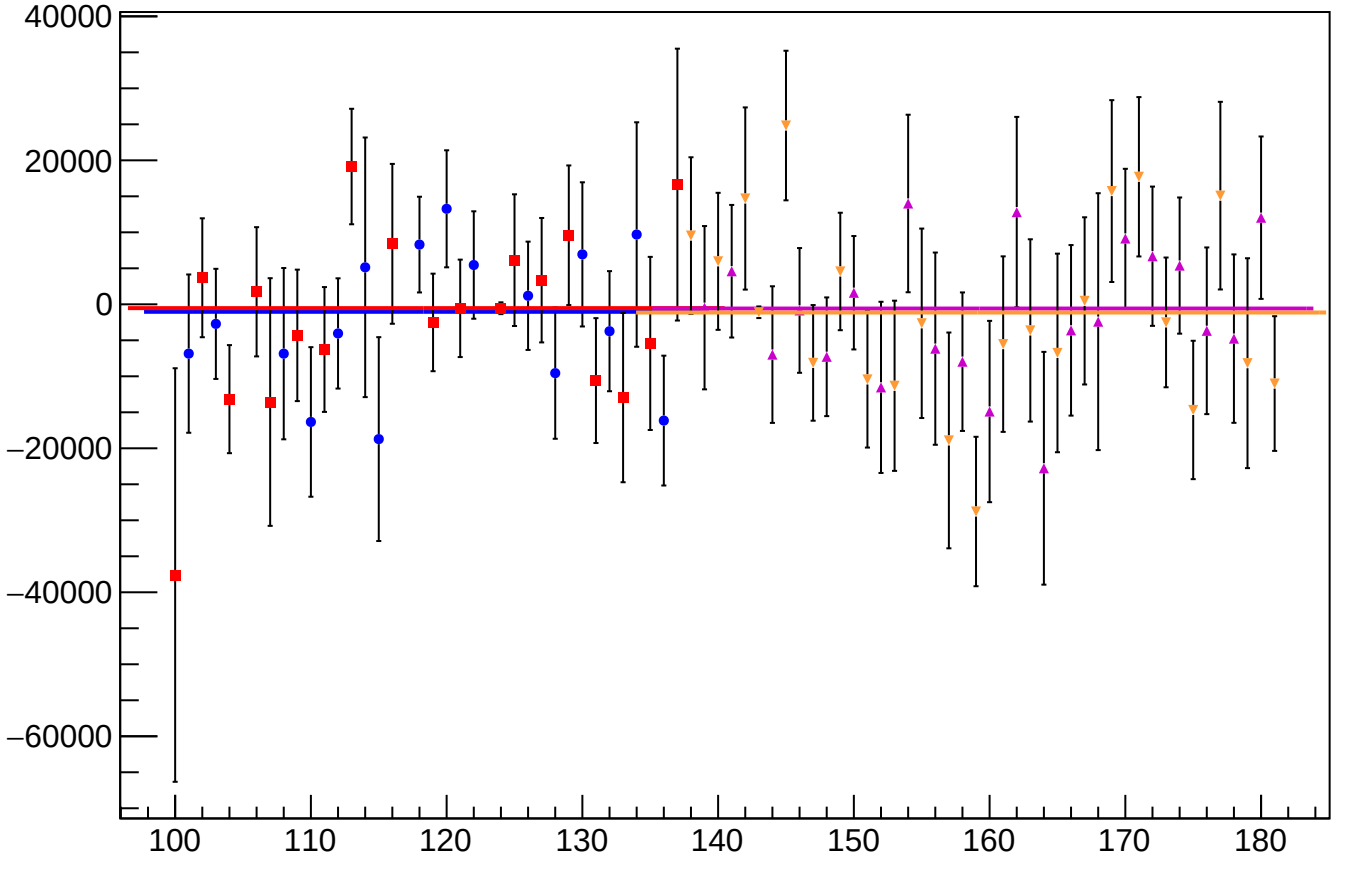
Left In: 2443.681+/-0.418 χ^2/NDF:350021.1/20

+ sign 2304.668+/-0.327 χ^2/NDF: 1501032.1/38

All: 2294.120+/-0.232 χ^2/NDF: 2630142.6/78

- sign 2283.438+/-0.329 χ^2/NDF: 1127020.9/39

asym_atl2_eigen_cor_correction_mean vs Slug



Right In: -1037.942+/-2276.180 χ^2/NDF: 15.4/15

Left Out: -1137.151+/-761.646 χ^2/NDF:30.7/22

Right Out: -530.662+/-767.947 χ^2/NDF: 18.0/18

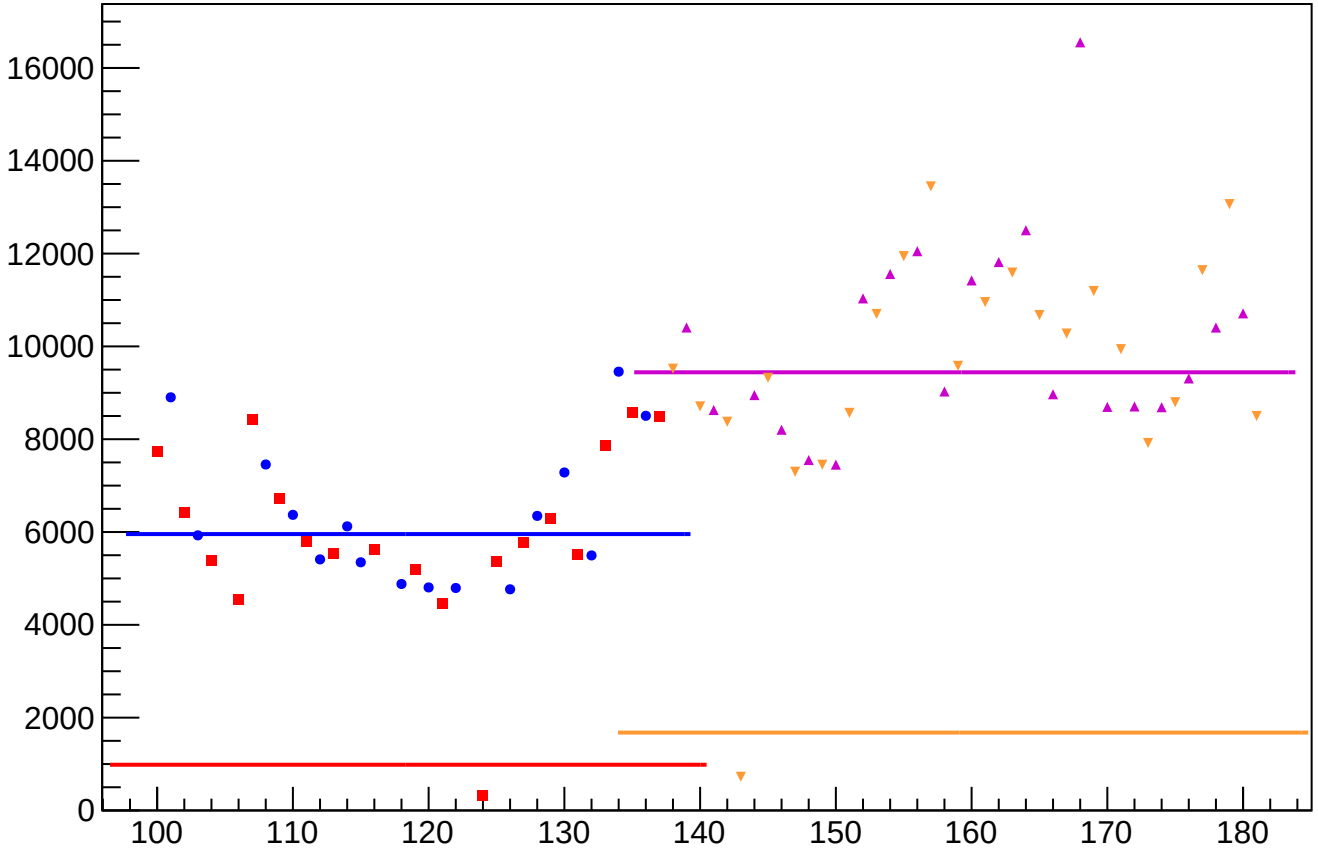
Left In: -588.180+/-2317.495 χ^2/NDF:12.2/20

+ sign -1127.162+/-722.282 χ^2/NDF: 46.1/38

All: -834.478+/-513.078 χ^2/NDF: 76.7/78

- sign -536.353+/-728.967 χ^2/NDF: 30.3/39

asym_atl2_eigen_cor_correction_rms vs Slug



Right In: 5955.638+/-1.610 χ^2/NDF: 689141.5/15

Left Out: 1678.196+/-0.539 χ^2/NDF:26472656.8/22

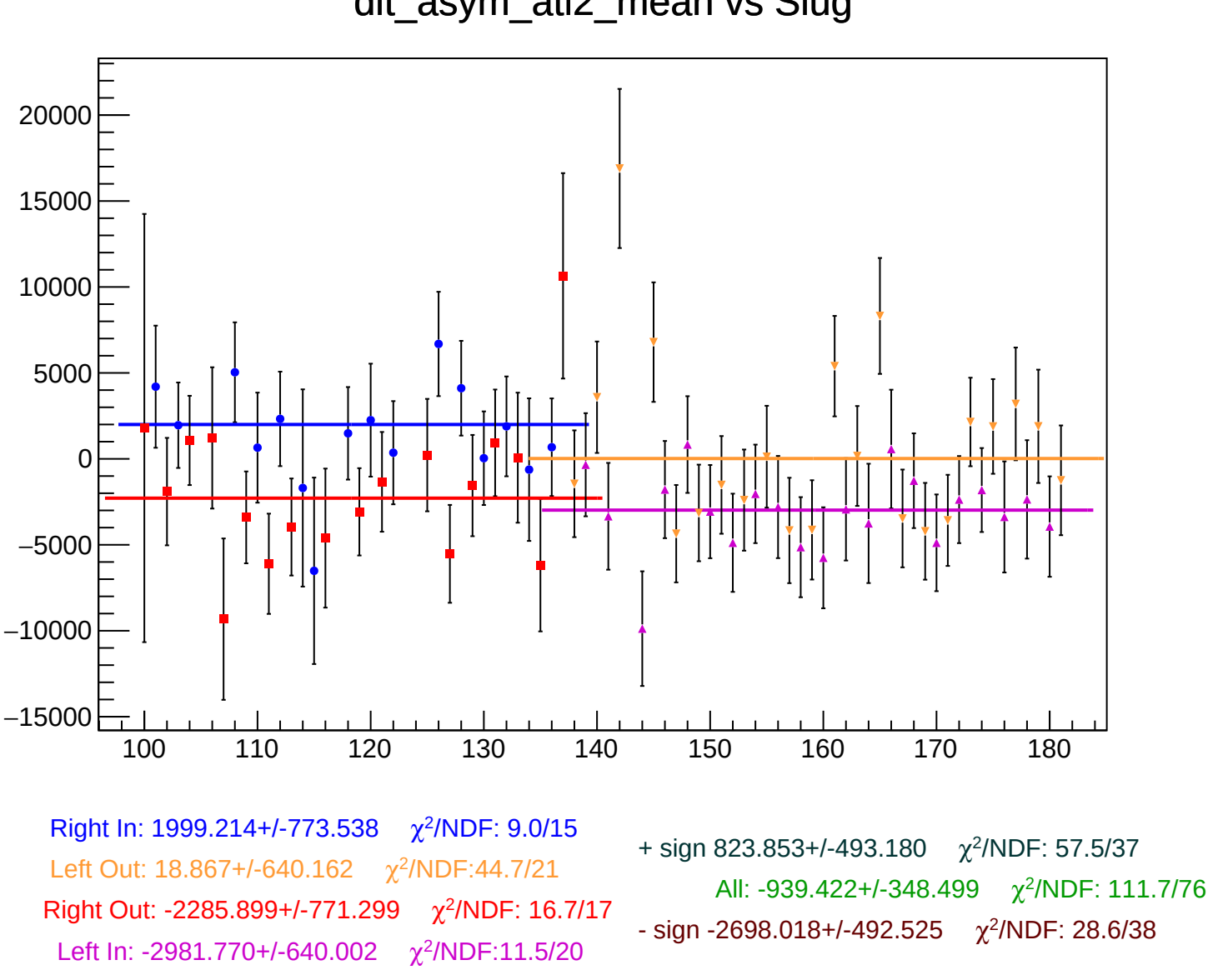
Right Out: 985.045+/-0.543 χ^2/NDF: 11412843.1/18

Left In: 9442.199+/-1.639 χ^2/NDF:1065989.0/20

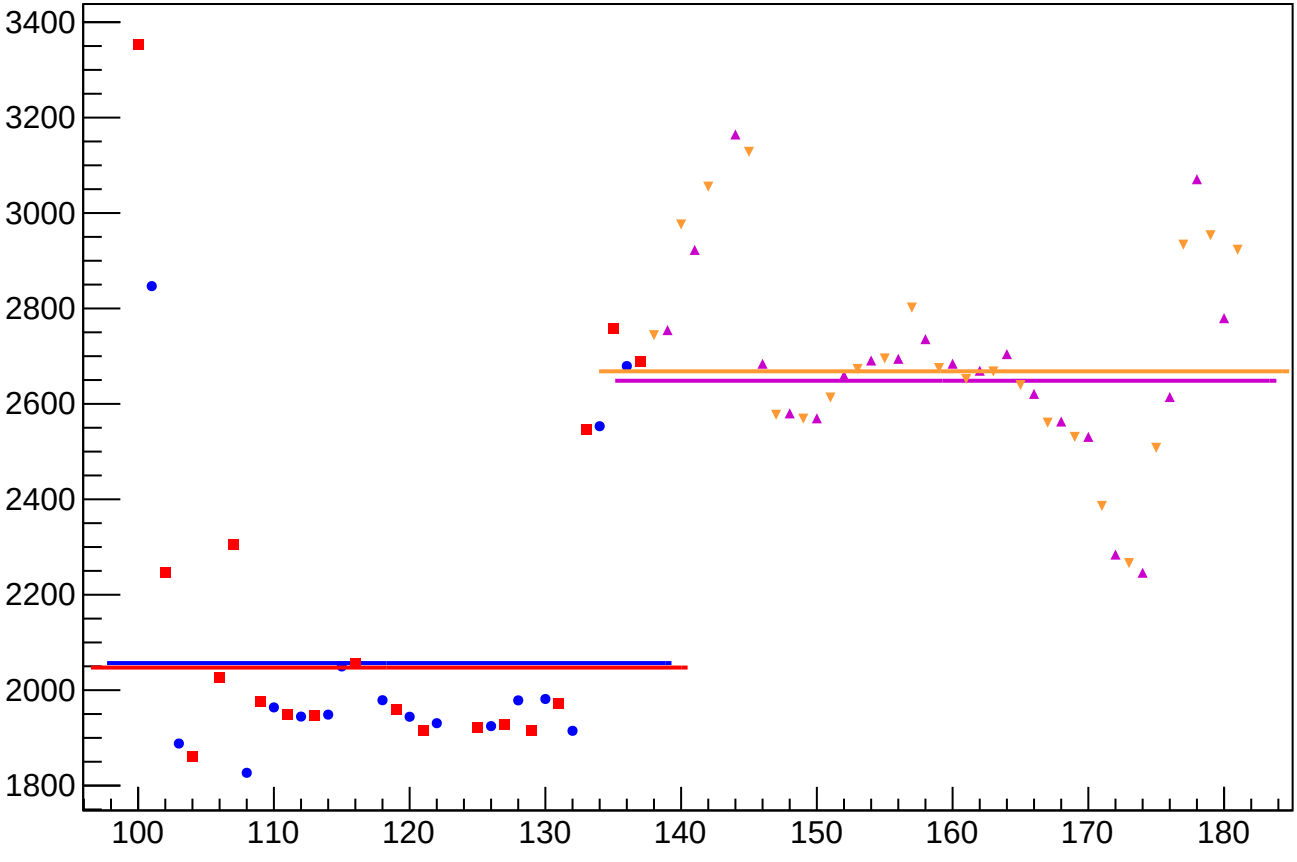
+ sign 2108.906+/-0.511 χ^2/NDF: 33513539.4/38

All: 1966.679+/-0.363 χ^2/NDF: 70147964.0/7

- sign 1821.807+/-0.515 χ^2/NDF: 36477883.7/39


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: 18.867+/-640.162 χ²/NDF:44.7/21
Right Out: -2285.899+/-771.299 χ²/NDF: 16.7/17
Left In: -2981.770+/-640.002 χ²/NDF:11.5/20
+ sign 823.853+/-493.180 χ²/NDF: 57.5/37
All: -939.422+/-348.499 χ²/NDF: 111.7/76
- sign -2698.018+/-492.525 χ²/NDF: 28.6/38

dit_asym_atl2_rms vs Slug



Right In: 2056.796+/-0.547 χ^2/NDF: 270454.5/15

Left Out: 2668.303+/-0.453 χ^2/NDF:204296.9/21

Right Out: 2047.400+/-0.545 χ^2/NDF: 196523.0/17

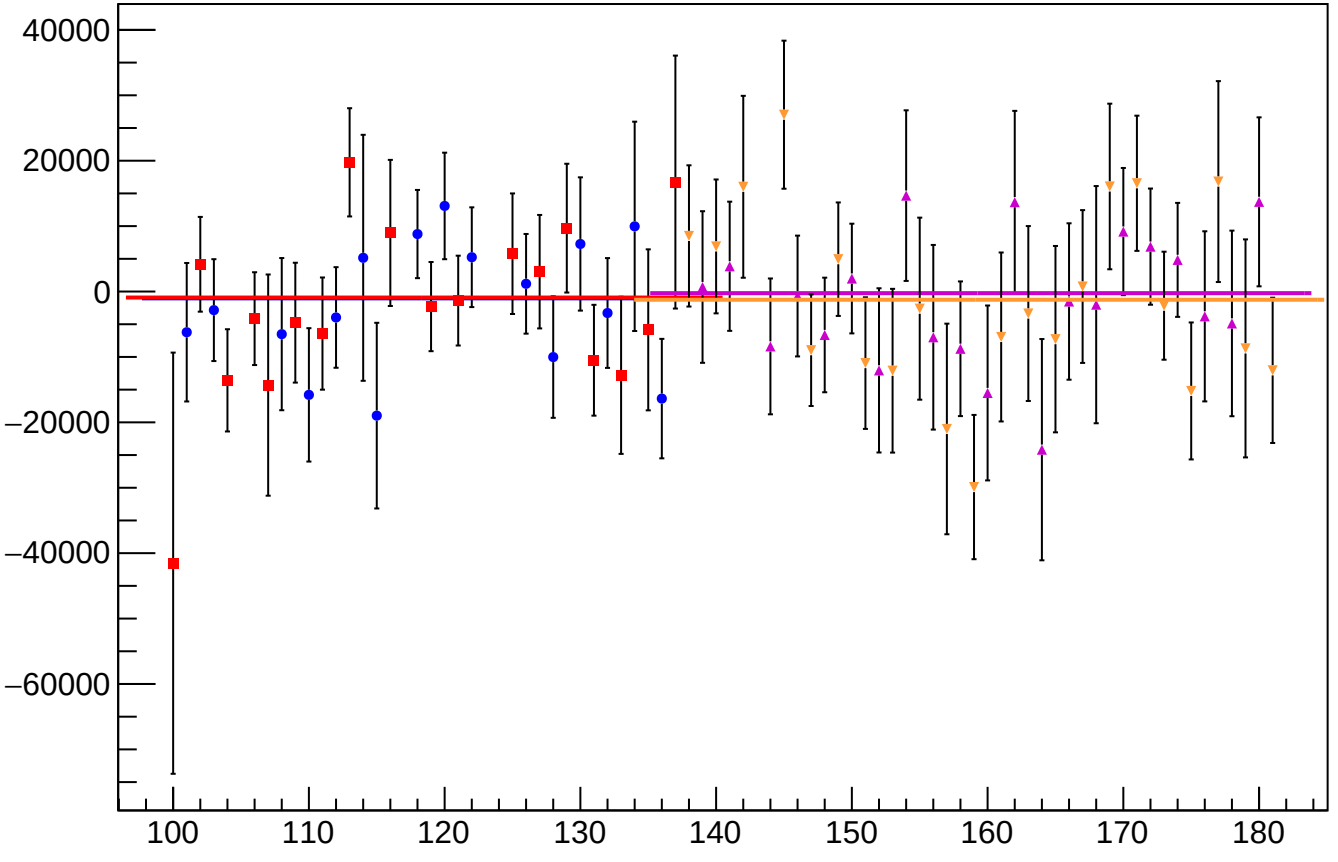
Left In: 2648.492+/-0.453 χ^2/NDF:208336.1/20

+ sign 2419.733+/-0.349 χ^2/NDF: 1216574.4/37

All: 2411.324+/-0.246 χ^2/NDF: 2343263.9/76

- sign 2402.949+/-0.348 χ^2/NDF: 1125529.0/38

asym_atl2_dit_correction_mean vs Slug



Right In: -1042.515+/-2294.607 χ^2/NDF: 15.3/15

Left Out: -1254.700+/-2419.490 χ^2/NDF:30.1/21

Right Out: -919.663+/-2150.895 χ^2/NDF: 18.4/17

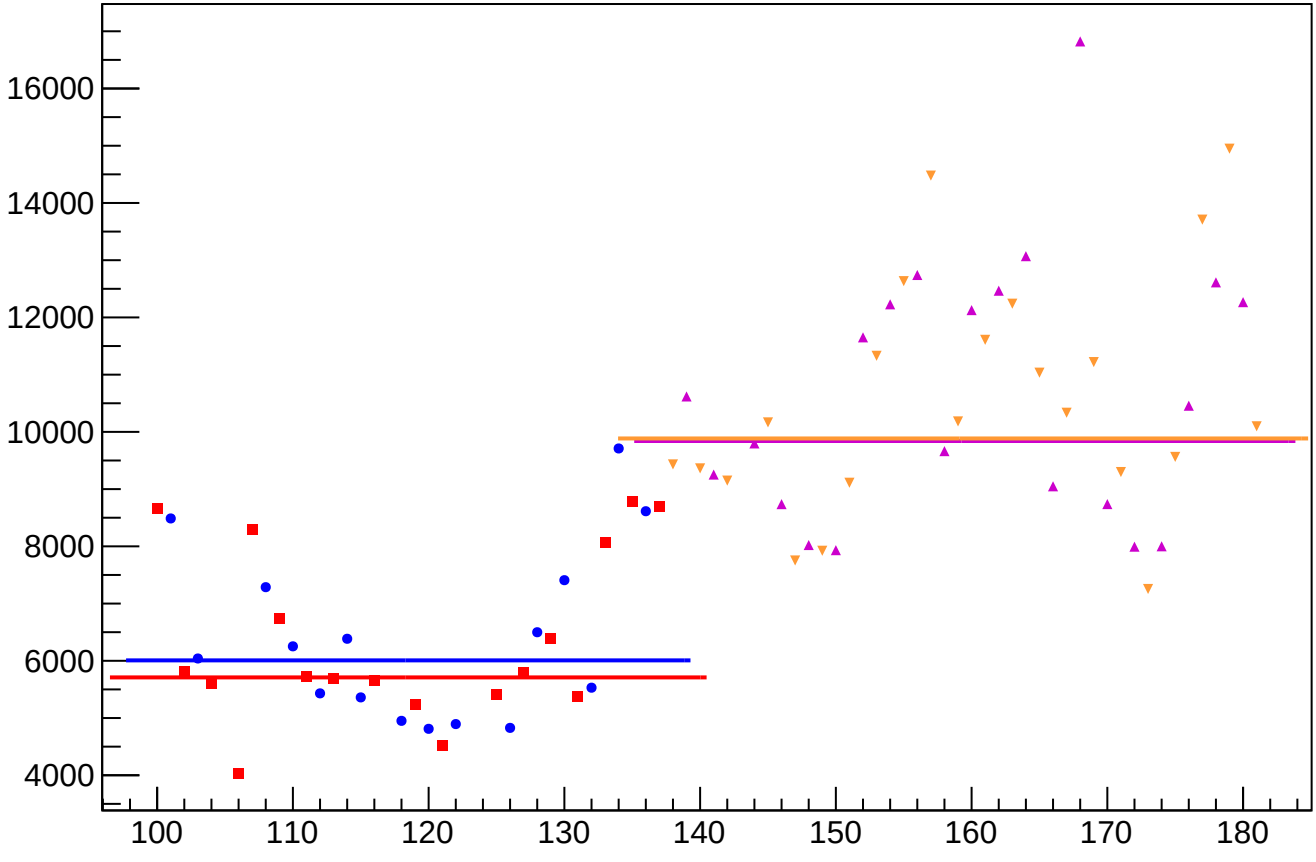
Left In: -246.547+/-2423.909 χ^2/NDF:12.1/20

+ sign -1142.991+/-1664.931 χ^2/NDF: 45.4/37

All: -874.153+/-1156.934 χ^2/NDF: 75.9/76

- sign -623.132+/-1608.815 χ^2/NDF: 30.5/38

asym_atl2_dit_correction_rms vs Slug



Right In: 6007.425+/-1.623 χ^2/NDF: 653996.7/15

Left Out: 9885.043+/-1.711 χ^2/NDF:1180072.5/21

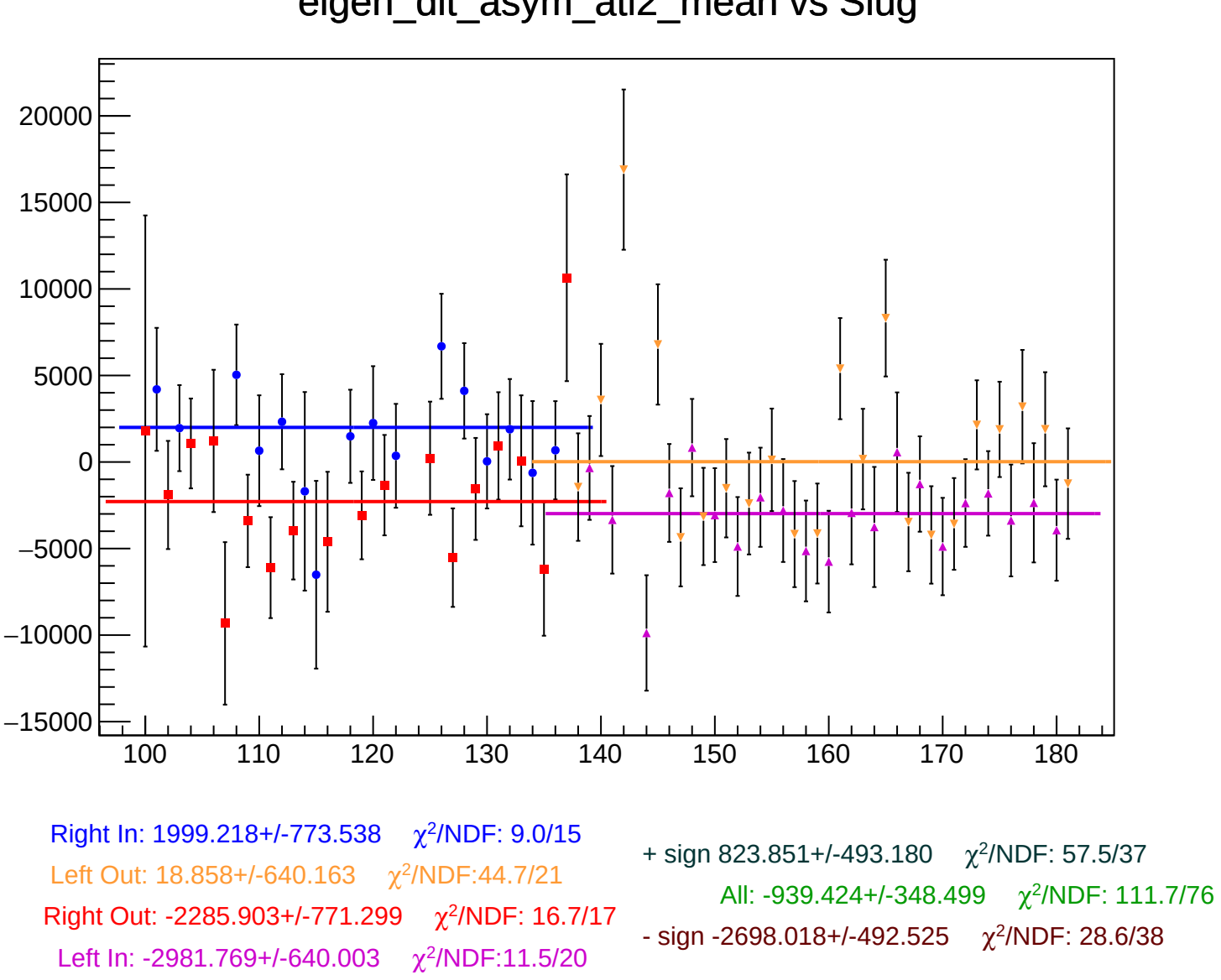
Right Out: 5709.903+/-1.521 χ^2/NDF: 535926.2/17

Left In: 9840.739+/-1.714 χ^2/NDF:1288394.5/20

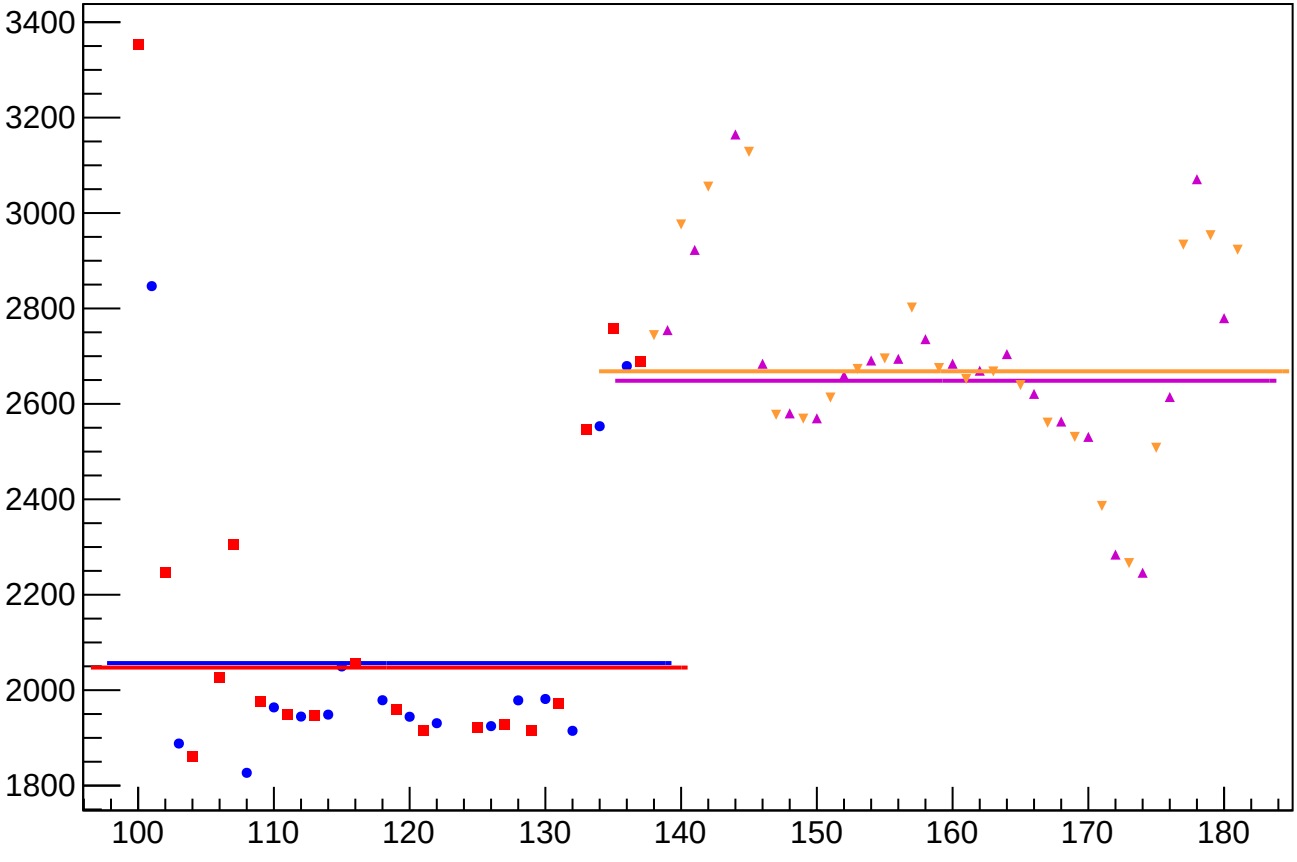
+ sign 7843.582+/-1.177 χ^2/NDF: 4538578.4/37

All: 7681.250+/-0.818 χ^2/NDF: 9649394.2/76

- sign 7529.677+/-1.138 χ^2/NDF: 5074050.3/38


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: 18.858+/-640.163 χ²/NDF:44.7/21
Right Out: -2285.903+/-771.299 χ²/NDF: 16.7/17
Left In: -2981.769+/-640.003 χ²/NDF:11.5/20
+ sign 823.851+/-493.180 χ²/NDF: 57.5/37
All: -939.424+/-348.499 χ²/NDF: 111.7/76
- sign -2698.018+/-492.525 χ²/NDF: 28.6/38

eigen_dit_asym_atl2_rms vs Slug



Right In: 2056.796+/-0.547 χ^2/NDF: 270454.5/15

Left Out: 2668.305+/-0.453 χ^2/NDF:204307.7/21

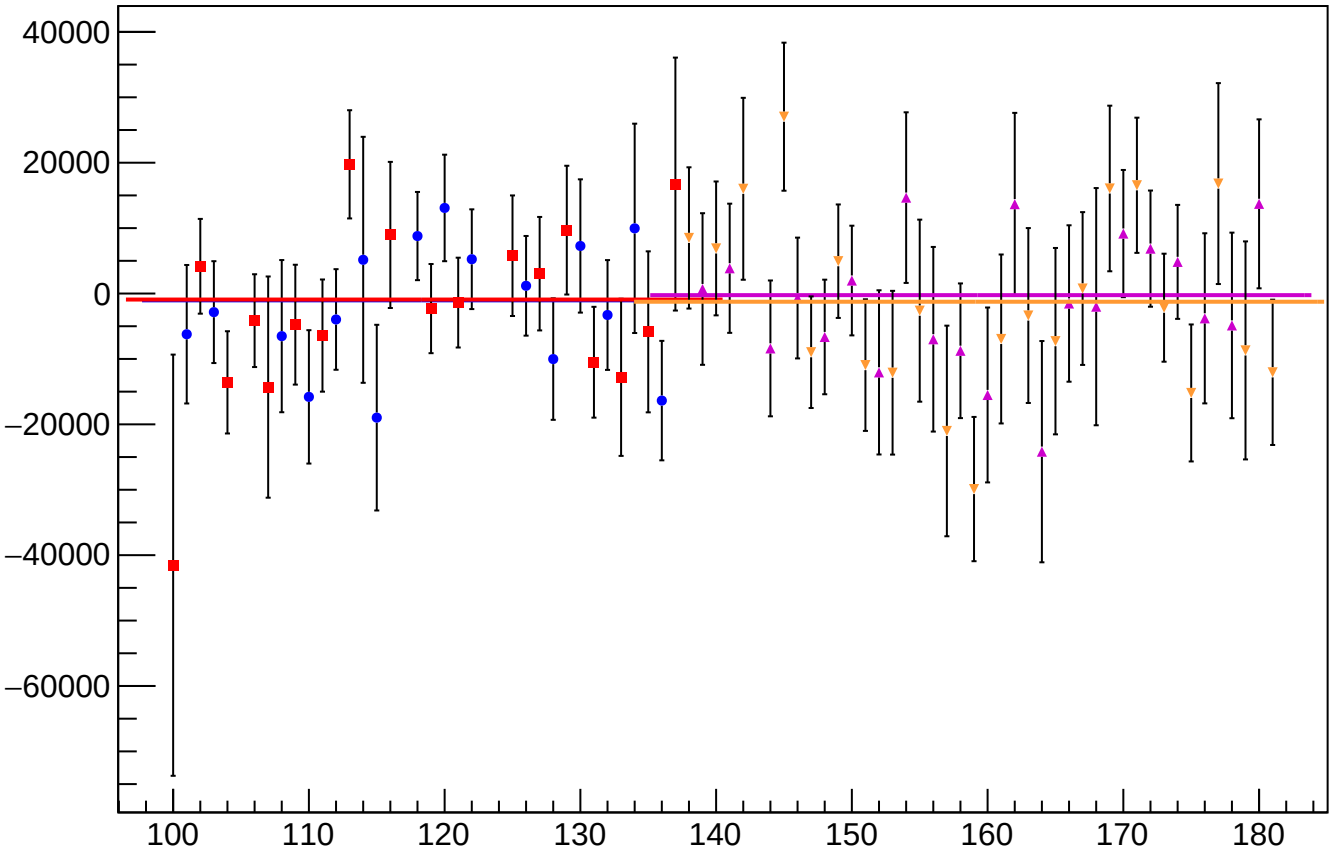
Right Out: 2047.400+/-0.545 χ^2/NDF: 196523.3/17

Left In: 2648.494+/-0.453 χ^2/NDF:208345.9/20

+ sign 2419.734+/-0.349 χ^2/NDF: 1216588.9/37

All: 2411.325+/-0.246 χ^2/NDF: 2343293.3/76

- sign 2402.949+/-0.348 χ^2/NDF: 1125543.9/38



Right In: -1042.503+/-2294.600 χ^2/NDF: 15.3/15

Left Out: -1254.710+/-2419.494 χ^2/NDF:30.1/21

Right Out: -919.667+/-2150.889 χ^2/NDF: 18.4/17

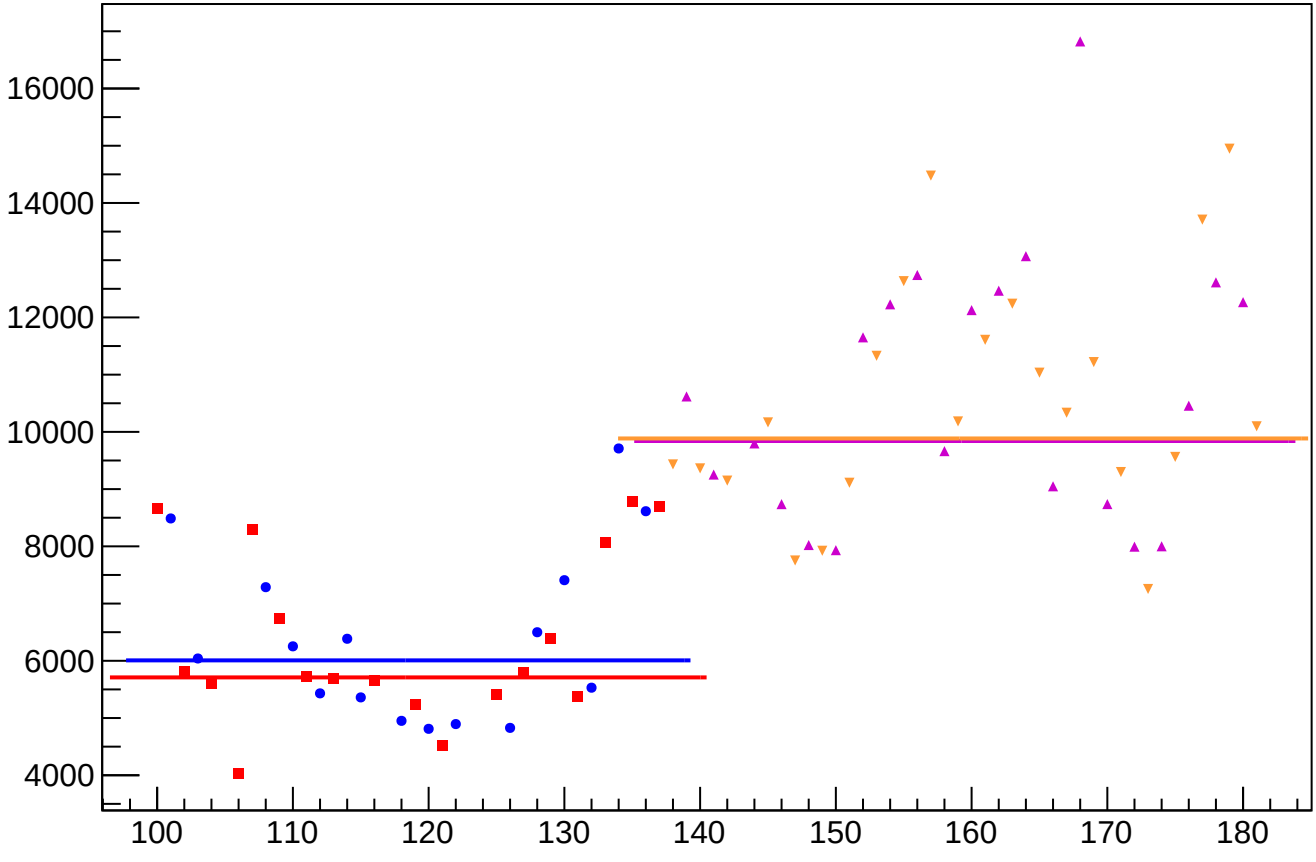
Left In: -246.548+/-2423.913 χ^2/NDF:12.1/20

+ sign -1142.988+/-1664.930 χ^2/NDF: 45.4/37

All: -874.154+/-1156.933 χ^2/NDF: 75.9/76

- sign -623.137+/-1608.813 χ^2/NDF: 30.5/38

asym_atl2_eigen_dit_correction_rms vs Slug



Right In: 6007.405+/-1.623 χ^2/NDF: 654004.9/15

Left Out: 9885.060+/-1.711 χ^2/NDF:1180072.7/21

Right Out: 5709.885+/-1.521 χ^2/NDF: 535929.9/17

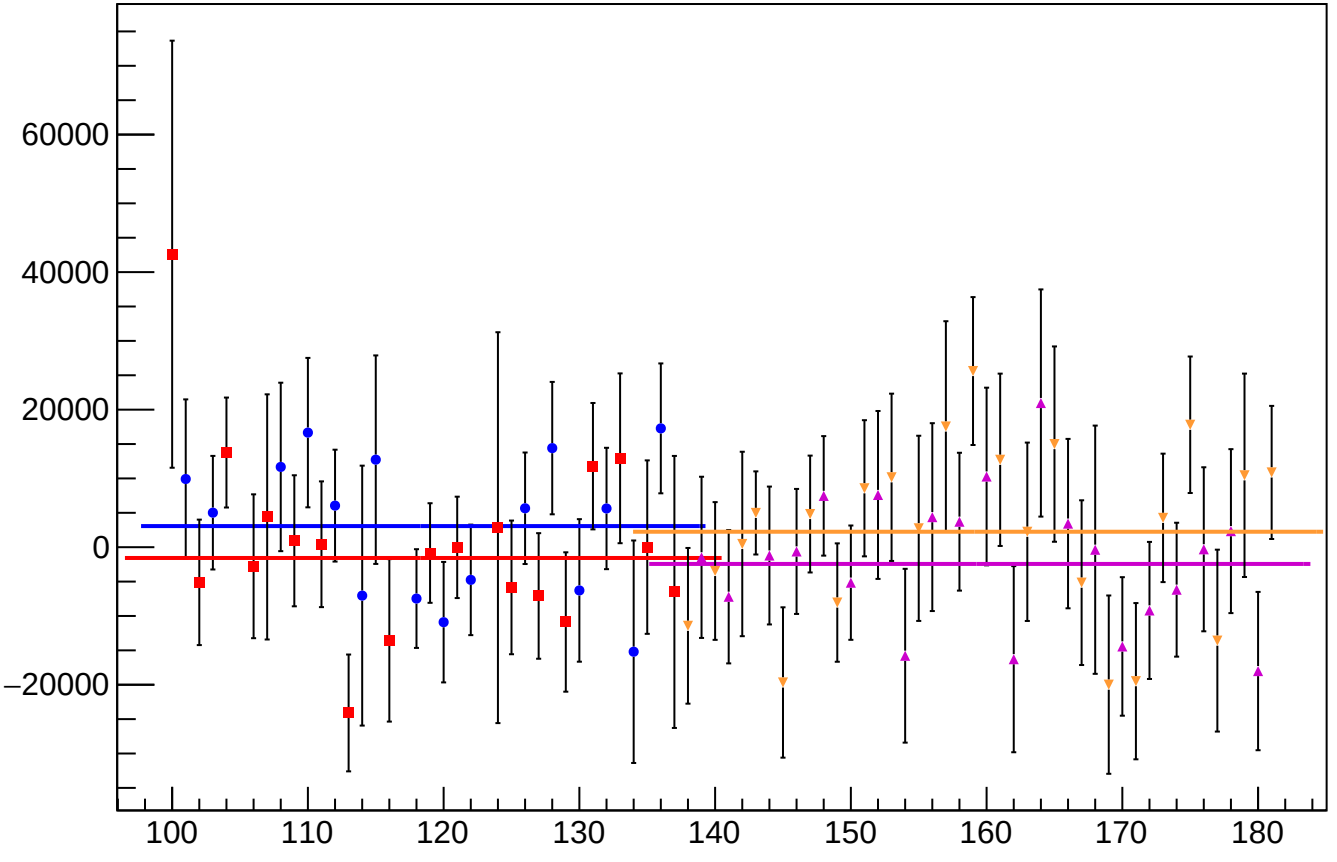
Left In: 9840.755+/-1.714 χ^2/NDF:1288395.8/20

\+ sign 7843.571+/-1.177 χ^2/NDF: 4538641.0/37

All: 7681.239+/-0.818 χ^2/NDF: 9649516.4/76

\- sign 7529.665+/-1.138 χ^2/NDF: 5074109.7/38

asym_atl2_mean vs Slug



Right In: 3070.293+/-2420.721 χ^2/NDF: 14.9/15

Left Out: 2249.115+/-2223.033 χ^2/NDF:27.6/22

Right Out: -1567.088+/-2335.884 χ^2/NDF: 19.2/18

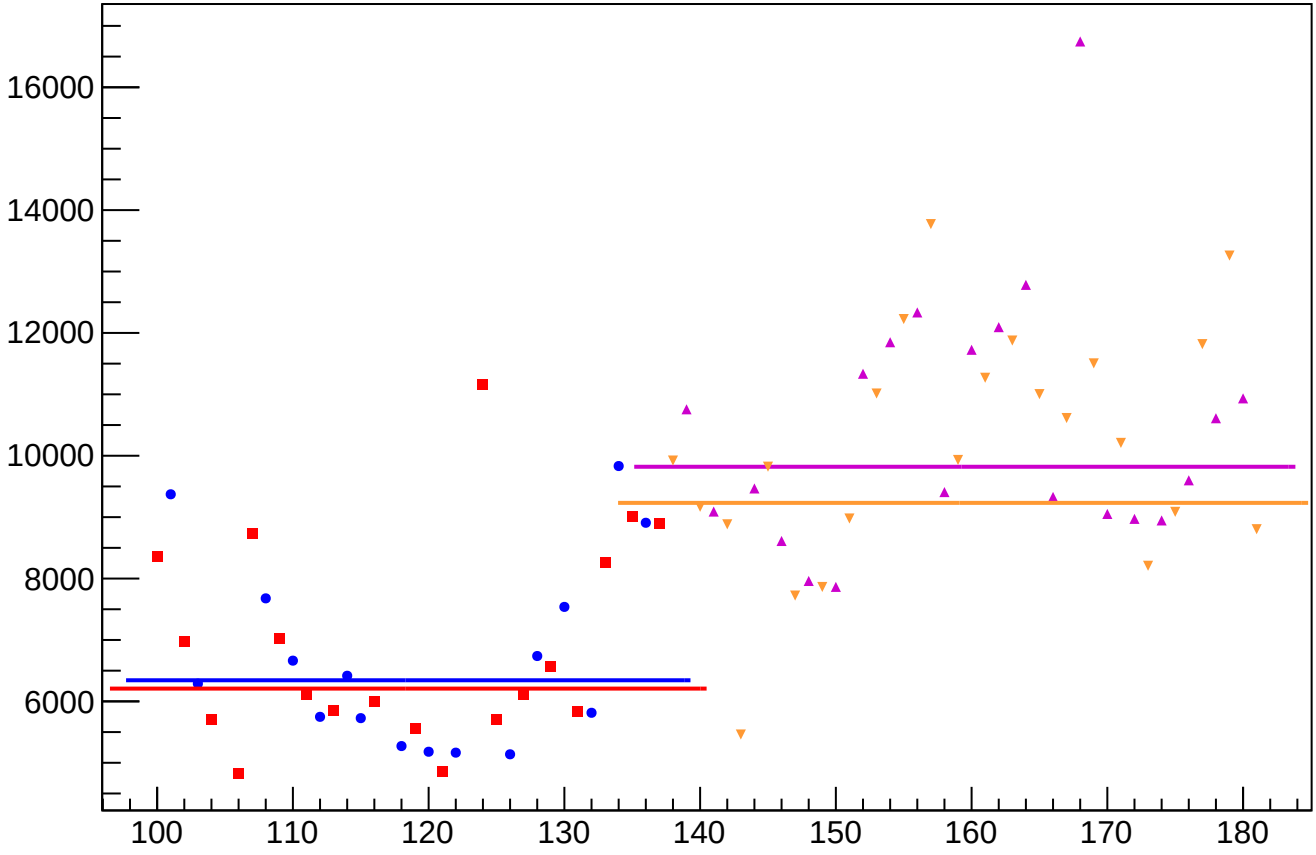
Left In: -2434.424+/-2405.219 χ^2/NDF:12.4/20

+ sign 2624.809+/-1637.356 χ^2/NDF: 42.6/38

All: 371.741+/-1171.105 χ^2/NDF: 78.1/78

- sign -1988.074+/-1675.695 χ^2/NDF: 31.7/39

asym_atl2_rms vs Slug



Right In: 6343.796+/-1.712 χ^2/NDF: 621240.2/15

Left Out: 9232.493+/-1.572 χ^2/NDF:1757795.7/22

Right Out: 6208.099+/-1.652 χ^2/NDF: 471840.9/18

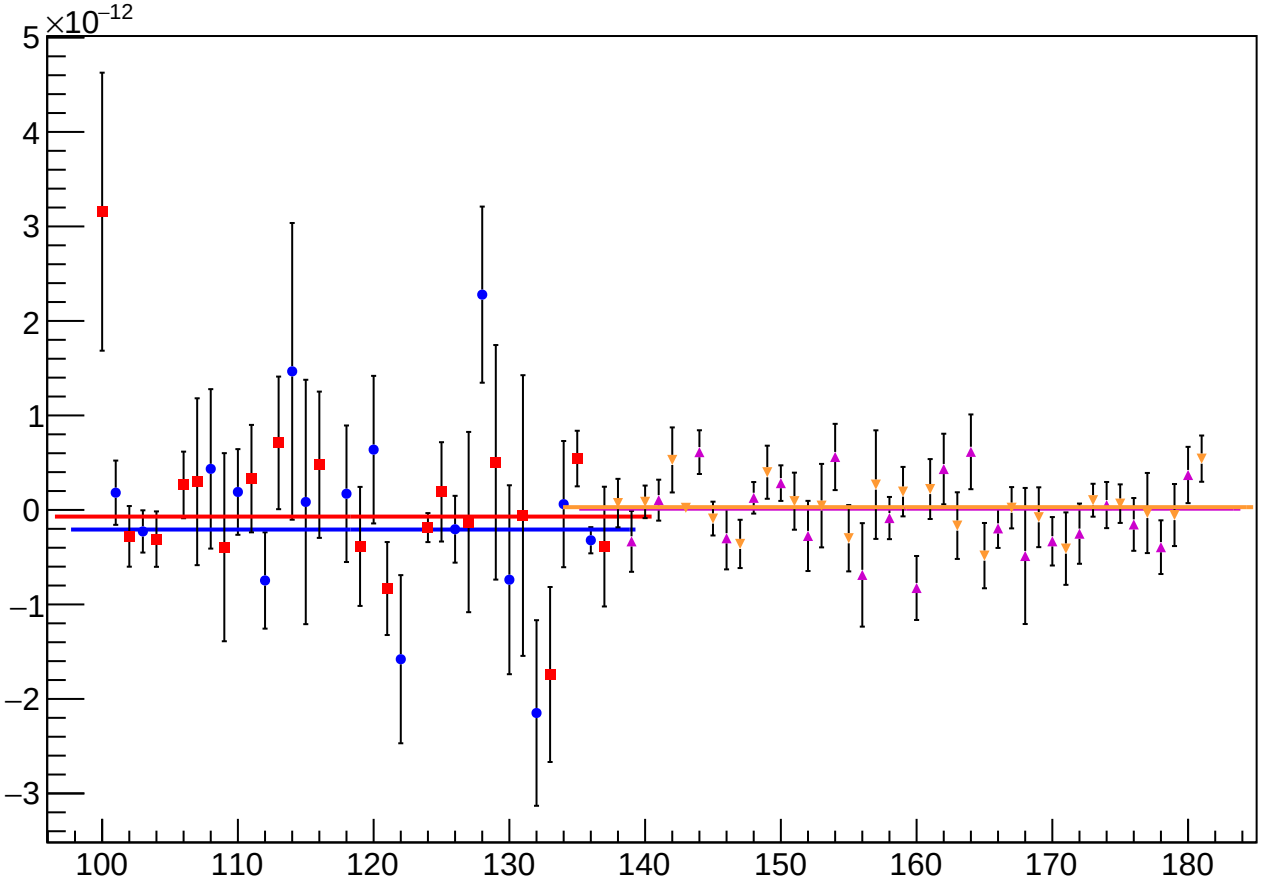
Left In: 9820.589+/-1.701 χ^2/NDF:950086.6/20

+ sign 7910.894+/-1.158 χ^2/NDF: 3924076.4/38

All: 7935.621+/-0.828 χ^2/NDF: 7668726.5/78

- sign 7961.520+/-1.185 χ^2/NDF: 3743716.3/39

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:17.3/22

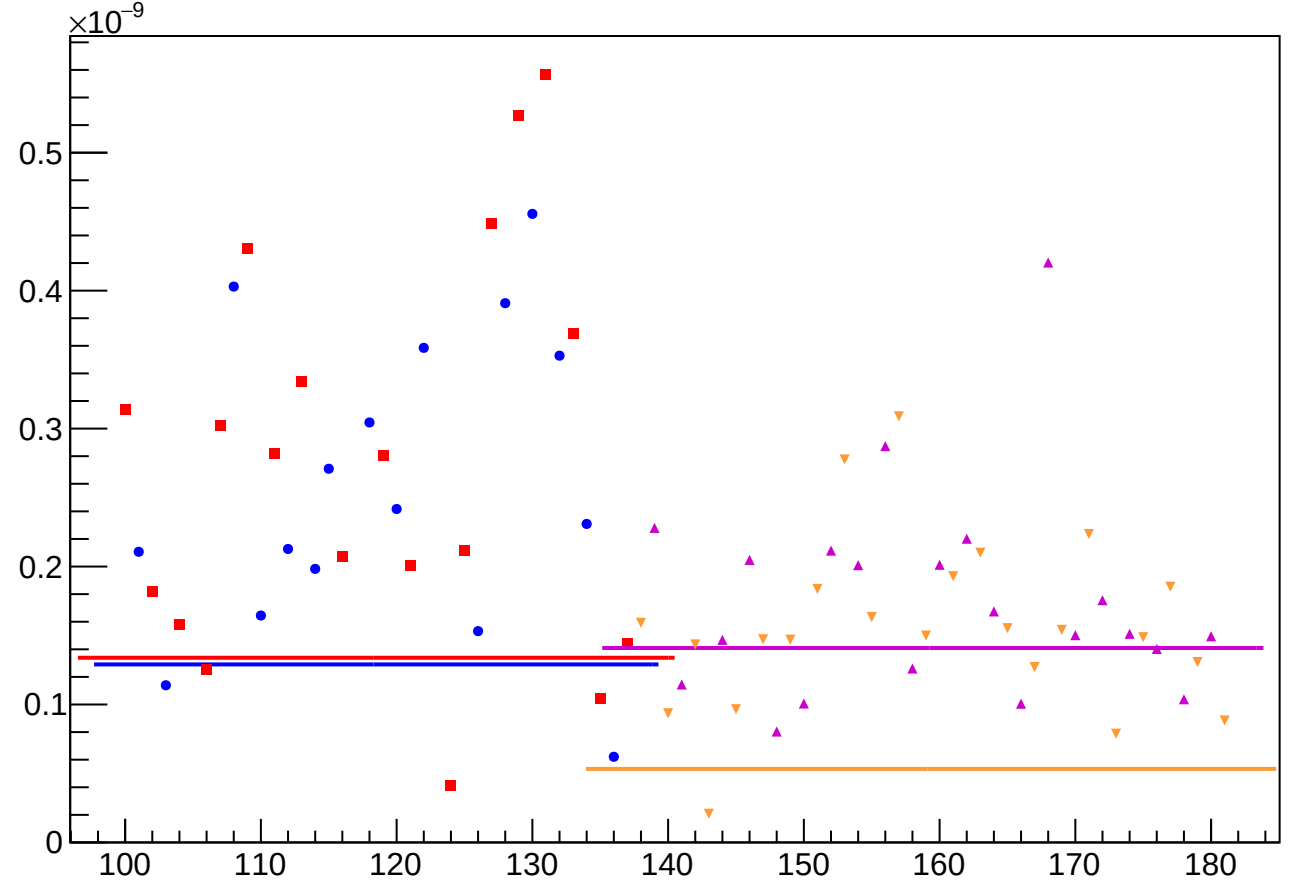
Right Out: -0.000+/-0.000 χ^2/NDF: 20.9/18

Left In: 0.000+/-0.000 χ^2/NDF:33.9/20

+ sign 0.000+/-0.000 χ^2/NDF: 43.8/38

All: 0.000+/-0.000 χ^2/NDF: 99.3/78

- sign -0.000+/-0.000 χ^2/NDF: 55.3/39



Right In: 0.000+/-0.000 χ^2/NDF: 1720321.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:7238206.5/22

Right Out: 0.000+/-0.000 χ^2/NDF: 2304489.5/18

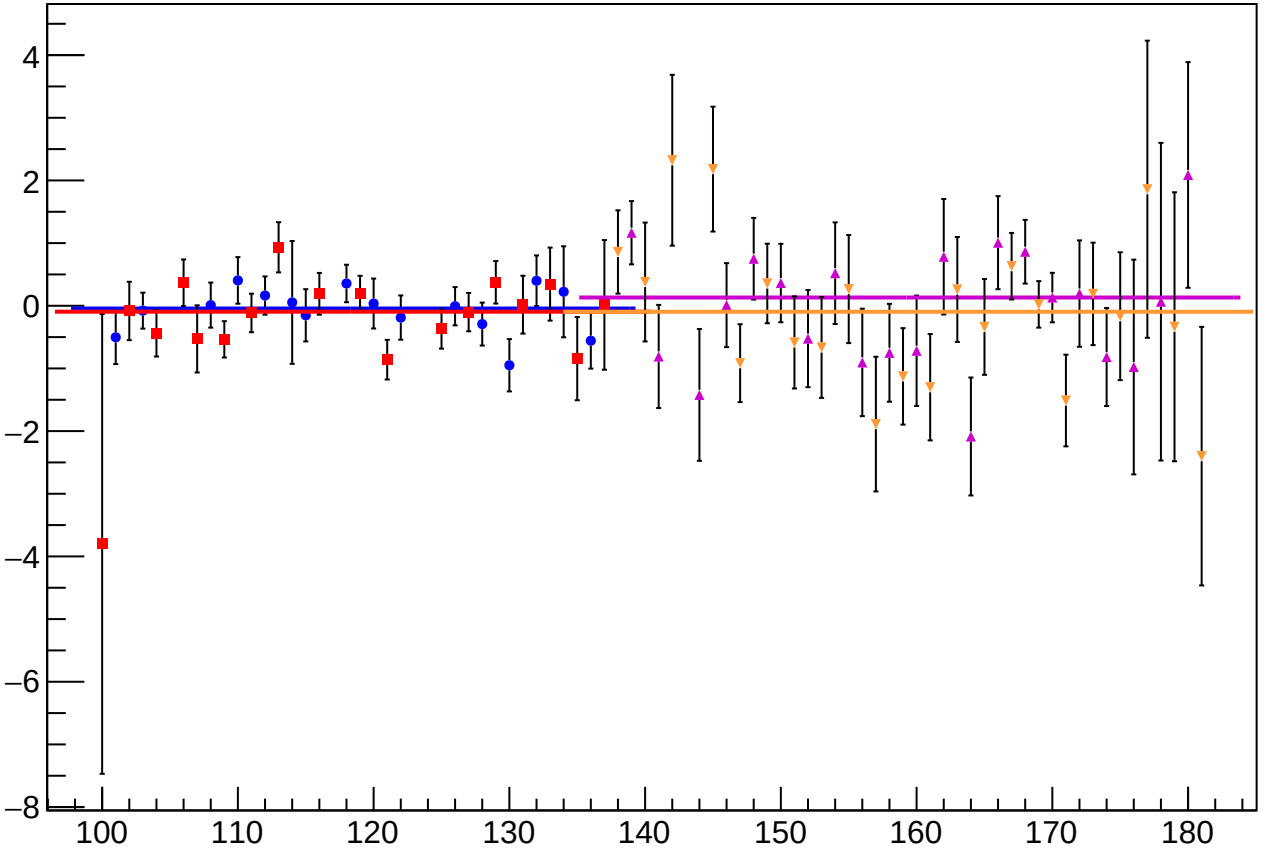
Left In: 0.000+/-0.000 χ^2/NDF:1494462.1/20

+ sign 0.000+/-0.000 χ^2/NDF: 10106680.7/38

All: 0.000+/-0.000 χ^2/NDF: 17624136.3/78

- sign 0.000+/-0.000 χ^2/NDF: 3806868.0/39

asym_atl2_dit_vs_cor_diff_mean vs Slug



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: -0.095+/-0.163 χ^2/NDF:28.7/21

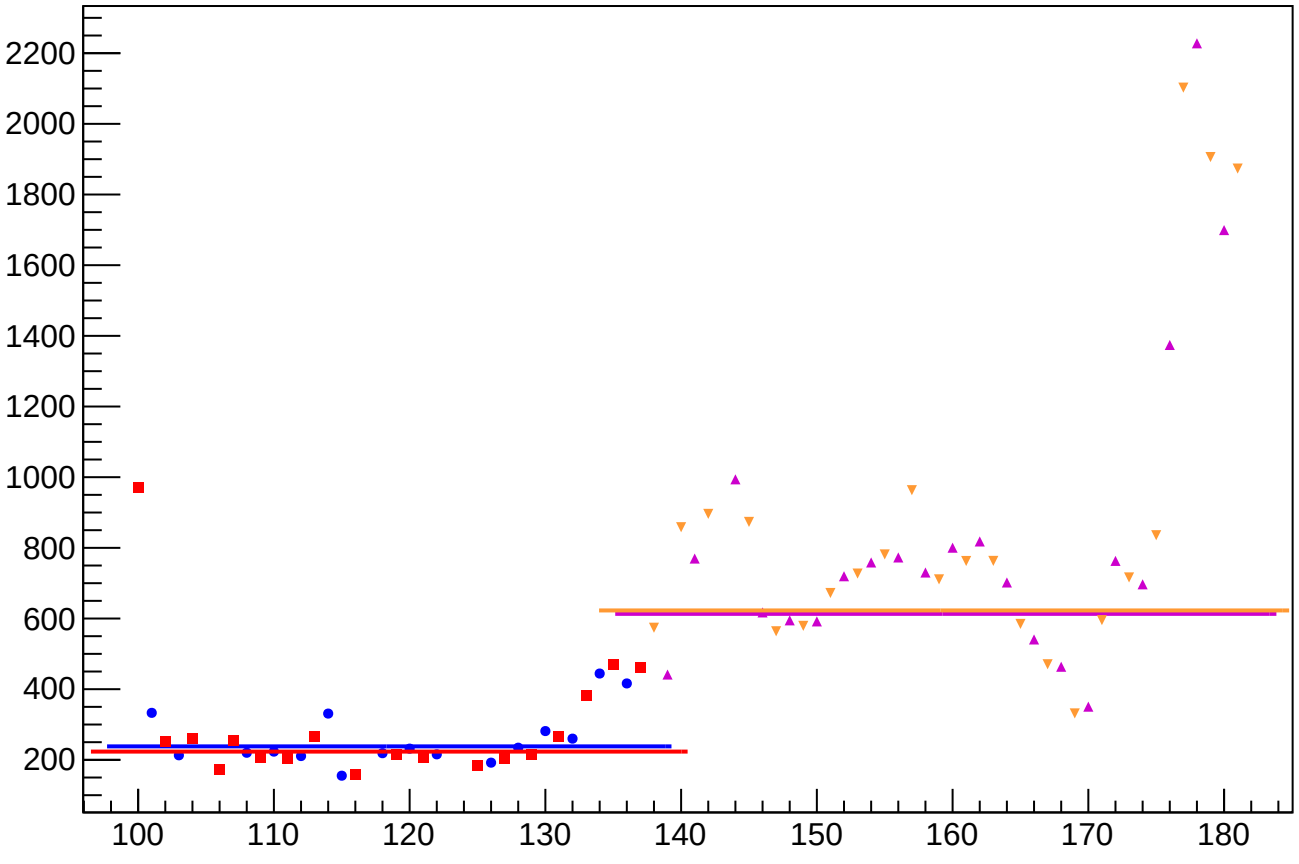
Right Out: -0.094+/-0.090 χ^2/NDF: 25.3/17

Left In: 0.132+/-0.160 χ^2/NDF:25.9/20

+ sign -0.057+/-0.081 χ^2/NDF: 41.9/37

All: -0.048+/-0.056 χ^2/NDF: 94.6/76

- sign -0.040+/-0.078 χ^2/NDF: 52.7/38



Right In: 238.165+/-0.066 χ^2/NDF: 807205.2/15

Left Out: 622.870+/-0.115 χ^2/NDF:4563453.8/21

Right Out: 223.388+/-0.064 χ^2/NDF: 862425.5/17

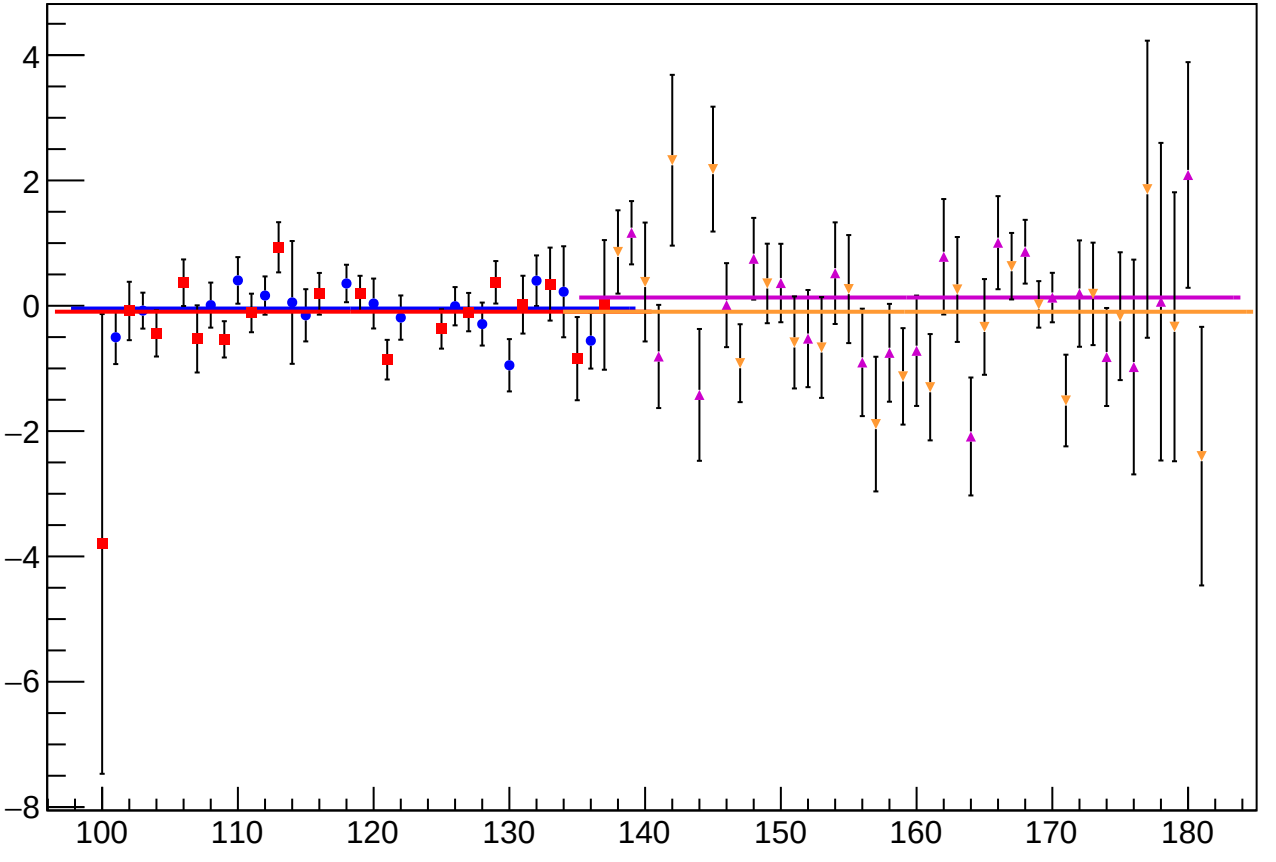
Left In: 613.214+/-0.113 χ^2/NDF:4089837.0/20

+ sign 333.768+/-0.057 χ^2/NDF: 13731224.2/37

All: 325.223+/-0.040 χ^2/NDF: 27755633.6/76

- sign 317.270+/-0.055 χ^2/NDF: 13981762.7/38

asym_atl2_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: -0.095+/-0.163 χ^2/NDF:28.7/21

Right Out: -0.094+/-0.090 χ^2/NDF: 25.3/17

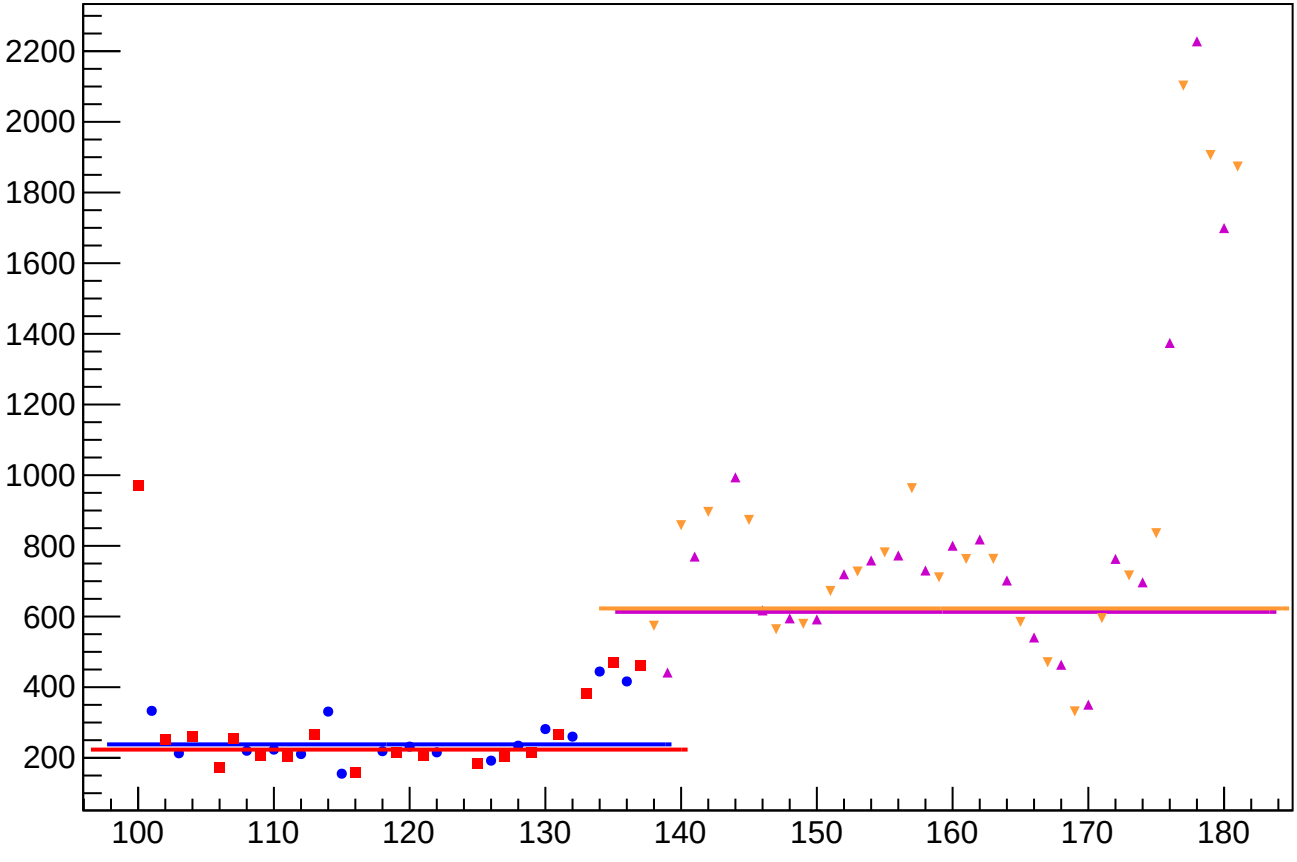
Left In: 0.132+/-0.160 χ^2/NDF:25.9/20

+ sign -0.057+/-0.081 χ^2/NDF: 41.9/37

All: -0.048+/-0.056 χ^2/NDF: 94.6/76

- sign -0.040+/-0.078 χ^2/NDF: 52.7/38

asym_atl2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 238.165+/-0.066 χ^2/NDF: 807205.2/15

Left Out: 622.870+/-0.115 χ^2/NDF:4563453.8/21

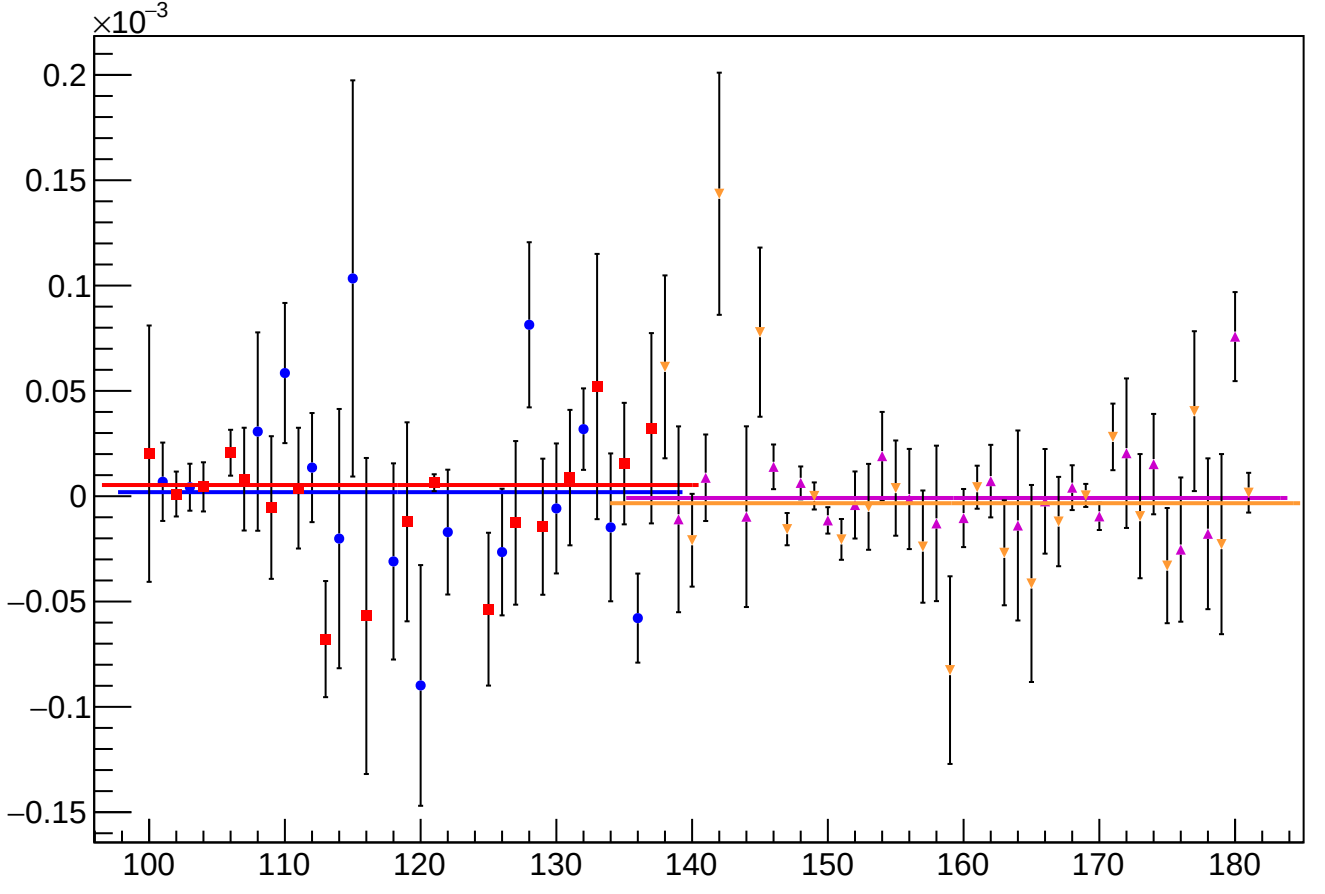
Right Out: 223.388+/-0.064 χ^2/NDF: 862425.5/17

Left In: 613.214+/-0.113 χ^2/NDF:4089837.0/20

+ sign 333.768+/-0.057 χ^2/NDF: 13731224.2/37

All: 325.223+/-0.040 χ^2/NDF: 27755633.6/76

- sign 317.270+/-0.055 χ^2/NDF: 13981762.7/38



Right In: 0.000+/-0.000 χ^2/NDF: 24.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:33.1/21

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

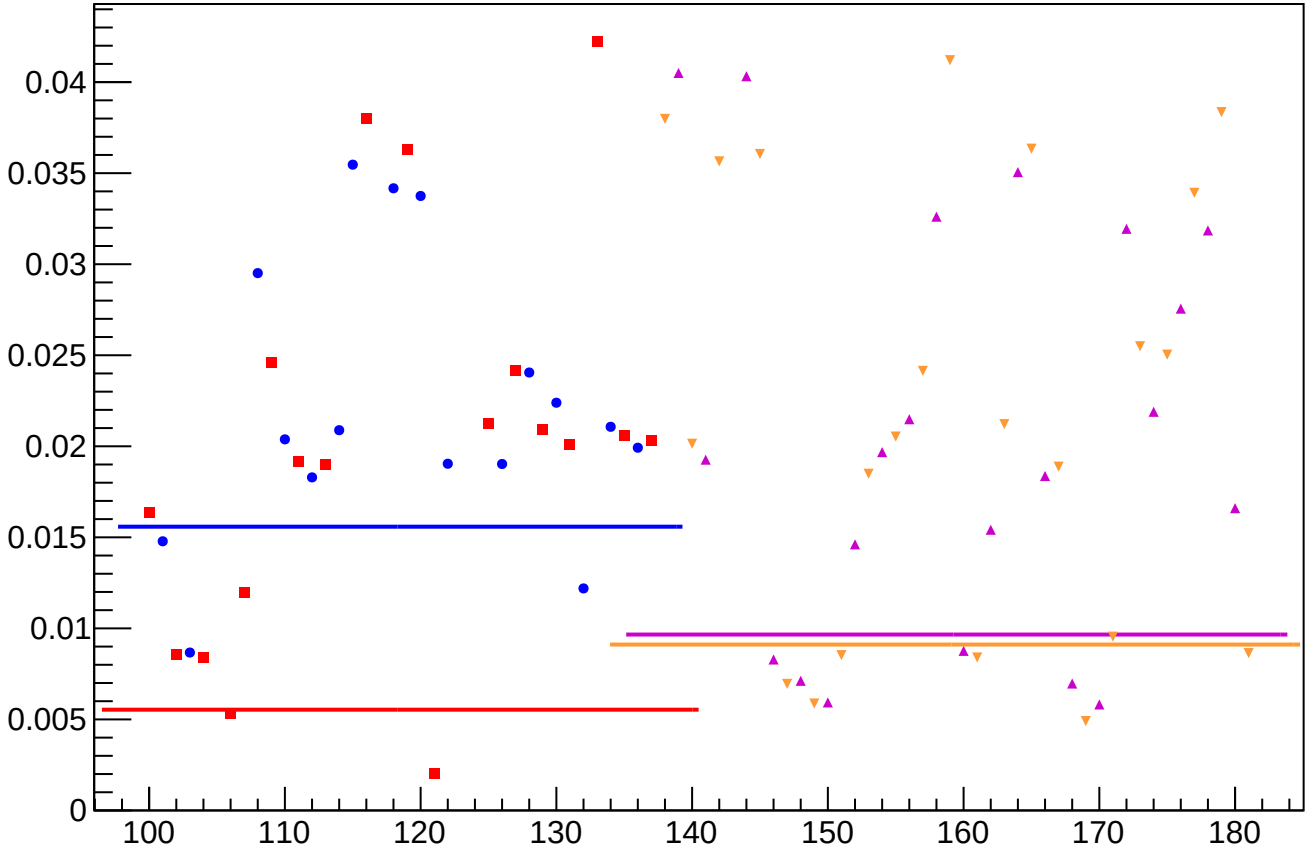
Left In: -0.000+/-0.000 χ^2/NDF:24.5/20

+ sign -0.000+/-0.000 χ^2/NDF: 57.7/37

All: 0.000+/-0.000 χ^2/NDF: 100.5/76

- sign 0.000+/-0.000 χ^2/NDF: 41.0/38

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:11851978.7/21

Right Out: 0.006+/-0.000 χ^2/NDF: 7954965.8/17

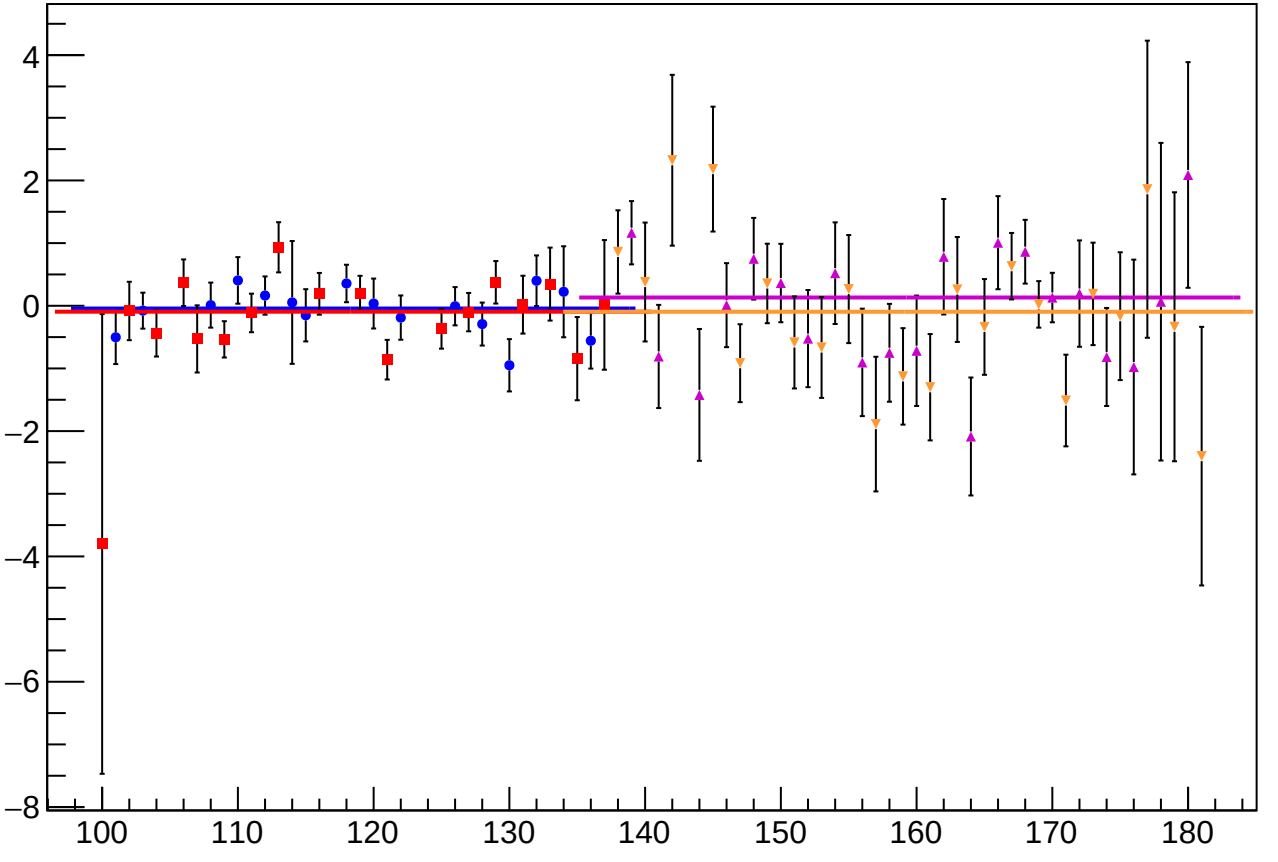
Left In: 0.010+/-0.000 χ^2/NDF:10095890.3/20

+ sign 0.010+/-0.000 χ^2/NDF: 15655302.8/37

All: 0.009+/-0.000 χ^2/NDF: 36517439.0/76

- sign 0.008+/-0.000 χ^2/NDF: 19833973.0/38

asym_atl2_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: -0.095+/-0.163 χ^2/NDF:28.7/21

Right Out: -0.094+/-0.090 χ^2/NDF: 25.3/17

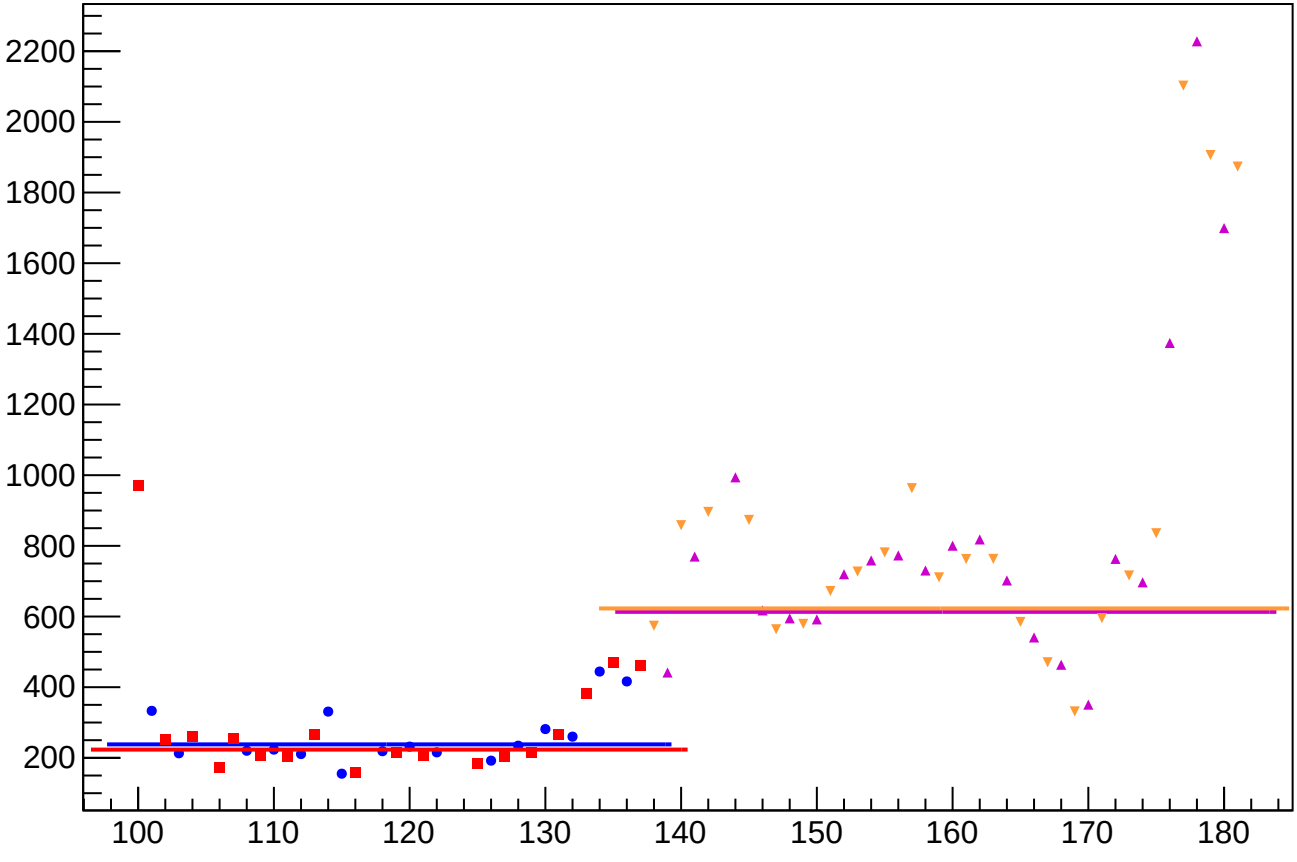
Left In: 0.132+/-0.160 χ^2/NDF:25.9/20

+ sign -0.057+/-0.081 χ^2/NDF: 41.9/37

All: -0.048+/-0.056 χ^2/NDF: 94.6/76

- sign -0.040+/-0.078 χ^2/NDF: 52.7/38

asym_atl2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 238.165+/-0.066 χ^2/NDF: 807170.1/15

Left Out: 622.874+/-0.115 χ^2/NDF:4563515.0/21

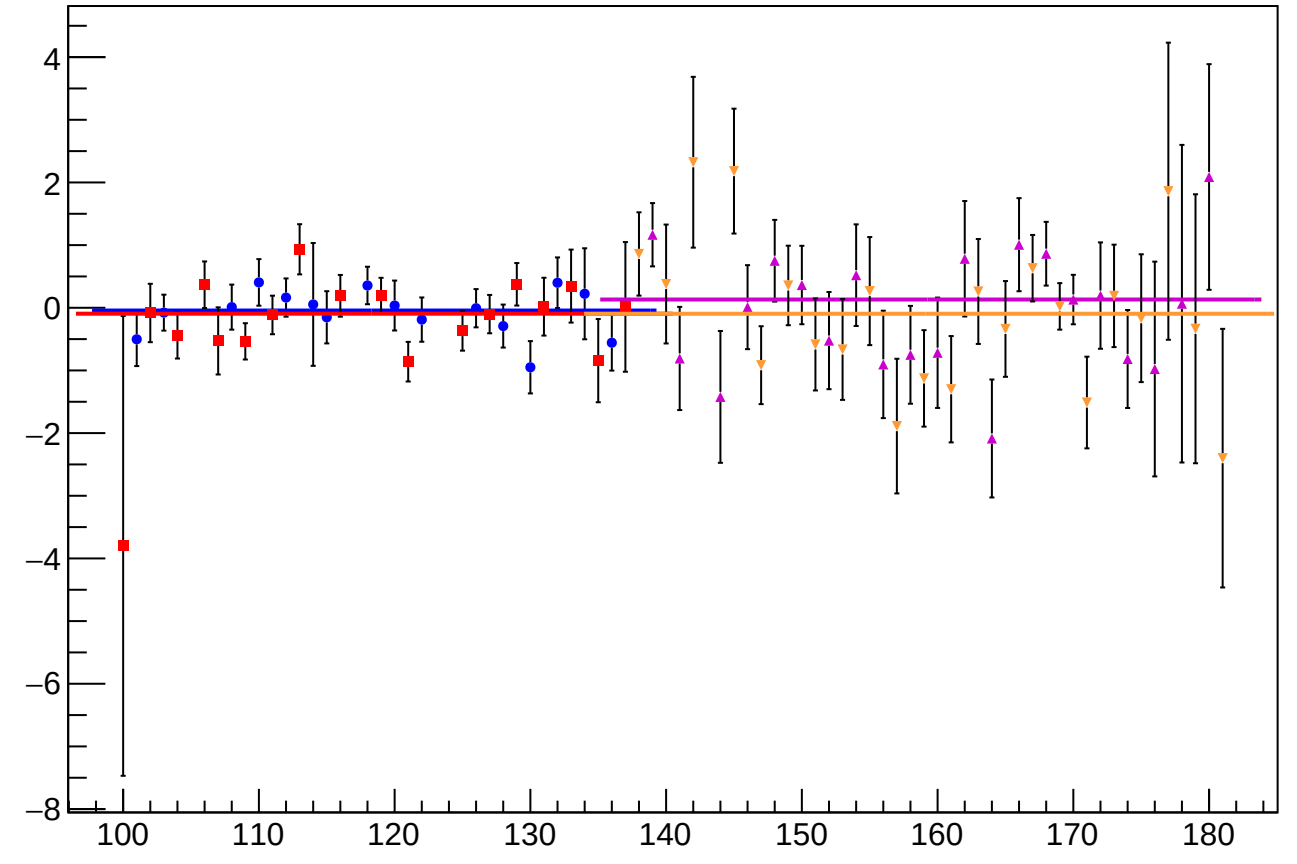
Right Out: 223.390+/-0.064 χ^2/NDF: 862366.3/17

Left In: 613.220+/-0.113 χ^2/NDF:4089821.5/20

+ sign 333.769+/-0.057 χ^2/NDF: 13731285.4/37

All: 325.224+/-0.040 χ^2/NDF: 27755676.5/76

- sign 317.271+/-0.055 χ^2/NDF: 13981749.7/38



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: -0.095+/-0.163 χ^2/NDF:28.7/21

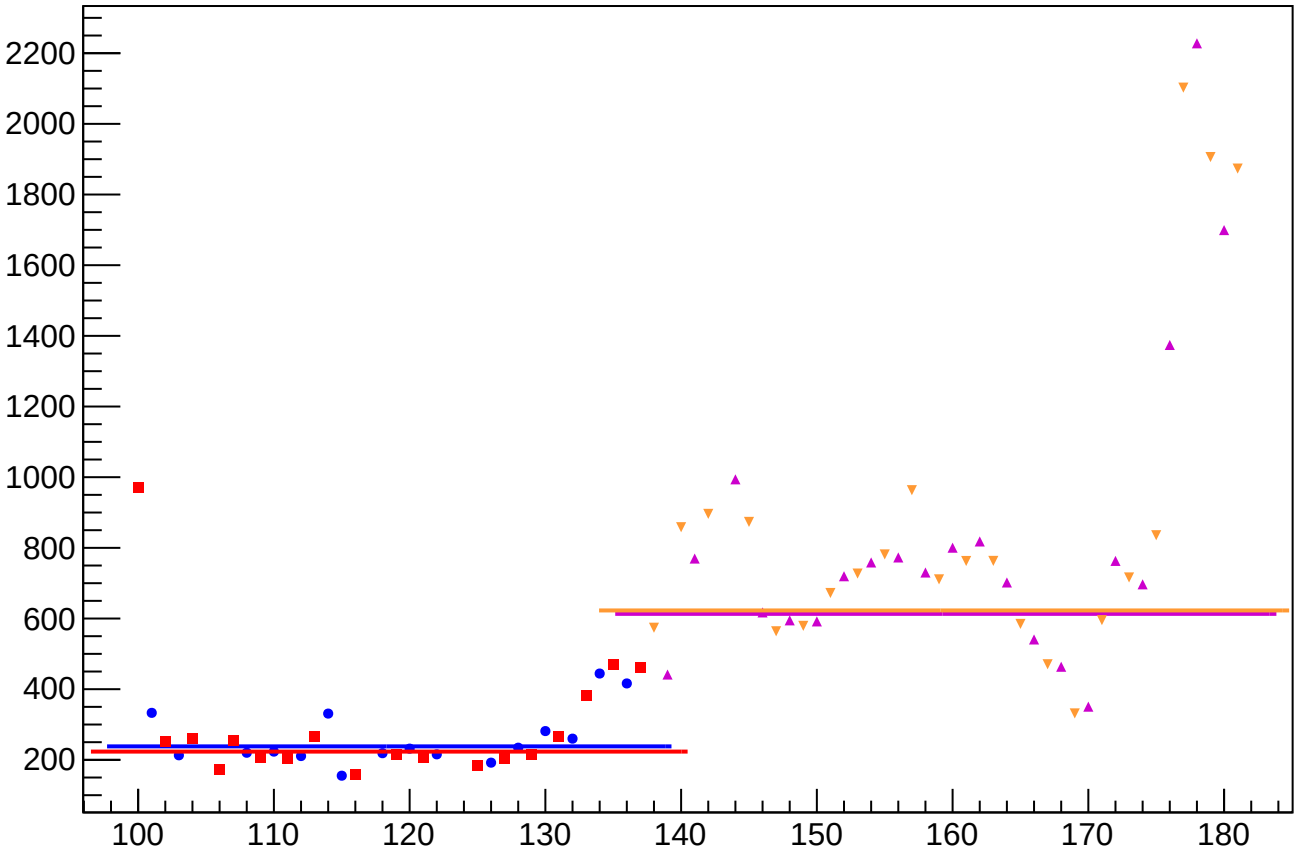
Right Out: -0.094+/-0.090 χ^2/NDF: 25.3/17

Left In: 0.132+/-0.160 χ^2/NDF:25.9/20

+ sign -0.057+/-0.081 χ^2/NDF: 41.9/37

All: -0.048+/-0.056 χ^2/NDF: 94.6/76

- sign -0.040+/-0.078 χ^2/NDF: 52.7/38



Right In: 238.165+/-0.066 χ^2/NDF: 807170.1/15

Left Out: 622.874+/-0.115 χ^2/NDF:4563515.0/21

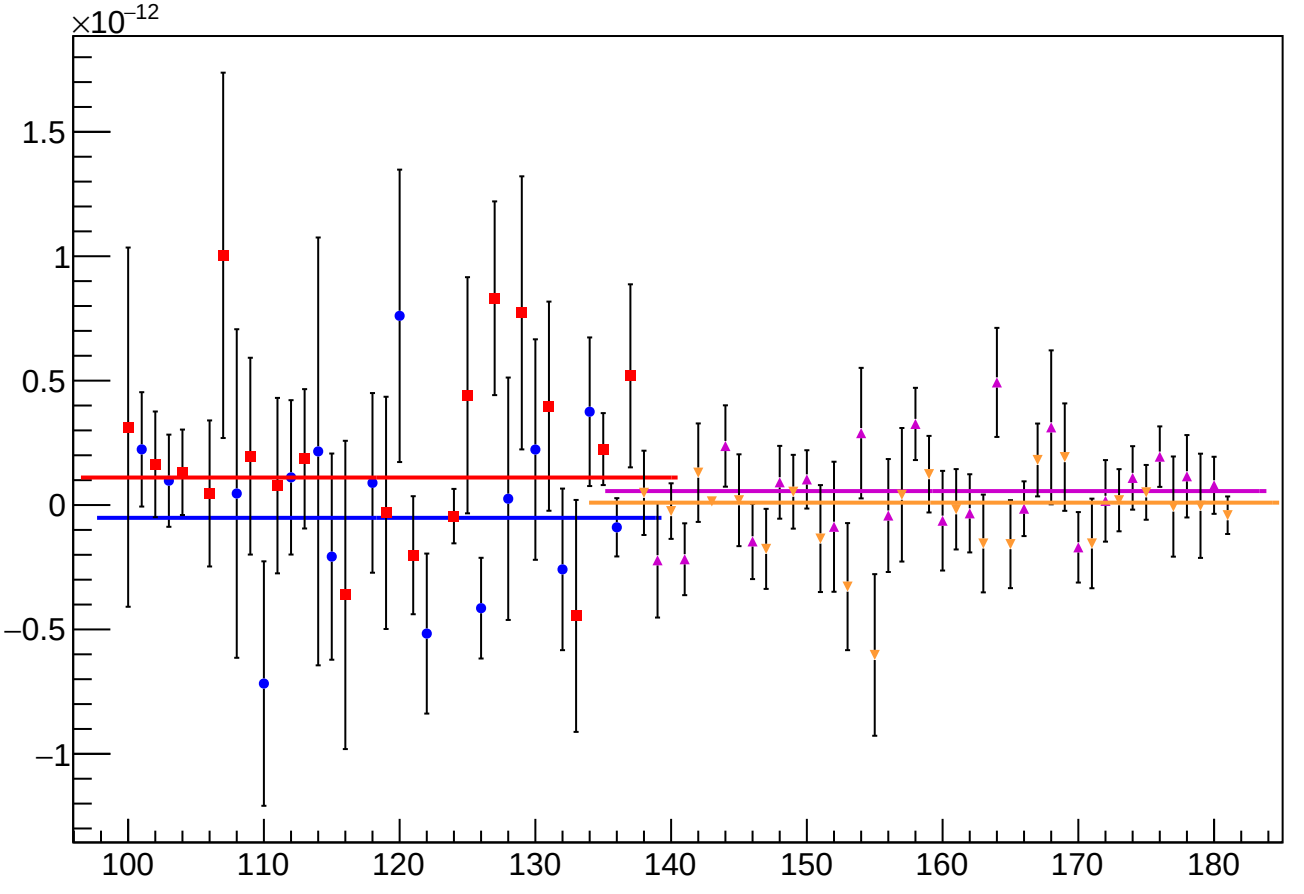
Right Out: 223.390+/-0.064 χ^2/NDF: 862366.3/17

Left In: 613.220+/-0.113 χ^2/NDF:4089821.5/20

+ sign 333.769+/-0.057 χ^2/NDF: 13731285.4/37

All: 325.224+/-0.040 χ^2/NDF: 27755676.5/76

- sign 317.271+/-0.055 χ^2/NDF: 13981749.7/38



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.5/22

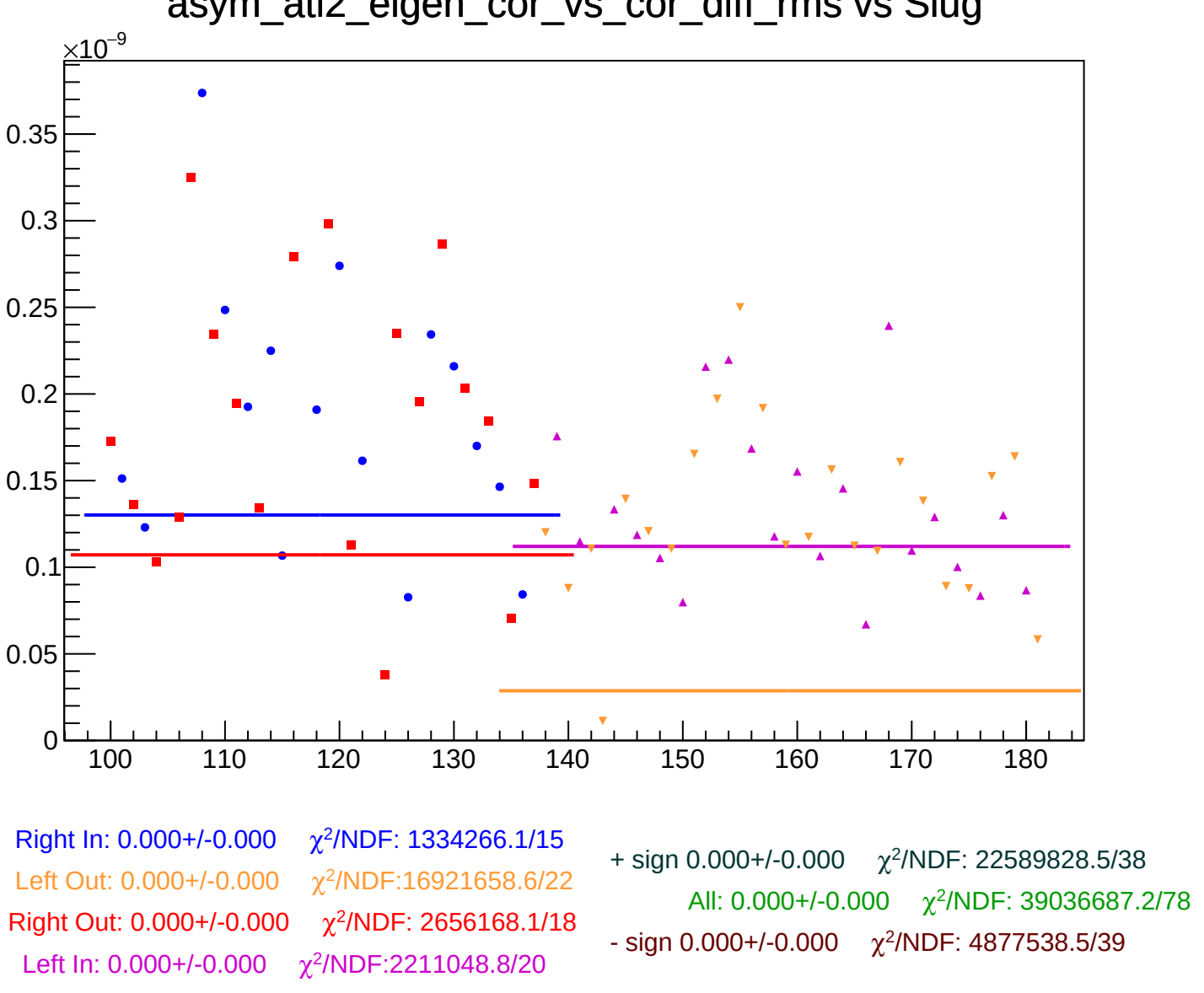
Right Out: 0.000+/-0.000 χ^2/NDF: 15.3/18

Left In: 0.000+/-0.000 χ^2/NDF:23.0/20

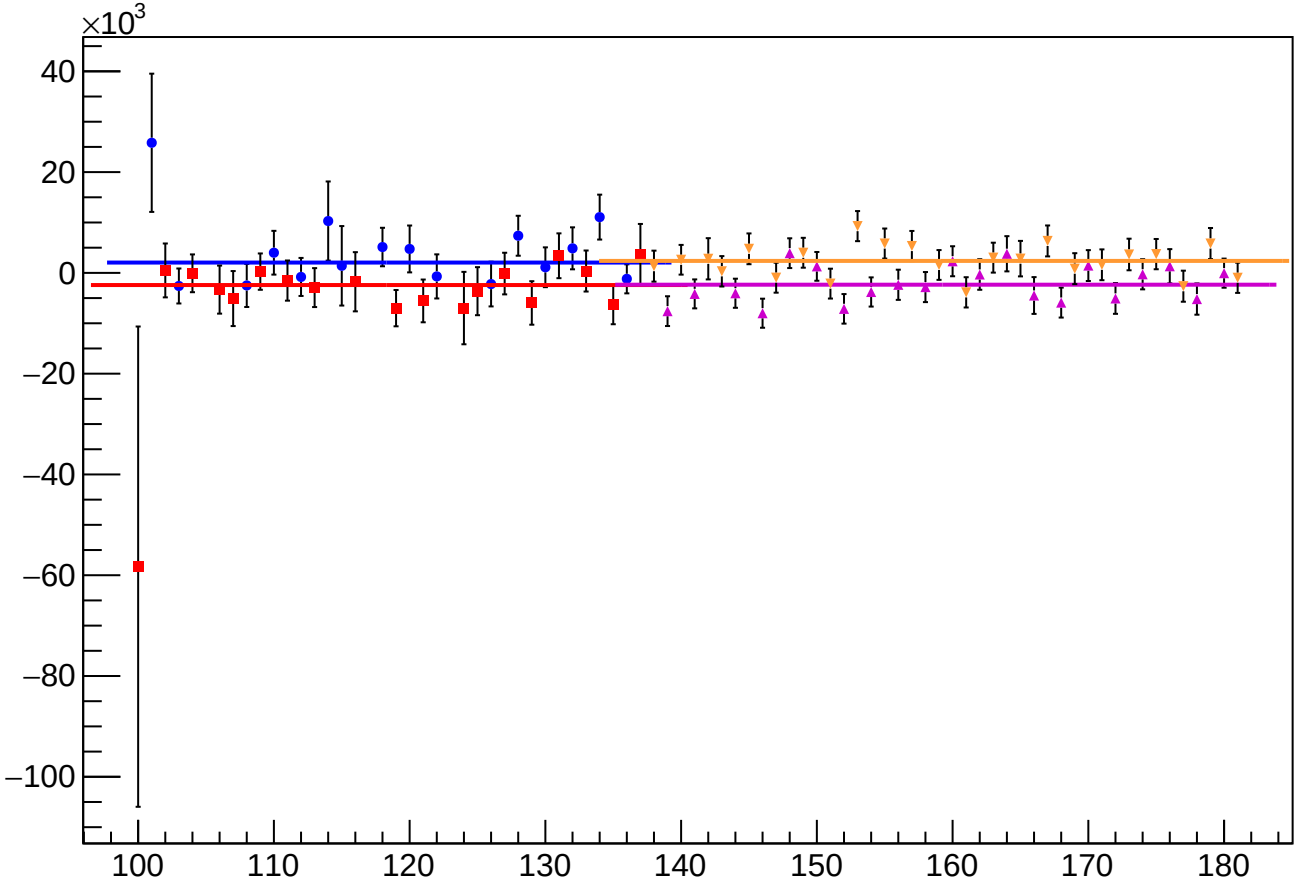
+ sign 0.000+/-0.000 χ^2/NDF: 29.1/38

All: 0.000+/-0.000 χ^2/NDF: 71.8/78

- sign 0.000+/-0.000 χ^2/NDF: 39.0/39


asym_atl2_eigen_cor_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: 1334266.1/15
Left Out: 0.000+/-0.000 χ²/NDF:16921658.6/22
Right Out: 0.000+/-0.000 χ²/NDF: 2656168.1/18
Left In: 0.000+/-0.000 χ²/NDF:2211048.8/20
+ sign 0.000+/-0.000 χ²/NDF: 22589828.5/38
All: 0.000+/-0.000 χ²/NDF: 39036687.2/78
- sign 0.000+/-0.000 χ²/NDF: 4877538.5/39

reg_asym_atr1_mean vs Slug



Right In: 2049.493+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 2376.580+/-639.199 χ^2/NDF:24.7/22

Right Out: -2411.858+/-1035.471 χ^2/NDF: 10.8/18

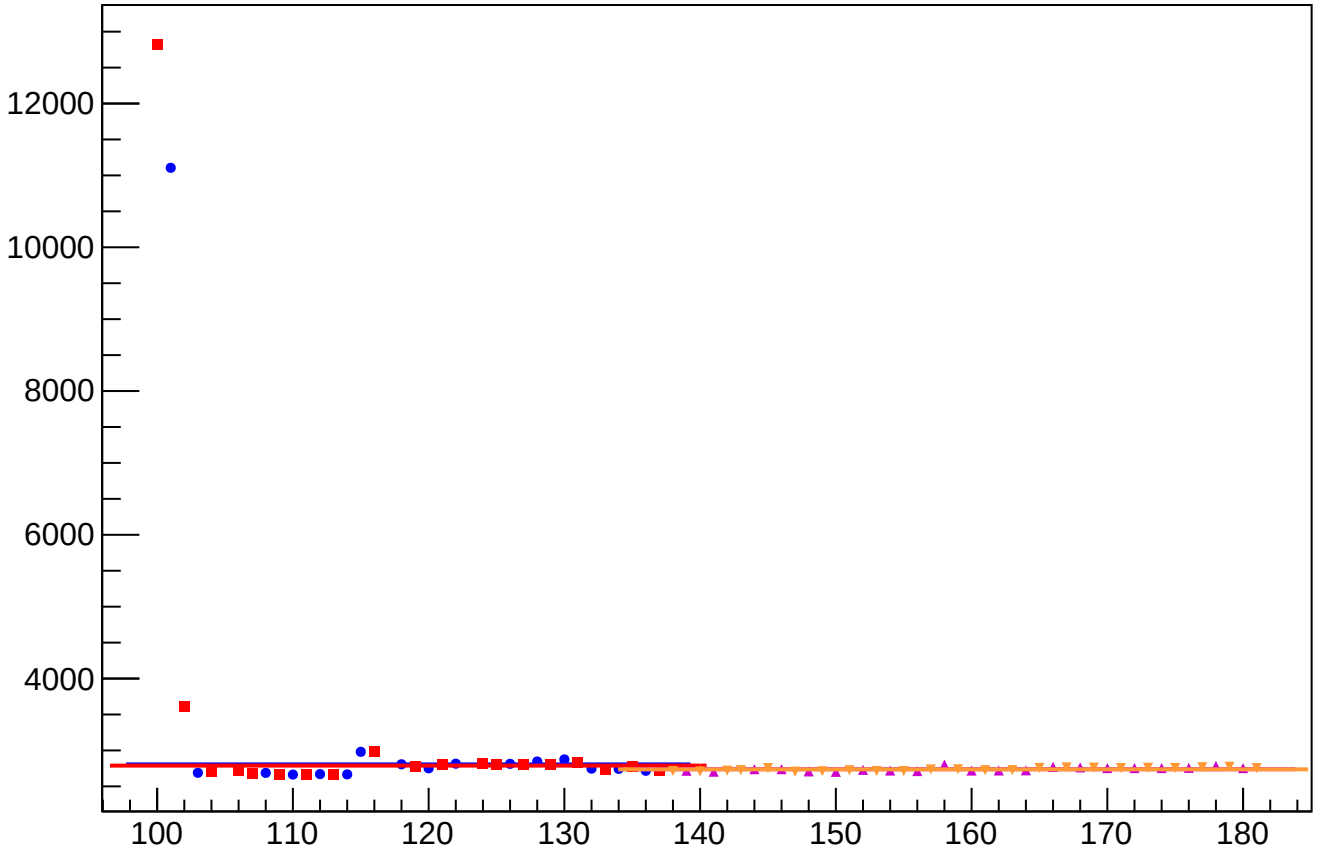
Left In: -2344.303+/-659.378 χ^2/NDF:30.0/20

+ sign 2290.601+/-548.794 χ^2/NDF: 42.6/38

All: -5.470+/-390.643 χ^2/NDF: 118.8/78

- sign -2363.793+/-556.184 χ^2/NDF: 40.8/39

reg_asym_atr1_rms vs Slug



Right In: 2805.446+/-0.757 χ^2/NDF: 746240.6/15

Left Out: 2736.796+/-0.452 χ^2/NDF:2266.2/22

Right Out: 2788.820+/-0.732 χ^2/NDF: 146998.3/18

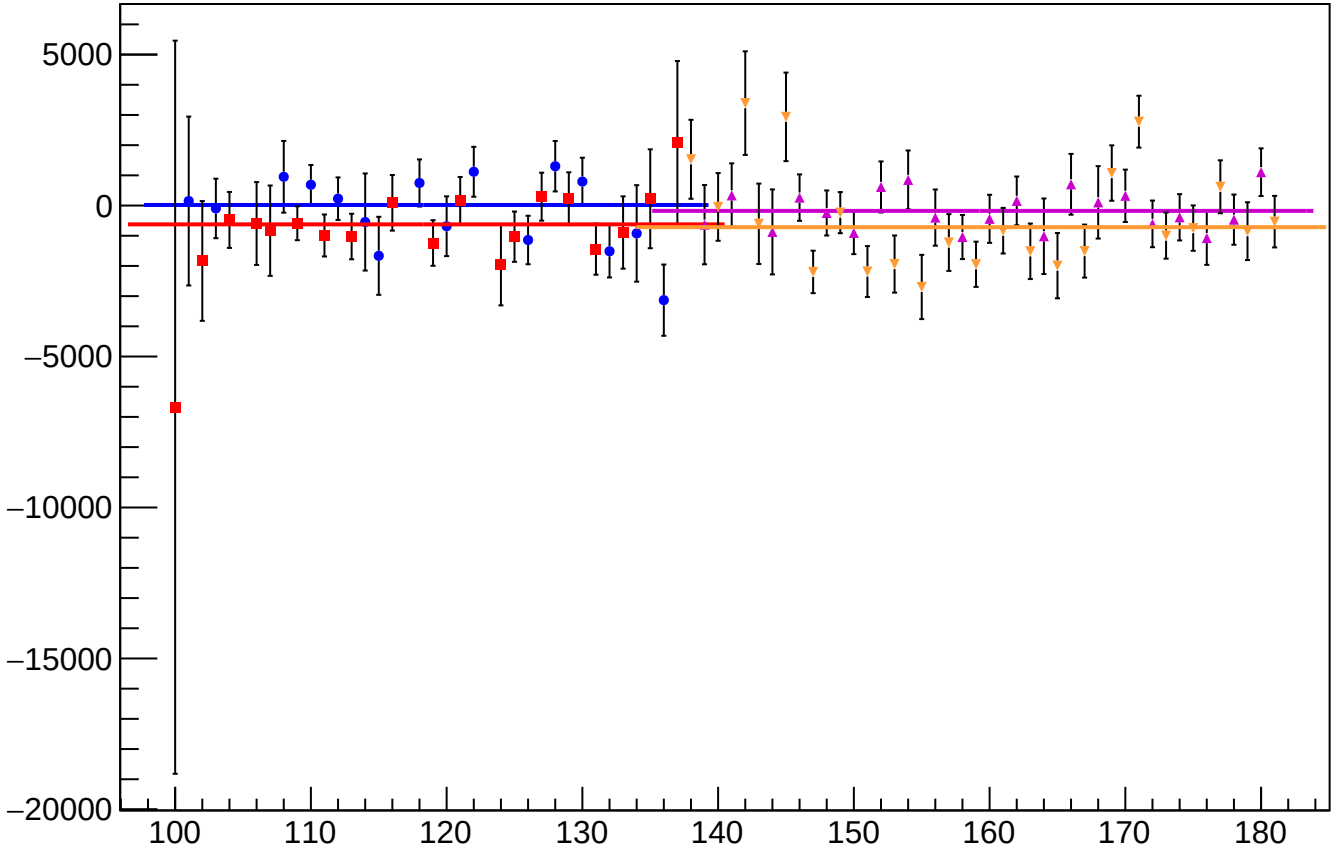
Left In: 2738.925+/-0.466 χ^2/NDF:3293.1/20

+ sign 2754.842+/-0.388 χ^2/NDF: 754570.9/38

All: 2754.091+/-0.276 χ^2/NDF: 908173.9/78

- sign 2753.321+/-0.393 χ^2/NDF: 153595.4/39

asym_atr1_reg_correction_mean vs Slug



Right In: 18.981+/-233.483 χ^2/NDF: 22.8/15

Left Out: -715.923+/-188.499 χ^2/NDF:57.2/22

Right Out: -623.107+/-215.948 χ^2/NDF: 9.3/18

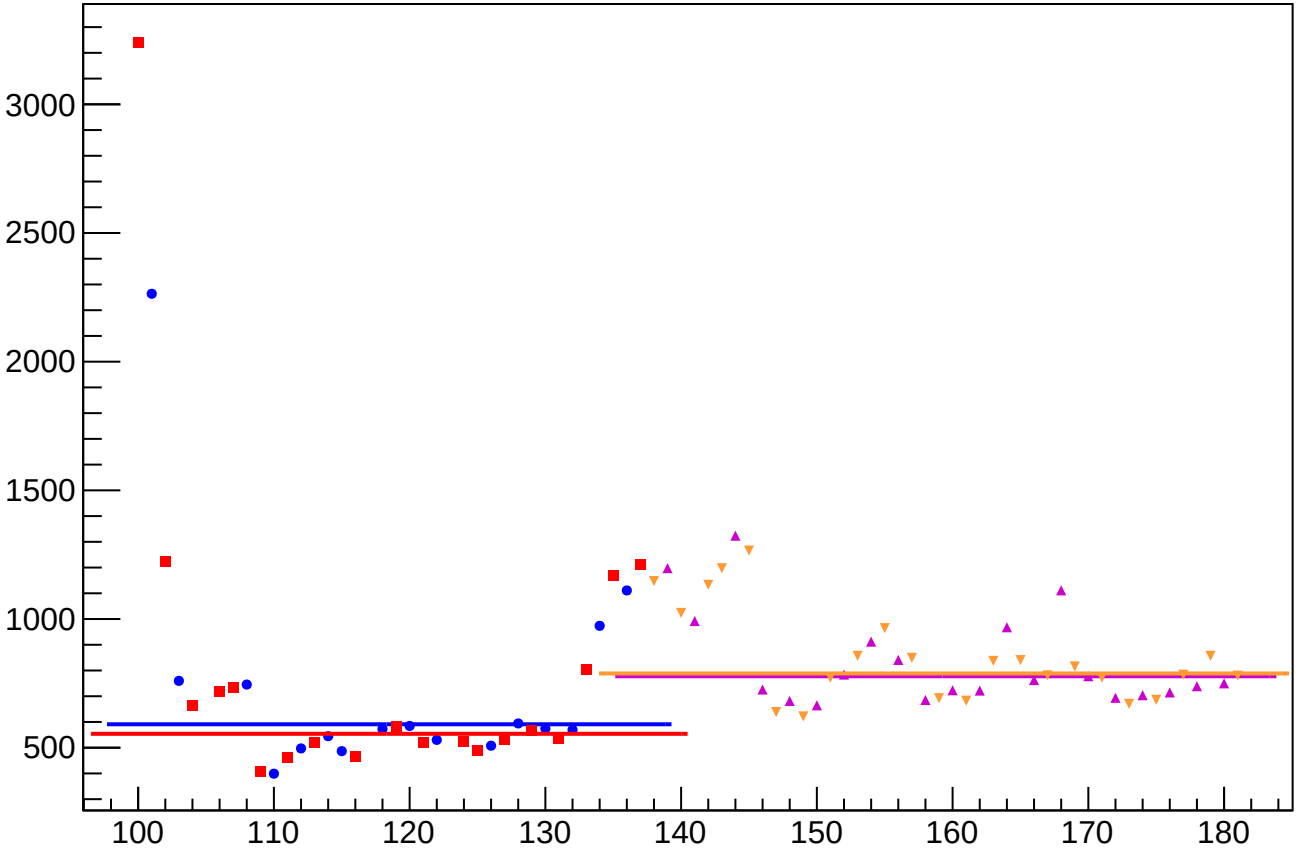
Left In: -176.546+/-190.957 χ^2/NDF:11.5/20

\+ sign -425.932+/-146.667 χ^2/NDF: 86.0/38

All: -398.551+/-102.407 χ^2/NDF: 109.2/78

\- sign -372.503+/-143.050 χ^2/NDF: 23.2/39

asym_atr1_reg_correction_rms vs Slug



Right In: 591.041+/-0.165 χ^2/NDF: 1567663.5/15

Left Out: 788.487+/-0.133 χ^2/NDF:1186191.1/22

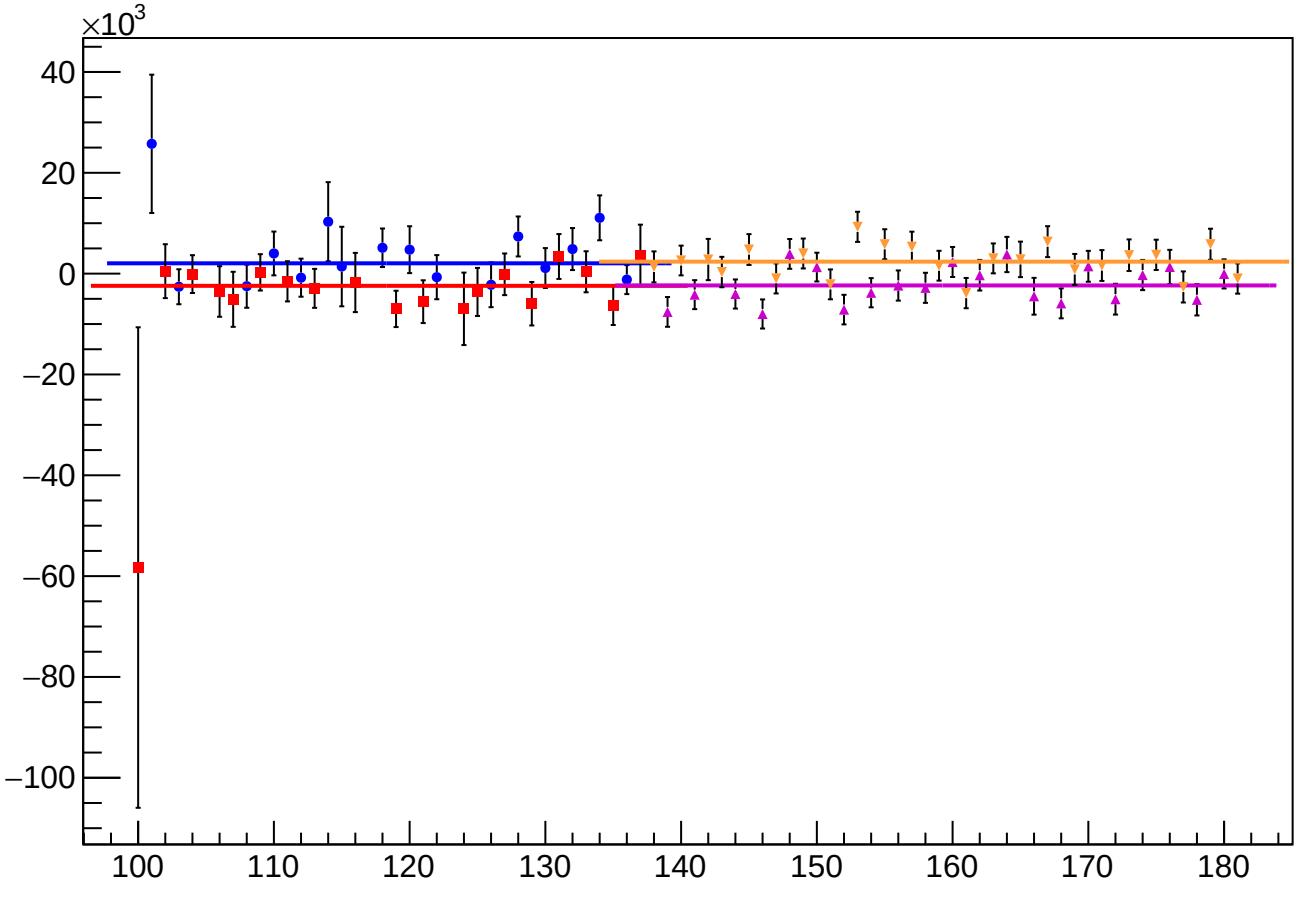
Right Out: 553.982+/-0.153 χ^2/NDF: 1116915.2/18

Left In: 777.573+/-0.135 χ^2/NDF:1040145.5/20

+ sign 710.575+/-0.104 χ^2/NDF: 3619741.2/38

All: 694.628+/-0.072 χ^2/NDF: 7026165.0/78

- sign 679.458+/-0.101 χ^2/NDF: 3360286.3/39



Right In: 2048.688+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 2376.573+/-639.199 χ^2/NDF:24.7/22

Right Out: -2417.909+/-1037.856 χ^2/NDF: 10.8/18

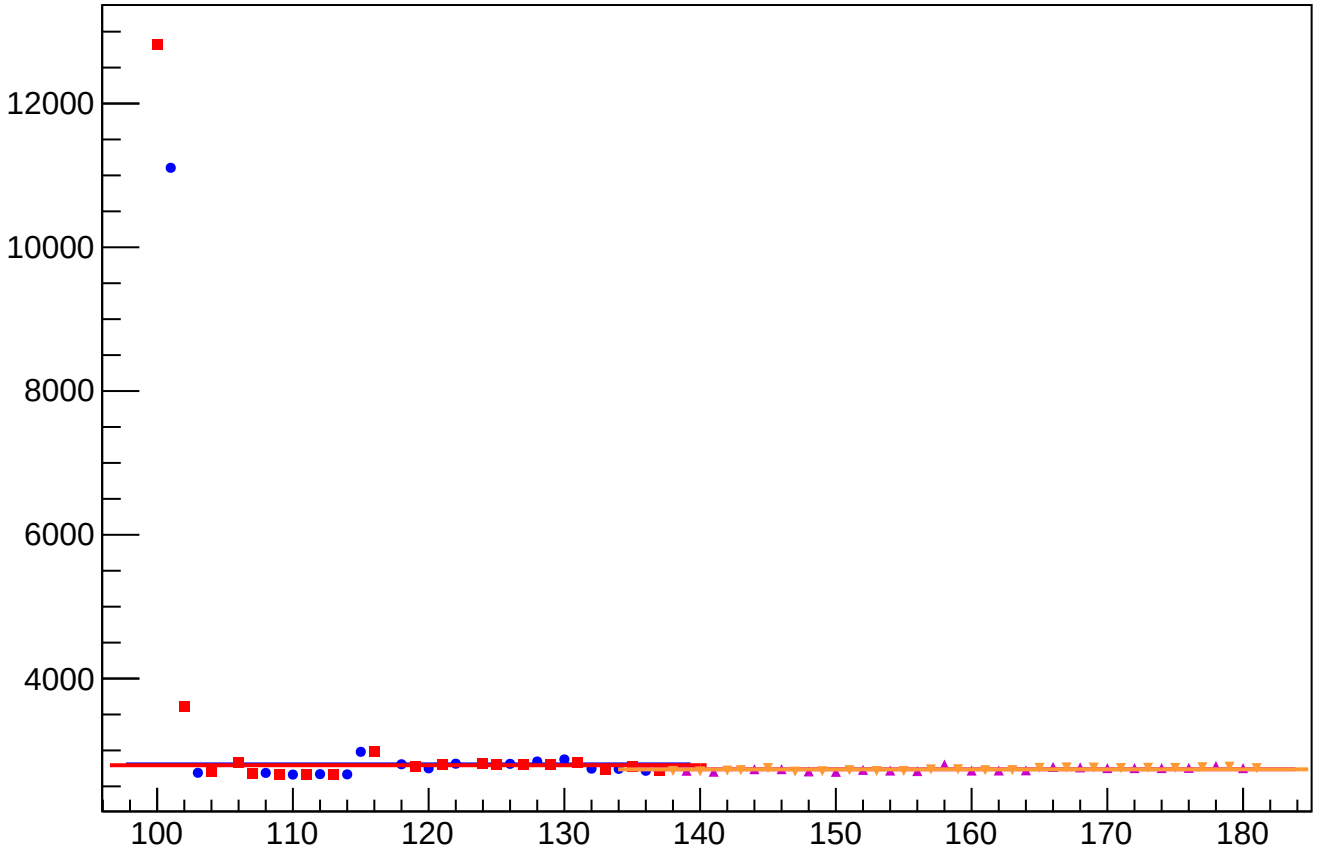
Left In: -2344.401+/-659.378 χ^2/NDF:30.0/20

+ sign 2290.384+/-548.794 χ^2/NDF: 42.5/38

All: -4.899+/-390.770 χ^2/NDF: 118.8/78

- sign -2365.540+/-556.553 χ^2/NDF: 40.8/39

cor_asym_atr1_rms vs Slug



Right In: 2805.446+/-0.757 χ^2/NDF: 746239.8/15

Left Out: 2736.796+/-0.452 χ^2/NDF:2266.2/22

Right Out: 2794.157+/-0.734 χ^2/NDF: 146744.3/18

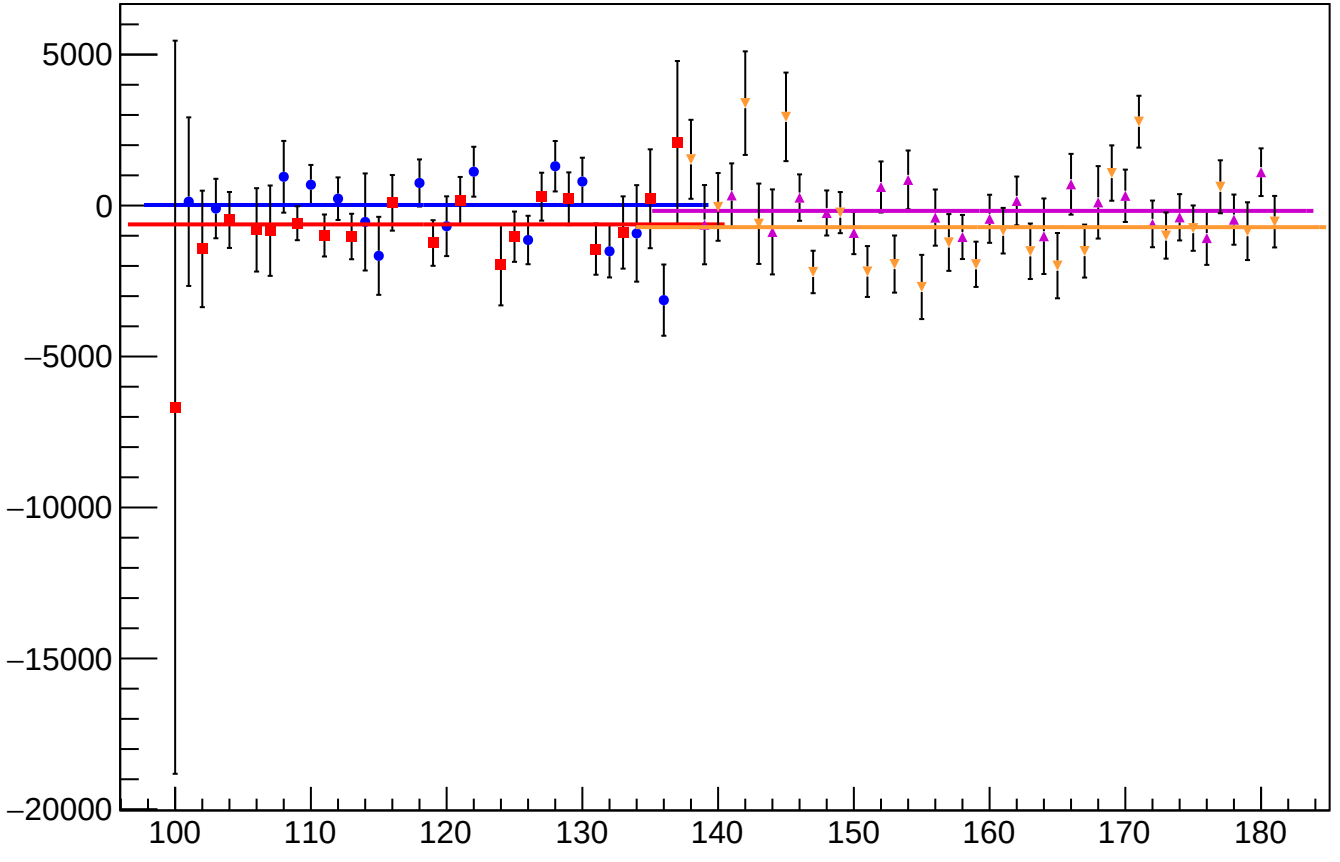
Left In: 2738.925+/-0.466 χ^2/NDF:3293.1/20

+ sign 2754.842+/-0.388 χ^2/NDF: 754570.0/38

All: 2754.825+/-0.276 χ^2/NDF: 908642.7/78

- sign 2754.808+/-0.394 χ^2/NDF: 154072.7/39

asym_atr1_cor_correction_mean vs Slug



Right In: 18.940+/-233.471 χ^2/NDF: 22.8/15

Left Out: -715.922+/-188.499 χ^2/NDF:57.2/22

Right Out: -624.217+/-215.902 χ^2/NDF: 9.1/18

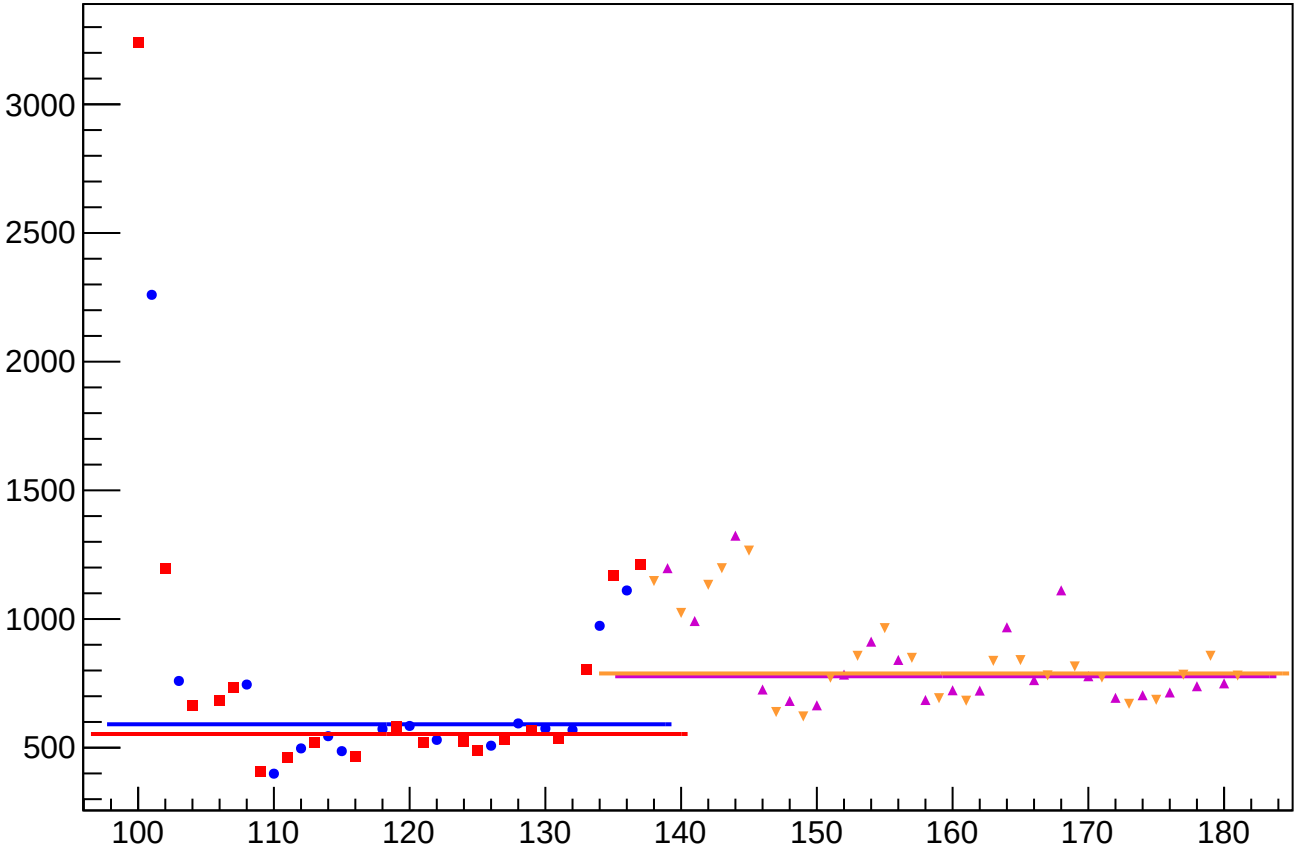
Left In: -176.642+/-190.958 χ^2/NDF:11.5/20

\+ sign -425.931+/-146.664 χ^2/NDF: 86.0/38

All: -398.850+/-102.401 χ^2/NDF: 109.1/78

\- sign -373.092+/-143.037 χ^2/NDF: 23.0/39

asym_atr1_cor_correction_rms vs Slug



Right In: 591.039+/-0.165 χ^2/NDF: 1566635.0/15

Left Out: 788.485+/-0.133 χ^2/NDF:1186219.0/22

Right Out: 553.233+/-0.153 χ^2/NDF: 1101651.0/18

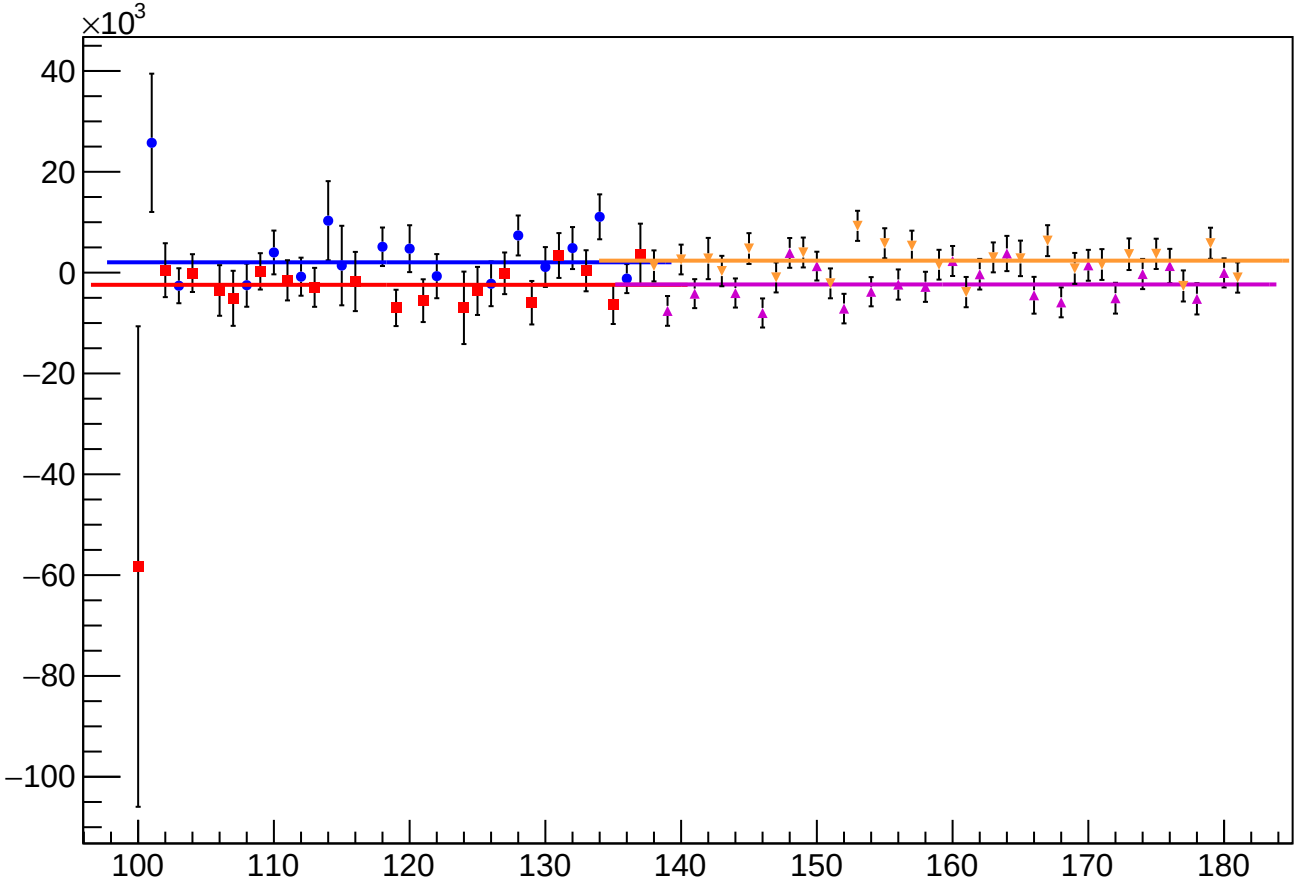
Left In: 777.576+/-0.135 χ^2/NDF:1040078.0/20

+ sign 710.569+/-0.104 χ^2/NDF: 3618788.8/38

All: 694.444+/-0.072 χ^2/NDF: 7019308.6/78

- sign 679.107+/-0.101 χ^2/NDF: 3353350.1/39

eigen_cor_asym_atr1_mean vs Slug



Right In: 2048.688+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 2376.573+/-639.199 χ^2/NDF:24.7/22

Right Out: -2417.909+/-1037.856 χ^2/NDF: 10.8/18

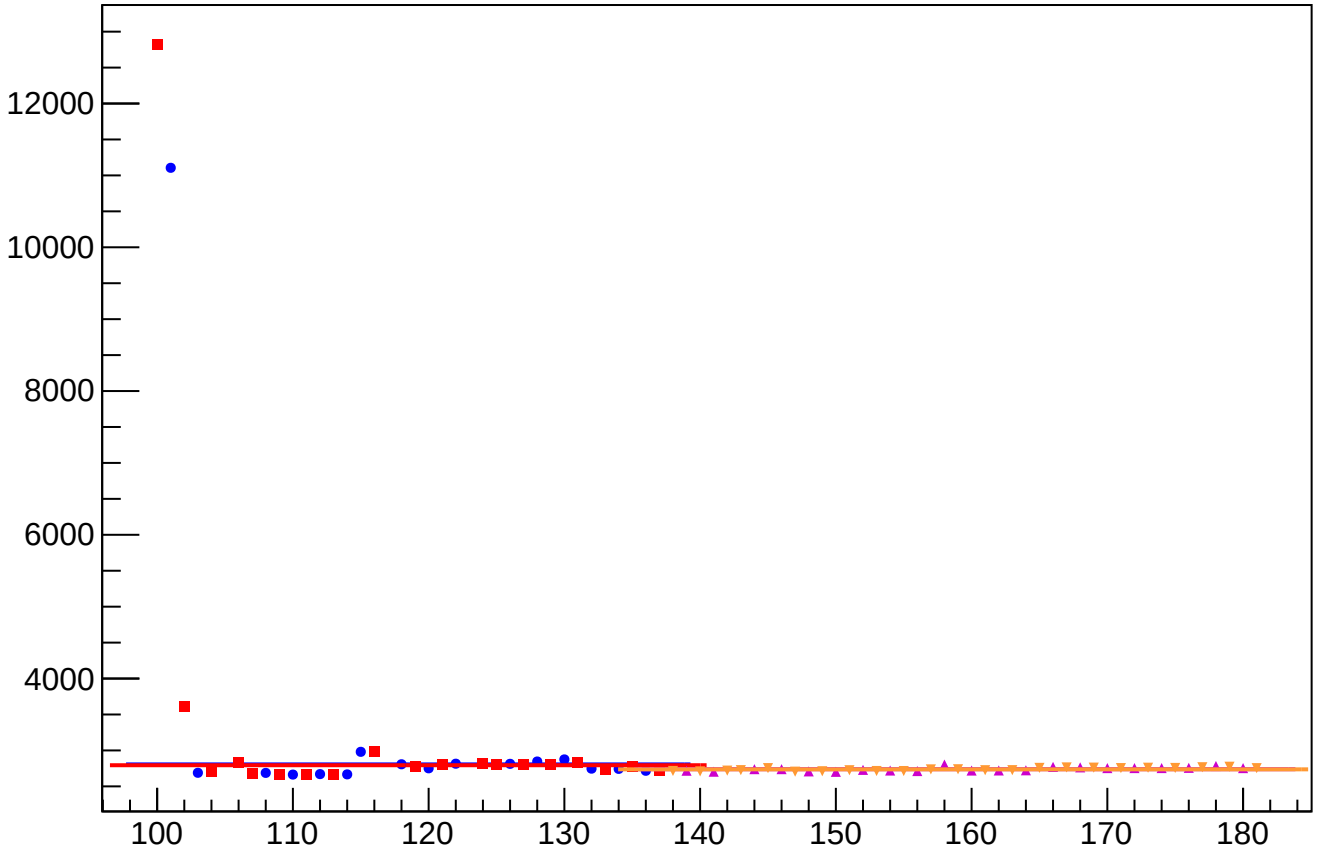
Left In: -2344.401+/-659.378 χ^2/NDF:30.0/20

+ sign 2290.384+/-548.794 χ^2/NDF: 42.5/38

All: -4.899+/-390.770 χ^2/NDF: 118.8/78

- sign -2365.540+/-556.553 χ^2/NDF: 40.8/39

eigen_cor_asym_atr1_rms vs Slug



Right In: 2805.446+/-0.757 χ^2/NDF: 746239.8/15

Left Out: 2736.796+/-0.452 χ^2/NDF:2266.2/22

Right Out: 2794.157+/-0.734 χ^2/NDF: 146744.3/18

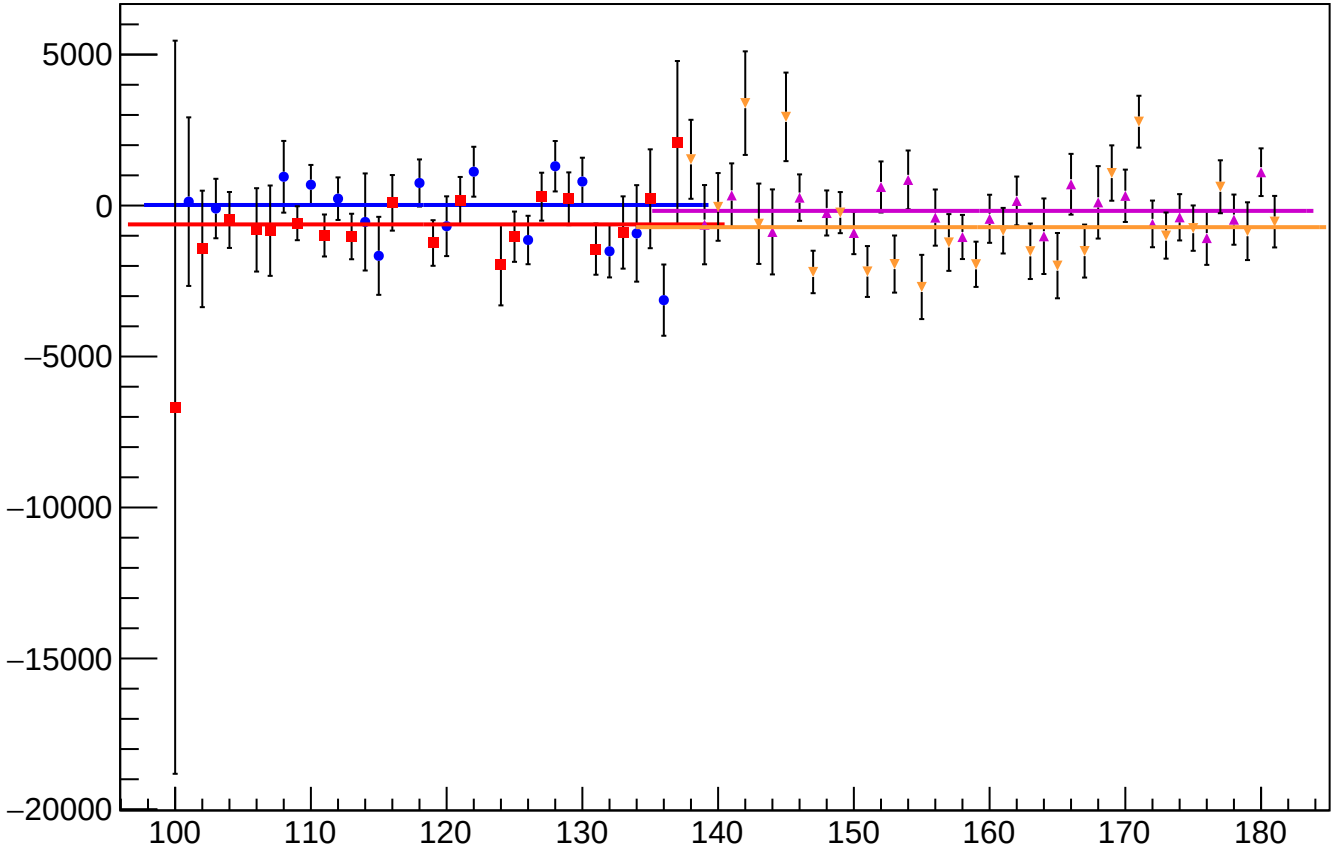
Left In: 2738.925+/-0.466 χ^2/NDF:3293.1/20

+ sign 2754.842+/-0.388 χ^2/NDF: 754570.0/38

All: 2754.825+/-0.276 χ^2/NDF: 908642.7/78

- sign 2754.808+/-0.394 χ^2/NDF: 154072.7/39

asym_atr1_eigen_cor_correction_mean vs Slug



Right In: 18.940+/-233.471 χ^2/NDF: 22.8/15

Left Out: -715.922+/-188.499 χ^2/NDF:57.2/22

Right Out: -624.217+/-215.902 χ^2/NDF: 9.1/18

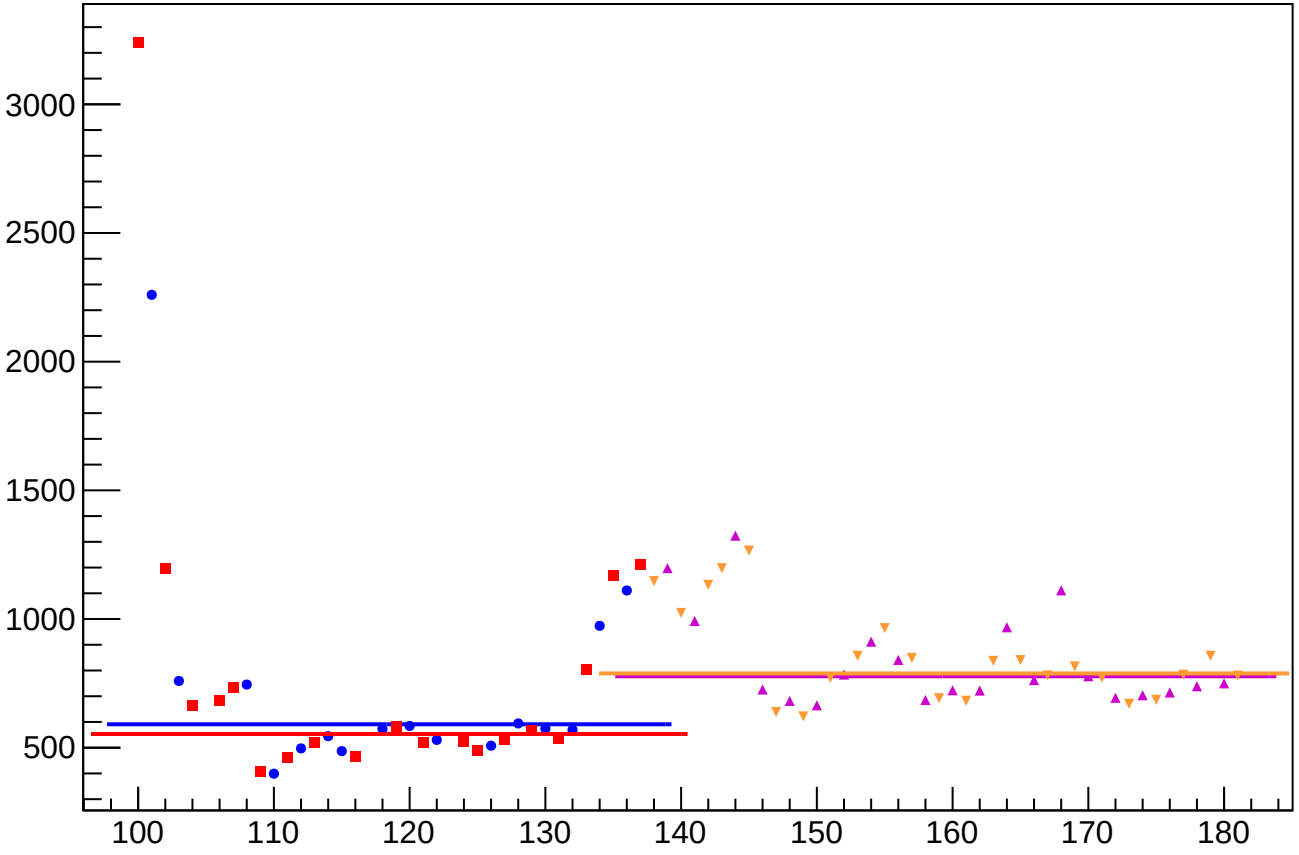
Left In: -176.642+/-190.958 χ^2/NDF:11.5/20

\+ sign -425.931+/-146.664 χ^2/NDF: 86.0/38

All: -398.850+/-102.401 χ^2/NDF: 109.1/78

\- sign -373.092+/-143.037 χ^2/NDF: 23.0/39

asym_atr1_eigen_cor_correction_rms vs Slug



Right In: 591.039+/-0.165 χ^2/NDF: 1566635.0/15

Left Out: 788.485+/-0.133 χ^2/NDF:1186219.0/22

Right Out: 553.233+/-0.153 χ^2/NDF: 1101651.0/18

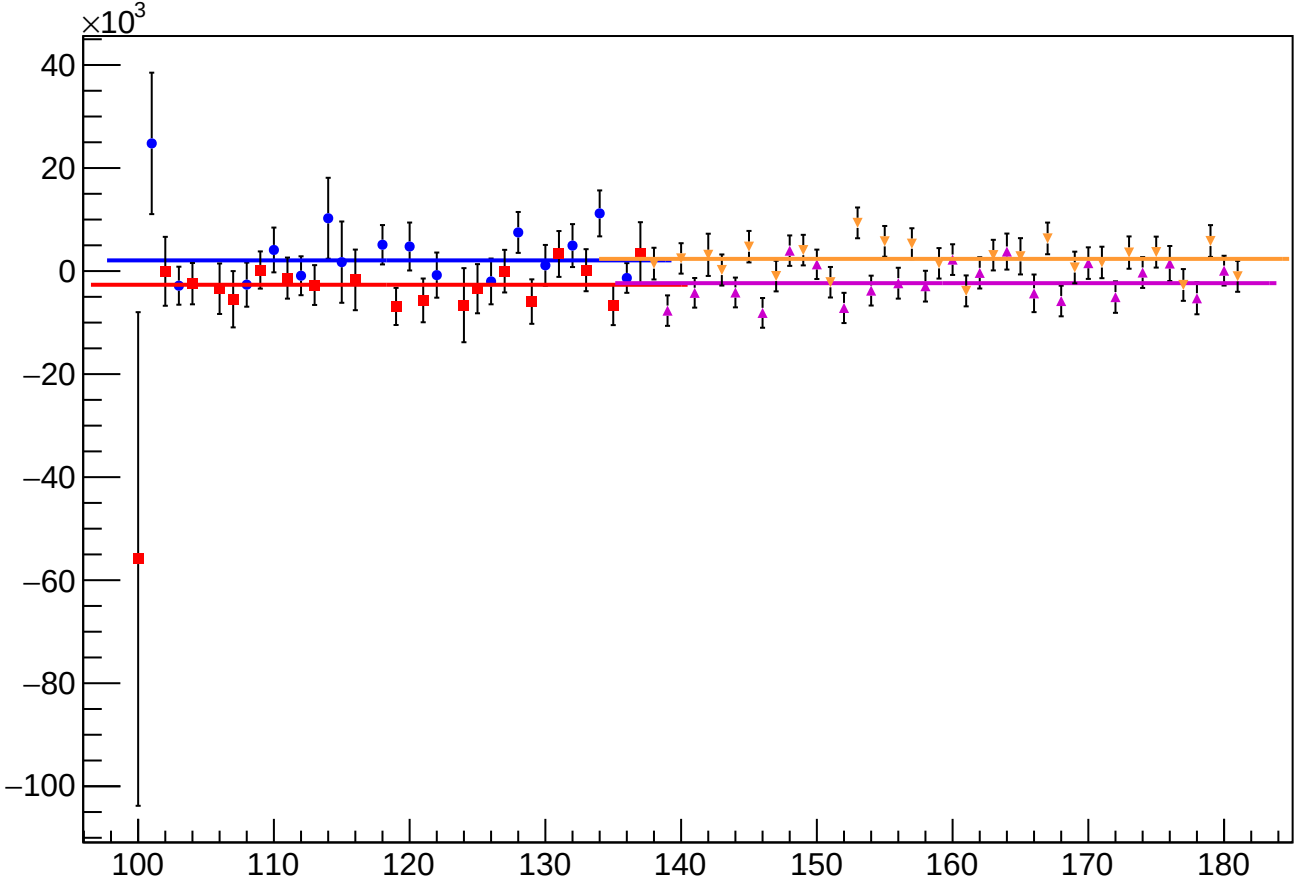
Left In: 777.576+/-0.135 χ^2/NDF:1040078.0/20

+ sign 710.569+/-0.104 χ^2/NDF: 3618788.8/38

All: 694.444+/-0.072 χ^2/NDF: 7019308.6/78

- sign 679.107+/-0.101 χ^2/NDF: 3353350.1/39

dit_asym_atr1_mean vs Slug



Right In: 2074.766+/-1077.182 χ^2/NDF: 17.9/15

Left Out: 2367.665+/-639.619 χ^2/NDF:24.9/22

Right Out: -2657.301+/-1049.868 χ^2/NDF: 9.9/18

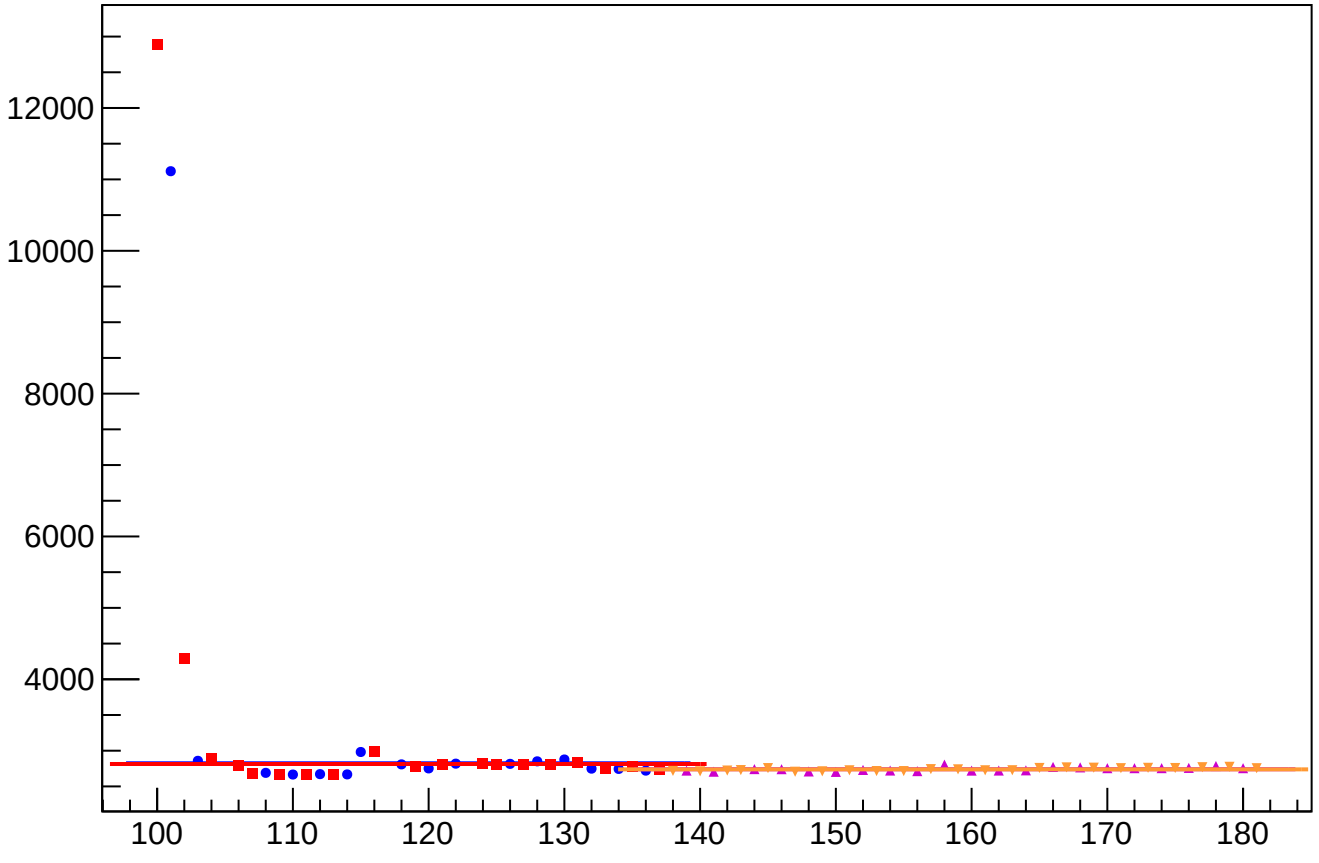
Left In: -2346.972+/-659.754 χ^2/NDF:30.5/20

+ sign 2291.314+/-549.970 χ^2/NDF: 42.9/38

All: -34.921+/-391.907 χ^2/NDF: 119.7/78

- sign -2434.828+/-558.611 χ^2/NDF: 40.5/39

dit_asym_atr1_rms vs Slug



Right In: 2823.448+/-0.762 χ^2/NDF: 743916.1/15

Left Out: 2738.590+/-0.452 χ^2/NDF:2273.0/22

Right Out: 2813.821+/-0.742 χ^2/NDF: 200511.9/18

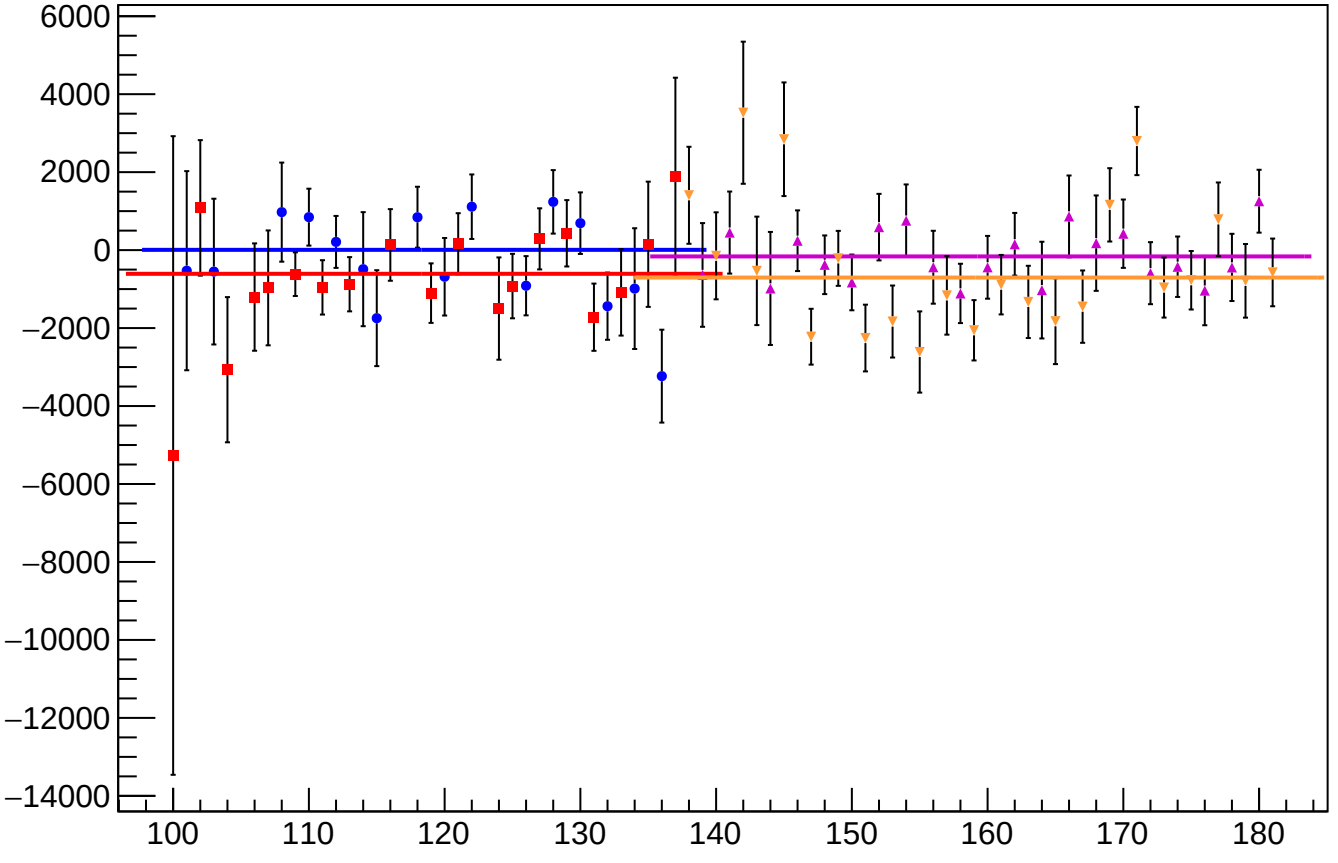
Left In: 2740.478+/-0.467 χ^2/NDF:3304.3/20

+ sign 2760.710+/-0.389 χ^2/NDF: 755365.6/38

All: 2760.972+/-0.277 χ^2/NDF: 966180.2/78

- sign 2761.242+/-0.395 χ^2/NDF: 210813.7/39

asym_atr1_dit_correction_mean vs Slug



Right In: 7.048+/-237.455 χ^2/NDF: 22.8/15

Left Out: -704.157+/-191.922 χ^2/NDF:55.6/22

Right Out: -607.647+/-217.093 χ^2/NDF: 12.2/18

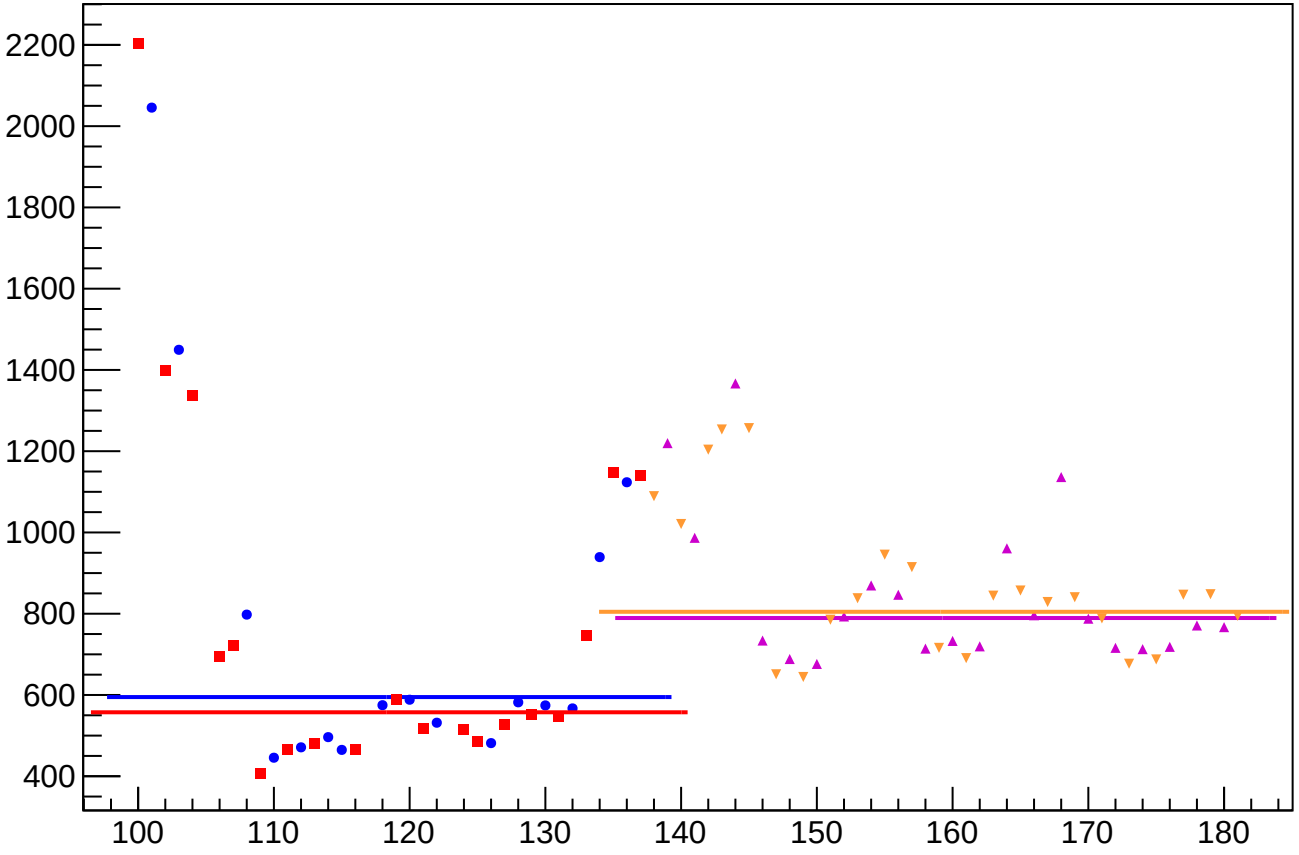
Left In: -162.065+/-193.412 χ^2/NDF:12.2/20

+ sign -423.135+/-149.264 χ^2/NDF: 83.8/38

All: -390.130+/-103.788 χ^2/NDF: 110.7/78

- sign -359.237+/-144.413 χ^2/NDF: 26.7/39

asym_atr1_dit_correction_rms vs Slug



Right In: 594.858+/-0.168 χ^2/NDF: 1852655.3/15

Left Out: 804.739+/-0.136 χ^2/NDF:1132111.8/22

Right Out: 557.397+/-0.154 χ^2/NDF: 1631309.6/18

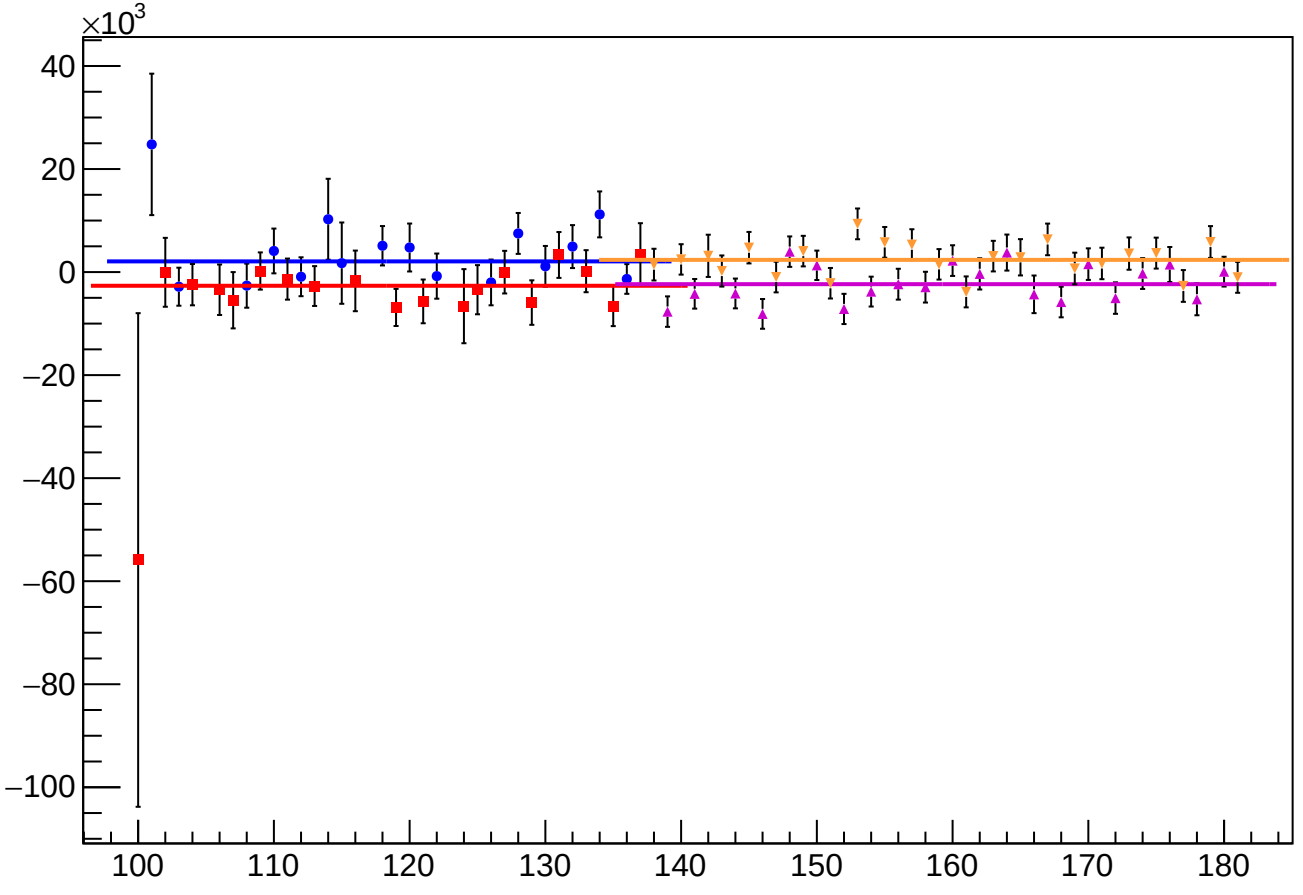
Left In: 789.399+/-0.137 χ^2/NDF:1010783.8/20

+ sign 721.808+/-0.106 χ^2/NDF: 3929857.0/38

All: 703.693+/-0.073 χ^2/NDF: 7902365.8/78

- sign 686.737+/-0.102 χ^2/NDF: 3915481.3/39

eigen_dit_asym_atr1_mean vs Slug



Right In: 2074.766+/-1077.182 χ^2/NDF: 17.9/15

Left Out: 2367.666+/-639.619 χ^2/NDF:24.9/22

Right Out: -2657.300+/-1049.868 χ^2/NDF: 9.9/18

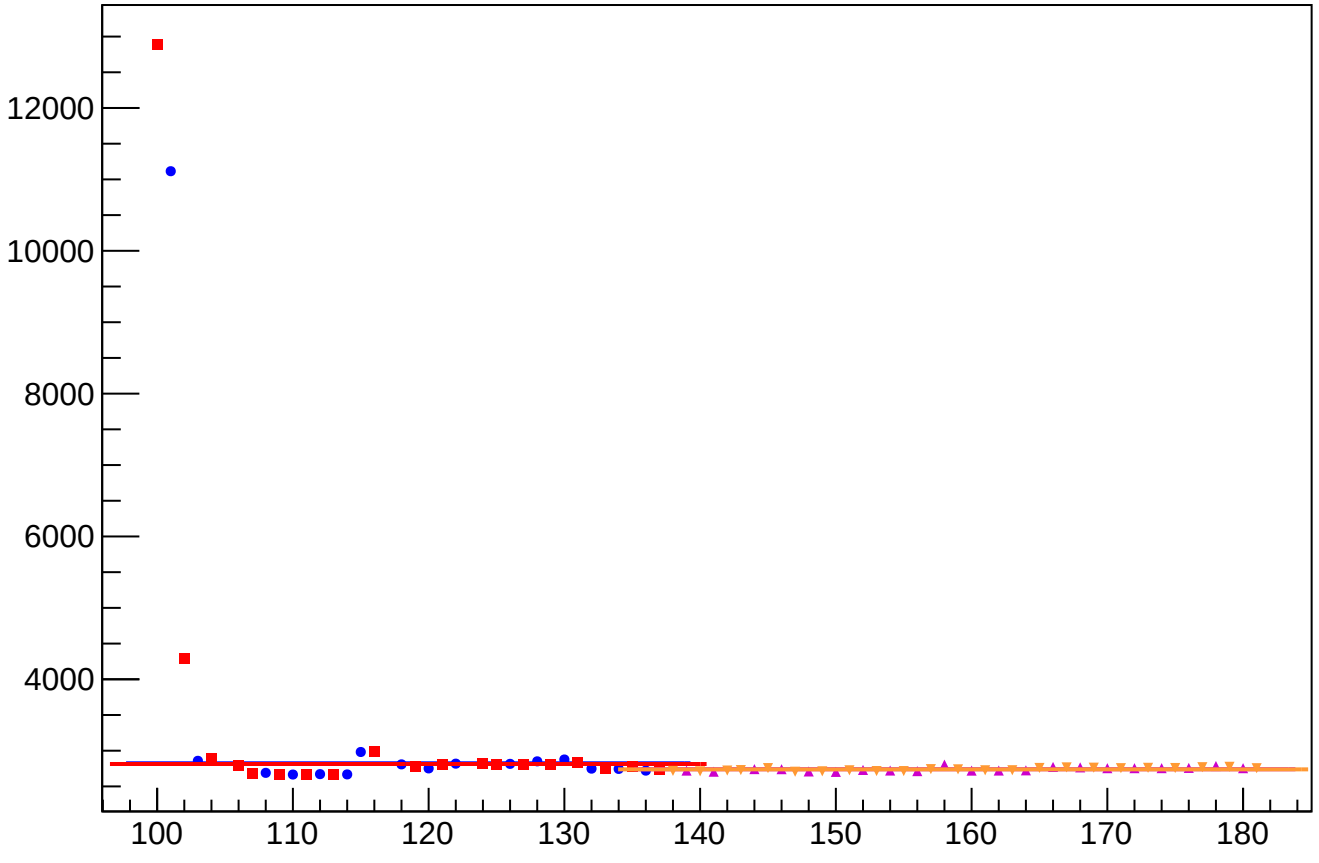
Left In: -2346.972+/-659.754 χ^2/NDF:30.5/20

+ sign 2291.314+/-549.970 χ^2/NDF: 42.9/38

All: -34.921+/-391.907 χ^2/NDF: 119.7/78

- sign -2434.828+/-558.611 χ^2/NDF: 40.5/39

eigen_dit_asym_atr1_rms vs Slug



Right In: 2823.448+/-0.762 χ^2/NDF: 743916.1/15

Left Out: 2738.590+/-0.452 χ^2/NDF:2273.0/22

Right Out: 2813.821+/-0.742 χ^2/NDF: 200511.7/18

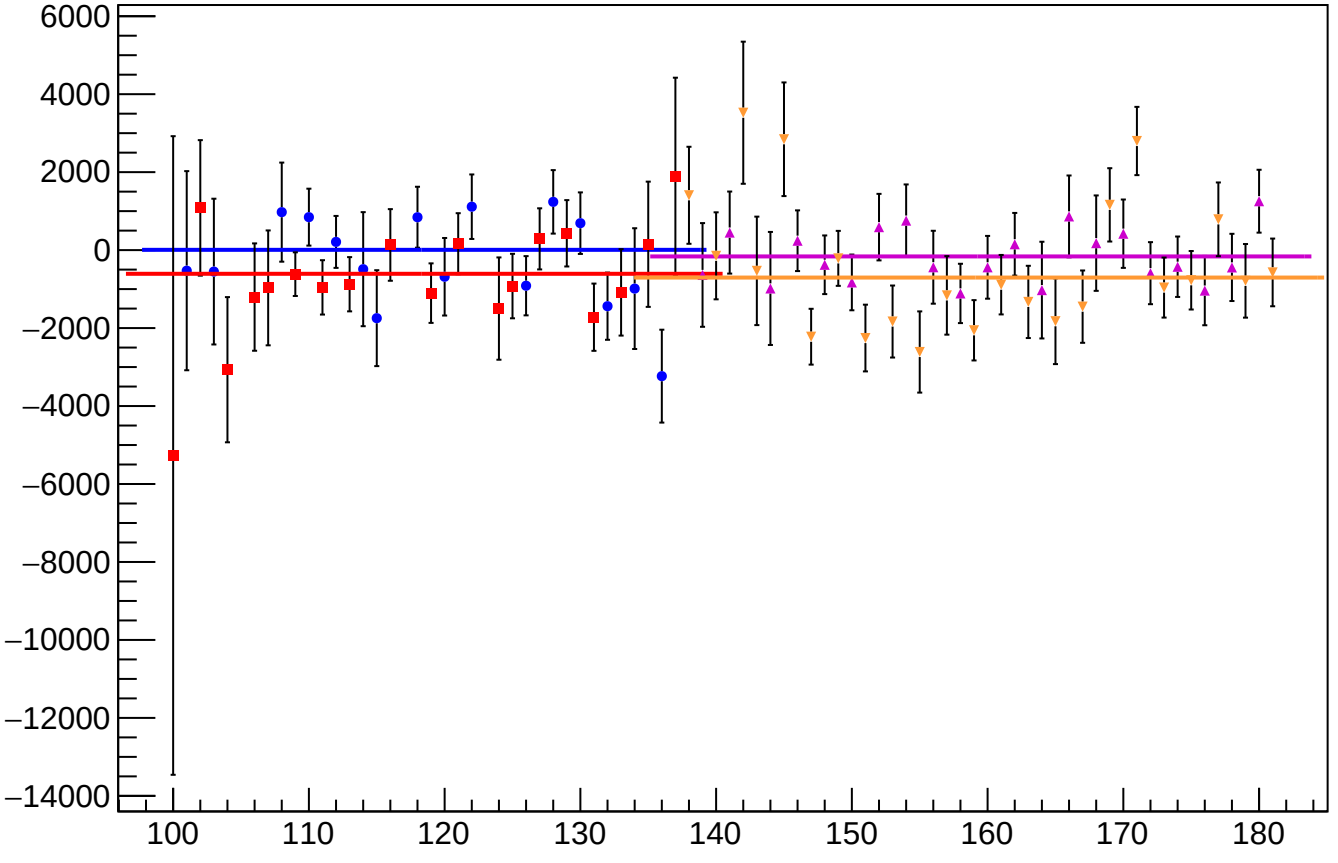
Left In: 2740.478+/-0.467 χ^2/NDF:3304.3/20

+ sign 2760.710+/-0.389 χ^2/NDF: 755365.6/38

All: 2760.972+/-0.277 χ^2/NDF: 966180.0/78

- sign 2761.242+/-0.395 χ^2/NDF: 210813.5/39

asym_atr1_eigen_dit_correction_mean vs Slug



Right In: 7.049+/-237.455 χ^2/NDF: 22.8/15

Left Out: -704.157+/-191.922 χ^2/NDF:55.6/22

Right Out: -607.647+/-217.094 χ^2/NDF: 12.2/18

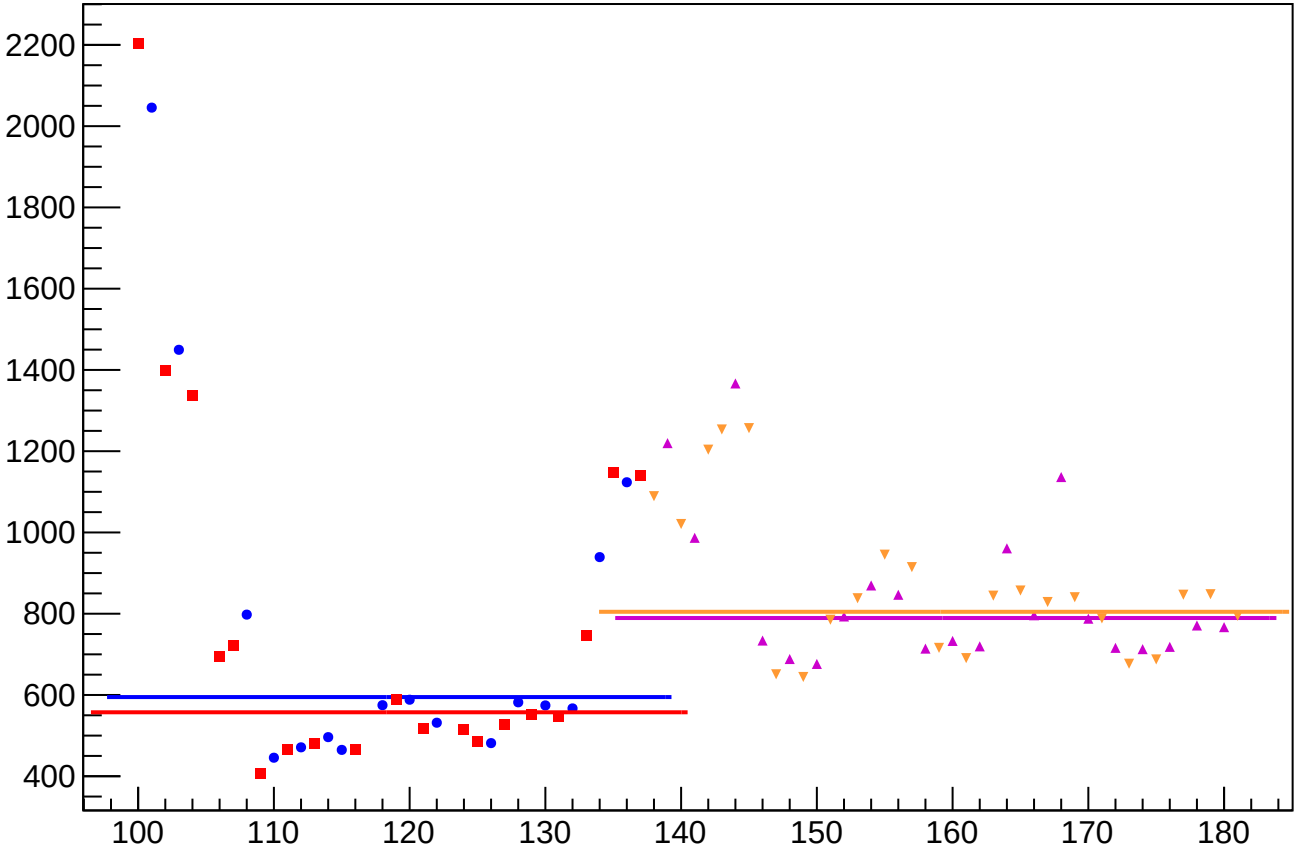
Left In: -162.065+/-193.412 χ^2/NDF:12.2/20

+ sign -423.135+/-149.264 χ^2/NDF: 83.8/38

All: -390.131+/-103.788 χ^2/NDF: 110.7/78

- sign -359.237+/-144.413 χ^2/NDF: 26.7/39

asym_atr1_eigen_dit_correction_rms vs Slug



Right In: 594.858+/-0.168 χ^2/NDF: 1852649.9/15

Left Out: 804.739+/-0.136 χ^2/NDF:1132114.0/22

Right Out: 557.397+/-0.154 χ^2/NDF: 1631307.0/18

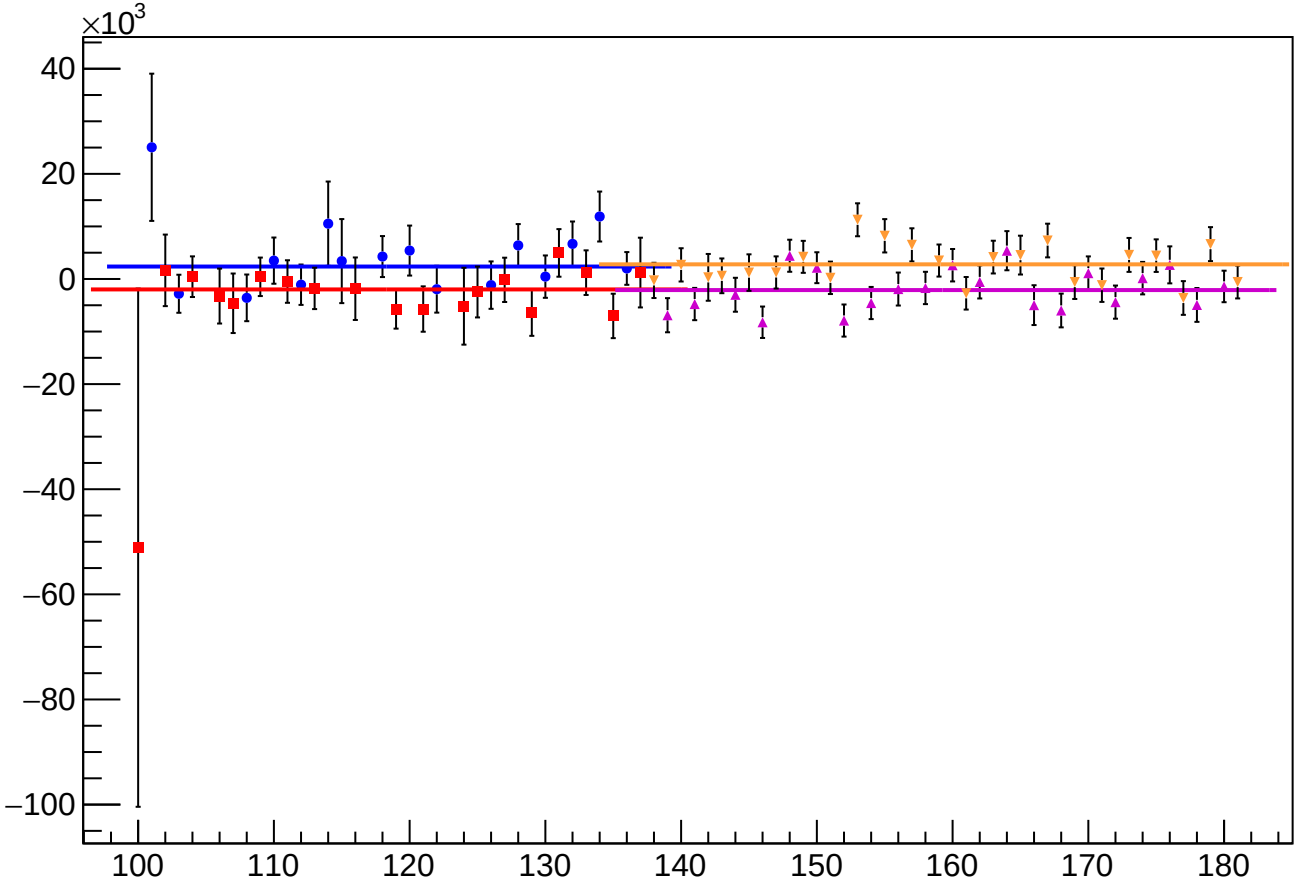
Left In: 789.398+/-0.137 χ^2/NDF:1010788.0/20

+ sign 721.808+/-0.106 χ^2/NDF: 3929849.8/38

All: 703.693+/-0.073 χ^2/NDF: 7902356.8/78

- sign 686.737+/-0.102 χ^2/NDF: 3915478.5/39

asym_atr1_mean vs Slug



Right In: 2367.173+/-1106.203 χ^2/NDF: 16.8/15

Left Out: 2785.640+/-672.286 χ^2/NDF:30.0/22

Right Out: -1987.039+/-1075.310 χ^2/NDF: 10.3/18

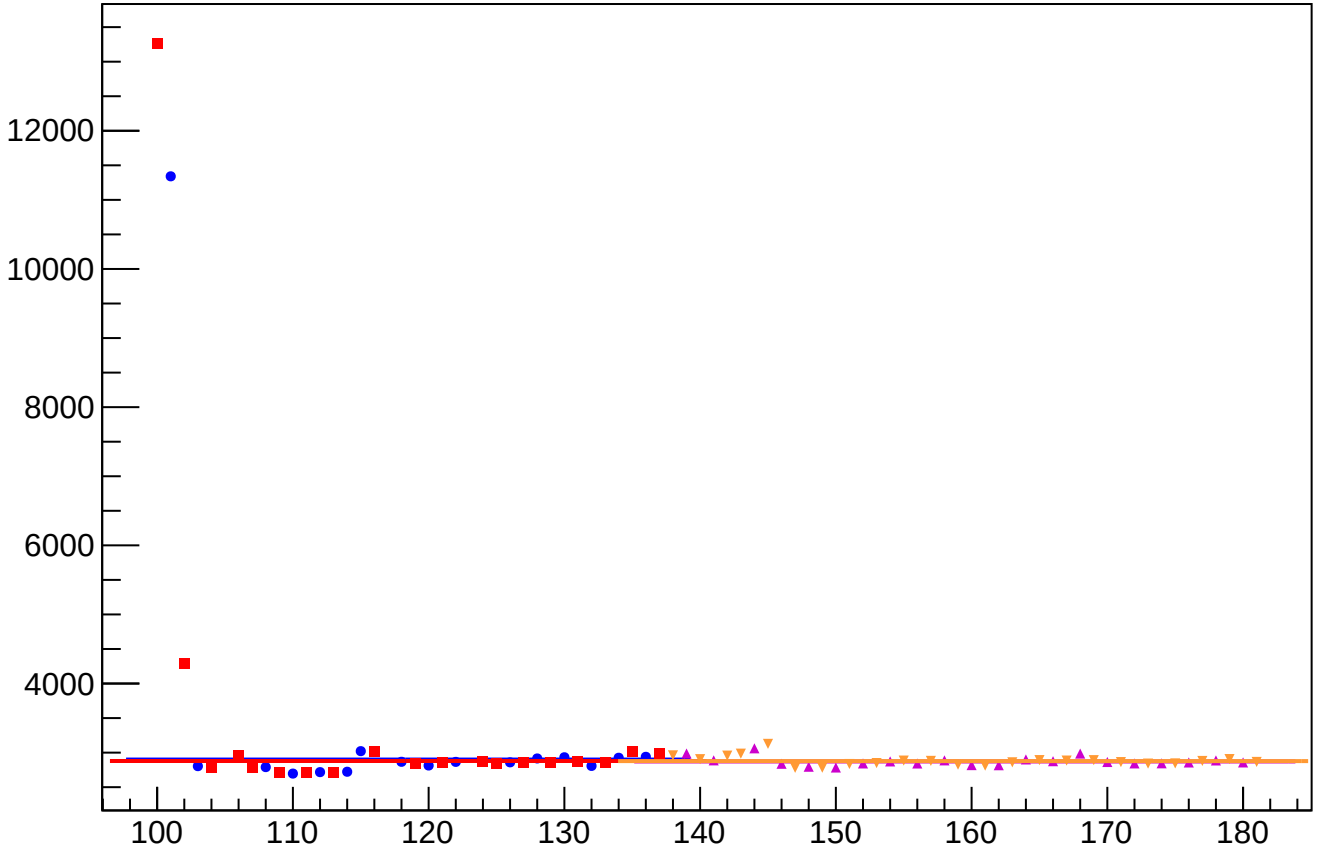
Left In: -2110.100+/-691.593 χ^2/NDF:31.6/20

+ sign 2672.769+/-574.509 χ^2/NDF: 47.0/38

All: 328.755+/-408.749 χ^2/NDF: 122.6/78

- sign -2074.091+/-581.674 χ^2/NDF: 41.9/39

asym_atr1_rms vs Slug



Right In: 2899.827+/-0.782 χ^2/NDF: 741818.2/15

Left Out: 2877.348+/-0.475 χ^2/NDF:21325.1/22

Right Out: 2878.957+/-0.760 χ^2/NDF: 193282.4/18

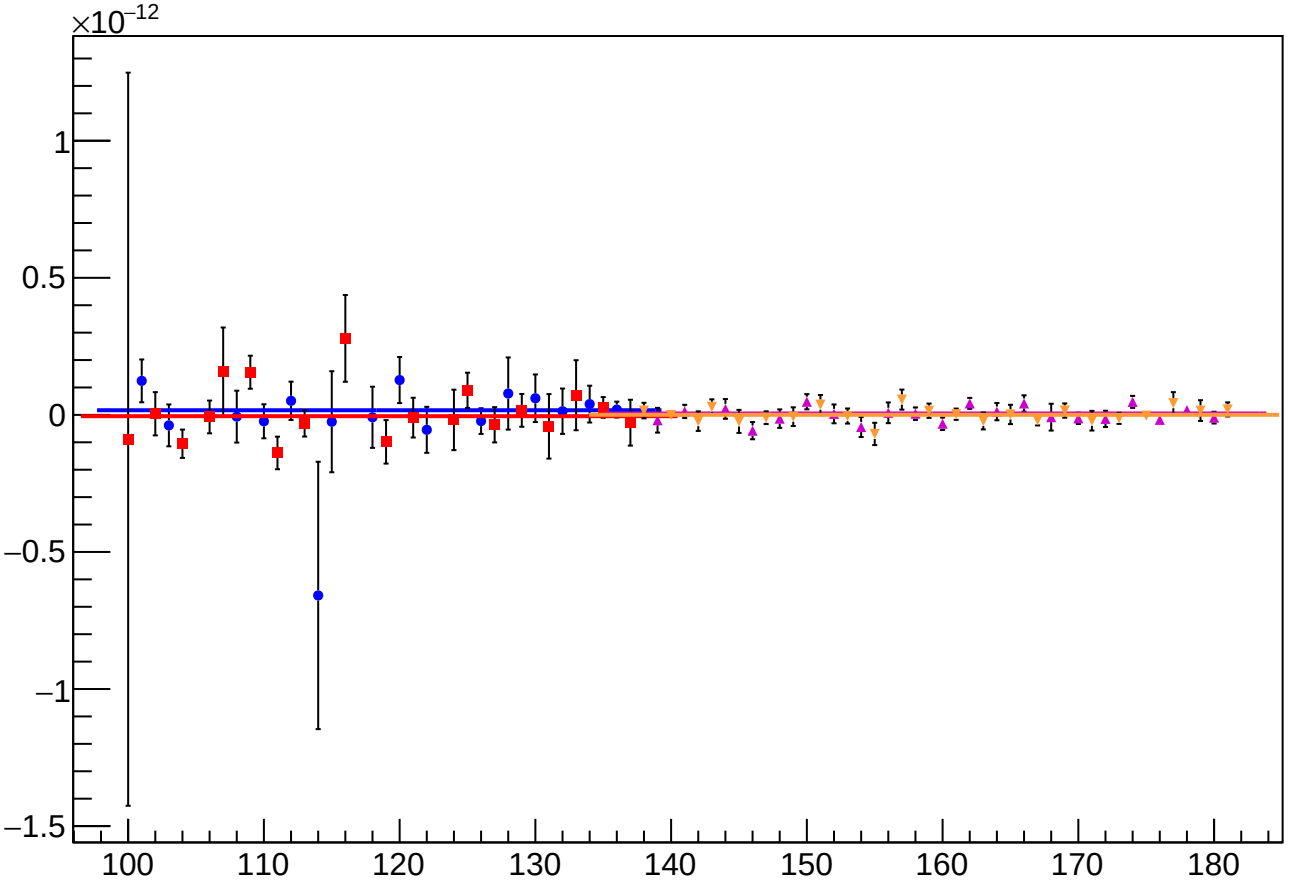
Left In: 2871.929+/-0.489 χ^2/NDF:17456.2/20

+ sign 2883.411+/-0.406 χ^2/NDF: 763746.4/38

All: 2878.757+/-0.289 χ^2/NDF: 974811.2/78

- sign 2873.985+/-0.411 χ^2/NDF: 210799.1/39

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:13.7/22

Right Out: -0.000+/-0.000 χ^2/NDF: 25.7/18

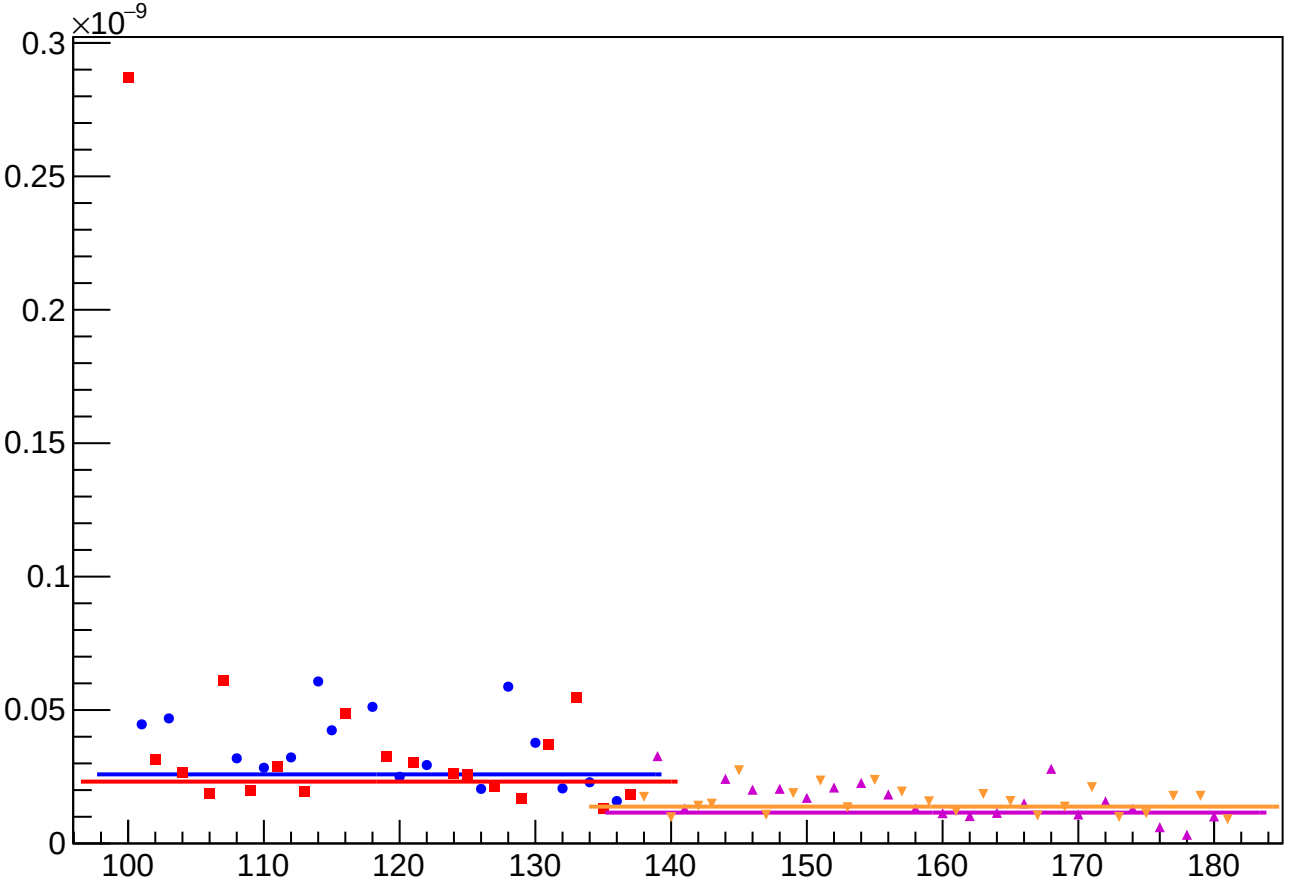
Left In: 0.000+/-0.000 χ^2/NDF:25.4/20

+ sign 0.000+/-0.000 χ^2/NDF: 23.5/38

All: 0.000+/-0.000 χ^2/NDF: 75.0/78

- sign 0.000+/-0.000 χ^2/NDF: 51.4/39

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:1194489.7/22

Right Out: 0.000+/-0.000 χ^2/NDF: 688853.9/18

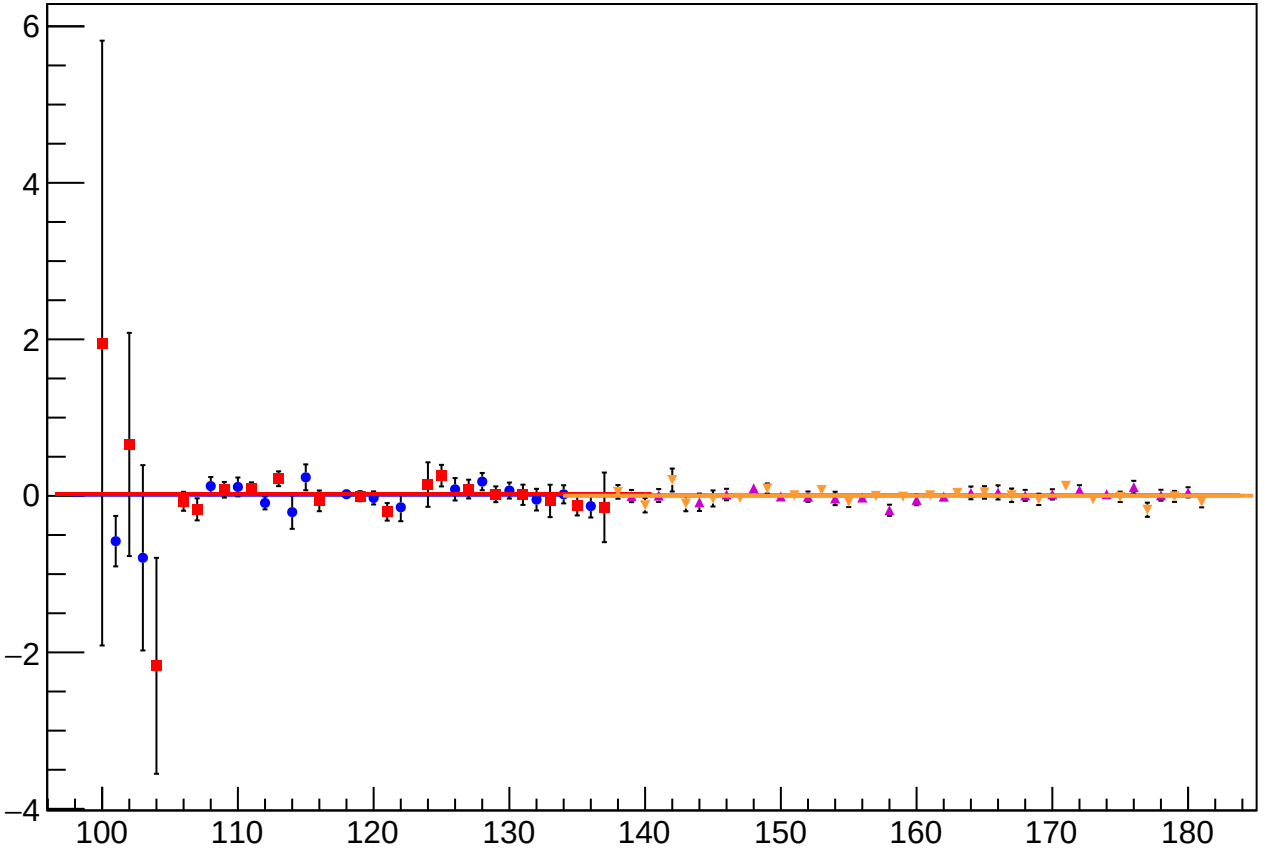
Left In: 0.000+/-0.000 χ^2/NDF:3015460.1/20

+ sign 0.000+/-0.000 χ^2/NDF: 2985186.1/38

All: 0.000+/-0.000 χ^2/NDF: 7866685.9/78

- sign 0.000+/-0.000 χ^2/NDF: 4689729.6/39

asym_atr1_dit_vs_cor_diff_mean vs Slug



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: 0.001+/-0.014 χ^2/NDF:21.6/22

Right Out: 0.024+/-0.028 χ^2/NDF: 20.8/18

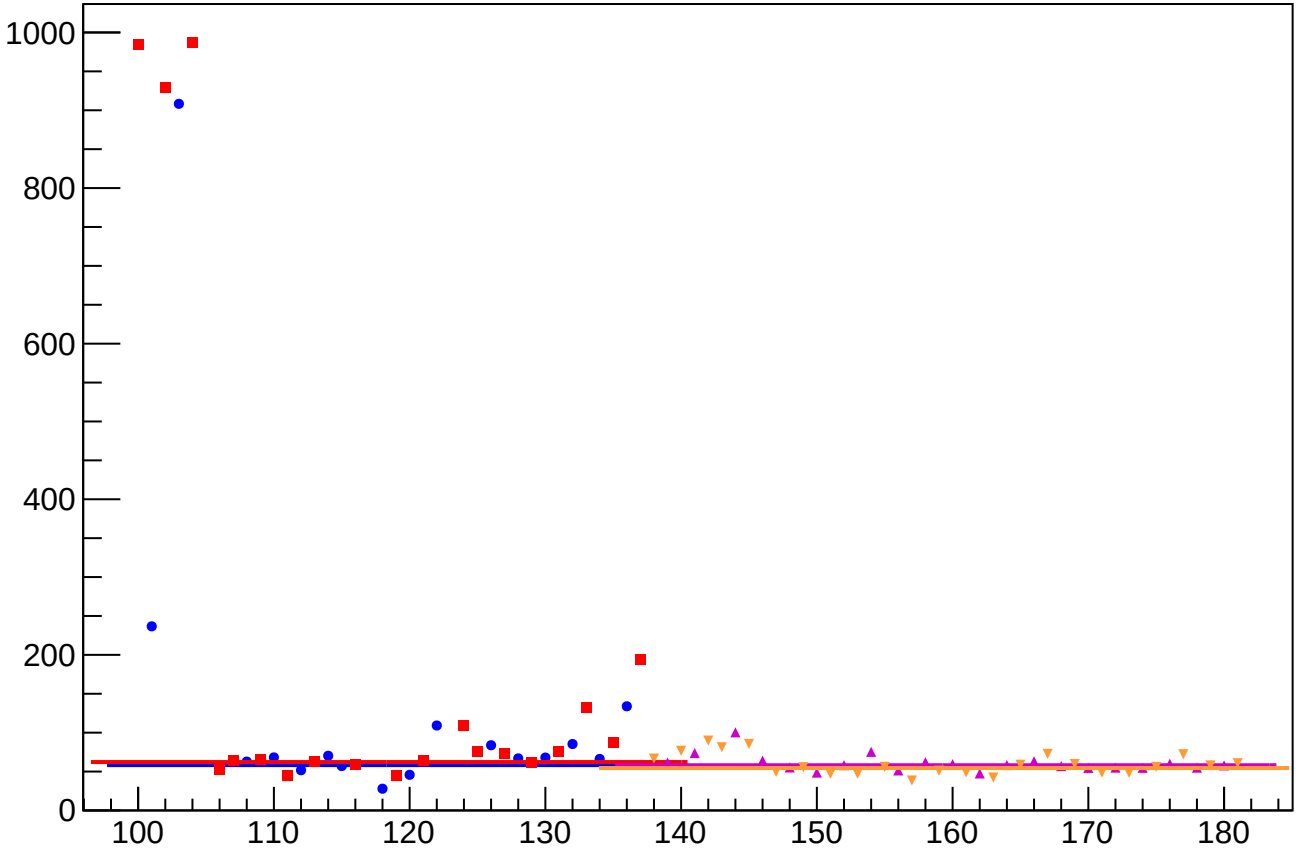
Left In: 0.006+/-0.015 χ^2/NDF:14.7/20

\+ sign 0.004+/-0.013 χ^2/NDF: 36.8/38

All: 0.007+/-0.009 χ^2/NDF: 72.7/78

\- sign 0.010+/-0.013 χ^2/NDF: 35.8/39

asym_atr1_dit_vs_cor_diff_rms vs Slug



Right In: 58.313+/-0.020 χ^2/NDF: 3260404.3/15

Left Out: 54.520+/-0.010 χ^2/NDF:1196935.6/22

Right Out: 62.235+/-0.020 χ^2/NDF: 2627030.1/18

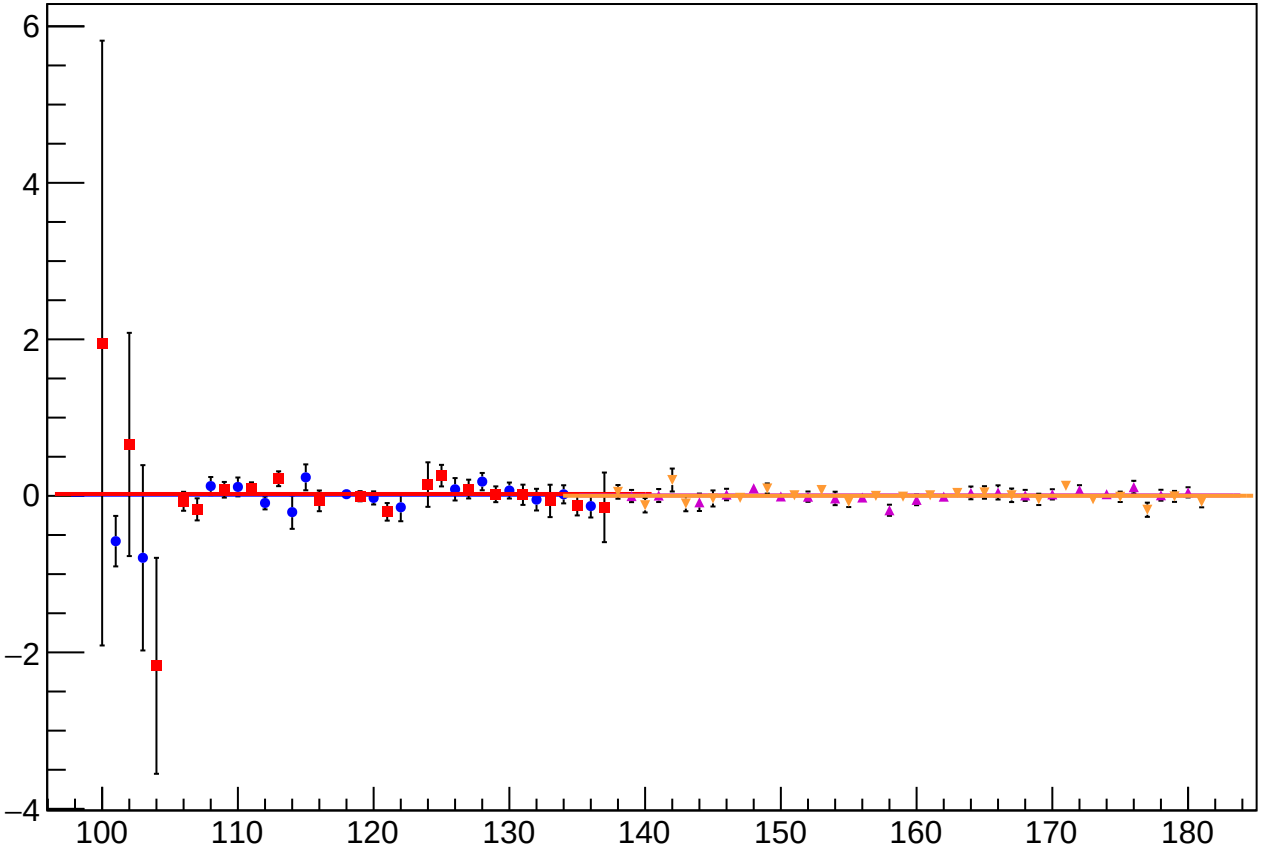
Left In: 58.117+/-0.011 χ^2/NDF:641919.2/20

+ sign 55.321+/-0.009 χ^2/NDF: 4486638.0/38

All: 57.100+/-0.007 χ^2/NDF: 7870225.0/78

- sign 59.064+/-0.010 χ^2/NDF: 3302196.2/39

asym_atr1_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: 0.001+/-0.014 χ^2/NDF:21.6/22

Right Out: 0.024+/-0.028 χ^2/NDF: 20.8/18

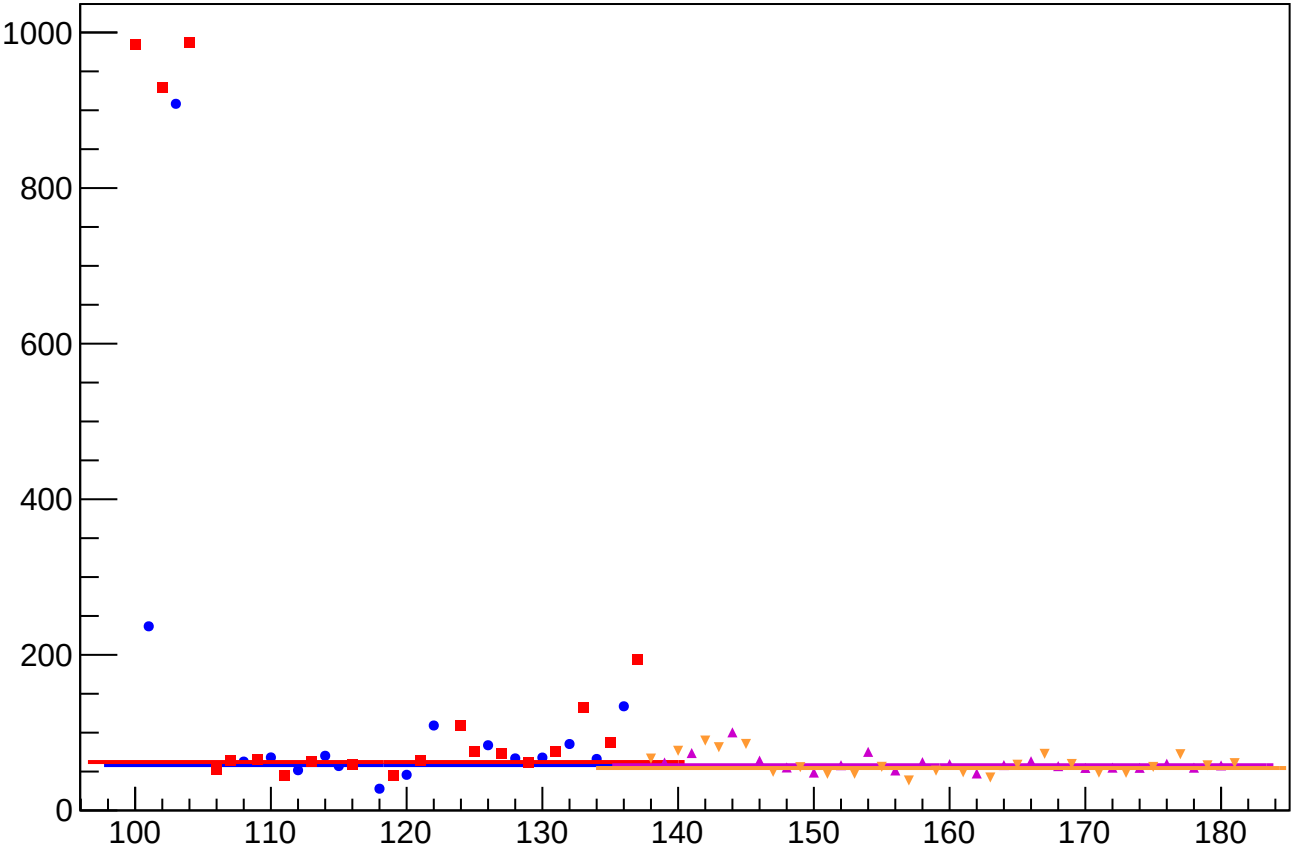
Left In: 0.006+/-0.015 χ^2/NDF:14.7/20

\+ sign 0.004+/-0.013 χ^2/NDF: 36.8/38

All: 0.007+/-0.009 χ^2/NDF: 72.7/78

\- sign 0.010+/-0.013 χ^2/NDF: 35.8/39

asym_atr1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 58.313+/-0.020 χ^2/NDF: 3260404.3/15

Left Out: 54.520+/-0.010 χ^2/NDF:1196935.6/22

Right Out: 62.235+/-0.020 χ^2/NDF: 2627030.1/18

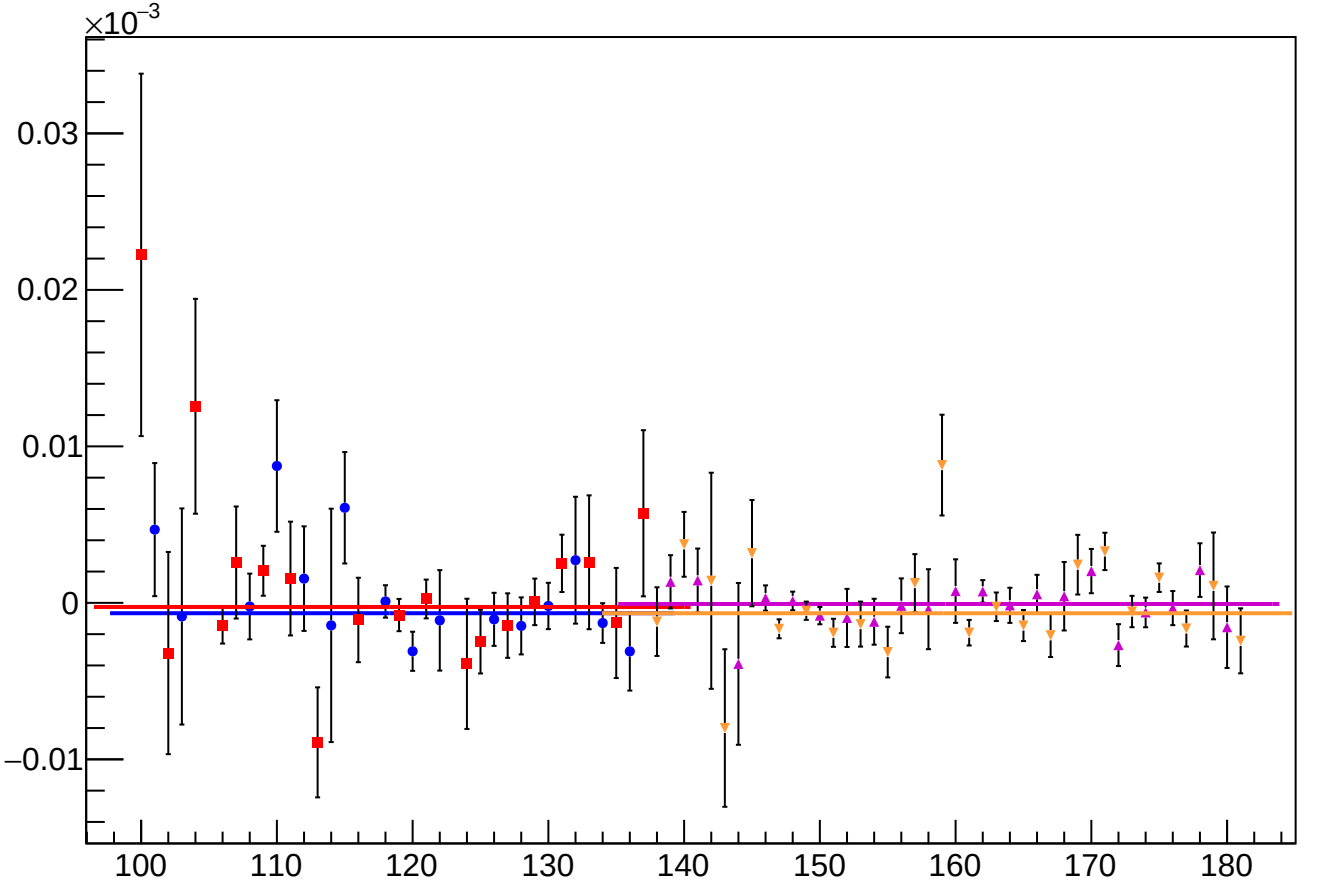
Left In: 58.117+/-0.011 χ^2/NDF:641919.2/20

+ sign 55.321+/-0.009 χ^2/NDF: 4486638.0/38

All: 57.100+/-0.007 χ^2/NDF: 7870225.0/78

- sign 59.064+/-0.010 χ^2/NDF: 3302196.2/39

asym_atr1_eigen_dit_vs_dit_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:50.8/22

Right Out: -0.000+/-0.000 χ^2/NDF: 24.6/18

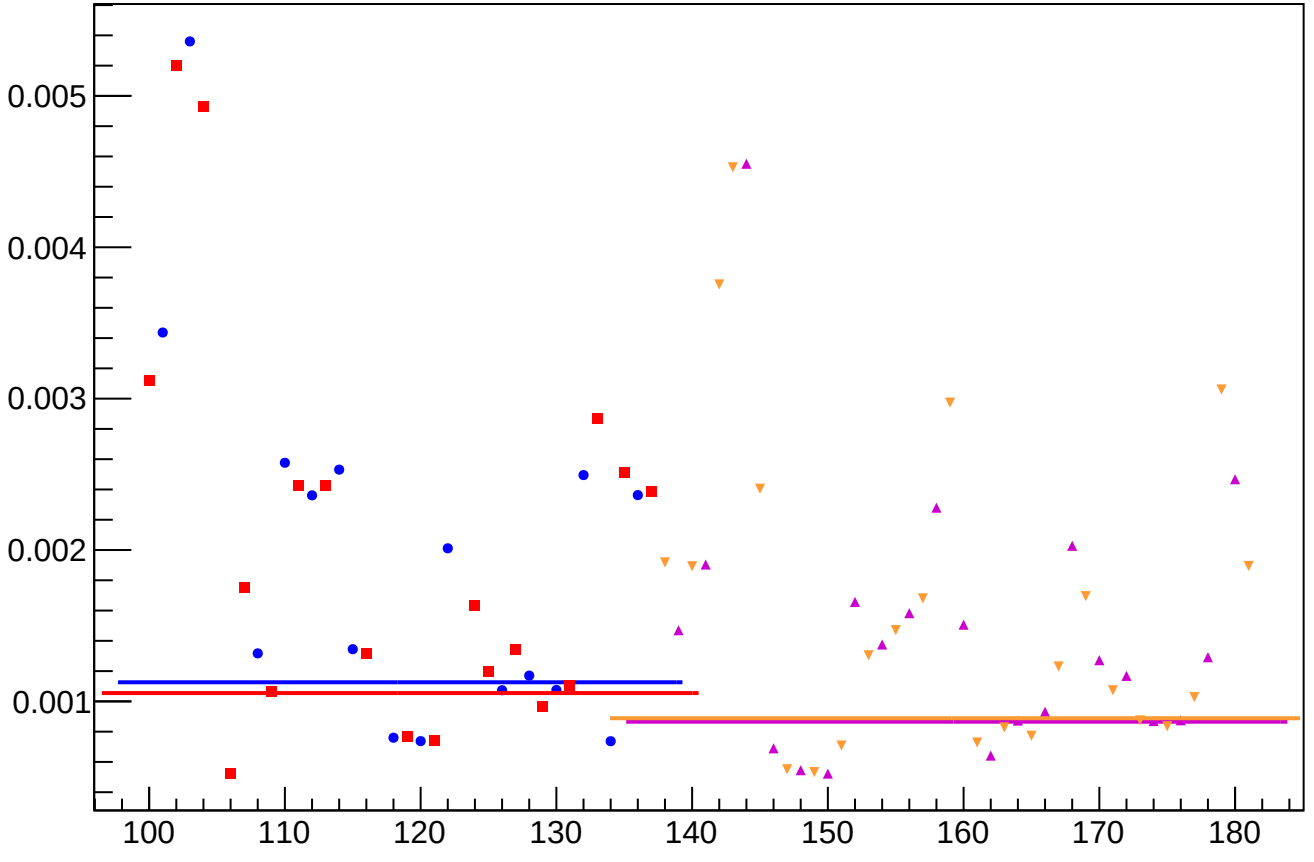
Left In: -0.000+/-0.000 χ^2/NDF:14.9/20

+ sign -0.000+/-0.000 χ^2/NDF: 68.0/38

All: -0.000+/-0.000 χ^2/NDF: 110.8/78

- sign -0.000+/-0.000 χ^2/NDF: 39.6/39

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:7727659.0/22

Right Out: 0.001+/-0.000 χ^2/NDF: 3848500.2/18

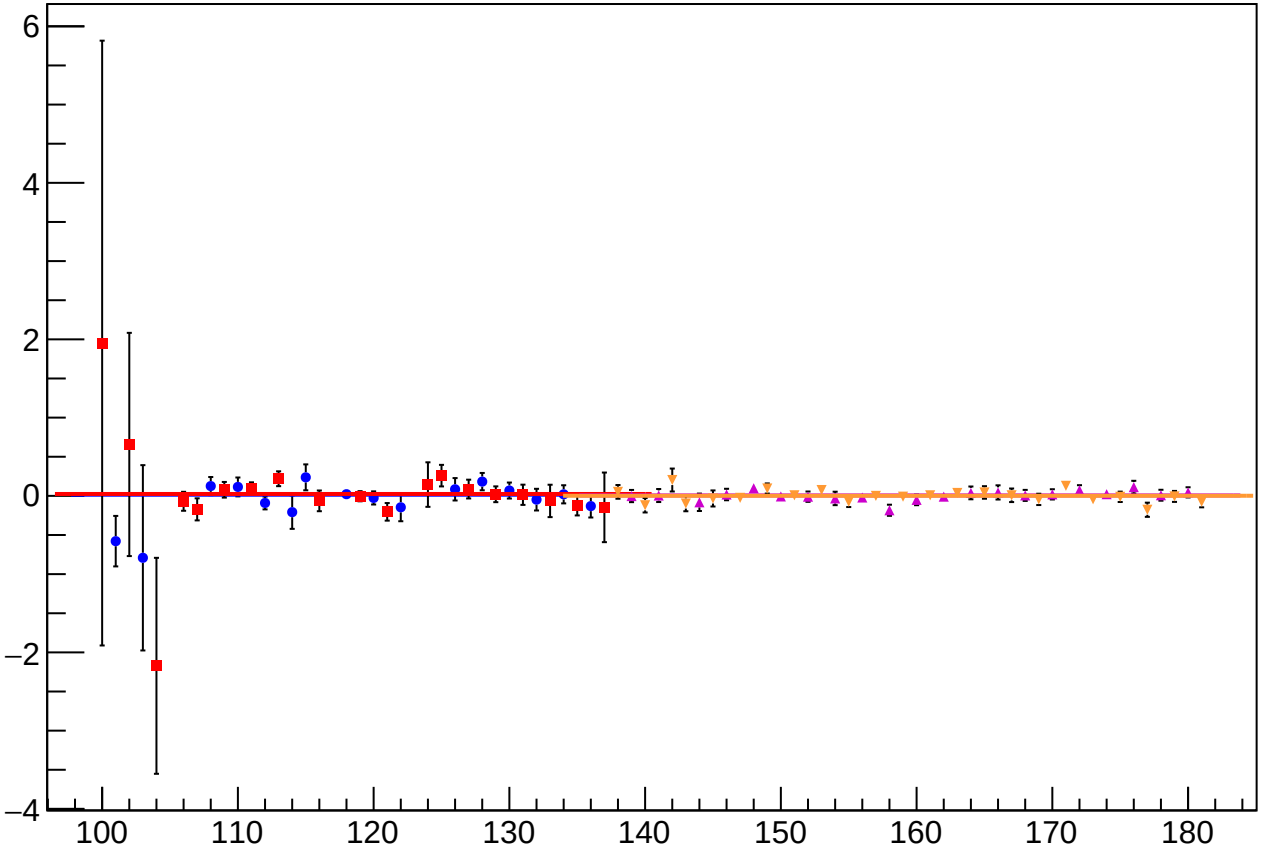
Left In: 0.001+/-0.000 χ^2/NDF:6898849.9/20

+ sign 0.001+/-0.000 χ^2/NDF: 11559237.8/38

All: 0.001+/-0.000 χ^2/NDF: 22583932.5/78

- sign 0.001+/-0.000 χ^2/NDF: 11007486.9/39

asym_atr1_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: 0.001+/-0.014 χ^2/NDF:21.6/22

Right Out: 0.024+/-0.028 χ^2/NDF: 20.8/18

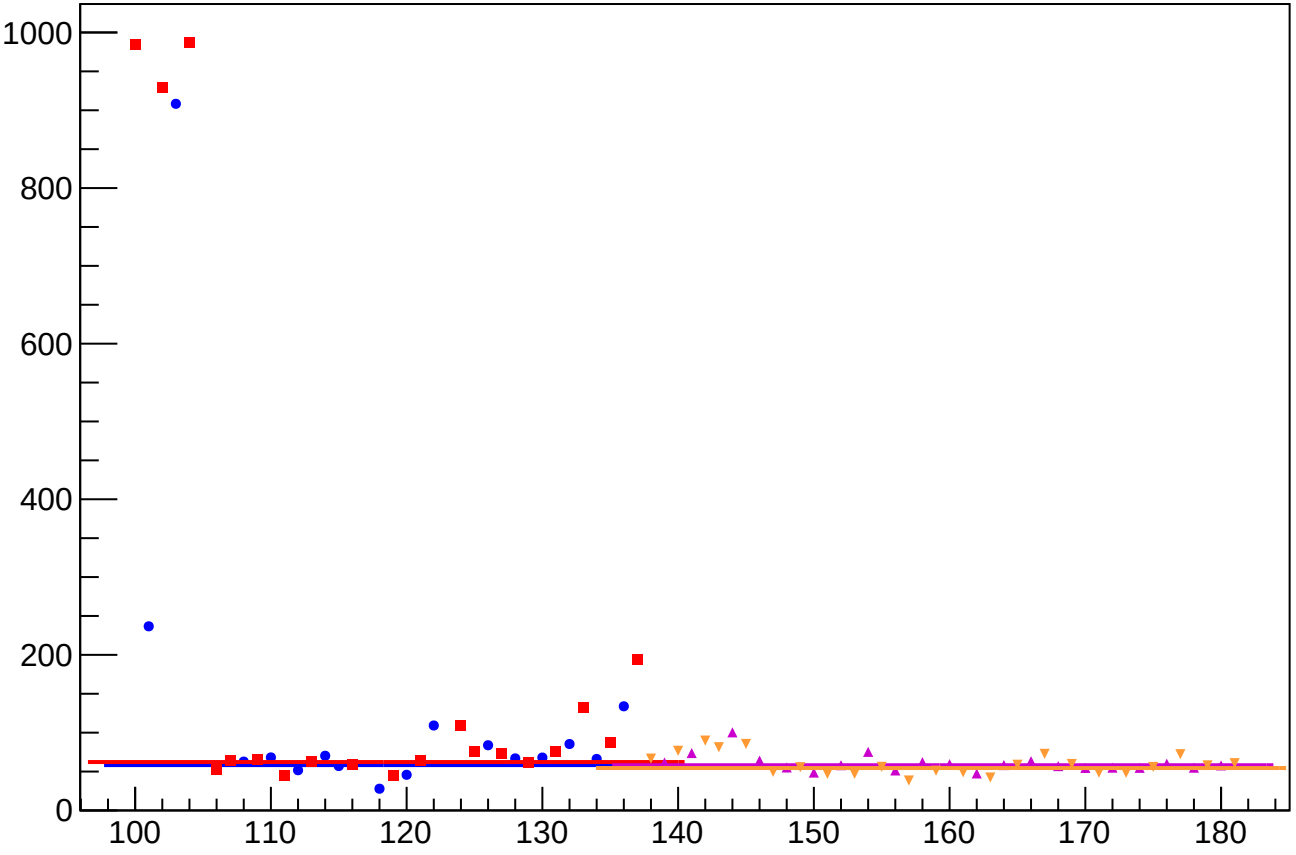
Left In: 0.006+/-0.015 χ^2/NDF:14.7/20

\+ sign 0.004+/-0.013 χ^2/NDF: 36.8/38

All: 0.007+/-0.009 χ^2/NDF: 72.7/78

\- sign 0.010+/-0.013 χ^2/NDF: 35.8/39

asym_atr1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 58.312+/-0.020 χ^2/NDF: 3260484.2/15

Left Out: 54.519+/-0.010 χ^2/NDF:1197008.2/22

Right Out: 62.235+/-0.020 χ^2/NDF: 2627022.3/18

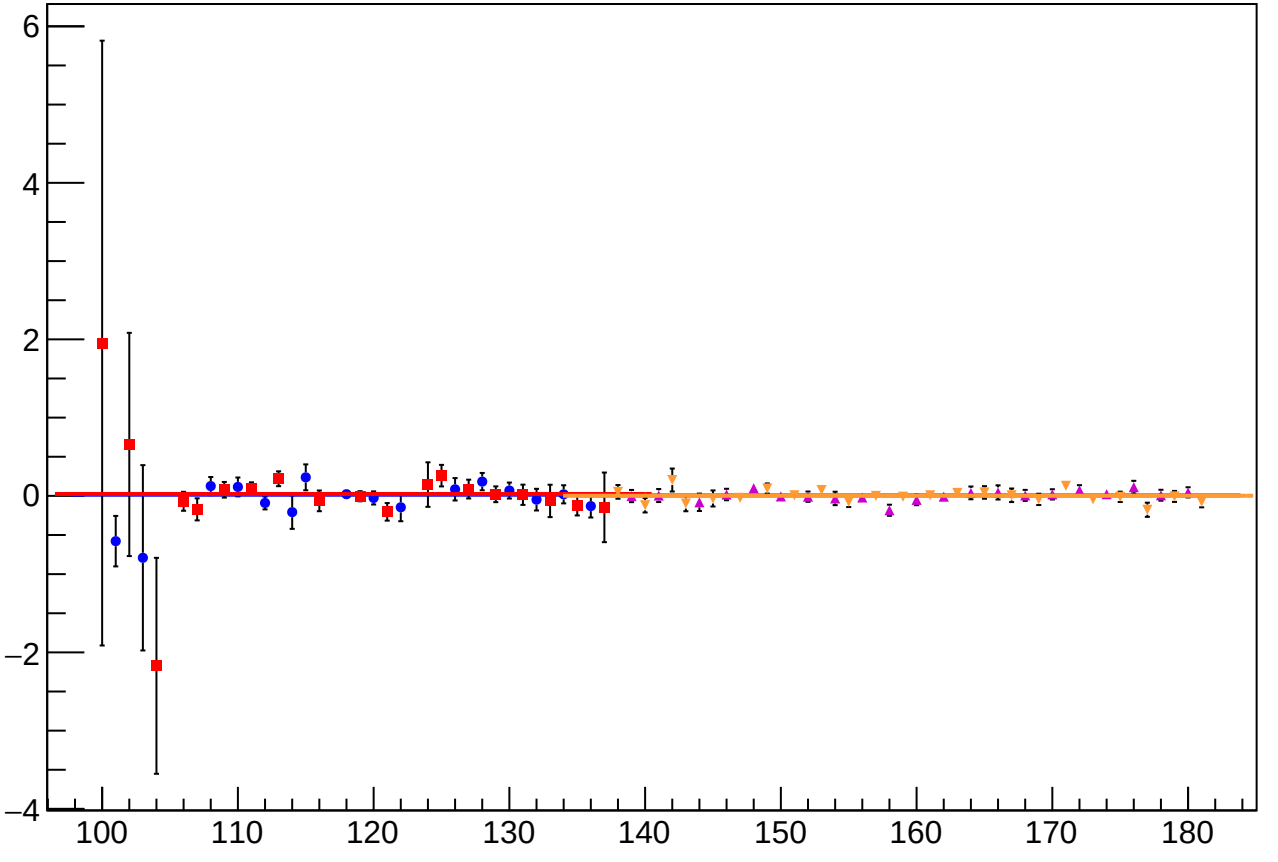
Left In: 58.117+/-0.011 χ^2/NDF:641942.6/20

+ sign 55.321+/-0.009 χ^2/NDF: 4486784.8/38

All: 57.100+/-0.007 χ^2/NDF: 7870407.1/78

- sign 59.064+/-0.010 χ^2/NDF: 3302208.6/39

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: 0.001+/-0.014 χ^2/NDF:21.6/22

Right Out: 0.024+/-0.028 χ^2/NDF: 20.8/18

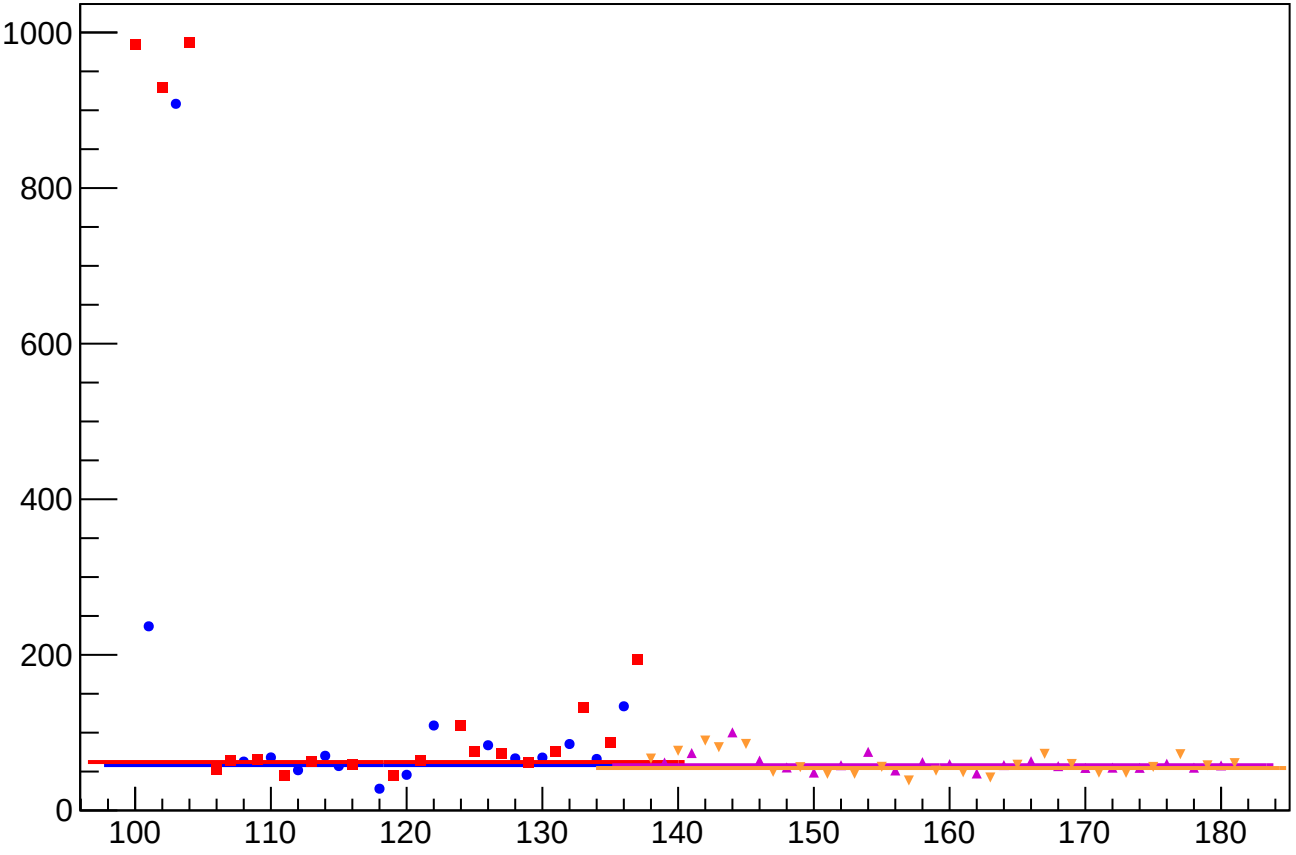
Left In: 0.006+/-0.015 χ^2/NDF:14.7/20

\+ sign 0.004+/-0.013 χ^2/NDF: 36.8/38

All: 0.007+/-0.009 χ^2/NDF: 72.7/78

\- sign 0.010+/-0.013 χ^2/NDF: 35.8/39

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: 54.519+/-0.010 χ^2/NDF:1197008.2/22

Right Out: 62.235+/-0.020 χ^2/NDF: 2627022.3/18

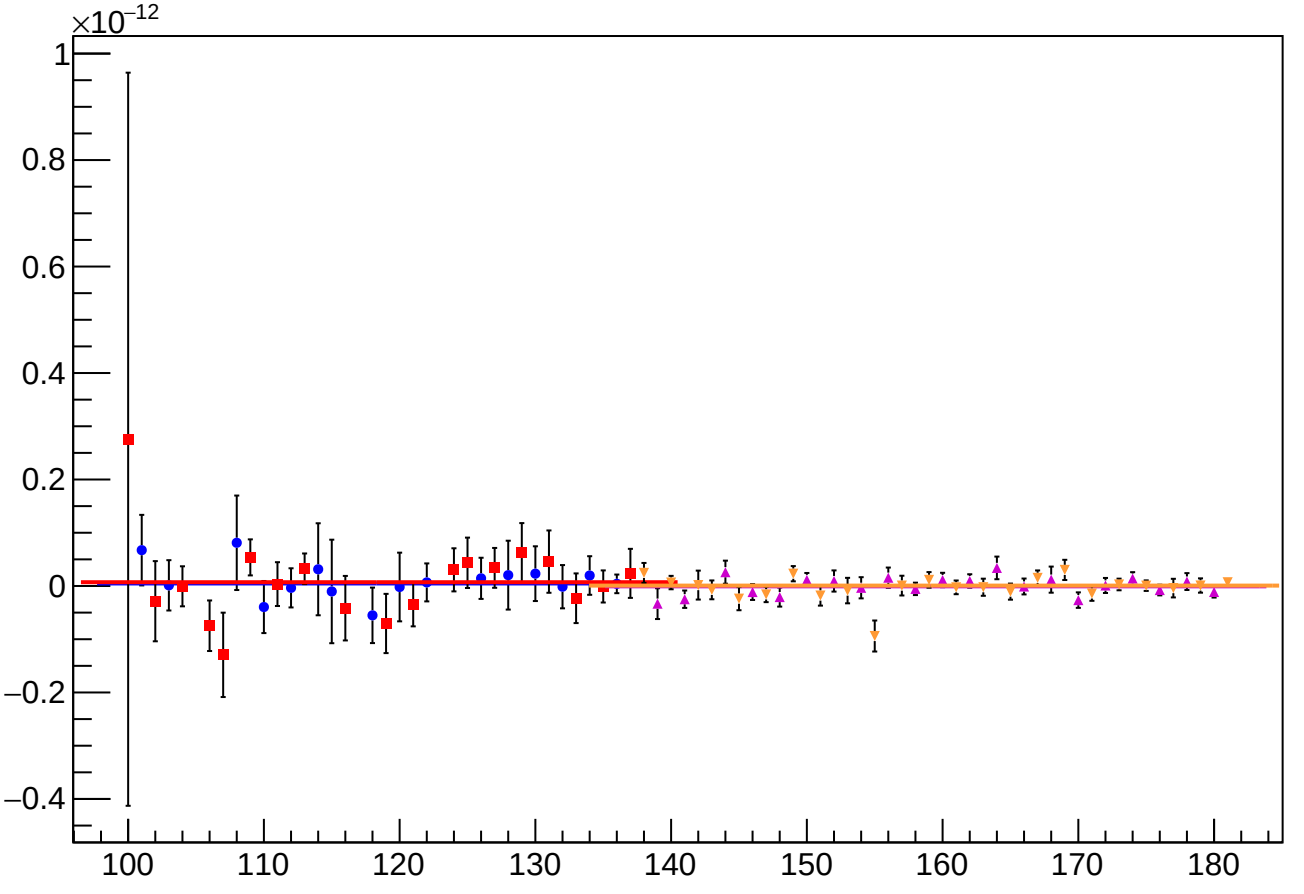
Left In: 58.117+/-0.011 χ^2/NDF:641942.6/20

+ sign 55.321+/-0.009 χ^2/NDF: 4486784.8/38

All: 57.100+/-0.007 χ^2/NDF: 7870407.1/78

- sign 59.064+/-0.010 χ^2/NDF: 3302208.6/39

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:25.1/22

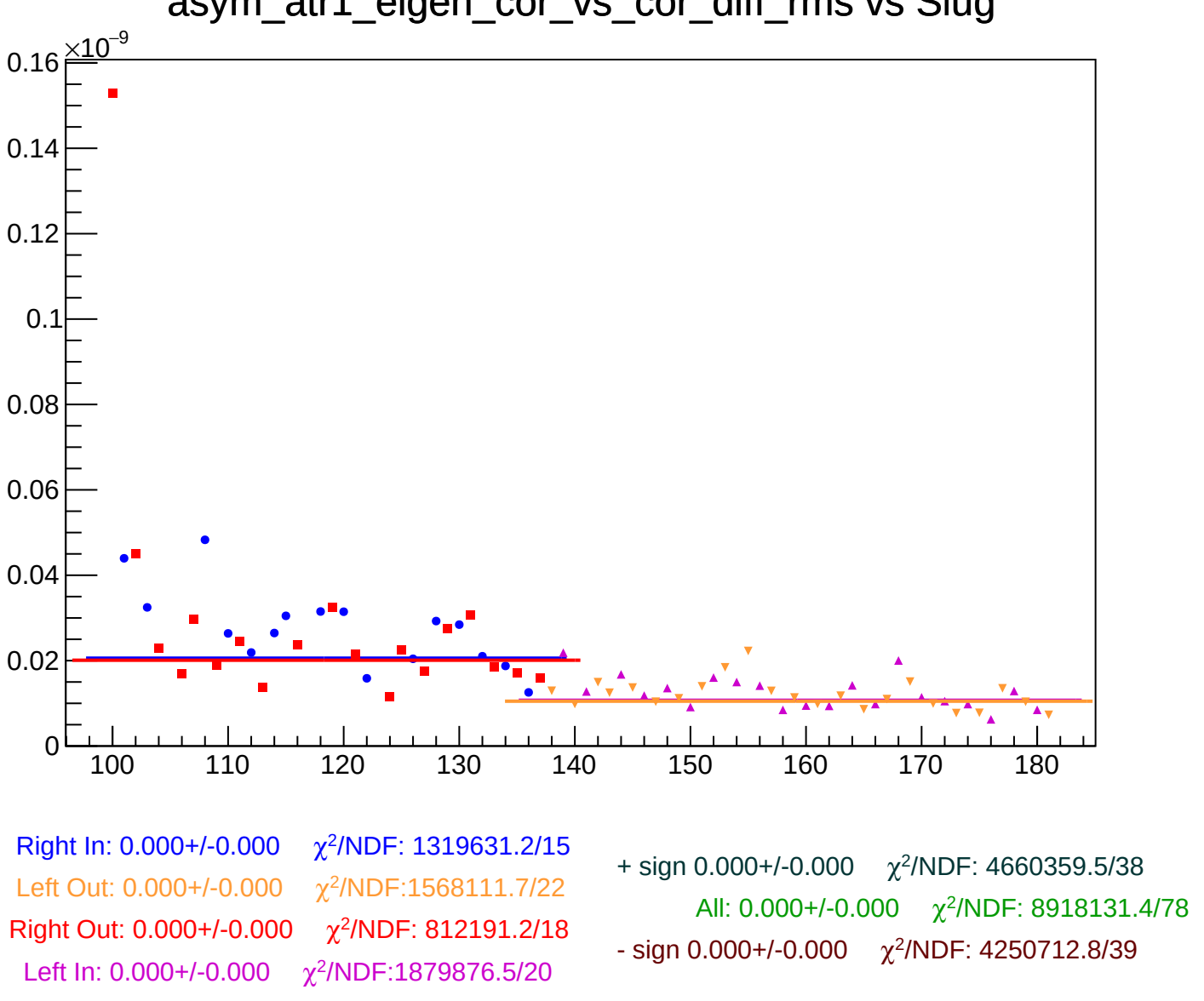
Right Out: 0.000+/-0.000 χ^2/NDF: 16.1/18

Left In: -0.000+/-0.000 χ^2/NDF:19.6/20

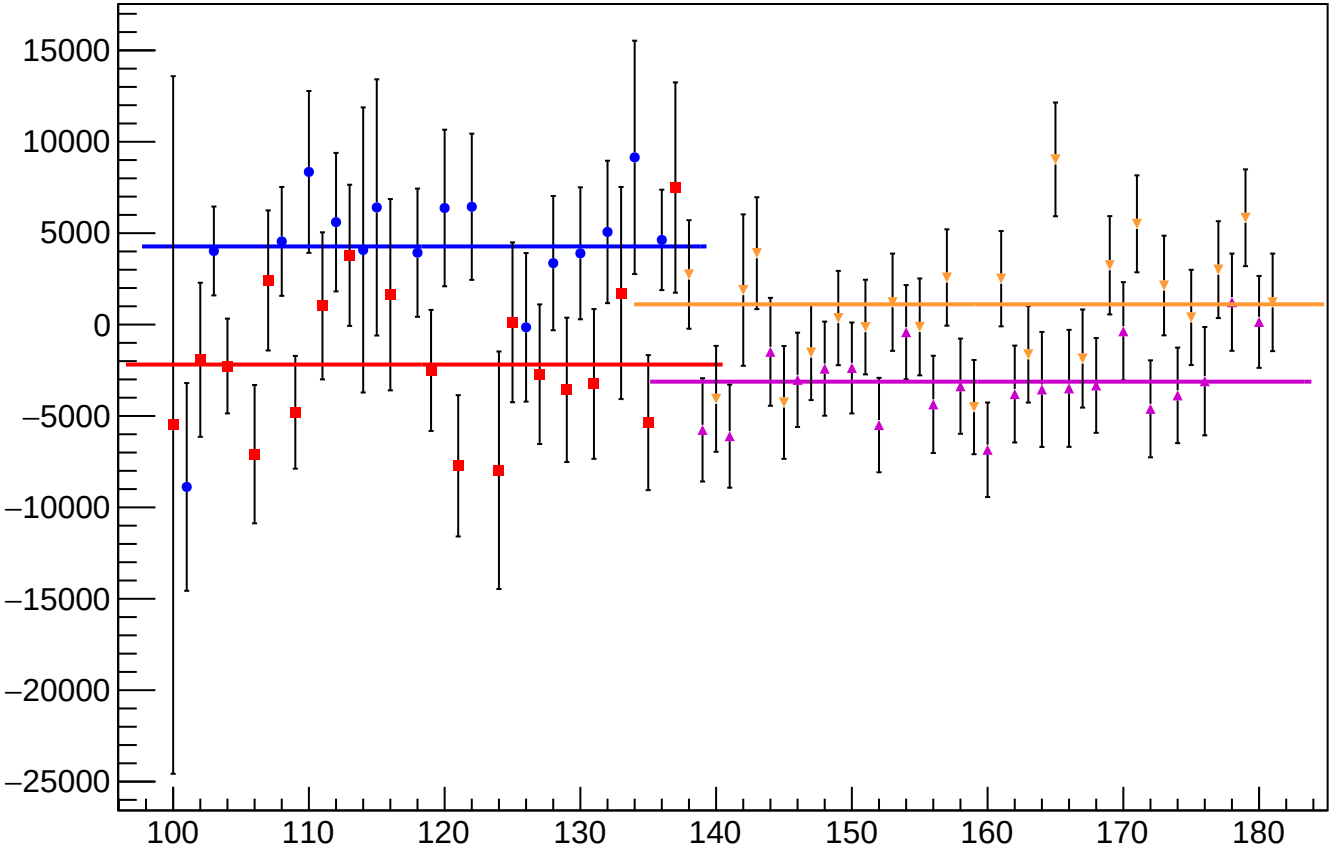
+ sign 0.000+/-0.000 χ^2/NDF: 29.7/38

All: 0.000+/-0.000 χ^2/NDF: 66.0/78

- sign 0.000+/-0.000 χ^2/NDF: 36.2/39


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:1568111.7/22
Right Out: 0.000+/-0.000 χ²/NDF: 812191.2/18
Left In: 0.000+/-0.000 χ²/NDF:1879876.5/20
+ sign 0.000+/-0.000 χ²/NDF: 4660359.5/38
All: 0.000+/-0.000 χ²/NDF: 8918131.4/78
- sign 0.000+/-0.000 χ²/NDF: 4250712.8/39

reg_asym_atr2_mean vs Slug



Right In: 4274.393+/-951.956 χ^2/NDF: 8.9/15

Left Out: 1108.810+/-572.657 χ^2/NDF:30.4/22

Right Out: -2186.264+/-922.104 χ^2/NDF: 14.8/18

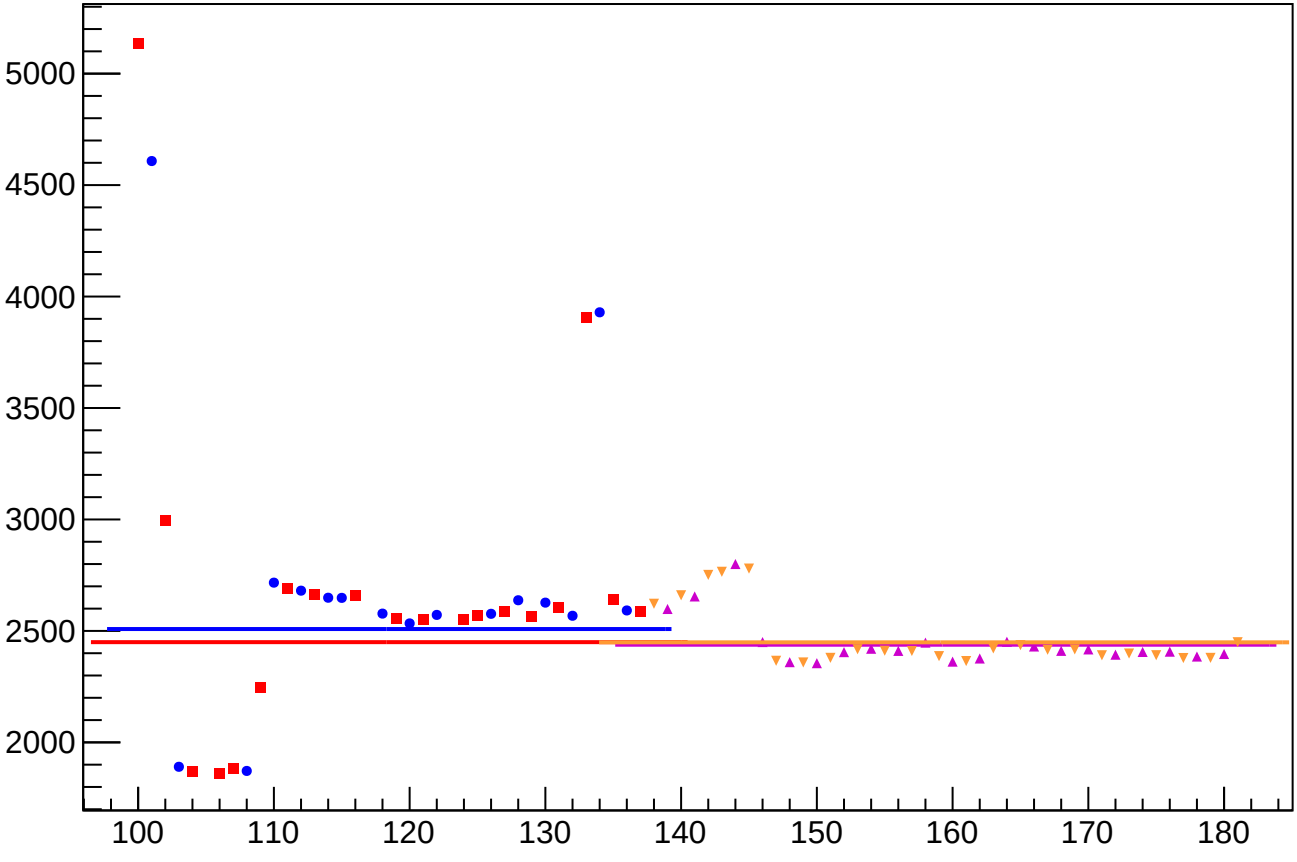
Left In: -3123.076+/-587.451 χ^2/NDF:12.6/20

+ sign 1949.958+/-490.711 χ^2/NDF: 47.4/38

All: -428.258+/-348.648 χ^2/NDF: 123.0/78

- sign -2852.623+/-495.450 χ^2/NDF: 28.2/39

reg_asym_atr2_rms vs Slug



Right In: 2508.466+/-0.673 χ^2/NDF: 611589.6/15

Left Out: 2448.801+/-0.405 χ^2/NDF:88955.6/22

Right Out: 2449.623+/-0.652 χ^2/NDF: 436901.0/18

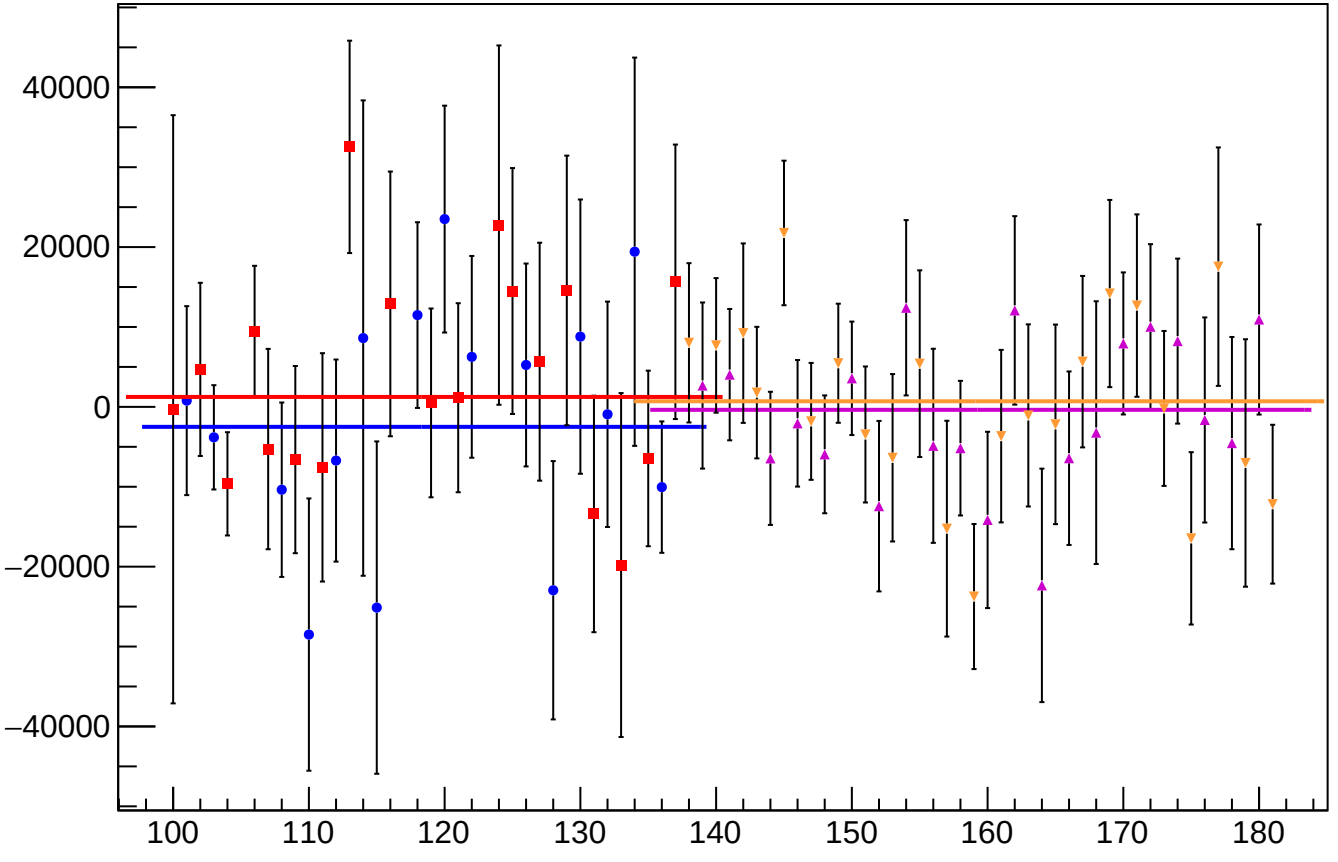
Left In: 2438.096+/-0.415 χ^2/NDF:58747.7/20

+ sign 2464.655+/-0.347 χ^2/NDF: 706314.3/38

All: 2453.151+/-0.247 χ^2/NDF: 1204405.1/78

- sign 2441.424+/-0.350 χ^2/NDF: 495871.0/39

asym_atr2_reg_correction_mean vs Slug



Right In: -2500.602+/-3075.580 χ^2/NDF: 13.8/15

Left Out: 701.973+/-2094.619 χ^2/NDF:25.9/22

Right Out: 1244.352+/-2852.739 χ^2/NDF: 16.6/18

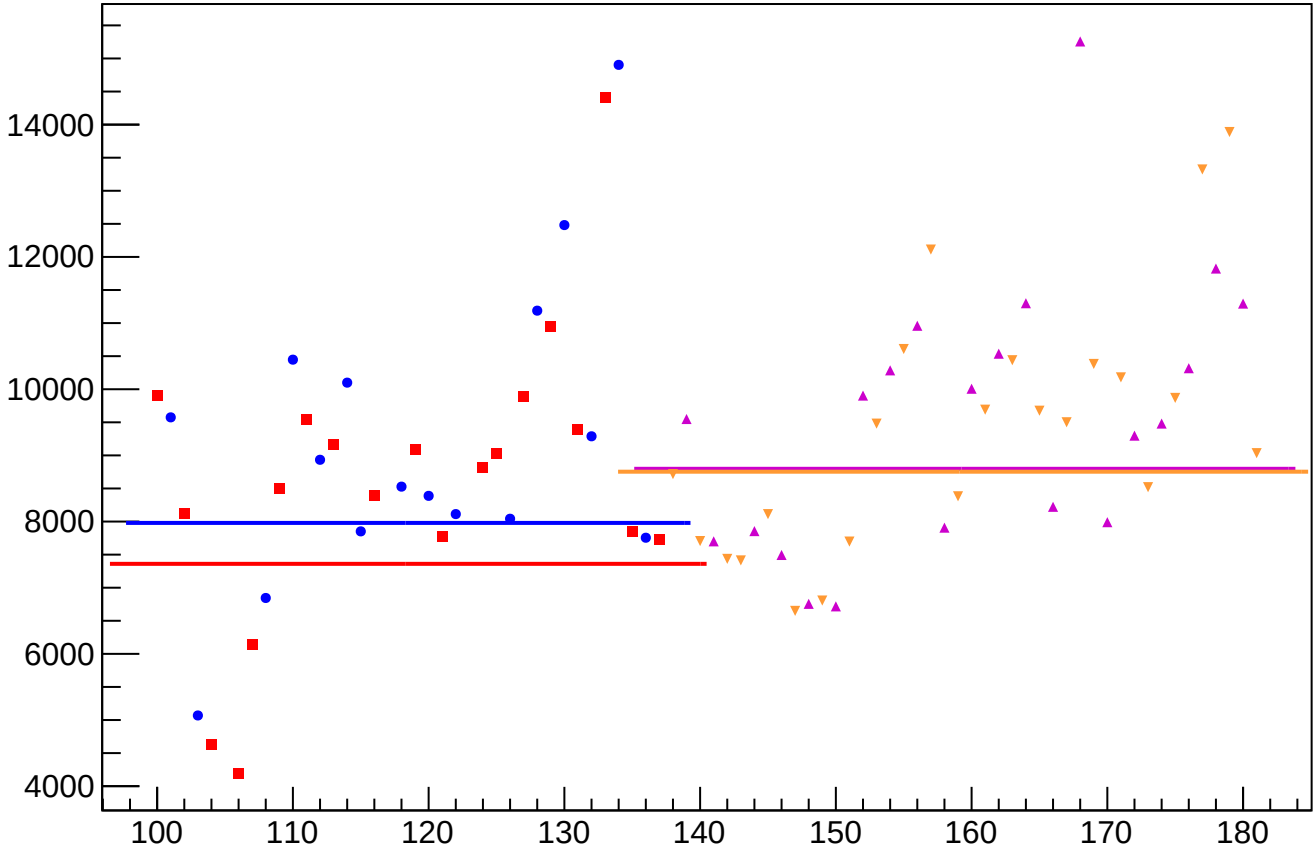
Left In: -370.306+/-2166.587 χ^2/NDF:13.8/20

+ sign -312.792+/-1731.252 χ^2/NDF: 40.4/38

All: -45.319+/-1222.102 χ^2/NDF: 71.0/78

- sign 220.345+/-1725.390 χ^2/NDF: 30.6/39

asym_atr2_reg_correction_rms vs Slug



Right In: 7979.488+/-2.175 χ^2/NDF: 923083.9/15

Left Out: 8753.643+/-1.481 χ^2/NDF:1221932.6/22

Right Out: 7360.741+/-2.017 χ^2/NDF: 1286008.5/18

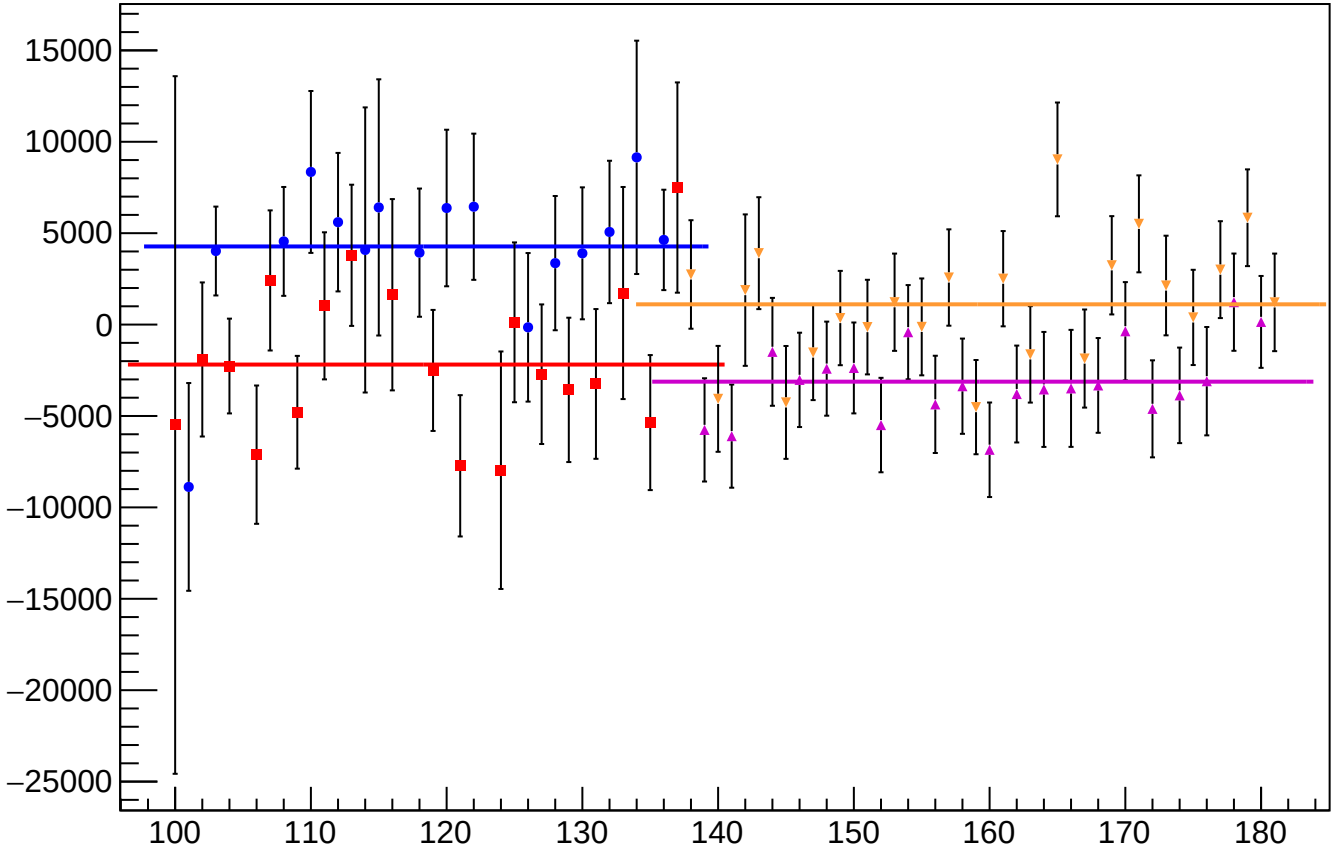
Left In: 8797.308+/-1.532 χ^2/NDF:1284785.7/20

+ sign 8508.345+/-1.224 χ^2/NDF: 2231581.4/38

All: 8389.673+/-0.864 χ^2/NDF: 5142753.9/78

- sign 8271.804+/-1.220 χ^2/NDF: 2892441.4/39

cor_asym_atr2_mean vs Slug



Right In: 4273.903+/-951.956 χ^2/NDF: 8.9/15

Left Out: 1108.616+/-572.657 χ^2/NDF:30.4/22

Right Out: -2186.887+/-922.111 χ^2/NDF: 14.8/18

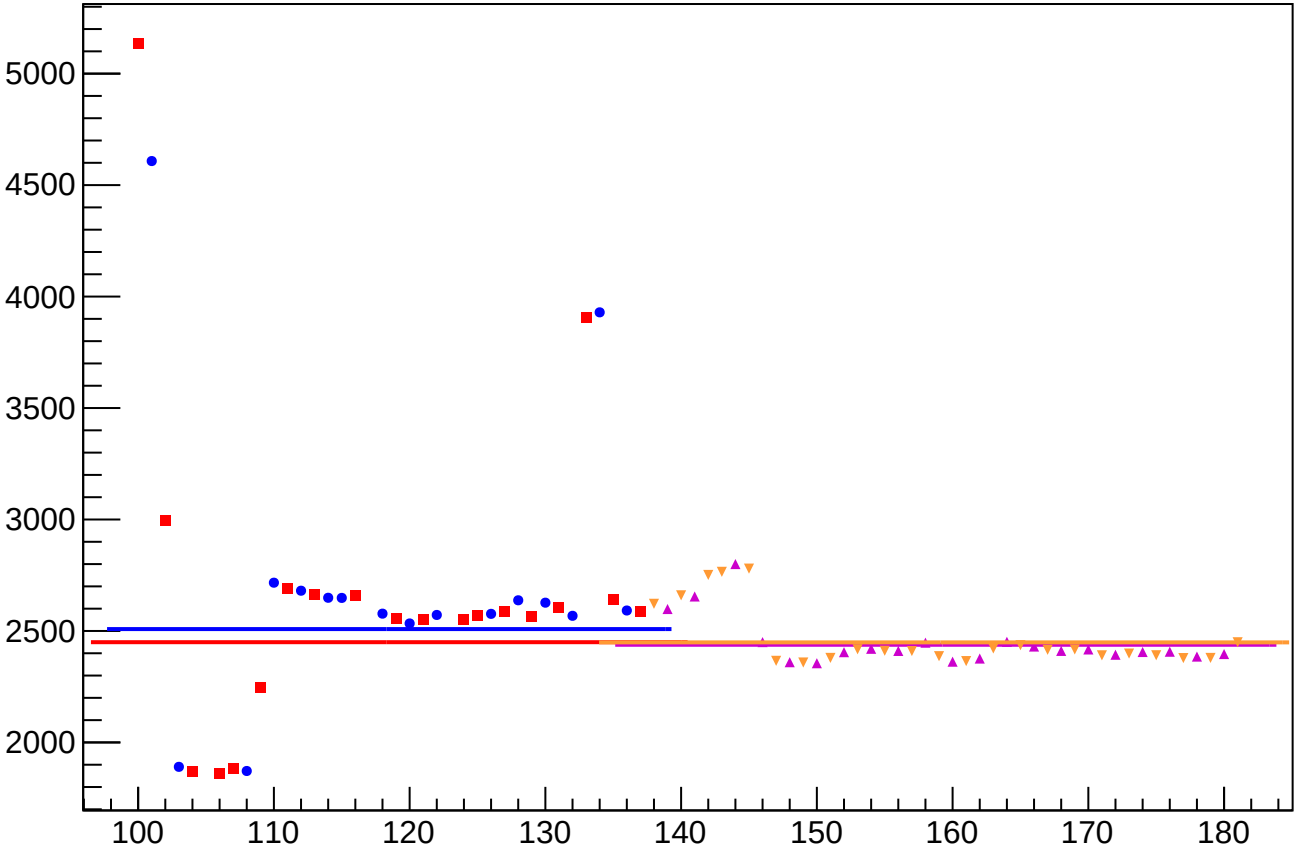
Left In: -3122.915+/-587.451 χ^2/NDF:12.6/20

+ sign 1949.685+/-490.711 χ^2/NDF: 47.4/38

All: -428.424+/-348.649 χ^2/NDF: 123.0/78

- sign -2852.691+/-495.451 χ^2/NDF: 28.2/39

cor_asym_atr2_rms vs Slug



Right In: 2508.467+/-0.673 χ^2/NDF: 611587.4/15

Left Out: 2448.801+/-0.405 χ^2/NDF:88955.6/22

Right Out: 2449.647+/-0.652 χ^2/NDF: 436846.6/18

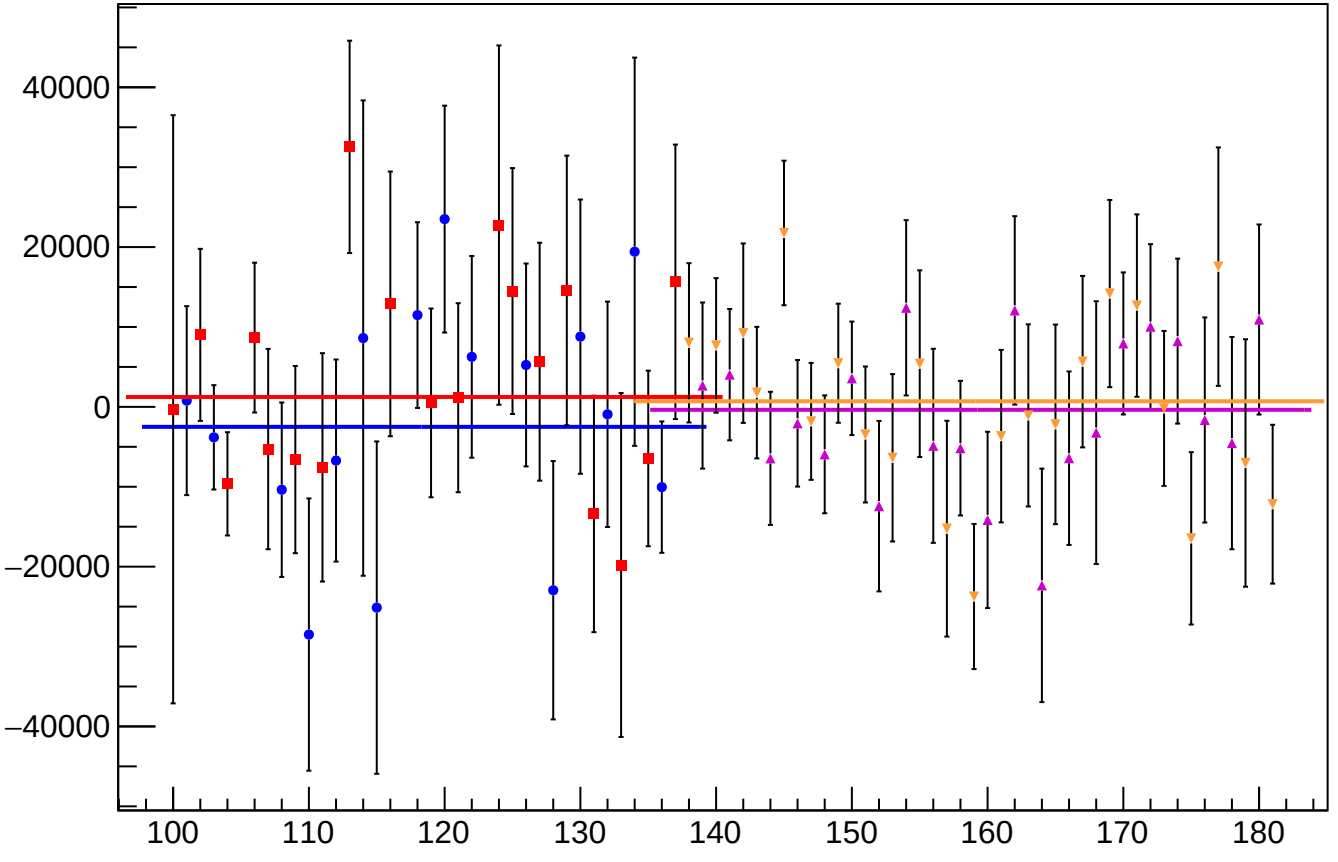
Left In: 2438.096+/-0.415 χ^2/NDF:58747.7/20

+ sign 2464.655+/-0.347 χ^2/NDF: 706312.3/38

All: 2453.155+/-0.247 χ^2/NDF: 1204348.4/78

- sign 2441.431+/-0.350 χ^2/NDF: 495817.6/39

asym_atr2_cor_correction_mean vs Slug



Right In: -2500.380+/-3075.668 χ^2/NDF: 13.8/15

Left Out: 701.968+/-2094.616 χ^2/NDF:25.9/22

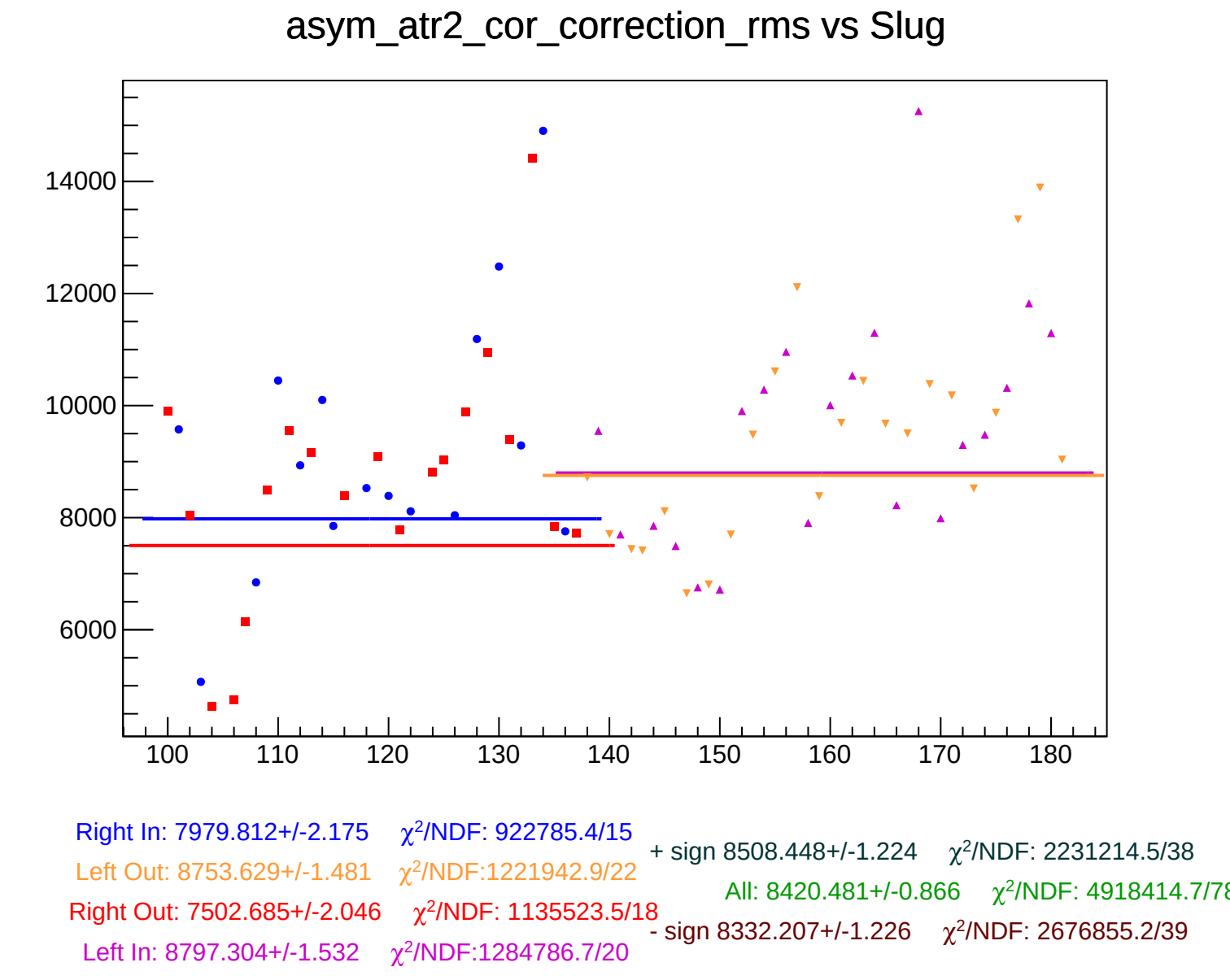
Right Out: 1239.896+/-2893.464 χ^2/NDF: 16.6/18

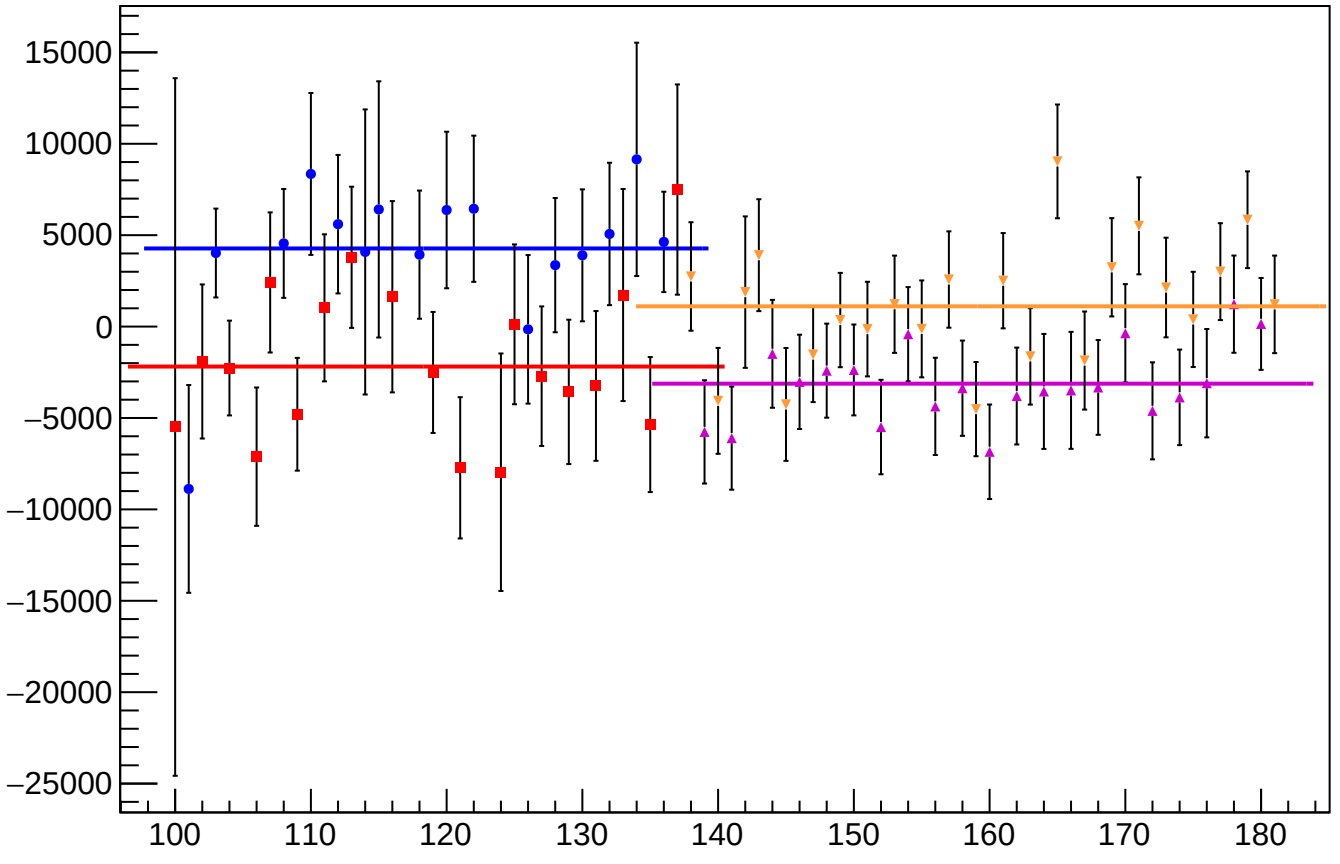
Left In: -370.277+/-2166.586 χ^2/NDF:13.8/20

+ sign -312.684+/-1731.266 χ^2/NDF: 40.4/38

All: -52.703+/-1225.253 χ^2/NDF: 71.0/78

- sign 208.184+/-1734.279 χ^2/NDF: 30.6/39


asym_atr2_cor_correction_rms vs Slug
14000
12000
10000
8000
6000
100
110
120
130
140
150
160
170
180
Right In: 7979.812+/-2.175 χ²/NDF: 922785.4/15
Left Out: 8753.629+/-1.481 χ²/NDF:1221942.9/22
Right Out: 7502.685+/-2.046 χ²/NDF: 1135523.5/18
Left In: 8797.304+/-1.532 χ²/NDF:1284786.7/20
+ sign 8508.448+/-1.224 χ²/NDF: 2231214.5/38
All: 8420.481+/-0.866 χ²/NDF: 4918414.7/78
- sign 8332.207+/-1.226 χ²/NDF: 2676855.2/39



Right In: 4273.903+/-951.956 χ^2/NDF: 8.9/15

Left Out: 1108.616+/-572.657 χ^2/NDF:30.4/22

Right Out: -2186.887+/-922.111 χ^2/NDF: 14.8/18

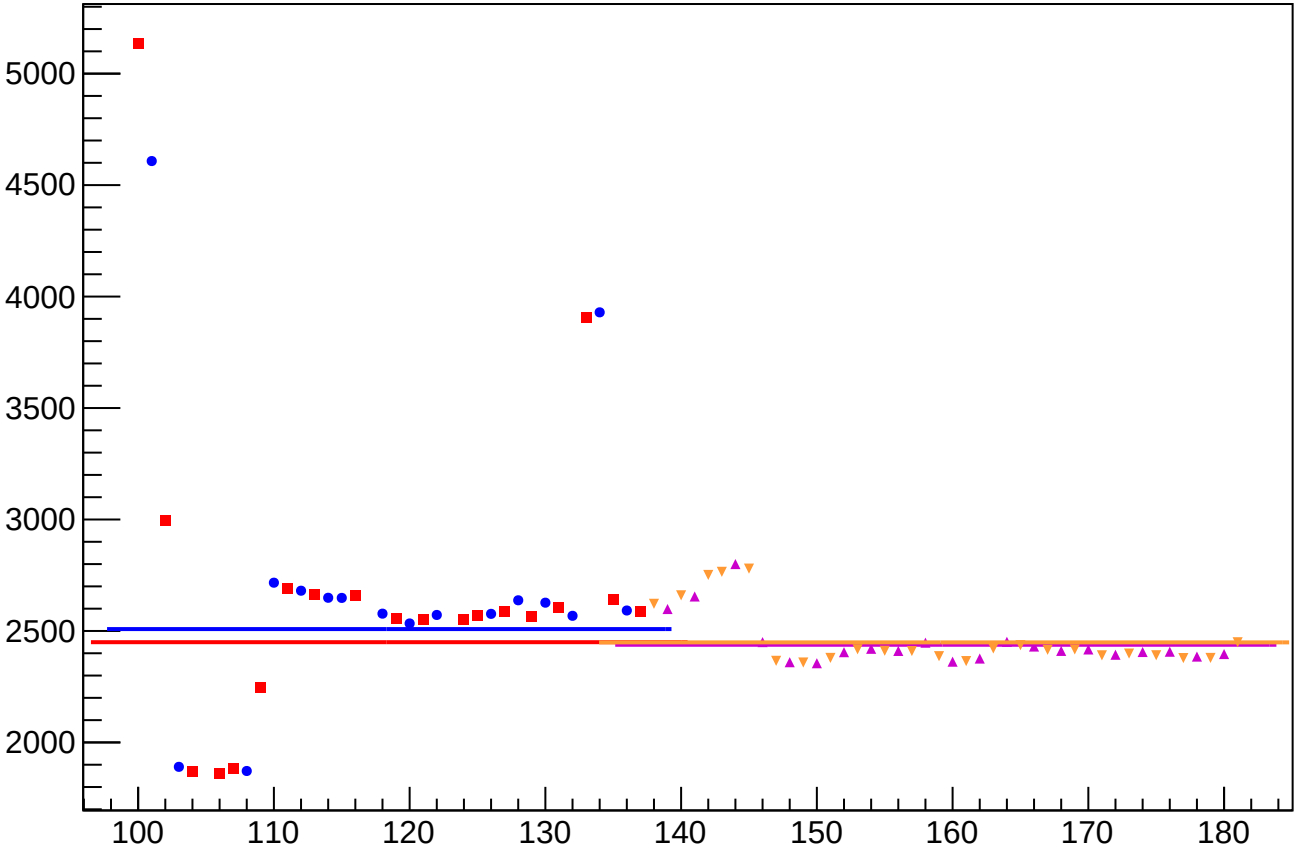
Left In: -3122.915+/-587.451 χ^2/NDF:12.6/20

+ sign 1949.685+/-490.711 χ^2/NDF: 47.4/38

All: -428.424+/-348.649 χ^2/NDF: 123.0/78

- sign -2852.691+/-495.451 χ^2/NDF: 28.2/39

eigen_cor_asym_atr2_rms vs Slug



Right In: 2508.467+/-0.673 χ^2/NDF: 611587.4/15

Left Out: 2448.801+/-0.405 χ^2/NDF:88955.6/22

Right Out: 2449.647+/-0.652 χ^2/NDF: 436846.6/18

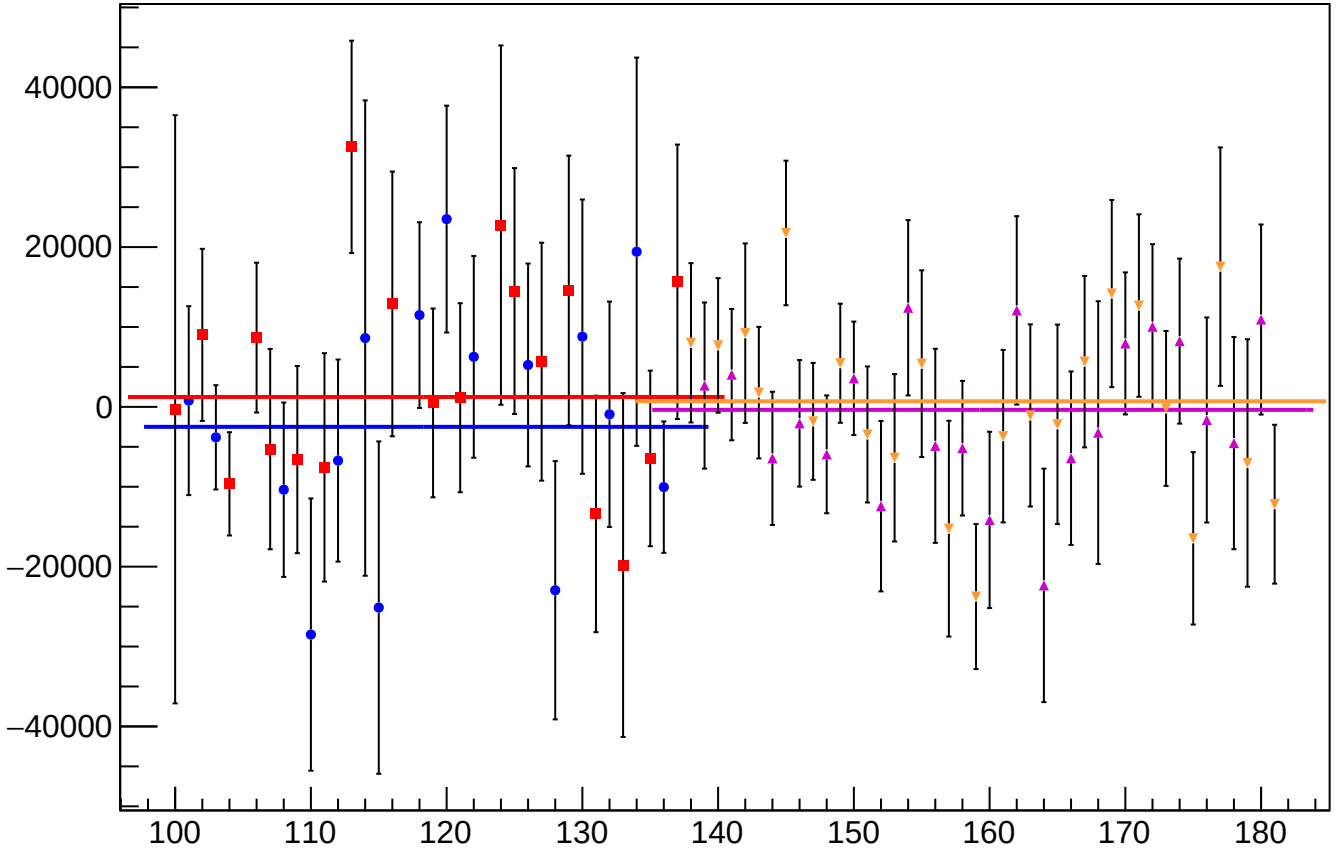
Left In: 2438.096+/-0.415 χ^2/NDF:58747.7/20

+ sign 2464.655+/-0.347 χ^2/NDF: 706312.3/38

All: 2453.155+/-0.247 χ^2/NDF: 1204348.4/78

- sign 2441.431+/-0.350 χ^2/NDF: 495817.6/39

asym_atr2_eigen_cor_correction_mean vs Slug



Right In: -2500.380+/-3075.668 χ^2/NDF: 13.8/15

Left Out: 701.968+/-2094.616 χ^2/NDF:25.9/22

Right Out: 1239.896+/-2893.464 χ^2/NDF: 16.6/18

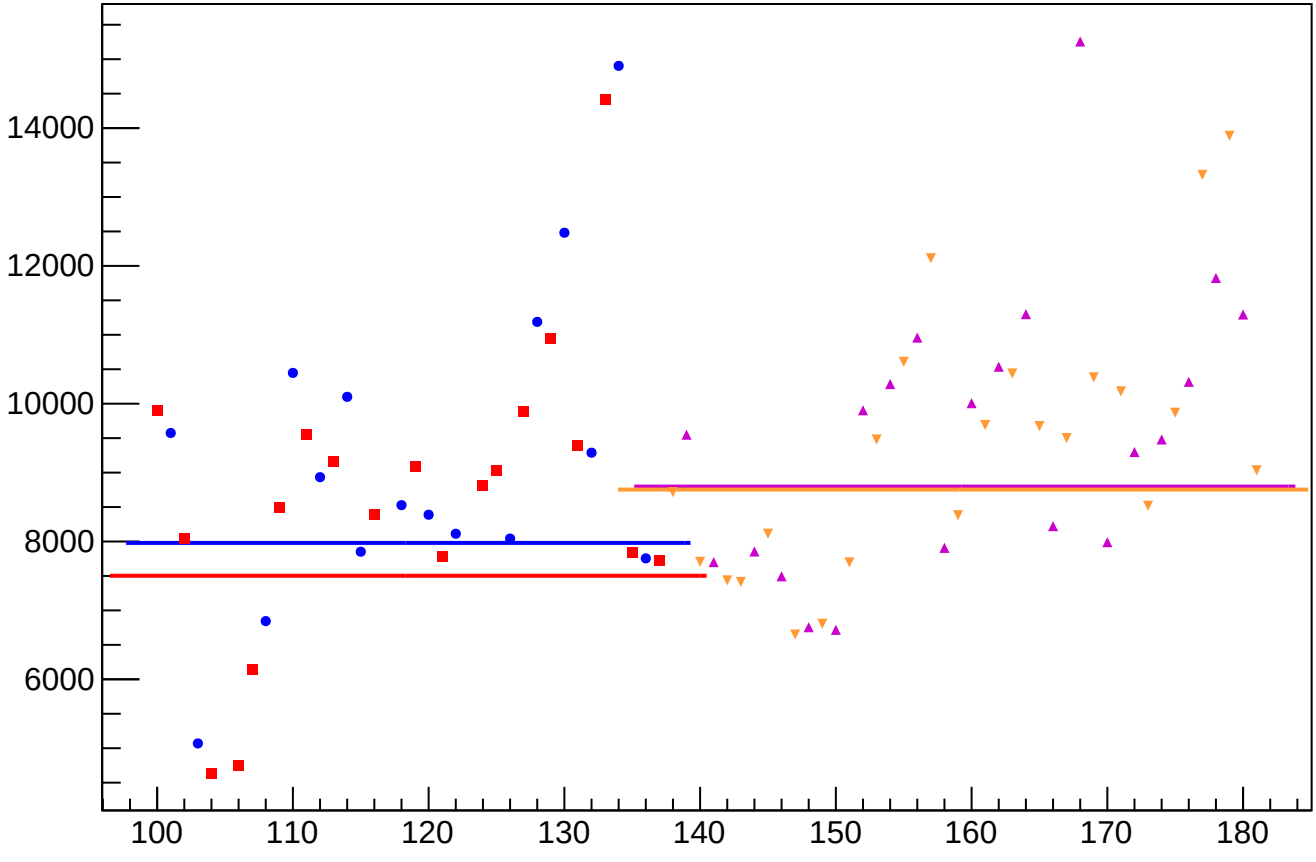
Left In: -370.277+/-2166.586 χ^2/NDF:13.8/20

+ sign -312.684+/-1731.266 χ^2/NDF: 40.4/38

All: -52.703+/-1225.253 χ^2/NDF: 71.0/78

- sign 208.184+/-1734.279 χ^2/NDF: 30.6/39

asym_atr2_eigen_cor_correction_rms vs Slug



Right In: 7979.812+/-2.175 χ^2/NDF: 922785.4/15

Left Out: 8753.629+/-1.481 χ^2/NDF:1221942.9/22

Right Out: 7502.685+/-2.046 χ^2/NDF: 1135523.5/18

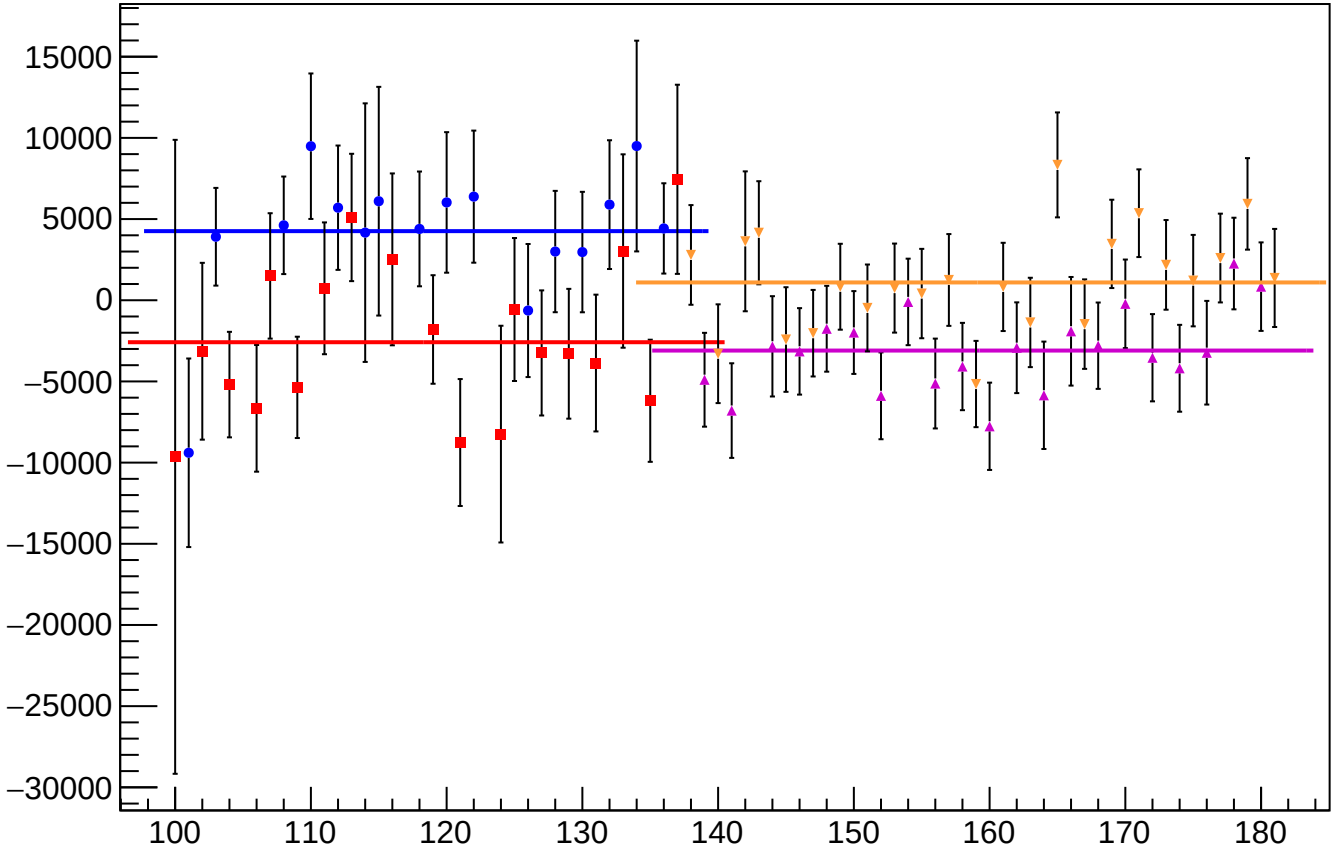
Left In: 8797.304+/-1.532 χ^2/NDF:1284786.7/20

+ sign 8508.448+/-1.224 χ^2/NDF: 2231214.5/38

All: 8420.481+/-0.866 χ^2/NDF: 4918414.7/78

- sign 8332.207+/-1.226 χ^2/NDF: 2676855.2/39

dit_asym_atr2_mean vs Slug



Right In: 4256.977+/-990.542 χ^2/NDF: 10.1/15

Left Out: 1096.709+/-596.276 χ^2/NDF:25.6/22

Right Out: -2584.689+/-966.049 χ^2/NDF: 17.6/18

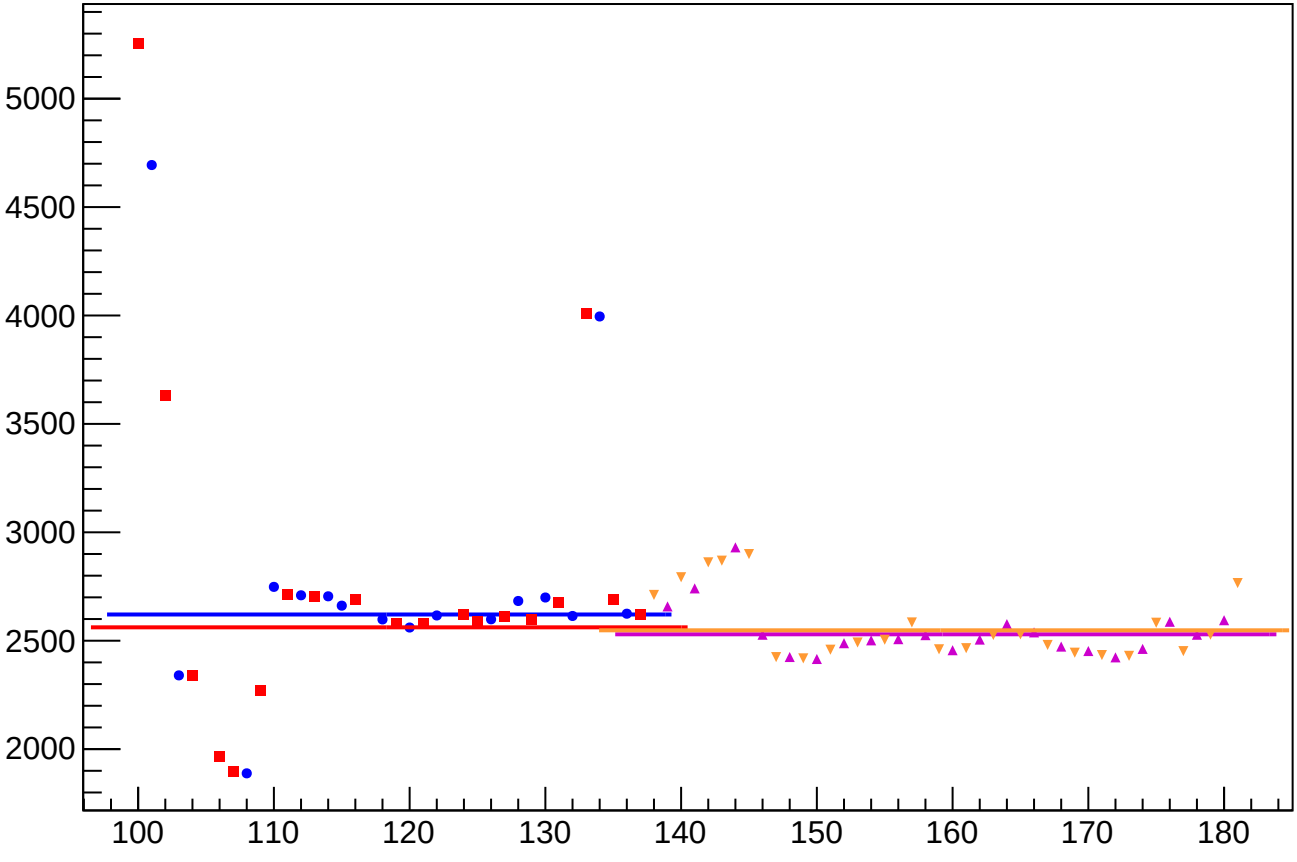
Left In: -3098.488+/-609.745 χ^2/NDF:16.3/20

+ sign 1937.288+/-510.858 χ^2/NDF: 43.1/38

All: -484.698+/-362.905 χ^2/NDF: 122.6/78

- sign -2952.113+/-515.627 χ^2/NDF: 34.2/39

dit_asym_atr2_rms vs Slug



Right In: 2620.964+/-0.700 χ^2/NDF: 485914.1/15

Left Out: 2548.006+/-0.422 χ^2/NDF:115257.0/22

Right Out: 2561.718+/-0.683 χ^2/NDF: 378259.5/18

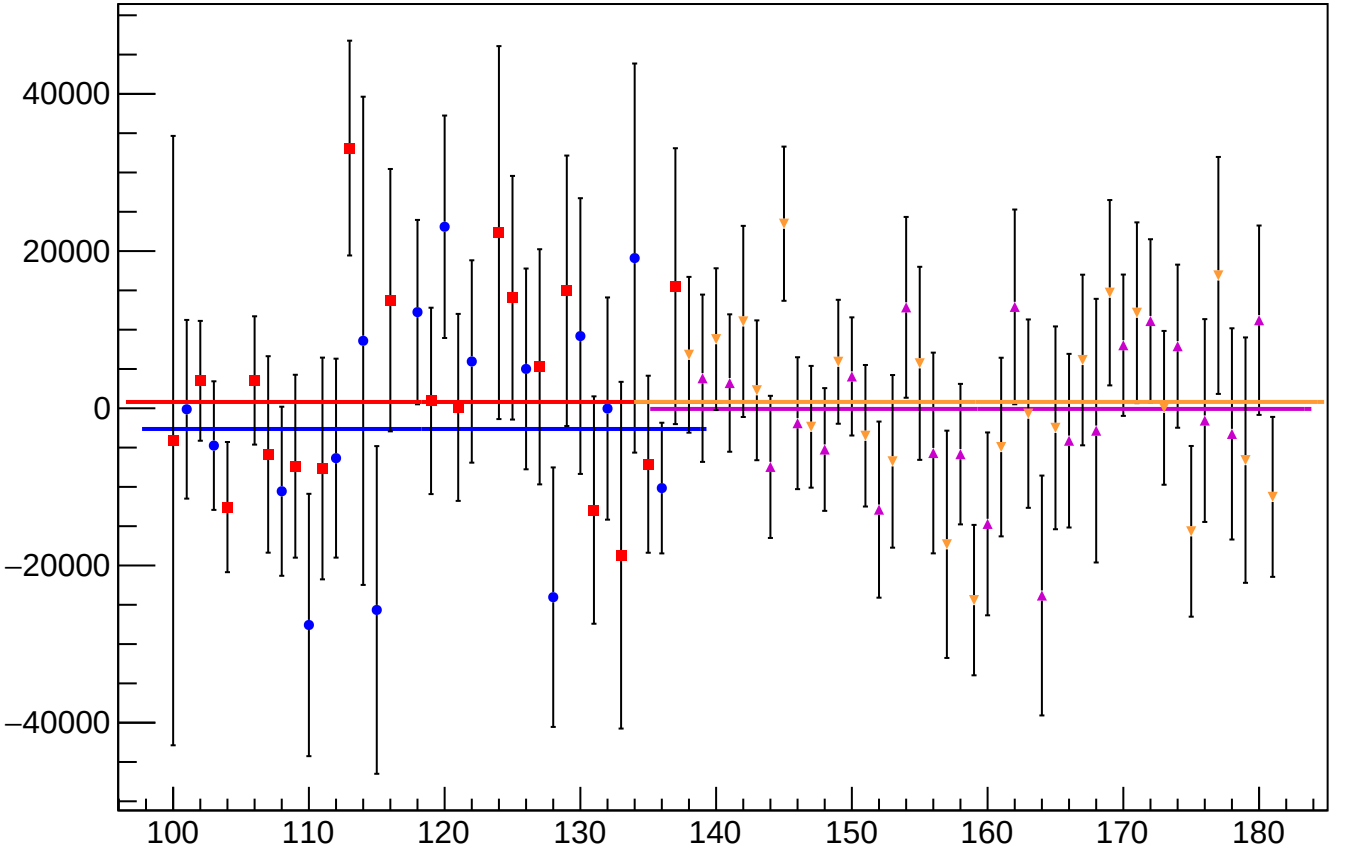
Left In: 2529.616+/-0.431 χ^2/NDF:66950.5/20

+ sign 2567.411+/-0.361 χ^2/NDF: 609135.3/38

All: 2553.221+/-0.257 χ^2/NDF: 1059040.6/78

- sign 2538.769+/-0.365 χ^2/NDF: 446790.6/39

asym_atr2_dit_correction_mean vs Slug



Right In: -2631.921+/-3211.506 χ^2/NDF: 13.8/15

Left Out: 807.844+/-2187.249 χ^2/NDF:25.2/22

Right Out: 802.880+/-2872.934 χ^2/NDF: 15.4/18

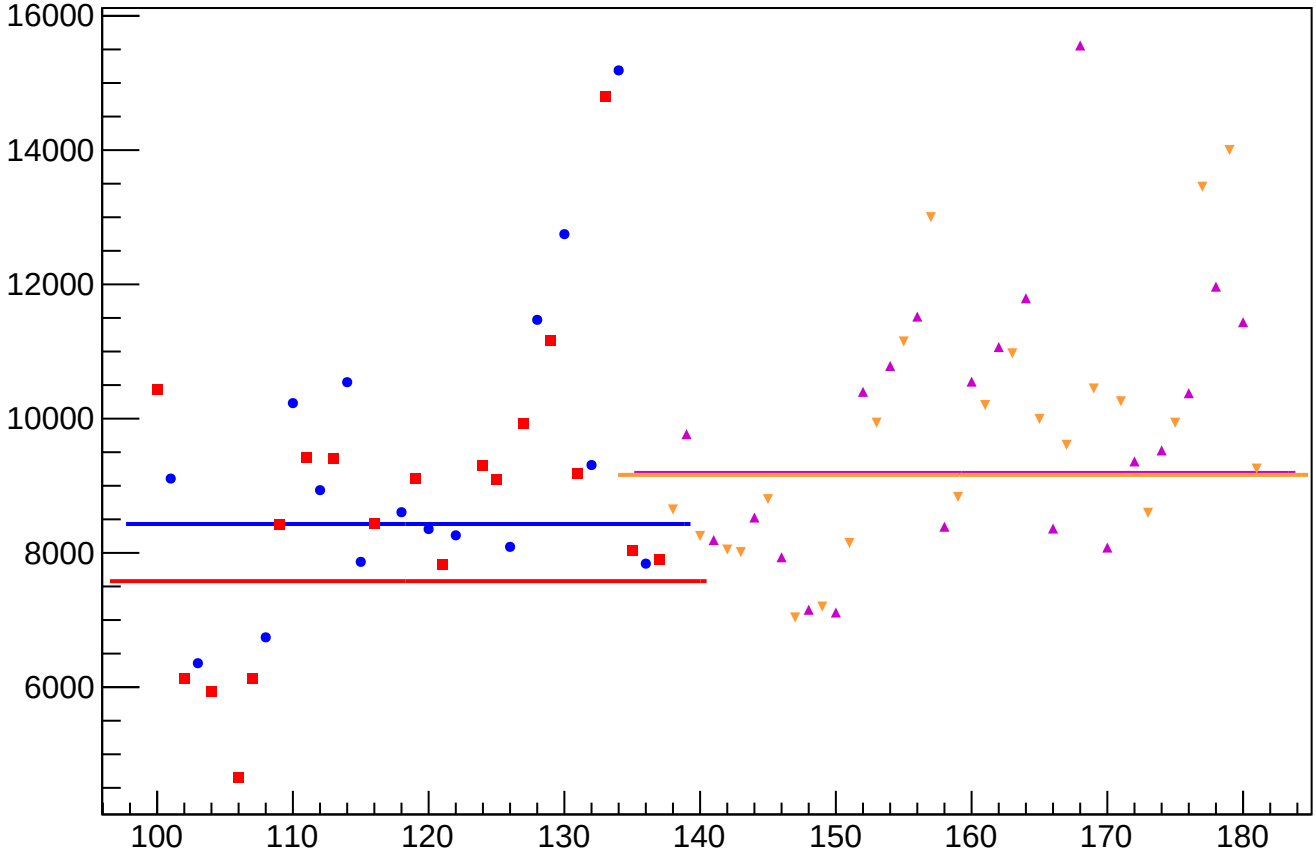
Left In: -81.595+/-2259.299 χ^2/NDF:13.7/20

+ sign -282.116+/-1807.797 χ^2/NDF: 39.8/38

All: -8.080+/-1266.888 χ^2/NDF: 69.0/78

- sign 256.380+/-1775.929 χ^2/NDF: 29.1/39

asym_atr2_dit_correction_rms vs Slug



Right In: 8430.768+/-2.271 χ^2/NDF: 580295.1/15

Left Out: 9162.143+/-1.547 χ^2/NDF:1071624.7/22

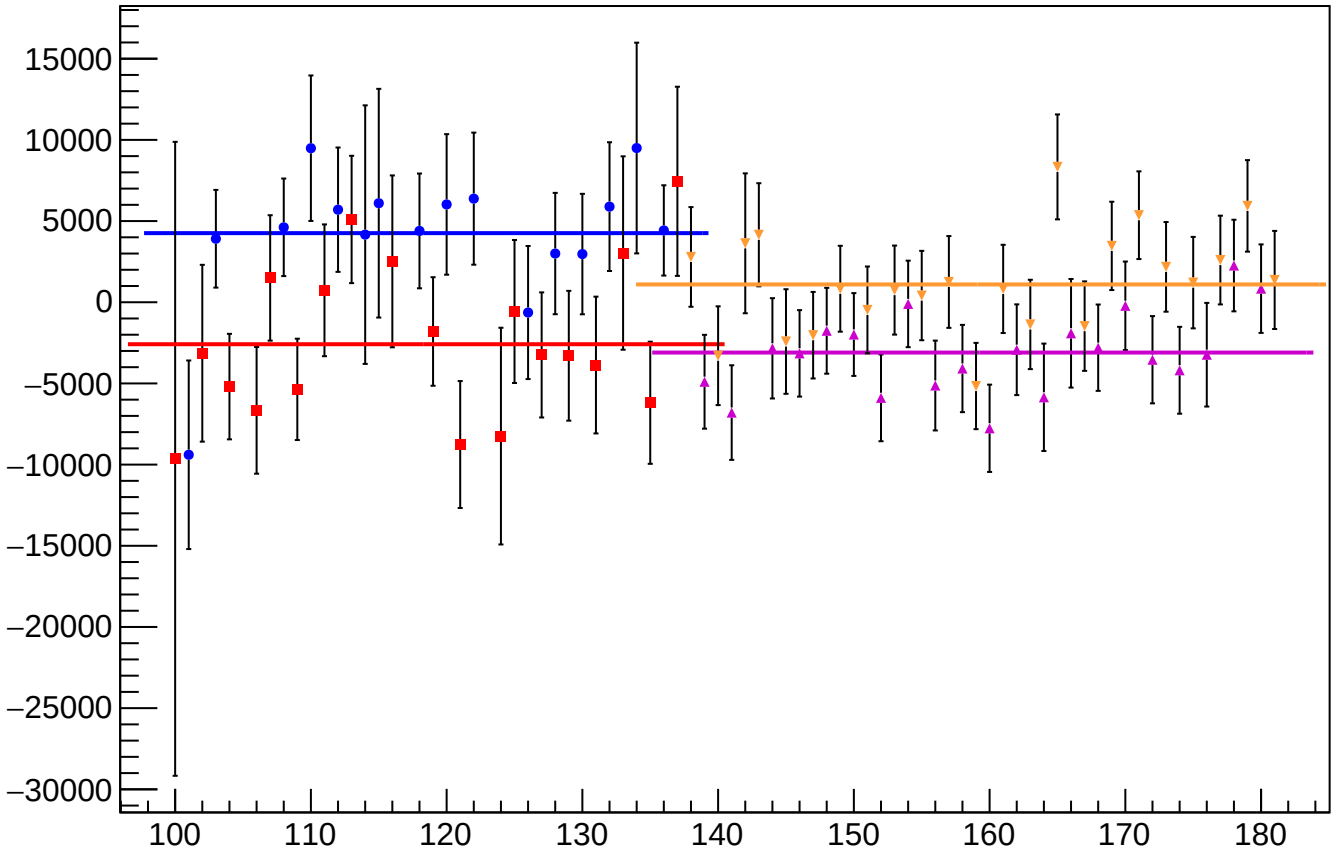
Right Out: 7579.112+/-2.031 χ^2/NDF: 974126.9/18

Left In: 9191.333+/-1.598 χ^2/NDF:1157052.2/20

+ sign 8930.392+/-1.278 χ^2/NDF: 1722778.8/38

All: 8749.674+/-0.896 χ^2/NDF: 4282395.5/78

- sign 8575.271+/-1.256 χ^2/NDF: 2520342.5/39



Right In: 4256.984+/-990.541 χ^2/NDF: 10.1/15

Left Out: 1096.698+/-596.276 χ^2/NDF:25.6/22

Right Out: -2584.699+/-966.048 χ^2/NDF: 17.6/18

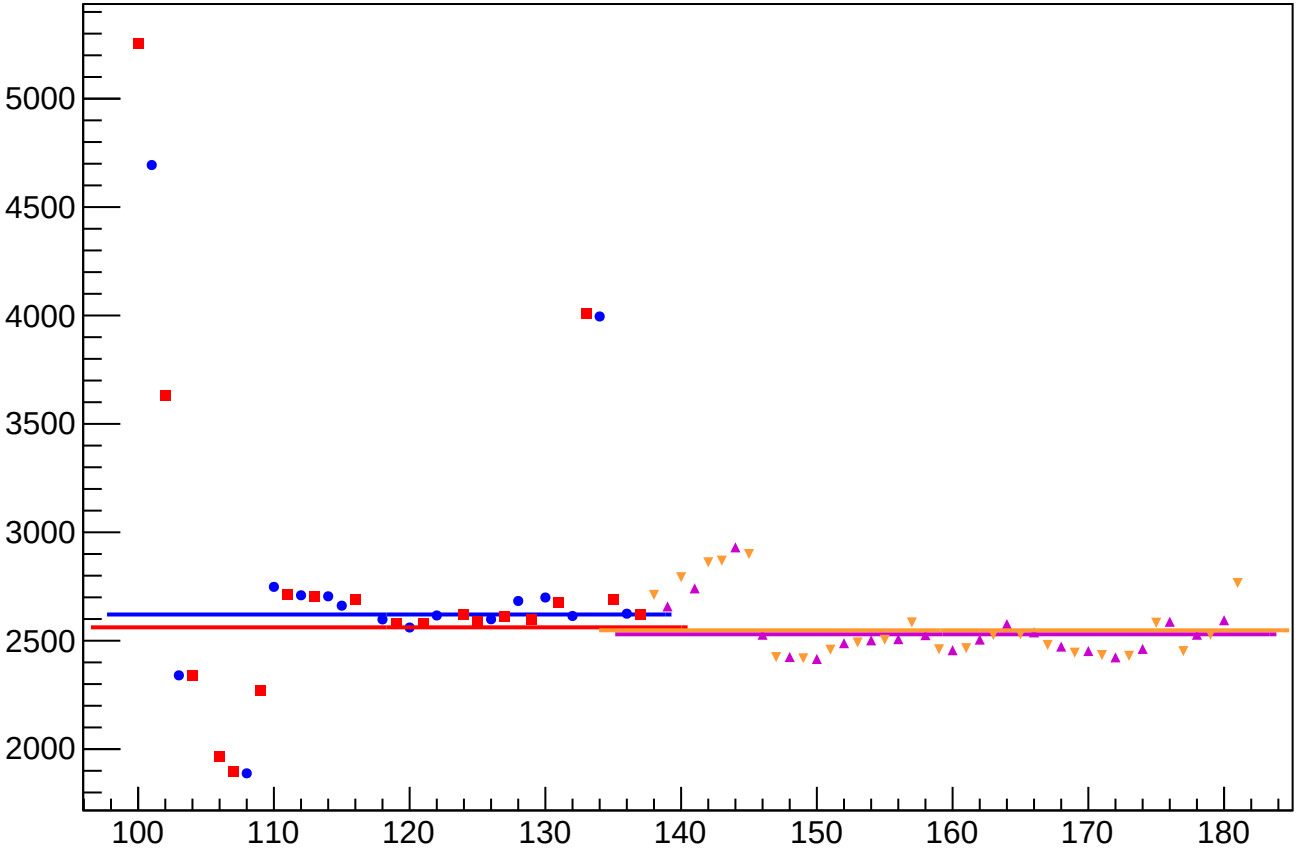
Left In: -3098.488+/-609.746 χ^2/NDF:16.3/20

+ sign 1937.284+/-510.858 χ^2/NDF: 43.1/38

All: -484.701+/-362.906 χ^2/NDF: 122.6/78

- sign -2952.116+/-515.627 χ^2/NDF: 34.2/39

eigen_dit_asym_atr2_rms vs Slug



Right In: 2620.963+/-0.700 χ^2/NDF: 485914.3/15

Left Out: 2548.007+/-0.422 χ^2/NDF:115257.0/22

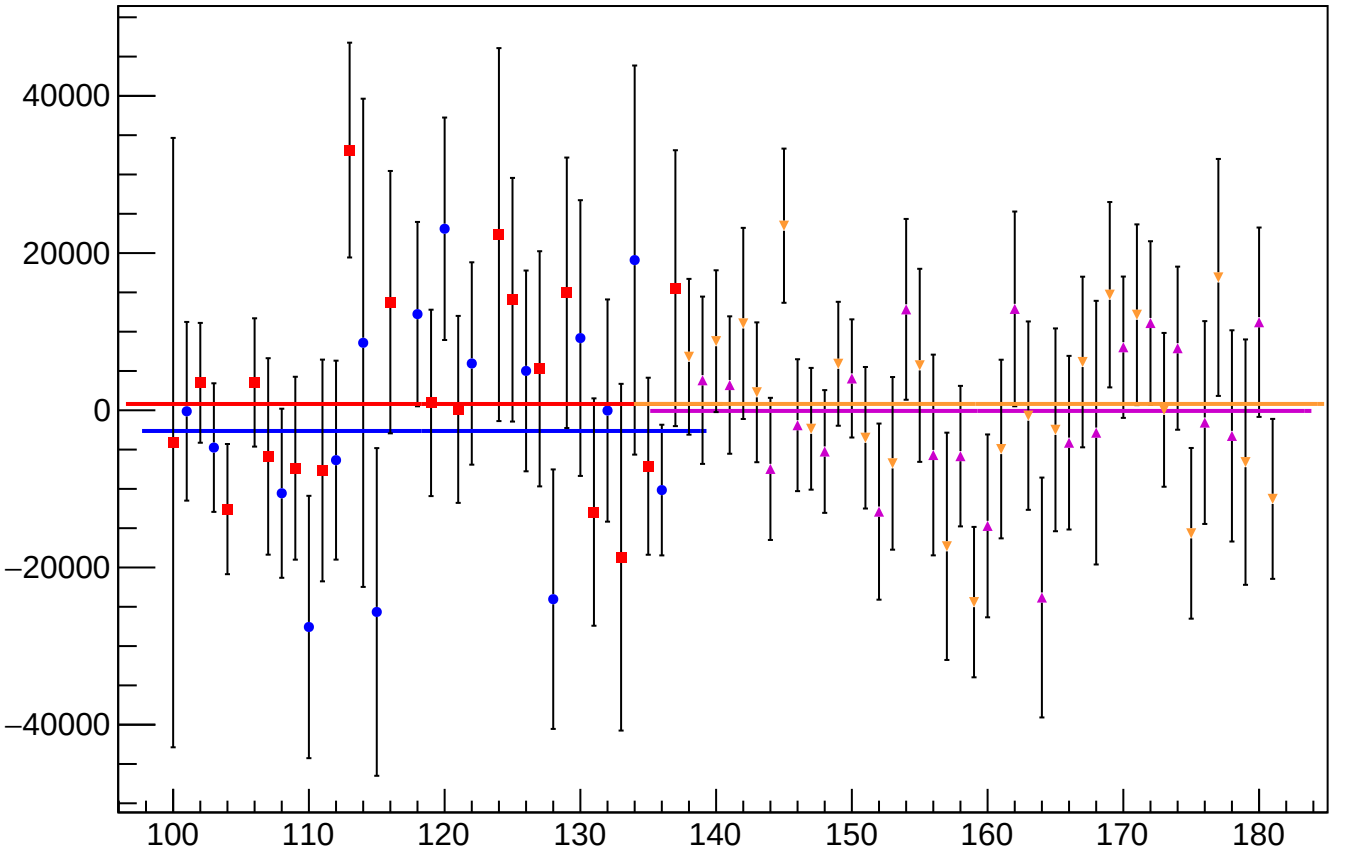
Right Out: 2561.718+/-0.683 χ^2/NDF: 378258.9/18

Left In: 2529.618+/-0.431 χ^2/NDF:66950.3/20

+ sign 2567.412+/-0.361 χ^2/NDF: 609134.9/38

All: 2553.222+/-0.257 χ^2/NDF: 1059039.3/78

- sign 2538.771+/-0.365 χ^2/NDF: 446789.6/39



Right In: -2631.887+/-3211.501 χ^2/NDF: 13.8/15

Left Out: 807.841+/-2187.253 χ^2/NDF:25.2/22

Right Out: 802.875+/-2872.930 χ^2/NDF: 15.4/18

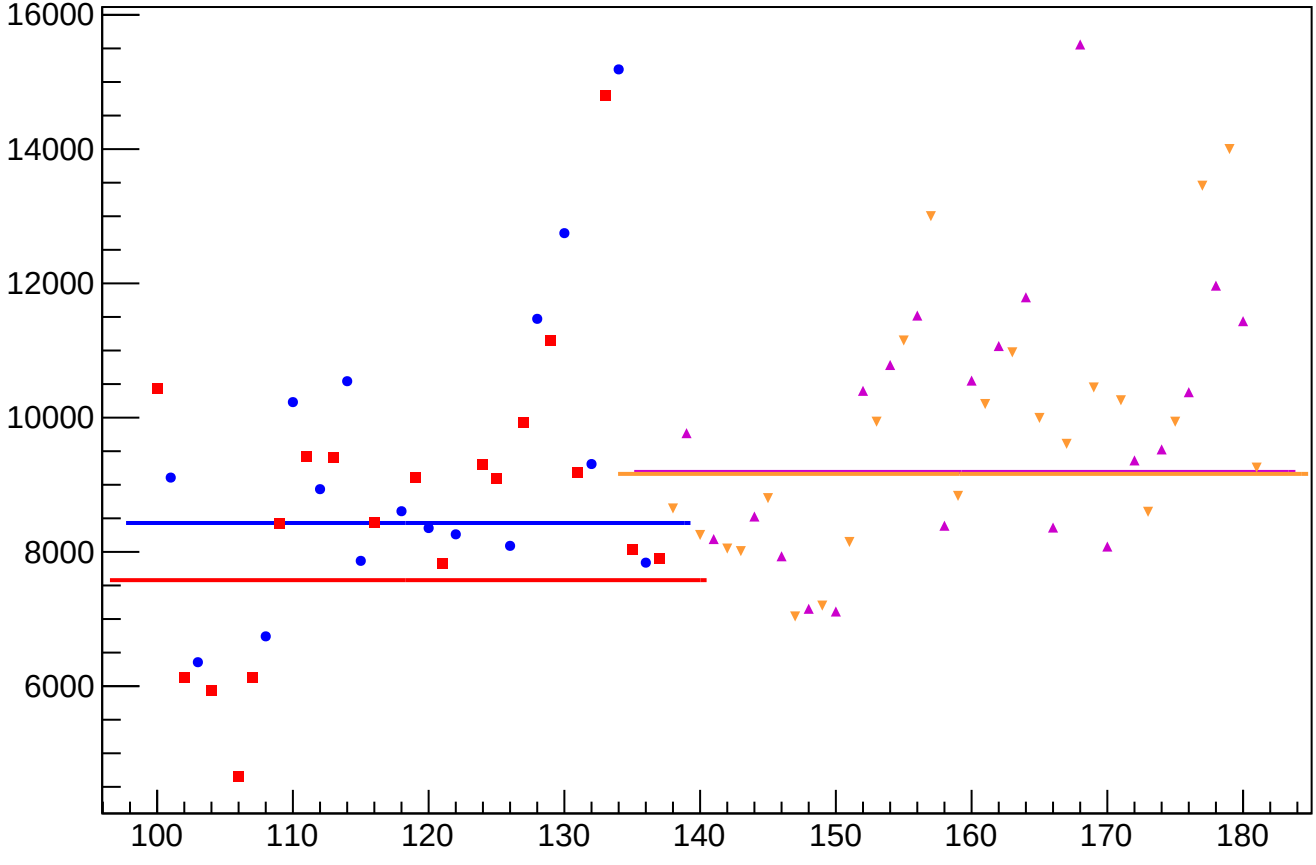
Left In: -81.593+/-2259.303 χ^2/NDF:13.7/20

+ sign -282.112+/-1807.798 χ^2/NDF: 39.8/38

All: -8.077+/-1266.889 χ^2/NDF: 69.0/78

- sign 256.382+/-1775.930 χ^2/NDF: 29.1/39

asym_atr2_eigen_dit_correction_rms vs Slug



Right In: 8430.758+/-2.271 χ^2/NDF: 580289.4/15

Left Out: 9162.157+/-1.547 χ^2/NDF:1071626.6/22

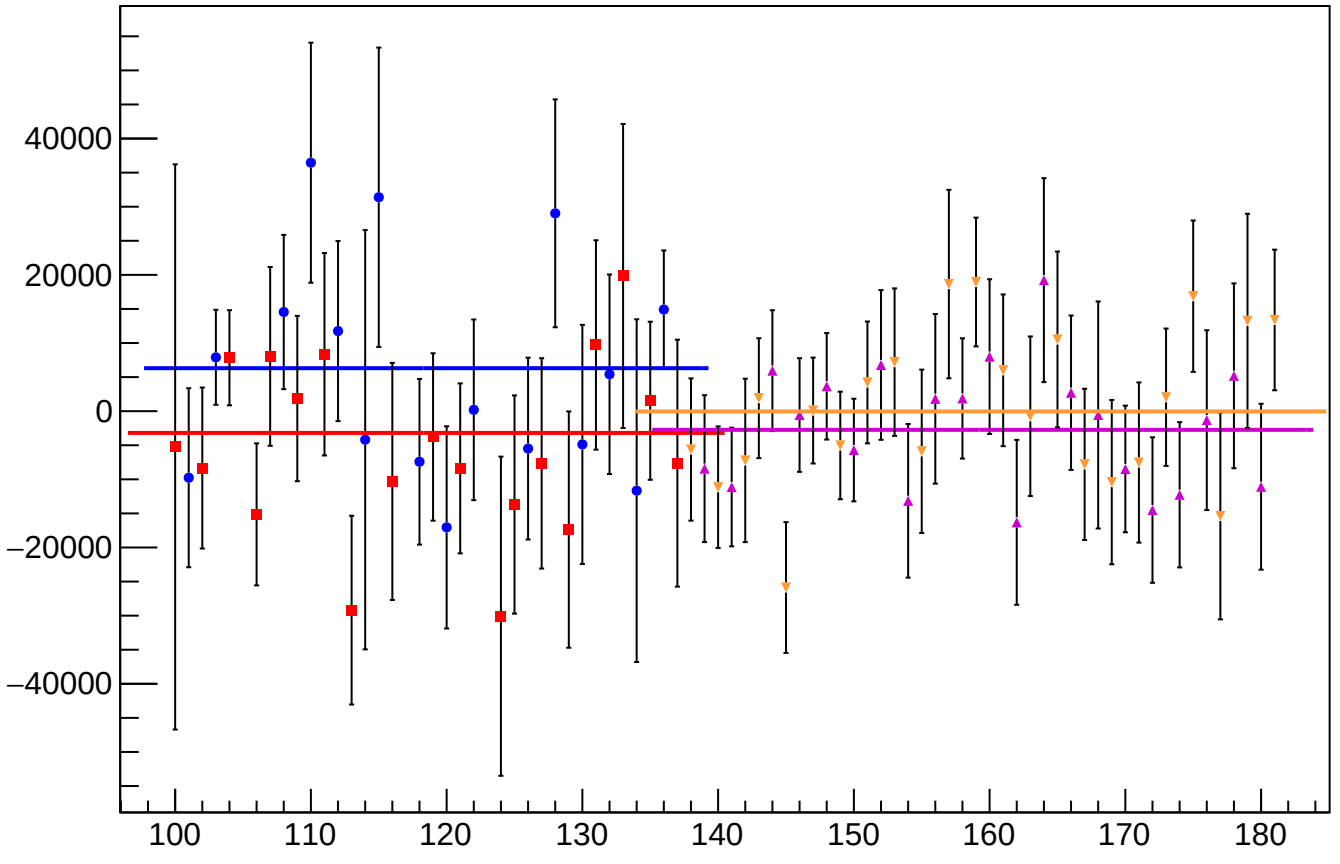
Right Out: 7579.100+/-2.031 χ^2/NDF: 974123.2/18

Left In: 9191.348+/-1.598 χ^2/NDF:1157055.8/20

+ sign 8930.398+/-1.278 χ^2/NDF: 1722779.9/38

All: 8749.678+/-0.896 χ^2/NDF: 4282410.2/78

- sign 8575.273+/-1.256 χ^2/NDF: 2520355.3/39



Right In: 6307.034+/-3239.703 χ^2/NDF: 15.1/15

Left Out: -39.996+/-2187.571 χ^2/NDF:25.1/22

Right Out: -3189.356+/-3068.645 χ^2/NDF: 13.9/18

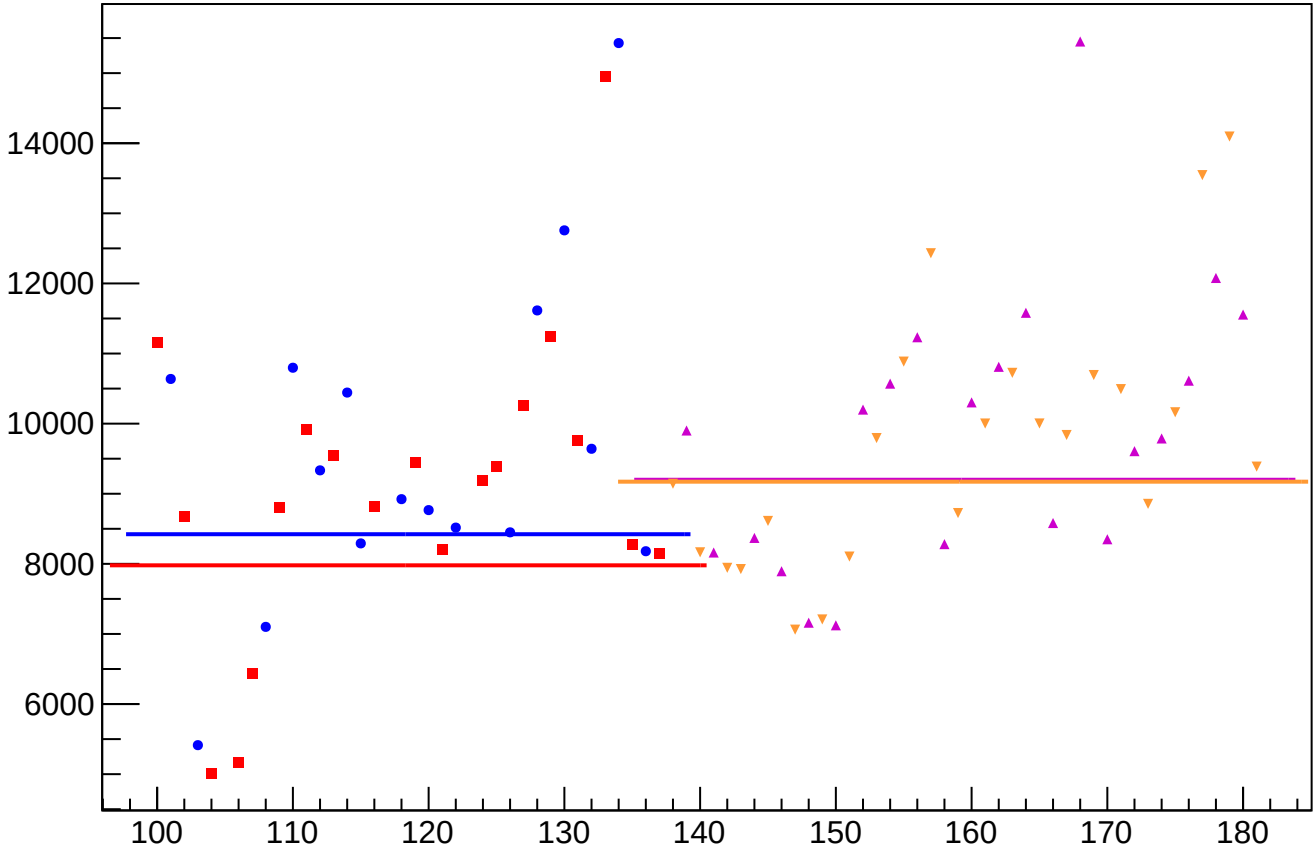
Left In: -2736.860+/-2258.961 χ^2/NDF:12.8/20

+ sign 1947.650+/-1812.965 χ^2/NDF: 42.8/38

All: -465.809+/-1284.158 χ^2/NDF: 73.1/78

- sign -2895.891+/-1819.197 χ^2/NDF: 26.7/39

asym_atr2_rms vs Slug



Right In: 8422.717+/-2.291 χ^2/NDF: 881833.9/15

Left Out: 9172.161+/-1.547 χ^2/NDF:1056932.0/22

Right Out: 7978.997+/-2.170 χ^2/NDF: 1016019.0/18

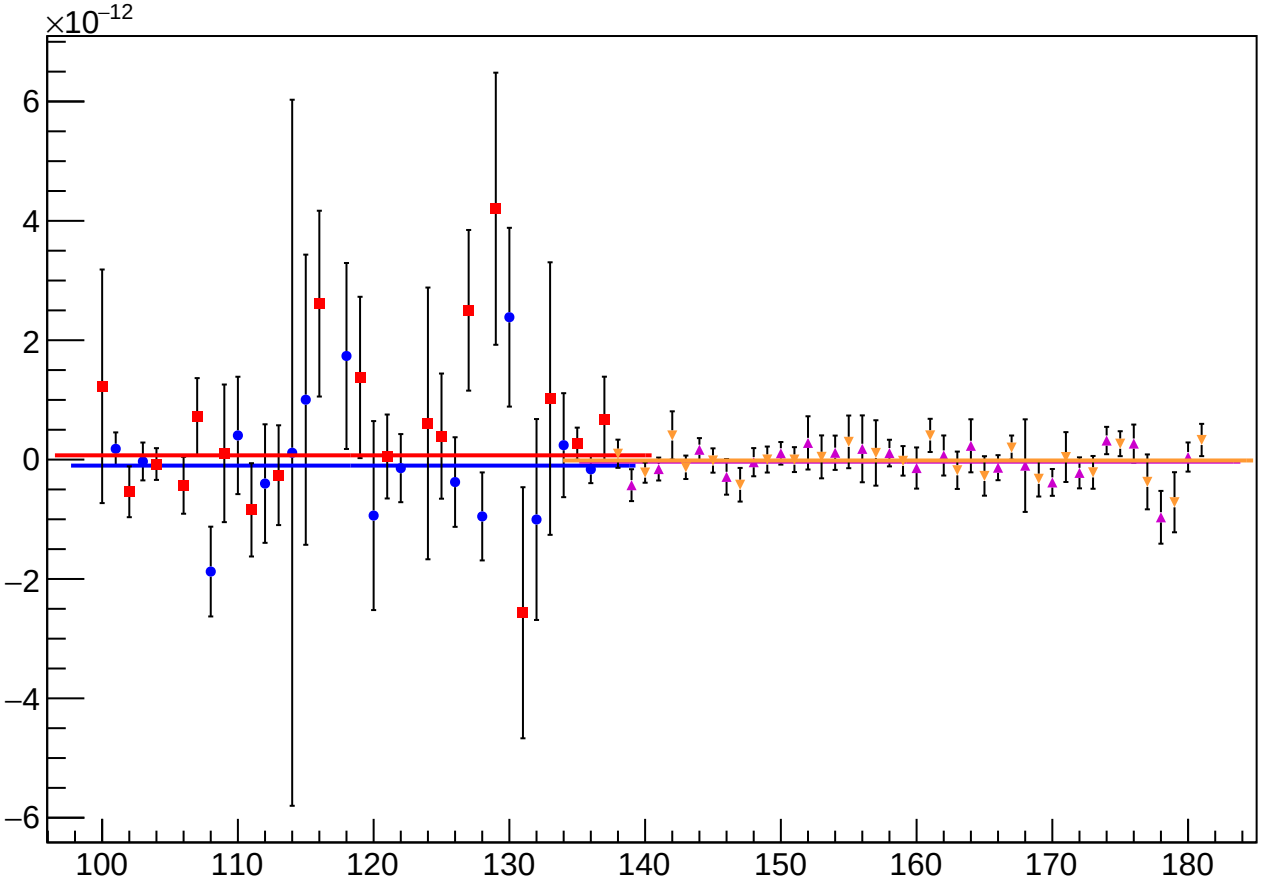
Left In: 9199.479+/-1.597 χ^2/NDF:1119575.0/20

+ sign 8937.464+/-1.282 χ^2/NDF: 2012276.8/38

All: 8854.282+/-0.908 χ^2/NDF: 4361508.3/78

- sign 8770.528+/-1.286 χ^2/NDF: 2340782.0/39

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:17.6/22

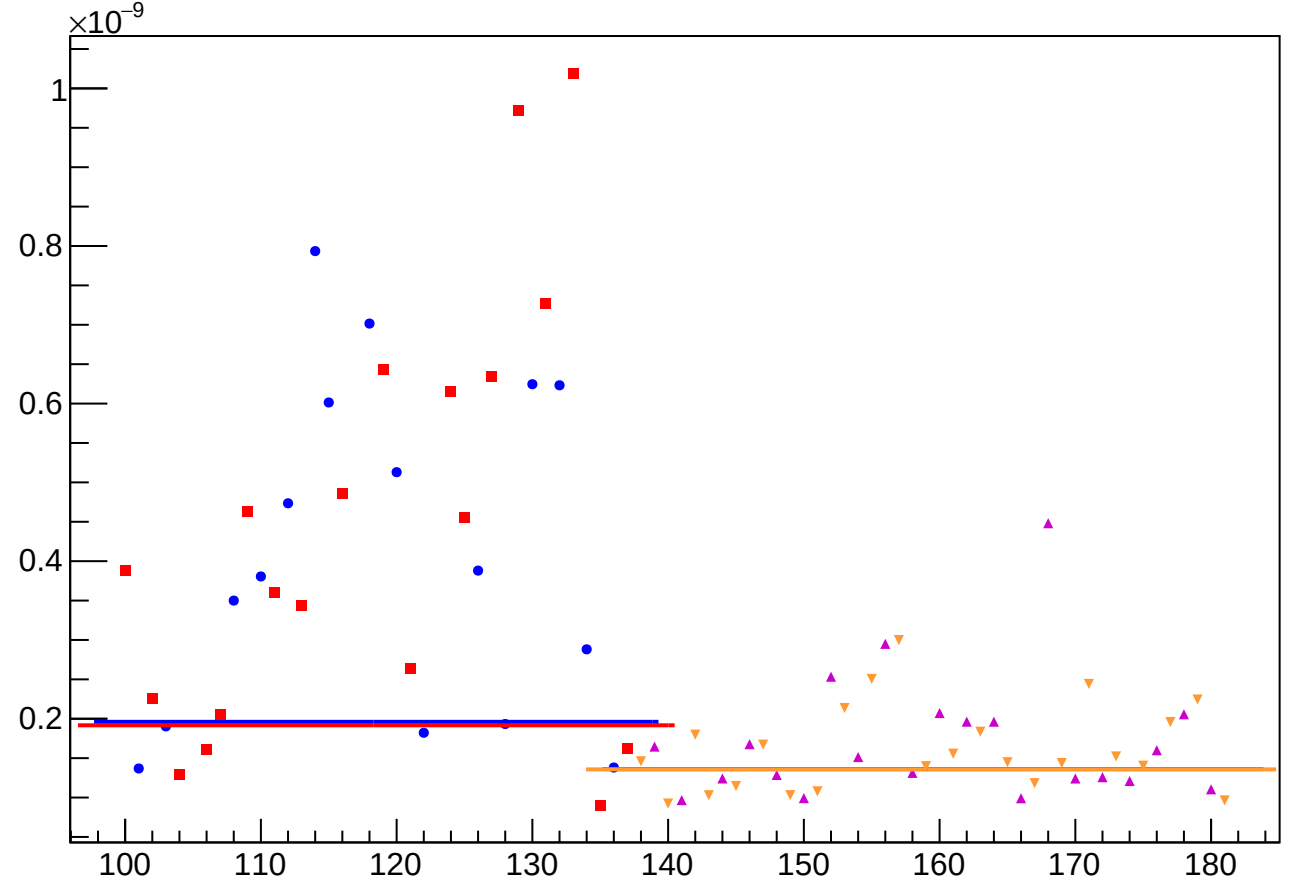
Right Out: 0.000+/-0.000 χ^2/NDF: 19.6/18

Left In: -0.000+/-0.000 χ^2/NDF:17.8/20

+ sign -0.000+/-0.000 χ^2/NDF: 31.6/38

All: -0.000+/-0.000 χ^2/NDF: 69.5/78

- sign -0.000+/-0.000 χ^2/NDF: 37.9/39



Right In: 0.000+/-0.000 χ^2/NDF: 1342263.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:1105890.9/22

Right Out: 0.000+/-0.000 χ^2/NDF: 2066454.3/18

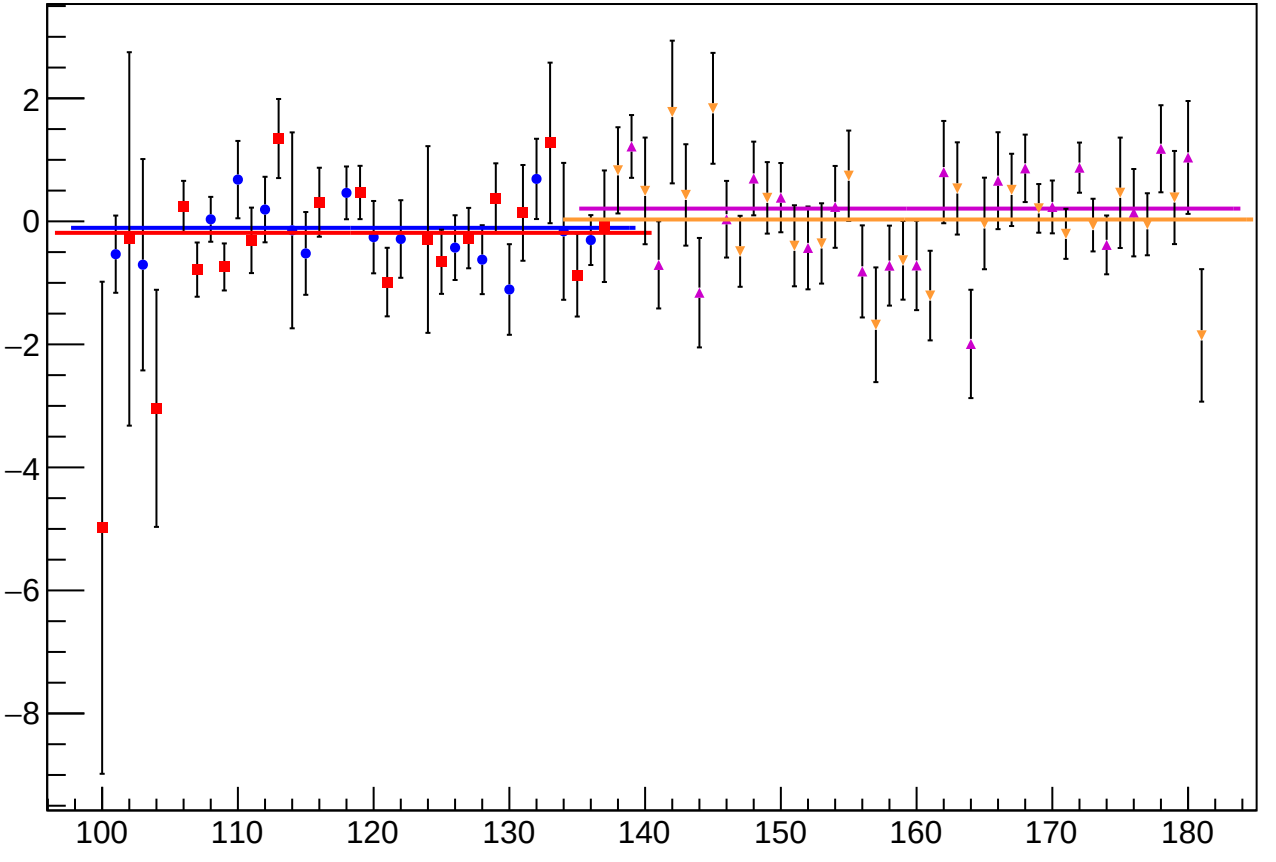
Left In: 0.000+/-0.000 χ^2/NDF:1192972.7/20

+ sign 0.000+/-0.000 χ^2/NDF: 2793928.3/38

All: 0.000+/-0.000 χ^2/NDF: 6324616.6/78

- sign 0.000+/-0.000 χ^2/NDF: 3530685.3/39

asym_atr2_dit_vs_cor_diff_mean vs Slug



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.030+/-0.133 χ^2/NDF:23.6/22

Right Out: -0.187+/-0.137 χ^2/NDF: 23.9/18

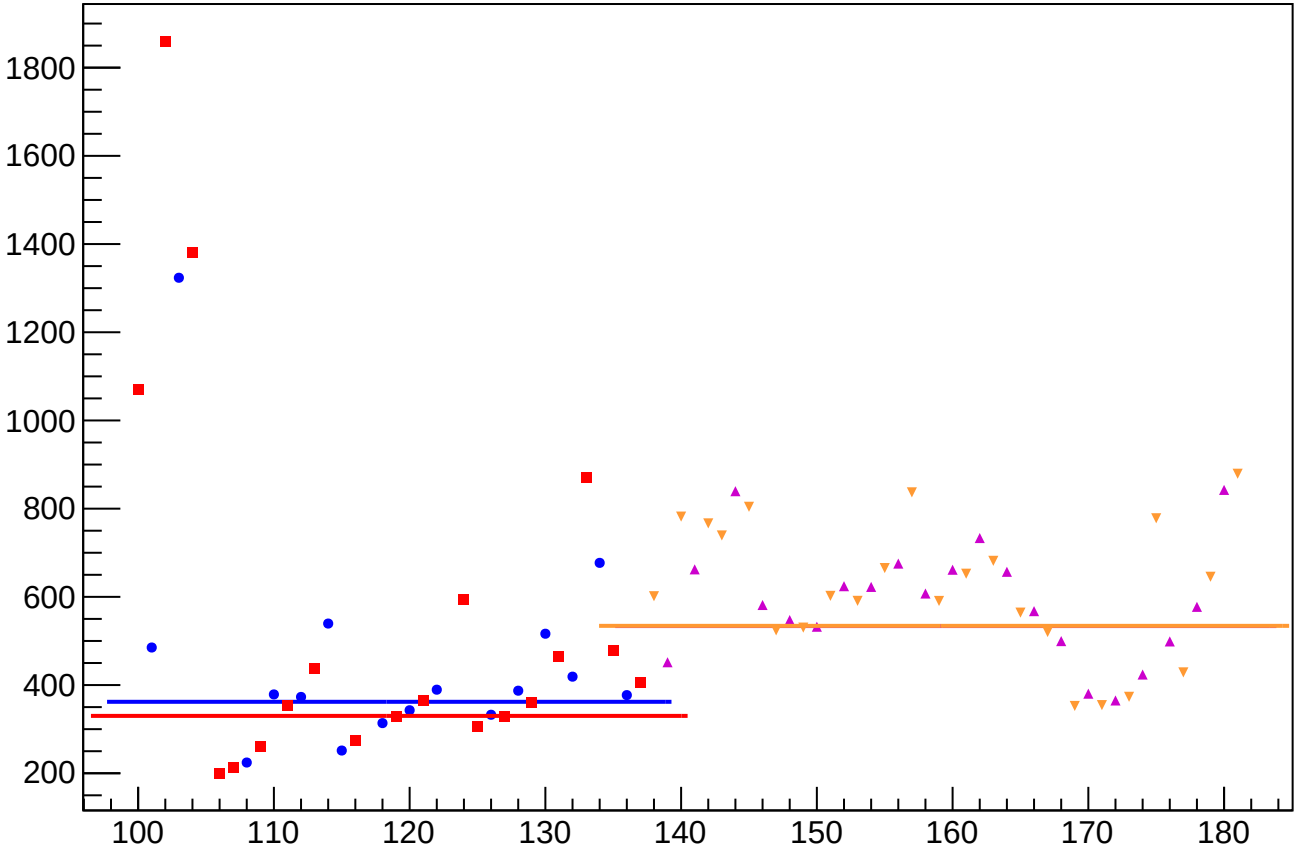
Left In: 0.207+/-0.135 χ^2/NDF:30.6/20

+ sign -0.032+/-0.098 χ^2/NDF: 33.8/38

All: -0.009+/-0.069 χ^2/NDF: 92.5/78

- sign 0.014+/-0.096 χ^2/NDF: 58.7/39

asym_atr2_dit_vs_cor_diff_rms vs Slug



Right In: 362.037+/-0.102 χ^2/NDF: 1377330.2/15

Left Out: 534.267+/-0.094 χ^2/NDF:2605896.7/22

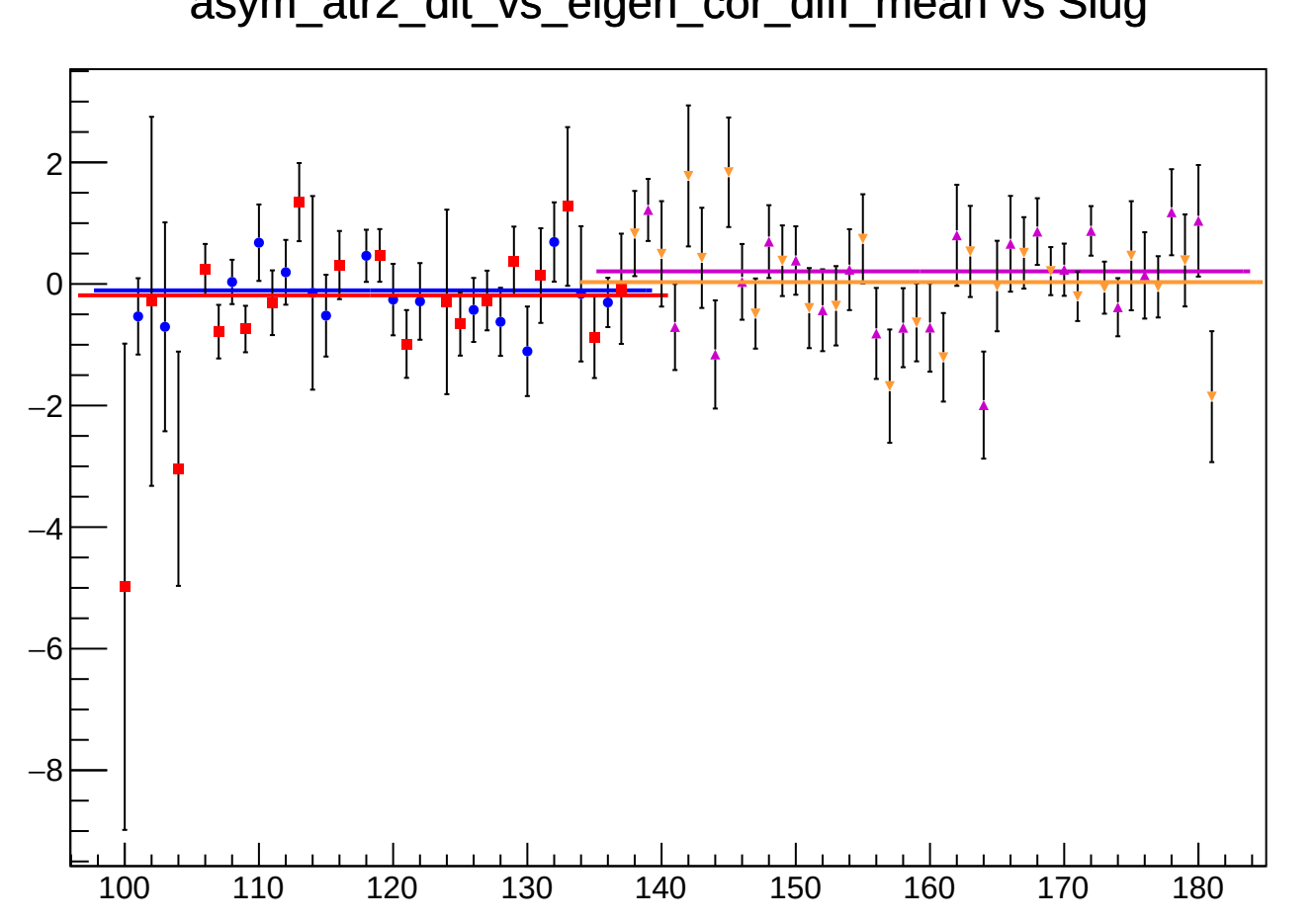
Right Out: 330.084+/-0.097 χ^2/NDF: 2246513.0/18

Left In: 533.775+/-0.096 χ^2/NDF:1705142.3/20

+ sign 455.687+/-0.069 χ^2/NDF: 5524213.8/38

All: 444.506+/-0.049 χ^2/NDF: 11761718.2/78

- sign 433.640+/-0.068 χ^2/NDF: 6185889.4/39



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.030+/-0.133 χ^2/NDF:23.6/22

Right Out: -0.187+/-0.137 χ^2/NDF: 23.9/18

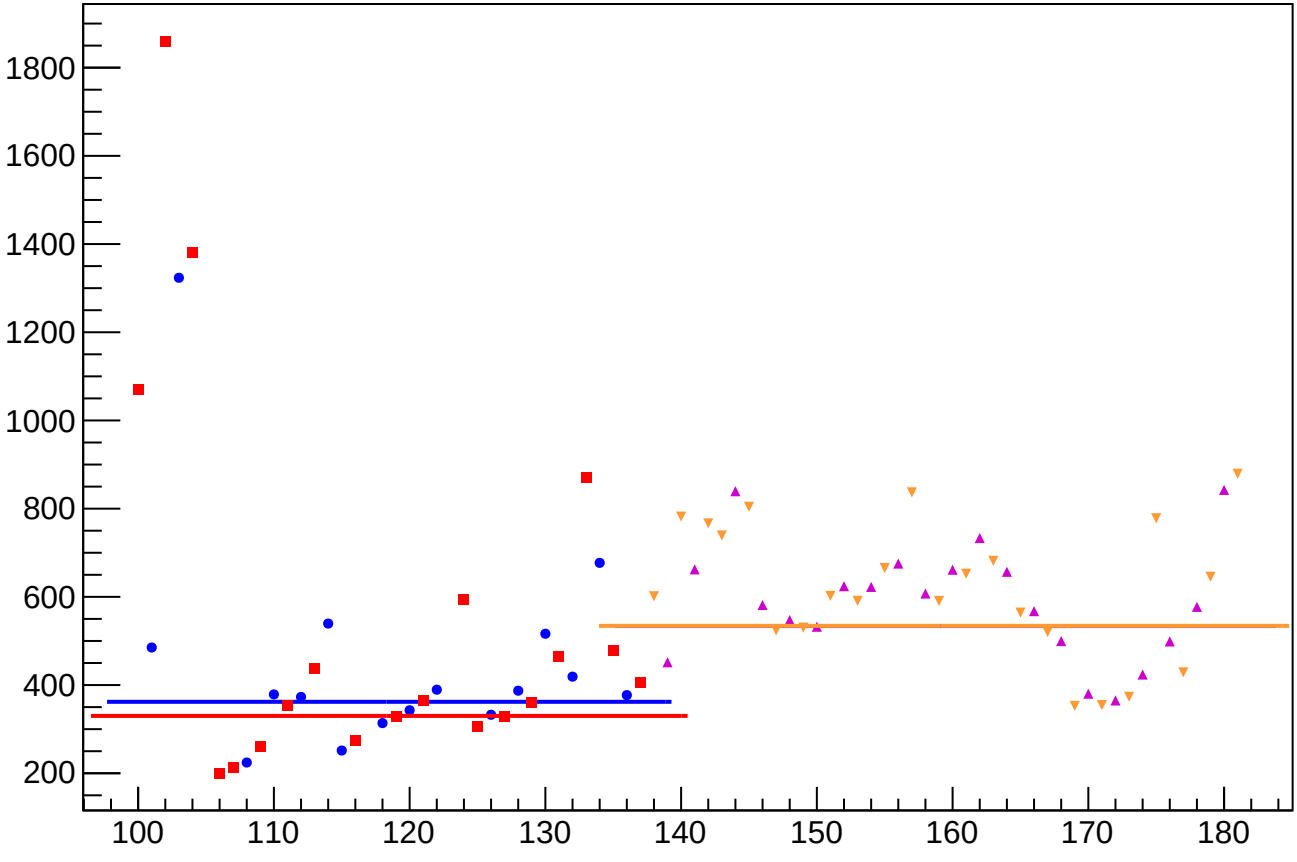
Left In: 0.207+/-0.135 χ^2/NDF:30.6/20

+ sign -0.032+/-0.098 χ^2/NDF: 33.8/38

All: -0.009+/-0.069 χ^2/NDF: 92.5/78

- sign 0.014+/-0.096 χ^2/NDF: 58.7/39

asym_atr2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 362.037+/-0.102 χ^2/NDF: 1377330.2/15

Left Out: 534.267+/-0.094 χ^2/NDF:2605896.7/22

Right Out: 330.084+/-0.097 χ^2/NDF: 2246513.0/18

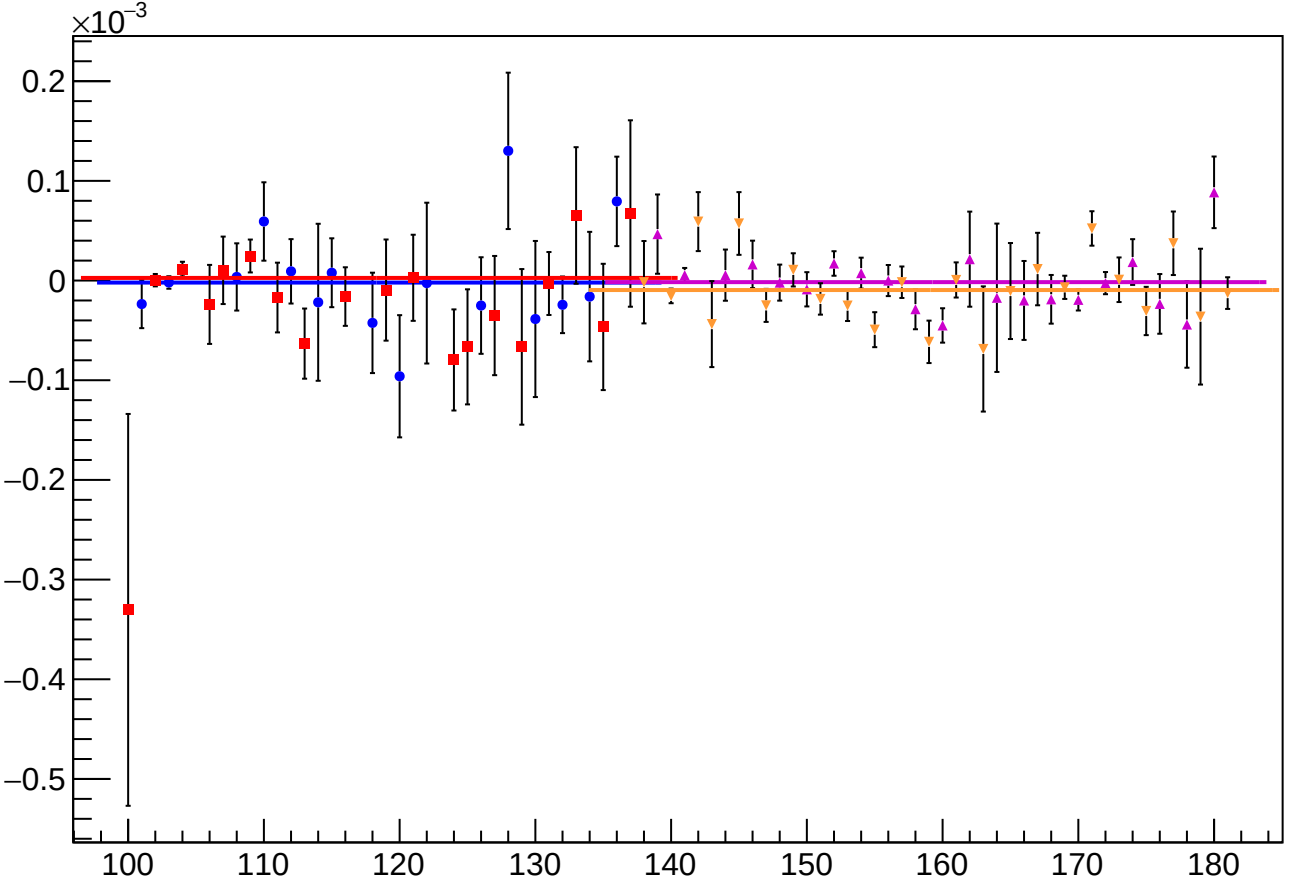
Left In: 533.775+/-0.096 χ^2/NDF:1705142.3/20

+ sign 455.687+/-0.069 χ^2/NDF: 5524213.8/38

All: 444.506+/-0.049 χ^2/NDF: 11761718.2/78

- sign 433.640+/-0.068 χ^2/NDF: 6185889.4/39

asym_atr2_eigen_dit_vs_dit_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:43.9/22

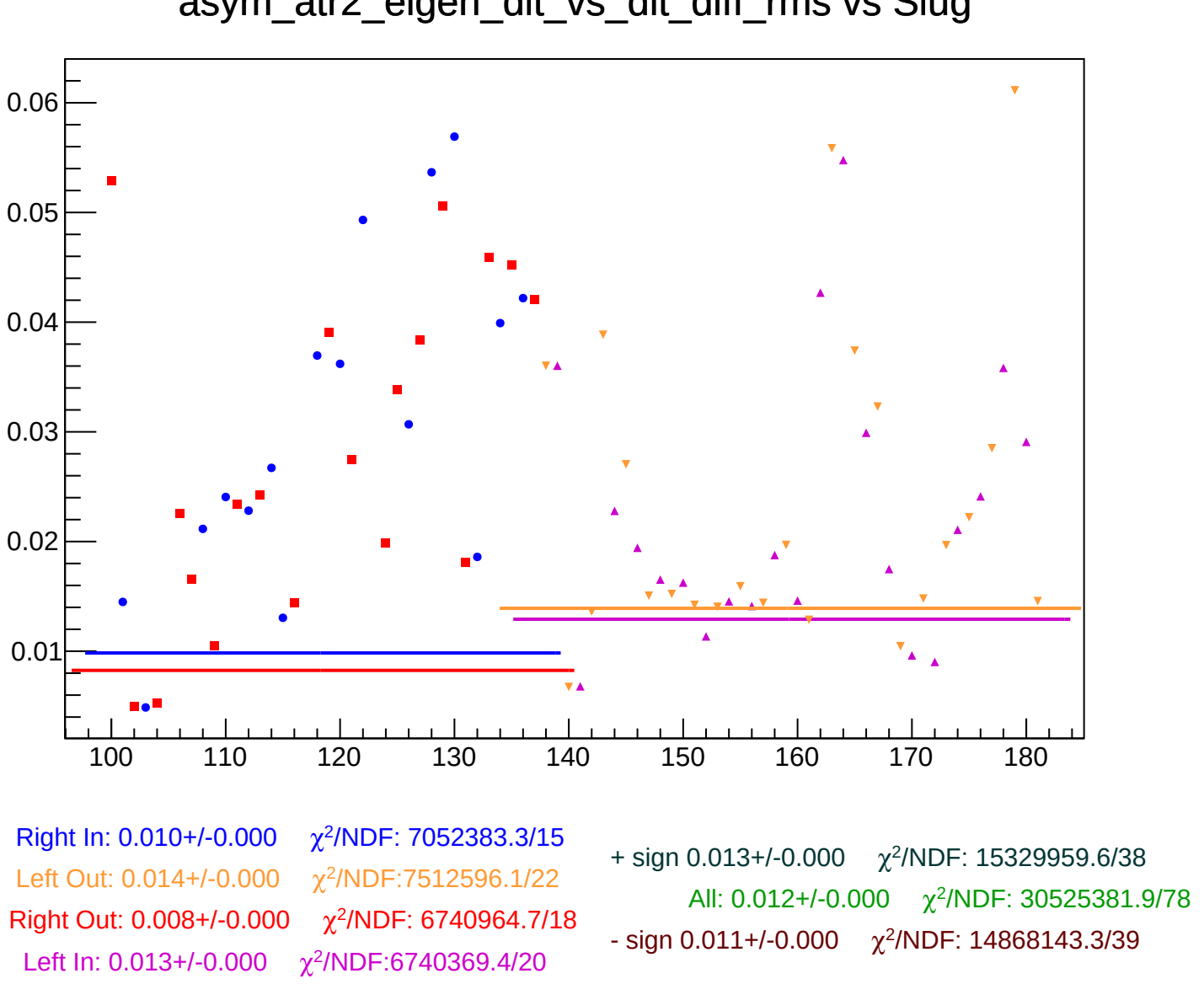
Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

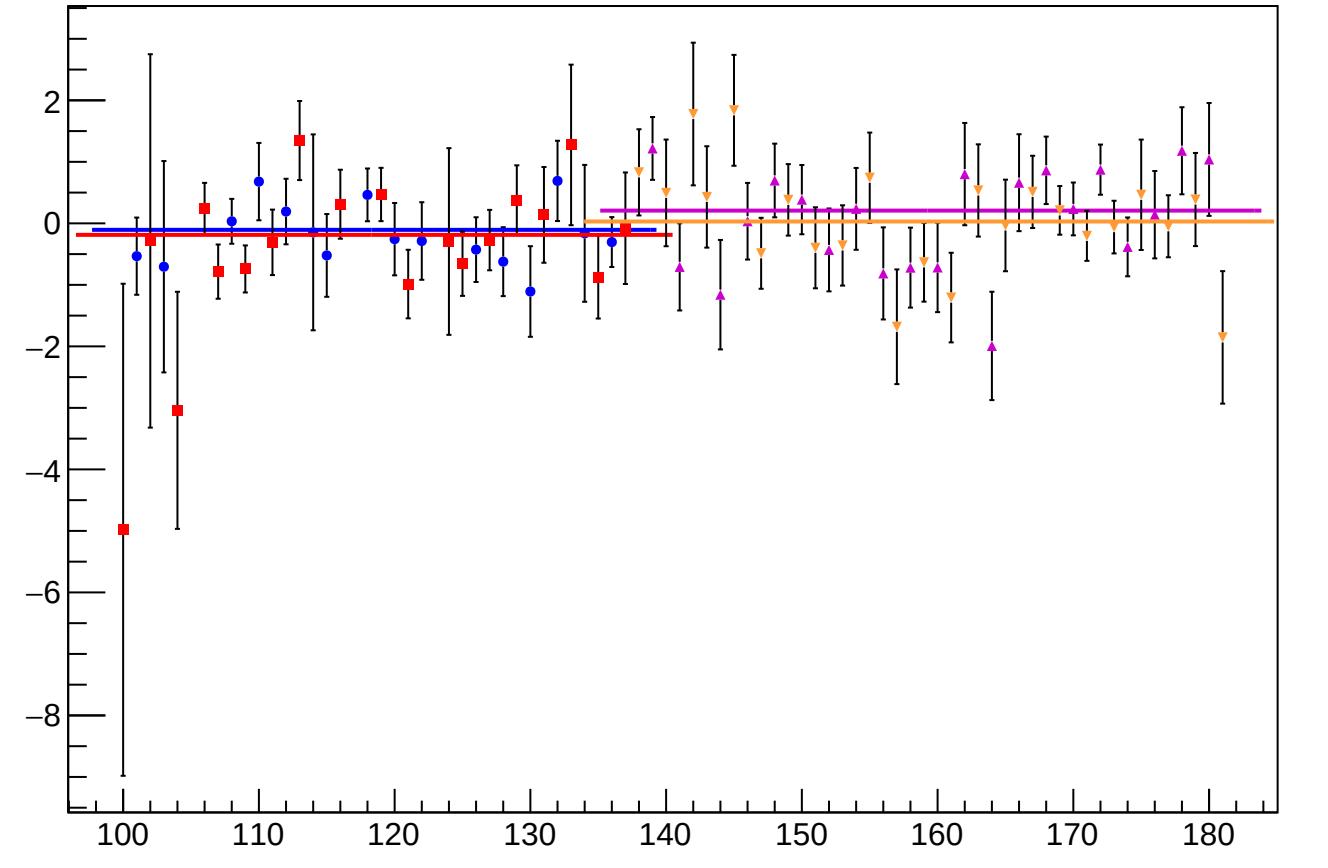
Left In: -0.000+/-0.000 χ^2/NDF:26.3/20

+ sign -0.000+/-0.000 χ^2/NDF: 59.0/38

All: -0.000+/-0.000 χ^2/NDF: 107.2/78

- sign 0.000+/-0.000 χ^2/NDF: 45.1/39


asym_atr2_eigen_dit_vs_dit_diff_rms vs Slug
0.06
0.05
0.04
0.03
0.02
0.01
100
110
120
130
140
150
160
170
180
Right In: 0.010+/-0.000 χ²/NDF: 7052383.3/15
Left Out: 0.014+/-0.000 χ²/NDF:7512596.1/22
Right Out: 0.008+/-0.000 χ²/NDF: 6740964.7/18
Left In: 0.013+/-0.000 χ²/NDF:6740369.4/20
+ sign 0.013+/-0.000 χ²/NDF: 15329959.6/38
All: 0.012+/-0.000 χ²/NDF: 30525381.9/78
- sign 0.011+/-0.000 χ²/NDF: 14868143.3/39



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.030+/-0.133 χ^2/NDF:23.6/22

Right Out: -0.187+/-0.137 χ^2/NDF: 23.9/18

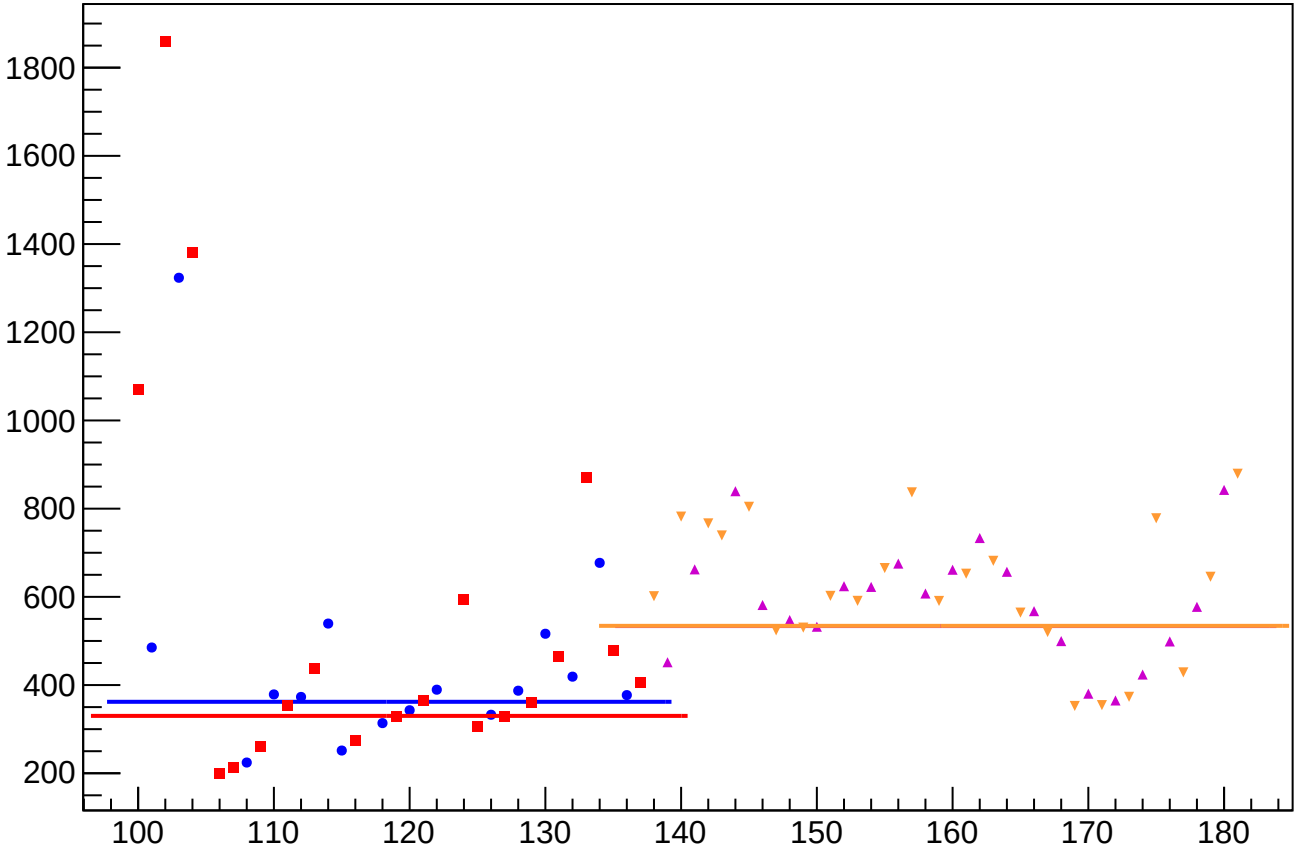
Left In: 0.207+/-0.135 χ^2/NDF:30.6/20

+ sign -0.032+/-0.098 χ^2/NDF: 33.8/38

All: -0.009+/-0.069 χ^2/NDF: 92.5/78

- sign 0.014+/-0.096 χ^2/NDF: 58.7/39

asym_atr2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 362.034+/-0.102 χ^2/NDF: 1377333.3/15

Left Out: 534.272+/-0.094 χ^2/NDF:2605987.8/22

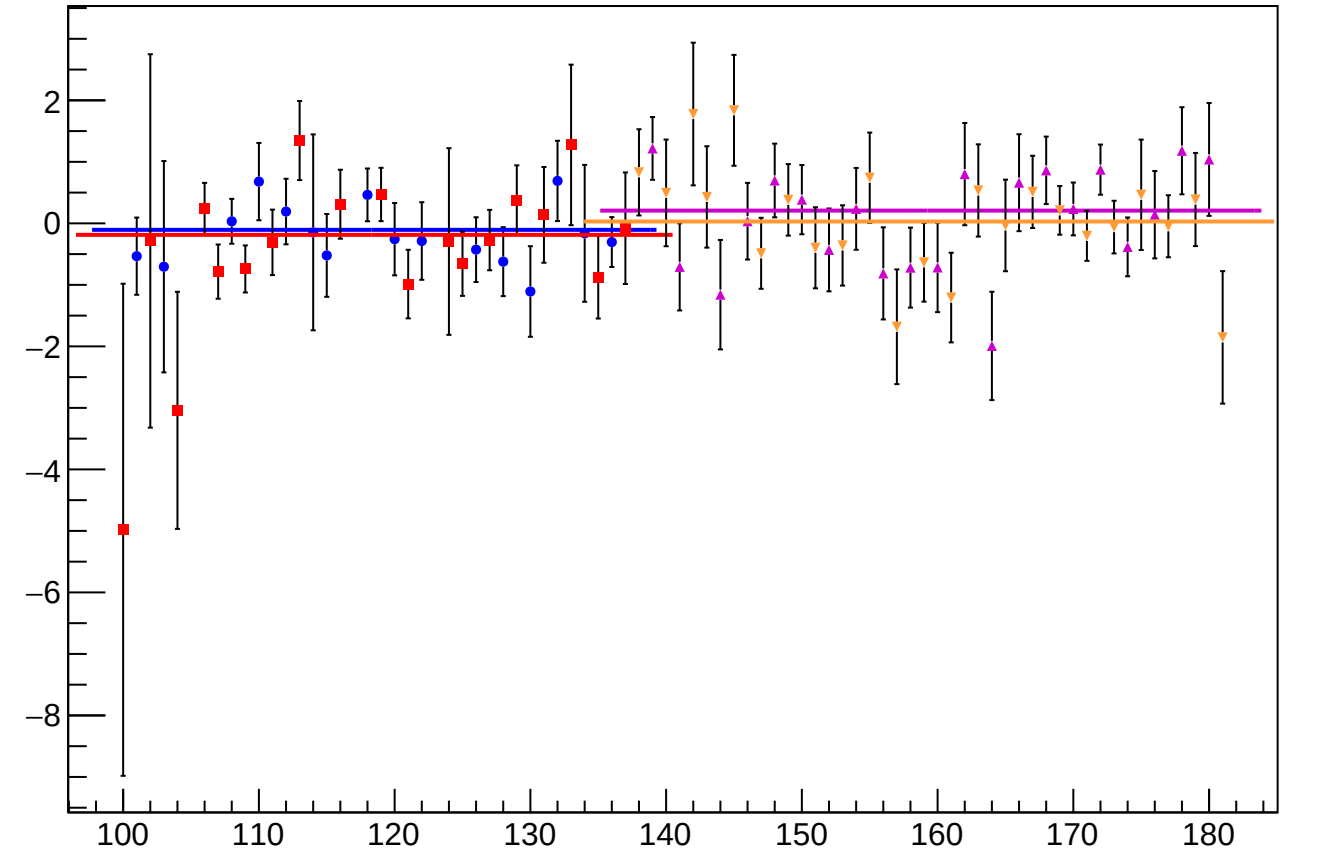
Right Out: 330.082+/-0.097 χ^2/NDF: 2246503.8/18

Left In: 533.780+/-0.096 χ^2/NDF:1705189.2/20

+ sign 455.686+/-0.069 χ^2/NDF: 5524432.2/38

All: 444.506+/-0.049 χ^2/NDF: 11762099.4/78

- sign 433.641+/-0.068 χ^2/NDF: 6186055.7/39



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.030+/-0.133 χ^2/NDF:23.6/22

Right Out: -0.187+/-0.137 χ^2/NDF: 23.9/18

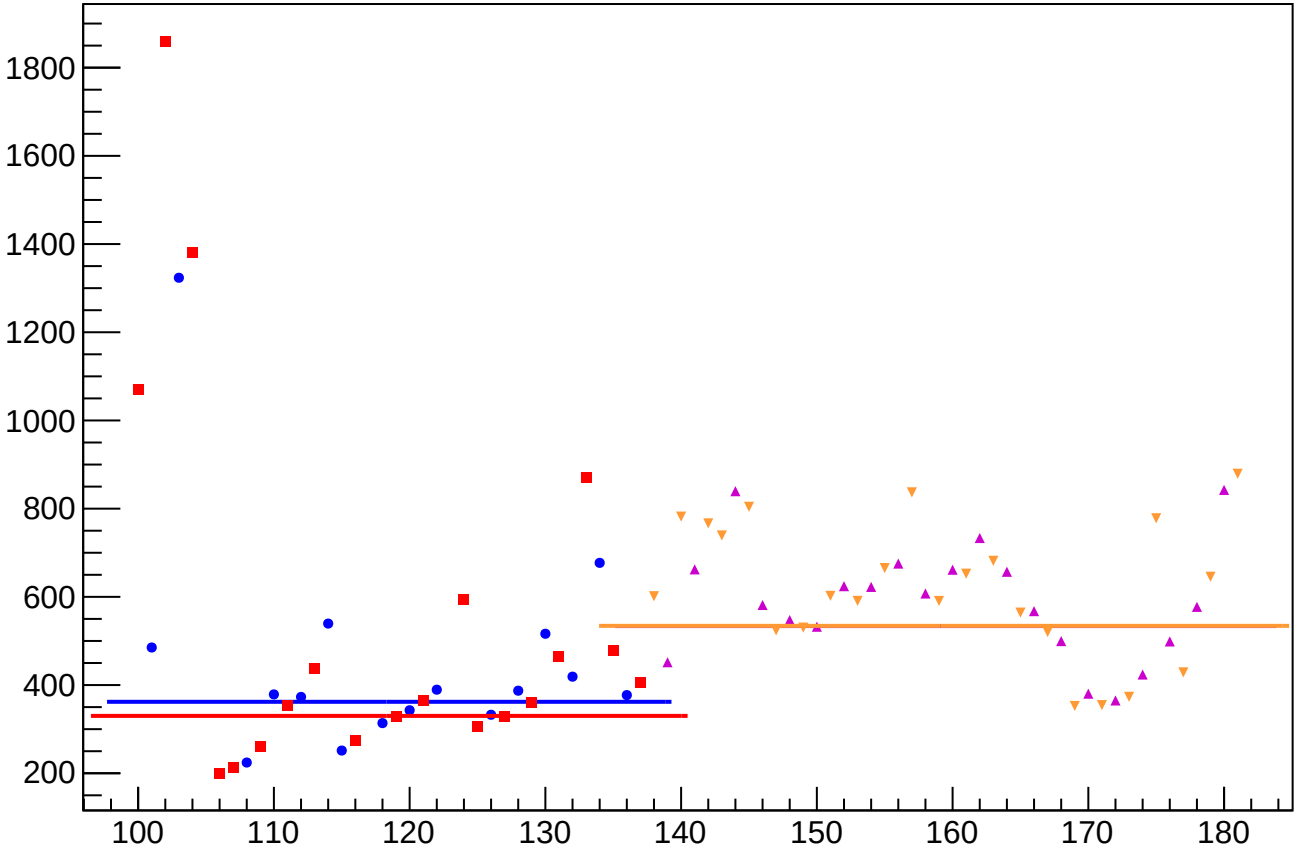
Left In: 0.207+/-0.135 χ^2/NDF:30.6/20

+ sign -0.032+/-0.098 χ^2/NDF: 33.8/38

All: -0.009+/-0.069 χ^2/NDF: 92.5/78

- sign 0.014+/-0.096 χ^2/NDF: 58.7/39

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: 534.272+/-0.094 χ^2/NDF:2605987.8/22

Right Out: 330.082+/-0.097 χ^2/NDF: 2246503.8/18

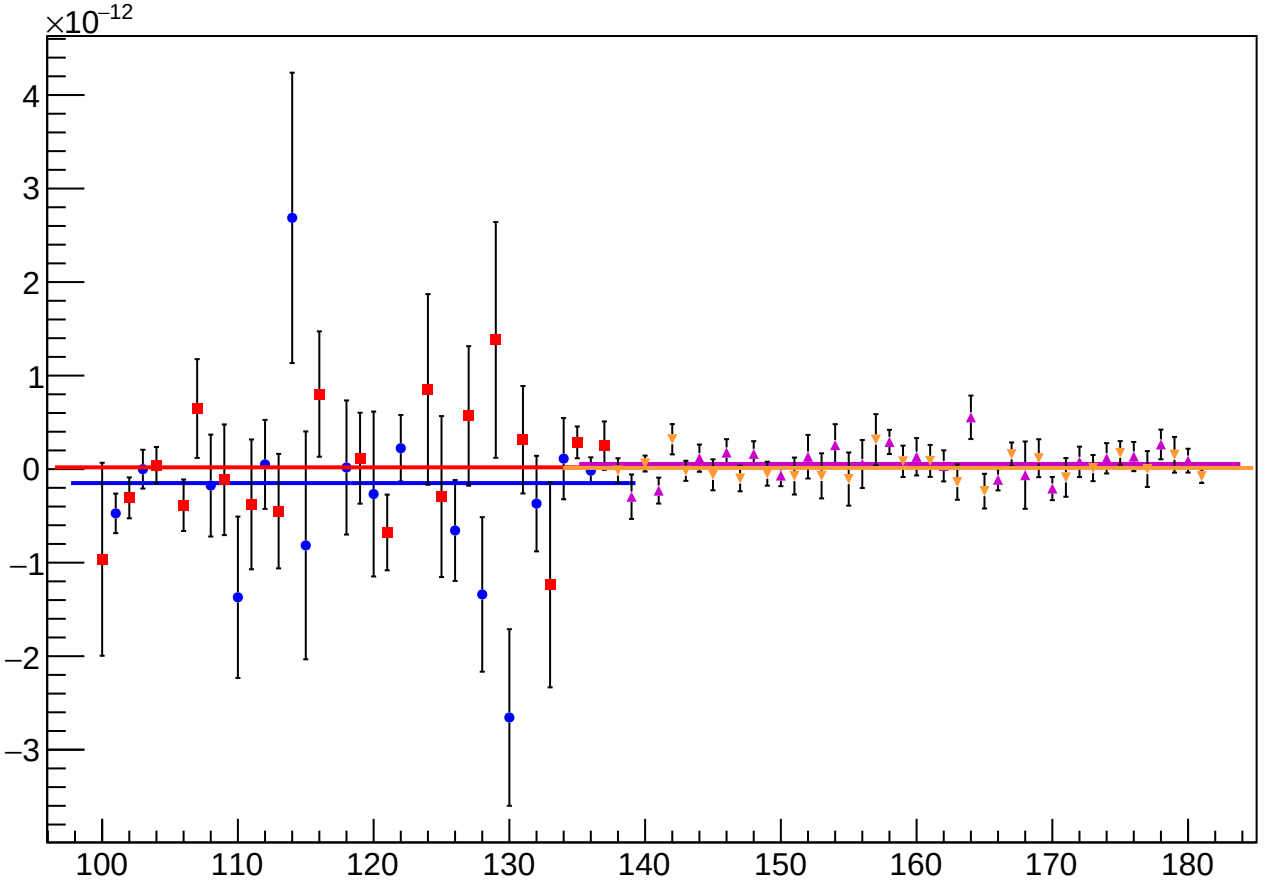
Left In: 533.780+/-0.096 χ^2/NDF:1705189.2/20

+ sign 455.686+/-0.069 χ^2/NDF: 5524432.2/38

All: 444.506+/-0.049 χ^2/NDF: 11762099.4/78

- sign 433.641+/-0.068 χ^2/NDF: 6186055.7/39

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:15.1/22

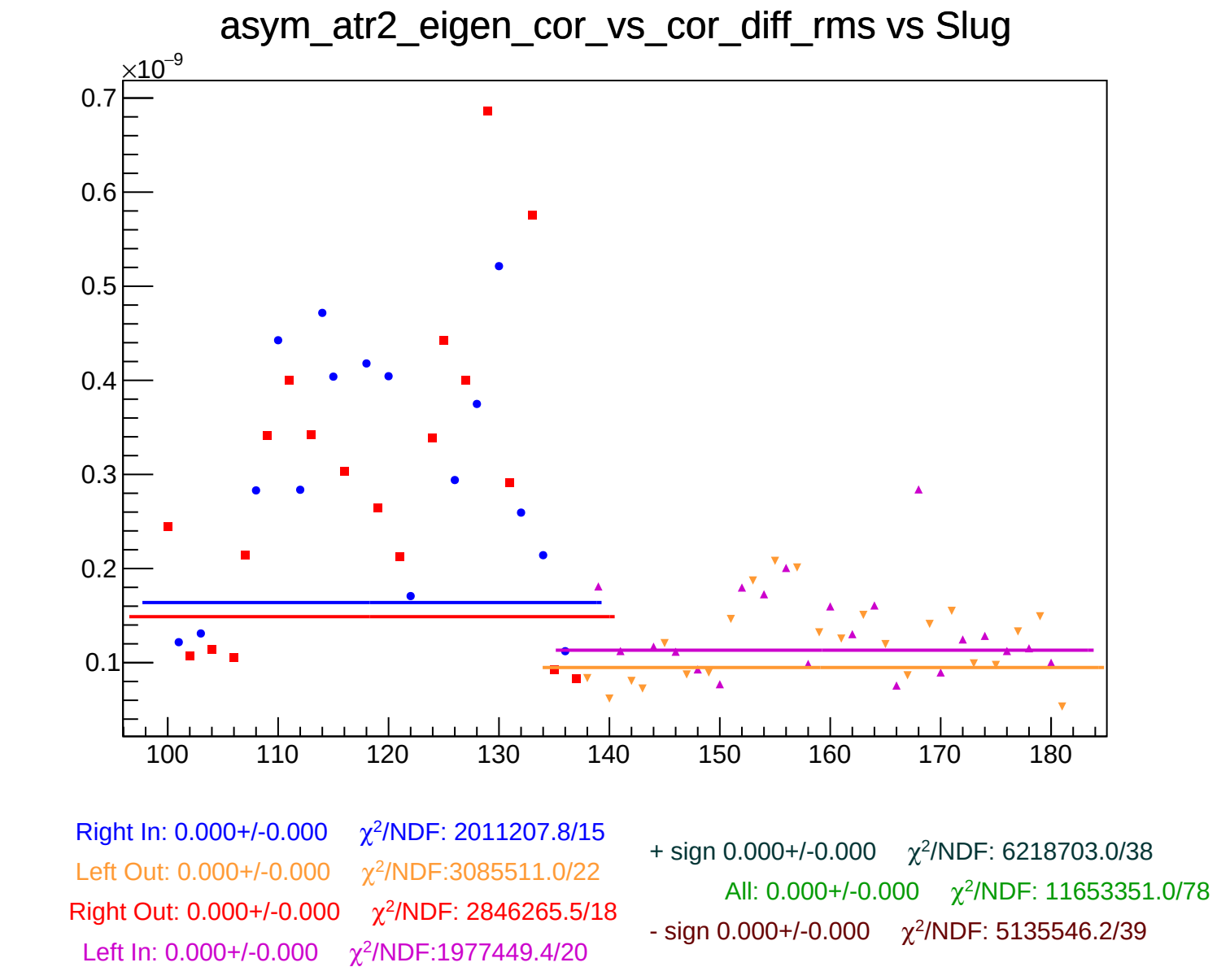
Right Out: 0.000+/-0.000 χ^2/NDF: 19.4/18

Left In: 0.000+/-0.000 χ^2/NDF:27.1/20

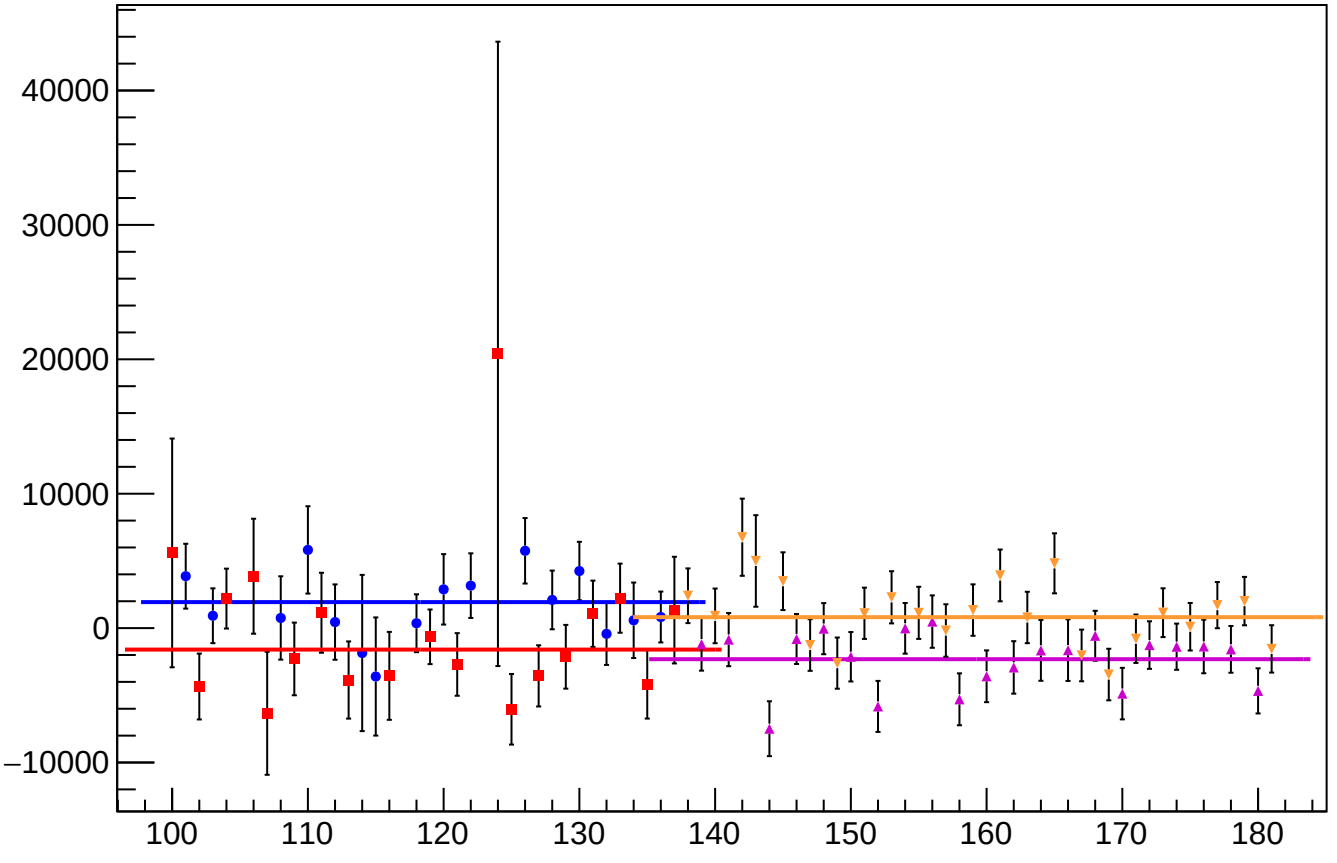
+ sign -0.000+/-0.000 χ^2/NDF: 39.5/38

All: 0.000+/-0.000 χ^2/NDF: 87.8/78

- sign 0.000+/-0.000 χ^2/NDF: 46.7/39


asym_atr2_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
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: 2011207.8/15
Left Out: 0.000+/-0.000 χ²/NDF:3085511.0/22
Right Out: 0.000+/-0.000 χ²/NDF: 2846265.5/18
Left In: 0.000+/-0.000 χ²/NDF:1977449.4/20
+ sign 0.000+/-0.000 χ²/NDF: 6218703.0/38
All: 0.000+/-0.000 χ²/NDF: 11653351.0/78
- sign 0.000+/-0.000 χ²/NDF: 5135546.2/39

reg_asym_atl_avg_mean vs Slug



Right In: 1934.755+/-627.874 χ^2/NDF: 10.9/15

Left Out: 813.801+/-408.883 χ^2/NDF:29.8/22

Right Out: -1597.959+/-642.207 χ^2/NDF: 19.4/18

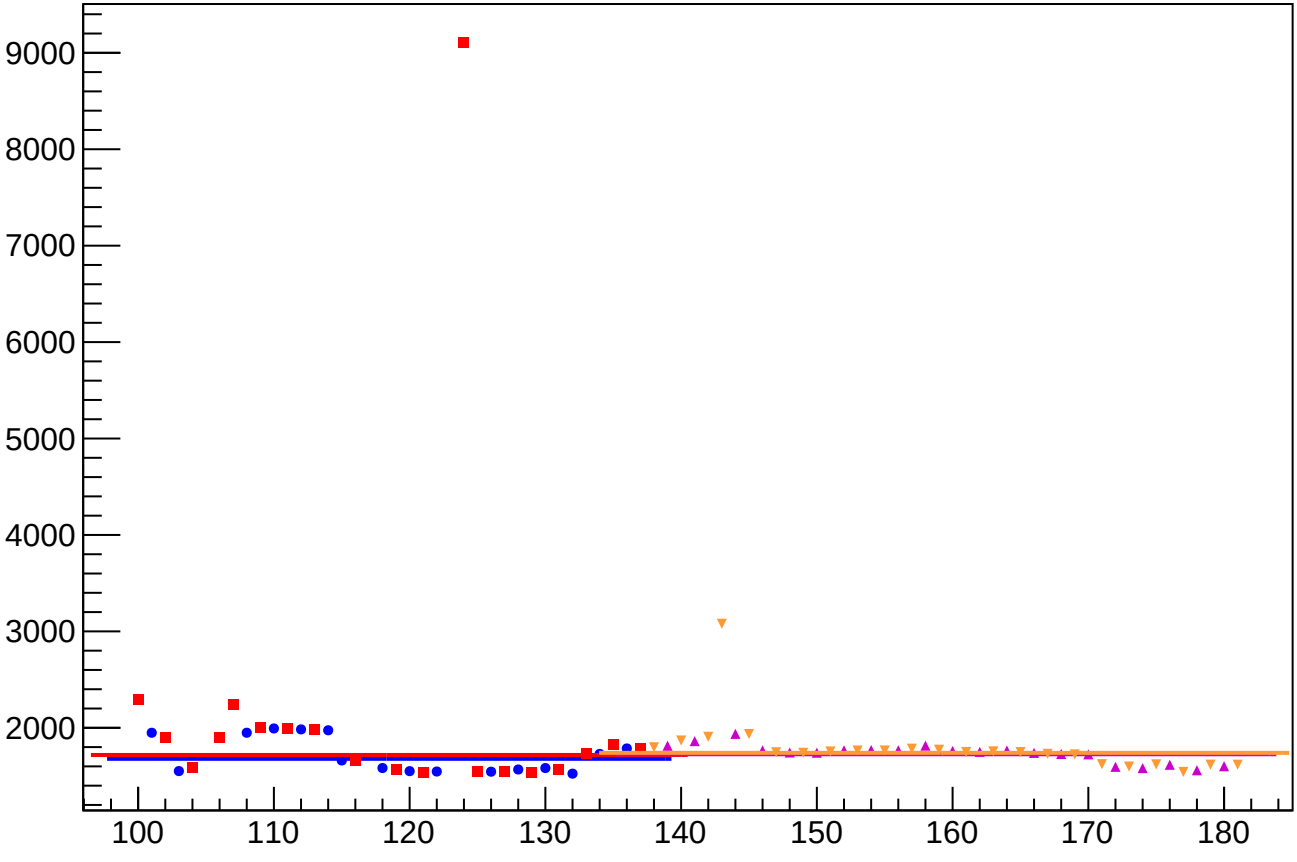
Left In: -2312.580+/-416.078 χ^2/NDF:25.1/20

+ sign 1147.615+/-342.634 χ^2/NDF: 42.9/38

All: -446.036+/-244.565 χ^2/NDF: 132.4/78

- sign -2101.298+/-349.195 χ^2/NDF: 45.4/39

reg_asym_atl_avg_rms vs Slug



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.6/15

Left Out: 1740.409+/-0.289 χ^2/NDF:419400.7/22

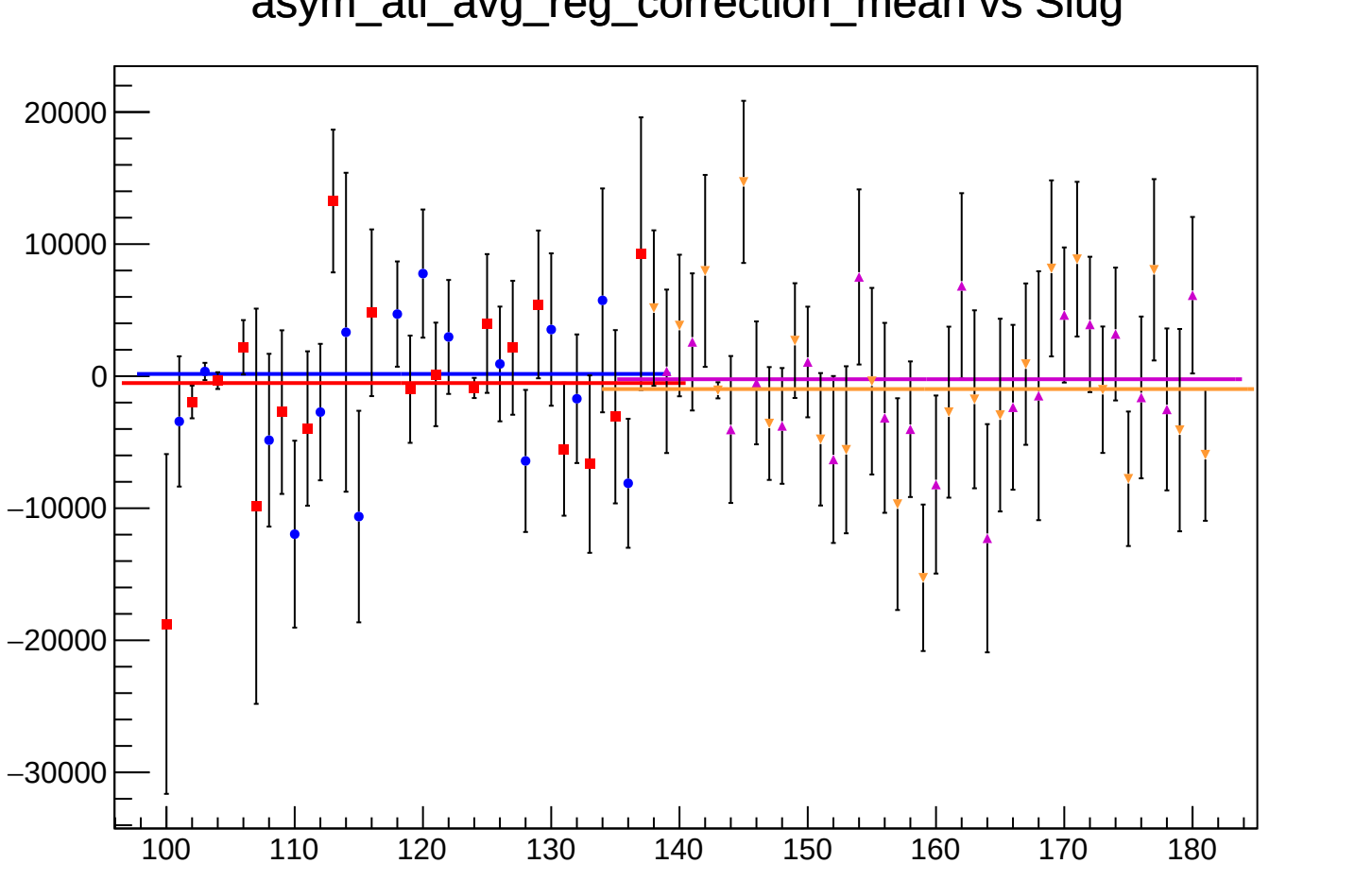
Right Out: 1718.312+/-0.452 χ^2/NDF: 383179.3/18

Left In: 1725.519+/-0.294 χ^2/NDF:104846.1/20

+ sign 1721.986+/-0.242 χ^2/NDF: 574518.5/38

All: 1722.668+/-0.173 χ^2/NDF: 1062738.6/78

- sign 1723.374+/-0.247 χ^2/NDF: 488204.0/39



Right In: 168.283+/-591.607 χ^2/NDF: 15.8/15

Left Out: -976.257+/-547.410 χ^2/NDF:29.6/22

Right Out: -521.080+/-424.783 χ^2/NDF: 18.5/18

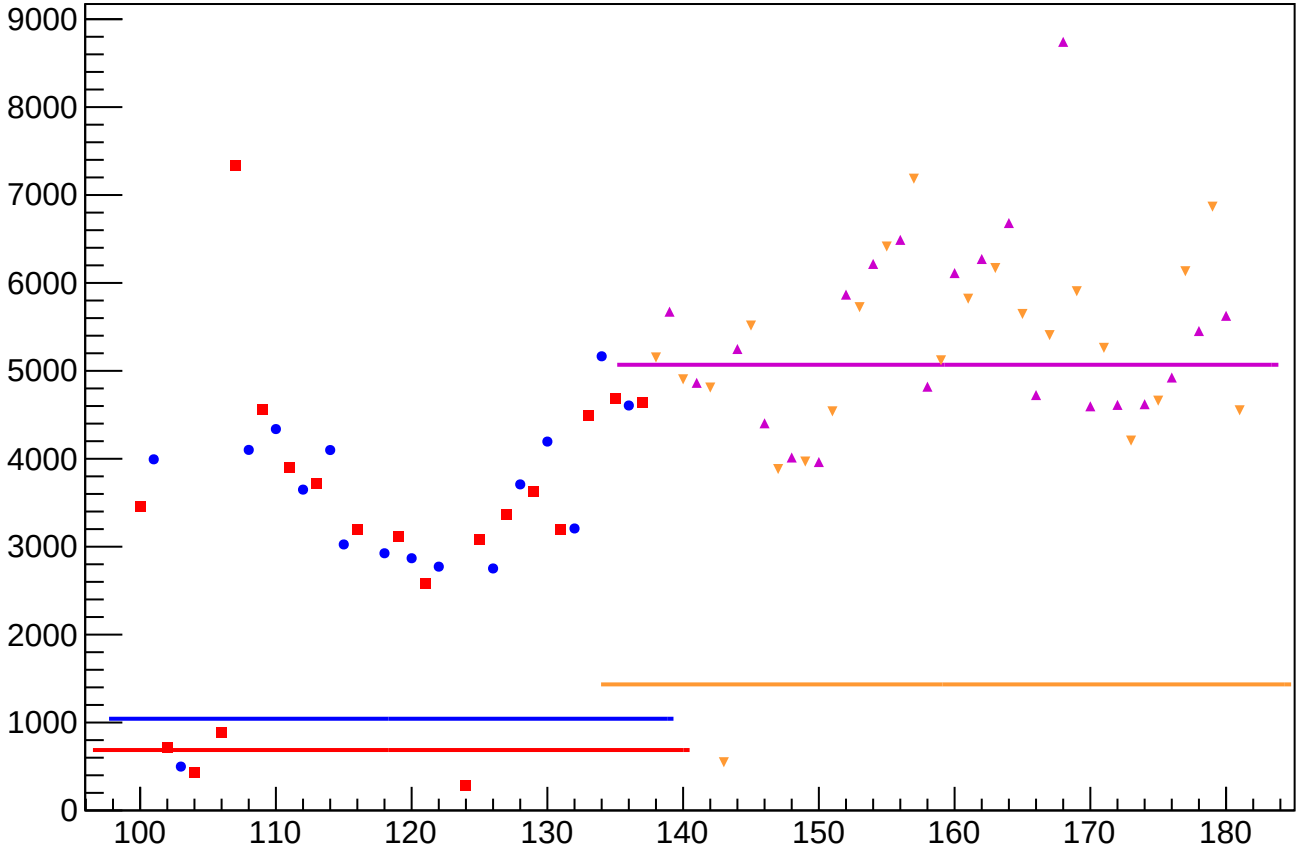
Left In: -231.352+/-1244.266 χ^2/NDF:12.4/20

+ sign -448.332+/-401.794 χ^2/NDF: 47.4/38

All: -469.574+/-284.185 χ^2/NDF: 78.4/78

- sign -490.838+/-402.002 χ^2/NDF: 31.0/39

asym_atl_avg_reg_correction_rms vs Slug



Right In: 1043.117+/-0.418 χ^2/NDF: 8111897.6/15

Left Out: 1433.835+/-0.387 χ^2/NDF:22457449.7/22

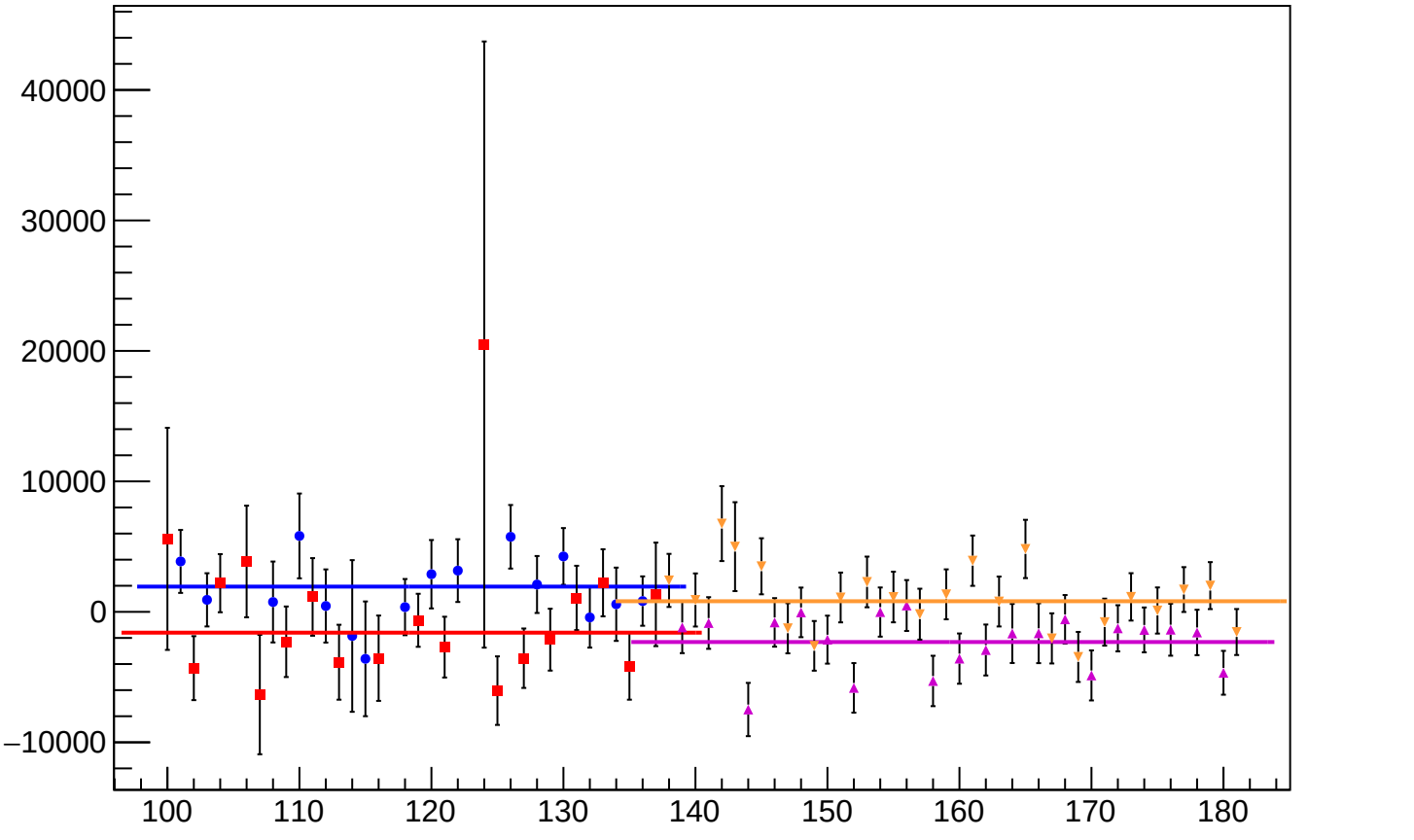
Right Out: 687.329+/-0.300 χ^2/NDF: 8631529.6/18

Left In: 5069.227+/-0.880 χ^2/NDF:1056478.9/20

+ sign 1253.614+/-0.284 χ^2/NDF: 31039321.8/38

All: 1199.198+/-0.201 χ^2/NDF: 63015933.3/7

- sign 1144.724+/-0.284 χ^2/NDF: 31903203.6/39



Right In: 1934.871+/-627.874 χ^2/NDF: 10.9/15

Left Out: 813.782+/-408.883 χ^2/NDF:29.8/22

Right Out: -1595.521+/-642.212 χ^2/NDF: 19.4/18

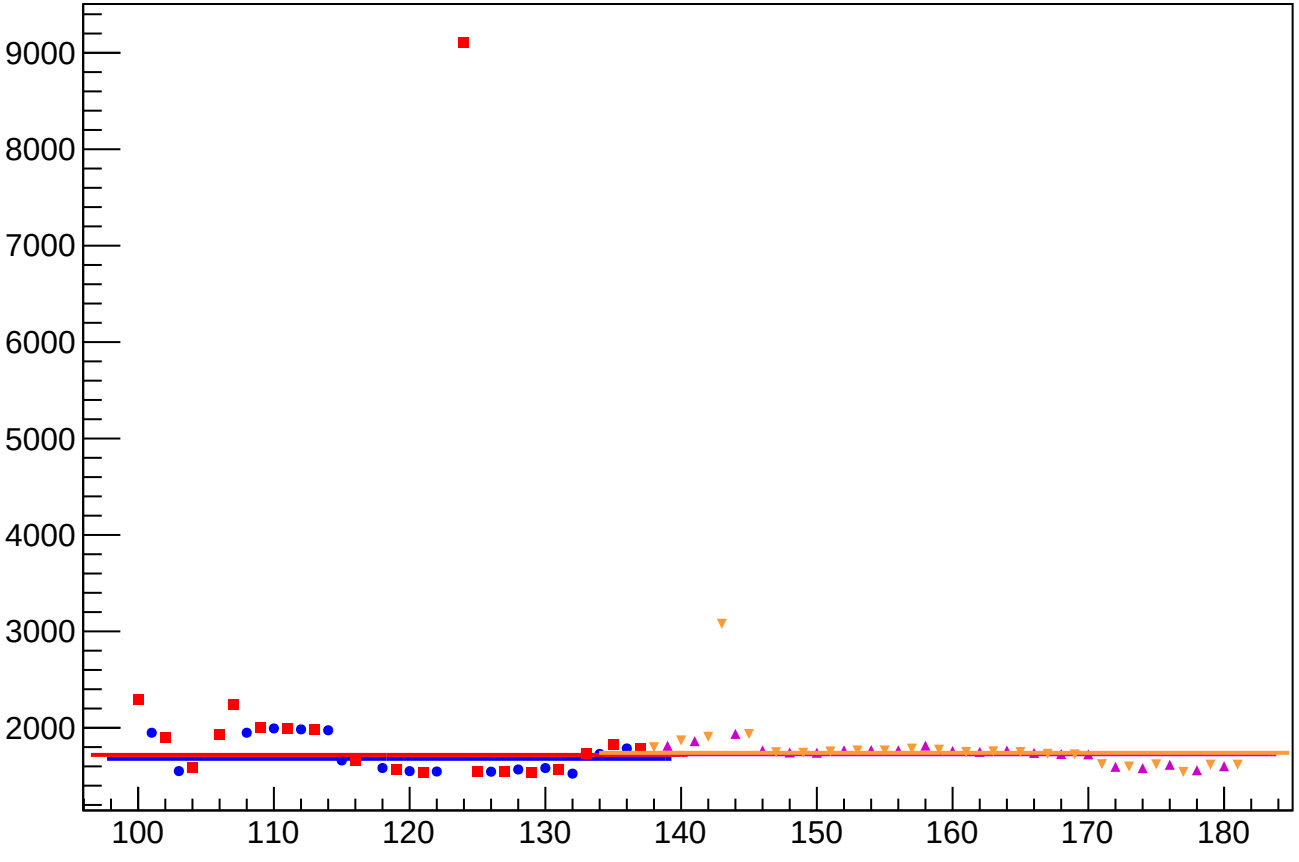
Left In: -2312.604+/-416.078 χ^2/NDF:25.1/20

+ sign 1147.636+/-342.634 χ^2/NDF: 42.9/38

All: -445.678+/-244.566 χ^2/NDF: 132.4/78

- sign -2100.597+/-349.195 χ^2/NDF: 45.4/39

cor_asym_atl_avg_rms vs Slug



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.7/15

Left Out: 1740.409+/-0.289 χ^2/NDF:419400.7/22

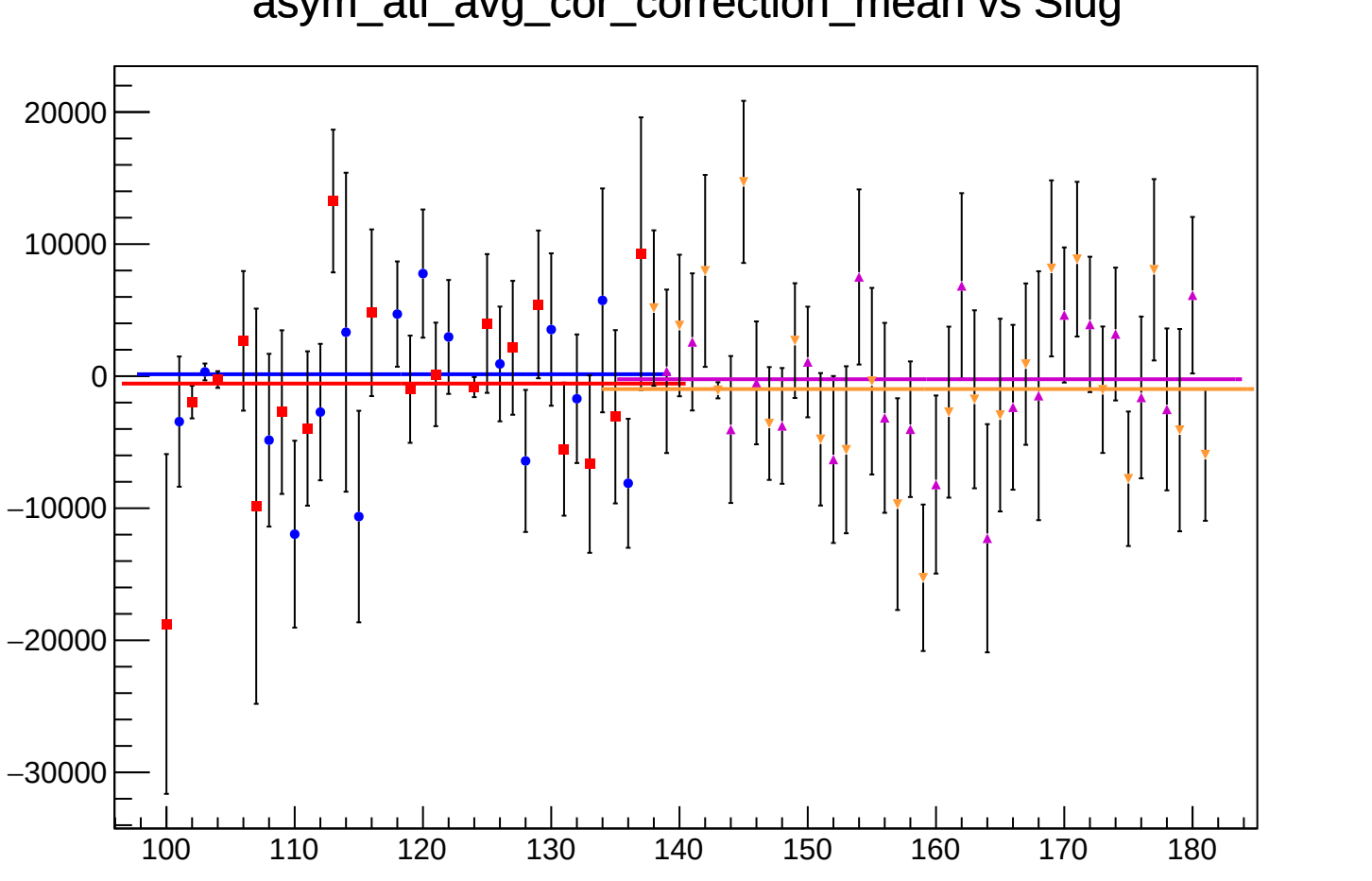
Right Out: 1719.146+/-0.452 χ^2/NDF: 384922.3/18

Left In: 1725.519+/-0.294 χ^2/NDF:104846.1/20

+ sign 1721.986+/-0.242 χ^2/NDF: 574518.6/38

All: 1722.790+/-0.173 χ^2/NDF: 1064449.0/78

- sign 1723.624+/-0.247 χ^2/NDF: 489908.0/39



Right In: 146.548+/-579.356 χ^2/NDF: 15.8/15

Left Out: -975.927+/-547.391 χ^2/NDF:29.6/22

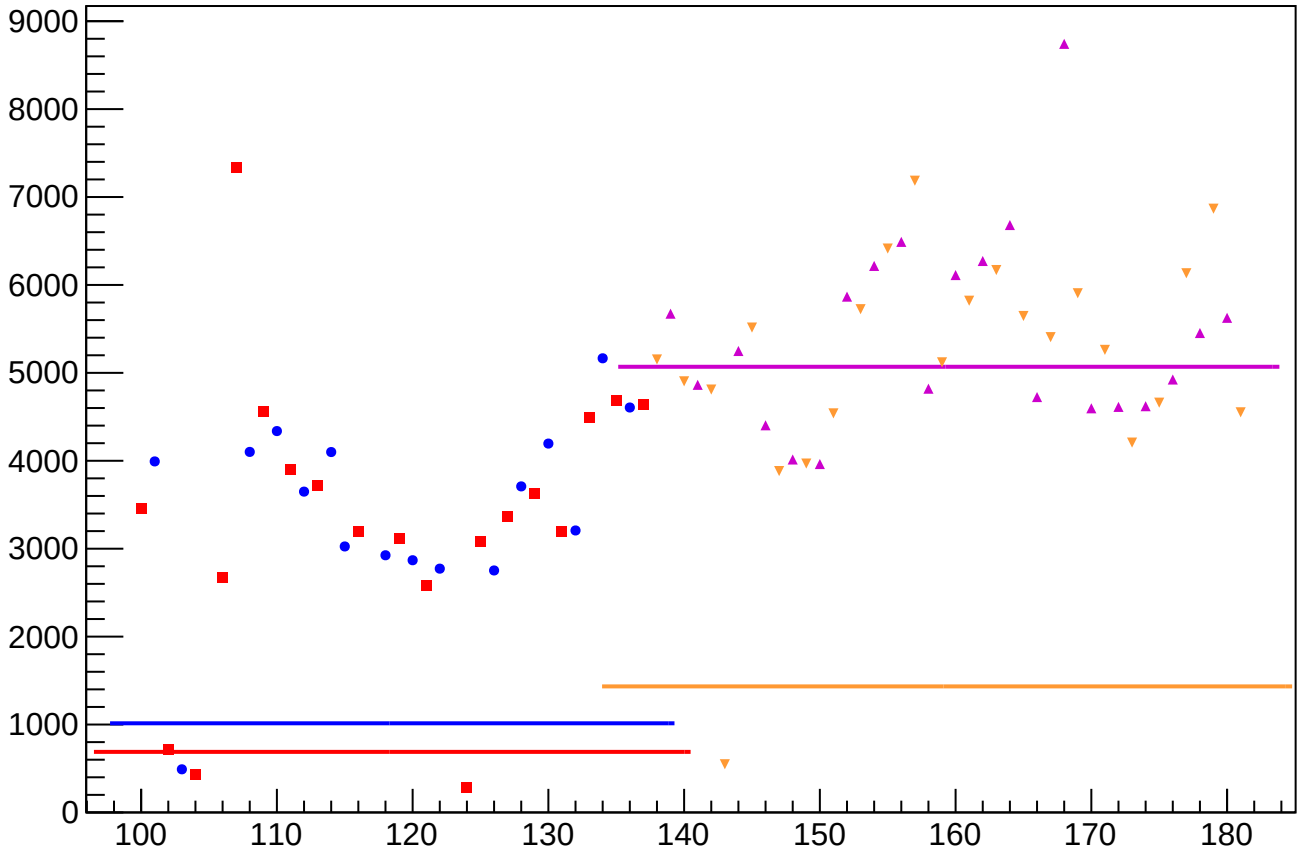
Right Out: -561.454+/-430.621 χ^2/NDF: 17.2/18

Left In: -231.479+/-1244.266 χ^2/NDF:12.4/20

\+ sign -446.507+/-397.885 χ^2/NDF: 47.4/38

All: -485.437+/-284.494 χ^2/NDF: 77.0/78

\- sign -526.159+/-406.940 χ^2/NDF: 29.6/39



Right In: 1014.094+/-0.410 χ^2/NDF: 8223017.6/15

Left Out: 1433.759+/-0.387 χ^2/NDF:22458021.4/22

Right Out: 689.055+/-0.304 χ^2/NDF: 8910364.4/18

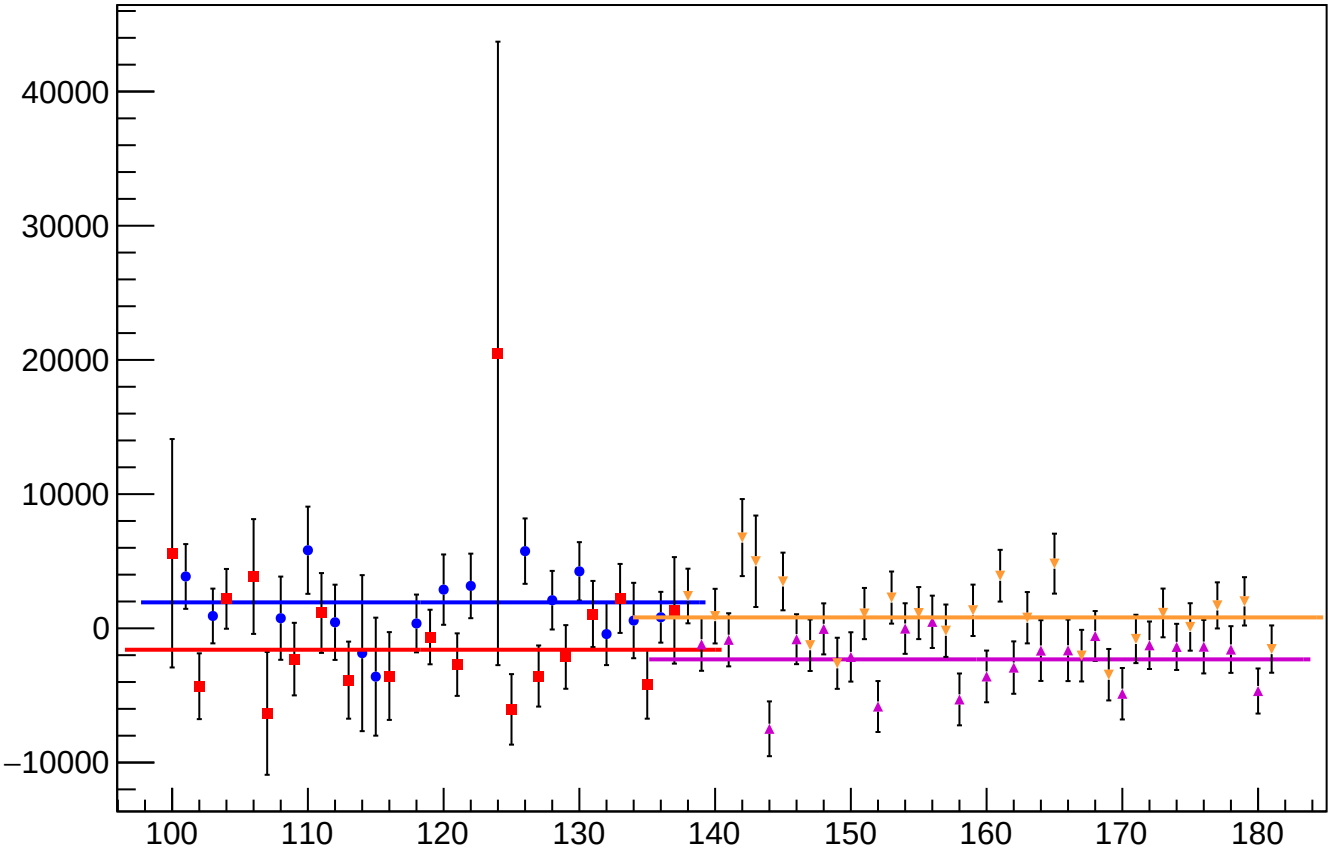
Left In: 5069.223+/-0.880 χ^2/NDF:1056496.8/20

+ sign 1235.822+/-0.281 χ^2/NDF: 31235487.2/38

All: 1197.577+/-0.201 χ^2/NDF: 63373892.2/7

- sign 1157.571+/-0.288 χ^2/NDF: 32100597.0/39

eigen_cor_asym_atl_avg_mean vs Slug



Right In: 1934.871+/-627.874 χ^2/NDF: 10.9/15

Left Out: 813.782+/-408.883 χ^2/NDF:29.8/22

Right Out: -1595.521+/-642.212 χ^2/NDF: 19.4/18

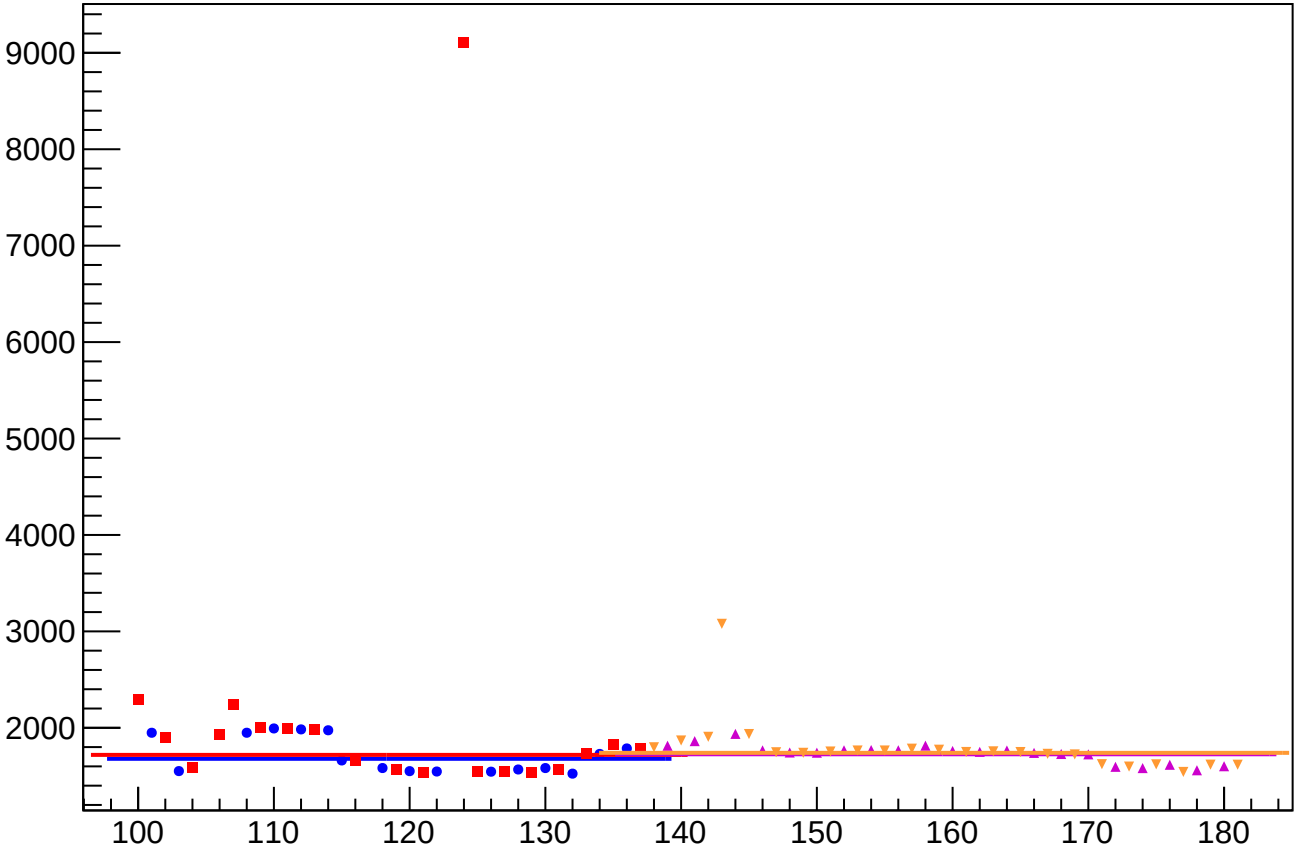
Left In: -2312.604+/-416.078 χ^2/NDF:25.1/20

+ sign 1147.636+/-342.634 χ^2/NDF: 42.9/38

All: -445.678+/-244.566 χ^2/NDF: 132.4/78

- sign -2100.597+/-349.195 χ^2/NDF: 45.4/39

eigen_cor_asym_atl_avg_rms vs Slug



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.7/15

Left Out: 1740.409+/-0.289 χ^2/NDF:419400.7/22

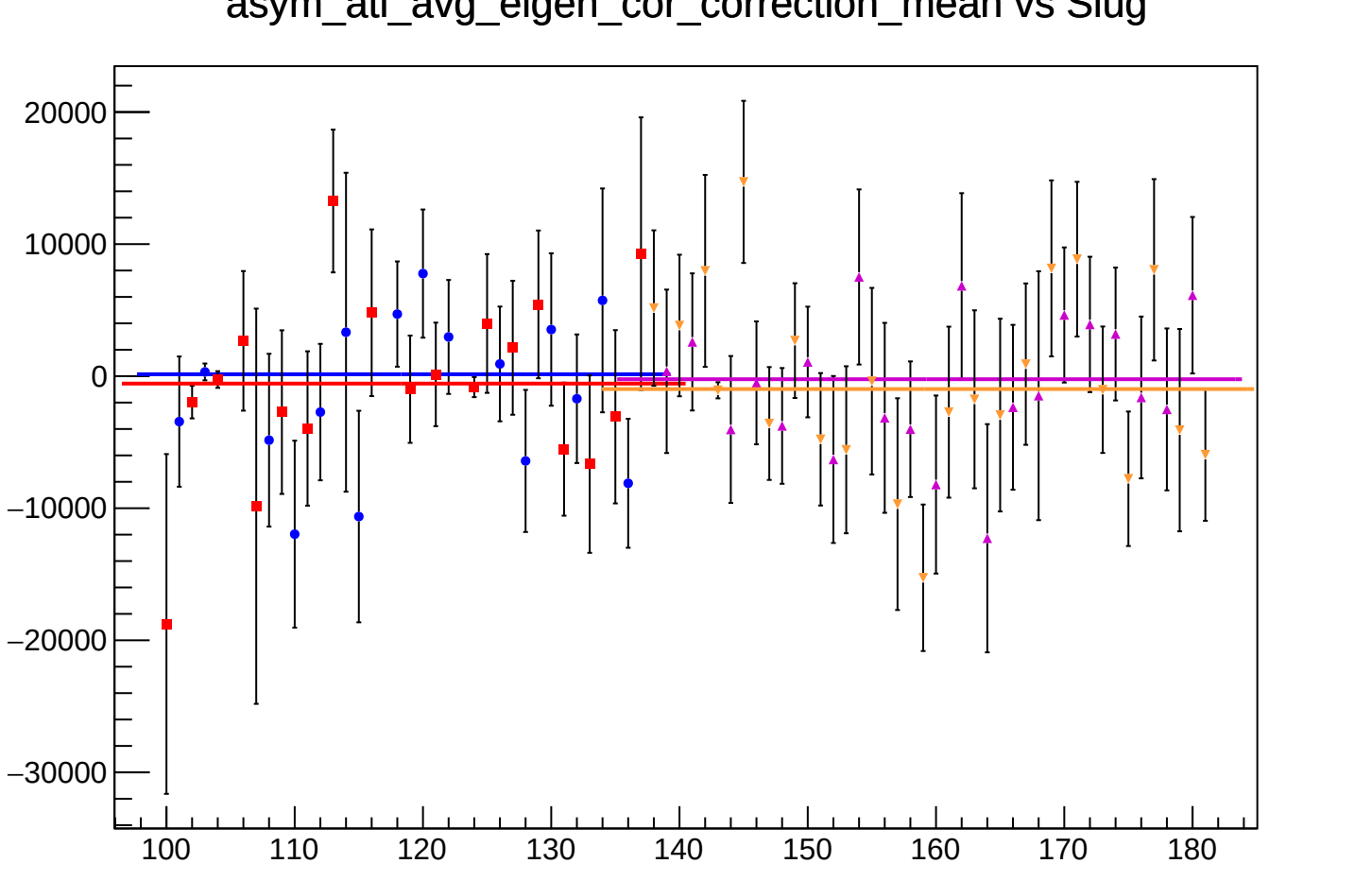
Right Out: 1719.146+/-0.452 χ^2/NDF: 384922.3/18

Left In: 1725.519+/-0.294 χ^2/NDF:104846.1/20

+ sign 1721.986+/-0.242 χ^2/NDF: 574518.6/38

All: 1722.790+/-0.173 χ^2/NDF: 1064449.0/78

- sign 1723.624+/-0.247 χ^2/NDF: 489908.0/39



Right In: 146.548+/-579.356 χ^2/NDF: 15.8/15

Left Out: -975.927+/-547.391 χ^2/NDF:29.6/22

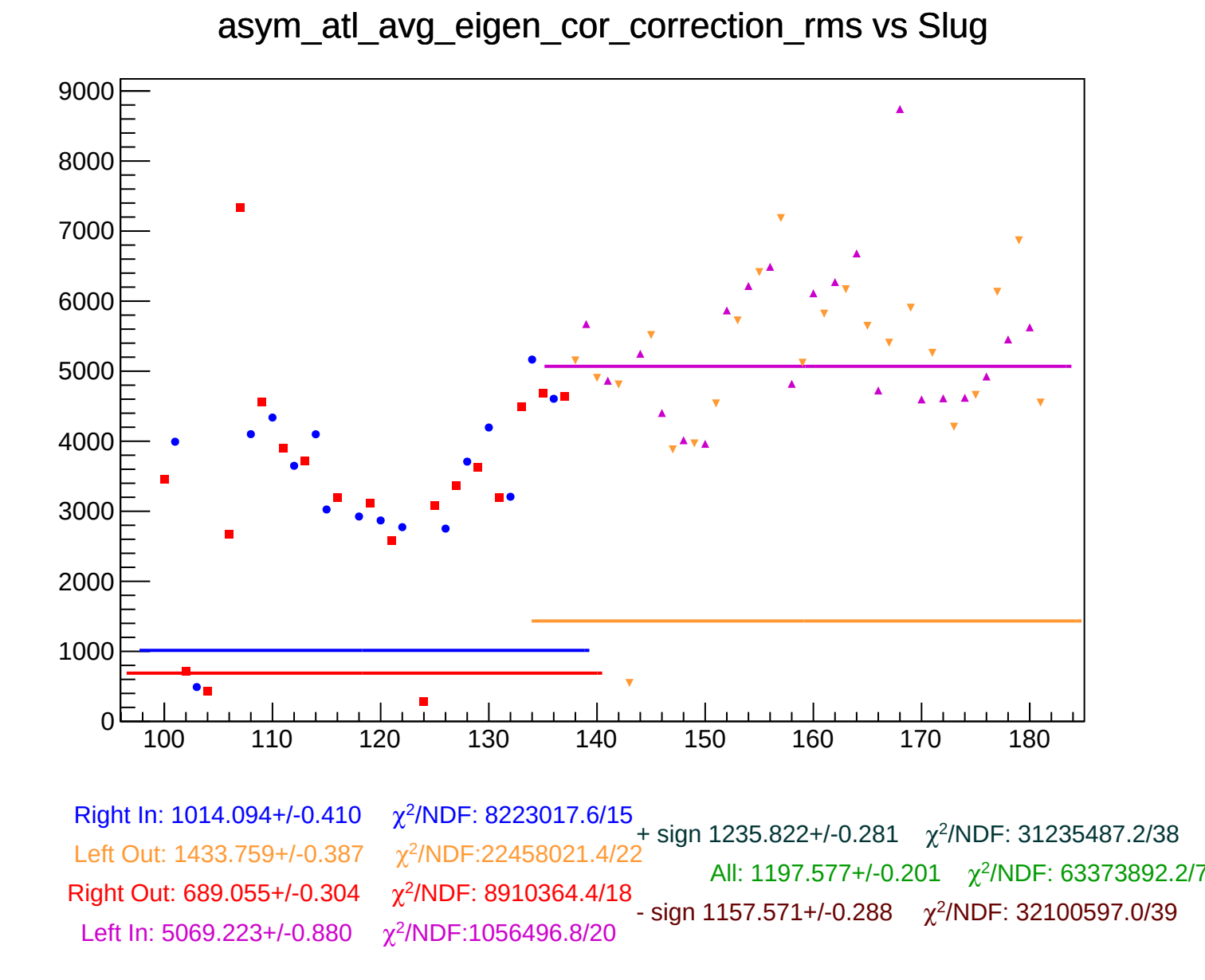
Right Out: -561.454+/-430.621 χ^2/NDF: 17.2/18

Left In: -231.479+/-1244.266 χ^2/NDF:12.4/20

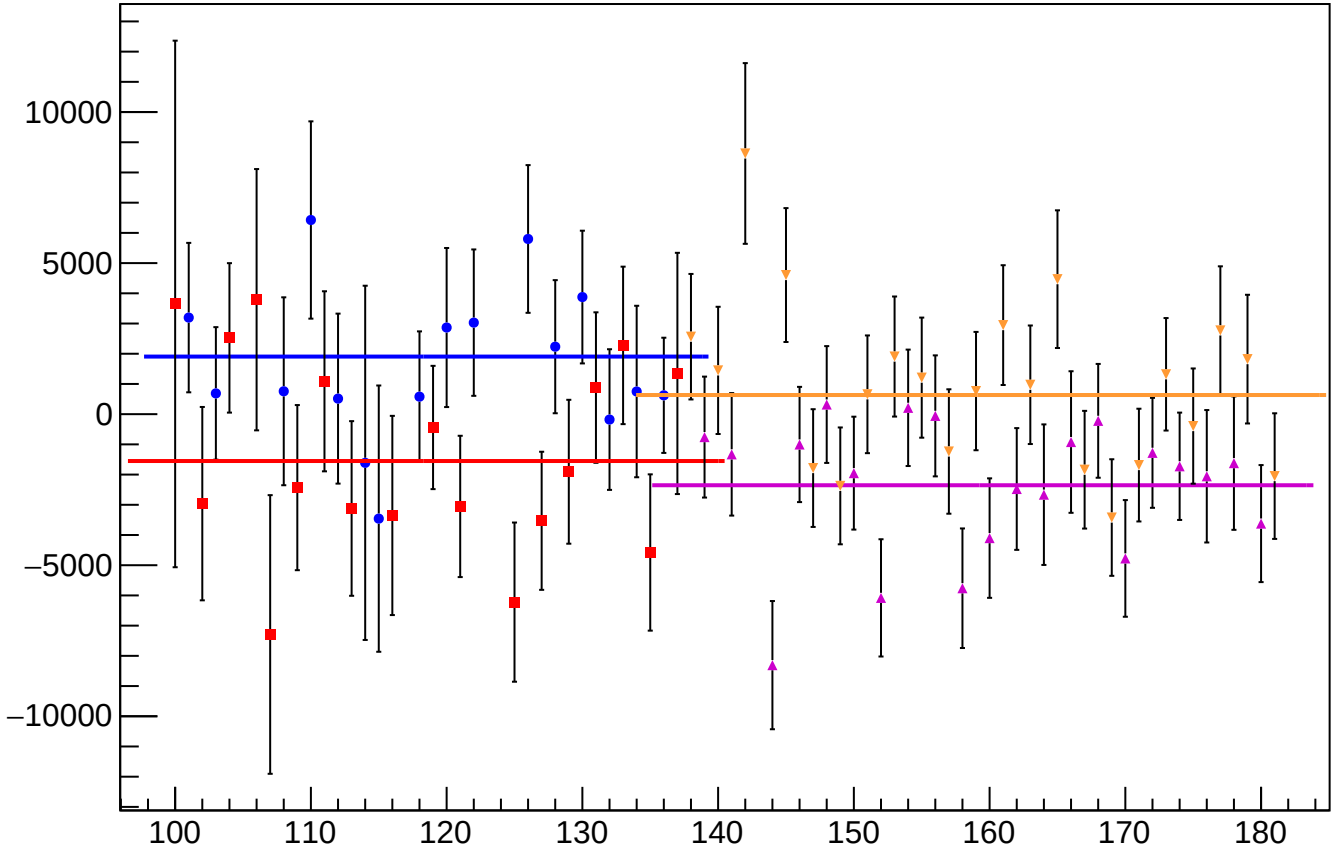
\+ sign -446.507+/-397.885 χ^2/NDF: 47.4/38

All: -485.437+/-284.494 χ^2/NDF: 77.0/78

\- sign -526.159+/-406.940 χ^2/NDF: 29.6/39


asym_atl_avg_eigen_cor_correction_rms vs Slug
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
100
110
120
130
140
150
160
170
180
Right In: 1014.094+/-0.410 χ²/NDF: 8223017.6/15
Left Out: 1433.759+/-0.387 χ²/NDF:22458021.4/22
Right Out: 689.055+/-0.304 χ²/NDF: 8910364.4/18
Left In: 5069.223+/-0.880 χ²/NDF:1056496.8/20
+ sign 1235.822+/-0.281 χ²/NDF: 31235487.2/38
All: 1197.577+/-0.201 χ²/NDF: 63373892.2/7
- sign 1157.571+/-0.288 χ²/NDF: 32100597.0/39

dit_asym_atl_avg_mean vs Slug



Right In: 1906.205+/-636.433 χ^2/NDF: 10.2/15

Left Out: 633.567+/-433.001 χ^2/NDF:31.9/21

Right Out: -1550.986+/-661.054 χ^2/NDF: 17.5/17

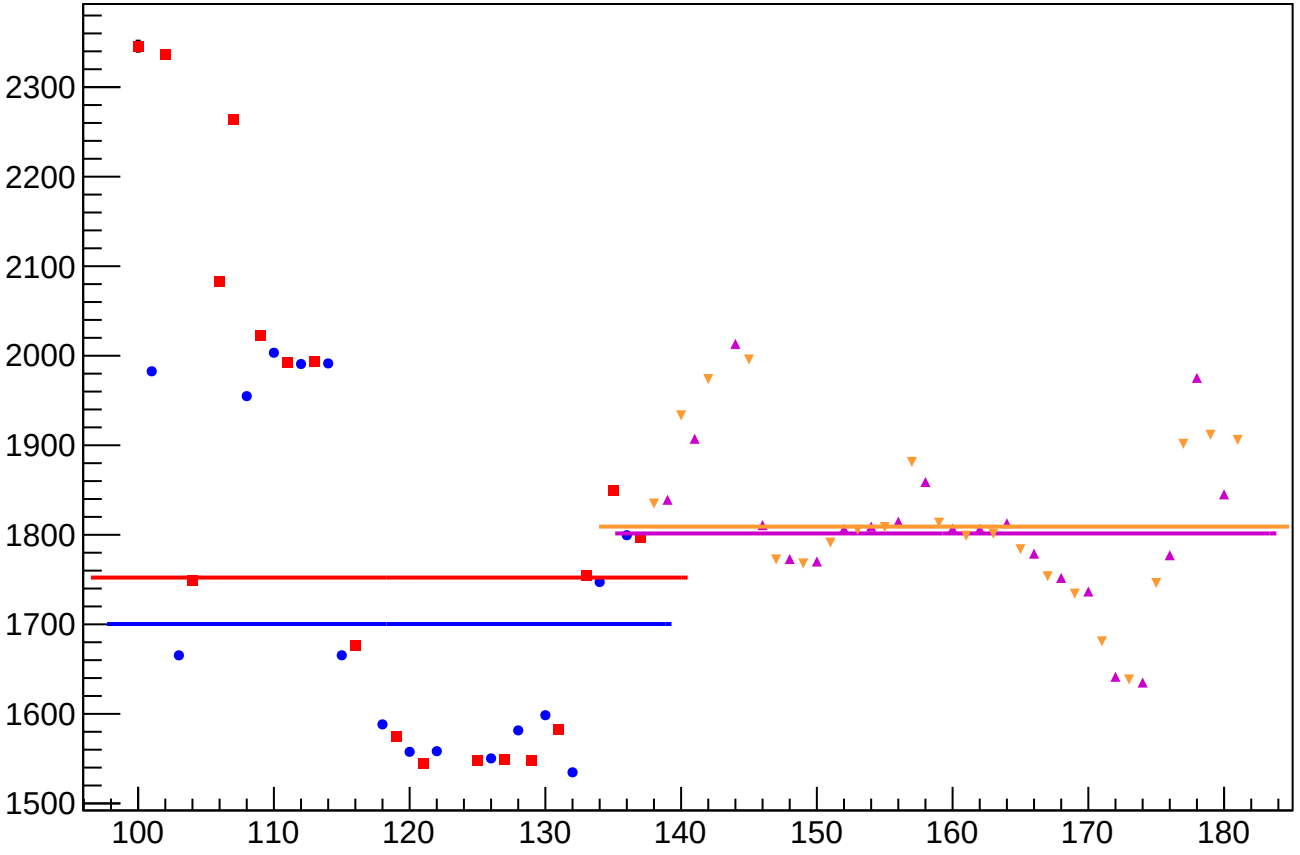
Left In: -2352.808+/-434.328 χ^2/NDF:26.0/20

+ sign 1036.253+/-358.001 χ^2/NDF: 44.8/37

All: -515.616+/-254.891 χ^2/NDF: 127.4/76

- sign -2111.043+/-362.990 χ^2/NDF: 44.5/38

dit_asym_atl_avg_rms vs Slug



Right In: 1700.357+/-0.450 χ^2/NDF: 135419.2/15

Left Out: 1809.171+/-0.306 χ^2/NDF:77965.4/21

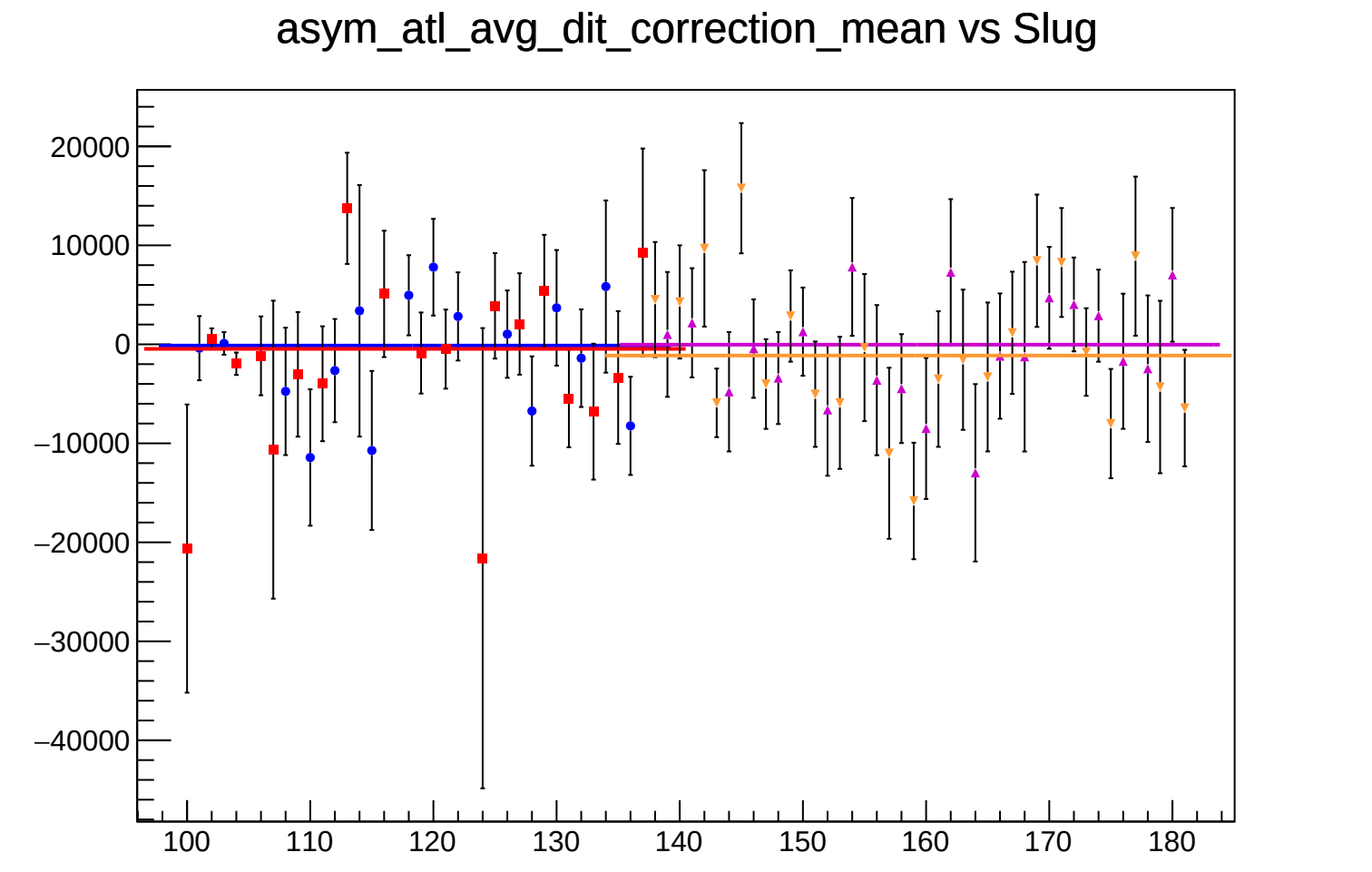
Right Out: 1752.239+/-0.466 χ^2/NDF: 247952.8/17

Left In: 1801.522+/-0.307 χ^2/NDF:79533.3/20

+ sign 1774.740+/-0.253 χ^2/NDF: 253349.6/37

All: 1780.599+/-0.180 χ^2/NDF: 589710.6/76

- sign 1786.615+/-0.256 χ^2/NDF: 335275.2/38



Right In: -125.468+/-867.645 χ^2/NDF: 15.1/15

Left Out: -1131.830+/-1214.136 χ^2/NDF:31.4/22

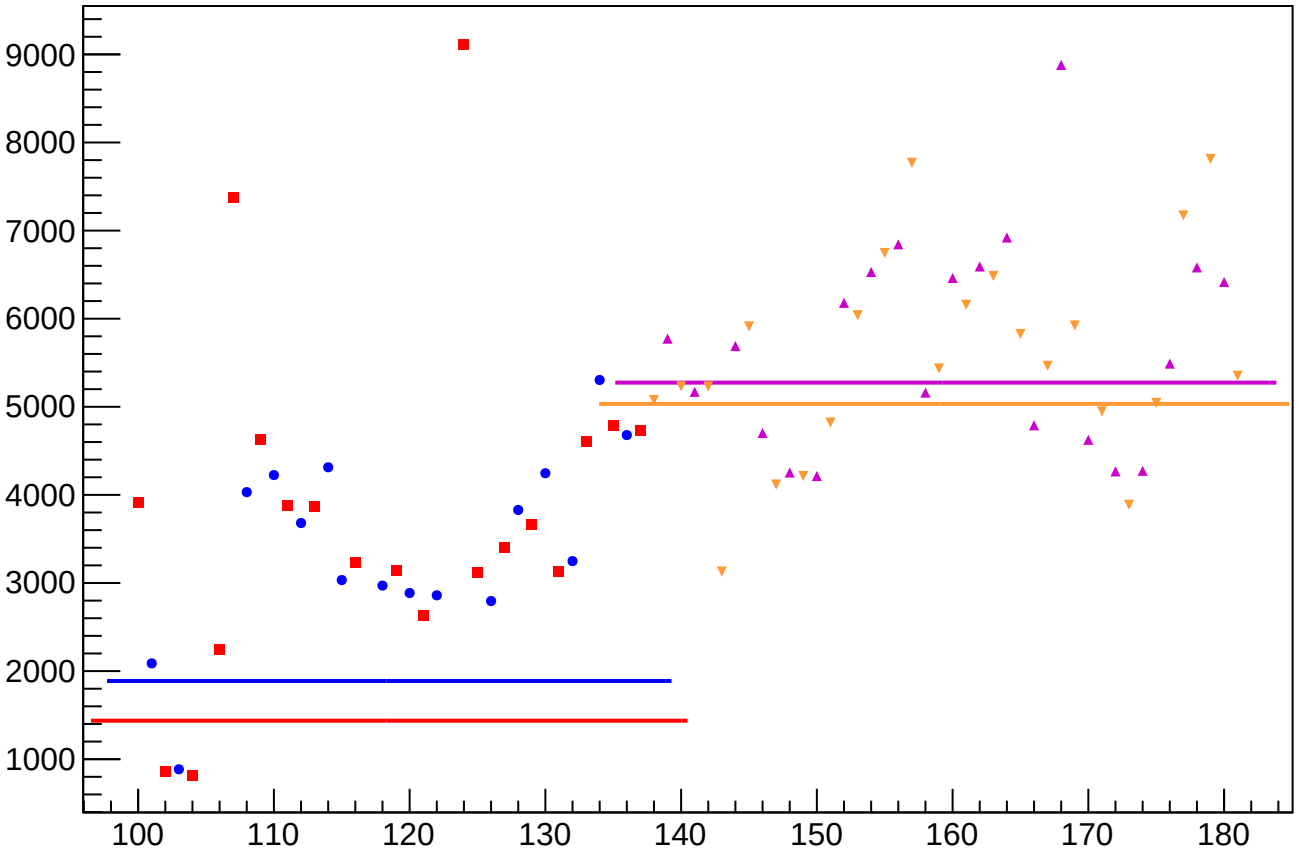
Right Out: -459.431+/-679.157 χ^2/NDF: 18.5/18

Left In: -34.657+/-1298.841 χ^2/NDF:12.3/20

+ sign -465.665+/-705.920 χ^2/NDF: 46.9/38

All: -409.240+/-457.988 χ^2/NDF: 77.8/78

- sign -368.227+/-601.845 χ^2/NDF: 30.9/39



Right In: 1887.999+/-0.614 χ^2/NDF: 4425691.6/15

Left Out: 5033.092+/-0.859 χ^2/NDF:1843628.9/22

Right Out: 1437.108+/-0.480 χ^2/NDF: 5964193.5/18

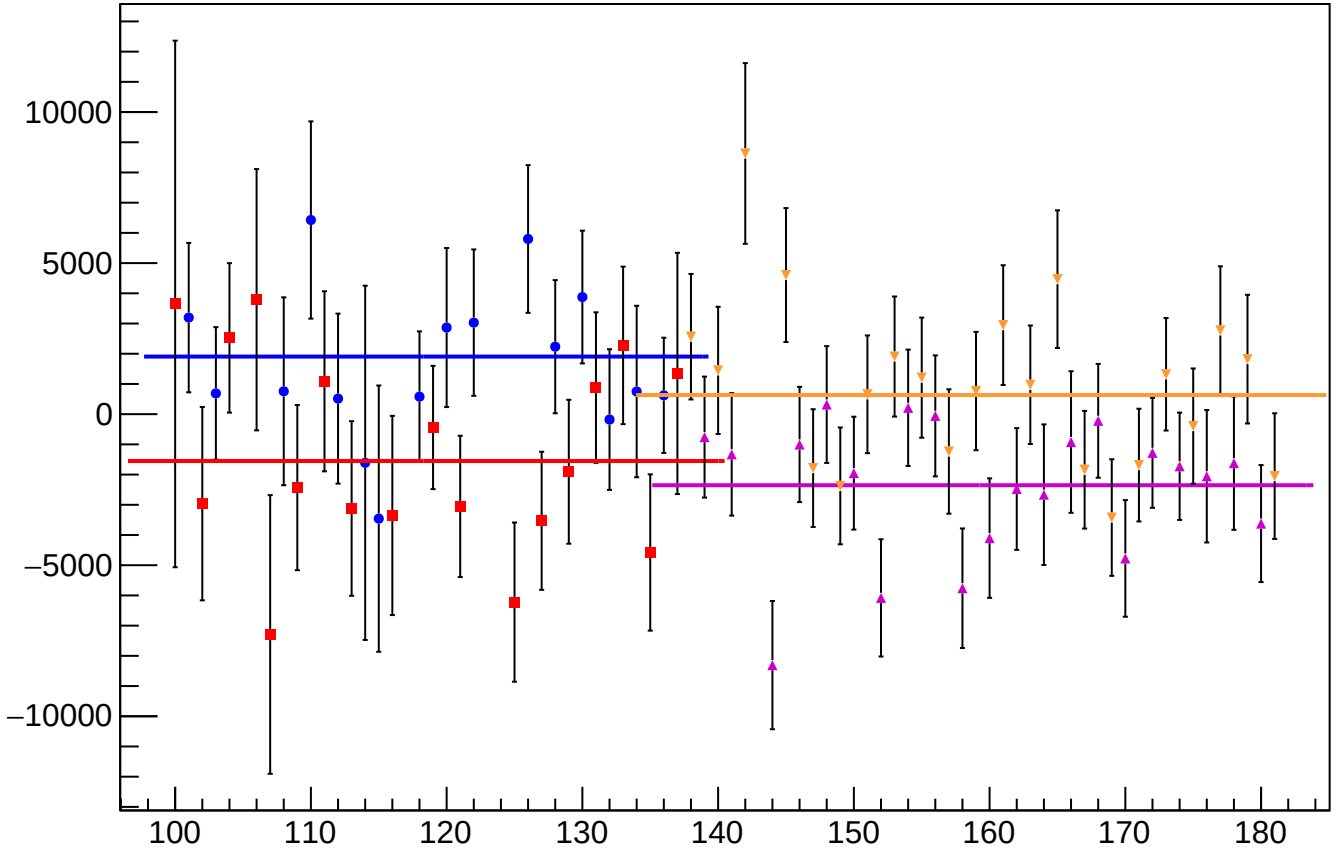
Left In: 5274.307+/-0.918 χ^2/NDF:1266368.8/20

+ sign 2951.187+/-0.499 χ^2/NDF: 15152930.2/38

All: 2551.513+/-0.324 χ^2/NDF: 37198641.0/7

- sign 2261.002+/-0.426 χ^2/NDF: 20938602.8/39

eigen_dit_asym_atl_avg_mean vs Slug



Right In: 1906.203+/-636.433 χ^2/NDF: 10.2/15

Left Out: 633.563+/-433.001 χ^2/NDF:31.9/21

Right Out: -1550.983+/-661.054 χ^2/NDF: 17.5/17

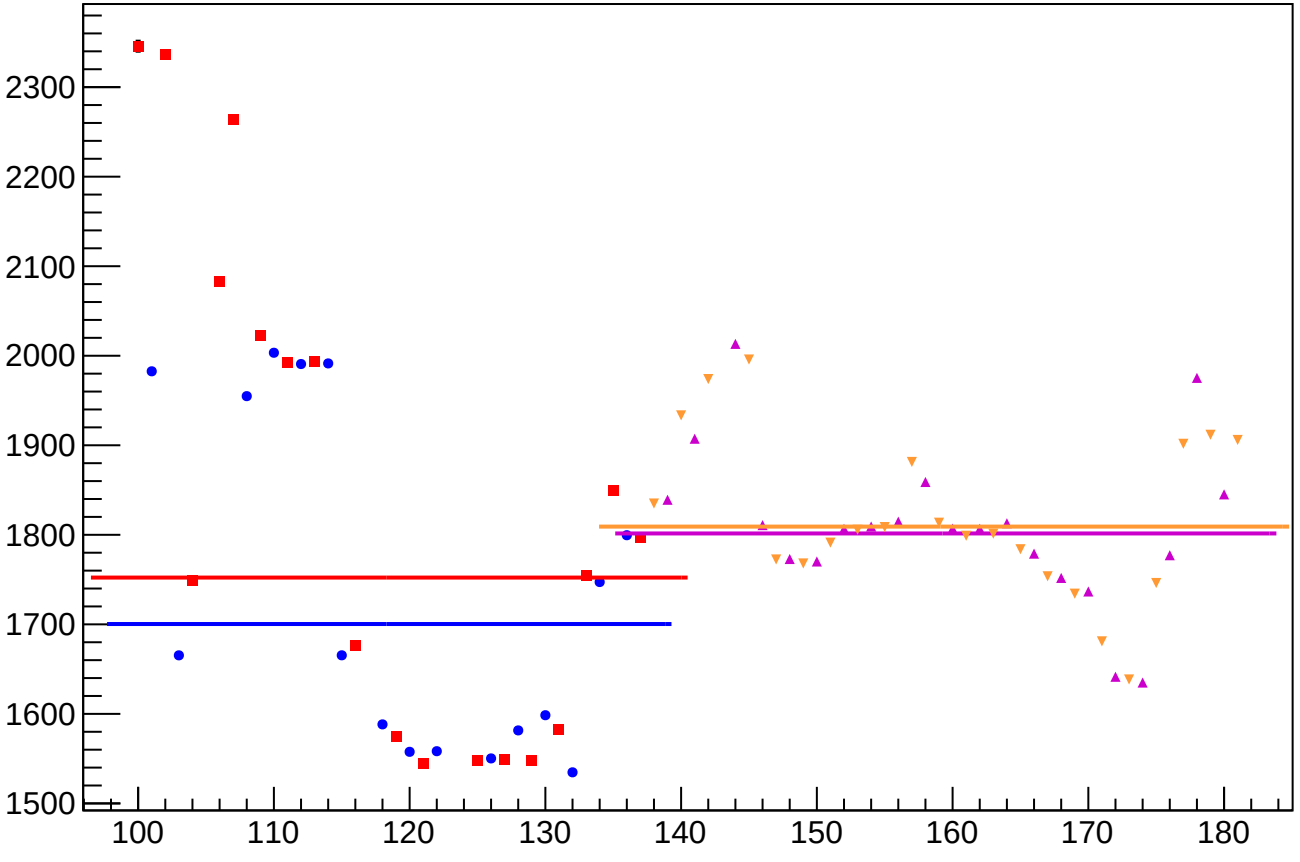
Left In: -2352.808+/-434.329 χ^2/NDF:26.0/20

+ sign 1036.251+/-358.001 χ^2/NDF: 44.8/37

All: -515.616+/-254.891 χ^2/NDF: 127.4/76

- sign -2111.042+/-362.990 χ^2/NDF: 44.5/38

eigen_dit_asym_atl_avg_rms vs Slug



Right In: 1700.357+/-0.450 χ^2/NDF: 135419.5/15

Left Out: 1809.172+/-0.306 χ^2/NDF:77969.1/21

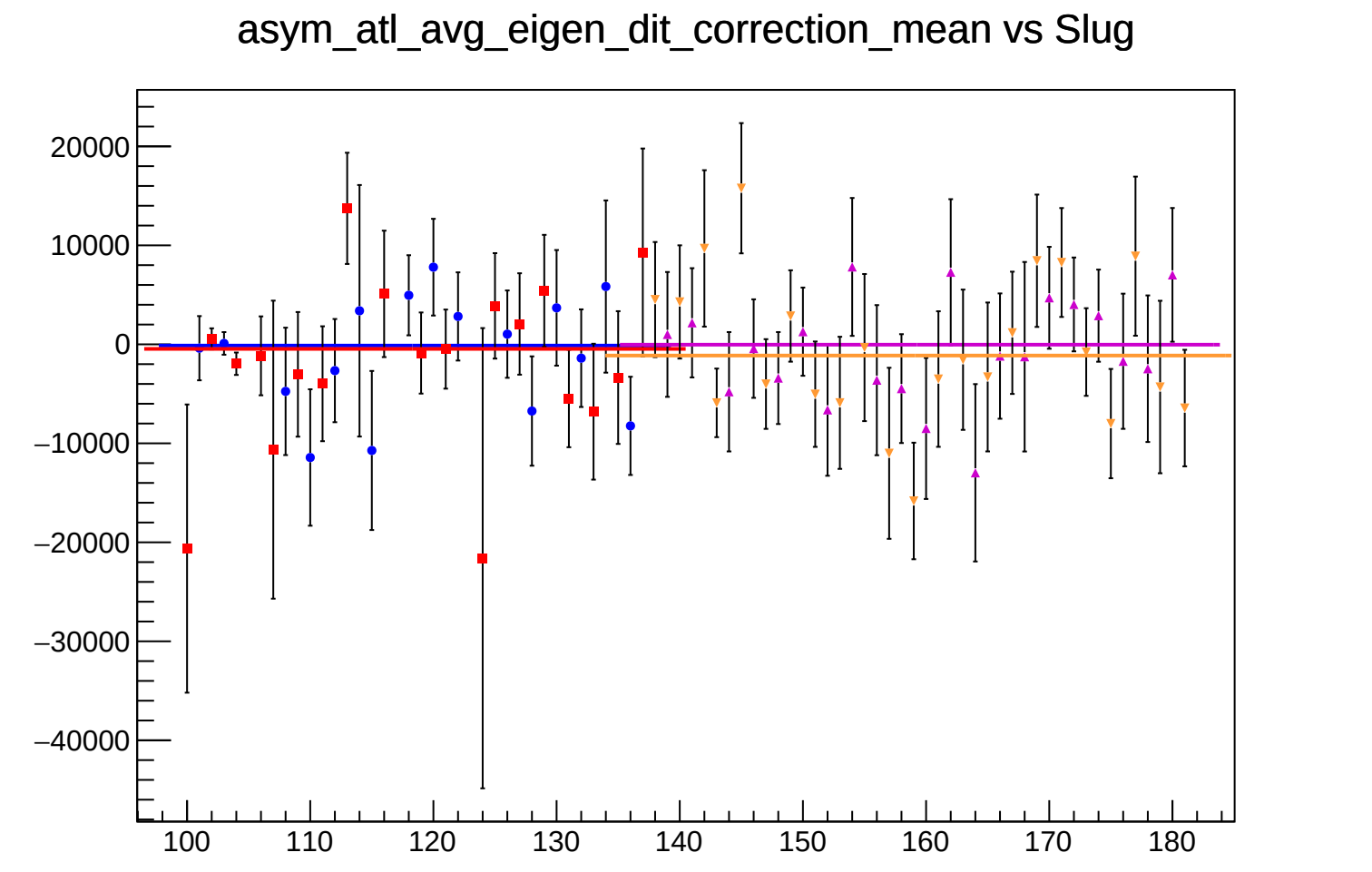
Right Out: 1752.238+/-0.466 χ^2/NDF: 247952.3/17

Left In: 1801.523+/-0.307 χ^2/NDF:79536.7/20

+ sign 1774.741+/-0.253 χ^2/NDF: 253354.6/37

All: 1780.600+/-0.180 χ^2/NDF: 589719.1/76

- sign 1786.615+/-0.256 χ^2/NDF: 335278.7/38



Right In: -125.464+/-867.639 χ^2/NDF: 15.1/15

Left Out: -1131.835+/-1214.138 χ^2/NDF:31.4/22

Right Out: -459.430+/-679.152 χ^2/NDF: 18.5/18

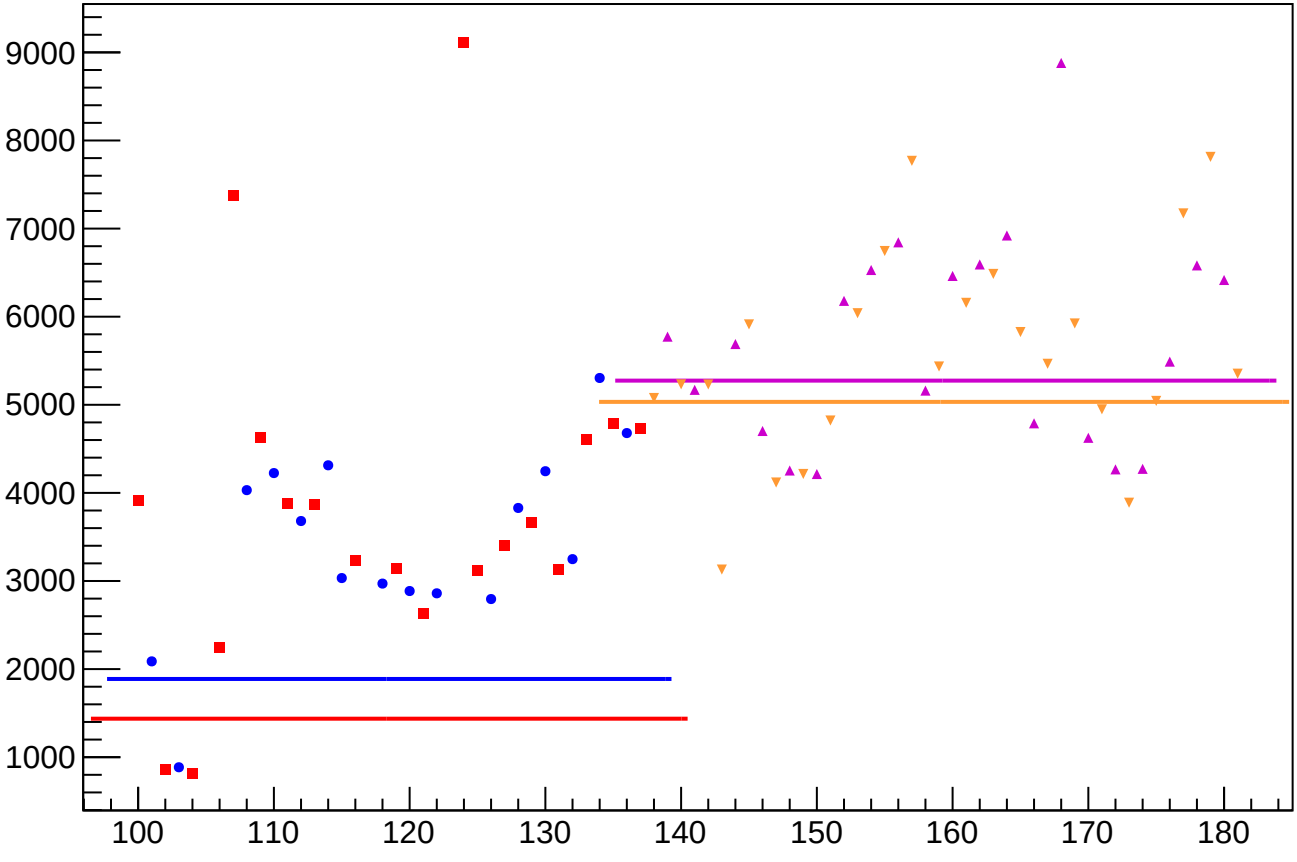
Left In: -34.657+/-1298.843 χ^2/NDF:12.3/20

+ sign -465.661+/-705.918 χ^2/NDF: 46.9/38

All: -409.239+/-457.986 χ^2/NDF: 77.8/78

- sign -368.227+/-601.841 χ^2/NDF: 30.9/39

asym_atl_avg_eigen_dit_correction_rms vs Slug



Right In: 1887.982+/-0.614 χ^2/NDF: 4425728.6/15

Left Out: 5033.099+/-0.859 χ^2/NDF:1843635.4/22

Right Out: 1437.095+/-0.480 χ^2/NDF: 5964228.2/18

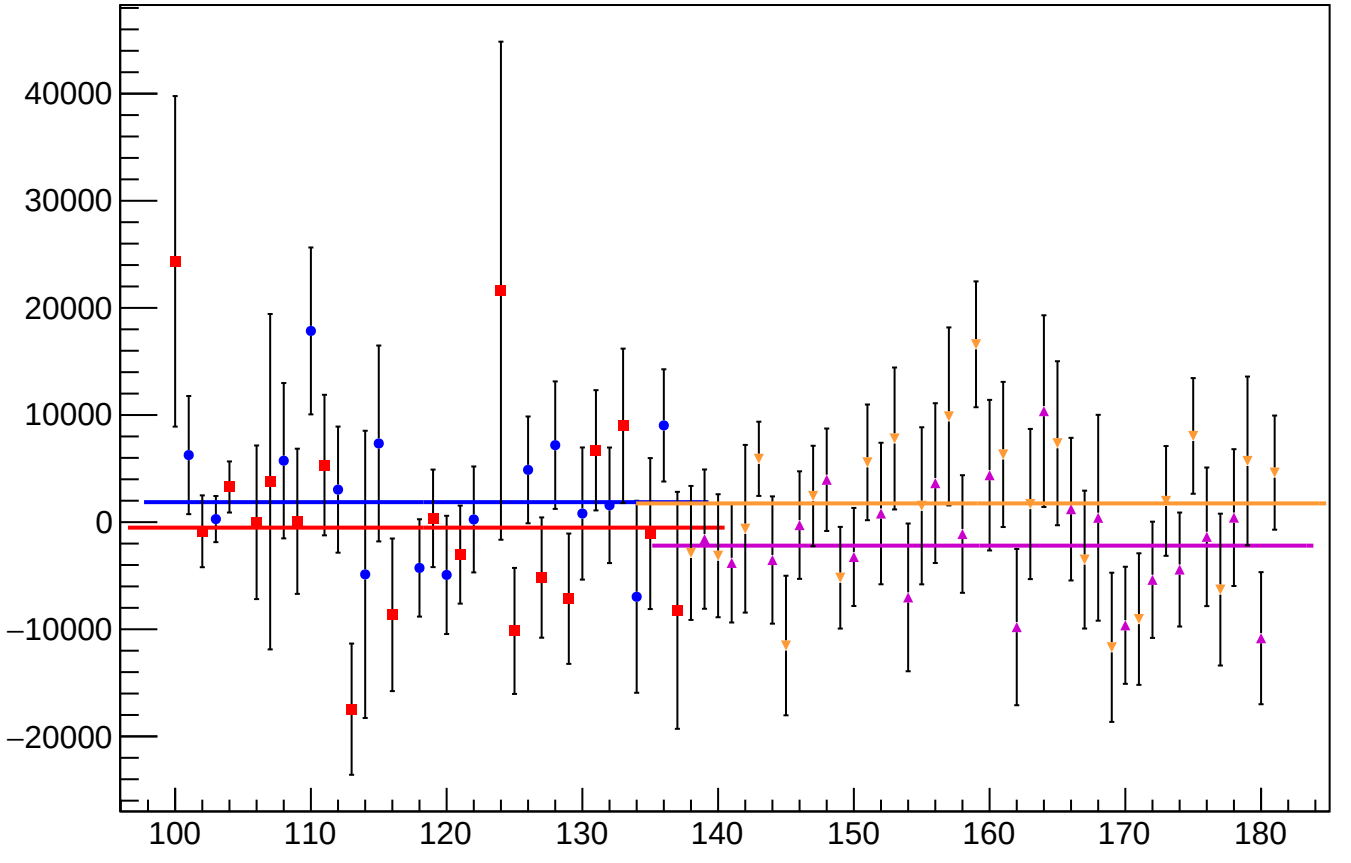
Left In: 5274.316+/-0.918 χ^2/NDF:1266370.0/20

+ sign 2951.167+/-0.499 χ^2/NDF: 15153128.8/38

All: 2551.492+/-0.324 χ^2/NDF: 37199055.6/7

- sign 2260.981+/-0.426 χ^2/NDF: 20938806.2/39

asym_atl_avg_mean vs Slug



Right In: 1866.618+/-1259.187 χ^2/NDF: 13.8/15

Left Out: 1749.886+/-1228.783 χ^2/NDF:29.5/22

Right Out: -512.528+/-1241.513 χ^2/NDF: 24.7/18

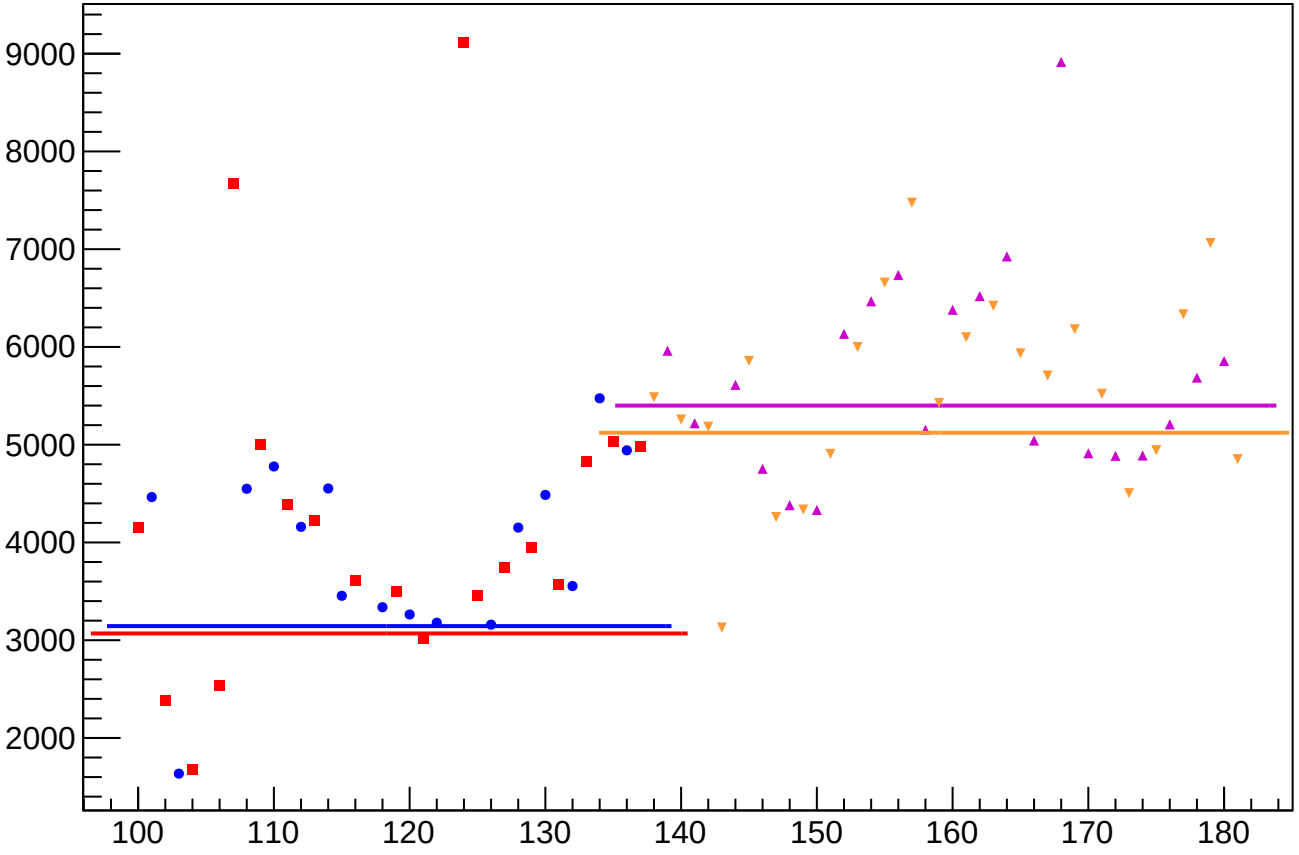
Left In: -2193.244+/-1321.115 χ^2/NDF:12.1/20

+ sign 1806.826+/-879.433 χ^2/NDF: 43.3/38

All: 297.075+/-630.602 χ^2/NDF: 87.0/78

- sign -1300.729+/-904.715 χ^2/NDF: 37.7/39

asym_atl_avg_rms vs Slug



Right In: 3144.136+/-0.890 χ^2/NDF: 1883139.2/15

Left Out: 5122.089+/-0.869 χ^2/NDF:1529604.4/22

Right Out: 3069.098+/-0.864 χ^2/NDF: 1881644.6/18

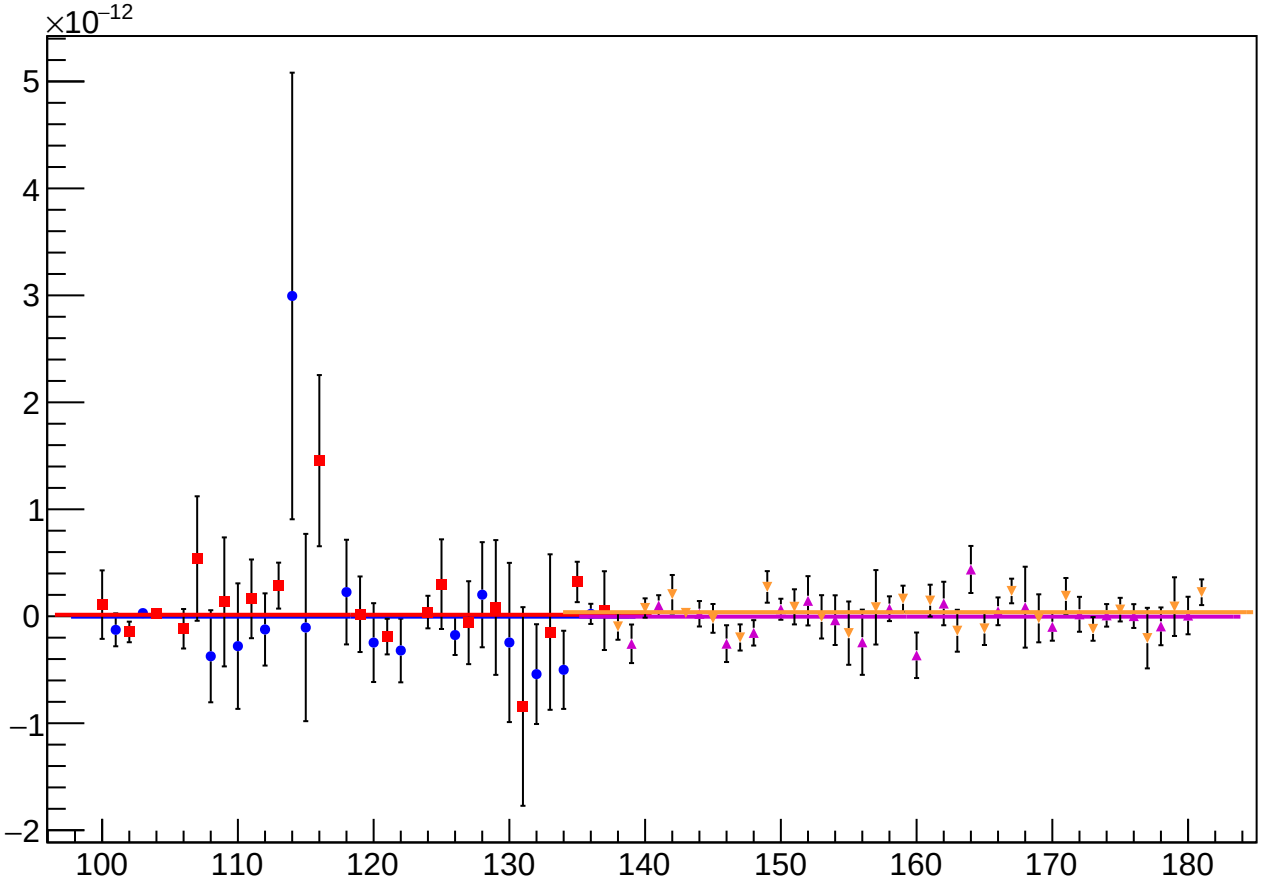
Left In: 5400.127+/-0.934 χ^2/NDF:879610.9/20

+ sign 4157.278+/-0.622 χ^2/NDF: 5940512.2/38

All: 4150.802+/-0.444 χ^2/NDF: 12057113.3/7

- sign 4144.061+/-0.634 χ^2/NDF: 6116379.6/39

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:21.8/22

Right Out: 0.000+/-0.000 χ^2/NDF: 14.9/18

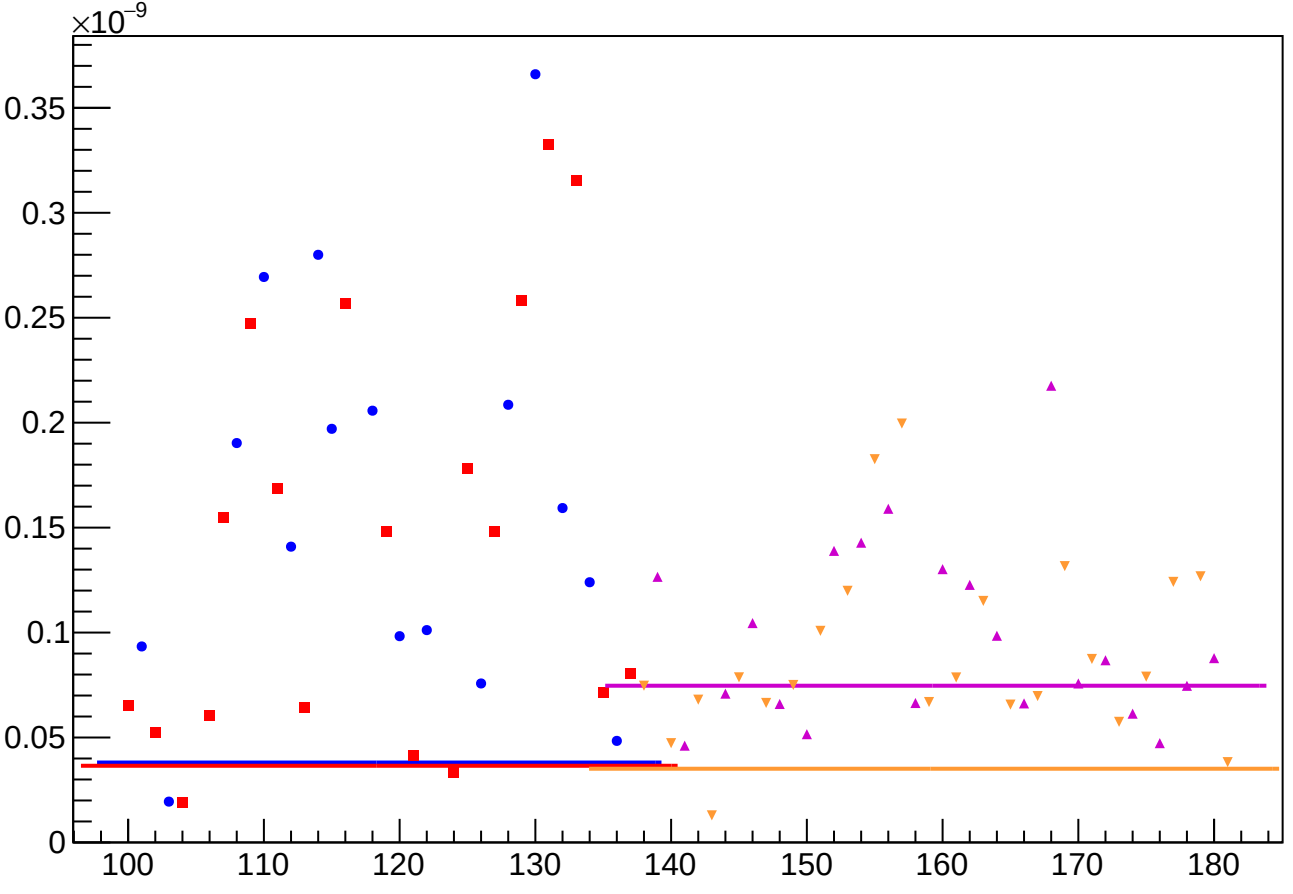
Left In: -0.000+/-0.000 χ^2/NDF:17.2/20

+ sign 0.000+/-0.000 χ^2/NDF: 33.6/38

All: 0.000+/-0.000 χ^2/NDF: 66.6/78

- sign 0.000+/-0.000 χ^2/NDF: 32.3/39

asym_atl_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2888502.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:6501444.9/22

Right Out: 0.000+/-0.000 χ^2/NDF: 2683451.3/18

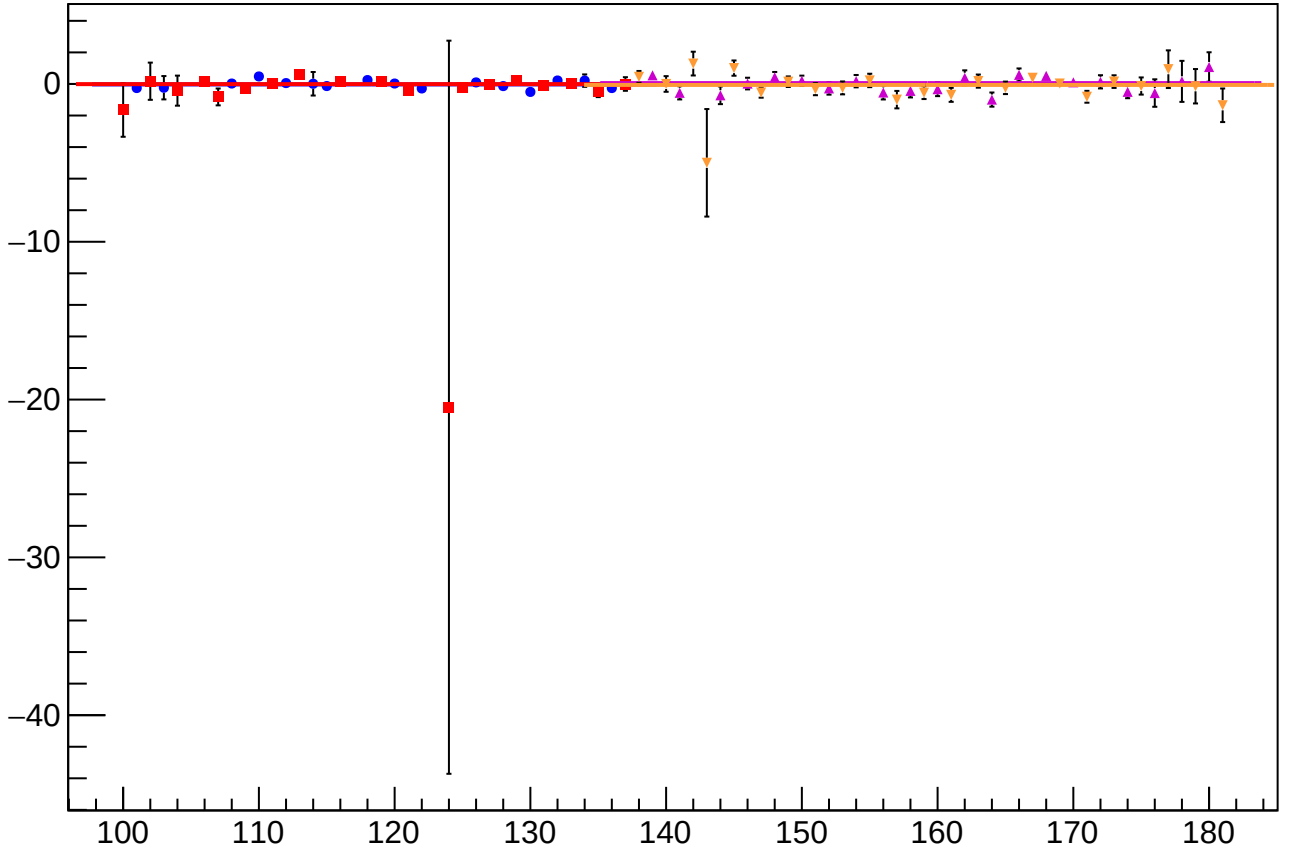
Left In: 0.000+/-0.000 χ^2/NDF:1752942.5/20

+ sign 0.000+/-0.000 χ^2/NDF: 9401603.8/38

All: 0.000+/-0.000 χ^2/NDF: 16315797.1/78

- sign 0.000+/-0.000 χ^2/NDF: 5851420.6/39

asym_atl_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: -0.060+/-0.086 χ^2/NDF:31.7/22

Right Out: -0.011+/-0.057 χ^2/NDF: 21.8/18

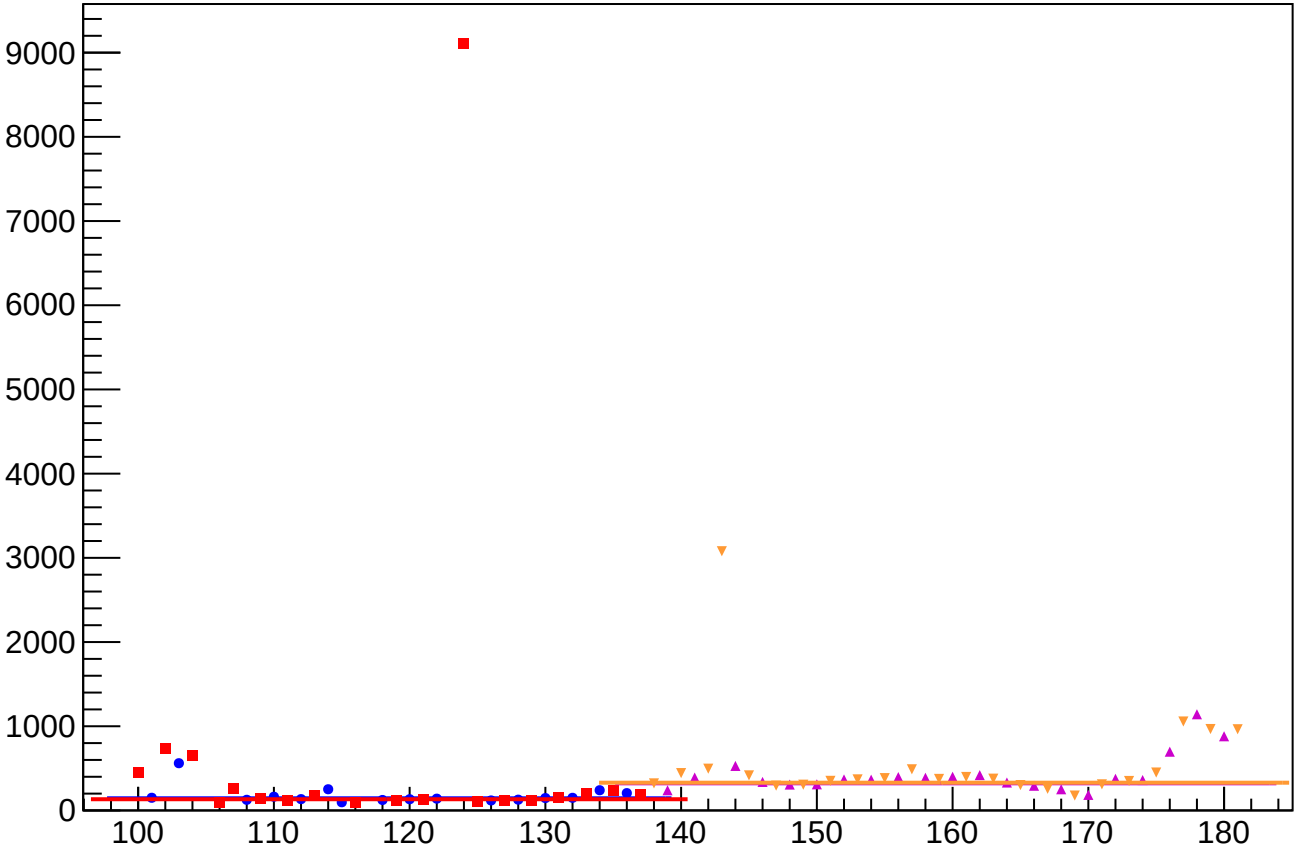
Left In: 0.054+/-0.084 χ^2/NDF:27.5/20

+ sign -0.039+/-0.048 χ^2/NDF: 49.0/38

All: -0.014+/-0.033 χ^2/NDF: 99.2/78

- sign 0.010+/-0.047 χ^2/NDF: 49.7/39

asym_atl_avg_dit_vs_cor_diff_rms vs Slug



Right In: 144.291+/-0.041 χ^2/NDF: 1128779.2/15

Left Out: 329.648+/-0.061 χ^2/NDF:5478041.0/22

Right Out: 133.253+/-0.040 χ^2/NDF: 2220645.6/18

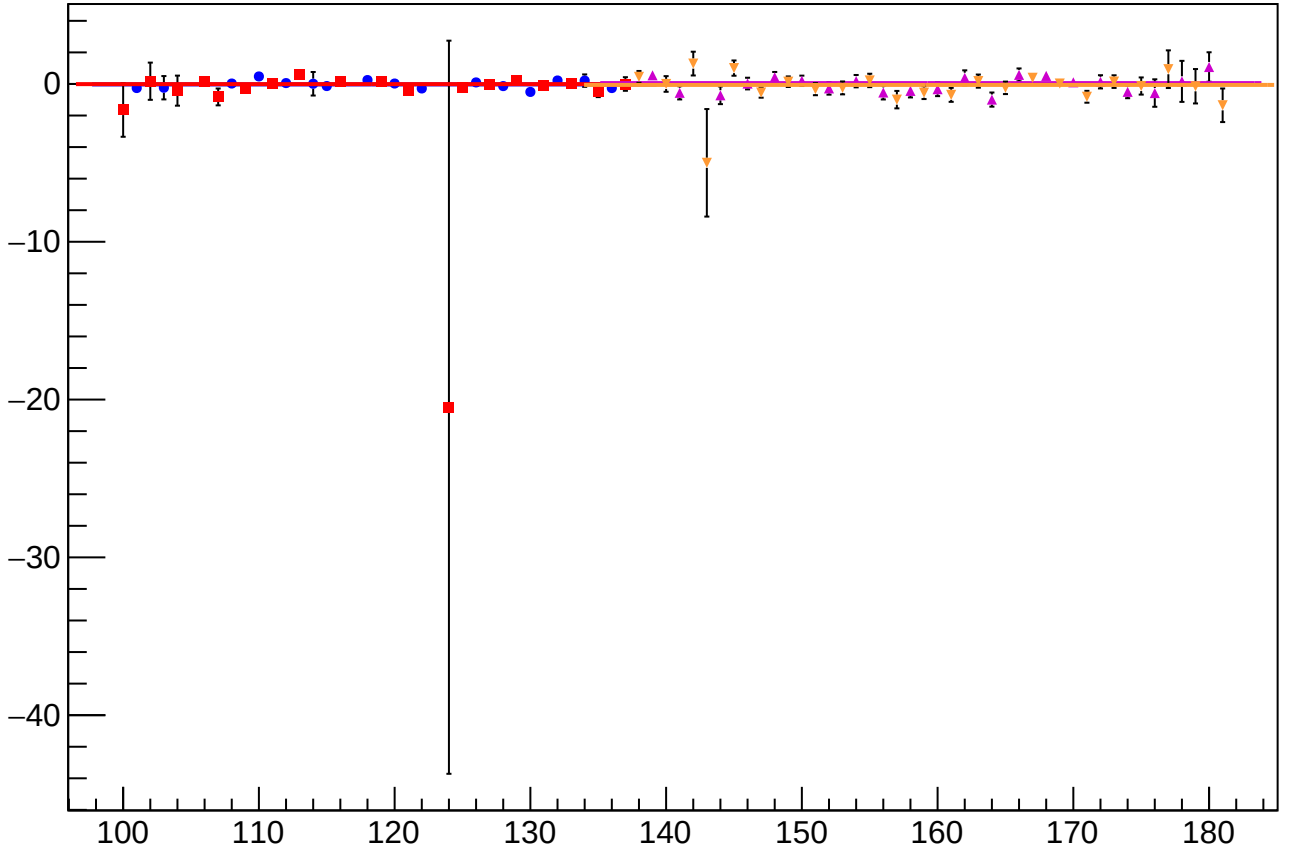
Left In: 322.133+/-0.059 χ^2/NDF:3762964.5/20

+ sign 202.401+/-0.034 χ^2/NDF: 13048919.2/38

All: 197.282+/-0.024 χ^2/NDF: 26072241.5/78

- sign 192.390+/-0.033 χ^2/NDF: 12978672.8/39

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: -0.060+/-0.086 χ^2/NDF:31.7/22

Right Out: -0.011+/-0.057 χ^2/NDF: 21.8/18

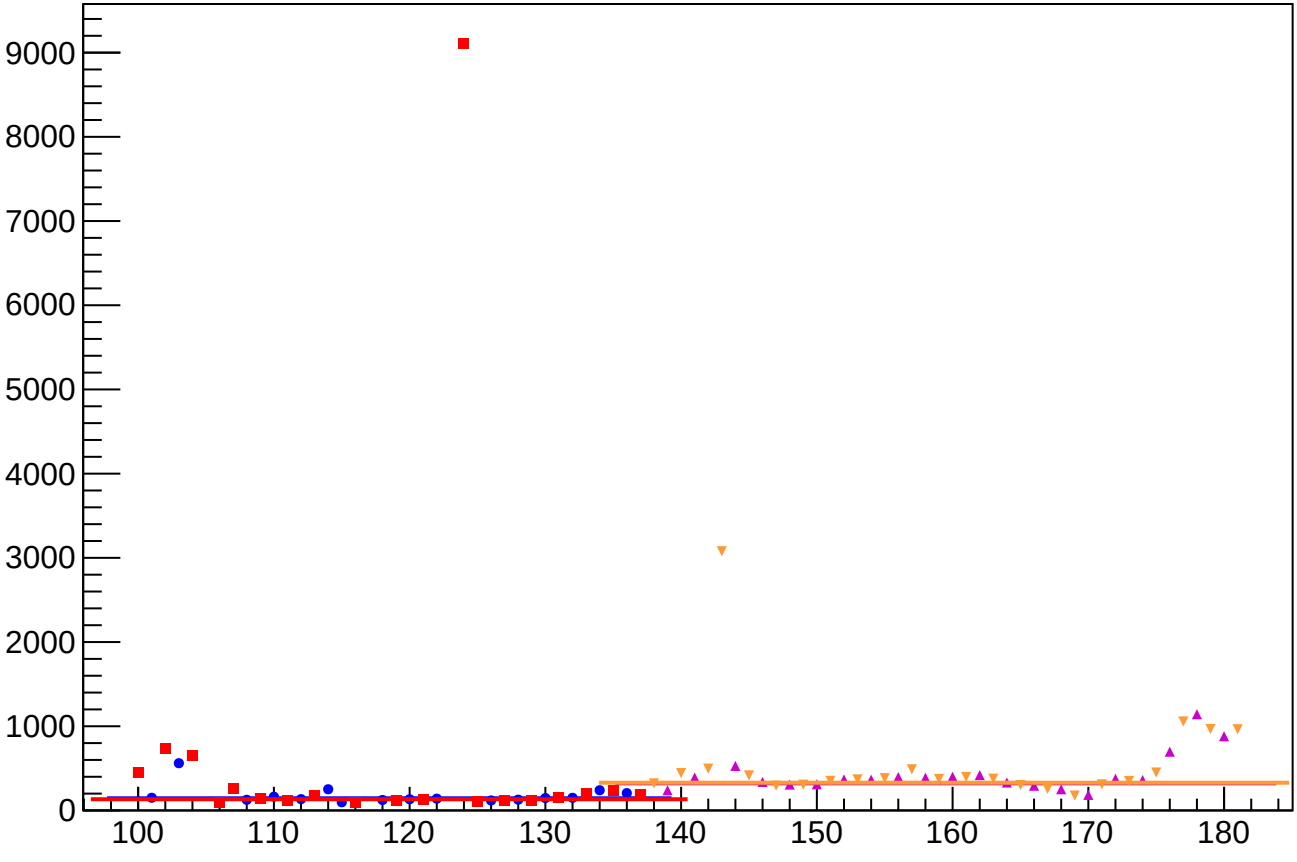
Left In: 0.054+/-0.084 χ^2/NDF:27.5/20

+ sign -0.039+/-0.048 χ^2/NDF: 49.0/38

All: -0.014+/-0.033 χ^2/NDF: 99.2/78

- sign 0.010+/-0.047 χ^2/NDF: 49.7/39

asym_atl_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 144.291+/-0.041 χ^2/NDF: 1128779.2/15

Left Out: 329.648+/-0.061 χ^2/NDF:5478041.0/22

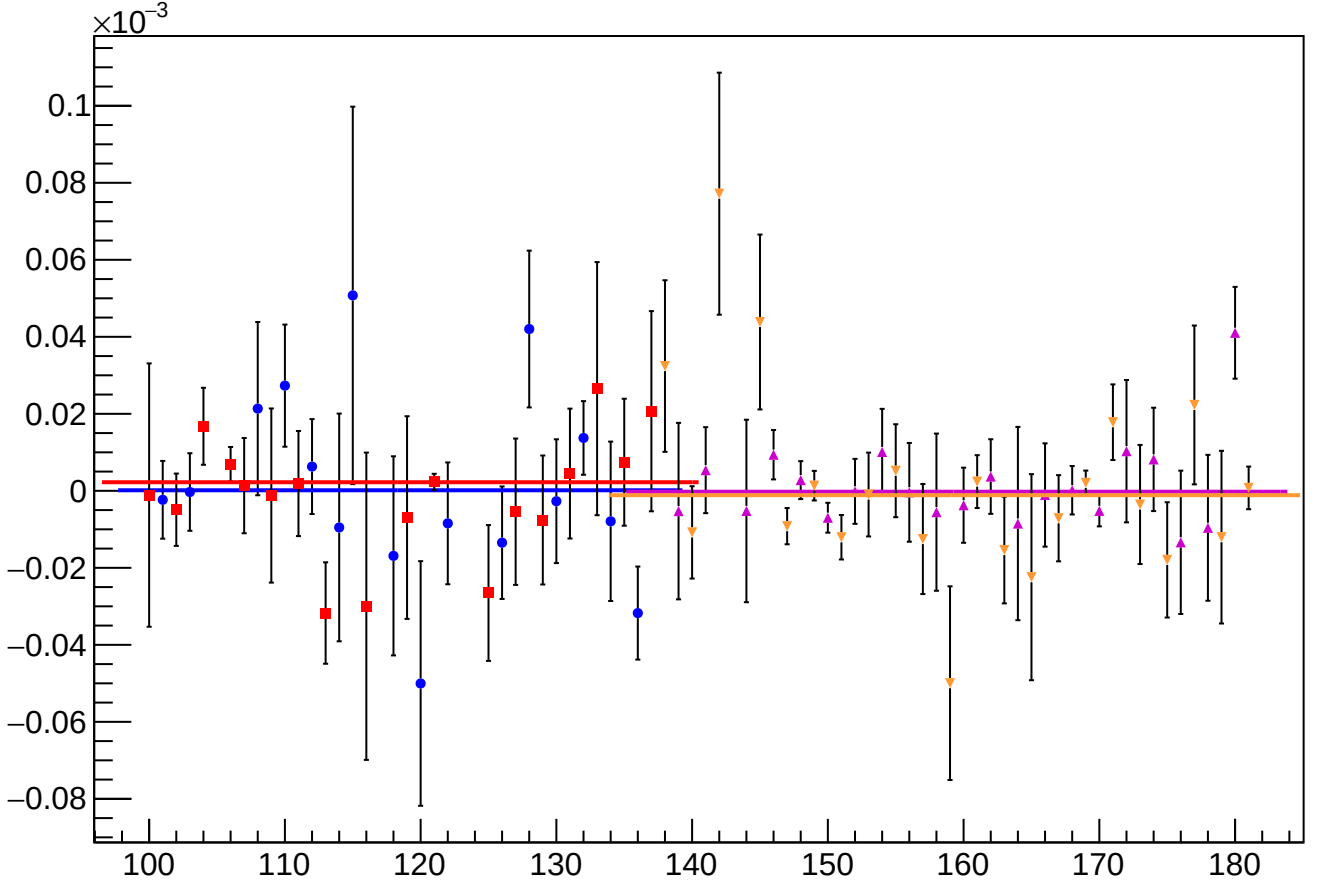
Right Out: 133.253+/-0.040 χ^2/NDF: 2220645.6/18

Left In: 322.133+/-0.059 χ^2/NDF:3762964.5/20

+ sign 202.401+/-0.034 χ^2/NDF: 13048919.2/38

All: 197.282+/-0.024 χ^2/NDF: 26072241.5/78

- sign 192.390+/-0.033 χ^2/NDF: 12978672.8/39



Right In: 0.000+/-0.000 χ^2/NDF: 22.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:34.6/21

Right Out: 0.000+/-0.000 χ^2/NDF: 15.6/17

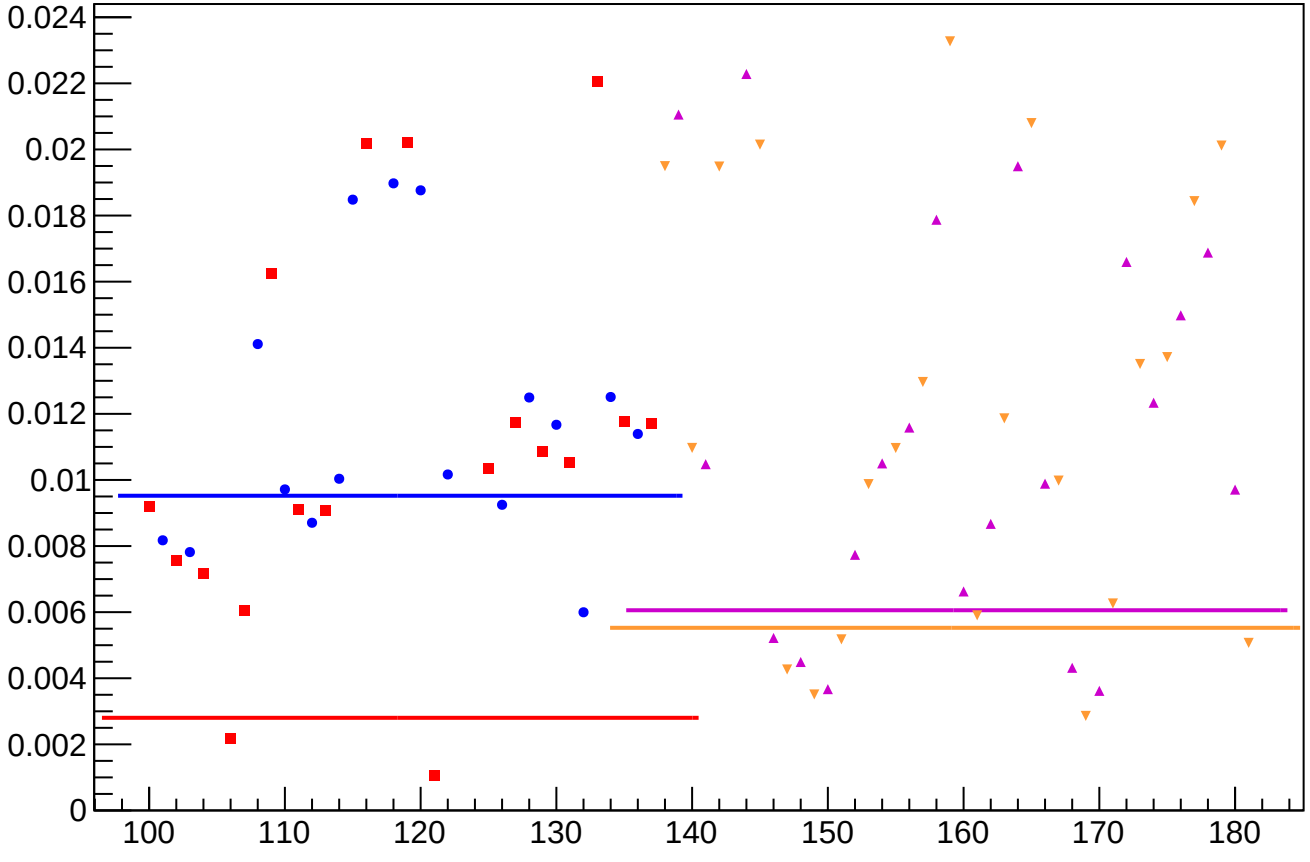
Left In: -0.000+/-0.000 χ^2/NDF:22.3/20

+ sign -0.000+/-0.000 χ^2/NDF: 57.5/37

All: 0.000+/-0.000 χ^2/NDF: 97.3/76

- sign 0.000+/-0.000 χ^2/NDF: 38.9/38

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:10962845.8/21

Right Out: 0.003+/-0.000 χ^2/NDF: 8568874.3/17

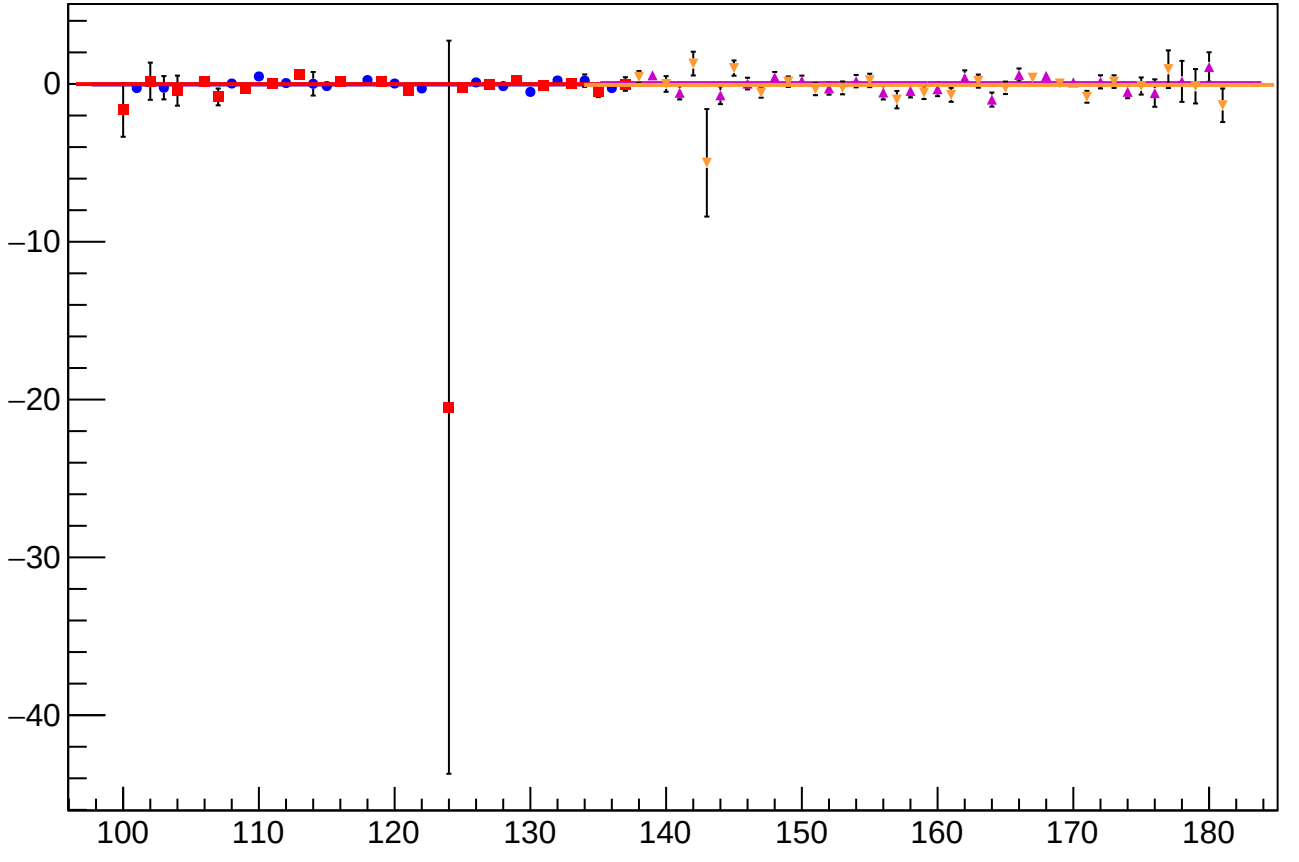
Left In: 0.006+/-0.000 χ^2/NDF:8697817.8/20

+ sign 0.006+/-0.000 χ^2/NDF: 14002801.0/37

All: 0.005+/-0.000 χ^2/NDF: 36422372.0/76

- sign 0.004+/-0.000 χ^2/NDF: 20695420.0/38

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: -0.060+/-0.086 χ^2/NDF:31.7/22

Right Out: -0.011+/-0.057 χ^2/NDF: 21.8/18

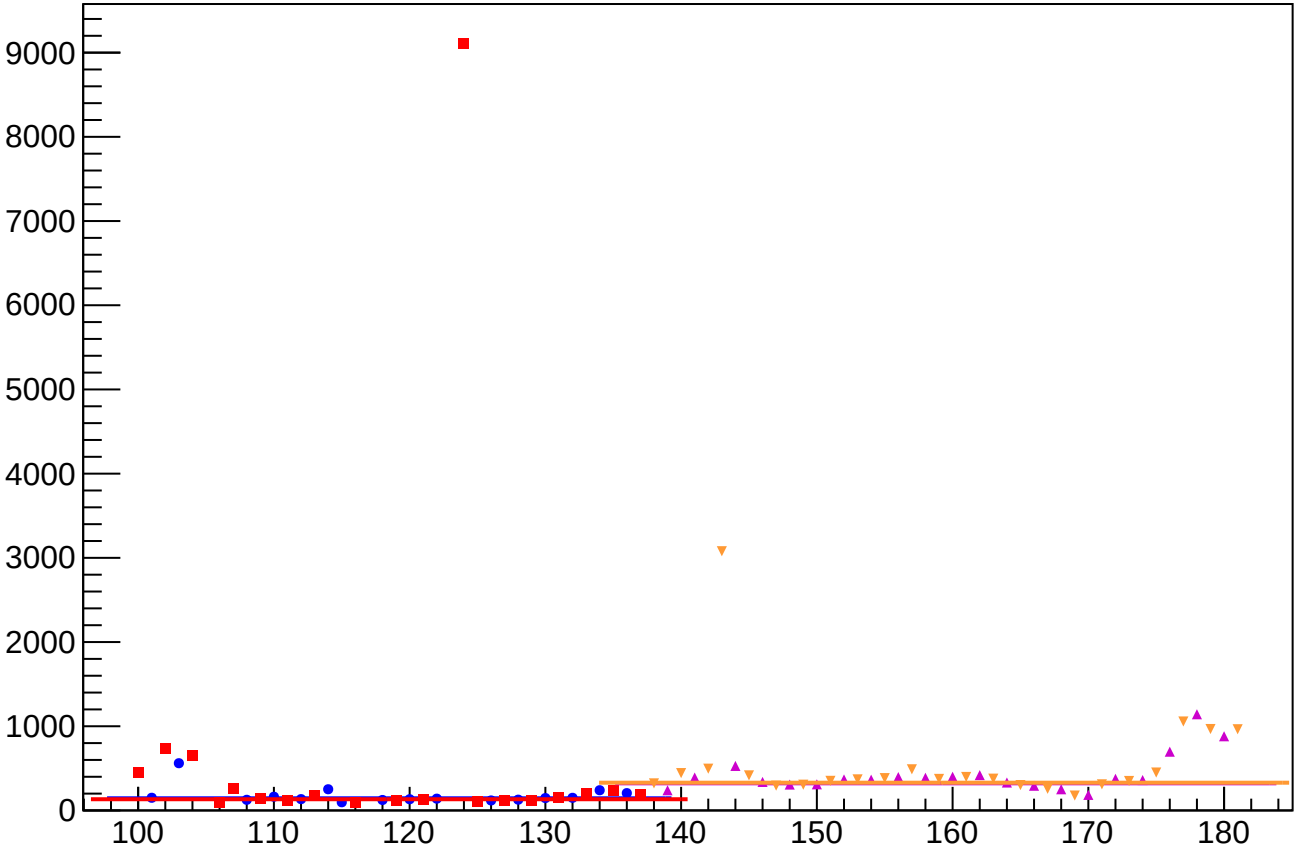
Left In: 0.054+/-0.084 χ^2/NDF:27.5/20

+ sign -0.039+/-0.048 χ^2/NDF: 49.0/38

All: -0.014+/-0.033 χ^2/NDF: 99.2/78

- sign 0.010+/-0.047 χ^2/NDF: 49.7/39

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: 329.650+/-0.061 χ^2/NDF:5478104.2/22

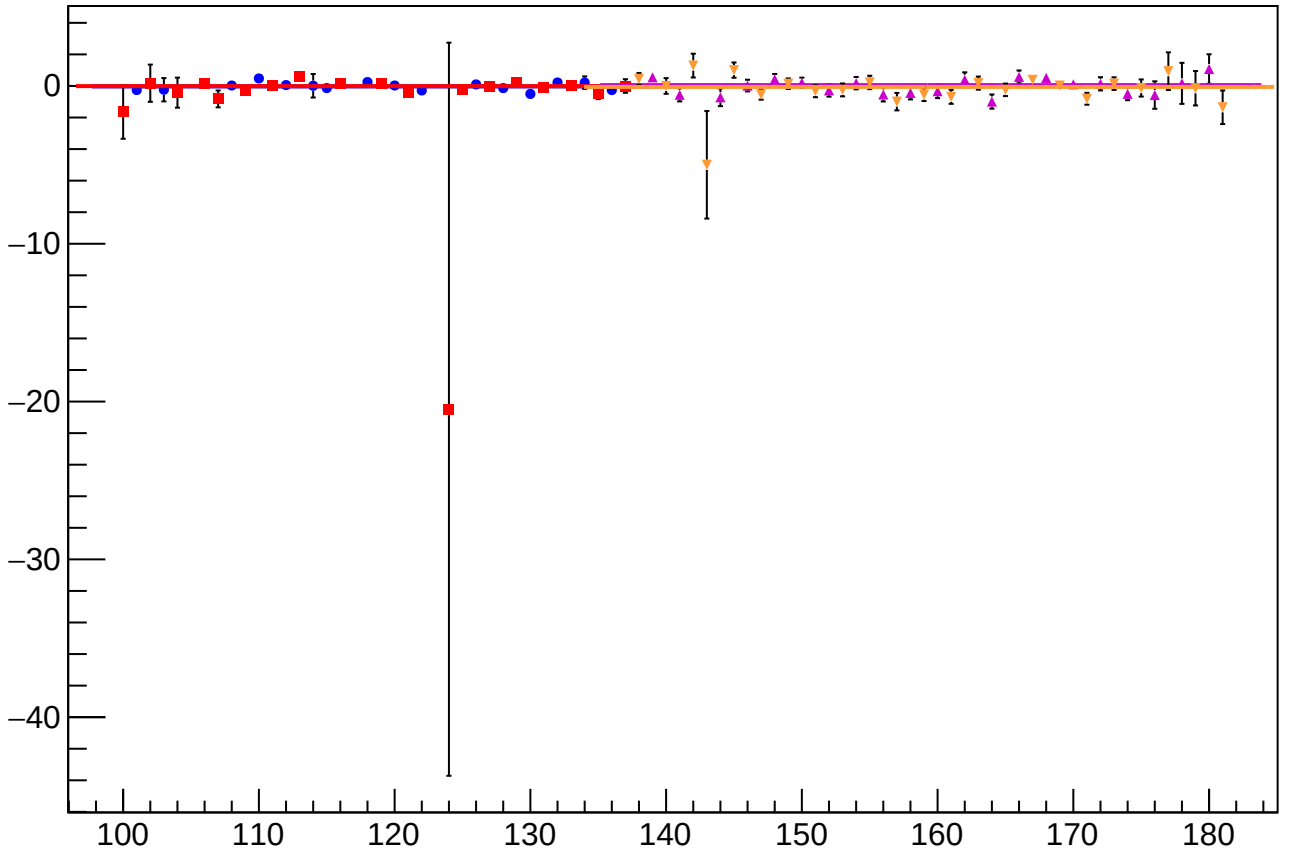
Right Out: 133.253+/-0.040 χ^2/NDF: 2220606.0/18

Left In: 322.136+/-0.059 χ^2/NDF:3762971.8/20

+ sign 202.399+/-0.034 χ^2/NDF: 13049224.2/38

All: 197.280+/-0.024 χ^2/NDF: 26072703.0/78

- sign 192.389+/-0.033 χ^2/NDF: 12978836.3/39



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: -0.060+/-0.086 χ^2/NDF:31.7/22

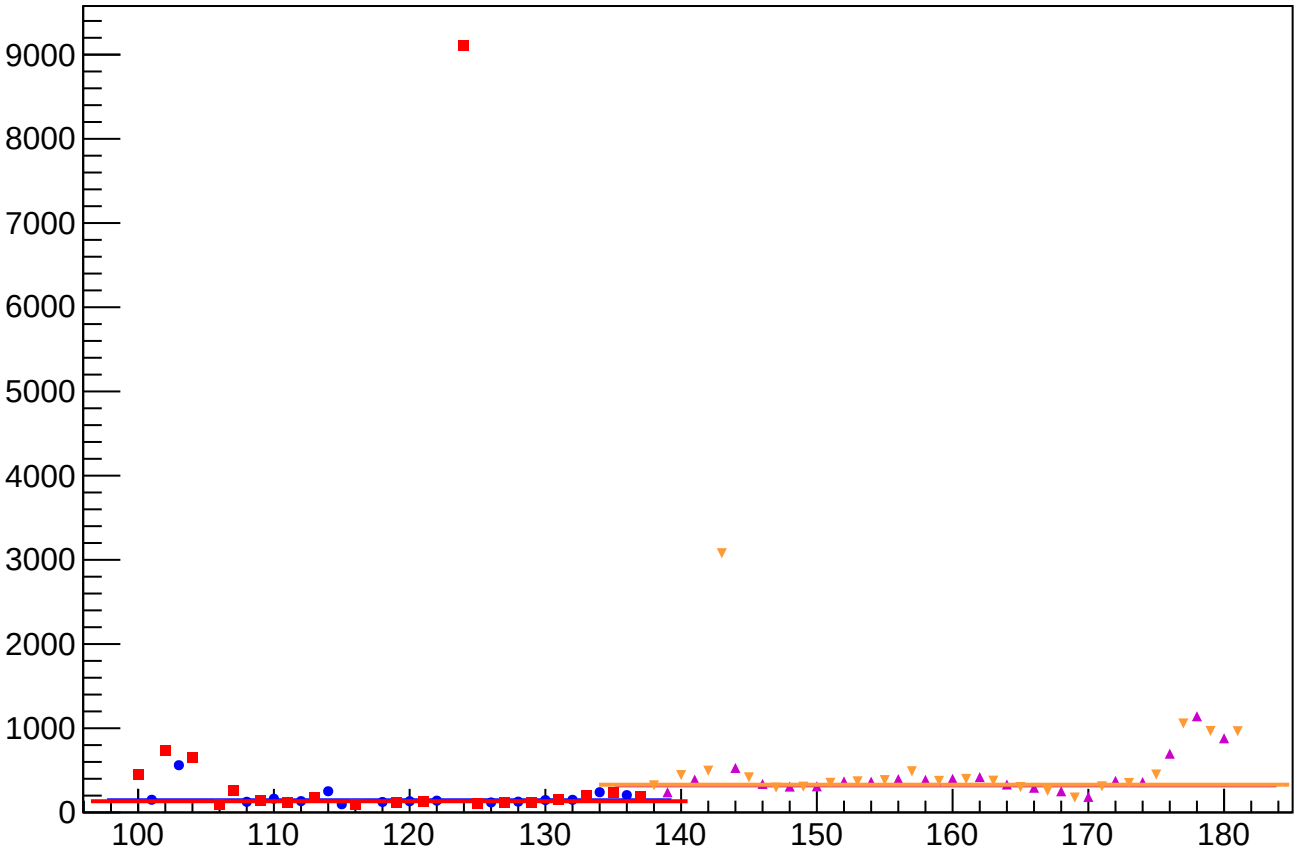
Right Out: -0.011+/-0.057 χ^2/NDF: 21.8/18

Left In: 0.054+/-0.084 χ^2/NDF:27.5/20

+ sign -0.039+/-0.048 χ^2/NDF: 49.0/38

All: -0.014+/-0.033 χ^2/NDF: 99.2/78

- sign 0.010+/-0.047 χ^2/NDF: 49.7/39



Right In: 144.289+/-0.041 χ^2/NDF: 1128804.3/15

Left Out: 329.650+/-0.061 χ^2/NDF:5478104.2/22

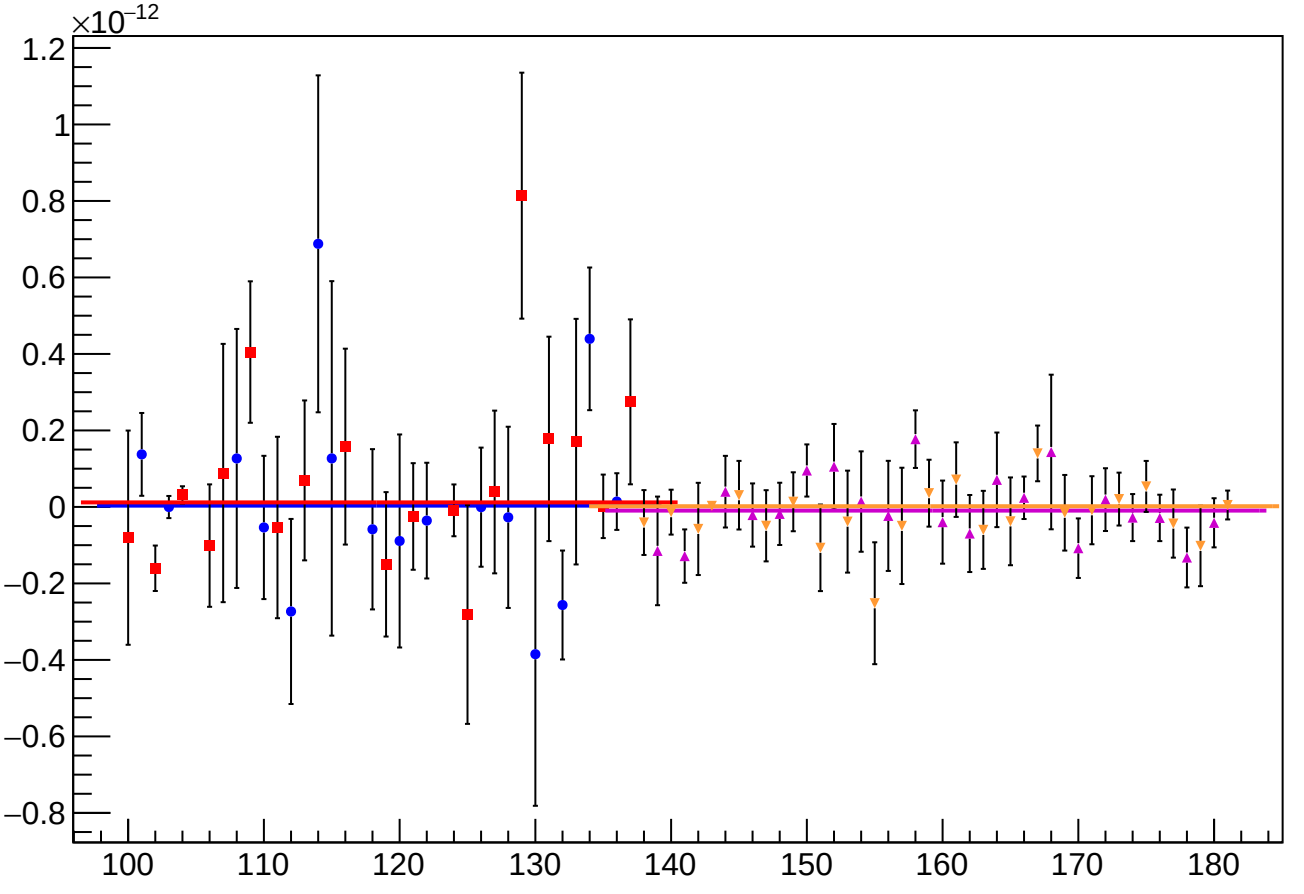
Right Out: 133.253+/-0.040 χ^2/NDF: 2220606.0/18

Left In: 322.136+/-0.059 χ^2/NDF:3762971.8/20

+ sign 202.399+/-0.034 χ^2/NDF: 13049224.2/38

All: 197.280+/-0.024 χ^2/NDF: 26072703.0/78

- sign 192.389+/-0.033 χ^2/NDF: 12978836.3/39



Right In: 0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.4/22

Right Out: 0.000+/-0.000 χ^2/NDF: 25.1/18

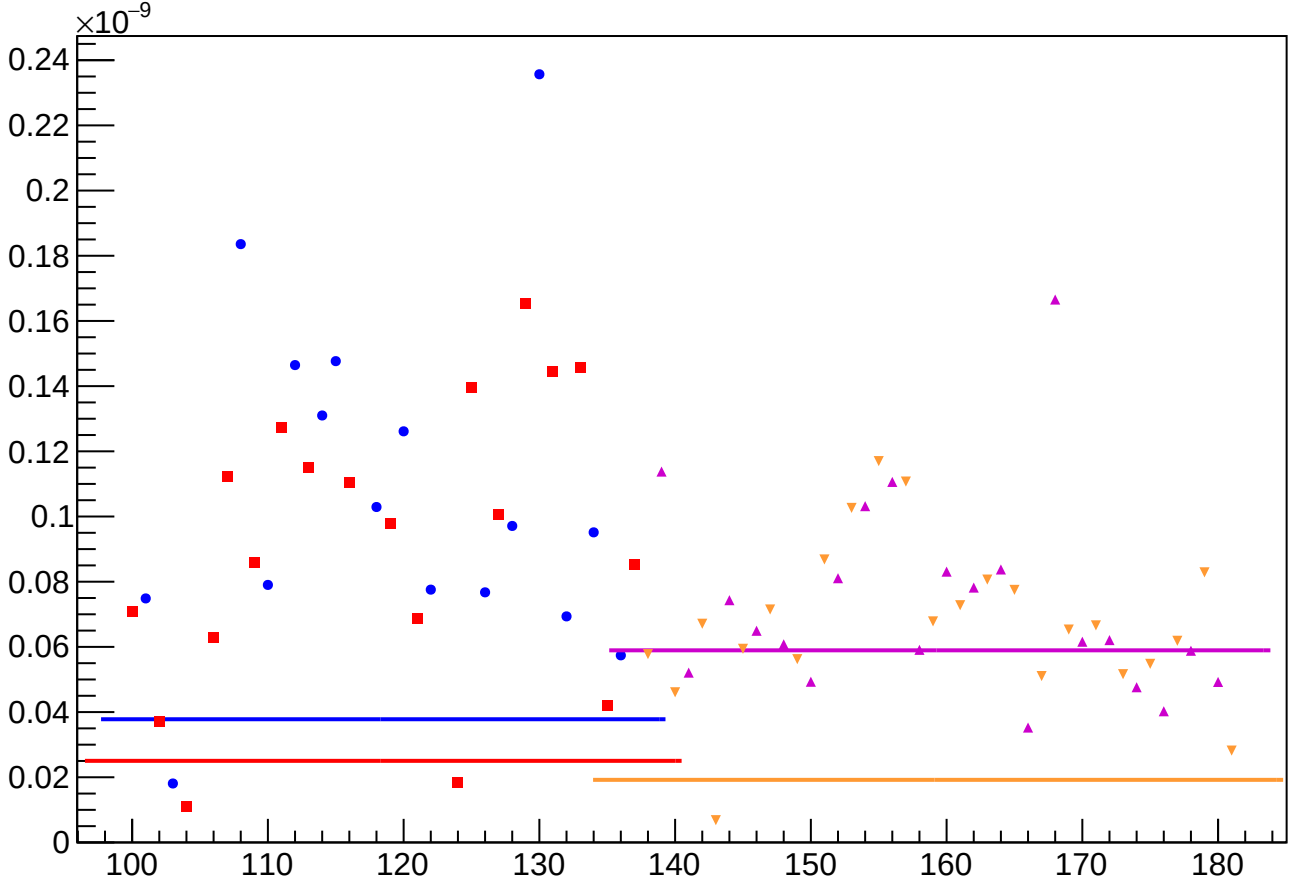
Left In: -0.000+/-0.000 χ^2/NDF:19.8/20

+ sign 0.000+/-0.000 χ^2/NDF: 27.0/38

All: 0.000+/-0.000 χ^2/NDF: 72.6/78

- sign 0.000+/-0.000 χ^2/NDF: 45.6/39

asym_atl_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 3942675.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:14815386.6/22

Right Out: 0.000+/-0.000 χ^2/NDF: 4701757.7/18

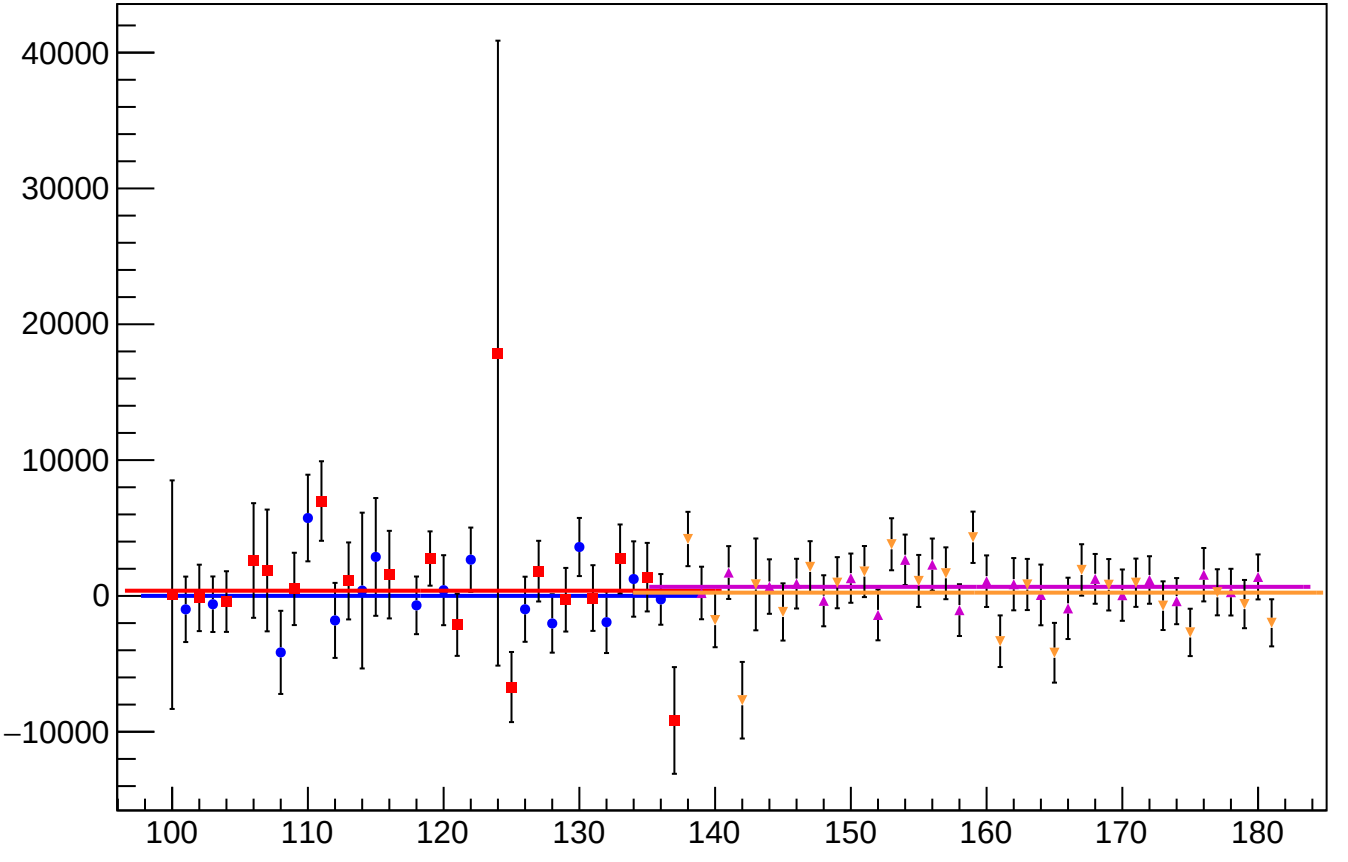
Left In: 0.000+/-0.000 χ^2/NDF:2478568.7/20

+ sign 0.000+/-0.000 χ^2/NDF: 19824980.2/38

All: 0.000+/-0.000 χ^2/NDF: 34286662.8/78

- sign 0.000+/-0.000 χ^2/NDF: 10628563.8/39

reg_asym_atl_dd_mean vs Slug



Right In: 4.373+/-619.905 χ^2/NDF: 12.4/15

Left Out: 241.558+/-402.905 χ^2/NDF:37.7/22

Right Out: 384.758+/-633.682 χ^2/NDF: 24.1/18

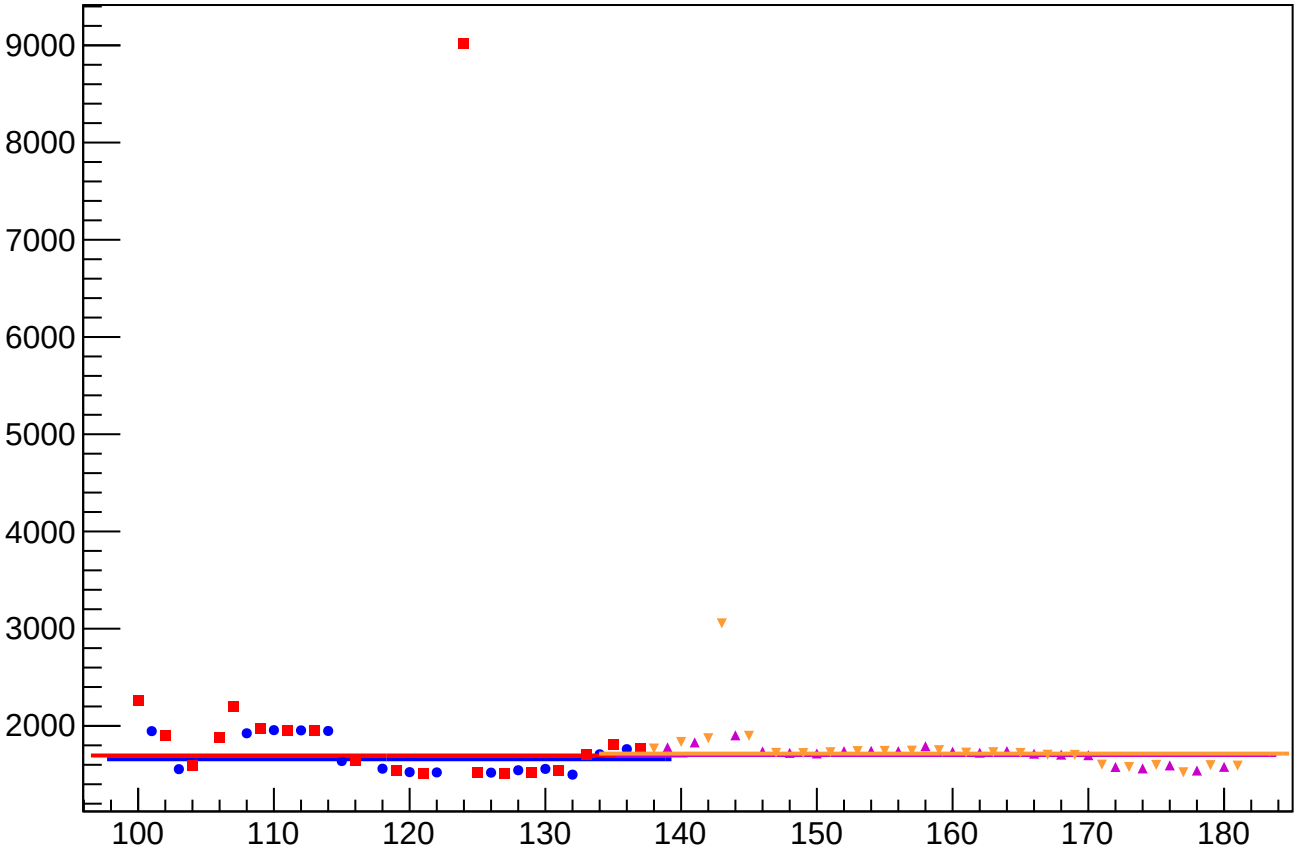
Left In: 669.418+/-410.098 χ^2/NDF:6.4/20

+ sign 171.119+/-337.821 χ^2/NDF: 50.3/38

All: 374.326+/-241.130 χ^2/NDF: 81.6/78

- sign 585.389+/-344.289 χ^2/NDF: 30.6/39

reg_asym_atl_dd_rms vs Slug



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.4/15

Left Out: 1715.000+/-0.285 χ^2/NDF:420073.4/22

Right Out: 1695.649+/-0.446 χ^2/NDF: 386216.2/18

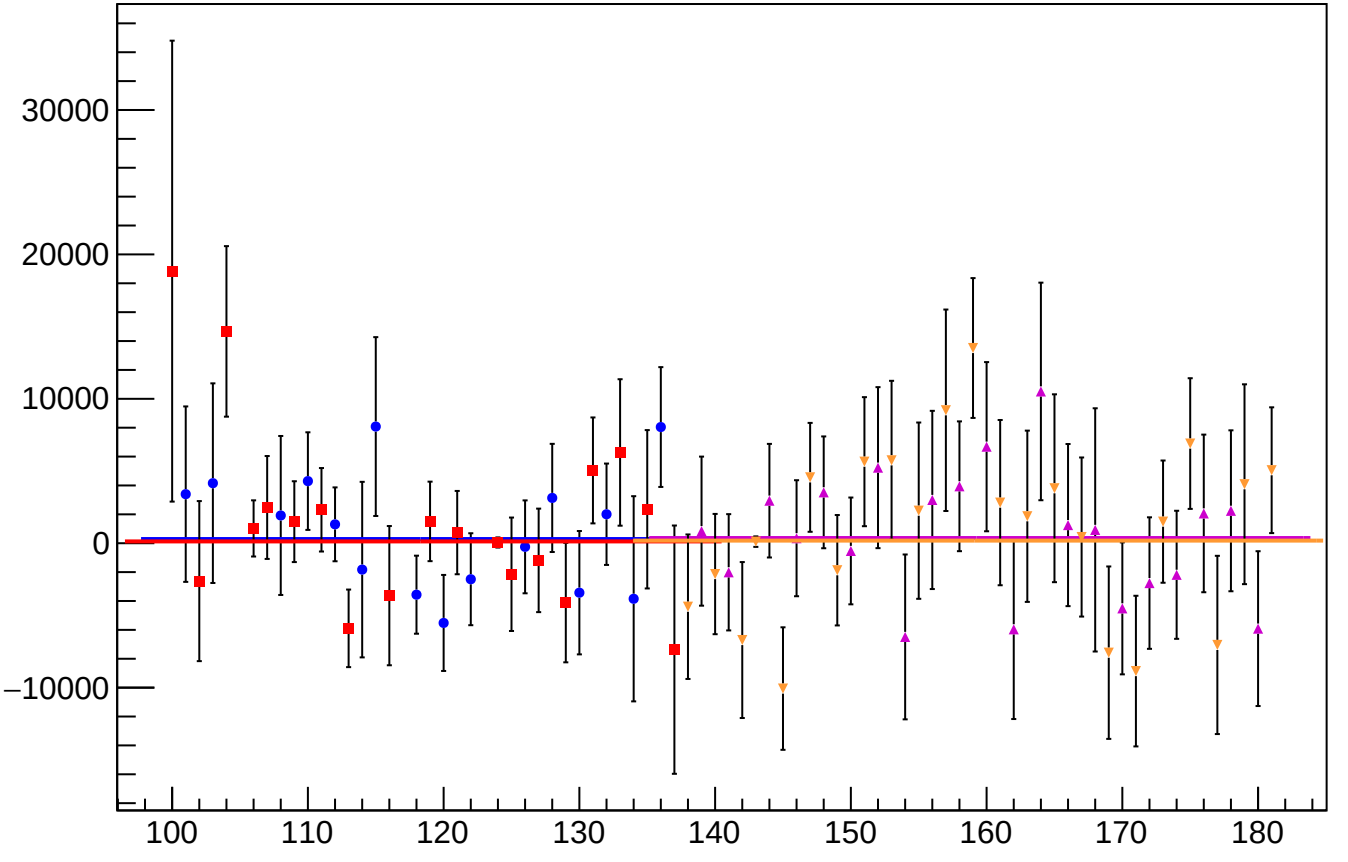
Left In: 1700.902+/-0.290 χ^2/NDF:99837.9/20

+ sign 1697.811+/-0.239 χ^2/NDF: 576313.8/38

All: 1698.562+/-0.170 χ^2/NDF: 1062485.6/78

- sign 1699.341+/-0.243 χ^2/NDF: 486151.7/39

asym_atl_dd_reg_correction_mean vs Slug



Right In: 289.262+/-961.071 χ^2/NDF: 15.2/15

Left Out: 181.671+/-344.488 χ^2/NDF:32.7/22

Right Out: 125.586+/-323.715 χ^2/NDF: 20.8/18

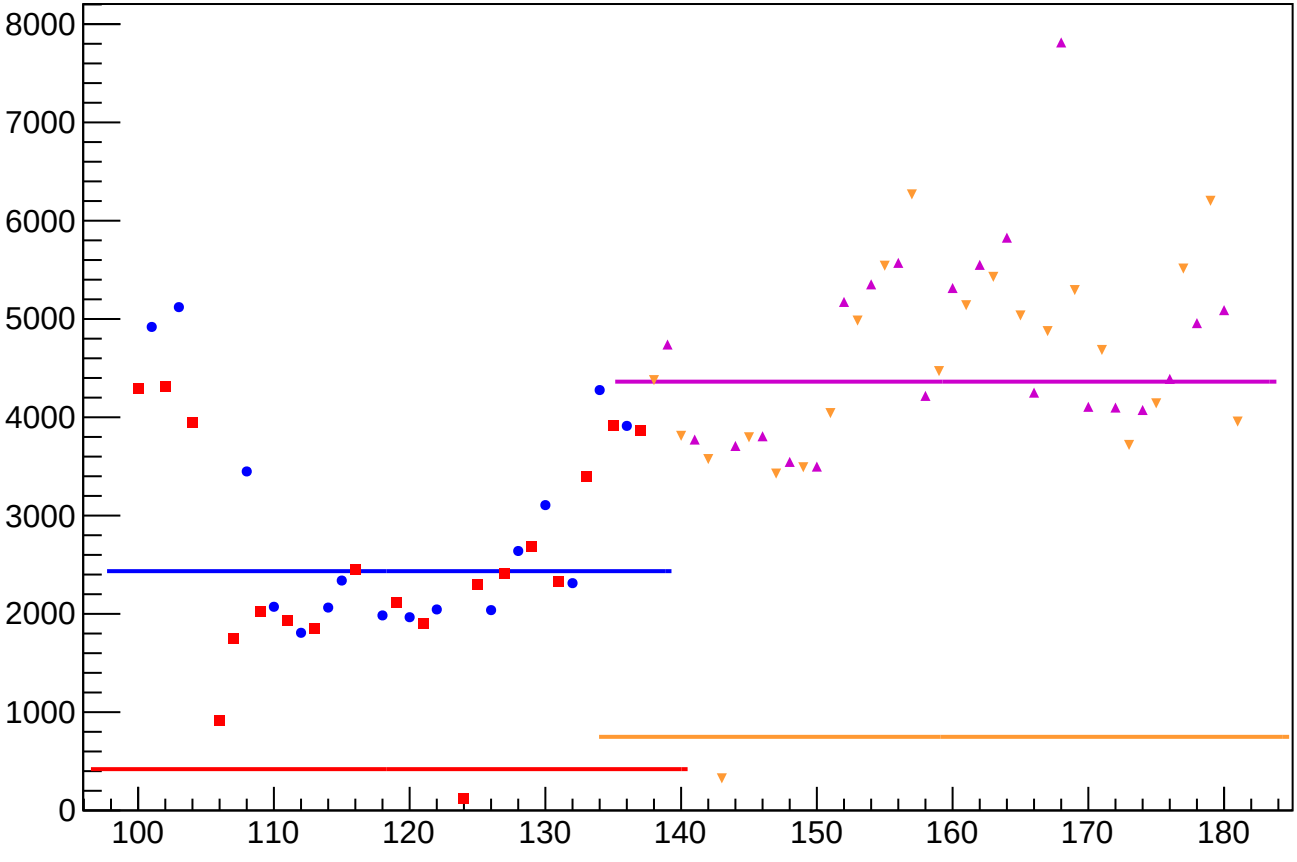
Left In: 359.093+/-1071.840 χ^2/NDF:12.1/20

+ sign 193.921+/-324.285 χ^2/NDF: 48.0/38

All: 168.405+/-224.042 χ^2/NDF: 80.9/78

- sign 145.105+/-309.890 χ^2/NDF: 33.0/39

asym_atl_dd_reg_correction_rms vs Slug



Right In: 2434.593+/-0.680 χ^2/NDF: 1457721.5/15

Left Out: 749.003+/-0.244 χ^2/NDF:26721252.6/22

Right Out: 420.292+/-0.229 χ^2/NDF: 11063973.9/18

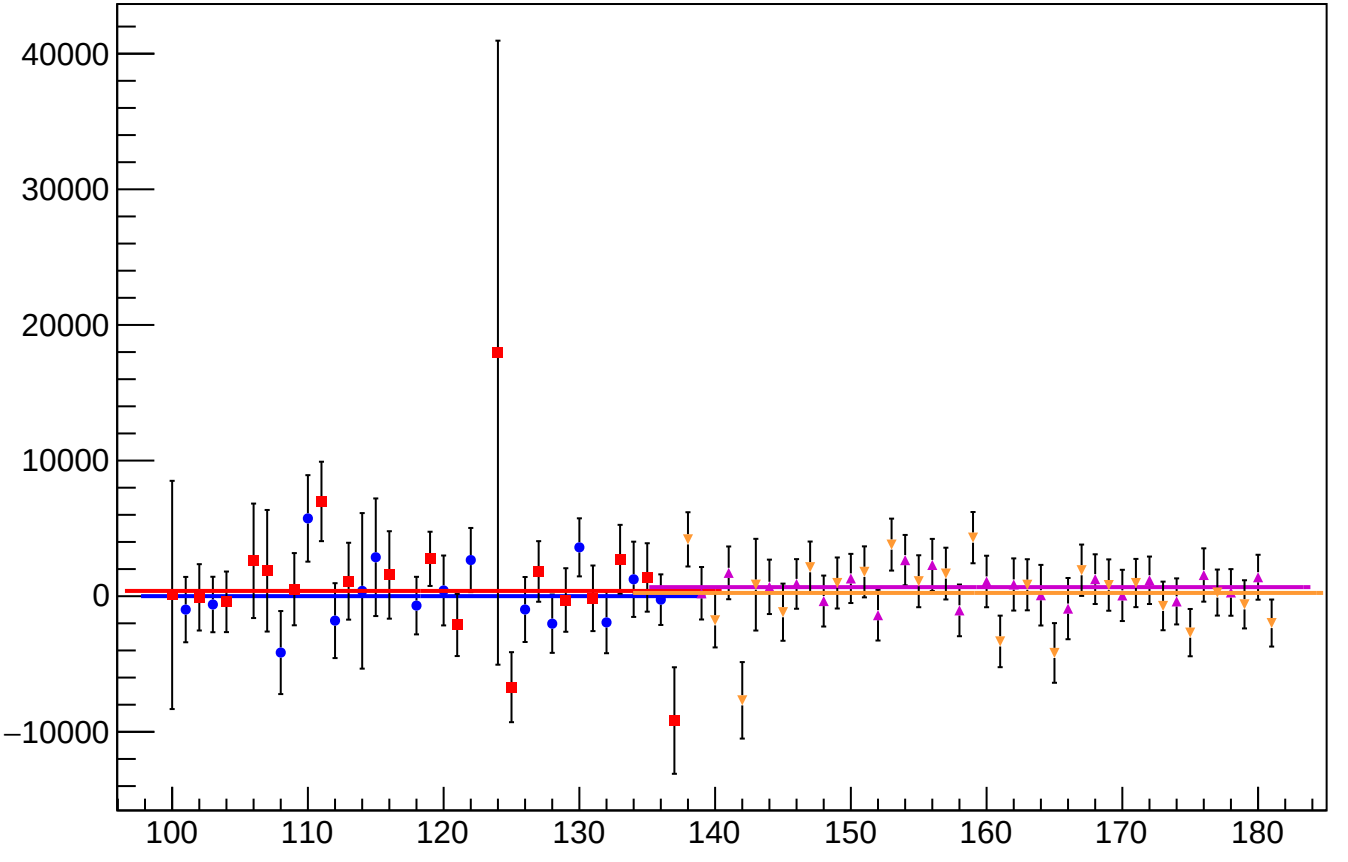
Left In: 4362.478+/-0.758 χ^2/NDF:1146160.3/20

+ sign 940.913+/-0.229 χ^2/NDF: 33630636.0/38

All: 841.031+/-0.158 χ^2/NDF: 70997063.0/78

- sign 749.820+/-0.219 χ^2/NDF: 37003427.3/39

cor_asym_atl_dd_mean vs Slug



Right In: 4.295+/-619.905 χ^2/NDF: 12.4/15

Left Out: 241.542+/-402.905 χ^2/NDF:37.7/22

Right Out: 389.054+/-633.688 χ^2/NDF: 24.0/18

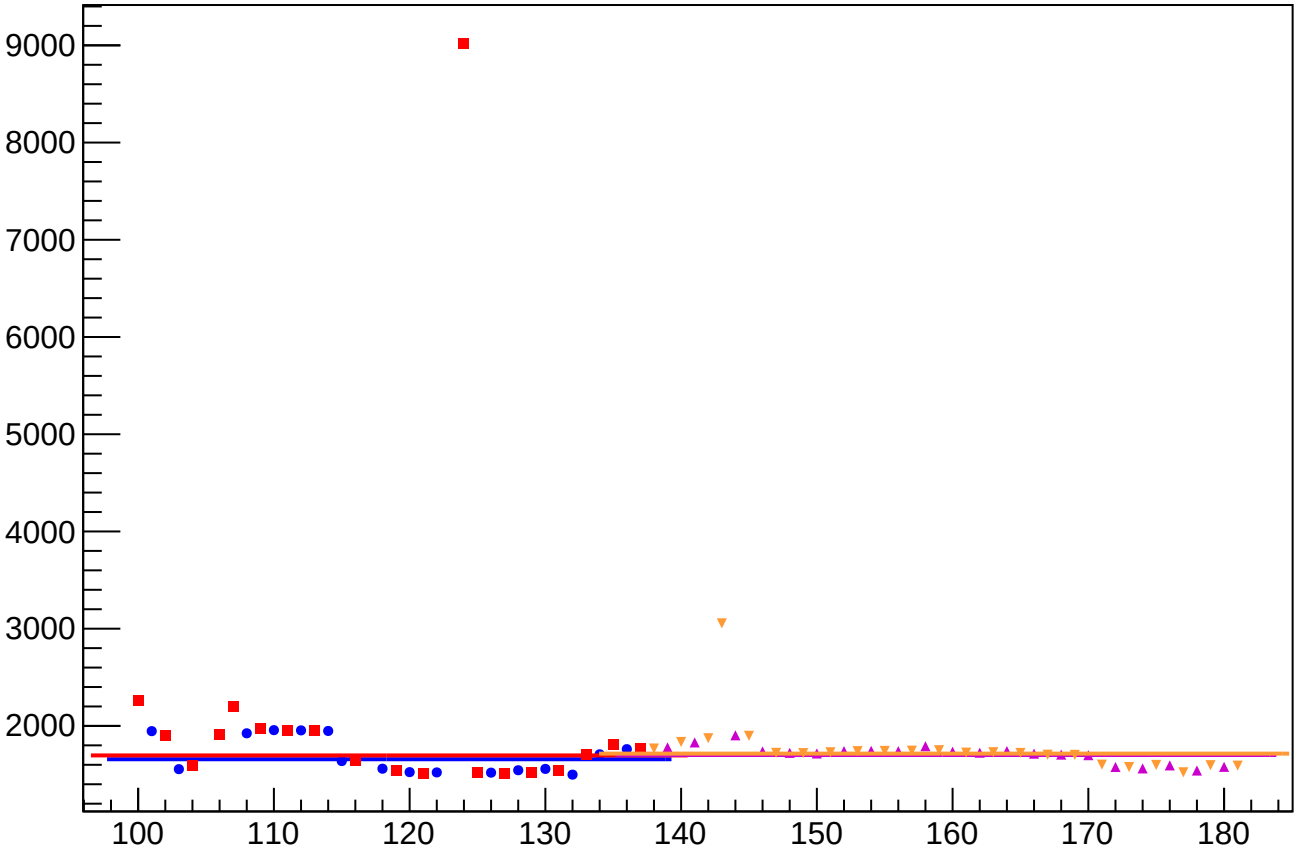
Left In: 669.341+/-410.098 χ^2/NDF:6.4/20

+ sign 171.085+/-337.821 χ^2/NDF: 50.3/38

All: 374.904+/-241.130 χ^2/NDF: 81.6/78

- sign 586.604+/-344.290 χ^2/NDF: 30.6/39

cor_asym_atl_dd_rms vs Slug



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.5/15

Left Out: 1715.000+/-0.285 χ^2/NDF:420073.4/22

Right Out: 1696.442+/-0.446 χ^2/NDF: 387974.4/18

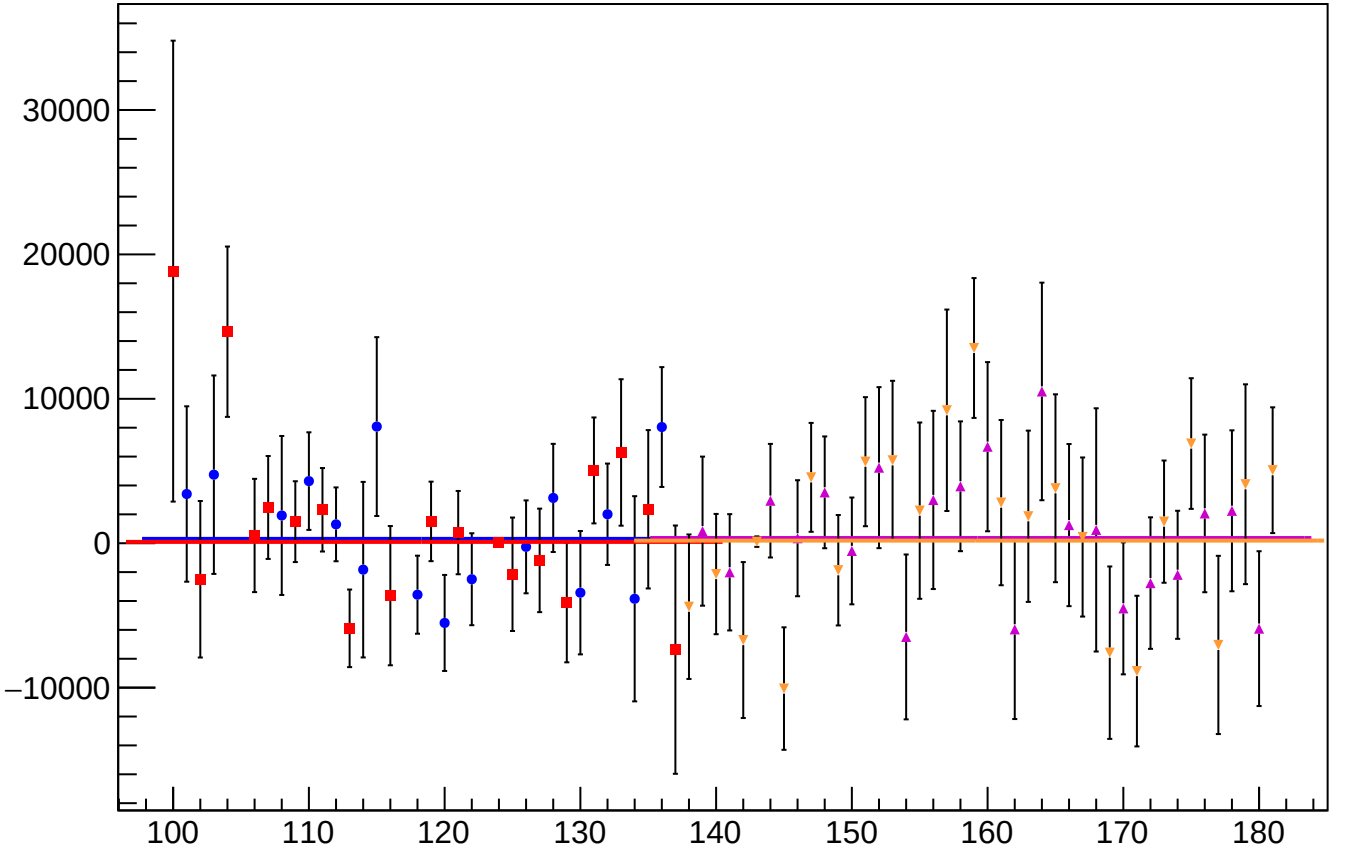
Left In: 1700.902+/-0.290 χ^2/NDF:99837.9/20

+ sign 1697.811+/-0.239 χ^2/NDF: 576313.9/38

All: 1698.678+/-0.170 χ^2/NDF: 1064223.4/78

- sign 1699.578+/-0.243 χ^2/NDF: 487882.6/39

asym_atl_dd_cor_correction_mean vs Slug



Right In: 301.839+/-960.952 χ^2/NDF: 15.3/15

Left Out: 182.088+/-344.464 χ^2/NDF:32.7/22

Right Out: 92.243+/-315.757 χ^2/NDF: 20.6/18

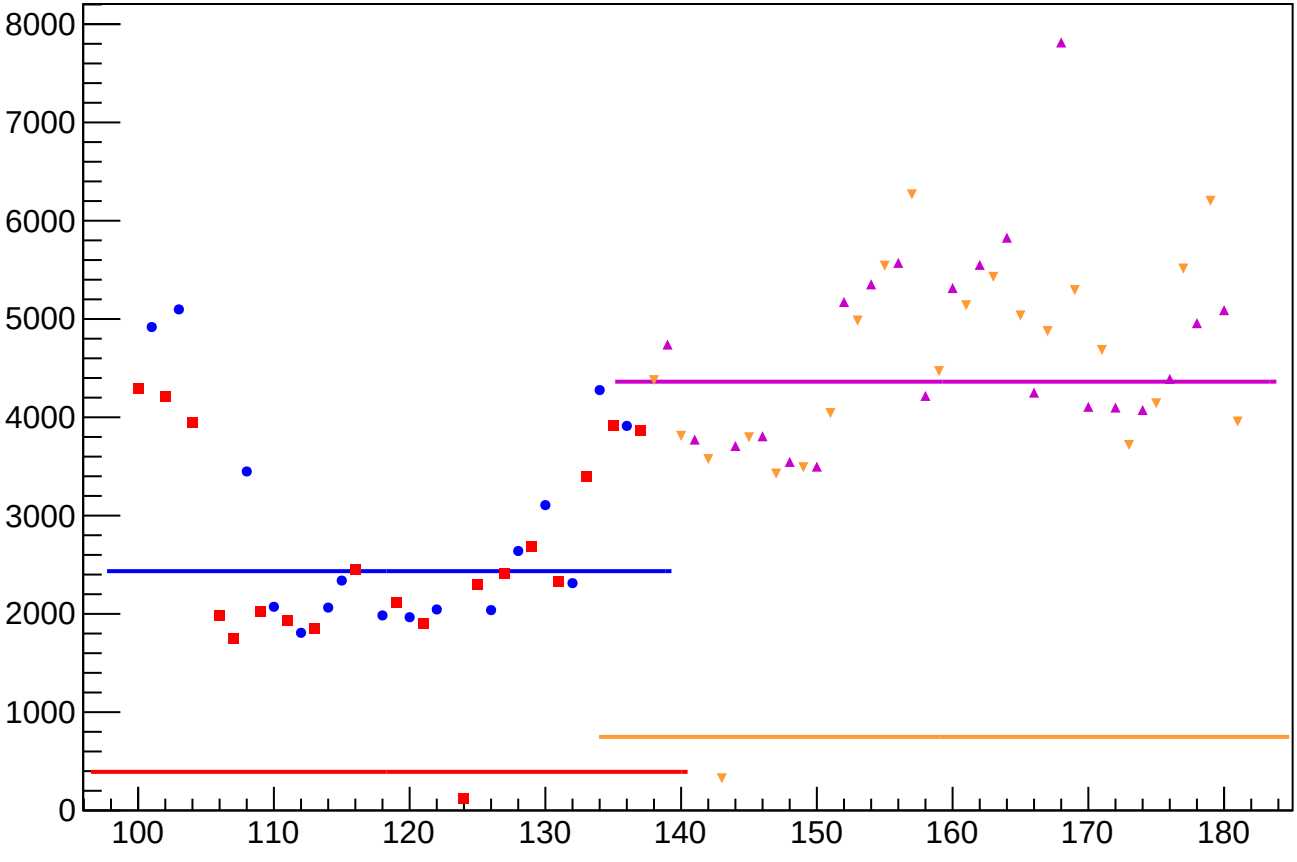
Left In: 359.090+/-1071.839 χ^2/NDF:12.1/20

+ sign 195.723+/-324.261 χ^2/NDF: 48.1/38

All: 151.840+/-221.344 χ^2/NDF: 80.9/78

- sign 113.552+/-302.888 χ^2/NDF: 32.8/39

asym_atl_dd_cor_correction_rms vs Slug



Right In: 2434.758+/-0.679 χ^2/NDF: 1456027.7/15

Left Out: 748.917+/-0.244 χ^2/NDF:26722041.9/22

Right Out: 392.666+/-0.223 χ^2/NDF: 11408006.3/18

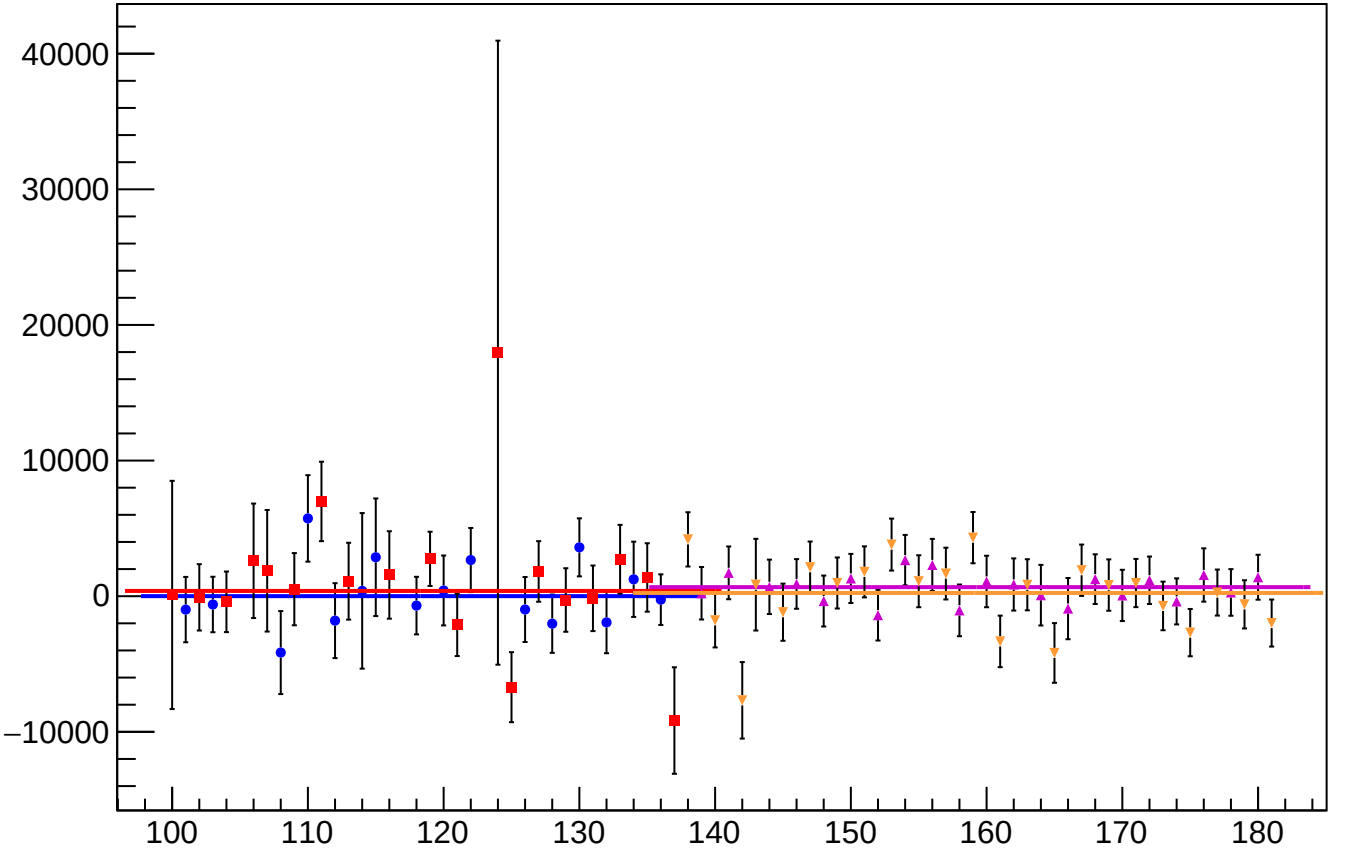
Left In: 4362.473+/-0.758 χ^2/NDF:1146152.4/20

+ sign 940.873+/-0.229 χ^2/NDF: 33632635.1/38

All: 817.405+/-0.157 χ^2/NDF: 71974241.9/78

- sign 709.676+/-0.214 χ^2/NDF: 37798630.9/39

eigen_cor_asym_atl_dd_mean vs Slug



Right In: 4.295+/-619.905 χ^2/NDF: 12.4/15

Left Out: 241.542+/-402.905 χ^2/NDF:37.7/22

Right Out: 389.054+/-633.688 χ^2/NDF: 24.0/18

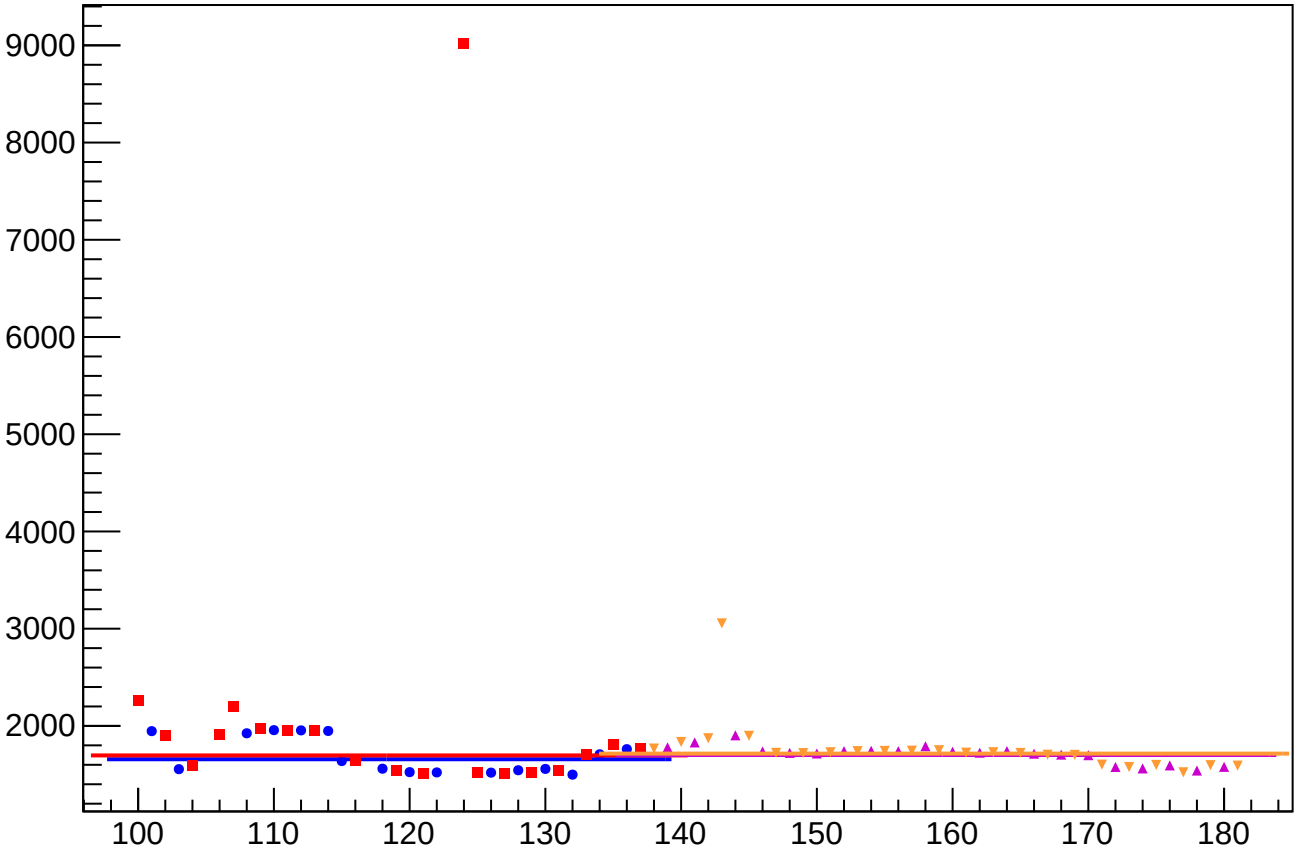
Left In: 669.341+/-410.098 χ^2/NDF:6.4/20

+ sign 171.085+/-337.821 χ^2/NDF: 50.3/38

All: 374.904+/-241.130 χ^2/NDF: 81.6/78

- sign 586.604+/-344.290 χ^2/NDF: 30.6/39

eigen_cor_asym_atl_dd_rms vs Slug



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.5/15

Left Out: 1715.000+/-0.285 χ^2/NDF:420073.4/22

Right Out: 1696.442+/-0.446 χ^2/NDF: 387974.4/18

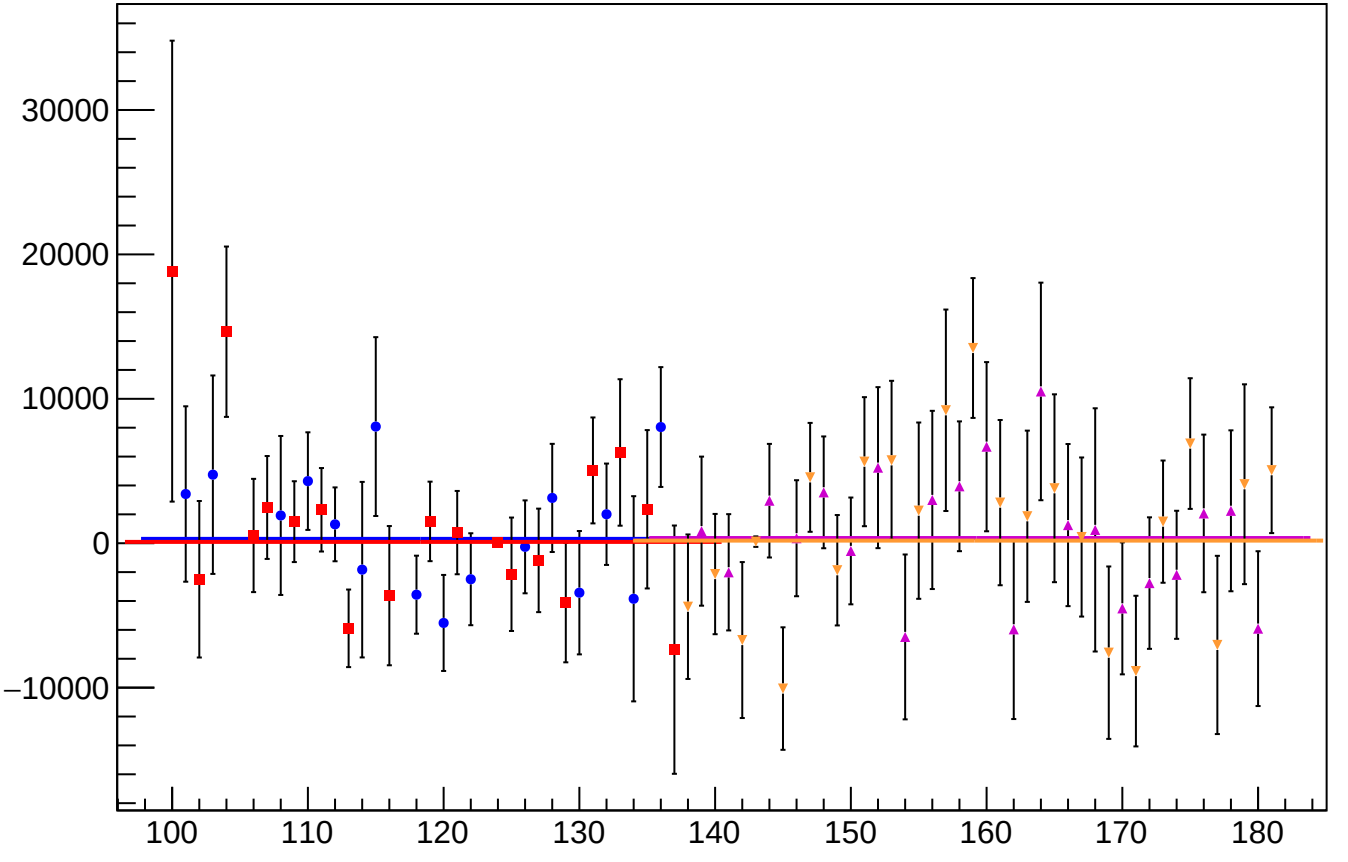
Left In: 1700.902+/-0.290 χ^2/NDF:99837.9/20

+ sign 1697.811+/-0.239 χ^2/NDF: 576313.9/38

All: 1698.678+/-0.170 χ^2/NDF: 1064223.4/78

- sign 1699.578+/-0.243 χ^2/NDF: 487882.6/39

asym_atl_dd_eigen_cor_correction_mean vs Slug



Right In: 301.839+/-960.952 χ^2/NDF: 15.3/15

Left Out: 182.088+/-344.464 χ^2/NDF:32.7/22

Right Out: 92.243+/-315.757 χ^2/NDF: 20.6/18

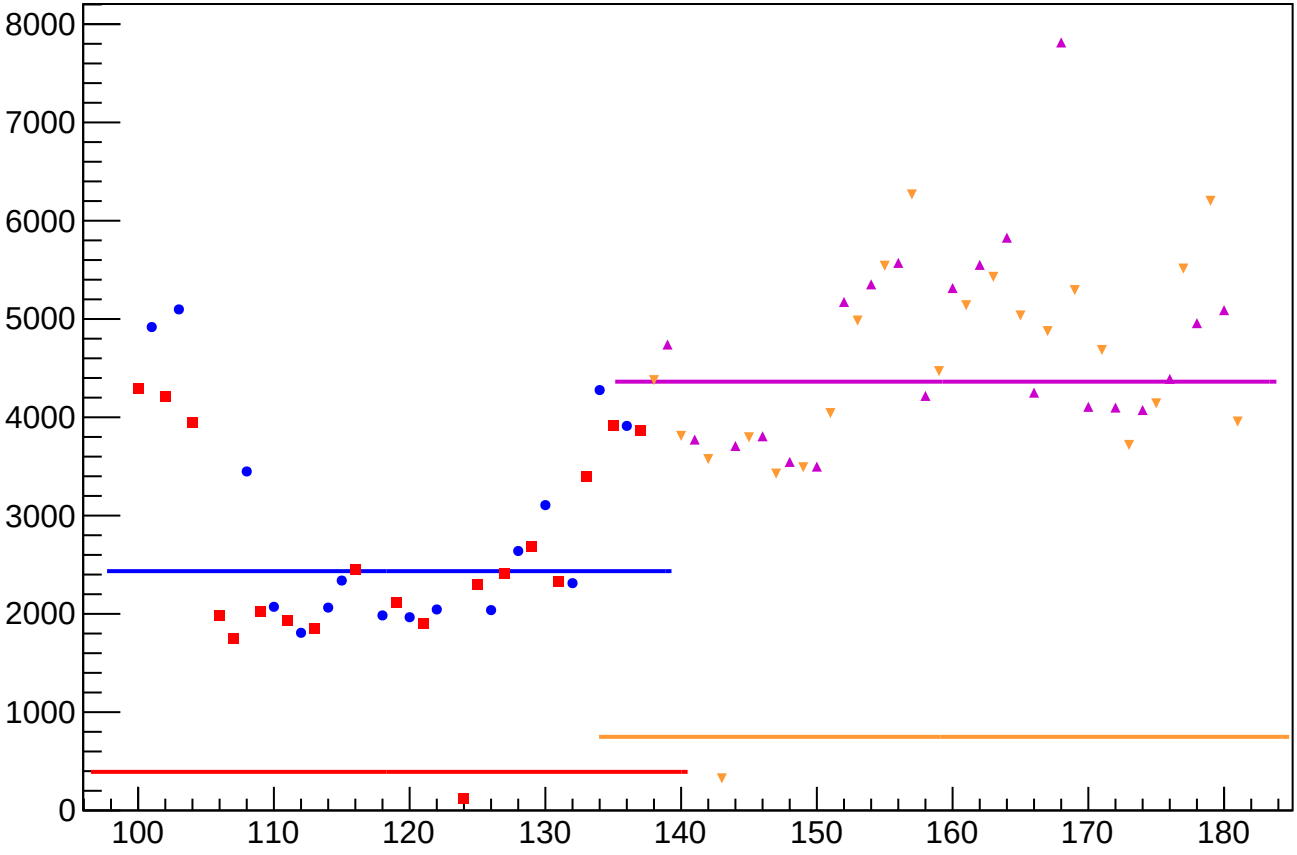
Left In: 359.090+/-1071.839 χ^2/NDF:12.1/20

+ sign 195.723+/-324.261 χ^2/NDF: 48.1/38

All: 151.840+/-221.344 χ^2/NDF: 80.9/78

- sign 113.552+/-302.888 χ^2/NDF: 32.8/39

asym_atl_dd_eigen_cor_correction_rms vs Slug



Right In: 2434.758+/-0.679 χ^2/NDF: 1456027.7/15

Left Out: 748.917+/-0.244 χ^2/NDF:26722041.9/22

Right Out: 392.666+/-0.223 χ^2/NDF: 11408006.3/18

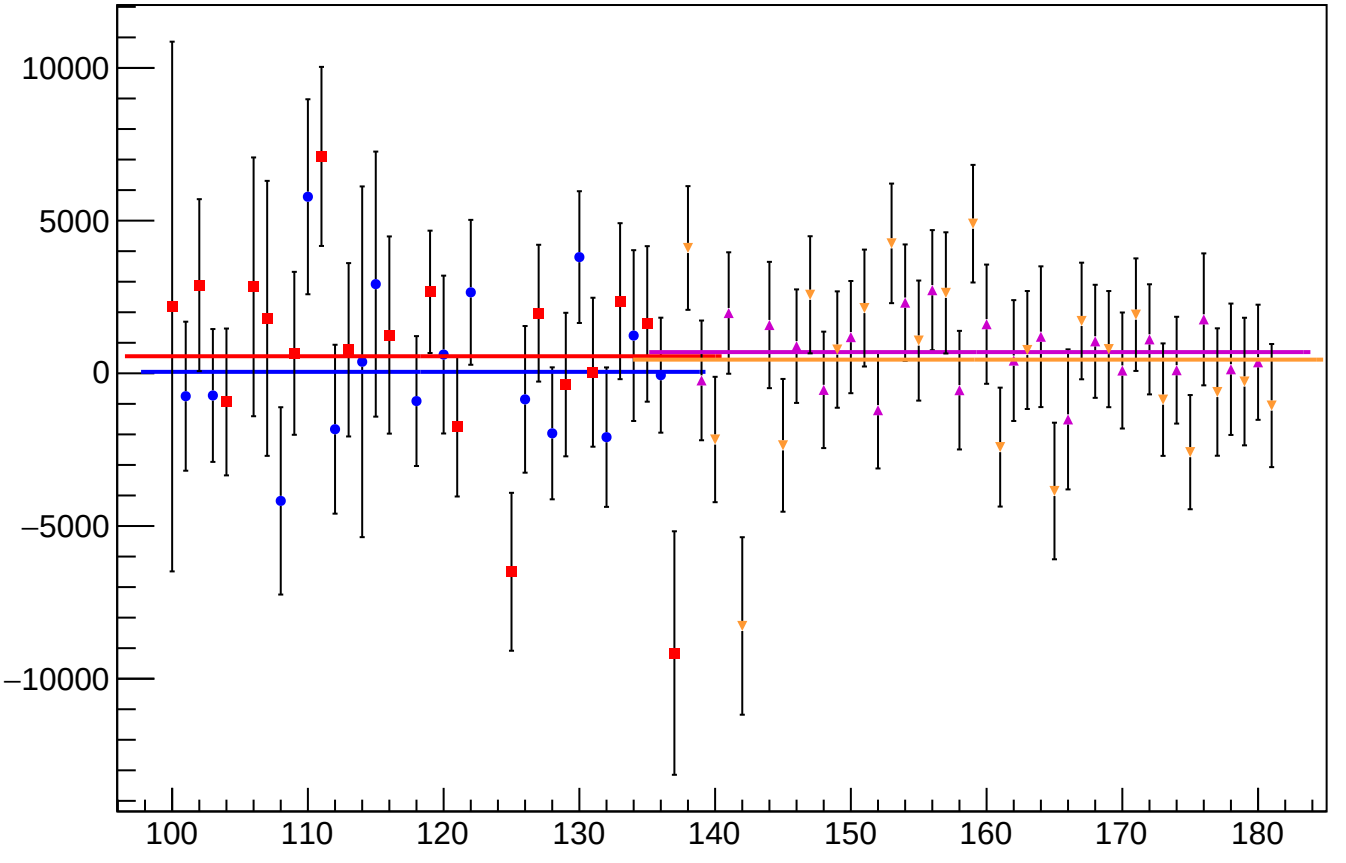
Left In: 4362.473+/-0.758 χ^2/NDF:1146152.4/20

+ sign 940.873+/-0.229 χ^2/NDF: 33632635.1/38

All: 817.405+/-0.157 χ^2/NDF: 71974241.9/78

- sign 709.676+/-0.214 χ^2/NDF: 37798630.9/39

dit_asym_atl_dd_mean vs Slug



Right In: 48.331+/-626.151 χ^2/NDF: 12.8/15

Left Out: 448.273+/-424.955 χ^2/NDF:39.1/21

Right Out: 559.598+/-645.291 χ^2/NDF: 23.3/17

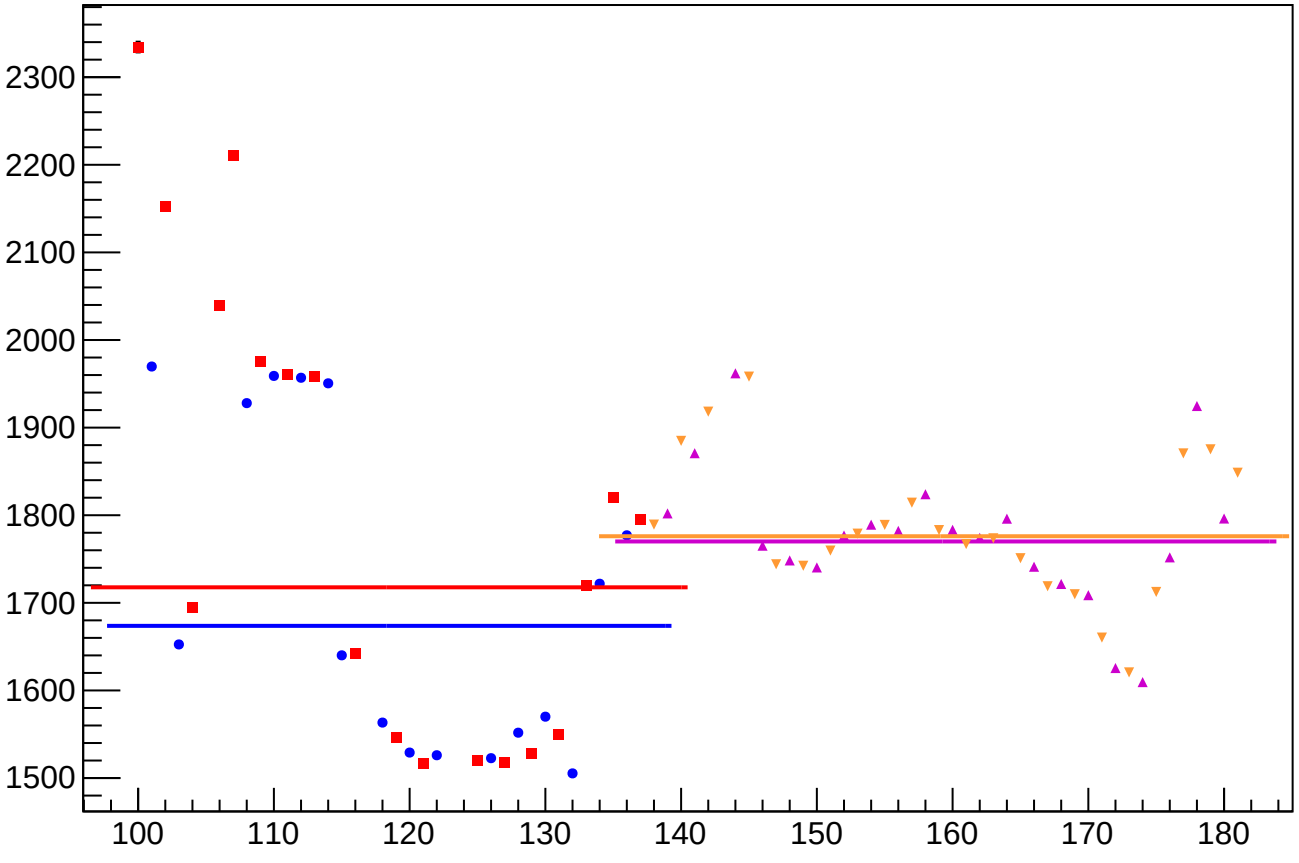
Left In: 695.222+/-426.658 χ^2/NDF:6.4/20

+ sign 322.150+/-351.623 χ^2/NDF: 52.2/37

All: 486.053+/-250.133 χ^2/NDF: 82.3/76

- sign 653.967+/-355.899 χ^2/NDF: 29.7/38

dit_asym_atl_dd_rms vs Slug



Right In: 1673.729+/-0.443 χ^2/NDF: 140873.1/15

Left Out: 1776.020+/-0.300 χ^2/NDF:66896.6/21

Right Out: 1717.713+/-0.455 χ^2/NDF: 227642.0/17

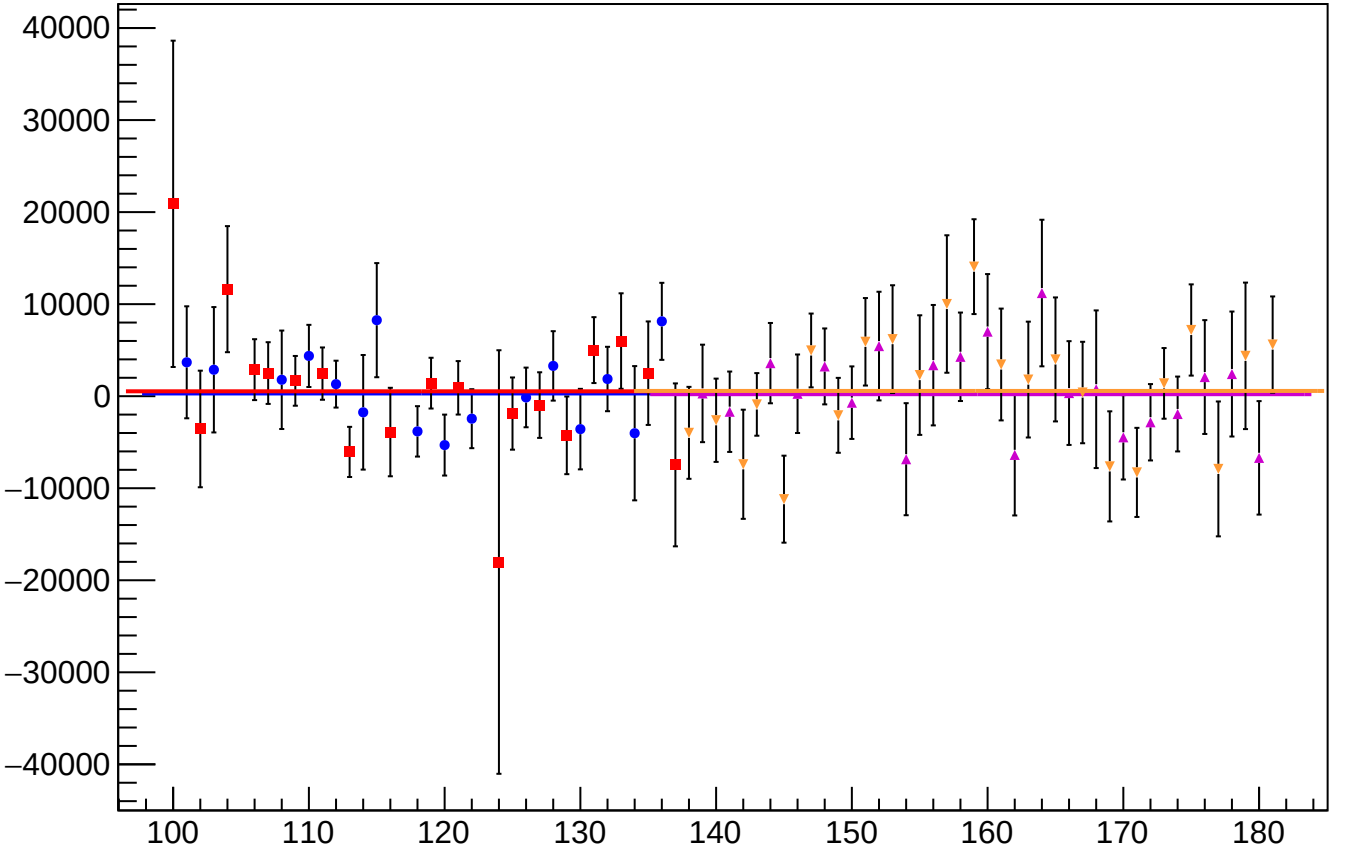
Left In: 1770.053+/-0.302 χ^2/NDF:70224.1/20

\+ sign 1743.762+/-0.249 χ^2/NDF: 244313.5/37

All: 1748.862+/-0.177 χ^2/NDF: 552215.9/76

\- sign 1754.081+/-0.251 χ^2/NDF: 307050.9/38

asym_atl_dd_dit_correction_mean vs Slug



Right In: 296.517+/-964.677 χ^2/NDF: 15.3/15

Left Out: 569.909+/-1065.186 χ^2/NDF:31.9/22

Right Out: 531.007+/-883.969 χ^2/NDF: 18.8/18

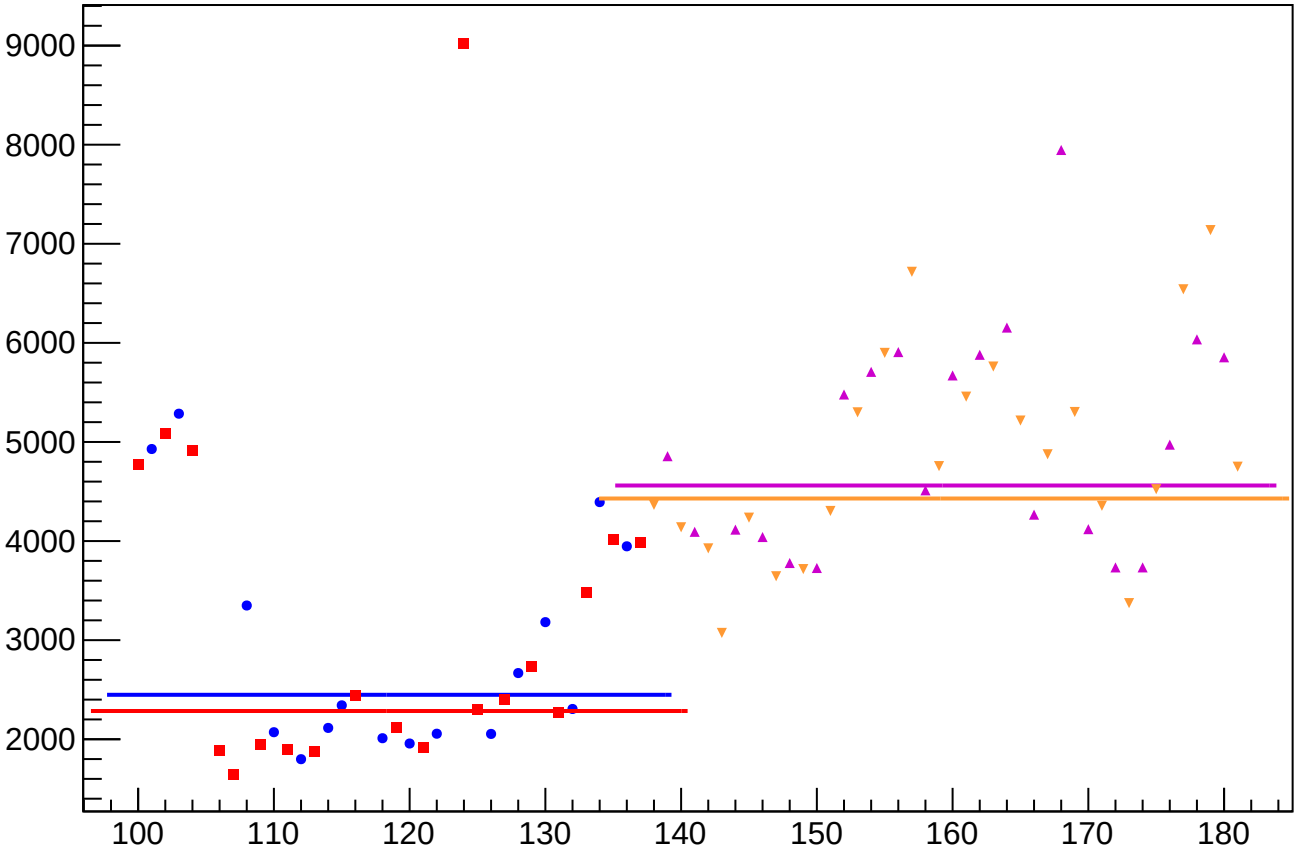
Left In: 216.919+/-1124.459 χ^2/NDF:11.9/20

\+ sign 419.709+/-715.029 χ^2/NDF: 47.2/38

All: 415.251+/-498.348 χ^2/NDF: 77.9/78

\- sign 411.040+/-694.941 χ^2/NDF: 30.7/39

asym_atl_dd_dit_correction_rms vs Slug



Right In: 2448.598+/-0.682 χ^2/NDF: 1517585.7/15

Left Out: 4429.501+/-0.753 χ^2/NDF:1613211.4/22

Right Out: 2285.075+/-0.625 χ^2/NDF: 1548819.2/18

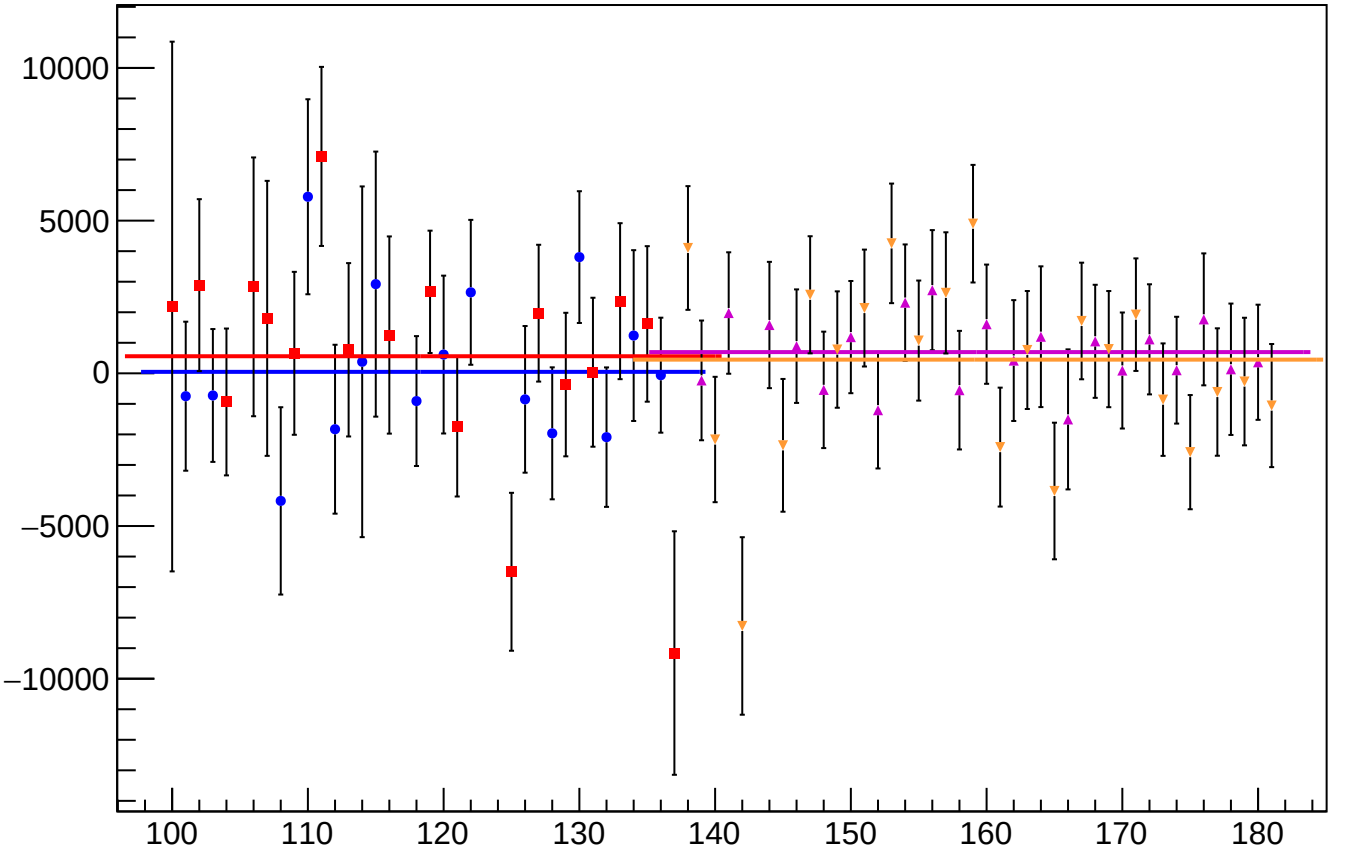
Left In: 4560.720+/-0.795 χ^2/NDF:1358584.5/20

+ sign 3341.205+/-0.506 χ^2/NDF: 6930847.0/38

All: 3245.071+/-0.352 χ^2/NDF: 14971158.1/7

- sign 3154.262+/-0.491 χ^2/NDF: 7970008.6/39

eigen_dit_asym_atl_dd_mean vs Slug



Right In: 48.329+/-626.151 χ^2/NDF: 12.8/15

Left Out: 448.274+/-424.955 χ^2/NDF:39.1/21

Right Out: 559.600+/-645.291 χ^2/NDF: 23.3/17

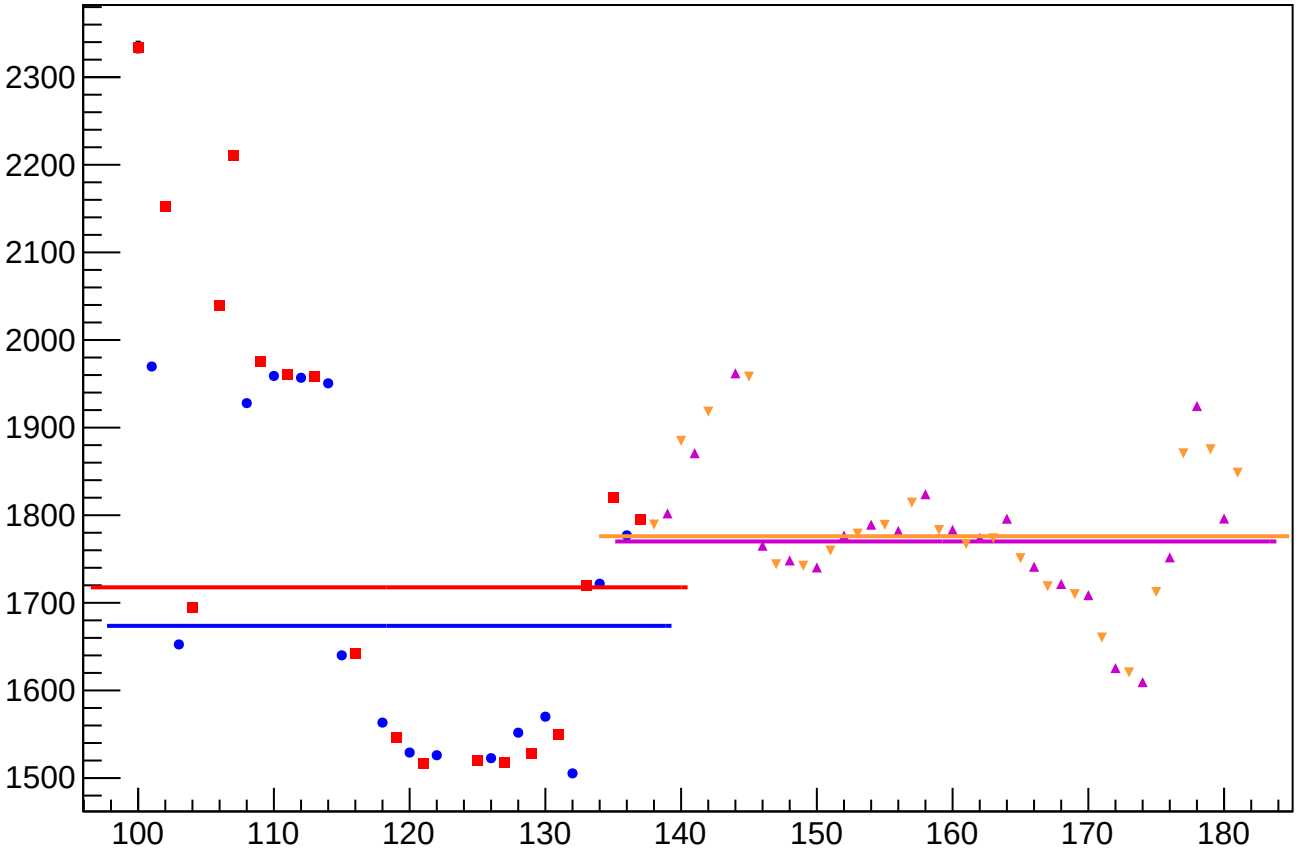
Left In: 695.222+/-426.659 χ^2/NDF:6.4/20

\+ sign 322.150+/-351.623 χ^2/NDF: 52.2/37

All: 486.053+/-250.133 χ^2/NDF: 82.3/76

\- sign 653.967+/-355.899 χ^2/NDF: 29.7/38

eigen_dit_asym_atl_dd_rms vs Slug



Right In: 1673.728+/-0.443 χ^2/NDF: 140873.1/15

Left Out: 1776.021+/-0.300 χ^2/NDF:66899.8/21

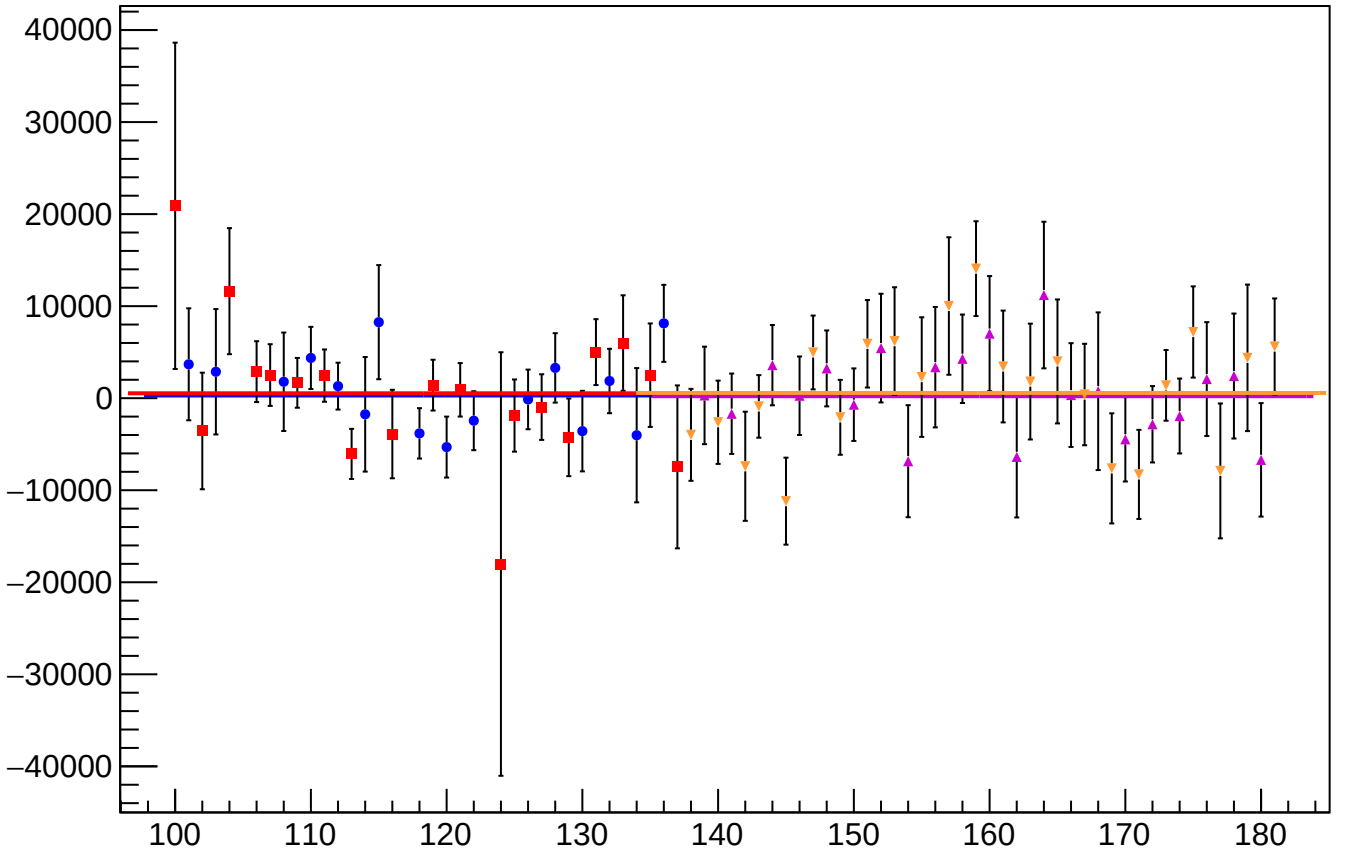
Right Out: 1717.713+/-0.455 χ^2/NDF: 227641.3/17

Left In: 1770.054+/-0.302 χ^2/NDF:70226.9/20

+ sign 1743.762+/-0.249 χ^2/NDF: 244317.6/37

All: 1748.863+/-0.177 χ^2/NDF: 552222.4/76

- sign 1754.081+/-0.251 χ^2/NDF: 307053.4/38



Right In: 296.511+/-964.673 χ^2/NDF: 15.3/15

Left Out: 569.913+/-1065.187 χ^2/NDF:31.9/22

Right Out: 531.009+/-883.966 χ^2/NDF: 18.8/18

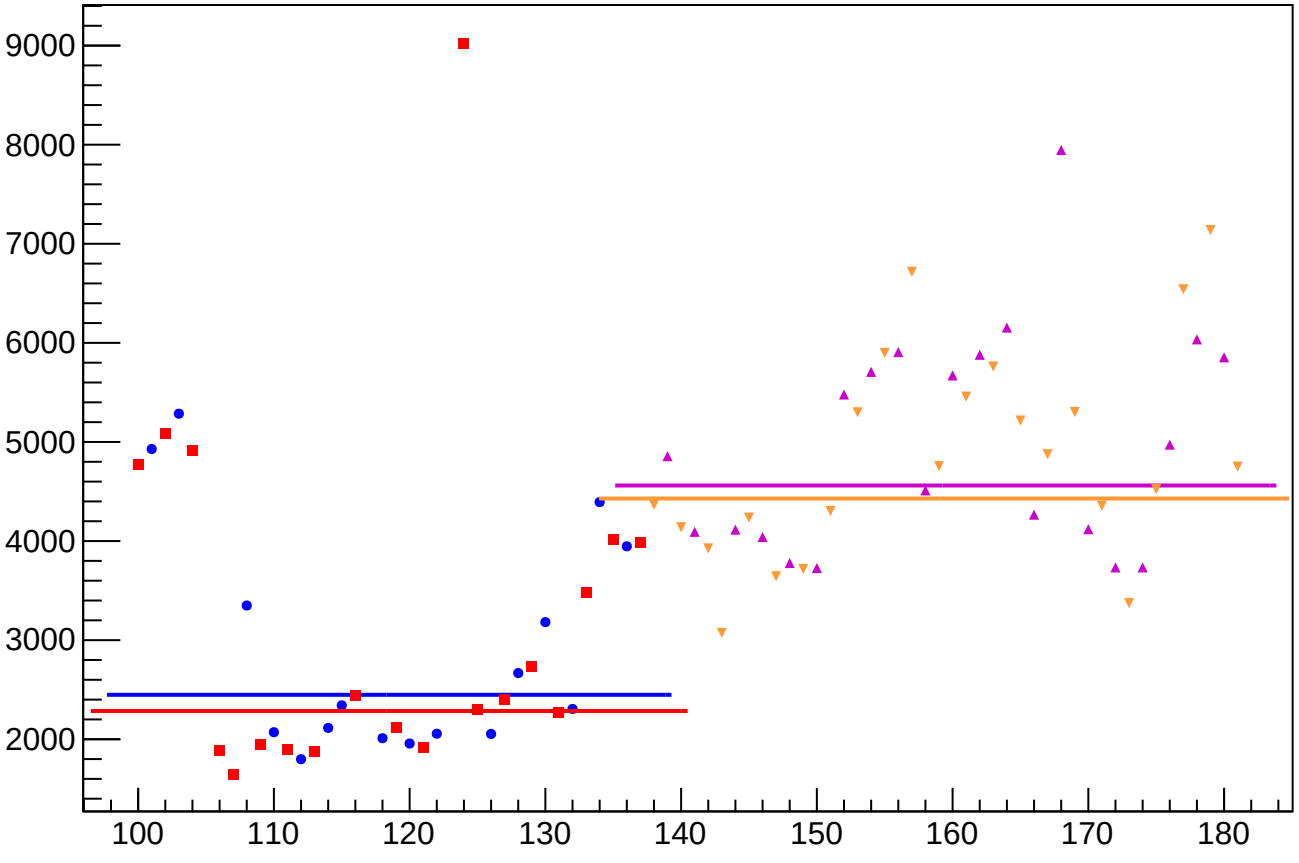
Left In: 216.919+/-1124.461 χ^2/NDF:11.9/20

\+ sign 419.707+/-715.028 χ^2/NDF: 47.2/38

All: 415.251+/-498.347 χ^2/NDF: 77.9/78

\- sign 411.043+/-694.940 χ^2/NDF: 30.7/39

asym_atl_dd_eigen_dit_correction_rms vs Slug



Right In: 2448.587+/-0.682 χ^2/NDF: 1517598.4/15

Left Out: 4429.507+/-0.753 χ^2/NDF:1613213.9/22

Right Out: 2285.066+/-0.625 χ^2/NDF: 1548827.3/18

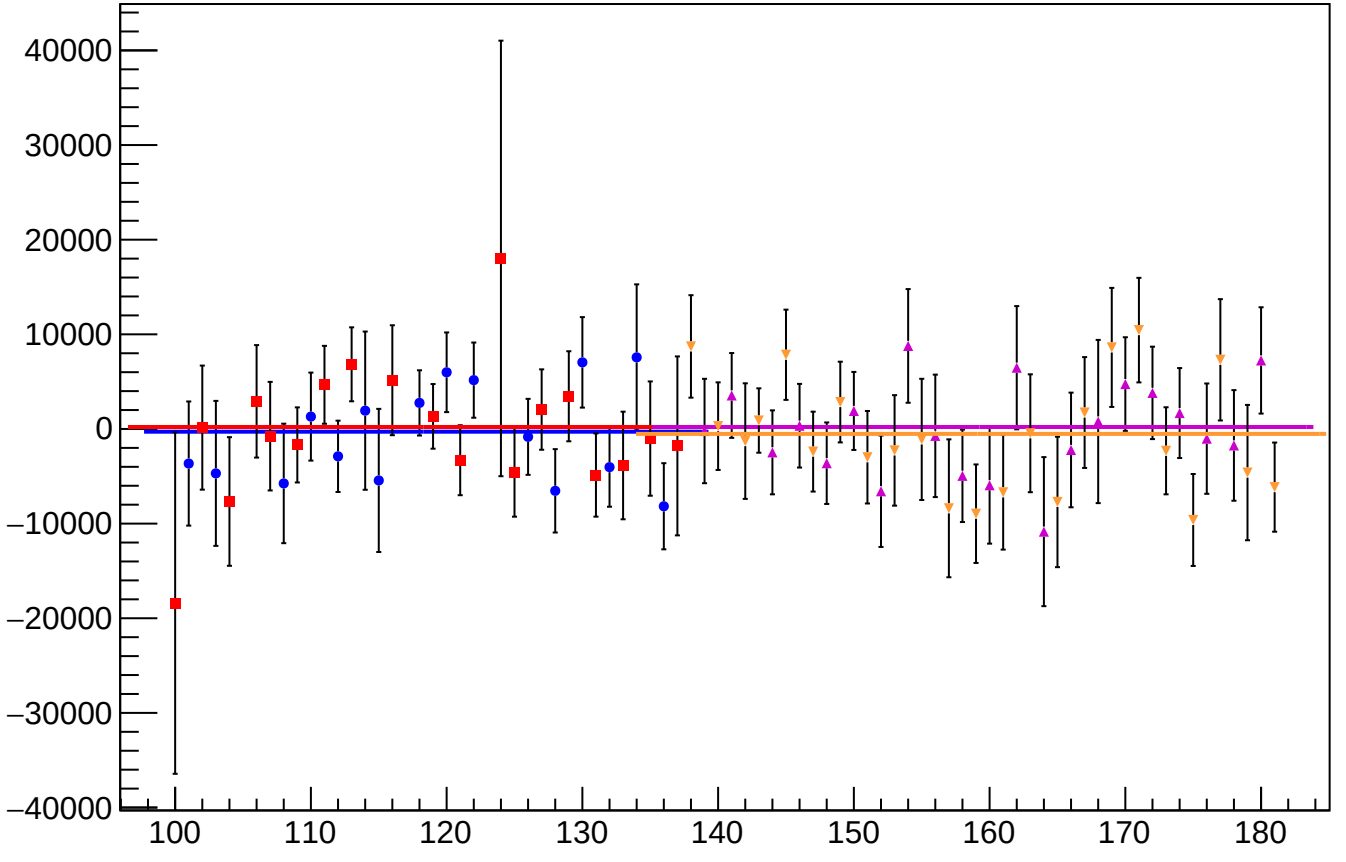
Left In: 4560.727+/-0.795 χ^2/NDF:1358585.5/20

+ sign 3341.197+/-0.506 χ^2/NDF: 6930936.4/38

All: 3245.062+/-0.352 χ^2/NDF: 14971331.0/7

- sign 3154.254+/-0.491 χ^2/NDF: 7970092.1/39

asym_atl_dd_mean vs Slug



Right In: -287.276+/-1197.339 χ^2/NDF: 16.6/15

Left Out: -520.028+/-1090.711 χ^2/NDF:26.4/22

Right Out: 209.473+/-1153.742 χ^2/NDF: 12.9/18

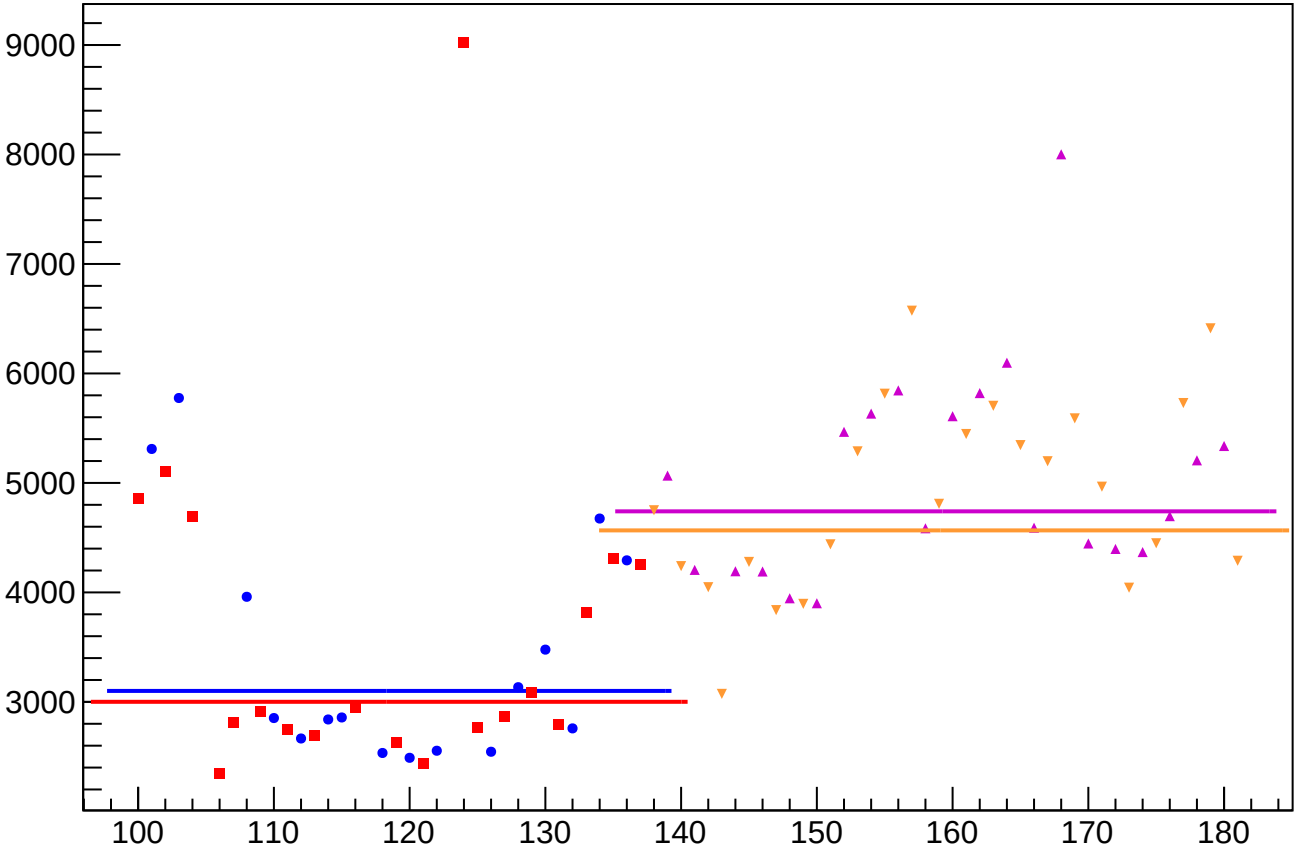
Left In: 209.422+/-1159.306 χ^2/NDF:13.6/20

+ sign -414.475+/-806.316 χ^2/NDF: 43.0/38

All: -106.917+/-574.161 χ^2/NDF: 69.8/78

- sign 209.448+/-817.779 χ^2/NDF: 26.5/39

asym_atl_dd_rms vs Slug



Right In: 3100.135+/-0.847 χ^2/NDF: 963669.6/15

Left Out: 4566.445+/-0.771 χ^2/NDF:1247120.3/22

Right Out: 3000.750+/-0.805 χ^2/NDF: 806601.4/18

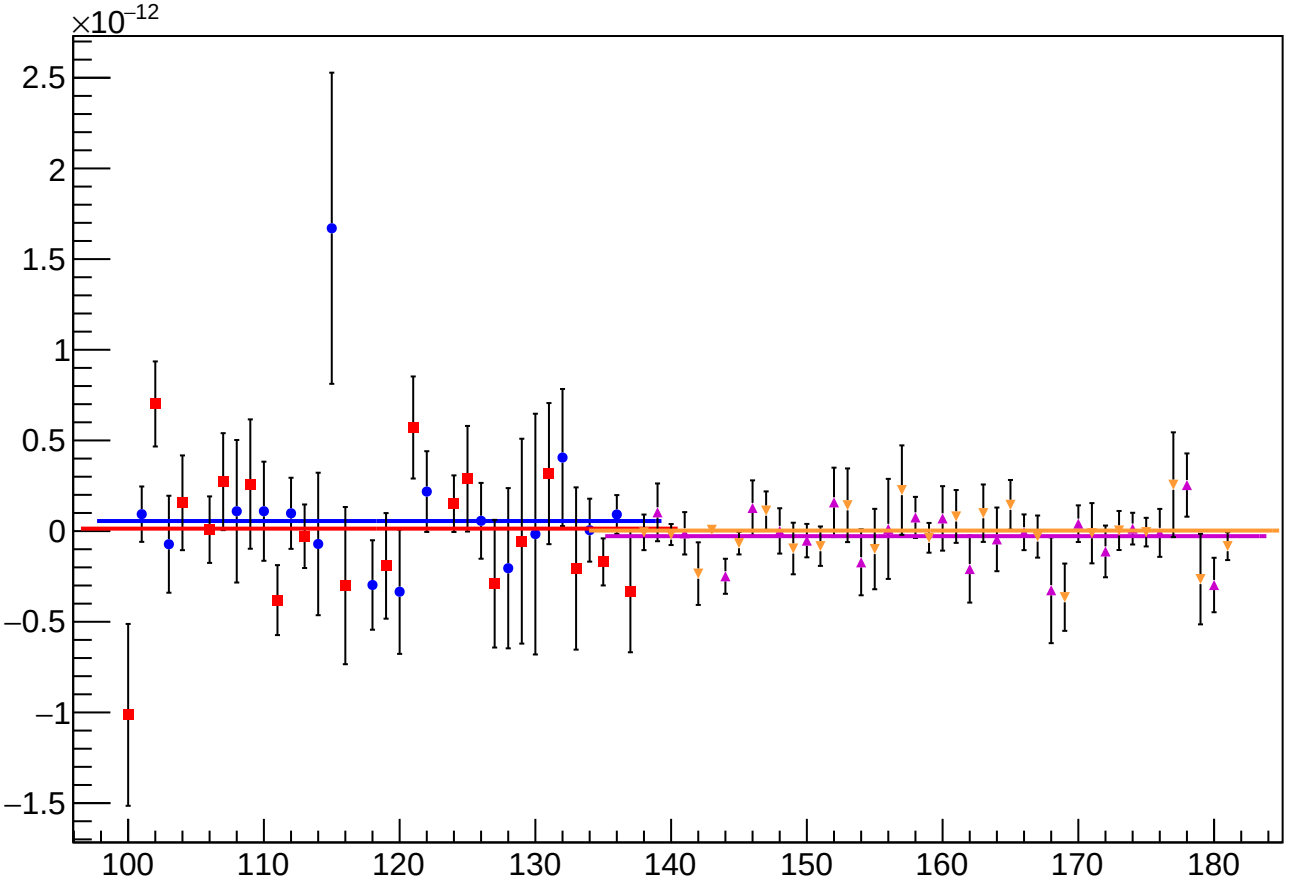
Left In: 4740.394+/-0.820 χ^2/NDF:888831.8/20

+ sign 3901.474+/-0.570 χ^2/NDF: 3850018.5/38

All: 3878.191+/-0.405 χ^2/NDF: 7842014.5/78

- sign 3854.567+/-0.574 χ^2/NDF: 3988636.3/39

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:16.4/22

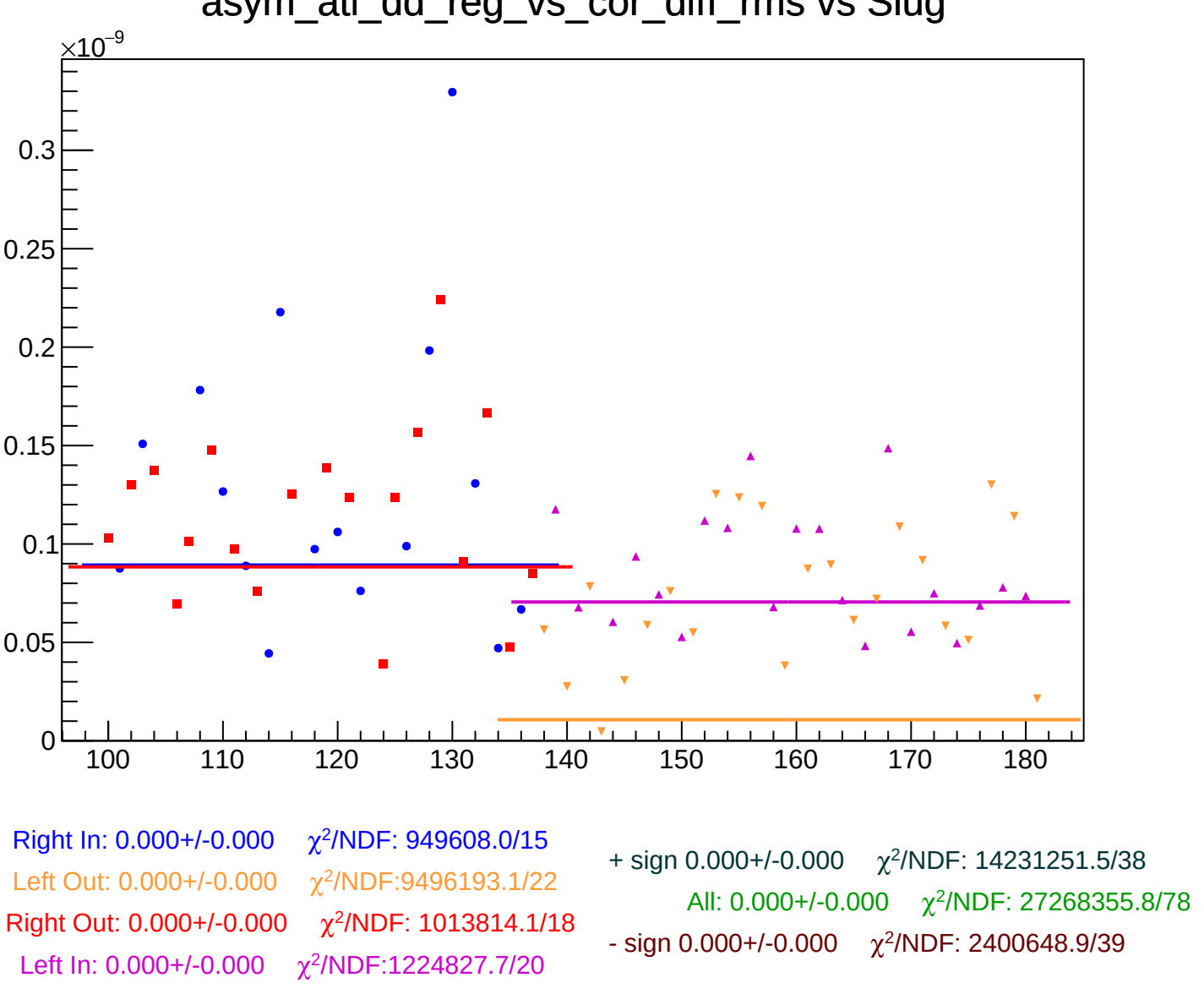
Right Out: 0.000+/-0.000 χ^2/NDF: 30.0/18

Left In: -0.000+/-0.000 χ^2/NDF:18.8/20

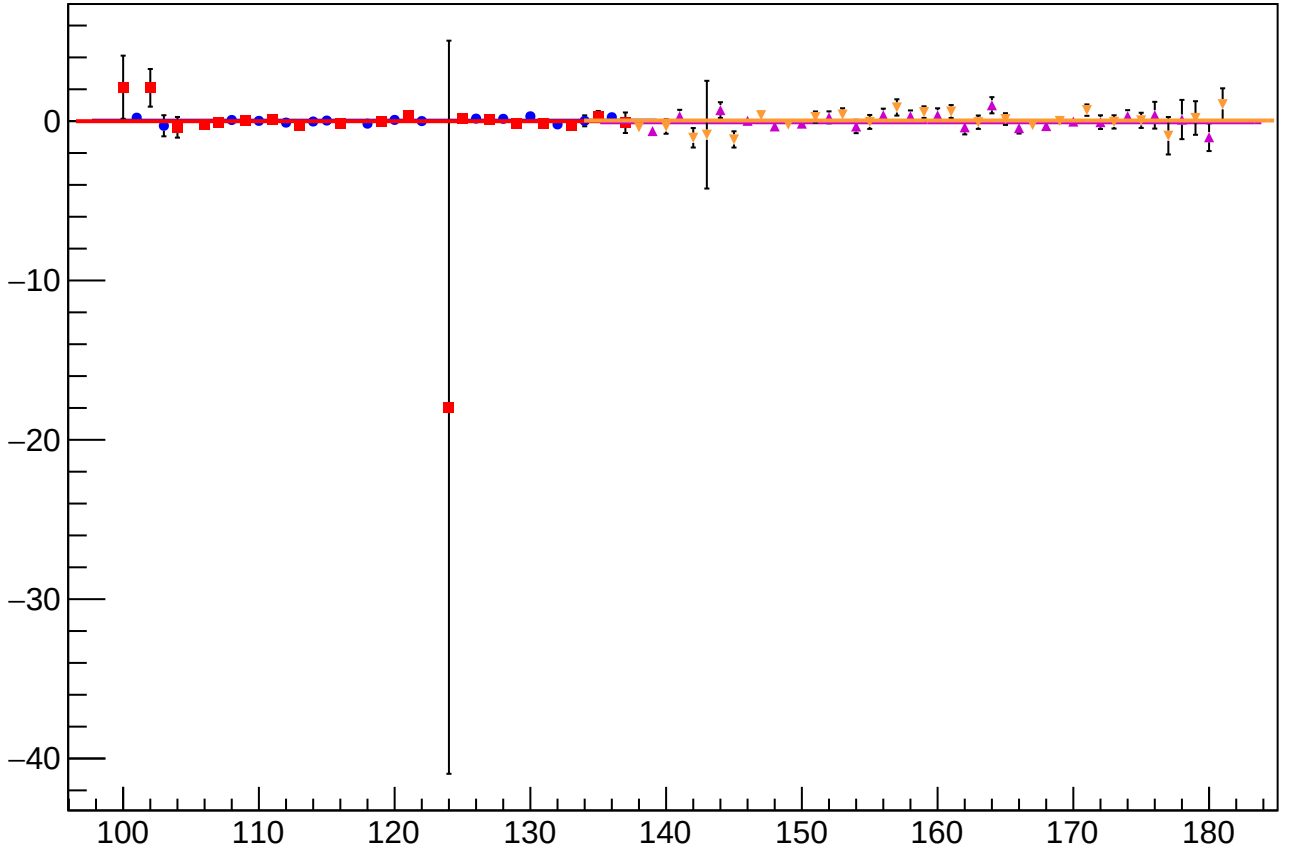
+ sign 0.000+/-0.000 χ^2/NDF: 26.5/38

All: 0.000+/-0.000 χ^2/NDF: 76.6/78

- sign -0.000+/-0.000 χ^2/NDF: 49.3/39


asym_atl_dd_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
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: 949608.0/15
Left Out: 0.000+/-0.000 χ²/NDF:9496193.1/22
Right Out: 0.000+/-0.000 χ²/NDF: 1013814.1/18
Left In: 0.000+/-0.000 χ²/NDF:1224827.7/20
+ sign 0.000+/-0.000 χ²/NDF: 14231251.5/38
All: 0.000+/-0.000 χ²/NDF: 27268355.8/78
- sign 0.000+/-0.000 χ²/NDF: 2400648.9/39

asym_atl_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: 0.040+/-0.078 χ^2/NDF:28.0/22

Right Out: -0.003+/-0.043 χ^2/NDF: 22.4/18

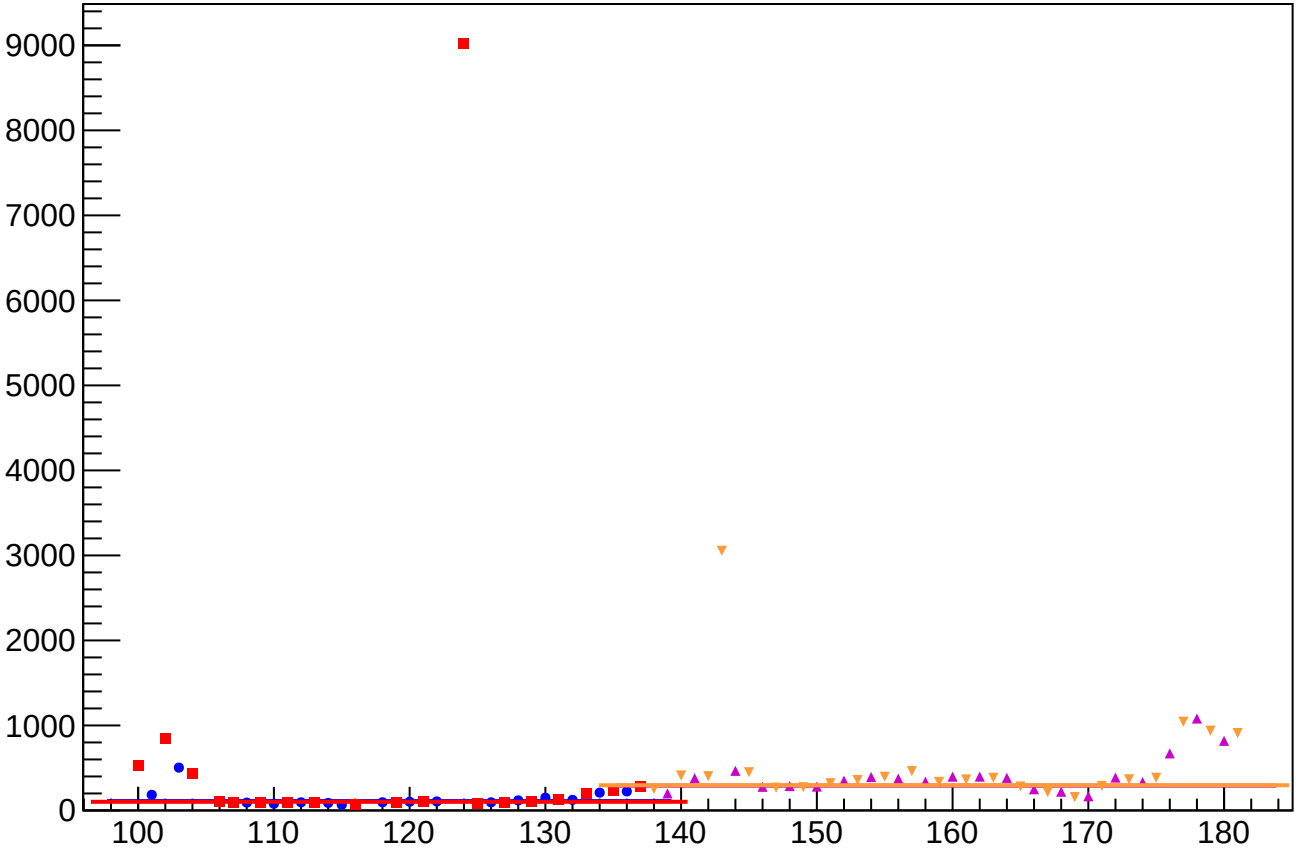
Left In: -0.071+/-0.076 χ^2/NDF:23.6/20

+ sign 0.031+/-0.039 χ^2/NDF: 36.9/38

All: 0.005+/-0.027 χ^2/NDF: 84.4/78

- sign -0.020+/-0.038 χ^2/NDF: 46.6/39

asym_atl_dd_dit_vs_cor_diff_rms vs Slug



Right In: 109.988+/-0.032 χ^2/NDF: 1930558.2/15

Left Out: 296.552+/-0.055 χ^2/NDF:6215717.5/22

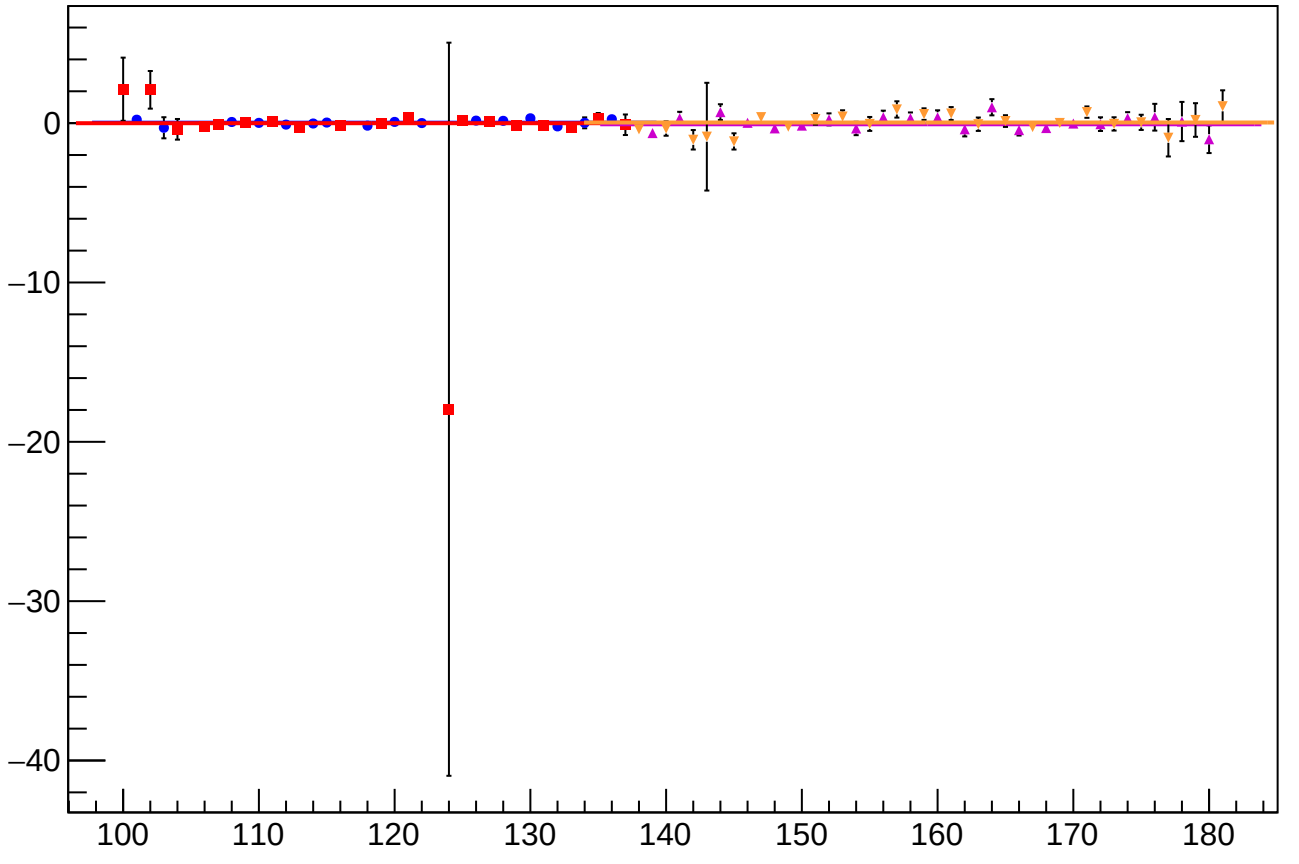
Right Out: 101.852+/-0.031 χ^2/NDF: 2589792.8/18

Left In: 291.663+/-0.054 χ^2/NDF:4401789.0/20

+ sign 157.348+/-0.028 χ^2/NDF: 16757406.7/38

All: 152.543+/-0.019 χ^2/NDF: 33136132.1/78

- sign 148.078+/-0.027 χ^2/NDF: 16320539.1/39



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: 0.040+/-0.078 χ^2/NDF:28.0/22

Right Out: -0.003+/-0.043 χ^2/NDF: 22.4/18

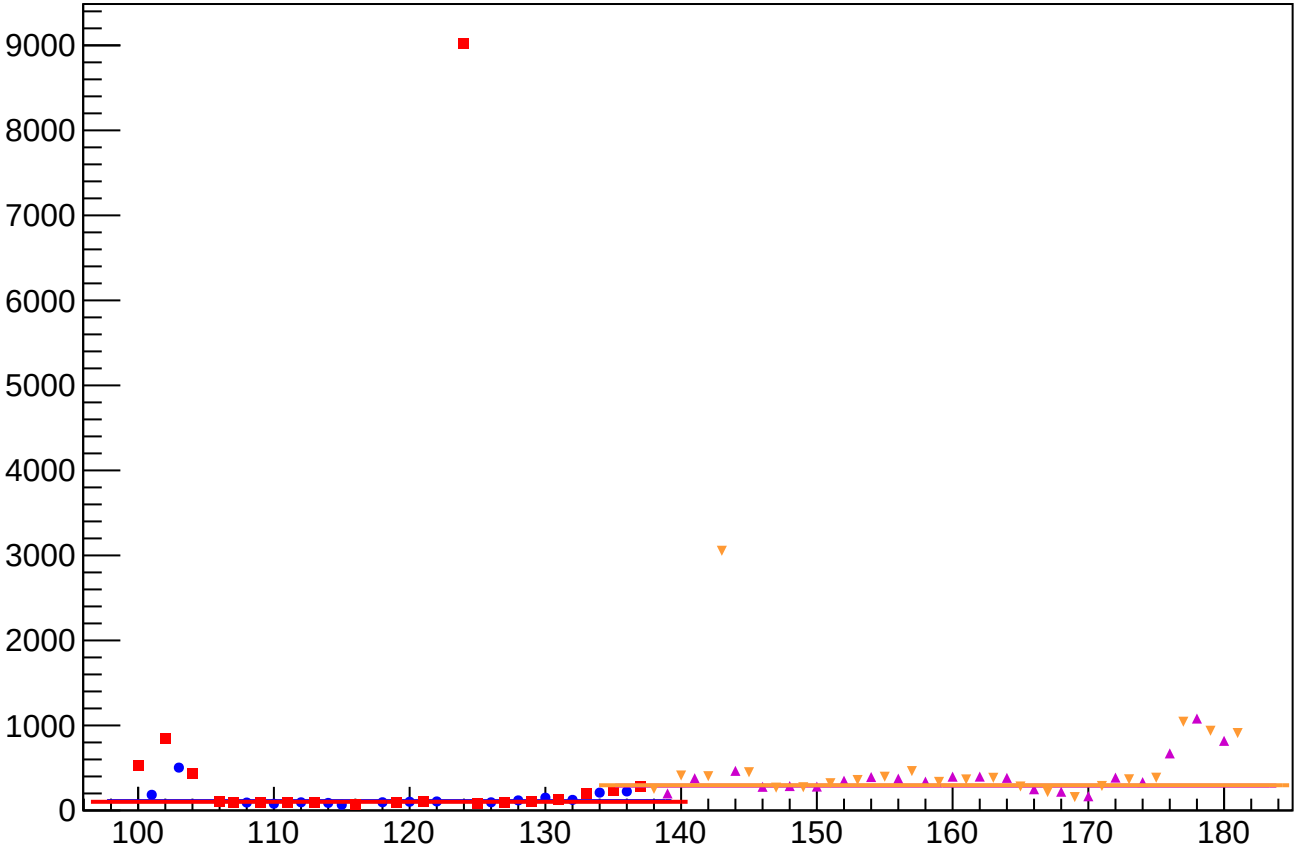
Left In: -0.071+/-0.076 χ^2/NDF:23.6/20

+ sign 0.031+/-0.039 χ^2/NDF: 36.9/38

All: 0.005+/-0.027 χ^2/NDF: 84.4/78

- sign -0.020+/-0.038 χ^2/NDF: 46.6/39

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: 296.552+/-0.055 χ^2/NDF:6215717.5/22

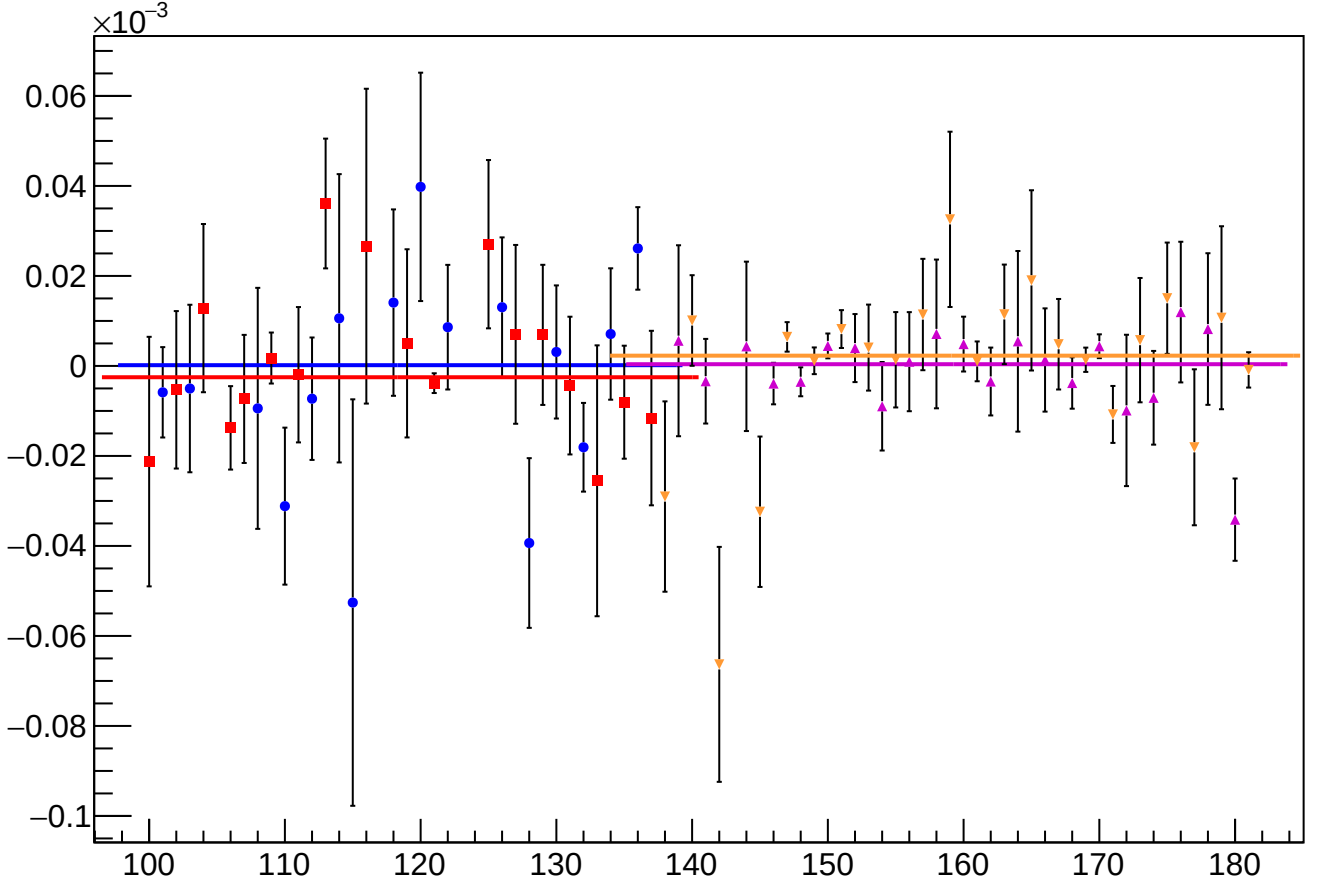
Right Out: 101.852+/-0.031 χ^2/NDF: 2589792.8/18

Left In: 291.663+/-0.054 χ^2/NDF:4401789.0/20

+ sign 157.348+/-0.028 χ^2/NDF: 16757406.7/38

All: 152.543+/-0.019 χ^2/NDF: 33136132.1/78

- sign 148.078+/-0.027 χ^2/NDF: 16320539.1/39



Right In: 0.000+/-0.000 χ^2/NDF: 25.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:30.0/21

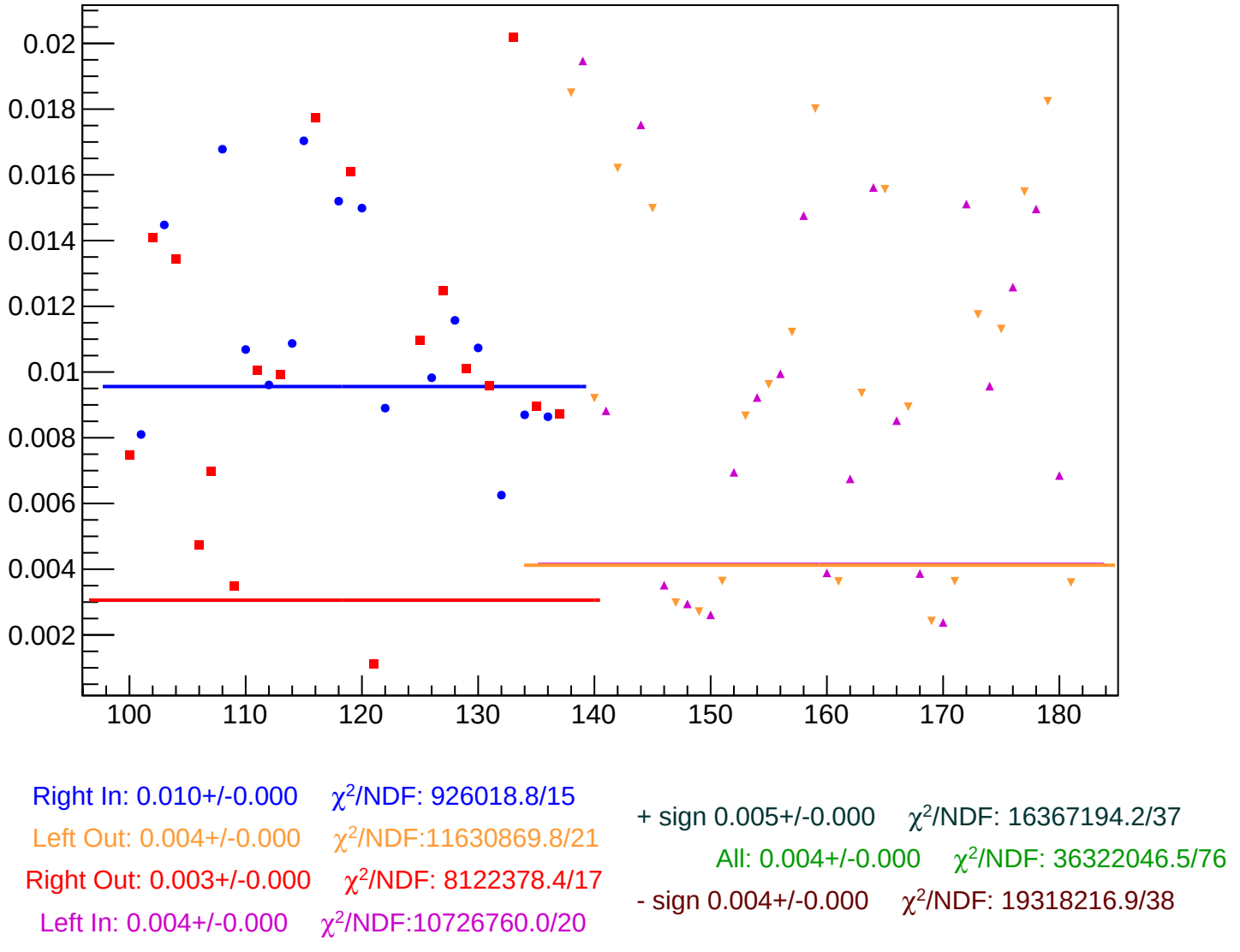
Right Out: -0.000+/-0.000 χ^2/NDF: 15.8/17

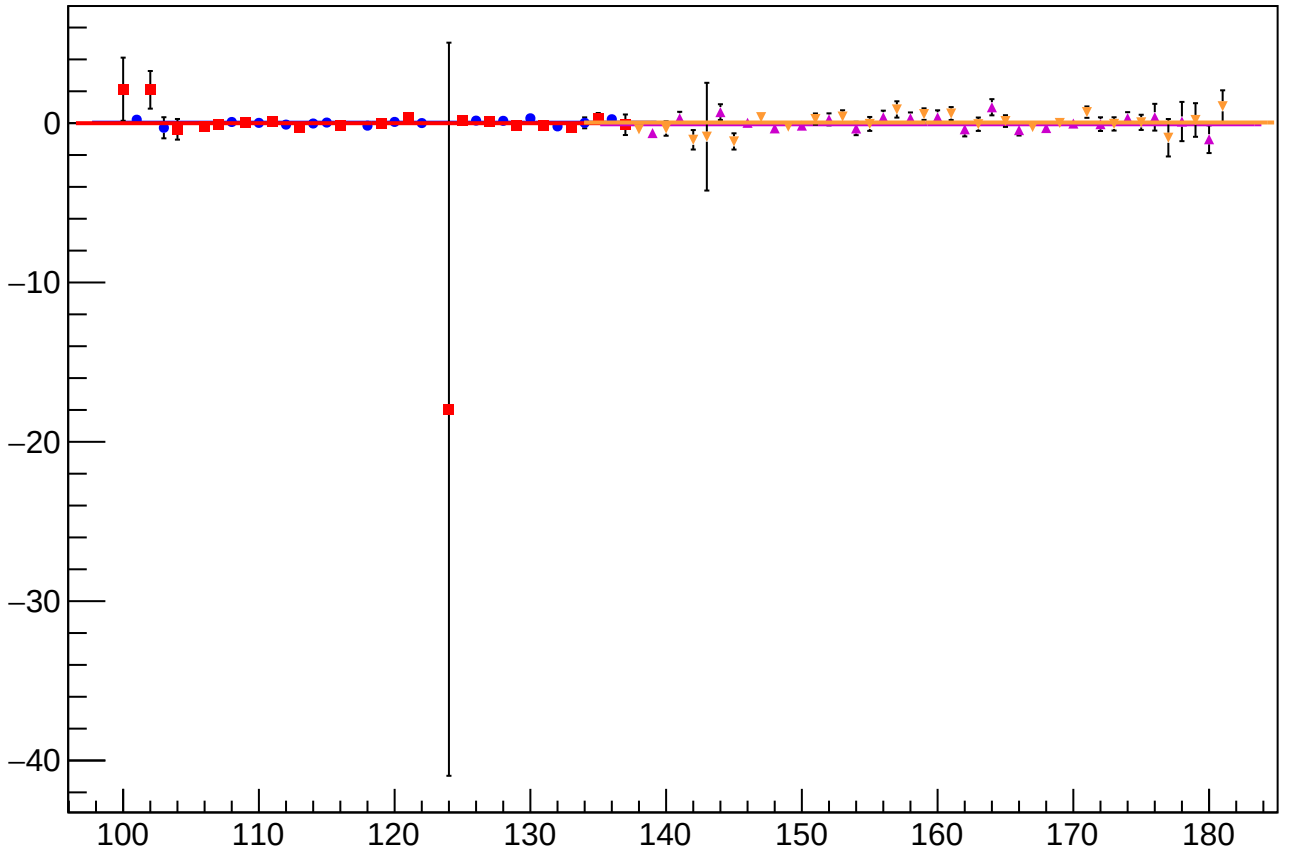
Left In: 0.000+/-0.000 χ^2/NDF:25.7/20

+ sign 0.000+/-0.000 χ^2/NDF: 55.9/37

All: 0.000+/-0.000 χ^2/NDF: 101.7/76

- sign -0.000+/-0.000 χ^2/NDF: 43.1/38


asym_atl_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
160
170
180
Right In: 0.010+/-0.000 χ²/NDF: 926018.8/15
Left Out: 0.004+/-0.000 χ²/NDF:11630869.8/21
Right Out: 0.003+/-0.000 χ²/NDF: 8122378.4/17
Left In: 0.004+/-0.000 χ²/NDF:10726760.0/20
+ sign 0.005+/-0.000 χ²/NDF: 16367194.2/37
All: 0.004+/-0.000 χ²/NDF: 36322046.5/76
- sign 0.004+/-0.000 χ²/NDF: 19318216.9/38



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: 0.040+/-0.078 χ^2/NDF:28.0/22

Right Out: -0.003+/-0.043 χ^2/NDF: 22.4/18

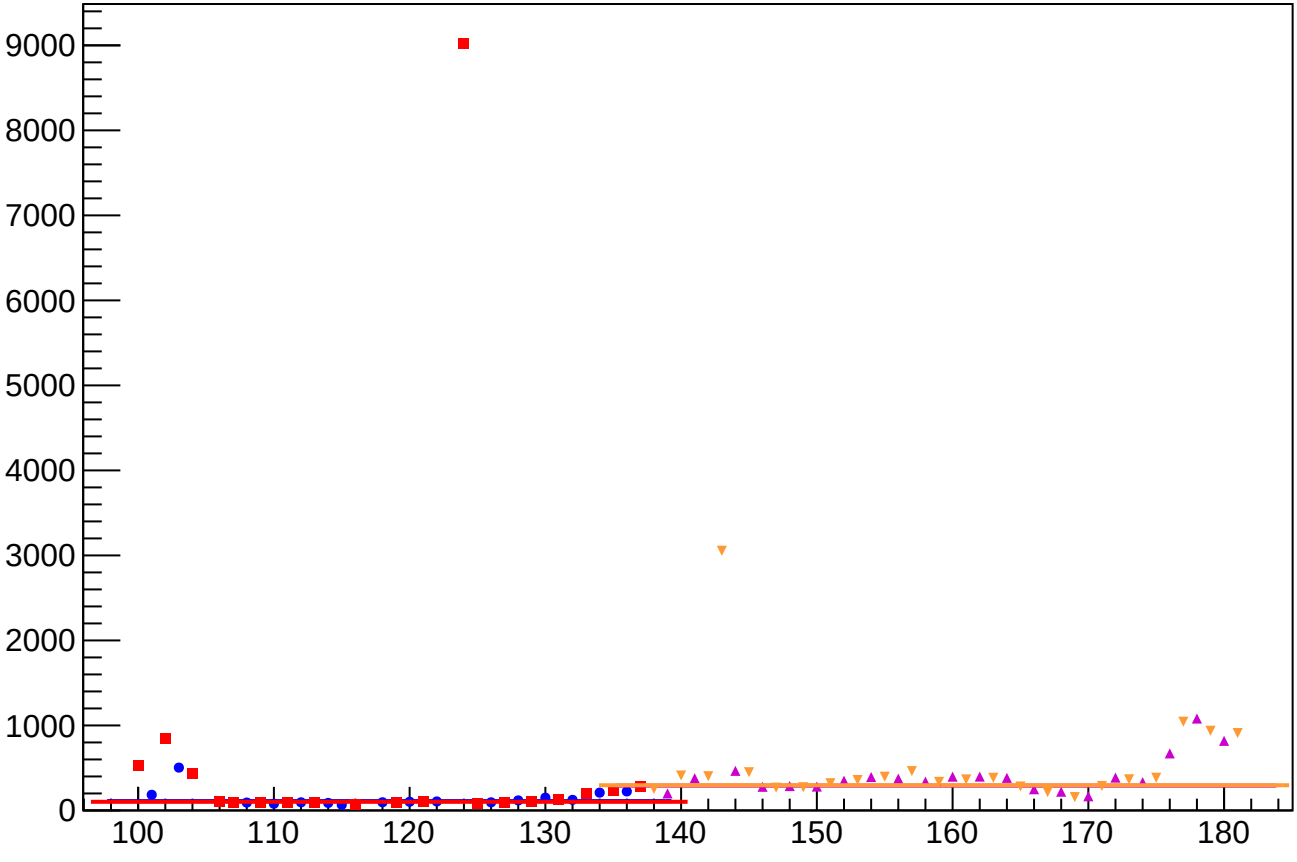
Left In: -0.071+/-0.076 χ^2/NDF:23.6/20

+ sign 0.031+/-0.039 χ^2/NDF: 36.9/38

All: 0.005+/-0.027 χ^2/NDF: 84.4/78

- sign -0.020+/-0.038 χ^2/NDF: 46.6/39

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: 296.553+/-0.055 χ^2/NDF:6215771.6/22

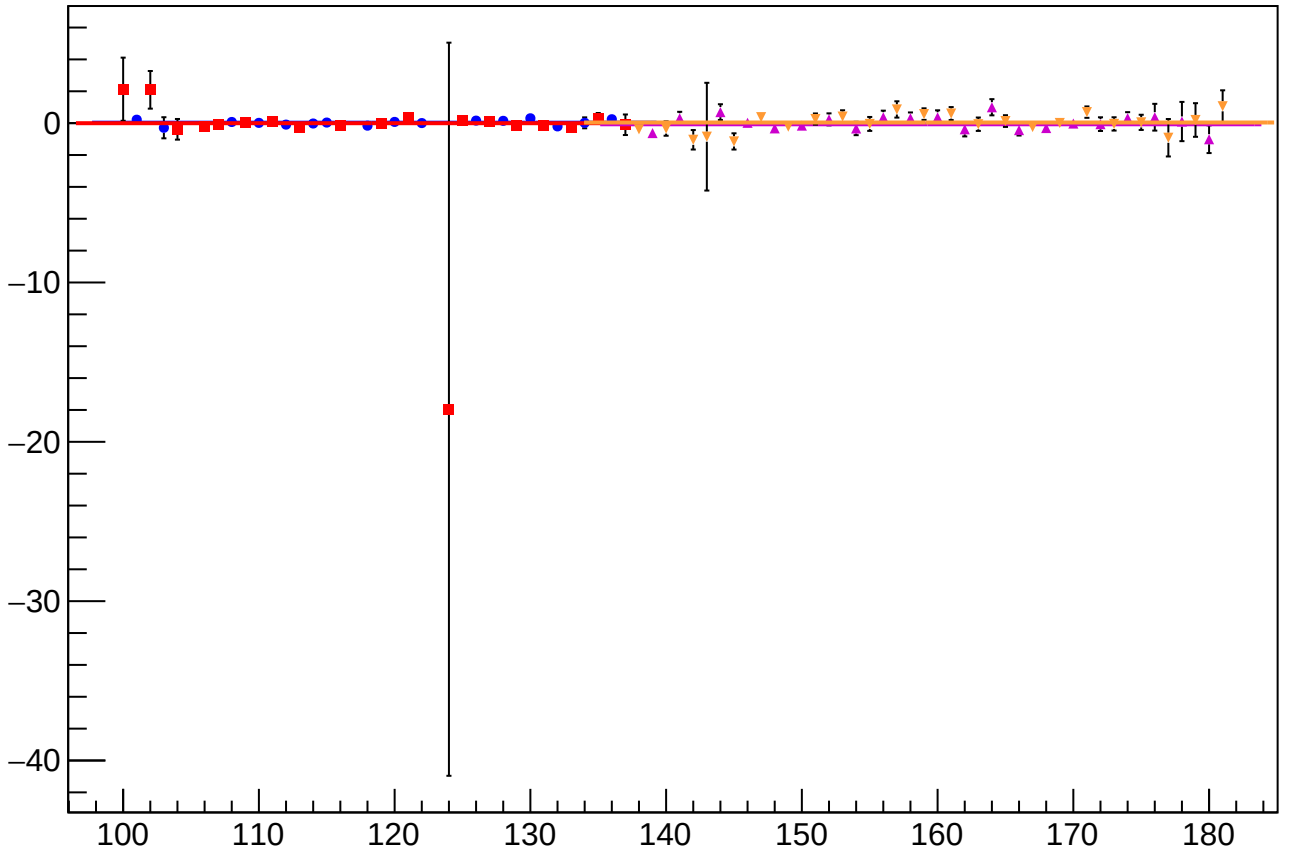
Right Out: 101.853+/-0.031 χ^2/NDF: 2589710.5/18

Left In: 291.666+/-0.054 χ^2/NDF:4401748.8/20

+ sign 157.349+/-0.028 χ^2/NDF: 16757351.4/38

All: 152.545+/-0.019 χ^2/NDF: 33135946.1/78

- sign 148.079+/-0.027 χ^2/NDF: 16320416.1/39



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: 0.040+/-0.078 χ^2/NDF:28.0/22

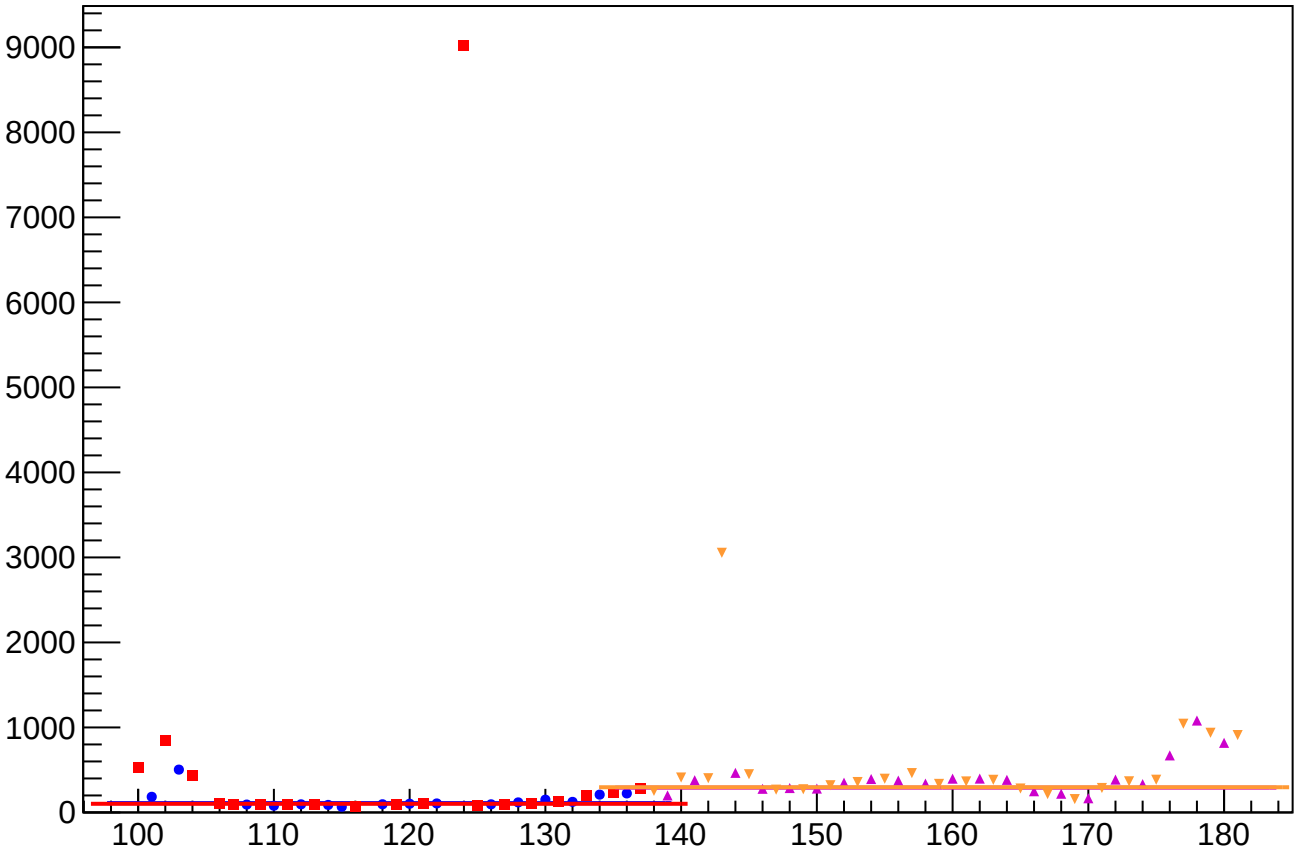
Right Out: -0.003+/-0.043 χ^2/NDF: 22.4/18

Left In: -0.071+/-0.076 χ^2/NDF:23.6/20

+ sign 0.031+/-0.039 χ^2/NDF: 36.9/38

All: 0.005+/-0.027 χ^2/NDF: 84.4/78

- sign -0.020+/-0.038 χ^2/NDF: 46.6/39



Right In: 109.989+/-0.032 χ^2/NDF: 1930489.2/15

Left Out: 296.553+/-0.055 χ^2/NDF:6215771.6/22

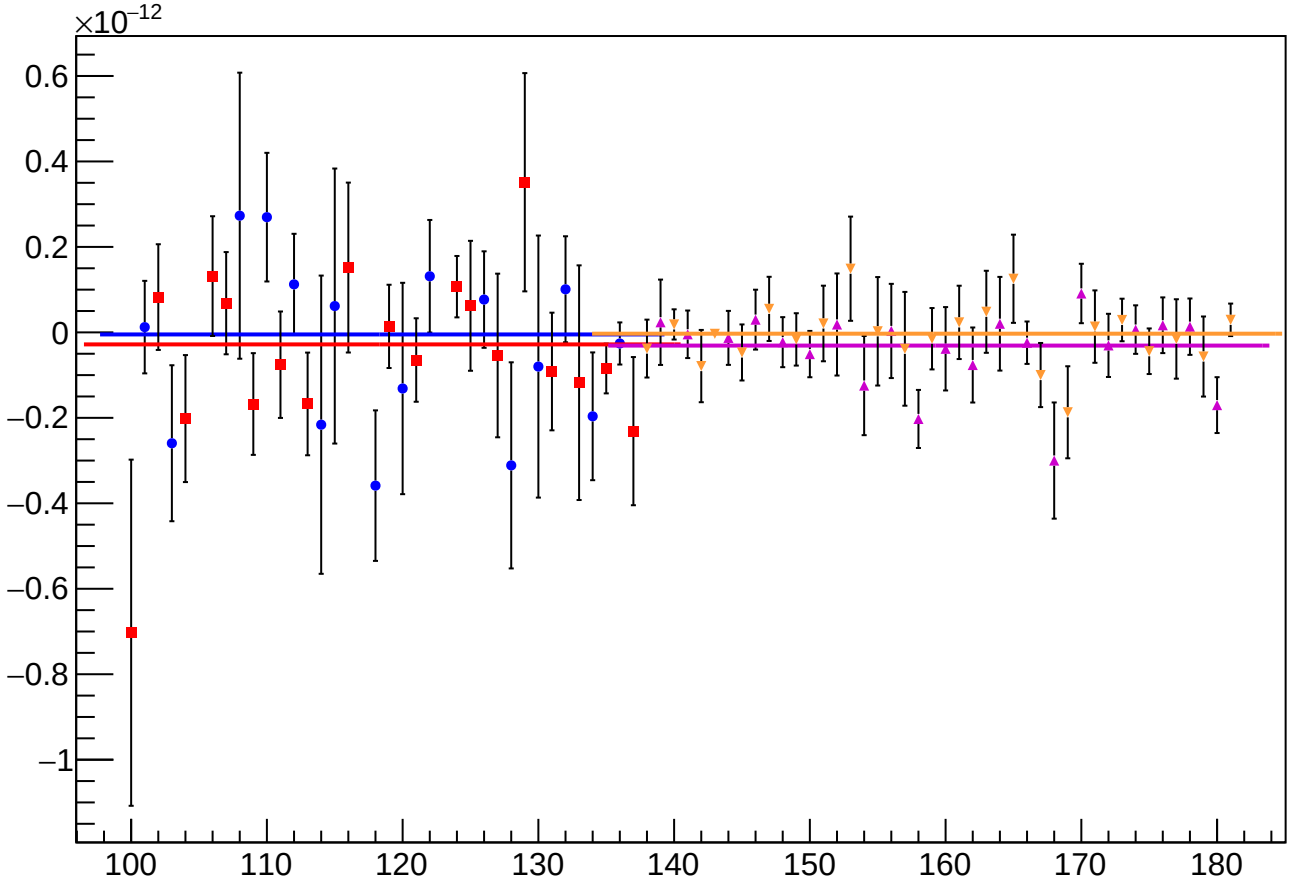
Right Out: 101.853+/-0.031 χ^2/NDF: 2589710.5/18

Left In: 291.666+/-0.054 χ^2/NDF:4401748.8/20

+ sign 157.349+/-0.028 χ^2/NDF: 16757351.4/38

All: 152.545+/-0.019 χ^2/NDF: 33135946.1/78

- sign 148.079+/-0.027 χ^2/NDF: 16320416.1/39



Right In: -0.000+/-0.000 χ^2/NDF: 17.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.9/22

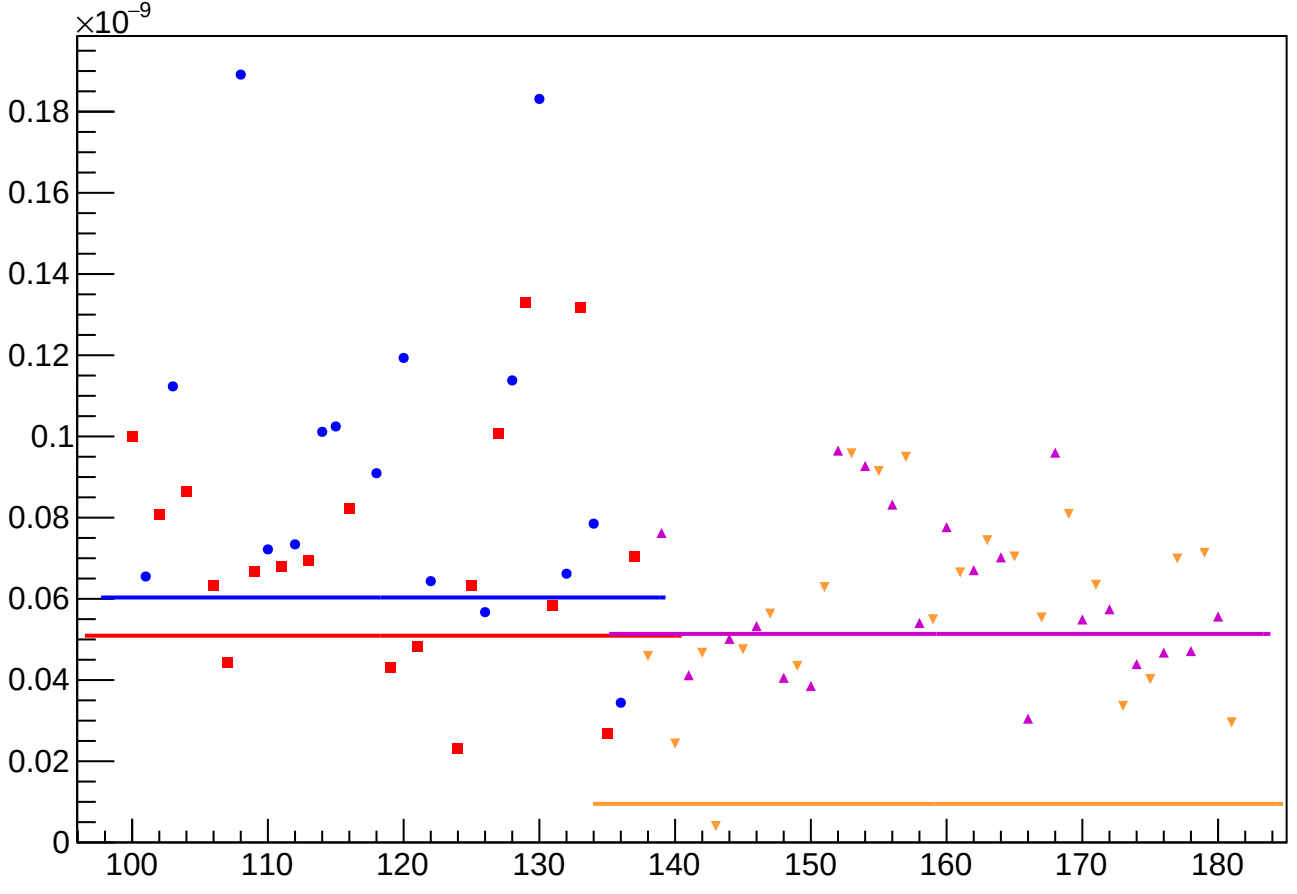
Right Out: -0.000+/-0.000 χ^2/NDF: 19.6/18

Left In: -0.000+/-0.000 χ^2/NDF:22.3/20

+ sign -0.000+/-0.000 χ^2/NDF: 30.4/38

All: -0.000+/-0.000 χ^2/NDF: 75.8/78

- sign -0.000+/-0.000 χ^2/NDF: 41.9/39



Right In: 0.000+/-0.000 χ^2/NDF: 1746170.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:17812115.6/22

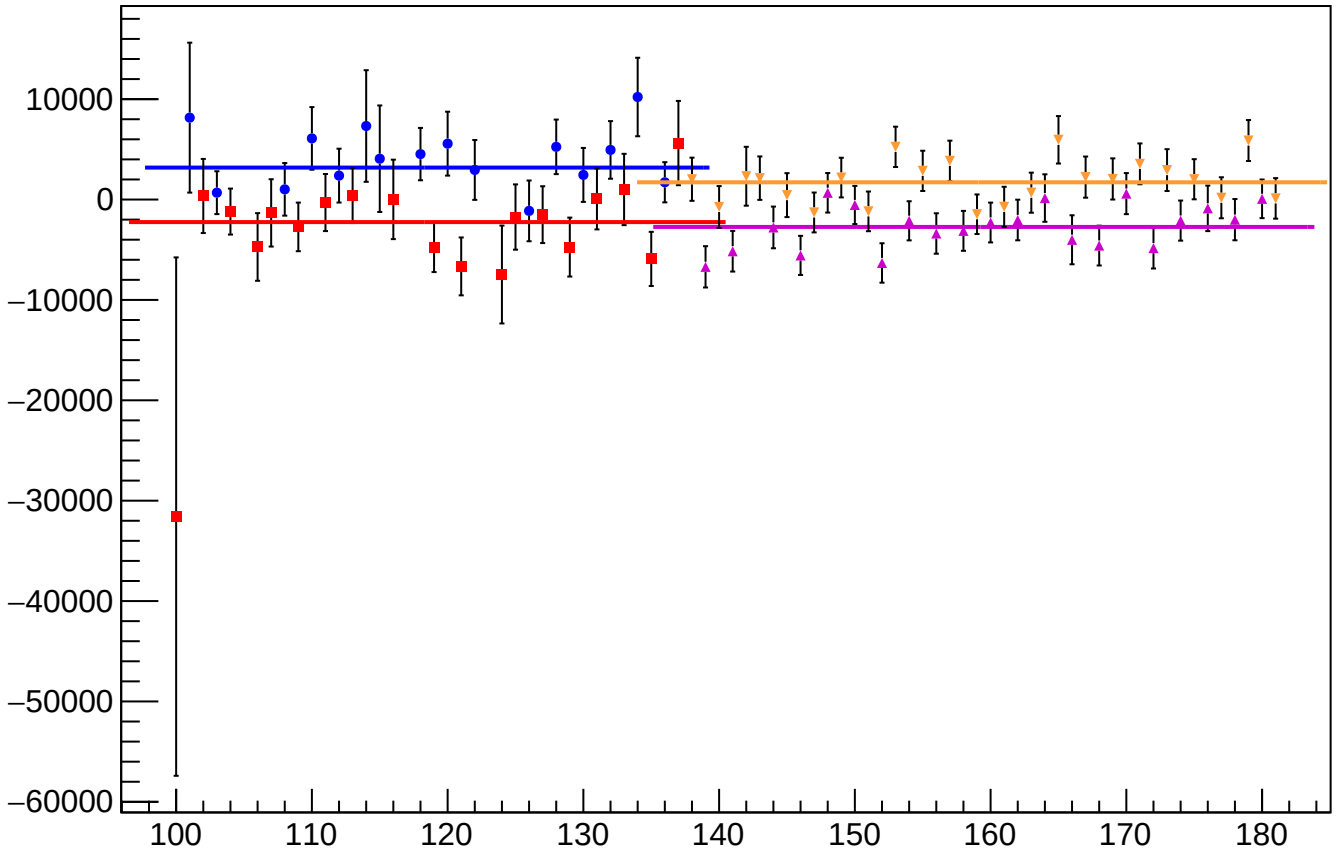
Right Out: 0.000+/-0.000 χ^2/NDF: 1667004.7/18

Left In: 0.000+/-0.000 χ^2/NDF:2000921.9/20

+ sign 0.000+/-0.000 χ^2/NDF: 24546650.0/38

All: 0.000+/-0.000 χ^2/NDF: 43832814.4/78

- sign 0.000+/-0.000 χ^2/NDF: 3668323.4/39



Right In: 3183.705+/-731.133 χ^2/NDF: 11.7/15

Left Out: 1717.769+/-432.063 χ^2/NDF:25.1/22

Right Out: -2246.057+/-710.912 χ^2/NDF: 16.5/18

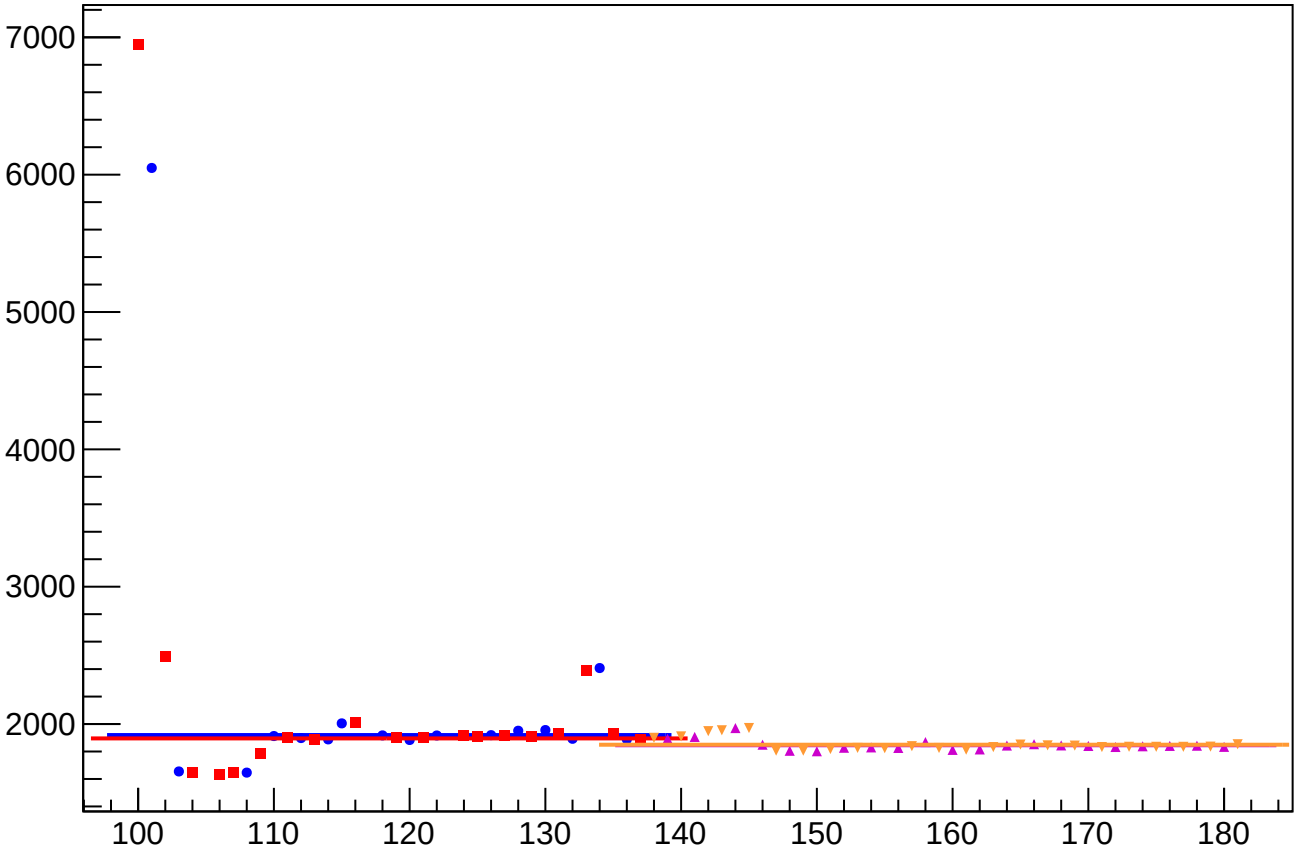
Left In: -2727.997+/-444.367 χ^2/NDF:24.7/20

+ sign 2097.200+/-371.968 χ^2/NDF: 39.7/38

All: -217.365+/-264.717 χ^2/NDF: 159.7/78

- sign -2592.600+/-376.811 χ^2/NDF: 41.5/39

reg_asym_atr_avg_rms vs Slug



Right In: 1919.827+/-0.517 χ^2/NDF: 697331.5/15

Left Out: 1849.401+/-0.306 χ^2/NDF:20705.8/22

Right Out: 1895.361+/-0.501 χ^2/NDF: 222273.9/18

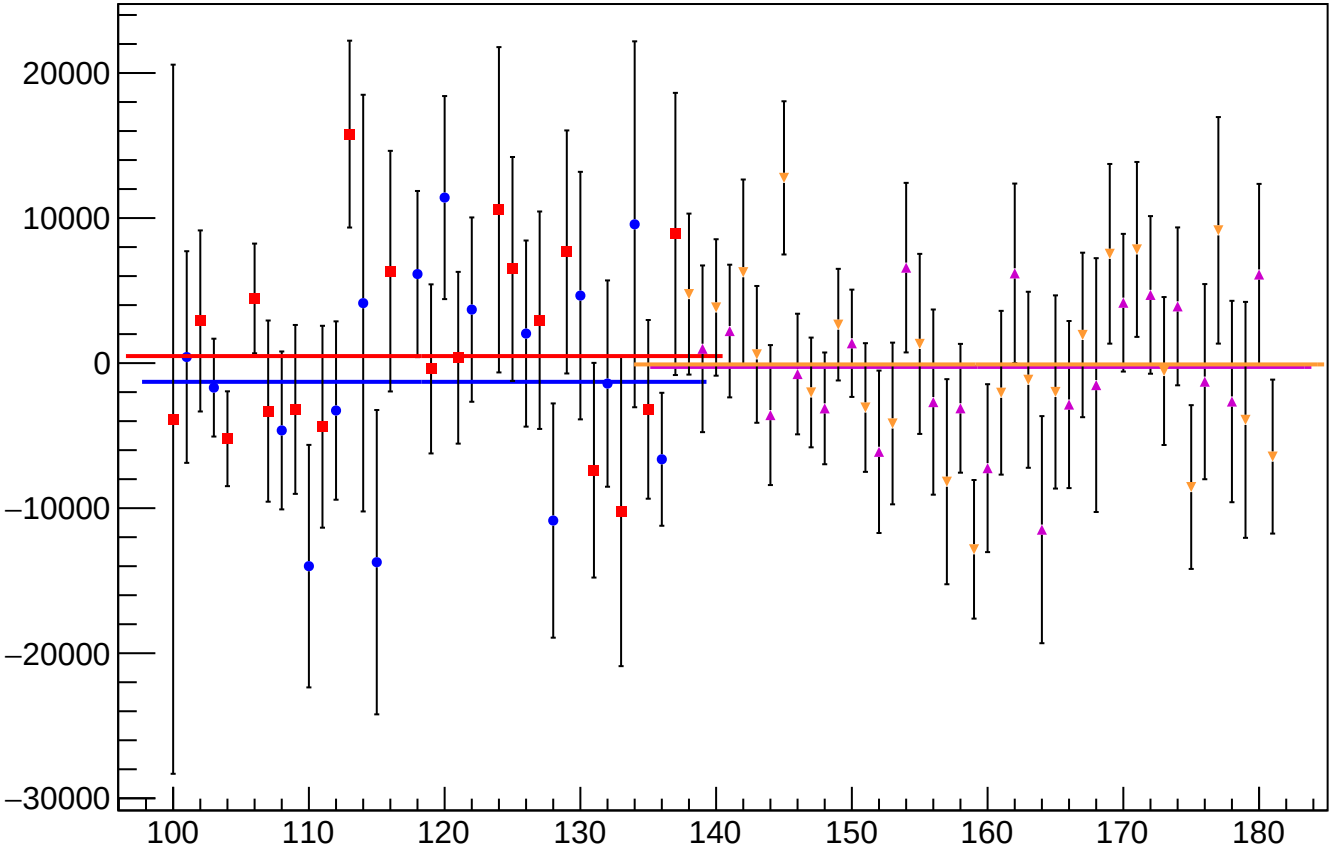
Left In: 1845.497+/-0.314 χ^2/NDF:13990.3/20

+ sign 1867.630+/-0.263 χ^2/NDF: 731790.9/38

All: 1863.651+/-0.187 χ^2/NDF: 975628.9/78

- sign 1859.576+/-0.266 χ^2/NDF: 243374.8/39

asym_atr_avg_reg_correction_mean vs Slug



Right In: -1290.495+/-1585.432 χ^2/NDF: 14.3/15

Left Out: -89.812+/-1120.988 χ^2/NDF:27.5/22

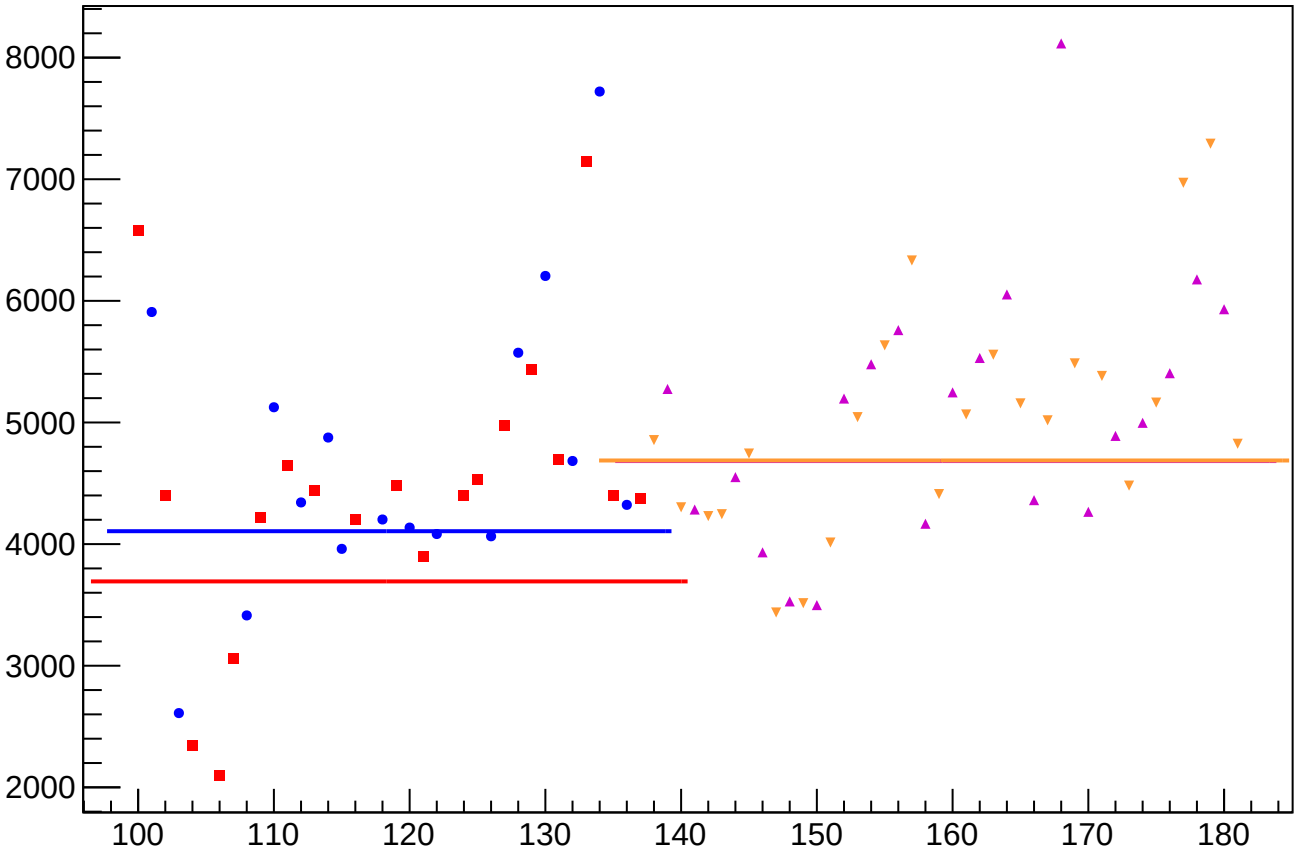
Right Out: 485.214+/-1437.465 χ^2/NDF: 17.2/18

Left In: -261.462+/-1153.293 χ^2/NDF:12.9/20

\+ sign -490.001+/-915.305 χ^2/NDF: 42.2/38

All: -225.005+/-641.578 χ^2/NDF: 72.6/78

\- sign 30.949+/-899.556 χ^2/NDF: 30.3/39



Right In: 4106.141+/-1.121 χ^2/NDF: 956130.4/15

Left Out: 4687.508+/-0.793 χ^2/NDF:1185022.6/22

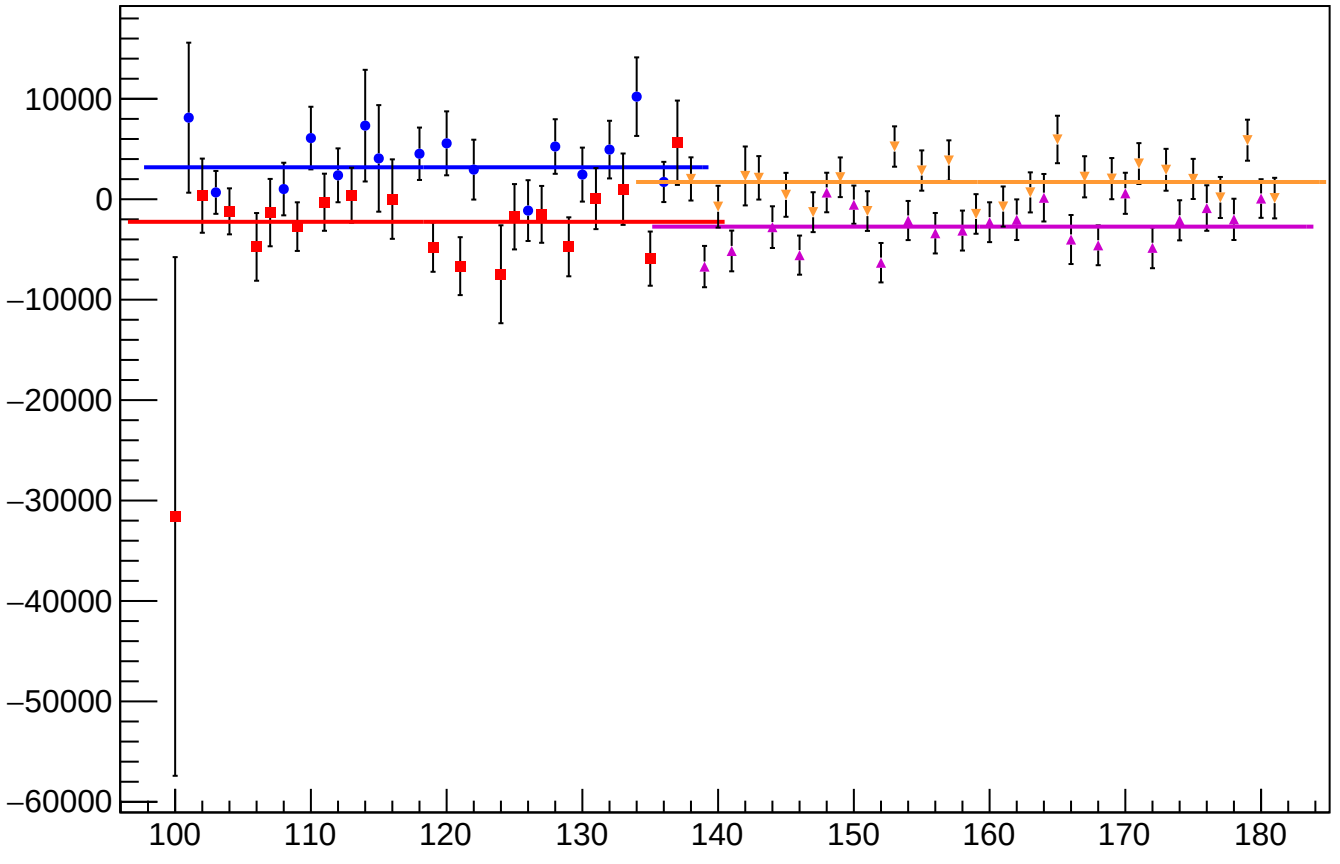
Right Out: 3693.266+/-1.016 χ^2/NDF: 1356643.3/18

Left In: 4682.847+/-0.816 χ^2/NDF:1278211.7/20

+ sign 4493.738+/-0.647 χ^2/NDF: 2320446.8/38

All: 4392.802+/-0.454 χ^2/NDF: 5579767.9/78

- sign 4295.310+/-0.636 χ^2/NDF: 3211507.9/39



Right In: 3182.973+/-731.133 χ^2/NDF: 11.7/15

Left Out: 1717.663+/-432.063 χ^2/NDF:25.1/22

Right Out: -2247.193+/-710.916 χ^2/NDF: 16.5/18

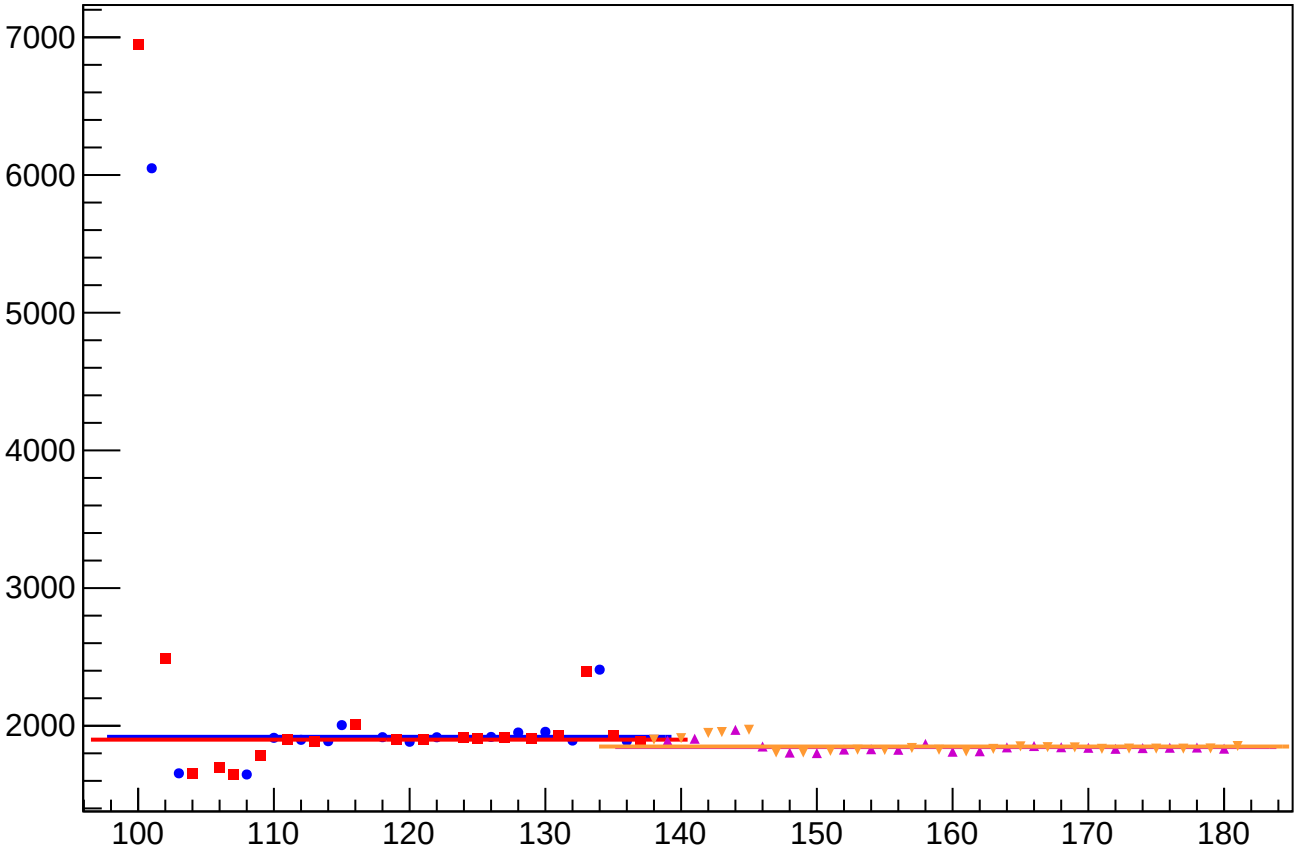
Left In: -2727.969+/-444.367 χ^2/NDF:24.7/20

+ sign 2096.932+/-371.968 χ^2/NDF: 39.7/38

All: -217.646+/-264.717 χ^2/NDF: 159.7/78

- sign -2592.900+/-376.812 χ^2/NDF: 41.5/39

cor_asym_atr_avg_rms vs Slug



Right In: 1919.827+/-0.517 χ^2/NDF: 697330.6/15

Left Out: 1849.401+/-0.306 χ^2/NDF:20705.8/22

Right Out: 1899.364+/-0.502 χ^2/NDF: 215654.1/18

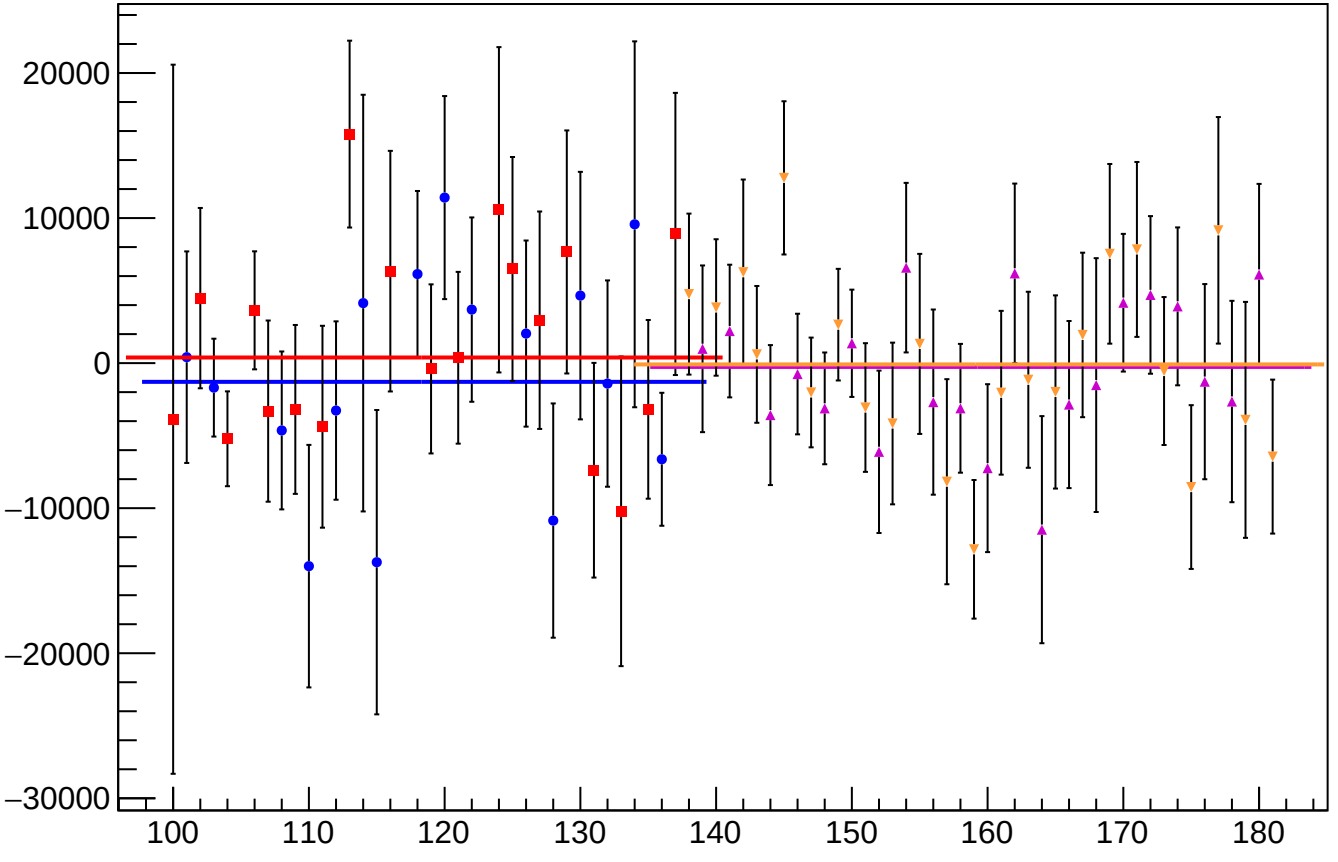
Left In: 1845.497+/-0.314 χ^2/NDF:13990.3/20

+ sign 1867.630+/-0.263 χ^2/NDF: 731790.2/38

All: 1864.191+/-0.187 χ^2/NDF: 970056.2/78

- sign 1860.665+/-0.266 χ^2/NDF: 237919.7/39

asym_atr_avg_cor_correction_mean vs Slug



Right In: -1290.862+/-1585.435 χ^2/NDF: 14.3/15

Left Out: -89.843+/-1120.986 χ^2/NDF:27.5/22

Right Out: 387.626+/-1451.530 χ^2/NDF: 17.0/18

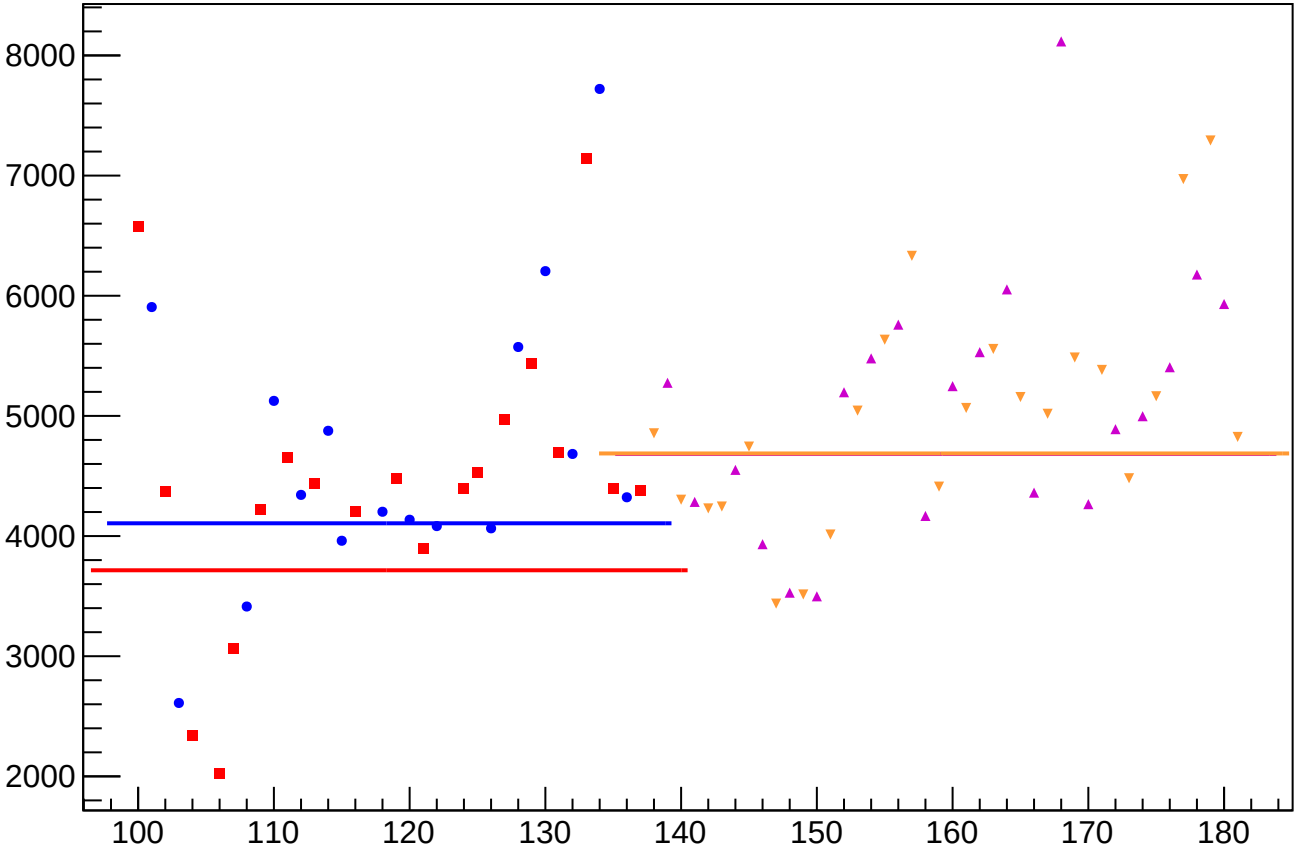
Left In: -261.440+/-1153.294 χ^2/NDF:12.9/20

+ sign -490.142+/-915.304 χ^2/NDF: 42.2/38

All: -246.946+/-642.814 χ^2/NDF: 72.3/78

- sign -10.259+/-902.973 χ^2/NDF: 30.0/39

asym_atr_avg_cor_correction_rms vs Slug



Right In: 4106.234+/-1.121 χ^2/NDF: 955631.2/15

Left Out: 4687.497+/-0.793 χ^2/NDF:1185048.2/22

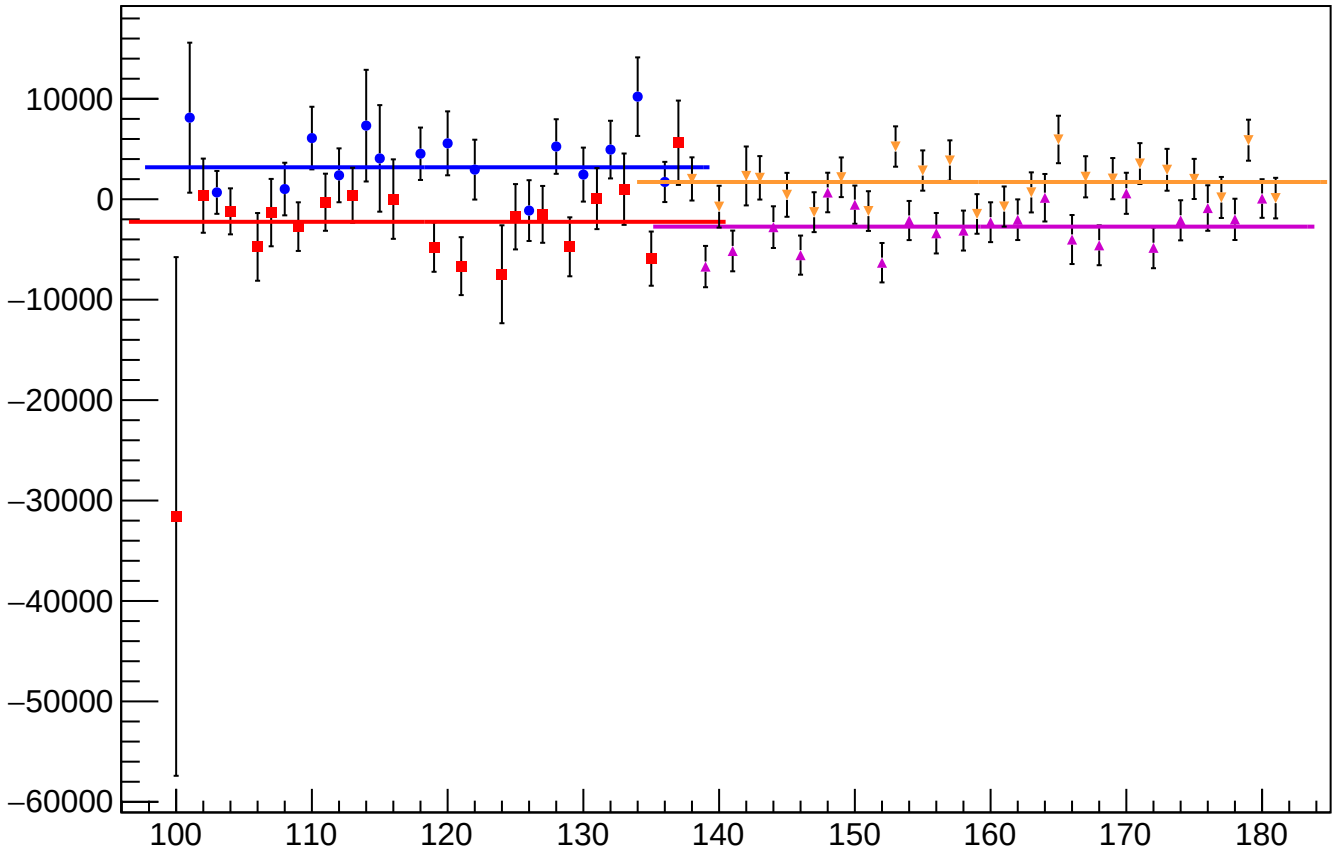
Right Out: 3715.202+/-1.026 χ^2/NDF: 1335100.7/18

Left In: 4682.850+/-0.816 χ^2/NDF:1278207.0/20

+ sign 4493.763+/-0.647 χ^2/NDF: 2319909.2/38

All: 4399.815+/-0.455 χ^2/NDF: 5519648.7/78

- sign 4308.382+/-0.638 χ^2/NDF: 3158163.0/39



Right In: 3182.973+/-731.133 χ^2/NDF: 11.7/15

Left Out: 1717.663+/-432.063 χ^2/NDF:25.1/22

Right Out: -2247.193+/-710.916 χ^2/NDF: 16.5/18

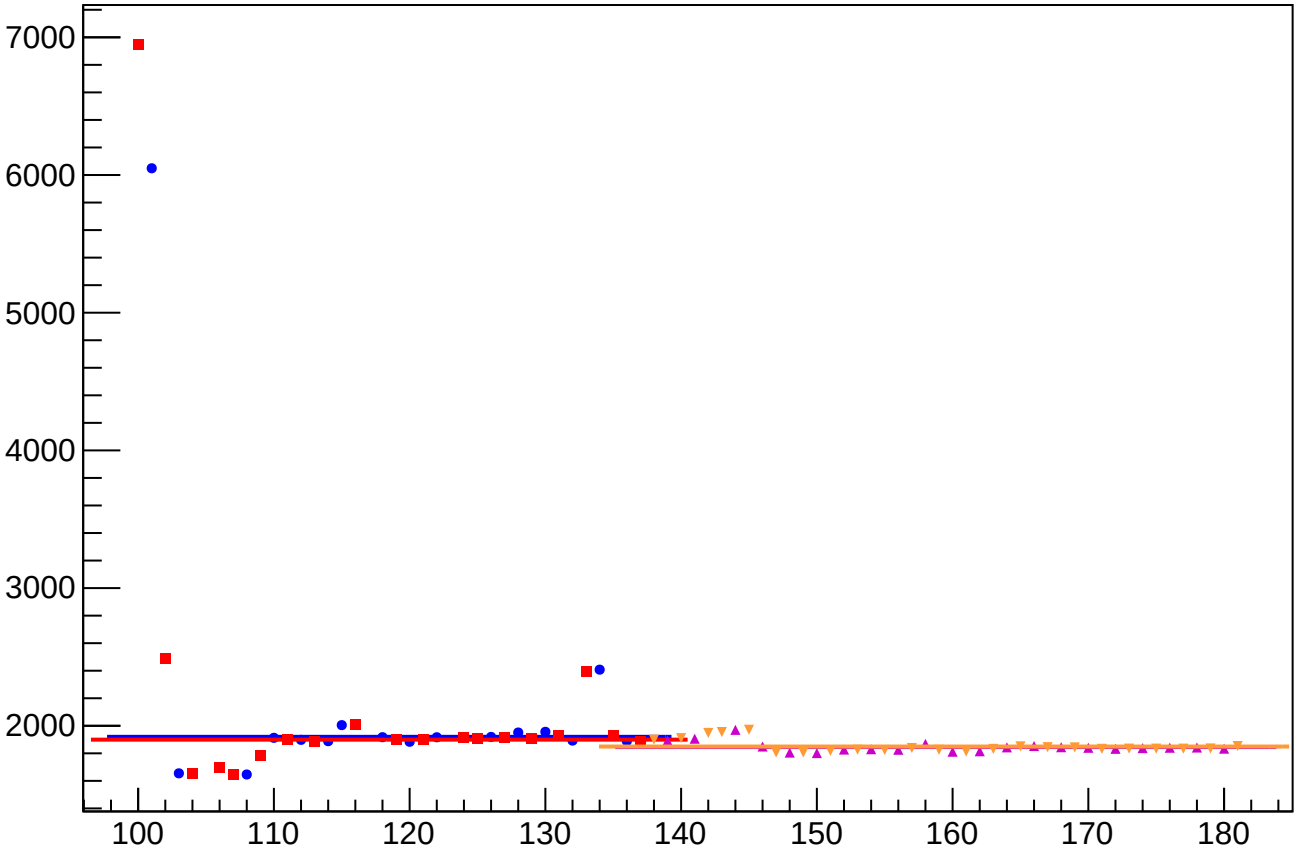
Left In: -2727.969+/-444.367 χ^2/NDF:24.7/20

+ sign 2096.932+/-371.968 χ^2/NDF: 39.7/38

All: -217.646+/-264.717 χ^2/NDF: 159.7/78

- sign -2592.900+/-376.812 χ^2/NDF: 41.5/39

eigen_cor_asym_atr_avg_rms vs Slug



Right In: 1919.827+/-0.517 χ^2/NDF: 697330.6/15

Left Out: 1849.401+/-0.306 χ^2/NDF:20705.8/22

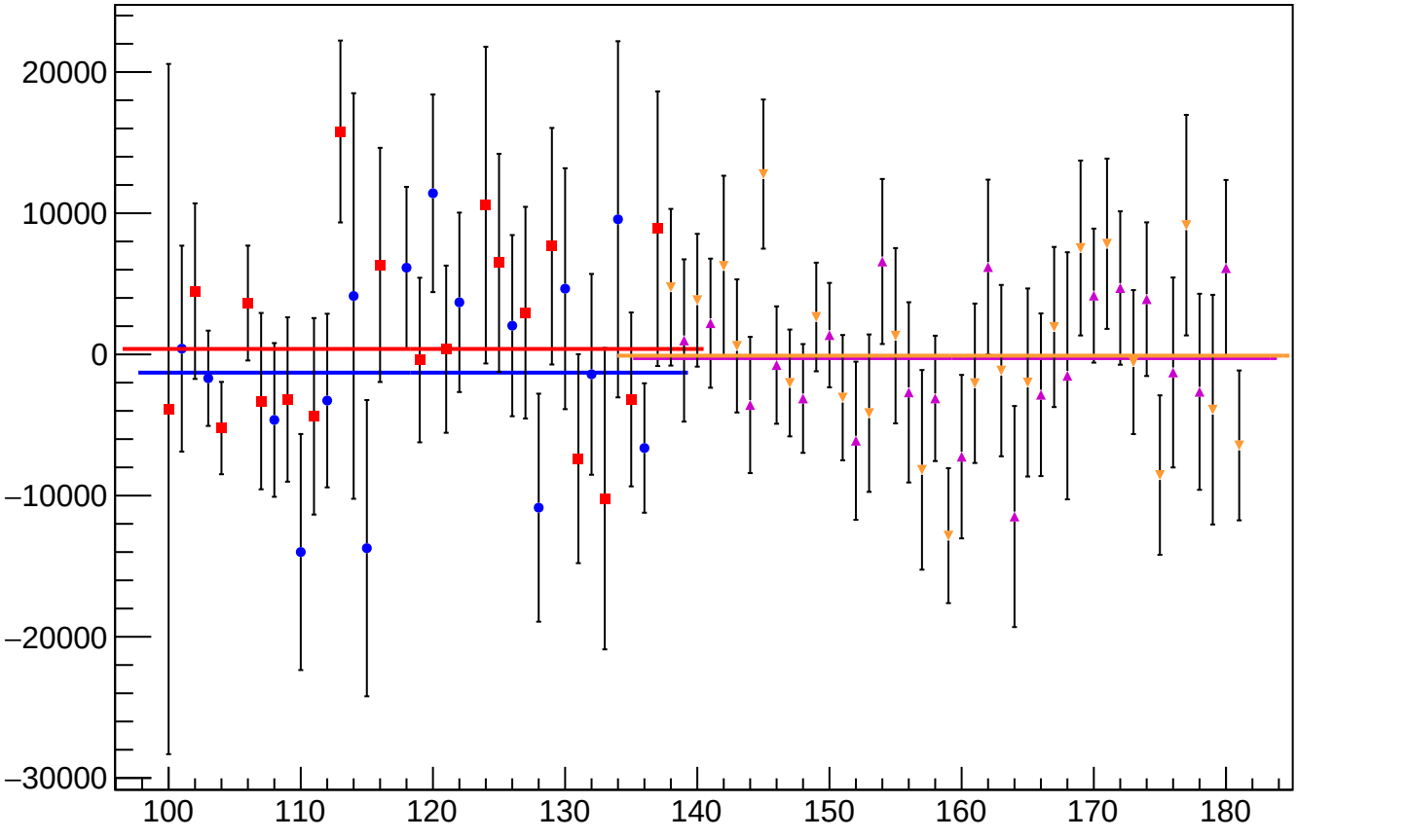
Right Out: 1899.364+/-0.502 χ^2/NDF: 215654.1/18

Left In: 1845.497+/-0.314 χ^2/NDF:13990.3/20

+ sign 1867.630+/-0.263 χ^2/NDF: 731790.2/38

All: 1864.191+/-0.187 χ^2/NDF: 970056.2/78

- sign 1860.665+/-0.266 χ^2/NDF: 237919.7/39



Right In: -1290.862+/-1585.435 χ^2/NDF: 14.3/15

Left Out: -89.843+/-1120.986 χ^2/NDF:27.5/22

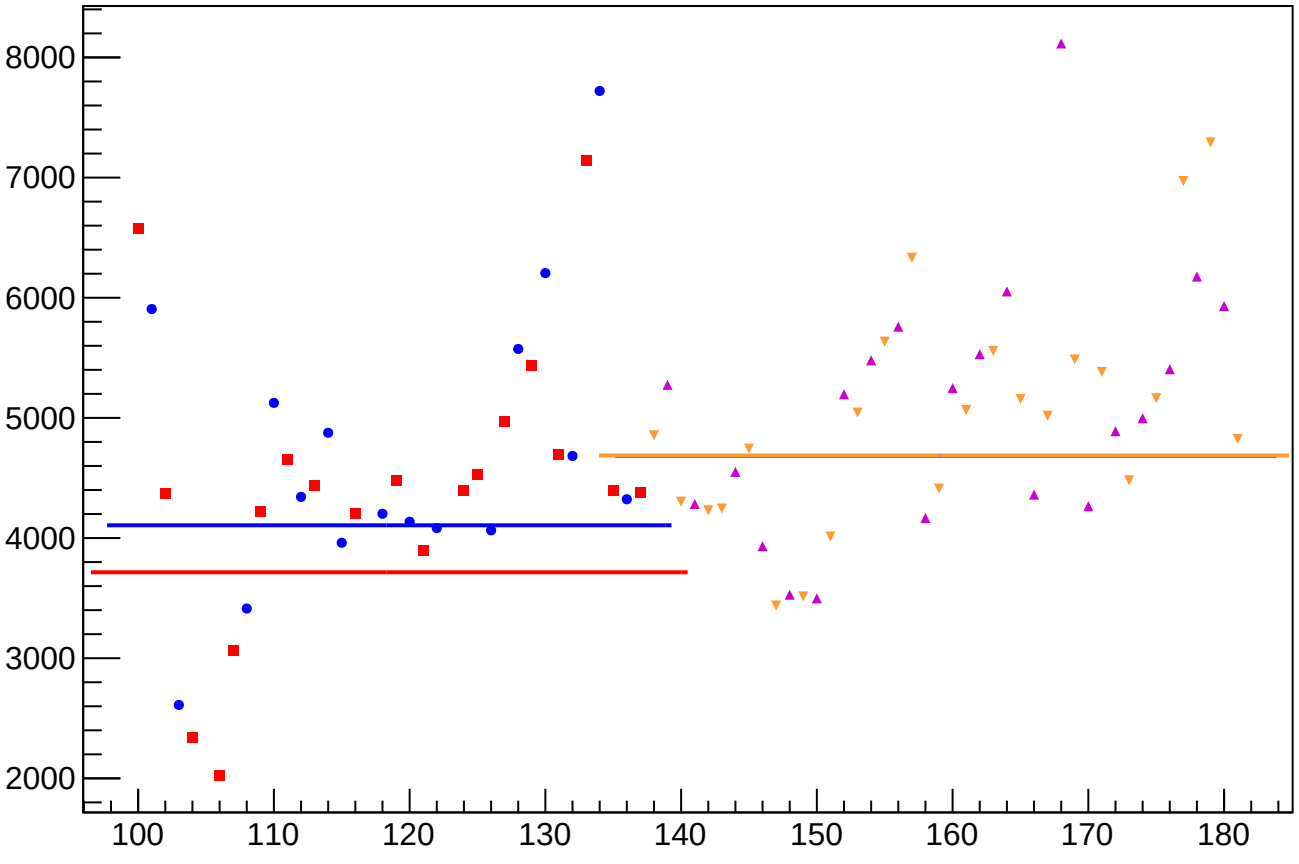
Right Out: 387.626+/-1451.530 χ^2/NDF: 17.0/18

Left In: -261.440+/-1153.294 χ^2/NDF:12.9/20

+ sign -490.142+/-915.304 χ^2/NDF: 42.2/38

All: -246.946+/-642.814 χ^2/NDF: 72.3/78

- sign -10.259+/-902.973 χ^2/NDF: 30.0/39



Right In: 4106.234+/-1.121 χ^2/NDF: 955631.2/15

Left Out: 4687.497+/-0.793 χ^2/NDF:1185048.2/22

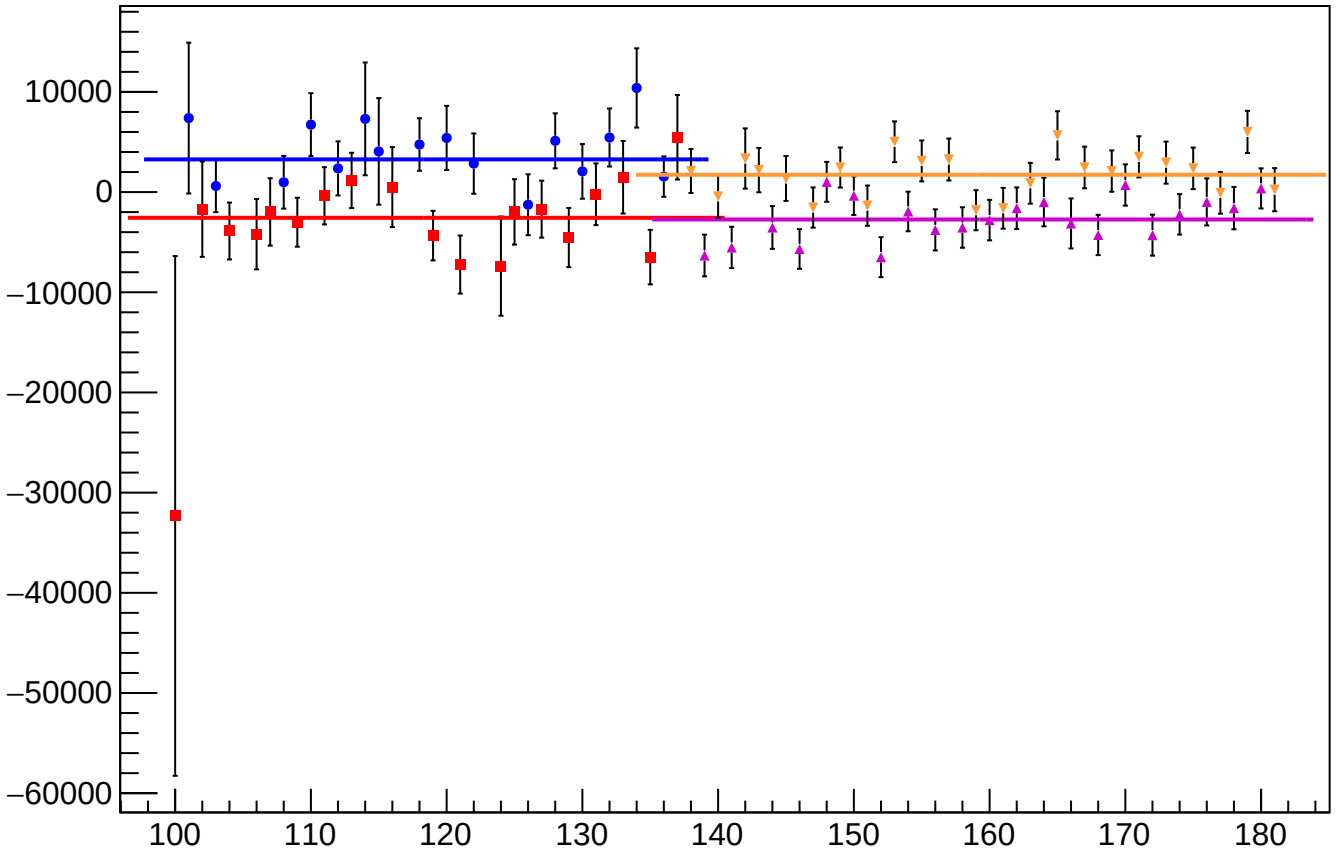
Right Out: 3715.202+/-1.026 χ^2/NDF: 1335100.7/18

Left In: 4682.850+/-0.816 χ^2/NDF:1278207.0/20

+ sign 4493.763+/-0.647 χ^2/NDF: 2319909.2/38

All: 4399.815+/-0.455 χ^2/NDF: 5519648.7/78

- sign 4308.382+/-0.638 χ^2/NDF: 3158163.0/39



Right In: 3264.639+/-750.865 χ^2/NDF: 12.2/15

Left Out: 1729.262+/-441.127 χ^2/NDF:25.5/22

Right Out: -2566.683+/-734.876 χ^2/NDF: 17.0/18

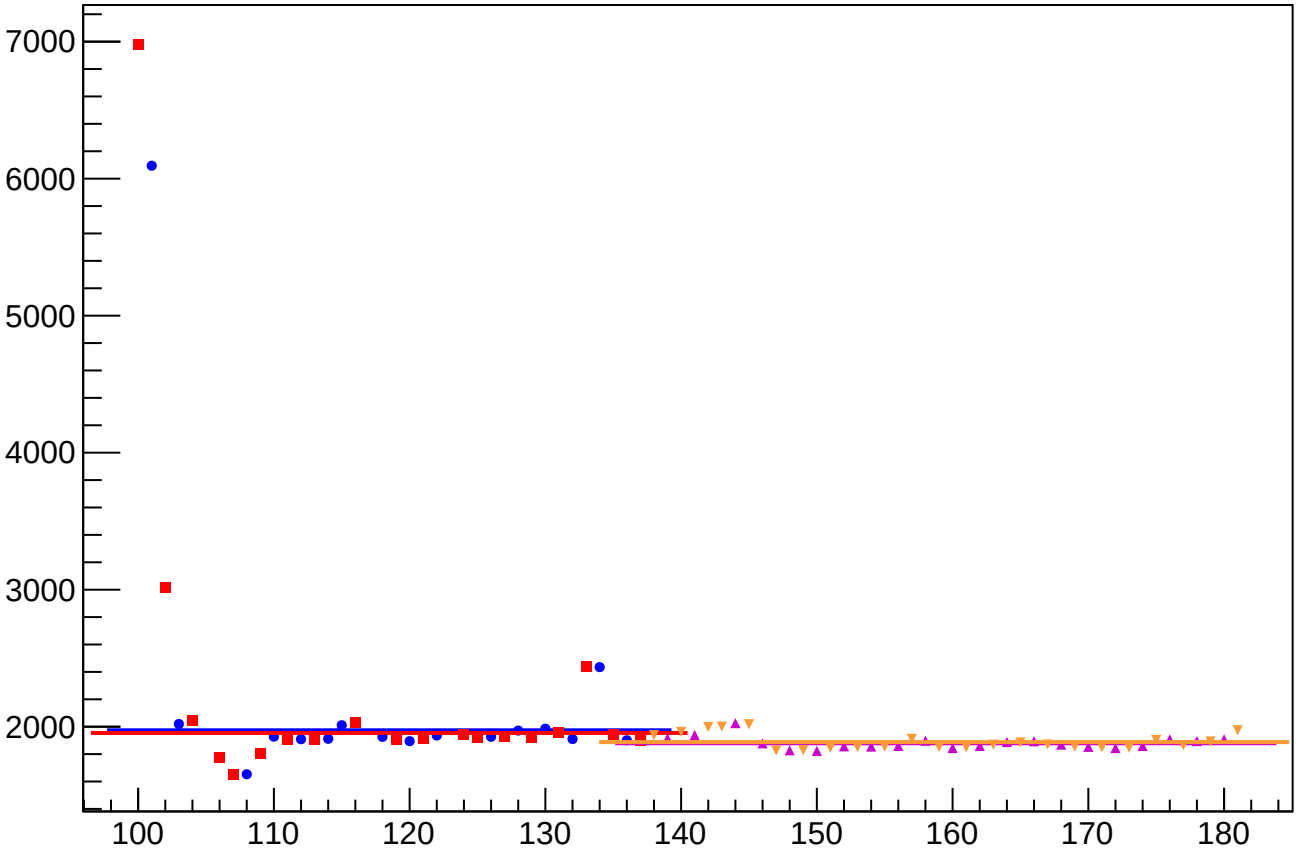
Left In: -2734.538+/-452.531 χ^2/NDF:24.5/20

+ sign 2123.219+/-380.346 χ^2/NDF: 40.8/38

All: -251.254+/-270.691 χ^2/NDF: 161.3/78

- sign -2688.387+/-385.332 χ^2/NDF: 41.6/39

dit_asym_atr_avg_rms vs Slug



Right In: 1973.748+/-0.531 χ^2/NDF: 665124.2/15

Left Out: 1887.713+/-0.312 χ^2/NDF:31511.4/22

Right Out: 1954.339+/-0.519 χ^2/NDF: 246211.3/18

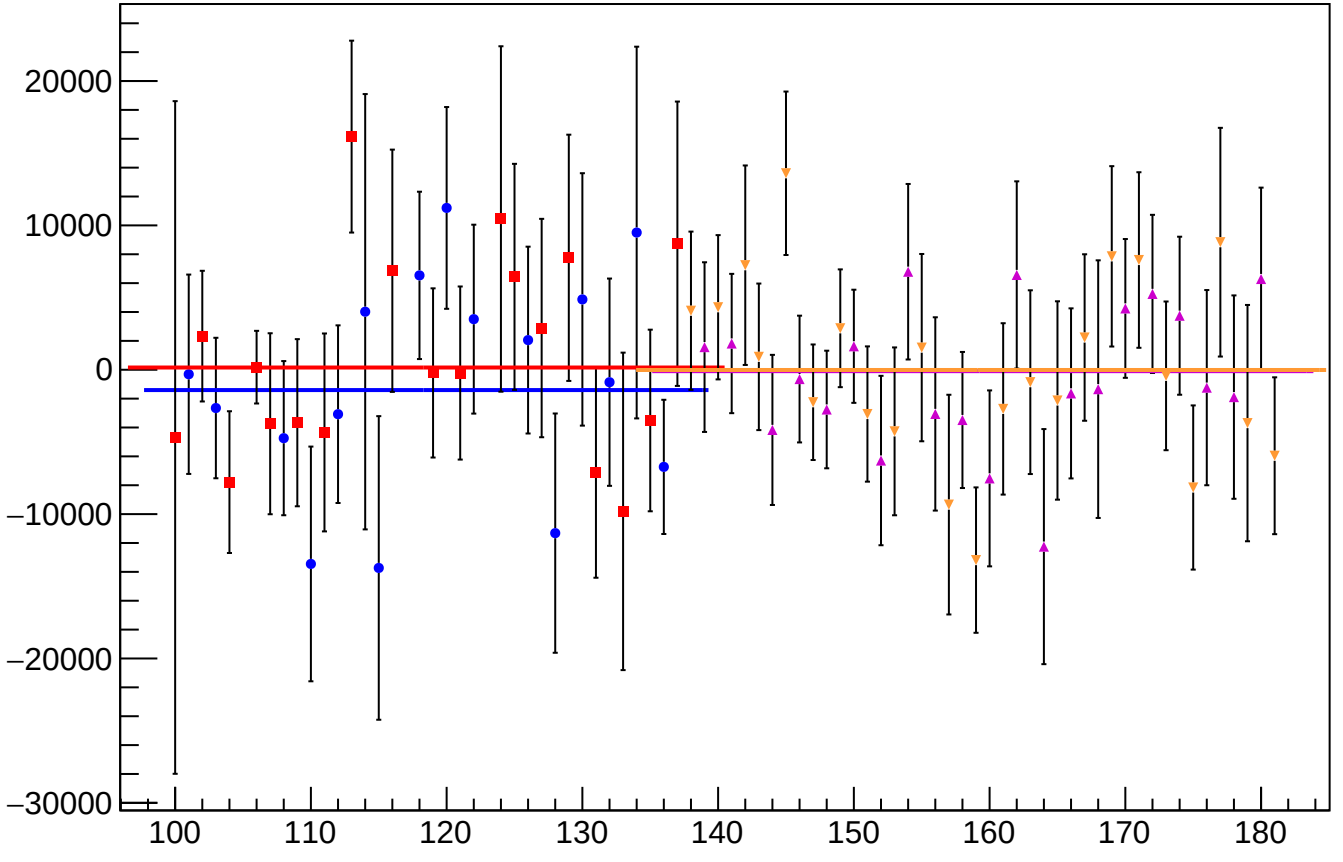
Left In: 1879.131+/-0.320 χ^2/NDF:18551.3/20

+ sign 1909.788+/-0.269 χ^2/NDF: 716156.1/38

All: 1904.875+/-0.191 χ^2/NDF: 996802.2/78

- sign 1899.835+/-0.272 χ^2/NDF: 279970.1/39

asym_atr_avg_dit_correction_mean vs Slug



Right In: -1407.382+/-1689.989 χ^2/NDF: 14.2/15

Left Out: -16.142+/-1168.167 χ^2/NDF:26.7/22

Right Out: 155.271+/-1363.642 χ^2/NDF: 15.8/18

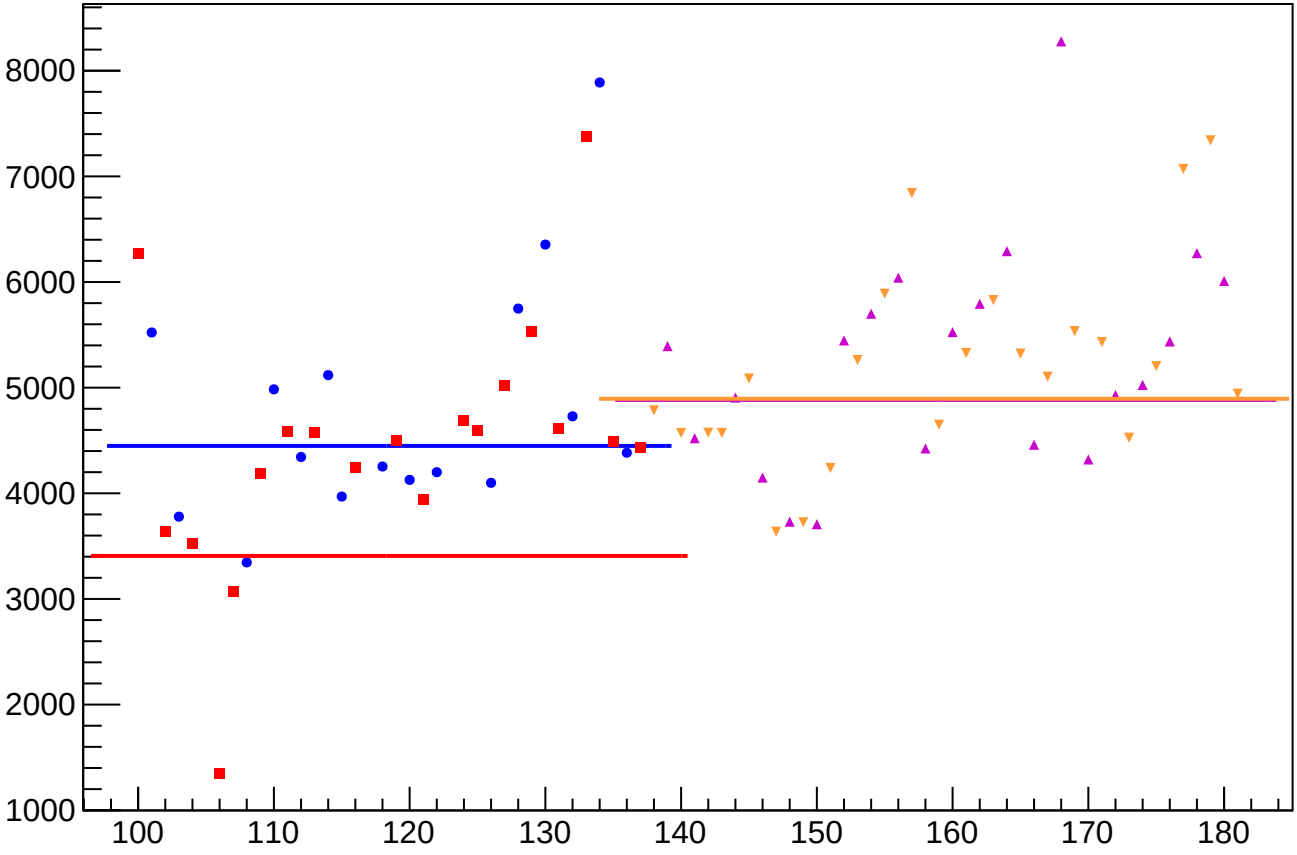
Left In: -97.630+/-1200.603 χ^2/NDF:12.8/20

\+ sign -465.953+/-960.943 χ^2/NDF: 41.4/38

All: -211.206+/-657.317 χ^2/NDF: 70.2/78

\- sign 12.805+/-901.113 χ^2/NDF: 28.7/39

asym_atr_avg_dit_correction_rms vs Slug



Right In: 4448.711+/-1.195 χ^2/NDF: 494613.5/15

Left Out: 4894.848+/-0.826 χ^2/NDF:1061943.5/22

Right Out: 3407.128+/-0.964 χ^2/NDF: 2326060.4/18

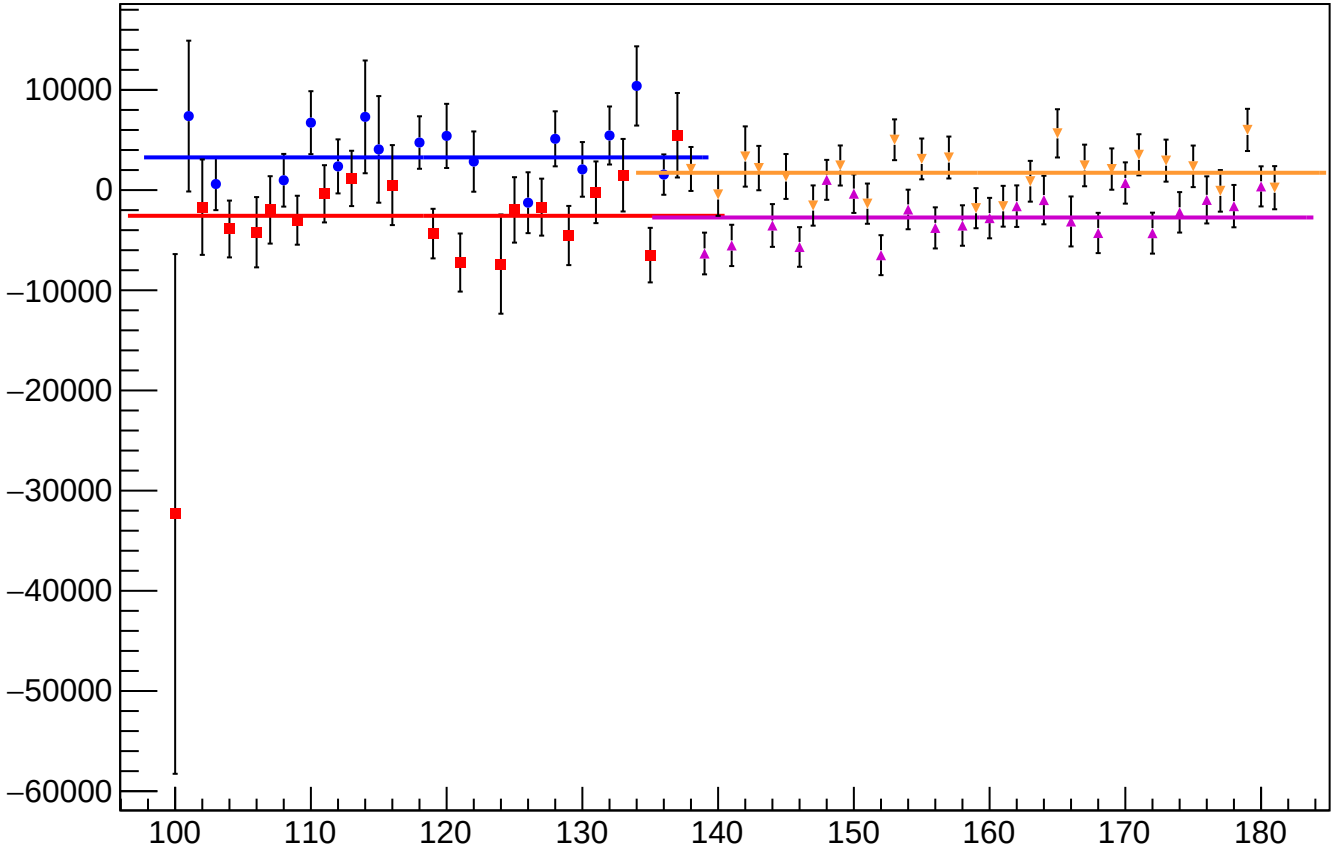
Left In: 4884.006+/-0.849 χ^2/NDF:1160659.5/20

+ sign 4750.605+/-0.679 χ^2/NDF: 1650873.0/38

All: 4478.429+/-0.465 χ^2/NDF: 6760662.9/78

- sign 4239.091+/-0.637 χ^2/NDF: 4808253.2/39

eigen_dit_asym_atr_avg_mean vs Slug



Right In: 3264.644+/-750.865 χ^2/NDF: 12.2/15

Left Out: 1729.257+/-441.127 χ^2/NDF:25.5/22

Right Out: -2566.689+/-734.875 χ^2/NDF: 17.0/18

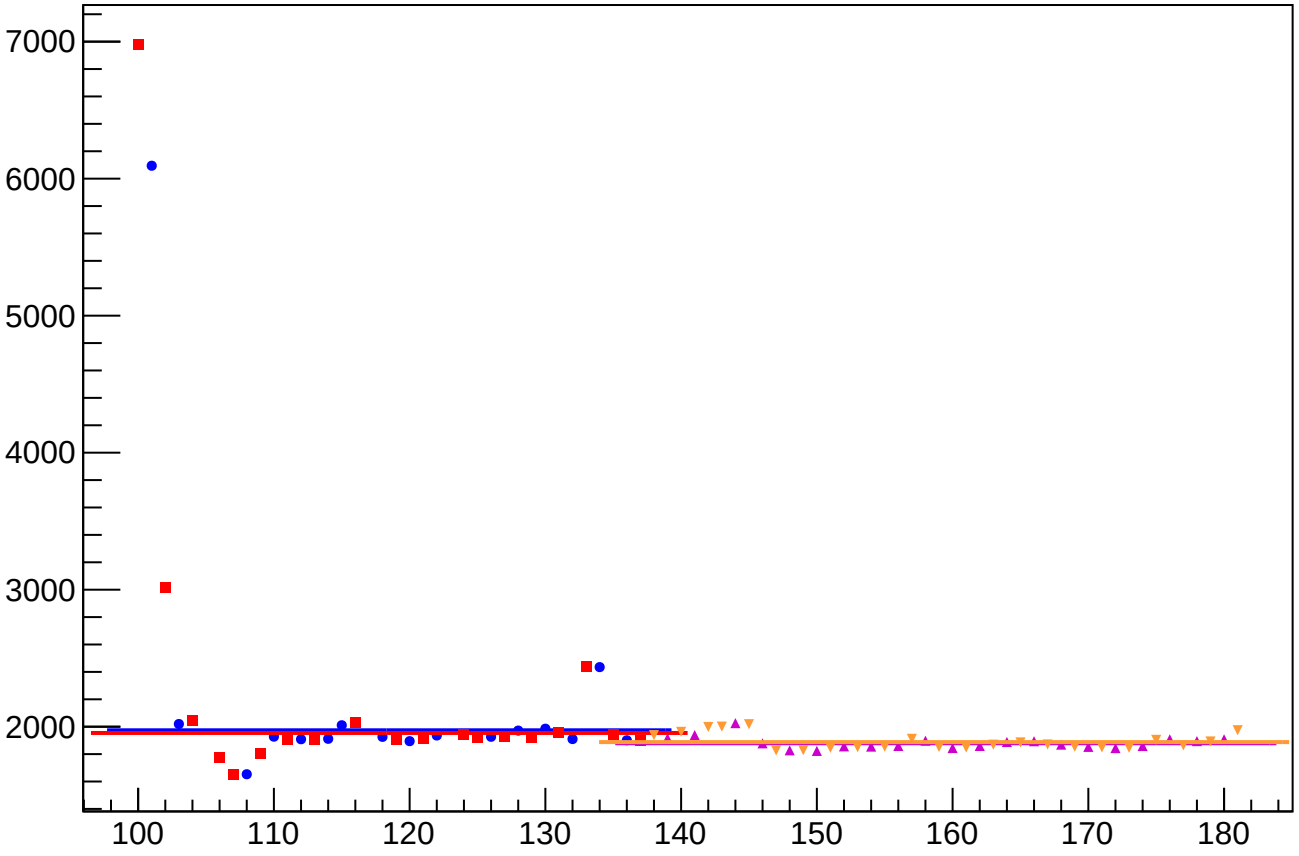
Left In: -2734.538+/-452.531 χ^2/NDF:24.5/20

+ sign 2123.217+/-380.346 χ^2/NDF: 40.8/38

All: -251.256+/-270.691 χ^2/NDF: 161.3/78

- sign -2688.389+/-385.332 χ^2/NDF: 41.6/39

eigen_dit_asym_atr_avg_rms vs Slug



Right In: 1973.748+/-0.531 χ^2/NDF: 665124.2/15

Left Out: 1887.713+/-0.312 χ^2/NDF:31511.4/22

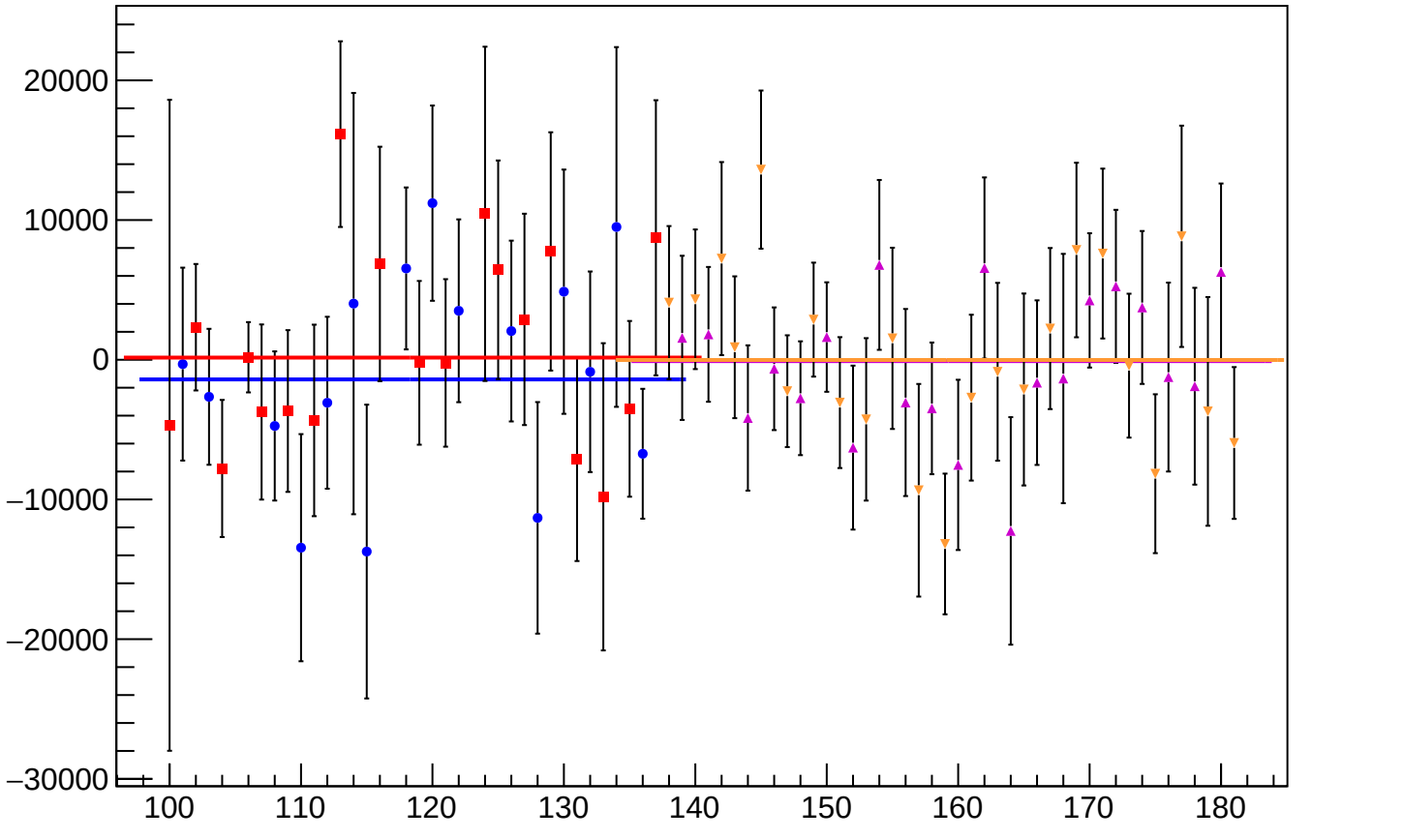
Right Out: 1954.339+/-0.519 χ^2/NDF: 246210.8/18

Left In: 1879.131+/-0.320 χ^2/NDF:18551.3/20

+ sign 1909.789+/-0.269 χ^2/NDF: 716155.7/38

All: 1904.876+/-0.191 χ^2/NDF: 996800.9/78

- sign 1899.835+/-0.272 χ^2/NDF: 279969.1/39



Right In: -1407.363+/-1689.986 χ^2/NDF: 14.2/15

Left Out: -16.144+/-1168.169 χ^2/NDF:26.7/22

Right Out: 155.272+/-1363.639 χ^2/NDF: 15.8/18

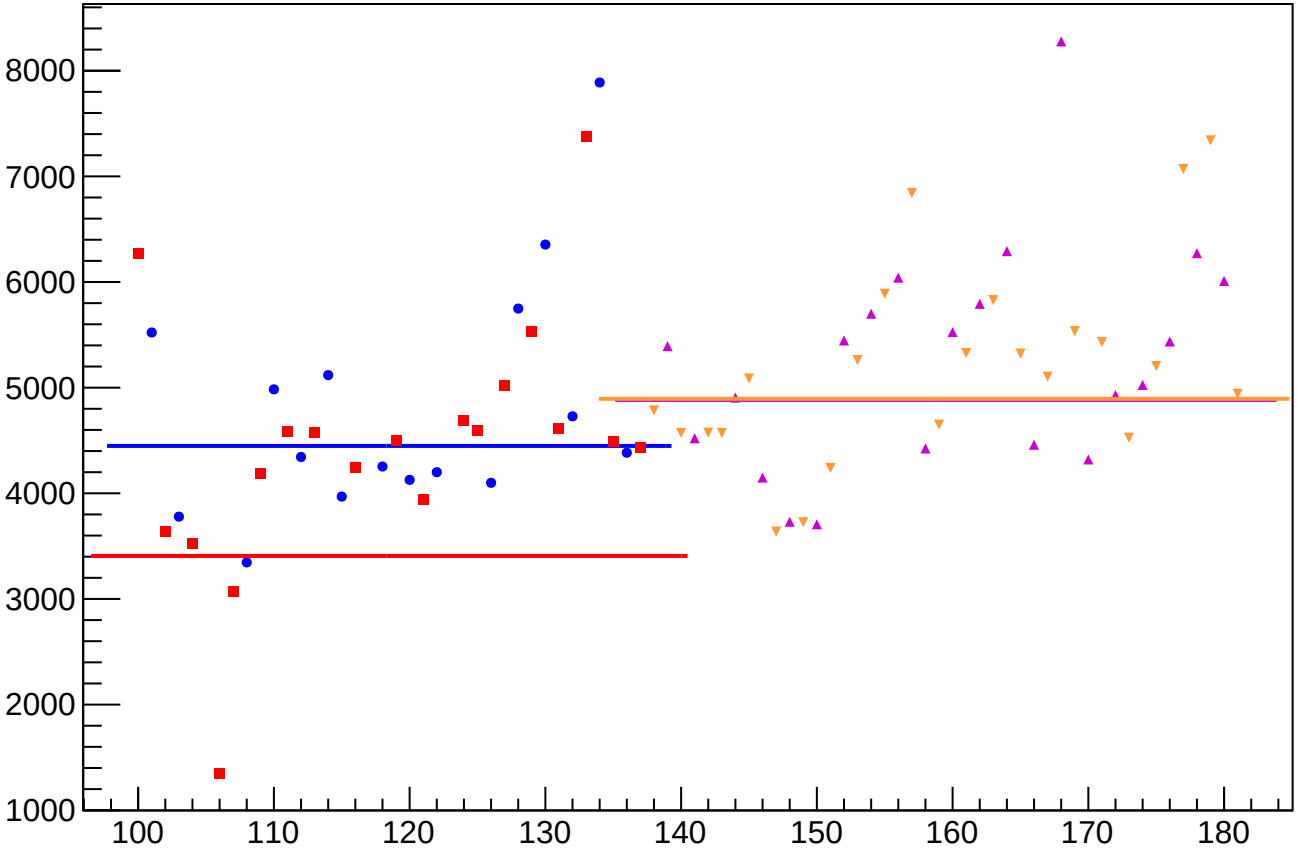
Left In: -97.629+/-1200.605 χ^2/NDF:12.8/20

\+ sign -465.950+/-960.944 χ^2/NDF: 41.4/38

All: -211.204+/-657.318 χ^2/NDF: 70.2/78

\- sign 12.807+/-901.113 χ^2/NDF: 28.7/39

asym_atr_avg_eigen_dit_correction_rms vs Slug



Right In: 4448.704+/-1.195 χ^2/NDF: 494610.6/15

Left Out: 4894.856+/-0.826 χ^2/NDF:1061944.9/22

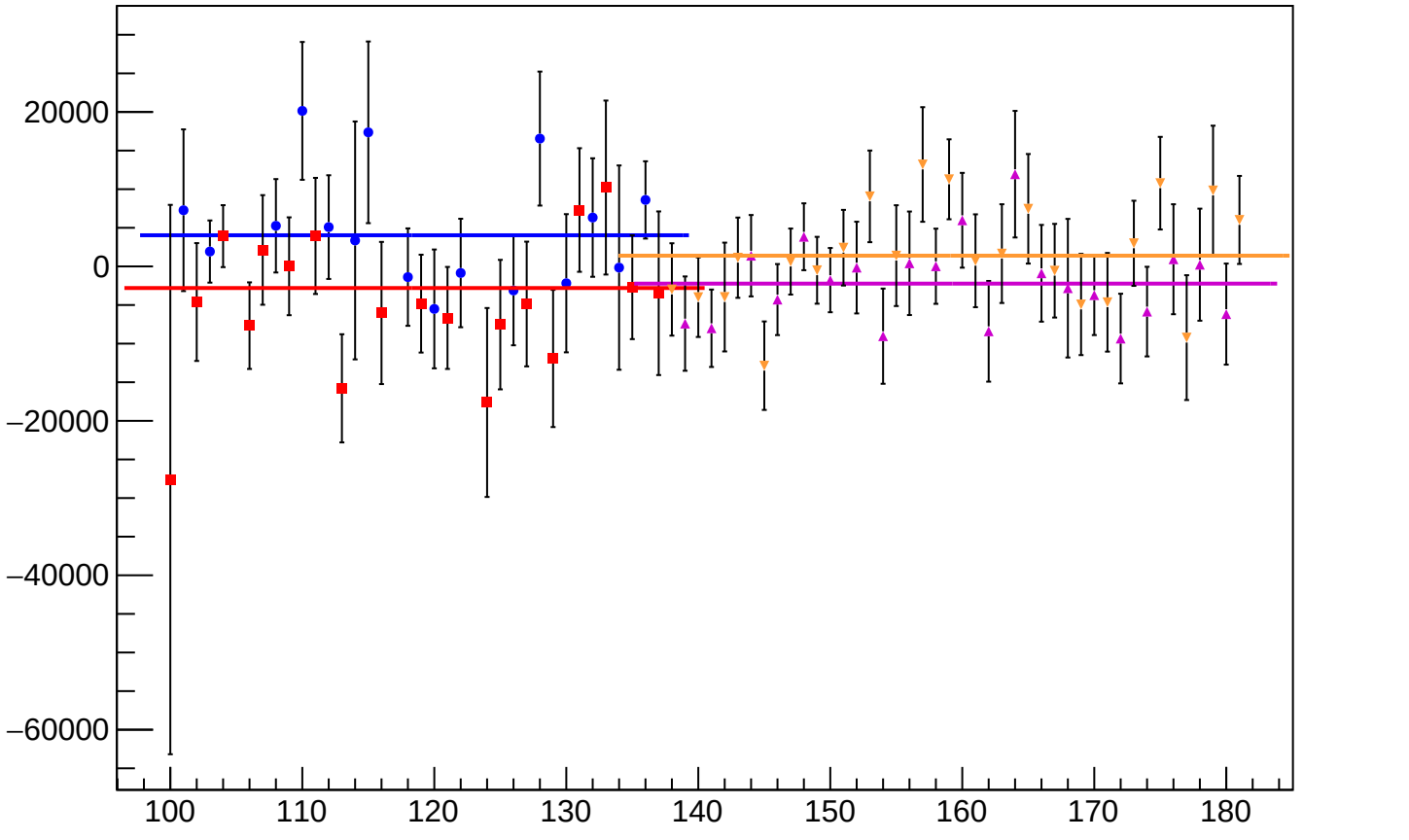
Right Out: 3407.120+/-0.964 χ^2/NDF: 2326064.2/18

Left In: 4884.014+/-0.849 χ^2/NDF:1160661.7/20

+ sign 4750.607+/-0.679 χ^2/NDF: 1650877.9/38

All: 4478.429+/-0.465 χ^2/NDF: 6760708.5/78

- sign 4239.089+/-0.637 χ^2/NDF: 4808288.9/39



Right In: 4034.572+/-1782.030 χ^2/NDF: 12.3/15

Left Out: 1390.757+/-1214.239 χ^2/NDF:25.1/22

Right Out: -2800.547+/-1671.877 χ^2/NDF: 15.4/18

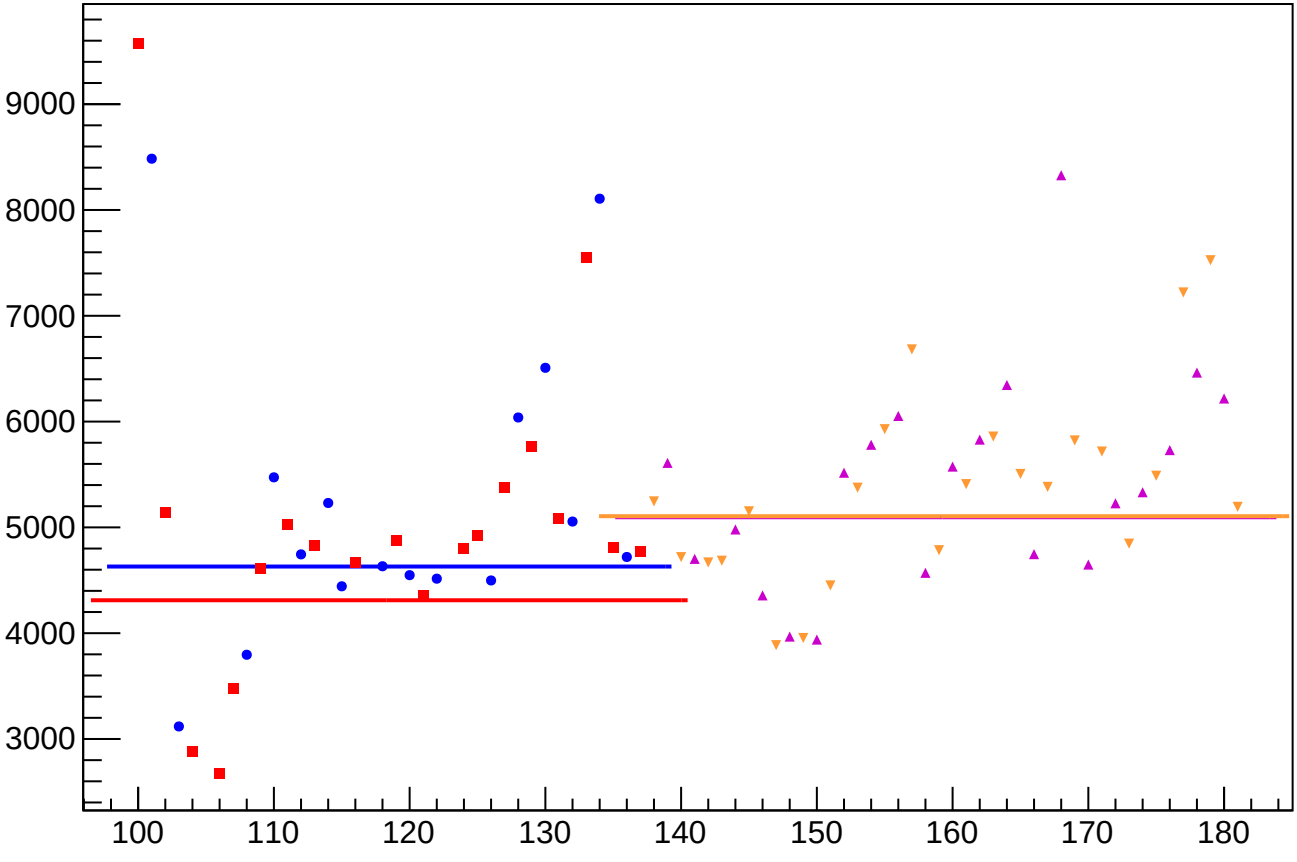
Left In: -2230.126+/-1248.380 χ^2/NDF:14.8/20

+ sign 2229.031+/-1003.442 χ^2/NDF: 39.0/38

All: -109.982+/-708.424 χ^2/NDF: 80.1/78

- sign -2434.318+/-1000.289 χ^2/NDF: 30.3/39

asym_atr_avg_rms vs Slug



Right In: 4629.967+/-1.260 χ^2/NDF: 900246.3/15

Left Out: 5105.716+/-0.859 χ^2/NDF:908720.6/22

Right Out: 4311.218+/-1.172 χ^2/NDF: 904737.2/18

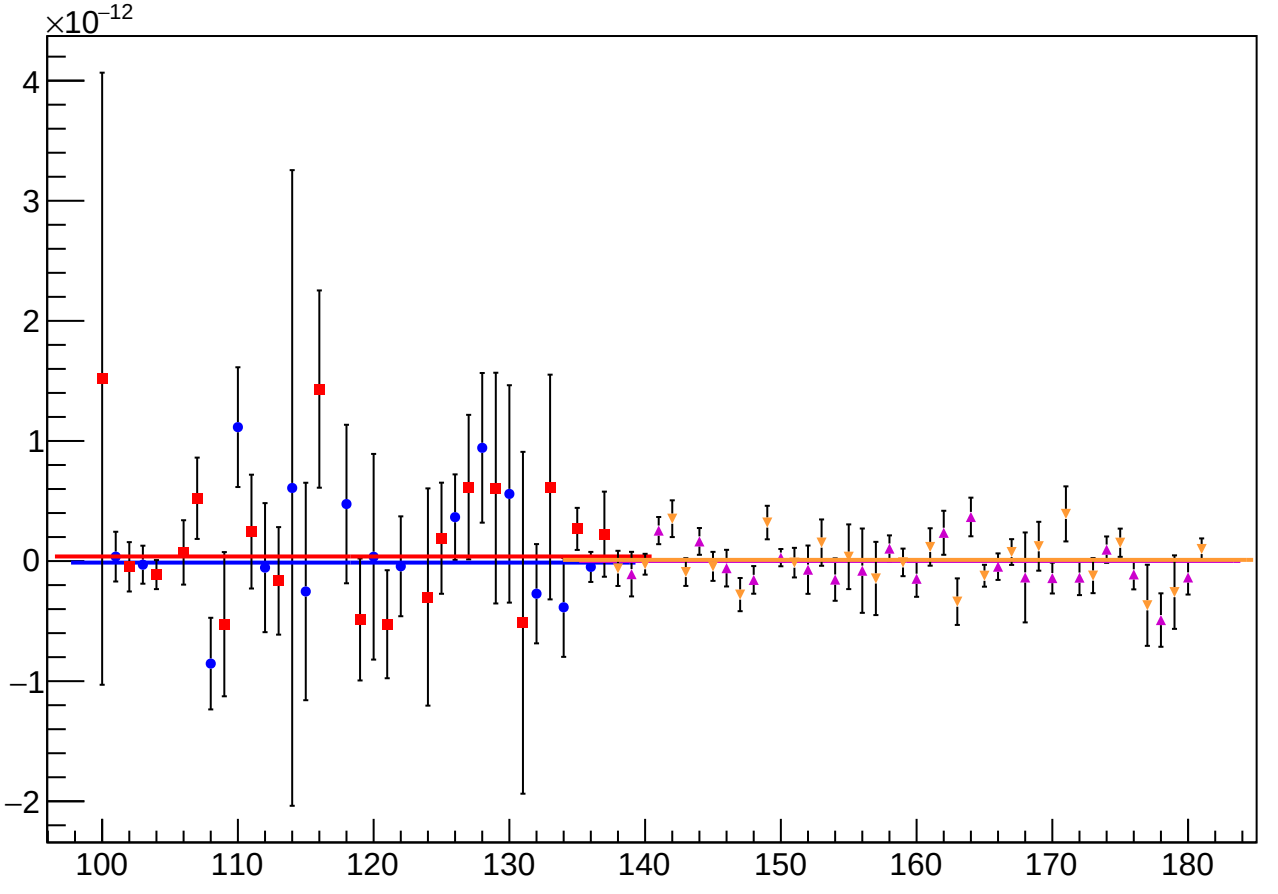
Left In: 5095.792+/-0.883 χ^2/NDF:982566.7/20

+ sign 4954.870+/-0.710 χ^2/NDF: 1906316.0/38

All: 4882.886+/-0.500 χ^2/NDF: 4100018.2/78

- sign 4811.799+/-0.705 χ^2/NDF: 2173245.4/39

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:31.2/22

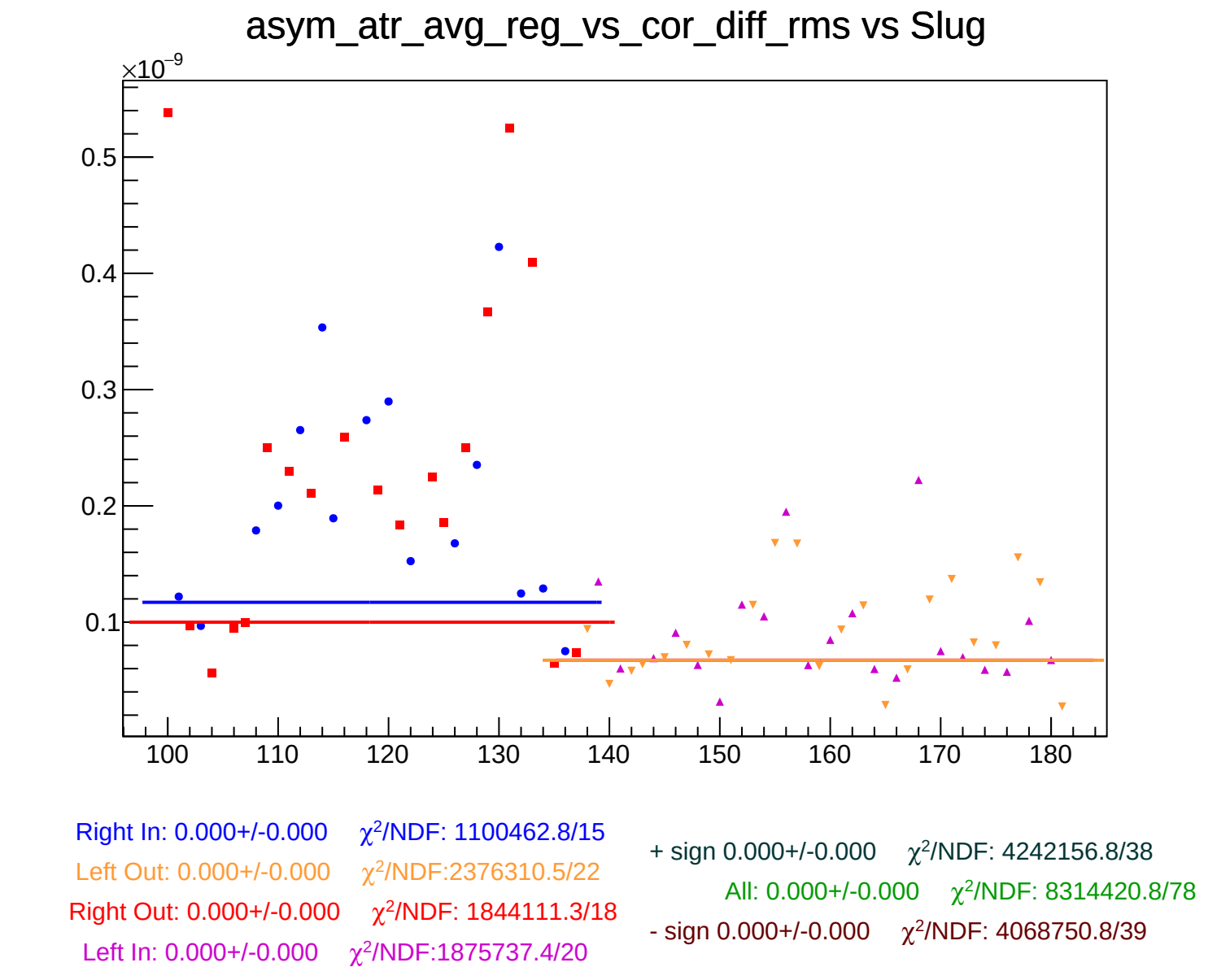
Right Out: 0.000+/-0.000 χ^2/NDF: 15.0/18

Left In: 0.000+/-0.000 χ^2/NDF:29.1/20

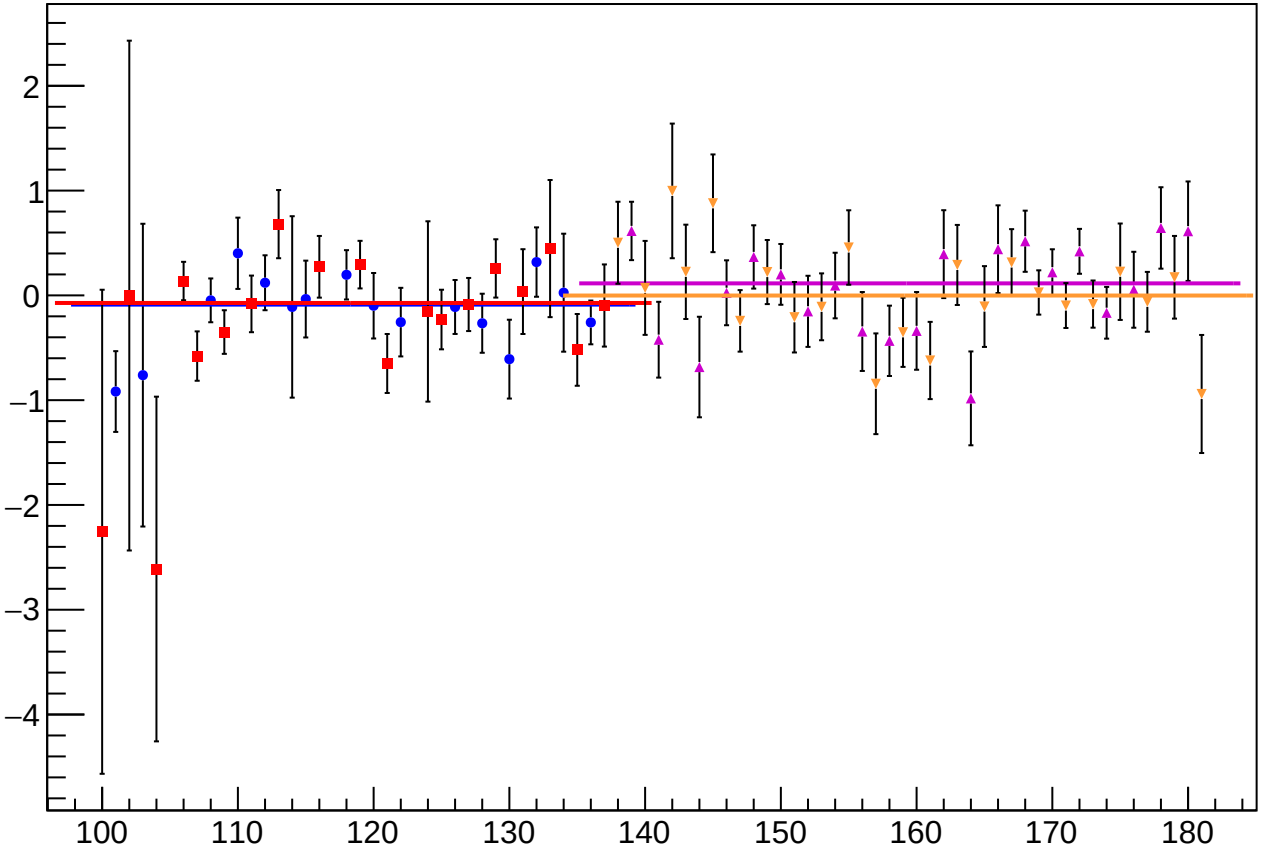
+ sign 0.000+/-0.000 χ^2/NDF: 47.2/38

All: 0.000+/-0.000 χ^2/NDF: 91.5/78

- sign 0.000+/-0.000 χ^2/NDF: 44.3/39


asym_atr_avg_reg_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: 1100462.8/15
Left Out: 0.000+/-0.000 χ²/NDF:2376310.5/22
Right Out: 0.000+/-0.000 χ²/NDF: 1844111.3/18
Left In: 0.000+/-0.000 χ²/NDF:1875737.4/20
+ sign 0.000+/-0.000 χ²/NDF: 4242156.8/38
All: 0.000+/-0.000 χ²/NDF: 8314420.8/78
- sign 0.000+/-0.000 χ²/NDF: 4068750.8/39

asym_atr_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: -0.001+/-0.069 χ^2/NDF:23.6/22

Right Out: -0.072+/-0.070 χ^2/NDF: 28.7/18

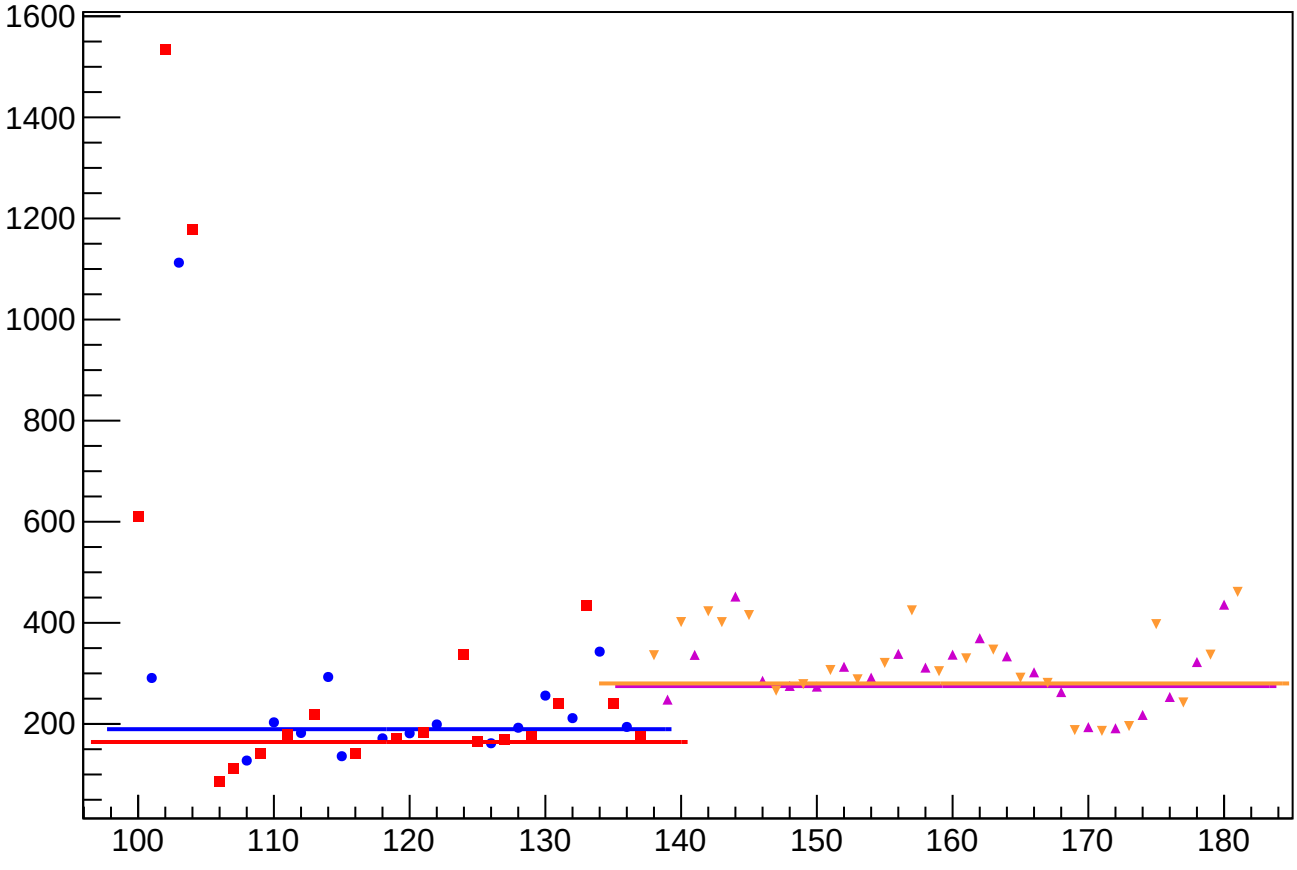
Left In: 0.115+/-0.070 χ^2/NDF:30.8/20

+ sign -0.040+/-0.052 χ^2/NDF: 38.1/38

All: -0.008+/-0.036 χ^2/NDF: 102.0/78

- sign 0.022+/-0.049 χ^2/NDF: 63.1/39

asym_atr_avg_dit_vs_cor_diff_rms vs Slug



Right In: 189.628+/-0.054 χ^2/NDF: 1465476.9/15

Left Out: 280.113+/-0.049 χ^2/NDF:2394938.1/22

Right Out: 164.287+/-0.050 χ^2/NDF: 2643490.2/18

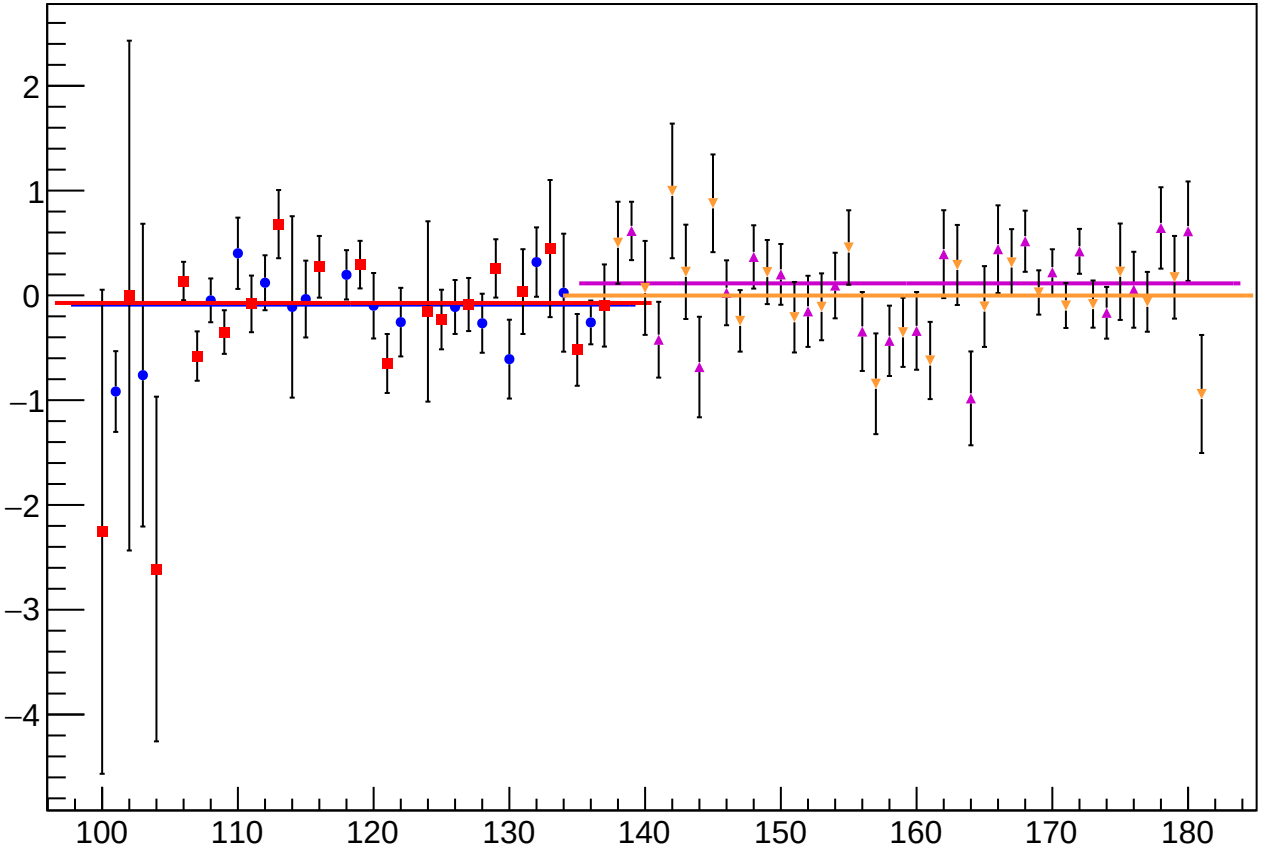
Left In: 274.926+/-0.049 χ^2/NDF:1619781.3/20

+ sign 239.370+/-0.036 χ^2/NDF: 5387815.3/38

All: 229.213+/-0.025 χ^2/NDF: 12309756.5/78

- sign 219.879+/-0.035 χ^2/NDF: 6772749.3/39

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: -0.001+/-0.069 χ^2/NDF:23.6/22

Right Out: -0.072+/-0.070 χ^2/NDF: 28.7/18

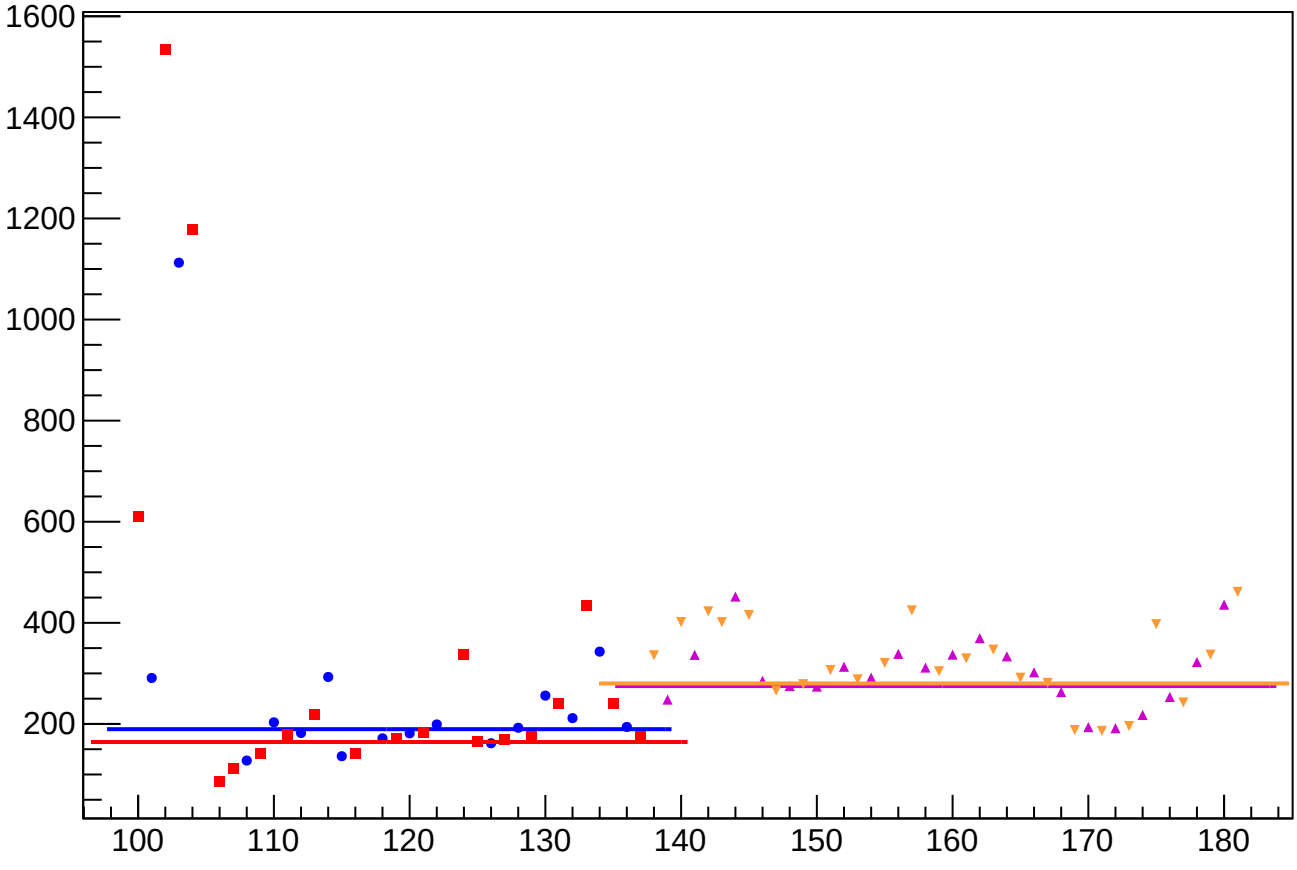
Left In: 0.115+/-0.070 χ^2/NDF:30.8/20

+ sign -0.040+/-0.052 χ^2/NDF: 38.1/38

All: -0.008+/-0.036 χ^2/NDF: 102.0/78

- sign 0.022+/-0.049 χ^2/NDF: 63.1/39

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: 280.113+/-0.049 χ^2/NDF:2394938.1/22

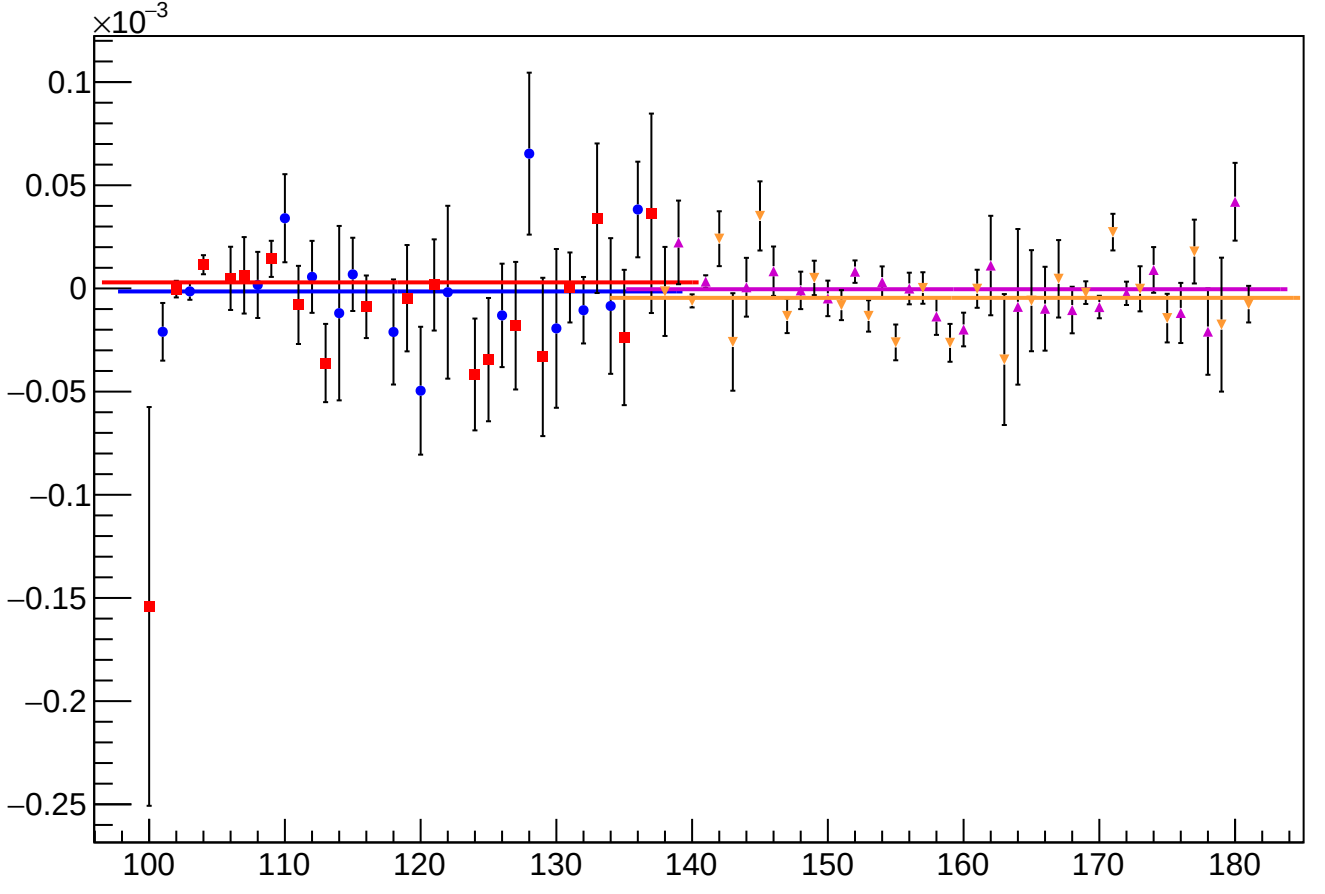
Right Out: 164.287+/-0.050 χ^2/NDF: 2643490.2/18

Left In: 274.926+/-0.049 χ^2/NDF:1619781.3/20

+ sign 239.370+/-0.036 χ^2/NDF: 5387815.3/38

All: 229.213+/-0.025 χ^2/NDF: 12309756.5/78

- sign 219.879+/-0.035 χ^2/NDF: 6772749.3/39



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:45.3/22

Right Out: 0.000+/-0.000 χ^2/NDF: 21.3/18

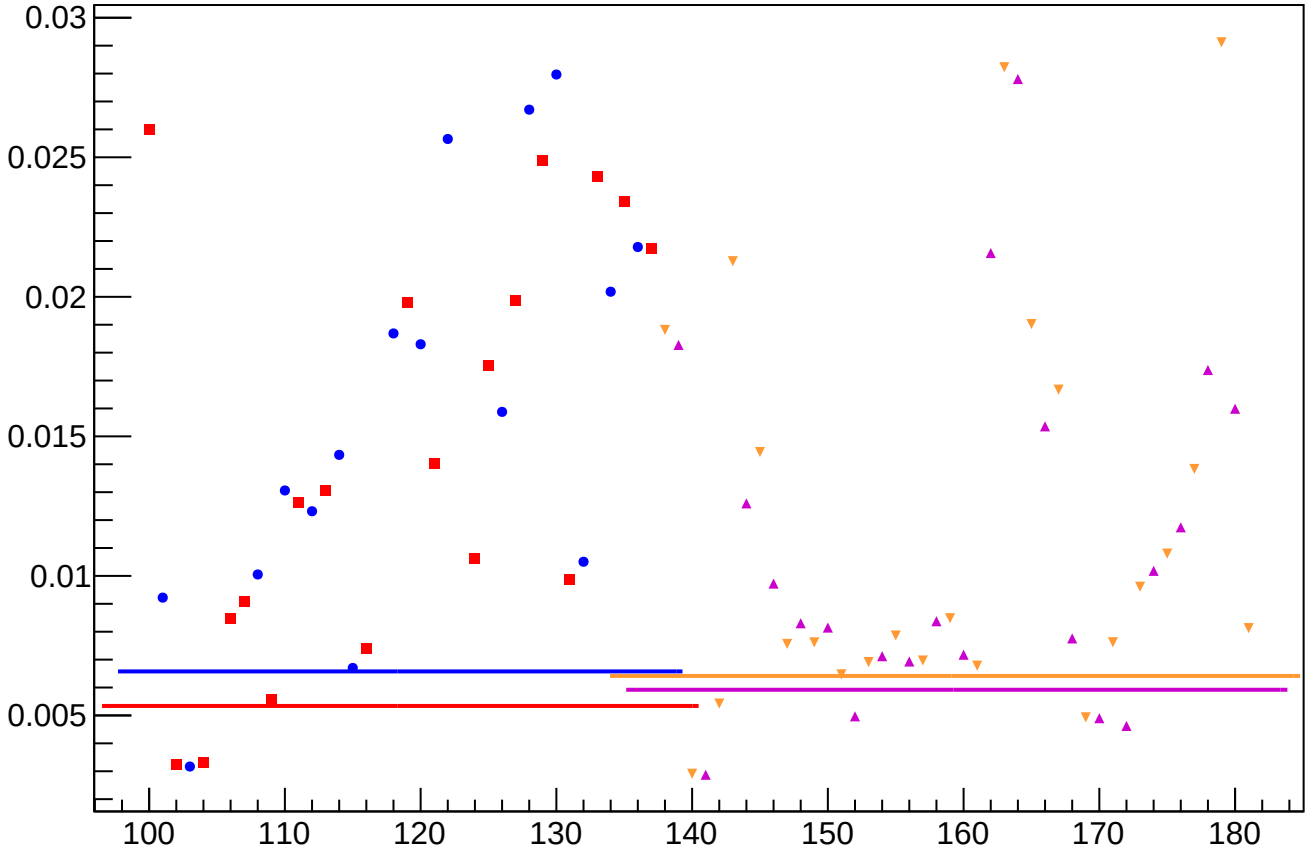
Left In: -0.000+/-0.000 χ^2/NDF:25.4/20

+ sign -0.000+/-0.000 χ^2/NDF: 60.8/38

All: -0.000+/-0.000 χ^2/NDF: 113.2/78

- sign 0.000+/-0.000 χ^2/NDF: 47.8/39

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:8838734.9/22

Right Out: 0.005+/-0.000 χ^2/NDF: 5685915.4/18

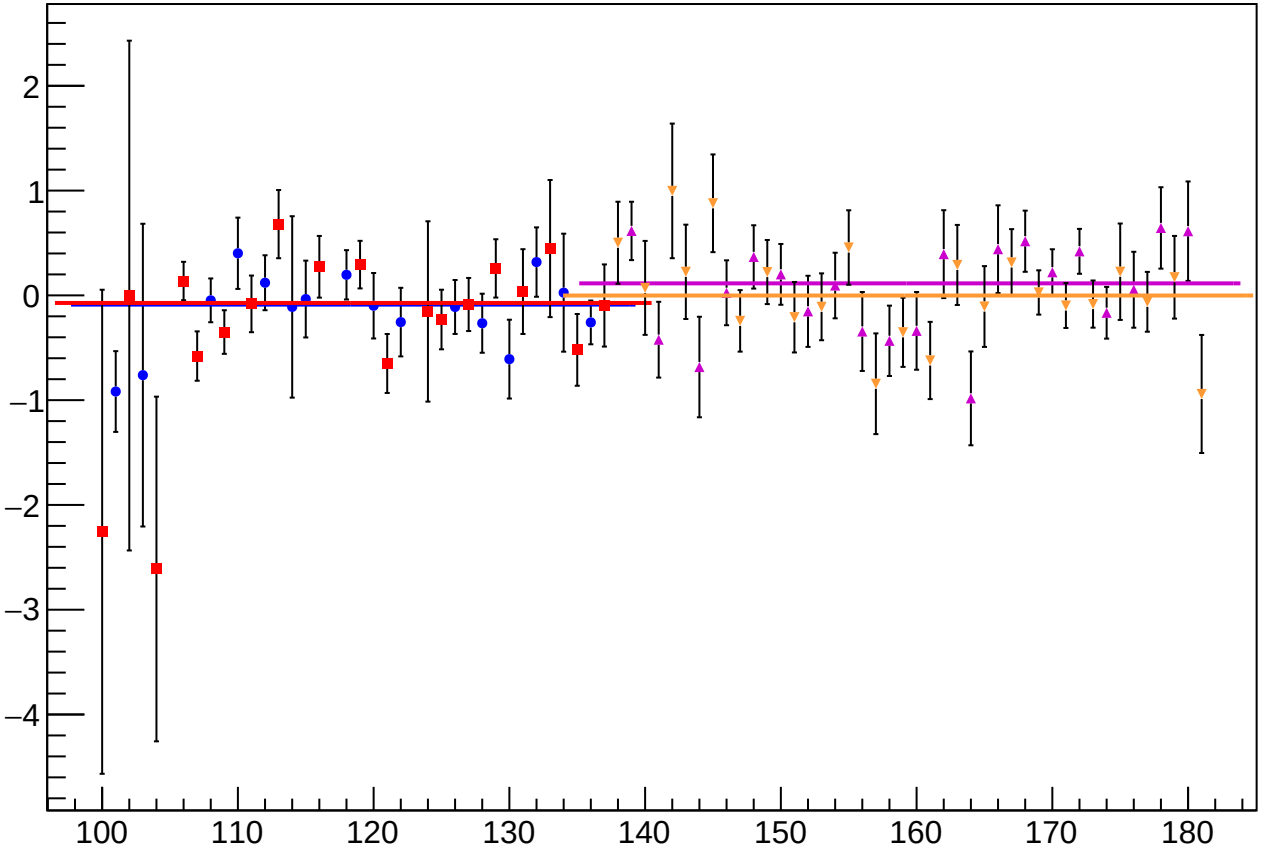
Left In: 0.006+/-0.000 χ^2/NDF:7945791.6/20

+ sign 0.006+/-0.000 χ^2/NDF: 14770473.5/38

All: 0.006+/-0.000 χ^2/NDF: 28697952.5/78

- sign 0.006+/-0.000 χ^2/NDF: 13702230.2/39

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: -0.001+/-0.069 χ^2/NDF:23.6/22

Right Out: -0.072+/-0.070 χ^2/NDF: 28.7/18

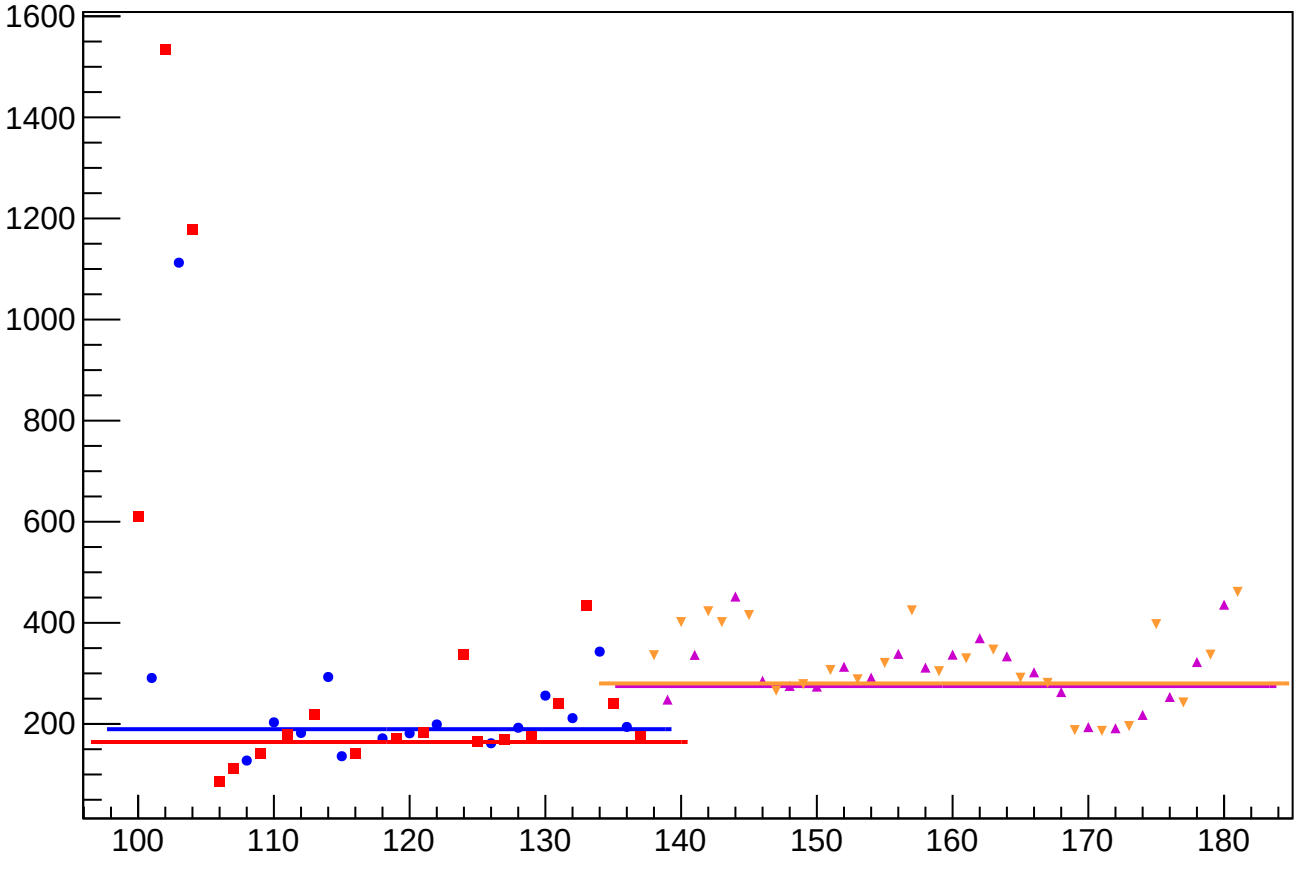
Left In: 0.115+/-0.070 χ^2/NDF:30.8/20

+ sign -0.040+/-0.052 χ^2/NDF: 38.1/38

All: -0.008+/-0.036 χ^2/NDF: 102.0/78

- sign 0.022+/-0.049 χ^2/NDF: 63.1/39

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: 280.115+/-0.049 χ^2/NDF:2395010.3/22

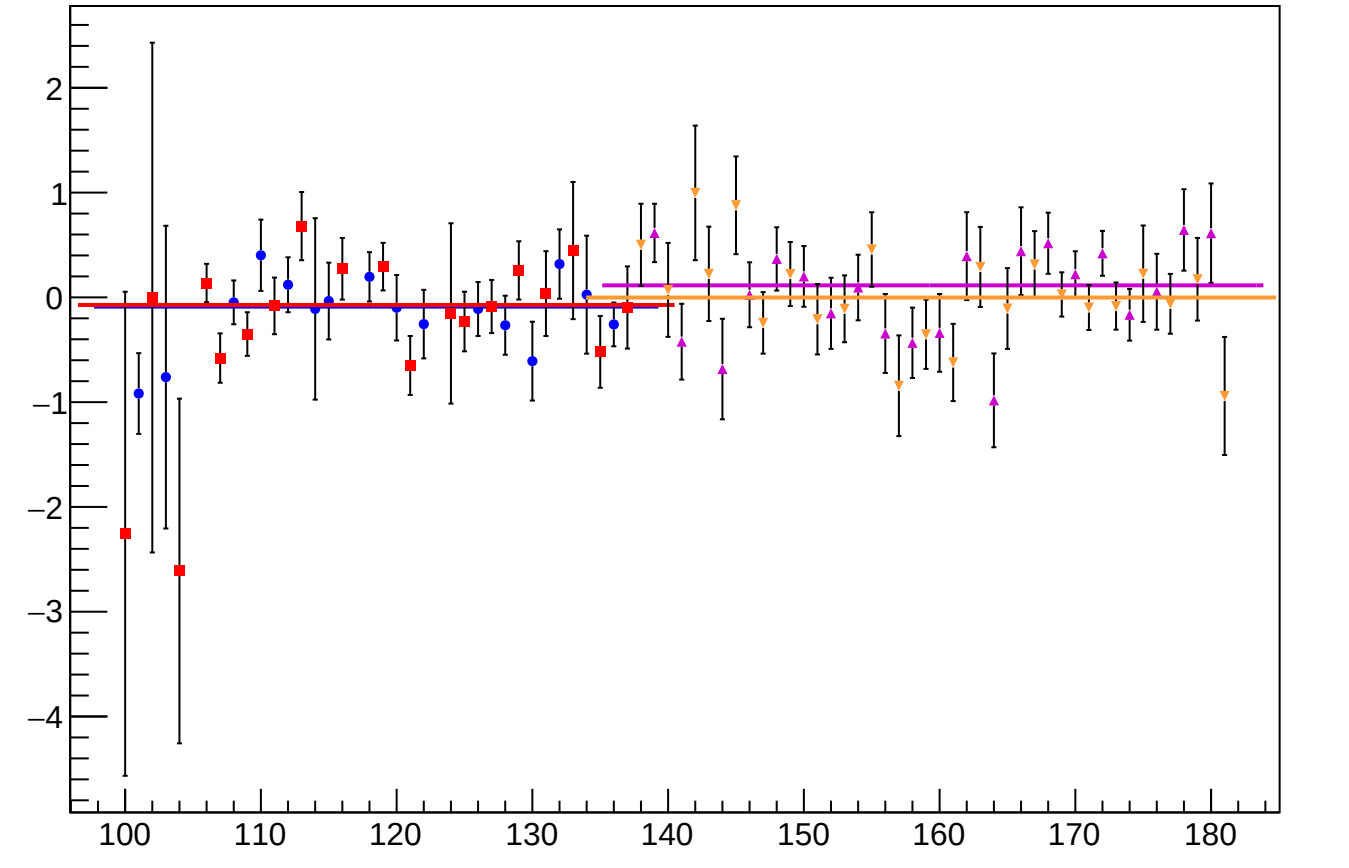
Right Out: 164.286+/-0.050 χ^2/NDF: 2643465.6/18

Left In: 274.928+/-0.049 χ^2/NDF:1619830.2/20

+ sign 239.370+/-0.036 χ^2/NDF: 5387976.4/38

All: 229.213+/-0.025 χ^2/NDF: 12310085.6/78

- sign 219.879+/-0.035 χ^2/NDF: 6772912.3/39



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: -0.001+/-0.069 χ^2/NDF:23.6/22

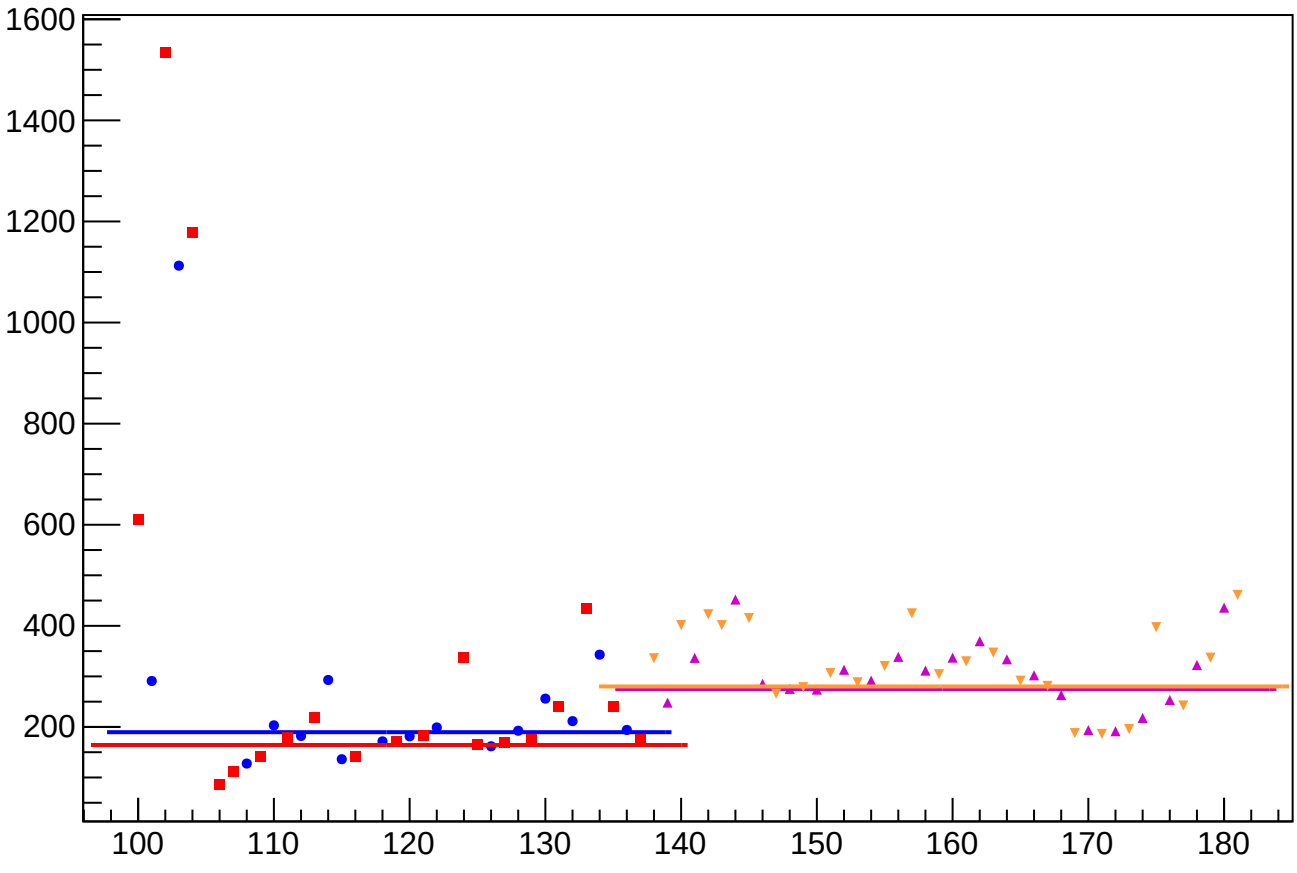
Right Out: -0.072+/-0.070 χ^2/NDF: 28.7/18

Left In: 0.115+/-0.070 χ^2/NDF:30.8/20

+ sign -0.040+/-0.052 χ^2/NDF: 38.1/38

All: -0.008+/-0.036 χ^2/NDF: 102.0/78

- sign 0.022+/-0.049 χ^2/NDF: 63.1/39



Right In: 189.628+/-0.054 χ^2/NDF: 1465464.1/15

Left Out: 280.115+/-0.049 χ^2/NDF:2395010.3/22

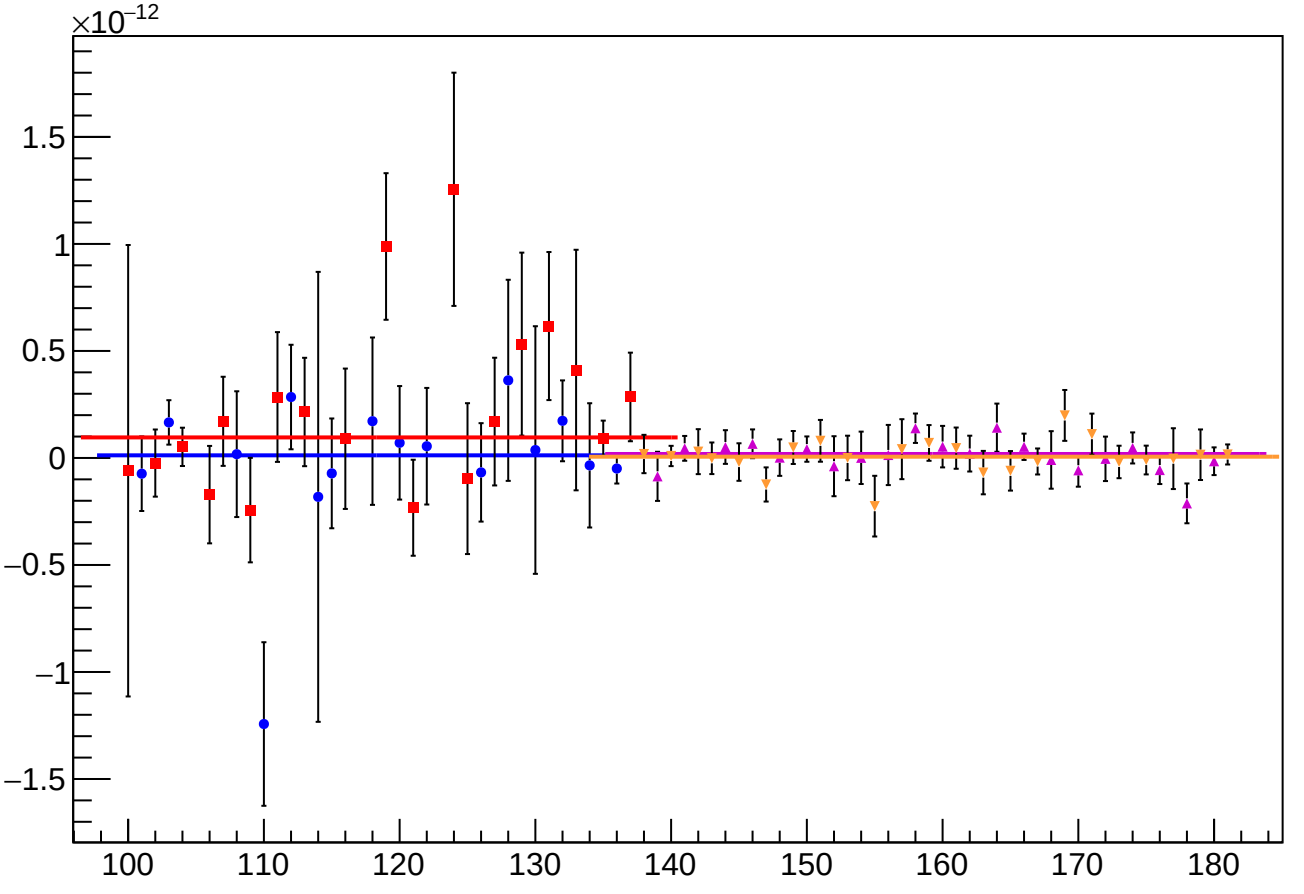
Right Out: 164.286+/-0.050 χ^2/NDF: 2643465.6/18

Left In: 274.928+/-0.049 χ^2/NDF:1619830.2/20

+ sign 239.370+/-0.036 χ^2/NDF: 5387976.4/38

All: 229.213+/-0.025 χ^2/NDF: 12310085.6/78

- sign 219.879+/-0.035 χ^2/NDF: 6772912.3/39



Right In: 0.000+/-0.000 χ^2/NDF: 17.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.4/22

Right Out: 0.000+/-0.000 χ^2/NDF: 23.2/18

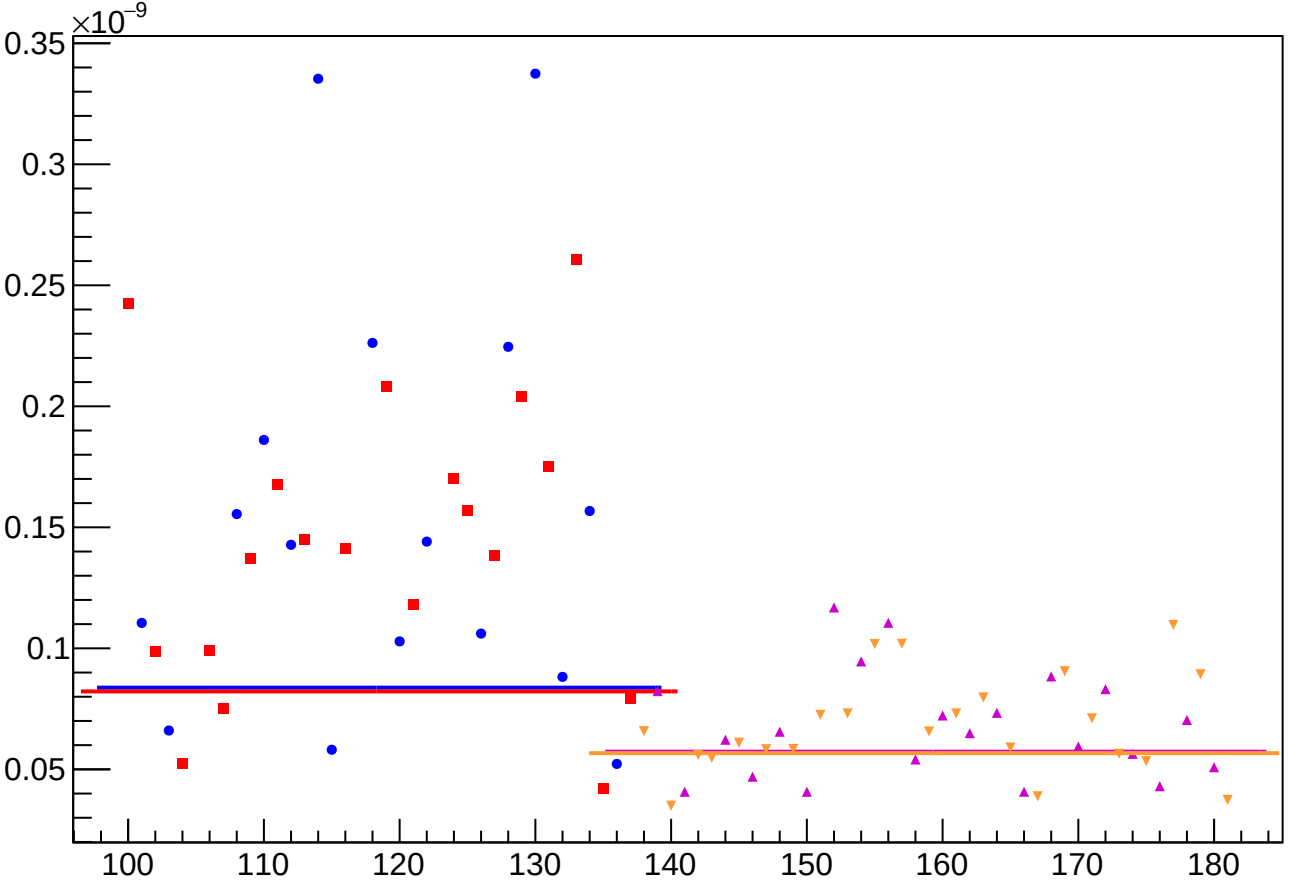
Left In: 0.000+/-0.000 χ^2/NDF:15.7/20

+ sign 0.000+/-0.000 χ^2/NDF: 29.5/38

All: 0.000+/-0.000 χ^2/NDF: 72.0/78

- sign 0.000+/-0.000 χ^2/NDF: 41.5/39

asym_atr_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2109060.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2300737.6/22

Right Out: 0.000+/-0.000 χ^2/NDF: 2271900.5/18

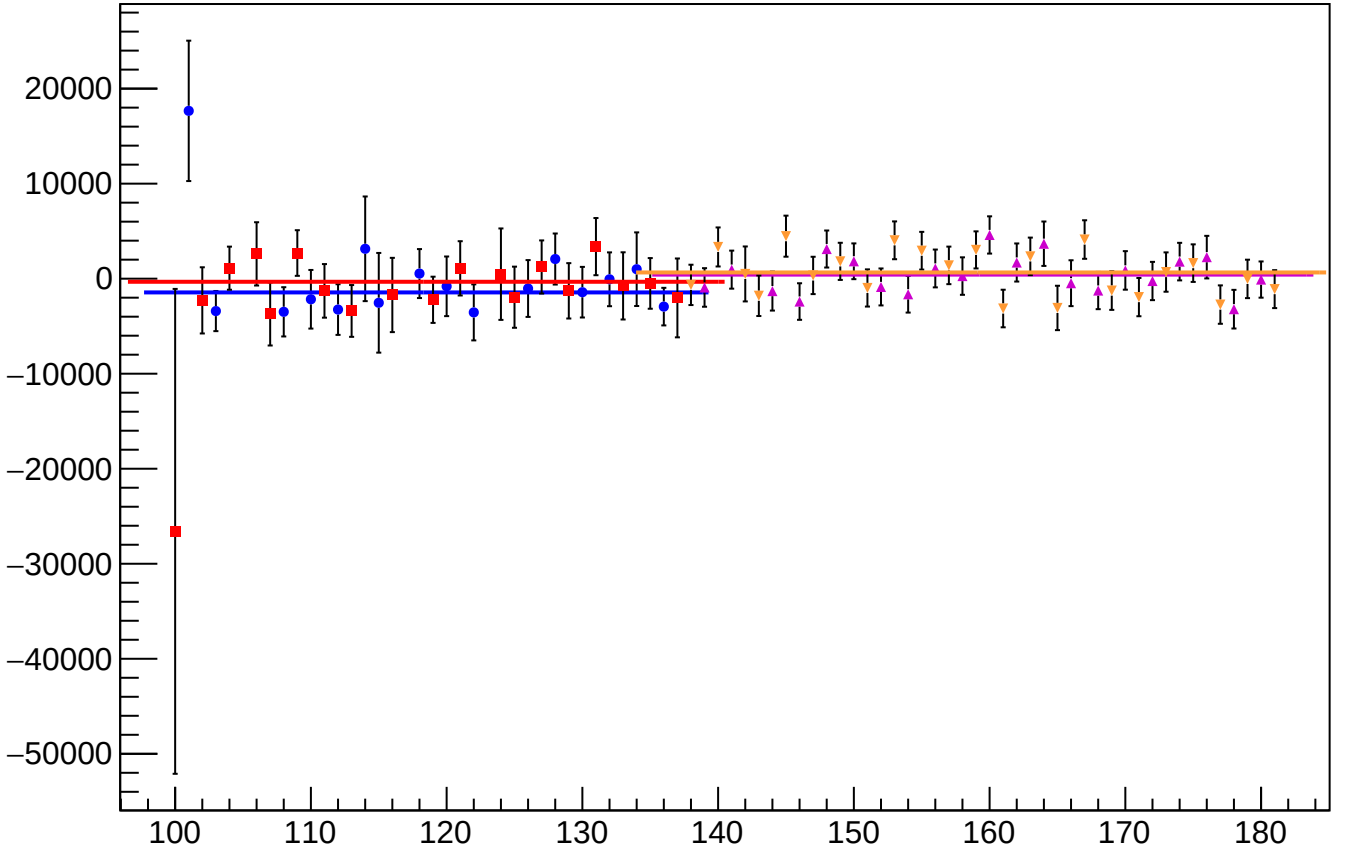
Left In: 0.000+/-0.000 χ^2/NDF:1964006.3/20

+ sign 0.000+/-0.000 χ^2/NDF: 5029607.9/38

All: 0.000+/-0.000 χ^2/NDF: 9804232.1/78

- sign 0.000+/-0.000 χ^2/NDF: 4773034.2/39

reg_asym_atr_dd_mean vs Slug



Right In: -1446.547+/-723.140 χ^2/NDF: 13.5/15

Left Out: 654.614+/-427.291 χ^2/NDF:29.8/22

Right Out: -325.908+/-702.648 χ^2/NDF: 9.9/18

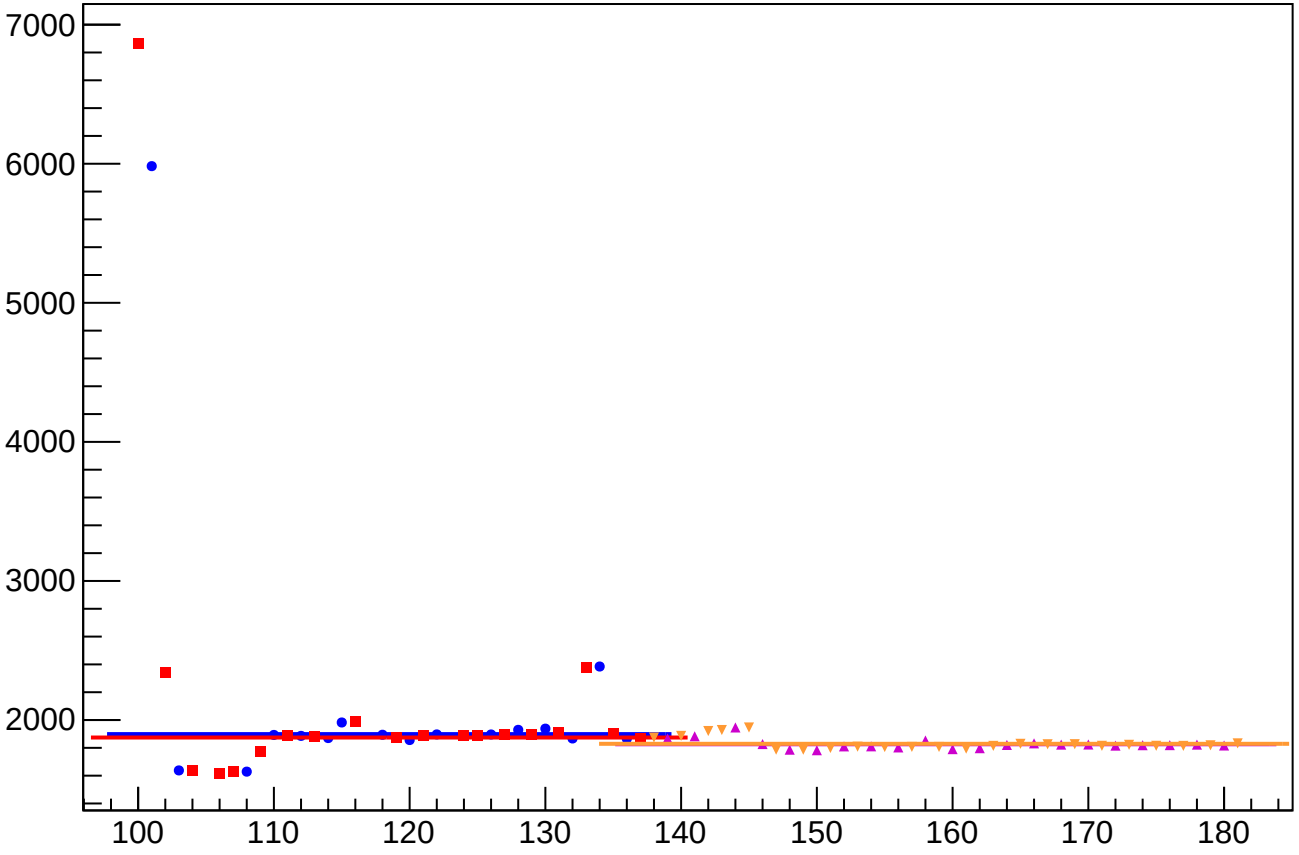
Left In: 427.289+/-439.580 χ^2/NDF:19.9/20

+ sign 110.858+/-367.871 χ^2/NDF: 49.6/38

All: 162.463+/-261.801 χ^2/NDF: 80.3/78

- sign 215.422+/-372.662 χ^2/NDF: 30.7/39

reg_asym_atr_dd_rms vs Slug



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.2/15

Left Out: 1829.045+/-0.302 χ^2/NDF:19171.1/22

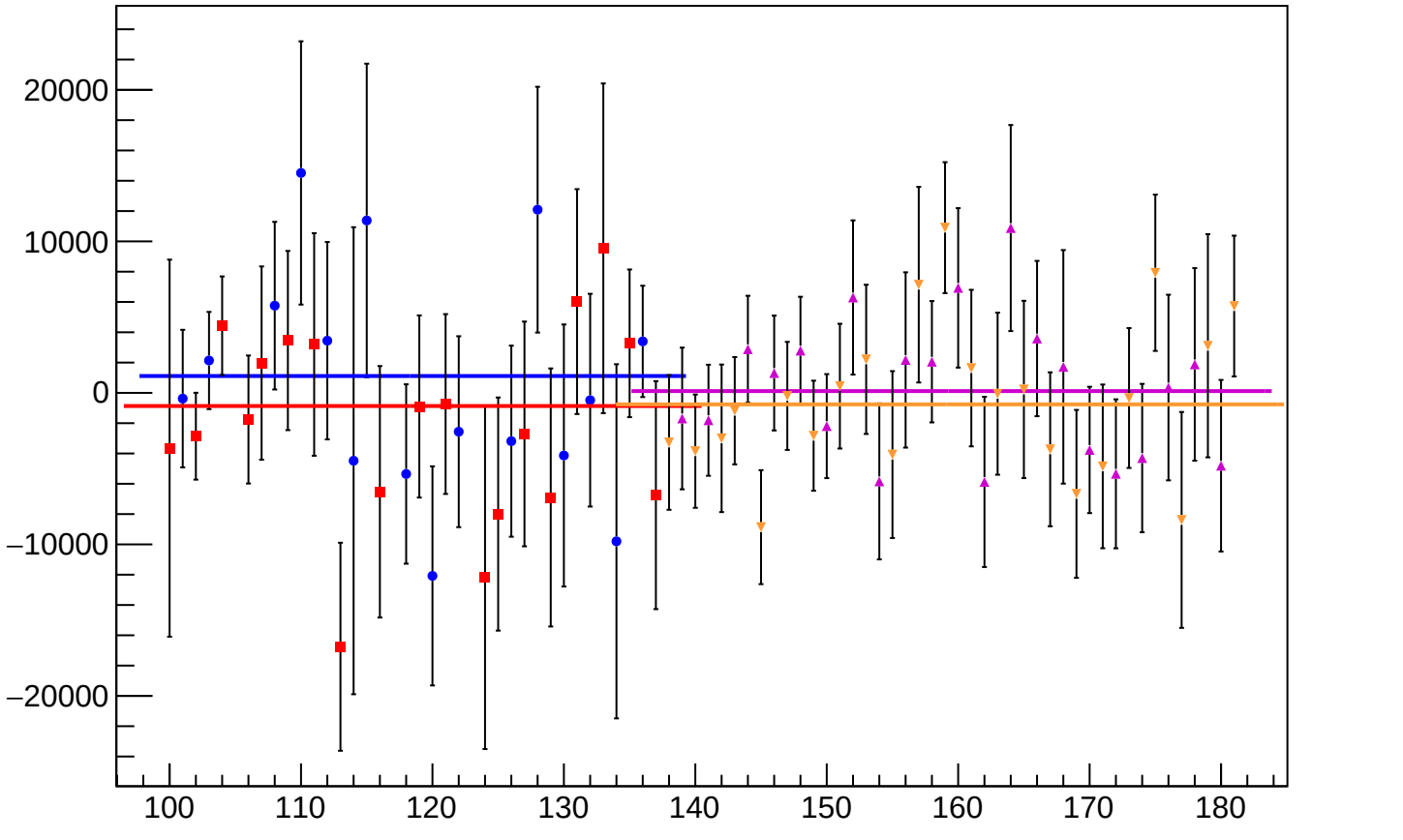
Right Out: 1874.251+/-0.495 χ^2/NDF: 207657.7/18

Left In: 1825.653+/-0.311 χ^2/NDF:13318.8/20

+ sign 1847.104+/-0.260 χ^2/NDF: 730489.2/38

All: 1843.293+/-0.185 χ^2/NDF: 958809.7/78

- sign 1839.390+/-0.263 χ^2/NDF: 227886.1/39



Right In: 1112.704+/-1479.265 χ^2/NDF: 13.4/15

Left Out: -758.088+/-972.979 χ^2/NDF:24.3/22

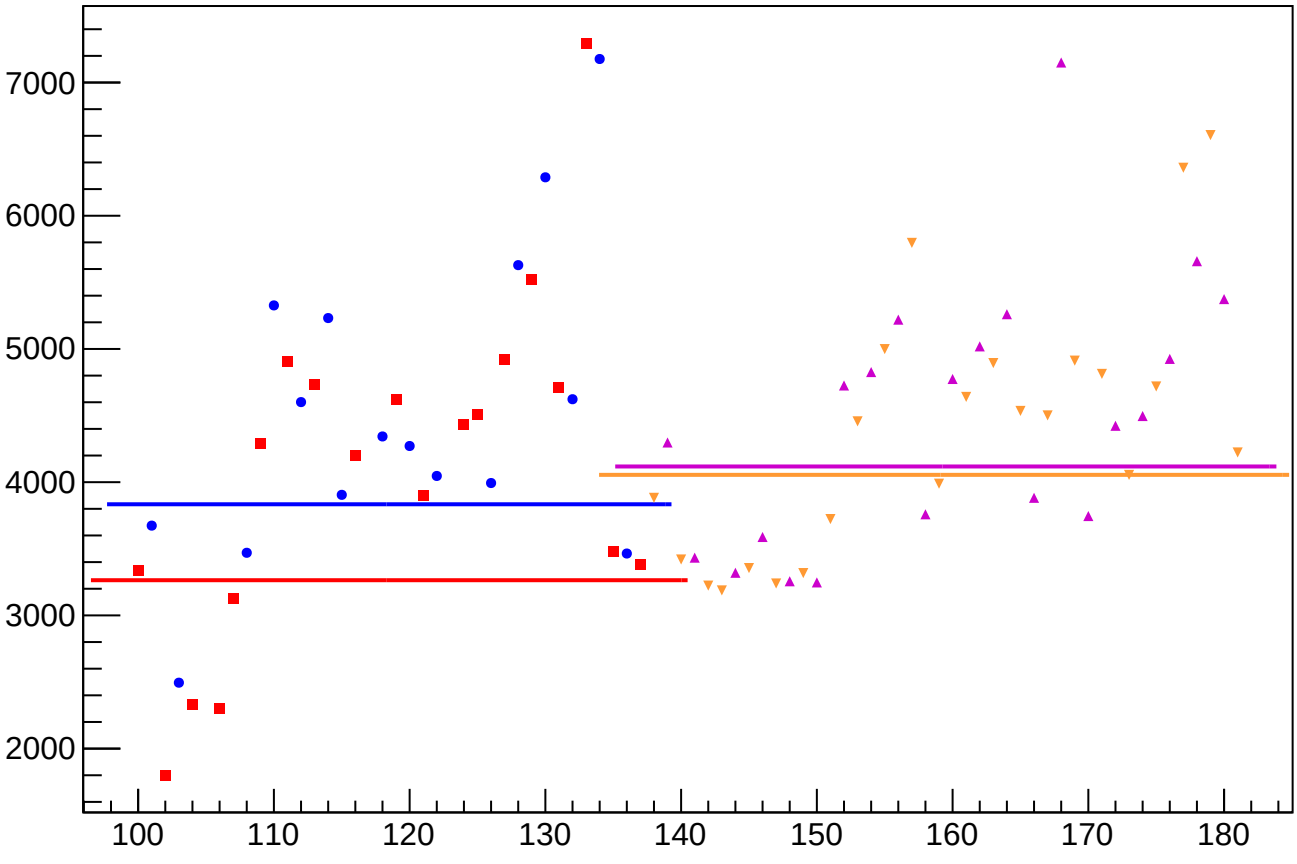
Right Out: -866.976+/-1307.223 χ^2/NDF: 15.6/18

Left In: 118.405+/-1015.151 χ^2/NDF:14.9/20

+ sign -193.142+/-812.899 χ^2/NDF: 38.8/38

All: -223.123+/-570.835 χ^2/NDF: 69.7/78

- sign -252.289+/-801.781 χ^2/NDF: 30.9/39



Right In: 3834.164+/-1.046 χ^2/NDF: 956775.6/15

Left Out: 4054.985+/-0.688 χ^2/NDF:1402387.1/22

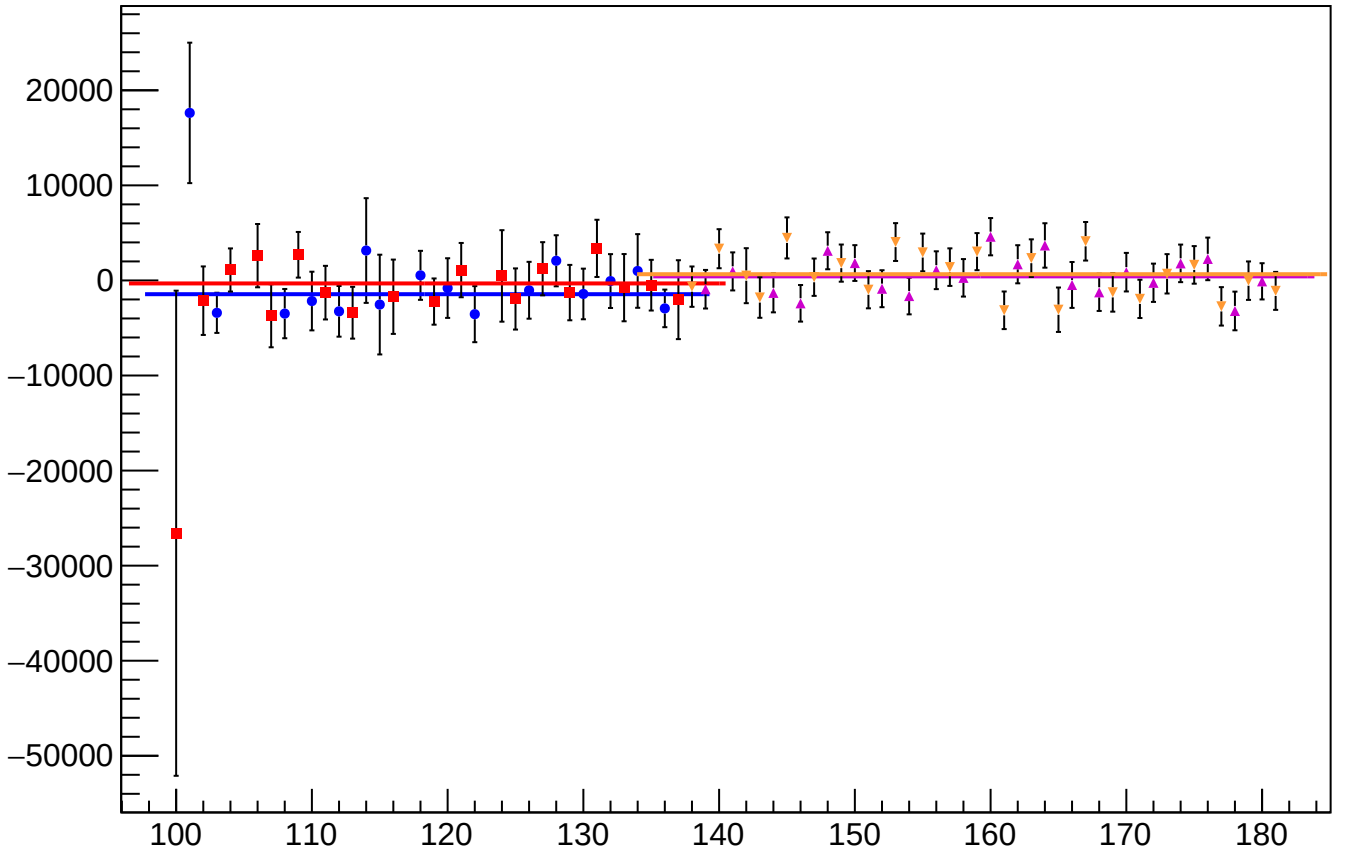
Right Out: 3264.110+/-0.924 χ^2/NDF: 1864241.4/18

Left In: 4117.874+/-0.718 χ^2/NDF:1354765.5/20

+ sign 3988.301+/-0.575 χ^2/NDF: 2390271.6/38

All: 3891.178+/-0.404 χ^2/NDF: 6197778.1/78

- sign 3796.693+/-0.567 χ^2/NDF: 3751182.8/39



Right In: -1446.933+/-723.140 χ^2/NDF: 13.5/15

Left Out: 654.702+/-427.291 χ^2/NDF:29.8/22

Right Out: -315.462+/-703.596 χ^2/NDF: 9.9/18

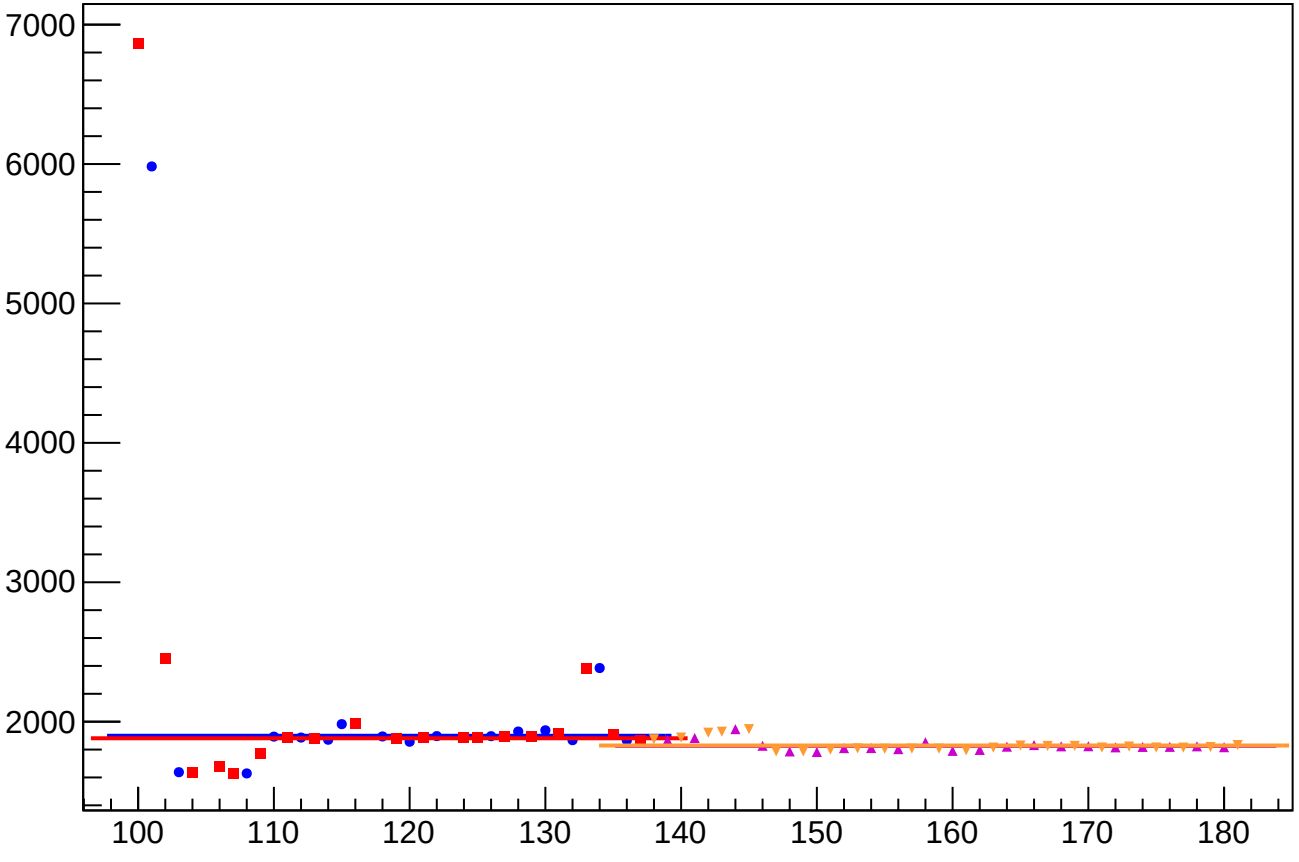
Left In: 427.165+/-439.580 χ^2/NDF:19.9/20

+ sign 110.823+/-367.871 χ^2/NDF: 49.6/38

All: 164.031+/-261.850 χ^2/NDF: 80.2/78

- sign 218.676+/-372.803 χ^2/NDF: 30.6/39

cor_asym_atr_dd_rms vs Slug



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.4/15

Left Out: 1829.045+/-0.302 χ^2/NDF:19171.1/22

Right Out: 1881.007+/-0.497 χ^2/NDF: 216564.4/18

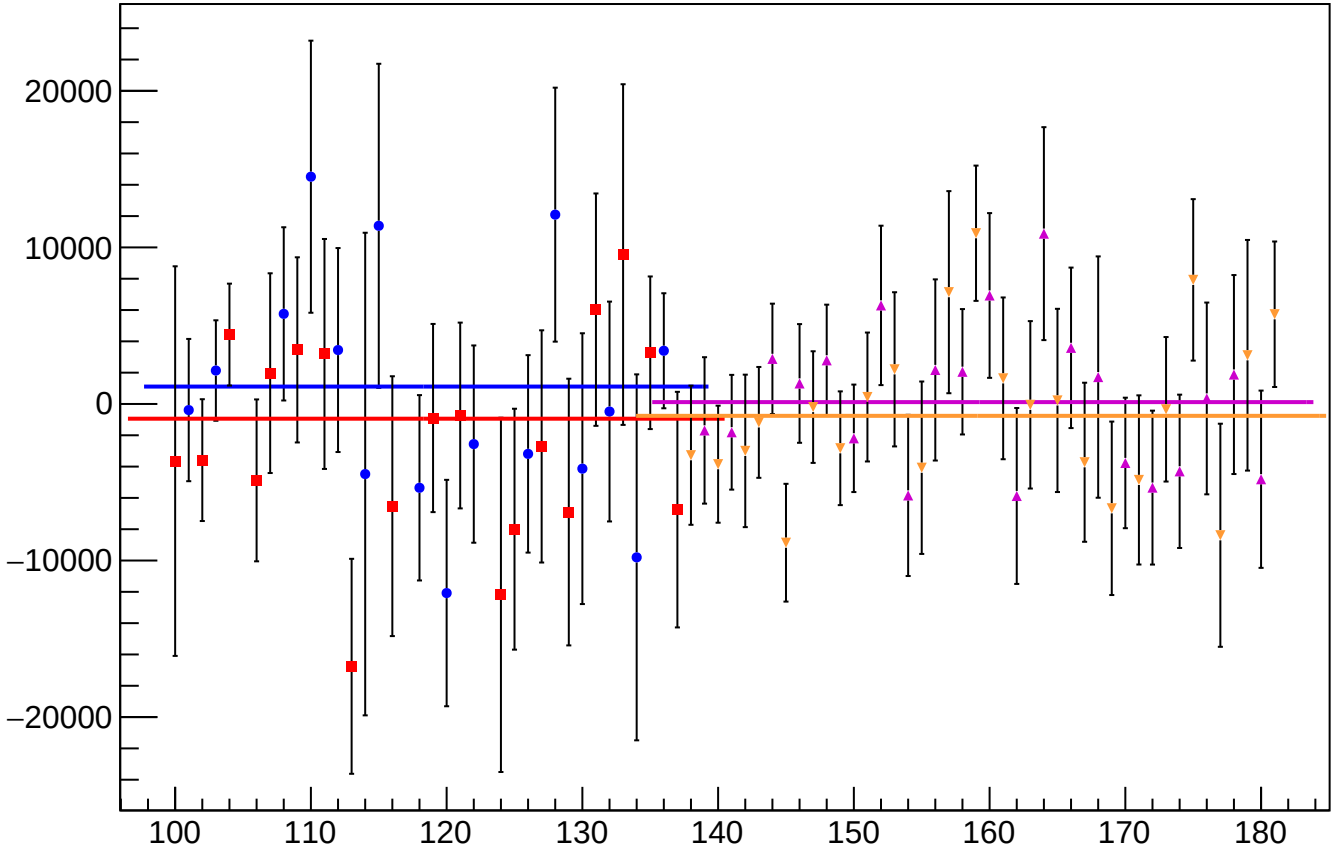
Left In: 1825.653+/-0.311 χ^2/NDF:13318.8/20

+ sign 1847.104+/-0.260 χ^2/NDF: 730489.2/38

All: 1844.204+/-0.185 χ^2/NDF: 969547.4/78

- sign 1841.228+/-0.263 χ^2/NDF: 238806.4/39

asym_atr_dd_cor_correction_mean vs Slug



Right In: 1111.533+/-1479.438 χ^2/NDF: 13.4/15

Left Out: -758.082+/-972.979 χ^2/NDF:24.3/22

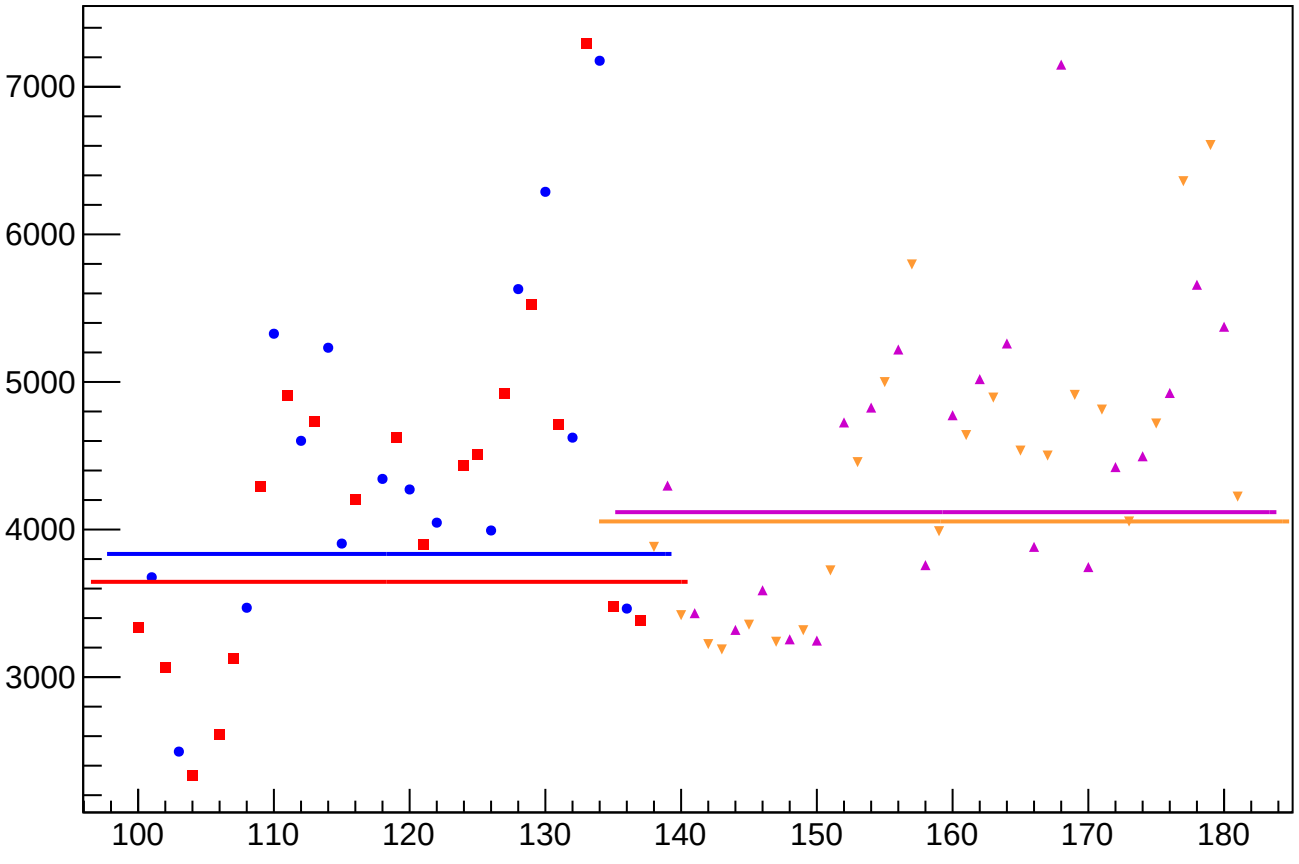
Right Out: -940.712+/-1398.993 χ^2/NDF: 16.2/18

Left In: 118.404+/-1015.150 χ^2/NDF:14.9/20

+ sign -193.584+/-812.928 χ^2/NDF: 38.8/38

All: -219.963+/-577.879 χ^2/NDF: 70.3/78

- sign -246.909+/-821.630 χ^2/NDF: 31.5/39



Right In: 3834.690+/-1.046 χ^2/NDF: 956312.2/15

Left Out: 4054.981+/-0.688 χ^2/NDF:1402381.0/22

Right Out: 3645.689+/-0.989 χ^2/NDF: 1124981.4/18

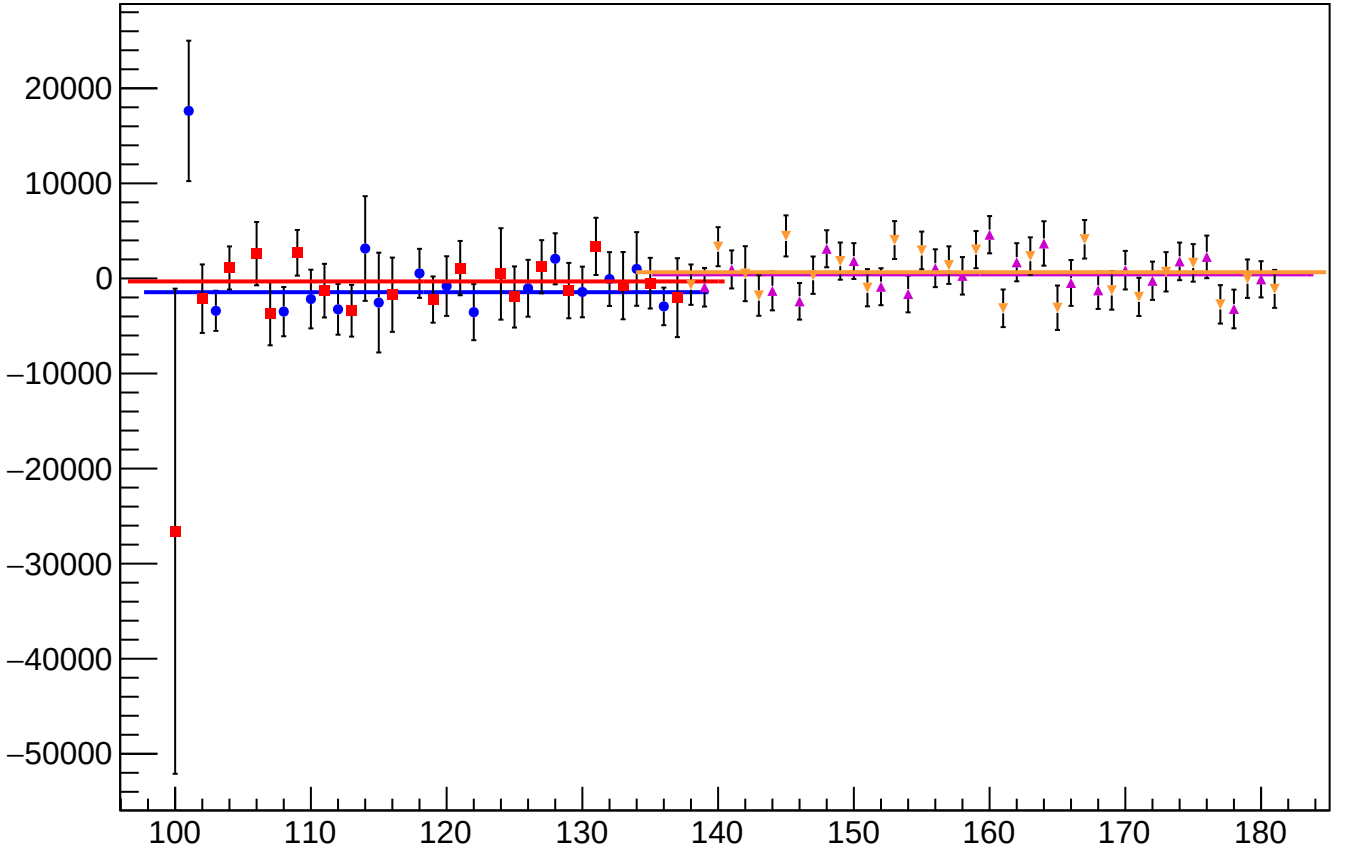
Left In: 4117.866+/-0.718 χ^2/NDF:1354774.4/20

+ sign 3988.468+/-0.575 χ^2/NDF: 2389648.1/38

All: 3971.913+/-0.409 χ^2/NDF: 5020326.0/78

- sign 3955.001+/-0.581 χ^2/NDF: 2629001.1/39

eigen_cor_asym_atr_dd_mean vs Slug



Right In: -1446.933+/-723.140 χ^2/NDF: 13.5/15

Left Out: 654.702+/-427.291 χ^2/NDF:29.8/22

Right Out: -315.462+/-703.596 χ^2/NDF: 9.9/18

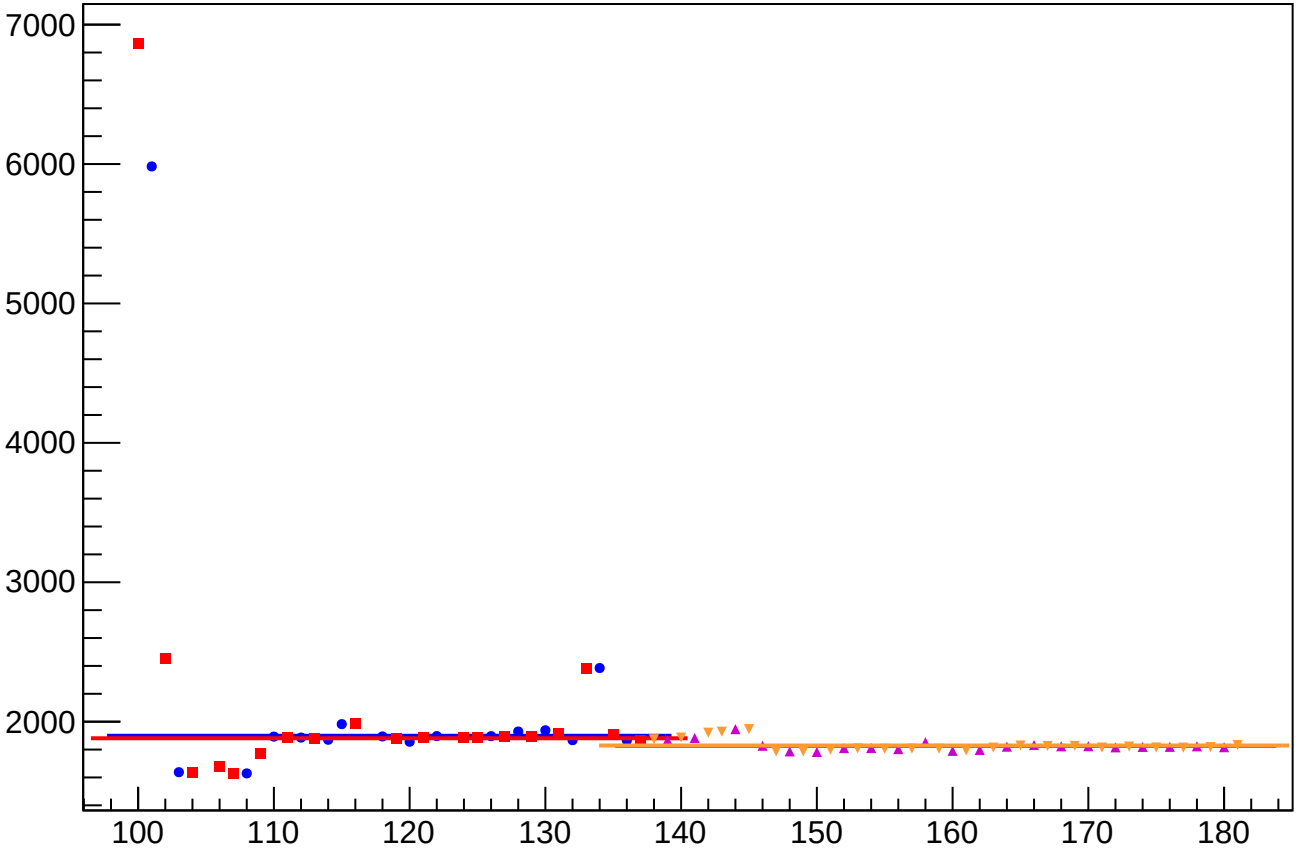
Left In: 427.165+/-439.580 χ^2/NDF:19.9/20

+ sign 110.823+/-367.871 χ^2/NDF: 49.6/38

All: 164.031+/-261.850 χ^2/NDF: 80.2/78

- sign 218.676+/-372.803 χ^2/NDF: 30.6/39

eigen_cor_asym_atr_dd_rms vs Slug



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.4/15

Left Out: 1829.045+/-0.302 χ^2/NDF:19171.1/22

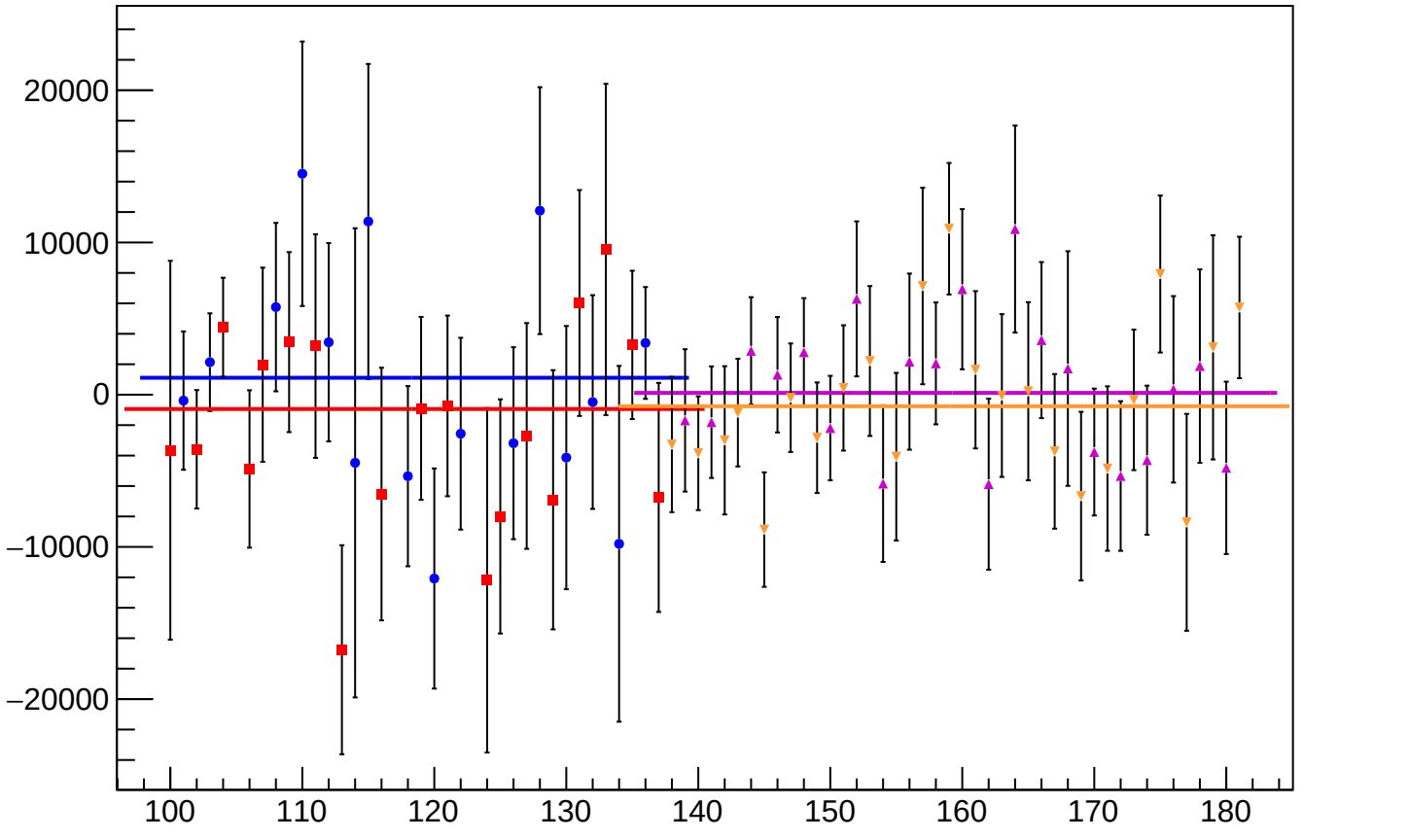
Right Out: 1881.007+/-0.497 χ^2/NDF: 216564.4/18

Left In: 1825.653+/-0.311 χ^2/NDF:13318.8/20

+ sign 1847.104+/-0.260 χ^2/NDF: 730489.2/38

All: 1844.204+/-0.185 χ^2/NDF: 969547.4/78

- sign 1841.228+/-0.263 χ^2/NDF: 238806.4/39



Right In: 1111.533+/-1479.438 χ^2/NDF: 13.4/15

Left Out: -758.082+/-972.979 χ^2/NDF:24.3/22

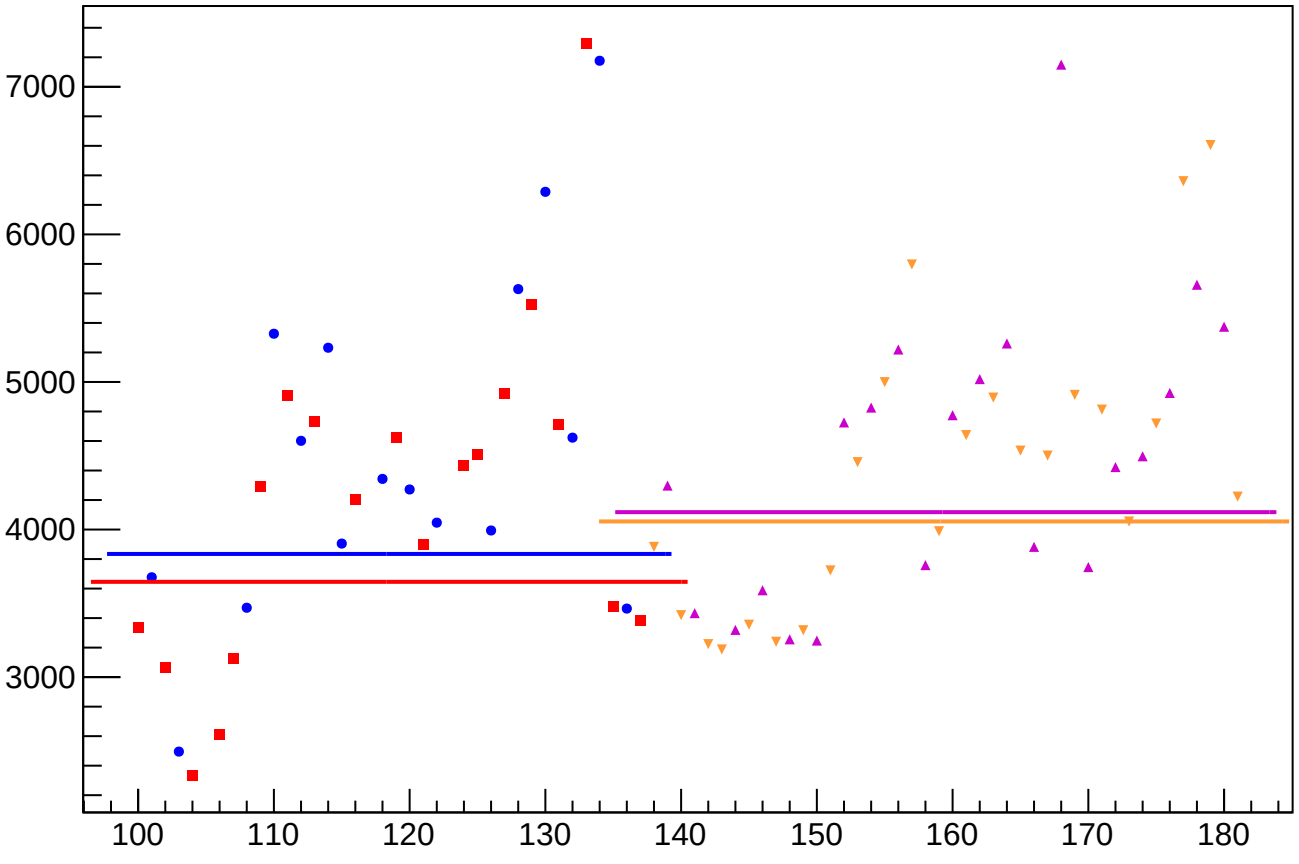
Right Out: -940.712+/-1398.993 χ^2/NDF: 16.2/18

Left In: 118.404+/-1015.150 χ^2/NDF:14.9/20

+ sign -193.584+/-812.928 χ^2/NDF: 38.8/38

All: -219.963+/-577.879 χ^2/NDF: 70.3/78

- sign -246.909+/-821.630 χ^2/NDF: 31.5/39



Right In: 3834.690+/-1.046 χ^2/NDF: 956312.2/15

Left Out: 4054.981+/-0.688 χ^2/NDF:1402381.0/22

Right Out: 3645.689+/-0.989 χ^2/NDF: 1124981.4/18

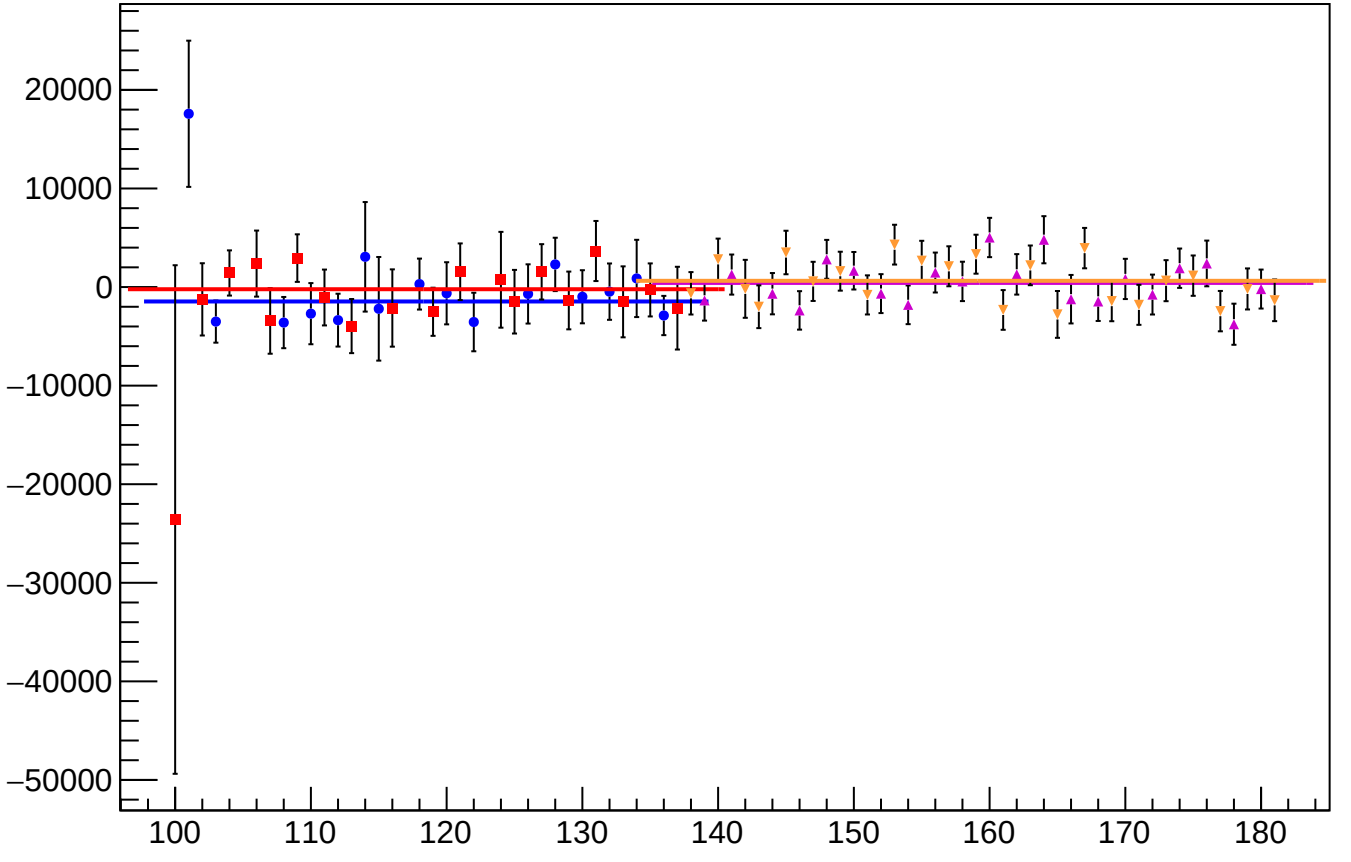
Left In: 4117.866+/-0.718 χ^2/NDF:1354774.4/20

+ sign 3988.468+/-0.575 χ^2/NDF: 2389648.1/38

All: 3971.913+/-0.409 χ^2/NDF: 5020326.0/78

- sign 3955.001+/-0.581 χ^2/NDF: 2629001.1/39

dit_asym_atr_dd_mean vs Slug



Right In: -1462.640+/-728.274 χ^2/NDF: 13.6/15

Left Out: 632.608+/-435.035 χ^2/NDF:25.4/22

Right Out: -219.726+/-708.852 χ^2/NDF: 10.8/18

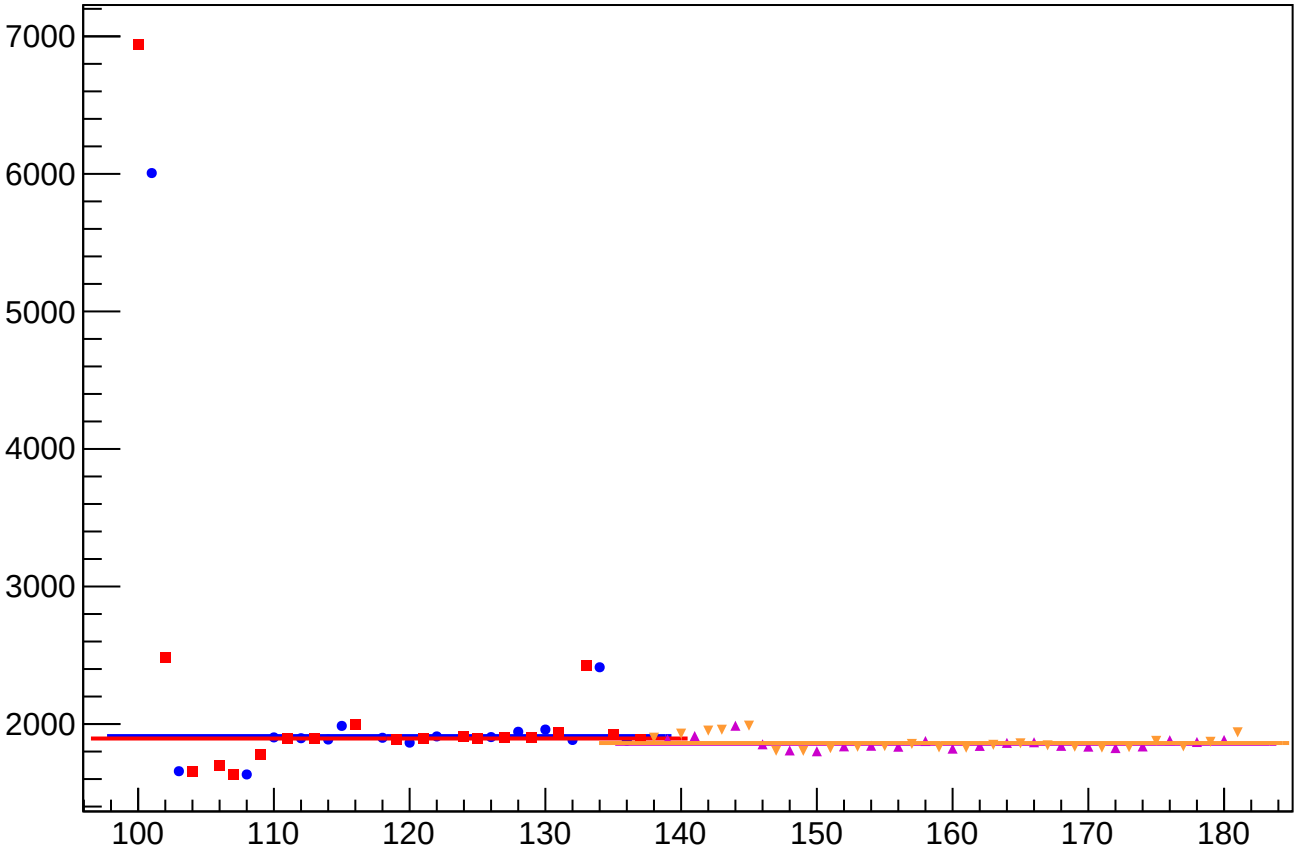
Left In: 421.009+/-446.998 χ^2/NDF:23.0/20

+ sign 81.586+/-373.475 χ^2/NDF: 45.1/38

All: 159.182+/-265.707 χ^2/NDF: 79.6/78

- sign 238.711+/-378.100 χ^2/NDF: 34.4/39

dit_asym_atr_dd_rms vs Slug



Right In: 1912.378+/-0.515 χ^2/NDF: 696220.3/15

Left Out: 1861.877+/-0.308 χ^2/NDF:25552.3/22

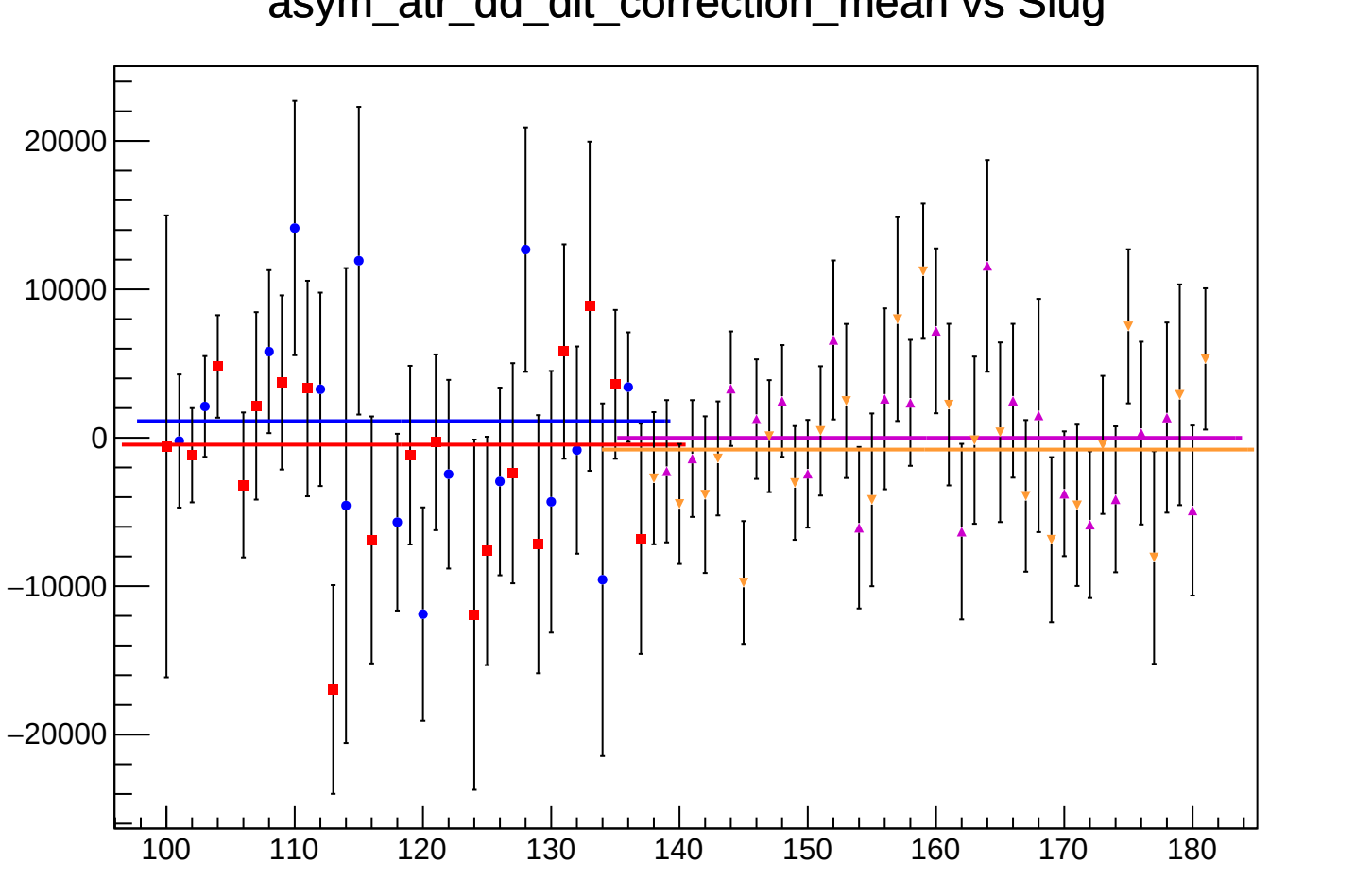
Right Out: 1894.765+/-0.501 χ^2/NDF: 219781.5/18

Left In: 1856.265+/-0.316 χ^2/NDF:15901.1/20

+ sign 1875.158+/-0.264 χ^2/NDF: 728860.4/38

All: 1871.245+/-0.188 χ^2/NDF: 969215.2/78

- sign 1867.236+/-0.267 χ^2/NDF: 239910.2/39



Right In: 1120.173+/-1497.671 χ^2/NDF: 13.5/15

Left Out: -795.884+/-1019.089 χ^2/NDF:23.8/22

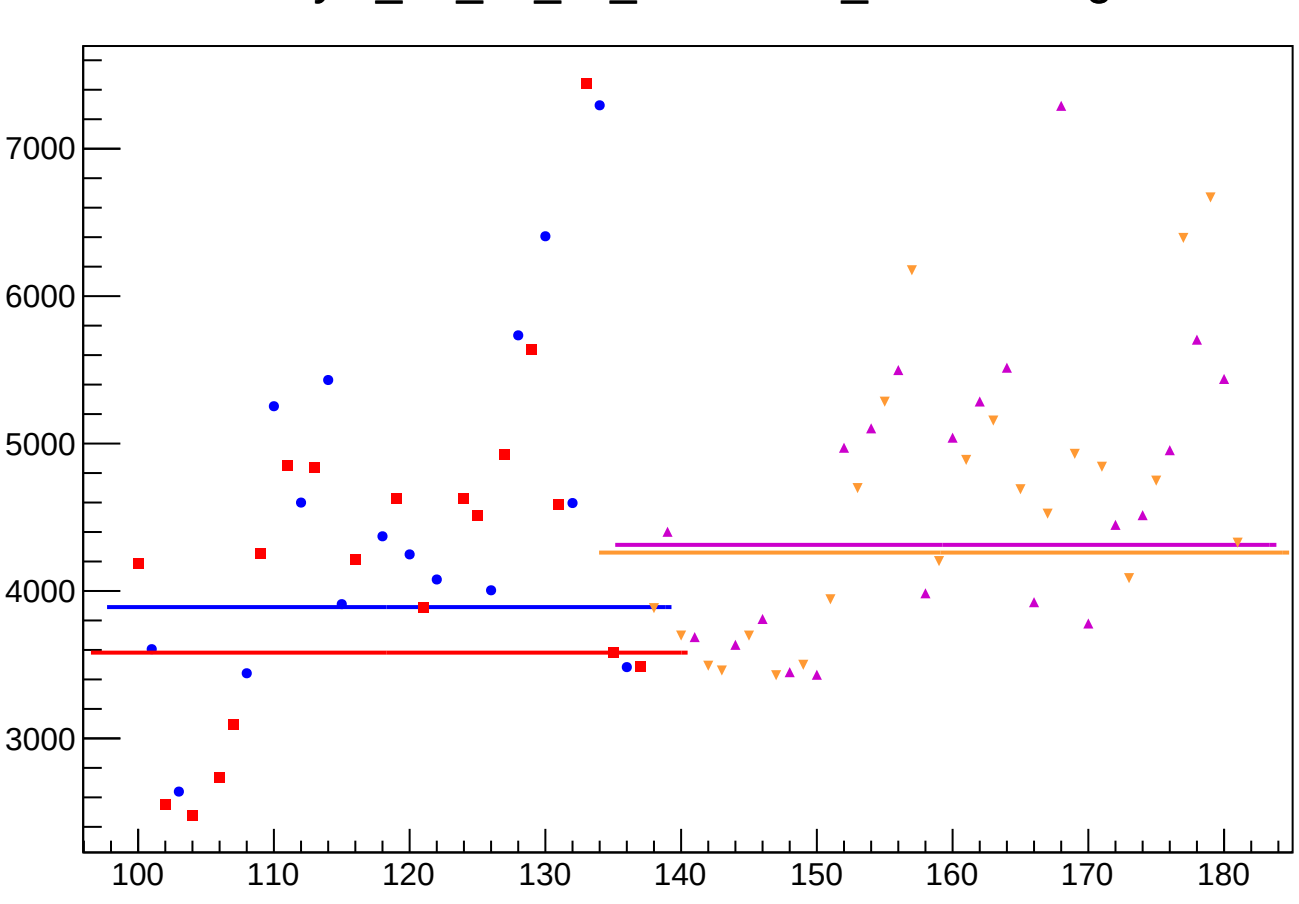
Right Out: -464.368+/-1370.818 χ^2/NDF: 15.0/18

Left In: -7.289+/-1060.850 χ^2/NDF:14.7/20

+ sign -189.494+/-842.535 χ^2/NDF: 38.3/38

All: -183.971+/-594.497 χ^2/NDF: 68.2/78

- sign -178.496+/-838.966 χ^2/NDF: 29.8/39



Right In: 3890.708+/-1.059 χ^2/NDF: 878418.2/15

Left Out: 4260.514+/-0.721 χ^2/NDF:1190544.9/22

Right Out: 3581.780+/-0.969 χ^2/NDF: 1221855.2/18

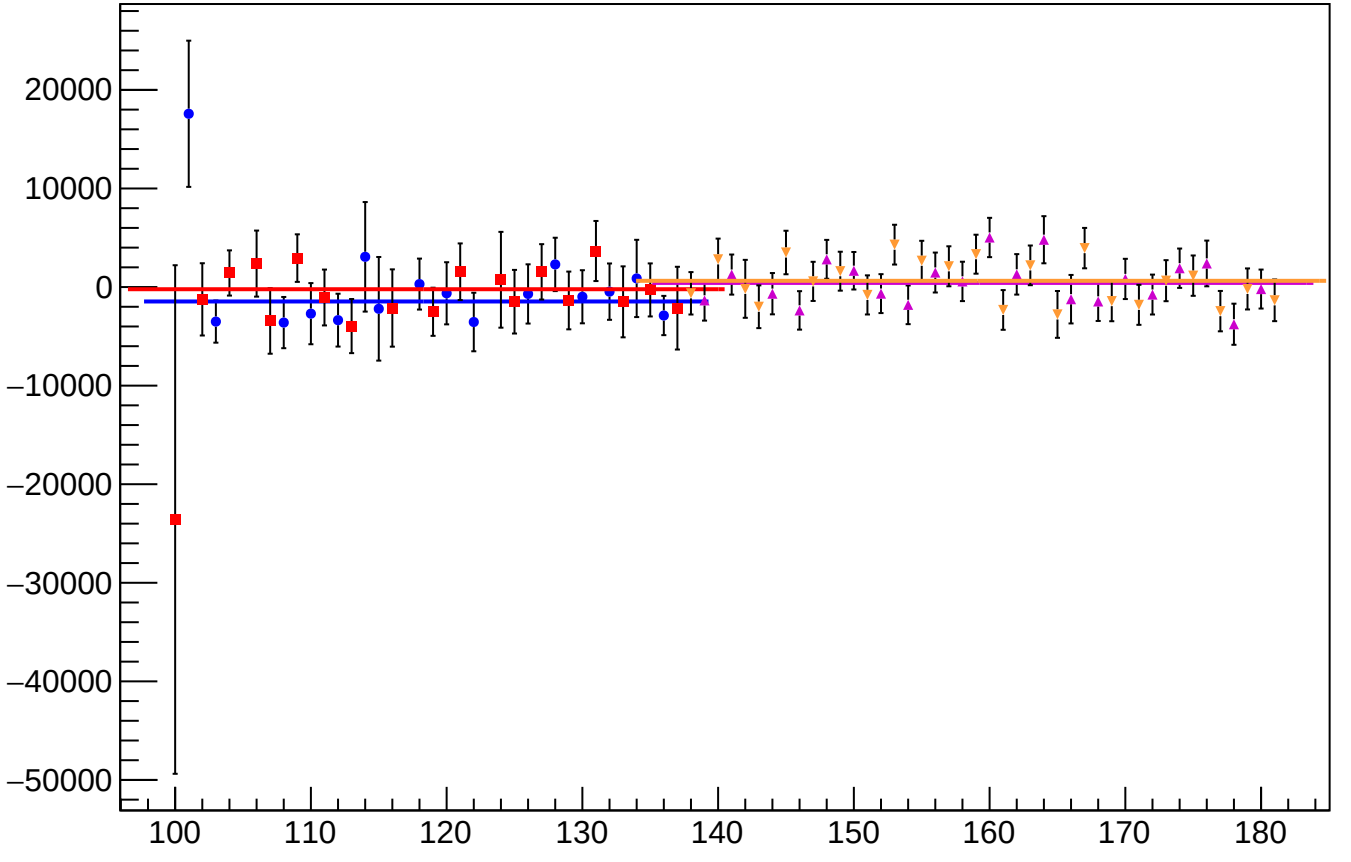
Left In: 4312.862+/-0.750 χ^2/NDF:1201339.5/20

+ sign 4143.478+/-0.596 χ^2/NDF: 2152311.4/38

All: 4091.029+/-0.420 χ^2/NDF: 4946723.2/78

- sign 4039.023+/-0.593 χ^2/NDF: 2778976.3/39

eigen_dit_asym_atr_dd_mean vs Slug



Right In: -1462.646+/-728.274 χ^2/NDF: 13.6/15

Left Out: 632.613+/-435.035 χ^2/NDF:25.4/22

Right Out: -219.720+/-708.852 χ^2/NDF: 10.8/18

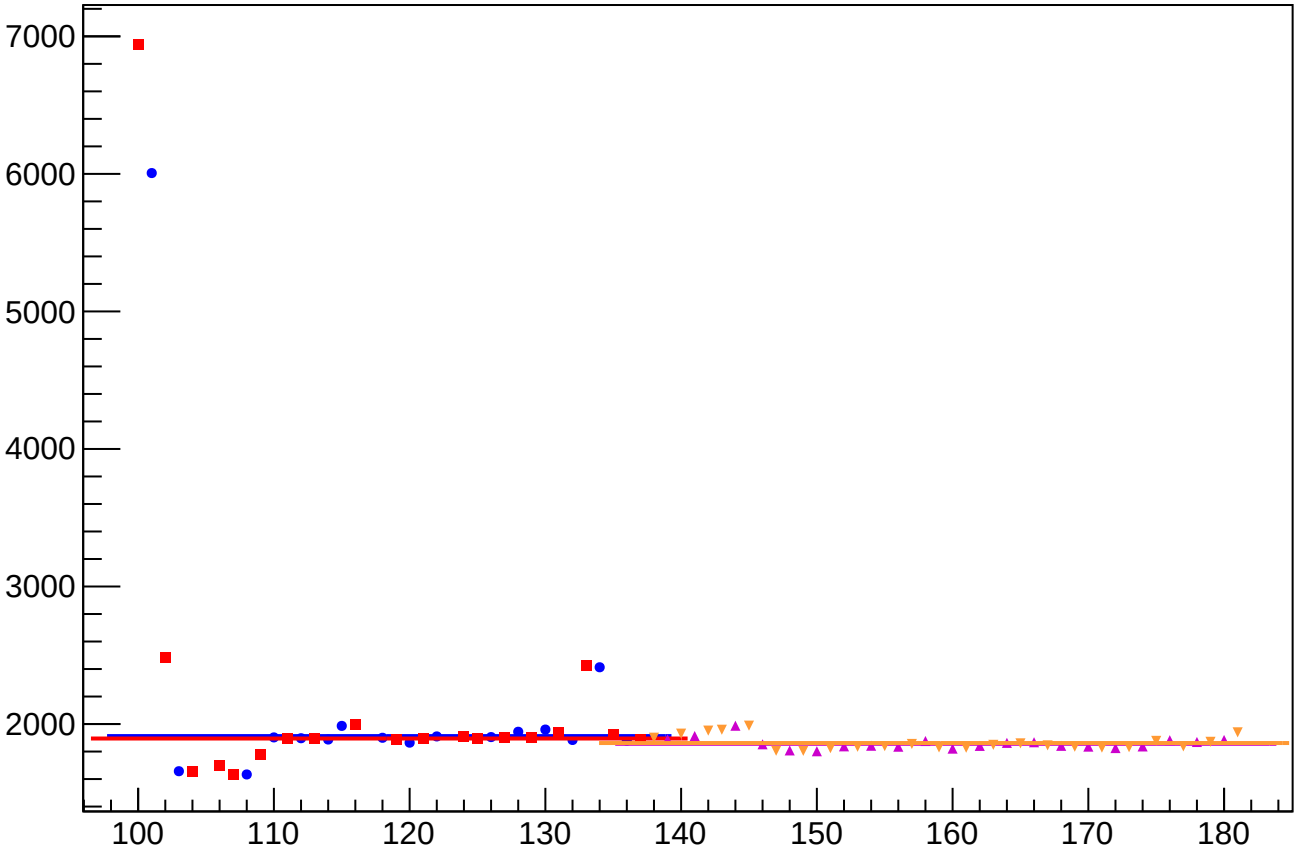
Left In: 421.009+/-446.998 χ^2/NDF:23.0/20

+ sign 81.588+/-373.475 χ^2/NDF: 45.1/38

All: 159.184+/-265.707 χ^2/NDF: 79.6/78

- sign 238.713+/-378.100 χ^2/NDF: 34.4/39

eigen_dit_asym_atr_dd_rms vs Slug



Right In: 1912.378+/-0.515 χ^2/NDF: 696220.1/15

Left Out: 1861.878+/-0.308 χ^2/NDF:25552.3/22

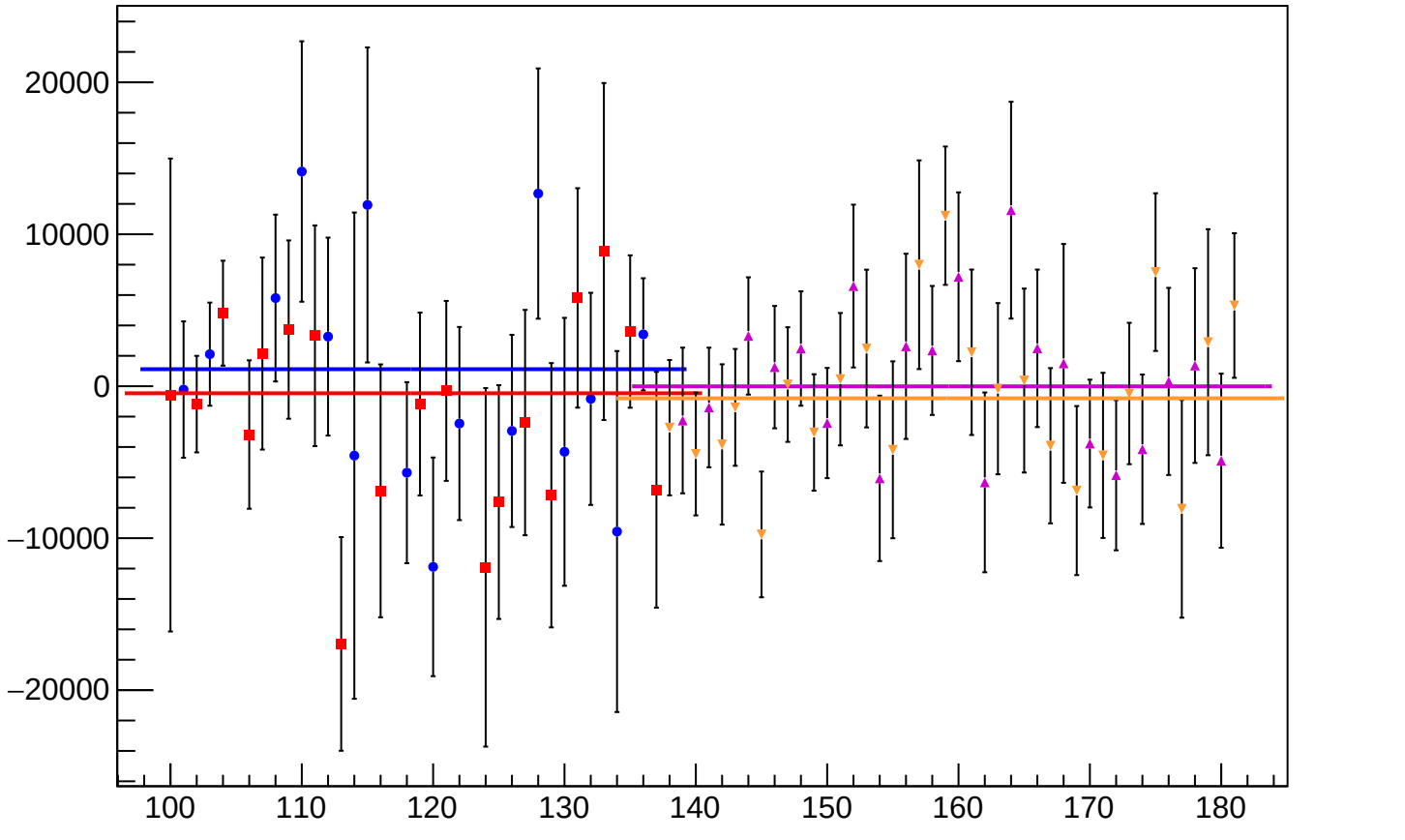
Right Out: 1894.765+/-0.501 χ^2/NDF: 219781.5/18

Left In: 1856.266+/-0.316 χ^2/NDF:15901.0/20

\+ sign 1875.159+/-0.264 χ^2/NDF: 728860.1/38

All: 1871.245+/-0.188 χ^2/NDF: 969214.6/78

\- sign 1867.236+/-0.267 χ^2/NDF: 239909.9/39



Right In: 1120.159+/-1497.669 χ^2/NDF: 13.5/15

Left Out: -795.883+/-1019.090 χ^2/NDF:23.8/22

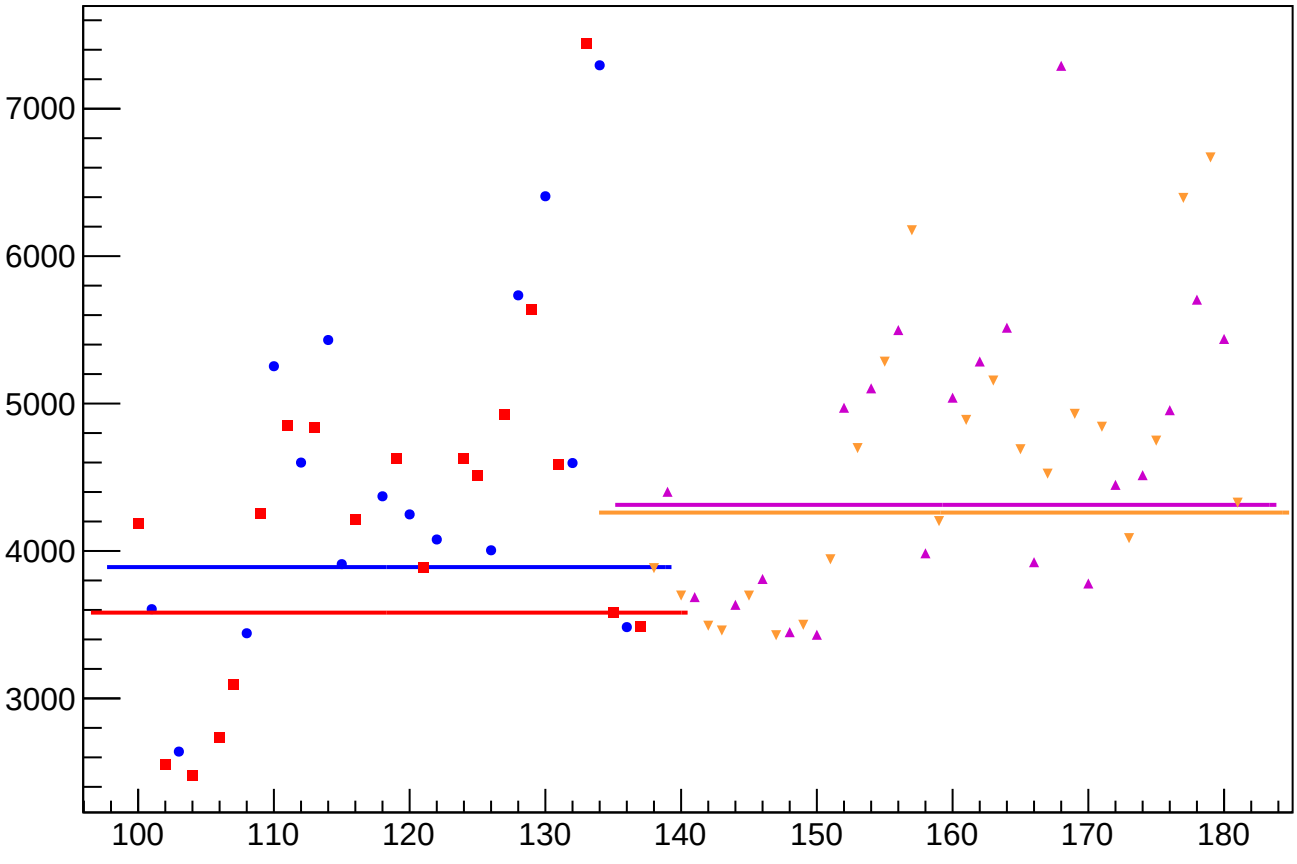
Right Out: -464.367+/-1370.817 χ^2/NDF: 15.0/18

Left In: -7.290+/-1060.852 χ^2/NDF:14.7/20

+ sign -189.495+/-842.536 χ^2/NDF: 38.3/38

All: -183.973+/-594.497 χ^2/NDF: 68.2/78

- sign -178.497+/-838.967 χ^2/NDF: 29.8/39



Right In: 3890.705+/-1.059 χ^2/NDF: 878409.2/15

Left Out: 4260.520+/-0.721 χ^2/NDF:1190547.7/22

Right Out: 3581.777+/-0.969 χ^2/NDF: 1221846.6/18

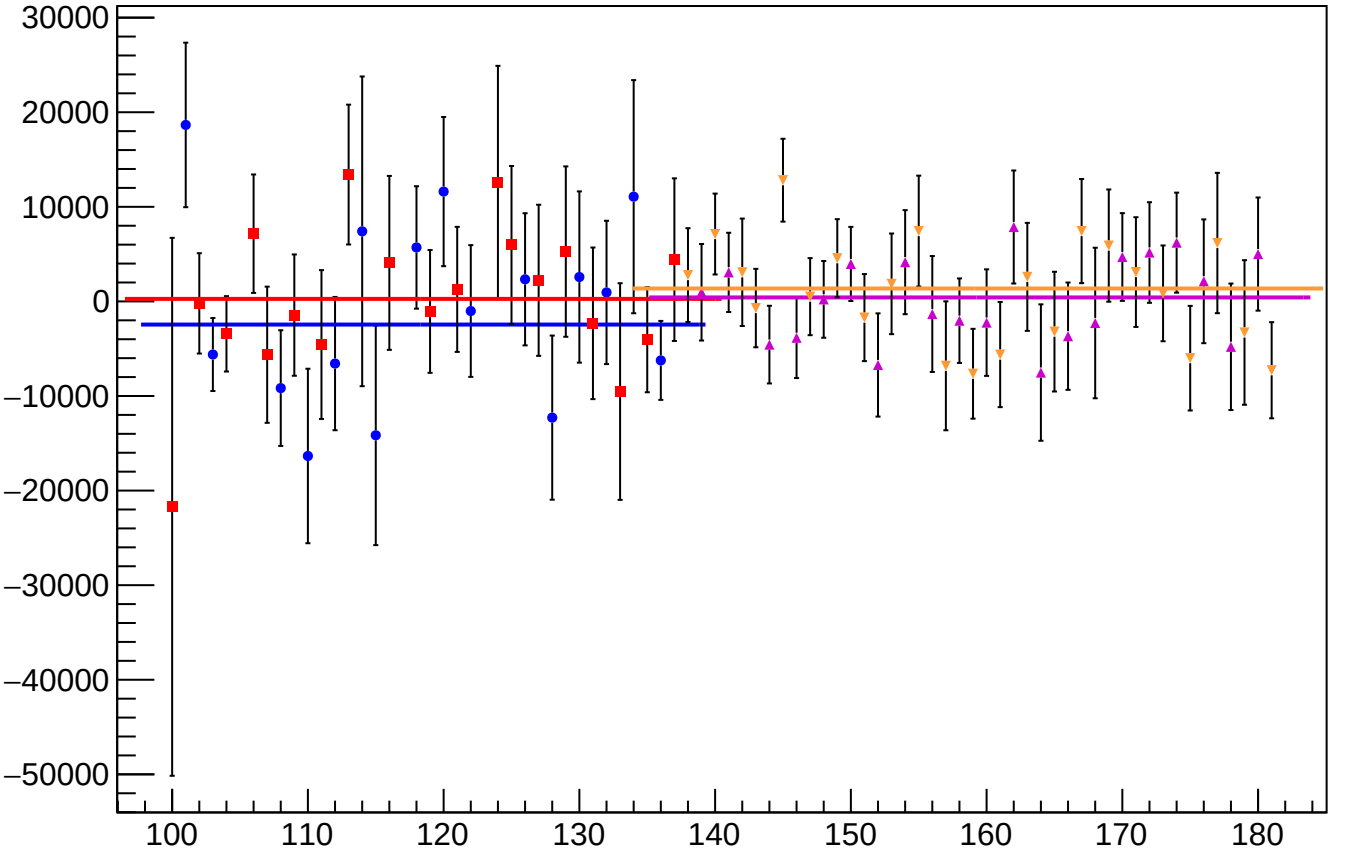
Left In: 4312.869+/-0.750 χ^2/NDF:1201345.1/20

+ sign 4143.482+/-0.596 χ^2/NDF: 2152309.5/38

All: 4091.032+/-0.420 χ^2/NDF: 4946728.2/78

- sign 4039.025+/-0.593 χ^2/NDF: 2778982.7/39

asym_atr_dd_mean vs Slug



Right In: -2448.262+/-1719.694 χ^2/NDF: 20.9/15

Left Out: 1367.319+/-1079.557 χ^2/NDF:25.8/22

Right Out: 265.886+/-1622.574 χ^2/NDF: 10.7/18

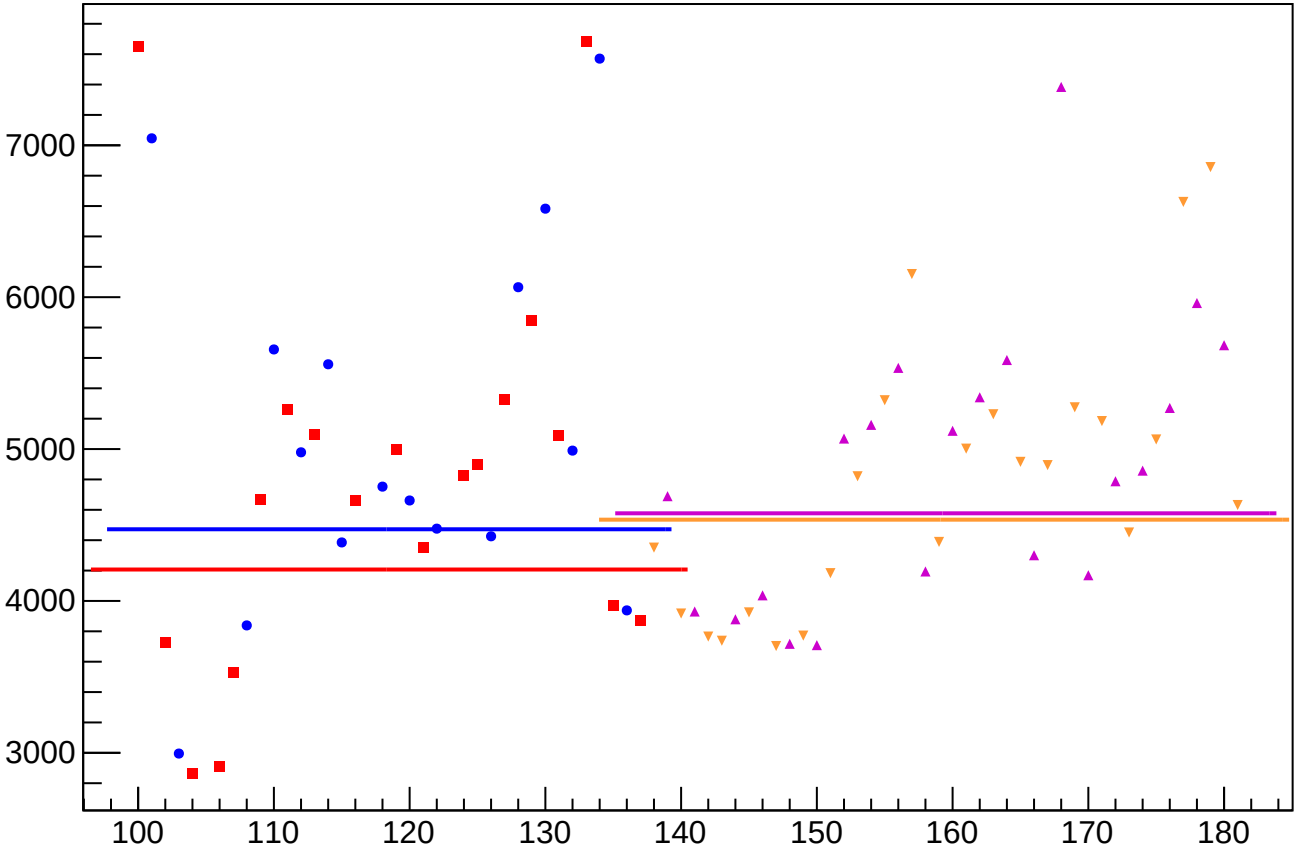
Left In: 419.672+/-1120.769 χ^2/NDF:14.0/20

+ sign 288.718+/-914.326 χ^2/NDF: 50.2/38

All: 329.012+/-649.280 χ^2/NDF: 74.9/78

- sign 369.999+/-922.166 χ^2/NDF: 24.7/39

asym_atr_dd_rms vs Slug



Right In: 4471.904+/-1.216 χ^2/NDF: 891678.4/15

Left Out: 4535.095+/-0.763 χ^2/NDF:992636.1/22

Right Out: 4206.907+/-1.138 χ^2/NDF: 846525.2/18

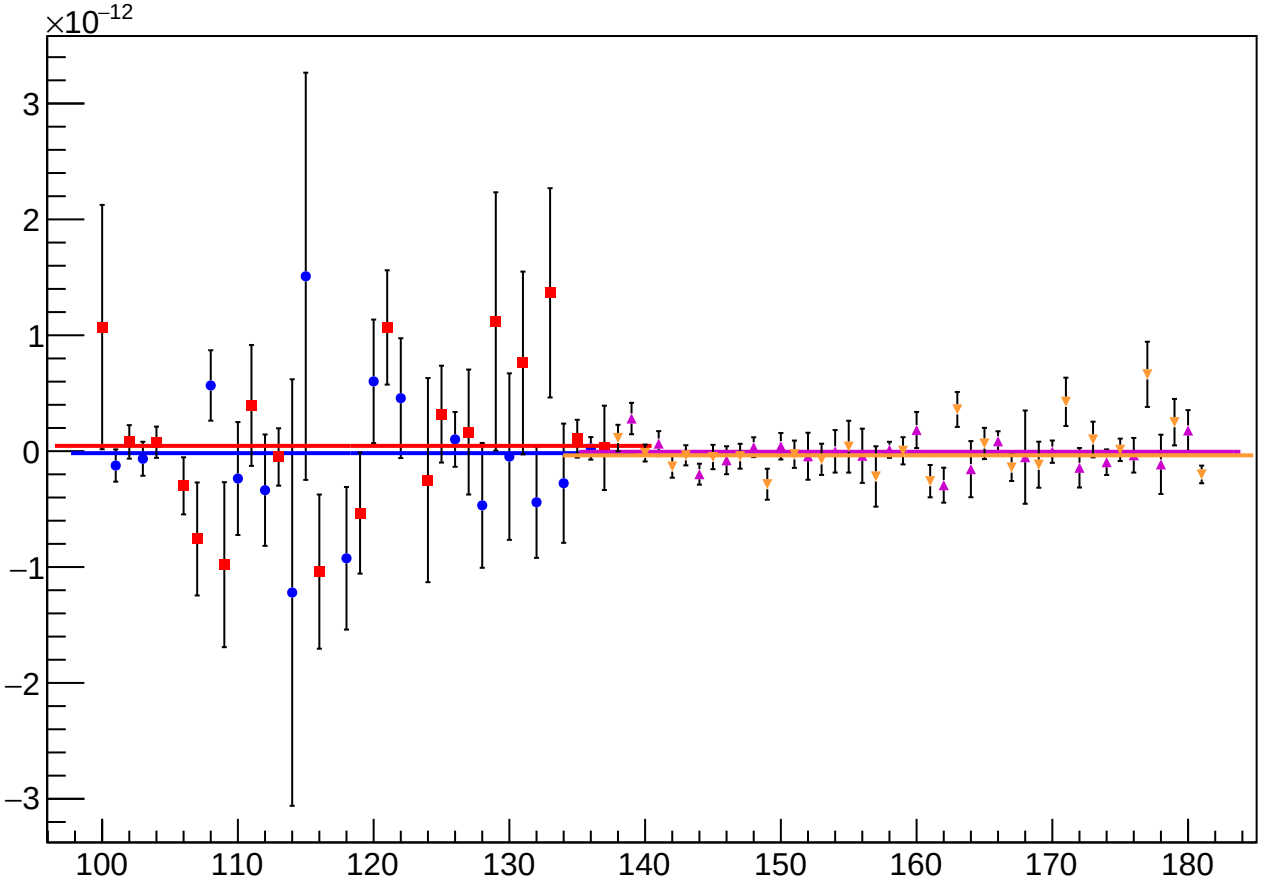
Left In: 4577.035+/-0.793 χ^2/NDF:973773.2/20

+ sign 4517.232+/-0.647 χ^2/NDF: 1886251.6/38

All: 4486.872+/-0.459 χ^2/NDF: 3782225.0/78

- sign 4456.152+/-0.650 χ^2/NDF: 1891536.9/39

asym_atr_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 12.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:36.9/22

Right Out: 0.000+/-0.000 χ^2/NDF: 21.2/18

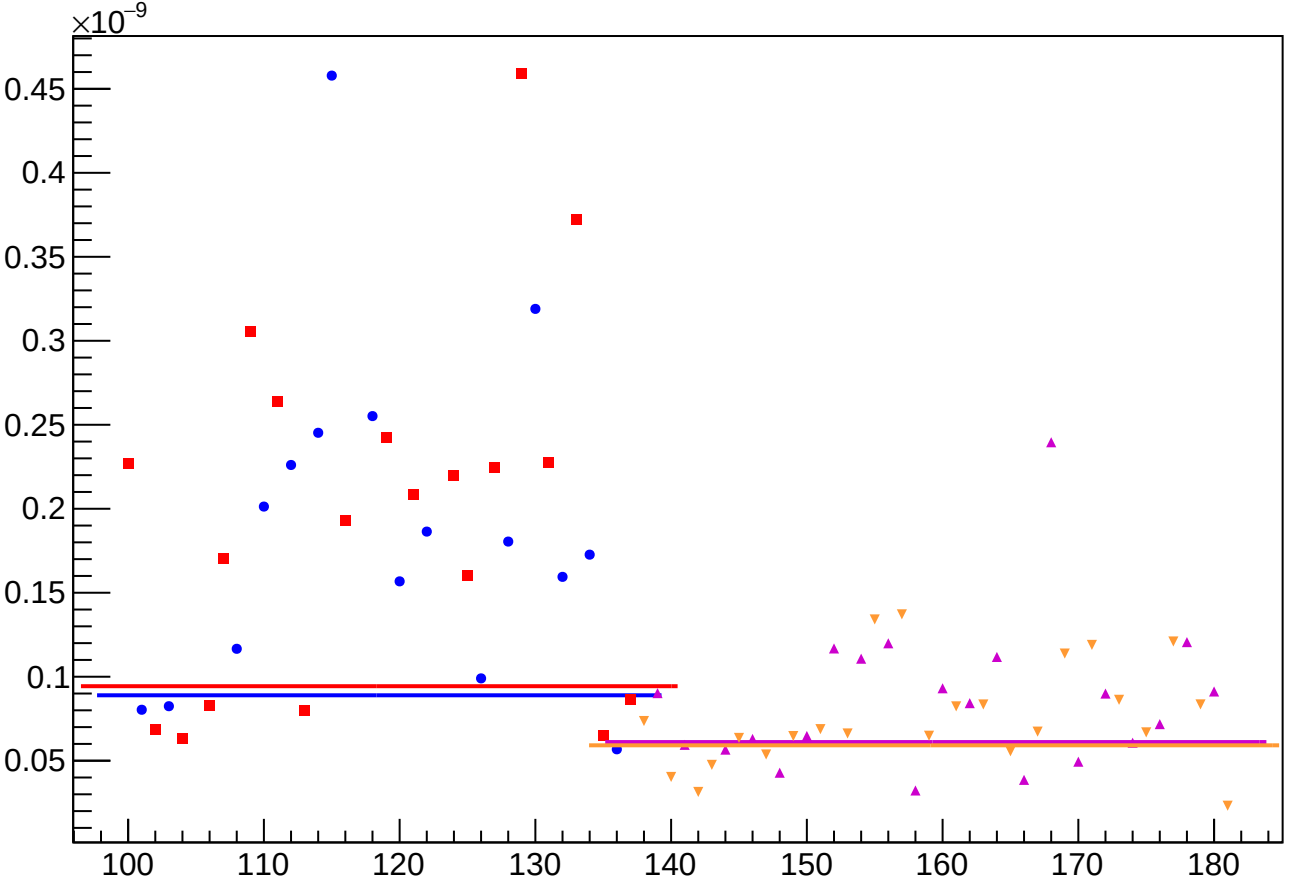
Left In: -0.000+/-0.000 χ^2/NDF:19.6/20

+ sign -0.000+/-0.000 χ^2/NDF: 49.8/38

All: -0.000+/-0.000 χ^2/NDF: 92.1/78

- sign 0.000+/-0.000 χ^2/NDF: 41.3/39

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:1887001.0/22

Right Out: 0.000+/-0.000 χ^2/NDF: 1695078.0/18

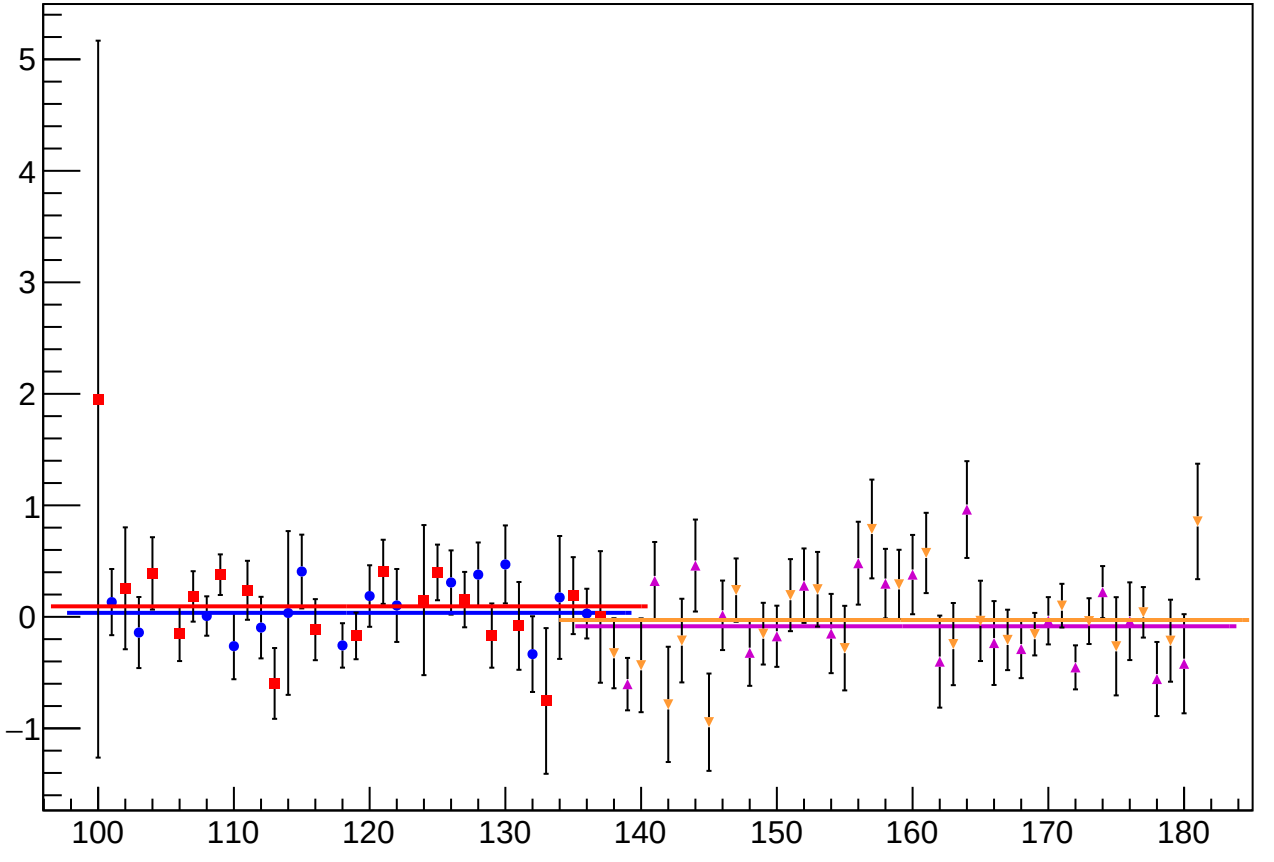
Left In: 0.000+/-0.000 χ^2/NDF:1977349.5/20

+ sign 0.000+/-0.000 χ^2/NDF: 3520260.1/38

All: 0.000+/-0.000 χ^2/NDF: 7613843.1/78

- sign 0.000+/-0.000 χ^2/NDF: 4085352.0/39

asym_atr_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.028+/-0.064 χ^2/NDF:23.8/22

Right Out: 0.094+/-0.068 χ^2/NDF: 17.6/18

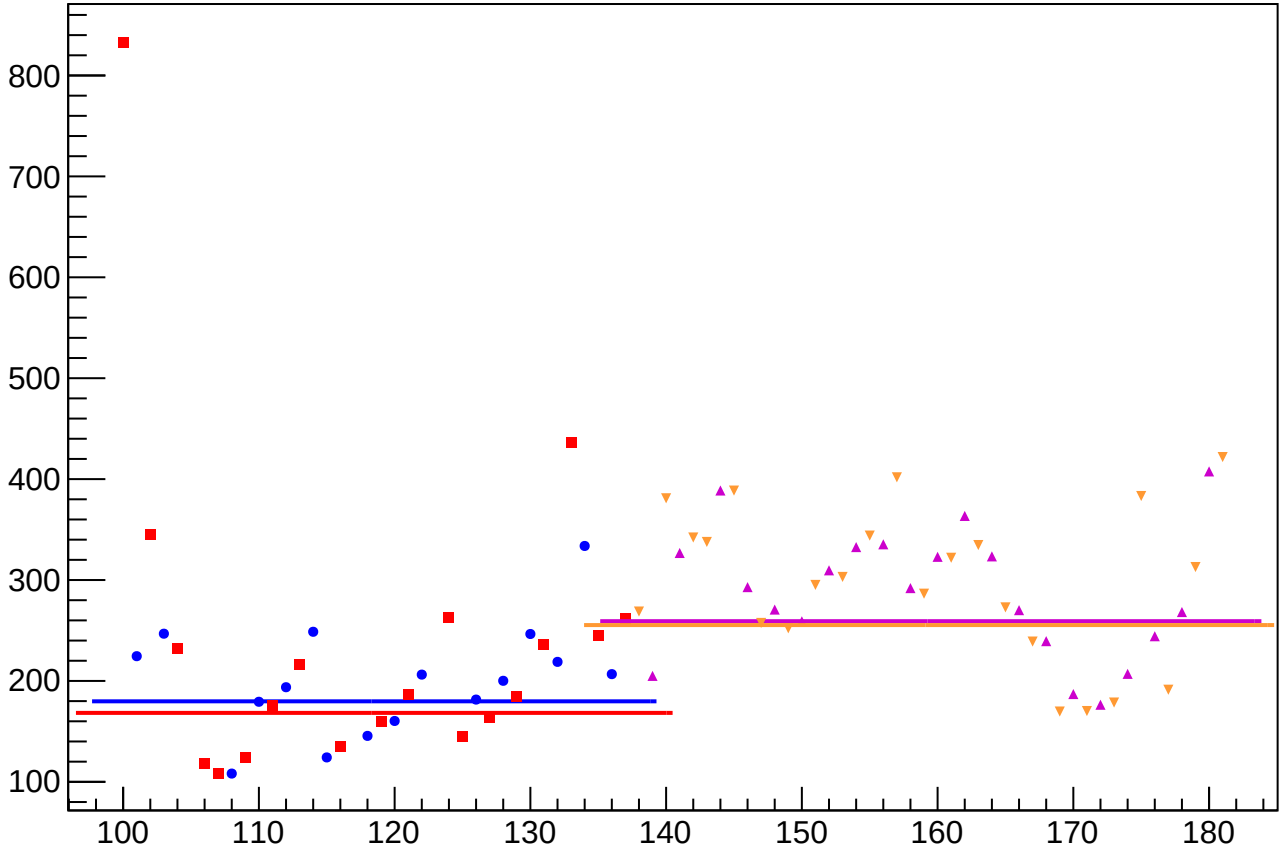
Left In: -0.085+/-0.066 χ^2/NDF:30.6/20

+ sign 0.000+/-0.047 χ^2/NDF: 34.8/38

All: 0.001+/-0.033 χ^2/NDF: 86.6/78

- sign 0.002+/-0.047 χ^2/NDF: 51.8/39

asym_atr_dd_dit_vs_cor_diff_rms vs Slug



Right In: 179.796+/-0.050 χ^2/NDF: 918536.0/15

Left Out: 255.357+/-0.045 χ^2/NDF:2760948.6/22

Right Out: 168.334+/-0.048 χ^2/NDF: 1409290.2/18

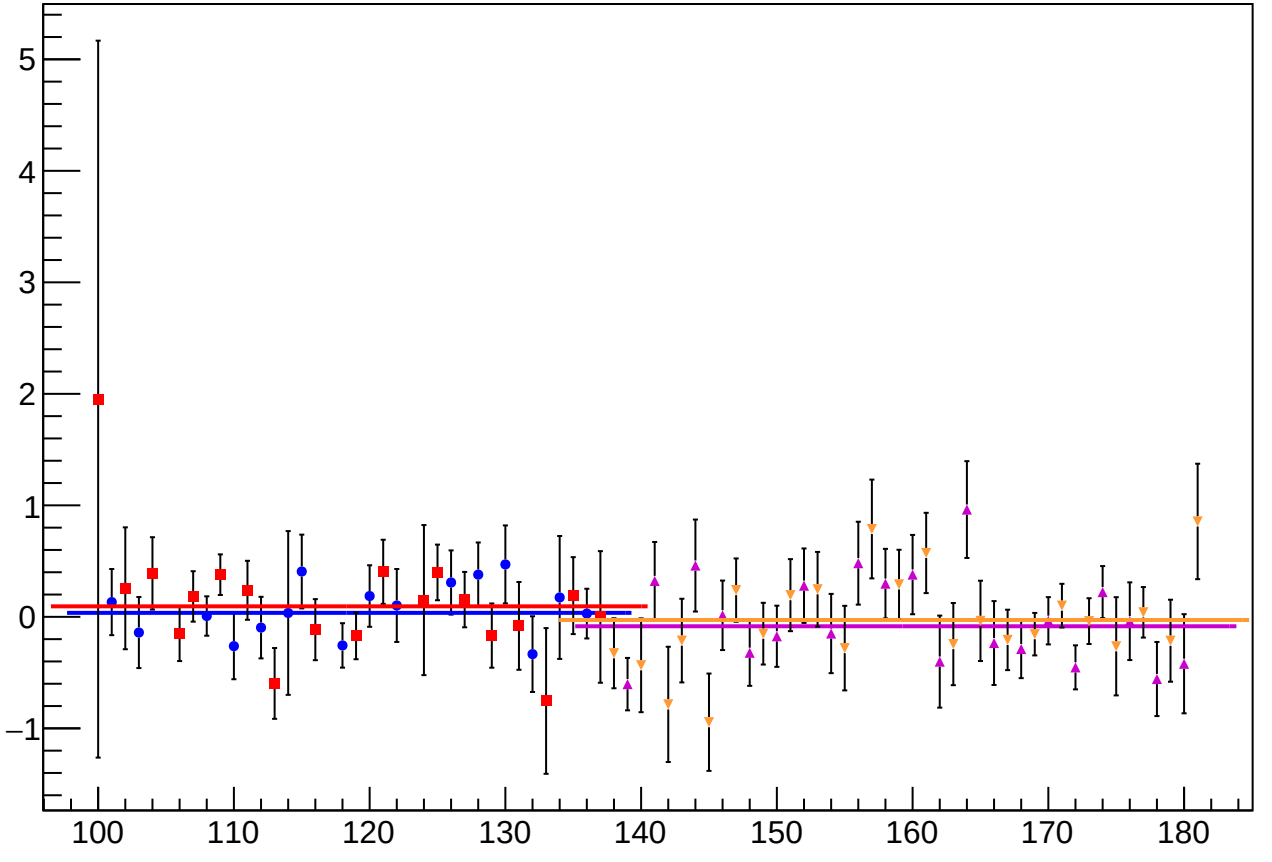
Left In: 259.218+/-0.047 χ^2/NDF:1802520.2/20

+ sign 221.540+/-0.033 χ^2/NDF: 4945887.0/38

All: 218.276+/-0.024 χ^2/NDF: 10031869.5/78

- sign 215.019+/-0.033 χ^2/NDF: 5066884.6/39

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: -0.028+/-0.064 χ^2/NDF:23.8/22

Right Out: 0.094+/-0.068 χ^2/NDF: 17.6/18

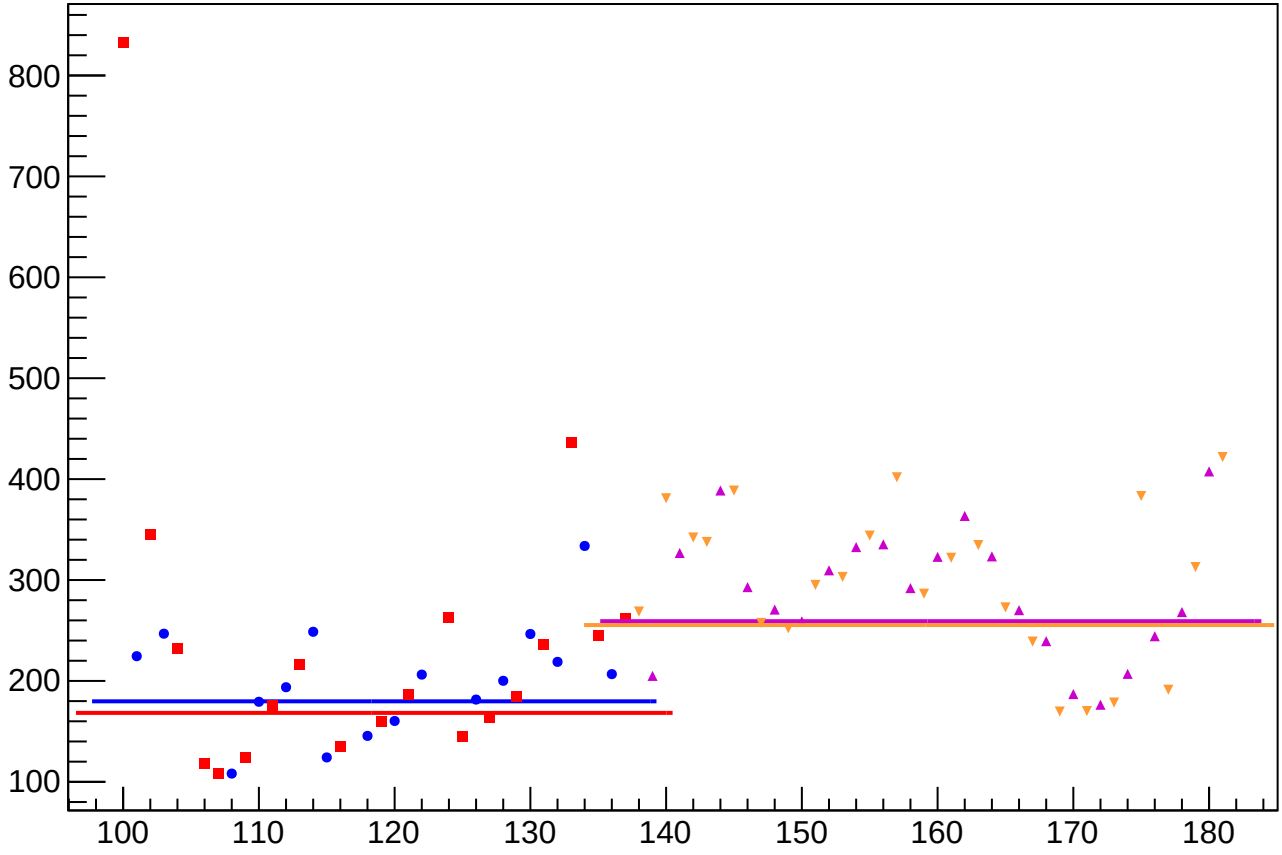
Left In: -0.085+/-0.066 χ^2/NDF:30.6/20

+ sign 0.000+/-0.047 χ^2/NDF: 34.8/38

All: 0.001+/-0.033 χ^2/NDF: 86.6/78

- sign 0.002+/-0.047 χ^2/NDF: 51.8/39

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: 255.357+/-0.045 χ^2/NDF:2760948.6/22

Right Out: 168.334+/-0.048 χ^2/NDF: 1409290.2/18

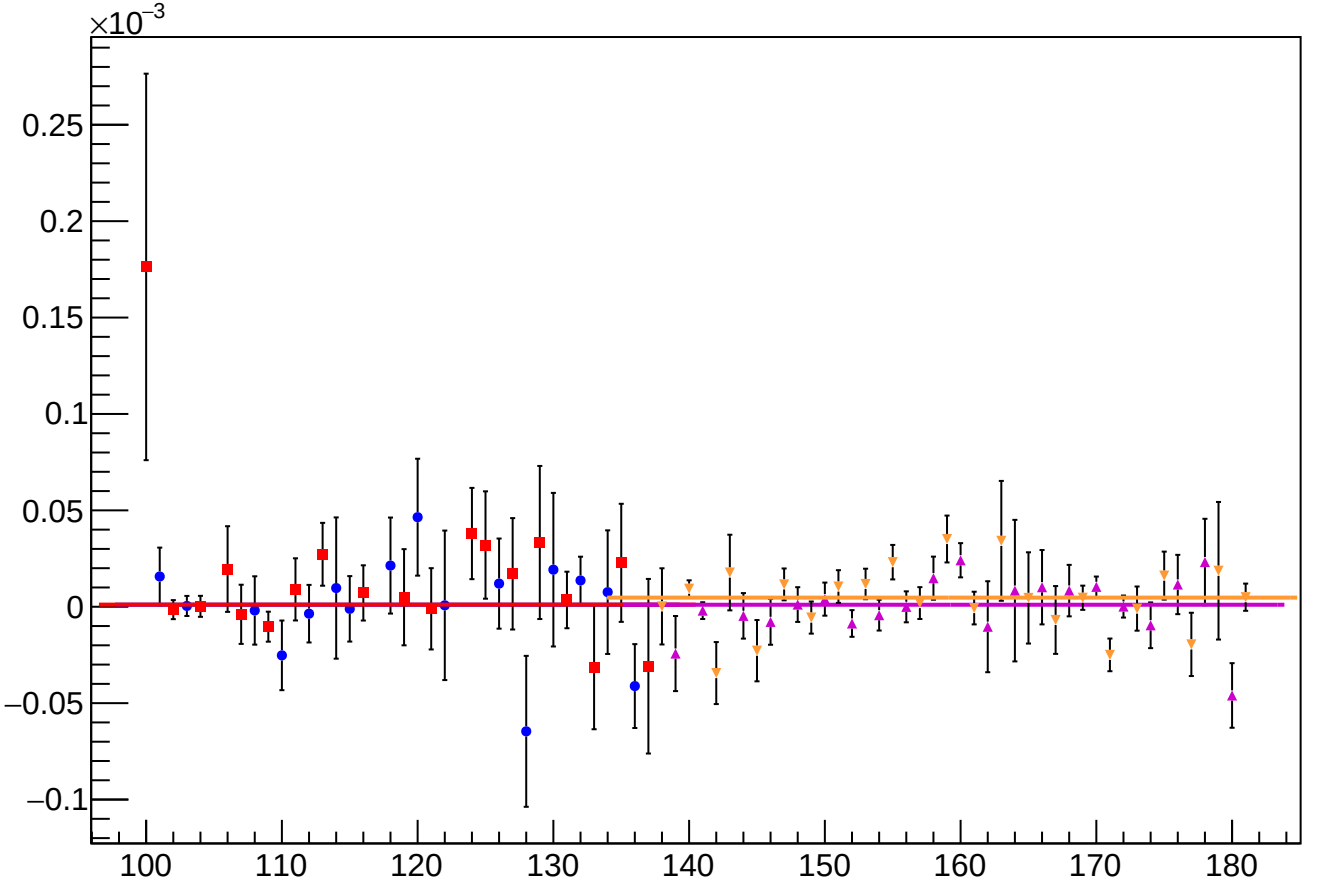
Left In: 259.218+/-0.047 χ^2/NDF:1802520.2/20

+ sign 221.540+/-0.033 χ^2/NDF: 4945887.0/38

All: 218.276+/-0.024 χ^2/NDF: 10031869.5/78

- sign 215.019+/-0.033 χ^2/NDF: 5066884.6/39

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:42.1/22

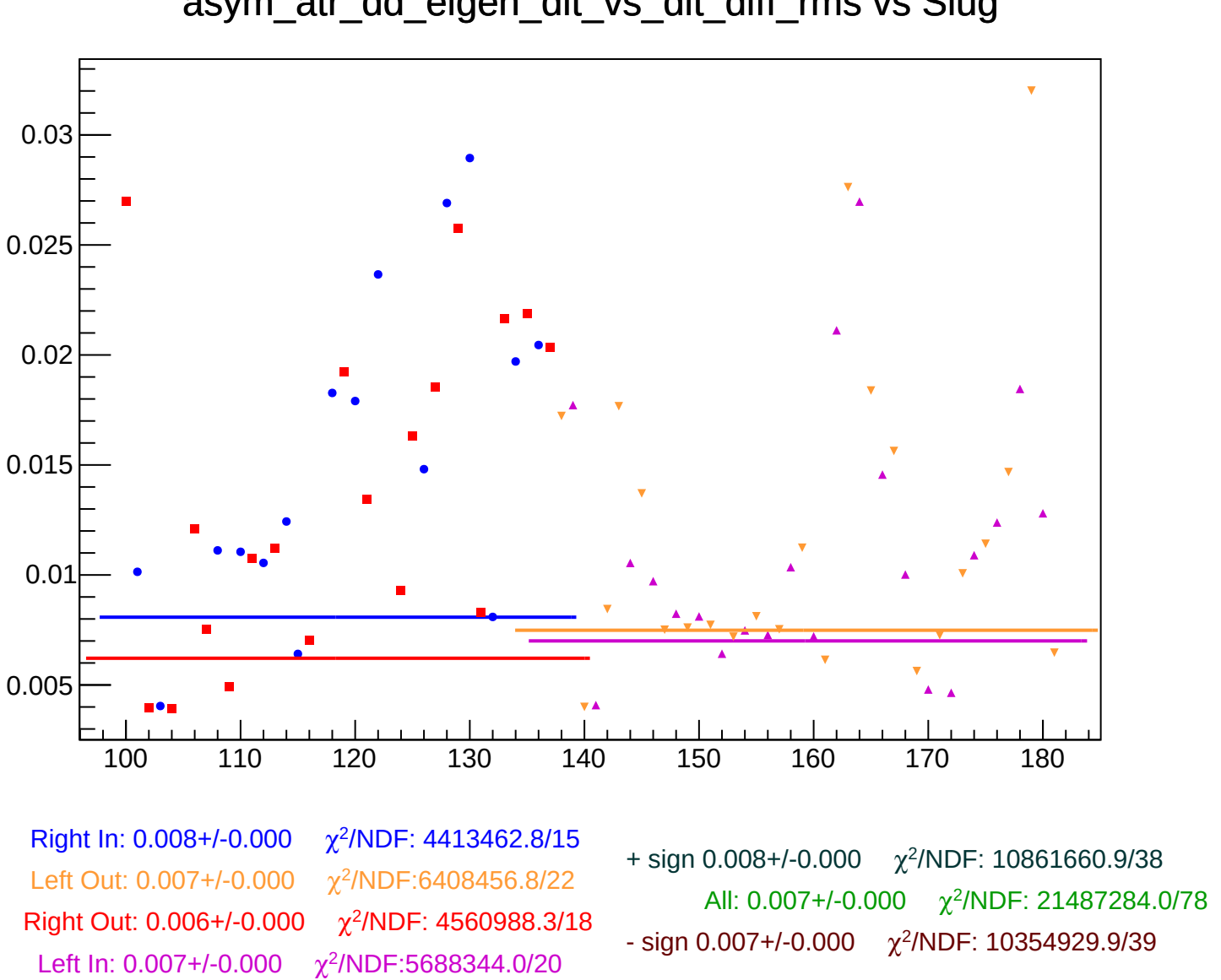
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: 0.000+/-0.000 χ^2/NDF:27.8/20

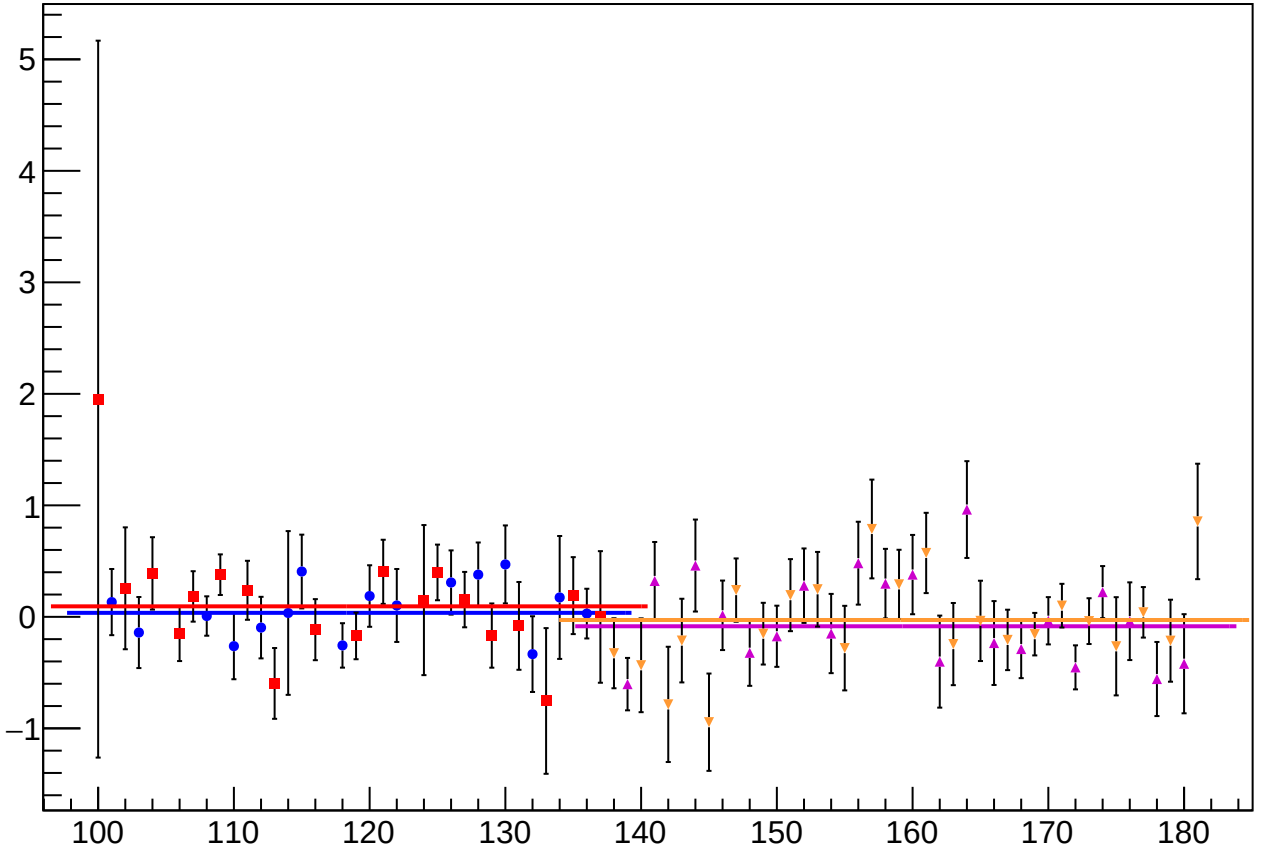
+ sign 0.000+/-0.000 χ^2/NDF: 57.1/38

All: 0.000+/-0.000 χ^2/NDF: 102.4/78

- sign 0.000+/-0.000 χ^2/NDF: 43.8/39


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: 0.007+/-0.000 χ²/NDF:6408456.8/22
Right Out: 0.006+/-0.000 χ²/NDF: 4560988.3/18
Left In: 0.007+/-0.000 χ²/NDF:5688344.0/20
+ sign 0.008+/-0.000 χ²/NDF: 10861660.9/38
All: 0.007+/-0.000 χ²/NDF: 21487284.0/78
- sign 0.007+/-0.000 χ²/NDF: 10354929.9/39

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: -0.028+/-0.064 χ^2/NDF:23.8/22

Right Out: 0.094+/-0.068 χ^2/NDF: 17.6/18

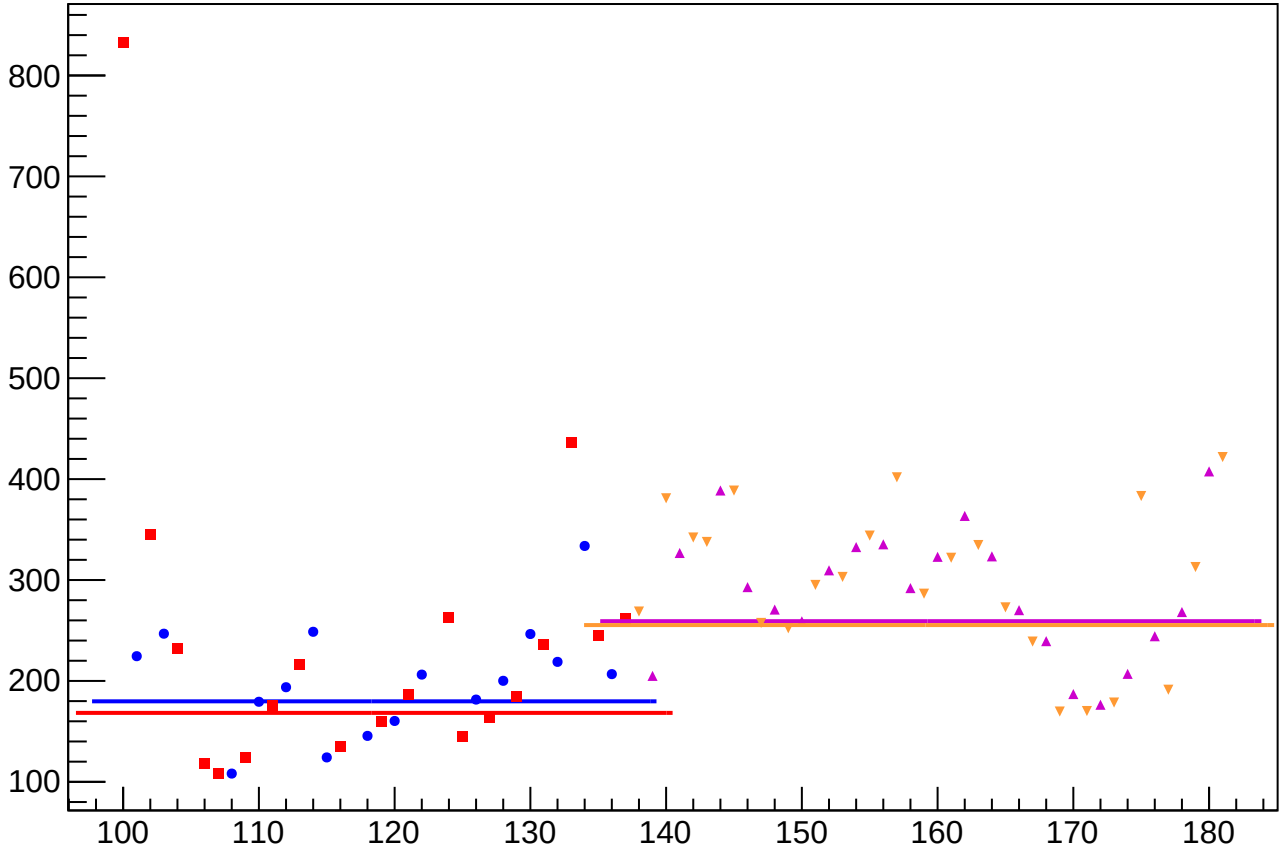
Left In: -0.085+/-0.066 χ^2/NDF:30.6/20

+ sign 0.000+/-0.047 χ^2/NDF: 34.8/38

All: 0.001+/-0.033 χ^2/NDF: 86.6/78

- sign 0.002+/-0.047 χ^2/NDF: 51.8/39

asym_atr_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 179.793+/-0.050 χ^2/NDF: 918583.7/15

Left Out: 255.358+/-0.045 χ^2/NDF:2761065.9/22

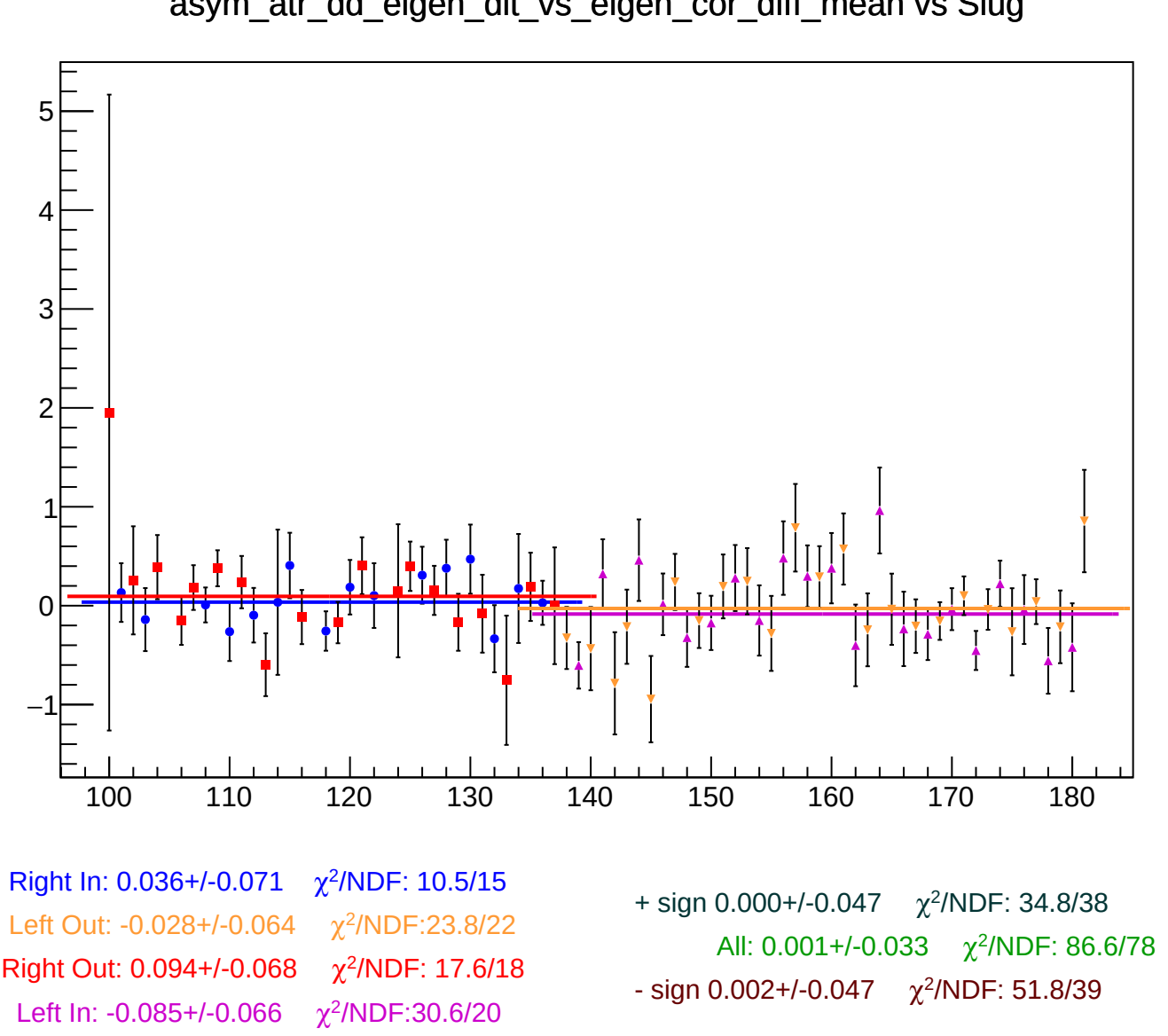
Right Out: 168.334+/-0.048 χ^2/NDF: 1409289.2/18

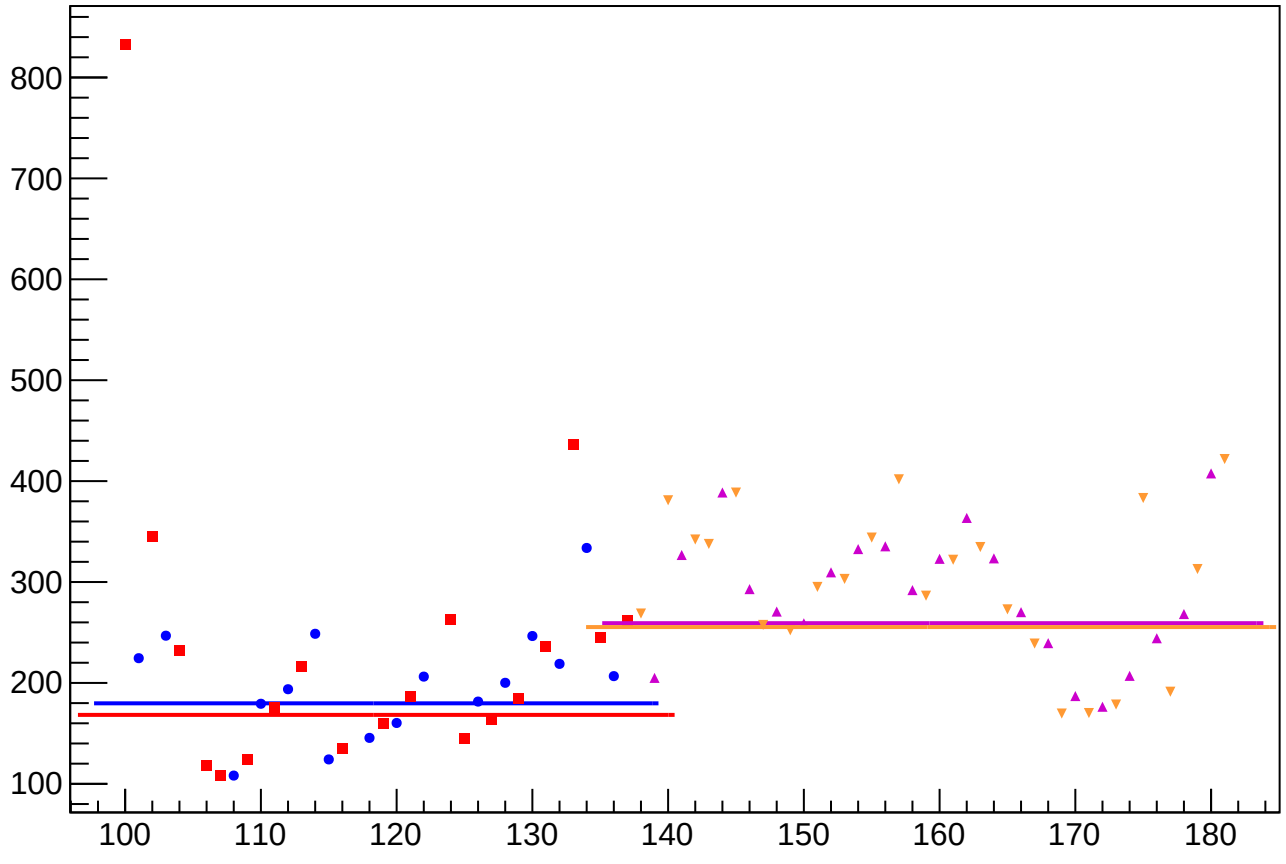
Left In: 259.220+/-0.047 χ^2/NDF:1802566.8/20

+ sign 221.539+/-0.033 χ^2/NDF: 4946201.9/38

All: 218.276+/-0.024 χ^2/NDF: 10032307.2/78

- sign 215.019+/-0.033 χ^2/NDF: 5067017.1/39


asym_atr_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
5
4
3
2
1
0
−1
100
110
120
130
140
150
160
170
180
Right In: 0.036+/-0.071 χ²/NDF: 10.5/15
Left Out: -0.028+/-0.064 χ²/NDF:23.8/22
Right Out: 0.094+/-0.068 χ²/NDF: 17.6/18
Left In: -0.085+/-0.066 χ²/NDF:30.6/20
+ sign 0.000+/-0.047 χ²/NDF: 34.8/38
All: 0.001+/-0.033 χ²/NDF: 86.6/78
- sign 0.002+/-0.047 χ²/NDF: 51.8/39



Right In: 179.793+/-0.050 χ^2/NDF: 918583.7/15

Left Out: 255.358+/-0.045 χ^2/NDF:2761065.9/22

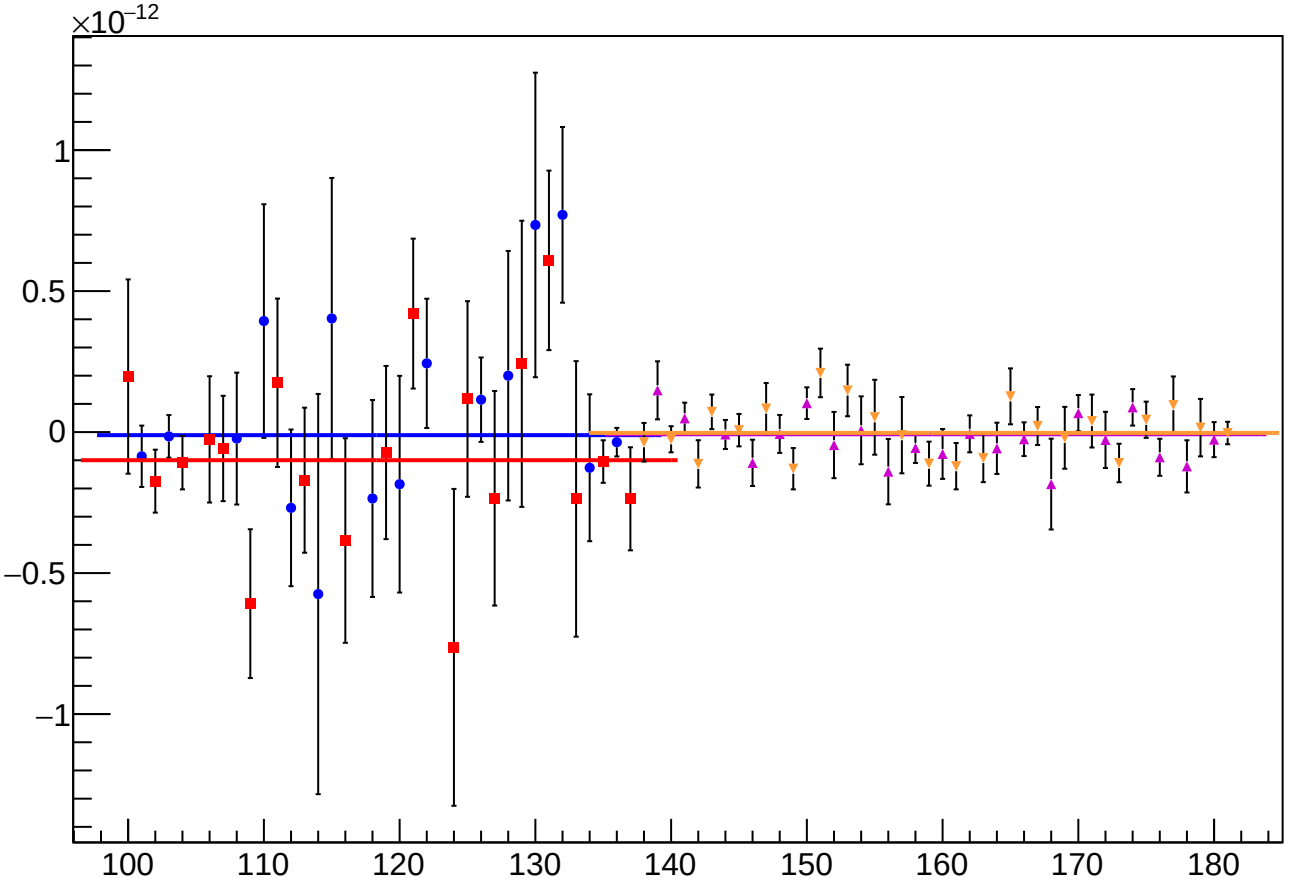
Right Out: 168.334+/-0.048 χ^2/NDF: 1409289.2/18

Left In: 259.220+/-0.047 χ^2/NDF:1802566.8/20

+ sign 221.539+/-0.033 χ^2/NDF: 4946201.9/38

All: 218.276+/-0.024 χ^2/NDF: 10032307.2/78

- sign 215.019+/-0.033 χ^2/NDF: 5067017.1/39



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

Left Out: -0.000+/-0.000 χ^2/NDF:27.7/22

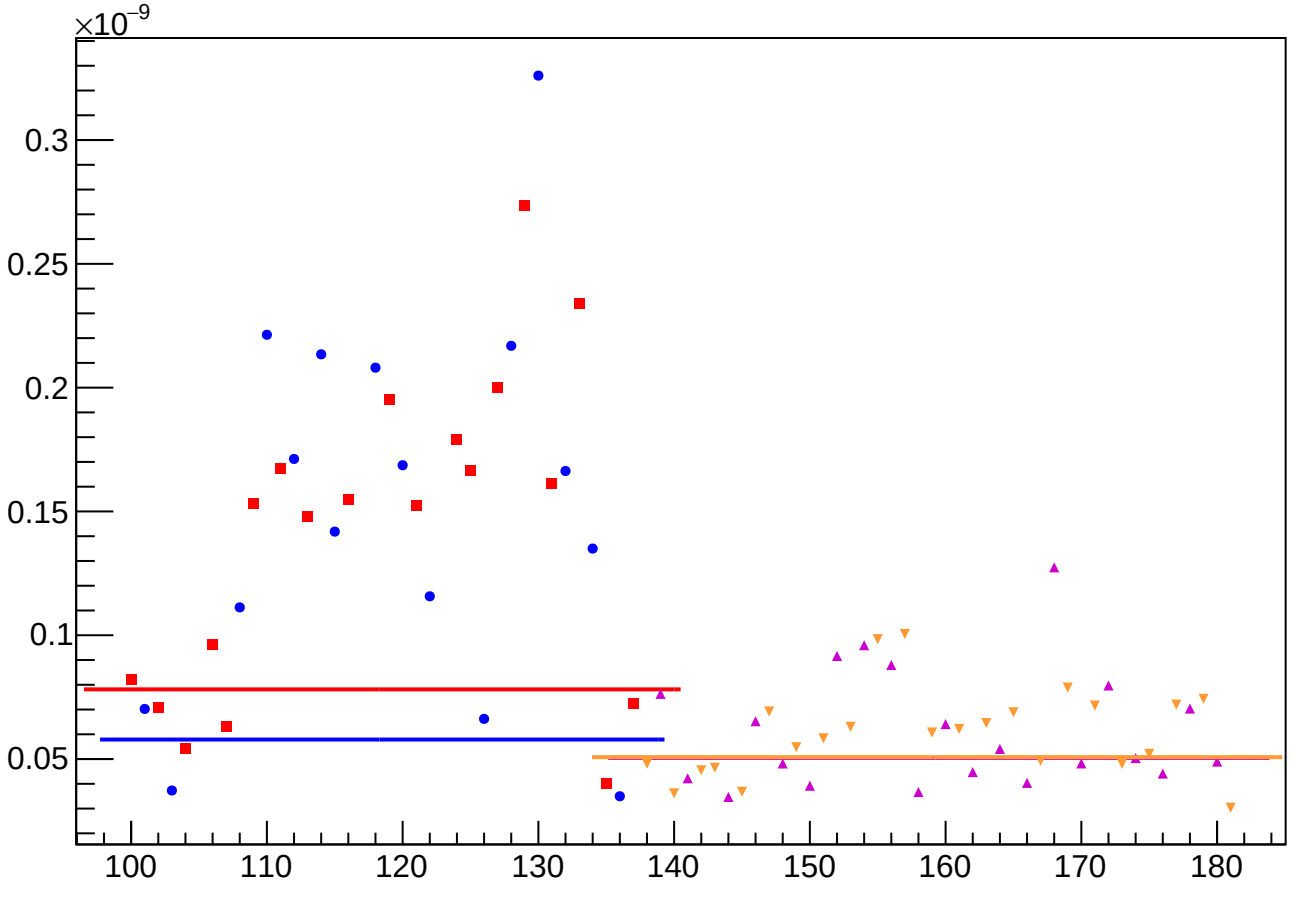
Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: -0.000+/-0.000 χ^2/NDF:19.9/20

+ sign -0.000+/-0.000 χ^2/NDF: 42.8/38

All: -0.000+/-0.000 χ^2/NDF: 85.8/78

- sign -0.000+/-0.000 χ^2/NDF: 42.5/39



Right In: 0.000+/-0.000 χ^2/NDF: 3322992.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:2152207.0/22

Right Out: 0.000+/-0.000 χ^2/NDF: 2732134.4/18

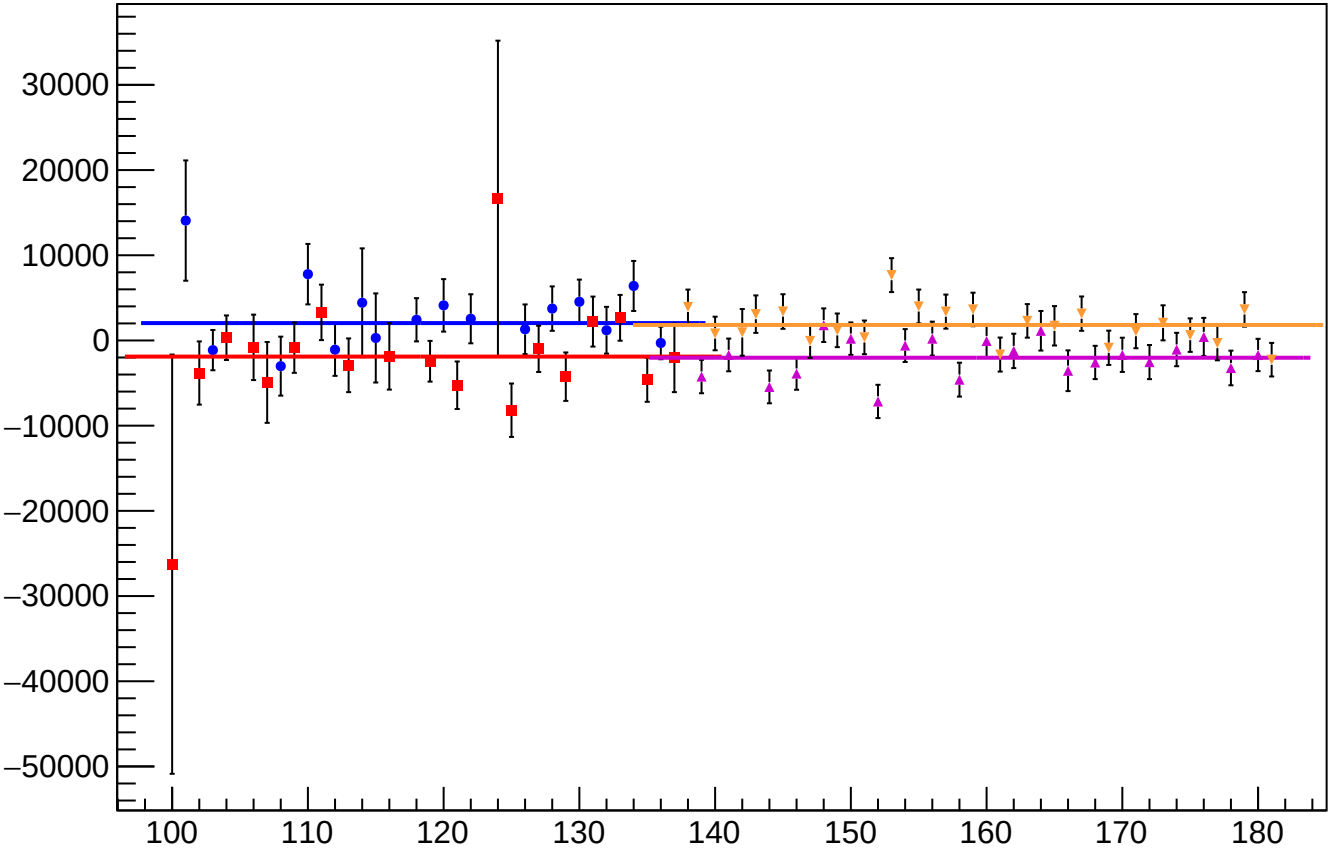
Left In: 0.000+/-0.000 χ^2/NDF:2246082.0/20

+ sign 0.000+/-0.000 χ^2/NDF: 5544106.2/38

All: 0.000+/-0.000 χ^2/NDF: 11300186.4/78

- sign 0.000+/-0.000 χ^2/NDF: 5737508.8/39

reg_asym_at1_avg_mean vs Slug



Right In: 2039.211+/-736.211 χ^2/NDF: 16.4/15

Left Out: 1819.936+/-424.820 χ^2/NDF:27.2/22

Right Out: -1895.242+/-736.762 χ^2/NDF: 18.5/18

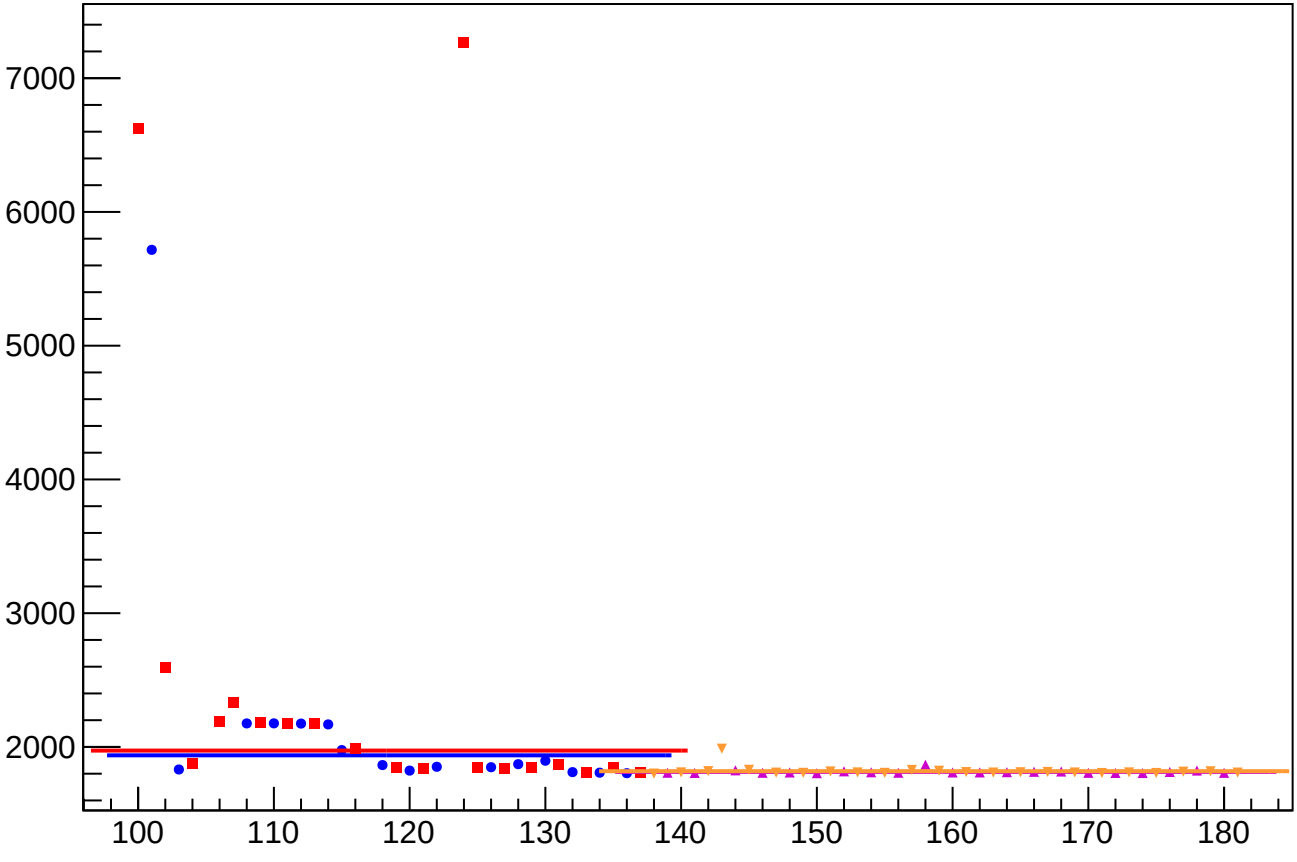
Left In: -2027.483+/-436.546 χ^2/NDF:26.3/20

+ sign 1874.710+/-367.955 χ^2/NDF: 43.7/38

All: -19.602+/-262.834 χ^2/NDF: 142.7/78

- sign -1993.120+/-375.569 χ^2/NDF: 44.9/39

reg_asym_at1_avg_rms vs Slug



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1818.623+/-0.300 χ^2/NDF:12713.2/22

Right Out: 1972.760+/-0.521 χ^2/NDF: 377537.1/18

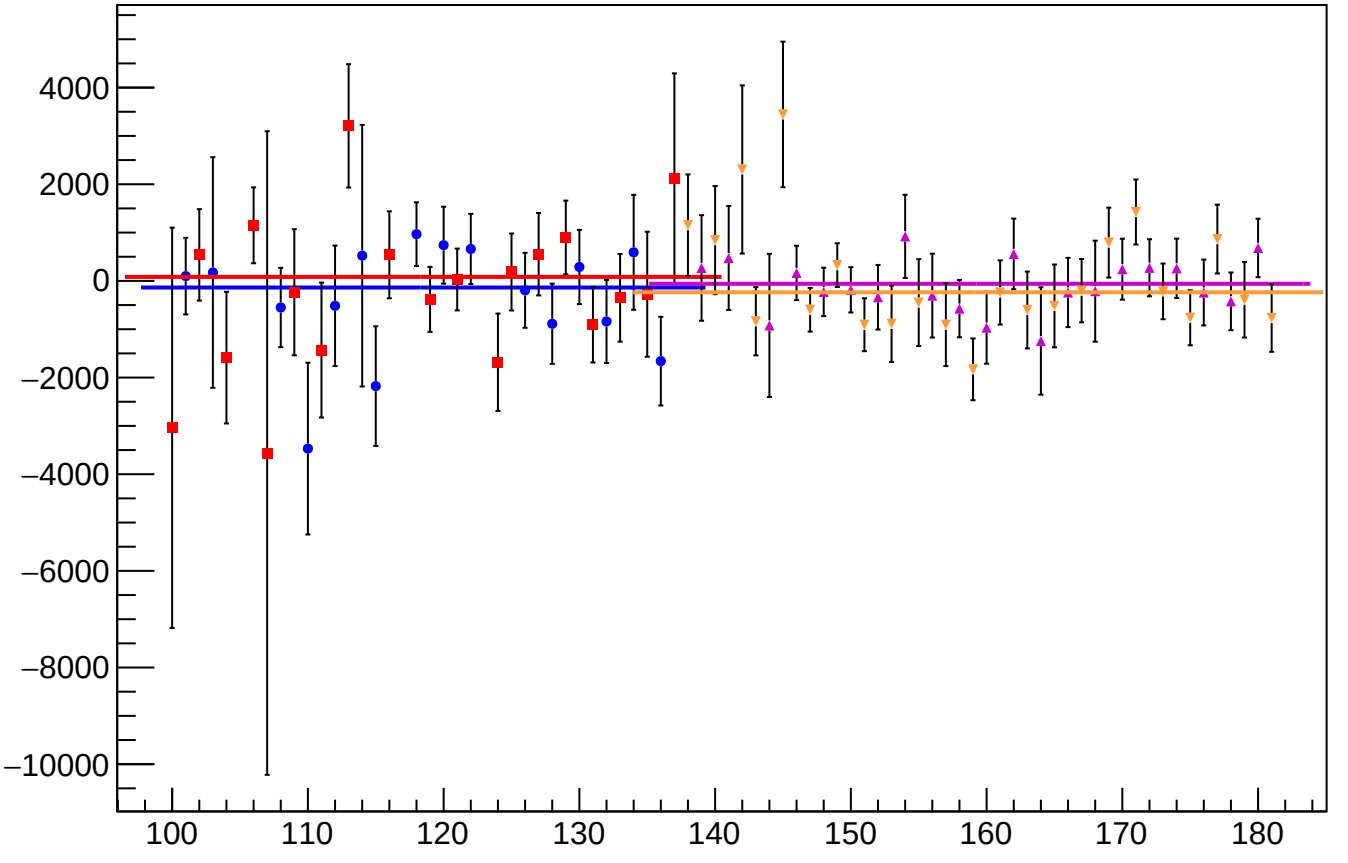
Left In: 1813.349+/-0.309 χ^2/NDF:1900.3/20

+ sign 1848.255+/-0.260 χ^2/NDF: 689762.5/38

All: 1851.447+/-0.186 χ^2/NDF: 1138807.2/78

- sign 1854.772+/-0.266 χ^2/NDF: 448737.4/39

asym_at1_avg_reg_correction_mean vs Slug



Right In: -136.643+/-230.431 χ^2/NDF: 16.9/15

Left Out: -235.379+/-144.857 χ^2/NDF:35.1/22

Right Out: 82.296+/-222.019 χ^2/NDF: 19.7/18

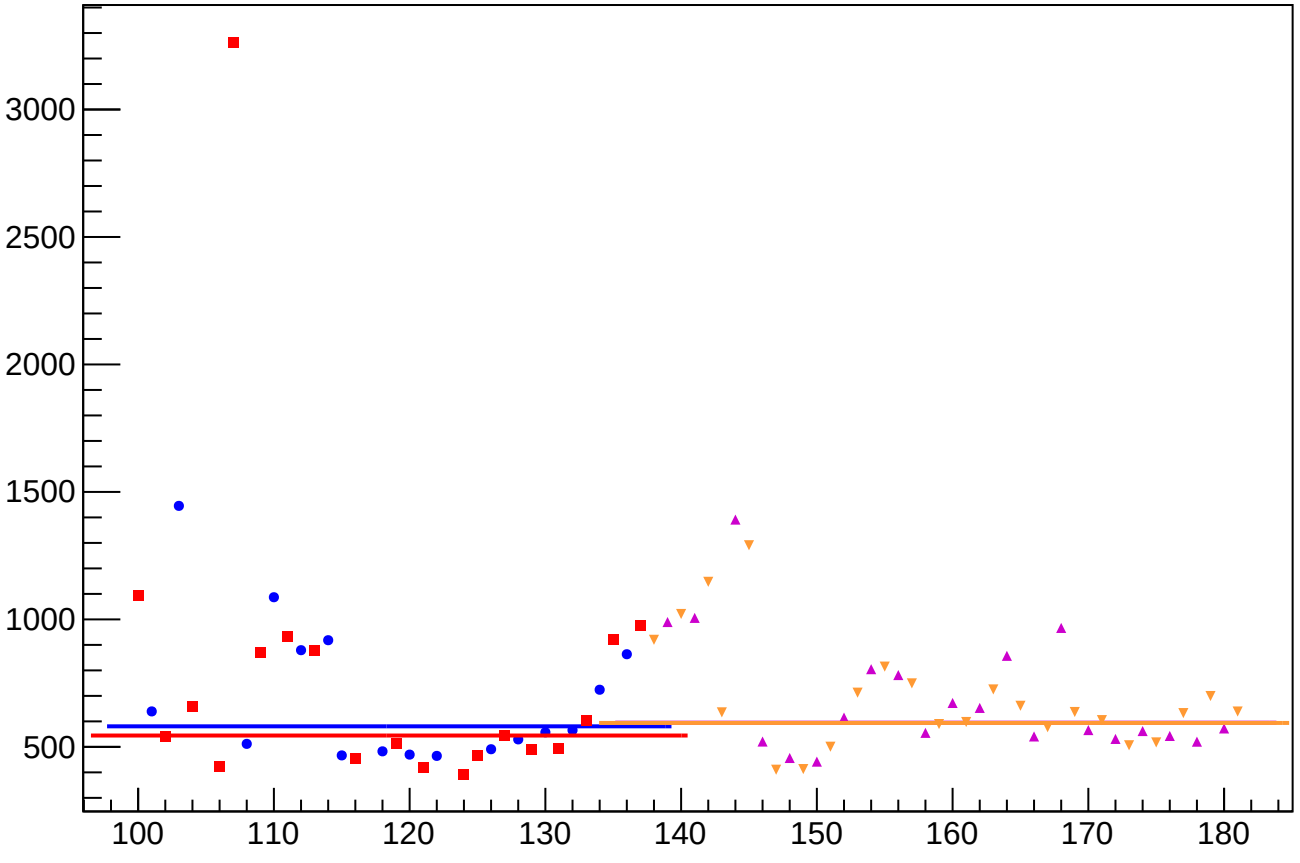
Left In: -59.623+/-149.568 χ^2/NDF:9.5/20

\+ sign -207.412+/-122.638 χ^2/NDF: 52.1/38

All: -112.463+/-87.211 χ^2/NDF: 82.8/78

\- sign -15.321+/-124.045 χ^2/NDF: 29.5/39

asym_at1_avg_reg_correction_rms vs Slug



Right In: 580.611+/-0.163 χ^2/NDF: 1003410.8/15

Left Out: 593.893+/-0.102 χ^2/NDF:2270321.5/22

Right Out: 544.530+/-0.157 χ^2/NDF: 1287643.0/18

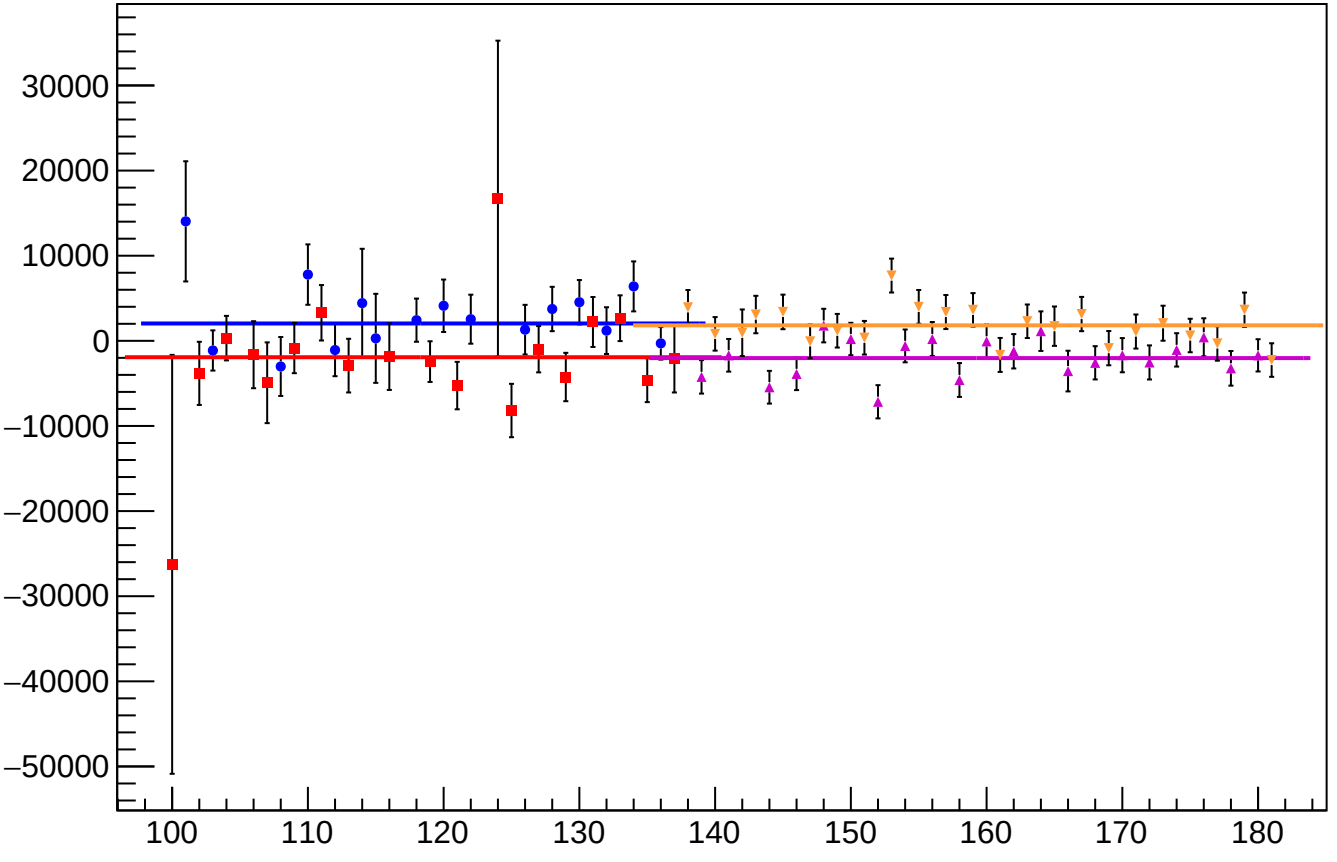
Left In: 594.909+/-0.106 χ^2/NDF:2243790.0/20

+ sign 590.131+/-0.087 χ^2/NDF: 3278495.1/38

All: 584.719+/-0.062 χ^2/NDF: 6888638.9/78

- sign 579.183+/-0.088 χ^2/NDF: 3602265.1/39

cor_asym_at1_avg_mean vs Slug



Right In: 2038.842+/-736.211 χ^2/NDF: 16.4/15

Left Out: 1819.914+/-424.820 χ^2/NDF:27.2/22

Right Out: -1926.264+/-737.411 χ^2/NDF: 18.4/18

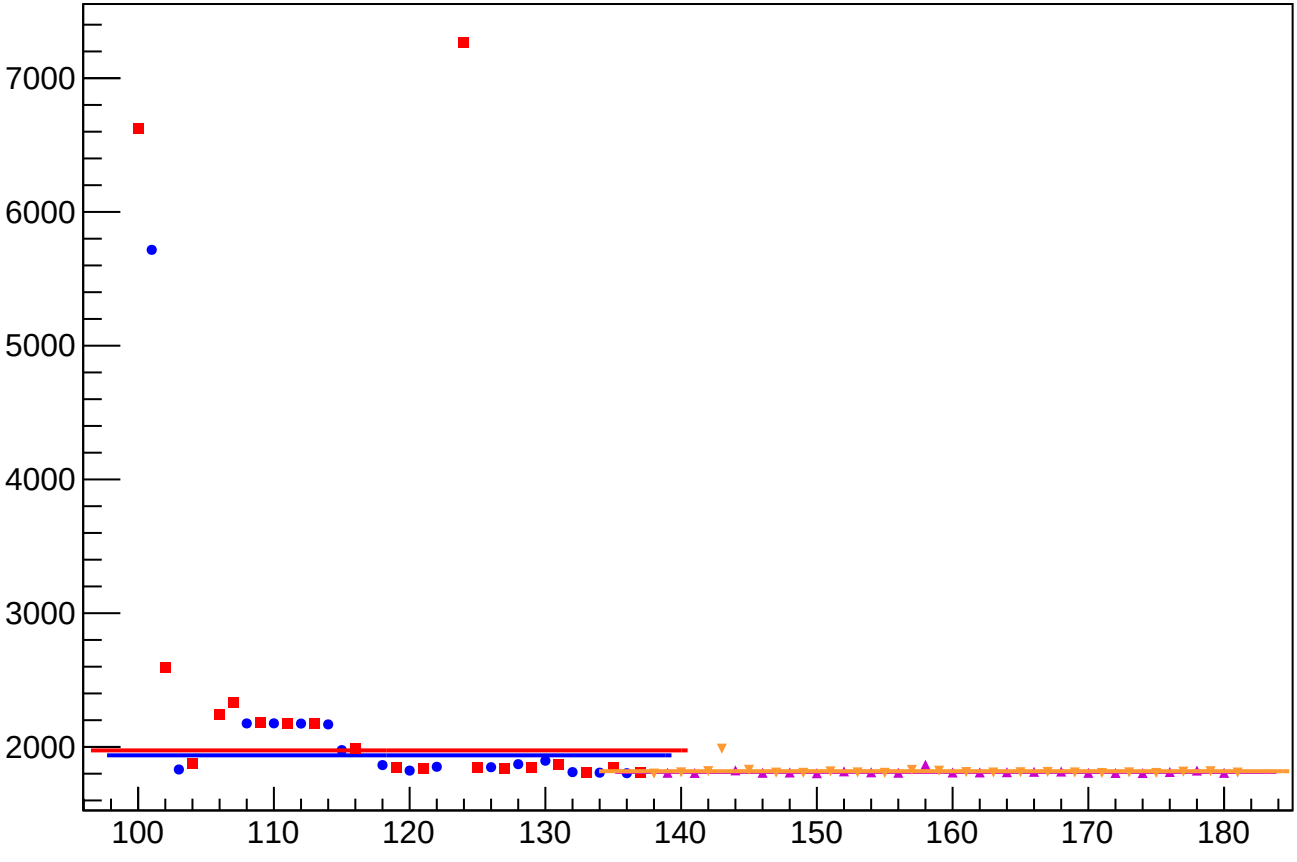
Left In: -2027.582+/-436.546 χ^2/NDF:26.3/20

+ sign 1874.601+/-367.955 χ^2/NDF: 43.7/38

All: -23.216+/-262.863 χ^2/NDF: 142.8/78

- sign -2001.289+/-375.654 χ^2/NDF: 44.8/39

cor_asym_at1_avg_rms vs Slug



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1818.623+/-0.300 χ^2/NDF:12713.2/22

Right Out: 1974.155+/-0.521 χ^2/NDF: 380430.7/18

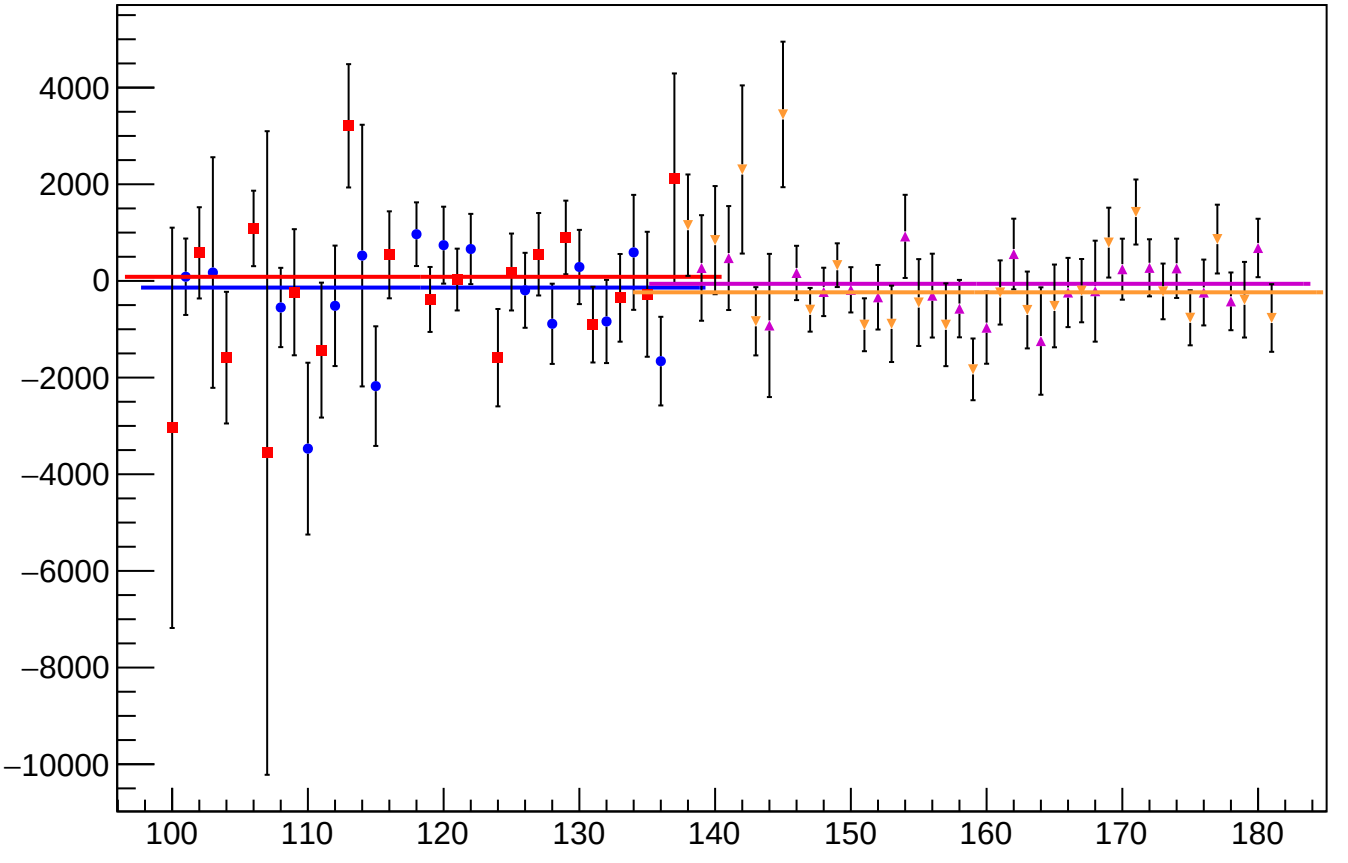
Left In: 1813.349+/-0.309 χ^2/NDF:1900.3/20

+ sign 1848.255+/-0.260 χ^2/NDF: 689762.5/38

All: 1851.597+/-0.186 χ^2/NDF: 1142856.4/78

- sign 1855.080+/-0.266 χ^2/NDF: 452757.0/39

asym_at1_avg_cor_correction_mean vs Slug



Right In: -137.491+/-230.382 χ^2/NDF: 16.9/15

Left Out: -235.428+/-144.857 χ^2/NDF:35.1/22

Right Out: 84.947+/-221.881 χ^2/NDF: 19.3/18

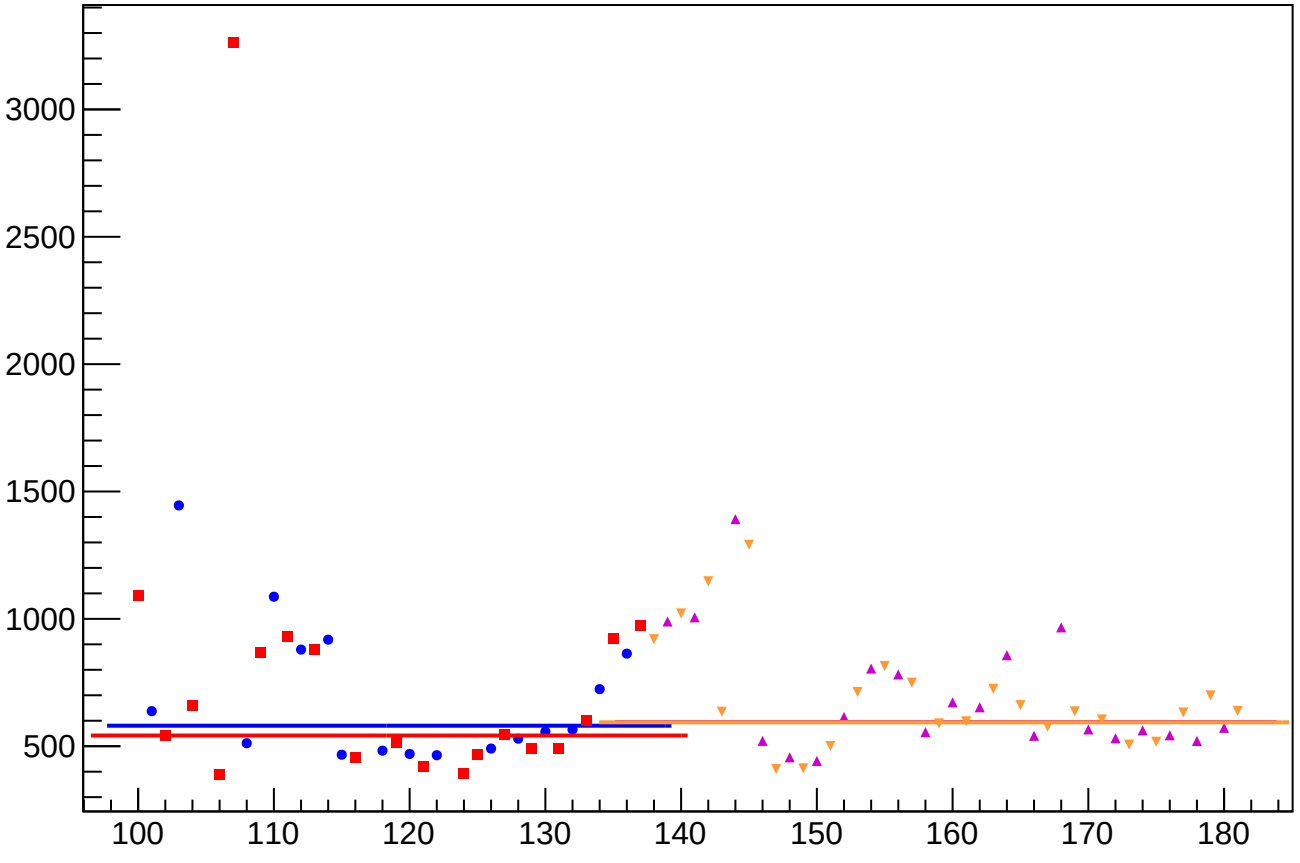
Left In: -59.674+/-149.569 χ^2/NDF:9.5/20

+ sign -207.679+/-122.630 χ^2/NDF: 52.1/38

All: -112.175+/-87.201 χ^2/NDF: 82.4/78

- sign -14.489+/-124.022 χ^2/NDF: 29.1/39

asym_at1_avg_cor_correction_rms vs Slug



Right In: 580.519+/-0.163 χ^2/NDF: 1002900.5/15

Left Out: 593.892+/-0.102 χ^2/NDF:2270456.3/22

Right Out: 541.939+/-0.157 χ^2/NDF: 1318850.5/18

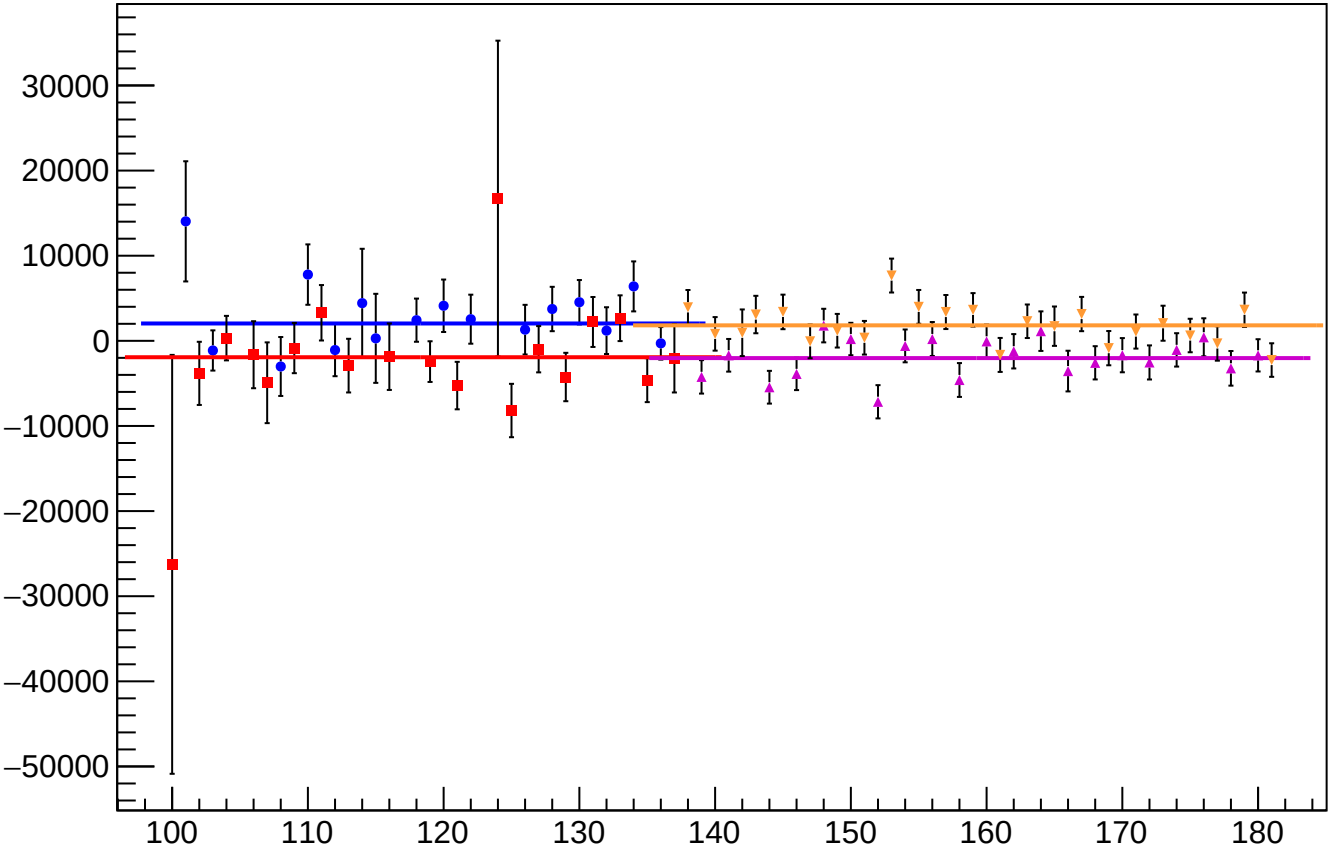
Left In: 594.916+/-0.106 χ^2/NDF:2243811.5/20

+ sign 590.103+/-0.087 χ^2/NDF: 3278186.2/38

All: 584.299+/-0.062 χ^2/NDF: 6928301.2/78

- sign 578.364+/-0.088 χ^2/NDF: 3641055.1/39

eigen_cor_asym_at1_avg_mean vs Slug



Right In: 2038.842+/-736.211 χ^2/NDF: 16.4/15

Left Out: 1819.914+/-424.820 χ^2/NDF:27.2/22

Right Out: -1926.264+/-737.411 χ^2/NDF: 18.4/18

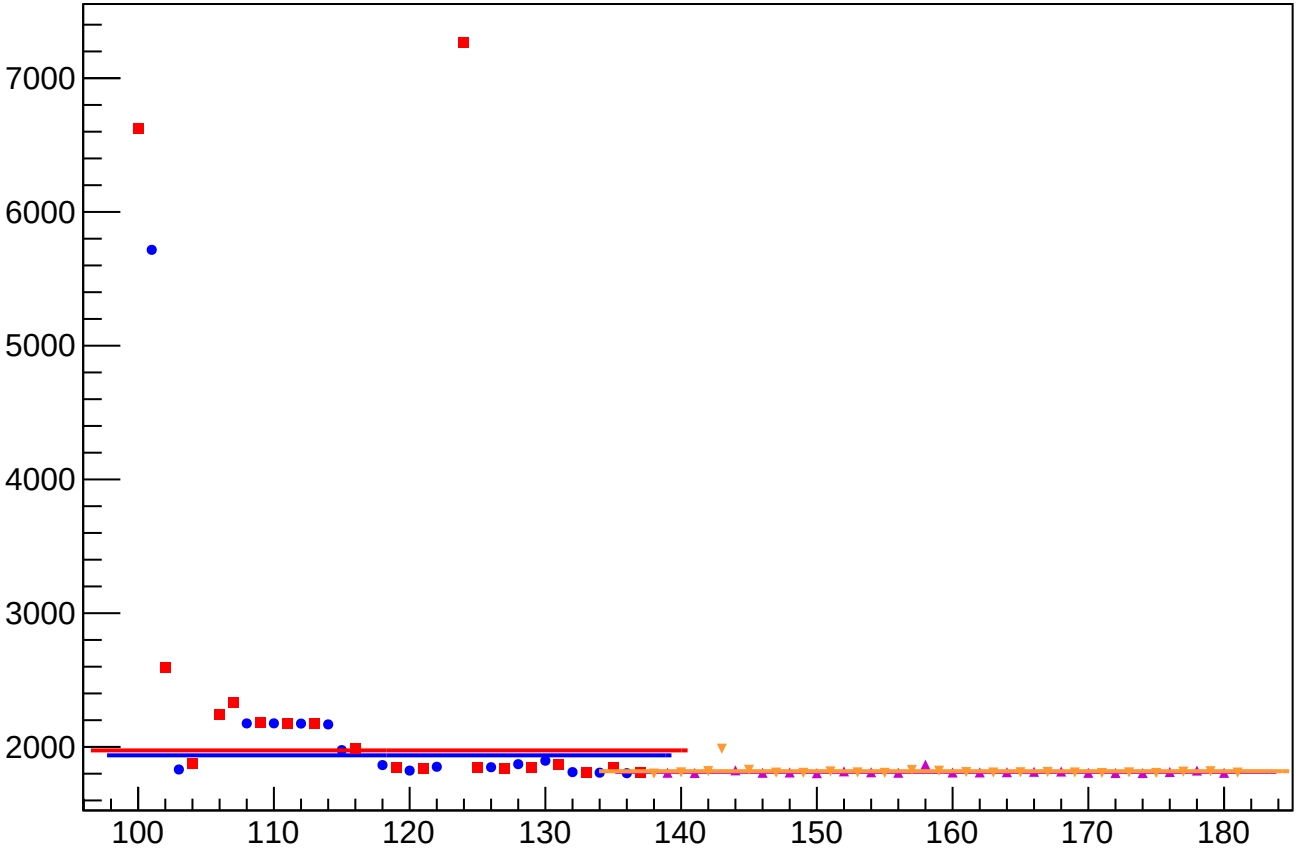
Left In: -2027.582+/-436.546 χ^2/NDF:26.3/20

+ sign 1874.601+/-367.955 χ^2/NDF: 43.7/38

All: -23.216+/-262.863 χ^2/NDF: 142.8/78

- sign -2001.289+/-375.654 χ^2/NDF: 44.8/39

eigen_cor_asym_at1_avg_rms vs Slug



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1818.623+/-0.300 χ^2/NDF:12713.2/22

Right Out: 1974.155+/-0.521 χ^2/NDF: 380430.7/18

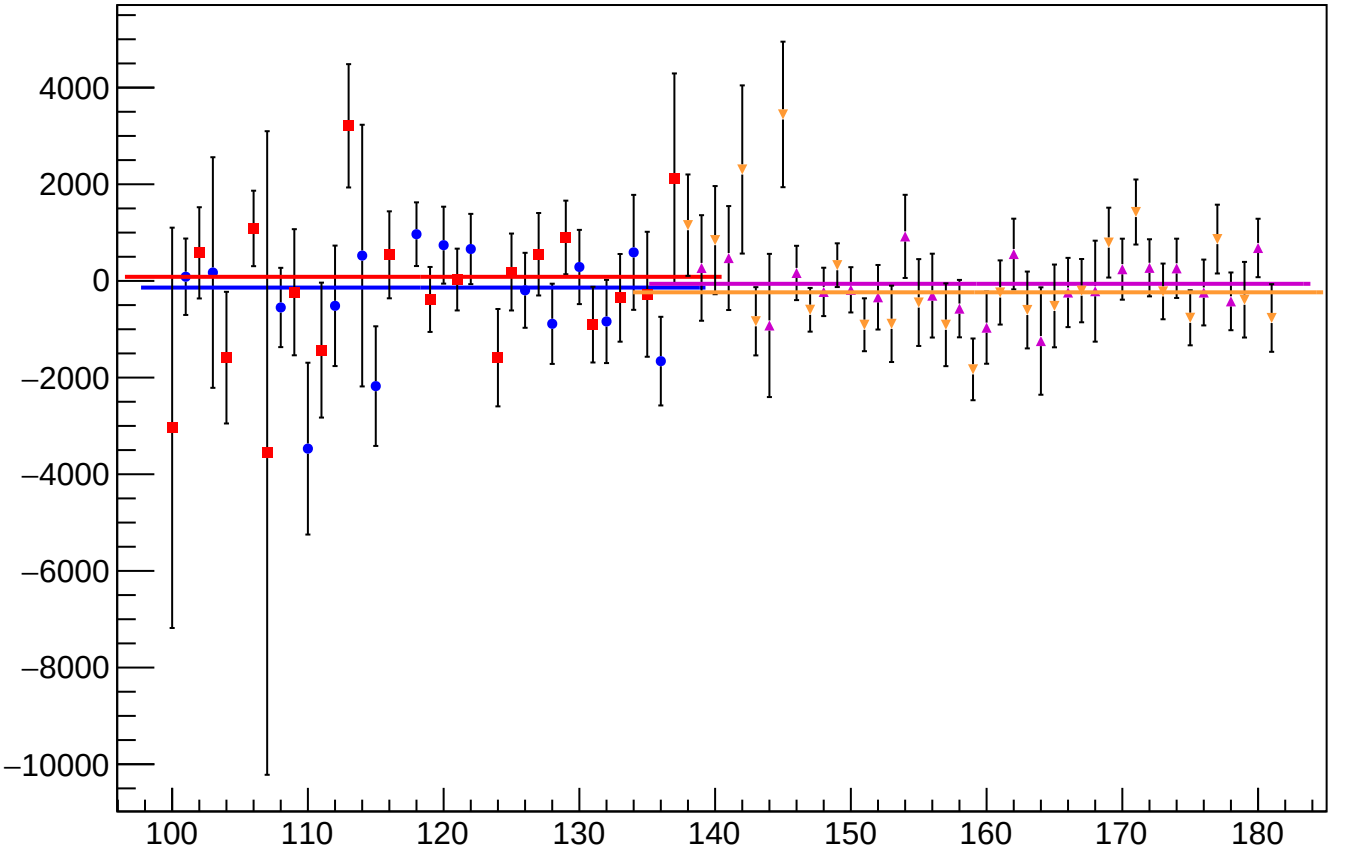
Left In: 1813.349+/-0.309 χ^2/NDF:1900.3/20

+ sign 1848.255+/-0.260 χ^2/NDF: 689762.5/38

All: 1851.597+/-0.186 χ^2/NDF: 1142856.4/78

- sign 1855.080+/-0.266 χ^2/NDF: 452757.0/39

asym_at1_avg_eigen_cor_correction_mean vs Slug



Right In: -137.491+/-230.382 χ^2/NDF: 16.9/15

Left Out: -235.428+/-144.857 χ^2/NDF:35.1/22

Right Out: 84.947+/-221.881 χ^2/NDF: 19.3/18

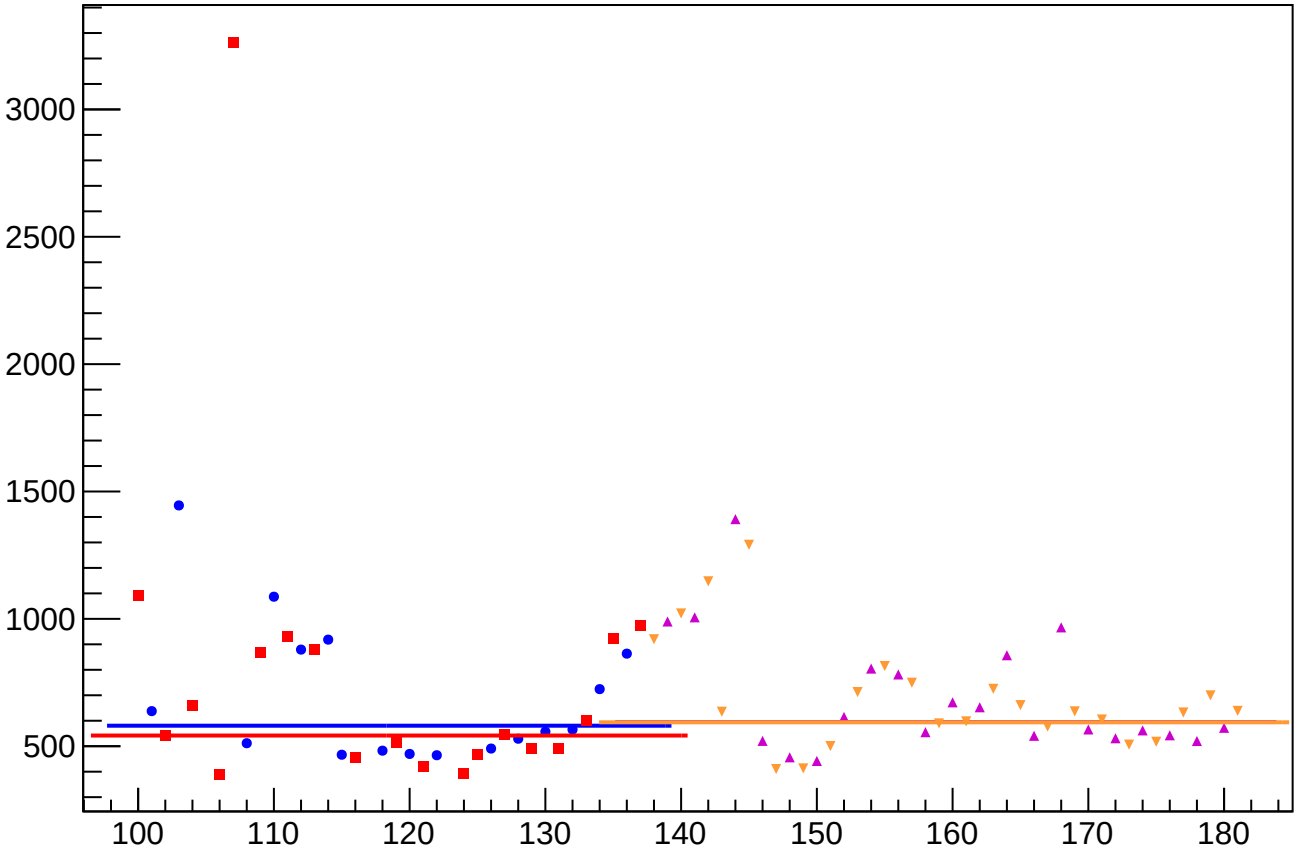
Left In: -59.674+/-149.569 χ^2/NDF:9.5/20

+ sign -207.679+/-122.630 χ^2/NDF: 52.1/38

All: -112.175+/-87.201 χ^2/NDF: 82.4/78

- sign -14.489+/-124.022 χ^2/NDF: 29.1/39

asym_at1_avg_eigen_cor_correction_rms vs Slug



Right In: 580.519+/-0.163 χ^2/NDF: 1002900.5/15

Left Out: 593.892+/-0.102 χ^2/NDF:2270456.3/22

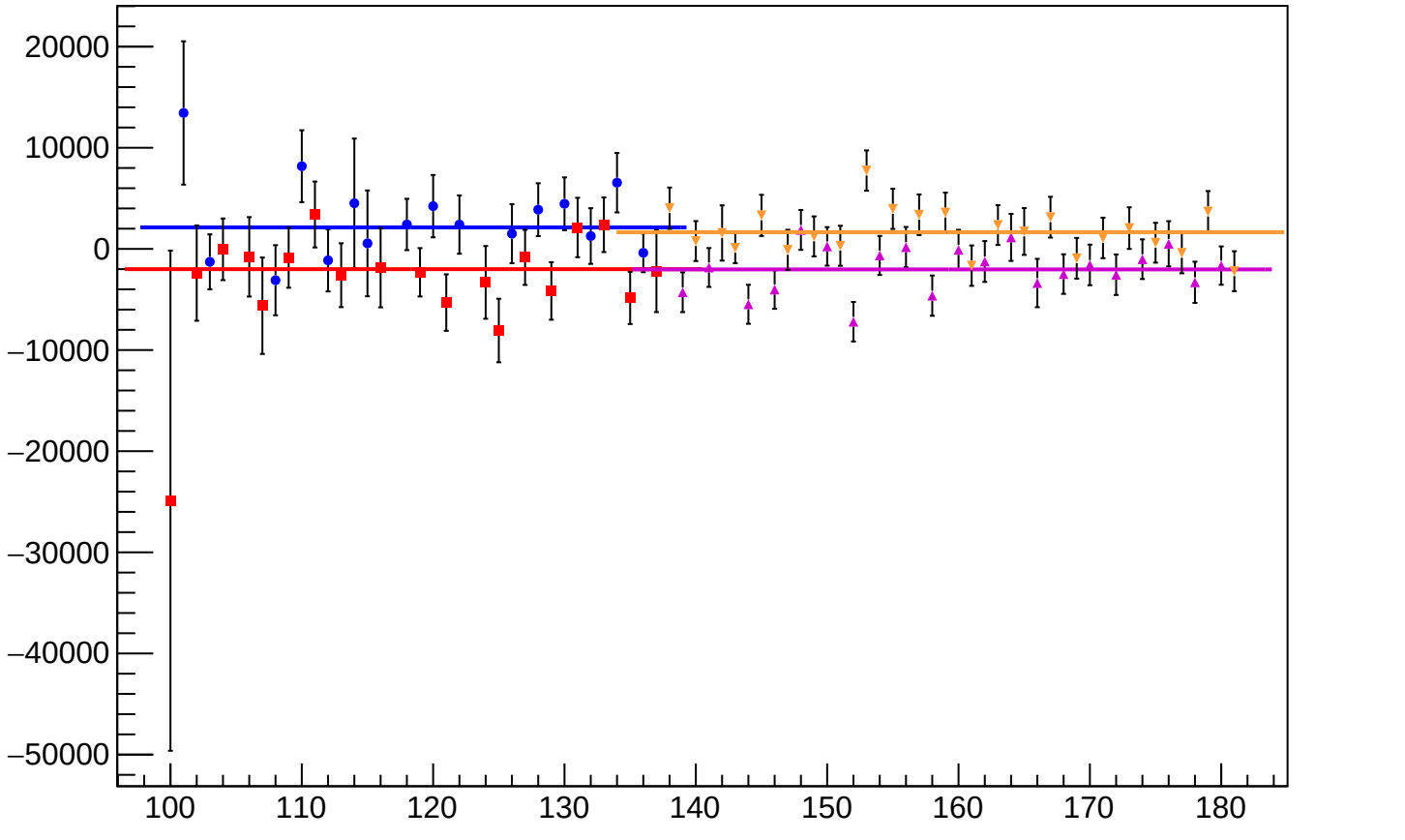
Right Out: 541.939+/-0.157 χ^2/NDF: 1318850.5/18

Left In: 594.916+/-0.106 χ^2/NDF:2243811.5/20

+ sign 590.103+/-0.087 χ^2/NDF: 3278186.2/38

All: 584.299+/-0.062 χ^2/NDF: 6928301.2/78

- sign 578.364+/-0.088 χ^2/NDF: 3641055.1/39



Right In: 2128.748+/-746.242 χ^2/NDF: 16.5/15

Left Out: 1652.641+/-416.632 χ^2/NDF:28.3/22

Right Out: -2002.220+/-737.195 χ^2/NDF: 16.7/18

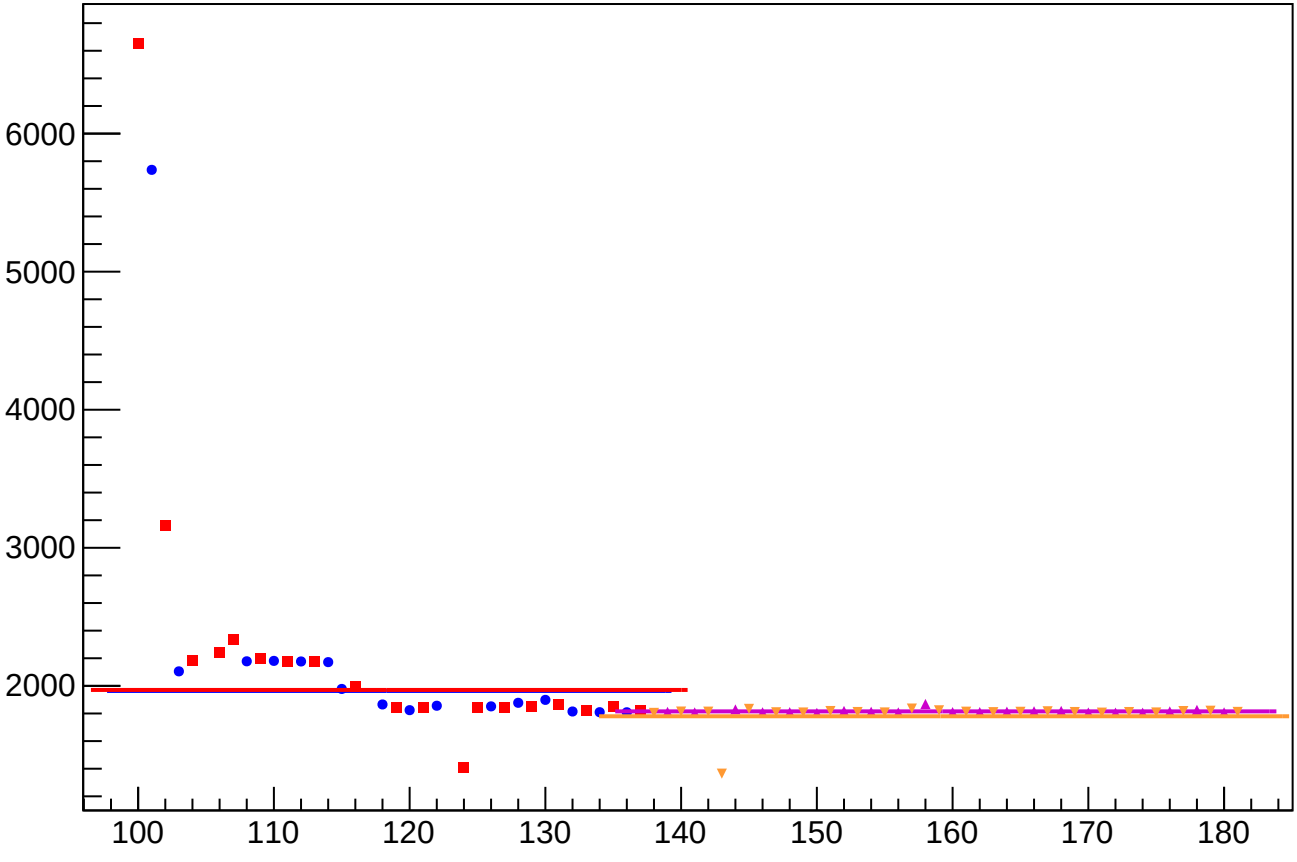
Left In: -2028.059+/-437.015 χ^2/NDF:26.8/20

+ sign 1765.780+/-363.776 χ^2/NDF: 45.1/38

All: -65.597+/-261.418 χ^2/NDF: 141.0/78

- sign -2021.340+/-375.925 χ^2/NDF: 43.6/39

dit_asym_at1_avg_rms vs Slug



Right In: 1963.415+/-0.528 χ^2/NDF: 640254.1/15

Left Out: 1779.831+/-0.295 χ^2/NDF:164683.0/22

Right Out: 1970.459+/-0.521 χ^2/NDF: 345133.0/18

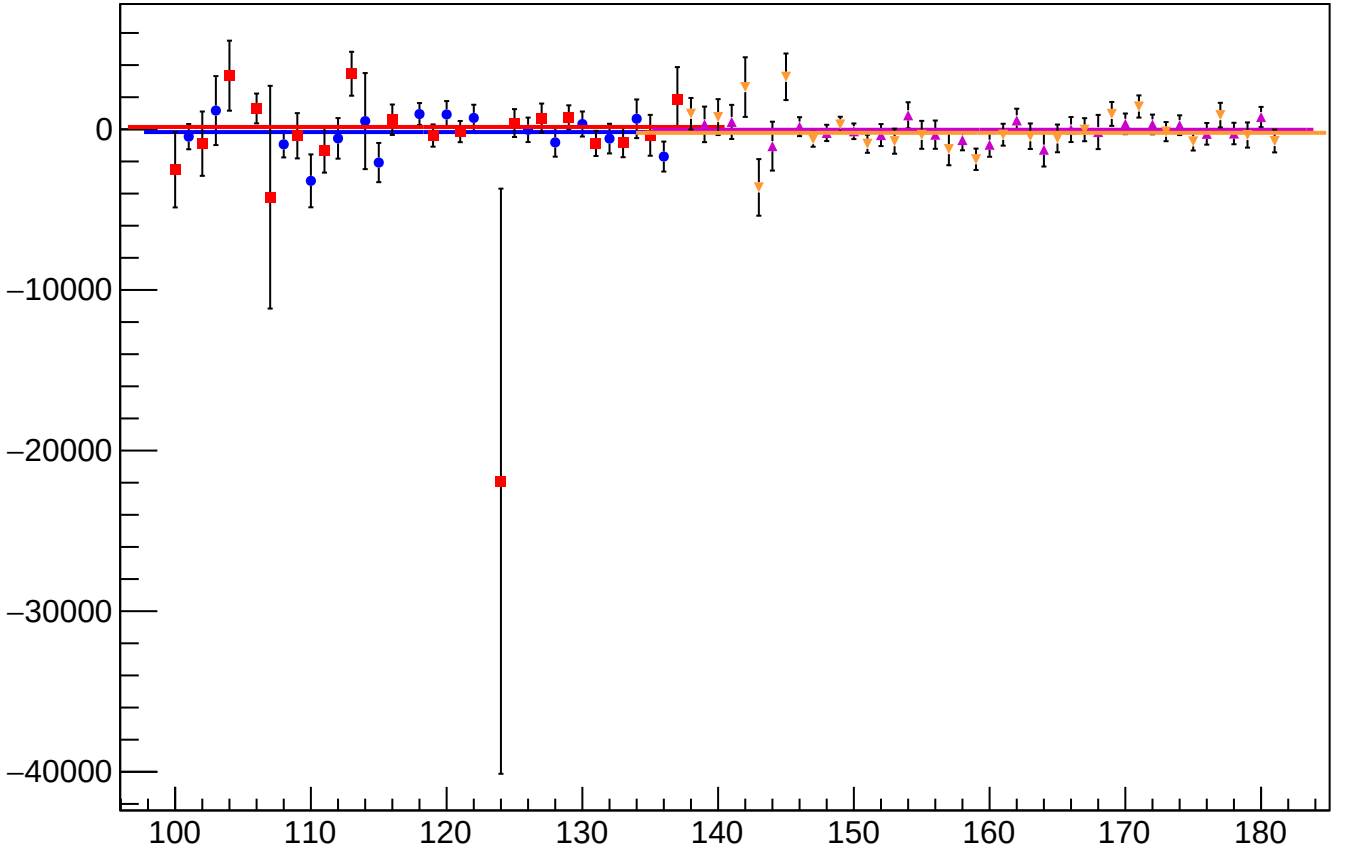
Left In: 1815.282+/-0.309 χ^2/NDF:1969.6/20

+ sign 1823.457+/-0.257 χ^2/NDF: 897216.4/38

All: 1839.017+/-0.185 χ^2/NDF: 1317460.2/78

- sign 1855.634+/-0.266 χ^2/NDF: 412676.7/39

asym_at1_avg_dit_correction_mean vs Slug



Right In: -170.774+/-236.912 χ^2/NDF: 17.2/15

Left Out: -216.721+/-152.044 χ^2/NDF:37.0/22

Right Out: 147.489+/-242.848 χ^2/NDF: 20.1/18

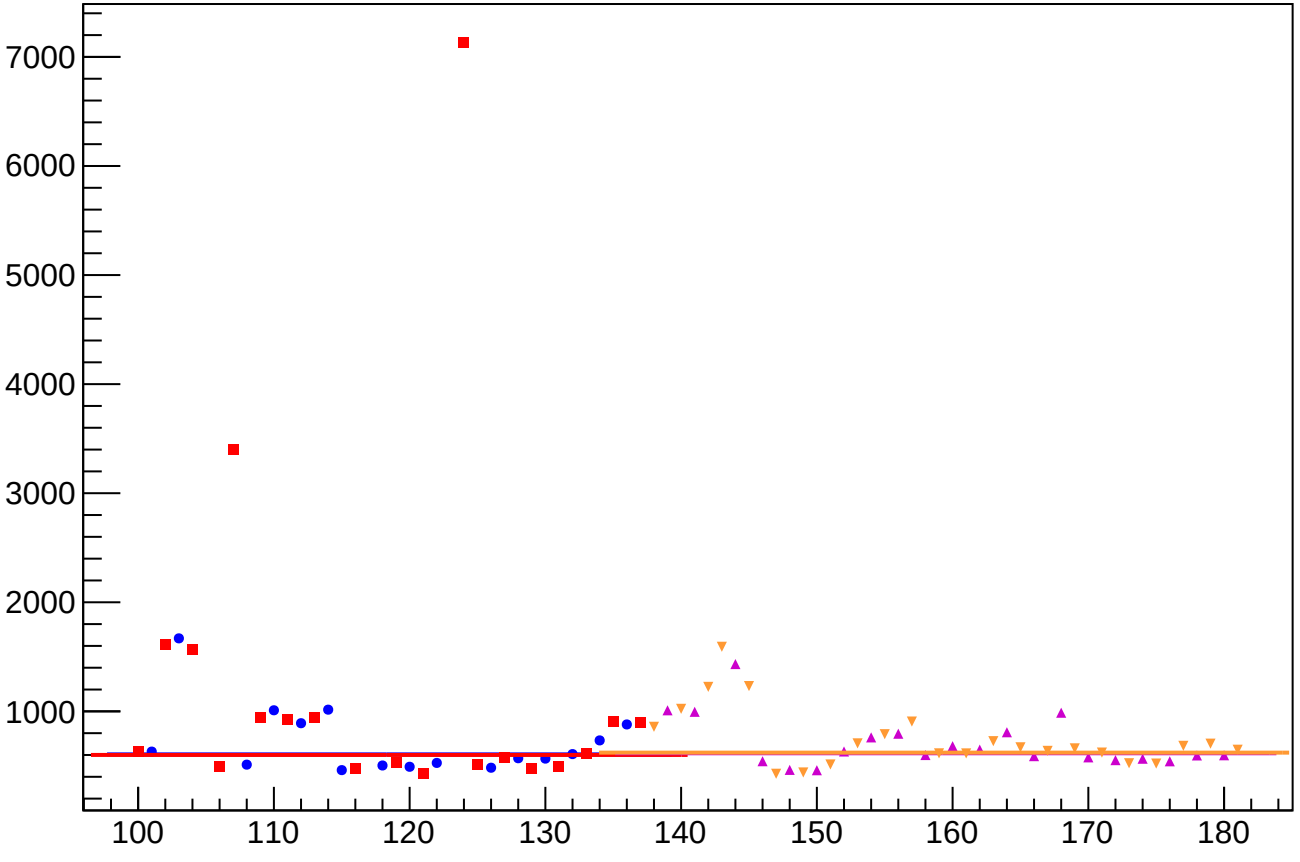
Left In: -26.039+/-153.748 χ^2/NDF:9.9/20

\+ sign -203.317+/-127.959 χ^2/NDF: 54.3/38

All: -91.562+/-91.160 χ^2/NDF: 86.2/78

\- sign 23.613+/-129.903 χ^2/NDF: 30.4/39

asym_at1_avg_dit_correction_rms vs Slug



Right In: 605.430+/-0.168 χ^2/NDF: 1162454.5/15

Left Out: 621.565+/-0.108 χ^2/NDF:2704765.7/22

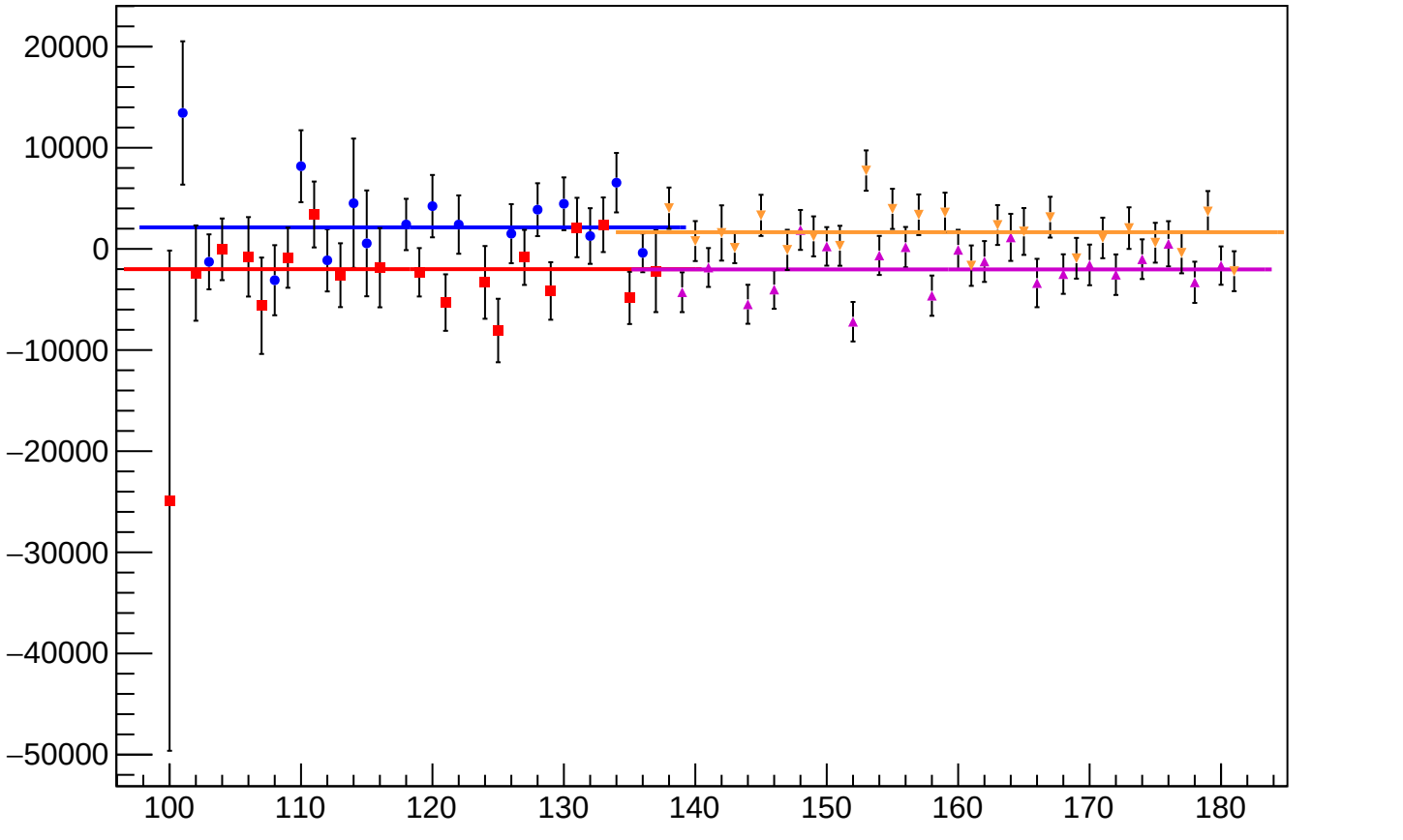
Right Out: 600.447+/-0.172 χ^2/NDF: 2328523.8/18

Left In: 615.660+/-0.109 χ^2/NDF:2053442.6/20

\+ sign 616.858+/-0.090 χ^2/NDF: 3873790.8/38

All: 614.124+/-0.064 χ^2/NDF: 8263213.5/78

\- sign 611.307+/-0.092 χ^2/NDF: 4387569.2/39



Right In: 2128.746+/-746.242 χ^2/NDF: 16.5/15

Left Out: 1652.641+/-416.632 χ^2/NDF:28.3/22

Right Out: -2002.218+/-737.195 χ^2/NDF: 16.7/18

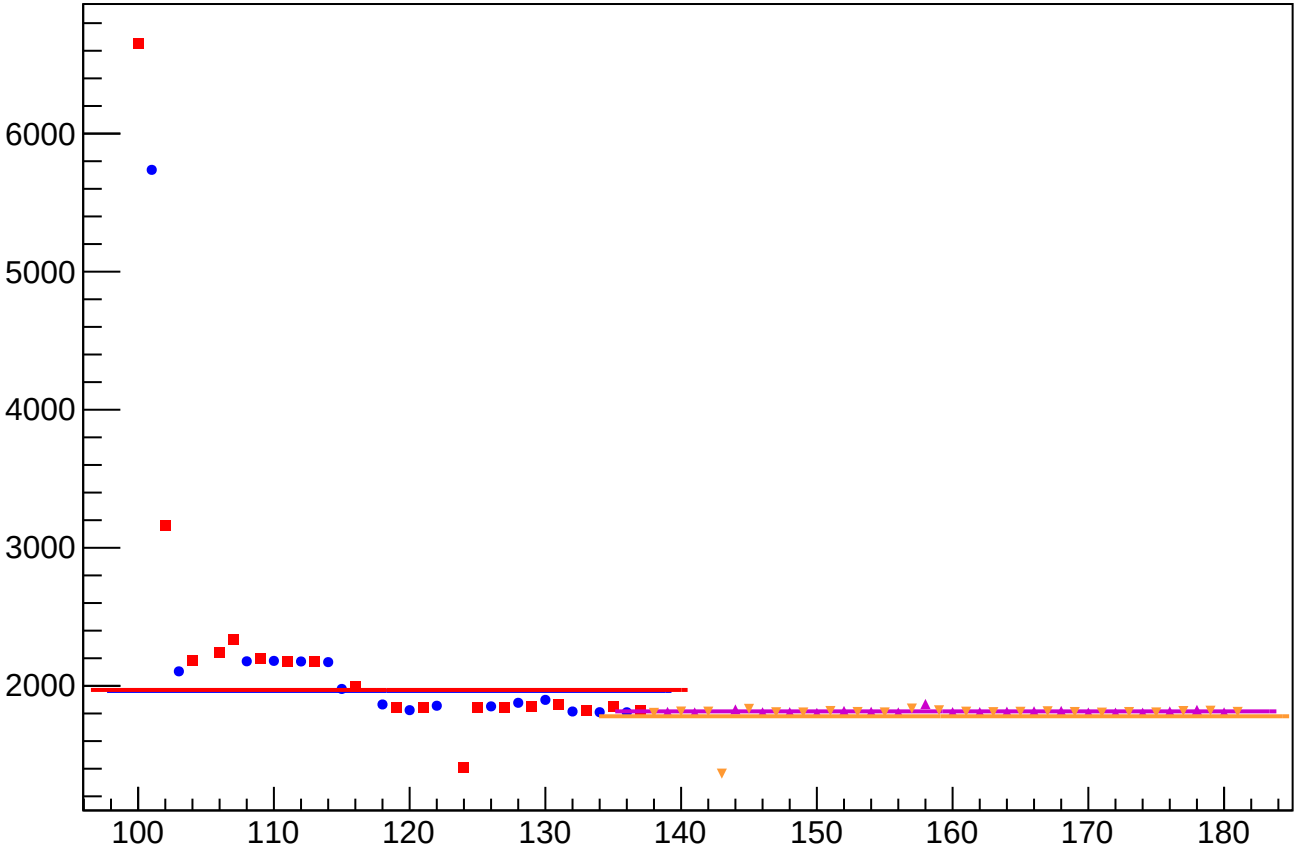
Left In: -2028.059+/-437.015 χ^2/NDF:26.8/20

+ sign 1765.780+/-363.776 χ^2/NDF: 45.1/38

All: -65.597+/-261.418 χ^2/NDF: 141.0/78

- sign -2021.340+/-375.925 χ^2/NDF: 43.6/39

eigen_dit_asym_at1_avg_rms vs Slug



Right In: 1963.415+/-0.528 χ^2/NDF: 640253.8/15

Left Out: 1779.831+/-0.295 χ^2/NDF:164682.9/22

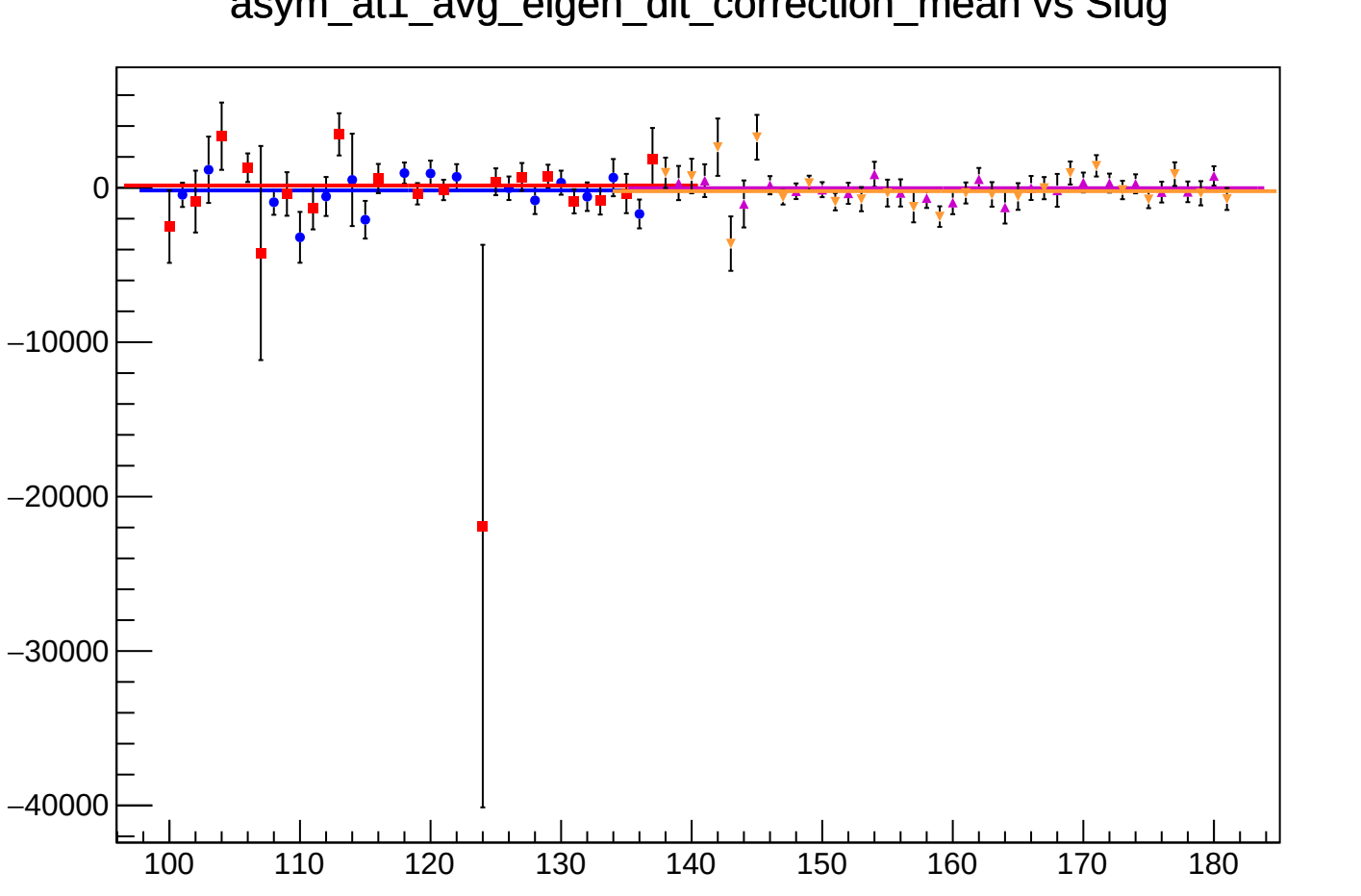
Right Out: 1970.459+/-0.521 χ^2/NDF: 345131.7/18

Left In: 1815.282+/-0.309 χ^2/NDF:1969.6/20

+ sign 1823.457+/-0.257 χ^2/NDF: 897215.8/38

All: 1839.017+/-0.185 χ^2/NDF: 1317458.2/78

- sign 1855.634+/-0.266 χ^2/NDF: 412675.2/39



Right In: -170.773+/-236.912 χ^2/NDF: 17.2/15

Left Out: -216.721+/-152.044 χ^2/NDF:37.0/22

Right Out: 147.489+/-242.847 χ^2/NDF: 20.1/18

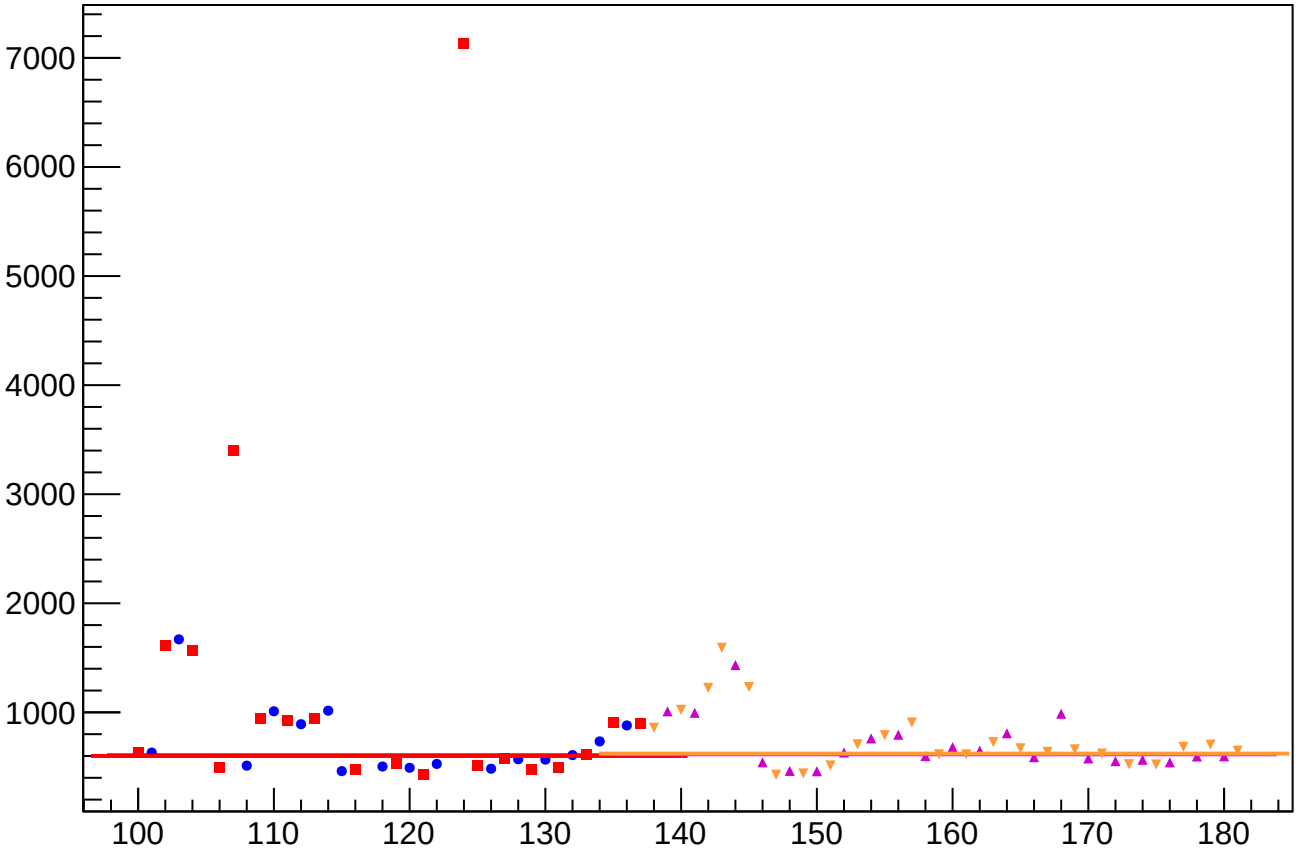
Left In: -26.039+/-153.748 χ^2/NDF:9.9/20

+ sign -203.317+/-127.959 χ^2/NDF: 54.3/38

All: -91.562+/-91.160 χ^2/NDF: 86.2/78

- sign 23.613+/-129.903 χ^2/NDF: 30.4/39

asym_at1_avg_eigen_dit_correction_rms vs Slug



Right In: 605.429+/-0.168 χ^2/NDF: 1162462.4/15

Left Out: 621.566+/-0.108 χ^2/NDF:2704758.5/22

Right Out: 600.446+/-0.172 χ^2/NDF: 2328531.9/18

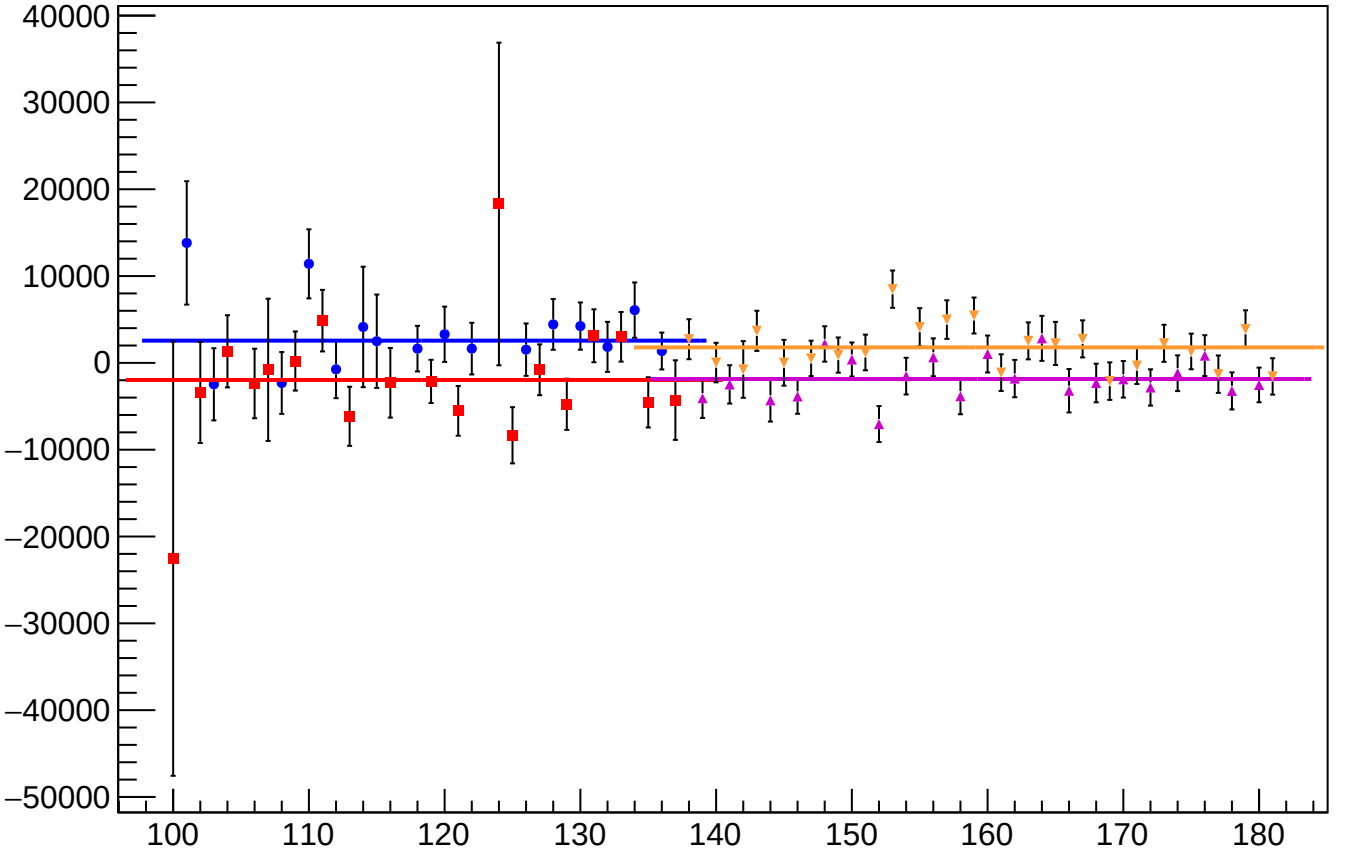
Left In: 615.661+/-0.109 χ^2/NDF:2053438.6/20

+ sign 616.858+/-0.090 χ^2/NDF: 3873793.1/38

All: 614.124+/-0.064 χ^2/NDF: 8263221.1/78

- sign 611.307+/-0.092 χ^2/NDF: 4387574.4/39

asym_at1_avg_mean vs Slug



Right In: 2560.971+/-809.658 χ^2/NDF: 14.6/15

Left Out: 1784.249+/-458.156 χ^2/NDF:31.4/22

Right Out: -1966.731+/-818.839 χ^2/NDF: 21.6/18

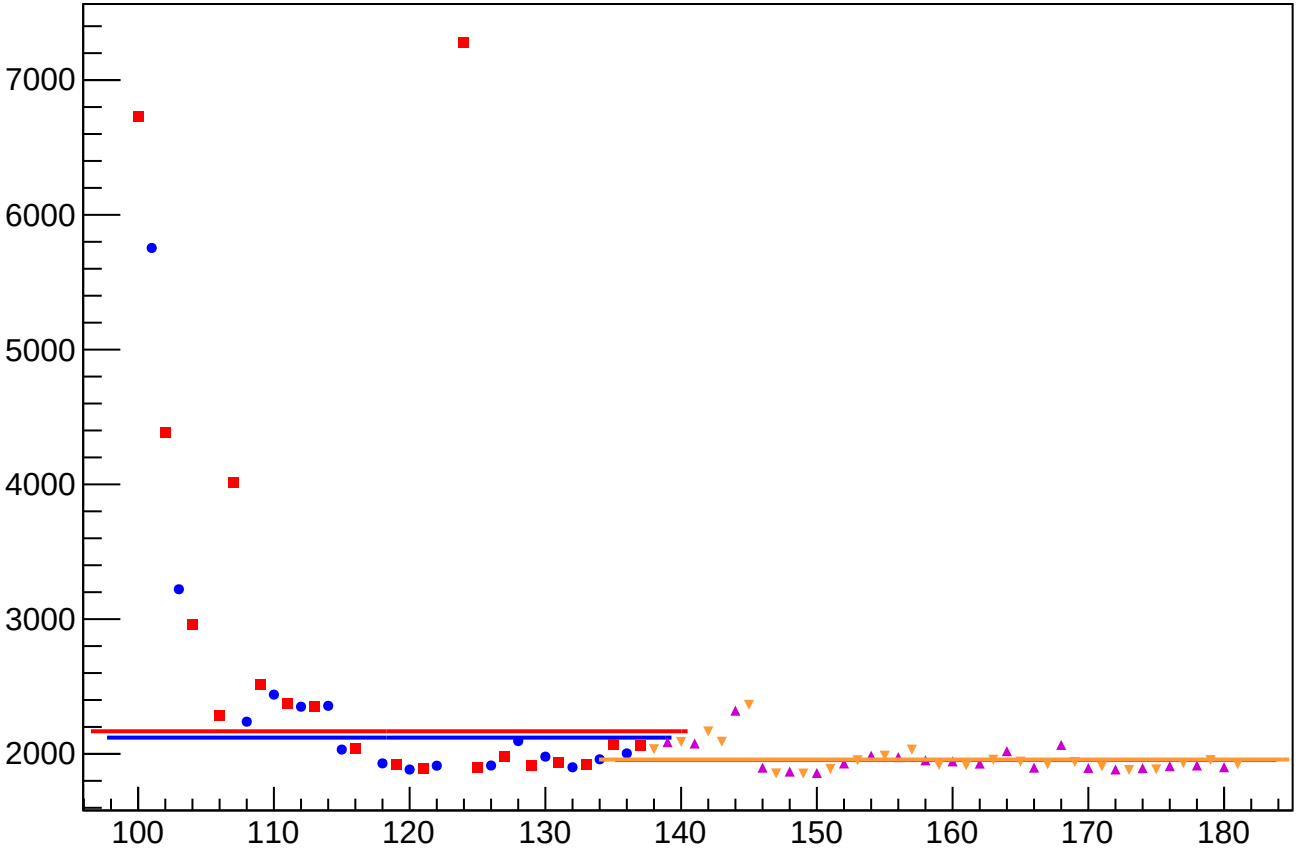
Left In: -1857.866+/-471.194 χ^2/NDF:24.4/20

+ sign 1972.635+/-398.743 χ^2/NDF: 46.7/38

All: 90.005+/-285.308 χ^2/NDF: 138.3/78

- sign -1884.947+/-408.403 χ^2/NDF: 46.0/39

asym_at1_avg_rms vs Slug



Right In: 2120.778+/-0.573 χ^2/NDF: 759969.1/15

Left Out: 1958.217+/-0.324 χ^2/NDF:95648.5/22

Right Out: 2167.840+/-0.579 χ^2/NDF: 823925.5/18

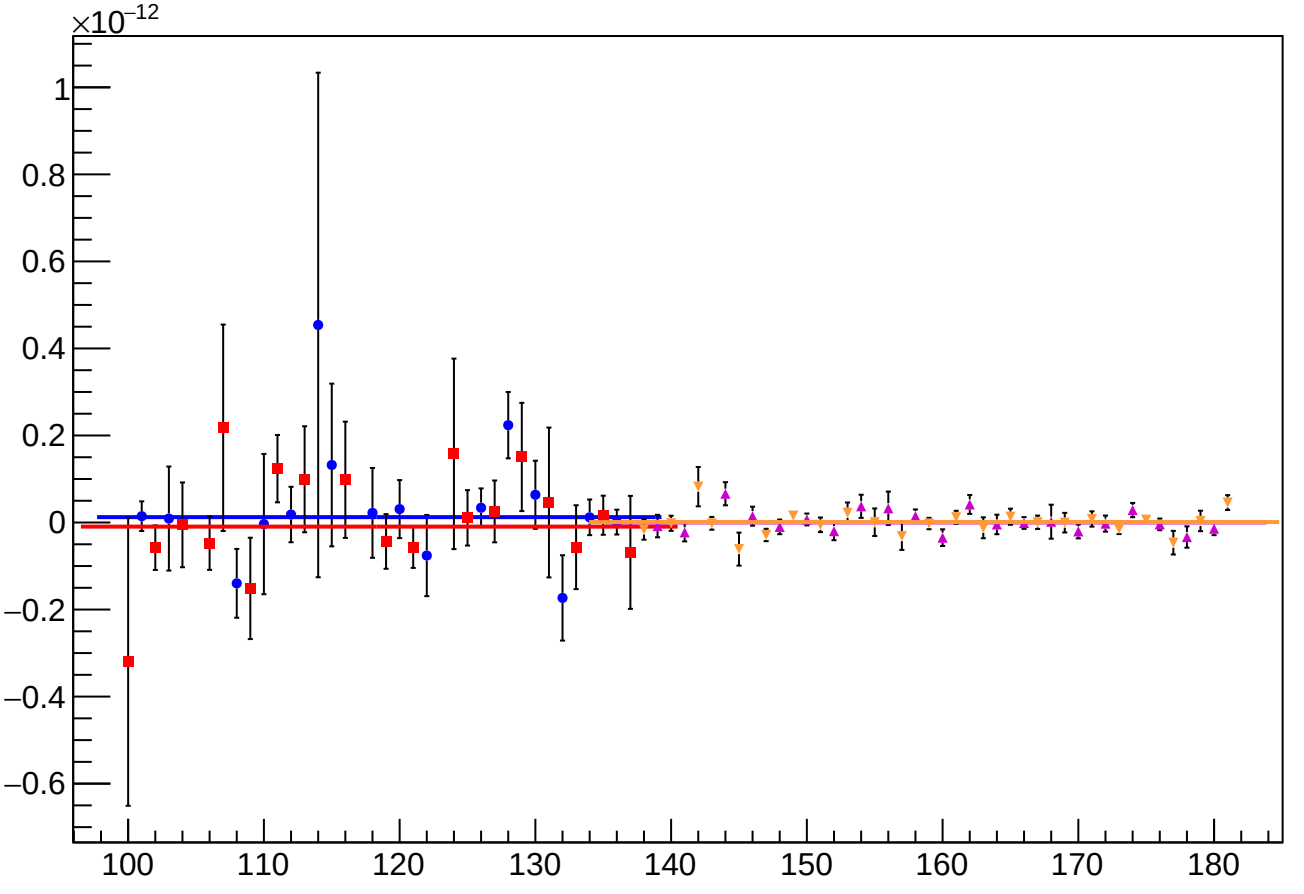
Left In: 1954.305+/-0.333 χ^2/NDF:84814.8/20

+ sign 1997.645+/-0.282 χ^2/NDF: 916686.0/38

All: 2002.417+/-0.202 χ^2/NDF: 1928189.8/78

- sign 2007.424+/-0.289 χ^2/NDF: 1010916.7/39

asym_at1_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 17.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:28.2/22

Right Out: -0.000+/-0.000 χ^2/NDF: 13.8/18

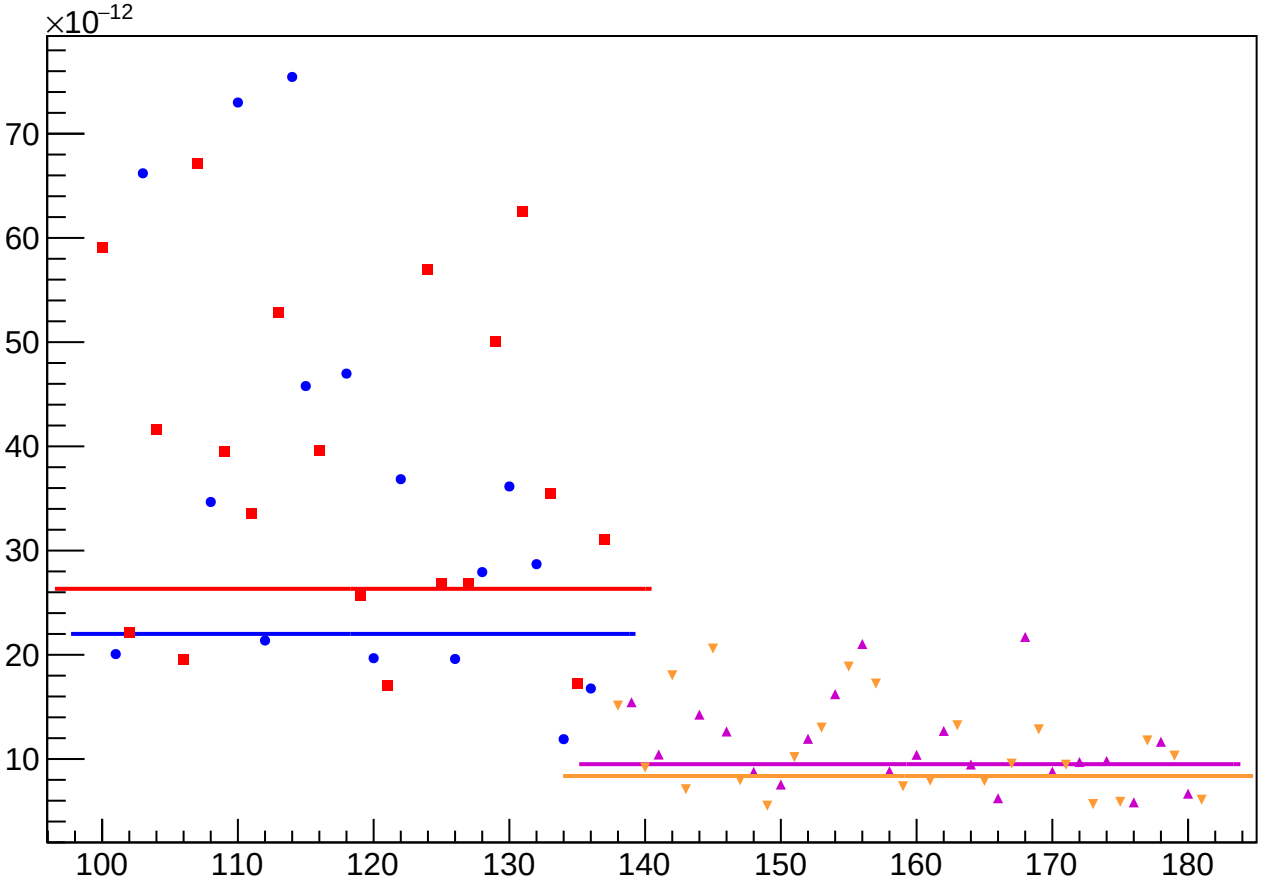
Left In: 0.000+/-0.000 χ^2/NDF:27.6/20

+ sign 0.000+/-0.000 χ^2/NDF: 46.5/38

All: 0.000+/-0.000 χ^2/NDF: 88.3/78

- sign -0.000+/-0.000 χ^2/NDF: 41.6/39

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:1614804.4/22

Right Out: 0.000+/-0.000 χ^2/NDF: 705211.2/18

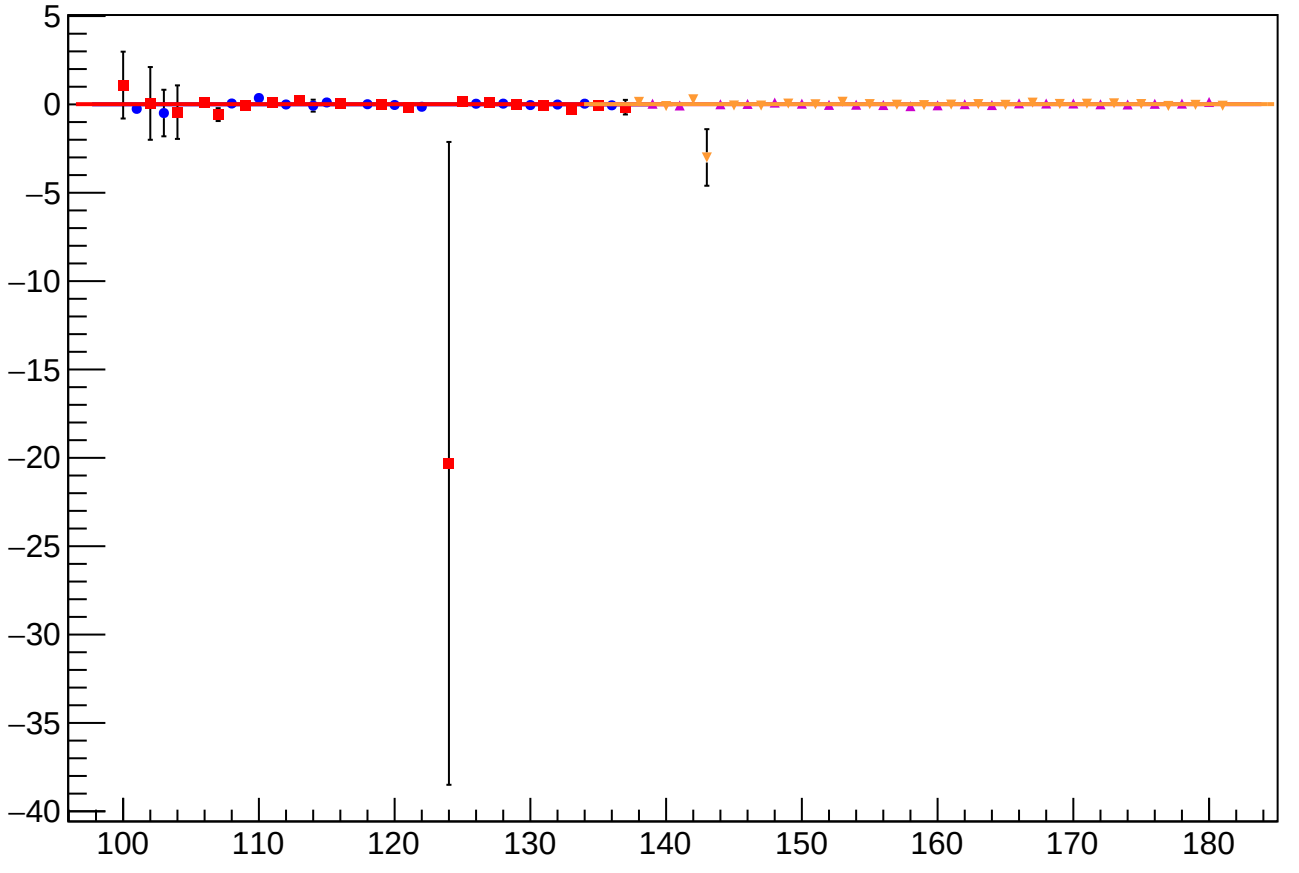
Left In: 0.000+/-0.000 χ^2/NDF:1199547.5/20

+ sign 0.000+/-0.000 χ^2/NDF: 4269294.8/38

All: 0.000+/-0.000 χ^2/NDF: 7939418.5/78

- sign 0.000+/-0.000 χ^2/NDF: 3561076.3/39

asym_at1_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.014+/-0.013 χ^2/NDF:28.3/22

Right Out: 0.013+/-0.026 χ^2/NDF: 17.6/18

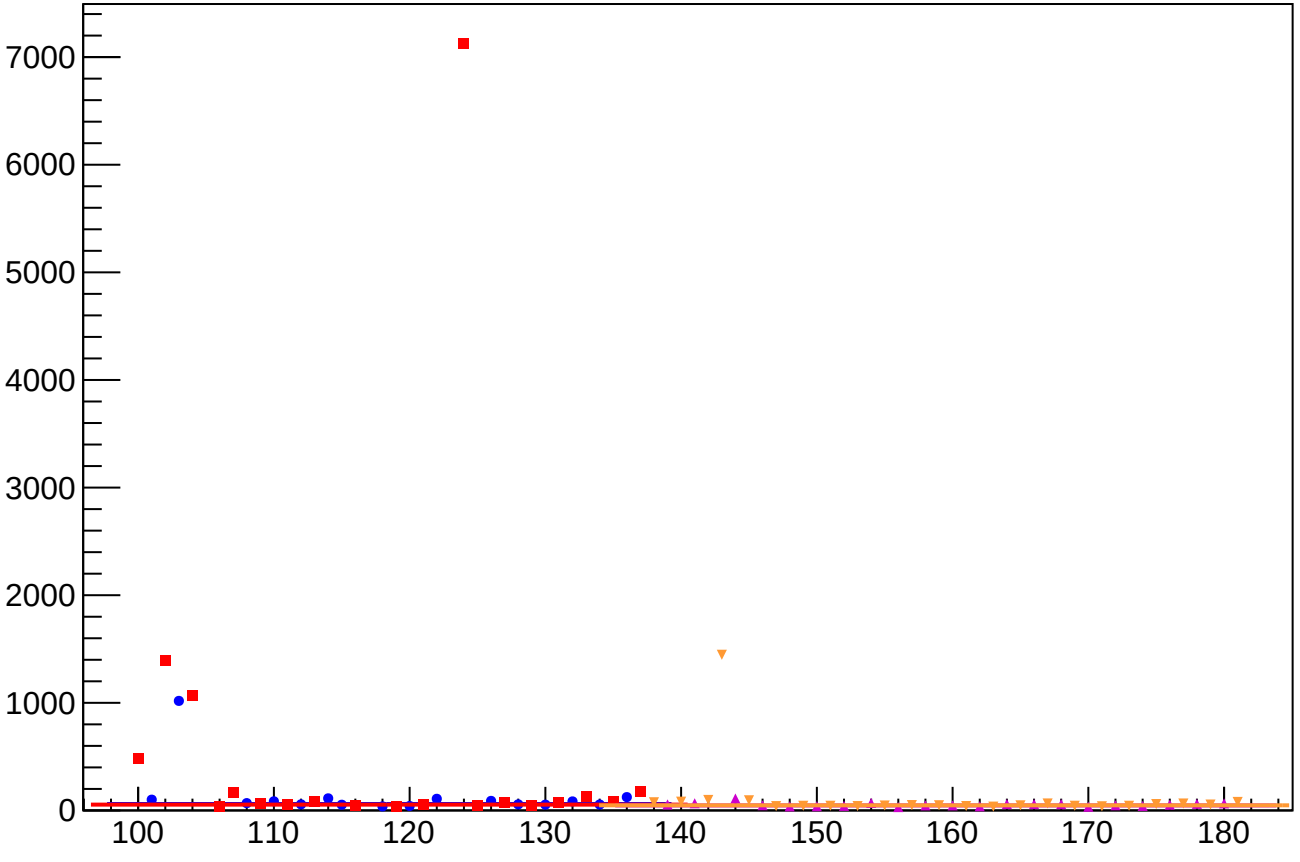
Left In: 0.013+/-0.013 χ^2/NDF:17.8/20

+ sign 0.012+/-0.012 χ^2/NDF: 39.8/38

All: 0.013+/-0.008 χ^2/NDF: 75.2/78

- sign 0.013+/-0.011 χ^2/NDF: 35.4/39

asym_at1_avg_dit_vs_cor_diff_rms vs Slug



Right In: 59.840+/-0.019 χ^2/NDF: 2538867.4/15

Left Out: 47.757+/-0.009 χ^2/NDF:3430195.1/22

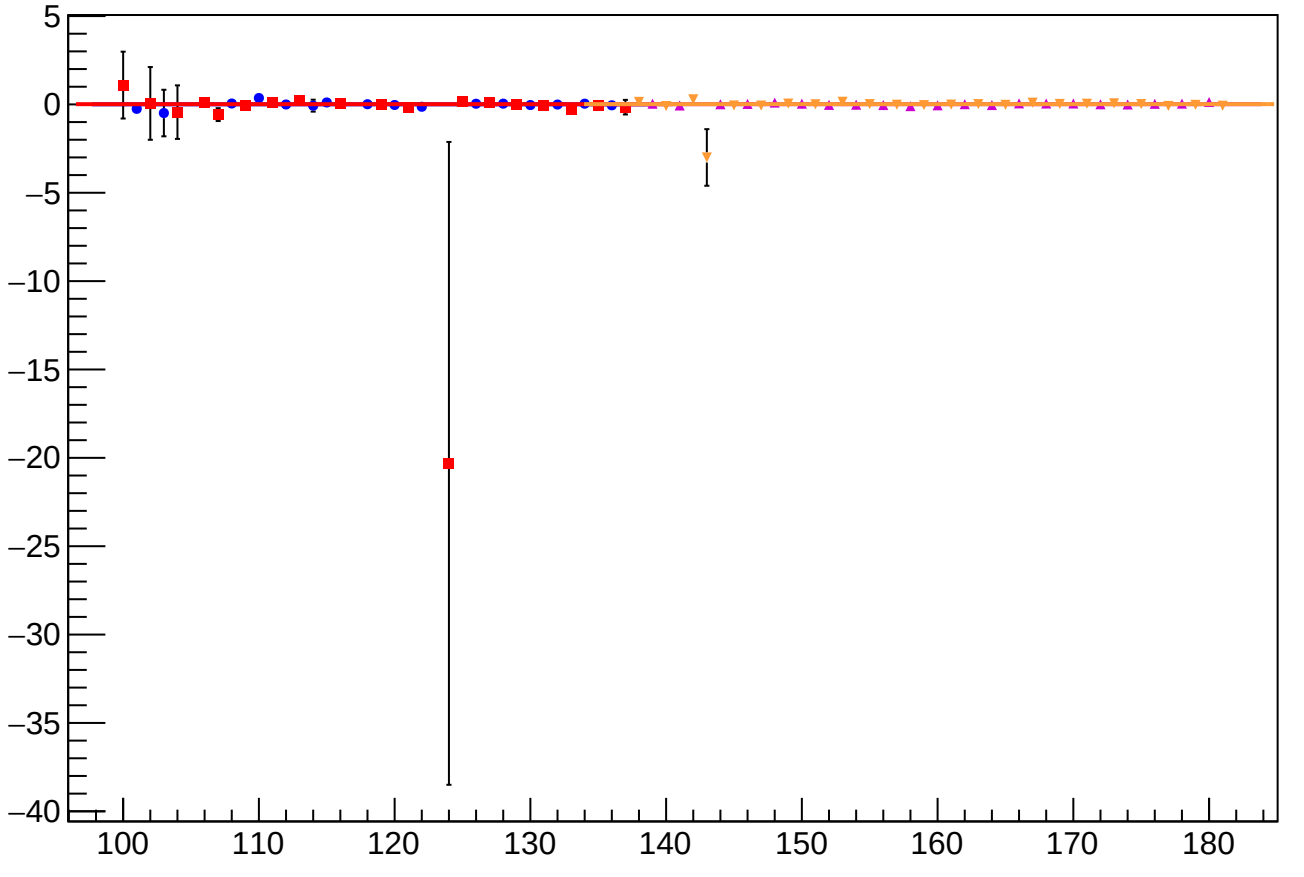
Right Out: 54.249+/-0.018 χ^2/NDF: 3521580.5/18

Left In: 46.648+/-0.009 χ^2/NDF:1945409.9/20

+ sign 50.014+/-0.008 χ^2/NDF: 6301683.8/38

All: 49.050+/-0.006 χ^2/NDF: 11935963.4/78

- sign 48.118+/-0.008 χ^2/NDF: 5606872.3/39



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.014+/-0.013 χ^2/NDF:28.3/22

Right Out: 0.013+/-0.026 χ^2/NDF: 17.6/18

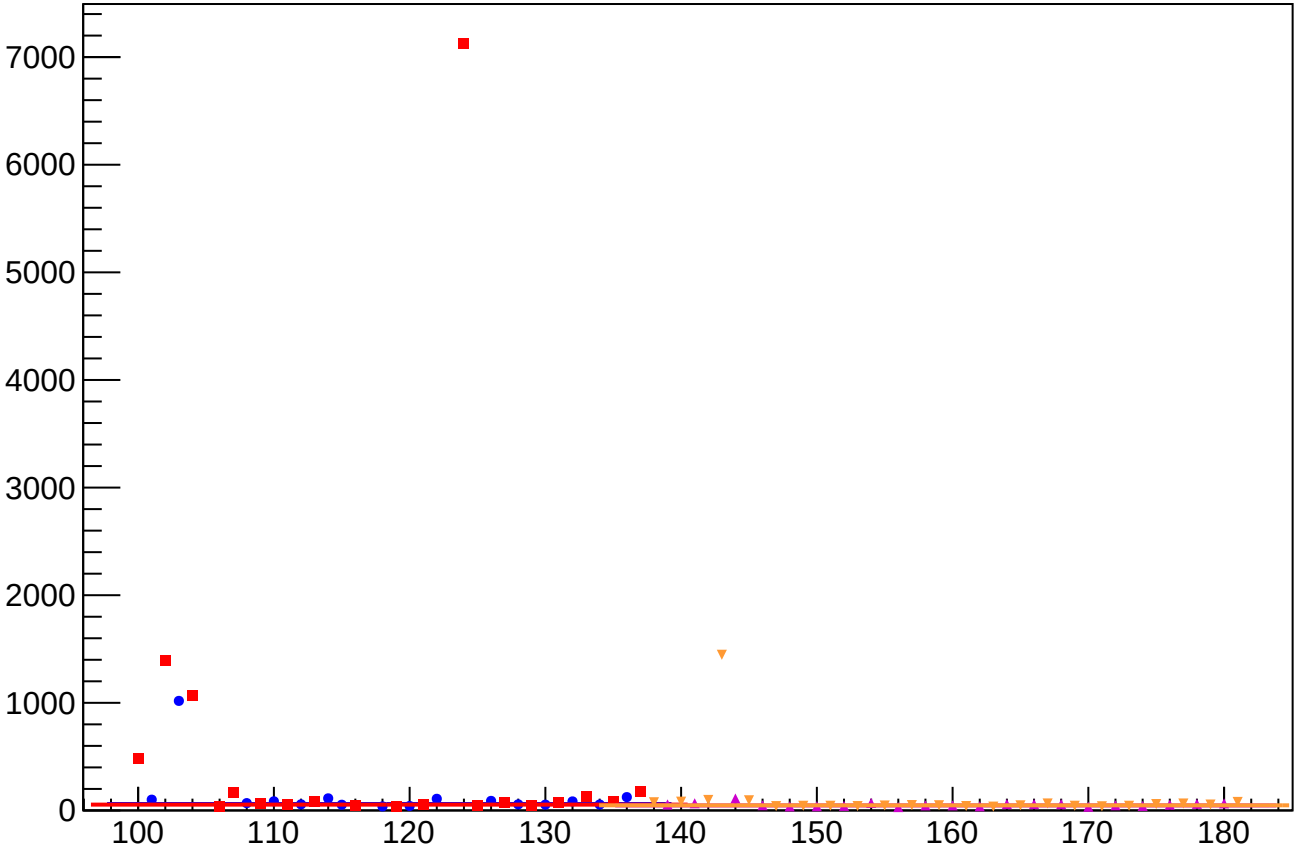
Left In: 0.013+/-0.013 χ^2/NDF:17.8/20

+ sign 0.012+/-0.012 χ^2/NDF: 39.8/38

All: 0.013+/-0.008 χ^2/NDF: 75.2/78

- sign 0.013+/-0.011 χ^2/NDF: 35.4/39

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: 47.757+/-0.009 χ^2/NDF:3430195.1/22

Right Out: 54.249+/-0.018 χ^2/NDF: 3521580.5/18

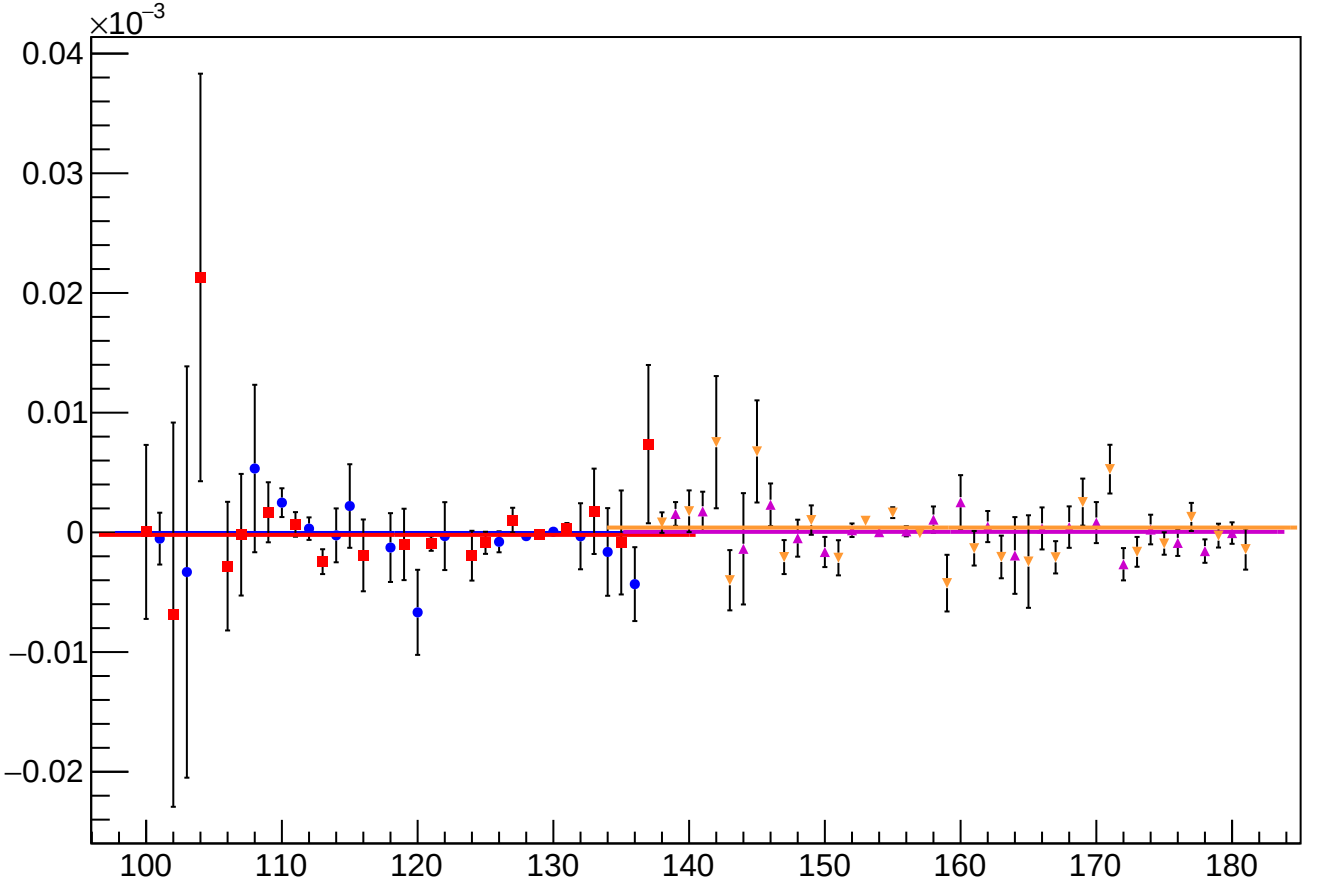
Left In: 46.648+/-0.009 χ^2/NDF:1945409.9/20

+ sign 50.014+/-0.008 χ^2/NDF: 6301683.8/38

All: 49.050+/-0.006 χ^2/NDF: 11935963.4/78

- sign 48.118+/-0.008 χ^2/NDF: 5606872.3/39

asym_at1_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 12.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:49.9/22

Right Out: -0.000+/-0.000 χ^2/NDF: 15.6/18

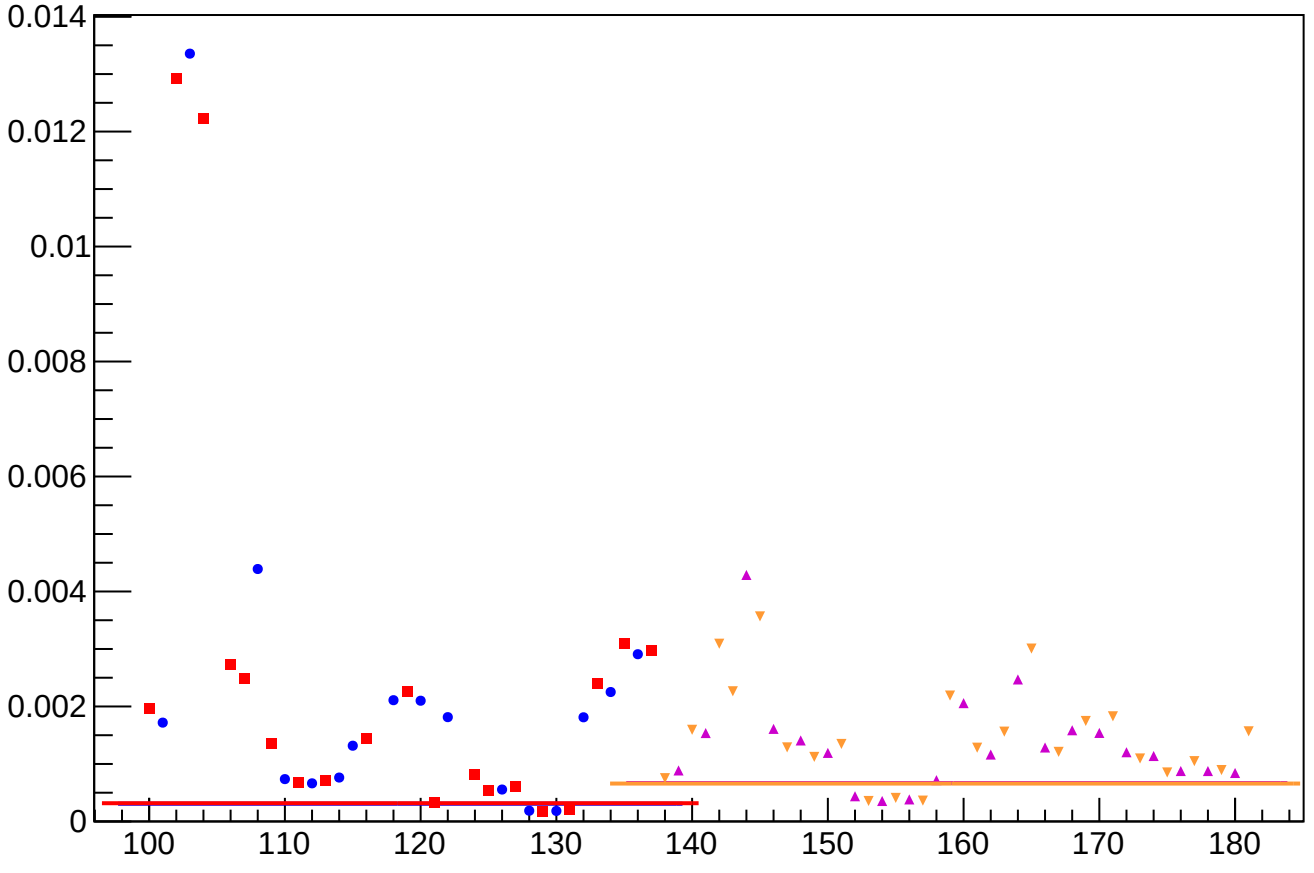
Left In: 0.000+/-0.000 χ^2/NDF:17.4/20

+ sign 0.000+/-0.000 χ^2/NDF: 65.5/38

All: 0.000+/-0.000 χ^2/NDF: 101.2/78

- sign -0.000+/-0.000 χ^2/NDF: 33.8/39

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:12065239.0/22

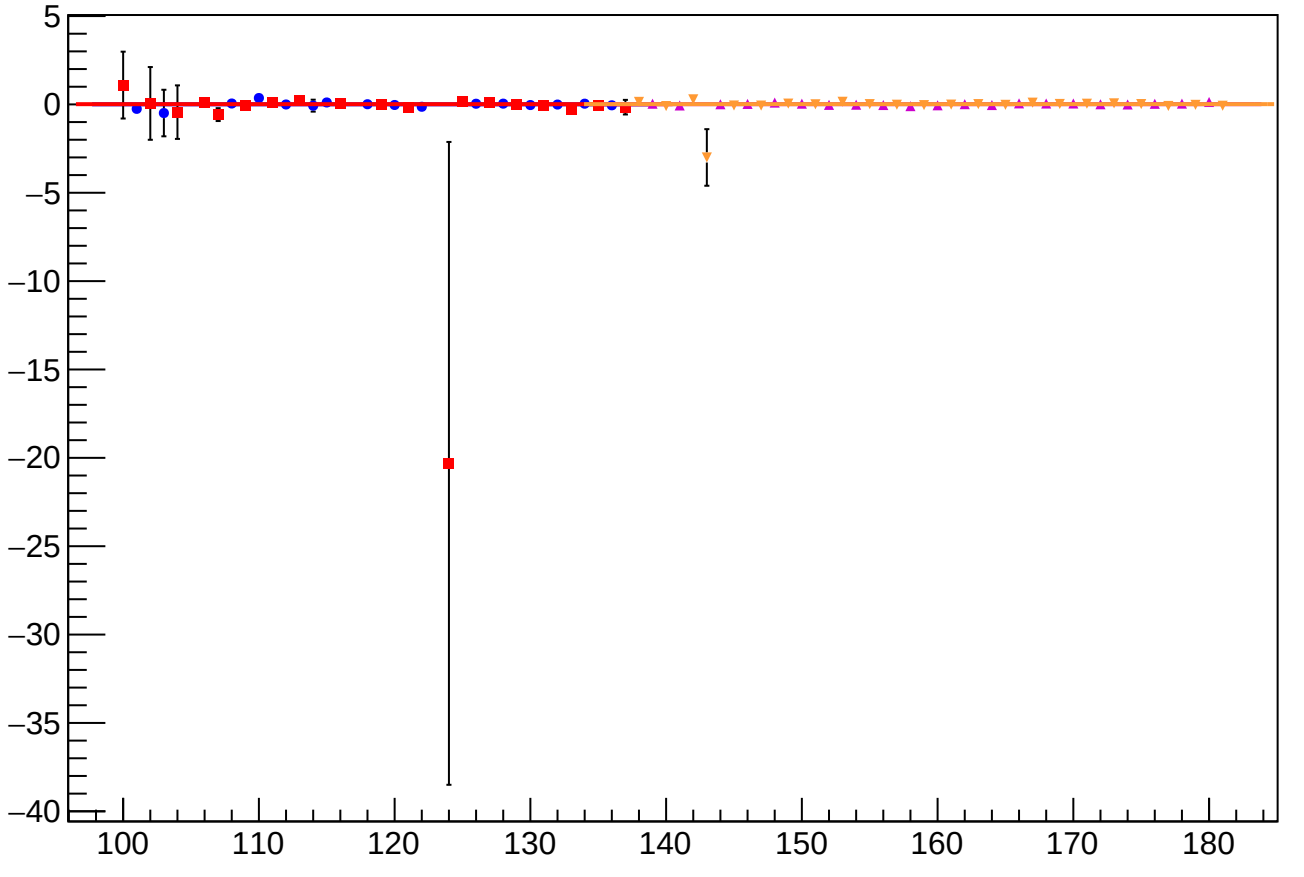
Right Out: 0.000+/-0.000 χ^2/NDF: 8015537.3/18

Left In: 0.001+/-0.000 χ^2/NDF:9667555.2/20

+ sign 0.000+/-0.000 χ^2/NDF: 24141964.4/38

All: 0.000+/-0.000 χ^2/NDF: 45045124.8/78

- sign 0.000+/-0.000 χ^2/NDF: 20902924.4/39



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.014+/-0.013 χ^2/NDF:28.3/22

Right Out: 0.013+/-0.026 χ^2/NDF: 17.6/18

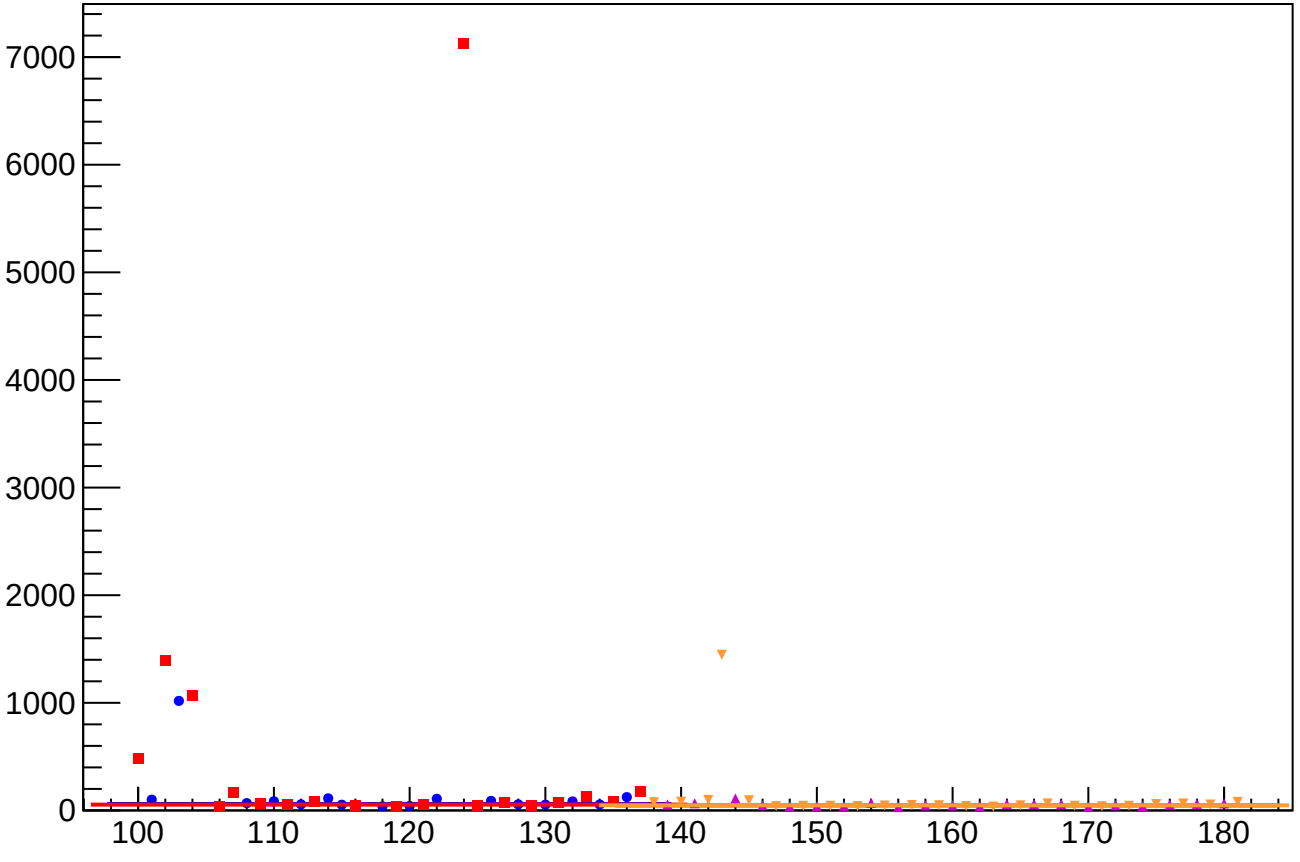
Left In: 0.013+/-0.013 χ^2/NDF:17.8/20

+ sign 0.012+/-0.012 χ^2/NDF: 39.8/38

All: 0.013+/-0.008 χ^2/NDF: 75.2/78

- sign 0.013+/-0.011 χ^2/NDF: 35.4/39

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: 47.758+/-0.009 χ^2/NDF:3430171.7/22

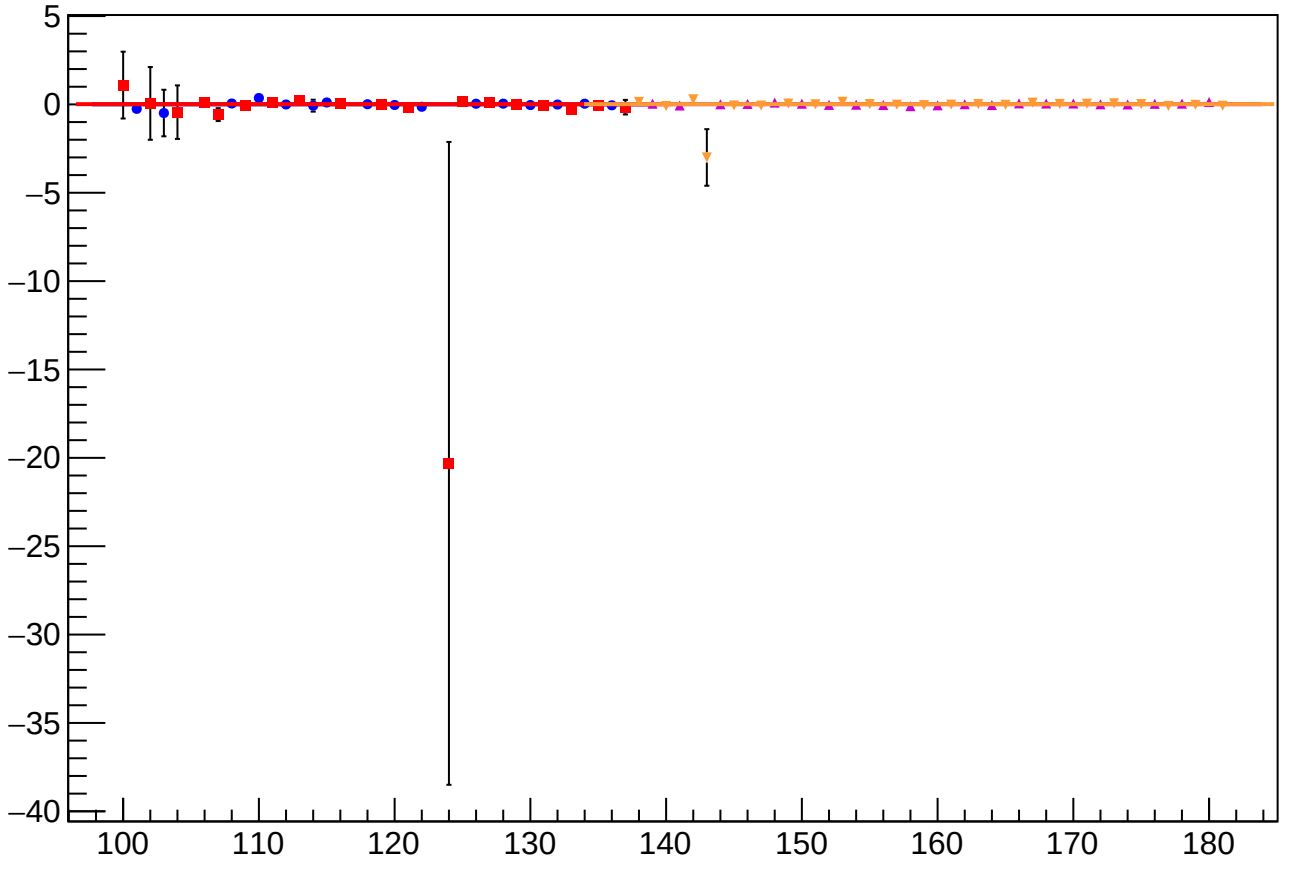
Right Out: 54.248+/-0.018 χ^2/NDF: 3521640.4/18

Left In: 46.648+/-0.009 χ^2/NDF:1945404.4/20

+ sign 50.014+/-0.008 χ^2/NDF: 6301651.9/38

All: 49.050+/-0.006 χ^2/NDF: 11935960.9/78

- sign 48.118+/-0.008 χ^2/NDF: 5606891.7/39



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.014+/-0.013 χ^2/NDF:28.3/22

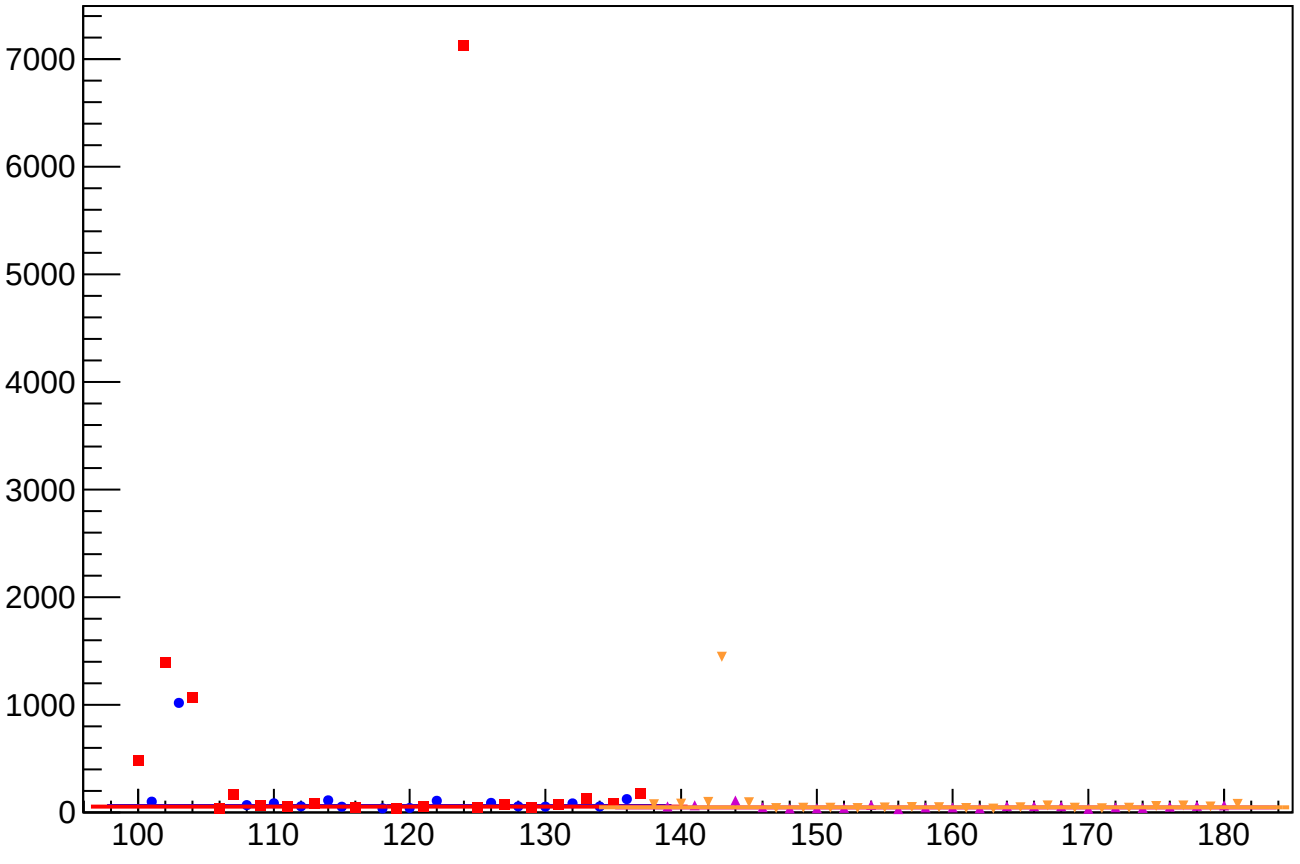
Right Out: 0.013+/-0.026 χ^2/NDF: 17.6/18

Left In: 0.013+/-0.013 χ^2/NDF:17.8/20

+ sign 0.012+/-0.012 χ^2/NDF: 39.8/38

All: 0.013+/-0.008 χ^2/NDF: 75.2/78

- sign 0.013+/-0.011 χ^2/NDF: 35.4/39



Right In: 59.839+/-0.019 χ^2/NDF: 2538881.2/15

Left Out: 47.758+/-0.009 χ^2/NDF:3430171.7/22

Right Out: 54.248+/-0.018 χ^2/NDF: 3521640.4/18

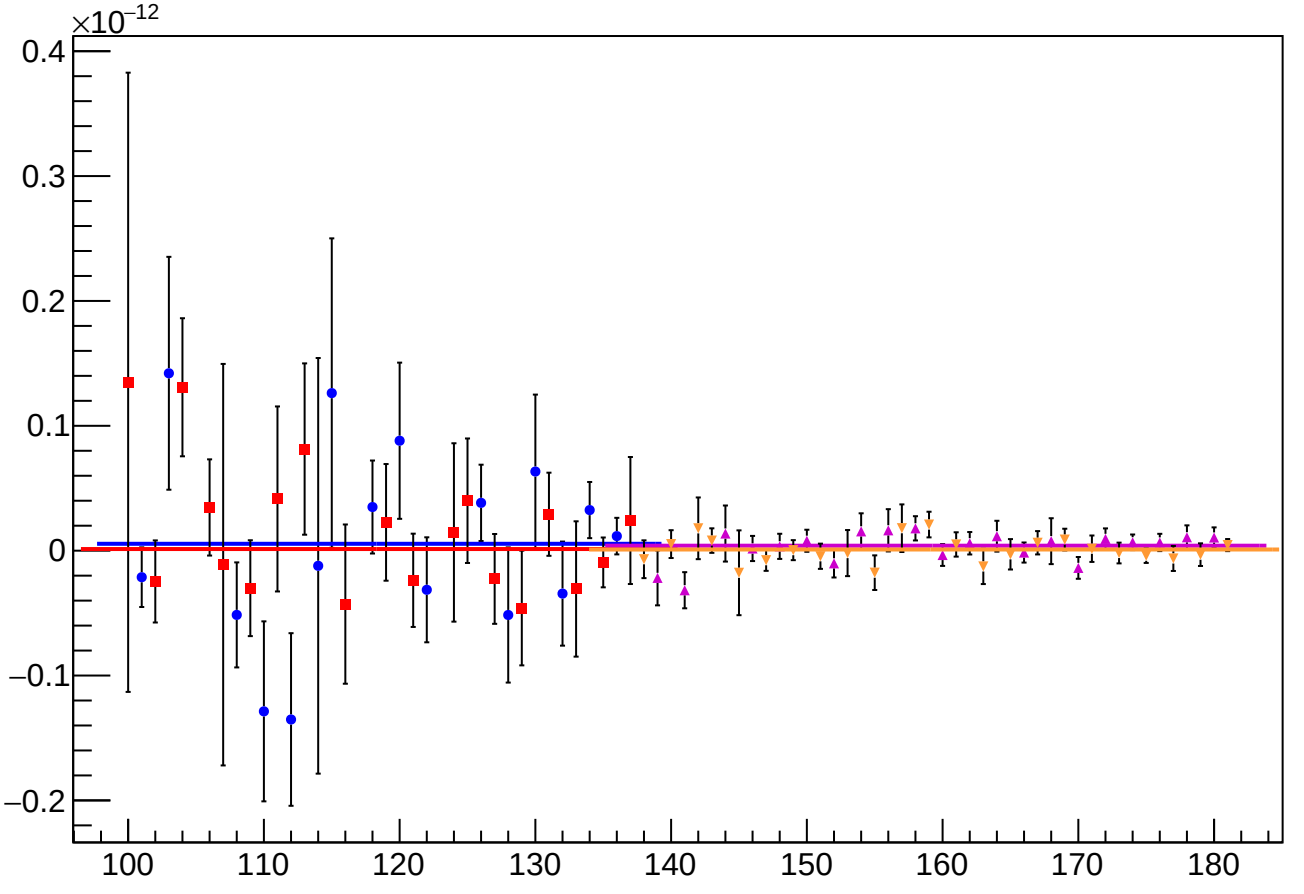
Left In: 46.648+/-0.009 χ^2/NDF:1945404.4/20

+ sign 50.014+/-0.008 χ^2/NDF: 6301651.9/38

All: 49.050+/-0.006 χ^2/NDF: 11935960.9/78

- sign 48.118+/-0.008 χ^2/NDF: 5606891.7/39

asym_at1_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.9/22

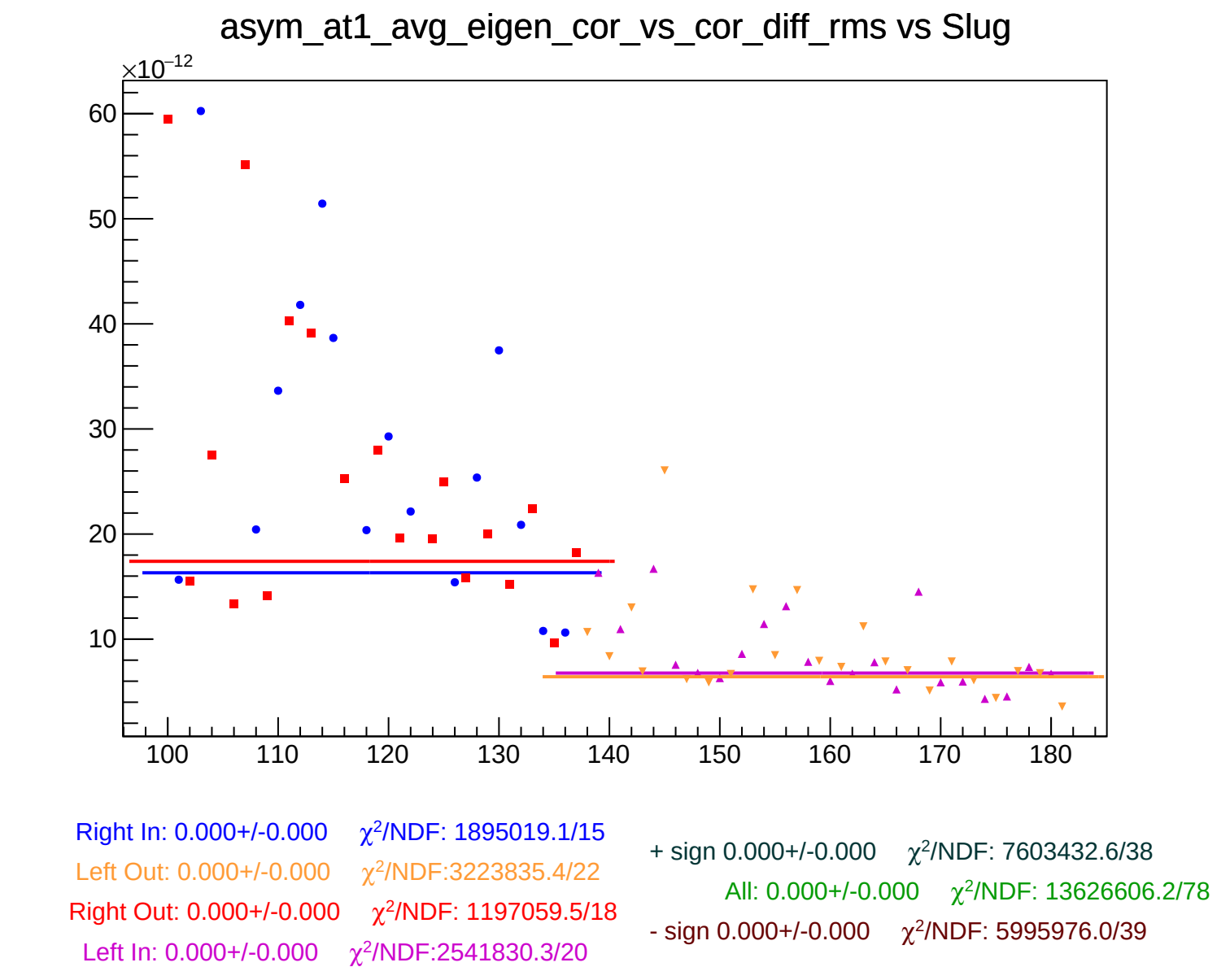
Right Out: 0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: 0.000+/-0.000 χ^2/NDF:20.4/20

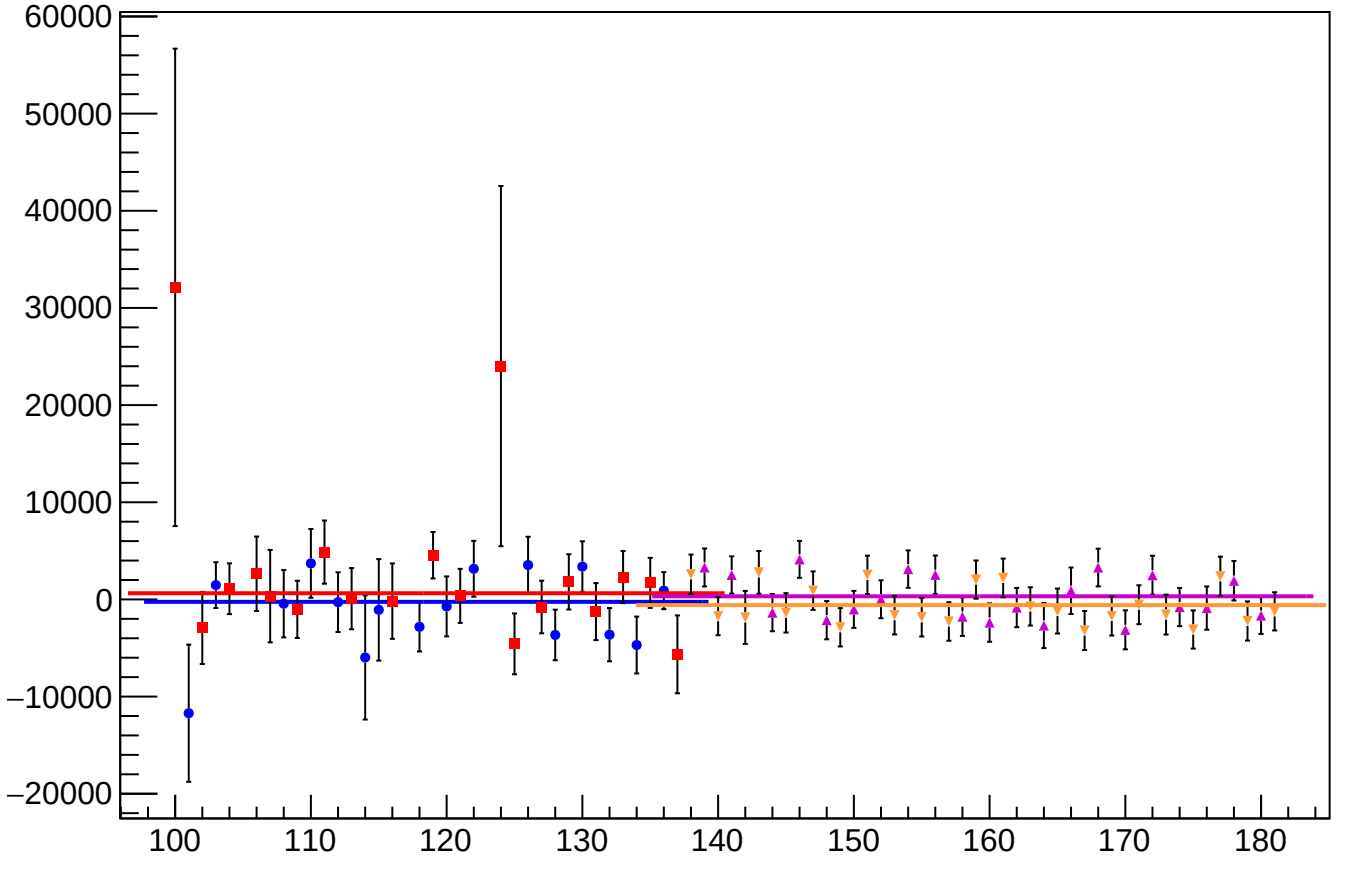
+ sign 0.000+/-0.000 χ^2/NDF: 36.8/38

All: 0.000+/-0.000 χ^2/NDF: 72.4/78

- sign 0.000+/-0.000 χ^2/NDF: 34.7/39


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:3223835.4/22
Right Out: 0.000+/-0.000 χ²/NDF: 1197059.5/18
Left In: 0.000+/-0.000 χ²/NDF:2541830.3/20
+ sign 0.000+/-0.000 χ²/NDF: 7603432.6/38
All: 0.000+/-0.000 χ²/NDF: 13626606.2/78
- sign 0.000+/-0.000 χ²/NDF: 5995976.0/39

reg_asym_at1_dd_mean vs Slug



Right In: -251.297+/-735.111 χ^2/NDF: 17.3/15

Left Out: -587.744+/-424.053 χ^2/NDF:21.9/22

Right Out: 636.082+/-735.477 χ^2/NDF: 15.9/18

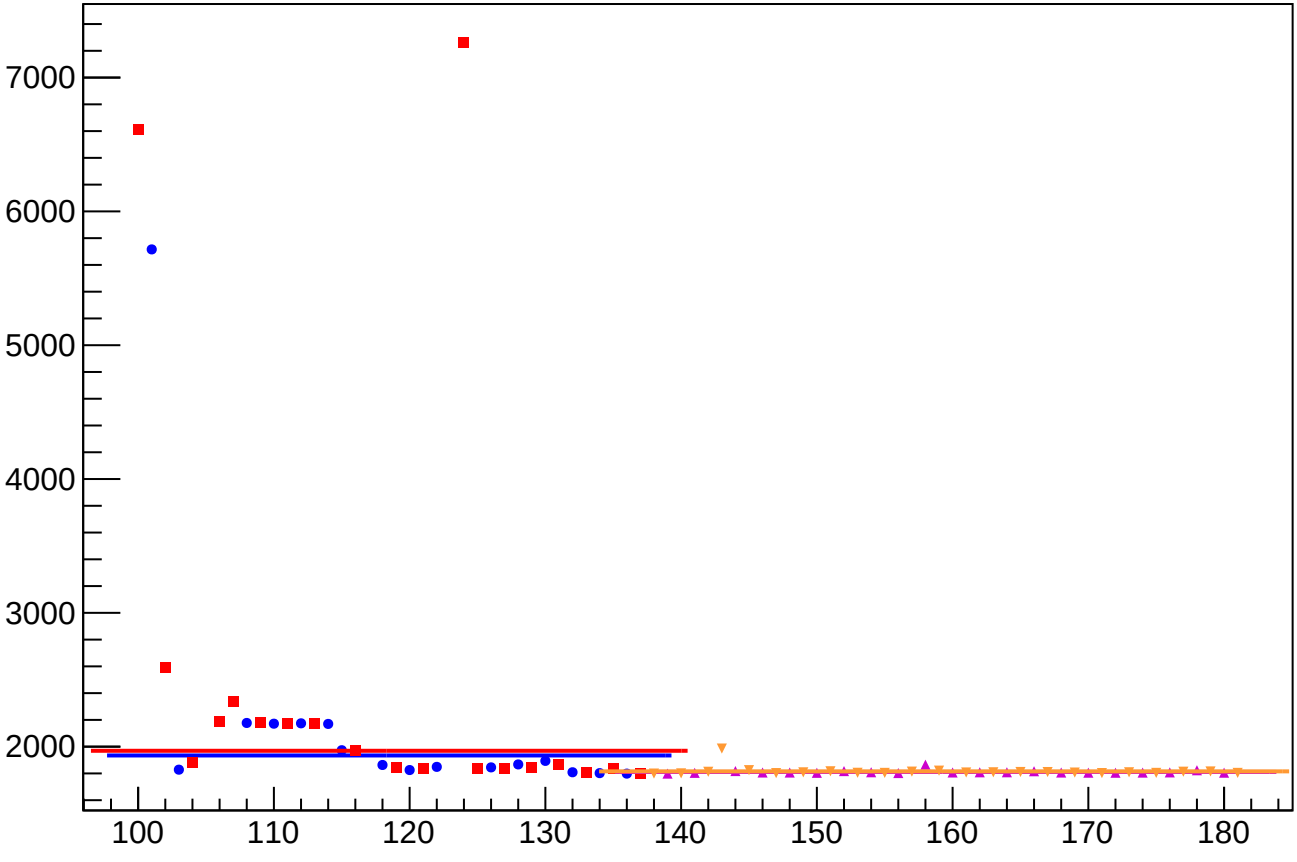
Left In: 320.699+/-435.995 χ^2/NDF:27.6/20

+ sign -503.740+/-367.319 χ^2/NDF: 39.3/38

All: -59.951+/-262.424 χ^2/NDF: 85.9/78

- sign 402.710+/-375.048 χ^2/NDF: 43.7/39

reg_asym_at1_dd_rms vs Slug



Right In: 1934.217+/-0.520 χ^2/NDF: 639920.0/15

Left Out: 1815.370+/-0.300 χ^2/NDF:12925.5/22

Right Out: 1969.204+/-0.520 χ^2/NDF: 378378.8/18

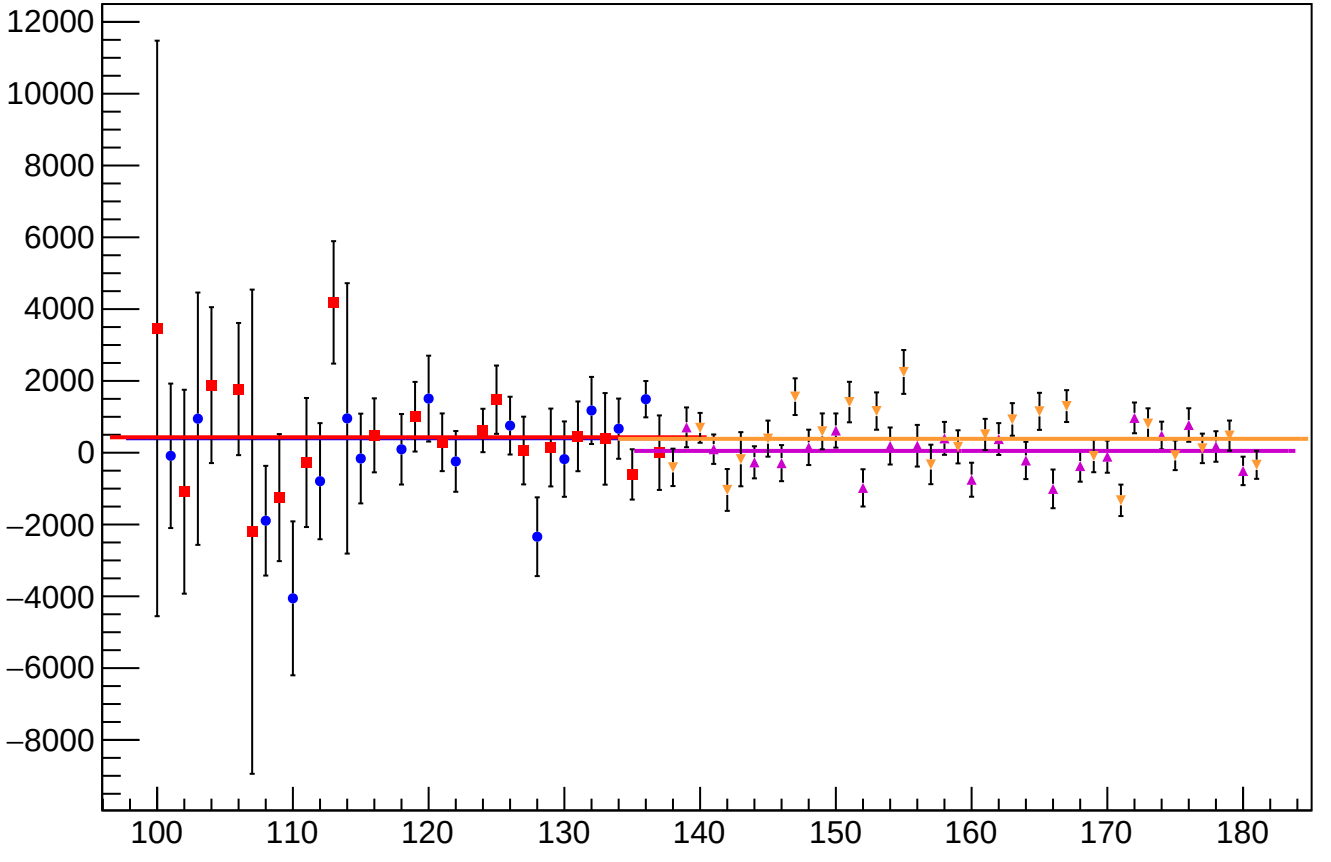
Left In: 1811.078+/-0.308 χ^2/NDF:1899.7/20

+ sign 1845.043+/-0.260 χ^2/NDF: 692068.9/38

All: 1848.545+/-0.186 χ^2/NDF: 1141127.6/78

- sign 1852.196+/-0.265 χ^2/NDF: 448687.4/39

asym_at1_dd_reg_correction_mean vs Slug



Right In: 402.626+/-258.574 χ^2/NDF: 21.1/15

Left Out: 386.770+/-98.970 χ^2/NDF:62.0/22

Right Out: 430.066+/-252.823 χ^2/NDF: 11.7/18

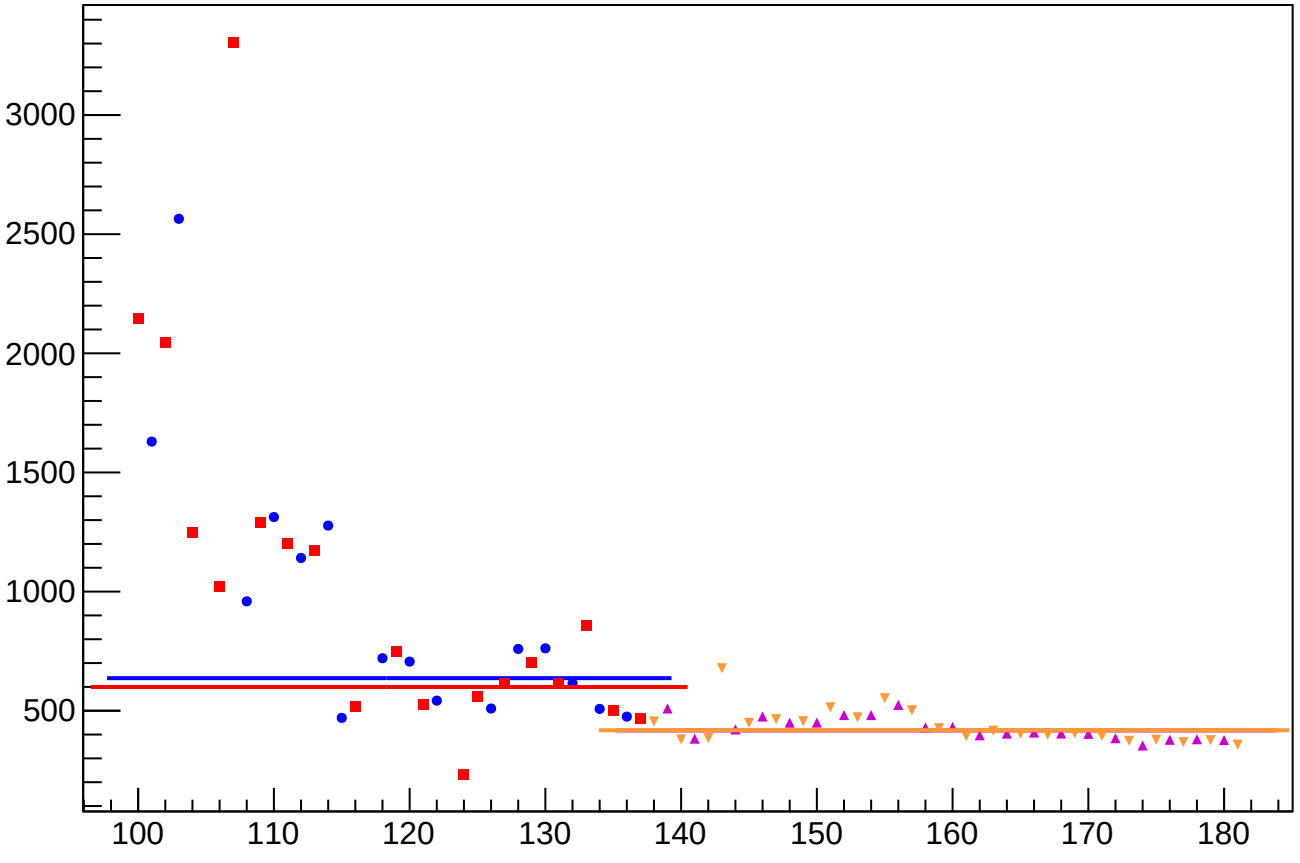
Left In: 50.249+/-101.294 χ^2/NDF:27.4/20

+ sign 388.796+/-92.431 χ^2/NDF: 83.2/38

All: 248.241+/-65.916 χ^2/NDF: 128.9/78

- sign 102.785+/-94.028 χ^2/NDF: 41.1/39

asym_at1_dd_reg_correction_rms vs Slug



Right In: 636.700+/-0.183 χ^2/NDF: 2066891.4/15

Left Out: 418.161+/-0.070 χ^2/NDF:687639.2/22

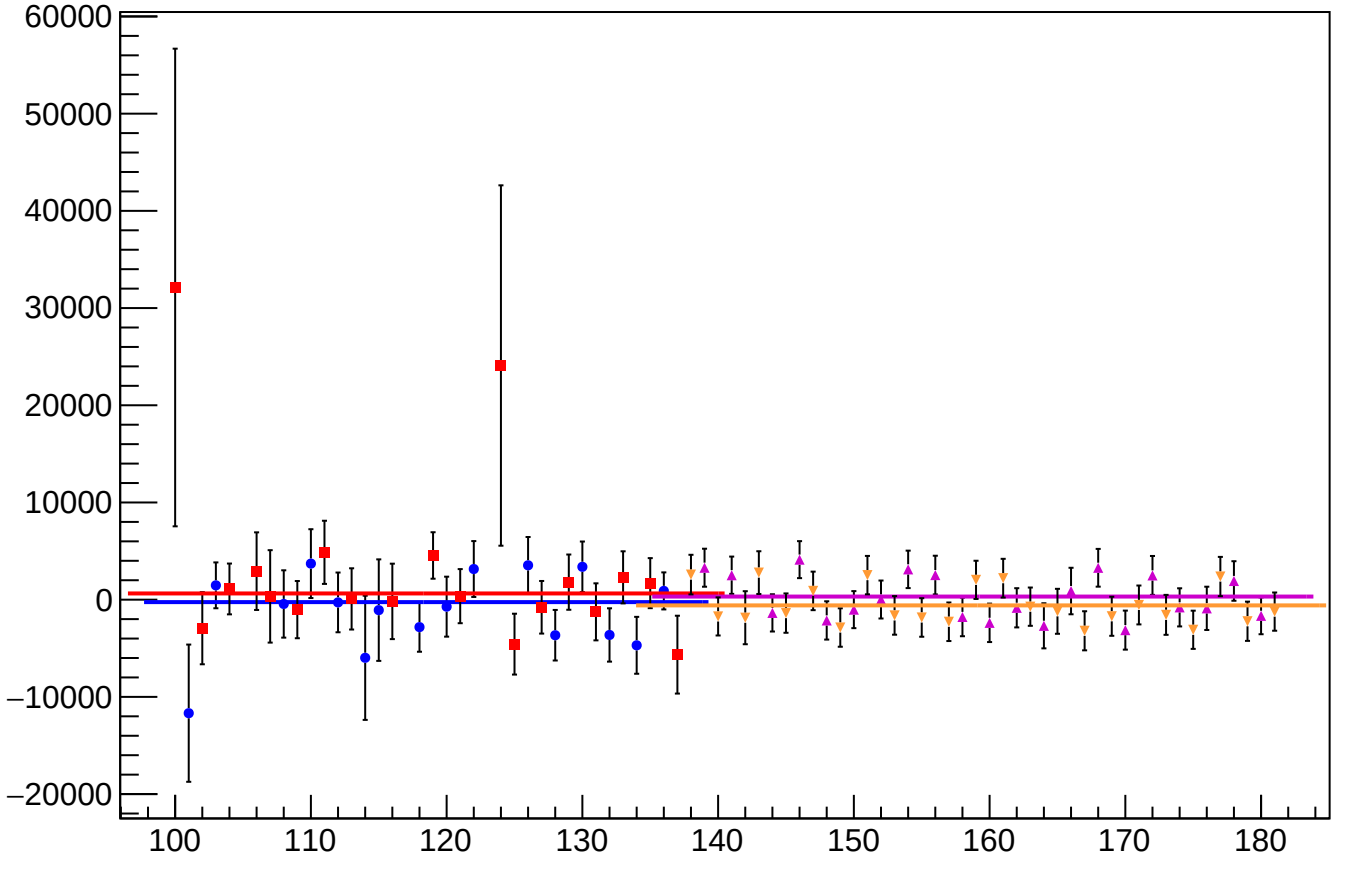
Right Out: 599.631+/-0.179 χ^2/NDF: 2944100.6/18

Left In: 417.215+/-0.072 χ^2/NDF:373905.3/20

+ sign 446.086+/-0.065 χ^2/NDF: 4000608.5/38

All: 444.297+/-0.047 χ^2/NDF: 8217291.1/78

- sign 442.447+/-0.066 χ^2/NDF: 4215159.6/39



Right In: -250.487+/-735.112 χ^2/NDF: 17.2/15

Left Out: -587.754+/-424.053 χ^2/NDF:21.8/22

Right Out: 640.865+/-736.549 χ^2/NDF: 16.0/18

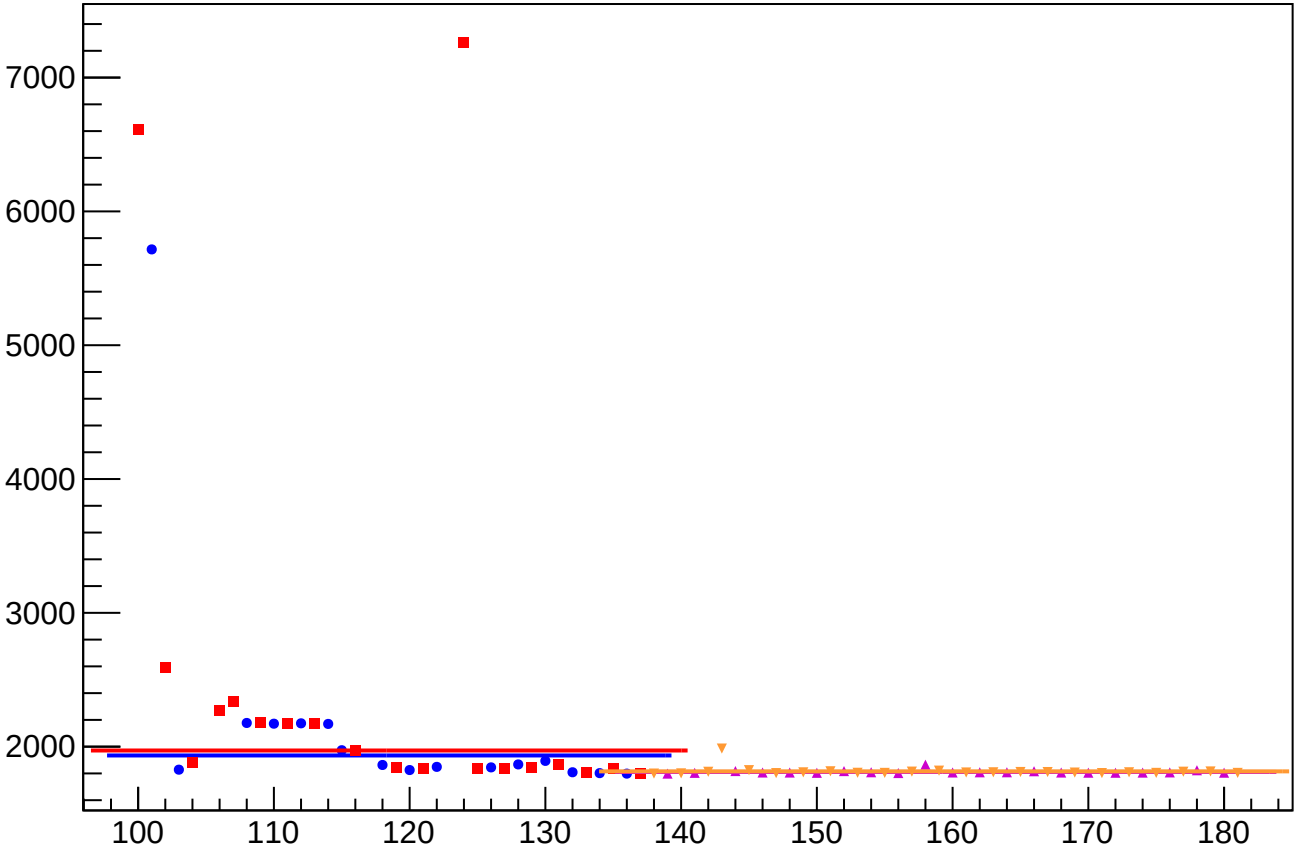
Left In: 320.701+/-435.995 χ^2/NDF:27.6/20

+ sign -503.546+/-367.319 χ^2/NDF: 39.2/38

All: -59.501+/-262.472 χ^2/NDF: 86.0/78

- sign 403.776+/-375.190 χ^2/NDF: 43.7/39

cor_asym_at1_dd_rms vs Slug



Right In: 1934.217+/-0.520 χ^2/NDF: 639919.9/15

Left Out: 1815.370+/-0.300 χ^2/NDF:12925.5/22

Right Out: 1971.357+/-0.521 χ^2/NDF: 383176.6/18

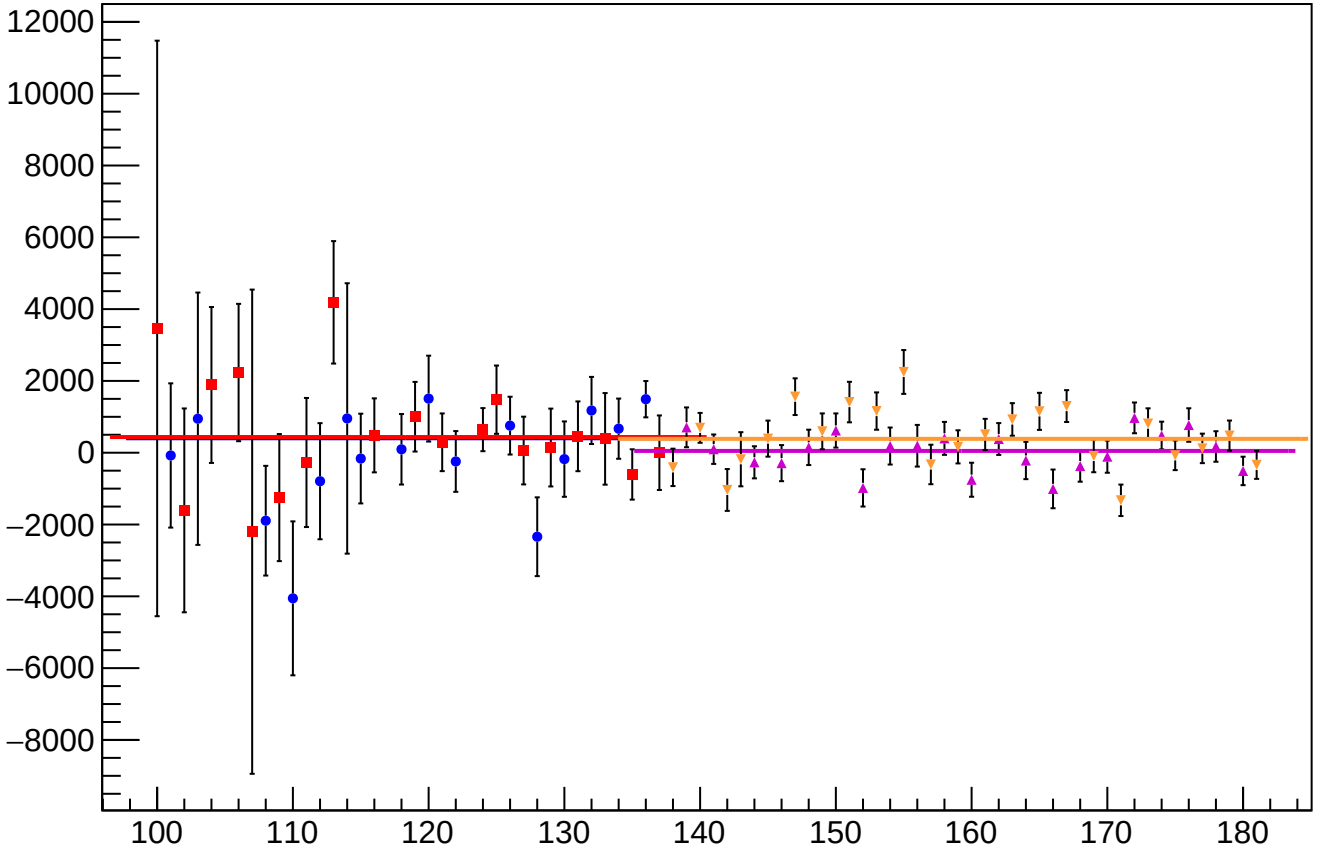
Left In: 1811.078+/-0.308 χ^2/NDF:1899.7/20

+ sign 1845.043+/-0.260 χ^2/NDF: 692068.8/38

All: 1848.774+/-0.186 χ^2/NDF: 1147699.5/78

- sign 1852.667+/-0.265 χ^2/NDF: 455209.1/39

asym_at1_dd_cor_correction_mean vs Slug



Right In: 402.701+/-258.564 χ^2/NDF: 21.1/15

Left Out: 386.758+/-98.970 χ^2/NDF:62.0/22

Right Out: 436.691+/-252.672 χ^2/NDF: 12.4/18

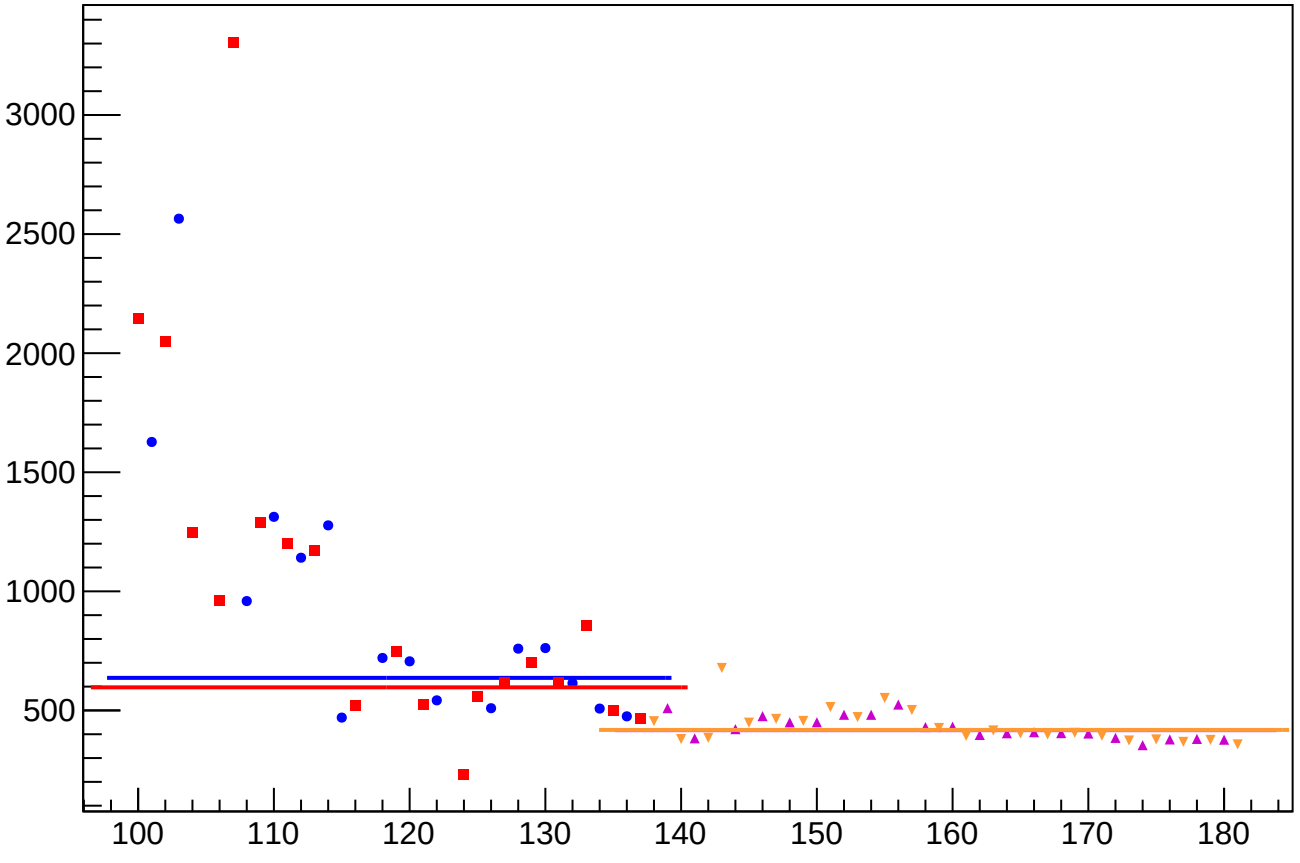
Left In: 50.229+/-101.293 χ^2/NDF:27.4/20

+ sign 388.795+/-92.431 χ^2/NDF: 83.2/38

All: 248.696+/-65.913 χ^2/NDF: 129.6/78

- sign 103.738+/-94.020 χ^2/NDF: 41.8/39

asym_at1_dd_cor_correction_rms vs Slug



Right In: 636.698+/-0.183 χ^2/NDF: 2066022.1/15

Left Out: 418.163+/-0.070 χ^2/NDF:687552.8/22

Right Out: 596.862+/-0.179 χ^2/NDF: 2930443.7/18

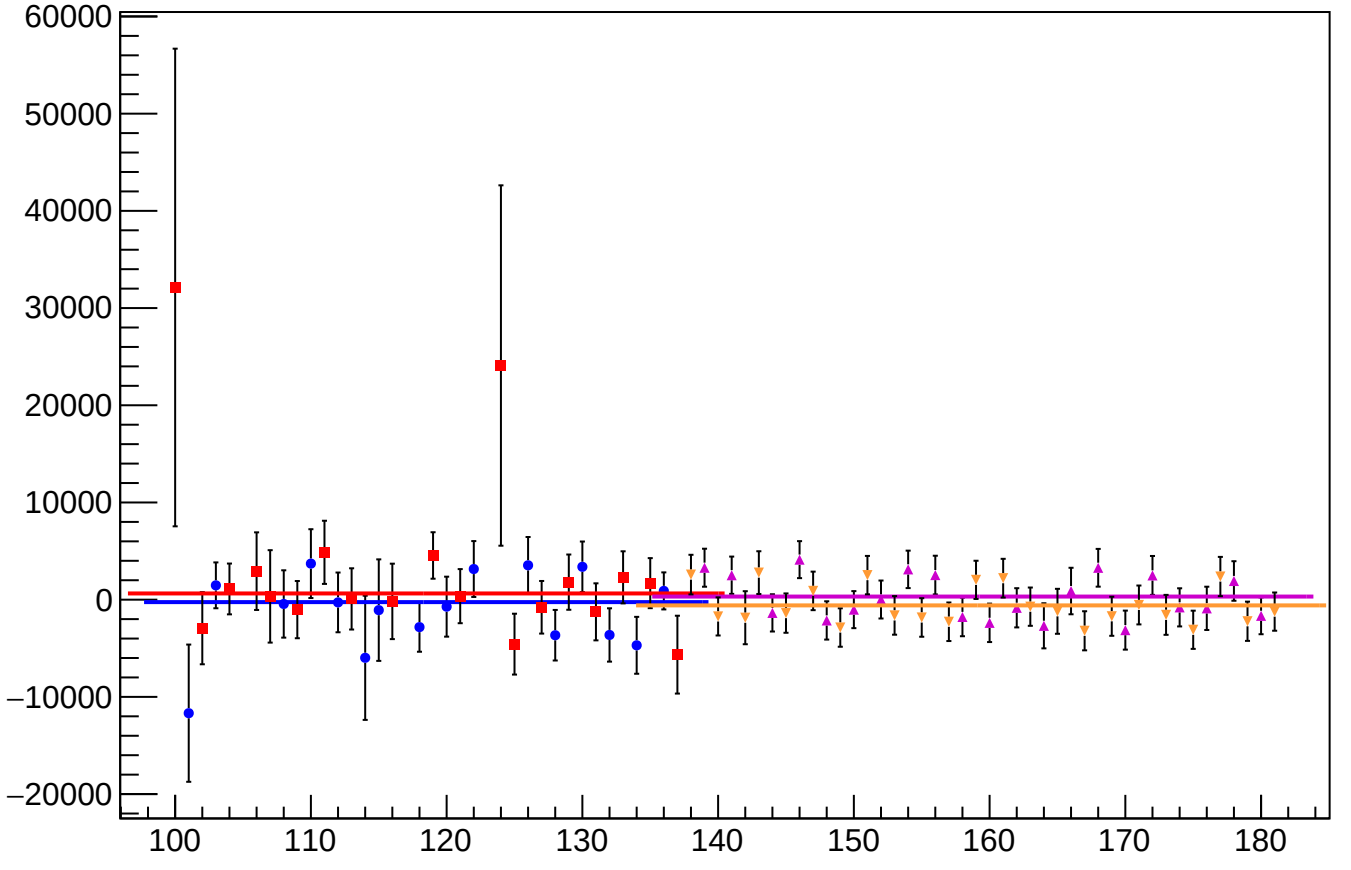
Left In: 417.211+/-0.072 χ^2/NDF:373934.5/20

+ sign 446.090+/-0.065 χ^2/NDF: 3999689.8/38

All: 444.122+/-0.047 χ^2/NDF: 8176973.8/78

- sign 442.085+/-0.066 χ^2/NDF: 4175439.1/39

eigen_cor_asym_at1_dd_mean vs Slug



Right In: -250.487+/-735.112 χ^2/NDF: 17.2/15

Left Out: -587.754+/-424.053 χ^2/NDF:21.8/22

Right Out: 640.865+/-736.549 χ^2/NDF: 16.0/18

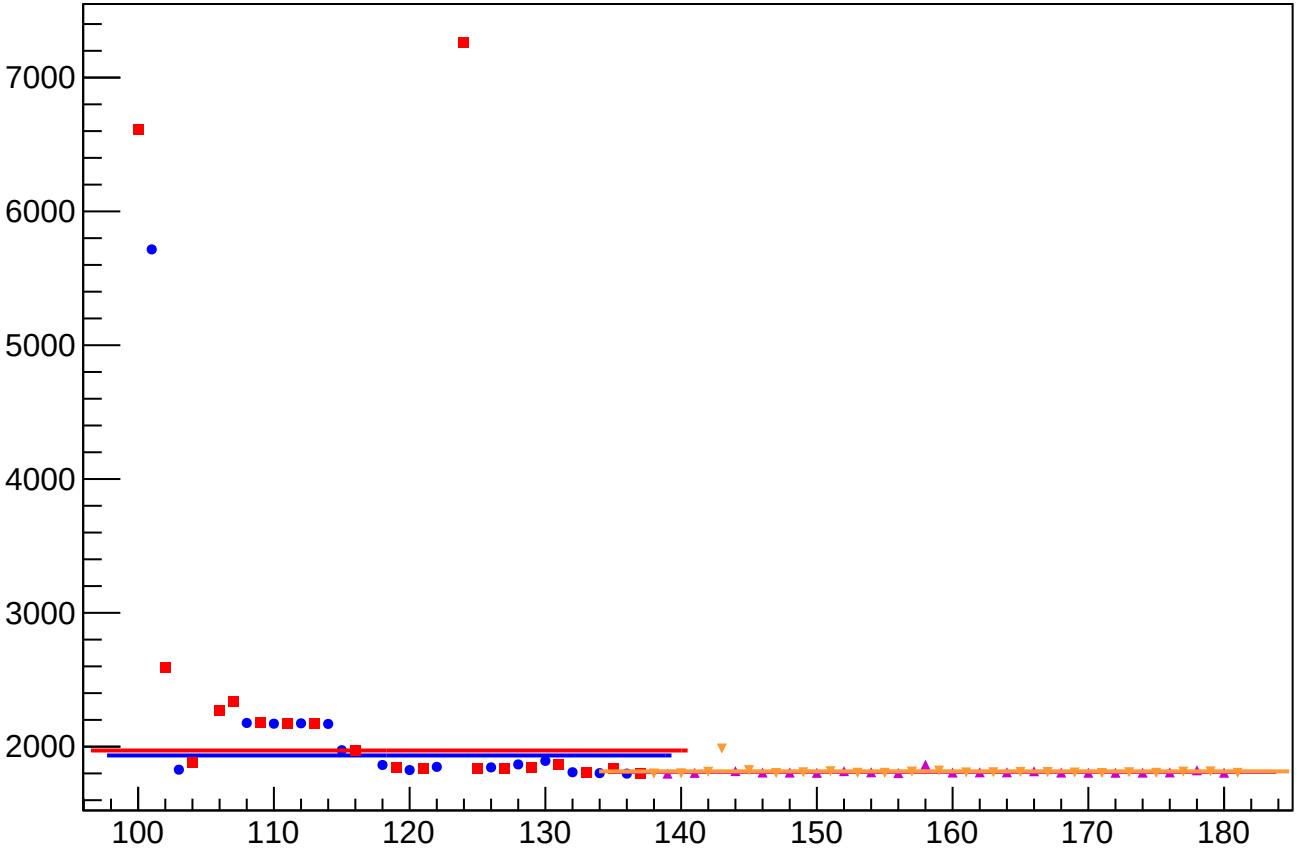
Left In: 320.701+/-435.995 χ^2/NDF:27.6/20

+ sign -503.546+/-367.319 χ^2/NDF: 39.2/38

All: -59.501+/-262.472 χ^2/NDF: 86.0/78

- sign 403.776+/-375.190 χ^2/NDF: 43.7/39

eigen_cor_asym_at1_dd_rms vs Slug



Right In: 1934.217+/-0.520 χ^2/NDF: 639919.9/15

Left Out: 1815.370+/-0.300 χ^2/NDF:12925.5/22

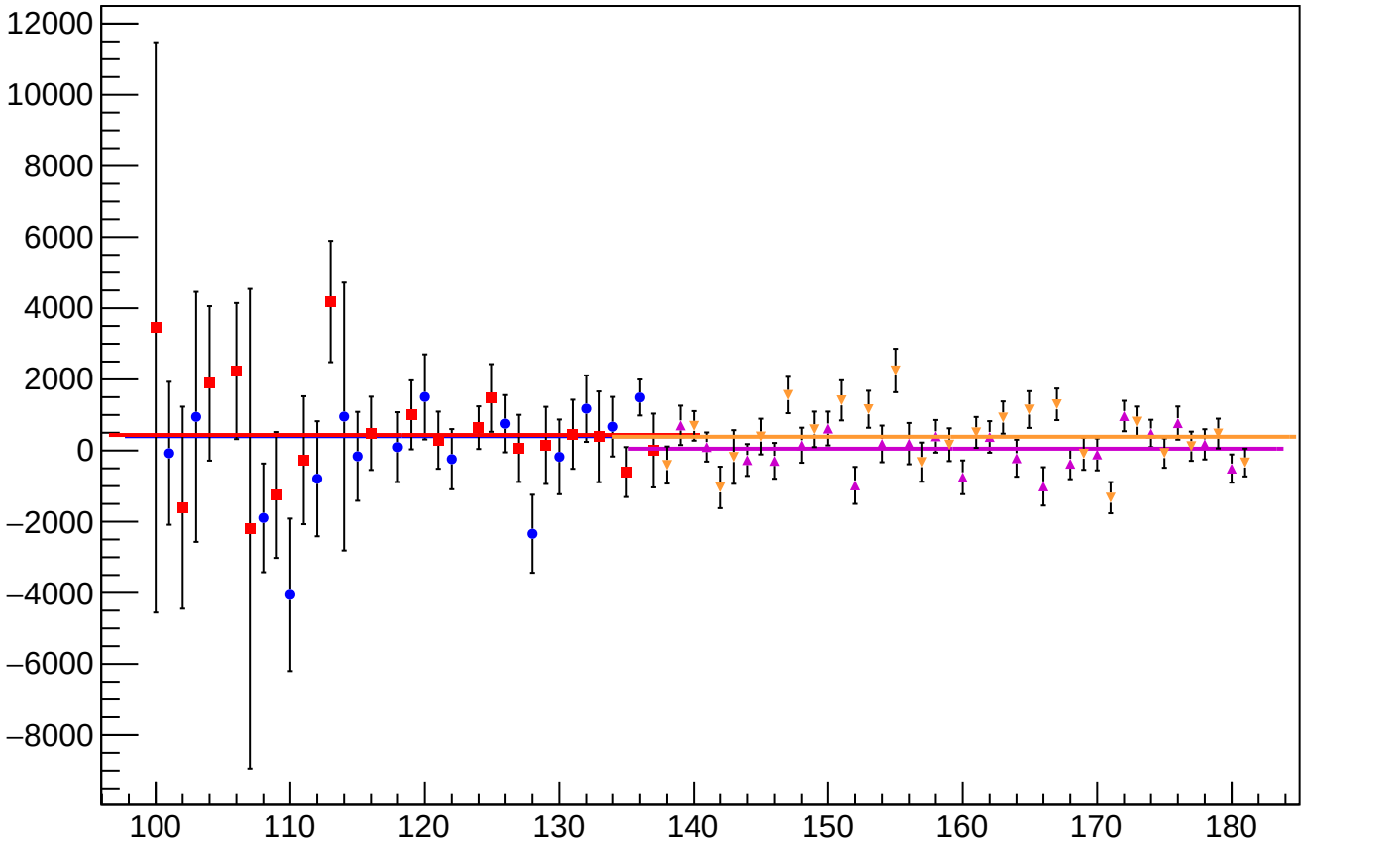
Right Out: 1971.357+/-0.521 χ^2/NDF: 383176.6/18

Left In: 1811.078+/-0.308 χ^2/NDF:1899.7/20

+ sign 1845.043+/-0.260 χ^2/NDF: 692068.8/38

All: 1848.774+/-0.186 χ^2/NDF: 1147699.5/78

- sign 1852.667+/-0.265 χ^2/NDF: 455209.1/39



Right In: 402.701+/-258.564 χ^2/NDF: 21.1/15

Left Out: 386.758+/-98.970 χ^2/NDF:62.0/22

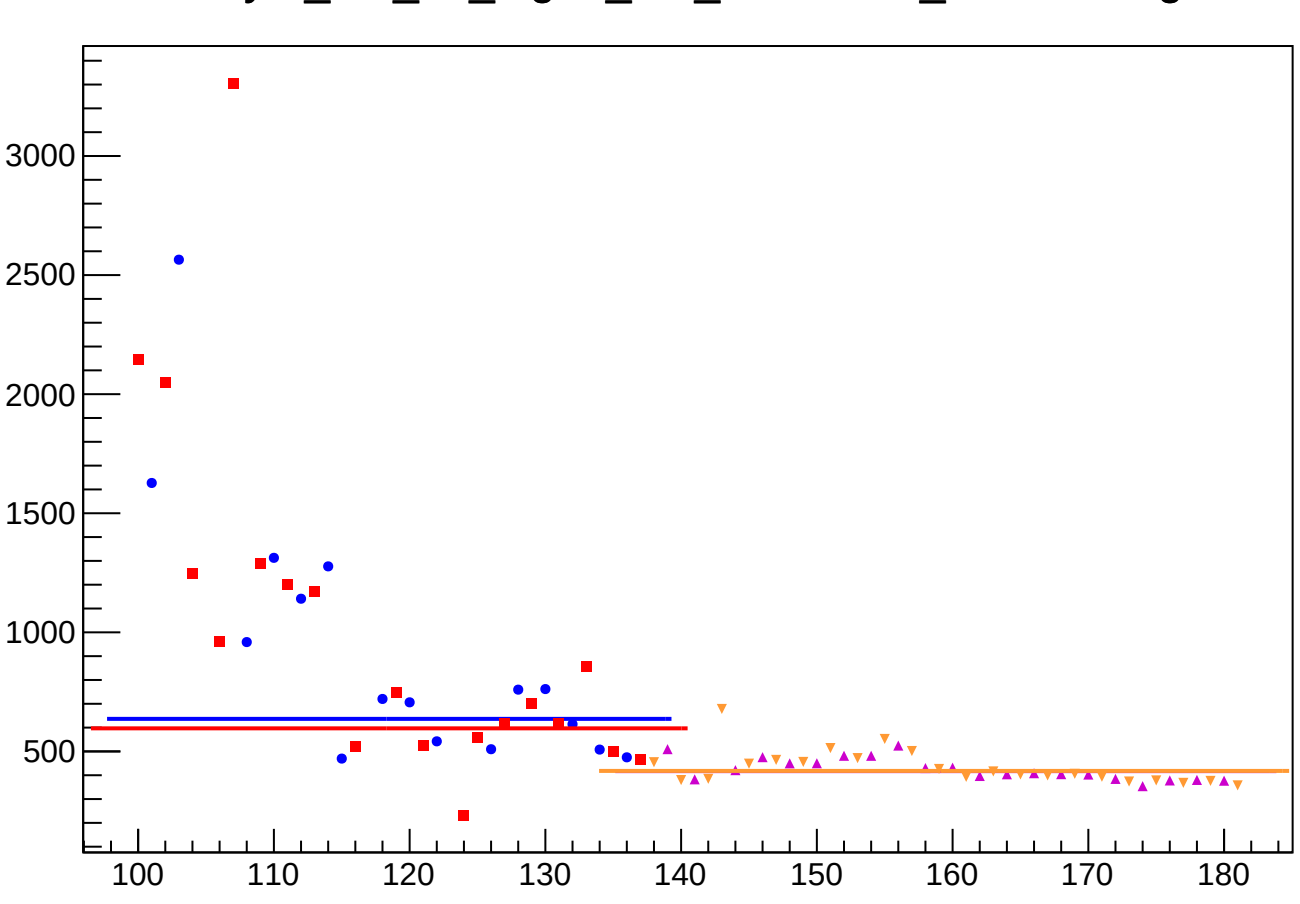
Right Out: 436.691+/-252.672 χ^2/NDF: 12.4/18

Left In: 50.229+/-101.293 χ^2/NDF:27.4/20

+ sign 388.795+/-92.431 χ^2/NDF: 83.2/38

All: 248.696+/-65.913 χ^2/NDF: 129.6/78

- sign 103.738+/-94.020 χ^2/NDF: 41.8/39



Right In: 636.698+/-0.183 χ^2/NDF: 2066022.1/15

Left Out: 418.163+/-0.070 χ^2/NDF:687552.8/22

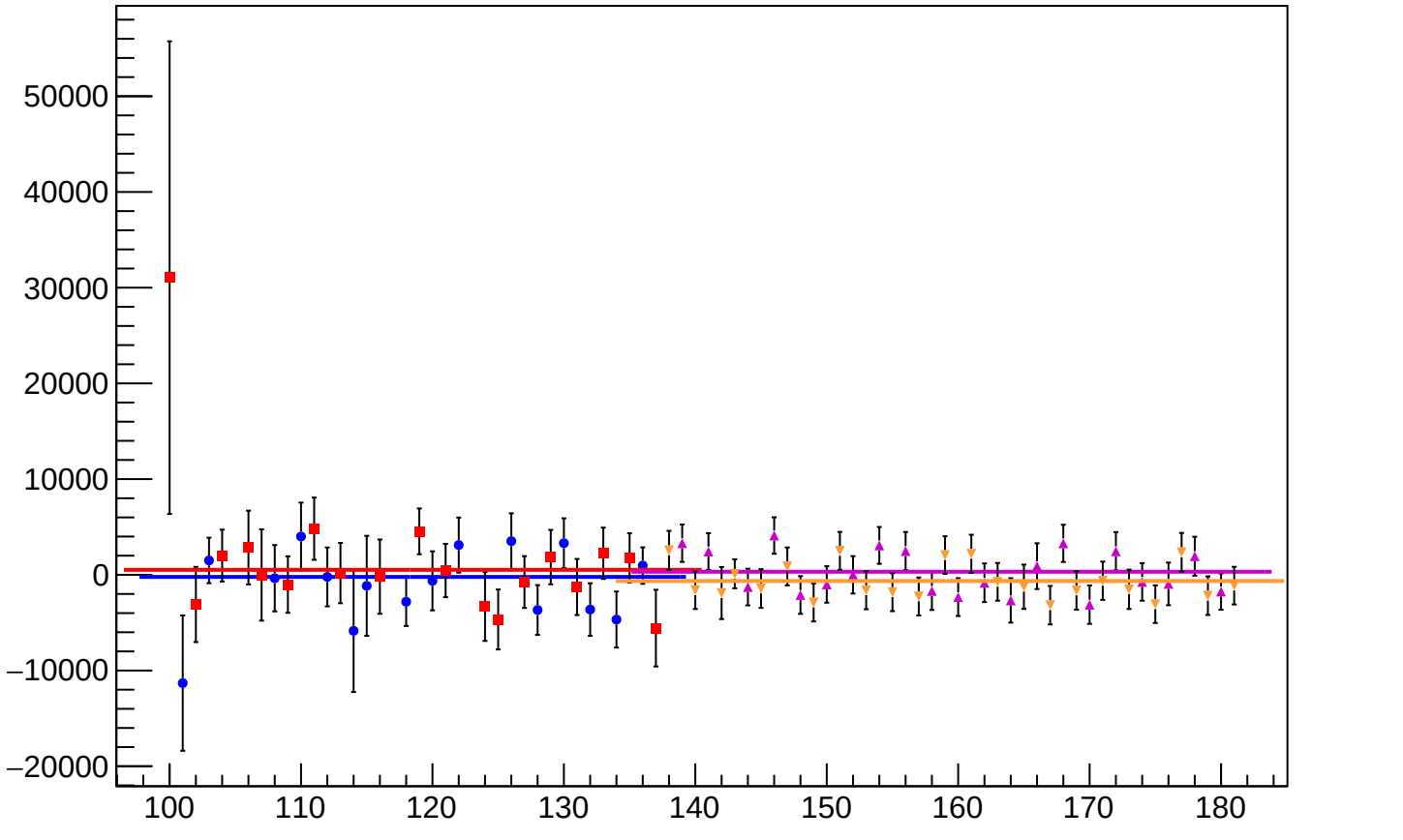
Right Out: 596.862+/-0.179 χ^2/NDF: 2930443.7/18

Left In: 417.211+/-0.072 χ^2/NDF:373934.5/20

+ sign 446.090+/-0.065 χ^2/NDF: 3999689.8/38

All: 444.122+/-0.047 χ^2/NDF: 8176973.8/78

- sign 442.085+/-0.066 χ^2/NDF: 4175439.1/39



Right In: -220.393+/-735.888 χ^2/NDF: 17.1/15

Left Out: -649.060+/-415.579 χ^2/NDF:19.3/22

Right Out: 520.265+/-724.980 χ^2/NDF: 15.6/18

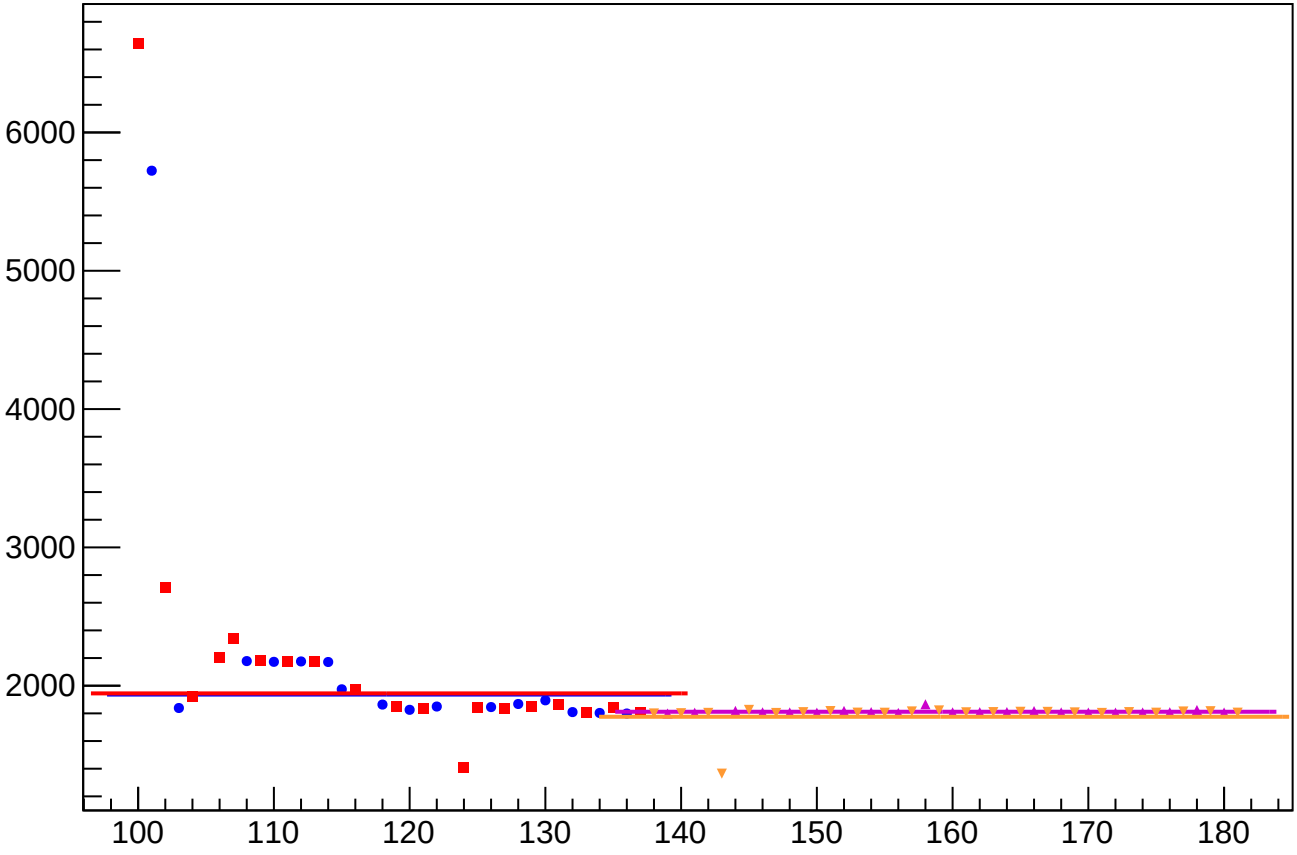
Left In: 321.775+/-436.148 χ^2/NDF:27.2/20

\+ sign -545.407+/-361.863 χ^2/NDF: 36.7/38

All: -100.279+/-259.970 χ^2/NDF: 82.7/78

\- sign 374.522+/-373.730 χ^2/NDF: 42.8/39

dit_asym_at1_dd_rms vs Slug



Right In: 1935.974+/-0.520 χ^2/NDF: 639808.0/15

Left Out: 1775.471+/-0.294 χ^2/NDF:160953.2/22

Right Out: 1944.495+/-0.513 χ^2/NDF: 276223.6/18

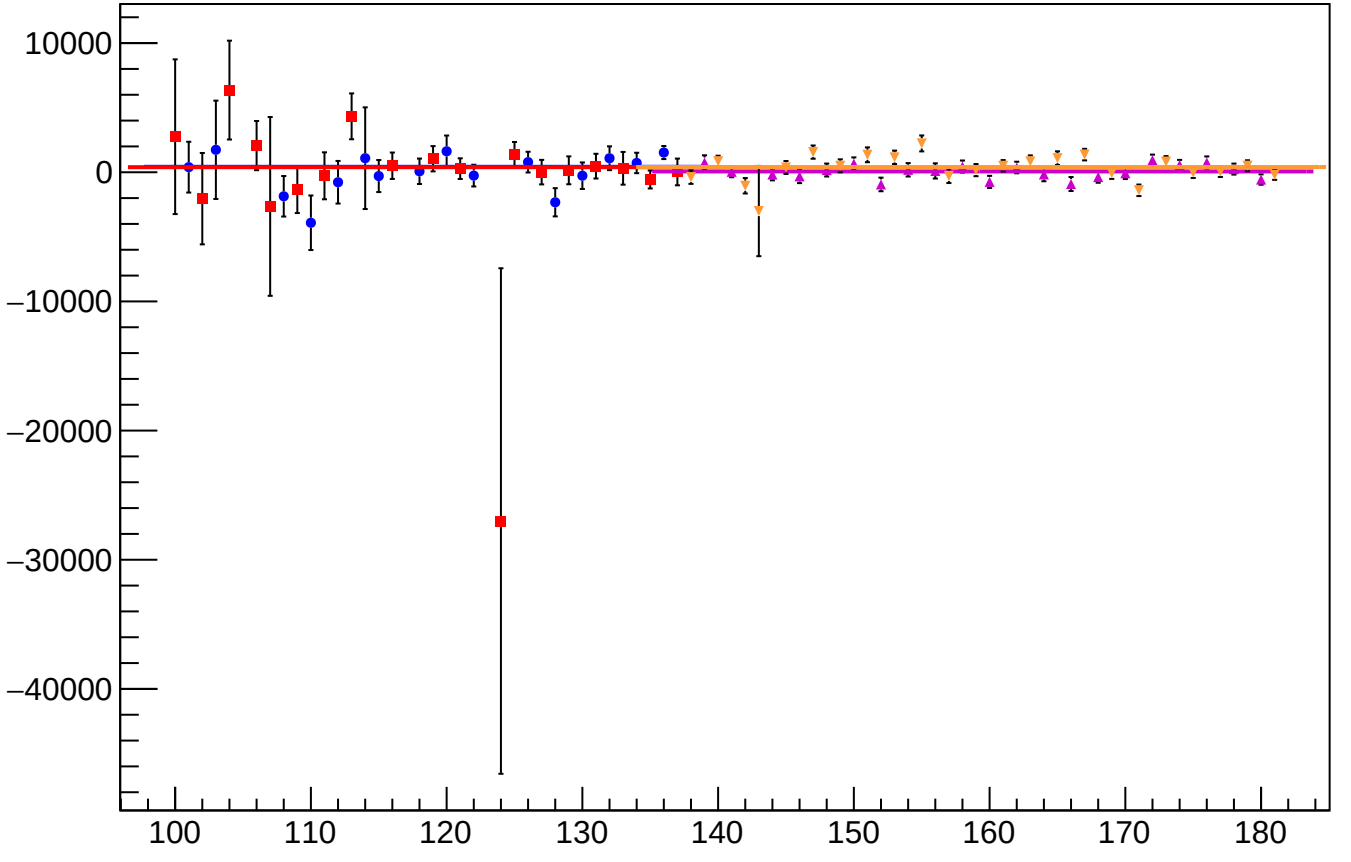
Left In: 1811.712+/-0.308 χ^2/NDF:1895.8/20

+ sign 1814.281+/-0.256 χ^2/NDF: 872897.8/38

All: 1830.112+/-0.184 χ^2/NDF: 1208189.6/78

- sign 1846.999+/-0.264 χ^2/NDF: 327380.9/39

asym_at1_dd_dit_correction_mean vs Slug



Right In: 421.145+/-256.749 χ^2/NDF: 21.5/15

Left Out: 404.387+/-101.135 χ^2/NDF:60.3/22

Right Out: 393.590+/-279.562 χ^2/NDF: 15.9/18

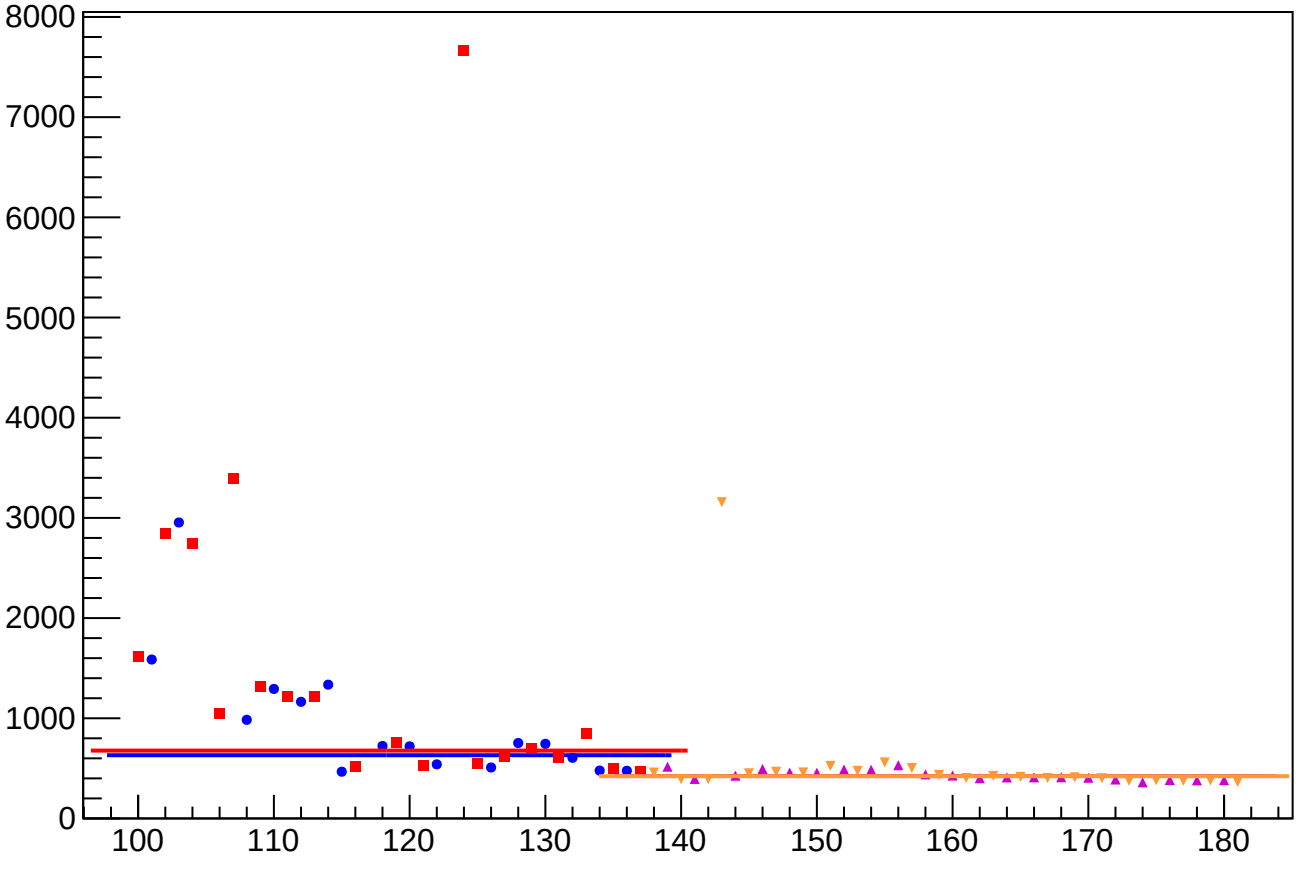
Left In: 63.958+/-102.661 χ^2/NDF:26.6/20

+ sign 406.638+/-94.098 χ^2/NDF: 81.7/38

All: 258.500+/-67.326 χ^2/NDF: 130.5/78

- sign 103.127+/-96.369 χ^2/NDF: 43.7/39

asym_at1_dd_dit_correction_rms vs Slug



Right In: 631.140+/-0.182 χ^2/NDF: 2234480.1/15

Left Out: 422.054+/-0.072 χ^2/NDF:1650818.9/22

Right Out: 677.438+/-0.198 χ^2/NDF: 3081569.8/18

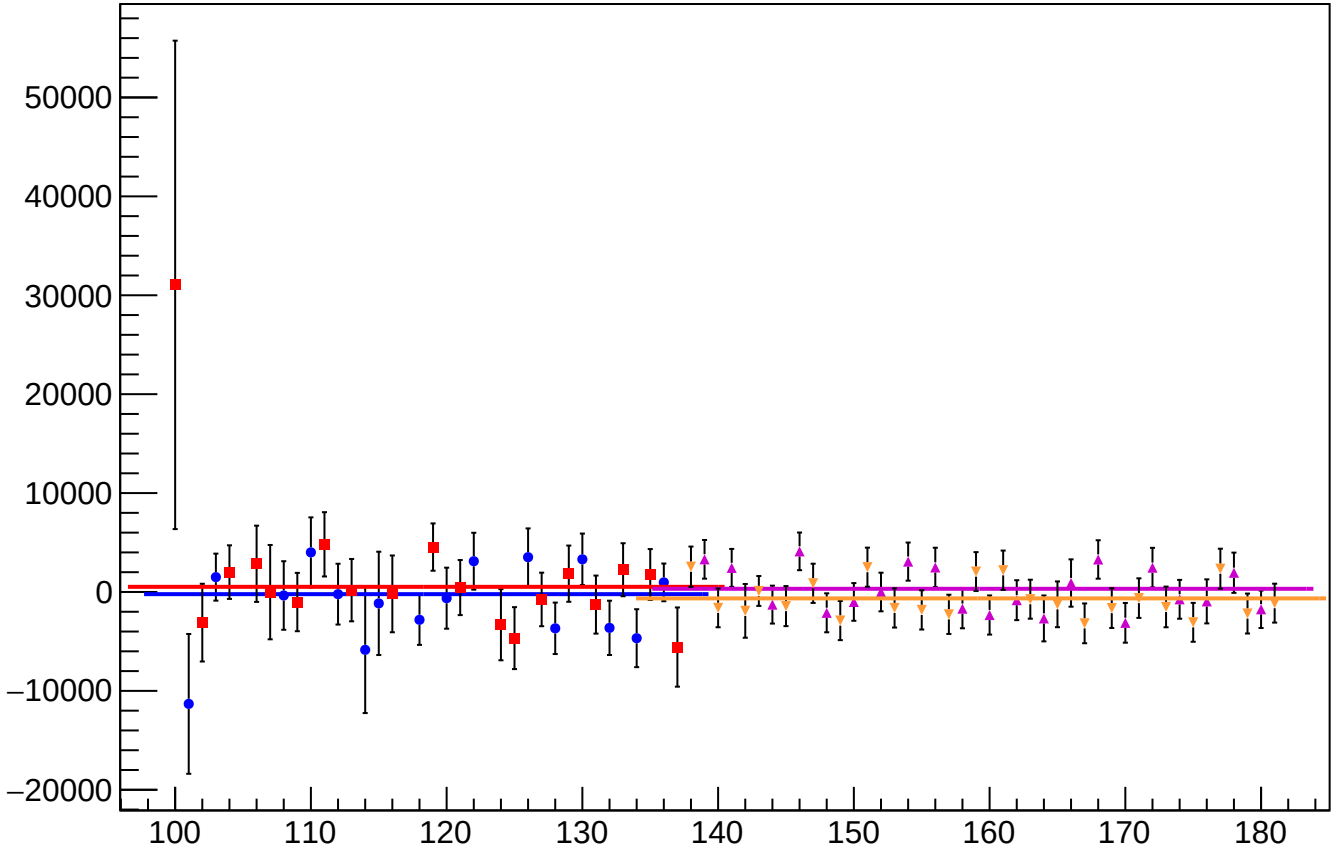
Left In: 423.263+/-0.073 χ^2/NDF:380600.3/20

+ sign 450.139+/-0.067 χ^2/NDF: 5033494.6/38

All: 451.763+/-0.048 χ^2/NDF: 9953682.1/78

- sign 453.465+/-0.068 χ^2/NDF: 4918967.5/39

eigen_dit_asym_at1_dd_mean vs Slug



Right In: -220.393+/-735.888 χ^2/NDF: 17.1/15

Left Out: -649.061+/-415.579 χ^2/NDF:19.3/22

Right Out: 520.265+/-724.980 χ^2/NDF: 15.6/18

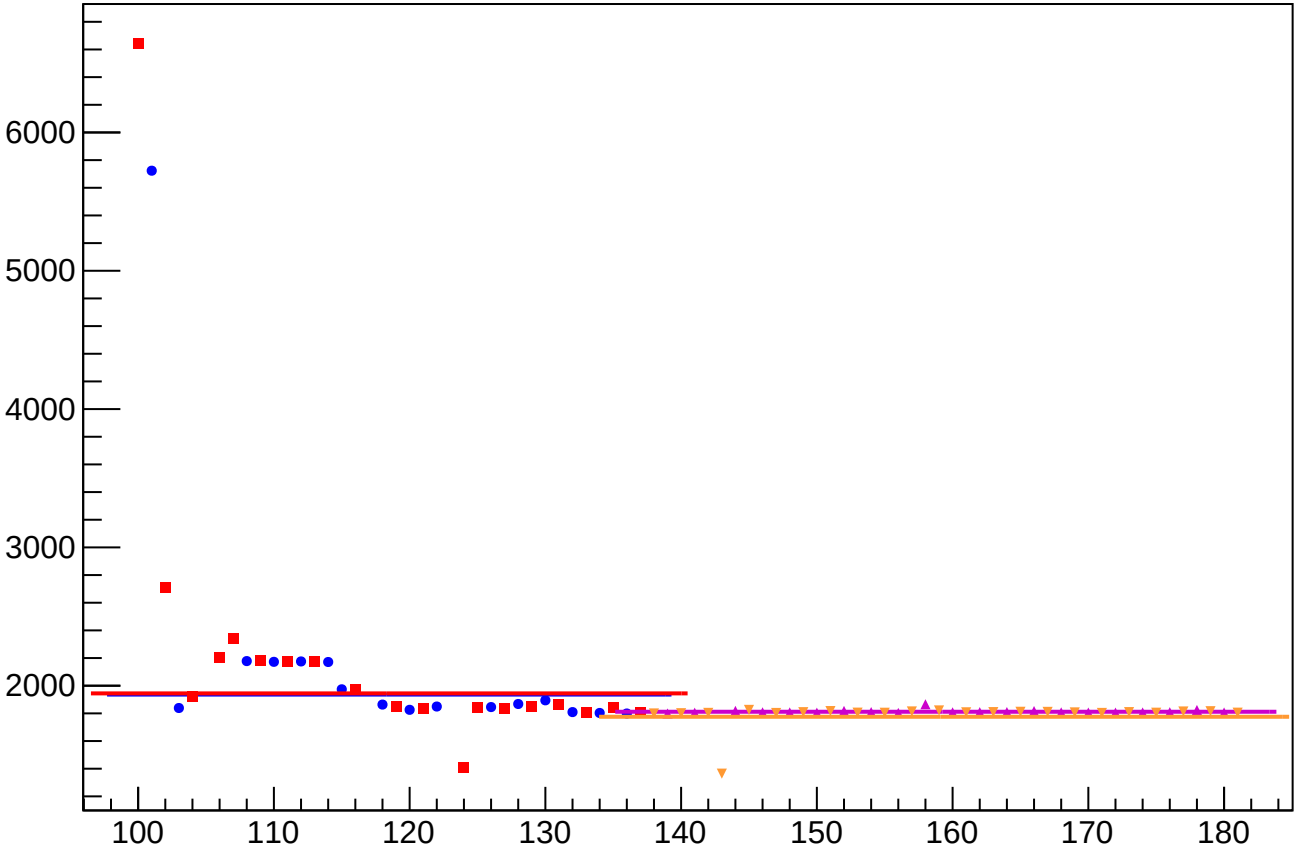
Left In: 321.775+/-436.148 χ^2/NDF:27.2/20

\+ sign -545.407+/-361.863 χ^2/NDF: 36.7/38

All: -100.279+/-259.970 χ^2/NDF: 82.7/78

\- sign 374.522+/-373.730 χ^2/NDF: 42.8/39

eigen_dit_asym_at1_dd_rms vs Slug



Right In: 1935.974+/-0.520 χ^2/NDF: 639808.0/15

Left Out: 1775.471+/-0.294 χ^2/NDF:160953.2/22

Right Out: 1944.495+/-0.513 χ^2/NDF: 276223.5/18

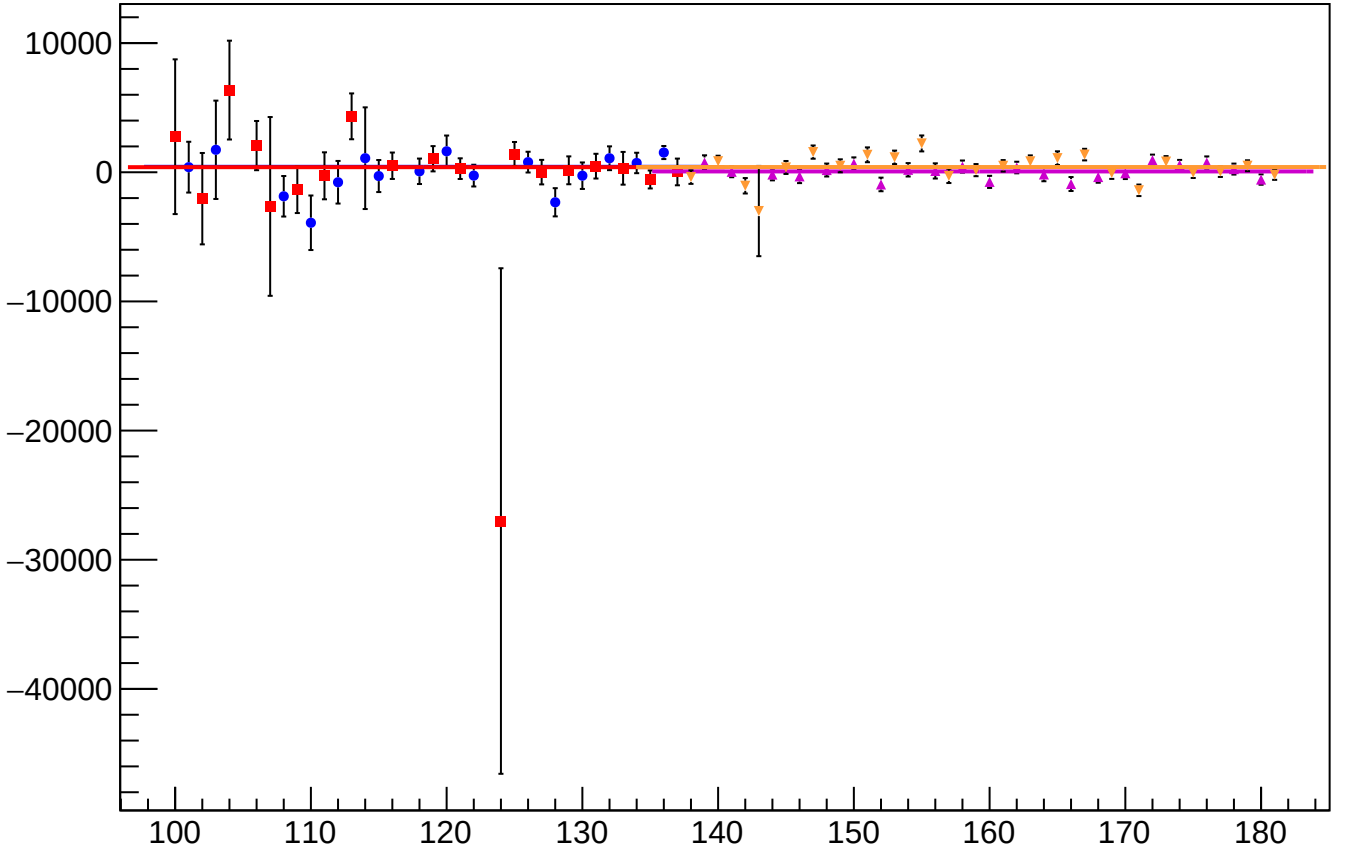
Left In: 1811.712+/-0.308 χ^2/NDF:1895.8/20

+ sign 1814.281+/-0.256 χ^2/NDF: 872897.7/38

All: 1830.112+/-0.184 χ^2/NDF: 1208189.3/78

- sign 1846.999+/-0.264 χ^2/NDF: 327380.7/39

asym_at1_dd_eigen_dit_correction_mean vs Slug



Right In: 421.144+/-256.749 χ^2/NDF: 21.5/15

Left Out: 404.387+/-101.135 χ^2/NDF:60.3/22

Right Out: 393.591+/-279.562 χ^2/NDF: 15.9/18

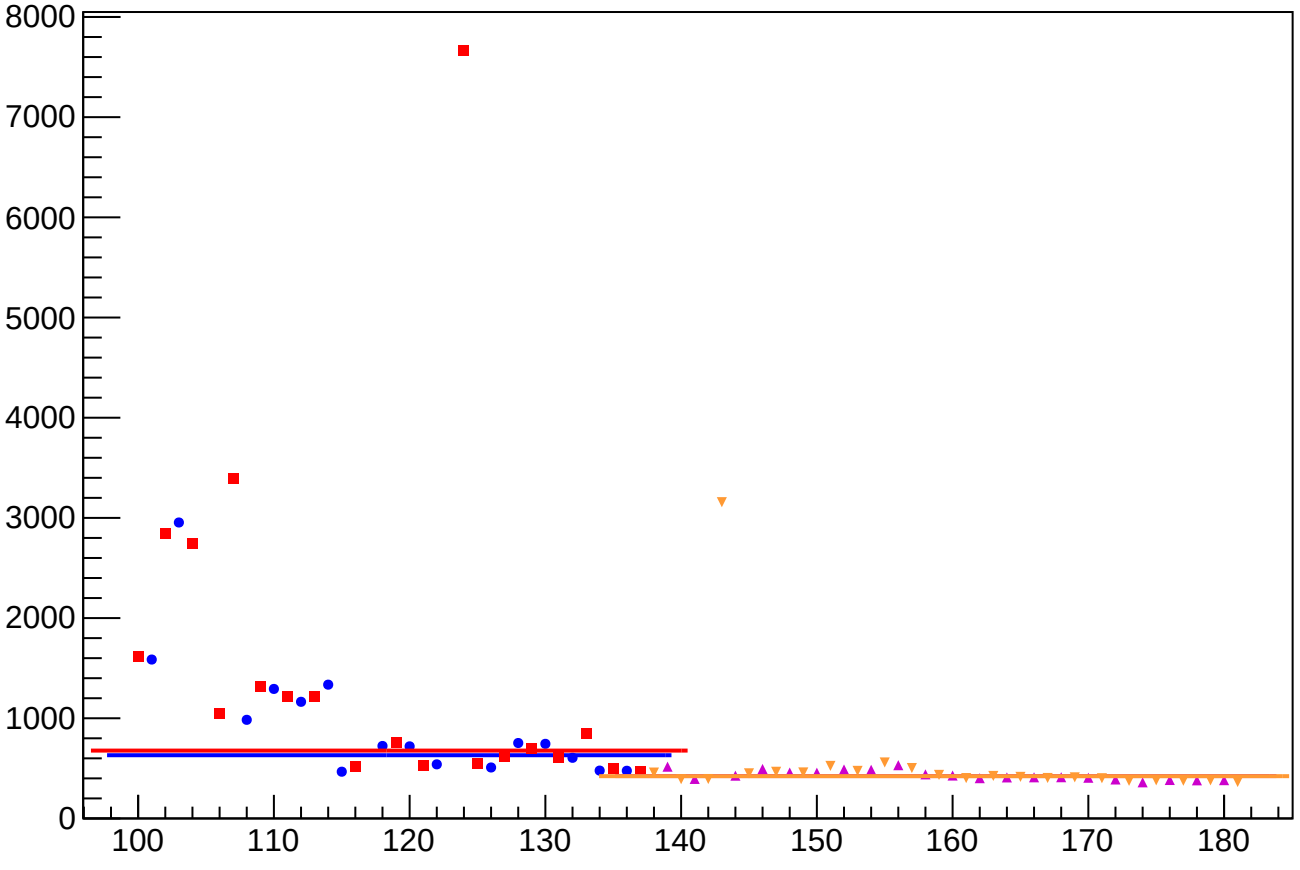
Left In: 63.957+/-102.661 χ^2/NDF:26.6/20

\+ sign 406.638+/-94.098 χ^2/NDF: 81.7/38

All: 258.499+/-67.326 χ^2/NDF: 130.5/78

\- sign 103.127+/-96.369 χ^2/NDF: 43.7/39

asym_at1_dd_eigen_dit_correction_rms vs Slug



Right In: 631.139+/-0.182 χ^2/NDF: 2234479.1/15

Left Out: 422.054+/-0.072 χ^2/NDF:1650820.9/22

Right Out: 677.437+/-0.198 χ^2/NDF: 3081570.5/18

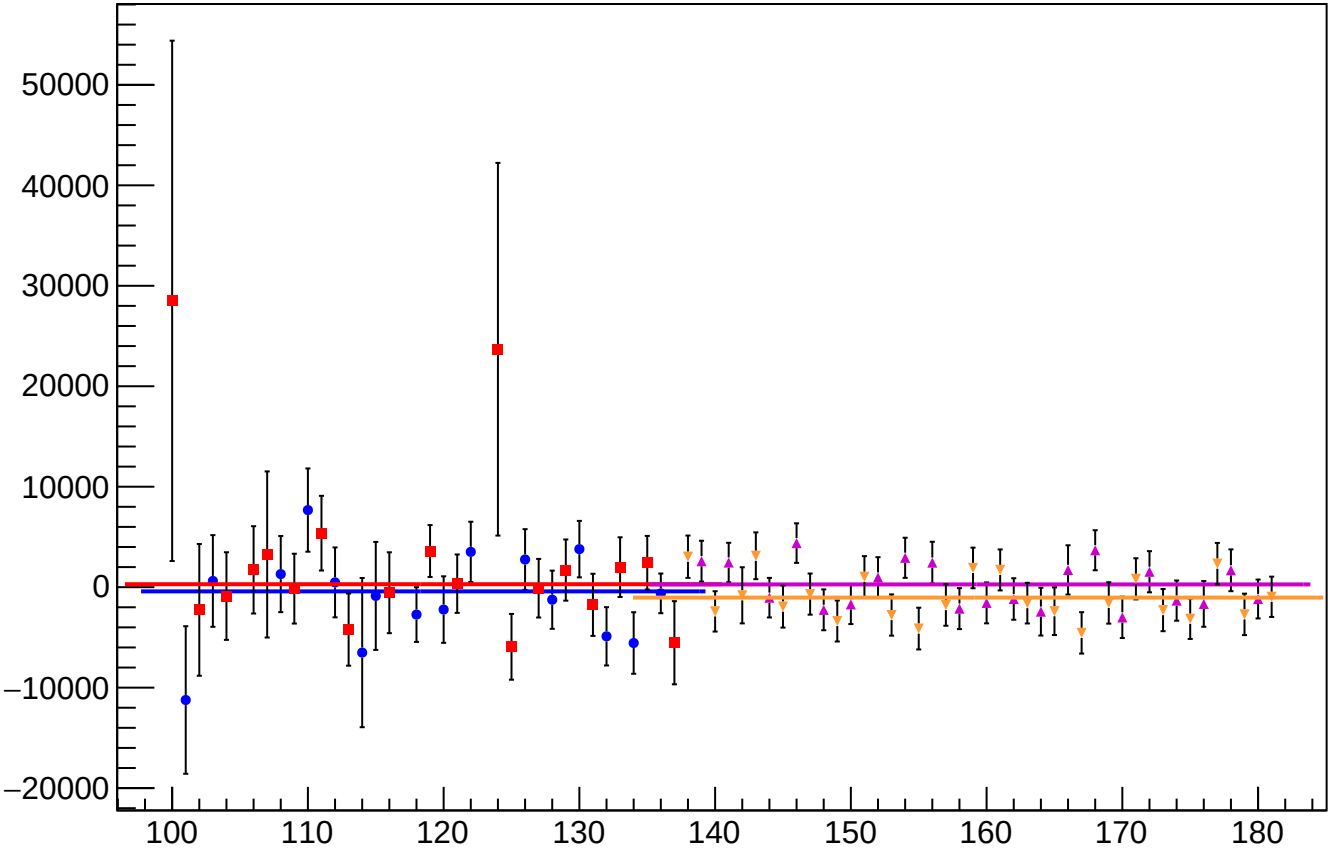
Left In: 423.263+/-0.073 χ^2/NDF:380603.4/20

+ sign 450.139+/-0.067 χ^2/NDF: 5033497.2/38

All: 451.762+/-0.048 χ^2/NDF: 9953689.2/78

- sign 453.465+/-0.068 χ^2/NDF: 4918971.9/39

asym_at1_dd_mean vs Slug



Right In: -417.662+/-815.370 χ^2/NDF: 18.3/15

Left Out: -1037.550+/-436.645 χ^2/NDF:25.9/22

Right Out: 294.527+/-831.610 χ^2/NDF: 15.6/18

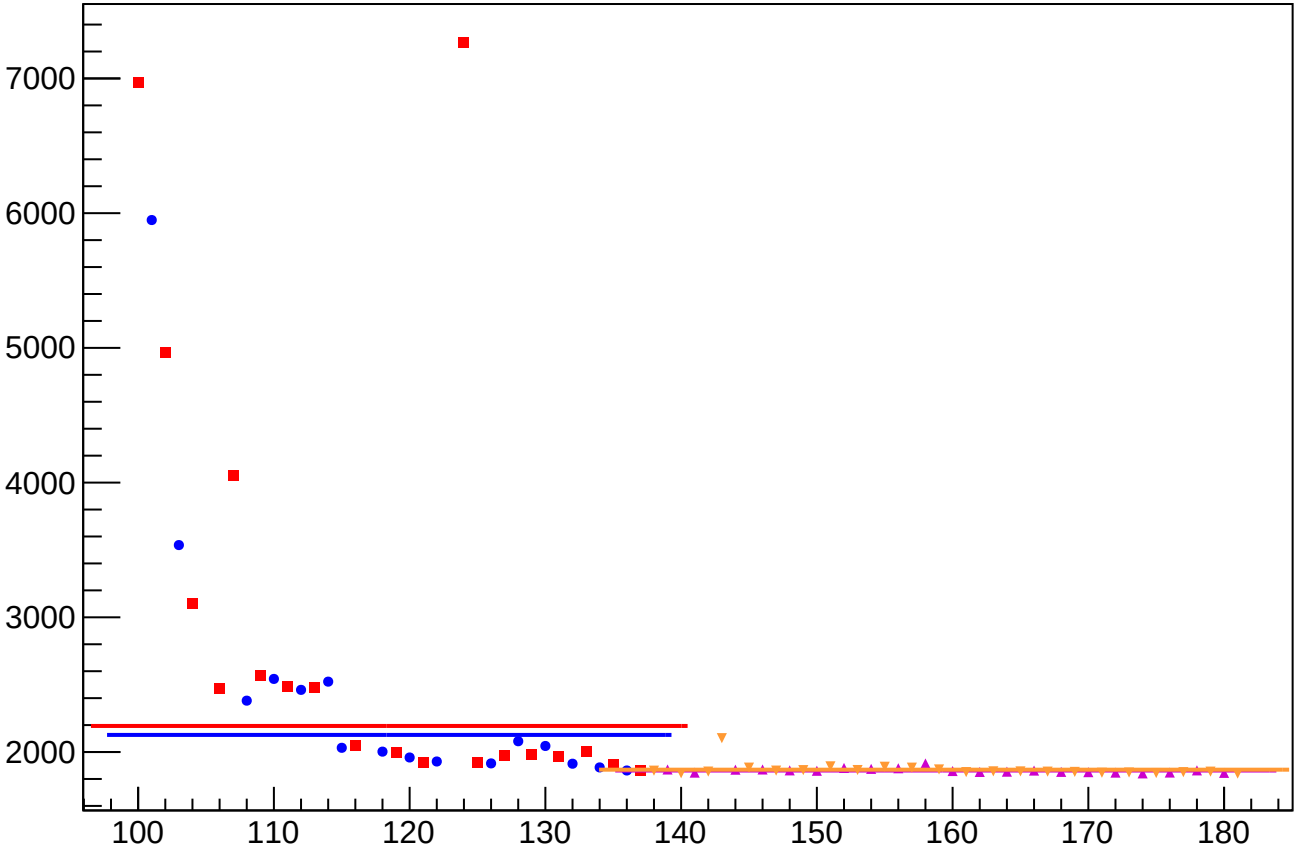
Left In: 274.685+/-448.403 χ^2/NDF:25.5/20

+ sign -899.398+/-384.925 χ^2/NDF: 44.7/38

All: -324.873+/-275.569 χ^2/NDF: 90.4/78

- sign 279.154+/-394.685 χ^2/NDF: 41.1/39

asym_at1_dd_rms vs Slug



Right In: 2127.041+/-0.577 χ^2/NDF: 875078.1/15

Left Out: 1868.997+/-0.309 χ^2/NDF:23313.8/22

Right Out: 2193.560+/-0.588 χ^2/NDF: 942581.2/18

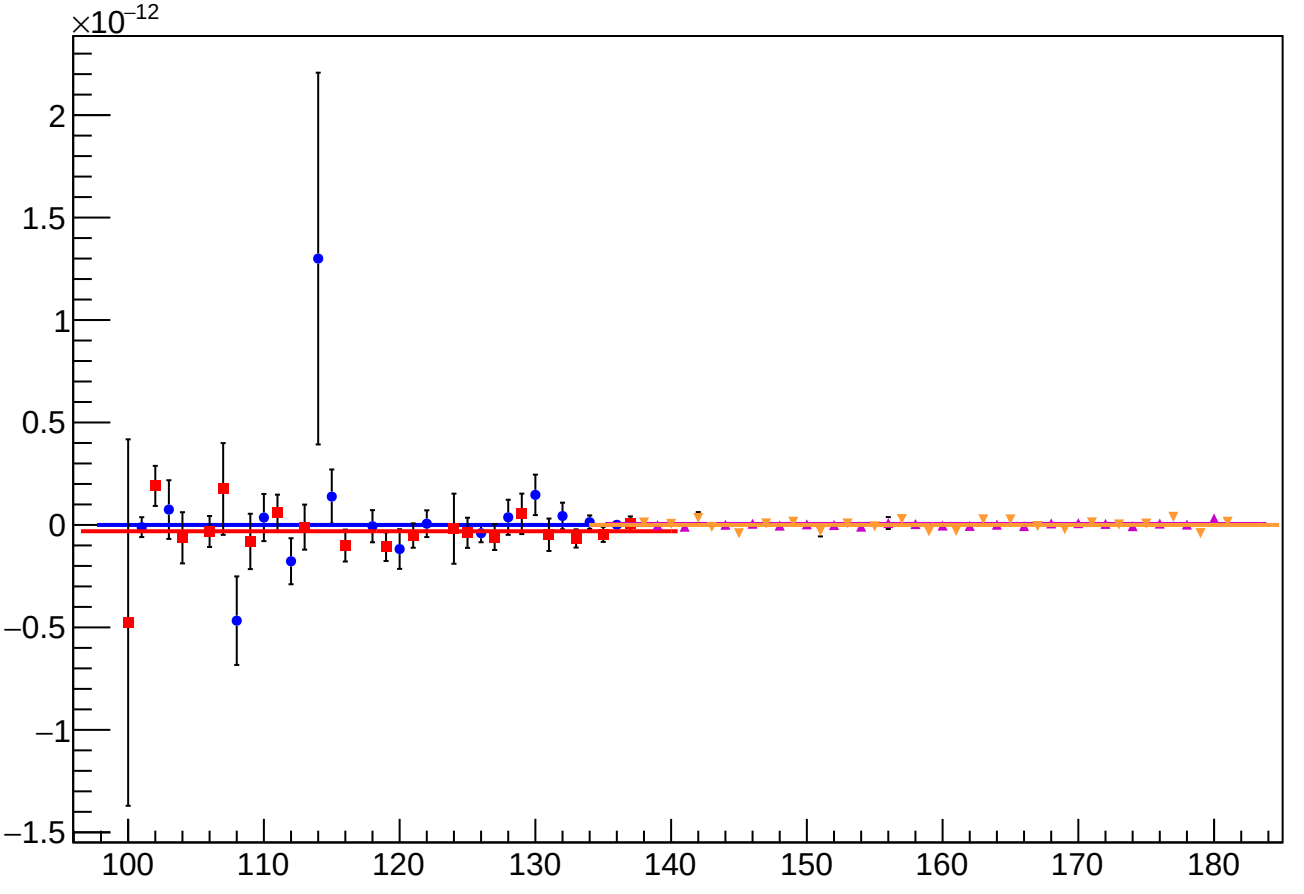
Left In: 1862.586+/-0.317 χ^2/NDF:2704.5/20

+ sign 1926.506+/-0.272 χ^2/NDF: 1054062.0/38

All: 1931.689+/-0.195 χ^2/NDF: 2245530.2/78

- sign 1937.137+/-0.279 χ^2/NDF: 1190724.5/39

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:41.0/22

Right Out: -0.000+/-0.000 χ^2/NDF: 12.4/18

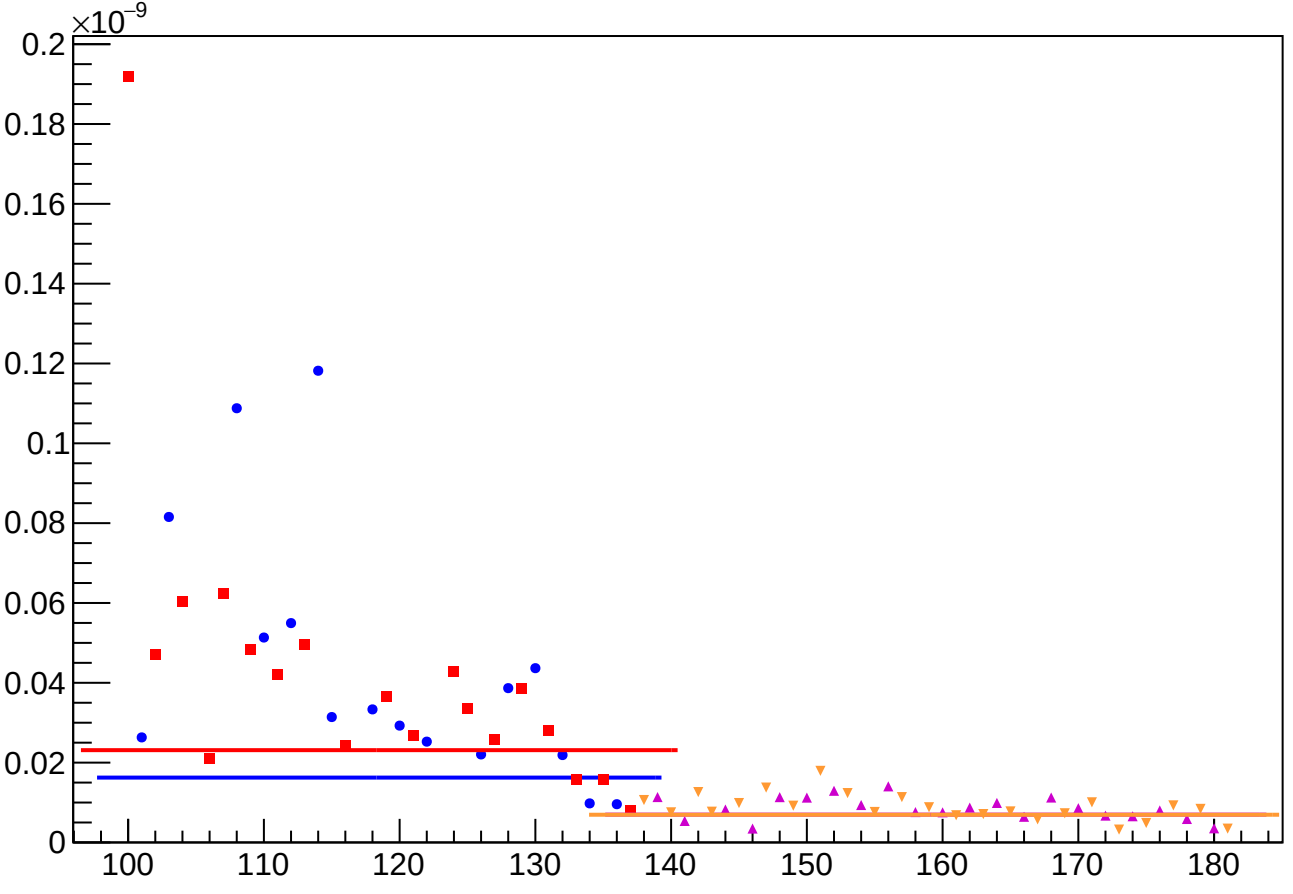
Left In: 0.000+/-0.000 χ^2/NDF:14.6/20

+ sign -0.000+/-0.000 χ^2/NDF: 57.1/38

All: 0.000+/-0.000 χ^2/NDF: 89.6/78

- sign 0.000+/-0.000 χ^2/NDF: 31.9/39

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:1806409.9/22

Right Out: 0.000+/-0.000 χ^2/NDF: 1411720.5/18

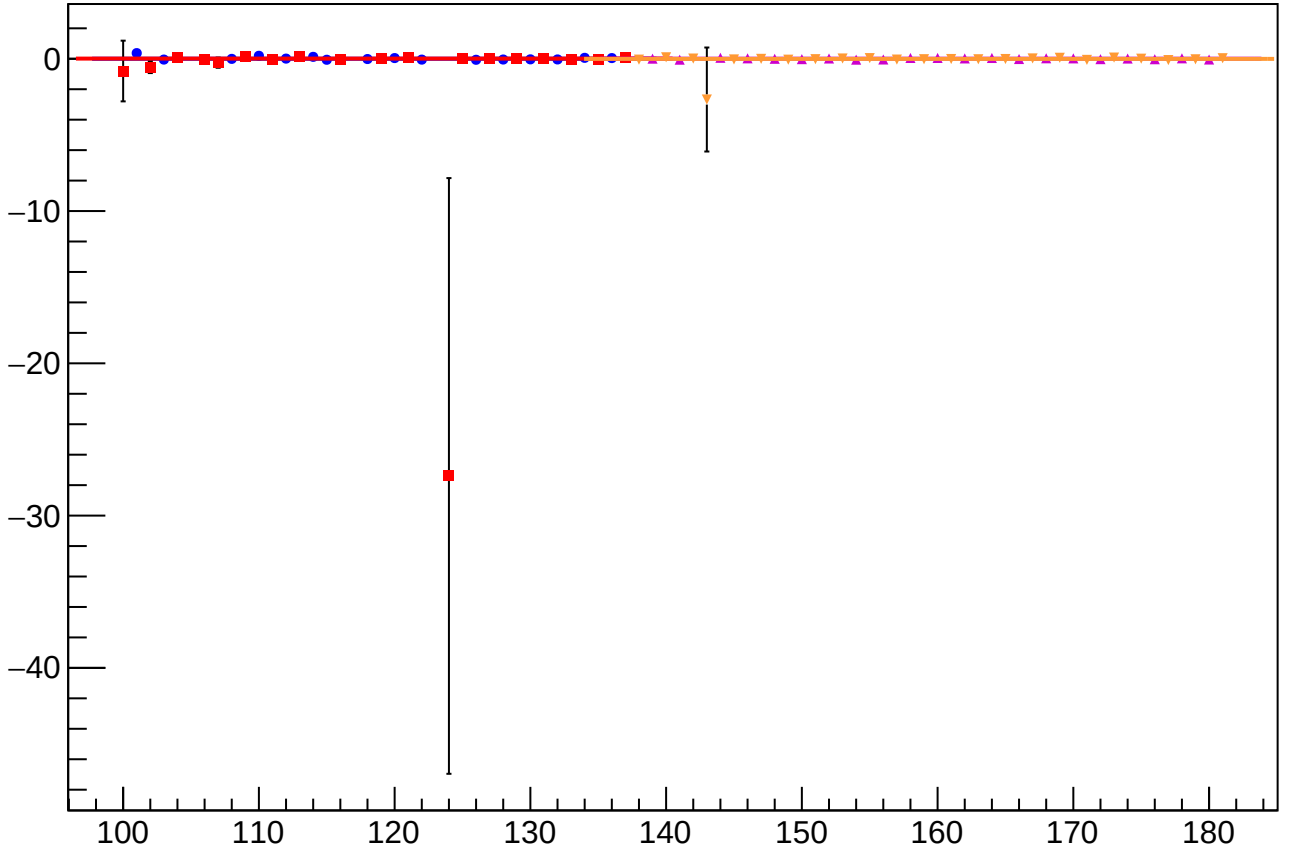
Left In: 0.000+/-0.000 χ^2/NDF:1445833.7/20

+ sign 0.000+/-0.000 χ^2/NDF: 5250592.0/38

All: 0.000+/-0.000 χ^2/NDF: 10139618.2/78

- sign 0.000+/-0.000 χ^2/NDF: 4888327.5/39

asym_at1_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.007+/-0.008 χ^2/NDF:36.3/22

Right Out: 0.012+/-0.015 χ^2/NDF: 14.2/18

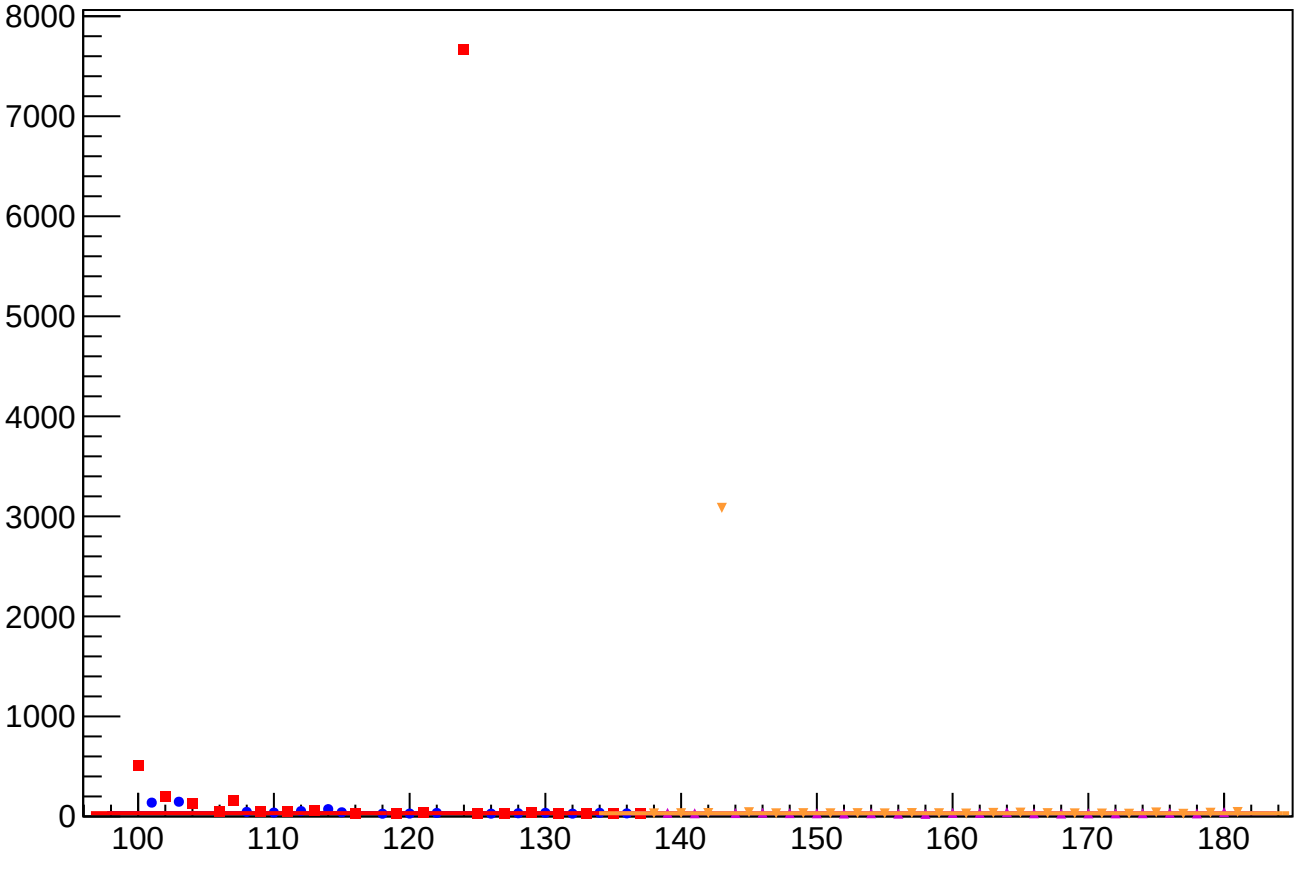
Left In: 0.005+/-0.009 χ^2/NDF:20.1/20

\+ sign -0.005+/-0.007 χ^2/NDF: 57.5/38

All: 0.001+/-0.005 χ^2/NDF: 93.2/78

\- sign 0.007+/-0.007 χ^2/NDF: 34.4/39

asym_at1_dd_dit_vs_cor_diff_rms vs Slug



Right In: 34.055+/-0.010 χ^2/NDF: 1717266.1/15

Left Out: 32.296+/-0.006 χ^2/NDF:2045520.2/22

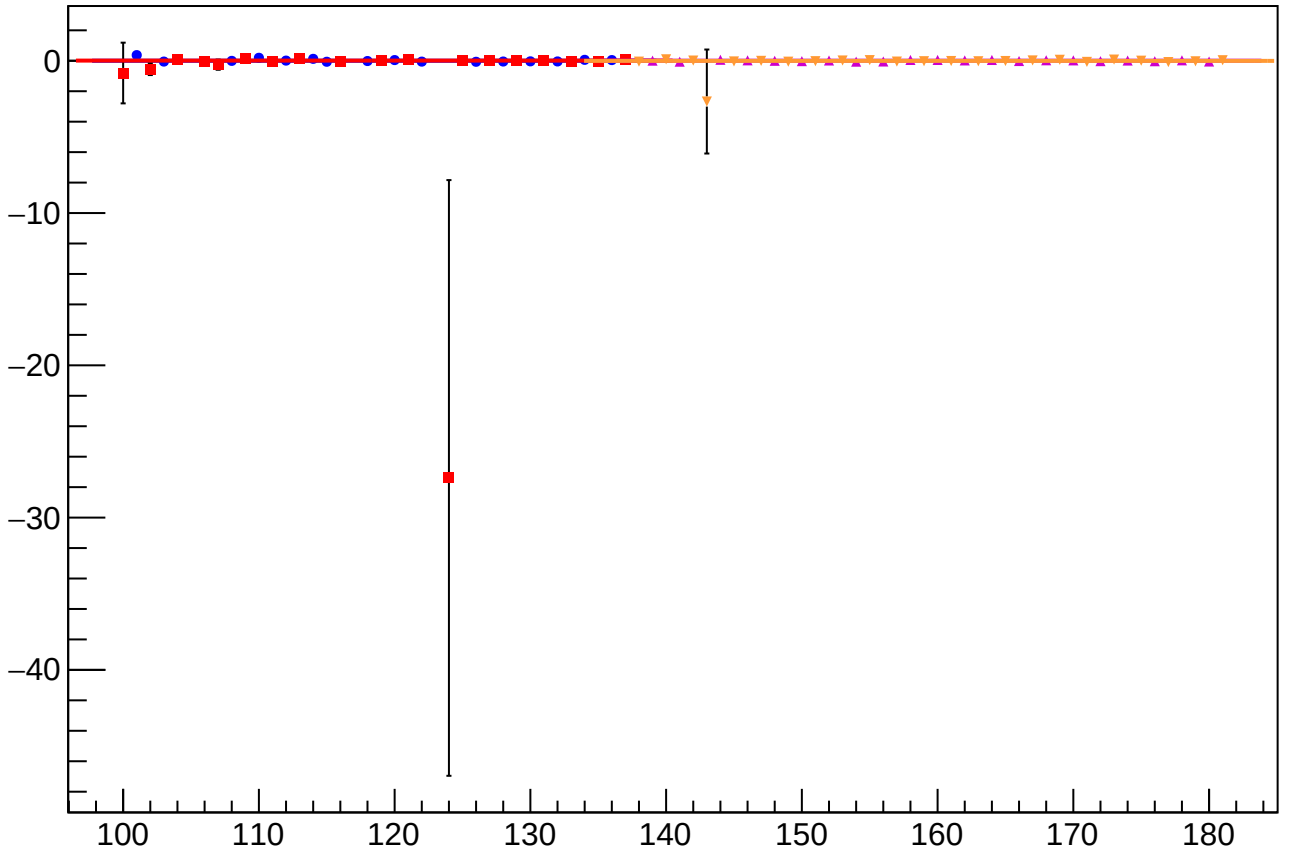
Right Out: 33.084+/-0.011 χ^2/NDF: 2075124.6/18

Left In: 32.697+/-0.006 χ^2/NDF:390465.7/20

+ sign 32.732+/-0.005 χ^2/NDF: 3784182.6/38

All: 32.763+/-0.004 χ^2/NDF: 6250856.0/78

- sign 32.794+/-0.005 χ^2/NDF: 2466601.7/39



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.007+/-0.008 χ^2/NDF:36.3/22

Right Out: 0.012+/-0.015 χ^2/NDF: 14.2/18

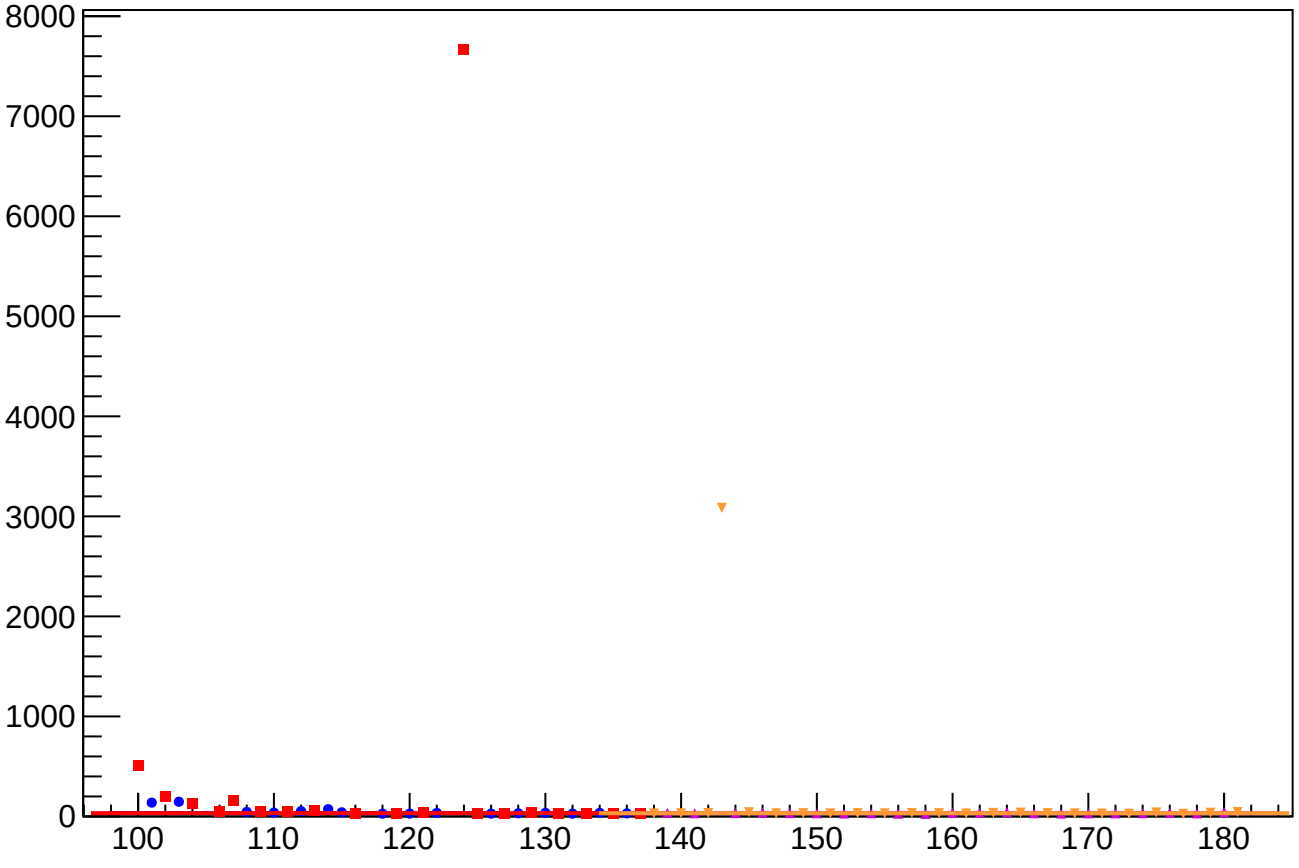
Left In: 0.005+/-0.009 χ^2/NDF:20.1/20

+ sign -0.005+/-0.007 χ^2/NDF: 57.5/38

All: 0.001+/-0.005 χ^2/NDF: 93.2/78

- sign 0.007+/-0.007 χ^2/NDF: 34.4/39

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: 32.296+/-0.006 χ^2/NDF:2045520.2/22

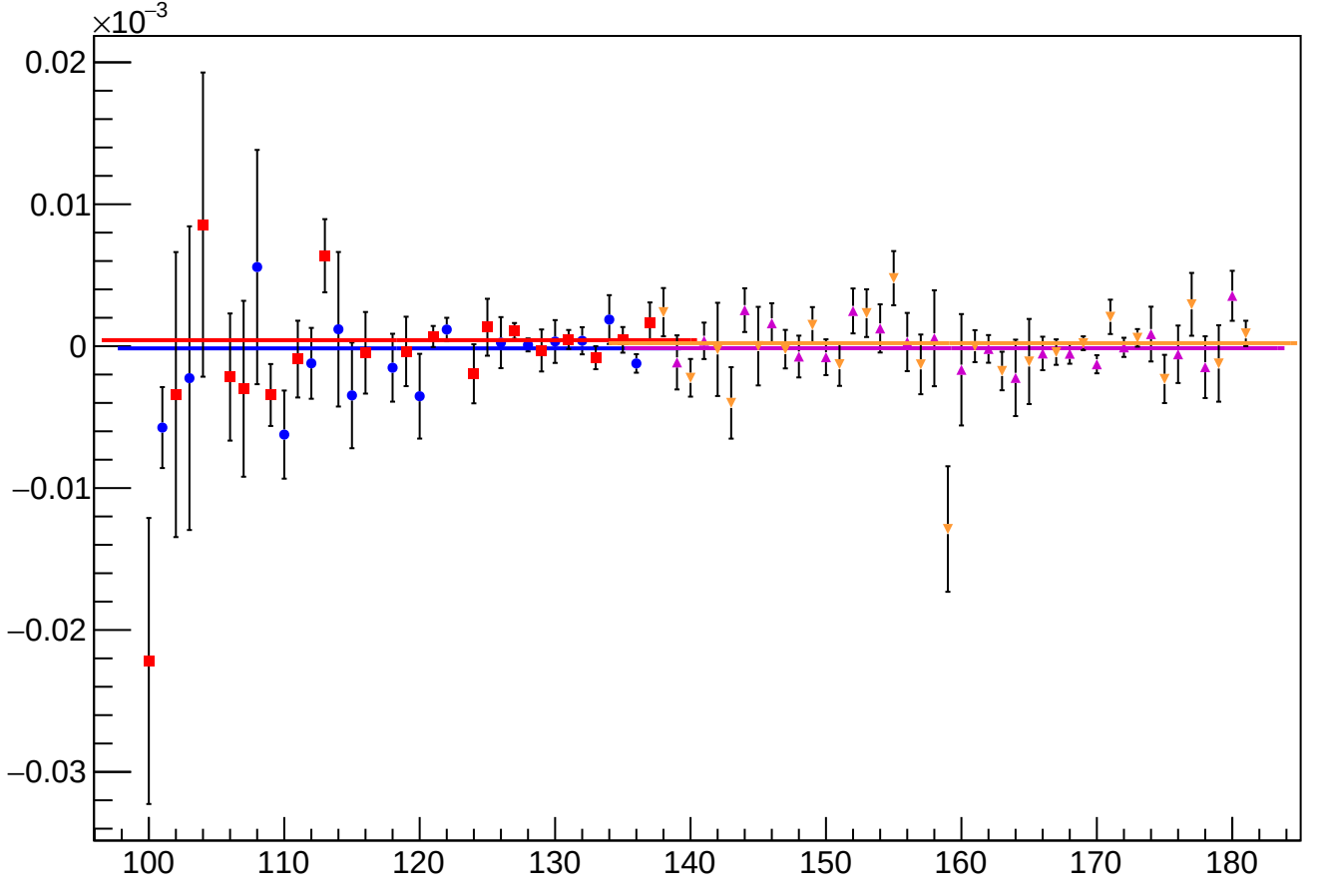
Right Out: 33.084+/-0.011 χ^2/NDF: 2075124.6/18

Left In: 32.697+/-0.006 χ^2/NDF:390465.7/20

+ sign 32.732+/-0.005 χ^2/NDF: 3784182.6/38

All: 32.763+/-0.004 χ^2/NDF: 6250856.0/78

- sign 32.794+/-0.005 χ^2/NDF: 2466601.7/39



Right In: -0.000+/-0.000 χ^2/NDF: 18.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:36.7/22

Right Out: 0.000+/-0.000 χ^2/NDF: 21.6/18

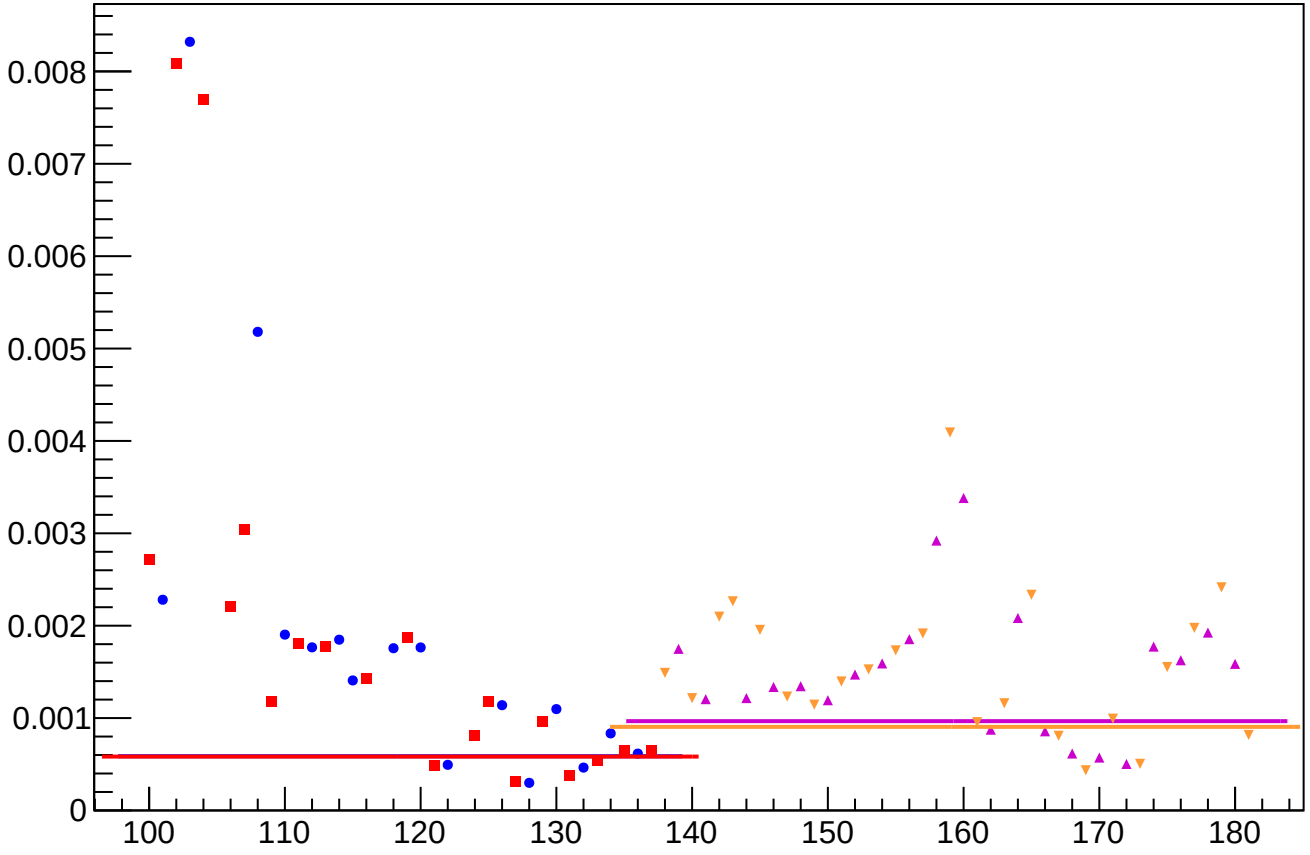
Left In: -0.000+/-0.000 χ^2/NDF:18.3/20

+ sign 0.000+/-0.000 χ^2/NDF: 55.8/38

All: 0.000+/-0.000 χ^2/NDF: 97.8/78

- sign 0.000+/-0.000 χ^2/NDF: 42.0/39

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:8711727.4/22

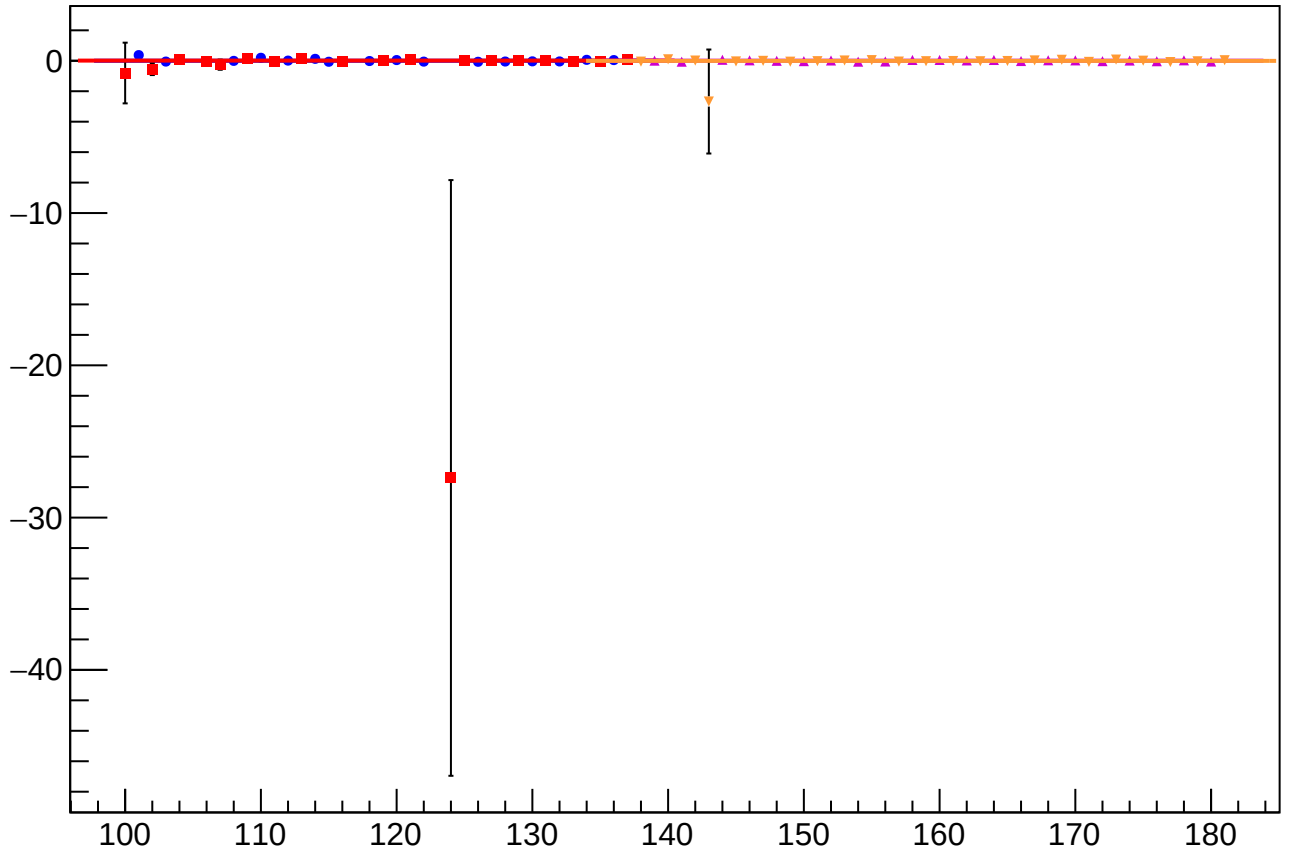
Right Out: 0.001+/-0.000 χ^2/NDF: 5431787.1/18

Left In: 0.001+/-0.000 χ^2/NDF:6837497.0/20

\+ sign 0.001+/-0.000 χ^2/NDF: 15558076.8/38

All: 0.001+/-0.000 χ^2/NDF: 29736041.4/78

\- sign 0.001+/-0.000 χ^2/NDF: 14173042.8/39



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.007+/-0.008 χ^2/NDF:36.3/22

Right Out: 0.012+/-0.015 χ^2/NDF: 14.2/18

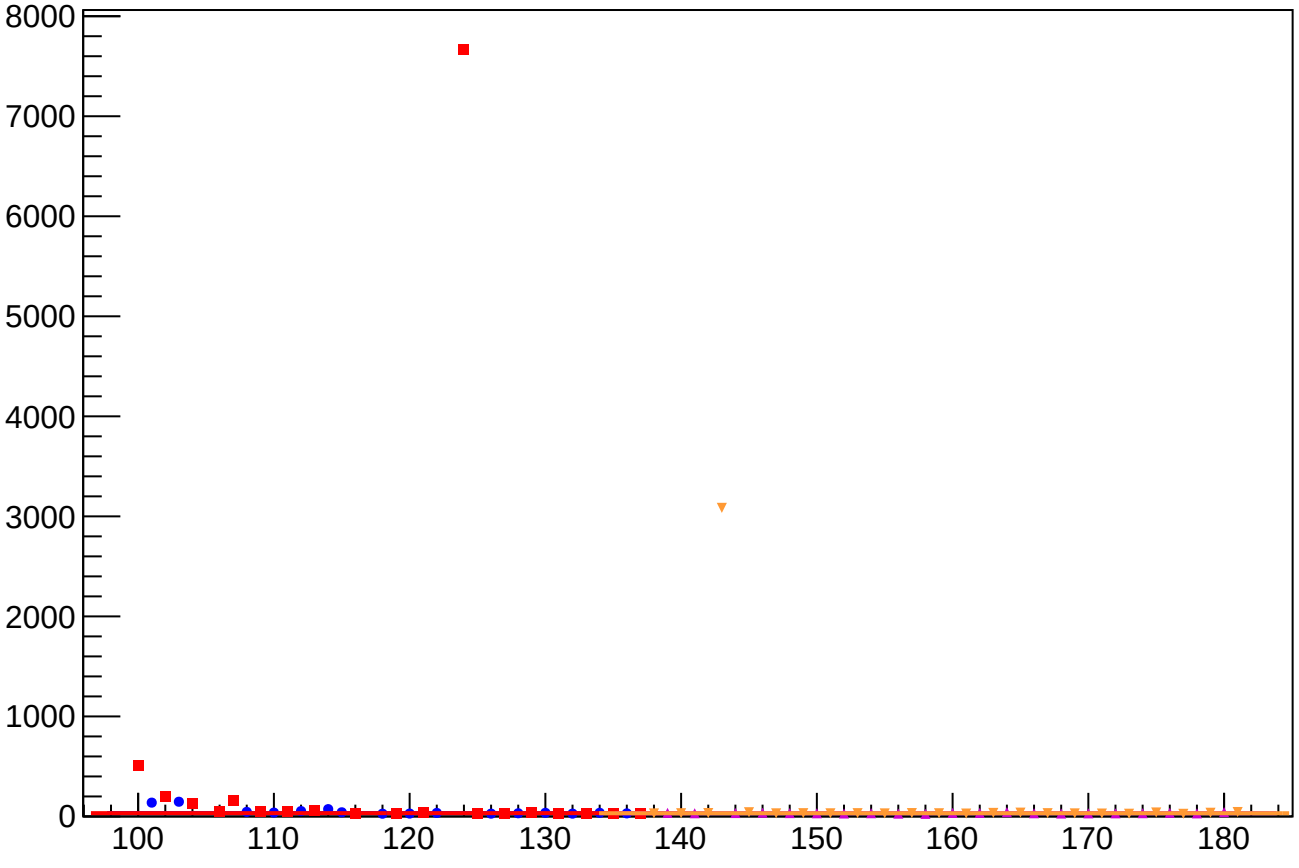
Left In: 0.005+/-0.009 χ^2/NDF:20.1/20

+ sign -0.005+/-0.007 χ^2/NDF: 57.5/38

All: 0.001+/-0.005 χ^2/NDF: 93.2/78

- sign 0.007+/-0.007 χ^2/NDF: 34.4/39

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: 32.296+/-0.006 χ^2/NDF:2045564.0/22

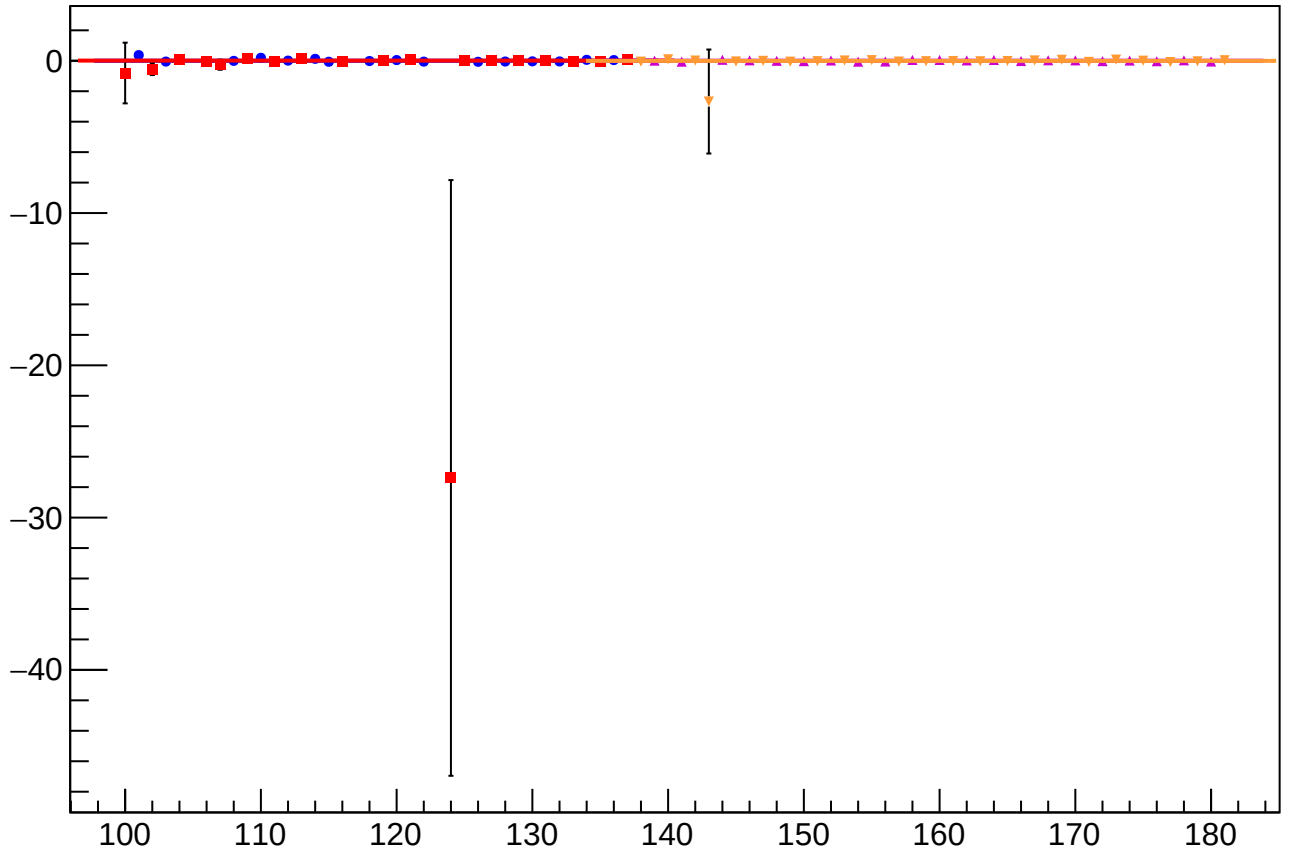
Right Out: 33.083+/-0.011 χ^2/NDF: 2075105.8/18

Left In: 32.698+/-0.006 χ^2/NDF:390376.7/20

+ sign 32.732+/-0.005 χ^2/NDF: 3784217.5/38

All: 32.763+/-0.004 χ^2/NDF: 6250781.8/78

- sign 32.795+/-0.005 χ^2/NDF: 2466492.0/39



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.007+/-0.008 χ^2/NDF:36.3/22

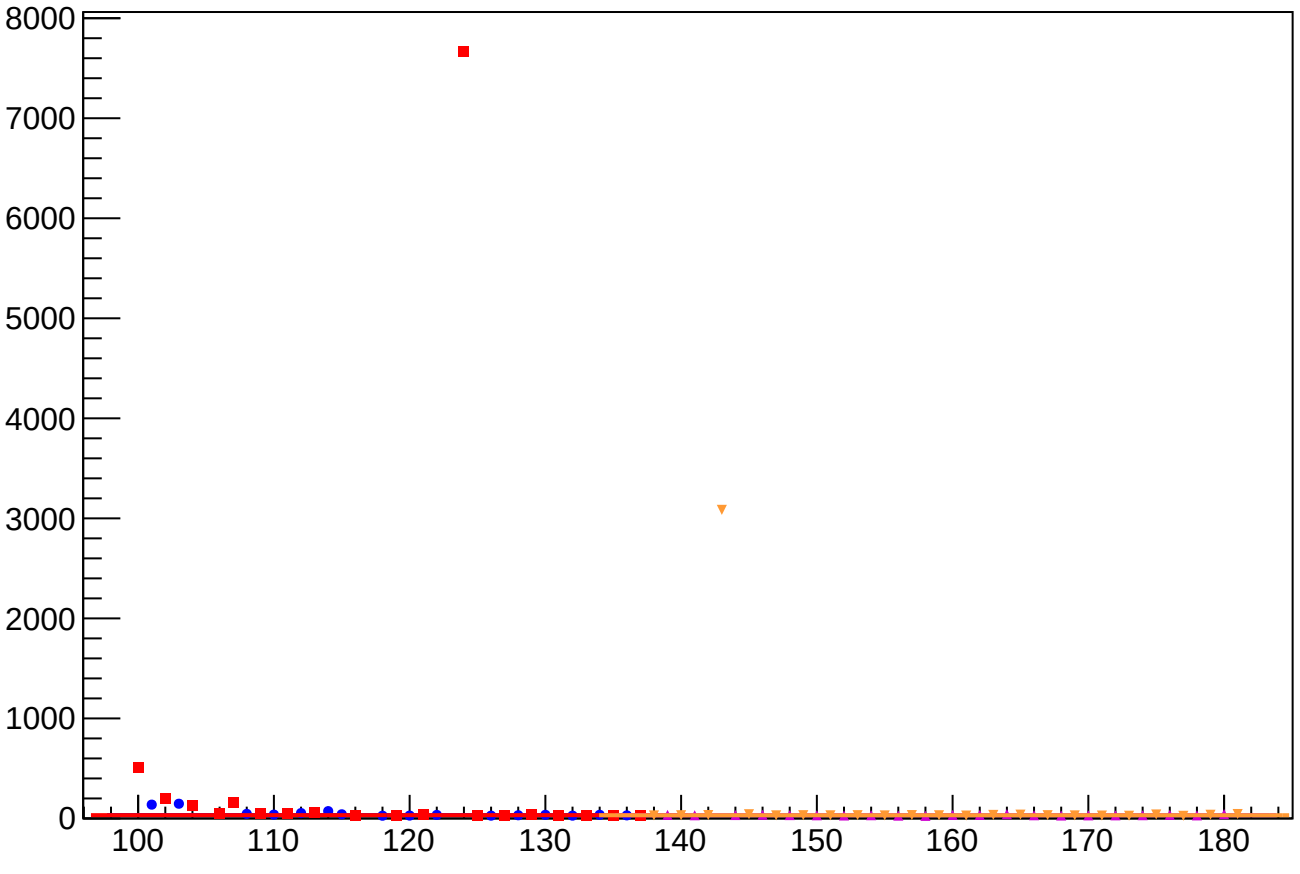
Right Out: 0.012+/-0.015 χ^2/NDF: 14.2/18

Left In: 0.005+/-0.009 χ^2/NDF:20.1/20

+ sign -0.005+/-0.007 χ^2/NDF: 57.5/38

All: 0.001+/-0.005 χ^2/NDF: 93.2/78

- sign 0.007+/-0.007 χ^2/NDF: 34.4/39



Right In: 34.055+/-0.010 χ^2/NDF: 1717254.5/15

Left Out: 32.296+/-0.006 χ^2/NDF:2045564.0/22

Right Out: 33.083+/-0.011 χ^2/NDF: 2075105.8/18

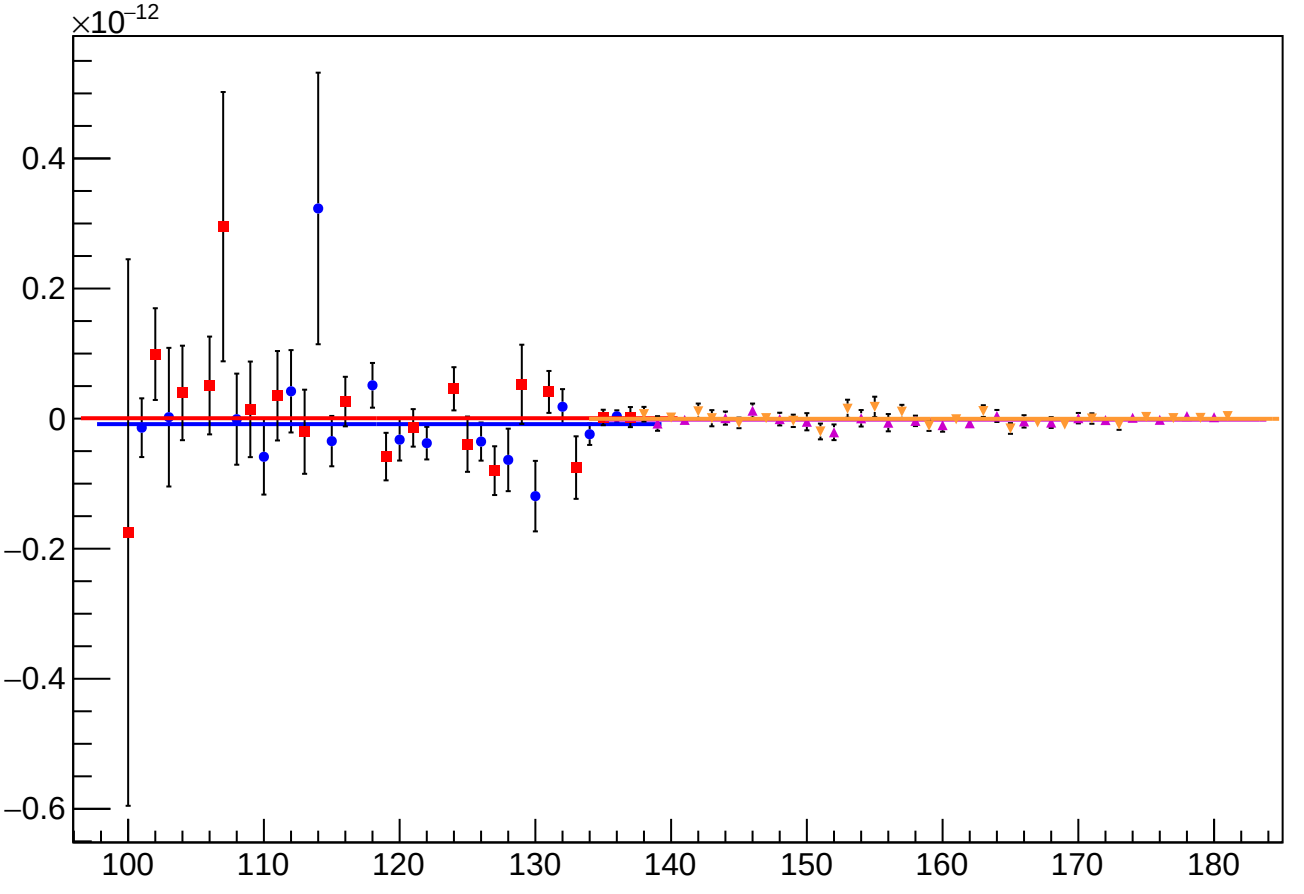
Left In: 32.698+/-0.006 χ^2/NDF:390376.7/20

+ sign 32.732+/-0.005 χ^2/NDF: 3784217.5/38

All: 32.763+/-0.004 χ^2/NDF: 6250781.8/78

- sign 32.795+/-0.005 χ^2/NDF: 2466492.0/39

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:20.1/22

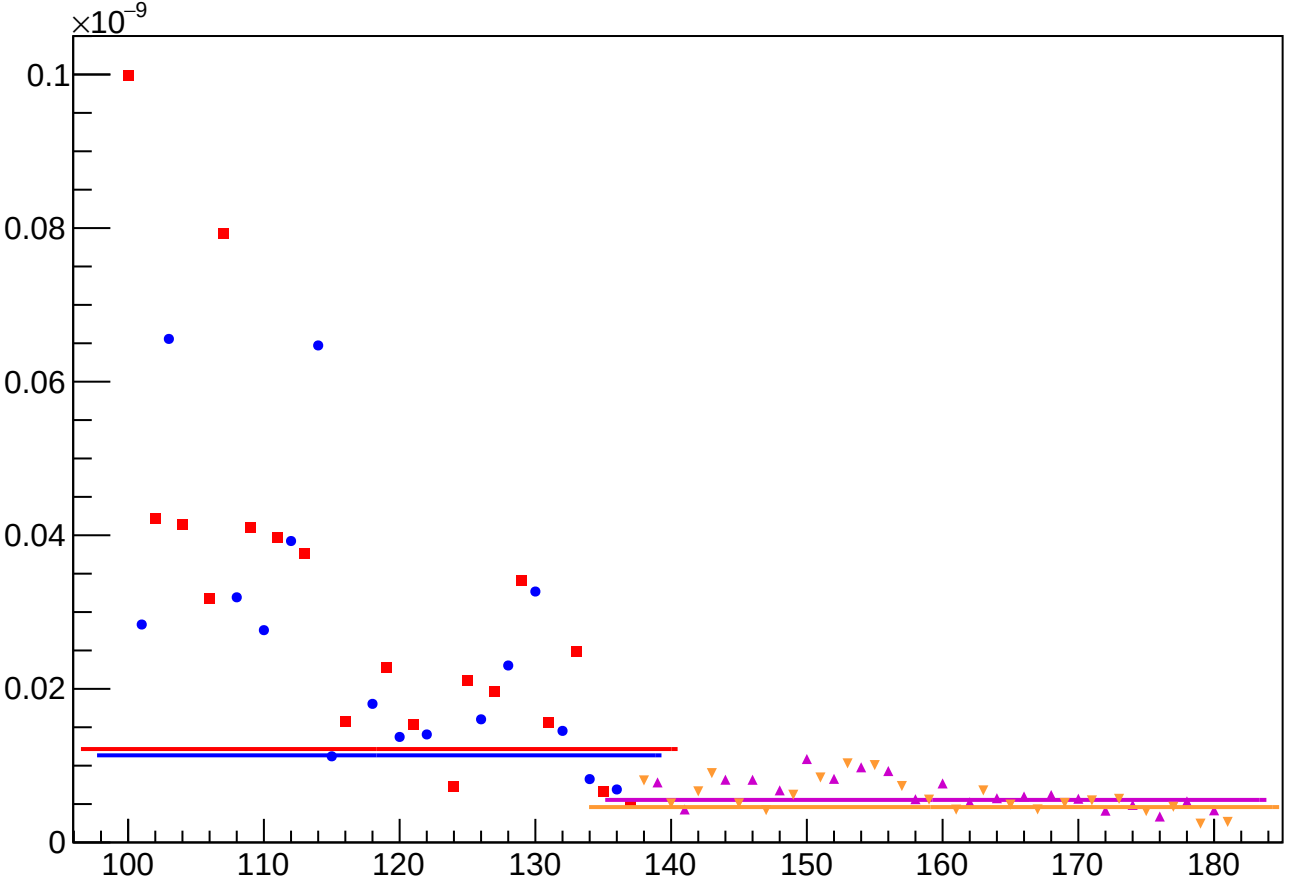
Right Out: 0.000+/-0.000 χ^2/NDF: 20.8/18

Left In: -0.000+/-0.000 χ^2/NDF:8.2/20

+ sign -0.000+/-0.000 χ^2/NDF: 40.9/38

All: -0.000+/-0.000 χ^2/NDF: 70.0/78

- sign -0.000+/-0.000 χ^2/NDF: 29.1/39



Right In: 0.000+/-0.000 χ^2/NDF: 2813598.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:2786387.4/22

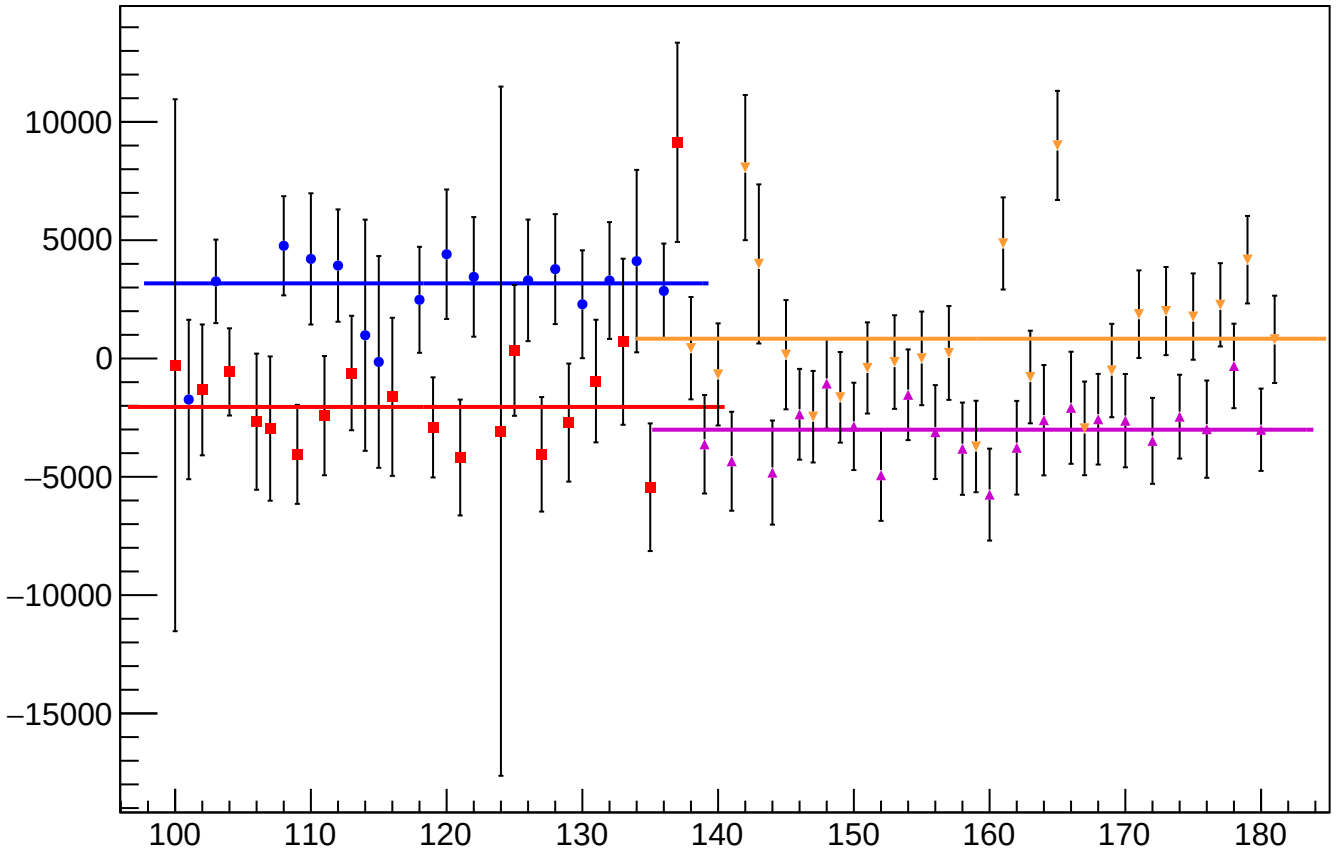
Right Out: 0.000+/-0.000 χ^2/NDF: 3757412.0/18

Left In: 0.000+/-0.000 χ^2/NDF:1944232.2/20

+ sign 0.000+/-0.000 χ^2/NDF: 7698833.4/38

All: 0.000+/-0.000 χ^2/NDF: 15326627.2/78

- sign 0.000+/-0.000 χ^2/NDF: 7277320.5/39



Right In: 3175.599+/-627.992 χ^2/NDF: 4.3/15

Left Out: 836.959+/-420.032 χ^2/NDF:44.6/22

Right Out: -2047.403+/-621.498 χ^2/NDF: 14.0/18

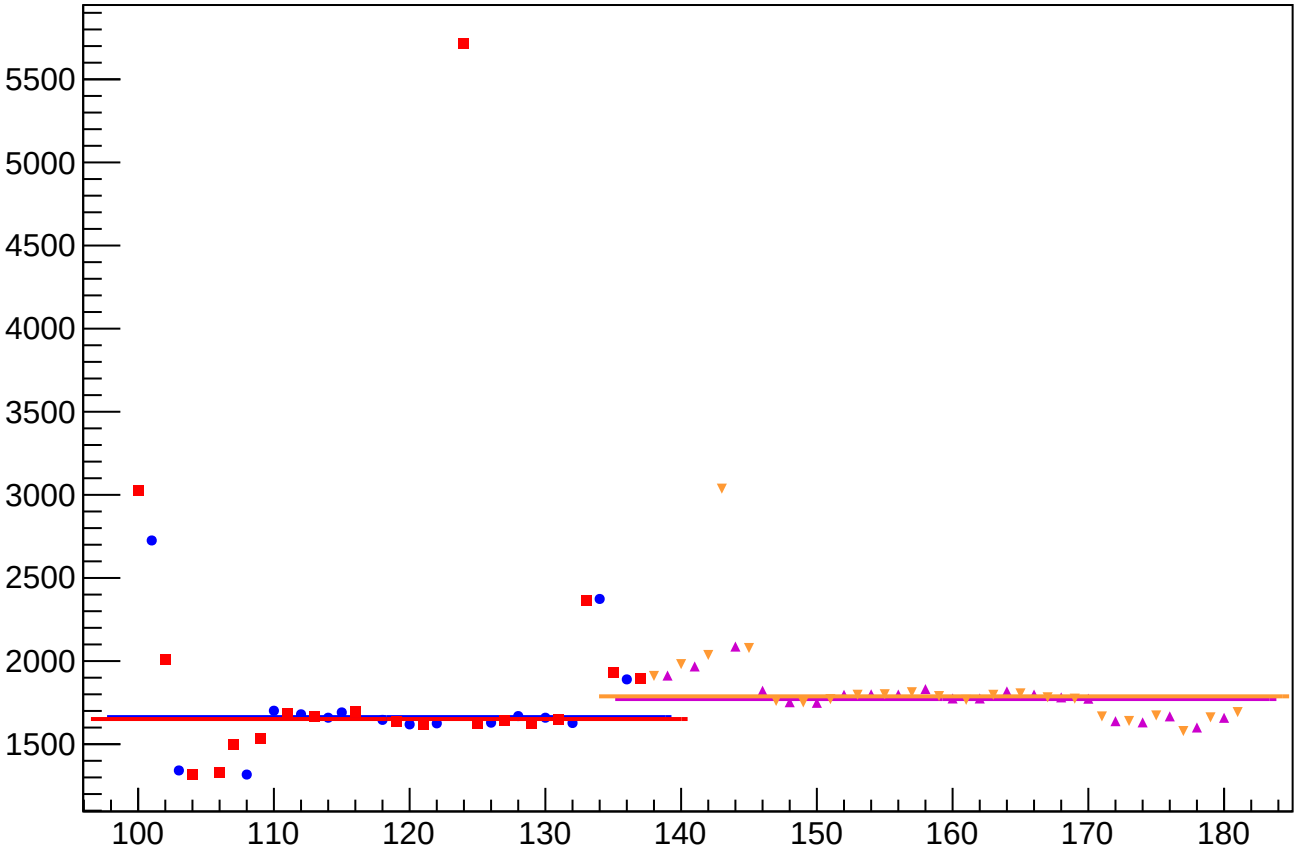
Left In: -3008.641+/-427.335 χ^2/NDF:9.0/20

+ sign 1559.800+/-349.135 χ^2/NDF: 58.5/38

All: -551.963+/-247.927 χ^2/NDF: 157.0/78

- sign -2700.074+/-352.127 χ^2/NDF: 24.6/39

reg_asym_at2_avg_rms vs Slug



Right In: 1662.901+/-0.444 χ^2/NDF: 415630.7/15

Left Out: 1787.832+/-0.297 χ^2/NDF:417950.4/22

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.1/18

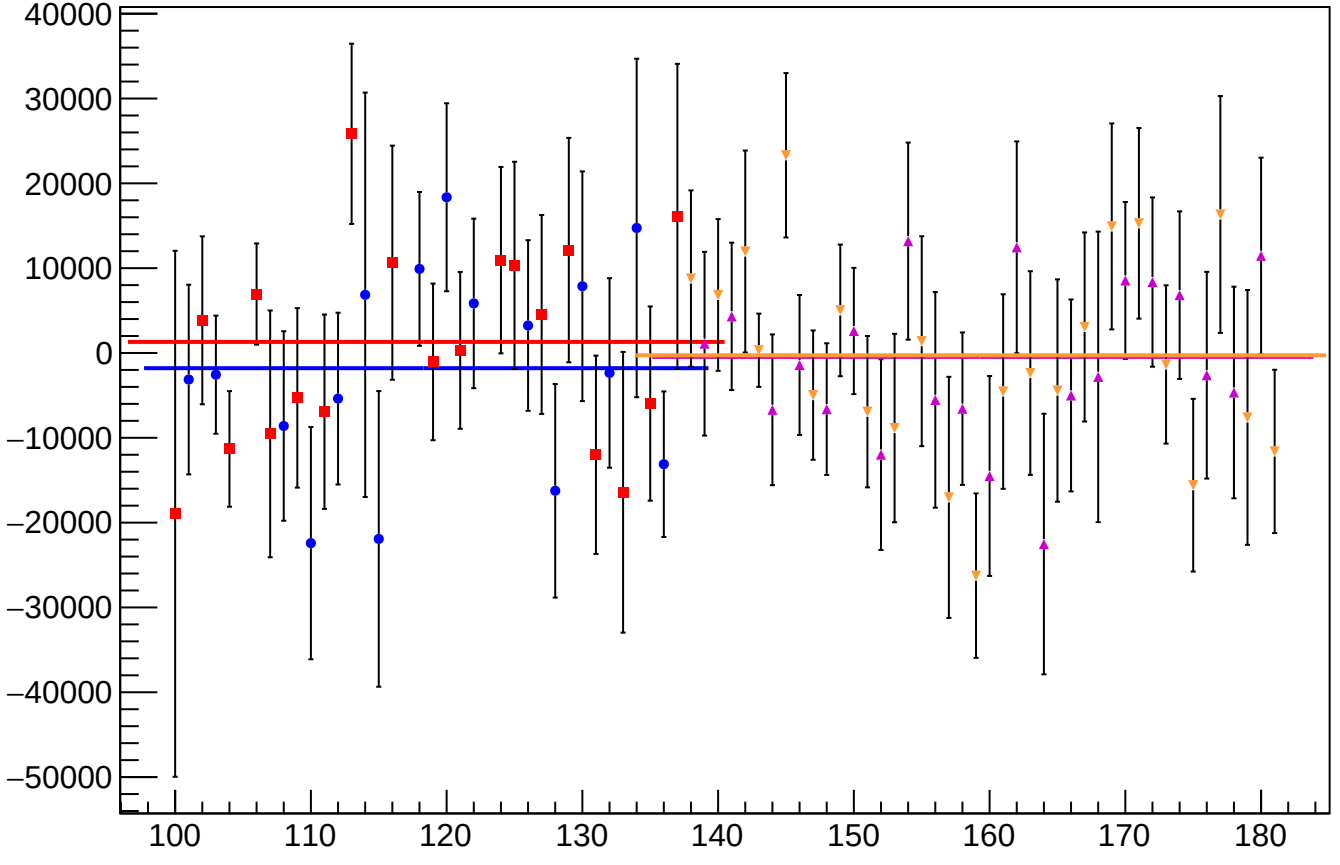
Left In: 1771.536+/-0.302 χ^2/NDF:129214.1/20

+ sign 1749.218+/-0.247 χ^2/NDF: 888268.0/38

All: 1741.151+/-0.175 χ^2/NDF: 1502407.9/78

- sign 1732.946+/-0.249 χ^2/NDF: 611986.4/39

asym_at2_avg_reg_correction_mean vs Slug



Right In: -1791.030+/-2743.617 χ^2/NDF: 14.3/15

Left Out: -272.327+/-1983.098 χ^2/NDF:28.1/22

Right Out: 1306.311+/-2430.063 χ^2/NDF: 17.7/18

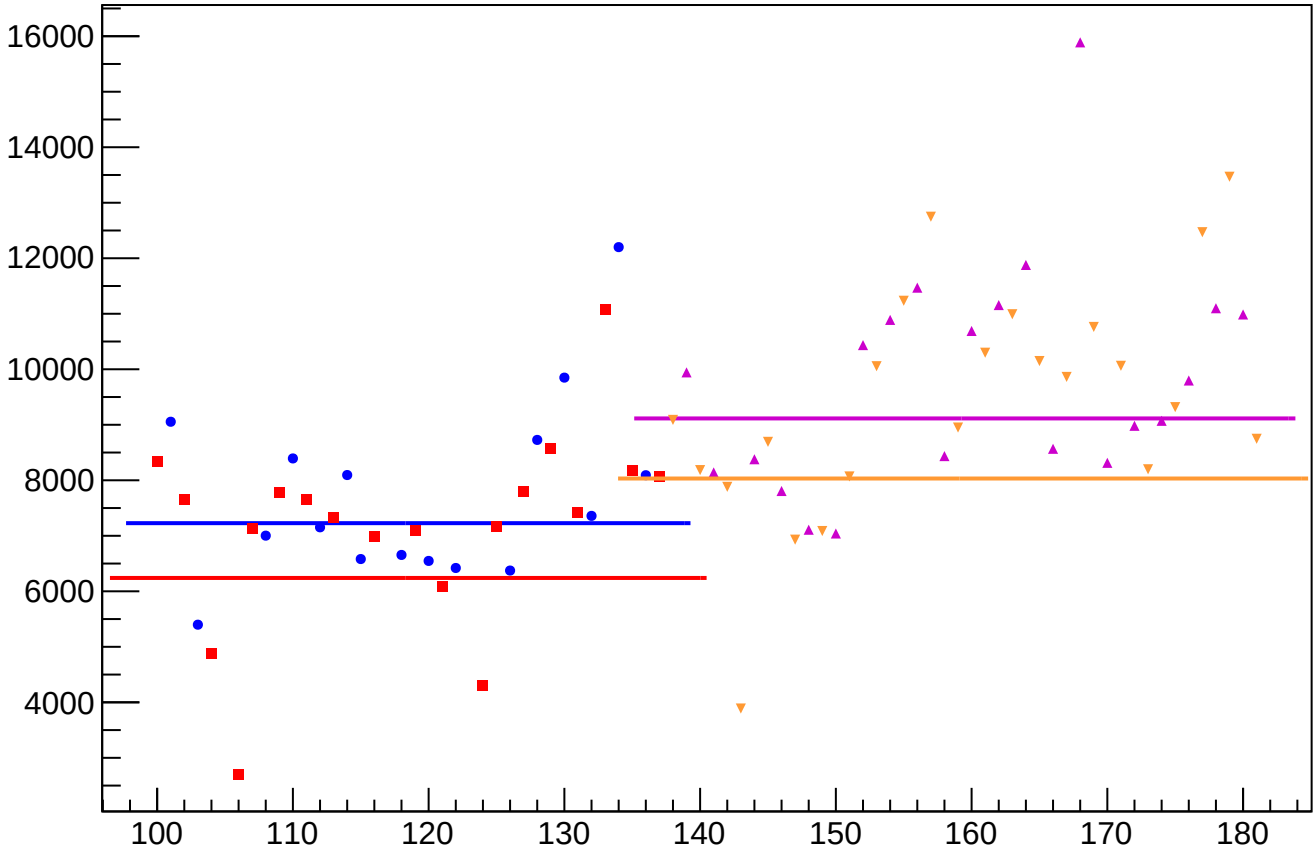
Left In: -460.699+/-2239.642 χ^2/NDF:12.9/20

+ sign -793.488+/-1607.212 χ^2/NDF: 42.7/38

All: -235.255+/-1150.238 χ^2/NDF: 73.8/78

- sign 350.871+/-1646.876 χ^2/NDF: 30.9/39

asym_at2_avg_reg_correction_rms vs Slug



Right In: 7227.590+/-1.940 χ^2/NDF: 503260.9/15

Left Out: 8031.987+/-1.402 χ^2/NDF:3361589.2/22

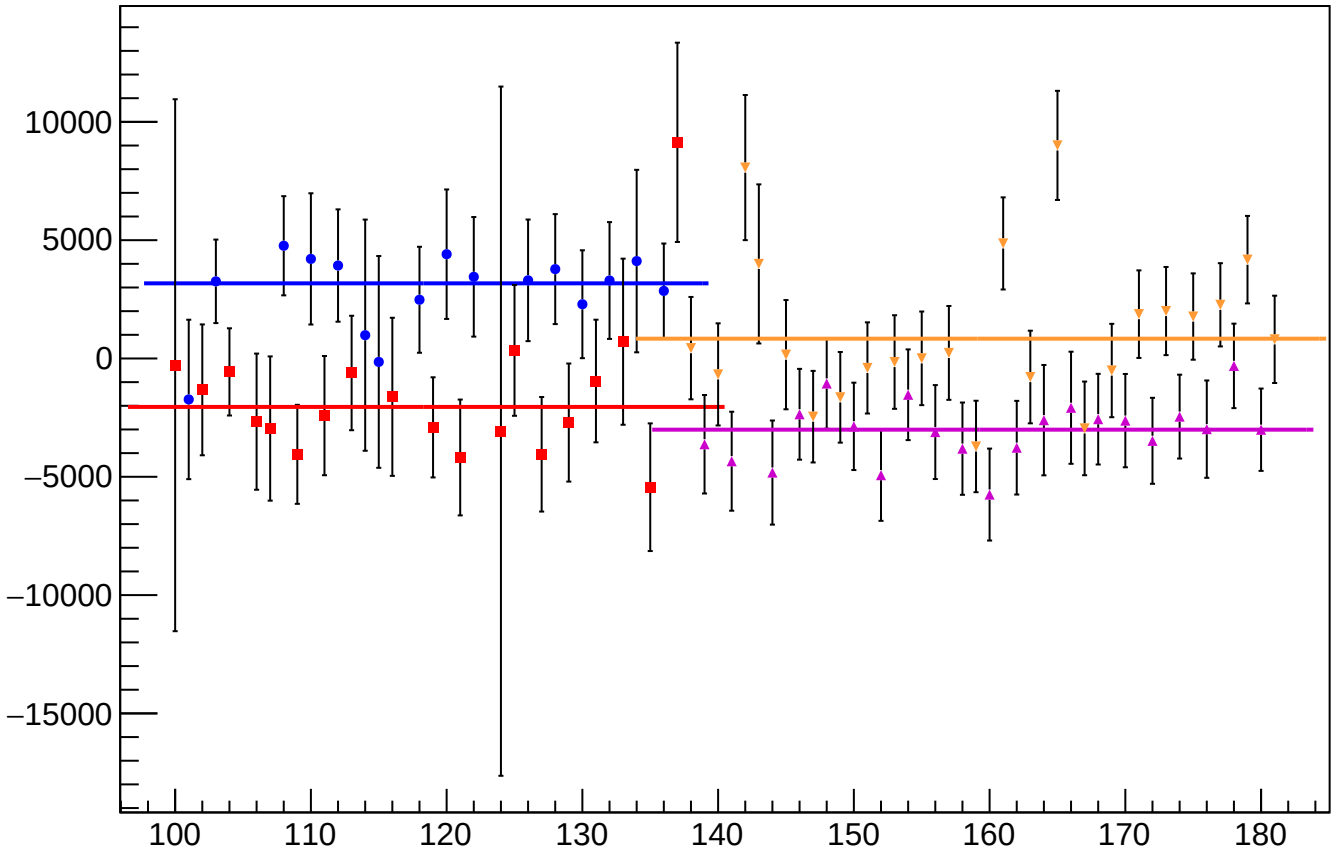
Right Out: 6240.557+/-1.718 χ^2/NDF: 1399077.4/18

Left In: 9114.285+/-1.584 χ^2/NDF:1140168.4/20

+ sign 7755.948+/-1.136 χ^2/NDF: 3977772.8/38

All: 7774.711+/-0.813 χ^2/NDF: 8029921.8/78

- sign 7794.411+/-1.165 χ^2/NDF: 4051590.3/39



Right In: 3175.689+/-627.992 χ^2/NDF: 4.3/15

Left Out: 836.859+/-420.032 χ^2/NDF:44.7/22

Right Out: -2047.209+/-621.498 χ^2/NDF: 14.0/18

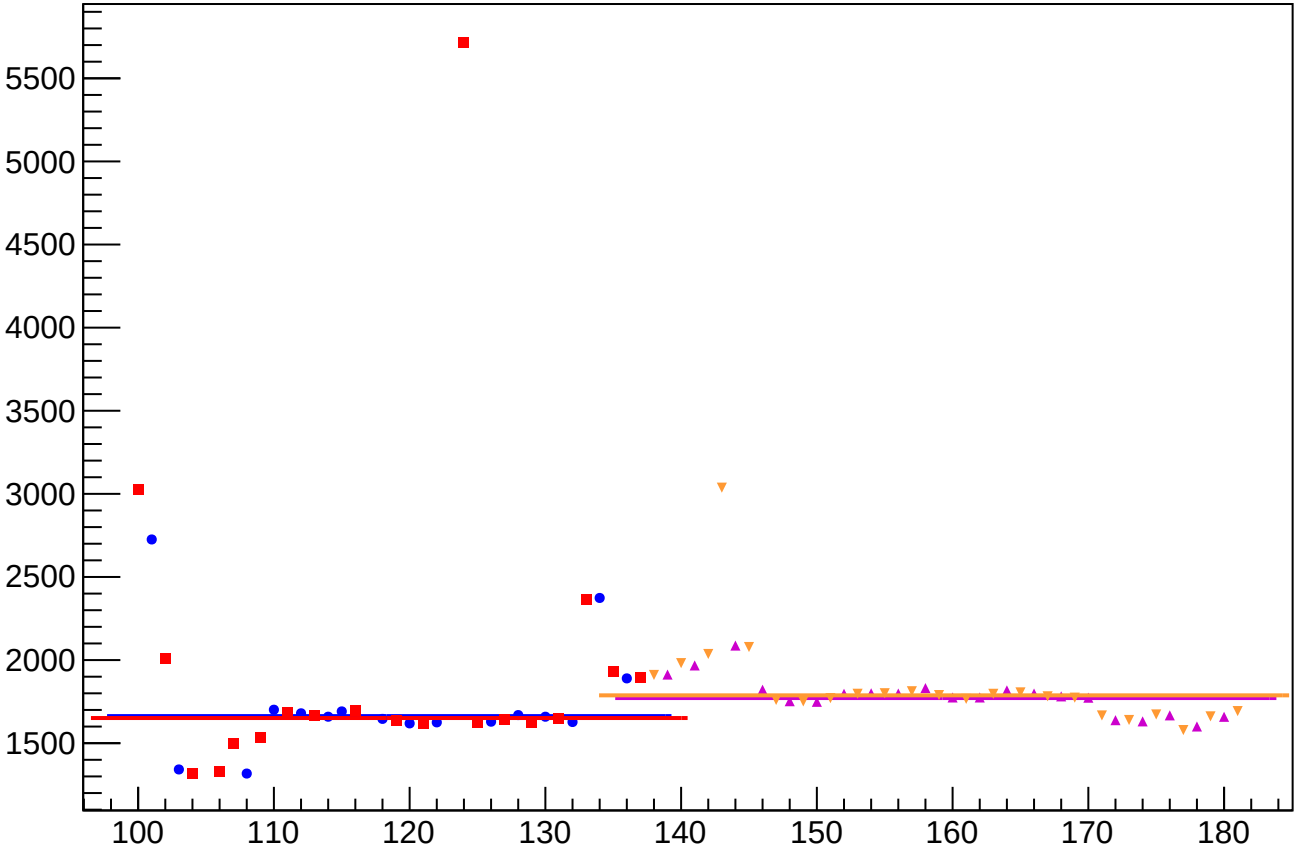
Left In: -3008.527+/-427.335 χ^2/NDF:9.0/20

+ sign 1559.759+/-349.135 χ^2/NDF: 58.5/38

All: -551.915+/-247.927 χ^2/NDF: 157.0/78

- sign -2699.934+/-352.127 χ^2/NDF: 24.6/39

cor_asym_at2_avg_rms vs Slug



Right In: 1662.901+/-0.444 χ^2/NDF: 415631.0/15

Left Out: 1787.832+/-0.297 χ^2/NDF:417950.3/22

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.2/18

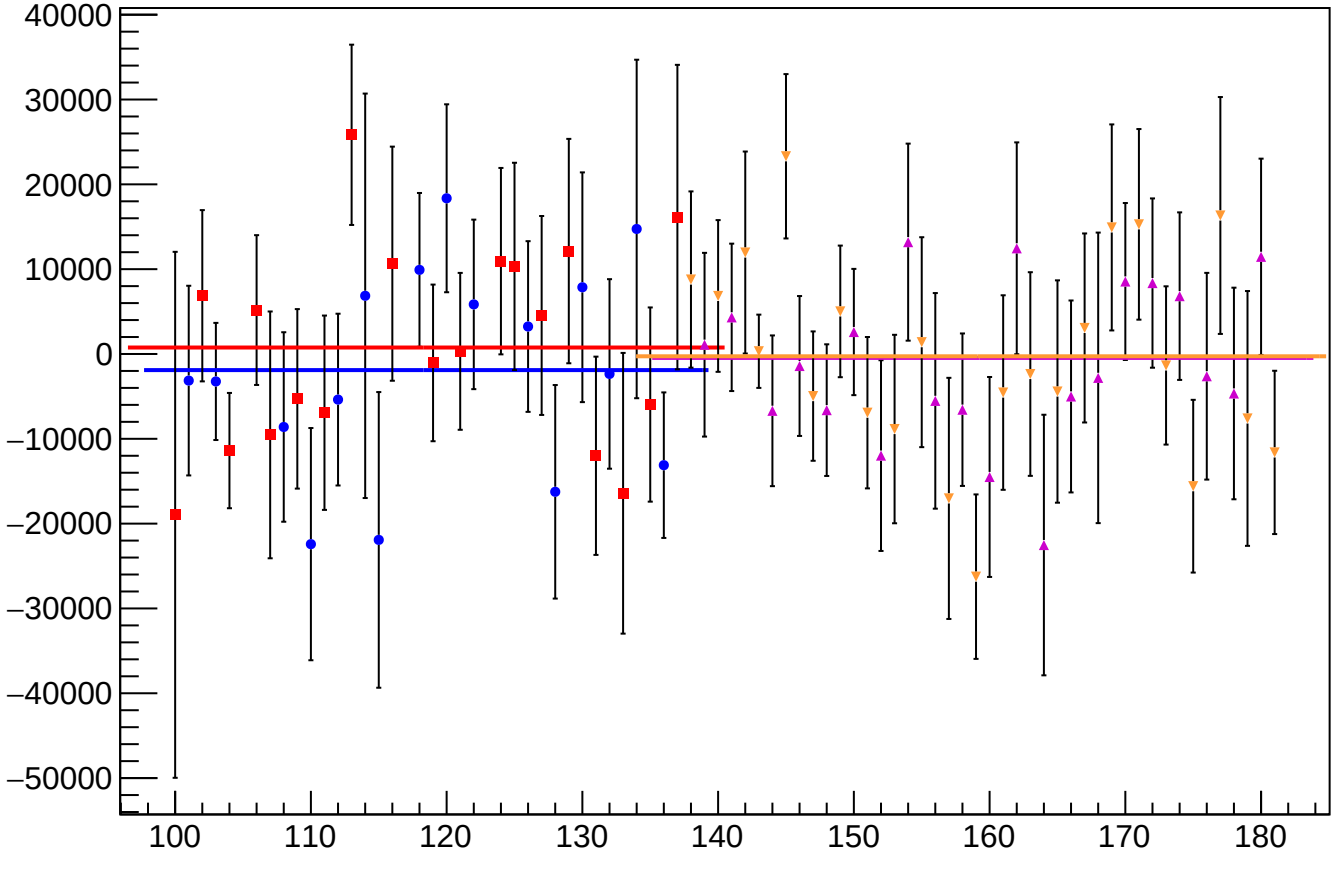
Left In: 1771.536+/-0.302 χ^2/NDF:129214.0/20

+ sign 1749.218+/-0.247 χ^2/NDF: 888268.4/38

All: 1741.151+/-0.175 χ^2/NDF: 1502408.6/78

- sign 1732.946+/-0.249 χ^2/NDF: 611986.6/39

asym_at2_avg_cor_correction_mean vs Slug



Right In: -1900.125+/-2739.954 χ^2/NDF: 14.4/15

Left Out: -272.387+/-1983.093 χ^2/NDF:28.1/22

Right Out: 762.513+/-2549.943 χ^2/NDF: 17.3/18

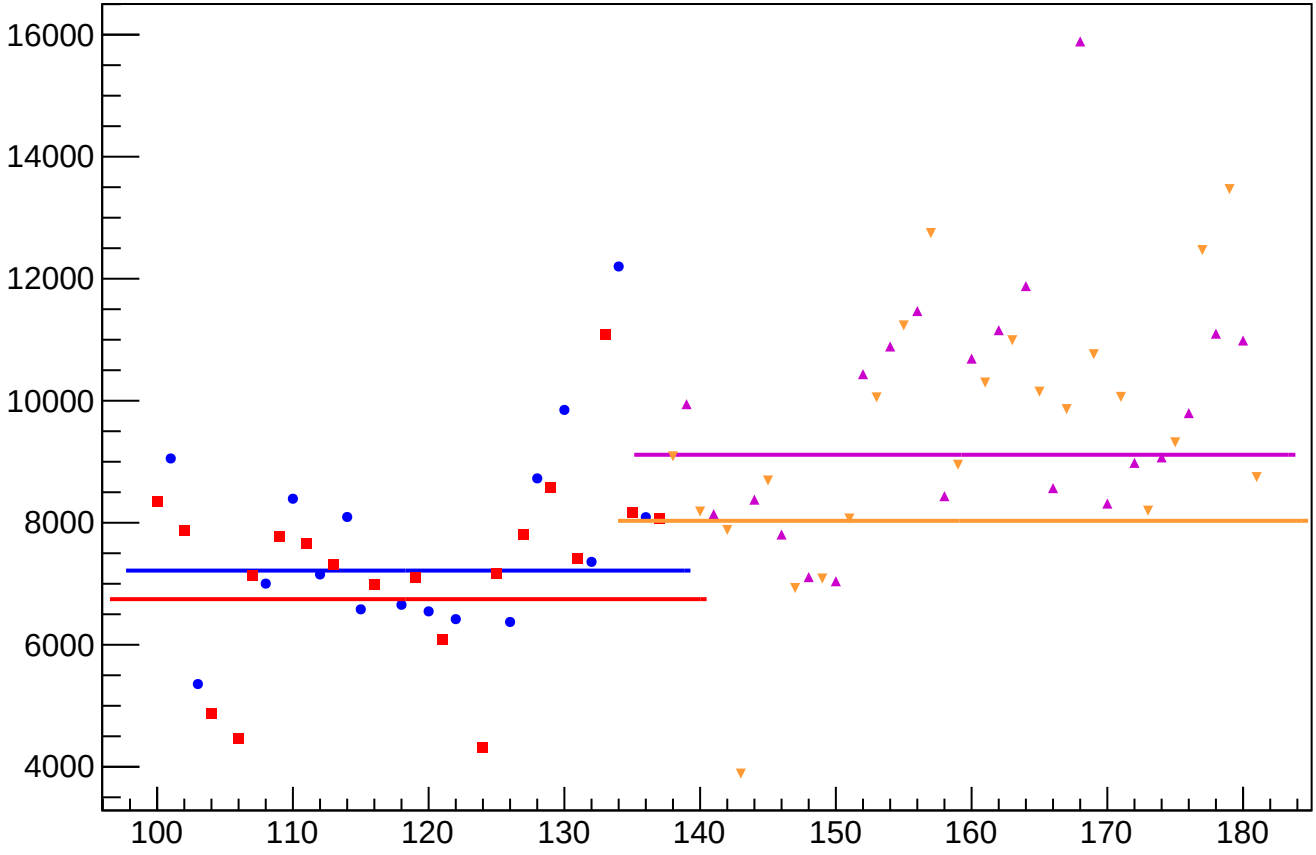
Left In: -460.737+/-2239.640 χ^2/NDF:12.9/20

+ sign -831.944+/-1606.472 χ^2/NDF: 42.7/38

All: -400.935+/-1161.974 χ^2/NDF: 73.2/78

- sign 71.968+/-1682.738 χ^2/NDF: 30.3/39

asym_at2_avg_cor_correction_rms vs Slug



Right In: 7216.029+/-1.937 χ^2/NDF: 512126.4/15

Left Out: 8031.958+/-1.402 χ^2/NDF:3361665.5/22

Right Out: 6747.736+/-1.803 χ^2/NDF: 708793.3/18

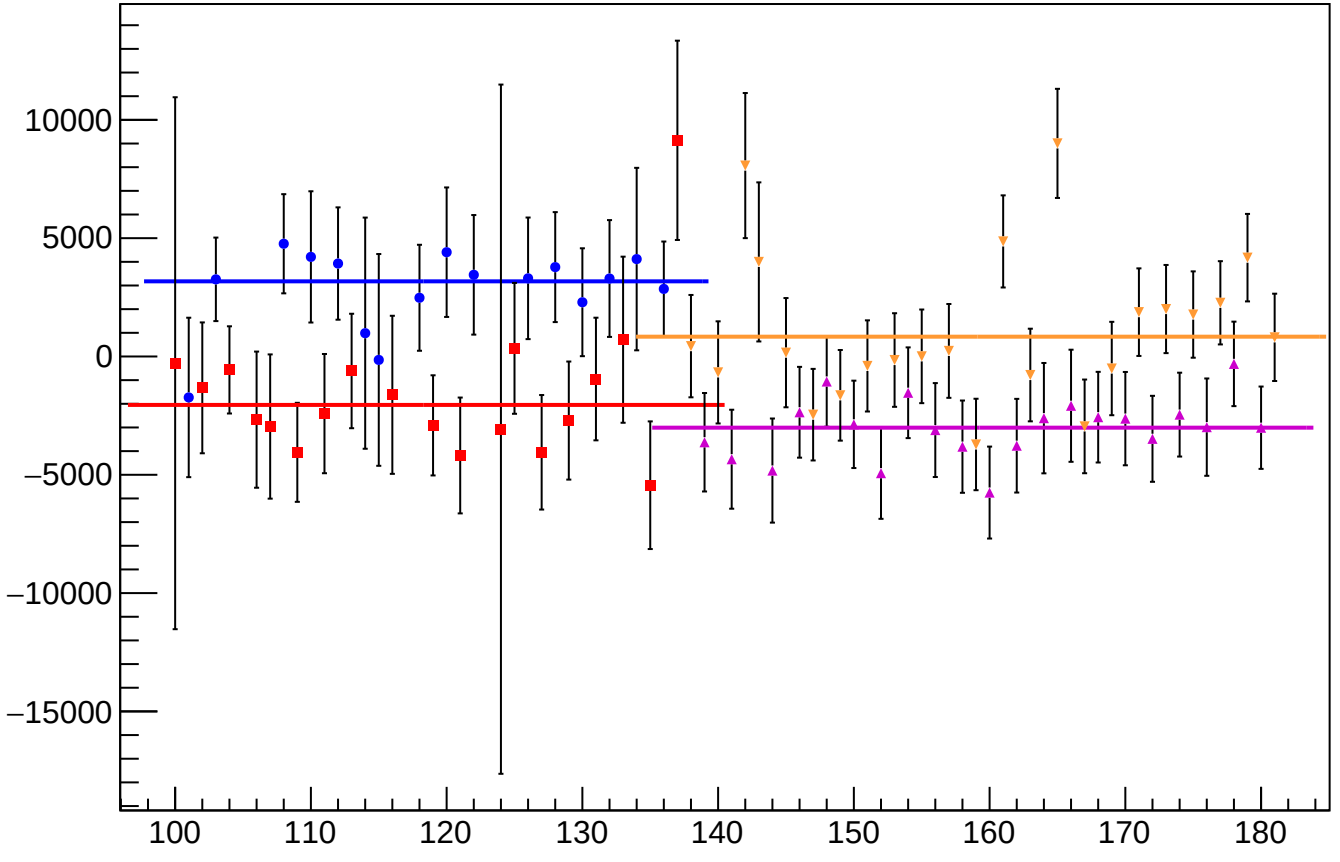
Left In: 9114.278+/-1.584 χ^2/NDF:1140171.8/20

\+ sign 7751.471+/-1.136 χ^2/NDF: 3990179.7/38

All: 7909.880+/-0.822 χ^2/NDF: 6852392.5/78

\- sign 8083.687+/-1.190 χ^2/NDF: 2821429.2/39

eigen_cor_asym_at2_avg_mean vs Slug



Right In: 3175.689+/-627.992 χ^2/NDF: 4.3/15

Left Out: 836.859+/-420.032 χ^2/NDF:44.7/22

Right Out: -2047.209+/-621.498 χ^2/NDF: 14.0/18

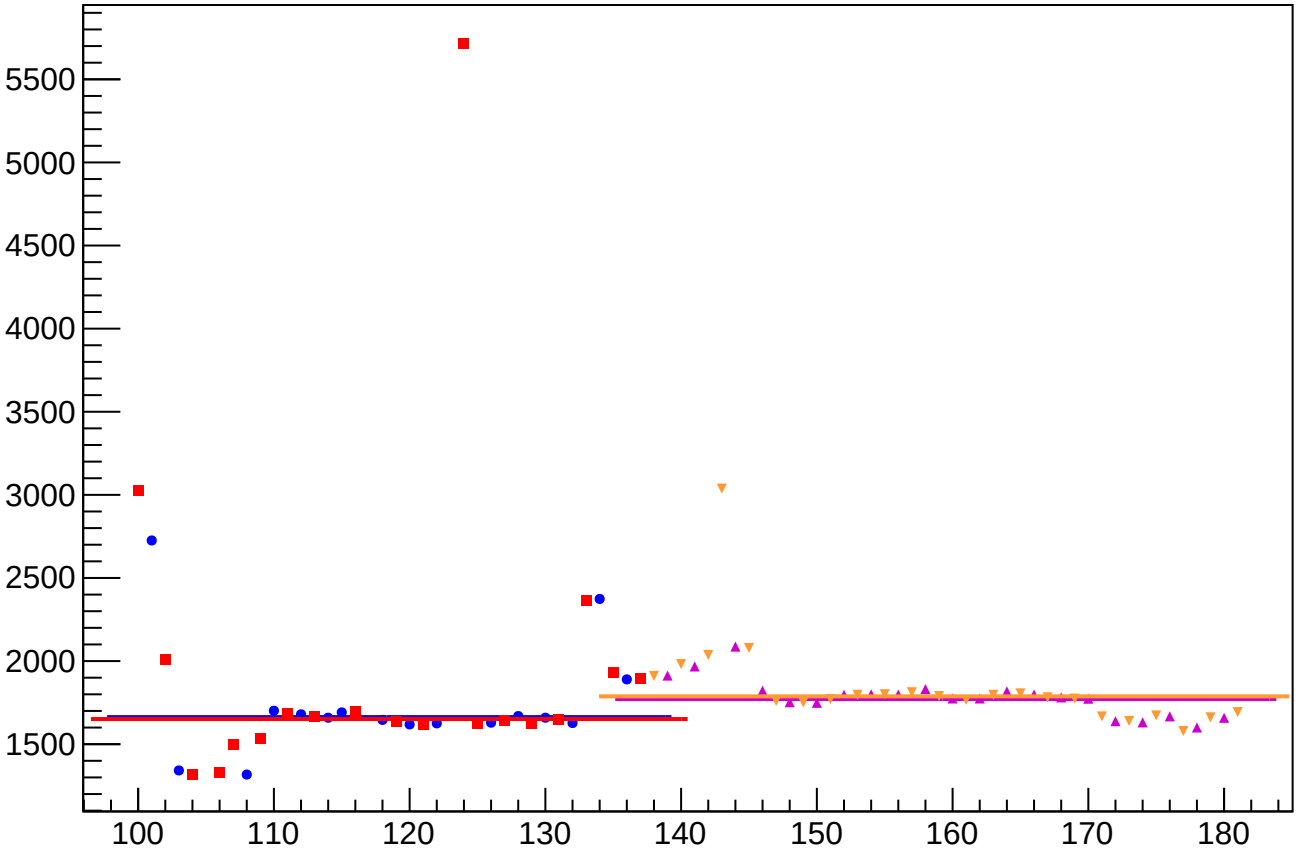
Left In: -3008.527+/-427.335 χ^2/NDF:9.0/20

+ sign 1559.759+/-349.135 χ^2/NDF: 58.5/38

All: -551.915+/-247.927 χ^2/NDF: 157.0/78

- sign -2699.934+/-352.127 χ^2/NDF: 24.6/39

eigen_cor_asym_at2_avg_rms vs Slug



Right In: 1662.901+/-0.444 χ^2/NDF: 415631.0/15

Left Out: 1787.832+/-0.297 χ^2/NDF:417950.3/22

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.2/18

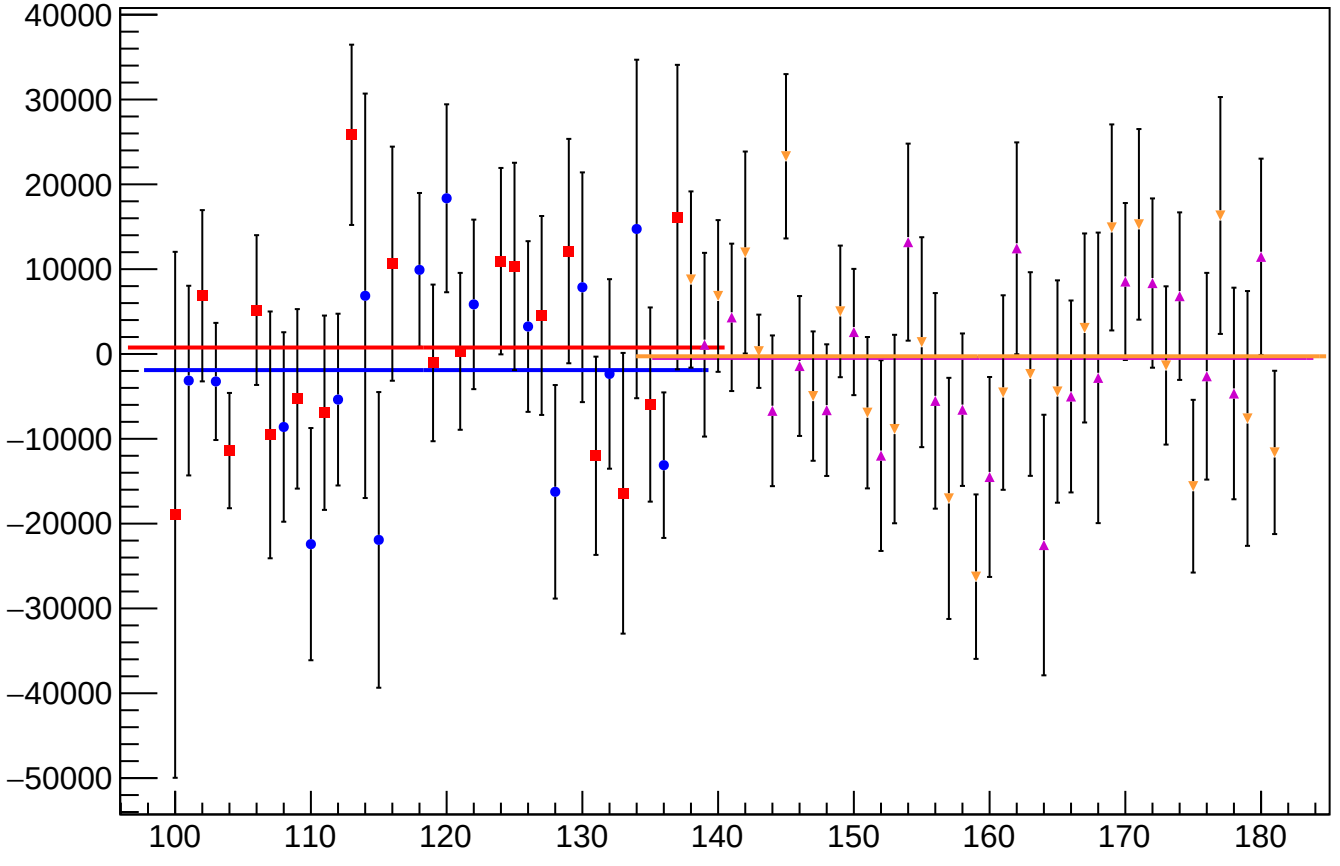
Left In: 1771.536+/-0.302 χ^2/NDF:129214.0/20

+ sign 1749.218+/-0.247 χ^2/NDF: 888268.4/38

All: 1741.151+/-0.175 χ^2/NDF: 1502408.6/78

- sign 1732.946+/-0.249 χ^2/NDF: 611986.6/39

asym_at2_avg_eigen_cor_correction_mean vs Slug



Right In: -1900.125+/-2739.954 χ^2/NDF: 14.4/15

Left Out: -272.387+/-1983.093 χ^2/NDF:28.1/22

Right Out: 762.513+/-2549.943 χ^2/NDF: 17.3/18

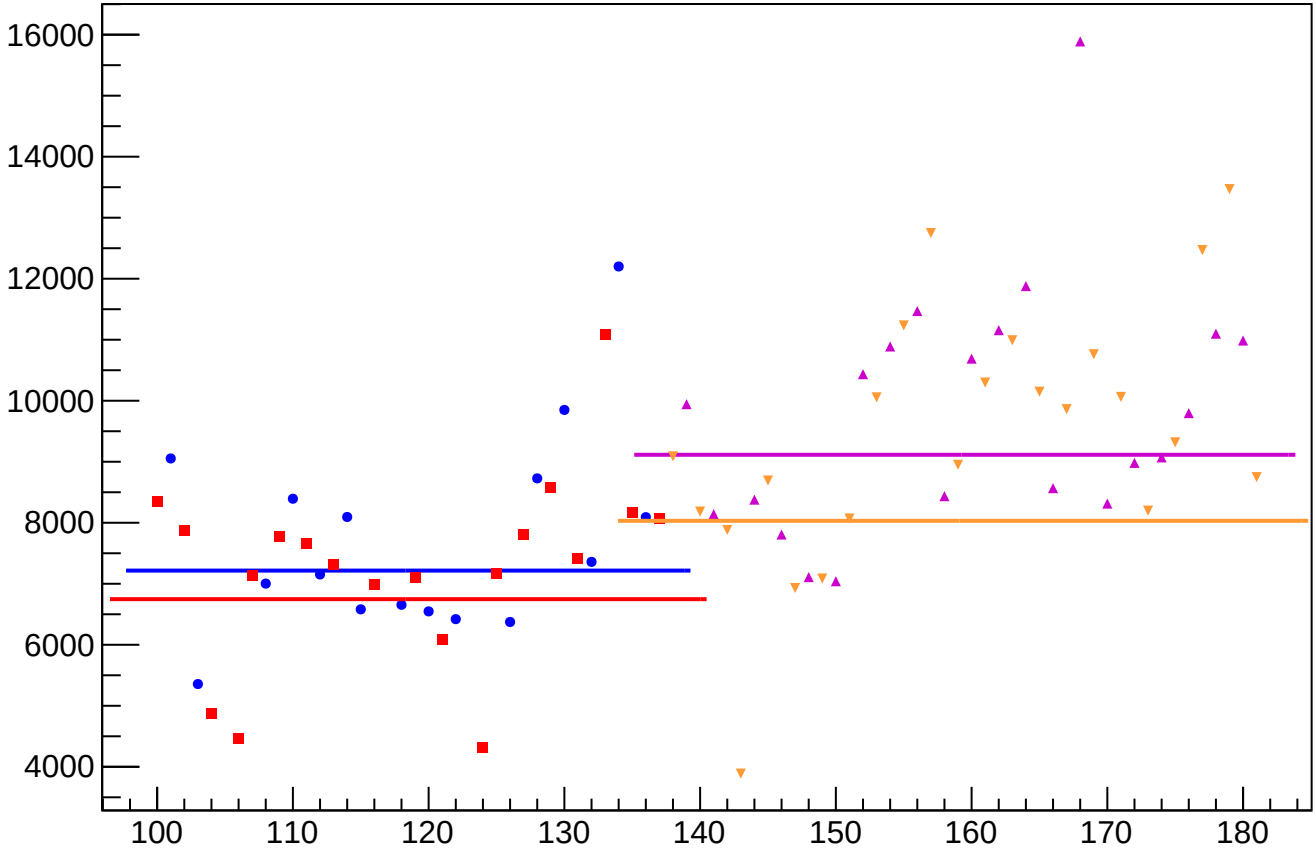
Left In: -460.737+/-2239.640 χ^2/NDF:12.9/20

\+ sign -831.944+/-1606.472 χ^2/NDF: 42.7/38

All: -400.935+/-1161.974 χ^2/NDF: 73.2/78

\- sign 71.968+/-1682.738 χ^2/NDF: 30.3/39

asym_at2_avg_eigen_cor_correction_rms vs Slug



Right In: 7216.029+/-1.937 χ^2/NDF: 512126.4/15

Left Out: 8031.958+/-1.402 χ^2/NDF:3361665.5/22

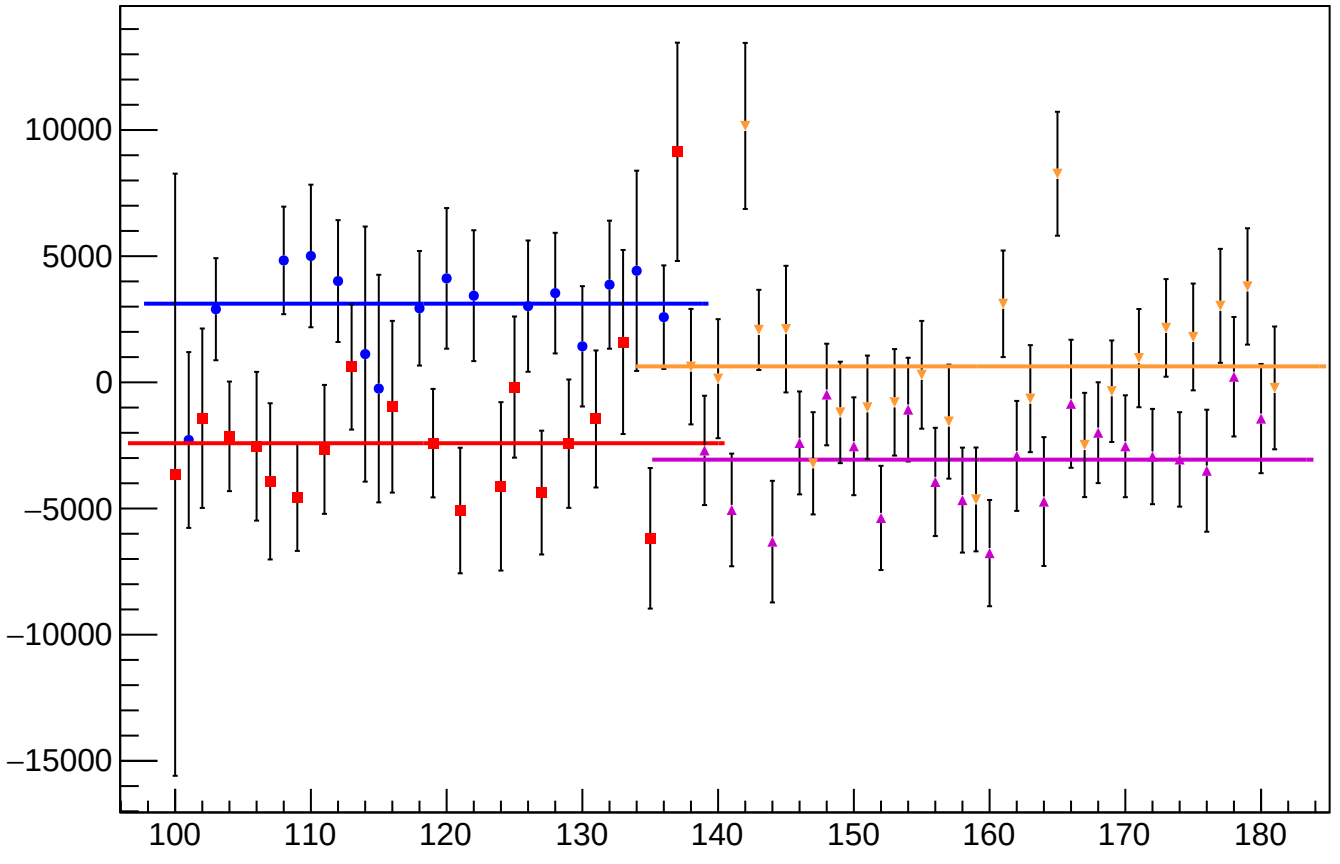
Right Out: 6747.736+/-1.803 χ^2/NDF: 708793.3/18

Left In: 9114.278+/-1.584 χ^2/NDF:1140171.8/20

+ sign 7751.471+/-1.136 χ^2/NDF: 3990179.7/38

All: 7909.880+/-0.822 χ^2/NDF: 6852392.5/78

- sign 8083.687+/-1.190 χ^2/NDF: 2821429.2/39



Right In: 3117.878+/-651.119 χ^2/NDF: 5.3/15

Left Out: 632.764+/-446.108 χ^2/NDF:40.6/22

Right Out: -2412.473+/-639.018 χ^2/NDF: 16.0/18

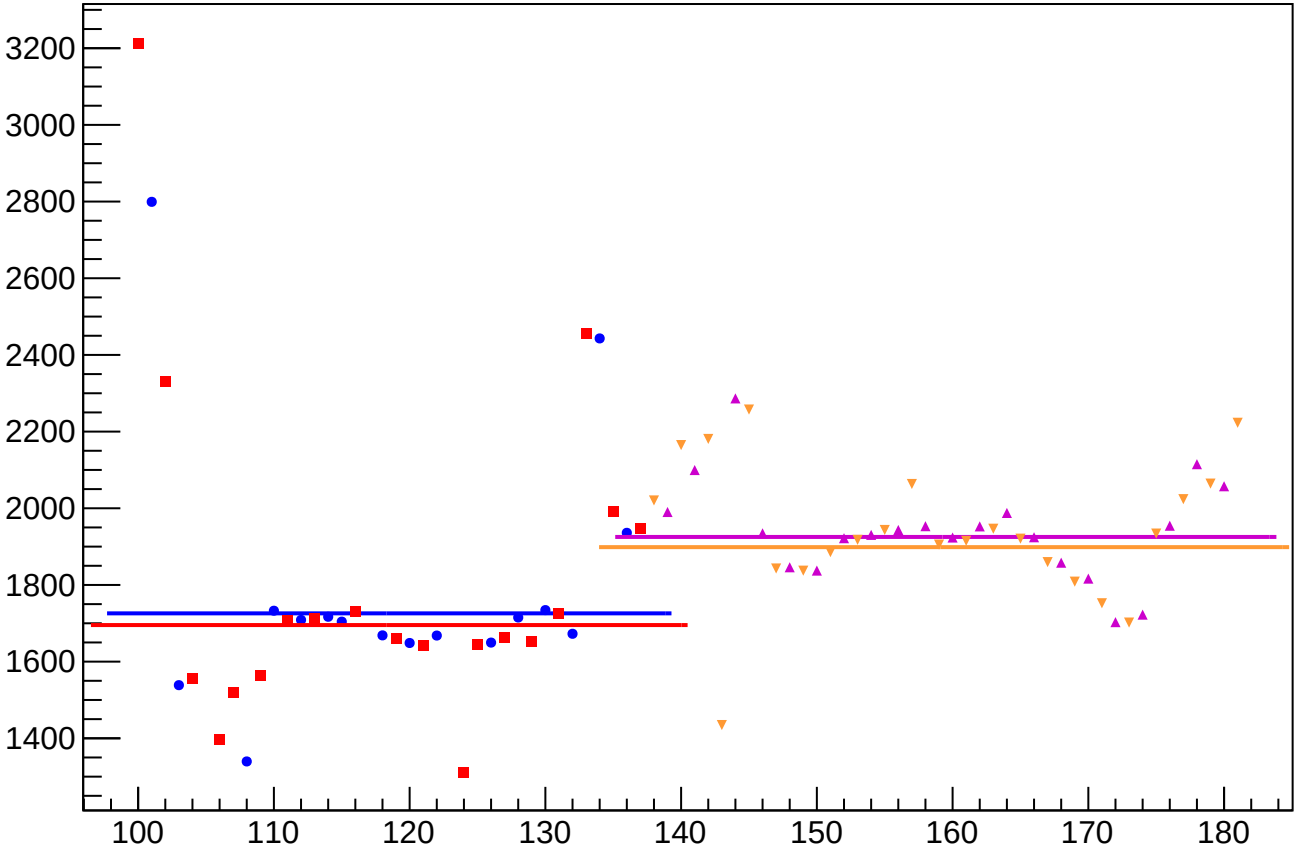
Left In: -3063.695+/-464.852 χ^2/NDF:14.6/20

+ sign 1426.654+/-368.016 χ^2/NDF: 55.9/38

All: -660.584+/-262.974 χ^2/NDF: 152.9/78

- sign -2838.336+/-375.911 χ^2/NDF: 31.3/39

dit_asym_at2_avg_rms vs Slug



Right In: 1725.911+/-0.460 χ^2/NDF: 365638.9/15

Left Out: 1898.625+/-0.315 χ^2/NDF:363319.6/22

Right Out: 1695.387+/-0.452 χ^2/NDF: 285622.0/18

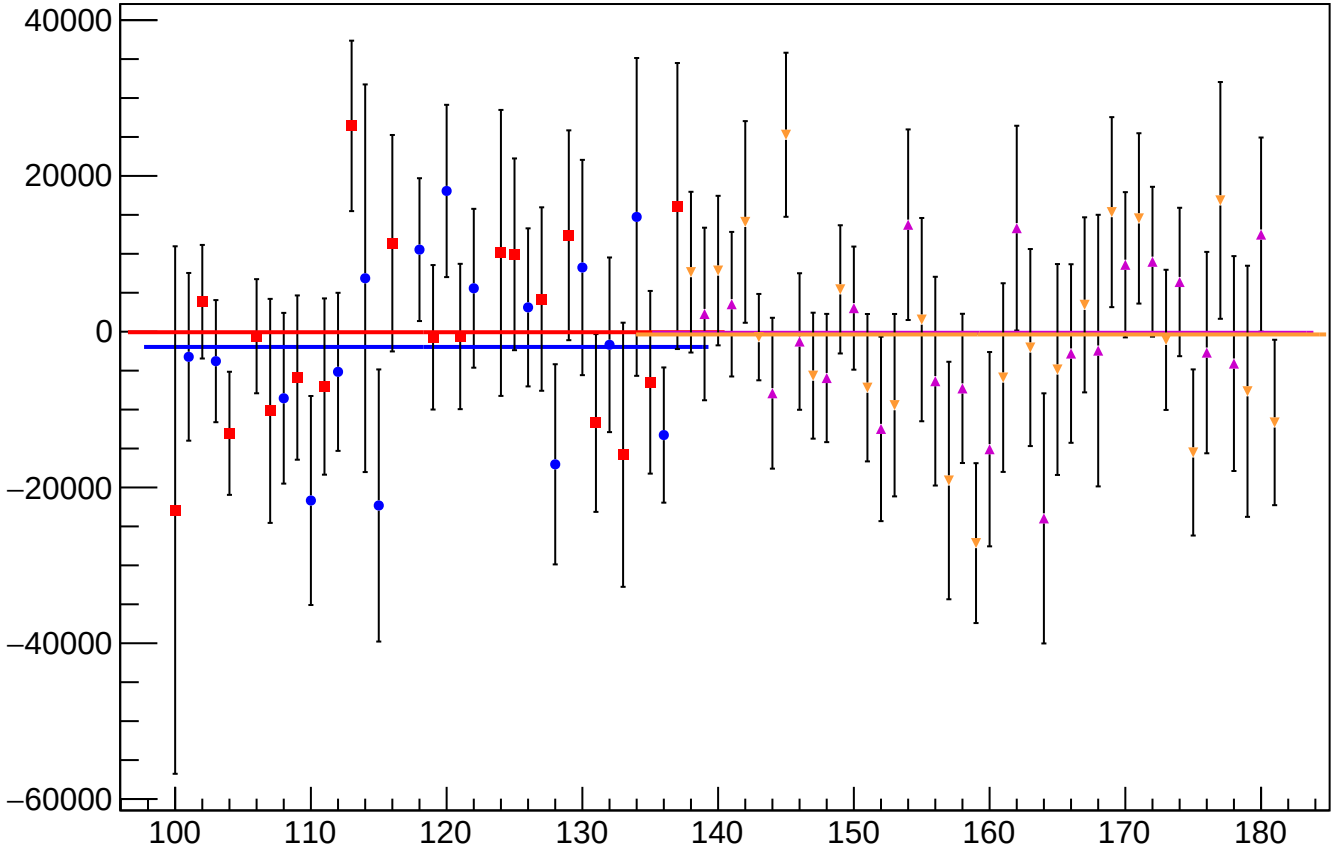
Left In: 1925.230+/-0.329 χ^2/NDF:148043.7/20

+ sign 1843.450+/-0.260 χ^2/NDF: 824726.8/38

All: 1844.528+/-0.186 χ^2/NDF: 1427712.8/78

- sign 1845.653+/-0.266 χ^2/NDF: 602950.9/39

asym_at2_avg_dit_correction_mean vs Slug



Right In: -1958.559+/-2798.309 χ^2/NDF: 14.4/15

Left Out: -354.044+/-2153.349 χ^2/NDF:27.5/22

Right Out: -68.156+/-2529.527 χ^2/NDF: 16.1/18

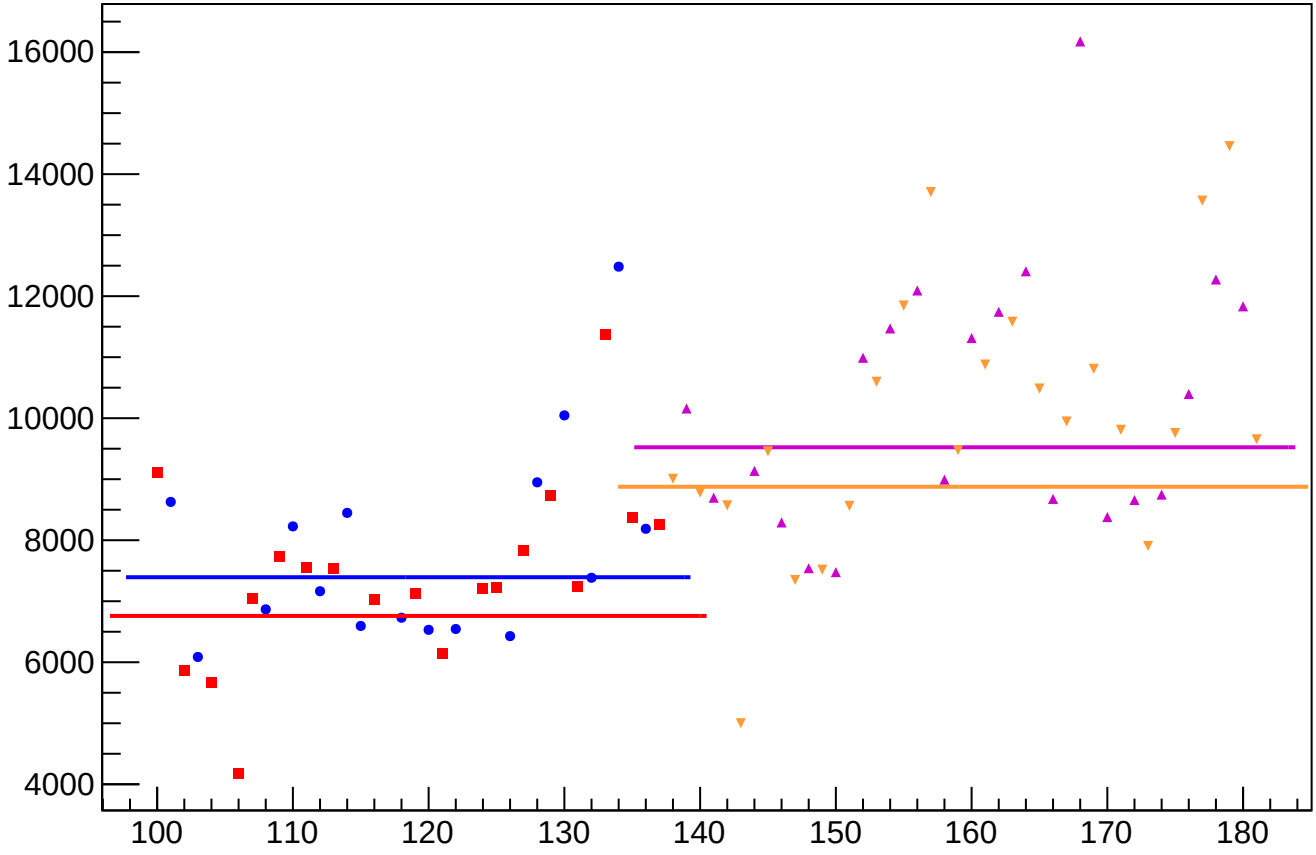
Left In: -141.577+/-2341.010 χ^2/NDF:12.8/20

+ sign -950.798+/-1706.559 χ^2/NDF: 42.1/38

All: -532.099+/-1210.789 χ^2/NDF: 71.1/78

- sign -107.704+/-1718.129 χ^2/NDF: 28.9/39

asym_at2_avg_dit_correction_rms vs Slug



Right In: 7393.622+/-1.979 χ^2/NDF: 401826.8/15

Left Out: 8876.725+/-1.523 χ^2/NDF:2203131.3/22

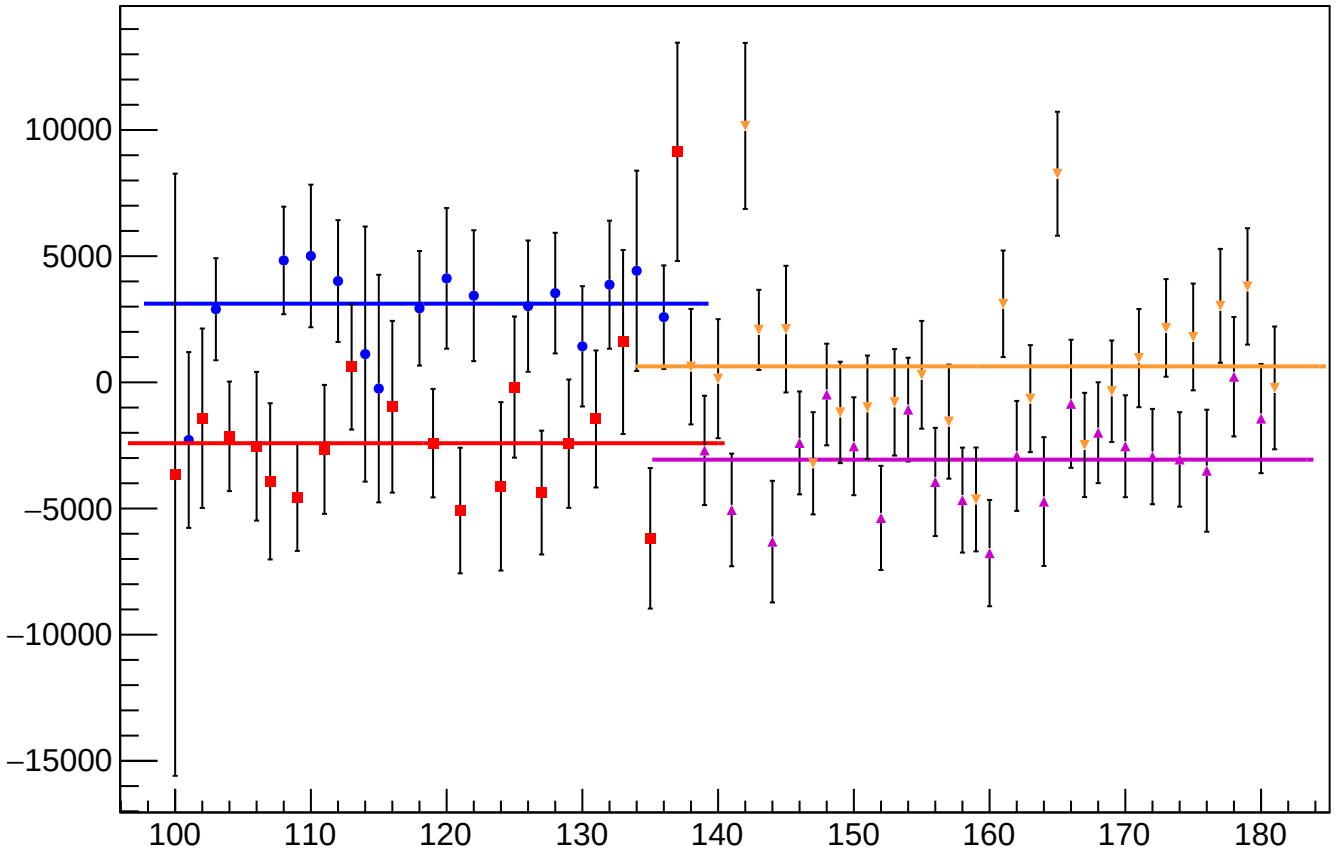
Right Out: 6759.428+/-1.789 χ^2/NDF: 644290.9/18

Left In: 9523.156+/-1.655 χ^2/NDF:1157998.5/20

+ sign 8325.127+/-1.207 χ^2/NDF: 2957812.2/38

All: 8286.875+/-0.856 χ^2/NDF: 6048141.8/78

- sign 8248.103+/-1.215 χ^2/NDF: 3088306.2/39



Right In: 3117.882+/-651.118 χ^2/NDF: 5.3/15

Left Out: 632.753+/-446.108 χ^2/NDF:40.6/22

Right Out: -2412.481+/-639.018 χ^2/NDF: 16.0/18

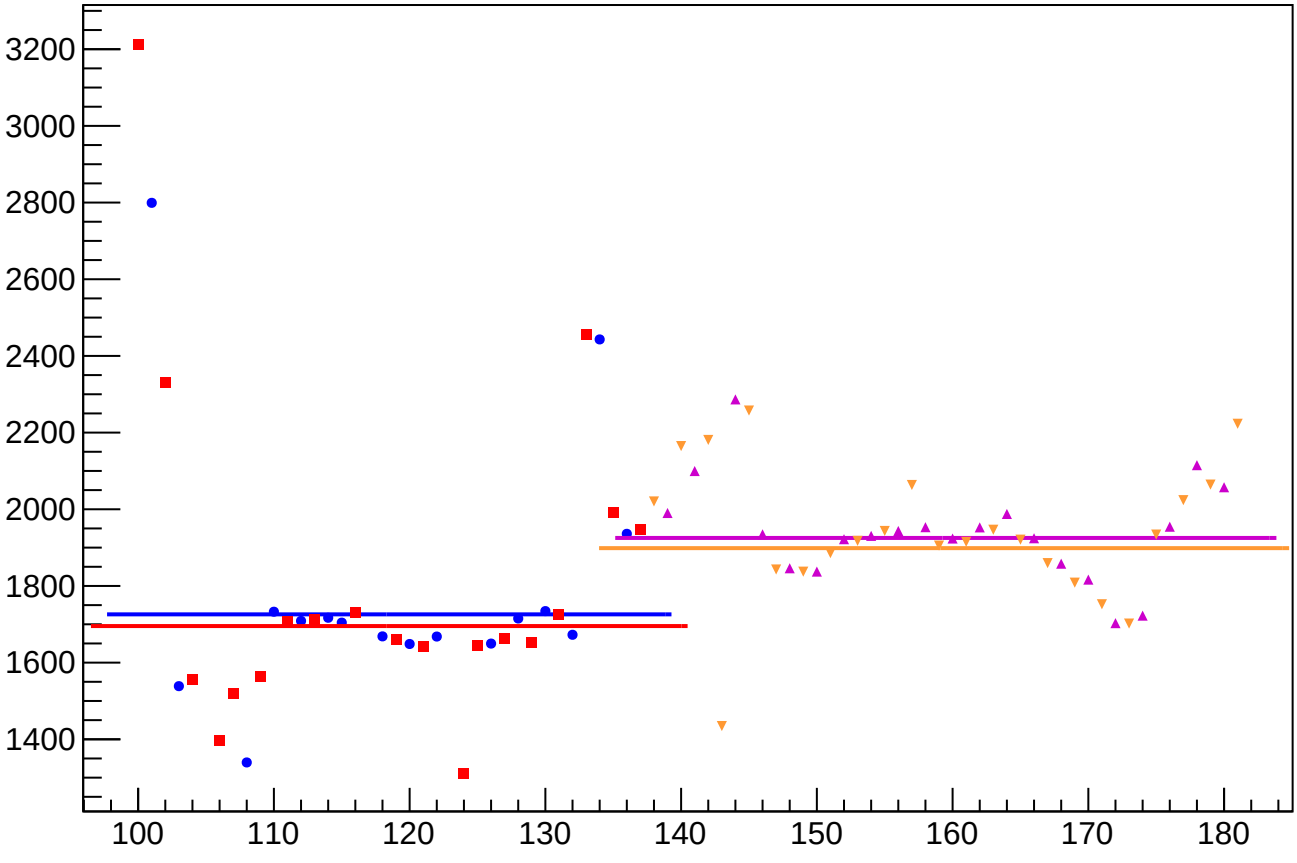
Left In: -3063.697+/-464.853 χ^2/NDF:14.6/20

+ sign 1426.650+/-368.017 χ^2/NDF: 55.9/38

All: -660.588+/-262.974 χ^2/NDF: 152.9/78

- sign -2838.340+/-375.912 χ^2/NDF: 31.3/39

eigen_dit_asym_at2_avg_rms vs Slug



Right In: 1725.910+/-0.460 χ^2/NDF: 365639.0/15

Left Out: 1898.628+/-0.315 χ^2/NDF:363327.4/22

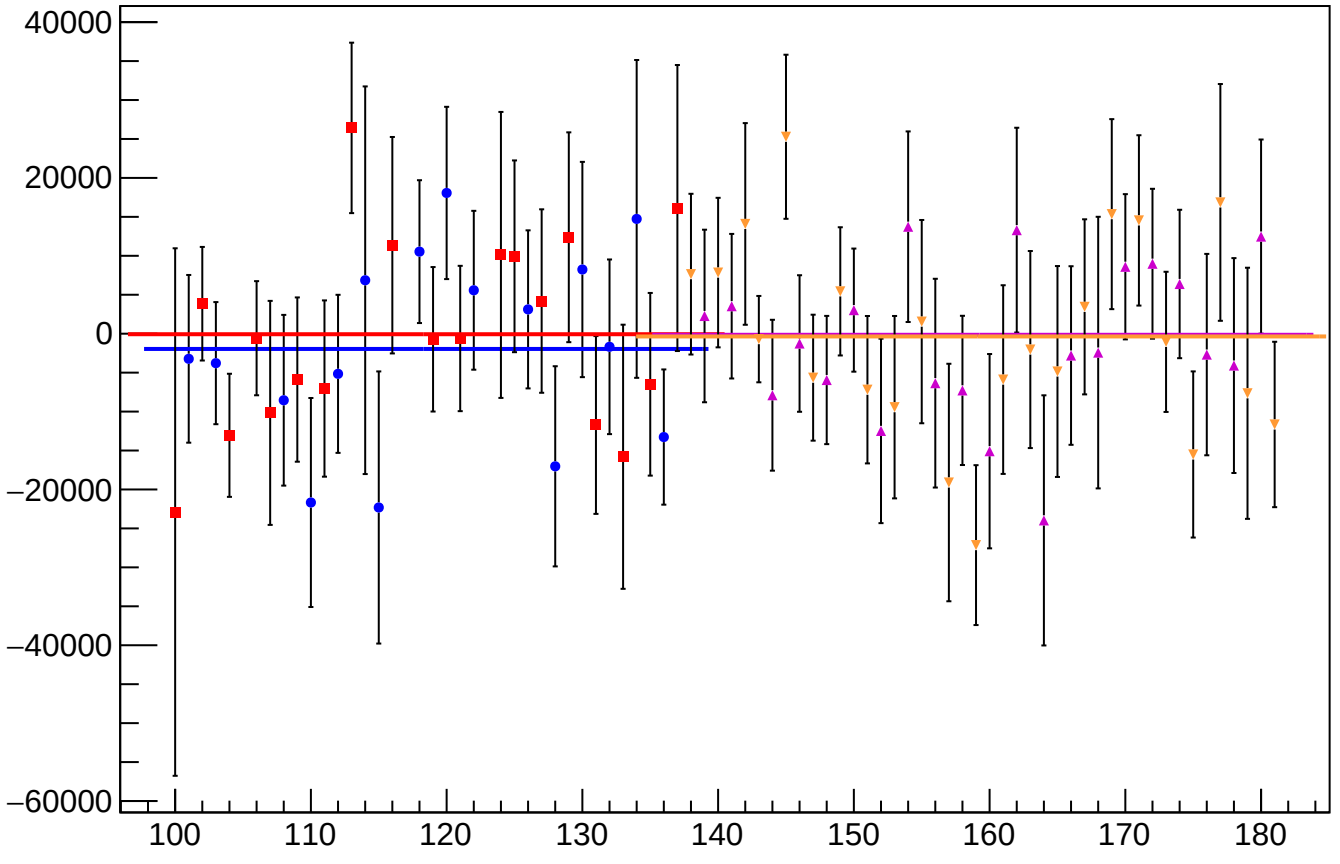
Right Out: 1695.387+/-0.452 χ^2/NDF: 285622.3/18

Left In: 1925.234+/-0.329 χ^2/NDF:148051.3/20

+ sign 1843.452+/-0.260 χ^2/NDF: 824738.6/38

All: 1844.530+/-0.186 χ^2/NDF: 1427737.7/78

- sign 1845.655+/-0.266 χ^2/NDF: 602964.0/39



Right In: -1958.538+/-2798.302 χ^2/NDF: 14.4/15

Left Out: -354.051+/-2153.353 χ^2/NDF:27.5/22

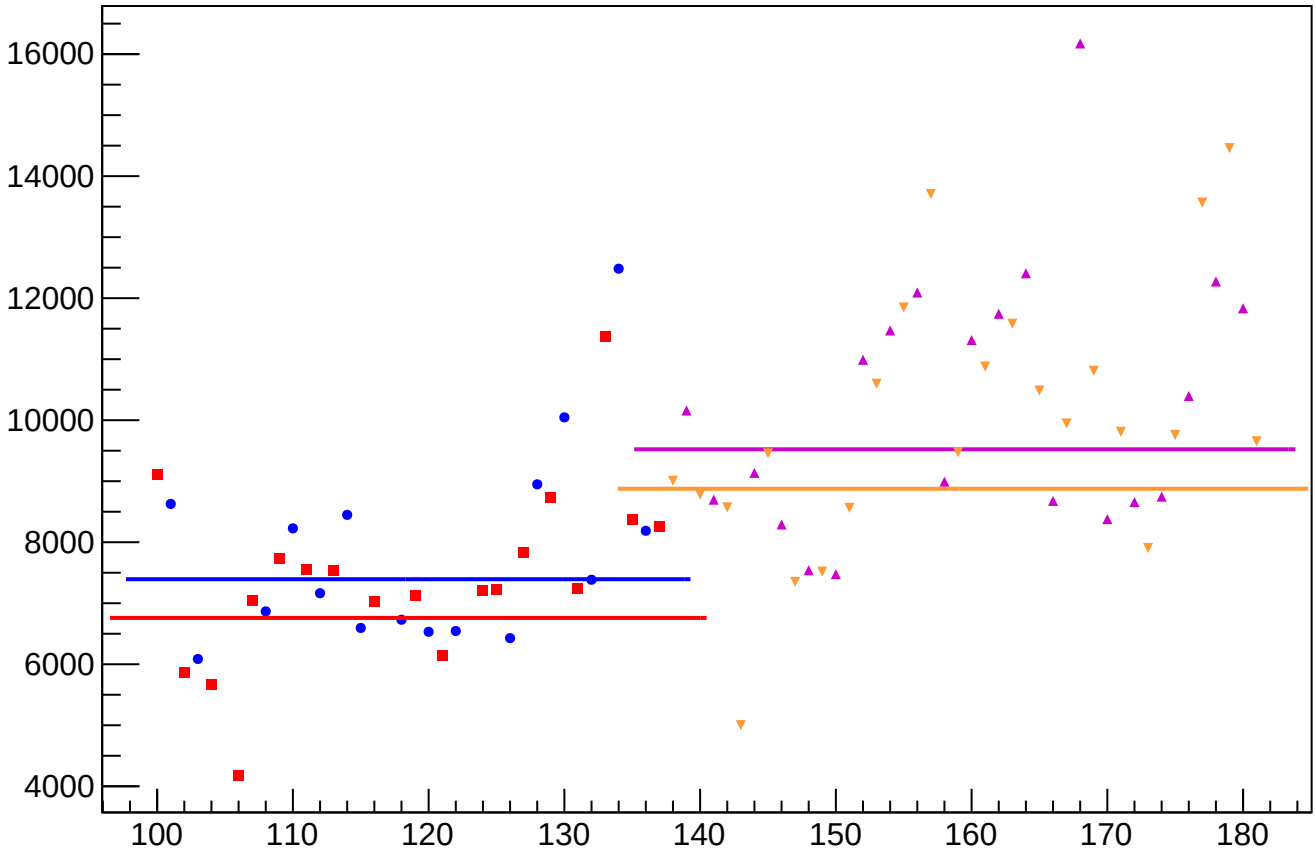
Right Out: -68.163+/-2529.521 χ^2/NDF: 16.1/18

Left In: -141.576+/-2341.014 χ^2/NDF:12.8/20

+ sign -950.797+/-1706.559 χ^2/NDF: 42.1/38

All: -532.100+/-1210.789 χ^2/NDF: 71.1/78

- sign -107.707+/-1718.129 χ^2/NDF: 28.9/39



Right In: 7393.605+/-1.979 χ^2/NDF: 401829.0/15

Left Out: 8876.740+/-1.523 χ^2/NDF:2203132.8/22

Right Out: 6759.413+/-1.789 χ^2/NDF: 644289.7/18

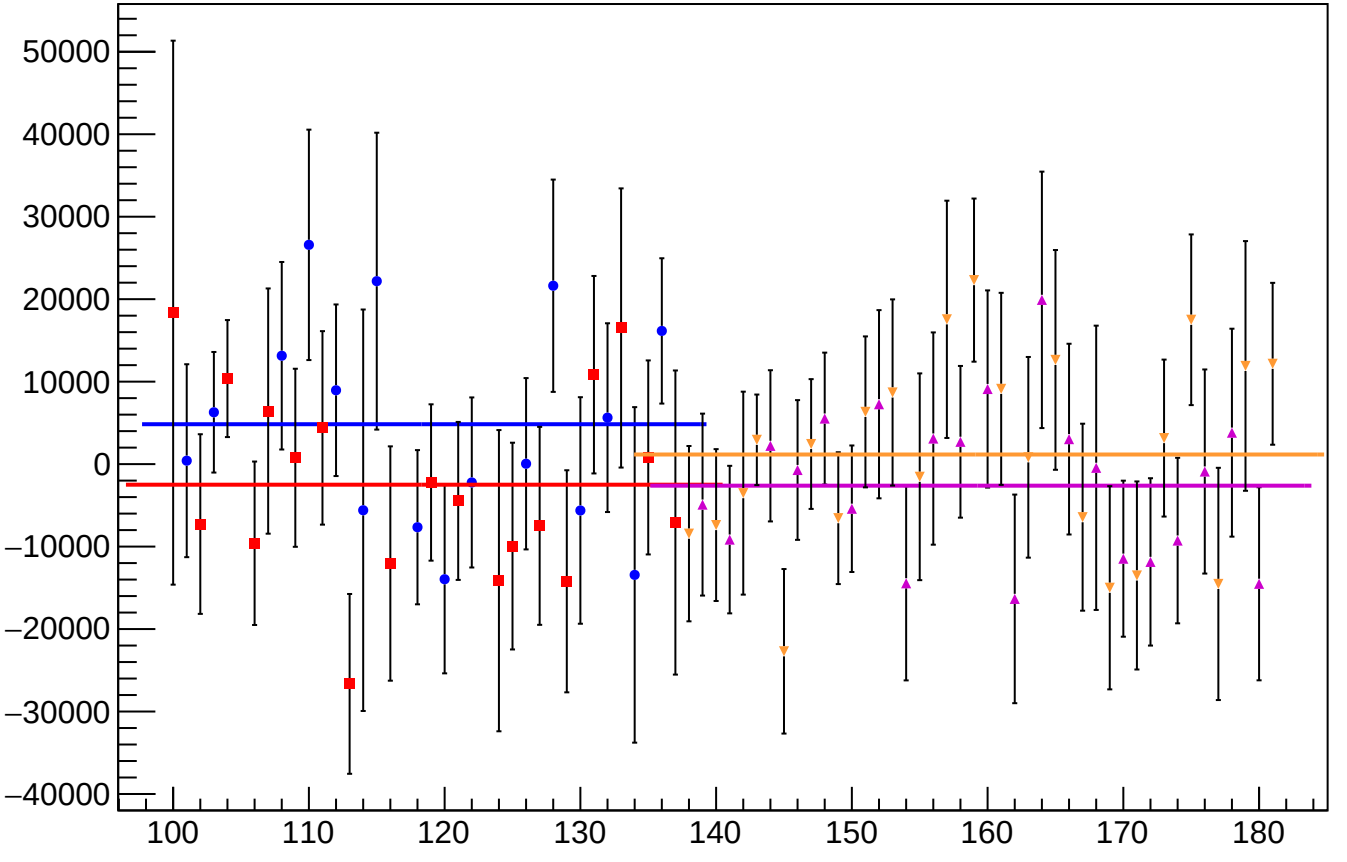
Left In: 9523.170+/-1.655 χ^2/NDF:1158002.1/20

+ sign 8325.127+/-1.207 χ^2/NDF: 2957831.7/38

All: 8286.873+/-0.856 χ^2/NDF: 6048192.1/78

- sign 8248.099+/-1.215 χ^2/NDF: 3088336.8/39

asym_at2_avg_mean vs Slug



Right In: 4837.820+/-2828.918 χ^2/NDF: 14.3/15

Left Out: 1165.572+/-2106.015 χ^2/NDF:25.9/22

Right Out: -2495.844+/-2695.530 χ^2/NDF: 14.9/18

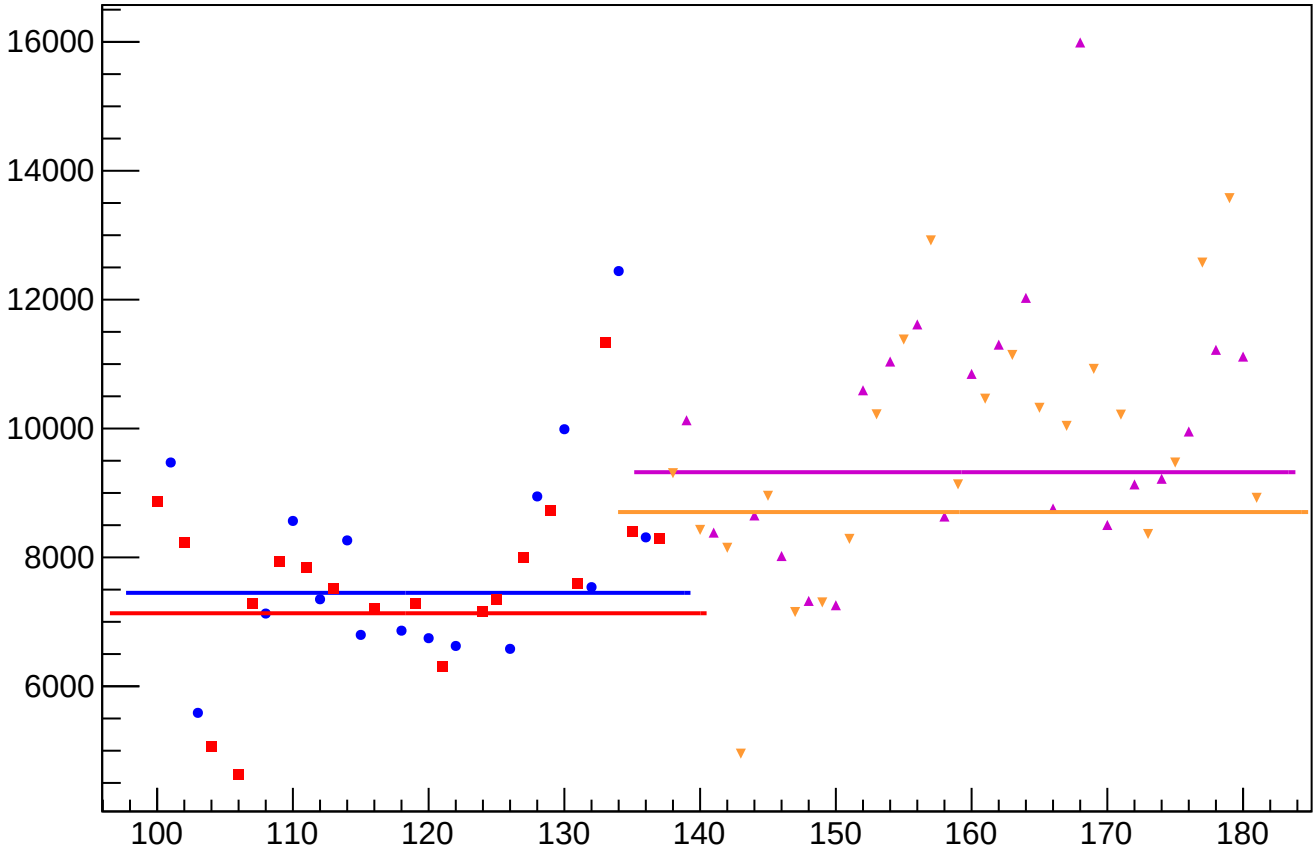
Left In: -2613.918+/-2287.517 χ^2/NDF:12.3/20

+ sign 2475.061+/-1689.294 χ^2/NDF: 41.3/38

All: 35.748+/-1213.433 χ^2/NDF: 72.8/78

- sign -2564.485+/-1744.125 χ^2/NDF: 27.2/39

asym_at2_avg_rms vs Slug



Right In: 7449.985+/-2.000 χ^2/NDF: 486427.7/15

Left Out: 8703.680+/-1.489 χ^2/NDF:2048950.5/22

Right Out: 7133.115+/-1.906 χ^2/NDF: 556993.0/18

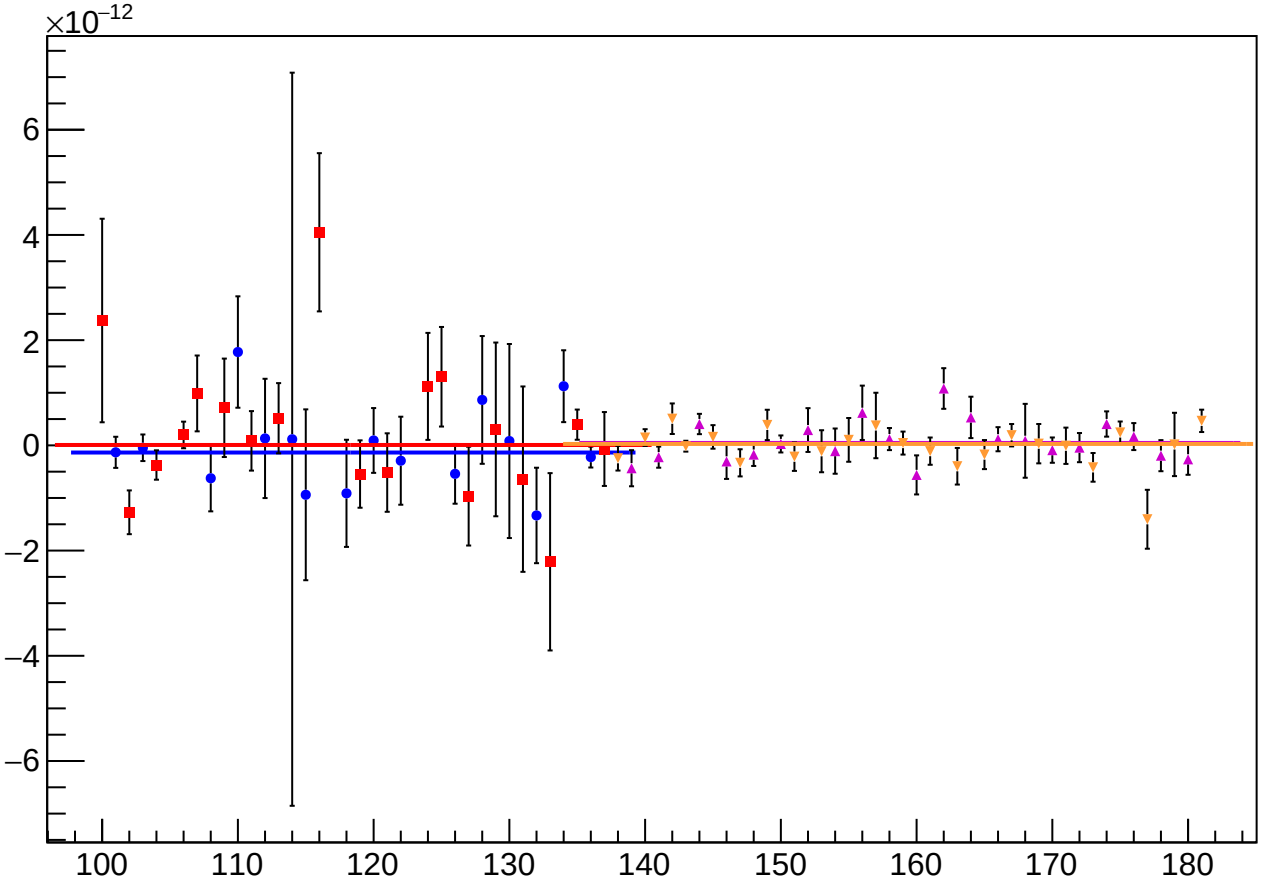
Left In: 9322.243+/-1.618 χ^2/NDF:1062093.2/20

+ sign 8256.619+/-1.195 χ^2/NDF: 2788112.9/38

All: 8328.760+/-0.858 χ^2/NDF: 5181646.8/78

- sign 8405.657+/-1.233 χ^2/NDF: 2385998.5/39

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:27.4/22

Right Out: 0.000+/-0.000 χ^2/NDF: 32.8/18

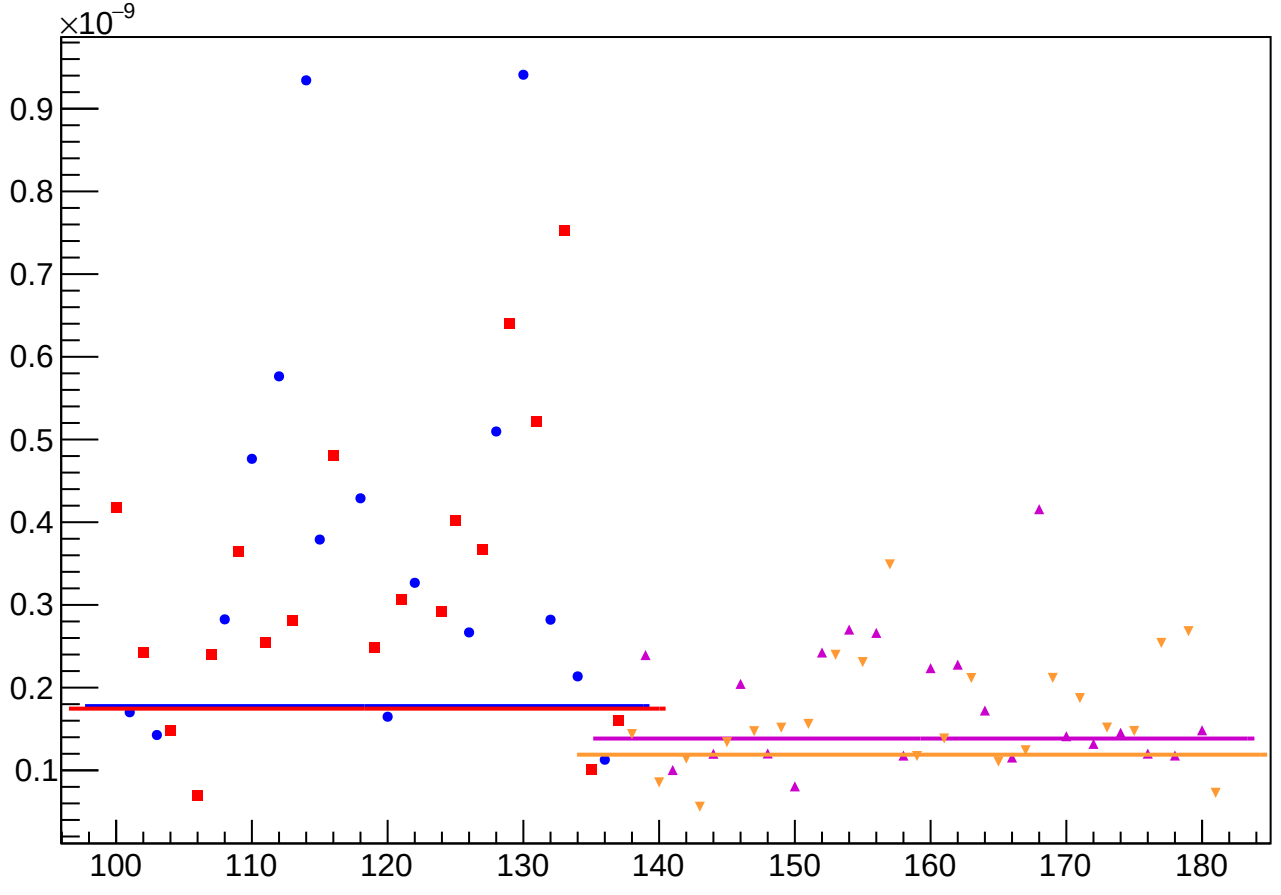
Left In: 0.000+/-0.000 χ^2/NDF:27.4/20

+ sign 0.000+/-0.000 χ^2/NDF: 40.6/38

All: 0.000+/-0.000 χ^2/NDF: 101.1/78

- sign 0.000+/-0.000 χ^2/NDF: 60.2/39

asym_at2_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1530066.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:2310429.9/22

Right Out: 0.000+/-0.000 χ^2/NDF: 1641366.3/18

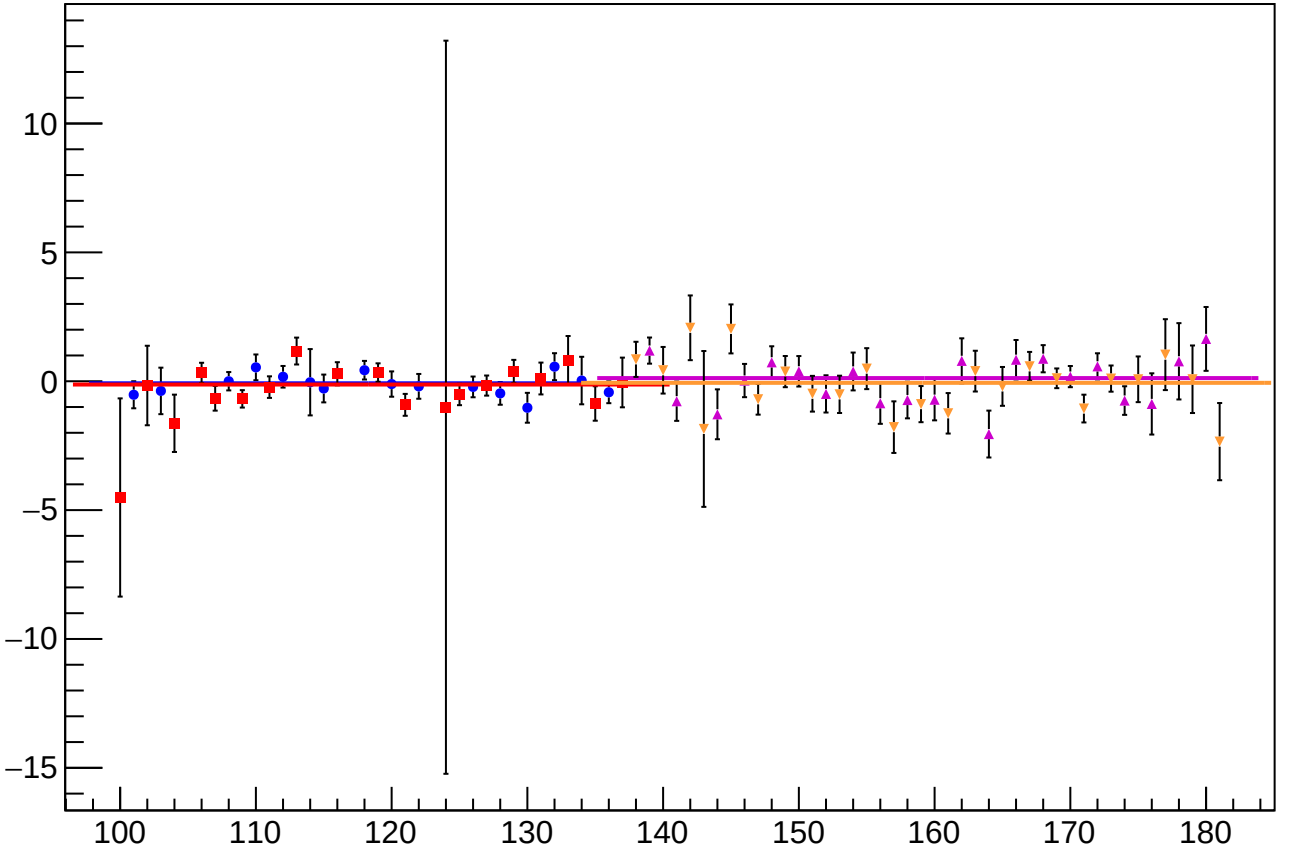
Left In: 0.000+/-0.000 χ^2/NDF:1649242.5/20

+ sign 0.000+/-0.000 χ^2/NDF: 4249218.2/38

All: 0.000+/-0.000 χ^2/NDF: 7803920.5/78

- sign 0.000+/-0.000 χ^2/NDF: 3431643.5/39

asym_at2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: -0.062+/-0.150 χ^2/NDF:28.1/22

Right Out: -0.128+/-0.117 χ^2/NDF: 25.3/18

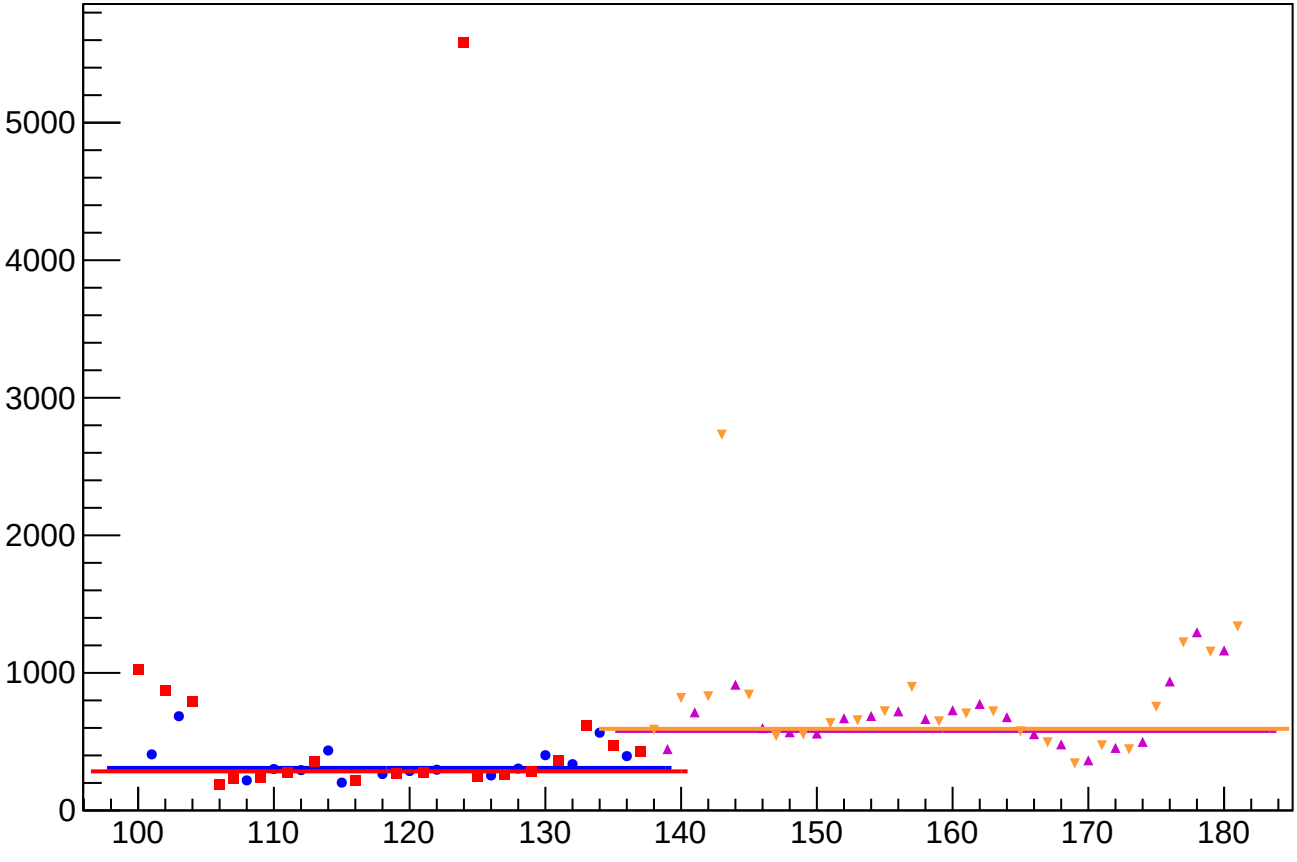
Left In: 0.123+/-0.147 χ^2/NDF:28.9/20

+ sign -0.073+/-0.095 χ^2/NDF: 38.9/38

All: -0.051+/-0.066 χ^2/NDF: 94.9/78

- sign -0.031+/-0.092 χ^2/NDF: 55.9/39

asym_at2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 309.093+/-0.086 χ^2/NDF: 1014604.9/15

Left Out: 593.396+/-0.106 χ^2/NDF:4258638.2/22

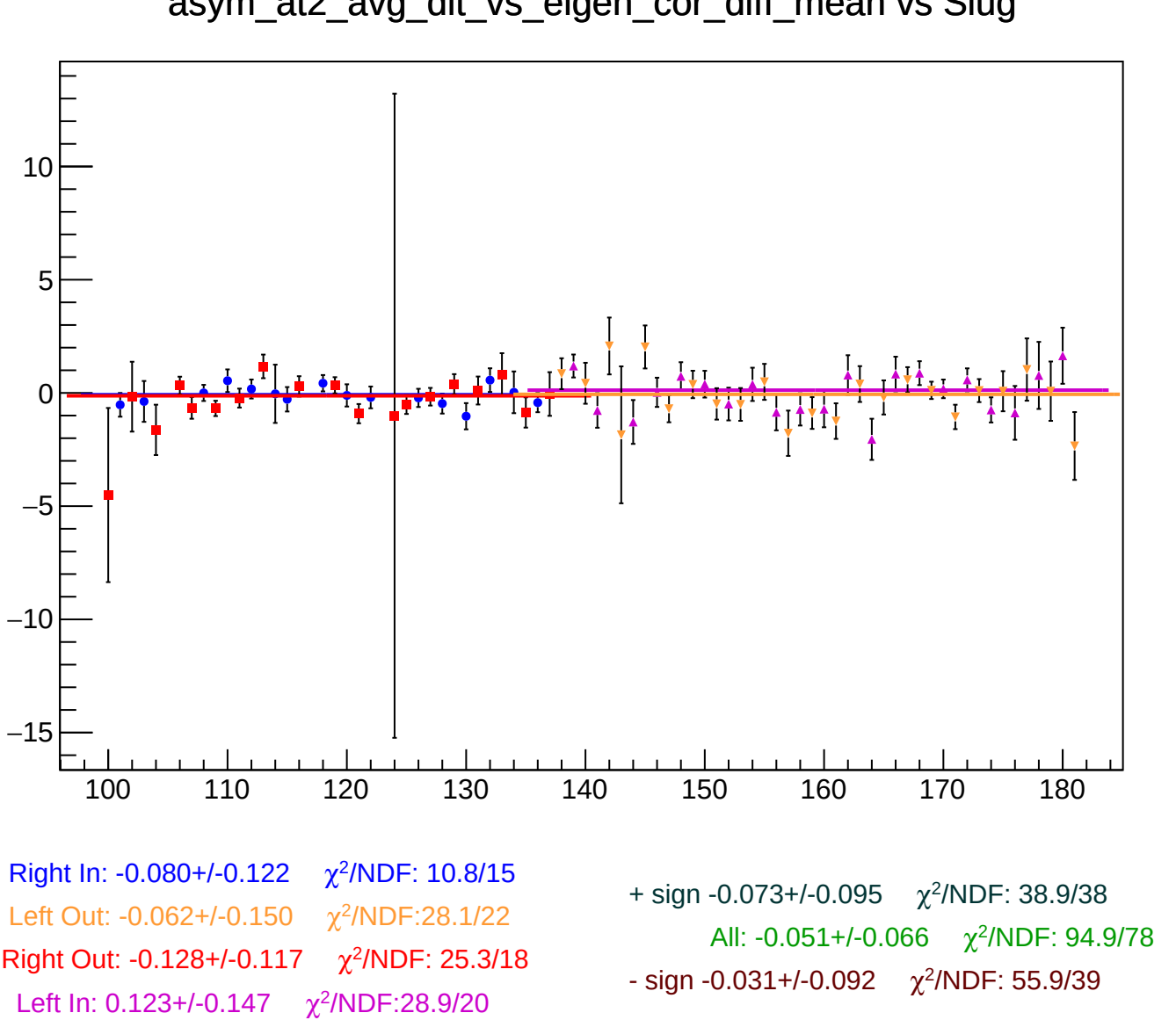
Right Out: 284.189+/-0.083 χ^2/NDF: 1856451.4/18

Left In: 578.385+/-0.104 χ^2/NDF:2678720.9/20

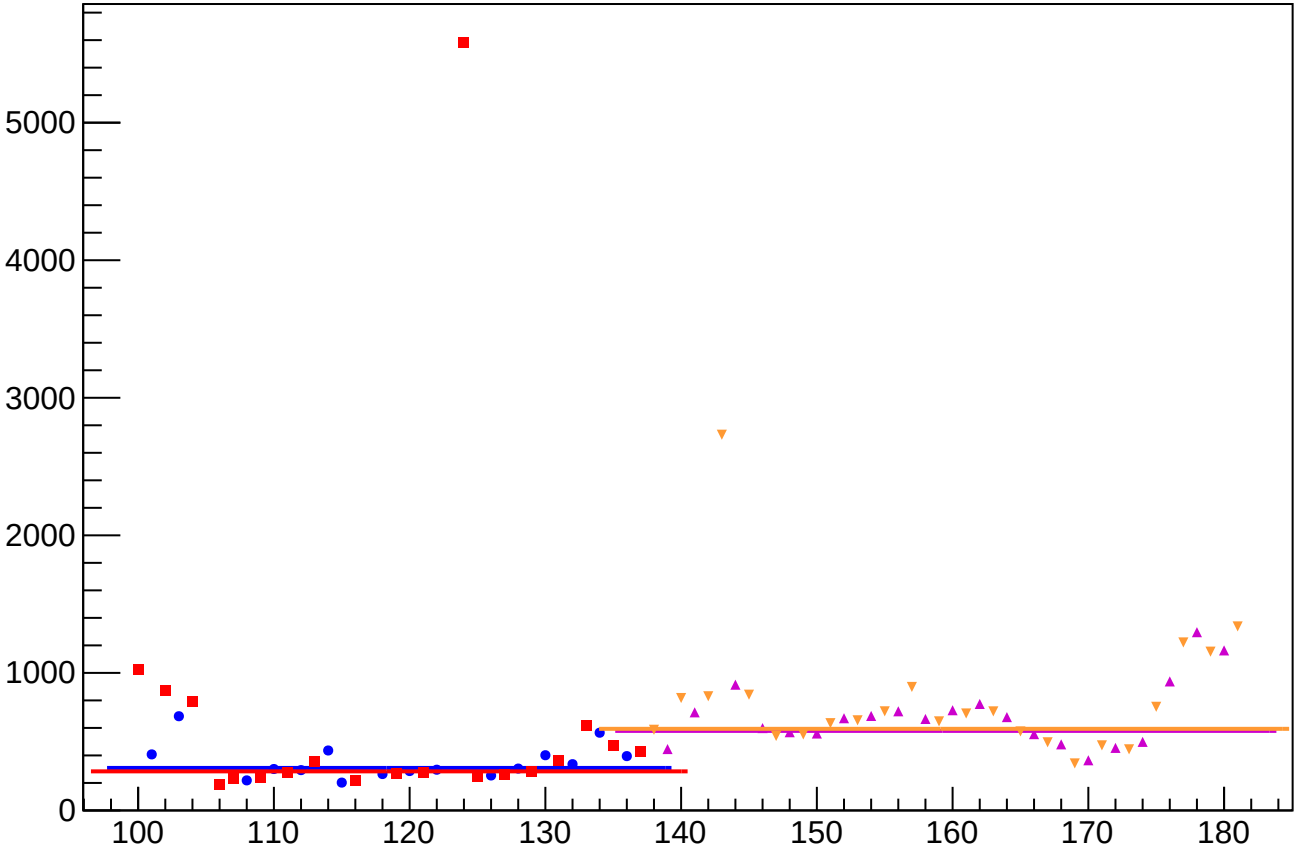
+ sign 422.295+/-0.067 χ^2/NDF: 9607339.7/38

All: 409.707+/-0.047 χ^2/NDF: 19106259.7/78

- sign 397.898+/-0.065 χ^2/NDF: 9430201.8/39


asym_at2_avg_dit_vs_eigen_cor_diff_mean vs Slug
10
5
0
−5
−10
−15
100
110
120
130
140
150
160
170
180
Right In: -0.080+/-0.122 χ²/NDF: 10.8/15
Left Out: -0.062+/-0.150 χ²/NDF:28.1/22
Right Out: -0.128+/-0.117 χ²/NDF: 25.3/18
Left In: 0.123+/-0.147 χ²/NDF:28.9/20
+ sign -0.073+/-0.095 χ²/NDF: 38.9/38
All: -0.051+/-0.066 χ²/NDF: 94.9/78
- sign -0.031+/-0.092 χ²/NDF: 55.9/39

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: 593.396+/-0.106 χ^2/NDF:4258638.2/22

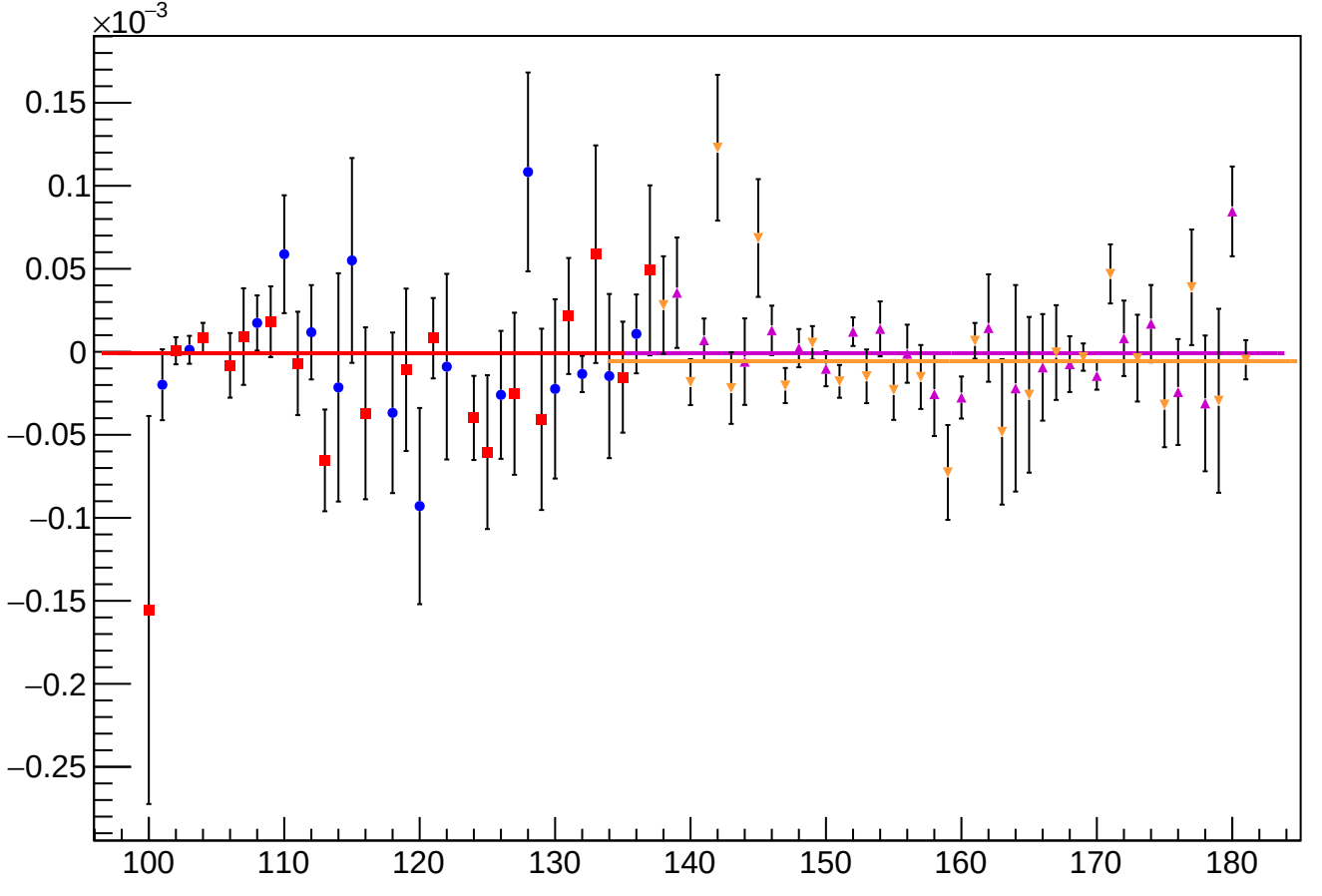
Right Out: 284.189+/-0.083 χ^2/NDF: 1856451.4/18

Left In: 578.385+/-0.104 χ^2/NDF:2678720.9/20

+ sign 422.295+/-0.067 χ^2/NDF: 9607339.7/38

All: 409.707+/-0.047 χ^2/NDF: 19106259.7/78

- sign 397.898+/-0.065 χ^2/NDF: 9430201.8/39



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:41.4/22

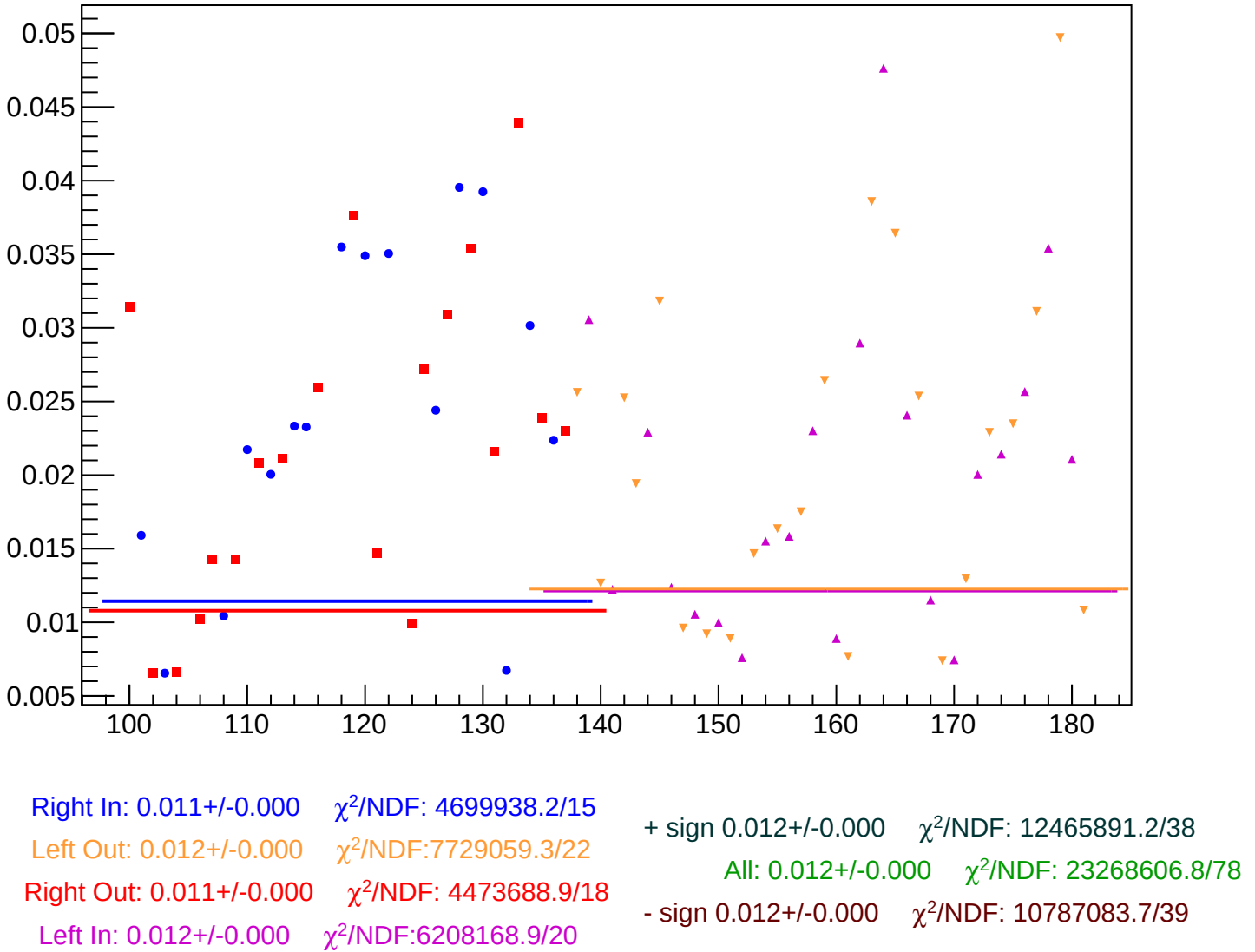
Right Out: -0.000+/-0.000 χ^2/NDF: 16.1/18

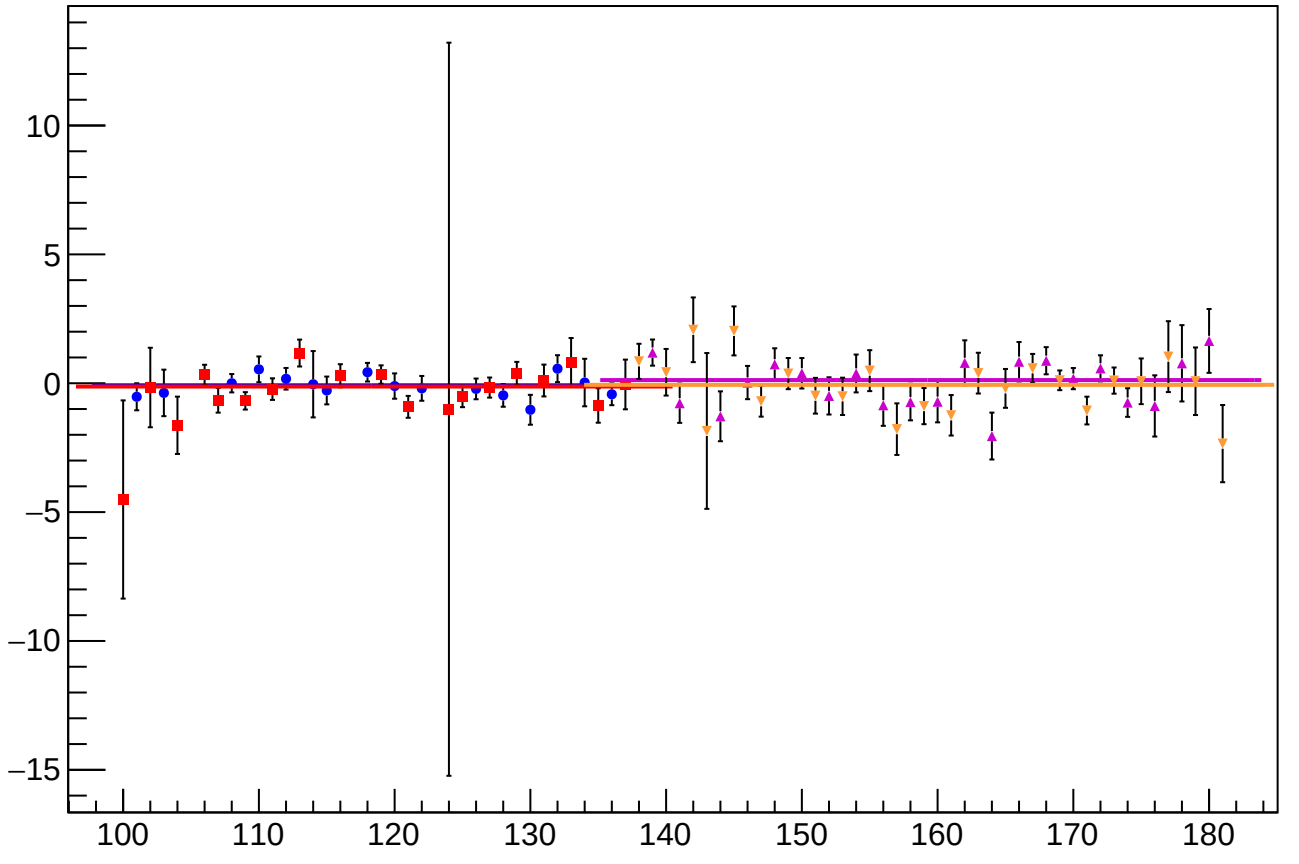
Left In: -0.000+/-0.000 χ^2/NDF:26.9/20

+ sign -0.000+/-0.000 χ^2/NDF: 56.5/38

All: -0.000+/-0.000 χ^2/NDF: 100.3/78

- sign -0.000+/-0.000 χ^2/NDF: 43.0/39


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:7729059.3/22
Right Out: 0.011+/-0.000 χ²/NDF: 4473688.9/18
Left In: 0.012+/-0.000 χ²/NDF:6208168.9/20
+ sign 0.012+/-0.000 χ²/NDF: 12465891.2/38
All: 0.012+/-0.000 χ²/NDF: 23268606.8/78
- sign 0.012+/-0.000 χ²/NDF: 10787083.7/39



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: -0.062+/-0.150 χ^2/NDF:28.1/22

Right Out: -0.128+/-0.117 χ^2/NDF: 25.3/18

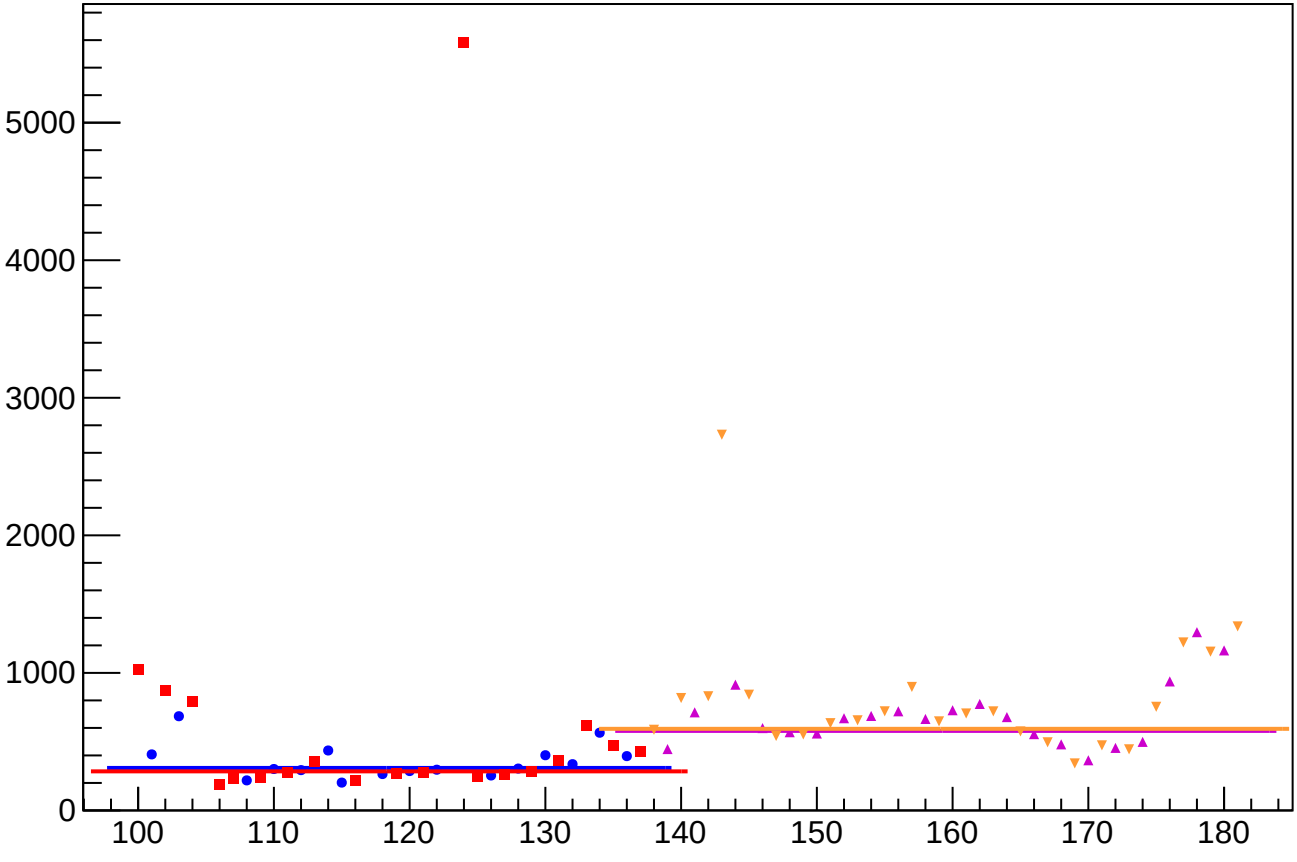
Left In: 0.123+/-0.147 χ^2/NDF:28.9/20

+ sign -0.073+/-0.095 χ^2/NDF: 38.9/38

All: -0.051+/-0.066 χ^2/NDF: 94.9/78

- sign -0.031+/-0.092 χ^2/NDF: 55.9/39

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: 593.397+/-0.106 χ^2/NDF:4258835.6/22

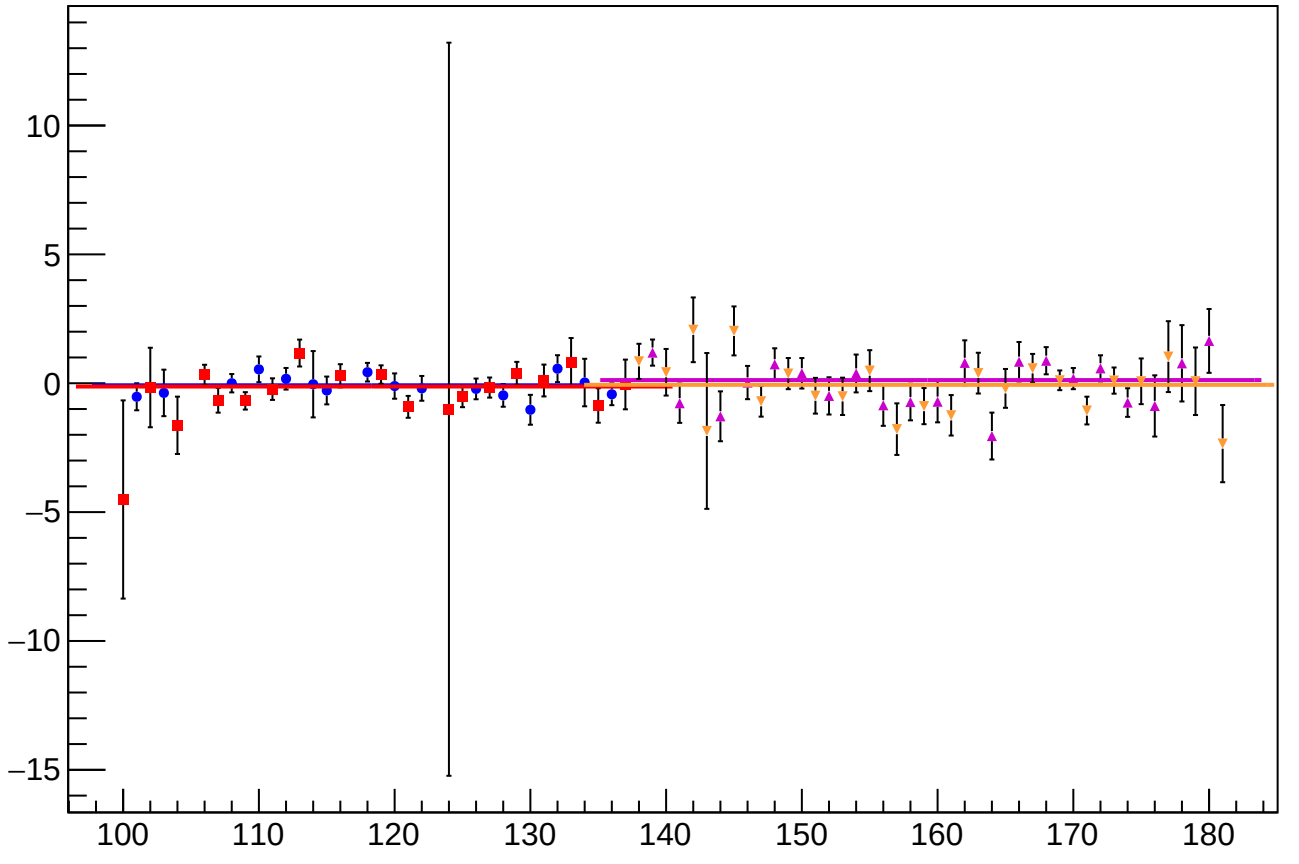
Right Out: 284.188+/-0.083 χ^2/NDF: 1856434.1/18

Left In: 578.388+/-0.104 χ^2/NDF:2678845.4/20

+ sign 422.294+/-0.067 χ^2/NDF: 9607524.4/38

All: 409.706+/-0.047 χ^2/NDF: 19106630.0/78

- sign 397.897+/-0.065 χ^2/NDF: 9430390.7/39



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: -0.062+/-0.150 χ^2/NDF:28.1/22

Right Out: -0.128+/-0.117 χ^2/NDF: 25.3/18

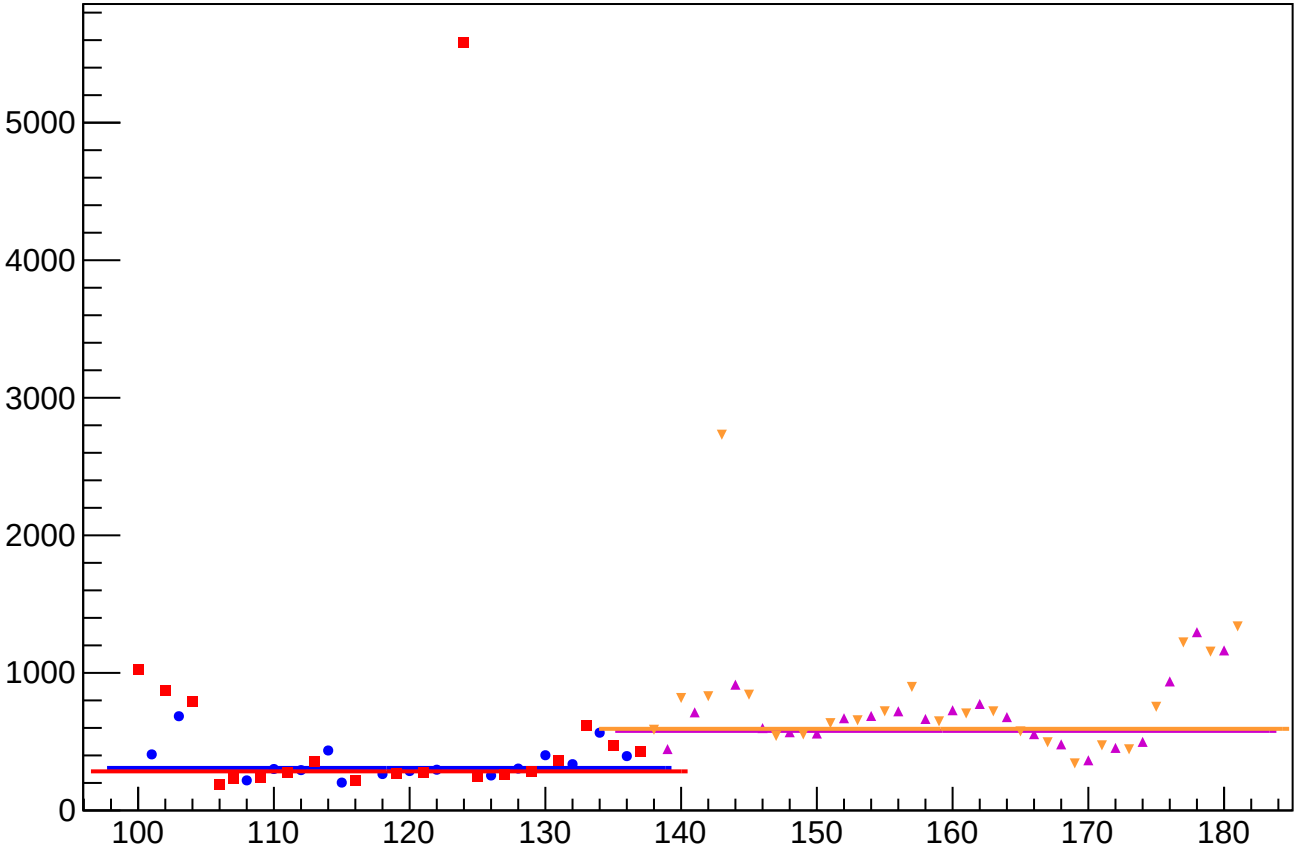
Left In: 0.123+/-0.147 χ^2/NDF:28.9/20

+ sign -0.073+/-0.095 χ^2/NDF: 38.9/38

All: -0.051+/-0.066 χ^2/NDF: 94.9/78

- sign -0.031+/-0.092 χ^2/NDF: 55.9/39

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: 593.397+/-0.106 χ^2/NDF:4258835.6/22

Right Out: 284.188+/-0.083 χ^2/NDF: 1856434.1/18

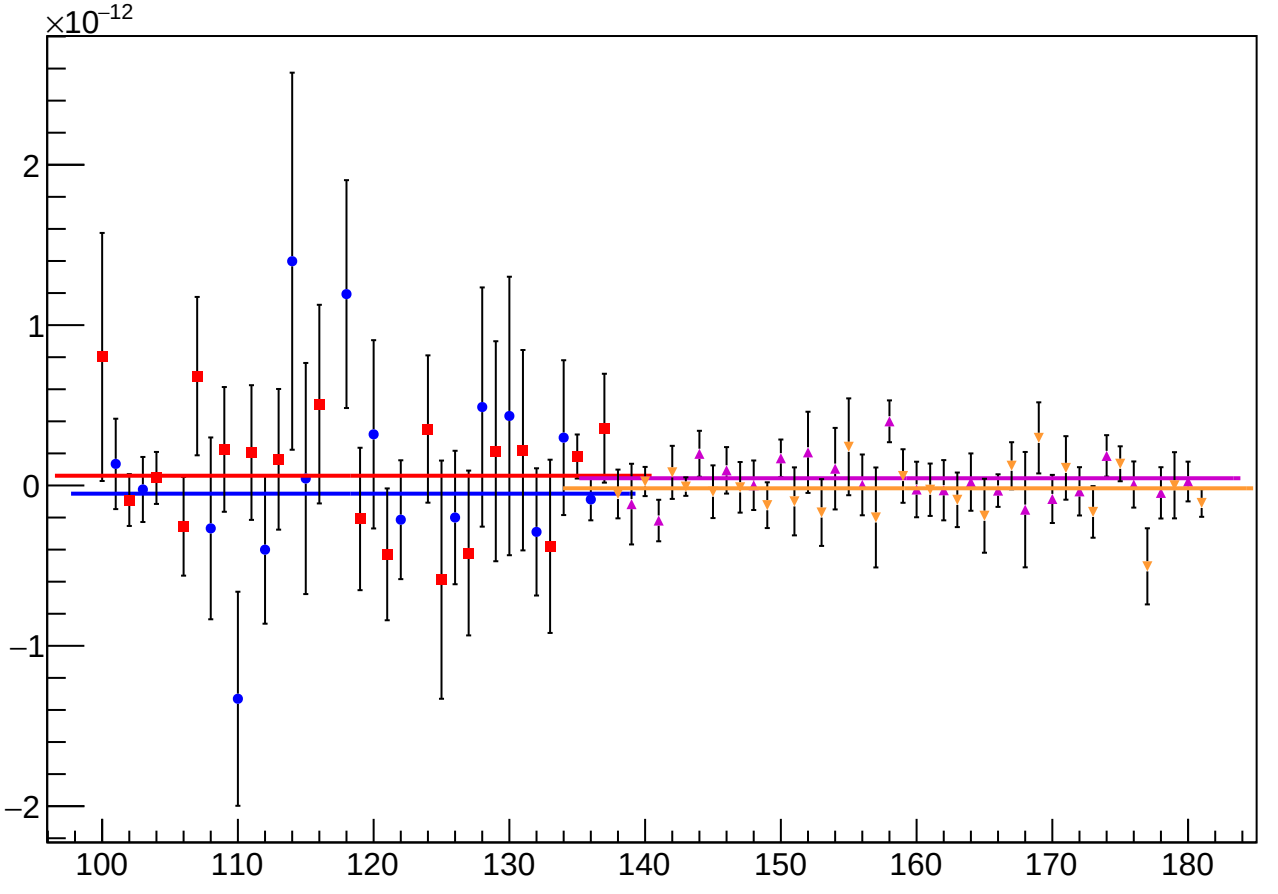
Left In: 578.388+/-0.104 χ^2/NDF:2678845.4/20

+ sign 422.294+/-0.067 χ^2/NDF: 9607524.4/38

All: 409.706+/-0.047 χ^2/NDF: 19106630.0/78

- sign 397.897+/-0.065 χ^2/NDF: 9430390.7/39

asym_at2_avg_eigen_cor_vs_cor_diff_mean vs Slug



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

Left Out: -0.000+/-0.000 χ^2/NDF:15.4/22

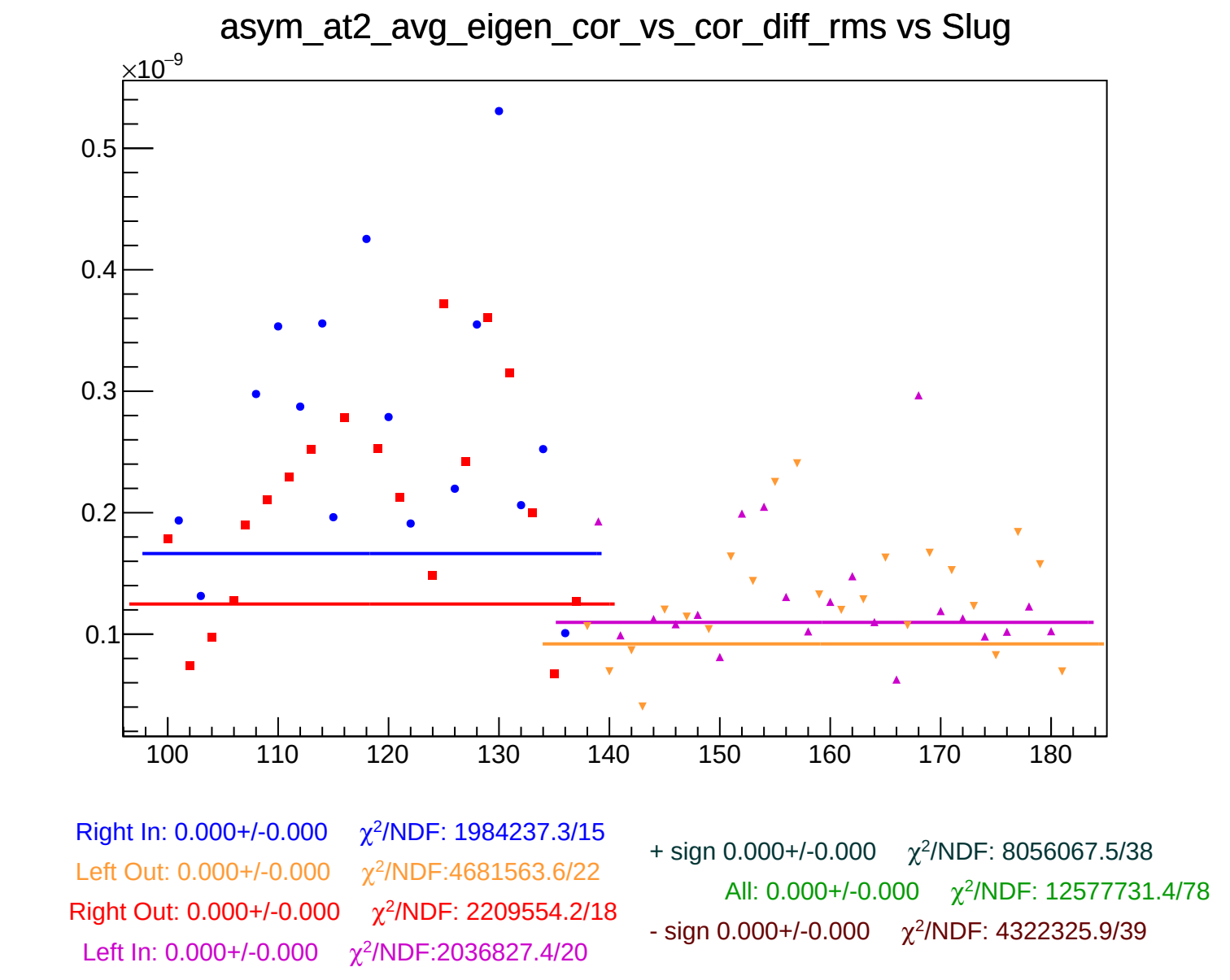
Right Out: 0.000+/-0.000 χ^2/NDF: 11.4/18

Left In: 0.000+/-0.000 χ^2/NDF:18.8/20

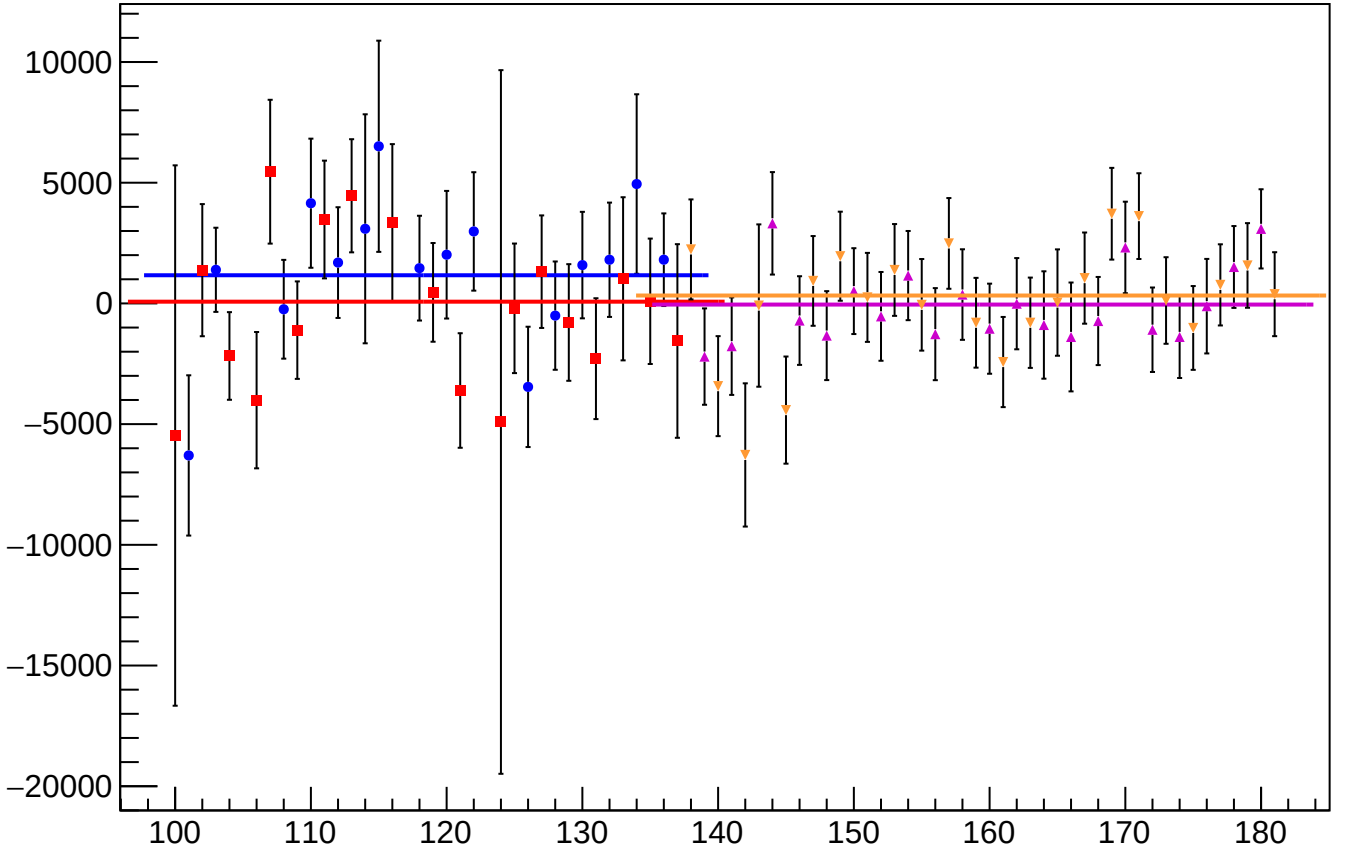
+ sign -0.000+/-0.000 χ^2/NDF: 27.5/38

All: 0.000+/-0.000 χ^2/NDF: 60.7/78

- sign 0.000+/-0.000 χ^2/NDF: 30.3/39


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:4681563.6/22
Right Out: 0.000+/-0.000 χ²/NDF: 2209554.2/18
Left In: 0.000+/-0.000 χ²/NDF:2036827.4/20
+ sign 0.000+/-0.000 χ²/NDF: 8056067.5/38
All: 0.000+/-0.000 χ²/NDF: 12577731.4/78
- sign 0.000+/-0.000 χ²/NDF: 4322325.9/39

reg_asym_at2_dd_mean vs Slug



Right In: 1166.862+/-609.171 χ^2/NDF: 14.4/15

Left Out: 327.515+/-402.193 χ^2/NDF:27.1/22

Right Out: 72.181+/-603.362 χ^2/NDF: 18.3/18

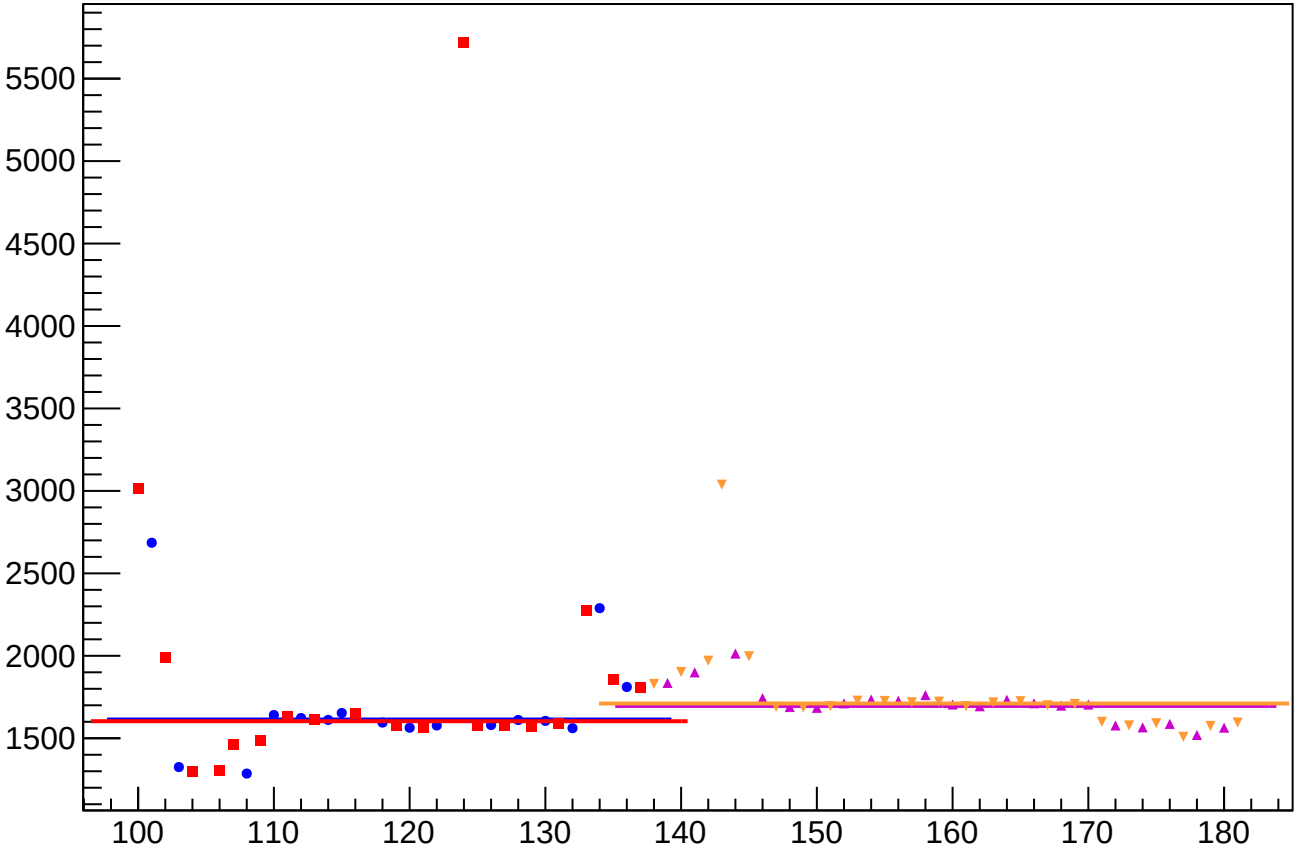
Left In: -47.599+/-409.255 χ^2/NDF:14.0/20

+ sign 582.318+/-335.638 χ^2/NDF: 42.9/38

All: 288.914+/-238.405 χ^2/NDF: 76.7/78

- sign -9.856+/-338.693 χ^2/NDF: 32.3/39

reg_asym_at2_dd_rms vs Slug



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.5/15

Left Out: 1710.856+/-0.284 χ^2/NDF:463254.8/22

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.5/18

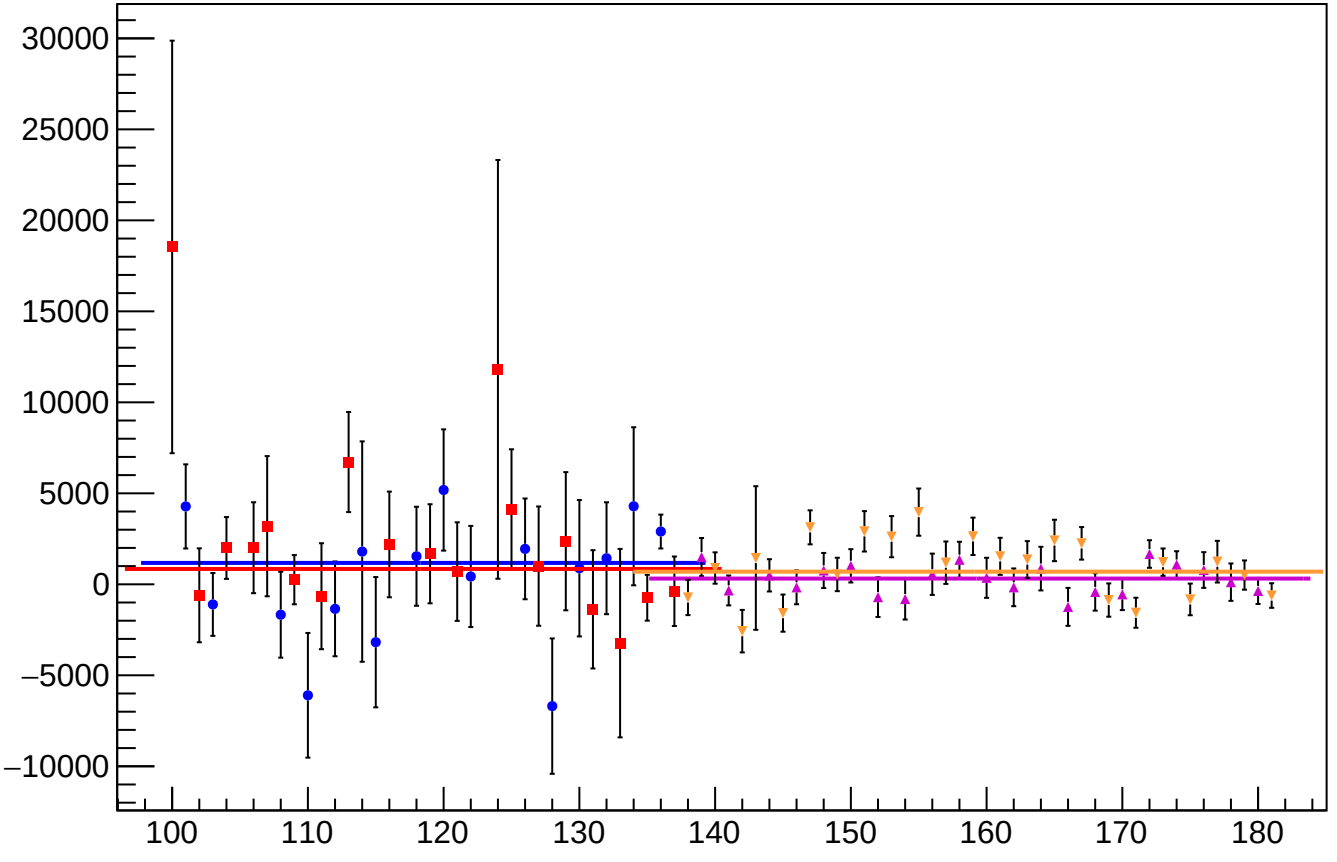
Left In: 1696.317+/-0.289 χ^2/NDF:142480.5/20

+ sign 1681.354+/-0.237 χ^2/NDF: 903392.1/38

All: 1674.271+/-0.169 χ^2/NDF: 1505904.2/78

- sign 1667.058+/-0.239 χ^2/NDF: 600714.5/39

asym_at2_dd_reg_correction_mean vs Slug



Right In: 1175.479+/-579.062 χ^2/NDF: 22.0/15

Left Out: 695.231+/-201.628 χ^2/NDF:63.3/22

Right Out: 843.857+/-557.438 χ^2/NDF: 14.3/18

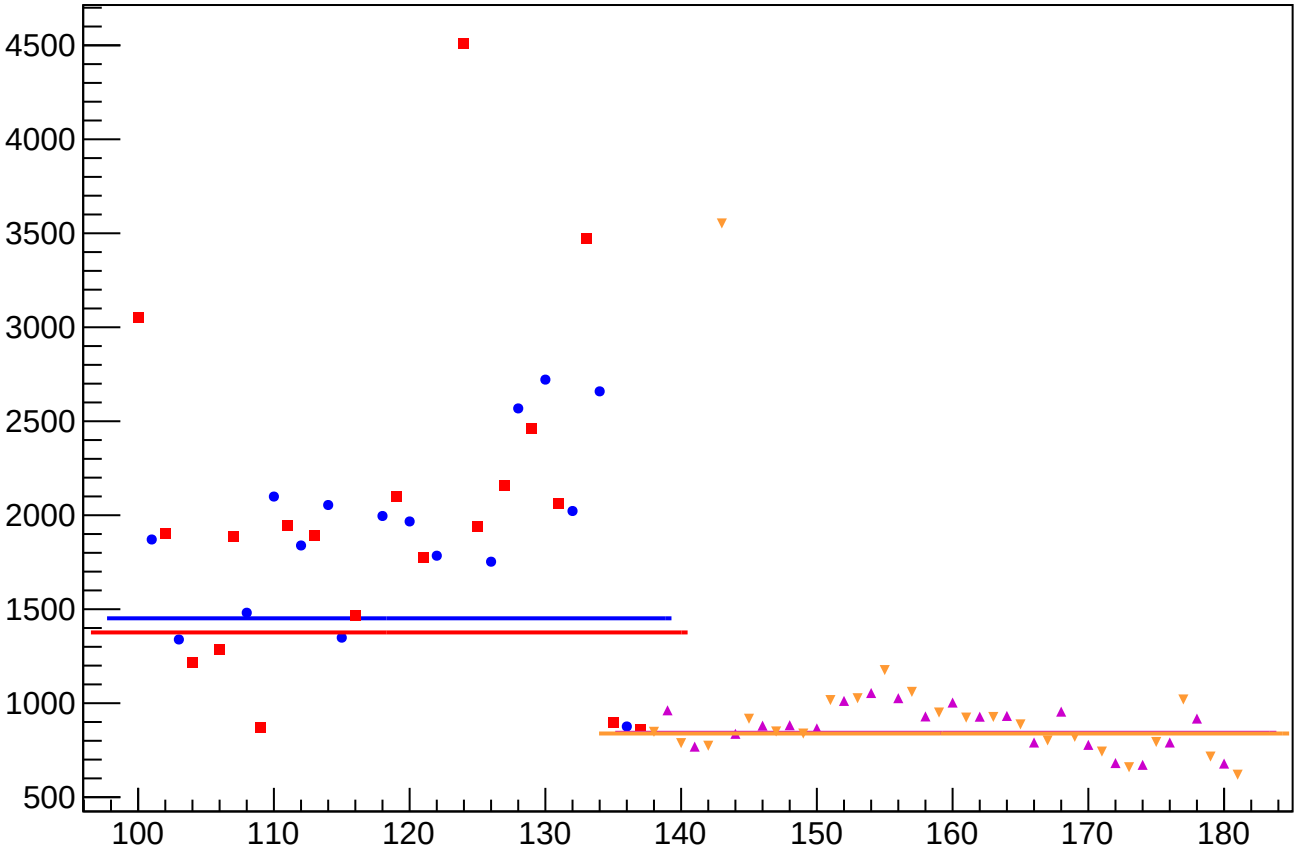
Left In: 315.101+/-205.387 χ^2/NDF:15.6/20

+ sign 747.161+/-190.415 χ^2/NDF: 85.9/38

All: 564.952+/-135.452 χ^2/NDF: 118.4/78

- sign 378.302+/-192.722 χ^2/NDF: 30.6/39

asym_at2_dd_reg_correction_rms vs Slug



Right In: 1451.631+/-0.409 χ^2/NDF: 1790839.5/15

Left Out: 838.805+/-0.143 χ^2/NDF:1799433.8/22

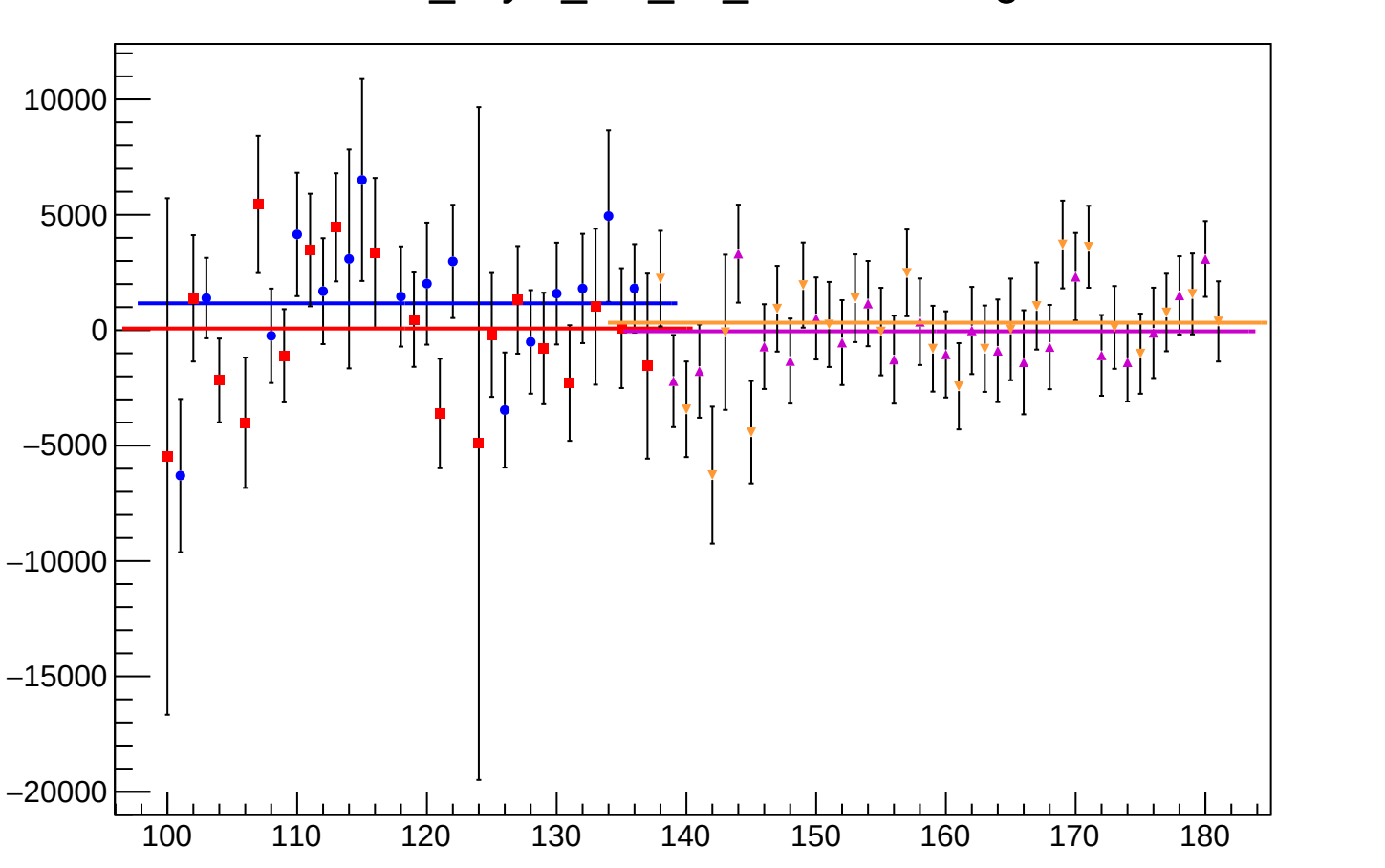
Right Out: 1376.470+/-0.394 χ^2/NDF: 2132051.1/18

Left In: 842.611+/-0.145 χ^2/NDF:664334.4/20

+ sign 905.071+/-0.135 χ^2/NDF: 5588087.7/38

All: 905.738+/-0.096 χ^2/NDF: 9999641.4/78

- sign 906.422+/-0.136 χ^2/NDF: 4411503.9/39



Right In: 1166.769+/-609.171 χ^2/NDF: 14.4/15

Left Out: 327.422+/-402.193 χ^2/NDF:27.1/22

Right Out: 72.499+/-603.362 χ^2/NDF: 18.3/18

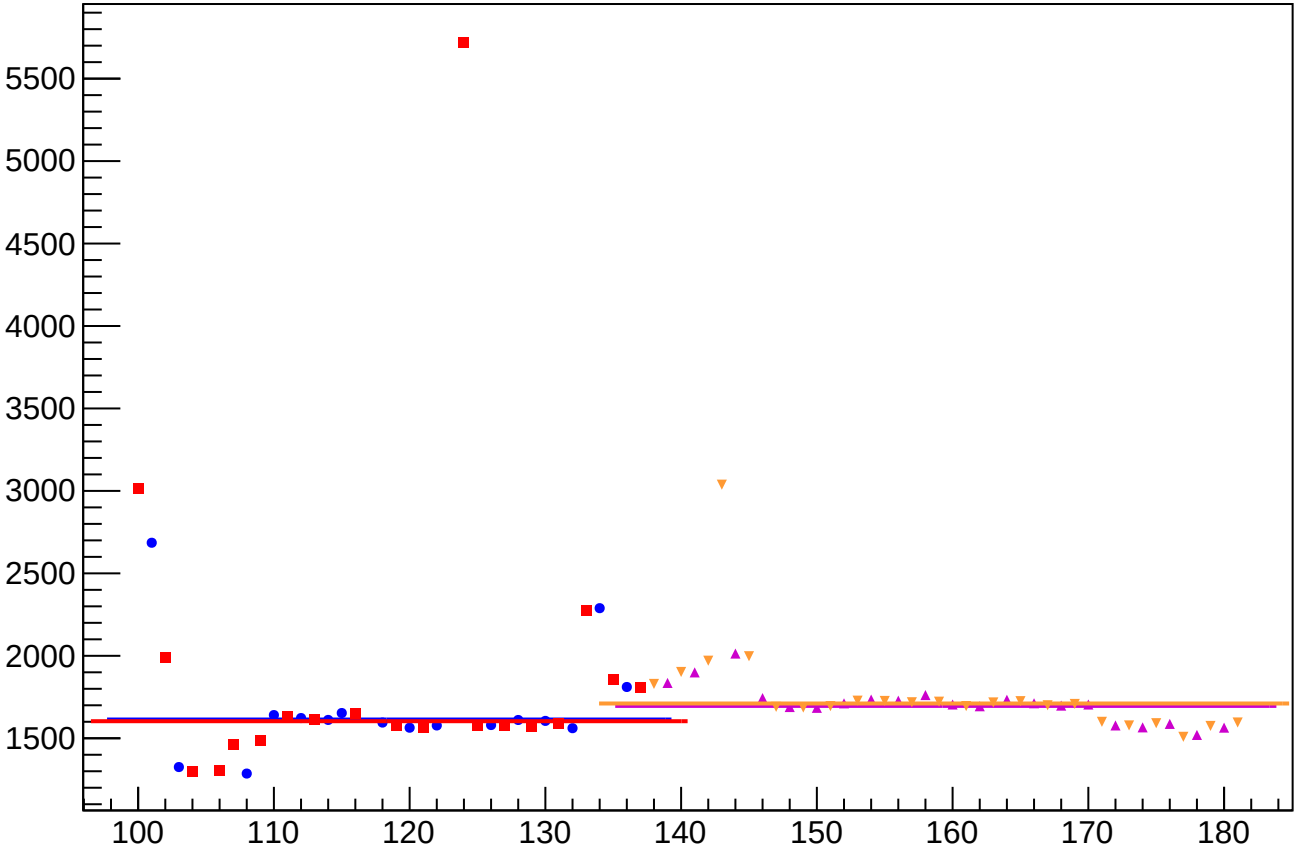
Left In: -47.542+/-409.255 χ^2/NDF:14.0/20

+ sign 582.225+/-335.638 χ^2/NDF: 42.9/38

All: 288.936+/-238.405 χ^2/NDF: 76.7/78

- sign -9.716+/-338.693 χ^2/NDF: 32.4/39

cor_asym_at2_dd_rms vs Slug



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.8/15

Left Out: 1710.856+/-0.284 χ^2/NDF:463254.8/22

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.4/18

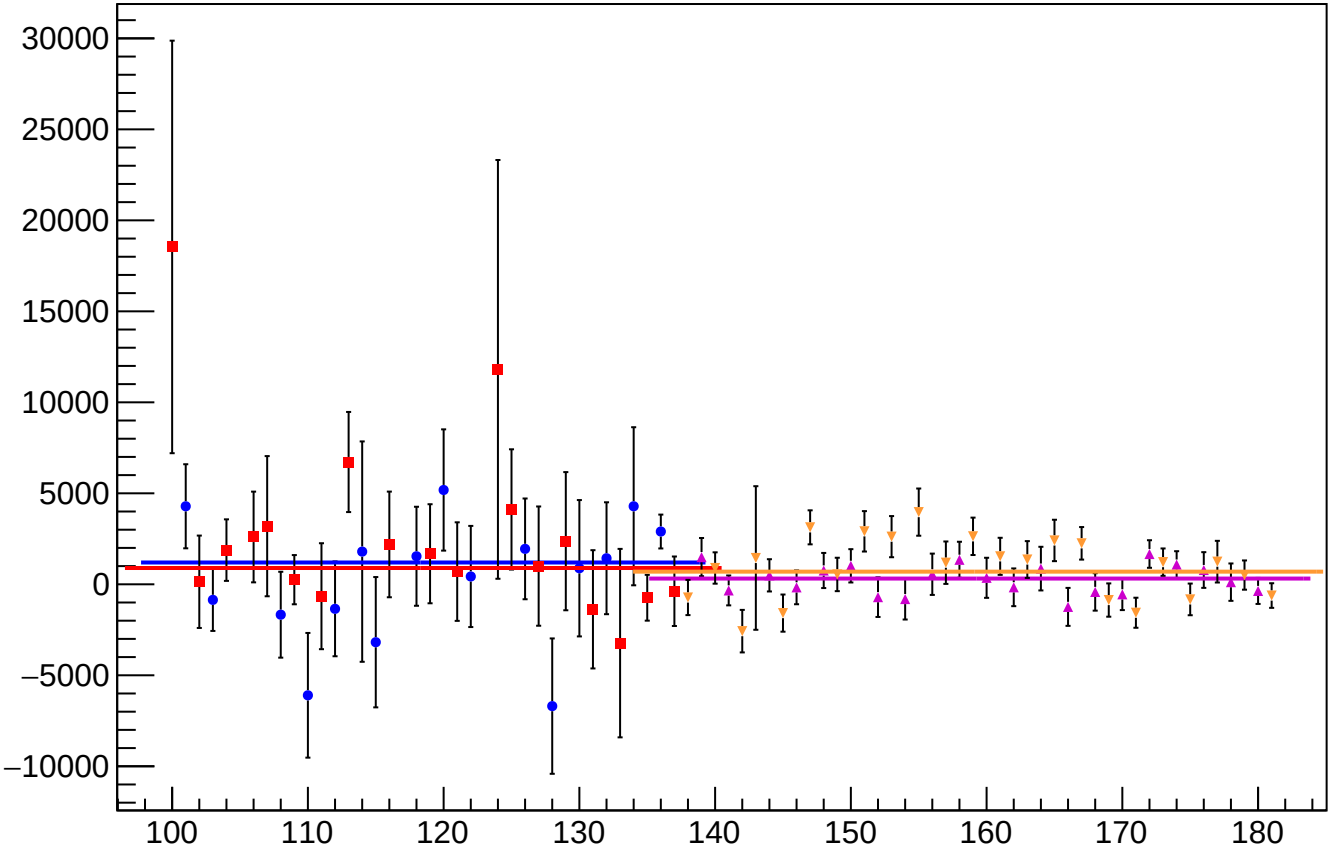
Left In: 1696.317+/-0.289 χ^2/NDF:142480.5/20

+ sign 1681.354+/-0.237 χ^2/NDF: 903392.4/38

All: 1674.271+/-0.169 χ^2/NDF: 1505904.7/78

- sign 1667.058+/-0.239 χ^2/NDF: 600714.6/39

asym_at2_dd_cor_correction_mean vs Slug



Right In: 1198.338+/-578.240 χ^2/NDF: 21.7/15

Left Out: 695.229+/-201.630 χ^2/NDF:63.3/22

Right Out: 895.463+/-556.666 χ^2/NDF: 14.2/18

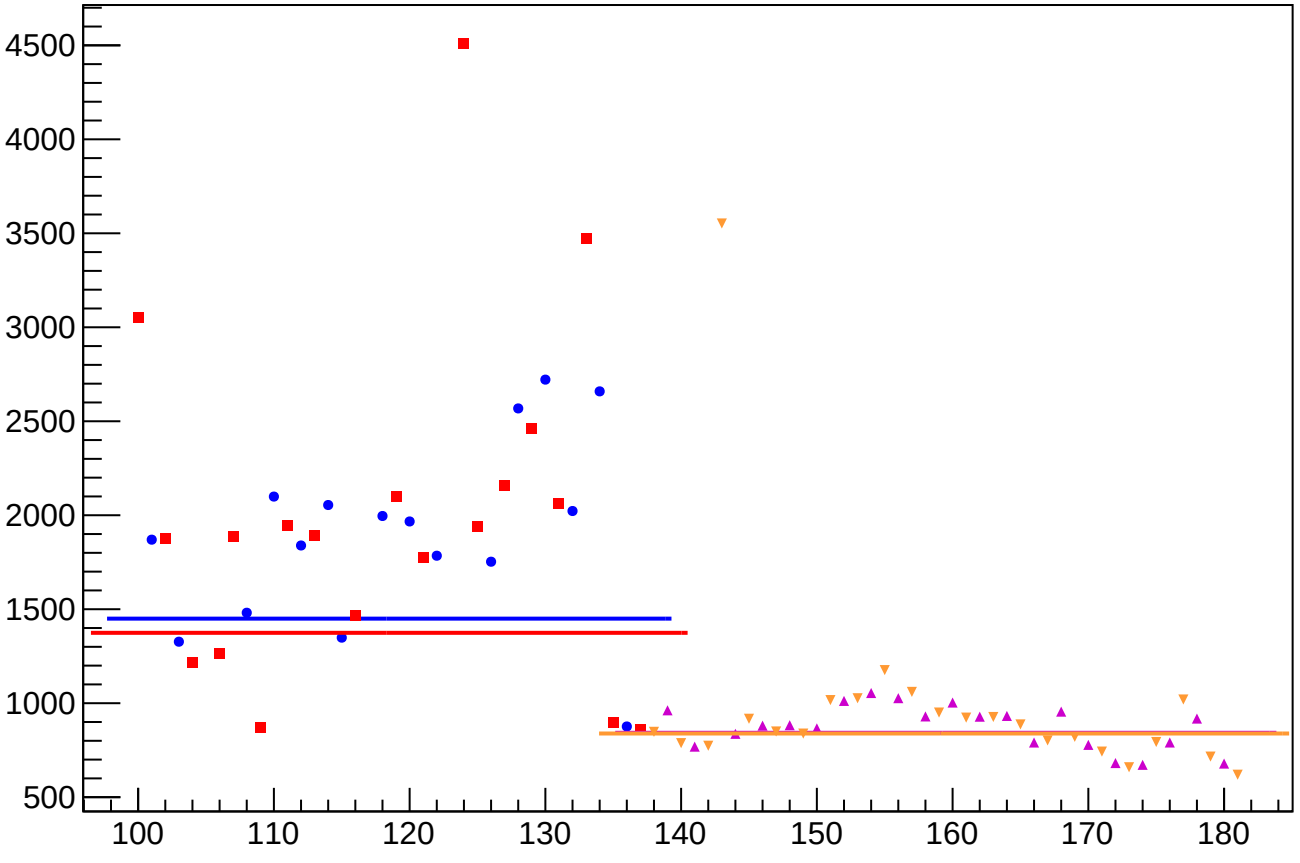
Left In: 315.080+/-205.387 χ^2/NDF:15.6/20

+ sign 749.770+/-190.387 χ^2/NDF: 85.6/38

All: 569.391+/-135.431 χ^2/NDF: 118.2/78

- sign 384.622+/-192.690 χ^2/NDF: 30.8/39

asym_at2_dd_cor_correction_rms vs Slug



Right In: 1449.939+/-0.409 χ^2/NDF: 1792673.2/15

Left Out: 838.816+/-0.143 χ^2/NDF:1799326.3/22

Right Out: 1374.438+/-0.394 χ^2/NDF: 2127695.6/18

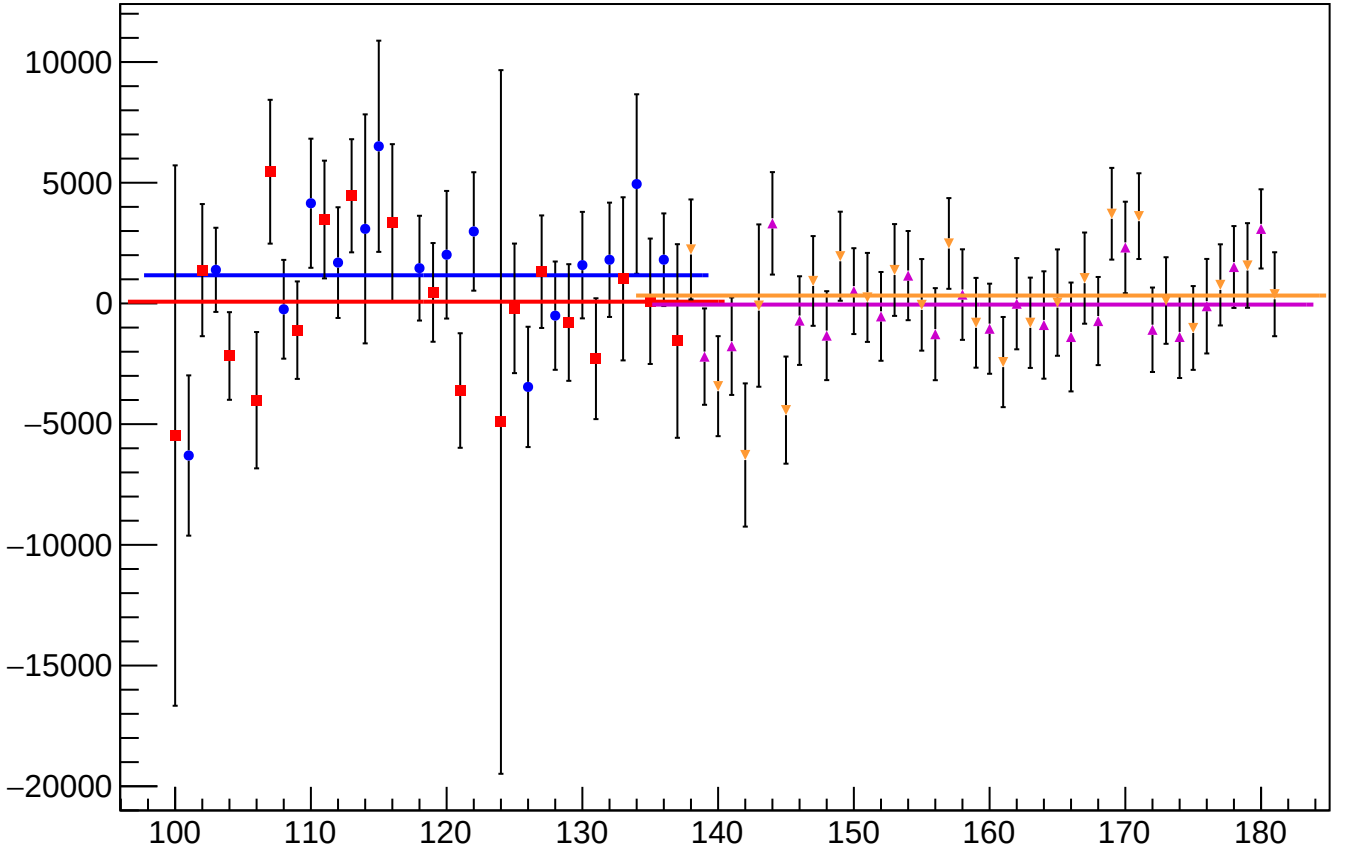
Left In: 842.614+/-0.145 χ^2/NDF:664331.6/20

+ sign 905.066+/-0.135 χ^2/NDF: 5583758.6/38

All: 905.694+/-0.096 χ^2/NDF: 9982577.1/78

- sign 906.337+/-0.136 χ^2/NDF: 4398774.4/39

eigen_cor_asym_at2_dd_mean vs Slug



Right In: 1166.769+/-609.171 χ^2/NDF: 14.4/15

Left Out: 327.422+/-402.193 χ^2/NDF:27.1/22

Right Out: 72.499+/-603.362 χ^2/NDF: 18.3/18

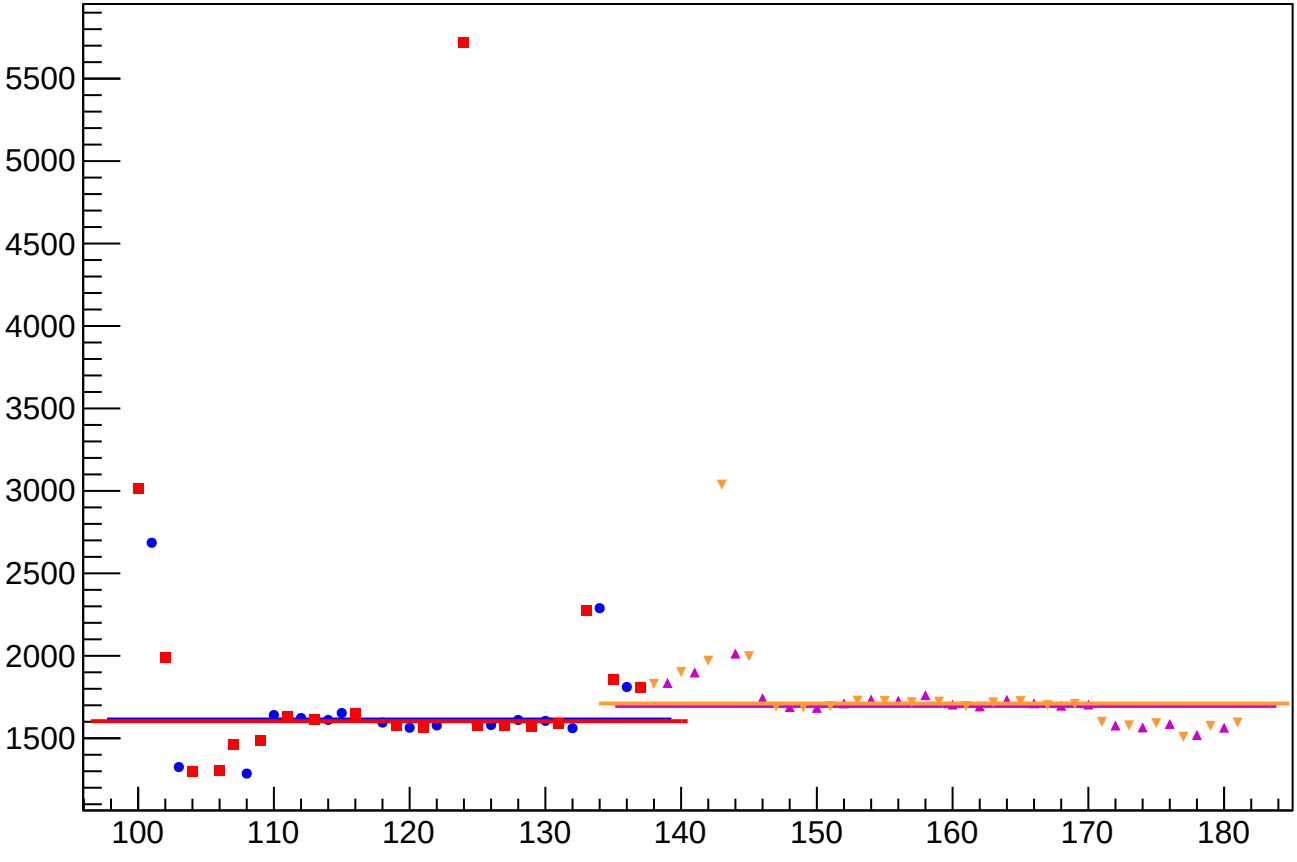
Left In: -47.542+/-409.255 χ^2/NDF:14.0/20

+ sign 582.225+/-335.638 χ^2/NDF: 42.9/38

All: 288.936+/-238.405 χ^2/NDF: 76.7/78

- sign -9.716+/-338.693 χ^2/NDF: 32.4/39

eigen_cor_asym_at2_dd_rms vs Slug



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.8/15

Left Out: 1710.856+/-0.284 χ^2/NDF:463254.8/22

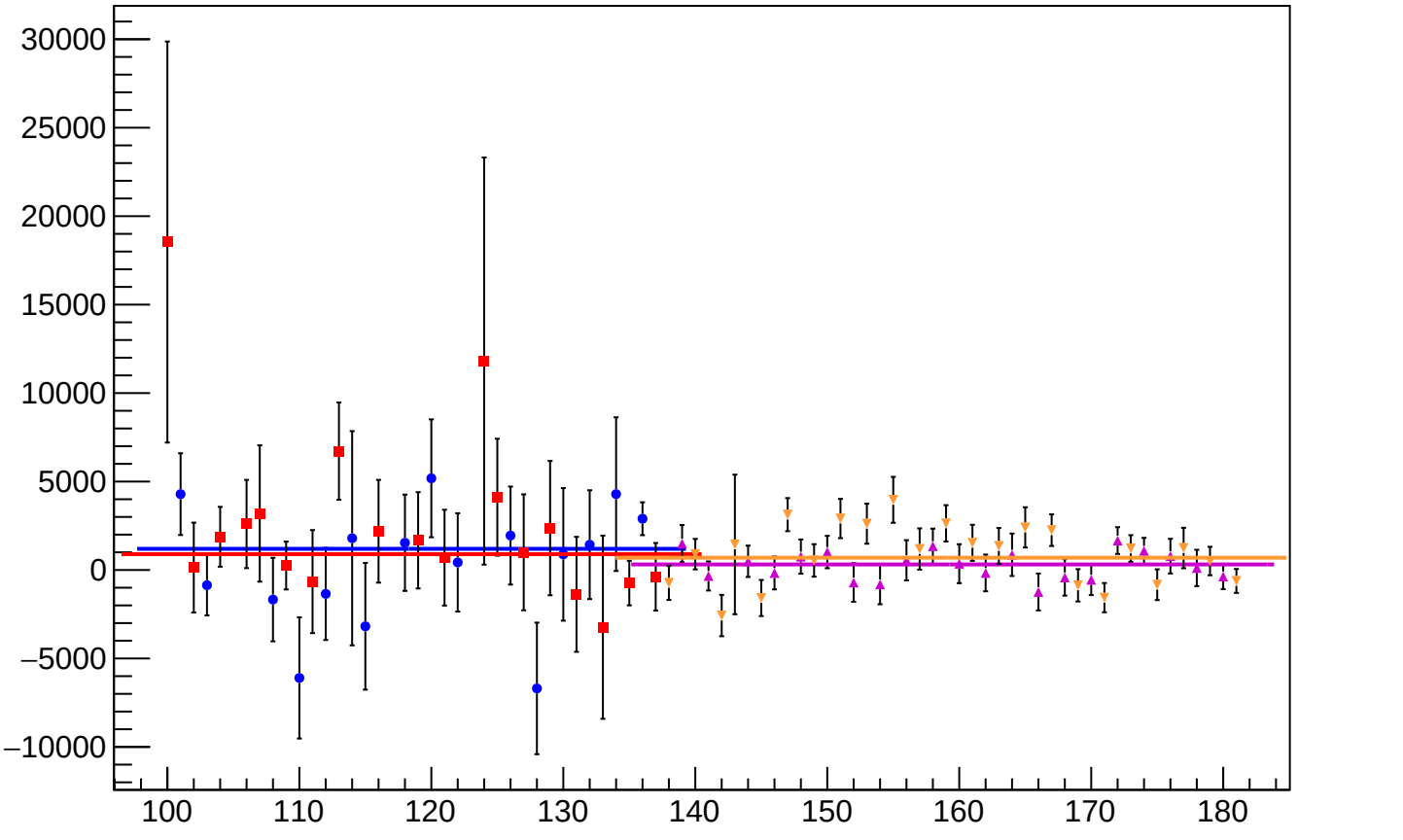
Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.4/18

Left In: 1696.317+/-0.289 χ^2/NDF:142480.5/20

+ sign 1681.354+/-0.237 χ^2/NDF: 903392.4/38

All: 1674.271+/-0.169 χ^2/NDF: 1505904.7/78

- sign 1667.058+/-0.239 χ^2/NDF: 600714.6/39



Right In: 1198.338+/-578.240 χ^2/NDF: 21.7/15

Left Out: 695.229+/-201.630 χ^2/NDF:63.3/22

Right Out: 895.463+/-556.666 χ^2/NDF: 14.2/18

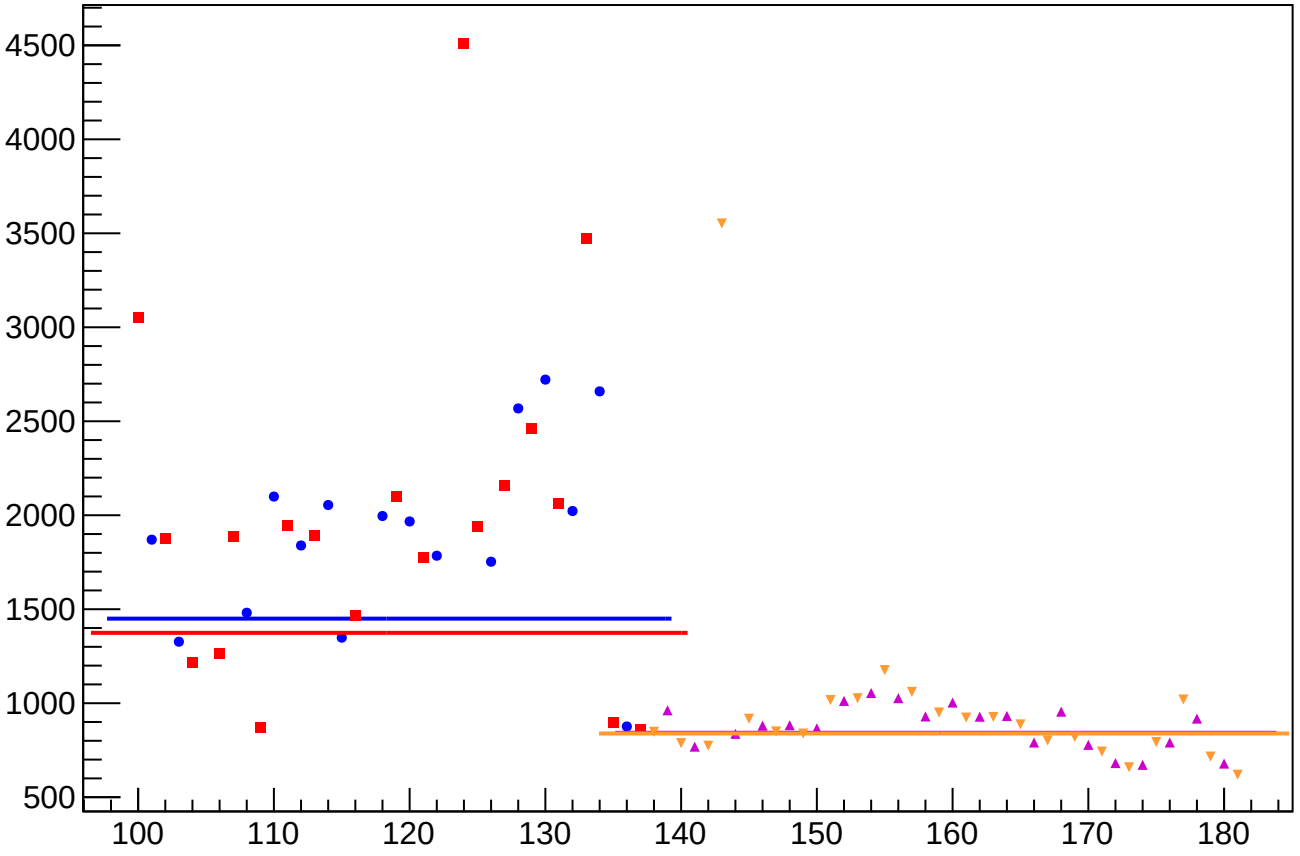
Left In: 315.080+/-205.387 χ^2/NDF:15.6/20

\+ sign 749.770+/-190.387 χ^2/NDF: 85.6/38

All: 569.391+/-135.431 χ^2/NDF: 118.2/78

\- sign 384.622+/-192.690 χ^2/NDF: 30.8/39

asym_at2_dd_eigen_cor_correction_rms vs Slug



Right In: 1449.939+/-0.409 χ^2/NDF: 1792673.2/15

Left Out: 838.816+/-0.143 χ^2/NDF:1799326.3/22

Right Out: 1374.438+/-0.394 χ^2/NDF: 2127695.6/18

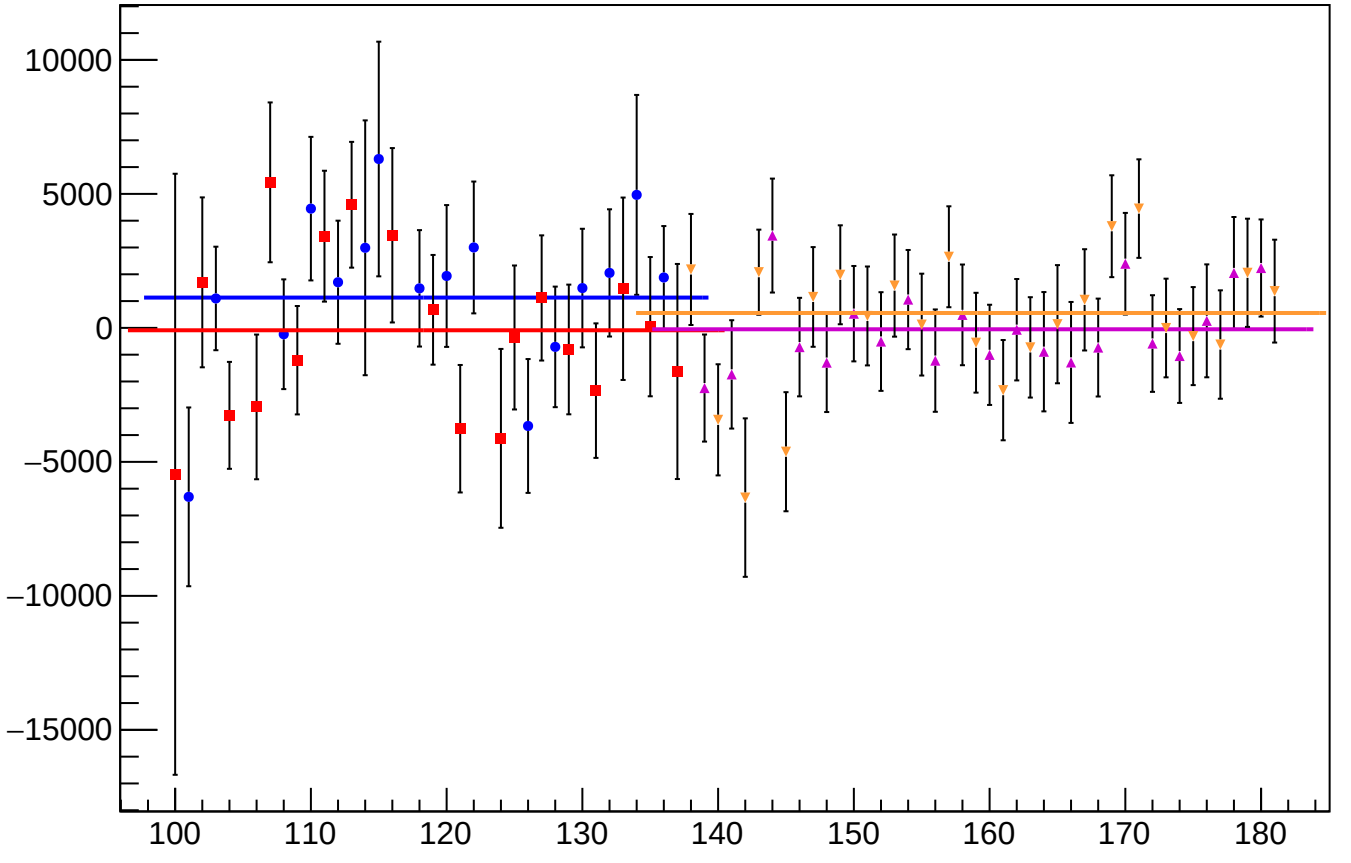
Left In: 842.614+/-0.145 χ^2/NDF:664331.6/20

+ sign 905.066+/-0.135 χ^2/NDF: 5583758.6/38

All: 905.694+/-0.096 χ^2/NDF: 9982577.1/78

- sign 906.337+/-0.136 χ^2/NDF: 4398774.4/39

dit_asym_at2_dd_mean vs Slug



Right In: 1130.726+/-617.236 χ^2/NDF: 15.0/15

Left Out: 555.946+/-402.843 χ^2/NDF:30.4/22

Right Out: -89.220+/-603.072 χ^2/NDF: 20.7/18

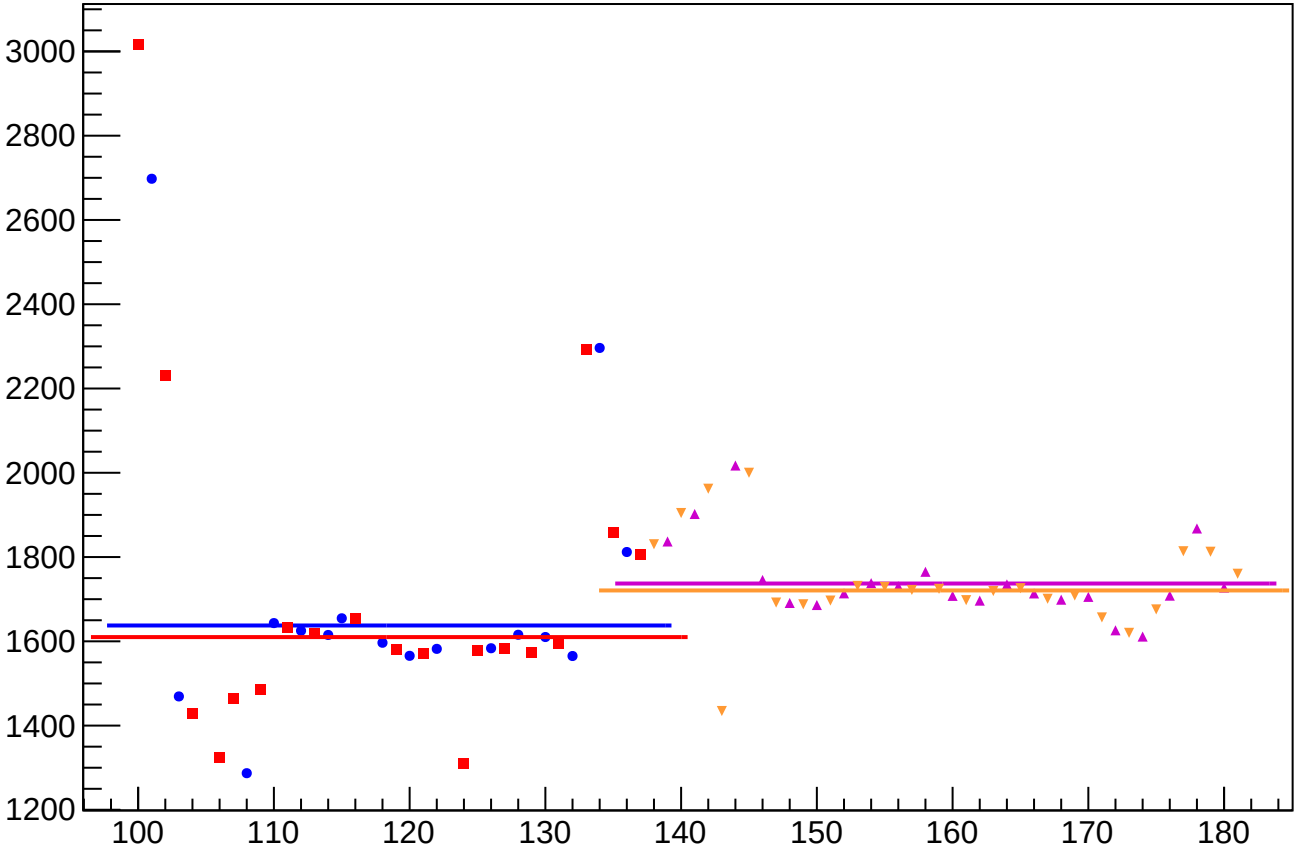
Left In: -52.030+/-418.826 χ^2/NDF:11.7/20

+ sign 727.643+/-337.351 χ^2/NDF: 46.0/38

All: 339.486+/-240.861 χ^2/NDF: 81.1/78

- sign -64.131+/-344.004 χ^2/NDF: 32.4/39

dit_asym_at2_dd_rms vs Slug



Right In: 1637.574+/-0.436 χ^2/NDF: 361417.0/15

Left Out: 1720.733+/-0.285 χ^2/NDF:152180.3/22

Right Out: 1610.043+/-0.426 χ^2/NDF: 280812.5/18

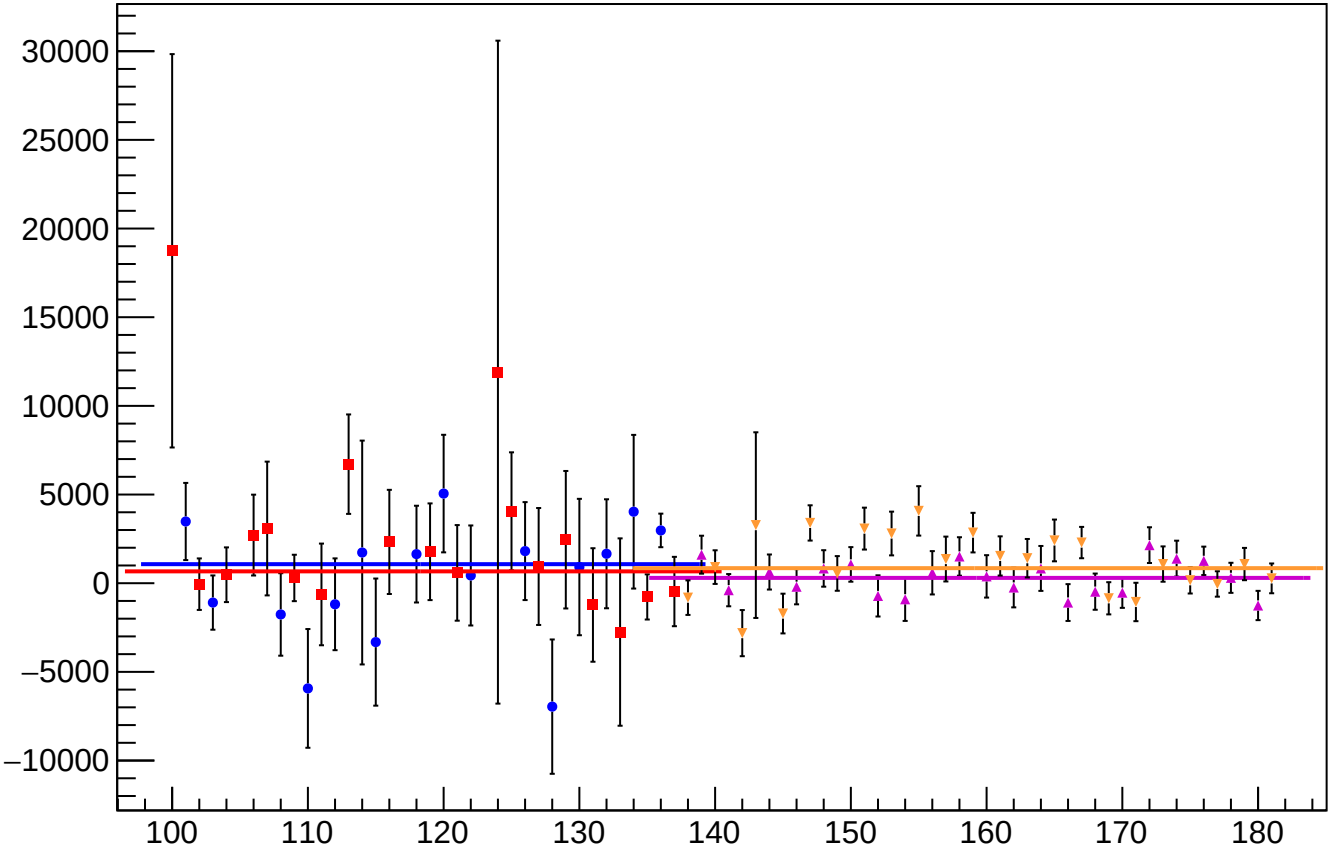
Left In: 1737.178+/-0.296 χ^2/NDF:85985.3/20

+ sign 1695.892+/-0.239 χ^2/NDF: 539056.5/38

All: 1695.852+/-0.170 χ^2/NDF: 965817.3/78

- sign 1695.811+/-0.243 χ^2/NDF: 426760.8/39

asym_at2_dd_dit_correction_mean vs Slug



Right In: 1073.600+/-571.609 χ^2/NDF: 22.0/15

Left Out: 848.822+/-212.832 χ^2/NDF:52.5/22

Right Out: 667.777+/-523.477 χ^2/NDF: 13.6/18

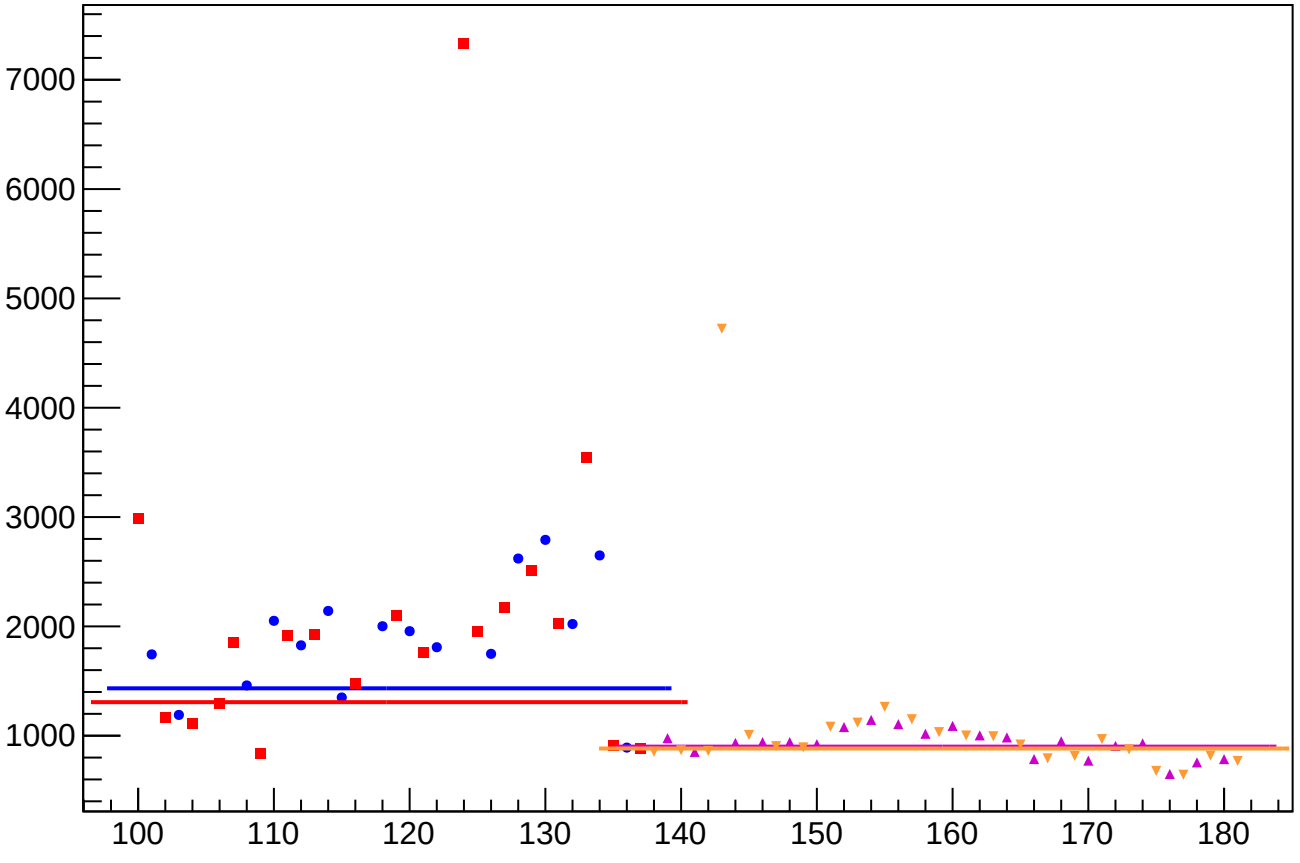
Left In: 299.611+/-219.319 χ^2/NDF:19.6/20

+ sign 876.190+/-199.455 χ^2/NDF: 74.6/38

All: 619.059+/-142.025 χ^2/NDF: 111.5/78

- sign 354.586+/-202.282 χ^2/NDF: 33.6/39

asym_at2_dd_dit_correction_rms vs Slug



Right In: 1433.477+/-0.404 χ^2/NDF: 1763491.8/15

Left Out: 882.997+/-0.150 χ^2/NDF:2022766.4/22

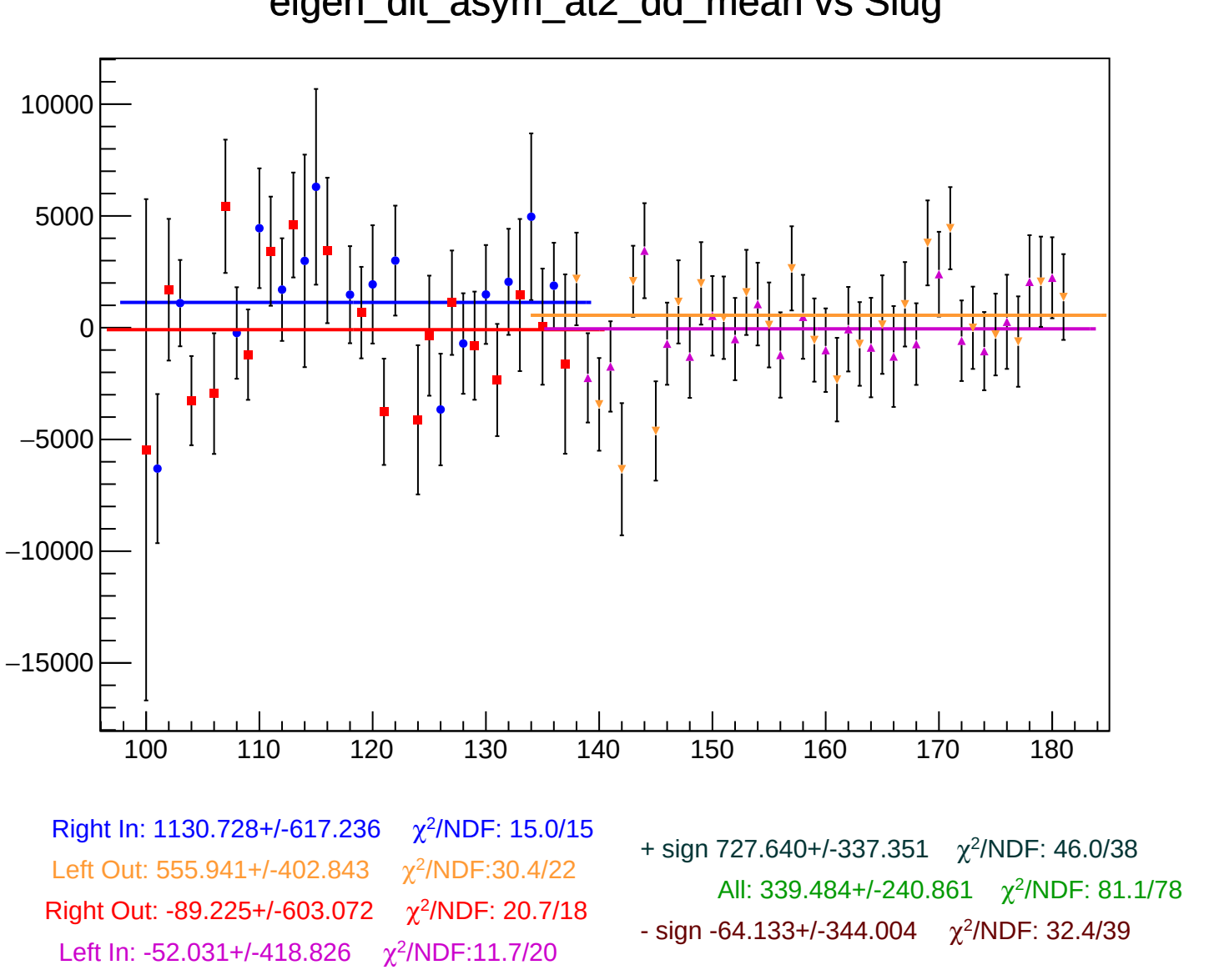
Right Out: 1306.866+/-0.370 χ^2/NDF: 2183906.3/18

Left In: 900.089+/-0.155 χ^2/NDF:675474.5/20

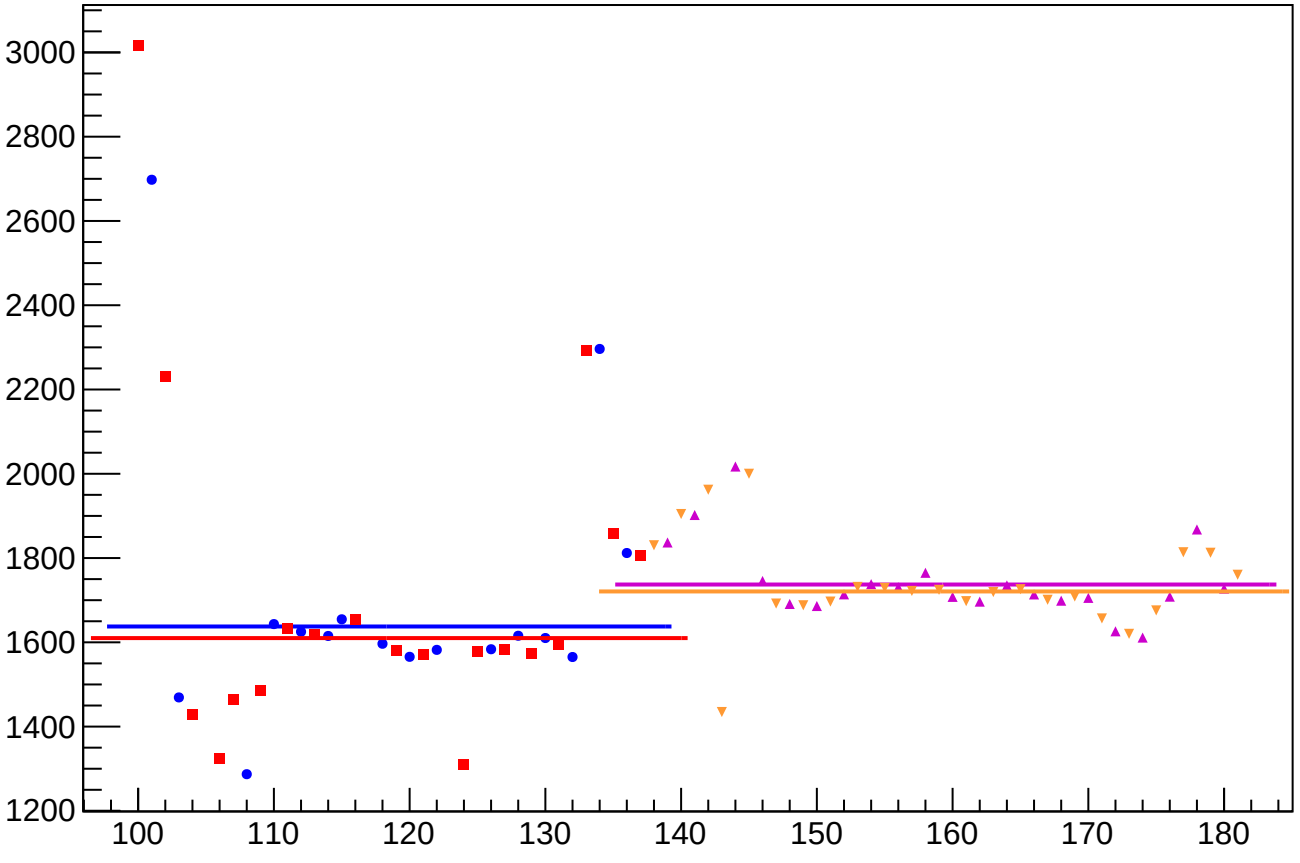
+ sign 950.021+/-0.141 χ^2/NDF: 5415291.6/38

All: 955.350+/-0.100 χ^2/NDF: 9304904.9/78

- sign 960.830+/-0.143 χ^2/NDF: 3886718.1/39


eigen_dit_asym_at2_dd_mean vs Slug
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
180
Right In: 1130.728+/-617.236 χ²/NDF: 15.0/15
Left Out: 555.941+/-402.843 χ²/NDF:30.4/22
Right Out: -89.225+/-603.072 χ²/NDF: 20.7/18
Left In: -52.031+/-418.826 χ²/NDF:11.7/20
+ sign 727.640+/-337.351 χ²/NDF: 46.0/38
All: 339.484+/-240.861 χ²/NDF: 81.1/78
- sign -64.133+/-344.004 χ²/NDF: 32.4/39

eigen_dit_asym_at2_dd_rms vs Slug



Right In: 1637.574+/-0.436 χ^2/NDF: 361416.8/15

Left Out: 1720.733+/-0.285 χ^2/NDF:152179.2/22

Right Out: 1610.043+/-0.426 χ^2/NDF: 280812.7/18

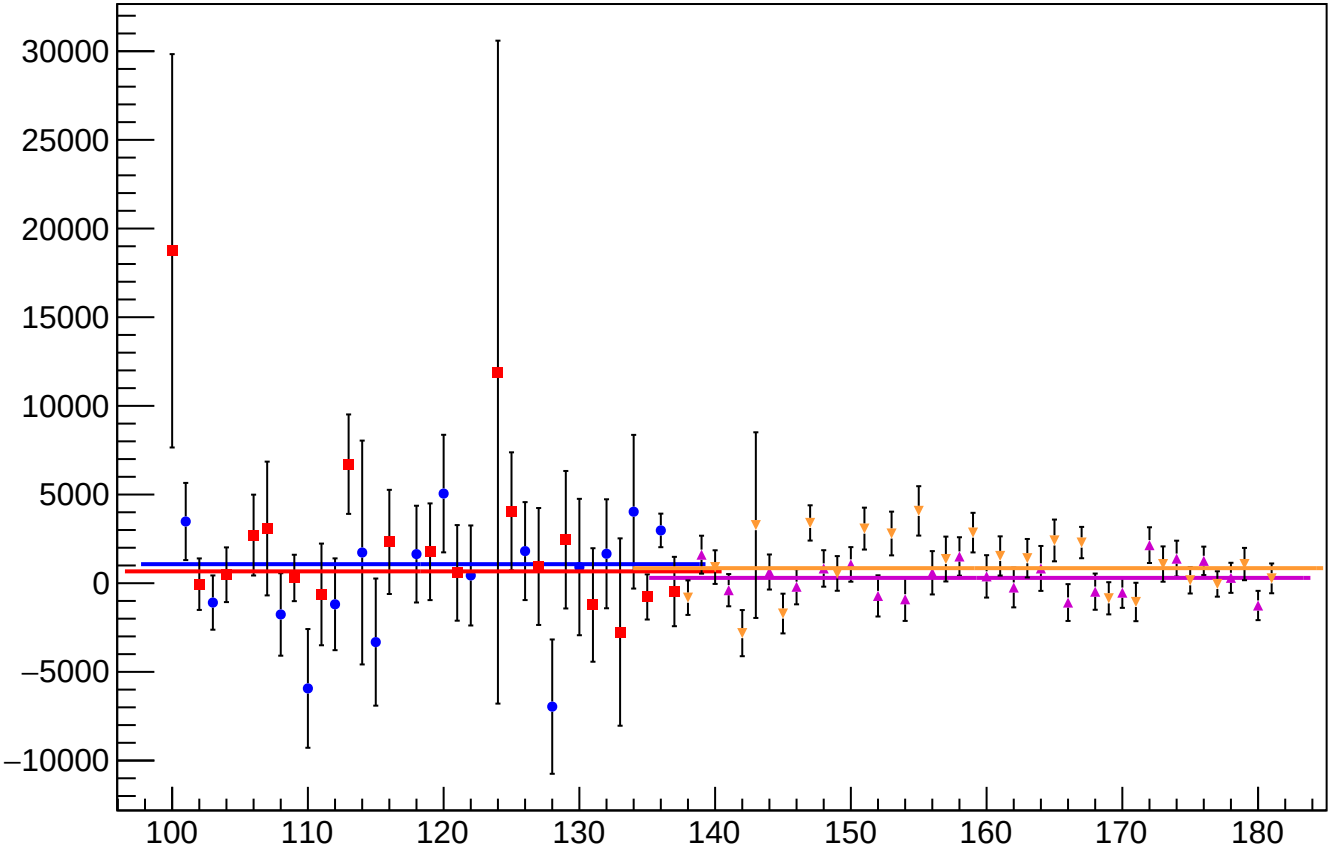
Left In: 1737.178+/-0.296 χ^2/NDF:85985.4/20

+ sign 1695.892+/-0.239 χ^2/NDF: 539055.1/38

All: 1695.852+/-0.170 χ^2/NDF: 965815.9/78

- sign 1695.811+/-0.243 χ^2/NDF: 426760.8/39

asym_at2_dd_eigen_dit_correction_mean vs Slug



Right In: 1073.589+/-571.613 χ^2/NDF: 22.0/15

Left Out: 848.825+/-212.832 χ^2/NDF:52.5/22

Right Out: 667.789+/-523.481 χ^2/NDF: 13.6/18

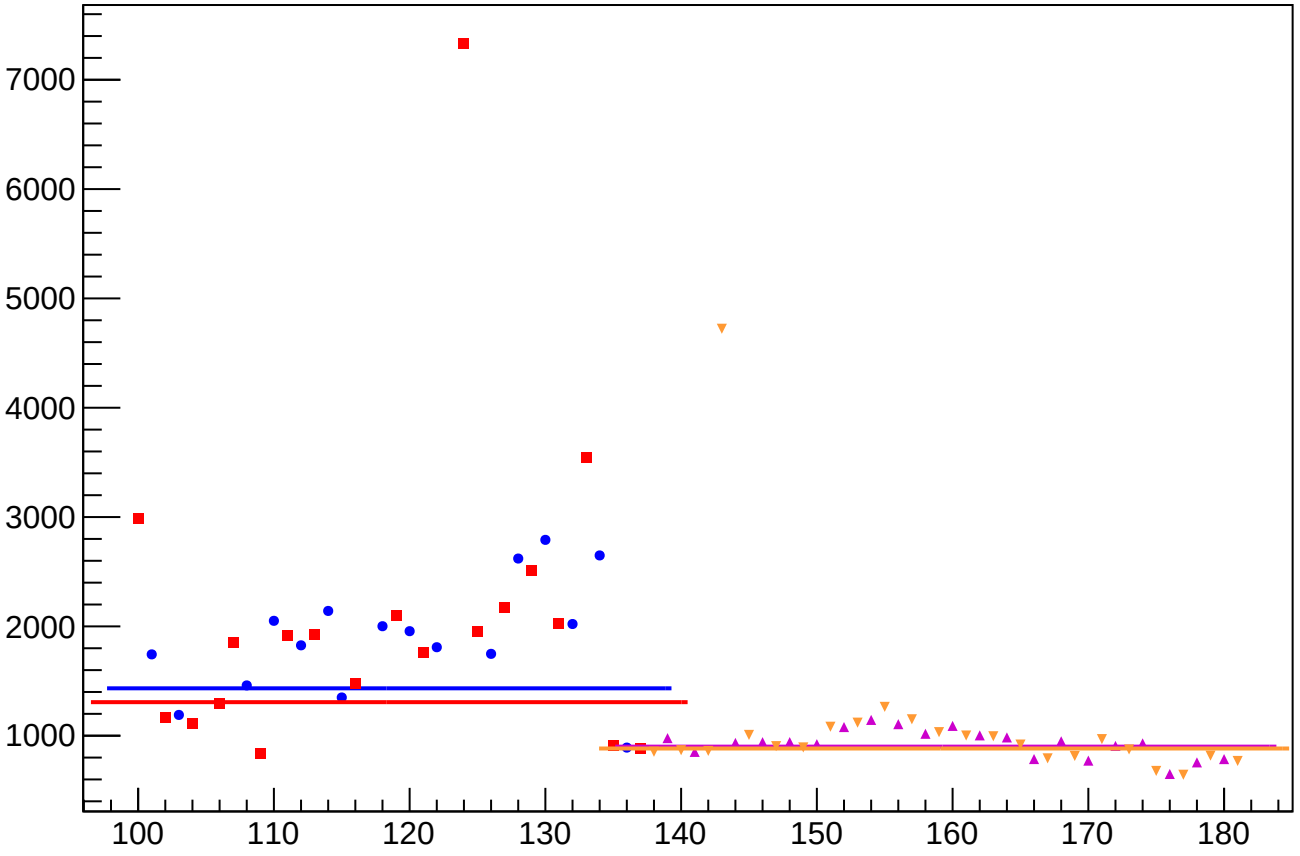
Left In: 299.608+/-219.318 χ^2/NDF:19.6/20

+ sign 876.191+/-199.455 χ^2/NDF: 74.6/38

All: 619.059+/-142.025 χ^2/NDF: 111.5/78

- sign 354.585+/-202.282 χ^2/NDF: 33.6/39

asym_at2_dd_eigen_dit_correction_rms vs Slug



Right In: 1433.492+/-0.404 χ^2/NDF: 1763397.4/15

Left Out: 882.997+/-0.150 χ^2/NDF:2022758.9/22

Right Out: 1306.880+/-0.370 χ^2/NDF: 2183835.0/18

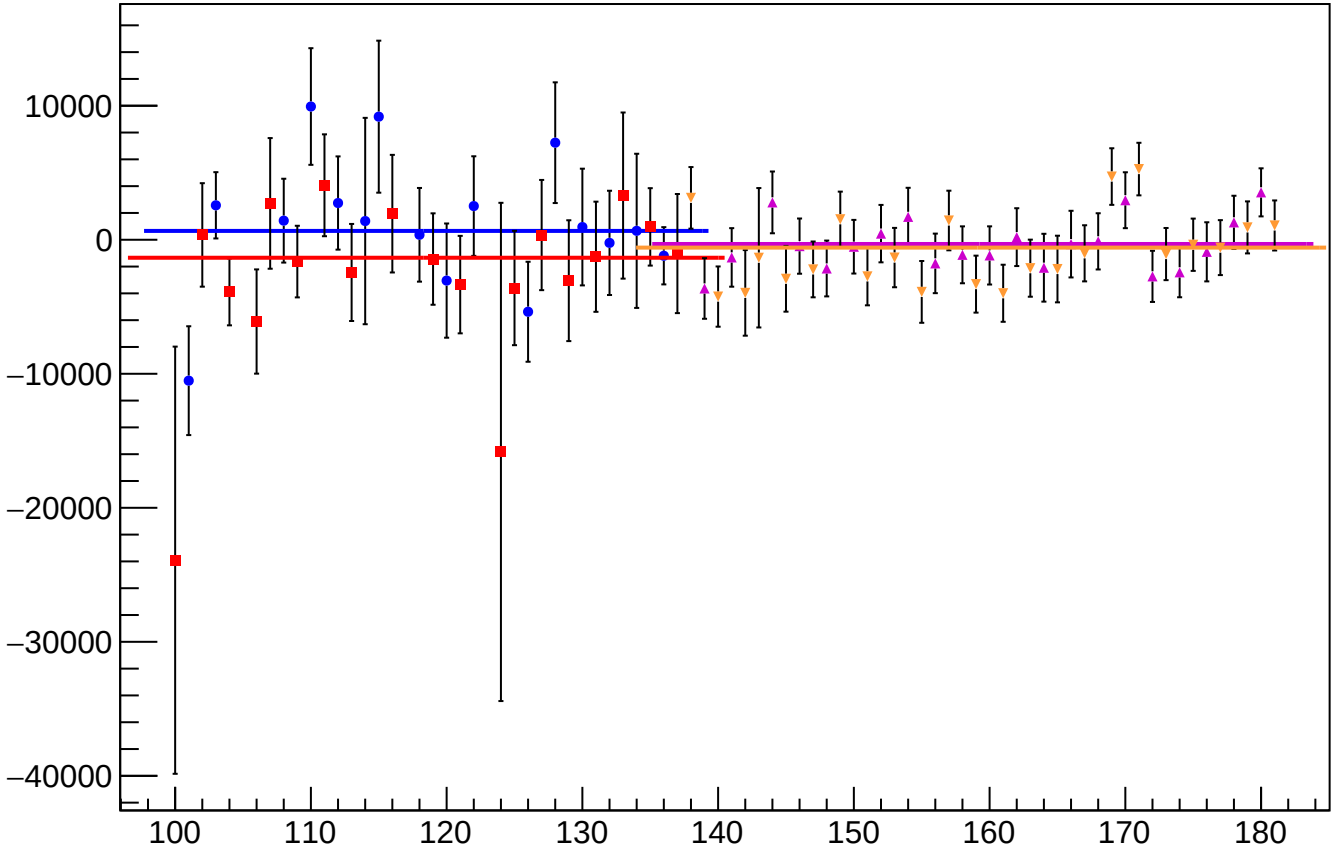
Left In: 900.088+/-0.155 χ^2/NDF:675485.6/20

+ sign 950.022+/-0.141 χ^2/NDF: 5415260.8/38

All: 955.350+/-0.100 χ^2/NDF: 9304875.7/78

- sign 960.830+/-0.143 χ^2/NDF: 3886720.4/39

asym_at2_dd_mean vs Slug



Right In: 659.458+/-909.570 χ^2/NDF: 22.0/15

Left Out: -586.034+/-455.617 χ^2/NDF:34.8/22

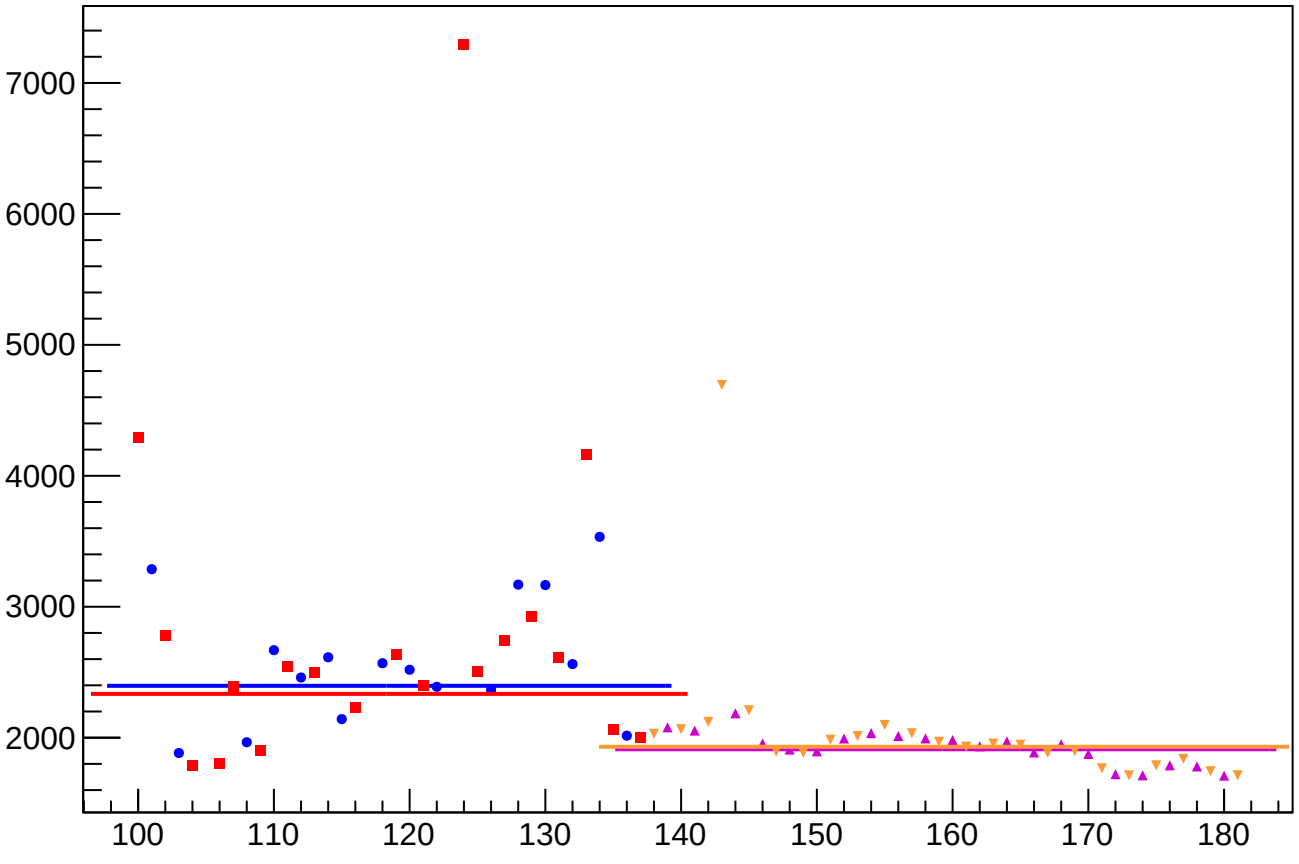
Right Out: -1341.998+/-890.576 χ^2/NDF: 10.8/18

Left In: -315.396+/-461.284 χ^2/NDF:17.9/20

\+ sign -336.207+/-407.367 χ^2/NDF: 58.3/38

All: -433.845+/-288.838 χ^2/NDF: 88.2/78

\- sign -532.557+/-409.600 χ^2/NDF: 29.8/39



Right In: 2396.276+/-0.643 χ^2/NDF: 507897.2/15

Left Out: 1930.694+/-0.322 χ^2/NDF:730251.7/22

Right Out: 2334.592+/-0.630 χ^2/NDF: 681568.6/18

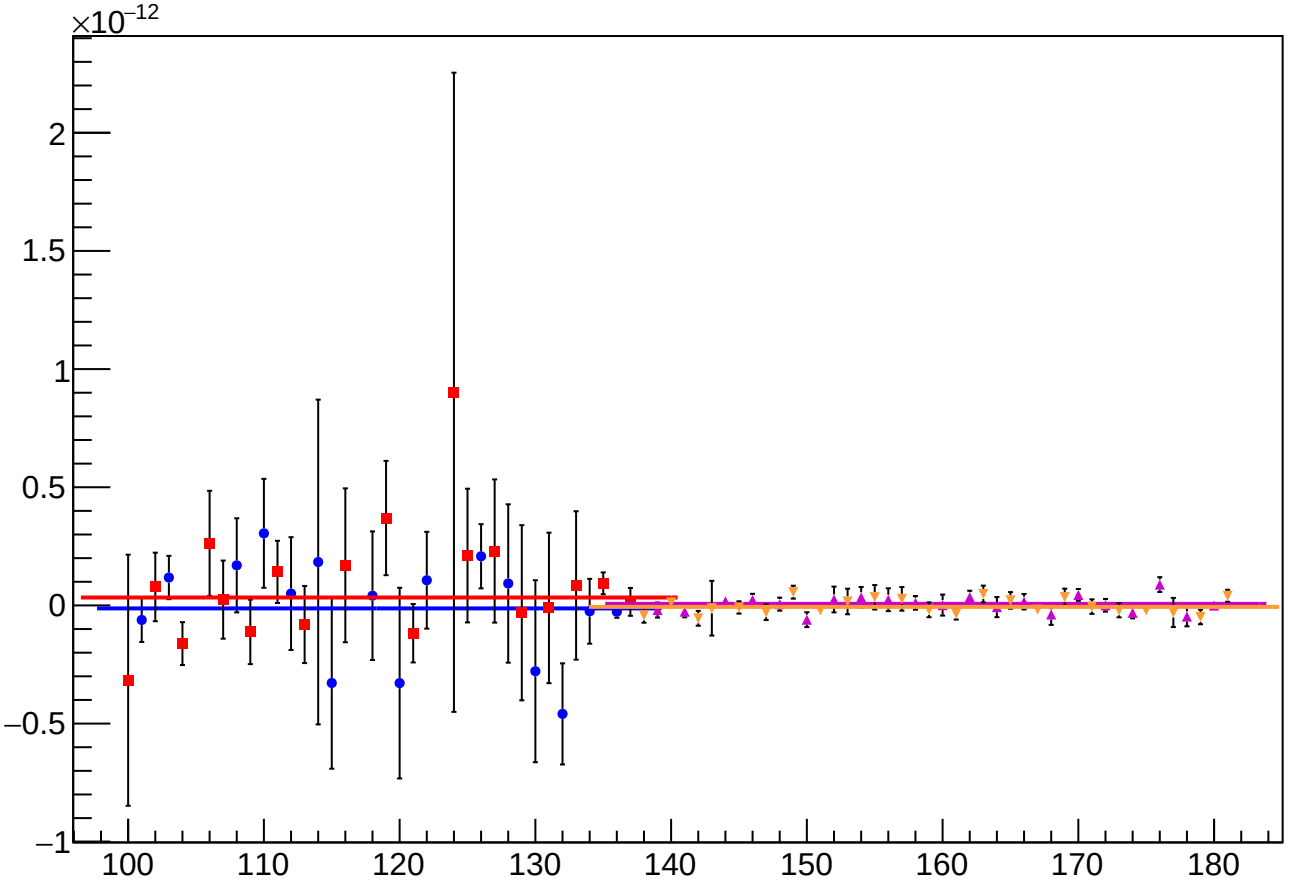
Left In: 1911.548+/-0.326 χ^2/NDF:153363.6/20

+ sign 2024.083+/-0.288 χ^2/NDF: 1657061.0/38

All: 2012.623+/-0.204 χ^2/NDF: 2851012.2/78

- sign 2001.037+/-0.290 χ^2/NDF: 1190768.2/39

asym_at2_dd_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:24.6/22

Right Out: 0.000+/-0.000 χ^2/NDF: 15.2/18

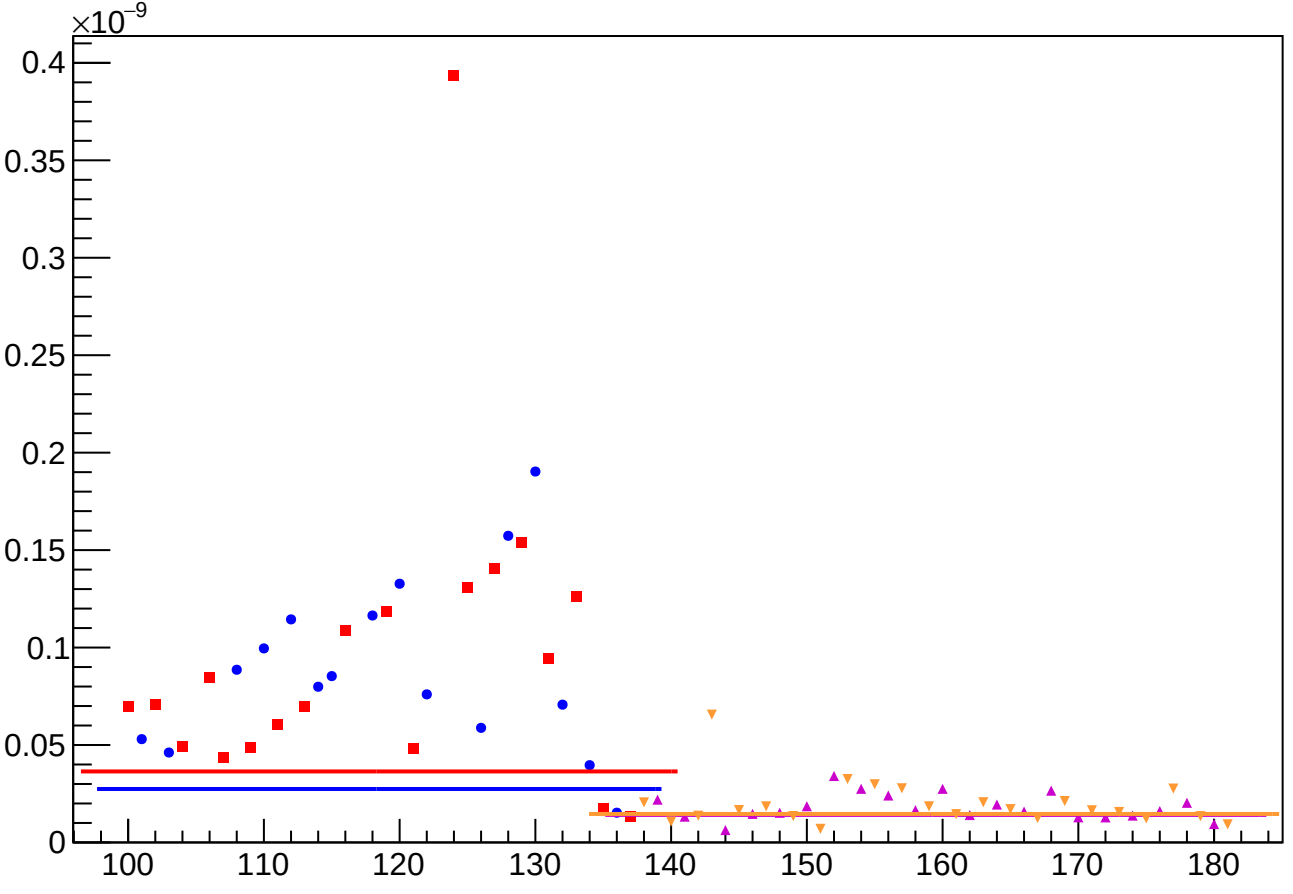
Left In: 0.000+/-0.000 χ^2/NDF:24.4/20

+ sign -0.000+/-0.000 χ^2/NDF: 39.5/38

All: 0.000+/-0.000 χ^2/NDF: 83.0/78

- sign 0.000+/-0.000 χ^2/NDF: 40.5/39

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:1865343.5/22

Right Out: 0.000+/-0.000 χ^2/NDF: 2442395.8/18

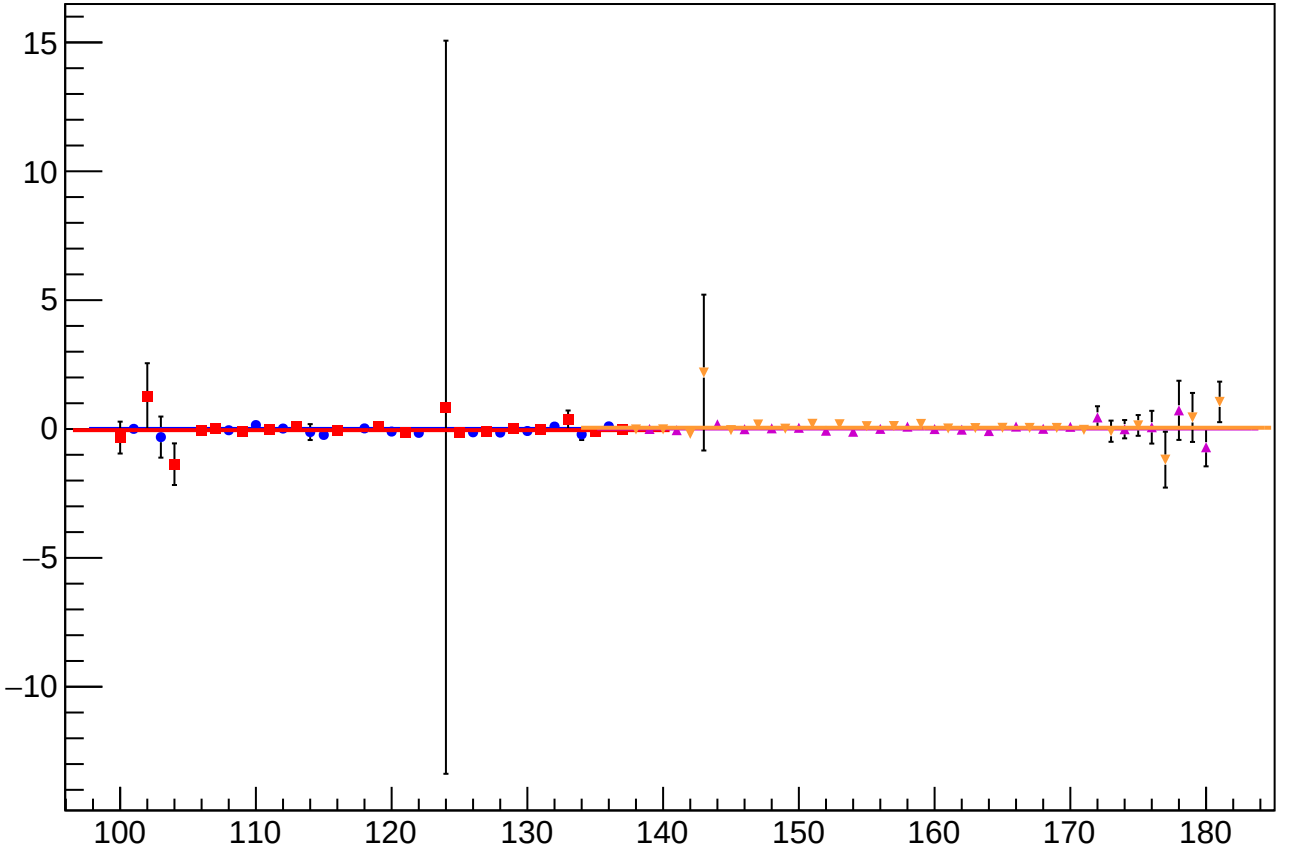
Left In: 0.000+/-0.000 χ^2/NDF:1907026.9/20

+ sign 0.000+/-0.000 χ^2/NDF: 5215293.8/38

All: 0.000+/-0.000 χ^2/NDF: 10781067.5/78

- sign 0.000+/-0.000 χ^2/NDF: 5562142.0/39

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:23.0/22

Right Out: -0.044+/-0.025 χ^2/NDF: 12.7/18

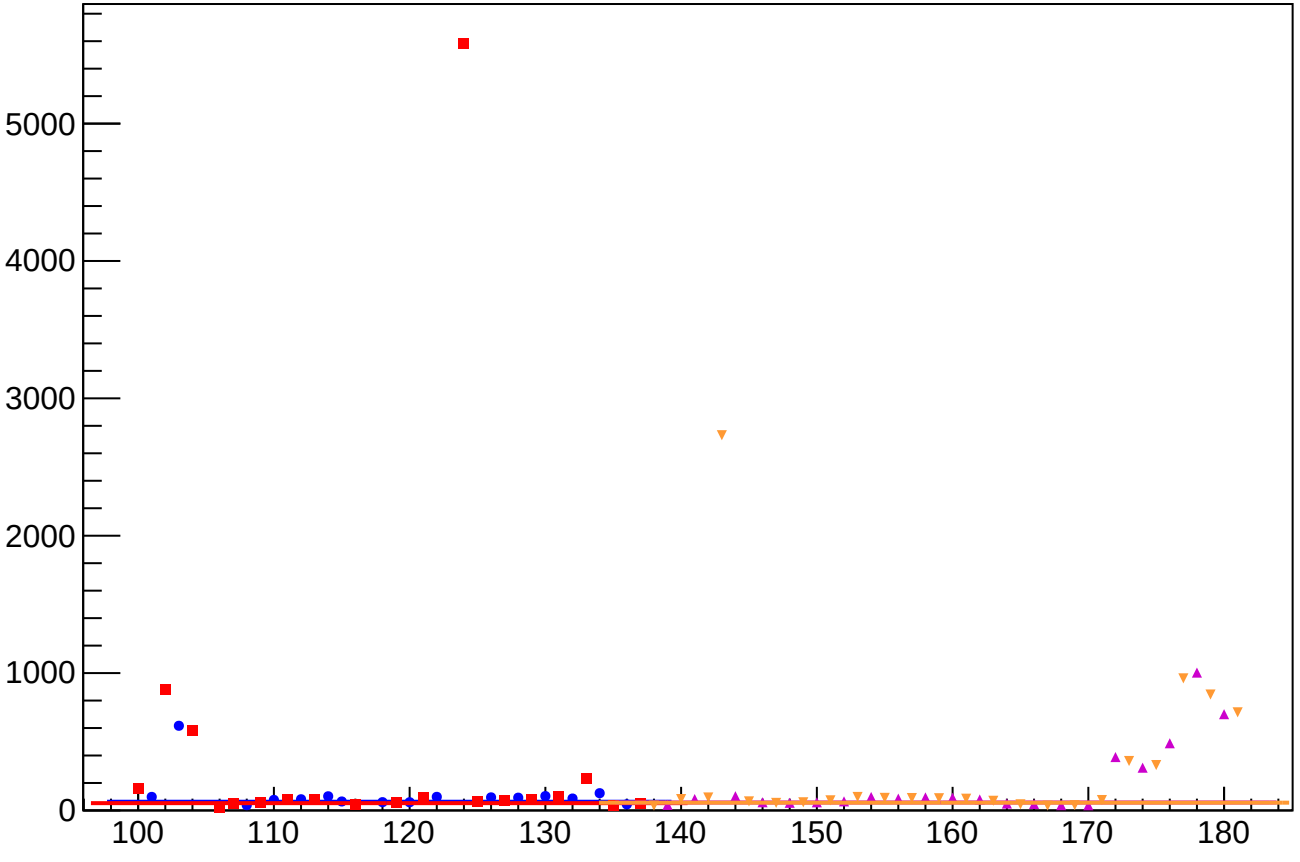
Left In: 0.020+/-0.017 χ^2/NDF:14.1/20

+ sign 0.036+/-0.014 χ^2/NDF: 38.4/38

All: 0.017+/-0.010 χ^2/NDF: 72.9/78

- sign -0.001+/-0.014 χ^2/NDF: 31.2/39

asym_at2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 63.454+/-0.019 χ^2/NDF: 2445255.1/15

Left Out: 56.653+/-0.012 χ^2/NDF:10749898.6/22

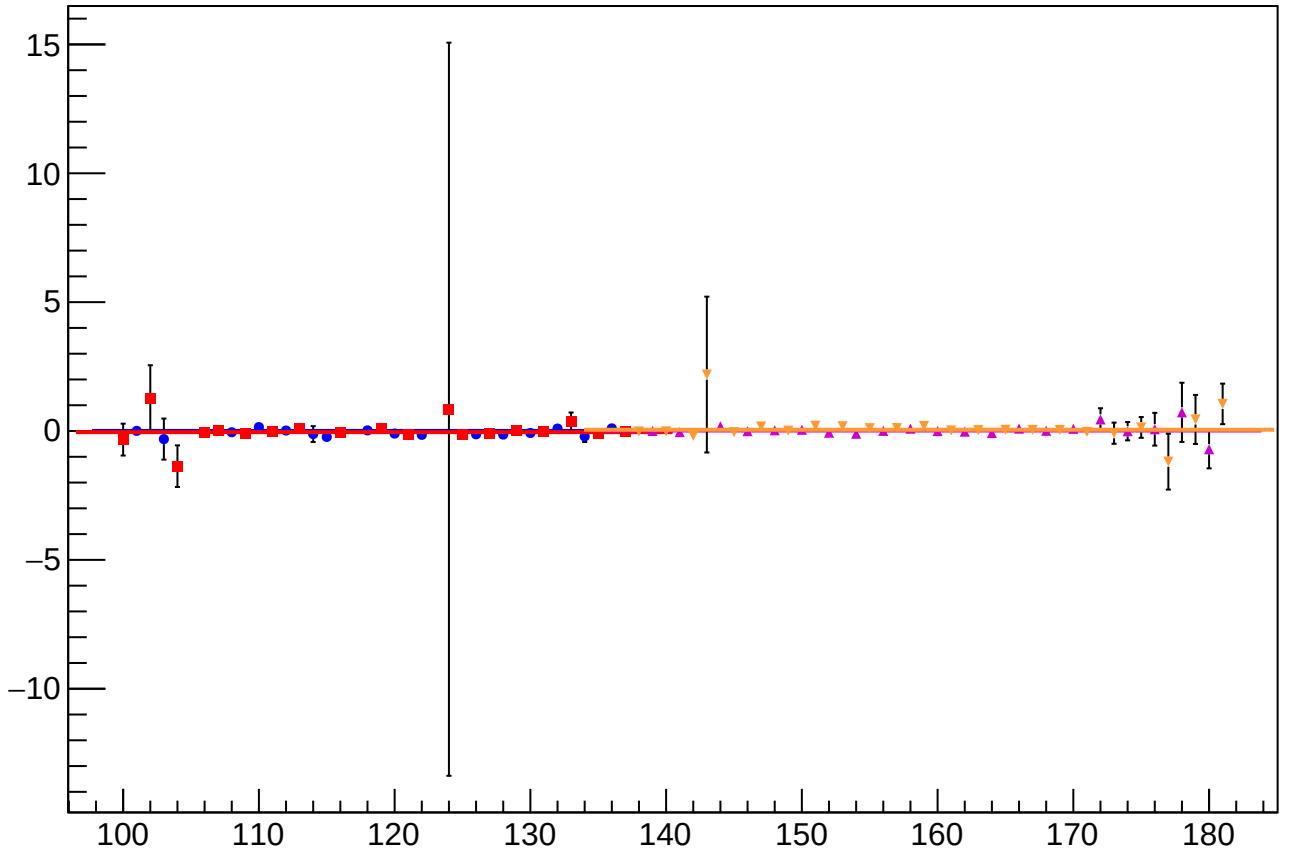
Right Out: 53.206+/-0.018 χ^2/NDF: 3945779.6/18

Left In: 57.964+/-0.012 χ^2/NDF:8647942.4/20

+ sign 58.569+/-0.010 χ^2/NDF: 13284874.5/38

All: 57.474+/-0.007 χ^2/NDF: 25950772.6/78

- sign 56.429+/-0.010 χ^2/NDF: 12643420.6/39



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: 0.049+/-0.017 χ^2/NDF:23.0/22

Right Out: -0.044+/-0.025 χ^2/NDF: 12.7/18

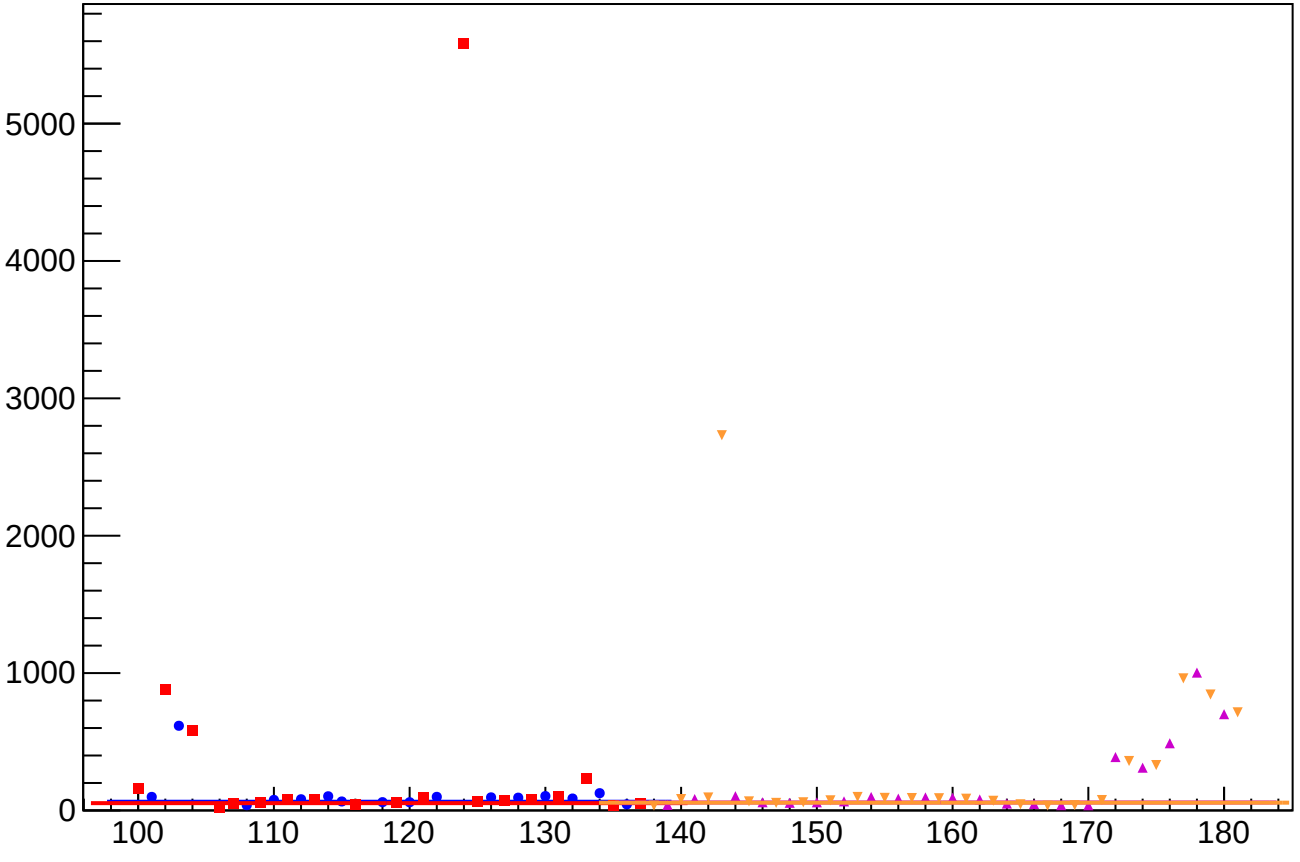
Left In: 0.020+/-0.017 χ^2/NDF:14.1/20

+ sign 0.036+/-0.014 χ^2/NDF: 38.4/38

All: 0.017+/-0.010 χ^2/NDF: 72.9/78

- sign -0.001+/-0.014 χ^2/NDF: 31.2/39

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: 56.653+/-0.012 χ^2/NDF:10749898.6/22

Right Out: 53.206+/-0.018 χ^2/NDF: 3945779.6/18

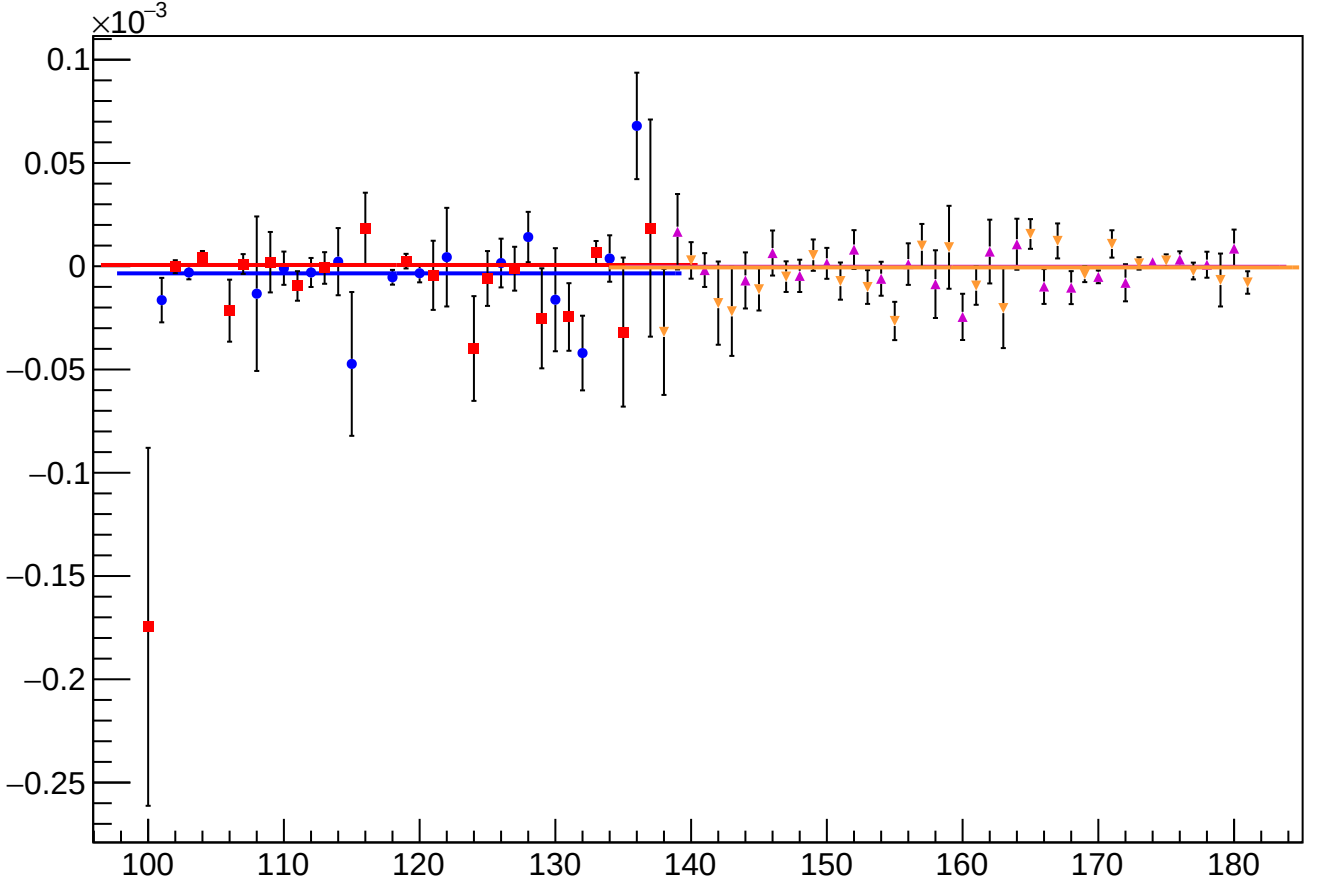
Left In: 57.964+/-0.012 χ^2/NDF:8647942.4/20

+ sign 58.569+/-0.010 χ^2/NDF: 13284874.5/38

All: 57.474+/-0.007 χ^2/NDF: 25950772.6/78

- sign 56.429+/-0.010 χ^2/NDF: 12643420.6/39

asym_at2_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 18.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:32.7/22

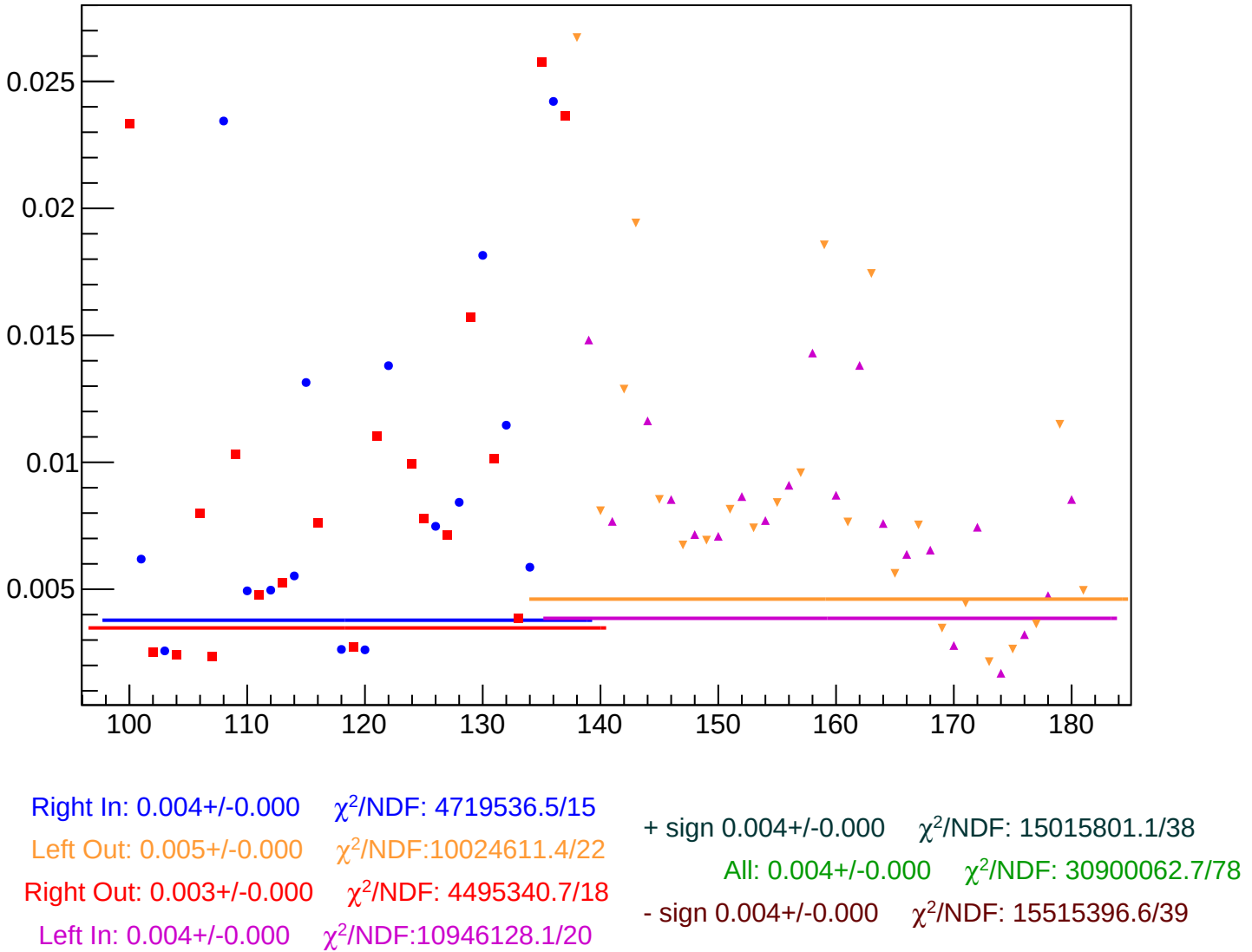
Right Out: 0.000+/-0.000 χ^2/NDF: 19.2/18

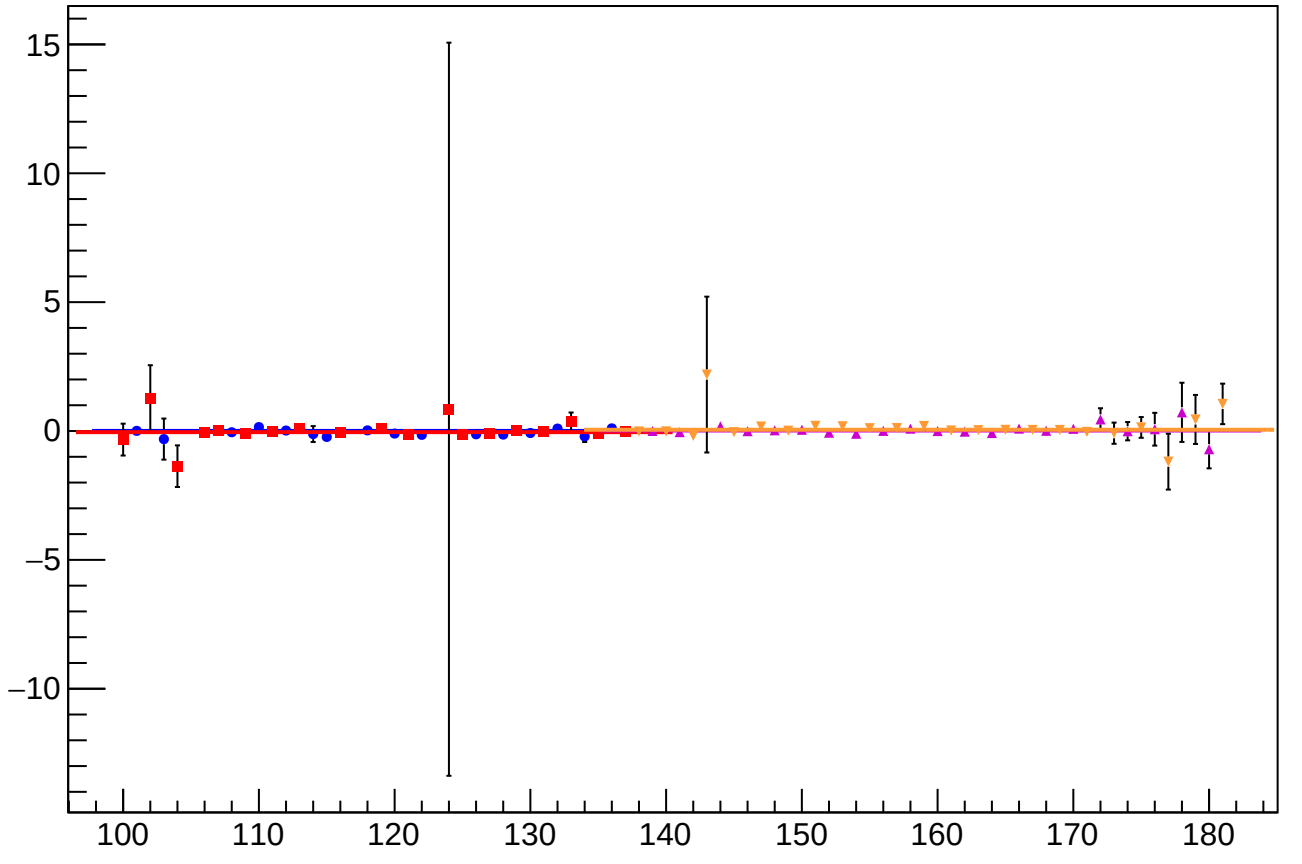
Left In: -0.000+/-0.000 χ^2/NDF:18.3/20

+ sign -0.000+/-0.000 χ^2/NDF: 53.2/38

All: -0.000+/-0.000 χ^2/NDF: 92.2/78

- sign 0.000+/-0.000 χ^2/NDF: 37.7/39


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:10024611.4/22
Right Out: 0.003+/-0.000 χ²/NDF: 4495340.7/18
Left In: 0.004+/-0.000 χ²/NDF:10946128.1/20
+ sign 0.004+/-0.000 χ²/NDF: 15015801.1/38
All: 0.004+/-0.000 χ²/NDF: 30900062.7/78
- sign 0.004+/-0.000 χ²/NDF: 15515396.6/39



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: 0.049+/-0.017 χ^2/NDF:23.0/22

Right Out: -0.044+/-0.025 χ^2/NDF: 12.7/18

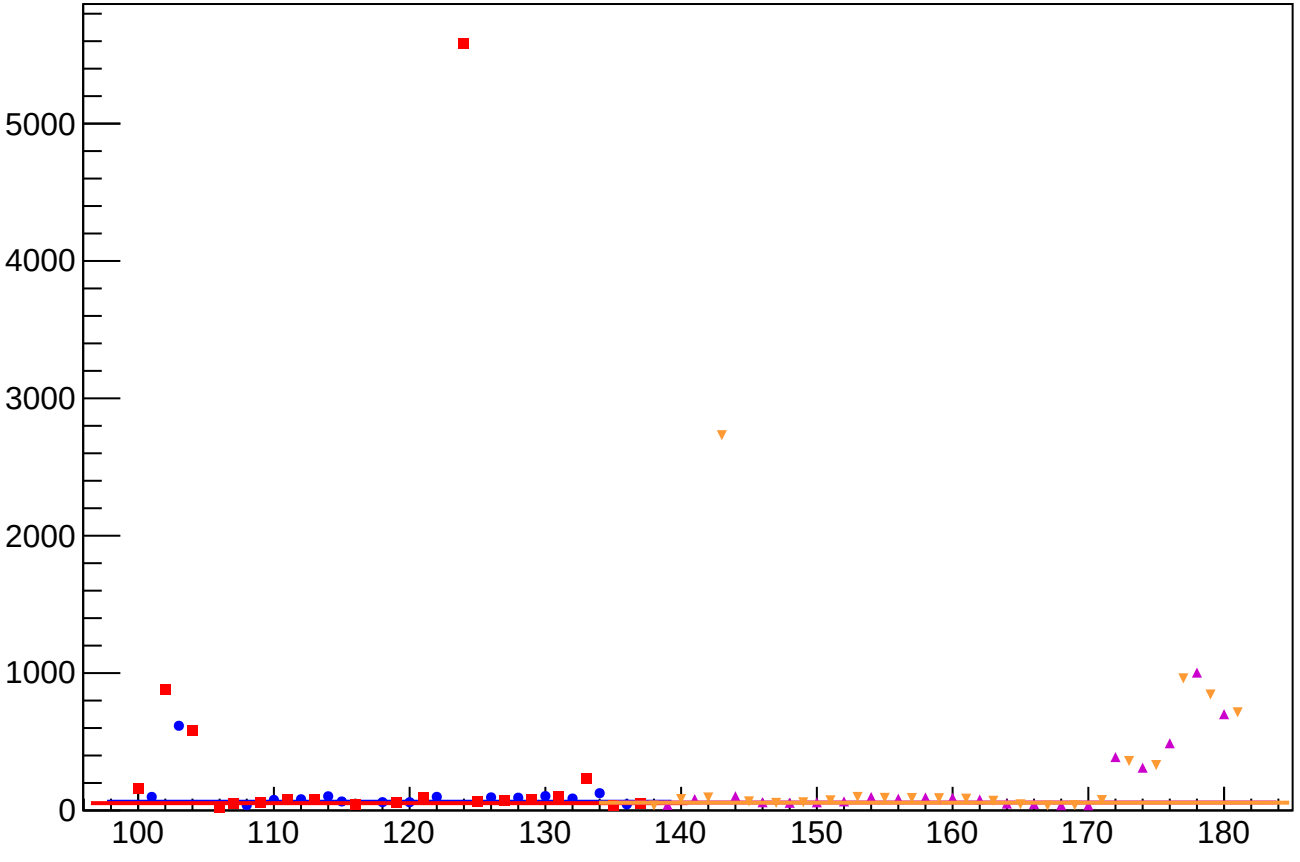
Left In: 0.020+/-0.017 χ^2/NDF:14.1/20

+ sign 0.036+/-0.014 χ^2/NDF: 38.4/38

All: 0.017+/-0.010 χ^2/NDF: 72.9/78

- sign -0.001+/-0.014 χ^2/NDF: 31.2/39

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: 56.652+/-0.012 χ^2/NDF:10749631.7/22

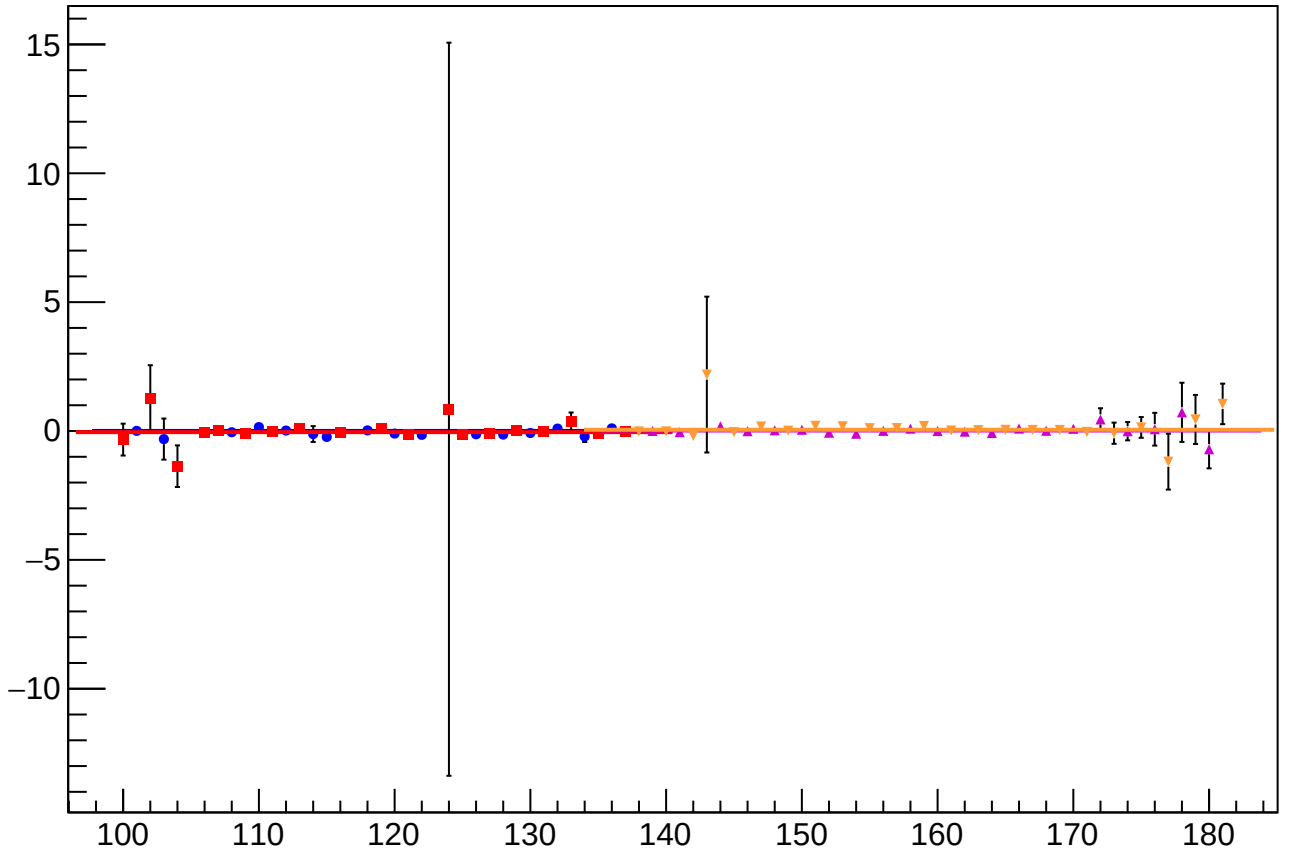
Right Out: 53.201+/-0.018 χ^2/NDF: 3946328.9/18

Left In: 57.966+/-0.012 χ^2/NDF:8647453.7/20

+ sign 58.570+/-0.010 χ^2/NDF: 13283963.1/38

All: 57.474+/-0.007 χ^2/NDF: 25950114.2/78

- sign 56.428+/-0.010 χ^2/NDF: 12643639.9/39



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: 0.049+/-0.017 χ^2/NDF:23.0/22

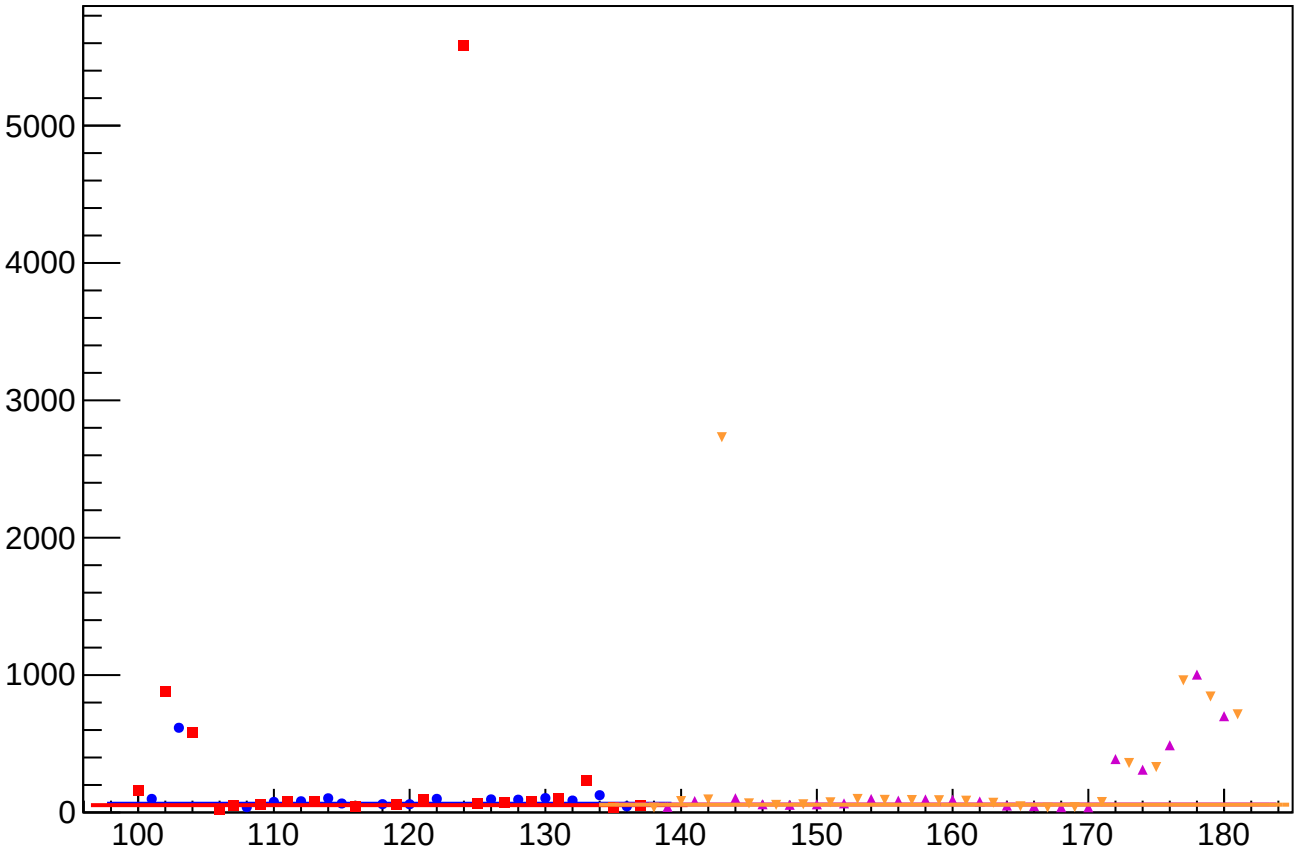
Right Out: -0.044+/-0.025 χ^2/NDF: 12.7/18

Left In: 0.020+/-0.017 χ^2/NDF:14.1/20

+ sign 0.036+/-0.014 χ^2/NDF: 38.4/38

All: 0.017+/-0.010 χ^2/NDF: 72.9/78

- sign -0.001+/-0.014 χ^2/NDF: 31.2/39



Right In: 63.463+/-0.019 χ^2/NDF: 2444357.3/15

Left Out: 56.652+/-0.012 χ^2/NDF:10749631.7/22

Right Out: 53.201+/-0.018 χ^2/NDF: 3946328.9/18

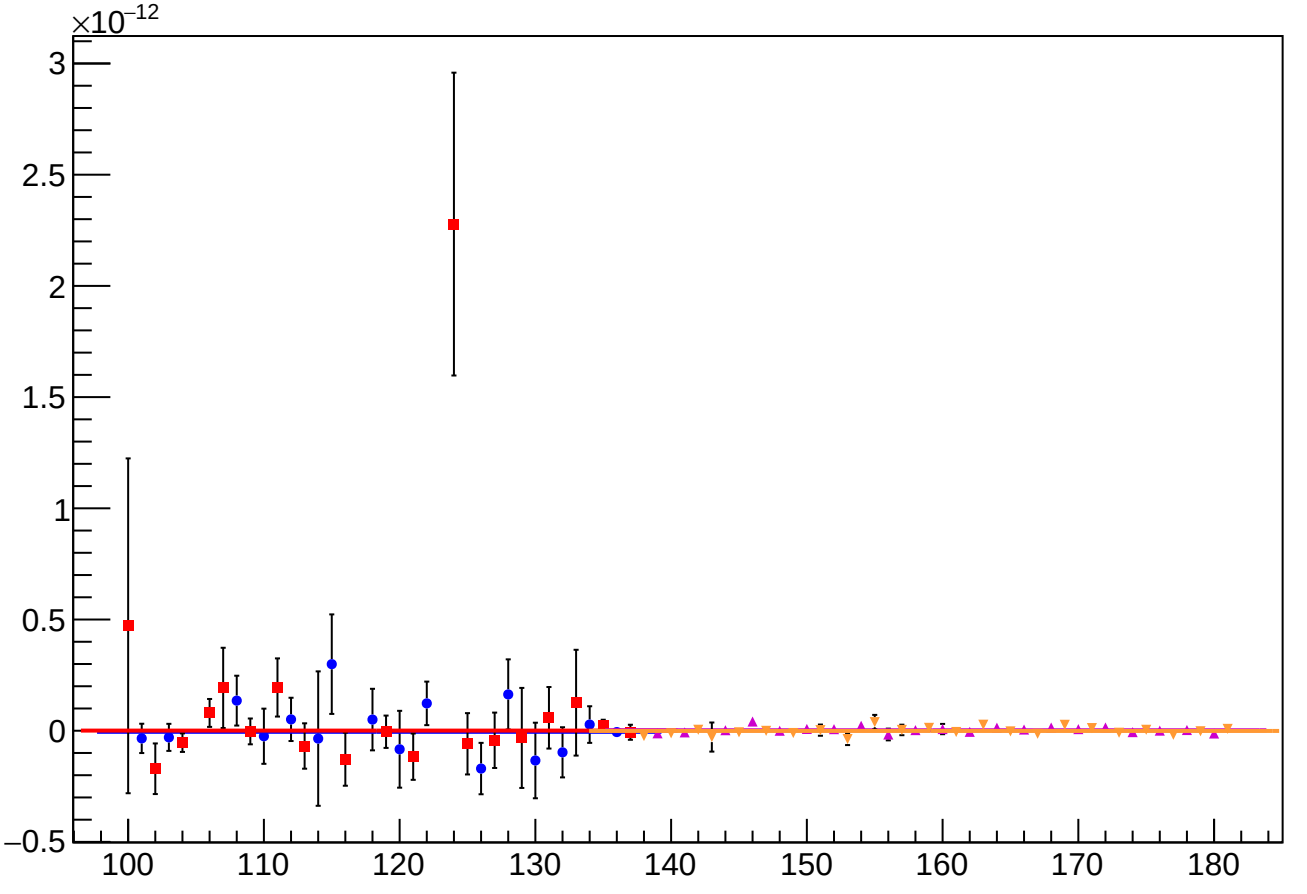
Left In: 57.966+/-0.012 χ^2/NDF:8647453.7/20

+ sign 58.570+/-0.010 χ^2/NDF: 13283963.1/38

All: 57.474+/-0.007 χ^2/NDF: 25950114.2/78

- sign 56.428+/-0.010 χ^2/NDF: 12643639.9/39

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:16.2/22

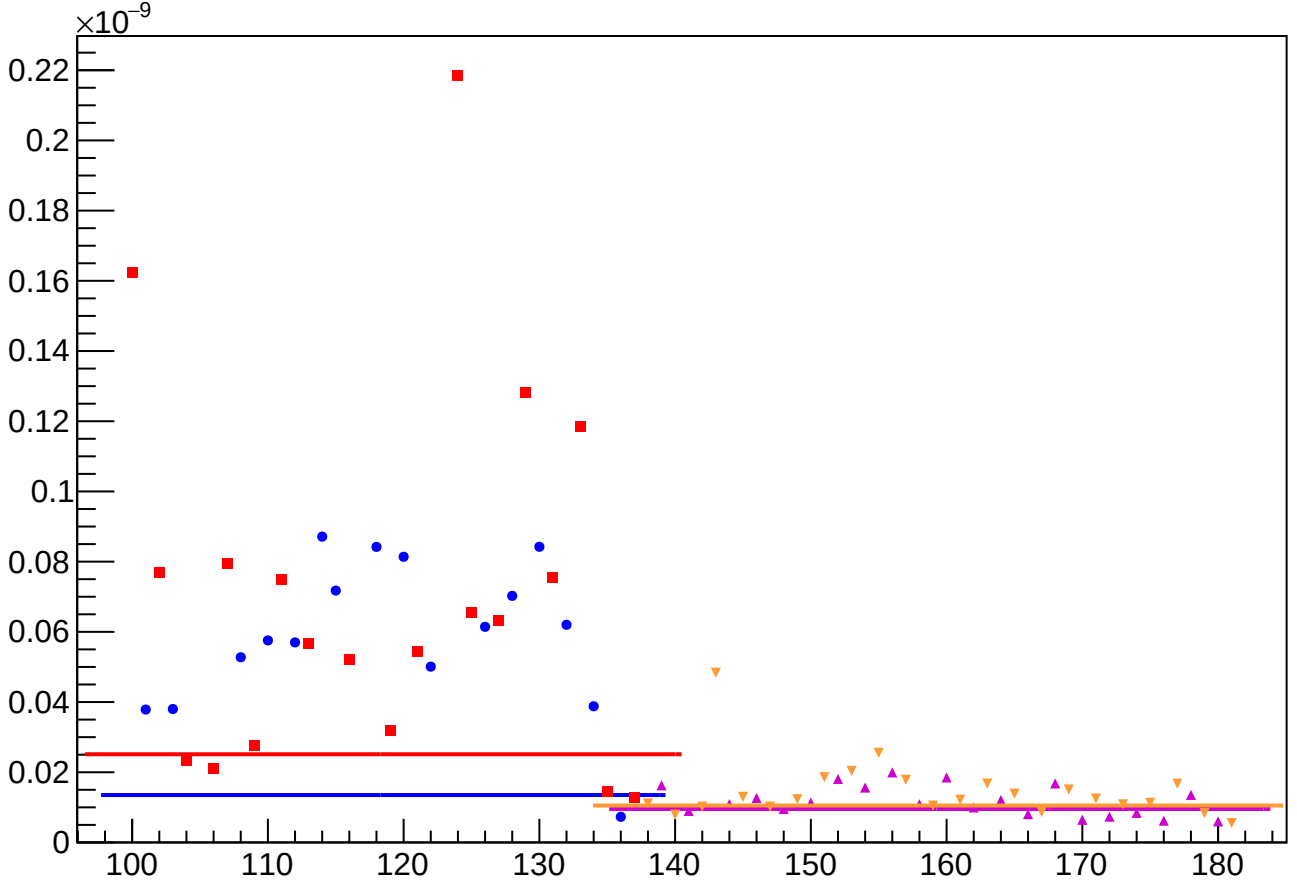
Right Out: 0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: 0.000+/-0.000 χ^2/NDF:14.9/20

+ sign -0.000+/-0.000 χ^2/NDF: 27.1/38

All: 0.000+/-0.000 χ^2/NDF: 67.7/78

- sign 0.000+/-0.000 χ^2/NDF: 40.0/39



Right In: 0.000+/-0.000 χ^2/NDF: 4993378.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:3507218.6/22

Right Out: 0.000+/-0.000 χ^2/NDF: 3578472.9/18

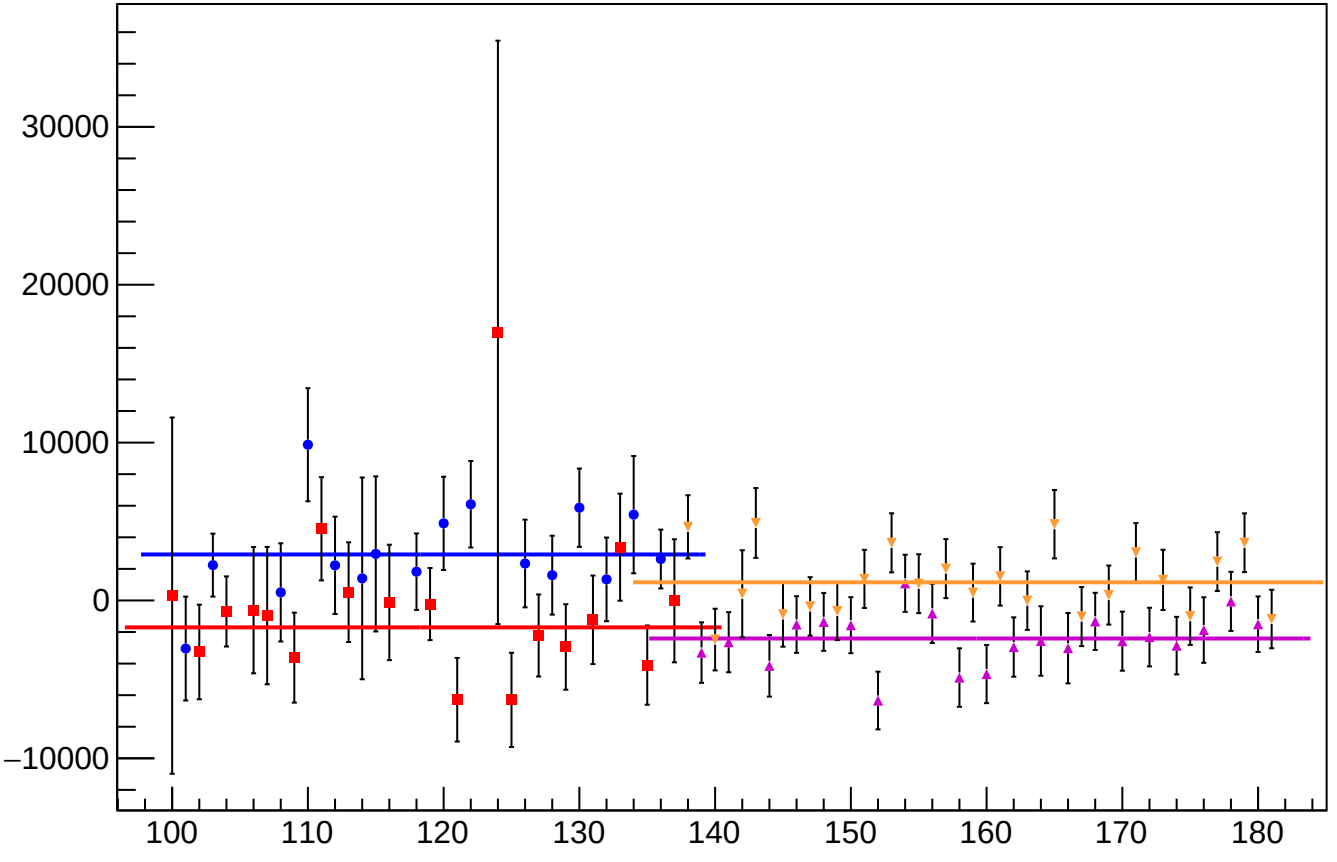
Left In: 0.000+/-0.000 χ^2/NDF:2654720.7/20

+ sign 0.000+/-0.000 χ^2/NDF: 8654761.9/38

All: 0.000+/-0.000 χ^2/NDF: 16993126.0/78

- sign 0.000+/-0.000 χ^2/NDF: 8294537.5/39

reg_asym_atl1r2_avg_mean vs Slug



Right In: 2912.991+/-695.062 χ^2/NDF: 12.4/15

Left Out: 1150.898+/-400.761 χ^2/NDF:25.4/22

Right Out: -1704.904+/-706.846 χ^2/NDF: 15.8/18

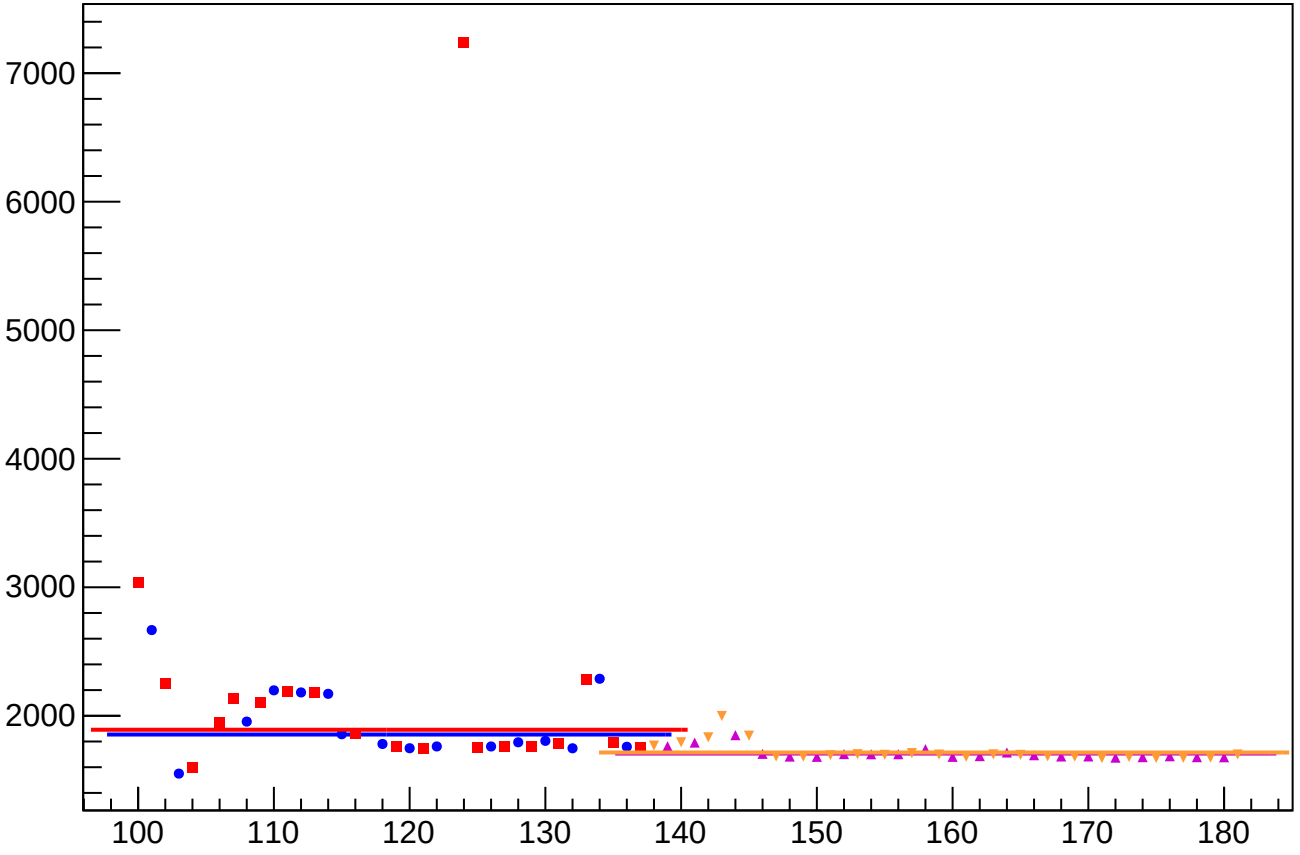
Left In: -2410.518+/-410.876 χ^2/NDF:16.7/20

+ sign 1590.542+/-347.184 χ^2/NDF: 42.7/38

All: -277.142+/-248.290 χ^2/NDF: 135.2/78

- sign -2232.314+/-355.223 χ^2/NDF: 33.2/39

reg_asym_atl1r2_avg_rms vs Slug



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.7/15

Left Out: 1714.512+/-0.283 χ^2/NDF:58415.3/22

Right Out: 1891.469+/-0.499 χ^2/NDF: 364050.6/18

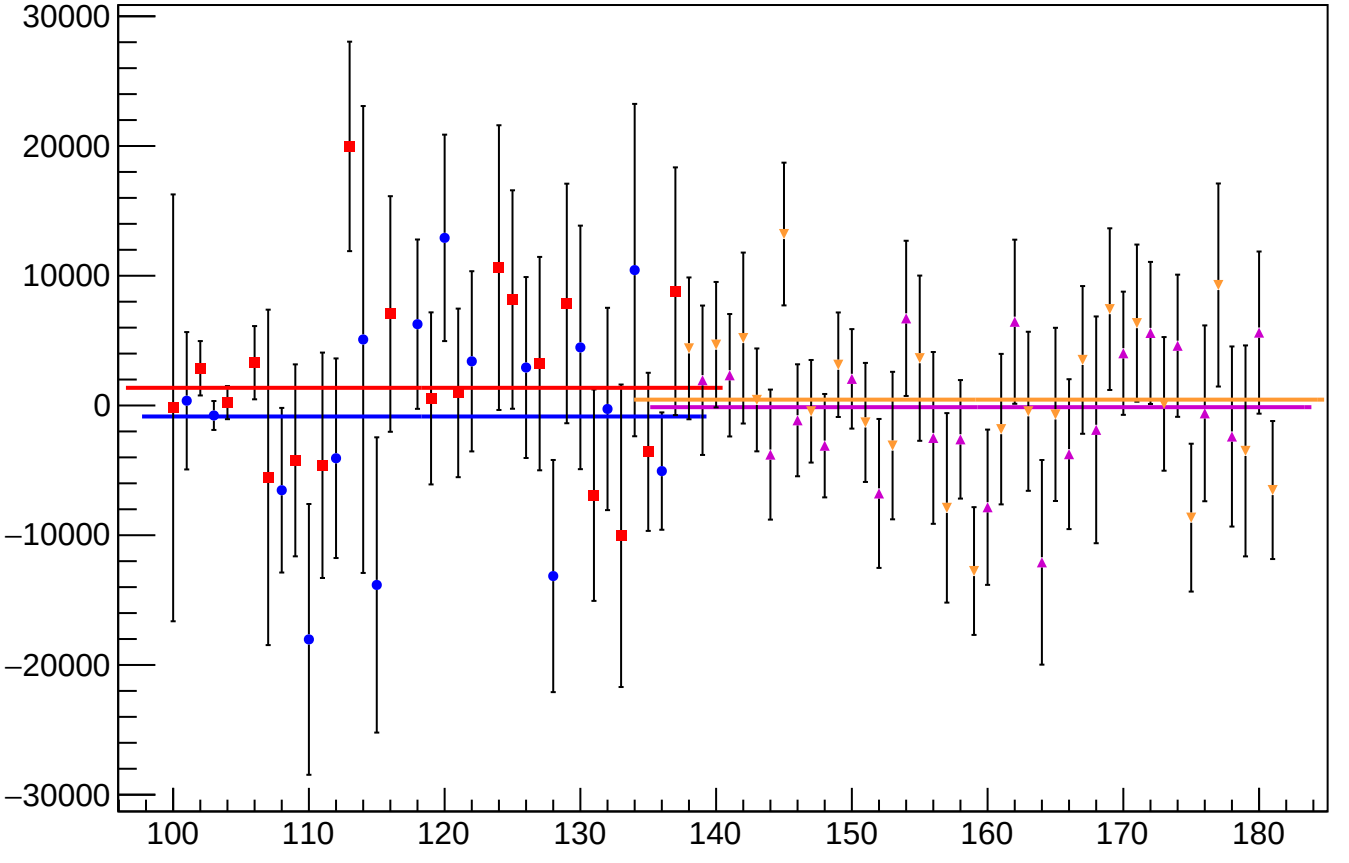
Left In: 1706.209+/-0.291 χ^2/NDF:21605.3/20

+ sign 1749.393+/-0.245 χ^2/NDF: 382461.4/38

All: 1751.234+/-0.176 χ^2/NDF: 871278.4/78

- sign 1753.159+/-0.251 χ^2/NDF: 488701.9/39

asym_atl1r2_avg_reg_correction_mean vs Slug



Right In: -847.977+/-962.920 χ^2/NDF: 13.9/15

Left Out: 450.609+/-1130.397 χ^2/NDF:25.5/22

Right Out: 1361.523+/-915.925 χ^2/NDF: 14.0/18

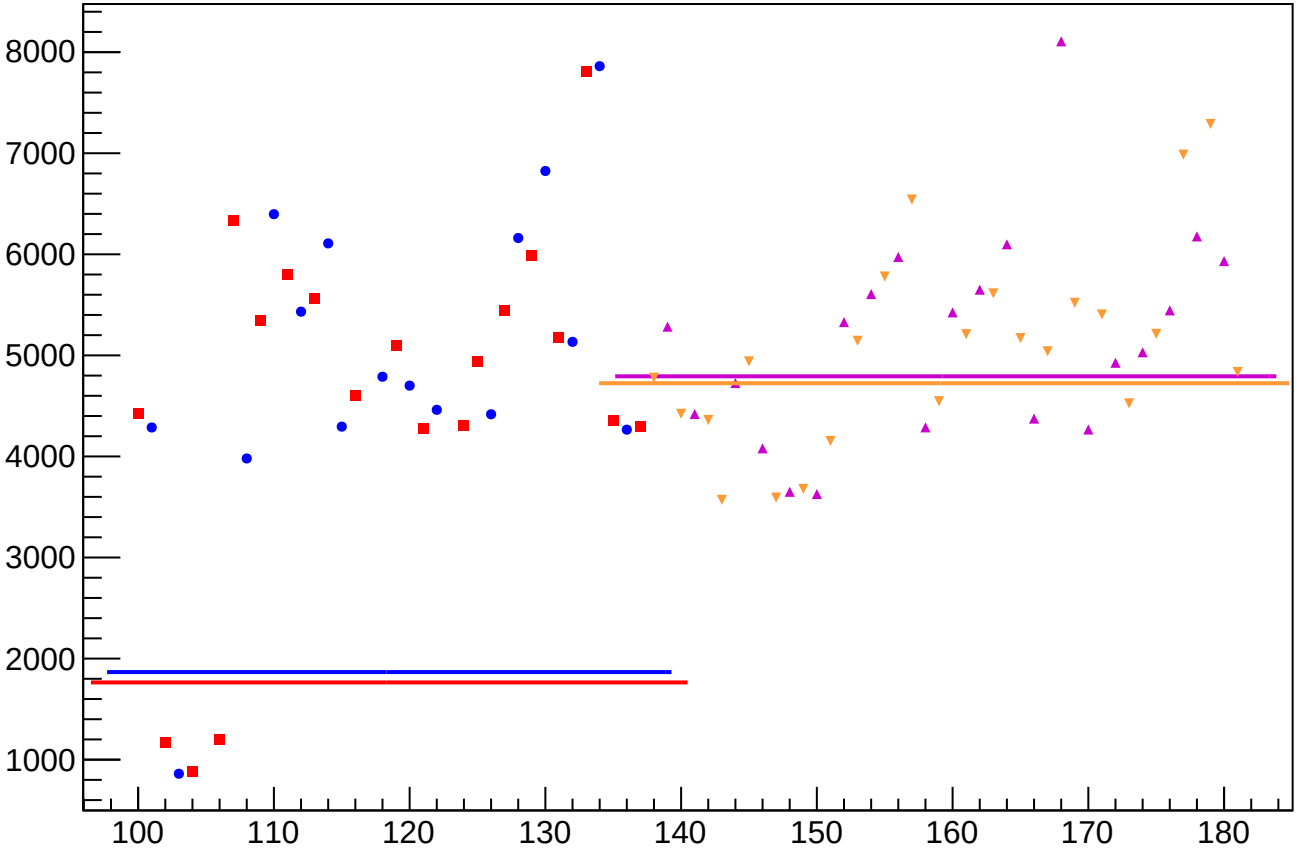
Left In: -130.097+/-1178.678 χ^2/NDF:14.0/20

+ sign -301.917+/-733.020 χ^2/NDF: 40.1/38

All: 256.410+/-514.828 χ^2/NDF: 70.2/78

- sign 799.927+/-723.232 χ^2/NDF: 29.0/39

asym_atl1r2_avg_reg_correction_rms vs Slug



Right In: 1866.405+/-0.681 χ^2/NDF: 6849638.3/15

Left Out: 4724.610+/-0.799 χ^2/NDF:1222312.4/22

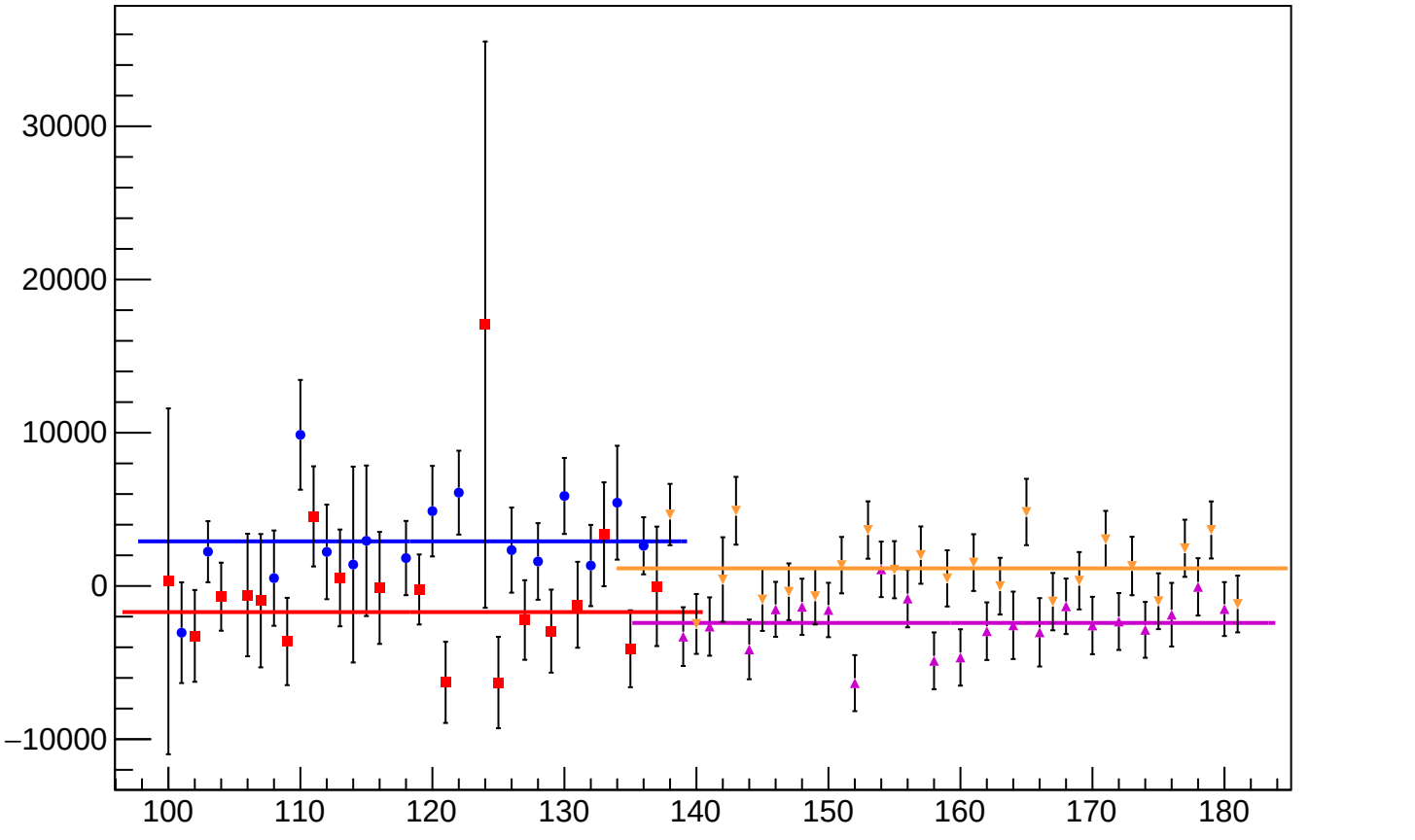
Right Out: 1764.281+/-0.648 χ^2/NDF: 6434807.7/18

Left In: 4792.866+/-0.833 χ^2/NDF:1179525.8/20

+ sign 3068.289+/-0.518 χ^2/NDF: 15481742.5/38

All: 2985.316+/-0.364 χ^2/NDF: 31379590.5/7

- sign 2904.544+/-0.511 χ^2/NDF: 15847276.7/39



Right In: 2913.091+/-695.062 χ^2/NDF: 12.4/15

Left Out: 1150.783+/-400.761 χ^2/NDF:25.4/22

Right Out: -1703.523+/-706.847 χ^2/NDF: 15.8/18

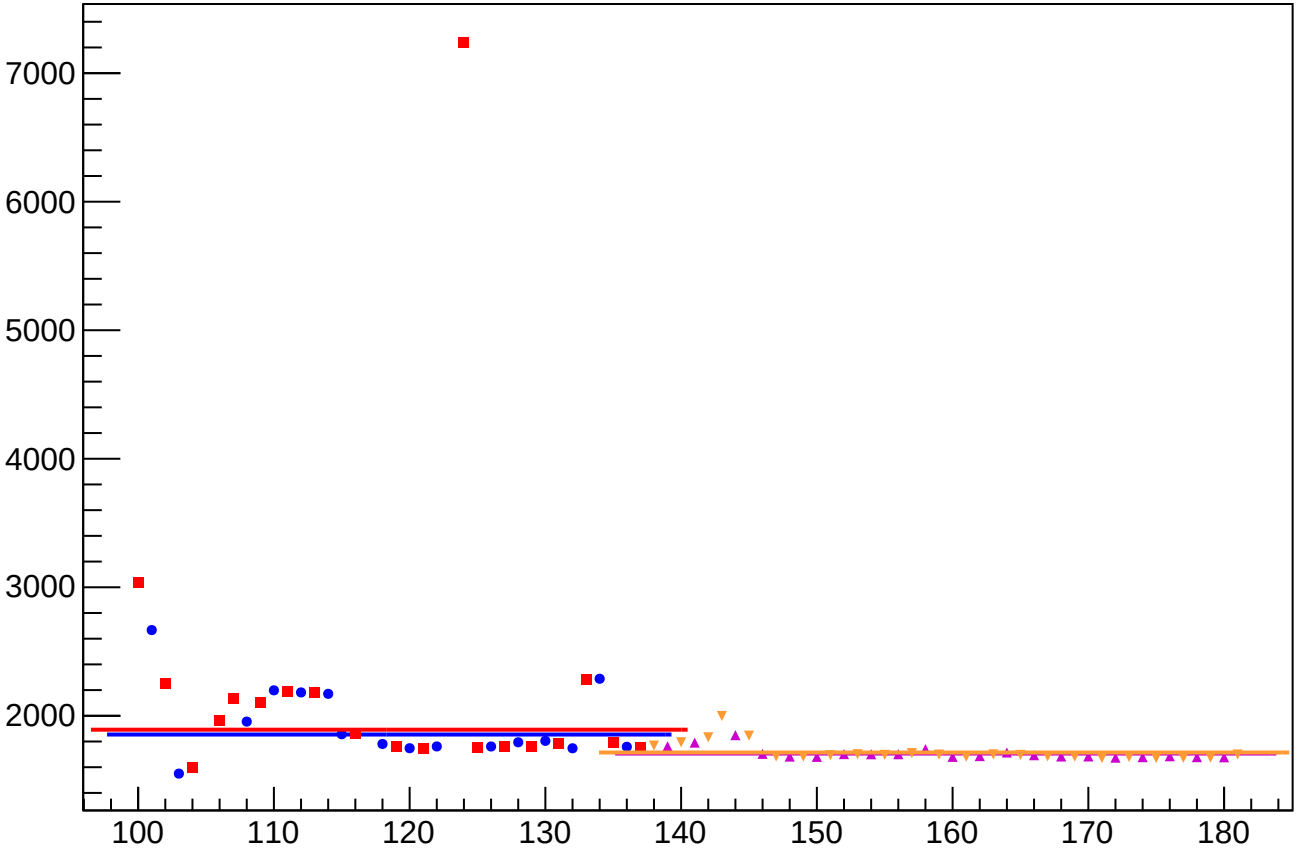
Left In: -2410.489+/-410.876 χ^2/NDF:16.7/20

+ sign 1590.482+/-347.184 χ^2/NDF: 42.7/38

All: -276.992+/-248.290 χ^2/NDF: 135.2/78

- sign -2231.944+/-355.223 χ^2/NDF: 33.2/39

cor_asym_atl1r2_avg_rms vs Slug



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.5/15

Left Out: 1714.512+/-0.283 χ^2/NDF:58415.3/22

Right Out: 1891.927+/-0.499 χ^2/NDF: 364292.2/18

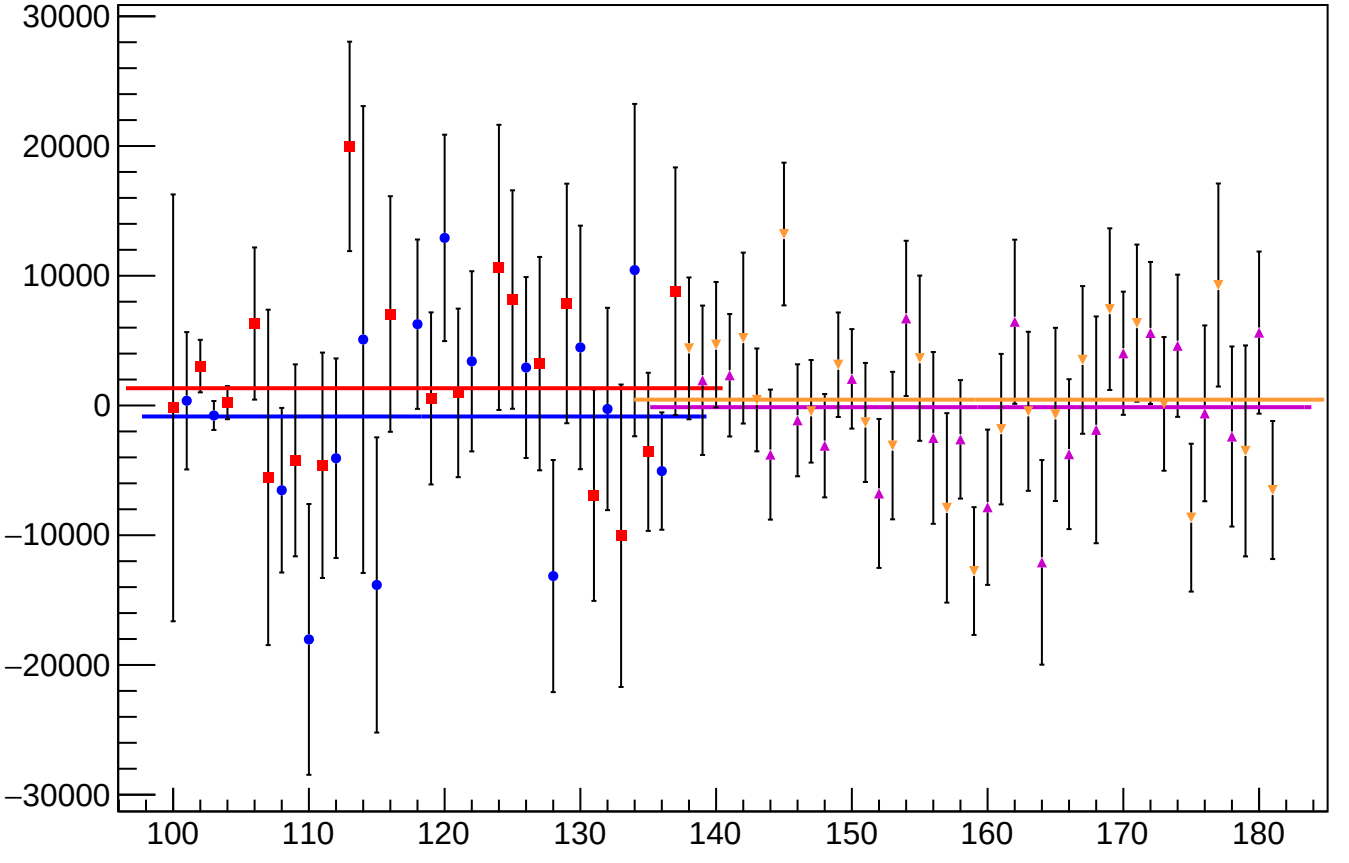
Left In: 1706.209+/-0.291 χ^2/NDF:21605.3/20

+ sign 1749.393+/-0.245 χ^2/NDF: 382461.3/38

All: 1751.283+/-0.176 χ^2/NDF: 872001.5/78

- sign 1753.259+/-0.251 χ^2/NDF: 489419.0/39

asym_atl1r2_avg_cor_correction_mean vs Slug



Right In: -847.504+/-962.866 χ^2/NDF: 13.9/15

Left Out: 450.623+/-1130.395 χ^2/NDF:25.5/22

Right Out: 1331.371+/-948.163 χ^2/NDF: 14.4/18

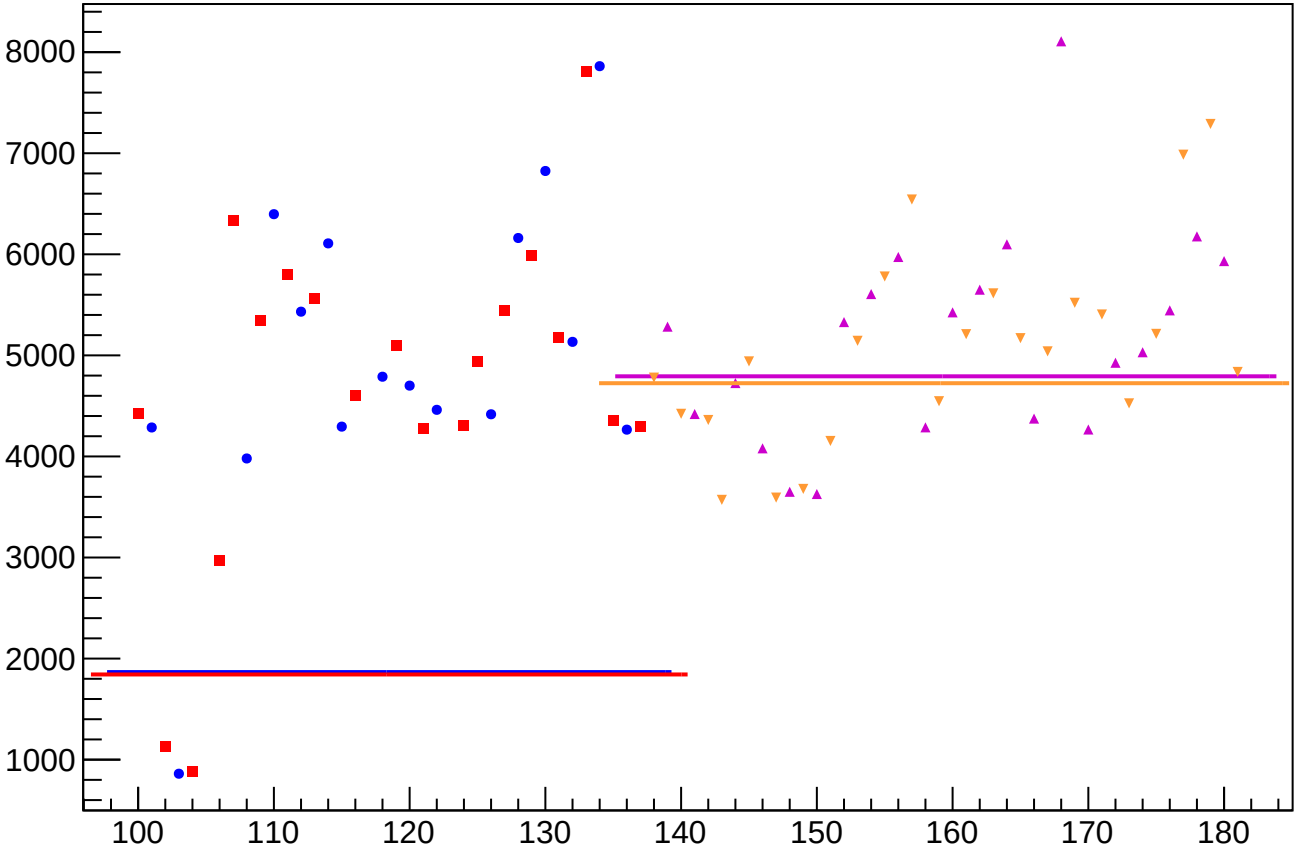
Left In: -130.140+/-1178.678 χ^2/NDF:14.0/20

+ sign -301.671+/-732.996 χ^2/NDF: 40.1/38

All: 223.584+/-520.343 χ^2/NDF: 70.5/78

- sign 757.180+/-738.792 χ^2/NDF: 29.3/39

asym_atl1r2_avg_cor_correction_rms vs Slug



Right In: 1866.251+/-0.681 χ^2/NDF: 6850061.4/15

Left Out: 4724.604+/-0.799 χ^2/NDF:1222328.6/22

Right Out: 1842.882+/-0.670 χ^2/NDF: 6458456.4/18

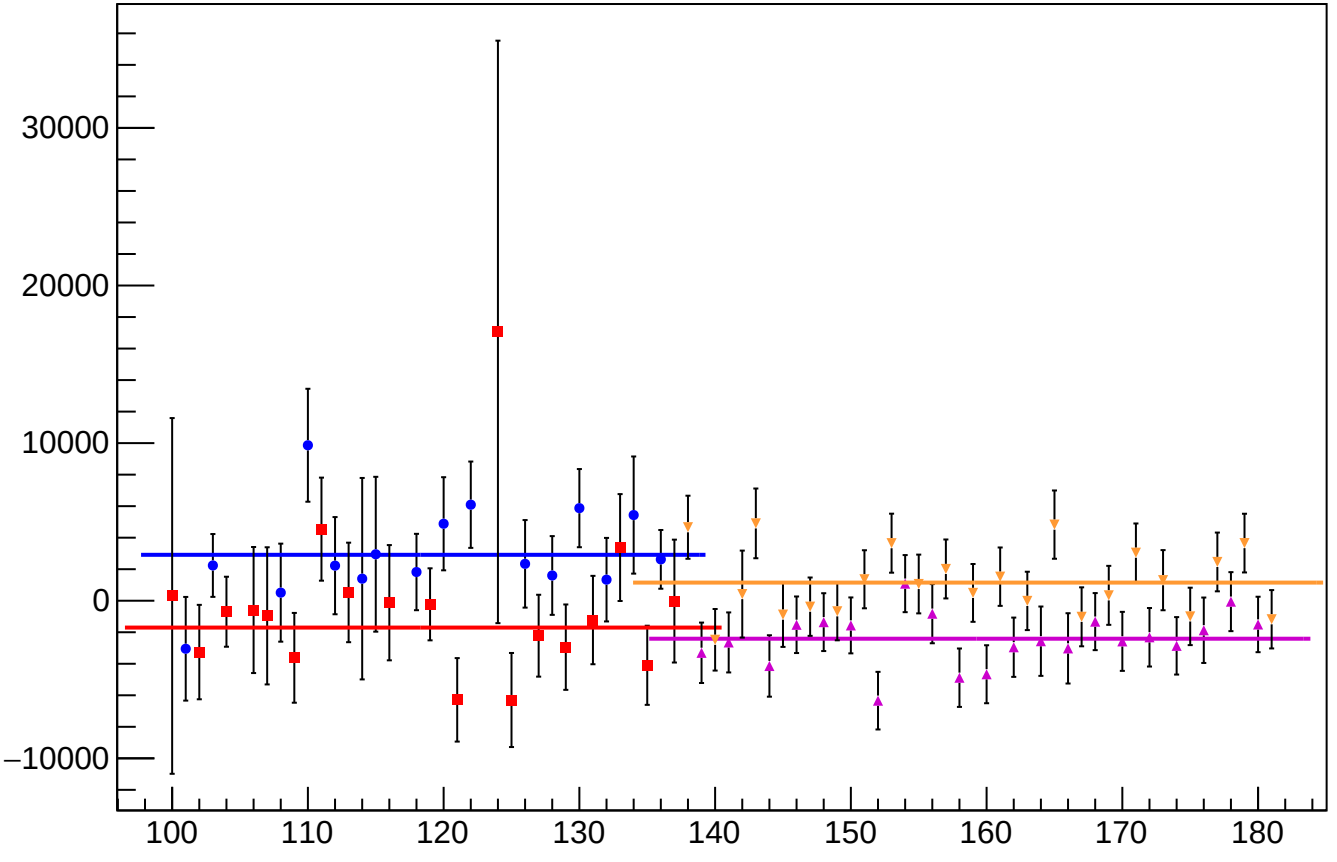
Left In: 4792.864+/-0.833 χ^2/NDF:1179540.0/20

+ sign 3068.122+/-0.518 χ^2/NDF: 15483301.4/38

All: 3035.250+/-0.368 χ^2/NDF: 30735412.9/7

- sign 3001.855+/-0.522 χ^2/NDF: 15244002.6/39

eigen_cor_asym_atl1r2_avg_mean vs Slug



Right In: 2913.091+/-695.062 χ^2/NDF: 12.4/15

Left Out: 1150.783+/-400.761 χ^2/NDF:25.4/22

Right Out: -1703.523+/-706.847 χ^2/NDF: 15.8/18

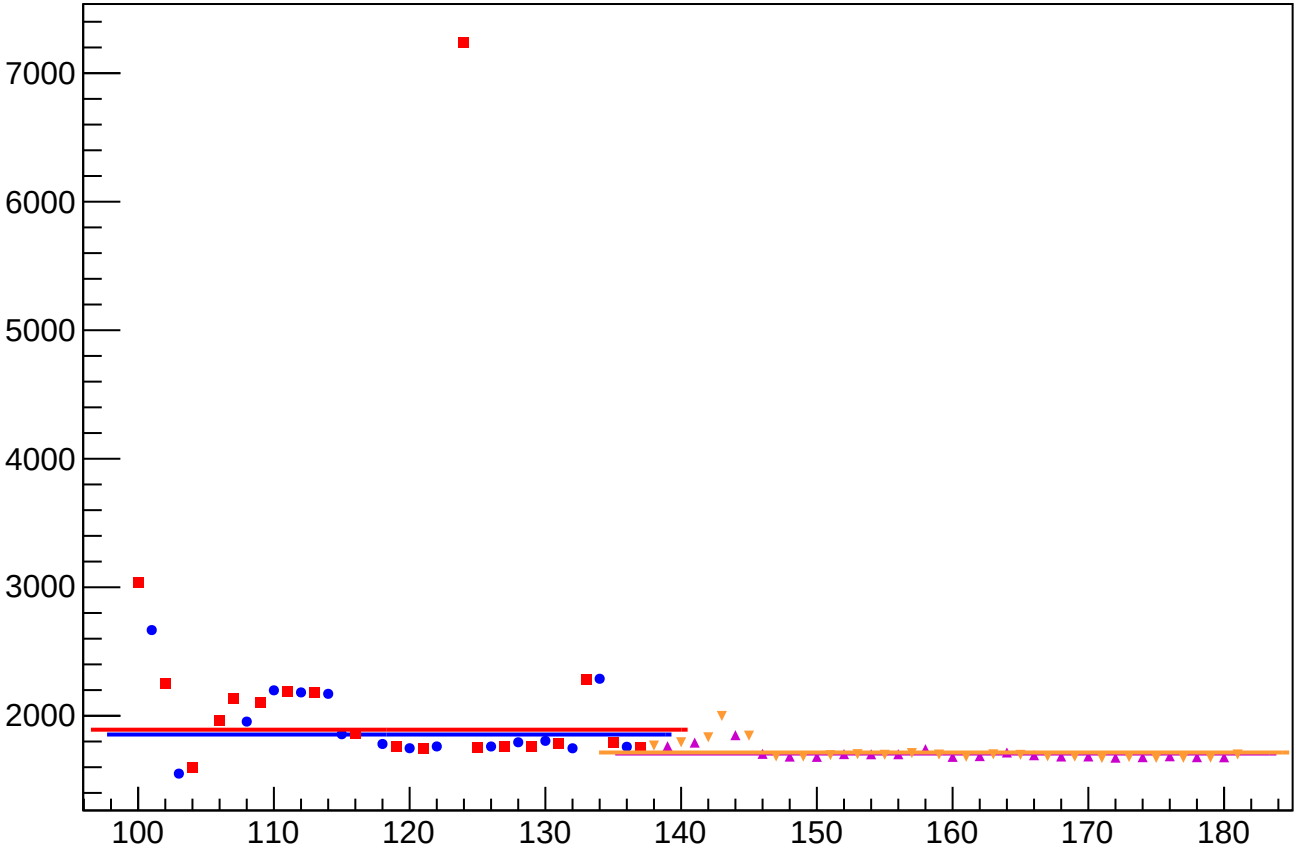
Left In: -2410.489+/-410.876 χ^2/NDF:16.7/20

+ sign 1590.482+/-347.184 χ^2/NDF: 42.7/38

All: -276.992+/-248.290 χ^2/NDF: 135.2/78

- sign -2231.944+/-355.223 χ^2/NDF: 33.2/39

eigen_cor_asym_atl1r2_avg_rms vs Slug



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.5/15

Left Out: 1714.512+/-0.283 χ^2/NDF:58415.3/22

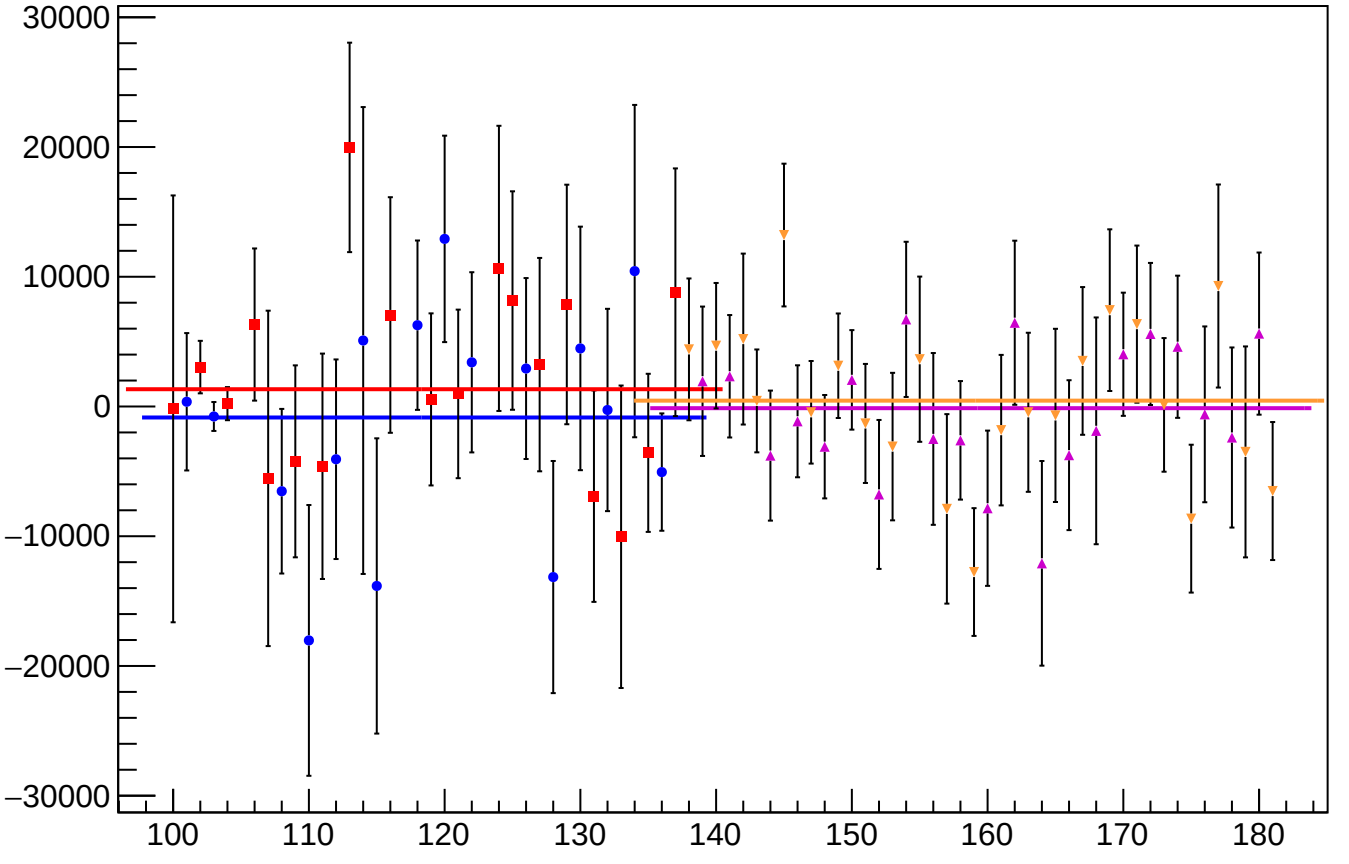
Right Out: 1891.927+/-0.499 χ^2/NDF: 364292.2/18

Left In: 1706.209+/-0.291 χ^2/NDF:21605.3/20

+ sign 1749.393+/-0.245 χ^2/NDF: 382461.3/38

All: 1751.283+/-0.176 χ^2/NDF: 872001.5/78

- sign 1753.259+/-0.251 χ^2/NDF: 489419.0/39



Right In: -847.504+/-962.866 χ^2/NDF: 13.9/15

Left Out: 450.623+/-1130.395 χ^2/NDF:25.5/22

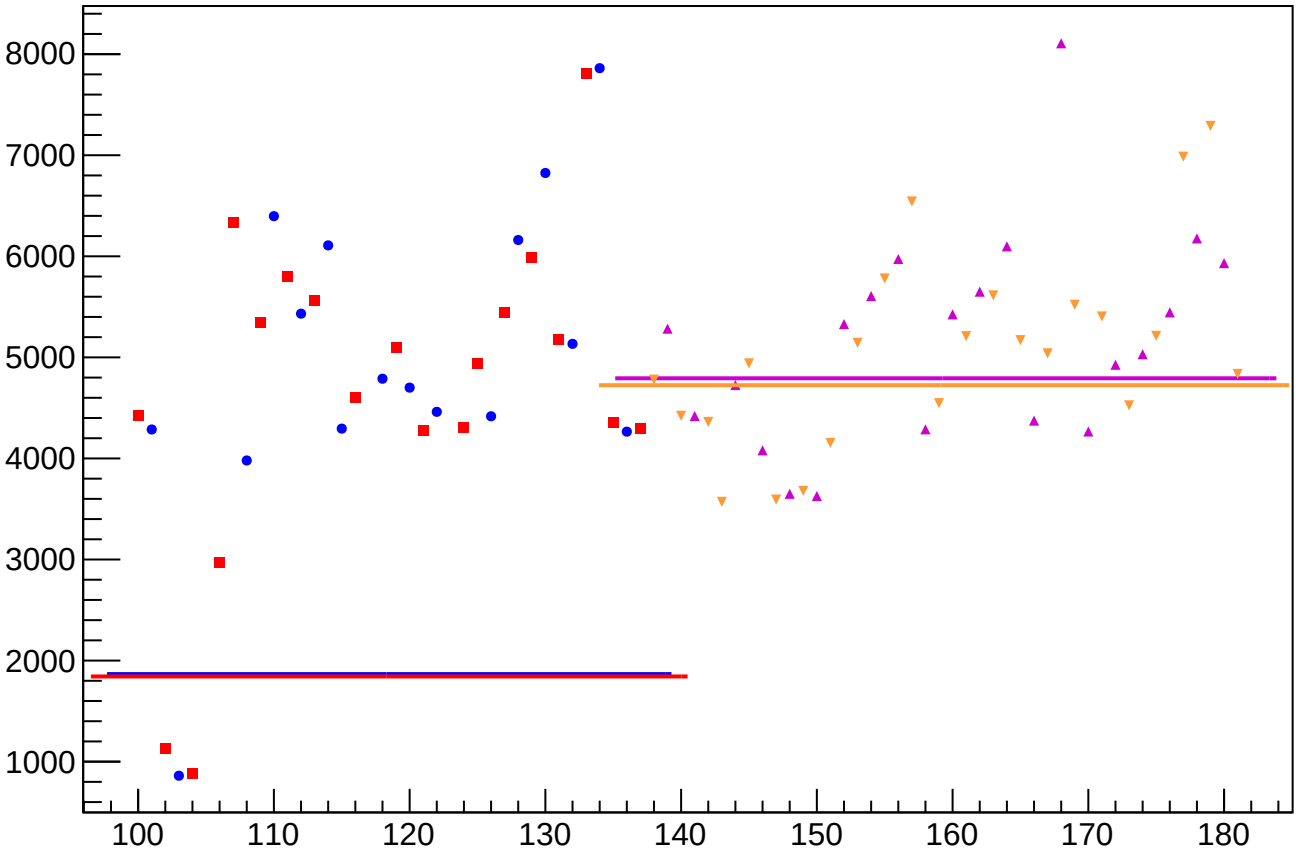
Right Out: 1331.371+/-948.163 χ^2/NDF: 14.4/18

Left In: -130.140+/-1178.678 χ^2/NDF:14.0/20

+ sign -301.671+/-732.996 χ^2/NDF: 40.1/38

All: 223.584+/-520.343 χ^2/NDF: 70.5/78

- sign 757.180+/-738.792 χ^2/NDF: 29.3/39



Right In: 1866.251+/-0.681 χ^2/NDF: 6850061.4/15

Left Out: 4724.604+/-0.799 χ^2/NDF:1222328.6/22

Right Out: 1842.882+/-0.670 χ^2/NDF: 6458456.4/18

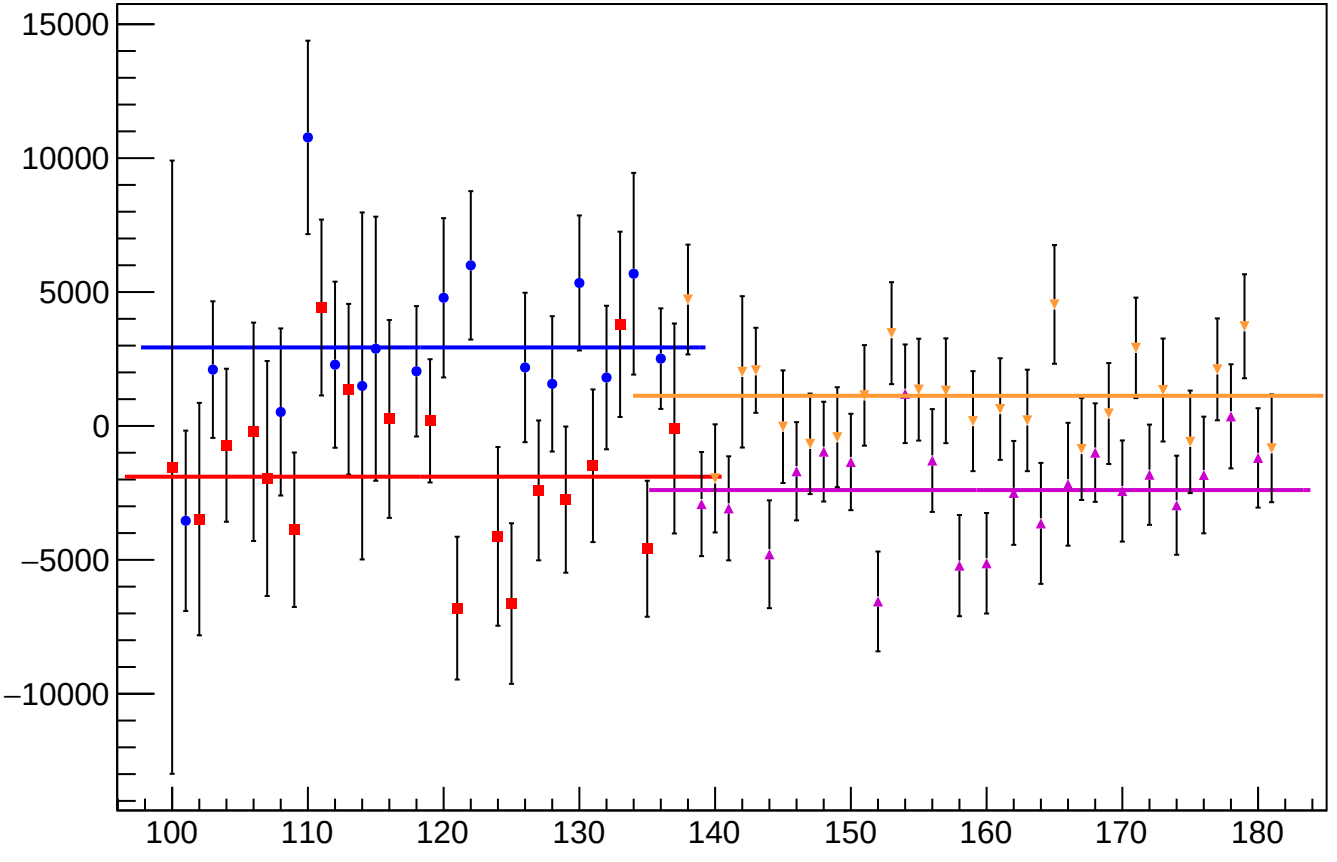
Left In: 4792.864+/-0.833 χ^2/NDF:1179540.0/20

+ sign 3068.122+/-0.518 χ^2/NDF: 15483301.4/38

All: 3035.250+/-0.368 χ^2/NDF: 30735412.9/7

- sign 3001.855+/-0.522 χ^2/NDF: 15244002.6/39

dit_asym_atl1r2_avg_mean vs Slug



Right In: 2931.691+/-718.305 χ^2/NDF: 13.0/15

Left Out: 1127.071+/-404.218 χ^2/NDF:18.2/22

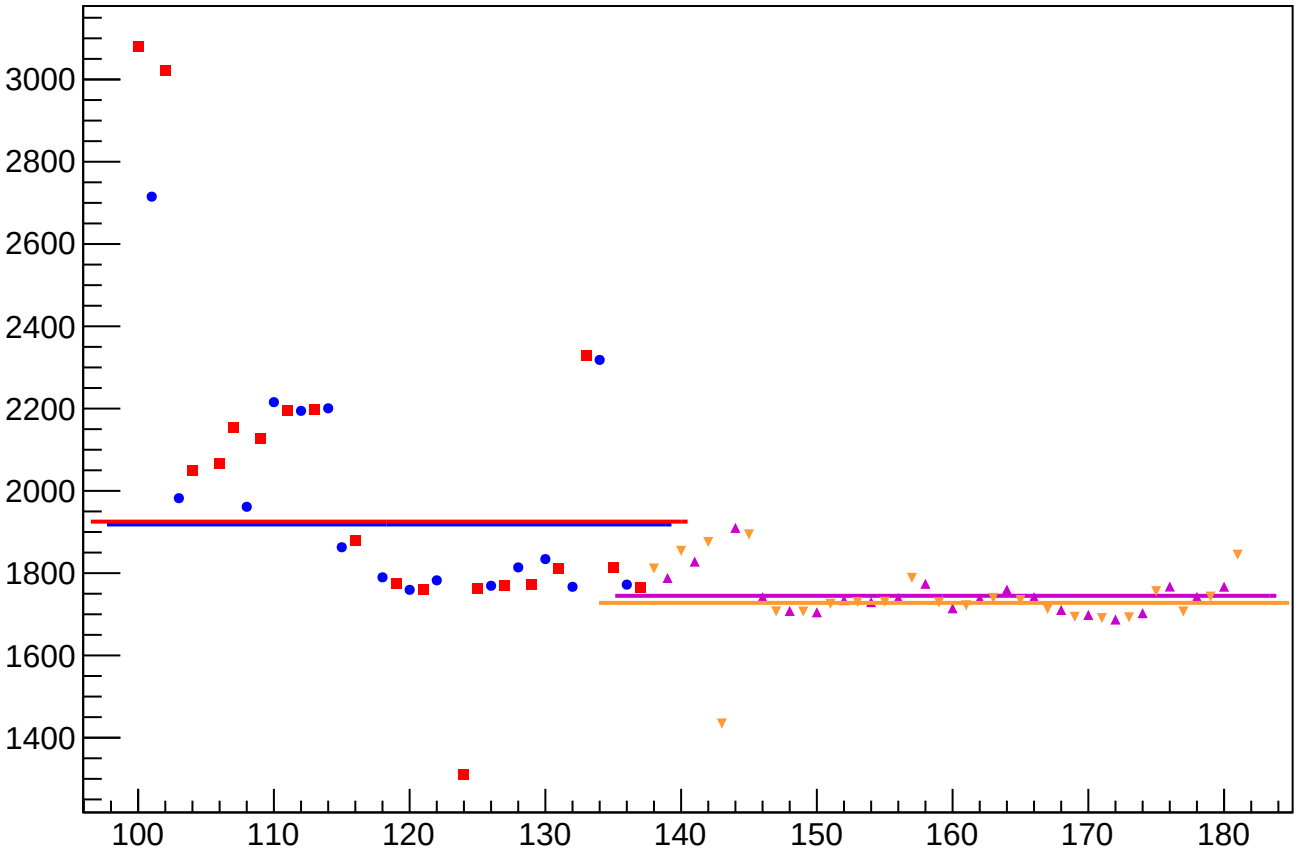
Right Out: -1895.503+/-721.954 χ^2/NDF: 17.4/18

Left In: -2394.244+/-420.291 χ^2/NDF:19.7/20

+ sign 1561.101+/-352.271 χ^2/NDF: 36.0/38

All: -294.845+/-252.877 χ^2/NDF: 130.7/78

- sign -2268.002+/-363.224 χ^2/NDF: 37.5/39



Right In: 1918.367+/-0.508 χ^2/NDF: 215592.7/15

Left Out: 1727.754+/-0.286 χ^2/NDF:109649.2/22

Right Out: 1925.260+/-0.510 χ^2/NDF: 339095.4/18

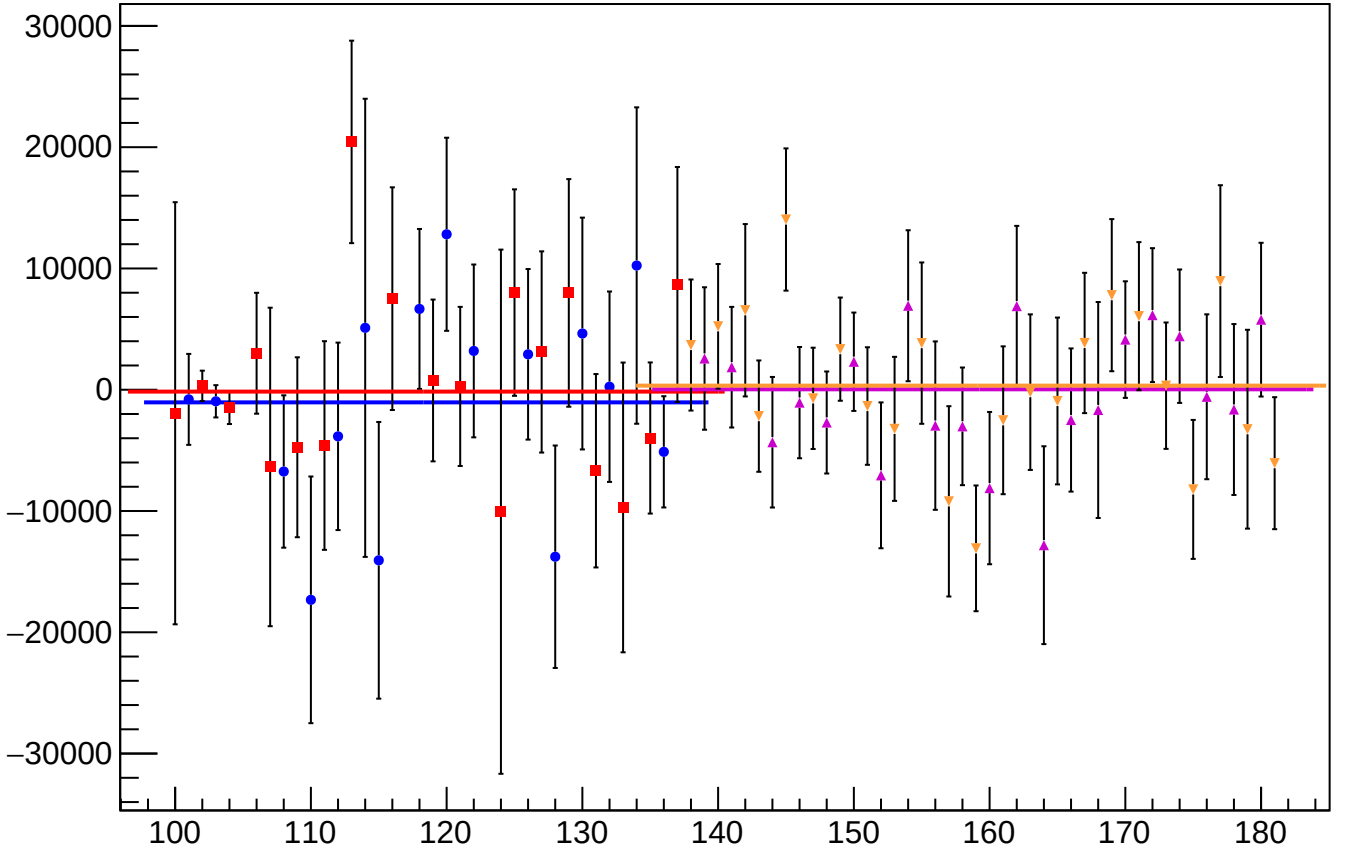
Left In: 1744.946+/-0.297 χ^2/NDF:26576.1/20

+ sign 1773.599+/-0.249 χ^2/NDF: 432206.2/38

All: 1781.862+/-0.179 χ^2/NDF: 893441.2/78

- sign 1790.643+/-0.257 χ^2/NDF: 458965.1/39

asym_atl1r2_avg_dit_correction_mean vs Slug



Right In: -1041.908+/-1072.406 χ^2/NDF: 13.8/15

Left Out: 338.064+/-1183.099 χ^2/NDF:25.2/22

Right Out: -153.619+/-835.656 χ^2/NDF: 13.7/18

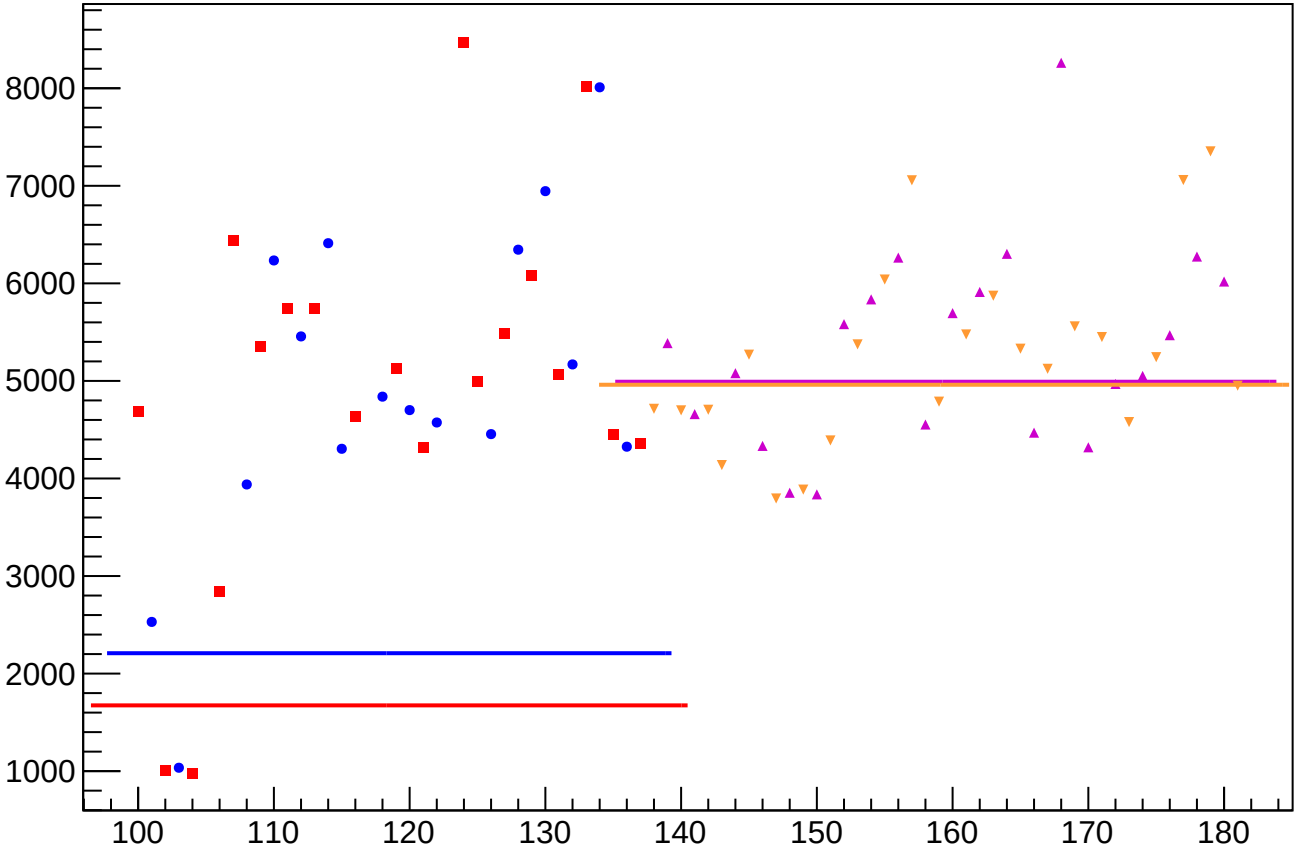
Left In: 34.360+/-1225.552 χ^2/NDF:13.9/20

\+ sign -419.483+/-794.564 χ^2/NDF: 39.8/38

All: -234.005+/-521.162 χ^2/NDF: 67.6/78

\- sign -93.959+/-690.428 χ^2/NDF: 27.6/39

asym_atl1r2_avg_dit_correction_rms vs Slug



Right In: 2208.912+/-0.758 χ^2/NDF: 5499011.4/15

Left Out: 4960.762+/-0.837 χ^2/NDF:1020215.4/22

Right Out: 1674.162+/-0.591 χ^2/NDF: 6853212.9/18

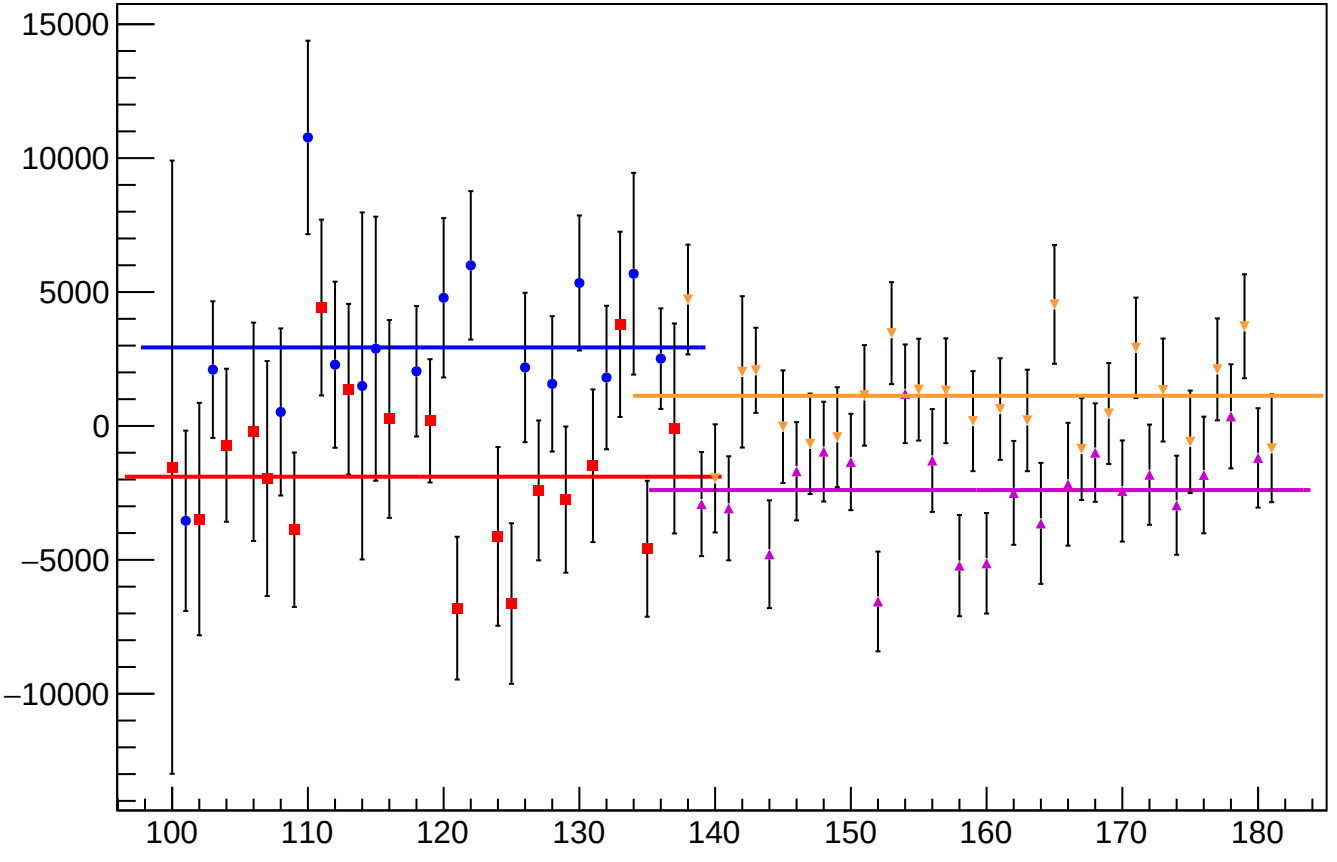
Left In: 4991.568+/-0.867 χ^2/NDF:1076417.6/20

+ sign 3450.110+/-0.562 χ^2/NDF: 12459102.5/38

All: 3038.108+/-0.369 χ^2/NDF: 31335846.7/7

- sign 2727.024+/-0.488 χ^2/NDF: 17932986.0/39

eigen_dit_asym_atl1r2_avg_mean vs Slug



Right In: 2931.693+/-718.305 χ^2/NDF: 13.0/15

Left Out: 1127.065+/-404.218 χ^2/NDF:18.2/22

Right Out: -1895.508+/-721.953 χ^2/NDF: 17.4/18

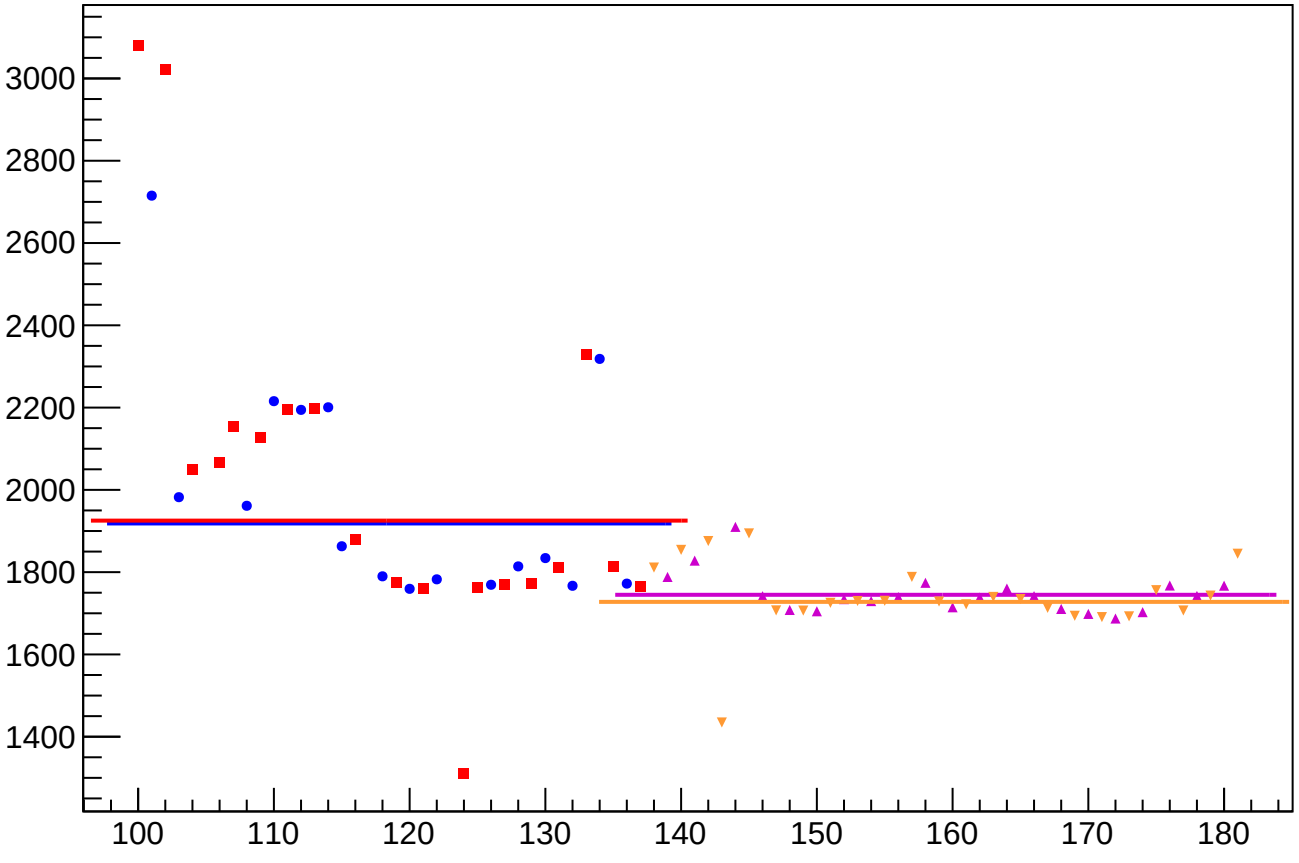
Left In: -2394.245+/-420.291 χ^2/NDF:19.7/20

+ sign 1561.098+/-352.271 χ^2/NDF: 36.0/38

All: -294.848+/-252.877 χ^2/NDF: 130.7/78

- sign -2268.004+/-363.224 χ^2/NDF: 37.5/39

eigen_dit_asym_atl1r2_avg_rms vs Slug



Right In: 1918.367+/-0.508 χ^2/NDF: 215592.7/15

Left Out: 1727.755+/-0.286 χ^2/NDF:109648.2/22

Right Out: 1925.259+/-0.510 χ^2/NDF: 339094.4/18

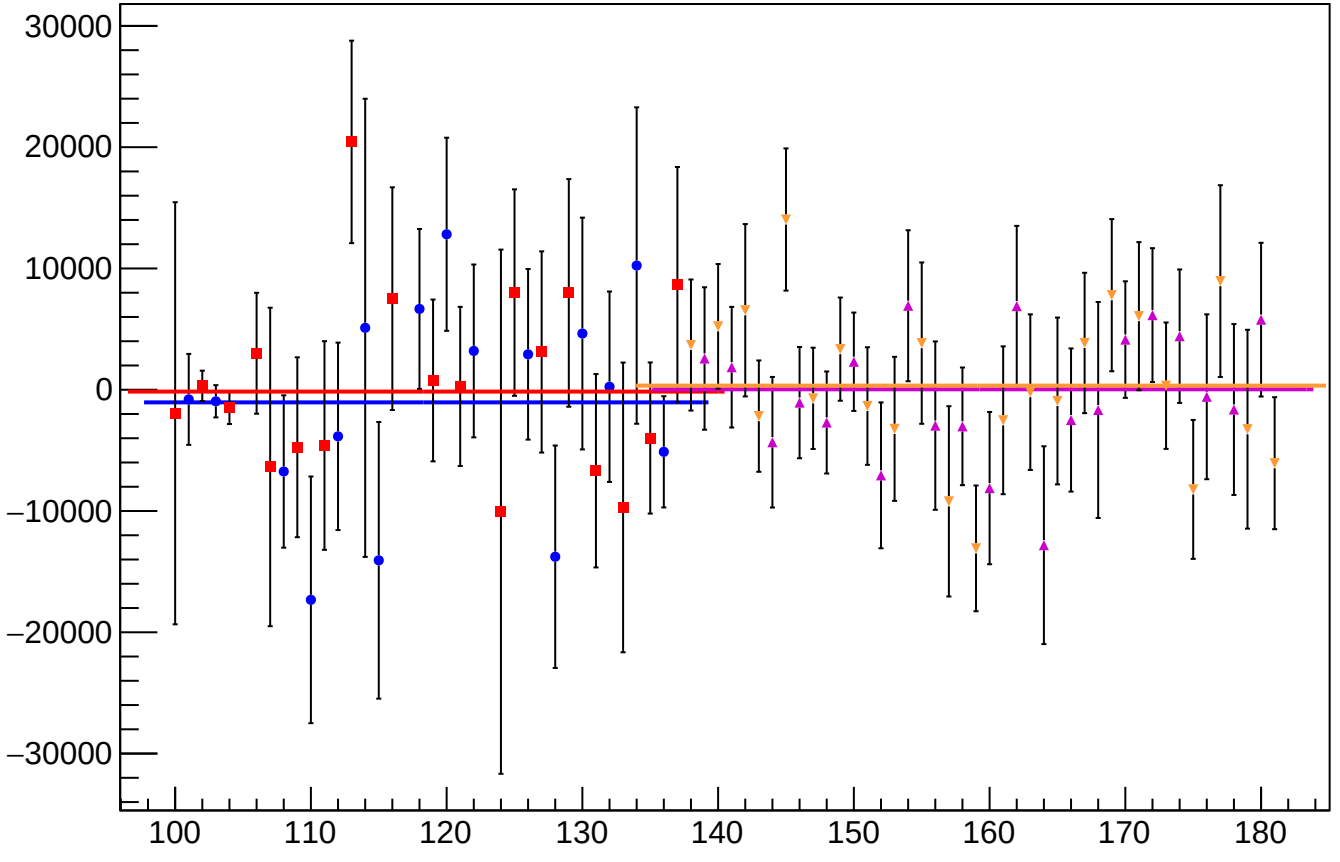
Left In: 1744.946+/-0.297 χ^2/NDF:26576.1/20

+ sign 1773.599+/-0.249 χ^2/NDF: 432203.6/38

All: 1781.862+/-0.179 χ^2/NDF: 893436.3/78

- sign 1790.644+/-0.257 χ^2/NDF: 458962.7/39

asym_atl1r2_avg_eigen_dit_correction_mean vs Slug



Right In: -1041.906+/-1072.405 χ^2/NDF: 13.8/15

Left Out: 338.062+/-1183.101 χ^2/NDF:25.2/22

Right Out: -153.614+/-835.655 χ^2/NDF: 13.7/18

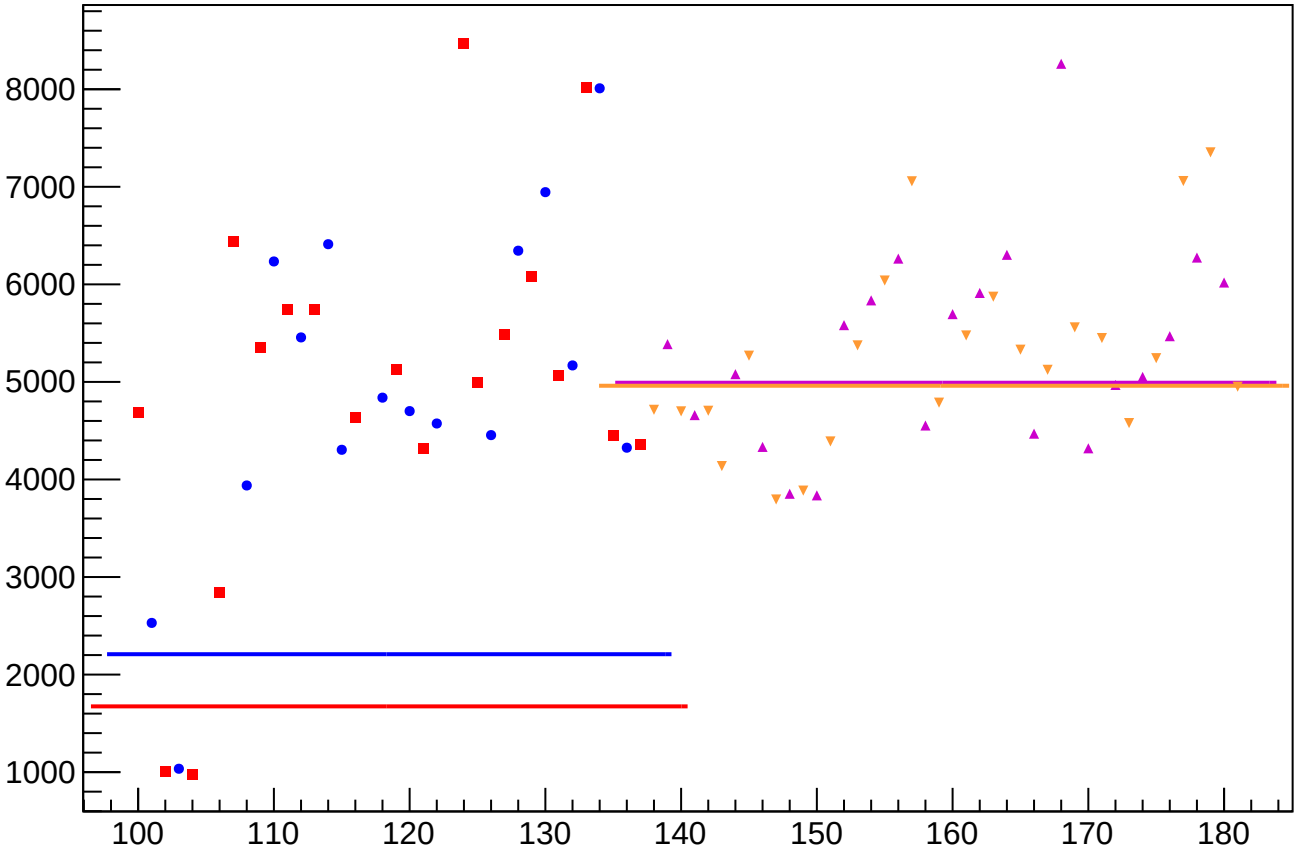
Left In: 34.362+/-1225.554 χ^2/NDF:13.9/20

+ sign -419.485+/-794.565 χ^2/NDF: 39.8/38

All: -234.004+/-521.162 χ^2/NDF: 67.6/78

- sign -93.955+/-690.428 χ^2/NDF: 27.6/39

asym_atl1r2_avg_eigen_dit_correction_rms vs Slug



Right In: 2208.911+/-0.758 χ^2/NDF: 5499004.2/15

Left Out: 4960.770+/-0.837 χ^2/NDF:1020216.6/22

Right Out: 1674.162+/-0.591 χ^2/NDF: 6853204.8/18

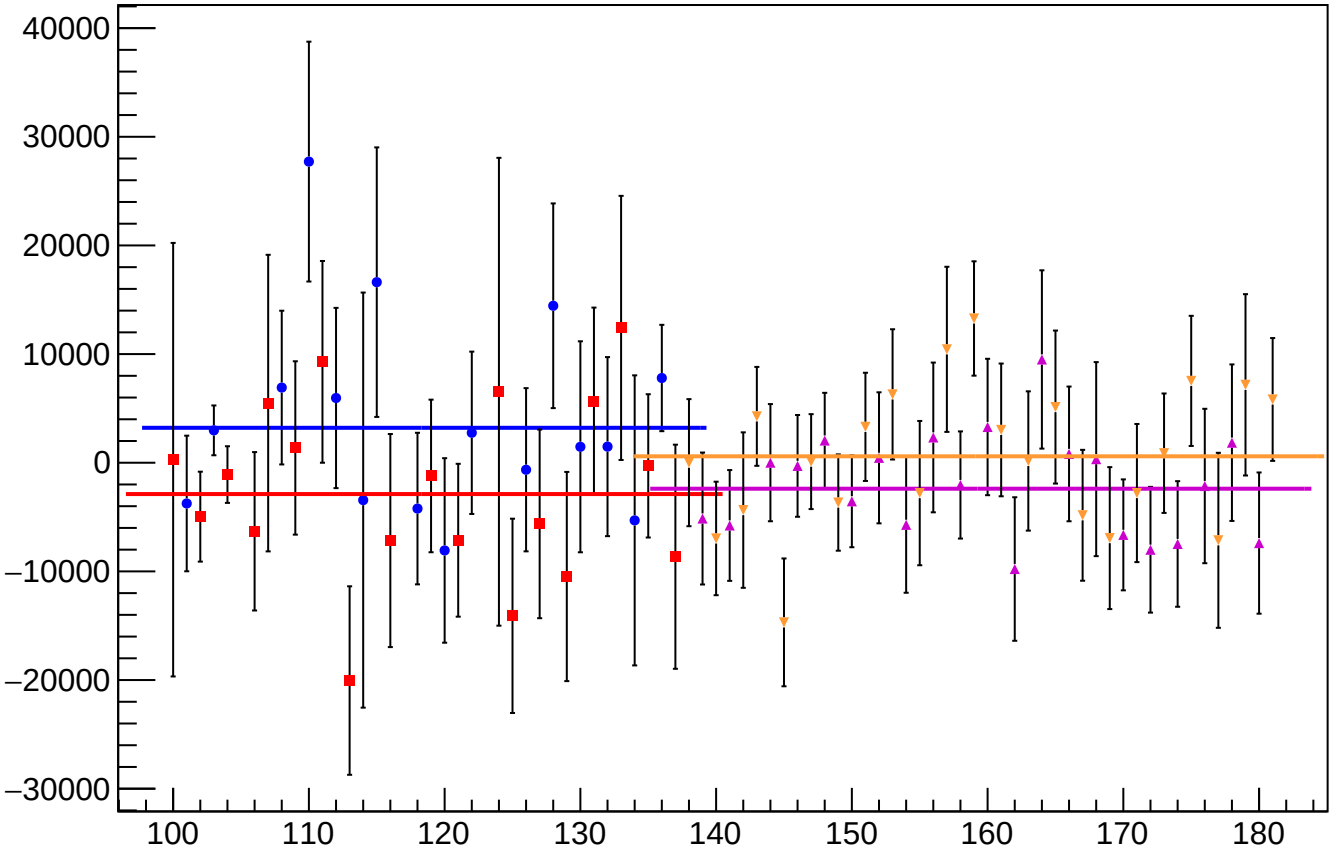
Left In: 4991.576+/-0.867 χ^2/NDF:1076420.1/20

+ sign 3450.110+/-0.562 χ^2/NDF: 12459128.7/38

All: 3038.108+/-0.369 χ^2/NDF: 31335901.0/7

- sign 2727.024+/-0.488 χ^2/NDF: 17933012.2/39

asym_atl1r2_avg_mean vs Slug



Right In: 3215.695+/-1539.262 χ^2/NDF: 13.8/15

Left Out: 592.633+/-1213.282 χ^2/NDF:26.6/22

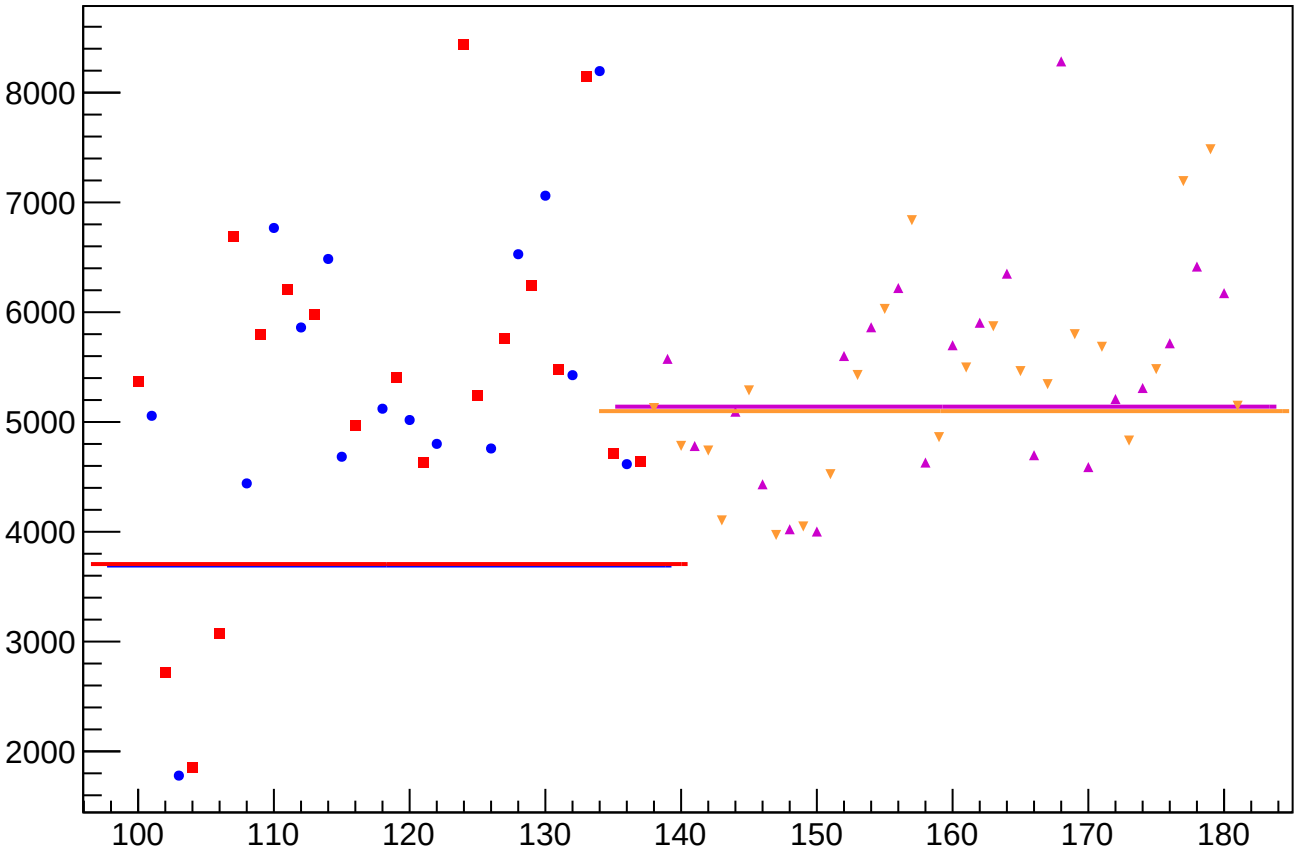
Right Out: -2883.411+/-1552.120 χ^2/NDF: 13.4/18

Left In: -2391.029+/-1258.646 χ^2/NDF:11.0/20

+ sign 1597.815+/-952.863 χ^2/NDF: 42.2/38

All: -440.651+/-682.356 χ^2/NDF: 76.1/78

- sign -2586.364+/-977.608 χ^2/NDF: 24.5/39



Right In: 3692.815+/-1.088 χ^2/NDF: 2885658.0/15

Left Out: 5099.020+/-0.858 χ^2/NDF:934596.7/22

Right Out: 3706.081+/-1.087 χ^2/NDF: 2684528.0/18

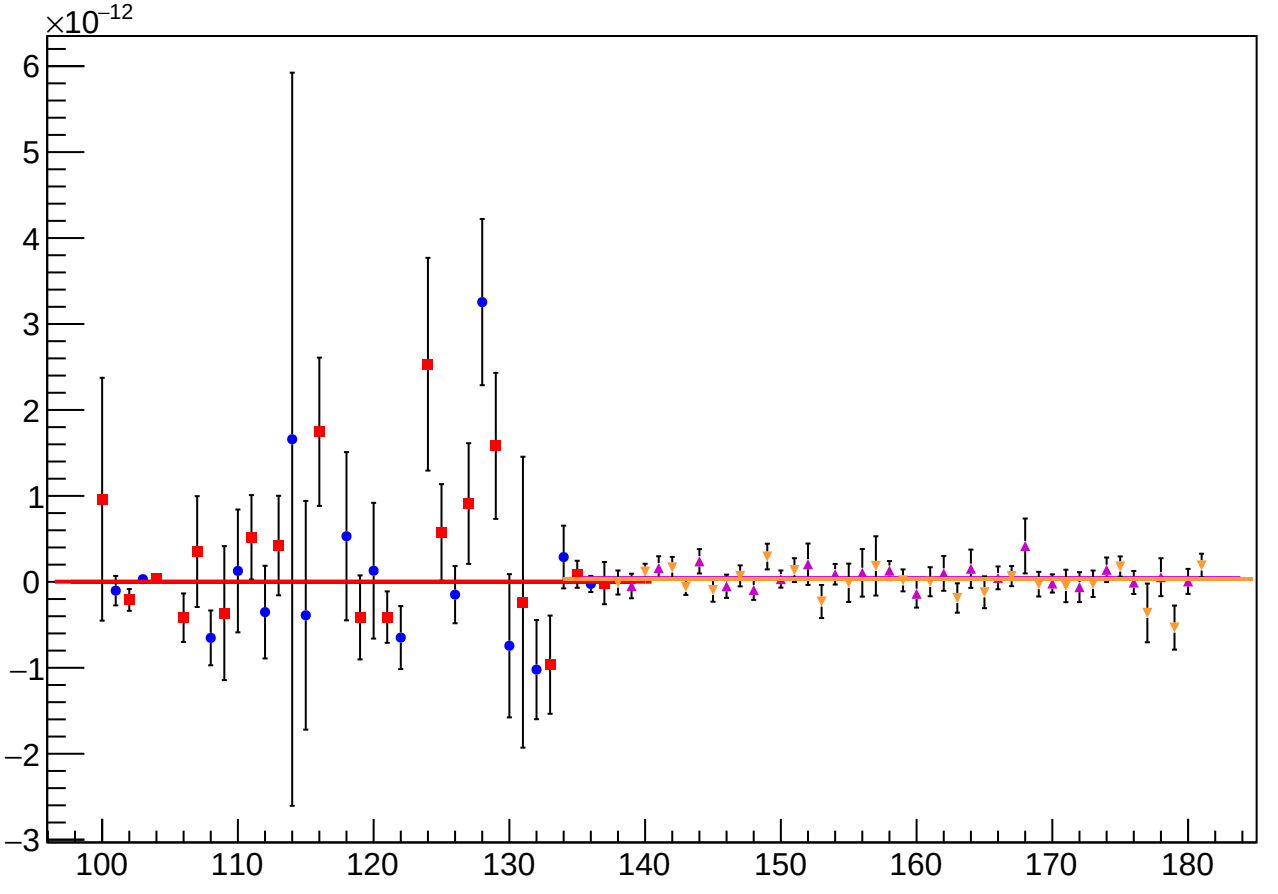
Left In: 5139.750+/-0.890 χ^2/NDF:945223.2/20

+ sign 4560.149+/-0.674 χ^2/NDF: 4849787.5/38

All: 4562.079+/-0.482 χ^2/NDF: 9521478.3/78

- sign 4564.093+/-0.689 χ^2/NDF: 4671674.0/39

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:21.8/22

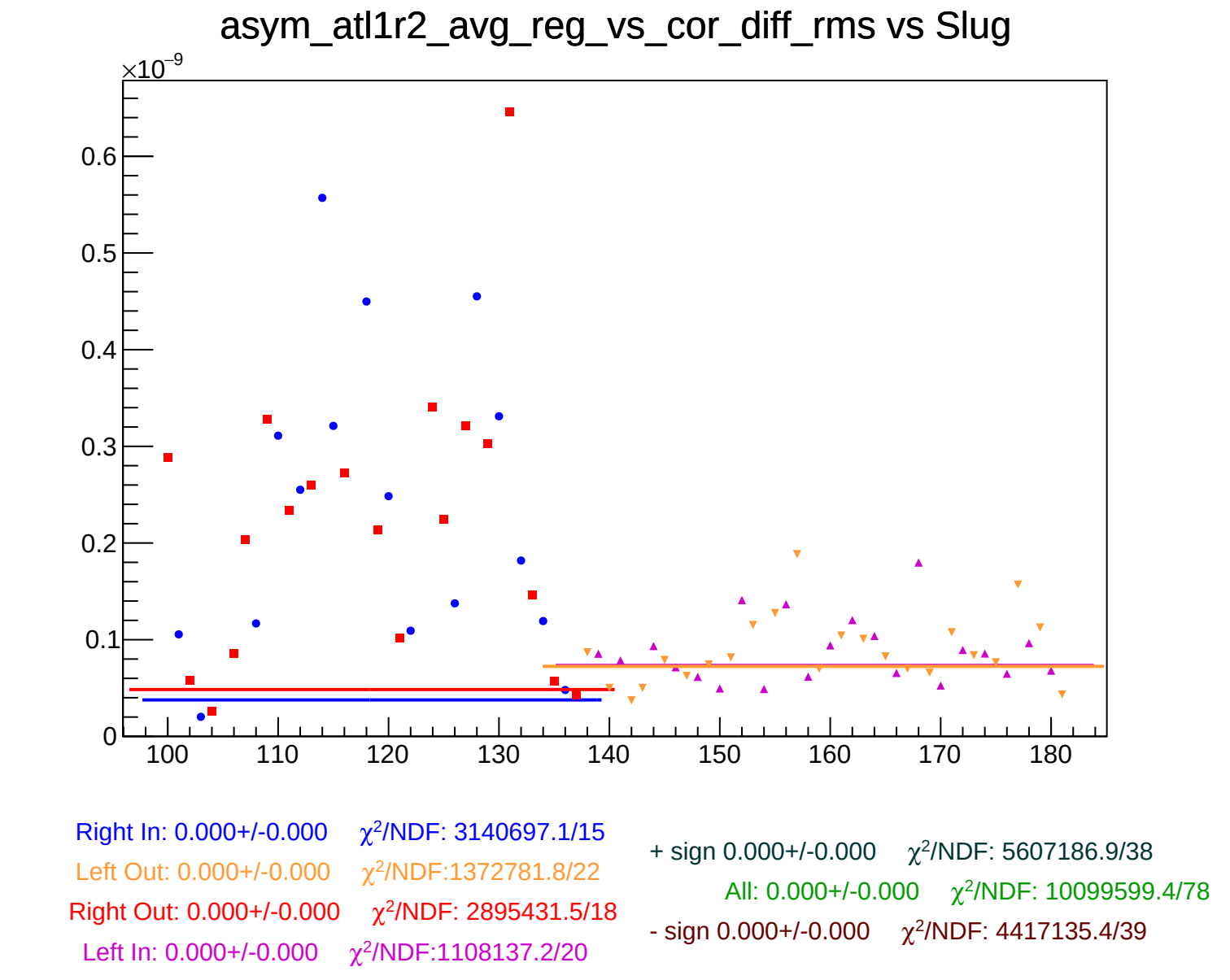
Right Out: 0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: 0.000+/-0.000 χ^2/NDF:10.6/20

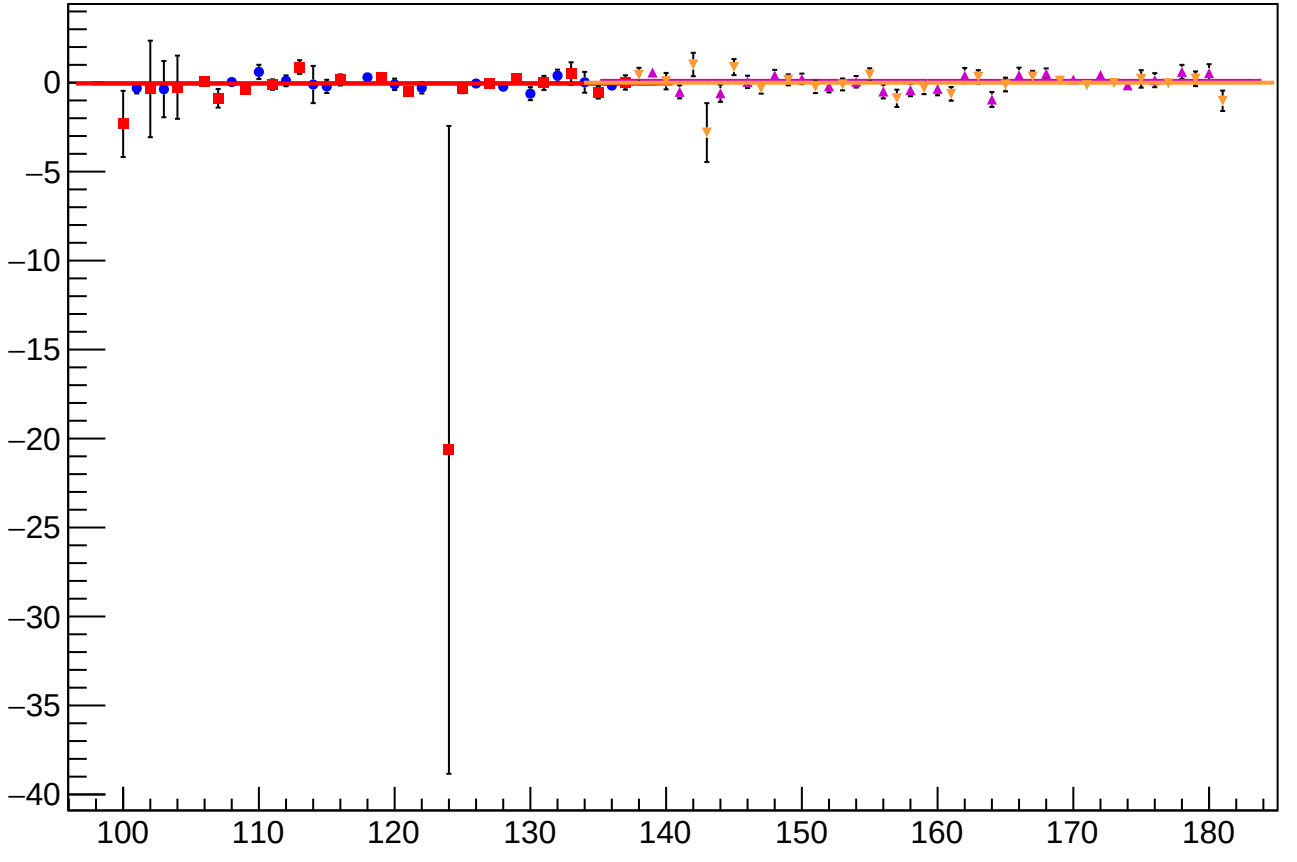
+ sign 0.000+/-0.000 χ^2/NDF: 47.7/38

All: 0.000+/-0.000 χ^2/NDF: 87.2/78

- sign 0.000+/-0.000 χ^2/NDF: 39.4/39


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:1372781.8/22
Right Out: 0.000+/-0.000 χ²/NDF: 2895431.5/18
Left In: 0.000+/-0.000 χ²/NDF:1108137.2/20
+ sign 0.000+/-0.000 χ²/NDF: 5607186.9/38
All: 0.000+/-0.000 χ²/NDF: 10099599.4/78
- sign 0.000+/-0.000 χ²/NDF: 4417135.4/39

asym_atl1r2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.041+/-0.078 χ^2/NDF: 11.7/15

Left Out: -0.003+/-0.072 χ^2/NDF:26.7/22

Right Out: -0.049+/-0.079 χ^2/NDF: 23.0/18

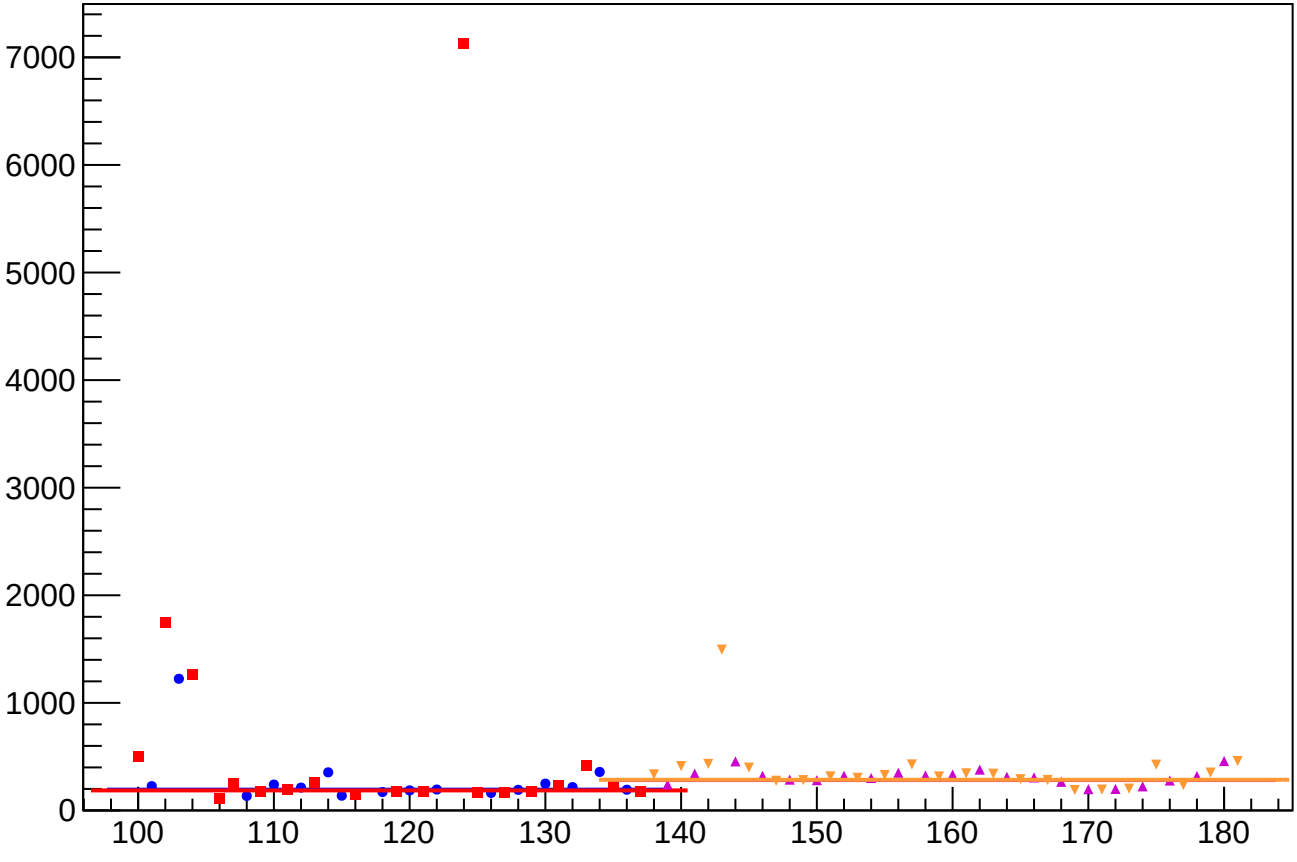
Left In: 0.100+/-0.072 χ^2/NDF:30.4/20

+ sign -0.020+/-0.053 χ^2/NDF: 38.6/38

All: 0.006+/-0.037 χ^2/NDF: 94.4/78

- sign 0.032+/-0.053 χ^2/NDF: 55.3/39

asym_atl1r2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 193.248+/-0.055 χ^2/NDF: 1408397.0/15

Left Out: 285.176+/-0.051 χ^2/NDF:3262062.8/22

Right Out: 186.379+/-0.056 χ^2/NDF: 2479083.9/18

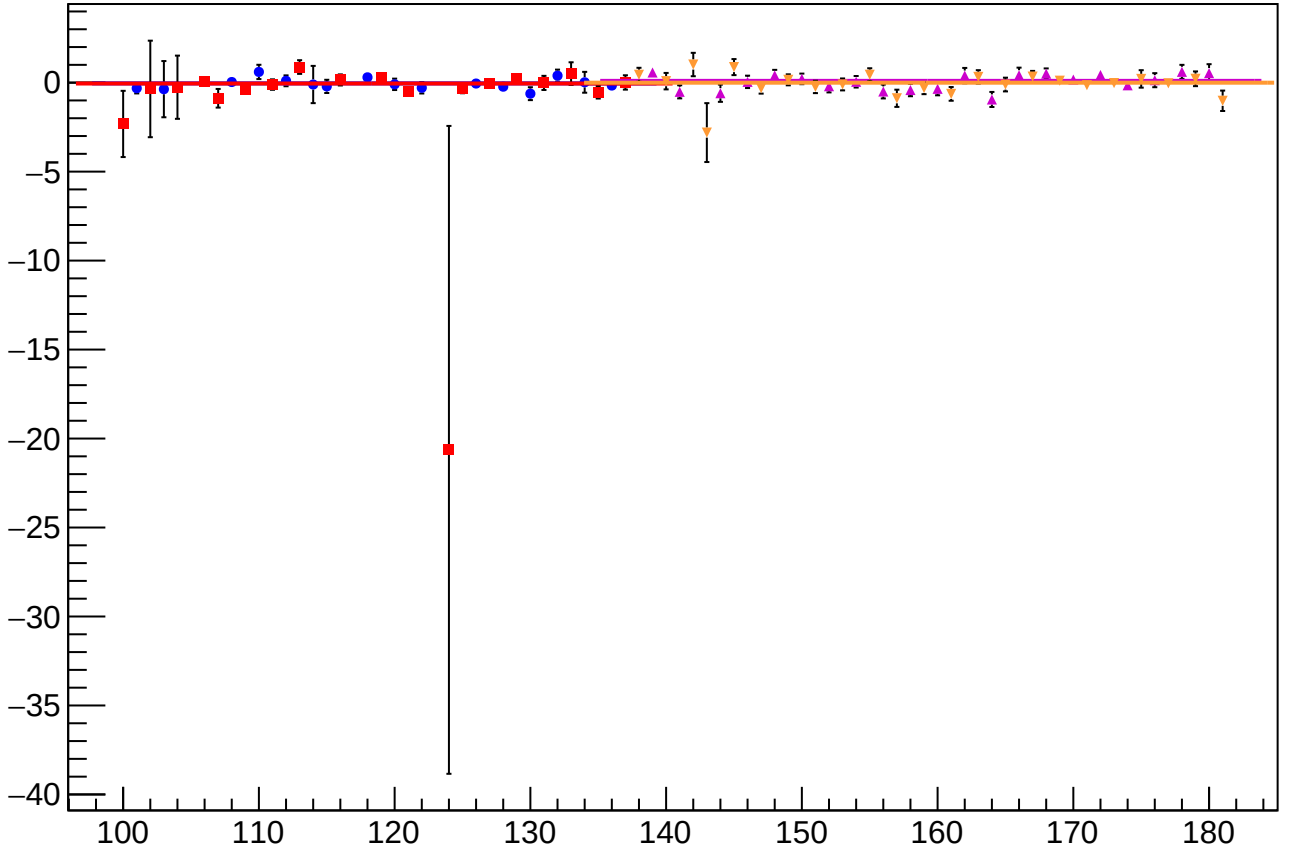
Left In: 282.548+/-0.051 χ^2/NDF:1600750.2/20

+ sign 242.889+/-0.037 χ^2/NDF: 6180084.2/38

All: 240.974+/-0.026 χ^2/NDF: 11896785.2/78

- sign 239.040+/-0.037 χ^2/NDF: 5711398.3/39

asym_atl1r2_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.041+/-0.078 χ^2/NDF: 11.7/15

Left Out: -0.003+/-0.072 χ^2/NDF:26.7/22

Right Out: -0.049+/-0.079 χ^2/NDF: 23.0/18

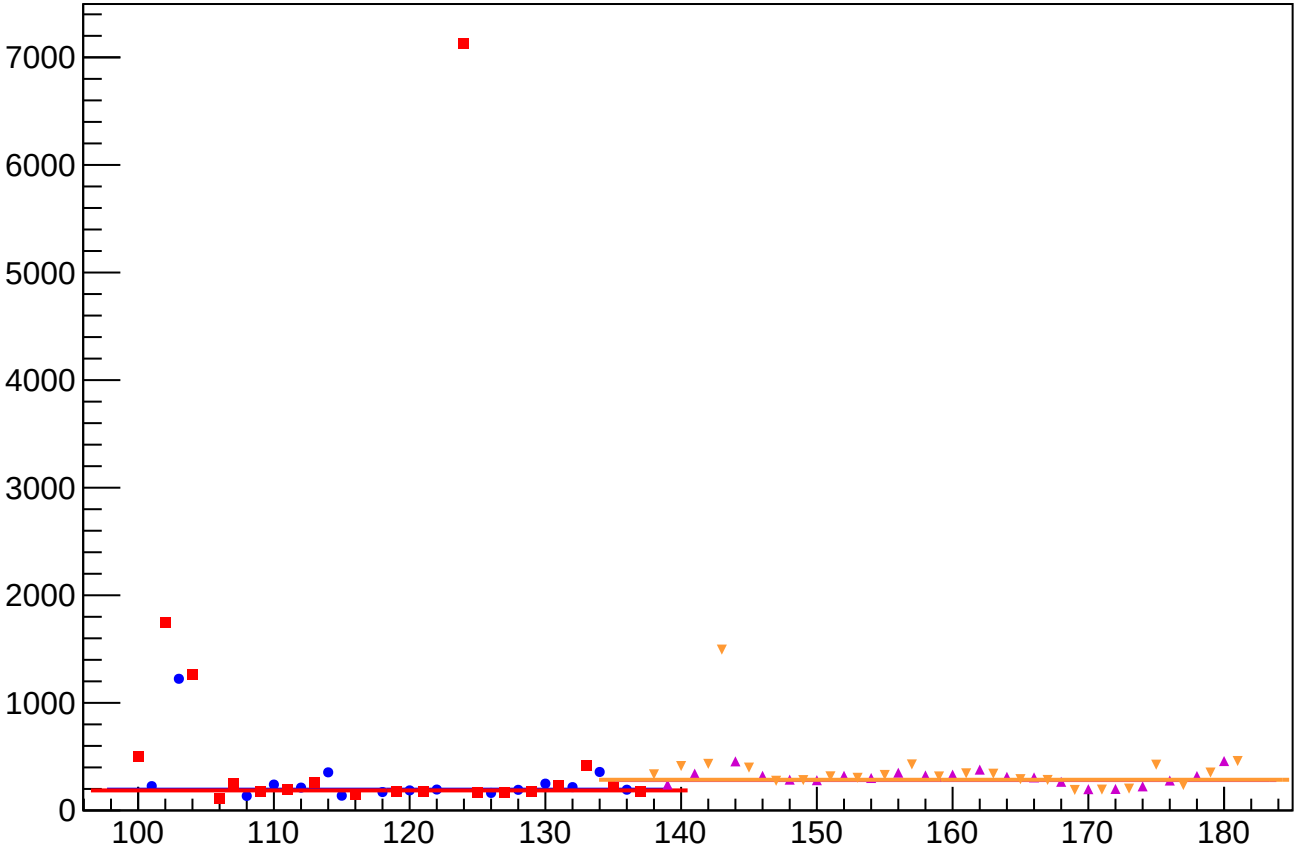
Left In: 0.100+/-0.072 χ^2/NDF:30.4/20

+ sign -0.020+/-0.053 χ^2/NDF: 38.6/38

All: 0.006+/-0.037 χ^2/NDF: 94.4/78

- sign 0.032+/-0.053 χ^2/NDF: 55.3/39

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: 285.176+/-0.051 χ^2/NDF:3262062.8/22

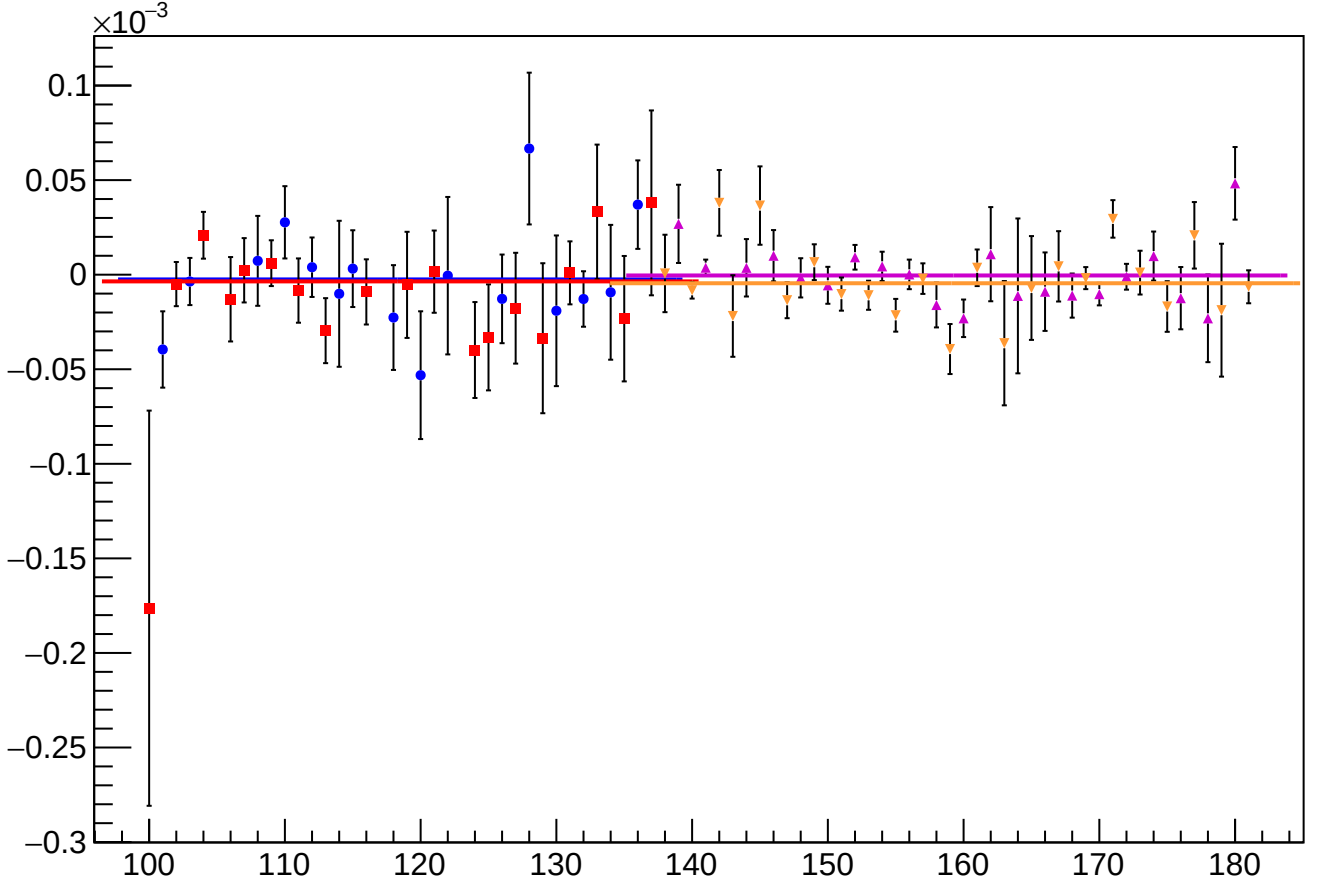
Right Out: 186.379+/-0.056 χ^2/NDF: 2479083.9/18

Left In: 282.548+/-0.051 χ^2/NDF:1600750.2/20

+ sign 242.889+/-0.037 χ^2/NDF: 6180084.2/38

All: 240.974+/-0.026 χ^2/NDF: 11896785.2/78

- sign 239.040+/-0.037 χ^2/NDF: 5711398.3/39



Right In: -0.000+/-0.000 χ^2/NDF: 15.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:42.8/22

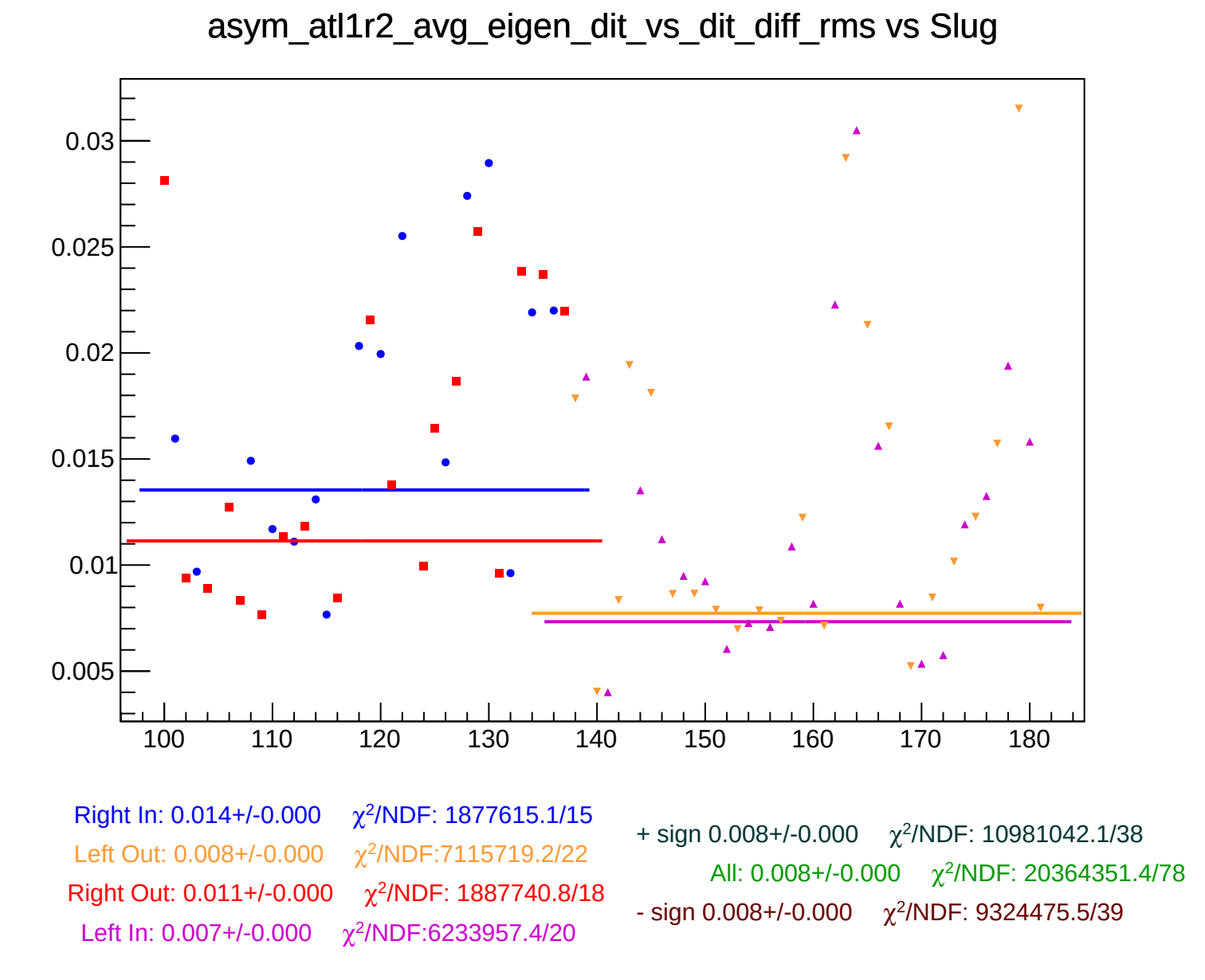
Right Out: -0.000+/-0.000 χ^2/NDF: 16.3/18

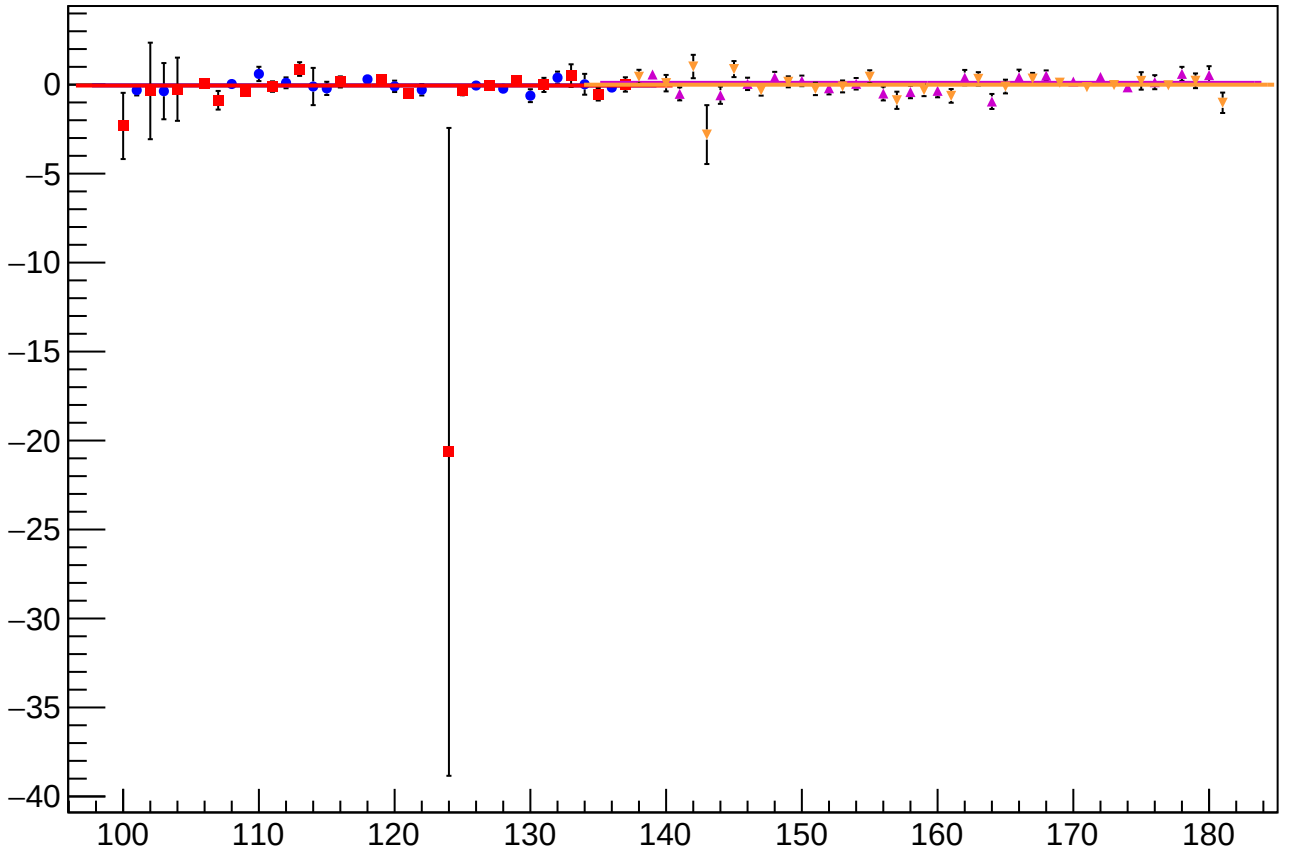
Left In: -0.000+/-0.000 χ^2/NDF:25.7/20

+ sign -0.000+/-0.000 χ^2/NDF: 58.7/38

All: -0.000+/-0.000 χ^2/NDF: 102.7/78

- sign -0.000+/-0.000 χ^2/NDF: 42.4/39


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:7115719.2/22
Right Out: 0.011+/-0.000 χ²/NDF: 1887740.8/18
Left In: 0.007+/-0.000 χ²/NDF:6233957.4/20
+ sign 0.008+/-0.000 χ²/NDF: 10981042.1/38
All: 0.008+/-0.000 χ²/NDF: 20364351.4/78
- sign 0.008+/-0.000 χ²/NDF: 9324475.5/39



Right In: -0.041+/-0.078 χ^2/NDF: 11.7/15

Left Out: -0.003+/-0.072 χ^2/NDF:26.7/22

Right Out: -0.049+/-0.079 χ^2/NDF: 23.0/18

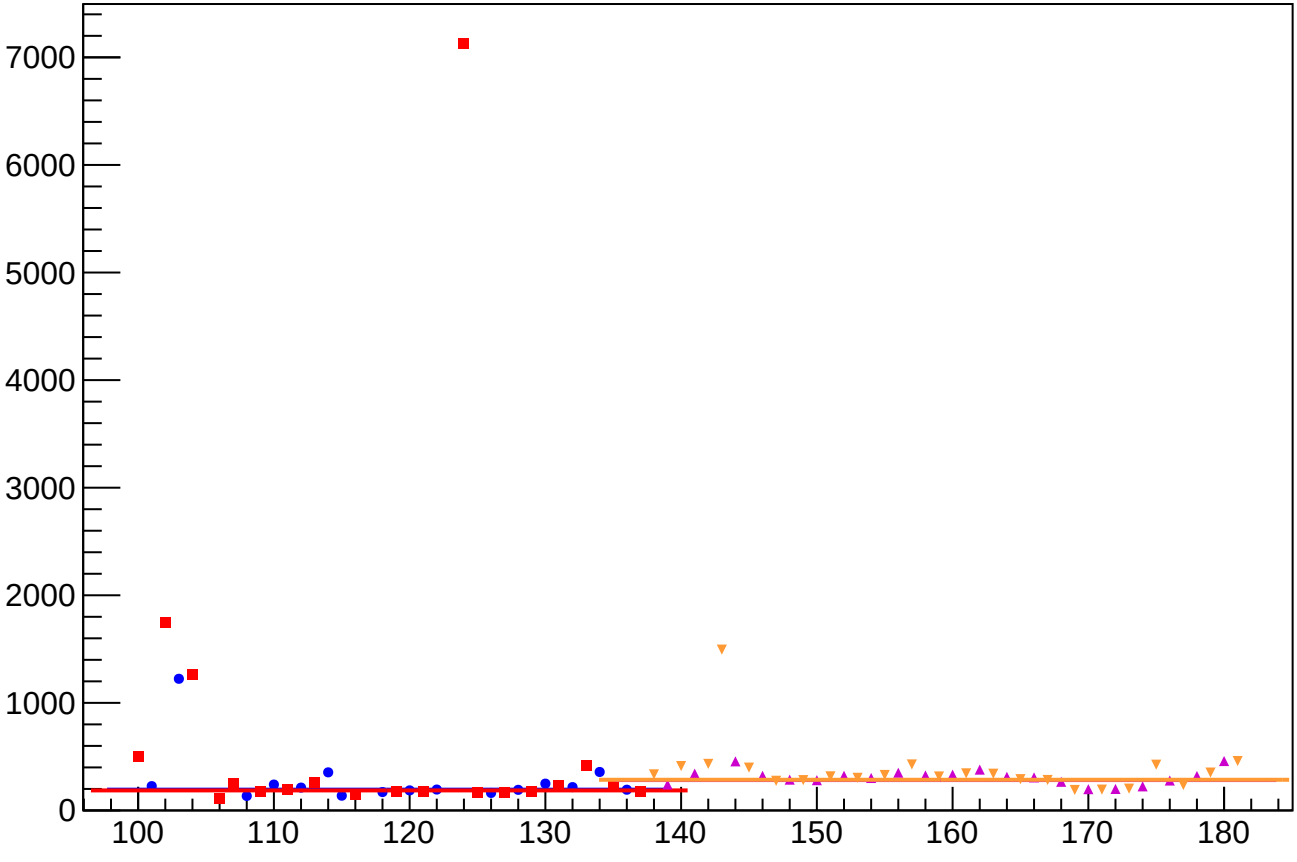
Left In: 0.100+/-0.072 χ^2/NDF:30.4/20

+ sign -0.020+/-0.053 χ^2/NDF: 38.6/38

All: 0.006+/-0.037 χ^2/NDF: 94.5/78

- sign 0.032+/-0.053 χ^2/NDF: 55.3/39

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: 285.179+/-0.051 χ^2/NDF:3262112.8/22

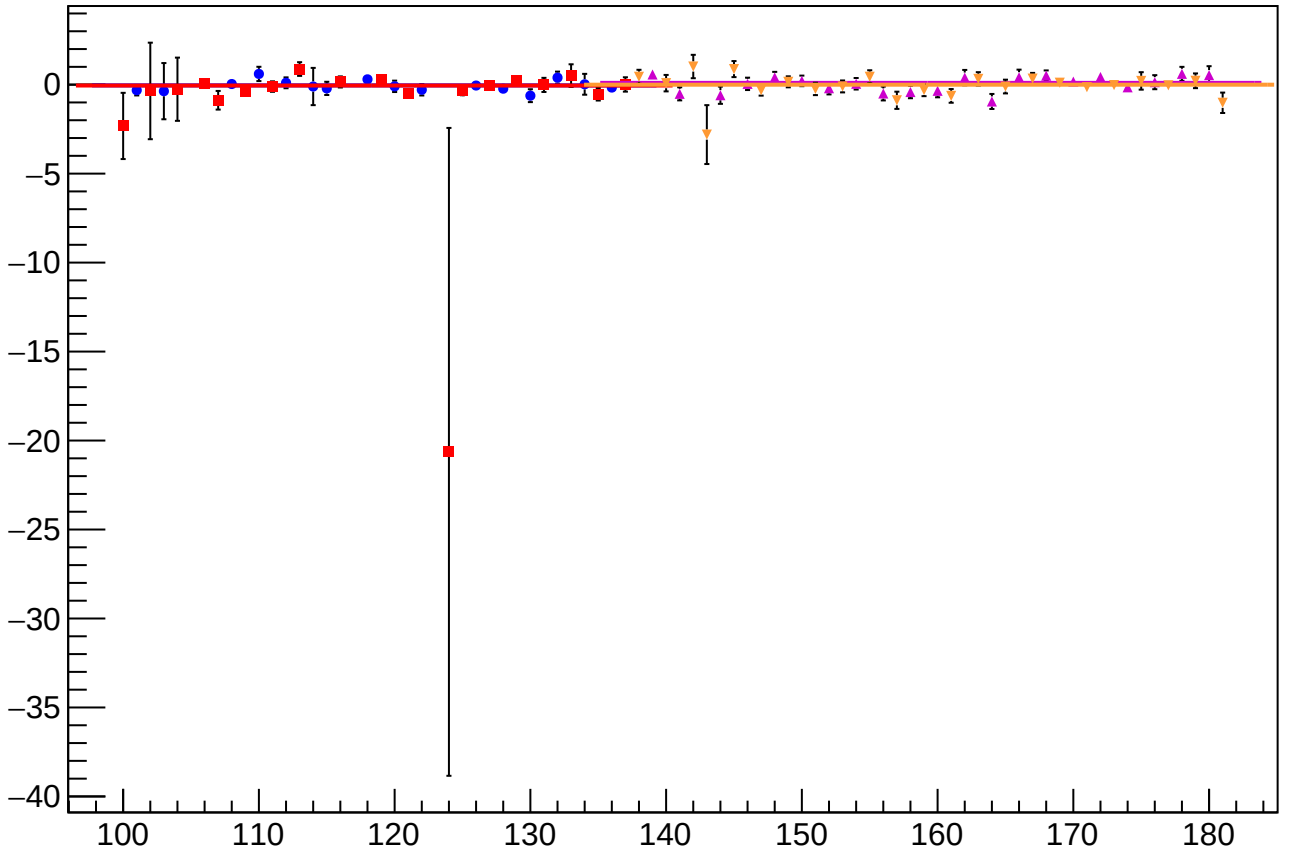
Right Out: 186.376+/-0.056 χ^2/NDF: 2479113.1/18

Left In: 282.550+/-0.051 χ^2/NDF:1600796.9/20

+ sign 242.889+/-0.037 χ^2/NDF: 6180259.7/38

All: 240.974+/-0.026 χ^2/NDF: 11897205.1/78

- sign 239.039+/-0.037 χ^2/NDF: 5711641.4/39



Right In: -0.041+/-0.078 χ^2/NDF: 11.7/15

Left Out: -0.003+/-0.072 χ^2/NDF:26.7/22

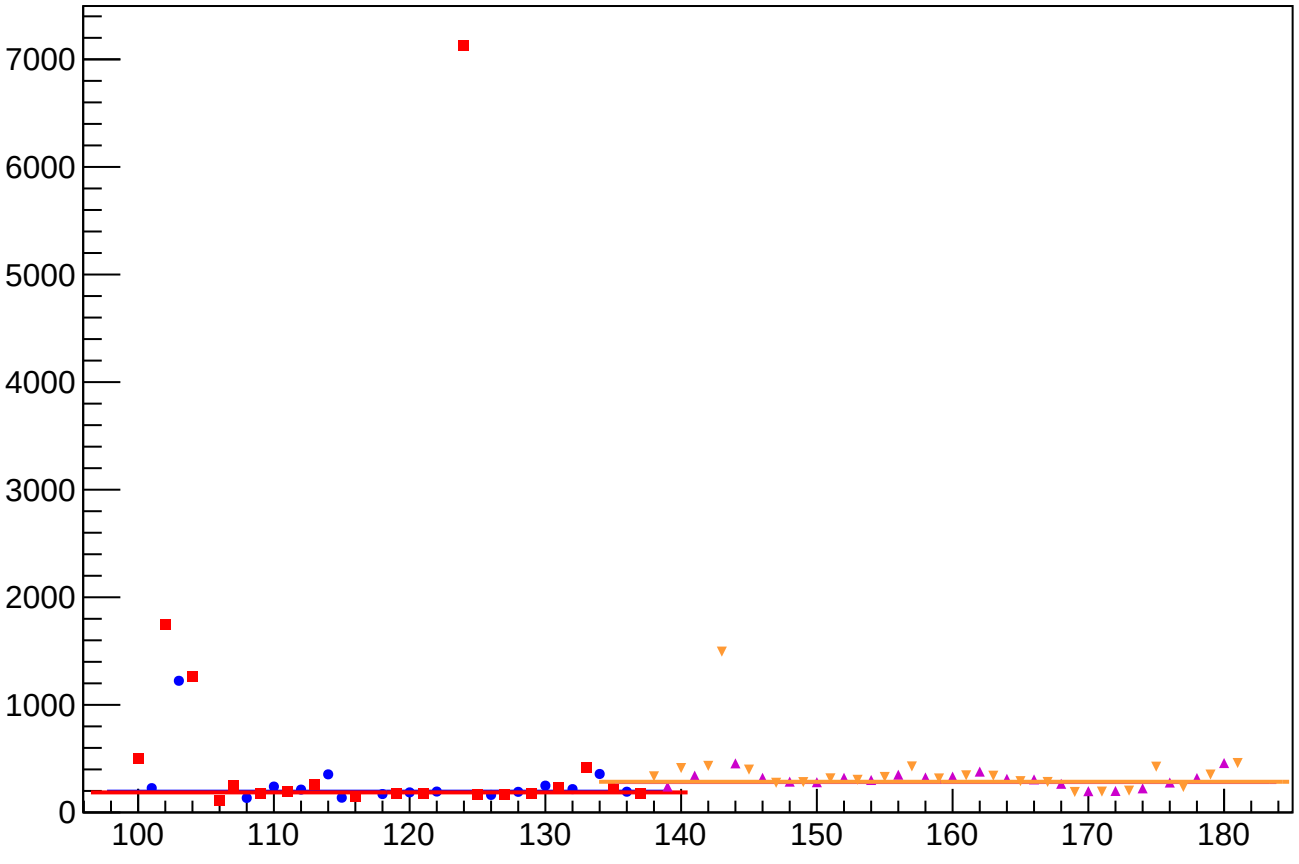
Right Out: -0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: 0.100+/-0.072 χ^2/NDF:30.4/20

+ sign -0.020+/-0.053 χ^2/NDF: 38.6/38

All: 0.006+/-0.037 χ^2/NDF: 94.5/78

- sign 0.032+/-0.053 χ^2/NDF: 55.3/39



Right In: 193.247+/-0.055 χ^2/NDF: 1408390.6/15

Left Out: 285.179+/-0.051 χ^2/NDF:3262112.8/22

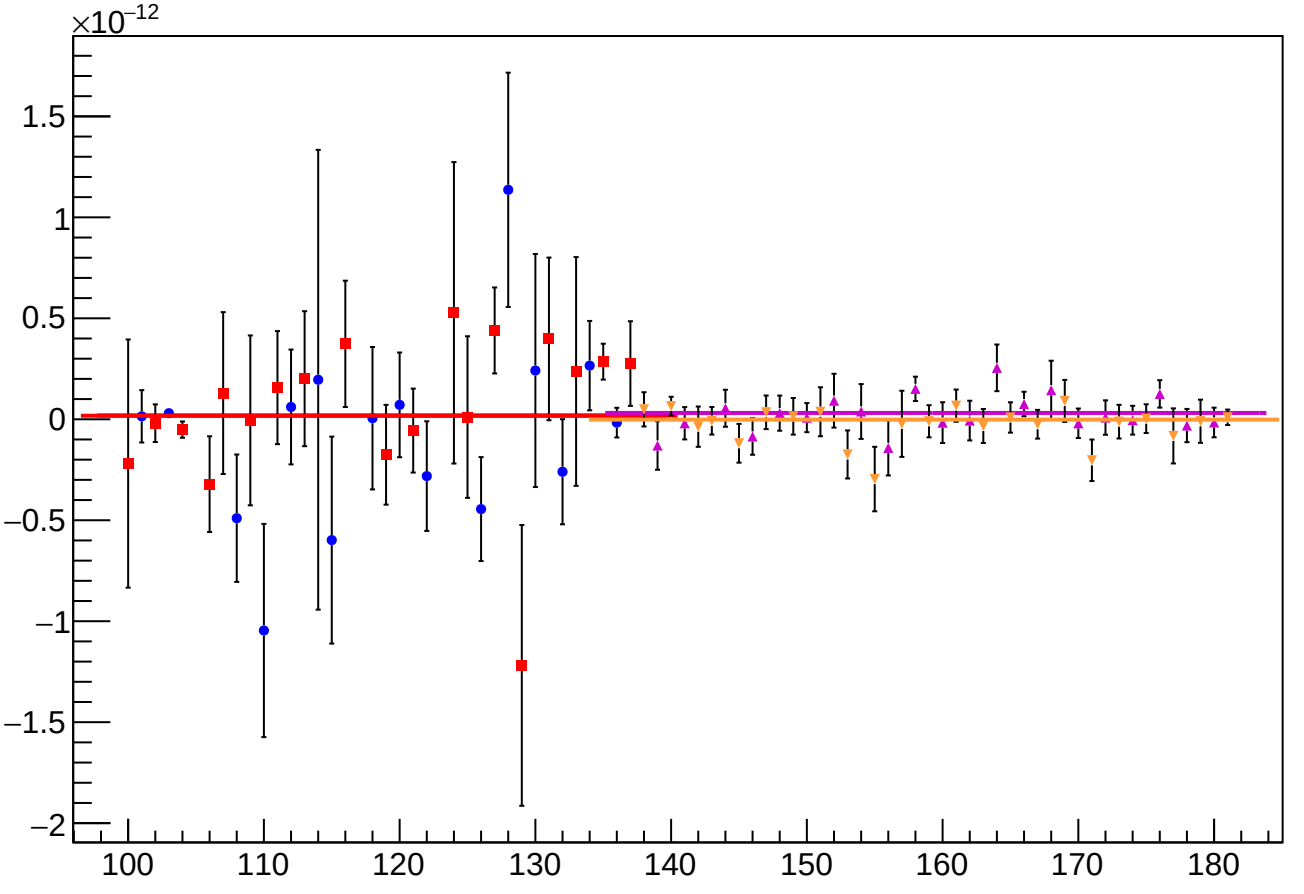
Right Out: 186.376+/-0.056 χ^2/NDF: 2479113.1/18

Left In: 282.550+/-0.051 χ^2/NDF:1600796.9/20

+ sign 242.889+/-0.037 χ^2/NDF: 6180259.7/38

All: 240.974+/-0.026 χ^2/NDF: 11897205.1/78

- sign 239.039+/-0.037 χ^2/NDF: 5711641.4/39



Right In: 0.000+/-0.000 χ^2/NDF: 19.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:16.0/22

Right Out: 0.000+/-0.000 χ^2/NDF: 27.1/18

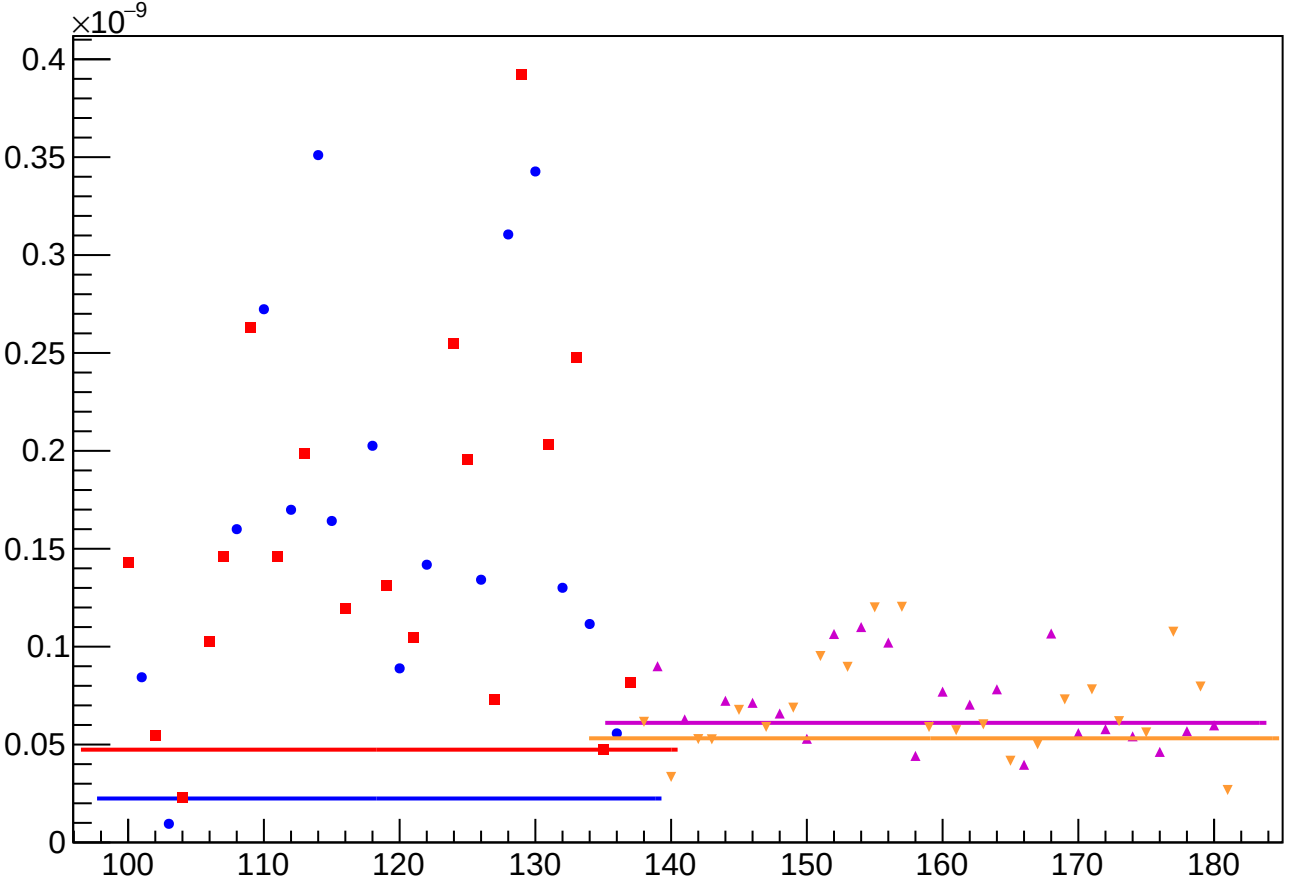
Left In: 0.000+/-0.000 χ^2/NDF:18.7/20

+ sign 0.000+/-0.000 χ^2/NDF: 36.0/38

All: 0.000+/-0.000 χ^2/NDF: 83.1/78

- sign 0.000+/-0.000 χ^2/NDF: 46.0/39

asym_atl1r2_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 6410173.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:3298358.2/22

Right Out: 0.000+/-0.000 χ^2/NDF: 4236050.4/18

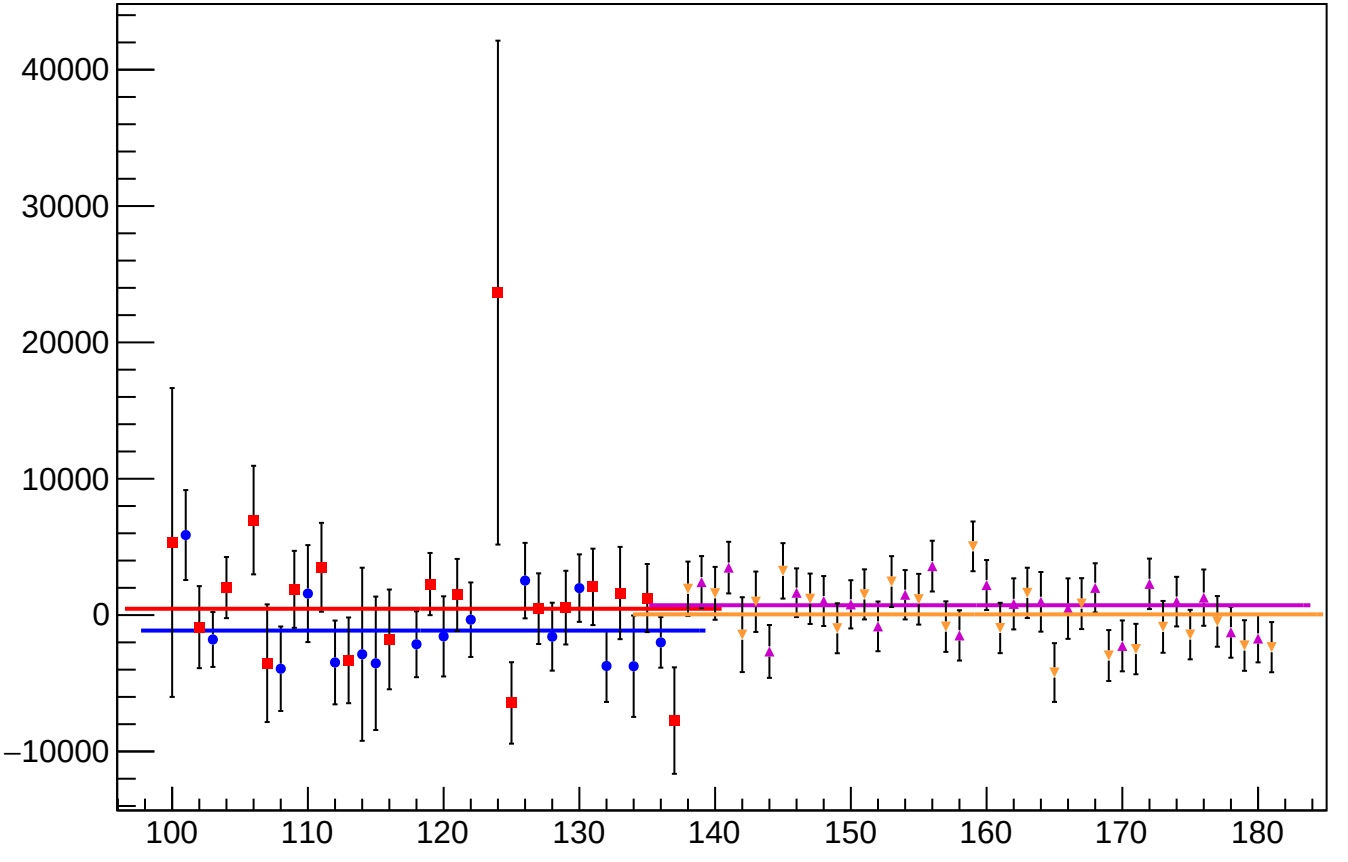
Left In: 0.000+/-0.000 χ^2/NDF:1722689.7/20

+ sign 0.000+/-0.000 χ^2/NDF: 12426605.4/38

All: 0.000+/-0.000 χ^2/NDF: 19933757.0/78

- sign 0.000+/-0.000 χ^2/NDF: 6243045.6/39

reg_asym_atl1r2_dd_mean vs Slug



Right In: -1134.630+/-693.782 χ^2/NDF: 12.2/15

Left Out: 54.024+/-399.209 χ^2/NDF:29.3/22

Right Out: 465.519+/-705.926 χ^2/NDF: 20.0/18

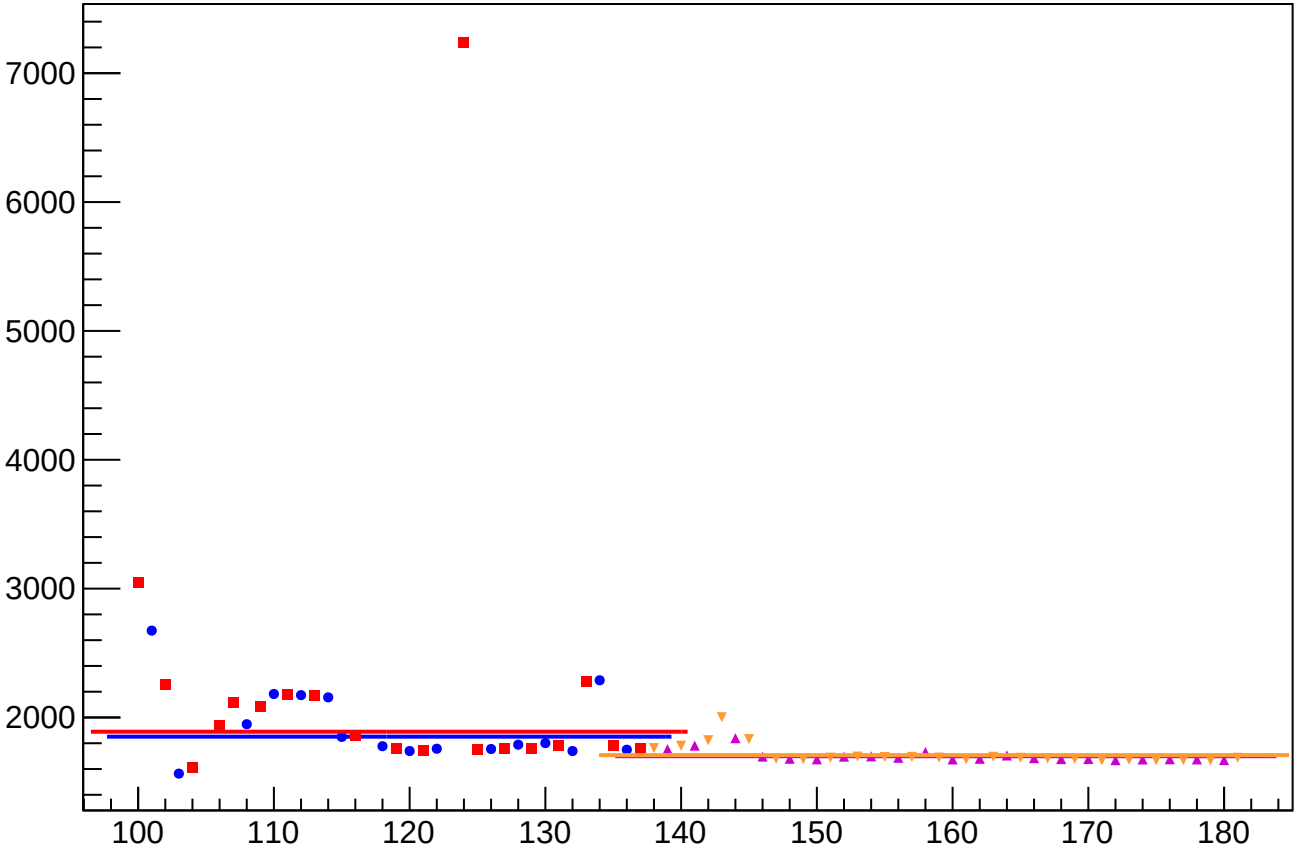
Left In: 722.626+/-409.217 χ^2/NDF:18.6/20

+ sign -241.641+/-346.015 χ^2/NDF: 43.8/38

All: 197.857+/-247.456 χ^2/NDF: 85.8/78

- sign 657.959+/-354.033 χ^2/NDF: 38.7/39

reg_asym_atl1r2_dd_rms vs Slug



Right In: 1851.130+/-0.491 χ^2/NDF: 259981.6/15

Left Out: 1707.900+/-0.282 χ^2/NDF:58783.1/22

Right Out: 1889.528+/-0.498 χ^2/NDF: 358902.6/18

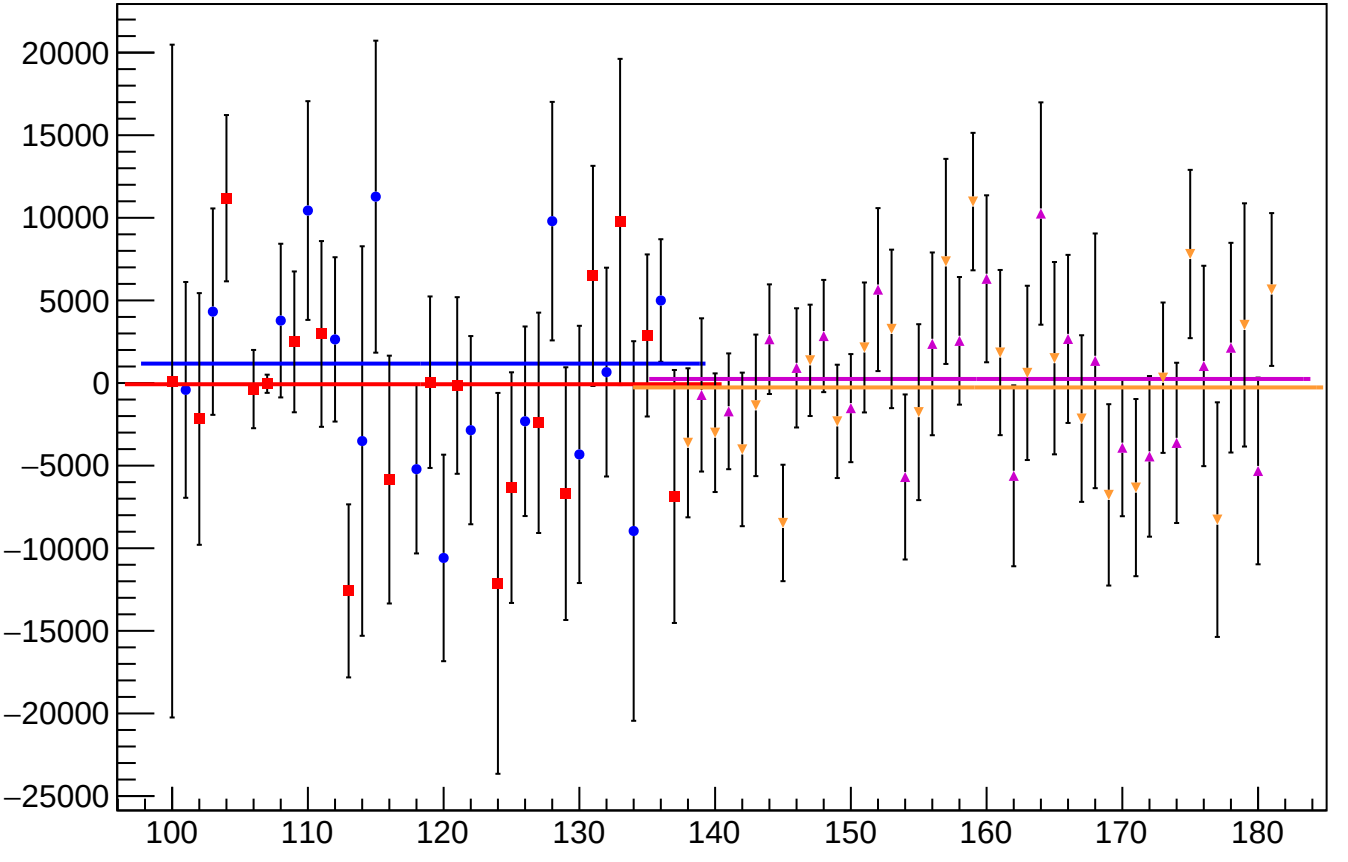
Left In: 1699.367+/-0.289 χ^2/NDF:20479.3/20

+ sign 1743.527+/-0.245 χ^2/NDF: 382803.3/38

All: 1745.402+/-0.175 χ^2/NDF: 871309.1/78

- sign 1747.362+/-0.250 χ^2/NDF: 488385.7/39

asym_atl1r2_dd_reg_correction_mean vs Slug



Right In: 1175.430+/-1502.128 χ^2/NDF: 13.7/15

Left Out: -266.305+/-956.562 χ^2/NDF:26.5/22

Right Out: -72.681+/-505.693 χ^2/NDF: 17.9/18

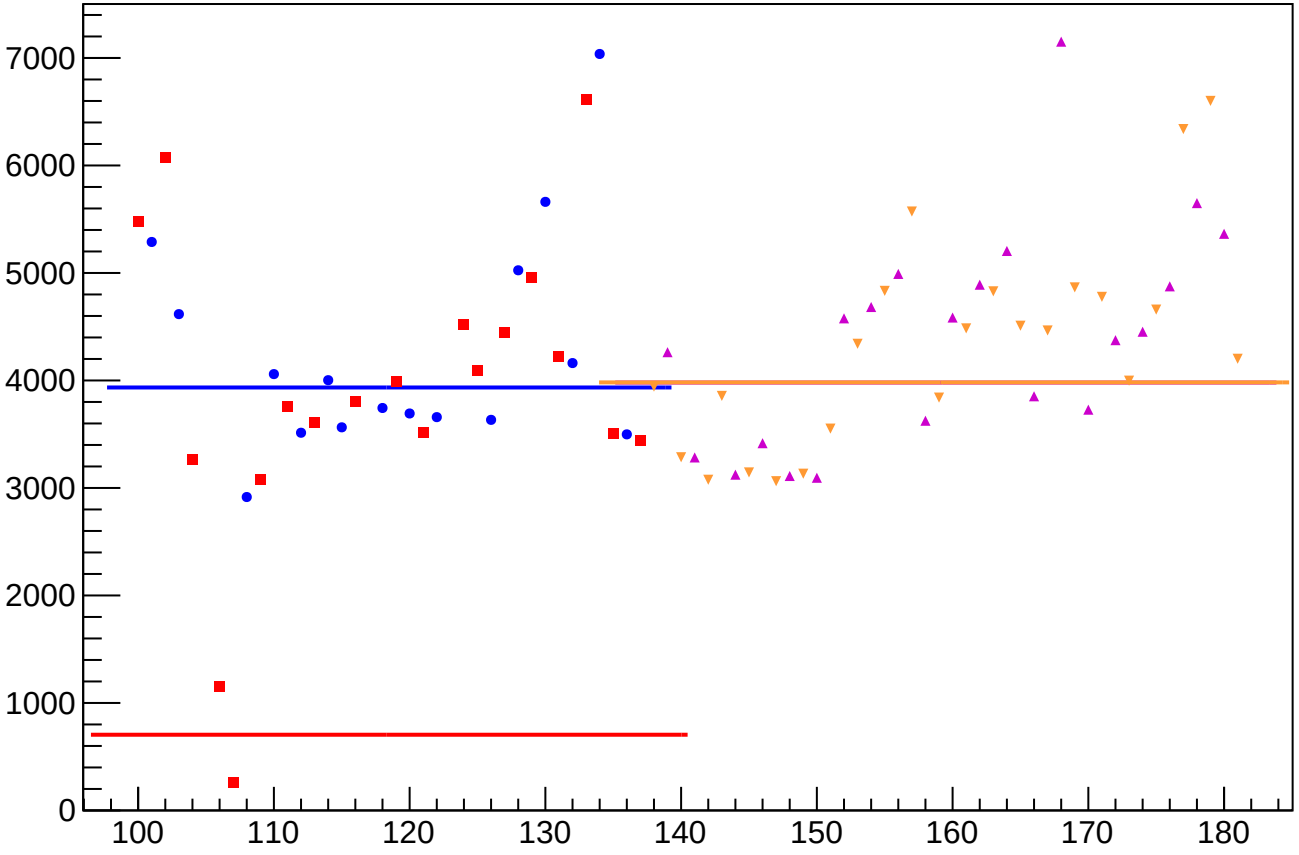
Left In: 245.829+/-983.907 χ^2/NDF:13.6/20

+ sign 149.664+/-806.853 χ^2/NDF: 40.9/38

All: 30.807+/-392.852 χ^2/NDF: 72.5/78

- sign -6.125+/-449.765 χ^2/NDF: 31.6/39

asym_atl1r2_dd_reg_correction_rms vs Slug



Right In: 3934.718+/-1.062 χ^2/NDF: 560125.6/15

Left Out: 3982.070+/-0.676 χ^2/NDF:1472971.7/22

Right Out: 704.385+/-0.358 χ^2/NDF: 10618643.5/18

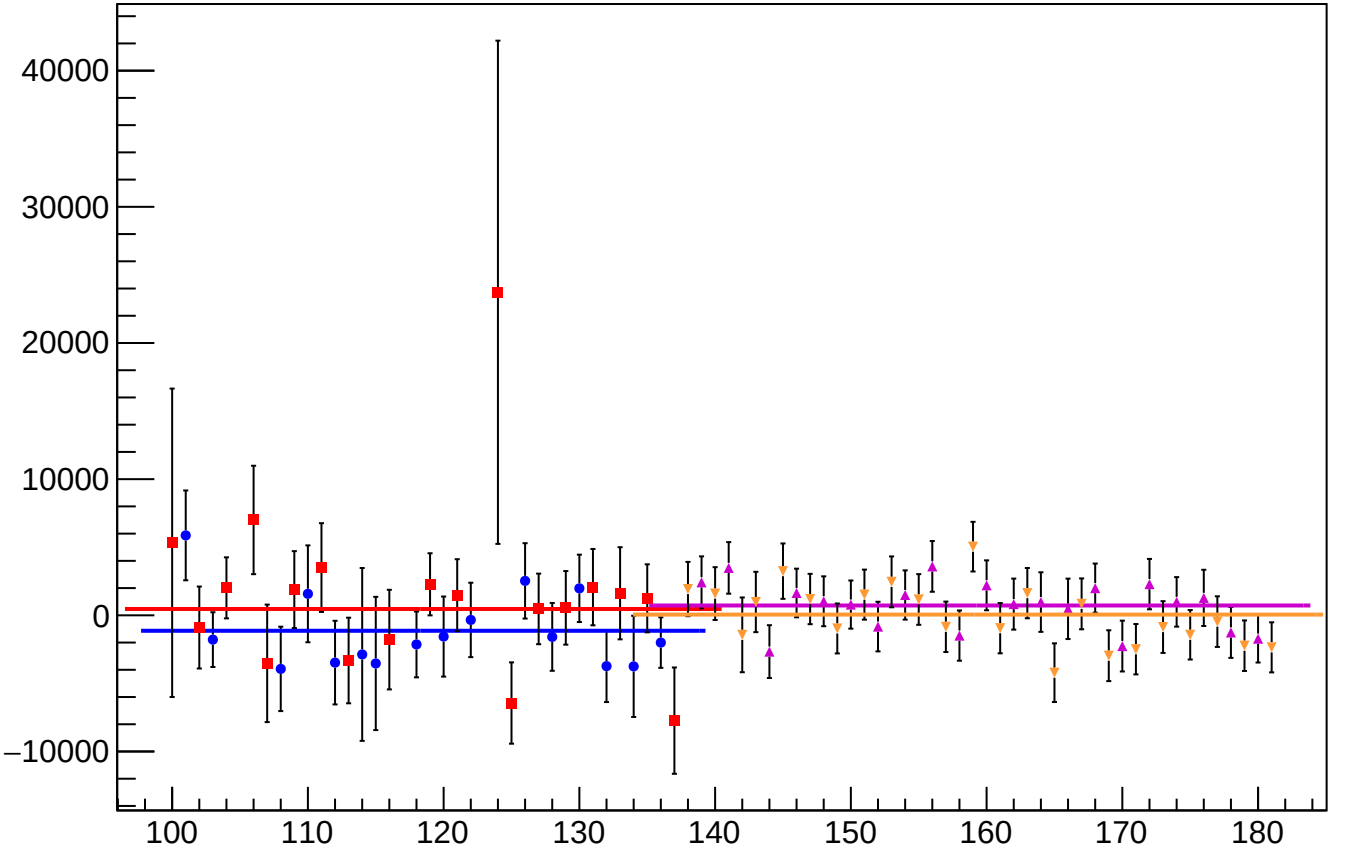
Left In: 3980.490+/-0.696 χ^2/NDF:1530233.1/20

+ sign 3968.408+/-0.571 χ^2/NDF: 2034511.3/38

All: 2000.462+/-0.278 χ^2/NDF: 47318466.7/7

- sign 1388.962+/-0.318 χ^2/NDF: 29689132.6/39

cor_asym_atl1r2_dd_mean vs Slug



Right In: -1134.203+/-693.782 χ^2/NDF: 12.2/15

Left Out: 54.105+/-399.209 χ^2/NDF:29.3/22

Right Out: 465.899+/-705.928 χ^2/NDF: 20.0/18

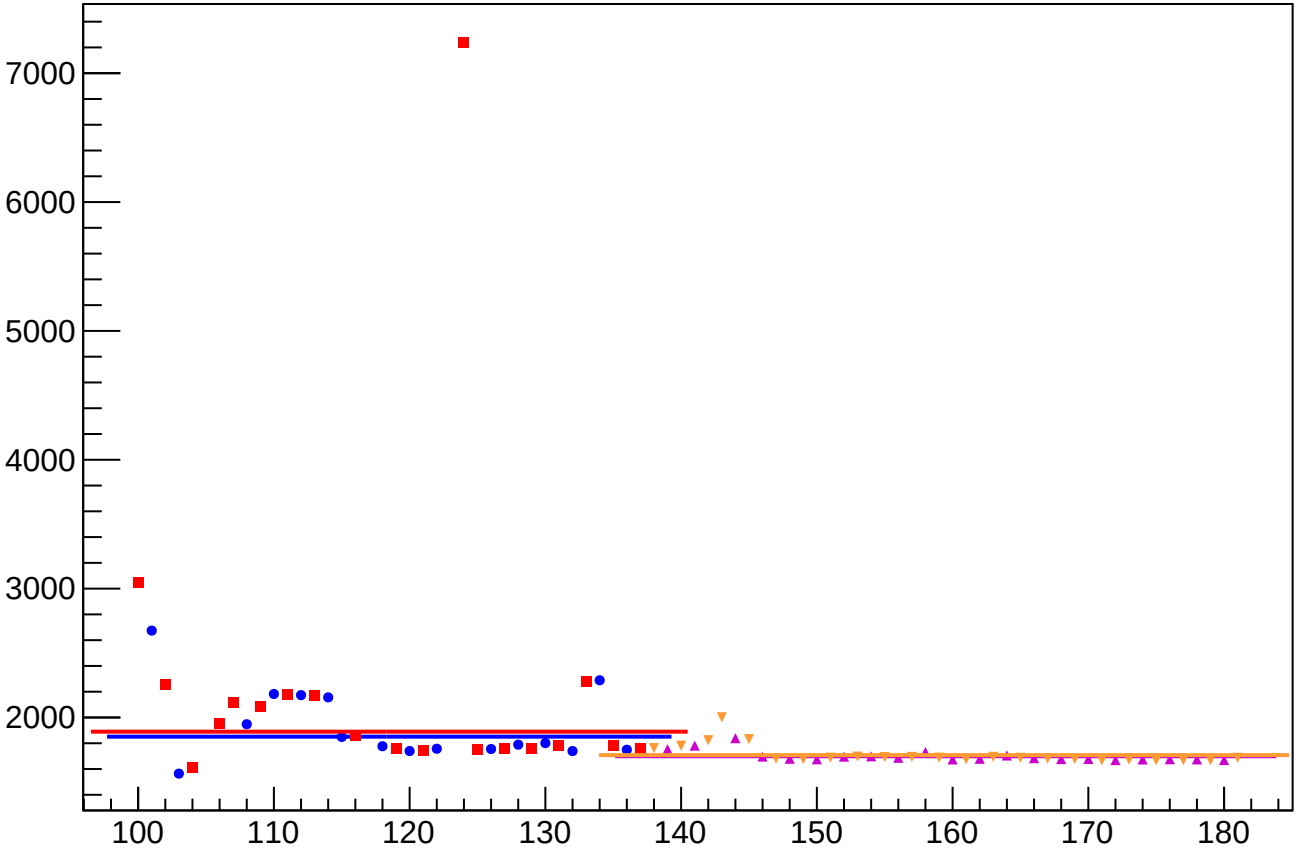
Left In: 722.499+/-409.217 χ^2/NDF:18.6/20

\+ sign -241.475+/-346.016 χ^2/NDF: 43.8/38

All: 197.942+/-247.456 χ^2/NDF: 85.8/78

\- sign 657.960+/-354.033 χ^2/NDF: 38.7/39

cor_asym_atl1r2_dd_rms vs Slug



Right In: 1851.131+/-0.491 χ^2/NDF: 259980.7/15

Left Out: 1707.900+/-0.282 χ^2/NDF:58783.1/22

Right Out: 1889.986+/-0.498 χ^2/NDF: 359122.3/18

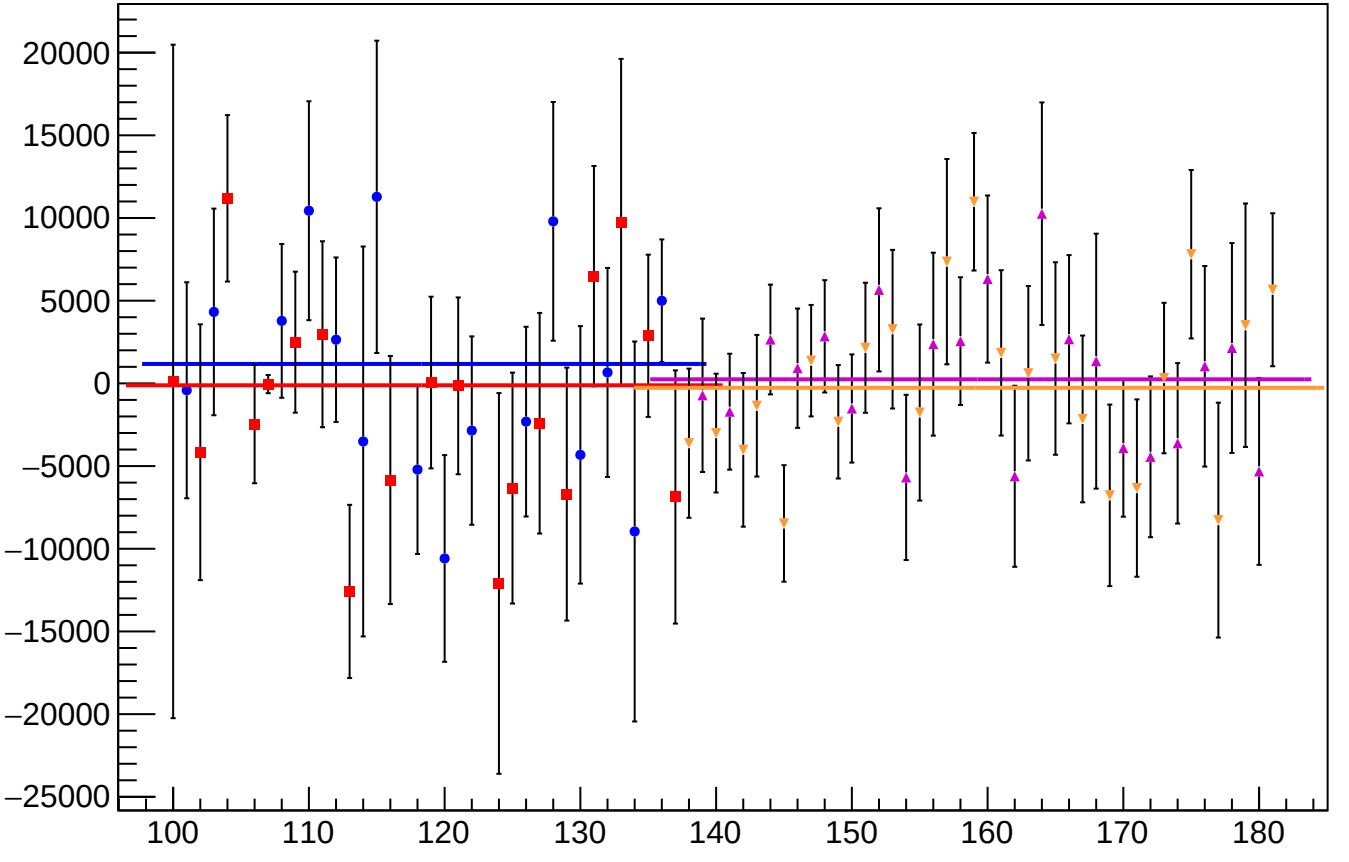
Left In: 1699.367+/-0.289 χ^2/NDF:20479.3/20

+ sign 1743.528+/-0.245 χ^2/NDF: 382802.8/38

All: 1745.450+/-0.175 χ^2/NDF: 872023.4/78

- sign 1747.461+/-0.250 χ^2/NDF: 489094.3/39

asym_atl1r2_dd_cor_correction_mean vs Slug



Right In: 1175.408+/-1502.134 χ^2/NDF: 13.7/15

Left Out: -266.283+/-956.560 χ^2/NDF:26.5/22

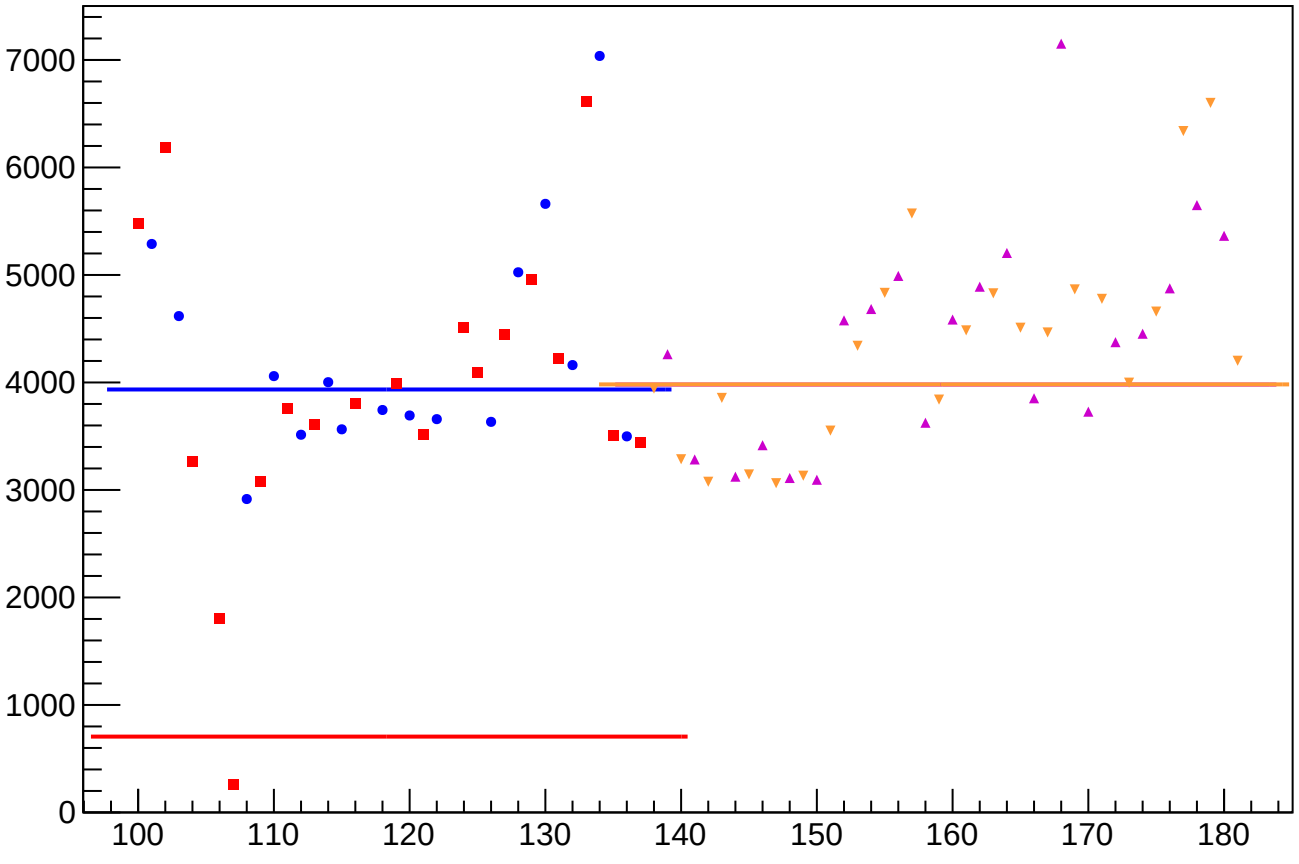
Right Out: -115.917+/-512.289 χ^2/NDF: 18.6/18

Left In: 245.760+/-983.906 χ^2/NDF:13.6/20

+ sign 149.669+/-806.853 χ^2/NDF: 40.9/38

All: 6.596+/-395.921 χ^2/NDF: 73.2/78

- sign -38.779+/-454.387 χ^2/NDF: 32.3/39



Right In: 3934.727+/-1.062 χ^2/NDF: 560149.8/15

Left Out: 3982.060+/-0.676 χ^2/NDF:1472987.1/22

Right Out: 705.620+/-0.362 χ^2/NDF: 10747208.1/18

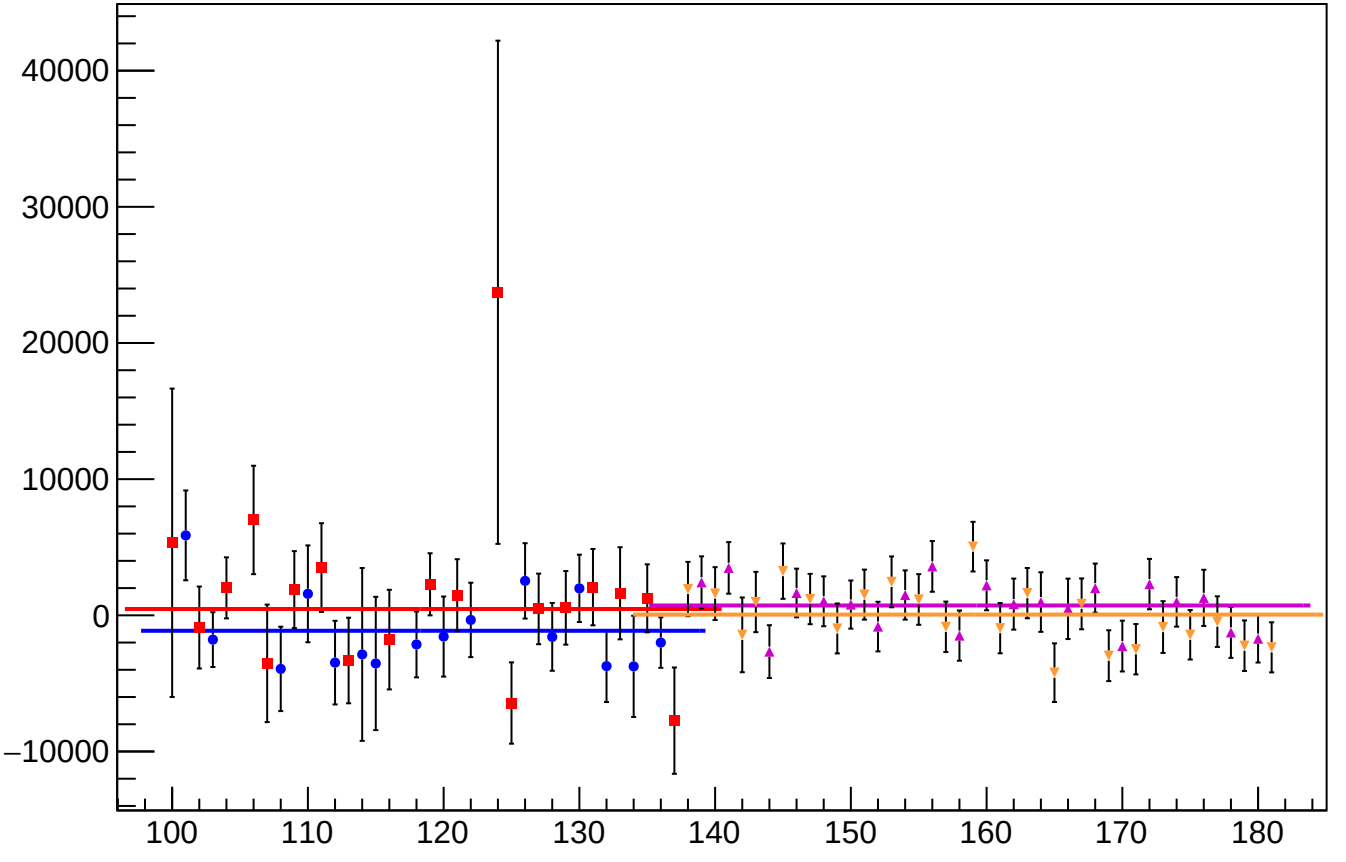
Left In: 3980.489+/-0.696 χ^2/NDF:1530216.6/20

\+ sign 3968.404+/-0.571 χ^2/NDF: 2034549.8/38

All: 2021.525+/-0.280 χ^2/NDF: 47080840.5/7

\- sign 1404.075+/-0.321 χ^2/NDF: 29708822.0/39

eigen_cor_asym_atl1r2_dd_mean vs Slug



Right In: -1134.203+/-693.782 χ^2/NDF: 12.2/15

Left Out: 54.105+/-399.209 χ^2/NDF:29.3/22

Right Out: 465.899+/-705.928 χ^2/NDF: 20.0/18

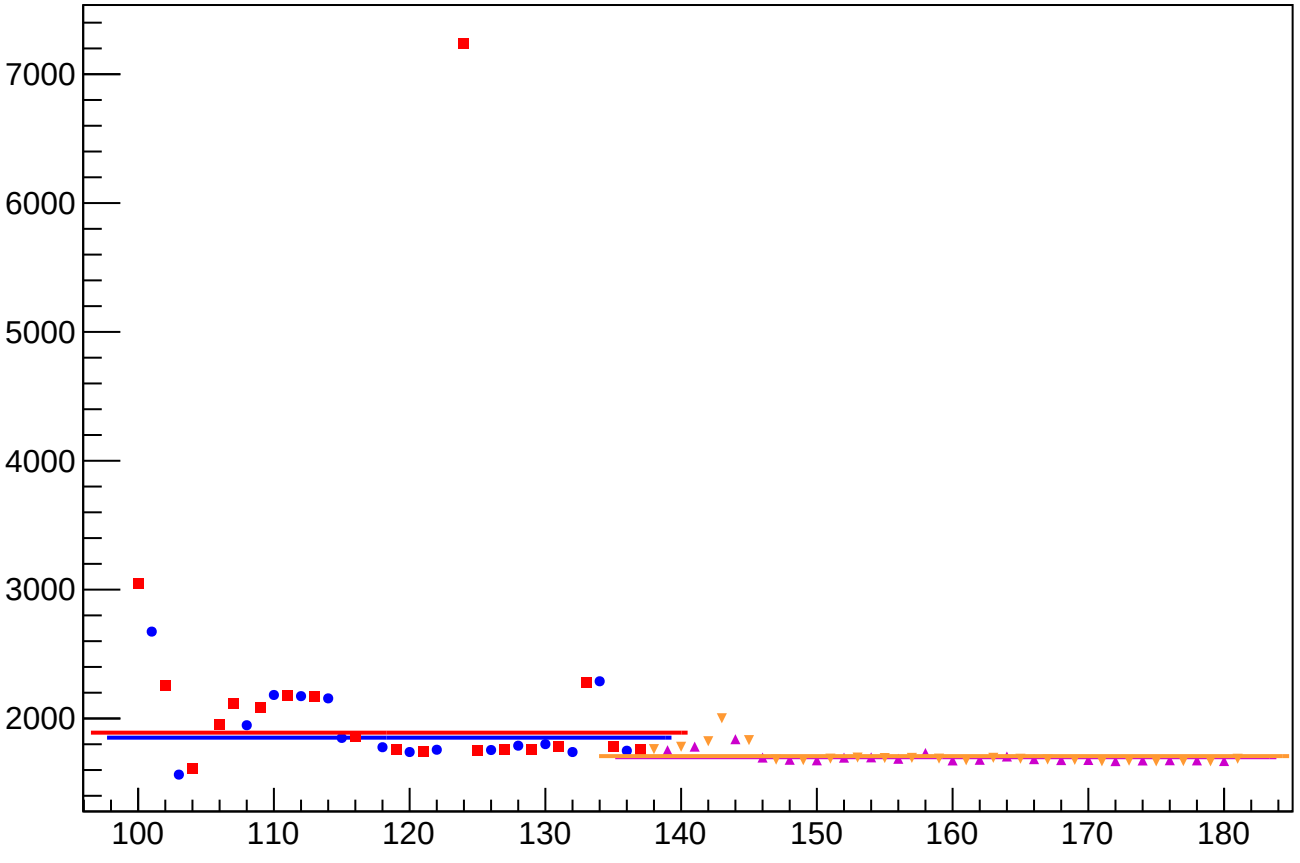
Left In: 722.499+/-409.217 χ^2/NDF:18.6/20

\+ sign -241.475+/-346.016 χ^2/NDF: 43.8/38

All: 197.942+/-247.456 χ^2/NDF: 85.8/78

\- sign 657.960+/-354.033 χ^2/NDF: 38.7/39

eigen_cor_asym_atl1r2_dd_rms vs Slug



Right In: 1851.131+/-0.491 χ^2/NDF: 259980.7/15

Left Out: 1707.900+/-0.282 χ^2/NDF:58783.1/22

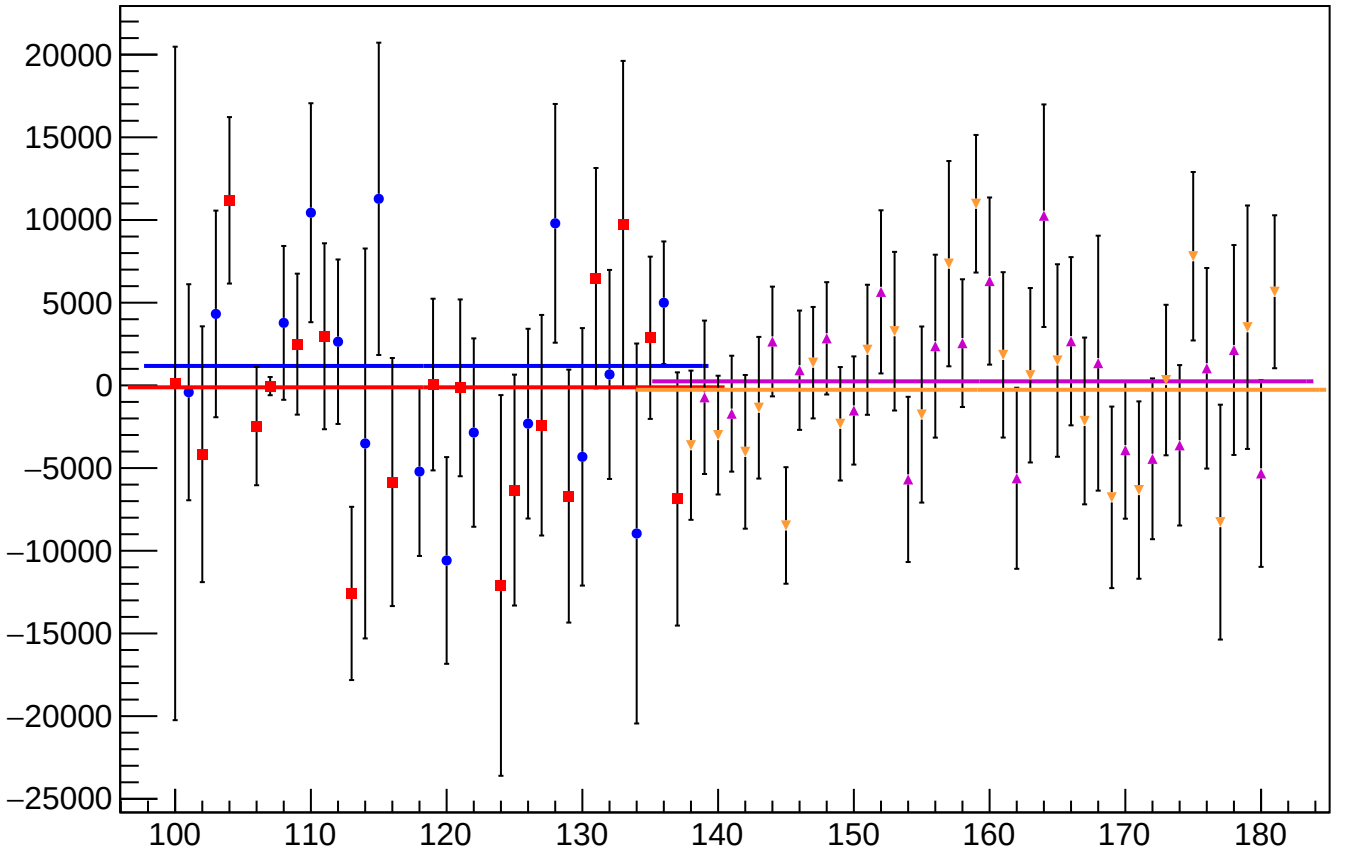
Right Out: 1889.986+/-0.498 χ^2/NDF: 359122.3/18

Left In: 1699.367+/-0.289 χ^2/NDF:20479.3/20

+ sign 1743.528+/-0.245 χ^2/NDF: 382802.8/38

All: 1745.450+/-0.175 χ^2/NDF: 872023.4/78

- sign 1747.461+/-0.250 χ^2/NDF: 489094.3/39



Right In: 1175.408+/-1502.134 χ^2/NDF: 13.7/15

Left Out: -266.283+/-956.560 χ^2/NDF:26.5/22

Right Out: -115.917+/-512.289 χ^2/NDF: 18.6/18

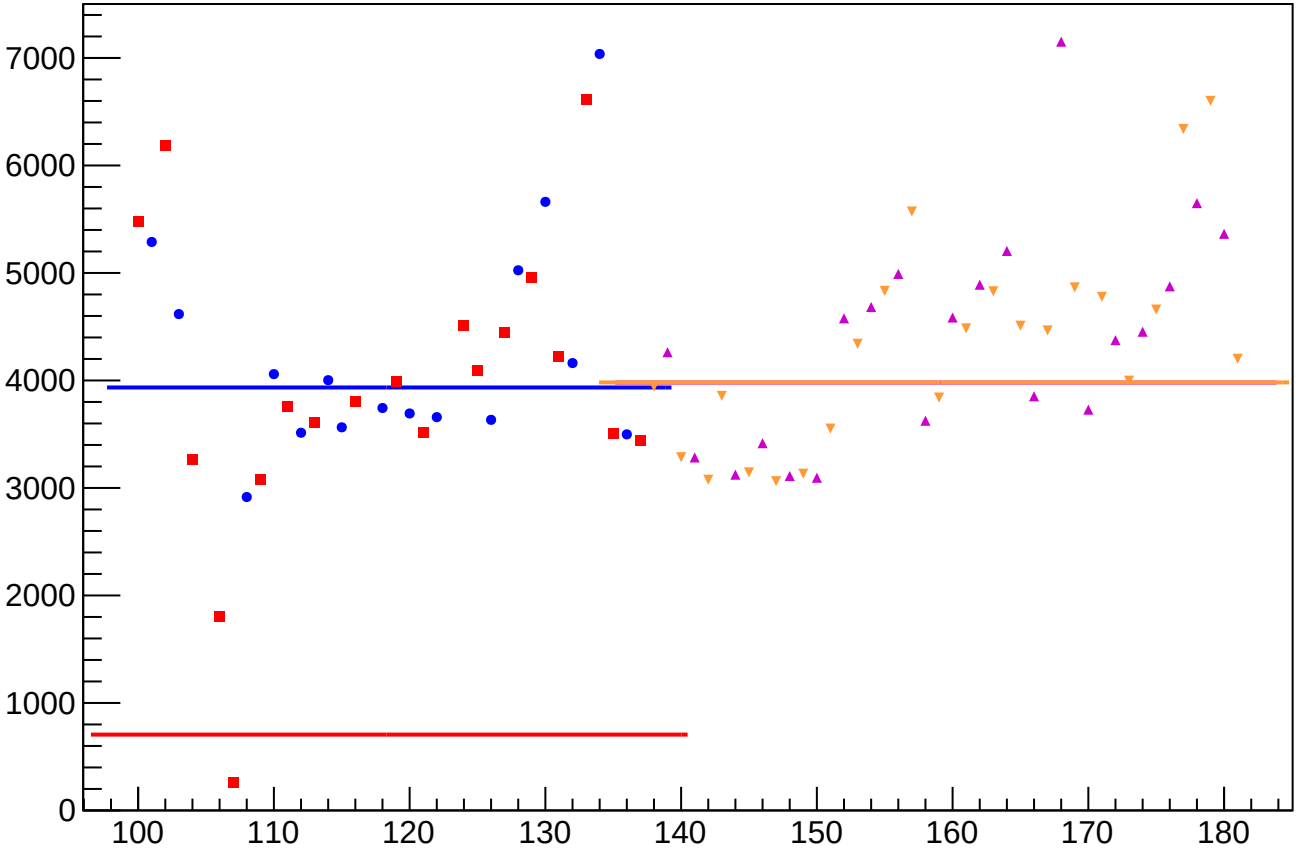
Left In: 245.760+/-983.906 χ^2/NDF:13.6/20

\+ sign 149.669+/-806.853 χ^2/NDF: 40.9/38

All: 6.596+/-395.921 χ^2/NDF: 73.2/78

\- sign -38.779+/-454.387 χ^2/NDF: 32.3/39

asym_atl1r2_dd_eigen_cor_correction_rms vs Slug



Right In: 3934.727+/-1.062 χ^2/NDF: 560149.8/15

Left Out: 3982.060+/-0.676 χ^2/NDF:1472987.1/22

Right Out: 705.620+/-0.362 χ^2/NDF: 10747208.1/18

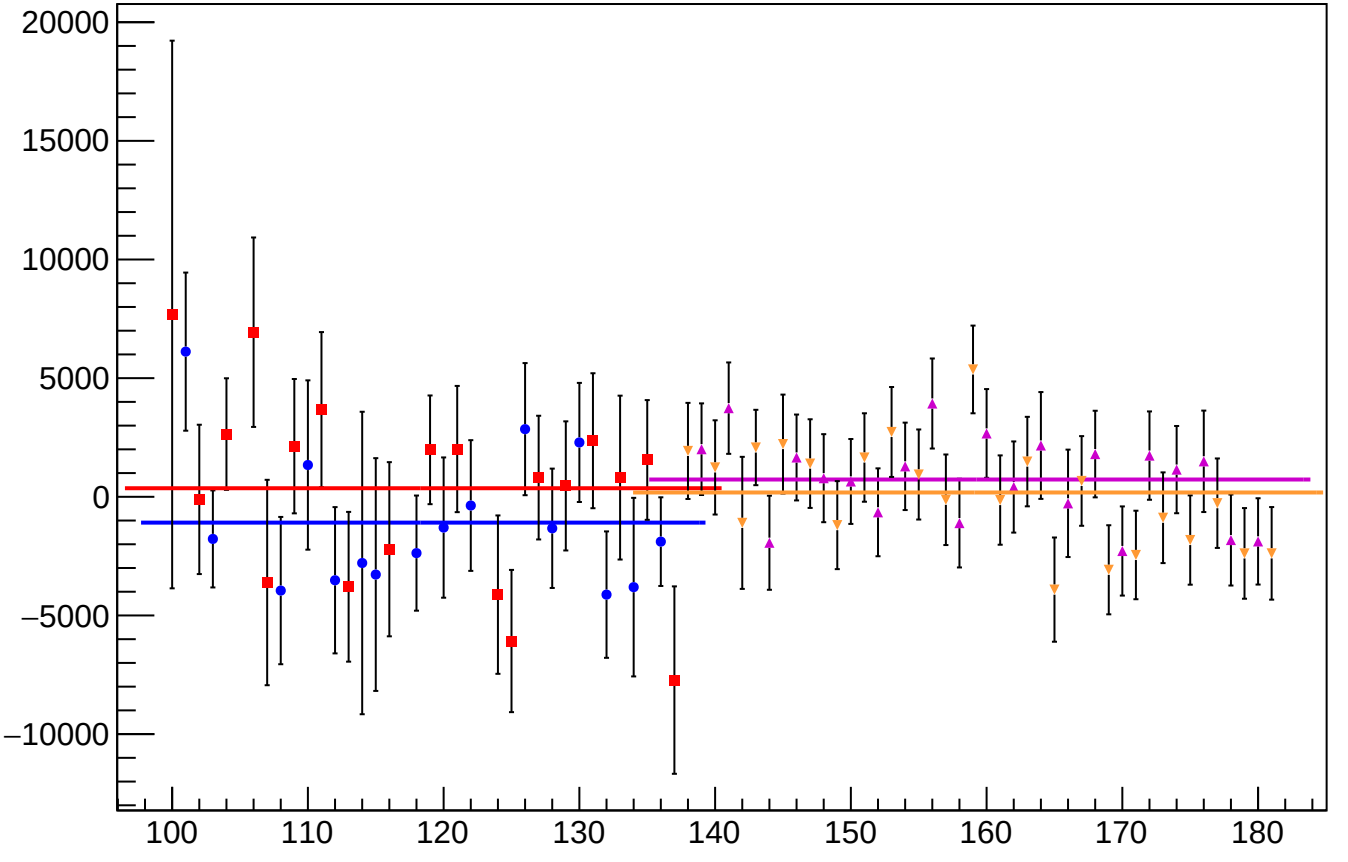
Left In: 3980.489+/-0.696 χ^2/NDF:1530216.6/20

+ sign 3968.404+/-0.571 χ^2/NDF: 2034549.8/38

All: 2021.525+/-0.280 χ^2/NDF: 47080840.5/7

- sign 1404.075+/-0.321 χ^2/NDF: 29708822.0/39

dit_asym_atl1r2_dd_mean vs Slug



Right In: -1087.731+/-699.579 χ^2/NDF: 13.2/15

Left Out: 182.074+/-400.361 χ^2/NDF:29.2/22

Right Out: 361.218+/-699.665 χ^2/NDF: 20.8/18

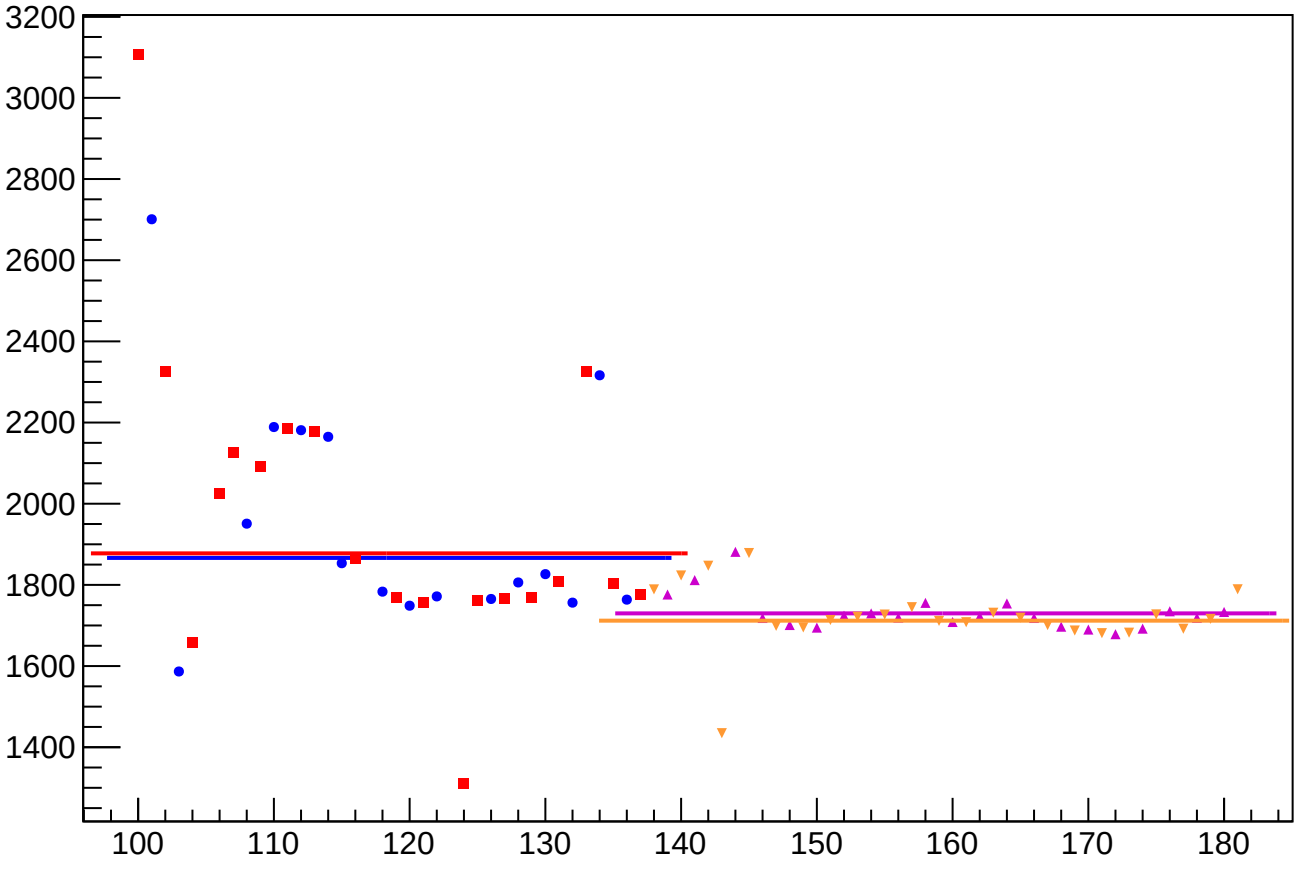
Left In: 728.778+/-416.589 χ^2/NDF:18.3/20

+ sign -131.203+/-347.482 χ^2/NDF: 44.8/38

All: 239.362+/-249.324 χ^2/NDF: 86.5/78

- sign 632.577+/-357.945 χ^2/NDF: 39.4/39

dit_asym_atl1r2_dd_rms vs Slug



Right In: 1866.456+/-0.495 χ^2/NDF: 256262.4/15

Left Out: 1711.857+/-0.283 χ^2/NDF:93891.1/22

Right Out: 1877.659+/-0.494 χ^2/NDF: 251850.5/18

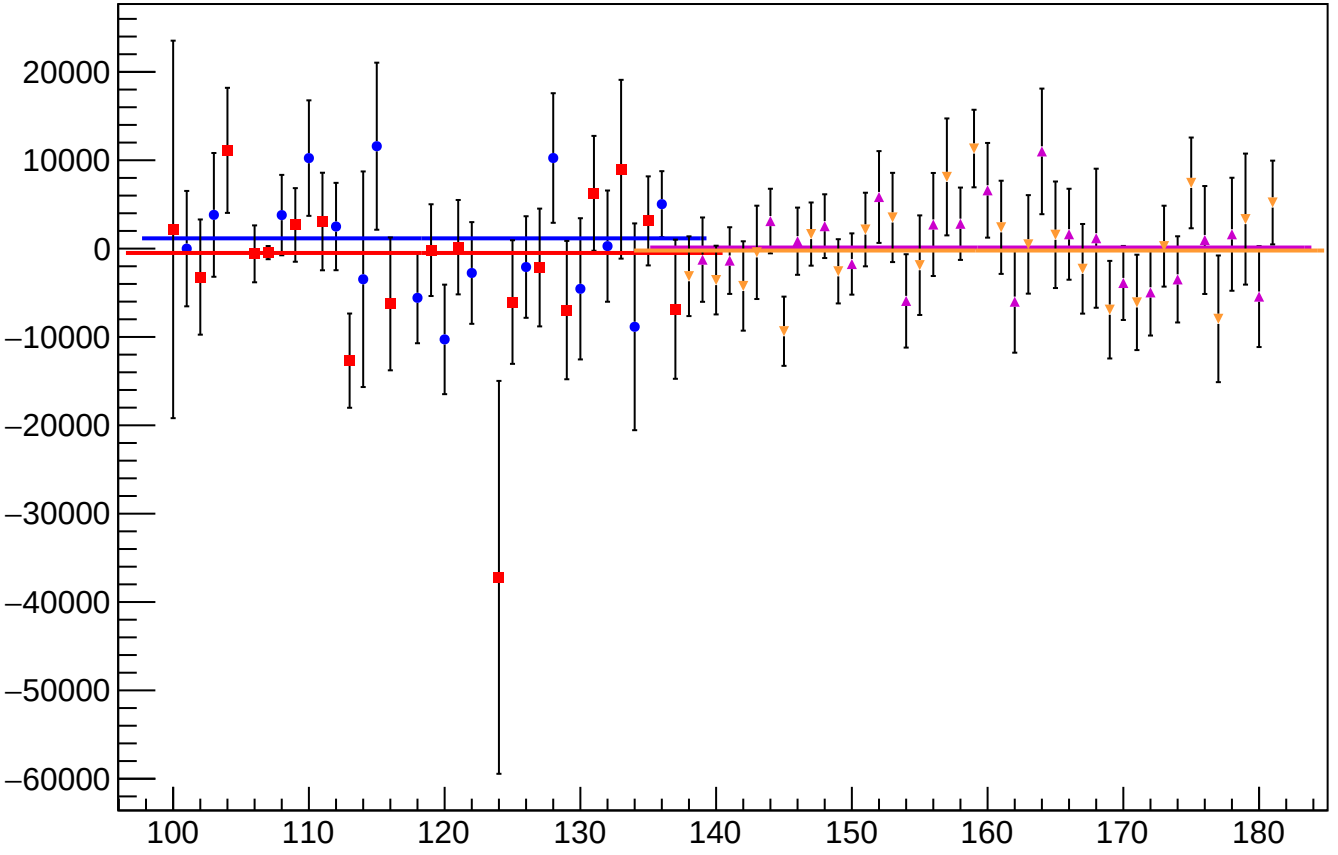
Left In: 1729.808+/-0.295 χ^2/NDF:22833.1/20

+ sign 1749.999+/-0.246 χ^2/NDF: 423727.9/38

All: 1759.002+/-0.176 χ^2/NDF: 767193.7/78

- sign 1768.552+/-0.253 χ^2/NDF: 340699.0/39

asym_atl1r2_dd_dit_correction_mean vs Slug



Right In: 1161.124+/-1512.225 χ^2/NDF: 13.7/15

Left Out: -217.423+/-1009.225 χ^2/NDF:25.5/22

Right Out: -492.907+/-658.510 χ^2/NDF: 16.9/18

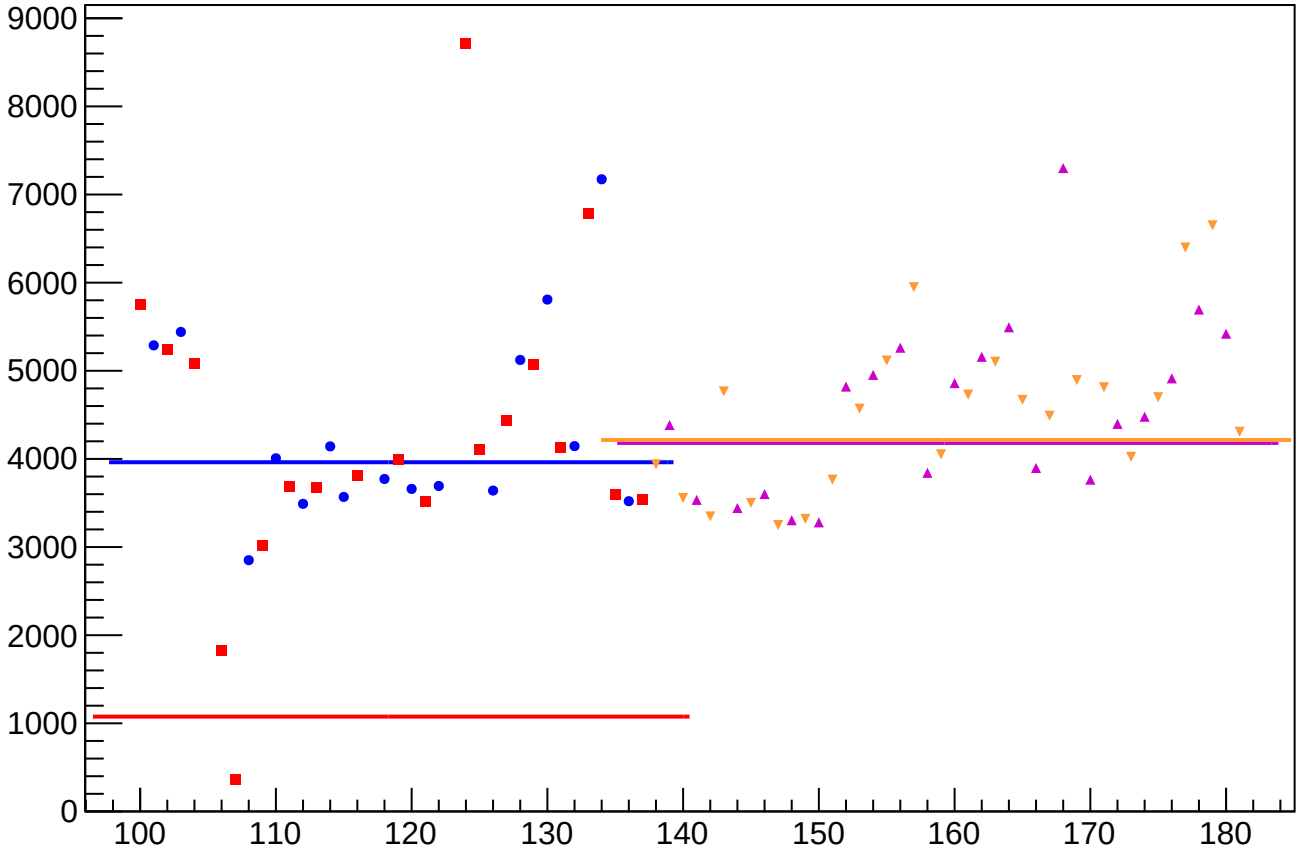
Left In: 123.054+/-1030.704 χ^2/NDF:13.4/20

+ sign 207.371+/-839.451 χ^2/NDF: 39.7/38

All: -155.701+/-462.919 χ^2/NDF: 70.6/78

- sign -314.361+/-554.923 χ^2/NDF: 30.6/39

asym_atl1r2_dd_dit_correction_rms vs Slug



Right In: 3962.368+/-1.069 χ^2/NDF: 668339.6/15

Left Out: 4214.443+/-0.714 χ^2/NDF:1269099.7/22

Right Out: 1075.957+/-0.466 χ^2/NDF: 9558372.9/18

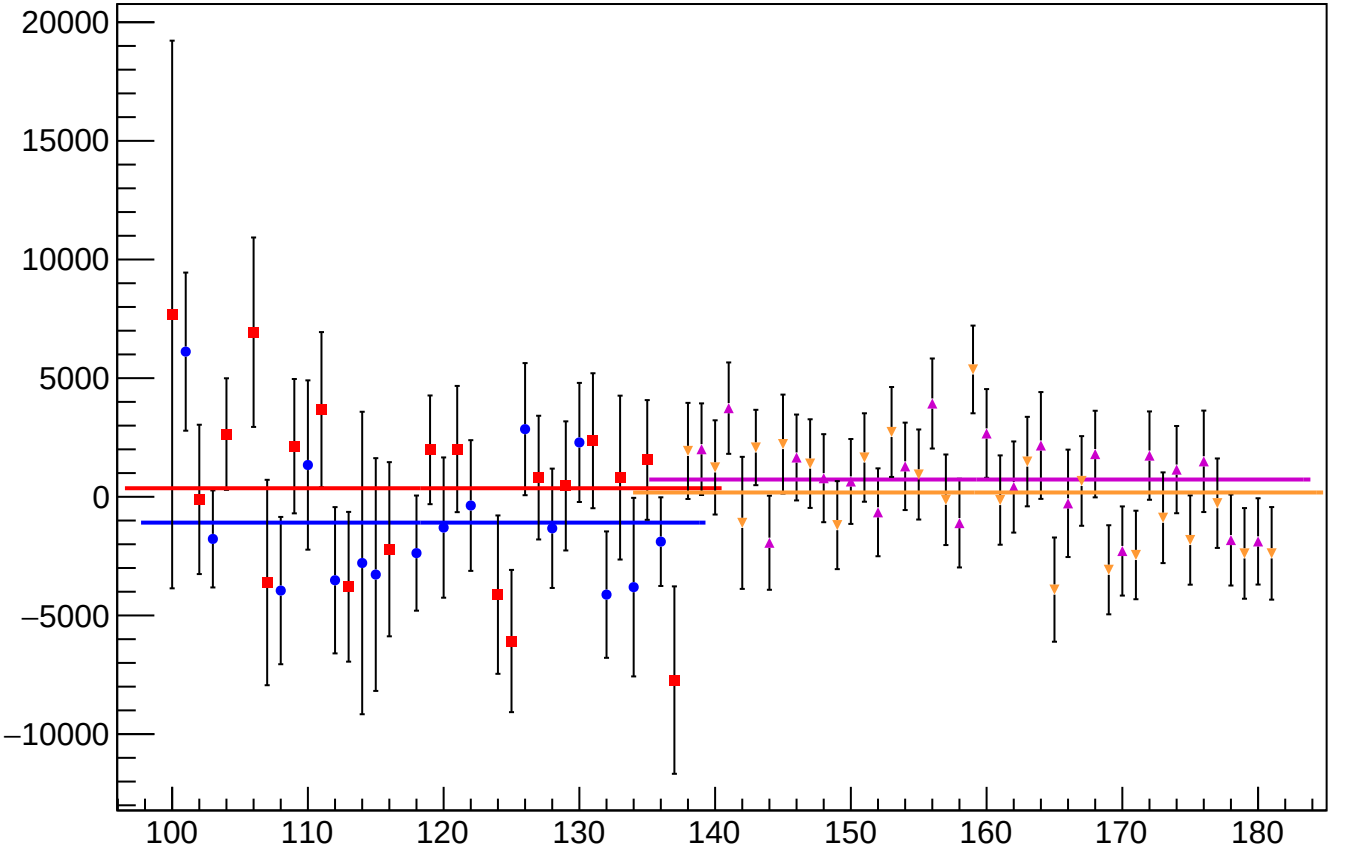
Left In: 4181.421+/-0.729 χ^2/NDF:1342784.0/20

+ sign 4136.767+/-0.594 χ^2/NDF: 1975887.1/38

All: 2633.182+/-0.327 χ^2/NDF: 34990478.5/7

- sign 1976.125+/-0.392 χ^2/NDF: 23794183.9/39

eigen_dit_asym_atl1r2_dd_mean vs Slug



Right In: -1087.736+/-699.579 χ^2/NDF: 13.2/15

Left Out: 182.077+/-400.361 χ^2/NDF:29.2/22

Right Out: 361.223+/-699.665 χ^2/NDF: 20.8/18

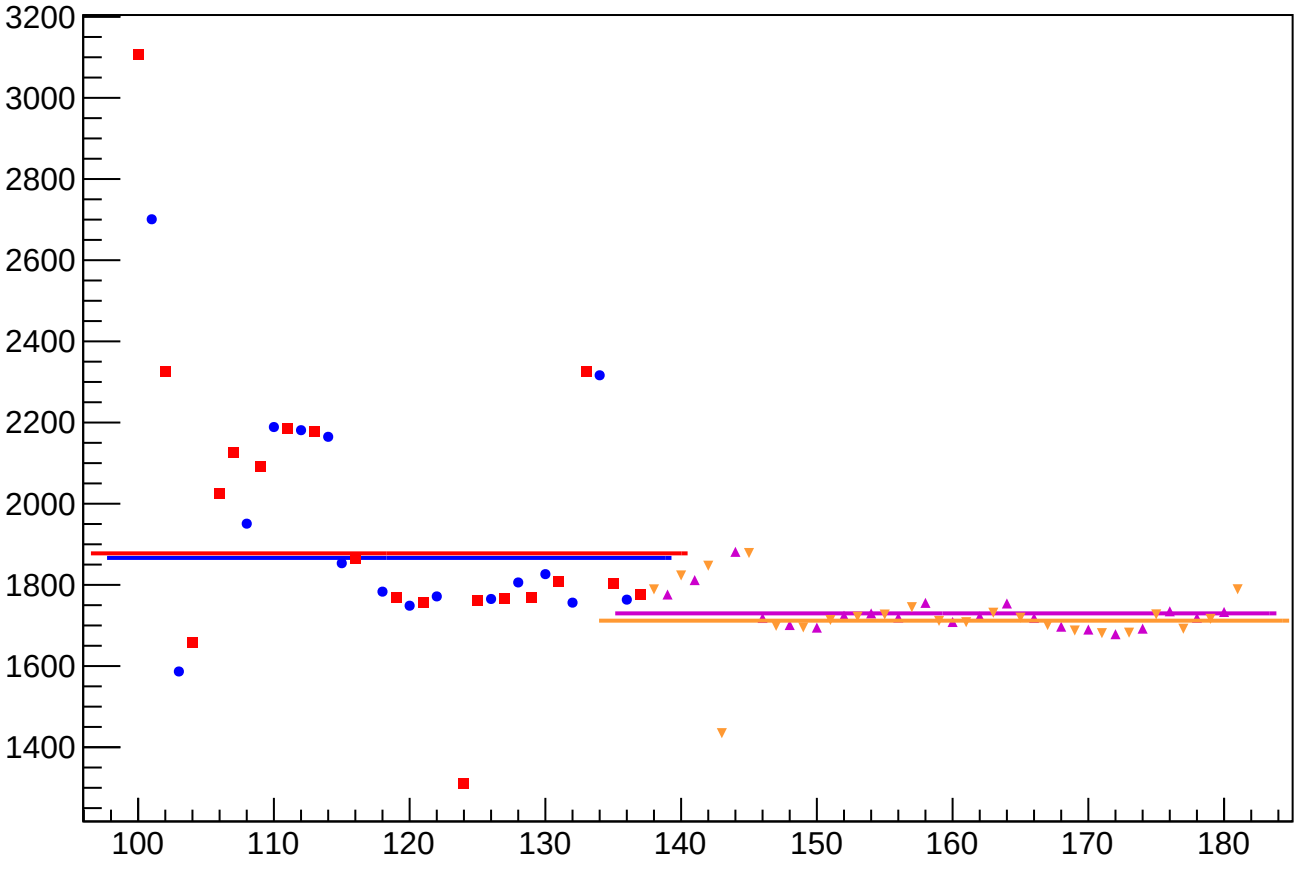
Left In: 728.778+/-416.589 χ^2/NDF:18.3/20

+ sign -131.202+/-347.482 χ^2/NDF: 44.8/38

All: 239.362+/-249.324 χ^2/NDF: 86.5/78

- sign 632.578+/-357.945 χ^2/NDF: 39.4/39

eigen_dit_asym_atl1r2_dd_rms vs Slug



Right In: 1866.456+/-0.495 χ^2/NDF: 256262.3/15

Left Out: 1711.858+/-0.283 χ^2/NDF:93890.2/22

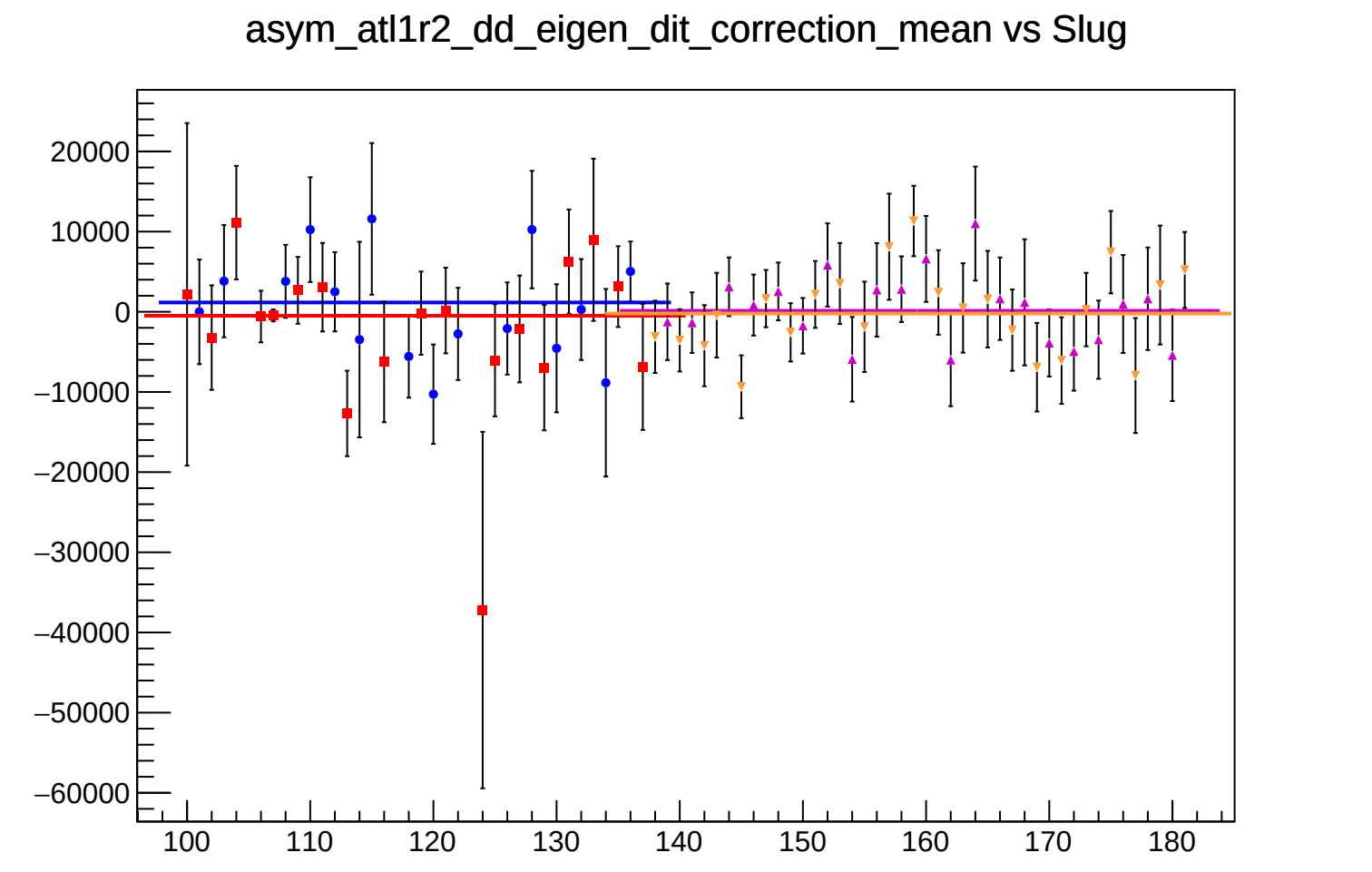
Right Out: 1877.659+/-0.494 χ^2/NDF: 251850.8/18

Left In: 1729.808+/-0.295 χ^2/NDF:22833.1/20

+ sign 1749.999+/-0.246 χ^2/NDF: 423726.1/38

All: 1759.003+/-0.176 χ^2/NDF: 767191.7/78

- sign 1768.552+/-0.253 χ^2/NDF: 340698.8/39



Right In: 1161.104+/-1512.222 χ^2/NDF: 13.7/15

Left Out: -217.424+/-1009.227 χ^2/NDF:25.5/22

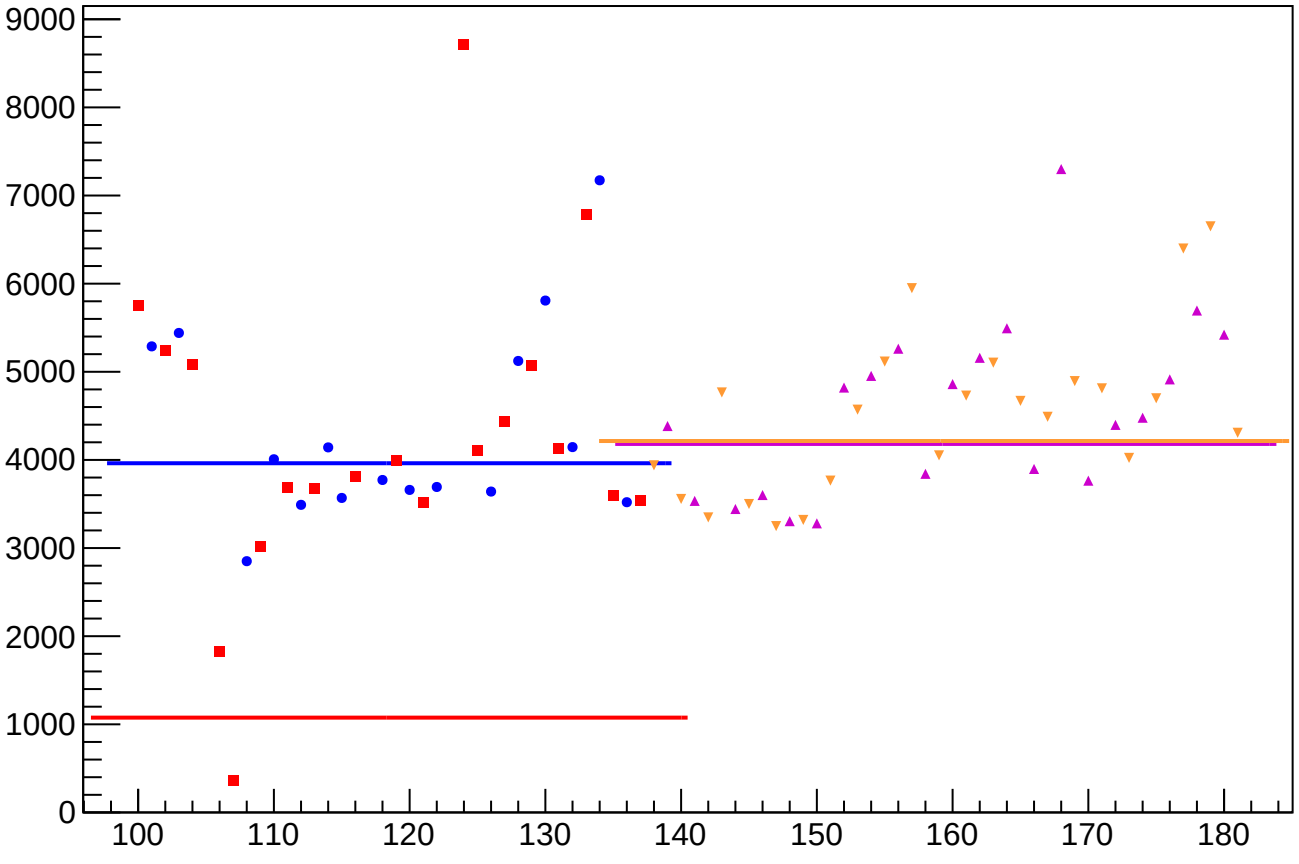
Right Out: -492.914+/-658.521 χ^2/NDF: 16.9/18

Left In: 123.053+/-1030.706 χ^2/NDF:13.4/20

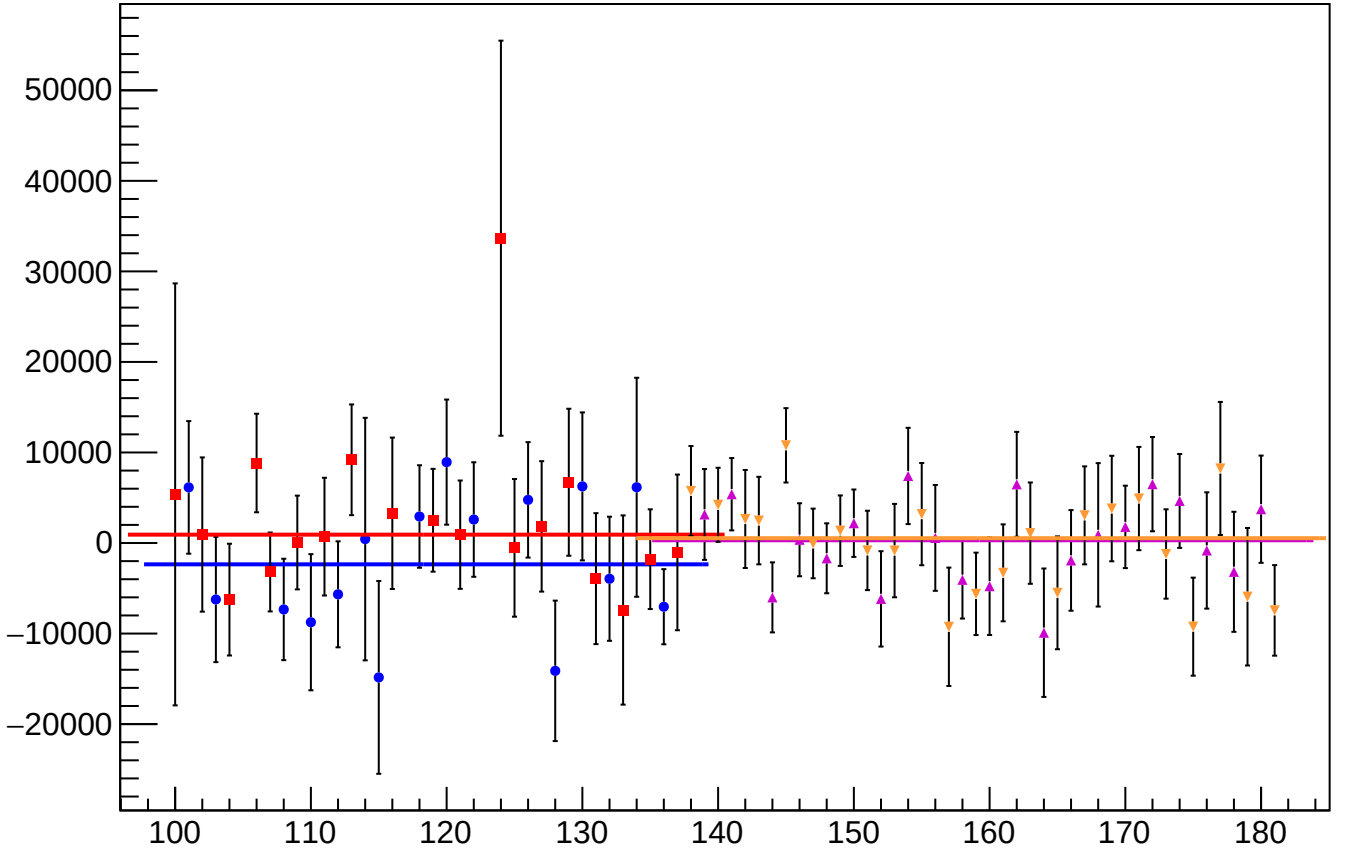
\+ sign 207.367+/-839.451 χ^2/NDF: 39.7/38

All: -155.701+/-462.923 χ^2/NDF: 70.6/78

\- sign -314.362+/-554.930 χ^2/NDF: 30.6/39


asym_atl1r2_dd_eigen_dit_correction_rms vs Slug
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
100
110
120
130
140
150
160
170
180
Right In: 3962.361+/-1.069 χ²/NDF: 668335.9/15
Left Out: 4214.449+/-0.714 χ²/NDF:1269102.0/22
Right Out: 1075.988+/-0.466 χ²/NDF: 9558243.3/18
Left In: 4181.427+/-0.729 χ²/NDF:1342789.0/20
+ sign 4136.768+/-0.594 χ²/NDF: 1975889.5/38
All: 2633.223+/-0.327 χ²/NDF: 34989578.1/7
- sign 1976.168+/-0.392 χ²/NDF: 23793703.8/39

asym_atl1r2_dd_mean vs Slug



Right In: -2354.851+/-1684.784 χ^2/NDF: 15.5/15

Left Out: 532.104+/-1053.578 χ^2/NDF:23.3/22

Right Out: 924.896+/-1546.889 χ^2/NDF: 10.6/18

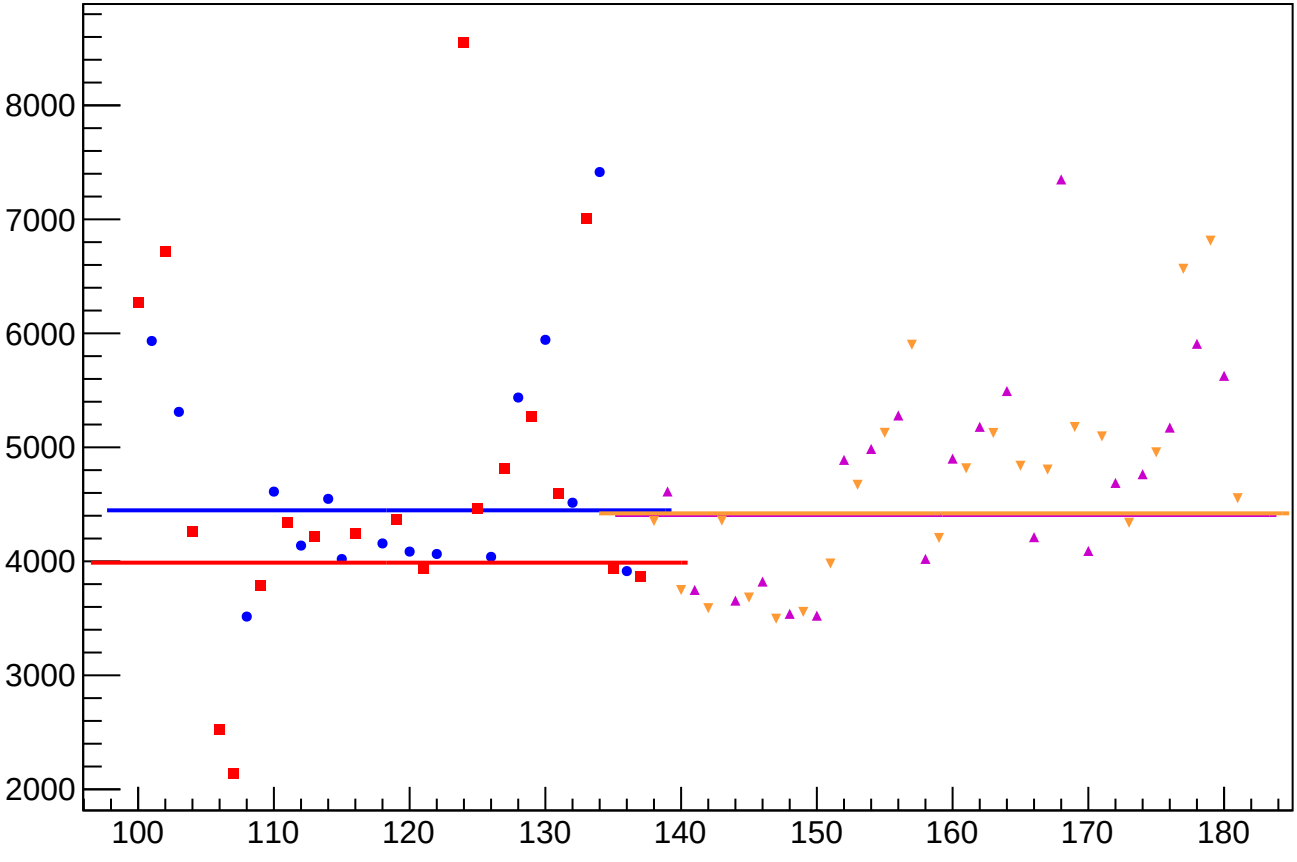
Left In: 304.984+/-1081.214 χ^2/NDF:16.6/20

+ sign -279.489+/-893.292 χ^2/NDF: 41.0/38

All: 117.617+/-629.130 χ^2/NDF: 68.7/78

- sign 508.441+/-886.198 χ^2/NDF: 27.3/39

asym_atl1r2_dd_rms vs Slug



Right In: 4447.424+/-1.191 χ^2/NDF: 458251.2/15

Left Out: 4420.820+/-0.745 χ^2/NDF:1057825.2/22

Right Out: 3988.249+/-1.083 χ^2/NDF: 1143932.4/18

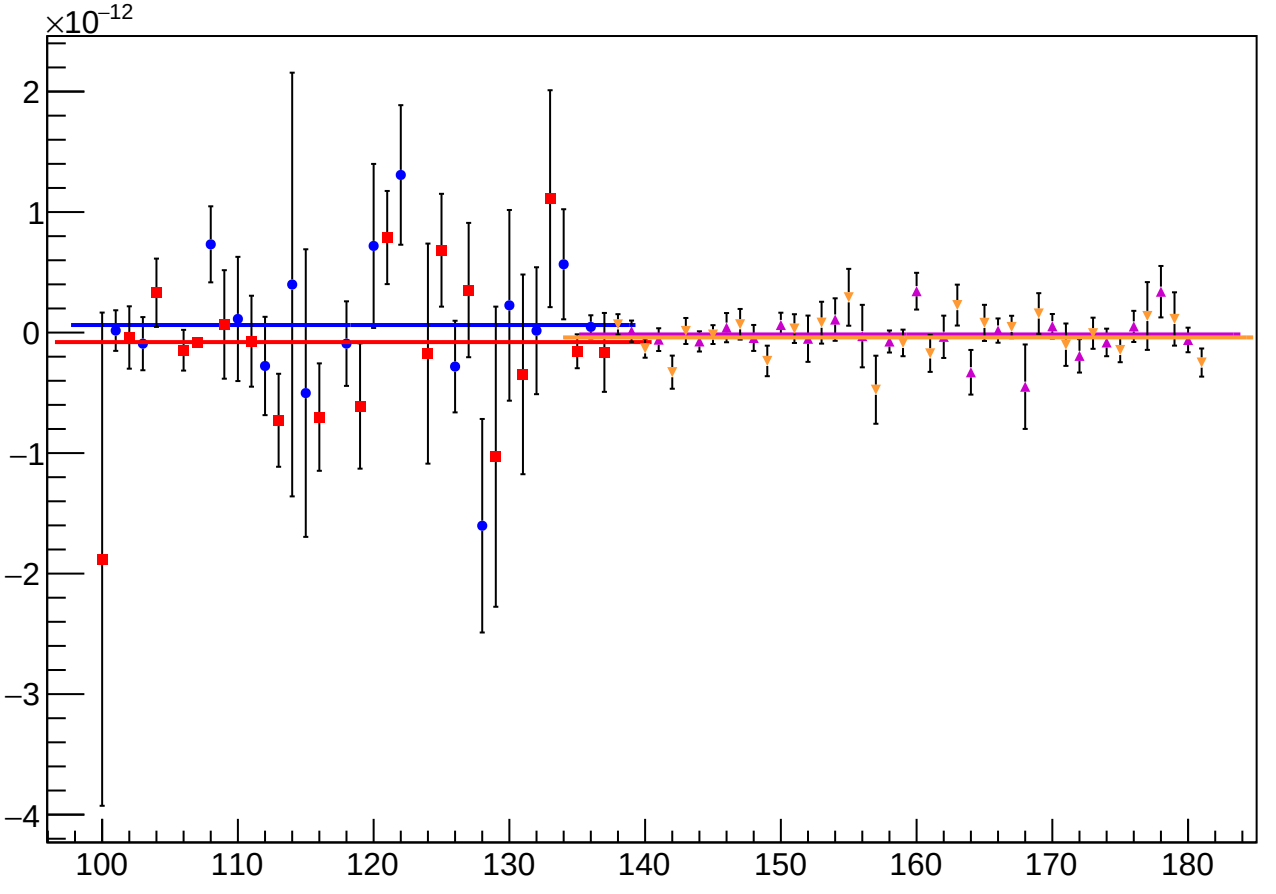
Left In: 4406.321+/-0.765 χ^2/NDF:1108955.6/20

+ sign 4428.299+/-0.632 χ^2/NDF: 1516434.9/38

All: 4346.875+/-0.444 χ^2/NDF: 3901646.1/78

- sign 4267.265+/-0.625 χ^2/NDF: 2352347.9/39

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:27.7/22

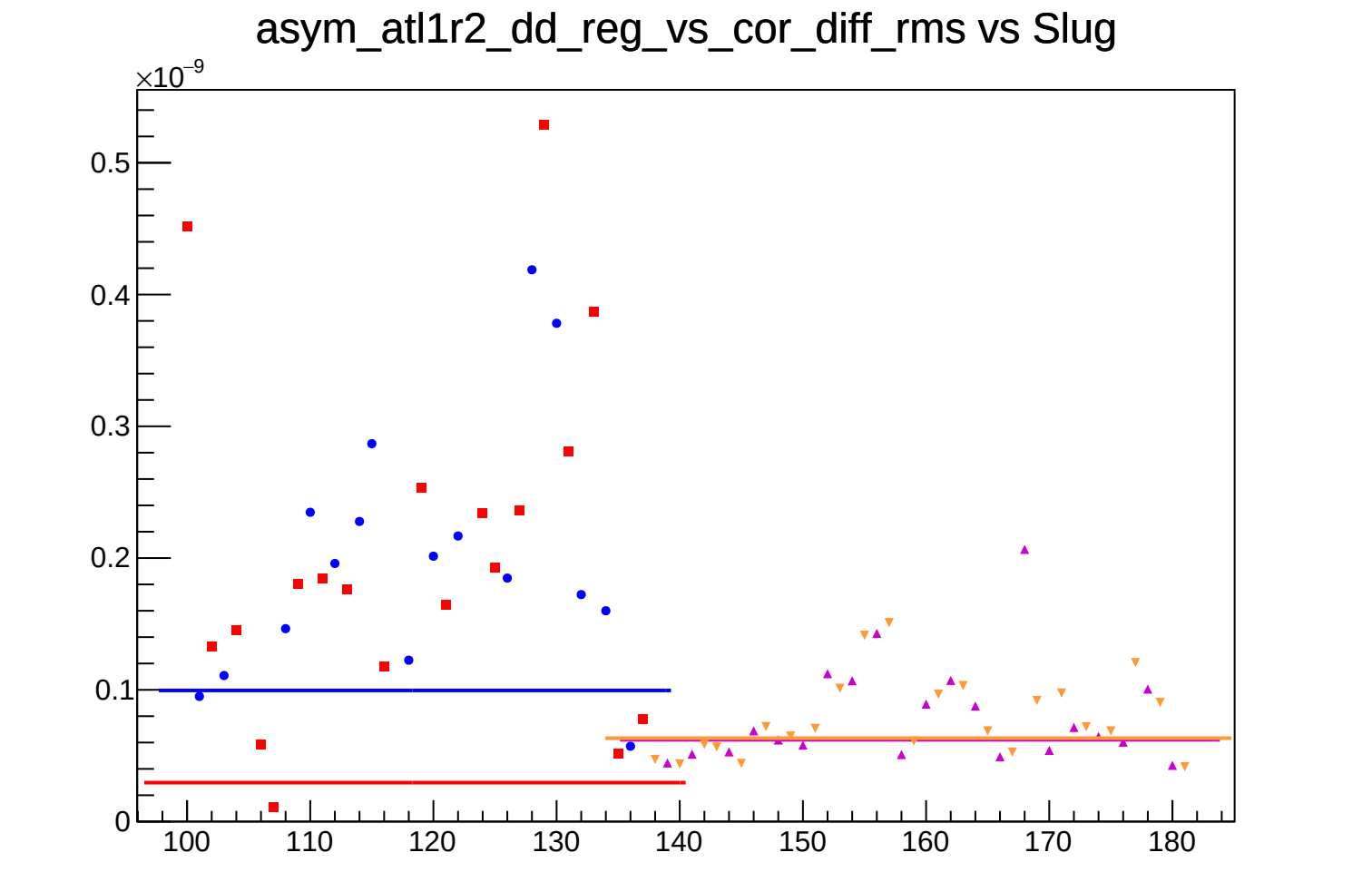
Right Out: -0.000+/-0.000 χ^2/NDF: 20.1/18

Left In: -0.000+/-0.000 χ^2/NDF:18.3/20

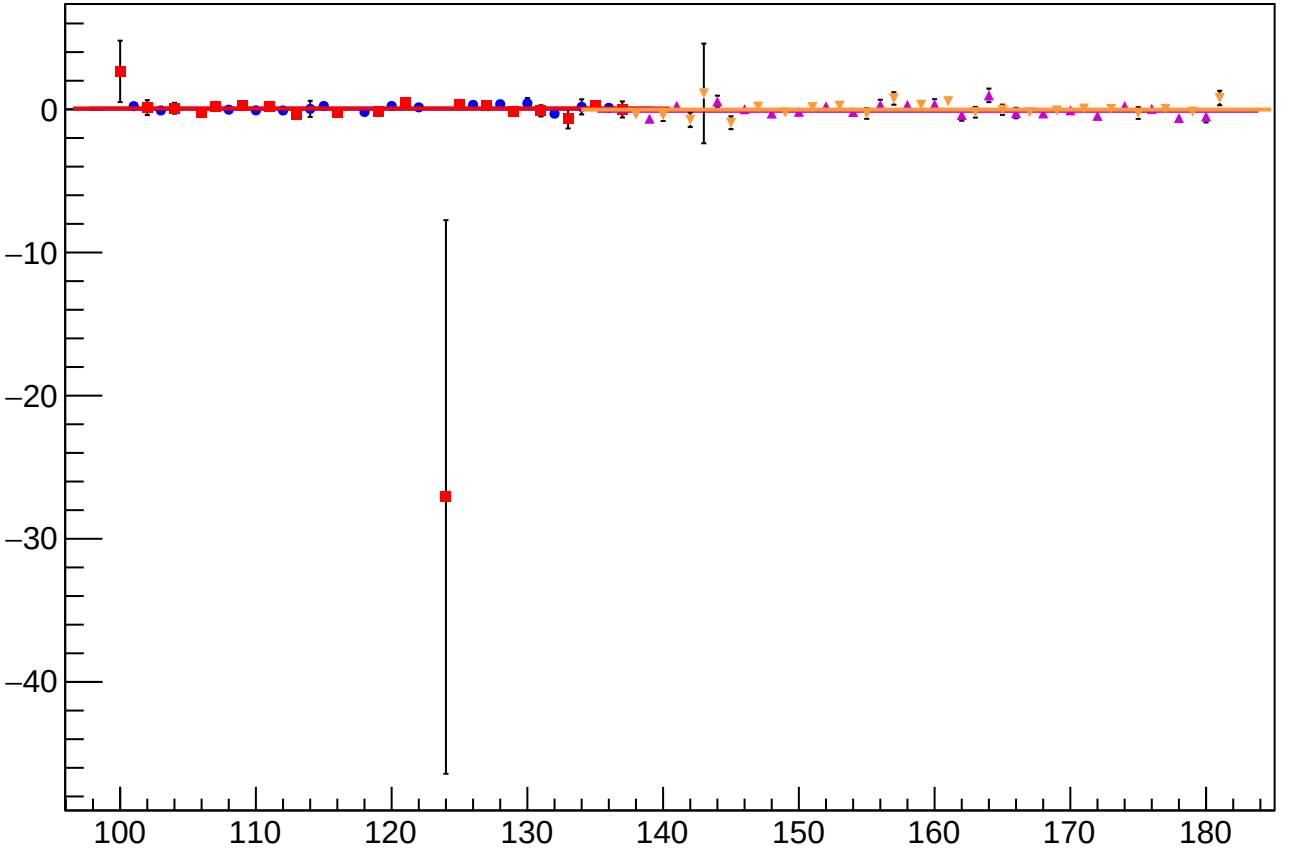
+ sign -0.000+/-0.000 χ^2/NDF: 47.1/38

All: -0.000+/-0.000 χ^2/NDF: 87.8/78

- sign -0.000+/-0.000 χ^2/NDF: 40.6/39


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:1415739.3/22
Right Out: 0.000+/-0.000 χ²/NDF: 4363474.8/18
Left In: 0.000+/-0.000 χ²/NDF:1394267.1/20
+ sign 0.000+/-0.000 χ²/NDF: 3473402.4/38
All: 0.000+/-0.000 χ²/NDF: 11073358.6/78
- sign 0.000+/-0.000 χ²/NDF: 6934580.0/39

asym_atl1r2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.048+/-0.066 χ^2/NDF: 7.6/15

Left Out: -0.015+/-0.063 χ^2/NDF:22.6/22

Right Out: 0.061+/-0.064 χ^2/NDF: 18.4/18

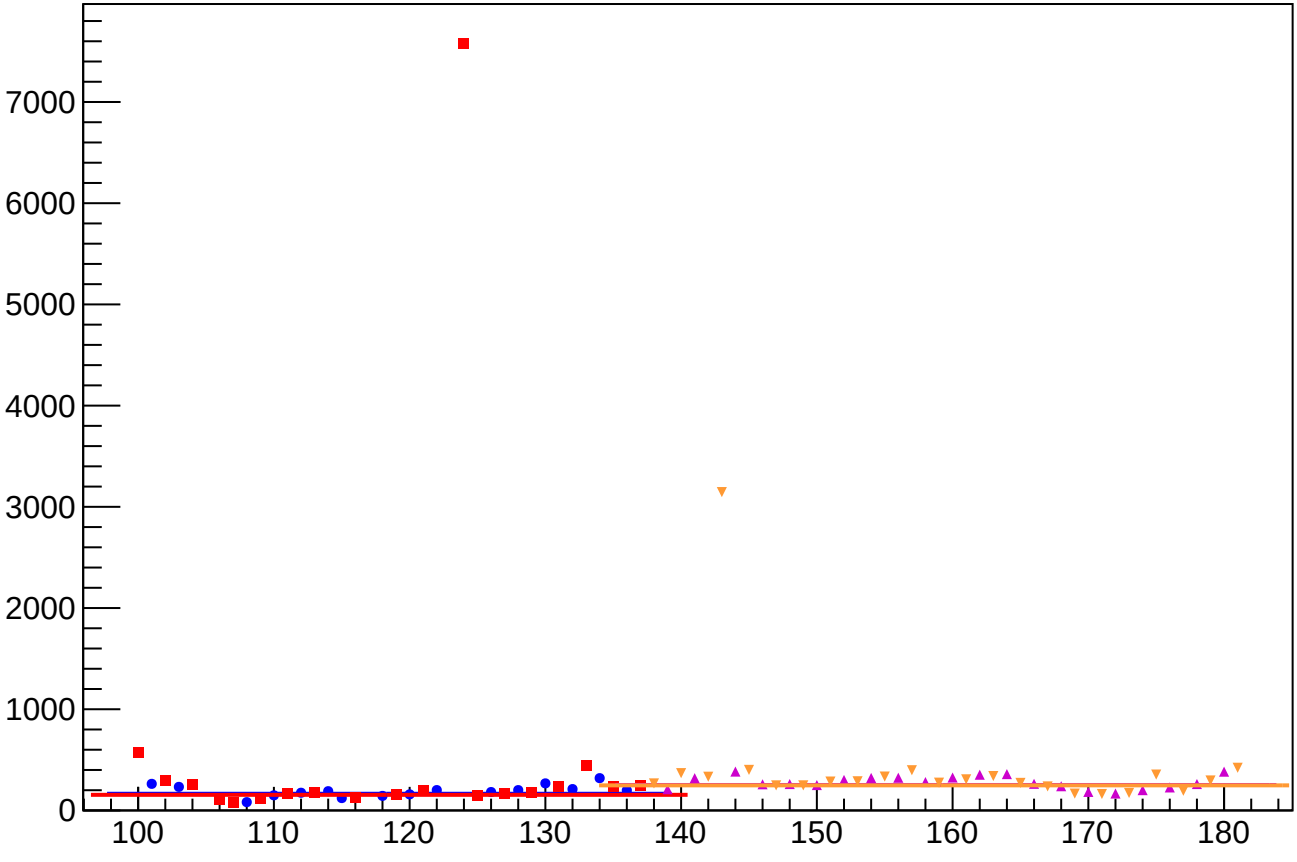
Left In: -0.102+/-0.064 χ^2/NDF:31.0/20

+ sign 0.015+/-0.046 χ^2/NDF: 30.7/38

All: -0.003+/-0.032 χ^2/NDF: 83.7/78

- sign -0.021+/-0.045 χ^2/NDF: 52.7/39

asym_atl1r2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 164.862+/-0.047 χ^2/NDF: 1474718.1/15

Left Out: 248.015+/-0.044 χ^2/NDF:4068404.4/22

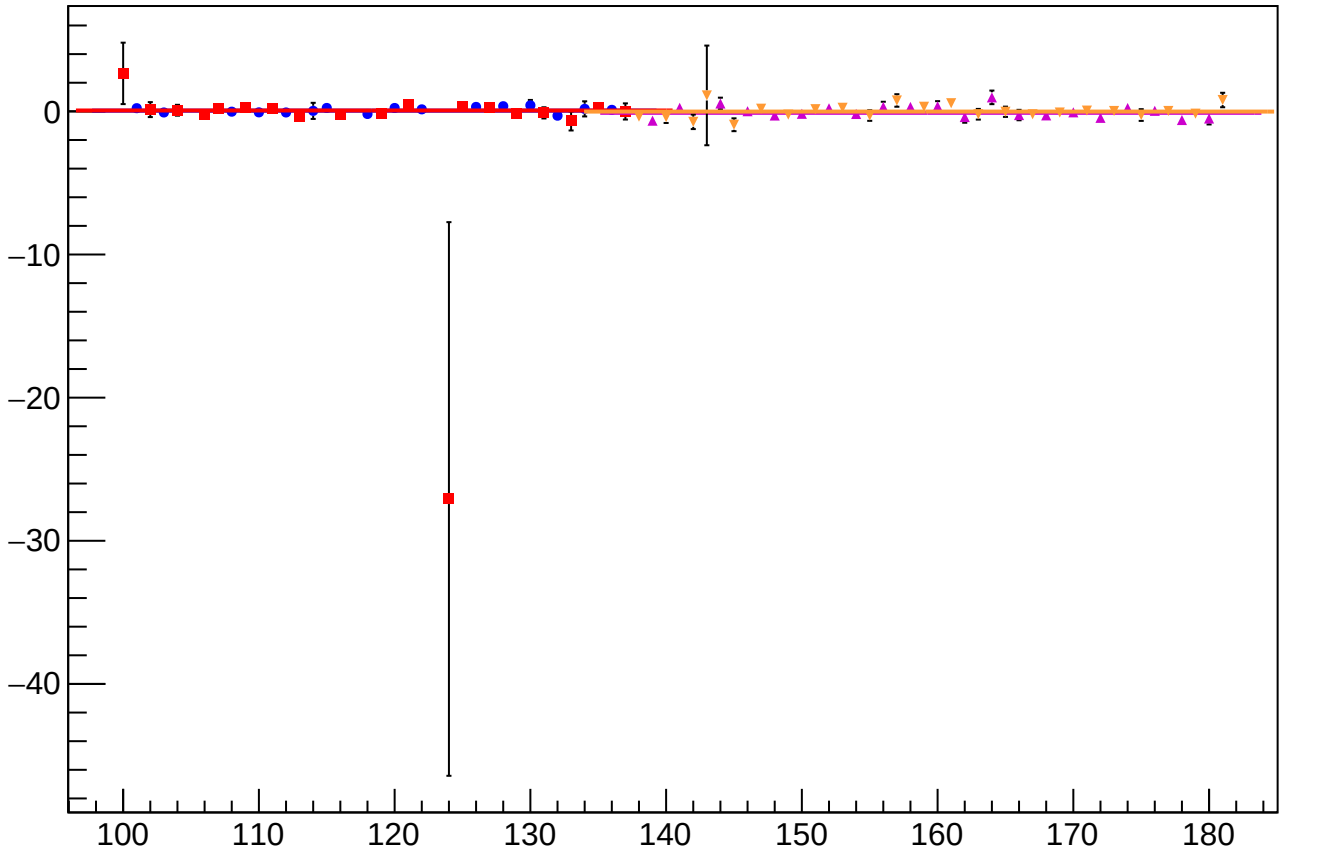
Right Out: 154.388+/-0.046 χ^2/NDF: 1921322.6/18

Left In: 251.670+/-0.045 χ^2/NDF:1842584.6/20

+ sign 208.725+/-0.032 χ^2/NDF: 7197300.9/38

All: 206.081+/-0.023 χ^2/NDF: 13277026.3/78

- sign 203.473+/-0.032 χ^2/NDF: 6066398.0/39



Right In: 0.048+/-0.066 χ^2/NDF: 7.6/15

Left Out: -0.015+/-0.063 χ^2/NDF:22.6/22

Right Out: 0.061+/-0.064 χ^2/NDF: 18.4/18

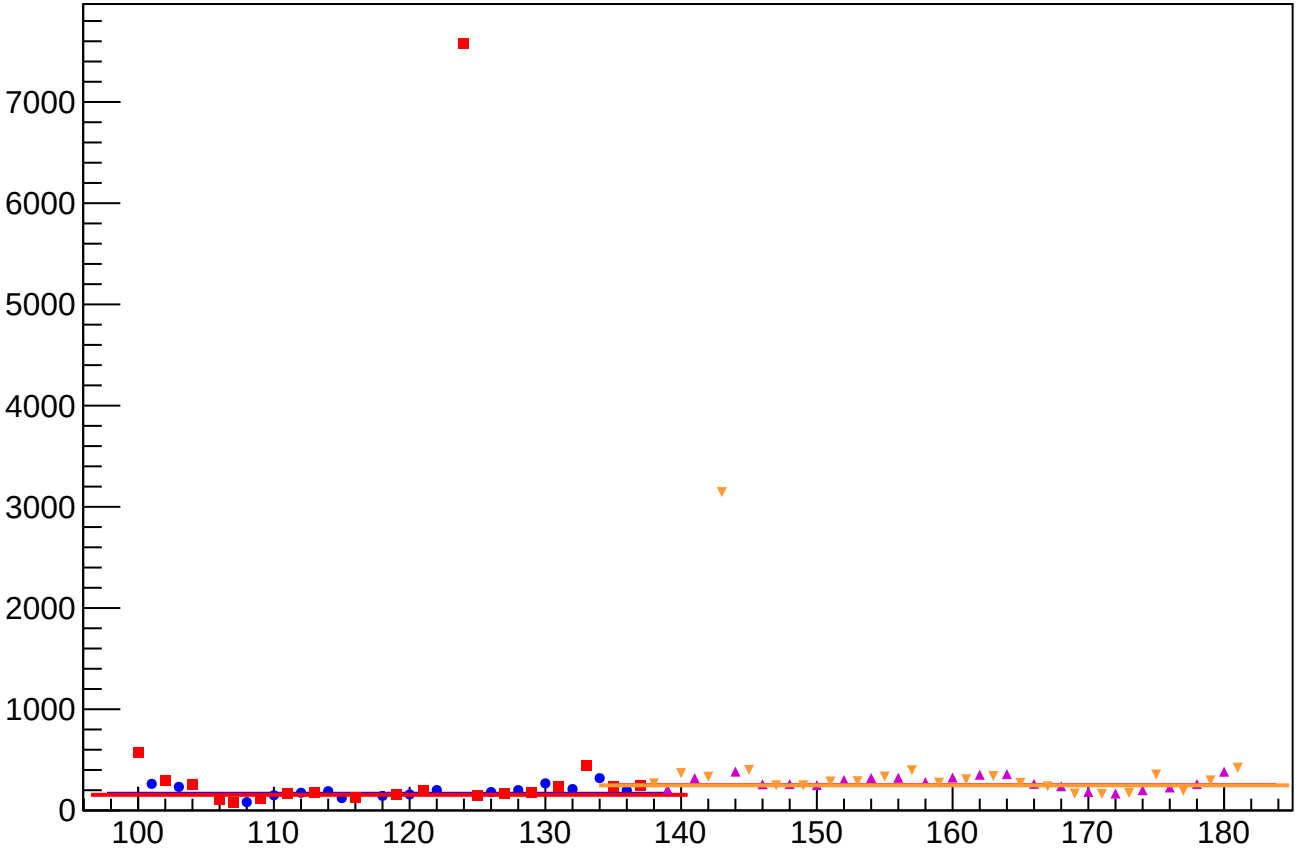
Left In: -0.102+/-0.064 χ^2/NDF:31.0/20

+ sign 0.015+/-0.046 χ^2/NDF: 30.7/38

All: -0.003+/-0.032 χ^2/NDF: 83.7/78

- sign -0.021+/-0.045 χ^2/NDF: 52.7/39

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: 248.015+/-0.044 χ^2/NDF:4068404.4/22

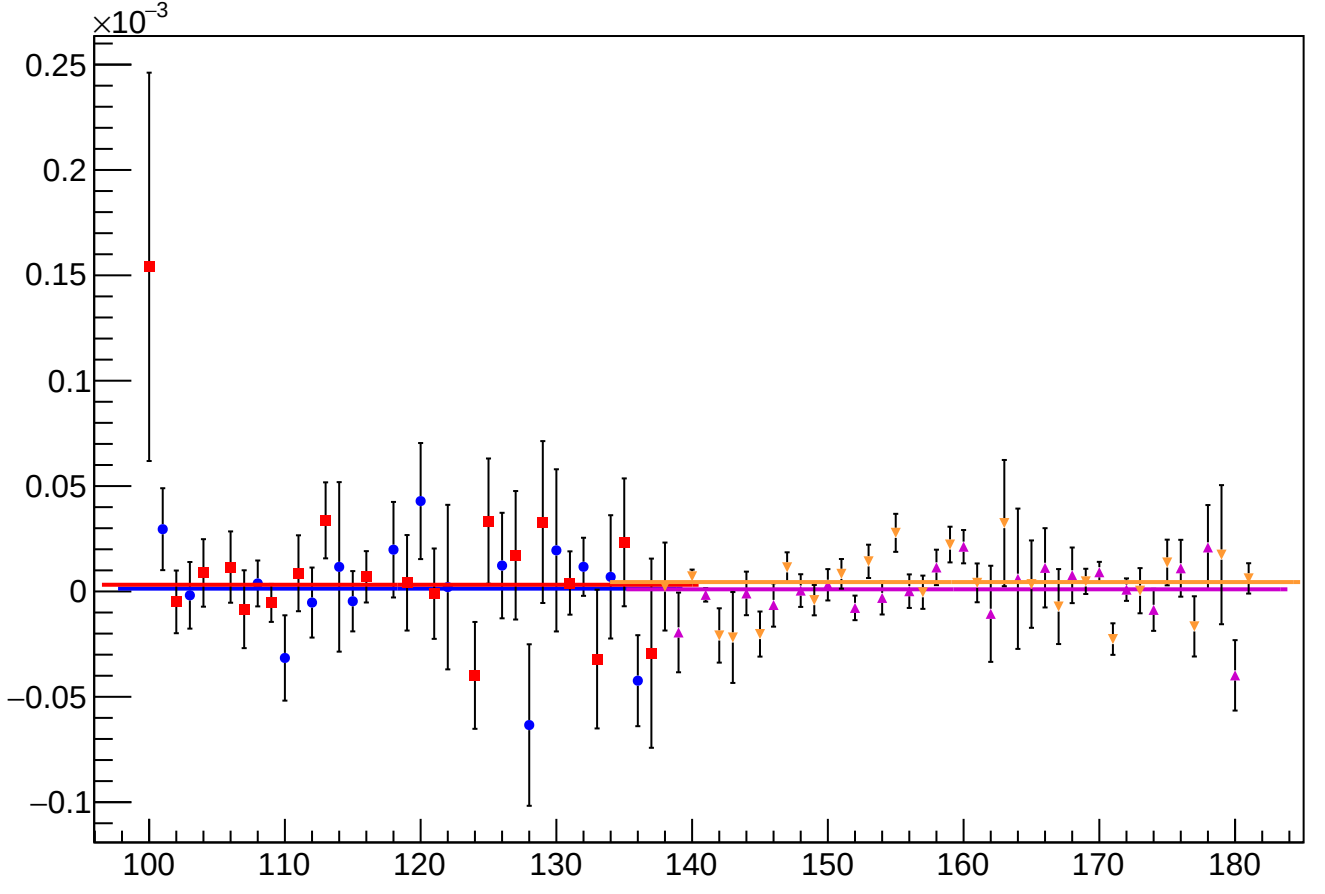
Right Out: 154.388+/-0.046 χ^2/NDF: 1921322.6/18

Left In: 251.670+/-0.045 χ^2/NDF:1842584.6/20

+ sign 208.725+/-0.032 χ^2/NDF: 7197300.9/38

All: 206.081+/-0.023 χ^2/NDF: 13277026.3/78

- sign 203.473+/-0.032 χ^2/NDF: 6066398.0/39



Right In: 0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:44.7/22

Right Out: 0.000+/-0.000 χ^2/NDF: 14.6/18

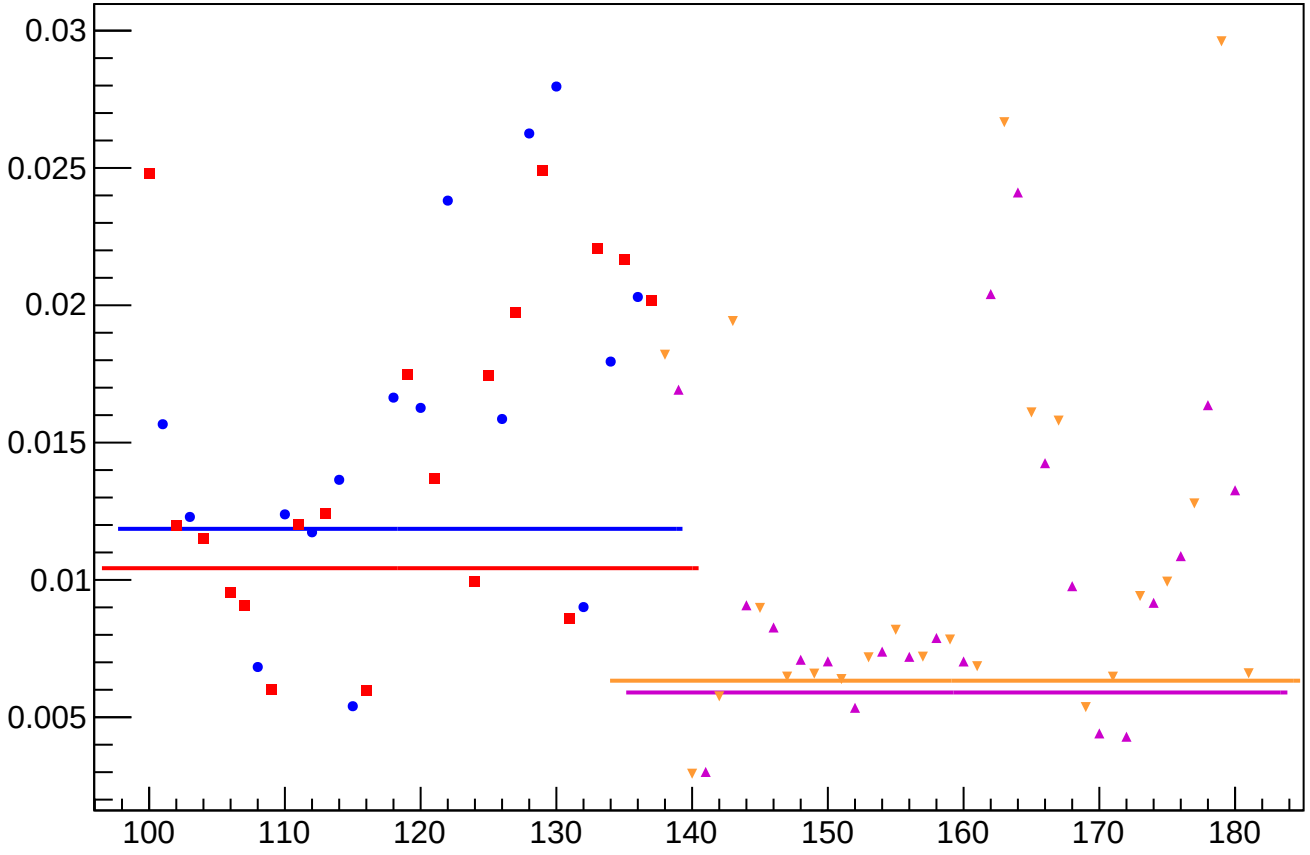
Left In: 0.000+/-0.000 χ^2/NDF:25.1/20

+ sign 0.000+/-0.000 χ^2/NDF: 61.2/38

All: 0.000+/-0.000 χ^2/NDF: 102.8/78

- sign 0.000+/-0.000 χ^2/NDF: 40.0/39

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:7717910.0/22

Right Out: 0.010+/-0.000 χ^2/NDF: 2355101.8/18

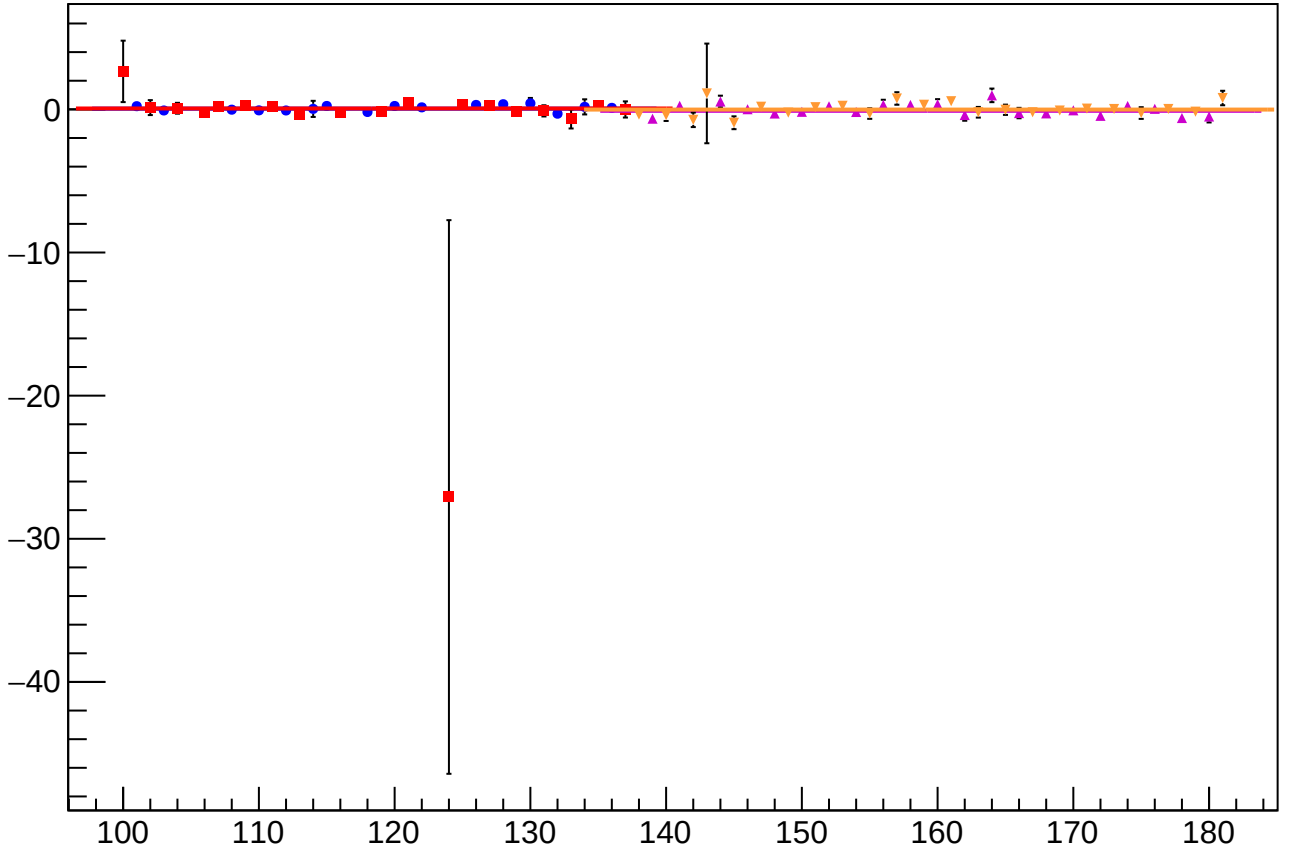
Left In: 0.006+/-0.000 χ^2/NDF:6748138.2/20

+ sign 0.007+/-0.000 χ^2/NDF: 12415648.5/38

All: 0.007+/-0.000 χ^2/NDF: 23561755.1/78

- sign 0.007+/-0.000 χ^2/NDF: 11074728.2/39

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: -0.015+/-0.063 χ^2/NDF:22.6/22

Right Out: 0.061+/-0.064 χ^2/NDF: 18.4/18

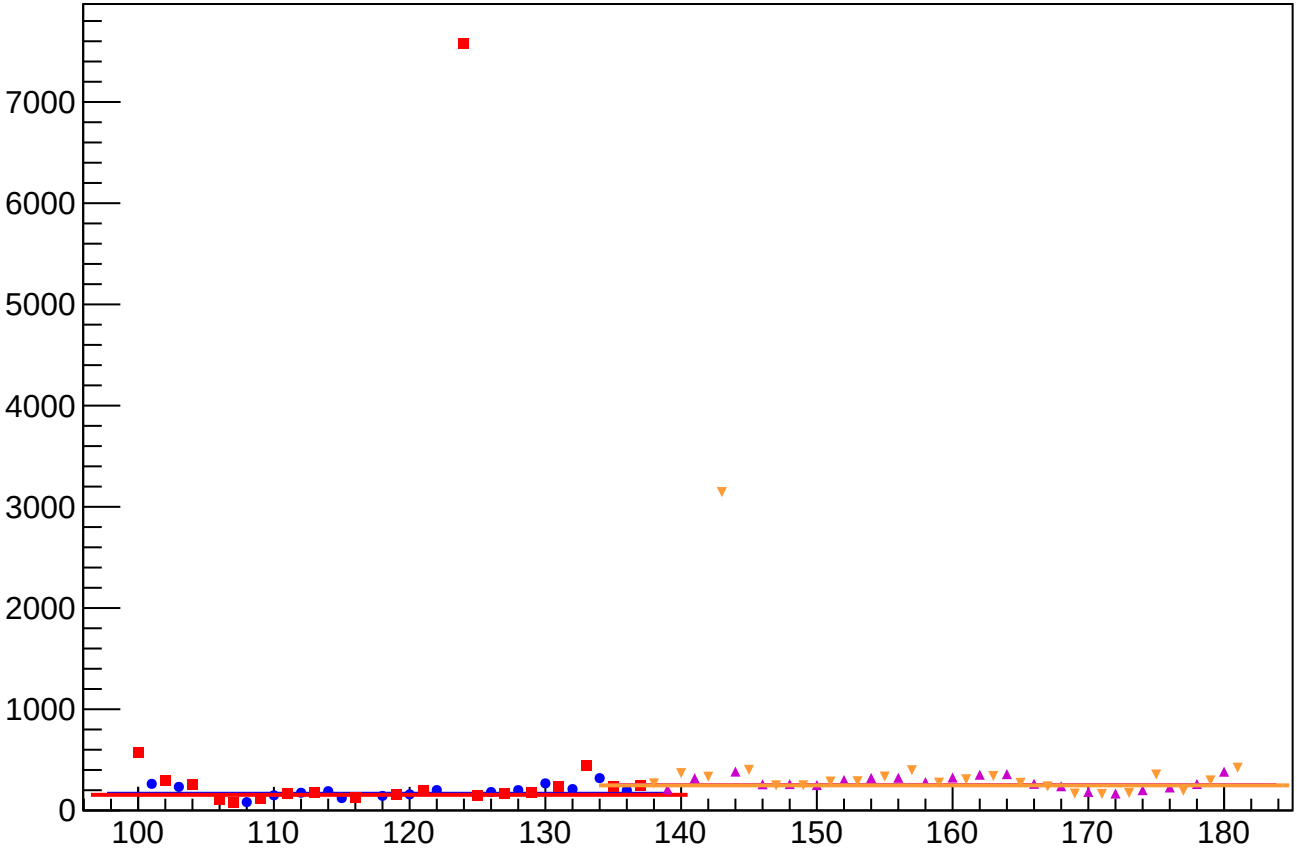
Left In: -0.102+/-0.064 χ^2/NDF:31.0/20

+ sign 0.015+/-0.046 χ^2/NDF: 30.7/38

All: -0.003+/-0.032 χ^2/NDF: 83.7/78

- sign -0.021+/-0.045 χ^2/NDF: 52.7/39

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: 248.017+/-0.044 χ^2/NDF:4068504.1/22

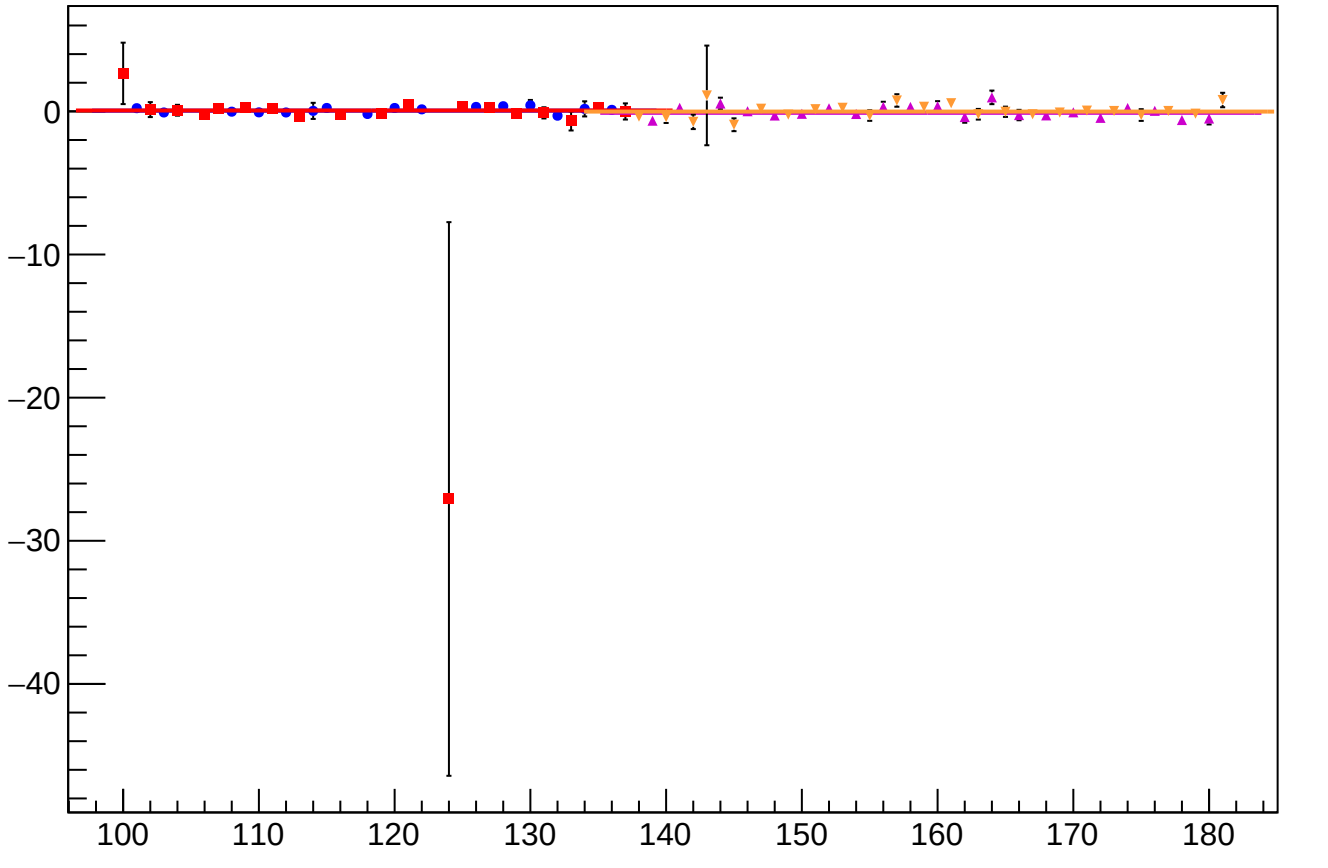
Right Out: 154.388+/-0.046 χ^2/NDF: 1921346.3/18

Left In: 251.672+/-0.045 χ^2/NDF:1842625.7/20

+ sign 208.725+/-0.032 χ^2/NDF: 7197436.8/38

All: 206.081+/-0.023 χ^2/NDF: 13277330.1/78

- sign 203.474+/-0.032 χ^2/NDF: 6066567.2/39



Right In: 0.048+/-0.066 χ^2/NDF: 7.6/15

Left Out: -0.015+/-0.063 χ^2/NDF:22.6/22

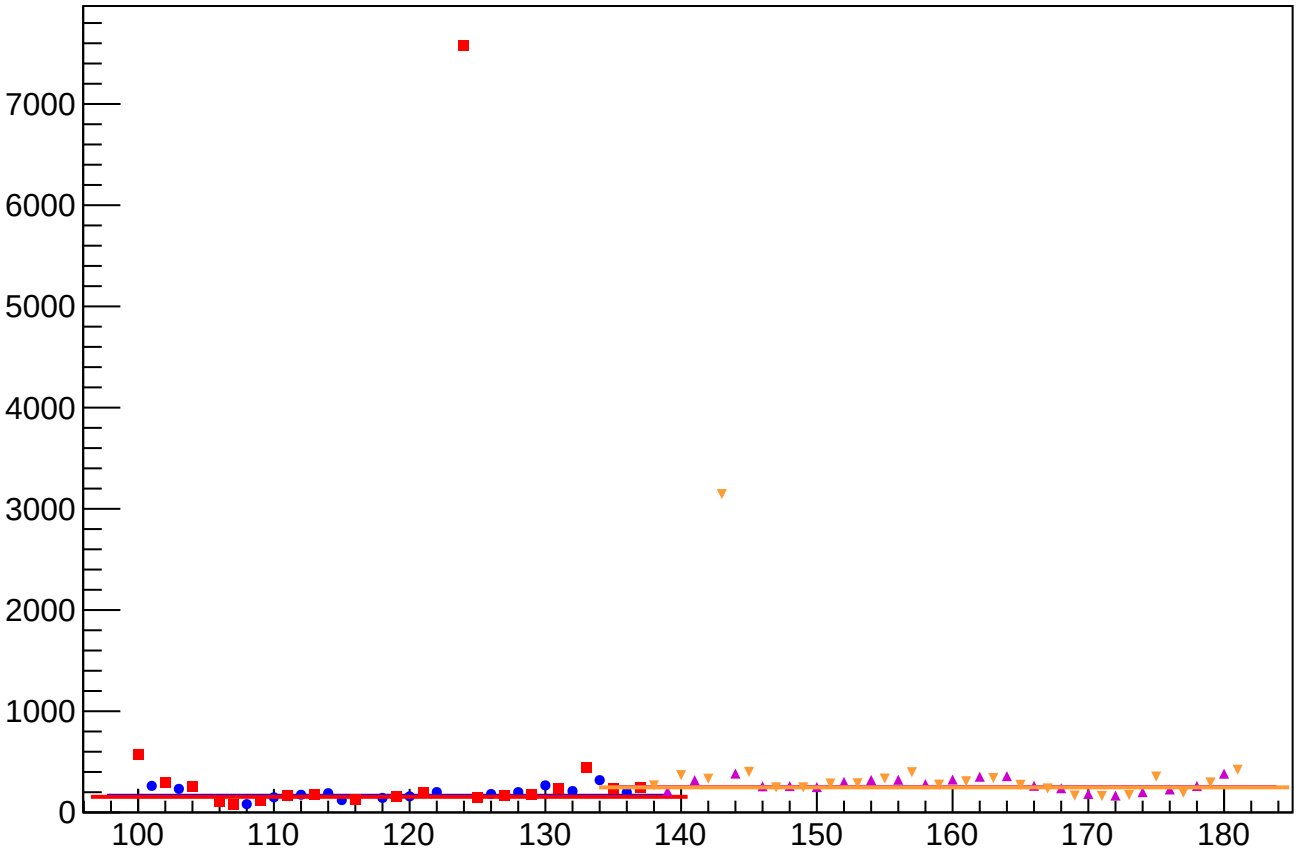
Right Out: 0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: -0.102+/-0.064 χ^2/NDF:31.0/20

+ sign 0.015+/-0.046 χ^2/NDF: 30.7/38

All: -0.003+/-0.032 χ^2/NDF: 83.7/78

- sign -0.021+/-0.045 χ^2/NDF: 52.7/39



Right In: 164.862+/-0.047 χ^2/NDF: 1474692.6/15

Left Out: 248.017+/-0.044 χ^2/NDF:4068504.1/22

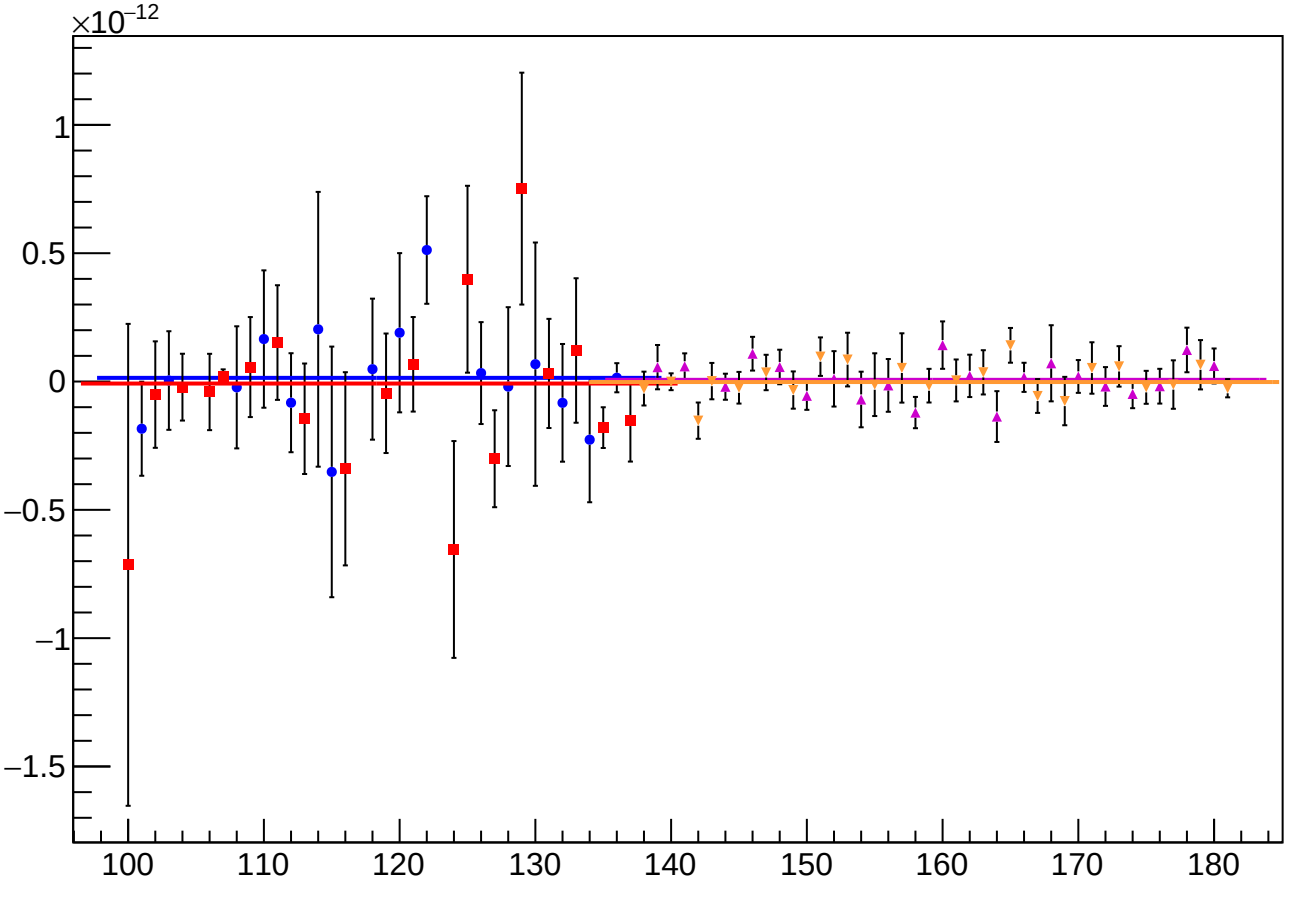
Right Out: 154.388+/-0.046 χ^2/NDF: 1921346.3/18

Left In: 251.672+/-0.045 χ^2/NDF:1842625.7/20

+ sign 208.725+/-0.032 χ^2/NDF: 7197436.8/38

All: 206.081+/-0.023 χ^2/NDF: 13277330.1/78

- sign 203.474+/-0.032 χ^2/NDF: 6066567.2/39



Right In: 0.000+/-0.000 χ^2/NDF: 9.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.9/22

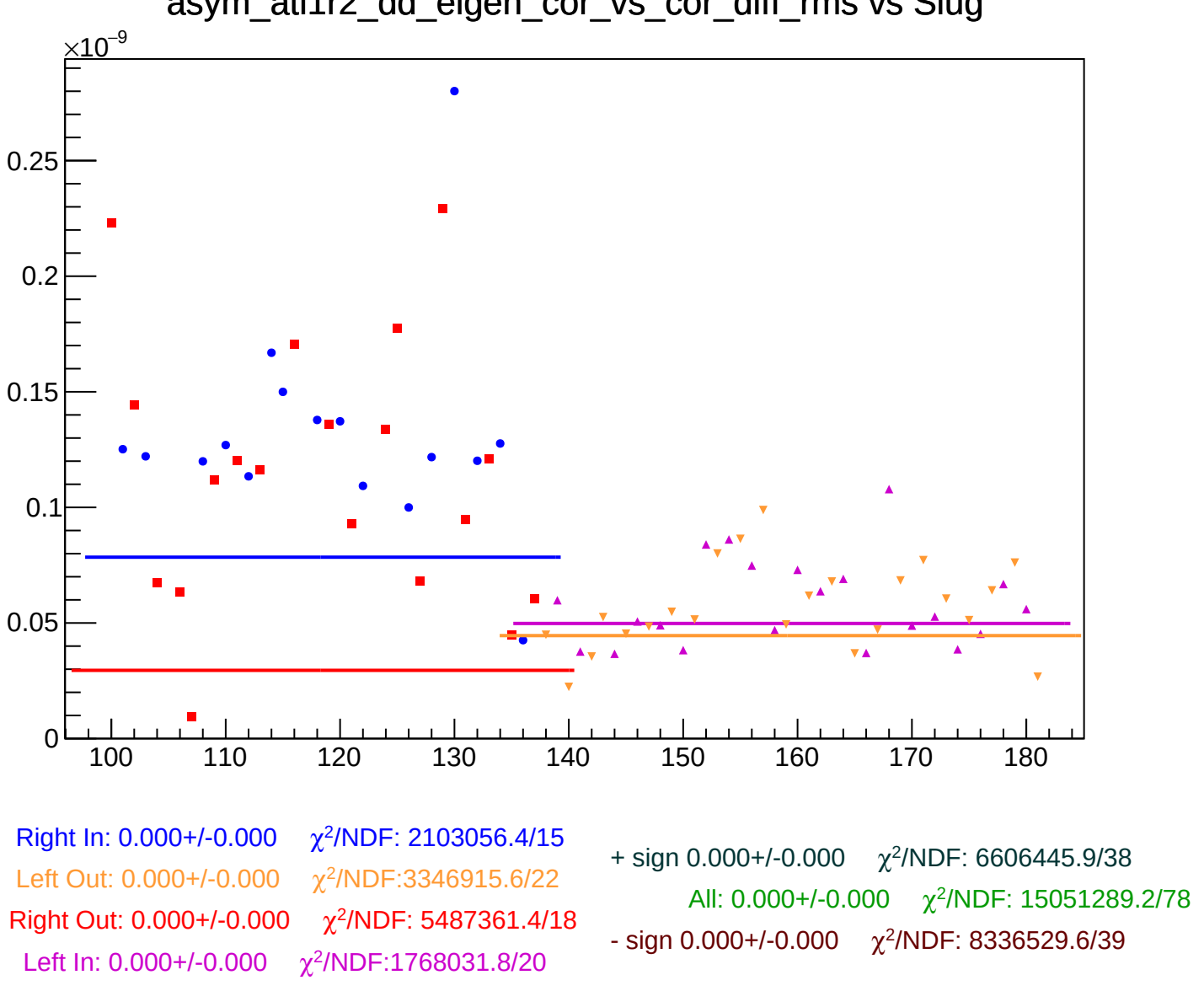
Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:19.0/20

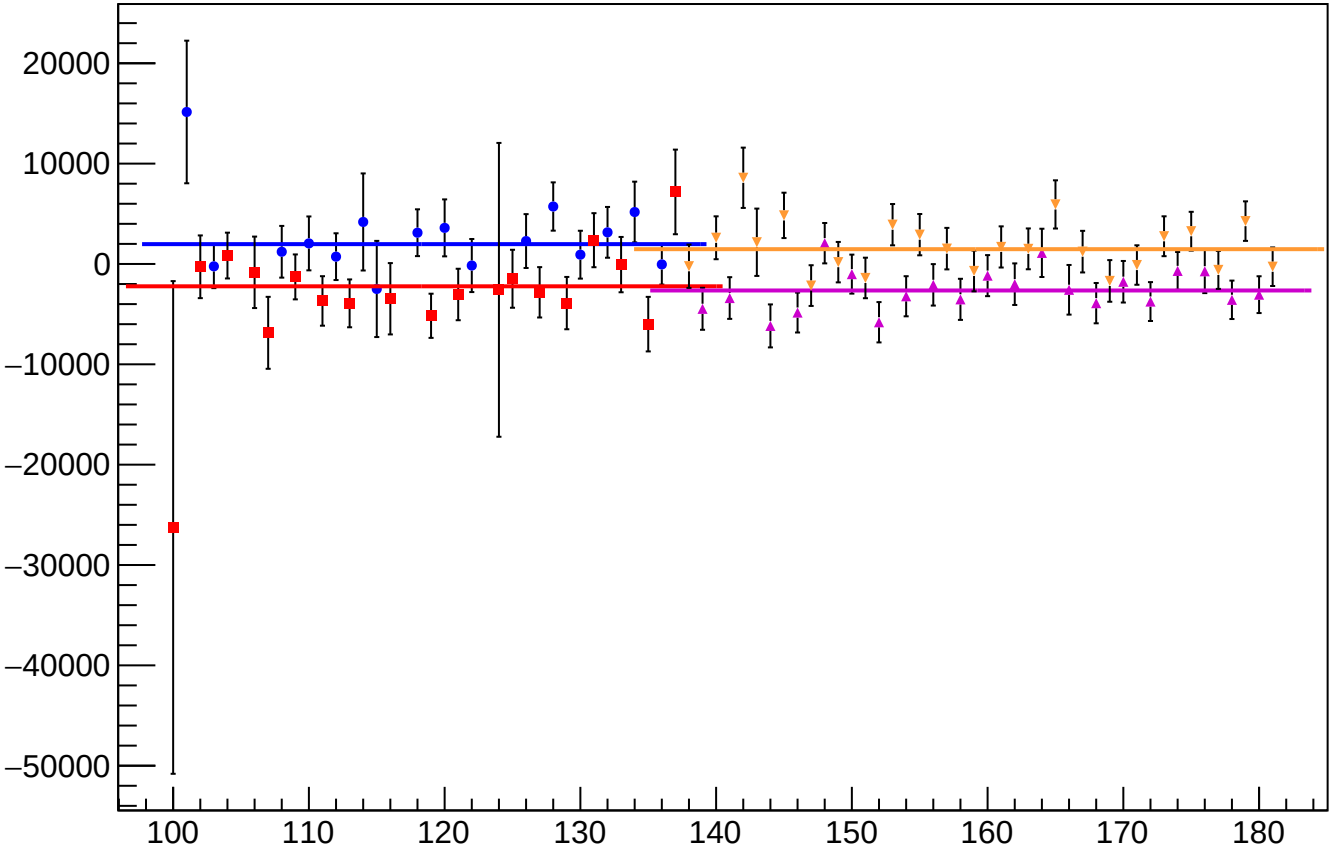
\+ sign -0.000+/-0.000 χ^2/NDF: 25.6/38

All: 0.000+/-0.000 χ^2/NDF: 63.3/78

\- sign 0.000+/-0.000 χ^2/NDF: 37.7/39


asym_atl1r2_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
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: 2103056.4/15
Left Out: 0.000+/-0.000 χ²/NDF:3346915.6/22
Right Out: 0.000+/-0.000 χ²/NDF: 5487361.4/18
Left In: 0.000+/-0.000 χ²/NDF:1768031.8/20
+ sign 0.000+/-0.000 χ²/NDF: 6606445.9/38
All: 0.000+/-0.000 χ²/NDF: 15051289.2/78
- sign 0.000+/-0.000 χ²/NDF: 8336529.6/39

reg_asym_atr1l2_avg_mean vs Slug



Right In: 1976.299+/-667.710 χ^2/NDF: 12.1/15

Left Out: 1474.143+/-437.824 χ^2/NDF:29.2/22

Right Out: -2226.171+/-656.286 χ^2/NDF: 19.0/18

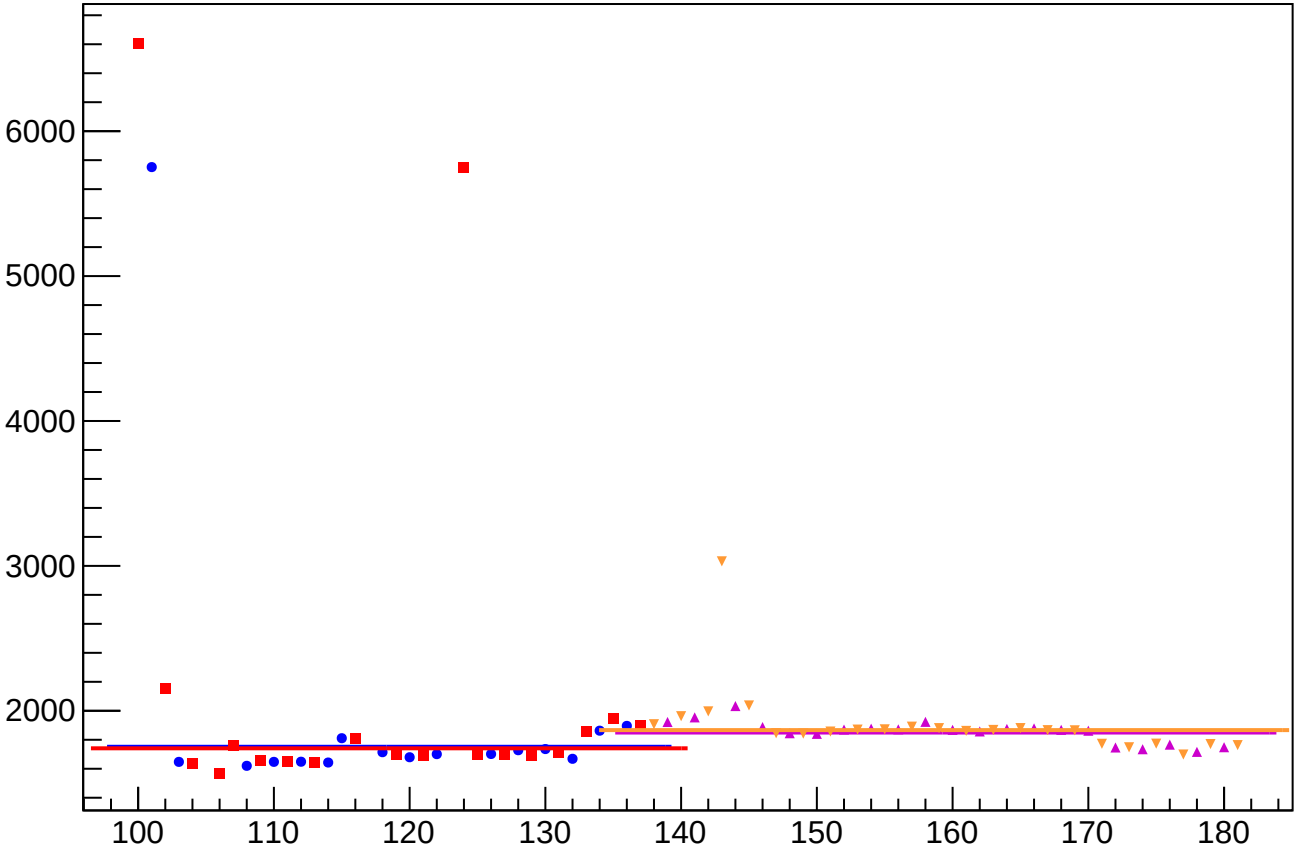
Left In: -2641.936+/-445.776 χ^2/NDF:19.9/20

+ sign 1625.130+/-366.132 χ^2/NDF: 41.7/38

All: -428.017+/-259.817 χ^2/NDF: 144.2/78

- sign -2510.675+/-368.754 χ^2/NDF: 39.2/39

reg_asym_atr1l2_avg_rms vs Slug



Right In: 1751.607+/-0.472 χ^2/NDF: 670651.4/15

Left Out: 1866.633+/-0.310 χ^2/NDF:304625.3/22

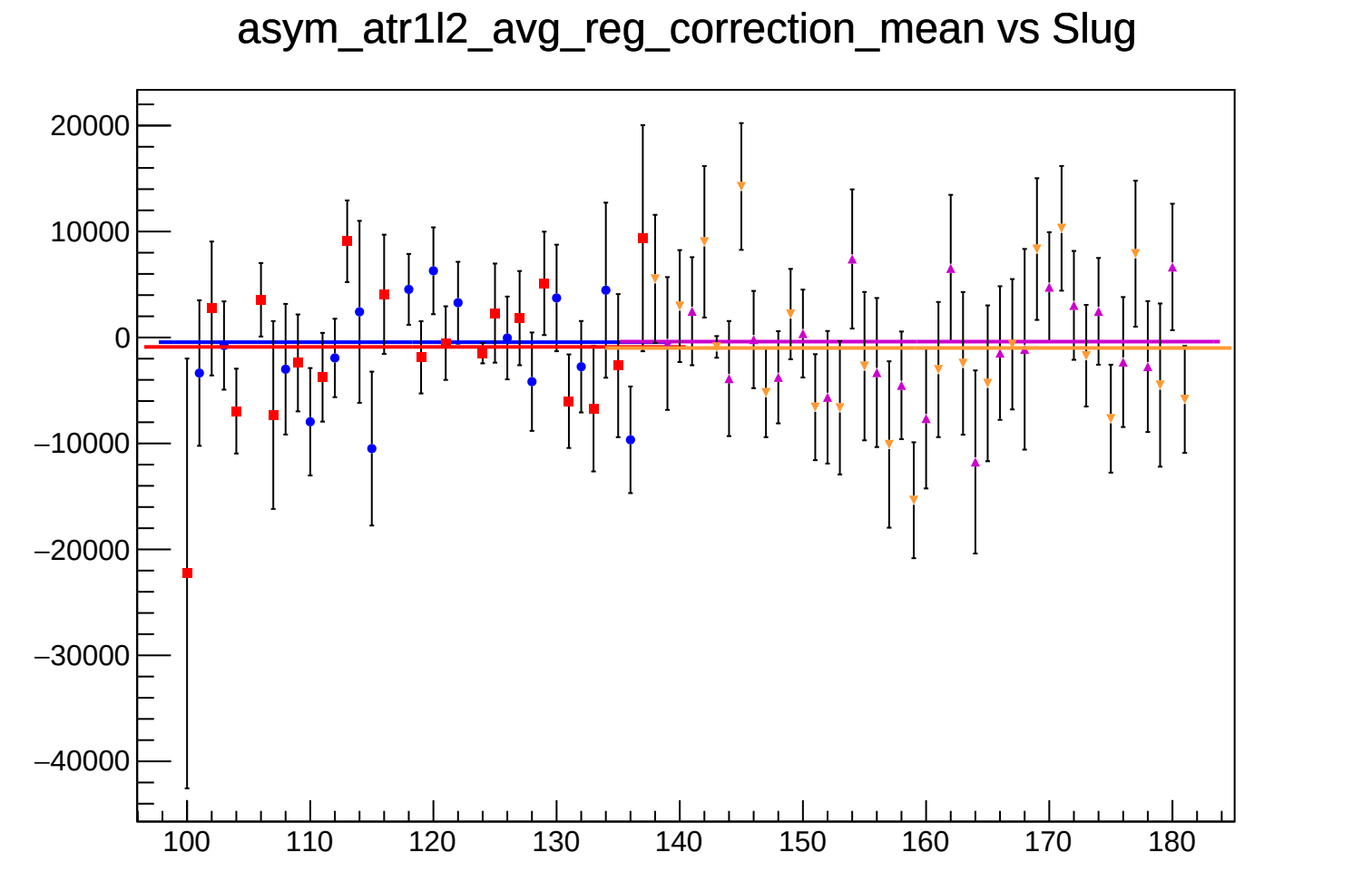
Right Out: 1741.052+/-0.461 χ^2/NDF: 304655.0/18

Left In: 1849.977+/-0.315 χ^2/NDF:59044.1/20

+ sign 1832.047+/-0.259 χ^2/NDF: 1016784.4/38

All: 1823.684+/-0.184 χ^2/NDF: 1420662.3/78

- sign 1815.240+/-0.260 χ^2/NDF: 401780.7/39



Right In: -444.273+/-1174.448 χ^2/NDF: 15.9/15

Left Out: -991.409+/-786.579 χ^2/NDF:32.6/22

Right Out: -892.237+/-725.737 χ^2/NDF: 20.1/18

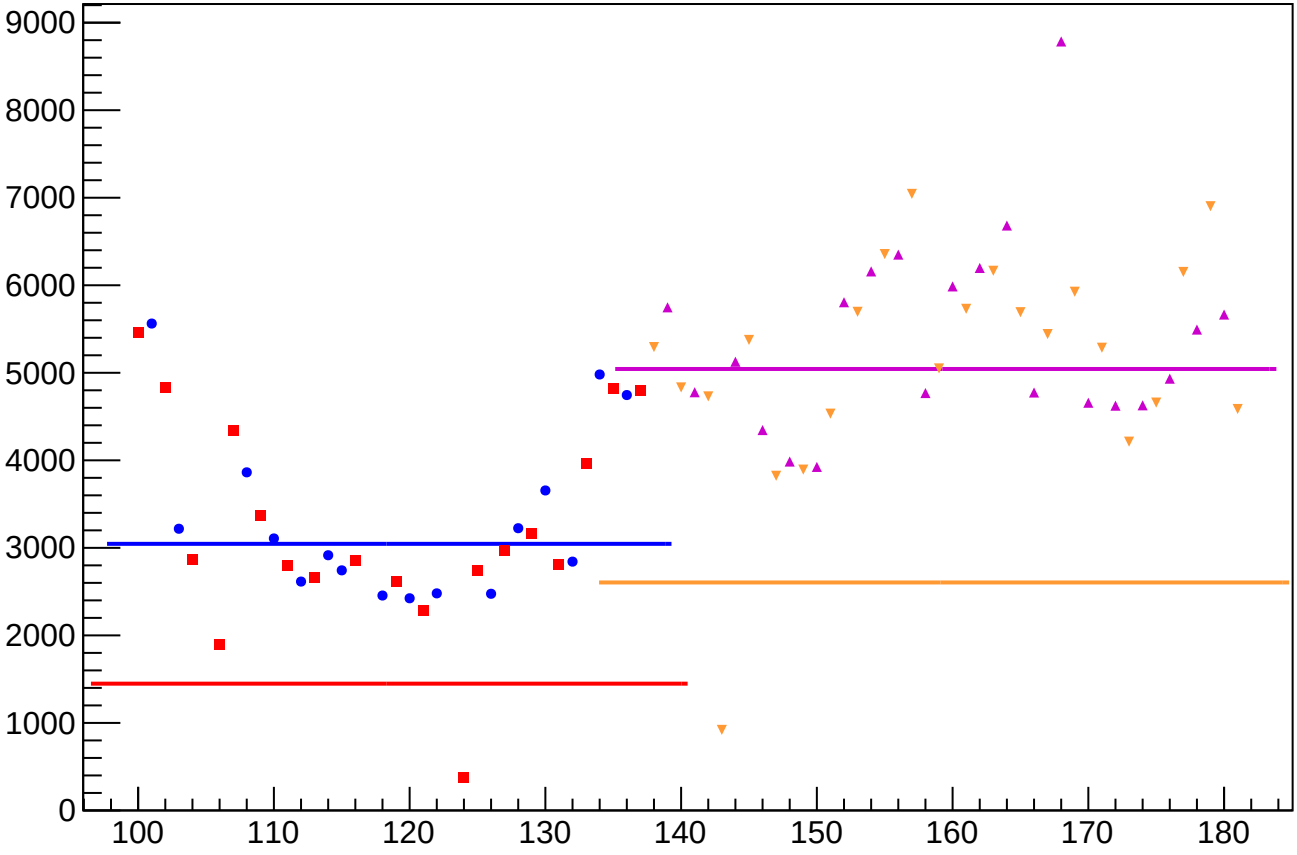
Left In: -389.724+/-1237.830 χ^2/NDF:11.7/20

+ sign -821.984+/-653.544 χ^2/NDF: 48.7/38

All: -791.585+/-452.098 χ^2/NDF: 80.6/78

- sign -763.689+/-626.067 χ^2/NDF: 31.9/39

asym_atr1l2_avg_reg_correction_rms vs Slug



Right In: 3045.917+/-0.830 χ^2/NDF: 907385.5/15

Left Out: 2604.629+/-0.556 χ^2/NDF:14269445.1/22

Right Out: 1448.519+/-0.513 χ^2/NDF: 6786925.8/18

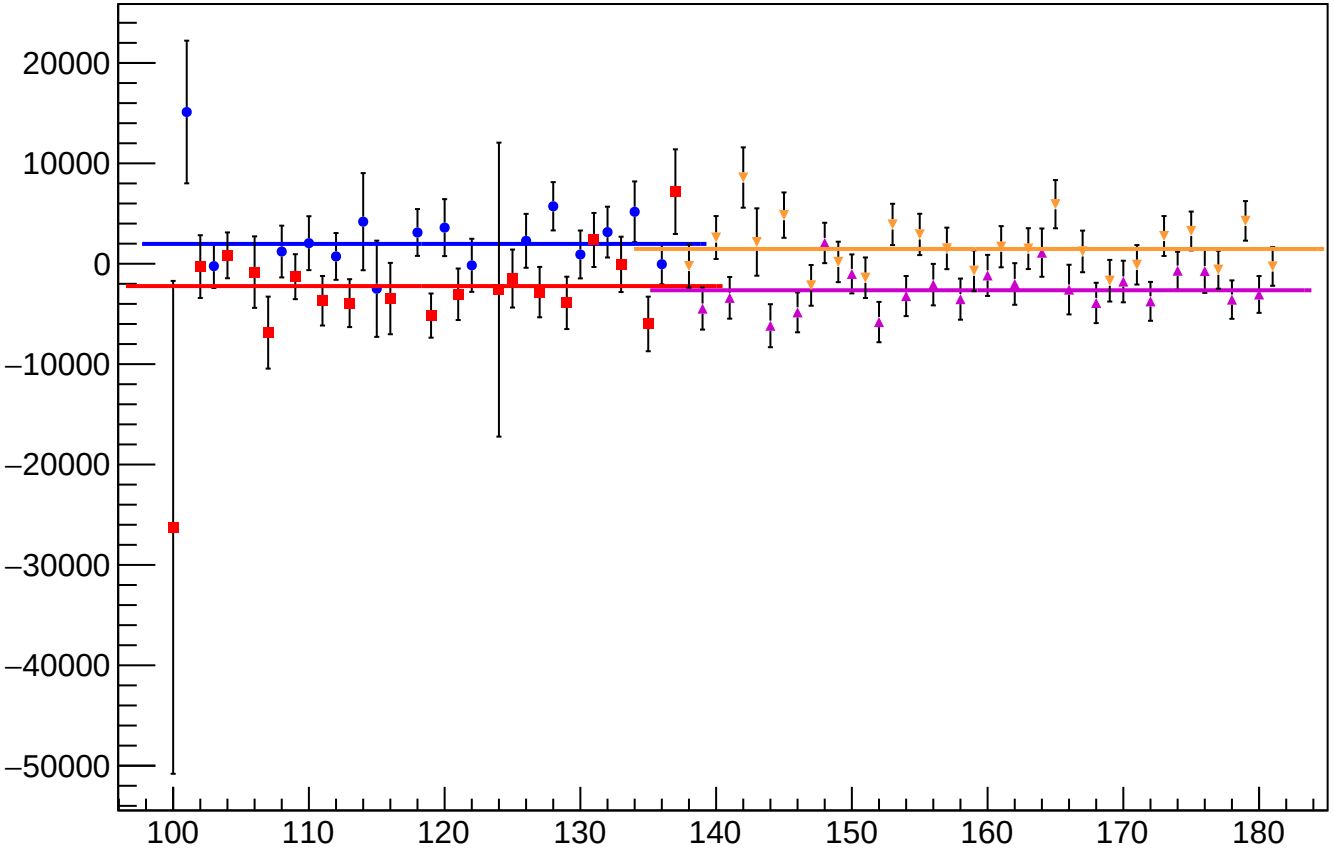
Left In: 5043.593+/-0.875 χ^2/NDF:1058100.4/20

+ sign 2741.277+/-0.462 χ^2/NDF: 15371757.2/38

All: 2546.721+/-0.320 χ^2/NDF: 36111397.5/7

- sign 2368.180+/-0.443 χ^2/NDF: 20399741.3/39

cor_asym_atr1l2_avg_mean vs Slug



Right In: 1975.946+/-667.710 χ^2/NDF: 12.1/15

Left Out: 1474.123+/-437.824 χ^2/NDF:29.2/22

Right Out: -2226.267+/-656.286 χ^2/NDF: 19.0/18

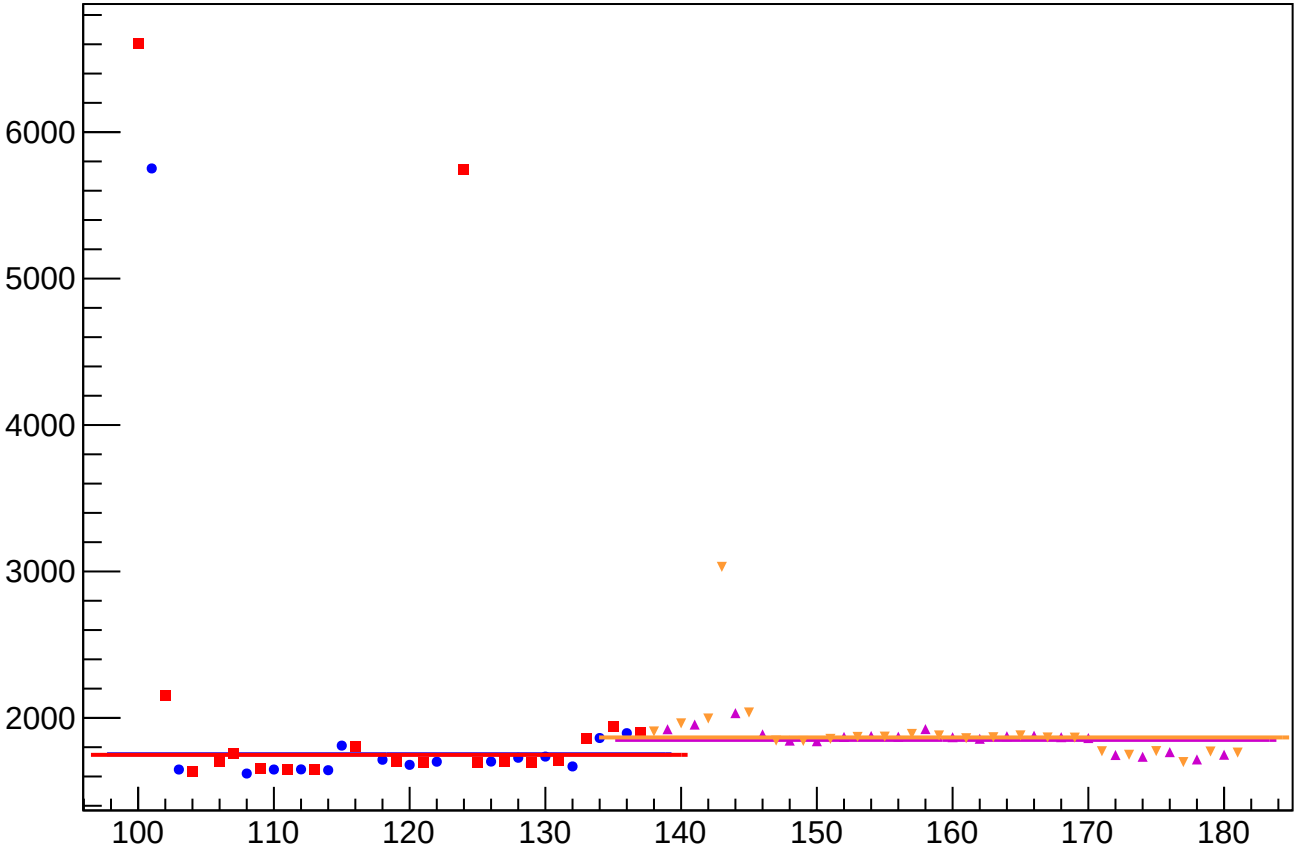
Left In: -2641.964+/-445.776 χ^2/NDF:19.9/20

+ sign 1625.010+/-366.132 χ^2/NDF: 41.7/38

All: -428.102+/-259.817 χ^2/NDF: 144.2/78

- sign -2510.724+/-368.754 χ^2/NDF: 39.2/39

cor_asym_atr1l2_avg_rms vs Slug



Right In: 1751.606+/-0.472 χ^2/NDF: 670651.6/15

Left Out: 1866.633+/-0.310 χ^2/NDF:304625.3/22

Right Out: 1747.786+/-0.462 χ^2/NDF: 297917.6/18

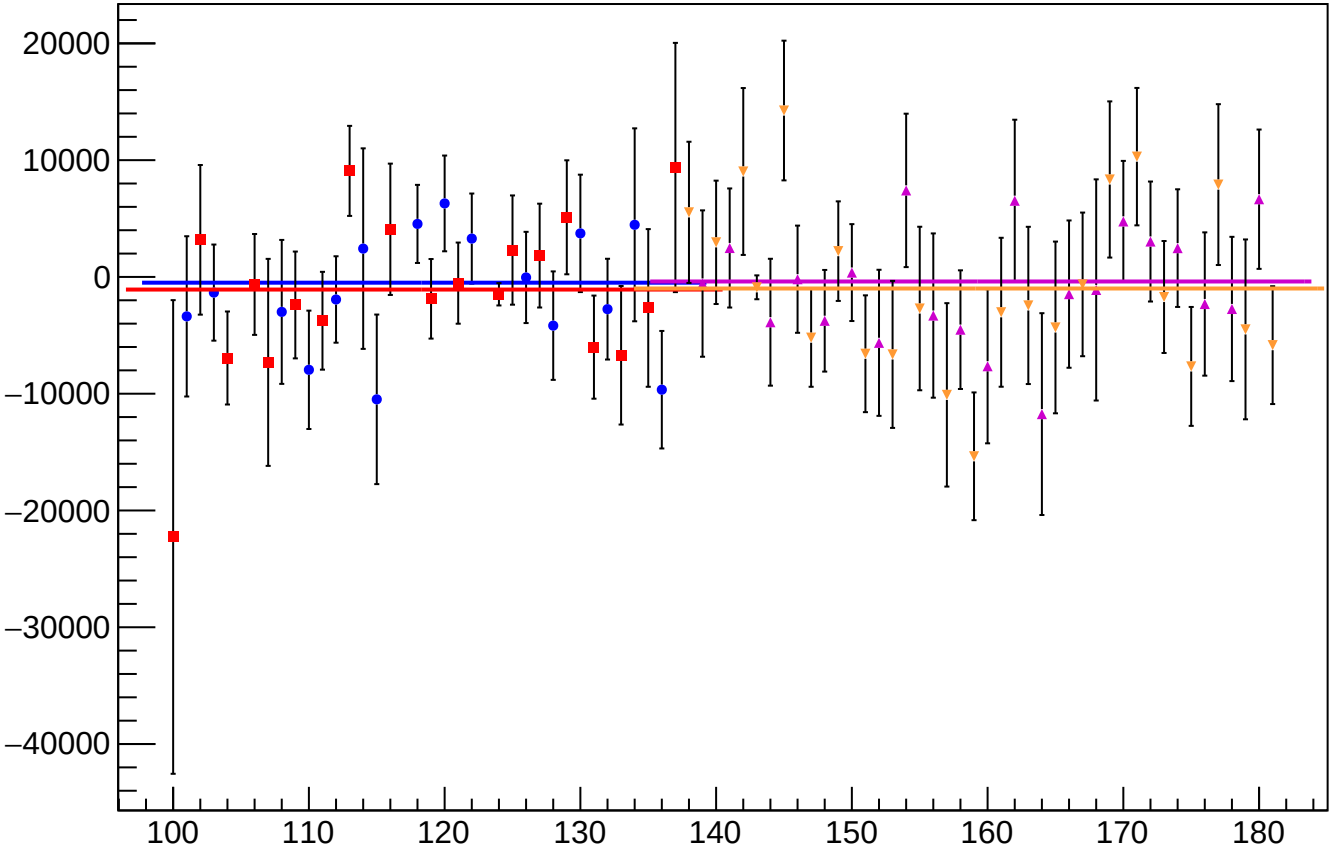
Left In: 1849.977+/-0.315 χ^2/NDF:59044.1/20

+ sign 1832.047+/-0.259 χ^2/NDF: 1016784.8/38

All: 1824.841+/-0.184 χ^2/NDF: 1408658.2/78

- sign 1817.548+/-0.260 χ^2/NDF: 390314.6/39

asym_atr1l2_avg_cor_correction_mean vs Slug



Right In: -492.916+/-1173.239 χ^2/NDF: 16.0/15

Left Out: -991.259+/-786.560 χ^2/NDF:32.6/22

Right Out: -1080.924+/-731.458 χ^2/NDF: 18.5/18

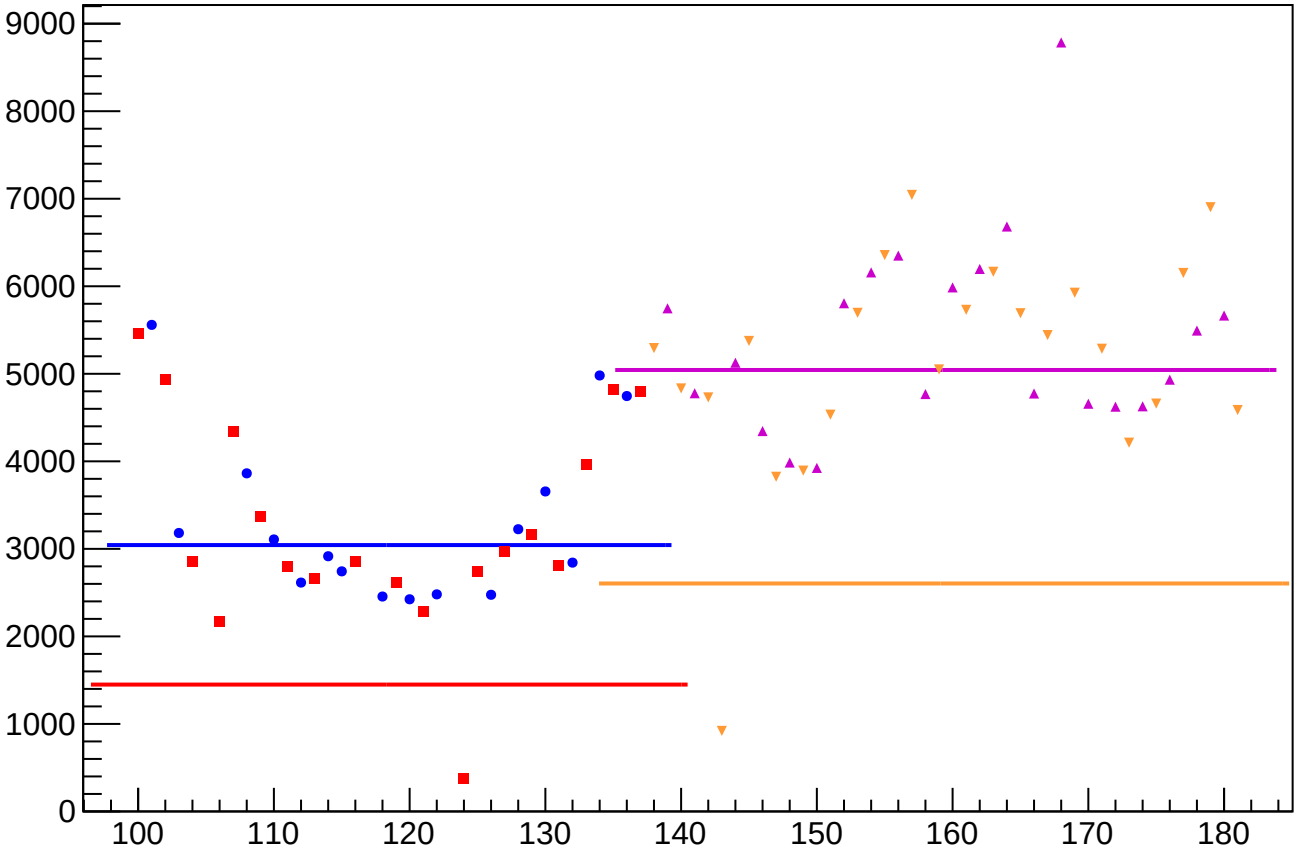
Left In: -389.789+/-1237.830 χ^2/NDF:11.7/20

+ sign -836.729+/-653.324 χ^2/NDF: 48.7/38

All: -870.590+/-453.398 χ^2/NDF: 79.1/78

- sign -902.050+/-629.729 χ^2/NDF: 30.4/39

asym_atr1l2_avg_cor_correction_rms vs Slug



Right In: 3043.270+/-0.830 χ^2/NDF: 905659.7/15

Left Out: 2604.525+/-0.556 χ^2/NDF:14270138.2/22

Right Out: 1449.516+/-0.517 χ^2/NDF: 6825716.5/18

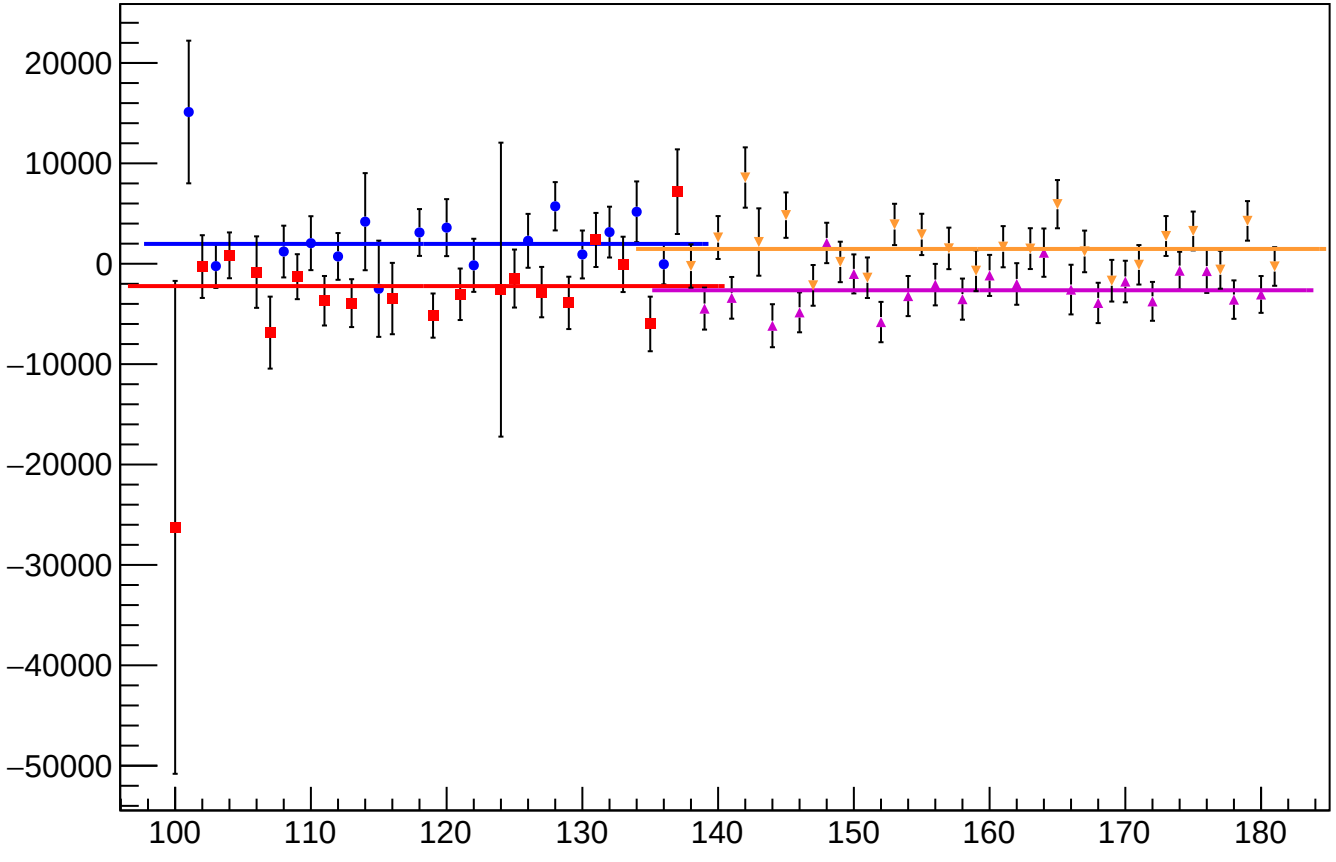
Left In: 5043.593+/-0.875 χ^2/NDF:1058099.8/20

+ sign 2740.575+/-0.462 χ^2/NDF: 15368761.3/38

All: 2553.507+/-0.321 χ^2/NDF: 36066045.1/7

- sign 2379.708+/-0.445 χ^2/NDF: 20380970.0/39

eigen_cor_asym_atr1l2_avg_mean vs Slug



Right In: 1975.946+/-667.710 χ^2/NDF: 12.1/15

Left Out: 1474.123+/-437.824 χ^2/NDF:29.2/22

Right Out: -2226.267+/-656.286 χ^2/NDF: 19.0/18

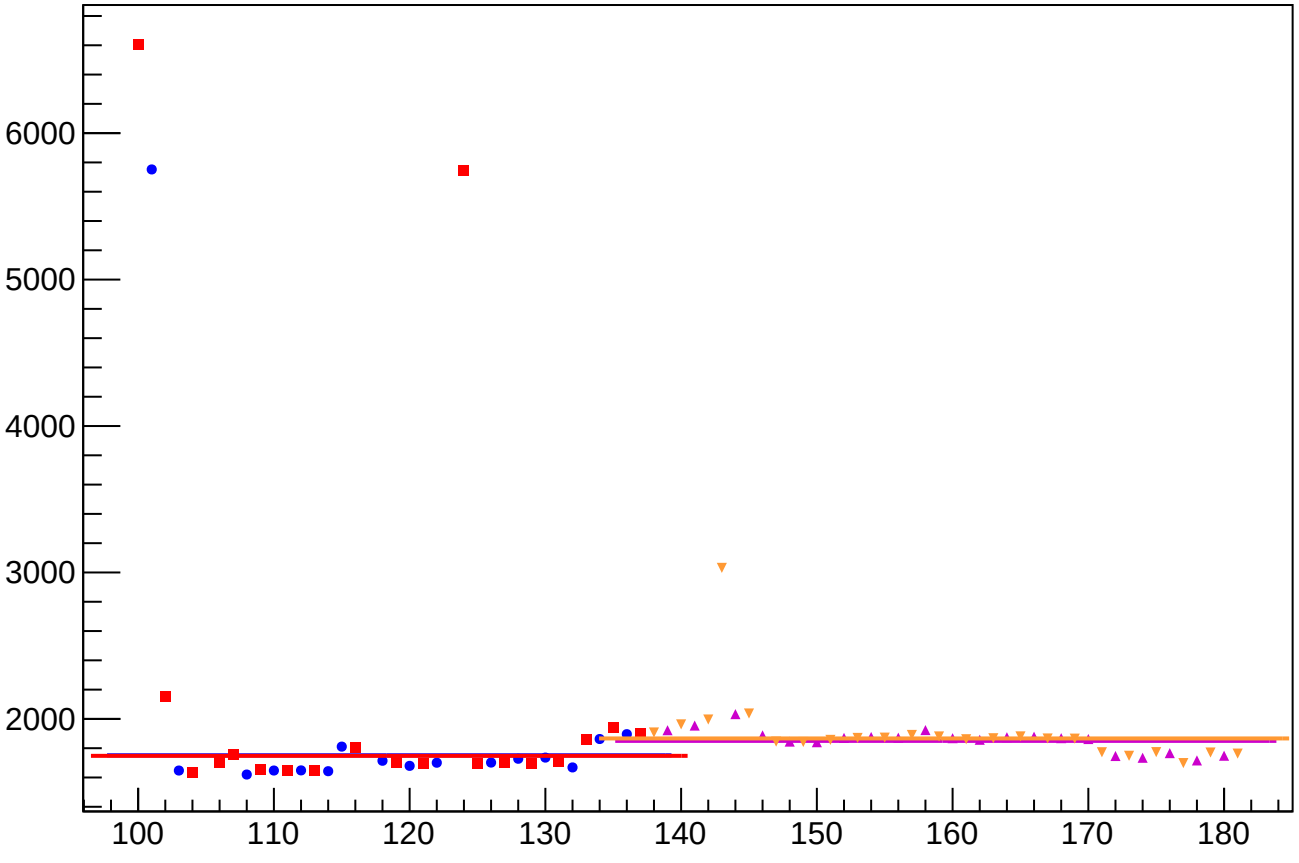
Left In: -2641.964+/-445.776 χ^2/NDF:19.9/20

+ sign 1625.010+/-366.132 χ^2/NDF: 41.7/38

All: -428.102+/-259.817 χ^2/NDF: 144.2/78

- sign -2510.724+/-368.754 χ^2/NDF: 39.2/39

eigen_cor_asym_atr1l2_avg_rms vs Slug



Right In: 1751.606+/-0.472 χ^2/NDF: 670651.6/15

Left Out: 1866.633+/-0.310 χ^2/NDF:304625.3/22

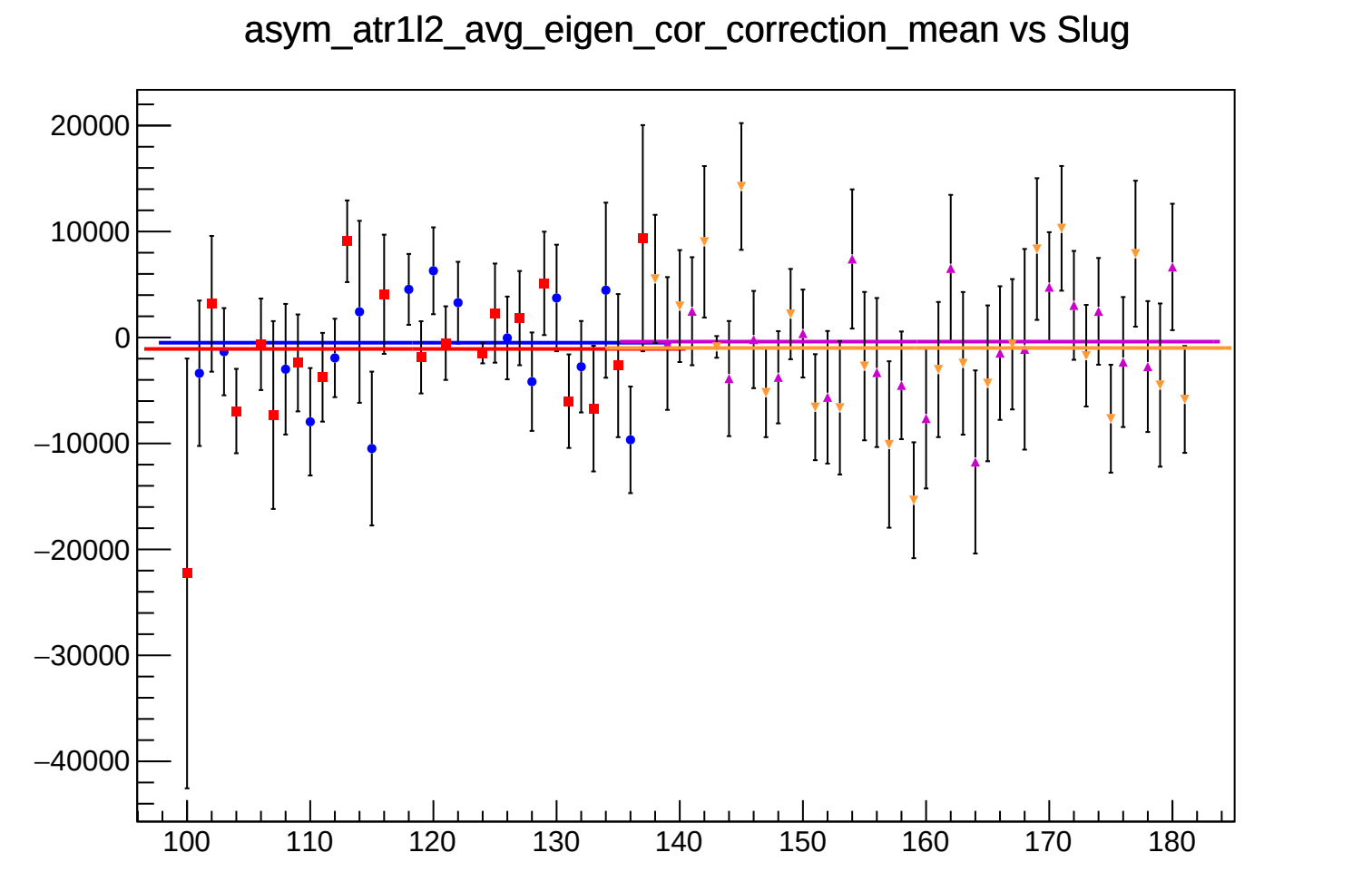
Right Out: 1747.786+/-0.462 χ^2/NDF: 297917.6/18

Left In: 1849.977+/-0.315 χ^2/NDF:59044.1/20

+ sign 1832.047+/-0.259 χ^2/NDF: 1016784.8/38

All: 1824.841+/-0.184 χ^2/NDF: 1408658.2/78

- sign 1817.548+/-0.260 χ^2/NDF: 390314.6/39



Right In: -492.916+/-1173.239 χ^2/NDF: 16.0/15

Left Out: -991.259+/-786.560 χ^2/NDF:32.6/22

Right Out: -1080.924+/-731.458 χ^2/NDF: 18.5/18

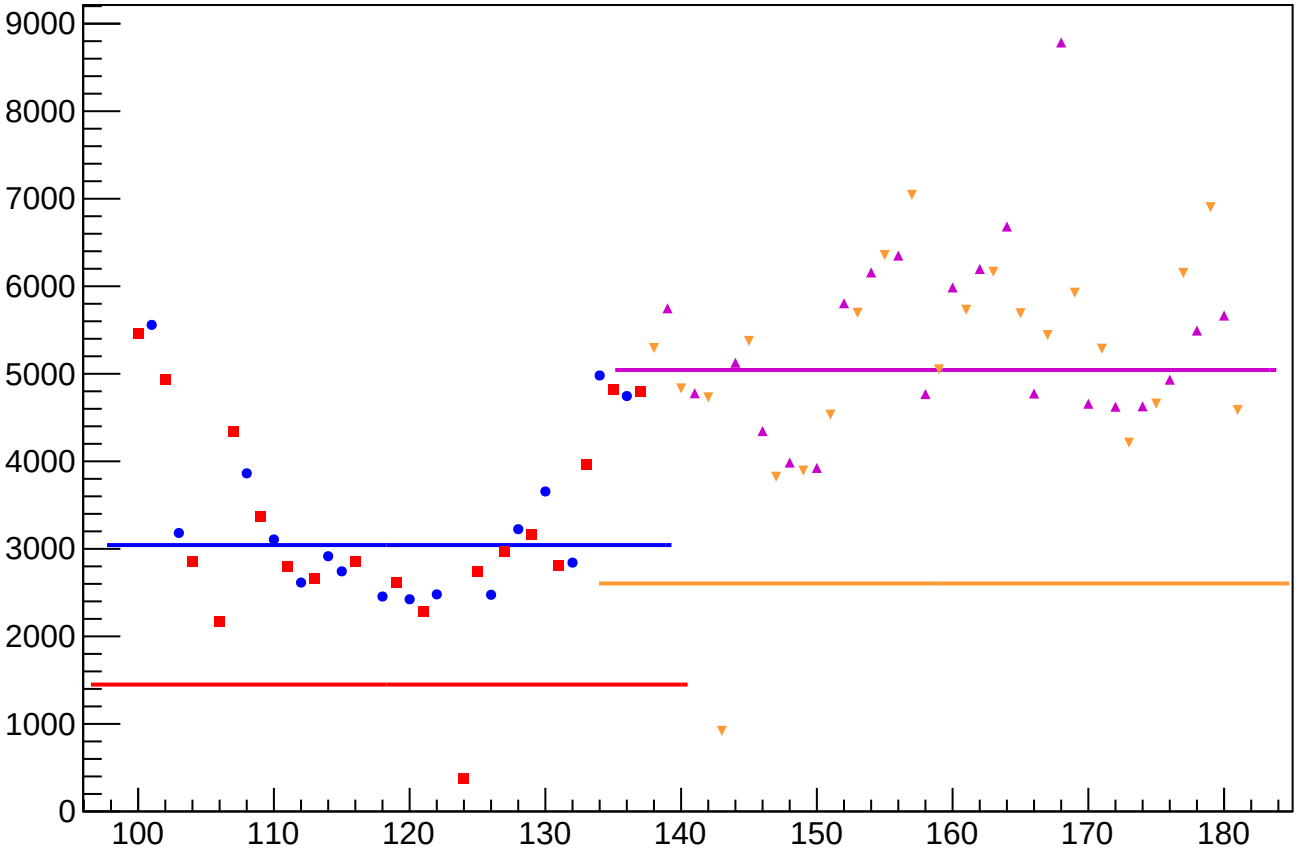
Left In: -389.789+/-1237.830 χ^2/NDF:11.7/20

+ sign -836.729+/-653.324 χ^2/NDF: 48.7/38

All: -870.590+/-453.398 χ^2/NDF: 79.1/78

- sign -902.050+/-629.729 χ^2/NDF: 30.4/39

asym_atr1l2_avg_eigen_cor_correction_rms vs Slug



Right In: 3043.270+/-0.830 χ^2/NDF: 905659.7/15

Left Out: 2604.525+/-0.556 χ^2/NDF:14270138.2/22

Right Out: 1449.516+/-0.517 χ^2/NDF: 6825716.5/18

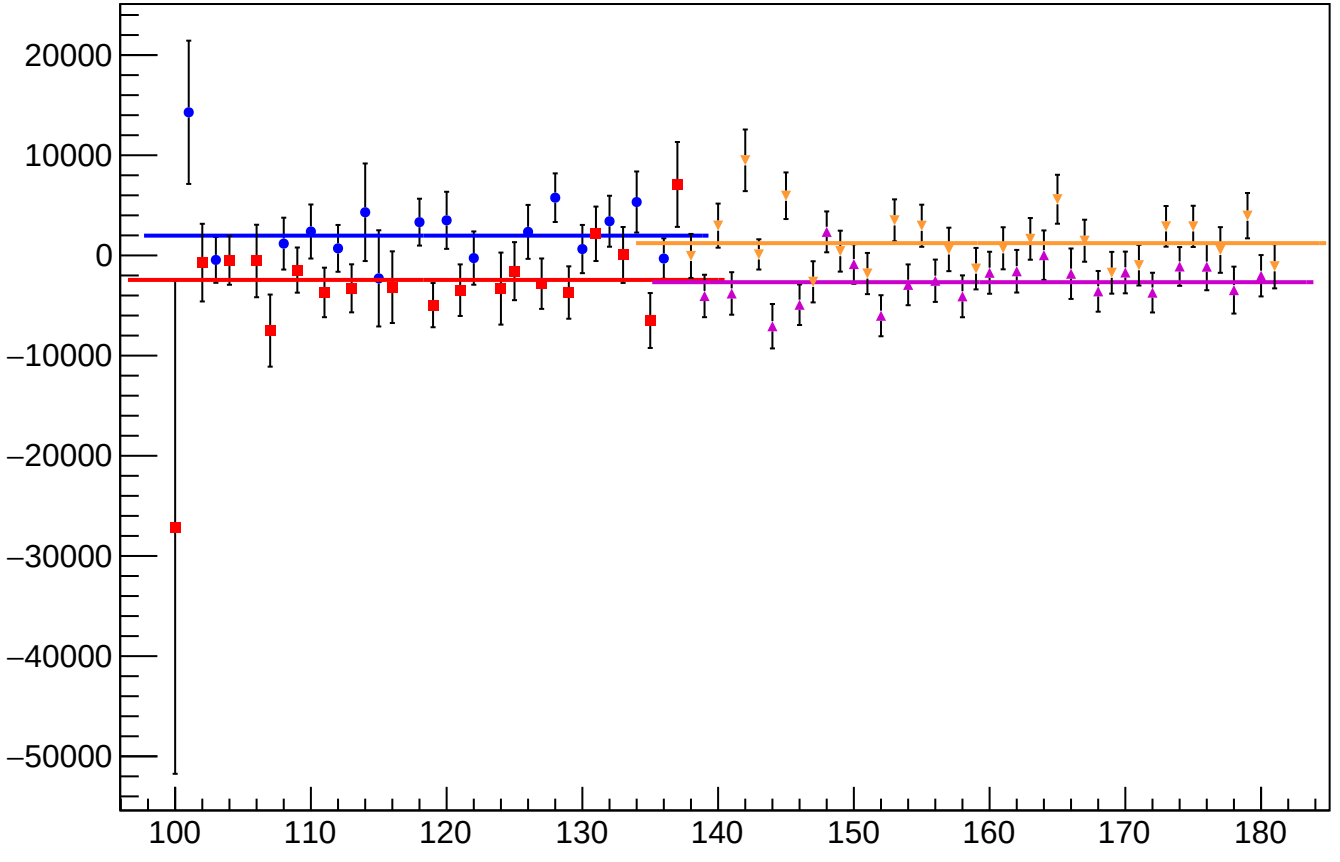
Left In: 5043.593+/-0.875 χ^2/NDF:1058099.8/20

+ sign 2740.575+/-0.462 χ^2/NDF: 15368761.3/38

All: 2553.507+/-0.321 χ^2/NDF: 36066045.1/7

- sign 2379.708+/-0.445 χ^2/NDF: 20380970.0/39

dit_asym_atr1l2_avg_mean vs Slug



Right In: 1975.804+/-674.086 χ^2/NDF: 12.4/15

Left Out: 1226.065+/-440.481 χ^2/NDF:32.7/22

Right Out: -2444.199+/-657.682 χ^2/NDF: 17.5/18

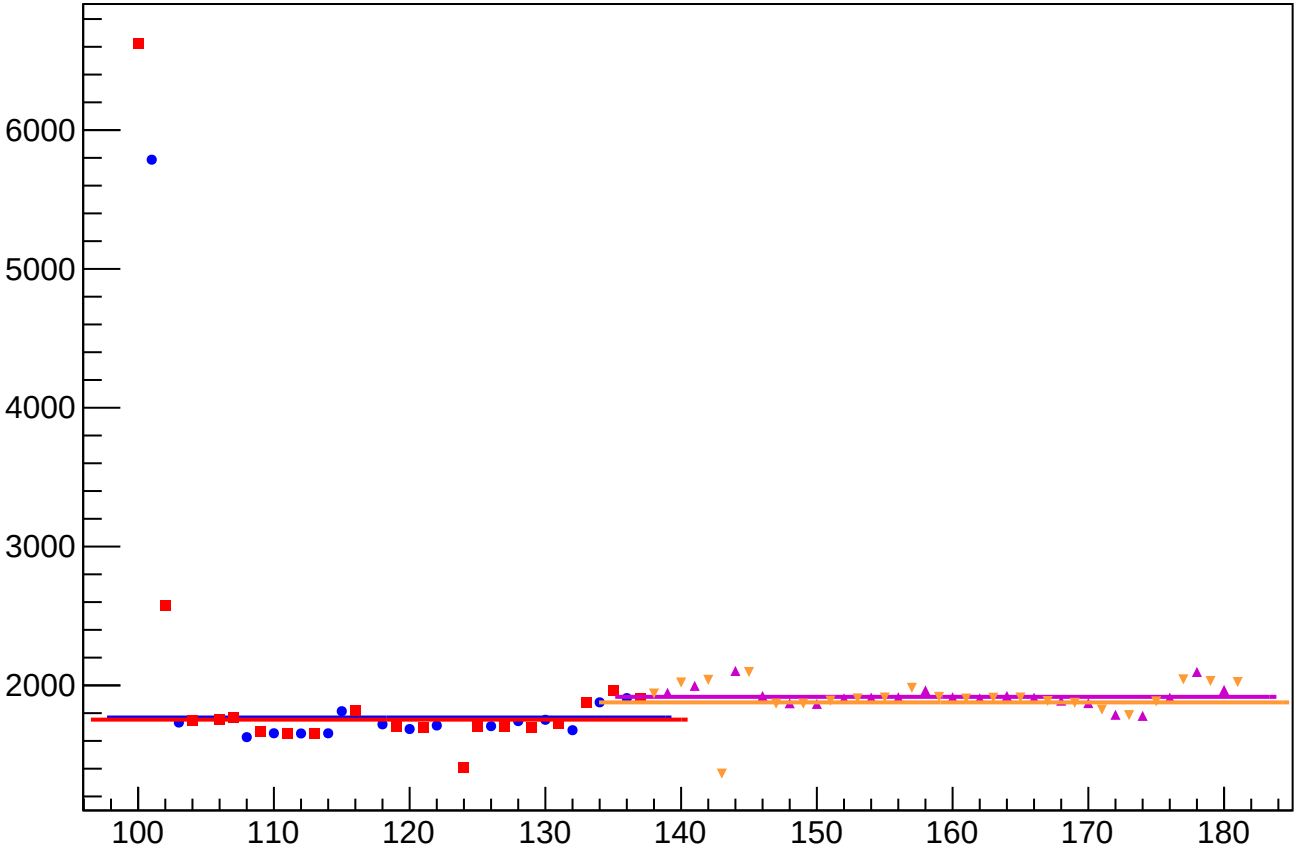
Left In: -2671.123+/-462.059 χ^2/NDF:19.7/20

+ sign 1450.407+/-368.736 χ^2/NDF: 46.0/38

All: -522.247+/-263.977 χ^2/NDF: 142.0/78

- sign -2596.131+/-378.079 χ^2/NDF: 37.2/39

dit_asym_atr1l2_avg_rms vs Slug



Right In: 1768.480+/-0.477 χ^2/NDF: 667367.4/15

Left Out: 1877.472+/-0.311 χ^2/NDF:306428.0/22

Right Out: 1753.383+/-0.464 χ^2/NDF: 218864.4/18

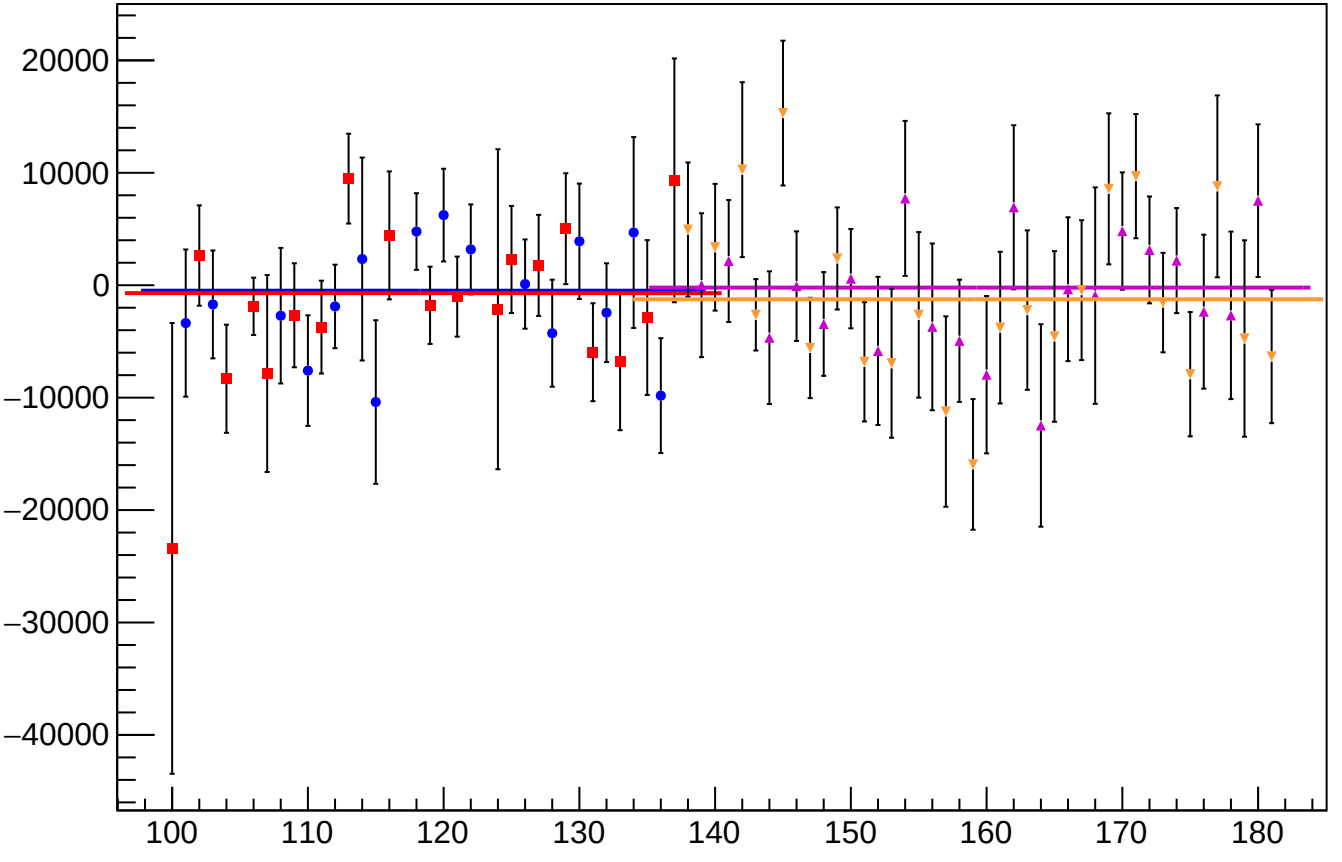
Left In: 1917.476+/-0.327 χ^2/NDF:53507.1/20

+ sign 1844.859+/-0.261 χ^2/NDF: 1010436.3/38

All: 1853.737+/-0.187 χ^2/NDF: 1368839.9/78

- sign 1863.055+/-0.267 χ^2/NDF: 356027.2/39

asym_atr1l2_avg_dit_correction_mean vs Slug



Right In: -488.104+/-1198.506 χ^2/NDF: 15.8/15

Left Out: -1250.305+/-1196.029 χ^2/NDF:32.3/22

Right Out: -703.324+/-1069.467 χ^2/NDF: 18.8/18

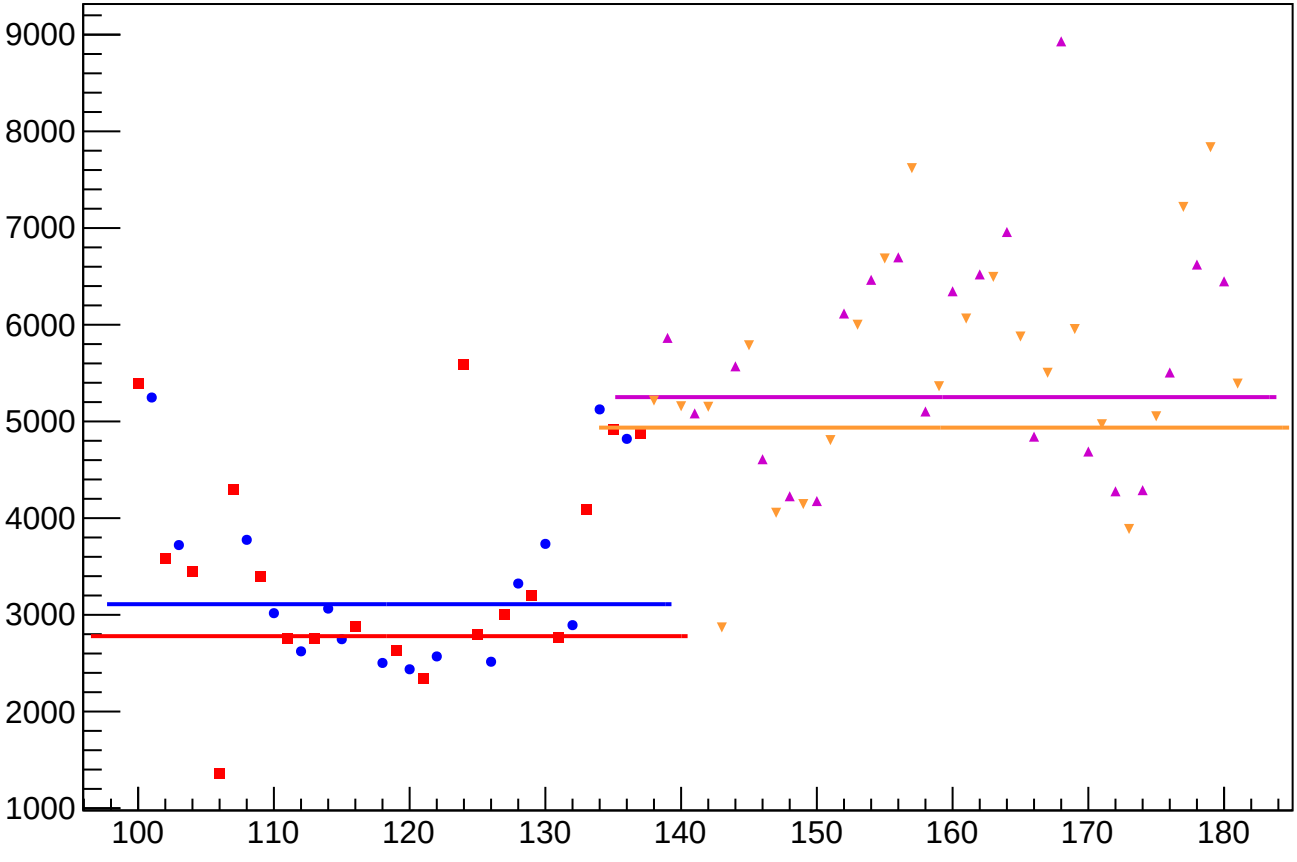
Left In: -211.311+/-1292.907 χ^2/NDF:11.6/20

+ sign -869.993+/-846.594 χ^2/NDF: 48.3/38

All: -681.777+/-590.510 χ^2/NDF: 78.9/78

- sign -503.440+/-824.076 χ^2/NDF: 30.5/39

asym_atr1l2_avg_dit_correction_rms vs Slug



Right In: 3110.133+/-0.847 χ^2/NDF: 883262.4/15

Left Out: 4936.166+/-0.846 χ^2/NDF:2156782.1/22

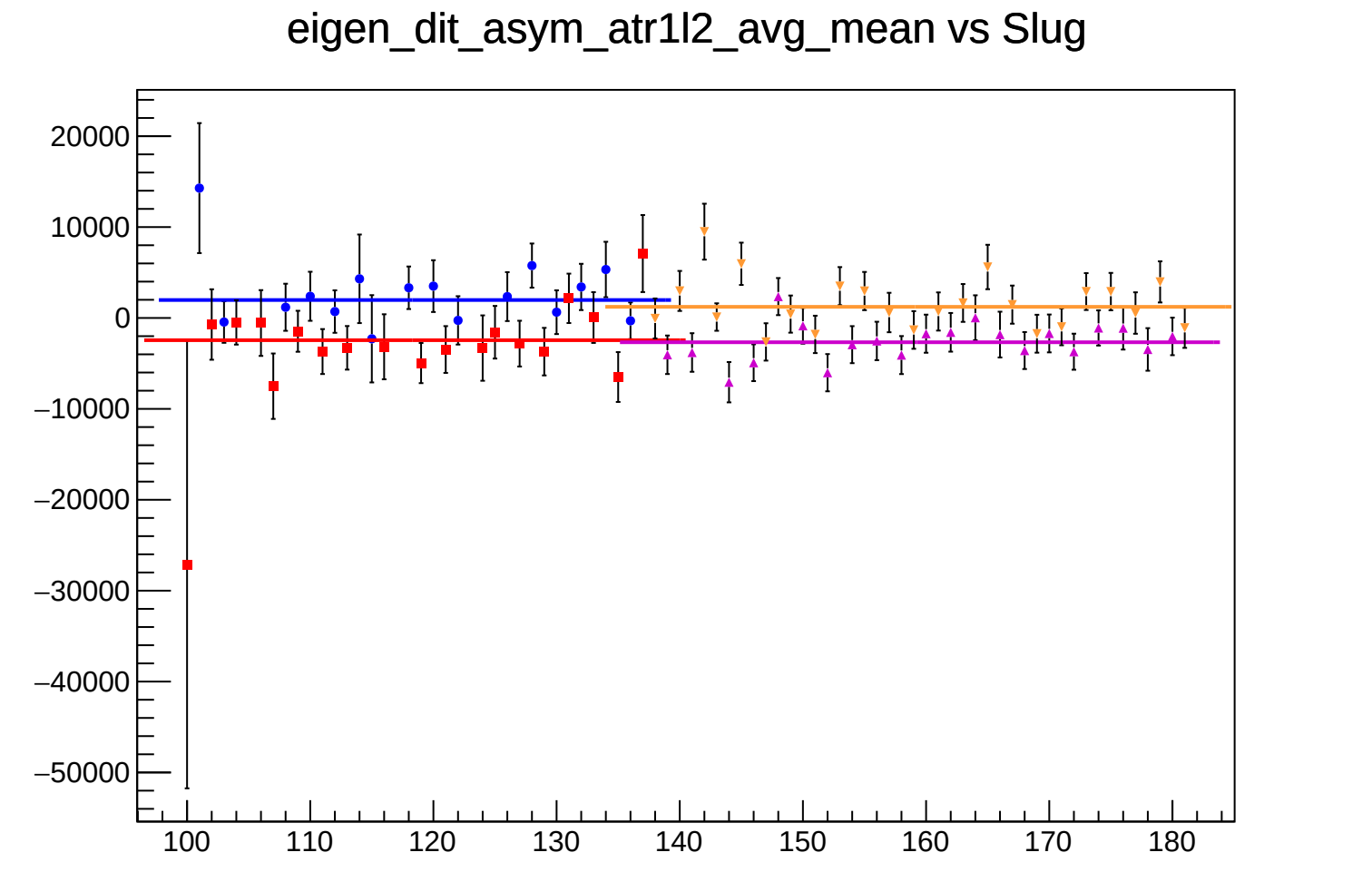
Right Out: 2779.630+/-0.756 χ^2/NDF: 1348141.7/18

Left In: 5251.624+/-0.914 χ^2/NDF:1258405.4/20

+ sign 4025.038+/-0.599 χ^2/NDF: 5366179.9/38

All: 3901.216+/-0.418 χ^2/NDF: 12397046.5/7

- sign 3783.892+/-0.583 χ^2/NDF: 6947544.6/39



Right In: 1975.805+/-674.086 χ^2/NDF: 12.4/15

Left Out: 1226.062+/-440.481 χ^2/NDF:32.7/22

Right Out: -2444.199+/-657.682 χ^2/NDF: 17.5/18

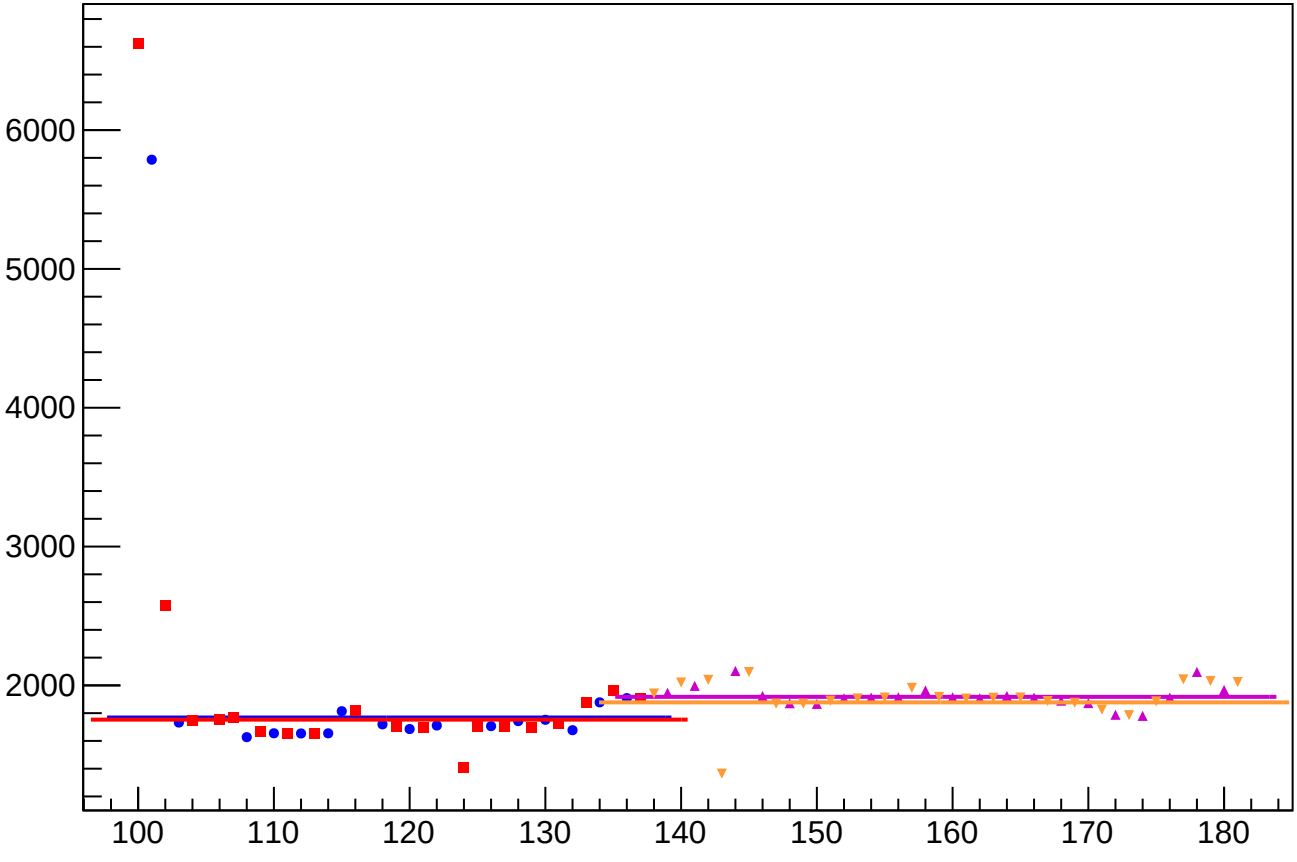
Left In: -2671.122+/-462.059 χ^2/NDF:19.7/20

+ sign 1450.405+/-368.736 χ^2/NDF: 46.0/38

All: -522.248+/-263.977 χ^2/NDF: 142.0/78

- sign -2596.131+/-378.079 χ^2/NDF: 37.2/39

eigen_dit_asym_atr1l2_avg_rms vs Slug



Right In: 1768.480+/-0.477 χ^2/NDF: 667367.4/15

Left Out: 1877.473+/-0.311 χ^2/NDF:306431.6/22

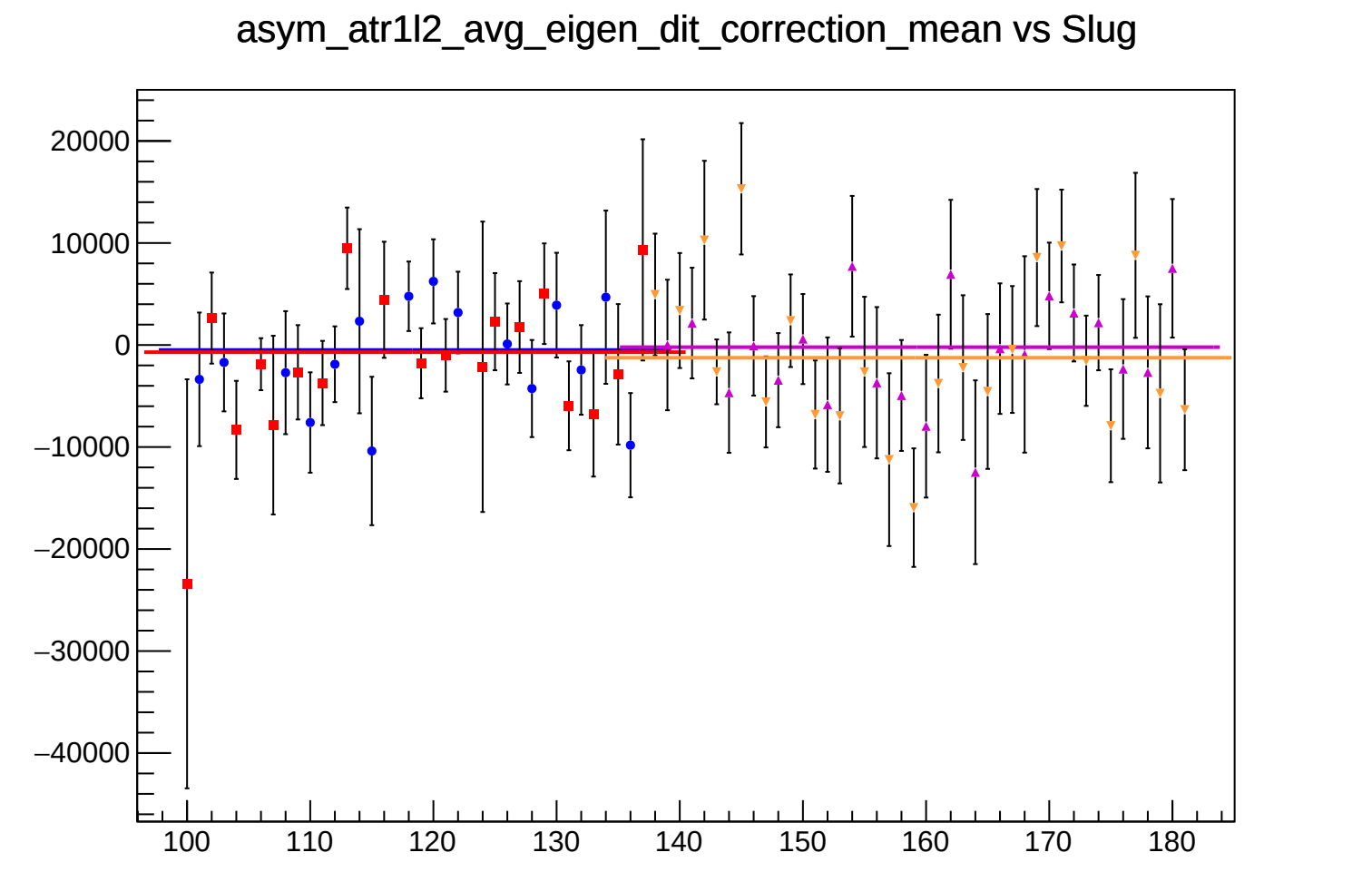
Right Out: 1753.382+/-0.464 χ^2/NDF: 218864.3/18

Left In: 1917.477+/-0.327 χ^2/NDF:53509.4/20

+ sign 1844.859+/-0.261 χ^2/NDF: 1010440.5/38

All: 1853.738+/-0.187 χ^2/NDF: 1368847.6/78

- sign 1863.056+/-0.267 χ^2/NDF: 356030.7/39



Right In: -488.098+/-1198.502 χ^2/NDF: 15.8/15

Left Out: -1250.310+/-1196.030 χ^2/NDF:32.3/22

Right Out: -703.325+/-1069.463 χ^2/NDF: 18.8/18

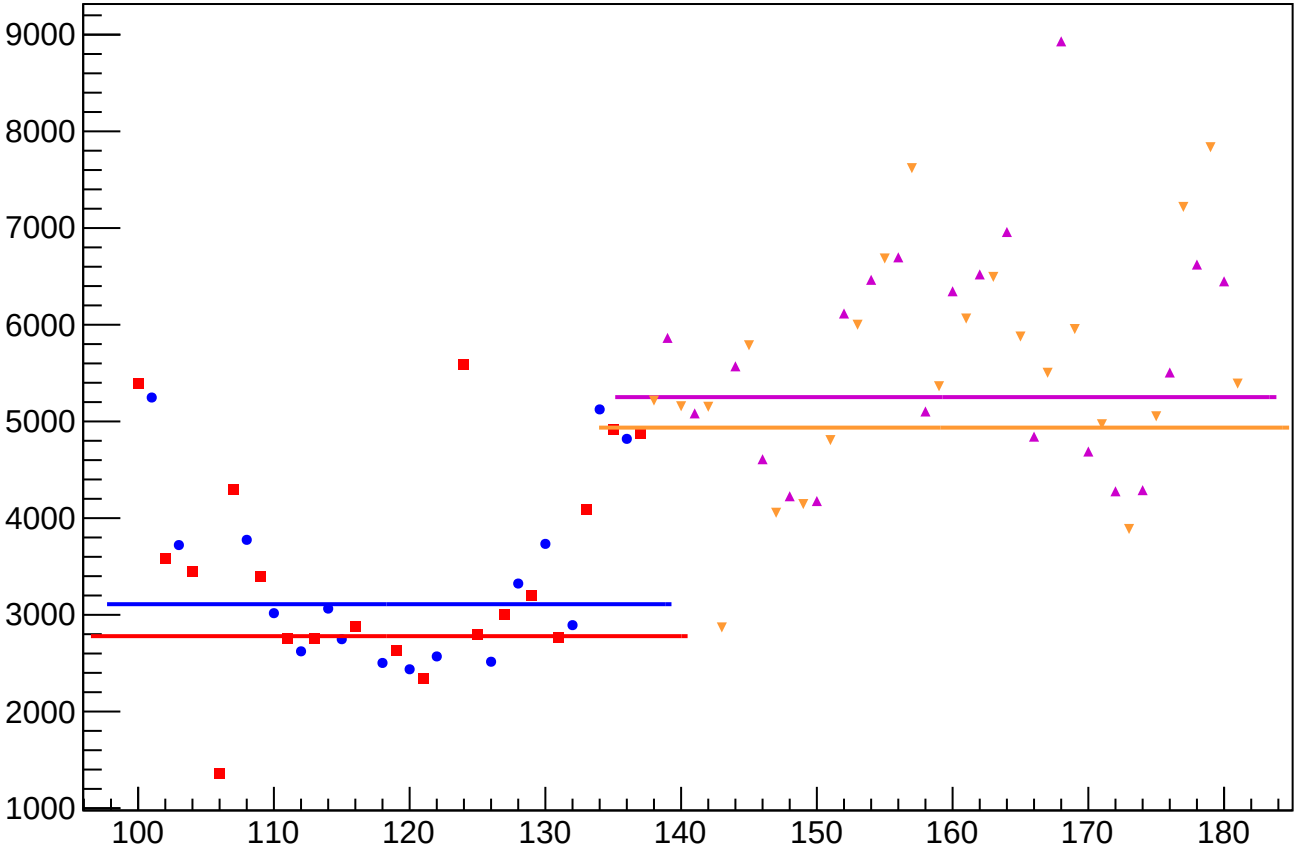
Left In: -211.311+/-1292.909 χ^2/NDF:11.6/20

+ sign -869.991+/-846.594 χ^2/NDF: 48.3/38

All: -681.777+/-590.509 χ^2/NDF: 78.9/78

- sign -503.443+/-824.074 χ^2/NDF: 30.5/39

asym_atr1l2_avg_eigen_dit_correction_rms vs Slug



Right In: 3110.121+/-0.847 χ^2/NDF: 883272.2/15

Left Out: 4936.173+/-0.846 χ^2/NDF:2156789.3/22

Right Out: 2779.617+/-0.756 χ^2/NDF: 1348160.7/18

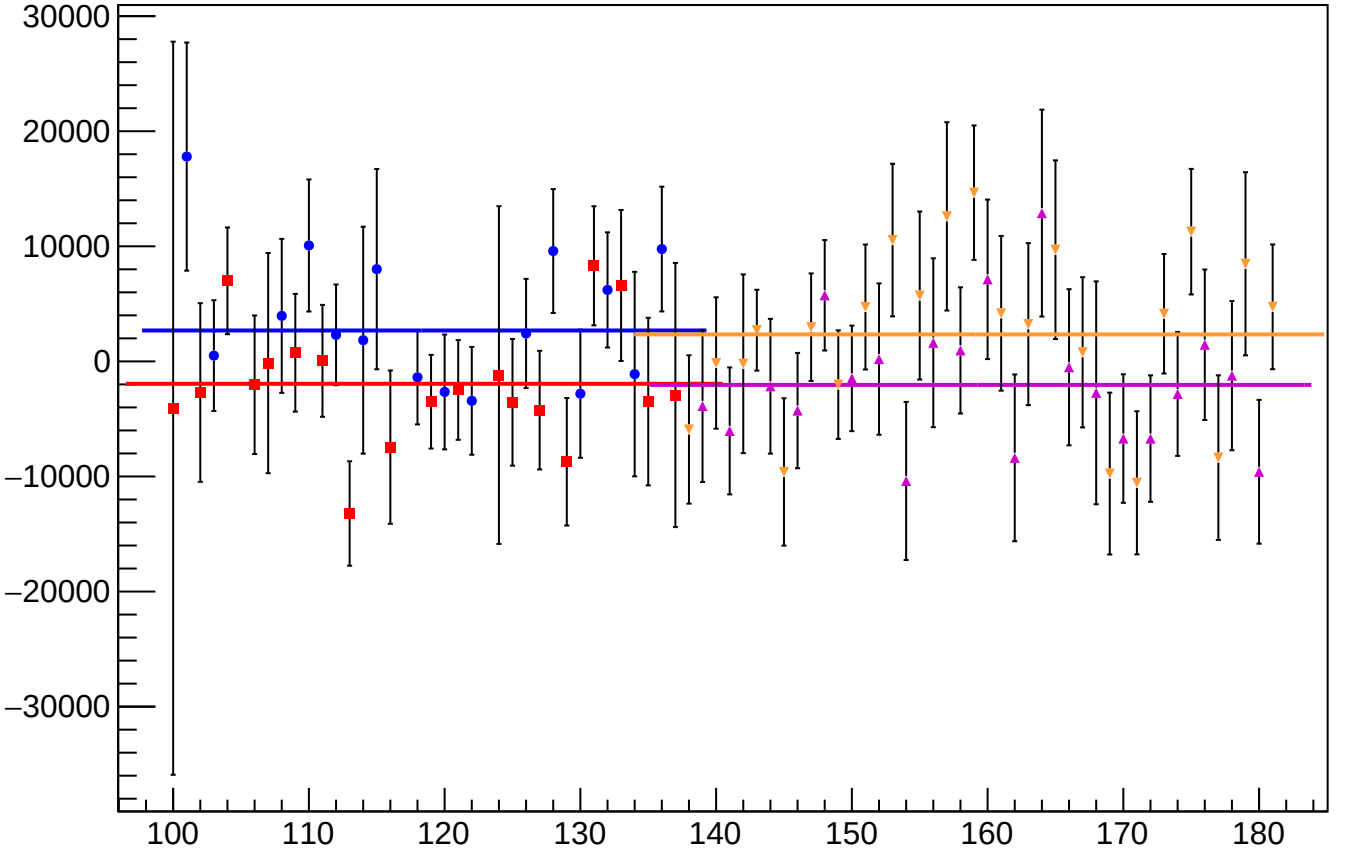
Left In: 5251.631+/-0.914 χ^2/NDF:1258407.2/20

+ sign 4025.032+/-0.599 χ^2/NDF: 5366245.9/38

All: 3901.207+/-0.418 χ^2/NDF: 12397215.3/7

- sign 3783.881+/-0.583 χ^2/NDF: 6947644.2/39

asym_atr1l2_avg_mean vs Slug



Right In: 2685.414+/-1379.907 χ^2/NDF: 13.5/15

Left Out: 2344.319+/-1234.926 χ^2/NDF:28.4/22

Right Out: -1945.685+/-1332.986 χ^2/NDF: 18.7/18

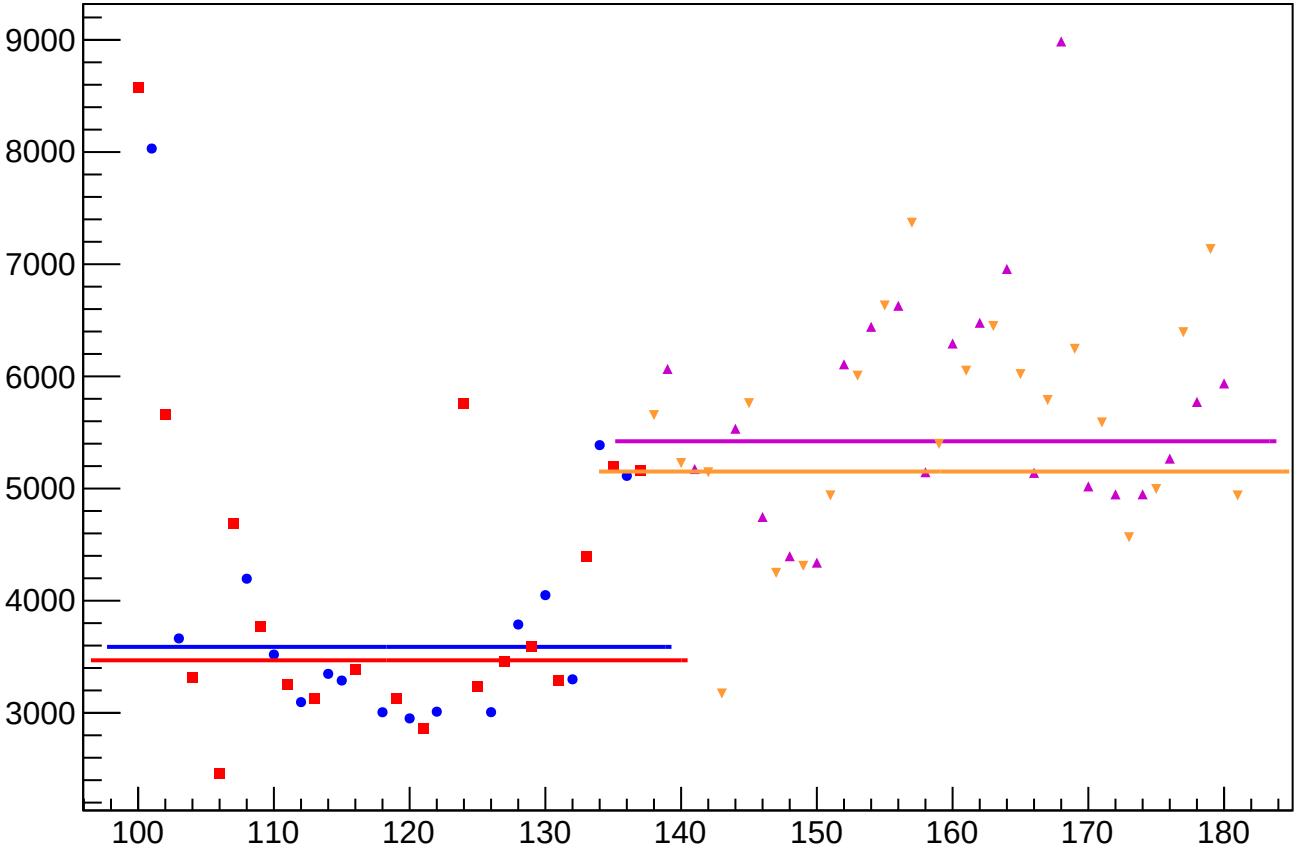
Left In: -2043.676+/-1325.625 χ^2/NDF:14.1/20

+ sign 2496.012+/-920.228 χ^2/NDF: 41.9/38

All: 298.140+/-657.561 χ^2/NDF: 86.4/78

- sign -1994.952+/-939.950 χ^2/NDF: 32.8/39

asym_atr1l2_avg_rms vs Slug



Right In: 3588.430+/-0.976 χ^2/NDF: 845218.6/15

Left Out: 5151.796+/-0.873 χ^2/NDF:1493818.1/22

Right Out: 3468.624+/-0.928 χ^2/NDF: 666541.5/18

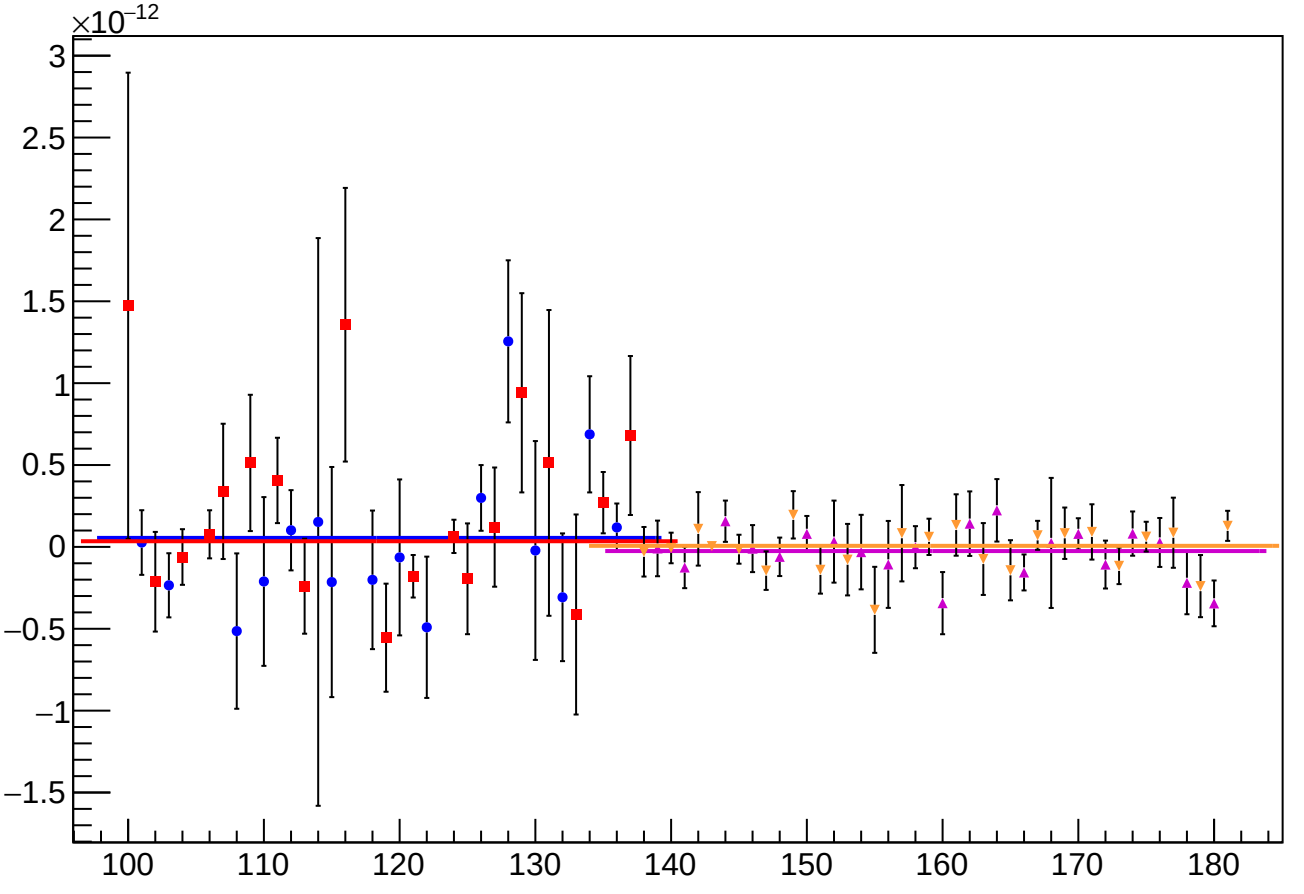
Left In: 5421.553+/-0.937 χ^2/NDF:856120.5/20

+ sign 4456.527+/-0.651 χ^2/NDF: 3764515.7/38

All: 4446.182+/-0.463 χ^2/NDF: 7479240.9/78

- sign 4435.553+/-0.660 χ^2/NDF: 3714212.8/39

asym_atr1l2_avg_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:14.9/22

Right Out: 0.000+/-0.000 χ^2/NDF: 22.3/18

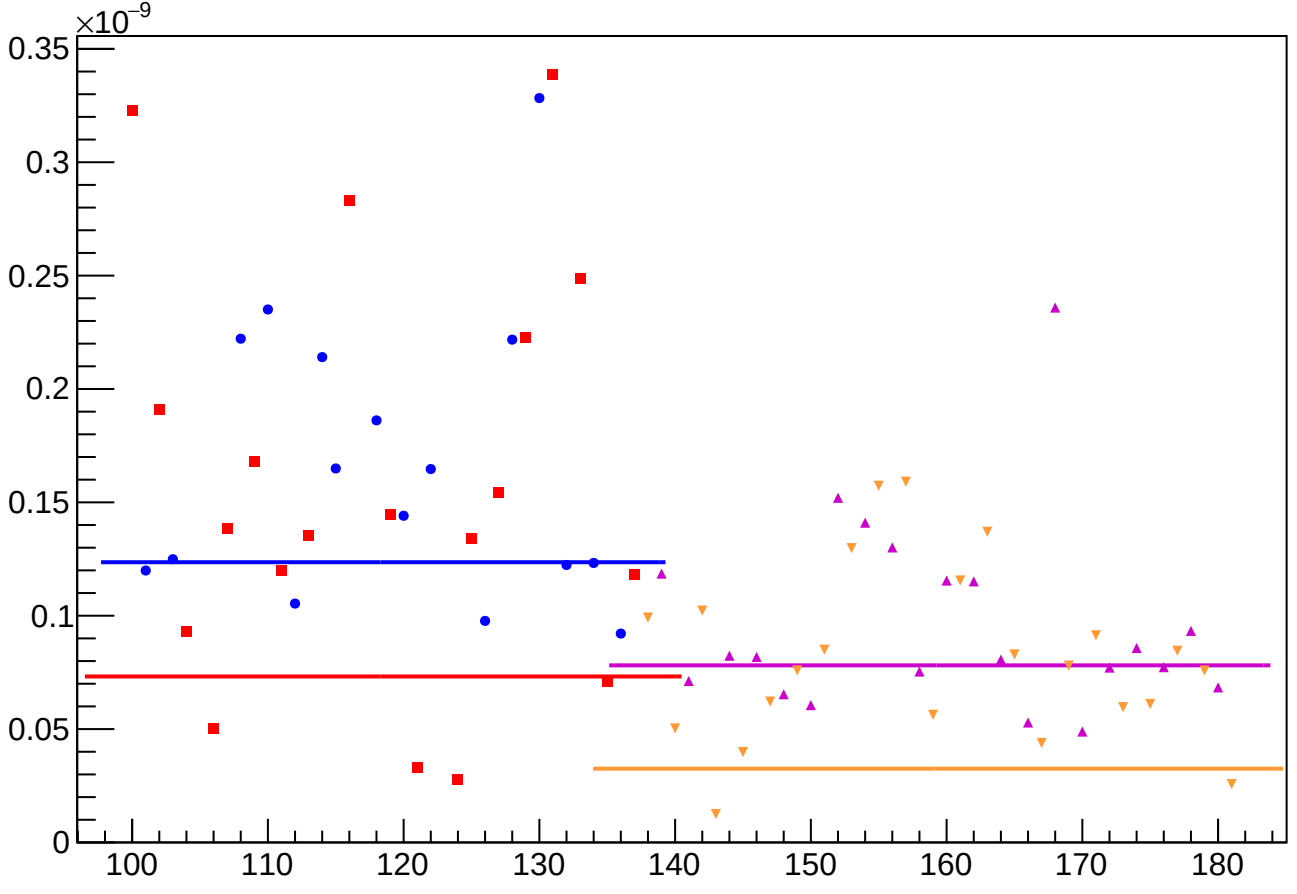
Left In: -0.000+/-0.000 χ^2/NDF:19.1/20

+ sign 0.000+/-0.000 χ^2/NDF: 33.0/38

All: 0.000+/-0.000 χ^2/NDF: 75.7/78

- sign -0.000+/-0.000 χ^2/NDF: 42.3/39

asym_atr1l2_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 662149.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:6121978.5/22

Right Out: 0.000+/-0.000 χ^2/NDF: 2188857.9/18

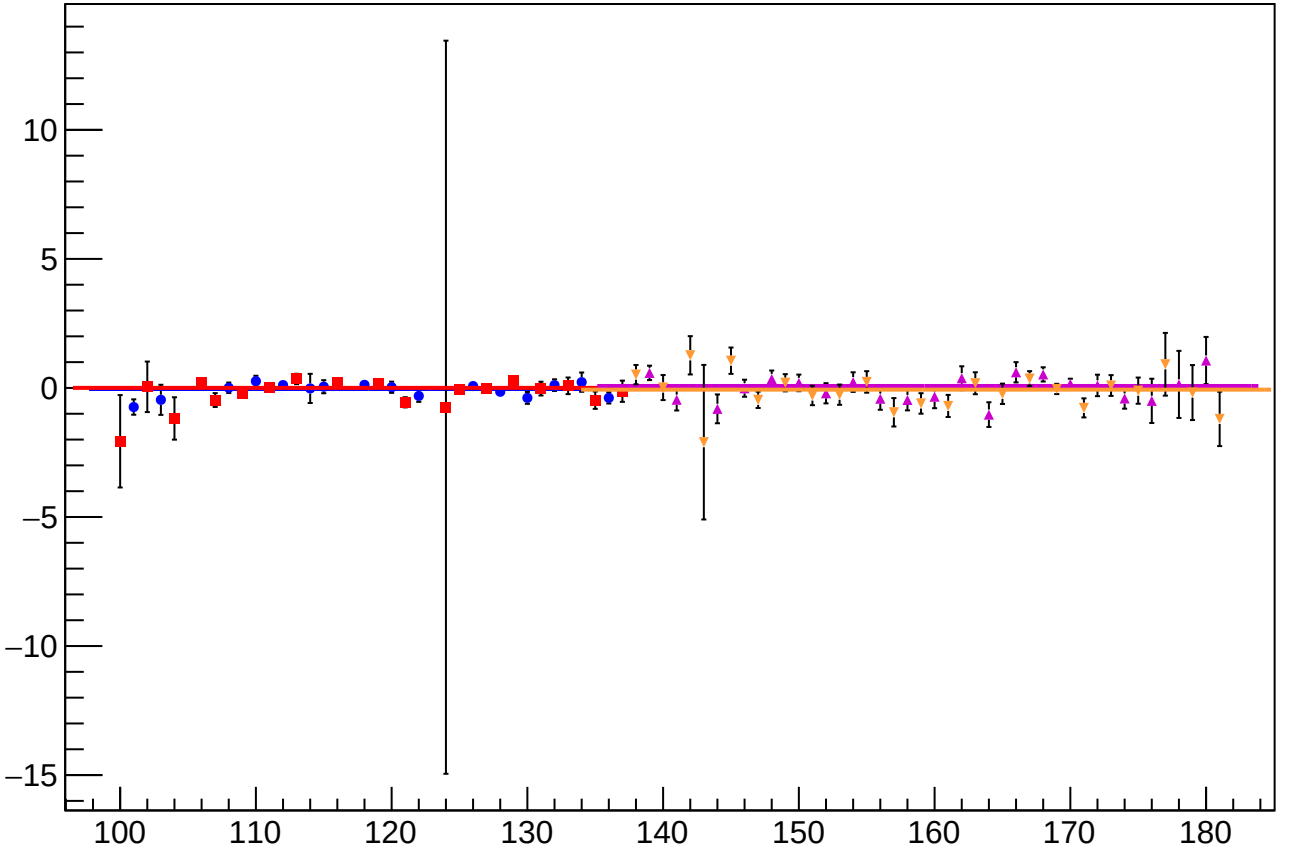
Left In: 0.000+/-0.000 χ^2/NDF:1388960.6/20

+ sign 0.000+/-0.000 χ^2/NDF: 9713113.0/38

All: 0.000+/-0.000 χ^2/NDF: 16267186.6/78

- sign 0.000+/-0.000 χ^2/NDF: 3590292.9/39

asym_atr1l2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: -0.066+/-0.085 χ^2/NDF:29.2/22

Right Out: 0.003+/-0.051 χ^2/NDF: 28.7/18

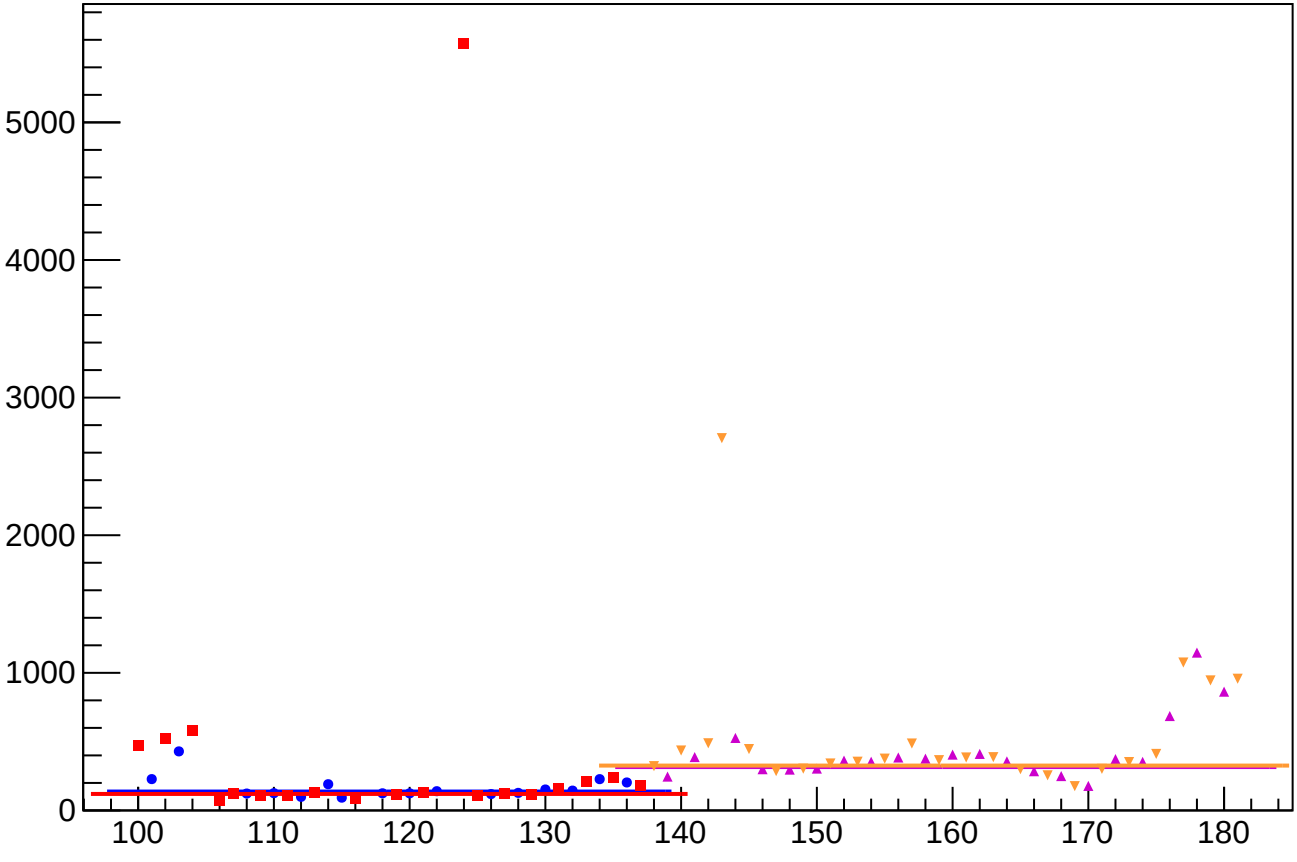
Left In: 0.076+/-0.082 χ^2/NDF:26.6/20

+ sign -0.048+/-0.047 χ^2/NDF: 47.2/38

All: -0.010+/-0.032 χ^2/NDF: 104.3/78

- sign 0.023+/-0.043 χ^2/NDF: 55.8/39

asym_atr1l2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 137.399+/-0.039 χ^2/NDF: 1268257.0/15

Left Out: 326.107+/-0.060 χ^2/NDF:5410240.8/22

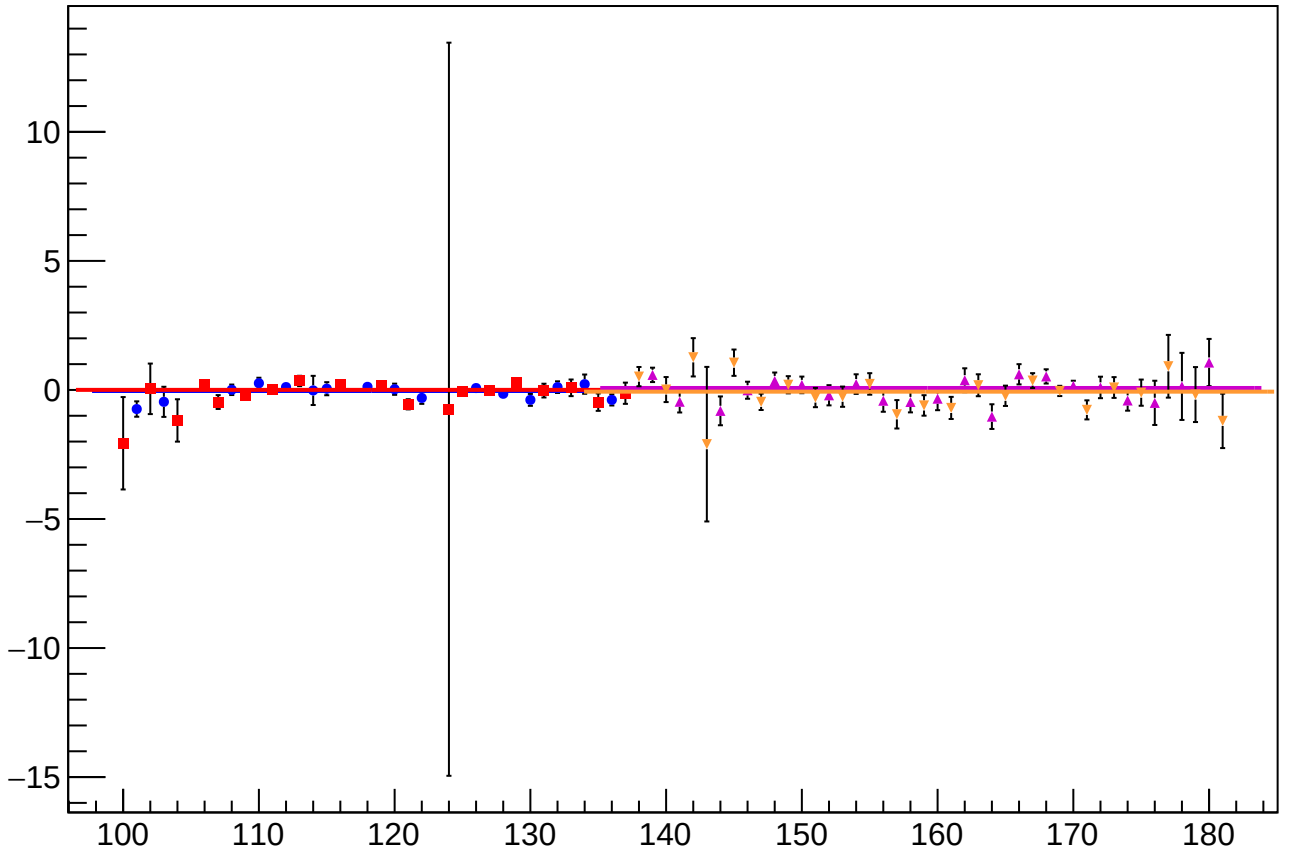
Right Out: 120.006+/-0.036 χ^2/NDF: 2139894.0/18

Left In: 315.346+/-0.058 χ^2/NDF:3830031.2/20

+ sign 194.686+/-0.033 χ^2/NDF: 13617251.7/38

All: 183.763+/-0.022 χ^2/NDF: 27976738.9/78

- sign 174.339+/-0.031 χ^2/NDF: 14154648.6/39



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: -0.066+/-0.085 χ^2/NDF:29.2/22

Right Out: 0.003+/-0.051 χ^2/NDF: 28.7/18

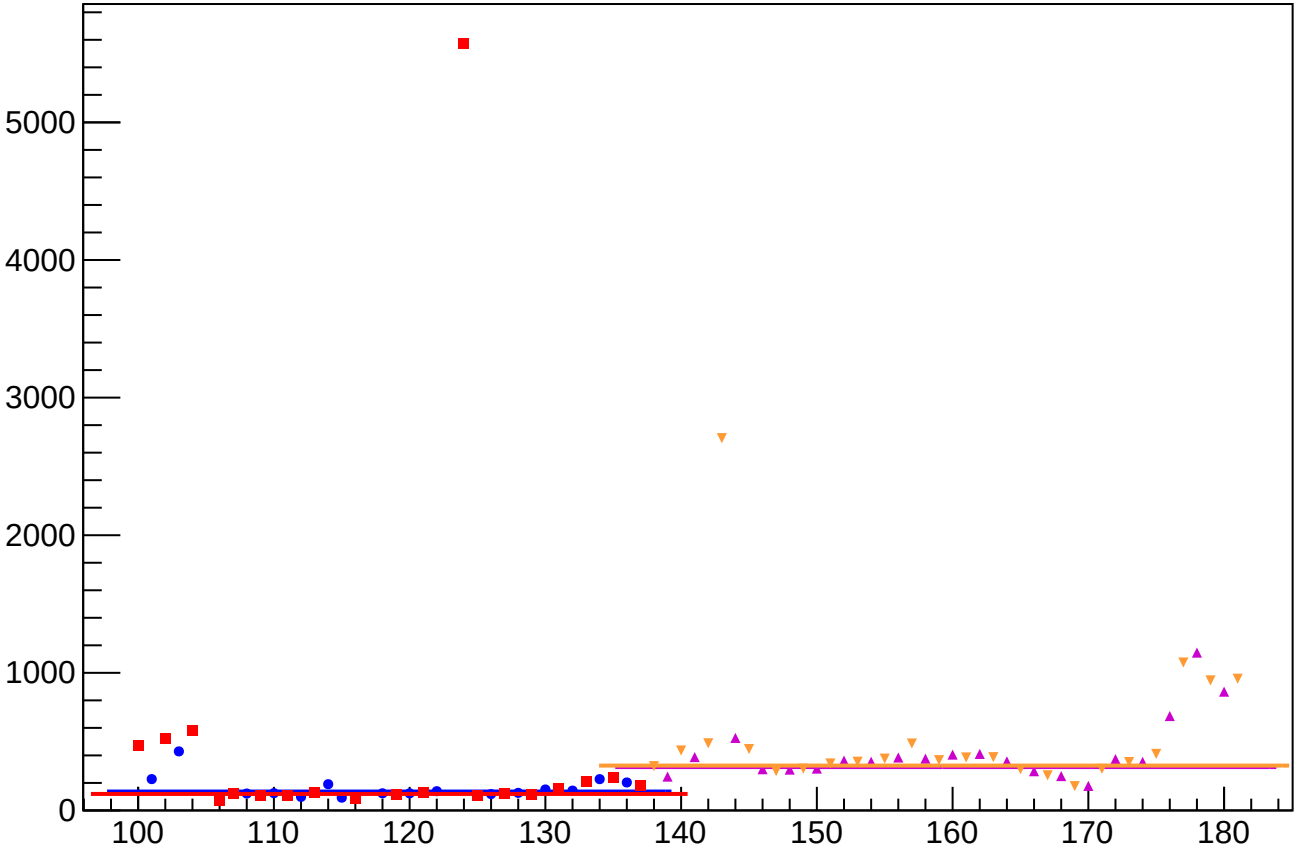
Left In: 0.076+/-0.082 χ^2/NDF:26.6/20

+ sign -0.048+/-0.047 χ^2/NDF: 47.2/38

All: -0.010+/-0.032 χ^2/NDF: 104.3/78

- sign 0.023+/-0.043 χ^2/NDF: 55.8/39

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: 326.107+/-0.060 χ^2/NDF:5410240.8/22

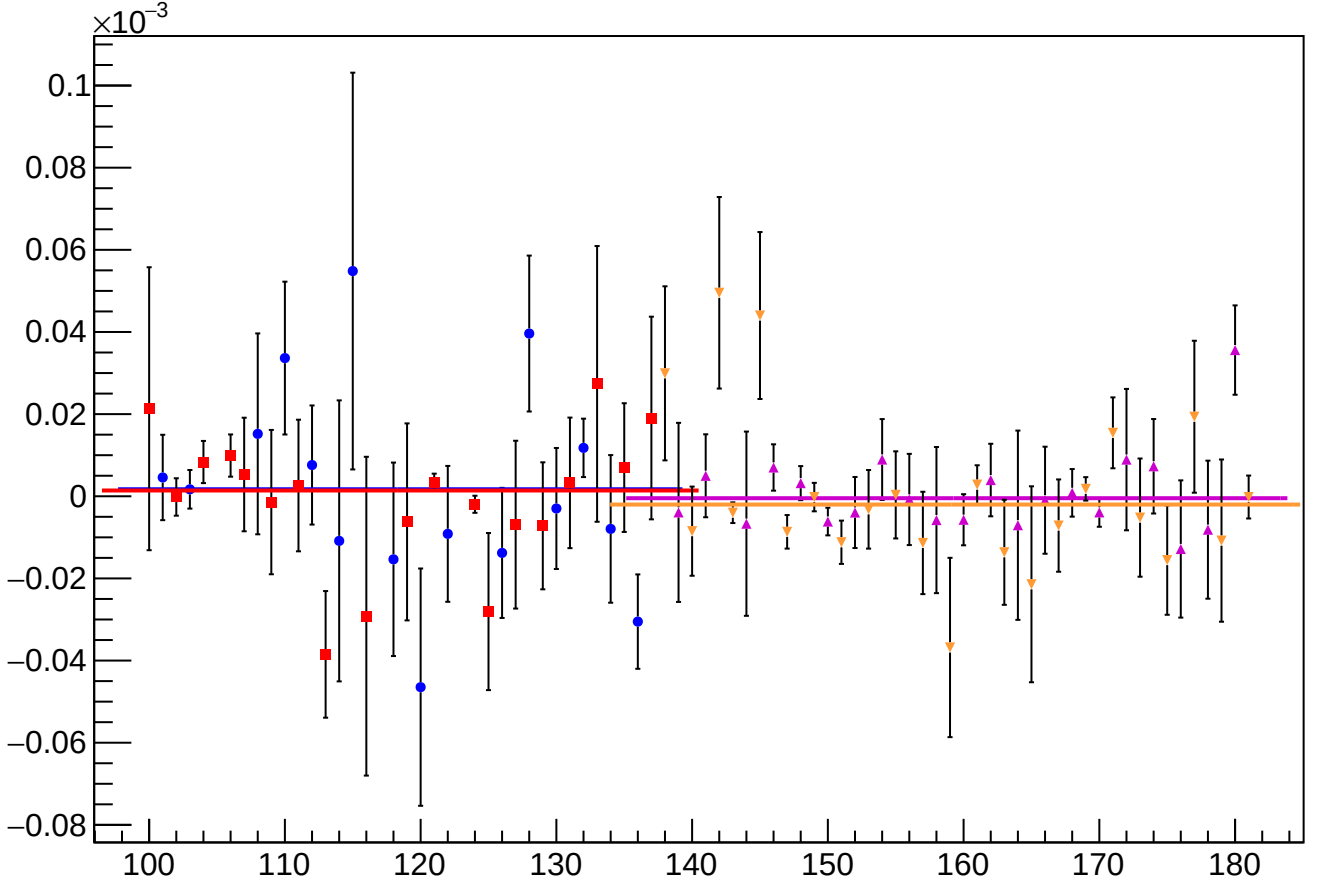
Right Out: 120.006+/-0.036 χ^2/NDF: 2139894.0/18

Left In: 315.346+/-0.058 χ^2/NDF:3830031.2/20

+ sign 194.686+/-0.033 χ^2/NDF: 13617251.7/38

All: 183.763+/-0.022 χ^2/NDF: 27976738.9/78

- sign 174.339+/-0.031 χ^2/NDF: 14154648.6/39



Right In: 0.000+/-0.000 χ^2/NDF: 23.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:33.8/22

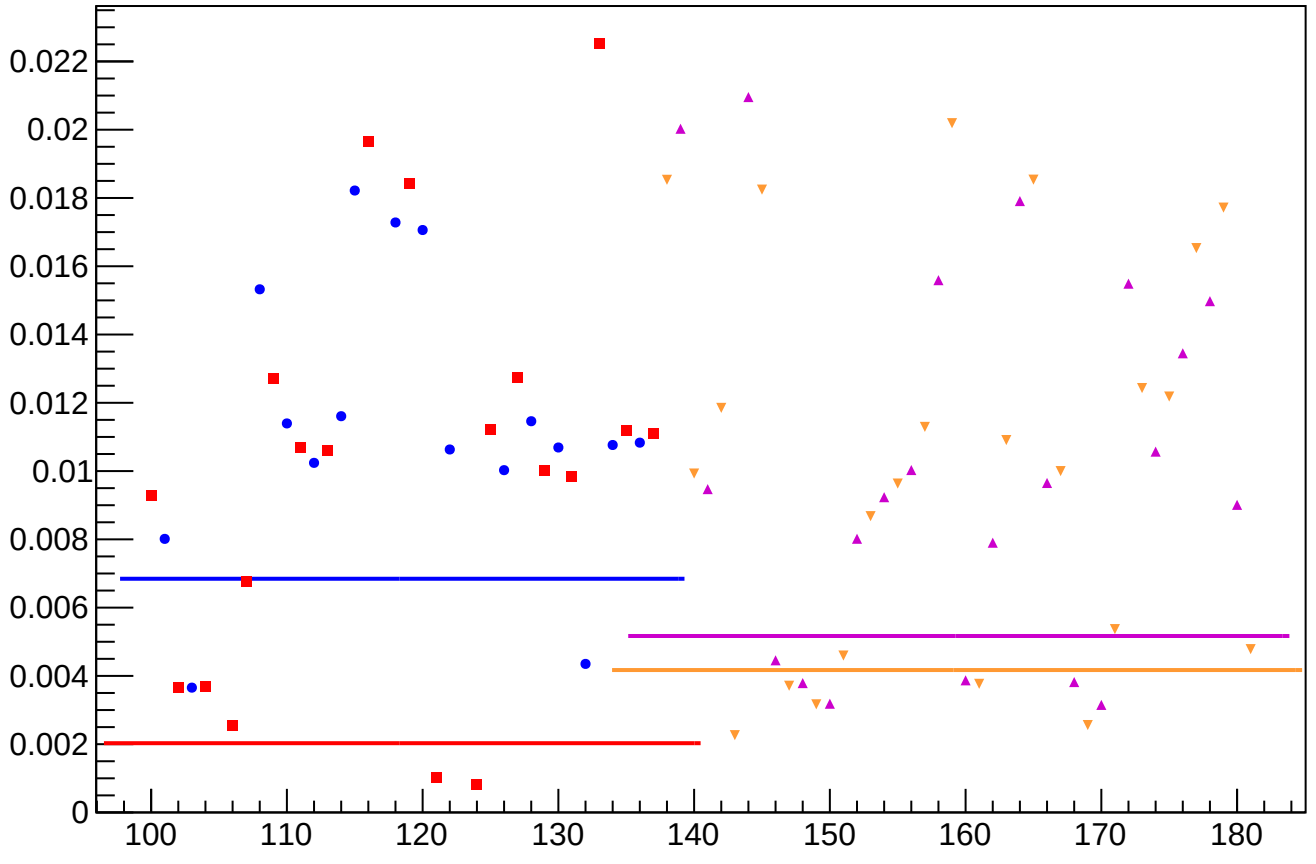
Right Out: 0.000+/-0.000 χ^2/NDF: 20.3/18

Left In: -0.000+/-0.000 χ^2/NDF:21.5/20

+ sign -0.000+/-0.000 χ^2/NDF: 58.9/38

All: -0.000+/-0.000 χ^2/NDF: 103.5/78

- sign 0.000+/-0.000 χ^2/NDF: 42.6/39



Right In: 0.007+/-0.000 χ^2/NDF: 3230112.6/15

Left Out: 0.004+/-0.000 χ^2/NDF:12471832.0/22

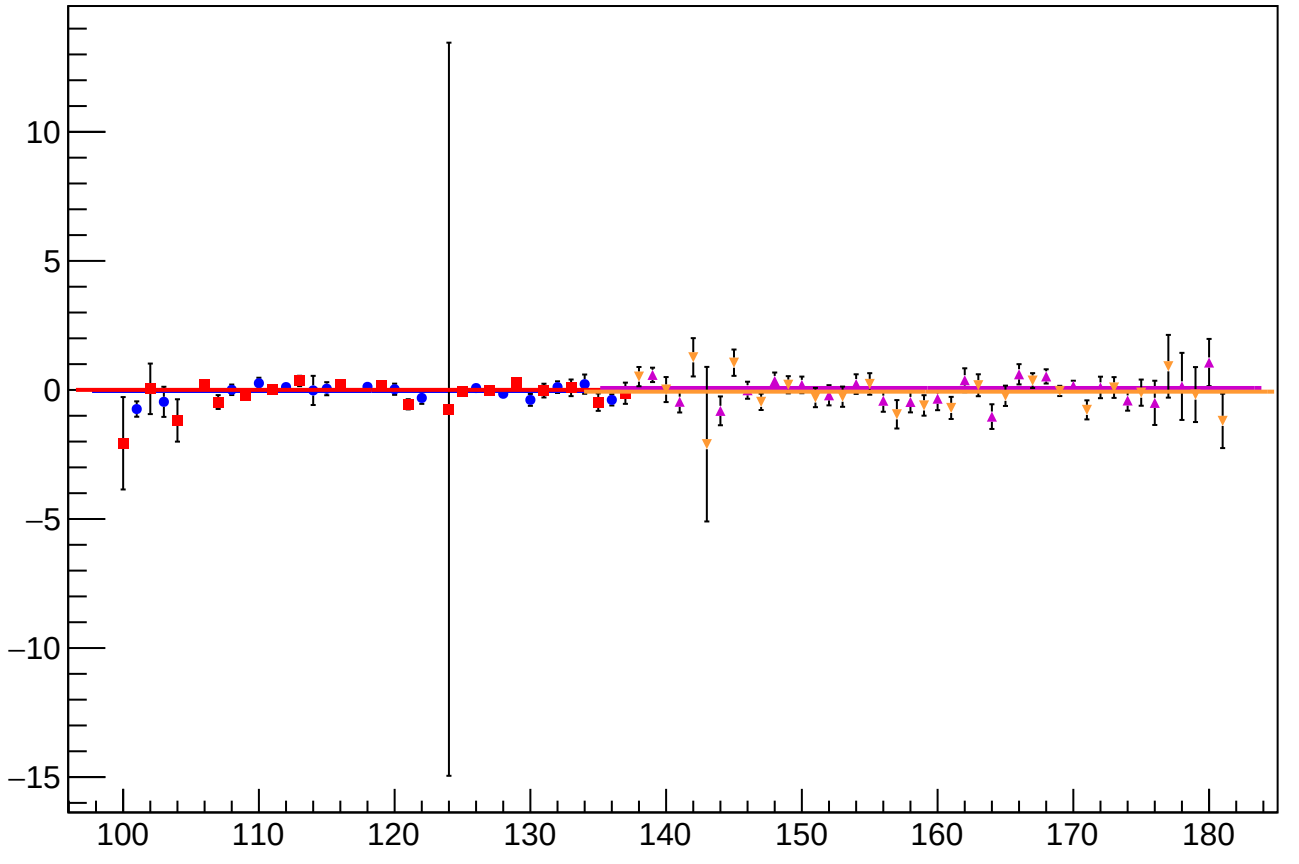
Right Out: 0.002+/-0.000 χ^2/NDF: 9007527.0/18

Left In: 0.005+/-0.000 χ^2/NDF:9338999.8/20

+ sign 0.005+/-0.000 χ^2/NDF: 17078293.2/38

All: 0.004+/-0.000 χ^2/NDF: 41843409.0/78

- sign 0.003+/-0.000 χ^2/NDF: 23260052.4/39



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: -0.066+/-0.085 χ^2/NDF:29.2/22

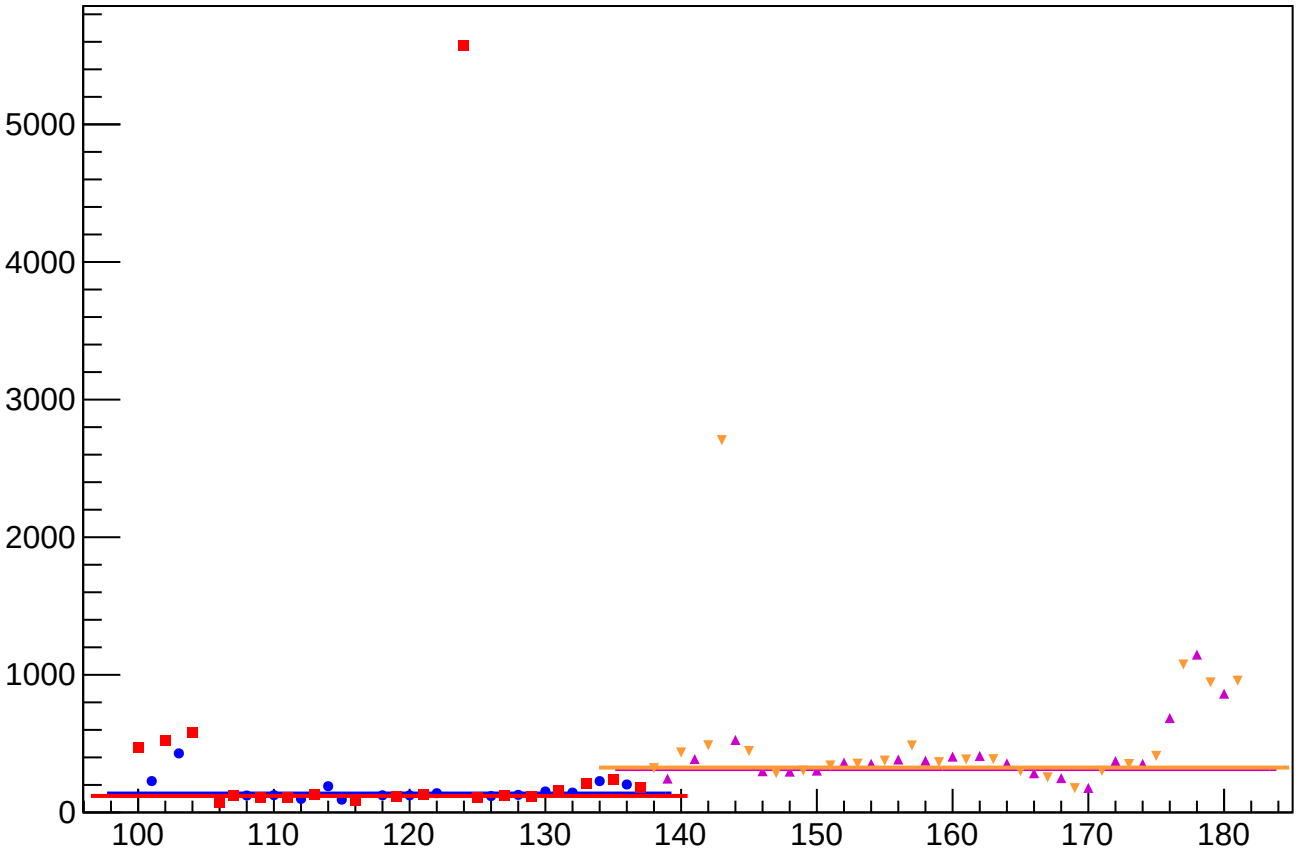
Right Out: 0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: 0.076+/-0.082 χ^2/NDF:26.6/20

+ sign -0.048+/-0.047 χ^2/NDF: 47.2/38

All: -0.010+/-0.032 χ^2/NDF: 104.3/78

- sign 0.023+/-0.043 χ^2/NDF: 55.8/39



Right In: 137.400+/-0.039 χ^2/NDF: 1268197.9/15

Left Out: 326.109+/-0.060 χ^2/NDF:5410293.3/22

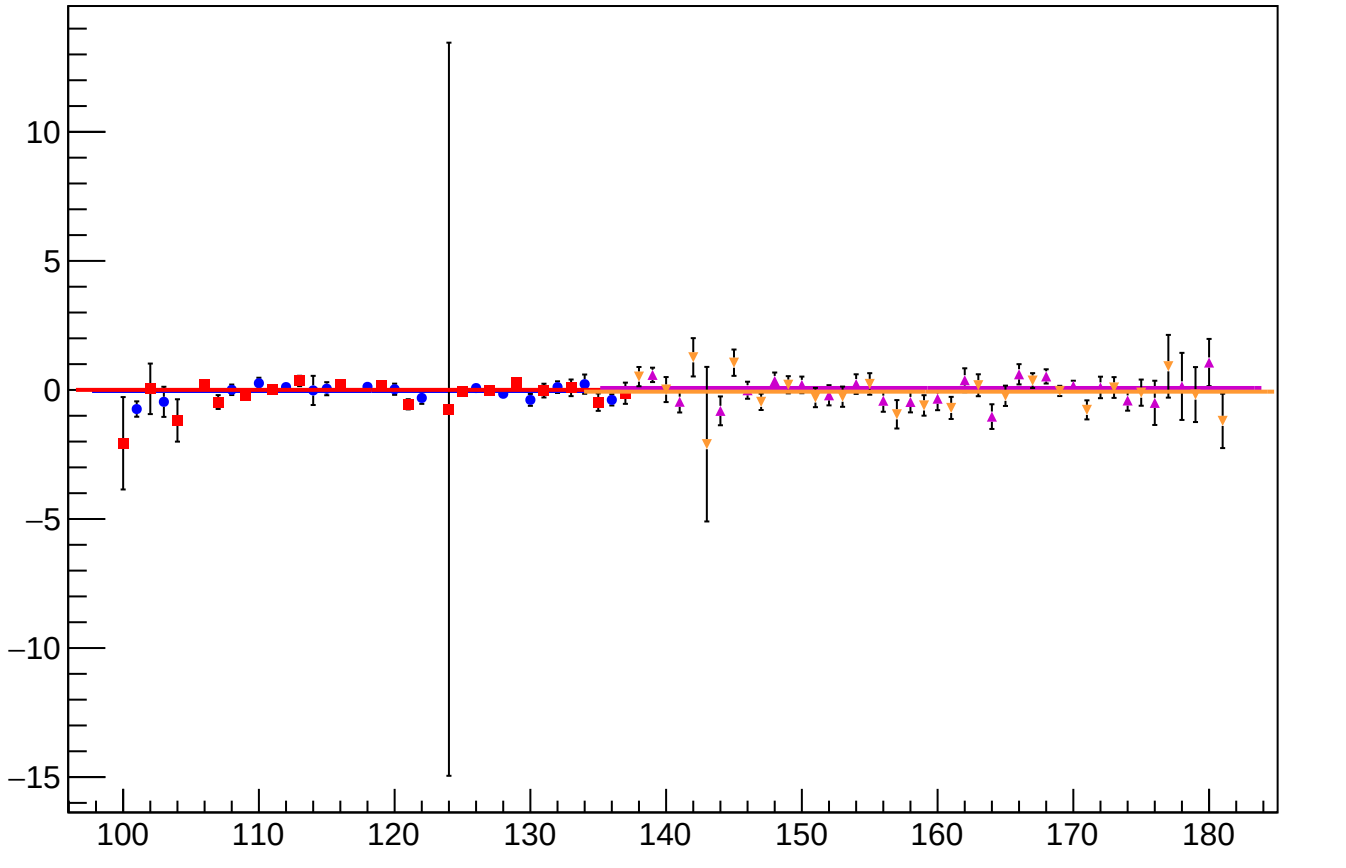
Right Out: 120.006+/-0.036 χ^2/NDF: 2139820.8/18

Left In: 315.349+/-0.058 χ^2/NDF:3830031.3/20

+ sign 194.687+/-0.033 χ^2/NDF: 13617231.6/38

All: 183.763+/-0.022 χ^2/NDF: 27976799.4/78

- sign 174.339+/-0.031 χ^2/NDF: 14154707.2/39



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: -0.066+/-0.085 χ^2/NDF:29.2/22

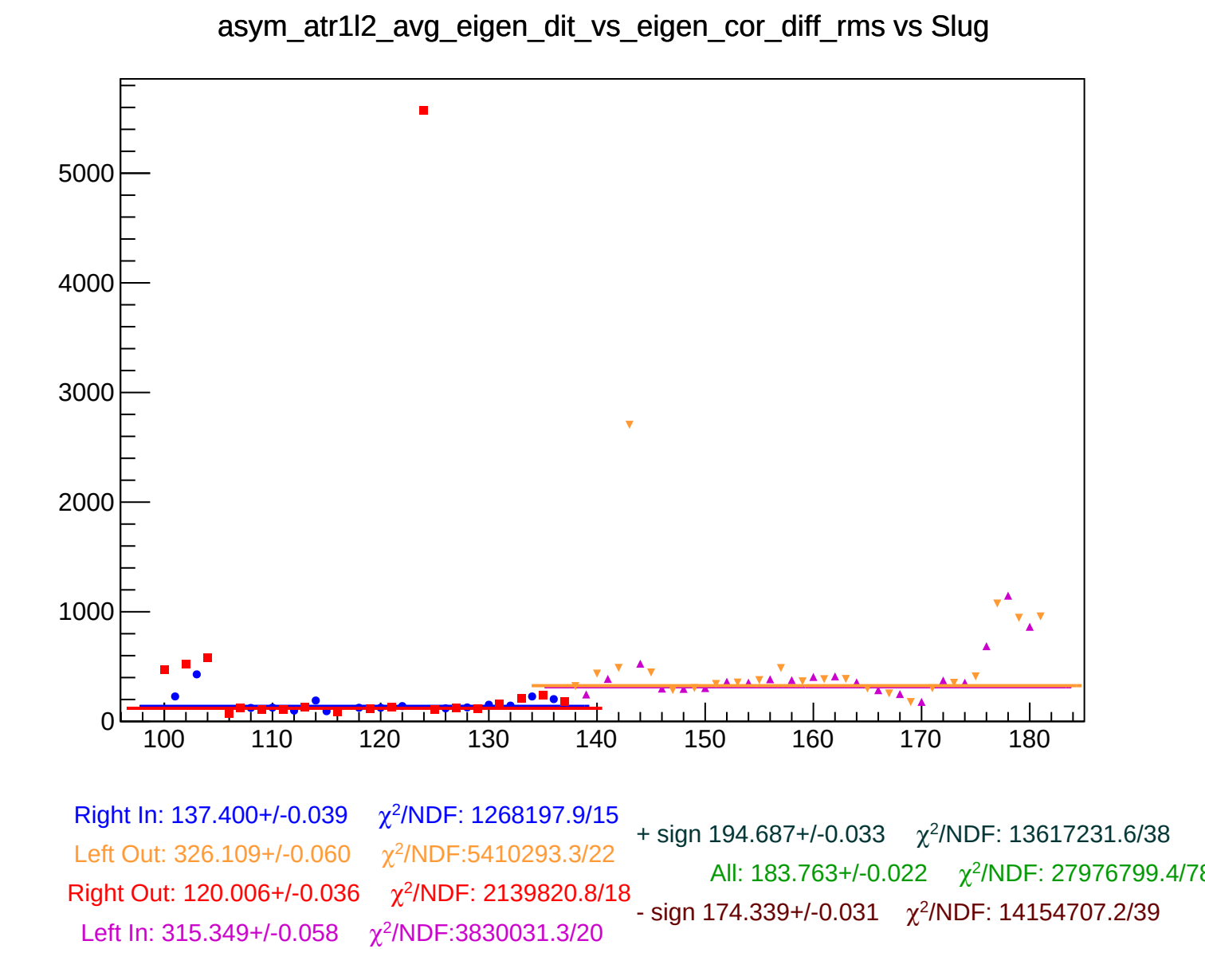
Right Out: 0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: 0.076+/-0.082 χ^2/NDF:26.6/20

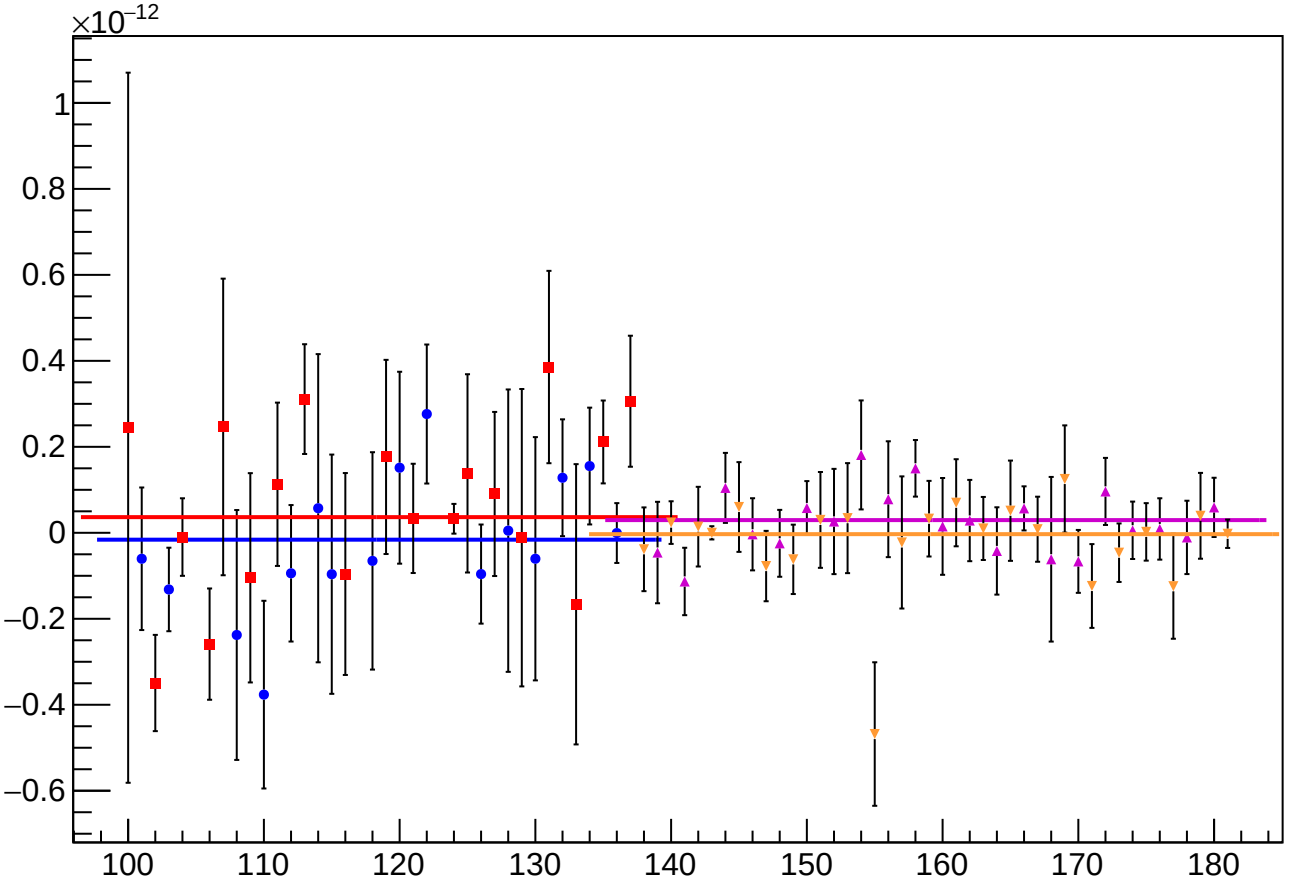
+ sign -0.048+/-0.047 χ^2/NDF: 47.2/38

All: -0.010+/-0.032 χ^2/NDF: 104.3/78

- sign 0.023+/-0.043 χ^2/NDF: 55.8/39


asym_atr1l2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
5000
4000
3000
2000
1000
0
100
110
120
130
140
150
160
170
180
Right In: 137.400+/-0.039 χ²/NDF: 1268197.9/15
Left Out: 326.109+/-0.060 χ²/NDF:5410293.3/22
Right Out: 120.006+/-0.036 χ²/NDF: 2139820.8/18
Left In: 315.349+/-0.058 χ²/NDF:3830031.3/20
+ sign 194.687+/-0.033 χ²/NDF: 13617231.6/38
All: 183.763+/-0.022 χ²/NDF: 27976799.4/78
- sign 174.339+/-0.031 χ²/NDF: 14154707.2/39

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:15.3/22

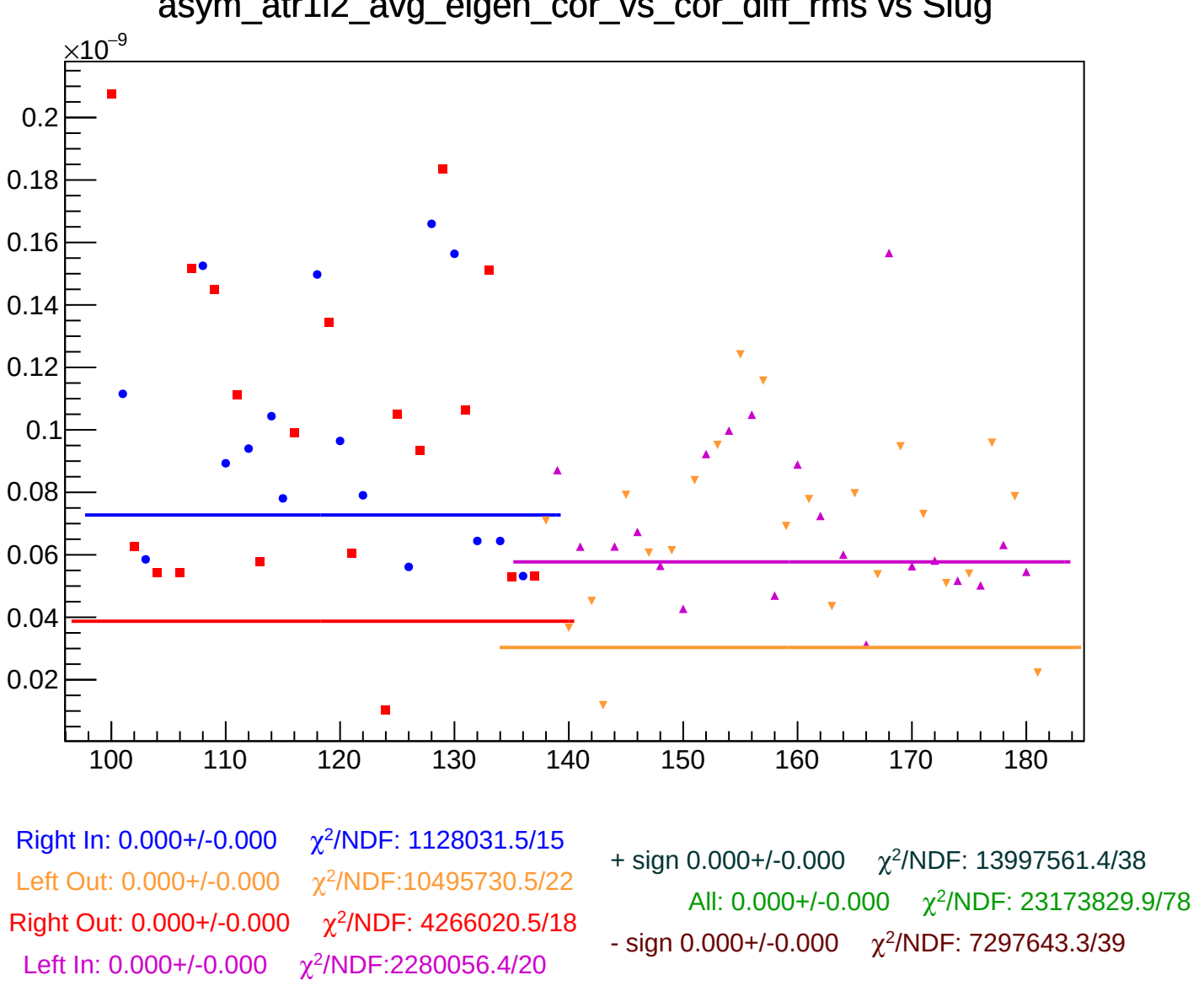
Right Out: 0.000+/-0.000 χ^2/NDF: 33.2/18

Left In: 0.000+/-0.000 χ^2/NDF:14.4/20

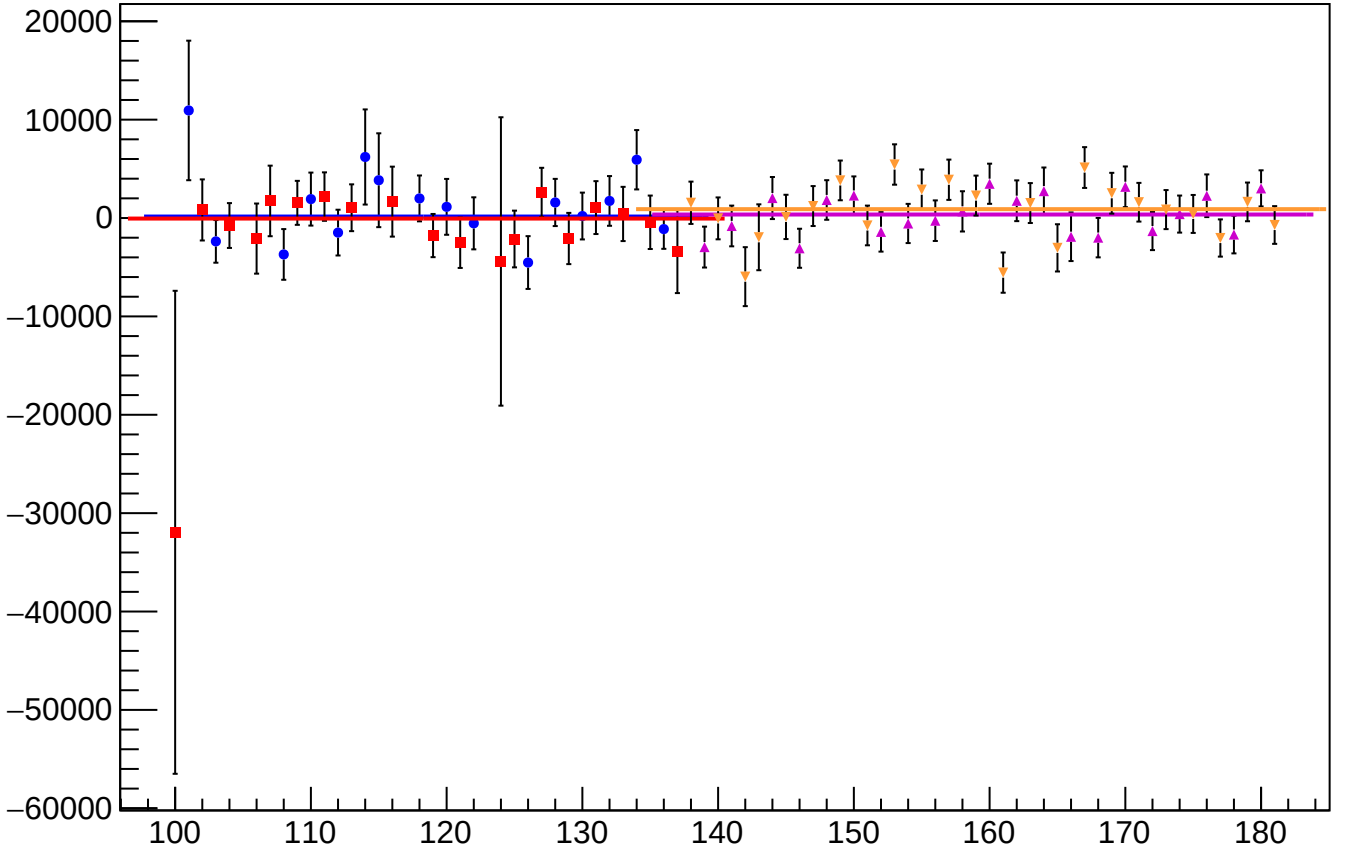
+ sign -0.000+/-0.000 χ^2/NDF: 27.7/38

All: 0.000+/-0.000 χ^2/NDF: 79.3/78

- sign 0.000+/-0.000 χ^2/NDF: 47.6/39


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:10495730.5/22
Right Out: 0.000+/-0.000 χ²/NDF: 4266020.5/18
Left In: 0.000+/-0.000 χ²/NDF:2280056.4/20
+ sign 0.000+/-0.000 χ²/NDF: 13997561.4/38
All: 0.000+/-0.000 χ²/NDF: 23173829.9/78
- sign 0.000+/-0.000 χ²/NDF: 7297643.3/39

reg_asym_atr1l2_dd_mean vs Slug



Right In: 150.722+/-667.029 χ^2/NDF: 17.7/15

Left Out: 902.180+/-437.054 χ^2/NDF:38.5/22

Right Out: -54.106+/-655.266 χ^2/NDF: 9.0/18

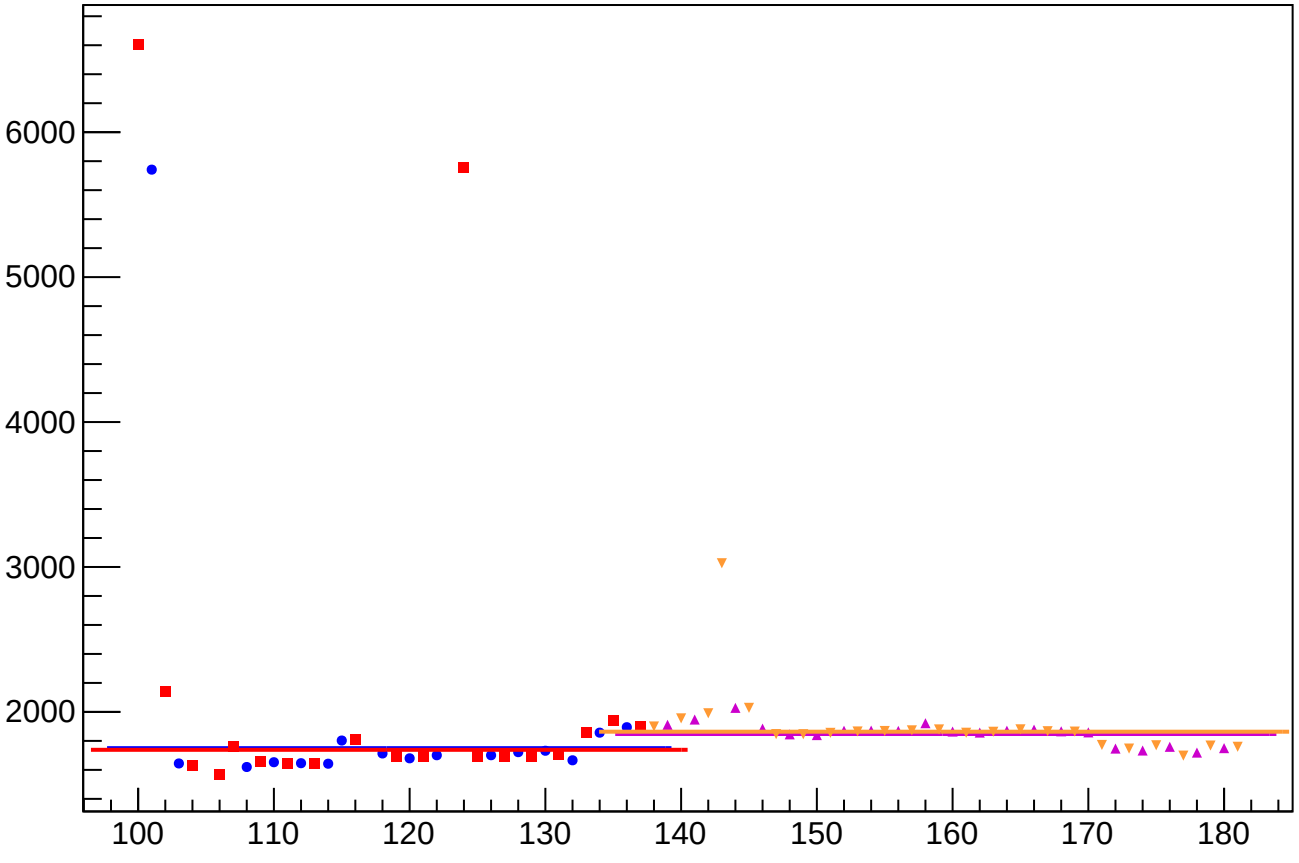
Left In: 357.003+/-445.170 χ^2/NDF:21.7/20

+ sign 676.467+/-365.570 χ^2/NDF: 57.1/38

All: 453.451+/-259.432 χ^2/NDF: 88.7/78

- sign 227.177+/-368.230 χ^2/NDF: 30.9/39

reg_asym_atr1l2_dd_rms vs Slug



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.0/15

Left Out: 1863.463+/-0.309 χ^2/NDF:301823.8/22

Right Out: 1738.493+/-0.460 χ^2/NDF: 304493.3/18

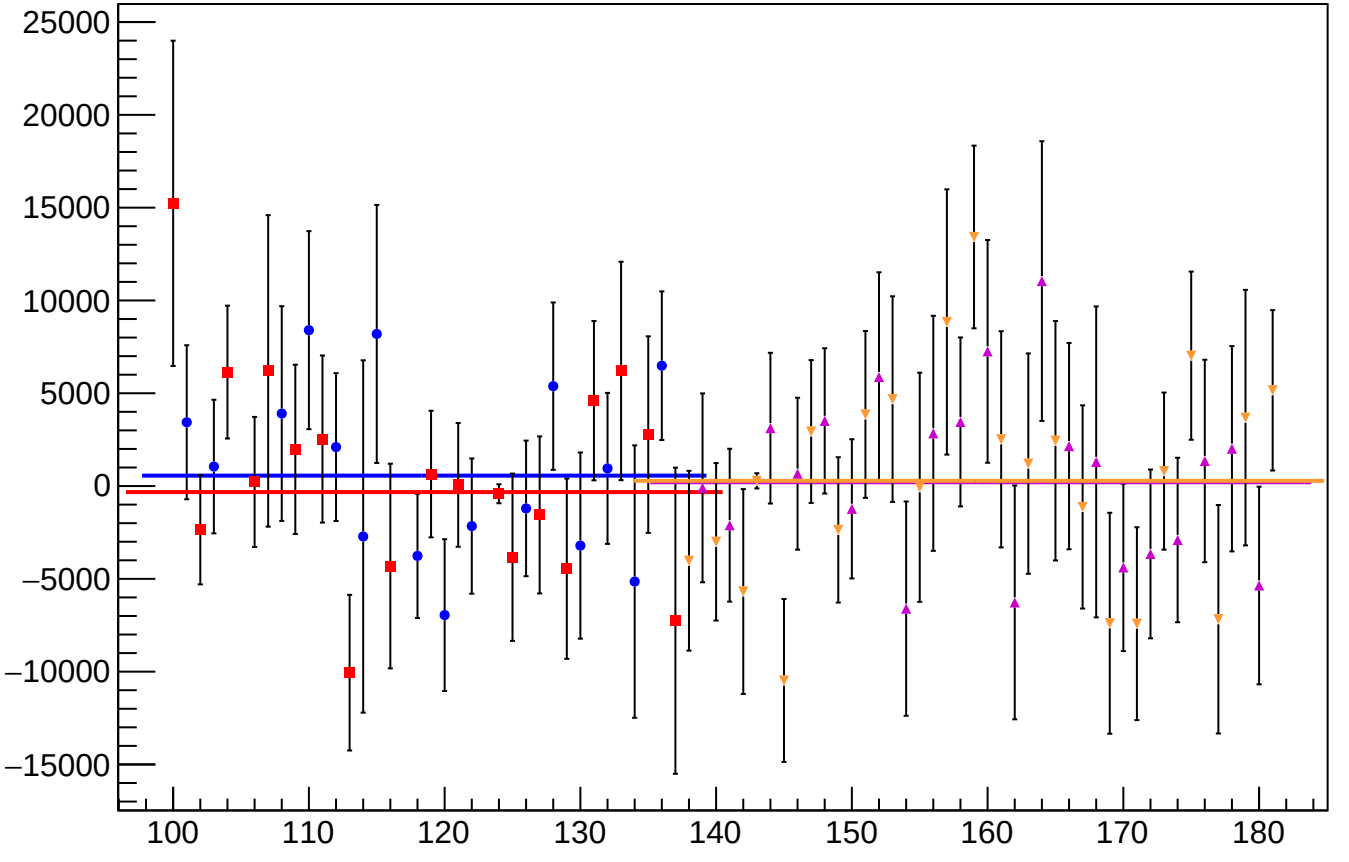
Left In: 1847.567+/-0.315 χ^2/NDF:56391.3/20

+ sign 1829.341+/-0.258 χ^2/NDF: 1011983.6/38

All: 1821.099+/-0.183 χ^2/NDF: 1413211.0/78

- sign 1812.774+/-0.260 χ^2/NDF: 399183.7/39

asym_atr1l2_dd_reg_correction_mean vs Slug



Right In: 562.339+/-1101.163 χ^2/NDF: 14.8/15

Left Out: 280.881+/-382.189 χ^2/NDF:28.8/22

Right Out: -325.567+/-457.948 χ^2/NDF: 19.2/18

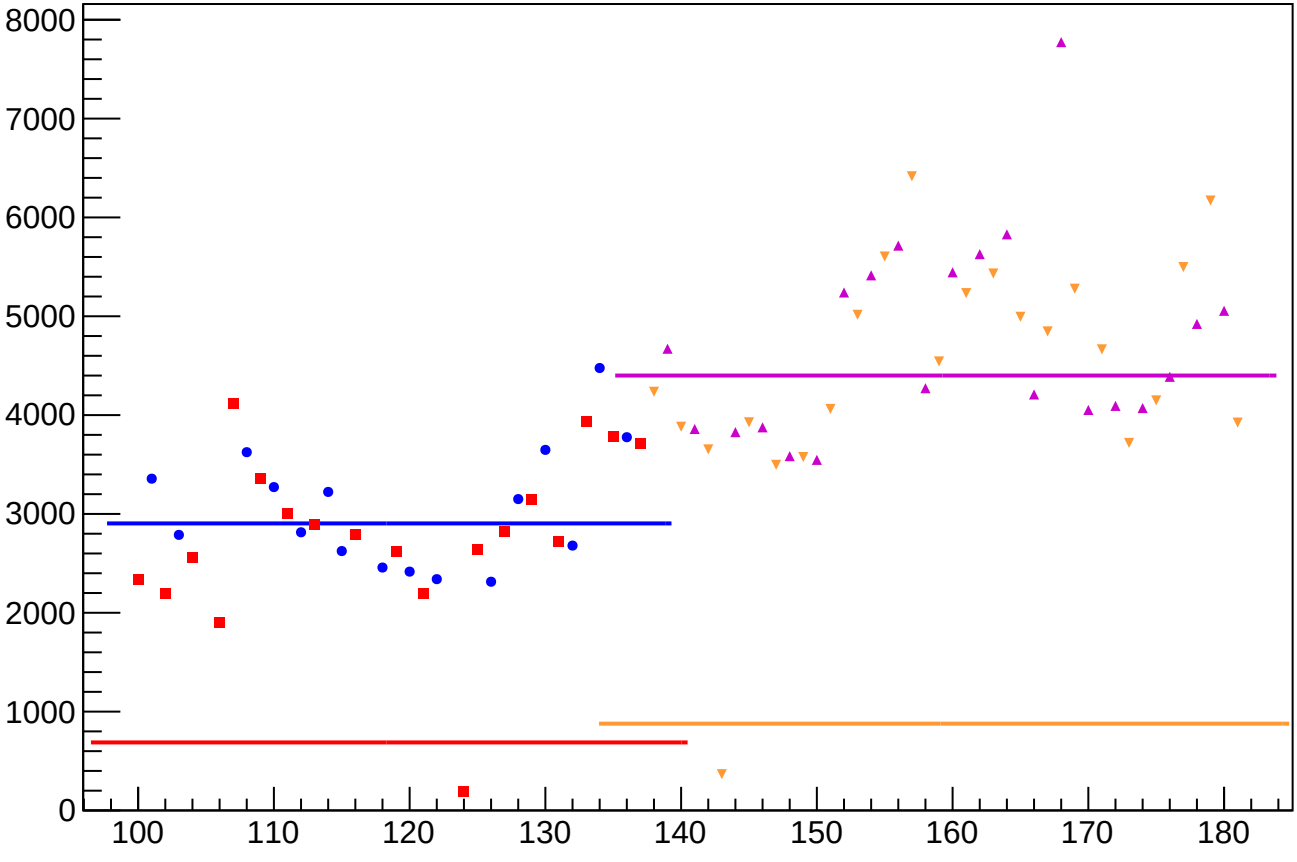
Left In: 203.929+/-1080.748 χ^2/NDF:12.9/20

+ sign 311.141+/-361.060 χ^2/NDF: 43.6/38

All: 75.883+/-274.252 χ^2/NDF: 77.0/78

- sign -244.968+/-421.656 χ^2/NDF: 32.4/39

asym_atr1l2_dd_reg_correction_rms vs Slug



Right In: 2904.059+/-0.779 χ^2/NDF: 479774.3/15

Left Out: 878.267+/-0.270 χ^2/NDF:25598326.9/22

Right Out: 688.319+/-0.324 χ^2/NDF: 10148914.1/18

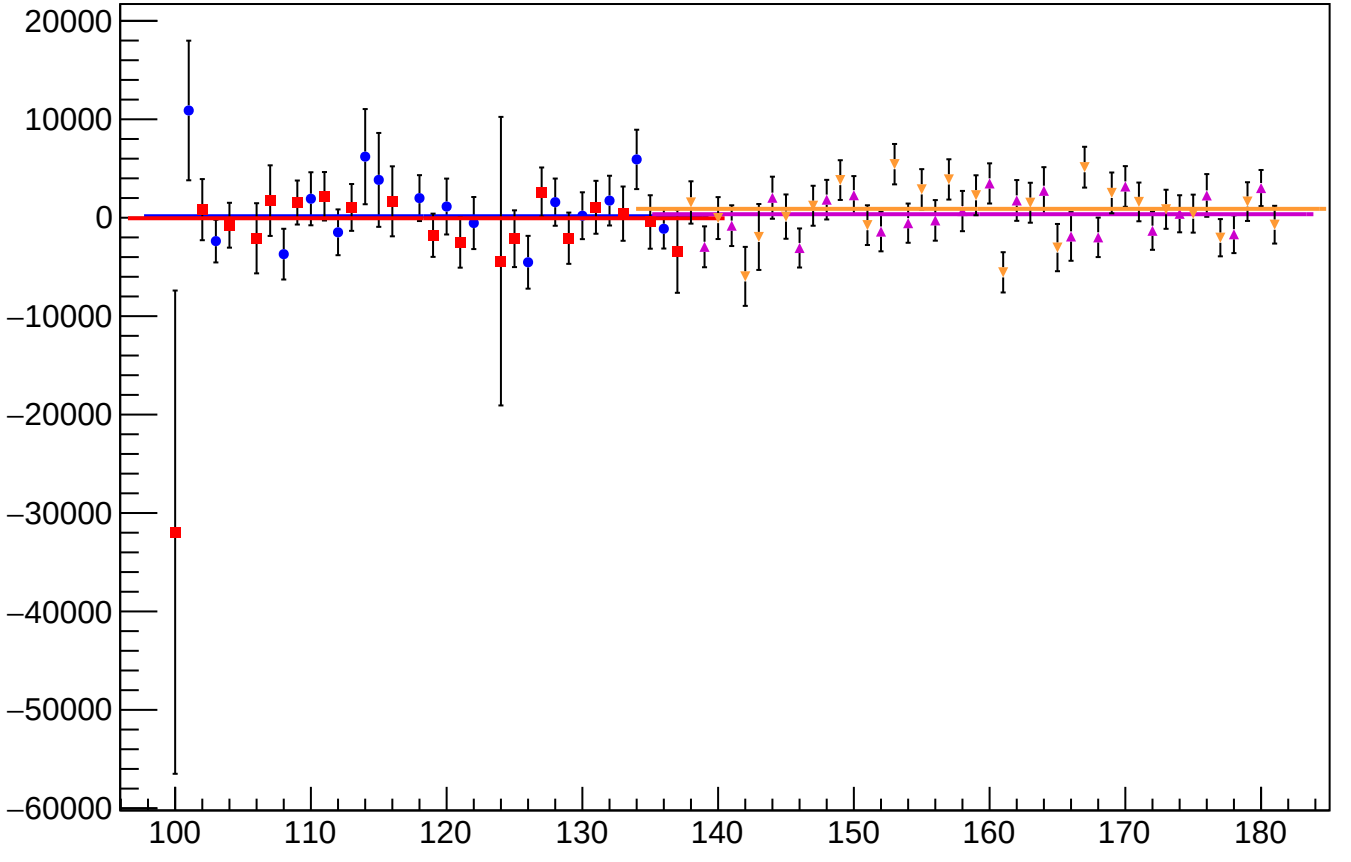
Left In: 4400.391+/-0.764 χ^2/NDF:1112027.5/20

+ sign 1096.063+/-0.255 χ^2/NDF: 32119249.3/38

All: 1162.609+/-0.194 χ^2/NDF: 63543897.9/7

- sign 1253.365+/-0.298 χ^2/NDF: 31264056.3/39

cor_asym_atr1l2_dd_mean vs Slug



Right In: 150.254+/-667.029 χ^2/NDF: 17.6/15

Left Out: 902.163+/-437.054 χ^2/NDF:38.5/22

Right Out: -54.158+/-655.266 χ^2/NDF: 9.0/18

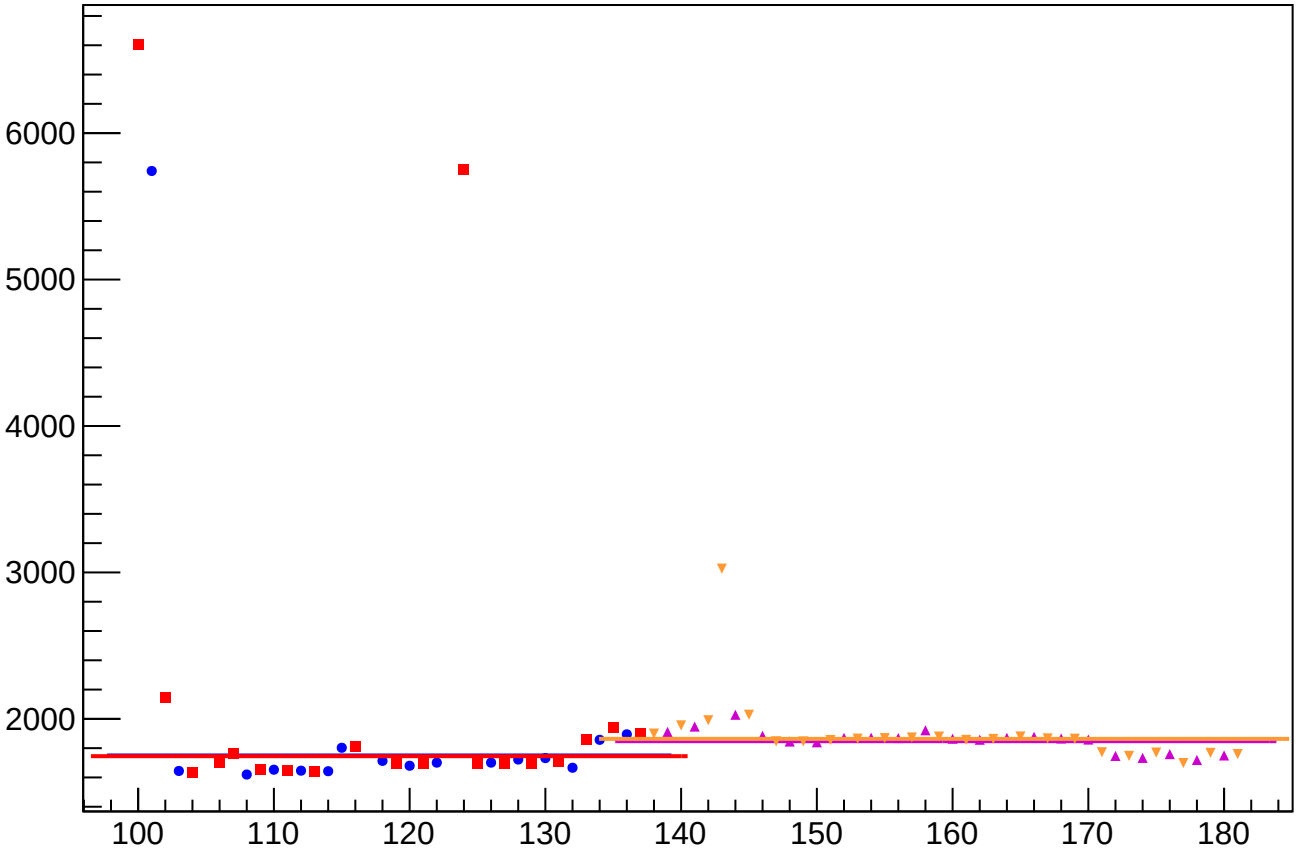
Left In: 356.926+/-445.170 χ^2/NDF:21.7/20

+ sign 676.315+/-365.570 χ^2/NDF: 57.1/38

All: 453.340+/-259.433 χ^2/NDF: 88.7/78

- sign 227.108+/-368.230 χ^2/NDF: 30.9/39

cor_asym_atr1l2_dd_rms vs Slug



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.1/15

Left Out: 1863.463+/-0.309 χ^2/NDF:301823.8/22

Right Out: 1745.188+/-0.462 χ^2/NDF: 297979.0/18

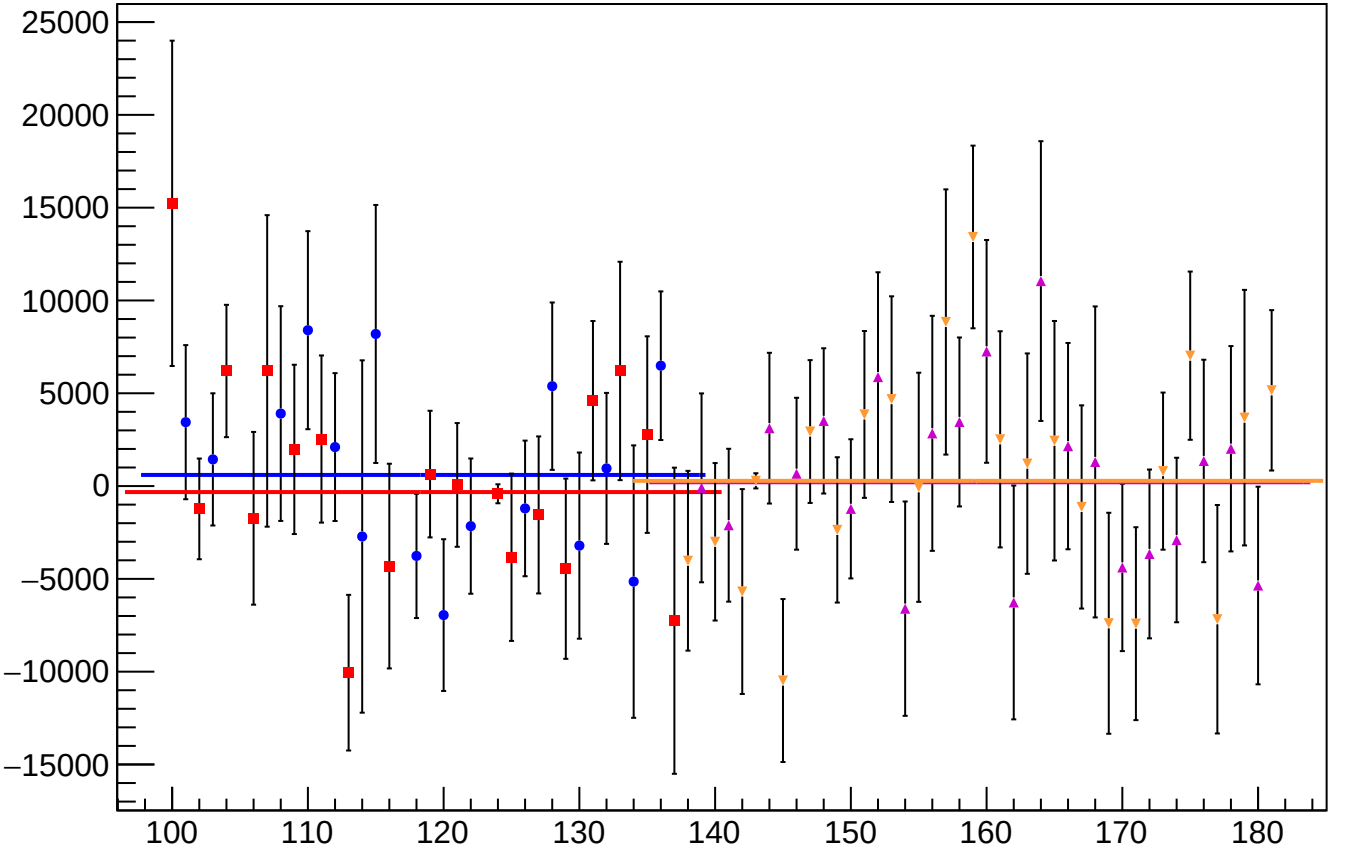
Left In: 1847.567+/-0.315 χ^2/NDF:56391.3/20

+ sign 1829.341+/-0.258 χ^2/NDF: 1011984.0/38

All: 1822.249+/-0.183 χ^2/NDF: 1401444.8/78

- sign 1815.071+/-0.260 χ^2/NDF: 387946.1/39

asym_atr1l2_dd_cor_correction_mean vs Slug



Right In: 600.202+/-1100.125 χ^2/NDF: 14.9/15

Left Out: 281.793+/-382.218 χ^2/NDF:28.8/22

Right Out: -323.164+/-458.862 χ^2/NDF: 19.0/18

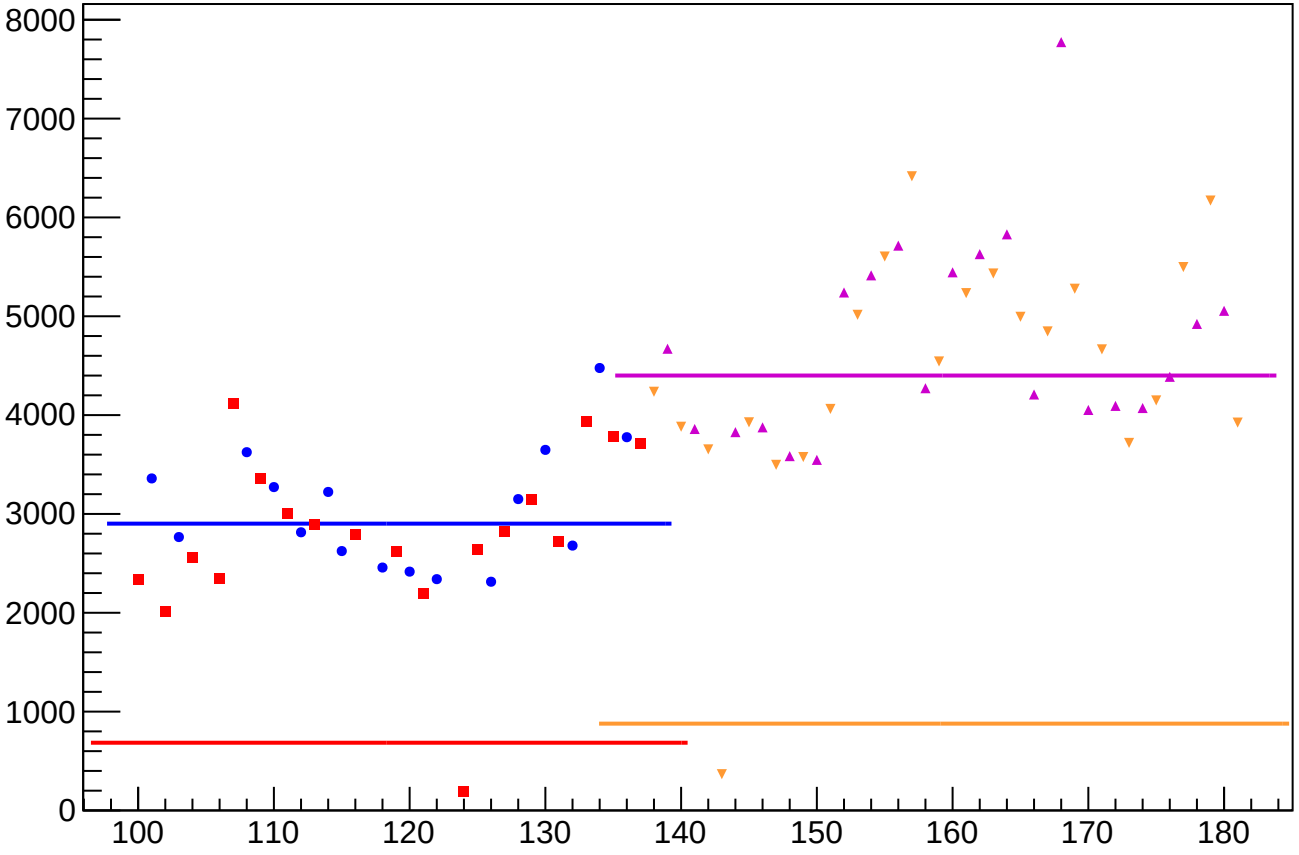
Left In: 203.988+/-1080.746 χ^2/NDF:12.9/20

+ sign 316.088+/-361.048 χ^2/NDF: 43.7/38

All: 80.188+/-274.443 χ^2/NDF: 76.8/78

- sign -242.650+/-422.369 χ^2/NDF: 32.1/39

asym_atr1l2_dd_cor_correction_rms vs Slug



Right In: 2901.861+/-0.778 χ^2/NDF: 480934.2/15

Left Out: 878.382+/-0.270 χ^2/NDF:25597277.5/22

Right Out: 685.257+/-0.324 χ^2/NDF: 10105797.4/18

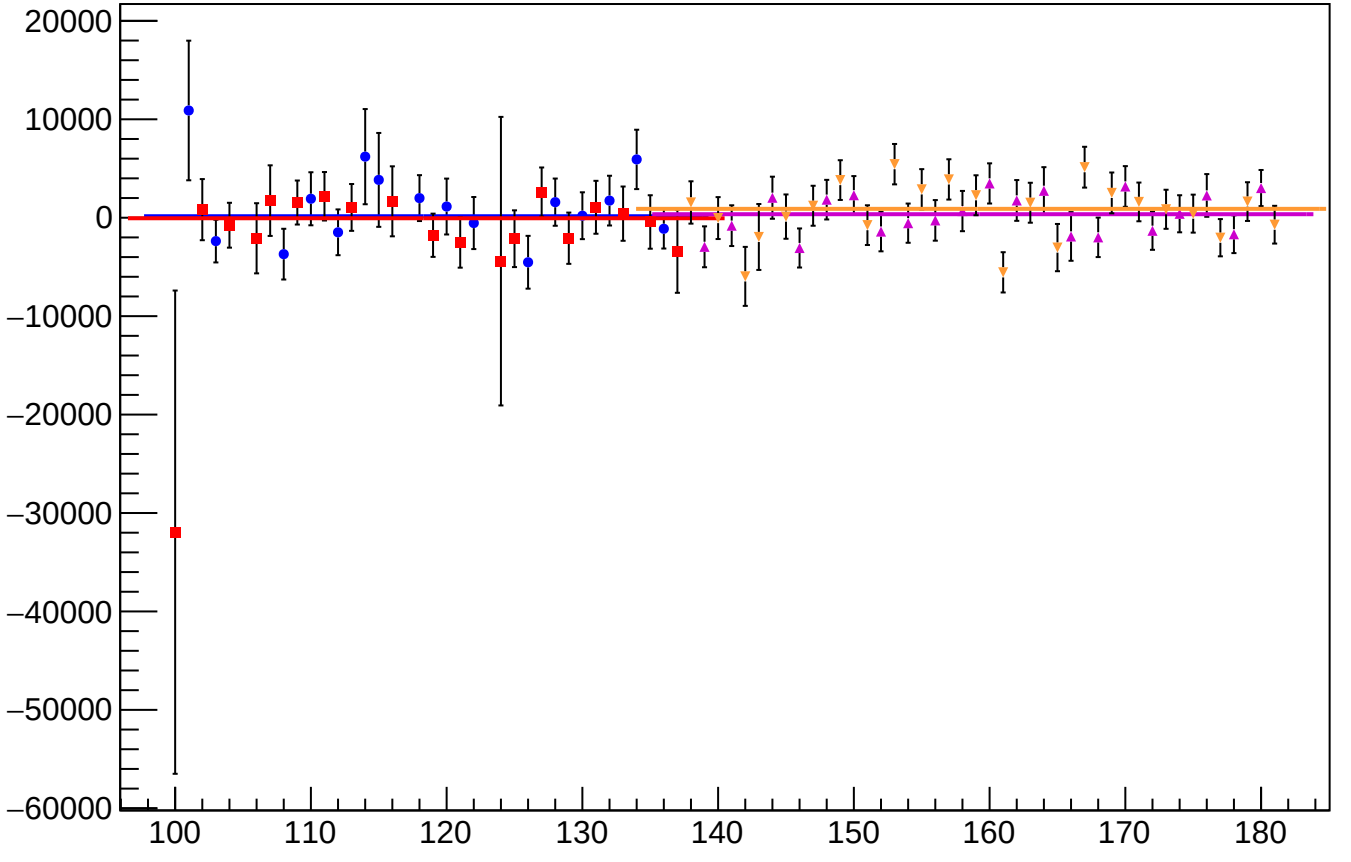
Left In: 4400.380+/-0.764 χ^2/NDF:1112042.0/20

+ sign 1096.326+/-0.255 χ^2/NDF: 32115618.9/38

All: 1162.341+/-0.194 χ^2/NDF: 63515733.0/7

- sign 1252.684+/-0.299 χ^2/NDF: 31241746.9/39

eigen_cor_asym_atr1l2_dd_mean vs Slug



Right In: 150.254+/-667.029 χ^2/NDF: 17.6/15

Left Out: 902.163+/-437.054 χ^2/NDF:38.5/22

Right Out: -54.158+/-655.266 χ^2/NDF: 9.0/18

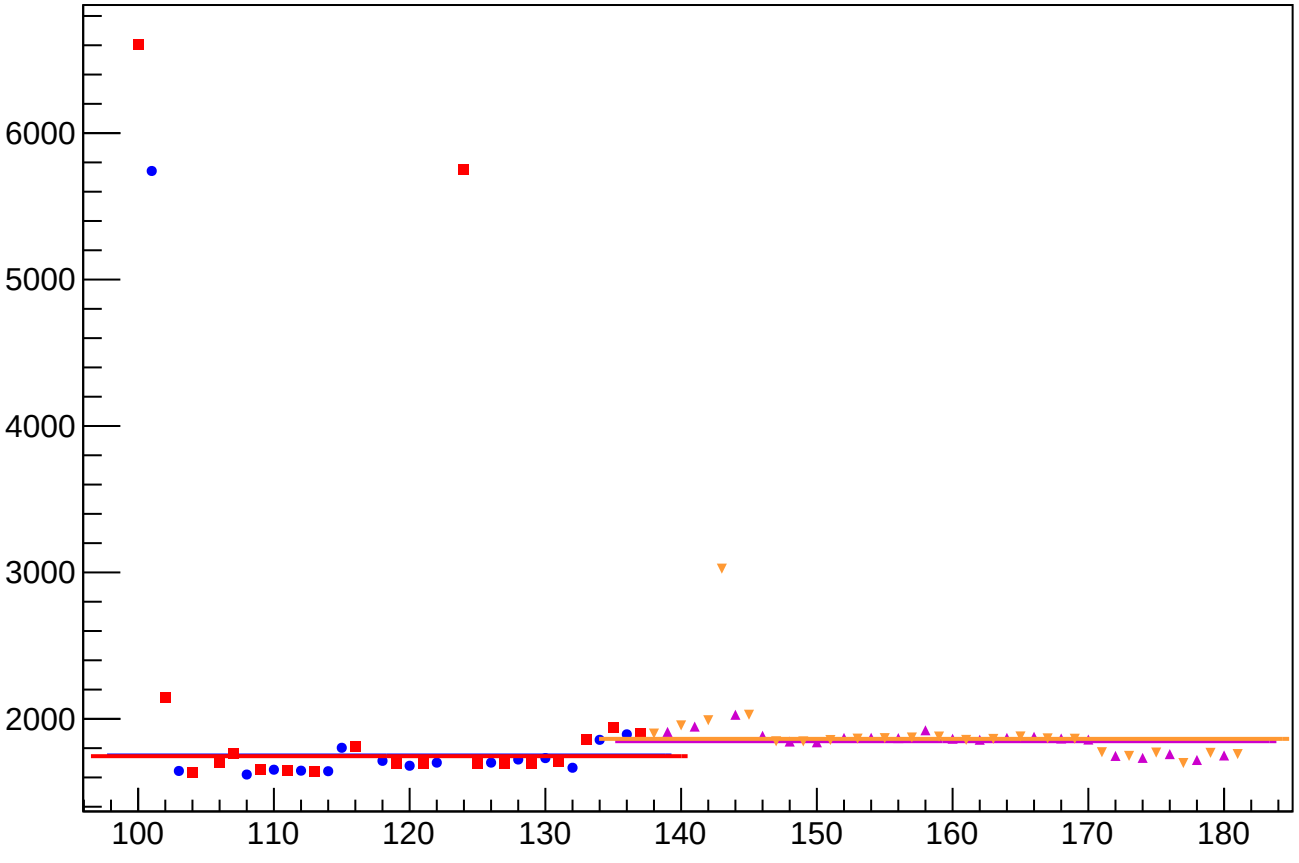
Left In: 356.926+/-445.170 χ^2/NDF:21.7/20

+ sign 676.315+/-365.570 χ^2/NDF: 57.1/38

All: 453.340+/-259.433 χ^2/NDF: 88.7/78

- sign 227.108+/-368.230 χ^2/NDF: 30.9/39

eigen_cor_asym_atr1l2_dd_rms vs Slug



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.1/15

Left Out: 1863.463+/-0.309 χ^2/NDF:301823.8/22

Right Out: 1745.188+/-0.462 χ^2/NDF: 297979.0/18

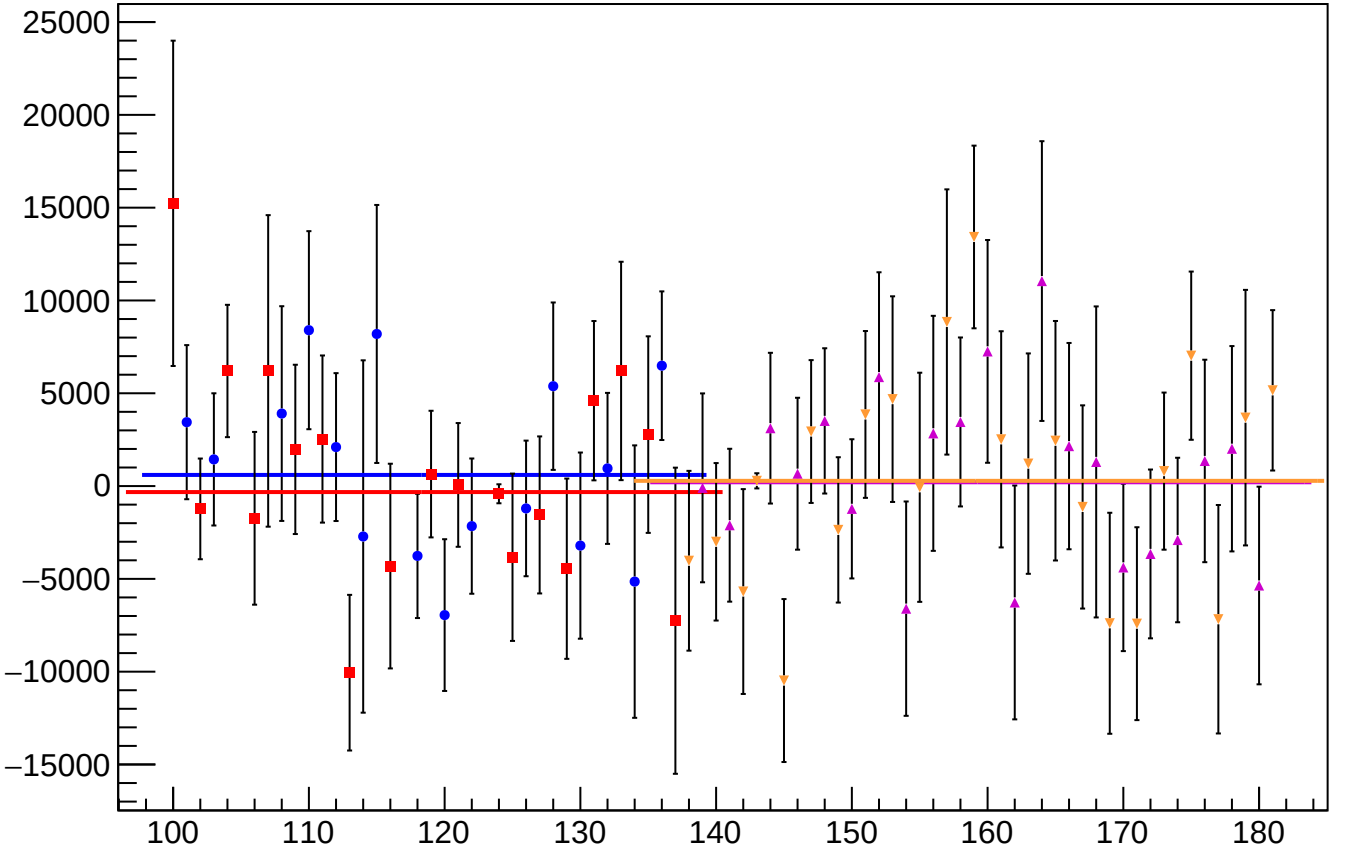
Left In: 1847.567+/-0.315 χ^2/NDF:56391.3/20

+ sign 1829.341+/-0.258 χ^2/NDF: 1011984.0/38

All: 1822.249+/-0.183 χ^2/NDF: 1401444.8/78

- sign 1815.071+/-0.260 χ^2/NDF: 387946.1/39

asym_atr1l2_dd_eigen_cor_correction_mean vs Slug



Right In: 600.202+/-1100.125 χ^2/NDF: 14.9/15

Left Out: 281.793+/-382.218 χ^2/NDF:28.8/22

Right Out: -323.164+/-458.862 χ^2/NDF: 19.0/18

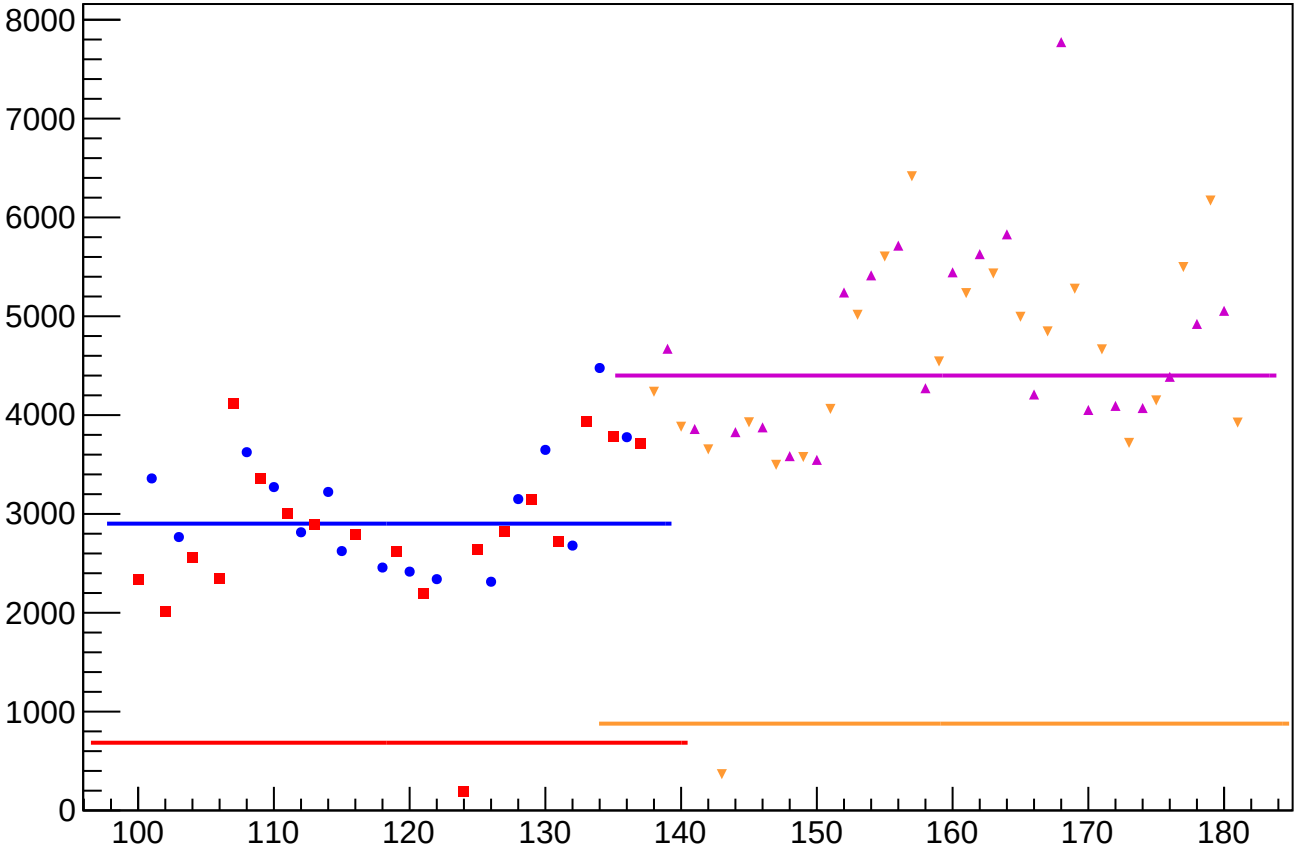
Left In: 203.988+/-1080.746 χ^2/NDF:12.9/20

+ sign 316.088+/-361.048 χ^2/NDF: 43.7/38

All: 80.188+/-274.443 χ^2/NDF: 76.8/78

- sign -242.650+/-422.369 χ^2/NDF: 32.1/39

asym_atr1l2_dd_eigen_cor_correction_rms vs Slug



Right In: 2901.861+/-0.778 χ^2/NDF: 480934.2/15

Left Out: 878.382+/-0.270 χ^2/NDF:25597277.5/22

Right Out: 685.257+/-0.324 χ^2/NDF: 10105797.4/18

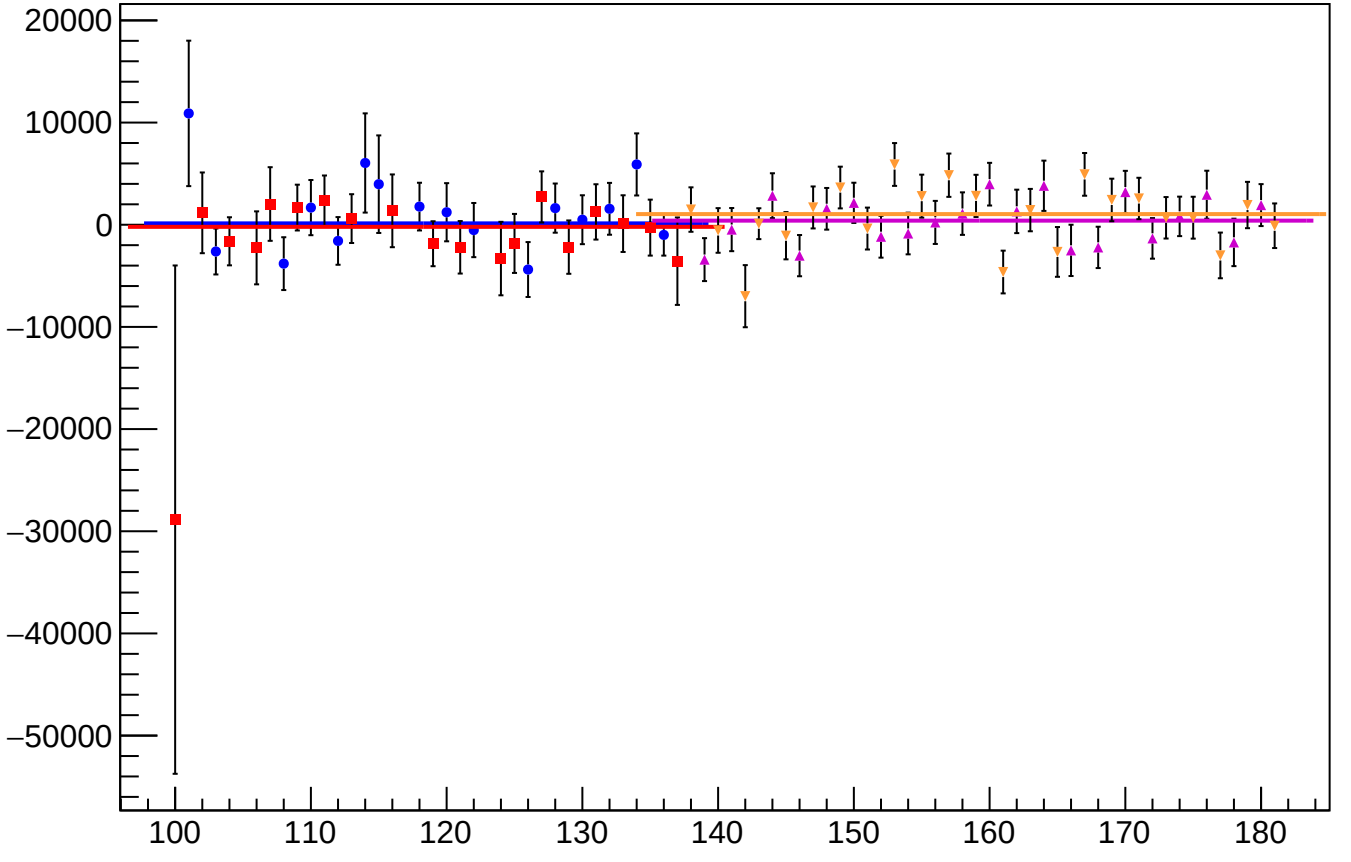
Left In: 4400.380+/-0.764 χ^2/NDF:1112042.0/20

+ sign 1096.326+/-0.255 χ^2/NDF: 32115618.9/38

All: 1162.341+/-0.194 χ^2/NDF: 63515733.0/7

- sign 1252.684+/-0.299 χ^2/NDF: 31241746.9/39

dit_asym_atr1l2_dd_mean vs Slug



Right In: 133.838+/-671.621 χ^2/NDF: 17.3/15

Left Out: 1041.761+/-438.564 χ^2/NDF:39.0/22

Right Out: -205.424+/-654.444 χ^2/NDF: 9.7/18

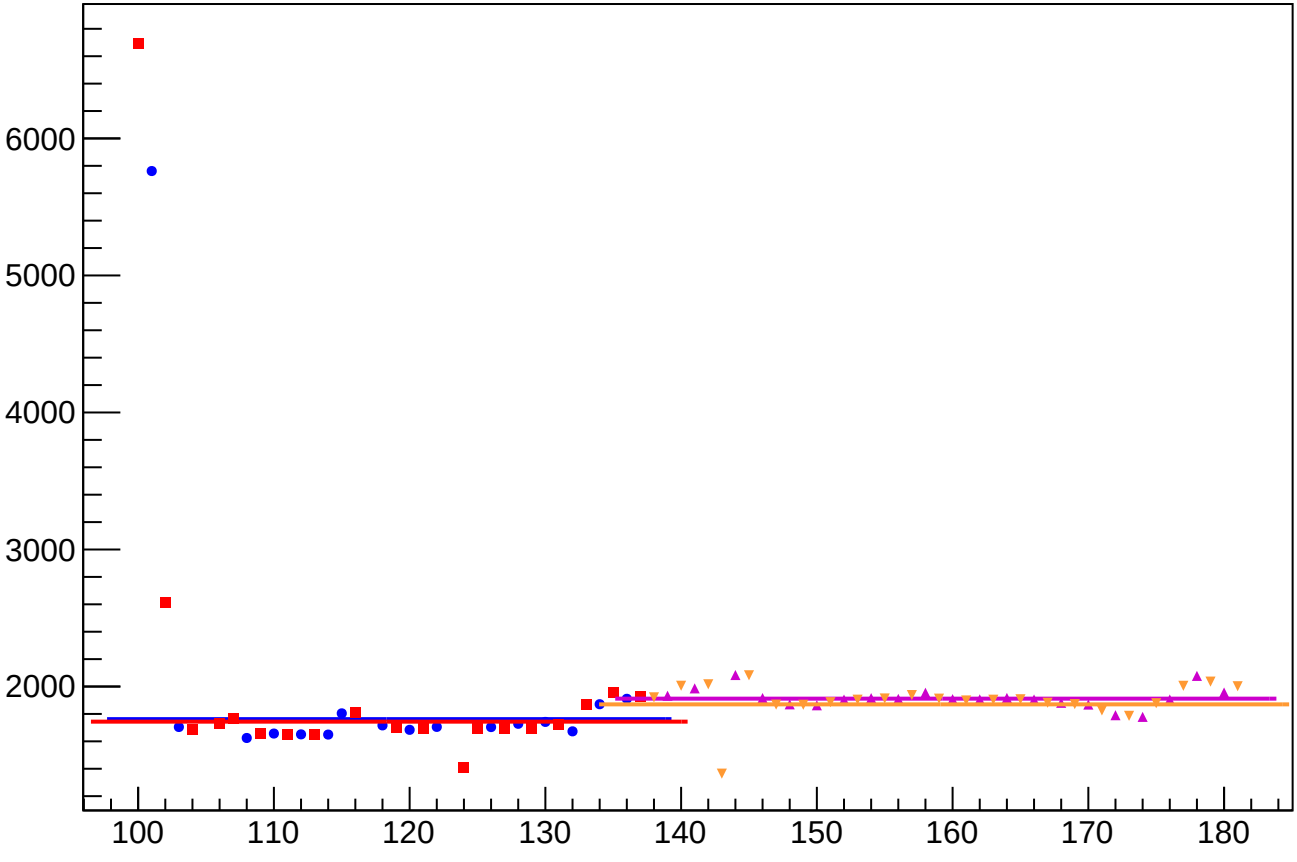
Left In: 401.569+/-460.597 χ^2/NDF:23.0/20

+ sign 770.352+/-367.208 χ^2/NDF: 57.5/38

All: 492.668+/-262.934 χ^2/NDF: 92.0/78

- sign 200.501+/-376.662 χ^2/NDF: 33.3/39

dit_asym_atr1l2_dd_rms vs Slug



Right In: 1762.052+/-0.475 χ^2/NDF: 667696.6/15

Left Out: 1869.847+/-0.310 χ^2/NDF:290197.0/22

Right Out: 1743.723+/-0.461 χ^2/NDF: 227762.1/18

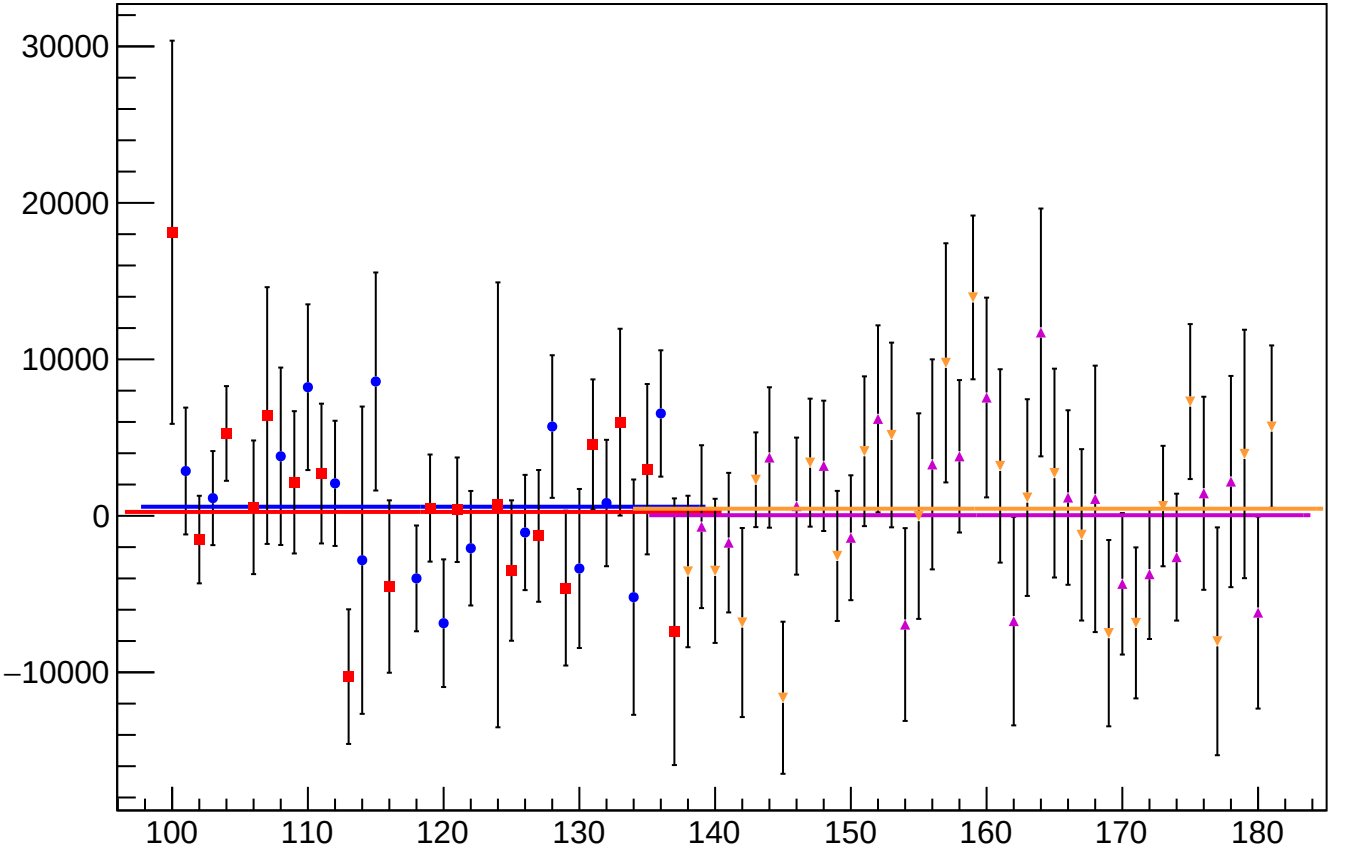
Left In: 1911.552+/-0.326 χ^2/NDF:47422.7/20

+ sign 1837.623+/-0.260 χ^2/NDF: 994012.5/38

All: 1846.462+/-0.186 χ^2/NDF: 1359871.1/78

- sign 1855.743+/-0.266 χ^2/NDF: 363483.0/39

asym_atr1l2_dd_dit_correction_mean vs Slug



Right In: 582.223+/-1081.481 χ^2/NDF: 14.9/15

Left Out: 455.452+/-1057.495 χ^2/NDF:28.8/22

Right Out: 250.224+/-1021.012 χ^2/NDF: 17.9/18

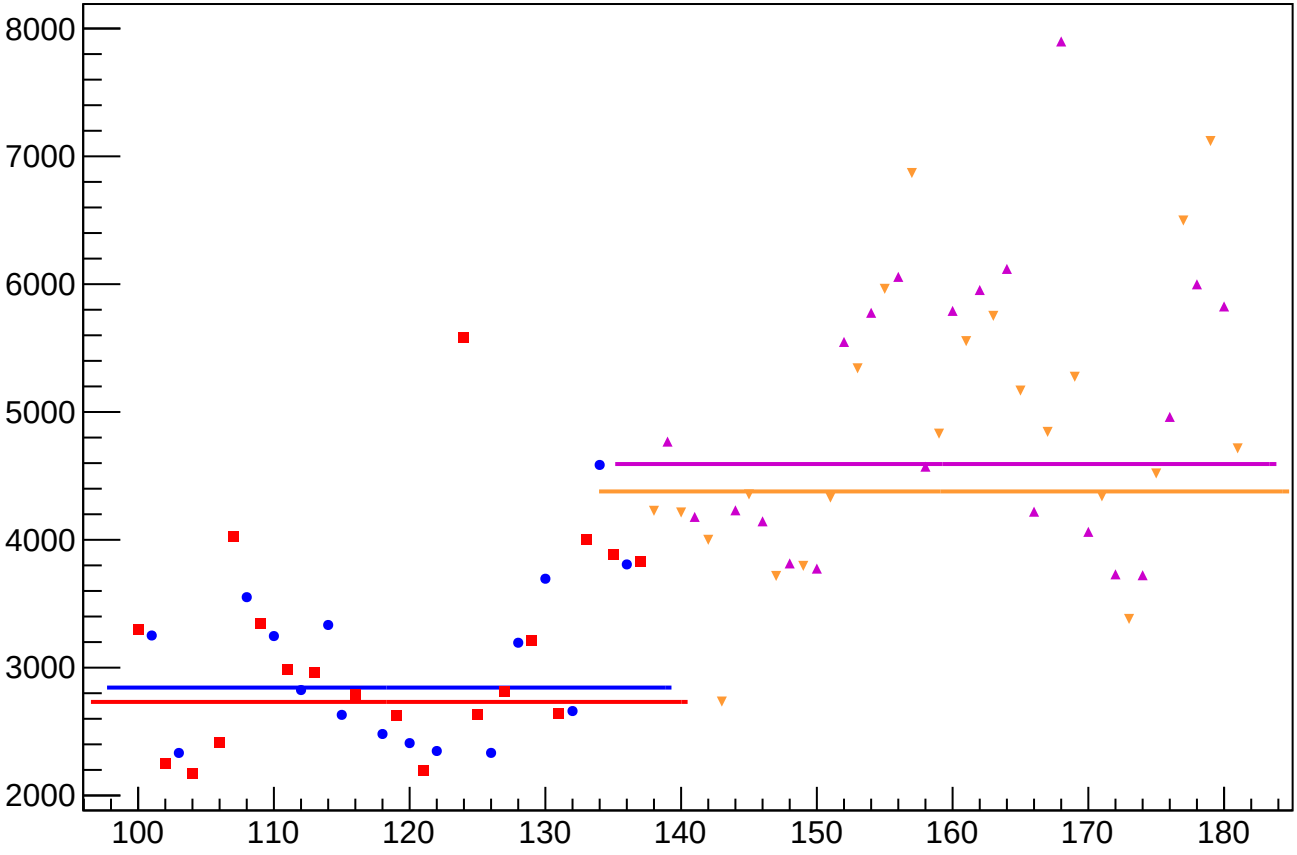
Left In: 40.188+/-1132.362 χ^2/NDF:12.8/20

+ sign 517.416+/-756.100 χ^2/NDF: 43.7/38

All: 337.248+/-535.414 χ^2/NDF: 74.6/78

- sign 156.038+/-758.284 χ^2/NDF: 30.7/39

asym_atr1l2_dd_dit_correction_rms vs Slug



Right In: 2844.153+/-0.765 χ^2/NDF: 542032.5/15

Left Out: 4378.519+/-0.748 χ^2/NDF:1899466.9/22

Right Out: 2731.978+/-0.722 χ^2/NDF: 611275.1/18

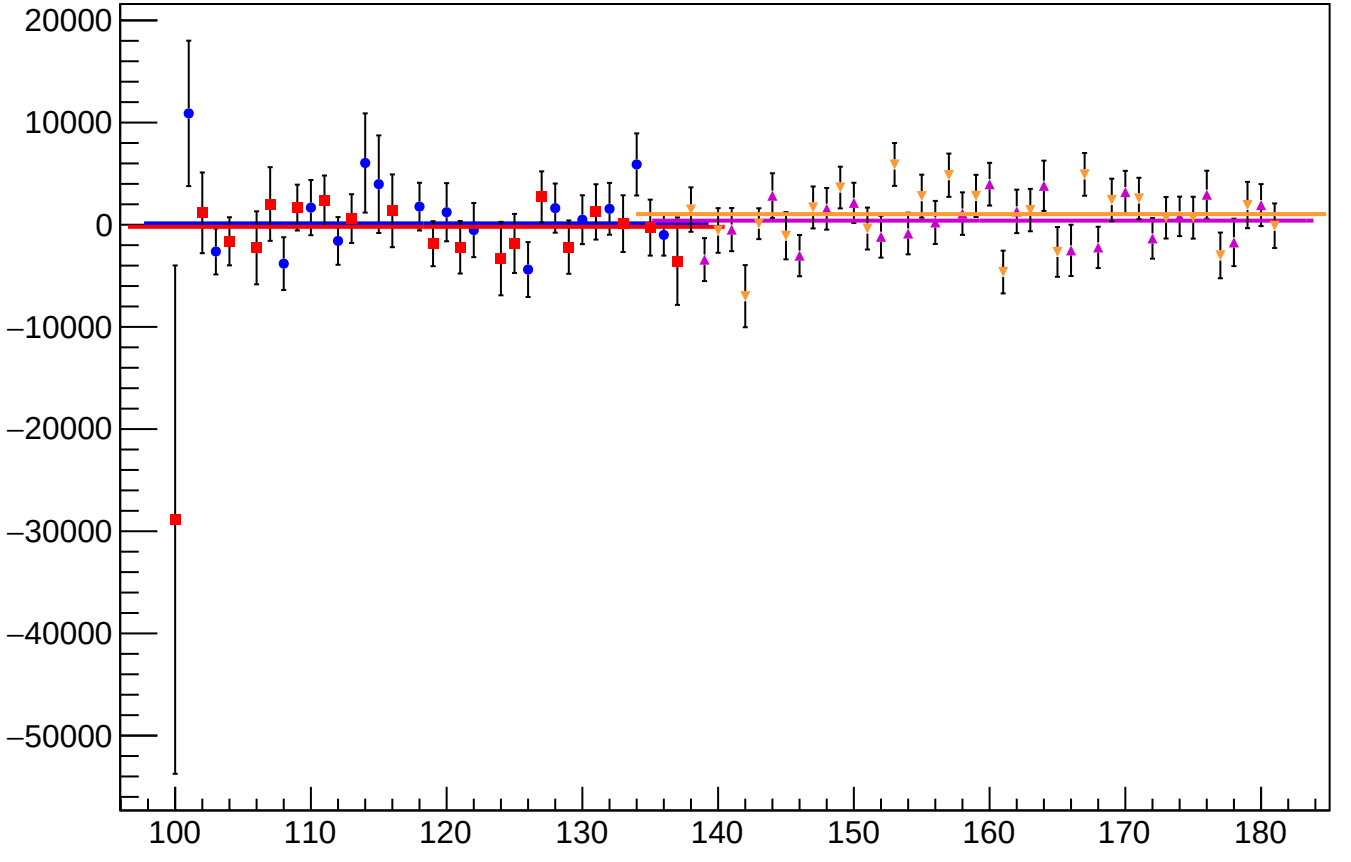
Left In: 4592.889+/-0.801 χ^2/NDF:1346882.2/20

+ sign 3628.540+/-0.535 χ^2/NDF: 4499529.0/38

All: 3597.591+/-0.379 χ^2/NDF: 9443695.9/78

- sign 3566.463+/-0.536 χ^2/NDF: 4937445.9/39

eigen_dit_asym_atr1l2_dd_mean vs Slug



Right In: 133.837+/-671.621 χ^2/NDF: 17.3/15

Left Out: 1041.763+/-438.564 χ^2/NDF:39.0/22

Right Out: -205.422+/-654.444 χ^2/NDF: 9.7/18

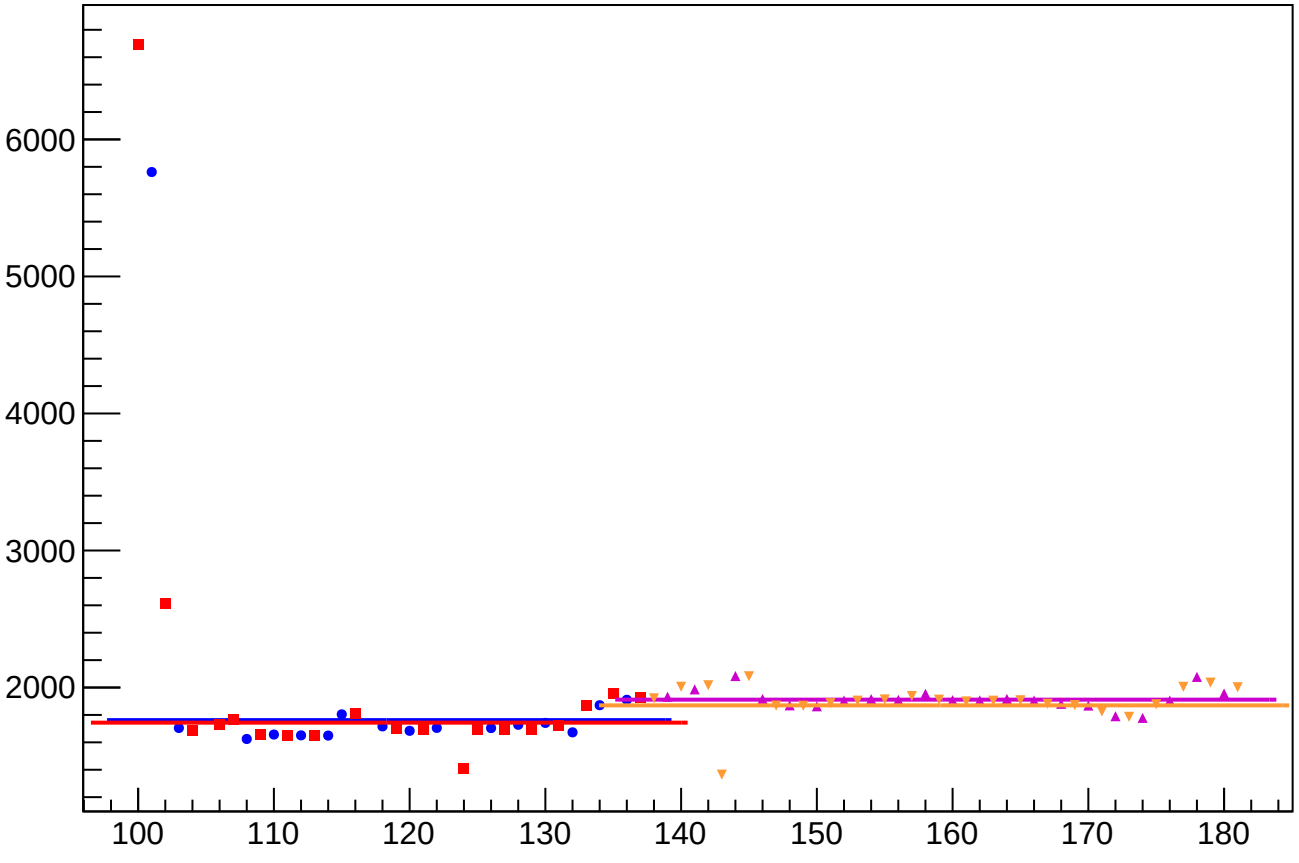
Left In: 401.570+/-460.597 χ^2/NDF:23.0/20

+ sign 770.352+/-367.208 χ^2/NDF: 57.5/38

All: 492.668+/-262.934 χ^2/NDF: 92.0/78

- sign 200.502+/-376.662 χ^2/NDF: 33.3/39

eigen_dit_asym_atr1l2_dd_rms vs Slug



Right In: 1762.052+/-0.475 χ^2/NDF: 667696.6/15

Left Out: 1869.848+/-0.310 χ^2/NDF:290200.4/22

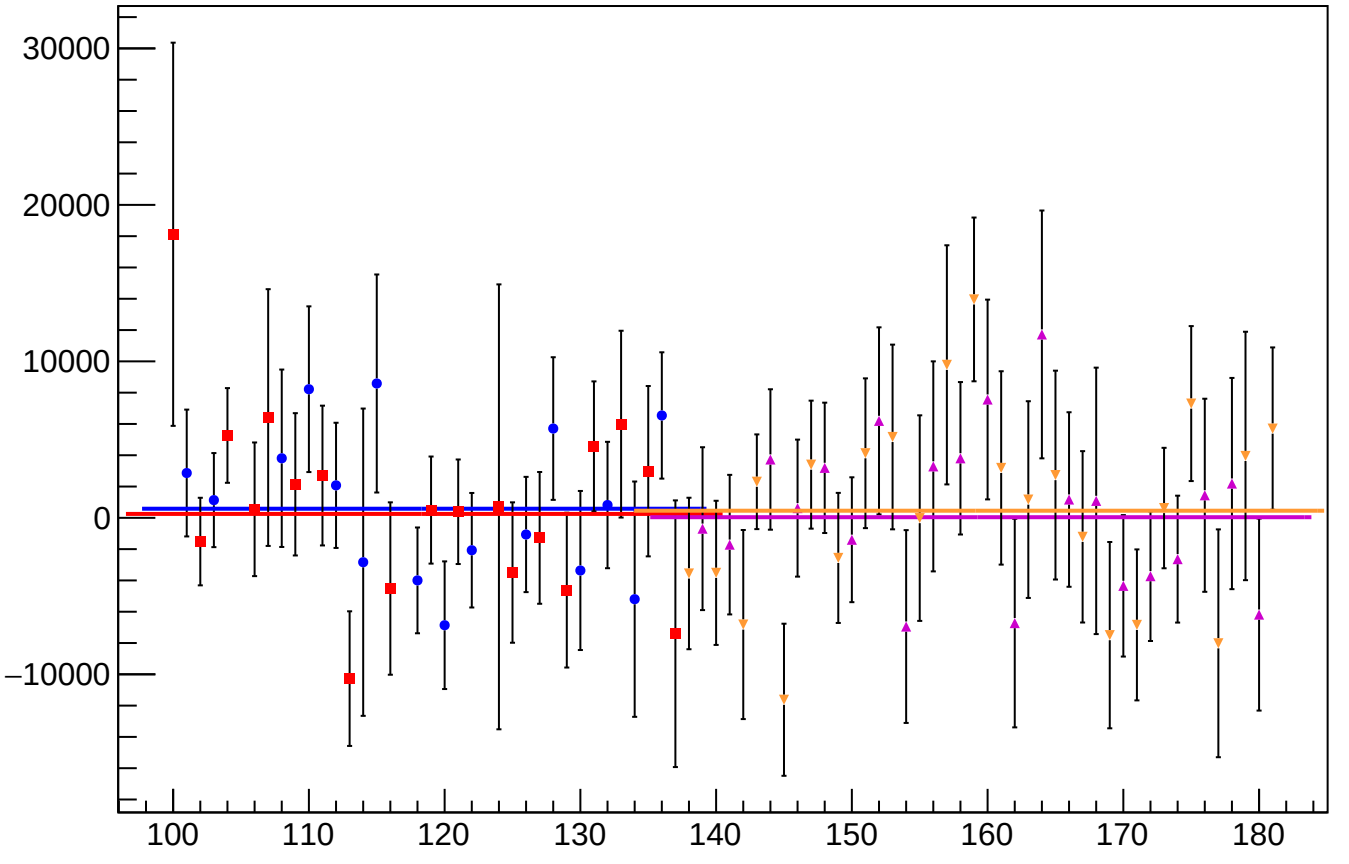
Right Out: 1743.723+/-0.461 χ^2/NDF: 227762.1/18

Left In: 1911.553+/-0.326 χ^2/NDF:47425.0/20

+ sign 1837.624+/-0.260 χ^2/NDF: 994016.6/38

All: 1846.462+/-0.186 χ^2/NDF: 1359878.6/78

- sign 1855.744+/-0.266 χ^2/NDF: 363486.5/39



Right In: 582.219+/-1081.478 χ^2/NDF: 14.9/15

Left Out: 455.455+/-1057.497 χ^2/NDF:28.8/22

Right Out: 250.225+/-1021.010 χ^2/NDF: 17.9/18

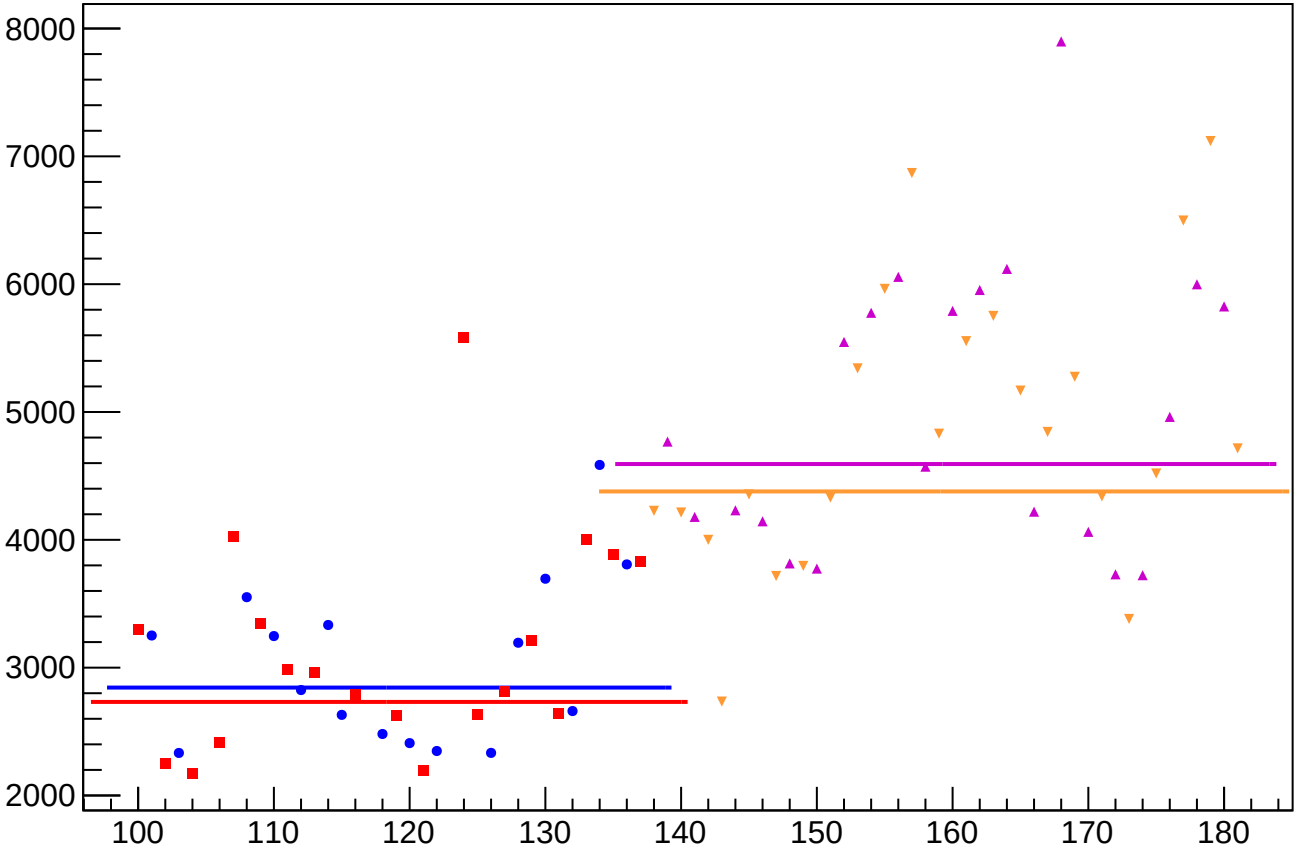
Left In: 40.189+/-1132.364 χ^2/NDF:12.8/20

+ sign 517.416+/-756.099 χ^2/NDF: 43.7/38

All: 337.249+/-535.414 χ^2/NDF: 74.6/78

- sign 156.039+/-758.284 χ^2/NDF: 30.7/39

asym_atr1l2_dd_eigen_dit_correction_rms vs Slug



Right In: 2844.145+/-0.765 χ^2/NDF: 542036.2/15

Left Out: 4378.526+/-0.748 χ^2/NDF:1899471.6/22

Right Out: 2731.972+/-0.722 χ^2/NDF: 611272.5/18

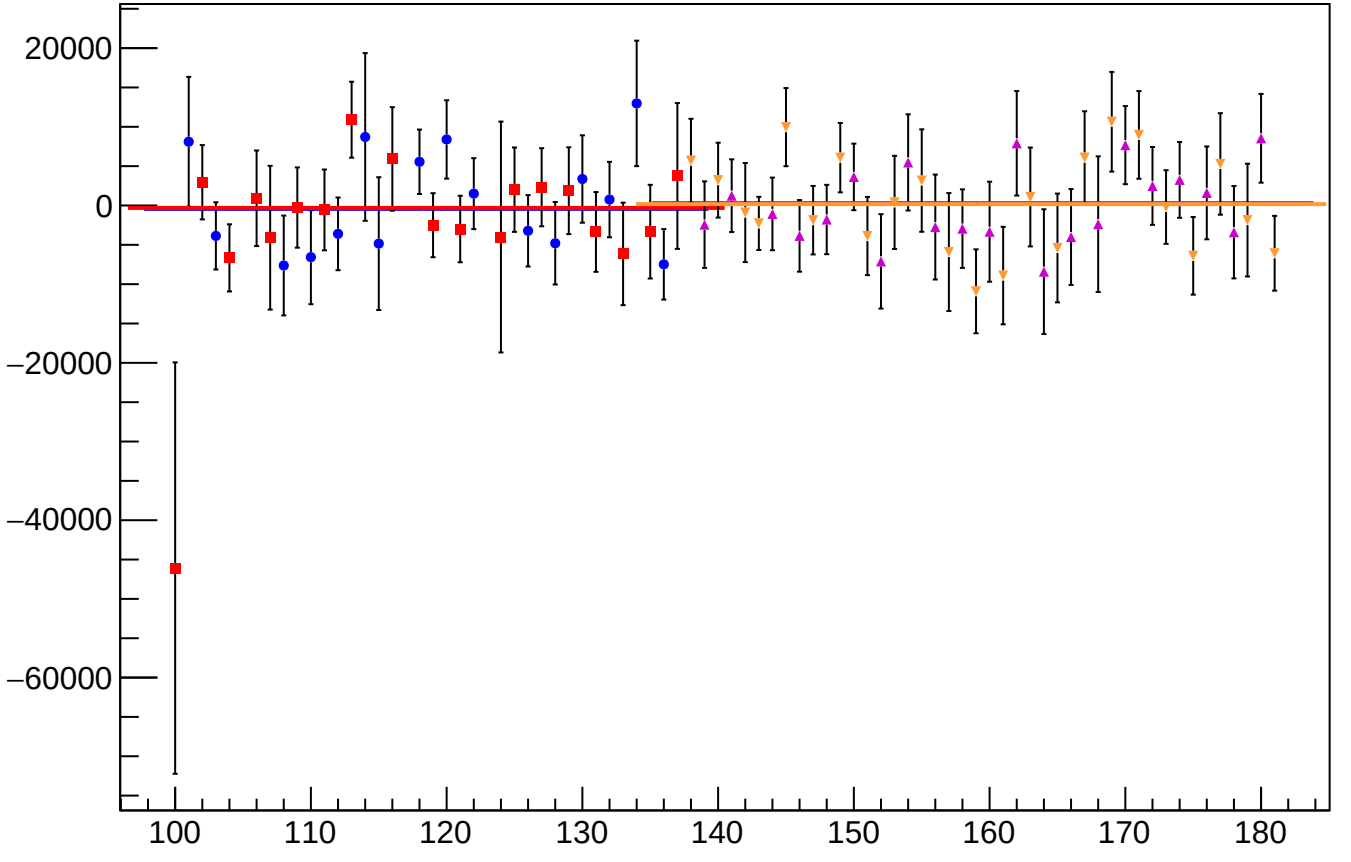
Left In: 4592.897+/-0.801 χ^2/NDF:1346882.7/20

+ sign 3628.536+/-0.535 χ^2/NDF: 4499578.3/38

All: 3597.588+/-0.379 χ^2/NDF: 9443787.0/78

- sign 3566.460+/-0.536 χ^2/NDF: 4937487.7/39

asym_atr1l2_dd_mean vs Slug



Right In: -423.131+/-1327.258 χ^2/NDF: 17.9/15

Left Out: 172.125+/-1107.390 χ^2/NDF:27.0/22

Right Out: -307.823+/-1275.718 χ^2/NDF: 15.3/18

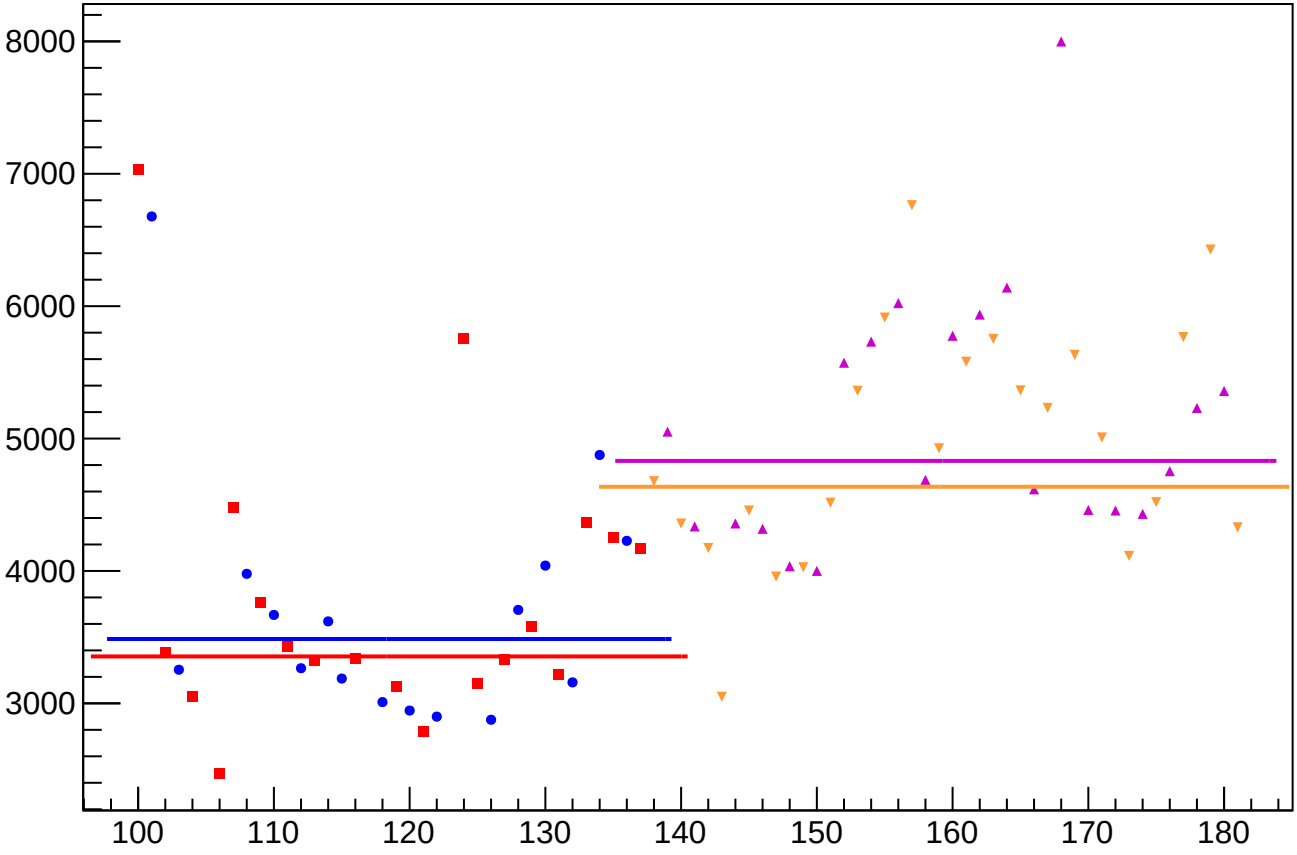
Left In: 299.579+/-1180.812 χ^2/NDF:13.7/20

+ sign -72.182+/-850.298 χ^2/NDF: 45.1/38

All: -27.303+/-606.923 χ^2/NDF: 74.2/78

- sign 19.309+/-866.572 χ^2/NDF: 29.1/39

asym_atr1l2_dd_rms vs Slug



Right In: 3486.167+/-0.939 χ^2/NDF: 595790.9/15

Left Out: 4635.908+/-0.783 χ^2/NDF:1255150.7/22

Right Out: 3354.426+/-0.889 χ^2/NDF: 376426.3/18

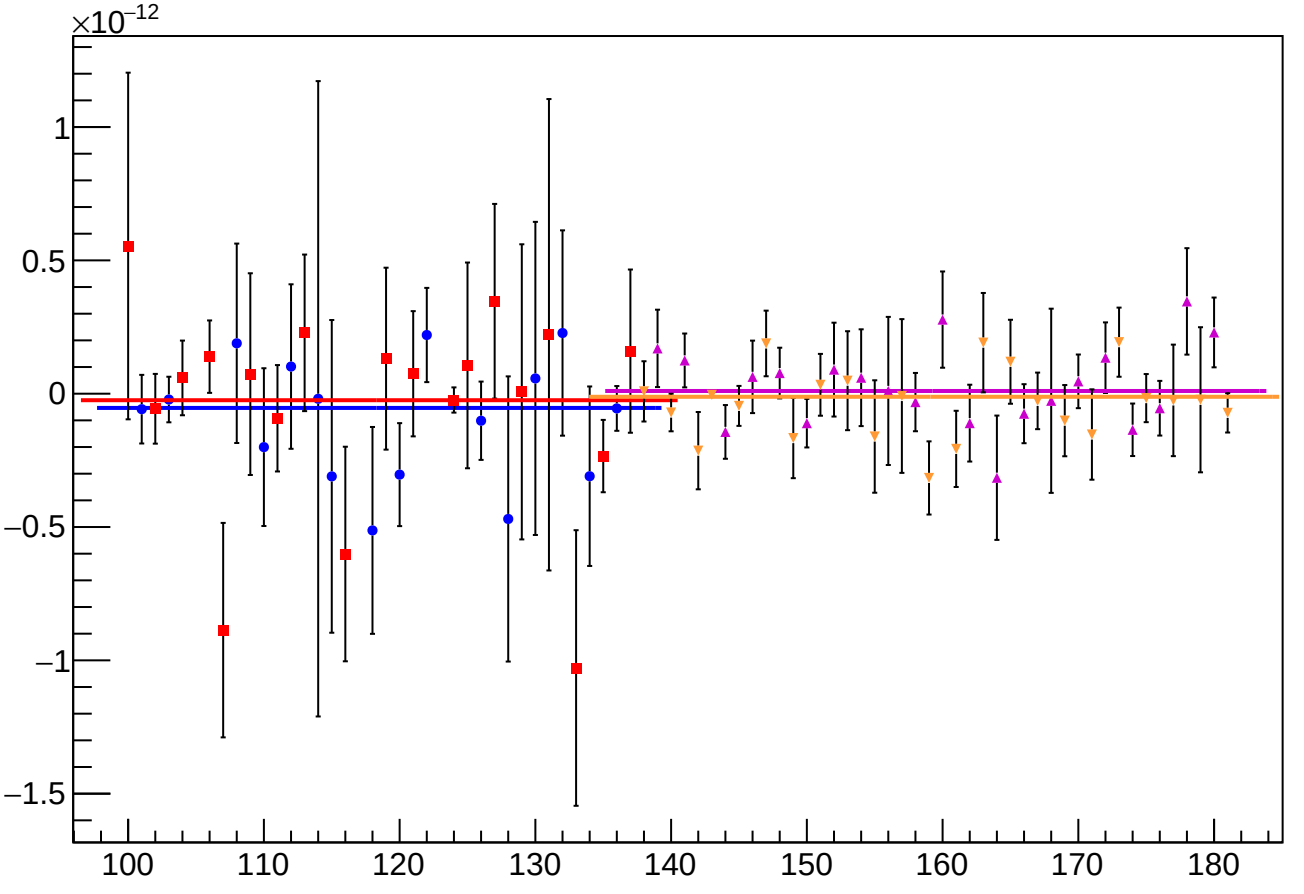
Left In: 4831.412+/-0.835 χ^2/NDF:844977.0/20

+ sign 4164.027+/-0.601 χ^2/NDF: 2735774.0/38

All: 4151.956+/-0.428 χ^2/NDF: 5423695.8/78

- sign 4139.580+/-0.609 χ^2/NDF: 2687105.4/39

asym_atr1l2_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.7/22

Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

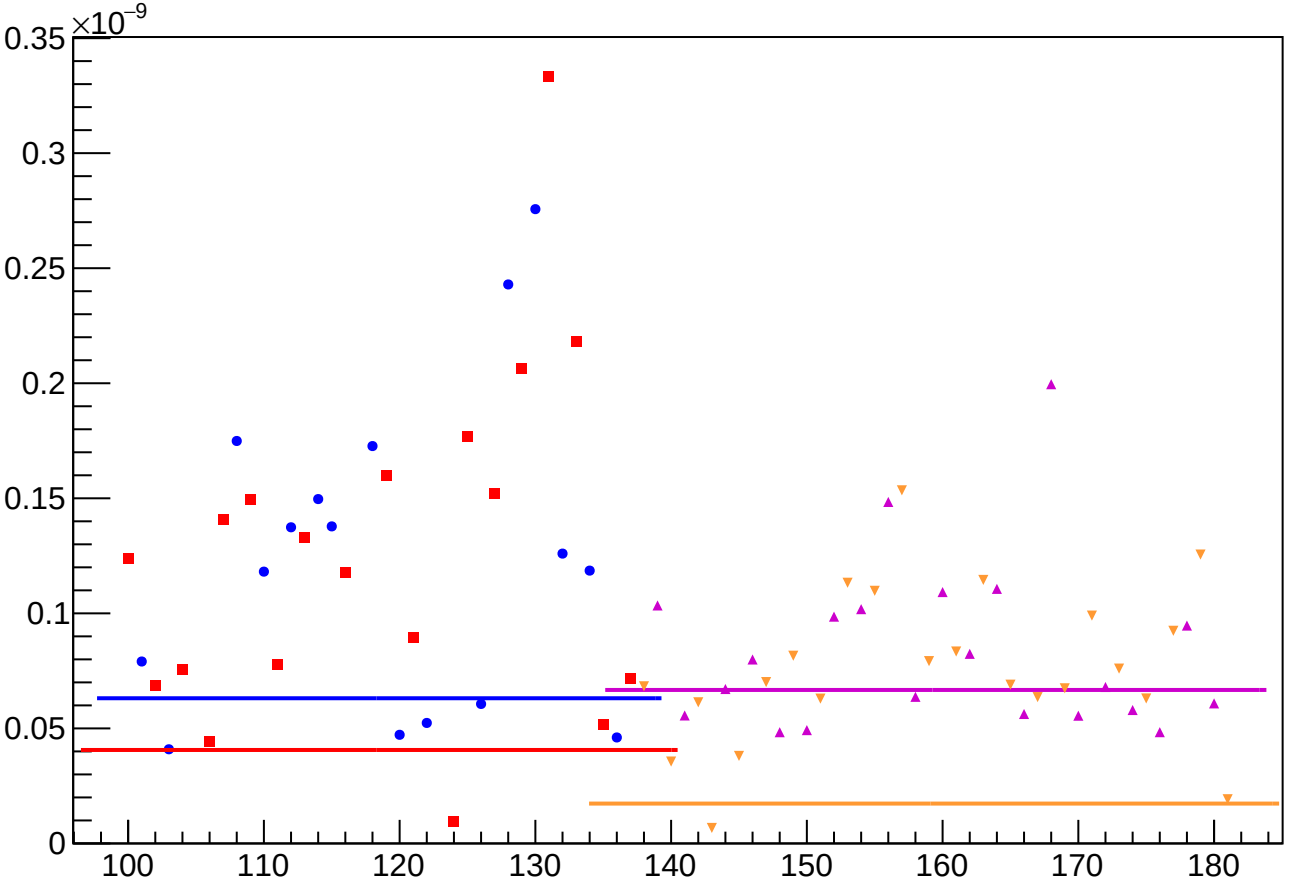
Left In: 0.000+/-0.000 χ^2/NDF:22.4/20

+ sign -0.000+/-0.000 χ^2/NDF: 30.1/38

All: -0.000+/-0.000 χ^2/NDF: 71.6/78

- sign -0.000+/-0.000 χ^2/NDF: 41.3/39

asym_atr1l2_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1432018.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:8850817.4/22

Right Out: 0.000+/-0.000 χ^2/NDF: 3172346.7/18

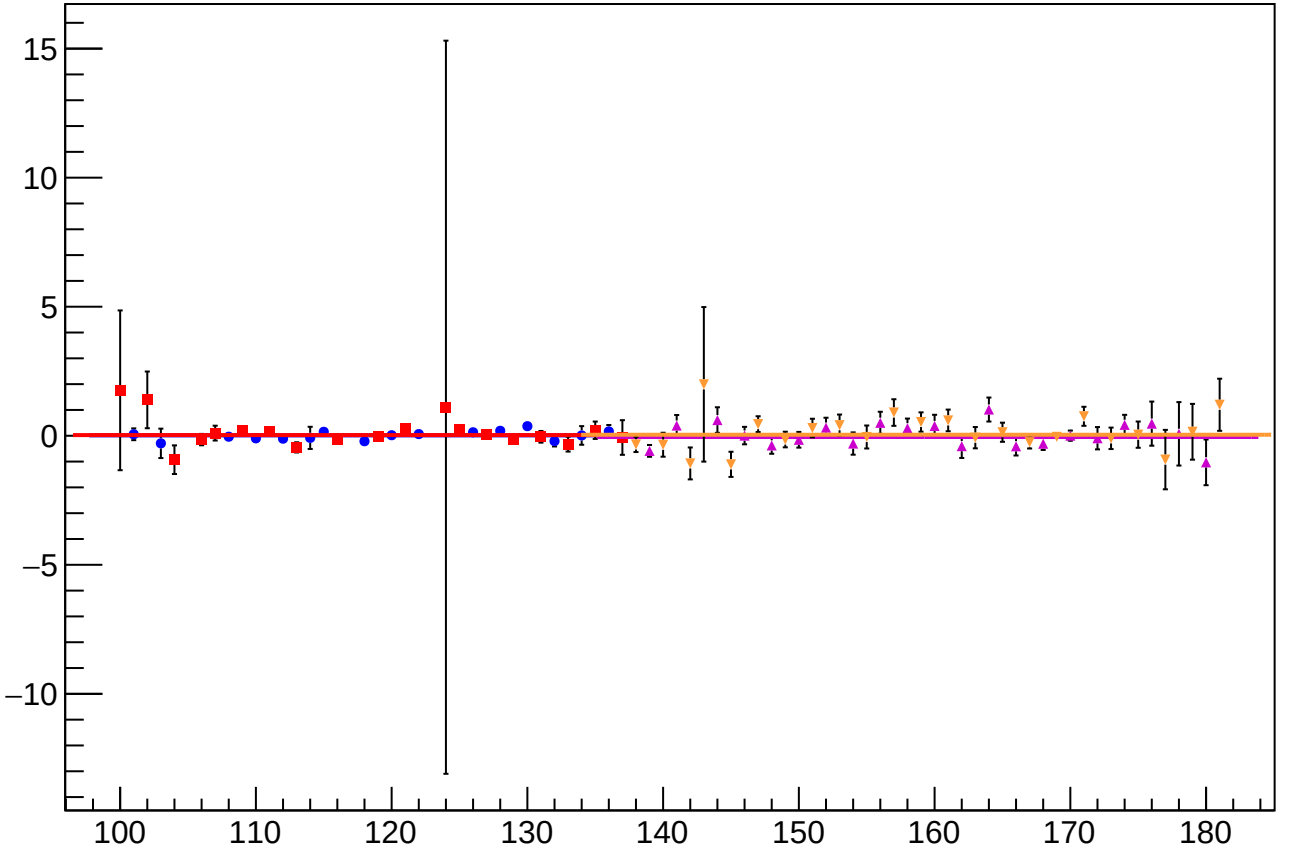
Left In: 0.000+/-0.000 χ^2/NDF:1302041.4/20

+ sign 0.000+/-0.000 χ^2/NDF: 12268790.8/38

All: 0.000+/-0.000 χ^2/NDF: 21899783.3/78

- sign 0.000+/-0.000 χ^2/NDF: 5142144.7/39

asym_atr1l2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: 0.039+/-0.079 χ^2/NDF:29.0/22

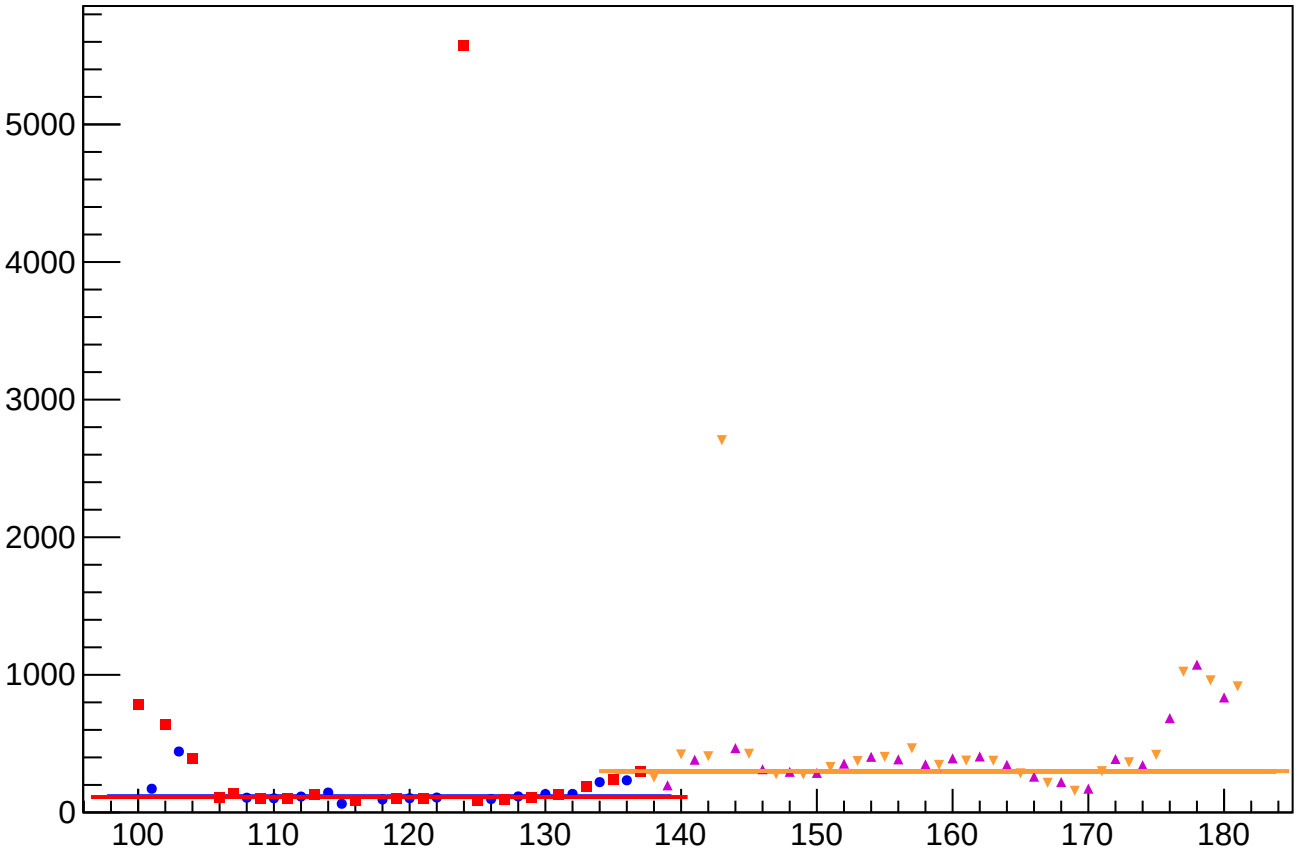
Right Out: 0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: -0.049+/-0.078 χ^2/NDF:25.5/20

+ sign 0.022+/-0.041 χ^2/NDF: 40.8/38

All: 0.014+/-0.029 χ^2/NDF: 89.2/78

- sign 0.006+/-0.040 χ^2/NDF: 48.3/39



Right In: 117.649+/-0.034 χ^2/NDF: 1722401.0/15

Left Out: 300.772+/-0.056 χ^2/NDF:6219027.2/22

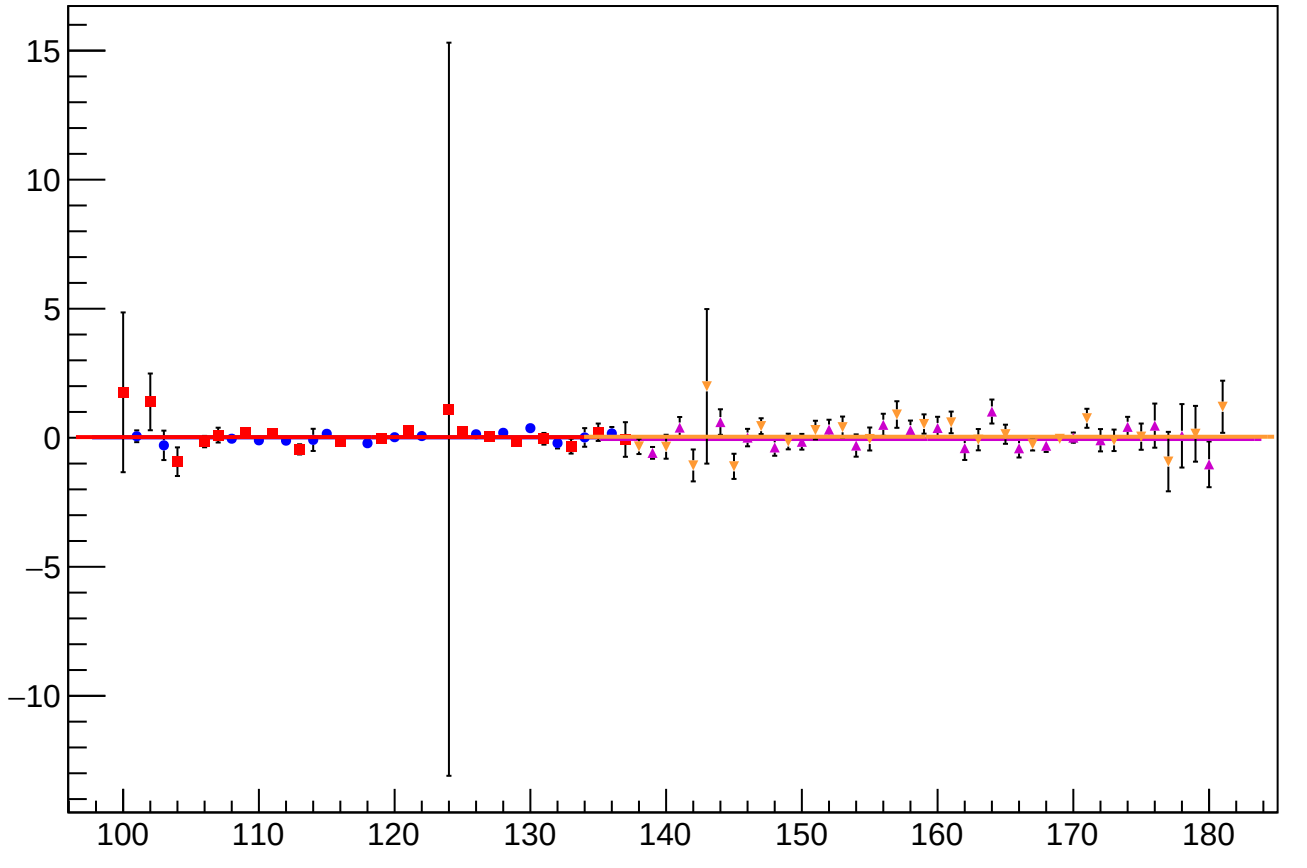
Right Out: 112.124+/-0.033 χ^2/NDF: 2186364.8/18

Left In: 297.981+/-0.055 χ^2/NDF:4330138.2/20

+ sign 167.071+/-0.029 χ^2/NDF: 15832597.3/38

All: 164.145+/-0.020 χ^2/NDF: 30704175.4/78

- sign 161.325+/-0.028 χ^2/NDF: 14851496.0/39



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: 0.039+/-0.079 χ^2/NDF:29.0/22

Right Out: 0.026+/-0.047 χ^2/NDF: 22.1/18

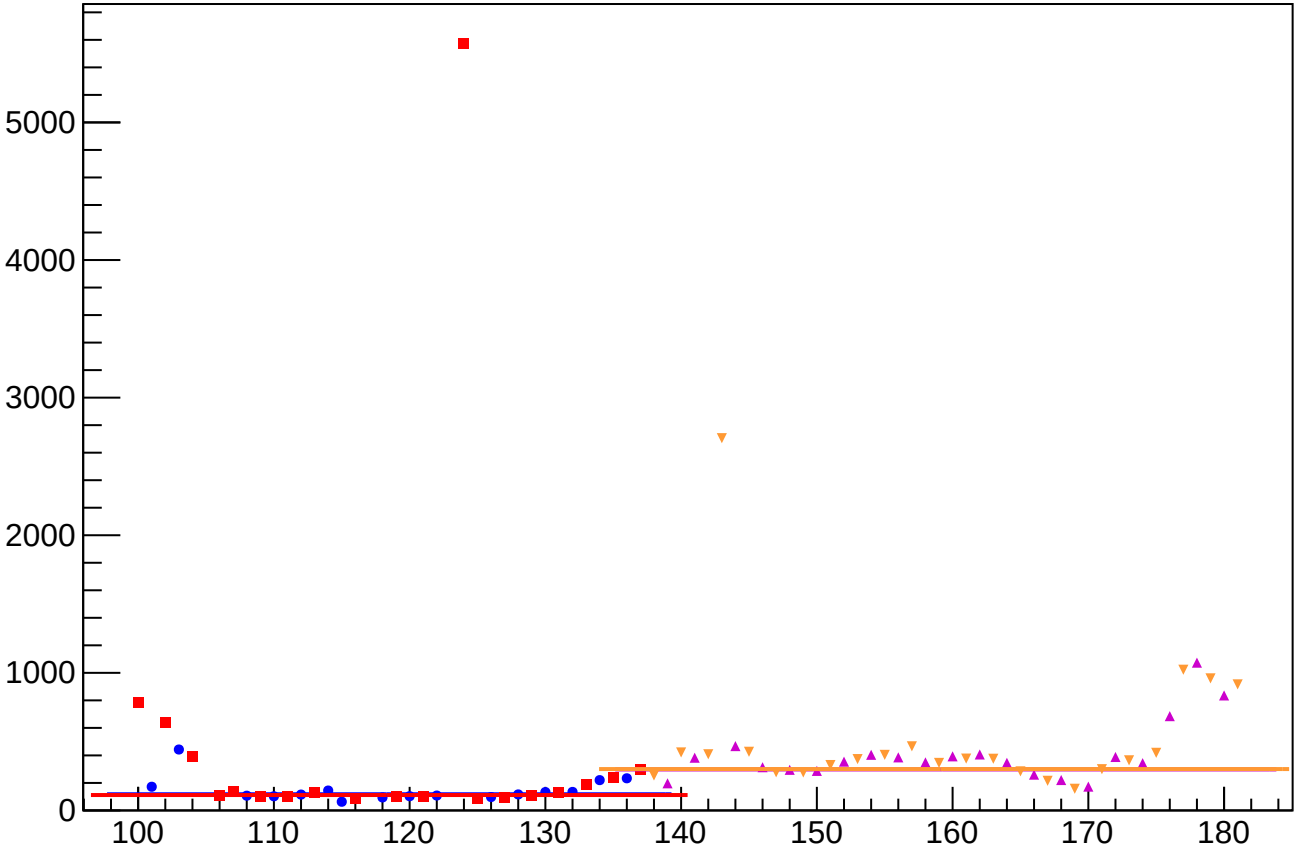
Left In: -0.049+/-0.078 χ^2/NDF:25.5/20

+ sign 0.022+/-0.041 χ^2/NDF: 40.8/38

All: 0.014+/-0.029 χ^2/NDF: 89.2/78

- sign 0.006+/-0.040 χ^2/NDF: 48.3/39

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: 300.772+/-0.056 χ^2/NDF:6219027.2/22

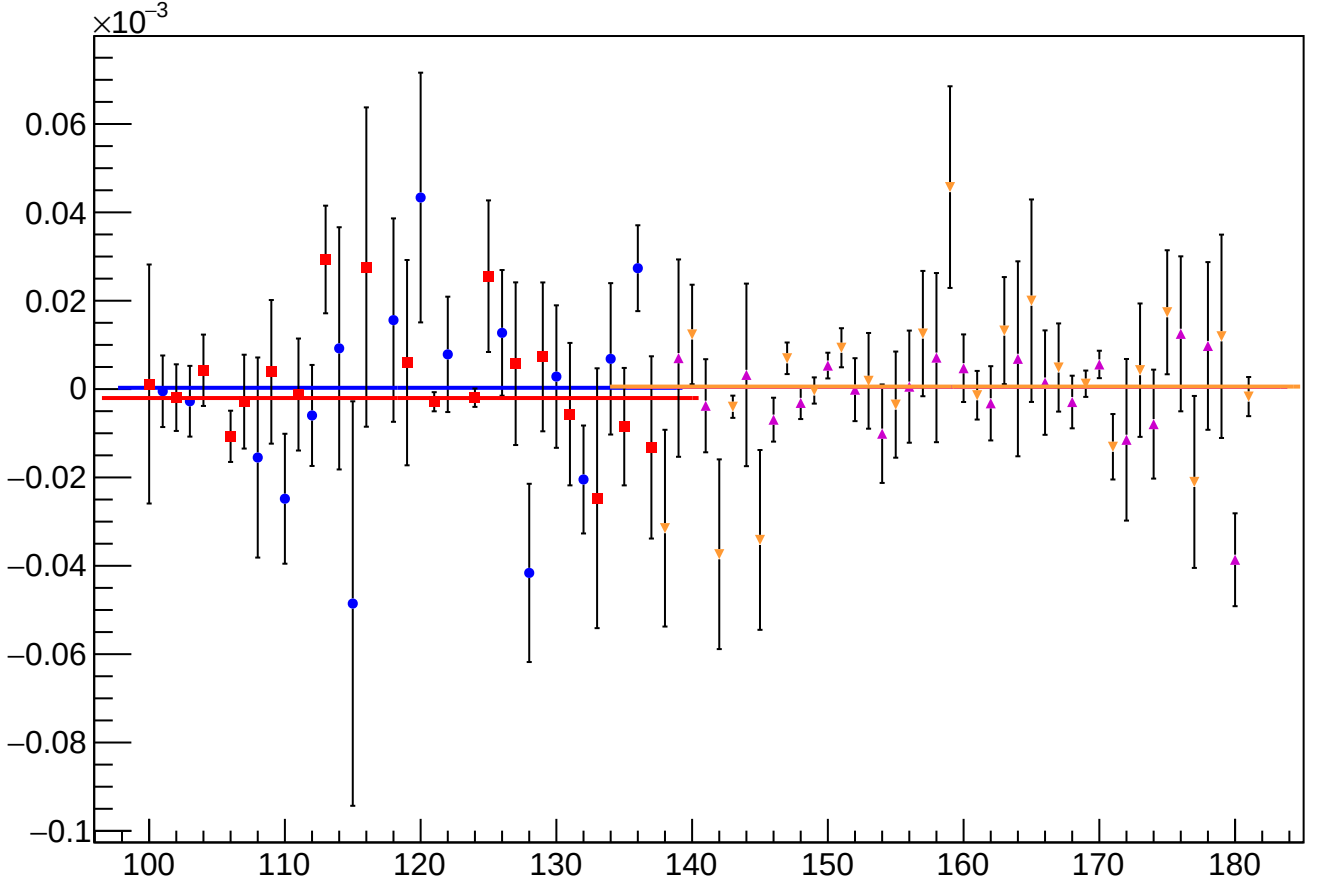
Right Out: 112.124+/-0.033 χ^2/NDF: 2186364.8/18

Left In: 297.981+/-0.055 χ^2/NDF:4330138.2/20

+ sign 167.071+/-0.029 χ^2/NDF: 15832597.3/38

All: 164.145+/-0.020 χ^2/NDF: 30704175.4/78

- sign 161.325+/-0.028 χ^2/NDF: 14851496.0/39



Right In: 0.000+/-0.000 χ^2/NDF: 24.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:33.3/22

Right Out: -0.000+/-0.000 χ^2/NDF: 14.8/18

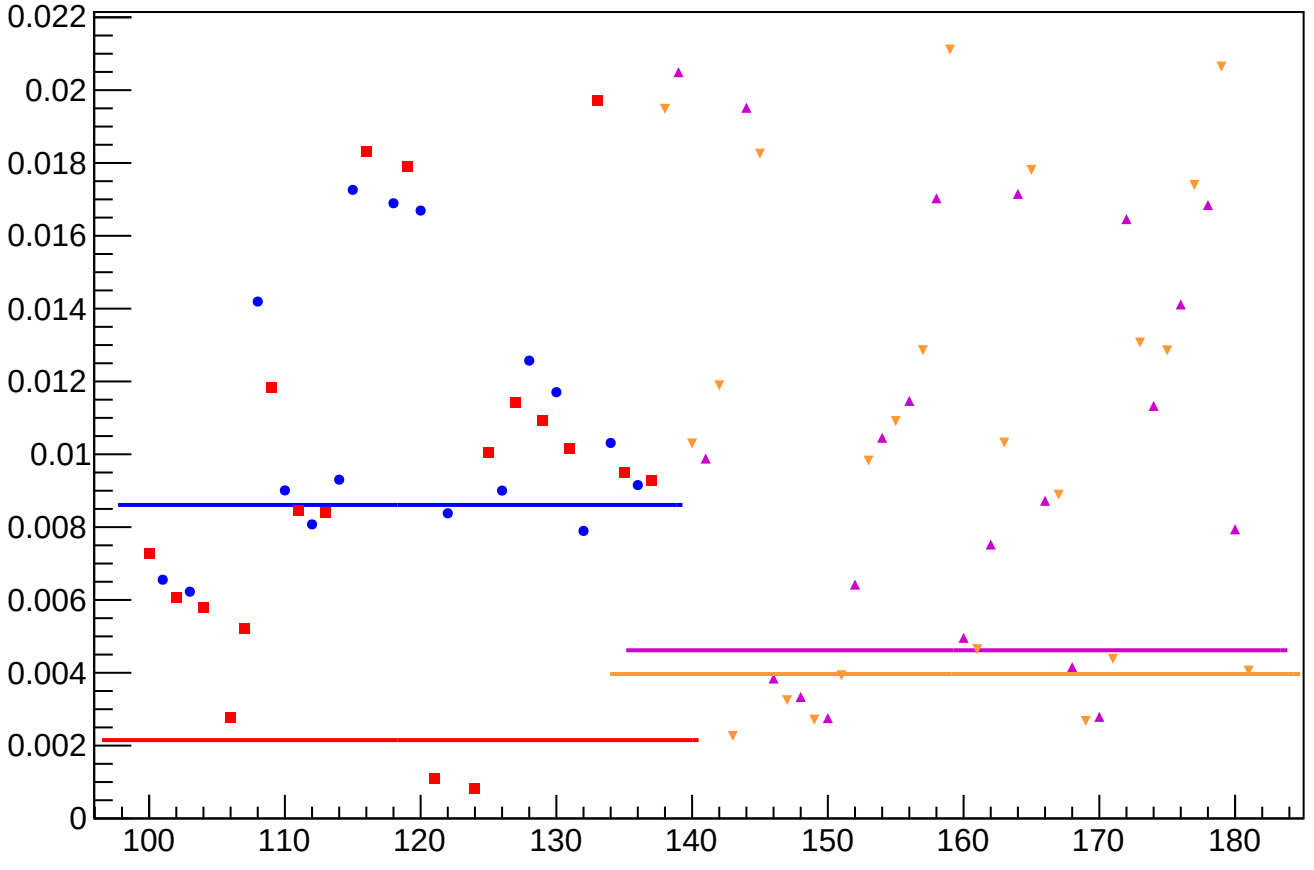
Left In: 0.000+/-0.000 χ^2/NDF:26.3/20

+ sign 0.000+/-0.000 χ^2/NDF: 57.4/38

All: -0.000+/-0.000 χ^2/NDF: 101.0/78

- sign -0.000+/-0.000 χ^2/NDF: 42.7/39

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:13092256.6/22

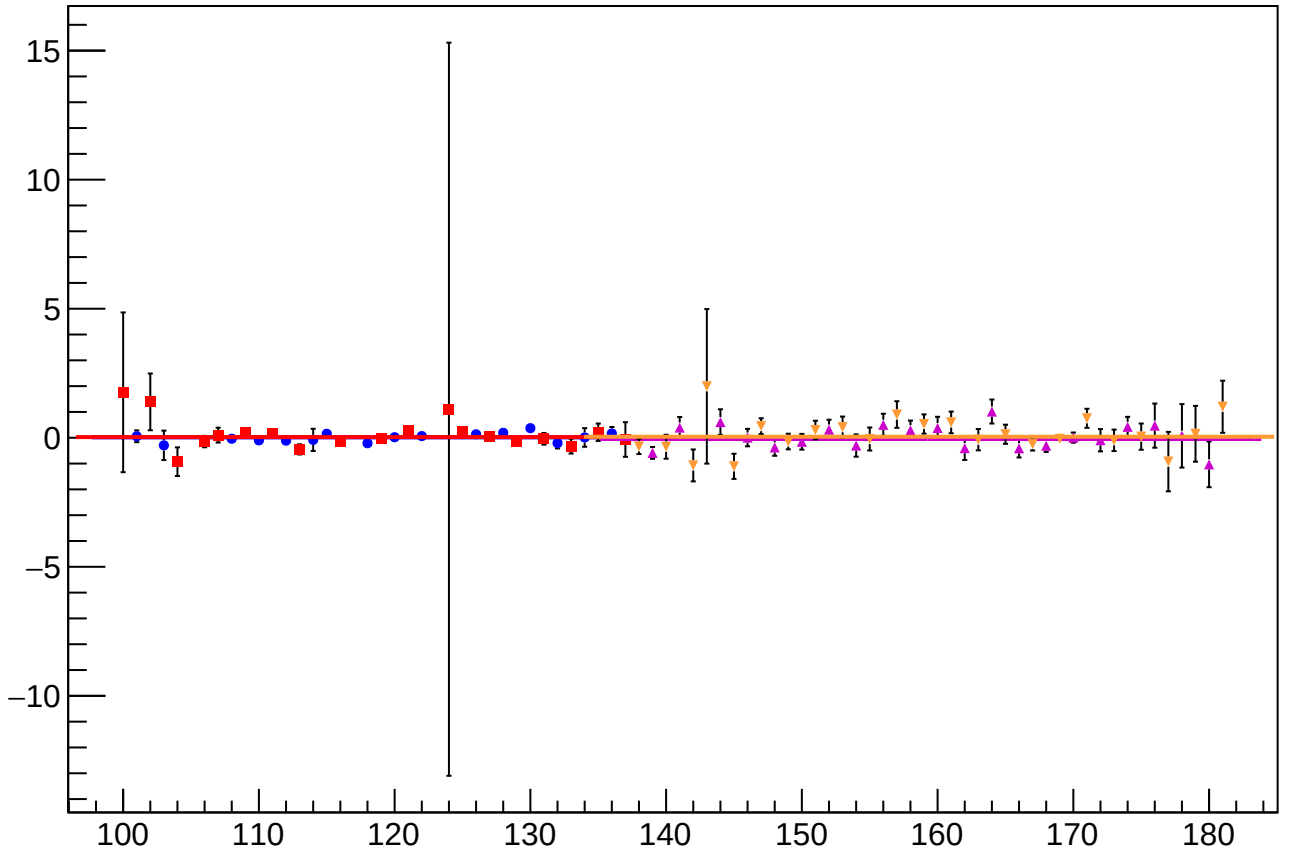
Right Out: 0.002+/-0.000 χ^2/NDF: 9086978.1/18

Left In: 0.005+/-0.000 χ^2/NDF:10643916.6/20

+ sign 0.004+/-0.000 χ^2/NDF: 17564033.5/38

All: 0.004+/-0.000 χ^2/NDF: 41721636.2/78

- sign 0.003+/-0.000 χ^2/NDF: 22876141.5/39



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: 0.039+/-0.079 χ^2/NDF:29.0/22

Right Out: 0.026+/-0.047 χ^2/NDF: 22.1/18

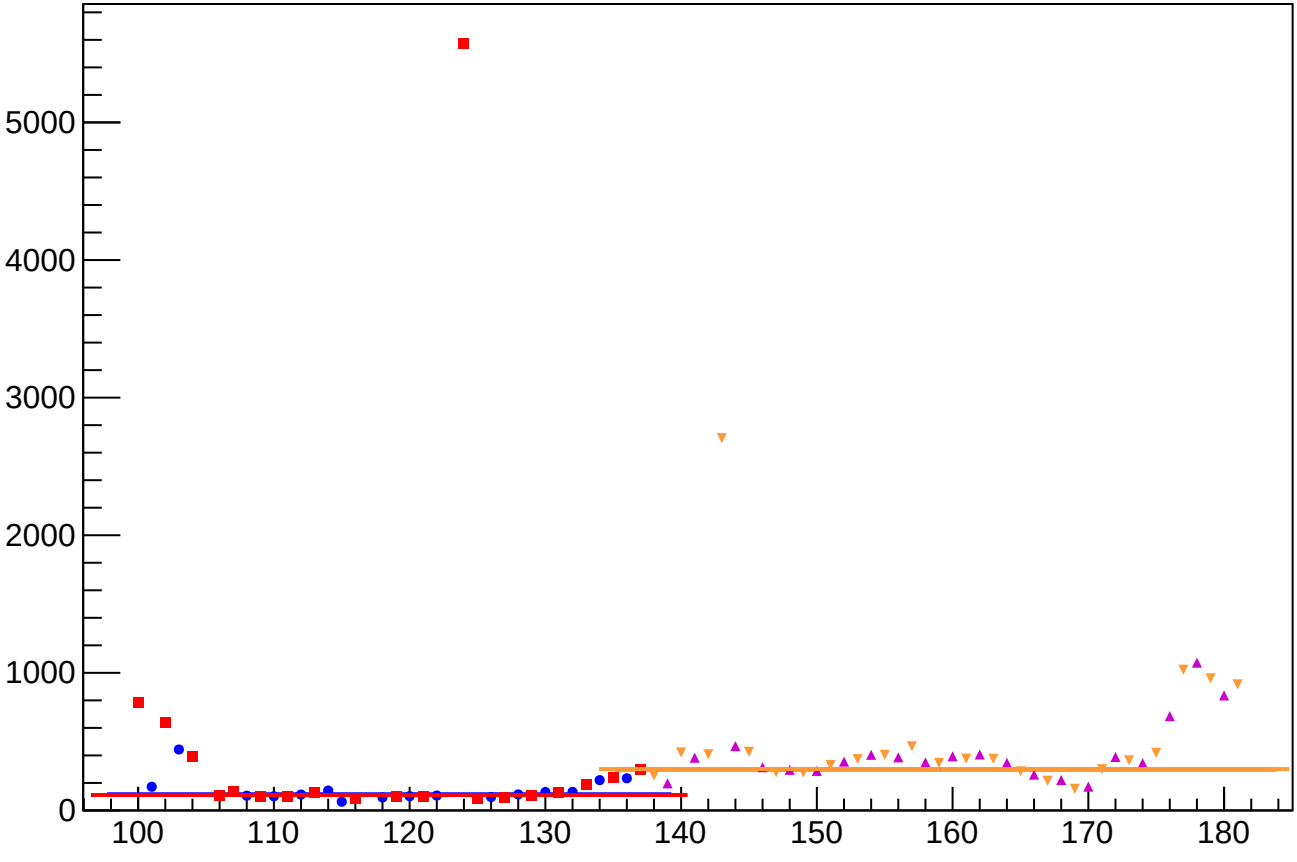
Left In: -0.049+/-0.078 χ^2/NDF:25.5/20

+ sign 0.022+/-0.041 χ^2/NDF: 40.8/38

All: 0.014+/-0.029 χ^2/NDF: 89.2/78

- sign 0.006+/-0.040 χ^2/NDF: 48.3/39

asym_atr1l2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 117.649+/-0.034 χ^2/NDF: 1722367.8/15

Left Out: 300.774+/-0.056 χ^2/NDF:6219092.8/22

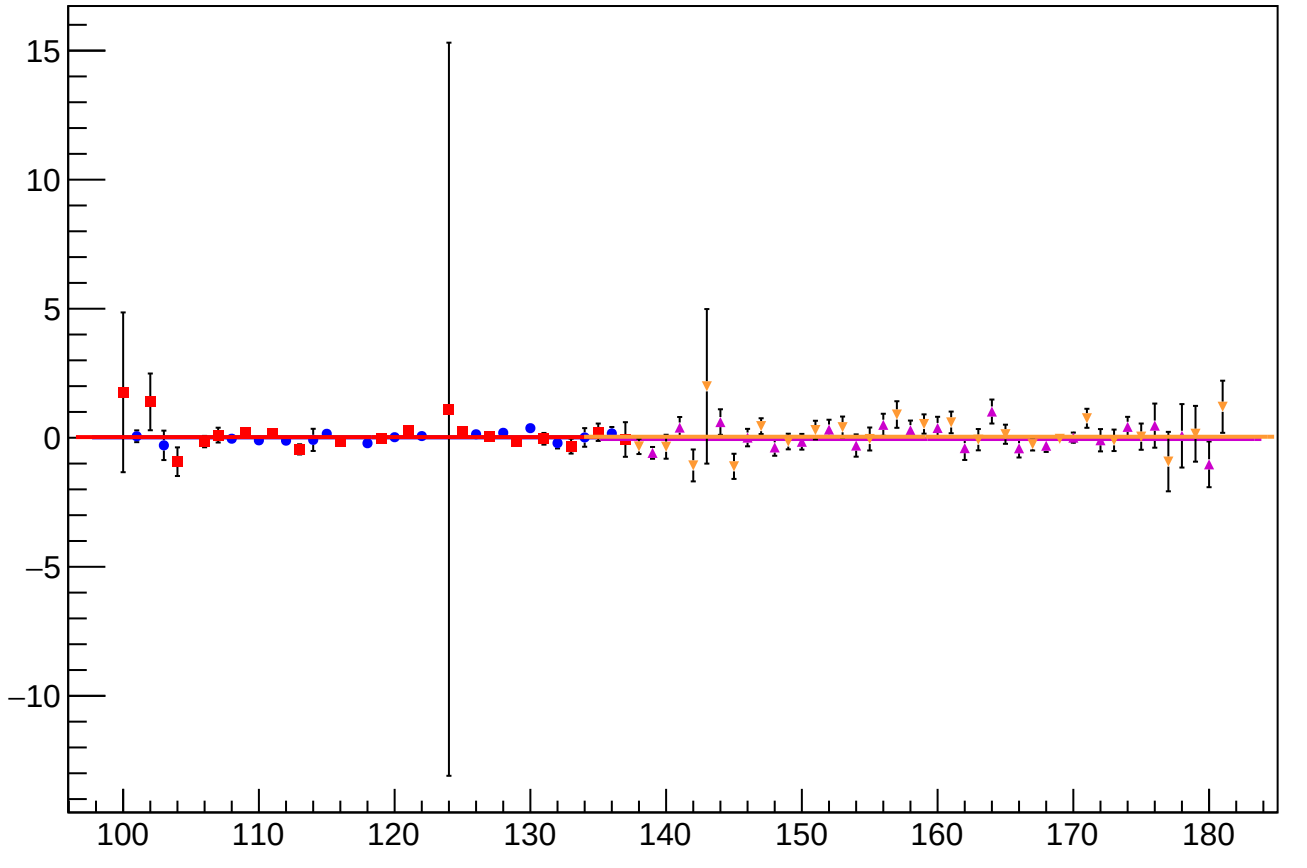
Right Out: 112.126+/-0.033 χ^2/NDF: 2186296.2/18

Left In: 297.984+/-0.055 χ^2/NDF:4330124.9/20

+ sign 167.071+/-0.029 χ^2/NDF: 15832696.1/38

All: 164.146+/-0.020 χ^2/NDF: 30704122.9/78

- sign 161.327+/-0.028 χ^2/NDF: 14851359.3/39



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: 0.039+/-0.079 χ^2/NDF:29.0/22

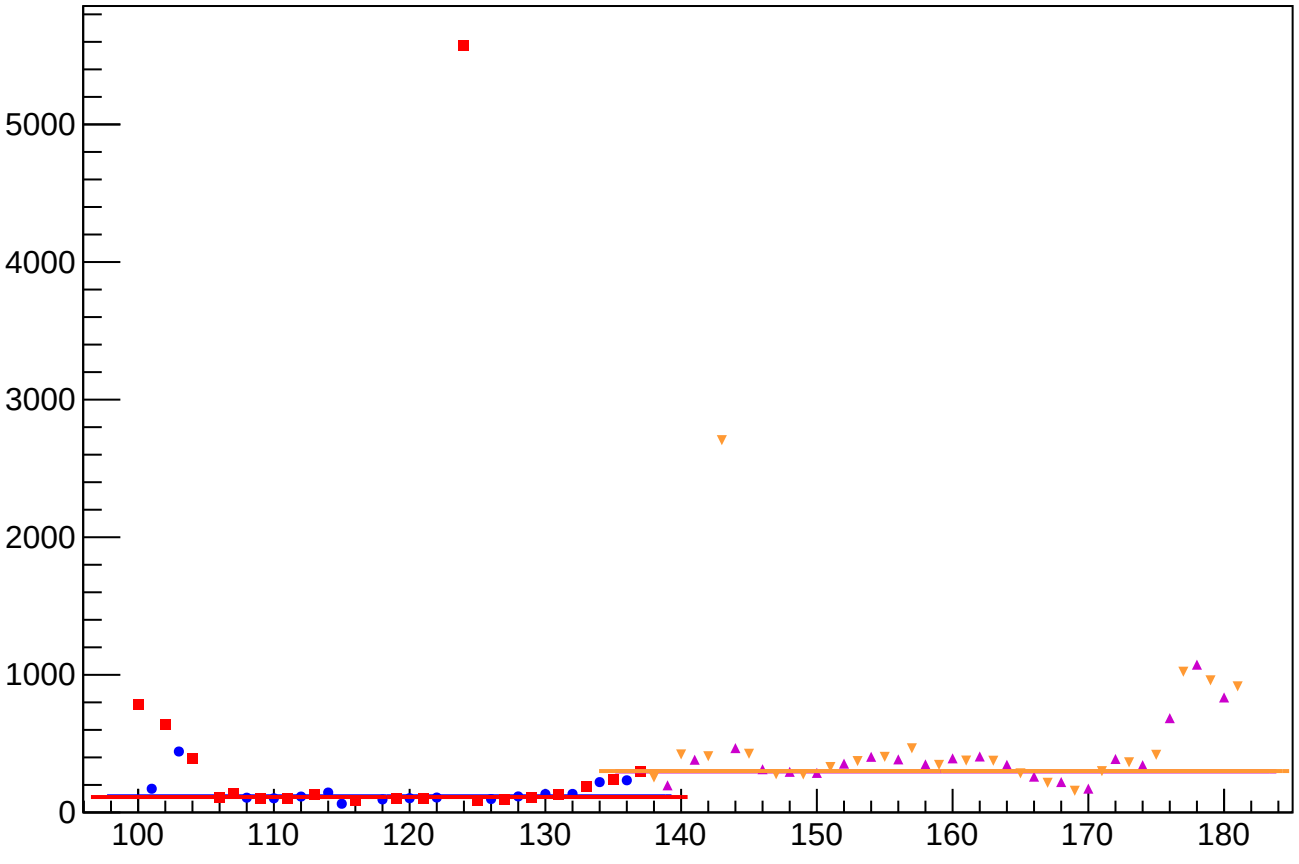
Right Out: 0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: -0.049+/-0.078 χ^2/NDF:25.5/20

+ sign 0.022+/-0.041 χ^2/NDF: 40.8/38

All: 0.014+/-0.029 χ^2/NDF: 89.2/78

- sign 0.006+/-0.040 χ^2/NDF: 48.3/39



Right In: 117.649+/-0.034 χ^2/NDF: 1722367.8/15

Left Out: 300.774+/-0.056 χ^2/NDF:6219092.8/22

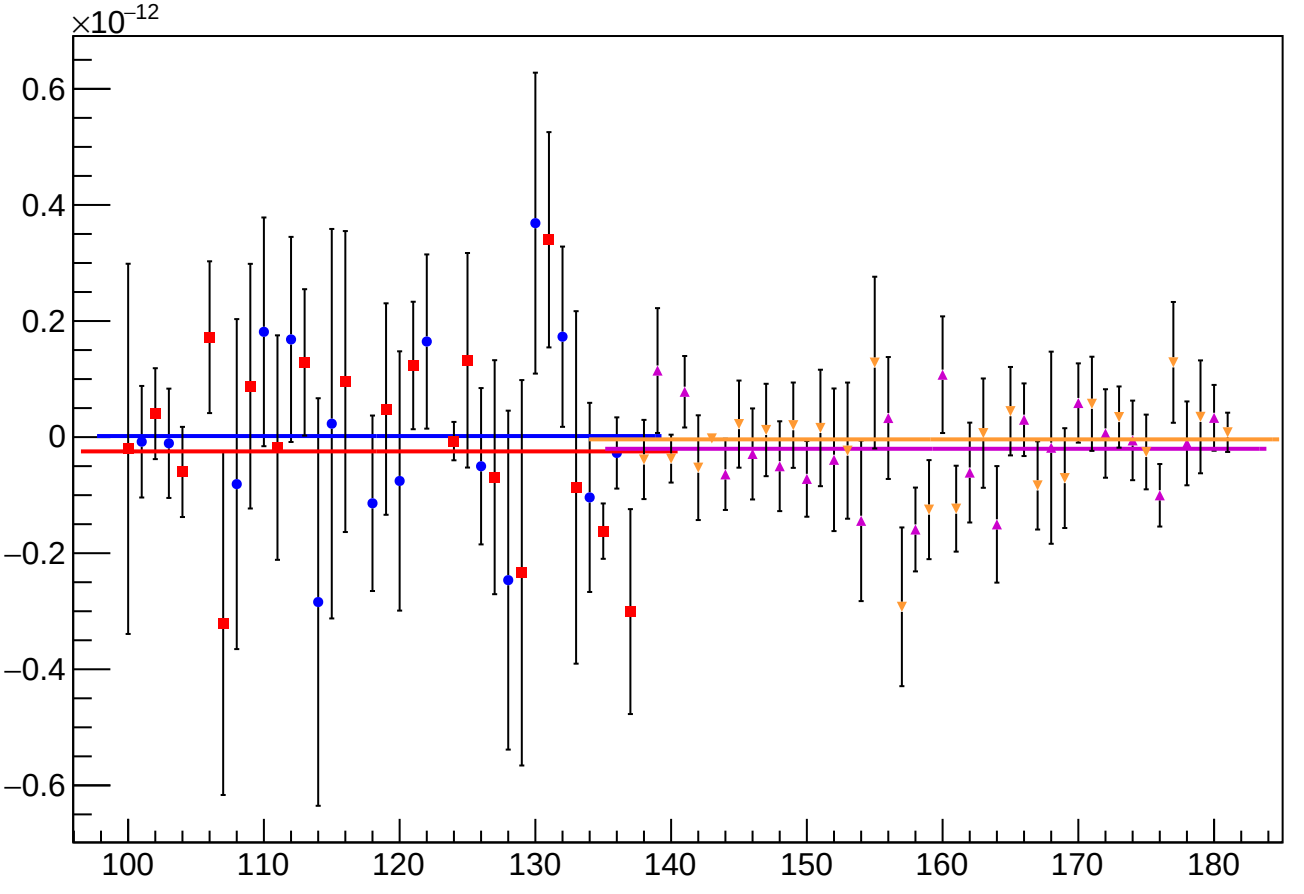
Right Out: 112.126+/-0.033 χ^2/NDF: 2186296.2/18

Left In: 297.984+/-0.055 χ^2/NDF:4330124.9/20

+ sign 167.071+/-0.029 χ^2/NDF: 15832696.1/38

All: 164.146+/-0.020 χ^2/NDF: 30704122.9/78

- sign 161.327+/-0.028 χ^2/NDF: 14851359.3/39



Right In: 0.000+/-0.000 χ^2/NDF: 9.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:16.7/22

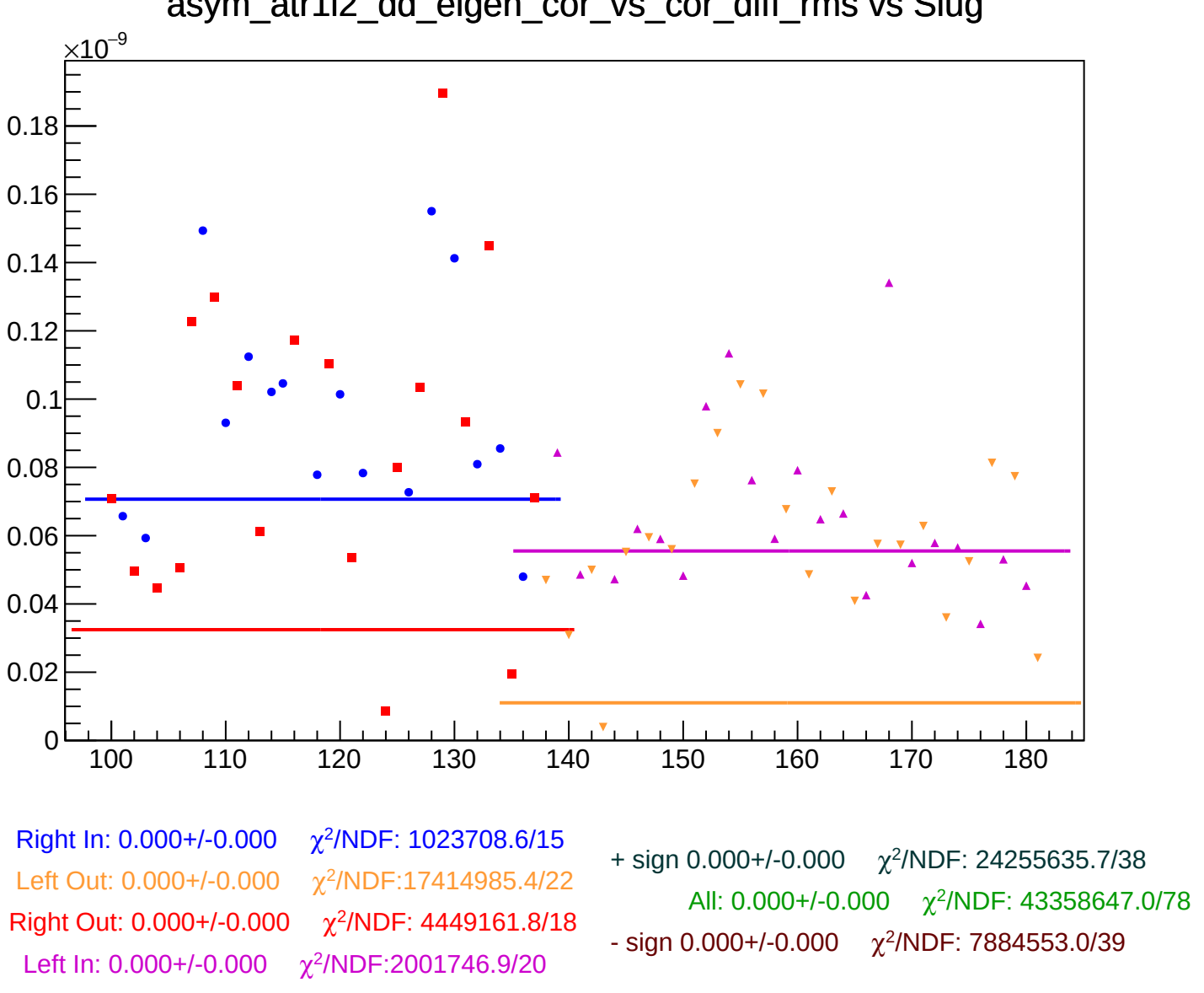
Right Out: -0.000+/-0.000 χ^2/NDF: 24.2/18

Left In: -0.000+/-0.000 χ^2/NDF:19.0/20

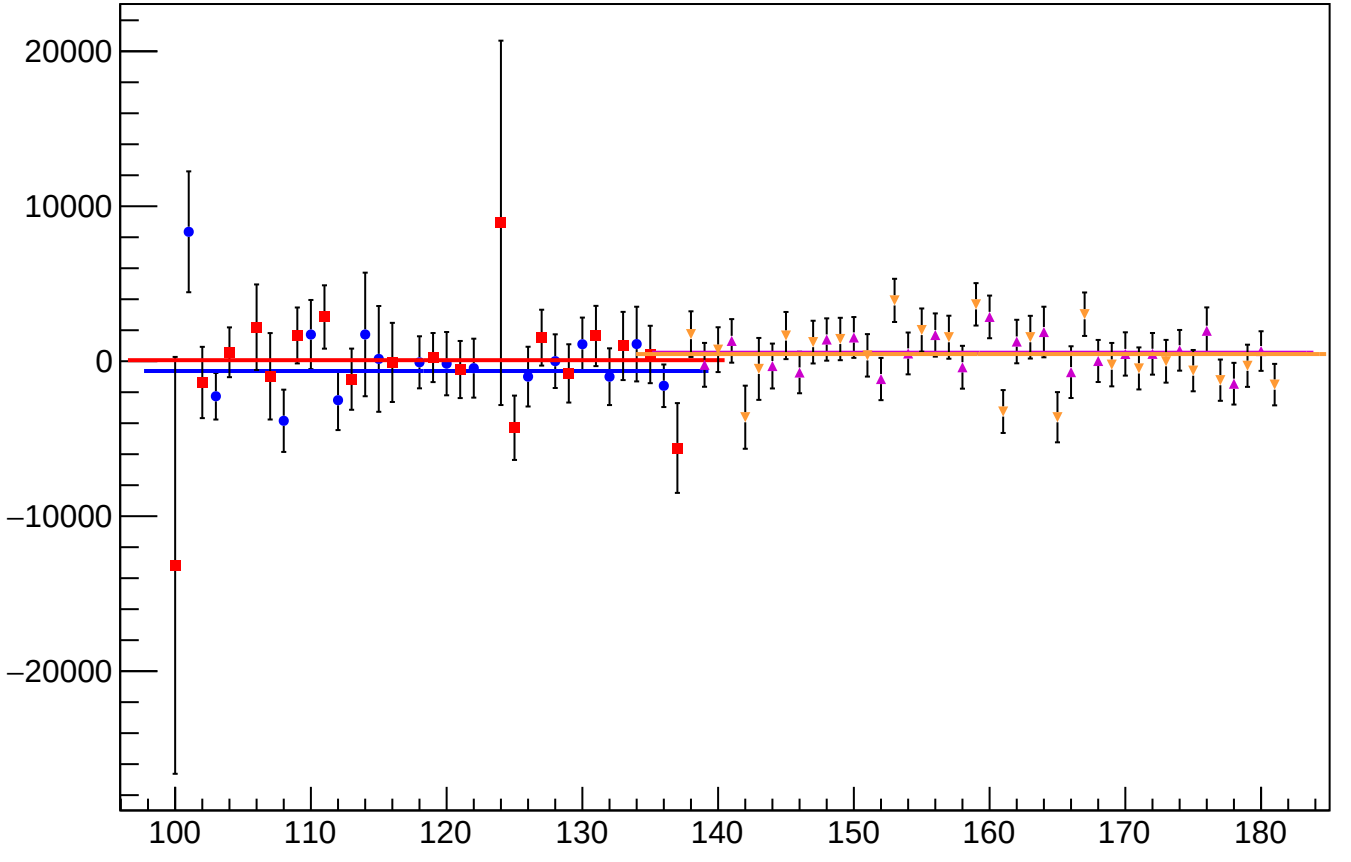
+ sign -0.000+/-0.000 χ^2/NDF: 25.8/38

All: -0.000+/-0.000 χ^2/NDF: 70.7/78

- sign -0.000+/-0.000 χ^2/NDF: 43.2/39


asym_atr1l2_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: 1023708.6/15
Left Out: 0.000+/-0.000 χ²/NDF:17414985.4/22
Right Out: 0.000+/-0.000 χ²/NDF: 4449161.8/18
Left In: 0.000+/-0.000 χ²/NDF:2001746.9/20
+ sign 0.000+/-0.000 χ²/NDF: 24255635.7/38
All: 0.000+/-0.000 χ²/NDF: 43358647.0/78
- sign 0.000+/-0.000 χ²/NDF: 7884553.0/39

reg_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 462.177+/-297.716 χ^2/NDF:43.0/22

Right Out: 67.642+/-487.761 χ^2/NDF: 15.9/18

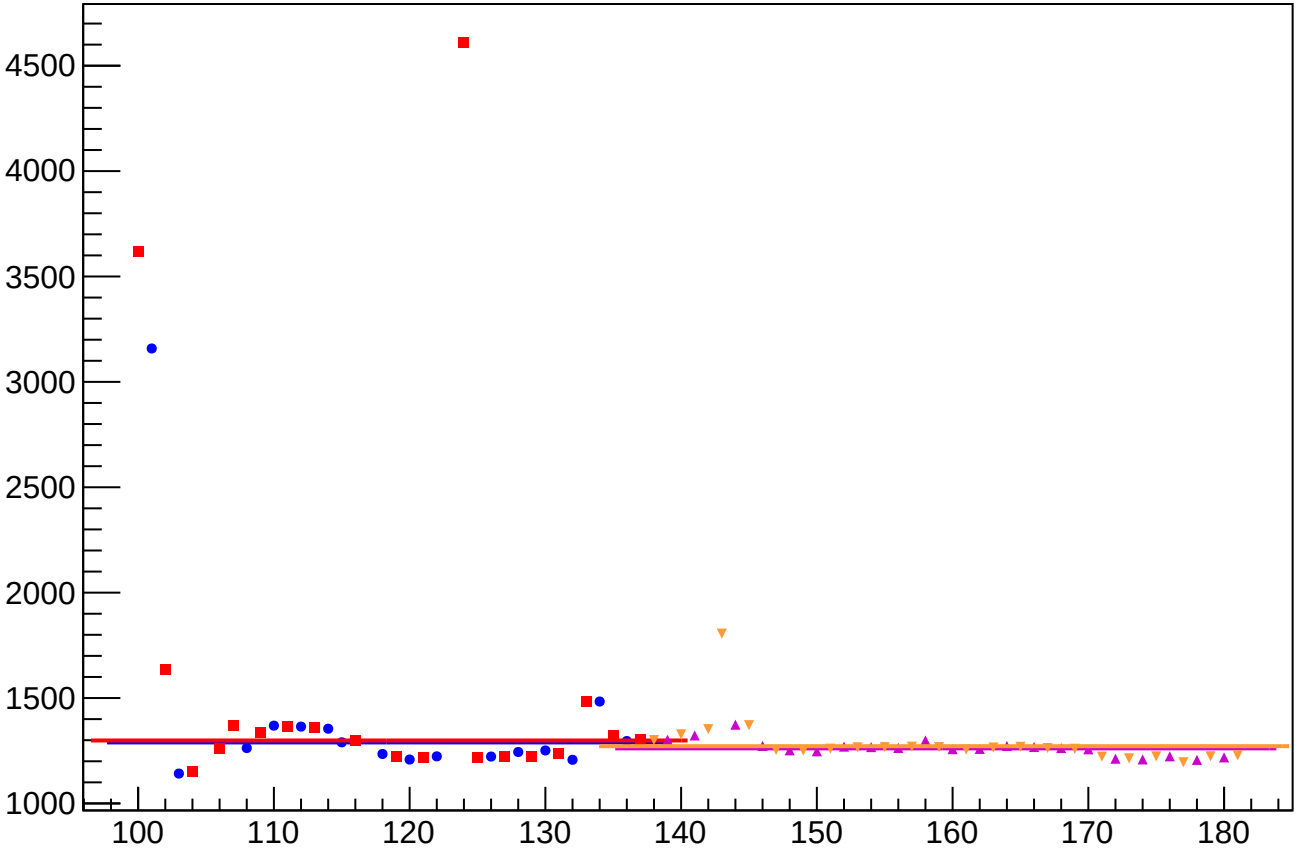
Left In: 549.417+/-303.758 χ^2/NDF:13.1/20

+ sign 166.241+/-254.247 χ^2/NDF: 60.6/38

All: 288.766+/-181.039 χ^2/NDF: 90.7/78

- sign 414.785+/-257.846 χ^2/NDF: 29.6/39

reg_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1271.558+/-0.211 χ^2/NDF:179720.0/22

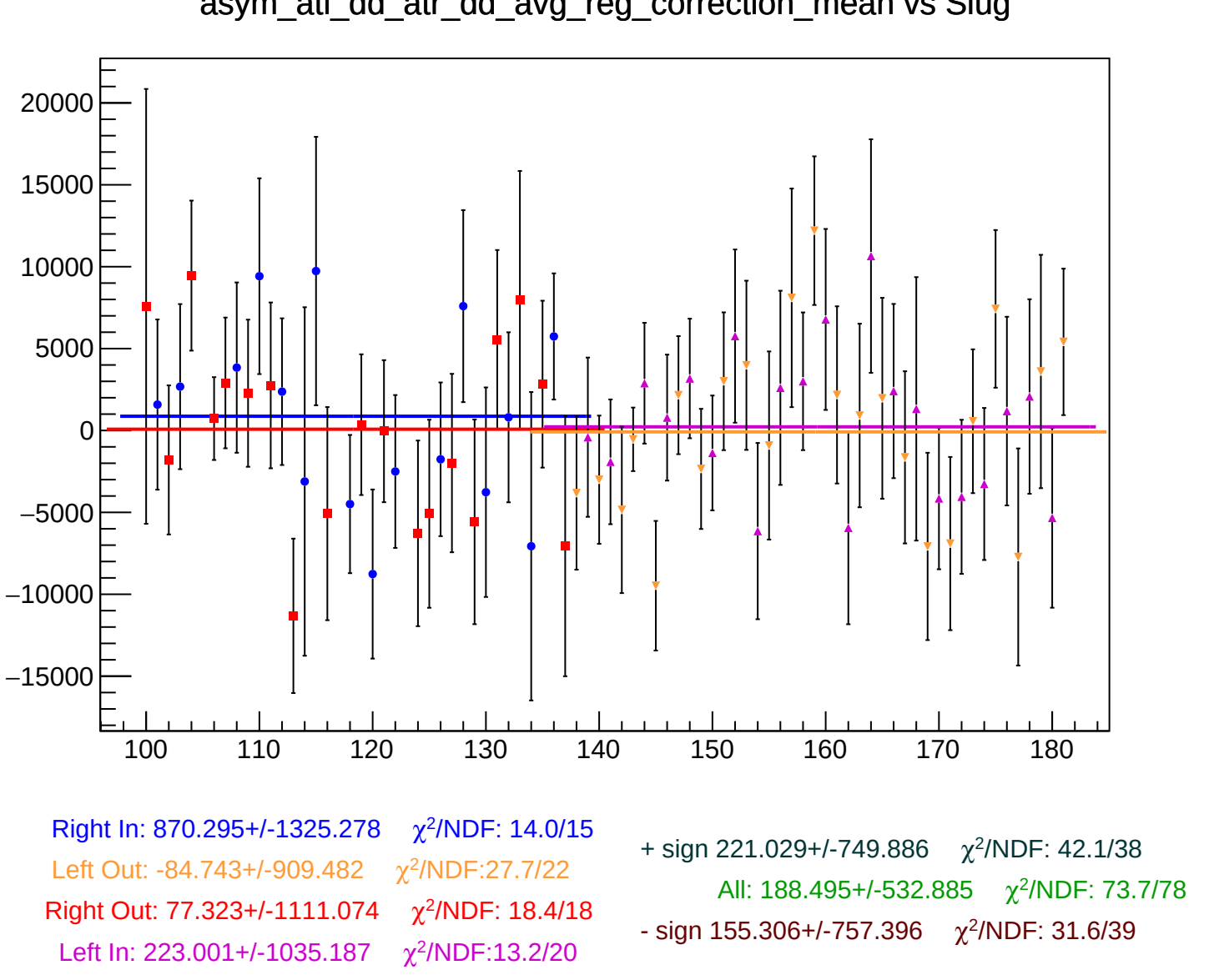
Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

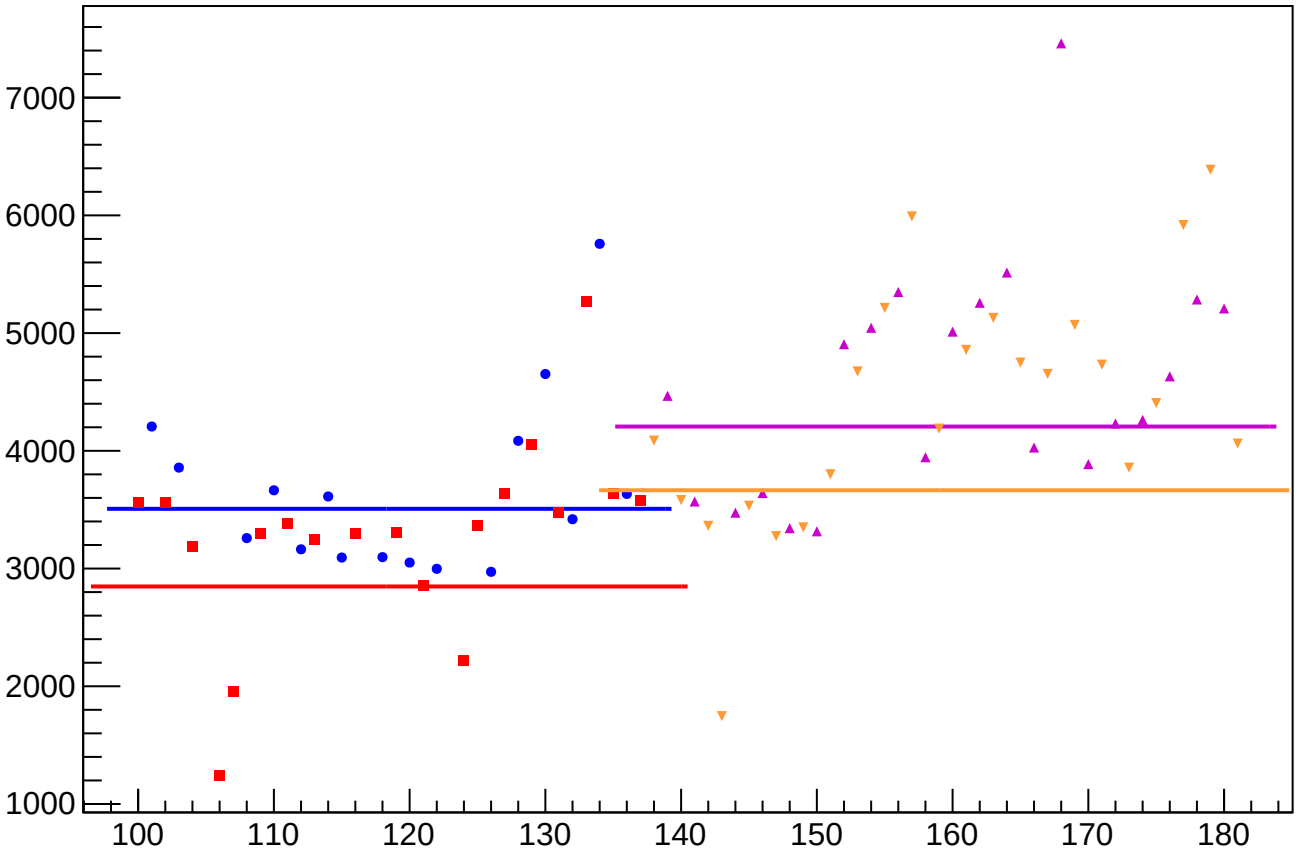
Left In: 1261.174+/-0.215 χ^2/NDF:32411.3/20

+ sign 1276.406+/-0.180 χ^2/NDF: 696353.9/38

All: 1274.078+/-0.128 χ^2/NDF: 1057021.8/78

- sign 1271.688+/-0.182 χ^2/NDF: 360328.1/39


asym_atl_dd_atr_dd_avg_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: -84.743+/-909.482 χ²/NDF:27.7/22
Right Out: 77.323+/-1111.074 χ²/NDF: 18.4/18
Left In: 223.001+/-1035.187 χ²/NDF:13.2/20
+ sign 221.029+/-749.886 χ²/NDF: 42.1/38
All: 188.495+/-532.885 χ²/NDF: 73.7/78
- sign 155.306+/-757.396 χ²/NDF: 31.6/39



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

Left Out: 3665.168+/-0.643 χ^2/NDF:3675034.8/22

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

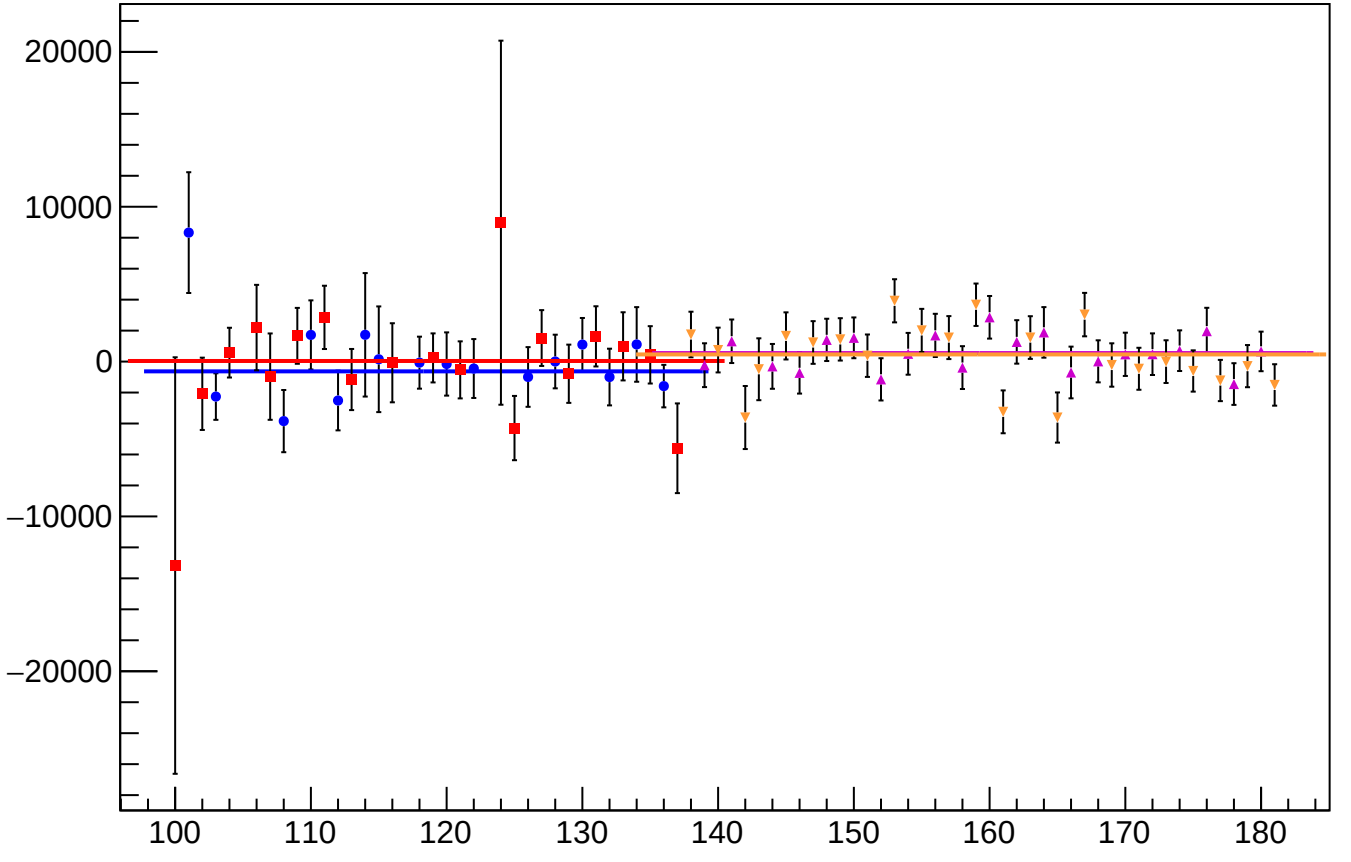
Left In: 4206.175+/-0.732 χ^2/NDF:1248623.3/20

+ sign 3614.655+/-0.530 χ^2/NDF: 4048283.6/38

All: 3595.011+/-0.377 χ^2/NDF: 8399239.7/78

- sign 3574.972+/-0.536 χ^2/NDF: 4348183.7/39

cor_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 462.210+/-297.716 χ^2/NDF:43.0/22

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

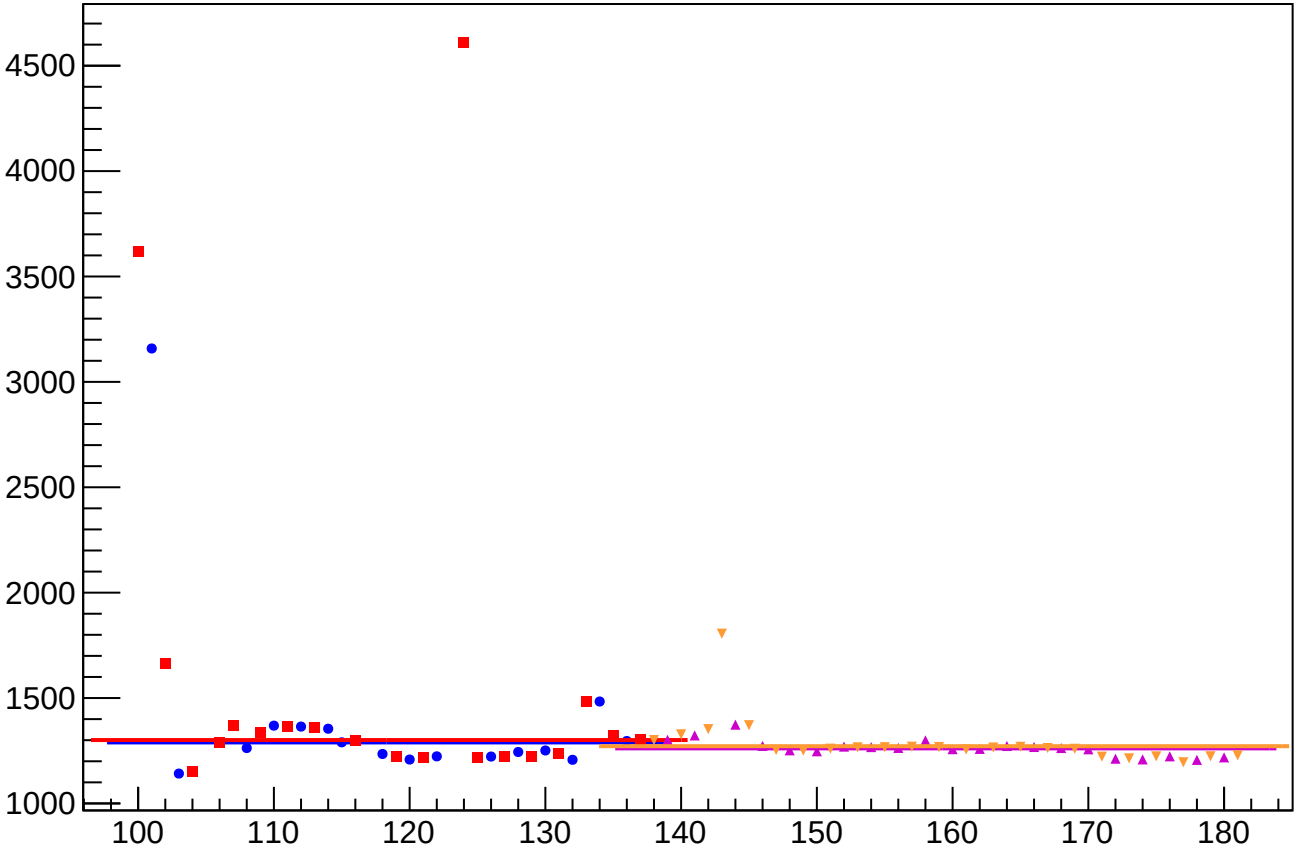
Left In: 549.318+/-303.758 χ^2/NDF:13.1/20

+ sign 166.160+/-254.247 χ^2/NDF: 60.6/38

All: 284.737+/-181.055 χ^2/NDF: 91.2/78

- sign 406.740+/-257.893 χ^2/NDF: 30.2/39

cor_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1271.558+/-0.211 χ^2/NDF:179720.0/22

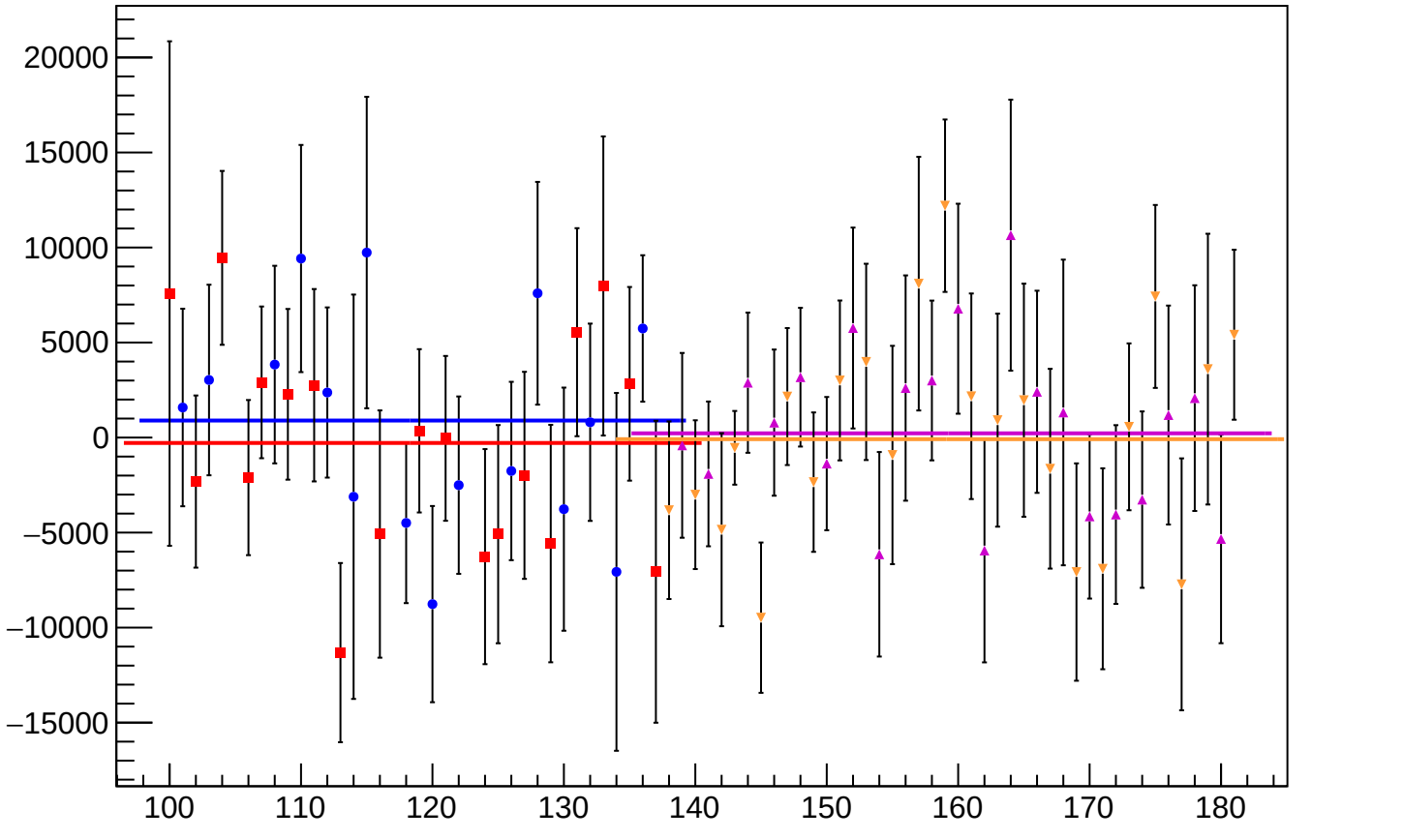
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1261.174+/-0.215 χ^2/NDF:32411.2/20

+ sign 1276.406+/-0.180 χ^2/NDF: 696355.3/38

All: 1274.349+/-0.128 χ^2/NDF: 1064411.8/78

- sign 1272.234+/-0.182 χ^2/NDF: 367790.9/39



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -84.671+/-909.481 χ^2/NDF:27.7/22

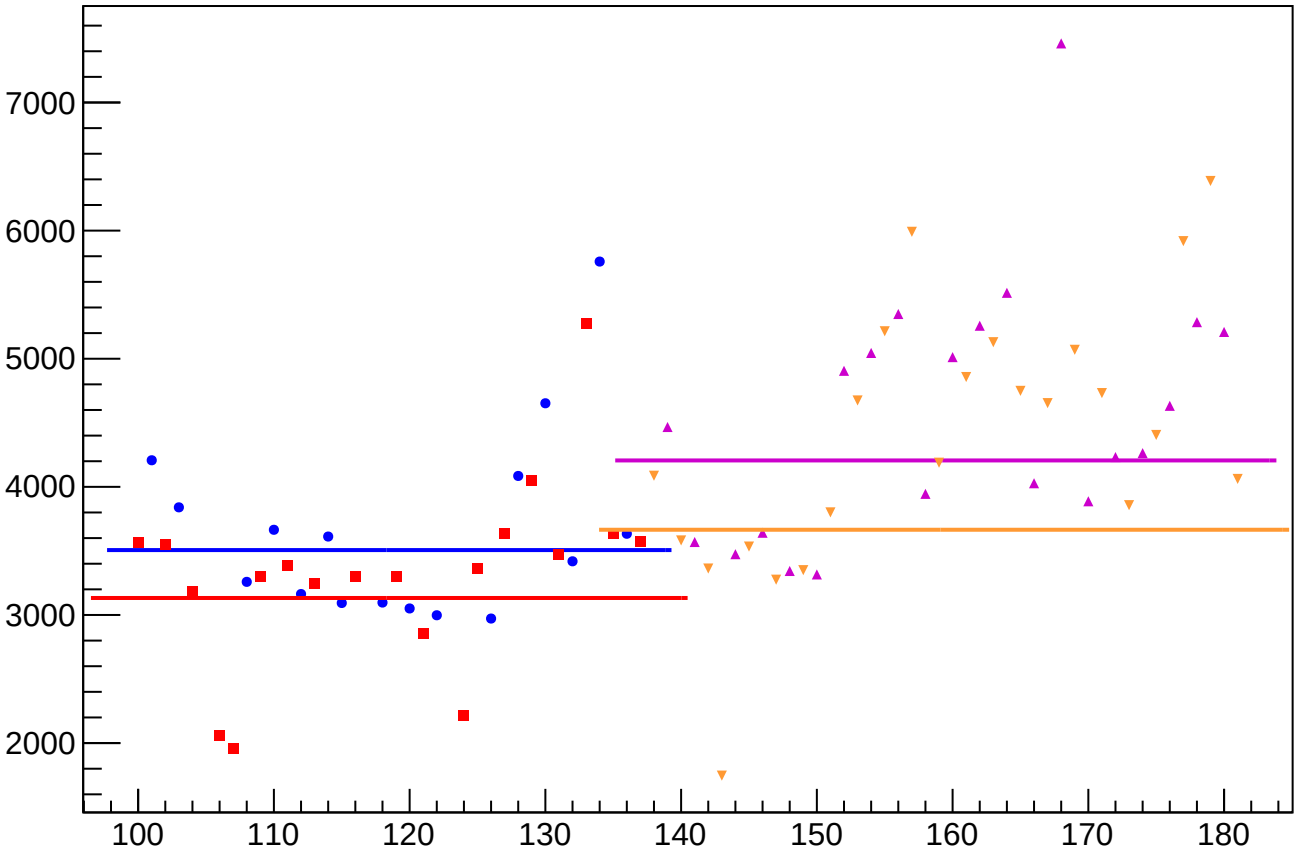
Right Out: -283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: 222.990+/-1035.185 χ^2/NDF:13.2/20

+ sign 229.459+/-749.803 χ^2/NDF: 42.1/38

All: 120.653+/-540.246 χ^2/NDF: 74.1/78

- sign 3.183+/-779.086 χ^2/NDF: 32.0/39



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3665.160+/-0.643 χ^2/NDF:3675073.2/22

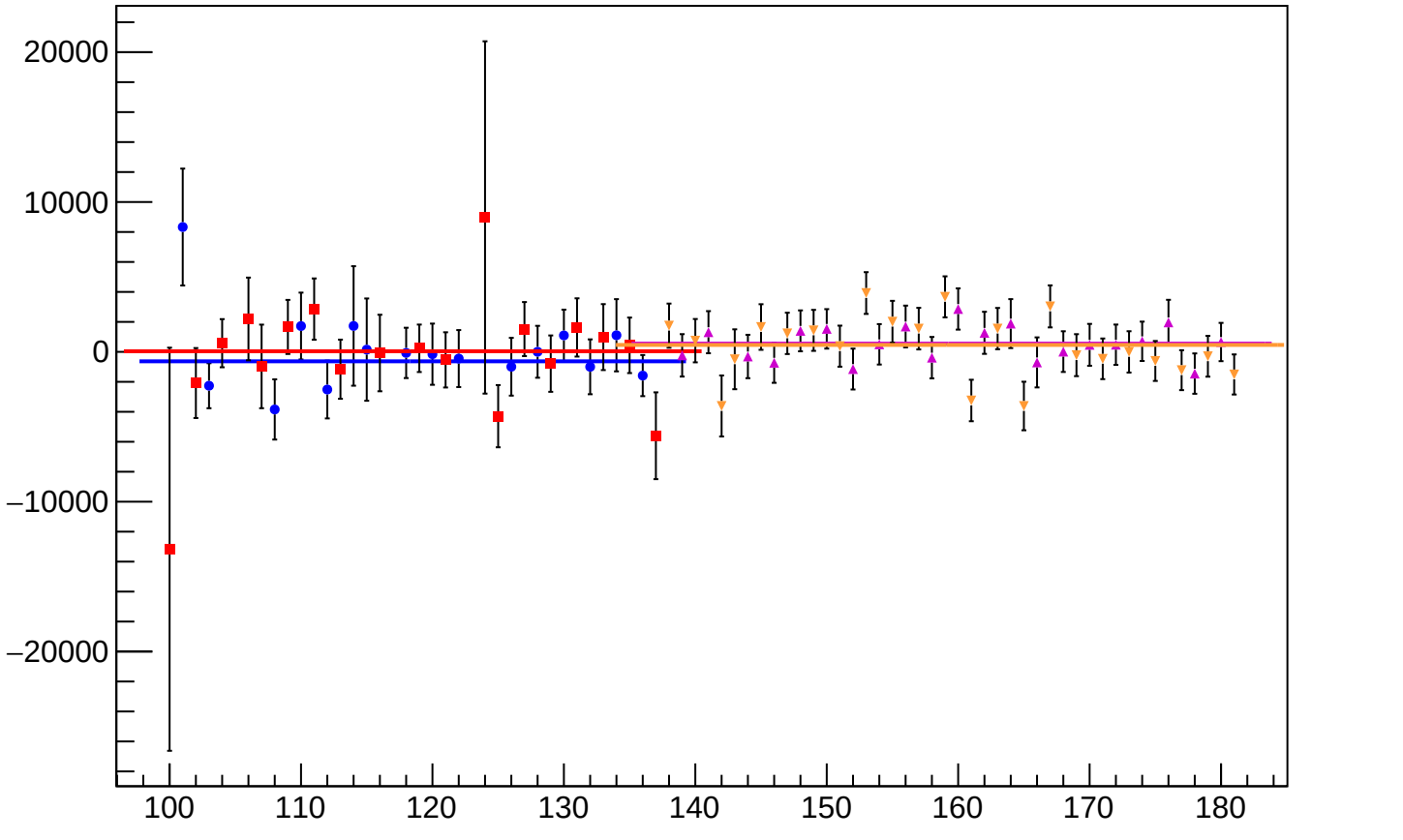
Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 4206.169+/-0.732 χ^2/NDF:1248621.9/20

+ sign 3614.334+/-0.530 χ^2/NDF: 4047811.4/38

All: 3675.087+/-0.382 χ^2/NDF: 6906046.0/78

- sign 3740.679+/-0.551 χ^2/NDF: 2830928.1/39



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 462.210+/-297.716 χ^2/NDF:43.0/22

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

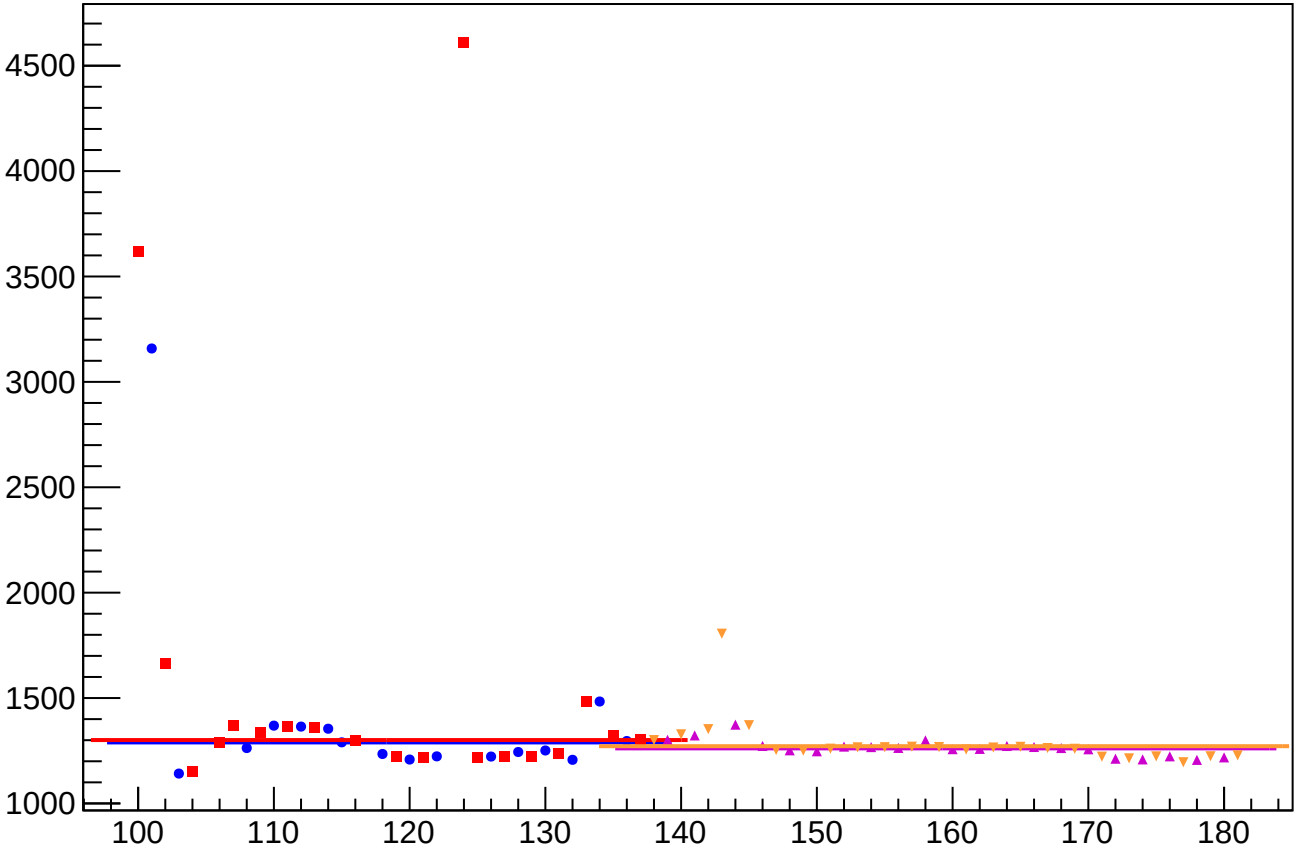
Left In: 549.318+/-303.758 χ^2/NDF:13.1/20

+ sign 166.160+/-254.247 χ^2/NDF: 60.6/38

All: 284.737+/-181.055 χ^2/NDF: 91.2/78

- sign 406.740+/-257.893 χ^2/NDF: 30.2/39

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: 1271.558+/-0.211 χ^2/NDF:179720.0/22

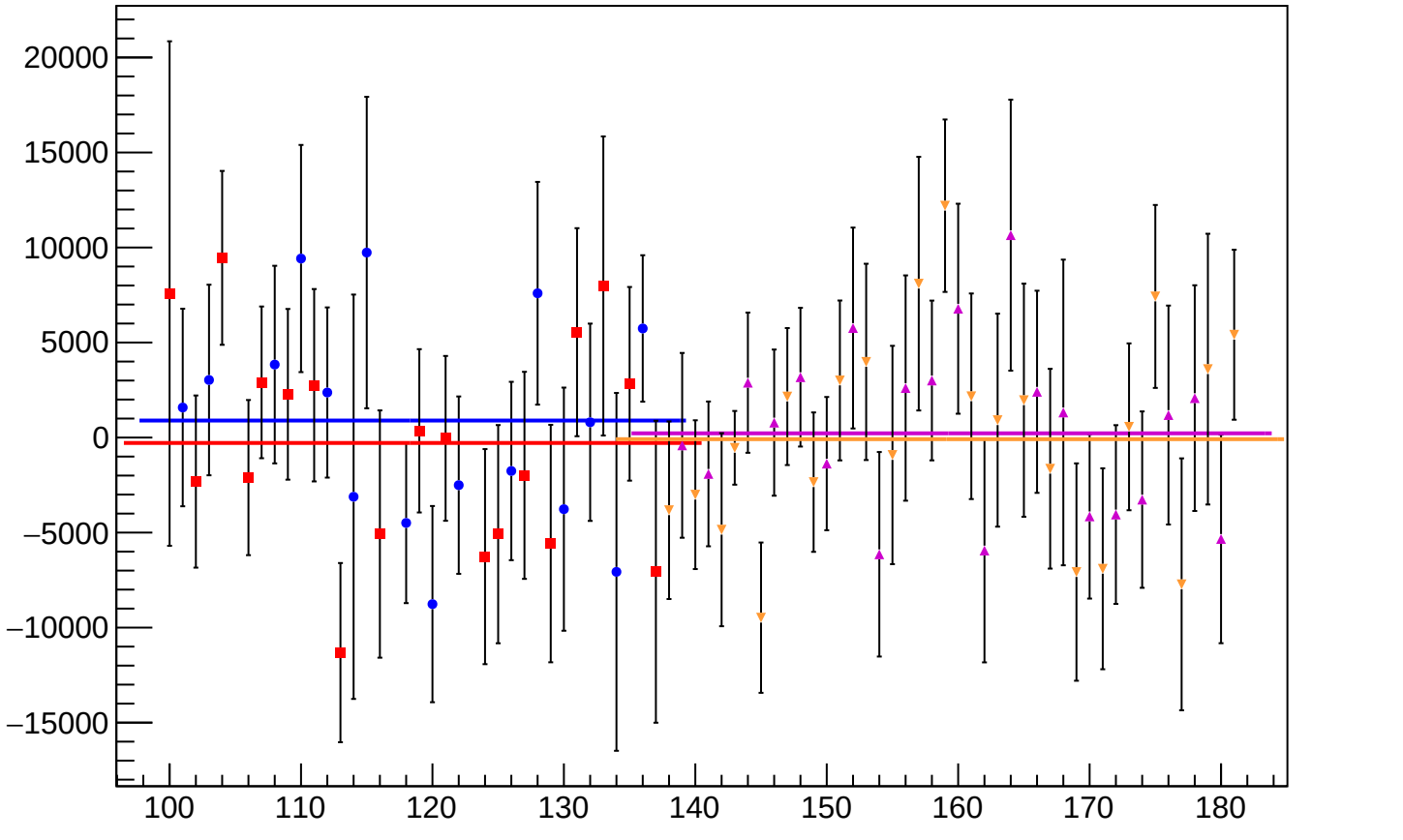
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1261.174+/-0.215 χ^2/NDF:32411.2/20

+ sign 1276.406+/-0.180 χ^2/NDF: 696355.3/38

All: 1274.349+/-0.128 χ^2/NDF: 1064411.8/78

- sign 1272.234+/-0.182 χ^2/NDF: 367790.9/39



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -84.671+/-909.481 χ^2/NDF:27.7/22

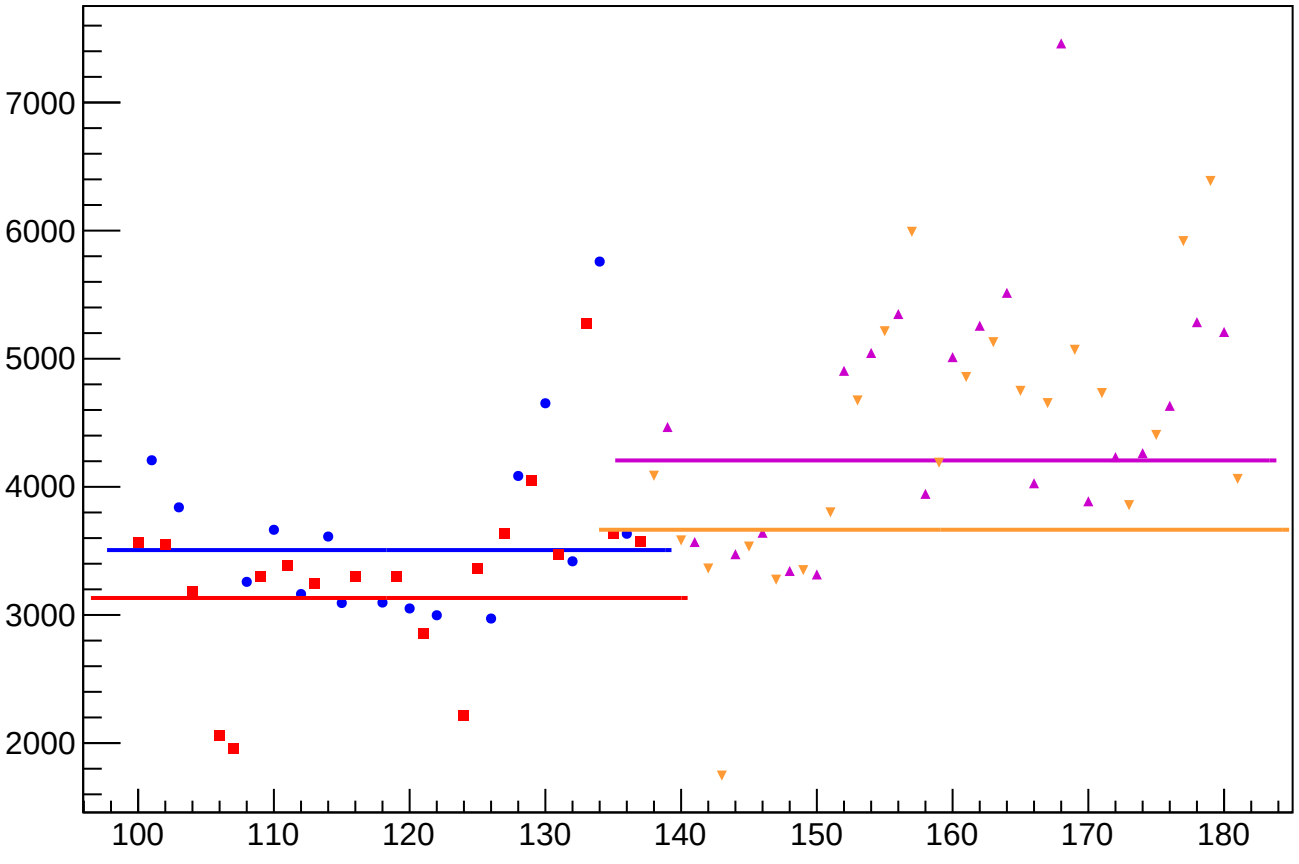
Right Out: -283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: 222.990+/-1035.185 χ^2/NDF:13.2/20

+ sign 229.459+/-749.803 χ^2/NDF: 42.1/38

All: 120.653+/-540.246 χ^2/NDF: 74.1/78

- sign 3.183+/-779.086 χ^2/NDF: 32.0/39



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3665.160+/-0.643 χ^2/NDF:3675073.2/22

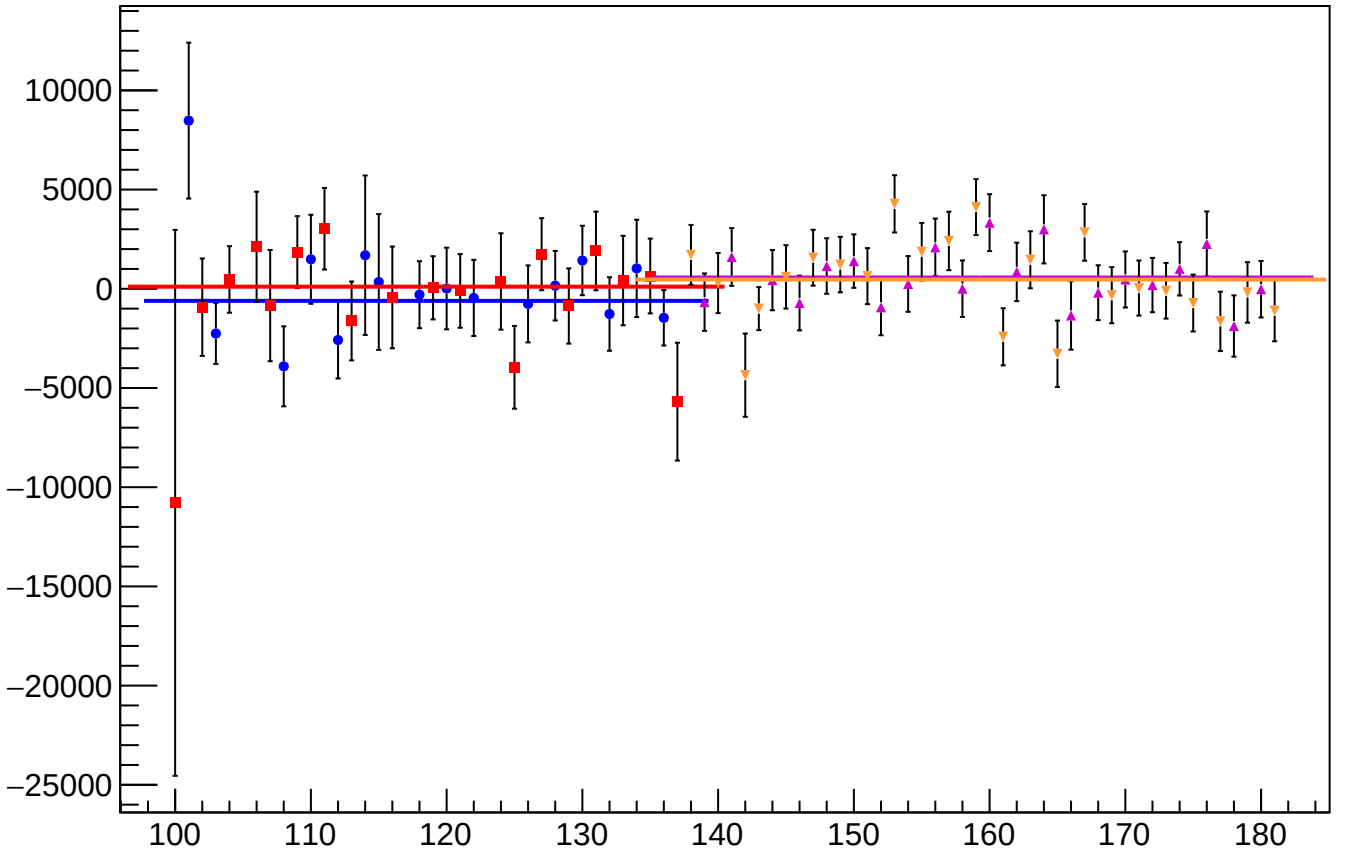
Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 4206.169+/-0.732 χ^2/NDF:1248621.9/20

+ sign 3614.334+/-0.530 χ^2/NDF: 4047811.4/38

All: 3675.087+/-0.382 χ^2/NDF: 6906046.0/78

- sign 3740.679+/-0.551 χ^2/NDF: 2830928.1/39



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 465.770+/-302.813 χ^2/NDF:41.8/22

Right Out: 108.614+/-485.552 χ^2/NDF: 14.9/18

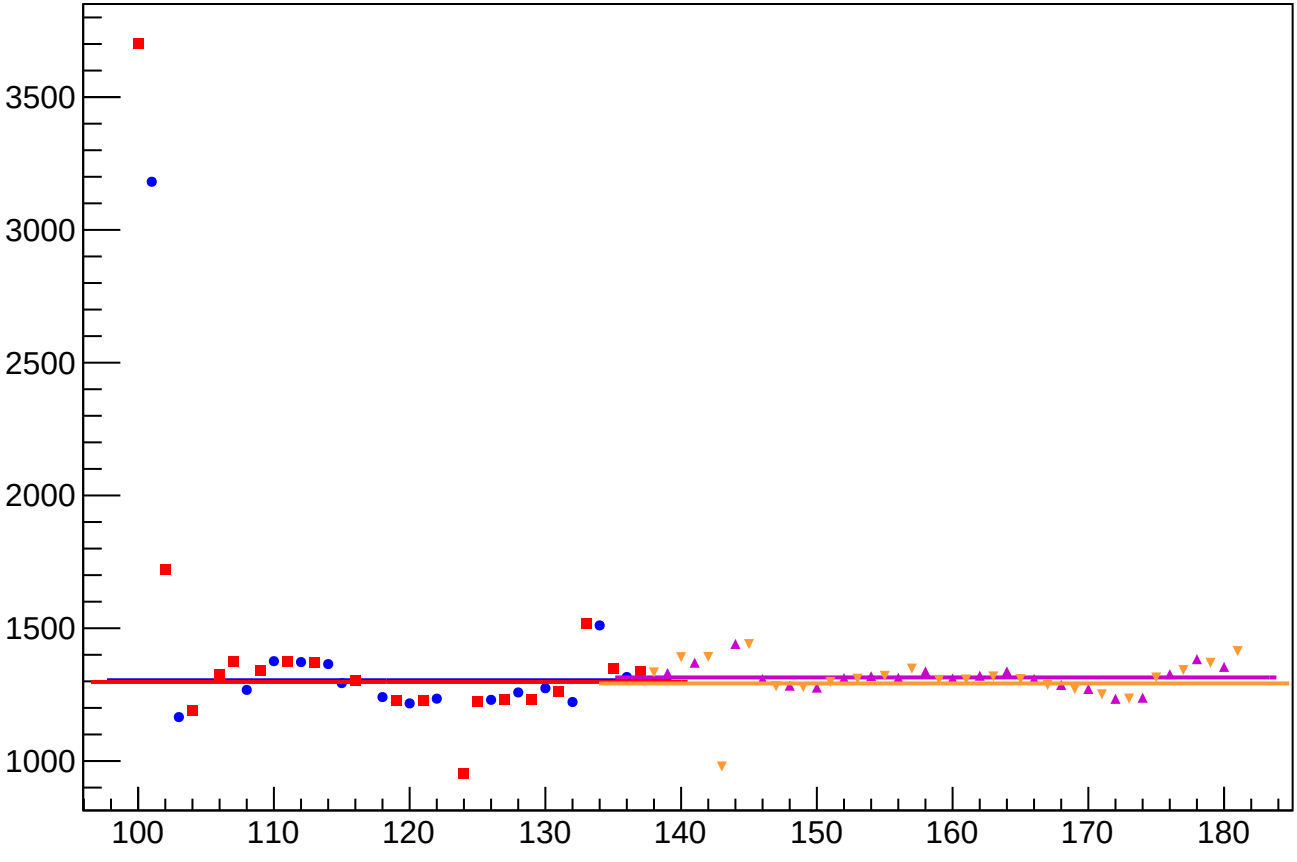
Left In: 568.638+/-316.767 χ^2/NDF:16.3/20

+ sign 172.702+/-258.196 χ^2/NDF: 59.4/38

All: 298.492+/-185.033 χ^2/NDF: 91.7/78

- sign 431.300+/-265.302 χ^2/NDF: 31.8/39

dit_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1292.099+/-0.214 χ^2/NDF:229751.7/22

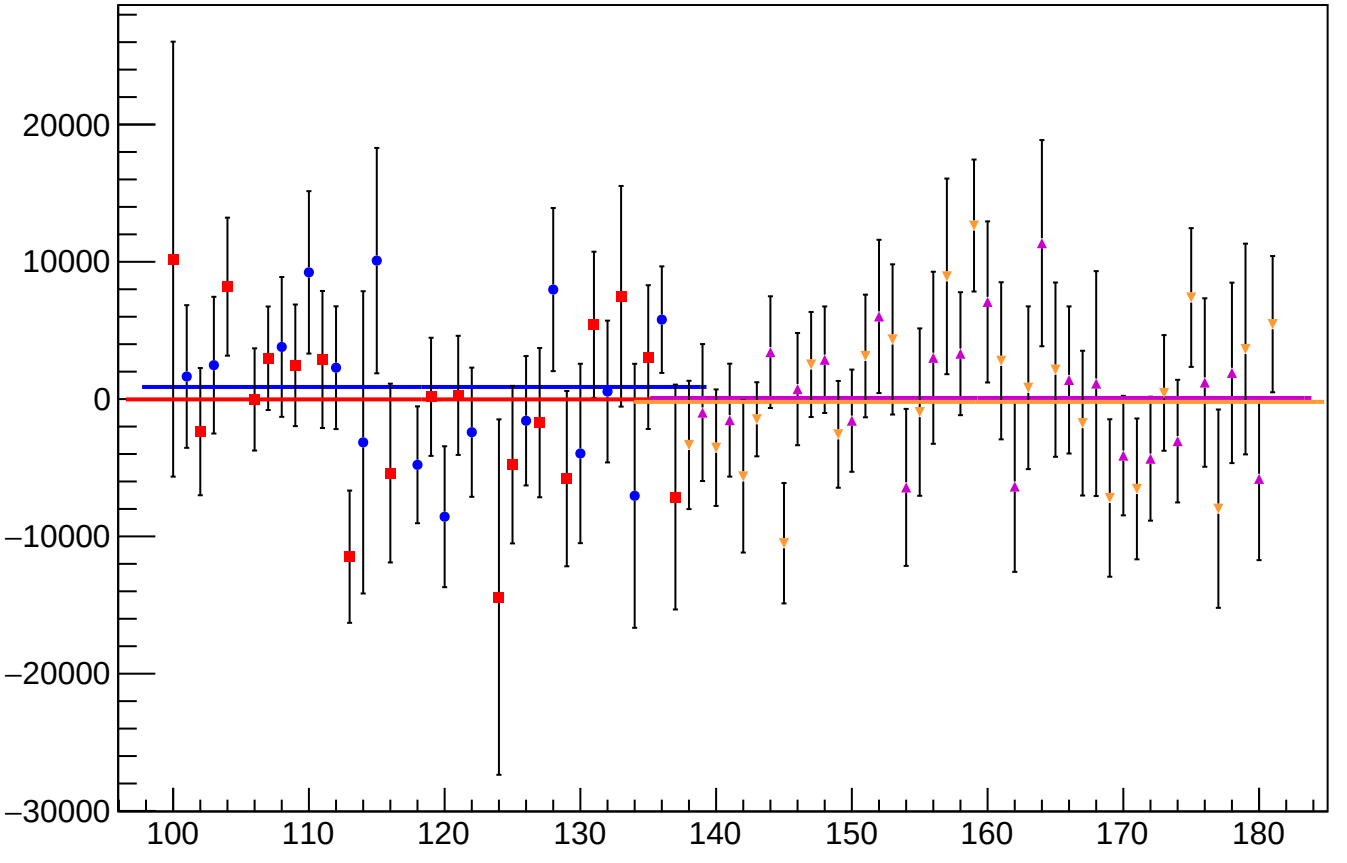
Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1314.719+/-0.224 χ^2/NDF:42300.5/20

+ sign 1295.376+/-0.183 χ^2/NDF: 741198.9/38

All: 1302.326+/-0.131 χ^2/NDF: 1001281.0/78

- sign 1309.661+/-0.188 χ^2/NDF: 257103.2/39



Right In: 884.058+/-1327.399 χ^2/NDF: 14.1/15

Left Out: -201.438+/-1004.291 χ^2/NDF:27.2/22

Right Out: -20.681+/-1200.015 χ^2/NDF: 16.8/18

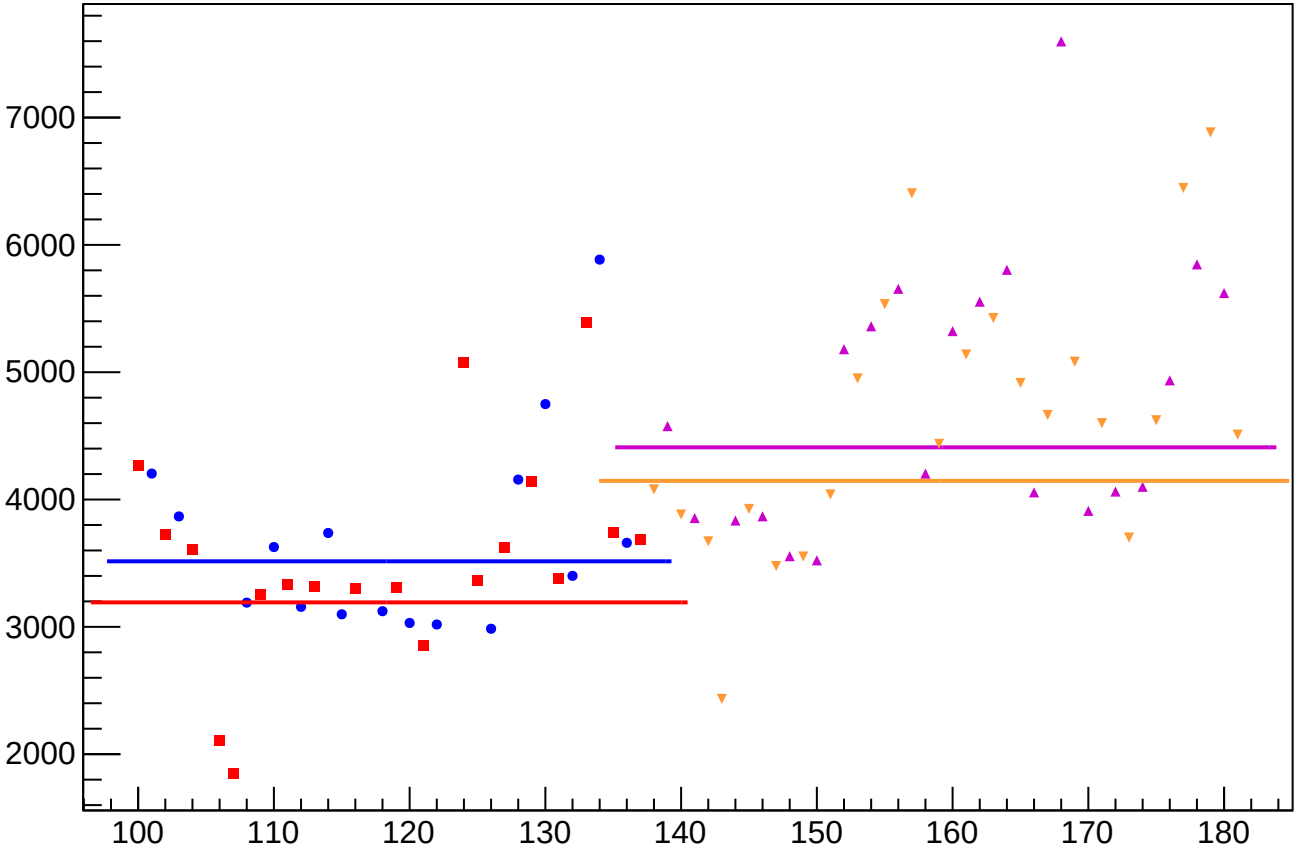
Left In: 82.228+/-1085.423 χ^2/NDF:13.1/20

+ sign 193.725+/-800.894 χ^2/NDF: 41.8/38

All: 115.224+/-567.757 χ^2/NDF: 71.7/78

- sign 35.921+/-804.982 χ^2/NDF: 29.9/39

asym_atl_dd_atr_dd_avg_dit_correction_rms vs Slug



Right In: 3514.746+/-0.939 χ^2/NDF: 375078.6/15

Left Out: 4146.558+/-0.710 χ^2/NDF:2077011.7/22

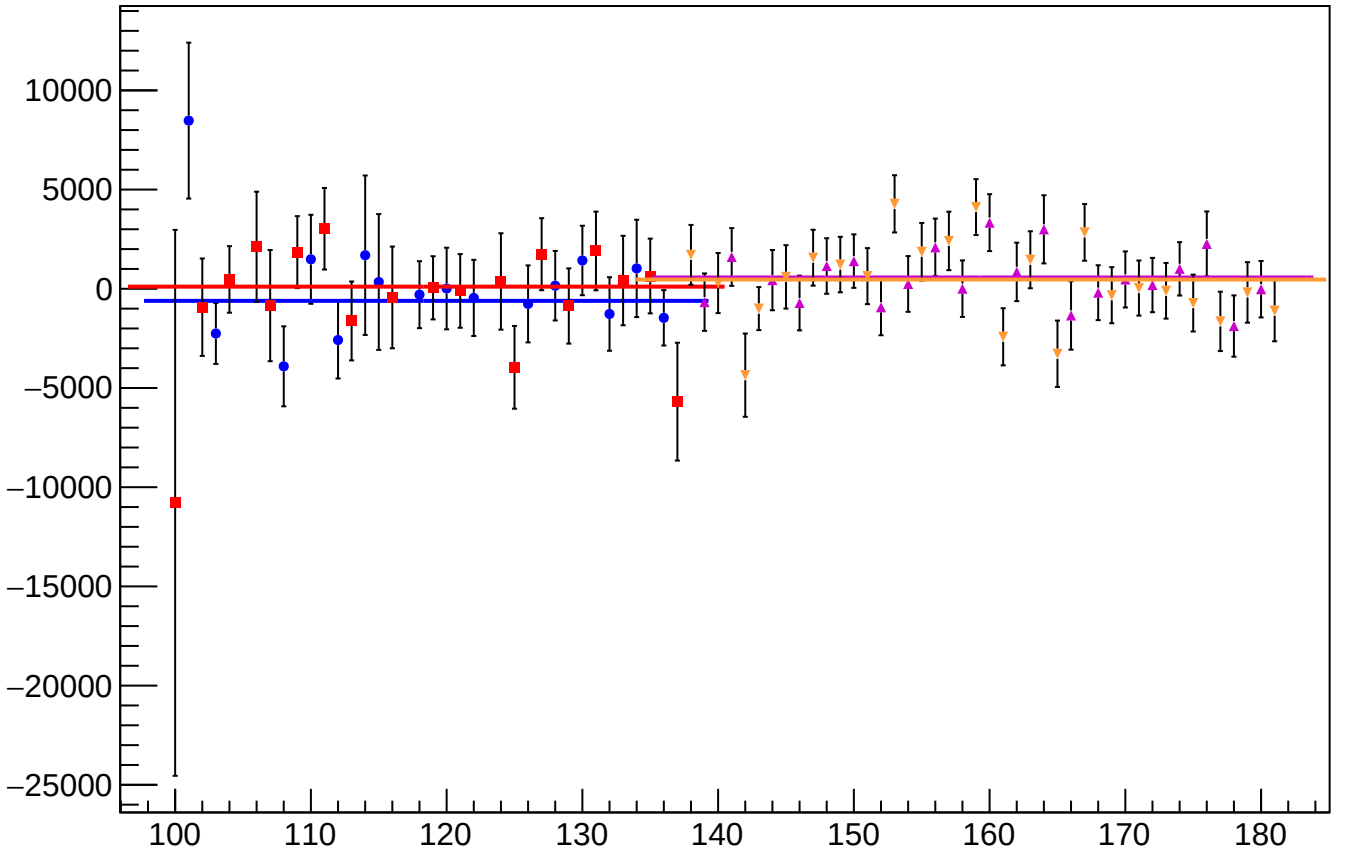
Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 4410.019+/-0.768 χ^2/NDF:1239942.6/20

\+ sign 3916.554+/-0.566 χ^2/NDF: 2740250.6/38

All: 3889.426+/-0.401 χ^2/NDF: 5890207.7/78

\- sign 3862.020+/-0.569 χ^2/NDF: 3145344.2/39



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 465.773+/-302.814 χ^2/NDF:41.8/22

Right Out: 108.619+/-485.553 χ^2/NDF: 14.9/18

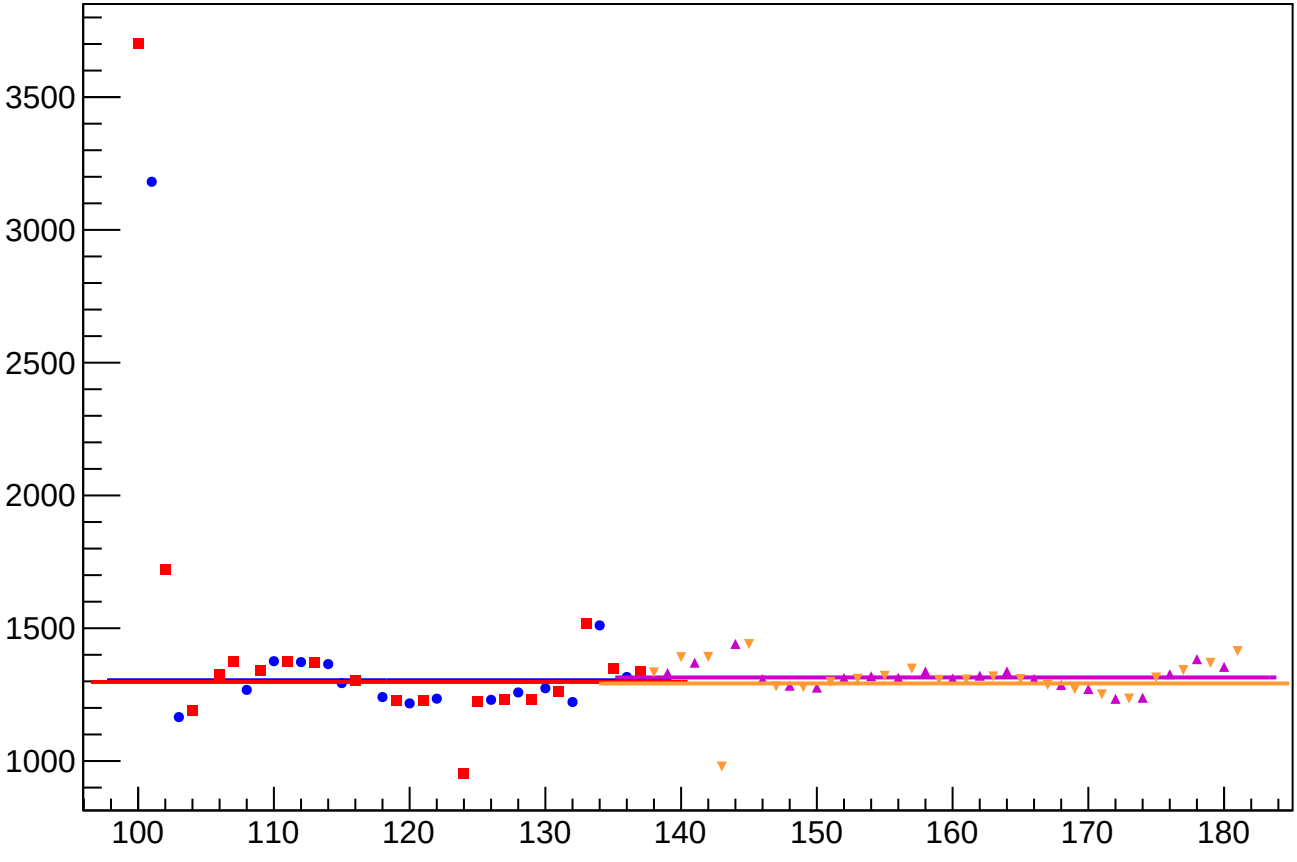
Left In: 568.639+/-316.768 χ^2/NDF:16.3/20

+ sign 172.703+/-258.196 χ^2/NDF: 59.4/38

All: 298.493+/-185.033 χ^2/NDF: 91.7/78

- sign 431.302+/-265.302 χ^2/NDF: 31.8/39

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: 1292.100+/-0.214 χ^2/NDF:229754.2/22

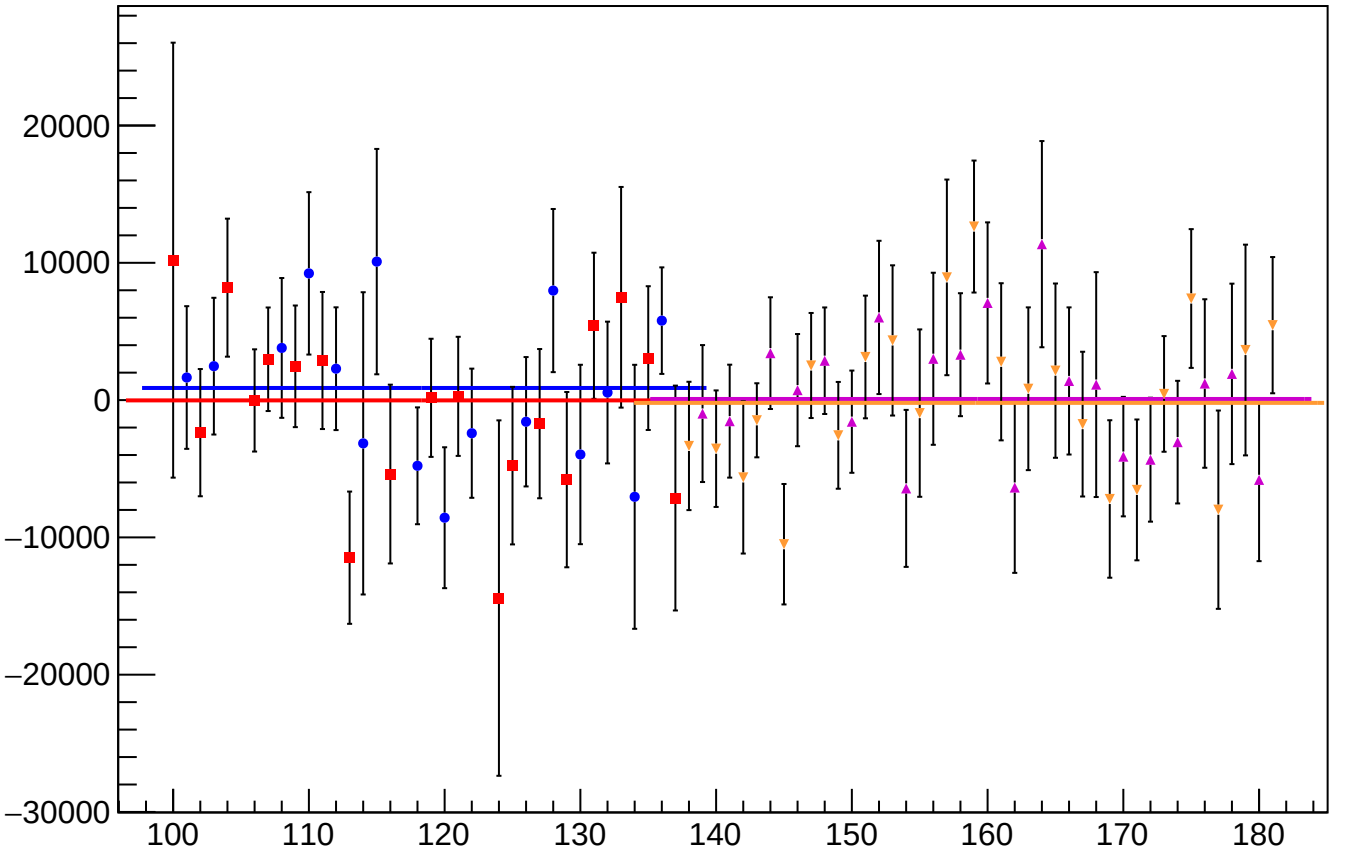
Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1314.720+/-0.224 χ^2/NDF:42302.6/20

+ sign 1295.377+/-0.183 χ^2/NDF: 741201.4/38

All: 1302.327+/-0.131 χ^2/NDF: 1001286.0/78

- sign 1309.662+/-0.188 χ^2/NDF: 257105.7/39



Right In: 884.047+/-1327.396 χ^2/NDF: 14.1/15

Left Out: -201.435+/-1004.293 χ^2/NDF:27.2/22

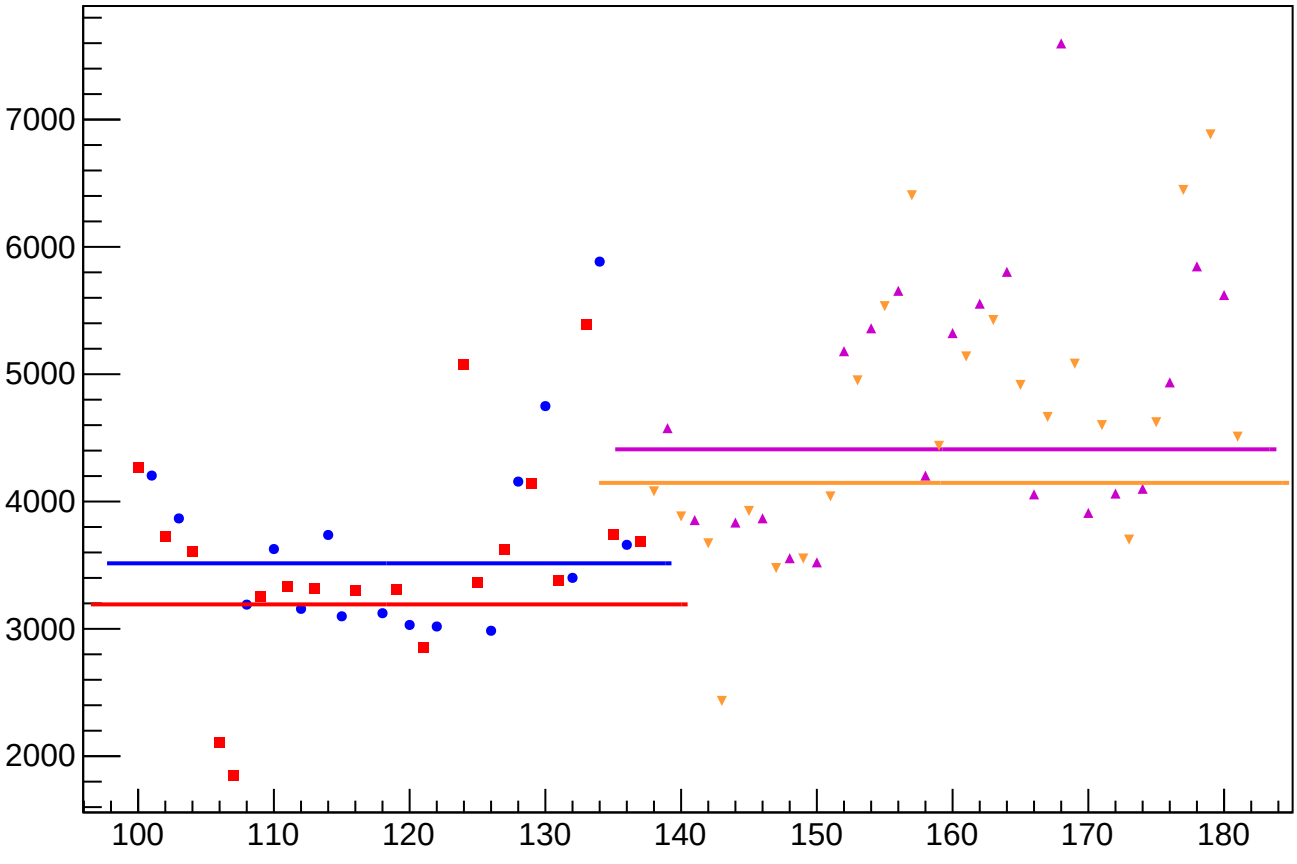
Right Out: -20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: 82.228+/-1085.424 χ^2/NDF:13.1/20

\+ sign 193.724+/-800.894 χ^2/NDF: 41.8/38

All: 115.225+/-567.757 χ^2/NDF: 71.7/78

\- sign 35.922+/-804.981 χ^2/NDF: 29.9/39



Right In: 3514.737+/-0.939 χ^2/NDF: 375082.8/15

Left Out: 4146.564+/-0.710 χ^2/NDF:2077014.6/22

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

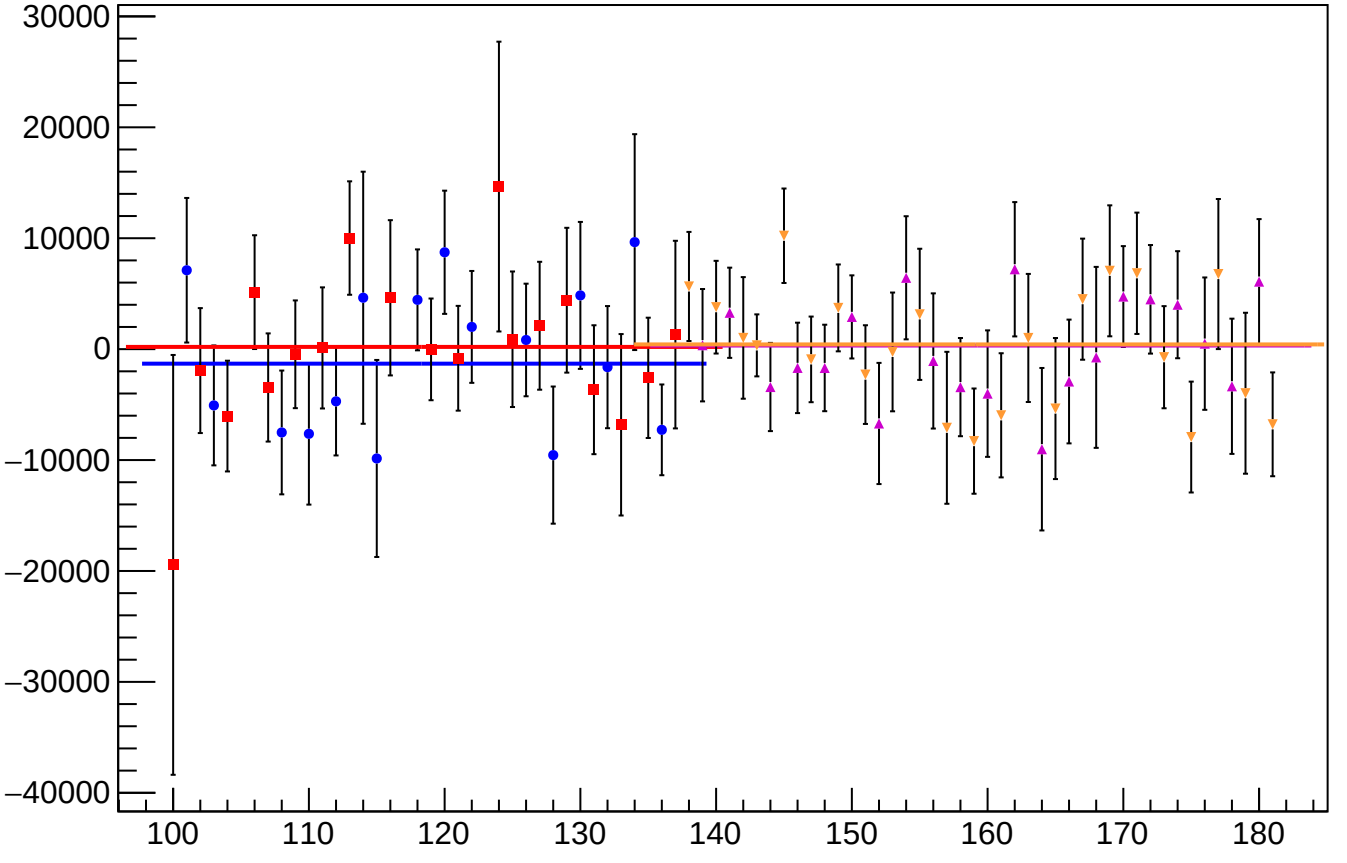
Left In: 4410.026+/-0.768 χ^2/NDF:1239946.7/20

+ sign 3916.554+/-0.566 χ^2/NDF: 2740272.3/38

All: 3889.424+/-0.401 χ^2/NDF: 5890264.7/78

- sign 3862.017+/-0.569 χ^2/NDF: 3145379.2/39

asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 425.460+/-1008.552 χ^2/NDF:24.9/22

Right Out: 201.593+/-1336.062 χ^2/NDF: 11.6/18

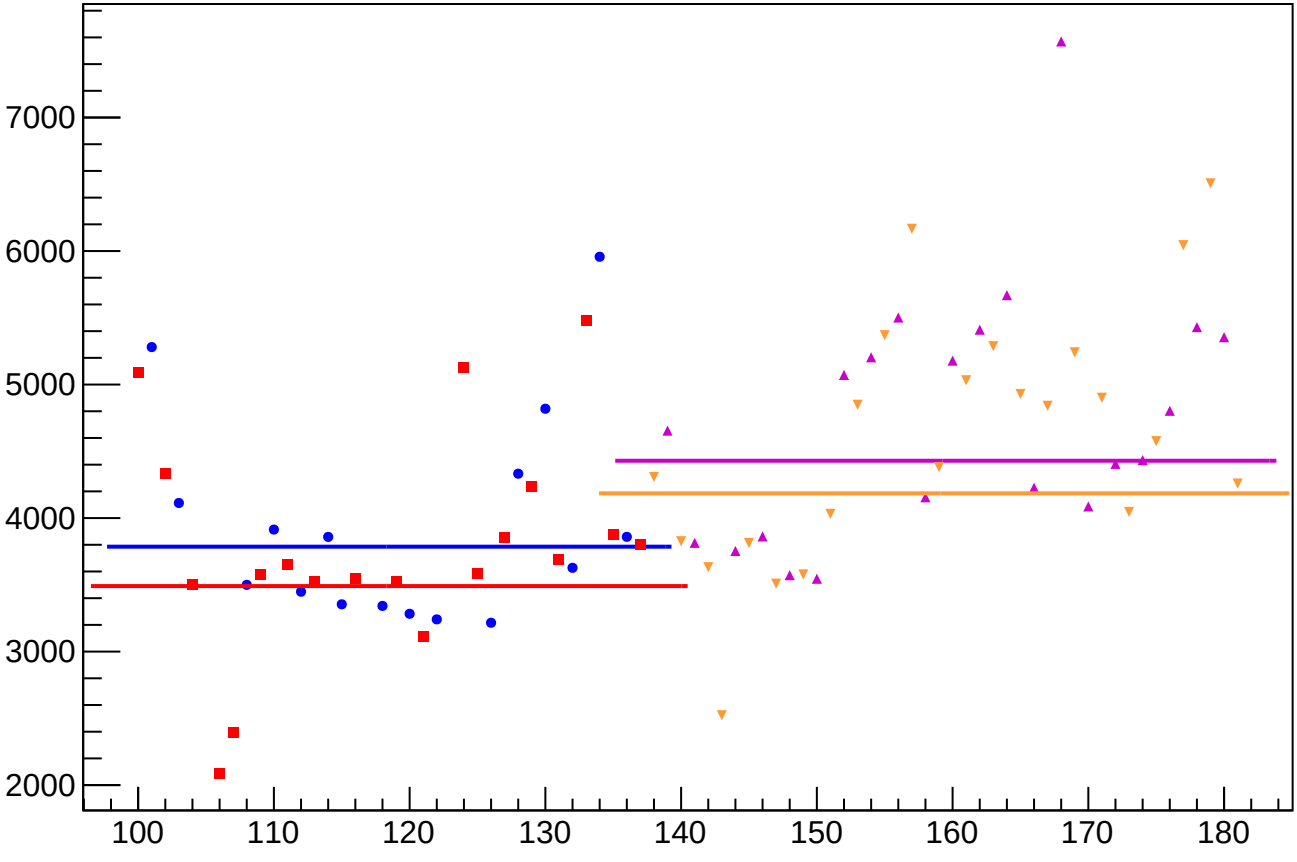
Left In: 324.975+/-1086.468 χ^2/NDF:13.5/20

+ sign -149.945+/-824.499 χ^2/NDF: 43.5/38

All: 58.250+/-589.420 χ^2/NDF: 68.8/78

- sign 275.862+/-842.940 χ^2/NDF: 25.2/39

asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 4185.197+/-0.713 χ^2/NDF:1796091.9/22

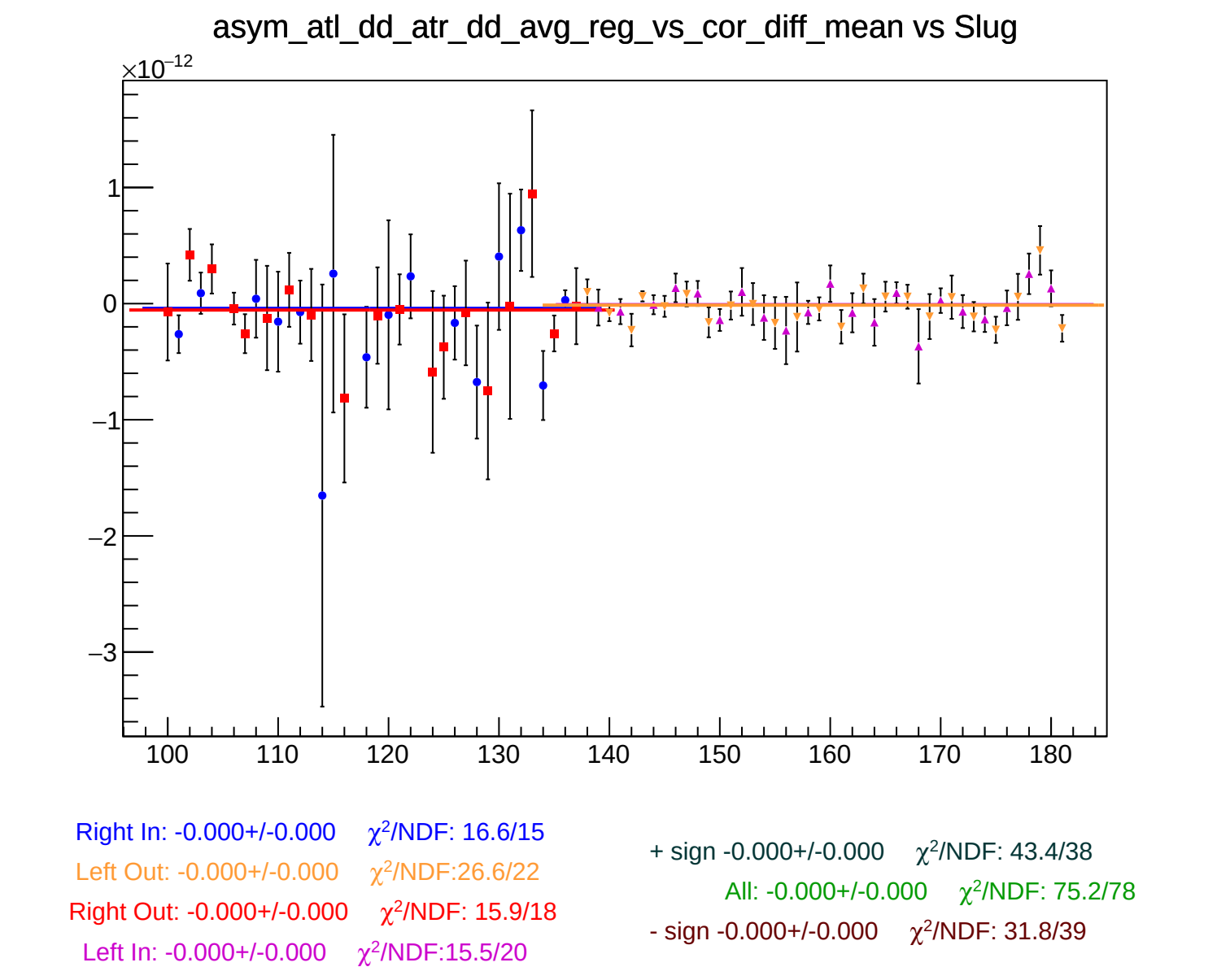
Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

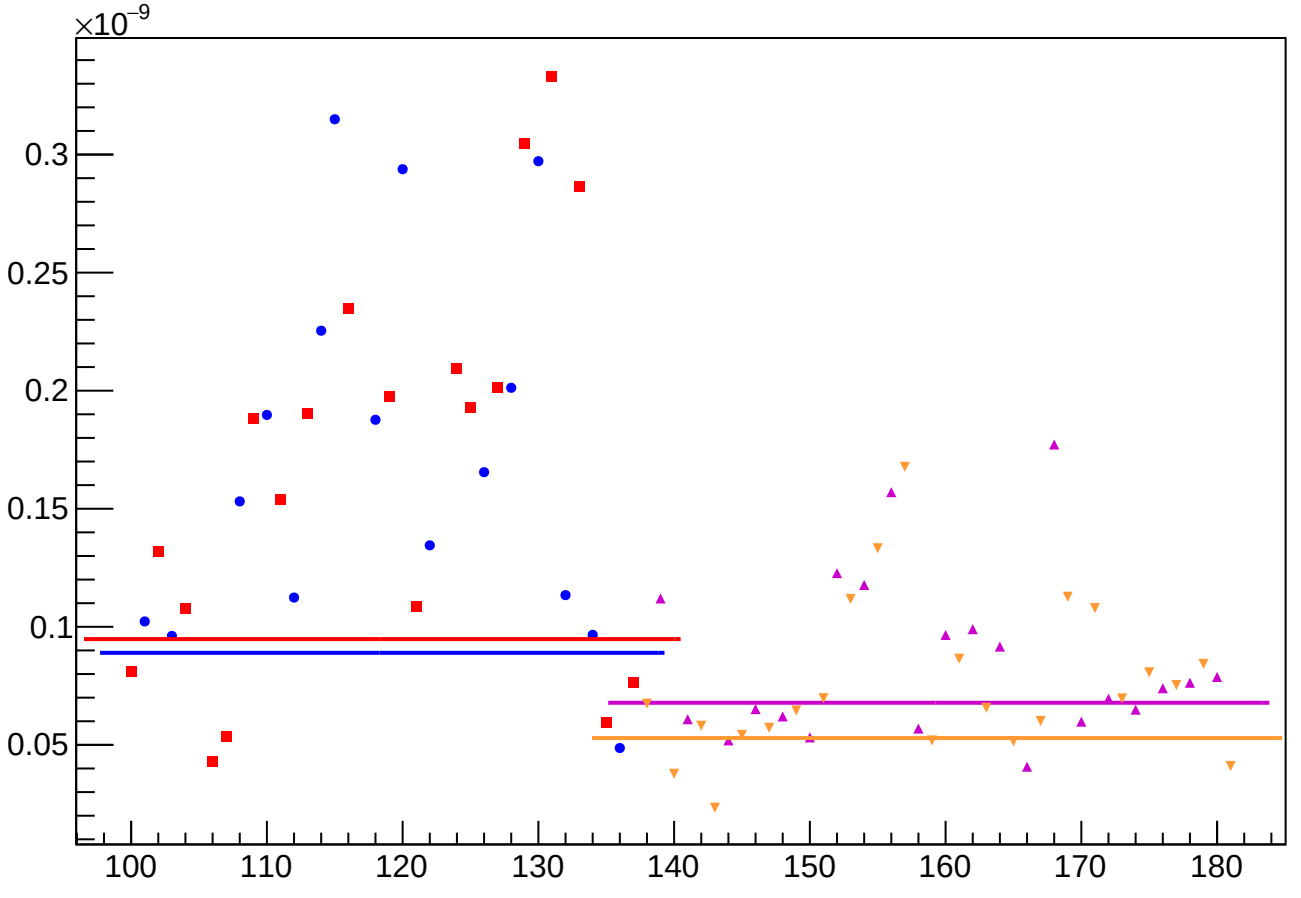
Left In: 4429.354+/-0.768 χ^2/NDF:1060790.8/20

+ sign 4052.714+/-0.583 χ^2/NDF: 2283131.0/38

All: 4051.131+/-0.416 χ^2/NDF: 4534829.0/78

- sign 4049.495+/-0.593 χ^2/NDF: 2251683.0/39


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:26.6/22
Right Out: -0.000+/-0.000 χ²/NDF: 15.9/18
Left In: -0.000+/-0.000 χ²/NDF:15.5/20
+ sign -0.000+/-0.000 χ²/NDF: 43.4/38
All: -0.000+/-0.000 χ²/NDF: 75.2/78
- sign -0.000+/-0.000 χ²/NDF: 31.8/39



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:2614098.3/22

Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

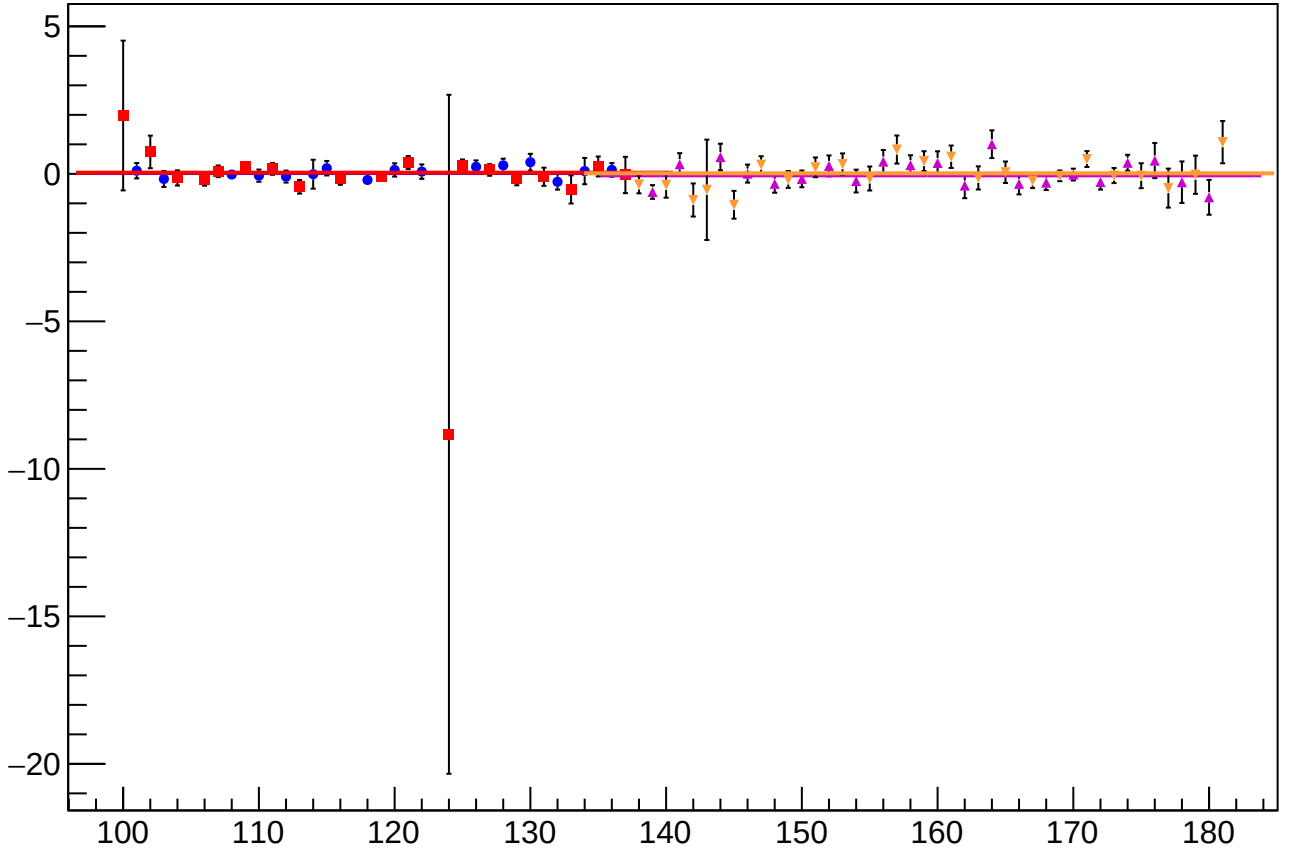
Left In: 0.000+/-0.000 χ^2/NDF:1395768.7/20

+ sign 0.000+/-0.000 χ^2/NDF: 4726755.4/38

All: 0.000+/-0.000 χ^2/NDF: 8541239.8/78

- sign 0.000+/-0.000 χ^2/NDF: 3428728.3/39

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: 0.018+/-0.072 χ^2/NDF:27.0/22

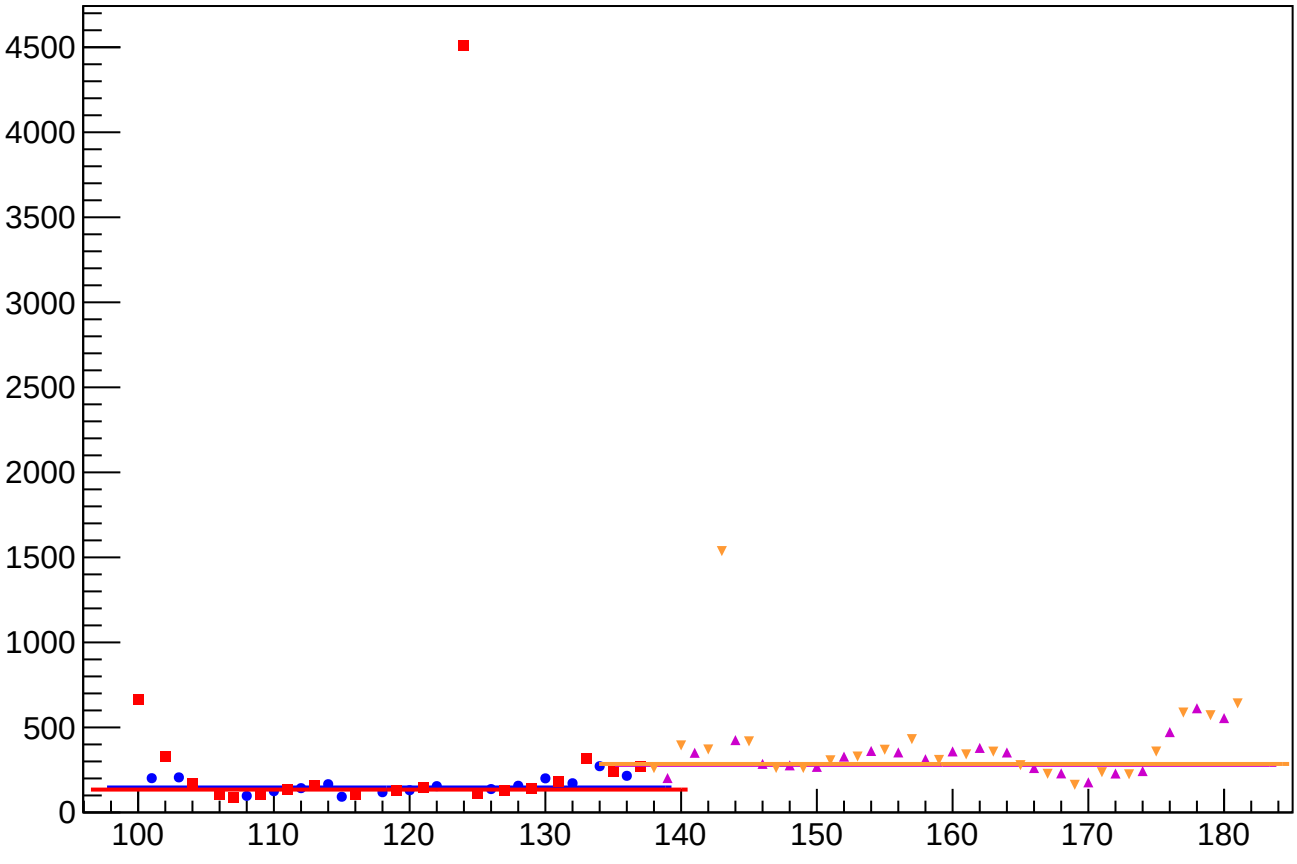
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

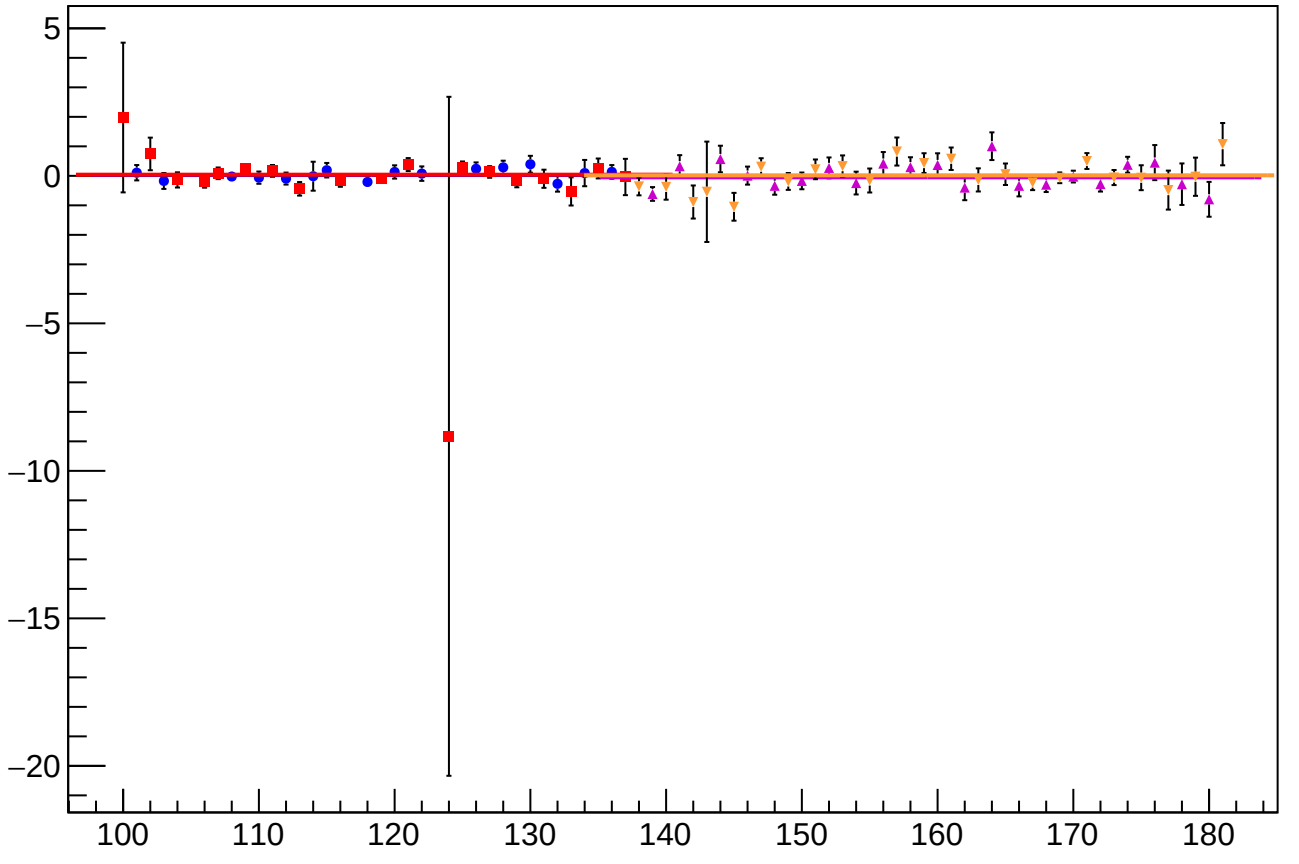
Left In: -0.051+/-0.071 χ^2/NDF:27.6/20

+ sign 0.024+/-0.045 χ^2/NDF: 36.5/38

All: 0.015+/-0.031 χ^2/NDF: 85.1/78

- sign 0.006+/-0.043 χ^2/NDF: 48.6/39


asym_atl_dd_atr_dd_avg_dit_vs_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: 998704.7/15
Left Out: 285.190+/-0.051 χ²/NDF:4442266.0/22
Right Out: 134.505+/-0.039 χ²/NDF: 1606383.2/18
Left In: 279.868+/-0.050 χ²/NDF:2781571.7/20
+ sign 200.822+/-0.032 χ²/NDF: 9928333.1/38
All: 194.399+/-0.022 χ²/NDF: 19619100.6/78
- sign 188.428+/-0.031 χ²/NDF: 9612358.2/39



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.018+/-0.072 χ^2/NDF:27.0/22

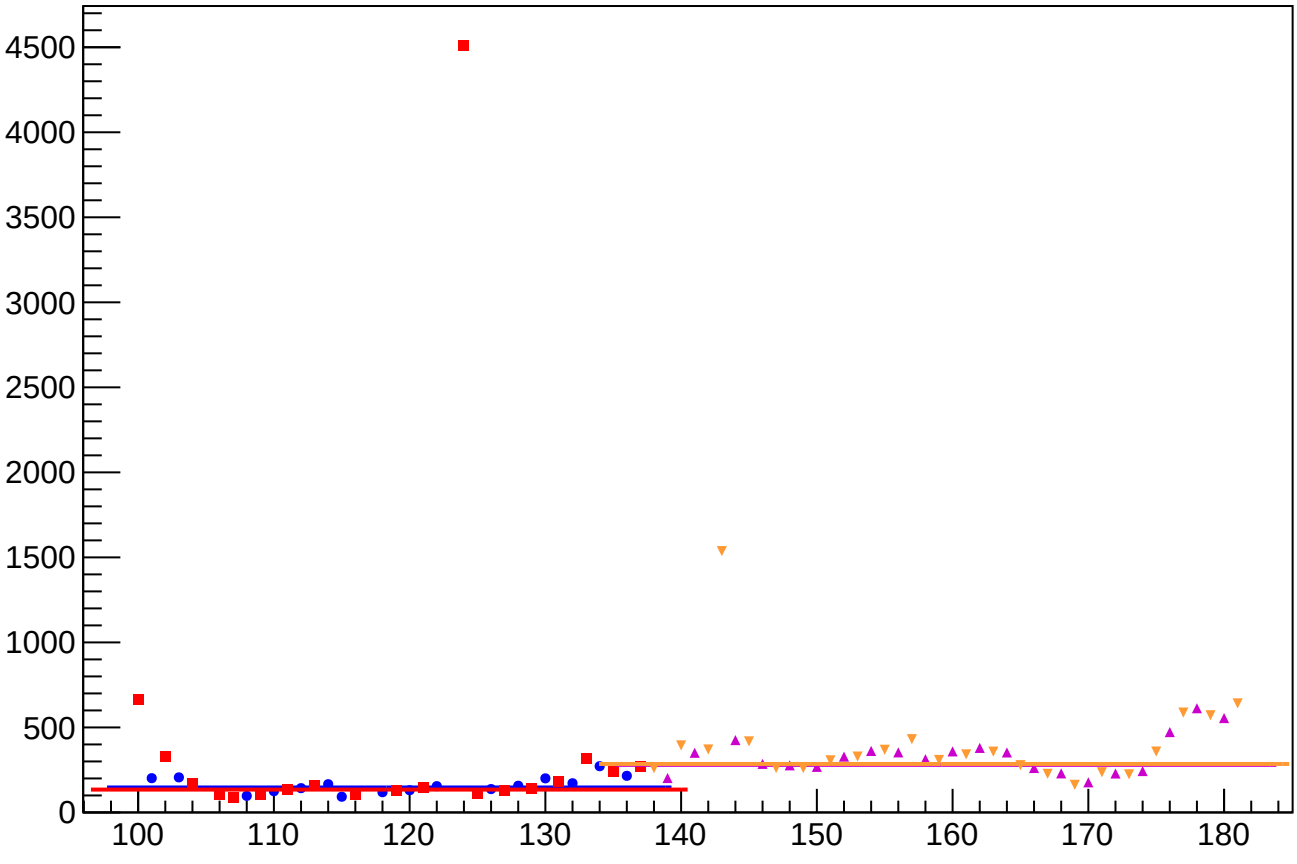
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.051+/-0.071 χ^2/NDF:27.6/20

+ sign 0.024+/-0.045 χ^2/NDF: 36.5/38

All: 0.015+/-0.031 χ^2/NDF: 85.1/78

- sign 0.006+/-0.043 χ^2/NDF: 48.6/39



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 285.190+/-0.051 χ^2/NDF:4442266.0/22

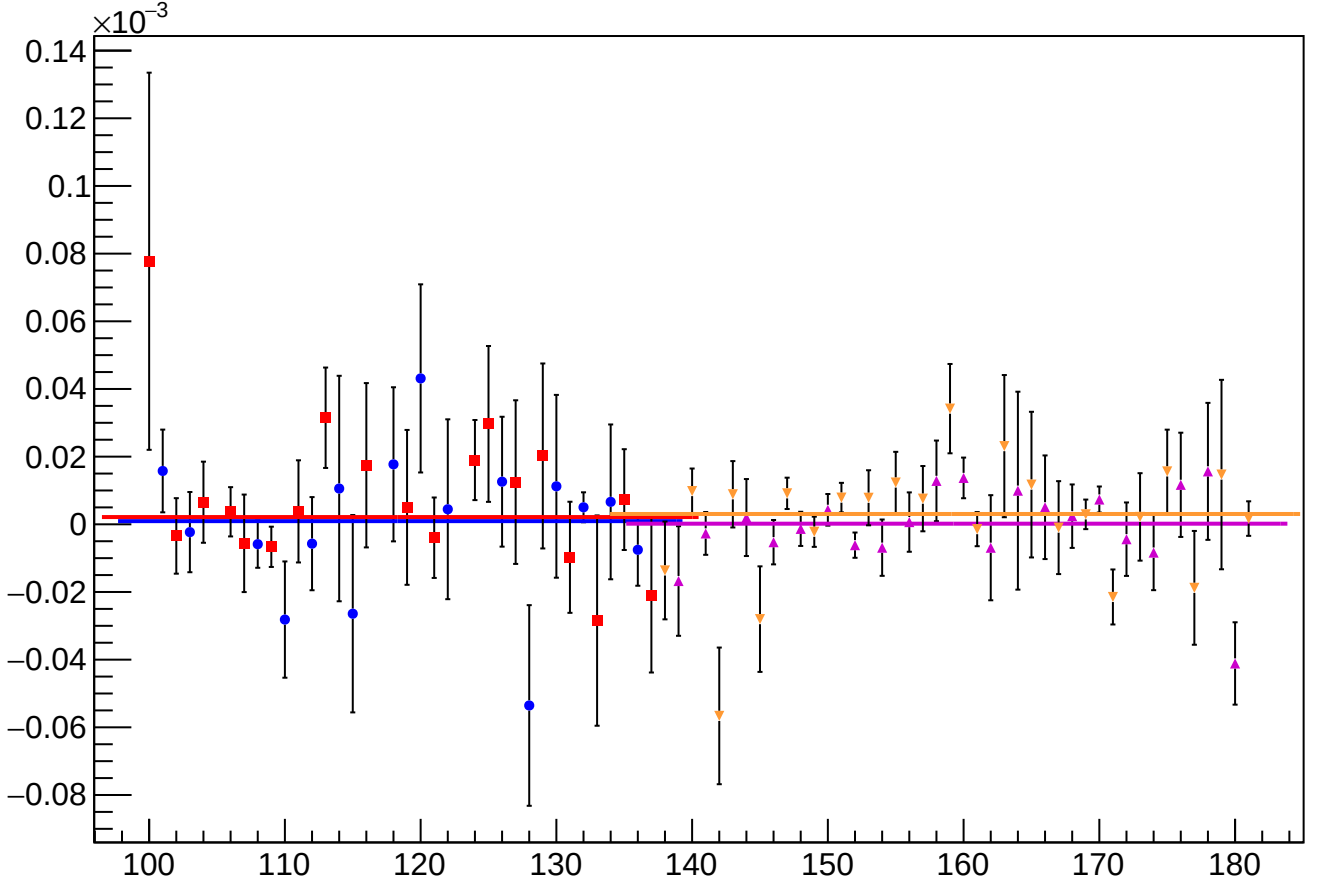
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 279.868+/-0.050 χ^2/NDF:2781571.7/20

+ sign 200.822+/-0.032 χ^2/NDF: 9928333.1/38

All: 194.399+/-0.022 χ^2/NDF: 19619100.6/78

- sign 188.428+/-0.031 χ^2/NDF: 9612358.2/39



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:41.0/22

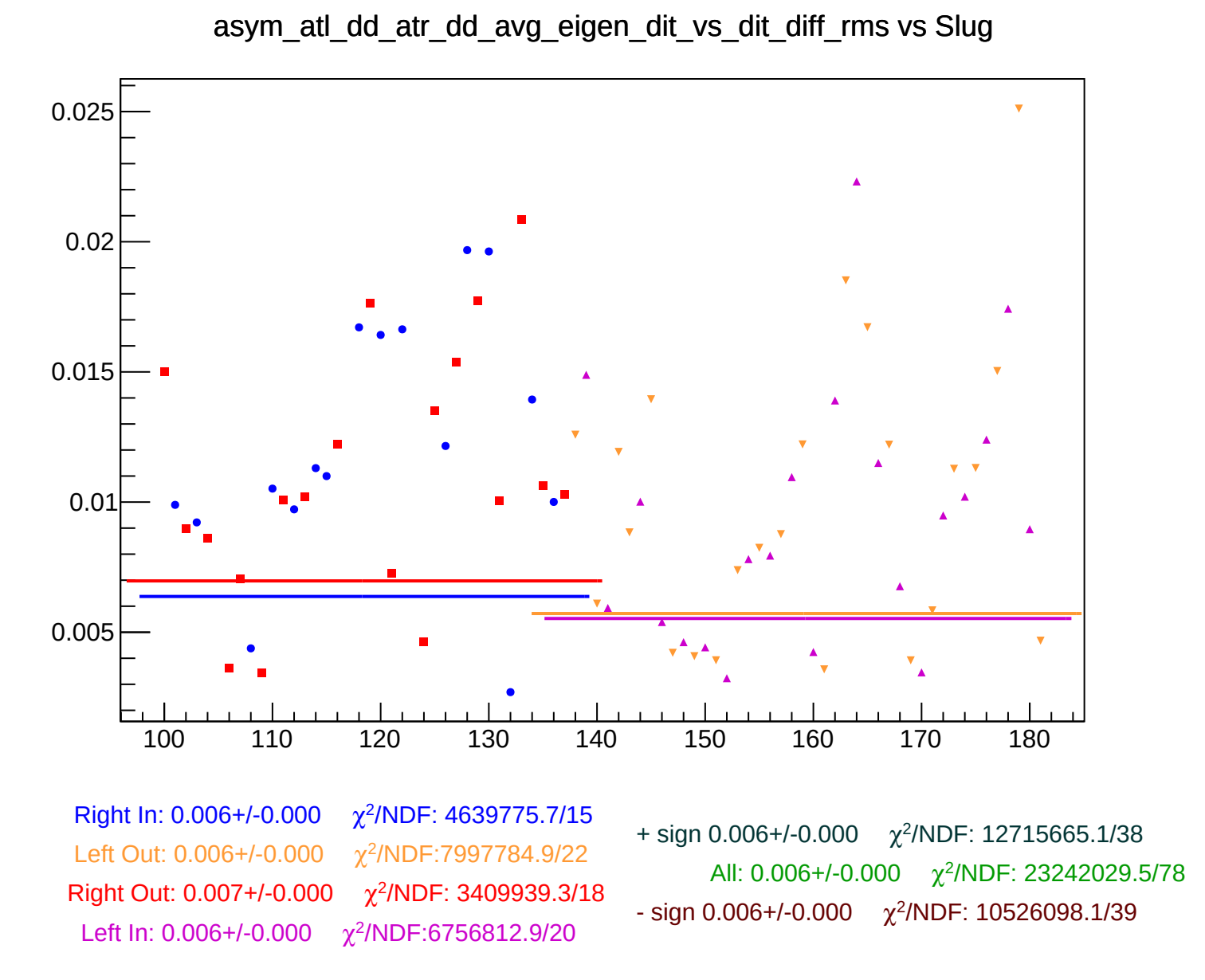
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: 0.000+/-0.000 χ^2/NDF:30.1/20

+ sign 0.000+/-0.000 χ^2/NDF: 56.2/38

All: 0.000+/-0.000 χ^2/NDF: 103.7/78

- sign 0.000+/-0.000 χ^2/NDF: 46.4/39


asym_atl_dd_atr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.025
0.02
0.015
0.01
0.005
100
110
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140
150
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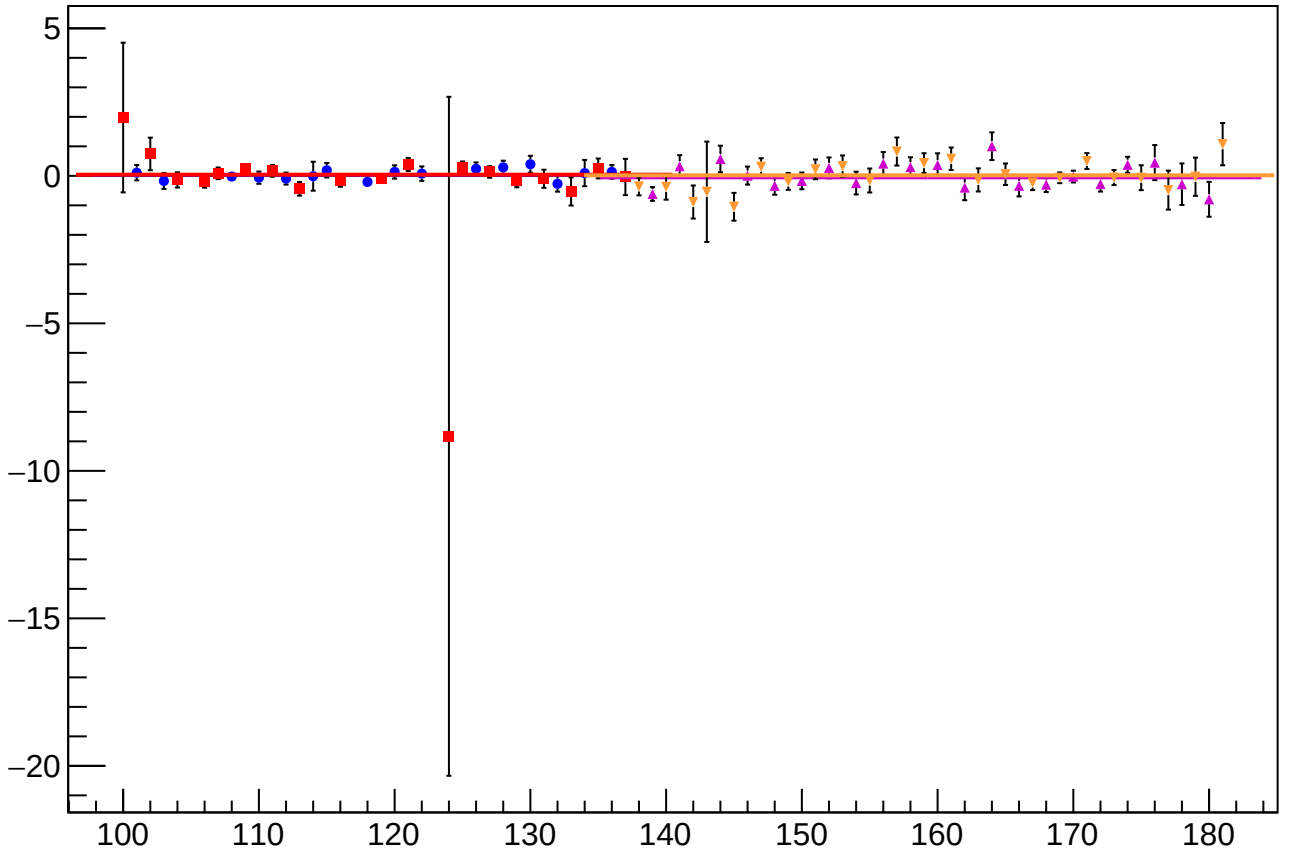
170
180
Right In: 0.006+/-0.000 χ²/NDF: 4639775.7/15
Left Out: 0.006+/-0.000 χ²/NDF:7997784.9/22
Right Out: 0.007+/-0.000 χ²/NDF: 3409939.3/18
Left In: 0.006+/-0.000 χ²/NDF:6756812.9/20
+ sign 0.006+/-0.000 χ²/NDF: 12715665.1/38
All: 0.006+/-0.000 χ²/NDF: 23242029.5/78
- sign 0.006+/-0.000 χ²/NDF: 10526098.1/39



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.018+/-0.072 χ^2/NDF:27.0/22

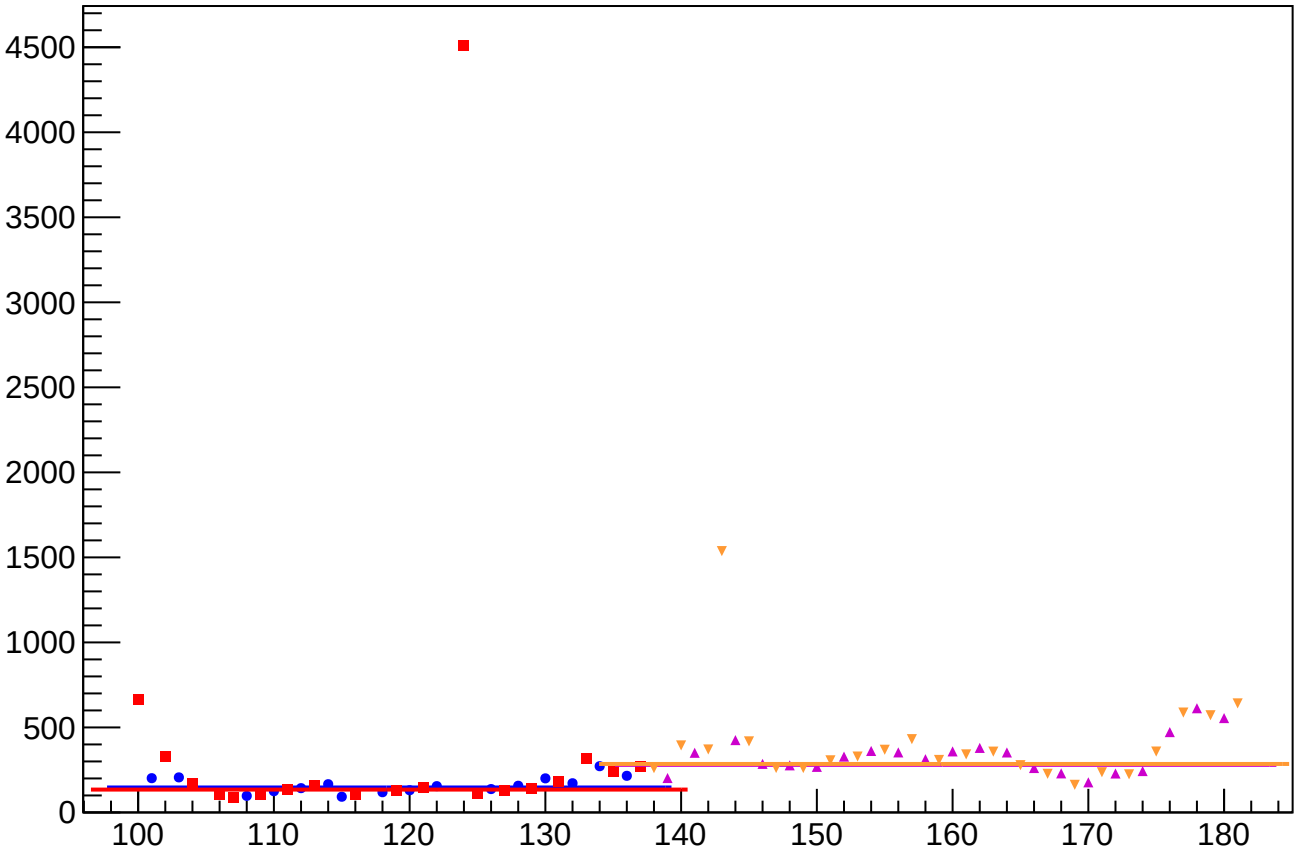
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.051+/-0.071 χ^2/NDF:27.6/20

+ sign 0.024+/-0.045 χ^2/NDF: 36.5/38

All: 0.015+/-0.031 χ^2/NDF: 85.2/78

- sign 0.006+/-0.043 χ^2/NDF: 48.6/39



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 285.190+/-0.051 χ^2/NDF:4442450.0/22

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

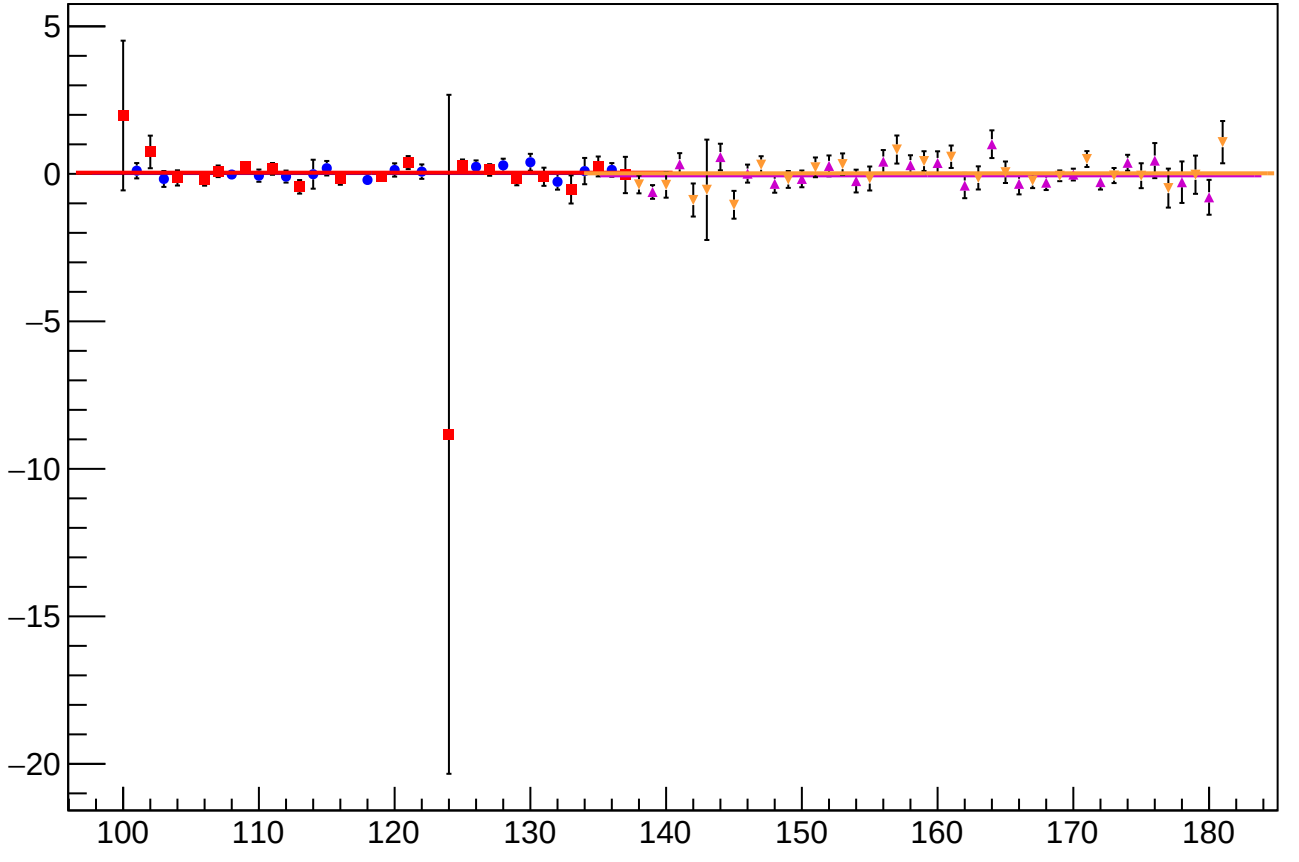
Left In: 279.870+/-0.050 χ^2/NDF:2781676.9/20

+ sign 200.821+/-0.032 χ^2/NDF: 9928457.6/38

All: 194.400+/-0.022 χ^2/NDF: 19619178.9/78

- sign 188.430+/-0.031 χ^2/NDF: 9612333.6/39

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: 0.018+/-0.072 χ^2/NDF:27.0/22

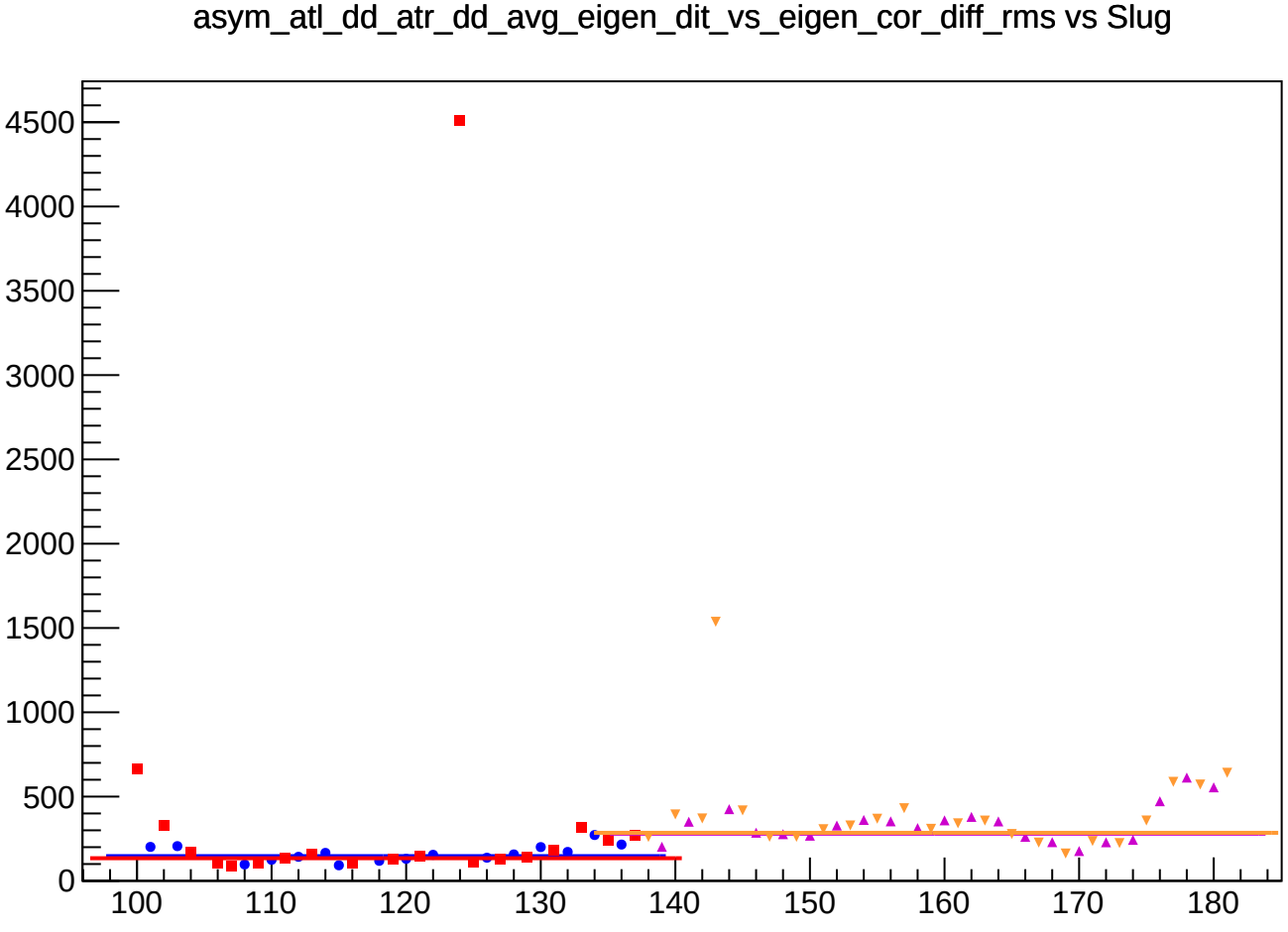
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.051+/-0.071 χ^2/NDF:27.6/20

+ sign 0.024+/-0.045 χ^2/NDF: 36.5/38

All: 0.015+/-0.031 χ^2/NDF: 85.2/78

- sign 0.006+/-0.043 χ^2/NDF: 48.6/39


asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
4500
4000
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100
110
120
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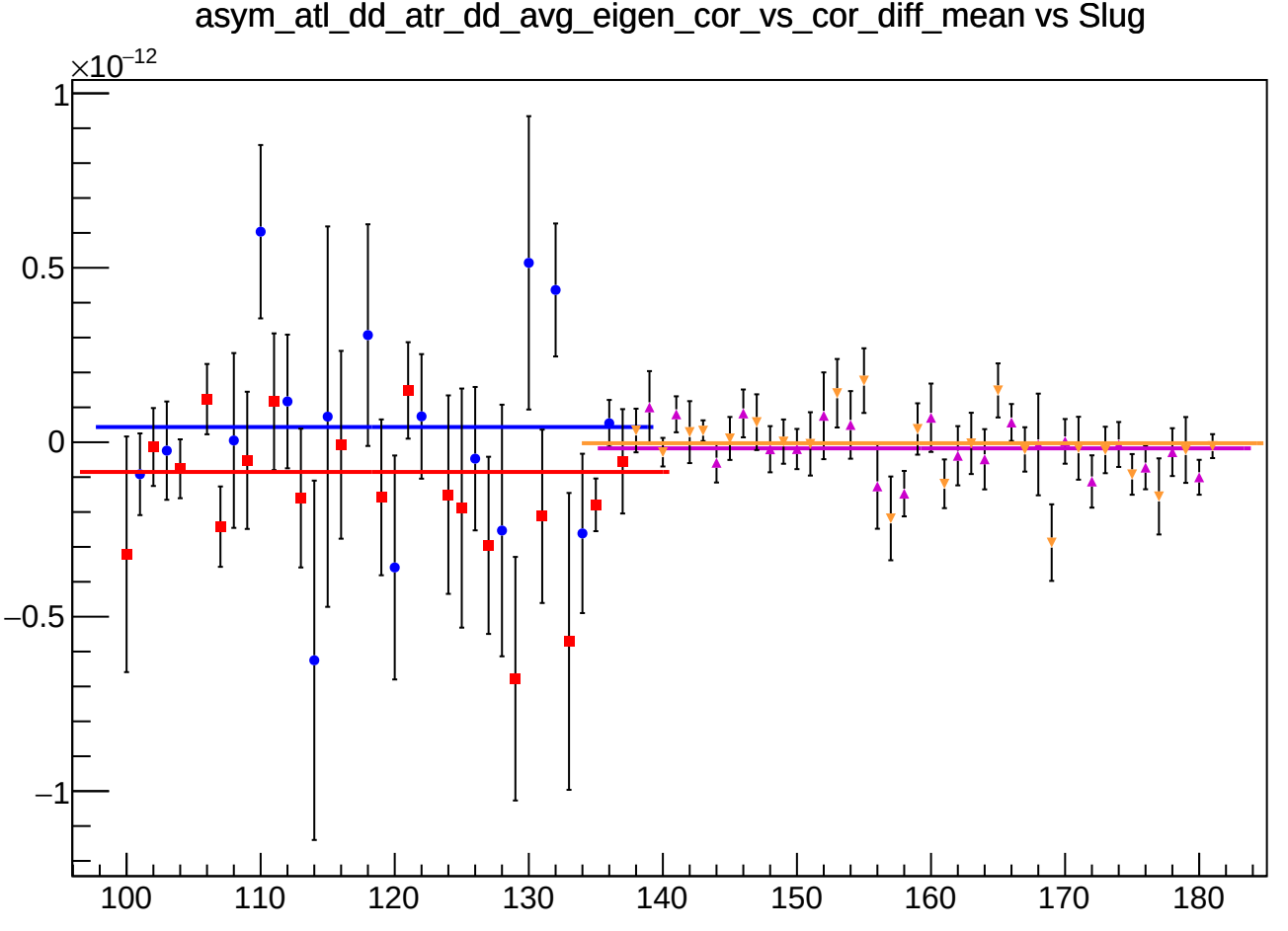
140
150
160
170
180
Right In: 146.829+/-0.041 χ²/NDF: 998646.8/15
Left Out: 285.190+/-0.051 χ²/NDF:4442450.0/22
Right Out: 134.506+/-0.039 χ²/NDF: 1606310.4/18
Left In: 279.870+/-0.050 χ²/NDF:2781676.9/20
+ sign 200.821+/-0.032 χ²/NDF: 9928457.6/38
All: 194.400+/-0.022 χ²/NDF: 19619178.9/78
- sign 188.430+/-0.031 χ²/NDF: 9612333.6/39



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:30.3/22

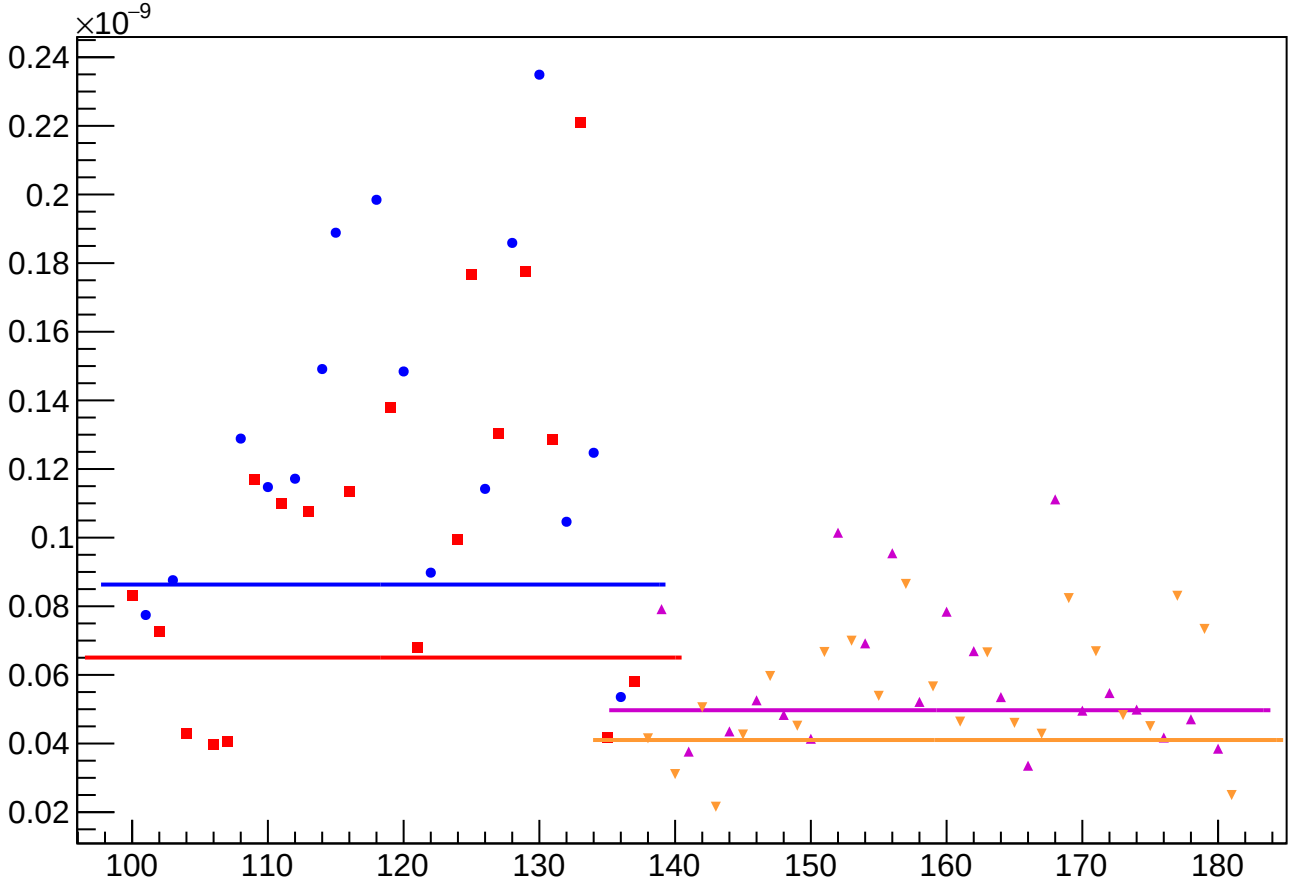
Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:21.6/20

+ sign 0.000+/-0.000 χ^2/NDF: 50.3/38

All: -0.000+/-0.000 χ^2/NDF: 96.0/78

- sign -0.000+/-0.000 χ^2/NDF: 43.1/39



Right In: 0.000+/-0.000 χ^2/NDF: 1565662.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:3512442.5/22

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

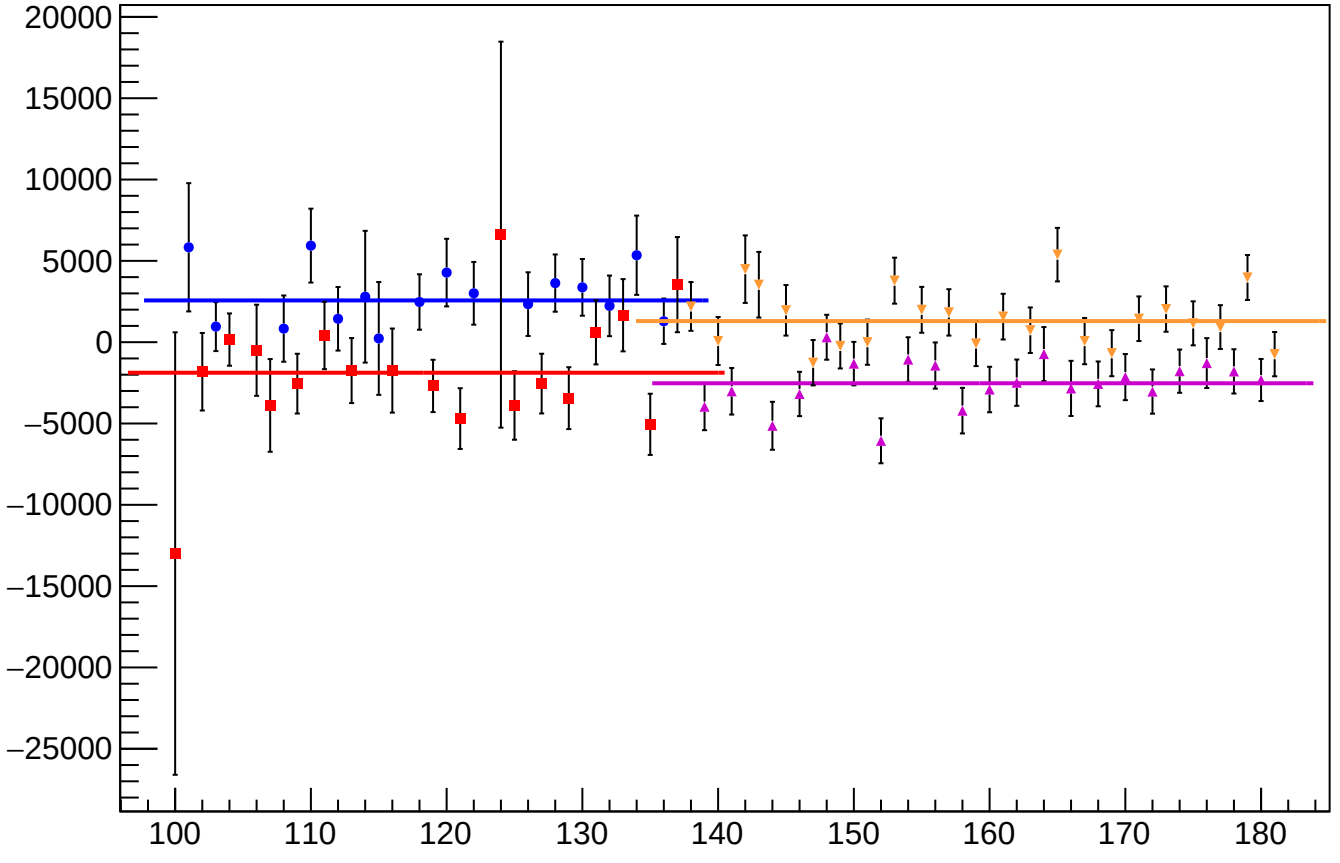
Left In: 0.000+/-0.000 χ^2/NDF:1999591.8/20

+ sign 0.000+/-0.000 χ^2/NDF: 7135096.4/38

All: 0.000+/-0.000 χ^2/NDF: 11941020.3/78

- sign 0.000+/-0.000 χ^2/NDF: 4494025.7/39

reg_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2567.460+/-495.364 χ^2/NDF: 9.0/15

Left Out: 1298.484+/-302.235 χ^2/NDF:30.2/22

Right Out: -1878.030+/-494.719 χ^2/NDF: 19.5/18

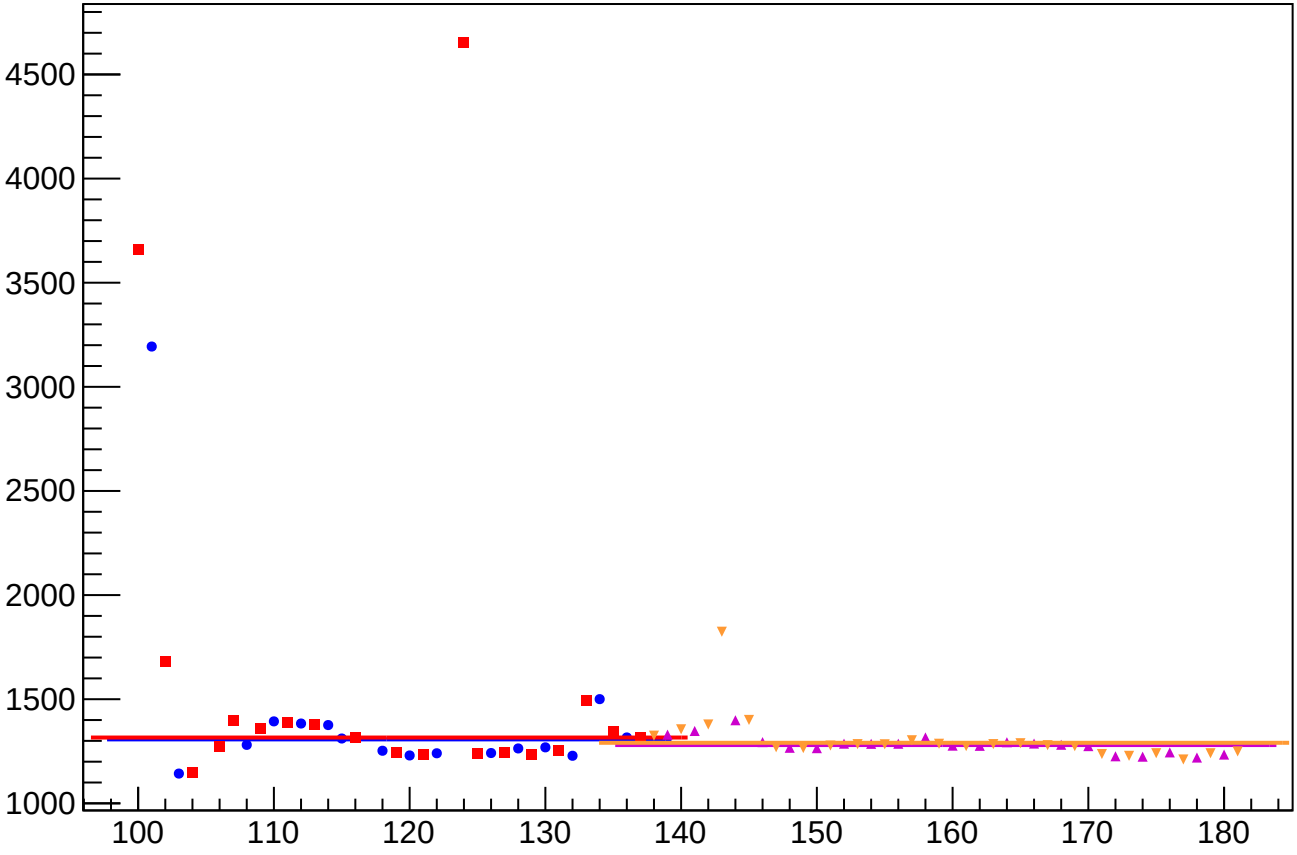
Left In: -2525.633+/-308.294 χ^2/NDF:22.0/20

+ sign 1642.721+/-258.004 χ^2/NDF: 44.0/38

All: -322.926+/-183.711 χ^2/NDF: 204.5/78

- sign -2344.488+/-261.648 χ^2/NDF: 42.8/39

reg_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1307.068+/-0.350 χ^2/NDF: 516249.0/15

Left Out: 1290.753+/-0.214 χ^2/NDF:181696.5/22

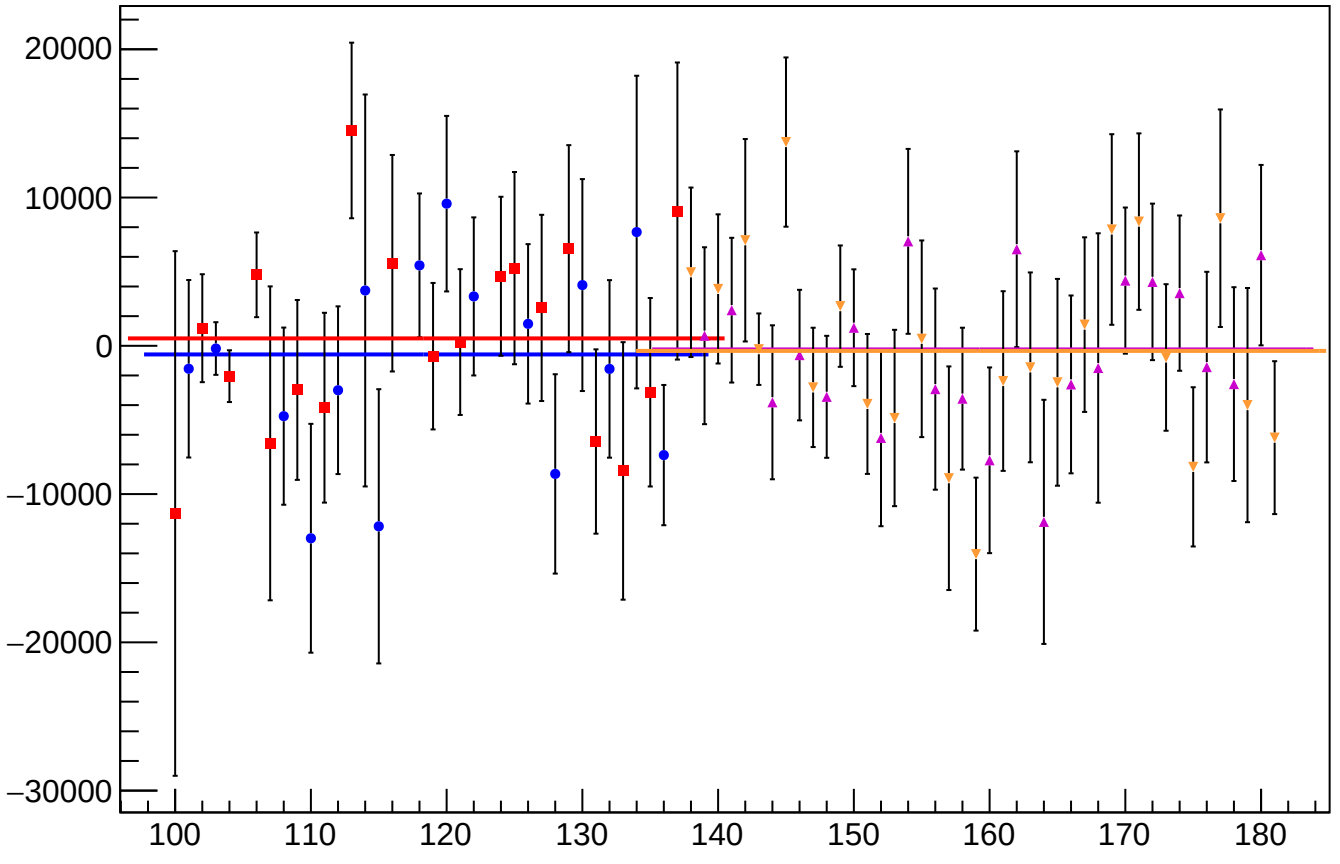
Right Out: 1315.999+/-0.349 χ^2/NDF: 326420.0/18

Left In: 1279.882+/-0.218 χ^2/NDF:36374.1/20

+ sign 1295.179+/-0.182 χ^2/NDF: 699526.4/38

All: 1292.636+/-0.130 χ^2/NDF: 1070422.4/78

- sign 1290.024+/-0.185 χ^2/NDF: 370501.9/39



Right In: -581.790+/-1192.862 χ^2/NDF: 14.7/15

Left Out: -343.590+/-1073.195 χ^2/NDF:28.5/22

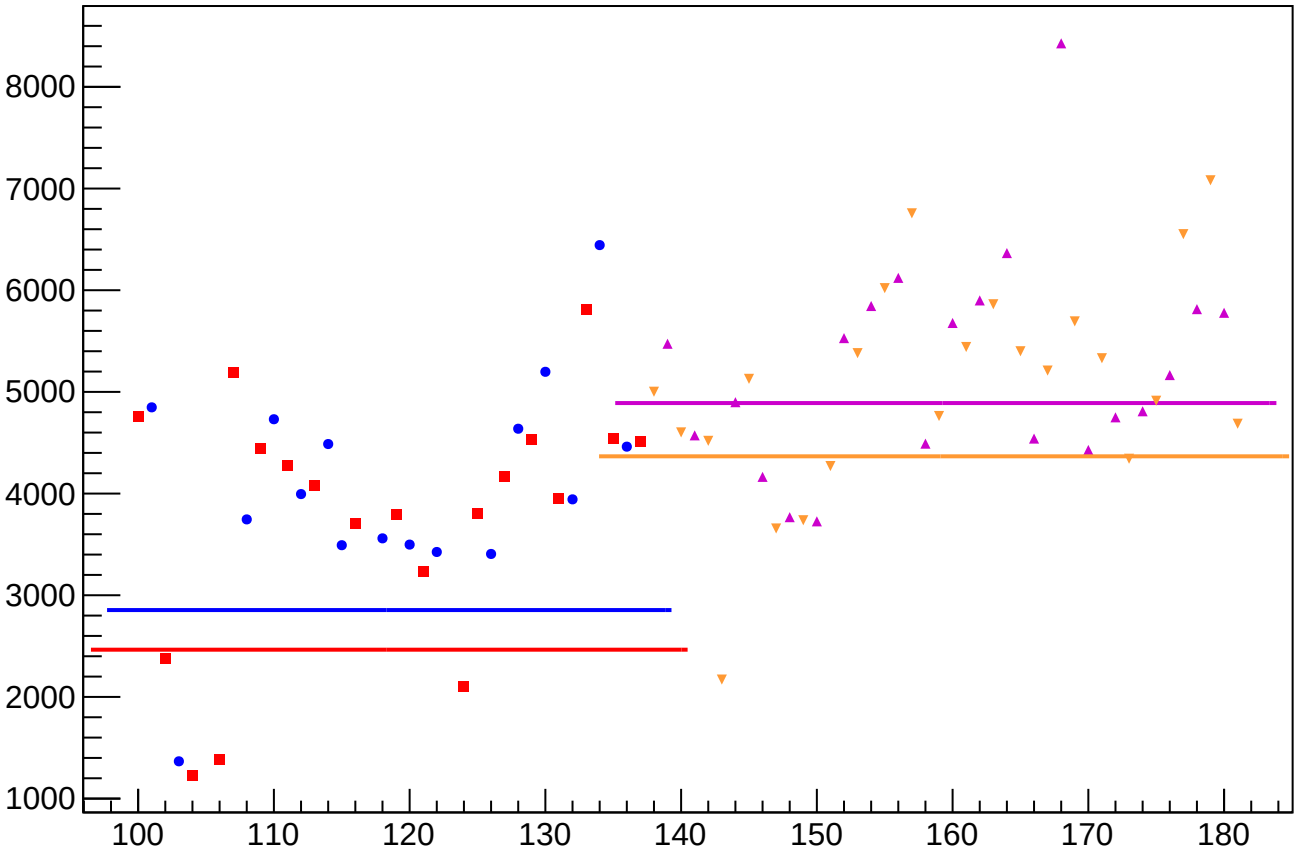
Right Out: 500.098+/-1055.434 χ^2/NDF: 17.7/18

Left In: -244.121+/-1201.349 χ^2/NDF:12.6/20

+ sign -450.146+/-797.826 χ^2/NDF: 43.3/38

All: -135.182+/-562.399 χ^2/NDF: 74.1/78

- sign 175.907+/-792.902 χ^2/NDF: 30.5/39



Right In: 2854.300+/-0.843 χ^2/NDF: 2904822.2/15

Left Out: 4366.382+/-0.759 χ^2/NDF:3067646.3/22

Right Out: 2464.593+/-0.746 χ^2/NDF: 3355947.0/18

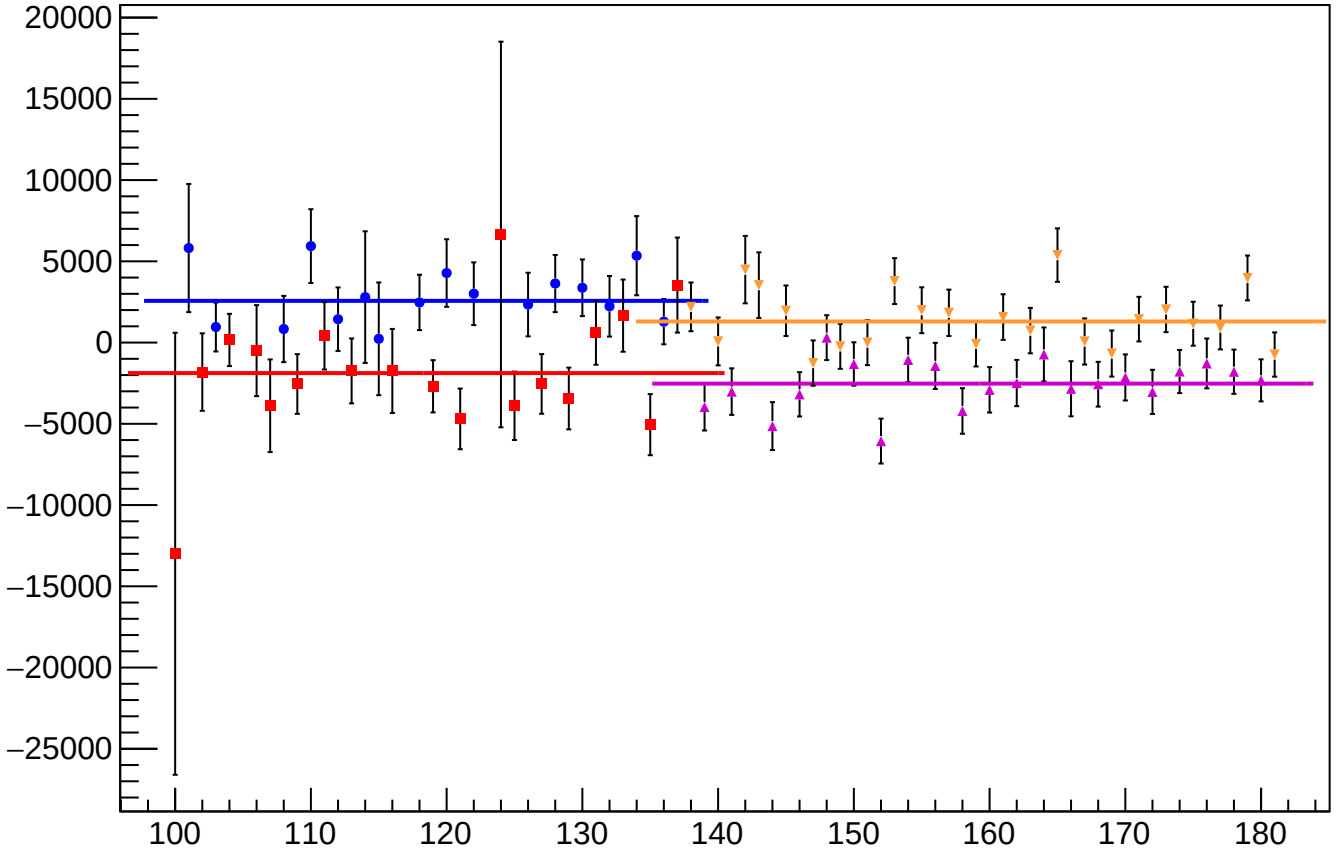
Left In: 4890.245+/-0.849 χ^2/NDF:1113233.9/20

+ sign 3689.969+/-0.564 χ^2/NDF: 7748537.8/38

All: 3605.082+/-0.398 χ^2/NDF: 16864501.7/7

- sign 3521.238+/-0.561 χ^2/NDF: 9070959.5/39

cor_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2567.180+/-495.364 χ^2/NDF: 9.0/15

Left Out: 1298.417+/-302.235 χ^2/NDF:30.2/22

Right Out: -1877.774+/-494.719 χ^2/NDF: 19.5/18

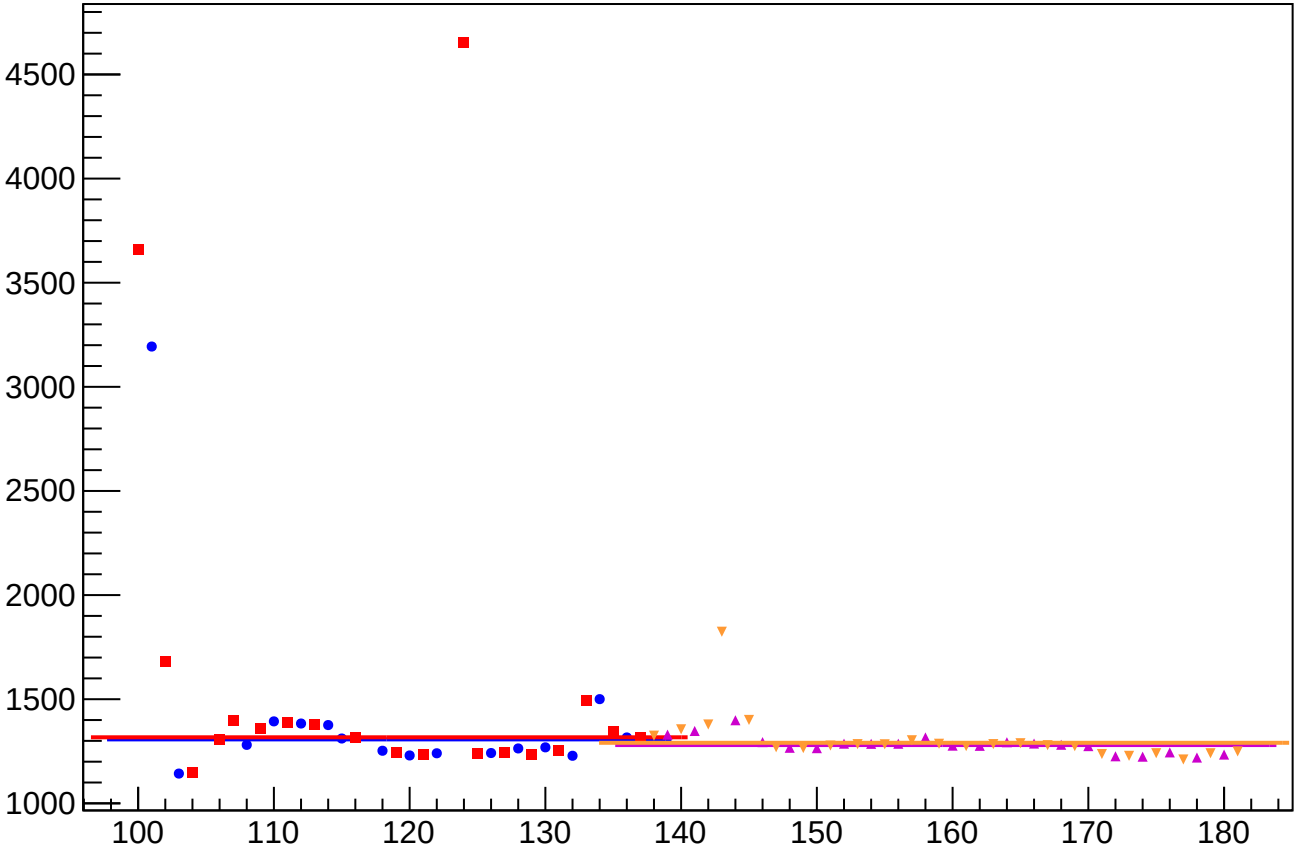
Left In: -2525.633+/-308.294 χ^2/NDF:22.0/20

+ sign 1642.596+/-258.004 χ^2/NDF: 44.0/38

All: -322.954+/-183.711 χ^2/NDF: 204.5/78

- sign -2344.416+/-261.648 χ^2/NDF: 42.8/39

cor_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1307.068+/-0.350 χ^2/NDF: 516250.6/15

Left Out: 1290.753+/-0.214 χ^2/NDF:181696.5/22

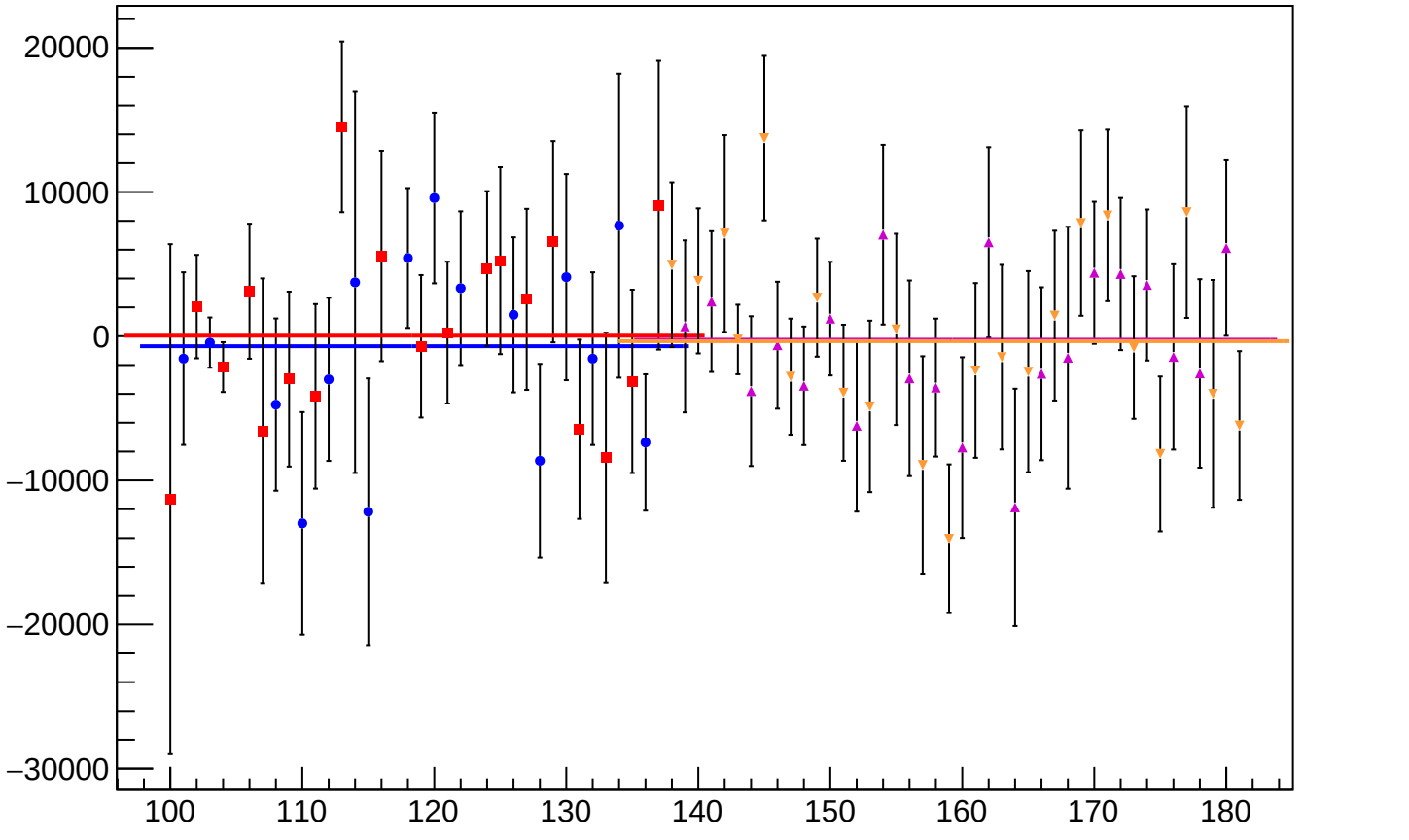
Right Out: 1317.128+/-0.349 χ^2/NDF: 325926.8/18

Left In: 1279.882+/-0.218 χ^2/NDF:36374.1/20

+ sign 1295.179+/-0.182 χ^2/NDF: 699527.9/38

All: 1292.787+/-0.130 χ^2/NDF: 1070365.4/78

- sign 1290.329+/-0.185 χ^2/NDF: 370488.8/39



Right In: -695.249+/-1182.433 χ^2/NDF: 14.7/15

Left Out: -343.594+/-1073.192 χ^2/NDF:28.5/22

Right Out: 36.115+/-1098.207 χ^2/NDF: 15.9/18

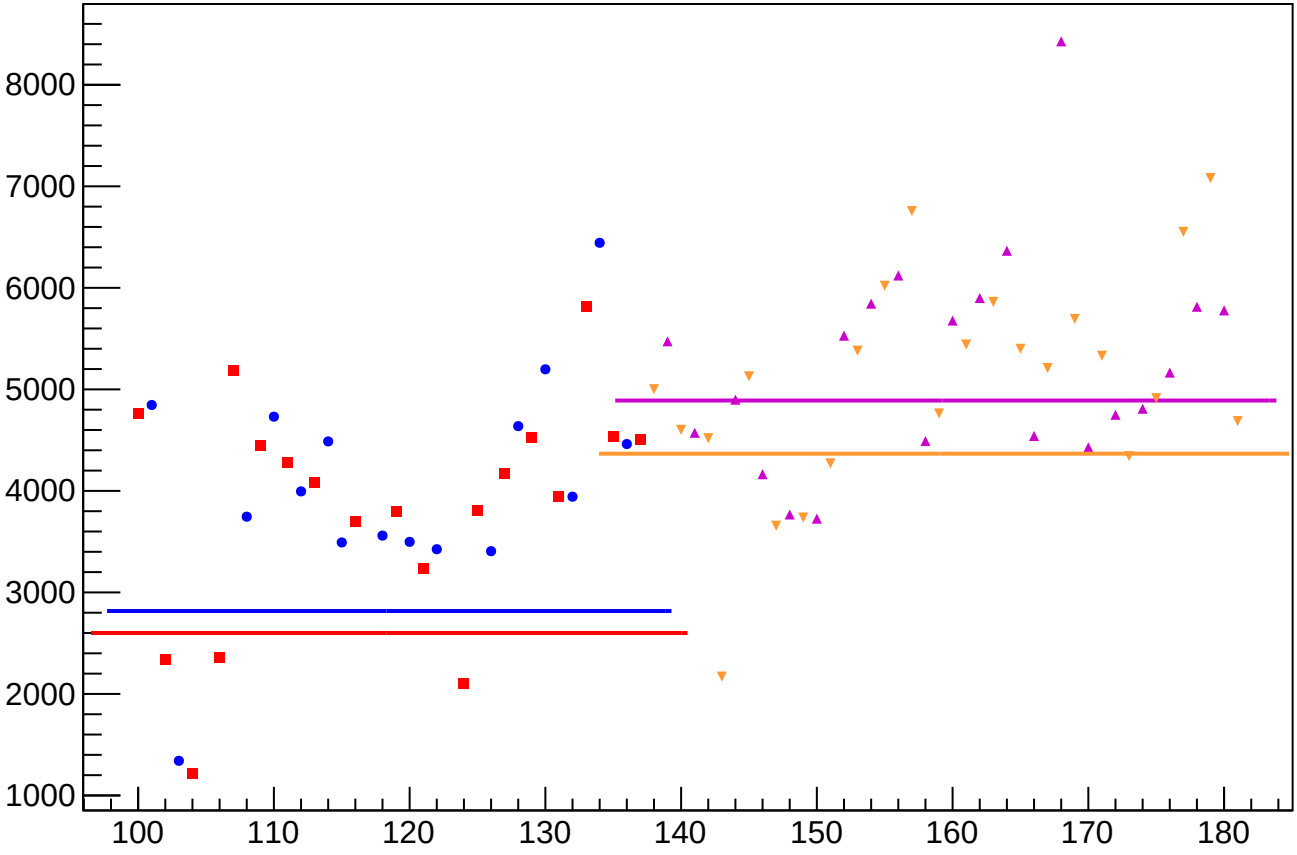
Left In: -244.169+/-1201.349 χ^2/NDF:12.6/20

+ sign -502.431+/-794.682 χ^2/NDF: 43.2/38

All: -301.022+/-567.457 χ^2/NDF: 71.9/78

- sign -91.481+/-810.565 χ^2/NDF: 28.6/39

asym_atl_avg_atr_avg_avg_cor_correction_rms vs Slug



Right In: 2816.784+/-0.836 χ^2/NDF: 3007570.0/15

Left Out: 4366.364+/-0.759 χ^2/NDF:3067740.3/22

Right Out: 2600.524+/-0.777 χ^2/NDF: 3080771.9/18

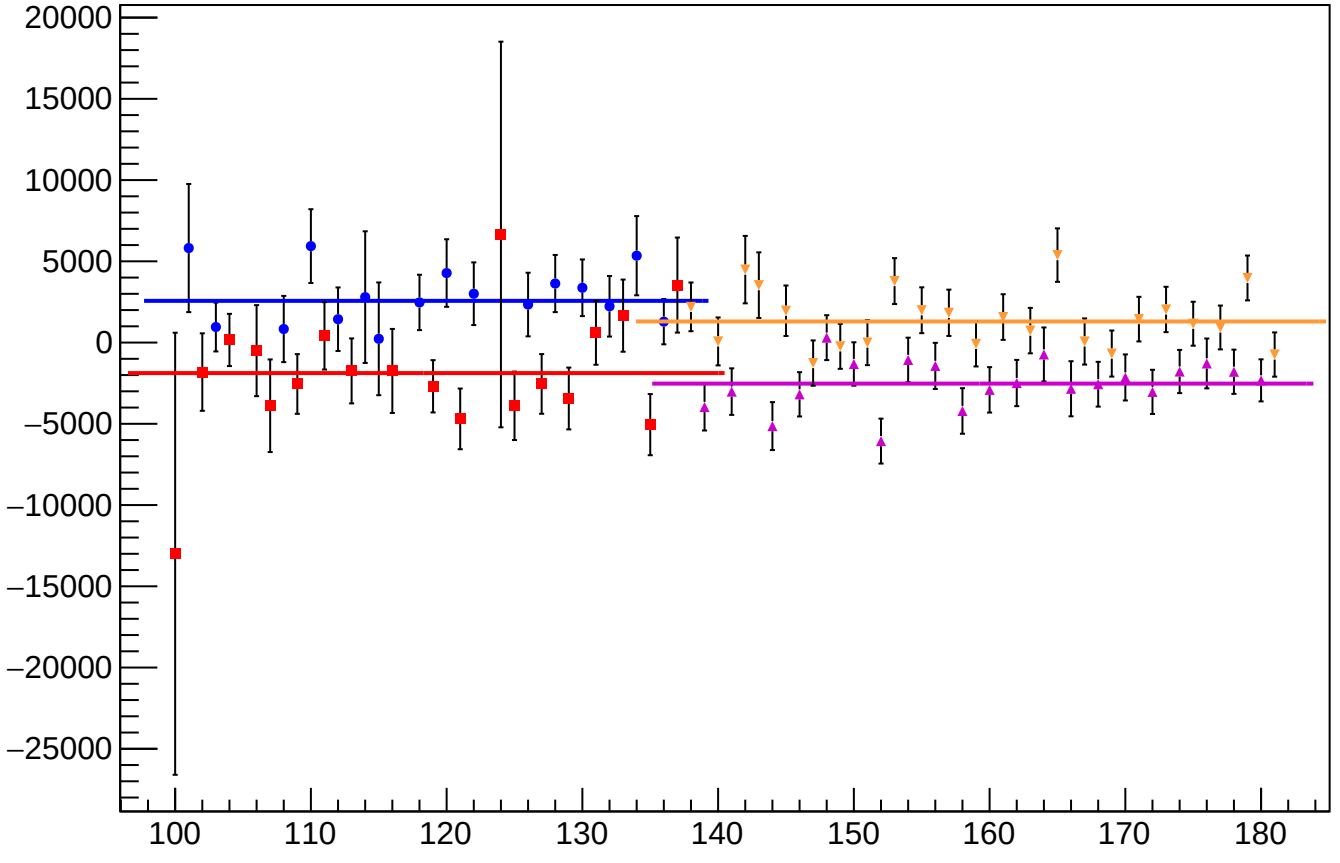
Left In: 4890.244+/-0.849 χ^2/NDF:1113240.7/20

+ sign 3666.445+/-0.562 χ^2/NDF: 7958685.6/38

All: 3654.900+/-0.401 χ^2/NDF: 16111452.4/7

- sign 3642.889+/-0.573 χ^2/NDF: 8151905.6/39

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: 1298.417+/-302.235 χ^2/NDF:30.2/22

Right Out: -1877.774+/-494.719 χ^2/NDF: 19.5/18

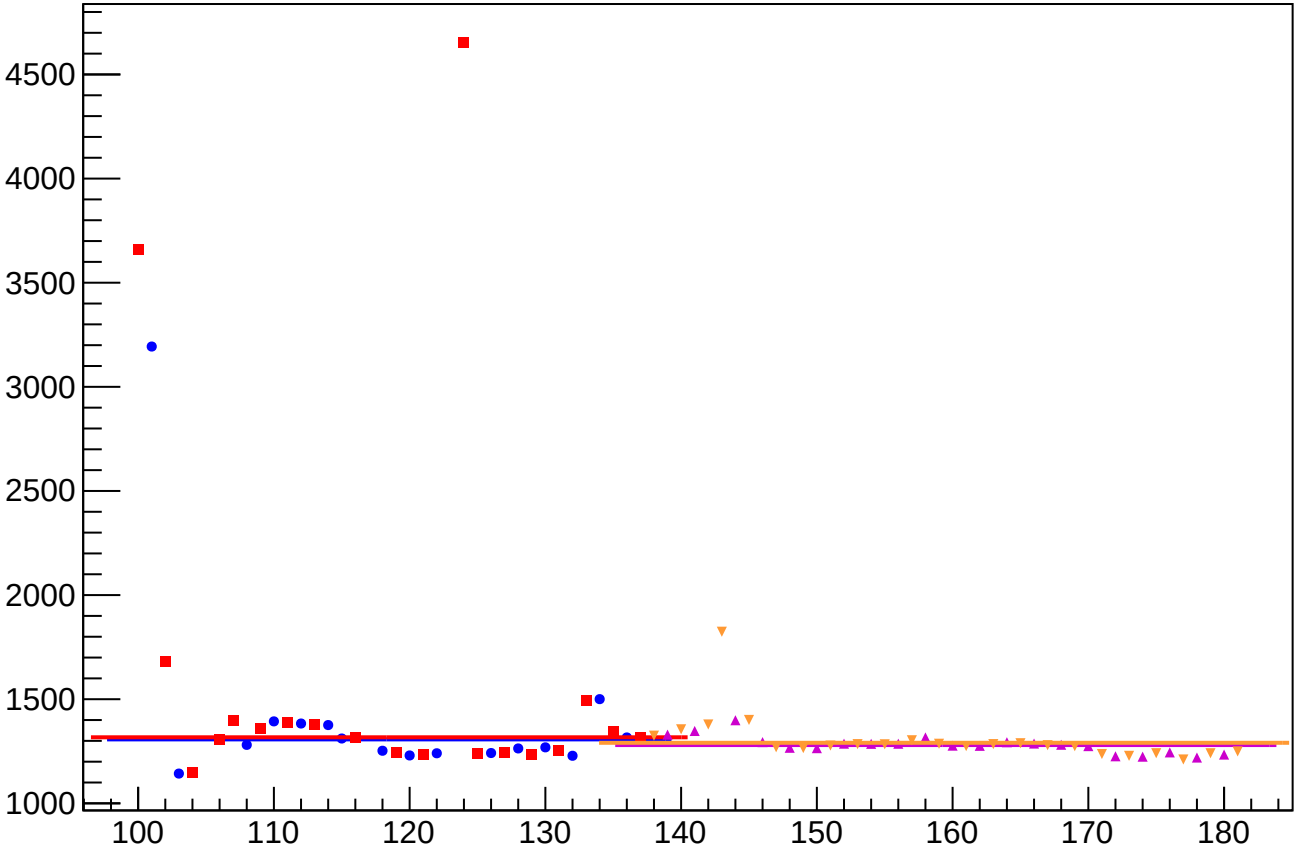
Left In: -2525.633+/-308.294 χ^2/NDF:22.0/20

+ sign 1642.596+/-258.004 χ^2/NDF: 44.0/38

All: -322.954+/-183.711 χ^2/NDF: 204.5/78

- sign -2344.416+/-261.648 χ^2/NDF: 42.8/39

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: 1290.753+/-0.214 χ^2/NDF:181696.5/22

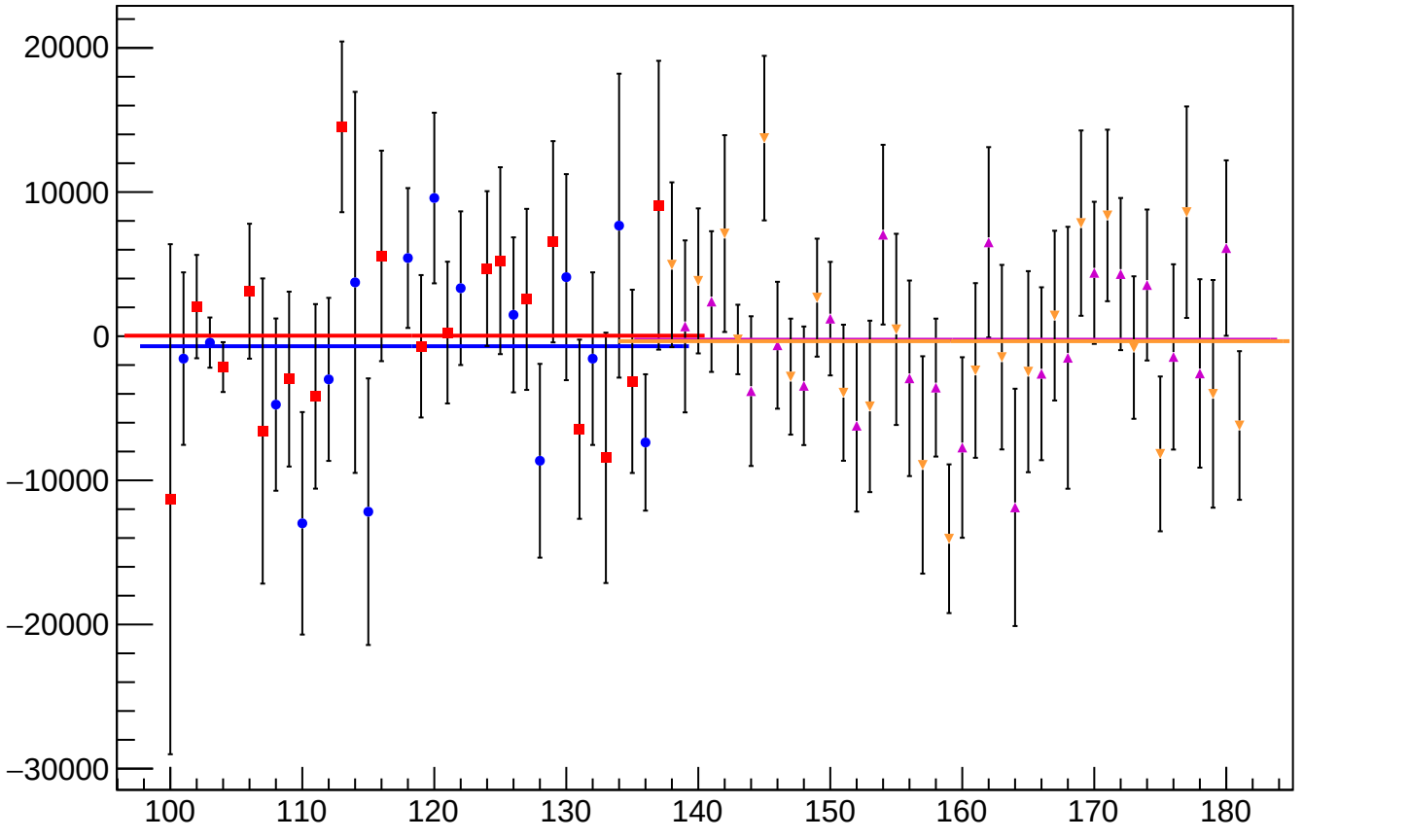
Right Out: 1317.128+/-0.349 χ^2/NDF: 325926.8/18

Left In: 1279.882+/-0.218 χ^2/NDF:36374.1/20

+ sign 1295.179+/-0.182 χ^2/NDF: 699527.9/38

All: 1292.787+/-0.130 χ^2/NDF: 1070365.4/78

- sign 1290.329+/-0.185 χ^2/NDF: 370488.8/39



Right In: -695.249+/-1182.433 χ^2/NDF: 14.7/15

Left Out: -343.594+/-1073.192 χ^2/NDF:28.5/22

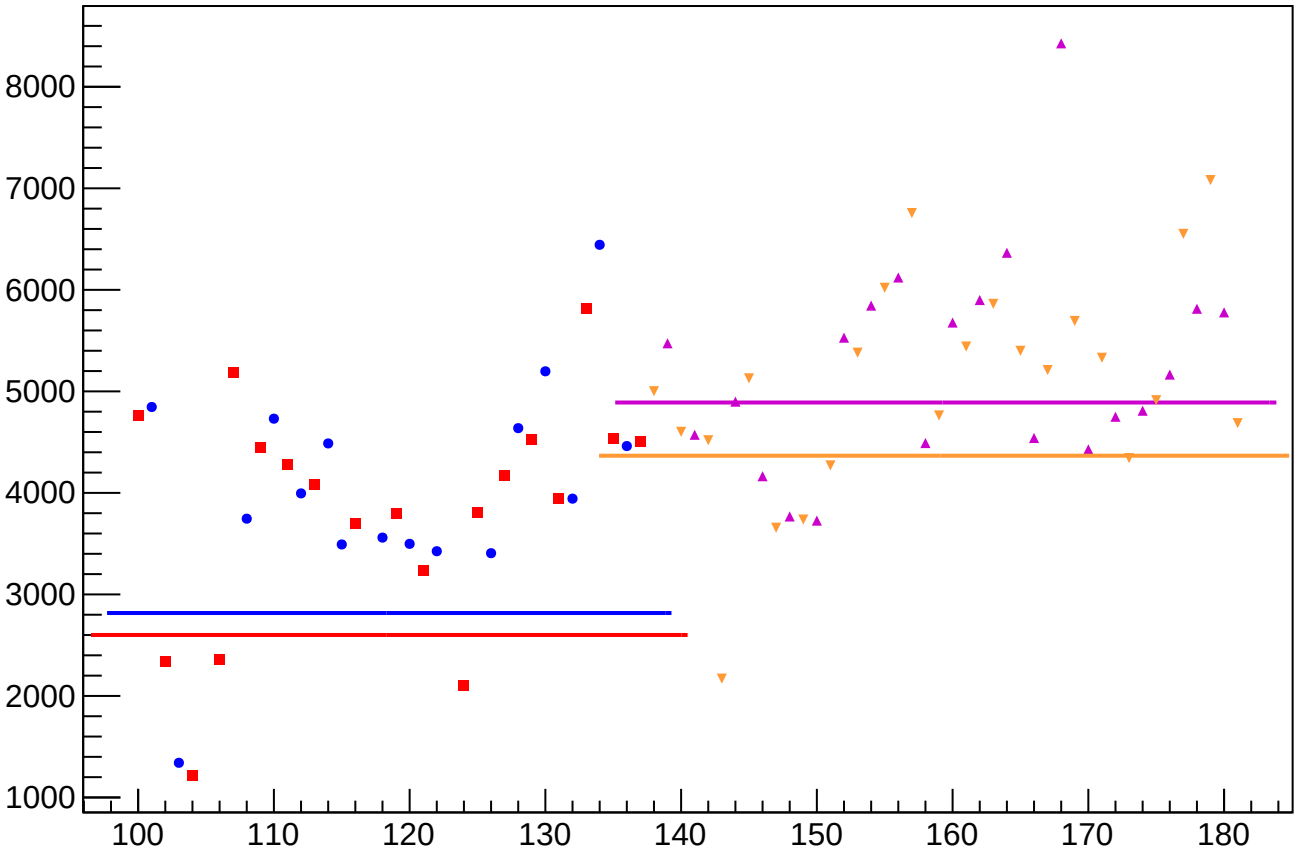
Right Out: 36.115+/-1098.207 χ^2/NDF: 15.9/18

Left In: -244.169+/-1201.349 χ^2/NDF:12.6/20

+ sign -502.431+/-794.682 χ^2/NDF: 43.2/38

All: -301.022+/-567.457 χ^2/NDF: 71.9/78

- sign -91.481+/-810.565 χ^2/NDF: 28.6/39



Right In: 2816.784+/-0.836 χ^2/NDF: 3007570.0/15

Left Out: 4366.364+/-0.759 χ^2/NDF:3067740.3/22

Right Out: 2600.524+/-0.777 χ^2/NDF: 3080771.9/18

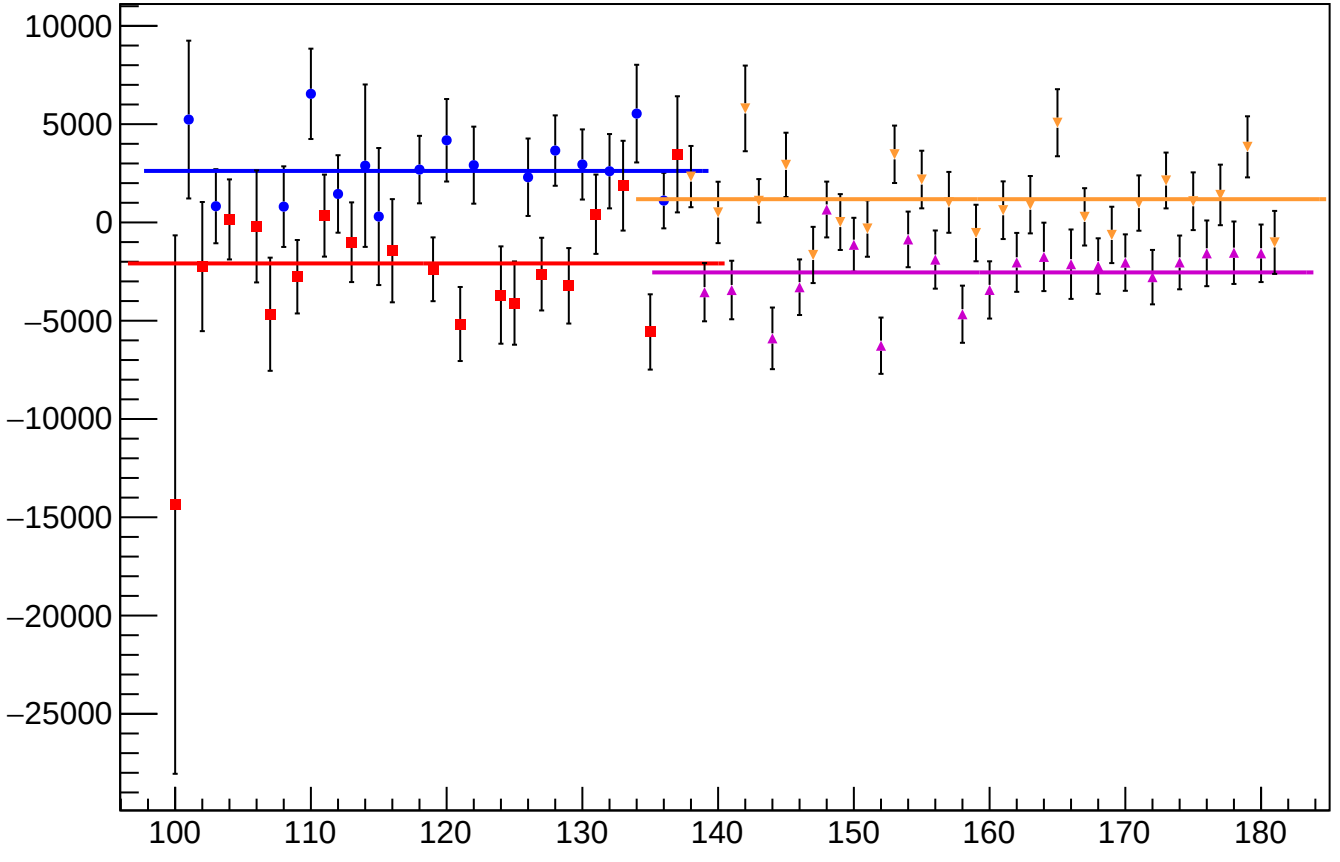
Left In: 4890.244+/-0.849 χ^2/NDF:1113240.7/20

+ sign 3666.445+/-0.562 χ^2/NDF: 7958685.6/38

All: 3654.900+/-0.401 χ^2/NDF: 16111452.4/7

- sign 3642.889+/-0.573 χ^2/NDF: 8151905.6/39

dit_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2620.535+/-511.510 χ^2/NDF: 9.3/15

Left Out: 1183.204+/-309.368 χ^2/NDF:29.1/22

Right Out: -2085.606+/-504.873 χ^2/NDF: 20.9/18

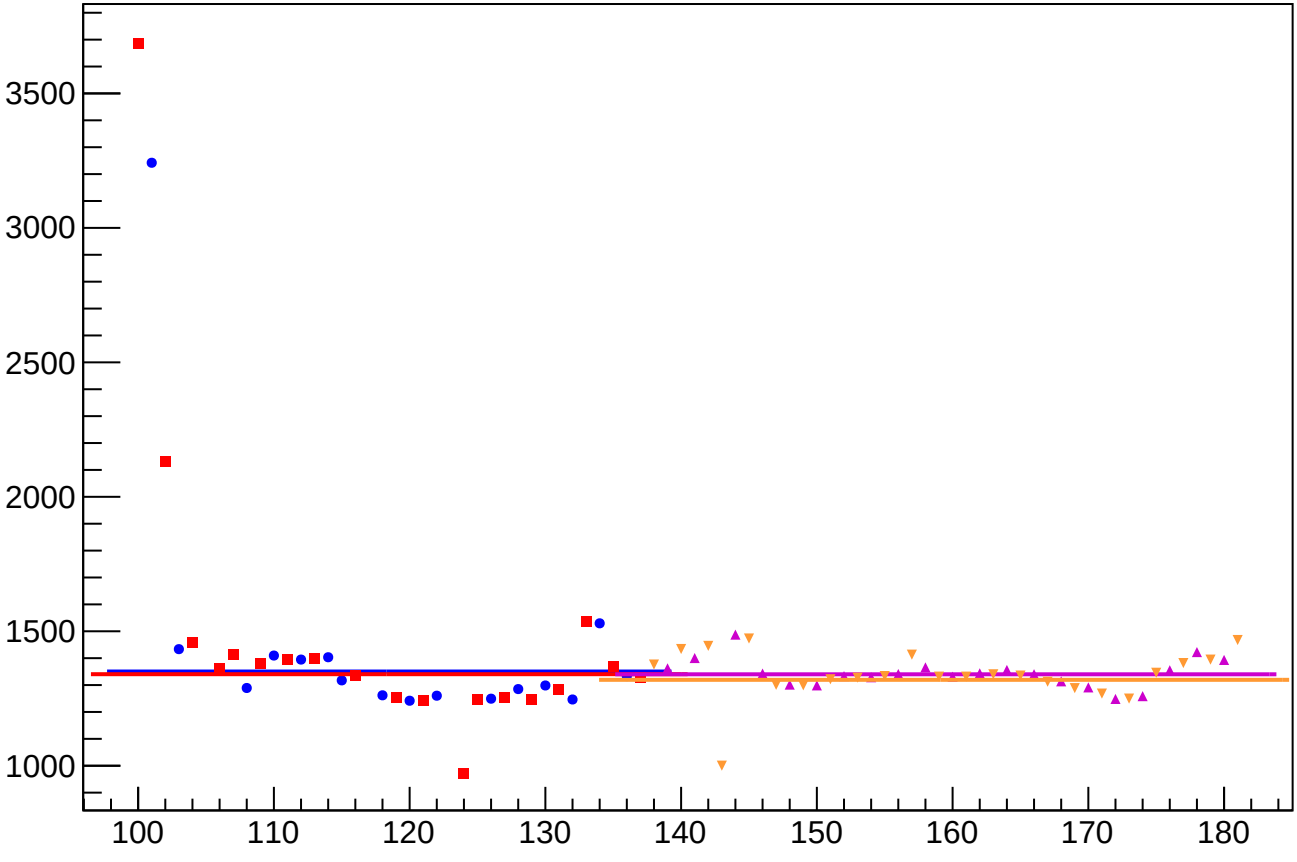
Left In: -2542.641+/-322.952 χ^2/NDF:24.6/20

+ sign 1568.161+/-264.717 χ^2/NDF: 44.2/38

All: -366.523+/-189.724 χ^2/NDF: 200.2/78

- sign -2409.933+/-272.054 χ^2/NDF: 46.1/39

dit_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1350.369+/-0.362 χ^2/NDF: 494051.1/15

Left Out: 1319.482+/-0.219 χ^2/NDF:247259.6/22

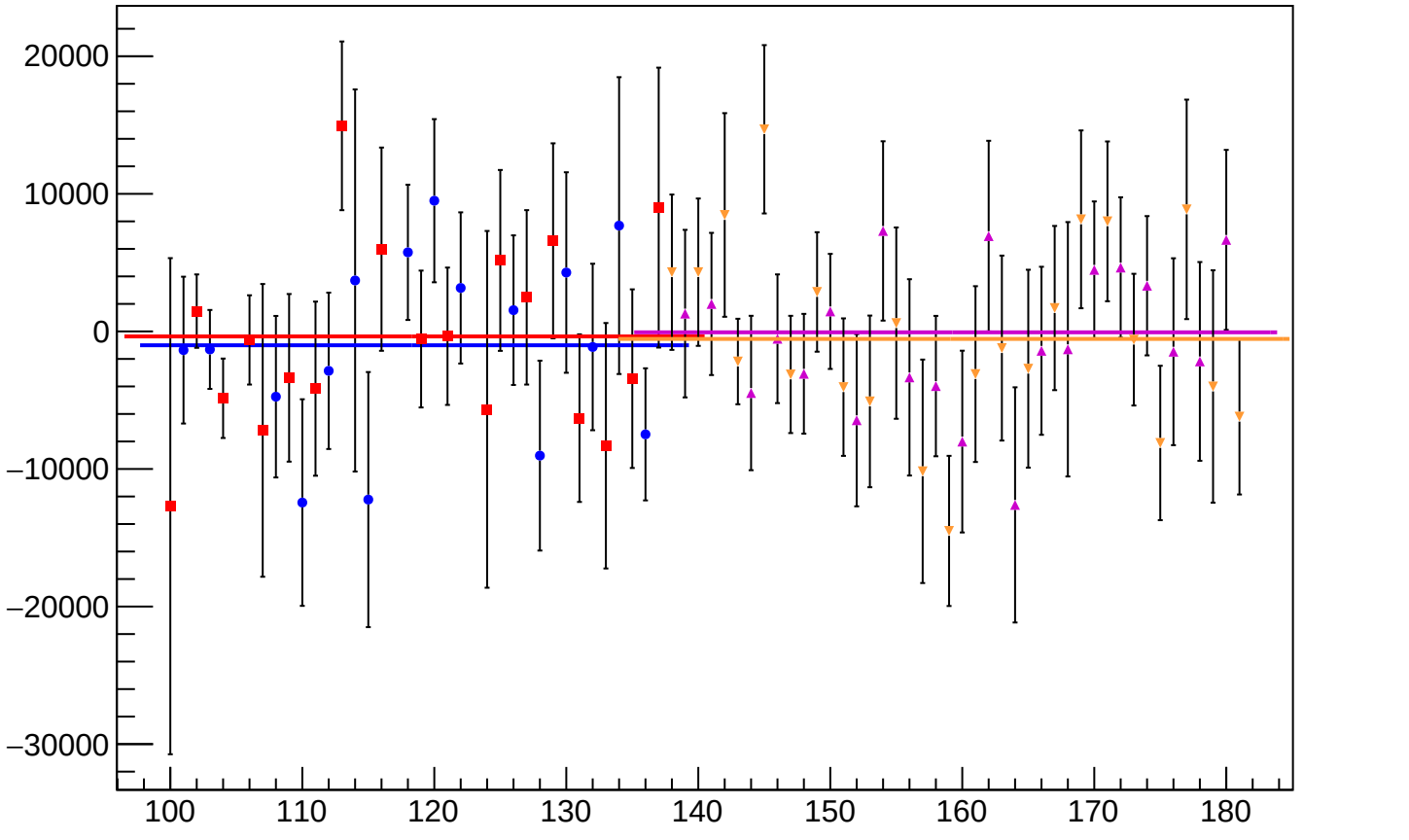
Right Out: 1340.429+/-0.357 χ^2/NDF: 272183.5/18

Left In: 1340.038+/-0.228 χ^2/NDF:52835.7/20

+ sign 1327.754+/-0.187 χ^2/NDF: 746650.0/38

All: 1333.785+/-0.134 χ^2/NDF: 1073803.9/78

- sign 1340.152+/-0.192 χ^2/NDF: 325020.1/39



Right In: -1006.752+/-1404.458 χ^2/NDF: 14.6/15

Left Out: -545.941+/-1160.886 χ^2/NDF:28.3/22

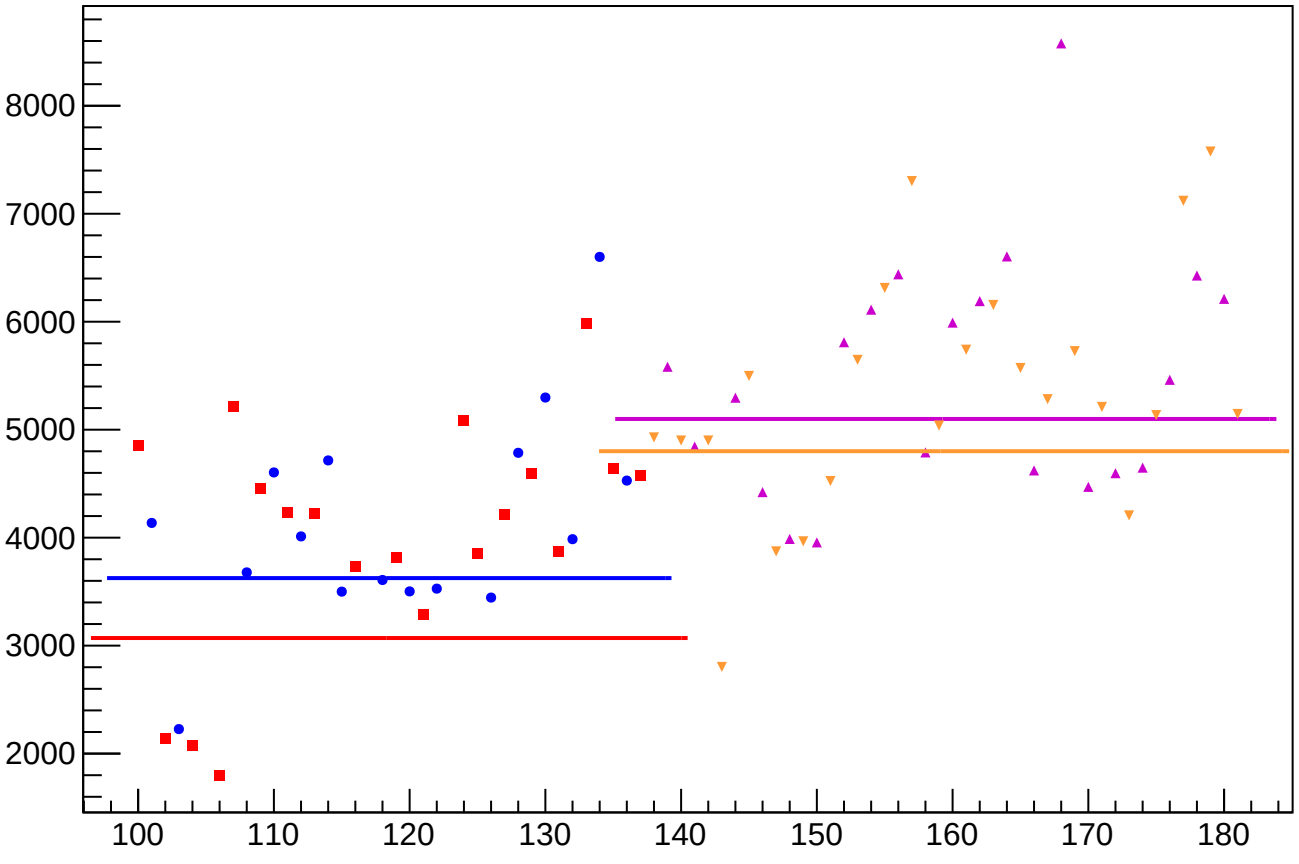
Right Out: -364.493+/-1202.498 χ^2/NDF: 16.2/18

Left In: -66.099+/-1253.142 χ^2/NDF:12.6/20

+ sign -732.984+/-894.786 χ^2/NDF: 42.9/38

All: -469.341+/-622.892 χ^2/NDF: 71.9/78

- sign -221.447+/-867.646 χ^2/NDF: 28.8/39



Right In: 3625.512+/-0.993 χ^2/NDF: 944905.4/15

Left Out: 4800.779+/-0.821 χ^2/NDF:1996699.1/22

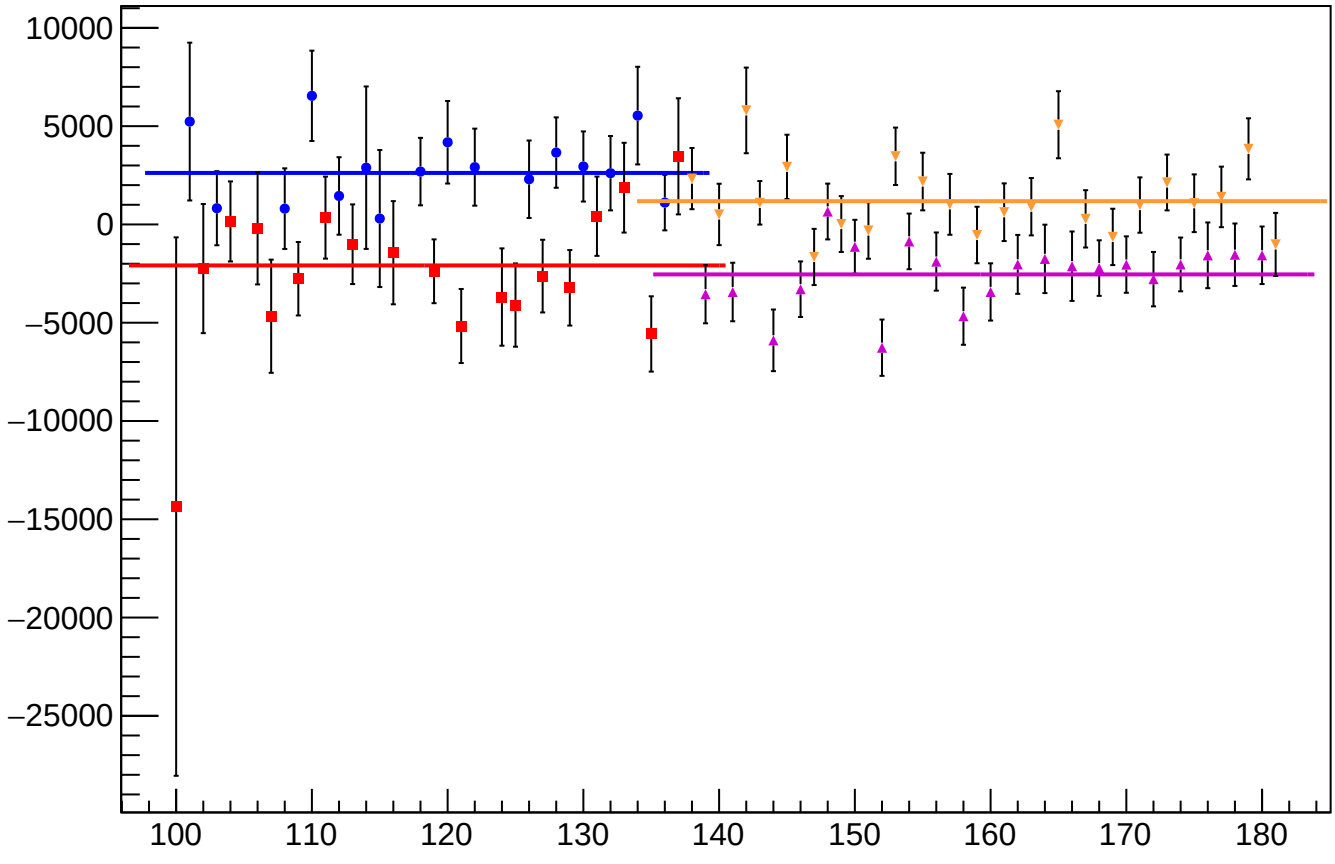
Right Out: 3070.442+/-0.850 χ^2/NDF: 1838659.1/18

Left In: 5099.287+/-0.886 χ^2/NDF:1135232.9/20

+ sign 4323.737+/-0.633 χ^2/NDF: 3773644.6/38

All: 4179.067+/-0.440 χ^2/NDF: 9578225.7/78

- sign 4043.041+/-0.614 χ^2/NDF: 5703141.9/39



Right In: 2620.535+/-511.510 χ^2/NDF: 9.3/15

Left Out: 1183.199+/-309.369 χ^2/NDF:29.1/22

Right Out: -2085.608+/-504.873 χ^2/NDF: 20.9/18

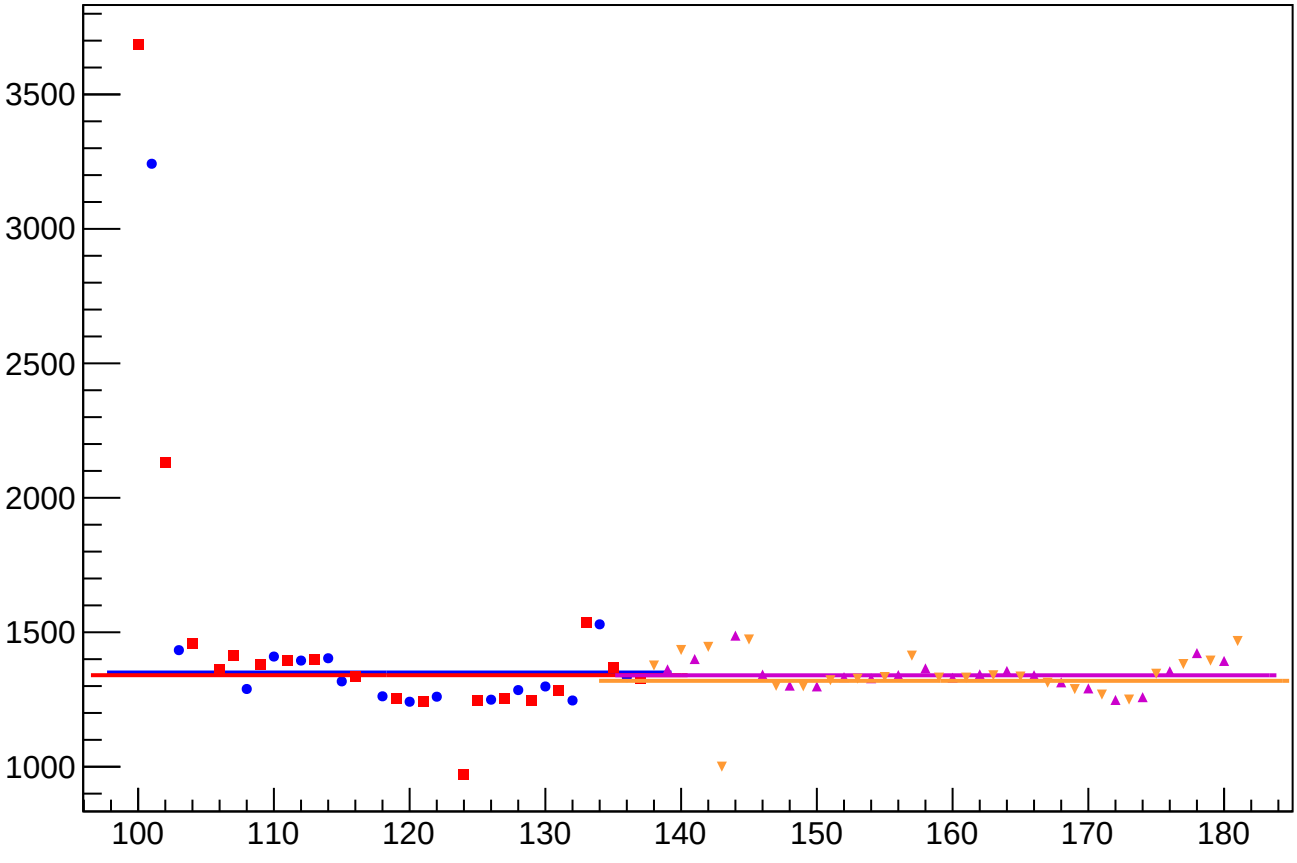
Left In: -2542.642+/-322.952 χ^2/NDF:24.6/20

+ sign 1568.159+/-264.718 χ^2/NDF: 44.2/38

All: -366.524+/-189.724 χ^2/NDF: 200.2/78

- sign -2409.934+/-272.054 χ^2/NDF: 46.1/39

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: 1319.483+/-0.219 χ^2/NDF:247262.2/22

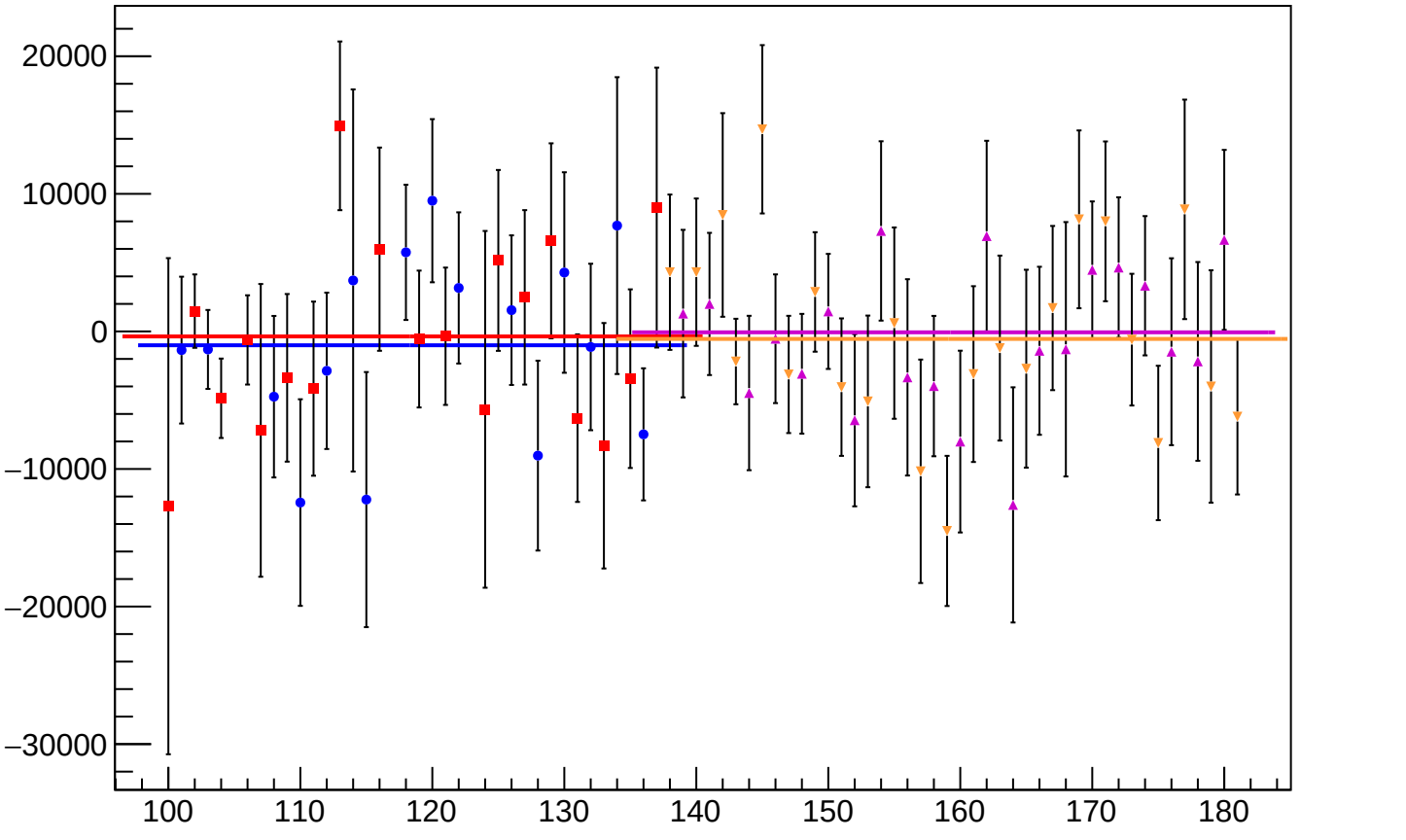
Right Out: 1340.428+/-0.357 χ^2/NDF: 272182.5/18

Left In: 1340.040+/-0.228 χ^2/NDF:52838.2/20

+ sign 1327.755+/-0.187 χ^2/NDF: 746652.2/38

All: 1333.786+/-0.134 χ^2/NDF: 1073807.5/78

- sign 1340.153+/-0.192 χ^2/NDF: 325021.6/39



Right In: -1006.742+/-1404.455 χ^2/NDF: 14.6/15

Left Out: -545.945+/-1160.888 χ^2/NDF:28.3/22

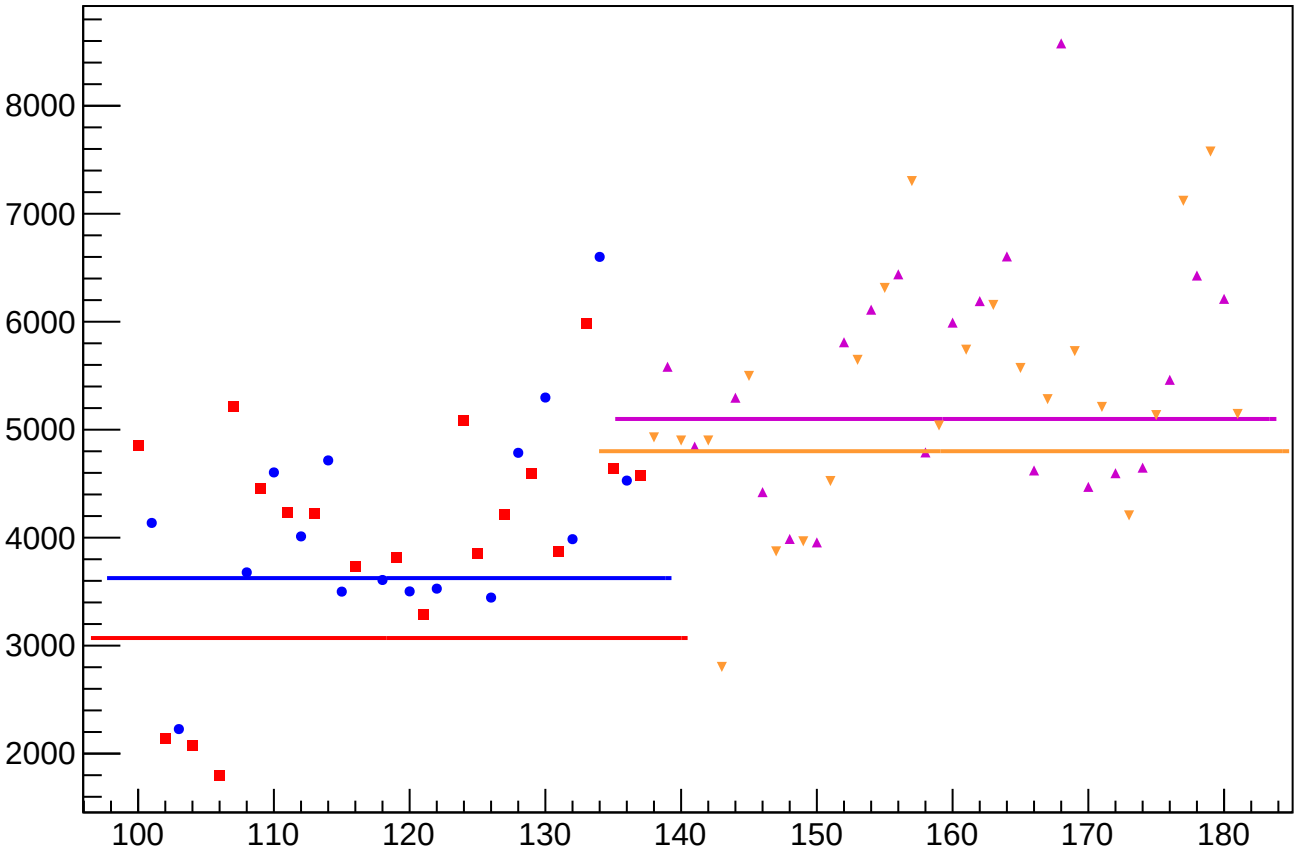
Right Out: -364.495+/-1202.495 χ^2/NDF: 16.2/18

Left In: -66.099+/-1253.144 χ^2/NDF:12.6/20

+ sign -732.984+/-894.786 χ^2/NDF: 42.9/38

All: -469.341+/-622.892 χ^2/NDF: 71.9/78

- sign -221.449+/-867.646 χ^2/NDF: 28.8/39



Right In: 3625.503+/-0.993 χ^2/NDF: 944907.6/15

Left Out: 4800.787+/-0.821 χ^2/NDF:1996700.6/22

Right Out: 3070.434+/-0.850 χ^2/NDF: 1838662.0/18

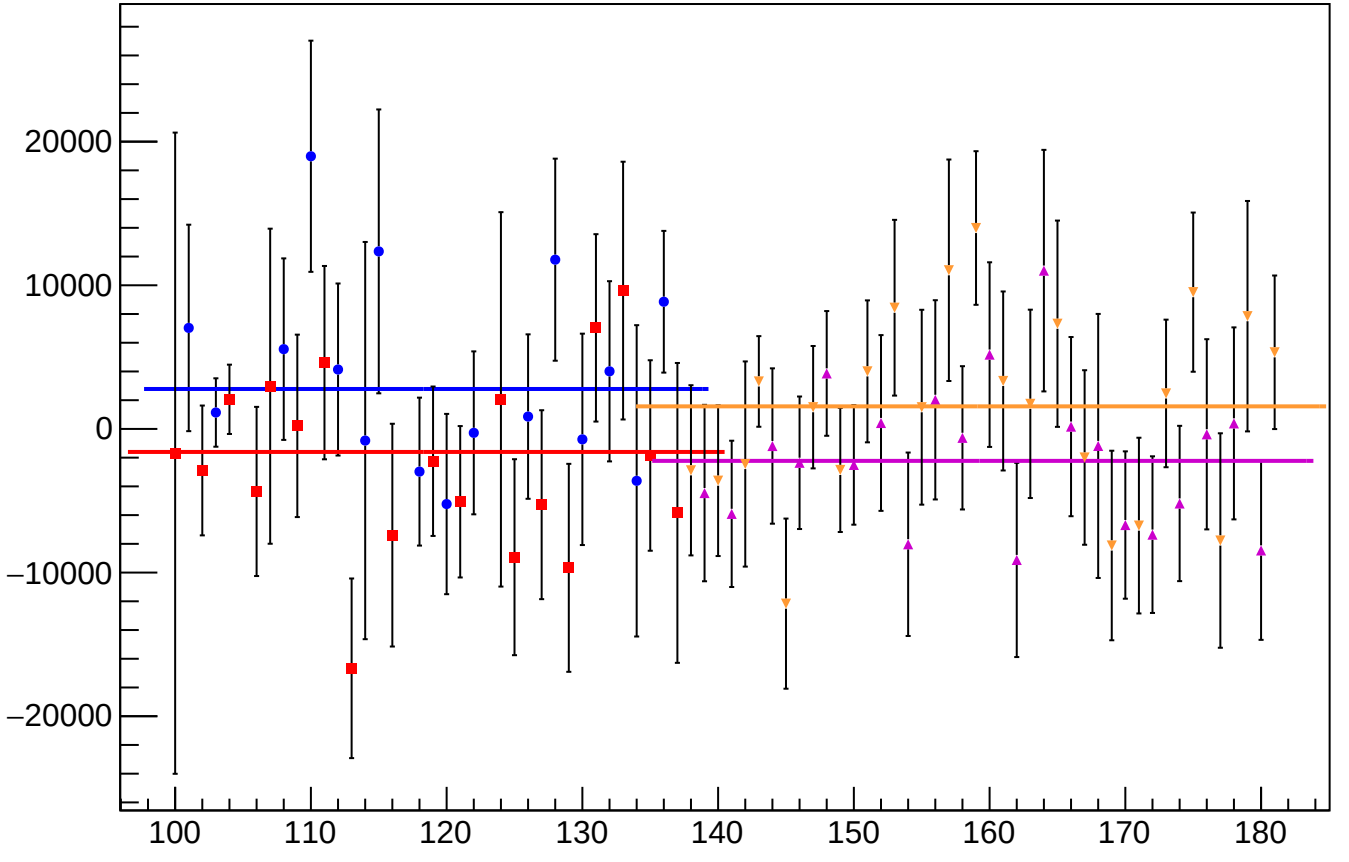
Left In: 5099.295+/-0.886 χ^2/NDF:1135236.0/20

+ sign 4323.735+/-0.633 χ^2/NDF: 3773673.3/38

All: 4179.064+/-0.440 χ^2/NDF: 9578309.7/78

- sign 4043.036+/-0.614 χ^2/NDF: 5703194.6/39

asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2780.878+/-1389.439 χ^2/NDF: 13.2/15

Left Out: 1571.019+/-1156.700 χ^2/NDF:26.8/22

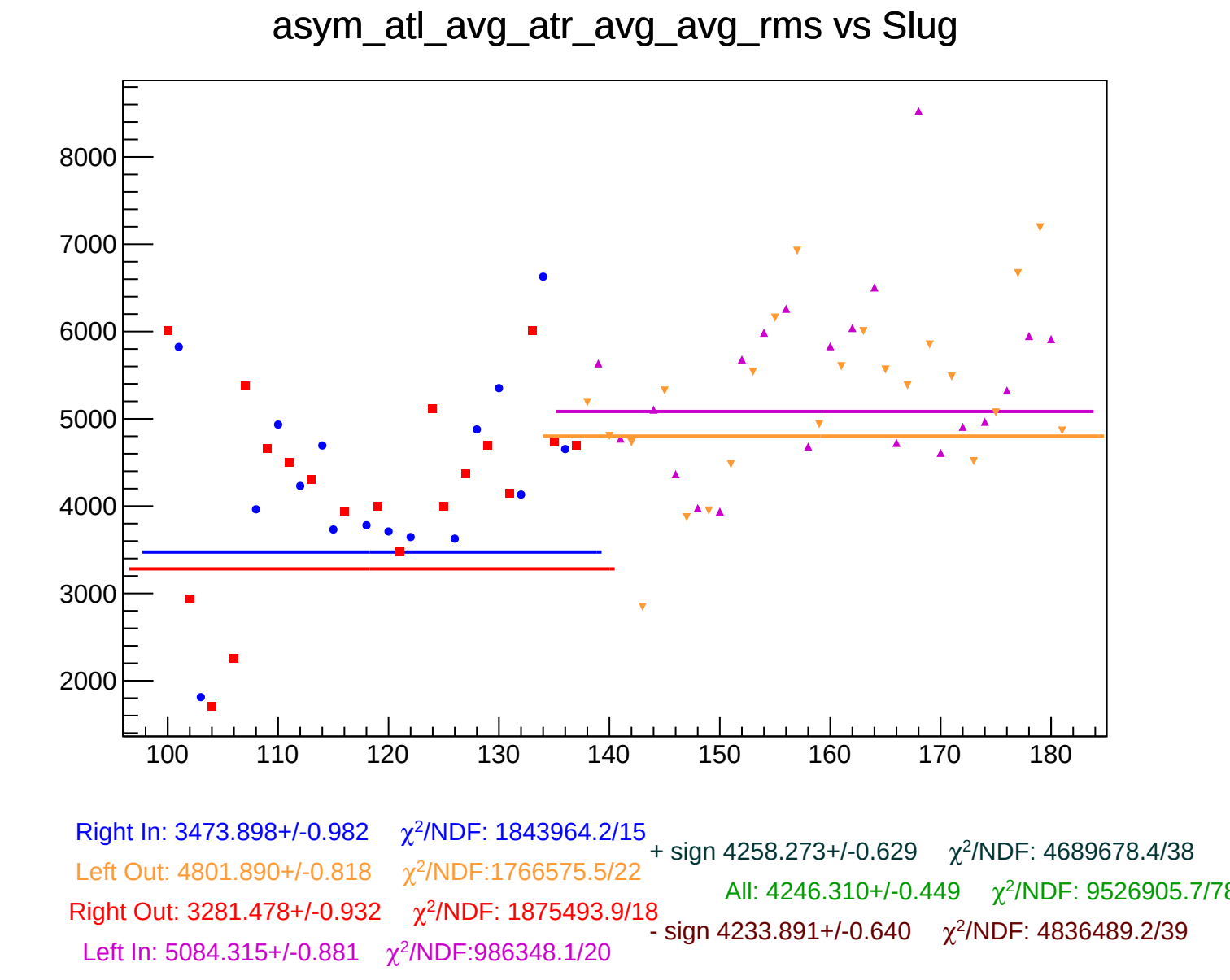
Right Out: -1602.626+/-1337.018 χ^2/NDF: 16.8/18

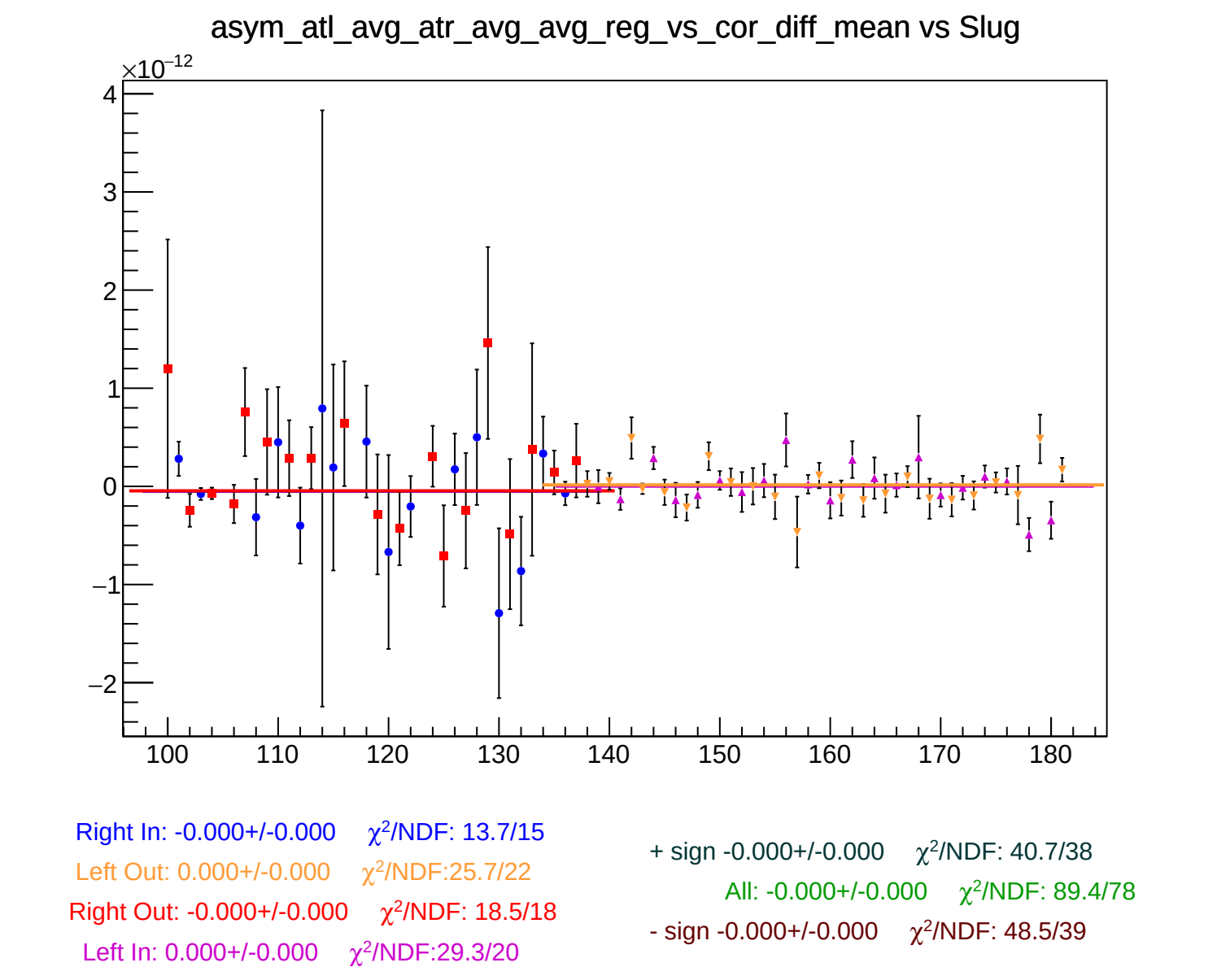
Left In: -2223.929+/-1246.139 χ^2/NDF:12.3/20

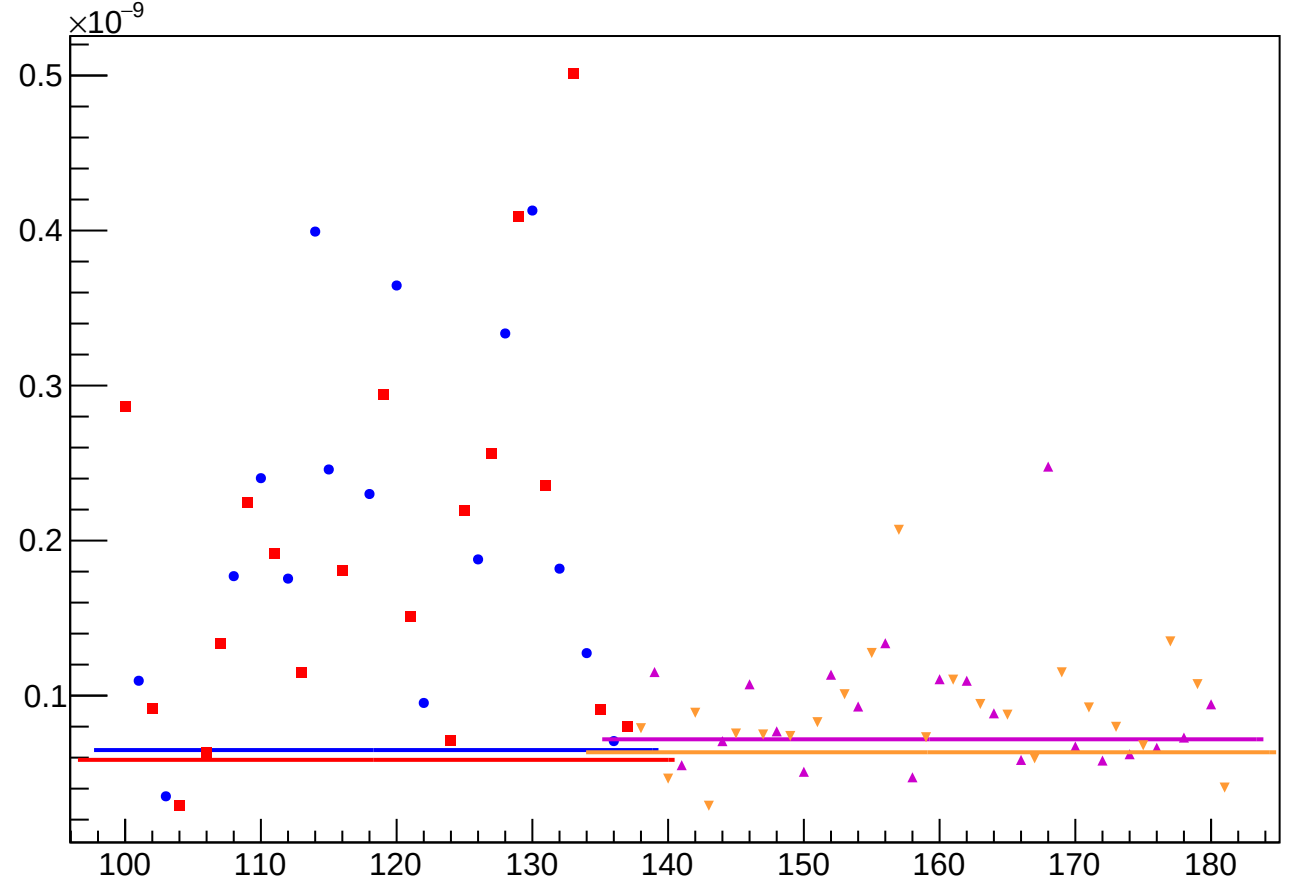
+ sign 2066.273+/-888.969 χ^2/NDF: 40.4/38

All: 115.845+/-636.443 χ^2/NDF: 79.6/78

- sign -1935.109+/-911.590 χ^2/NDF: 29.3/39


asym_atl_avg_atr_avg_avg_rms vs Slug
8000
7000
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
170
180
Right In: 3473.898+/-0.982 χ²/NDF: 1843964.2/15
Left Out: 4801.890+/-0.818 χ²/NDF:1766575.5/22
Right Out: 3281.478+/-0.932 χ²/NDF: 1875493.9/18
Left In: 5084.315+/-0.881 χ²/NDF:986348.1/20
+ sign 4258.273+/-0.629 χ²/NDF: 4689678.4/38
All: 4246.310+/-0.449 χ²/NDF: 9526905.7/78
- sign 4233.891+/-0.640 χ²/NDF: 4836489.2/39


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:25.7/22
Right Out: -0.000+/-0.000 χ²/NDF: 18.5/18
Left In: 0.000+/-0.000 χ²/NDF:29.3/20
+ sign -0.000+/-0.000 χ²/NDF: 40.7/38
All: -0.000+/-0.000 χ²/NDF: 89.4/78
- sign -0.000+/-0.000 χ²/NDF: 48.5/39



Right In: 0.000+/-0.000 χ^2/NDF: 2592912.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:2347943.6/22

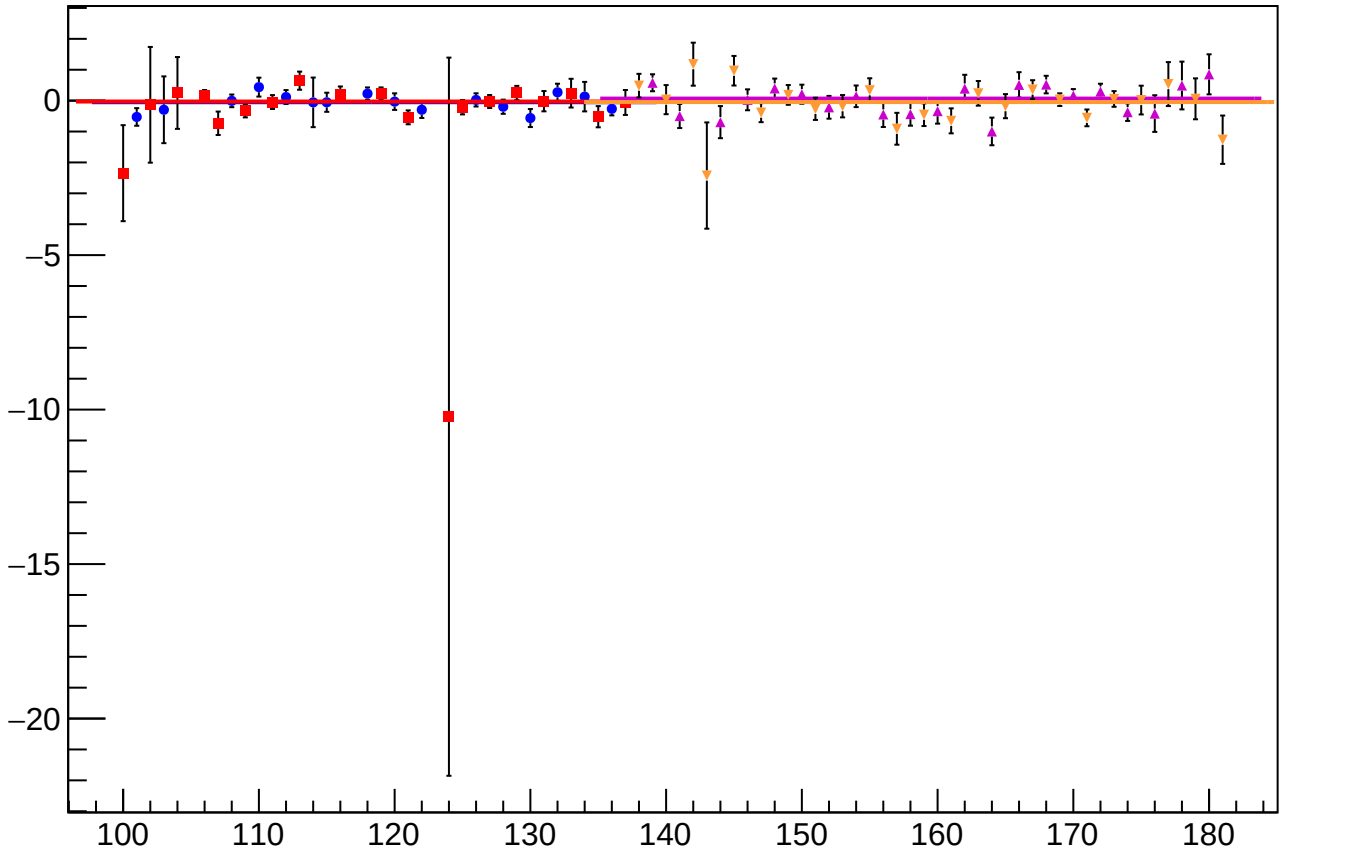
Right Out: 0.000+/-0.000 χ^2/NDF: 2855105.2/18

Left In: 0.000+/-0.000 χ^2/NDF:1349130.1/20

+ sign 0.000+/-0.000 χ^2/NDF: 4942177.2/38

All: 0.000+/-0.000 χ^2/NDF: 9285343.4/78

- sign 0.000+/-0.000 χ^2/NDF: 4314369.2/39



Right In: -0.051+/-0.067 χ^2/NDF: 14.9/15

Left Out: -0.046+/-0.078 χ^2/NDF:30.4/22

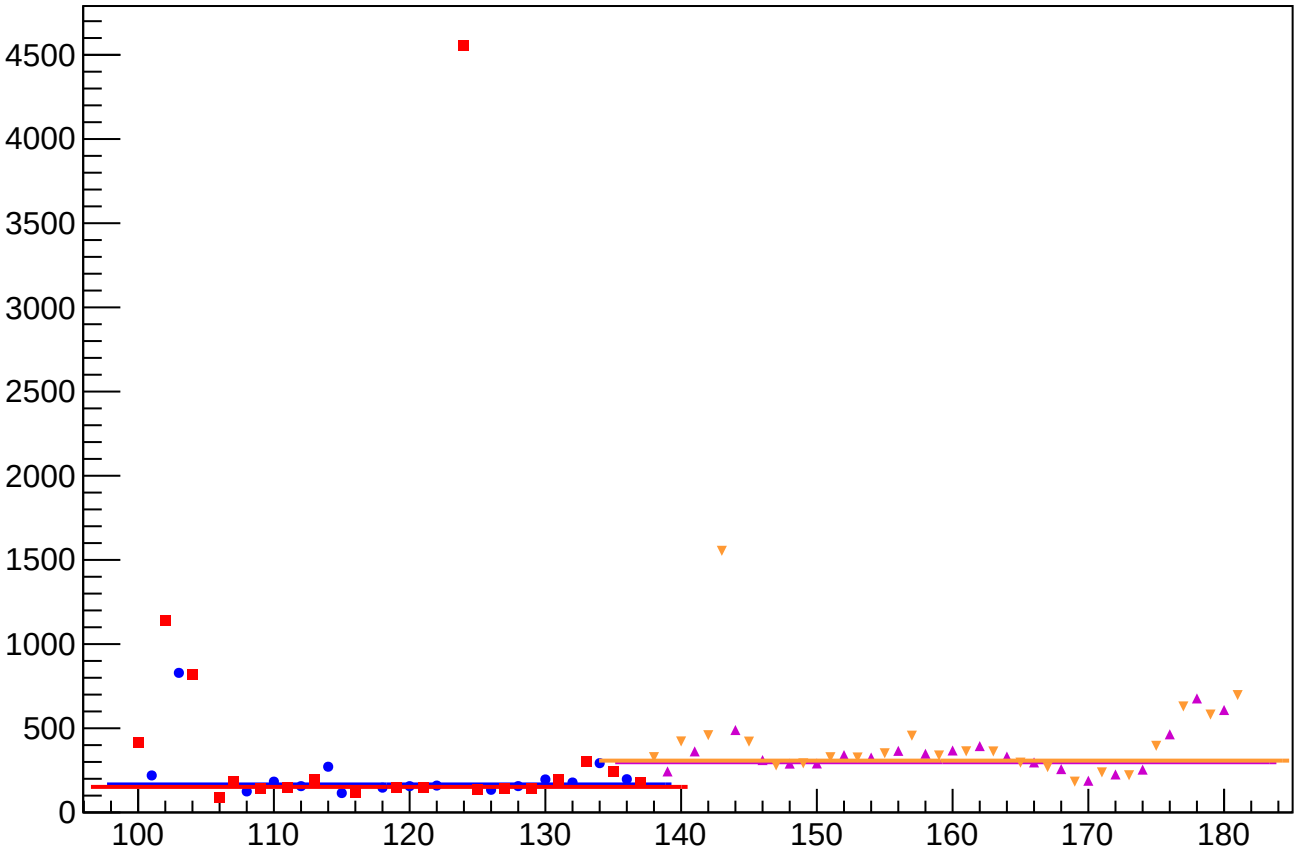
Right Out: -0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: 0.066+/-0.076 χ^2/NDF:29.8/20

+ sign -0.049+/-0.051 χ^2/NDF: 45.3/38

All: -0.018+/-0.035 χ^2/NDF: 104.2/78

- sign 0.011+/-0.049 χ^2/NDF: 58.2/39



Right In: 166.360+/-0.047 χ^2/NDF: 1282728.5/15

Left Out: 307.852+/-0.055 χ^2/NDF:4151443.4/22

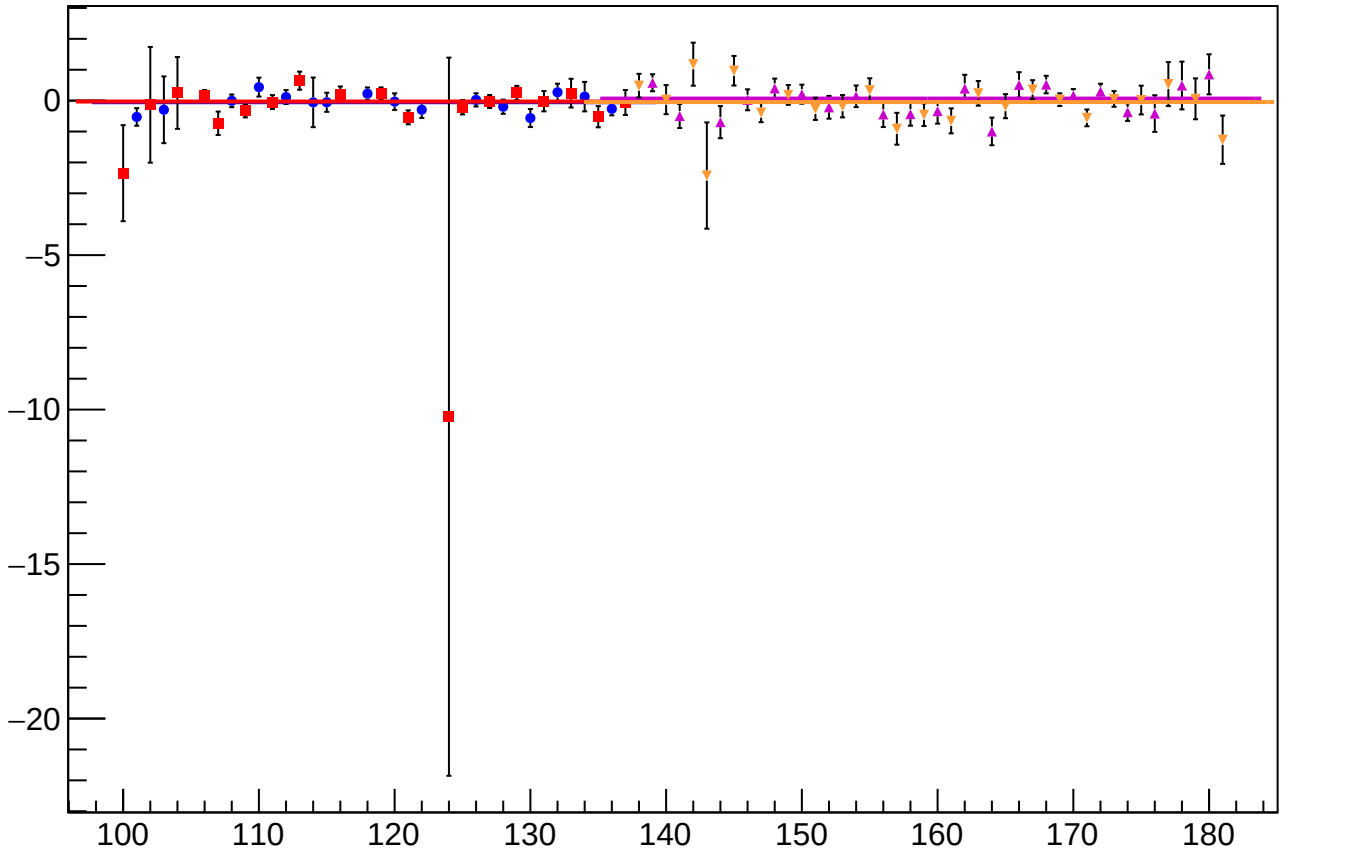
Right Out: 151.791+/-0.045 χ^2/NDF: 2315638.8/18

Left In: 298.286+/-0.054 χ^2/NDF:2586936.0/20

+ sign 226.263+/-0.036 χ^2/NDF: 9241273.3/38

All: 219.164+/-0.025 χ^2/NDF: 18561394.5/78

- sign 212.530+/-0.035 χ^2/NDF: 9244180.3/39



Right In: -0.051+/-0.067 χ^2/NDF: 14.9/15

Left Out: -0.046+/-0.078 χ^2/NDF:30.4/22

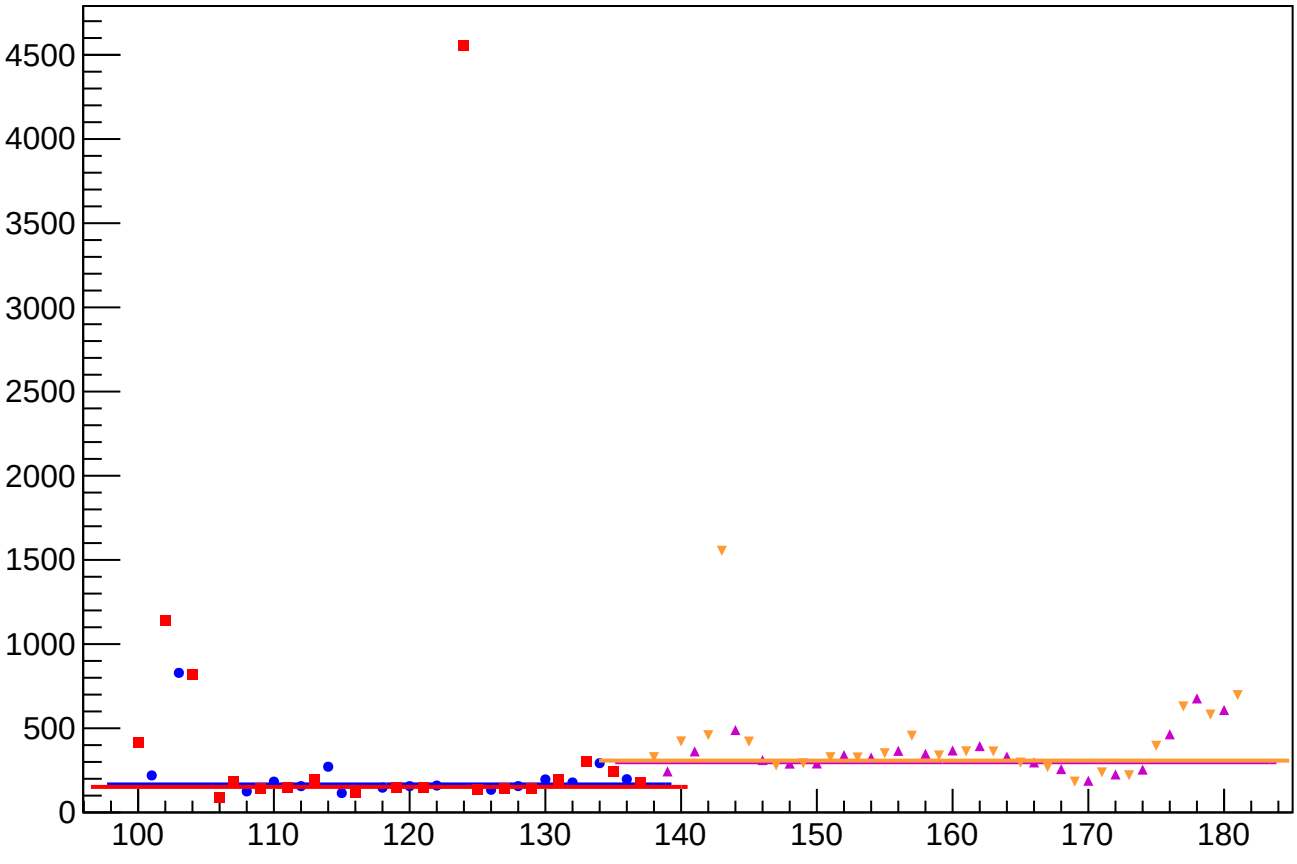
Right Out: -0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: 0.066+/-0.076 χ^2/NDF:29.8/20

+ sign -0.049+/-0.051 χ^2/NDF: 45.3/38

All: -0.018+/-0.035 χ^2/NDF: 104.2/78

- sign 0.011+/-0.049 χ^2/NDF: 58.2/39



Right In: 166.360+/-0.047 χ^2/NDF: 1282728.5/15

Left Out: 307.852+/-0.055 χ^2/NDF:4151443.4/22

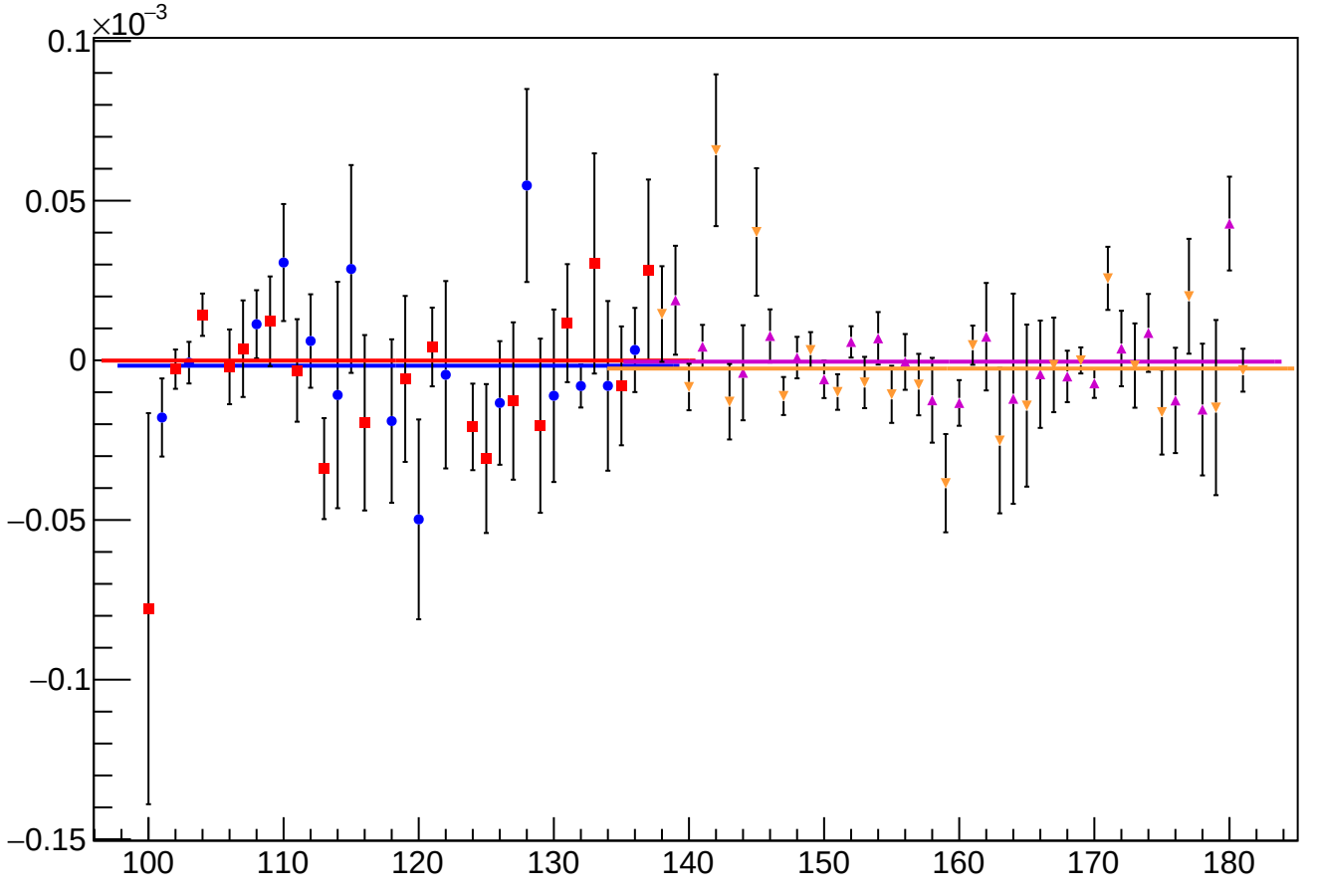
Right Out: 151.791+/-0.045 χ^2/NDF: 2315638.8/18

Left In: 298.286+/-0.054 χ^2/NDF:2586936.0/20

+ sign 226.263+/-0.036 χ^2/NDF: 9241273.3/38

All: 219.164+/-0.025 χ^2/NDF: 18561394.5/78

- sign 212.530+/-0.035 χ^2/NDF: 9244180.3/39



Right In: -0.000+/-0.000 χ^2/NDF: 15.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:41.3/22

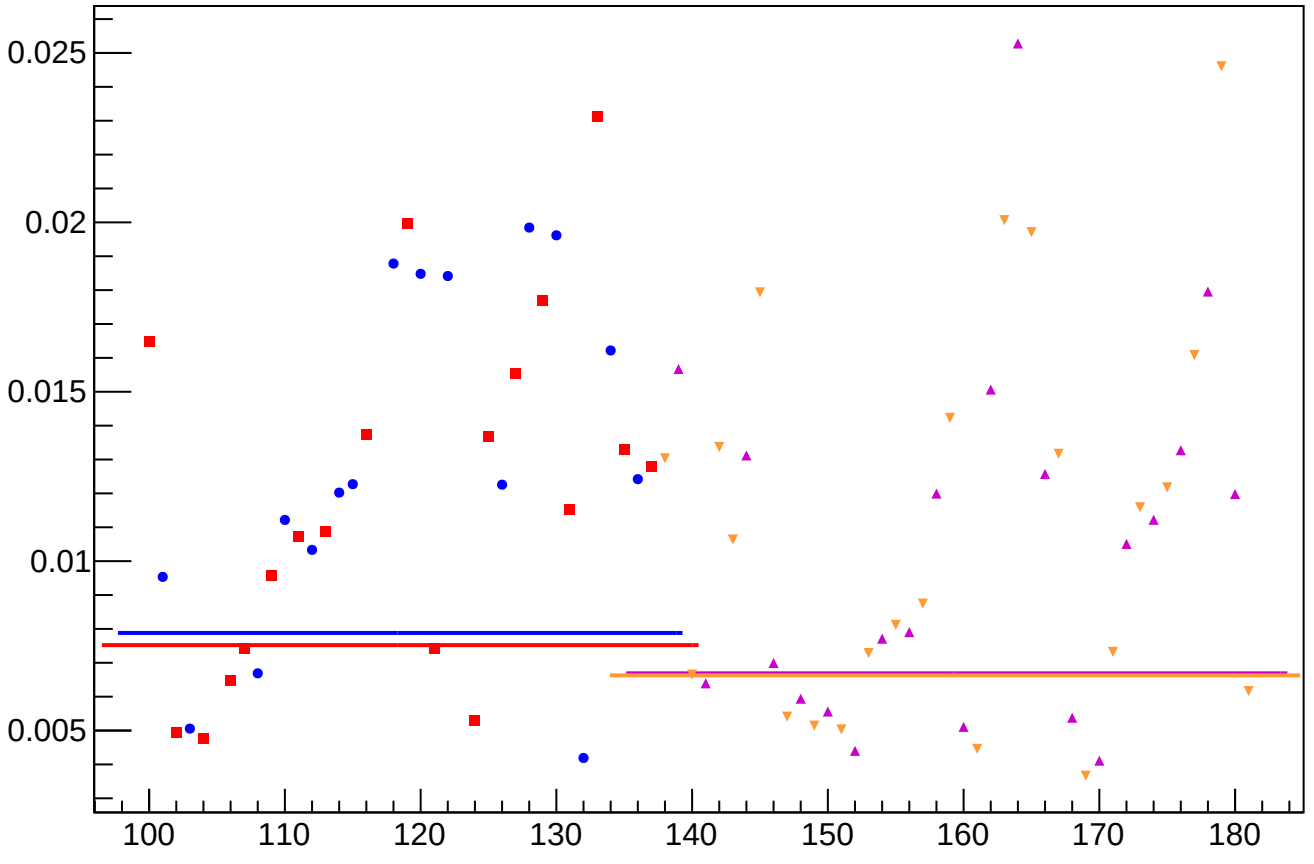
Right Out: -0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: -0.000+/-0.000 χ^2/NDF:23.5/20

+ sign -0.000+/-0.000 χ^2/NDF: 56.9/38

All: -0.000+/-0.000 χ^2/NDF: 101.1/78

- sign -0.000+/-0.000 χ^2/NDF: 43.4/39



Right In: 0.008+/-0.000 χ^2/NDF: 3301734.3/15

Left Out: 0.007+/-0.000 χ^2/NDF:7423883.1/22

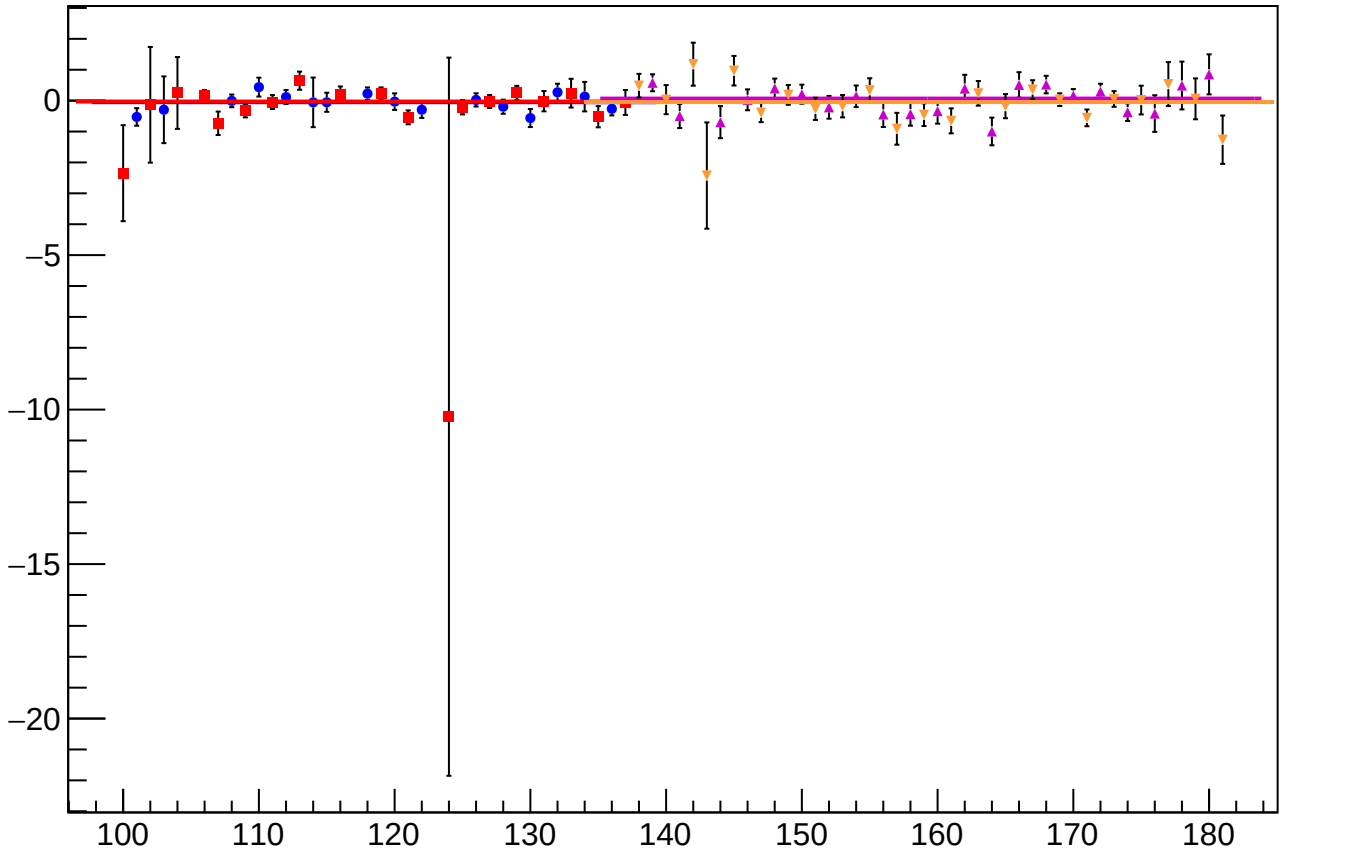
Right Out: 0.008+/-0.000 χ^2/NDF: 2975331.6/18

Left In: 0.007+/-0.000 χ^2/NDF:5682999.3/20

+ sign 0.007+/-0.000 χ^2/NDF: 10938341.8/38

All: 0.007+/-0.000 χ^2/NDF: 19700681.7/78

- sign 0.007+/-0.000 χ^2/NDF: 8762320.7/39



Right In: -0.051+/-0.067 χ^2/NDF: 14.9/15

Left Out: -0.046+/-0.078 χ^2/NDF:30.4/22

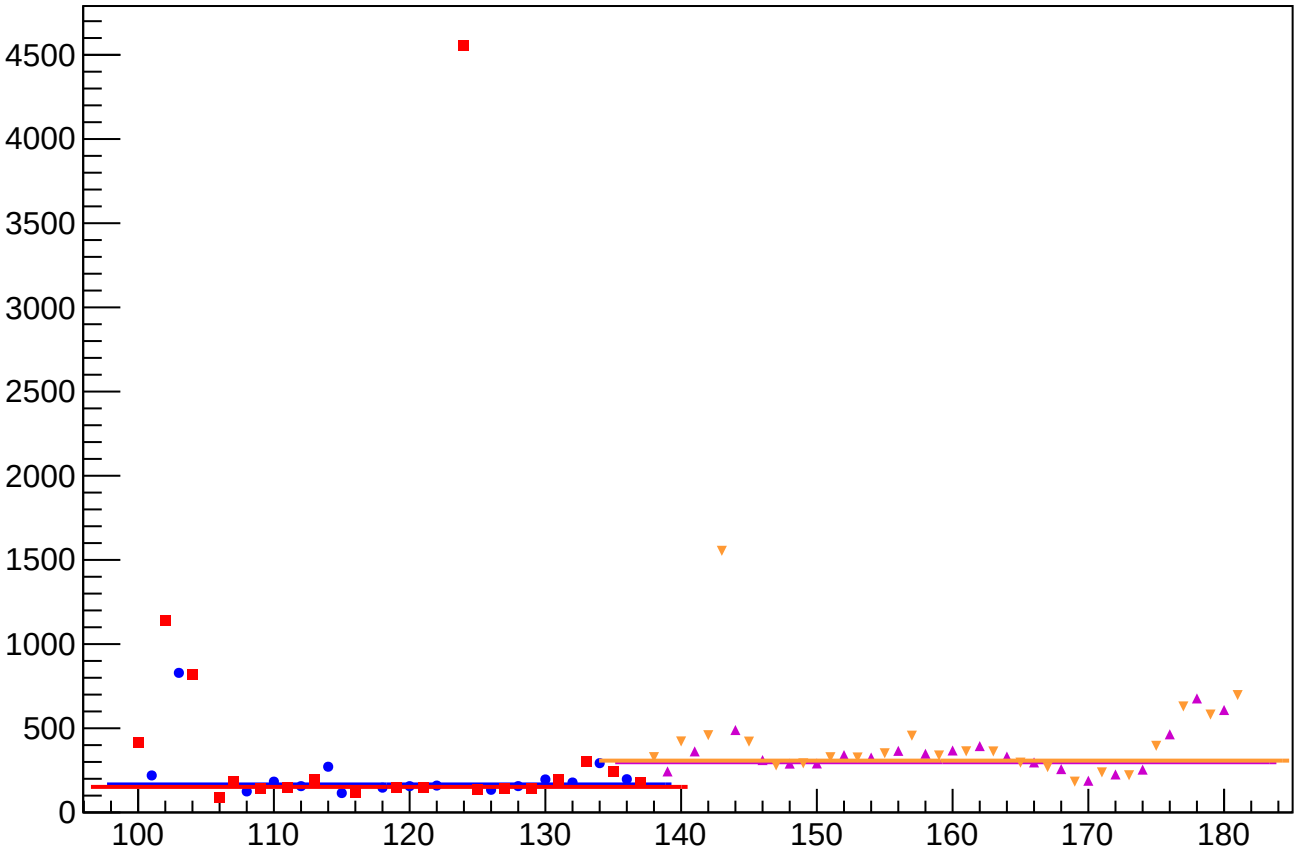
Right Out: -0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: 0.066+/-0.076 χ^2/NDF:29.8/20

+ sign -0.049+/-0.051 χ^2/NDF: 45.3/38

All: -0.018+/-0.035 χ^2/NDF: 104.2/78

- sign 0.011+/-0.049 χ^2/NDF: 58.2/39



Right In: 166.359+/-0.047 χ^2/NDF: 1282724.2/15

Left Out: 307.852+/-0.055 χ^2/NDF:4151649.6/22

Right Out: 151.790+/-0.045 χ^2/NDF: 2315641.8/18

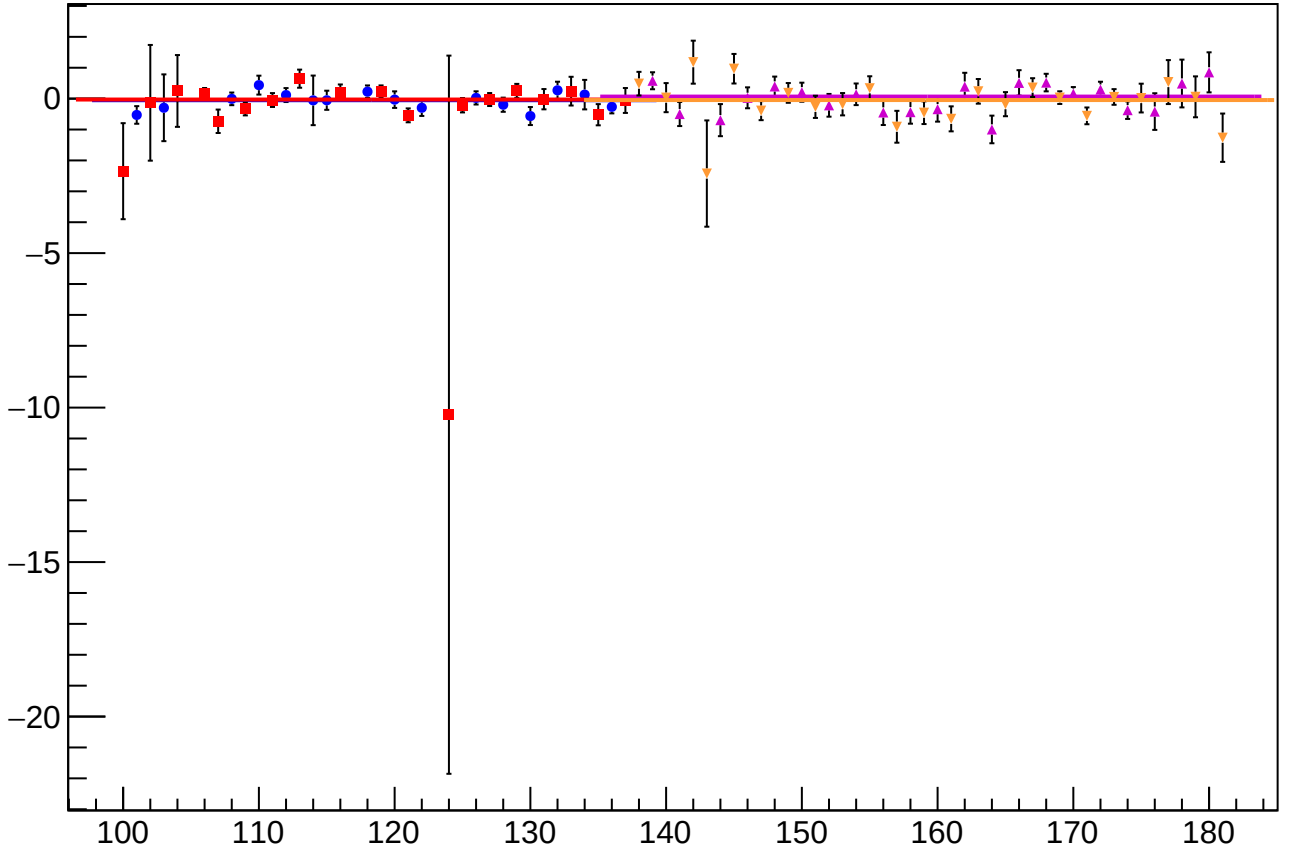
Left In: 298.287+/-0.054 χ^2/NDF:2587079.3/20

+ sign 226.262+/-0.036 χ^2/NDF: 9241514.9/38

All: 219.163+/-0.025 χ^2/NDF: 18561930.3/78

- sign 212.528+/-0.035 χ^2/NDF: 9244470.4/39

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: -0.046+/-0.078 χ^2/NDF:30.4/22

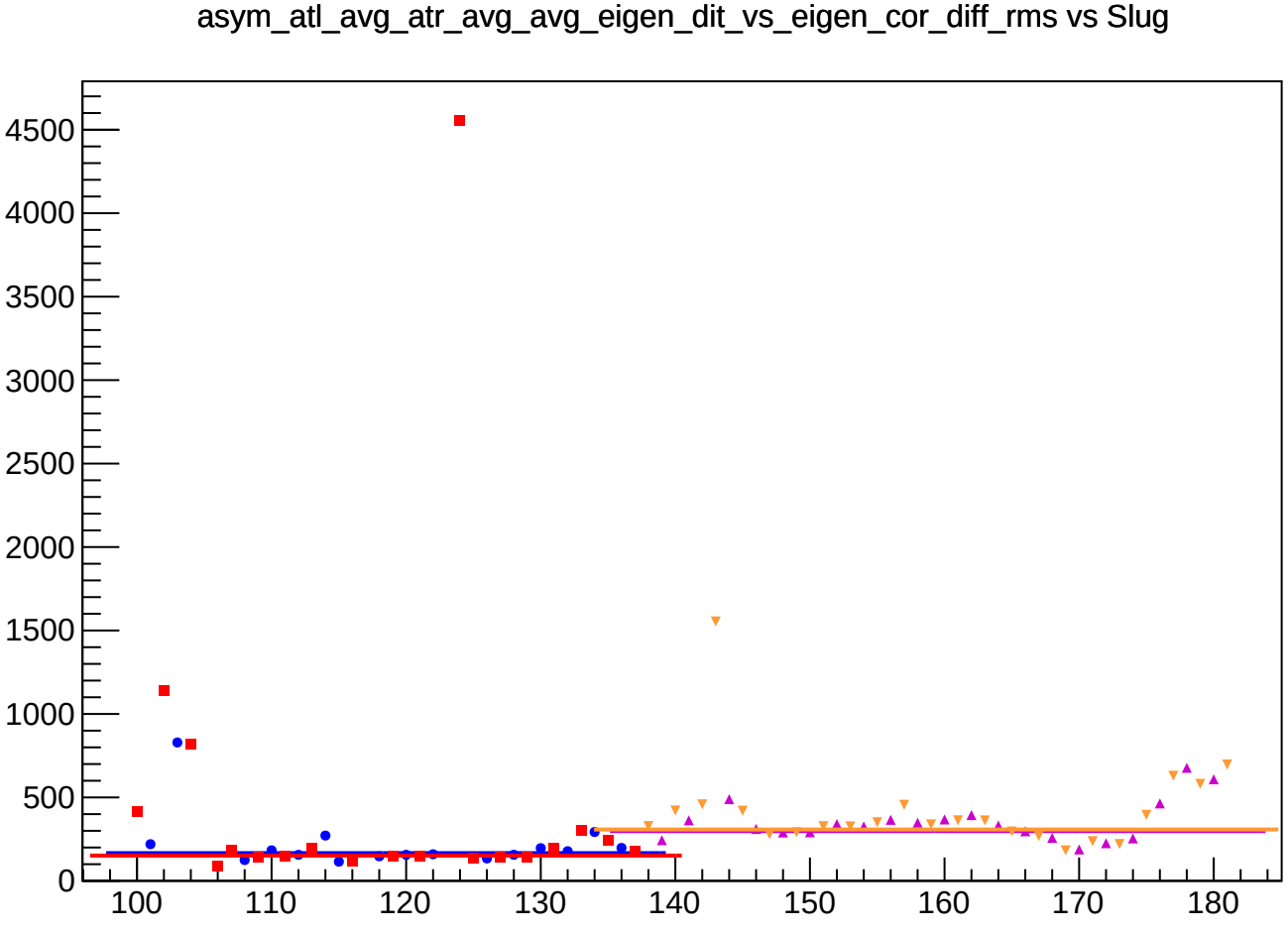
Right Out: -0.029+/-0.064 χ^2/NDF: 27.5/18

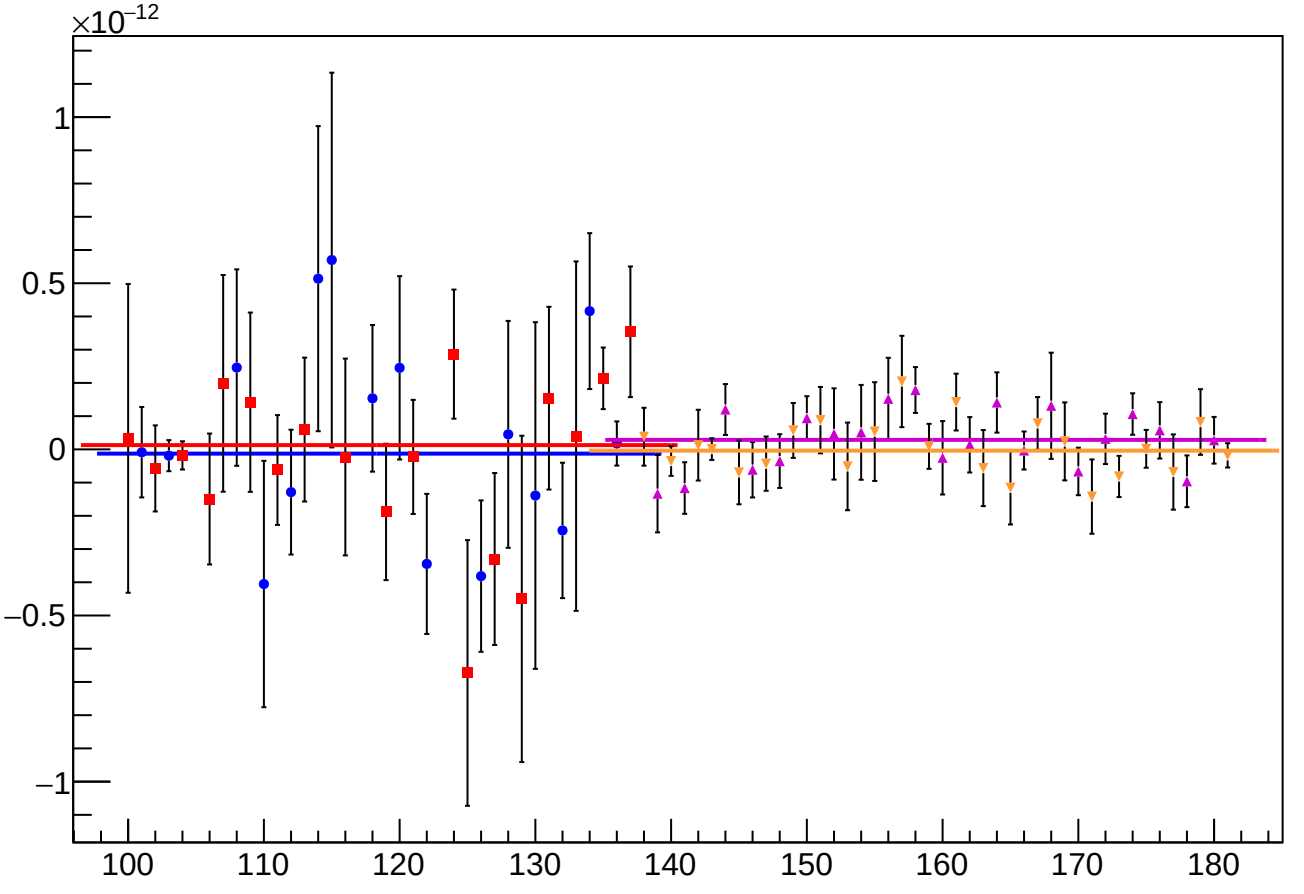
Left In: 0.066+/-0.076 χ^2/NDF:29.8/20

+ sign -0.049+/-0.051 χ^2/NDF: 45.3/38

All: -0.018+/-0.035 χ^2/NDF: 104.2/78

- sign 0.011+/-0.049 χ^2/NDF: 58.2/39


asym_atl_avg_atr_avg_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: 166.359+/-0.047 χ²/NDF: 1282724.2/15
Left Out: 307.852+/-0.055 χ²/NDF:4151649.6/22
Right Out: 151.790+/-0.045 χ²/NDF: 2315641.8/18
Left In: 298.287+/-0.054 χ²/NDF:2587079.3/20
+ sign 226.262+/-0.036 χ²/NDF: 9241514.9/38
All: 219.163+/-0.025 χ²/NDF: 18561930.3/78
- sign 212.528+/-0.035 χ²/NDF: 9244470.4/39



Right In: -0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.1/22

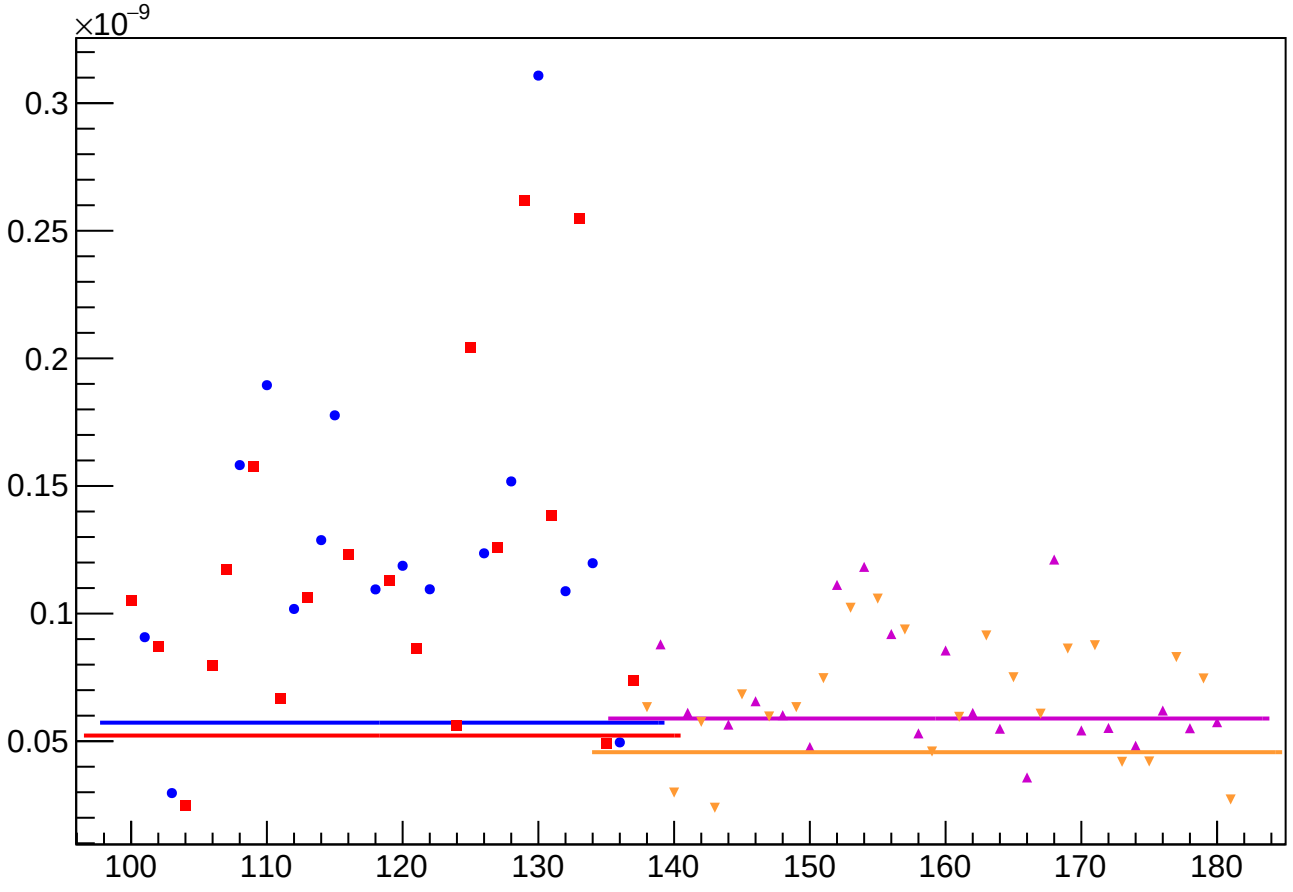
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: 0.000+/-0.000 χ^2/NDF:23.9/20

+ sign -0.000+/-0.000 χ^2/NDF: 31.3/38

All: 0.000+/-0.000 χ^2/NDF: 76.4/78

- sign 0.000+/-0.000 χ^2/NDF: 43.0/39



Right In: 0.000+/-0.000 χ^2/NDF: 2983121.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:4641502.2/22

Right Out: 0.000+/-0.000 χ^2/NDF: 3287828.4/18

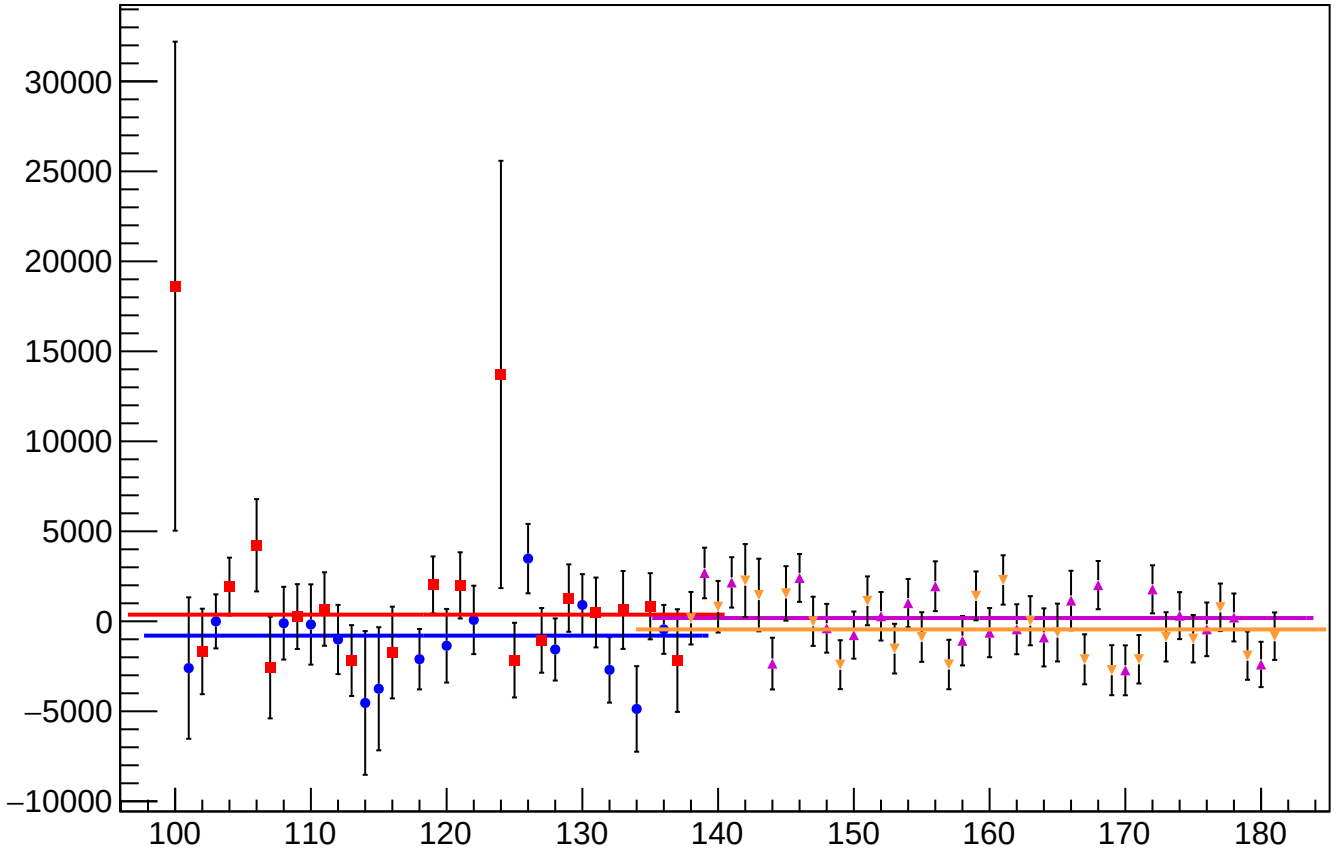
Left In: 0.000+/-0.000 χ^2/NDF:1825982.2/20

+ sign 0.000+/-0.000 χ^2/NDF: 7830712.2/38

All: 0.000+/-0.000 χ^2/NDF: 13455952.5/78

- sign 0.000+/-0.000 χ^2/NDF: 5181825.8/39

reg_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -797.285+/-487.453 χ^2/NDF: 13.4/15

Left Out: -450.113+/-295.142 χ^2/NDF:25.7/22

Right Out: 370.010+/-485.826 χ^2/NDF: 15.6/18

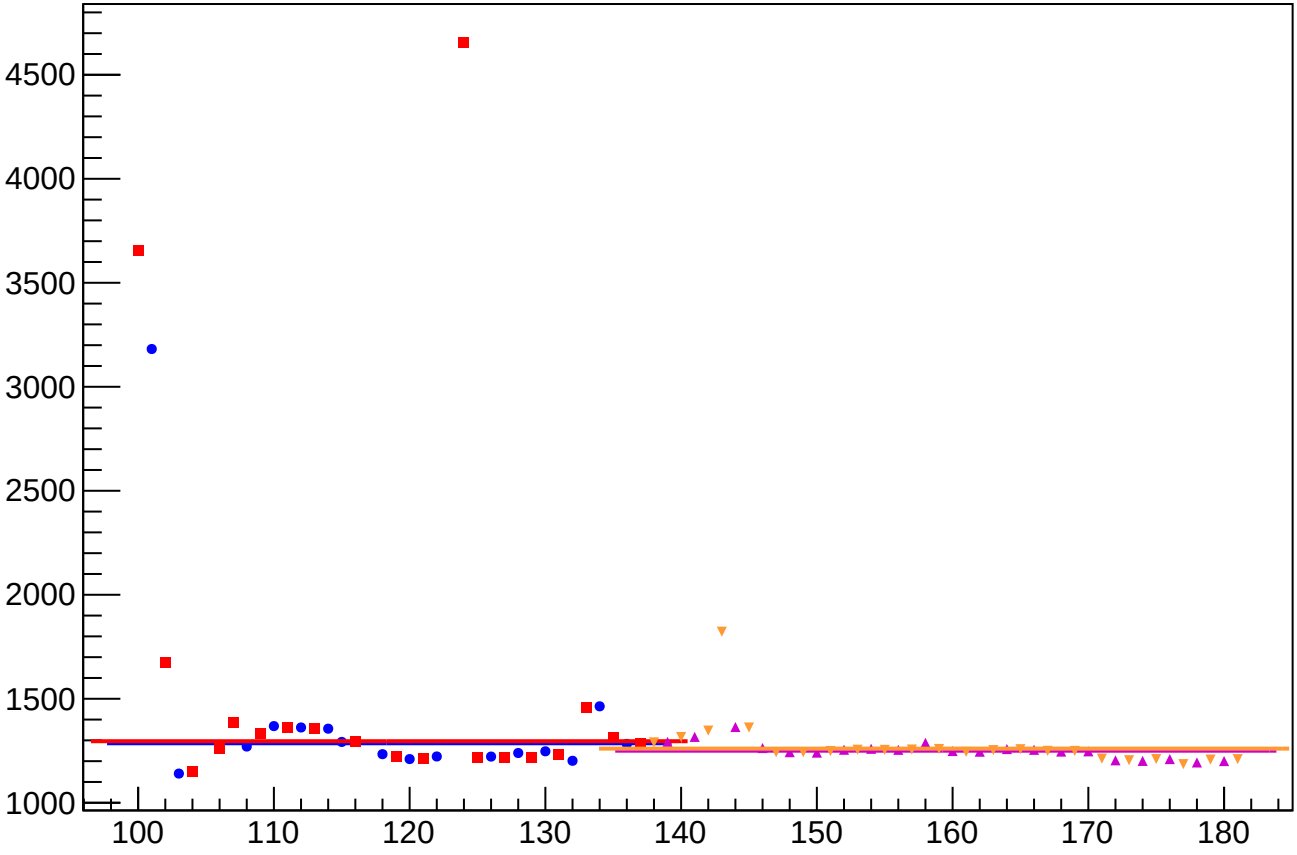
Left In: 181.078+/-301.163 χ^2/NDF:28.0/20

+ sign -543.245+/-252.470 χ^2/NDF: 39.4/38

All: -160.208+/-179.748 χ^2/NDF: 87.9/78

- sign 233.526+/-255.971 χ^2/NDF: 43.8/39

reg_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1286.097+/-0.345 χ^2/NDF: 518126.9/15

Left Out: 1260.308+/-0.209 χ^2/NDF:194520.5/22

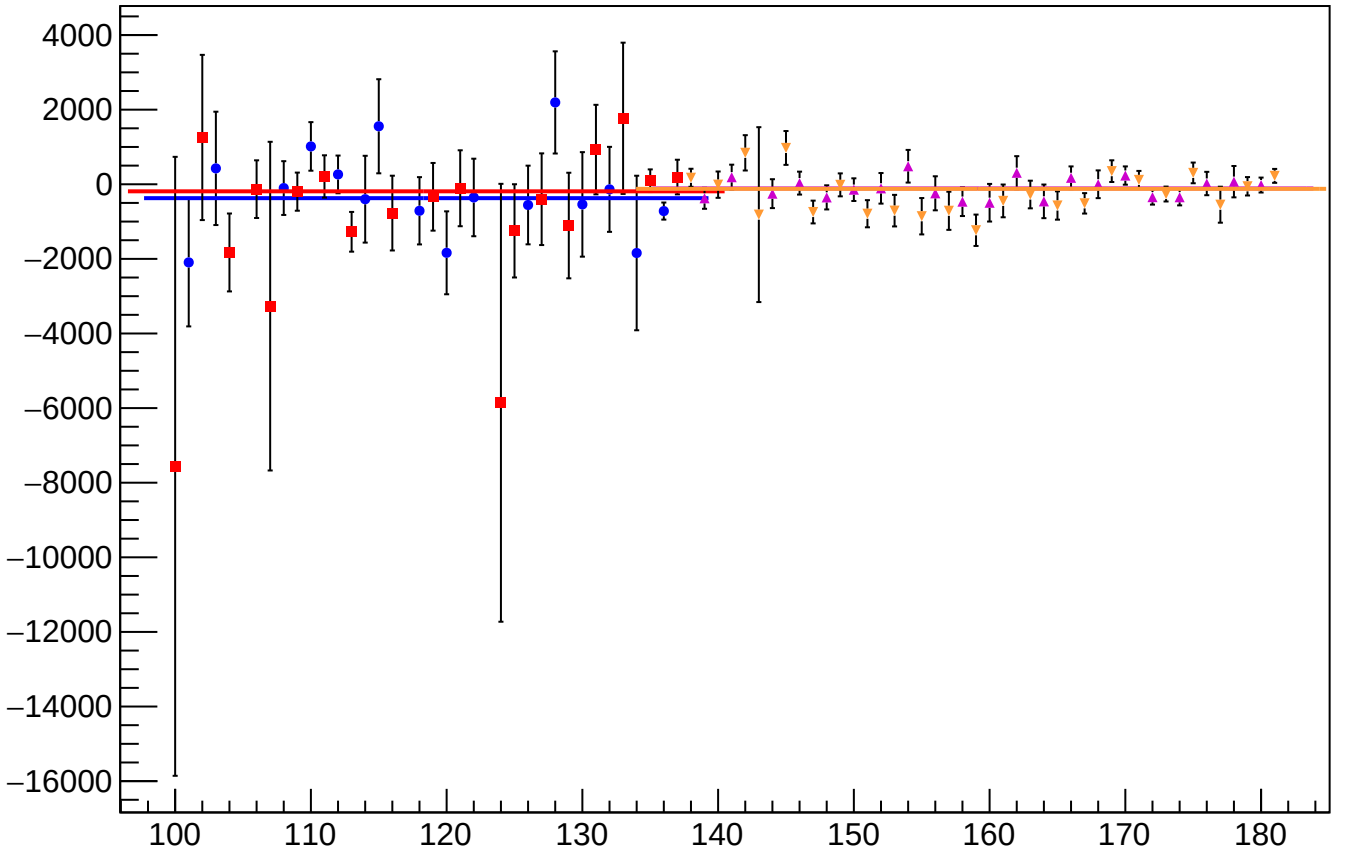
Right Out: 1295.943+/-0.344 χ^2/NDF: 328069.9/18

Left In: 1250.362+/-0.213 χ^2/NDF:34431.3/20

+ sign 1267.226+/-0.179 χ^2/NDF: 716743.6/38

All: 1265.150+/-0.127 χ^2/NDF: 1092236.8/78

- sign 1263.016+/-0.181 χ^2/NDF: 375218.8/39



Right In: -372.325+/-168.204 χ^2/NDF: 18.2/15

Left Out: -122.476+/-65.651 χ^2/NDF:46.7/22

Right Out: -188.945+/-169.575 χ^2/NDF: 14.6/18

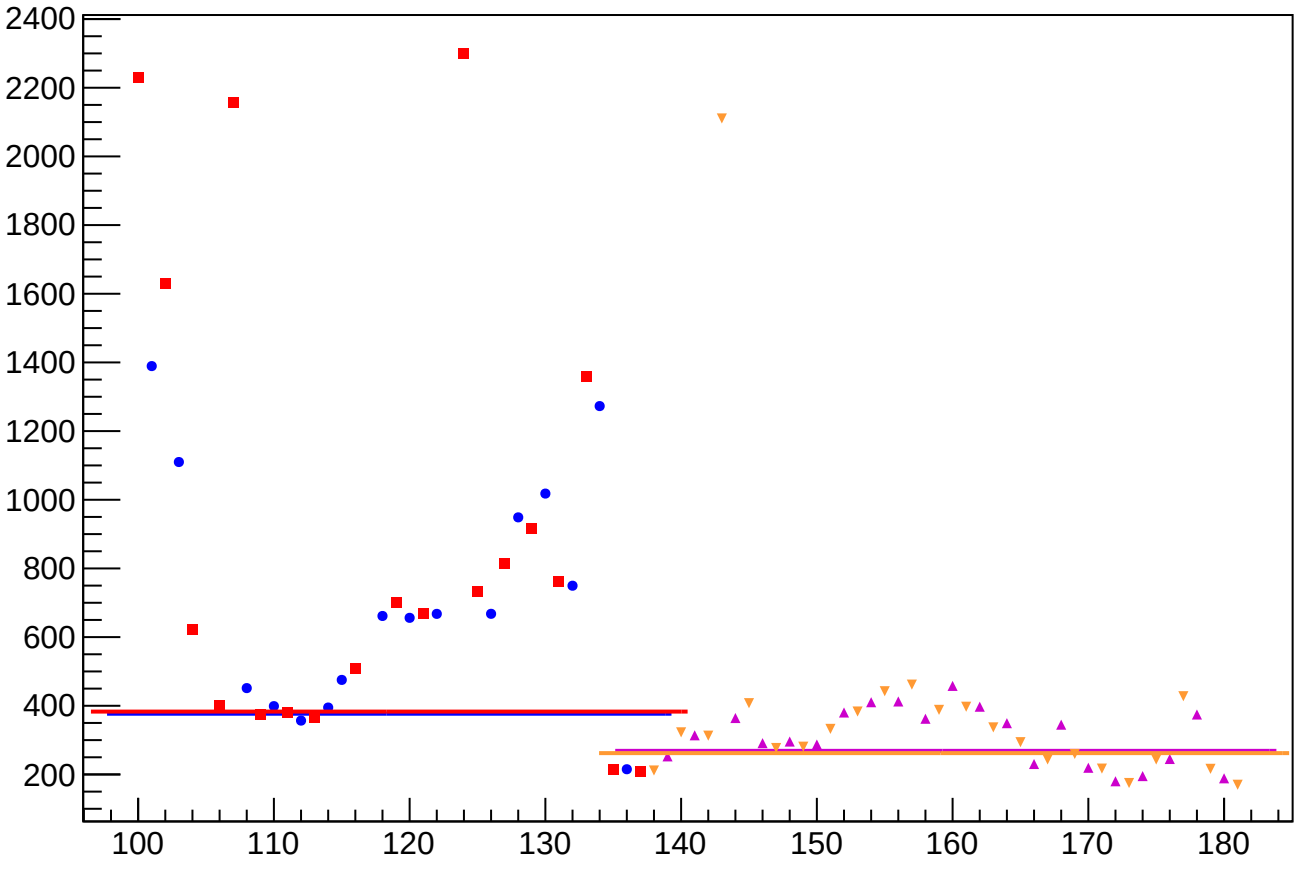
Left In: -112.029+/-67.902 χ^2/NDF:13.5/20

+ sign -155.506+/-61.157 χ^2/NDF: 66.8/38

All: -139.579+/-43.894 χ^2/NDF: 95.2/78

- sign -122.658+/-63.036 χ^2/NDF: 28.3/39

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: 262.119+/-0.046 χ^2/NDF:4172625.8/22

Right Out: 383.074+/-0.120 χ^2/NDF: 4054121.5/18

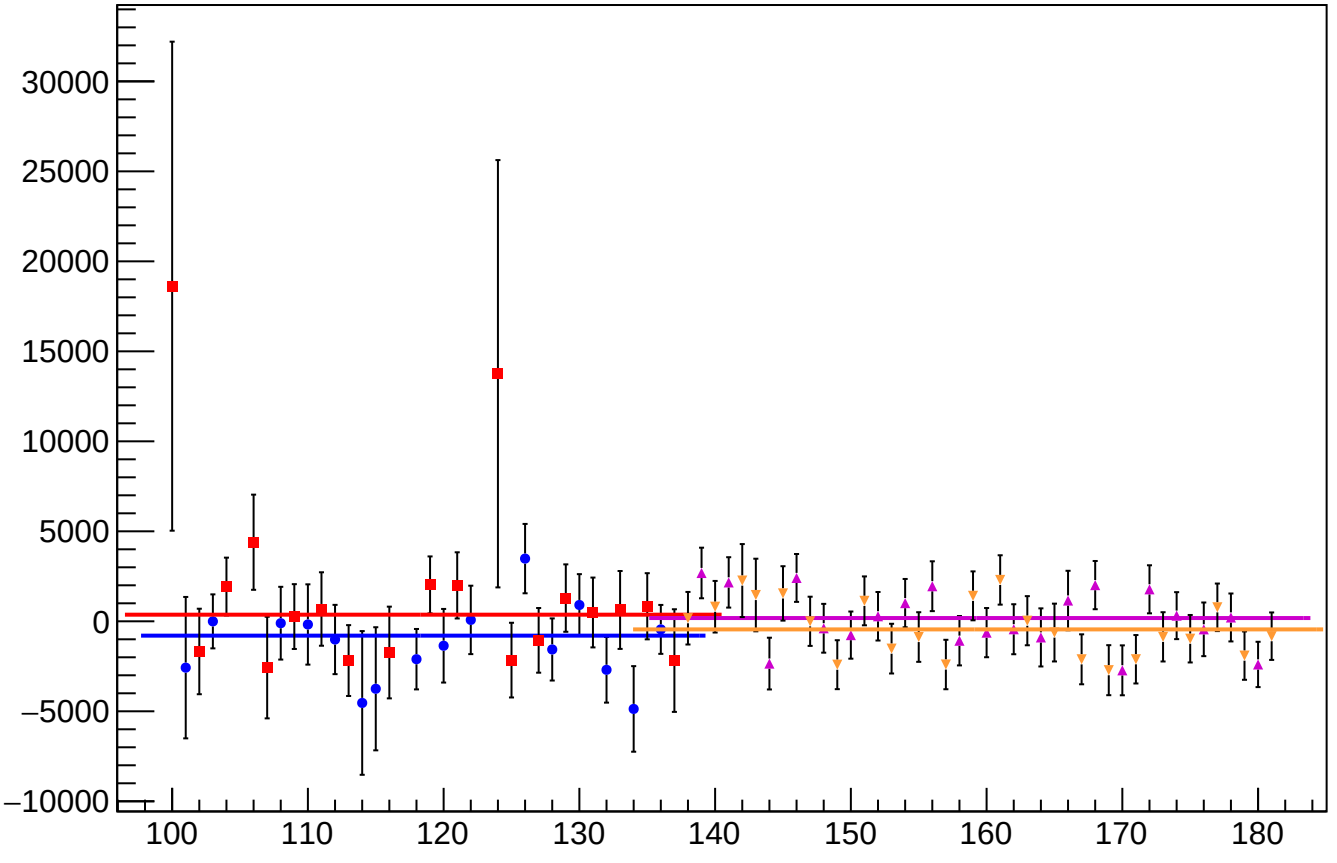
Left In: 268.718+/-0.048 χ^2/NDF:2652731.8/20

+ sign 277.292+/-0.043 χ^2/NDF: 9170912.0/38

All: 280.797+/-0.031 χ^2/NDF: 16675169.2/78

- sign 284.520+/-0.045 χ^2/NDF: 7490713.4/39

cor_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: -450.066+/-295.142 χ^2/NDF:25.7/22

Right Out: 367.476+/-486.348 χ^2/NDF: 15.7/18

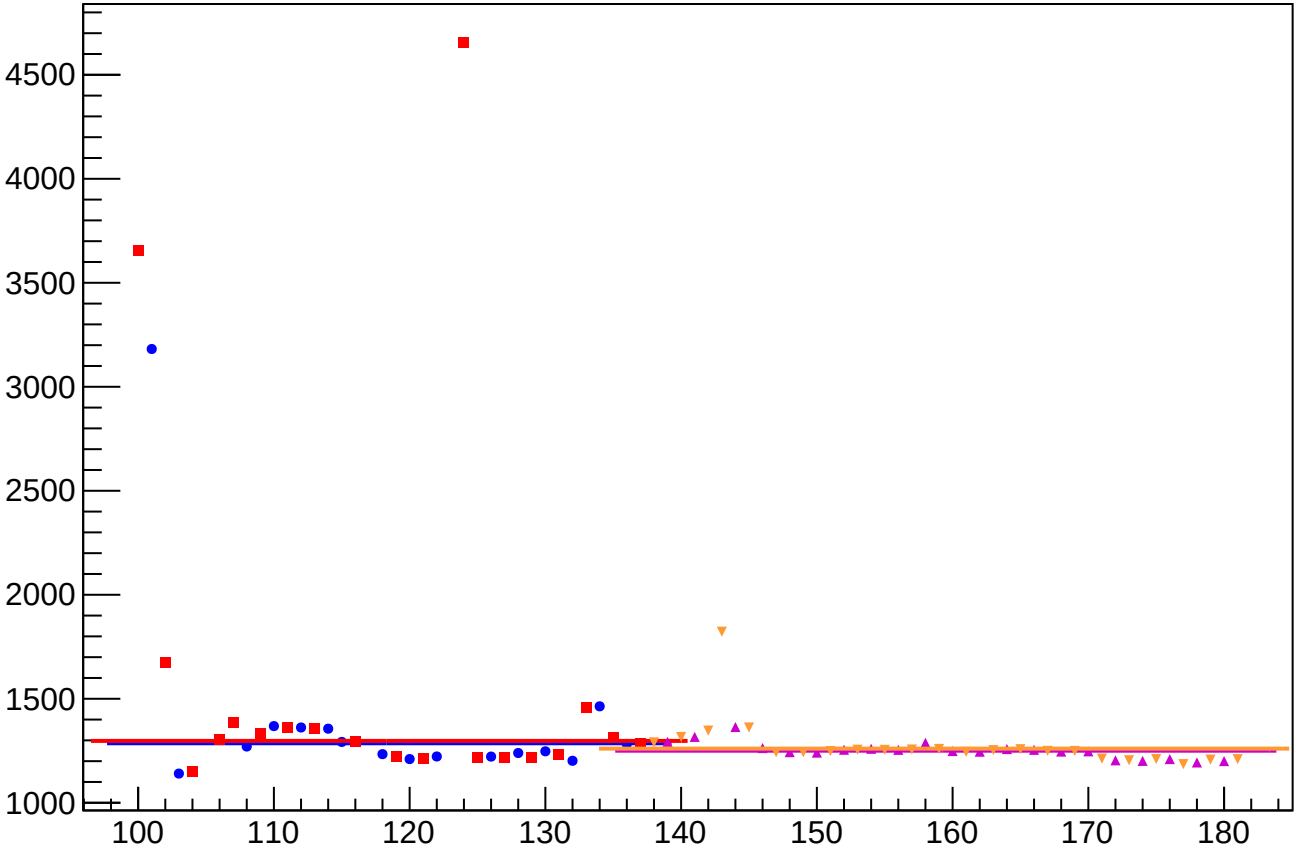
Left In: 181.049+/-301.163 χ^2/NDF:28.0/20

+ sign -543.103+/-252.470 χ^2/NDF: 39.4/38

All: -160.648+/-179.775 χ^2/NDF: 87.9/78

- sign 232.721+/-256.047 χ^2/NDF: 43.8/39

cor_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1260.308+/-0.209 χ^2/NDF:194520.4/22

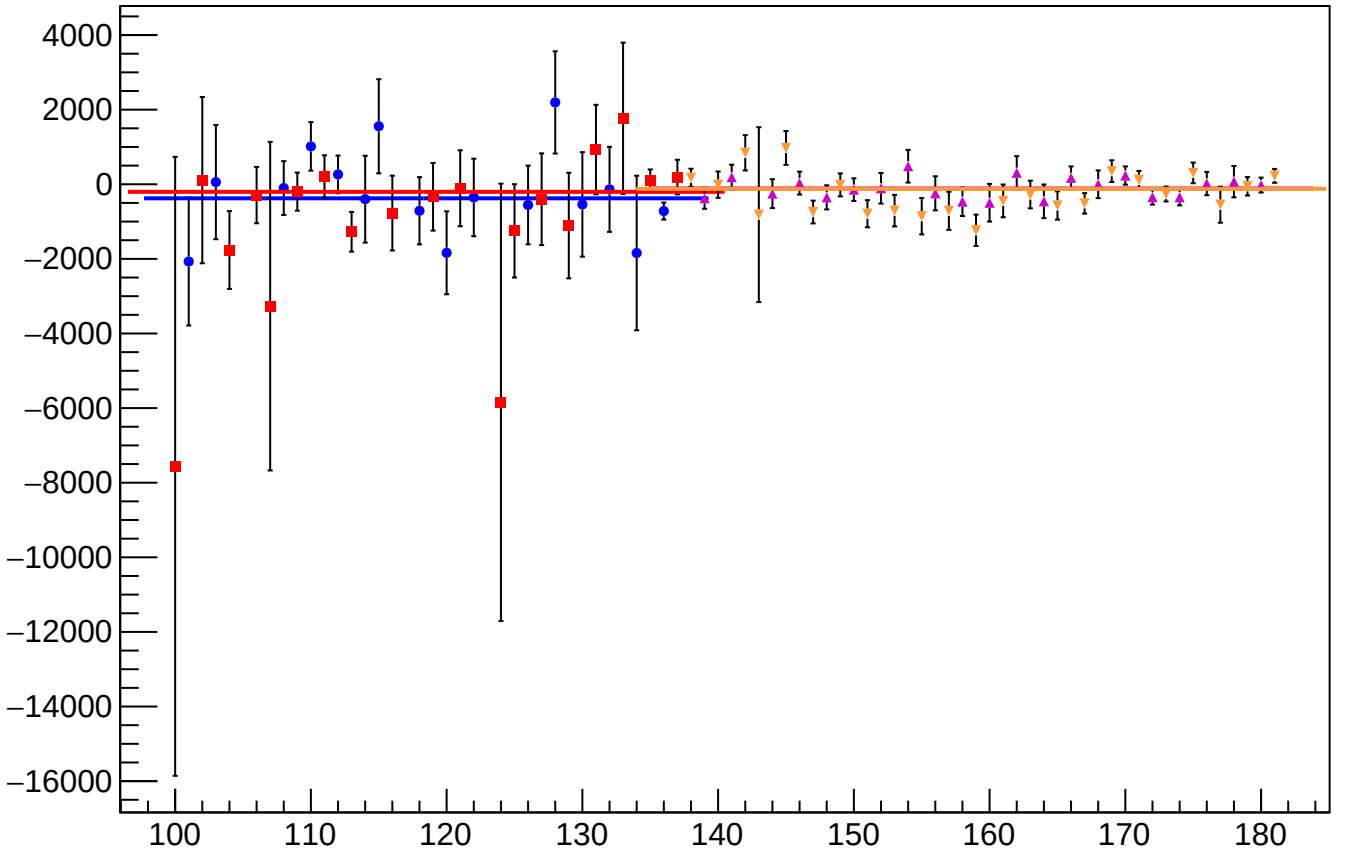
Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1250.362+/-0.213 χ^2/NDF:34431.2/20

+ sign 1267.226+/-0.179 χ^2/NDF: 716745.0/38

All: 1265.339+/-0.127 χ^2/NDF: 1092663.9/78

- sign 1263.398+/-0.181 χ^2/NDF: 375692.2/39



Right In: -376.771+/-168.223 χ^2/NDF: 17.9/15

Left Out: -122.454+/-65.652 χ^2/NDF:46.7/22

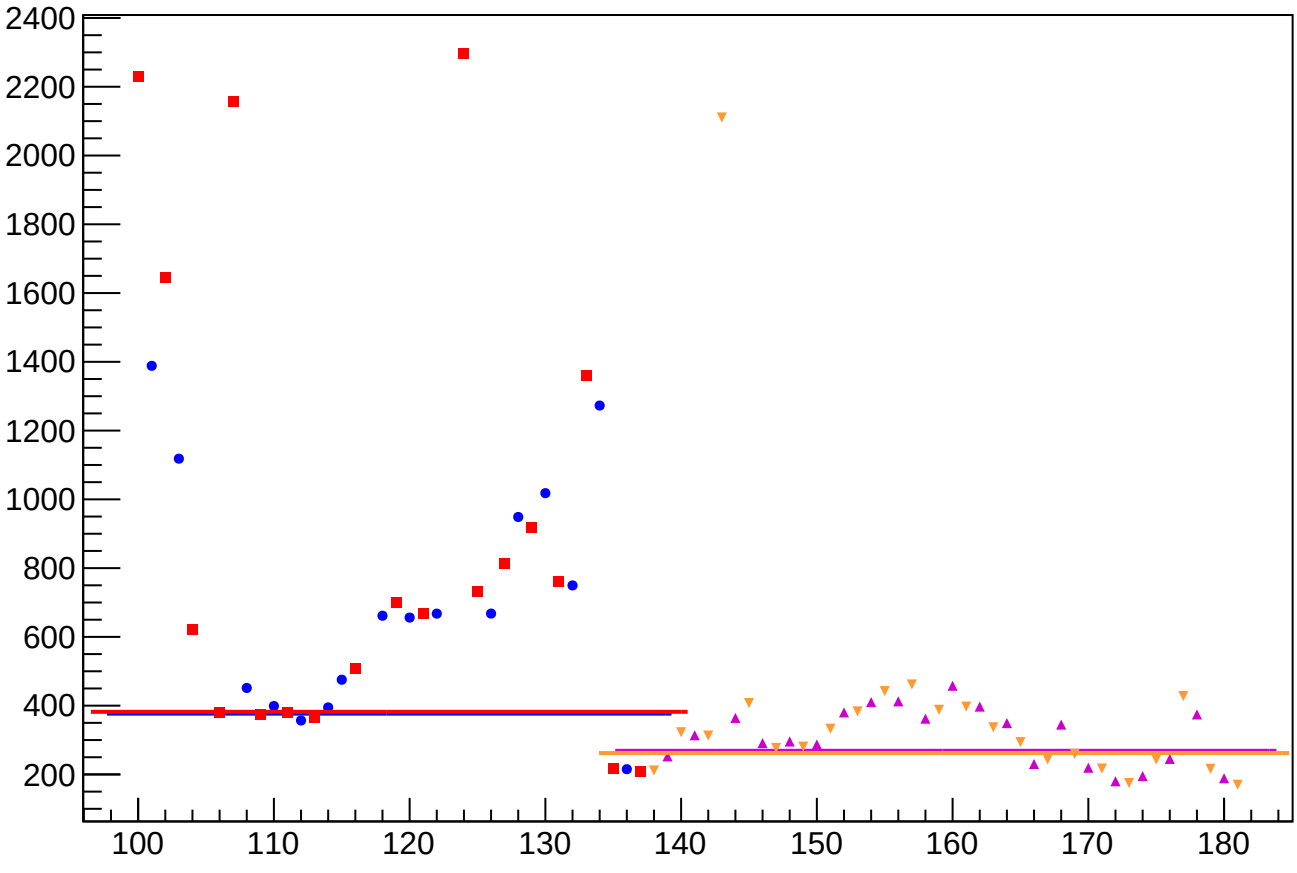
Right Out: -202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: -112.147+/-67.904 χ^2/NDF:13.4/20

+ sign -156.069+/-61.159 χ^2/NDF: 66.6/38

All: -140.812+/-43.892 χ^2/NDF: 94.5/78

- sign -124.609+/-63.027 χ^2/NDF: 27.7/39



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 262.125+/-0.046 χ^2/NDF:4172619.8/22

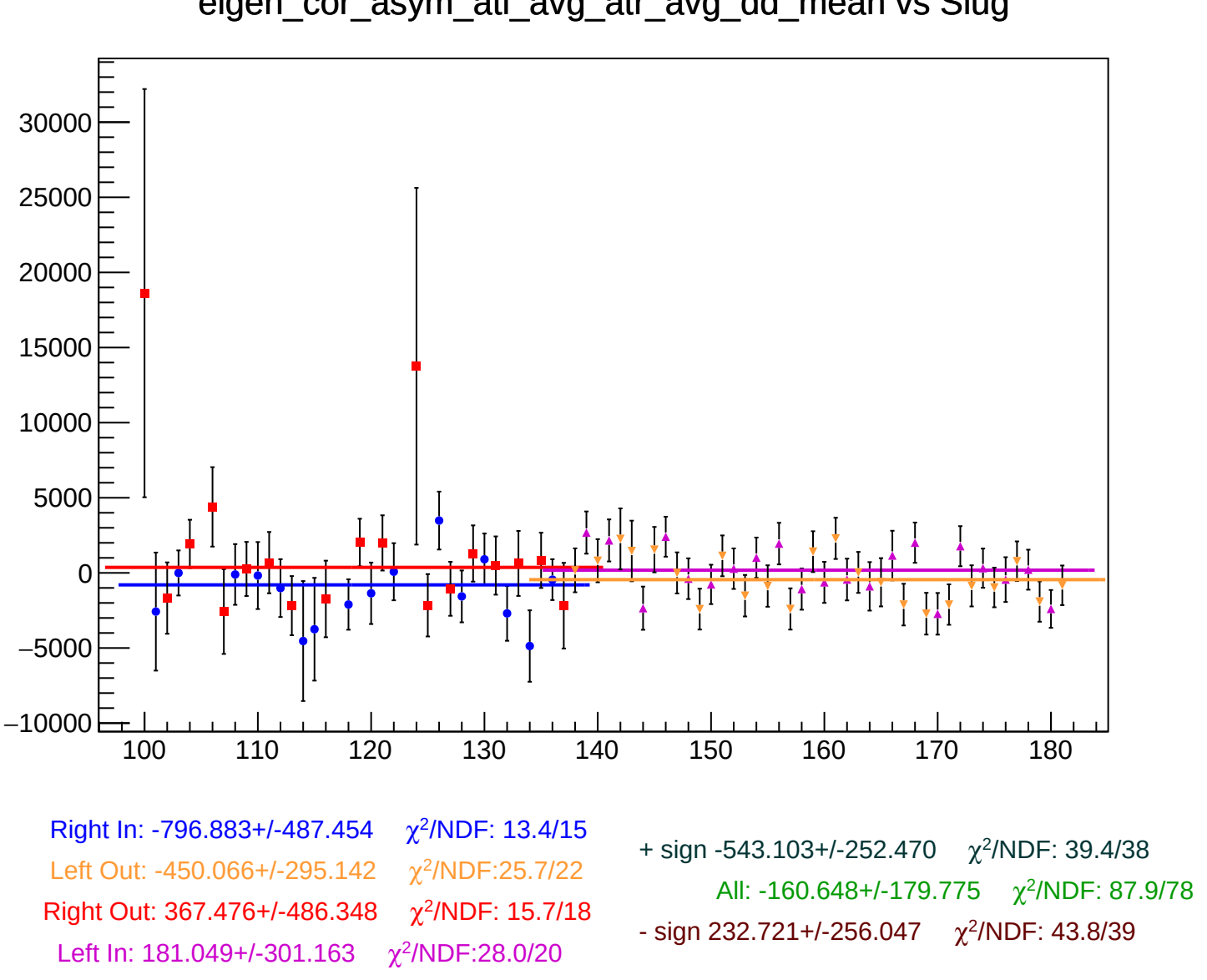
Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 268.727+/-0.048 χ^2/NDF:2652422.5/20

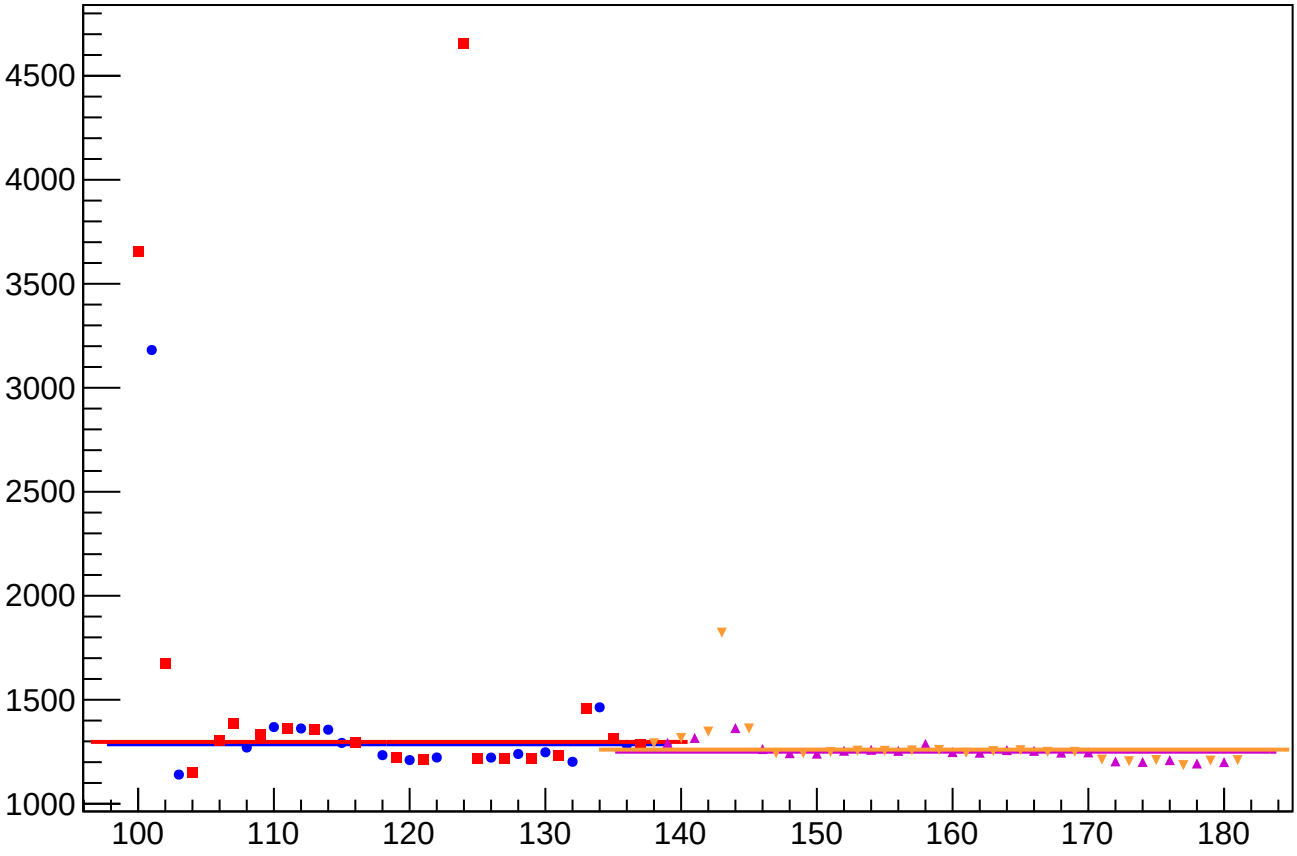
+ sign 277.293+/-0.043 χ^2/NDF: 9173672.6/38

All: 280.754+/-0.031 χ^2/NDF: 16671385.5/78

- sign 284.430+/-0.045 χ^2/NDF: 7484504.9/39


eigen_cor_asym_atl_avg_atr_avg_dd_mean vs Slug
30000
25000
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
180
Right In: -796.883+/-487.454 χ²/NDF: 13.4/15
Left Out: -450.066+/-295.142 χ²/NDF:25.7/22
Right Out: 367.476+/-486.348 χ²/NDF: 15.7/18
Left In: 181.049+/-301.163 χ²/NDF:28.0/20
+ sign -543.103+/-252.470 χ²/NDF: 39.4/38
All: -160.648+/-179.775 χ²/NDF: 87.9/78
- sign 232.721+/-256.047 χ²/NDF: 43.8/39

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: 1260.308+/-0.209 χ^2/NDF:194520.4/22

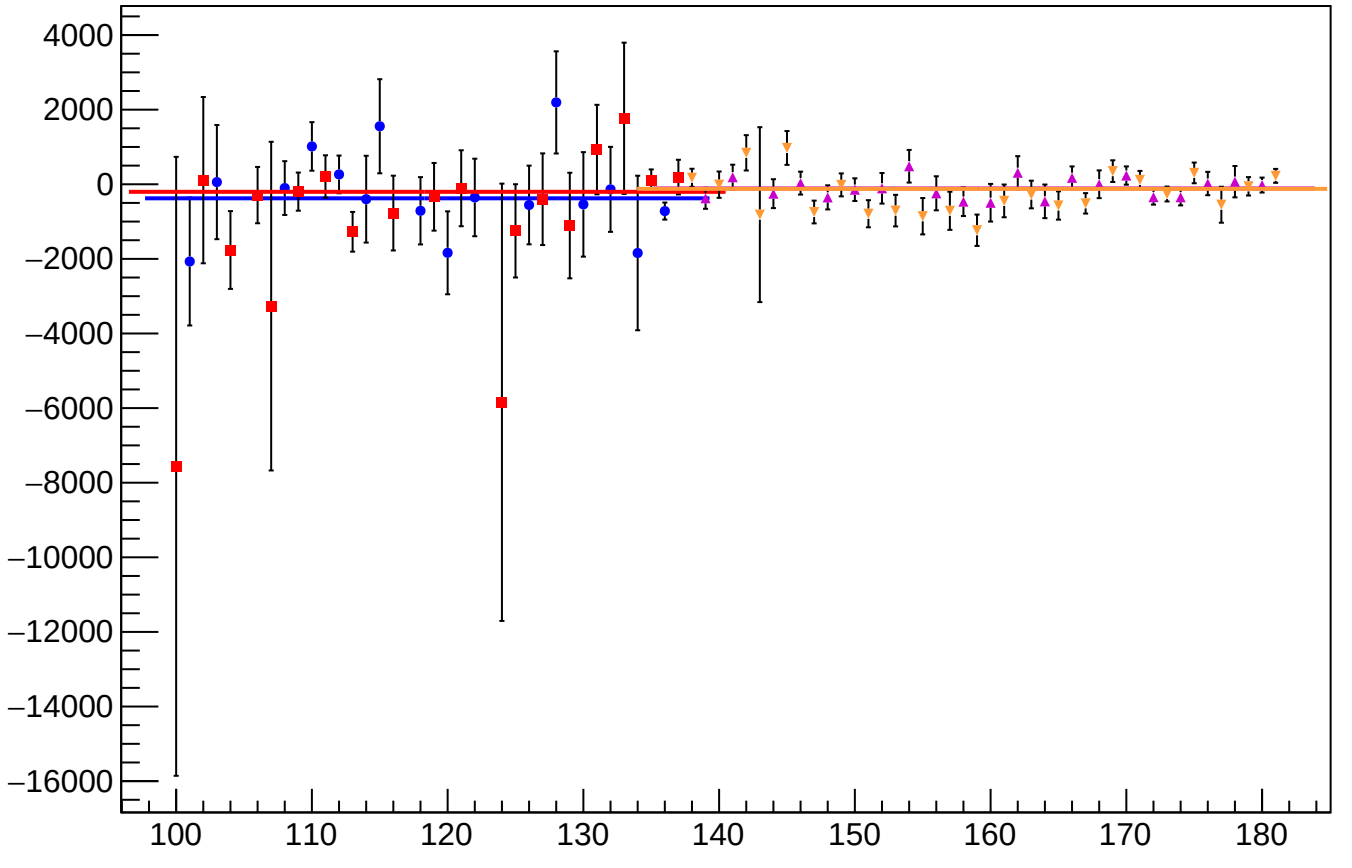
Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1250.362+/-0.213 χ^2/NDF:34431.2/20

+ sign 1267.226+/-0.179 χ^2/NDF: 716745.0/38

All: 1265.339+/-0.127 χ^2/NDF: 1092663.9/78

- sign 1263.398+/-0.181 χ^2/NDF: 375692.2/39



Right In: -376.771+/-168.223 χ^2/NDF: 17.9/15

Left Out: -122.454+/-65.652 χ^2/NDF:46.7/22

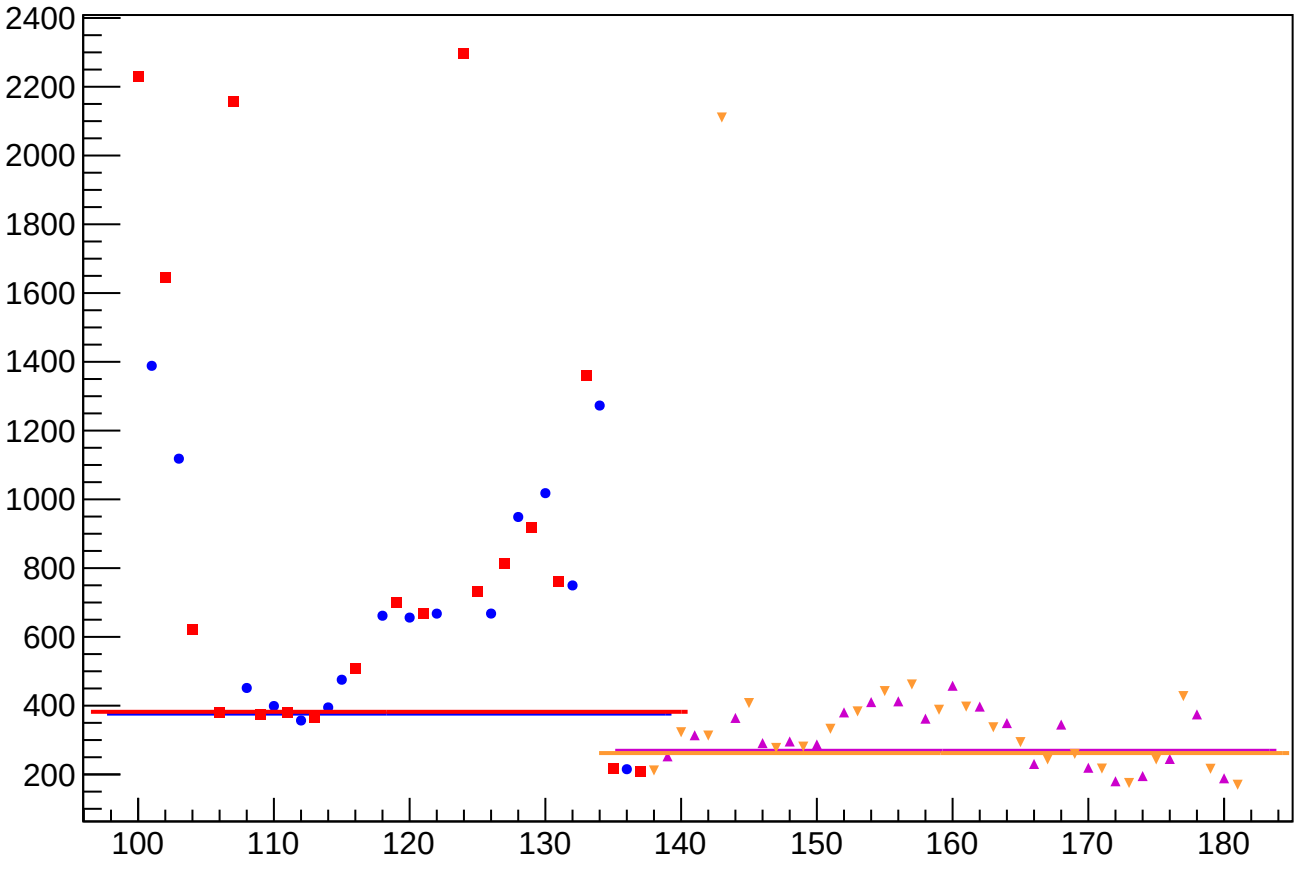
Right Out: -202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: -112.147+/-67.904 χ^2/NDF:13.4/20

+ sign -156.069+/-61.159 χ^2/NDF: 66.6/38

All: -140.812+/-43.892 χ^2/NDF: 94.5/78

- sign -124.609+/-63.027 χ^2/NDF: 27.7/39



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 262.125+/-0.046 χ^2/NDF:4172619.8/22

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

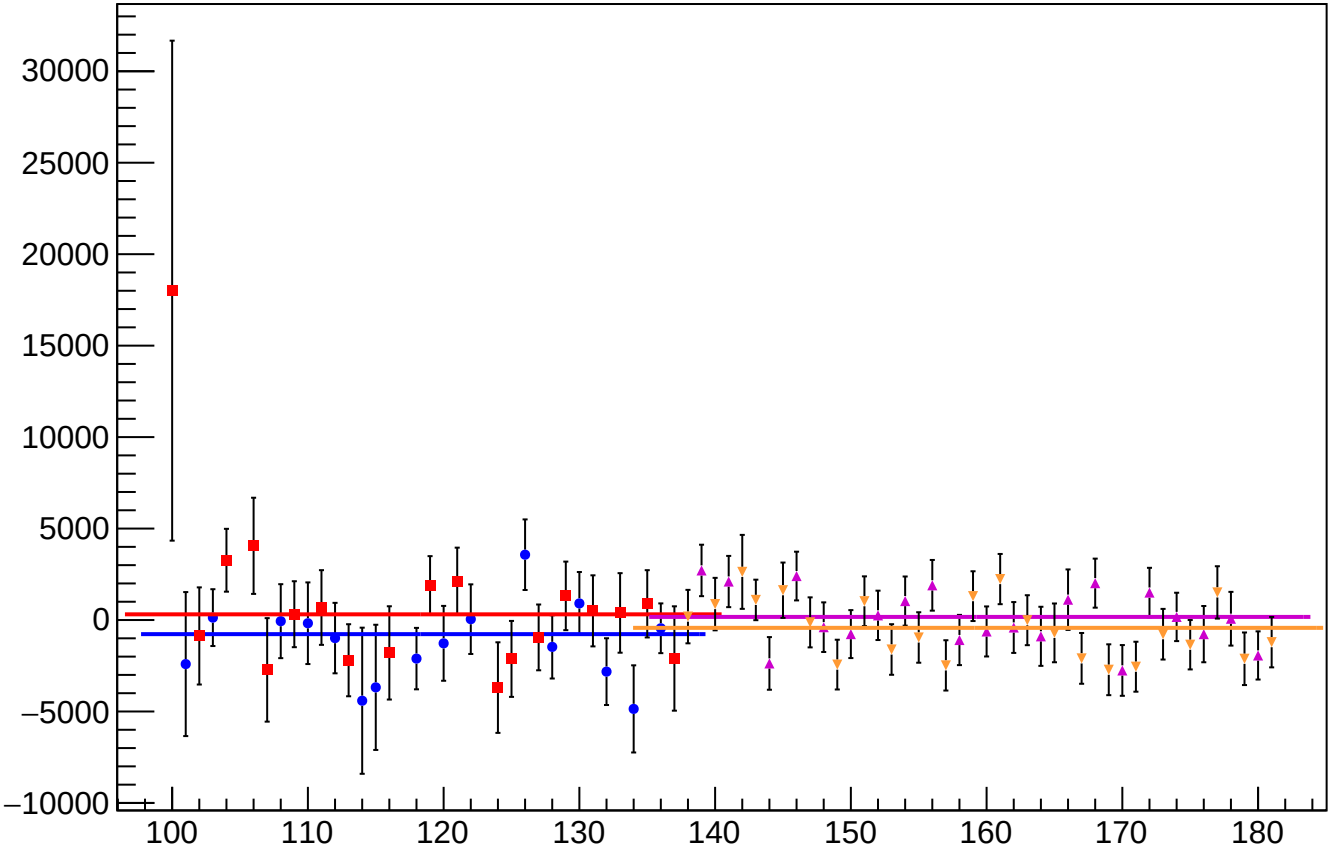
Left In: 268.727+/-0.048 χ^2/NDF:2652422.5/20

+ sign 277.293+/-0.043 χ^2/NDF: 9173672.6/38

All: 280.754+/-0.031 χ^2/NDF: 16671385.5/78

- sign 284.430+/-0.045 χ^2/NDF: 7484504.9/39

dit_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -771.499+/-489.602 χ^2/NDF: 13.6/15

Left Out: -427.671+/-291.318 χ^2/NDF:29.7/22

Right Out: 311.418+/-482.642 χ^2/NDF: 17.9/18

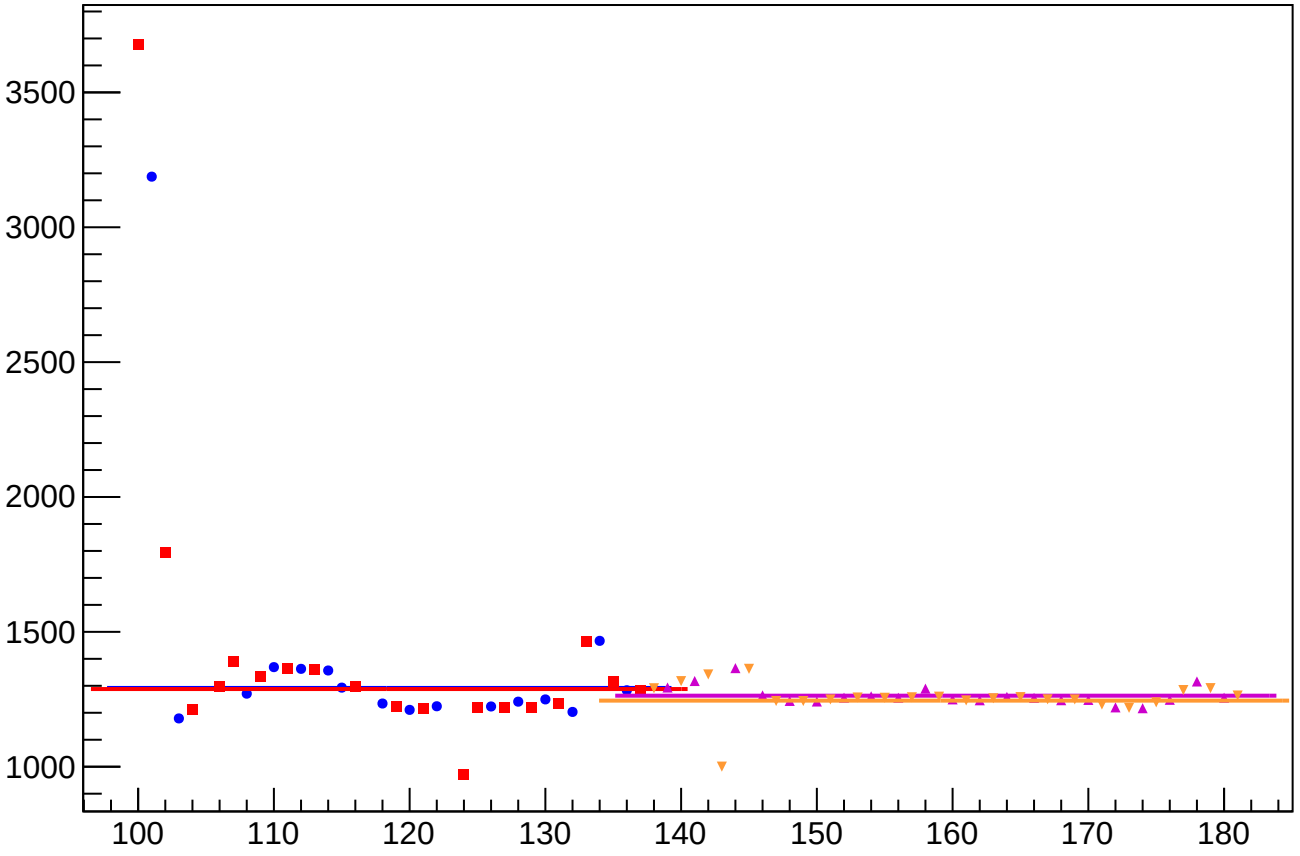
Left In: 170.087+/-304.260 χ^2/NDF:26.1/20

\+ sign -517.570+/-250.353 χ^2/NDF: 43.7/38

All: -163.724+/-179.461 χ^2/NDF: 91.9/78

\- sign 210.280+/-257.385 χ^2/NDF: 44.1/39

dit_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.3/15

Left Out: 1245.065+/-0.206 χ^2/NDF:127405.0/22

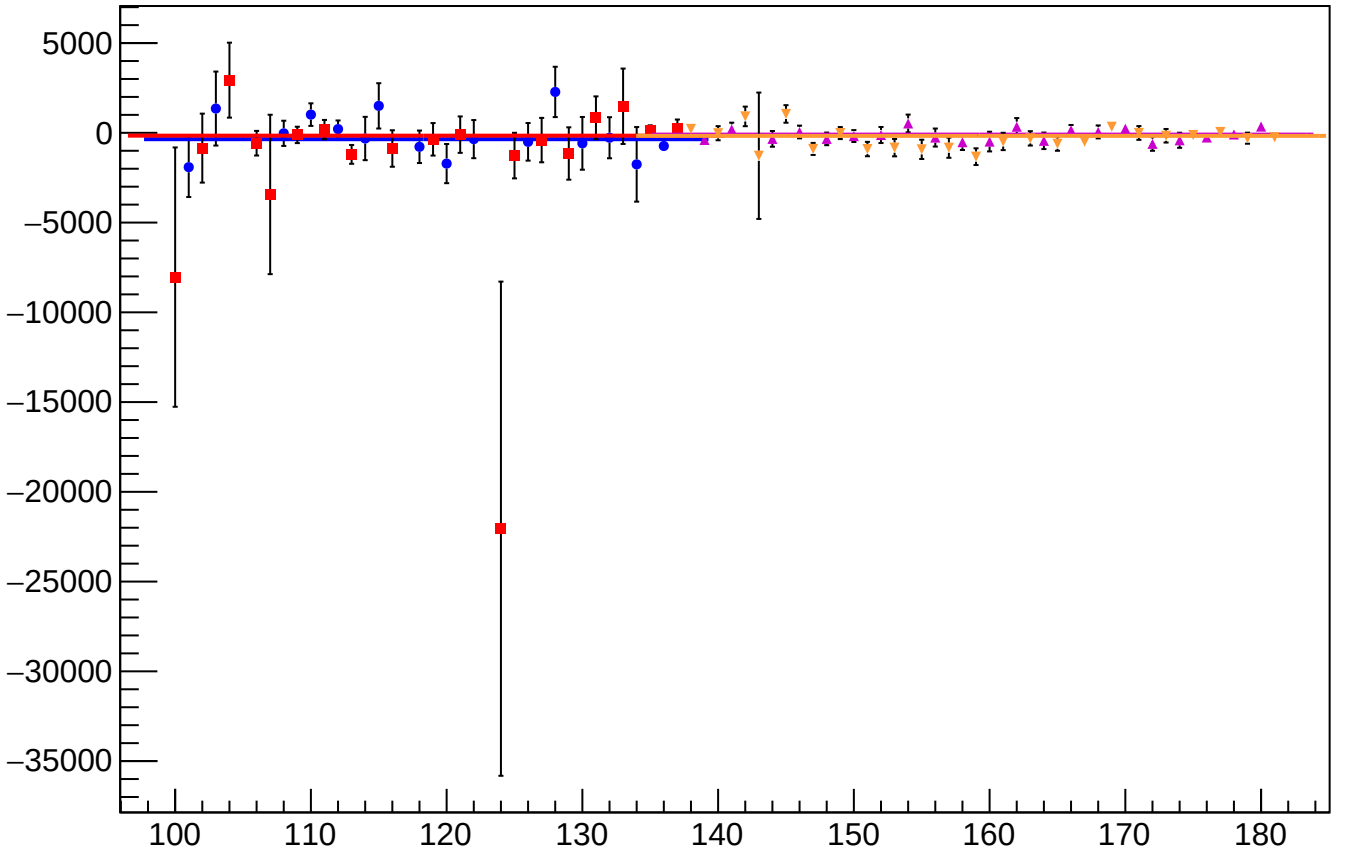
Right Out: 1287.988+/-0.341 χ^2/NDF: 209208.8/18

Left In: 1263.353+/-0.215 χ^2/NDF:24326.9/20

+ sign 1257.347+/-0.177 χ^2/NDF: 650407.0/38

All: 1263.673+/-0.127 χ^2/NDF: 890298.1/78

- sign 1270.359+/-0.182 χ^2/NDF: 237264.5/39



Right In: -355.226+/-169.971 χ^2/NDF: 18.4/15

Left Out: -168.765+/-65.544 χ^2/NDF:41.8/22

Right Out: -157.924+/-169.665 χ^2/NDF: 15.8/18

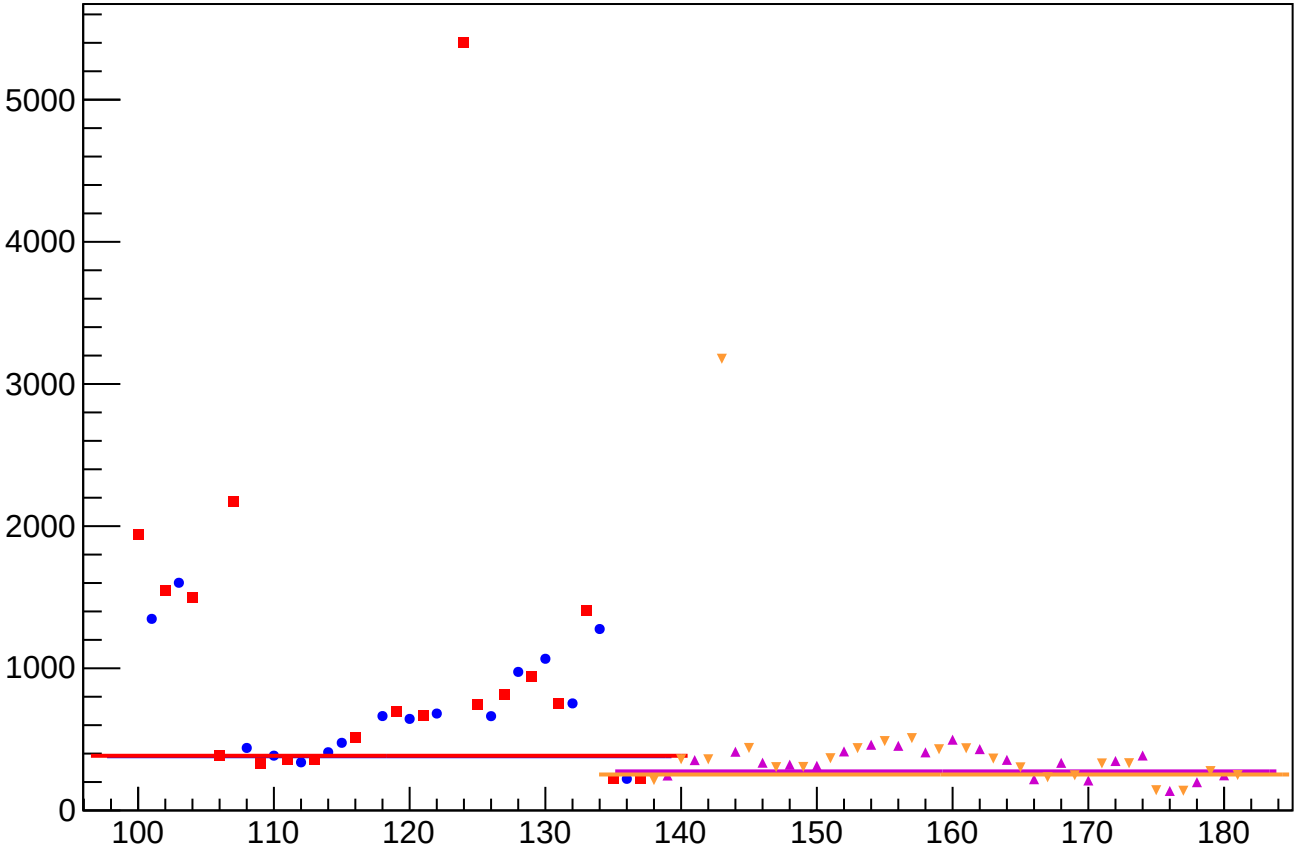
Left In: -99.779+/-70.880 χ^2/NDF:16.2/20

+ sign -192.903+/-61.154 χ^2/NDF: 61.3/38

All: -153.493+/-44.669 χ^2/NDF: 94.3/78

- sign -108.419+/-65.402 χ^2/NDF: 32.2/39

asym_atl_avg_atr_avg_dd_dit_correction_rms vs Slug



Right In: 381.349+/-0.120 χ^2/NDF: 4317922.6/15

Left Out: 253.005+/-0.046 χ^2/NDF:6290402.9/22

Right Out: 384.651+/-0.120 χ^2/NDF: 4560208.6/18

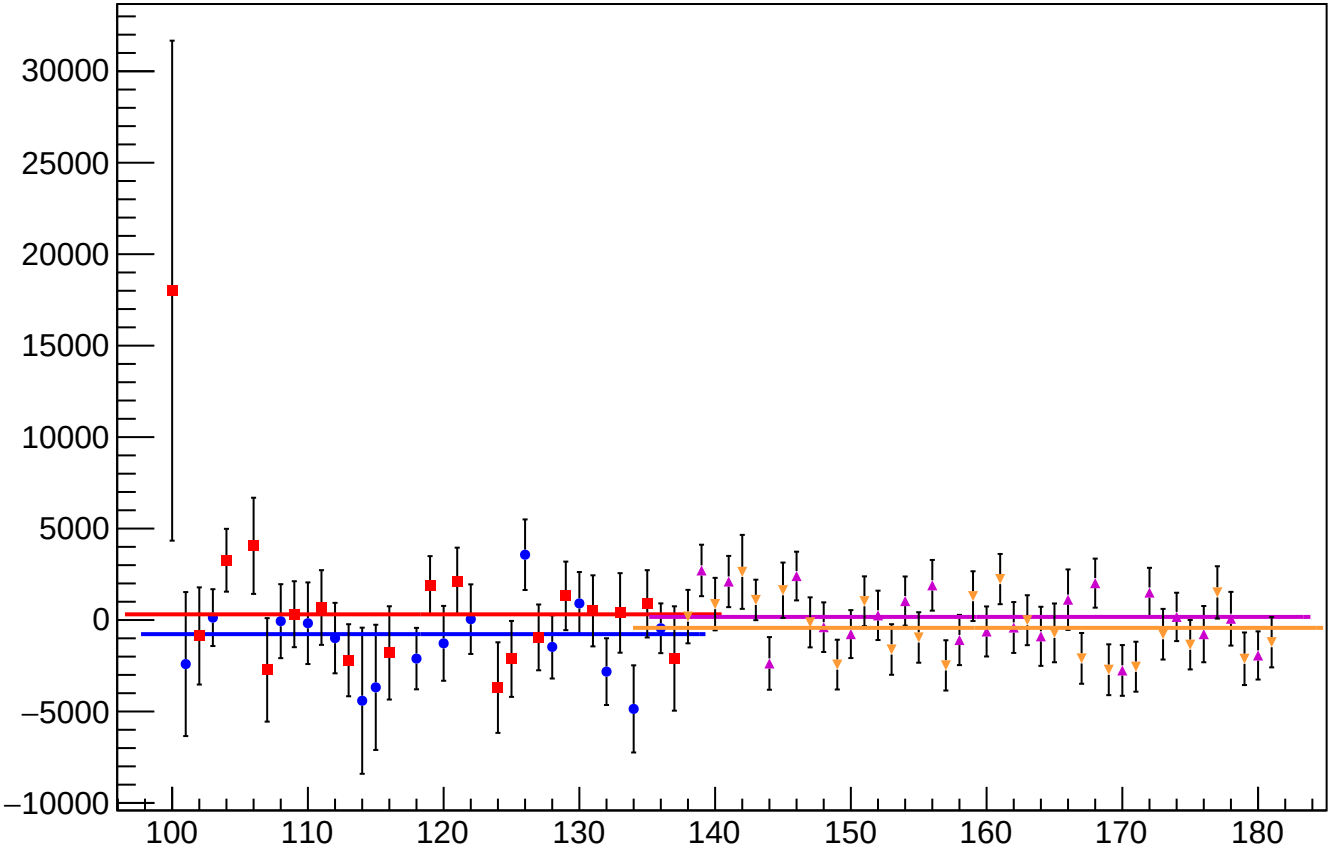
Left In: 274.828+/-0.050 χ^2/NDF:4012127.0/20

+ sign 269.619+/-0.043 χ^2/NDF: 11601046.3/38

All: 279.661+/-0.032 χ^2/NDF: 21002451.1/78

- sign 291.146+/-0.046 χ^2/NDF: 9285799.6/39

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: -427.670+/-291.318 χ^2/NDF:29.7/22

Right Out: 311.419+/-482.642 χ^2/NDF: 17.9/18

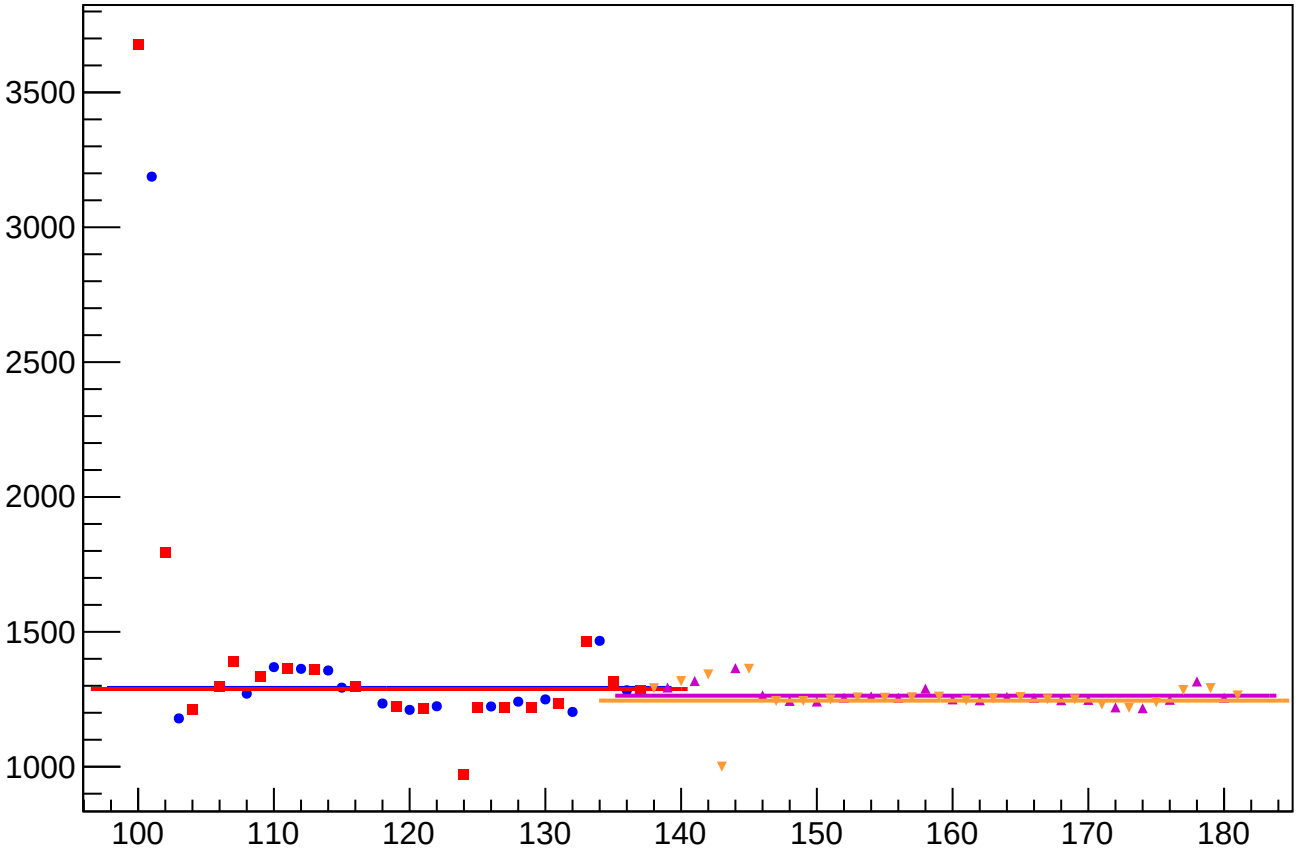
Left In: 170.087+/-304.260 χ^2/NDF:26.1/20

+ sign -517.571+/-250.353 χ^2/NDF: 43.7/38

All: -163.723+/-179.461 χ^2/NDF: 91.9/78

- sign 210.281+/-257.385 χ^2/NDF: 44.1/39

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: 1245.065+/-0.206 χ^2/NDF:127404.1/22

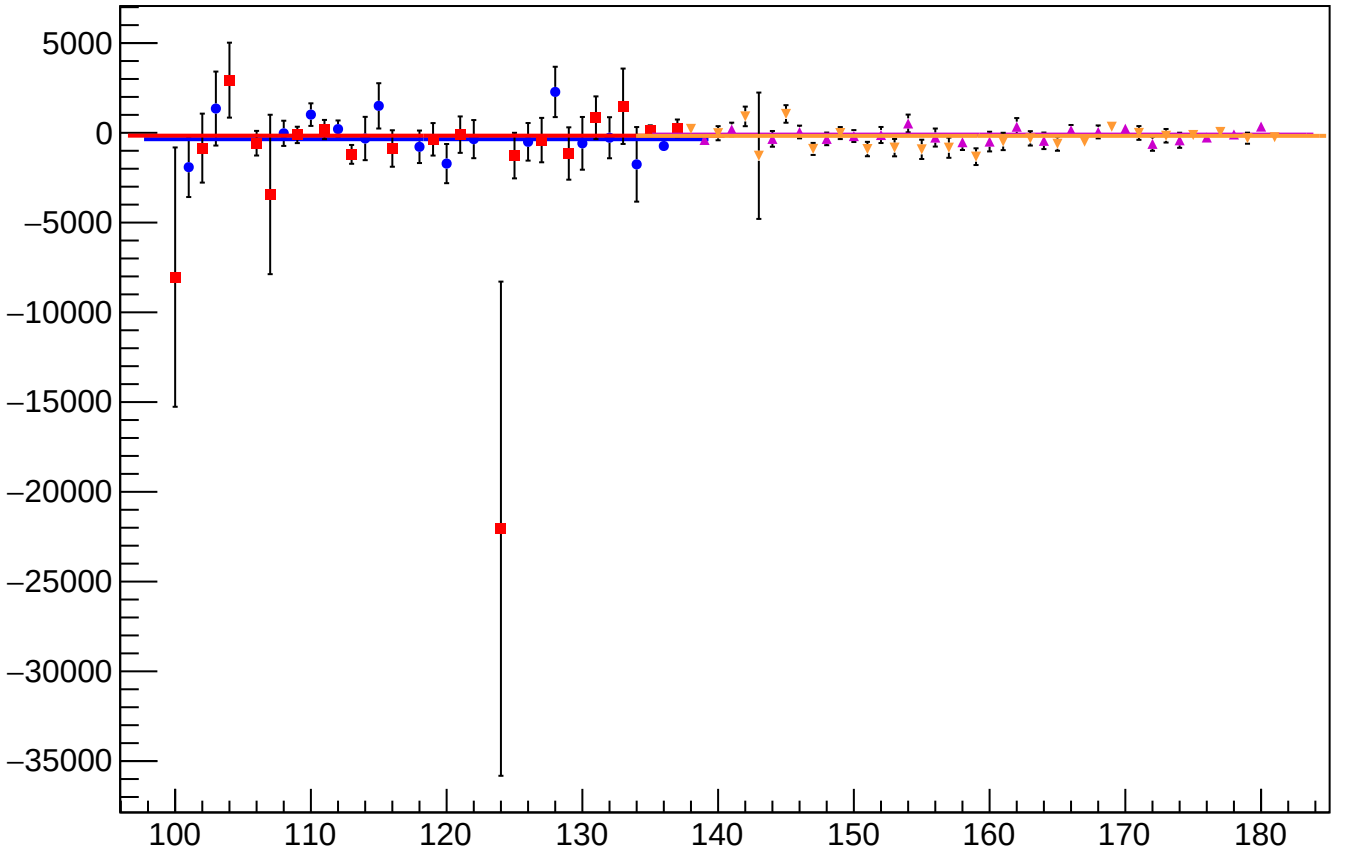
Right Out: 1287.988+/-0.341 χ^2/NDF: 209209.1/18

Left In: 1263.353+/-0.215 χ^2/NDF:24327.0/20

+ sign 1257.347+/-0.177 χ^2/NDF: 650406.1/38

All: 1263.673+/-0.127 χ^2/NDF: 890297.5/78

- sign 1270.359+/-0.182 χ^2/NDF: 237264.9/39



Right In: -355.226+/-169.973 χ^2/NDF: 18.4/15

Left Out: -168.769+/-65.544 χ^2/NDF:41.8/22

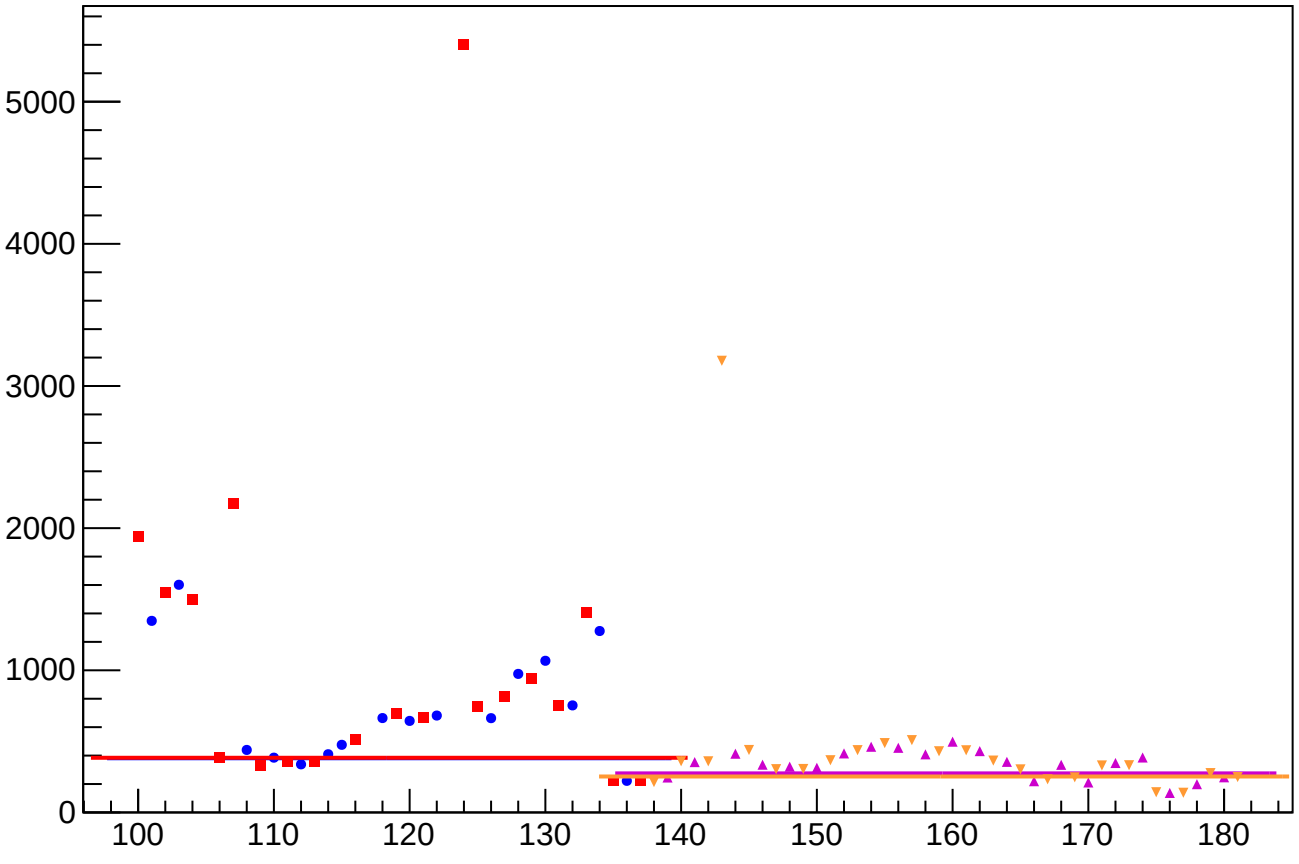
Right Out: -157.929+/-169.667 χ^2/NDF: 15.8/18

Left In: -99.778+/-70.880 χ^2/NDF:16.2/20

+ sign -192.905+/-61.155 χ^2/NDF: 61.3/38

All: -153.494+/-44.669 χ^2/NDF: 94.3/78

- sign -108.418+/-65.402 χ^2/NDF: 32.2/39



Right In: 381.359+/-0.120 χ^2/NDF: 4317737.3/15

Left Out: 253.006+/-0.046 χ^2/NDF:6290306.7/22

Right Out: 384.658+/-0.120 χ^2/NDF: 4560068.3/18

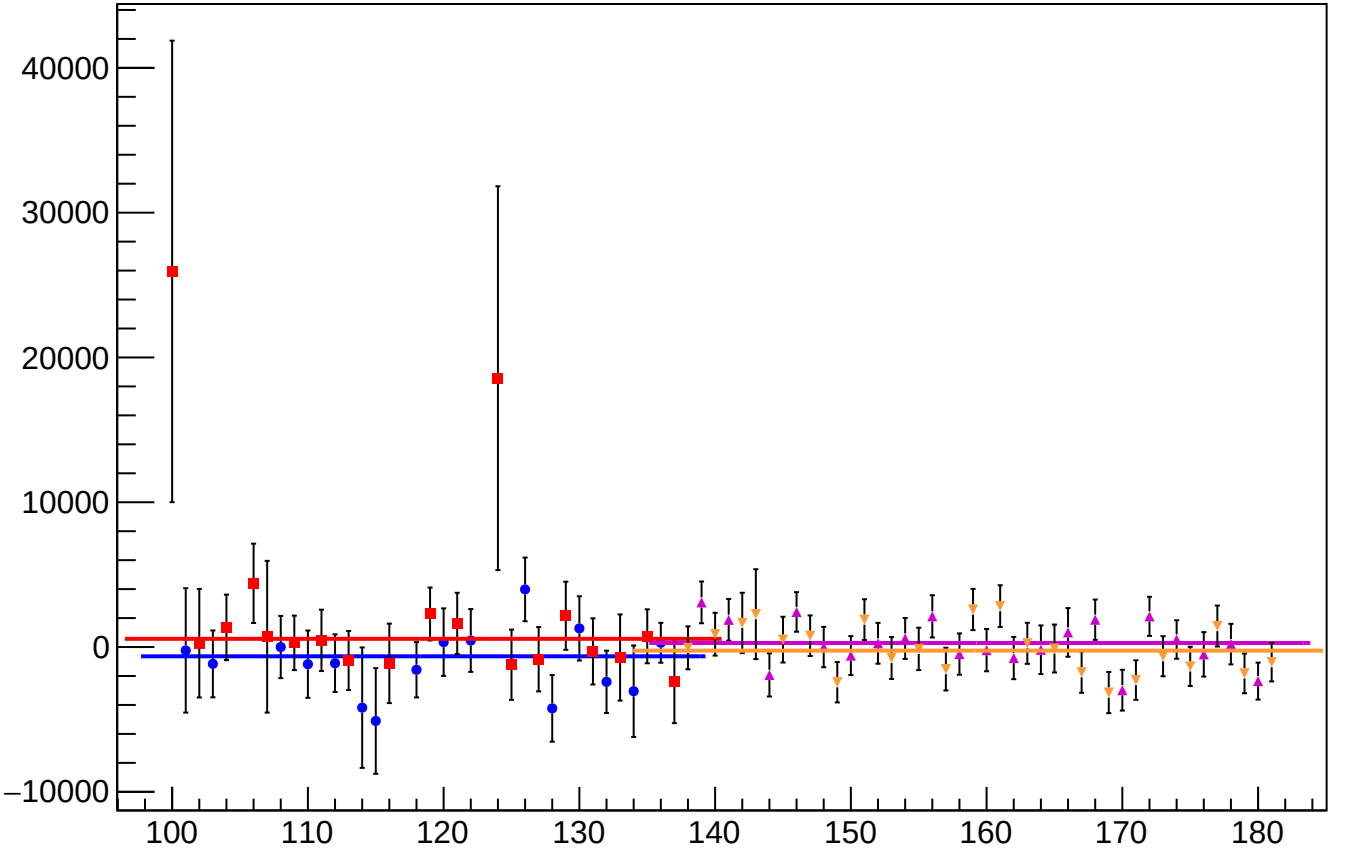
Left In: 274.828+/-0.050 χ^2/NDF:4012088.2/20

+ sign 269.621+/-0.043 χ^2/NDF: 11600869.1/38

All: 279.663+/-0.032 χ^2/NDF: 21002163.9/78

- sign 291.148+/-0.046 χ^2/NDF: 9285699.1/39

asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -640.824+/-564.366 χ^2/NDF: 12.5/15

Left Out: -246.934+/-307.086 χ^2/NDF:28.5/22

Right Out: 567.254+/-566.774 χ^2/NDF: 11.3/18

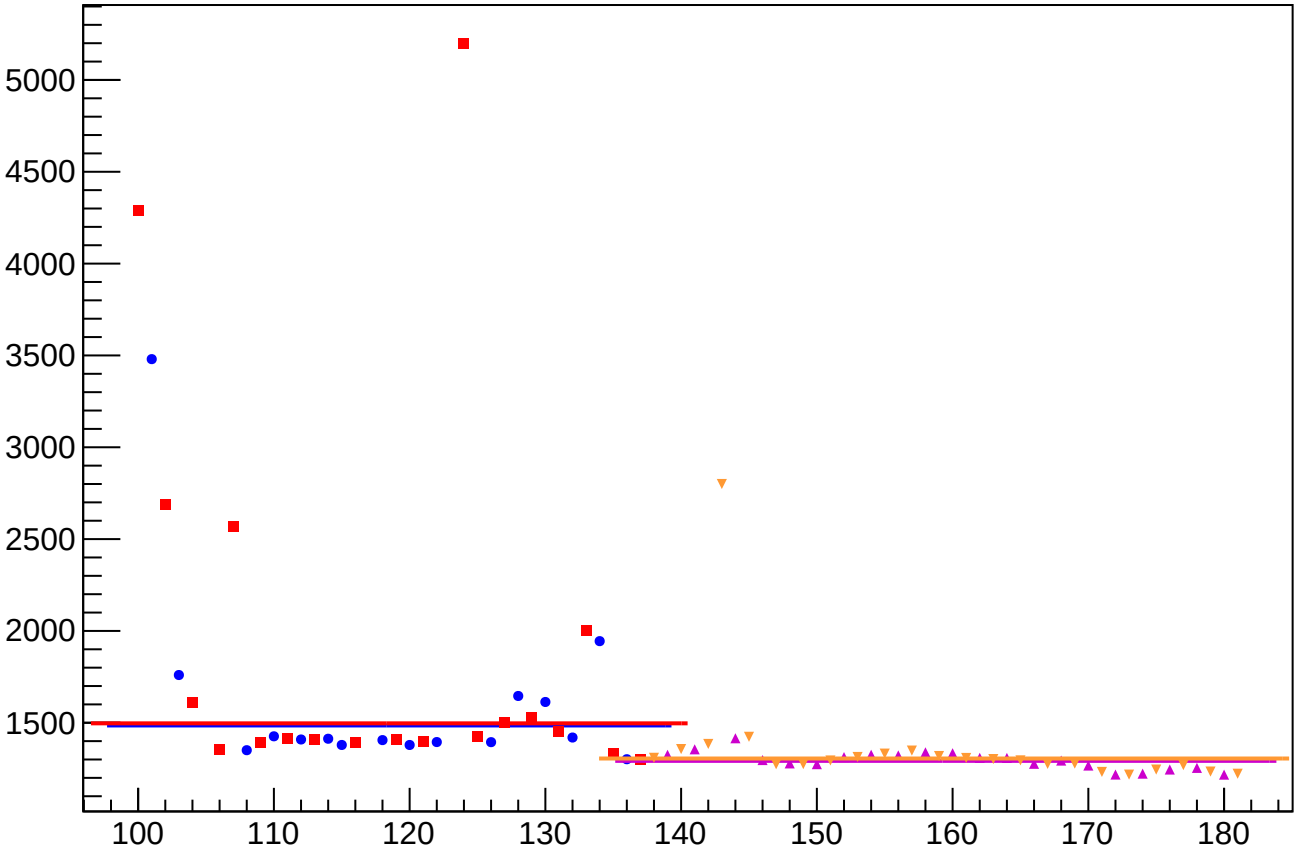
Left In: 280.507+/-311.407 χ^2/NDF:26.0/20

+ sign -336.914+/-269.740 χ^2/NDF: 41.3/38

All: 1.028+/-191.851 χ^2/NDF: 82.1/78

- sign 346.998+/-272.925 χ^2/NDF: 37.5/39

asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1485.370+/-0.399 χ^2/NDF: 584470.1/15

Left Out: 1305.369+/-0.217 χ^2/NDF:519026.6/22

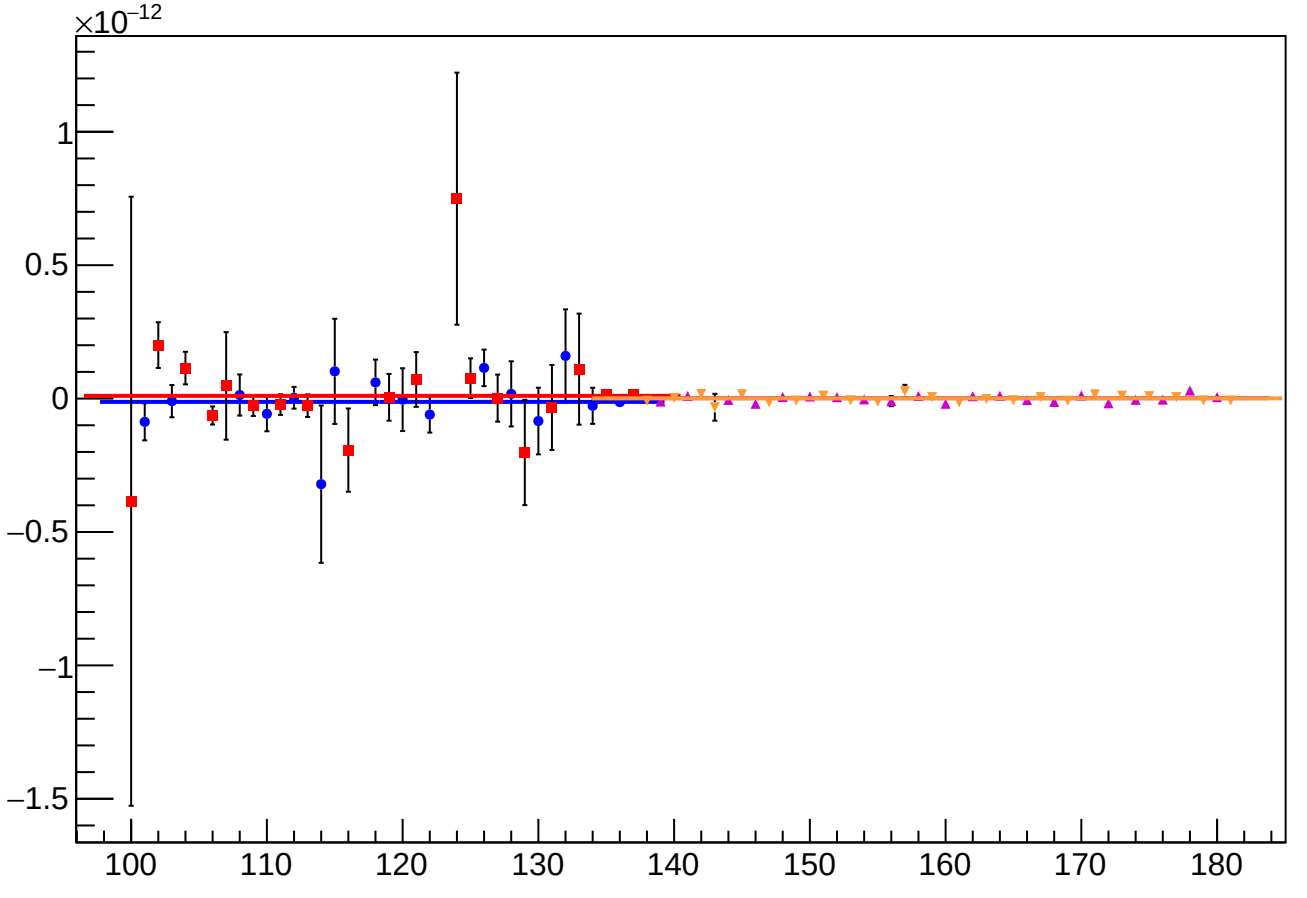
Right Out: 1496.865+/-0.401 χ^2/NDF: 623292.7/18

Left In: 1292.600+/-0.220 χ^2/NDF:48260.6/20

+ sign 1346.488+/-0.191 χ^2/NDF: 1260472.7/38

All: 1343.265+/-0.136 χ^2/NDF: 2132144.0/78

- sign 1339.966+/-0.193 χ^2/NDF: 871093.5/39



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:23.0/22

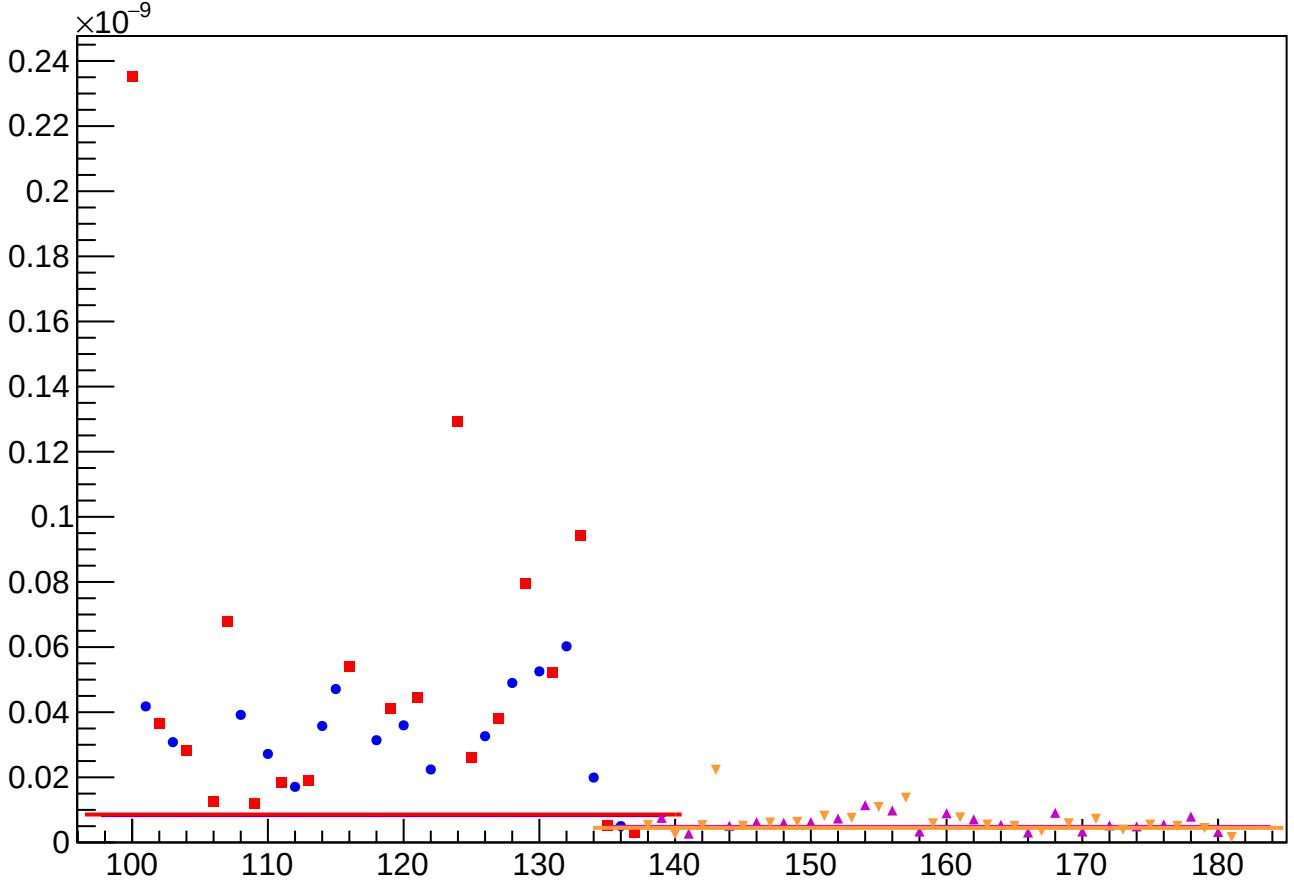
Right Out: 0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: 0.000+/-0.000 χ^2/NDF:25.3/20

+ sign 0.000+/-0.000 χ^2/NDF: 35.4/38

All: 0.000+/-0.000 χ^2/NDF: 84.6/78

- sign 0.000+/-0.000 χ^2/NDF: 48.7/39



Right In: 0.000+/-0.000 χ^2/NDF: 3059657.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2696144.1/22

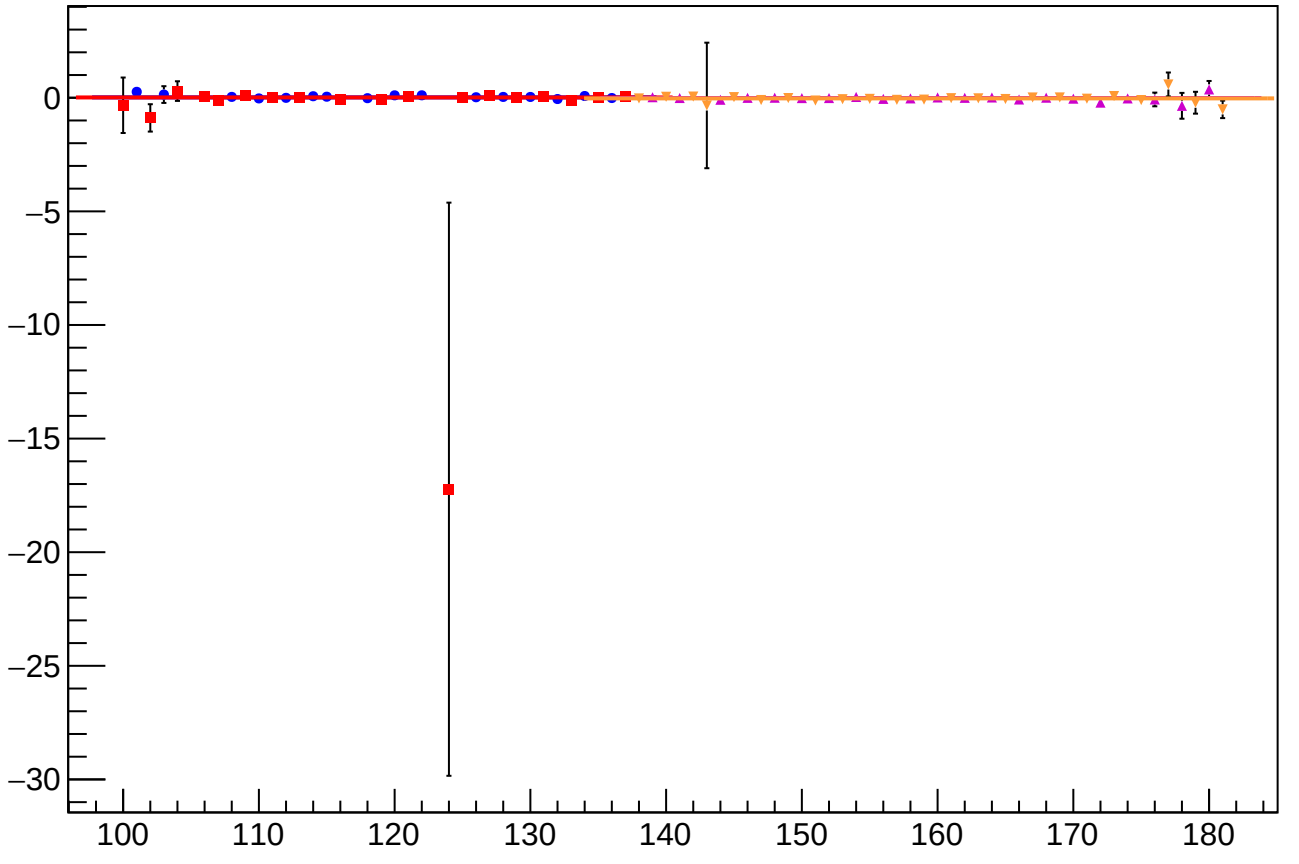
Right Out: 0.000+/-0.000 χ^2/NDF: 3348571.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1884560.7/20

+ sign 0.000+/-0.000 χ^2/NDF: 6273250.4/38

All: 0.000+/-0.000 χ^2/NDF: 11952149.0/78

- sign 0.000+/-0.000 χ^2/NDF: 5655587.4/39



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.028+/-0.010 χ^2/NDF:26.9/22

Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

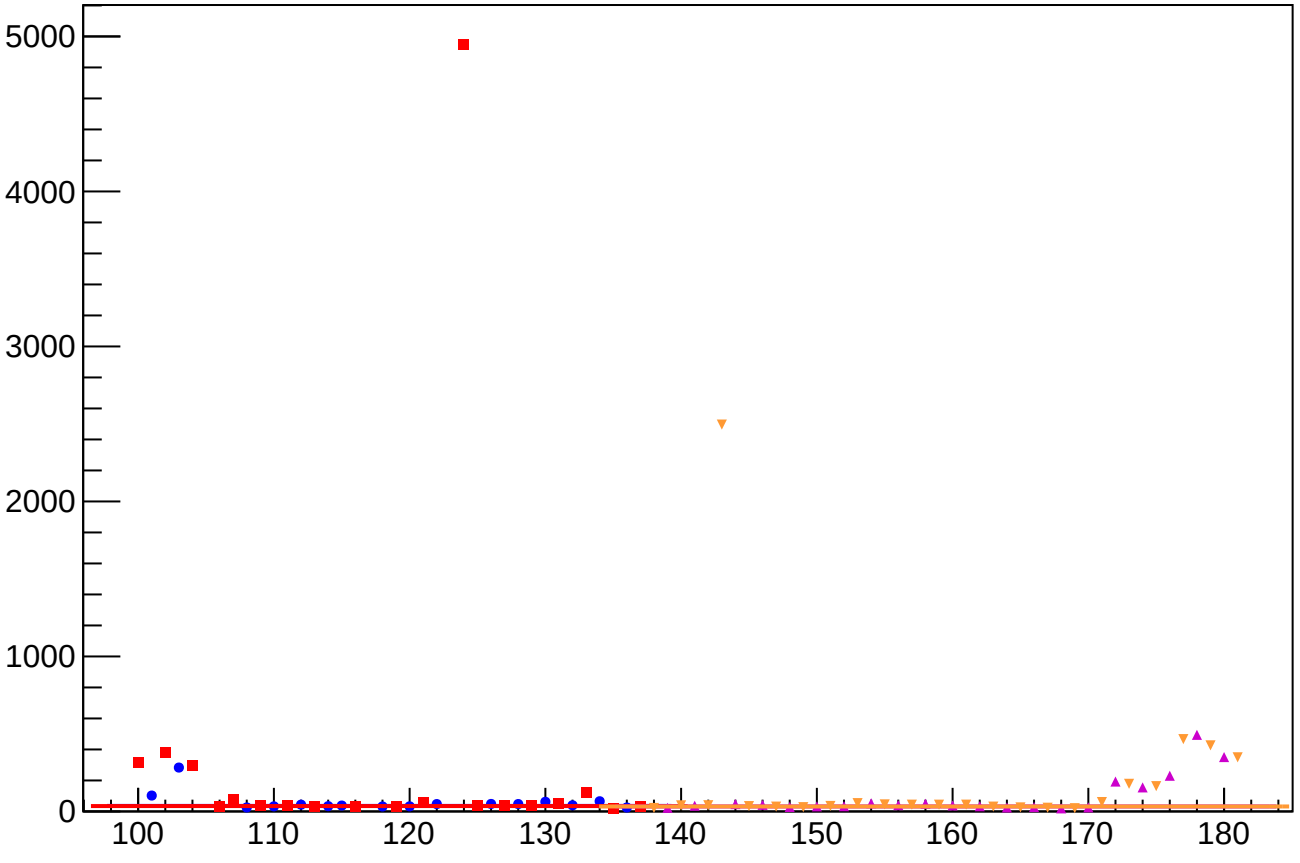
Left In: -0.011+/-0.010 χ^2/NDF:12.1/20

+ sign -0.015+/-0.008 χ^2/NDF: 44.3/38

All: -0.010+/-0.006 χ^2/NDF: 75.3/78

- sign -0.005+/-0.008 χ^2/NDF: 30.0/39

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: 32.169+/-0.007 χ^2/NDF:9393169.5/22

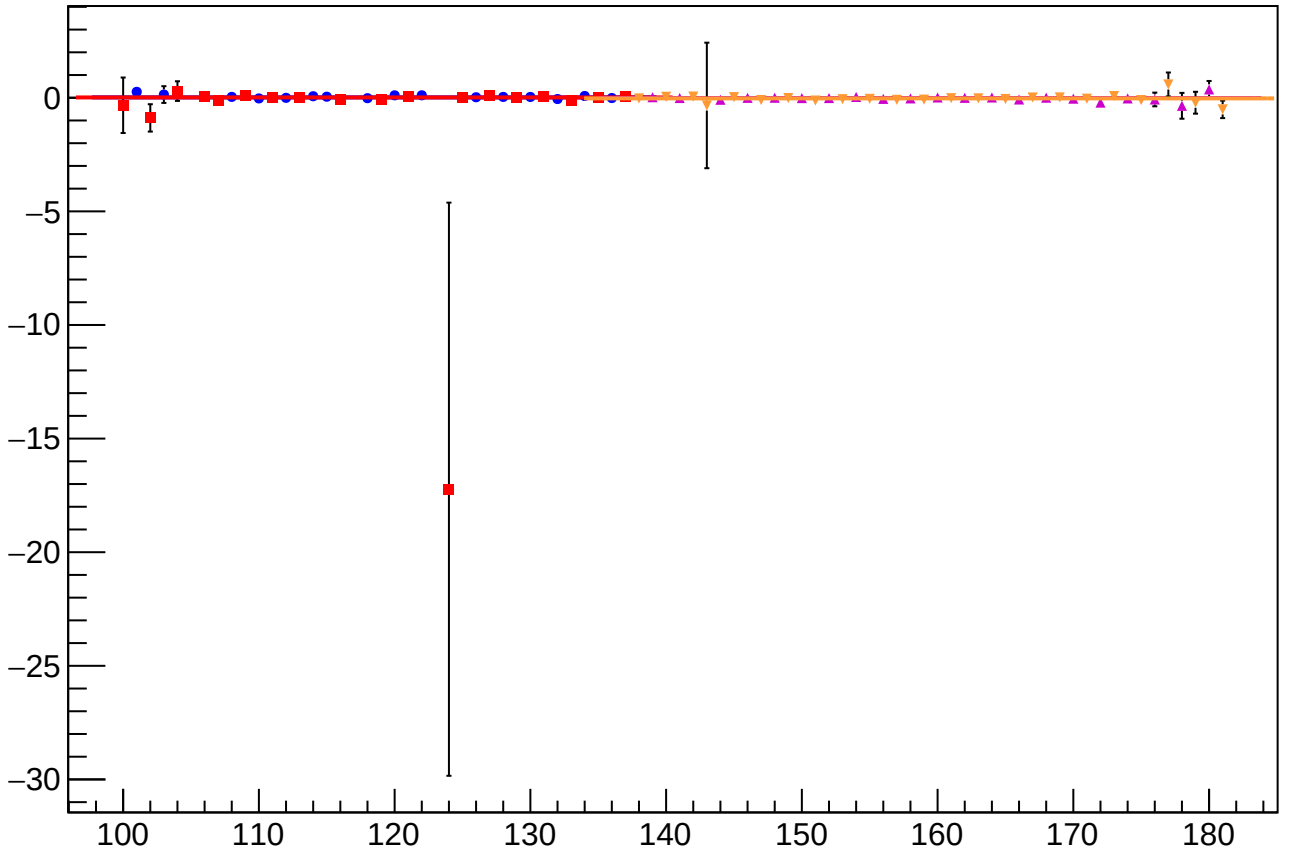
Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 32.368+/-0.007 χ^2/NDF:7423081.6/20

\+ sign 33.153+/-0.006 χ^2/NDF: 11735490.5/38

All: 33.089+/-0.004 χ^2/NDF: 22108250.6/78

\- sign 33.024+/-0.006 χ^2/NDF: 10372508.1/39



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.028+/-0.010 χ^2/NDF:26.9/22

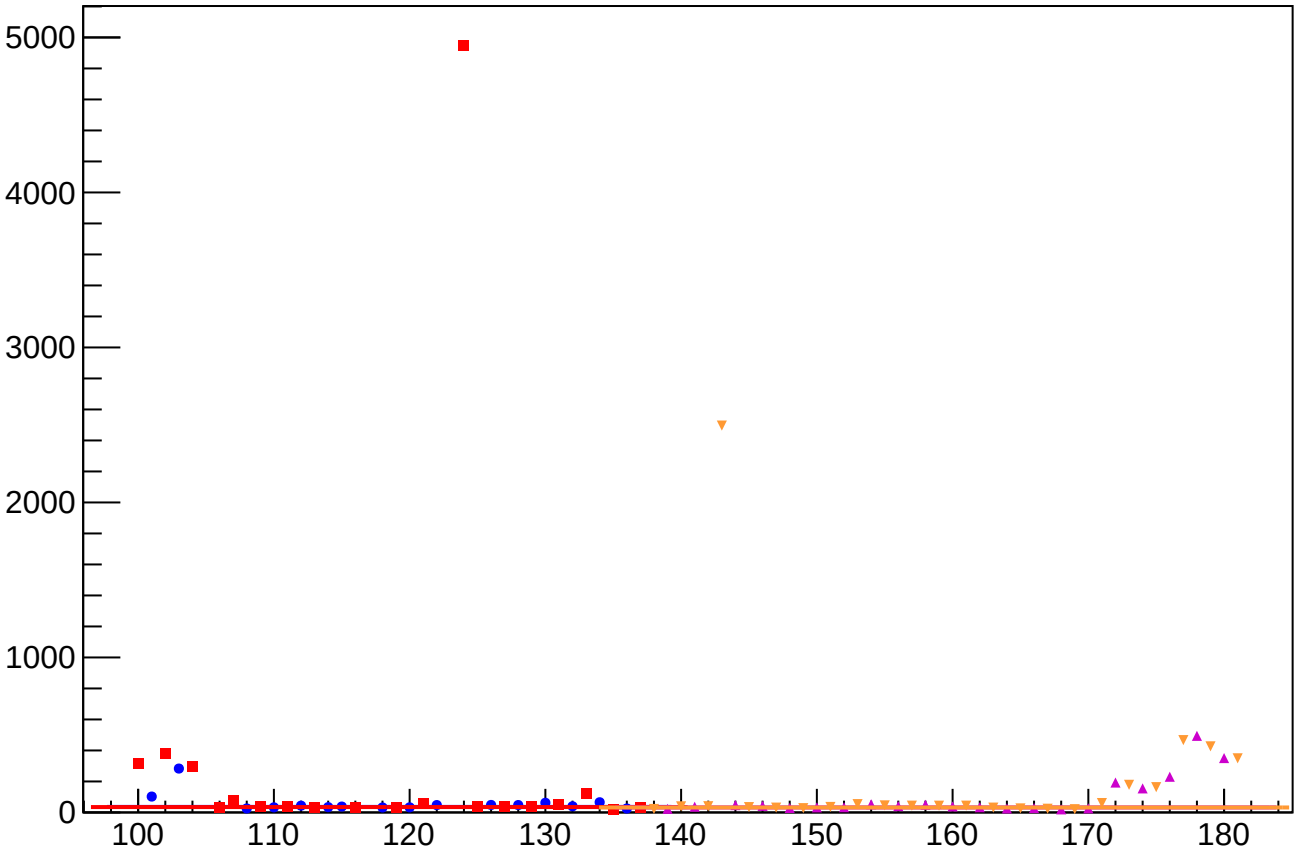
Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.011+/-0.010 χ^2/NDF:12.1/20

+ sign -0.015+/-0.008 χ^2/NDF: 44.3/38

All: -0.010+/-0.006 χ^2/NDF: 75.3/78

- sign -0.005+/-0.008 χ^2/NDF: 30.0/39



Right In: 35.742+/-0.011 χ^2/NDF: 2264790.8/15

Left Out: 32.169+/-0.007 χ^2/NDF:9393169.5/22

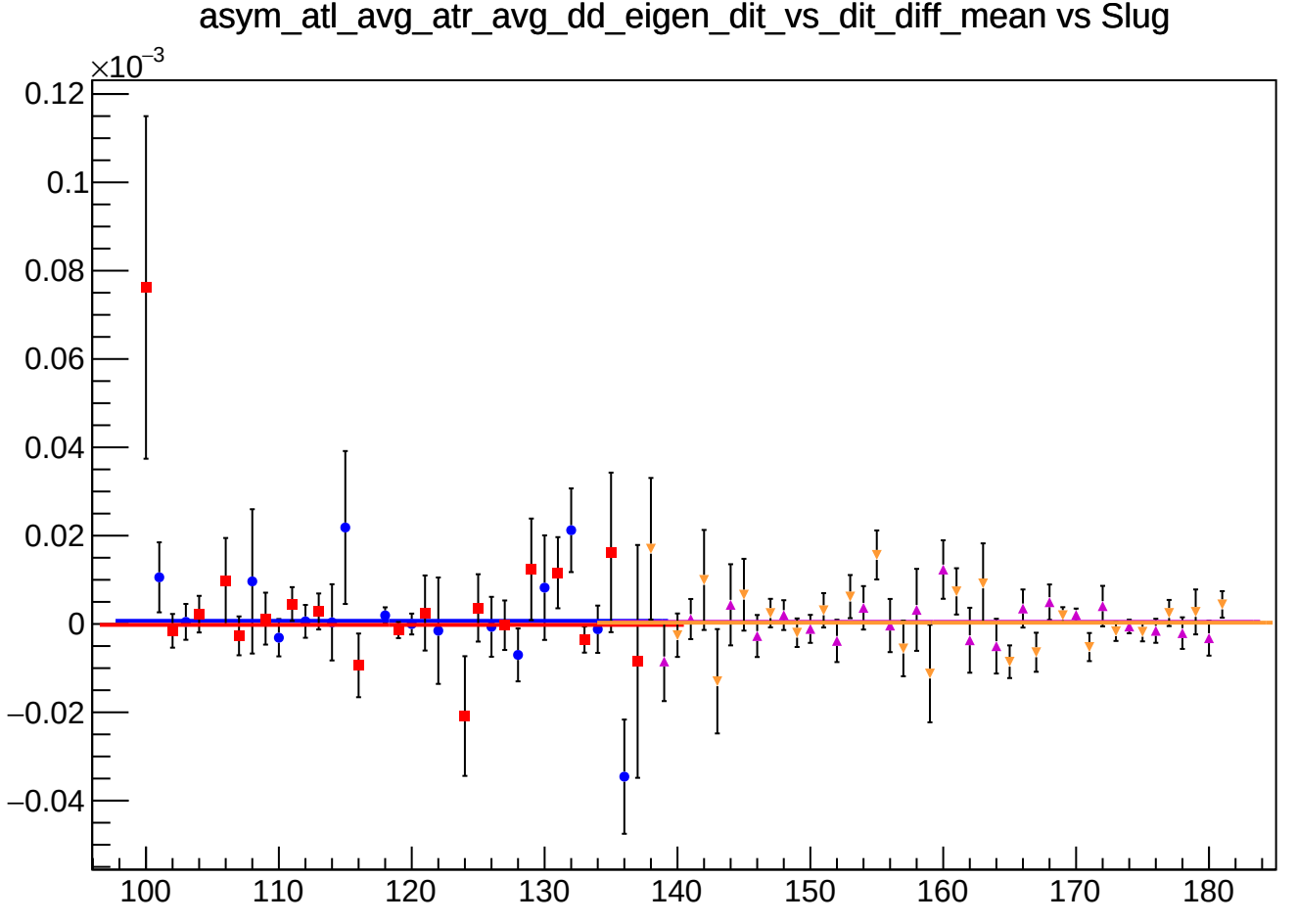
Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 32.368+/-0.007 χ^2/NDF:7423081.6/20

\+ sign 33.153+/-0.006 χ^2/NDF: 11735490.5/38

All: 33.089+/-0.004 χ^2/NDF: 22108250.6/78

\- sign 33.024+/-0.006 χ^2/NDF: 10372508.1/39



Right In: 0.000+/-0.000 χ^2/NDF: 19.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:35.6/22

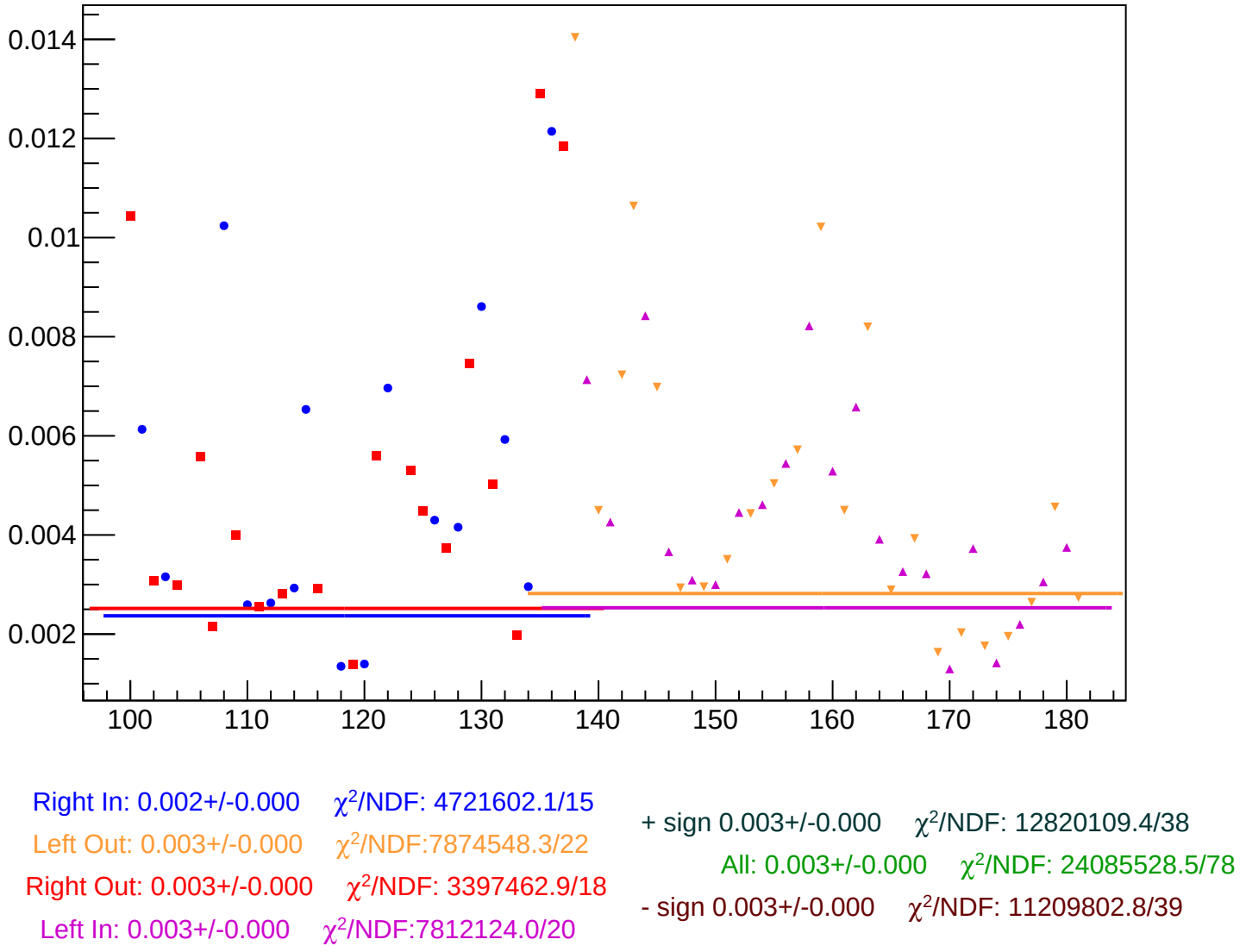
Right Out: -0.000+/-0.000 χ^2/NDF: 18.1/18

Left In: 0.000+/-0.000 χ^2/NDF:13.6/20

+ sign 0.000+/-0.000 χ^2/NDF: 54.7/38

All: 0.000+/-0.000 χ^2/NDF: 86.8/78

- sign 0.000+/-0.000 χ^2/NDF: 32.0/39


asym_atl_avg_atr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.014
0.012
0.01
0.008
0.006
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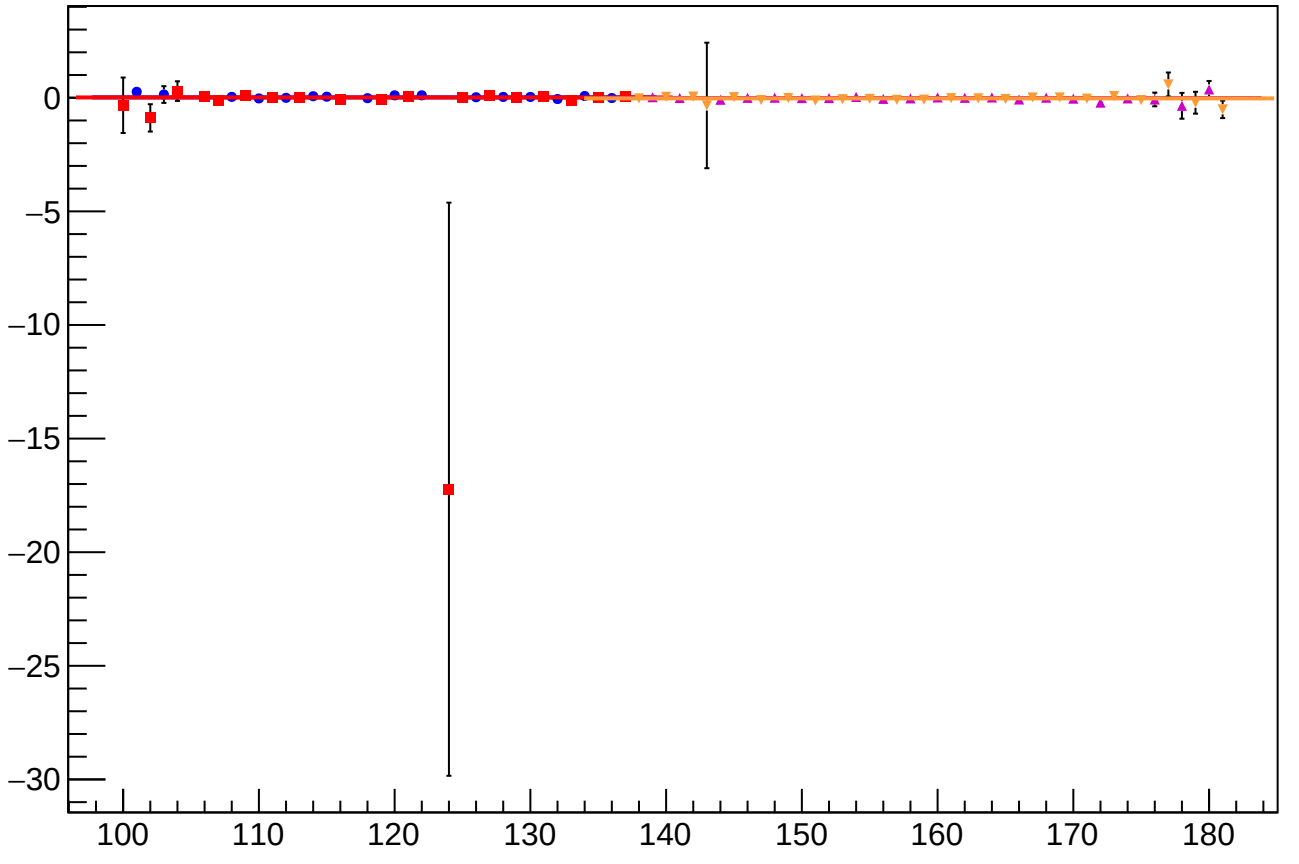
0.002
100
110
120
130
140
150
160
170
180
Right In: 0.002+/-0.000 χ²/NDF: 4721602.1/15
Left Out: 0.003+/-0.000 χ²/NDF:7874548.3/22
Right Out: 0.003+/-0.000 χ²/NDF: 3397462.9/18
Left In: 0.003+/-0.000 χ²/NDF:7812124.0/20
+ sign 0.003+/-0.000 χ²/NDF: 12820109.4/38
All: 0.003+/-0.000 χ²/NDF: 24085528.5/78
- sign 0.003+/-0.000 χ²/NDF: 11209802.8/39



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.028+/-0.010 χ^2/NDF:26.9/22

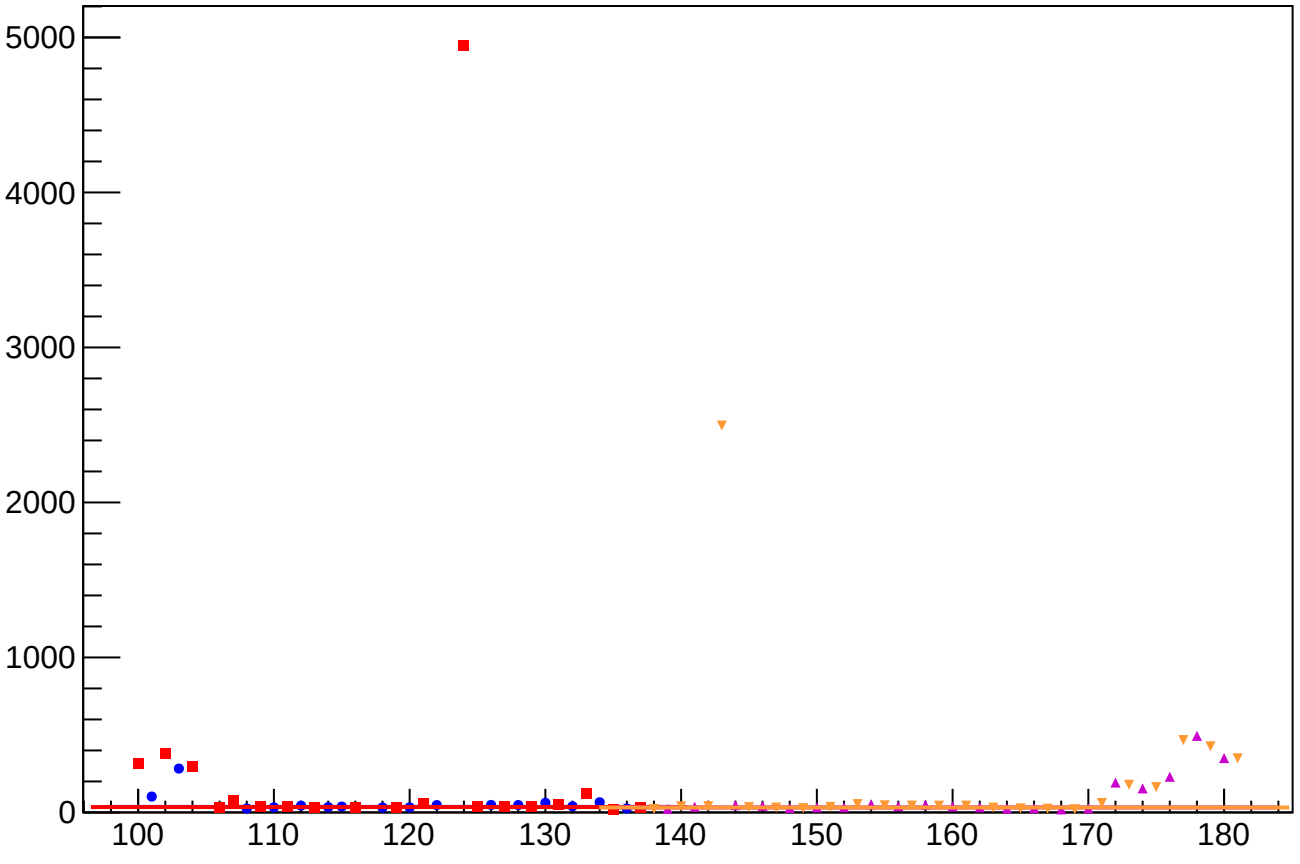
Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.011+/-0.010 χ^2/NDF:12.1/20

+ sign -0.015+/-0.008 χ^2/NDF: 44.3/38

All: -0.010+/-0.006 χ^2/NDF: 75.3/78

- sign -0.005+/-0.008 χ^2/NDF: 30.0/39



Right In: 35.743+/-0.011 χ^2/NDF: 2264513.9/15

Left Out: 32.168+/-0.007 χ^2/NDF:9393423.6/22

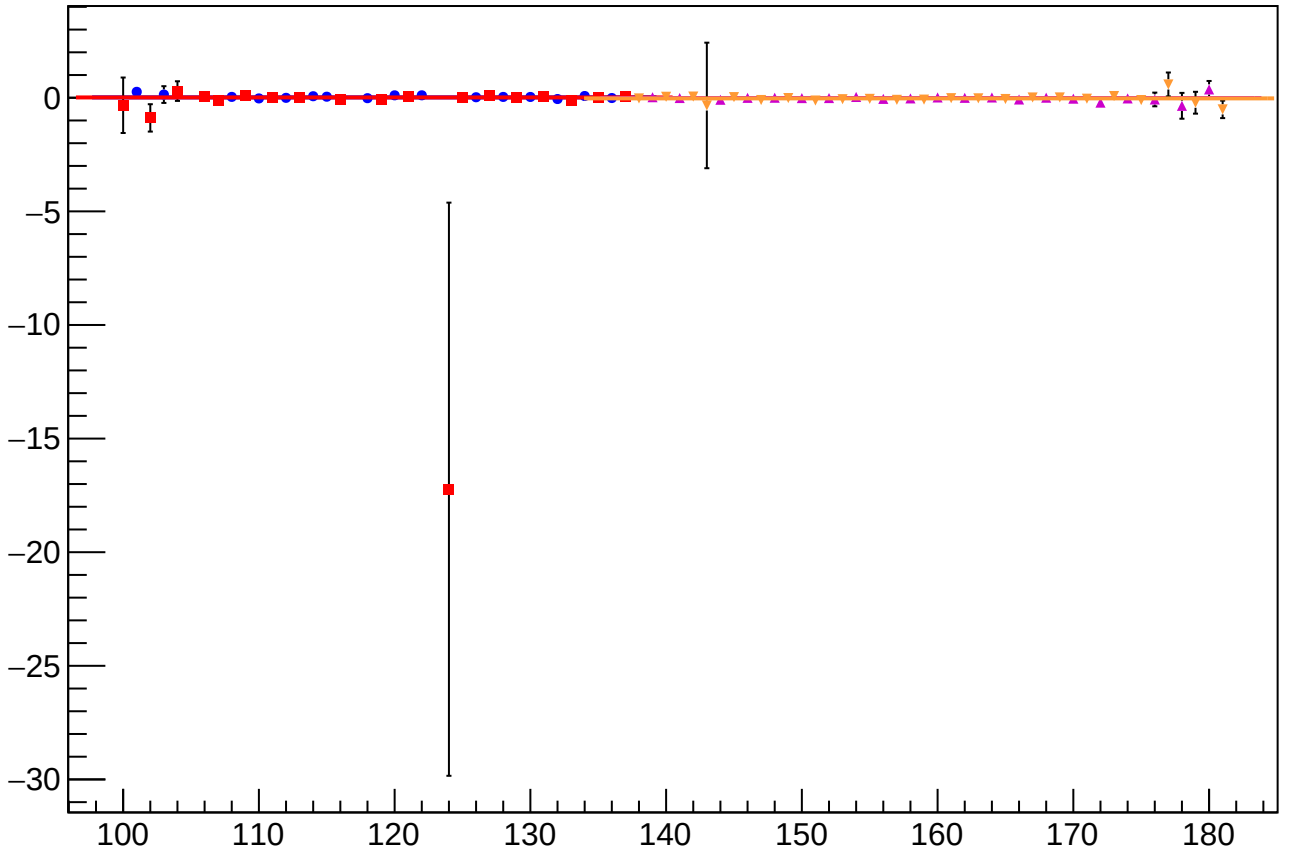
Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 32.366+/-0.007 χ^2/NDF:7423692.4/20

+ sign 33.153+/-0.006 χ^2/NDF: 11735539.9/38

All: 33.089+/-0.004 χ^2/NDF: 22108804.4/78

- sign 33.024+/-0.006 χ^2/NDF: 10373008.7/39



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.028+/-0.010 χ^2/NDF:26.9/22

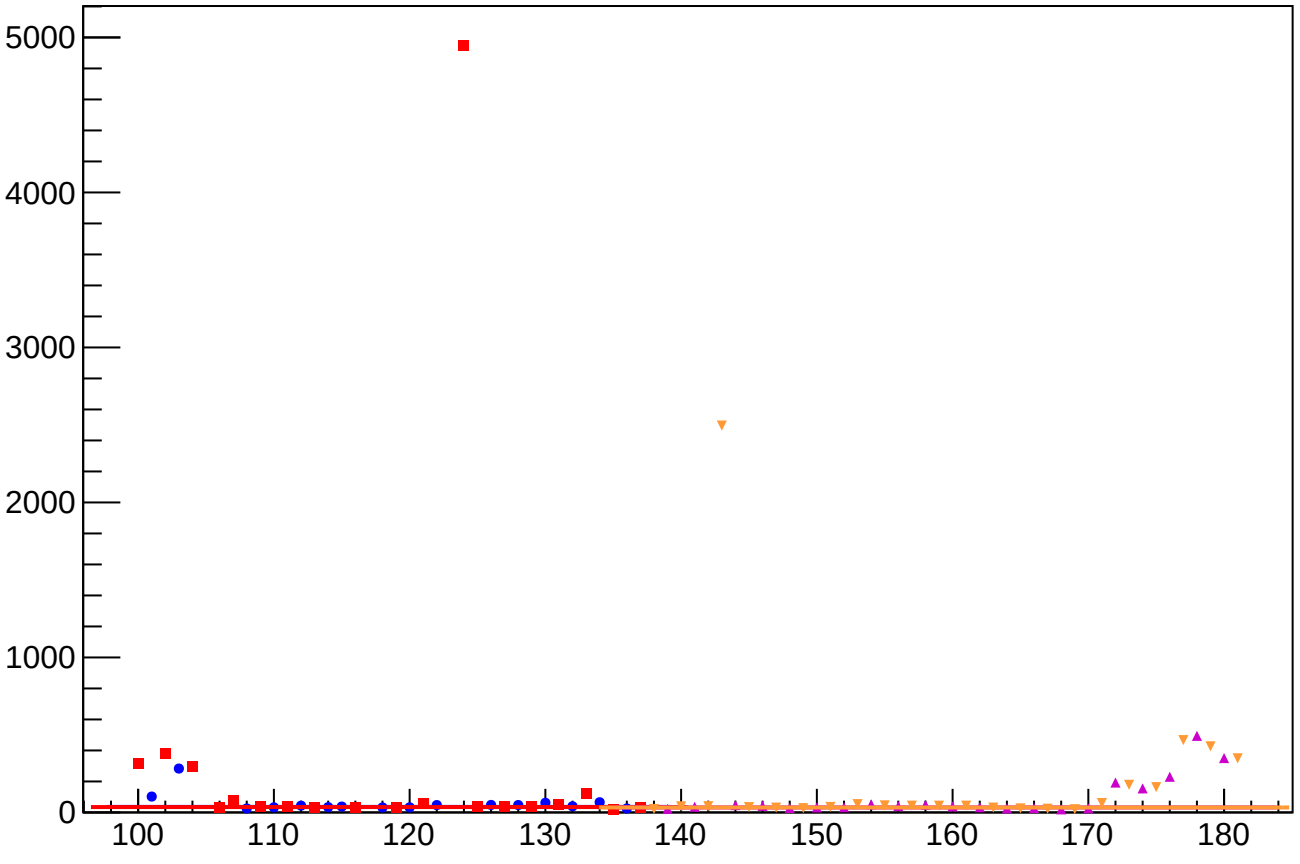
Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.011+/-0.010 χ^2/NDF:12.1/20

+ sign -0.015+/-0.008 χ^2/NDF: 44.3/38

All: -0.010+/-0.006 χ^2/NDF: 75.3/78

- sign -0.005+/-0.008 χ^2/NDF: 30.0/39



Right In: 35.743+/-0.011 χ^2/NDF: 2264513.9/15

Left Out: 32.168+/-0.007 χ^2/NDF:9393423.6/22

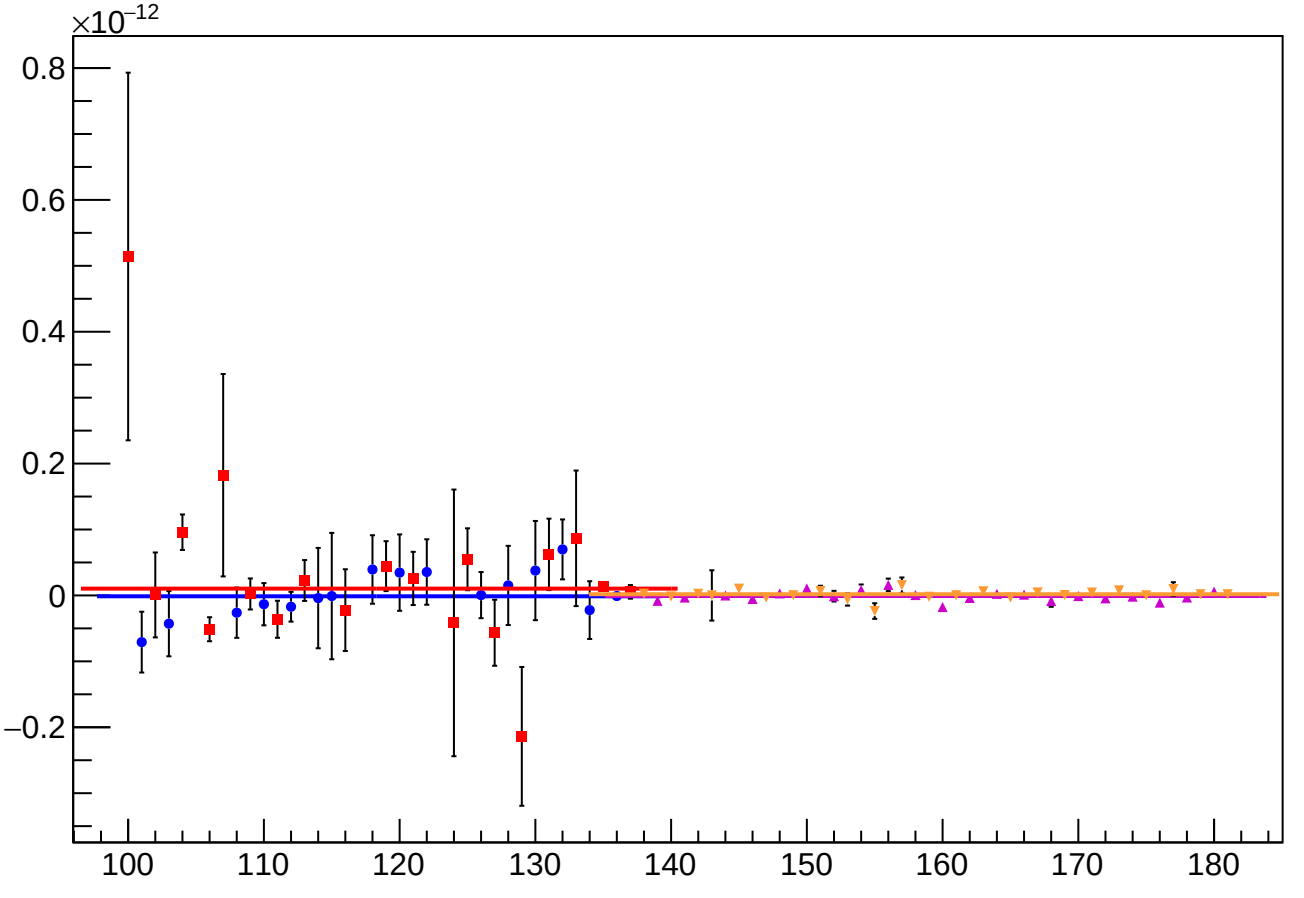
Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 32.366+/-0.007 χ^2/NDF:7423692.4/20

+ sign 33.153+/-0.006 χ^2/NDF: 11735539.9/38

All: 33.089+/-0.004 χ^2/NDF: 22108804.4/78

- sign 33.024+/-0.006 χ^2/NDF: 10373008.7/39



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.5/22

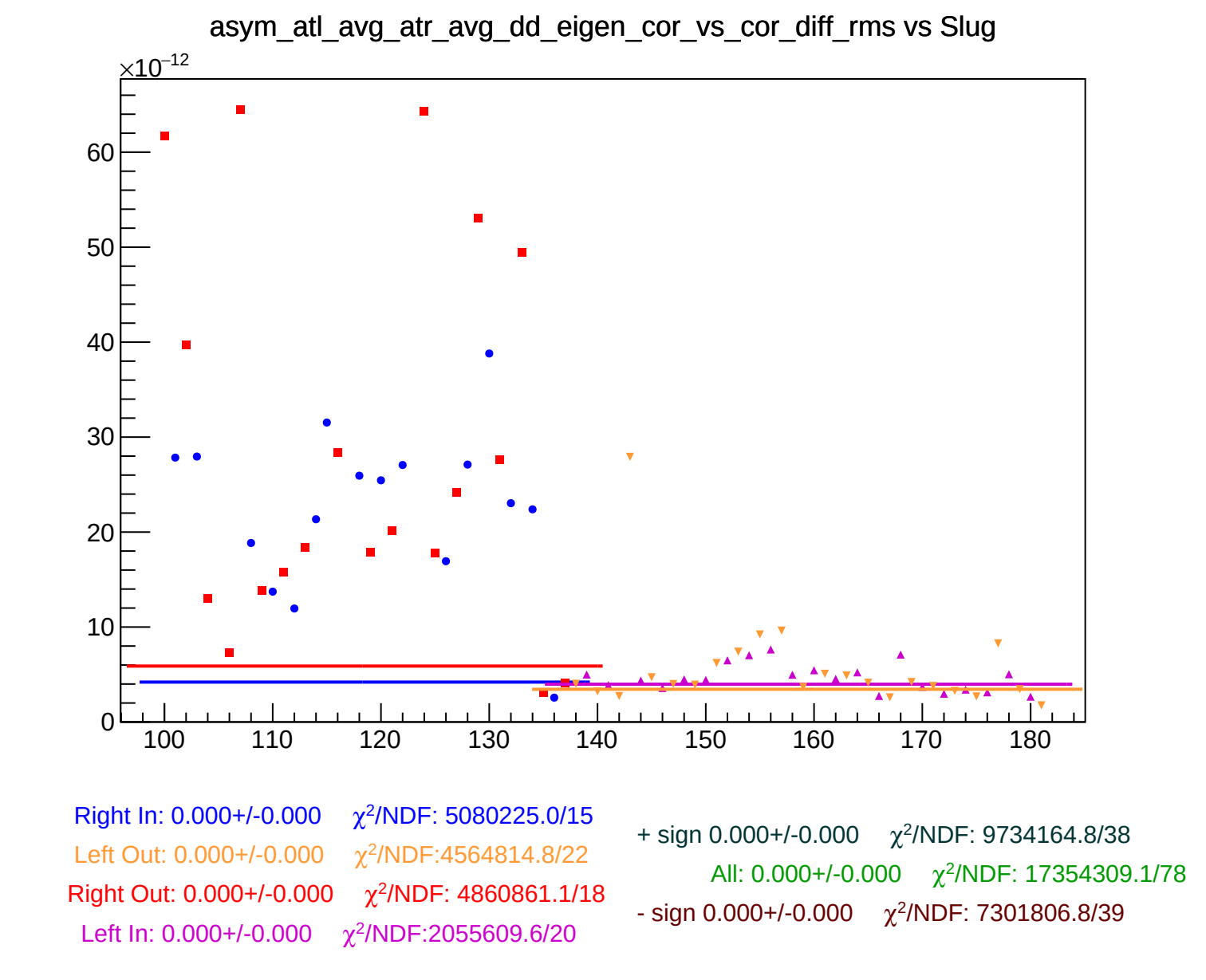
Right Out: 0.000+/-0.000 χ^2/NDF: 39.9/18

Left In: -0.000+/-0.000 χ^2/NDF:27.5/20

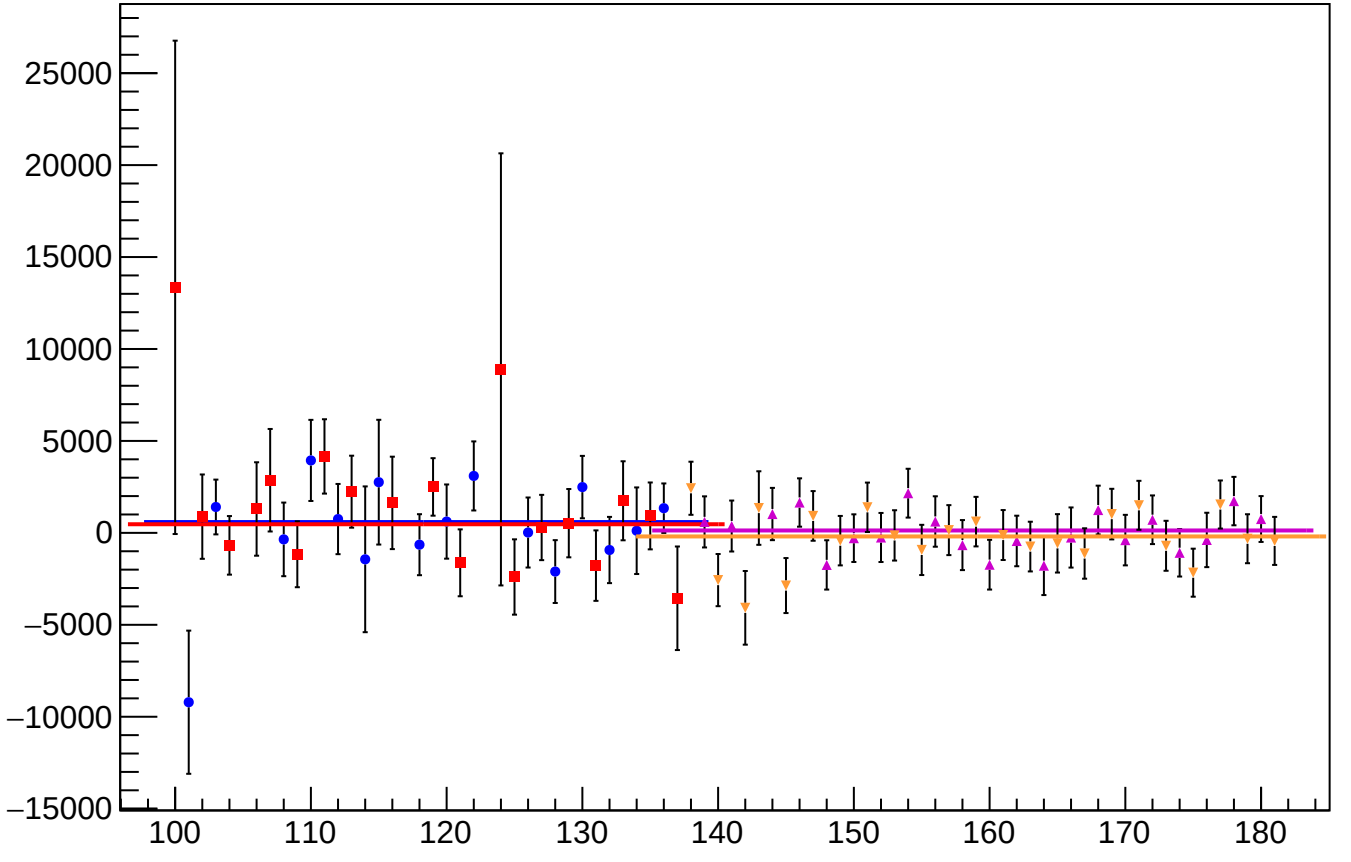
+ sign 0.000+/-0.000 χ^2/NDF: 24.8/38

All: 0.000+/-0.000 χ^2/NDF: 99.9/78

- sign -0.000+/-0.000 χ^2/NDF: 74.1/39


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:4564814.8/22
Right Out: 0.000+/-0.000 χ²/NDF: 4860861.1/18
Left In: 0.000+/-0.000 χ²/NDF:2055609.6/20
+ sign 0.000+/-0.000 χ²/NDF: 9734164.8/38
All: 0.000+/-0.000 χ²/NDF: 17354309.1/78
- sign 0.000+/-0.000 χ²/NDF: 7301806.8/39

reg_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 586.935+/-482.434 χ^2/NDF: 17.1/15

Left Out: -194.419+/-292.158 χ^2/NDF:23.8/22

Right Out: 469.012+/-480.516 χ^2/NDF: 16.9/18

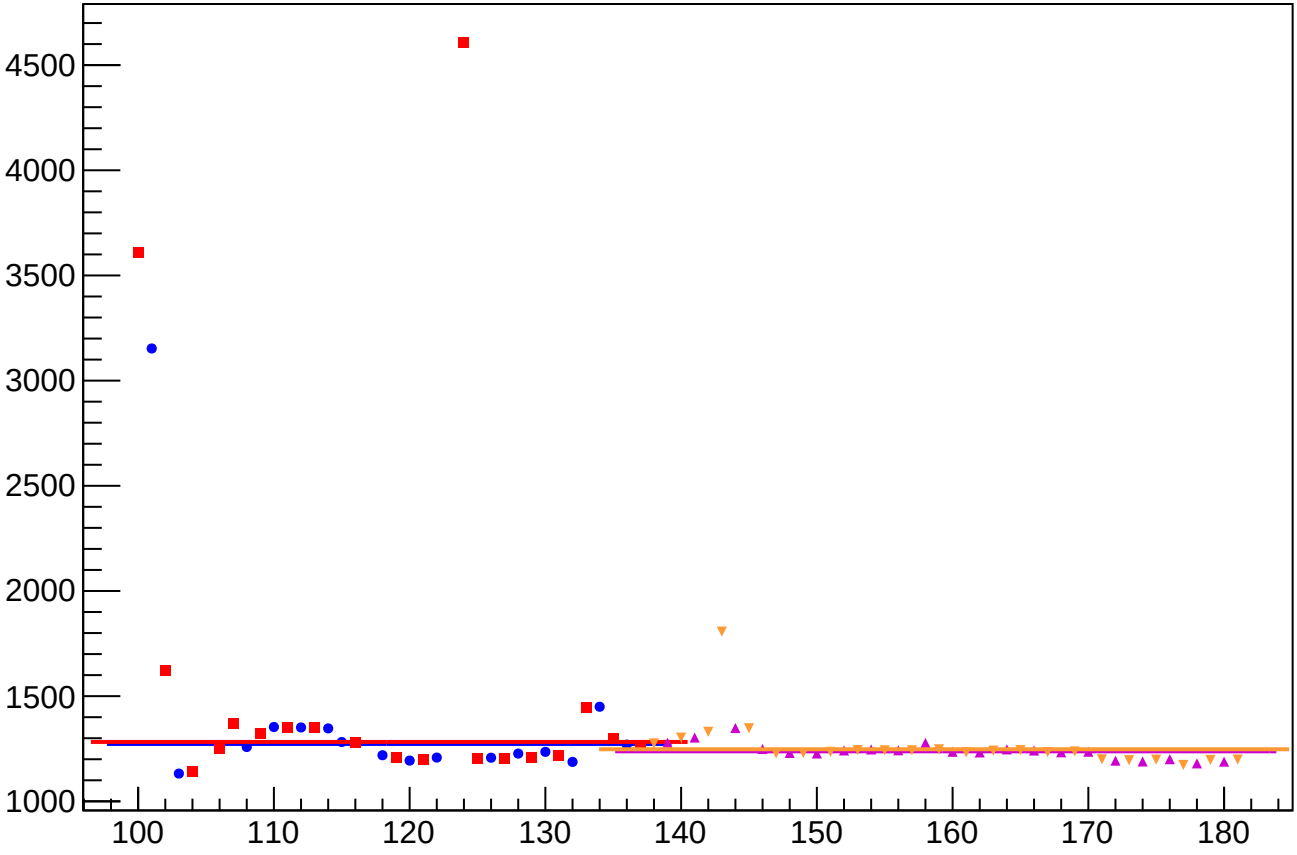
Left In: 130.678+/-298.110 χ^2/NDF:14.1/20

\+ sign 15.244+/-249.905 χ^2/NDF: 42.8/38

All: 118.555+/-177.904 χ^2/NDF: 74.4/78

\- sign 224.708+/-253.319 χ^2/NDF: 31.3/39

reg_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1272.804+/-0.341 χ^2/NDF: 519298.2/15

Left Out: 1247.563+/-0.207 χ^2/NDF:194718.0/22

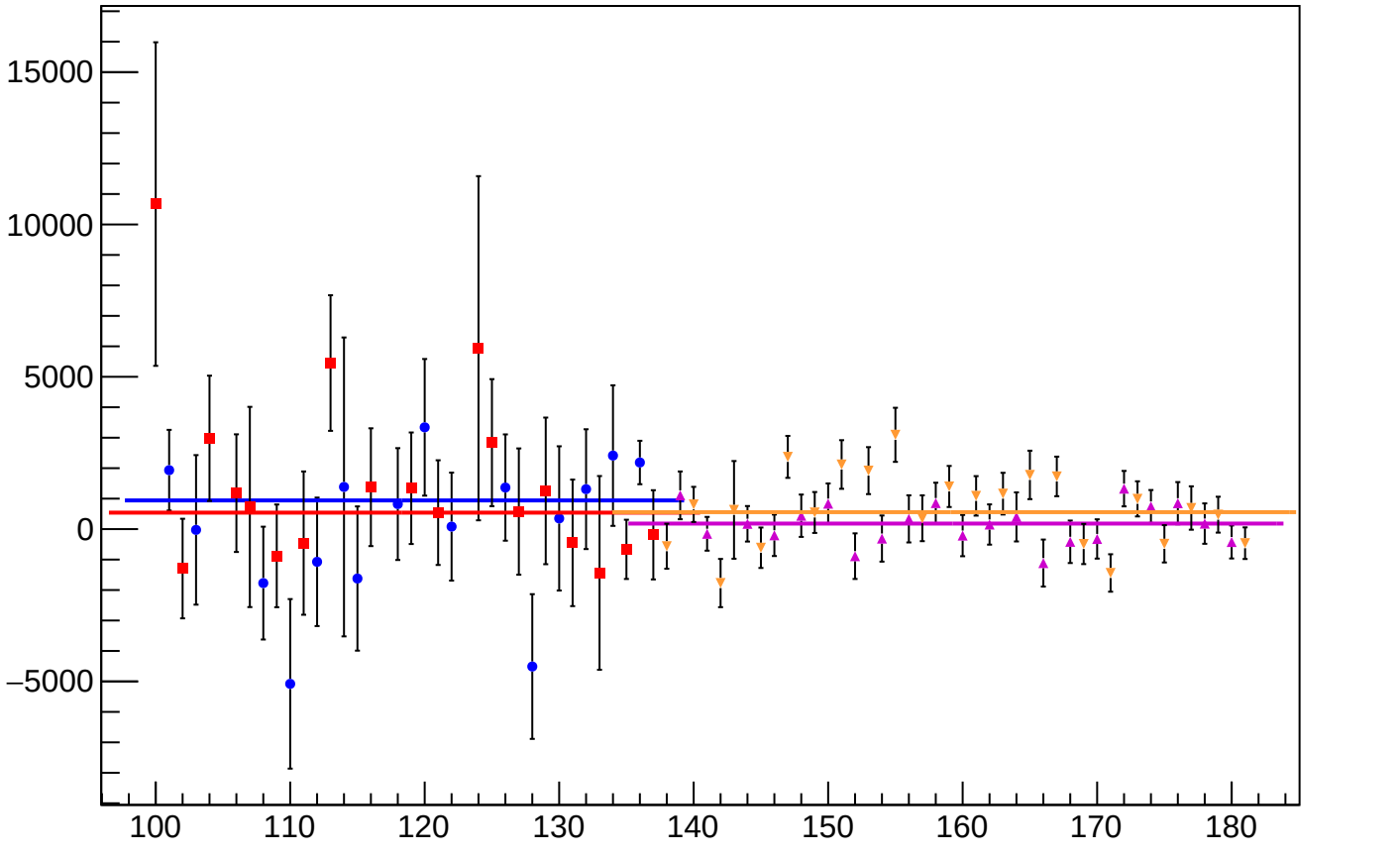
Right Out: 1282.365+/-0.340 χ^2/NDF: 322078.6/18

Left In: 1237.704+/-0.211 χ^2/NDF:33897.0/20

+ sign 1254.336+/-0.177 χ^2/NDF: 718021.9/38

All: 1252.255+/-0.126 χ^2/NDF: 1086754.4/78

- sign 1250.116+/-0.179 χ^2/NDF: 368451.3/39



Right In: 941.759+/-425.837 χ^2/NDF: 19.9/15

Left Out: 556.906+/-142.043 χ^2/NDF:65.5/22

Right Out: 540.622+/-439.905 χ^2/NDF: 17.2/18

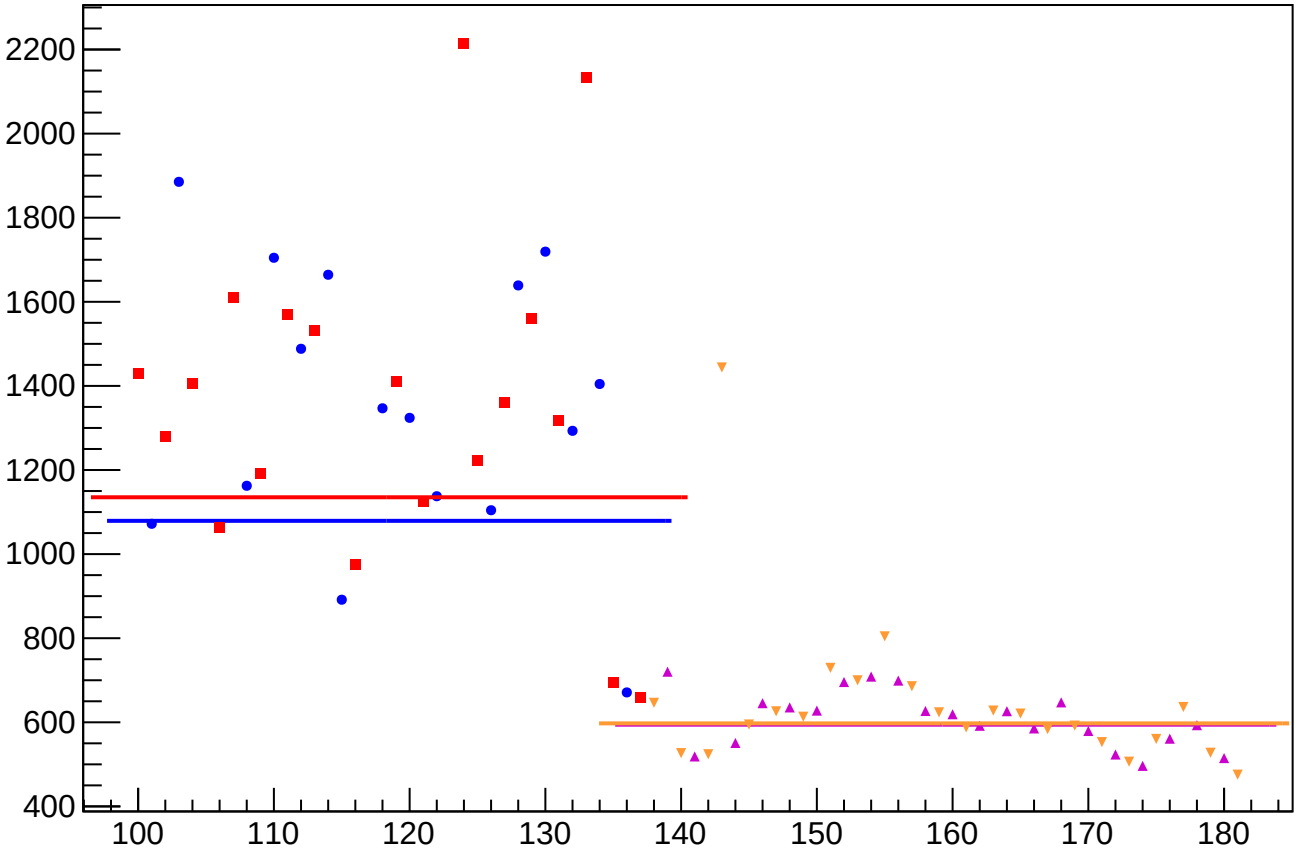
Left In: 181.815+/-144.242 χ^2/NDF:18.4/20

+ sign 595.439+/-134.744 χ^2/NDF: 86.1/38

All: 409.273+/-96.088 χ^2/NDF: 126.2/78

- sign 216.647+/-137.062 χ^2/NDF: 36.2/39

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: 597.476+/-0.100 χ^2/NDF:1066558.4/22

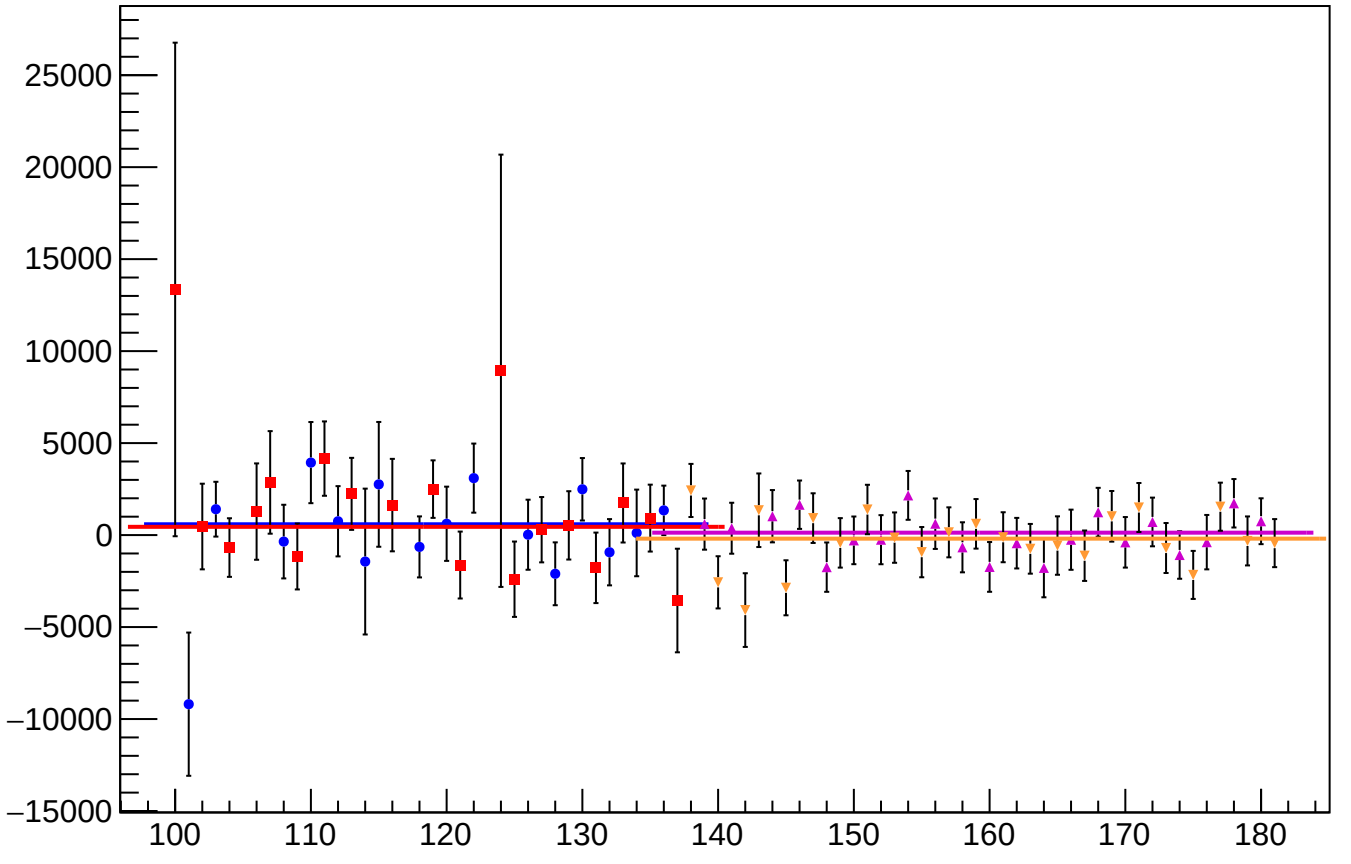
Right Out: 1135.161+/-0.311 χ^2/NDF: 1293082.2/18

Left In: 594.333+/-0.102 χ^2/NDF:409041.5/20

+ sign 645.700+/-0.095 χ^2/NDF: 4851179.3/38

All: 646.257+/-0.068 χ^2/NDF: 9282864.1/78

- sign 646.835+/-0.097 χ^2/NDF: 4431615.1/39



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -194.468+/-292.158 χ^2/NDF:23.8/22

Right Out: 448.412+/-481.333 χ^2/NDF: 16.8/18

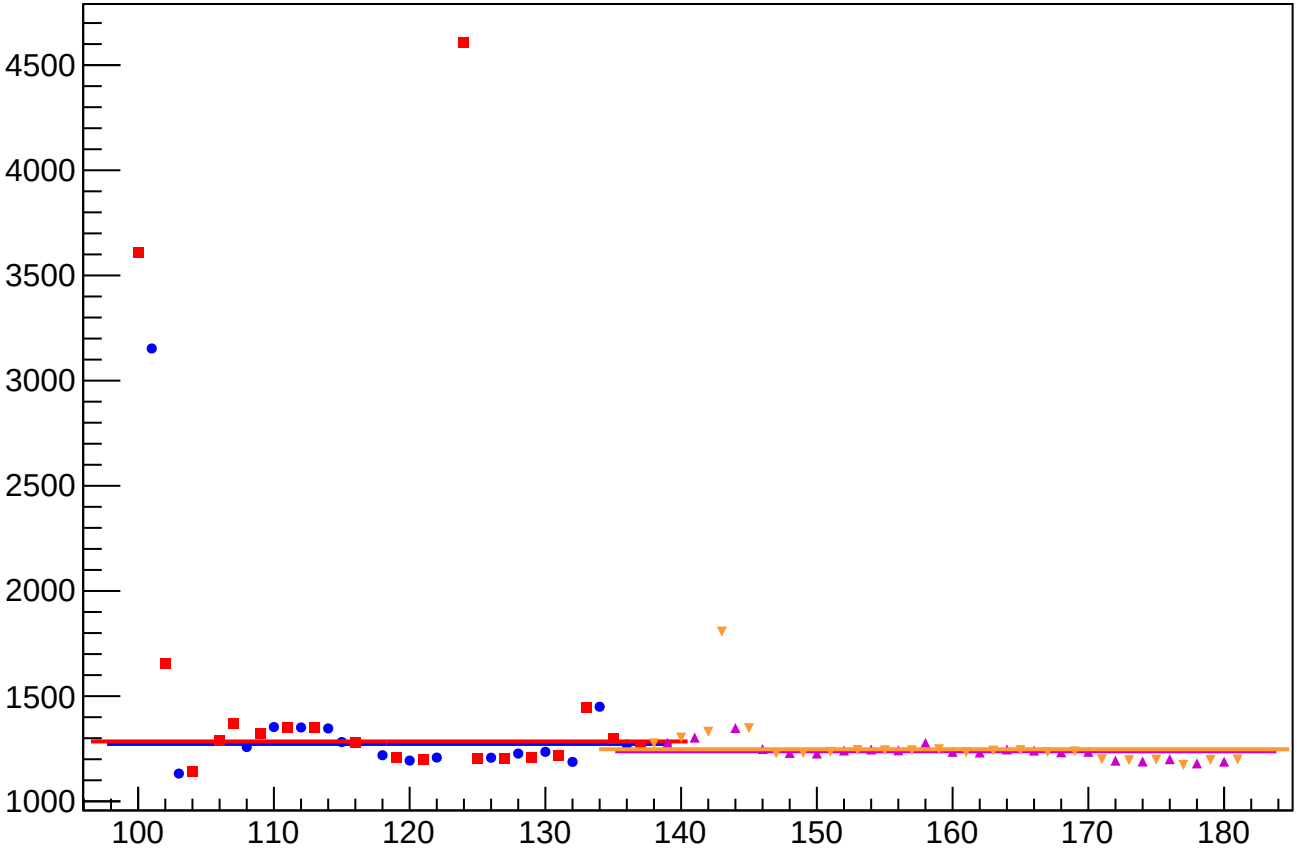
Left In: 130.707+/-298.110 χ^2/NDF:14.1/20

\+ sign 15.294+/-249.905 χ^2/NDF: 42.7/38

All: 115.612+/-177.946 χ^2/NDF: 74.3/78

\- sign 218.788+/-253.439 χ^2/NDF: 31.3/39

cor_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1247.563+/-0.207 χ^2/NDF:194718.0/22

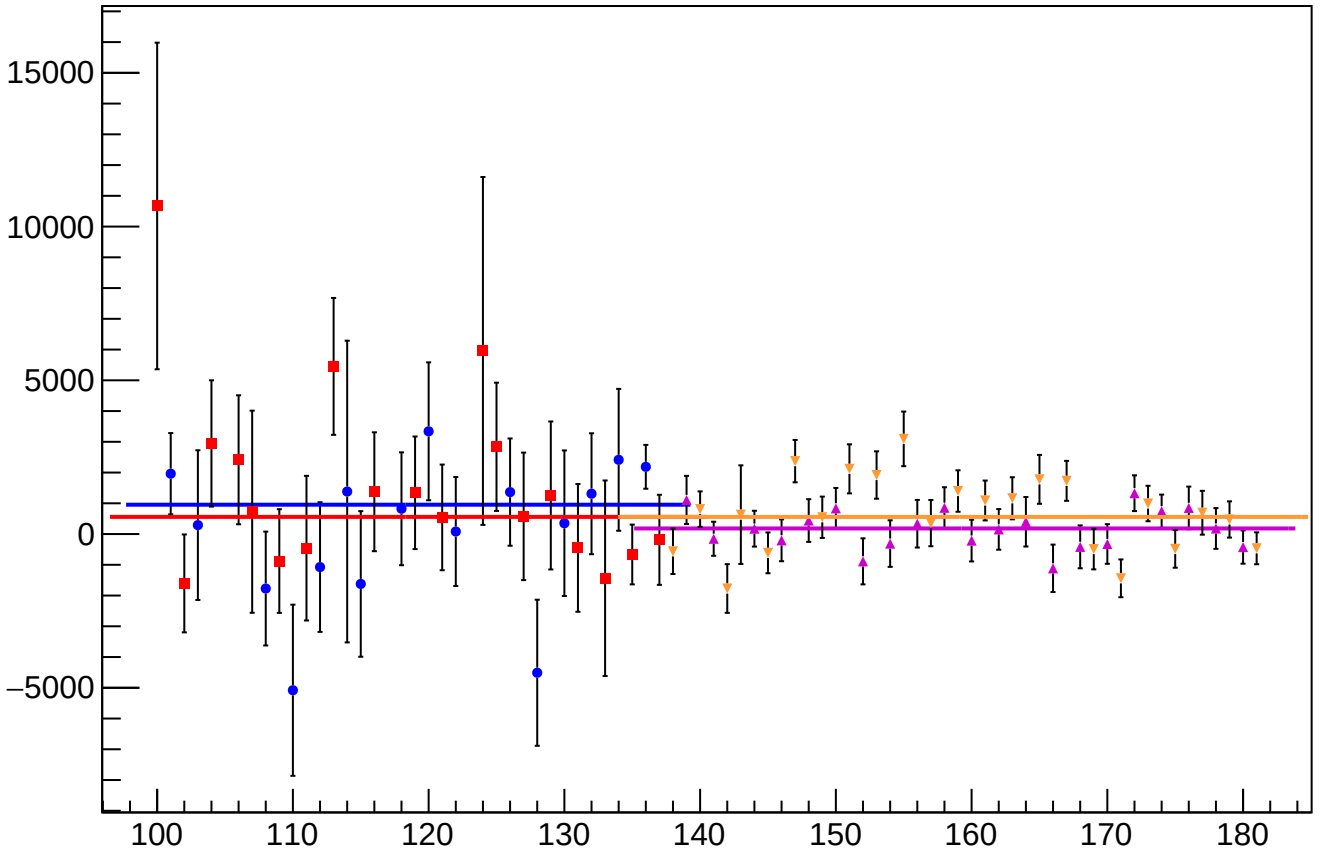
Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1237.704+/-0.211 χ^2/NDF:33897.0/20

+ sign 1254.336+/-0.177 χ^2/NDF: 718023.2/38

All: 1252.554+/-0.126 χ^2/NDF: 1094615.1/78

- sign 1250.720+/-0.179 χ^2/NDF: 376385.5/39



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 556.880+/-142.044 χ^2/NDF:65.5/22

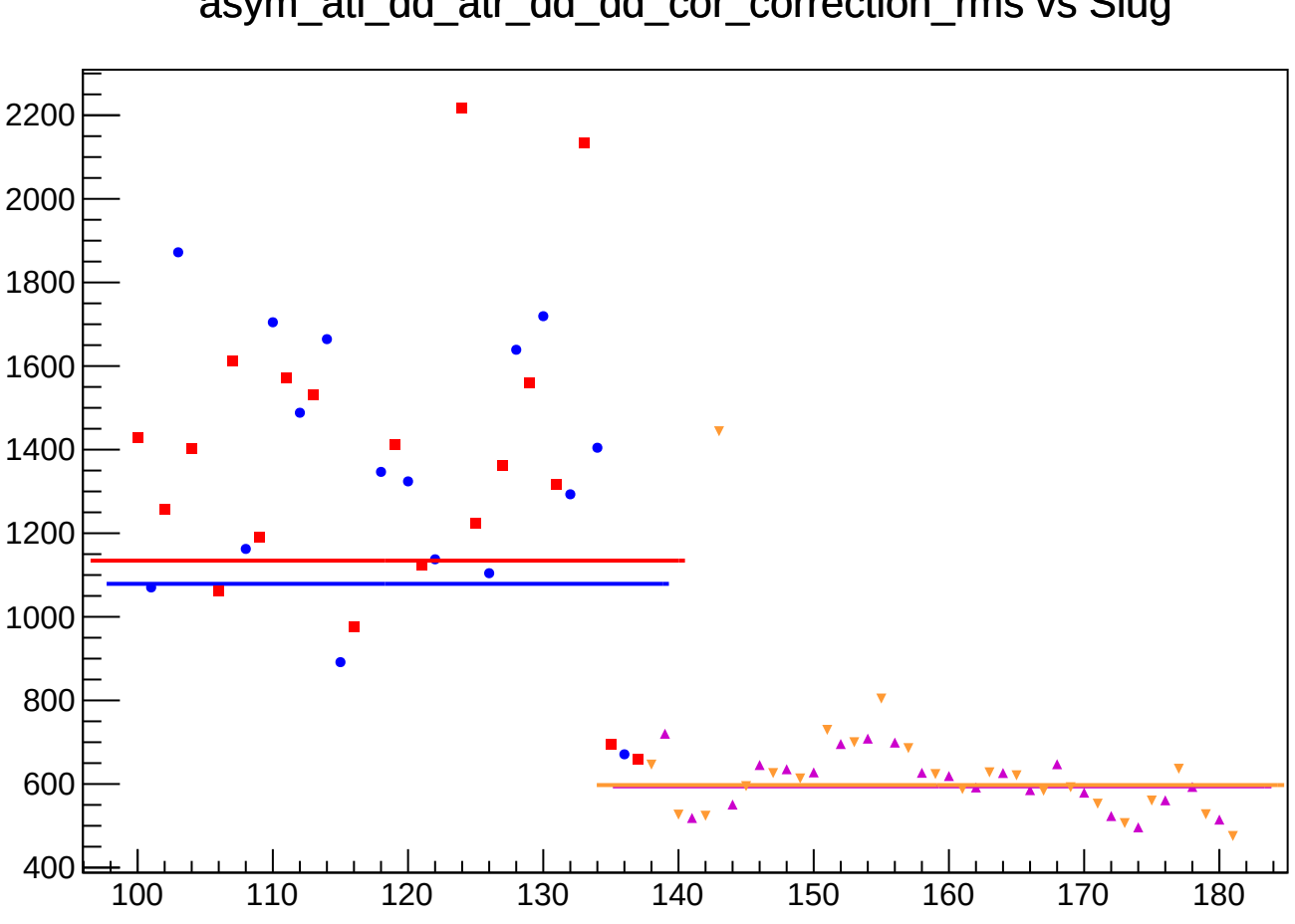
Right Out: 557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: 181.785+/-144.242 χ^2/NDF:18.4/20

+ sign 596.686+/-134.740 χ^2/NDF: 86.1/38

All: 410.699+/-96.095 χ^2/NDF: 127.5/78

- sign 218.173+/-137.087 χ^2/NDF: 37.5/39



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 597.480+/-0.100 χ^2/NDF:1066475.2/22

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

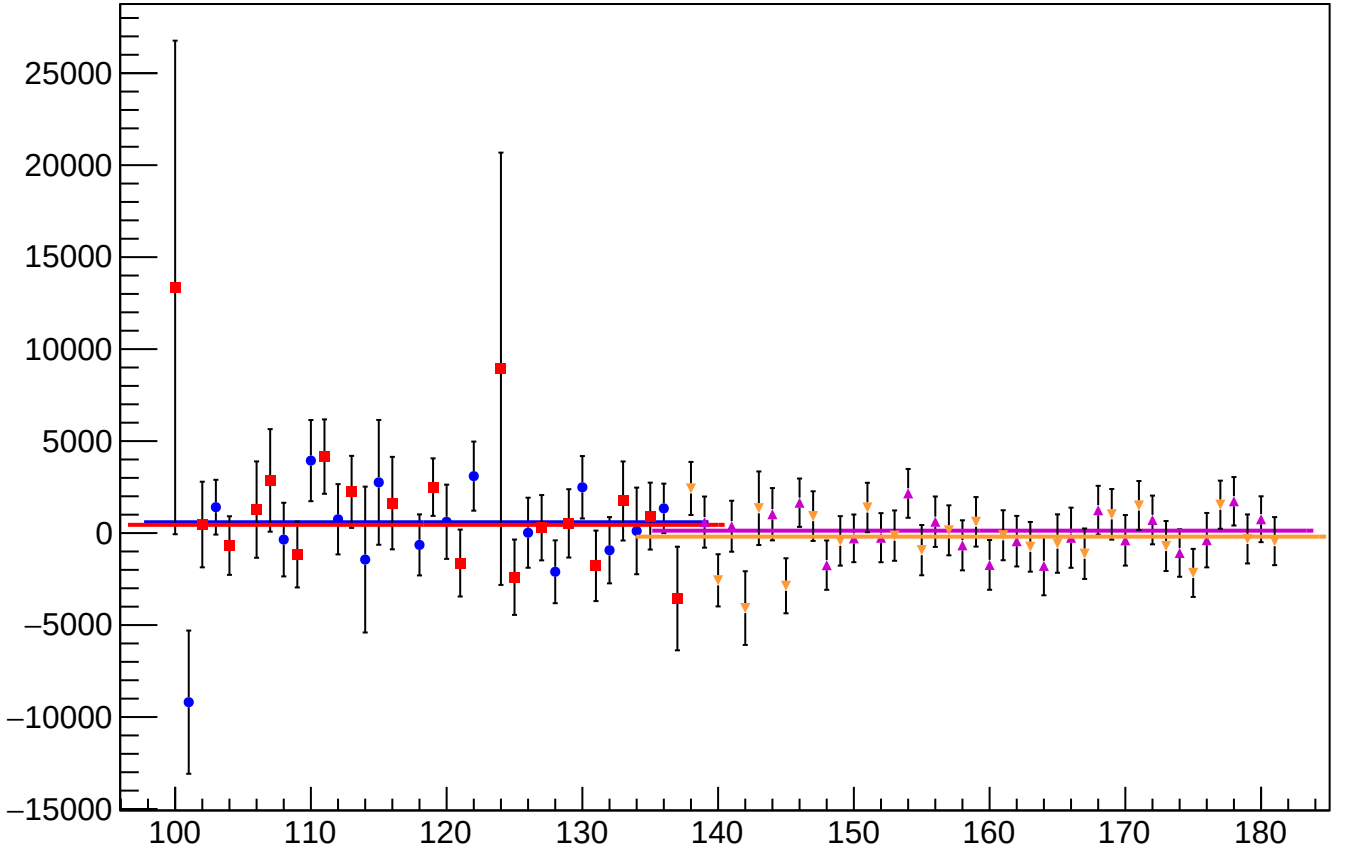
Left In: 594.330+/-0.102 χ^2/NDF:409059.0/20

+ sign 645.721+/-0.095 χ^2/NDF: 4847462.5/38

All: 646.142+/-0.068 χ^2/NDF: 9258081.3/78

- sign 646.577+/-0.097 χ^2/NDF: 4410579.2/39

eigen_cor_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -194.468+/-292.158 χ^2/NDF:23.8/22

Right Out: 448.412+/-481.333 χ^2/NDF: 16.8/18

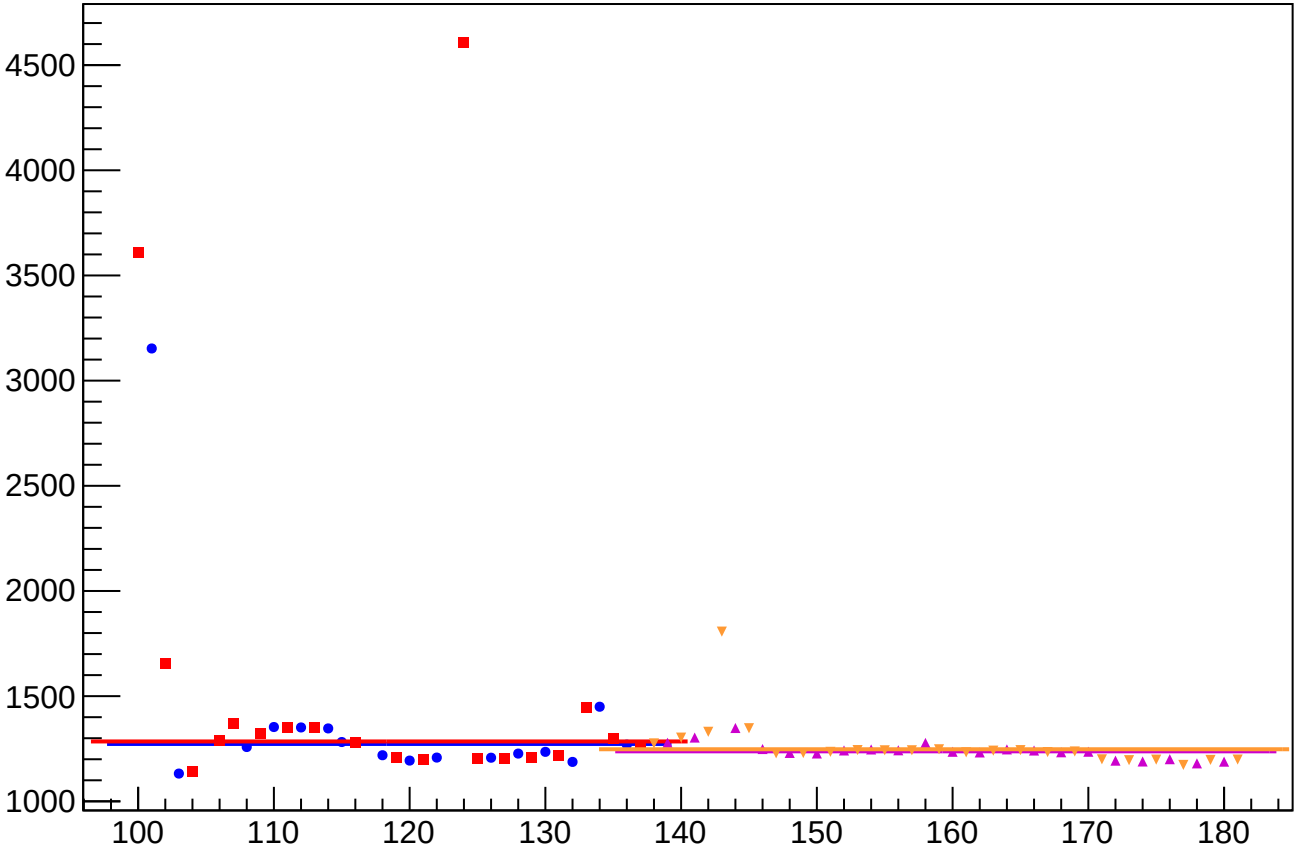
Left In: 130.707+/-298.110 χ^2/NDF:14.1/20

\+ sign 15.294+/-249.905 χ^2/NDF: 42.7/38

All: 115.612+/-177.946 χ^2/NDF: 74.3/78

\- sign 218.788+/-253.439 χ^2/NDF: 31.3/39

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: 1247.563+/-0.207 χ^2/NDF:194718.0/22

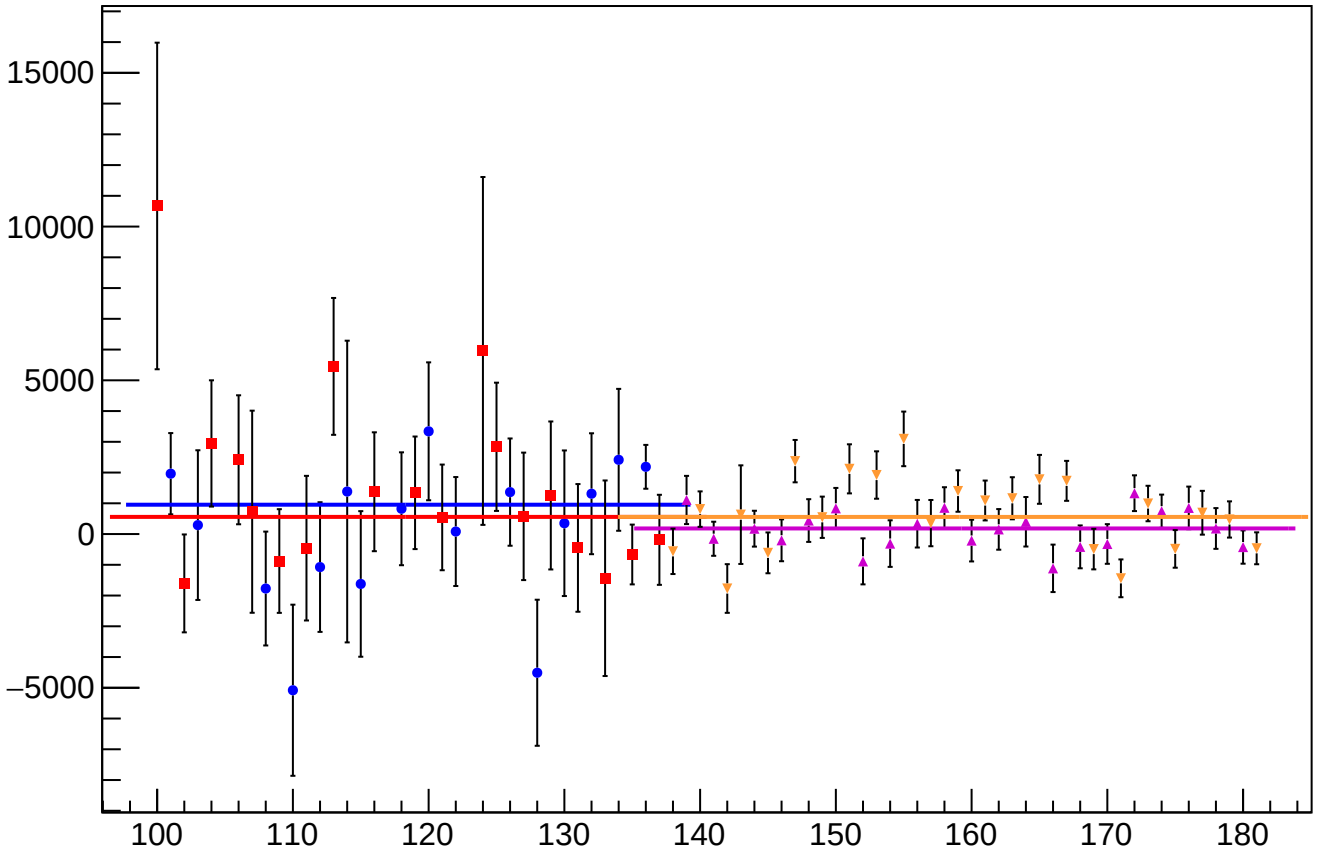
Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1237.704+/-0.211 χ^2/NDF:33897.0/20

+ sign 1254.336+/-0.177 χ^2/NDF: 718023.2/38

All: 1252.554+/-0.126 χ^2/NDF: 1094615.1/78

- sign 1250.720+/-0.179 χ^2/NDF: 376385.5/39



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 556.880+/-142.044 χ^2/NDF:65.5/22

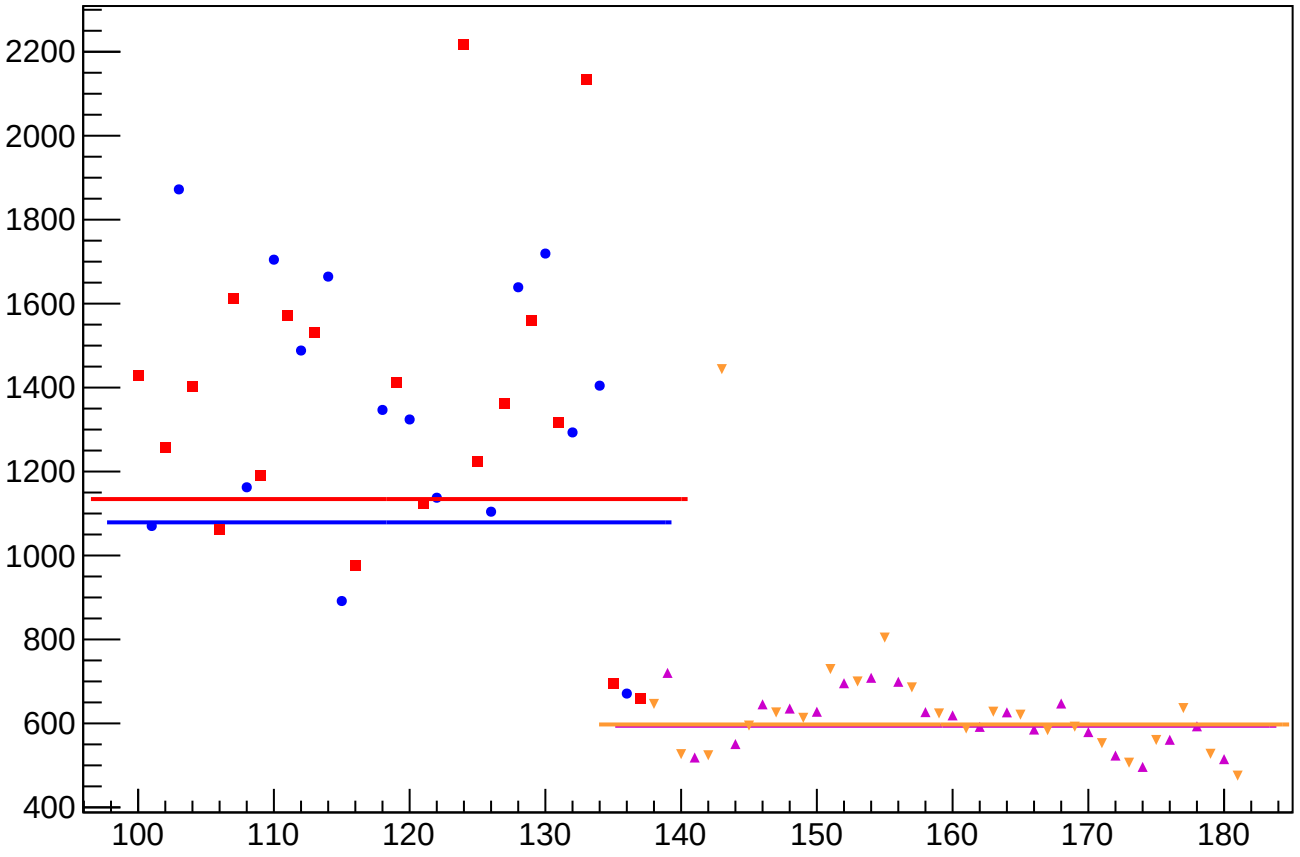
Right Out: 557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: 181.785+/-144.242 χ^2/NDF:18.4/20

+ sign 596.686+/-134.740 χ^2/NDF: 86.1/38

All: 410.699+/-96.095 χ^2/NDF: 127.5/78

- sign 218.173+/-137.087 χ^2/NDF: 37.5/39



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 597.480+/-0.100 χ^2/NDF:1066475.2/22

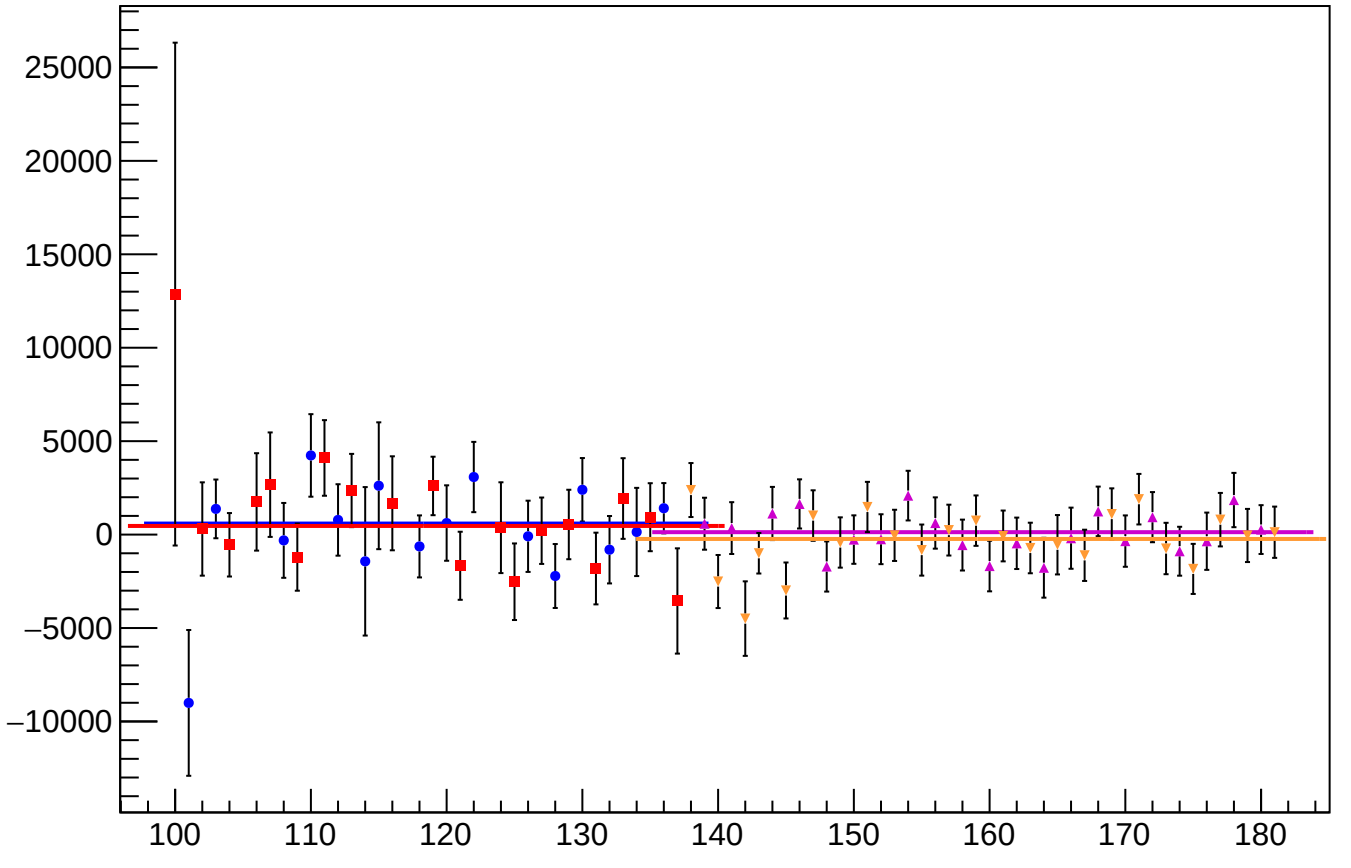
Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 594.330+/-0.102 χ^2/NDF:409059.0/20

+ sign 645.721+/-0.095 χ^2/NDF: 4847462.5/38

All: 646.142+/-0.068 χ^2/NDF: 9258081.3/78

- sign 646.577+/-0.097 χ^2/NDF: 4410579.2/39



Right In: 590.322+/-485.483 χ^2/NDF: 17.1/15

Left Out: -233.091+/-288.376 χ^2/NDF:23.8/22

Right Out: 462.606+/-476.795 χ^2/NDF: 16.7/18

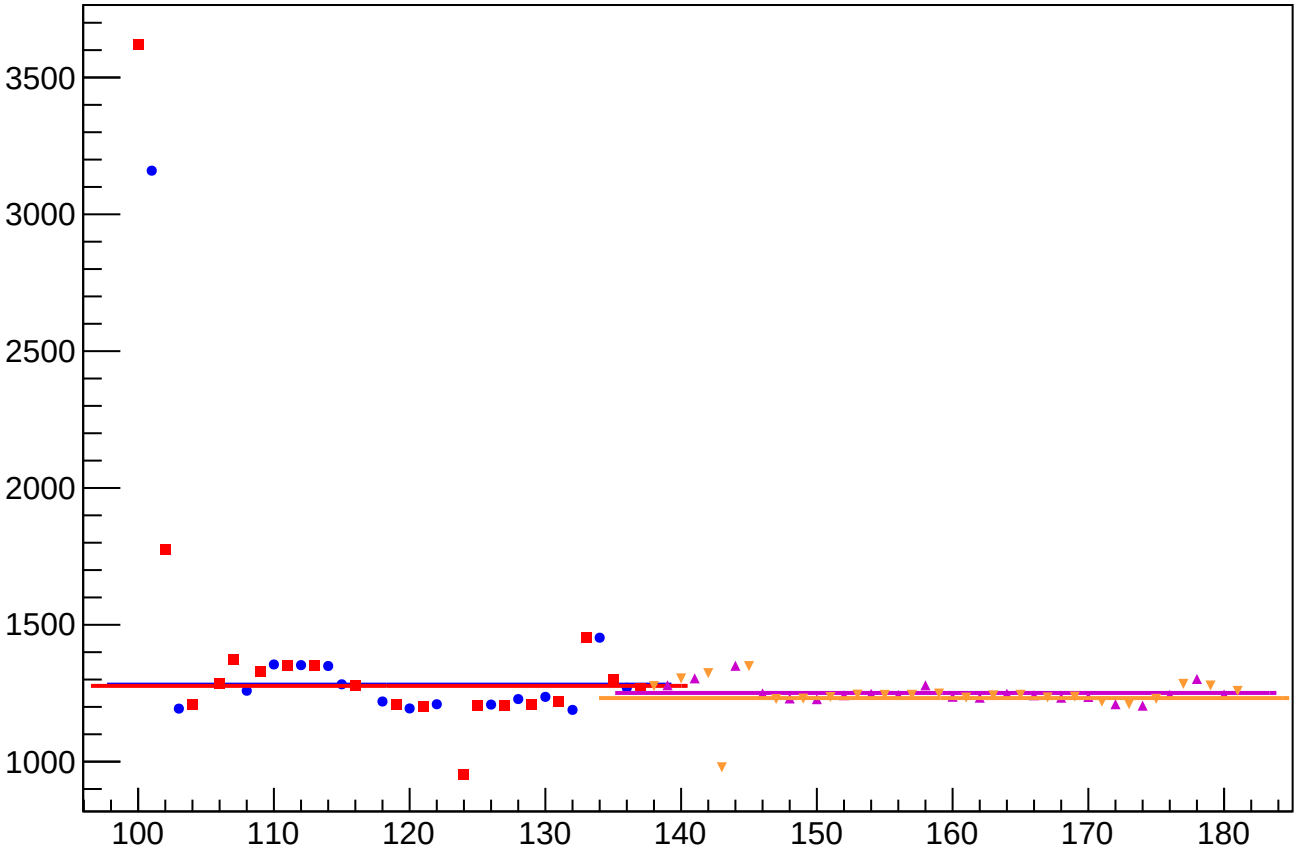
Left In: 129.589+/-301.288 χ^2/NDF:13.3/20

+ sign -18.336+/-247.935 χ^2/NDF: 43.1/38

All: 99.872+/-177.659 χ^2/NDF: 73.9/78

- sign 224.618+/-254.699 χ^2/NDF: 30.3/39

dit_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.4/15

Left Out: 1232.274+/-0.204 χ^2/NDF:139412.3/22

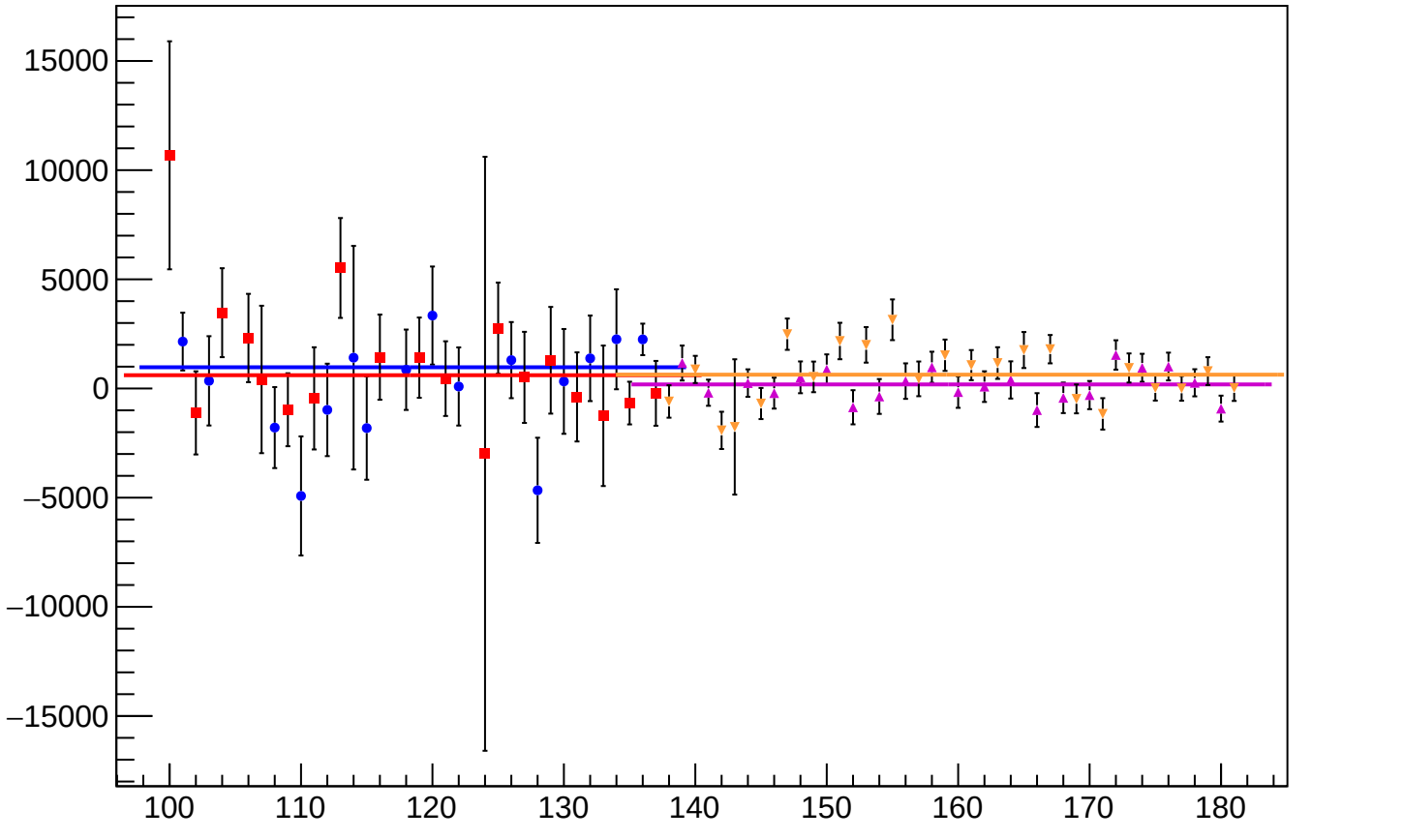
Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.6/18

Left In: 1251.042+/-0.213 χ^2/NDF:23686.5/20

+ sign 1245.079+/-0.175 χ^2/NDF: 661609.0/38

All: 1251.565+/-0.126 χ^2/NDF: 912813.1/78

- sign 1258.409+/-0.180 χ^2/NDF: 248391.1/39



Right In: 972.287+/-425.219 χ^2/NDF: 20.4/15

Left Out: 632.798+/-148.843 χ^2/NDF:56.4/22

Right Out: 608.431+/-447.734 χ^2/NDF: 17.1/18

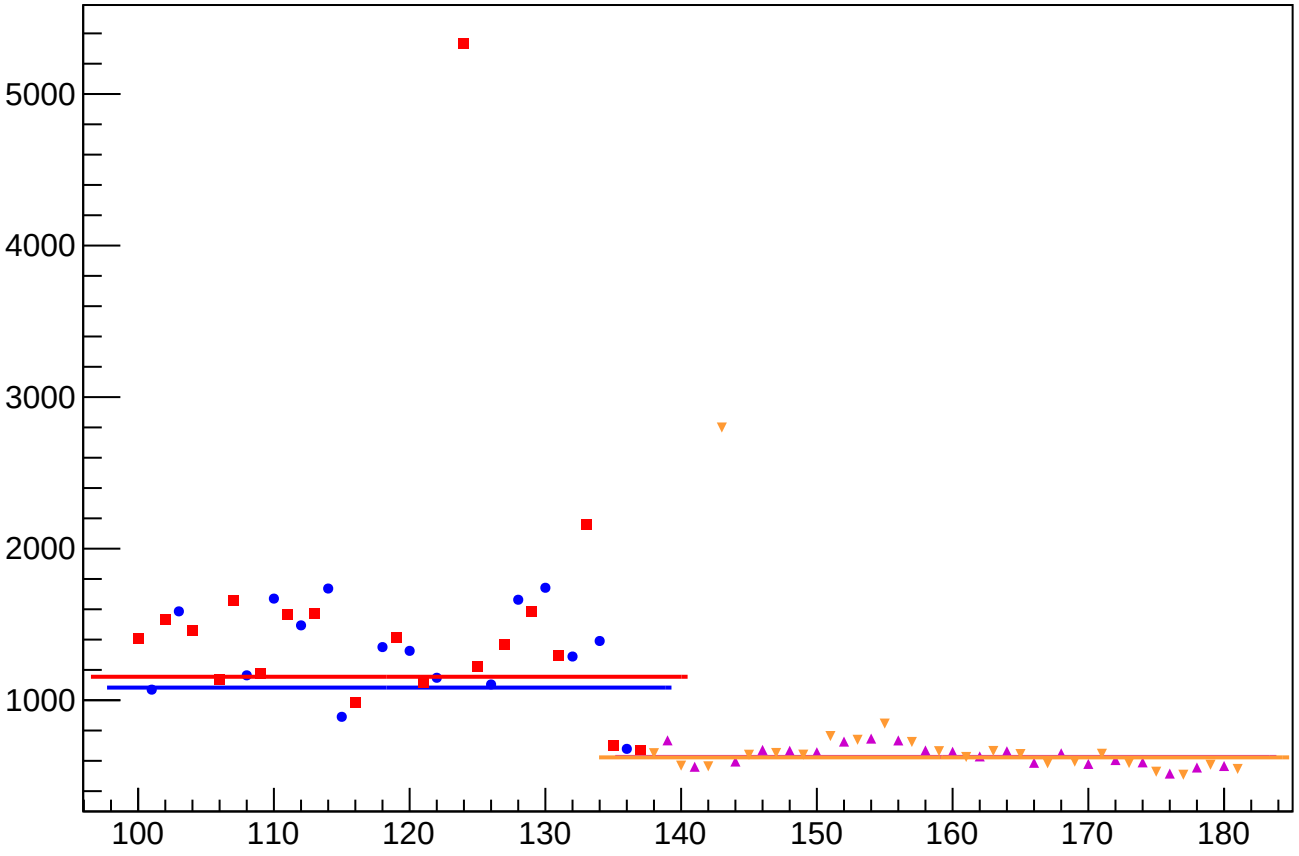
Left In: 186.286+/-151.674 χ^2/NDF:21.4/20

+ sign 669.854+/-140.485 χ^2/NDF: 77.4/38

All: 454.709+/-100.440 χ^2/NDF: 121.6/78

- sign 229.743+/-143.655 χ^2/NDF: 39.4/39

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: 622.823+/-0.105 χ^2/NDF:1478157.2/22

Right Out: 1154.724+/-0.317 χ^2/NDF: 1488304.5/18

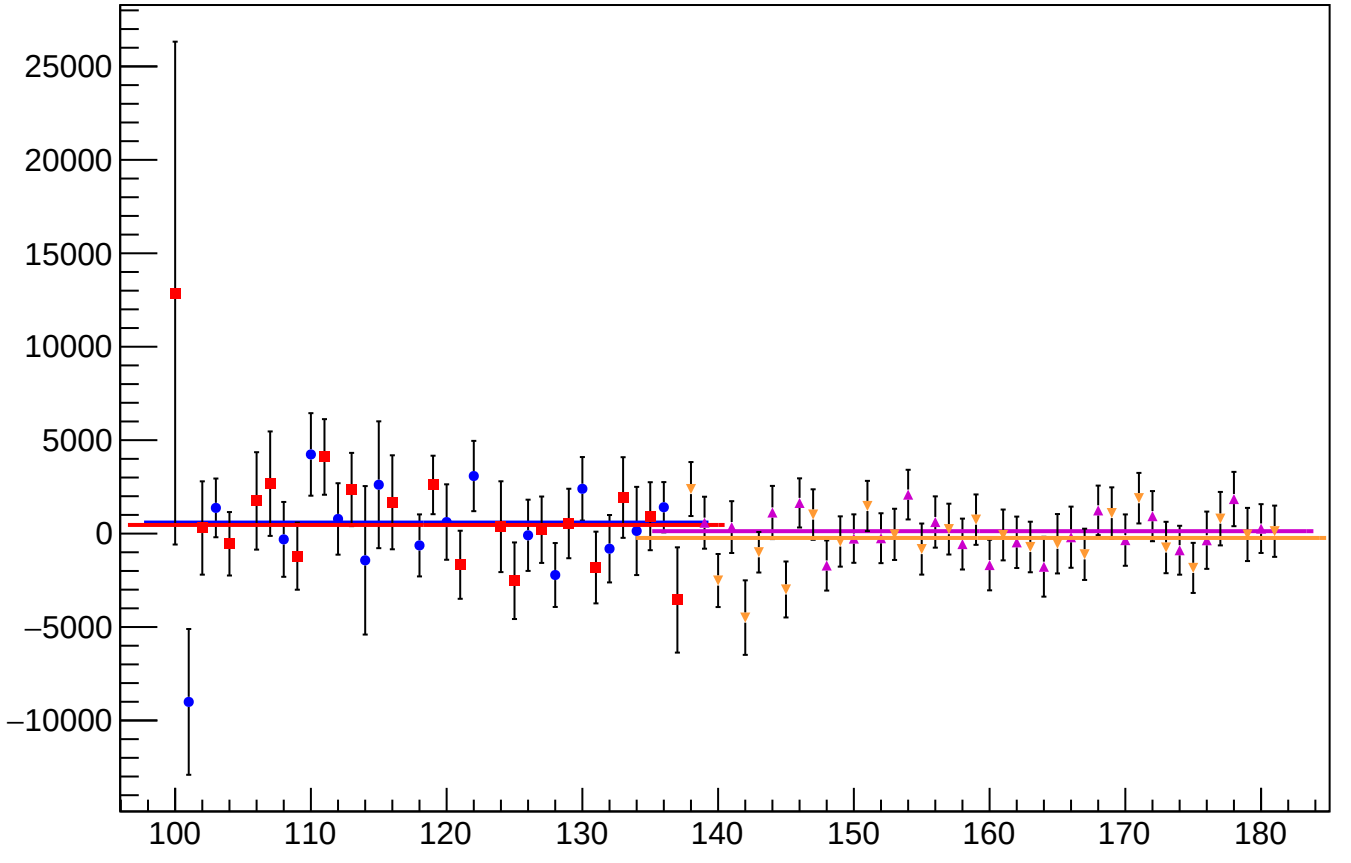
Left In: 625.775+/-0.107 χ^2/NDF:346031.4/20

+ sign 673.089+/-0.099 χ^2/NDF: 4928036.9/38

All: 676.579+/-0.071 χ^2/NDF: 9268911.3/78

- sign 680.228+/-0.102 χ^2/NDF: 4338350.0/39

eigen_dit_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 590.323+/-485.483 χ^2/NDF: 17.1/15

Left Out: -233.093+/-288.376 χ^2/NDF:23.8/22

Right Out: 462.605+/-476.795 χ^2/NDF: 16.7/18

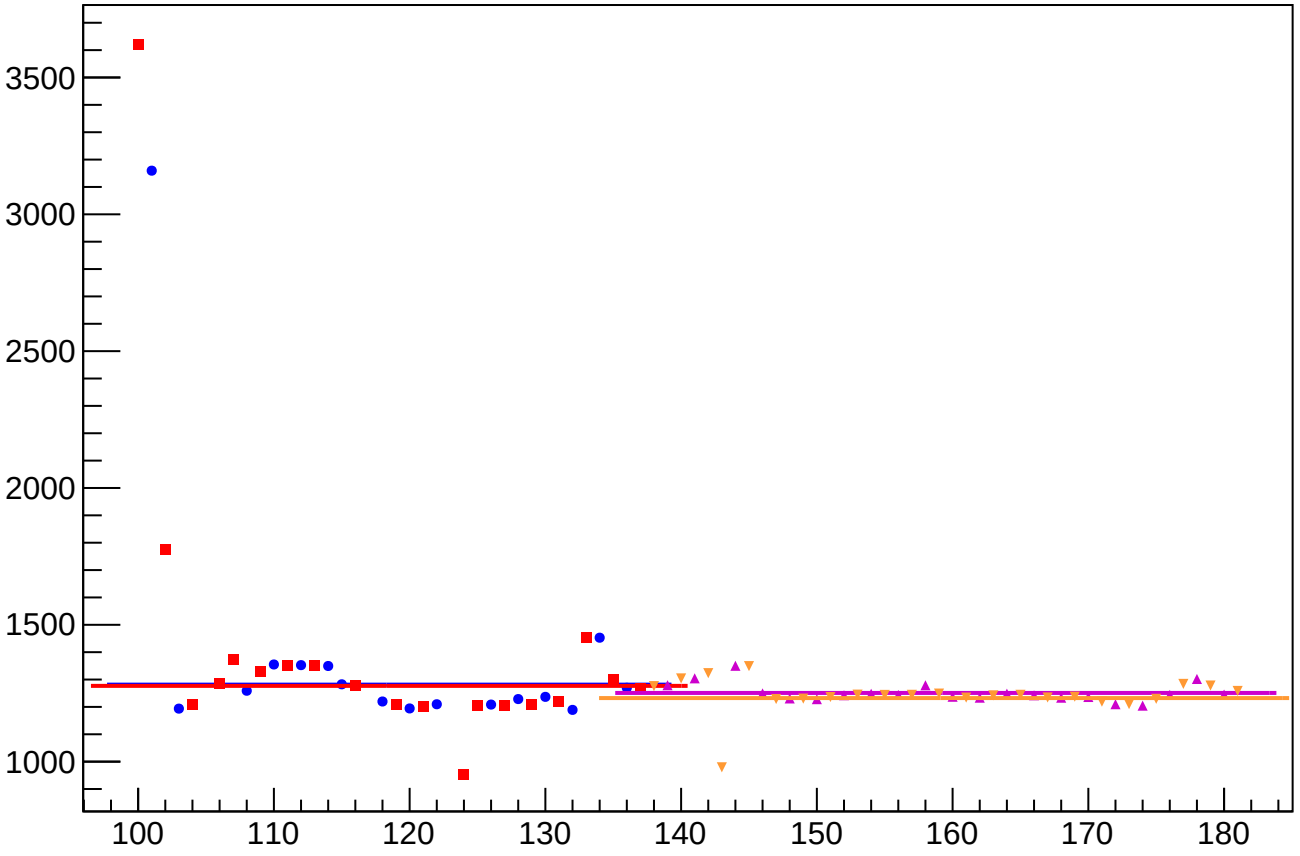
Left In: 129.589+/-301.288 χ^2/NDF:13.3/20

\+ sign -18.337+/-247.935 χ^2/NDF: 43.1/38

All: 99.871+/-177.659 χ^2/NDF: 73.9/78

\- sign 224.617+/-254.699 χ^2/NDF: 30.3/39

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: 1232.274+/-0.204 χ^2/NDF:139411.4/22

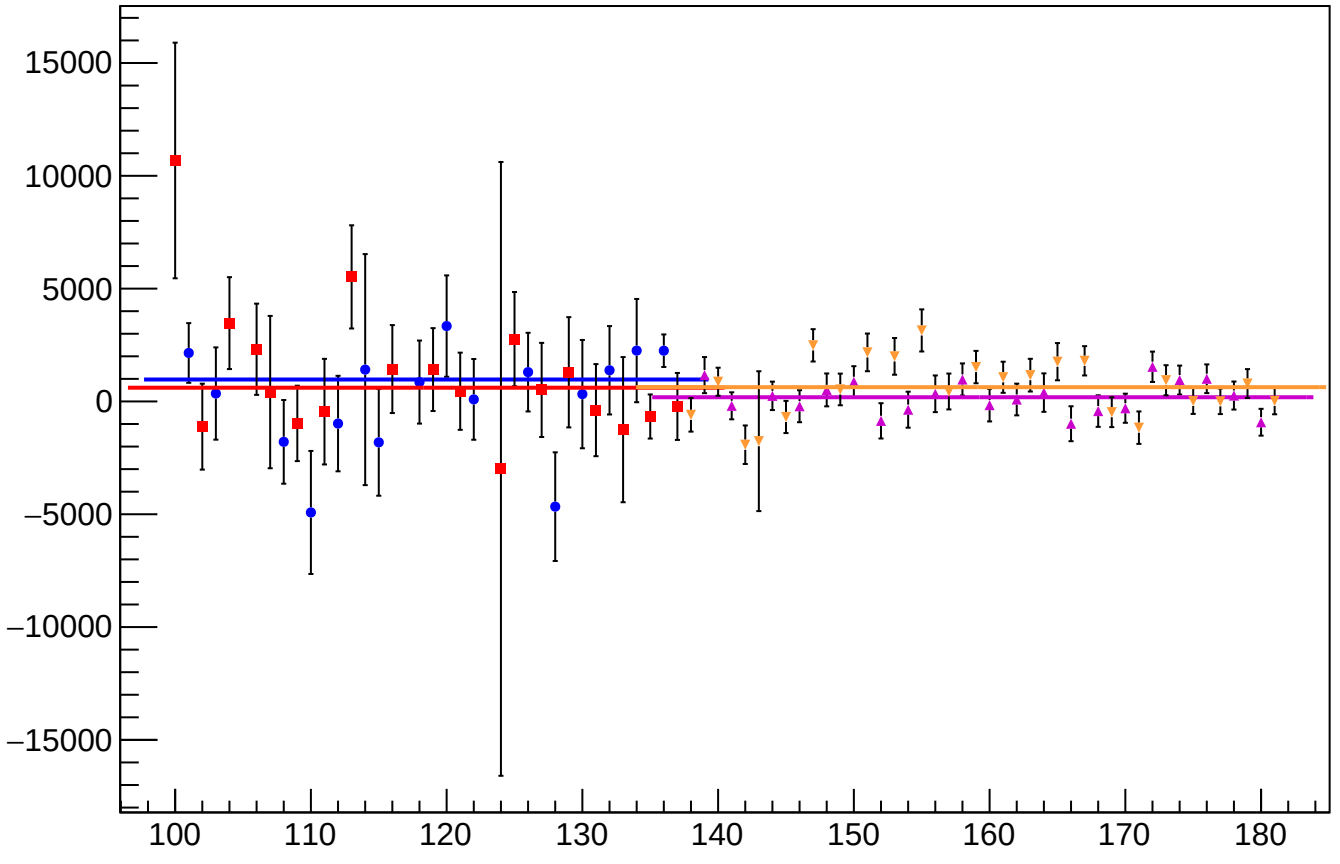
Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.5/18

Left In: 1251.041+/-0.213 χ^2/NDF:23686.5/20

+ sign 1245.079+/-0.175 χ^2/NDF: 661608.2/38

All: 1251.565+/-0.126 χ^2/NDF: 912812.2/78

- sign 1258.409+/-0.180 χ^2/NDF: 248391.0/39



Right In: 972.281+/-425.220 χ^2/NDF: 20.4/15

Left Out: 632.797+/-148.843 χ^2/NDF:56.4/22

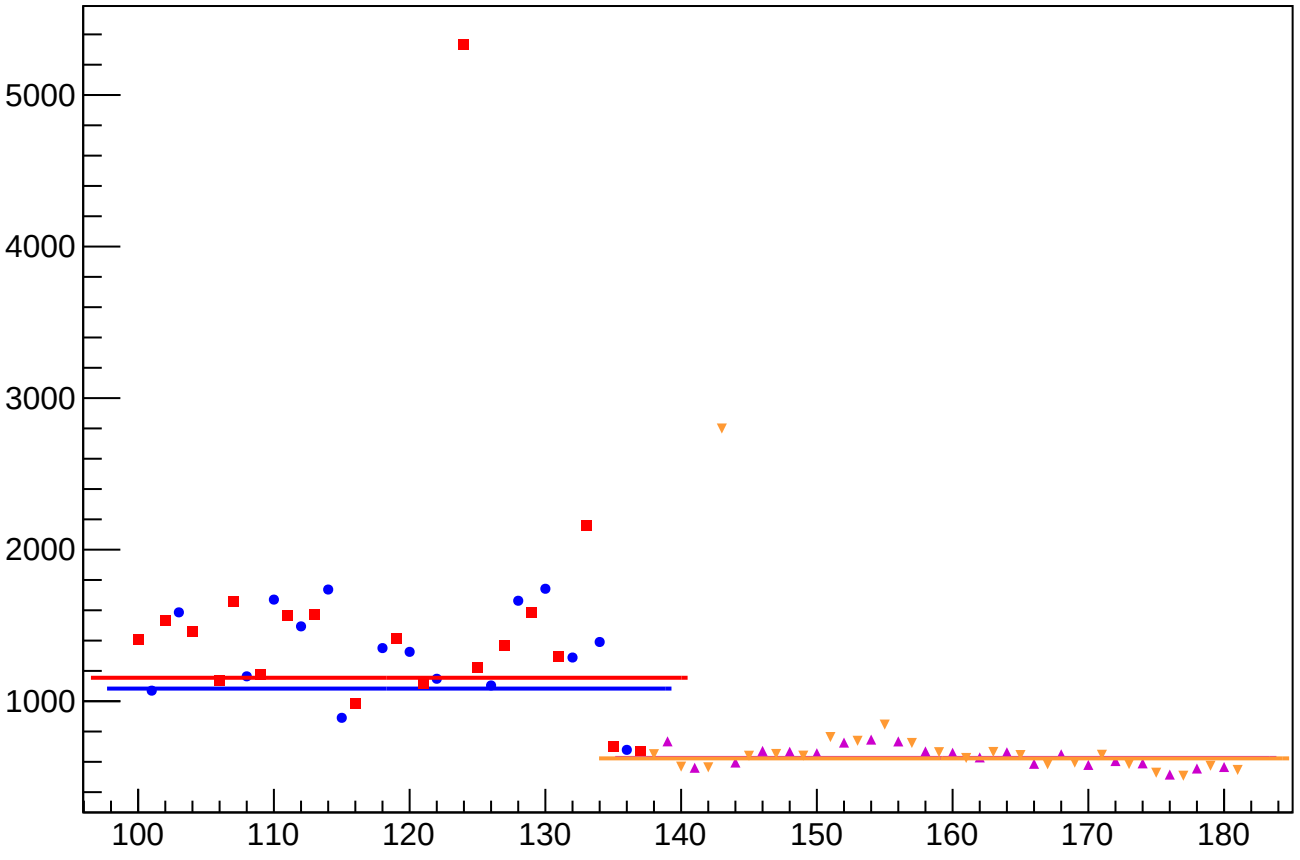
Right Out: 608.441+/-447.736 χ^2/NDF: 17.1/18

Left In: 186.285+/-151.674 χ^2/NDF:21.4/20

+ sign 669.853+/-140.485 χ^2/NDF: 77.4/38

All: 454.708+/-100.440 χ^2/NDF: 121.6/78

- sign 229.743+/-143.655 χ^2/NDF: 39.4/39



Right In: 1083.341+/-0.301 χ^2/NDF: 1360095.7/15

Left Out: 622.823+/-0.105 χ^2/NDF:1478156.7/22

Right Out: 1154.732+/-0.317 χ^2/NDF: 1488251.4/18

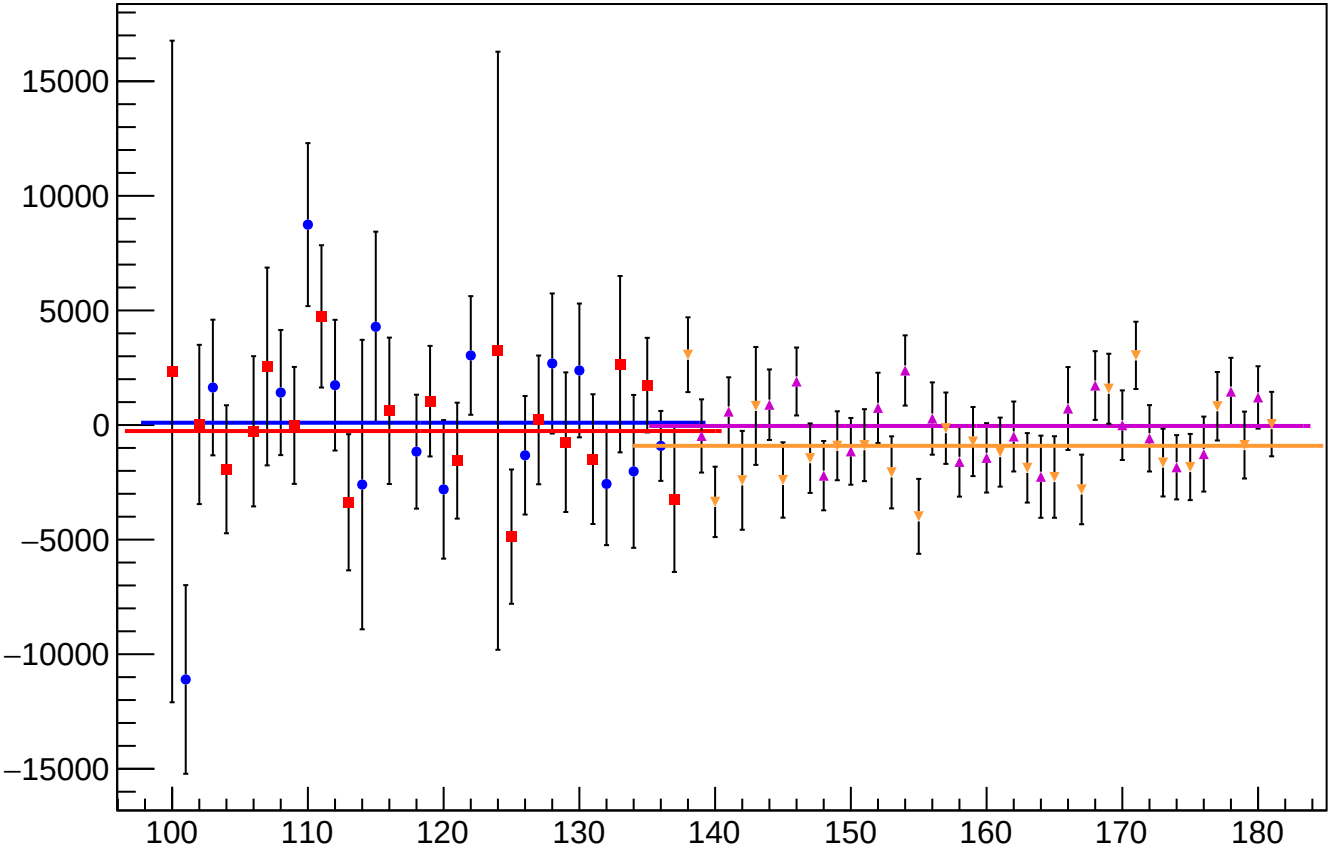
Left In: 625.774+/-0.107 χ^2/NDF:346038.2/20

+ sign 673.089+/-0.099 χ^2/NDF: 4928026.6/38

All: 676.578+/-0.071 χ^2/NDF: 9268913.5/78

- sign 680.227+/-0.102 χ^2/NDF: 4338363.1/39

asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 100.451+/-698.983 χ^2/NDF: 21.3/15

Left Out: -907.432+/-327.414 χ^2/NDF:29.6/22

Right Out: -262.731+/-699.724 χ^2/NDF: 10.3/18

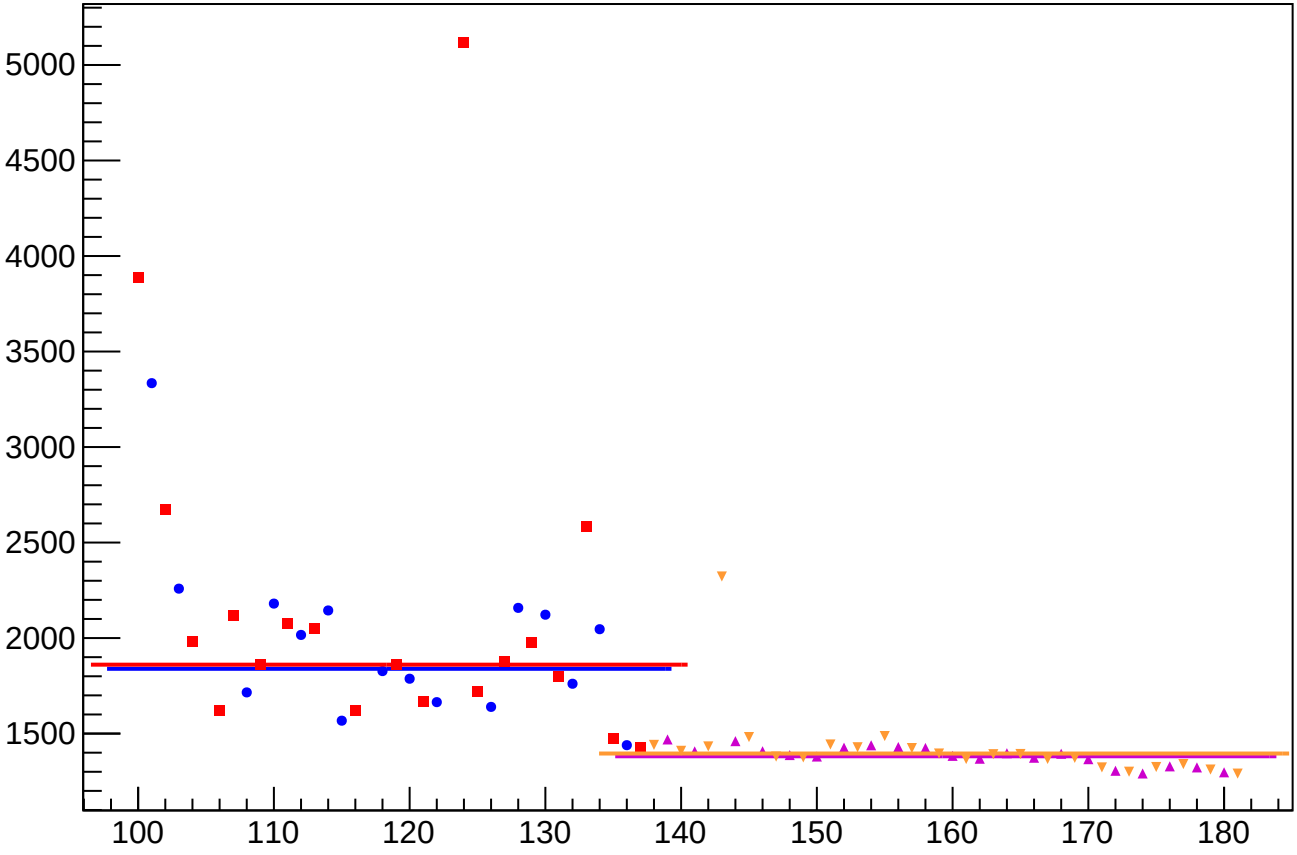
Left In: -40.582+/-332.765 χ^2/NDF:17.1/20

+ sign -726.081+/-296.498 χ^2/NDF: 52.6/38

All: -408.153+/-211.061 χ^2/NDF: 82.5/78

- sign -81.557+/-300.513 χ^2/NDF: 27.5/39

asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1839.113+/-0.494 χ^2/NDF: 556725.4/15

Left Out: 1395.593+/-0.232 χ^2/NDF:318108.5/22

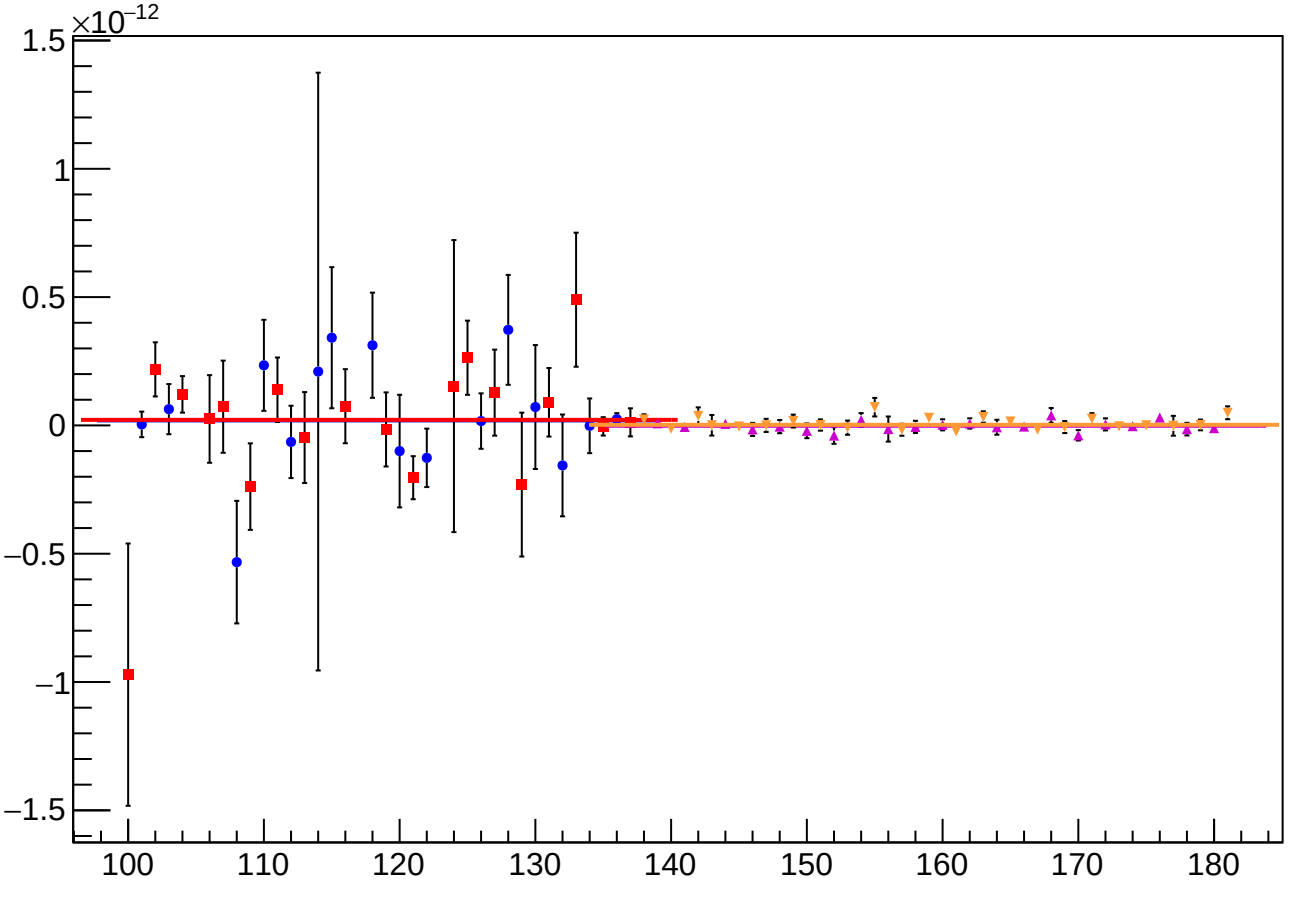
Right Out: 1860.754+/-0.495 χ^2/NDF: 522114.2/18

Left In: 1381.208+/-0.235 χ^2/NDF:47958.1/20

+ sign 1475.397+/-0.210 χ^2/NDF: 1535185.4/38

All: 1472.567+/-0.149 χ^2/NDF: 2871747.3/78

- sign 1469.660+/-0.212 χ^2/NDF: 1336192.6/39



Right In: 0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:22.2/22

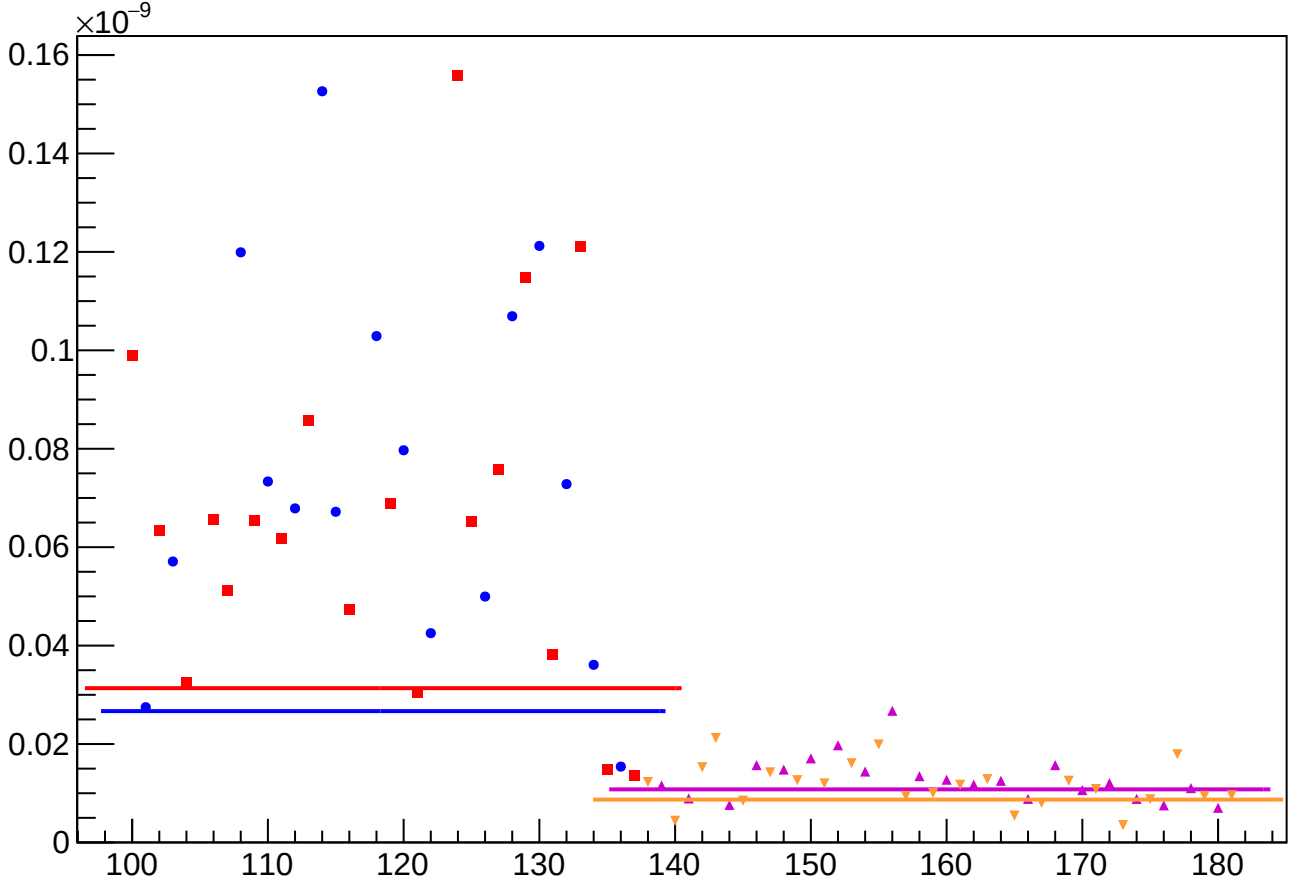
Right Out: 0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: -0.000+/-0.000 χ^2/NDF:13.4/20

+ sign 0.000+/-0.000 χ^2/NDF: 39.5/38

All: 0.000+/-0.000 χ^2/NDF: 82.5/78

- sign -0.000+/-0.000 χ^2/NDF: 42.6/39



Right In: 0.000+/-0.000 χ^2/NDF: 2580672.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:2119432.0/22

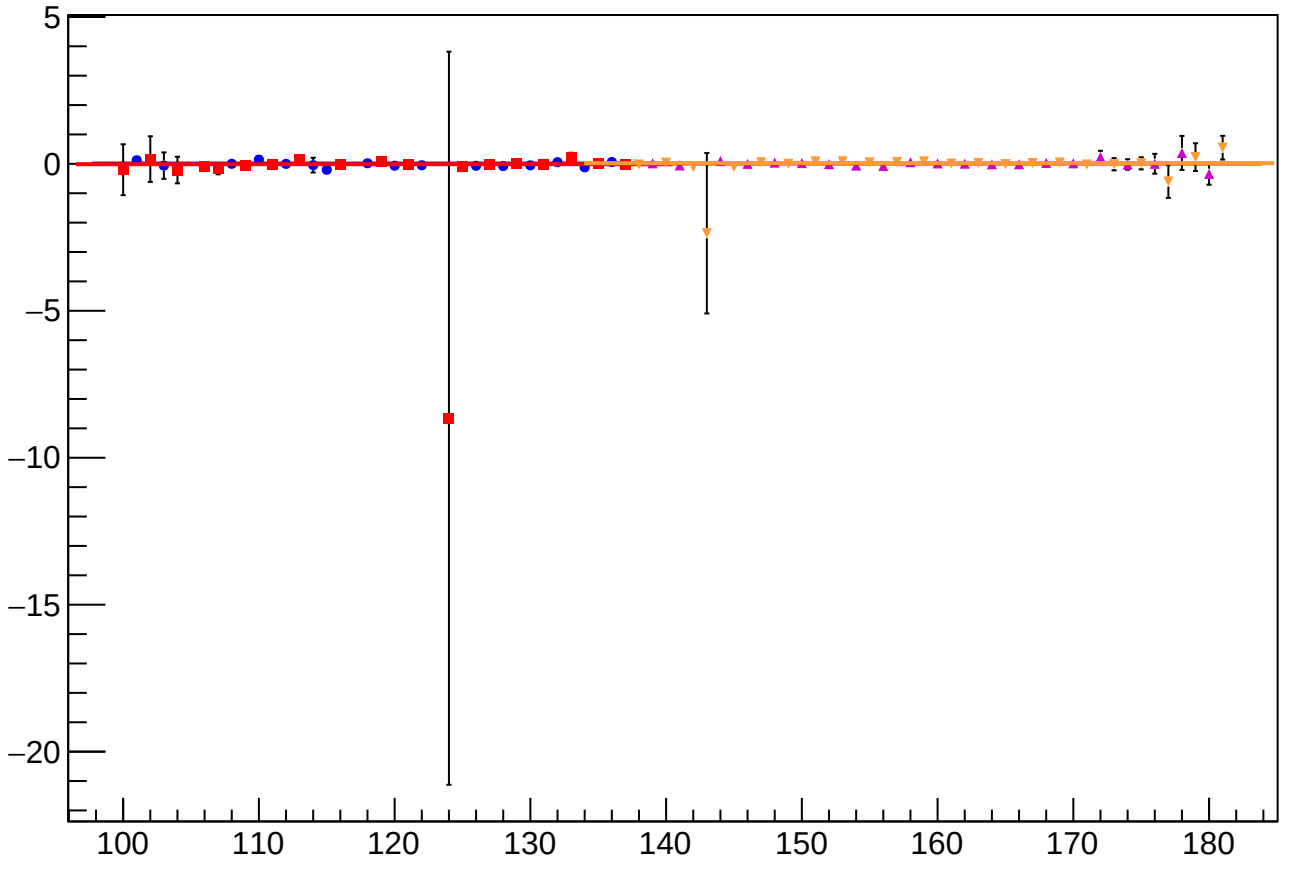
Right Out: 0.000+/-0.000 χ^2/NDF: 2275167.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1133312.5/20

+ sign 0.000+/-0.000 χ^2/NDF: 6452676.4/38

All: 0.000+/-0.000 χ^2/NDF: 11764813.3/78

- sign 0.000+/-0.000 χ^2/NDF: 5041567.8/39



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.023+/-0.010 χ^2/NDF:21.3/22

Right Out: -0.012+/-0.017 χ^2/NDF: 12.6/18

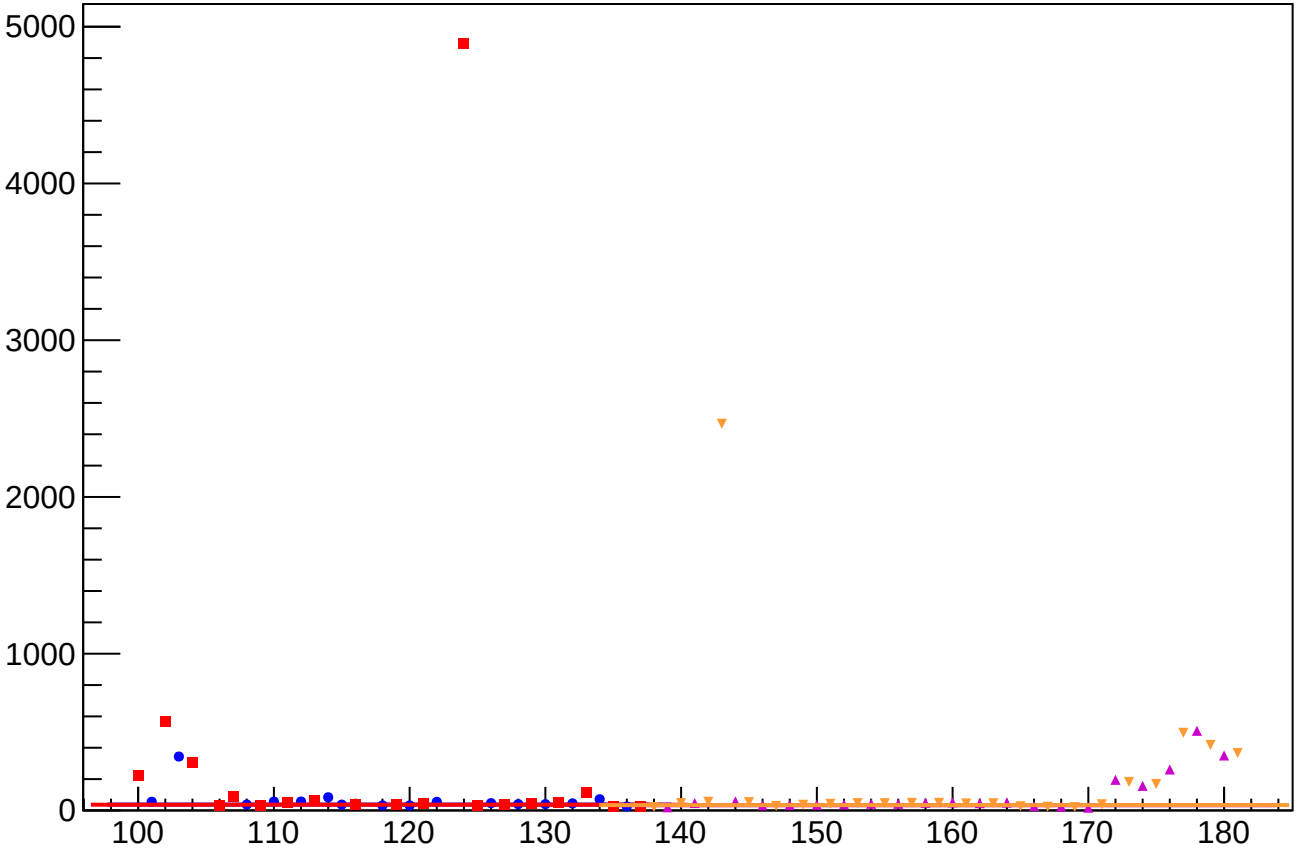
Left In: 0.010+/-0.010 χ^2/NDF:13.1/20

+ sign 0.019+/-0.009 χ^2/NDF: 41.1/38

All: 0.011+/-0.006 χ^2/NDF: 69.7/78

- sign 0.004+/-0.009 χ^2/NDF: 27.1/39

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: 34.216+/-0.007 χ^2/NDF:9907186.8/22

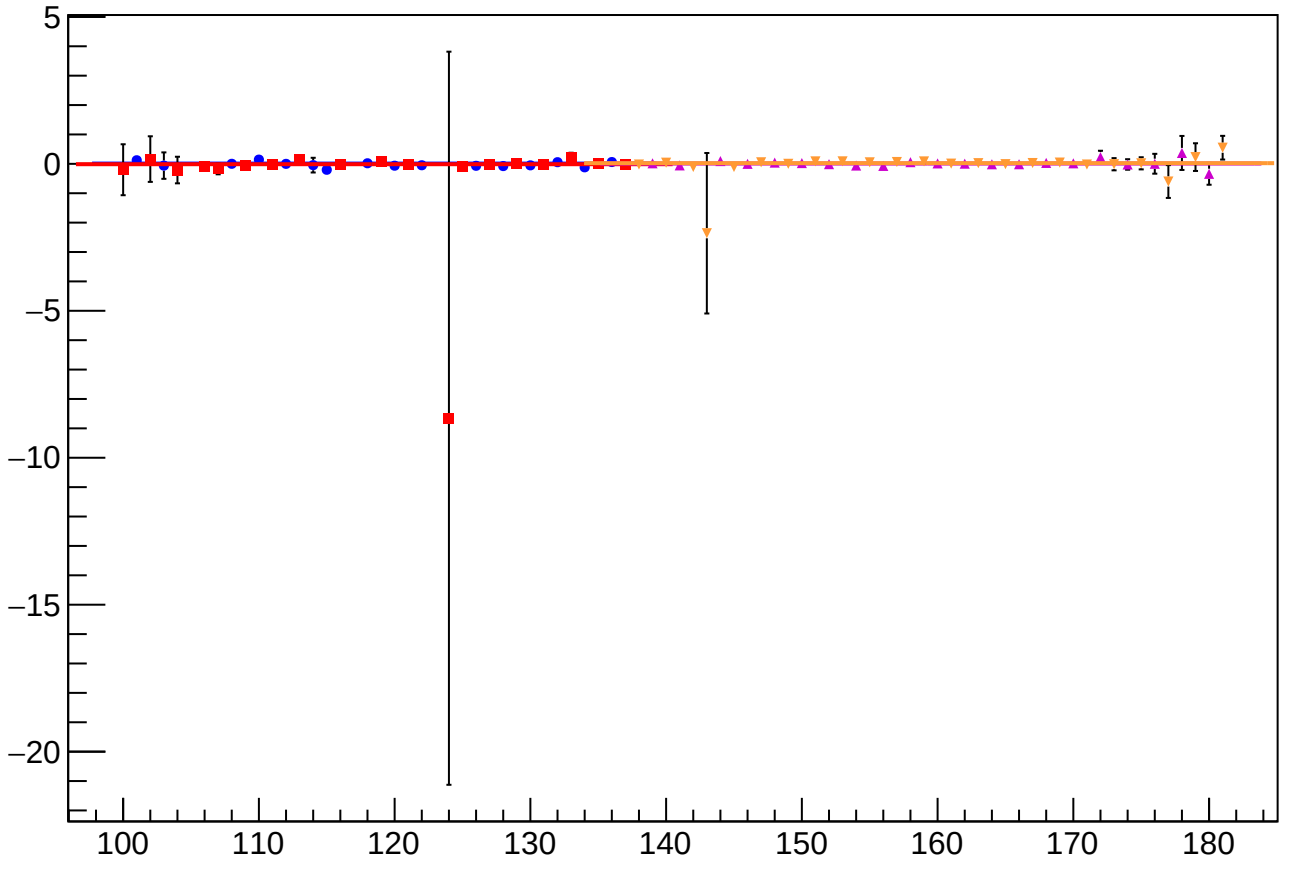
Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 33.186+/-0.007 χ^2/NDF:8540974.9/20

+ sign 35.159+/-0.006 χ^2/NDF: 11949705.6/38

All: 34.640+/-0.004 χ^2/NDF: 23764082.0/78

- sign 34.131+/-0.006 χ^2/NDF: 11800034.5/39



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.023+/-0.010 χ^2/NDF:21.3/22

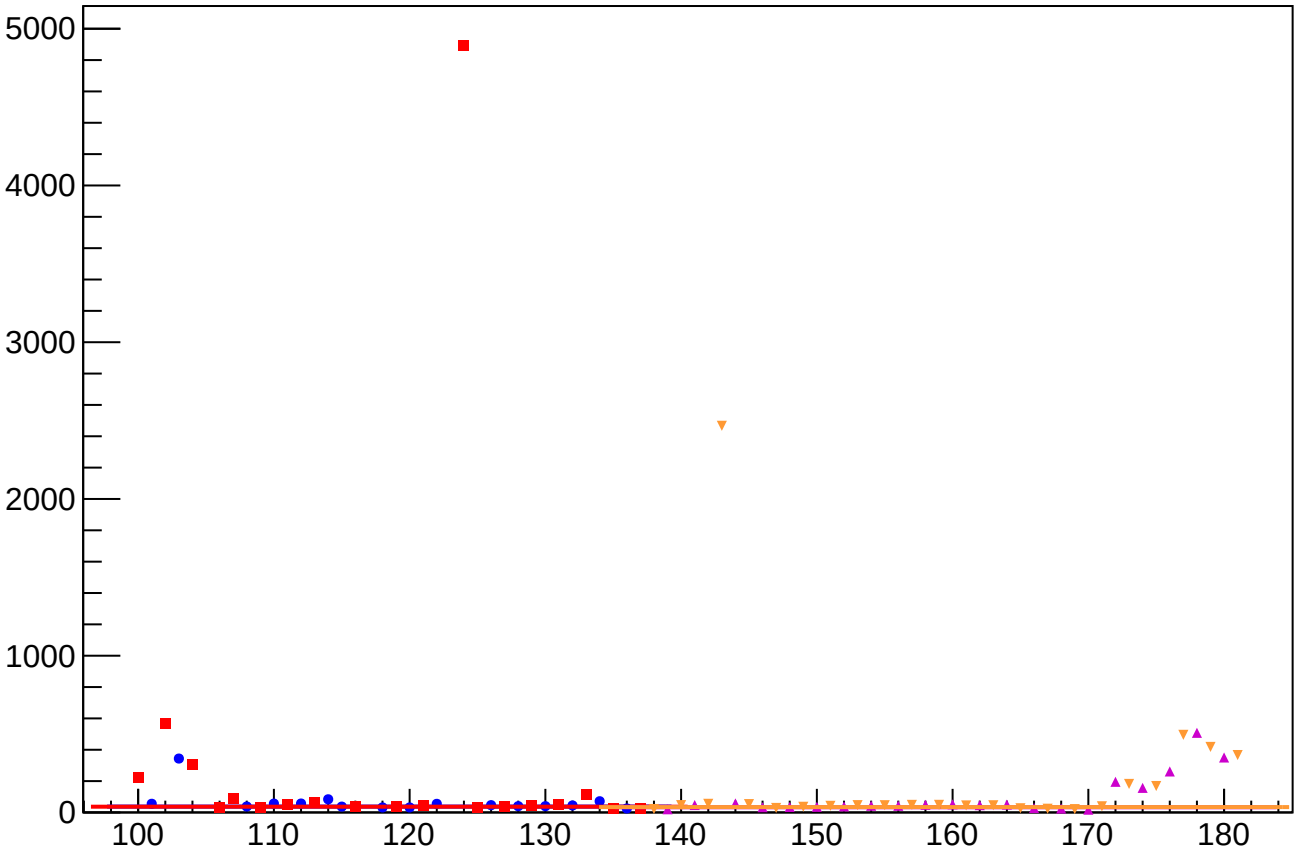
Right Out: -0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: 0.010+/-0.010 χ^2/NDF:13.1/20

+ sign 0.019+/-0.009 χ^2/NDF: 41.1/38

All: 0.011+/-0.006 χ^2/NDF: 69.7/78

- sign 0.004+/-0.009 χ^2/NDF: 27.1/39



Right In: 37.494+/-0.011 χ^2/NDF: 1983275.6/15

Left Out: 34.216+/-0.007 χ^2/NDF:9907186.8/22

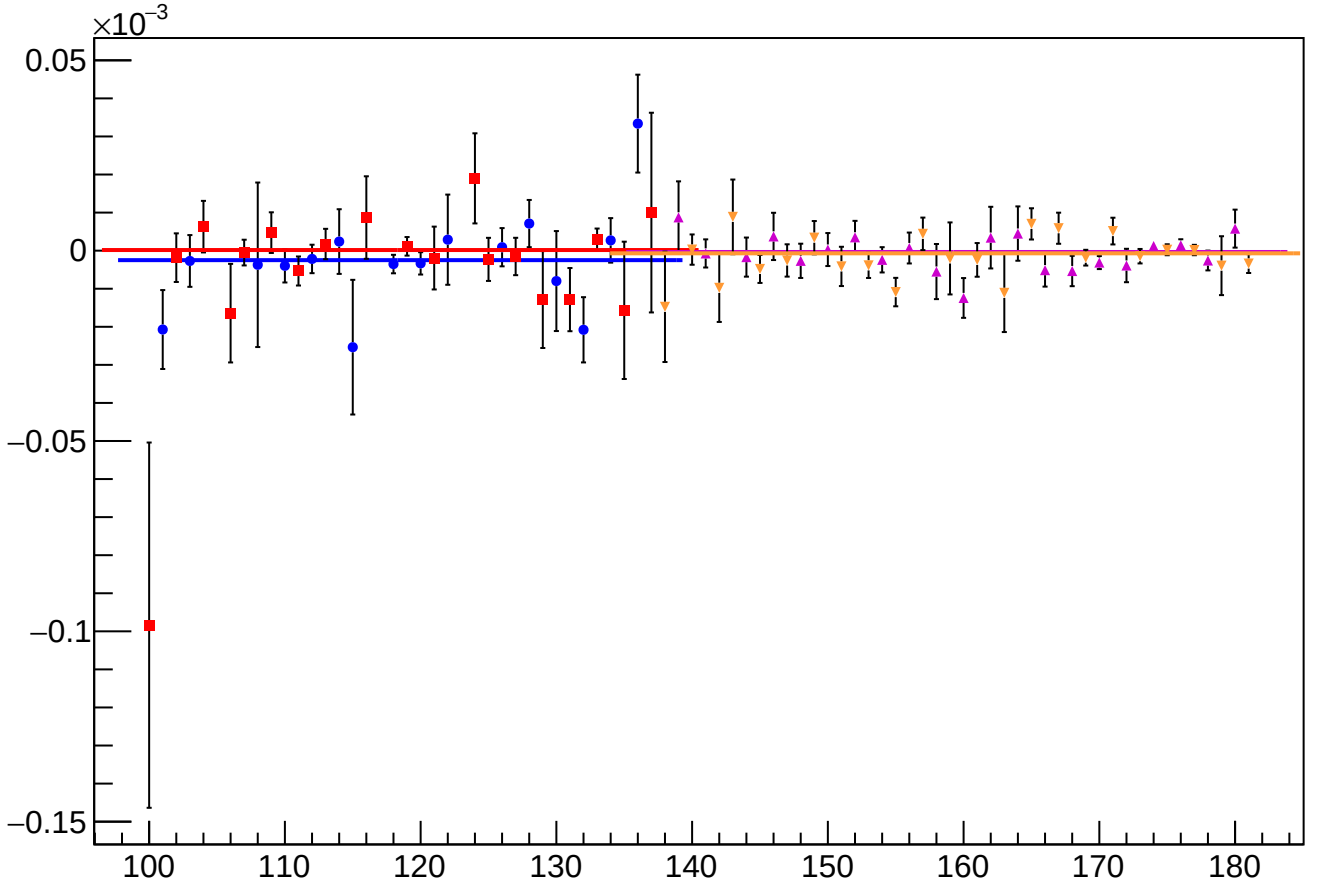
Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 33.186+/-0.007 χ^2/NDF:8540974.9/20

+ sign 35.159+/-0.006 χ^2/NDF: 11949705.6/38

All: 34.640+/-0.004 χ^2/NDF: 23764082.0/78

- sign 34.131+/-0.006 χ^2/NDF: 11800034.5/39



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:28.3/22

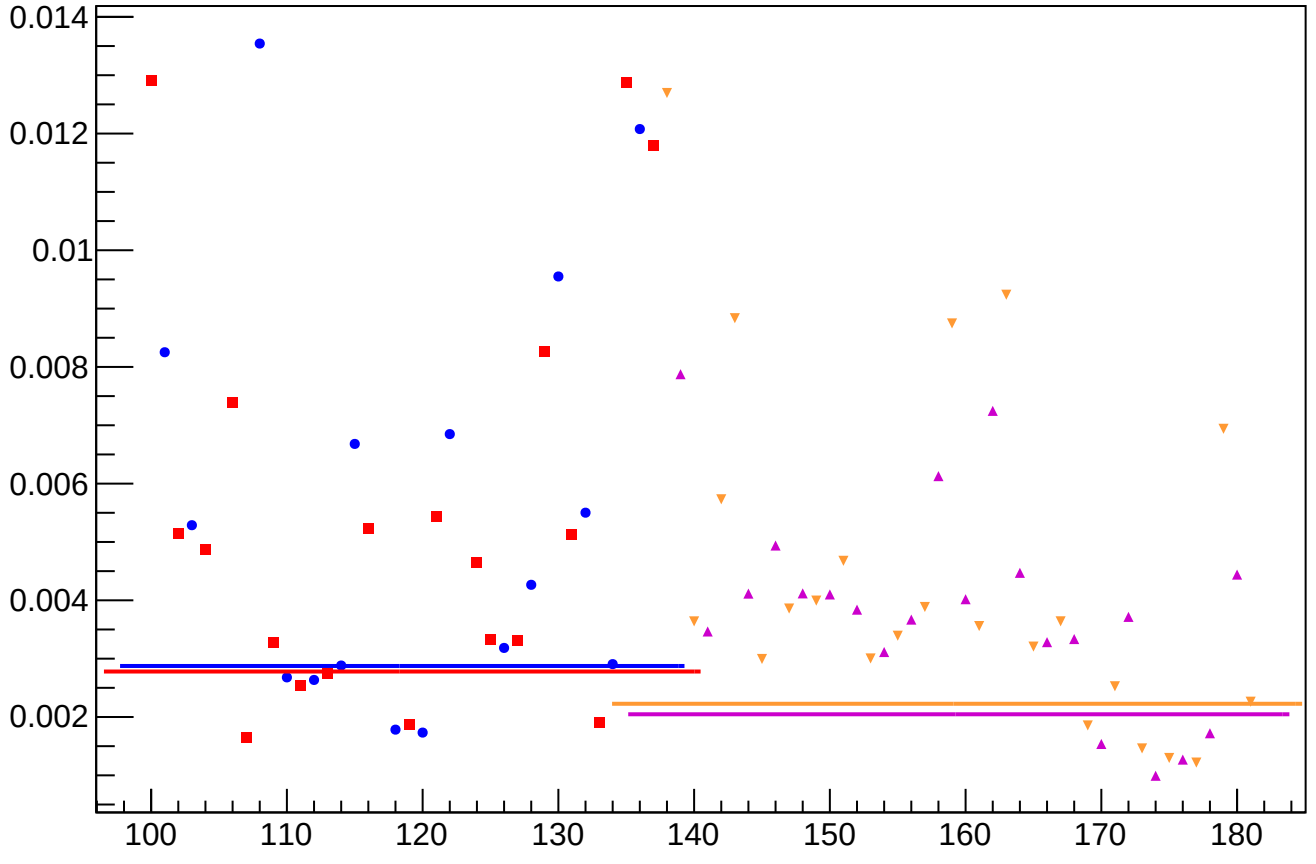
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: -0.000+/-0.000 χ^2/NDF:21.1/20

+ sign -0.000+/-0.000 χ^2/NDF: 51.7/38

All: -0.000+/-0.000 χ^2/NDF: 92.8/78

- sign -0.000+/-0.000 χ^2/NDF: 40.1/39



Right In: 0.003+/-0.000 χ^2/NDF: 4152056.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:9759075.4/22

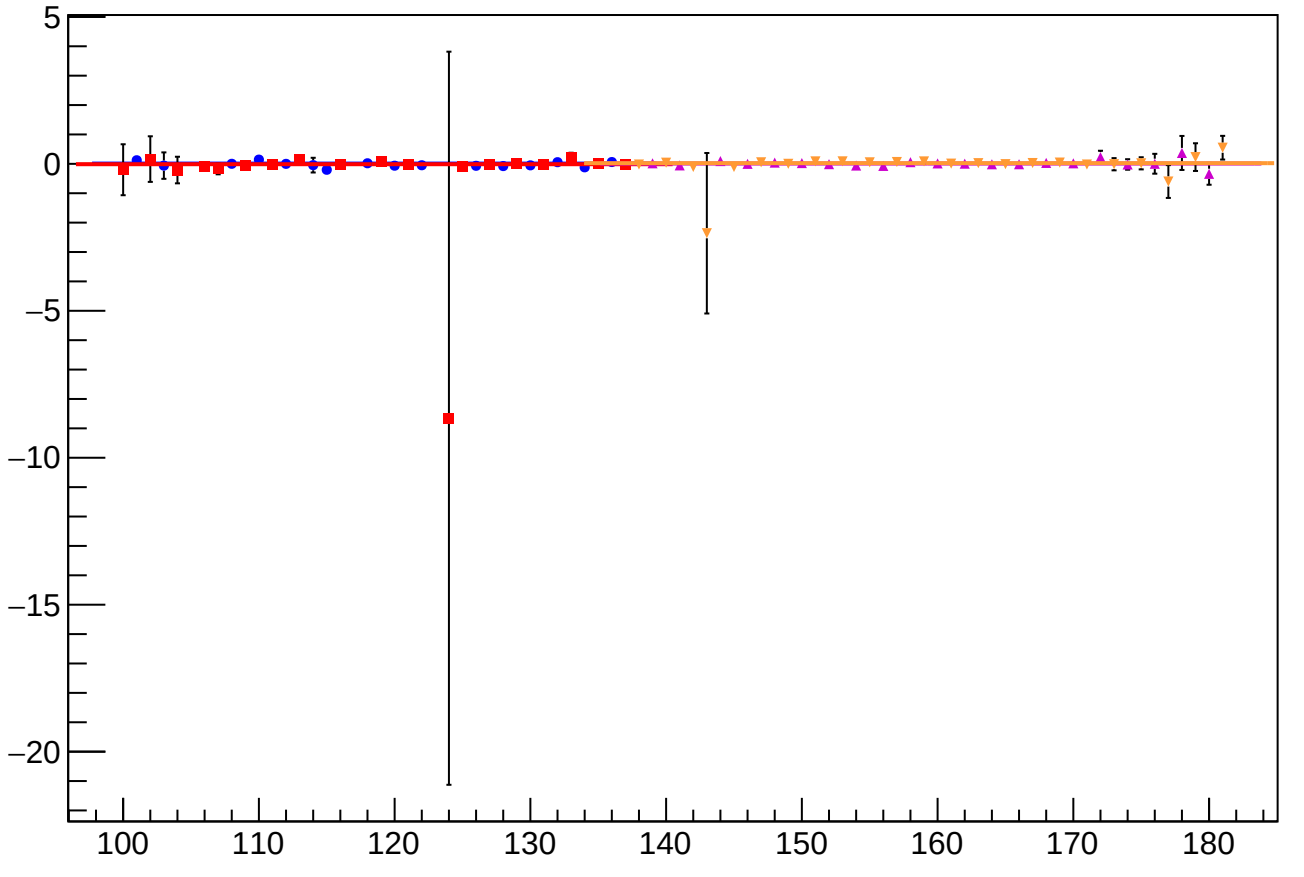
Right Out: 0.003+/-0.000 χ^2/NDF: 3311178.7/18

Left In: 0.002+/-0.000 χ^2/NDF:9246141.6/20

\+ sign 0.002+/-0.000 χ^2/NDF: 14310705.3/38

All: 0.002+/-0.000 χ^2/NDF: 27532220.3/78

\- sign 0.002+/-0.000 χ^2/NDF: 13161684.4/39



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.023+/-0.010 χ^2/NDF:21.3/22

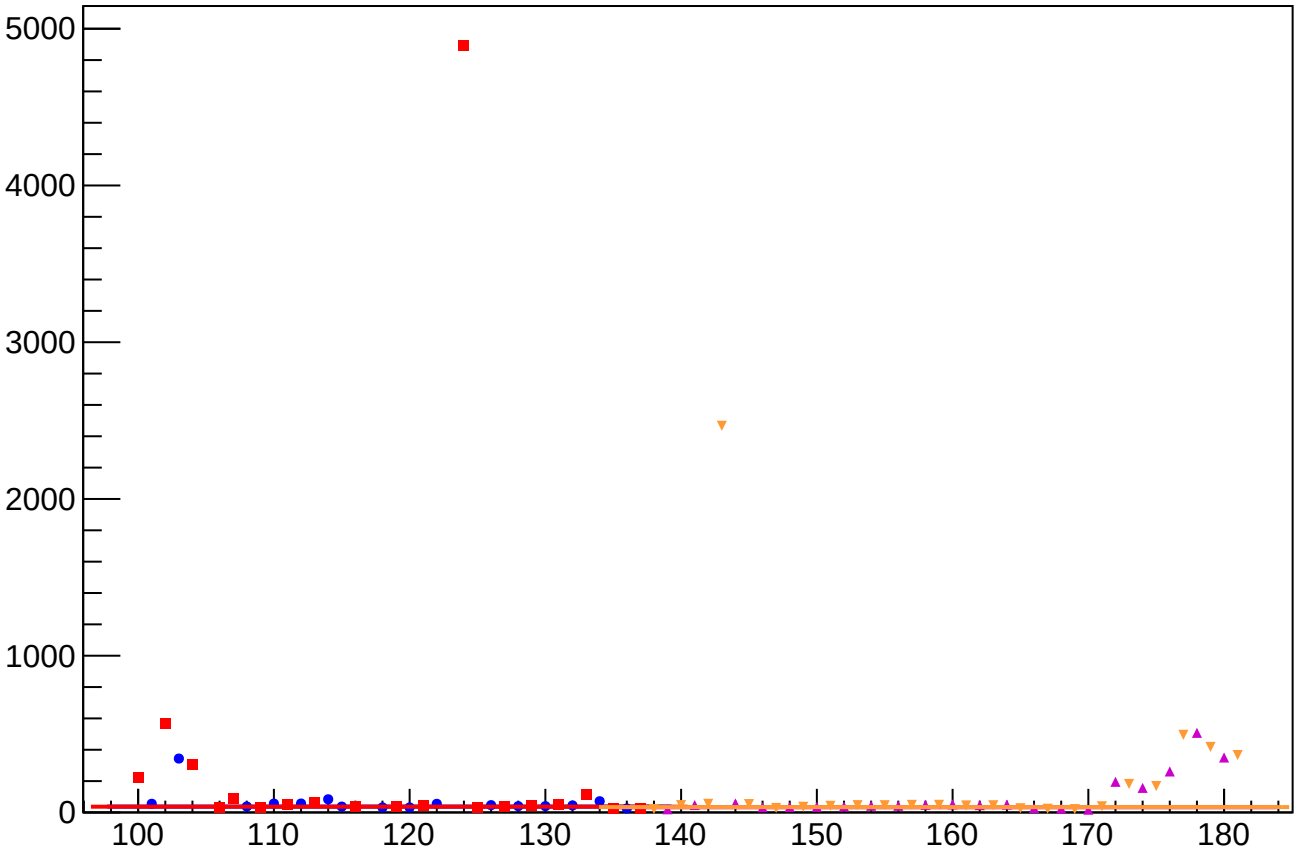
Right Out: -0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: 0.010+/-0.010 χ^2/NDF:13.1/20

+ sign 0.019+/-0.009 χ^2/NDF: 41.1/38

All: 0.011+/-0.006 χ^2/NDF: 69.7/78

- sign 0.004+/-0.009 χ^2/NDF: 27.1/39



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 34.215+/-0.007 χ^2/NDF:9907284.4/22

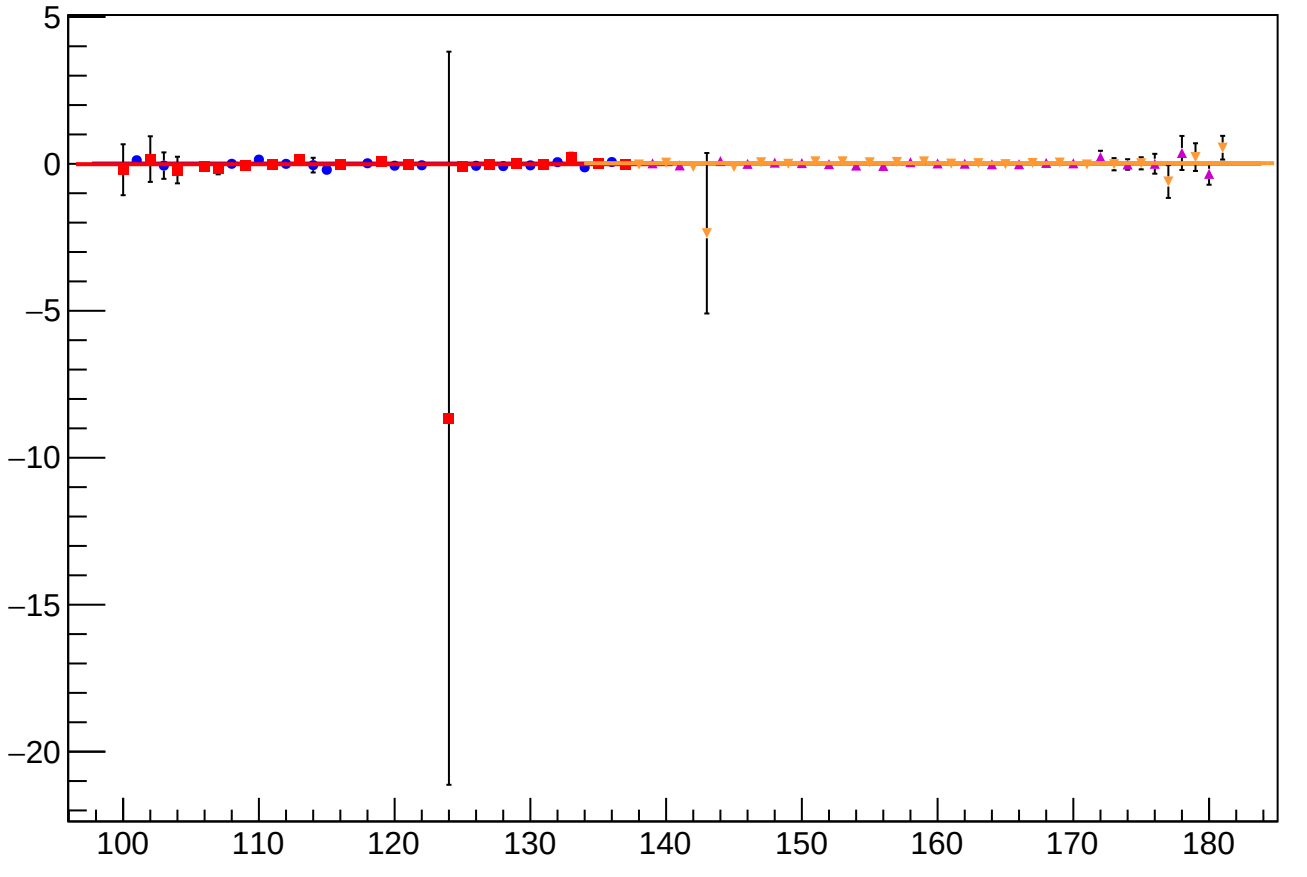
Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 33.188+/-0.007 χ^2/NDF:8539738.7/20

+ sign 35.158+/-0.006 χ^2/NDF: 11949788.0/38

All: 34.641+/-0.004 χ^2/NDF: 23762527.7/78

- sign 34.133+/-0.006 χ^2/NDF: 11798473.0/39



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.023+/-0.010 χ^2/NDF:21.3/22

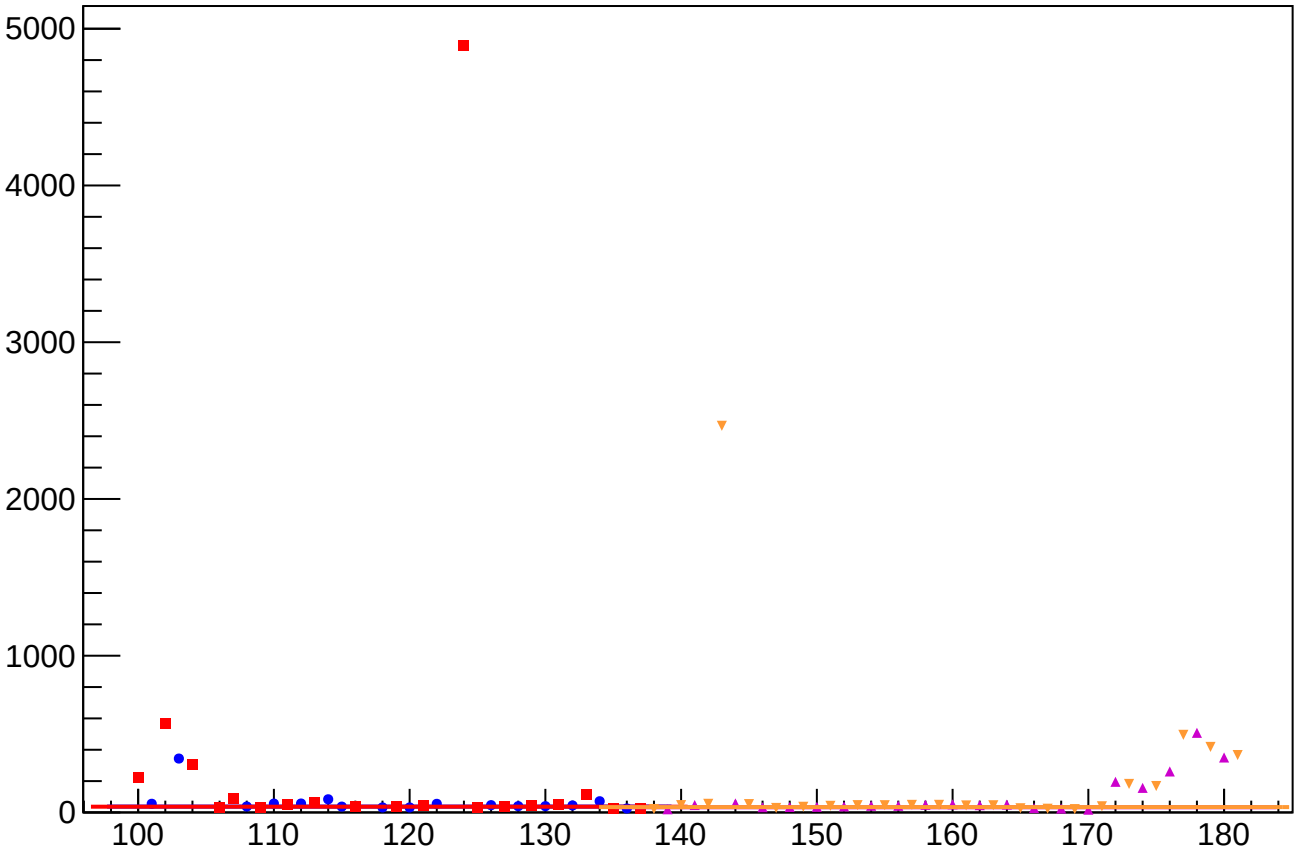
Right Out: -0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: 0.010+/-0.010 χ^2/NDF:13.1/20

+ sign 0.019+/-0.009 χ^2/NDF: 41.1/38

All: 0.011+/-0.006 χ^2/NDF: 69.7/78

- sign 0.004+/-0.009 χ^2/NDF: 27.1/39



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 34.215+/-0.007 χ^2/NDF:9907284.4/22

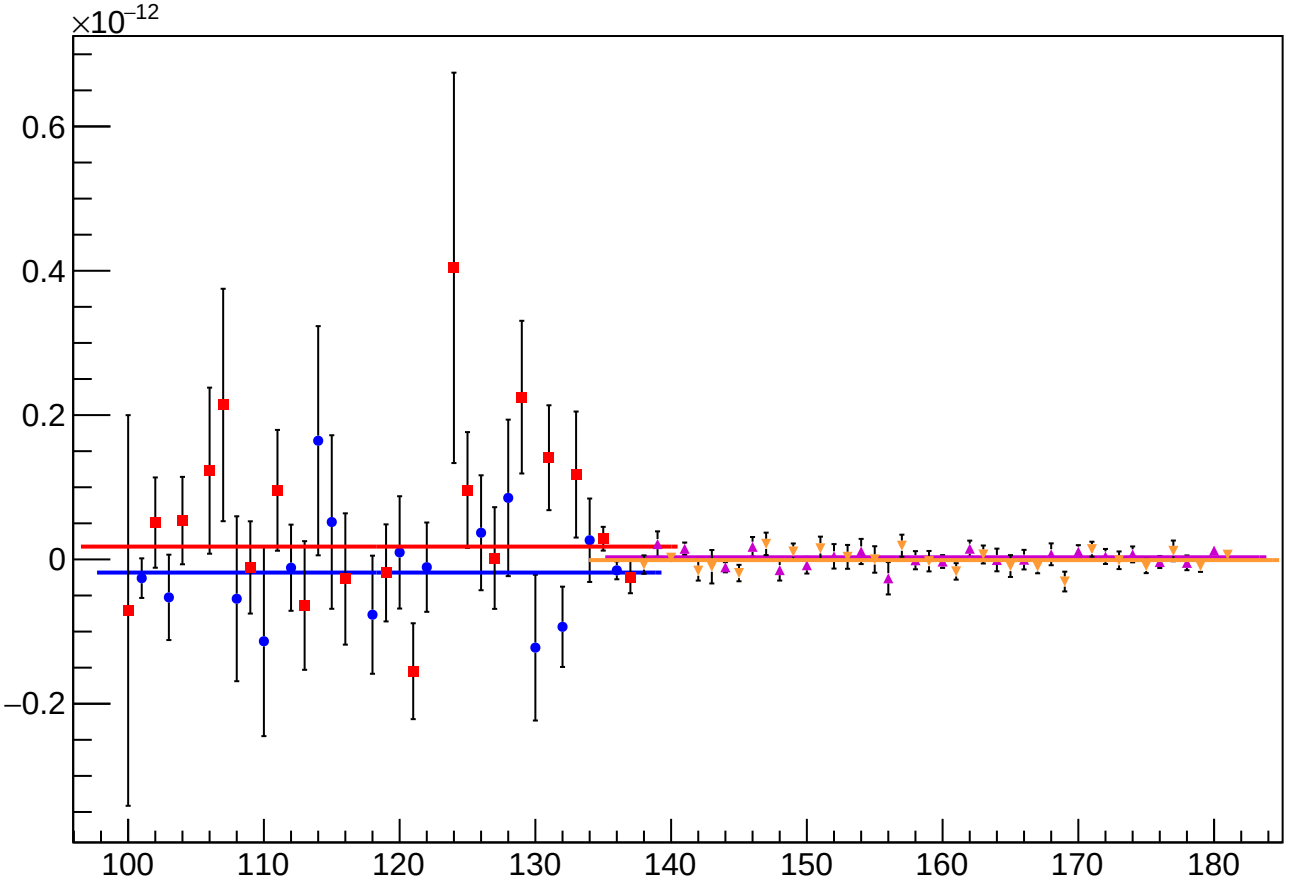
Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 33.188+/-0.007 χ^2/NDF:8539738.7/20

+ sign 35.158+/-0.006 χ^2/NDF: 11949788.0/38

All: 34.641+/-0.004 χ^2/NDF: 23762527.7/78

- sign 34.133+/-0.006 χ^2/NDF: 11798473.0/39



Right In: -0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:24.7/22

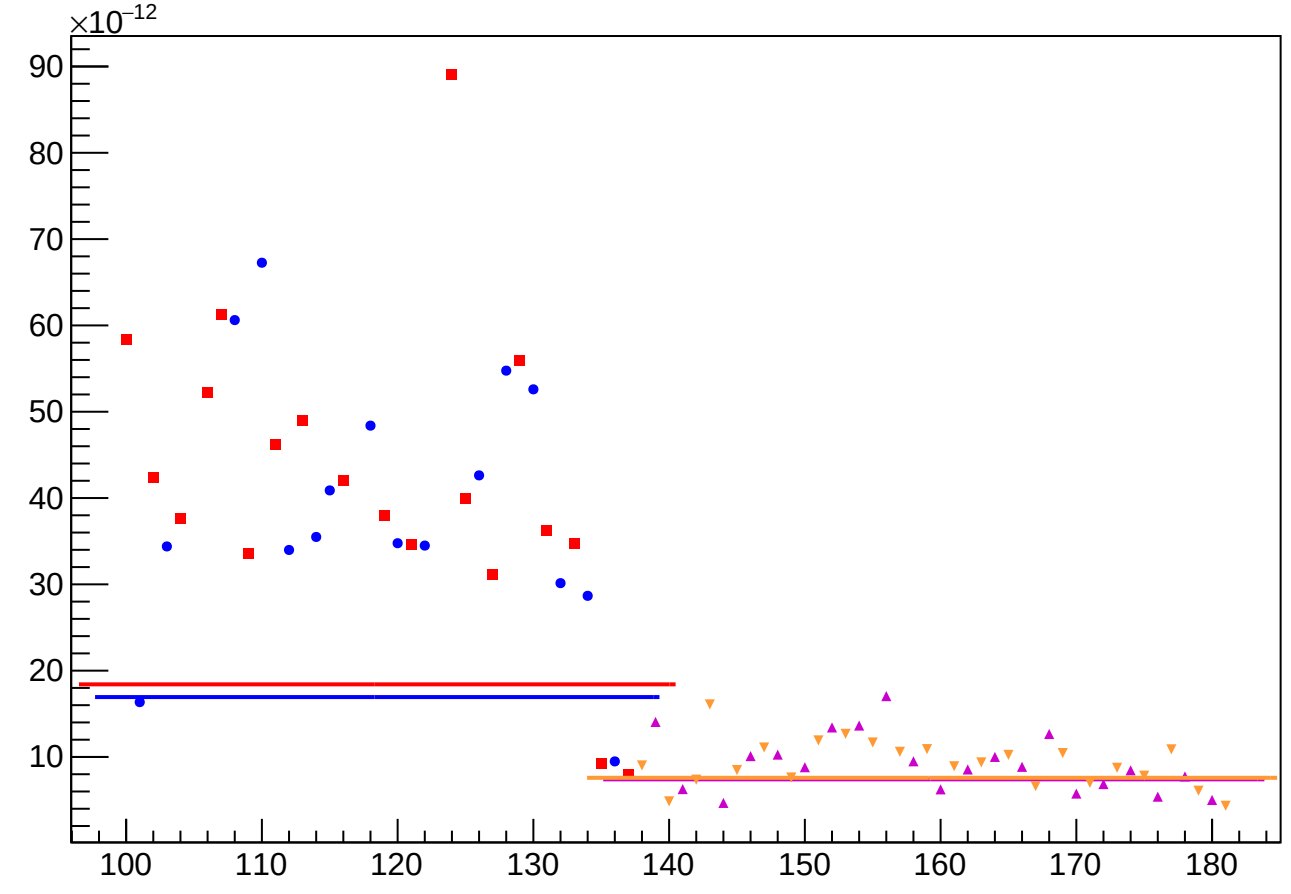
Right Out: 0.000+/-0.000 χ^2/NDF: 27.3/18

Left In: 0.000+/-0.000 χ^2/NDF:18.3/20

+ sign -0.000+/-0.000 χ^2/NDF: 35.9/38

All: 0.000+/-0.000 χ^2/NDF: 86.0/78

- sign 0.000+/-0.000 χ^2/NDF: 47.3/39



Right In: 0.000+/-0.000 χ^2/NDF: 3207856.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:2428877.0/22

Right Out: 0.000+/-0.000 χ^2/NDF: 3674861.8/18

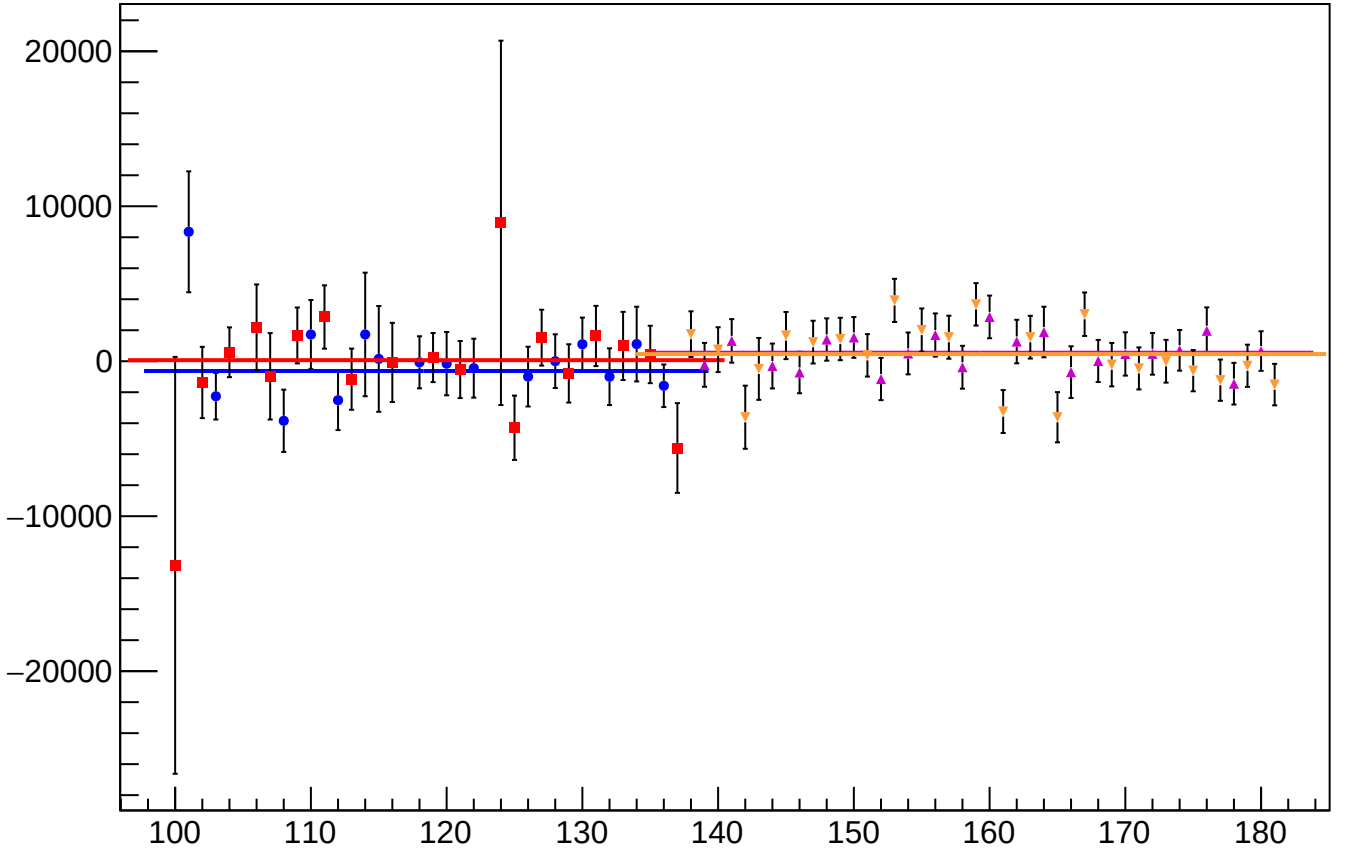
Left In: 0.000+/-0.000 χ^2/NDF:2599159.5/20

+ sign 0.000+/-0.000 χ^2/NDF: 7324134.9/38

All: 0.000+/-0.000 χ^2/NDF: 15503479.1/78

- sign 0.000+/-0.000 χ^2/NDF: 8172138.4/39

reg_asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 462.177+/-297.716 χ^2/NDF:43.0/22

Right Out: 67.642+/-487.761 χ^2/NDF: 15.9/18

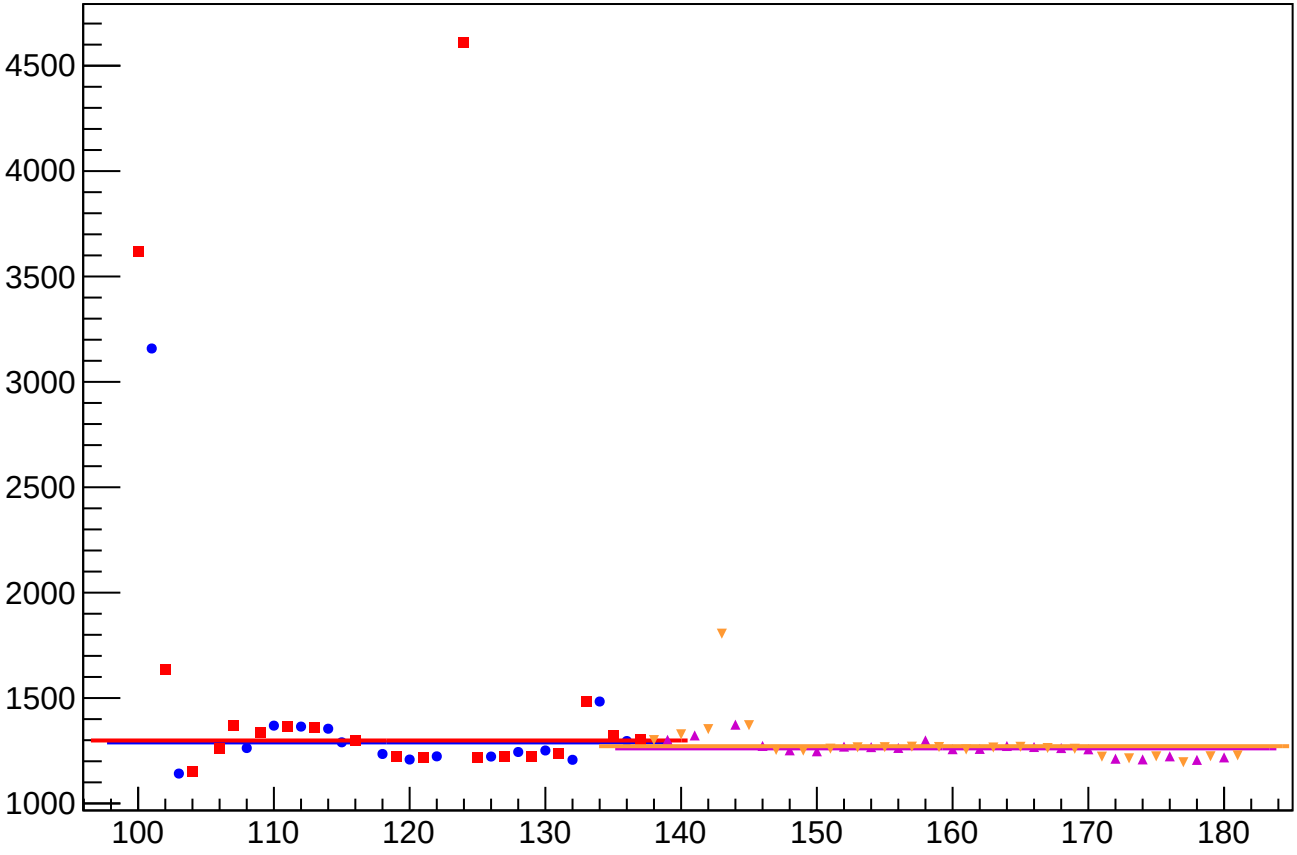
Left In: 549.417+/-303.758 χ^2/NDF:13.1/20

+ sign 166.241+/-254.247 χ^2/NDF: 60.6/38

All: 288.766+/-181.039 χ^2/NDF: 90.7/78

- sign 414.785+/-257.846 χ^2/NDF: 29.6/39

reg_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1271.558+/-0.211 χ^2/NDF:179720.0/22

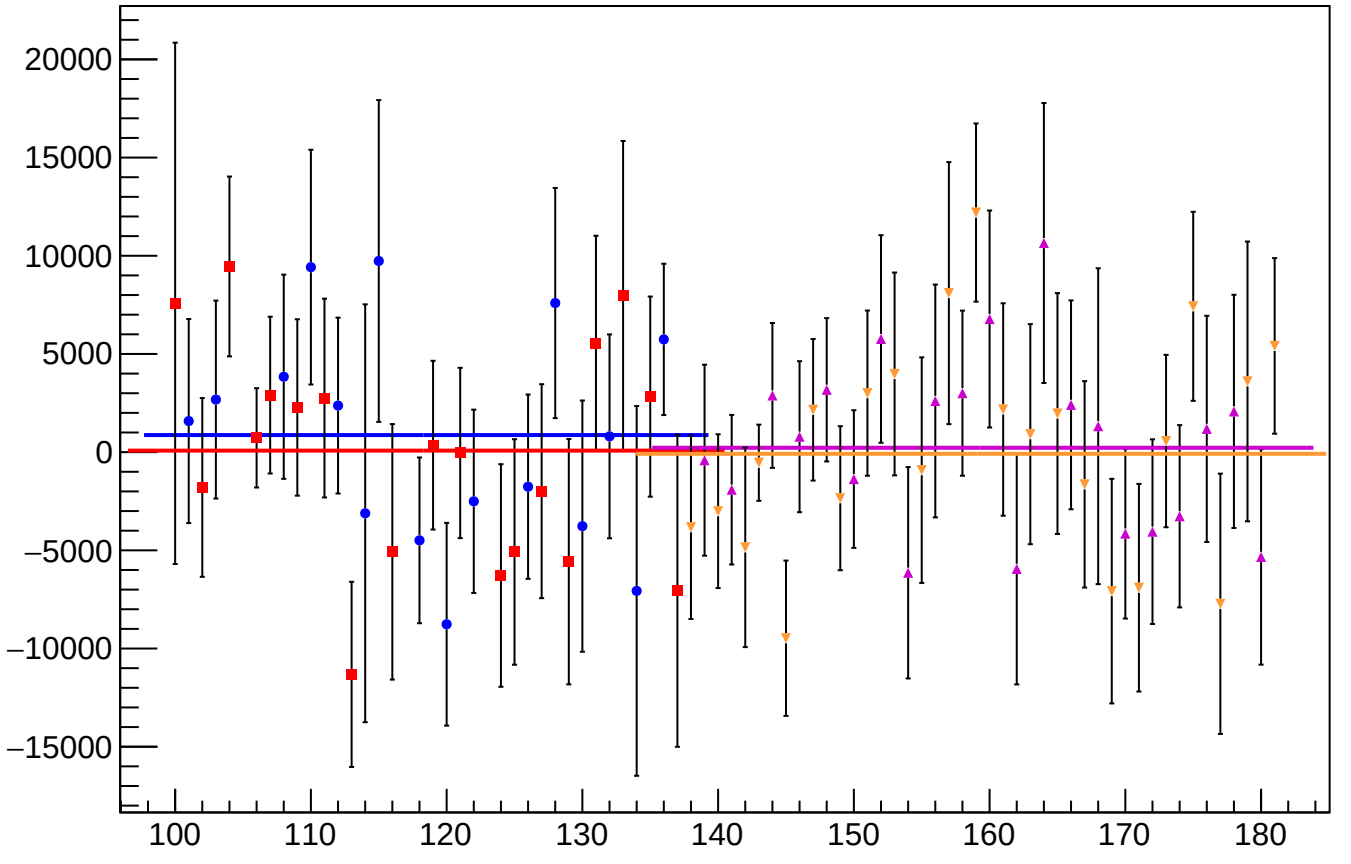
Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1261.174+/-0.215 χ^2/NDF:32411.3/20

+ sign 1276.406+/-0.180 χ^2/NDF: 696353.9/38

All: 1274.078+/-0.128 χ^2/NDF: 1057021.8/78

- sign 1271.688+/-0.182 χ^2/NDF: 360328.1/39



Right In: 870.295+/-1325.278 χ^2/NDF: 14.0/15

Left Out: -84.743+/-909.482 χ^2/NDF:27.7/22

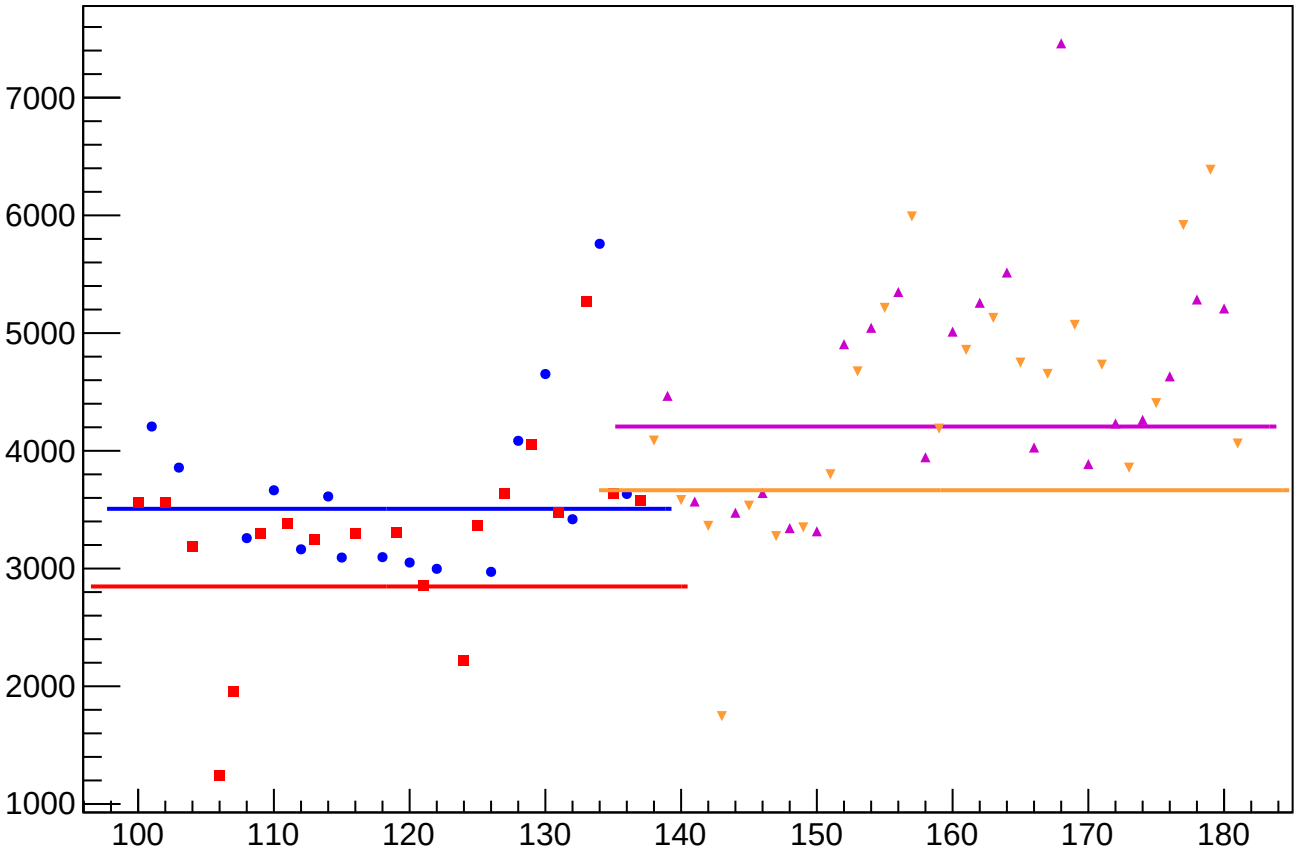
Right Out: 77.323+/-1111.074 χ^2/NDF: 18.4/18

Left In: 223.001+/-1035.187 χ^2/NDF:13.2/20

+ sign 221.029+/-749.886 χ^2/NDF: 42.1/38

All: 188.495+/-532.885 χ^2/NDF: 73.7/78

- sign 155.306+/-757.396 χ^2/NDF: 31.6/39



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

Left Out: 3665.168+/-0.643 χ^2/NDF:3675034.8/22

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

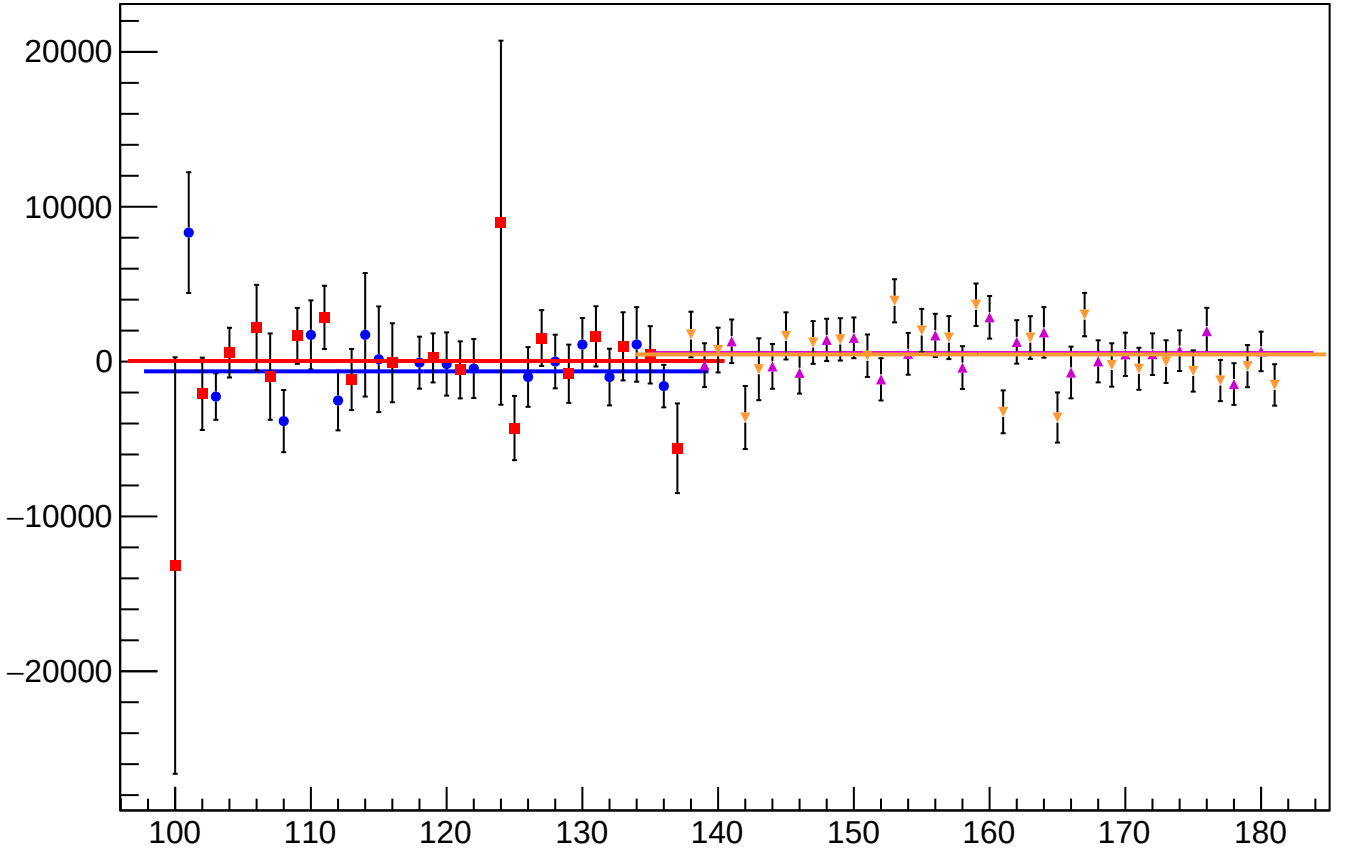
Left In: 4206.175+/-0.732 χ^2/NDF:1248623.3/20

+ sign 3614.655+/-0.530 χ^2/NDF: 4048283.6/38

All: 3595.011+/-0.377 χ^2/NDF: 8399239.7/78

- sign 3574.972+/-0.536 χ^2/NDF: 4348183.7/39

cor_asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 462.210+/-297.716 χ^2/NDF:43.0/22

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

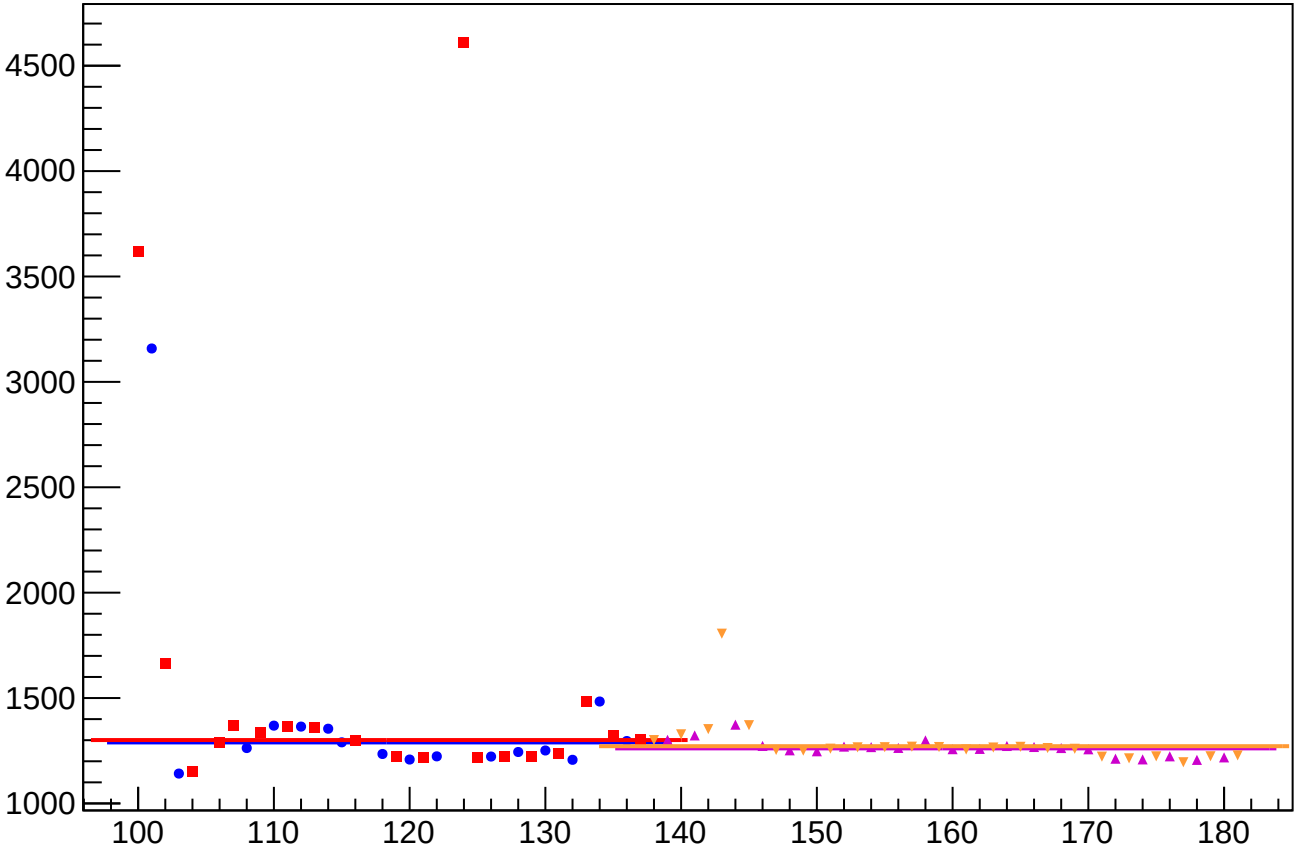
Left In: 549.318+/-303.758 χ^2/NDF:13.1/20

+ sign 166.160+/-254.247 χ^2/NDF: 60.6/38

All: 284.737+/-181.055 χ^2/NDF: 91.2/78

- sign 406.740+/-257.893 χ^2/NDF: 30.2/39

cor_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1271.558+/-0.211 χ^2/NDF:179720.0/22

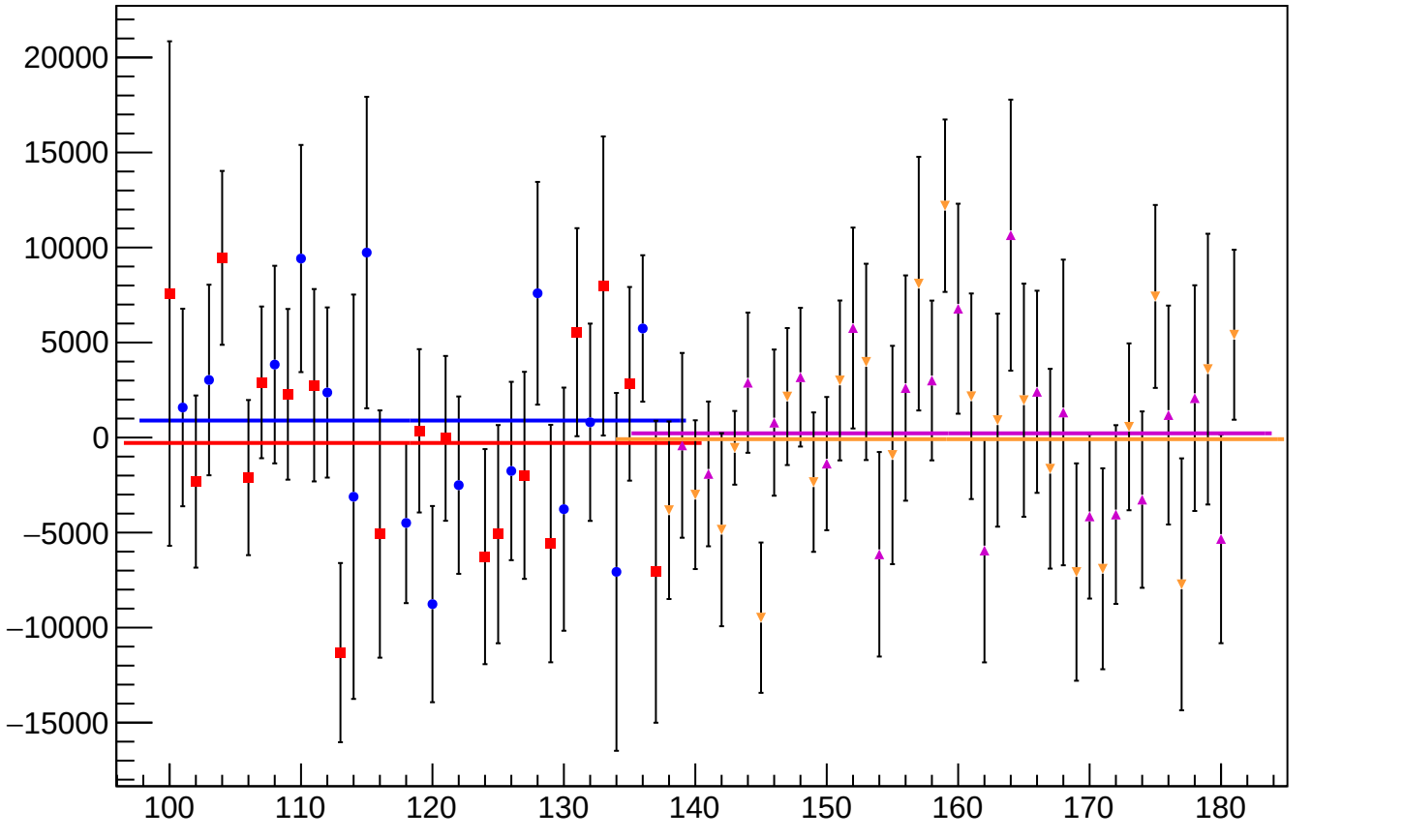
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1261.174+/-0.215 χ^2/NDF:32411.2/20

+ sign 1276.406+/-0.180 χ^2/NDF: 696355.3/38

All: 1274.349+/-0.128 χ^2/NDF: 1064411.8/78

- sign 1272.234+/-0.182 χ^2/NDF: 367790.9/39



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -84.671+/-909.481 χ^2/NDF:27.7/22

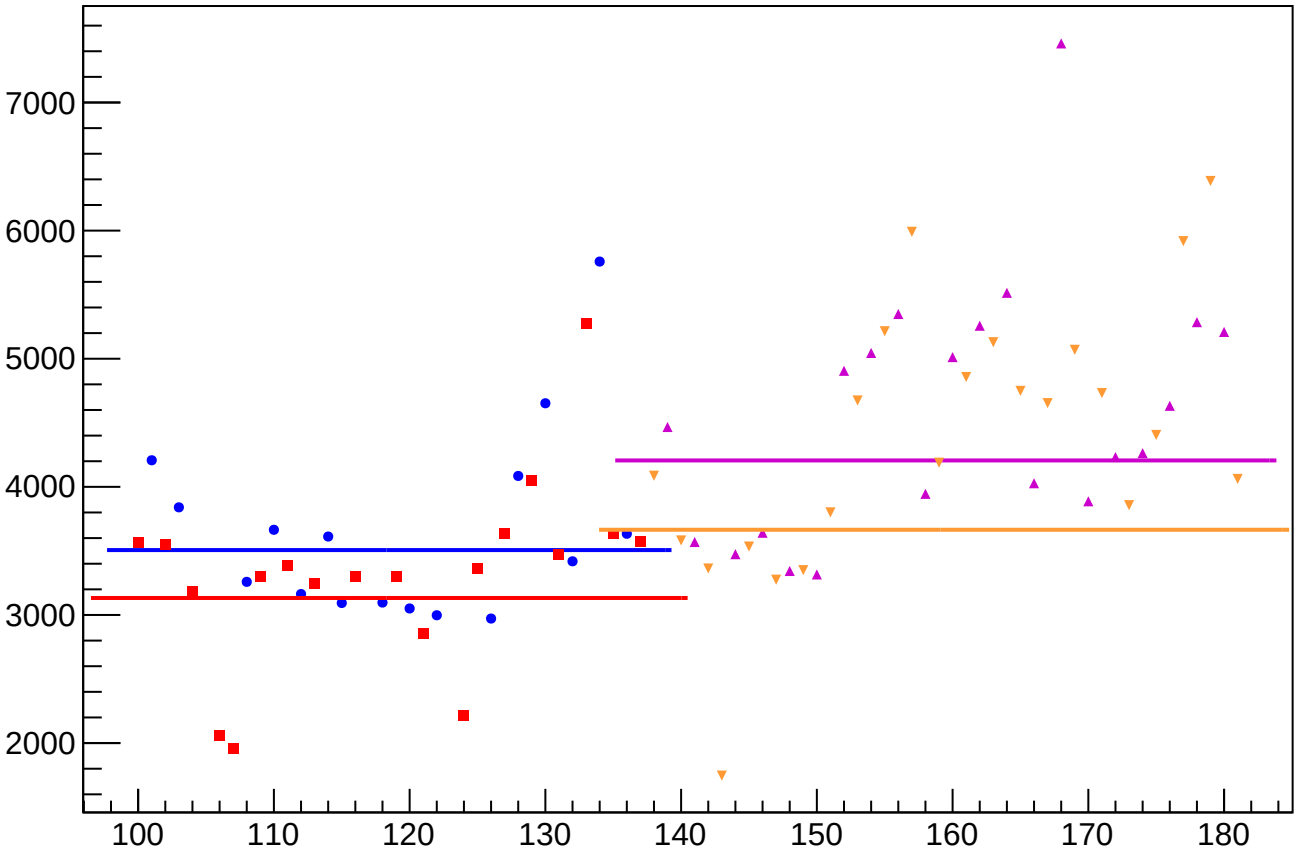
Right Out: -283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: 222.990+/-1035.185 χ^2/NDF:13.2/20

+ sign 229.459+/-749.803 χ^2/NDF: 42.1/38

All: 120.653+/-540.246 χ^2/NDF: 74.1/78

- sign 3.183+/-779.086 χ^2/NDF: 32.0/39



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3665.160+/-0.643 χ^2/NDF:3675073.2/22

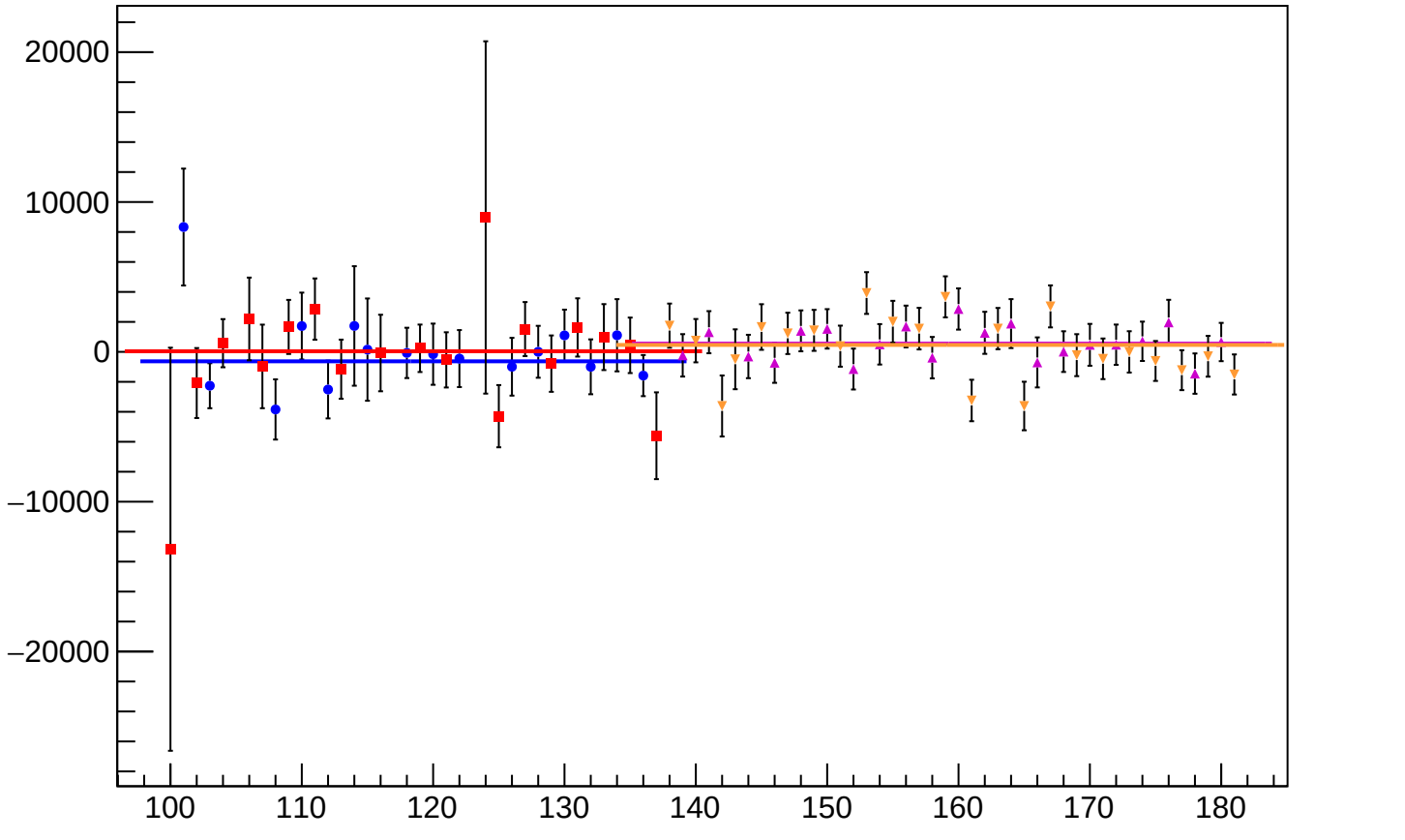
Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 4206.169+/-0.732 χ^2/NDF:1248621.9/20

+ sign 3614.334+/-0.530 χ^2/NDF: 4047811.4/38

All: 3675.087+/-0.382 χ^2/NDF: 6906046.0/78

- sign 3740.679+/-0.551 χ^2/NDF: 2830928.1/39



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 462.210+/-297.716 χ^2/NDF:43.0/22

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

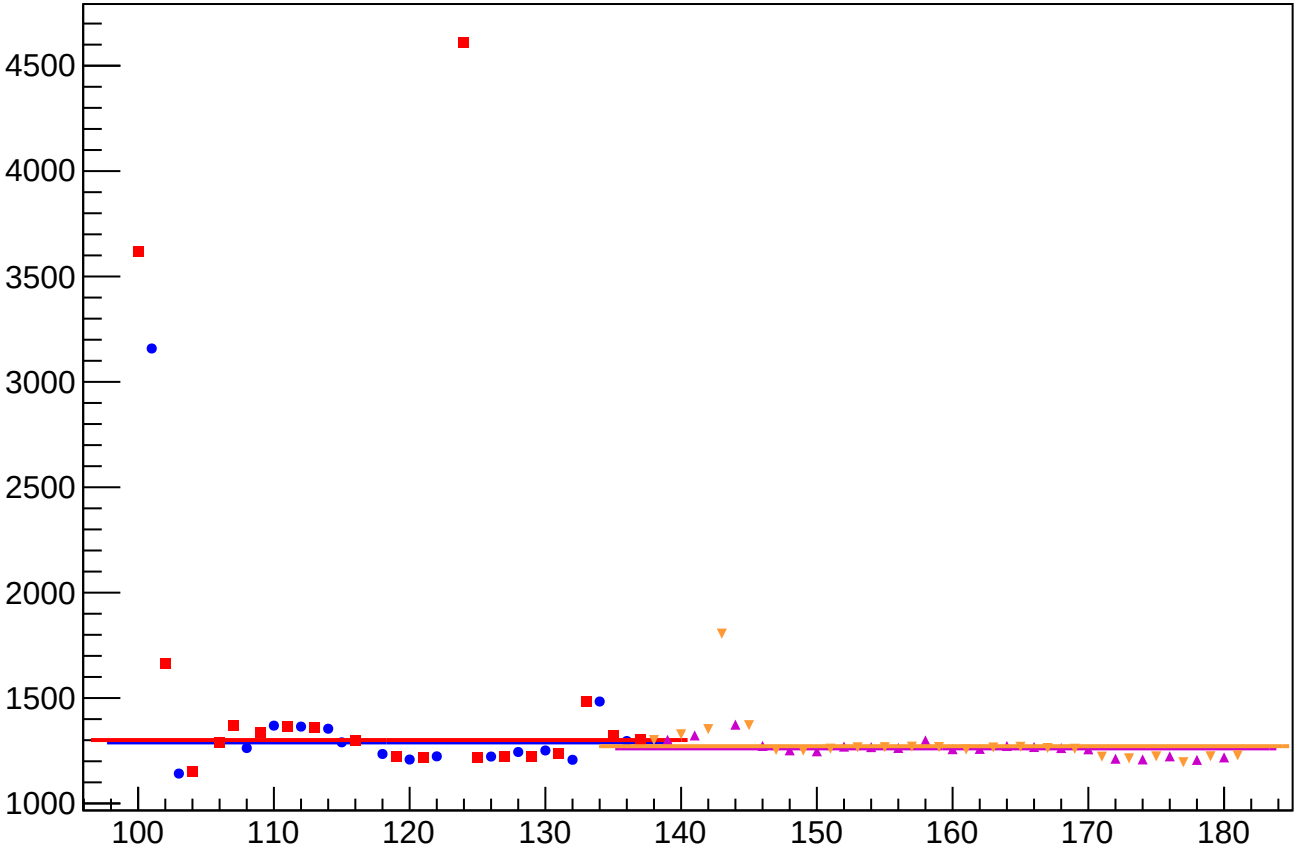
Left In: 549.318+/-303.758 χ^2/NDF:13.1/20

+ sign 166.160+/-254.247 χ^2/NDF: 60.6/38

All: 284.737+/-181.055 χ^2/NDF: 91.2/78

- sign 406.740+/-257.893 χ^2/NDF: 30.2/39

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: 1271.558+/-0.211 χ^2/NDF:179720.0/22

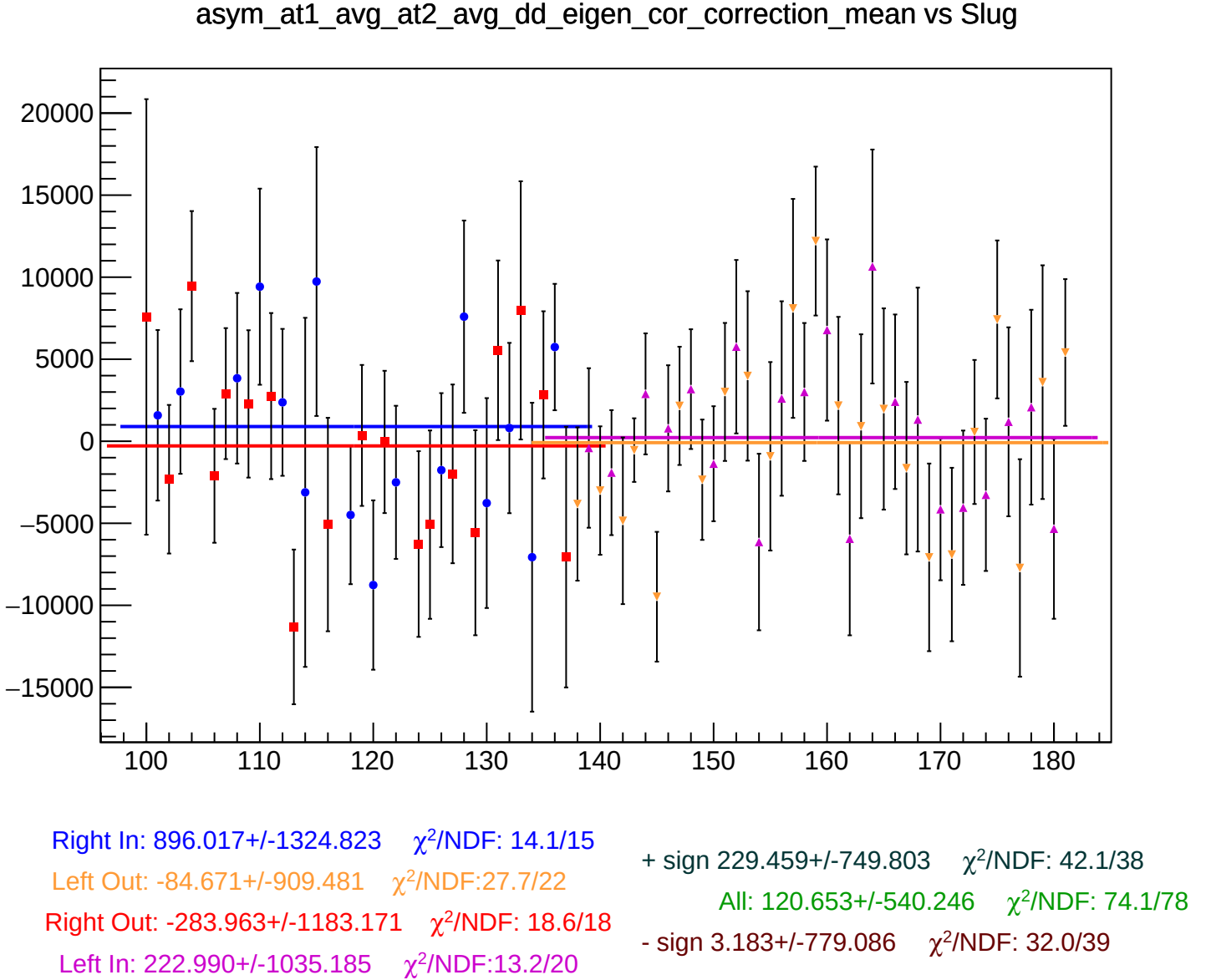
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

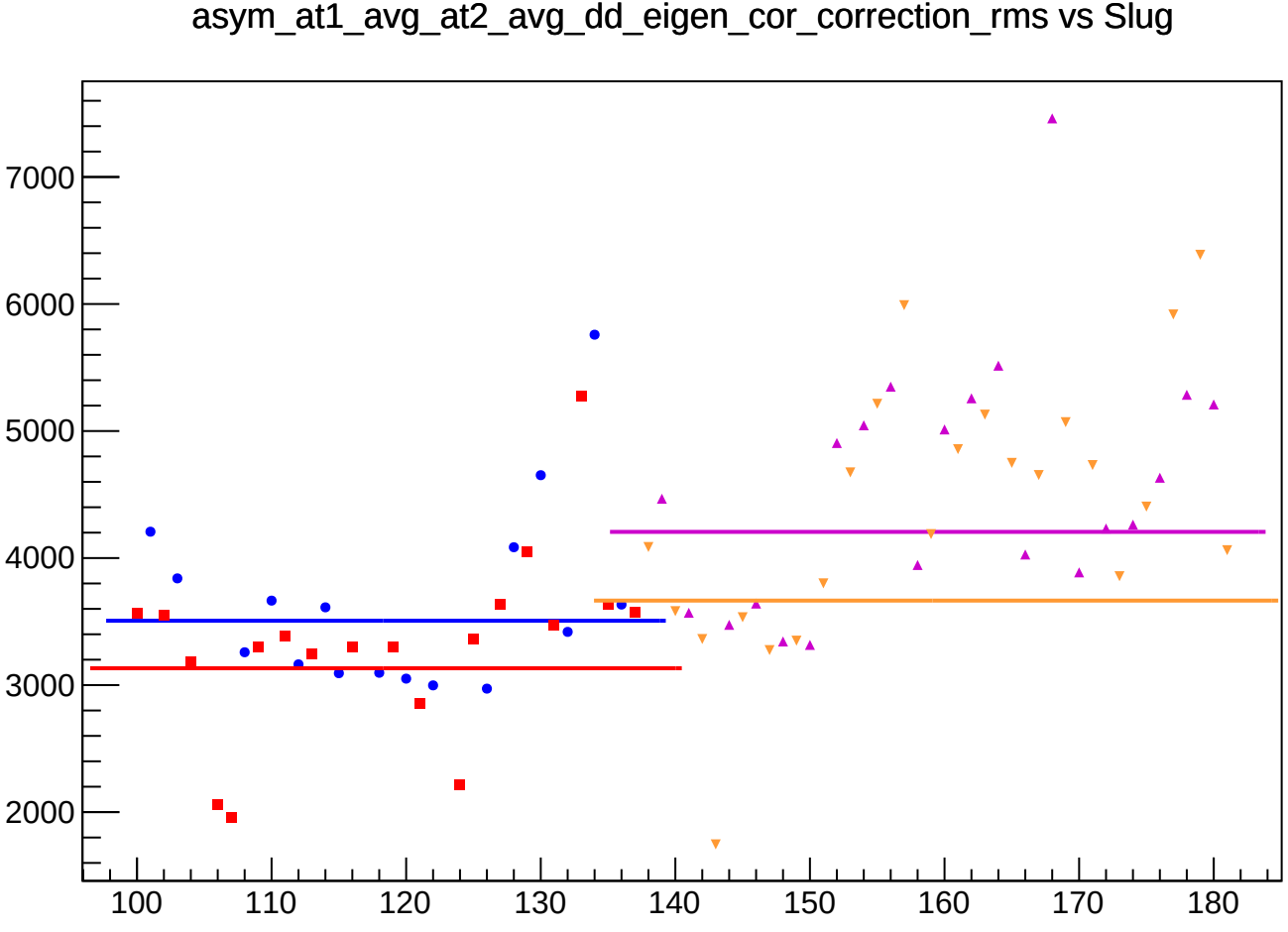
Left In: 1261.174+/-0.215 χ^2/NDF:32411.2/20

+ sign 1276.406+/-0.180 χ^2/NDF: 696355.3/38

All: 1274.349+/-0.128 χ^2/NDF: 1064411.8/78

- sign 1272.234+/-0.182 χ^2/NDF: 367790.9/39


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: -84.671+/-909.481 χ²/NDF:27.7/22
Right Out: -283.963+/-1183.171 χ²/NDF: 18.6/18
Left In: 222.990+/-1035.185 χ²/NDF:13.2/20
+ sign 229.459+/-749.803 χ²/NDF: 42.1/38
All: 120.653+/-540.246 χ²/NDF: 74.1/78
- sign 3.183+/-779.086 χ²/NDF: 32.0/39



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3665.160+/-0.643 χ^2/NDF:3675073.2/22

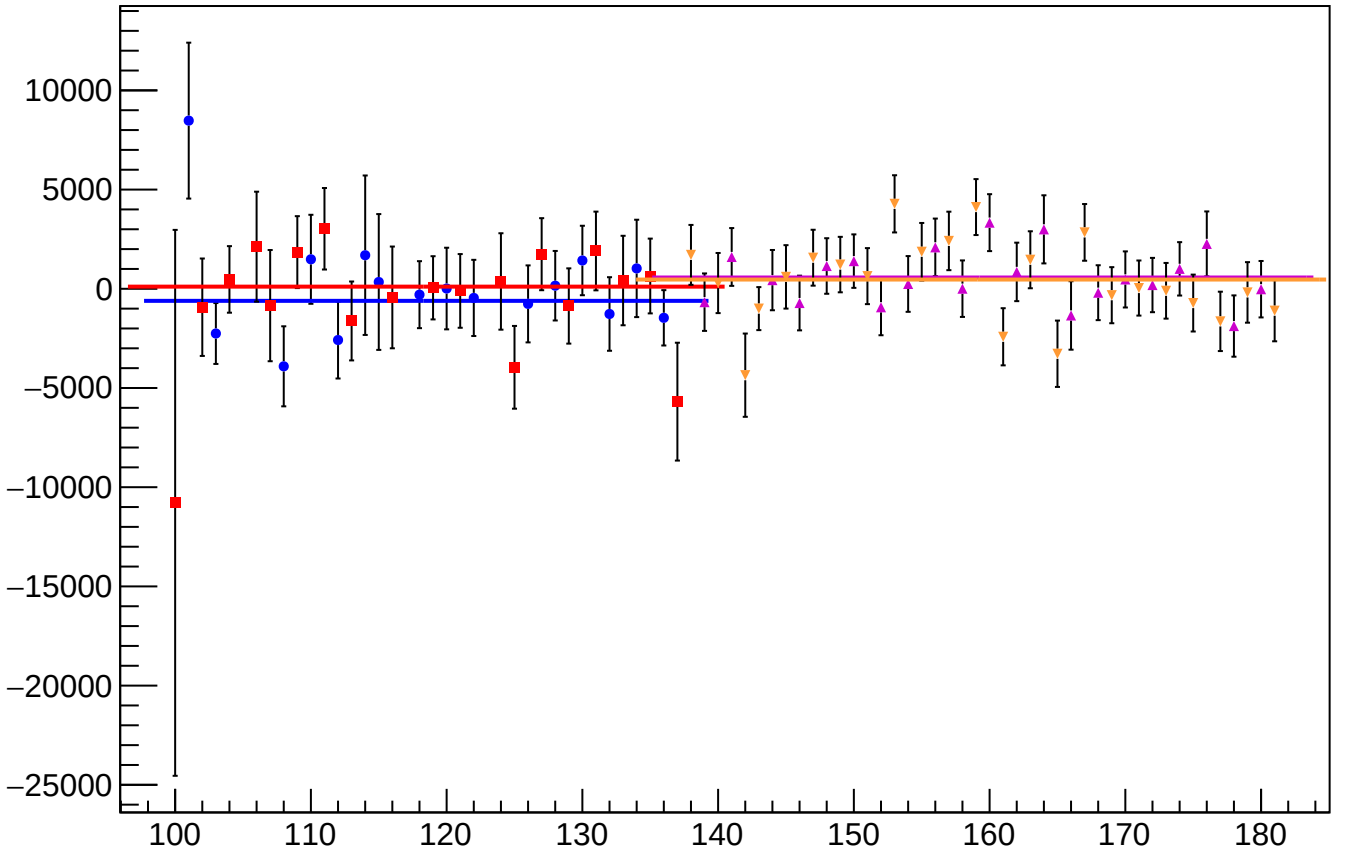
Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 4206.169+/-0.732 χ^2/NDF:1248621.9/20

+ sign 3614.334+/-0.530 χ^2/NDF: 4047811.4/38

All: 3675.087+/-0.382 χ^2/NDF: 6906046.0/78

- sign 3740.679+/-0.551 χ^2/NDF: 2830928.1/39



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 465.770+/-302.813 χ^2/NDF:41.8/22

Right Out: 108.614+/-485.552 χ^2/NDF: 14.9/18

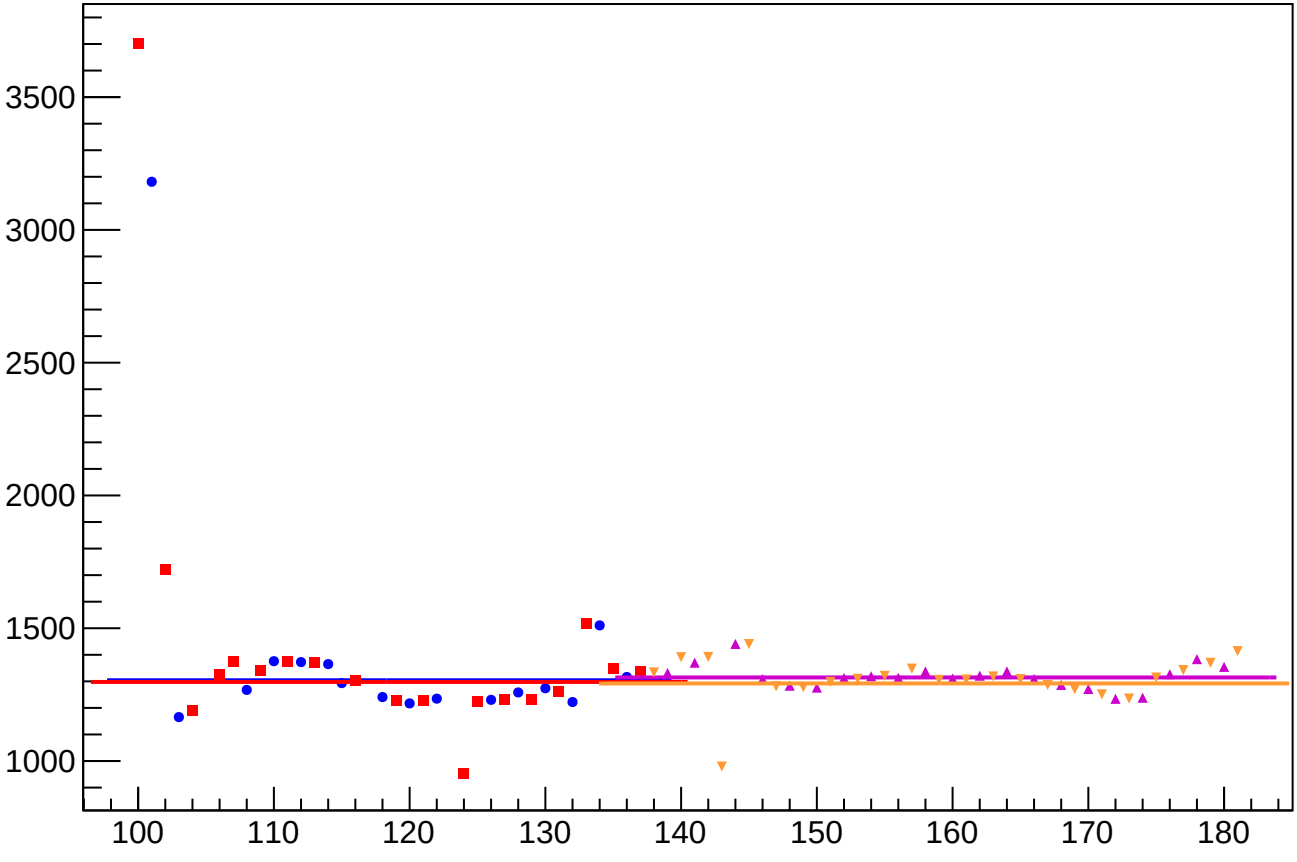
Left In: 568.638+/-316.767 χ^2/NDF:16.3/20

+ sign 172.702+/-258.196 χ^2/NDF: 59.4/38

All: 298.492+/-185.033 χ^2/NDF: 91.7/78

- sign 431.300+/-265.302 χ^2/NDF: 31.8/39

dit_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1292.099+/-0.214 χ^2/NDF:229751.7/22

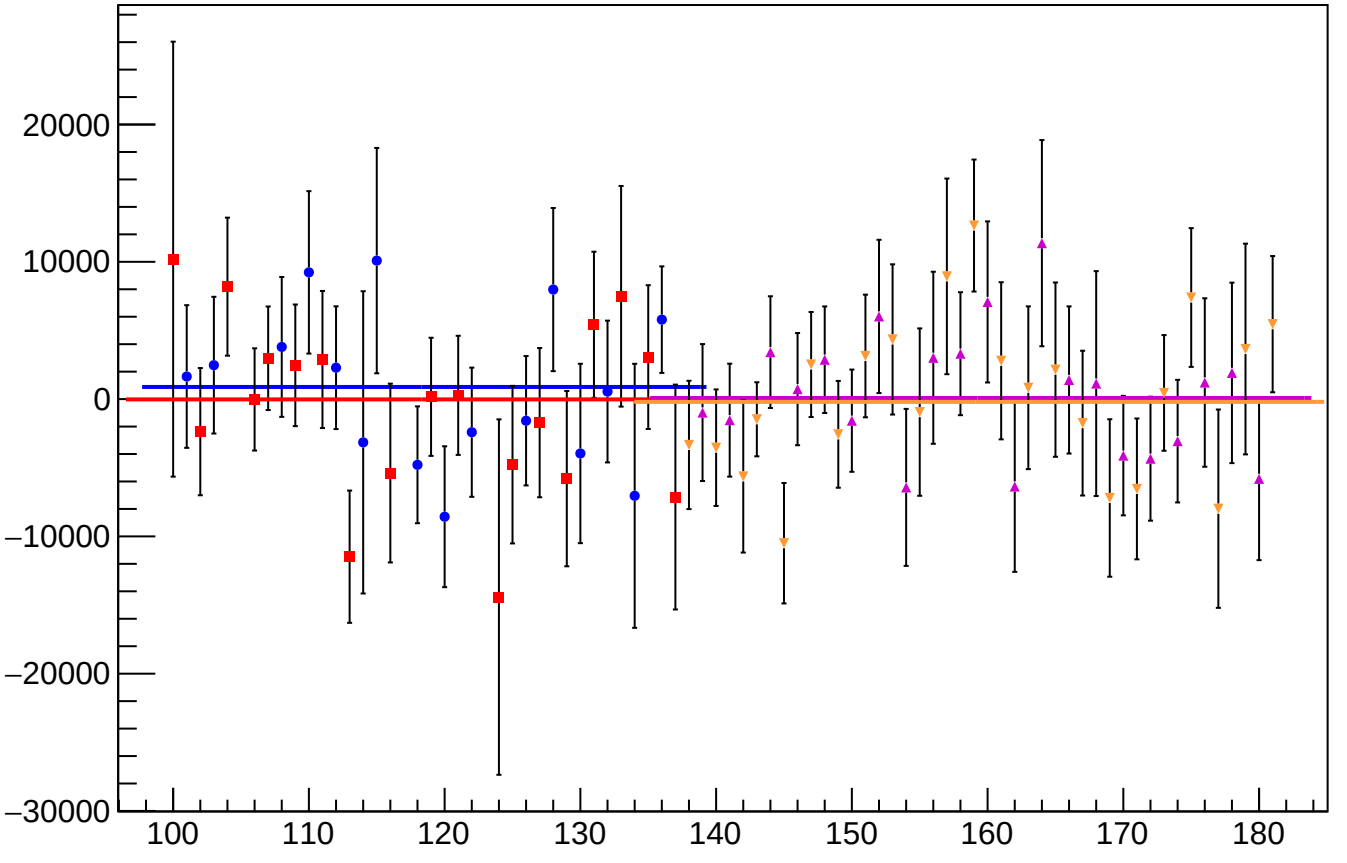
Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1314.719+/-0.224 χ^2/NDF:42300.5/20

+ sign 1295.376+/-0.183 χ^2/NDF: 741198.9/38

All: 1302.326+/-0.131 χ^2/NDF: 1001281.0/78

- sign 1309.661+/-0.188 χ^2/NDF: 257103.2/39



Right In: 884.058+/-1327.399 χ^2/NDF: 14.1/15

Left Out: -201.438+/-1004.291 χ^2/NDF:27.2/22

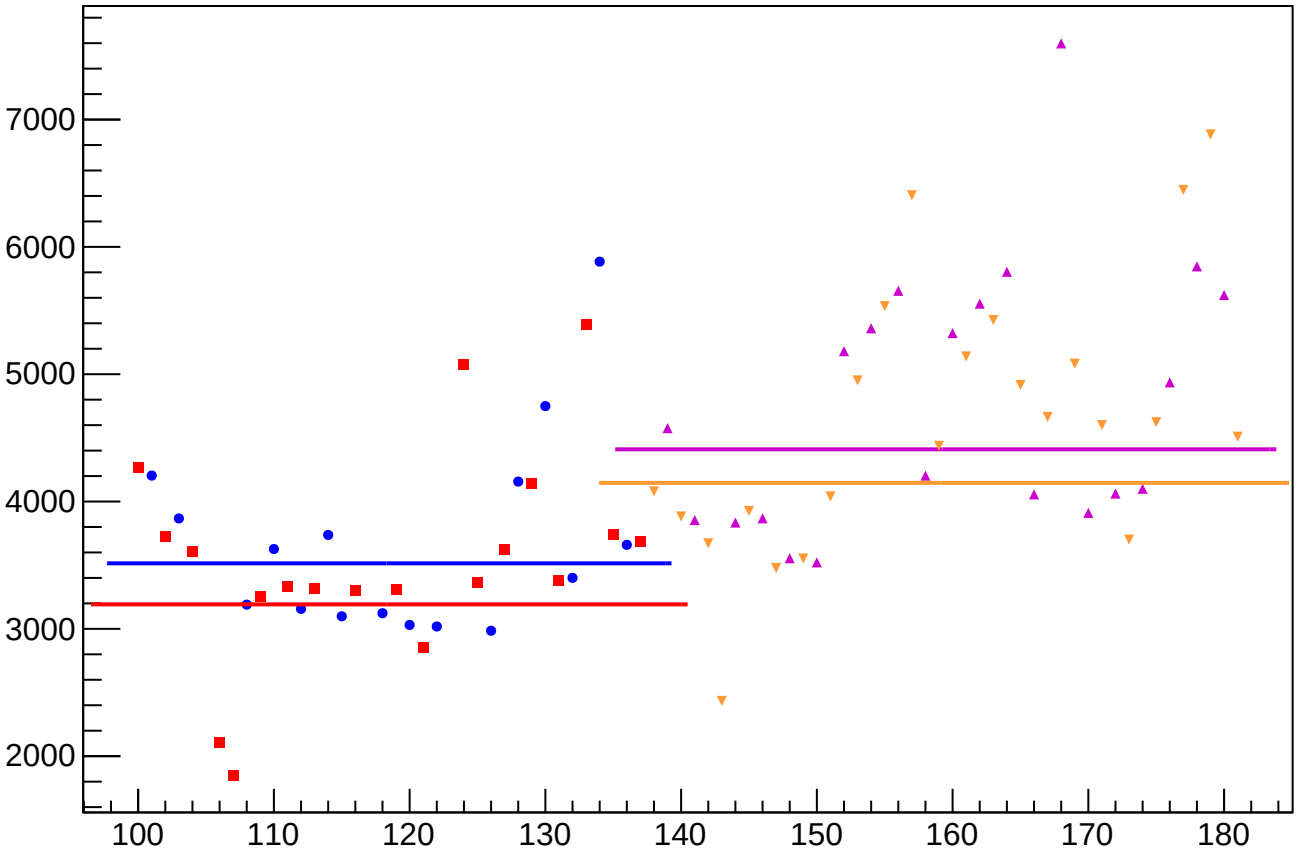
Right Out: -20.681+/-1200.015 χ^2/NDF: 16.8/18

Left In: 82.228+/-1085.423 χ^2/NDF:13.1/20

+ sign 193.725+/-800.894 χ^2/NDF: 41.8/38

All: 115.224+/-567.757 χ^2/NDF: 71.7/78

- sign 35.921+/-804.982 χ^2/NDF: 29.9/39



Right In: 3514.746+/-0.939 χ^2/NDF: 375078.6/15

Left Out: 4146.558+/-0.710 χ^2/NDF:2077011.7/22

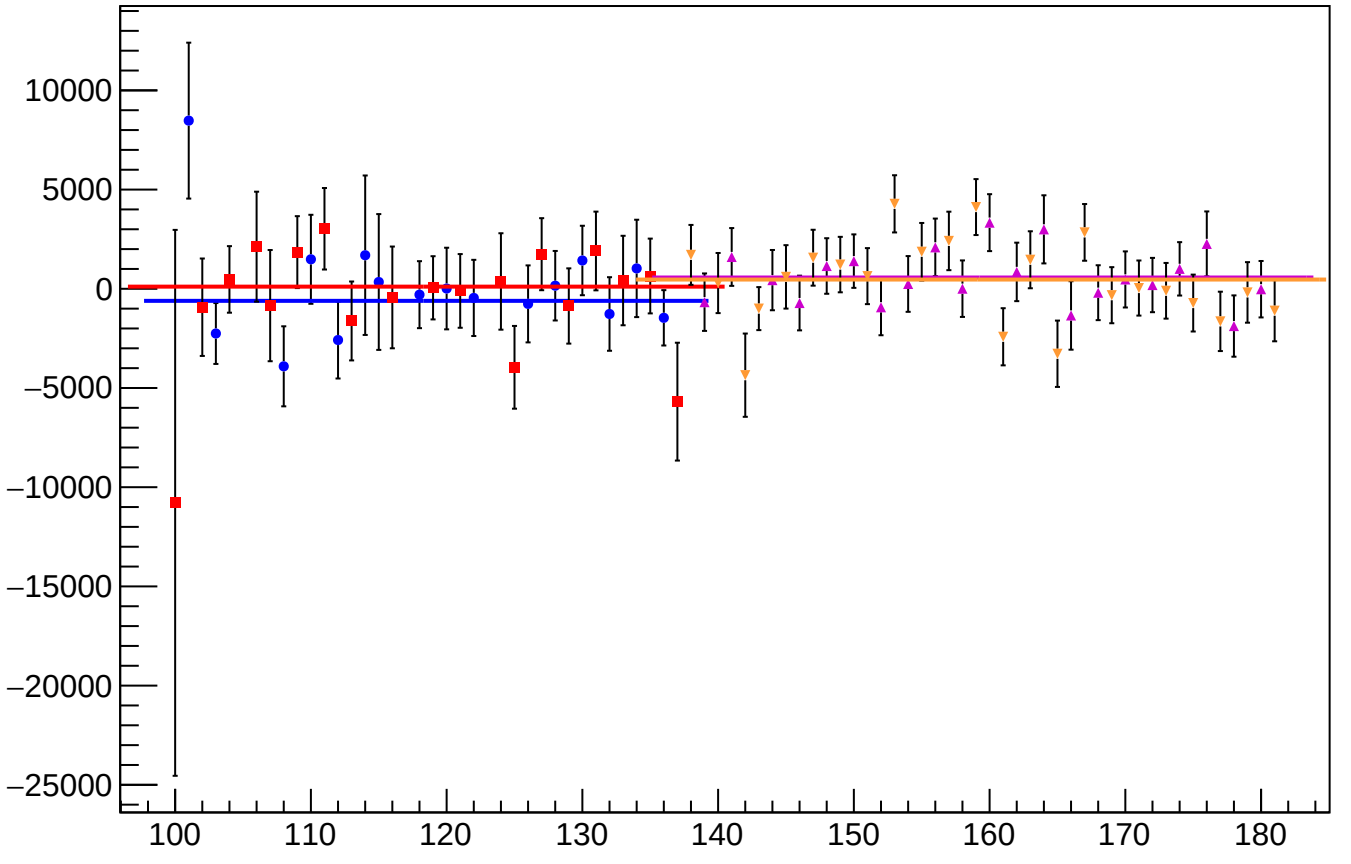
Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 4410.019+/-0.768 χ^2/NDF:1239942.6/20

+ sign 3916.554+/-0.566 χ^2/NDF: 2740250.6/38

All: 3889.426+/-0.401 χ^2/NDF: 5890207.7/78

- sign 3862.020+/-0.569 χ^2/NDF: 3145344.2/39



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 465.773+/-302.814 χ^2/NDF:41.8/22

Right Out: 108.619+/-485.553 χ^2/NDF: 14.9/18

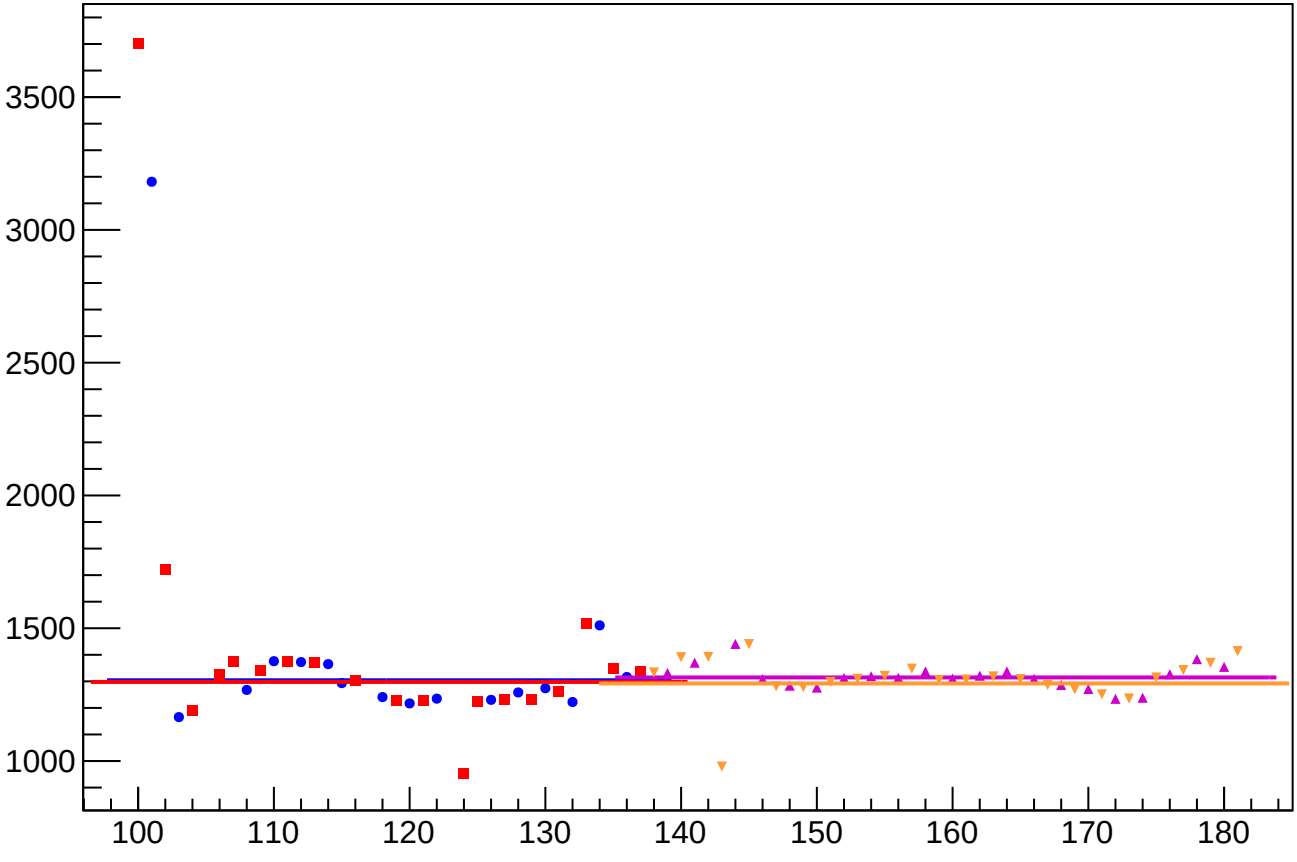
Left In: 568.639+/-316.768 χ^2/NDF:16.3/20

+ sign 172.703+/-258.196 χ^2/NDF: 59.4/38

All: 298.493+/-185.033 χ^2/NDF: 91.7/78

- sign 431.302+/-265.302 χ^2/NDF: 31.8/39

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: 1292.100+/-0.214 χ^2/NDF:229754.2/22

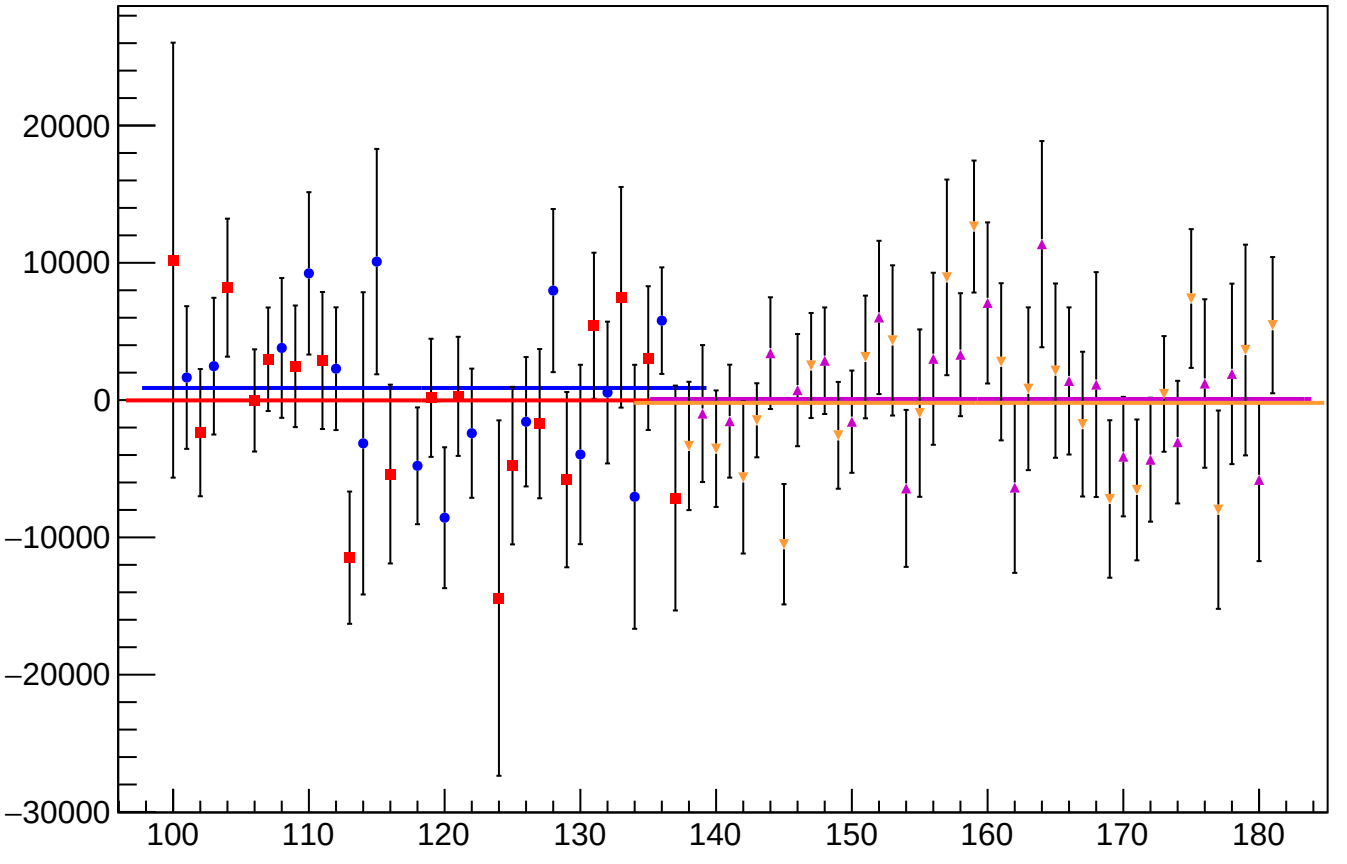
Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1314.720+/-0.224 χ^2/NDF:42302.6/20

+ sign 1295.377+/-0.183 χ^2/NDF: 741201.4/38

All: 1302.327+/-0.131 χ^2/NDF: 1001286.0/78

- sign 1309.662+/-0.188 χ^2/NDF: 257105.7/39



Right In: 884.047+/-1327.396 χ^2/NDF: 14.1/15

Left Out: -201.435+/-1004.293 χ^2/NDF:27.2/22

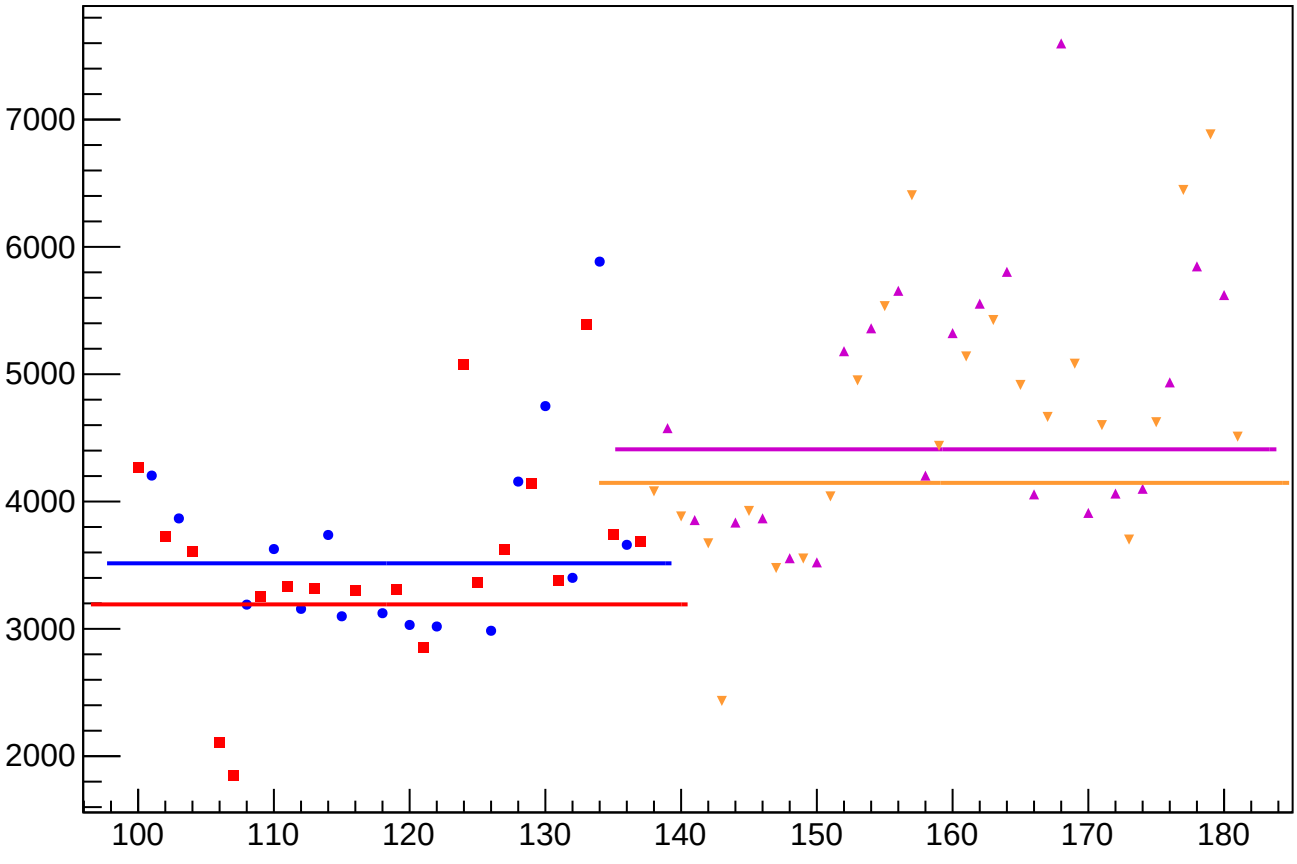
Right Out: -20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: 82.228+/-1085.424 χ^2/NDF:13.1/20

\+ sign 193.724+/-800.894 χ^2/NDF: 41.8/38

All: 115.225+/-567.757 χ^2/NDF: 71.7/78

\- sign 35.922+/-804.981 χ^2/NDF: 29.9/39



Right In: 3514.737+/-0.939 χ^2/NDF: 375082.8/15

Left Out: 4146.564+/-0.710 χ^2/NDF:2077014.6/22

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

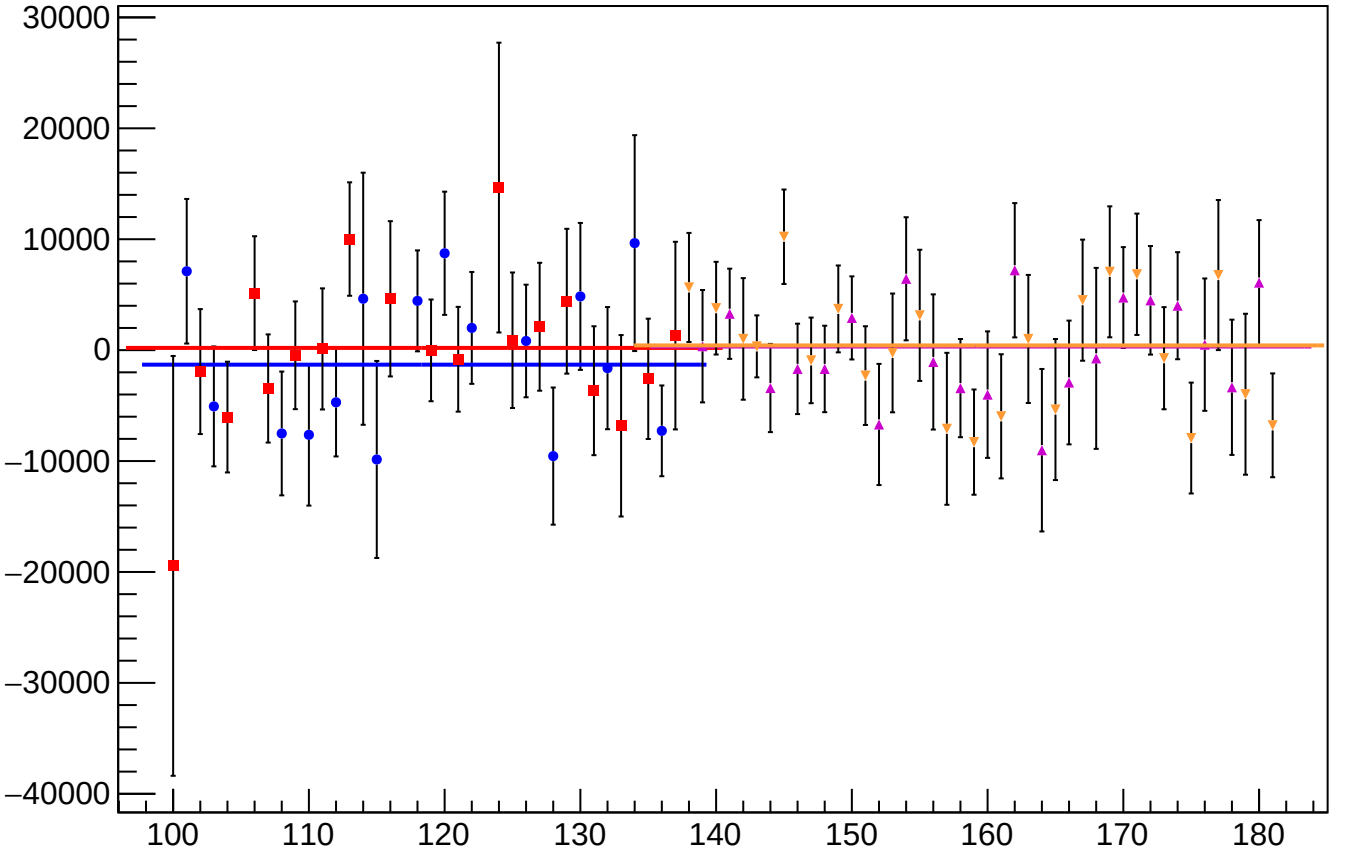
Left In: 4410.026+/-0.768 χ^2/NDF:1239946.7/20

\+ sign 3916.554+/-0.566 χ^2/NDF: 2740272.3/38

All: 3889.424+/-0.401 χ^2/NDF: 5890264.7/78

\- sign 3862.017+/-0.569 χ^2/NDF: 3145379.2/39

asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 425.460+/-1008.552 χ^2/NDF:24.9/22

Right Out: 201.593+/-1336.062 χ^2/NDF: 11.6/18

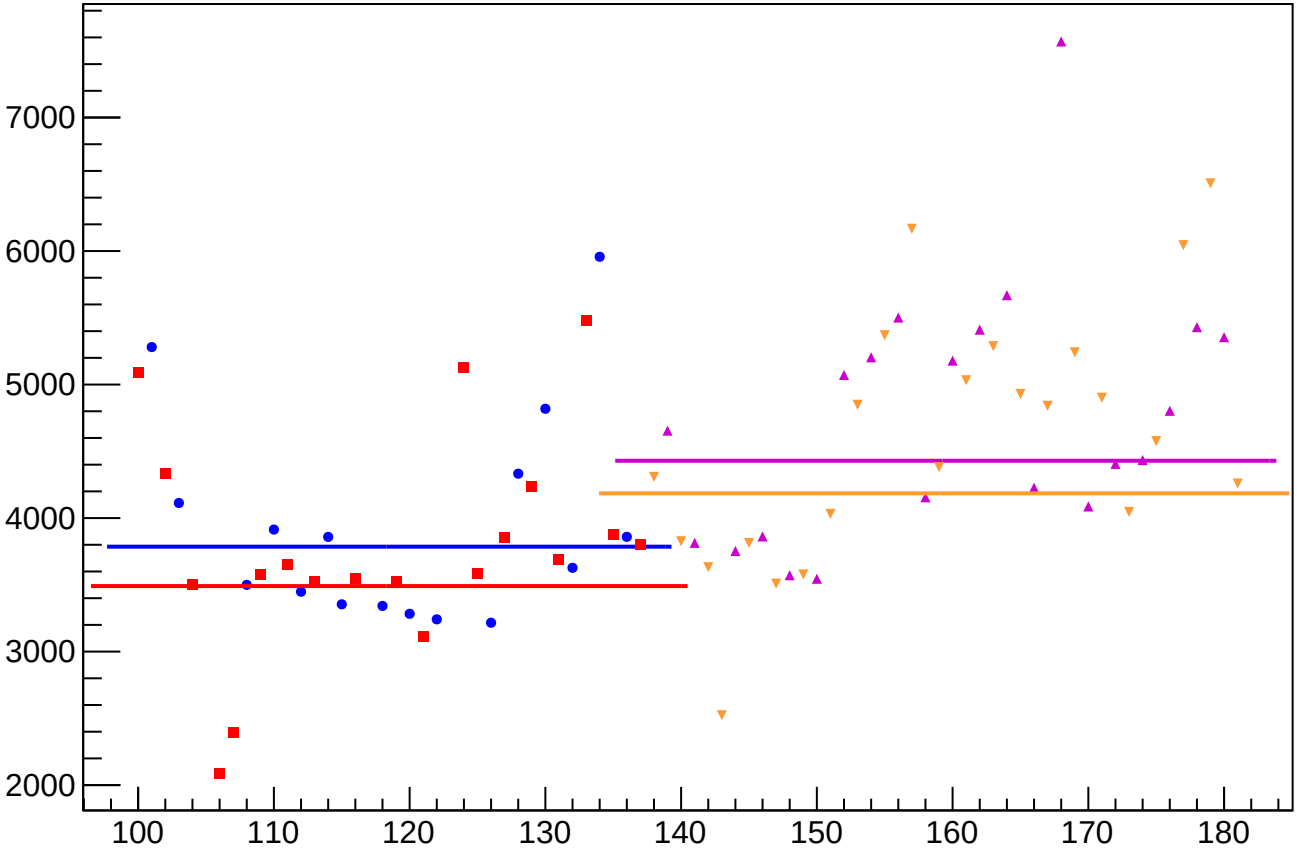
Left In: 324.975+/-1086.468 χ^2/NDF:13.5/20

\+ sign -149.945+/-824.499 χ^2/NDF: 43.5/38

All: 58.250+/-589.420 χ^2/NDF: 68.8/78

\- sign 275.862+/-842.940 χ^2/NDF: 25.2/39

asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 4185.197+/-0.713 χ^2/NDF:1796091.9/22

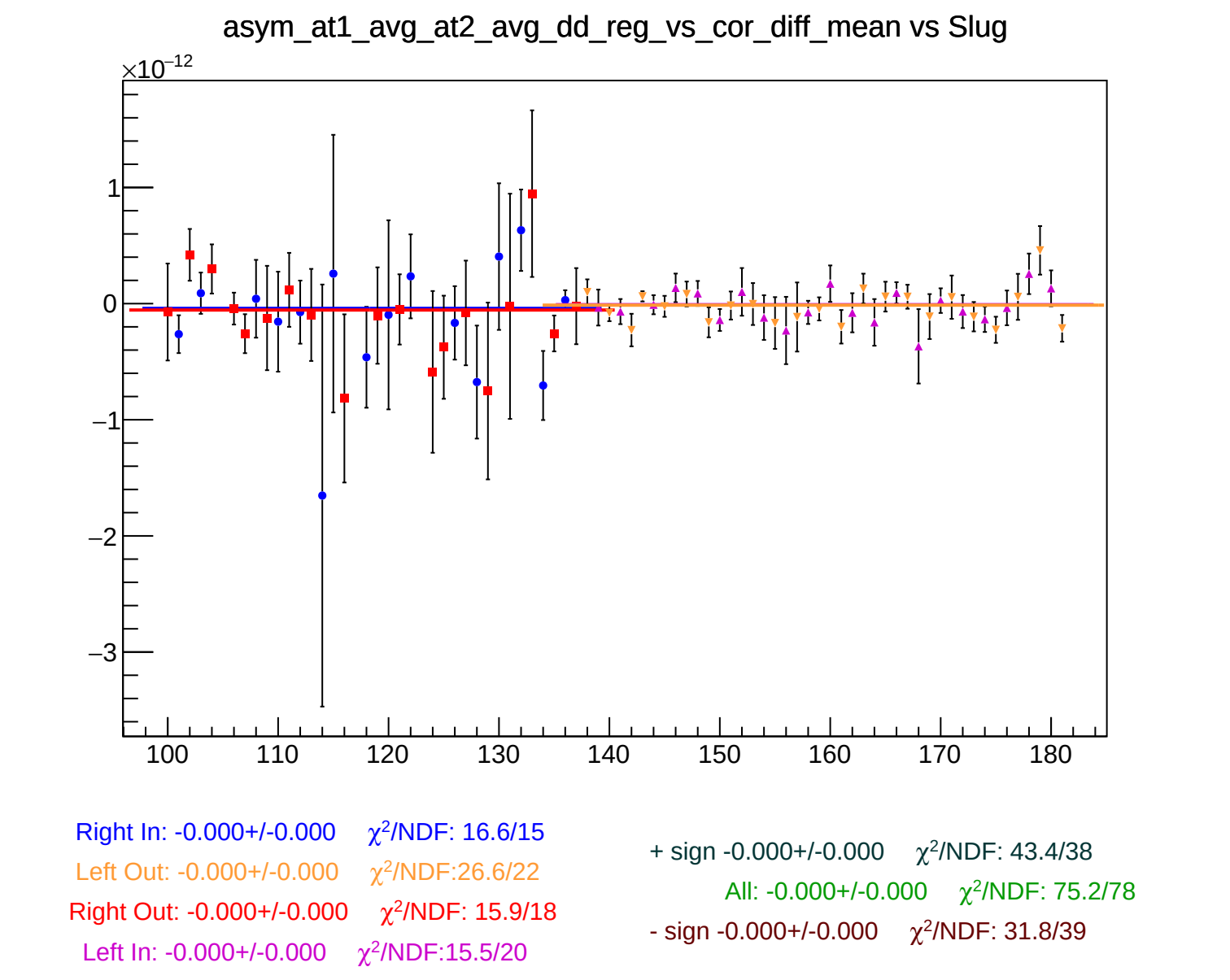
Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

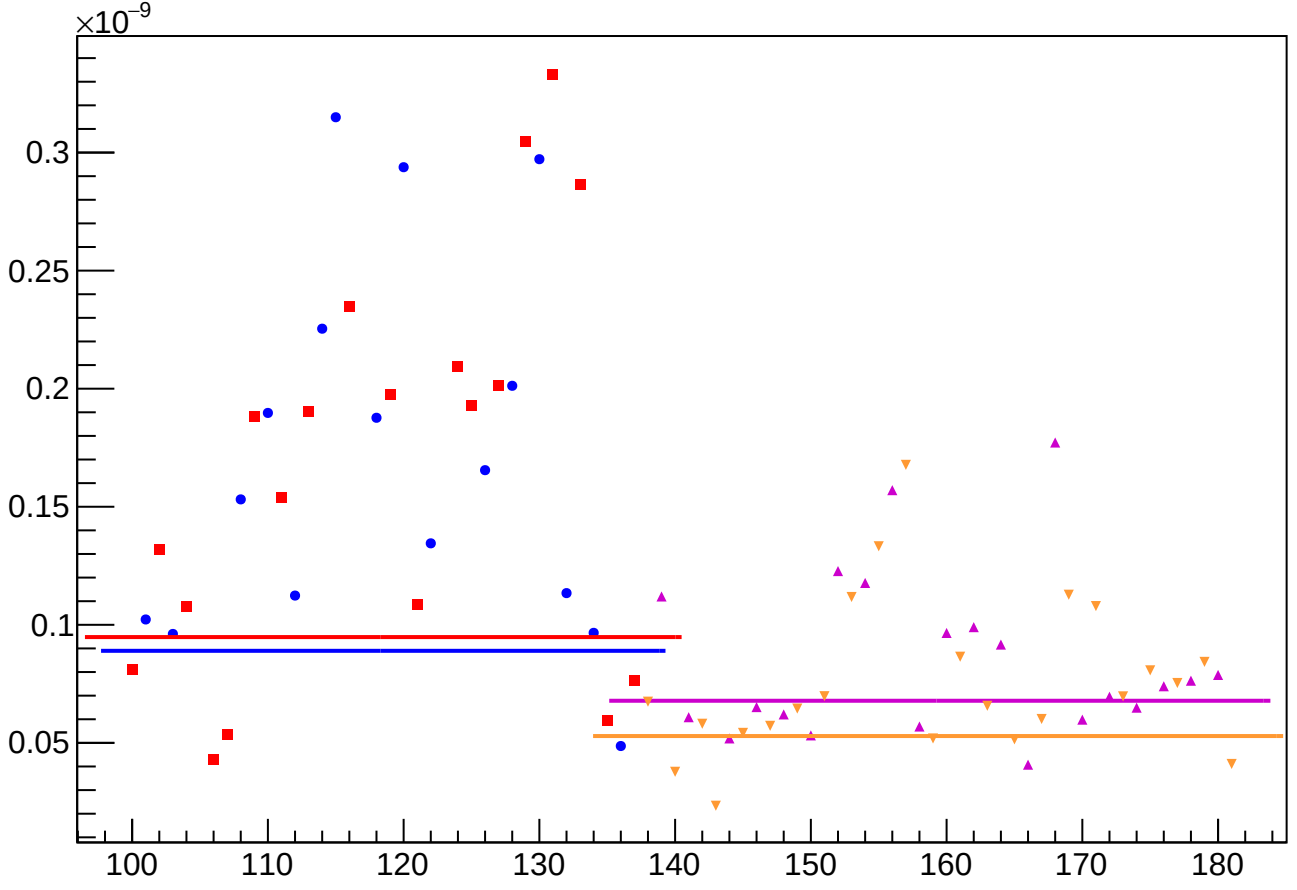
Left In: 4429.354+/-0.768 χ^2/NDF:1060790.8/20

\+ sign 4052.714+/-0.583 χ^2/NDF: 2283131.0/38

All: 4051.131+/-0.416 χ^2/NDF: 4534829.0/78

\- sign 4049.495+/-0.593 χ^2/NDF: 2251683.0/39


asym_at1_avg_at2_avg_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:26.6/22
Right Out: -0.000+/-0.000 χ²/NDF: 15.9/18
Left In: -0.000+/-0.000 χ²/NDF:15.5/20
+ sign -0.000+/-0.000 χ²/NDF: 43.4/38
All: -0.000+/-0.000 χ²/NDF: 75.2/78
- sign -0.000+/-0.000 χ²/NDF: 31.8/39



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:2614098.3/22

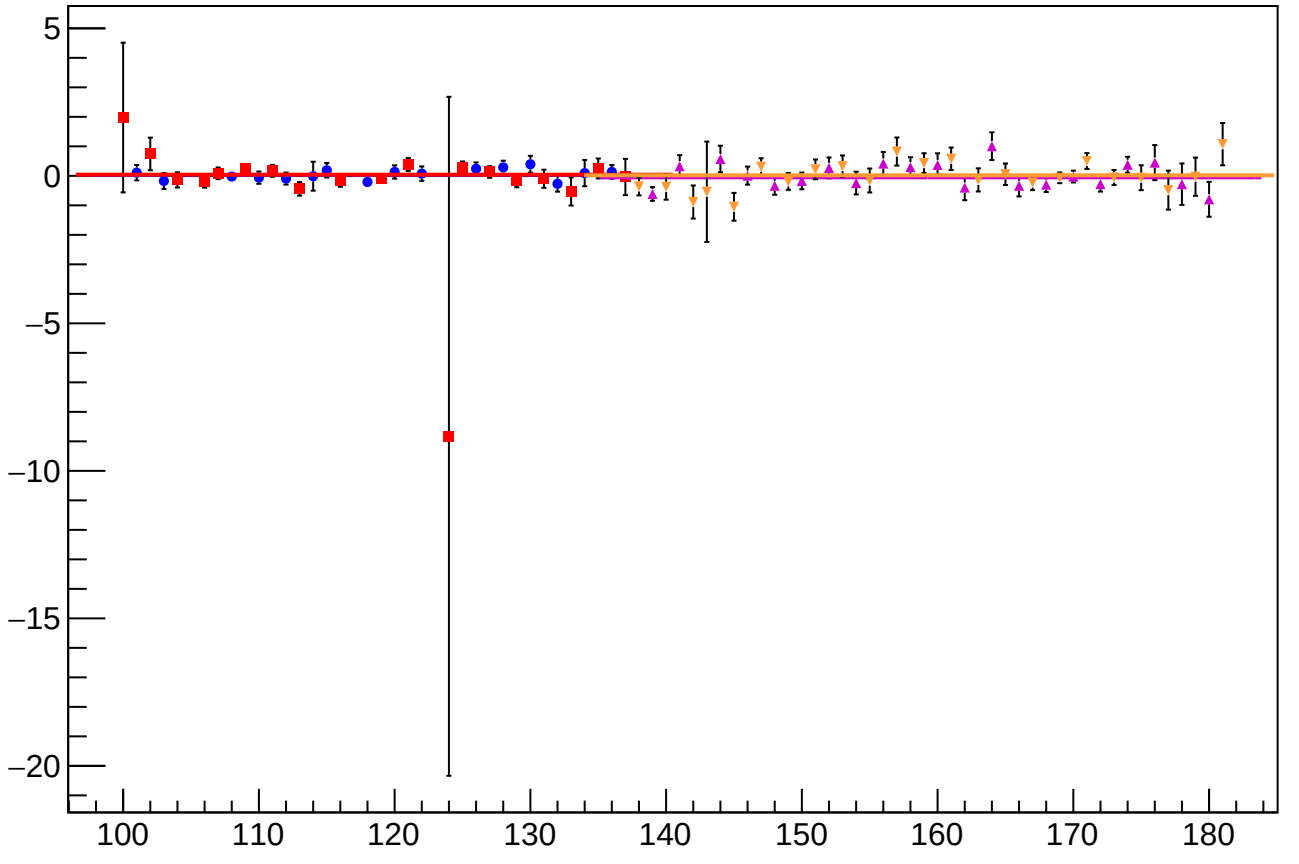
Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1395768.7/20

+ sign 0.000+/-0.000 χ^2/NDF: 4726755.4/38

All: 0.000+/-0.000 χ^2/NDF: 8541239.8/78

- sign 0.000+/-0.000 χ^2/NDF: 3428728.3/39



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.018+/-0.072 χ^2/NDF:27.0/22

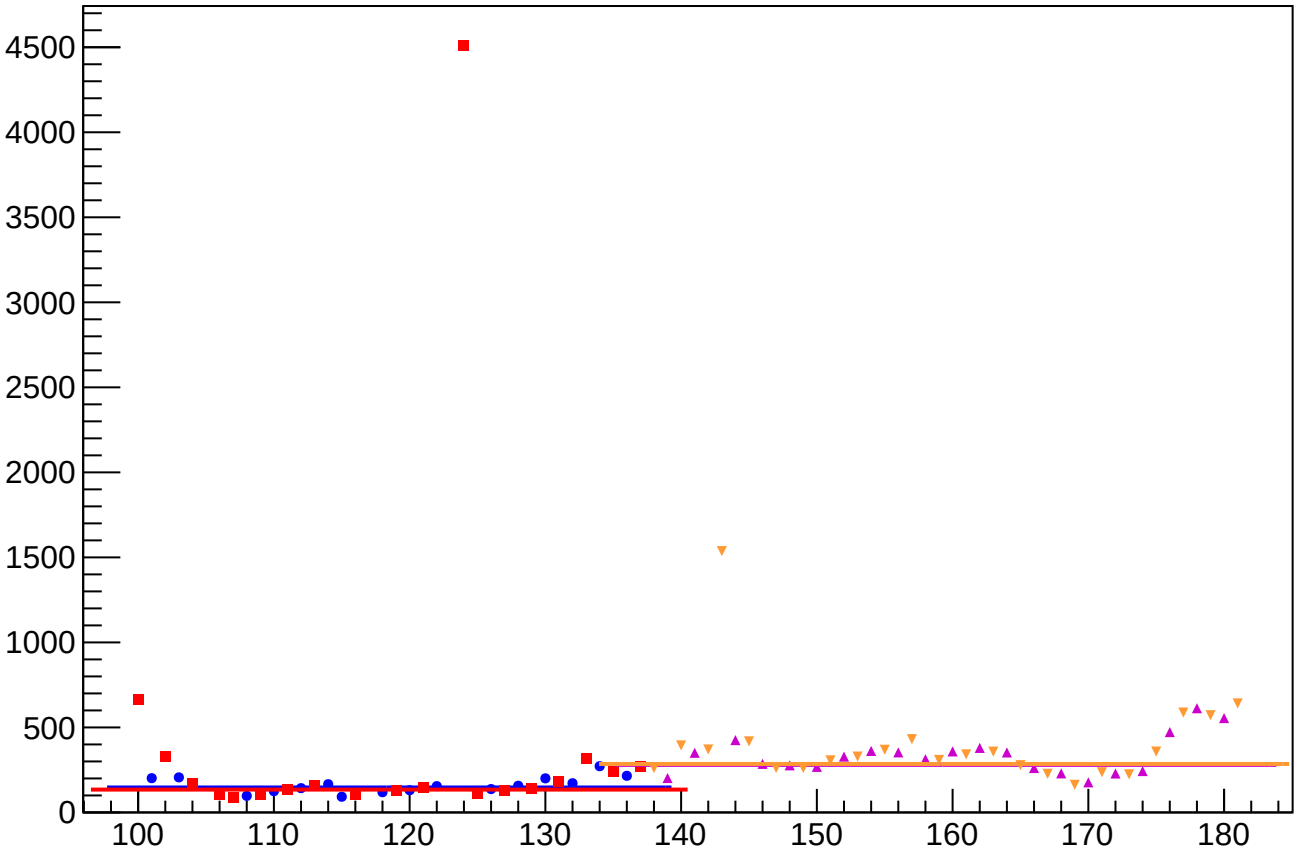
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.051+/-0.071 χ^2/NDF:27.6/20

+ sign 0.024+/-0.045 χ^2/NDF: 36.5/38

All: 0.015+/-0.031 χ^2/NDF: 85.1/78

- sign 0.006+/-0.043 χ^2/NDF: 48.6/39



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 285.190+/-0.051 χ^2/NDF:4442266.0/22

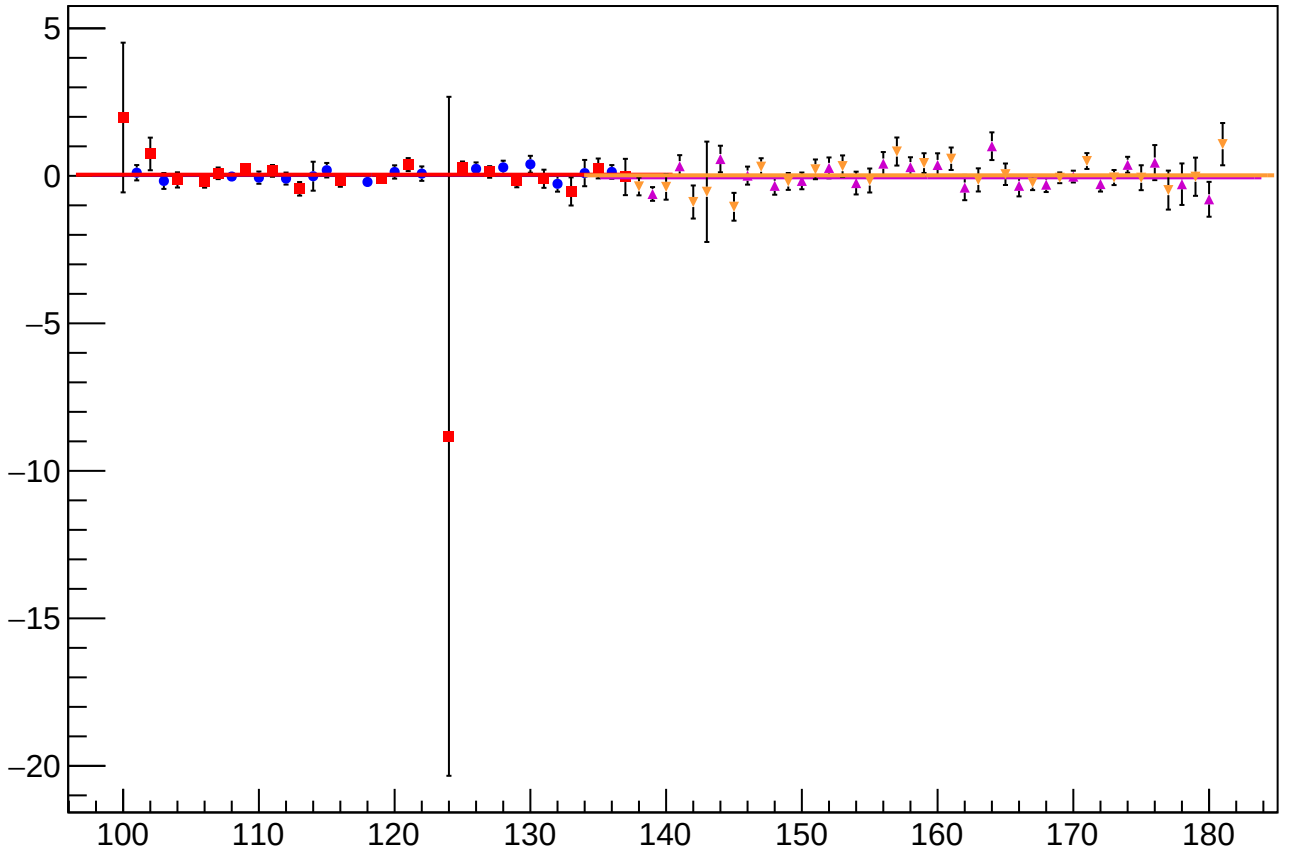
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 279.868+/-0.050 χ^2/NDF:2781571.7/20

+ sign 200.822+/-0.032 χ^2/NDF: 9928333.1/38

All: 194.399+/-0.022 χ^2/NDF: 19619100.6/78

- sign 188.428+/-0.031 χ^2/NDF: 9612358.2/39



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.018+/-0.072 χ^2/NDF:27.0/22

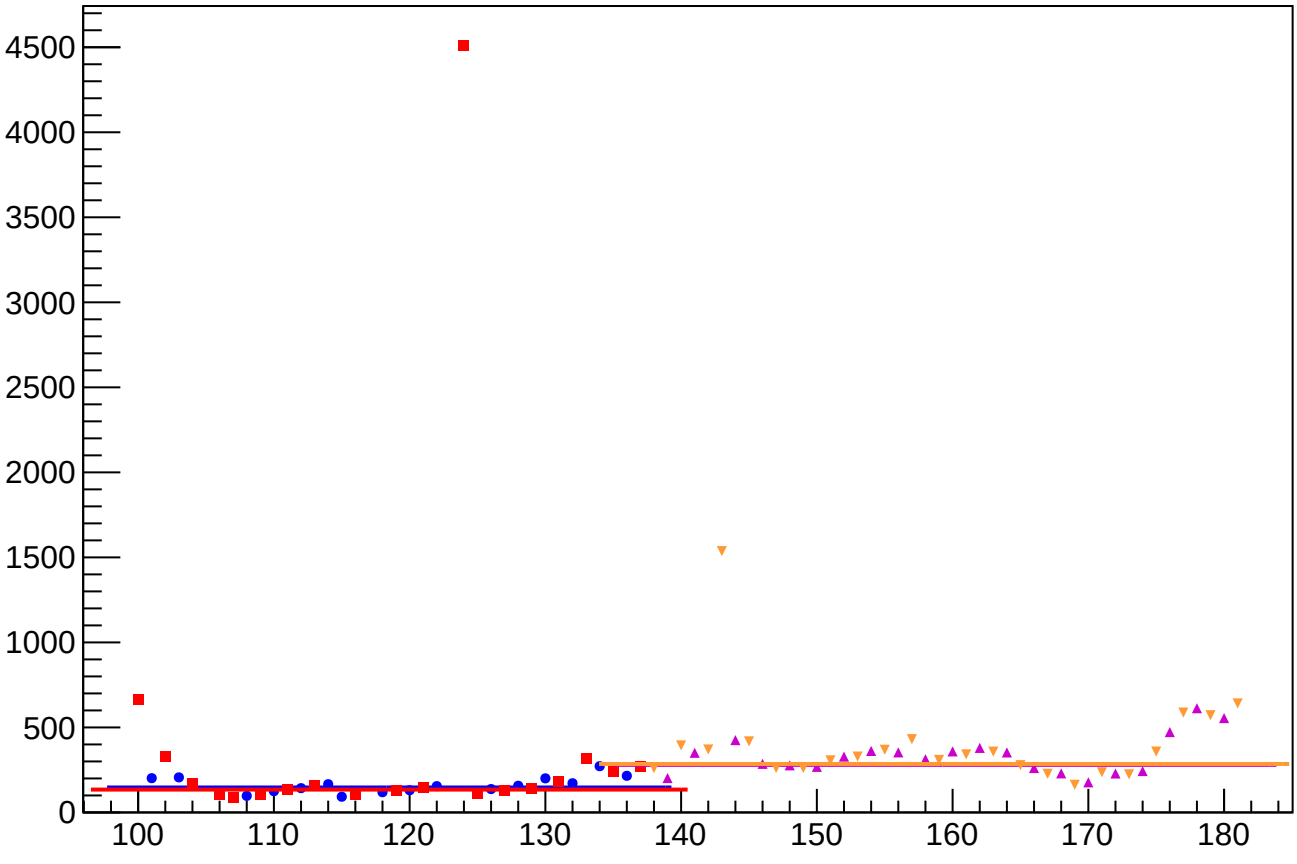
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.051+/-0.071 χ^2/NDF:27.6/20

+ sign 0.024+/-0.045 χ^2/NDF: 36.5/38

All: 0.015+/-0.031 χ^2/NDF: 85.1/78

- sign 0.006+/-0.043 χ^2/NDF: 48.6/39



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 285.190+/-0.051 χ^2/NDF:4442266.0/22

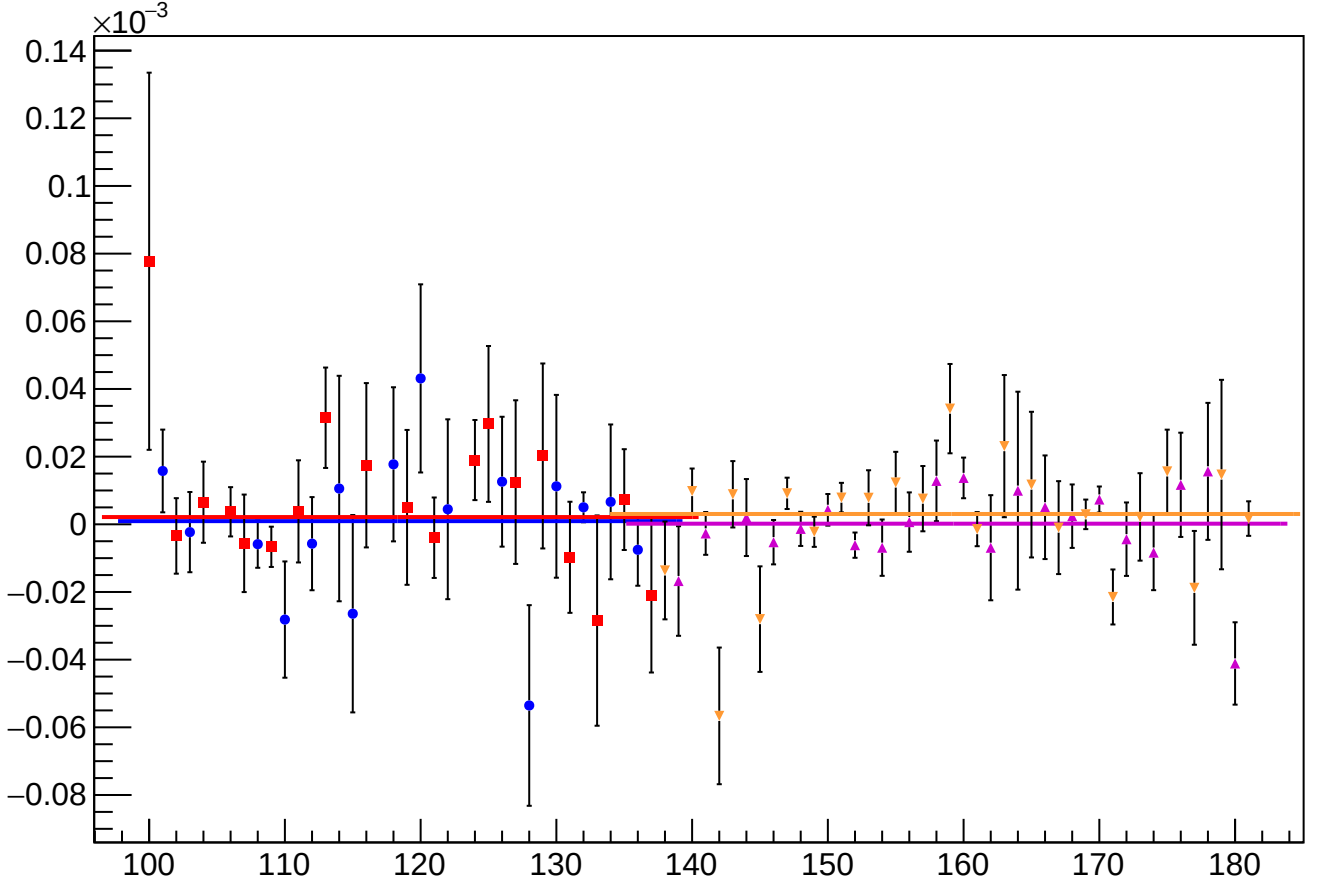
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 279.868+/-0.050 χ^2/NDF:2781571.7/20

+ sign 200.822+/-0.032 χ^2/NDF: 9928333.1/38

All: 194.399+/-0.022 χ^2/NDF: 19619100.6/78

- sign 188.428+/-0.031 χ^2/NDF: 9612358.2/39



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:41.0/22

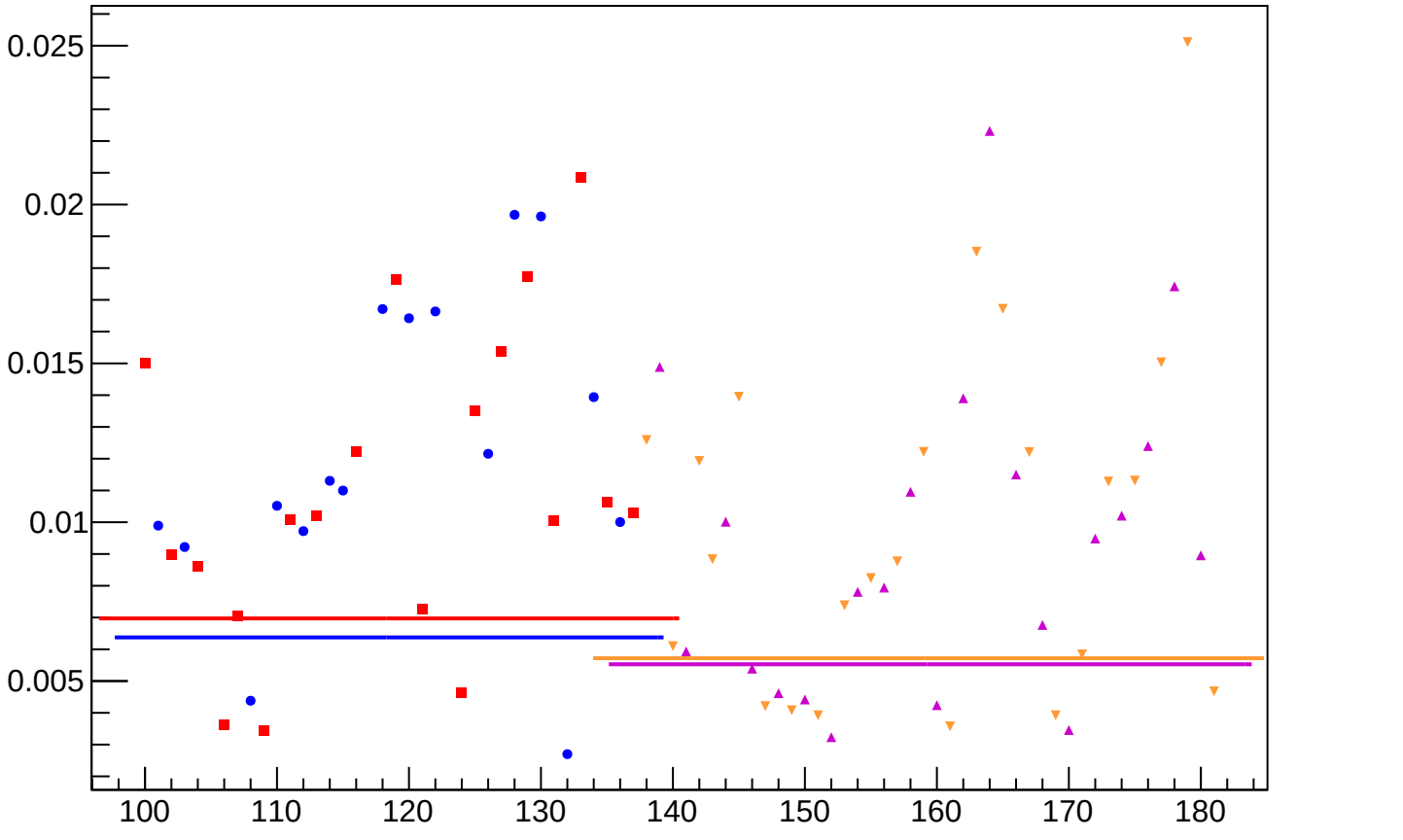
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: 0.000+/-0.000 χ^2/NDF:30.1/20

+ sign 0.000+/-0.000 χ^2/NDF: 56.2/38

All: 0.000+/-0.000 χ^2/NDF: 103.7/78

- sign 0.000+/-0.000 χ^2/NDF: 46.4/39



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.006+/-0.000 χ^2/NDF:7997784.9/22

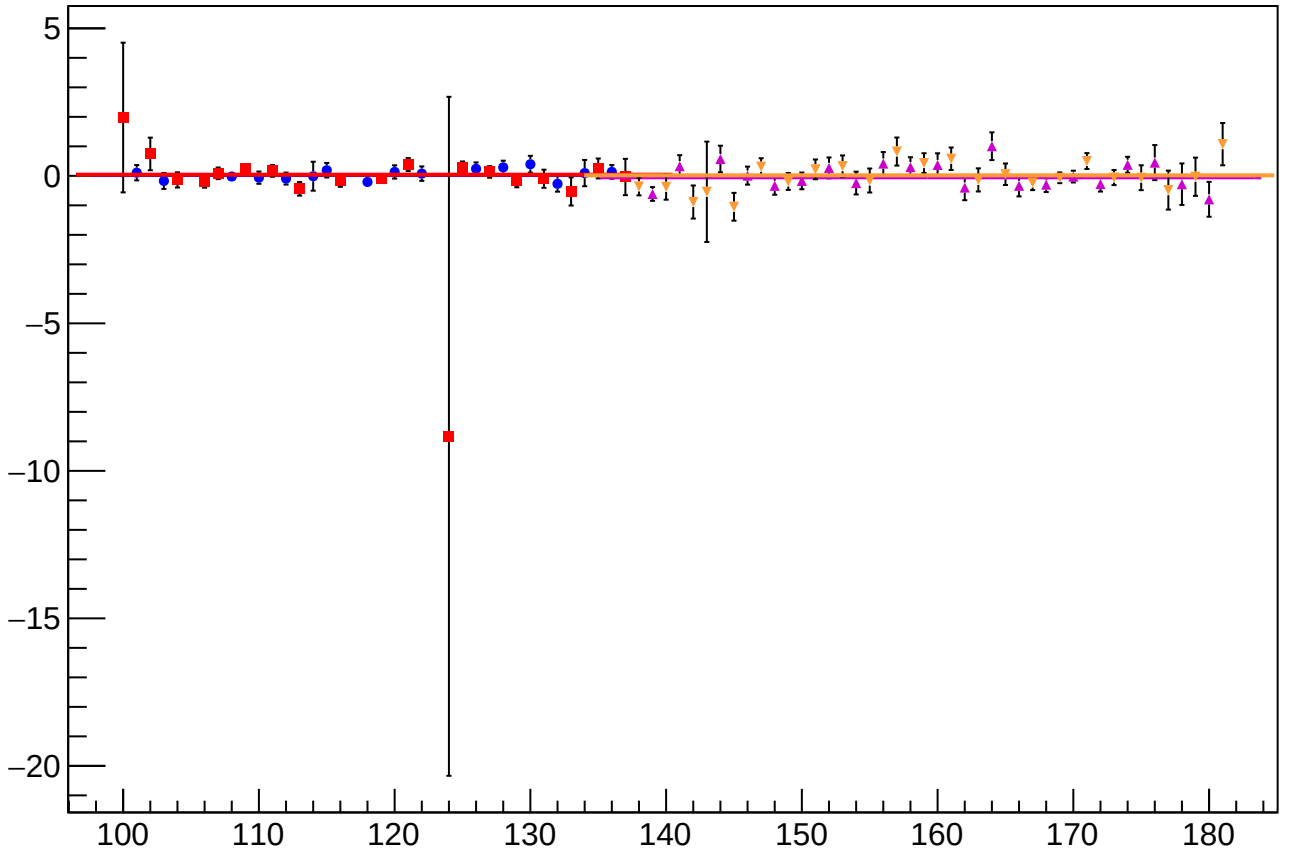
Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.006+/-0.000 χ^2/NDF:6756812.9/20

+ sign 0.006+/-0.000 χ^2/NDF: 12715665.1/38

All: 0.006+/-0.000 χ^2/NDF: 23242029.5/78

- sign 0.006+/-0.000 χ^2/NDF: 10526098.1/39



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.018+/-0.072 χ^2/NDF:27.0/22

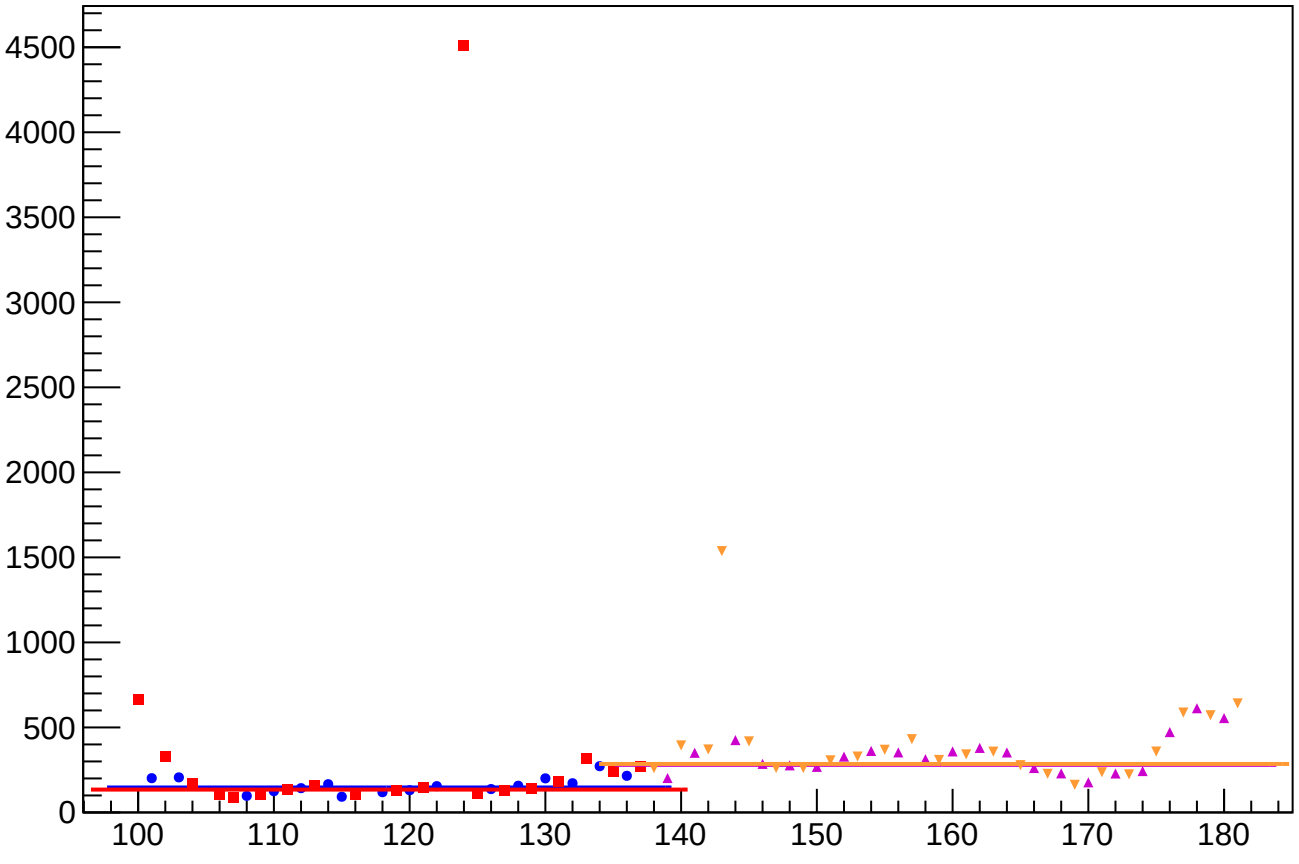
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.051+/-0.071 χ^2/NDF:27.6/20

+ sign 0.024+/-0.045 χ^2/NDF: 36.5/38

All: 0.015+/-0.031 χ^2/NDF: 85.2/78

- sign 0.006+/-0.043 χ^2/NDF: 48.6/39



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 285.190+/-0.051 χ^2/NDF:4442450.0/22

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

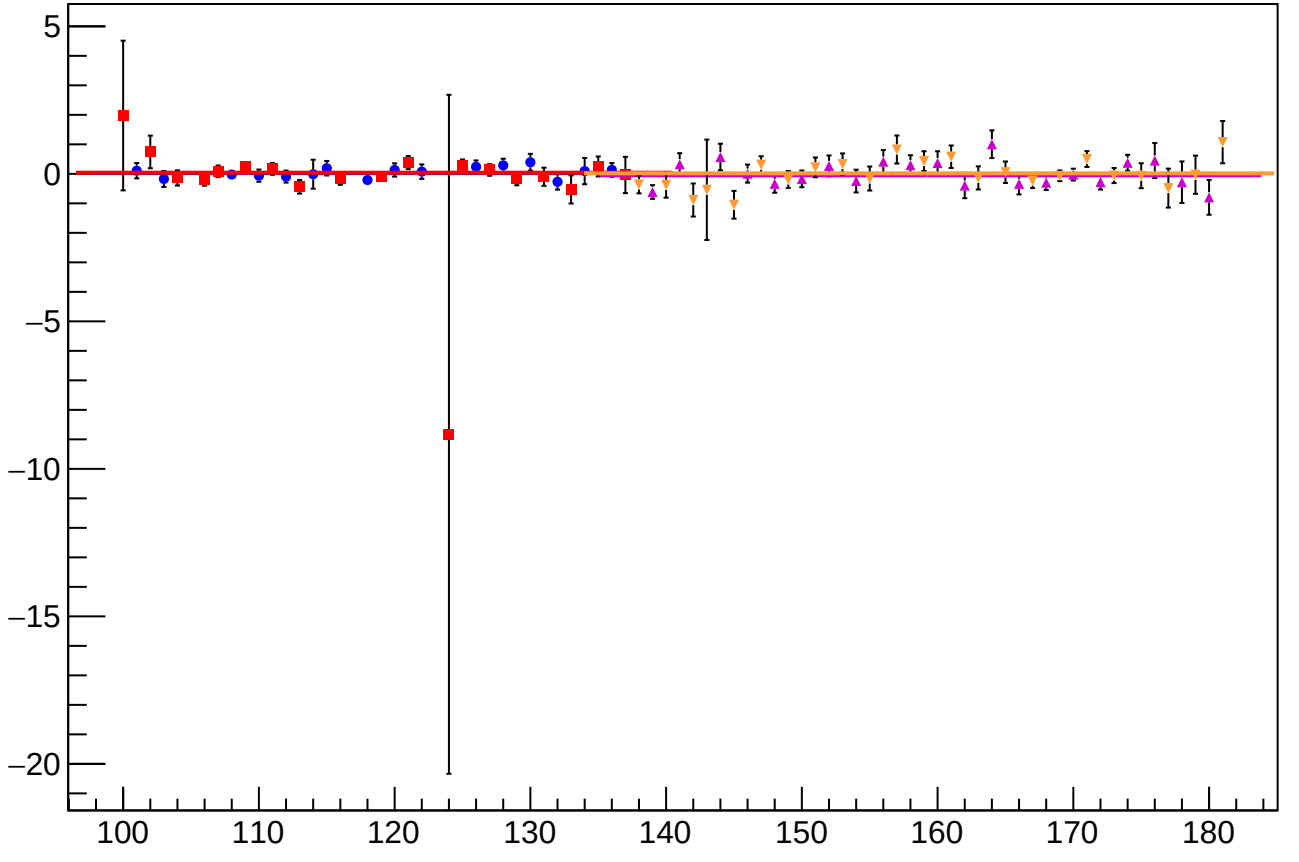
Left In: 279.870+/-0.050 χ^2/NDF:2781676.9/20

+ sign 200.821+/-0.032 χ^2/NDF: 9928457.6/38

All: 194.400+/-0.022 χ^2/NDF: 19619178.9/78

- sign 188.430+/-0.031 χ^2/NDF: 9612333.6/39

asym_at1_avg_at2_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.018+/-0.072 χ^2/NDF:27.0/22

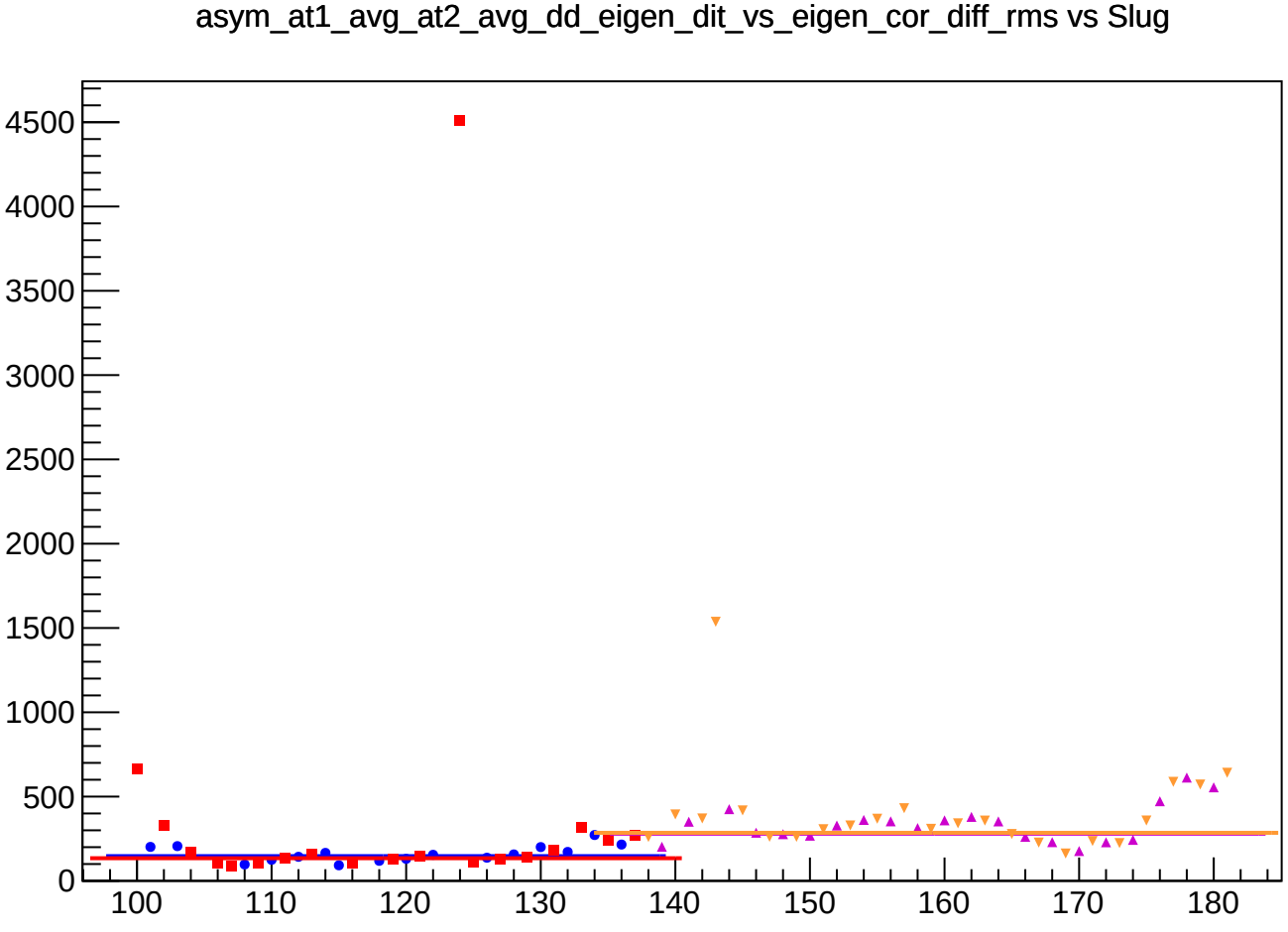
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.051+/-0.071 χ^2/NDF:27.6/20

+ sign 0.024+/-0.045 χ^2/NDF: 36.5/38

All: 0.015+/-0.031 χ^2/NDF: 85.2/78

- sign 0.006+/-0.043 χ^2/NDF: 48.6/39



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 285.190+/-0.051 χ^2/NDF:4442450.0/22

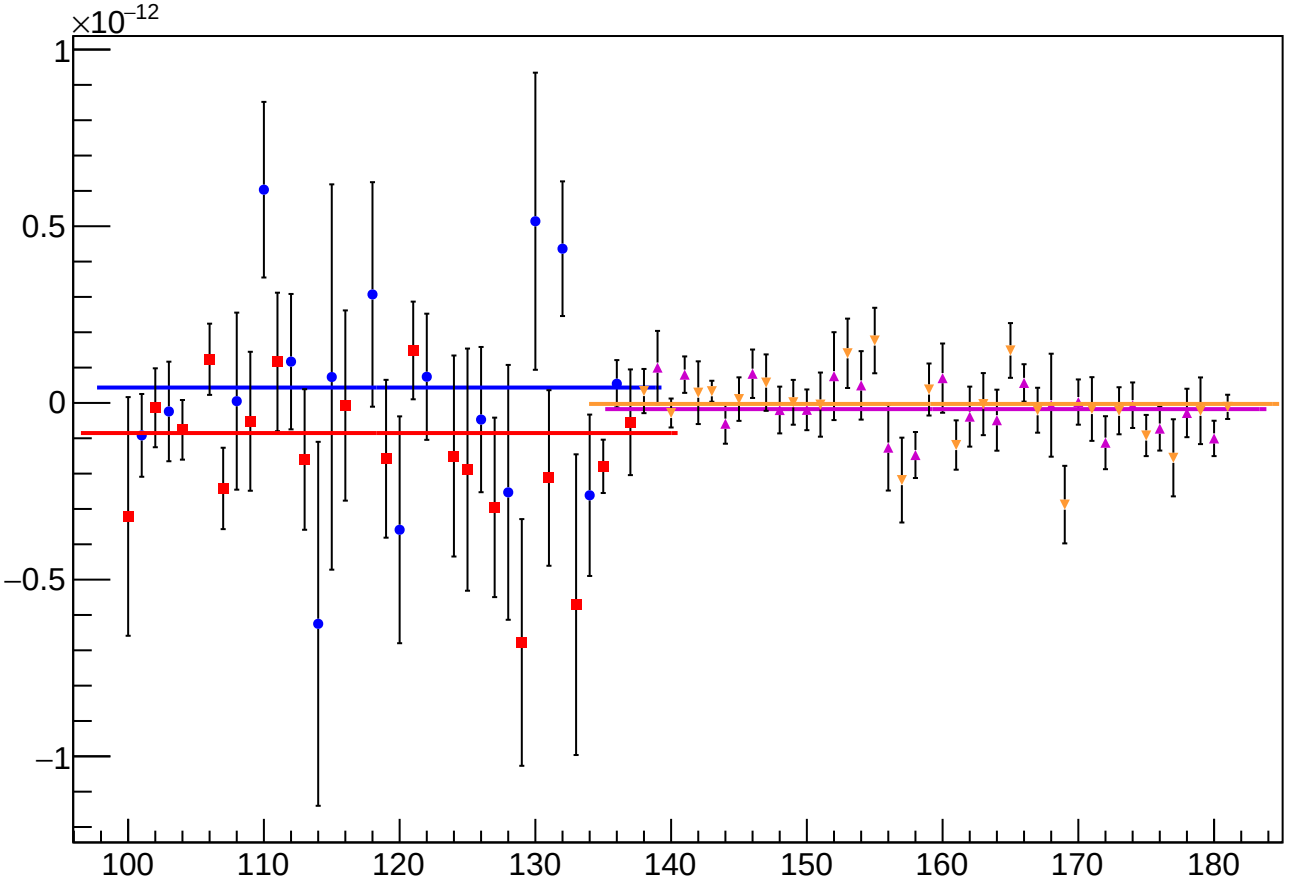
Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 279.870+/-0.050 χ^2/NDF:2781676.9/20

+ sign 200.821+/-0.032 χ^2/NDF: 9928457.6/38

All: 194.400+/-0.022 χ^2/NDF: 19619178.9/78

- sign 188.430+/-0.031 χ^2/NDF: 9612333.6/39



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:30.3/22

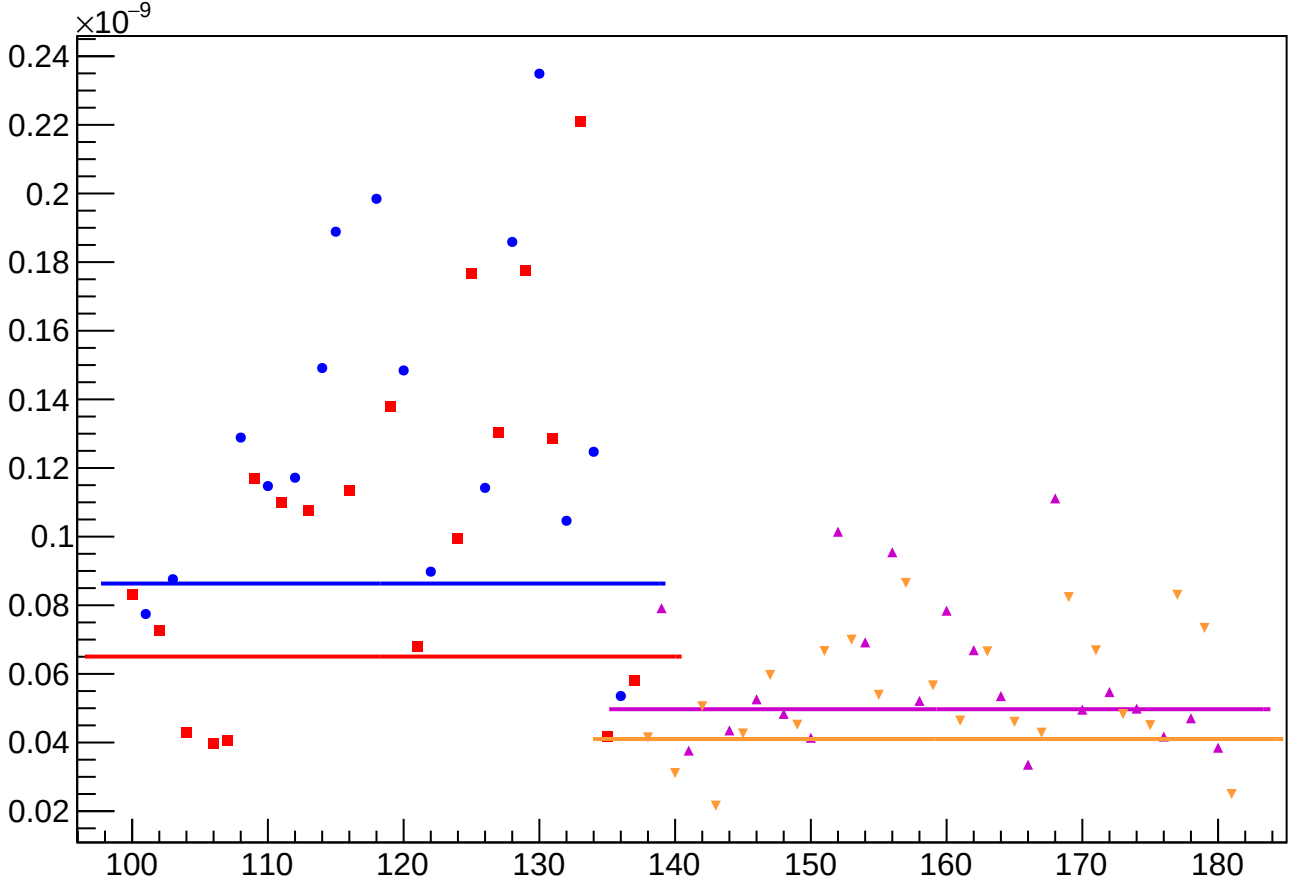
Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:21.6/20

+ sign 0.000+/-0.000 χ^2/NDF: 50.3/38

All: -0.000+/-0.000 χ^2/NDF: 96.0/78

- sign -0.000+/-0.000 χ^2/NDF: 43.1/39



Right In: 0.000+/-0.000 χ^2/NDF: 1565662.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:3512442.5/22

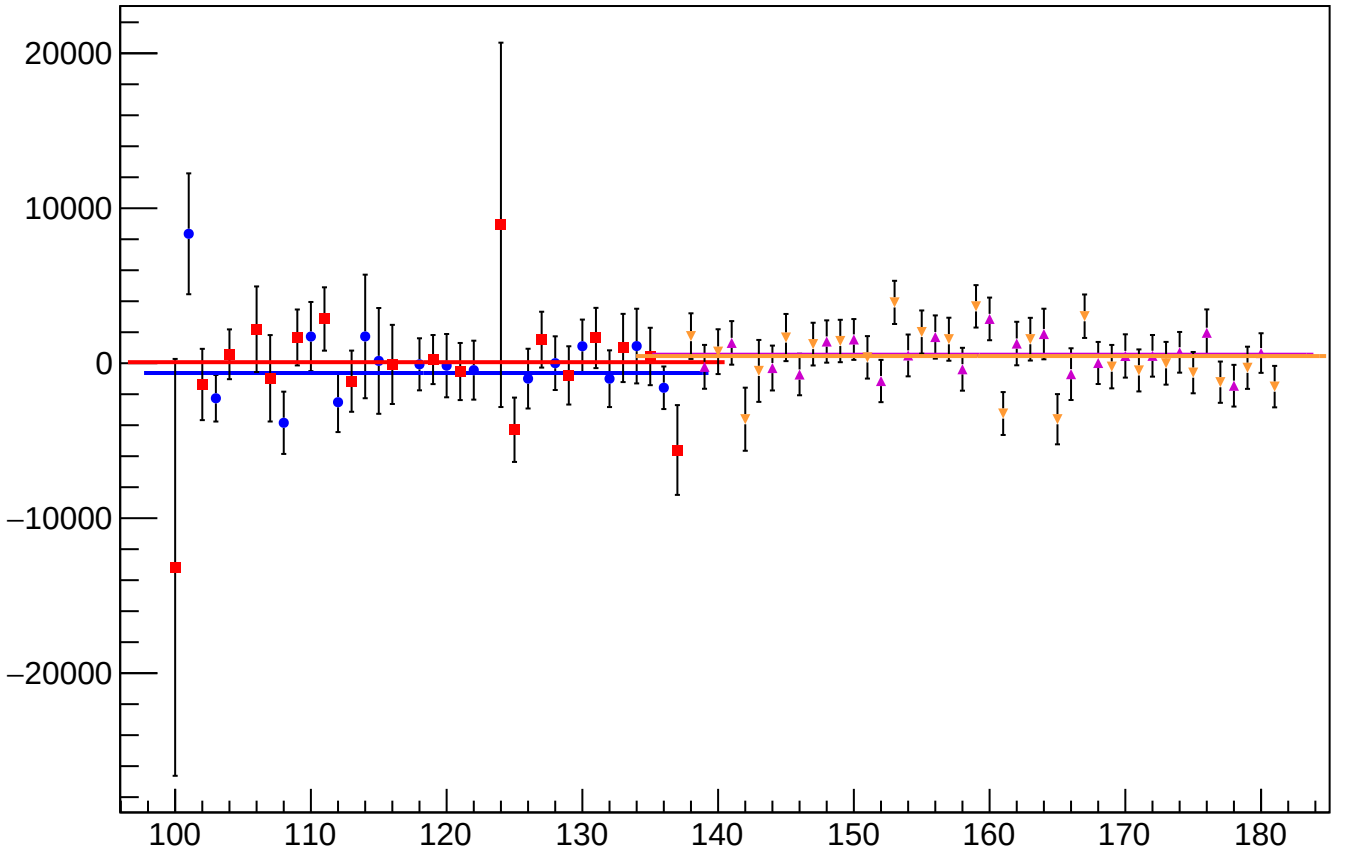
Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1999591.8/20

+ sign 0.000+/-0.000 χ^2/NDF: 7135096.4/38

All: 0.000+/-0.000 χ^2/NDF: 11941020.3/78

- sign 0.000+/-0.000 χ^2/NDF: 4494025.7/39



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 462.177+/-297.716 χ^2/NDF:43.0/22

Right Out: 67.642+/-487.761 χ^2/NDF: 15.9/18

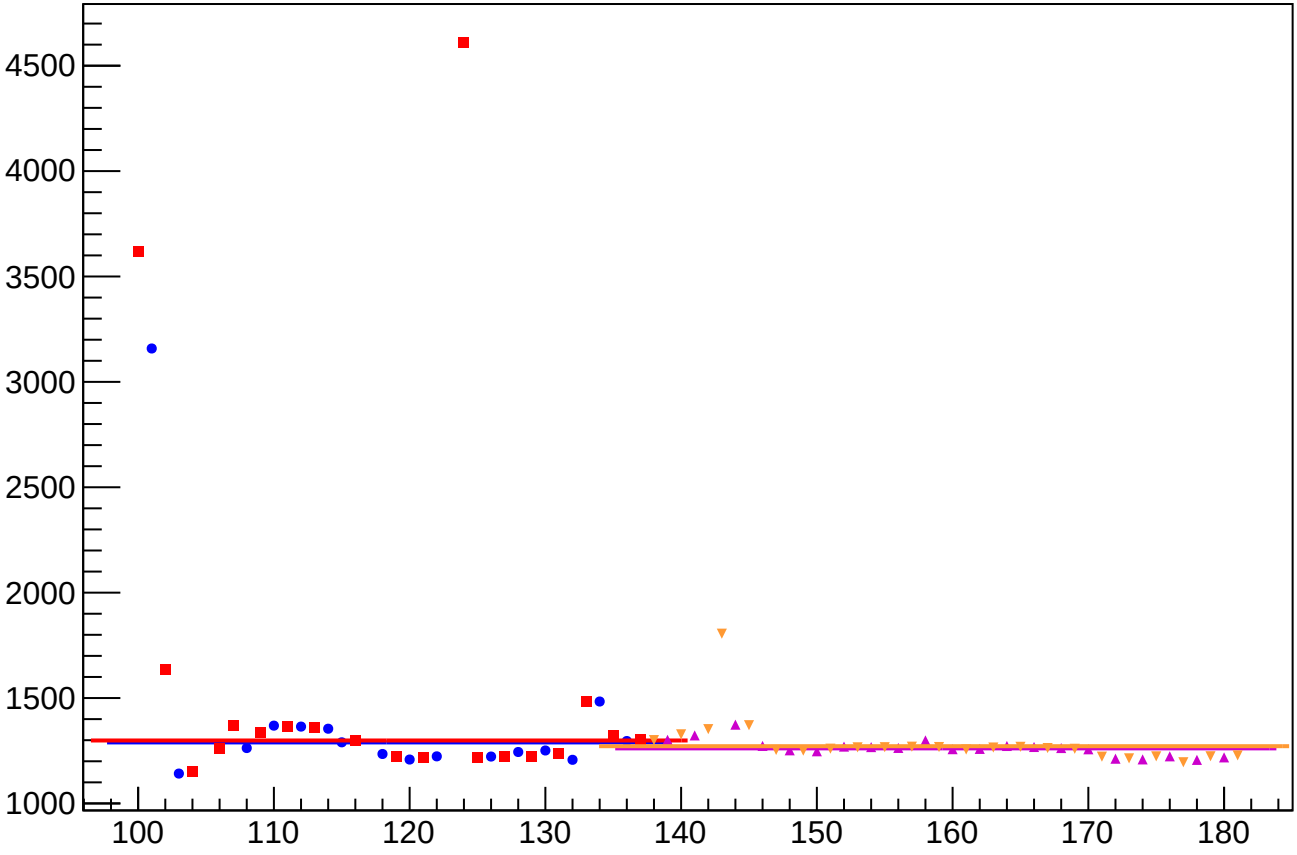
Left In: 549.417+/-303.758 χ^2/NDF:13.1/20

+ sign 166.241+/-254.247 χ^2/NDF: 60.6/38

All: 288.766+/-181.039 χ^2/NDF: 90.7/78

- sign 414.785+/-257.846 χ^2/NDF: 29.6/39

reg_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1271.558+/-0.211 χ^2/NDF:179720.0/22

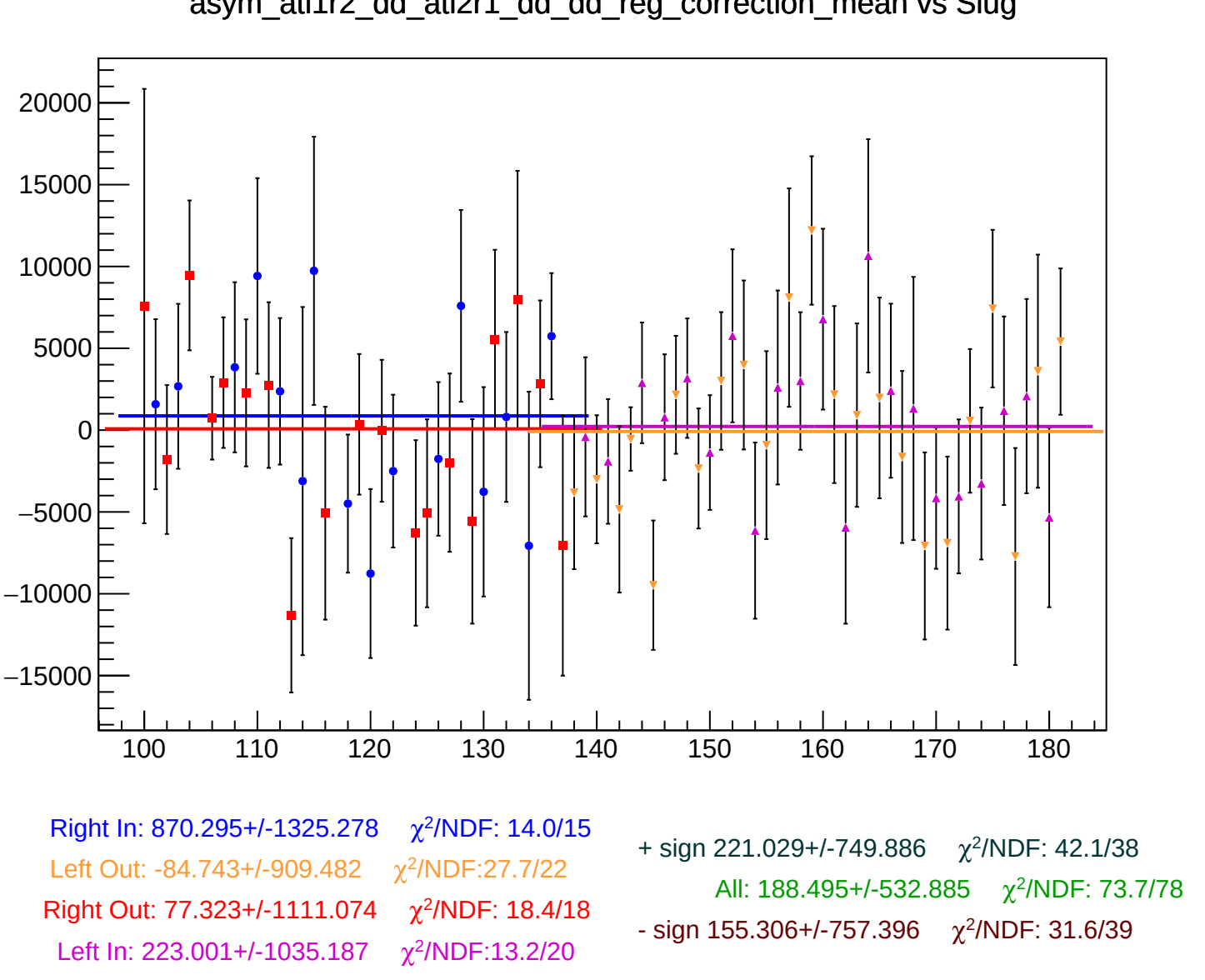
Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

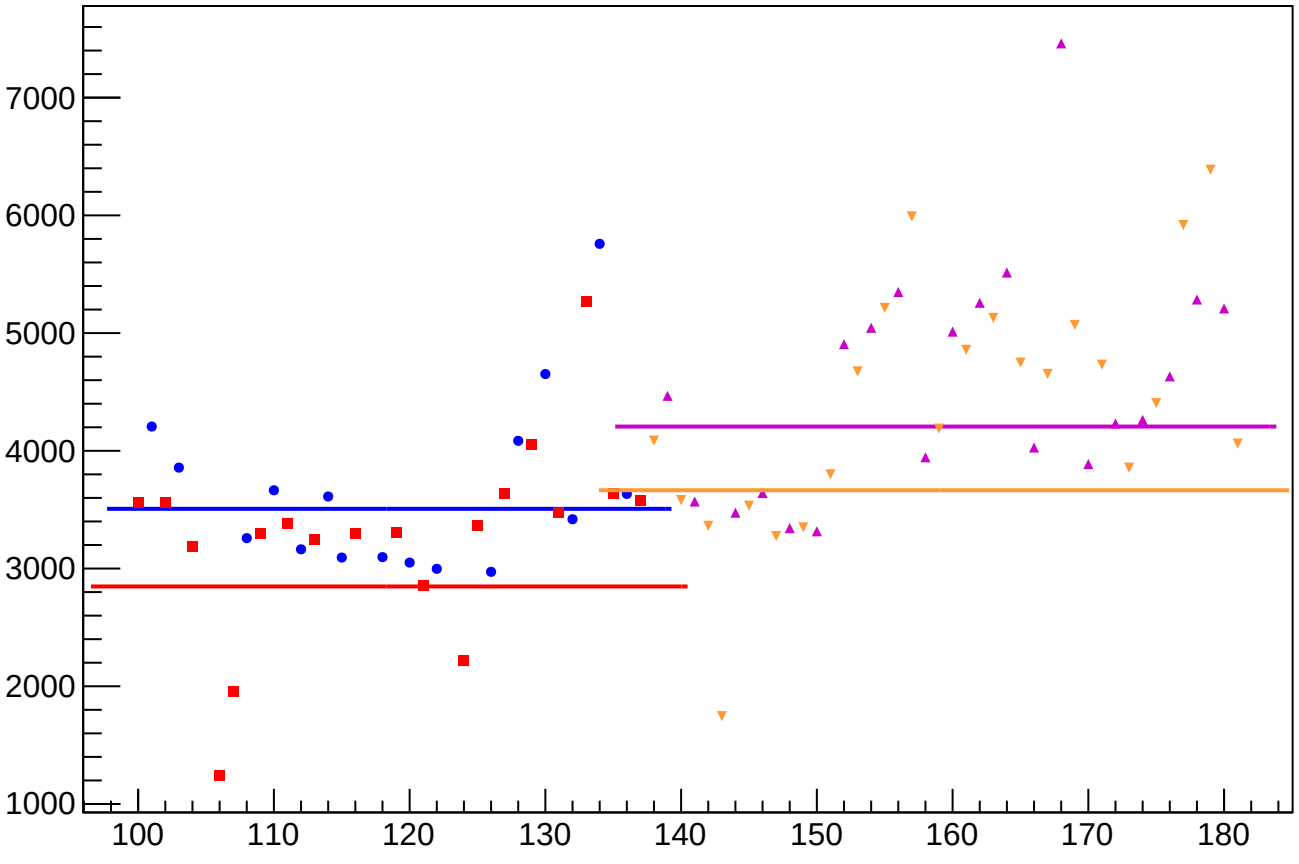
Left In: 1261.174+/-0.215 χ^2/NDF:32411.3/20

+ sign 1276.406+/-0.180 χ^2/NDF: 696353.9/38

All: 1274.078+/-0.128 χ^2/NDF: 1057021.8/78

- sign 1271.688+/-0.182 χ^2/NDF: 360328.1/39


asym_atl1r2_dd_atl2r1_dd_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: -84.743+/-909.482 χ²/NDF:27.7/22
Right Out: 77.323+/-1111.074 χ²/NDF: 18.4/18
Left In: 223.001+/-1035.187 χ²/NDF:13.2/20
+ sign 221.029+/-749.886 χ²/NDF: 42.1/38
All: 188.495+/-532.885 χ²/NDF: 73.7/78
- sign 155.306+/-757.396 χ²/NDF: 31.6/39



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

Left Out: 3665.168+/-0.643 χ^2/NDF:3675034.8/22

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

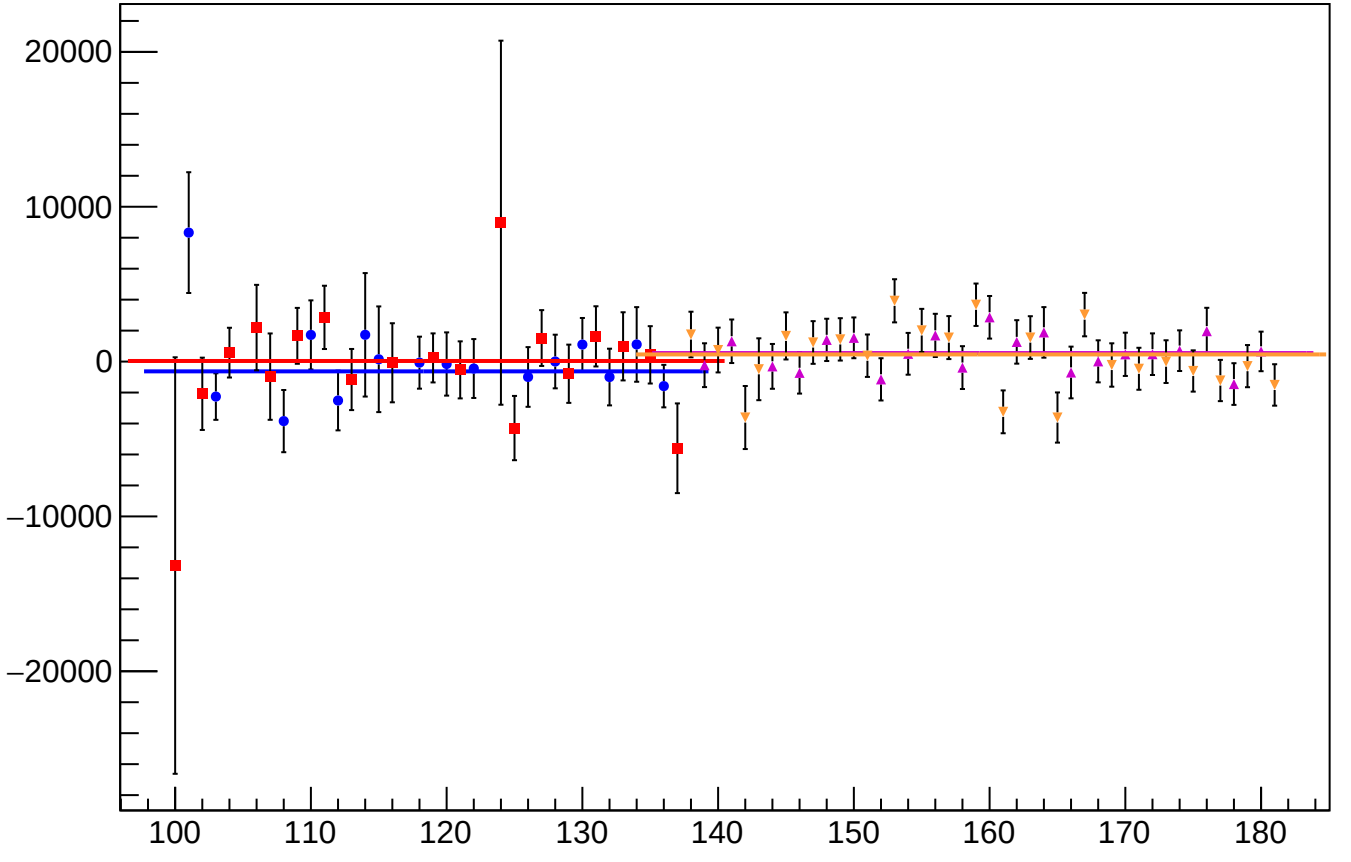
Left In: 4206.175+/-0.732 χ^2/NDF:1248623.3/20

\+ sign 3614.655+/-0.530 χ^2/NDF: 4048283.6/38

All: 3595.011+/-0.377 χ^2/NDF: 8399239.7/78

\- sign 3574.972+/-0.536 χ^2/NDF: 4348183.7/39

cor_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 462.210+/-297.716 χ^2/NDF:43.0/22

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

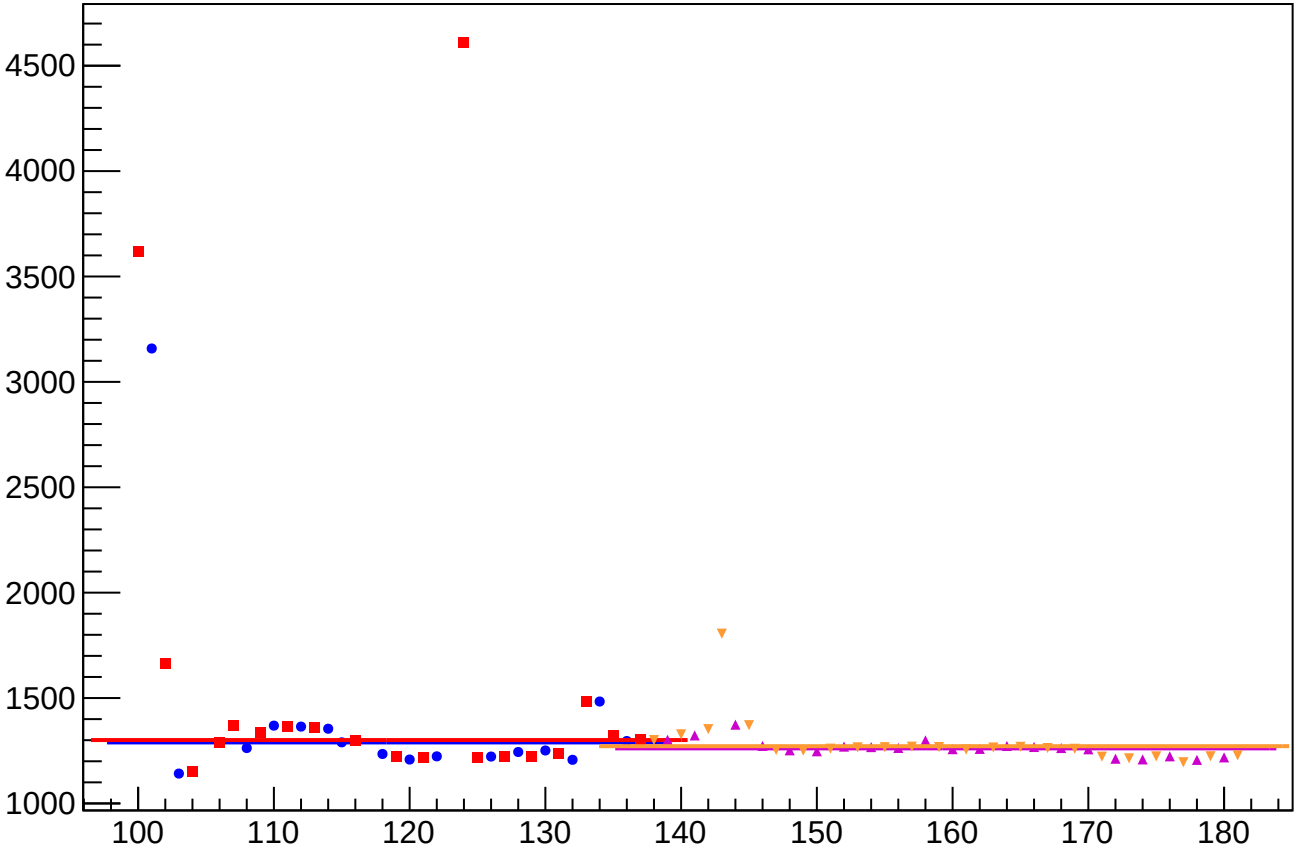
Left In: 549.318+/-303.758 χ^2/NDF:13.1/20

+ sign 166.160+/-254.247 χ^2/NDF: 60.6/38

All: 284.737+/-181.055 χ^2/NDF: 91.2/78

- sign 406.740+/-257.893 χ^2/NDF: 30.2/39

cor_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1271.558+/-0.211 χ^2/NDF:179720.0/22

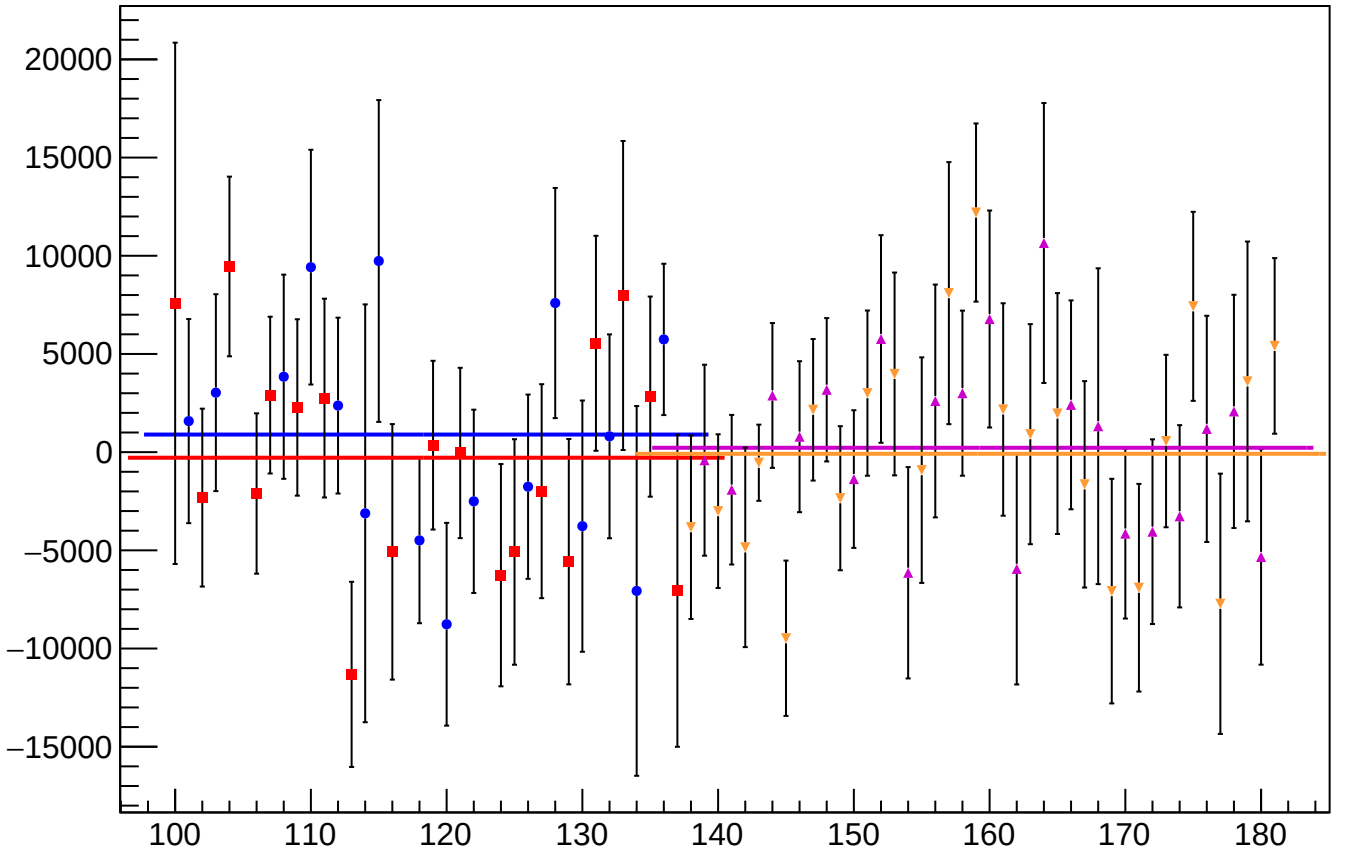
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1261.174+/-0.215 χ^2/NDF:32411.2/20

+ sign 1276.406+/-0.180 χ^2/NDF: 696355.3/38

All: 1274.349+/-0.128 χ^2/NDF: 1064411.8/78

- sign 1272.234+/-0.182 χ^2/NDF: 367790.9/39



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -84.671+/-909.481 χ^2/NDF:27.7/22

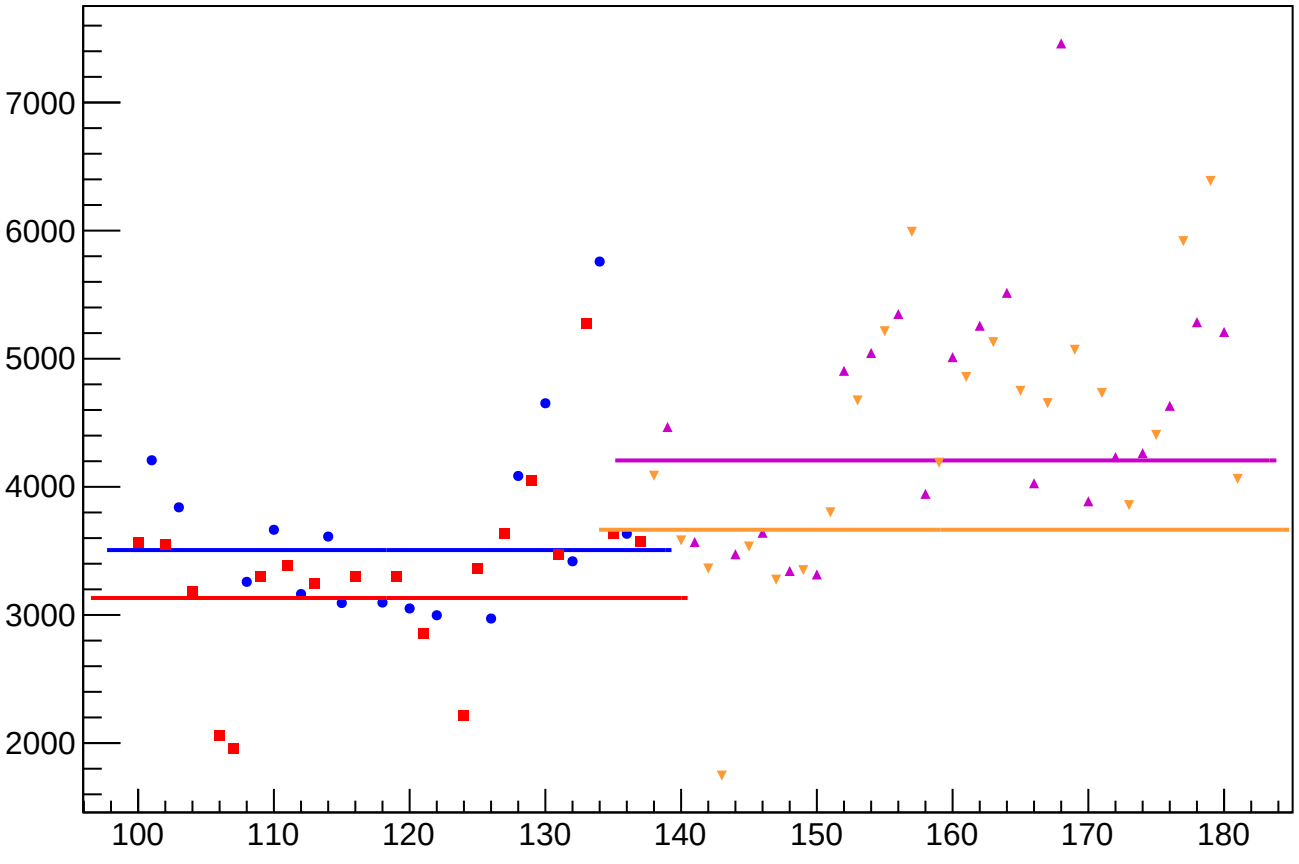
Right Out: -283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: 222.990+/-1035.185 χ^2/NDF:13.2/20

+ sign 229.459+/-749.803 χ^2/NDF: 42.1/38

All: 120.653+/-540.246 χ^2/NDF: 74.1/78

- sign 3.183+/-779.086 χ^2/NDF: 32.0/39



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3665.160+/-0.643 χ^2/NDF:3675073.2/22

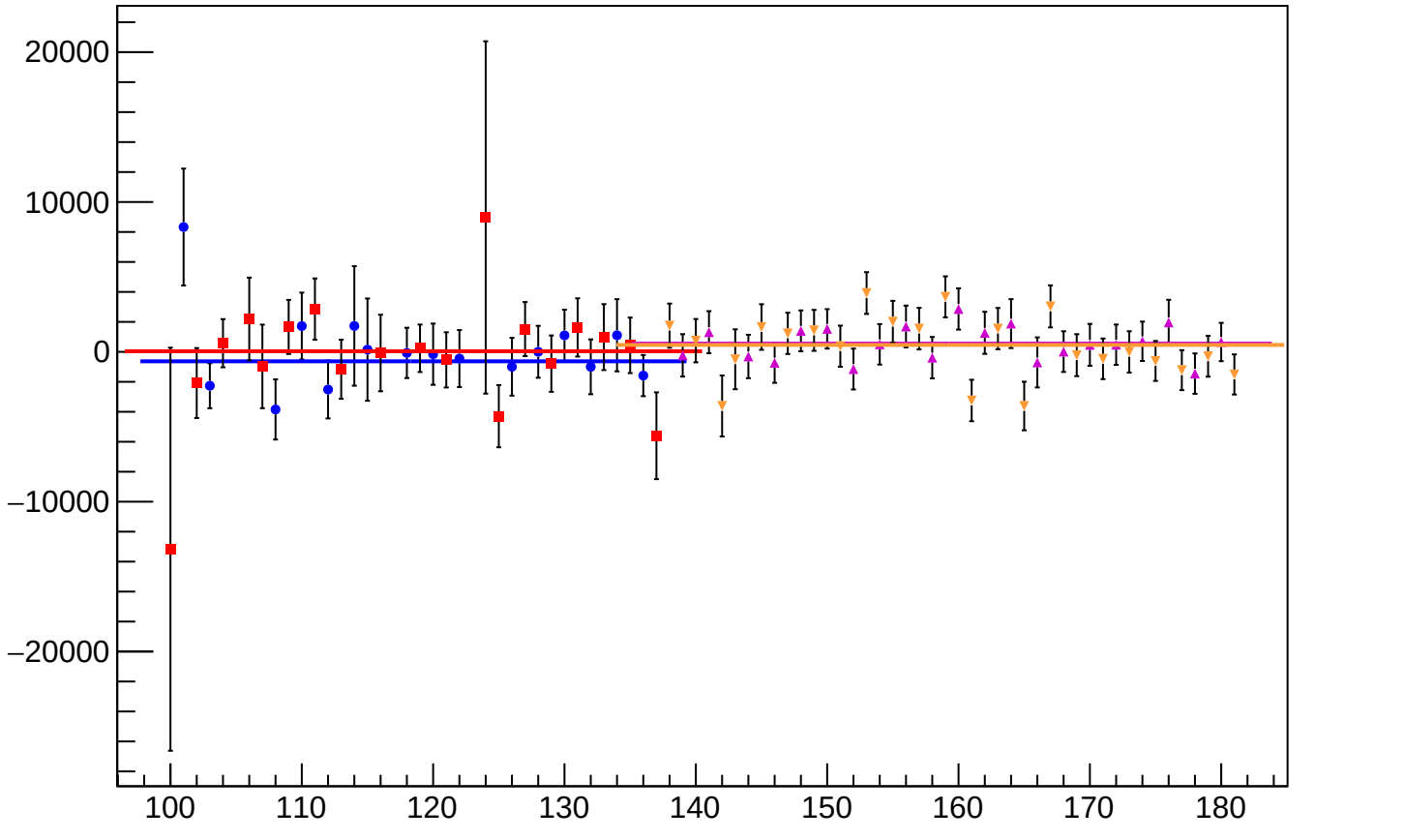
Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 4206.169+/-0.732 χ^2/NDF:1248621.9/20

+ sign 3614.334+/-0.530 χ^2/NDF: 4047811.4/38

All: 3675.087+/-0.382 χ^2/NDF: 6906046.0/78

- sign 3740.679+/-0.551 χ^2/NDF: 2830928.1/39



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 462.210+/-297.716 χ^2/NDF:43.0/22

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

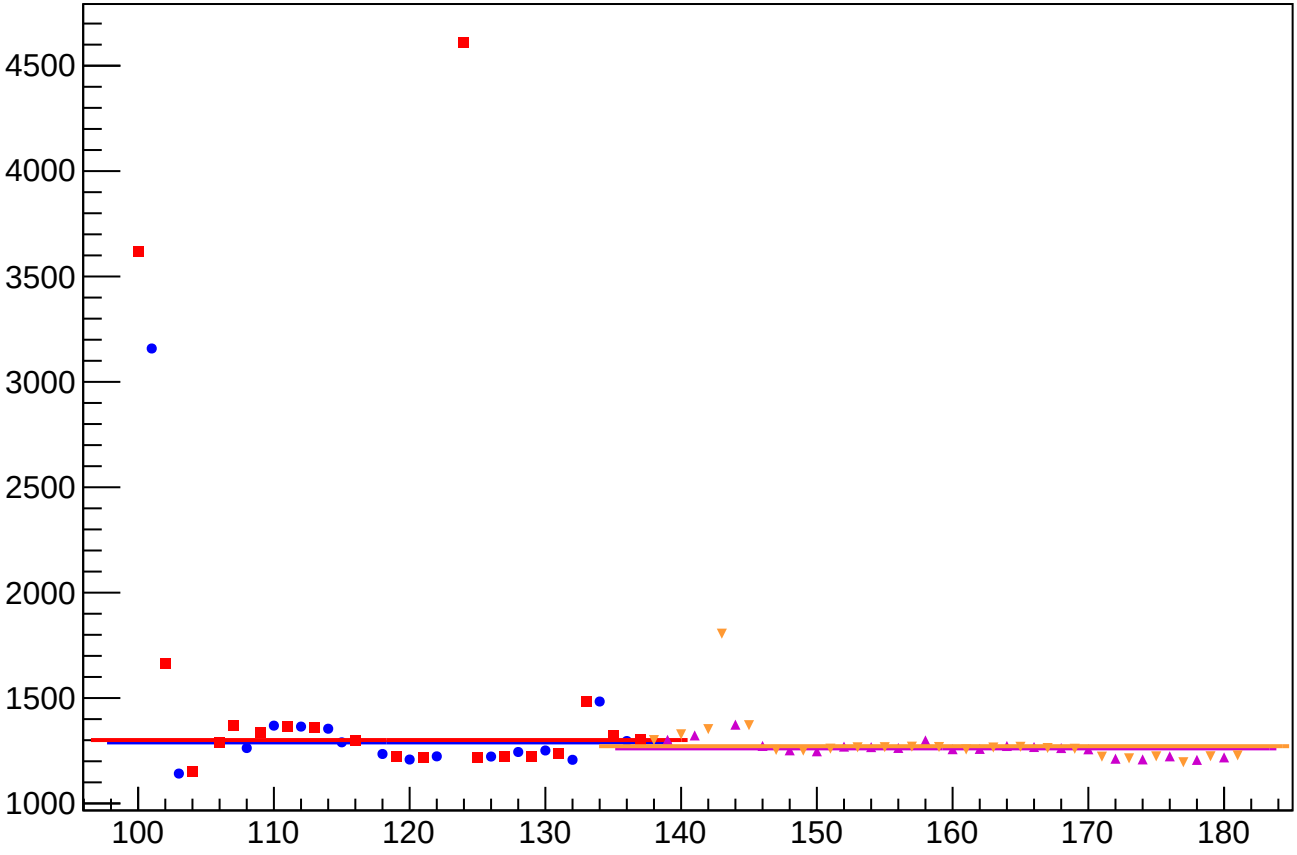
Left In: 549.318+/-303.758 χ^2/NDF:13.1/20

+ sign 166.160+/-254.247 χ^2/NDF: 60.6/38

All: 284.737+/-181.055 χ^2/NDF: 91.2/78

- sign 406.740+/-257.893 χ^2/NDF: 30.2/39

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: 1271.558+/-0.211 χ^2/NDF:179720.0/22

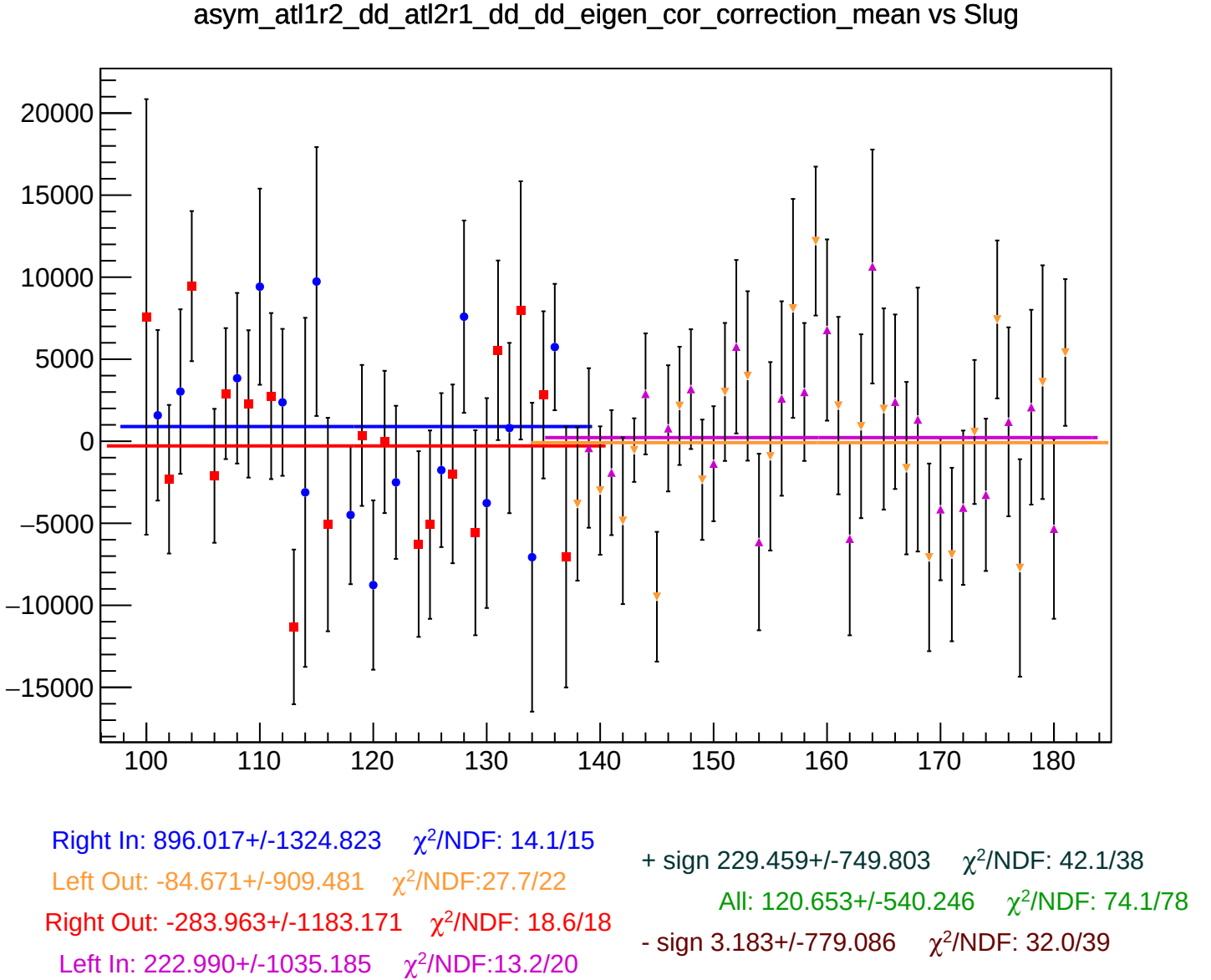
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

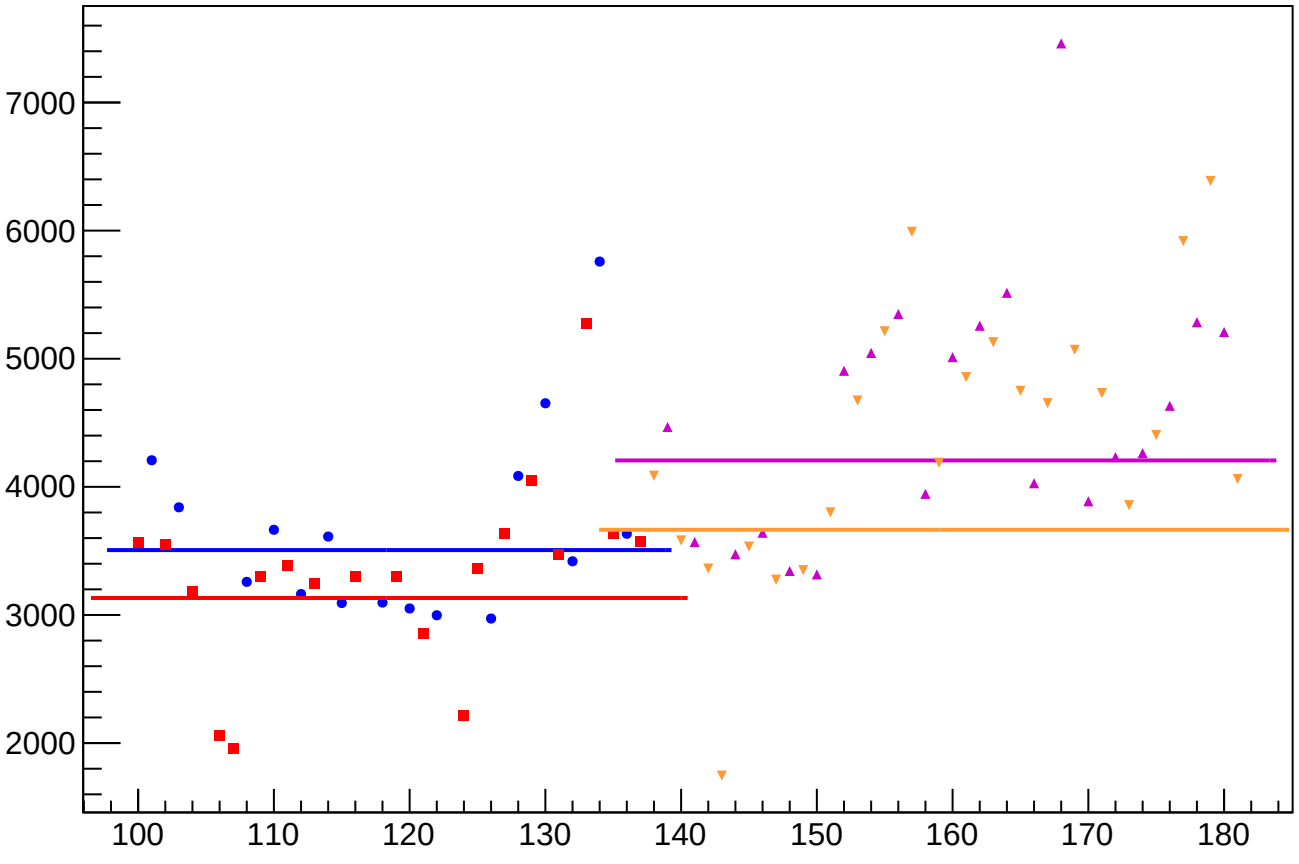
Left In: 1261.174+/-0.215 χ^2/NDF:32411.2/20

+ sign 1276.406+/-0.180 χ^2/NDF: 696355.3/38

All: 1274.349+/-0.128 χ^2/NDF: 1064411.8/78

- sign 1272.234+/-0.182 χ^2/NDF: 367790.9/39


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: -84.671+/-909.481 χ²/NDF:27.7/22
Right Out: -283.963+/-1183.171 χ²/NDF: 18.6/18
Left In: 222.990+/-1035.185 χ²/NDF:13.2/20
+ sign 229.459+/-749.803 χ²/NDF: 42.1/38
All: 120.653+/-540.246 χ²/NDF: 74.1/78
- sign 3.183+/-779.086 χ²/NDF: 32.0/39



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3665.160+/-0.643 χ^2/NDF:3675073.2/22

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

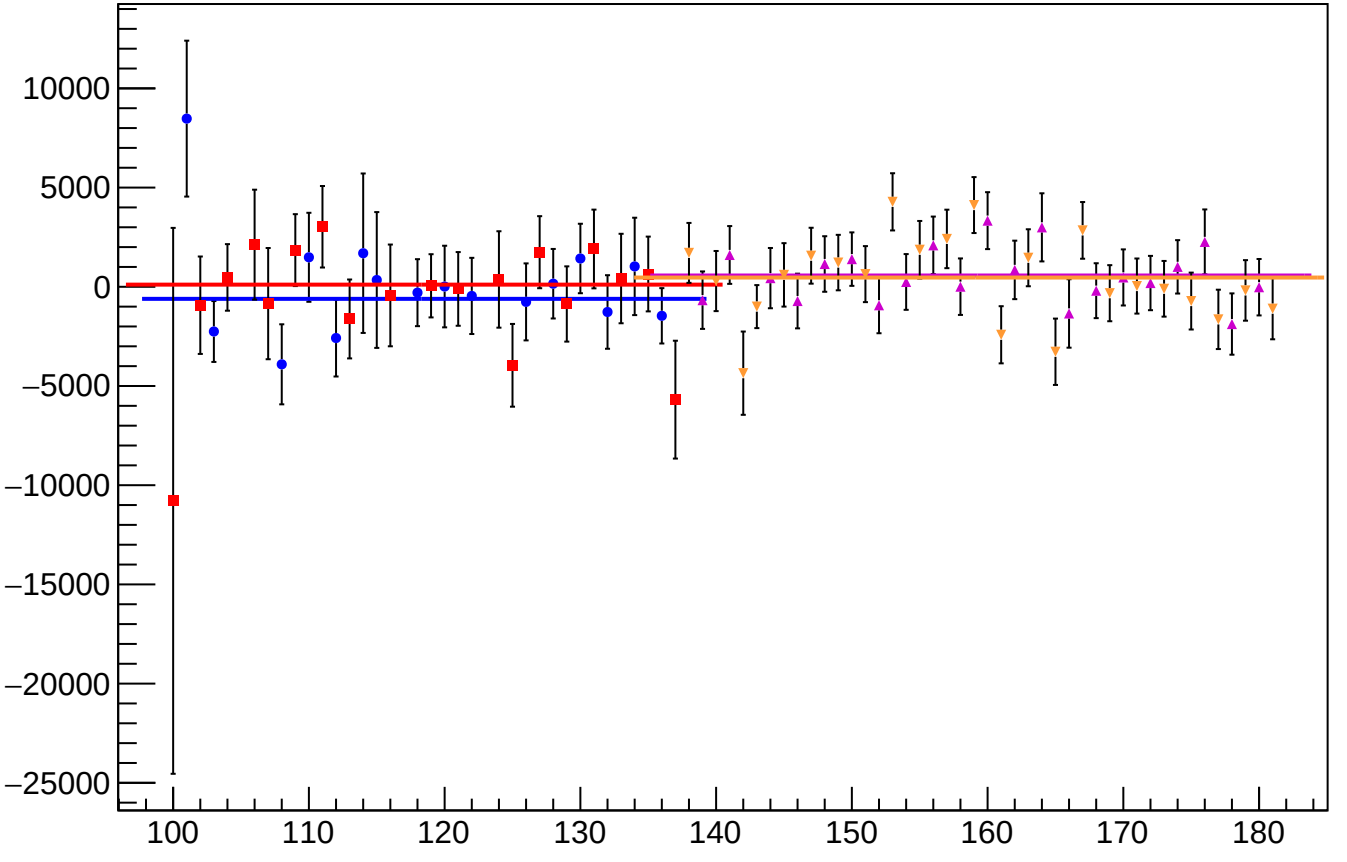
Left In: 4206.169+/-0.732 χ^2/NDF:1248621.9/20

+ sign 3614.334+/-0.530 χ^2/NDF: 4047811.4/38

All: 3675.087+/-0.382 χ^2/NDF: 6906046.0/78

- sign 3740.679+/-0.551 χ^2/NDF: 2830928.1/39

dit_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 465.770+/-302.813 χ^2/NDF:41.8/22

Right Out: 108.614+/-485.552 χ^2/NDF: 14.9/18

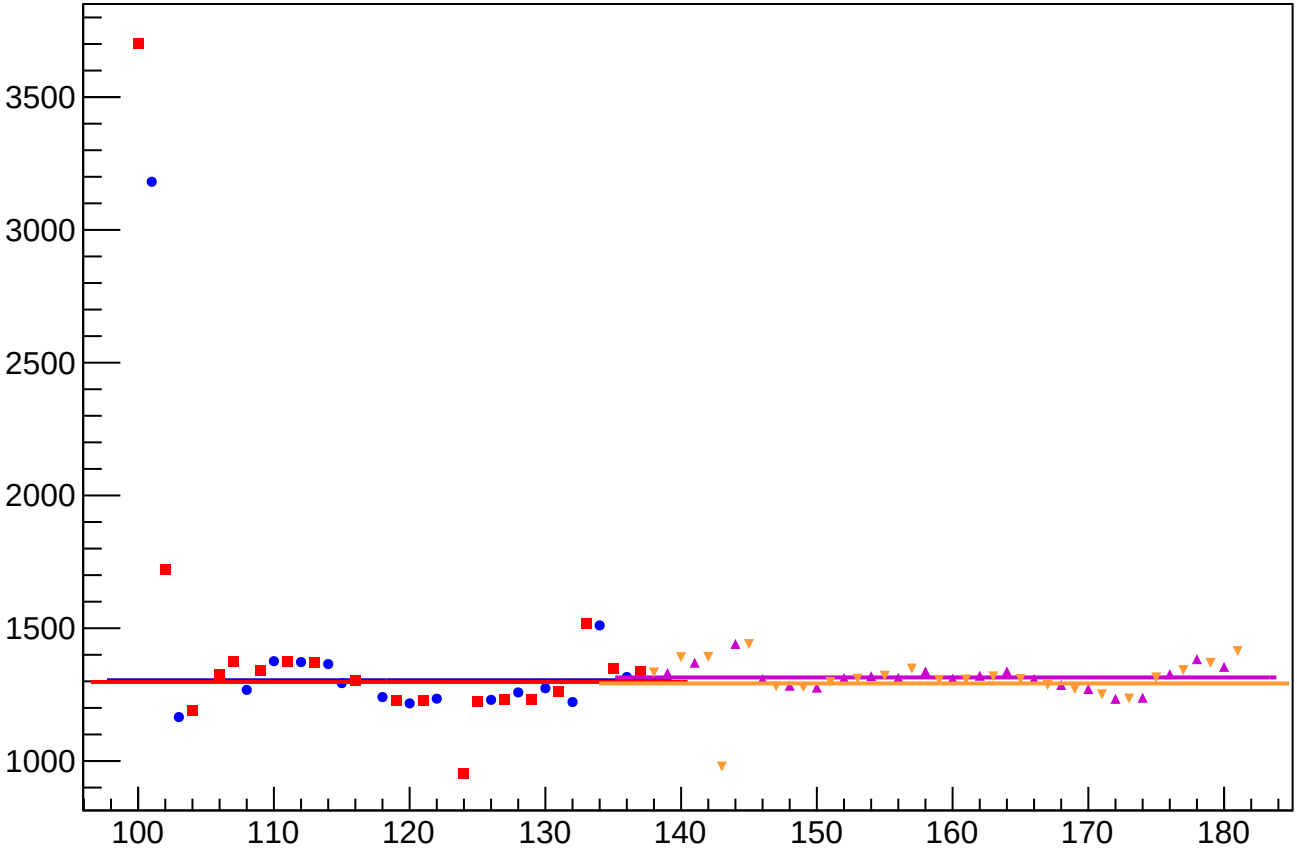
Left In: 568.638+/-316.767 χ^2/NDF:16.3/20

+ sign 172.702+/-258.196 χ^2/NDF: 59.4/38

All: 298.492+/-185.033 χ^2/NDF: 91.7/78

- sign 431.300+/-265.302 χ^2/NDF: 31.8/39

dit_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1292.099+/-0.214 χ^2/NDF:229751.7/22

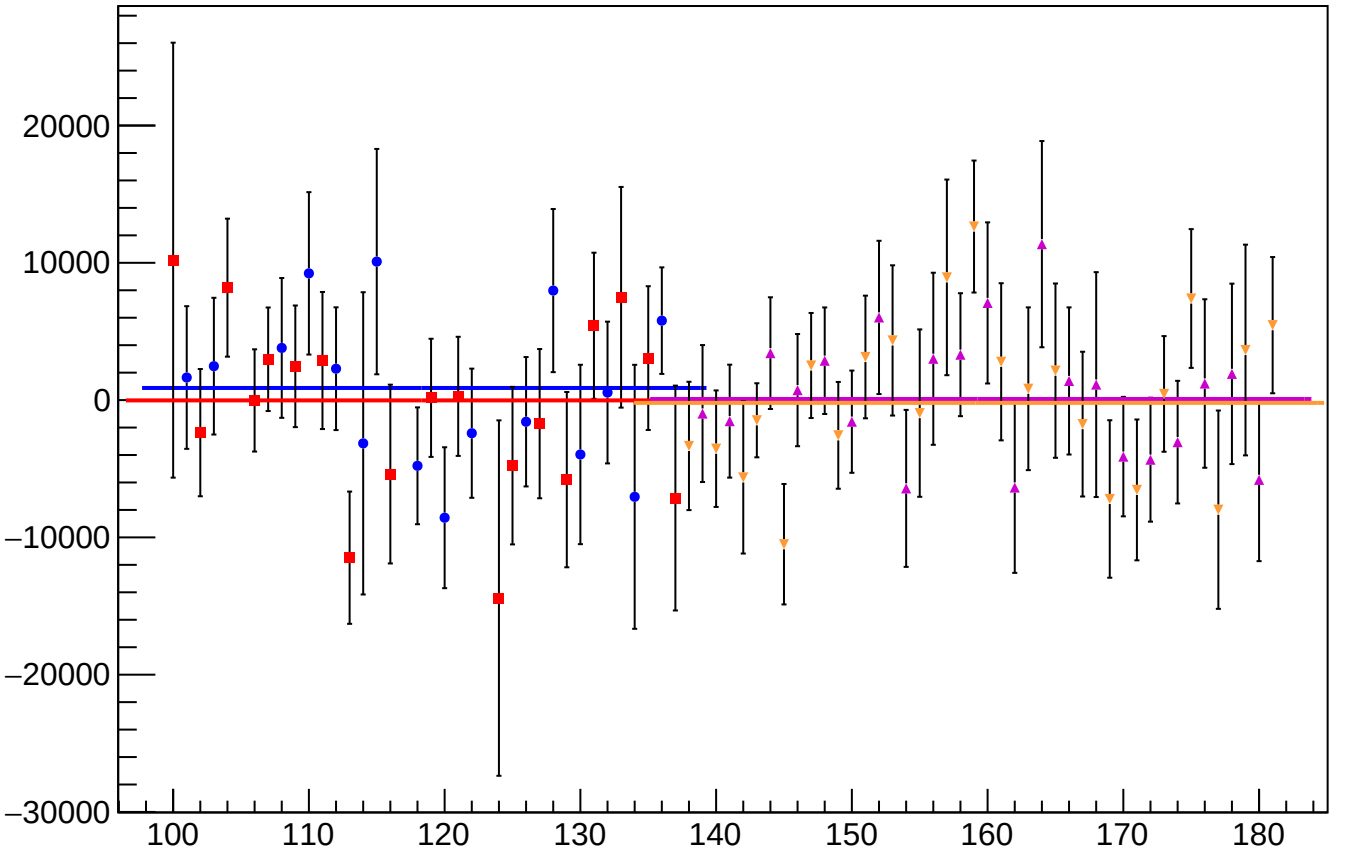
Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1314.719+/-0.224 χ^2/NDF:42300.5/20

+ sign 1295.376+/-0.183 χ^2/NDF: 741198.9/38

All: 1302.326+/-0.131 χ^2/NDF: 1001281.0/78

- sign 1309.661+/-0.188 χ^2/NDF: 257103.2/39



Right In: 884.058+/-1327.399 χ^2/NDF: 14.1/15

Left Out: -201.438+/-1004.291 χ^2/NDF:27.2/22

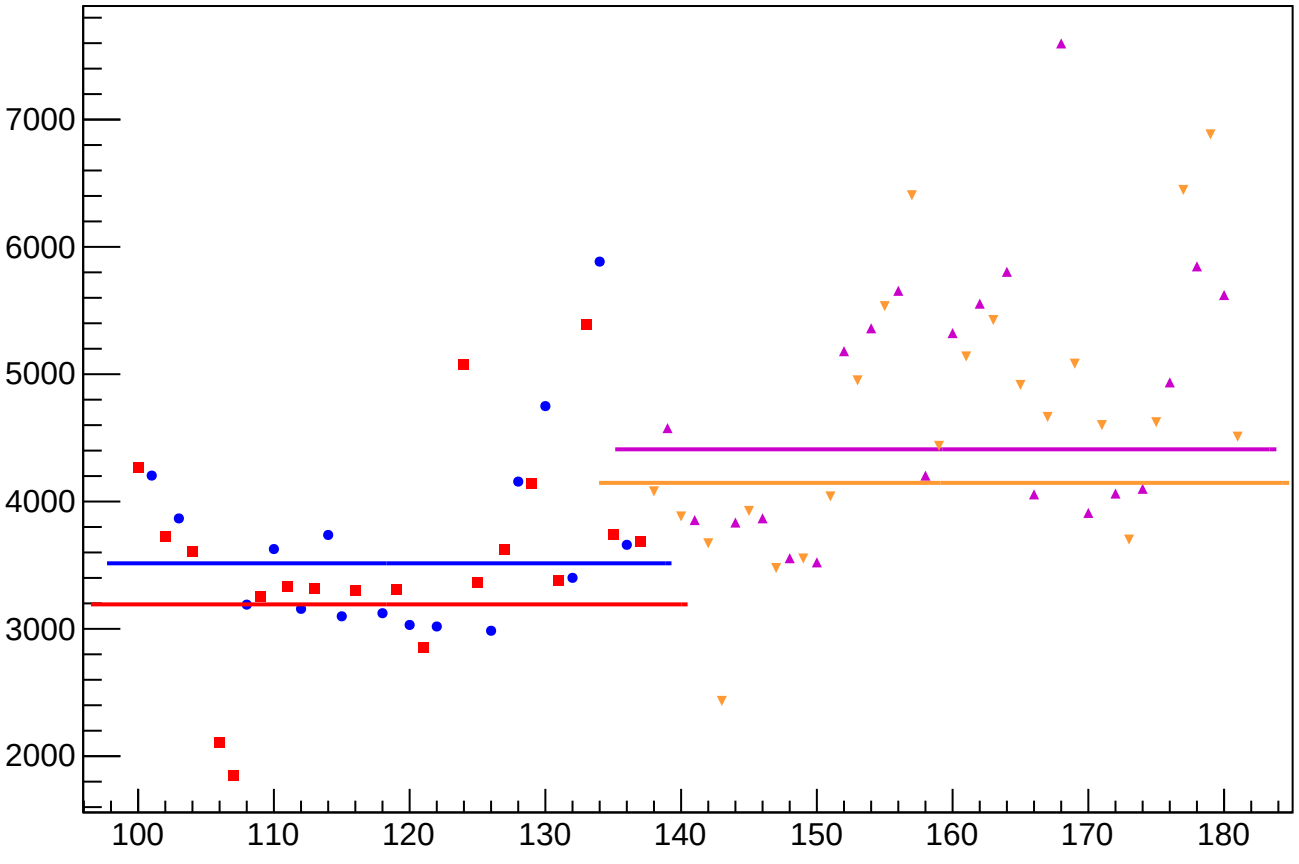
Right Out: -20.681+/-1200.015 χ^2/NDF: 16.8/18

Left In: 82.228+/-1085.423 χ^2/NDF:13.1/20

\+ sign 193.725+/-800.894 χ^2/NDF: 41.8/38

All: 115.224+/-567.757 χ^2/NDF: 71.7/78

\- sign 35.921+/-804.982 χ^2/NDF: 29.9/39



Right In: 3514.746+/-0.939 χ^2/NDF: 375078.6/15

Left Out: 4146.558+/-0.710 χ^2/NDF:2077011.7/22

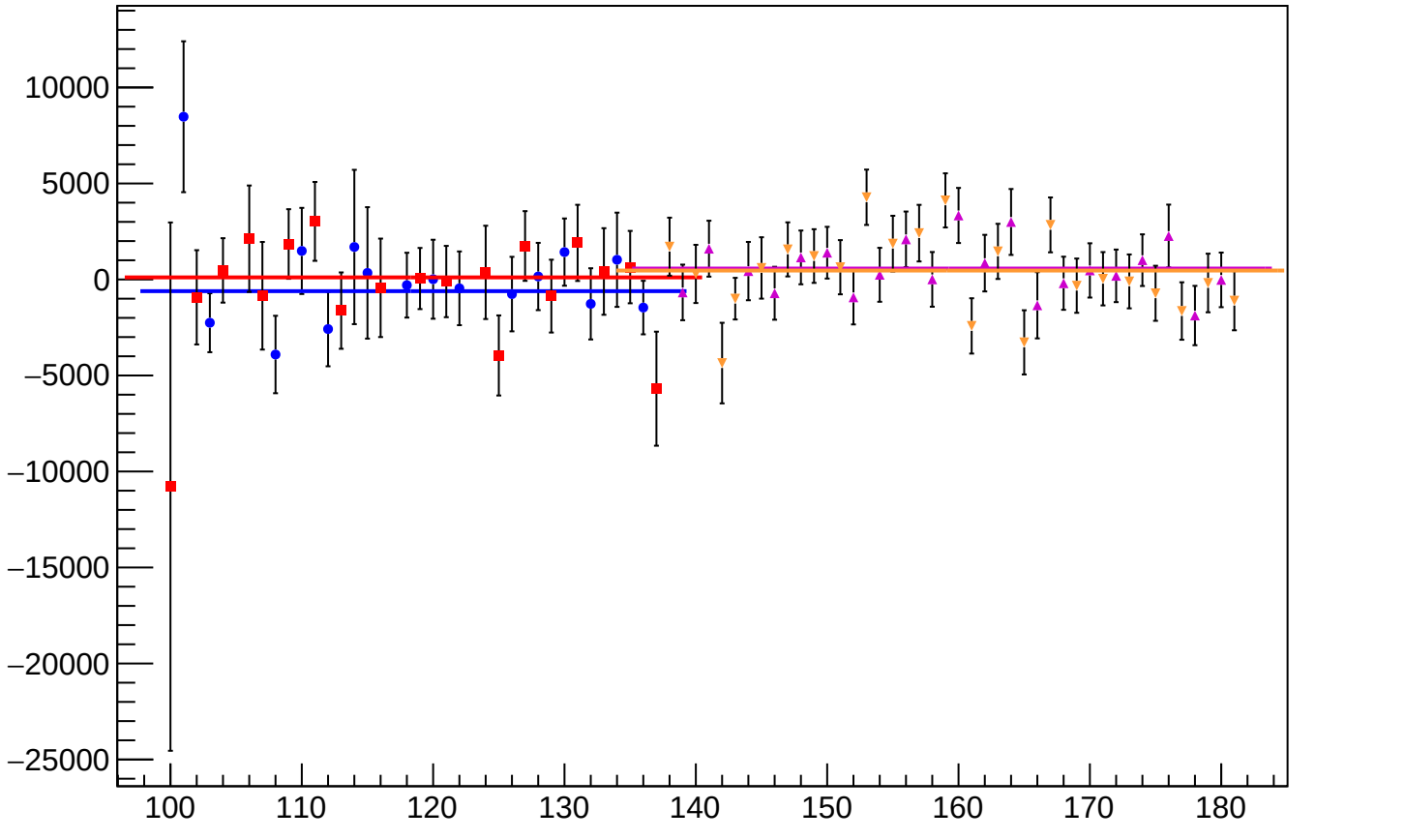
Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 4410.019+/-0.768 χ^2/NDF:1239942.6/20

\+ sign 3916.554+/-0.566 χ^2/NDF: 2740250.6/38

All: 3889.426+/-0.401 χ^2/NDF: 5890207.7/78

\- sign 3862.020+/-0.569 χ^2/NDF: 3145344.2/39



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 465.773+/-302.814 χ^2/NDF:41.8/22

Right Out: 108.619+/-485.553 χ^2/NDF: 14.9/18

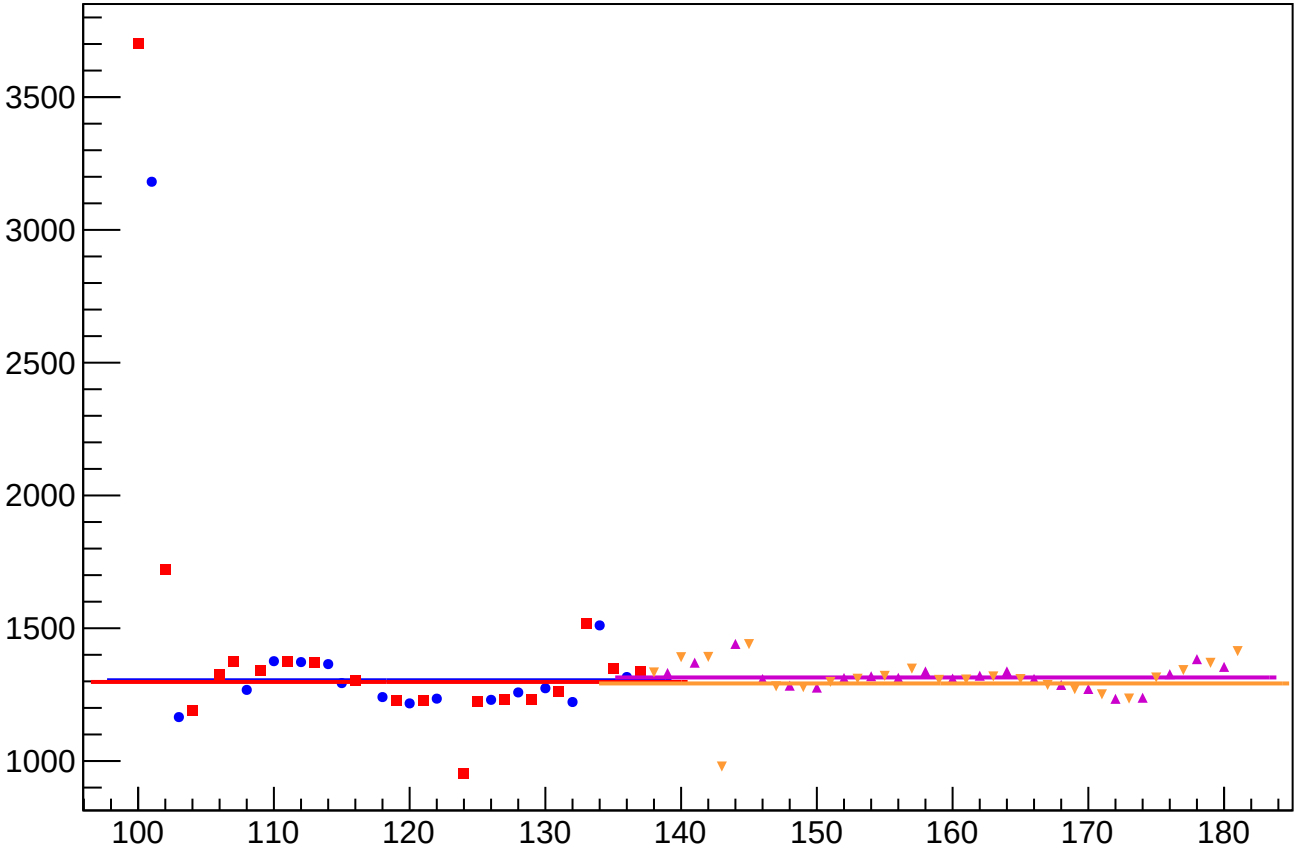
Left In: 568.639+/-316.768 χ^2/NDF:16.3/20

+ sign 172.703+/-258.196 χ^2/NDF: 59.4/38

All: 298.493+/-185.033 χ^2/NDF: 91.7/78

- sign 431.302+/-265.302 χ^2/NDF: 31.8/39

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: 1292.100+/-0.214 χ^2/NDF:229754.2/22

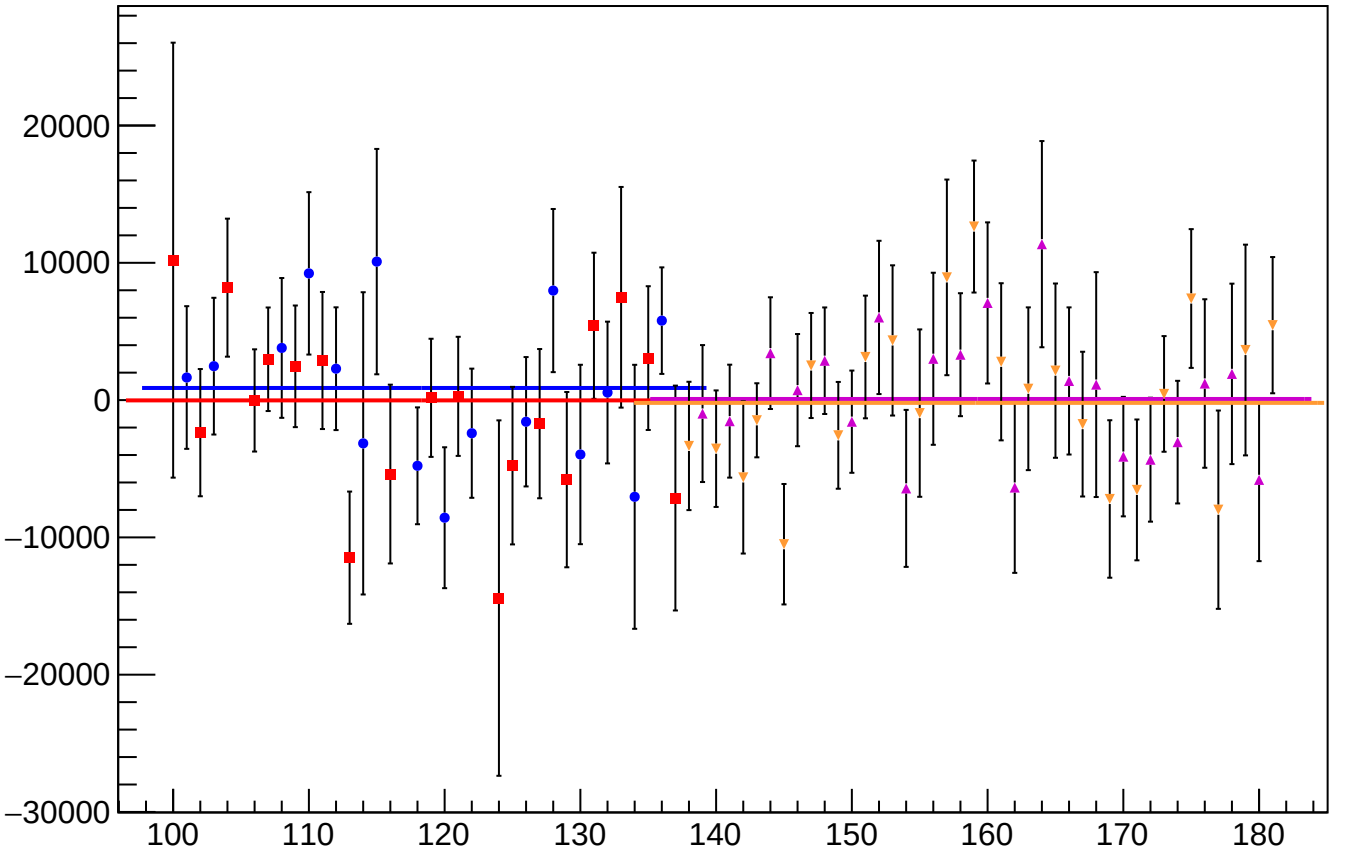
Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1314.720+/-0.224 χ^2/NDF:42302.6/20

+ sign 1295.377+/-0.183 χ^2/NDF: 741201.4/38

All: 1302.327+/-0.131 χ^2/NDF: 1001286.0/78

- sign 1309.662+/-0.188 χ^2/NDF: 257105.7/39



Right In: 884.047+/-1327.396 χ^2/NDF: 14.1/15

Left Out: -201.435+/-1004.293 χ^2/NDF:27.2/22

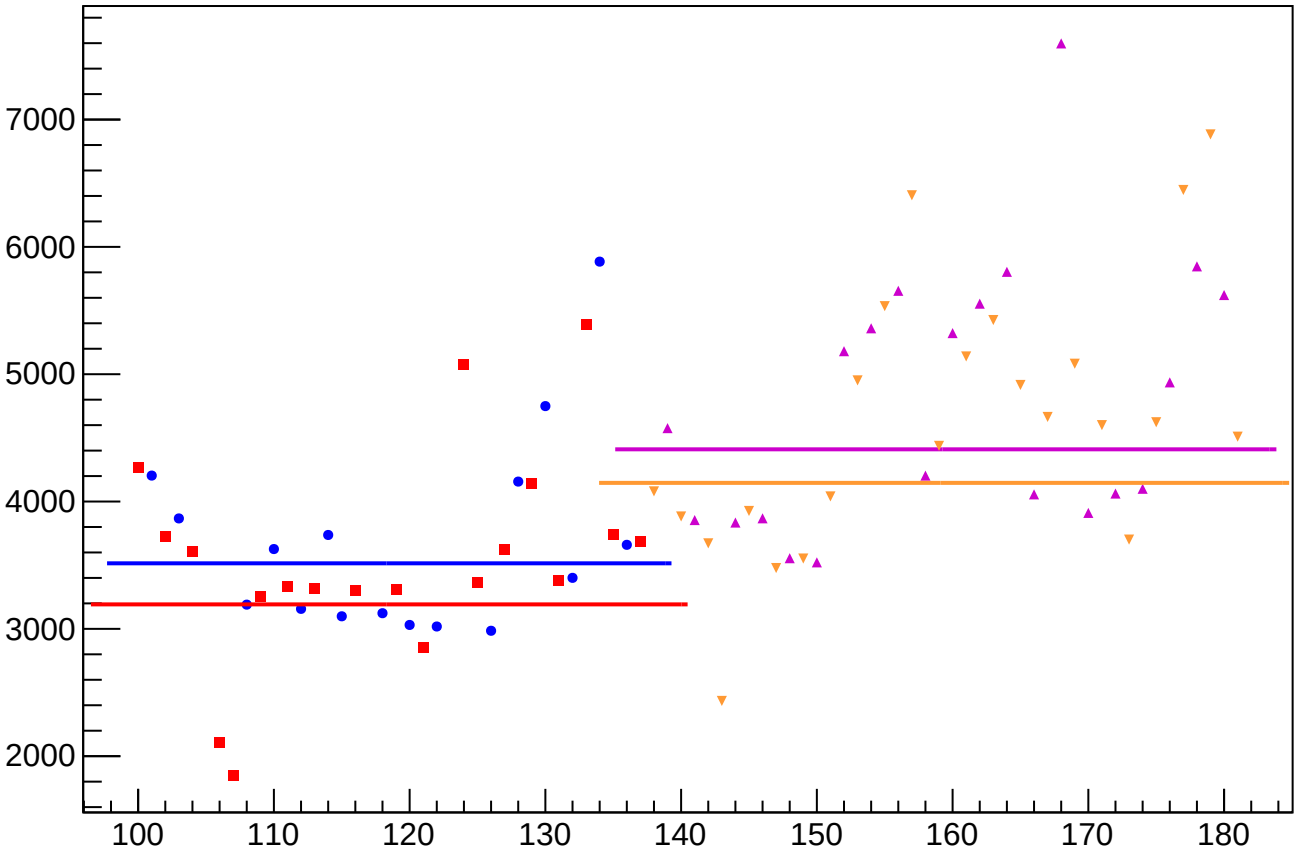
Right Out: -20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: 82.228+/-1085.424 χ^2/NDF:13.1/20

+ sign 193.724+/-800.894 χ^2/NDF: 41.8/38

All: 115.225+/-567.757 χ^2/NDF: 71.7/78

- sign 35.922+/-804.981 χ^2/NDF: 29.9/39



Right In: 3514.737+/-0.939 χ^2/NDF: 375082.8/15

Left Out: 4146.564+/-0.710 χ^2/NDF:2077014.6/22

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

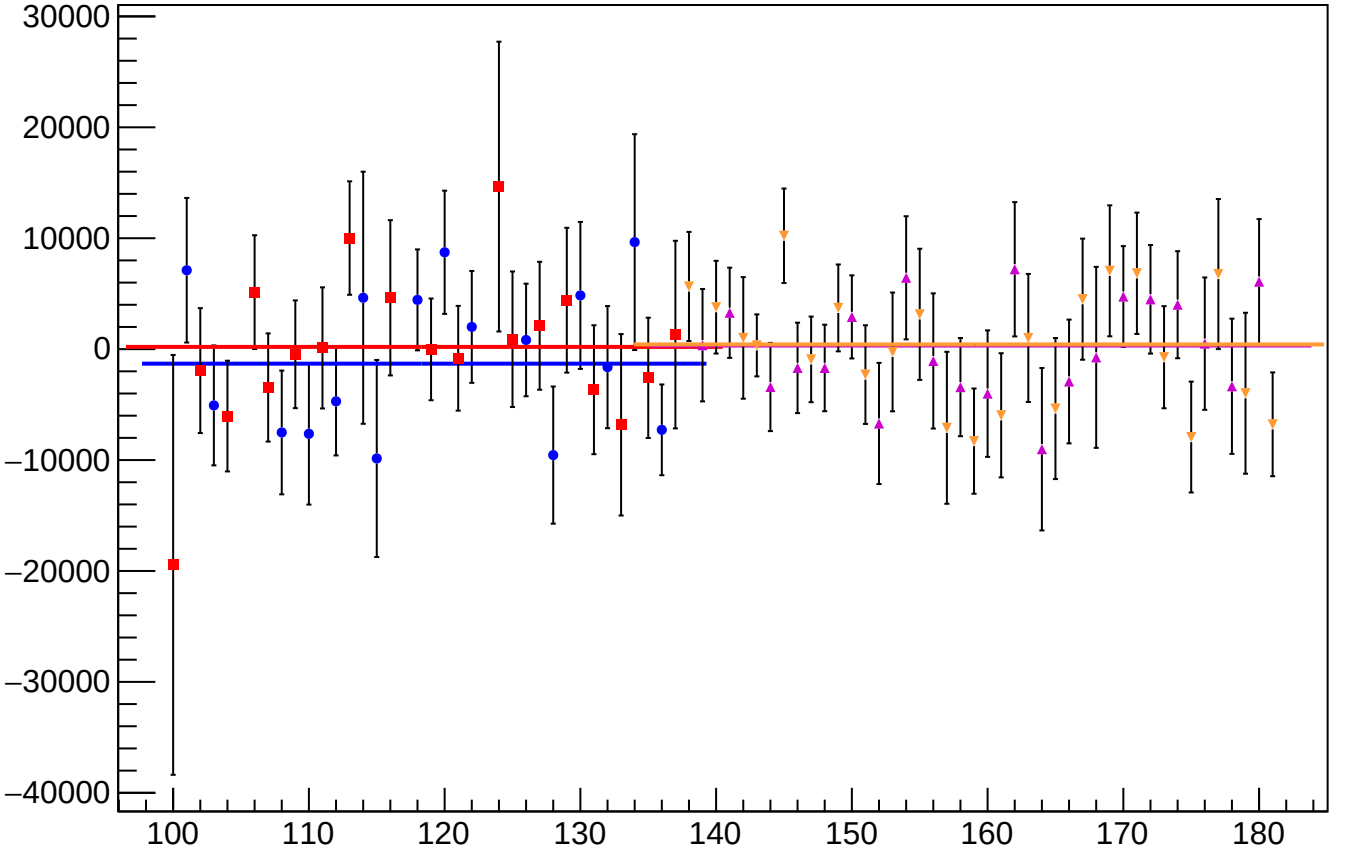
Left In: 4410.026+/-0.768 χ^2/NDF:1239946.7/20

\+ sign 3916.554+/-0.566 χ^2/NDF: 2740272.3/38

All: 3889.424+/-0.401 χ^2/NDF: 5890264.7/78

\- sign 3862.017+/-0.569 χ^2/NDF: 3145379.2/39

asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 425.460+/-1008.552 χ^2/NDF:24.9/22

Right Out: 201.593+/-1336.062 χ^2/NDF: 11.6/18

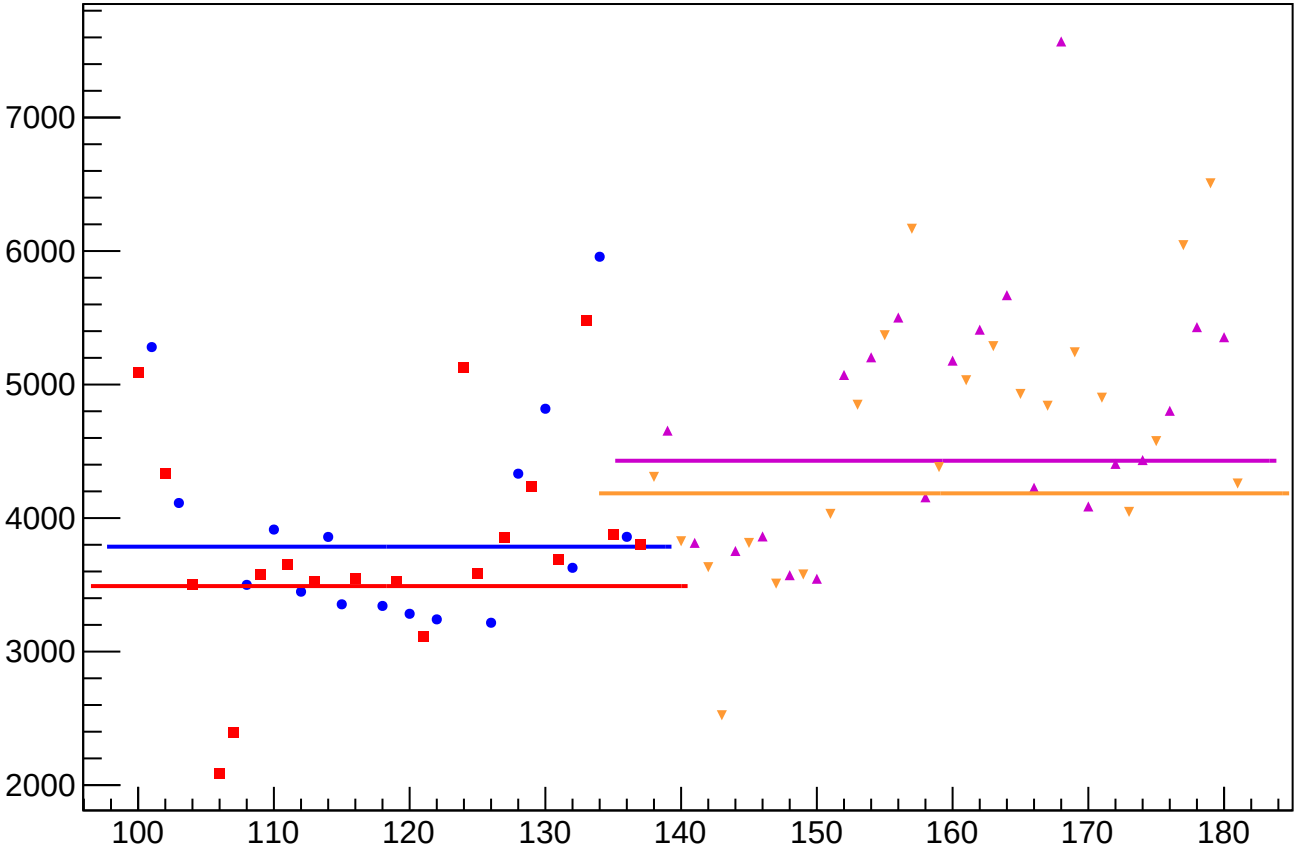
Left In: 324.975+/-1086.468 χ^2/NDF:13.5/20

+ sign -149.945+/-824.499 χ^2/NDF: 43.5/38

All: 58.250+/-589.420 χ^2/NDF: 68.8/78

- sign 275.862+/-842.940 χ^2/NDF: 25.2/39

asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 4185.197+/-0.713 χ^2/NDF:1796091.9/22

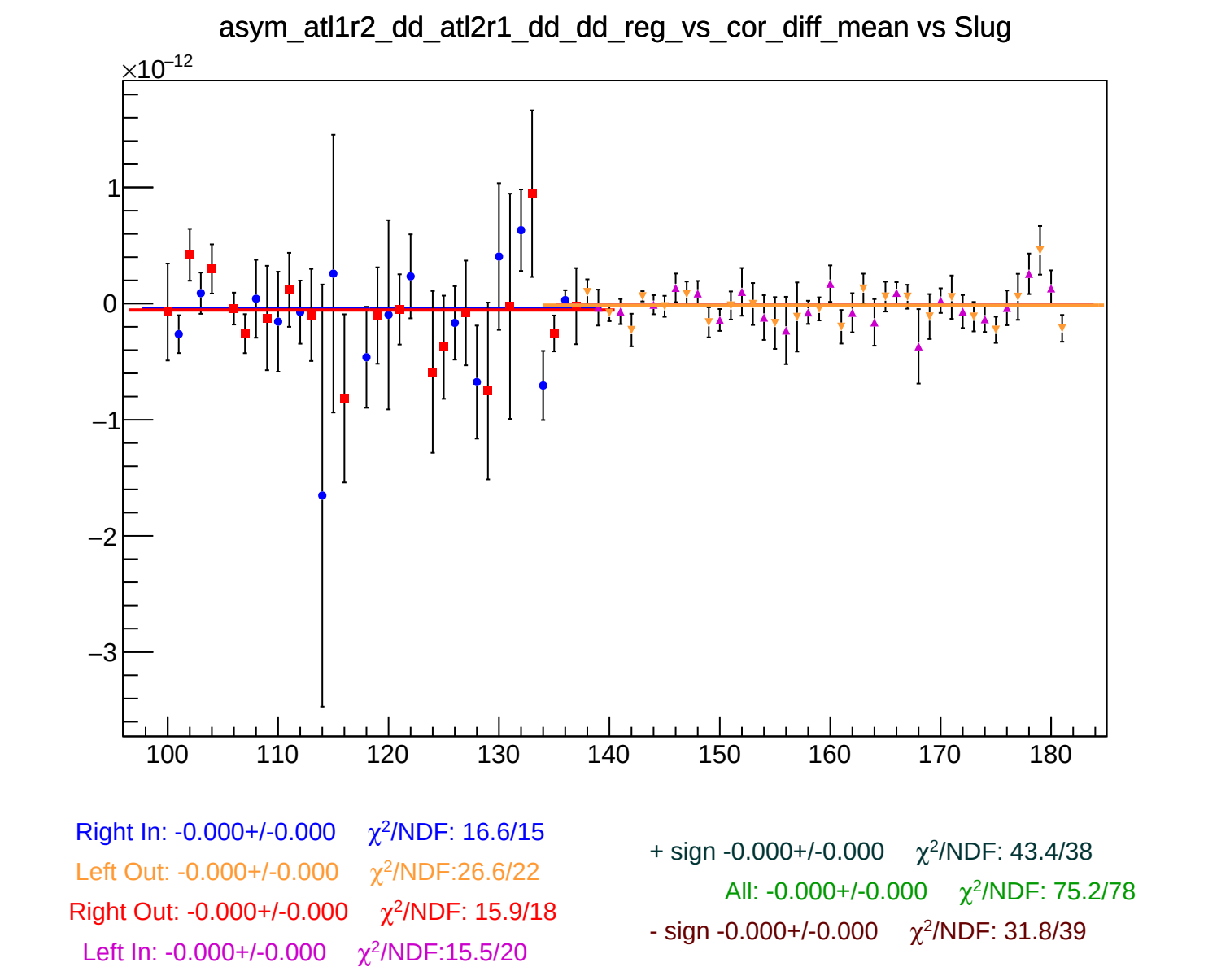
Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

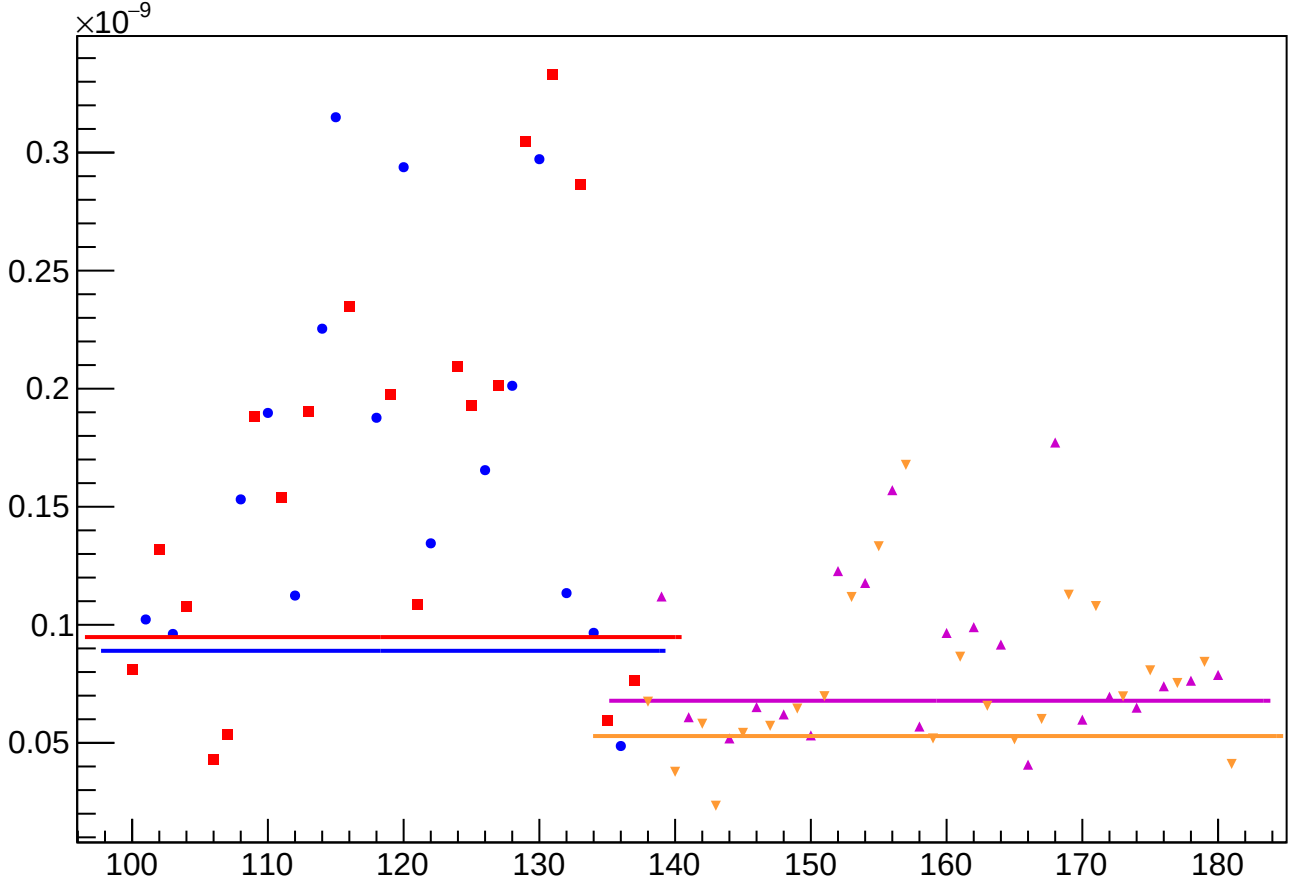
Left In: 4429.354+/-0.768 χ^2/NDF:1060790.8/20

\+ sign 4052.714+/-0.583 χ^2/NDF: 2283131.0/38

All: 4051.131+/-0.416 χ^2/NDF: 4534829.0/78

\- sign 4049.495+/-0.593 χ^2/NDF: 2251683.0/39


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:26.6/22
Right Out: -0.000+/-0.000 χ²/NDF: 15.9/18
Left In: -0.000+/-0.000 χ²/NDF:15.5/20
+ sign -0.000+/-0.000 χ²/NDF: 43.4/38
All: -0.000+/-0.000 χ²/NDF: 75.2/78
- sign -0.000+/-0.000 χ²/NDF: 31.8/39



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:2614098.3/22

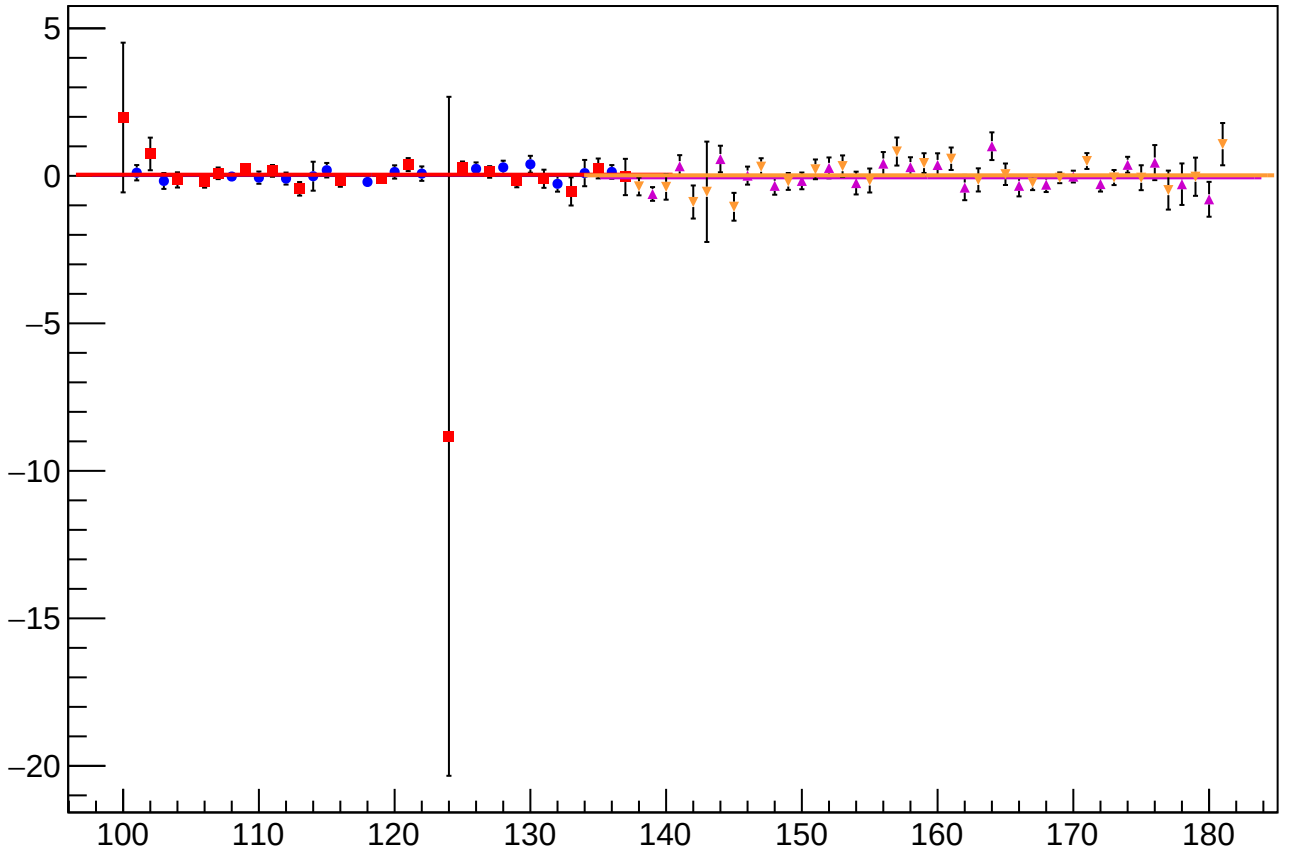
Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1395768.7/20

+ sign 0.000+/-0.000 χ^2/NDF: 4726755.4/38

All: 0.000+/-0.000 χ^2/NDF: 8541239.8/78

- sign 0.000+/-0.000 χ^2/NDF: 3428728.3/39



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.018+/-0.072 χ^2/NDF:27.0/22

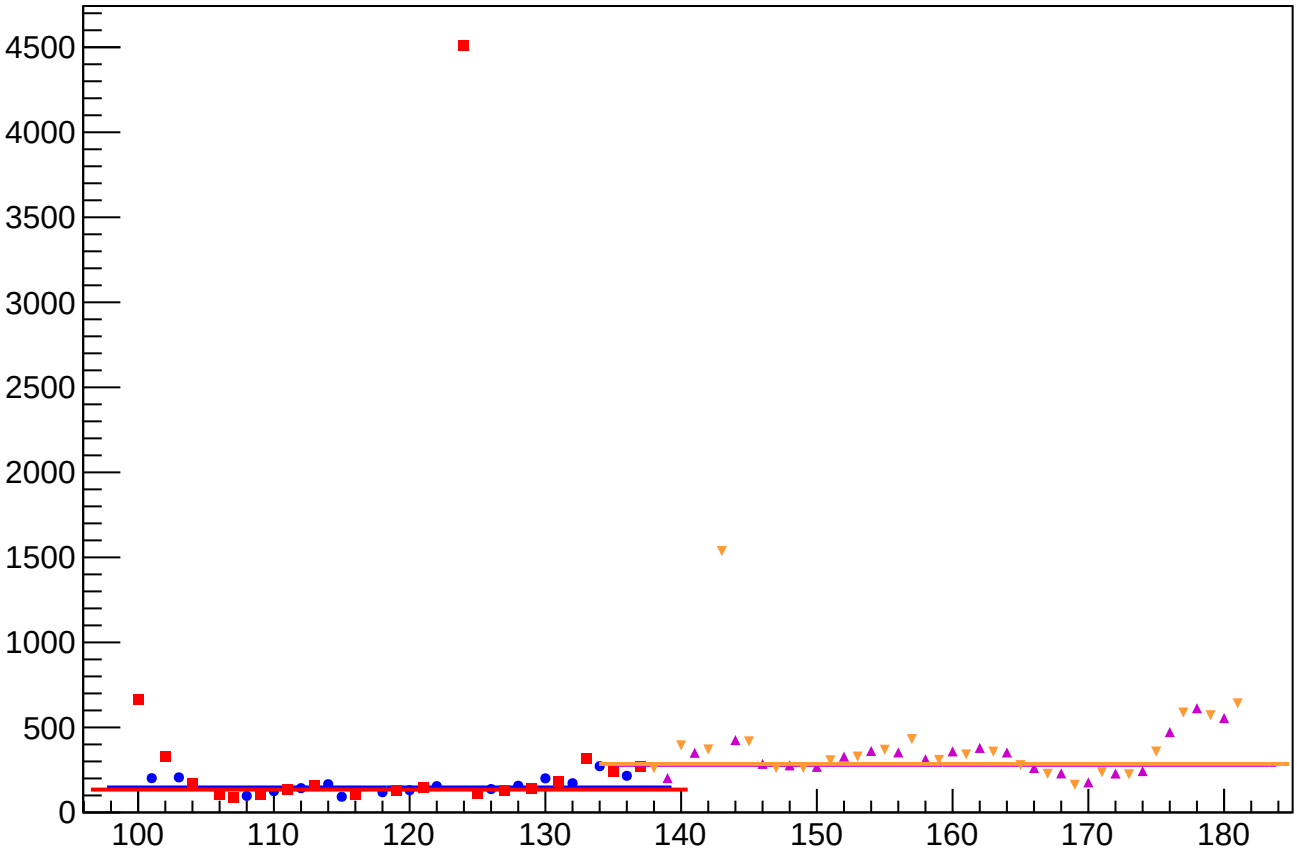
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.051+/-0.071 χ^2/NDF:27.6/20

+ sign 0.024+/-0.045 χ^2/NDF: 36.5/38

All: 0.015+/-0.031 χ^2/NDF: 85.1/78

- sign 0.006+/-0.043 χ^2/NDF: 48.6/39



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 285.190+/-0.051 χ^2/NDF:4442266.0/22

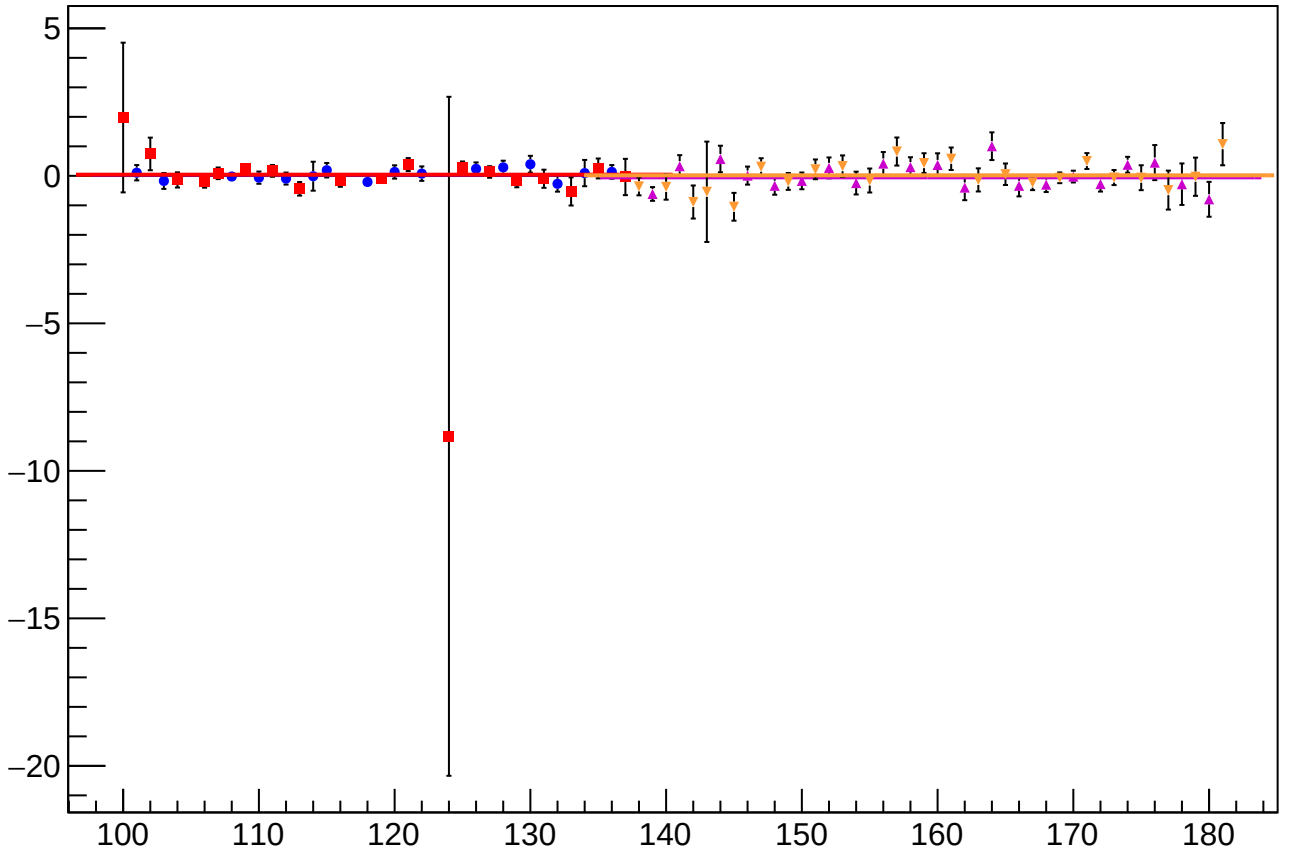
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 279.868+/-0.050 χ^2/NDF:2781571.7/20

+ sign 200.822+/-0.032 χ^2/NDF: 9928333.1/38

All: 194.399+/-0.022 χ^2/NDF: 19619100.6/78

- sign 188.428+/-0.031 χ^2/NDF: 9612358.2/39



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.018+/-0.072 χ^2/NDF:27.0/22

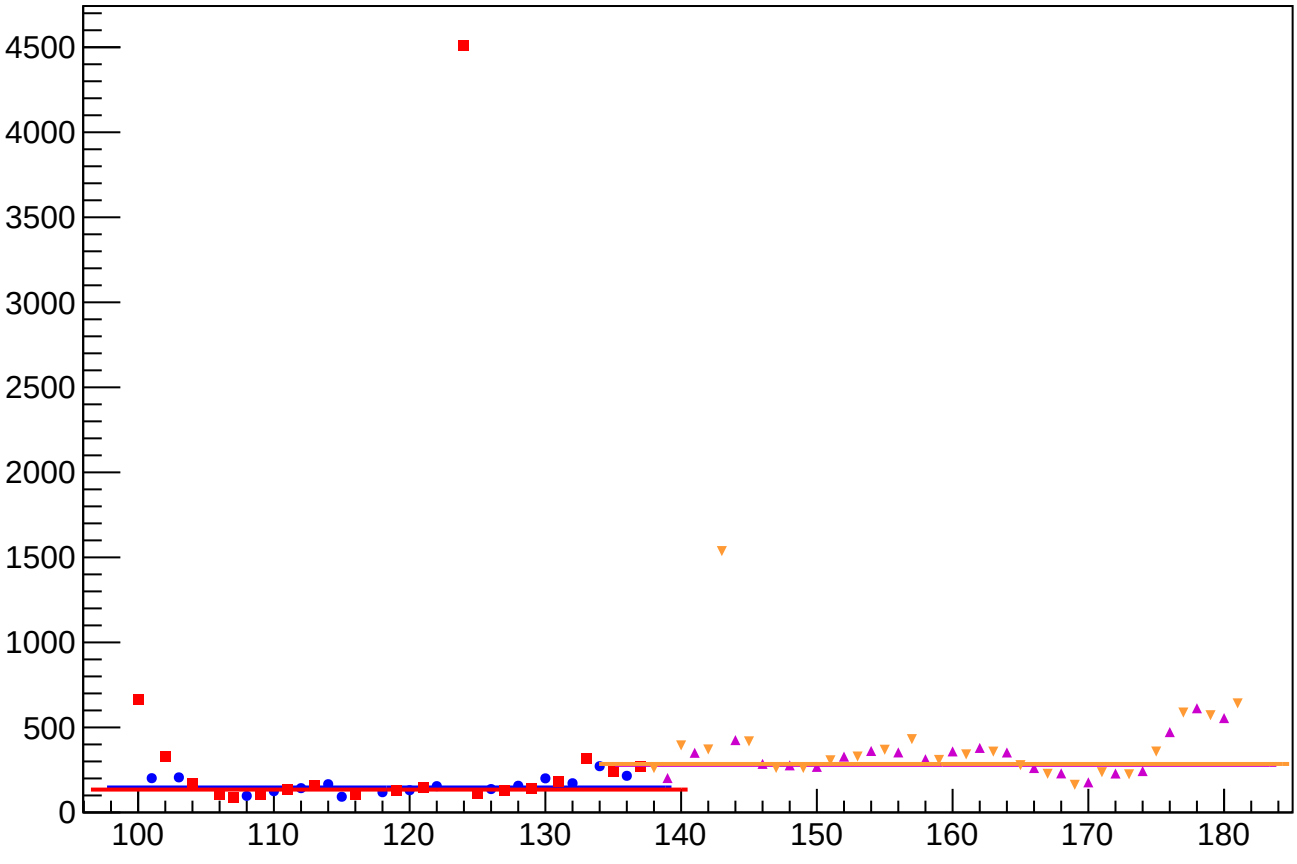
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.051+/-0.071 χ^2/NDF:27.6/20

+ sign 0.024+/-0.045 χ^2/NDF: 36.5/38

All: 0.015+/-0.031 χ^2/NDF: 85.1/78

- sign 0.006+/-0.043 χ^2/NDF: 48.6/39



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 285.190+/-0.051 χ^2/NDF:4442266.0/22

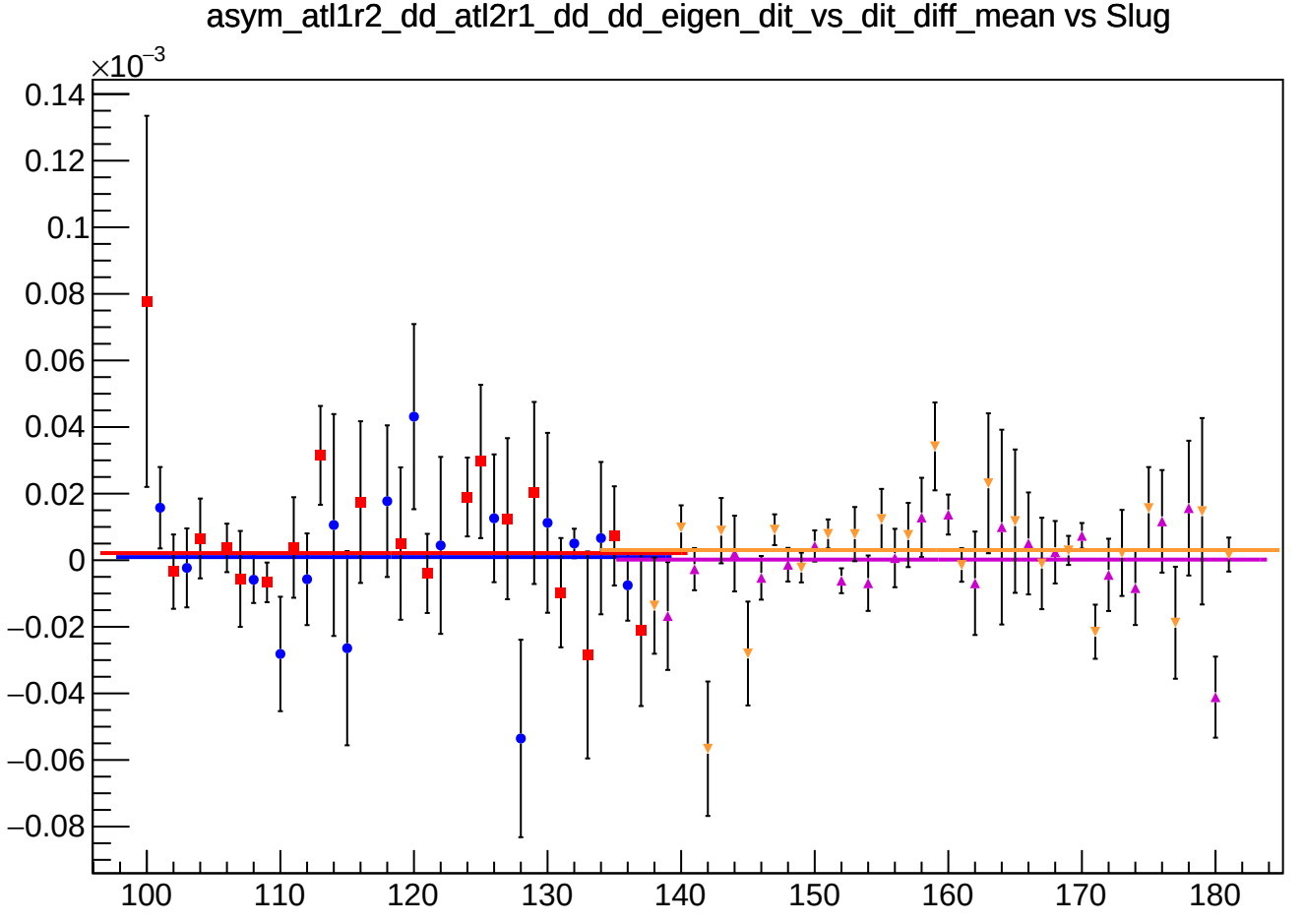
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 279.868+/-0.050 χ^2/NDF:2781571.7/20

+ sign 200.822+/-0.032 χ^2/NDF: 9928333.1/38

All: 194.399+/-0.022 χ^2/NDF: 19619100.6/78

- sign 188.428+/-0.031 χ^2/NDF: 9612358.2/39



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:41.0/22

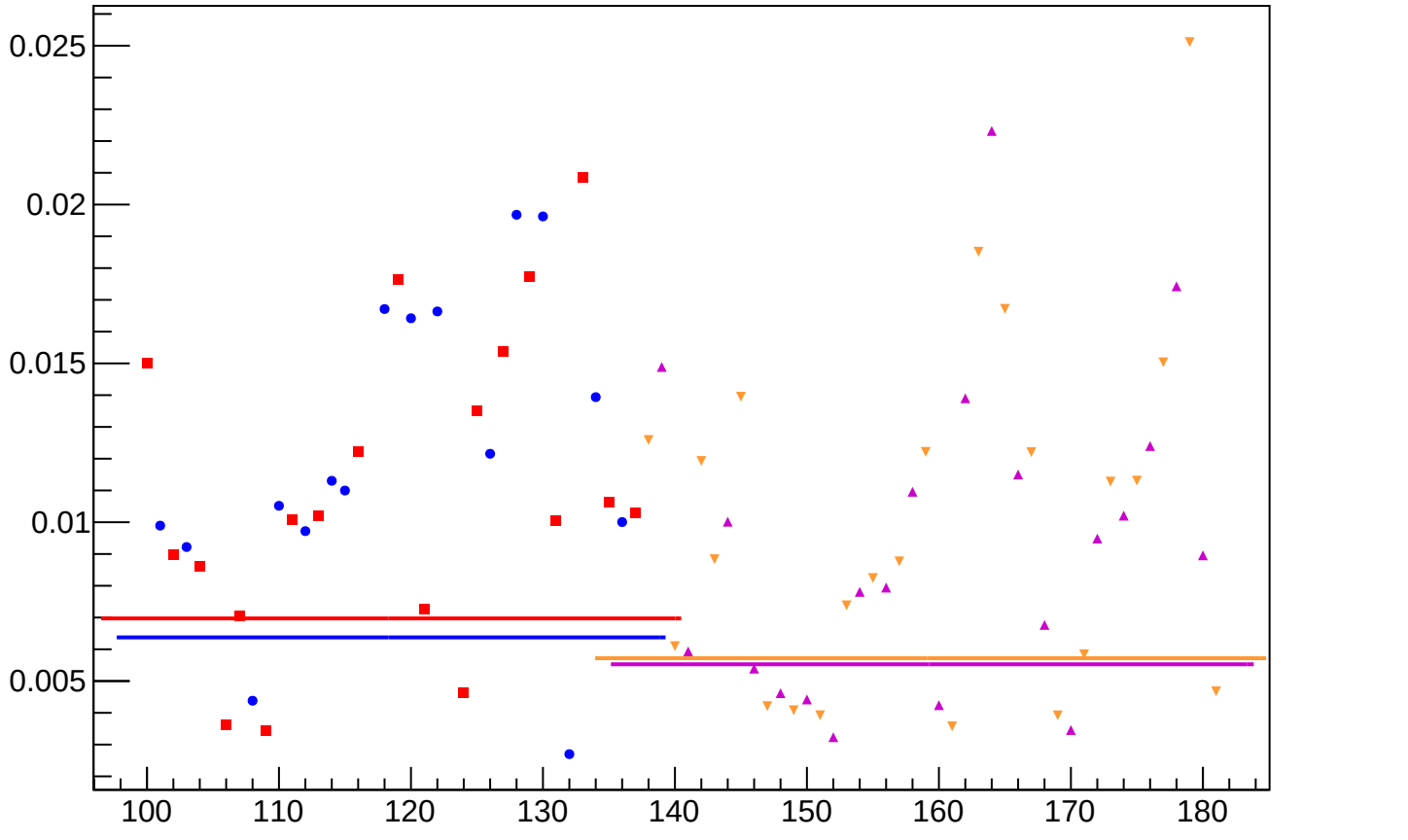
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: 0.000+/-0.000 χ^2/NDF:30.1/20

+ sign 0.000+/-0.000 χ^2/NDF: 56.2/38

All: 0.000+/-0.000 χ^2/NDF: 103.7/78

- sign 0.000+/-0.000 χ^2/NDF: 46.4/39



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.006+/-0.000 χ^2/NDF:7997784.9/22

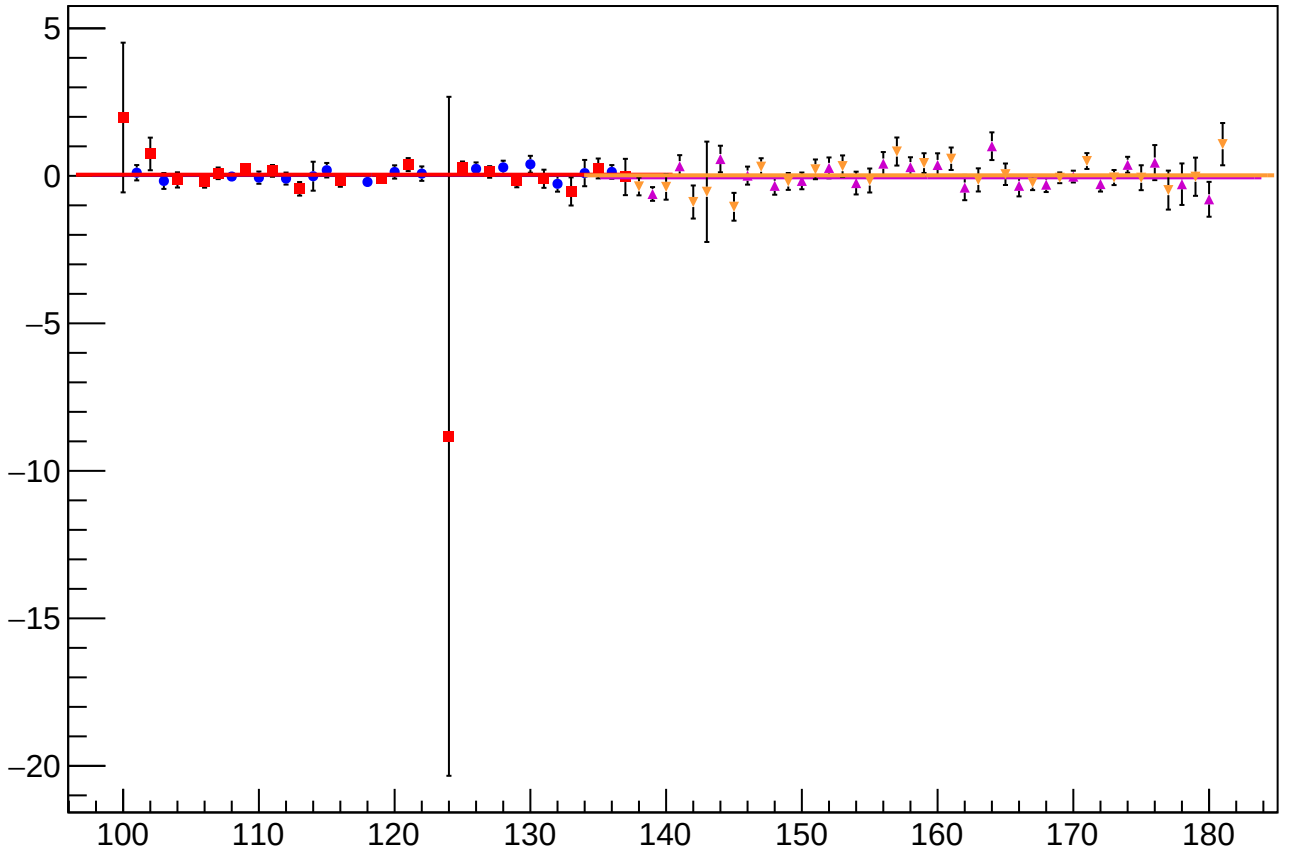
Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.006+/-0.000 χ^2/NDF:6756812.9/20

+ sign 0.006+/-0.000 χ^2/NDF: 12715665.1/38

All: 0.006+/-0.000 χ^2/NDF: 23242029.5/78

- sign 0.006+/-0.000 χ^2/NDF: 10526098.1/39



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.018+/-0.072 χ^2/NDF:27.0/22

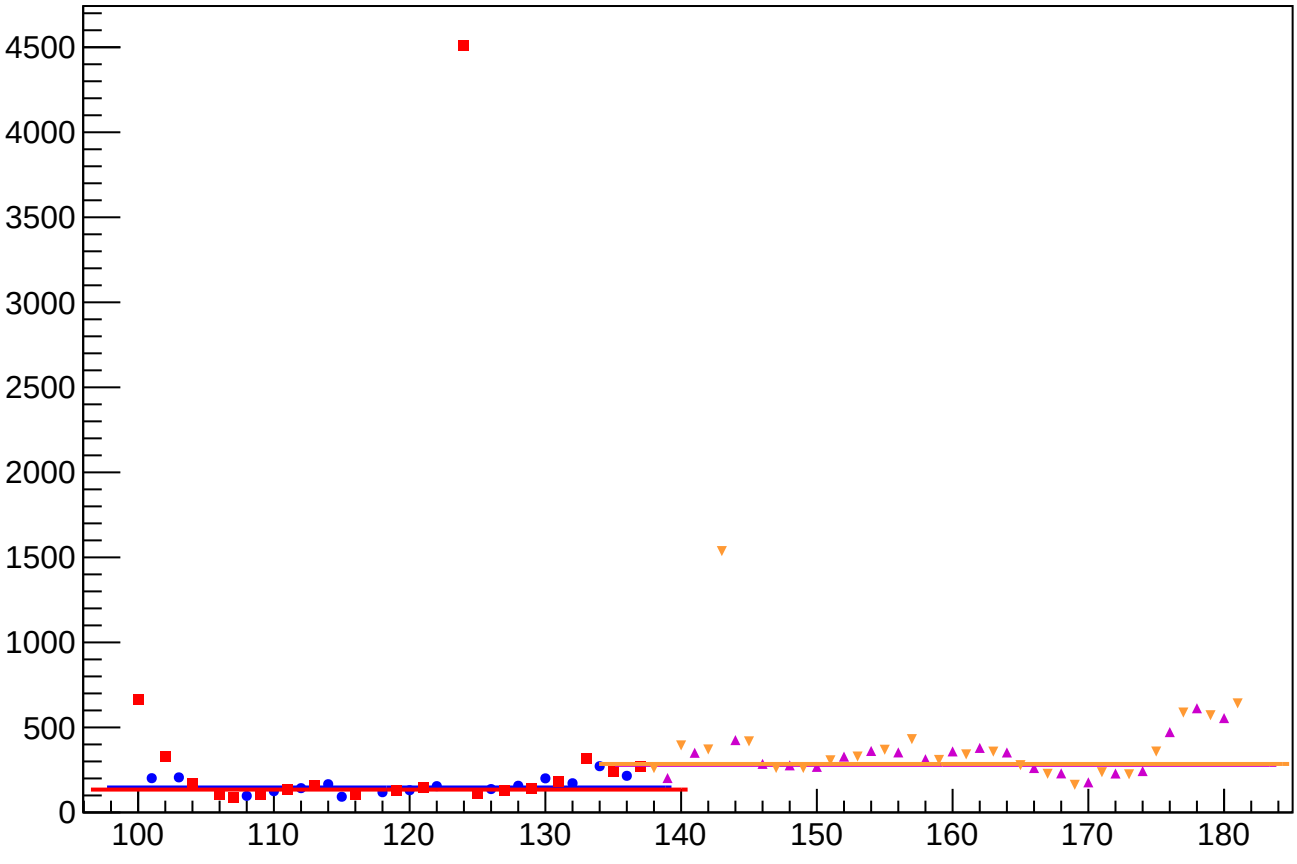
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.051+/-0.071 χ^2/NDF:27.6/20

+ sign 0.024+/-0.045 χ^2/NDF: 36.5/38

All: 0.015+/-0.031 χ^2/NDF: 85.2/78

- sign 0.006+/-0.043 χ^2/NDF: 48.6/39



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 285.190+/-0.051 χ^2/NDF:4442450.0/22

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

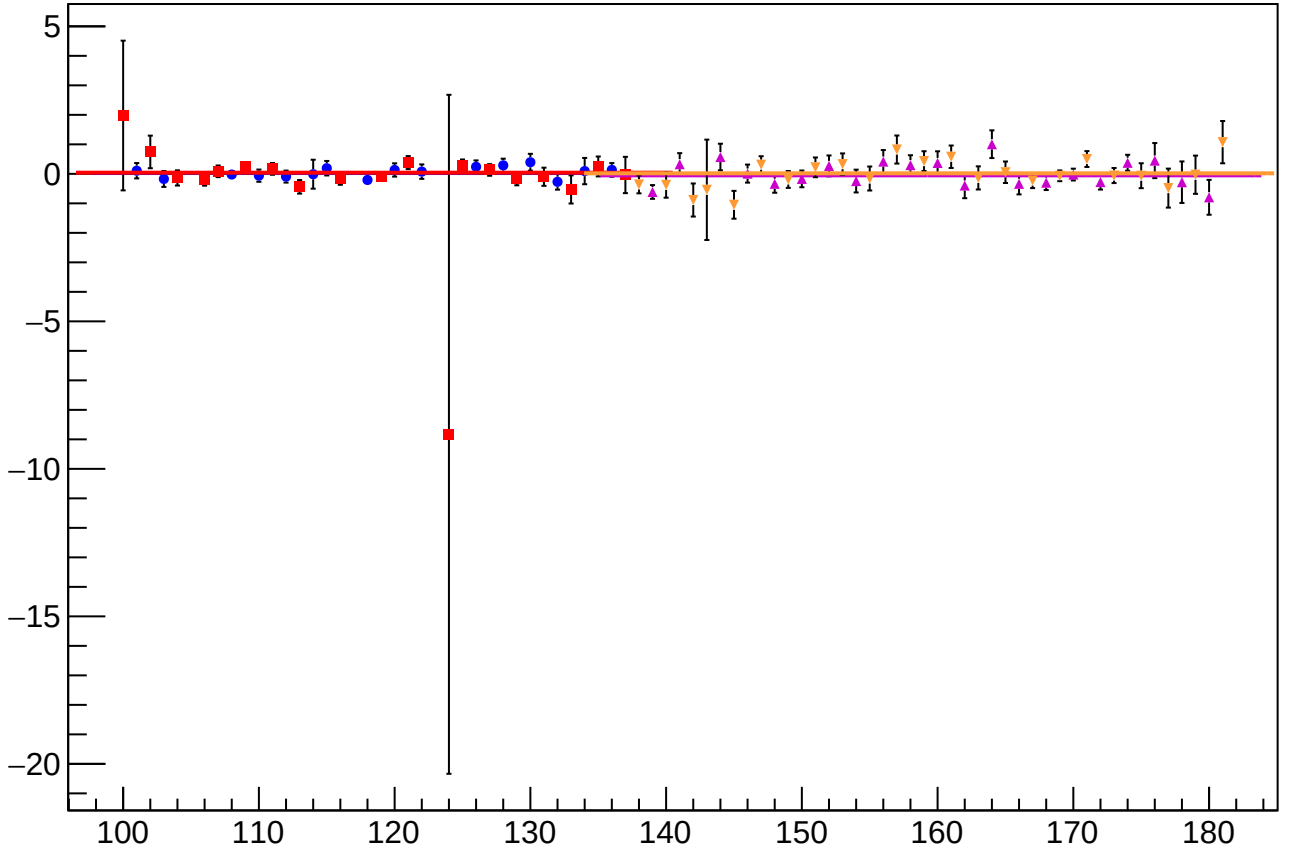
Left In: 279.870+/-0.050 χ^2/NDF:2781676.9/20

+ sign 200.821+/-0.032 χ^2/NDF: 9928457.6/38

All: 194.400+/-0.022 χ^2/NDF: 19619178.9/78

- sign 188.430+/-0.031 χ^2/NDF: 9612333.6/39

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: 0.018+/-0.072 χ^2/NDF:27.0/22

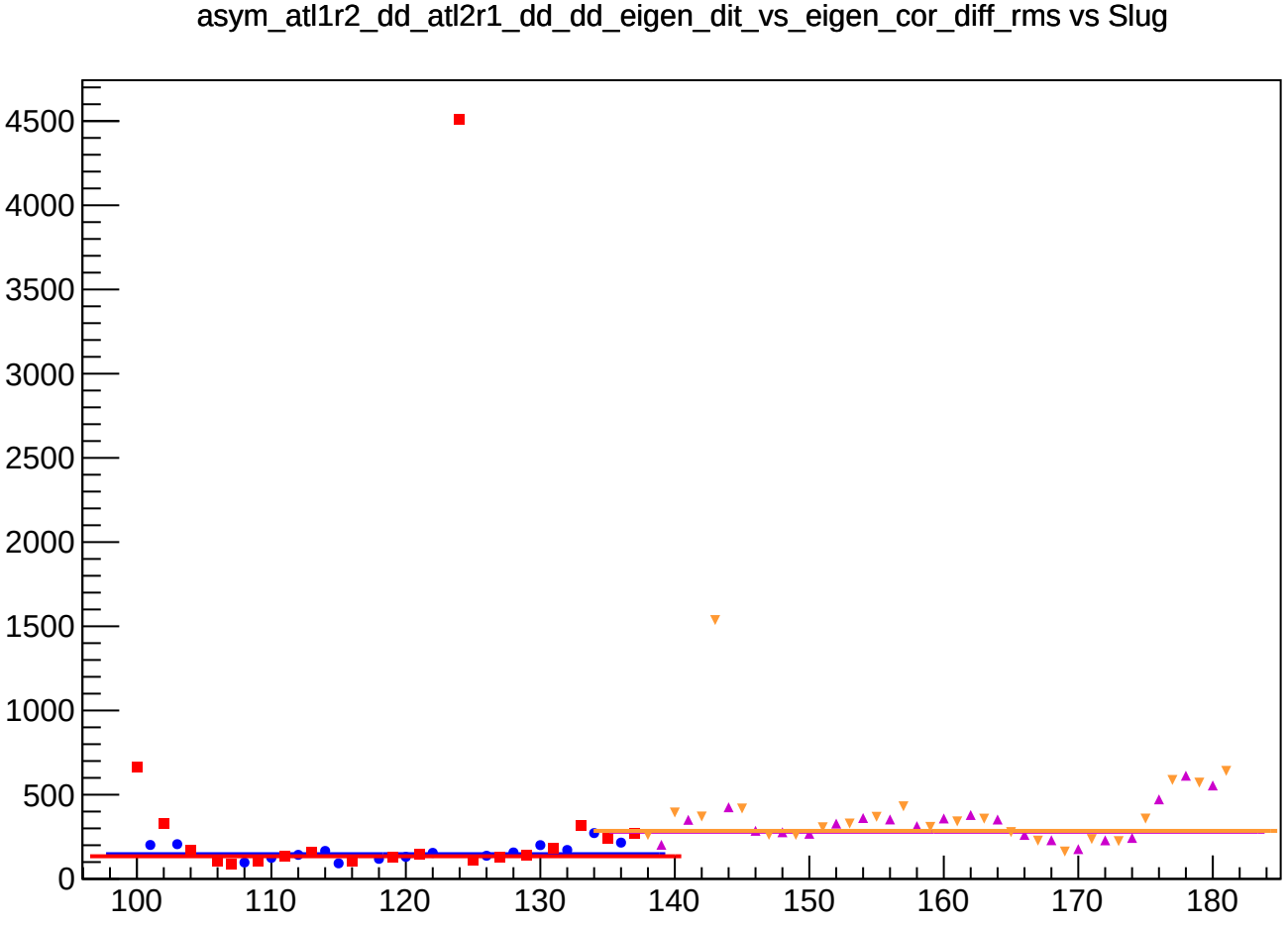
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.051+/-0.071 χ^2/NDF:27.6/20

+ sign 0.024+/-0.045 χ^2/NDF: 36.5/38

All: 0.015+/-0.031 χ^2/NDF: 85.2/78

- sign 0.006+/-0.043 χ^2/NDF: 48.6/39



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 285.190+/-0.051 χ^2/NDF:4442450.0/22

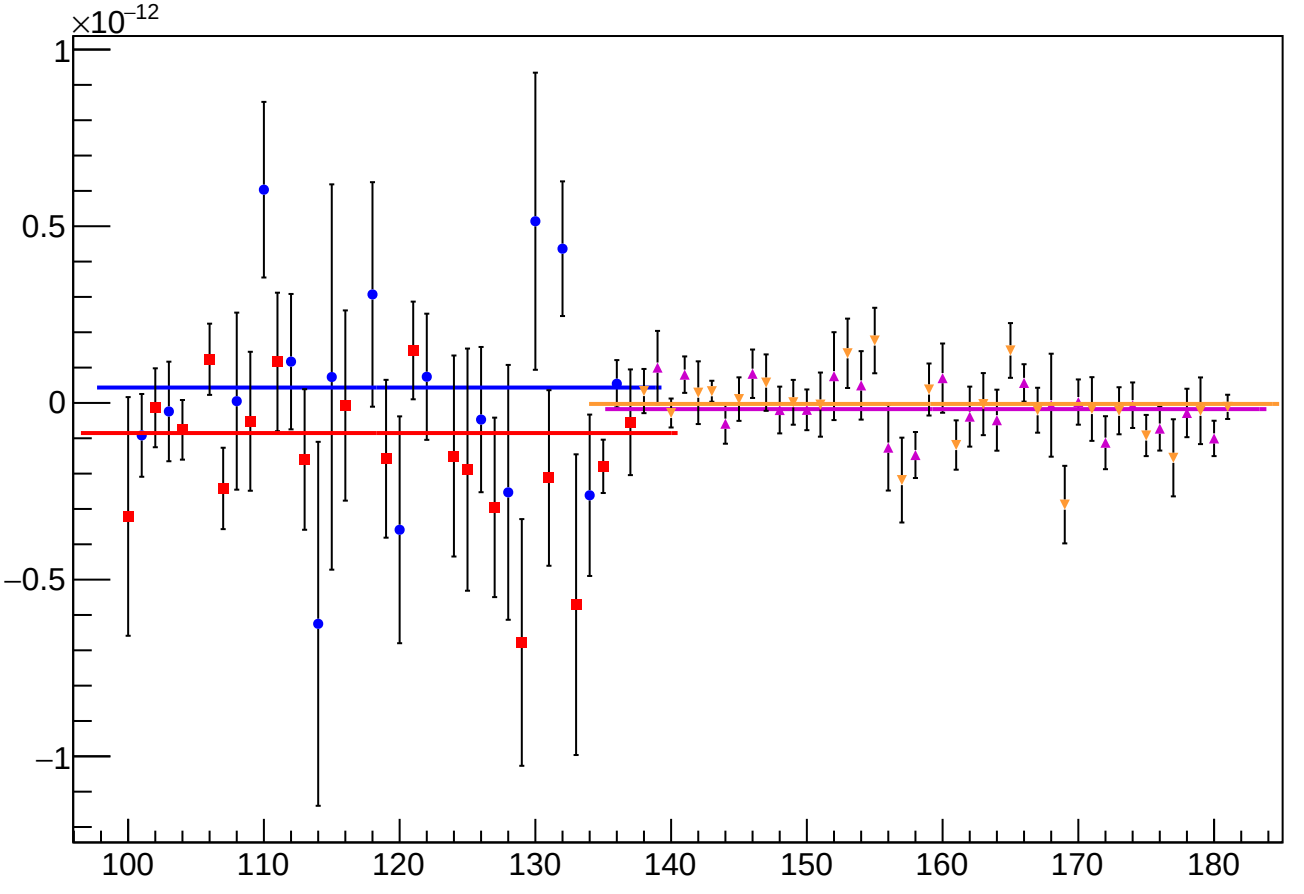
Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 279.870+/-0.050 χ^2/NDF:2781676.9/20

+ sign 200.821+/-0.032 χ^2/NDF: 9928457.6/38

All: 194.400+/-0.022 χ^2/NDF: 19619178.9/78

- sign 188.430+/-0.031 χ^2/NDF: 9612333.6/39



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:30.3/22

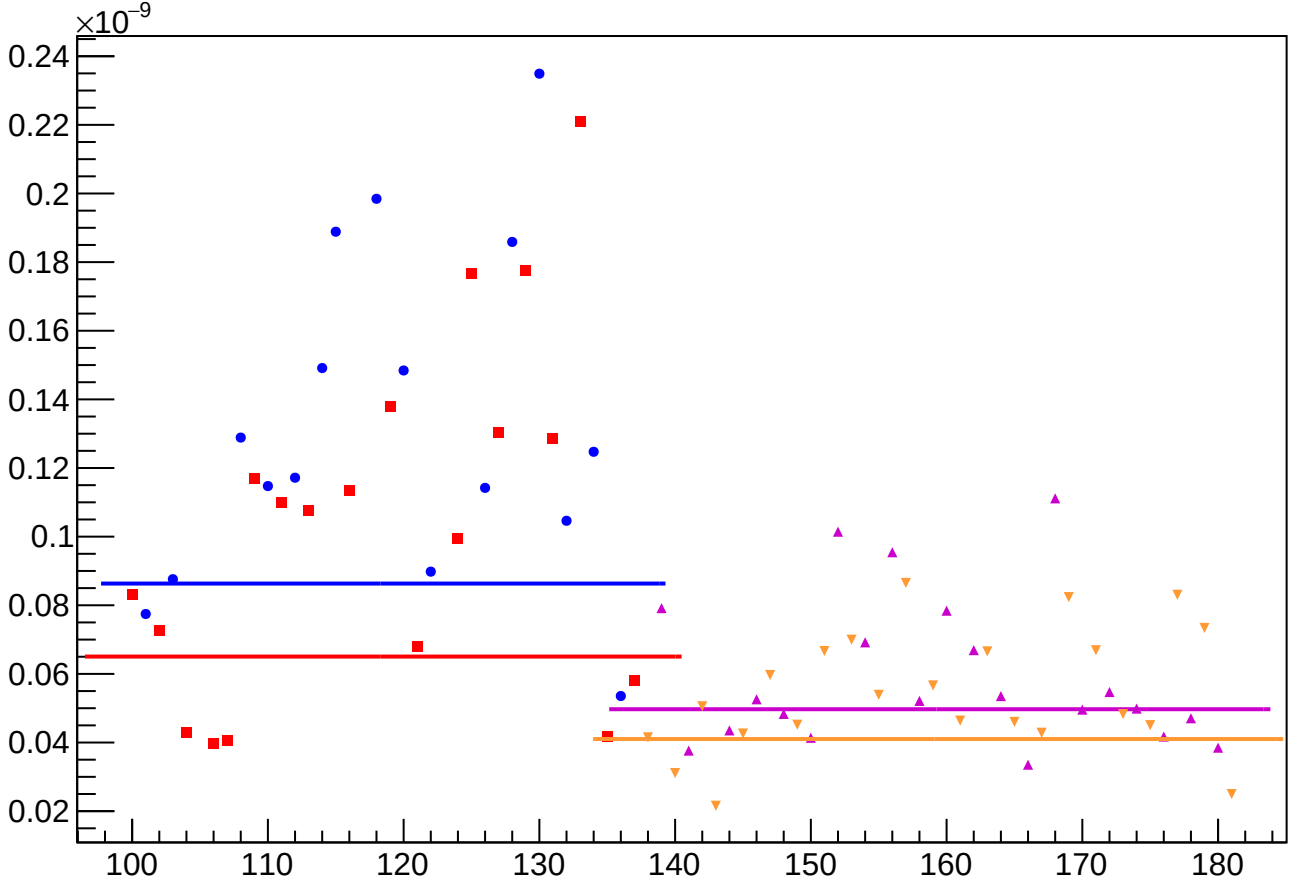
Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:21.6/20

+ sign 0.000+/-0.000 χ^2/NDF: 50.3/38

All: -0.000+/-0.000 χ^2/NDF: 96.0/78

- sign -0.000+/-0.000 χ^2/NDF: 43.1/39



Right In: 0.000+/-0.000 χ^2/NDF: 1565662.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:3512442.5/22

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

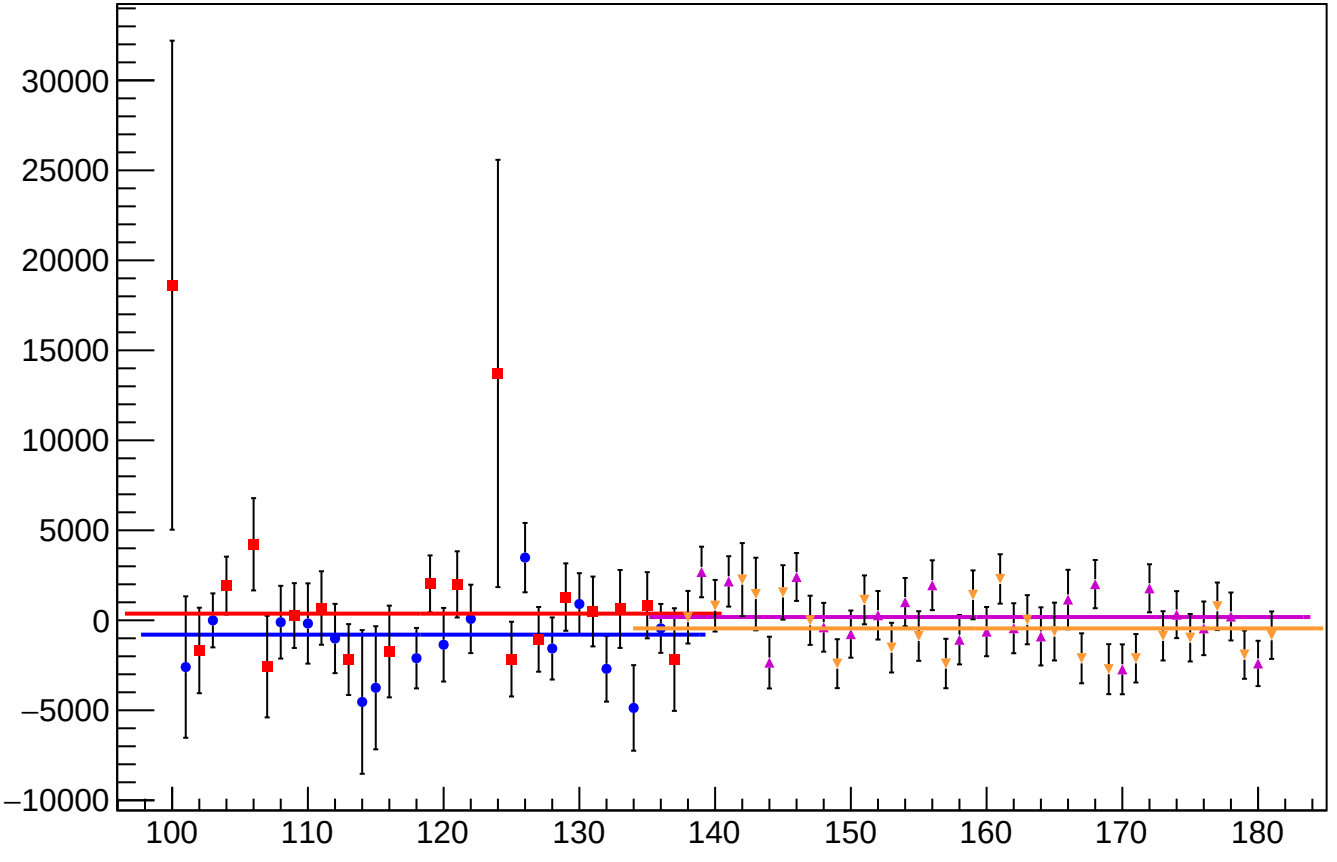
Left In: 0.000+/-0.000 χ^2/NDF:1999591.8/20

+ sign 0.000+/-0.000 χ^2/NDF: 7135096.4/38

All: 0.000+/-0.000 χ^2/NDF: 11941020.3/78

- sign 0.000+/-0.000 χ^2/NDF: 4494025.7/39

reg_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -797.285+/-487.453 χ^2/NDF: 13.4/15

Left Out: -450.113+/-295.142 χ^2/NDF:25.7/22

Right Out: 370.010+/-485.826 χ^2/NDF: 15.6/18

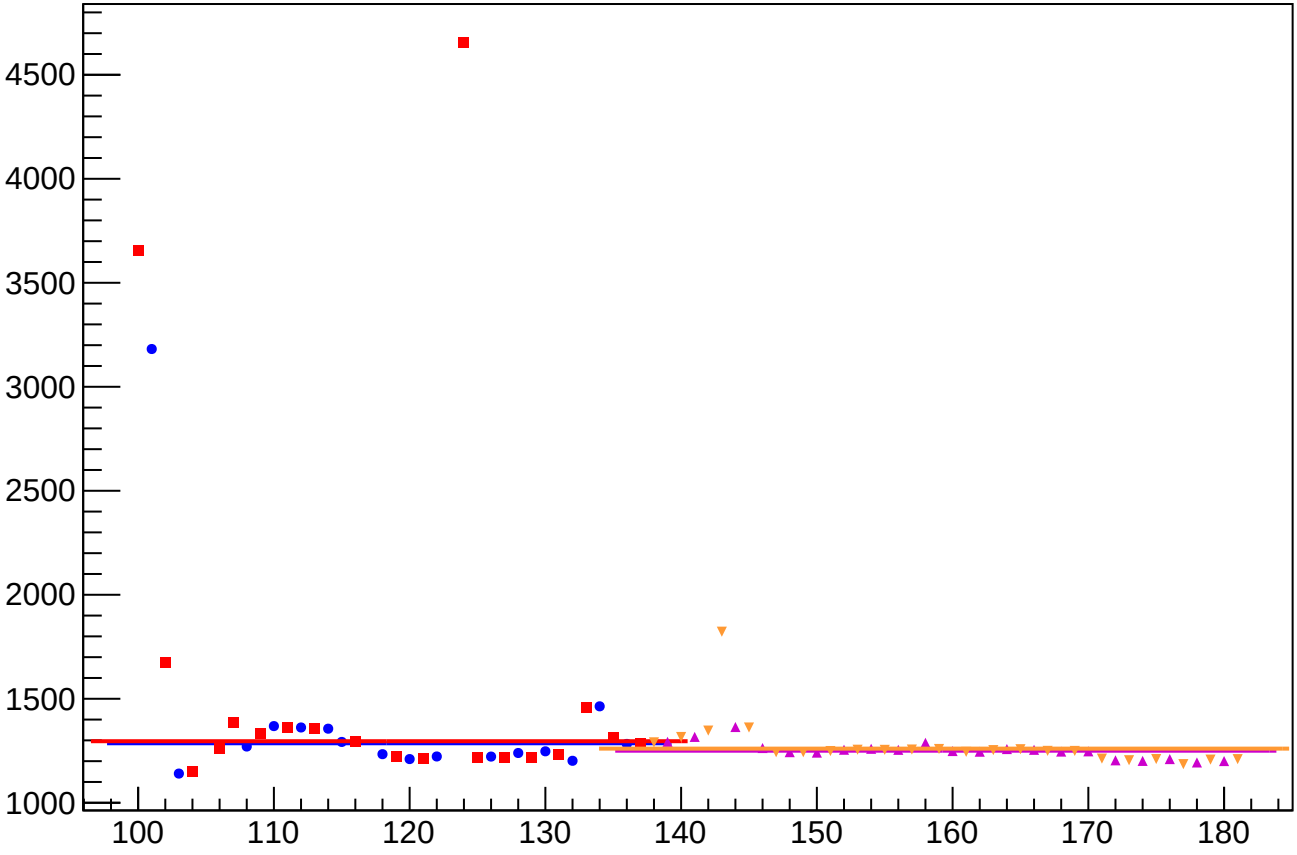
Left In: 181.078+/-301.163 χ^2/NDF:28.0/20

+ sign -543.245+/-252.470 χ^2/NDF: 39.4/38

All: -160.208+/-179.748 χ^2/NDF: 87.9/78

- sign 233.526+/-255.971 χ^2/NDF: 43.8/39

reg_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1286.097+/-0.345 χ^2/NDF: 518126.9/15

Left Out: 1260.308+/-0.209 χ^2/NDF:194520.5/22

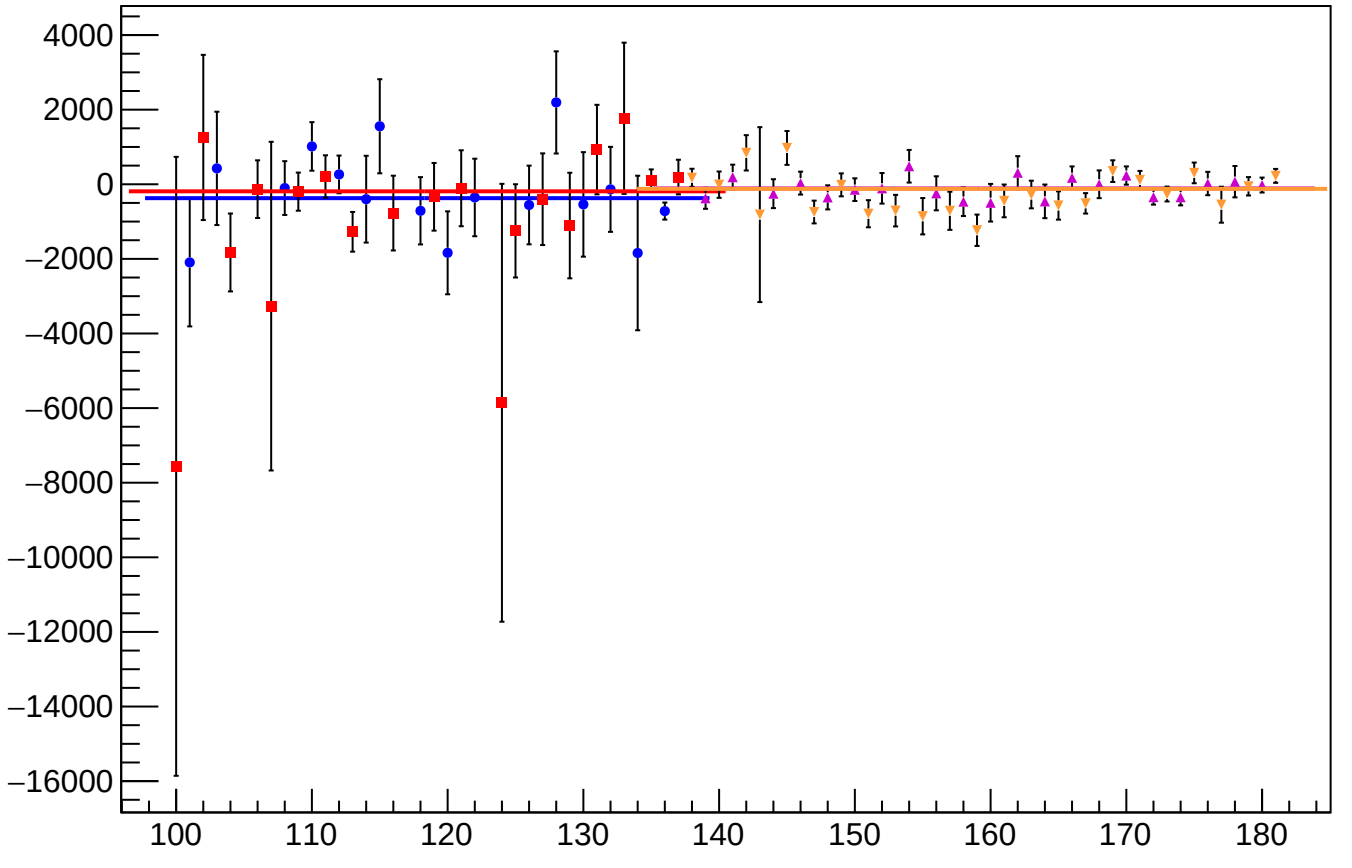
Right Out: 1295.943+/-0.344 χ^2/NDF: 328069.9/18

Left In: 1250.362+/-0.213 χ^2/NDF:34431.3/20

+ sign 1267.226+/-0.179 χ^2/NDF: 716743.6/38

All: 1265.150+/-0.127 χ^2/NDF: 1092236.8/78

- sign 1263.016+/-0.181 χ^2/NDF: 375218.8/39



Right In: -372.325+/-168.204 χ^2/NDF: 18.2/15

Left Out: -122.476+/-65.651 χ^2/NDF:46.7/22

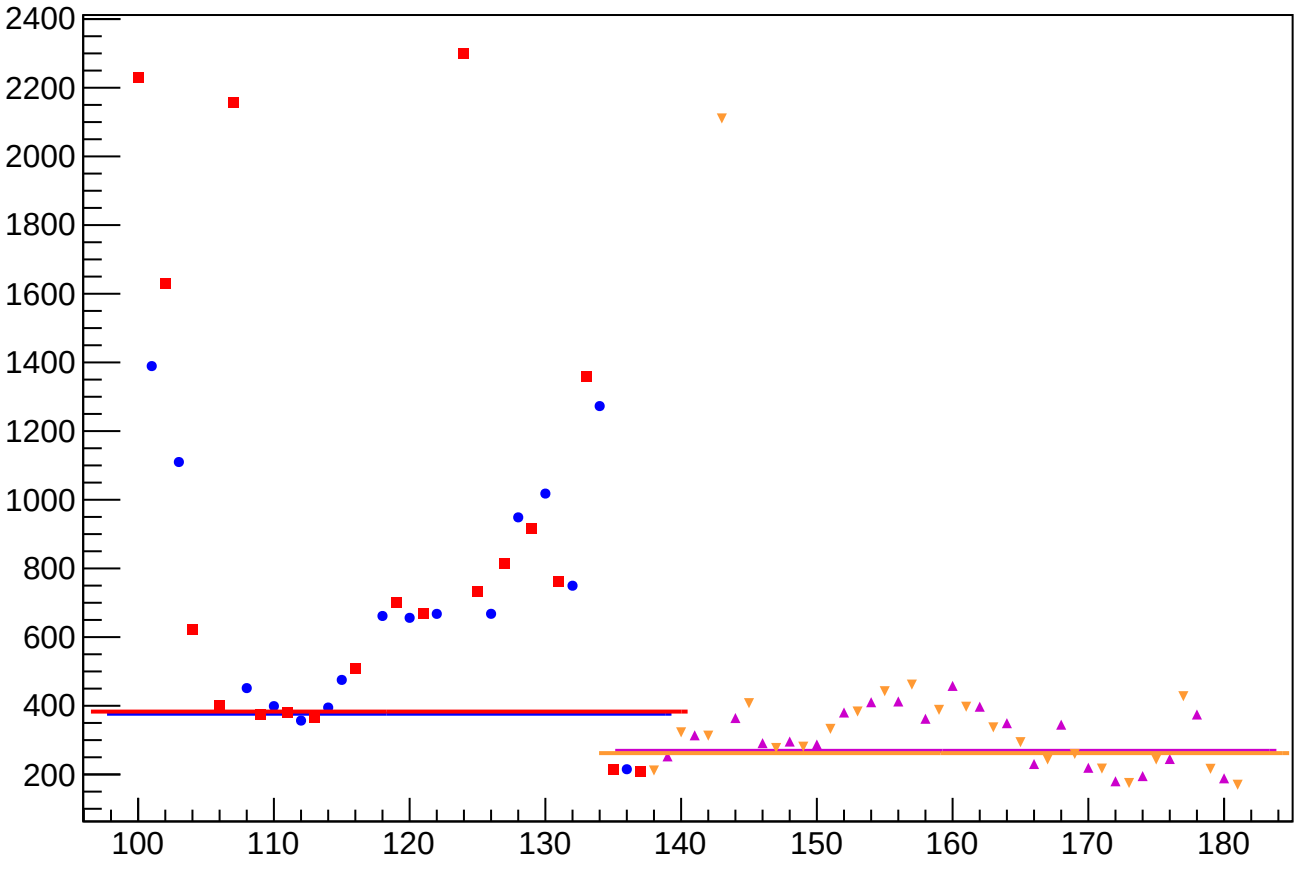
Right Out: -188.945+/-169.575 χ^2/NDF: 14.6/18

Left In: -112.029+/-67.902 χ^2/NDF:13.5/20

+ sign -155.506+/-61.157 χ^2/NDF: 66.8/38

All: -139.579+/-43.894 χ^2/NDF: 95.2/78

- sign -122.658+/-63.036 χ^2/NDF: 28.3/39



Right In: 376.893+/-0.119 χ^2/NDF: 4190194.7/15

Left Out: 262.119+/-0.046 χ^2/NDF:4172625.8/22

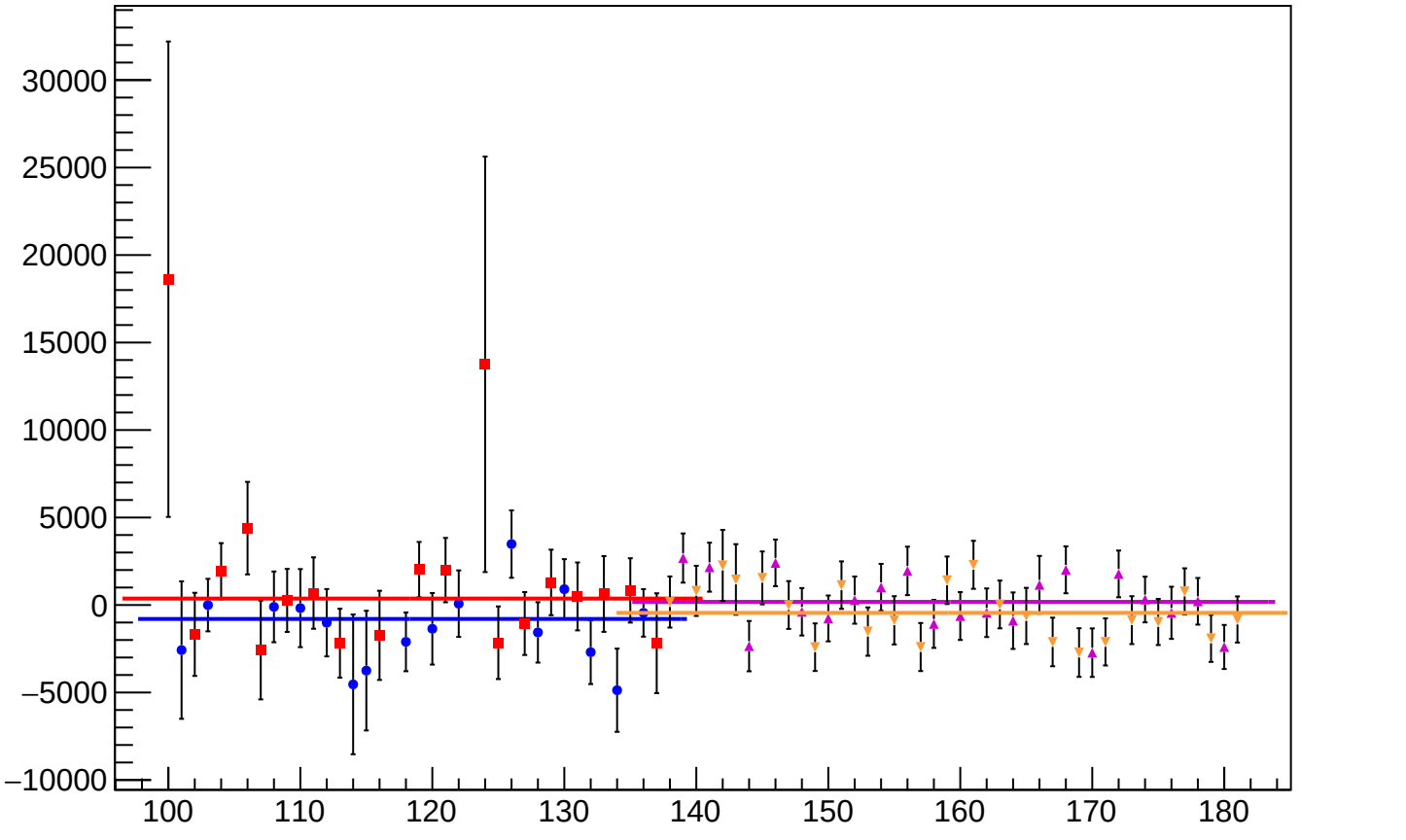
Right Out: 383.074+/-0.120 χ^2/NDF: 4054121.5/18

Left In: 268.718+/-0.048 χ^2/NDF:2652731.8/20

+ sign 277.292+/-0.043 χ^2/NDF: 9170912.0/38

All: 280.797+/-0.031 χ^2/NDF: 16675169.2/78

- sign 284.520+/-0.045 χ^2/NDF: 7490713.4/39



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: -450.066+/-295.142 χ^2/NDF:25.7/22

Right Out: 367.476+/-486.348 χ^2/NDF: 15.7/18

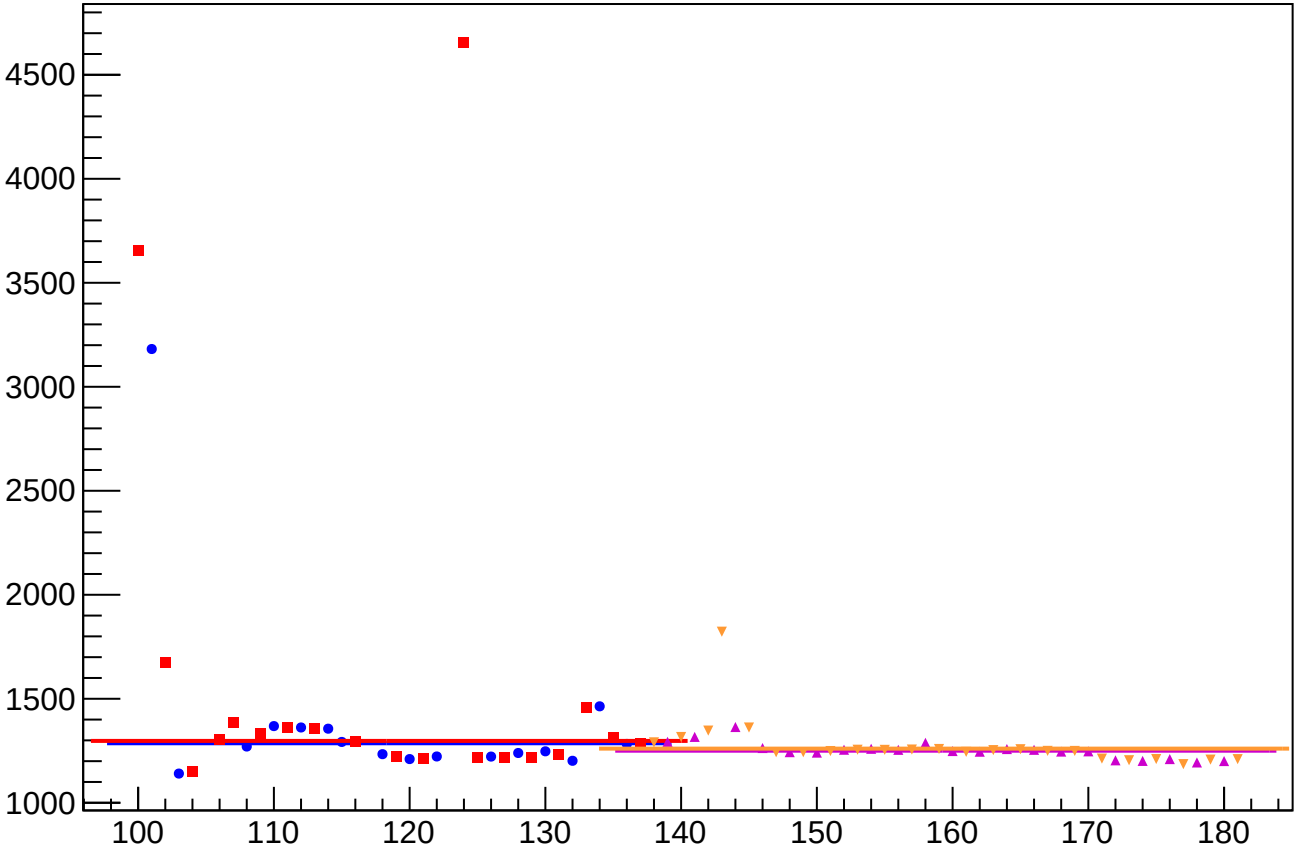
Left In: 181.049+/-301.163 χ^2/NDF:28.0/20

+ sign -543.103+/-252.470 χ^2/NDF: 39.4/38

All: -160.648+/-179.775 χ^2/NDF: 87.9/78

- sign 232.721+/-256.047 χ^2/NDF: 43.8/39

cor_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1260.308+/-0.209 χ^2/NDF:194520.4/22

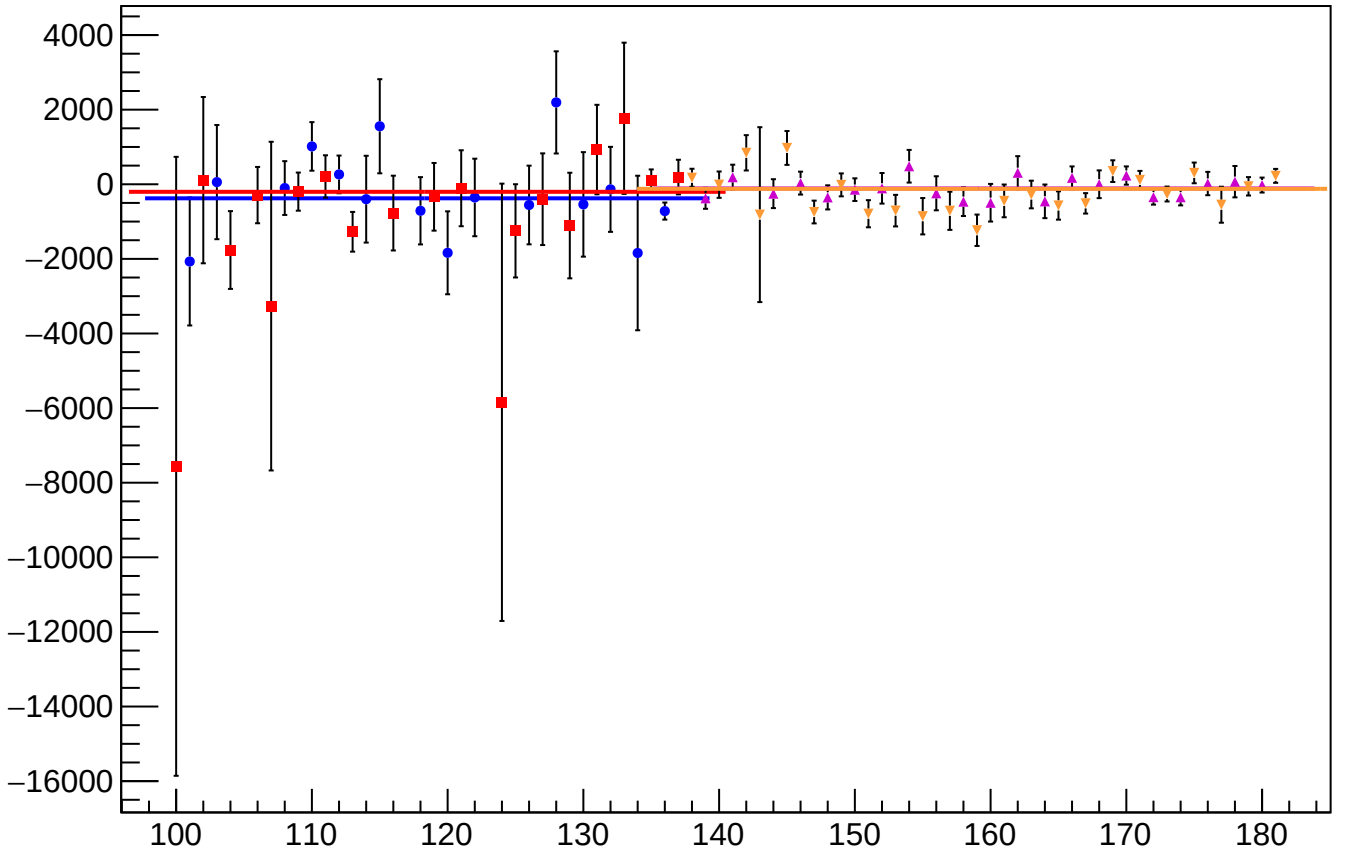
Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1250.362+/-0.213 χ^2/NDF:34431.2/20

+ sign 1267.226+/-0.179 χ^2/NDF: 716745.0/38

All: 1265.339+/-0.127 χ^2/NDF: 1092663.9/78

- sign 1263.398+/-0.181 χ^2/NDF: 375692.2/39



Right In: -376.771+/-168.223 χ^2/NDF: 17.9/15

Left Out: -122.454+/-65.652 χ^2/NDF:46.7/22

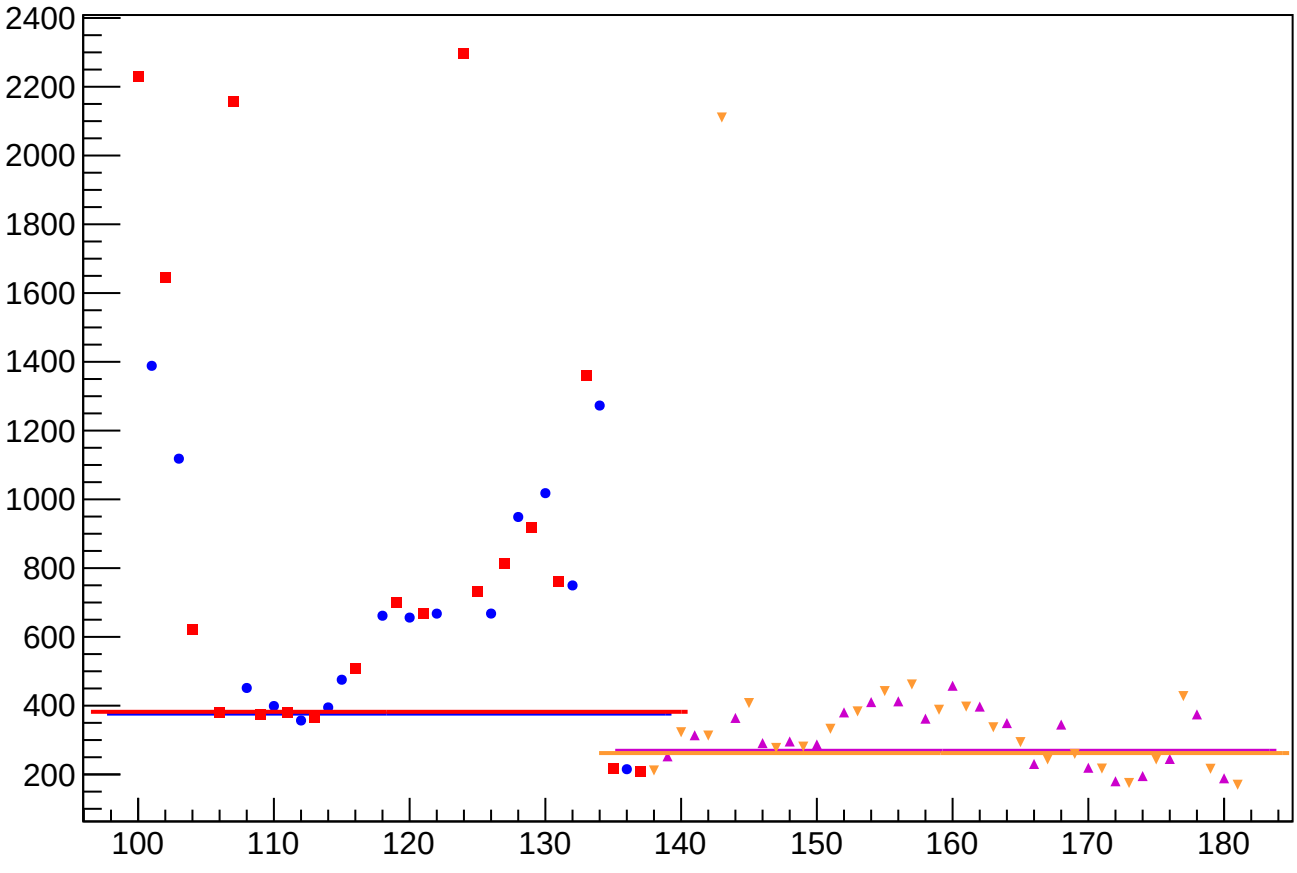
Right Out: -202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: -112.147+/-67.904 χ^2/NDF:13.4/20

+ sign -156.069+/-61.159 χ^2/NDF: 66.6/38

All: -140.812+/-43.892 χ^2/NDF: 94.5/78

- sign -124.609+/-63.027 χ^2/NDF: 27.7/39



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 262.125+/-0.046 χ^2/NDF:4172619.8/22

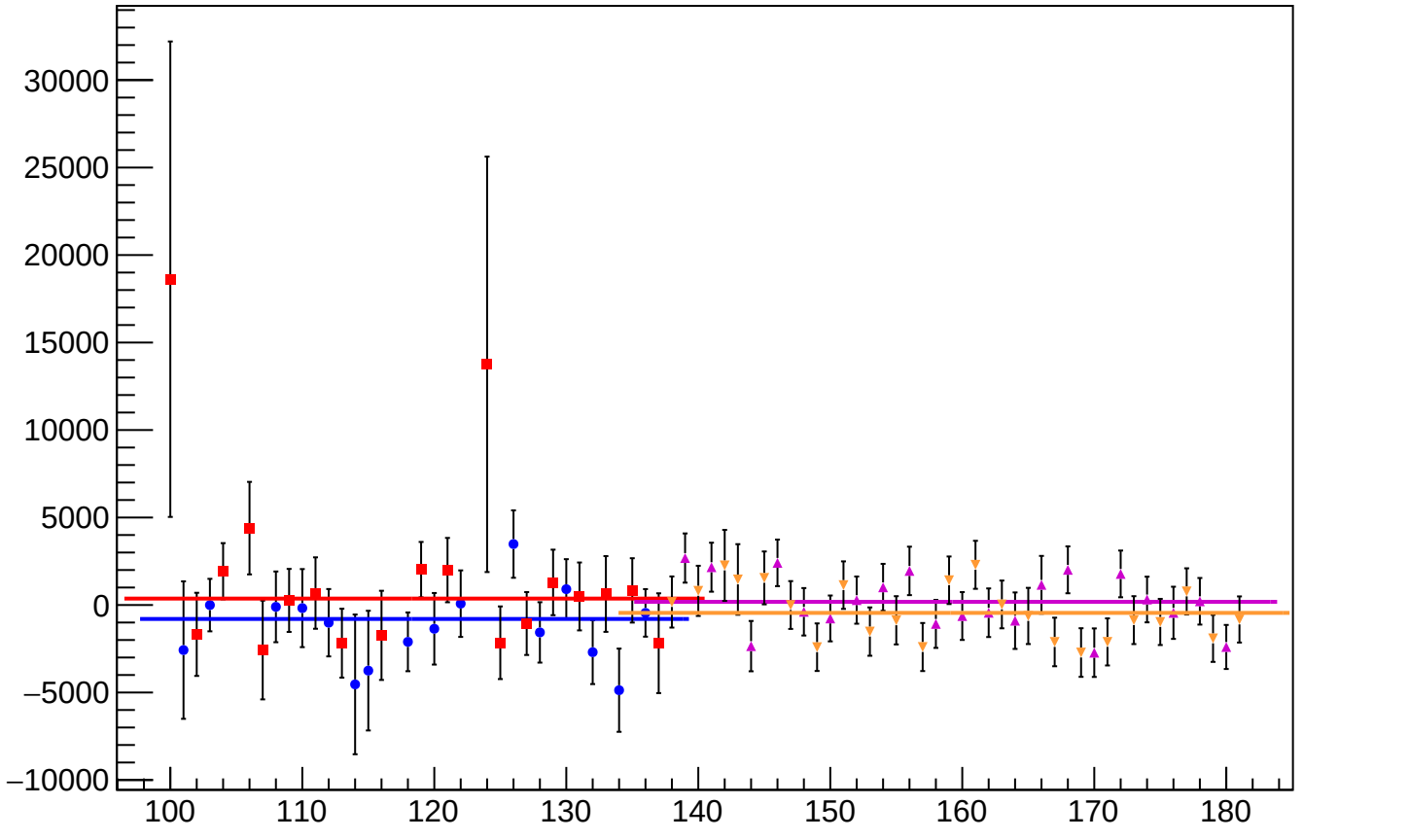
Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 268.727+/-0.048 χ^2/NDF:2652422.5/20

+ sign 277.293+/-0.043 χ^2/NDF: 9173672.6/38

All: 280.754+/-0.031 χ^2/NDF: 16671385.5/78

- sign 284.430+/-0.045 χ^2/NDF: 7484504.9/39



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: -450.066+/-295.142 χ^2/NDF:25.7/22

Right Out: 367.476+/-486.348 χ^2/NDF: 15.7/18

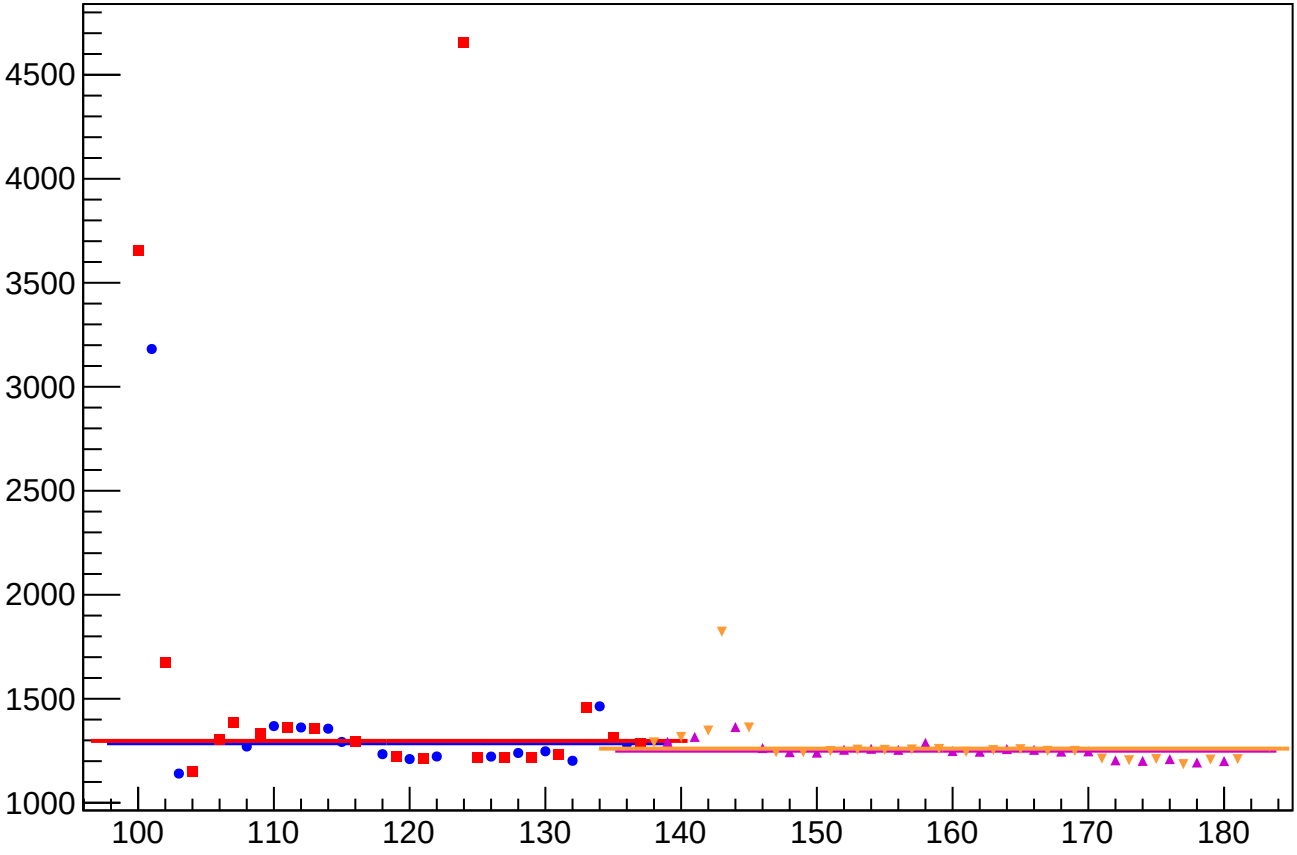
Left In: 181.049+/-301.163 χ^2/NDF:28.0/20

+ sign -543.103+/-252.470 χ^2/NDF: 39.4/38

All: -160.648+/-179.775 χ^2/NDF: 87.9/78

- sign 232.721+/-256.047 χ^2/NDF: 43.8/39

eigen_cor_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1260.308+/-0.209 χ^2/NDF:194520.4/22

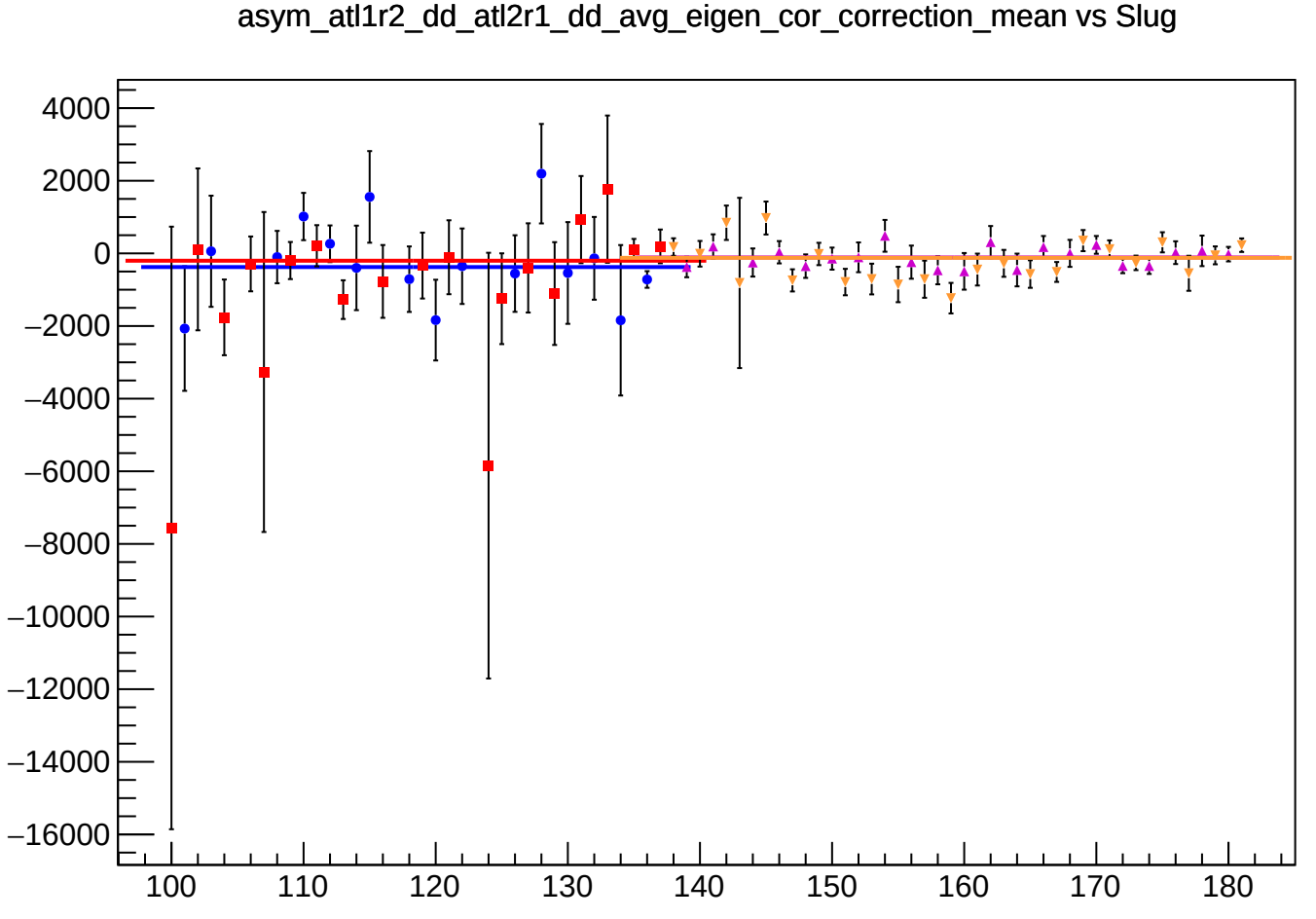
Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1250.362+/-0.213 χ^2/NDF:34431.2/20

+ sign 1267.226+/-0.179 χ^2/NDF: 716745.0/38

All: 1265.339+/-0.127 χ^2/NDF: 1092663.9/78

- sign 1263.398+/-0.181 χ^2/NDF: 375692.2/39



Right In: -376.771+/-168.223 χ^2/NDF: 17.9/15

Left Out: -122.454+/-65.652 χ^2/NDF:46.7/22

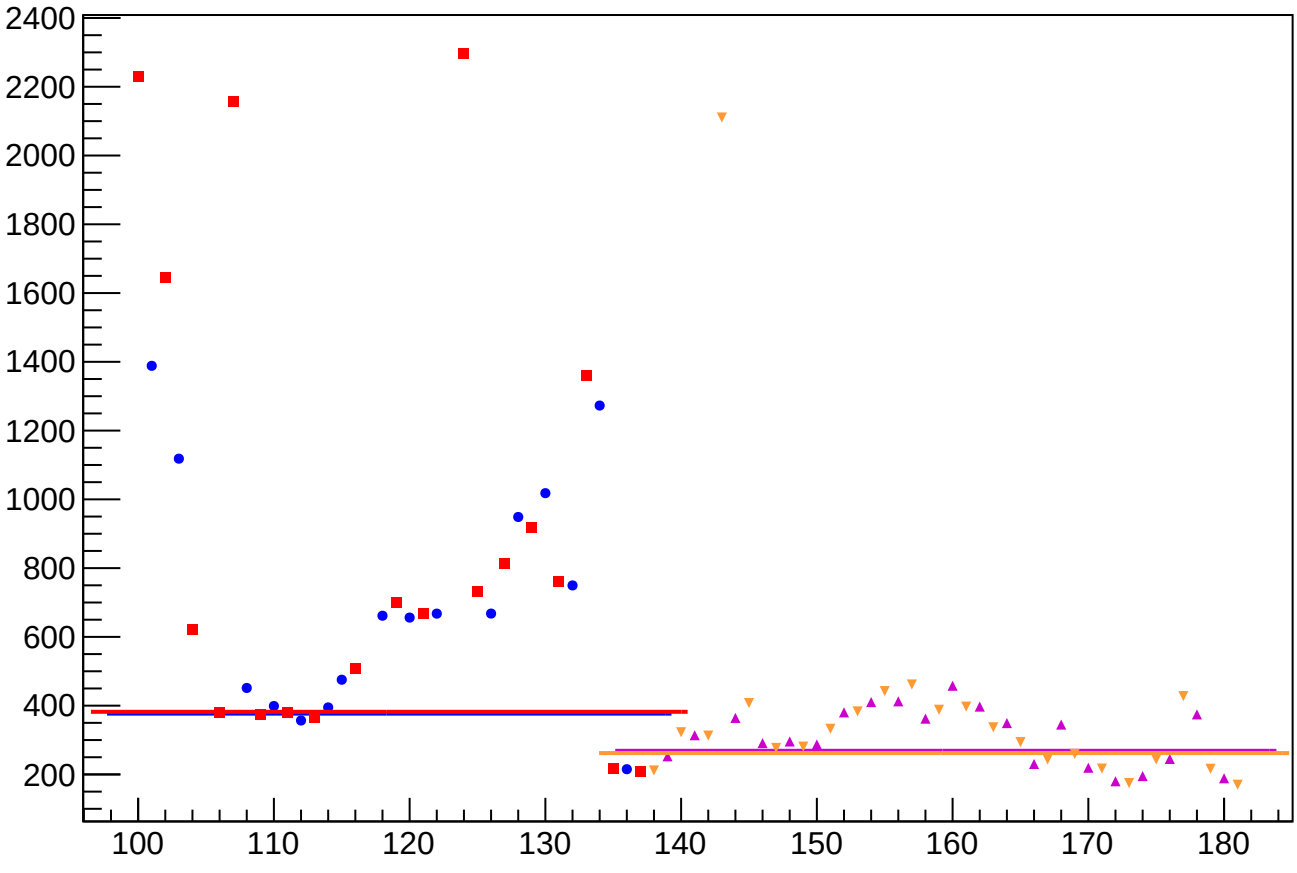
Right Out: -202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: -112.147+/-67.904 χ^2/NDF:13.4/20

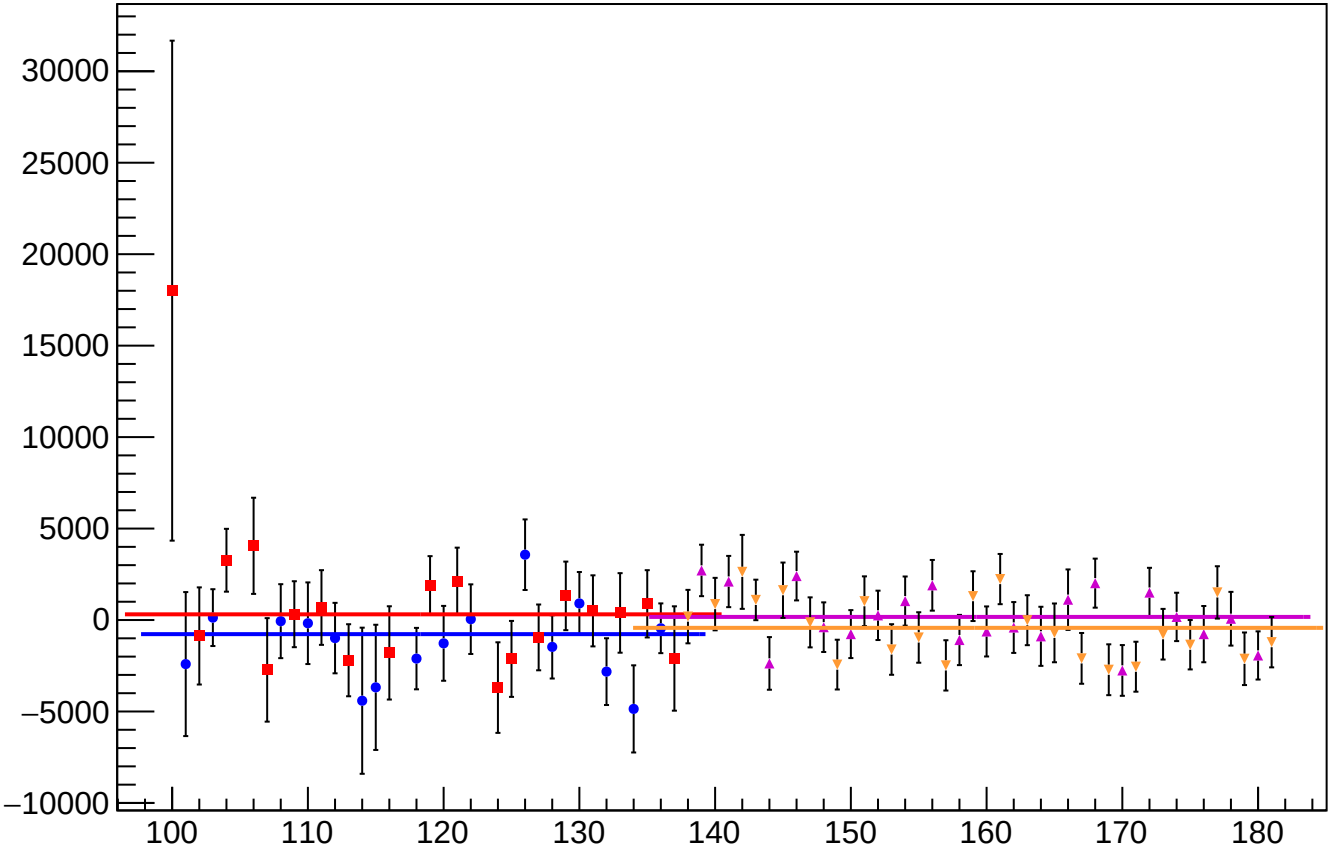
+ sign -156.069+/-61.159 χ^2/NDF: 66.6/38

All: -140.812+/-43.892 χ^2/NDF: 94.5/78

- sign -124.609+/-63.027 χ^2/NDF: 27.7/39


asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_rms vs Slug
2400
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
100
110
120
130
140
150
160
170
180
Right In: 376.884+/-0.119 χ²/NDF: 4193328.0/15
Left Out: 262.125+/-0.046 χ²/NDF:4172619.8/22
Right Out: 382.136+/-0.120 χ²/NDF: 4059600.2/18
Left In: 268.727+/-0.048 χ²/NDF:2652422.5/20
+ sign 277.293+/-0.043 χ²/NDF: 9173672.6/38
All: 280.754+/-0.031 χ²/NDF: 16671385.5/78
- sign 284.430+/-0.045 χ²/NDF: 7484504.9/39

dit_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -771.499+/-489.602 χ^2/NDF: 13.6/15

Left Out: -427.671+/-291.318 χ^2/NDF:29.7/22

Right Out: 311.418+/-482.642 χ^2/NDF: 17.9/18

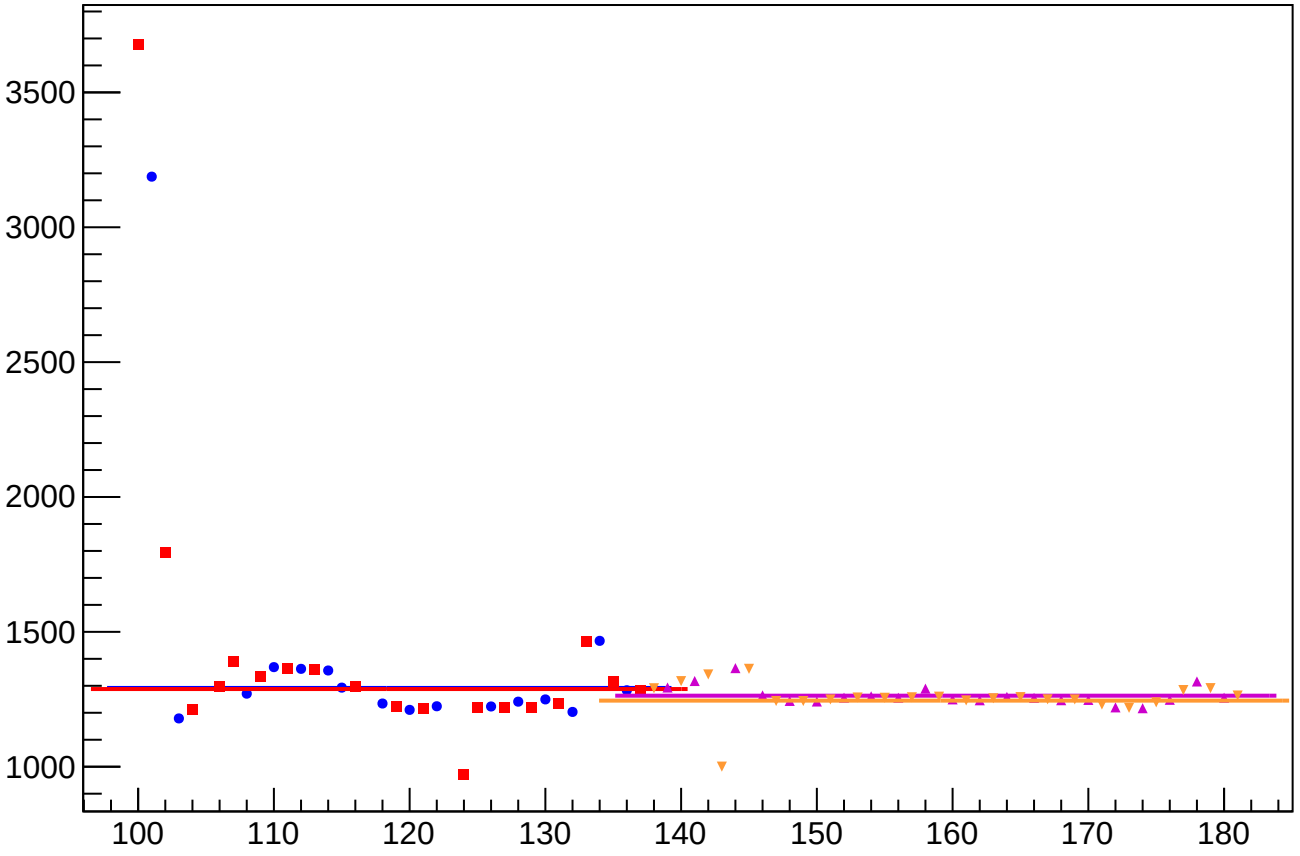
Left In: 170.087+/-304.260 χ^2/NDF:26.1/20

+ sign -517.570+/-250.353 χ^2/NDF: 43.7/38

All: -163.724+/-179.461 χ^2/NDF: 91.9/78

- sign 210.280+/-257.385 χ^2/NDF: 44.1/39

dit_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.3/15

Left Out: 1245.065+/-0.206 χ^2/NDF:127405.0/22

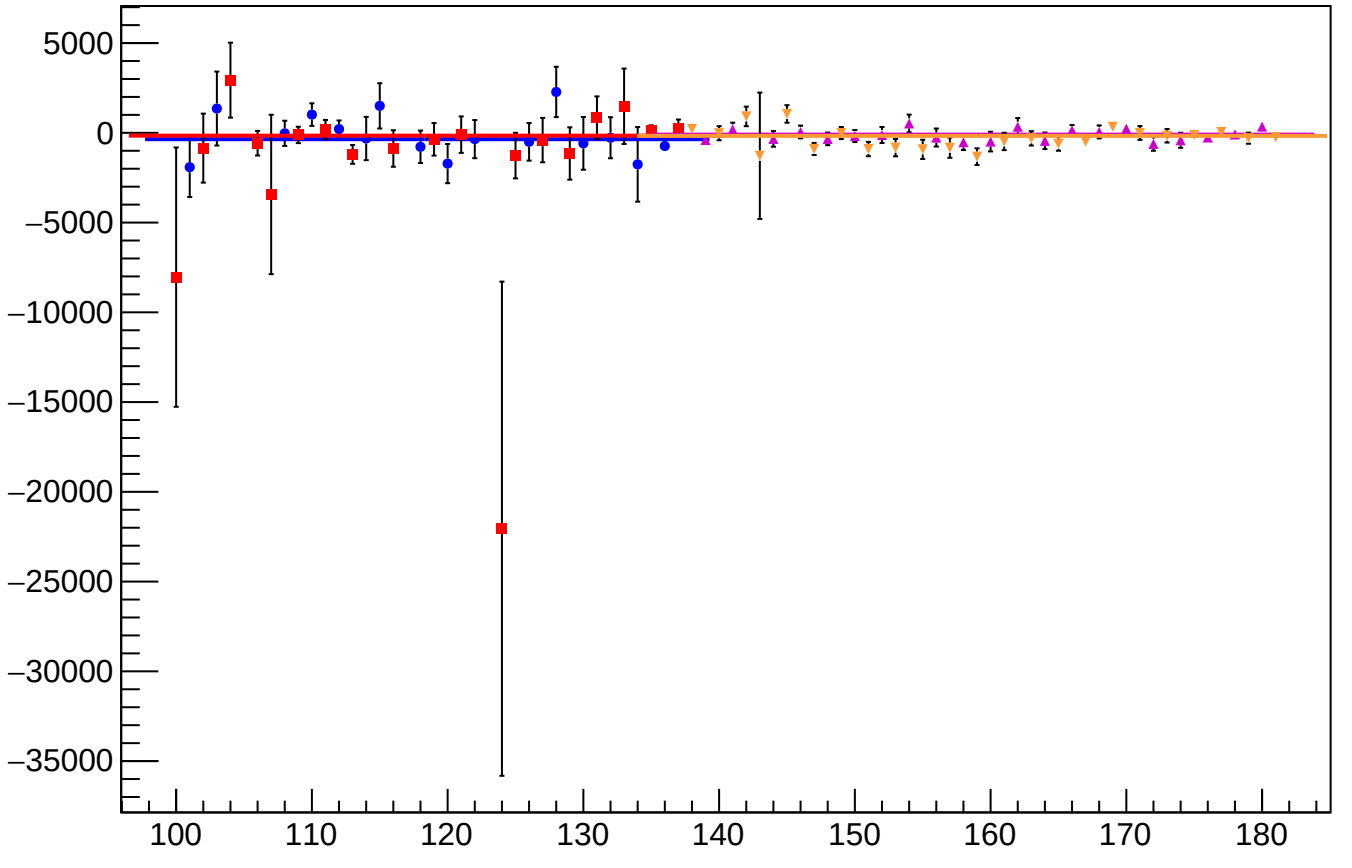
Right Out: 1287.988+/-0.341 χ^2/NDF: 209208.8/18

Left In: 1263.353+/-0.215 χ^2/NDF:24326.9/20

+ sign 1257.347+/-0.177 χ^2/NDF: 650407.0/38

All: 1263.673+/-0.127 χ^2/NDF: 890298.1/78

- sign 1270.359+/-0.182 χ^2/NDF: 237264.5/39



Right In: -355.226+/-169.971 χ^2/NDF: 18.4/15

Left Out: -168.765+/-65.544 χ^2/NDF:41.8/22

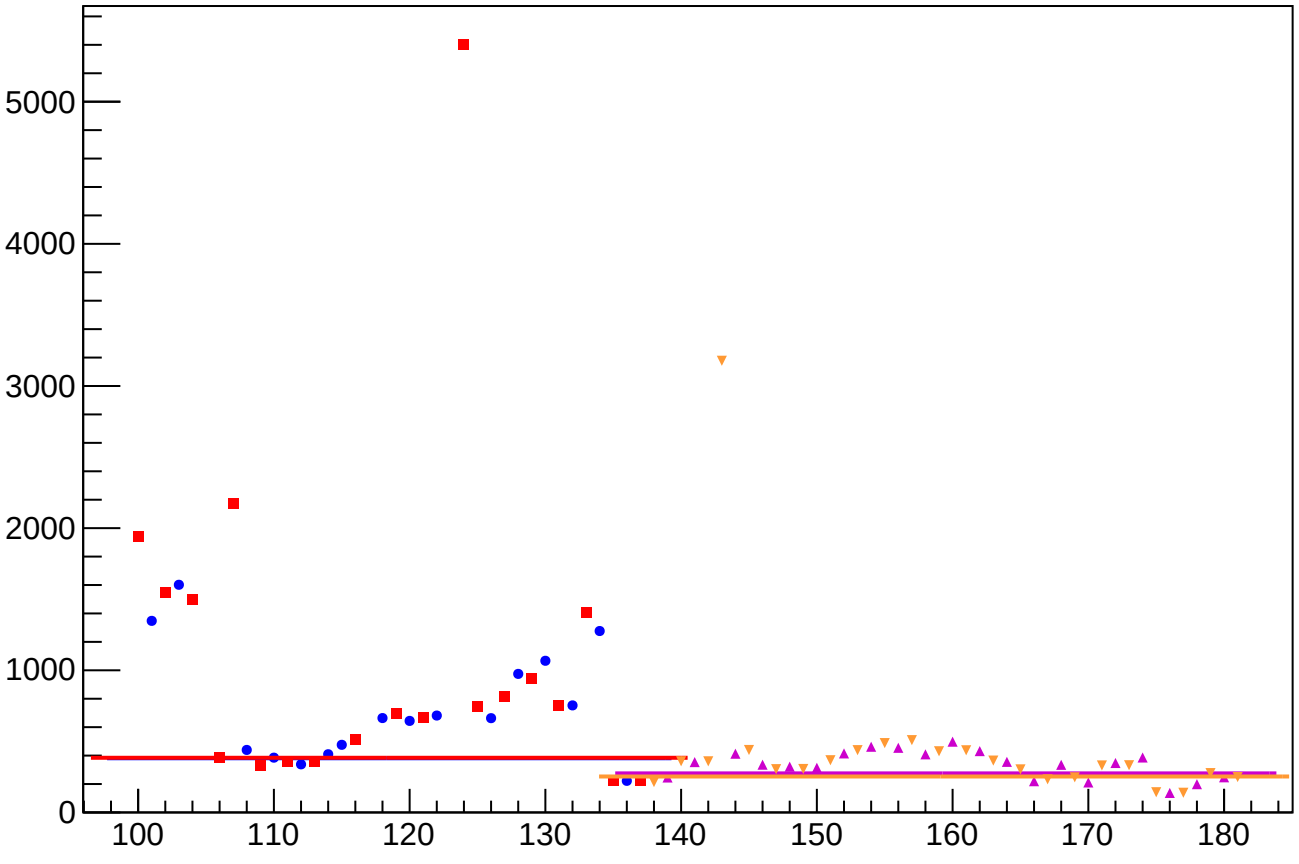
Right Out: -157.924+/-169.665 χ^2/NDF: 15.8/18

Left In: -99.779+/-70.880 χ^2/NDF:16.2/20

+ sign -192.903+/-61.154 χ^2/NDF: 61.3/38

All: -153.493+/-44.669 χ^2/NDF: 94.3/78

- sign -108.419+/-65.402 χ^2/NDF: 32.2/39



Right In: 381.349+/-0.120 χ^2/NDF: 4317922.6/15

Left Out: 253.005+/-0.046 χ^2/NDF:6290402.9/22

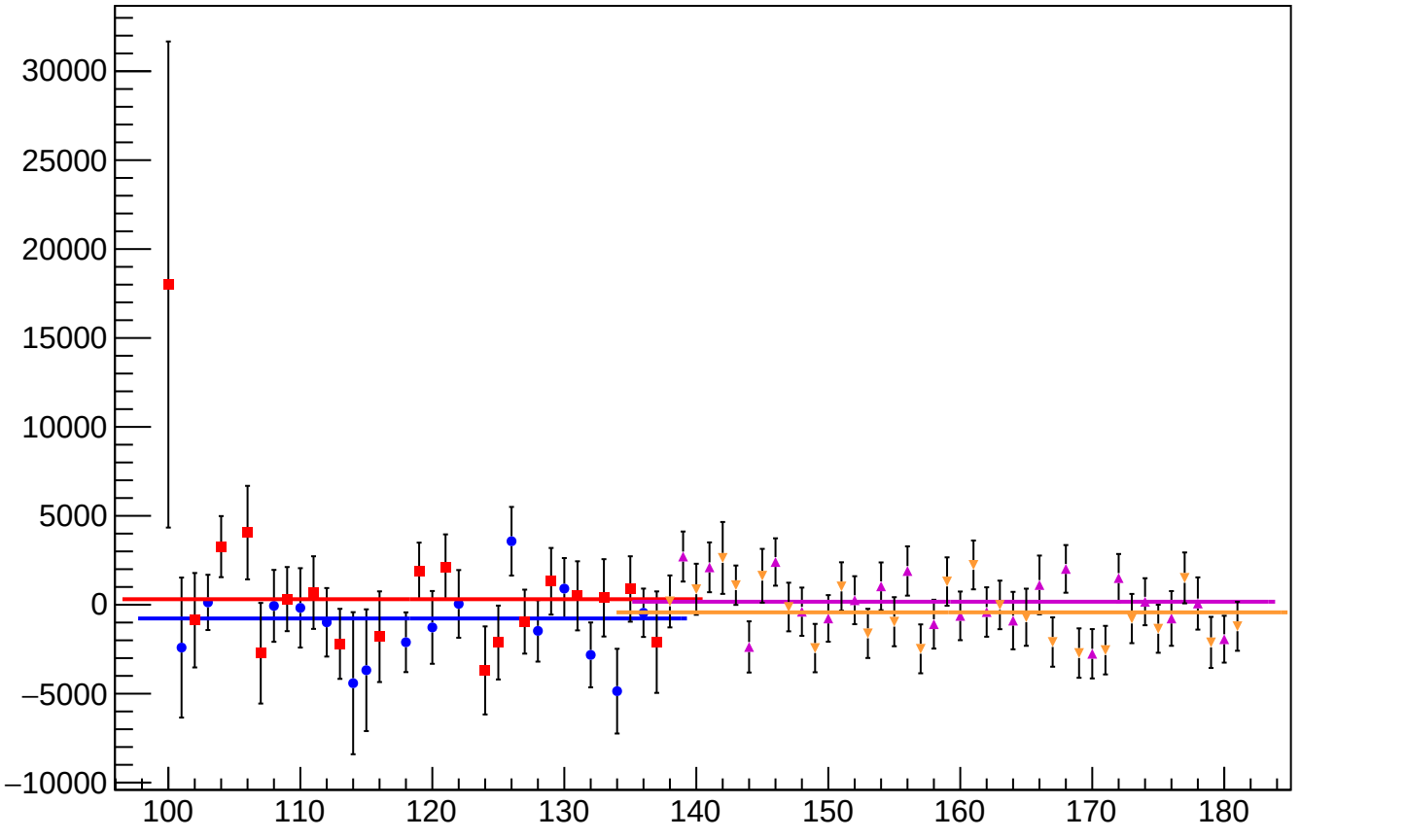
Right Out: 384.651+/-0.120 χ^2/NDF: 4560208.6/18

Left In: 274.828+/-0.050 χ^2/NDF:4012127.0/20

+ sign 269.619+/-0.043 χ^2/NDF: 11601046.3/38

All: 279.661+/-0.032 χ^2/NDF: 21002451.1/78

- sign 291.146+/-0.046 χ^2/NDF: 9285799.6/39



Right In: -771.501+/-489.602 χ^2/NDF: 13.6/15

Left Out: -427.670+/-291.318 χ^2/NDF:29.7/22

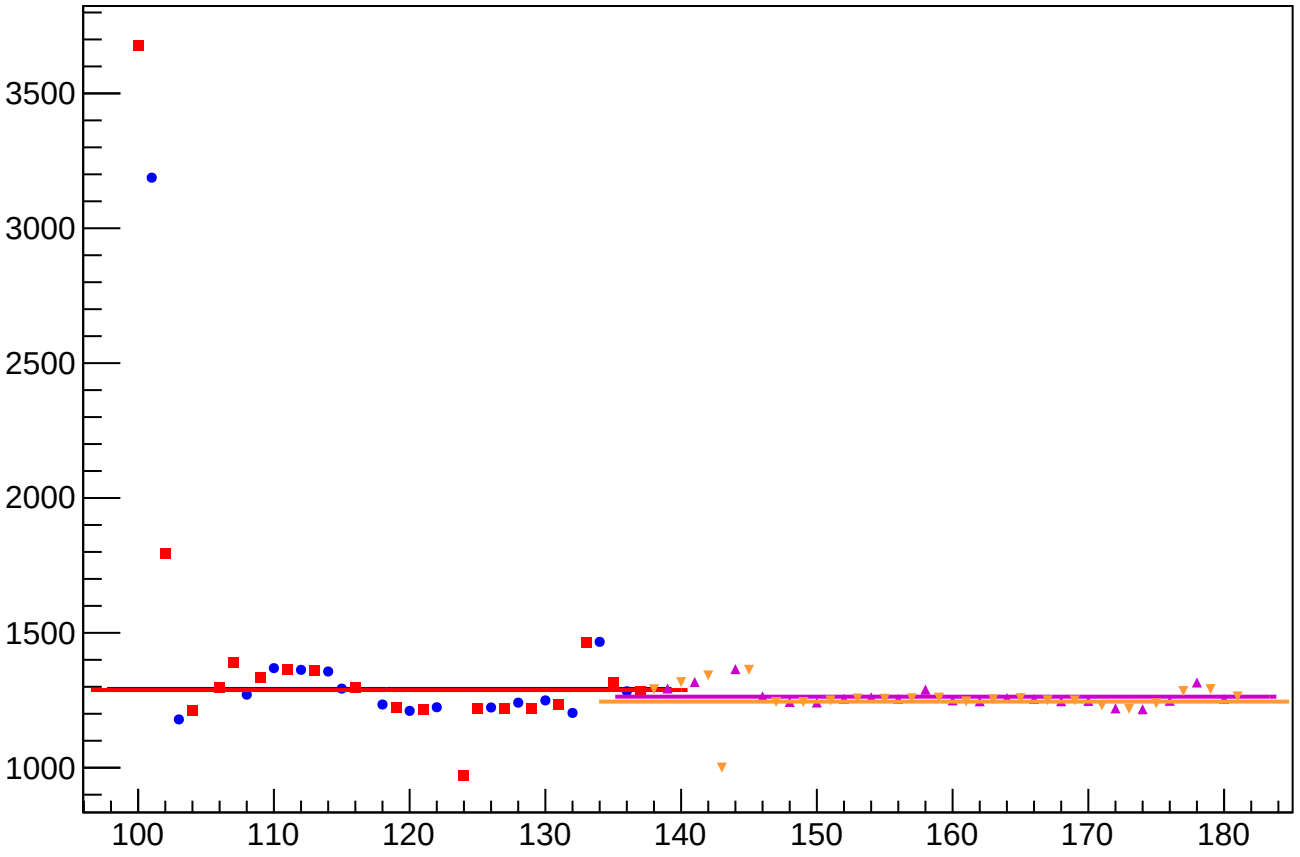
Right Out: 311.419+/-482.642 χ^2/NDF: 17.9/18

Left In: 170.087+/-304.260 χ^2/NDF:26.1/20

+ sign -517.571+/-250.353 χ^2/NDF: 43.7/38

All: -163.723+/-179.461 χ^2/NDF: 91.9/78

- sign 210.281+/-257.385 χ^2/NDF: 44.1/39



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.2/15

Left Out: 1245.065+/-0.206 χ^2/NDF:127404.1/22

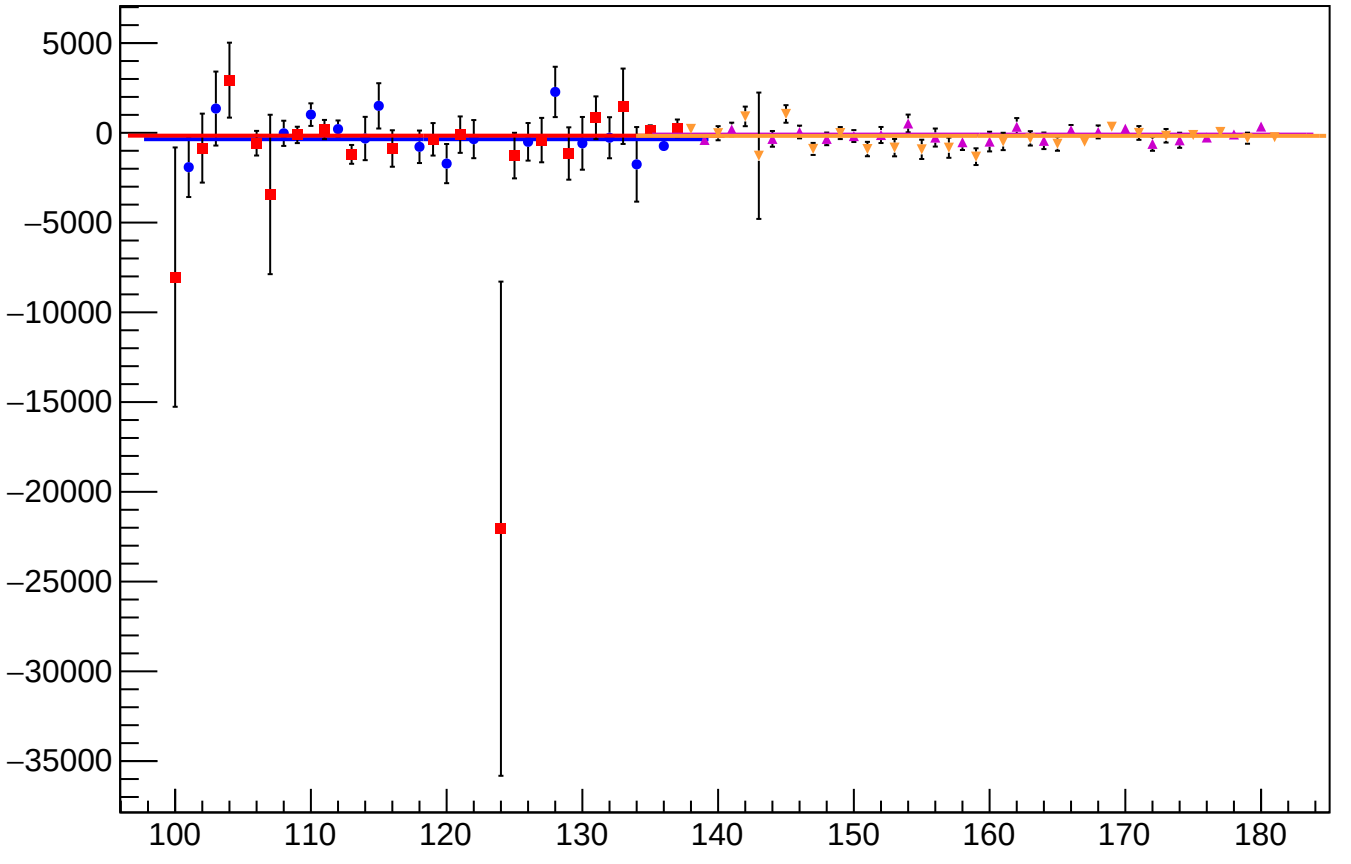
Right Out: 1287.988+/-0.341 χ^2/NDF: 209209.1/18

Left In: 1263.353+/-0.215 χ^2/NDF:24327.0/20

+ sign 1257.347+/-0.177 χ^2/NDF: 650406.1/38

All: 1263.673+/-0.127 χ^2/NDF: 890297.5/78

- sign 1270.359+/-0.182 χ^2/NDF: 237264.9/39



Right In: -355.226+/-169.973 χ^2/NDF: 18.4/15

Left Out: -168.769+/-65.544 χ^2/NDF:41.8/22

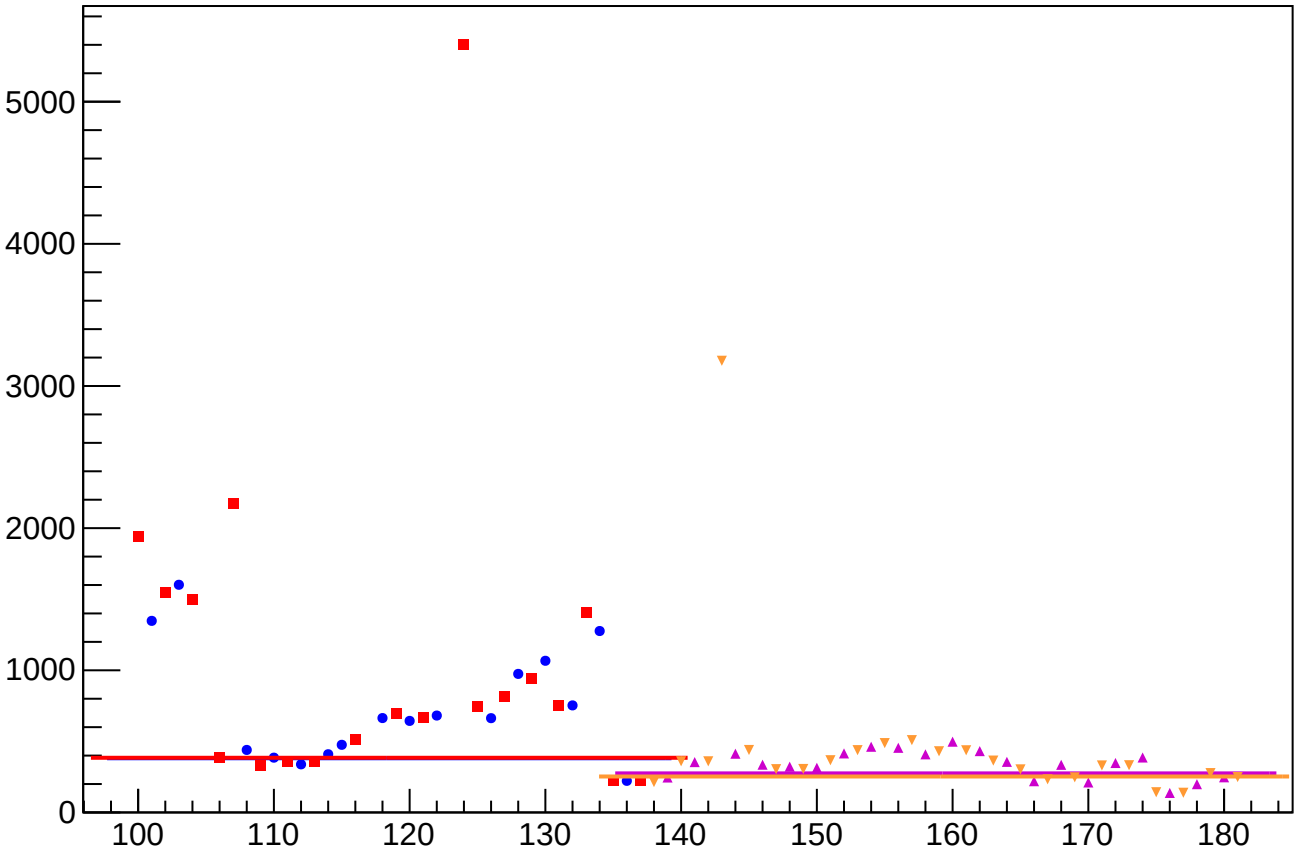
Right Out: -157.929+/-169.667 χ^2/NDF: 15.8/18

Left In: -99.778+/-70.880 χ^2/NDF:16.2/20

+ sign -192.905+/-61.155 χ^2/NDF: 61.3/38

All: -153.494+/-44.669 χ^2/NDF: 94.3/78

- sign -108.418+/-65.402 χ^2/NDF: 32.2/39



Right In: 381.359+/-0.120 χ^2/NDF: 4317737.3/15

Left Out: 253.006+/-0.046 χ^2/NDF:6290306.7/22

Right Out: 384.658+/-0.120 χ^2/NDF: 4560068.3/18

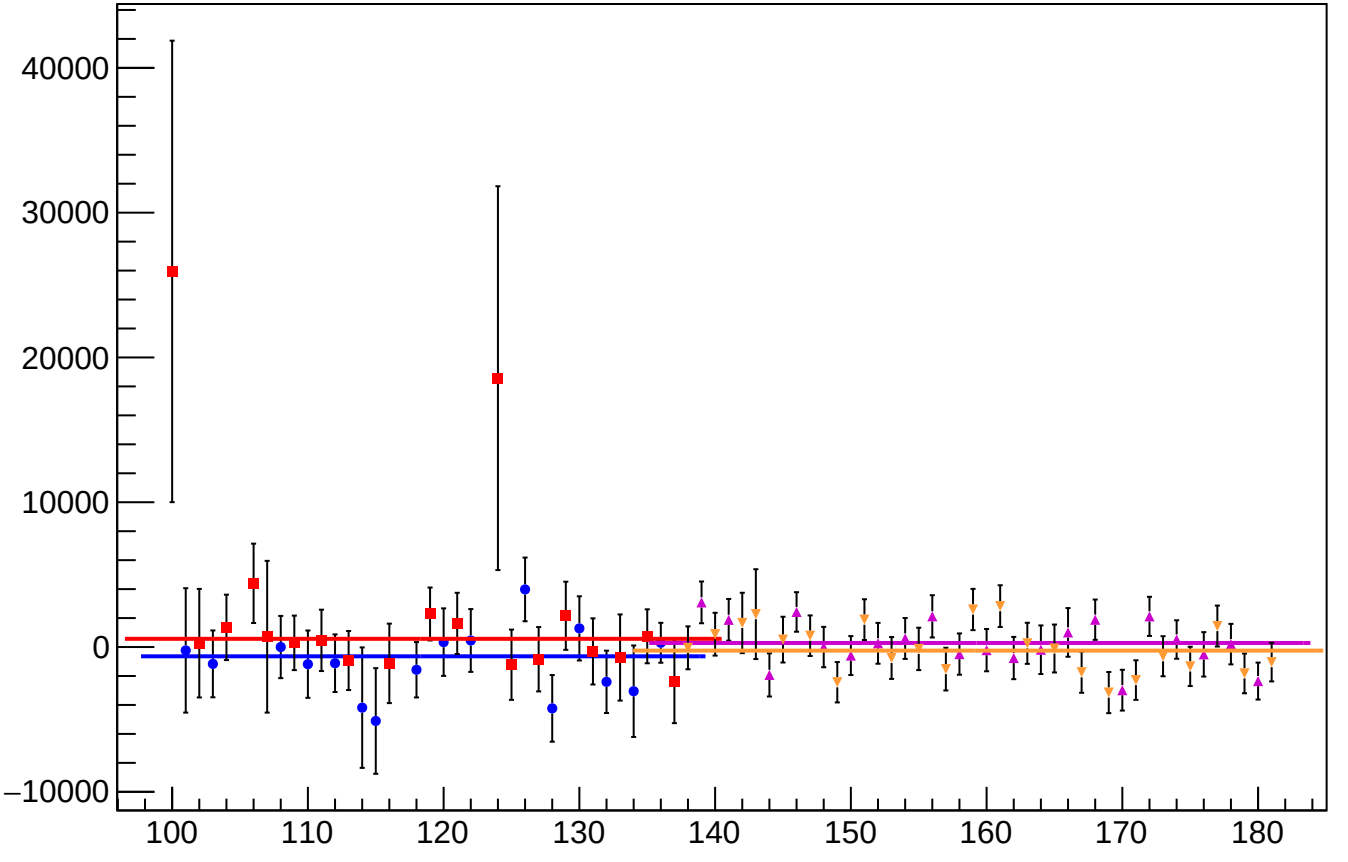
Left In: 274.828+/-0.050 χ^2/NDF:4012088.2/20

+ sign 269.621+/-0.043 χ^2/NDF: 11600869.1/38

All: 279.663+/-0.032 χ^2/NDF: 21002163.9/78

- sign 291.148+/-0.046 χ^2/NDF: 9285699.1/39

asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -640.824+/-564.366 χ^2/NDF: 12.5/15

Left Out: -246.934+/-307.086 χ^2/NDF:28.5/22

Right Out: 567.254+/-566.774 χ^2/NDF: 11.3/18

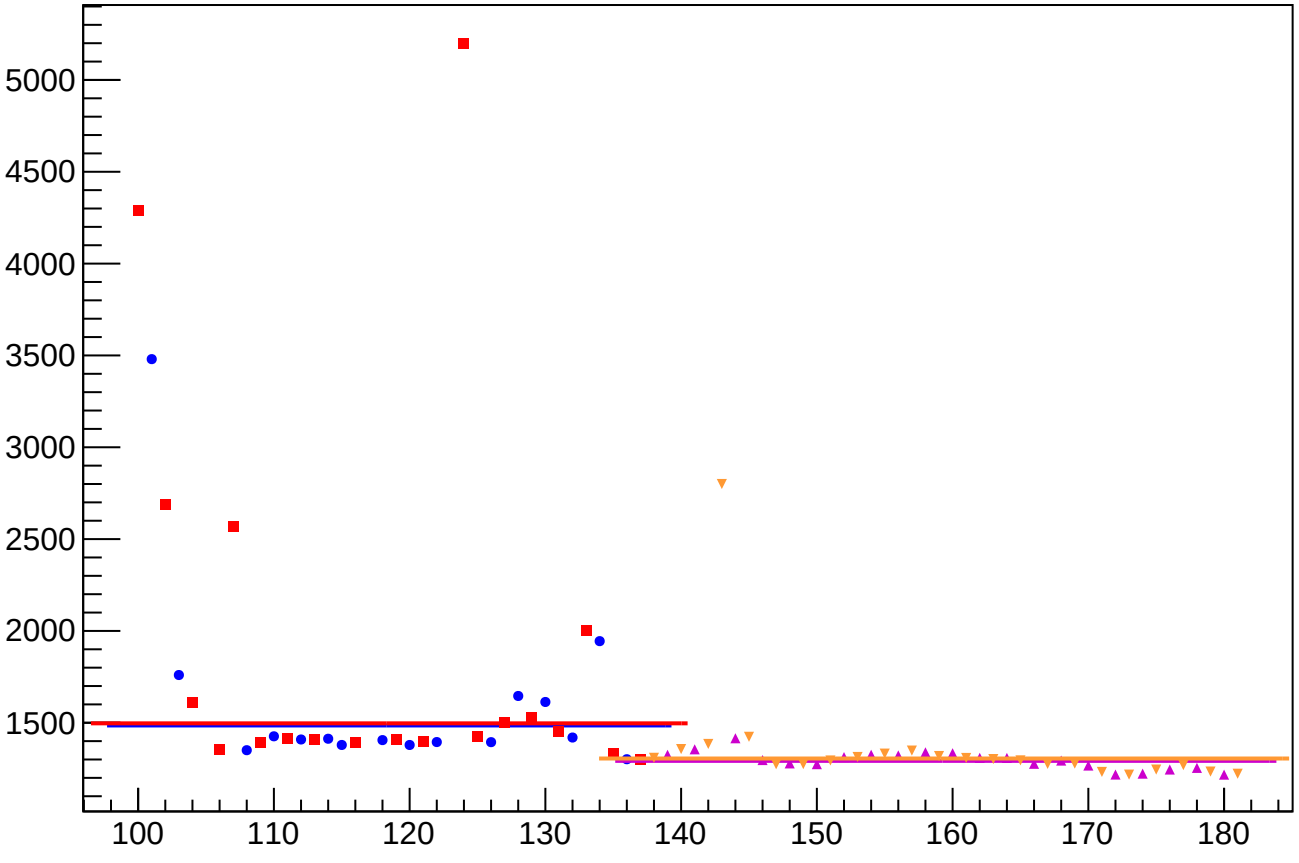
Left In: 280.507+/-311.407 χ^2/NDF:26.0/20

\+ sign -336.914+/-269.740 χ^2/NDF: 41.3/38

All: 1.028+/-191.851 χ^2/NDF: 82.1/78

\- sign 346.998+/-272.925 χ^2/NDF: 37.5/39

asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1485.370+/-0.399 χ^2/NDF: 584470.1/15

Left Out: 1305.369+/-0.217 χ^2/NDF:519026.6/22

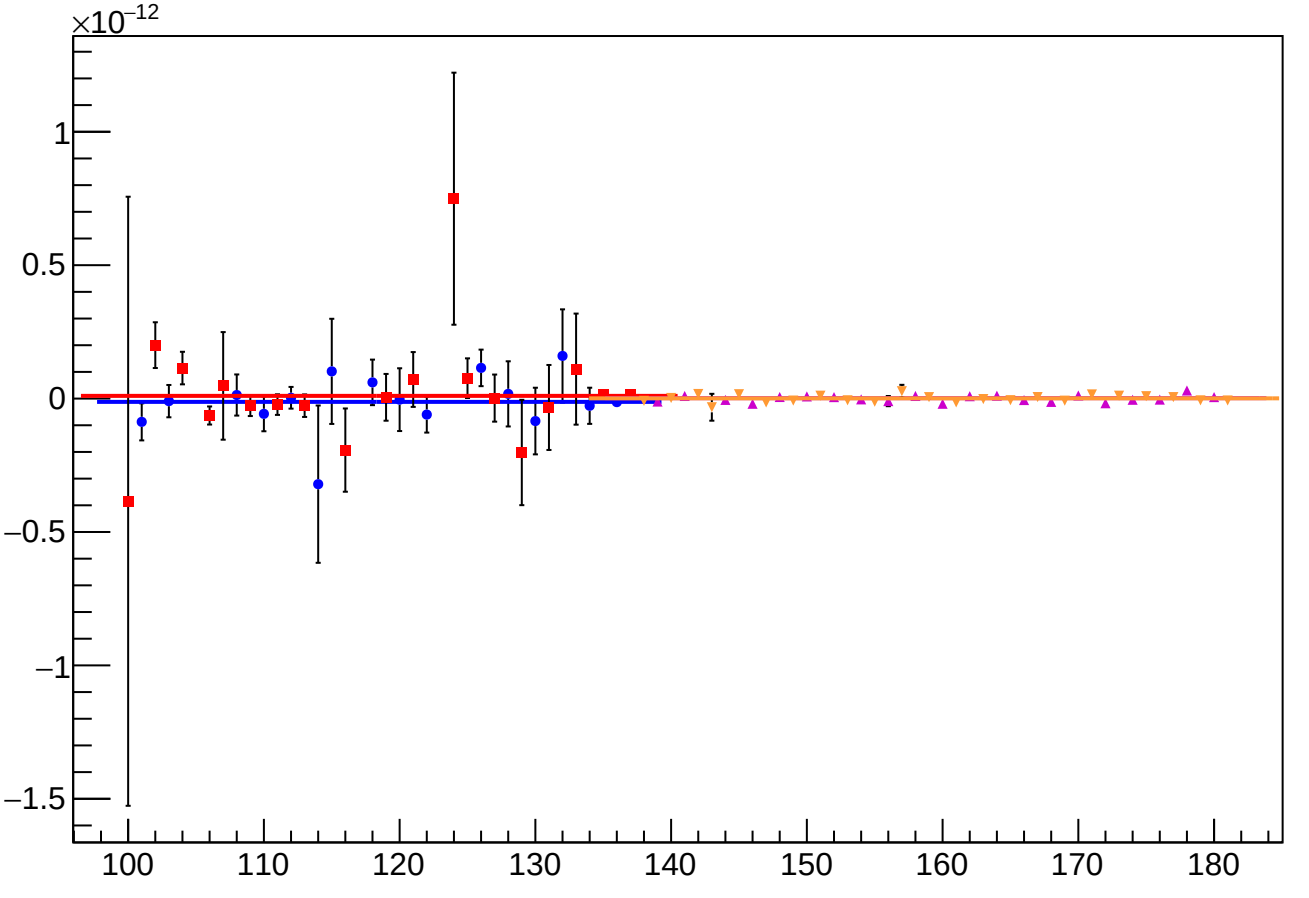
Right Out: 1496.865+/-0.401 χ^2/NDF: 623292.7/18

Left In: 1292.600+/-0.220 χ^2/NDF:48260.6/20

+ sign 1346.488+/-0.191 χ^2/NDF: 1260472.7/38

All: 1343.265+/-0.136 χ^2/NDF: 2132144.0/78

- sign 1339.966+/-0.193 χ^2/NDF: 871093.5/39



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:23.0/22

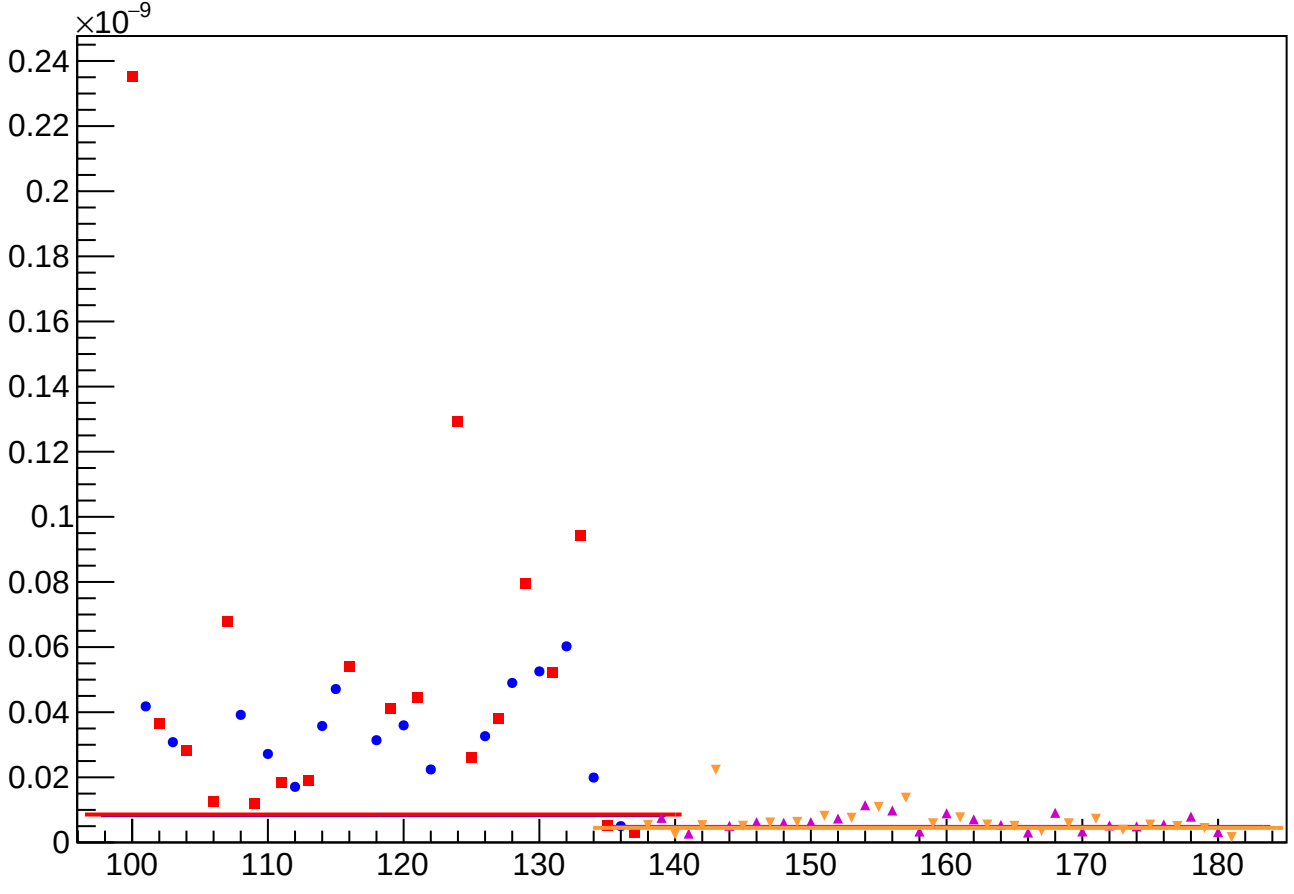
Right Out: 0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: 0.000+/-0.000 χ^2/NDF:25.3/20

+ sign 0.000+/-0.000 χ^2/NDF: 35.4/38

All: 0.000+/-0.000 χ^2/NDF: 84.6/78

- sign 0.000+/-0.000 χ^2/NDF: 48.7/39



Right In: 0.000+/-0.000 χ^2/NDF: 3059657.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2696144.1/22

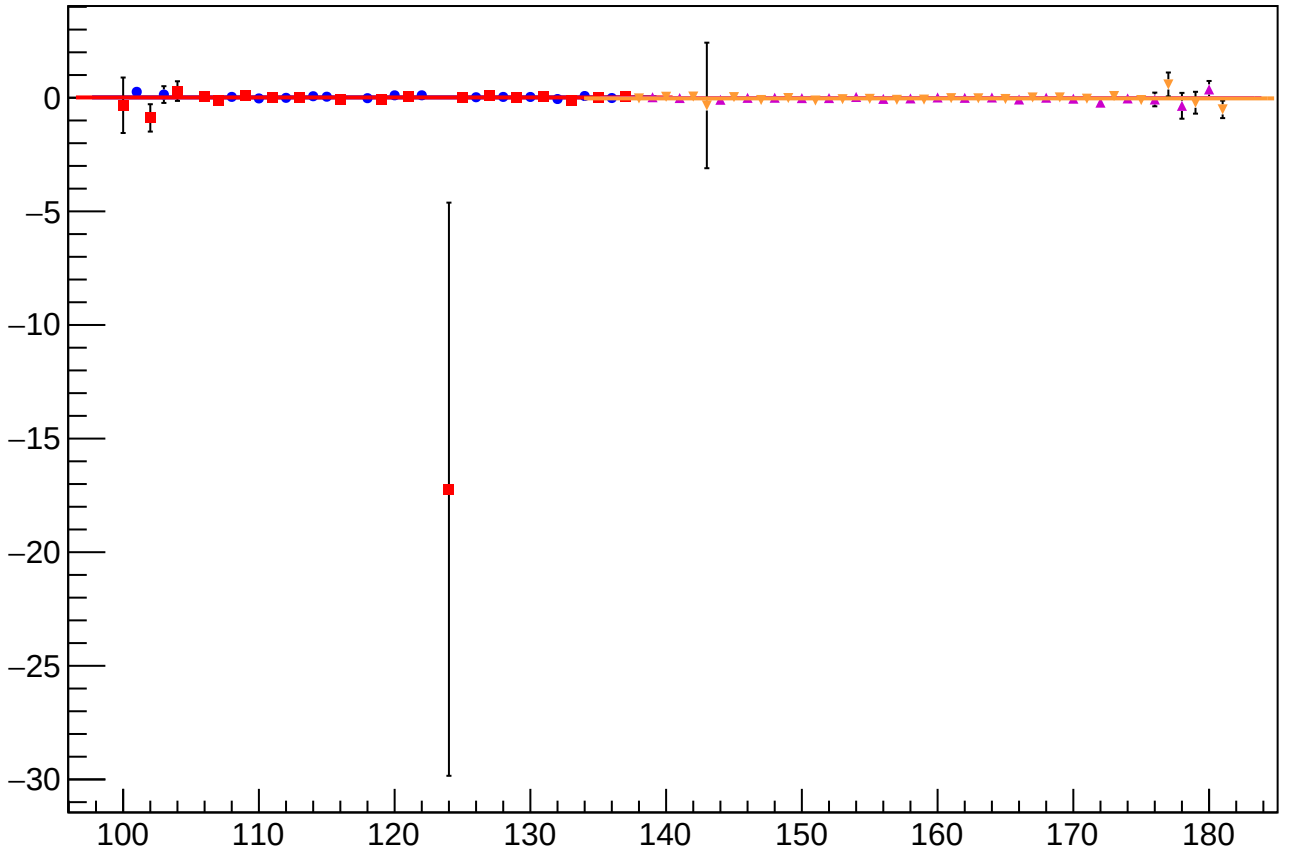
Right Out: 0.000+/-0.000 χ^2/NDF: 3348571.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1884560.7/20

+ sign 0.000+/-0.000 χ^2/NDF: 6273250.4/38

All: 0.000+/-0.000 χ^2/NDF: 11952149.0/78

- sign 0.000+/-0.000 χ^2/NDF: 5655587.4/39



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.028+/-0.010 χ^2/NDF:26.9/22

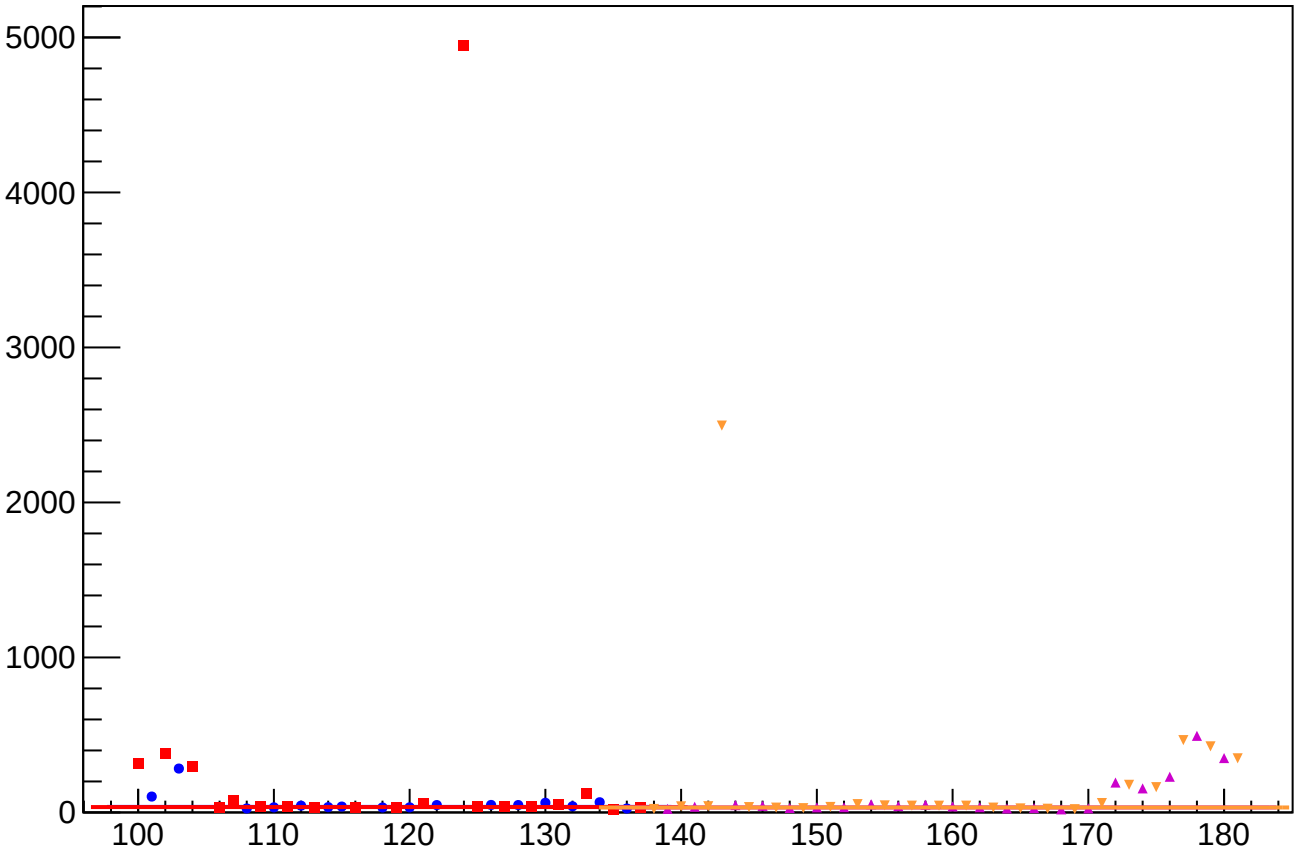
Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.011+/-0.010 χ^2/NDF:12.1/20

+ sign -0.015+/-0.008 χ^2/NDF: 44.3/38

All: -0.010+/-0.006 χ^2/NDF: 75.3/78

- sign -0.005+/-0.008 χ^2/NDF: 30.0/39



Right In: 35.742+/-0.011 χ^2/NDF: 2264790.8/15

Left Out: 32.169+/-0.007 χ^2/NDF:9393169.5/22

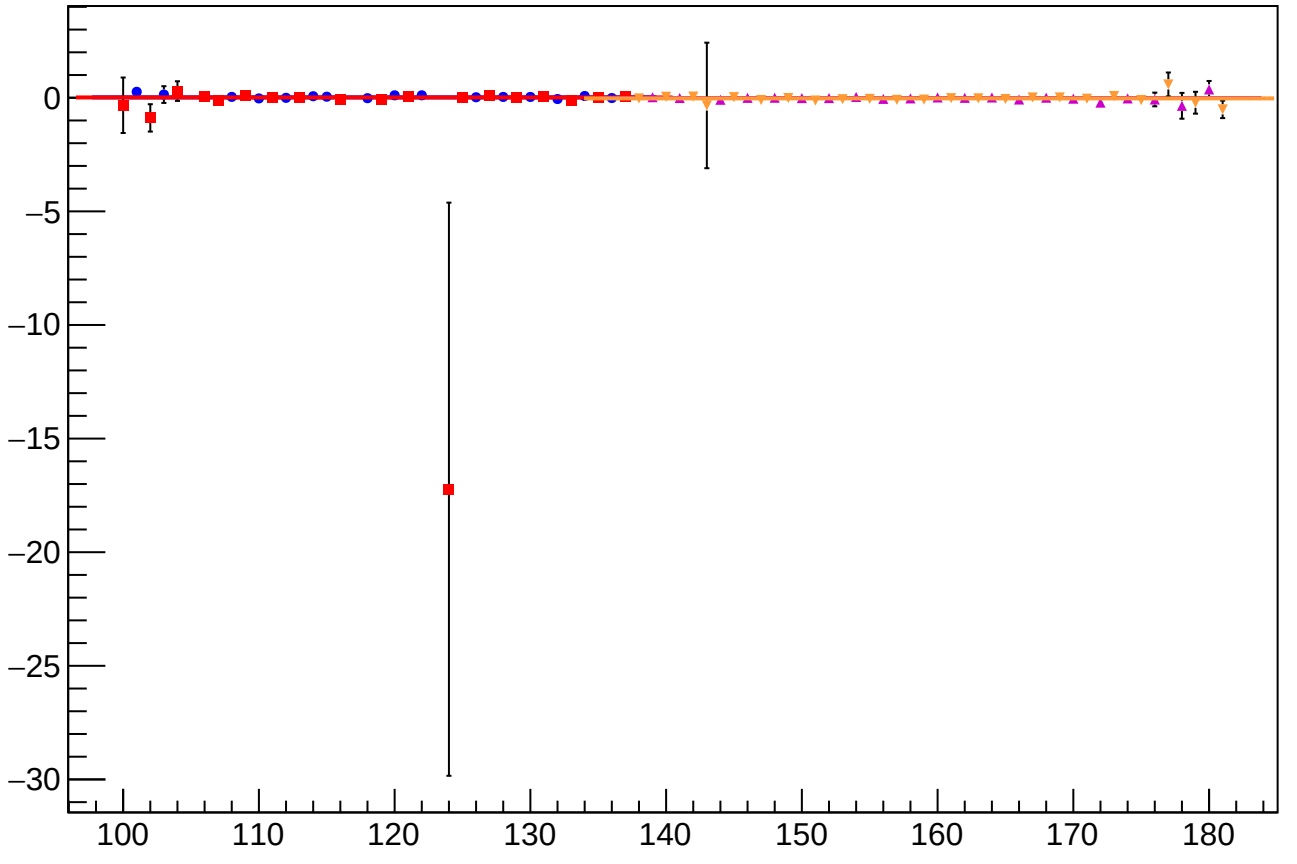
Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 32.368+/-0.007 χ^2/NDF:7423081.6/20

+ sign 33.153+/-0.006 χ^2/NDF: 11735490.5/38

All: 33.089+/-0.004 χ^2/NDF: 22108250.6/78

- sign 33.024+/-0.006 χ^2/NDF: 10372508.1/39



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.028+/-0.010 χ^2/NDF:26.9/22

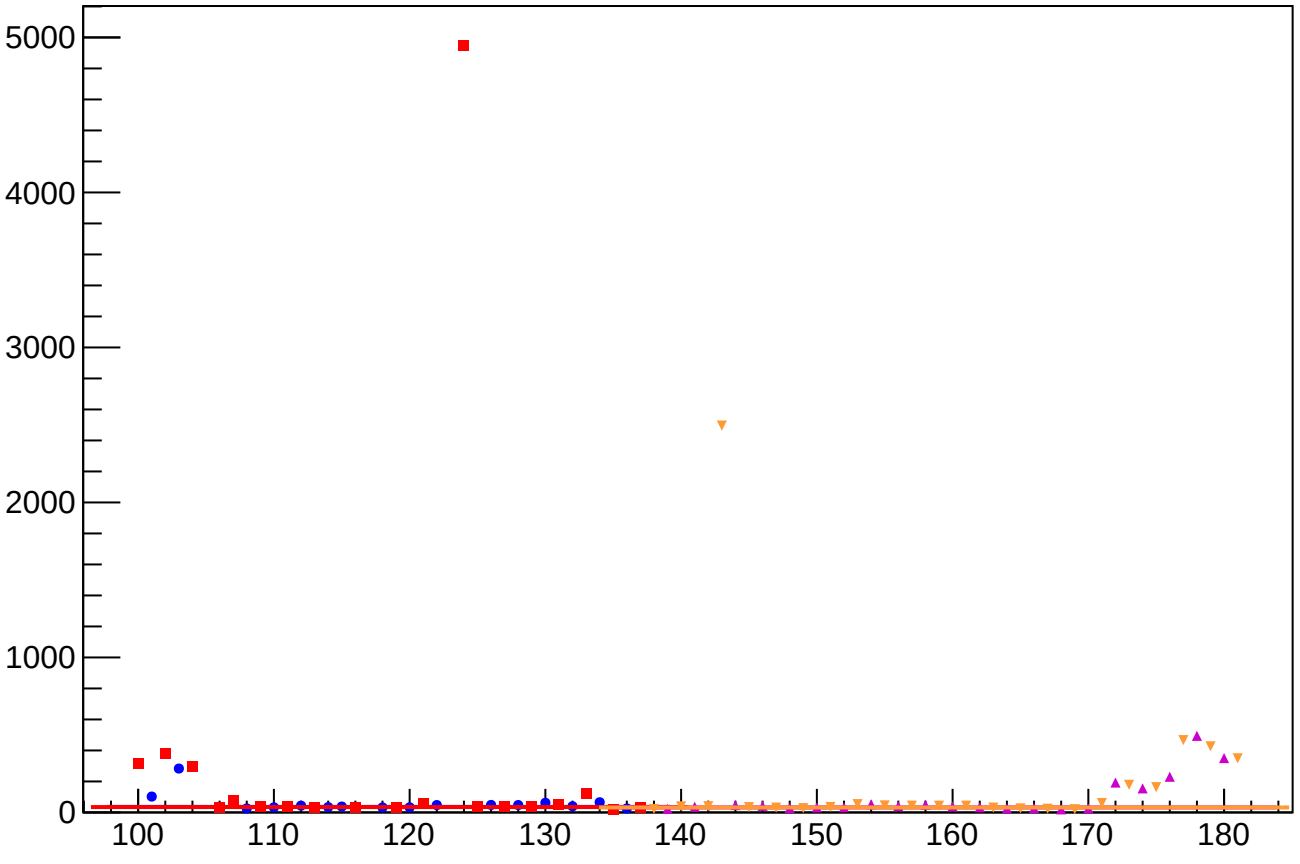
Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.011+/-0.010 χ^2/NDF:12.1/20

+ sign -0.015+/-0.008 χ^2/NDF: 44.3/38

All: -0.010+/-0.006 χ^2/NDF: 75.3/78

- sign -0.005+/-0.008 χ^2/NDF: 30.0/39



Right In: 35.742+/-0.011 χ^2/NDF: 2264790.8/15

Left Out: 32.169+/-0.007 χ^2/NDF:9393169.5/22

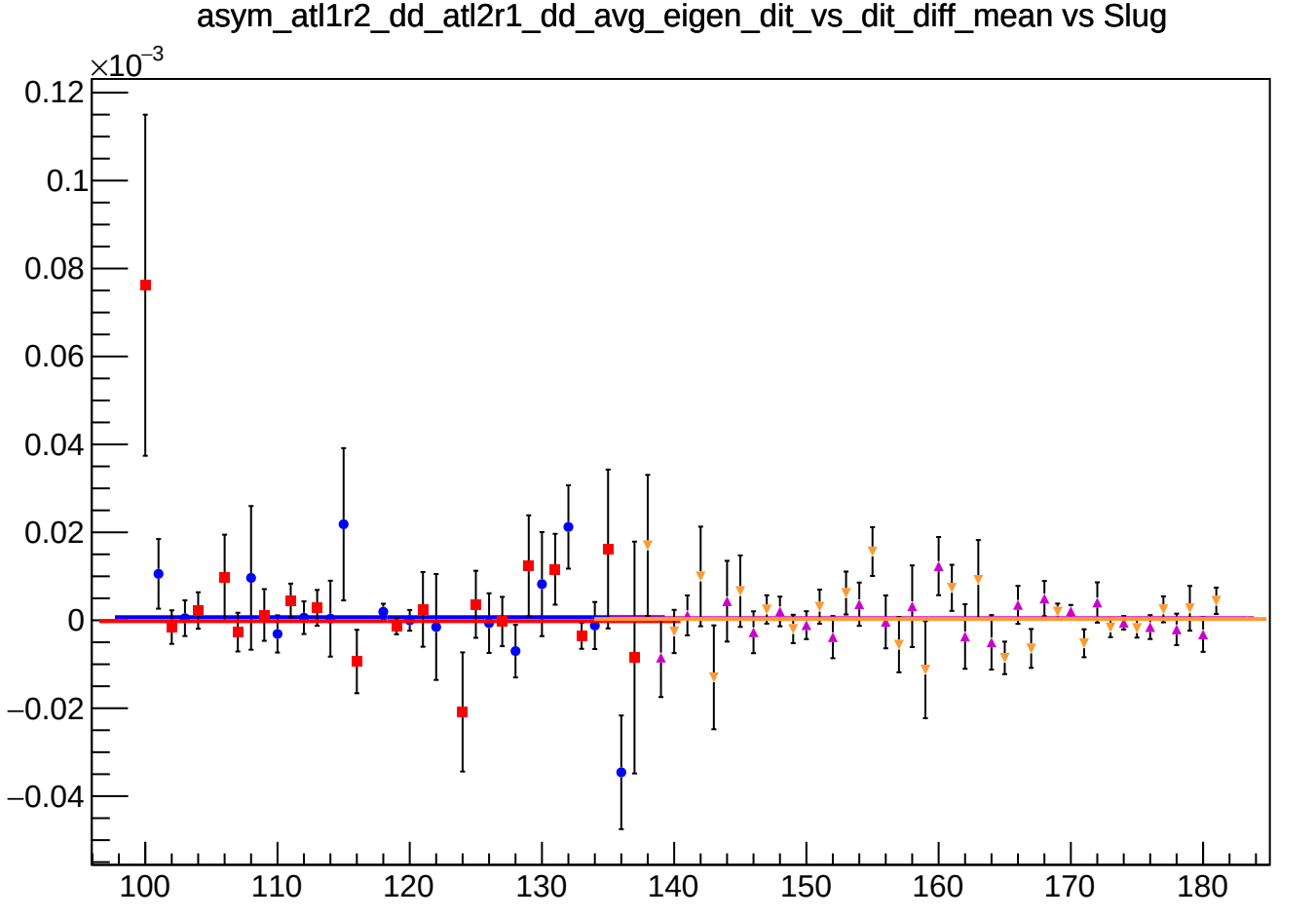
Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 32.368+/-0.007 χ^2/NDF:7423081.6/20

+ sign 33.153+/-0.006 χ^2/NDF: 11735490.5/38

All: 33.089+/-0.004 χ^2/NDF: 22108250.6/78

- sign 33.024+/-0.006 χ^2/NDF: 10372508.1/39



Right In: 0.000+/-0.000 χ^2/NDF: 19.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:35.6/22

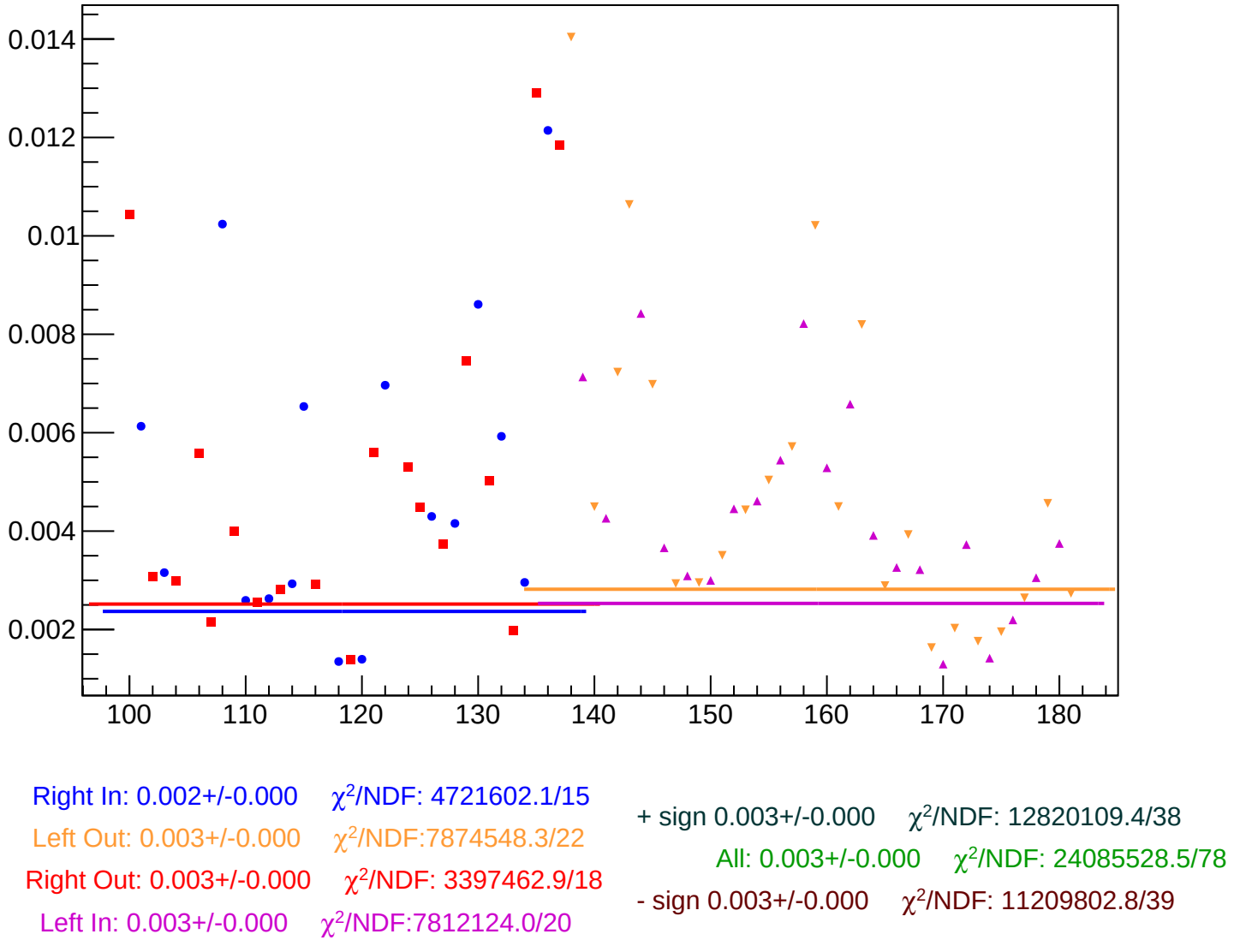
Right Out: -0.000+/-0.000 χ^2/NDF: 18.1/18

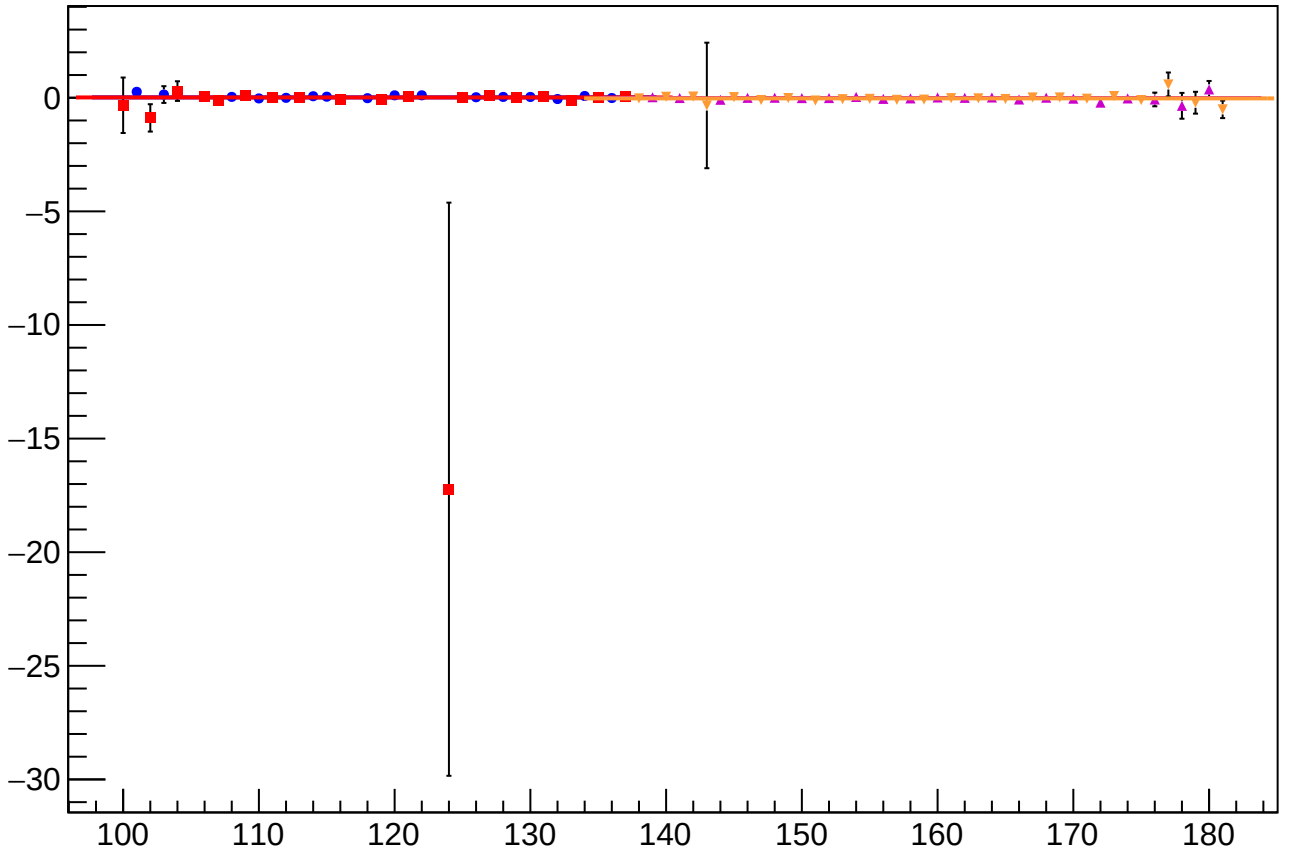
Left In: 0.000+/-0.000 χ^2/NDF:13.6/20

+ sign 0.000+/-0.000 χ^2/NDF: 54.7/38

All: 0.000+/-0.000 χ^2/NDF: 86.8/78

- sign 0.000+/-0.000 χ^2/NDF: 32.0/39


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:7874548.3/22
Right Out: 0.003+/-0.000 χ²/NDF: 3397462.9/18
Left In: 0.003+/-0.000 χ²/NDF:7812124.0/20
+ sign 0.003+/-0.000 χ²/NDF: 12820109.4/38
All: 0.003+/-0.000 χ²/NDF: 24085528.5/78
- sign 0.003+/-0.000 χ²/NDF: 11209802.8/39



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.028+/-0.010 χ^2/NDF:26.9/22

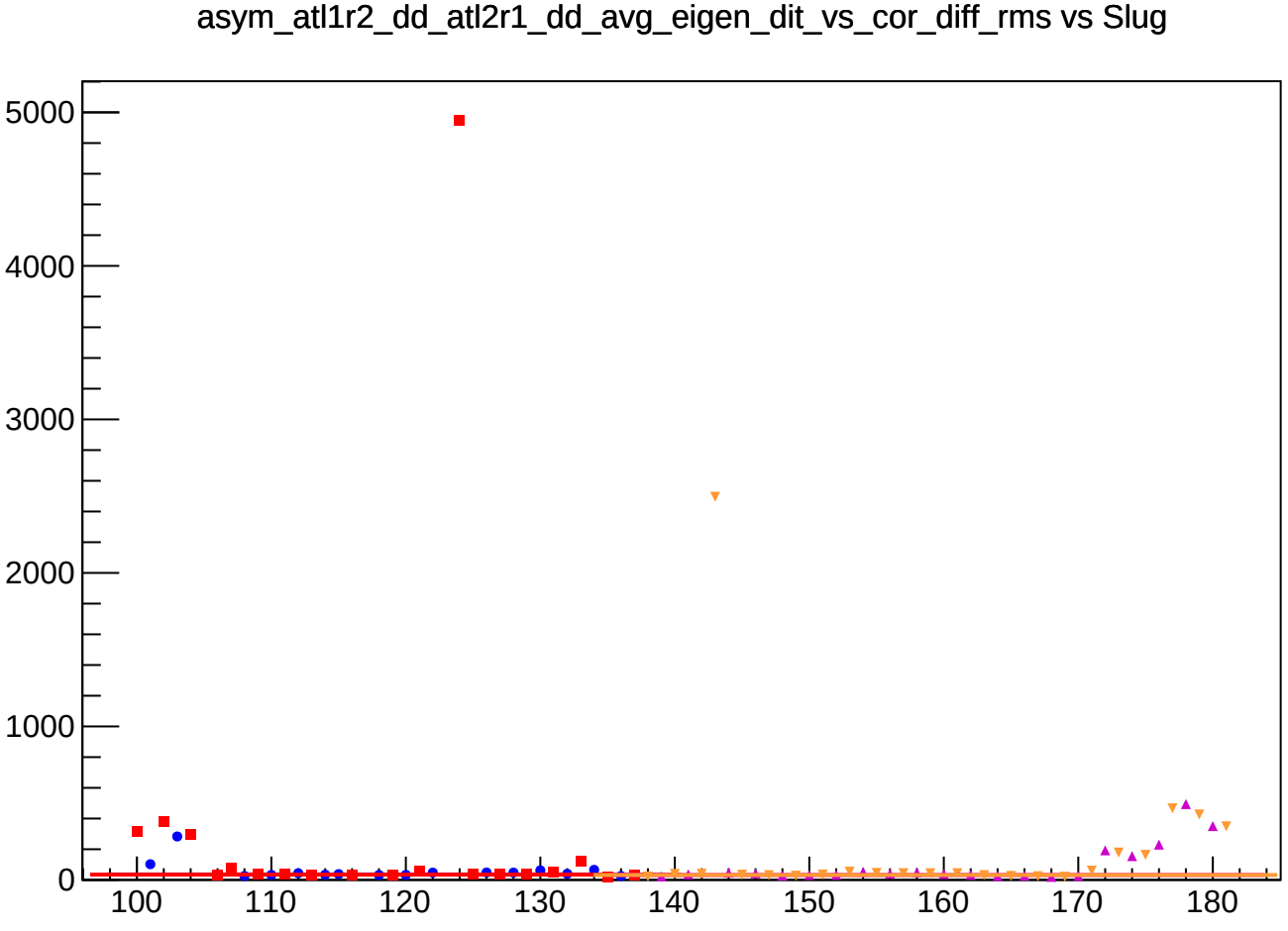
Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.011+/-0.010 χ^2/NDF:12.1/20

+ sign -0.015+/-0.008 χ^2/NDF: 44.3/38

All: -0.010+/-0.006 χ^2/NDF: 75.3/78

- sign -0.005+/-0.008 χ^2/NDF: 30.0/39



Right In: 35.743+/-0.011 χ^2/NDF: 2264513.9/15

Left Out: 32.168+/-0.007 χ^2/NDF:9393423.6/22

Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

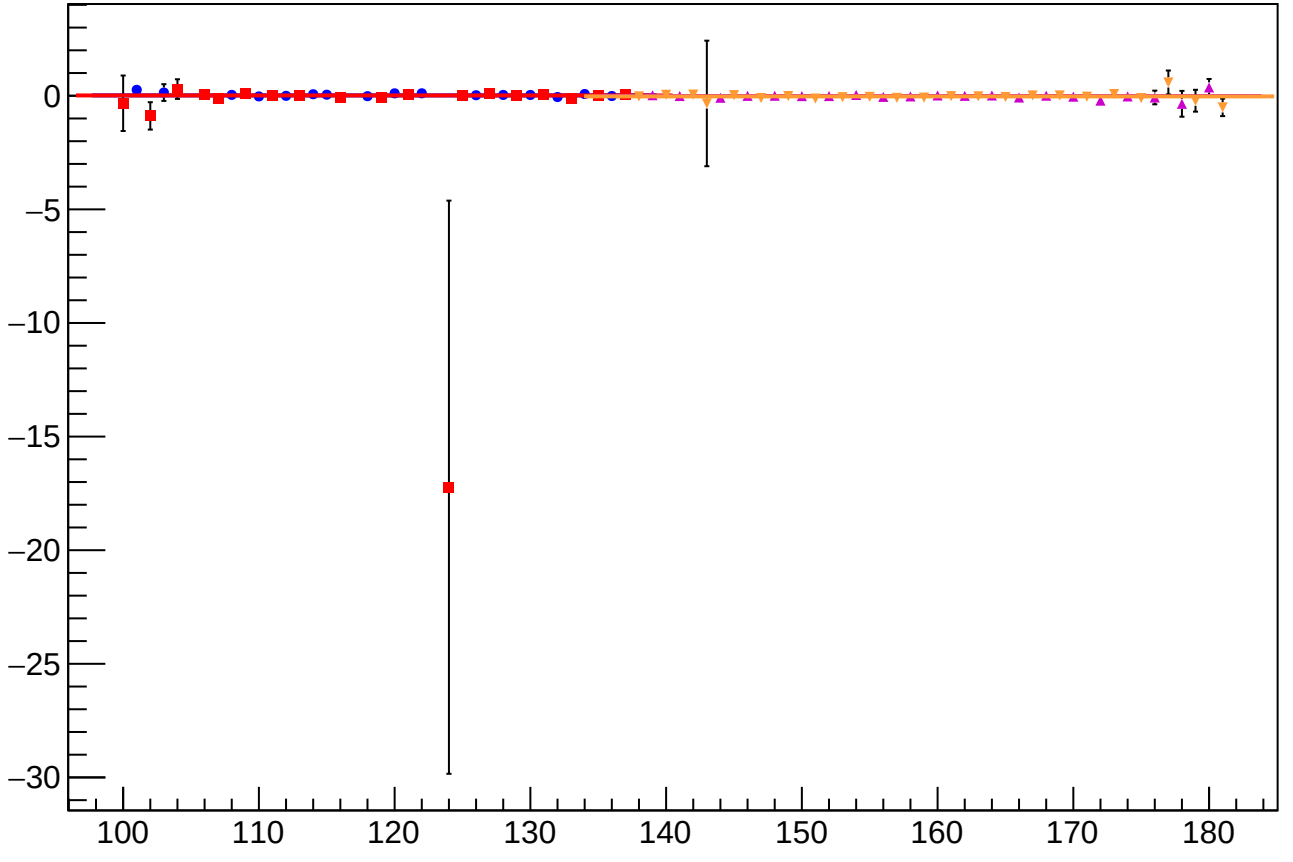
Left In: 32.366+/-0.007 χ^2/NDF:7423692.4/20

+ sign 33.153+/-0.006 χ^2/NDF: 11735539.9/38

All: 33.089+/-0.004 χ^2/NDF: 22108804.4/78

- sign 33.024+/-0.006 χ^2/NDF: 10373008.7/39

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: -0.028+/-0.010 χ^2/NDF:26.9/22

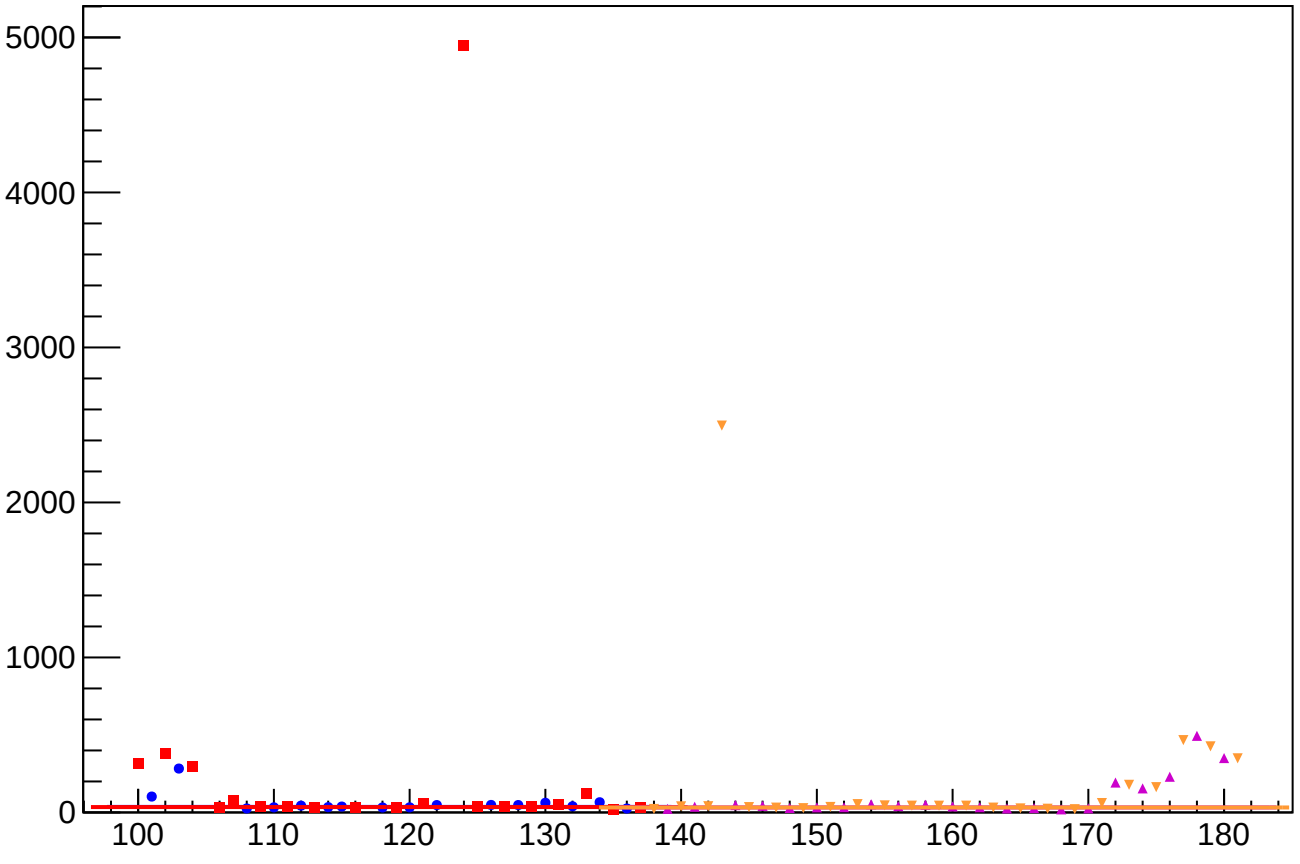
Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.011+/-0.010 χ^2/NDF:12.1/20

+ sign -0.015+/-0.008 χ^2/NDF: 44.3/38

All: -0.010+/-0.006 χ^2/NDF: 75.3/78

- sign -0.005+/-0.008 χ^2/NDF: 30.0/39



Right In: 35.743+/-0.011 χ^2/NDF: 2264513.9/15

Left Out: 32.168+/-0.007 χ^2/NDF:9393423.6/22

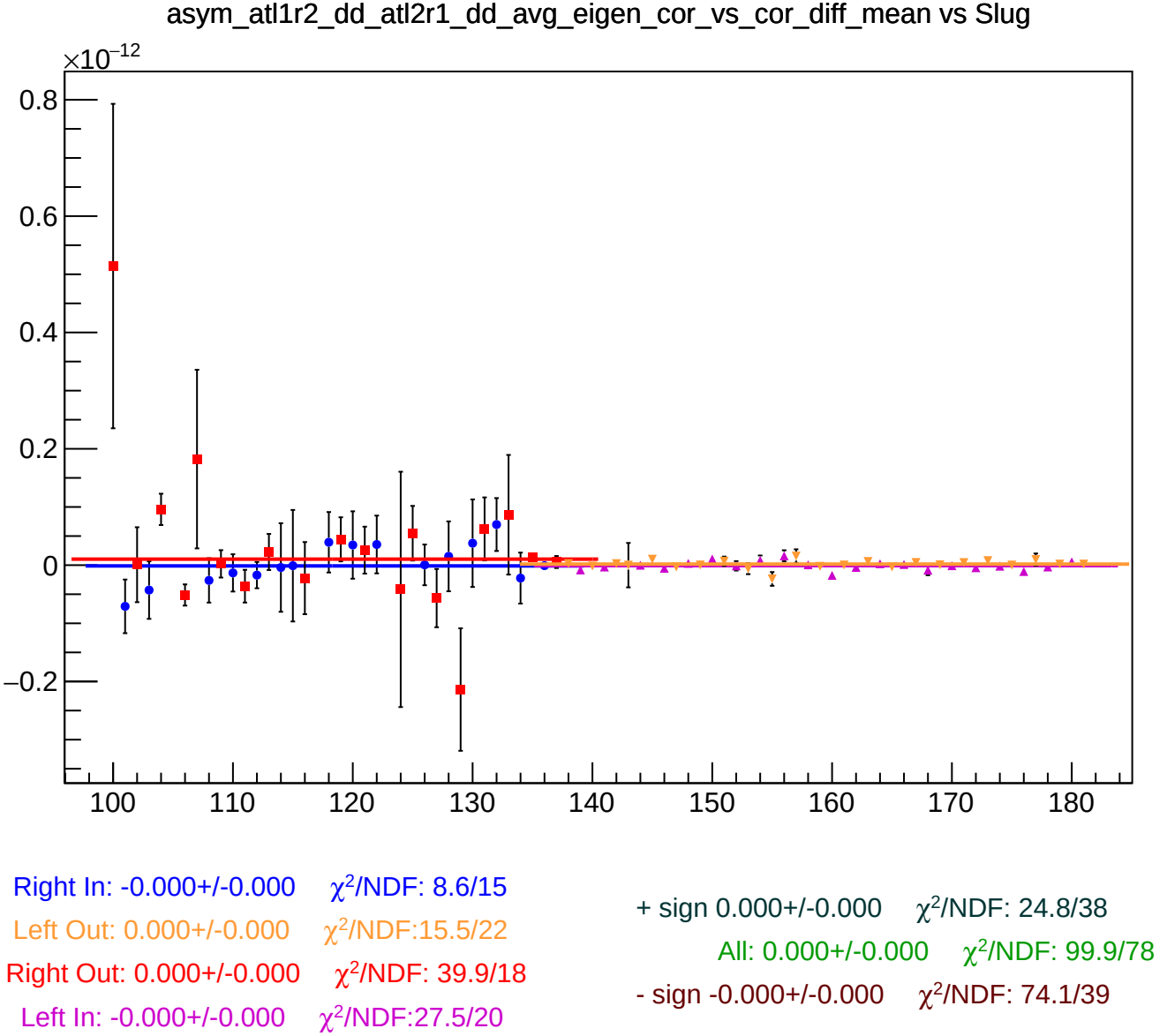
Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

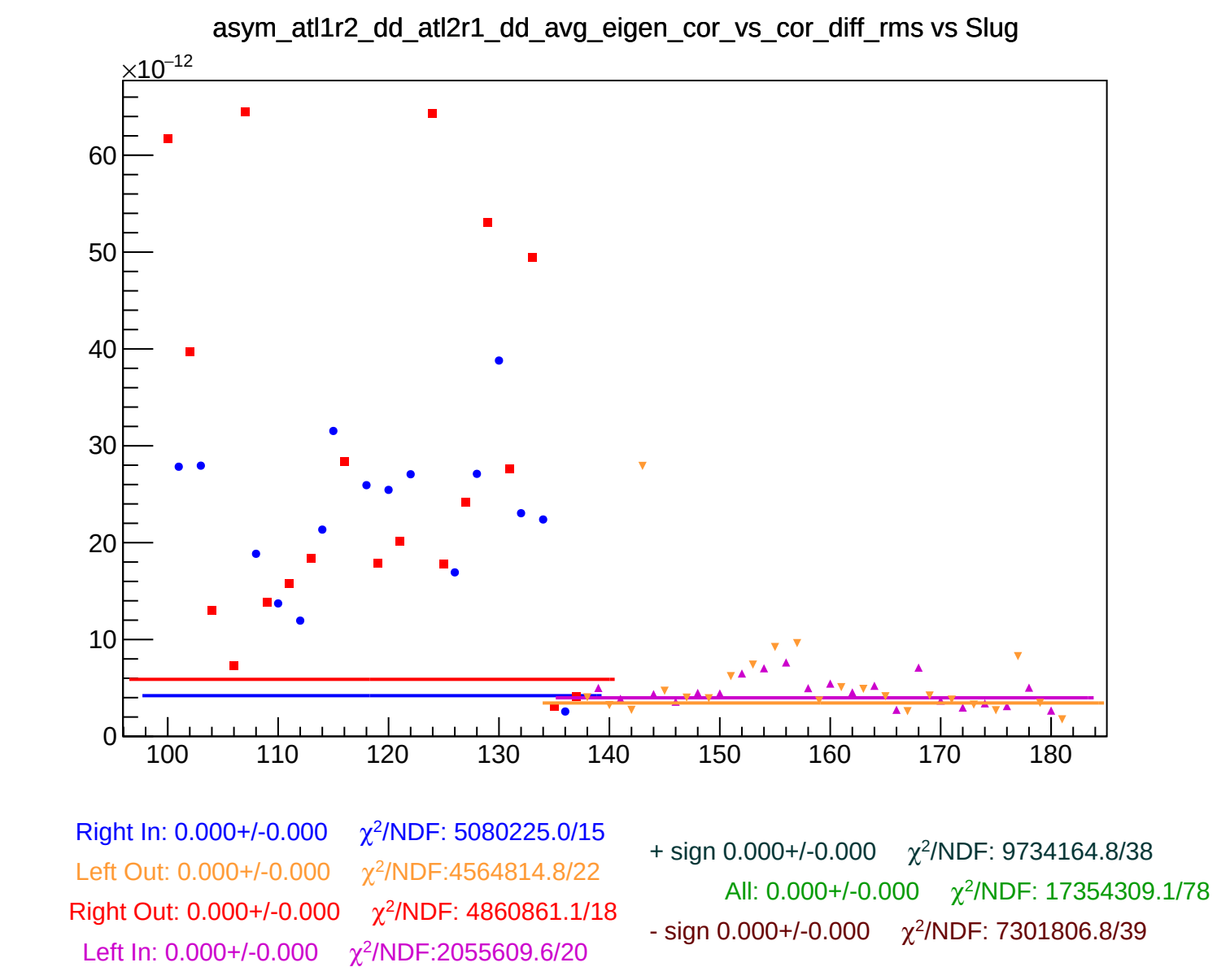
Left In: 32.366+/-0.007 χ^2/NDF:7423692.4/20

+ sign 33.153+/-0.006 χ^2/NDF: 11735539.9/38

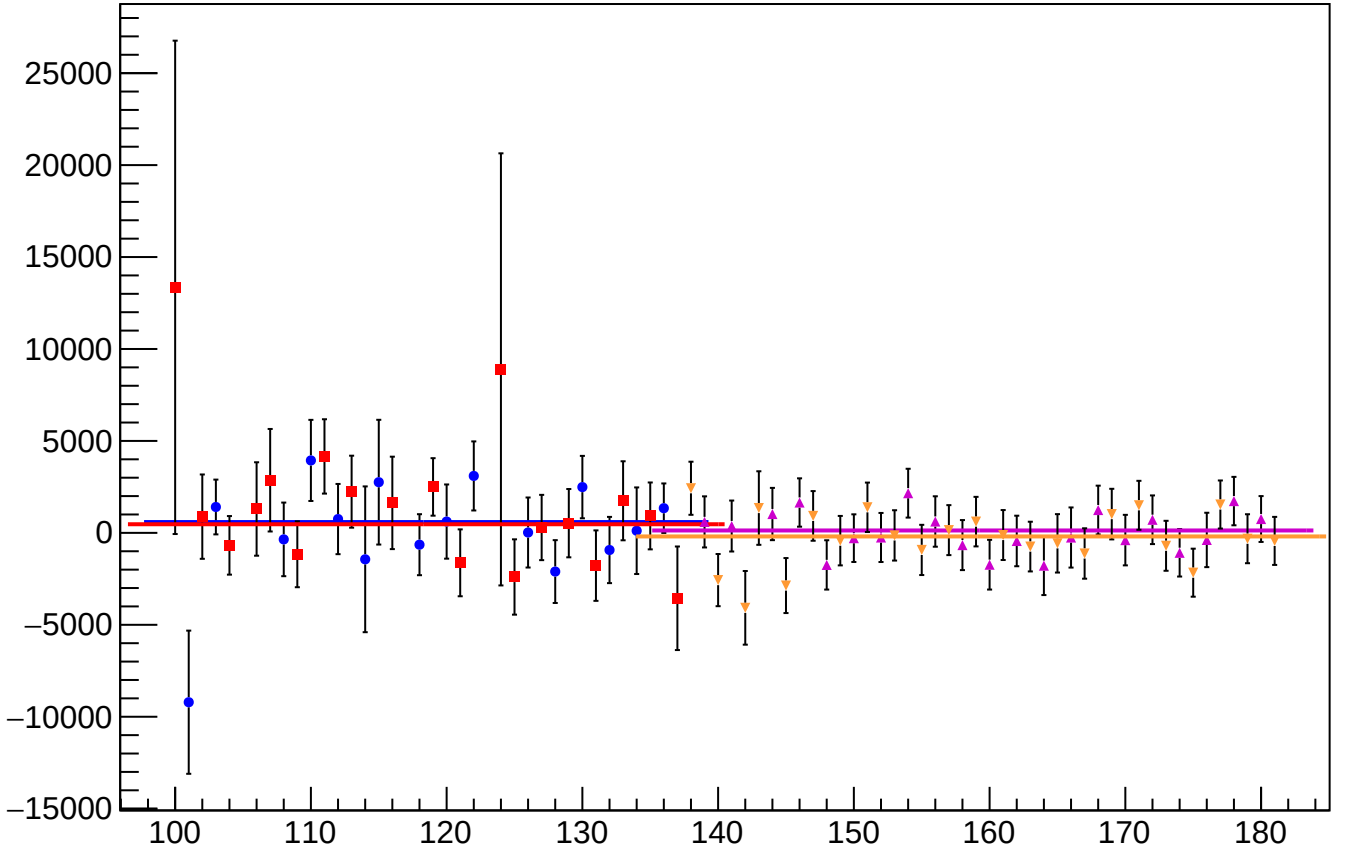
All: 33.089+/-0.004 χ^2/NDF: 22108804.4/78

- sign 33.024+/-0.006 χ^2/NDF: 10373008.7/39


asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
0.8
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: 8.6/15
Left Out: 0.000+/-0.000 χ²/NDF:15.5/22
Right Out: 0.000+/-0.000 χ²/NDF: 39.9/18
Left In: -0.000+/-0.000 χ²/NDF:27.5/20
+ sign 0.000+/-0.000 χ²/NDF: 24.8/38
All: 0.000+/-0.000 χ²/NDF: 99.9/78
- sign -0.000+/-0.000 χ²/NDF: 74.1/39


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:4564814.8/22
Right Out: 0.000+/-0.000 χ²/NDF: 4860861.1/18
Left In: 0.000+/-0.000 χ²/NDF:2055609.6/20
+ sign 0.000+/-0.000 χ²/NDF: 9734164.8/38
All: 0.000+/-0.000 χ²/NDF: 17354309.1/78
- sign 0.000+/-0.000 χ²/NDF: 7301806.8/39

reg_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 586.935+/-482.434 χ^2/NDF: 17.1/15

Left Out: -194.419+/-292.158 χ^2/NDF:23.8/22

Right Out: 469.012+/-480.516 χ^2/NDF: 16.9/18

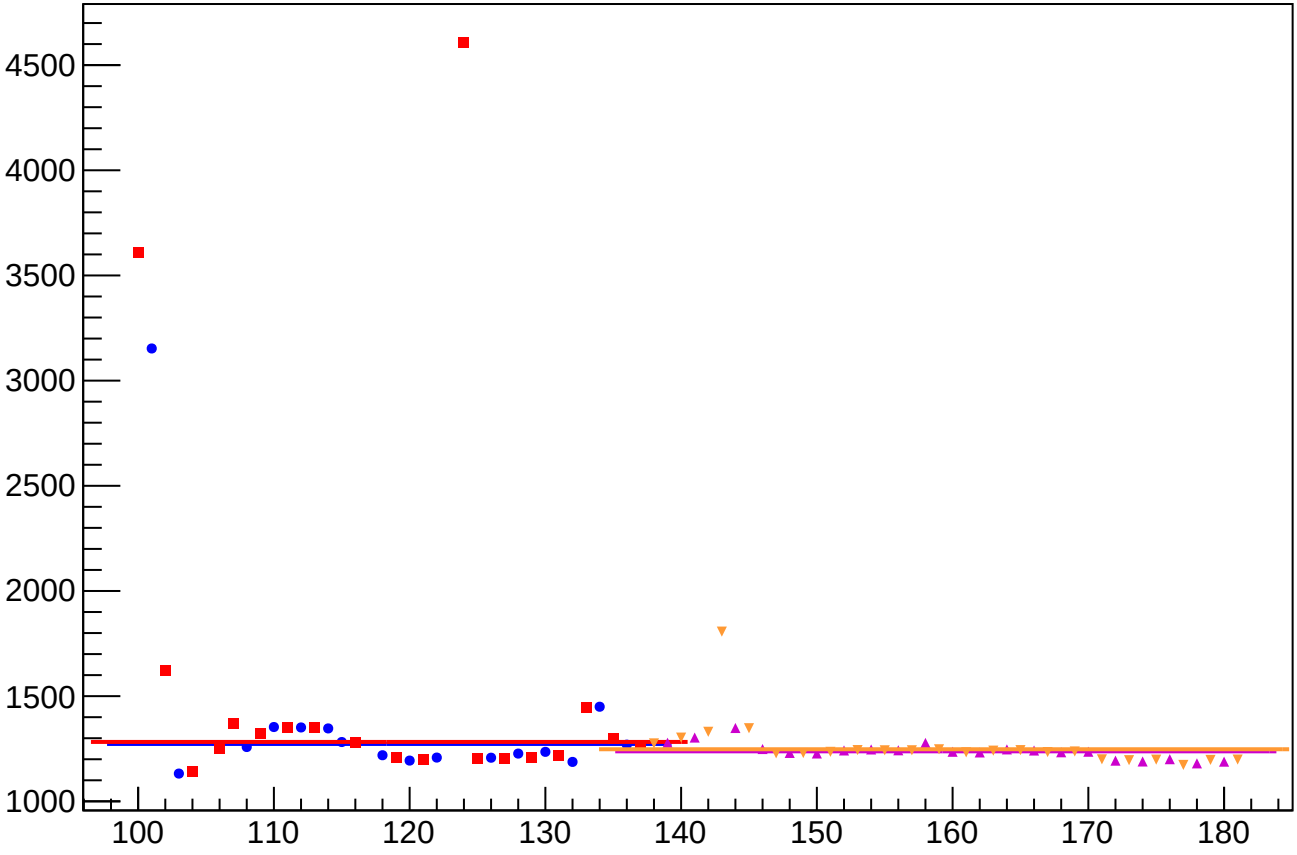
Left In: 130.678+/-298.110 χ^2/NDF:14.1/20

+ sign 15.244+/-249.905 χ^2/NDF: 42.8/38

All: 118.555+/-177.904 χ^2/NDF: 74.4/78

- sign 224.708+/-253.319 χ^2/NDF: 31.3/39

reg_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1272.804+/-0.341 χ^2/NDF: 519298.2/15

Left Out: 1247.563+/-0.207 χ^2/NDF:194718.0/22

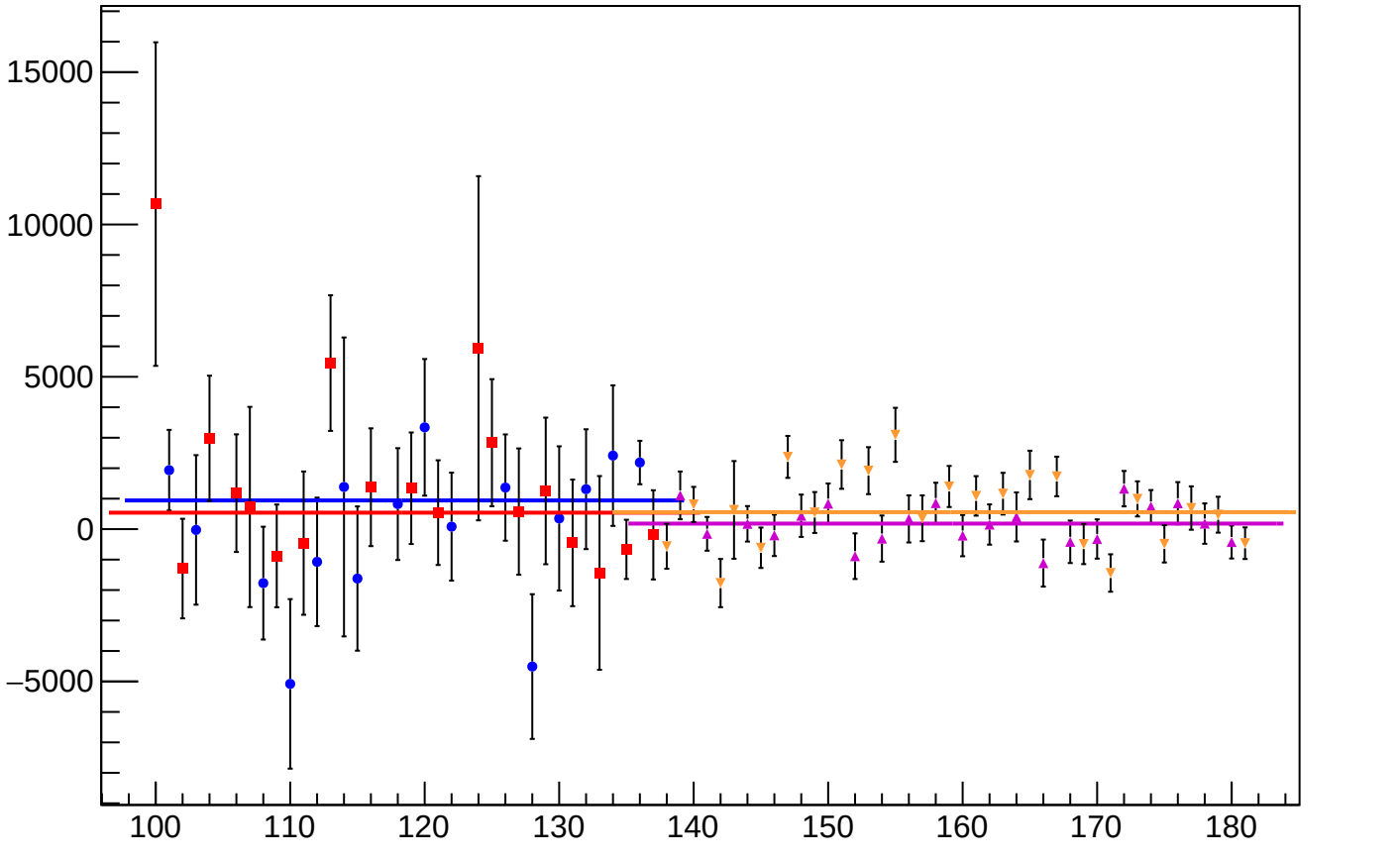
Right Out: 1282.365+/-0.340 χ^2/NDF: 322078.6/18

Left In: 1237.704+/-0.211 χ^2/NDF:33897.0/20

+ sign 1254.336+/-0.177 χ^2/NDF: 718021.9/38

All: 1252.255+/-0.126 χ^2/NDF: 1086754.4/78

- sign 1250.116+/-0.179 χ^2/NDF: 368451.3/39



Right In: 941.759+/-425.837 χ^2/NDF: 19.9/15

Left Out: 556.906+/-142.043 χ^2/NDF:65.5/22

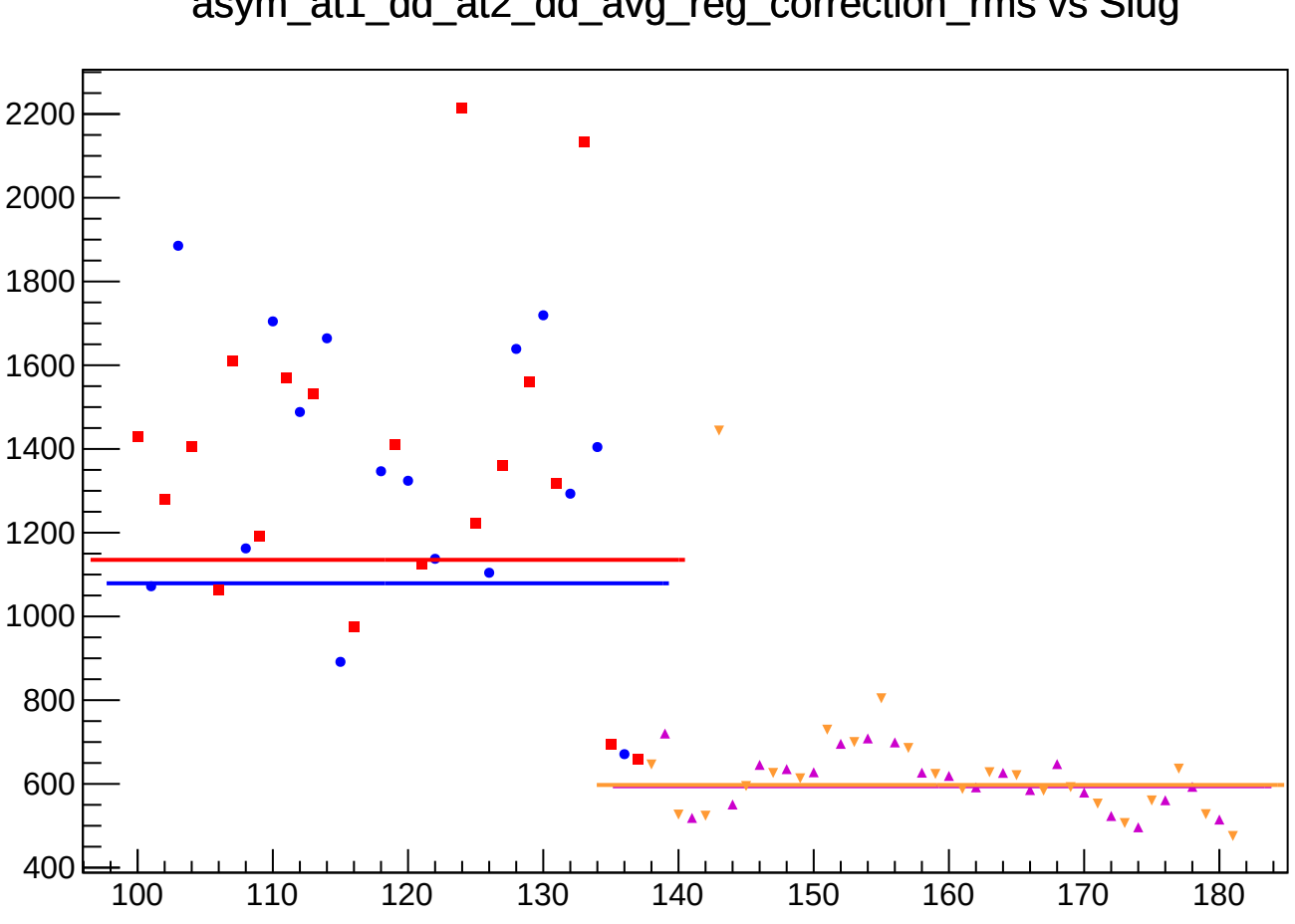
Right Out: 540.622+/-439.905 χ^2/NDF: 17.2/18

Left In: 181.815+/-144.242 χ^2/NDF:18.4/20

+ sign 595.439+/-134.744 χ^2/NDF: 86.1/38

All: 409.273+/-96.088 χ^2/NDF: 126.2/78

- sign 216.647+/-137.062 χ^2/NDF: 36.2/39



Right In: 1079.120+/-0.301 χ^2/NDF: 1482232.0/15

Left Out: 597.476+/-0.100 χ^2/NDF:1066558.4/22

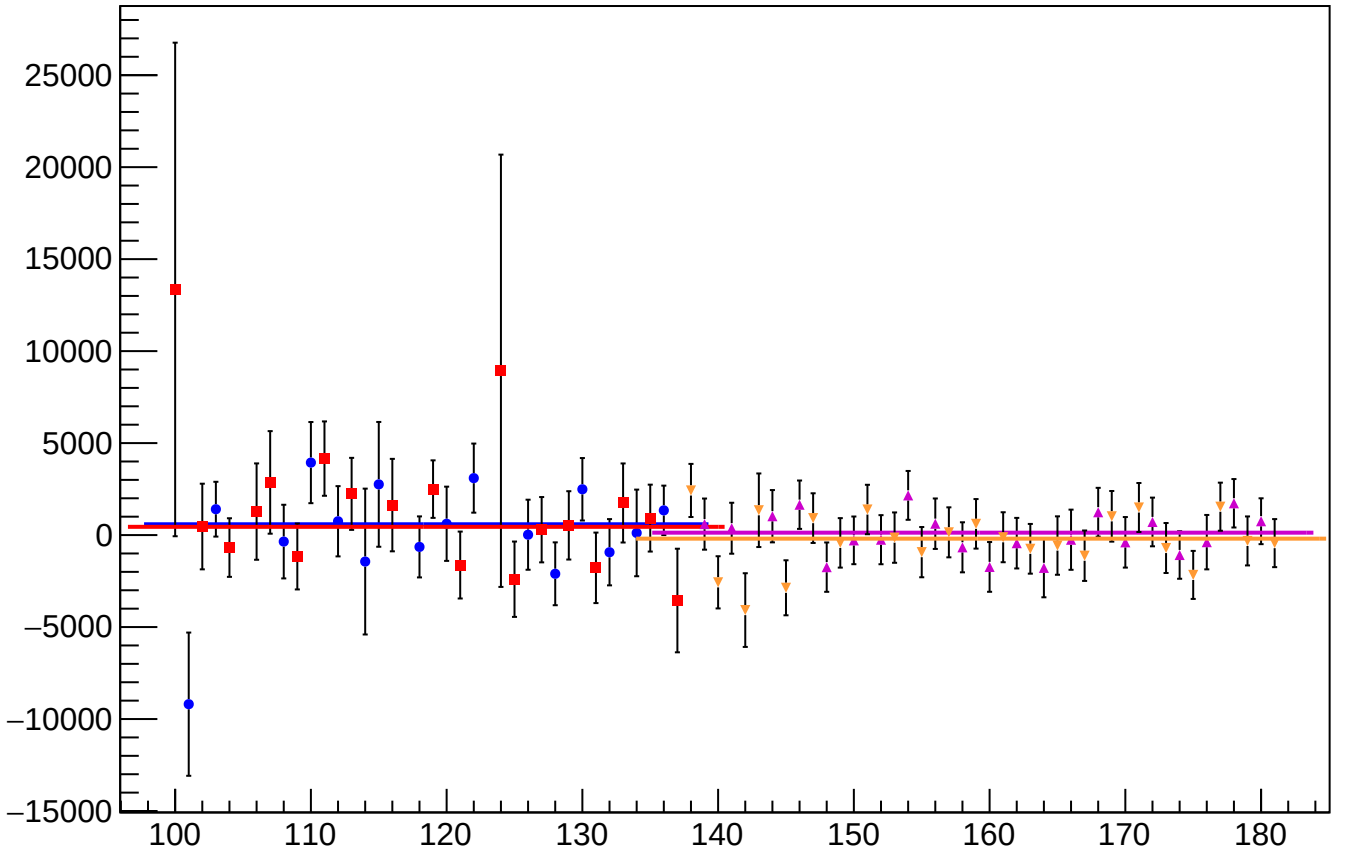
Right Out: 1135.161+/-0.311 χ^2/NDF: 1293082.2/18

Left In: 594.333+/-0.102 χ^2/NDF:409041.5/20

+ sign 645.700+/-0.095 χ^2/NDF: 4851179.3/38

All: 646.257+/-0.068 χ^2/NDF: 9282864.1/78

- sign 646.835+/-0.097 χ^2/NDF: 4431615.1/39



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -194.468+/-292.158 χ^2/NDF:23.8/22

Right Out: 448.412+/-481.333 χ^2/NDF: 16.8/18

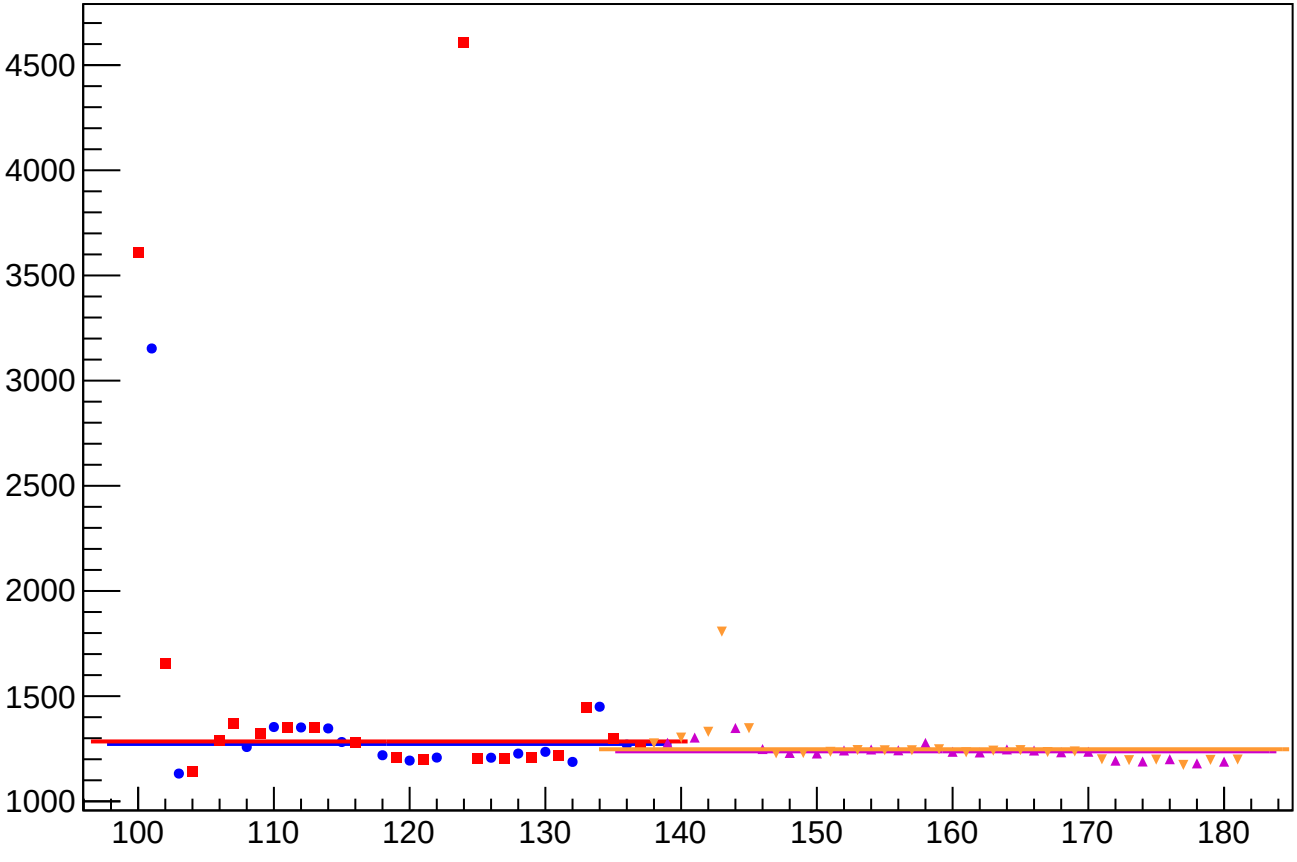
Left In: 130.707+/-298.110 χ^2/NDF:14.1/20

\+ sign 15.294+/-249.905 χ^2/NDF: 42.7/38

All: 115.612+/-177.946 χ^2/NDF: 74.3/78

\- sign 218.788+/-253.439 χ^2/NDF: 31.3/39

cor_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1247.563+/-0.207 χ^2/NDF:194718.0/22

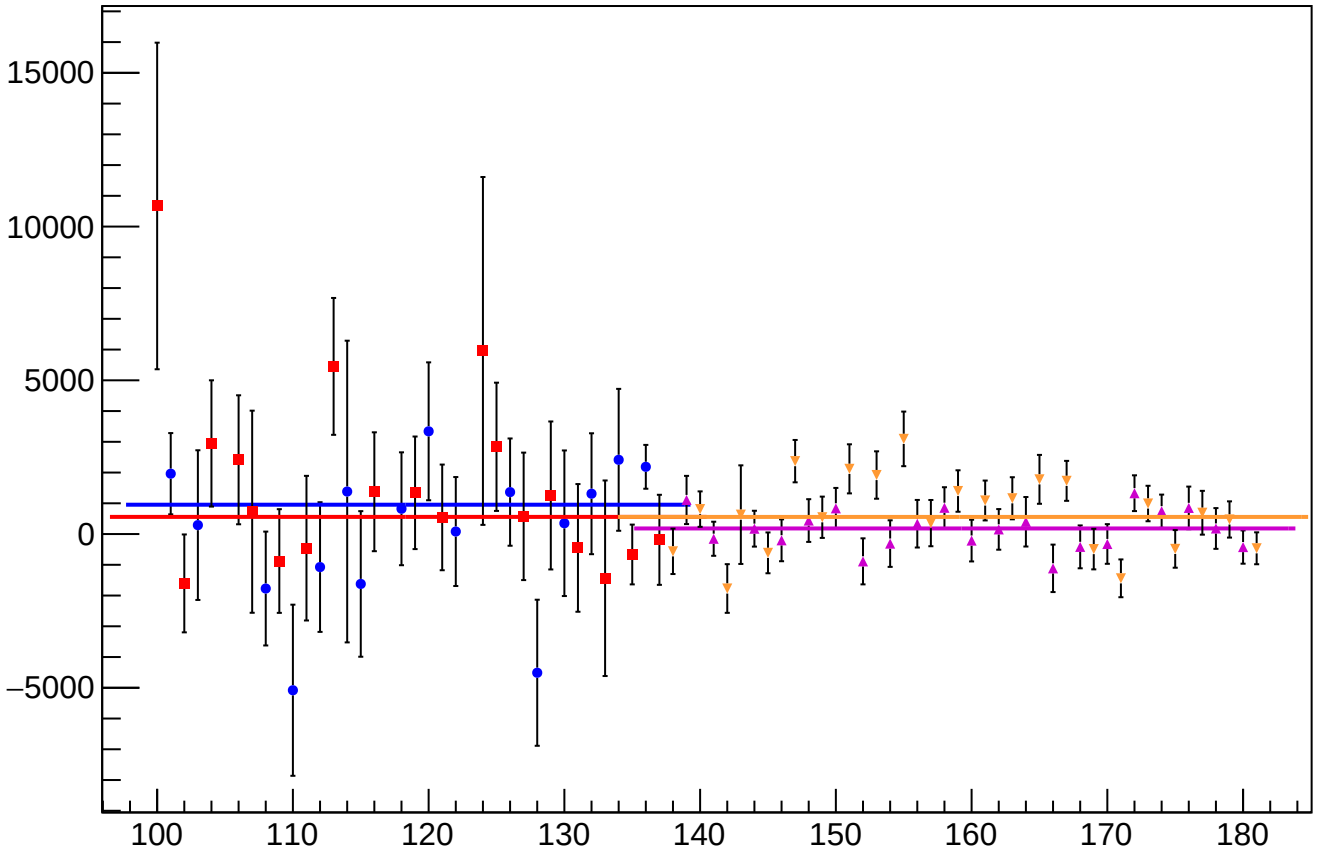
Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1237.704+/-0.211 χ^2/NDF:33897.0/20

+ sign 1254.336+/-0.177 χ^2/NDF: 718023.2/38

All: 1252.554+/-0.126 χ^2/NDF: 1094615.1/78

- sign 1250.720+/-0.179 χ^2/NDF: 376385.5/39



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 556.880+/-142.044 χ^2/NDF:65.5/22

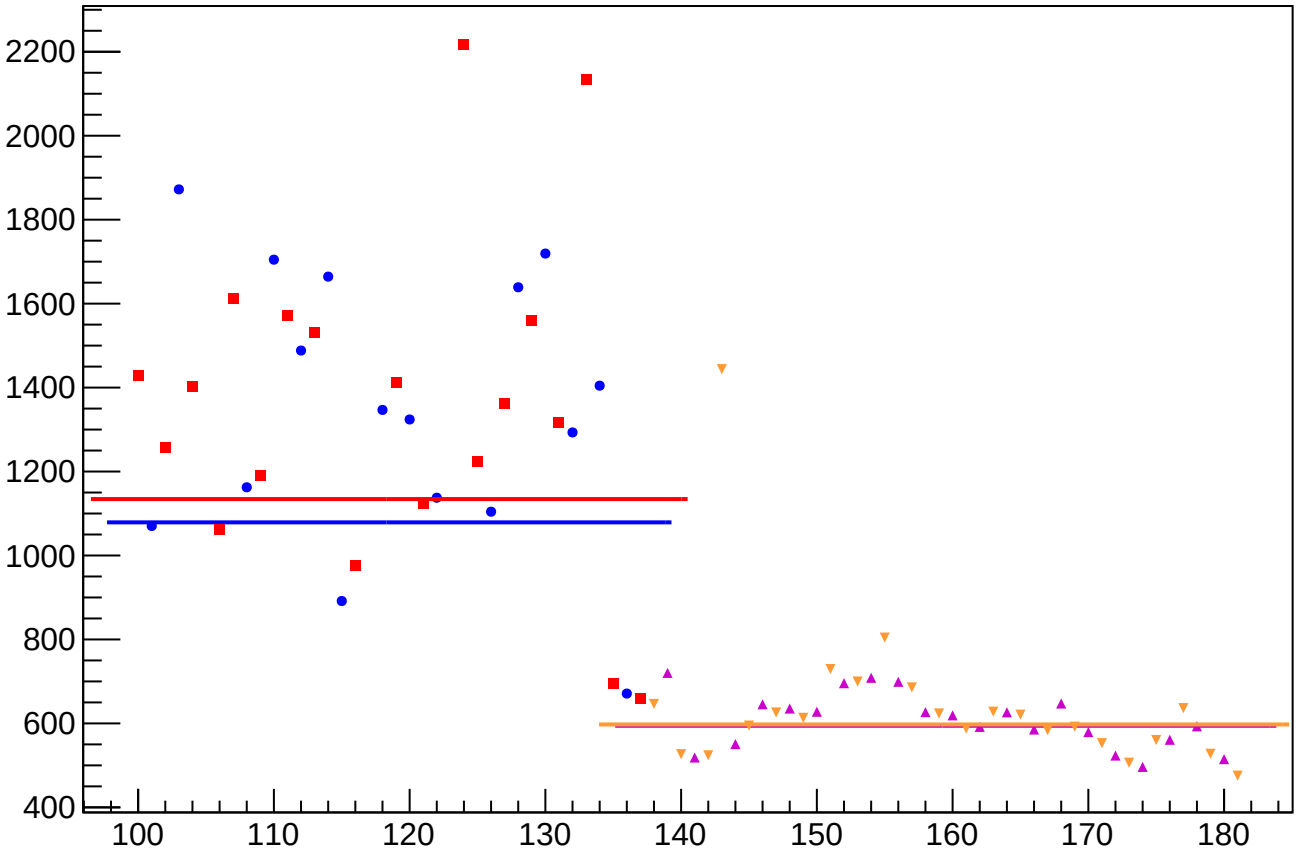
Right Out: 557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: 181.785+/-144.242 χ^2/NDF:18.4/20

+ sign 596.686+/-134.740 χ^2/NDF: 86.1/38

All: 410.699+/-96.095 χ^2/NDF: 127.5/78

- sign 218.173+/-137.087 χ^2/NDF: 37.5/39



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 597.480+/-0.100 χ^2/NDF:1066475.2/22

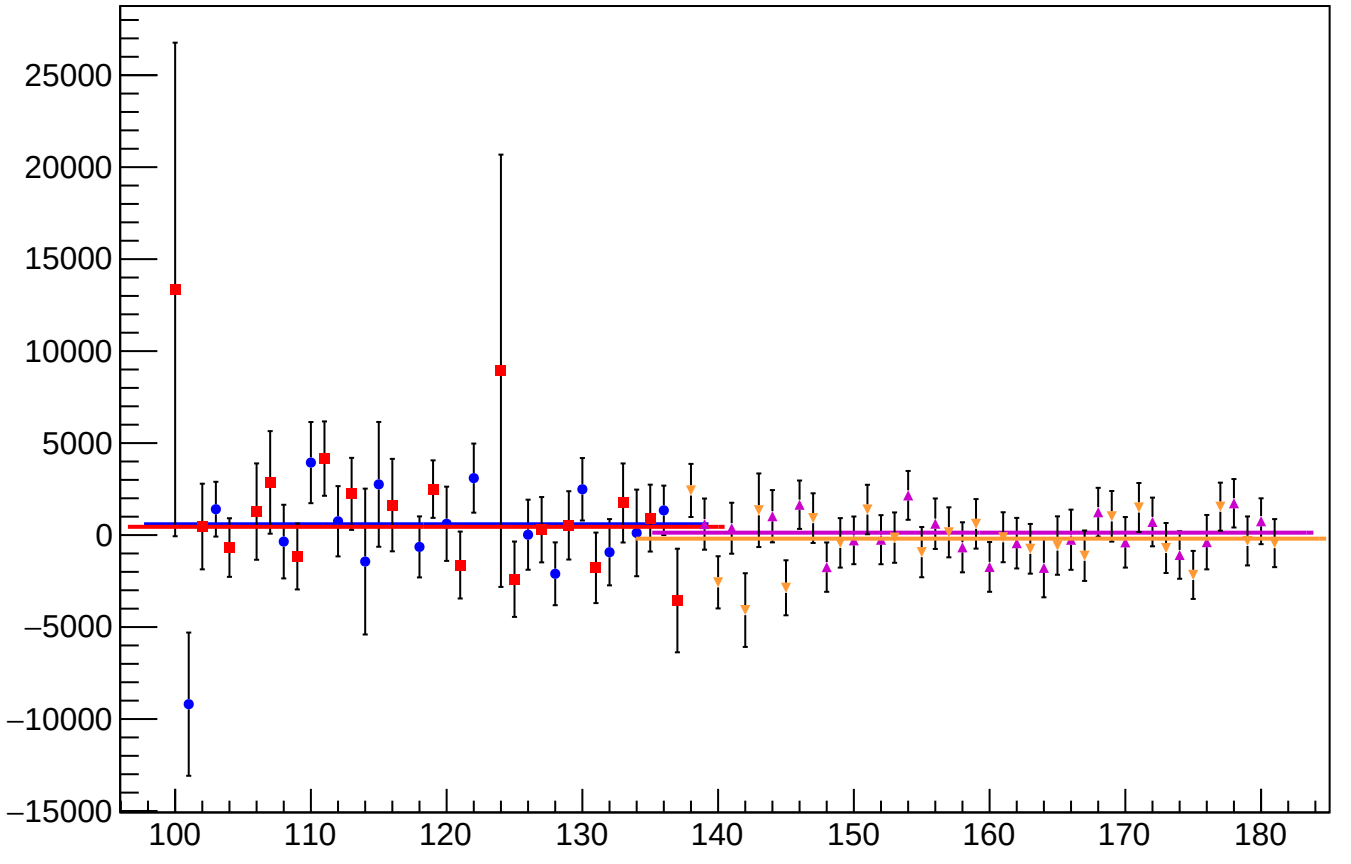
Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 594.330+/-0.102 χ^2/NDF:409059.0/20

\+ sign 645.721+/-0.095 χ^2/NDF: 4847462.5/38

All: 646.142+/-0.068 χ^2/NDF: 9258081.3/78

\- sign 646.577+/-0.097 χ^2/NDF: 4410579.2/39



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -194.468+/-292.158 χ^2/NDF:23.8/22

Right Out: 448.412+/-481.333 χ^2/NDF: 16.8/18

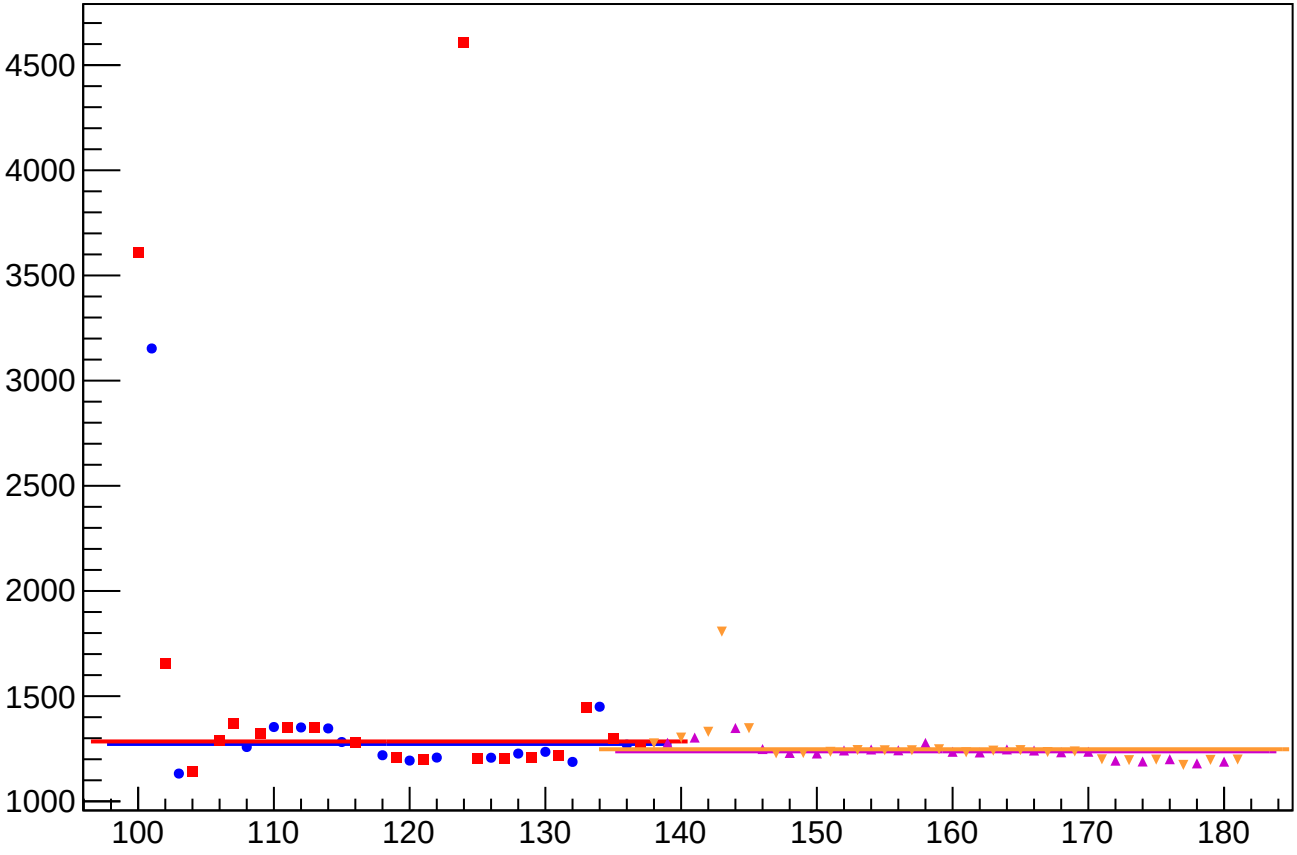
Left In: 130.707+/-298.110 χ^2/NDF:14.1/20

\+ sign 15.294+/-249.905 χ^2/NDF: 42.7/38

All: 115.612+/-177.946 χ^2/NDF: 74.3/78

\- sign 218.788+/-253.439 χ^2/NDF: 31.3/39

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: 1247.563+/-0.207 χ^2/NDF:194718.0/22

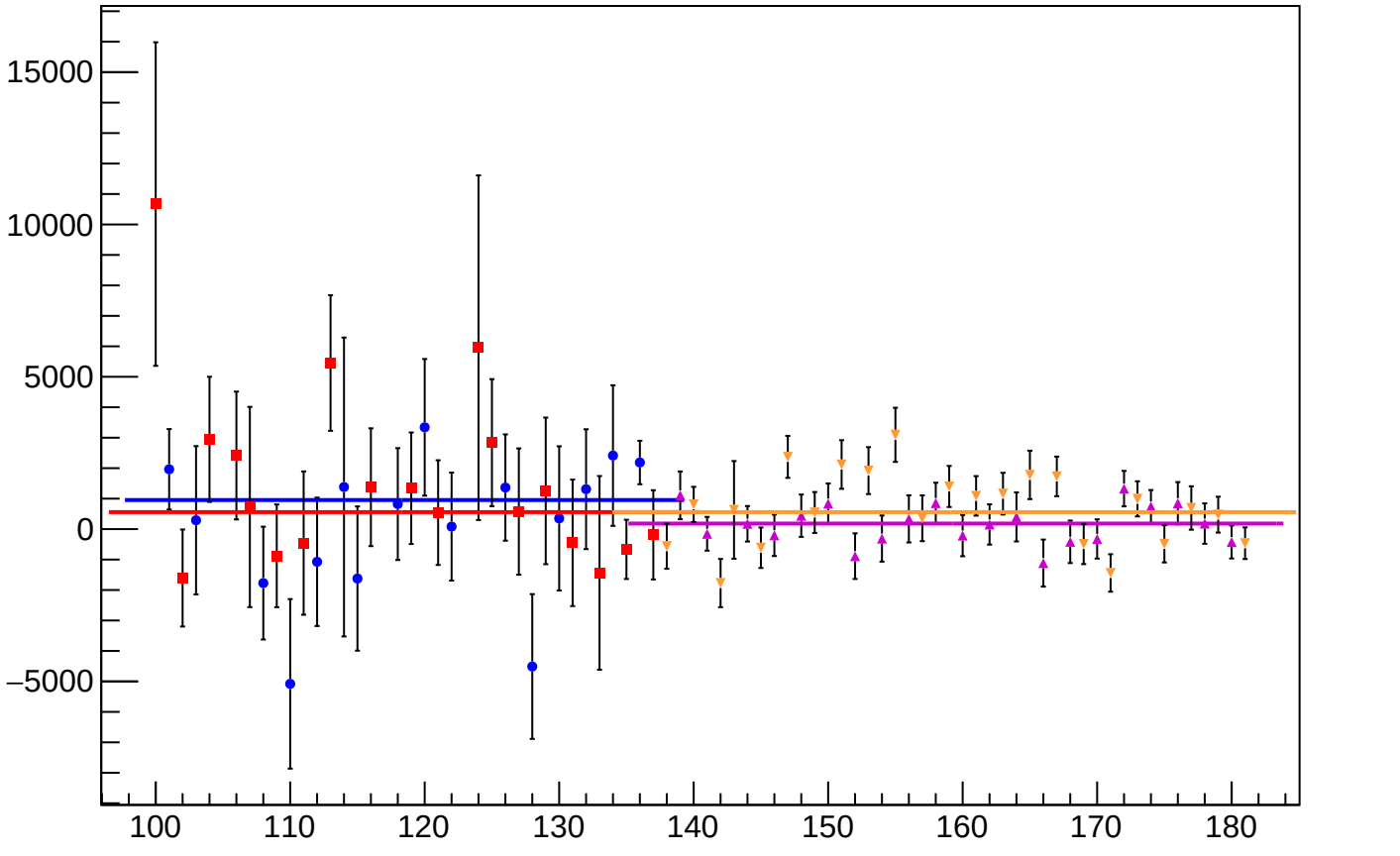
Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1237.704+/-0.211 χ^2/NDF:33897.0/20

+ sign 1254.336+/-0.177 χ^2/NDF: 718023.2/38

All: 1252.554+/-0.126 χ^2/NDF: 1094615.1/78

- sign 1250.720+/-0.179 χ^2/NDF: 376385.5/39



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 556.880+/-142.044 χ^2/NDF:65.5/22

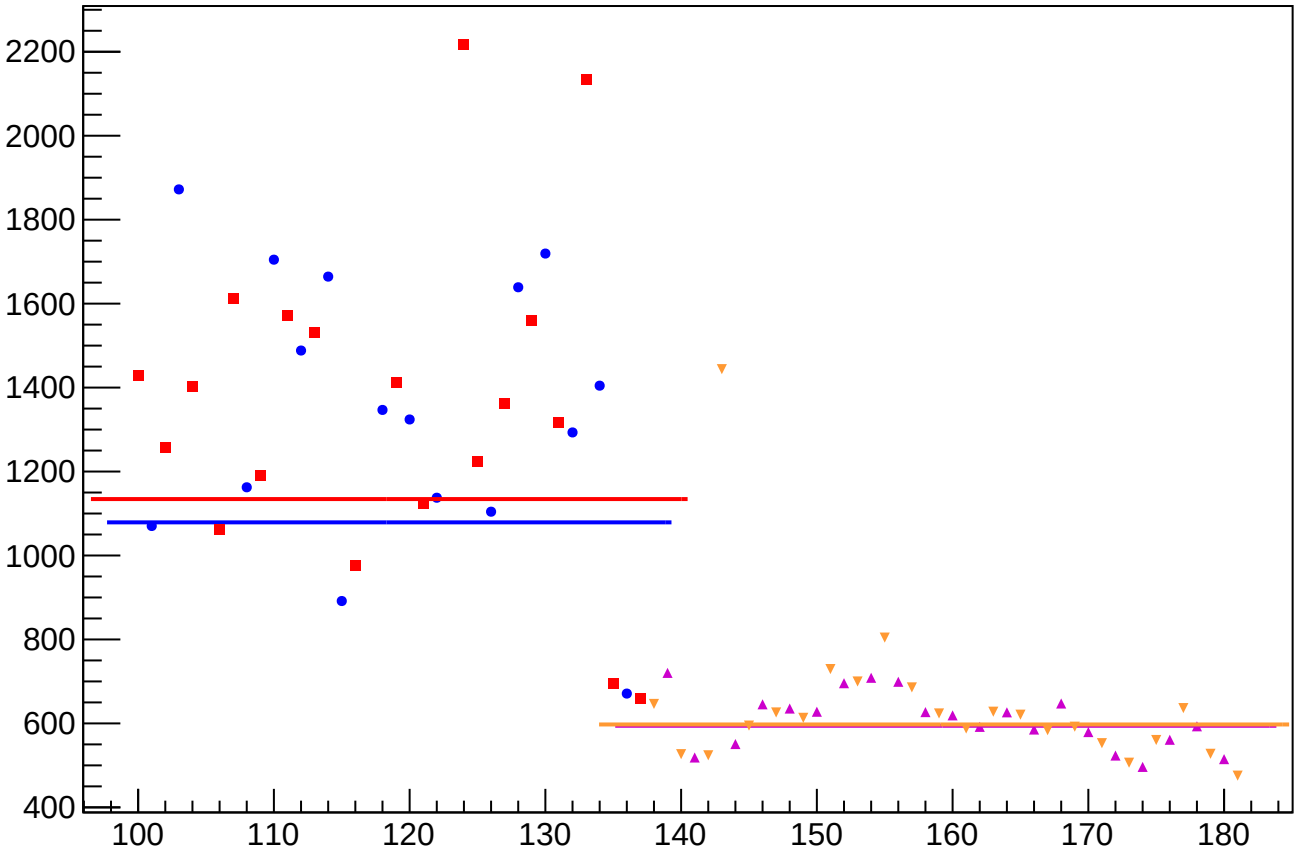
Right Out: 557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: 181.785+/-144.242 χ^2/NDF:18.4/20

+ sign 596.686+/-134.740 χ^2/NDF: 86.1/38

All: 410.699+/-96.095 χ^2/NDF: 127.5/78

- sign 218.173+/-137.087 χ^2/NDF: 37.5/39



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 597.480+/-0.100 χ^2/NDF:1066475.2/22

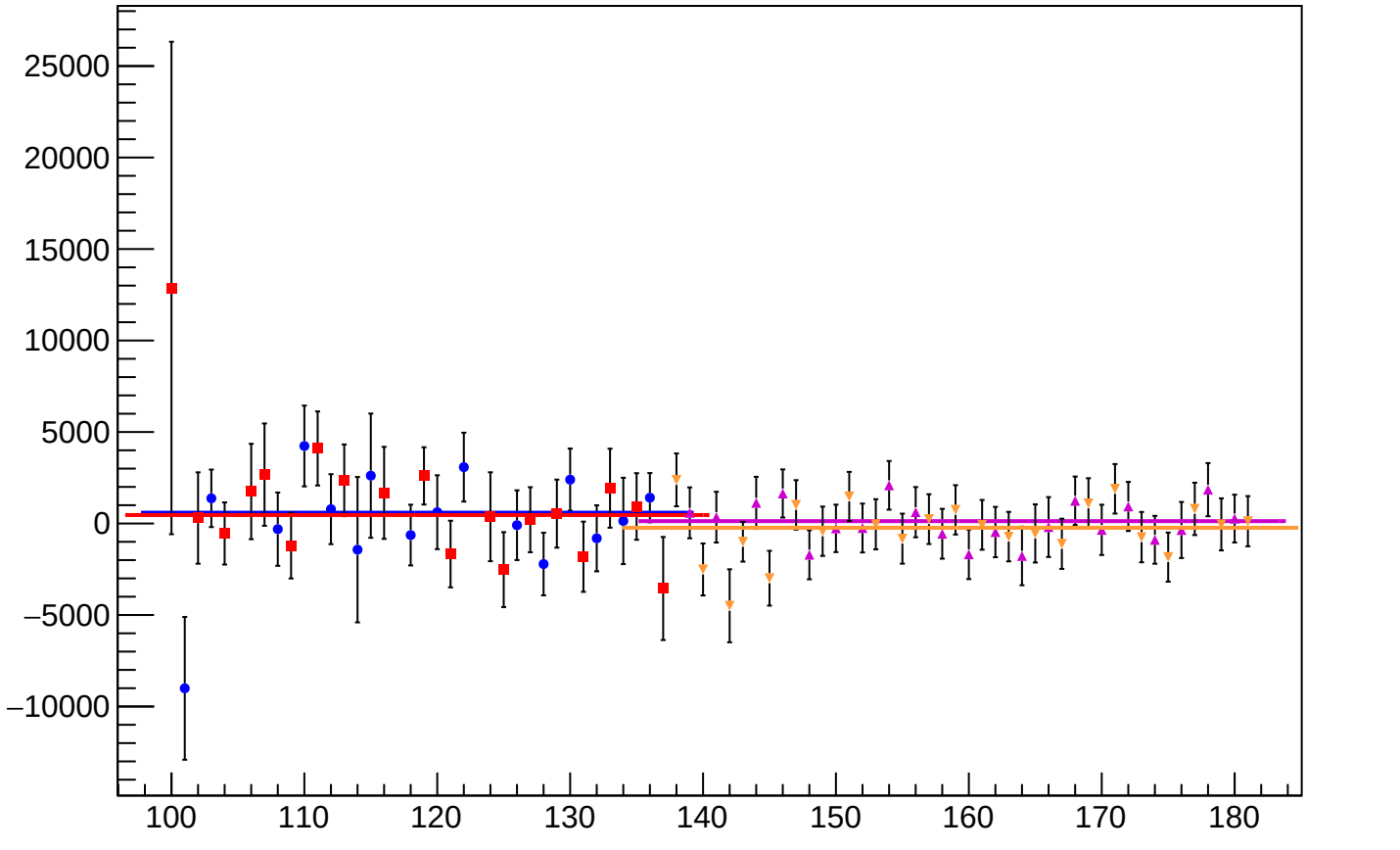
Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 594.330+/-0.102 χ^2/NDF:409059.0/20

+ sign 645.721+/-0.095 χ^2/NDF: 4847462.5/38

All: 646.142+/-0.068 χ^2/NDF: 9258081.3/78

- sign 646.577+/-0.097 χ^2/NDF: 4410579.2/39



Right In: 590.322+/-485.483 χ^2/NDF: 17.1/15

Left Out: -233.091+/-288.376 χ^2/NDF:23.8/22

Right Out: 462.606+/-476.795 χ^2/NDF: 16.7/18

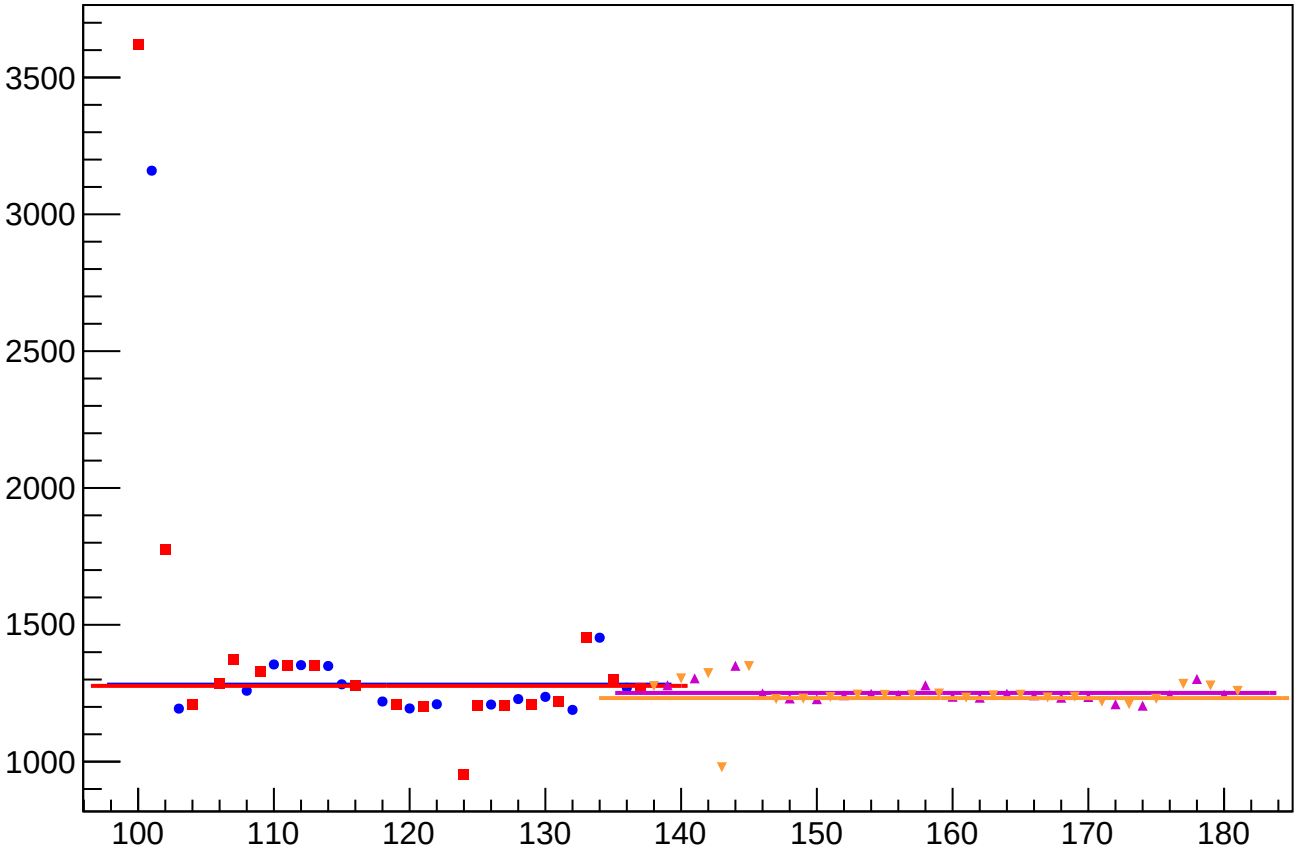
Left In: 129.589+/-301.288 χ^2/NDF:13.3/20

\+ sign -18.336+/-247.935 χ^2/NDF: 43.1/38

All: 99.872+/-177.659 χ^2/NDF: 73.9/78

\- sign 224.618+/-254.699 χ^2/NDF: 30.3/39

dit_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.4/15

Left Out: 1232.274+/-0.204 χ^2/NDF:139412.3/22

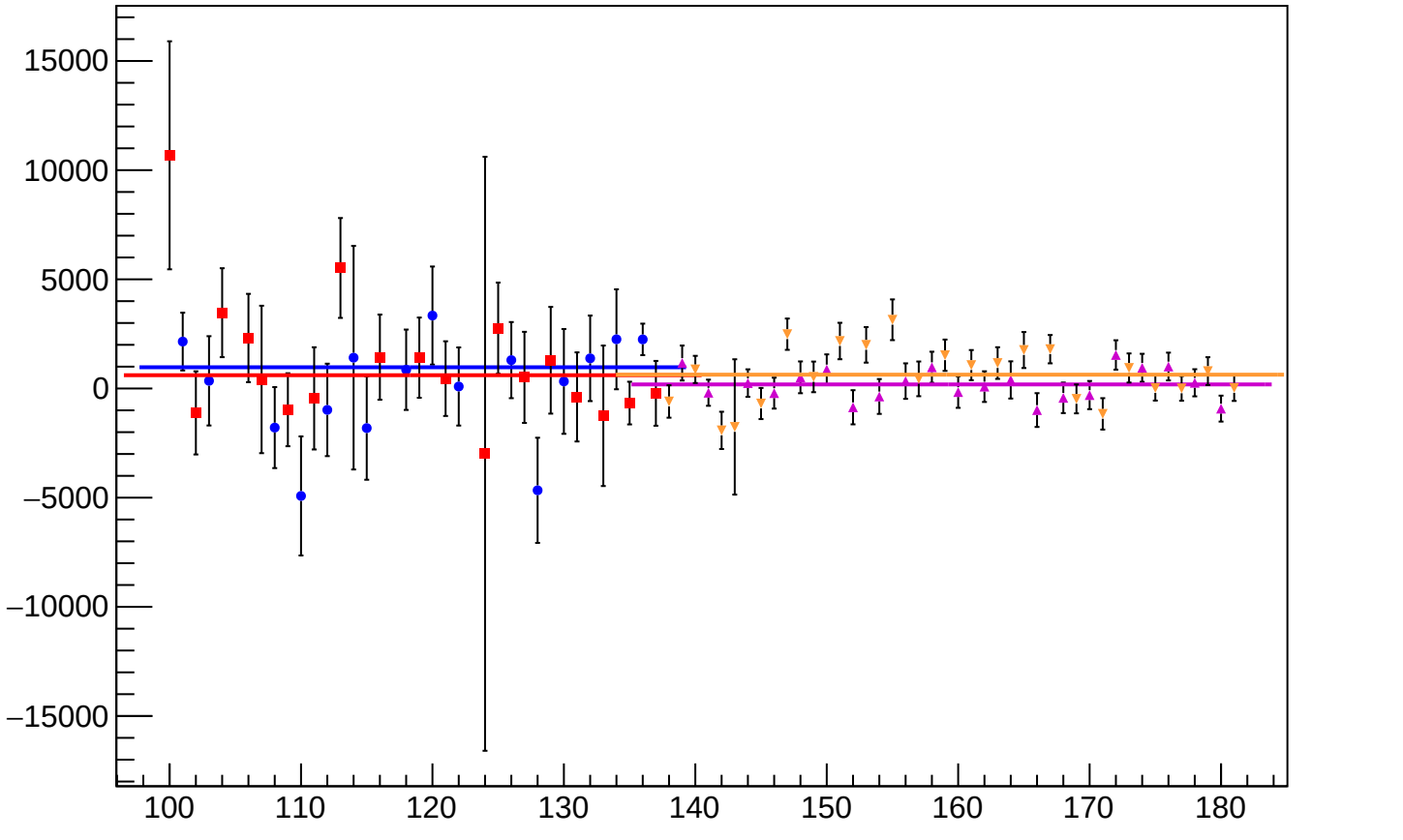
Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.6/18

Left In: 1251.042+/-0.213 χ^2/NDF:23686.5/20

+ sign 1245.079+/-0.175 χ^2/NDF: 661609.0/38

All: 1251.565+/-0.126 χ^2/NDF: 912813.1/78

- sign 1258.409+/-0.180 χ^2/NDF: 248391.1/39



Right In: 972.287+/-425.219 χ^2/NDF: 20.4/15

Left Out: 632.798+/-148.843 χ^2/NDF:56.4/22

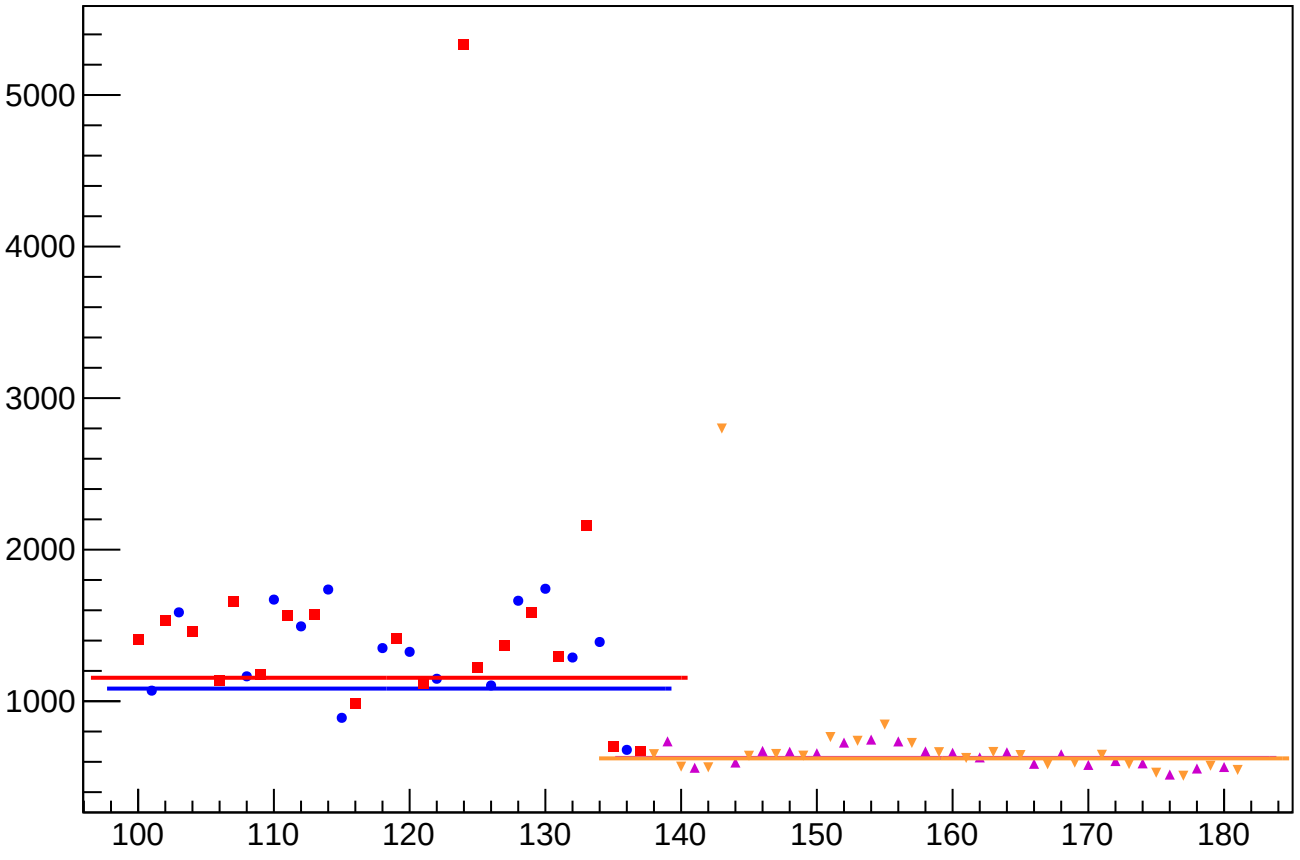
Right Out: 608.431+/-447.734 χ^2/NDF: 17.1/18

Left In: 186.286+/-151.674 χ^2/NDF:21.4/20

+ sign 669.854+/-140.485 χ^2/NDF: 77.4/38

All: 454.709+/-100.440 χ^2/NDF: 121.6/78

- sign 229.743+/-143.655 χ^2/NDF: 39.4/39



Right In: 1083.335+/-0.301 χ^2/NDF: 1360153.3/15

Left Out: 622.823+/-0.105 χ^2/NDF:1478157.2/22

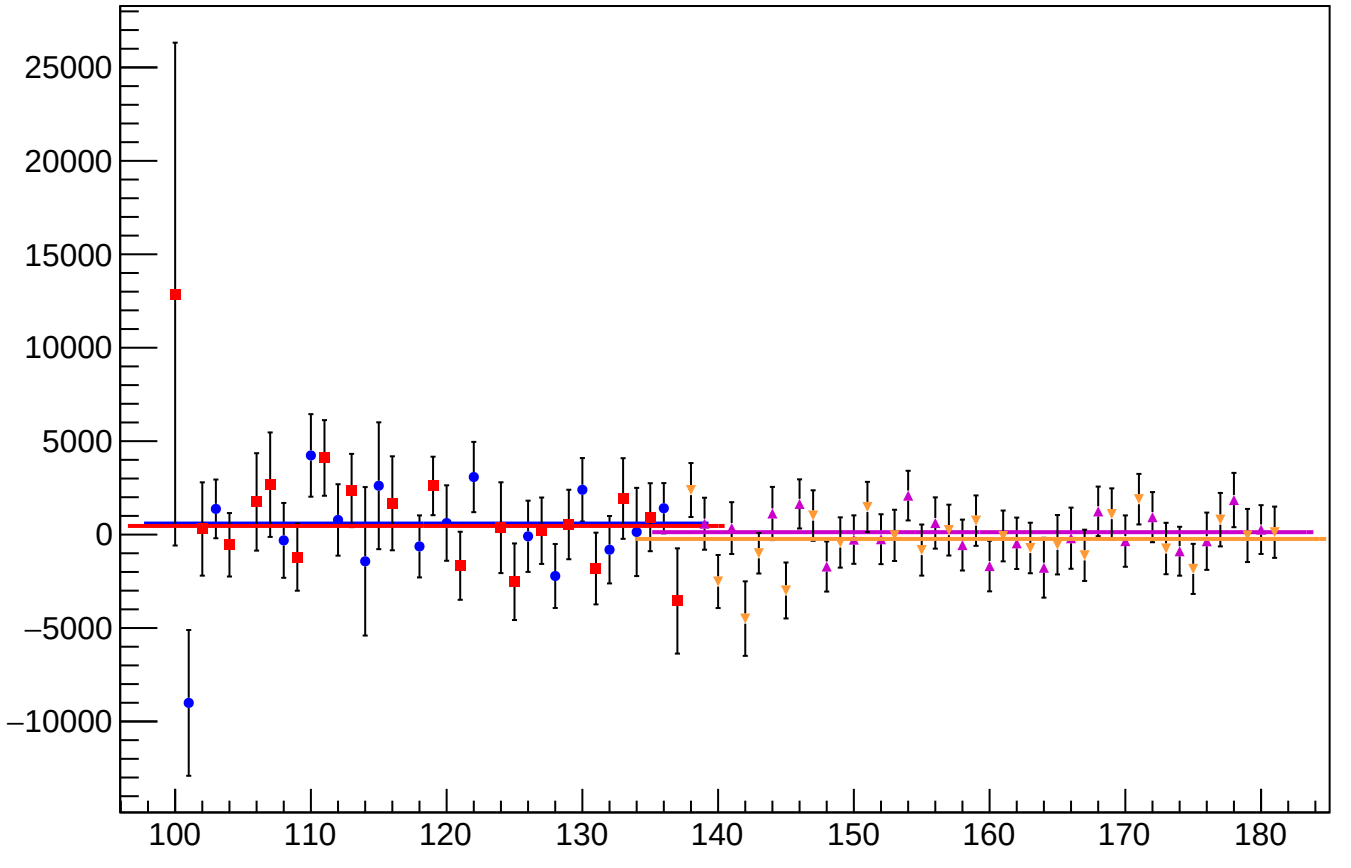
Right Out: 1154.724+/-0.317 χ^2/NDF: 1488304.5/18

Left In: 625.775+/-0.107 χ^2/NDF:346031.4/20

+ sign 673.089+/-0.099 χ^2/NDF: 4928036.9/38

All: 676.579+/-0.071 χ^2/NDF: 9268911.3/78

- sign 680.228+/-0.102 χ^2/NDF: 4338350.0/39



Right In: 590.323+/-485.483 χ^2/NDF: 17.1/15

Left Out: -233.093+/-288.376 χ^2/NDF:23.8/22

Right Out: 462.605+/-476.795 χ^2/NDF: 16.7/18

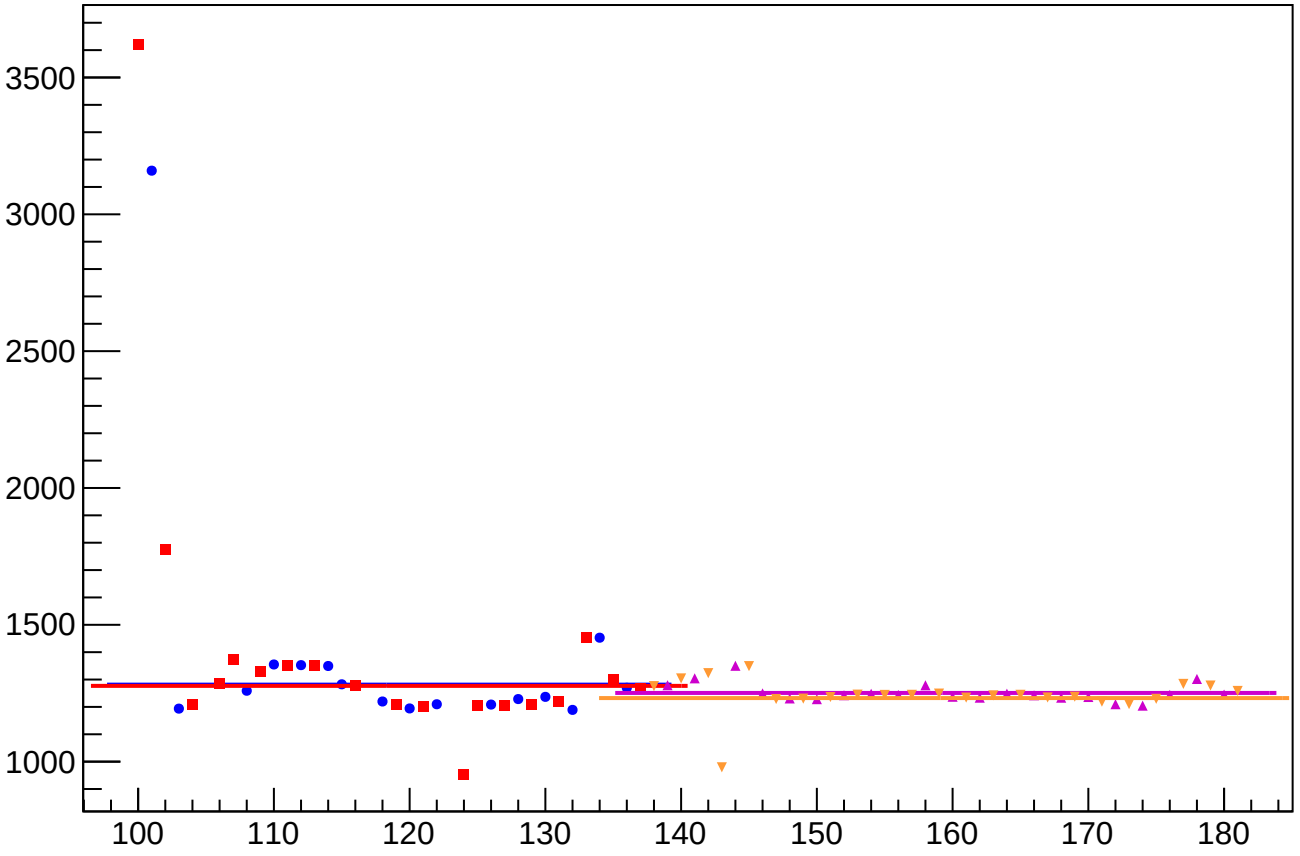
Left In: 129.589+/-301.288 χ^2/NDF:13.3/20

\+ sign -18.337+/-247.935 χ^2/NDF: 43.1/38

All: 99.871+/-177.659 χ^2/NDF: 73.9/78

\- sign 224.617+/-254.699 χ^2/NDF: 30.3/39

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: 1232.274+/-0.204 χ^2/NDF:139411.4/22

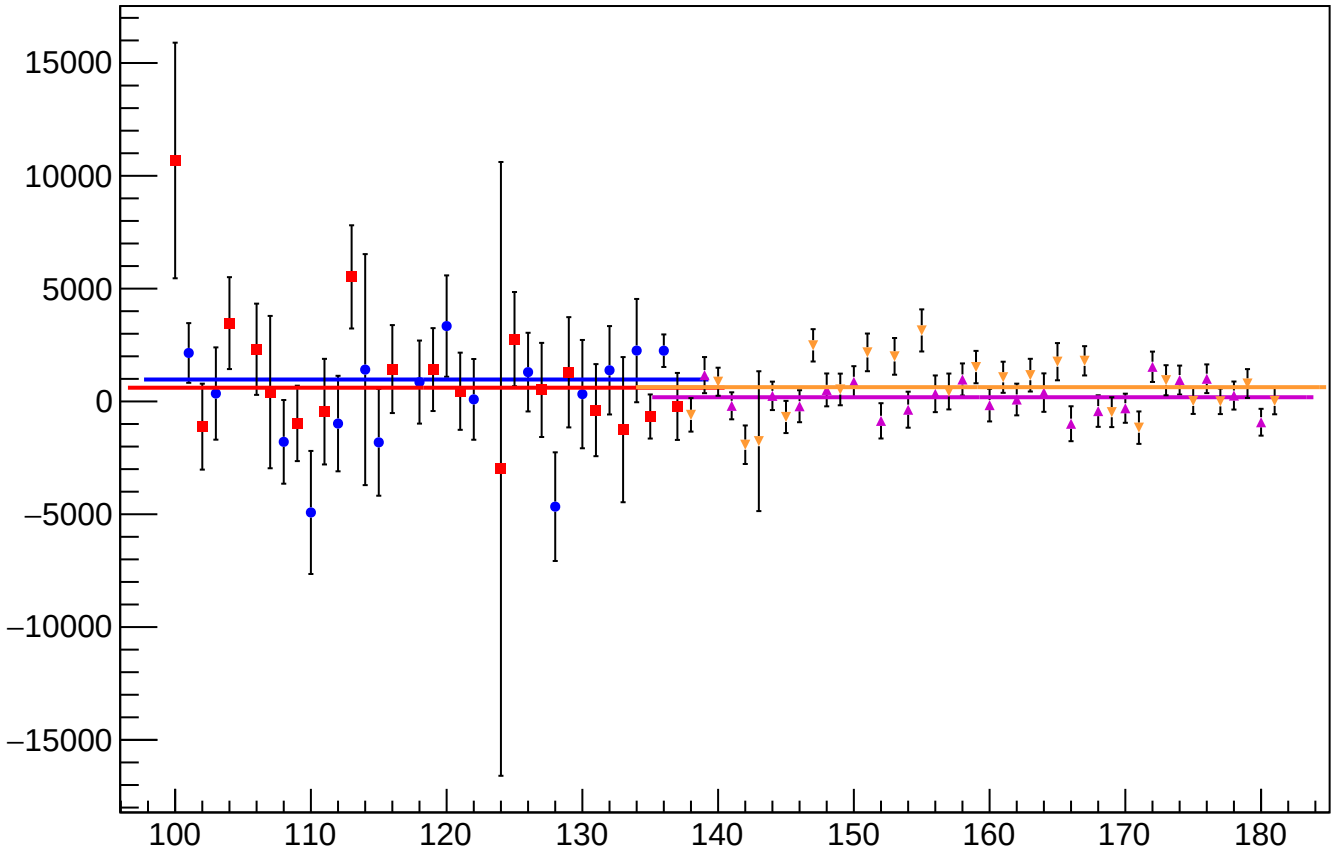
Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.5/18

Left In: 1251.041+/-0.213 χ^2/NDF:23686.5/20

+ sign 1245.079+/-0.175 χ^2/NDF: 661608.2/38

All: 1251.565+/-0.126 χ^2/NDF: 912812.2/78

- sign 1258.409+/-0.180 χ^2/NDF: 248391.0/39



Right In: 972.281+/-425.220 χ^2/NDF: 20.4/15

Left Out: 632.797+/-148.843 χ^2/NDF:56.4/22

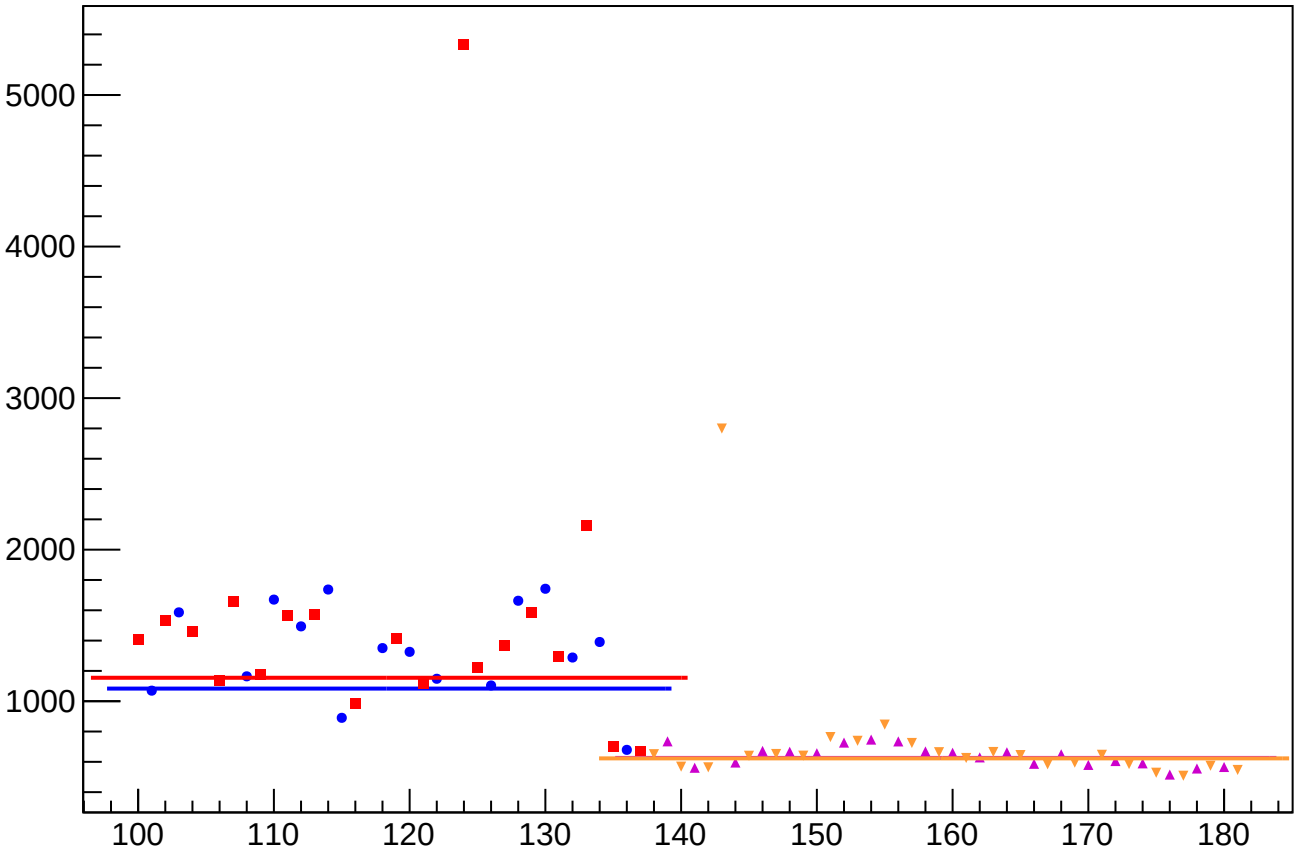
Right Out: 608.441+/-447.736 χ^2/NDF: 17.1/18

Left In: 186.285+/-151.674 χ^2/NDF:21.4/20

+ sign 669.853+/-140.485 χ^2/NDF: 77.4/38

All: 454.708+/-100.440 χ^2/NDF: 121.6/78

- sign 229.743+/-143.655 χ^2/NDF: 39.4/39



Right In: 1083.341+/-0.301 χ^2/NDF: 1360095.7/15

Left Out: 622.823+/-0.105 χ^2/NDF:1478156.7/22

Right Out: 1154.732+/-0.317 χ^2/NDF: 1488251.4/18

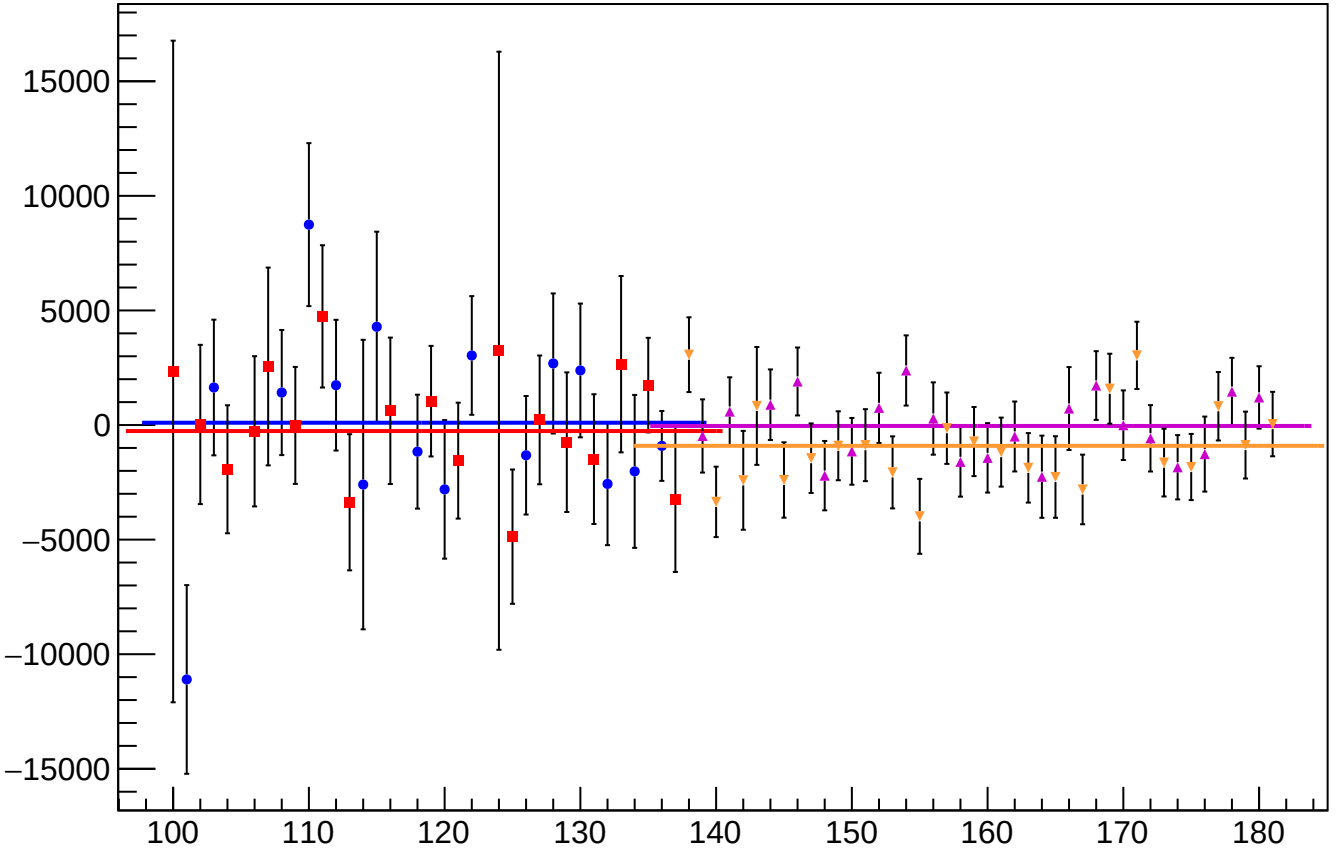
Left In: 625.774+/-0.107 χ^2/NDF:346038.2/20

+ sign 673.089+/-0.099 χ^2/NDF: 4928026.6/38

All: 676.578+/-0.071 χ^2/NDF: 9268913.5/78

- sign 680.227+/-0.102 χ^2/NDF: 4338363.1/39

asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 100.451+/-698.983 χ^2/NDF: 21.3/15

Left Out: -907.432+/-327.414 χ^2/NDF:29.6/22

Right Out: -262.731+/-699.724 χ^2/NDF: 10.3/18

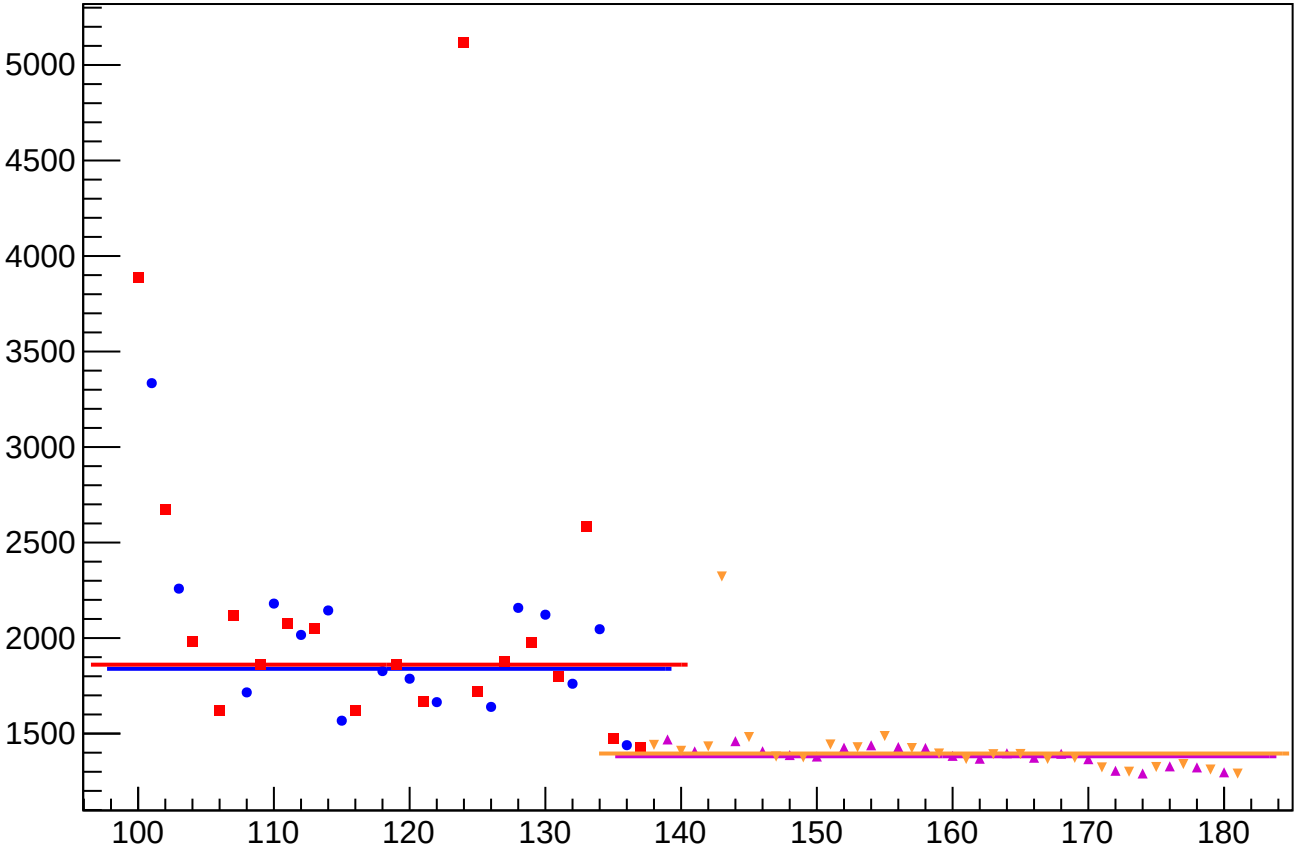
Left In: -40.582+/-332.765 χ^2/NDF:17.1/20

\+ sign -726.081+/-296.498 χ^2/NDF: 52.6/38

All: -408.153+/-211.061 χ^2/NDF: 82.5/78

\- sign -81.557+/-300.513 χ^2/NDF: 27.5/39

asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1839.113+/-0.494 χ^2/NDF: 556725.4/15

Left Out: 1395.593+/-0.232 χ^2/NDF:318108.5/22

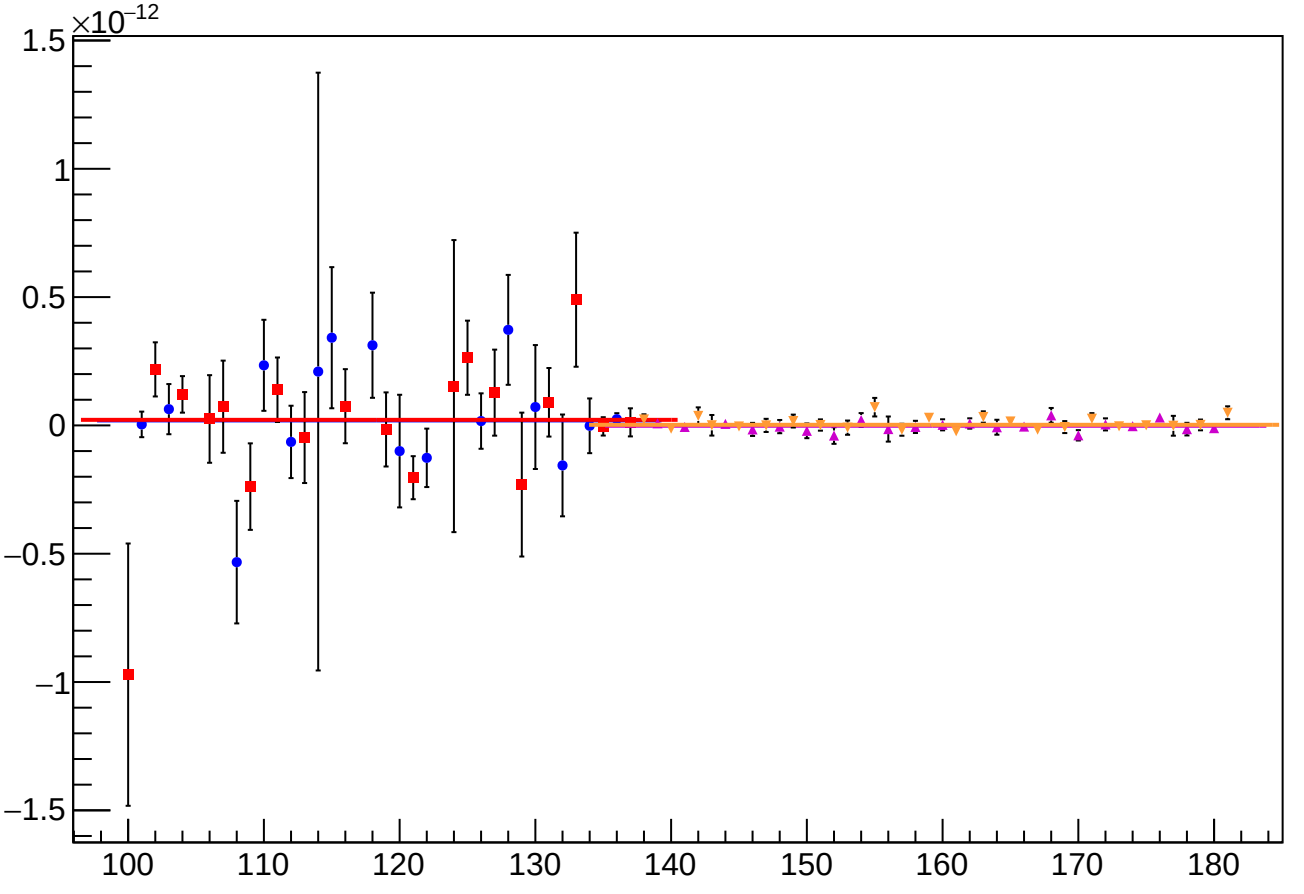
Right Out: 1860.754+/-0.495 χ^2/NDF: 522114.2/18

Left In: 1381.208+/-0.235 χ^2/NDF:47958.1/20

+ sign 1475.397+/-0.210 χ^2/NDF: 1535185.4/38

All: 1472.567+/-0.149 χ^2/NDF: 2871747.3/78

- sign 1469.660+/-0.212 χ^2/NDF: 1336192.6/39



Right In: 0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:22.2/22

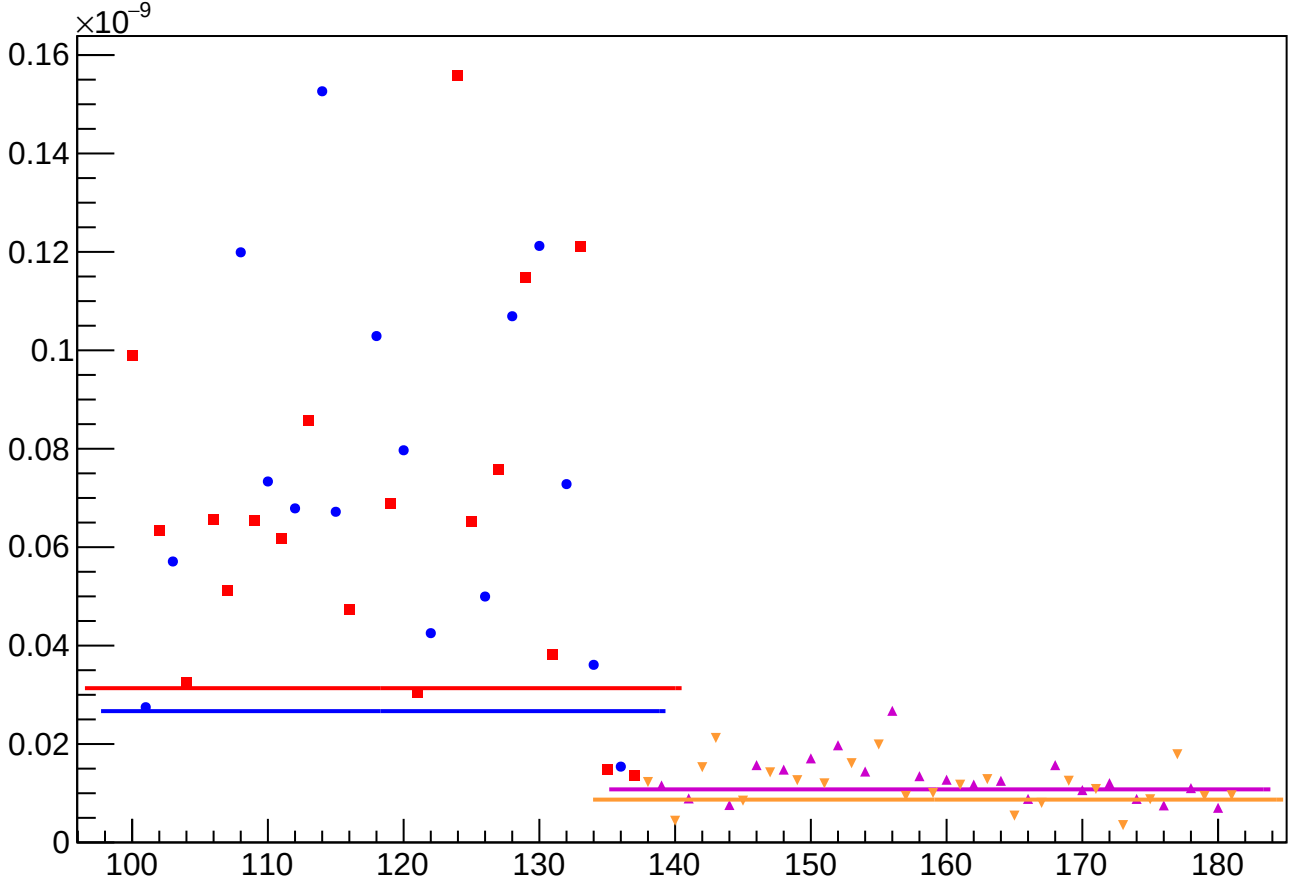
Right Out: 0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: -0.000+/-0.000 χ^2/NDF:13.4/20

+ sign 0.000+/-0.000 χ^2/NDF: 39.5/38

All: 0.000+/-0.000 χ^2/NDF: 82.5/78

- sign -0.000+/-0.000 χ^2/NDF: 42.6/39



Right In: 0.000+/-0.000 χ^2/NDF: 2580672.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:2119432.0/22

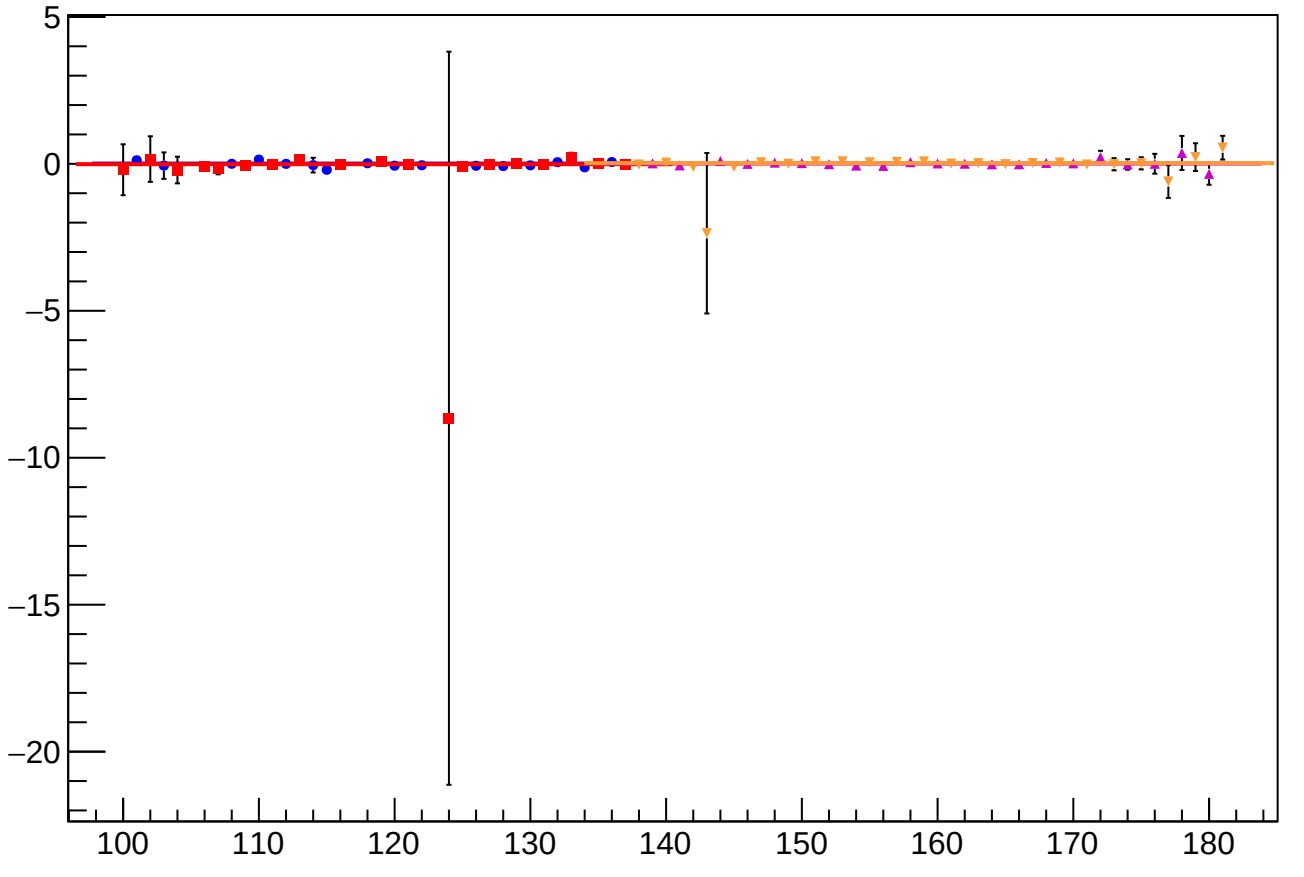
Right Out: 0.000+/-0.000 χ^2/NDF: 2275167.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1133312.5/20

+ sign 0.000+/-0.000 χ^2/NDF: 6452676.4/38

All: 0.000+/-0.000 χ^2/NDF: 11764813.3/78

- sign 0.000+/-0.000 χ^2/NDF: 5041567.8/39



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.023+/-0.010 χ^2/NDF:21.3/22

Right Out: -0.012+/-0.017 χ^2/NDF: 12.6/18

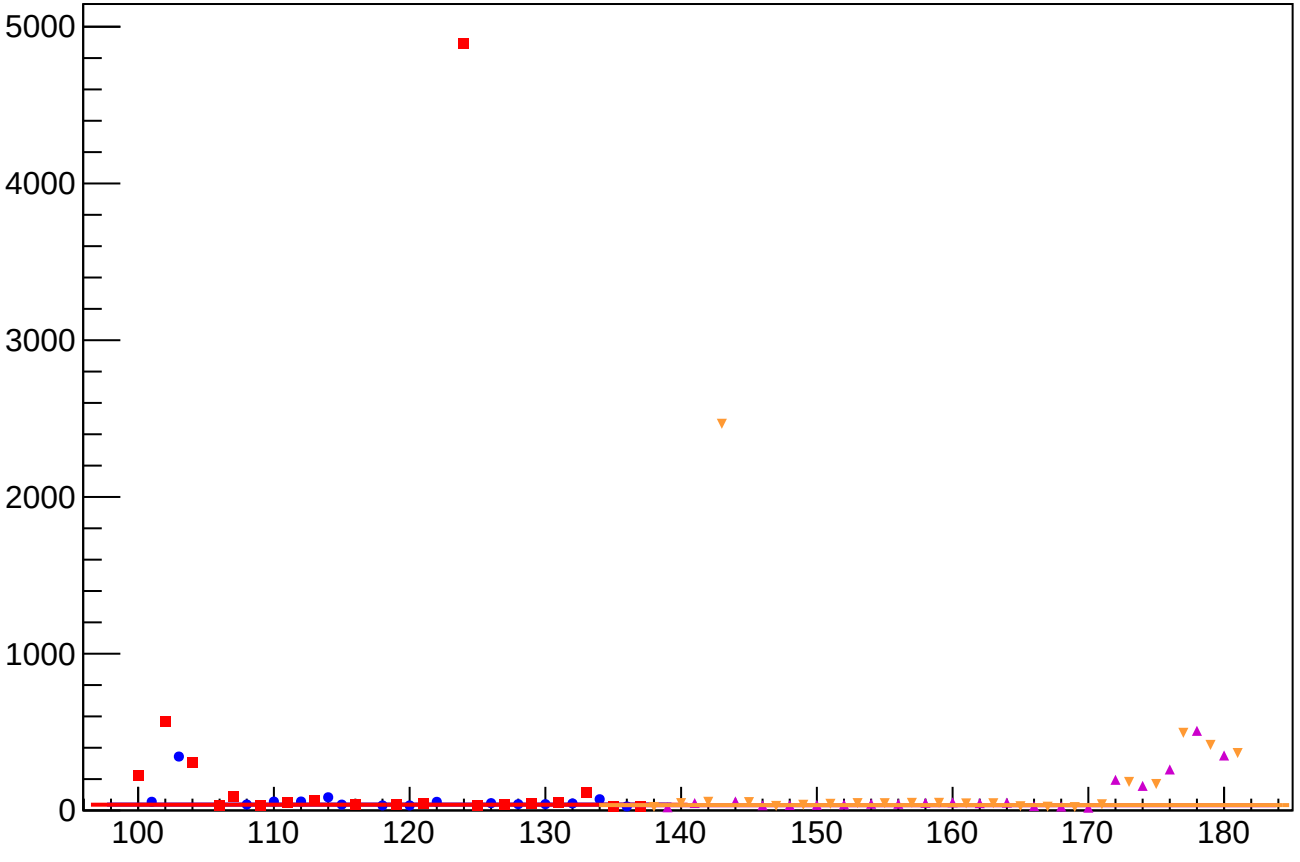
Left In: 0.010+/-0.010 χ^2/NDF:13.1/20

+ sign 0.019+/-0.009 χ^2/NDF: 41.1/38

All: 0.011+/-0.006 χ^2/NDF: 69.7/78

- sign 0.004+/-0.009 χ^2/NDF: 27.1/39

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: 34.216+/-0.007 χ^2/NDF:9907186.8/22

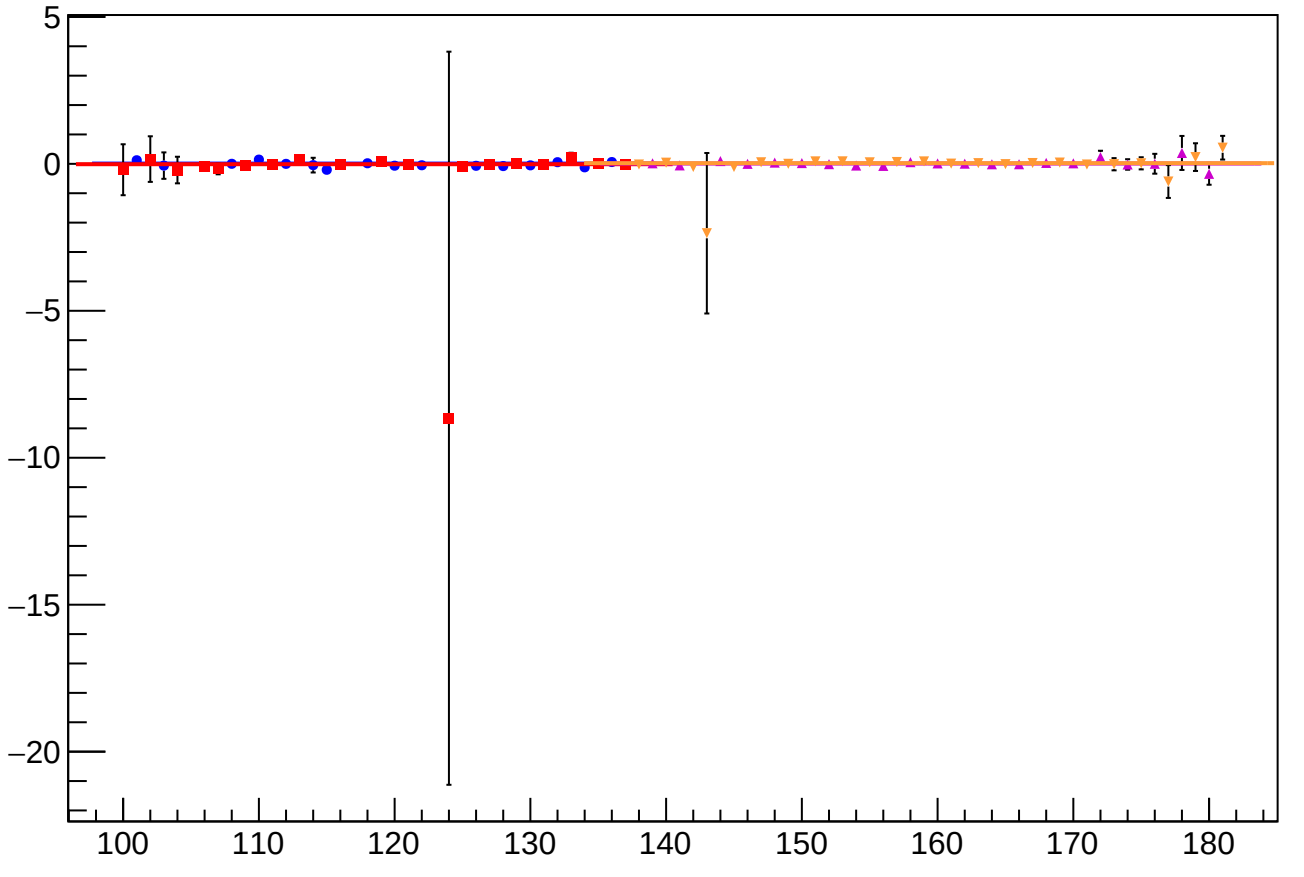
Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 33.186+/-0.007 χ^2/NDF:8540974.9/20

+ sign 35.159+/-0.006 χ^2/NDF: 11949705.6/38

All: 34.640+/-0.004 χ^2/NDF: 23764082.0/78

- sign 34.131+/-0.006 χ^2/NDF: 11800034.5/39



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.023+/-0.010 χ^2/NDF:21.3/22

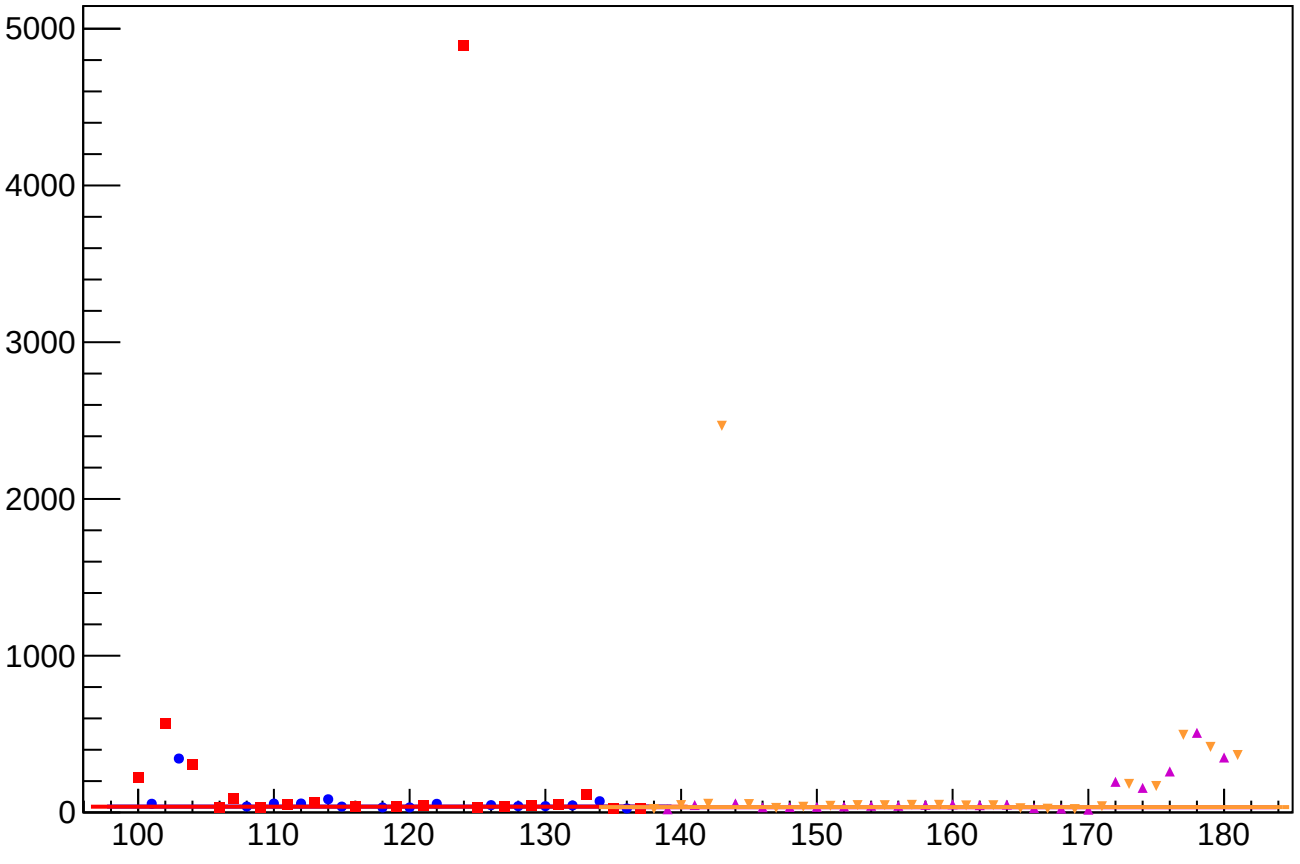
Right Out: -0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: 0.010+/-0.010 χ^2/NDF:13.1/20

+ sign 0.019+/-0.009 χ^2/NDF: 41.1/38

All: 0.011+/-0.006 χ^2/NDF: 69.7/78

- sign 0.004+/-0.009 χ^2/NDF: 27.1/39



Right In: 37.494+/-0.011 χ^2/NDF: 1983275.6/15

Left Out: 34.216+/-0.007 χ^2/NDF:9907186.8/22

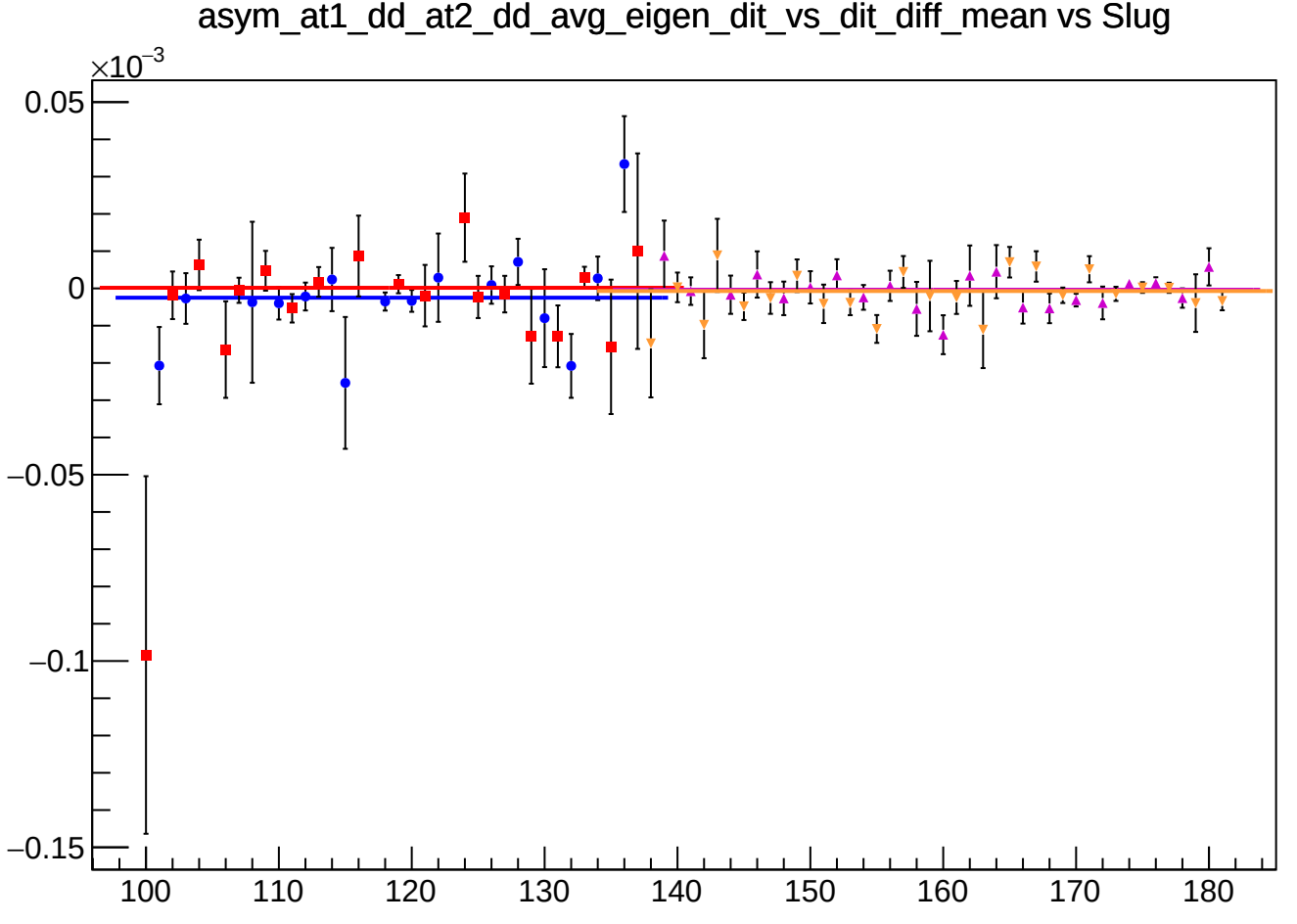
Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 33.186+/-0.007 χ^2/NDF:8540974.9/20

\+ sign 35.159+/-0.006 χ^2/NDF: 11949705.6/38

All: 34.640+/-0.004 χ^2/NDF: 23764082.0/78

\- sign 34.131+/-0.006 χ^2/NDF: 11800034.5/39



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:28.3/22

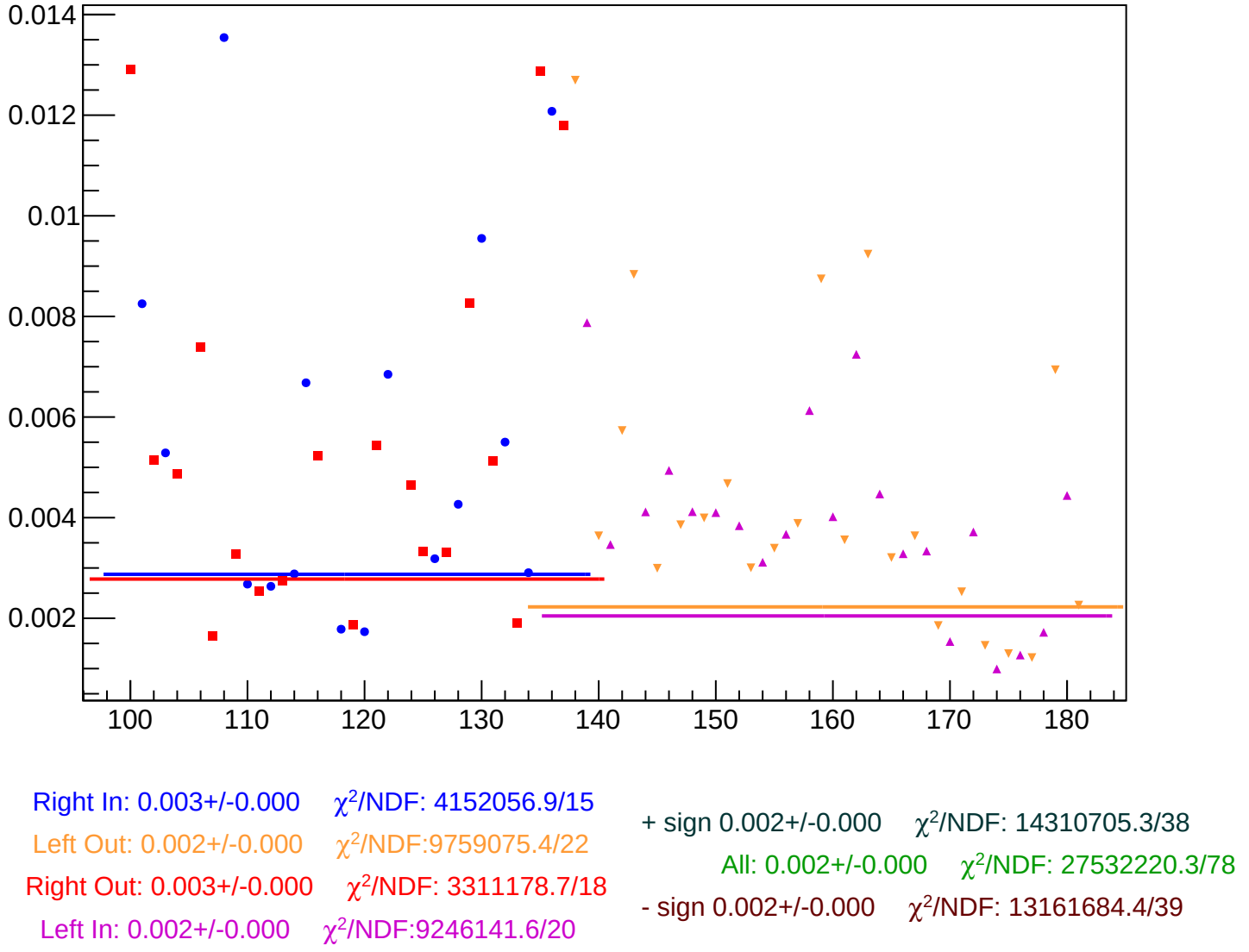
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/18

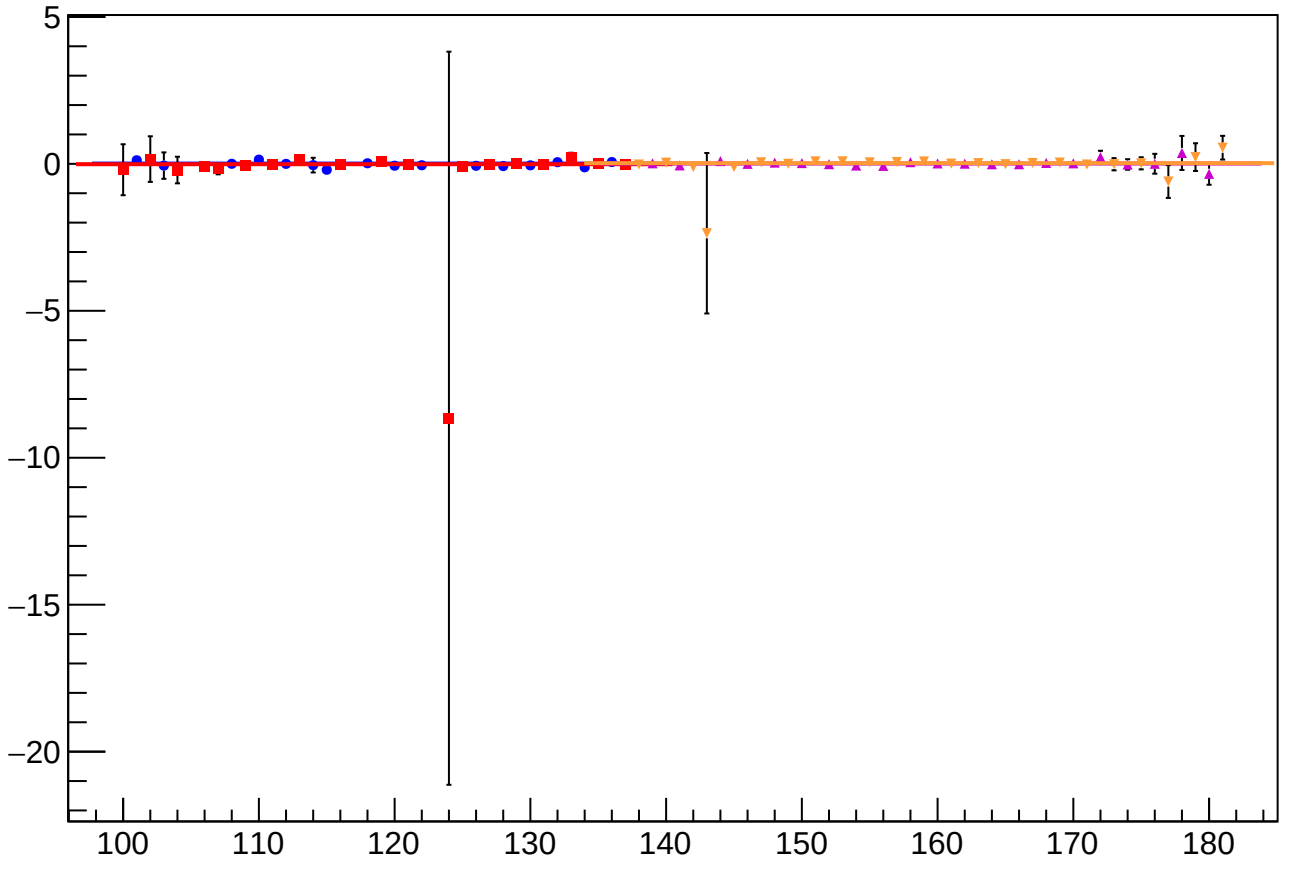
Left In: -0.000+/-0.000 χ^2/NDF:21.1/20

+ sign -0.000+/-0.000 χ^2/NDF: 51.7/38

All: -0.000+/-0.000 χ^2/NDF: 92.8/78

- sign -0.000+/-0.000 χ^2/NDF: 40.1/39


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:9759075.4/22
Right Out: 0.003+/-0.000 χ²/NDF: 3311178.7/18
Left In: 0.002+/-0.000 χ²/NDF:9246141.6/20
+ sign 0.002+/-0.000 χ²/NDF: 14310705.3/38
All: 0.002+/-0.000 χ²/NDF: 27532220.3/78
- sign 0.002+/-0.000 χ²/NDF: 13161684.4/39



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.023+/-0.010 χ^2/NDF:21.3/22

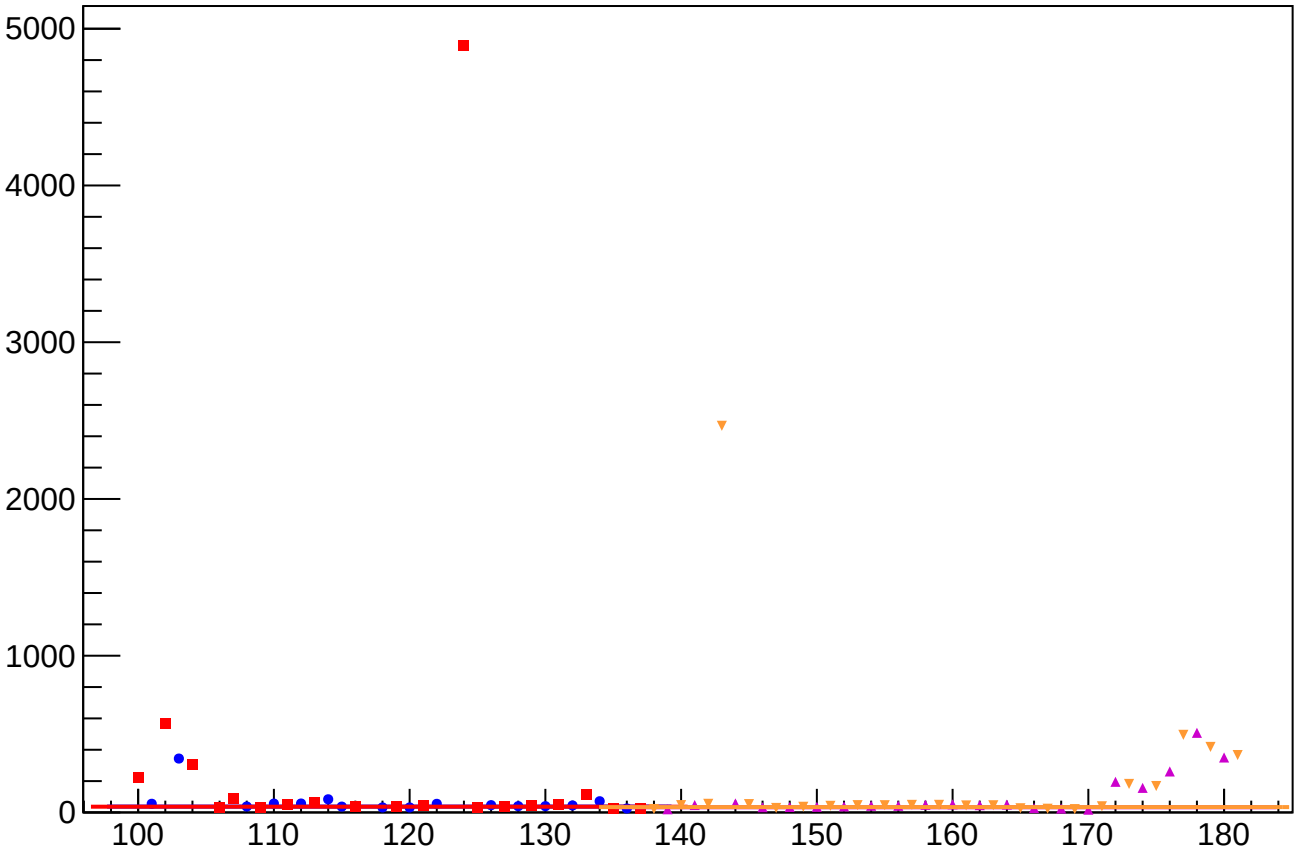
Right Out: -0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: 0.010+/-0.010 χ^2/NDF:13.1/20

+ sign 0.019+/-0.009 χ^2/NDF: 41.1/38

All: 0.011+/-0.006 χ^2/NDF: 69.7/78

- sign 0.004+/-0.009 χ^2/NDF: 27.1/39



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 34.215+/-0.007 χ^2/NDF:9907284.4/22

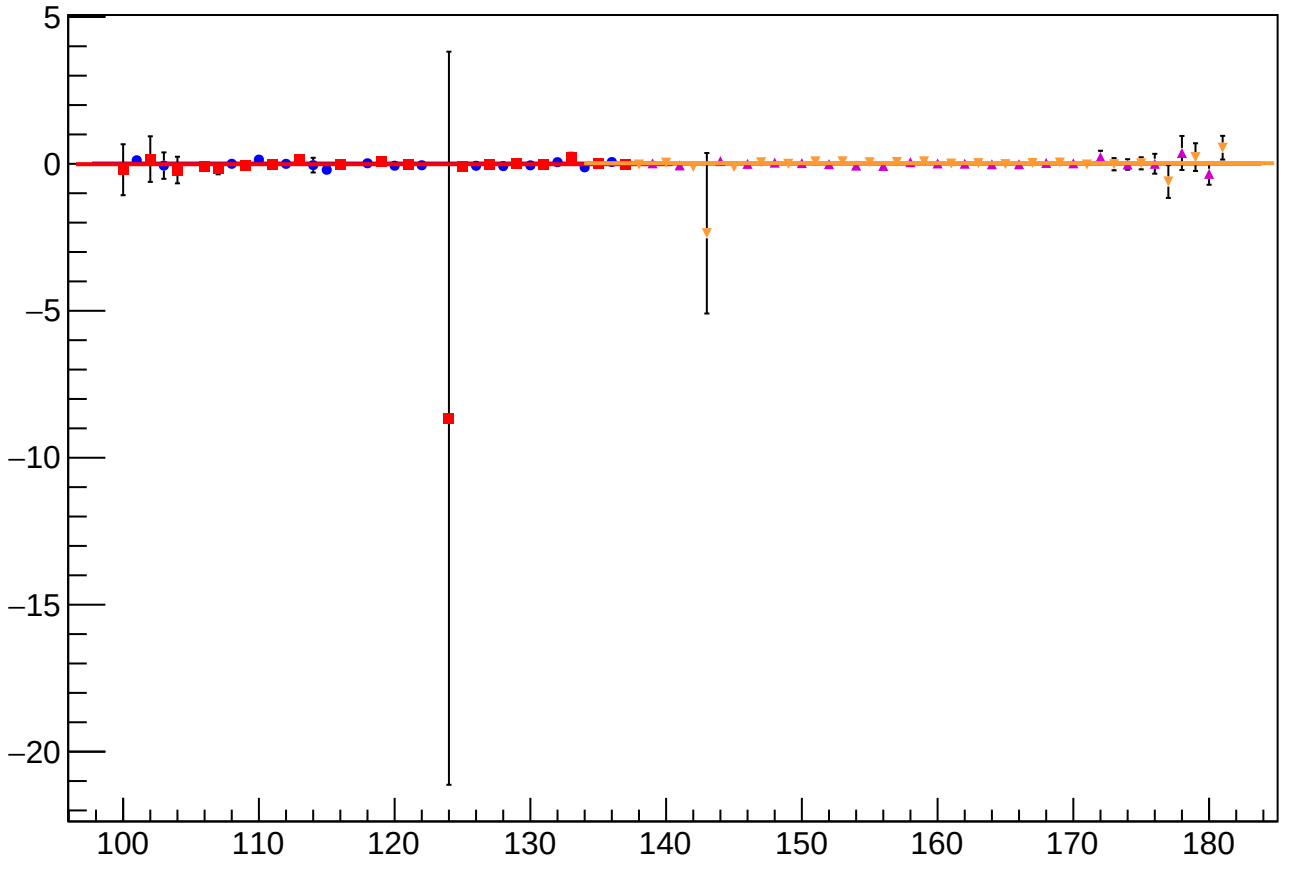
Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 33.188+/-0.007 χ^2/NDF:8539738.7/20

+ sign 35.158+/-0.006 χ^2/NDF: 11949788.0/38

All: 34.641+/-0.004 χ^2/NDF: 23762527.7/78

- sign 34.133+/-0.006 χ^2/NDF: 11798473.0/39



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.023+/-0.010 χ^2/NDF:21.3/22

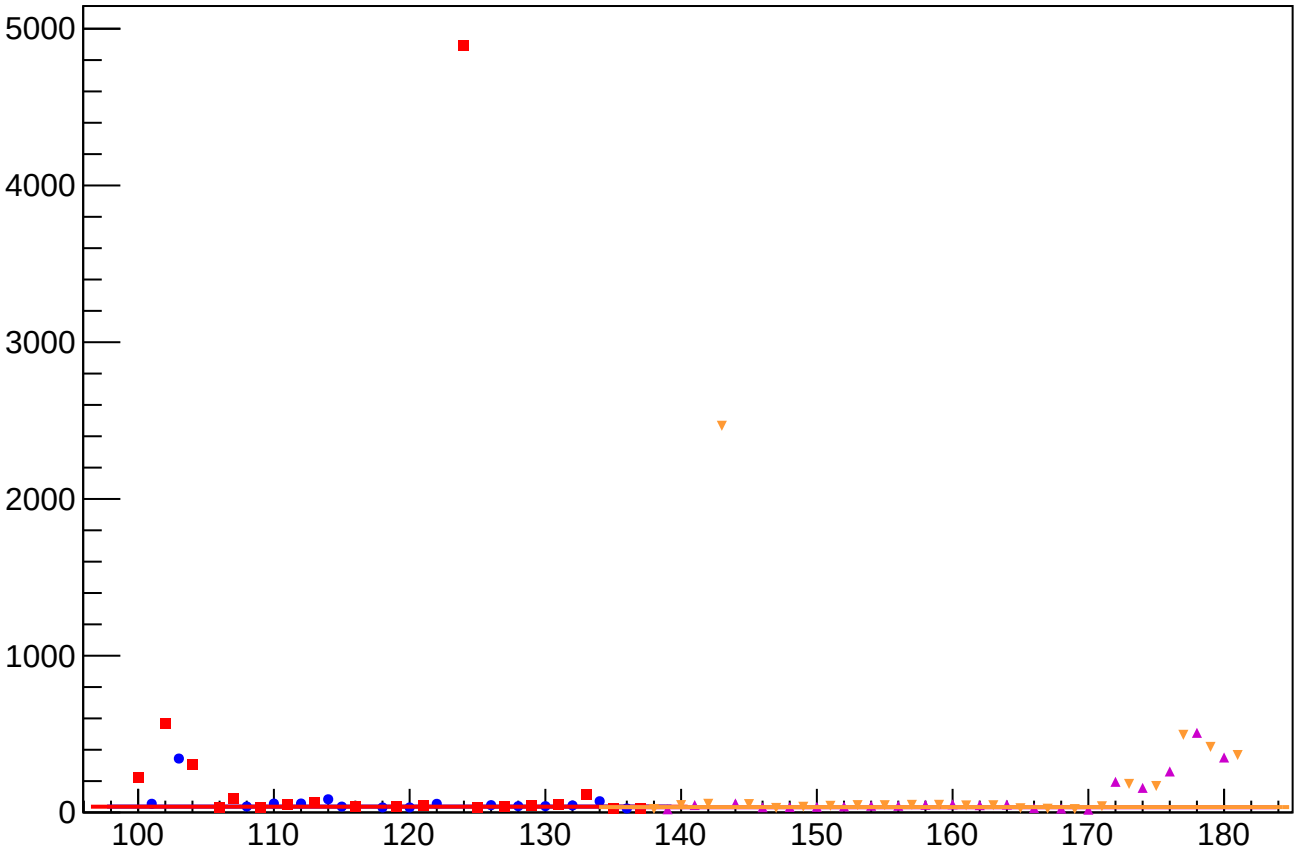
Right Out: -0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: 0.010+/-0.010 χ^2/NDF:13.1/20

+ sign 0.019+/-0.009 χ^2/NDF: 41.1/38

All: 0.011+/-0.006 χ^2/NDF: 69.7/78

- sign 0.004+/-0.009 χ^2/NDF: 27.1/39



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 34.215+/-0.007 χ^2/NDF:9907284.4/22

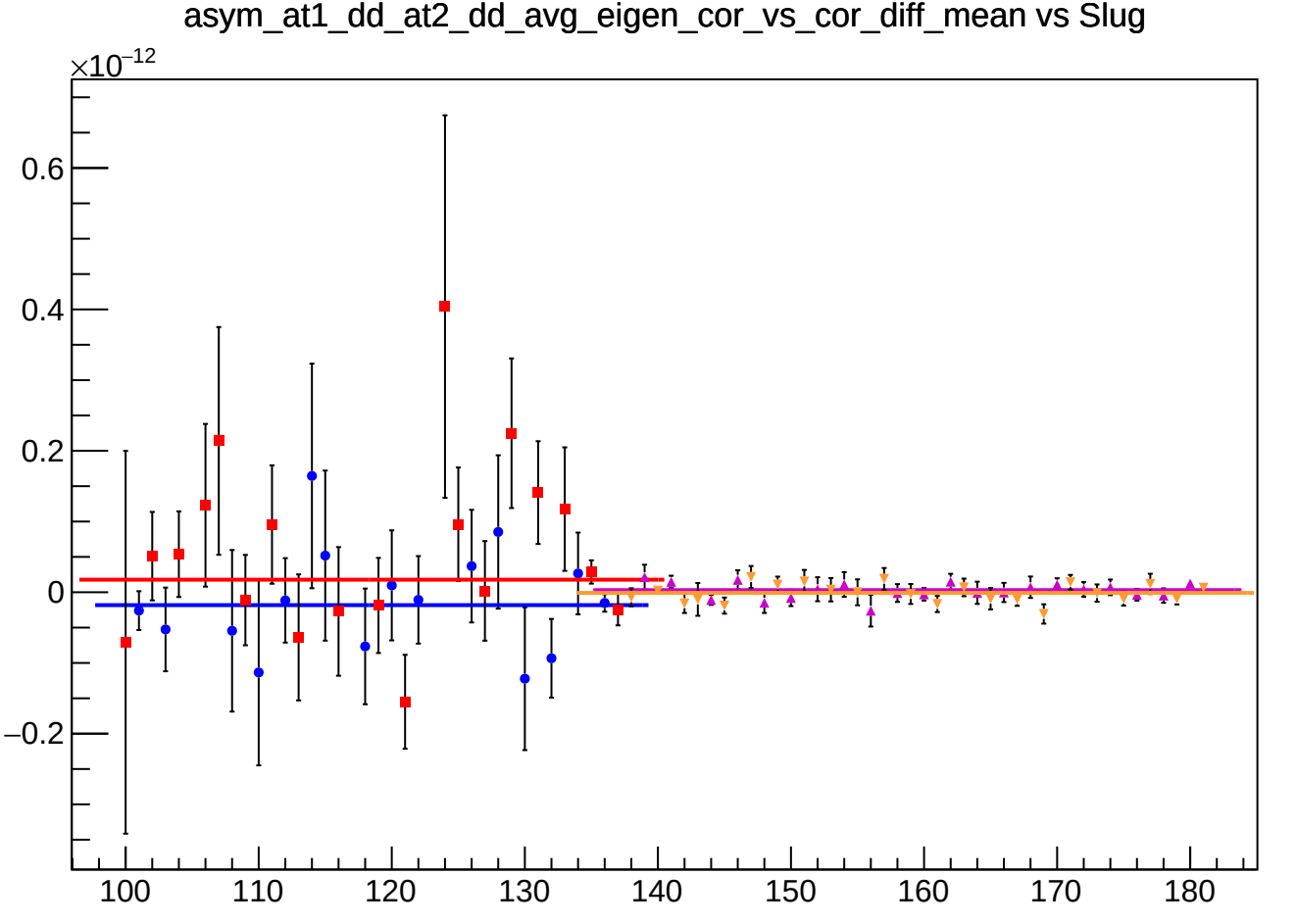
Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 33.188+/-0.007 χ^2/NDF:8539738.7/20

+ sign 35.158+/-0.006 χ^2/NDF: 11949788.0/38

All: 34.641+/-0.004 χ^2/NDF: 23762527.7/78

- sign 34.133+/-0.006 χ^2/NDF: 11798473.0/39



Right In: -0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:24.7/22

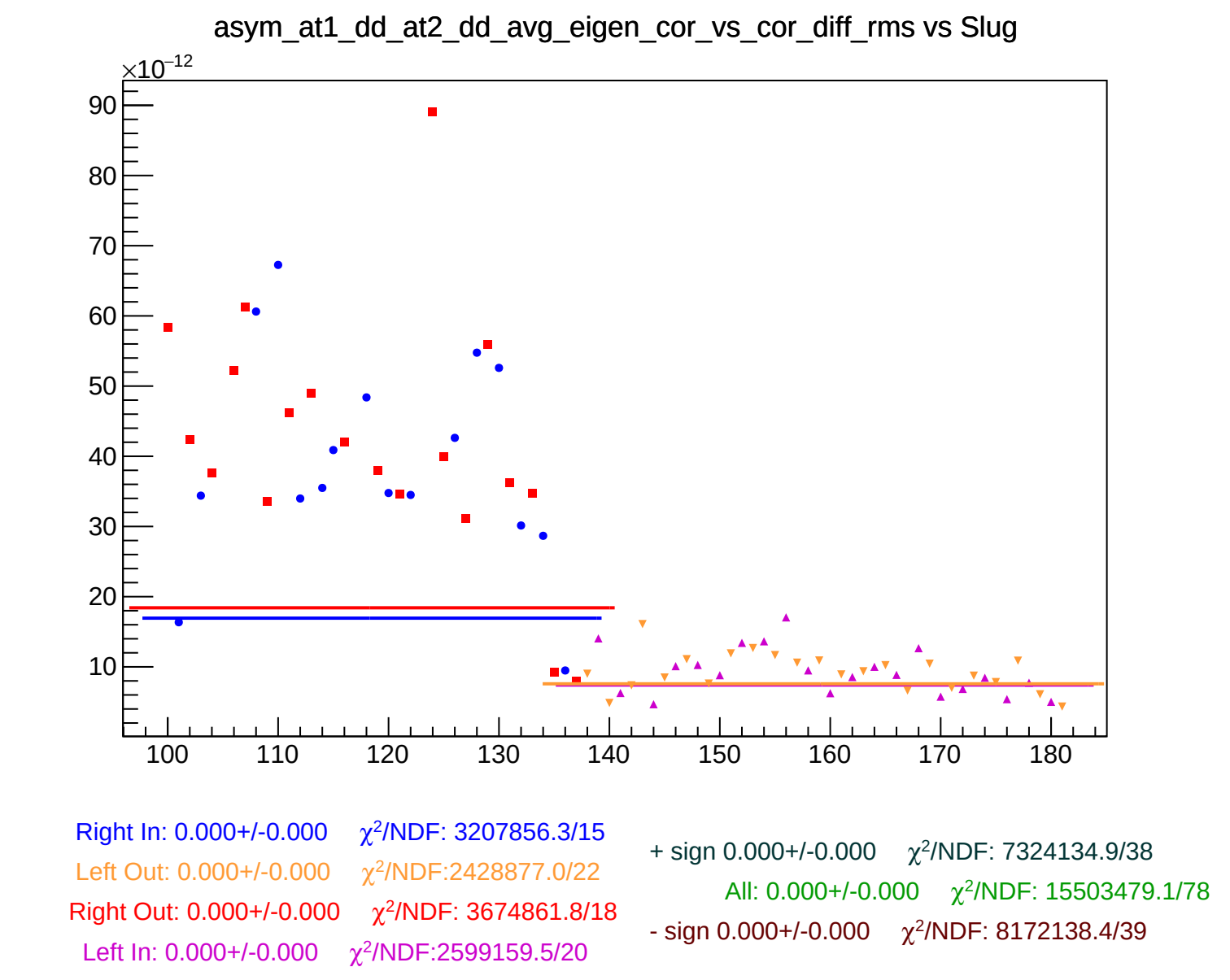
Right Out: 0.000+/-0.000 χ^2/NDF: 27.3/18

Left In: 0.000+/-0.000 χ^2/NDF:18.3/20

+ sign -0.000+/-0.000 χ^2/NDF: 35.9/38

All: 0.000+/-0.000 χ^2/NDF: 86.0/78

- sign 0.000+/-0.000 χ^2/NDF: 47.3/39


asym_at1_dd_at2_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
90
80
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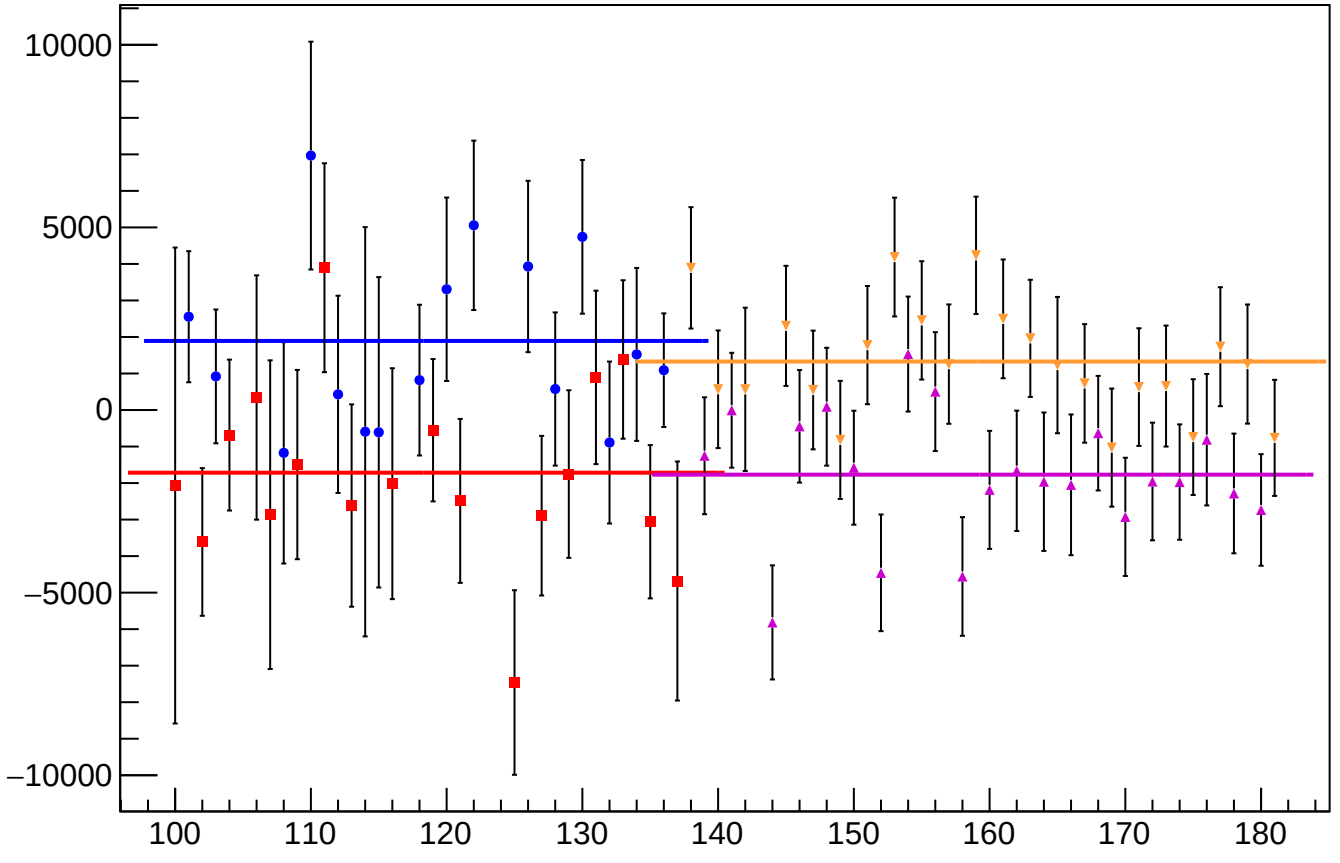
50
40
30
20
10
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 3207856.3/15
Left Out: 0.000+/-0.000 χ²/NDF:2428877.0/22
Right Out: 0.000+/-0.000 χ²/NDF: 3674861.8/18
Left In: 0.000+/-0.000 χ²/NDF:2599159.5/20
+ sign 0.000+/-0.000 χ²/NDF: 7324134.9/38
All: 0.000+/-0.000 χ²/NDF: 15503479.1/78
- sign 0.000+/-0.000 χ²/NDF: 8172138.4/39

reg_asym_usl_atl1_avg_mean vs Slug



Right In: 1891.457+/-572.244 χ^2/NDF: 12.2/15

Left Out: 1328.357+/-351.464 χ^2/NDF:18.8/21

Right Out: -1715.909+/-589.518 χ^2/NDF: 16.0/17

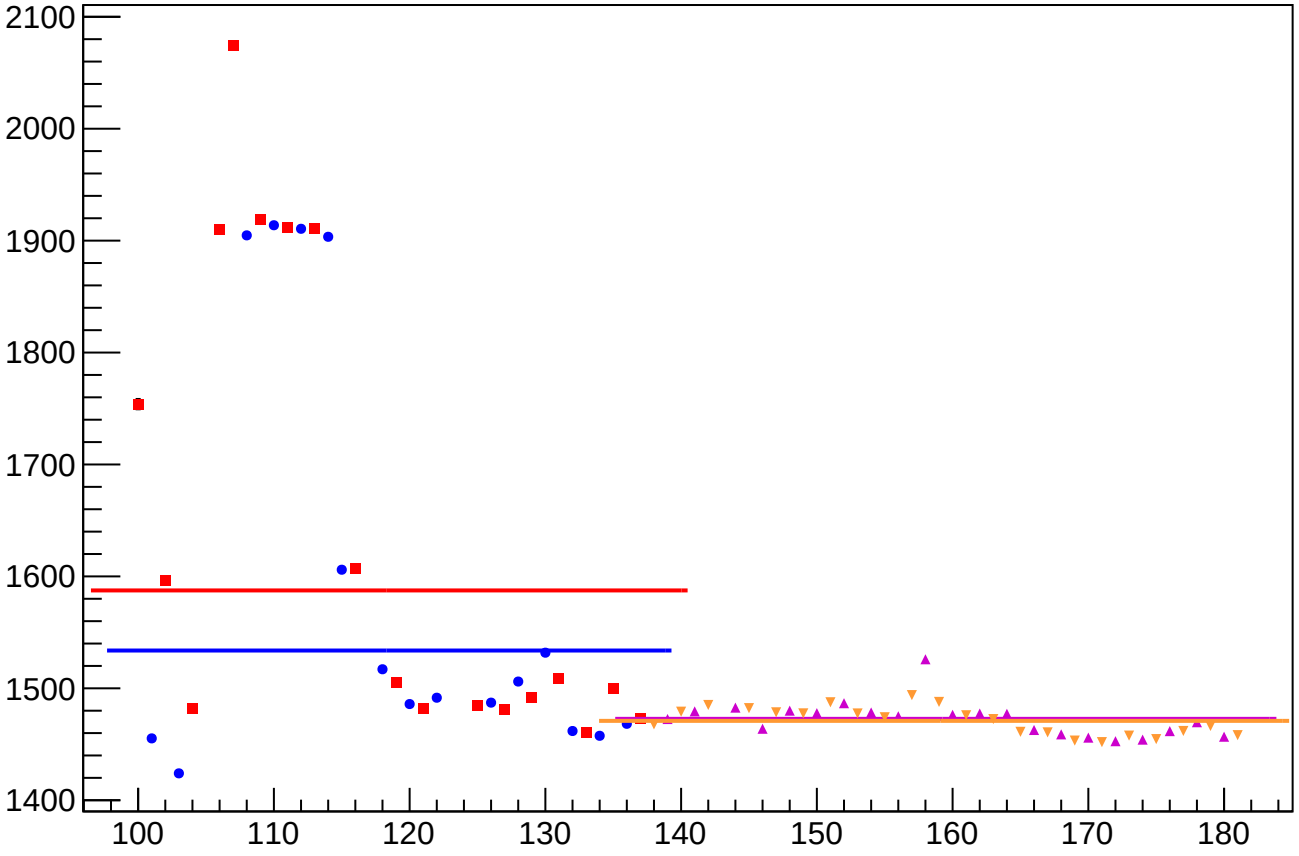
Left In: -1770.253+/-354.554 χ^2/NDF:24.2/20

+ sign 1482.591+/-299.487 χ^2/NDF: 31.7/37

All: -113.275+/-213.290 χ^2/NDF: 129.5/76

- sign -1755.817+/-303.836 χ^2/NDF: 40.2/38

reg_asym_usl_atl1_avg_rms vs Slug



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.6/15

Left Out: 1470.919+/-0.249 χ^2/NDF:2399.9/21

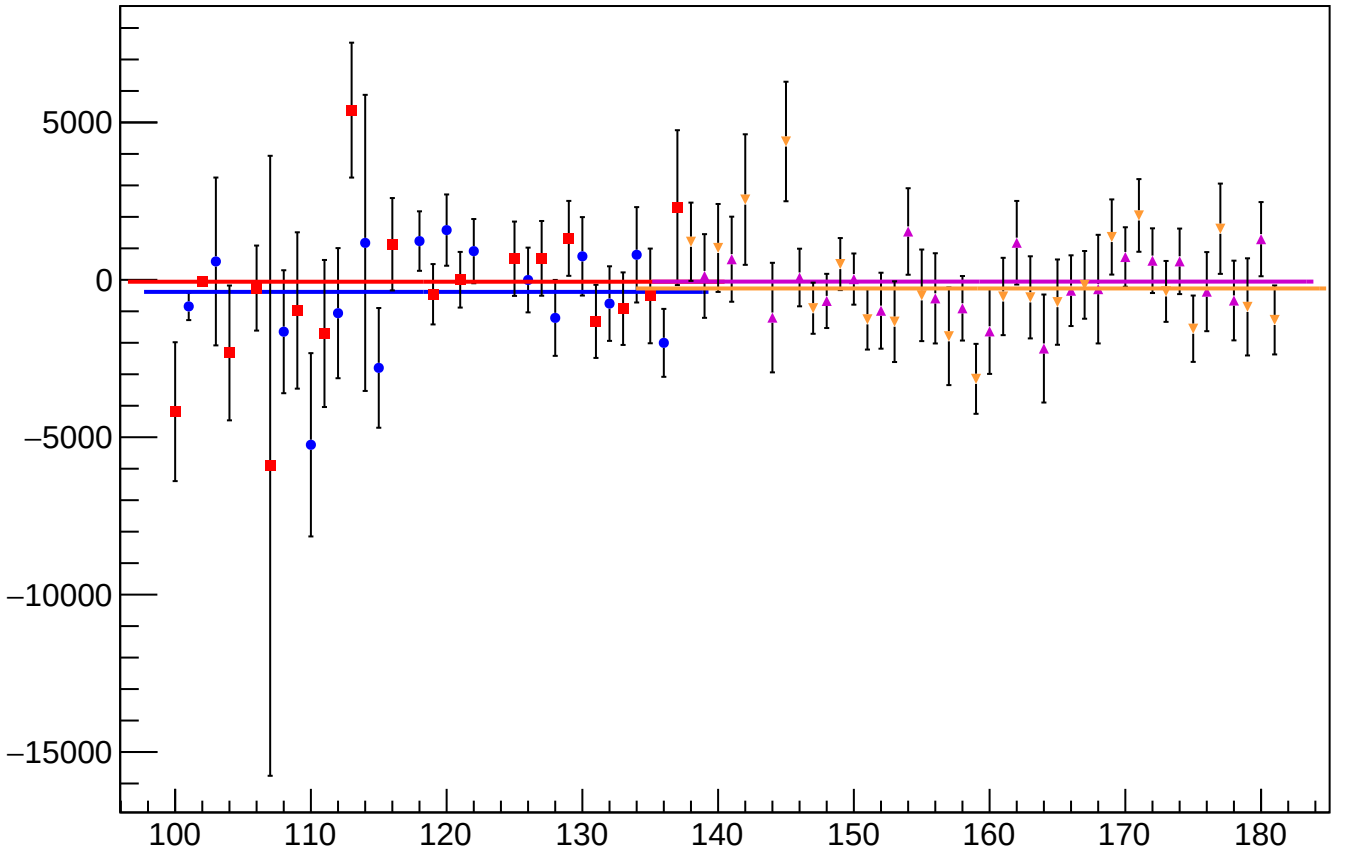
Right Out: 1587.461+/-0.417 χ^2/NDF: 171988.2/17

Left In: 1472.721+/-0.251 χ^2/NDF:3923.2/20

+ sign 1488.134+/-0.212 χ^2/NDF: 149189.8/37

All: 1495.558+/-0.151 χ^2/NDF: 383234.8/76

- sign 1503.200+/-0.215 χ^2/NDF: 231551.0/38



Right In: -382.787+/-272.209 χ^2/NDF: 18.2/15

Left Out: -274.216+/-251.133 χ^2/NDF:31.4/21

Right Out: -59.970+/-127.700 χ^2/NDF: 17.8/17

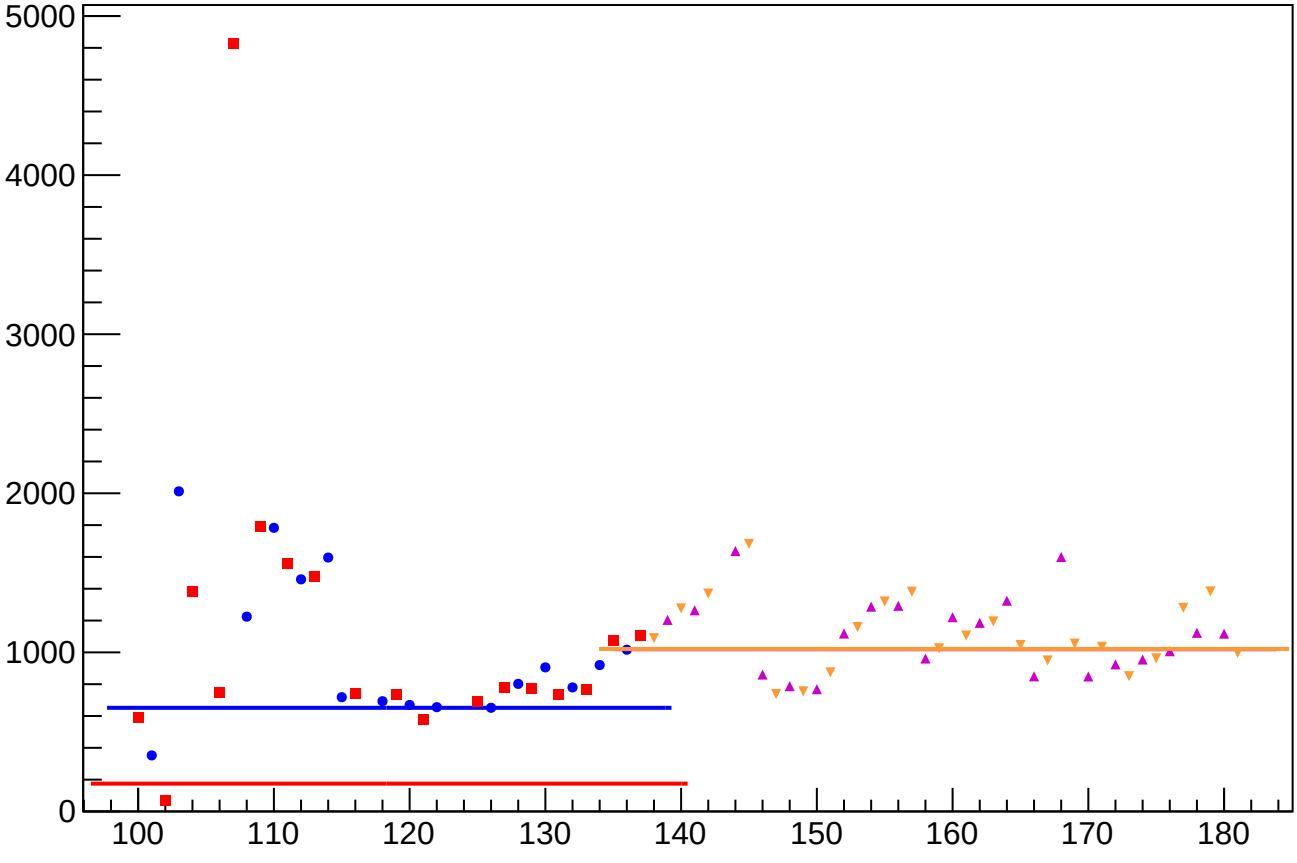
Left In: -56.023+/-252.324 χ^2/NDF:11.0/20

+ sign -324.136+/-184.579 χ^2/NDF: 49.6/37

All: -132.274+/-96.955 χ^2/NDF: 79.9/76

- sign -59.165+/-113.940 χ^2/NDF: 28.7/38

asym_usl_atl1_avg_reg_correction_rms vs Slug



Right In: 651.523+/-0.192 χ^2/NDF: 2762656.2/15

Left Out: 1021.506+/-0.178 χ^2/NDF:1385091.7/21

Right Out: 174.898+/-0.090 χ^2/NDF: 9761228.2/17

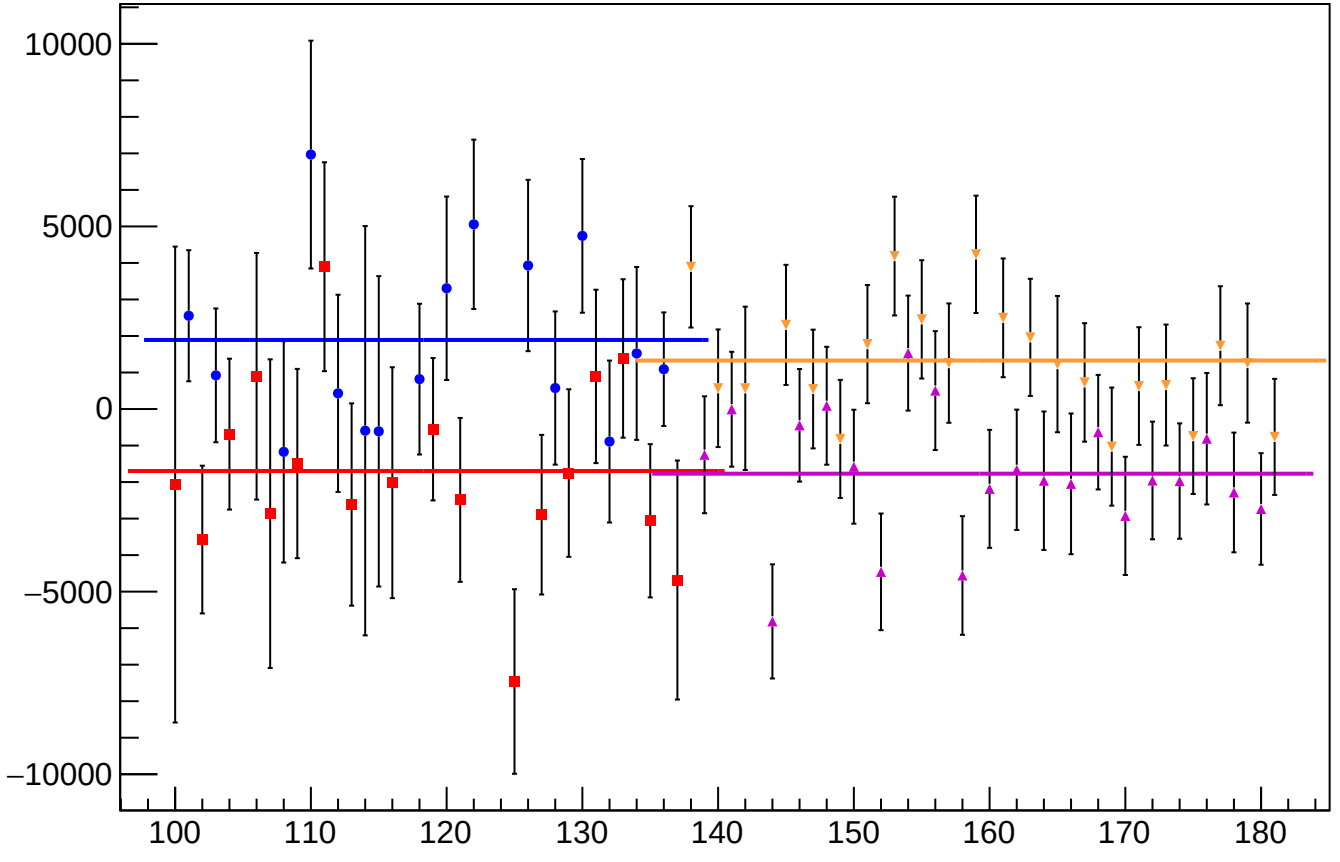
Left In: 1019.764+/-0.178 χ^2/NDF:1449953.4/20

+ sign 851.390+/-0.131 χ^2/NDF: 6143693.5/37

All: 486.293+/-0.069 χ^2/NDF: 46012086.5/76

- sign 347.172+/-0.081 χ^2/NDF: 29061743.5/38

cor_asym_usl_atl1_avg_mean vs Slug



Right In: 1891.562+/-572.244 χ^2/NDF: 12.2/15

Left Out: 1328.369+/-351.464 χ^2/NDF:18.8/21

Right Out: -1696.987+/-589.699 χ^2/NDF: 16.2/17

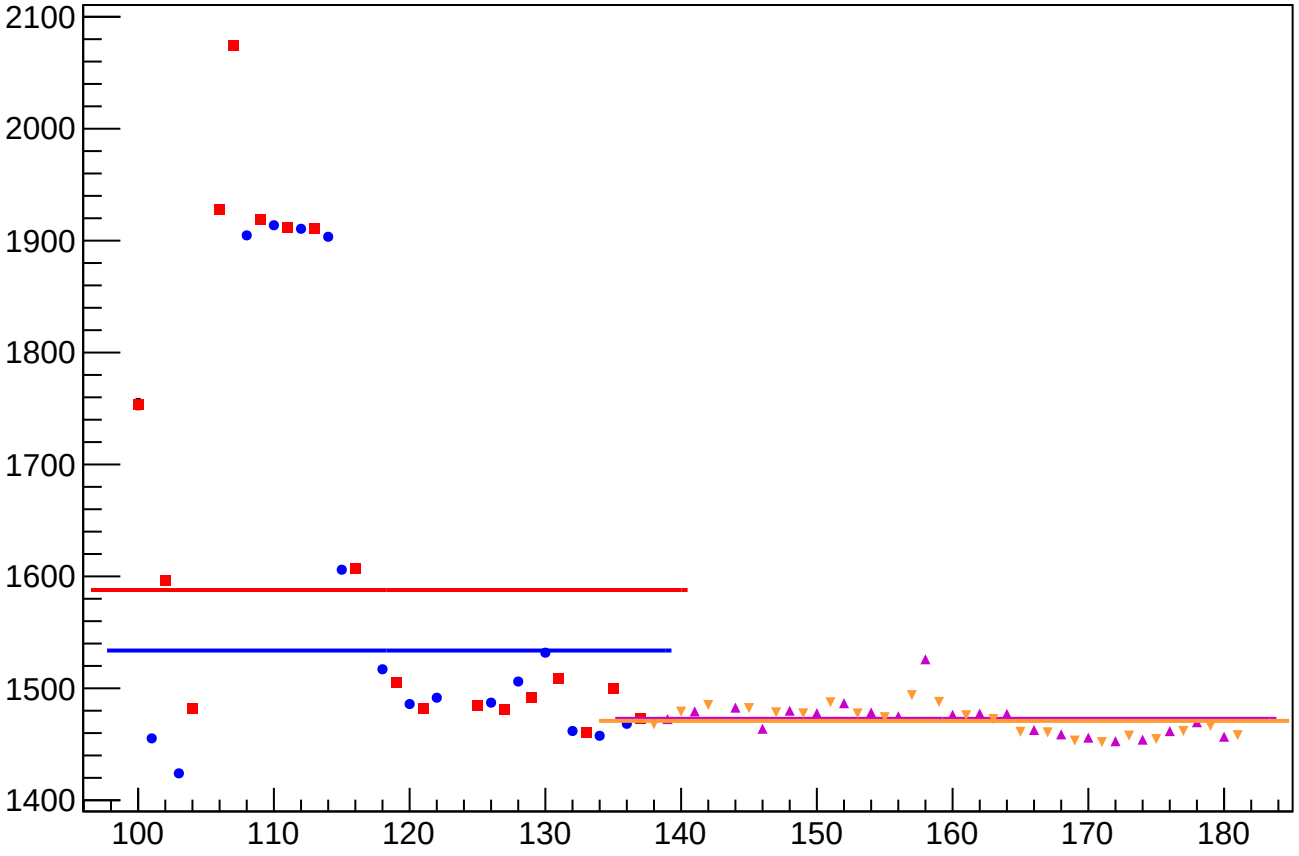
Left In: -1770.314+/-354.554 χ^2/NDF:24.2/20

+ sign 1482.628+/-299.488 χ^2/NDF: 31.7/37

All: -110.673+/-213.299 χ^2/NDF: 129.5/76

- sign -1750.845+/-303.861 χ^2/NDF: 40.4/38

cor_asym_usl_atl1_avg_rms vs Slug



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.5/15

Left Out: 1470.919+/-0.249 χ^2/NDF:2399.9/21

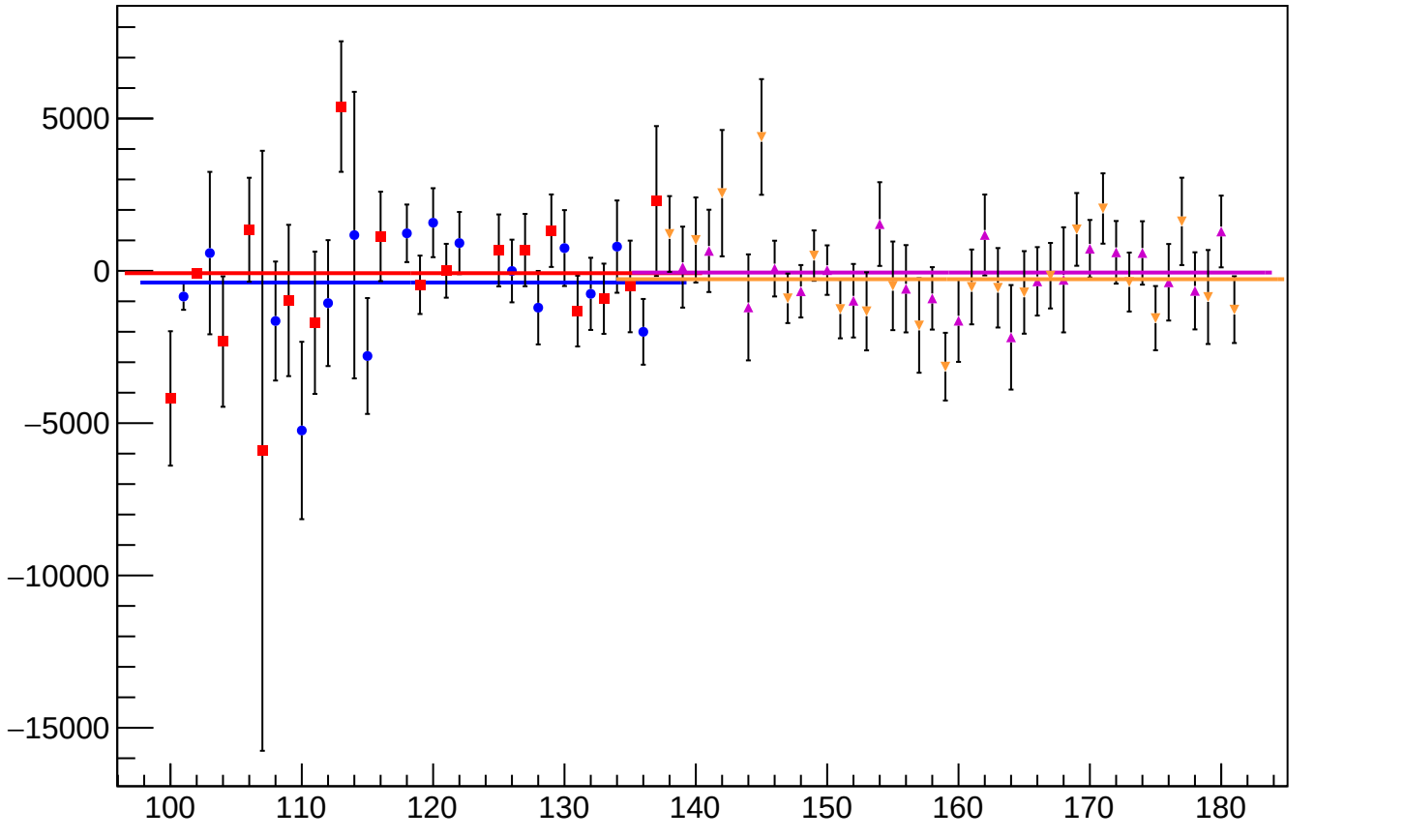
Right Out: 1587.846+/-0.417 χ^2/NDF: 173766.9/17

Left In: 1472.721+/-0.251 χ^2/NDF:3923.2/20

+ sign 1488.134+/-0.212 χ^2/NDF: 149189.8/37

All: 1495.601+/-0.151 χ^2/NDF: 385391.2/76

- sign 1503.288+/-0.215 χ^2/NDF: 233678.3/38



Right In: -382.761+/-272.209 χ^2/NDF: 18.2/15

Left Out: -274.179+/-251.133 χ^2/NDF:31.4/21

Right Out: -76.754+/-138.137 χ^2/NDF: 18.5/17

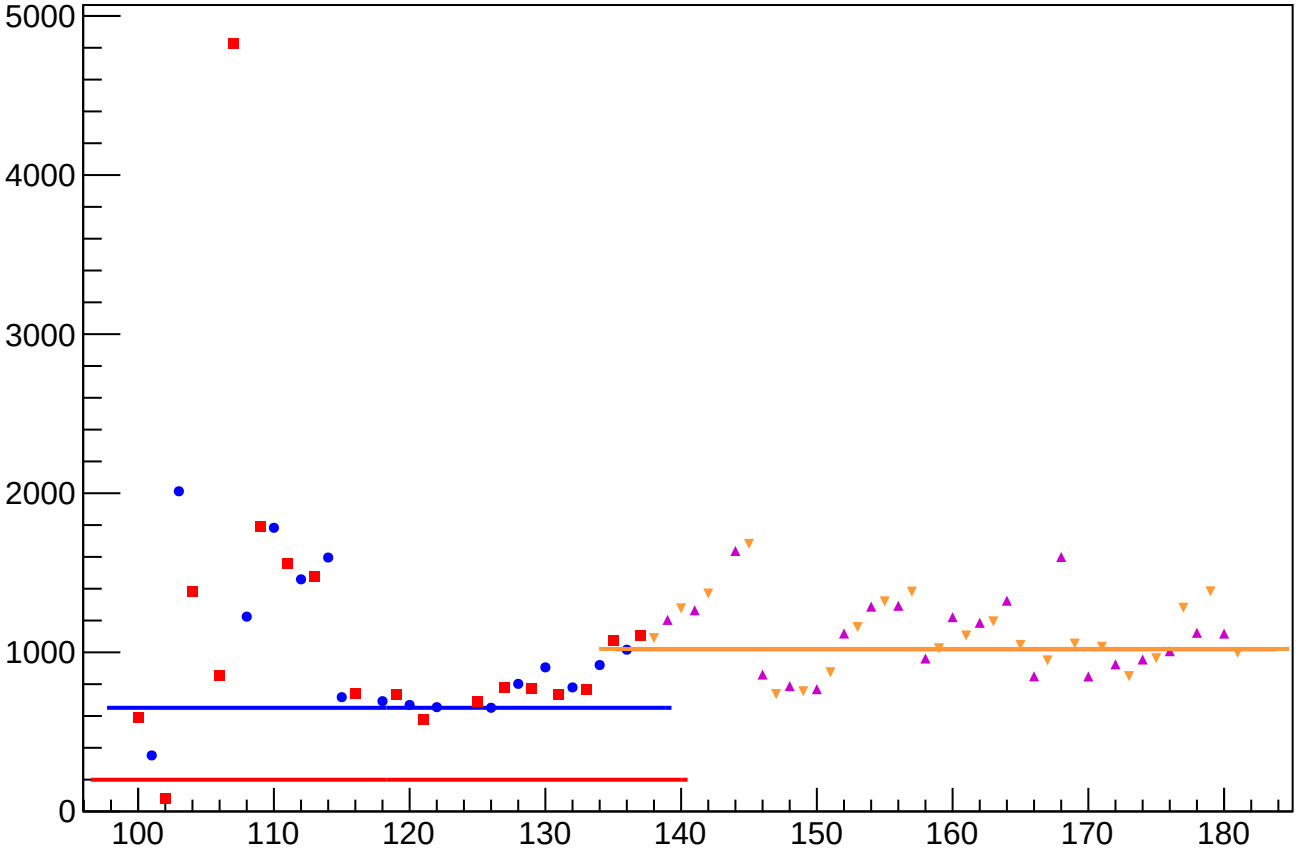
Left In: -56.093+/-252.324 χ^2/NDF:11.0/20

\+ sign -324.104+/-184.580 χ^2/NDF: 49.6/37

All: -147.915+/-101.293 χ^2/NDF: 80.4/76

\- sign -71.990+/-121.168 χ^2/NDF: 29.4/38

asym_usl_atl1_avg_cor_correction_rms vs Slug



Right In: 651.521+/-0.192 χ^2/NDF: 2762681.5/15

Left Out: 1021.508+/-0.178 χ^2/NDF:1385111.6/21

Right Out: 199.344+/-0.098 χ^2/NDF: 9284792.6/17

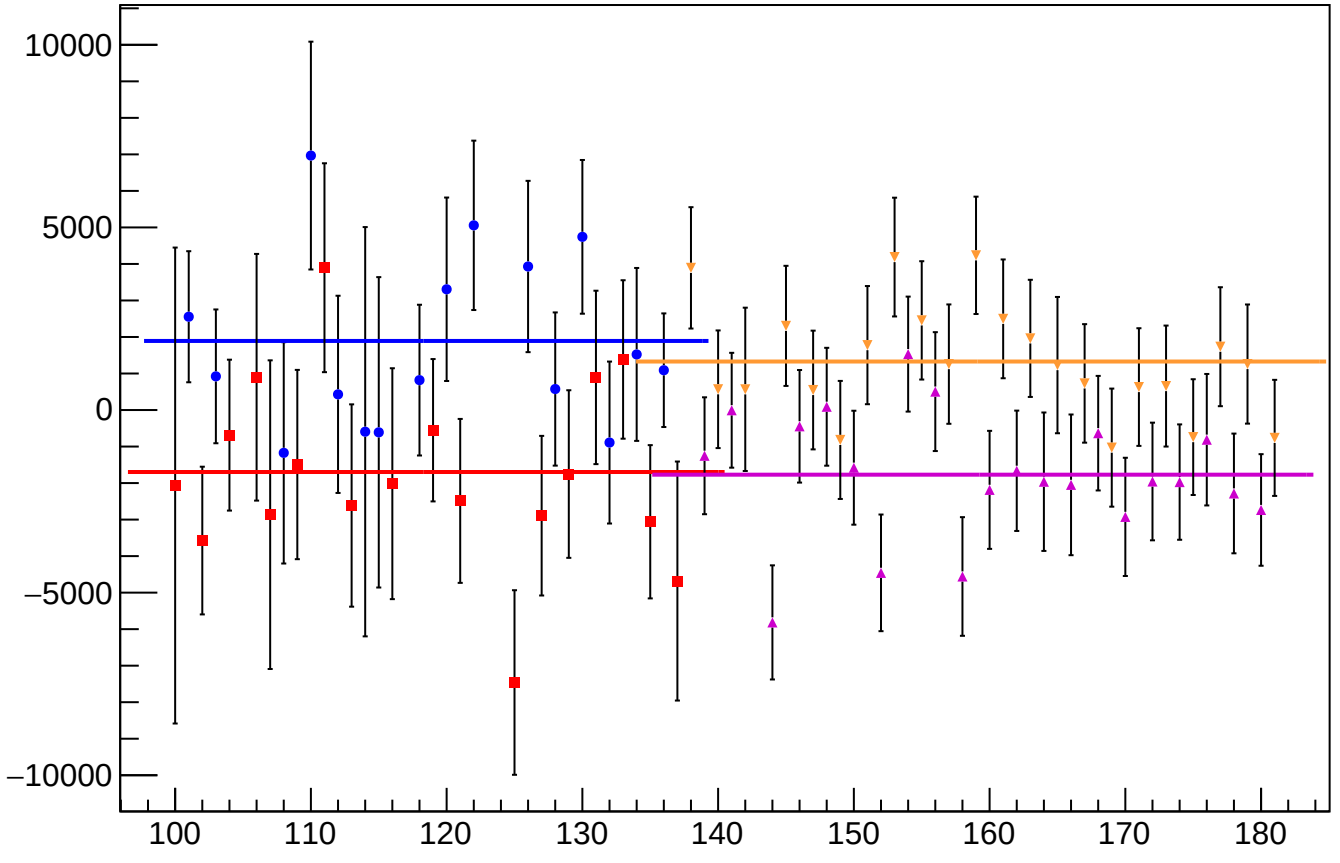
Left In: 1019.764+/-0.178 χ^2/NDF:1450036.2/20

+ sign 851.390+/-0.131 χ^2/NDF: 6143778.5/37

All: 527.923+/-0.072 χ^2/NDF: 41935797.5/76

- sign 388.531+/-0.086 χ^2/NDF: 27002964.9/38

eigen_cor_asym_usl_atl1_avg_mean vs Slug



Right In: 1891.562+/-572.244 χ^2/NDF: 12.2/15

Left Out: 1328.369+/-351.464 χ^2/NDF:18.8/21

Right Out: -1696.987+/-589.699 χ^2/NDF: 16.2/17

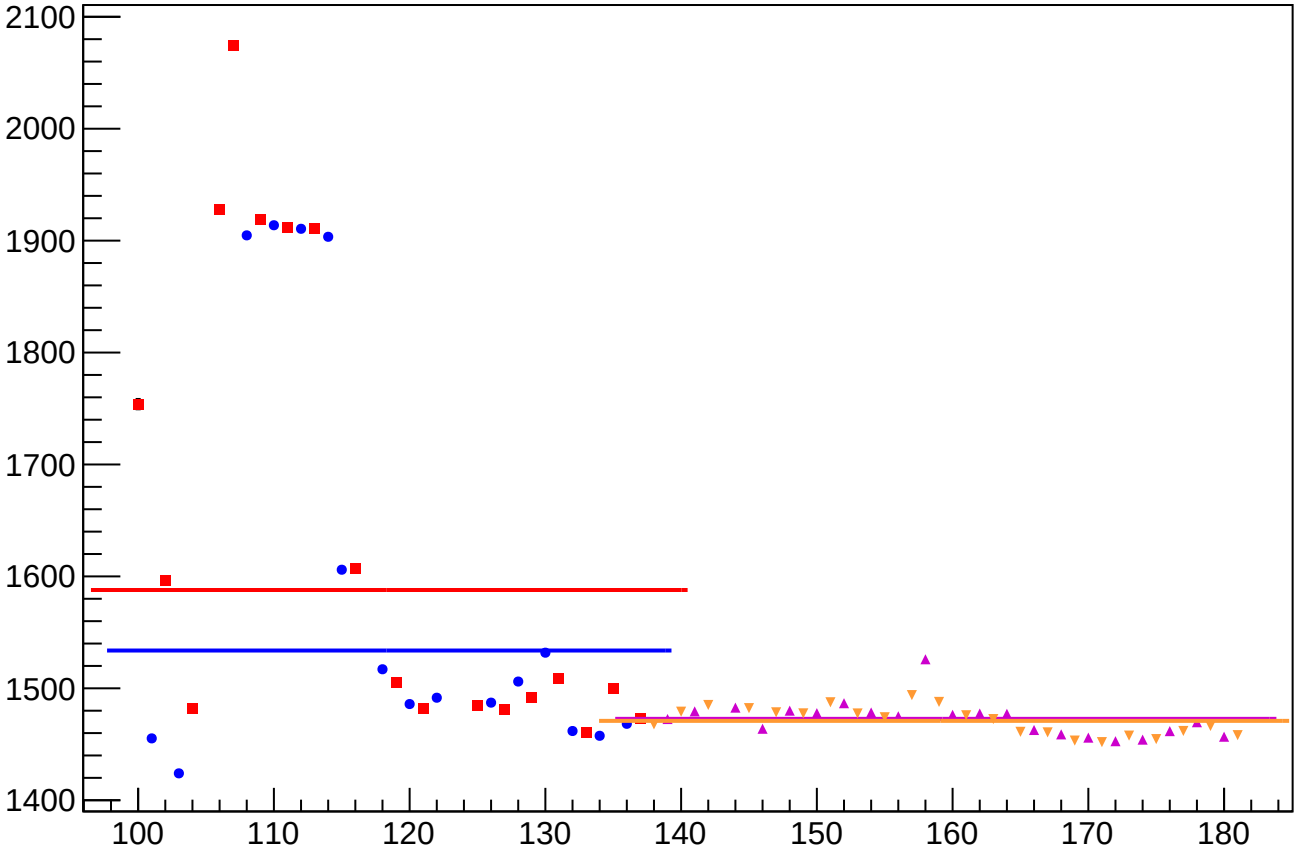
Left In: -1770.314+/-354.554 χ^2/NDF:24.2/20

+ sign 1482.628+/-299.488 χ^2/NDF: 31.7/37

All: -110.673+/-213.299 χ^2/NDF: 129.5/76

- sign -1750.845+/-303.861 χ^2/NDF: 40.4/38

eigen_cor_asym_usl_atl1_avg_rms vs Slug



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.5/15

Left Out: 1470.919+/-0.249 χ^2/NDF:2399.9/21

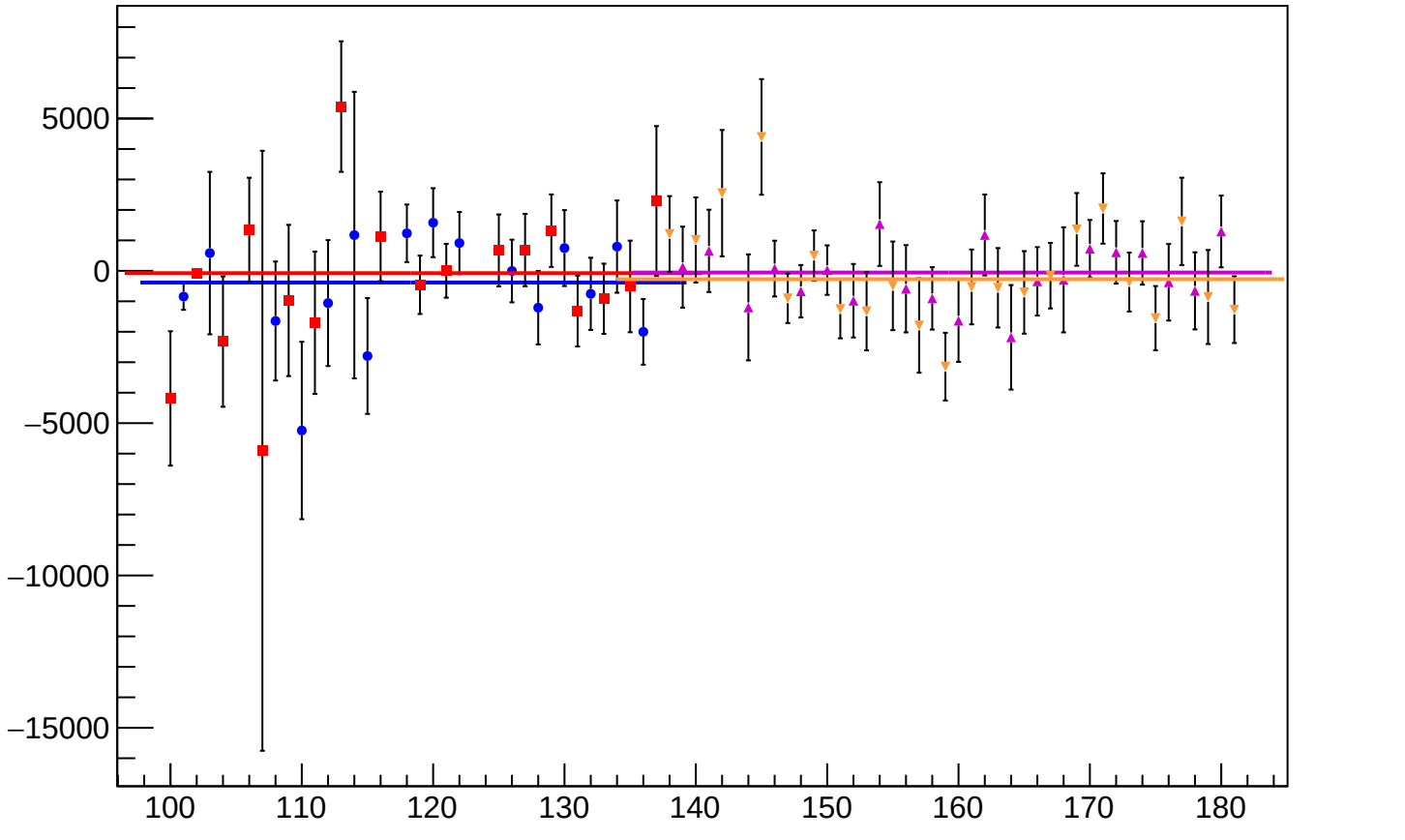
Right Out: 1587.846+/-0.417 χ^2/NDF: 173766.9/17

Left In: 1472.721+/-0.251 χ^2/NDF:3923.2/20

+ sign 1488.134+/-0.212 χ^2/NDF: 149189.8/37

All: 1495.601+/-0.151 χ^2/NDF: 385391.2/76

- sign 1503.288+/-0.215 χ^2/NDF: 233678.3/38



Right In: -382.761+/-272.209 χ^2/NDF: 18.2/15

Left Out: -274.179+/-251.133 χ^2/NDF:31.4/21

Right Out: -76.754+/-138.137 χ^2/NDF: 18.5/17

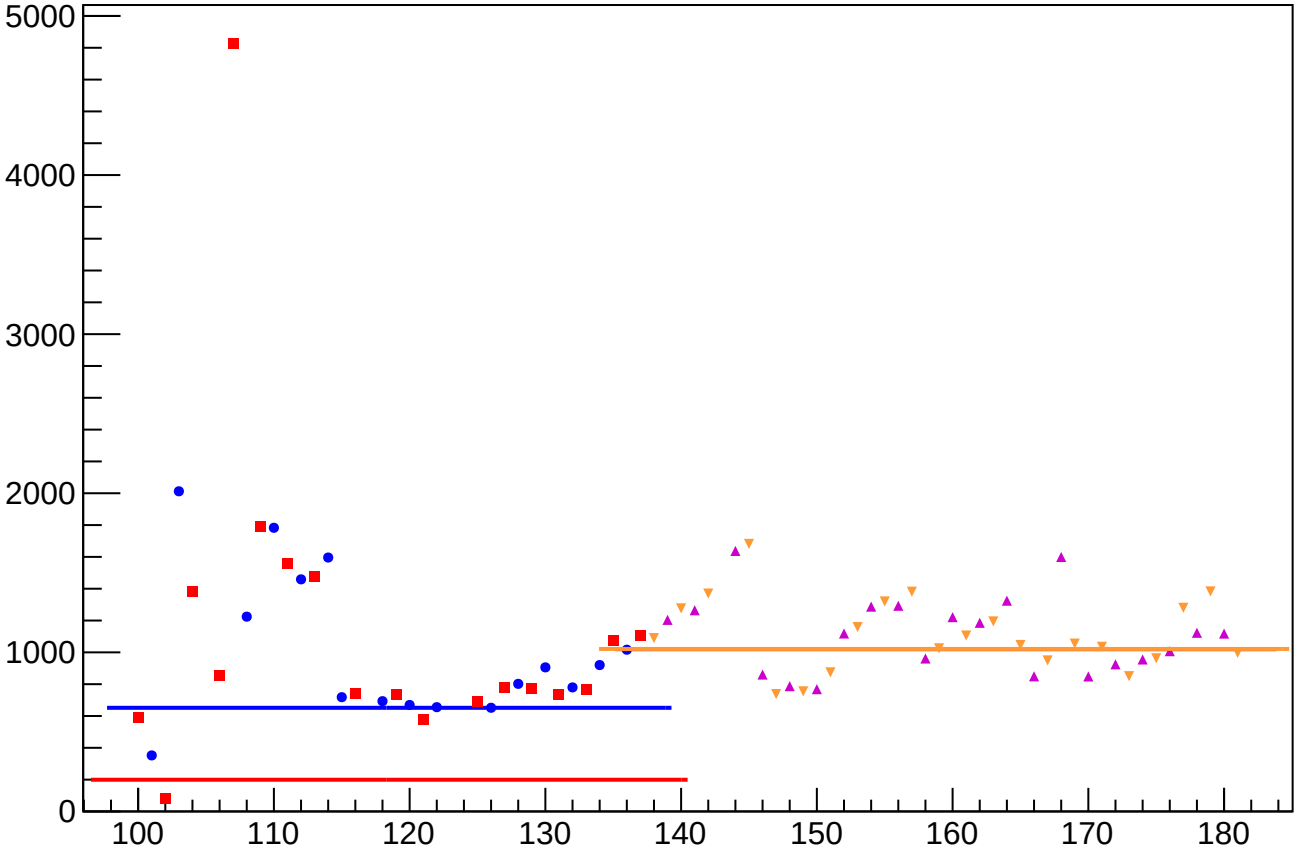
Left In: -56.093+/-252.324 χ^2/NDF:11.0/20

+ sign -324.104+/-184.580 χ^2/NDF: 49.6/37

All: -147.915+/-101.293 χ^2/NDF: 80.4/76

- sign -71.990+/-121.168 χ^2/NDF: 29.4/38

asym_usl_atl1_avg_eigen_cor_correction_rms vs Slug



Right In: 651.521+/-0.192 χ^2/NDF: 2762681.5/15

Left Out: 1021.508+/-0.178 χ^2/NDF:1385111.6/21

Right Out: 199.344+/-0.098 χ^2/NDF: 9284792.6/17

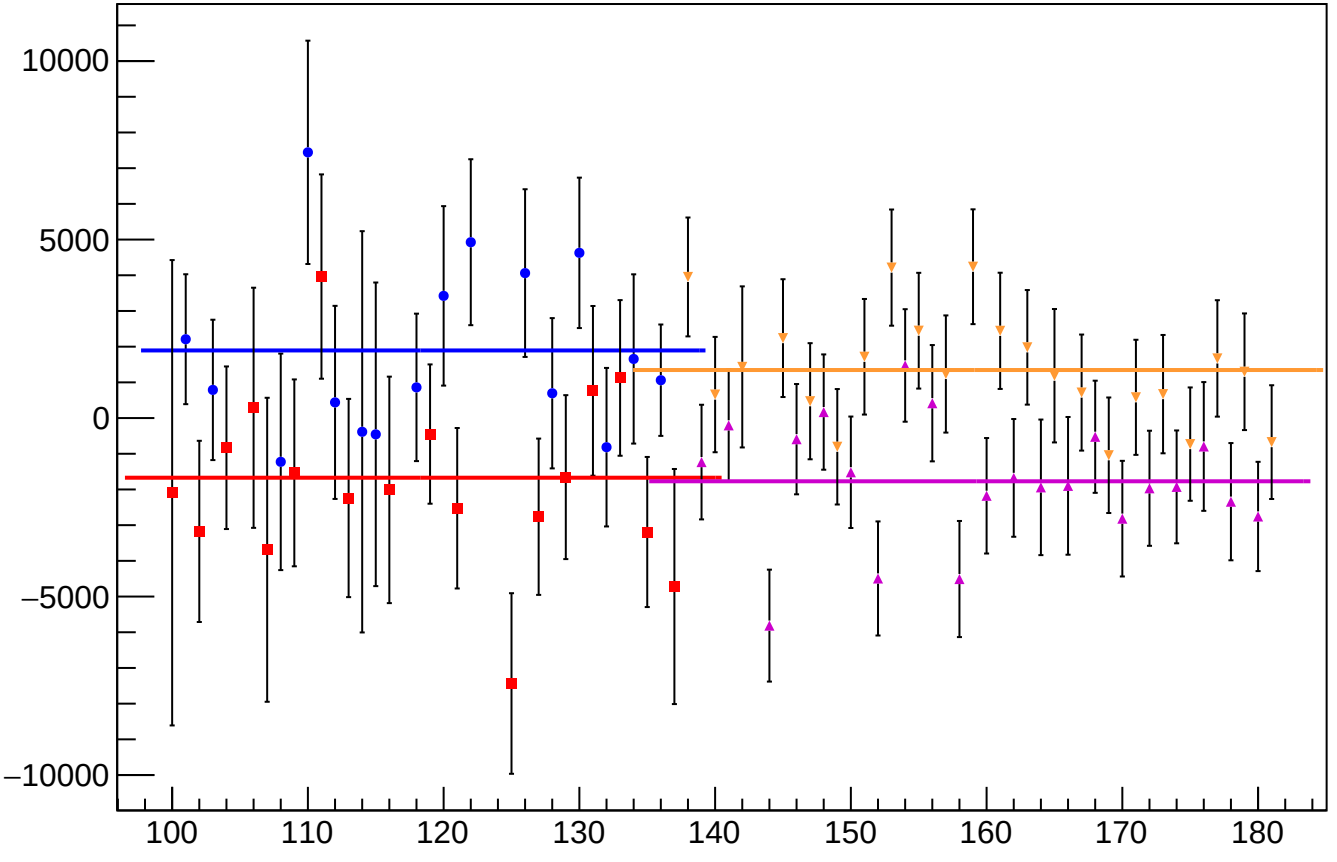
Left In: 1019.764+/-0.178 χ^2/NDF:1450036.2/20

+ sign 851.390+/-0.131 χ^2/NDF: 6143778.5/37

All: 527.923+/-0.072 χ^2/NDF: 41935797.5/76

- sign 388.531+/-0.086 χ^2/NDF: 27002964.9/38

dit_asym_usl_atl1_avg_mean vs Slug



Right In: 1894.171+/-577.631 χ^2/NDF: 12.3/15

Left Out: 1345.820+/-352.062 χ^2/NDF:18.5/21

Right Out: -1670.933+/-604.838 χ^2/NDF: 15.0/17

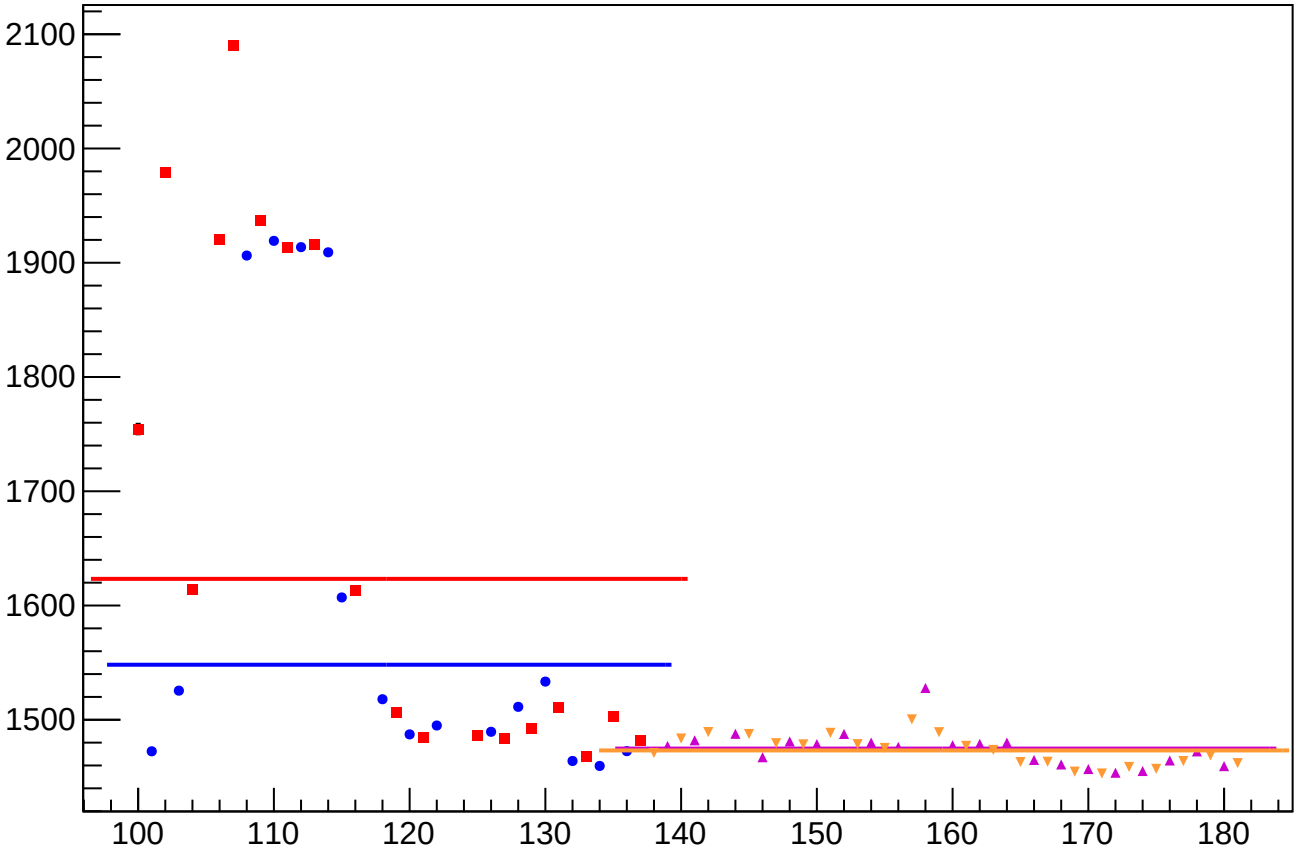
Left In: -1770.952+/-355.057 χ^2/NDF:23.6/20

+ sign 1494.347+/-300.624 χ^2/NDF: 31.5/37

All: -95.736+/-214.517 χ^2/NDF: 127.1/76

- sign -1745.319+/-306.197 χ^2/NDF: 38.6/38

dit_asym_usl_atl1_avg_rms vs Slug



Right In: 1548.174+/-0.408 χ^2/NDF: 119905.3/15

Left Out: 1473.177+/-0.249 χ^2/NDF:2603.3/21

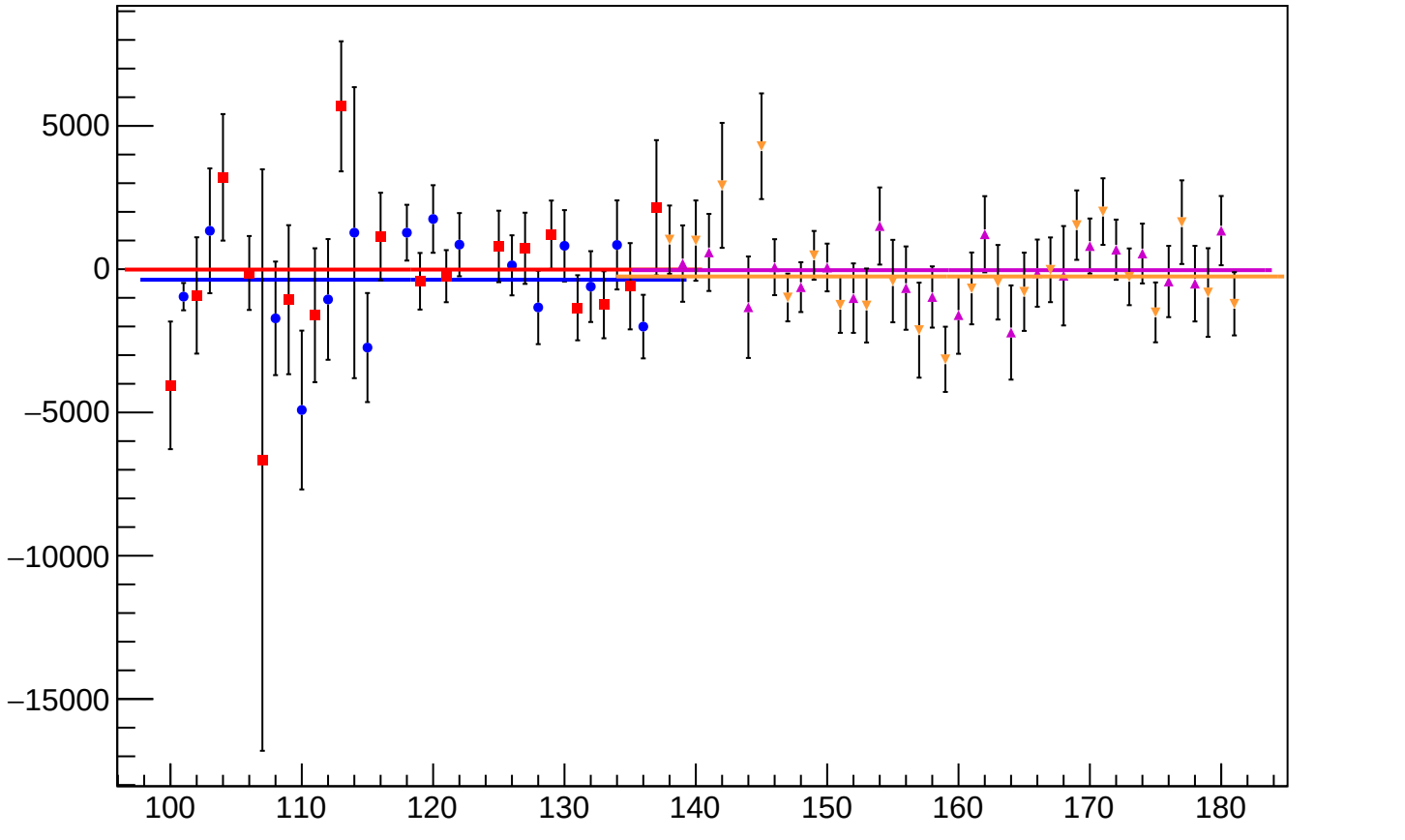
Right Out: 1623.331+/-0.428 χ^2/NDF: 211534.0/17

Left In: 1474.794+/-0.251 χ^2/NDF:3966.3/20

+ sign 1493.491+/-0.213 χ^2/NDF: 147090.9/37

All: 1502.998+/-0.152 χ^2/NDF: 456373.7/76

- sign 1512.862+/-0.217 χ^2/NDF: 305207.3/38



Right In: -368.708+/-286.577 χ^2/NDF: 18.9/15

Left Out: -255.064+/-254.662 χ^2/NDF:31.4/21

Right Out: -13.729+/-341.569 χ^2/NDF: 19.1/17

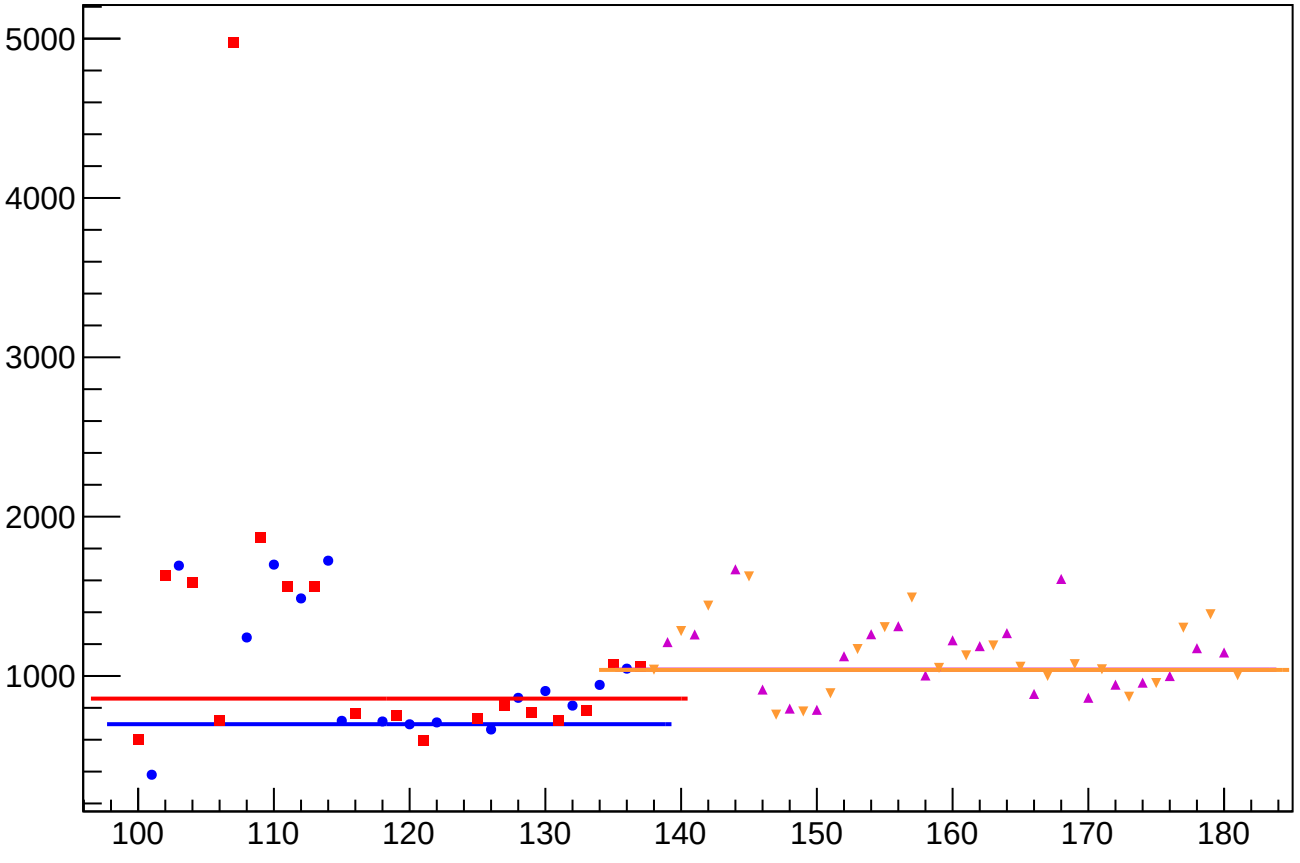
Left In: -34.598+/-256.560 χ^2/NDF:11.3/20

+ sign -305.208+/-190.361 χ^2/NDF: 50.4/37

All: -176.517+/-139.537 χ^2/NDF: 81.7/76

- sign -27.071+/-205.138 χ^2/NDF: 30.3/38

asym_usl_atl1_avg_dit_correction_rms vs Slug



Right In: 697.517+/-0.203 χ^2/NDF: 2435601.0/15

Left Out: 1038.100+/-0.180 χ^2/NDF:1314558.8/21

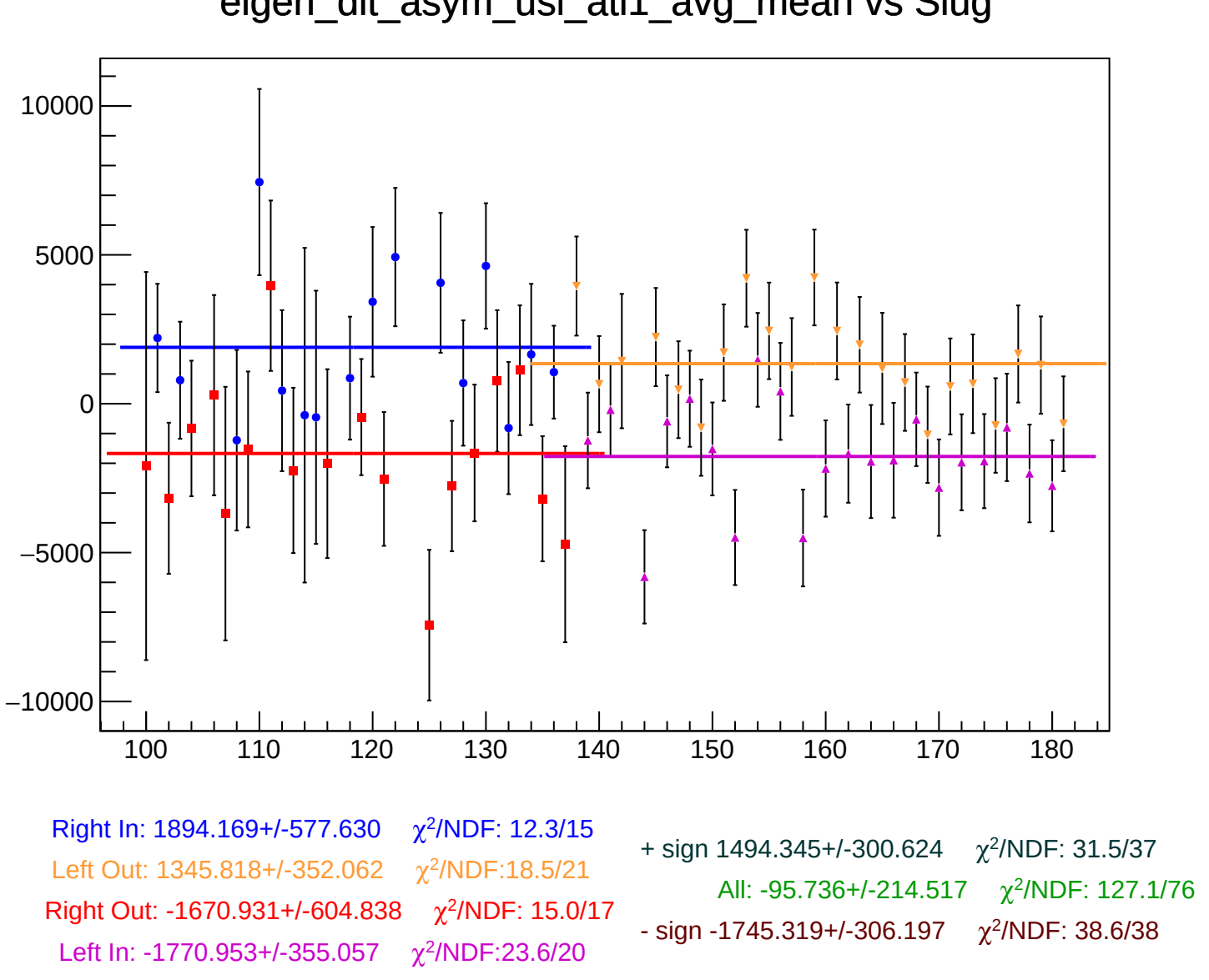
Right Out: 858.095+/-0.242 χ^2/NDF: 1882164.5/17

Left In: 1039.879+/-0.181 χ^2/NDF:1336266.4/20

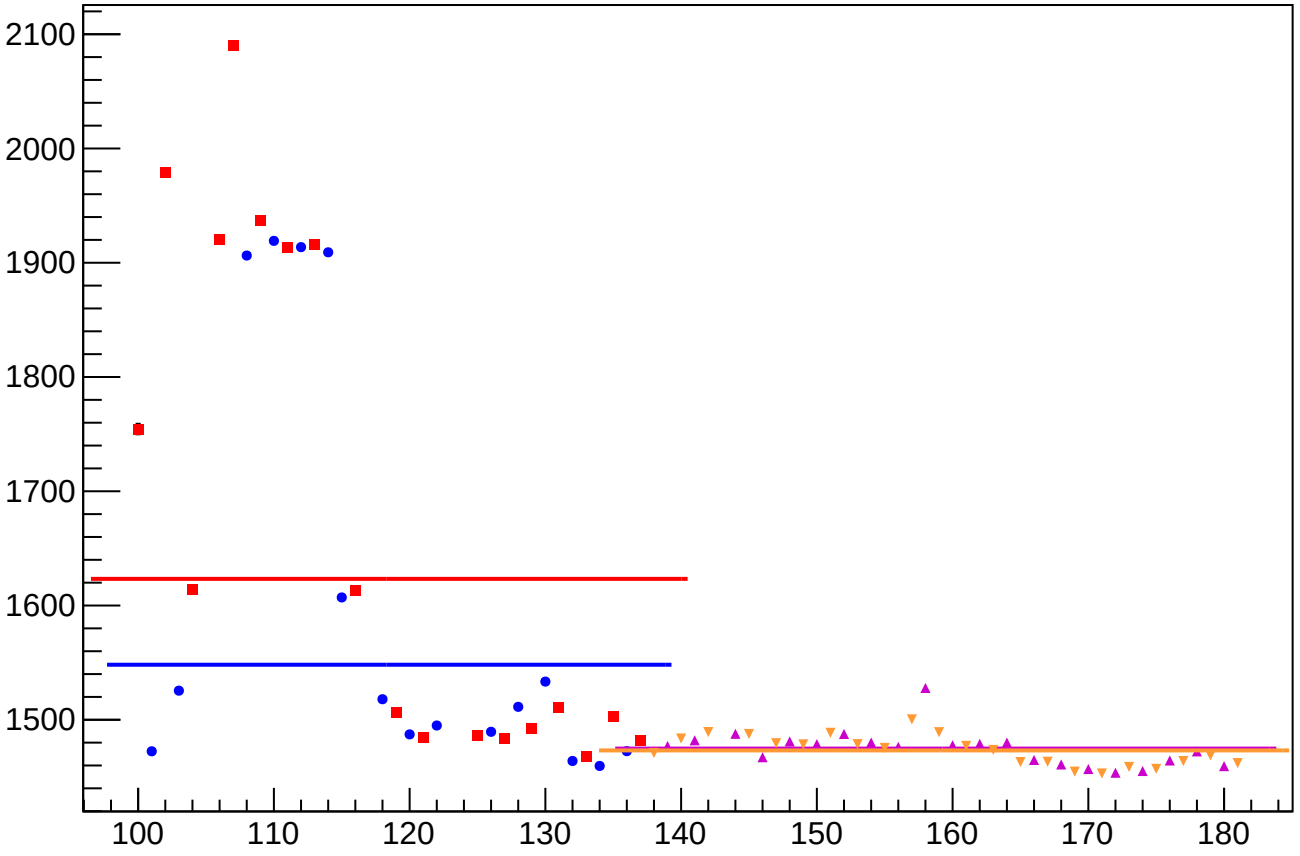
+ sign 887.821+/-0.135 χ^2/NDF: 5328579.2/37

All: 927.839+/-0.099 χ^2/NDF: 9100191.1/76

- sign 974.311+/-0.145 χ^2/NDF: 3580584.6/38


eigen_dit_asym_usl_atl1_avg_mean vs Slug
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
180
Right In: 1894.169+/-577.630 χ²/NDF: 12.3/15
Left Out: 1345.818+/-352.062 χ²/NDF:18.5/21
Right Out: -1670.931+/-604.838 χ²/NDF: 15.0/17
Left In: -1770.953+/-355.057 χ²/NDF:23.6/20
+ sign 1494.345+/-300.624 χ²/NDF: 31.5/37
All: -95.736+/-214.517 χ²/NDF: 127.1/76
- sign -1745.319+/-306.197 χ²/NDF: 38.6/38

eigen_dit_asym_usl_atl1_avg_rms vs Slug



Right In: 1548.174+/-0.408 χ^2/NDF: 119905.4/15

Left Out: 1473.177+/-0.249 χ^2/NDF:2603.3/21

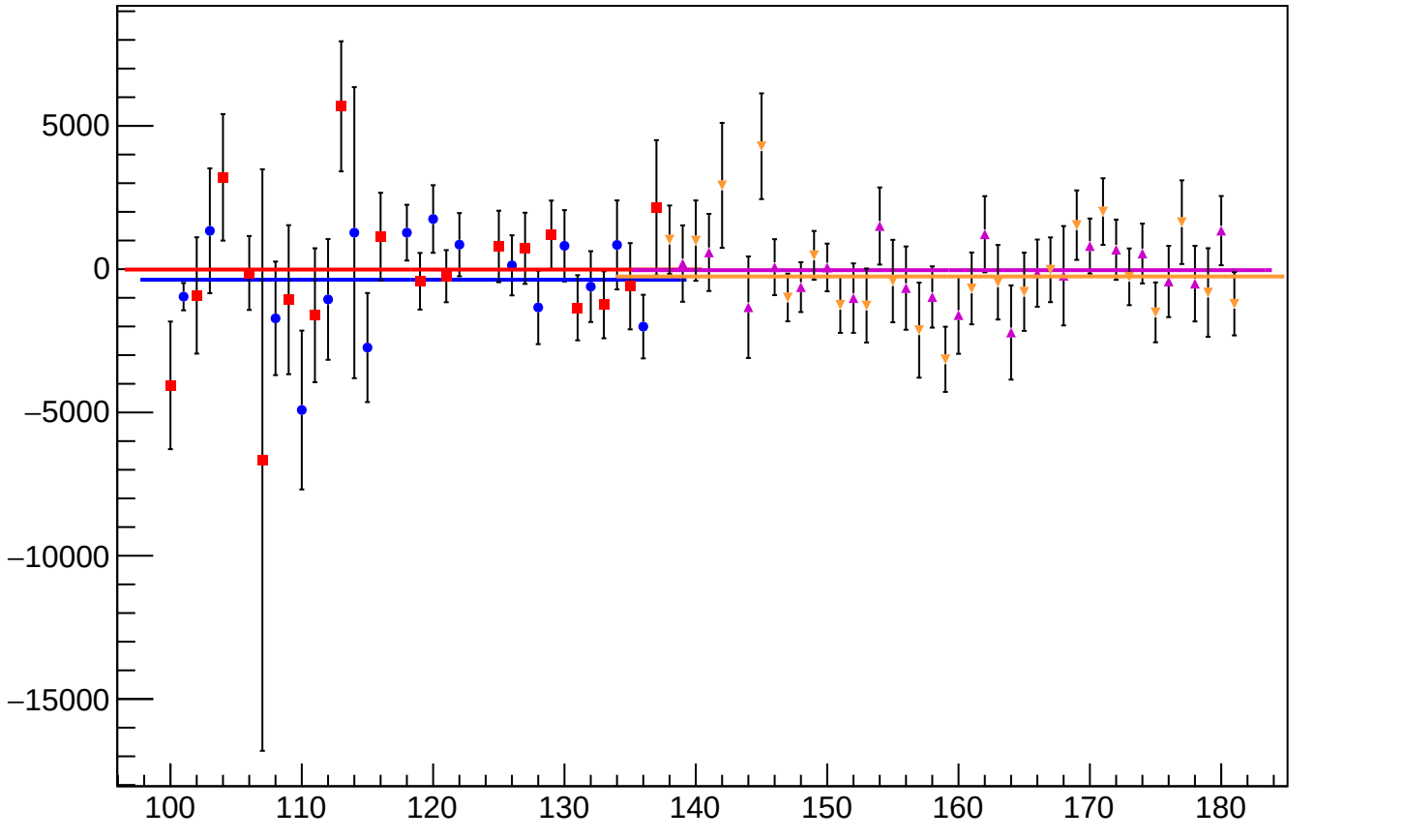
Right Out: 1623.330+/-0.428 χ^2/NDF: 211533.9/17

Left In: 1474.794+/-0.251 χ^2/NDF:3966.3/20

+ sign 1493.491+/-0.213 χ^2/NDF: 147090.8/37

All: 1502.998+/-0.152 χ^2/NDF: 456373.1/76

- sign 1512.862+/-0.217 χ^2/NDF: 305206.8/38



Right In: -368.707+/-286.576 χ^2/NDF: 18.9/15

Left Out: -255.066+/-254.663 χ^2/NDF:31.4/21

Right Out: -13.730+/-341.568 χ^2/NDF: 19.1/17

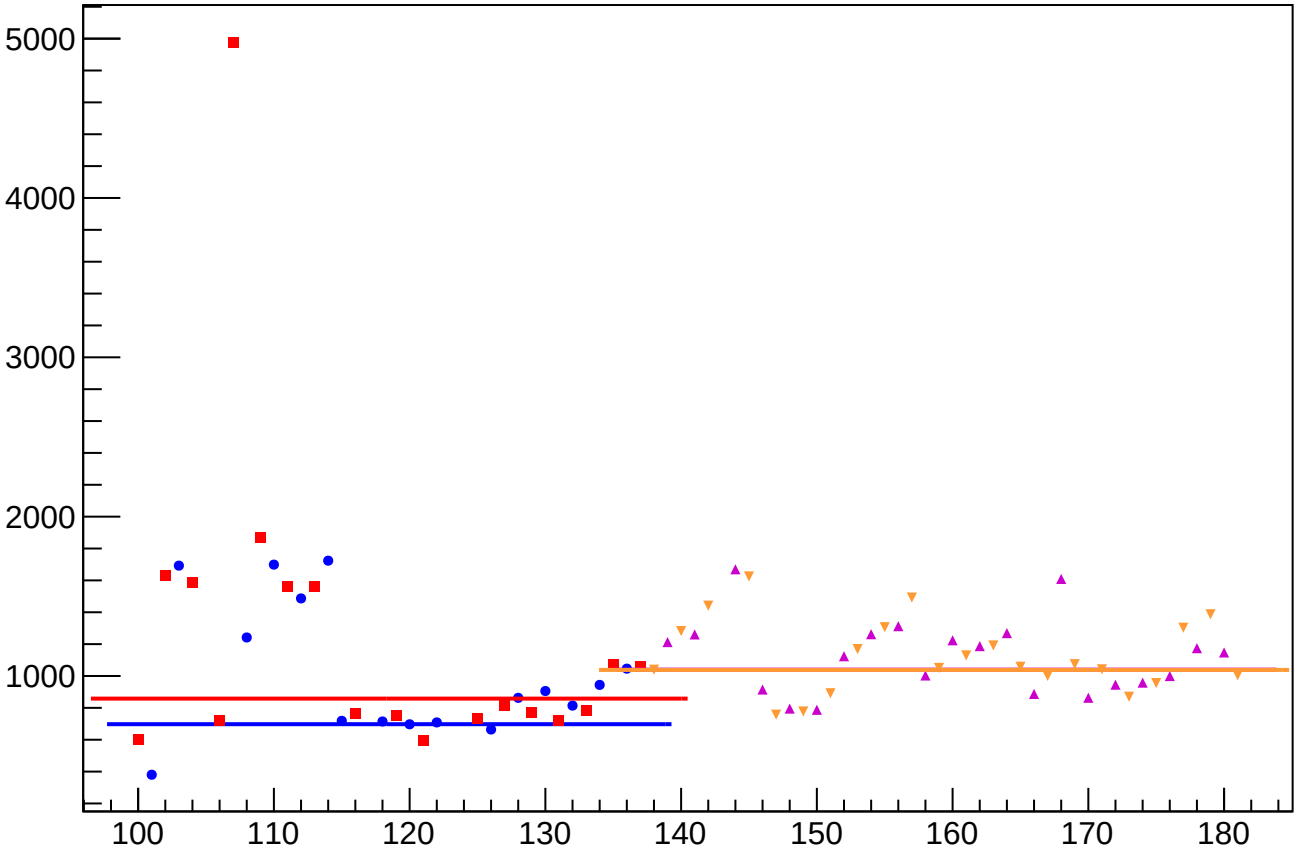
Left In: -34.598+/-256.561 χ^2/NDF:11.3/20

+ sign -305.209+/-190.361 χ^2/NDF: 50.4/37

All: -176.517+/-139.537 χ^2/NDF: 81.7/76

- sign -27.071+/-205.138 χ^2/NDF: 30.3/38

asym_usl_atl1_avg_eigen_dit_correction_rms vs Slug



Right In: 697.517+/-0.203 χ^2/NDF: 2435593.9/15

Left Out: 1038.102+/-0.180 χ^2/NDF:1314557.0/21

Right Out: 858.094+/-0.242 χ^2/NDF: 1882174.1/17

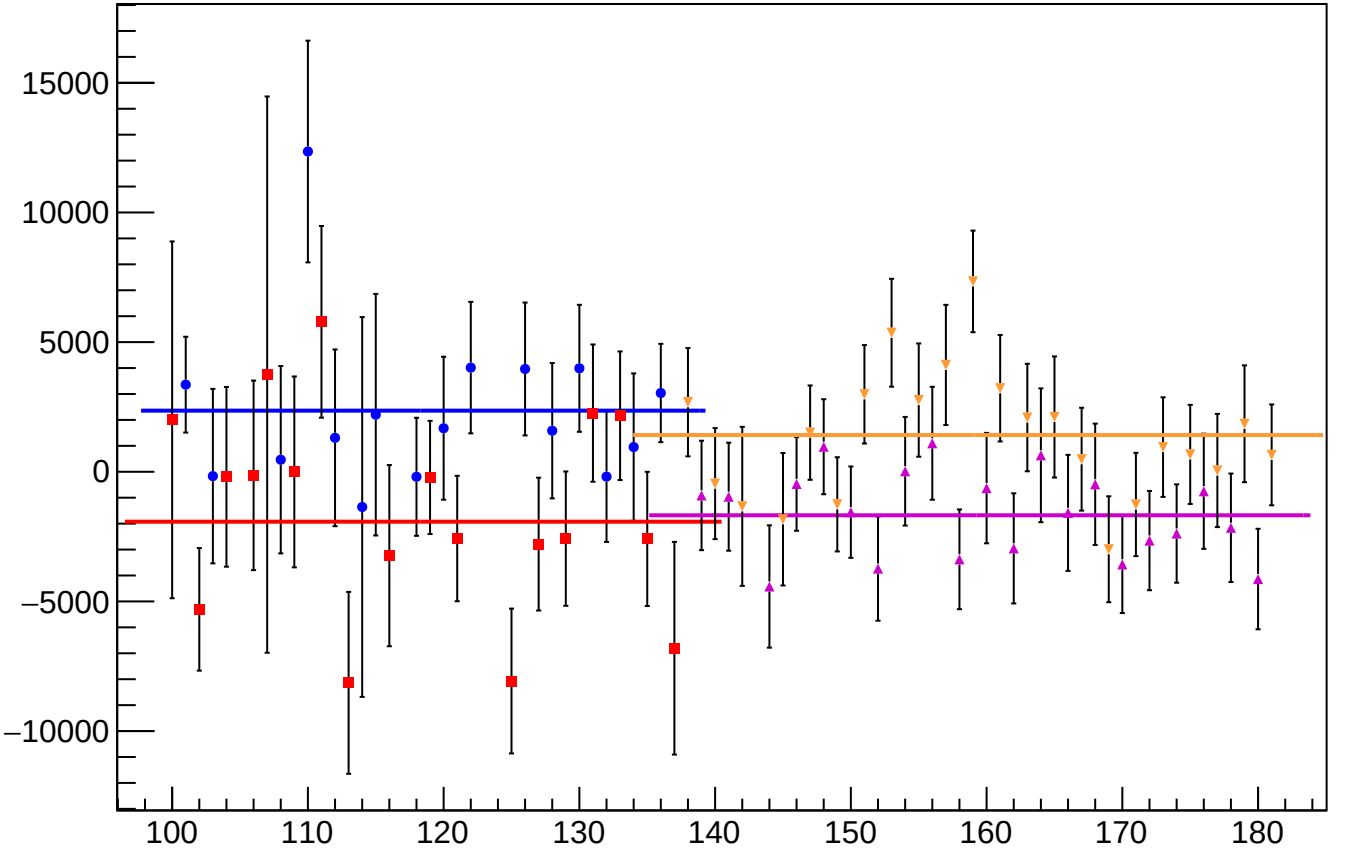
Left In: 1039.880+/-0.181 χ^2/NDF:1336262.7/20

+ sign 887.822+/-0.135 χ^2/NDF: 5328582.1/37

All: 927.840+/-0.099 χ^2/NDF: 9100211.1/76

- sign 974.311+/-0.145 χ^2/NDF: 3580603.6/38

asym_usl_atl1_avg_mean vs Slug



Right In: 2356.998+/-678.944 χ^2/NDF: 11.0/15

Left Out: 1416.045+/-443.125 χ^2/NDF:29.3/21

Right Out: -1924.824+/-706.809 χ^2/NDF: 23.4/17

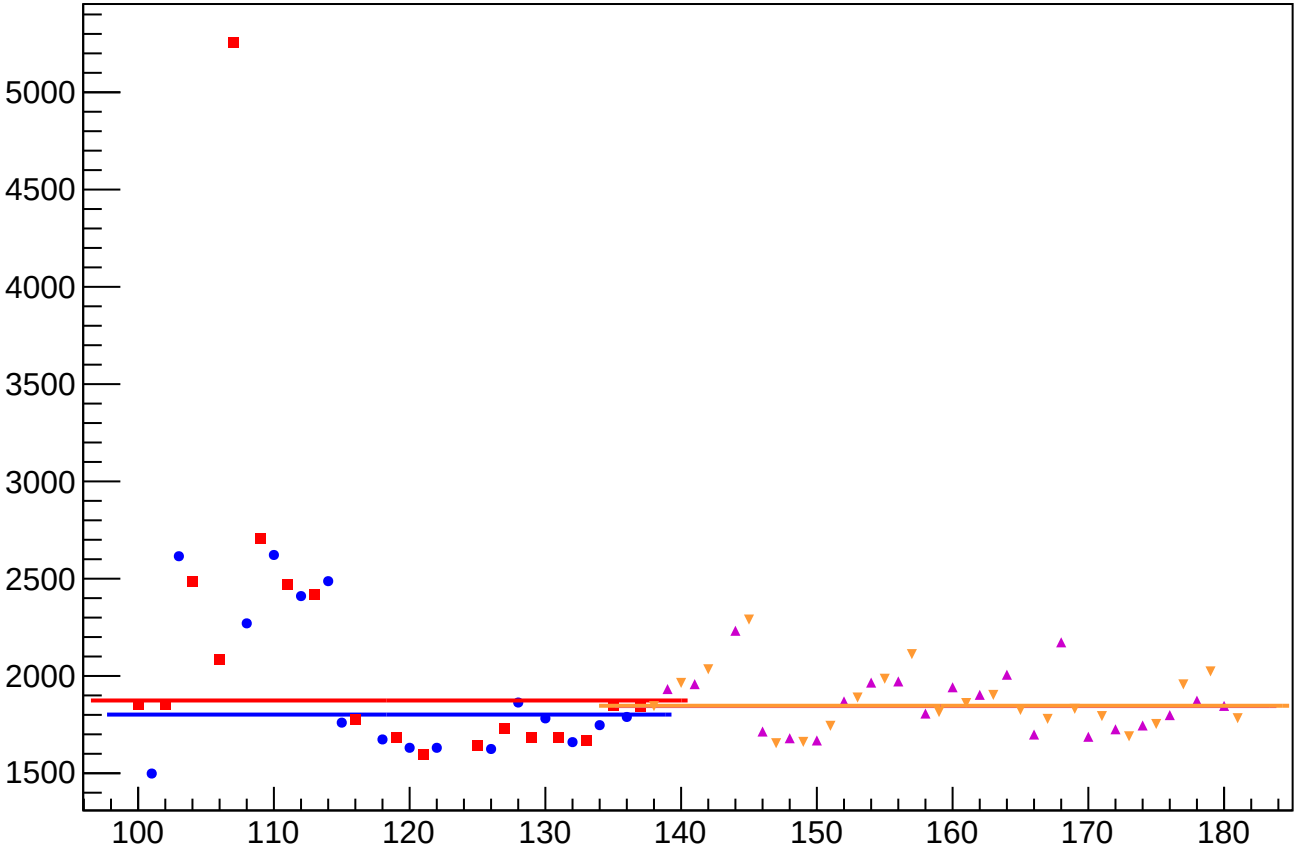
Left In: -1677.972+/-446.071 χ^2/NDF:13.2/20

+ sign 1697.132+/-371.082 χ^2/NDF: 41.7/37

All: 2.722+/-264.541 χ^2/NDF: 120.8/76

- sign -1748.286+/-377.229 χ^2/NDF: 36.7/38

asym_usl_atl1_avg_rms vs Slug



Right In: 1801.529+/-0.480 χ^2/NDF: 400702.5/15

Left Out: 1846.877+/-0.313 χ^2/NDF:201847.4/21

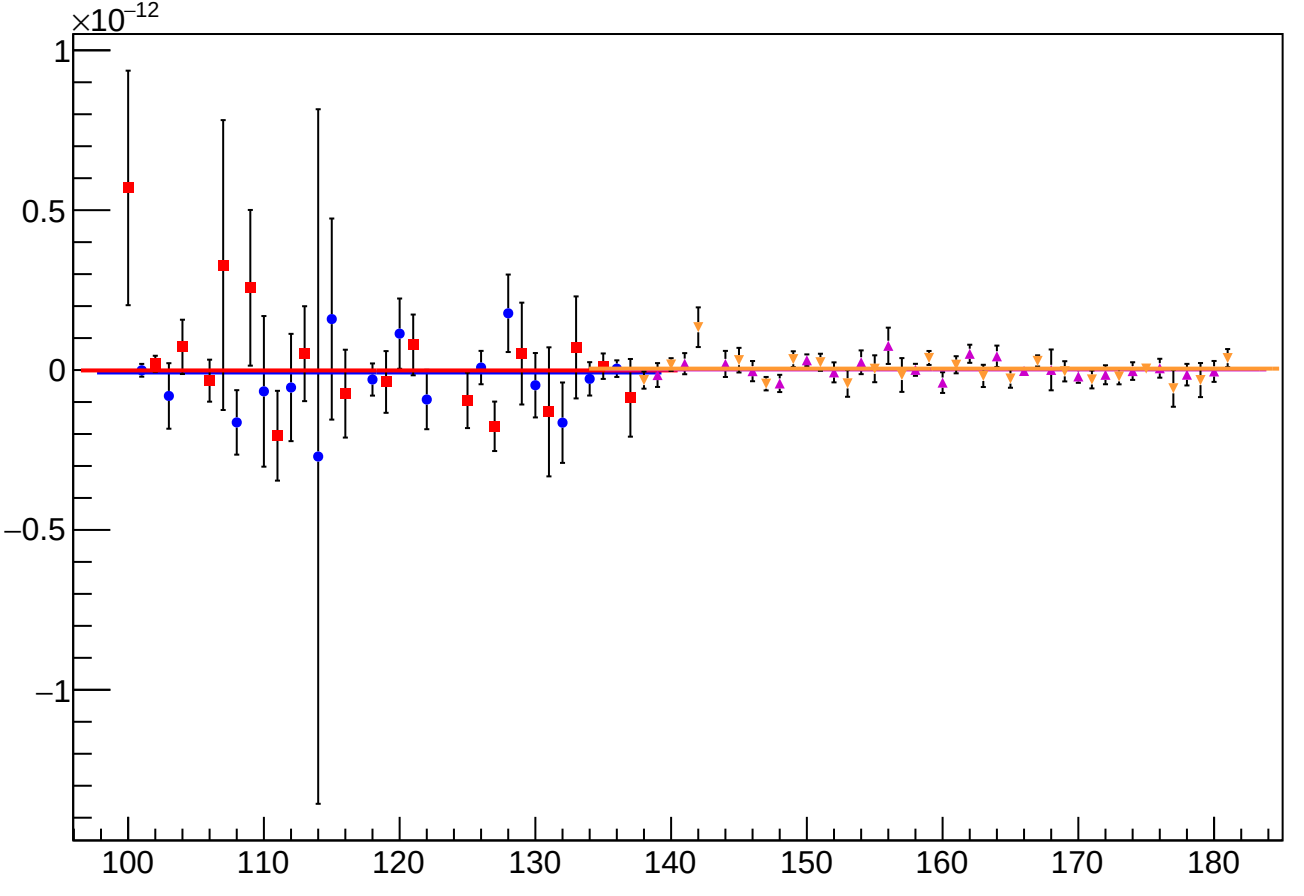
Right Out: 1873.976+/-0.500 χ^2/NDF: 569909.0/17

Left In: 1845.284+/-0.315 χ^2/NDF:214419.8/20

+ sign 1833.330+/-0.262 χ^2/NDF: 608807.0/37

All: 1843.228+/-0.187 χ^2/NDF: 1398386.1/76

- sign 1853.457+/-0.267 χ^2/NDF: 786685.8/38



Right In: -0.000+/-0.000 χ^2/NDF: 10.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:26.8/21

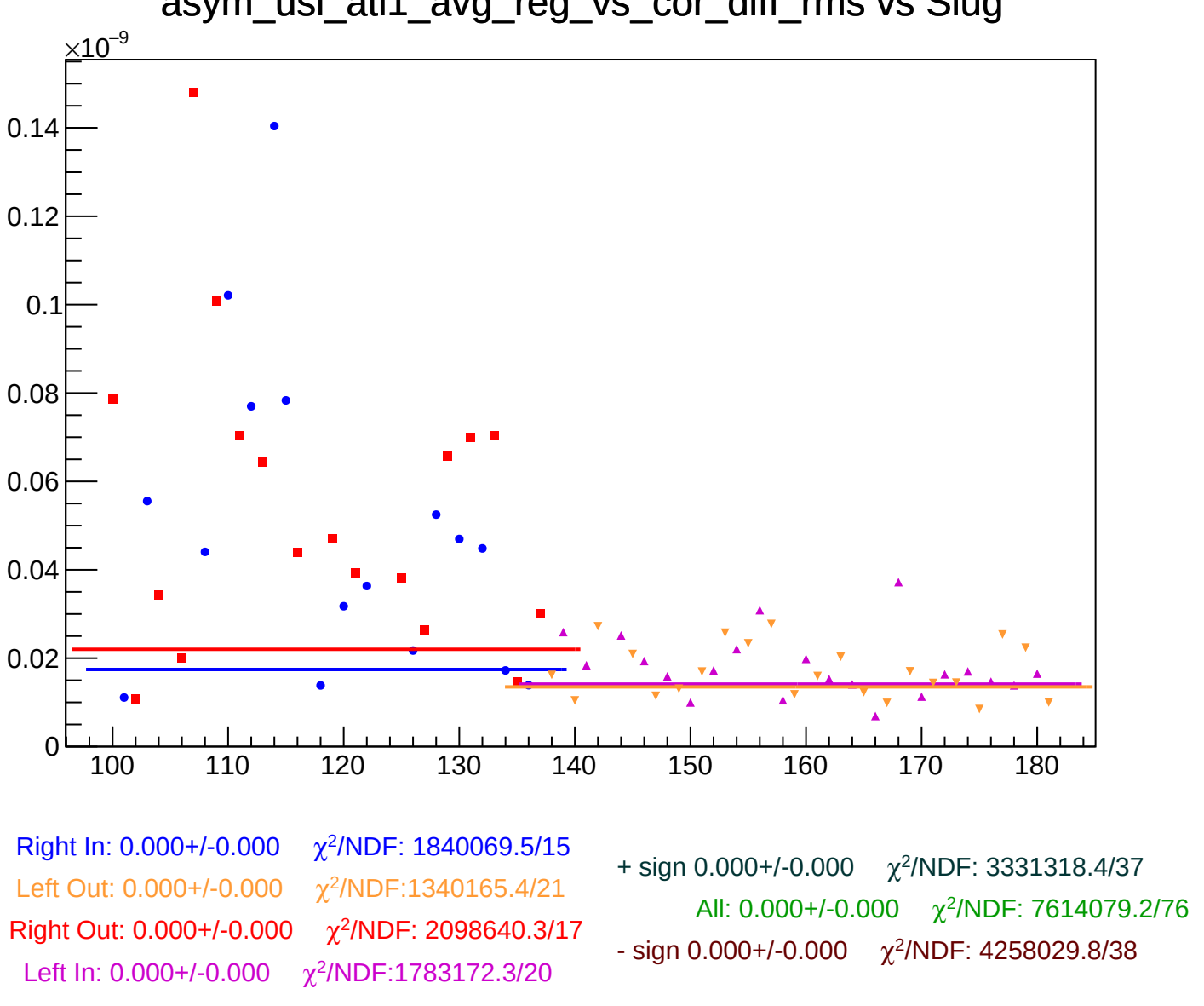
Right Out: -0.000+/-0.000 χ^2/NDF: 16.7/17

Left In: 0.000+/-0.000 χ^2/NDF:16.0/20

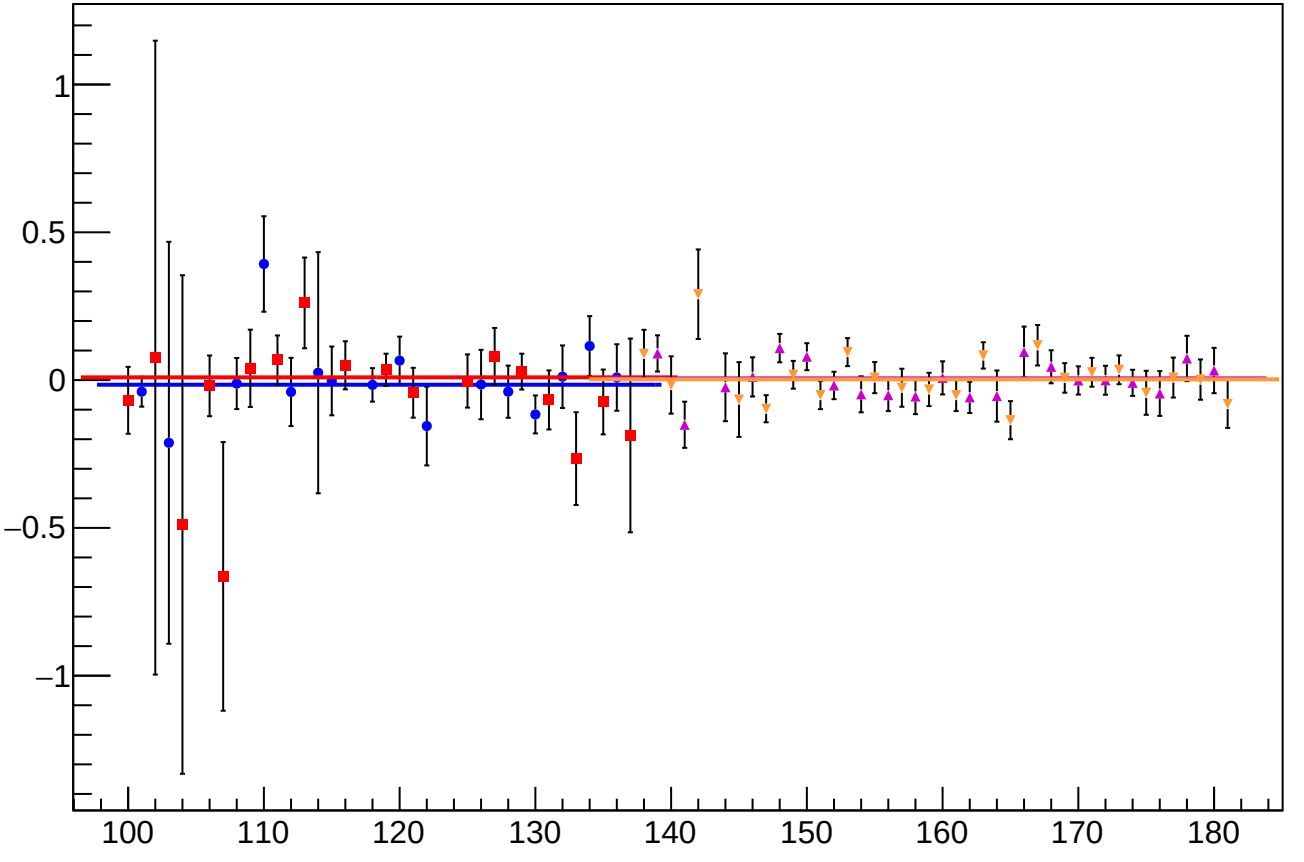
+ sign 0.000+/-0.000 χ^2/NDF: 37.8/37

All: 0.000+/-0.000 χ^2/NDF: 70.5/76

- sign 0.000+/-0.000 χ^2/NDF: 32.7/38


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:1340165.4/21
Right Out: 0.000+/-0.000 χ²/NDF: 2098640.3/17
Left In: 0.000+/-0.000 χ²/NDF:1783172.3/20
+ sign 0.000+/-0.000 χ²/NDF: 3331318.4/37
All: 0.000+/-0.000 χ²/NDF: 7614079.2/76
- sign 0.000+/-0.000 χ²/NDF: 4258029.8/38

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: 0.003+/-0.012 χ^2/NDF:29.3/21

Right Out: 0.009+/-0.024 χ^2/NDF: 12.5/17

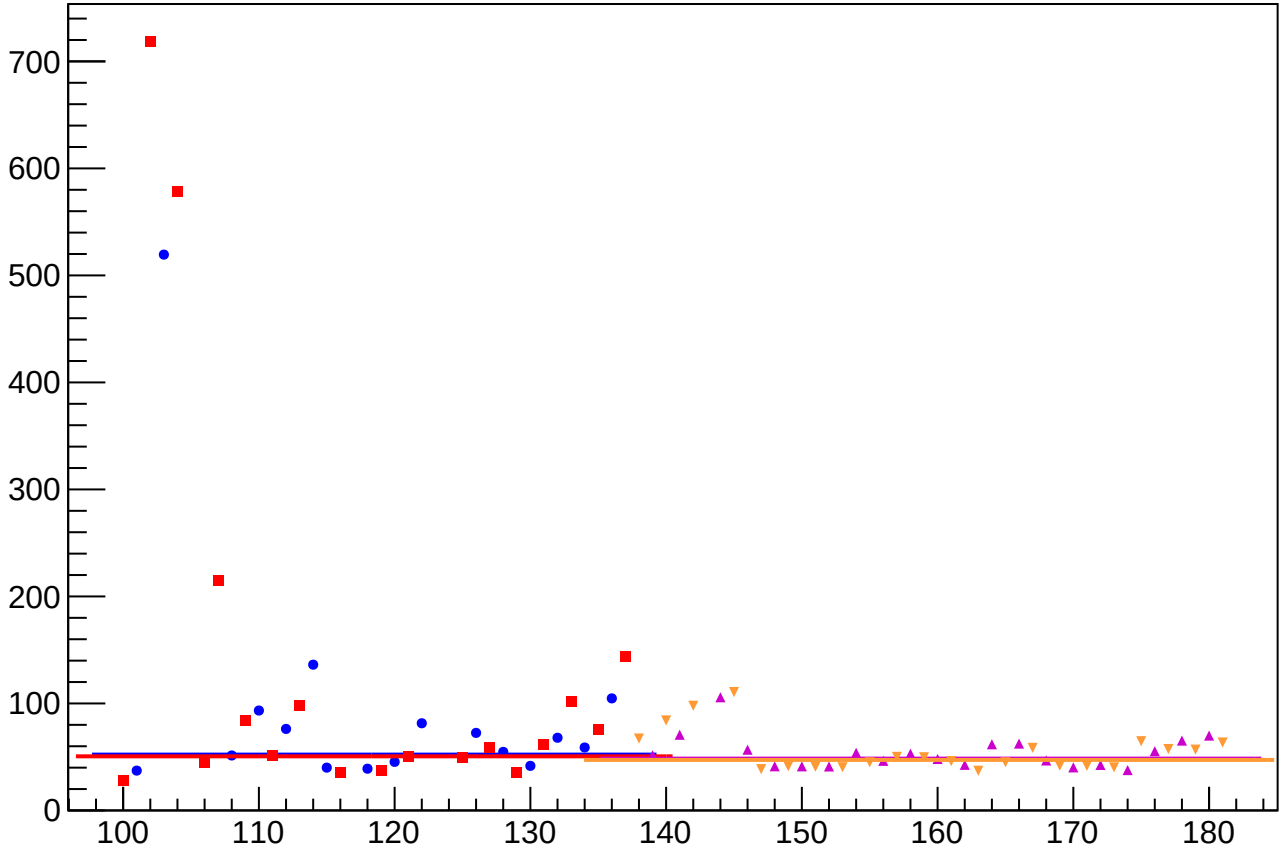
Left In: 0.006+/-0.013 χ^2/NDF:21.4/20

+ sign -0.002+/-0.011 χ^2/NDF: 43.0/37

All: 0.002+/-0.008 χ^2/NDF: 77.1/76

- sign 0.007+/-0.011 χ^2/NDF: 33.8/38

asym_usl_atl1_avg_dit_vs_cor_diff_rms vs Slug



Right In: 52.191+/-0.016 χ^2/NDF: 2266928.1/15

Left Out: 47.236+/-0.009 χ^2/NDF:1853679.2/21

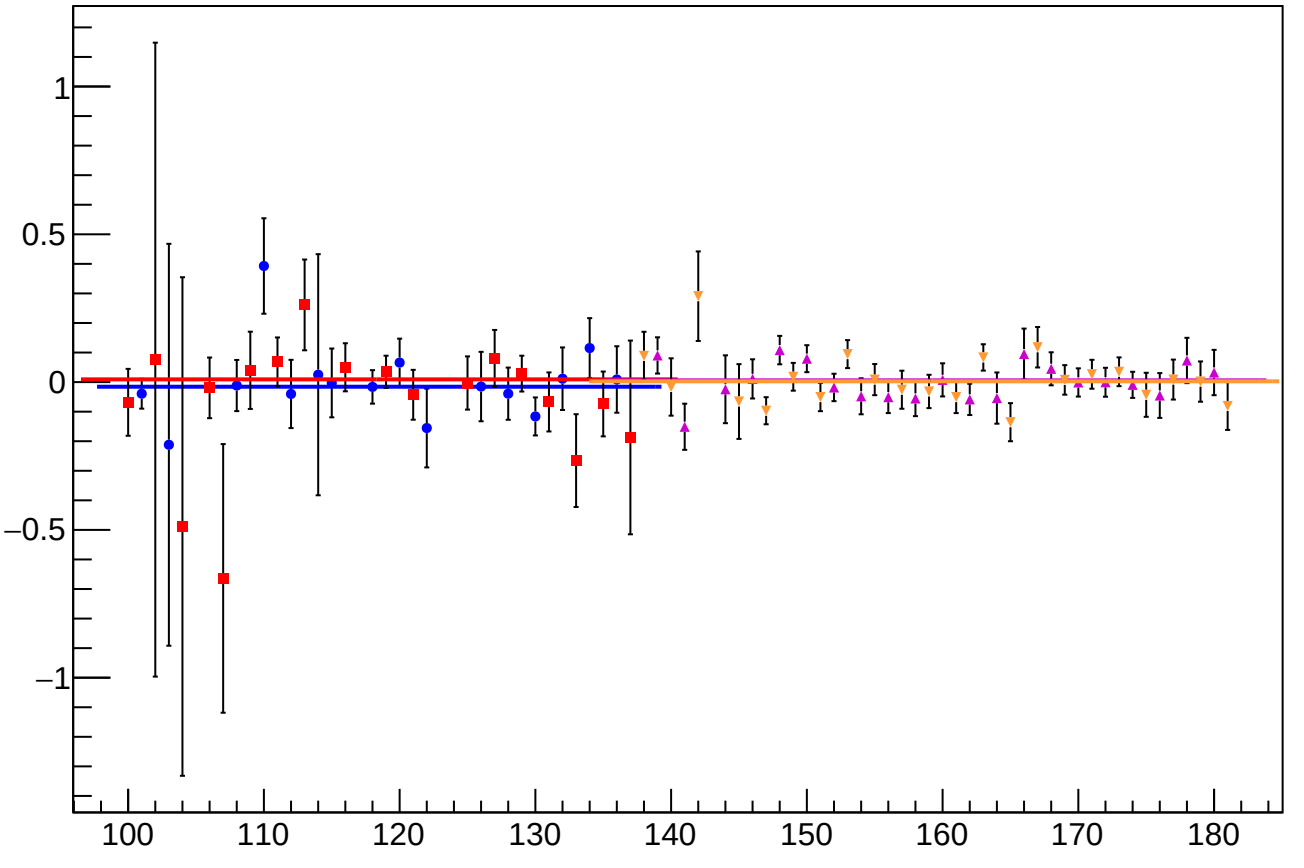
Right Out: 50.582+/-0.017 χ^2/NDF: 3051379.6/17

Left In: 48.442+/-0.009 χ^2/NDF:1478052.3/20

+ sign 48.393+/-0.008 χ^2/NDF: 4194010.1/37

All: 48.653+/-0.006 χ^2/NDF: 8738486.5/76

- sign 48.925+/-0.008 χ^2/NDF: 4542166.4/38



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.003+/-0.012 χ^2/NDF:29.3/21

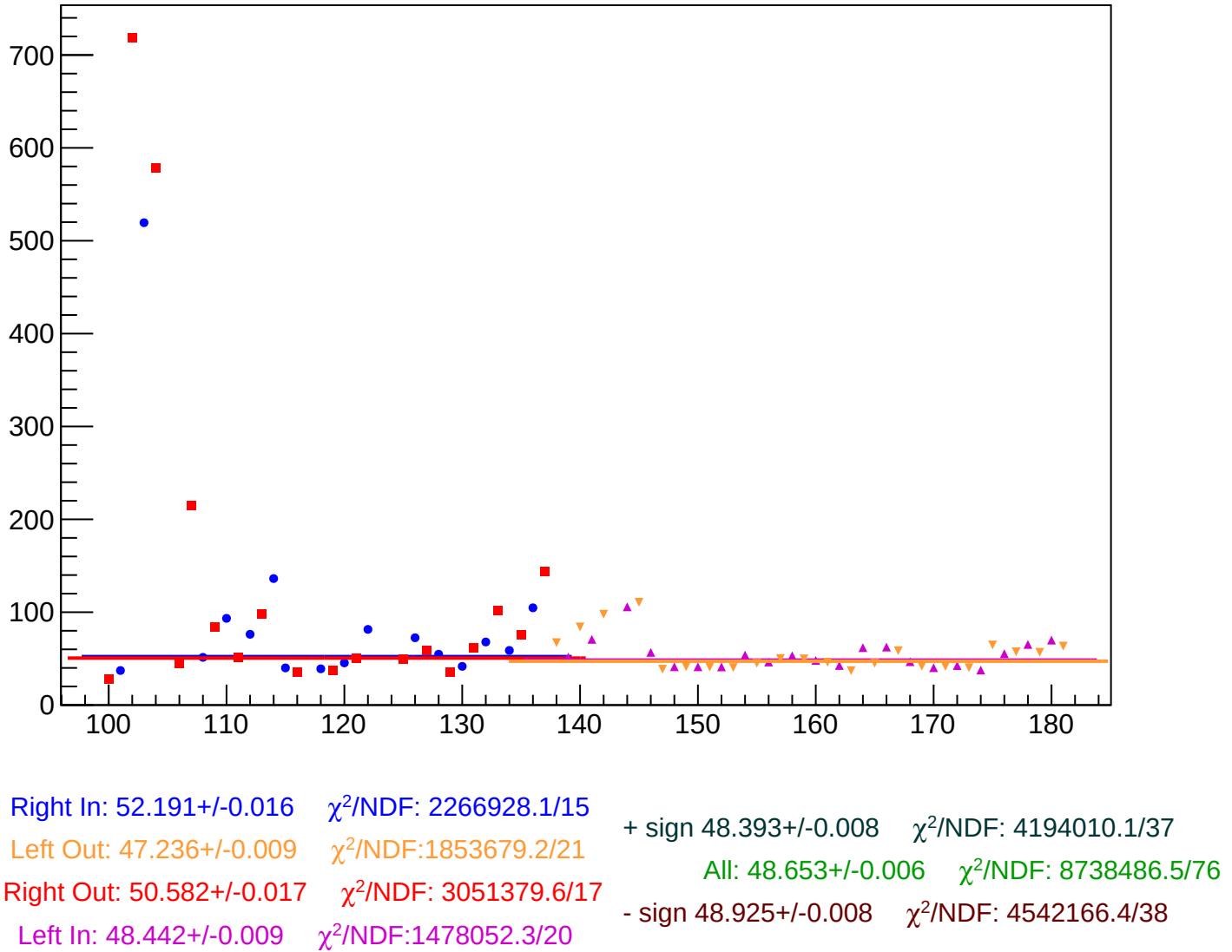
Right Out: 0.009+/-0.024 χ^2/NDF: 12.5/17

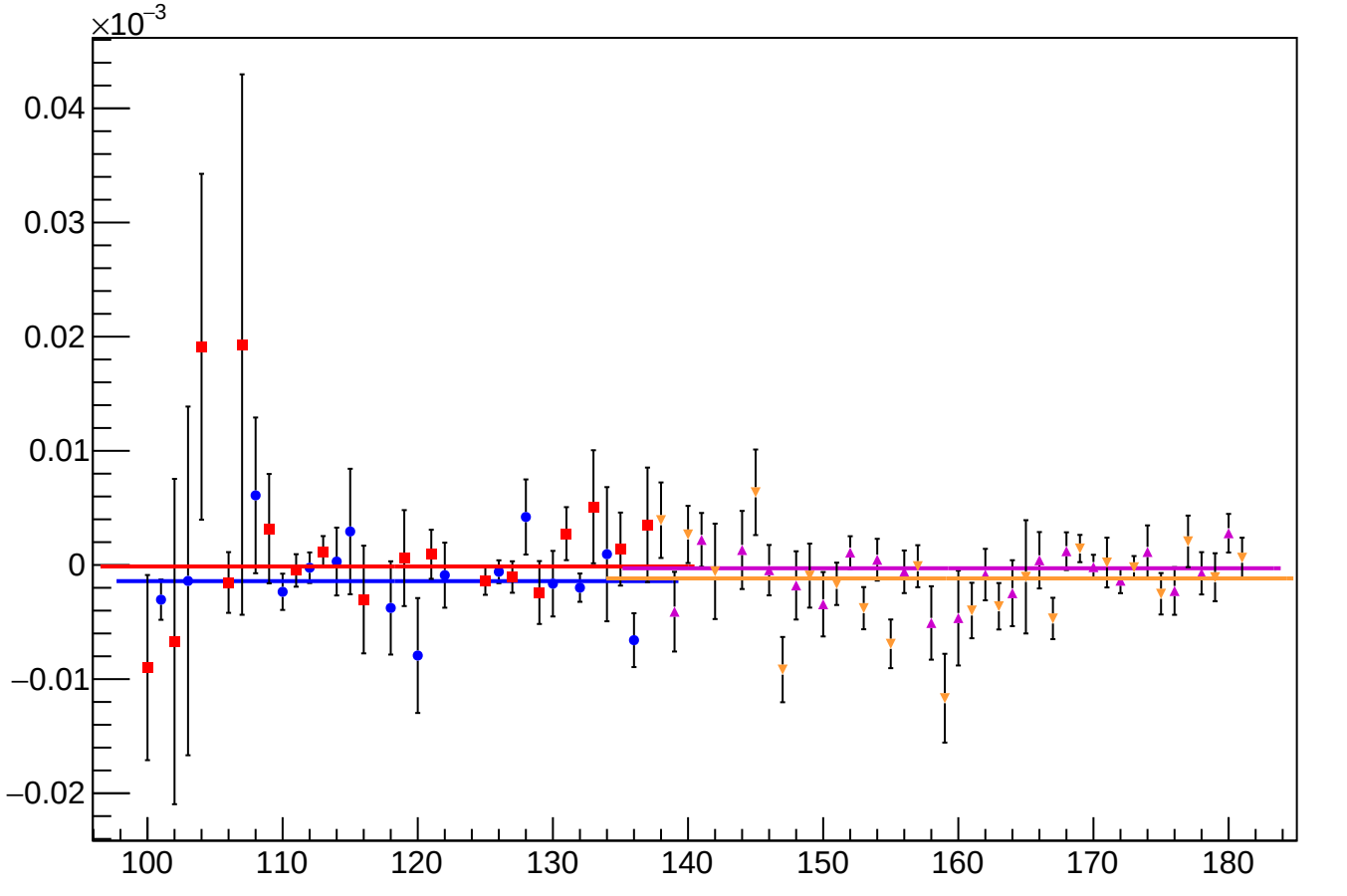
Left In: 0.006+/-0.013 χ^2/NDF:21.4/20

\+ sign -0.002+/-0.011 χ^2/NDF: 43.0/37

All: 0.002+/-0.008 χ^2/NDF: 77.1/76

\- sign 0.007+/-0.011 χ^2/NDF: 33.8/38


asym_usl_atl1_avg_dit_vs_eigen_cor_diff_rms vs Slug
700
600
500
400
300
200
100
0
100
110
120
130
140
150
160
170
180
Right In: 52.191+/-0.016 χ²/NDF: 2266928.1/15
Left Out: 47.236+/-0.009 χ²/NDF:1853679.2/21
Right Out: 50.582+/-0.017 χ²/NDF: 3051379.6/17
Left In: 48.442+/-0.009 χ²/NDF:1478052.3/20
+ sign 48.393+/-0.008 χ²/NDF: 4194010.1/37
All: 48.653+/-0.006 χ²/NDF: 8738486.5/76
- sign 48.925+/-0.008 χ²/NDF: 4542166.4/38



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

Left Out: -0.000+/-0.000 χ^2/NDF:49.9/21

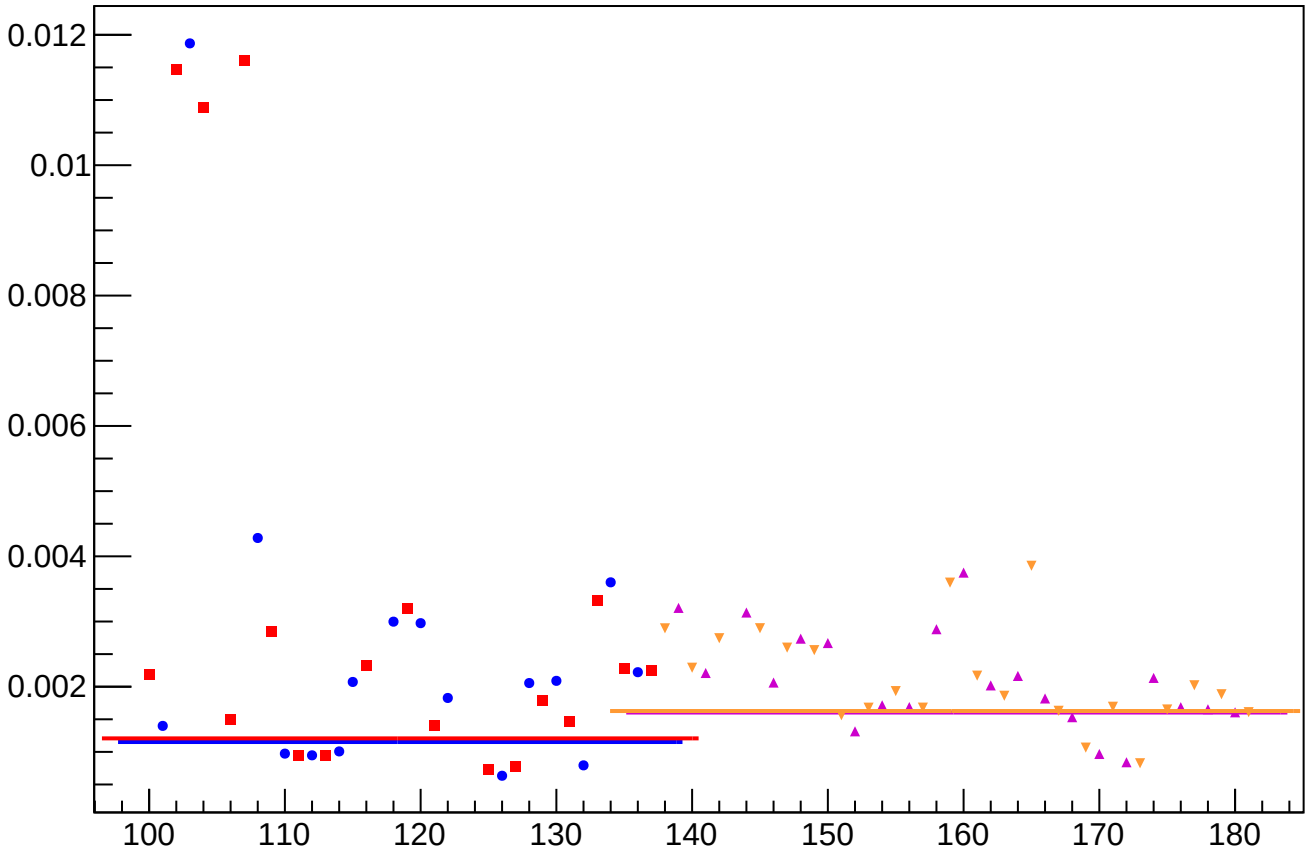
Right Out: -0.000+/-0.000 χ^2/NDF: 11.6/17

Left In: -0.000+/-0.000 χ^2/NDF:15.6/20

+ sign -0.000+/-0.000 χ^2/NDF: 65.0/37

All: -0.000+/-0.000 χ^2/NDF: 97.2/76

- sign -0.000+/-0.000 χ^2/NDF: 27.3/38



Right In: 0.001+/-0.000 χ^2/NDF: 4187928.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:4202187.9/21

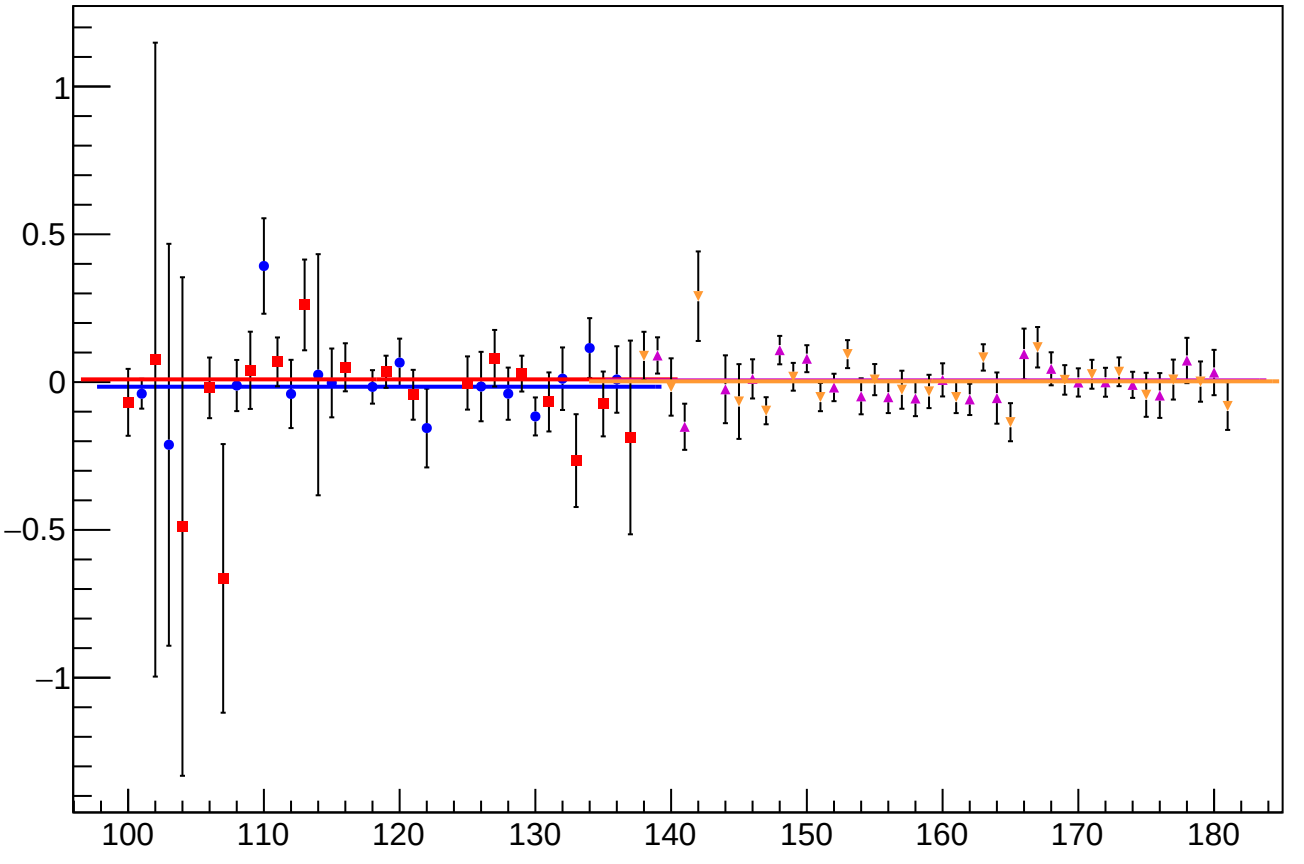
Right Out: 0.001+/-0.000 χ^2/NDF: 4521920.0/17

Left In: 0.002+/-0.000 χ^2/NDF:4495861.3/20

+ sign 0.001+/-0.000 χ^2/NDF: 9399173.8/37

All: 0.001+/-0.000 χ^2/NDF: 19066434.2/76

- sign 0.001+/-0.000 χ^2/NDF: 9662031.0/38



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.003+/-0.012 χ^2/NDF:29.3/21

Right Out: 0.009+/-0.024 χ^2/NDF: 12.5/17

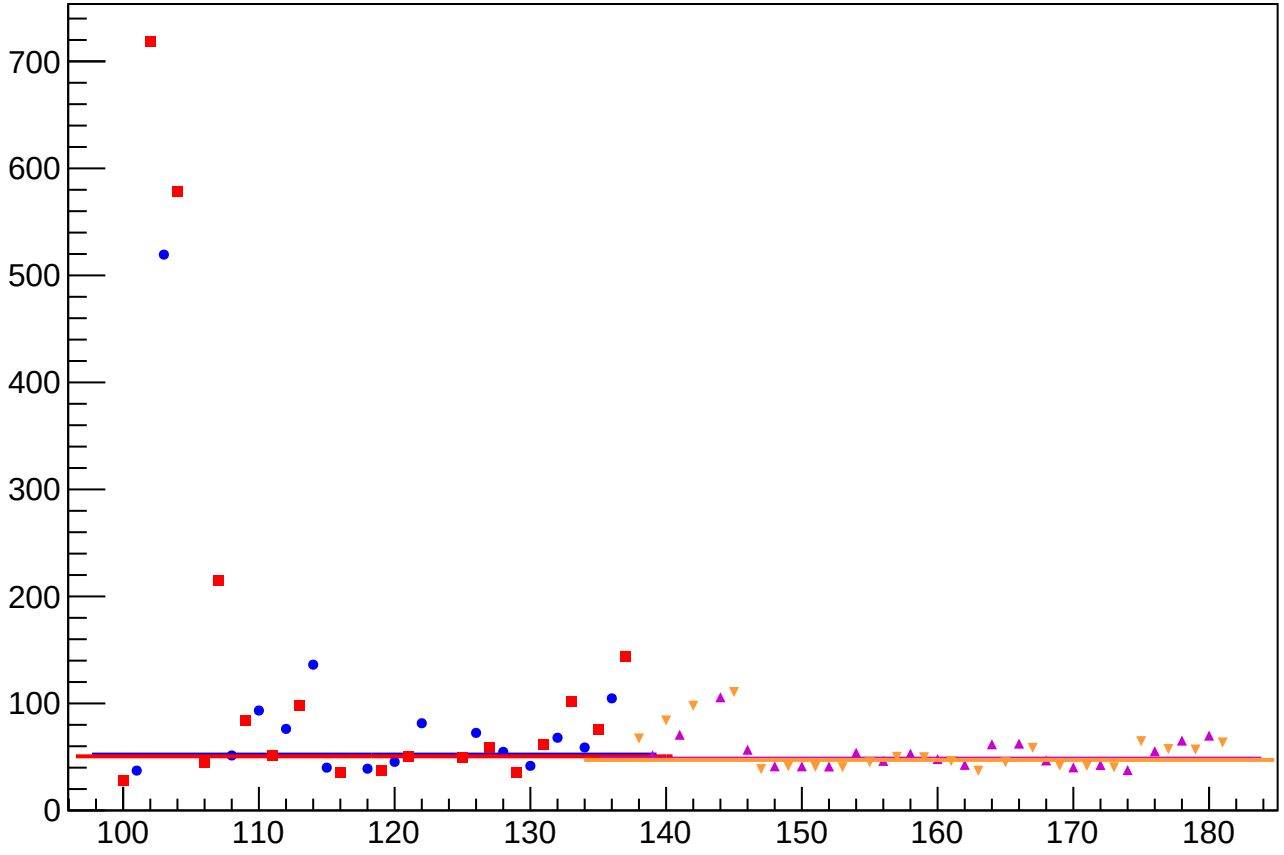
Left In: 0.006+/-0.013 χ^2/NDF:21.4/20

\+ sign -0.002+/-0.011 χ^2/NDF: 43.0/37

All: 0.002+/-0.008 χ^2/NDF: 77.1/76

\- sign 0.007+/-0.011 χ^2/NDF: 33.8/38

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: 47.236+/-0.009 χ^2/NDF:1853662.1/21

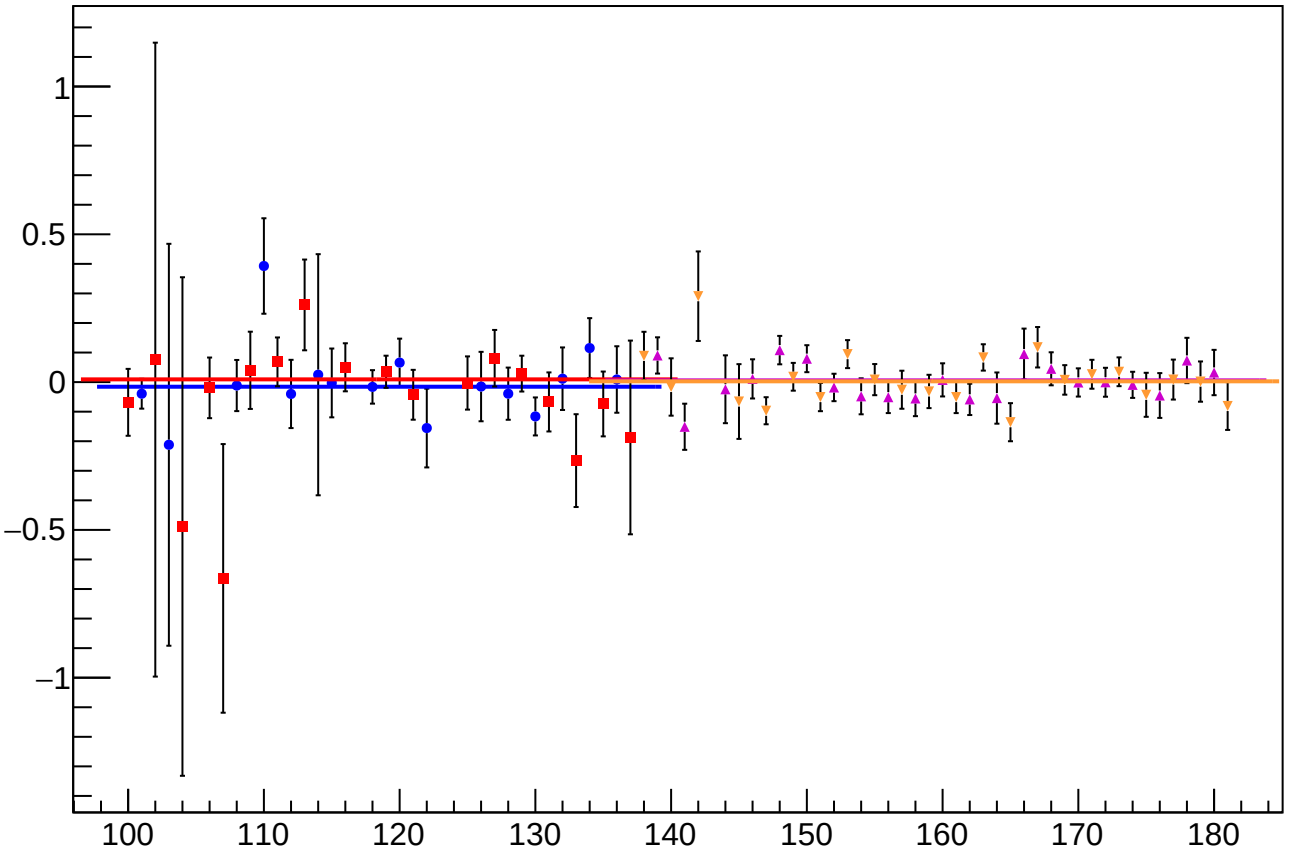
Right Out: 50.582+/-0.017 χ^2/NDF: 3051364.2/17

Left In: 48.442+/-0.009 χ^2/NDF:1478059.9/20

+ sign 48.393+/-0.008 χ^2/NDF: 4193977.2/37

All: 48.653+/-0.006 χ^2/NDF: 8738440.8/76

- sign 48.925+/-0.008 χ^2/NDF: 4542154.7/38



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.003+/-0.012 χ^2/NDF:29.3/21

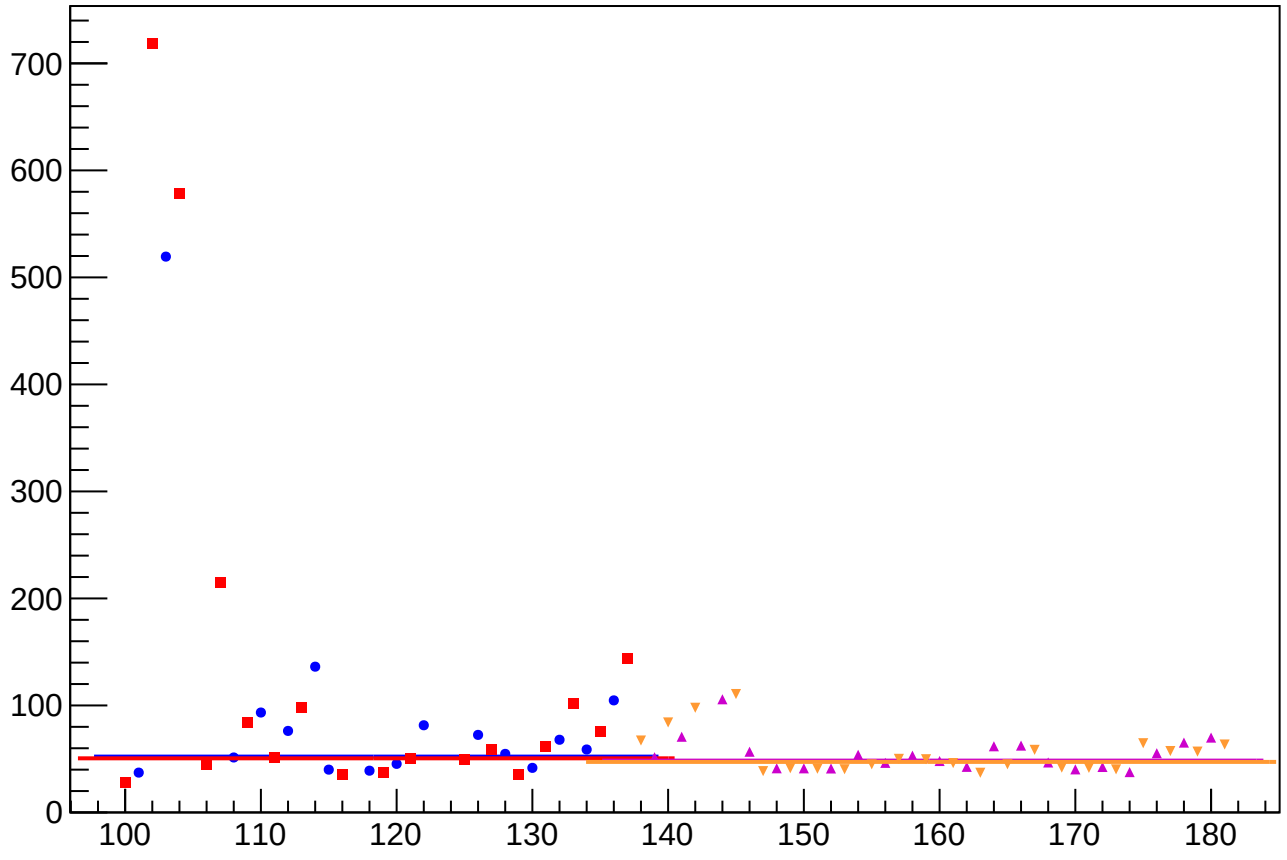
Right Out: 0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: 0.006+/-0.013 χ^2/NDF:21.4/20

\+ sign -0.002+/-0.011 χ^2/NDF: 43.0/37

All: 0.002+/-0.008 χ^2/NDF: 77.1/76

\- sign 0.007+/-0.011 χ^2/NDF: 33.8/38



Right In: 52.191+/-0.016 χ^2/NDF: 2266922.0/15

Left Out: 47.236+/-0.009 χ^2/NDF:1853662.1/21

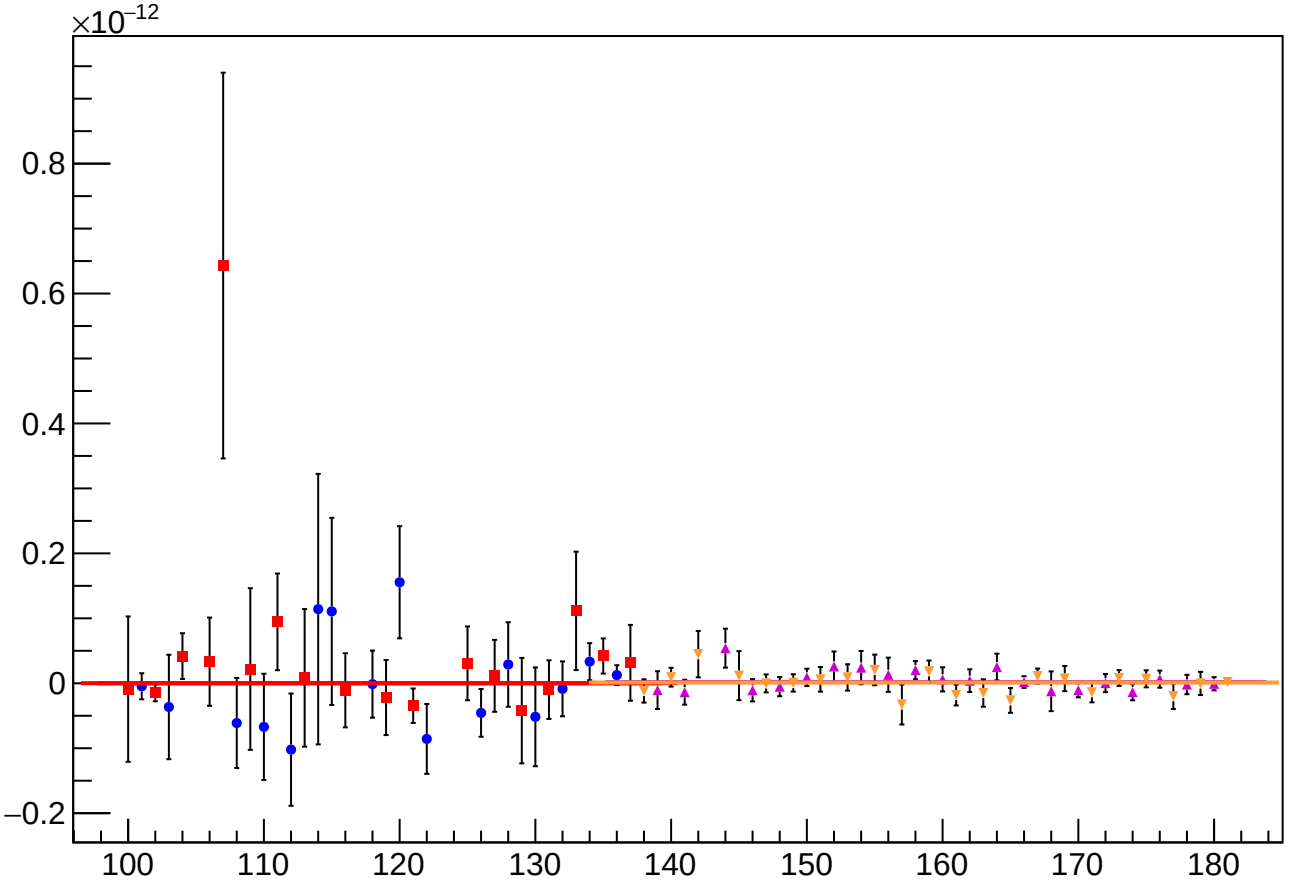
Right Out: 50.582+/-0.017 χ^2/NDF: 3051364.2/17

Left In: 48.442+/-0.009 χ^2/NDF:1478059.9/20

+ sign 48.393+/-0.008 χ^2/NDF: 4193977.2/37

All: 48.653+/-0.006 χ^2/NDF: 8738440.8/76

- sign 48.925+/-0.008 χ^2/NDF: 4542154.7/38



Right In: -0.000+/-0.000 χ^2/NDF: 14.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.1/21

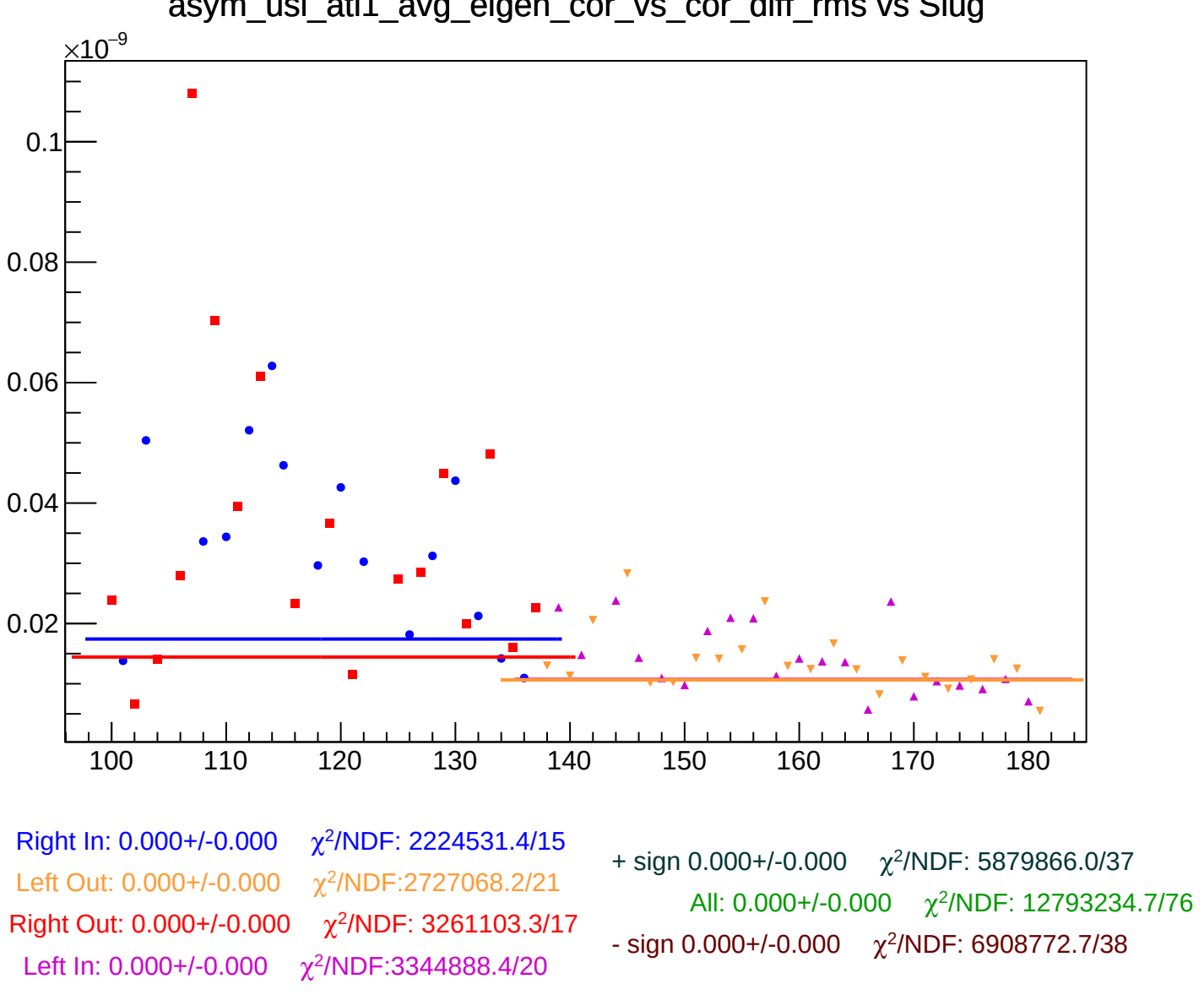
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/17

Left In: 0.000+/-0.000 χ^2/NDF:13.3/20

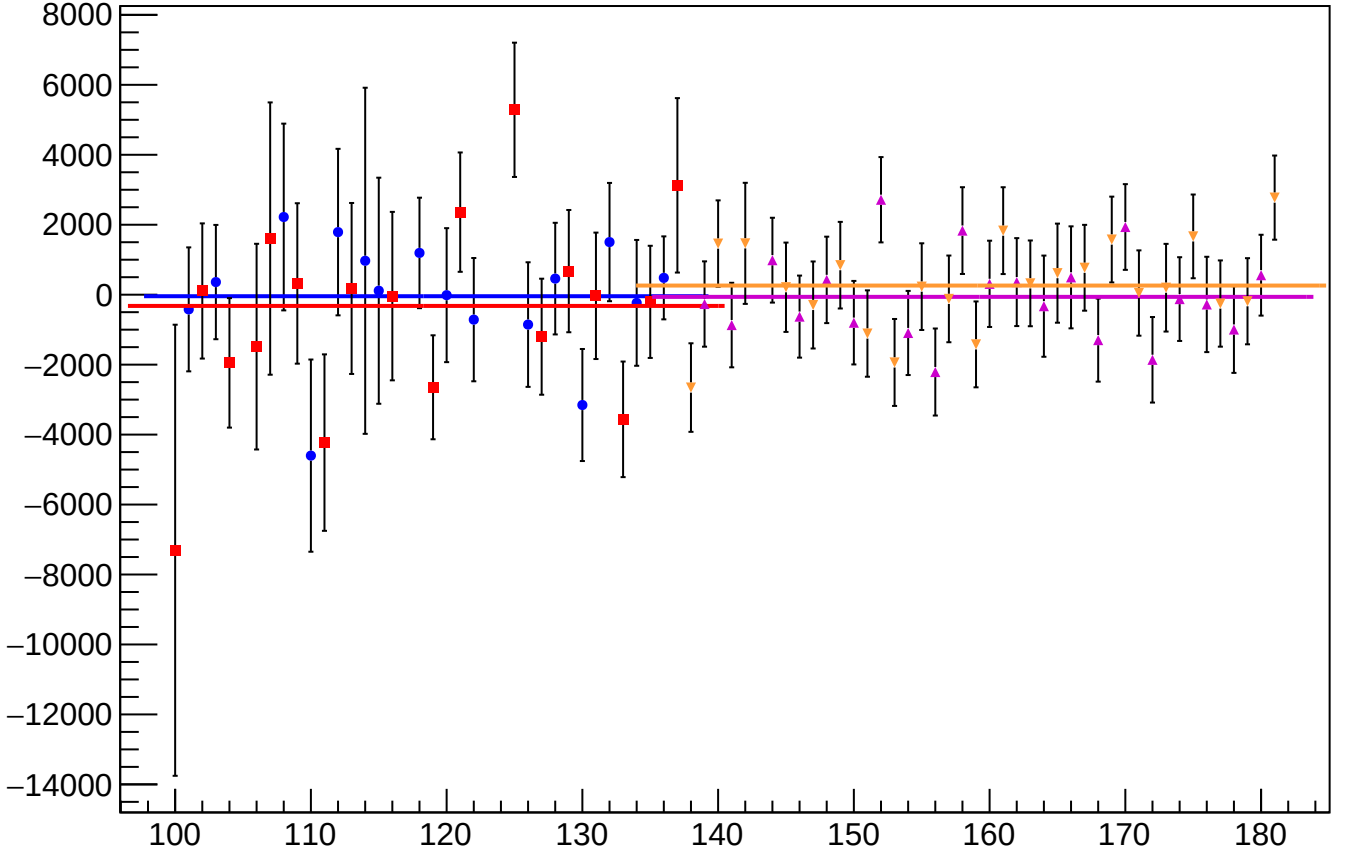
+ sign 0.000+/-0.000 χ^2/NDF: 27.2/37

All: 0.000+/-0.000 χ^2/NDF: 56.5/76

- sign 0.000+/-0.000 χ^2/NDF: 29.3/38


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:2727068.2/21
Right Out: 0.000+/-0.000 χ²/NDF: 3261103.3/17
Left In: 0.000+/-0.000 χ²/NDF:3344888.4/20
+ sign 0.000+/-0.000 χ²/NDF: 5879866.0/37
All: 0.000+/-0.000 χ²/NDF: 12793234.7/76
- sign 0.000+/-0.000 χ²/NDF: 6908772.7/38

reg_asym_usl_atl1_dd_mean vs Slug



Right In: -43.681+/-459.222 χ^2/NDF: 10.1/15

Left Out: 261.345+/-267.732 χ^2/NDF:22.6/21

Right Out: -321.266+/-474.939 χ^2/NDF: 24.8/17

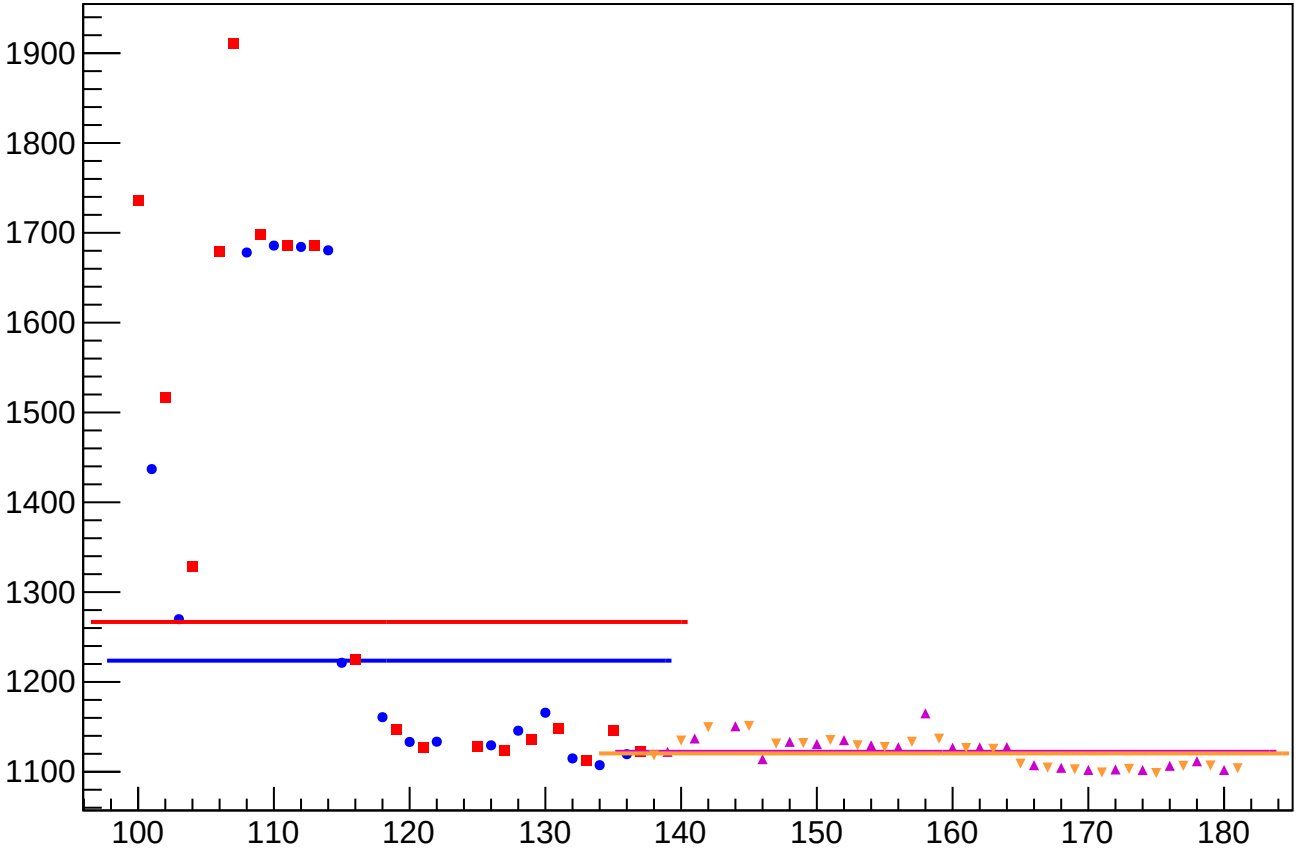
Left In: -61.856+/-270.186 χ^2/NDF:20.4/20

+ sign 183.966+/-231.294 χ^2/NDF: 33.0/37

All: 31.697+/-164.790 χ^2/NDF: 79.3/76

- sign -125.282+/-234.844 χ^2/NDF: 45.4/38

reg_asym_usl_atl1_dd_rms vs Slug



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1120.438+/-0.189 χ^2/NDF:6831.6/21

Right Out: 1266.780+/-0.336 χ^2/NDF: 432845.4/17

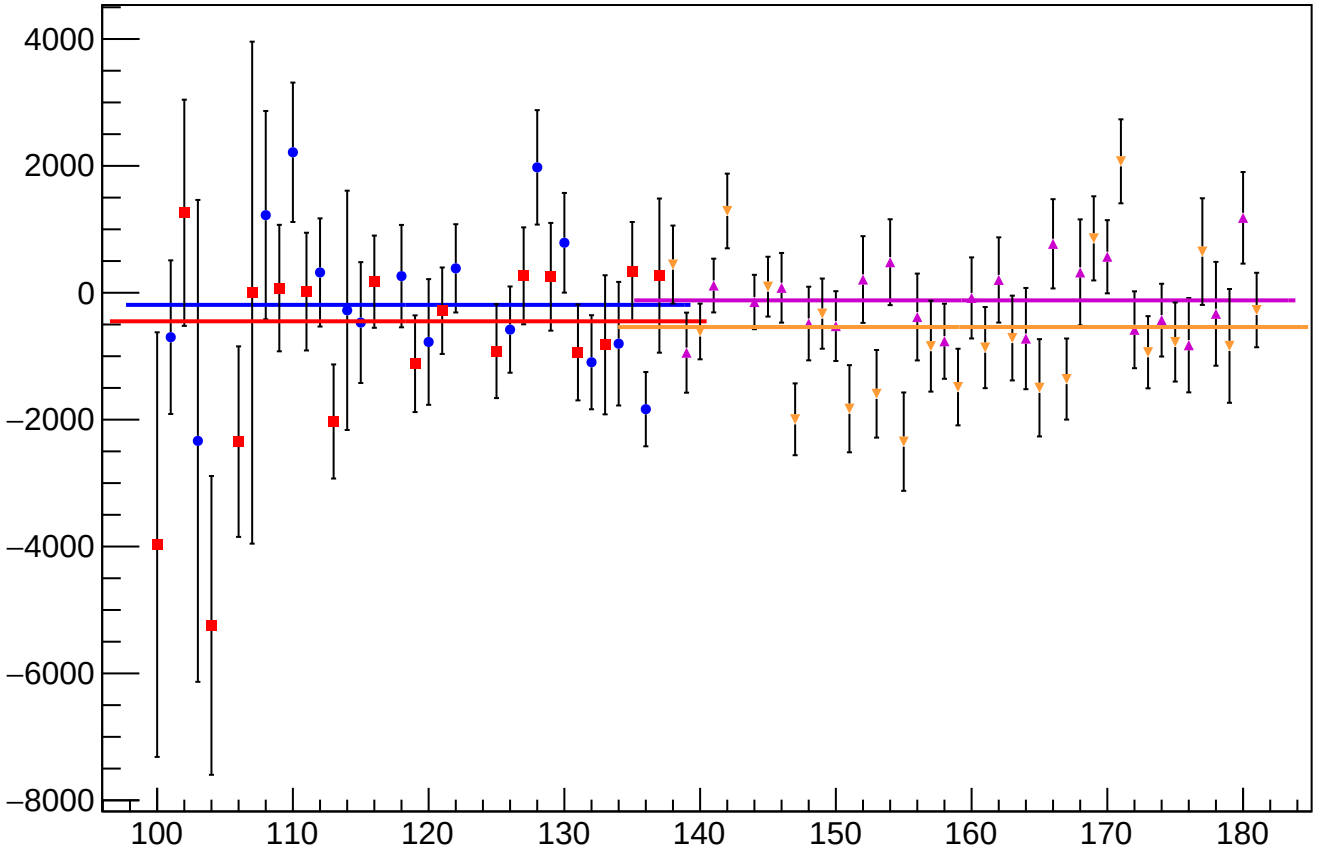
Left In: 1122.219+/-0.191 χ^2/NDF:7880.4/20

+ sign 1146.635+/-0.164 χ^2/NDF: 377278.2/37

All: 1152.016+/-0.117 χ^2/NDF: 960190.4/76

- sign 1157.564+/-0.166 χ^2/NDF: 580713.3/38

asym_usl_atl1_dd_reg_correction_mean vs Slug



Right In: -190.634+/-222.869 χ^2/NDF: 25.2/15

Left Out: -540.265+/-132.692 χ^2/NDF:61.2/21

Right Out: -449.847+/-223.203 χ^2/NDF: 16.8/17

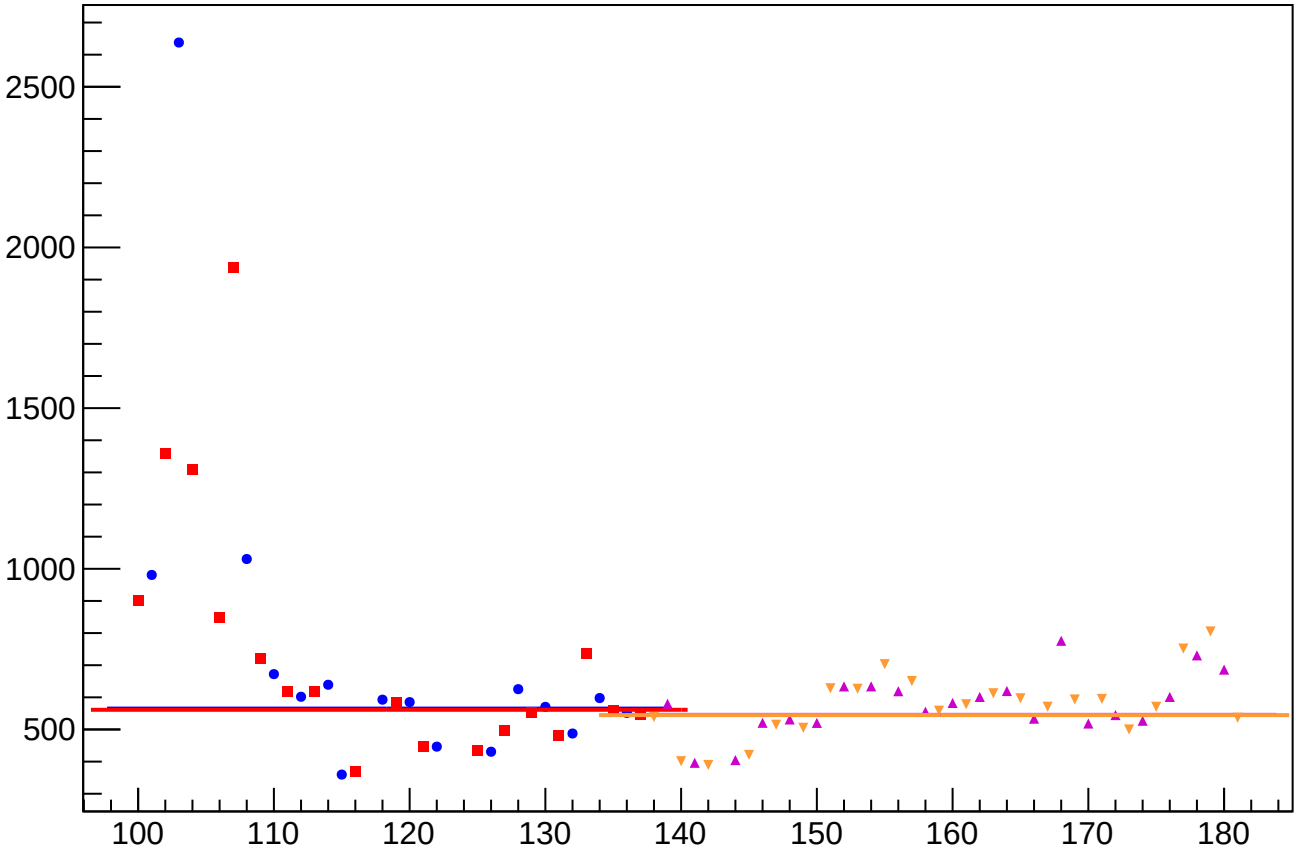
Left In: -119.827+/-133.490 χ^2/NDF:14.6/20

\+ sign -448.764+/-114.014 χ^2/NDF: 88.3/37

All: -328.350+/-80.814 χ^2/NDF: 123.6/76

\- sign -206.771+/-114.564 χ^2/NDF: 33.1/38

asym_usl_atl1_dd_reg_correction_rms vs Slug



Right In: 564.959+/-0.158 χ^2/NDF: 1284478.9/15

Left Out: 544.750+/-0.094 χ^2/NDF:1060317.6/21

Right Out: 561.243+/-0.158 χ^2/NDF: 1352239.3/17

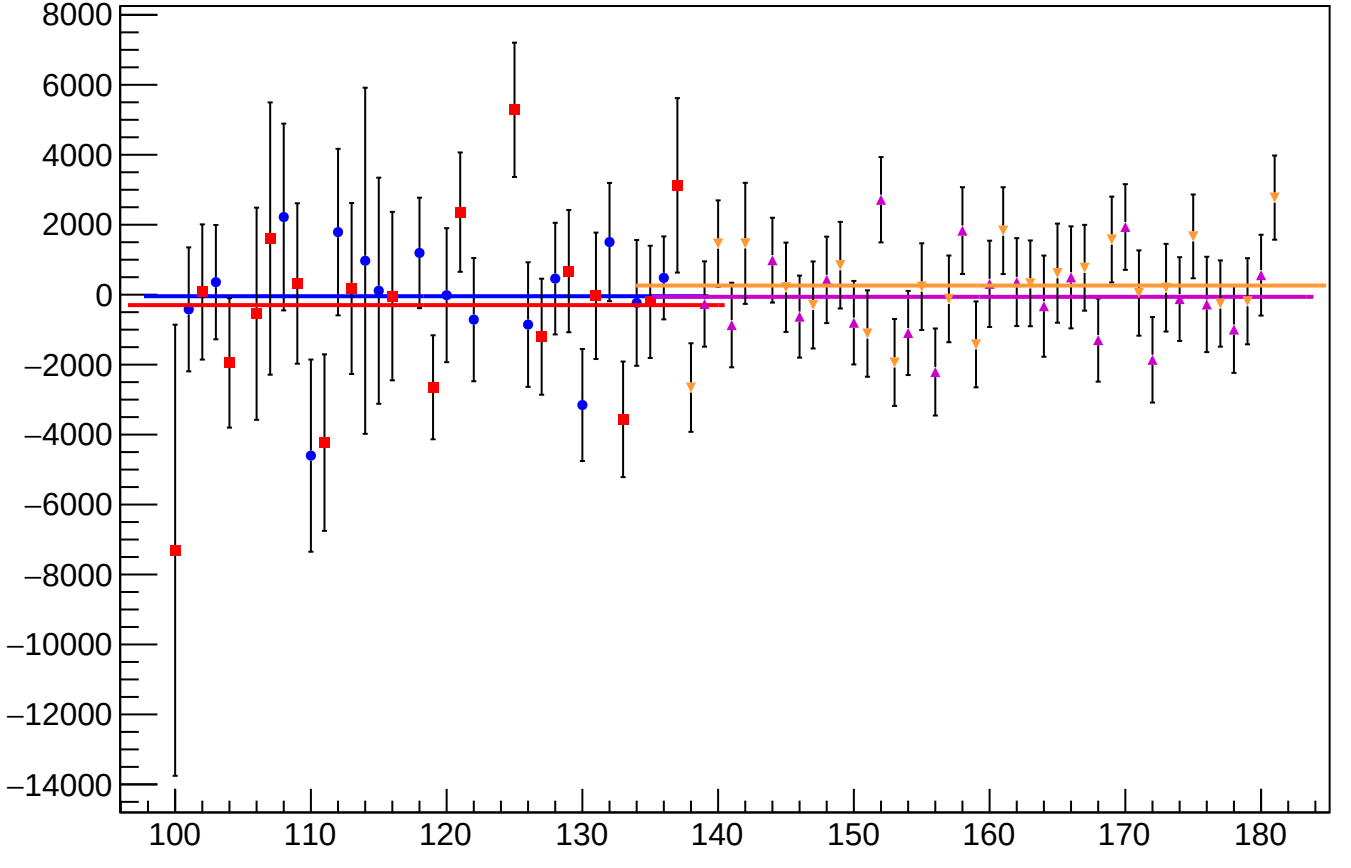
Left In: 545.438+/-0.094 χ^2/NDF:957406.7/20

+ sign 550.039+/-0.081 χ^2/NDF: 2356937.3/37

All: 549.821+/-0.057 χ^2/NDF: 4673984.5/76

- sign 549.602+/-0.081 χ^2/NDF: 2317032.6/38

cor_asym_usl_atl1_dd_mean vs Slug



Right In: -43.923+/-459.222 χ^2/NDF: 10.1/15

Left Out: 261.396+/-267.732 χ^2/NDF:22.6/21

Right Out: -298.207+/-475.315 χ^2/NDF: 24.6/17

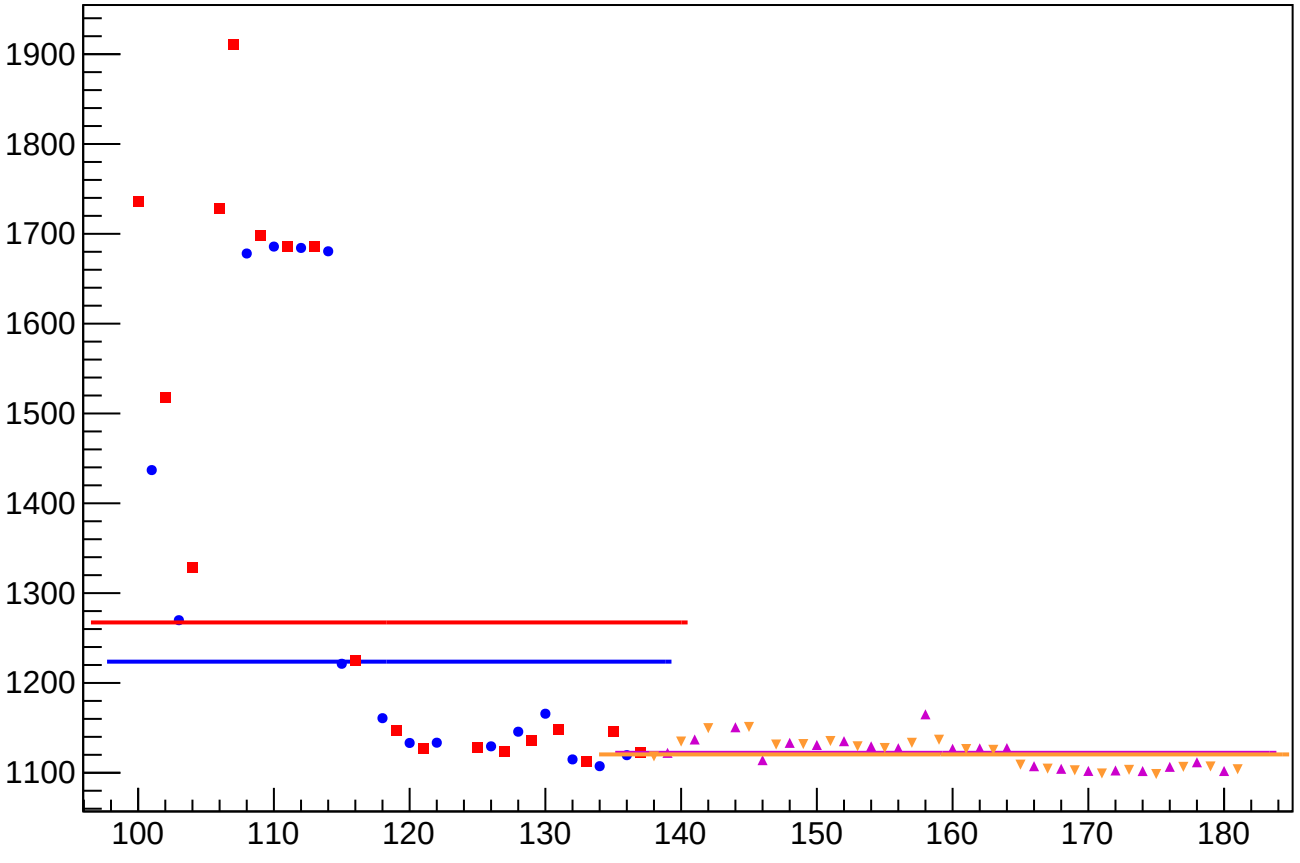
Left In: -61.818+/-270.186 χ^2/NDF:20.4/20

+ sign 183.943+/-231.294 χ^2/NDF: 33.0/37

All: 34.539+/-164.806 χ^2/NDF: 79.1/76

- sign -119.547+/-234.889 χ^2/NDF: 45.2/38

cor_asym_usl_atl1_dd_rms vs Slug



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1120.438+/-0.189 χ^2/NDF:6831.6/21

Right Out: 1267.363+/-0.336 χ^2/NDF: 439982.4/17

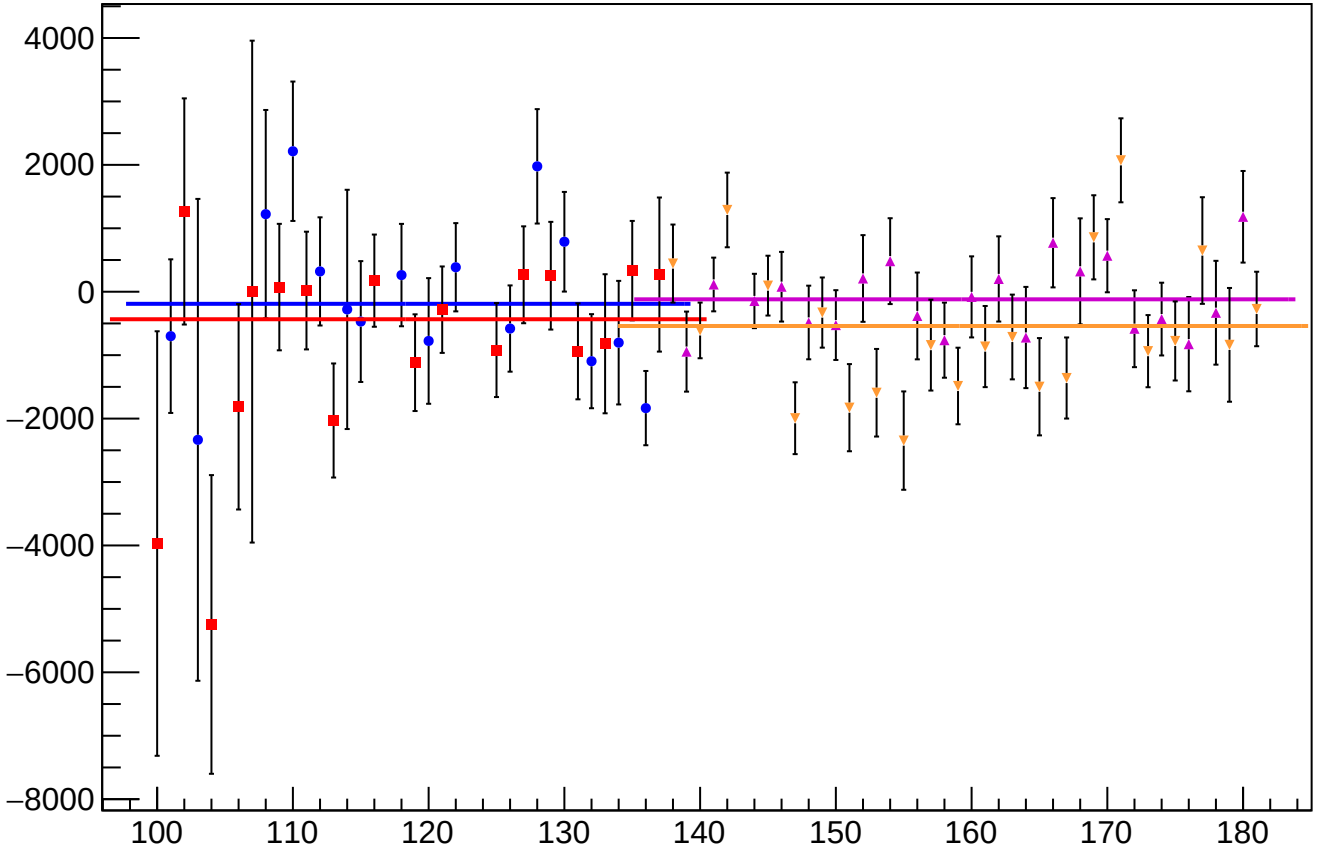
Left In: 1122.219+/-0.191 χ^2/NDF:7880.4/20

+ sign 1146.635+/-0.164 χ^2/NDF: 377278.3/37

All: 1152.065+/-0.117 χ^2/NDF: 968331.4/76

- sign 1157.665+/-0.166 χ^2/NDF: 588814.0/38

asym_usl_atl1_dd_cor_correction_mean vs Slug



Right In: -190.645+/-222.867 χ^2/NDF: 25.3/15

Left Out: -540.281+/-132.692 χ^2/NDF:61.2/21

Right Out: -433.877+/-223.547 χ^2/NDF: 15.9/17

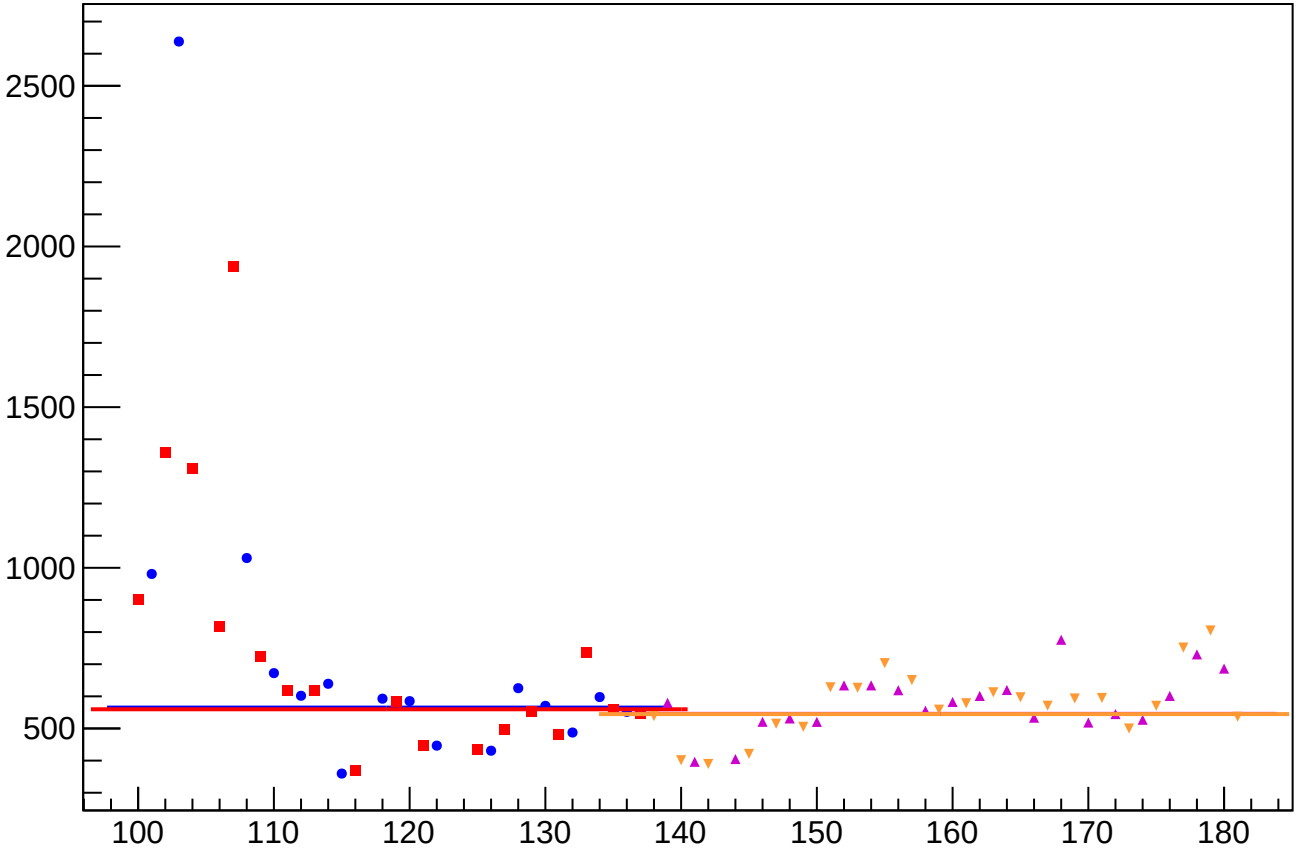
Left In: -119.804+/-133.489 χ^2/NDF:14.6/20

+ sign -448.778+/-114.014 χ^2/NDF: 88.3/37

All: -326.211+/-80.830 χ^2/NDF: 122.6/76

- sign -202.359+/-114.611 χ^2/NDF: 32.0/38

asym_usl_atl1_dd_cor_correction_rms vs Slug



Right In: 564.954+/-0.158 χ^2/NDF: 1284455.7/15

Left Out: 544.749+/-0.094 χ^2/NDF:1060317.8/21

Right Out: 559.758+/-0.158 χ^2/NDF: 1329357.2/17

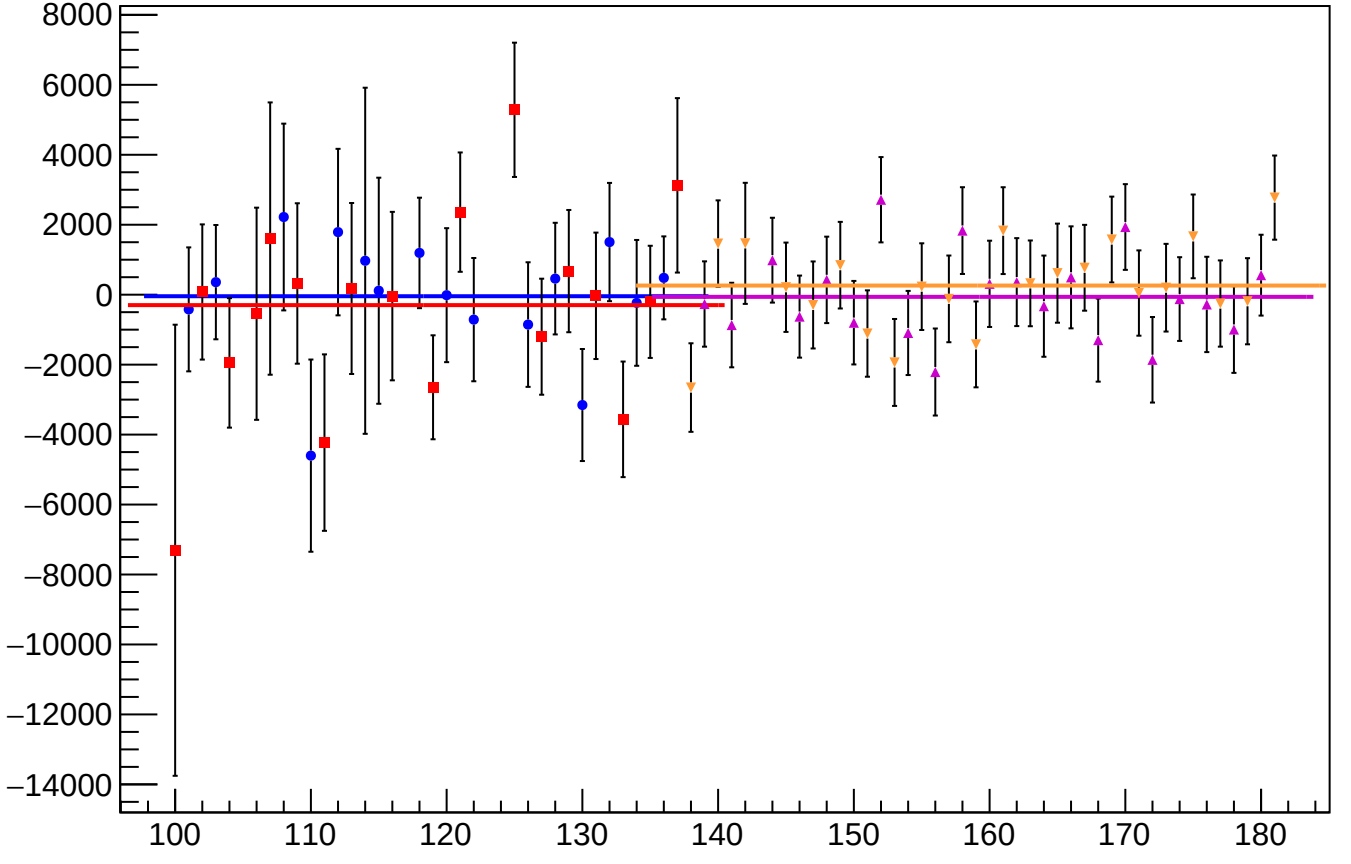
Left In: 545.437+/-0.094 χ^2/NDF:957351.4/20

+ sign 550.037+/-0.081 χ^2/NDF: 2356909.9/37

All: 549.621+/-0.057 χ^2/NDF: 4649722.3/76

- sign 549.201+/-0.081 χ^2/NDF: 2292758.9/38

eigen_cor_asym_usl_atl1_dd_mean vs Slug



Right In: -43.923+/-459.222 χ^2/NDF: 10.1/15

Left Out: 261.396+/-267.732 χ^2/NDF:22.6/21

Right Out: -298.207+/-475.315 χ^2/NDF: 24.6/17

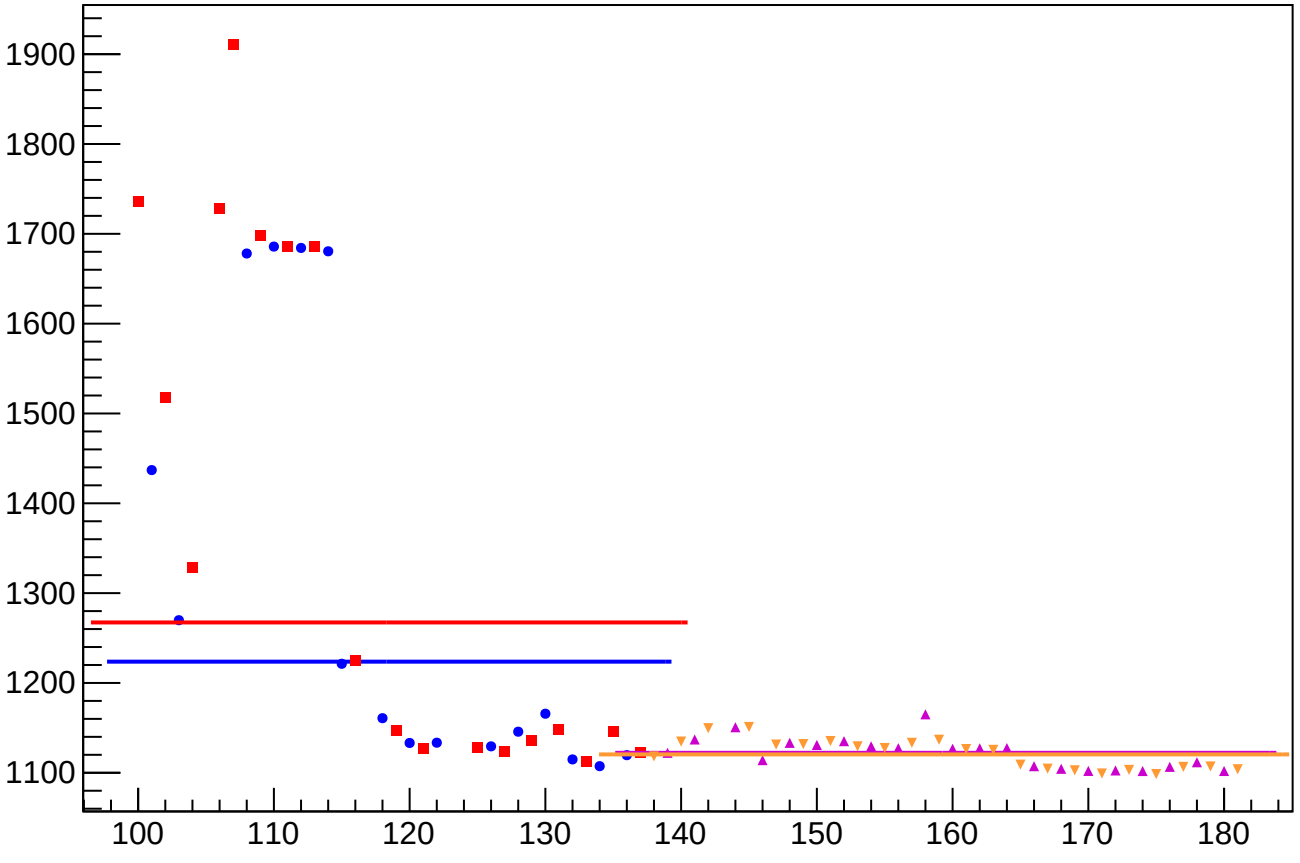
Left In: -61.818+/-270.186 χ^2/NDF:20.4/20

+ sign 183.943+/-231.294 χ^2/NDF: 33.0/37

All: 34.539+/-164.806 χ^2/NDF: 79.1/76

- sign -119.547+/-234.889 χ^2/NDF: 45.2/38

eigen_cor_asym_usl_atl1_dd_rms vs Slug



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1120.438+/-0.189 χ^2/NDF:6831.6/21

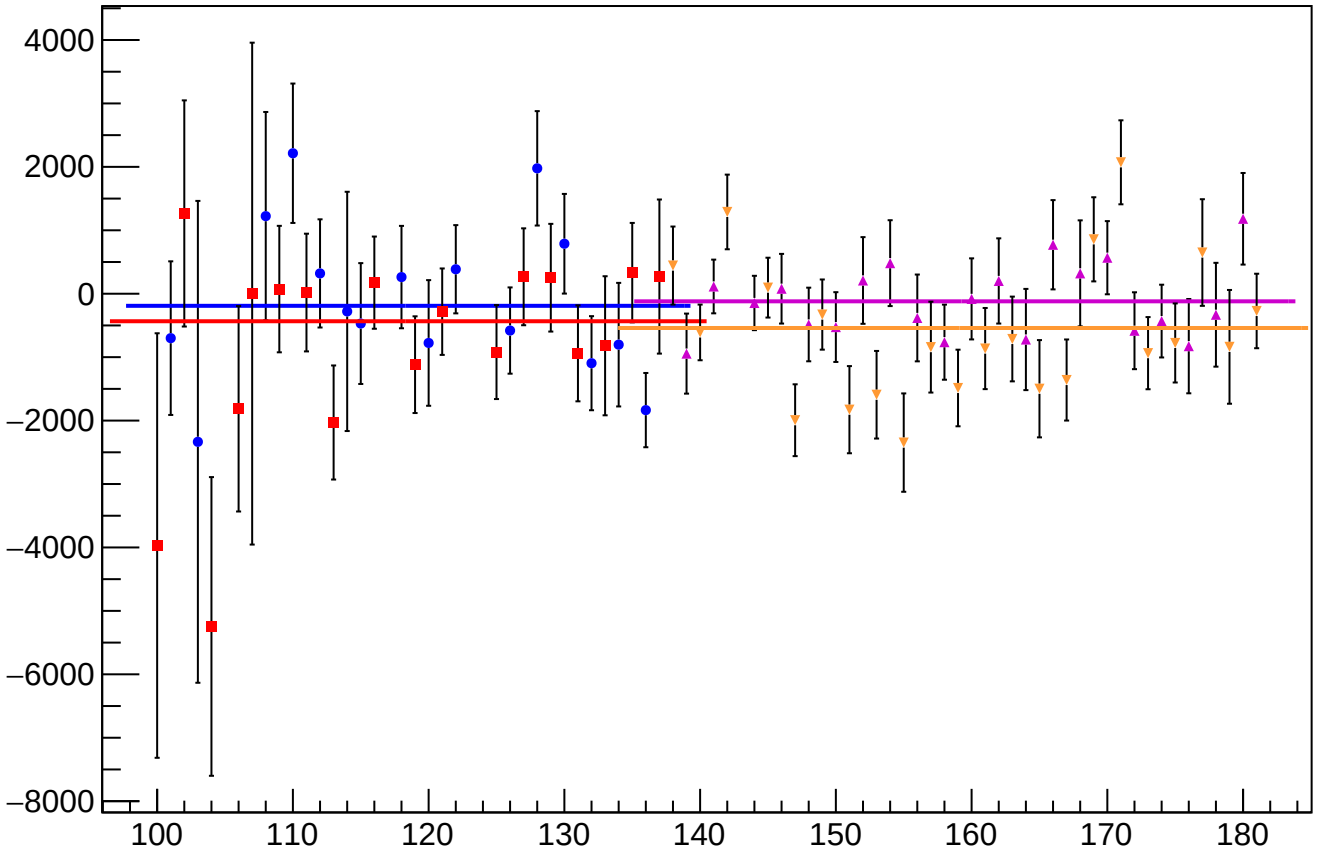
Right Out: 1267.363+/-0.336 χ^2/NDF: 439982.4/17

Left In: 1122.219+/-0.191 χ^2/NDF:7880.4/20

+ sign 1146.635+/-0.164 χ^2/NDF: 377278.3/37

All: 1152.065+/-0.117 χ^2/NDF: 968331.4/76

- sign 1157.665+/-0.166 χ^2/NDF: 588814.0/38



Right In: -190.645+/-222.867 χ^2/NDF: 25.3/15

Left Out: -540.281+/-132.692 χ^2/NDF:61.2/21

Right Out: -433.877+/-223.547 χ^2/NDF: 15.9/17

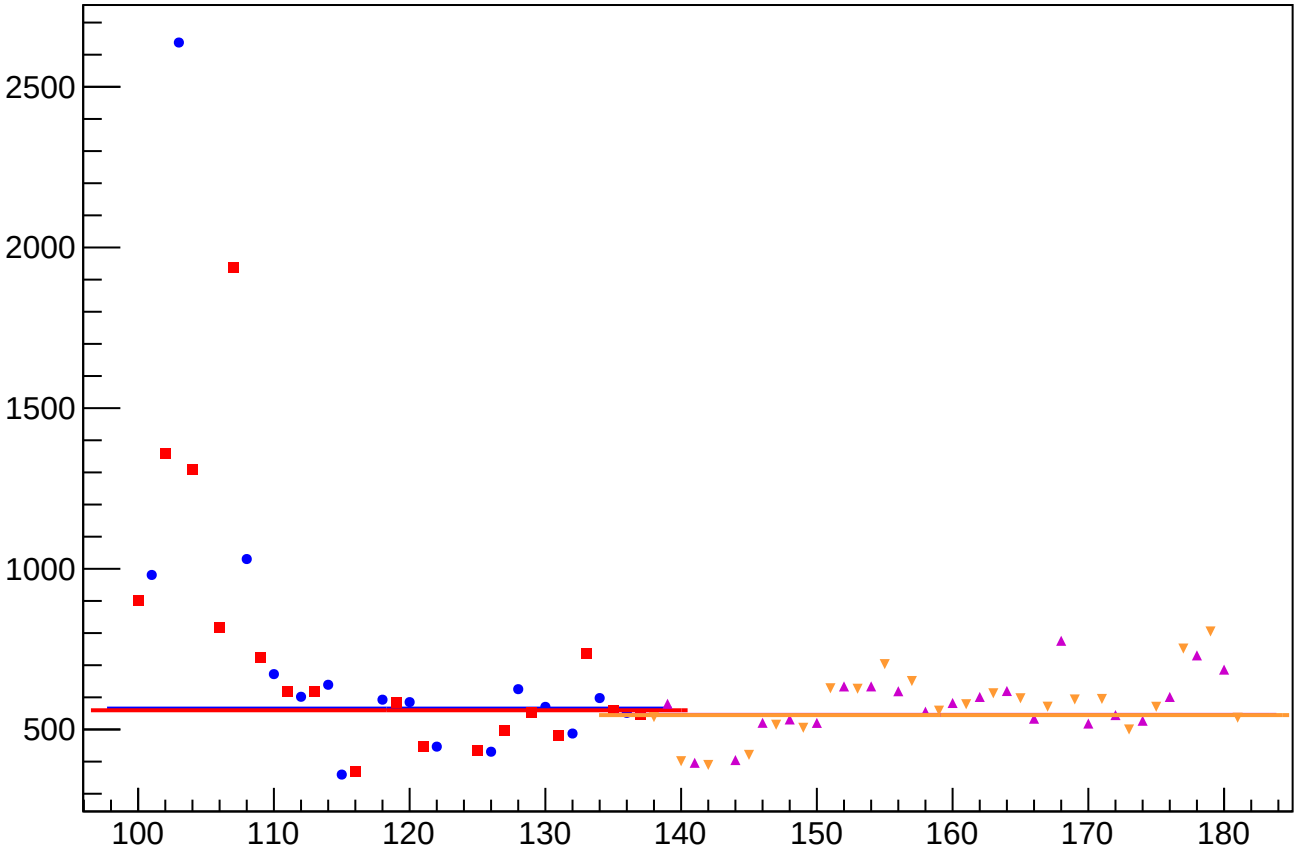
Left In: -119.804+/-133.489 χ^2/NDF:14.6/20

+ sign -448.778+/-114.014 χ^2/NDF: 88.3/37

All: -326.211+/-80.830 χ^2/NDF: 122.6/76

- sign -202.359+/-114.611 χ^2/NDF: 32.0/38

asym_usl_atl1_dd_eigen_cor_correction_rms vs Slug



Right In: 564.954+/-0.158 χ^2/NDF: 1284455.7/15

Left Out: 544.749+/-0.094 χ^2/NDF:1060317.8/21

Right Out: 559.758+/-0.158 χ^2/NDF: 1329357.2/17

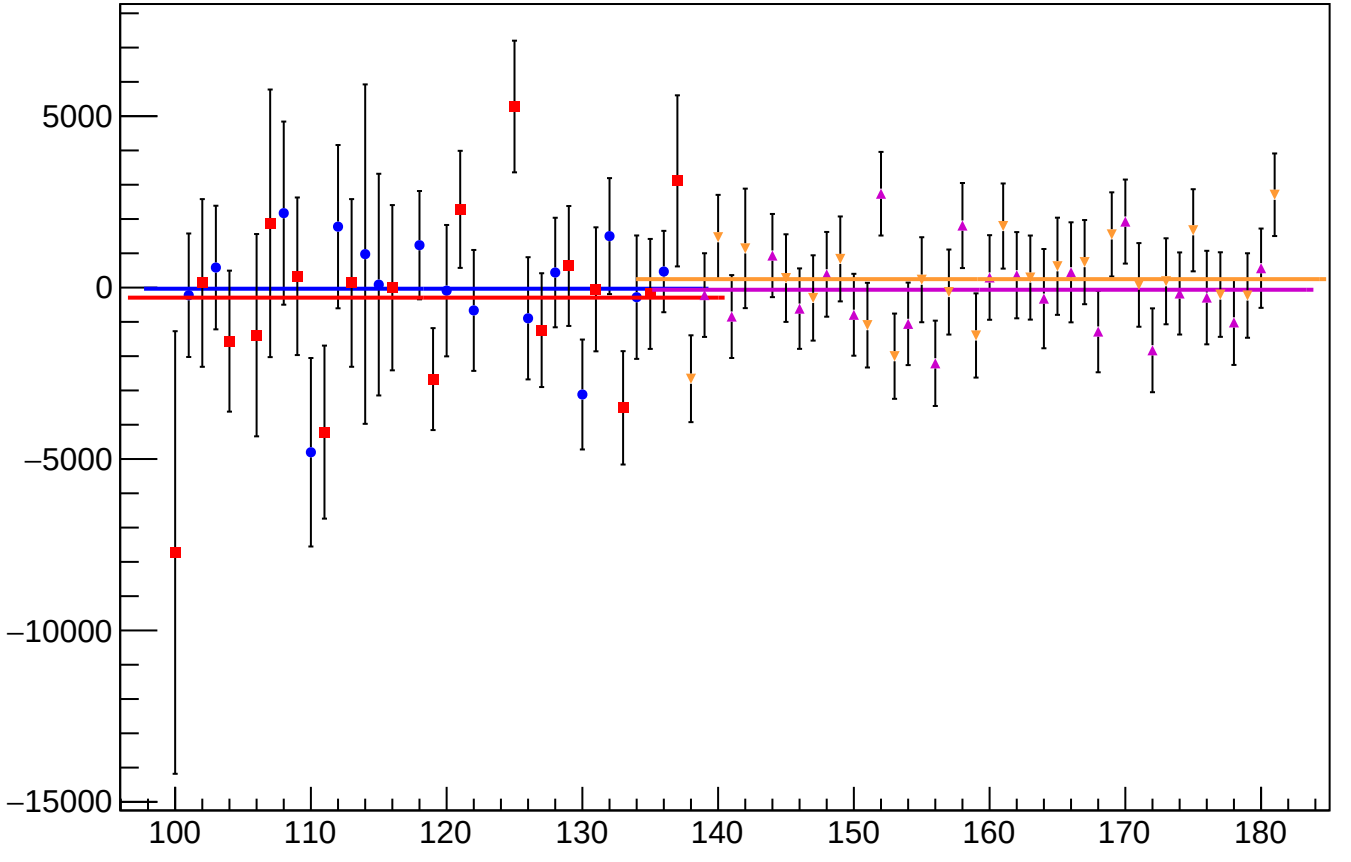
Left In: 545.437+/-0.094 χ^2/NDF:957351.4/20

+ sign 550.037+/-0.081 χ^2/NDF: 2356909.9/37

All: 549.621+/-0.057 χ^2/NDF: 4649722.3/76

- sign 549.201+/-0.081 χ^2/NDF: 2292758.9/38

dit_asym_usl_atl1_dd_mean vs Slug



Right In: -33.062+/-463.216 χ^2/NDF: 10.3/15

Left Out: 246.340+/-267.898 χ^2/NDF:22.1/21

Right Out: -293.384+/-483.838 χ^2/NDF: 24.2/17

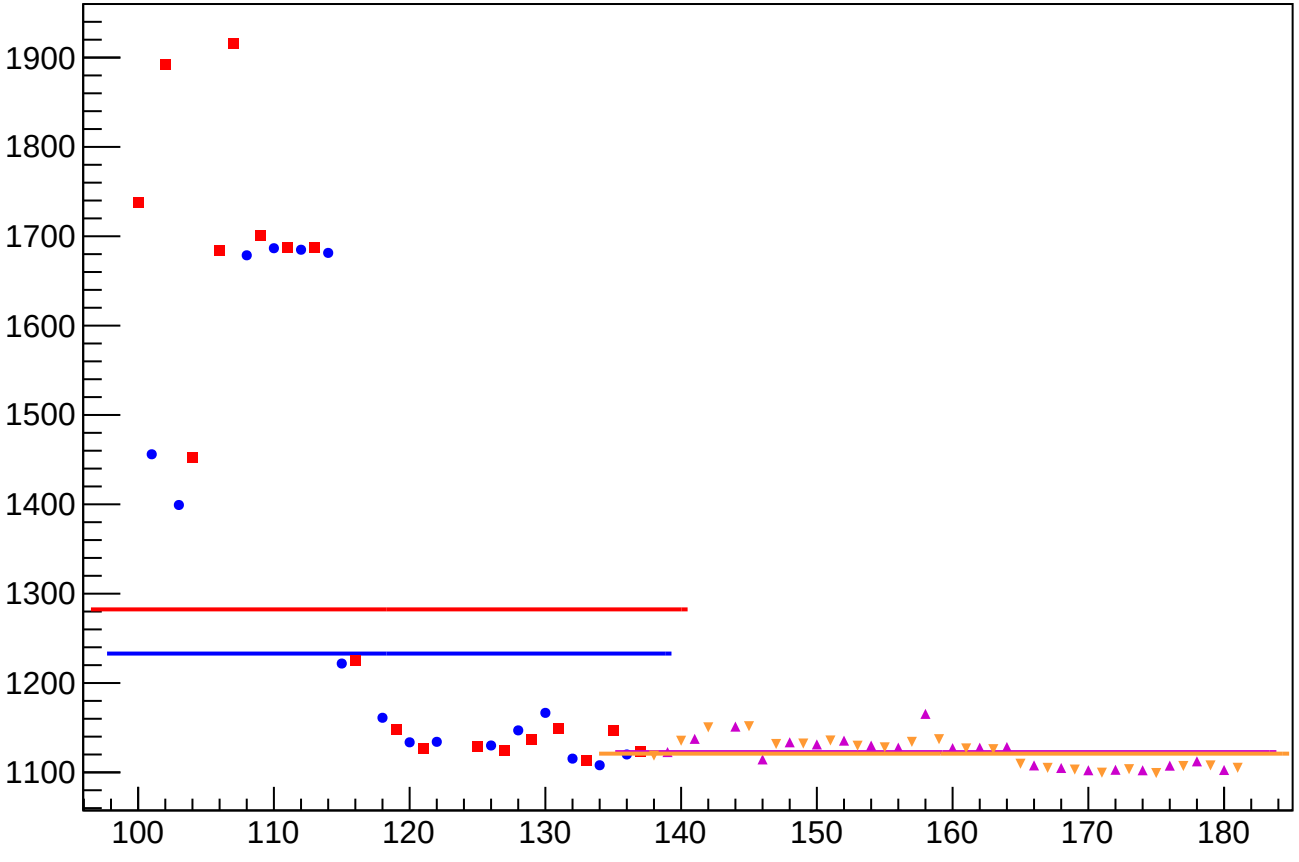
Left In: -63.027+/-270.302 χ^2/NDF:20.1/20

+ sign 176.309+/-231.907 χ^2/NDF: 32.6/37

All: 31.801+/-165.402 χ^2/NDF: 77.9/76

- sign -117.821+/-235.974 χ^2/NDF: 44.5/38

dit_asym_usl_atl1_dd_rms vs Slug



Right In: 1232.965+/-0.328 χ^2/NDF: 315470.6/15

Left Out: 1120.954+/-0.189 χ^2/NDF:6784.1/21

Right Out: 1282.407+/-0.342 χ^2/NDF: 543403.8/17

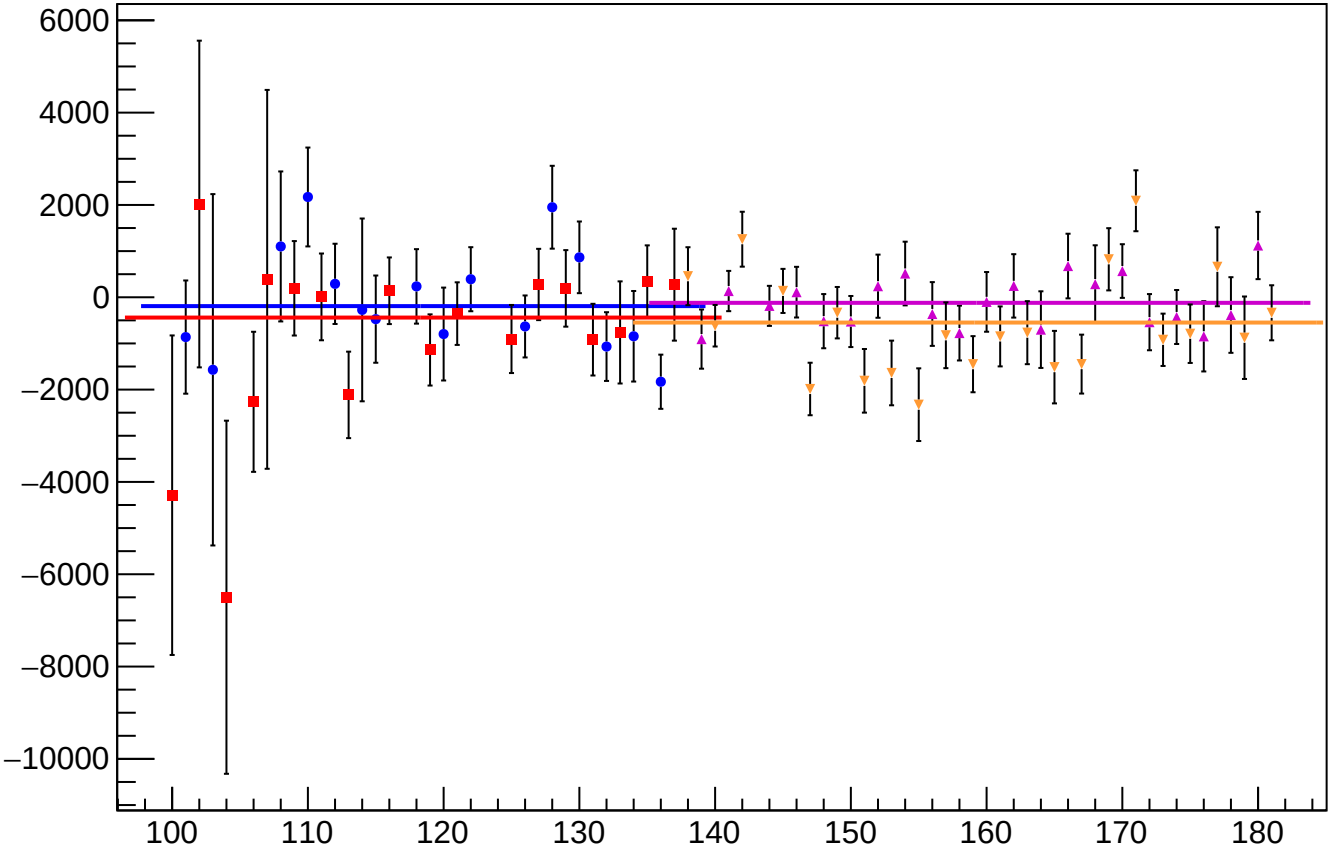
Left In: 1122.699+/-0.191 χ^2/NDF:7847.3/20

+ sign 1149.029+/-0.164 χ^2/NDF: 409888.3/37

All: 1154.757+/-0.117 χ^2/NDF: 1129701.9/76

- sign 1160.688+/-0.167 χ^2/NDF: 717330.0/38

asym_usl_atl1_dd_dit_correction_mean vs Slug



Right In: -191.528+/-222.764 χ^2/NDF: 25.3/15

Left Out: -547.631+/-134.134 χ^2/NDF:60.4/21

Right Out: -439.610+/-226.600 χ^2/NDF: 14.6/17

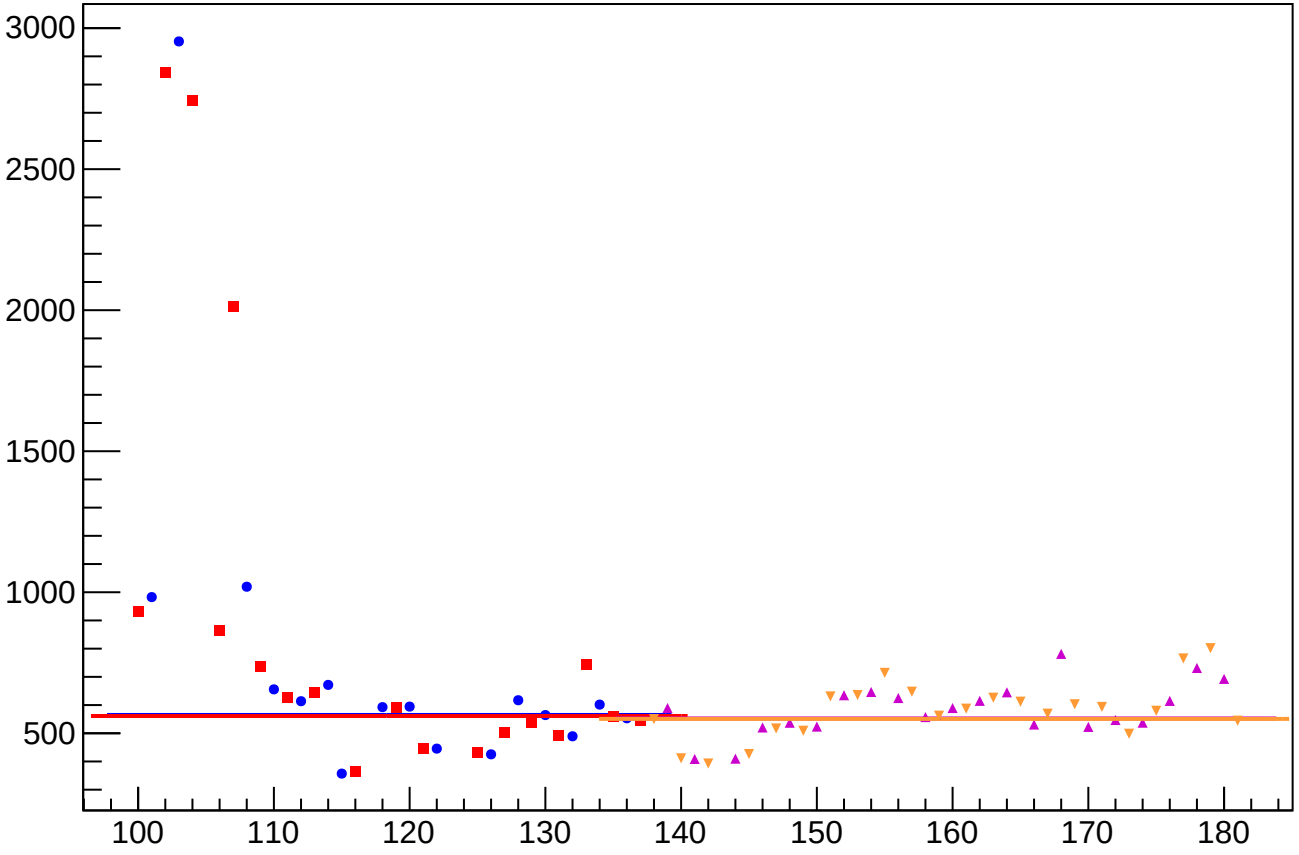
Left In: -120.426+/-135.138 χ^2/NDF:13.9/20

+ sign -452.875+/-114.910 χ^2/NDF: 87.6/37

All: -329.764+/-81.659 χ^2/NDF: 119.9/76

- sign -204.165+/-116.065 χ^2/NDF: 30.0/38

asym_usl_atl1_dd_dit_correction_rms vs Slug



Right In: 564.871+/-0.158 χ^2/NDF: 1480375.5/15

Left Out: 550.972+/-0.095 χ^2/NDF:1037694.7/21

Right Out: 561.273+/-0.160 χ^2/NDF: 2273371.7/17

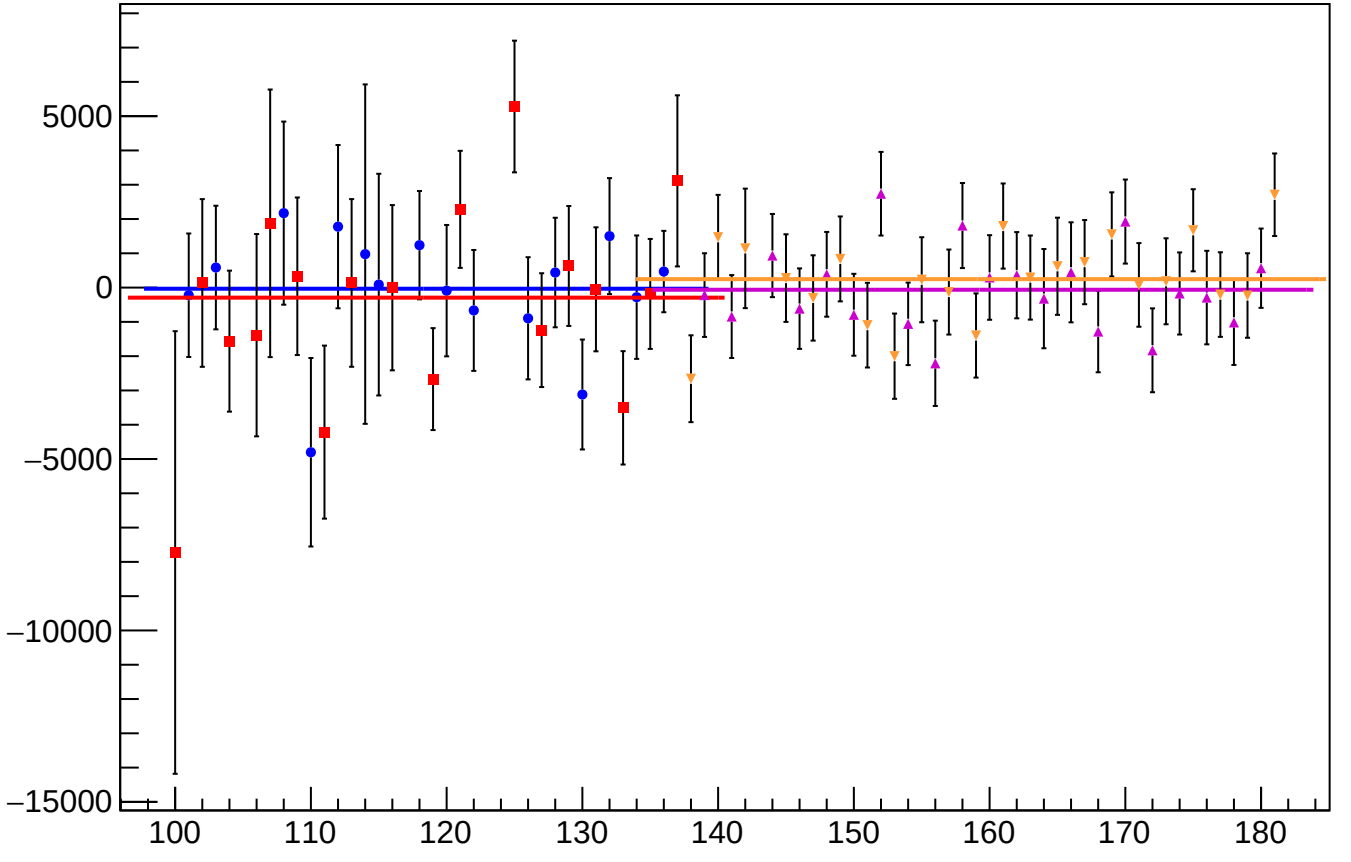
Left In: 552.537+/-0.096 χ^2/NDF:928890.5/20

+ sign 554.670+/-0.081 χ^2/NDF: 2523784.3/37

All: 554.749+/-0.058 χ^2/NDF: 5728241.1/76

- sign 554.829+/-0.082 χ^2/NDF: 3204455.0/38

eigen_dit_asym_usl_atl1_dd_mean vs Slug



Right In: -33.061+/-463.216 χ^2/NDF: 10.3/15

Left Out: 246.338+/-267.898 χ^2/NDF:22.1/21

Right Out: -293.384+/-483.838 χ^2/NDF: 24.2/17

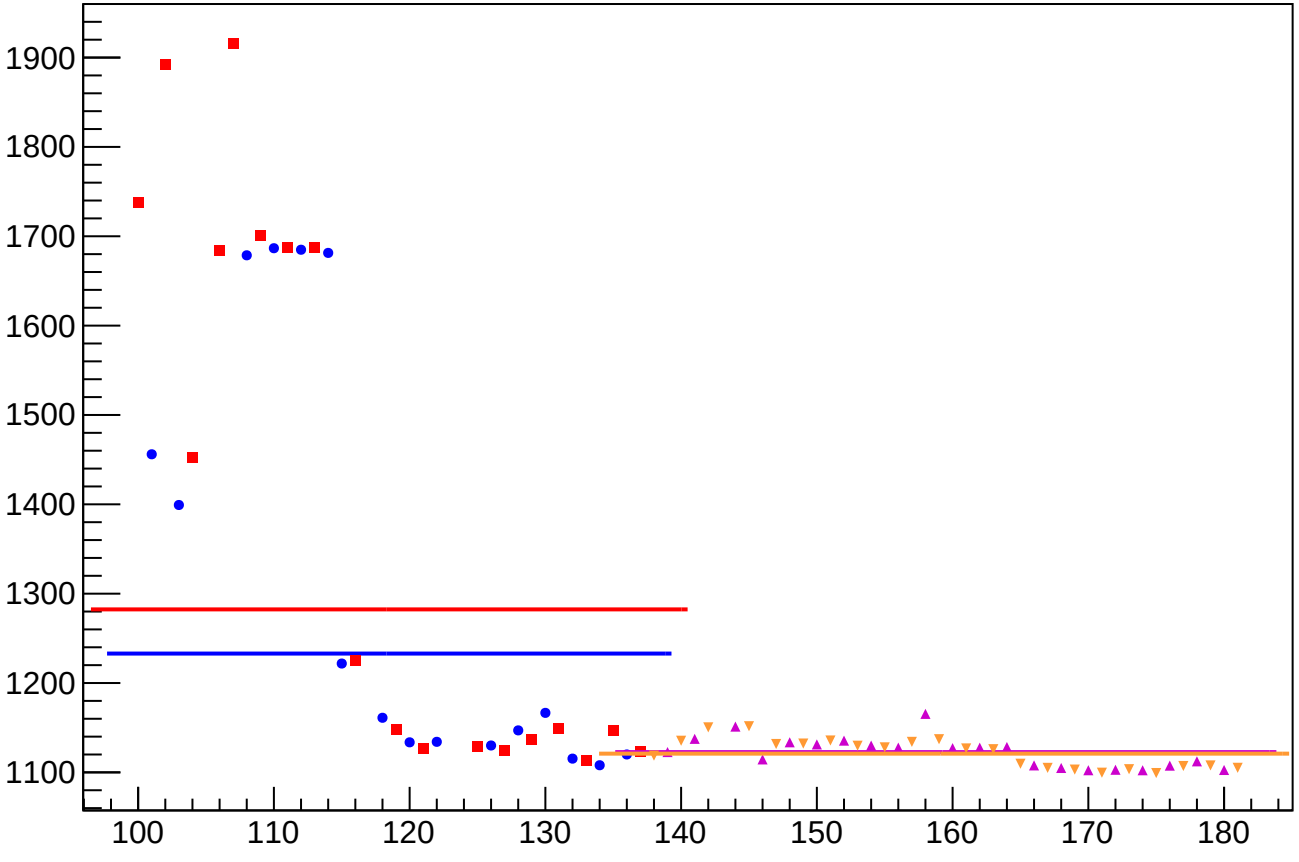
Left In: -63.028+/-270.302 χ^2/NDF:20.1/20

+ sign 176.308+/-231.907 χ^2/NDF: 32.6/37

All: 31.800+/-165.402 χ^2/NDF: 77.9/76

- sign -117.821+/-235.974 χ^2/NDF: 44.5/38

eigen_dit_asym_usl_atl1_dd_rms vs Slug



Right In: 1232.965+/-0.328 χ^2/NDF: 315470.2/15

Left Out: 1120.954+/-0.189 χ^2/NDF:6784.1/21

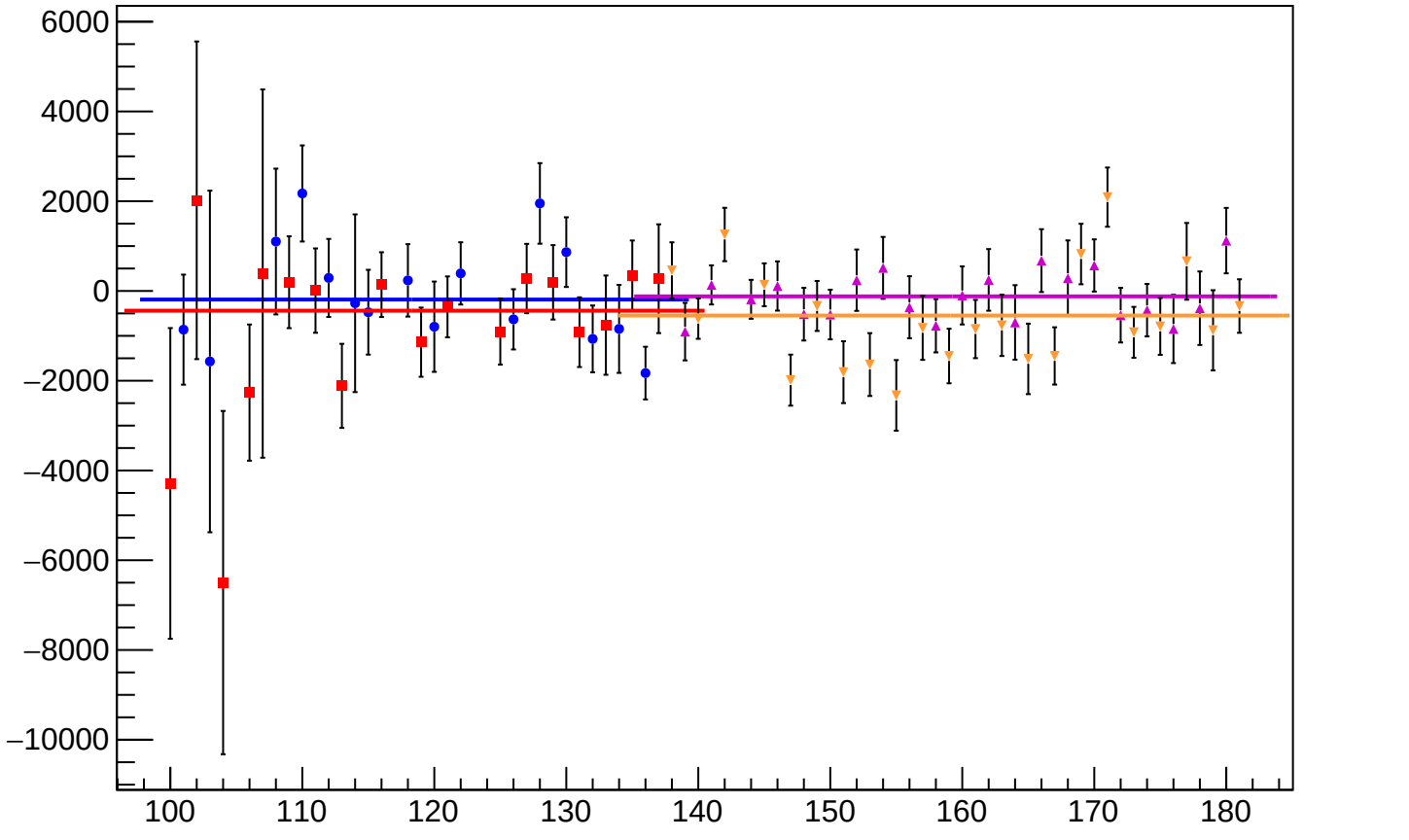
Right Out: 1282.407+/-0.342 χ^2/NDF: 543403.2/17

Left In: 1122.699+/-0.191 χ^2/NDF:7847.3/20

+ sign 1149.029+/-0.164 χ^2/NDF: 409887.8/37

All: 1154.757+/-0.117 χ^2/NDF: 1129700.7/76

- sign 1160.688+/-0.167 χ^2/NDF: 717329.3/38



Right In: -191.527+/-222.763 χ^2/NDF: 25.3/15

Left Out: -547.630+/-134.134 χ^2/NDF:60.4/21

Right Out: -439.611+/-226.600 χ^2/NDF: 14.6/17

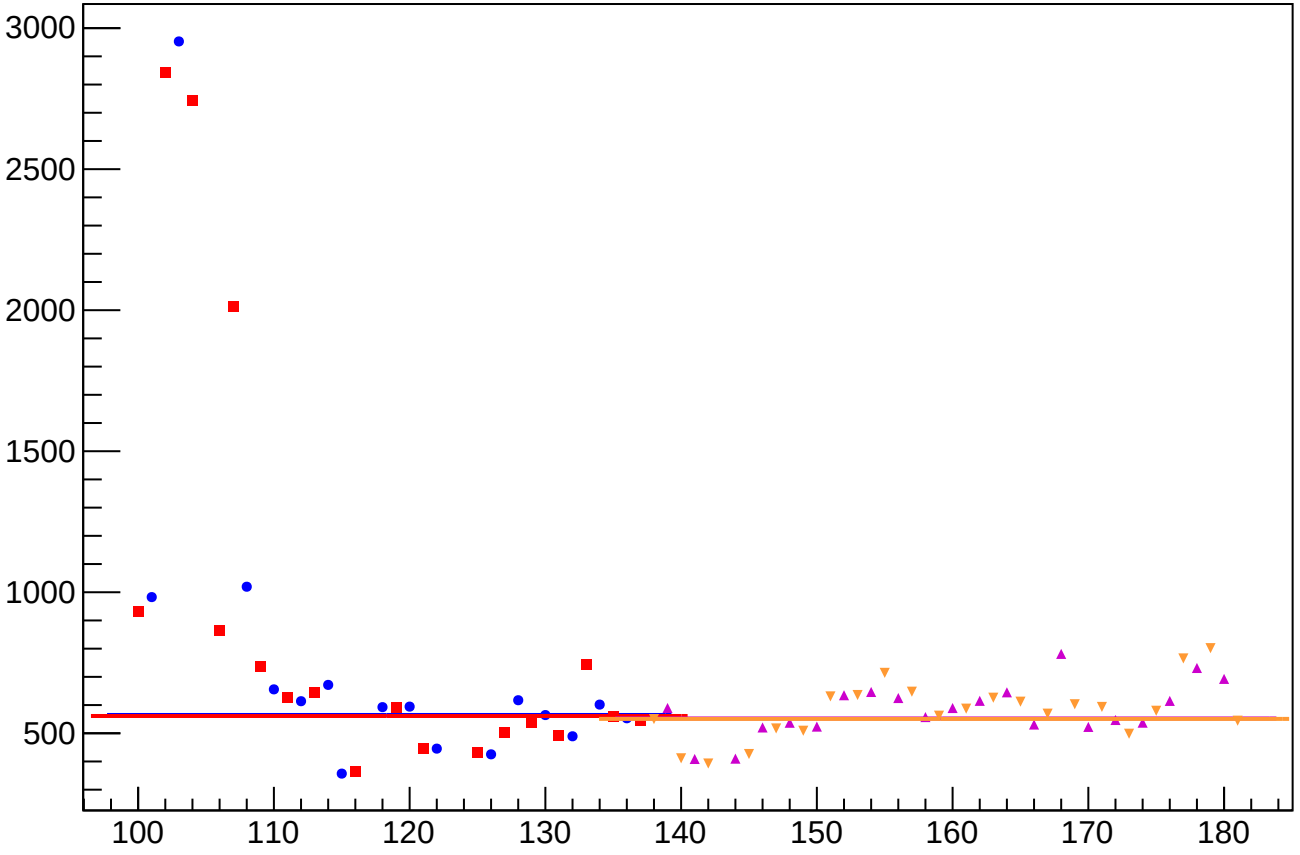
Left In: -120.426+/-135.138 χ^2/NDF:13.9/20

+ sign -452.874+/-114.910 χ^2/NDF: 87.6/37

All: -329.763+/-81.659 χ^2/NDF: 119.9/76

- sign -204.165+/-116.065 χ^2/NDF: 30.0/38

asym_usl_atl1_dd_eigen_dit_correction_rms vs Slug



Right In: 564.871+/-0.158 χ^2/NDF: 1480372.9/15

Left Out: 550.971+/-0.095 χ^2/NDF:1037714.3/21

Right Out: 561.273+/-0.160 χ^2/NDF: 2273372.4/17

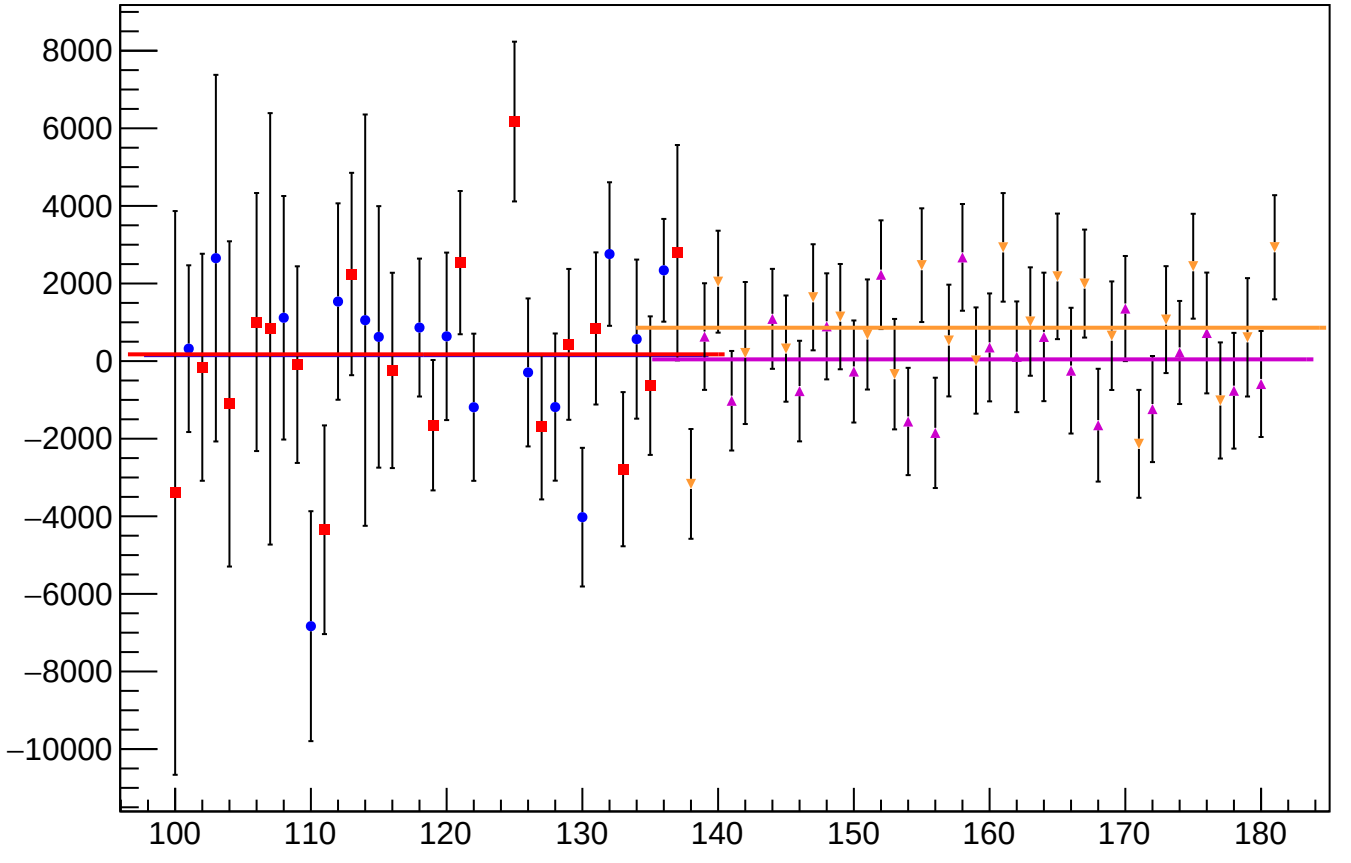
Left In: 552.536+/-0.096 χ^2/NDF:928904.1/20

+ sign 554.670+/-0.081 χ^2/NDF: 2523801.8/37

All: 554.748+/-0.058 χ^2/NDF: 5728273.2/76

- sign 554.828+/-0.082 χ^2/NDF: 3204469.5/38

asym_usl_atl1_dd_mean vs Slug



Right In: 153.375+/-532.096 χ^2/NDF: 17.8/15

Left Out: 860.069+/-302.676 χ^2/NDF:25.5/21

Right Out: 174.319+/-550.153 χ^2/NDF: 19.7/17

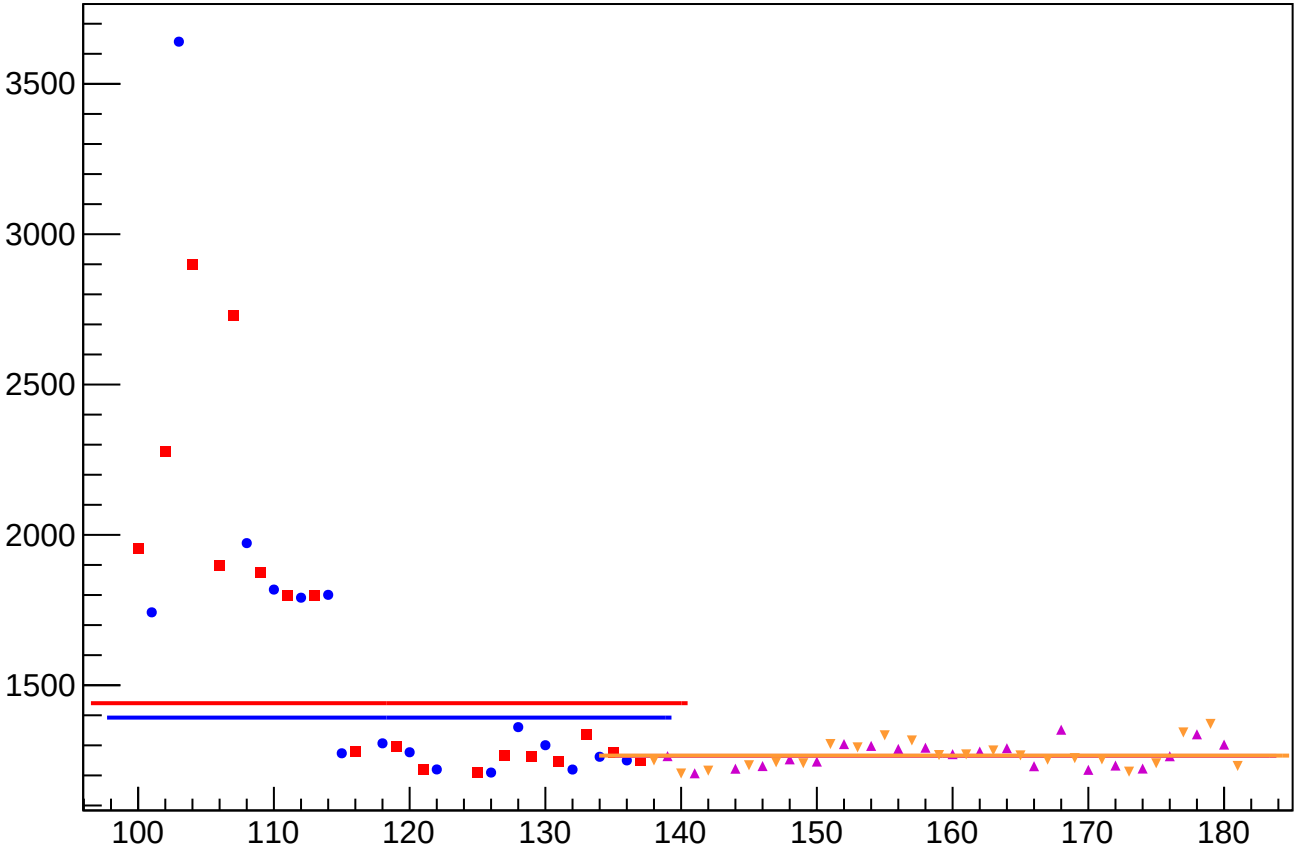
Left In: 44.900+/-304.664 χ^2/NDF:15.7/20

+ sign 687.302+/-263.090 χ^2/NDF: 44.6/37

All: 385.258+/-187.235 χ^2/NDF: 82.6/76

- sign 75.275+/-266.525 χ^2/NDF: 35.4/38

asym_usl_atl1_dd_rms vs Slug



Right In: 1392.299+/-0.376 χ^2/NDF: 779240.9/15

Left Out: 1265.917+/-0.214 χ^2/NDF:37733.4/21

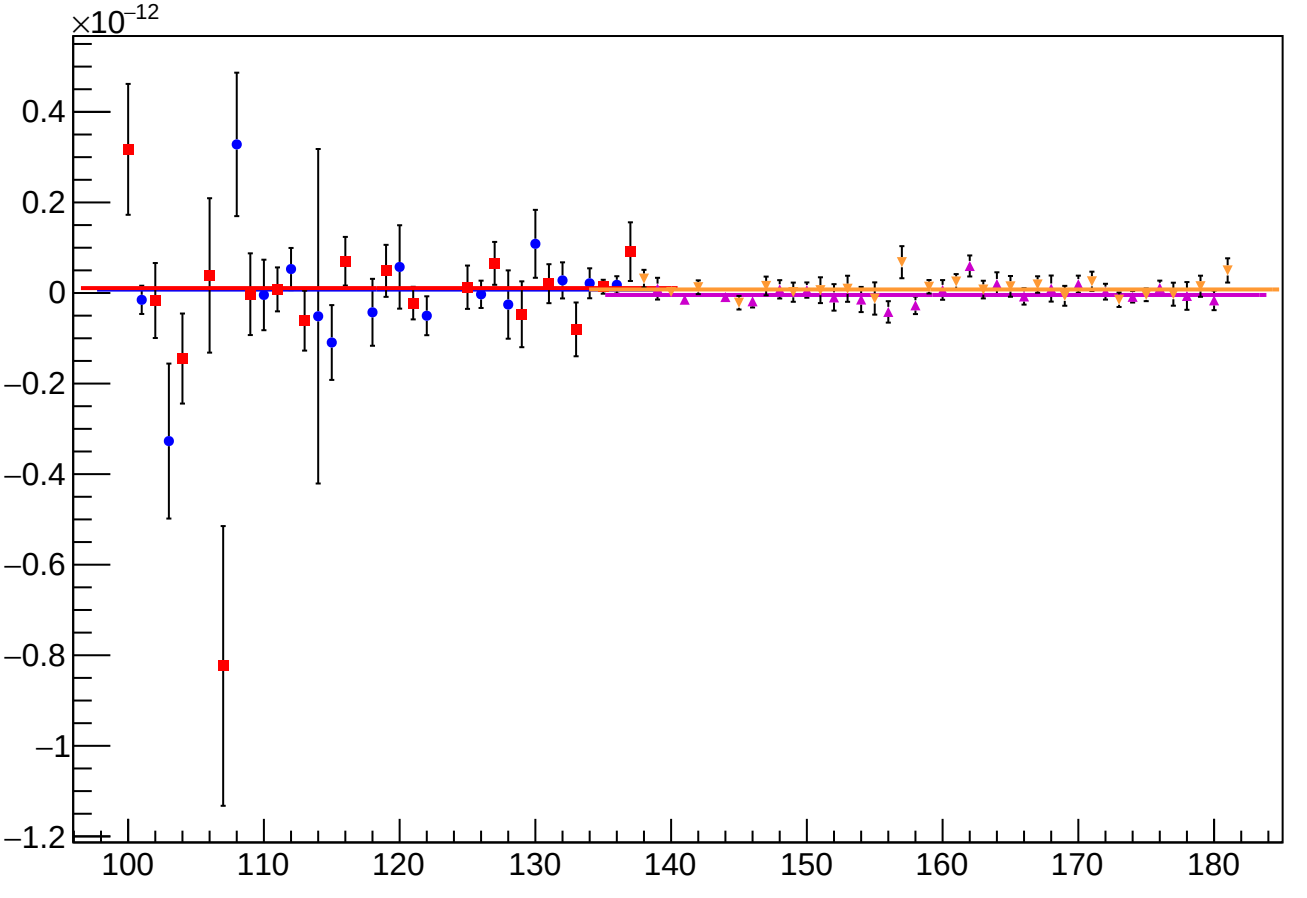
Right Out: 1440.222+/-0.389 χ^2/NDF: 854885.8/17

Left In: 1264.835+/-0.215 χ^2/NDF:32586.9/20

+ sign 1296.813+/-0.186 χ^2/NDF: 902219.8/37

All: 1301.346+/-0.132 χ^2/NDF: 1946452.6/76

- sign 1305.998+/-0.188 χ^2/NDF: 1043029.8/38



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.4/21

Right Out: 0.000+/-0.000 χ^2/NDF: 24.0/17

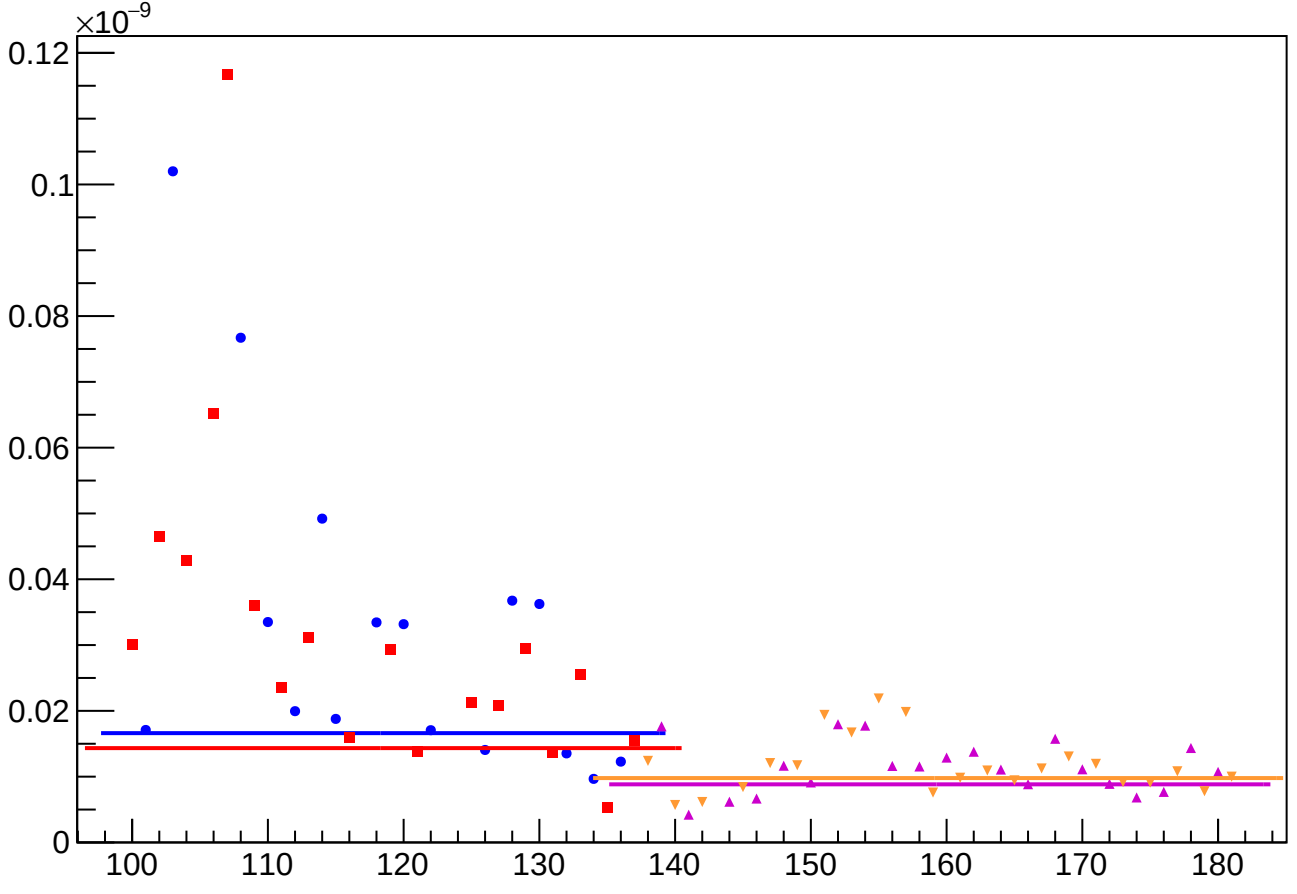
Left In: -0.000+/-0.000 χ^2/NDF:19.8/20

+ sign 0.000+/-0.000 χ^2/NDF: 34.2/37

All: 0.000+/-0.000 χ^2/NDF: 83.9/76

- sign -0.000+/-0.000 χ^2/NDF: 45.7/38

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:1370094.9/21

Right Out: 0.000+/-0.000 χ^2/NDF: 2258014.9/17

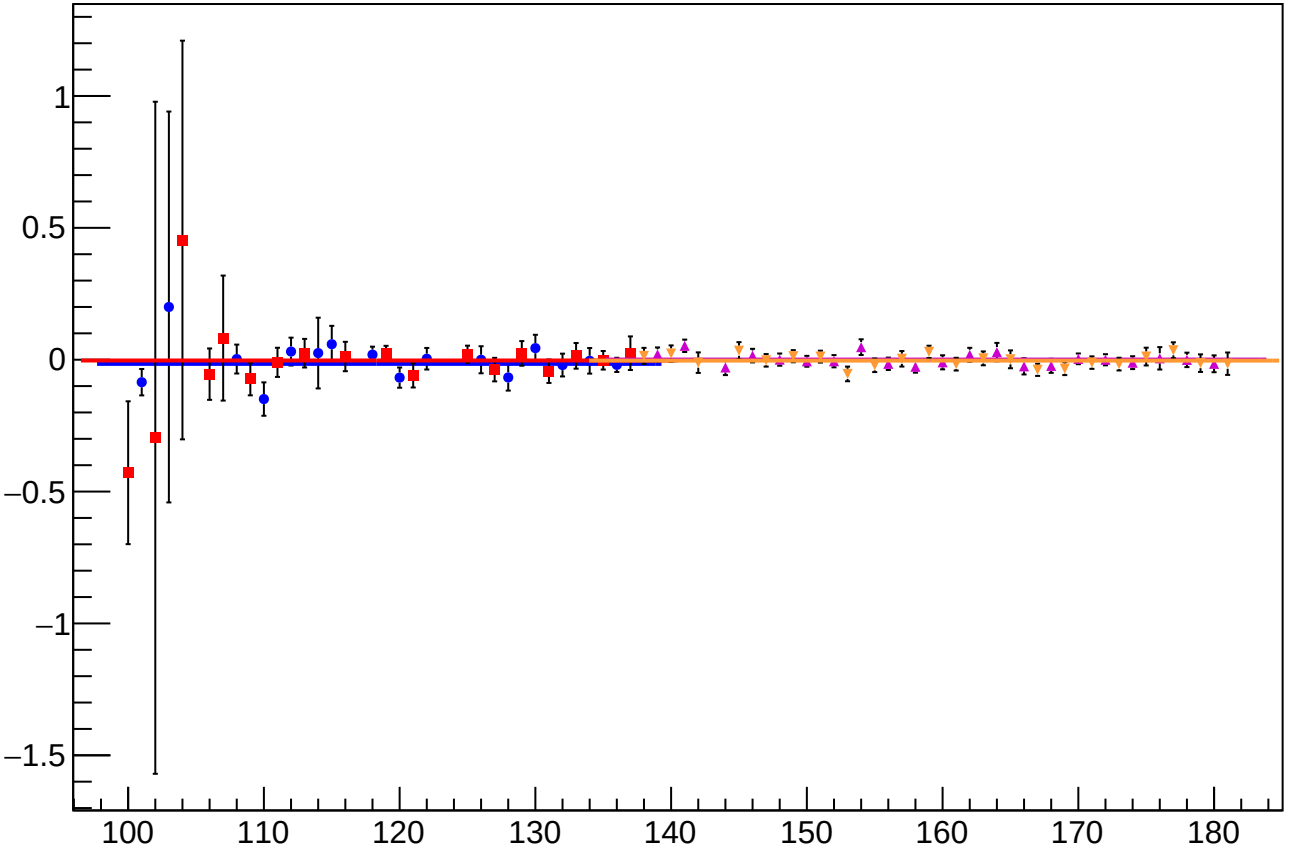
Left In: 0.000+/-0.000 χ^2/NDF:1896381.2/20

+ sign 0.000+/-0.000 χ^2/NDF: 3637938.1/37

All: 0.000+/-0.000 χ^2/NDF: 8367605.7/76

- sign 0.000+/-0.000 χ^2/NDF: 4632399.8/38

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:16.0/21

Right Out: -0.003+/-0.012 χ^2/NDF: 9.9/17

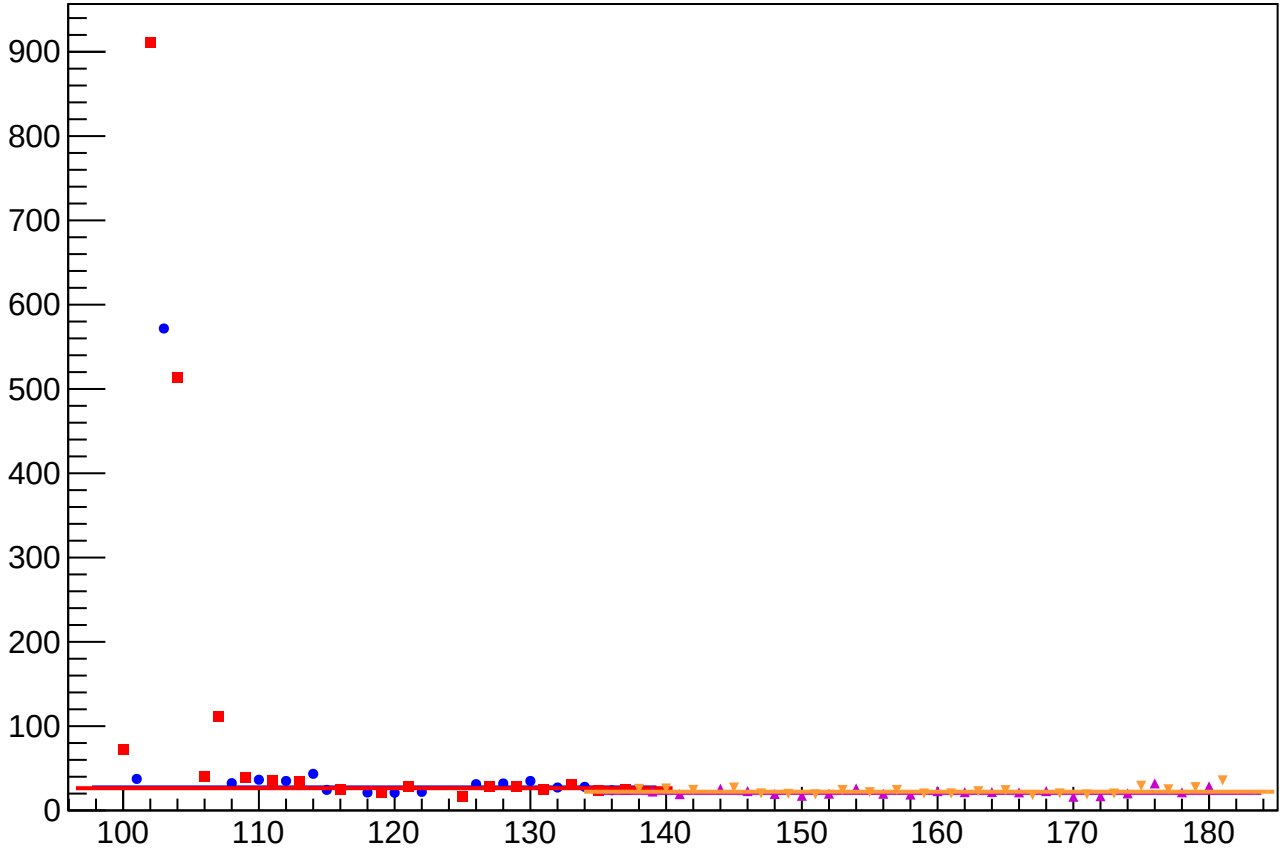
Left In: 0.000+/-0.006 χ^2/NDF:14.8/20

+ sign -0.006+/-0.005 χ^2/NDF: 31.5/37

All: -0.003+/-0.004 χ^2/NDF: 56.8/76

- sign -0.000+/-0.005 χ^2/NDF: 24.7/38

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: 22.222+/-0.004 χ^2/NDF:724976.8/21

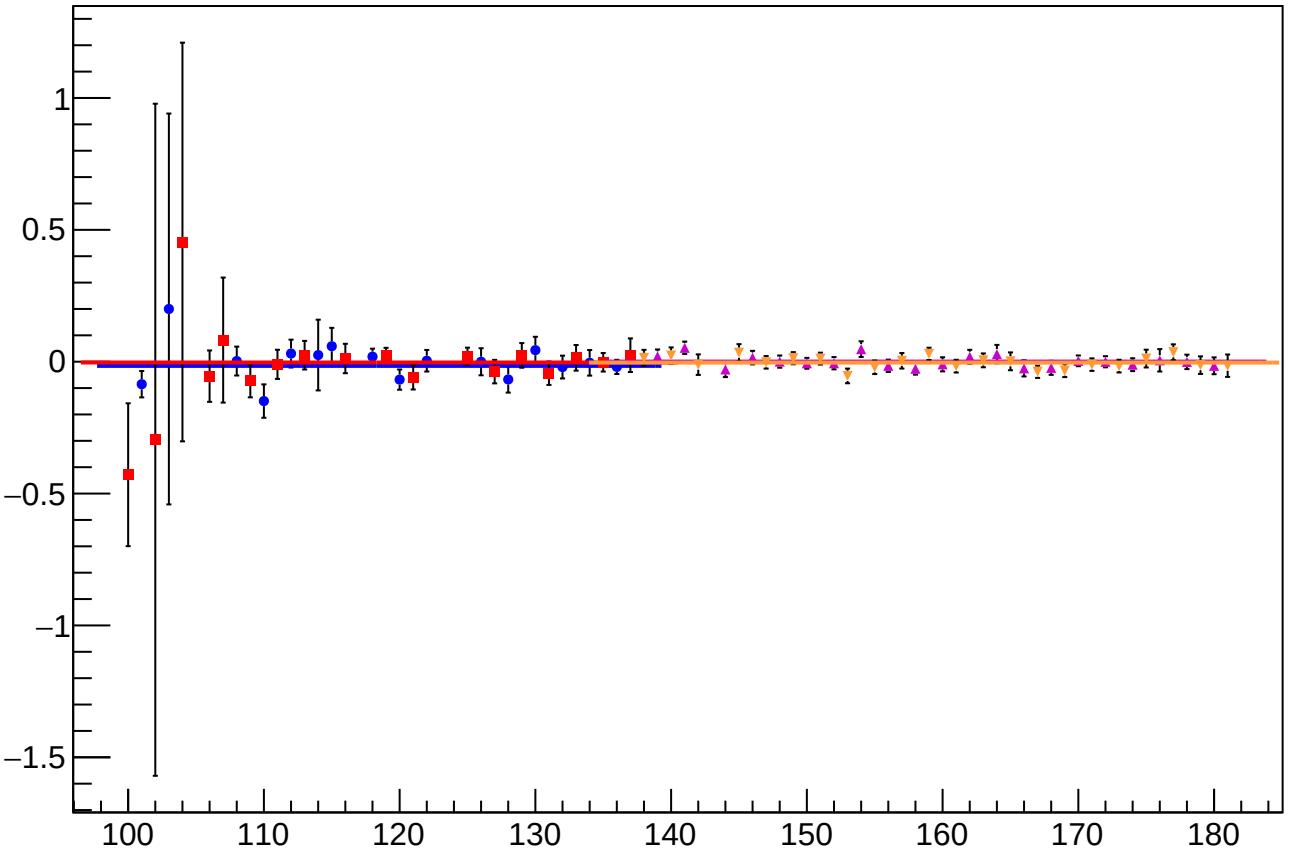
Right Out: 26.400+/-0.009 χ^2/NDF: 2614691.8/17

Left In: 20.844+/-0.004 χ^2/NDF:694001.2/20

+ sign 23.248+/-0.004 χ^2/NDF: 2602010.6/37

All: 22.517+/-0.003 χ^2/NDF: 6339586.9/76

- sign 21.825+/-0.004 χ^2/NDF: 3660446.8/38



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: -0.003+/-0.006 χ^2/NDF:16.0/21

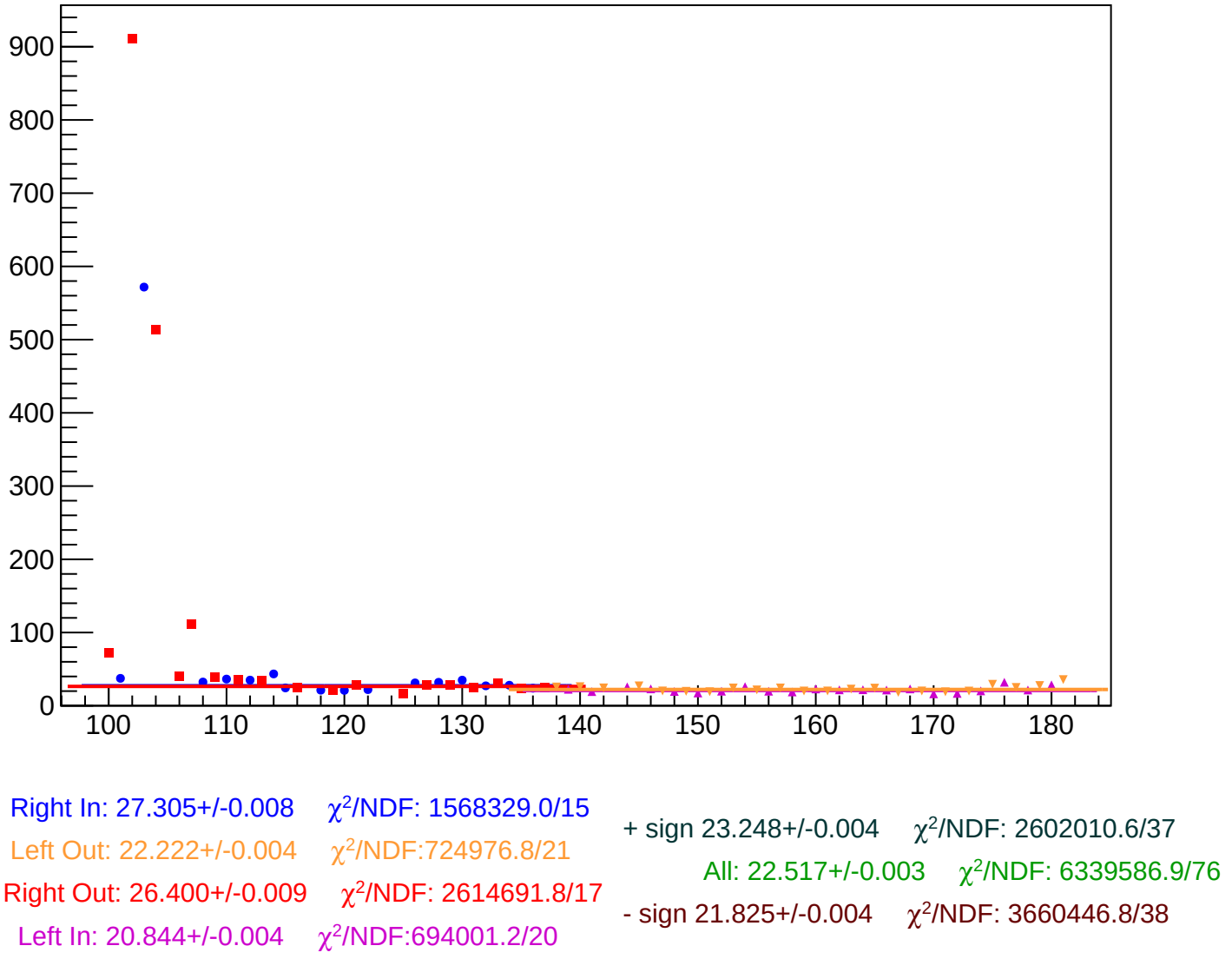
Right Out: -0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: 0.000+/-0.006 χ^2/NDF:14.8/20

+ sign -0.006+/-0.005 χ^2/NDF: 31.5/37

All: -0.003+/-0.004 χ^2/NDF: 56.8/76

- sign -0.000+/-0.005 χ^2/NDF: 24.7/38


asym_usl_atl1_dd_dit_vs_eigen_cor_diff_rms vs Slug
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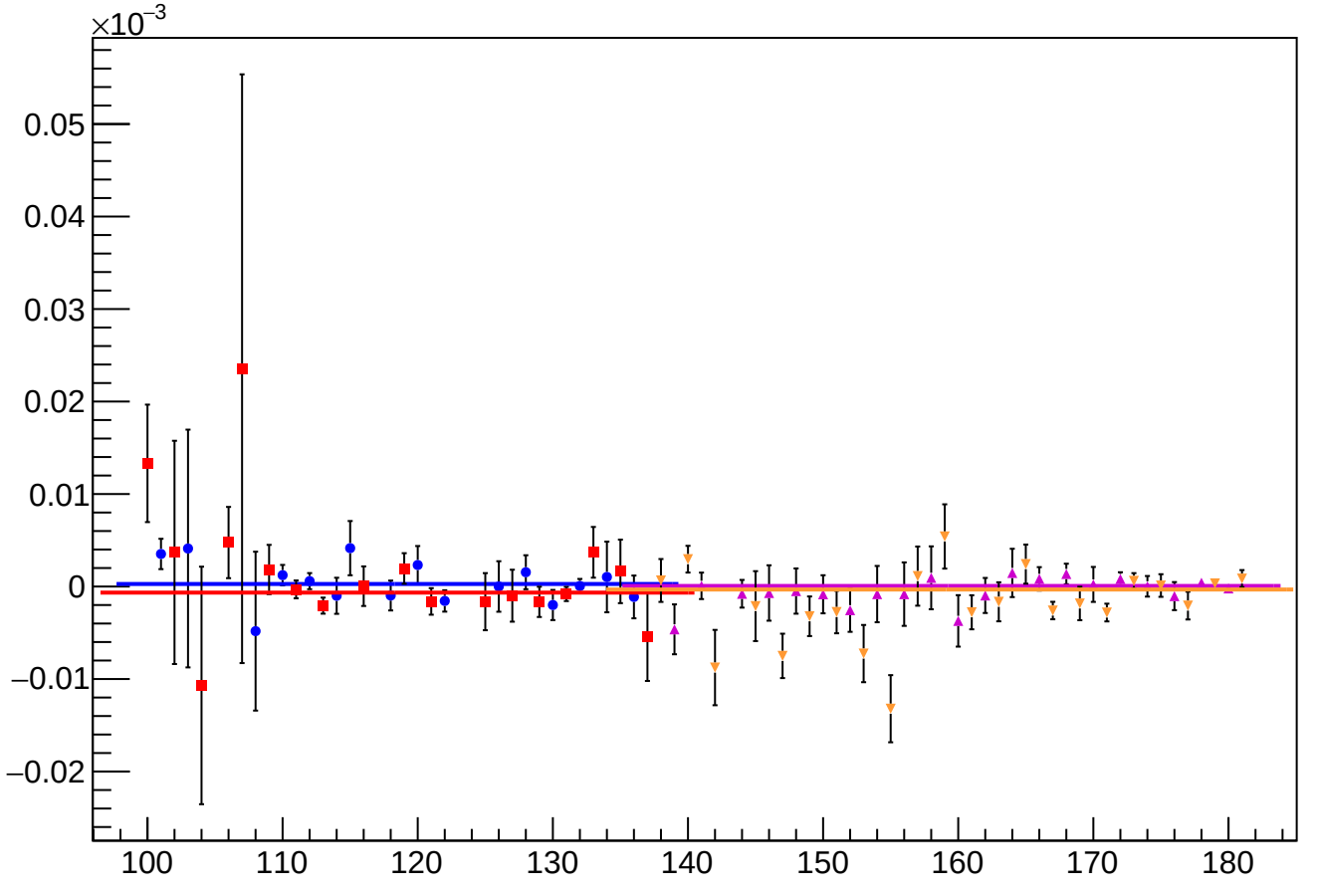
Right In: 27.305+/-0.008 χ²/NDF: 1568329.0/15
Left Out: 22.222+/-0.004 χ²/NDF:724976.8/21
Right Out: 26.400+/-0.009 χ²/NDF: 2614691.8/17
Left In: 20.844+/-0.004 χ²/NDF:694001.2/20
+ sign 23.248+/-0.004 χ²/NDF: 2602010.6/37
All: 22.517+/-0.003 χ²/NDF: 6339586.9/76
- sign 21.825+/-0.004 χ²/NDF: 3660446.8/38



Right In: 0.000+/-0.000 χ^2/NDF: 14.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:67.8/21

Right Out: -0.000+/-0.000 χ^2/NDF: 19.3/17

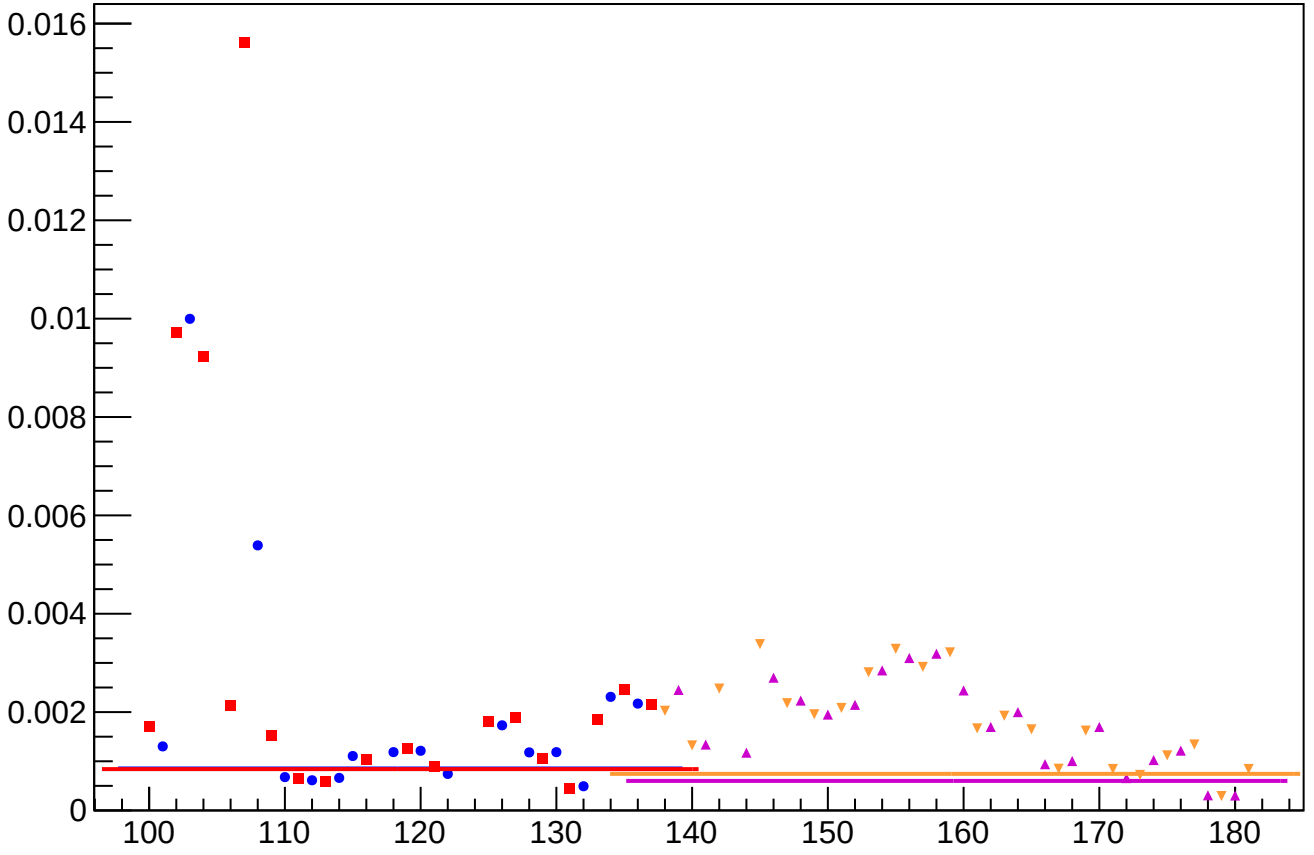
Left In: 0.000+/-0.000 χ^2/NDF:12.4/20

+ sign -0.000+/-0.000 χ^2/NDF: 84.0/37

All: -0.000+/-0.000 χ^2/NDF: 118.4/76

- sign -0.000+/-0.000 χ^2/NDF: 34.3/38

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:14483974.8/21

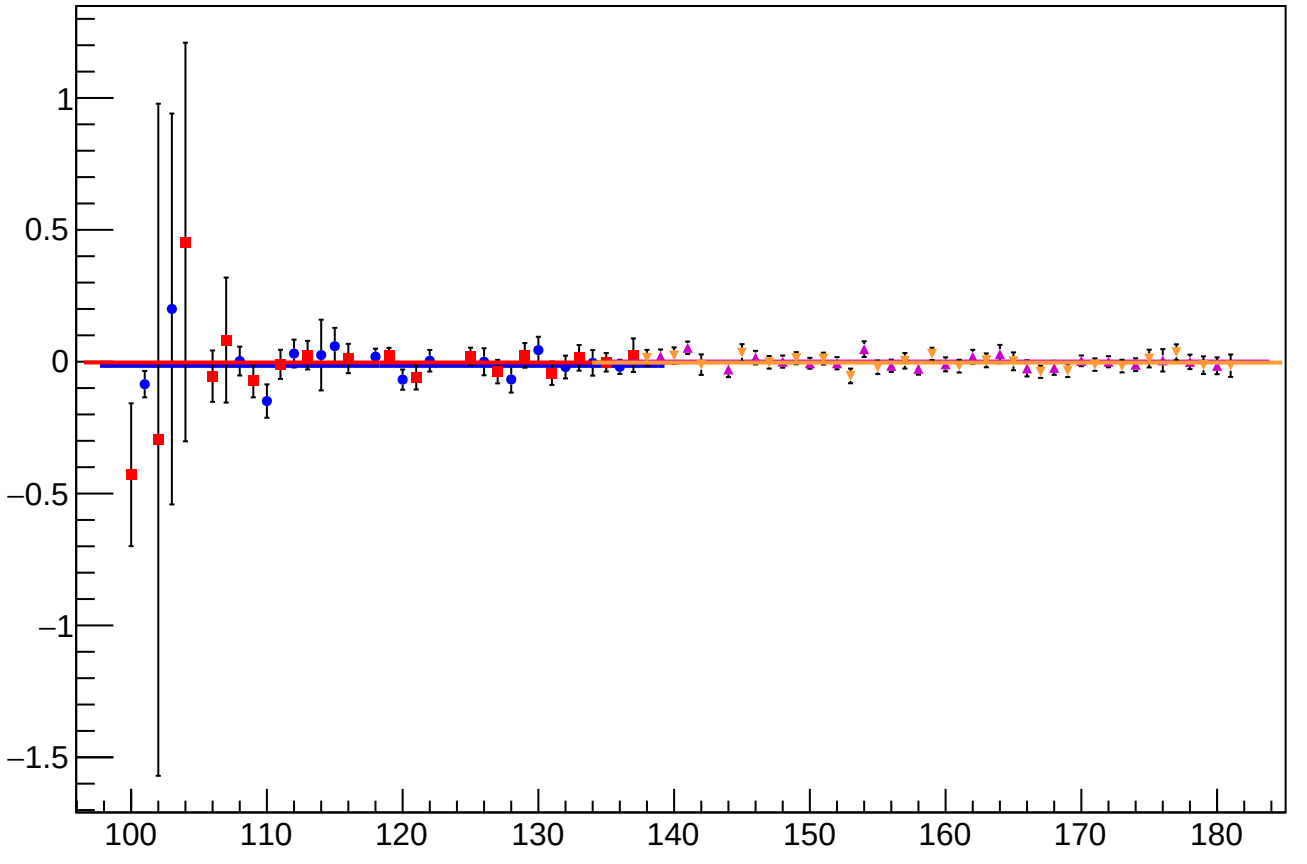
Right Out: 0.001+/-0.000 χ^2/NDF: 5039455.2/17

Left In: 0.001+/-0.000 χ^2/NDF:15452905.3/20

+ sign 0.001+/-0.000 χ^2/NDF: 18468421.7/37

All: 0.001+/-0.000 χ^2/NDF: 39966279.6/76

- sign 0.001+/-0.000 χ^2/NDF: 21066938.6/38



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: -0.003+/-0.006 χ^2/NDF:16.0/21

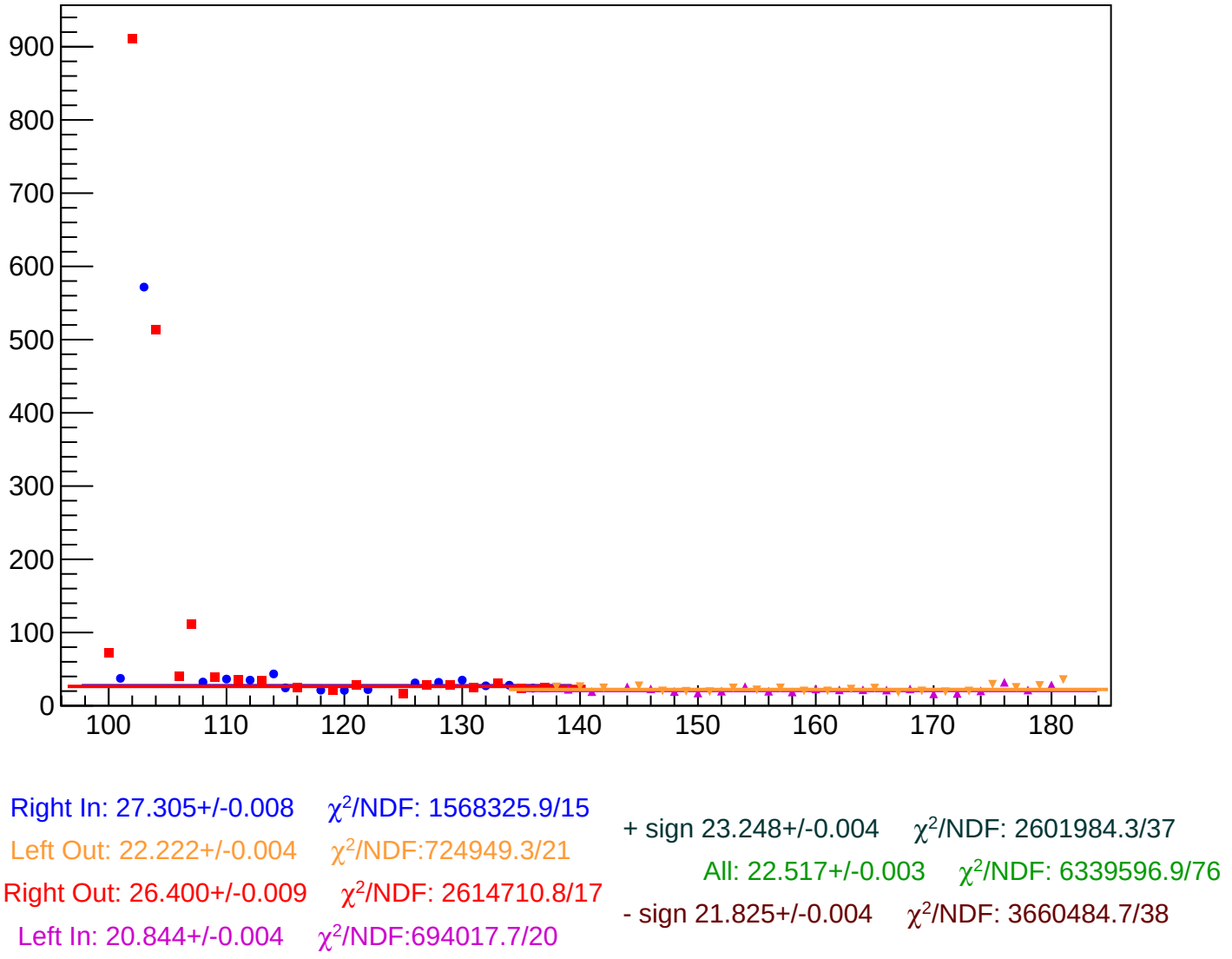
Right Out: -0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: 0.000+/-0.006 χ^2/NDF:14.8/20

+ sign -0.006+/-0.005 χ^2/NDF: 31.5/37

All: -0.003+/-0.004 χ^2/NDF: 56.8/76

- sign -0.000+/-0.005 χ^2/NDF: 24.7/38


asym_usl_atl1_dd_eigen_dit_vs_cor_diff_rms vs Slug
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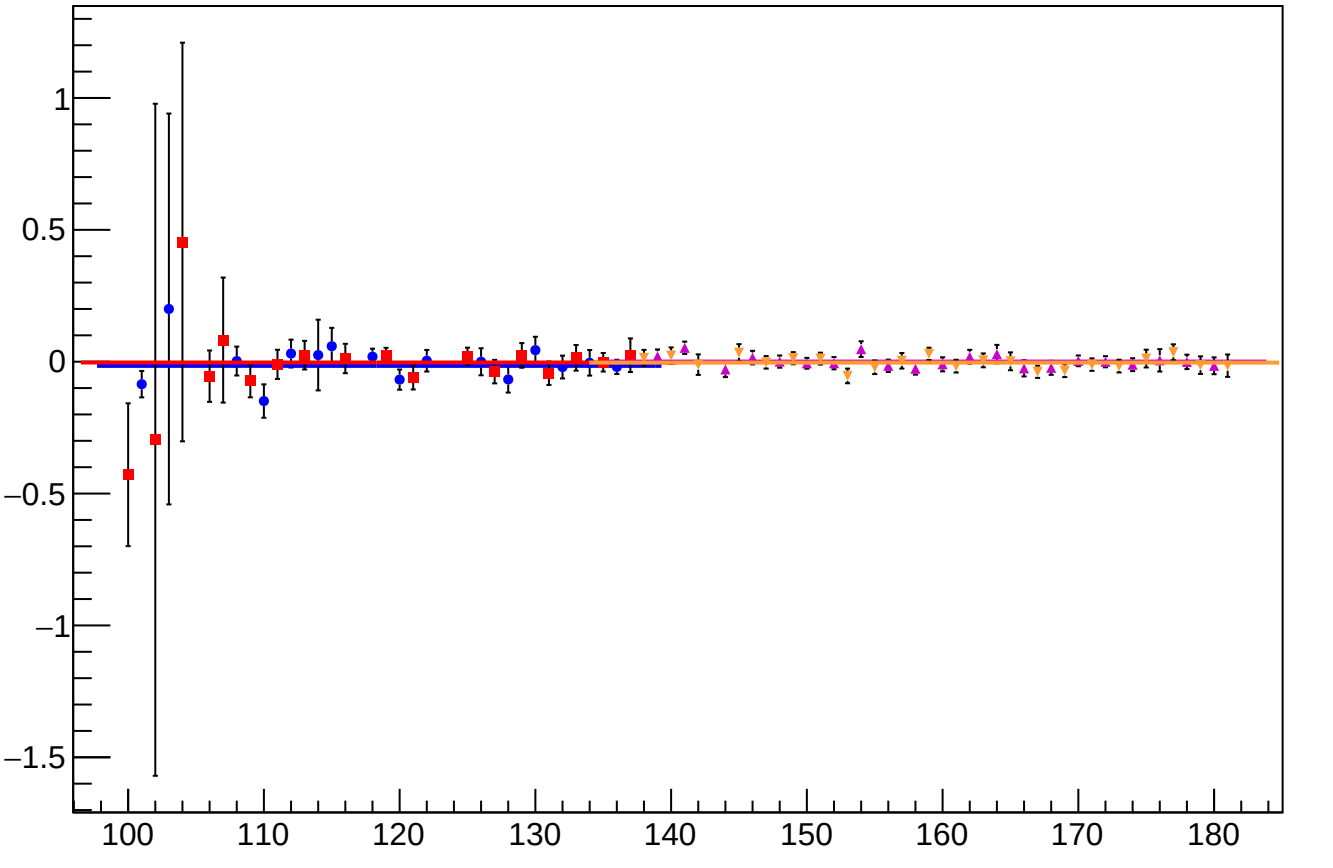
Right In: 27.305+/-0.008 χ²/NDF: 1568325.9/15
Left Out: 22.222+/-0.004 χ²/NDF:724949.3/21
Right Out: 26.400+/-0.009 χ²/NDF: 2614710.8/17
Left In: 20.844+/-0.004 χ²/NDF:694017.7/20
+ sign 23.248+/-0.004 χ²/NDF: 2601984.3/37
All: 22.517+/-0.003 χ²/NDF: 6339596.9/76
- sign 21.825+/-0.004 χ²/NDF: 3660484.7/38



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: -0.003+/-0.006 χ^2/NDF:16.0/21

Right Out: -0.003+/-0.012 χ^2/NDF: 9.9/17

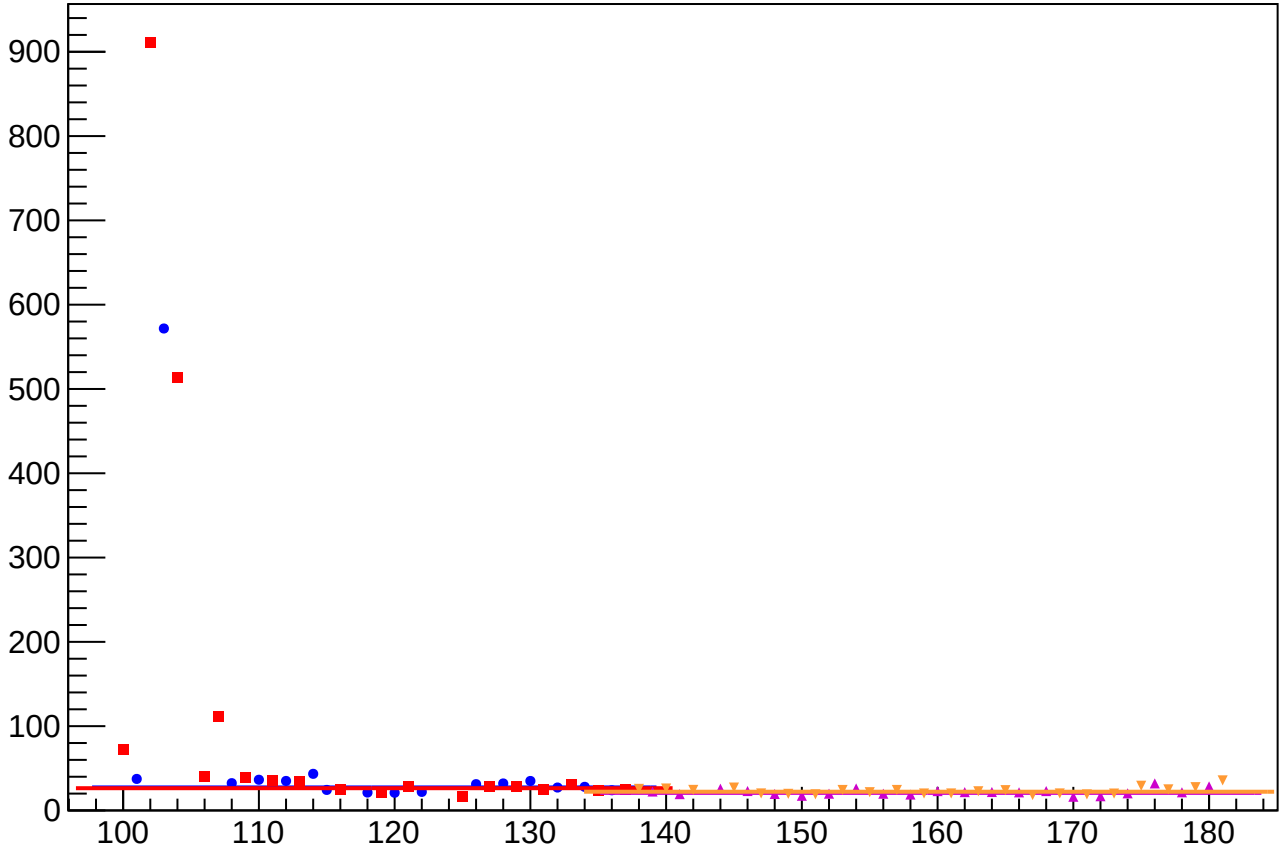
Left In: 0.000+/-0.006 χ^2/NDF:14.8/20

+ sign -0.006+/-0.005 χ^2/NDF: 31.5/37

All: -0.003+/-0.004 χ^2/NDF: 56.8/76

- sign -0.000+/-0.005 χ^2/NDF: 24.7/38

asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 27.305+/-0.008 χ^2/NDF: 1568325.9/15

Left Out: 22.222+/-0.004 χ^2/NDF:724949.3/21

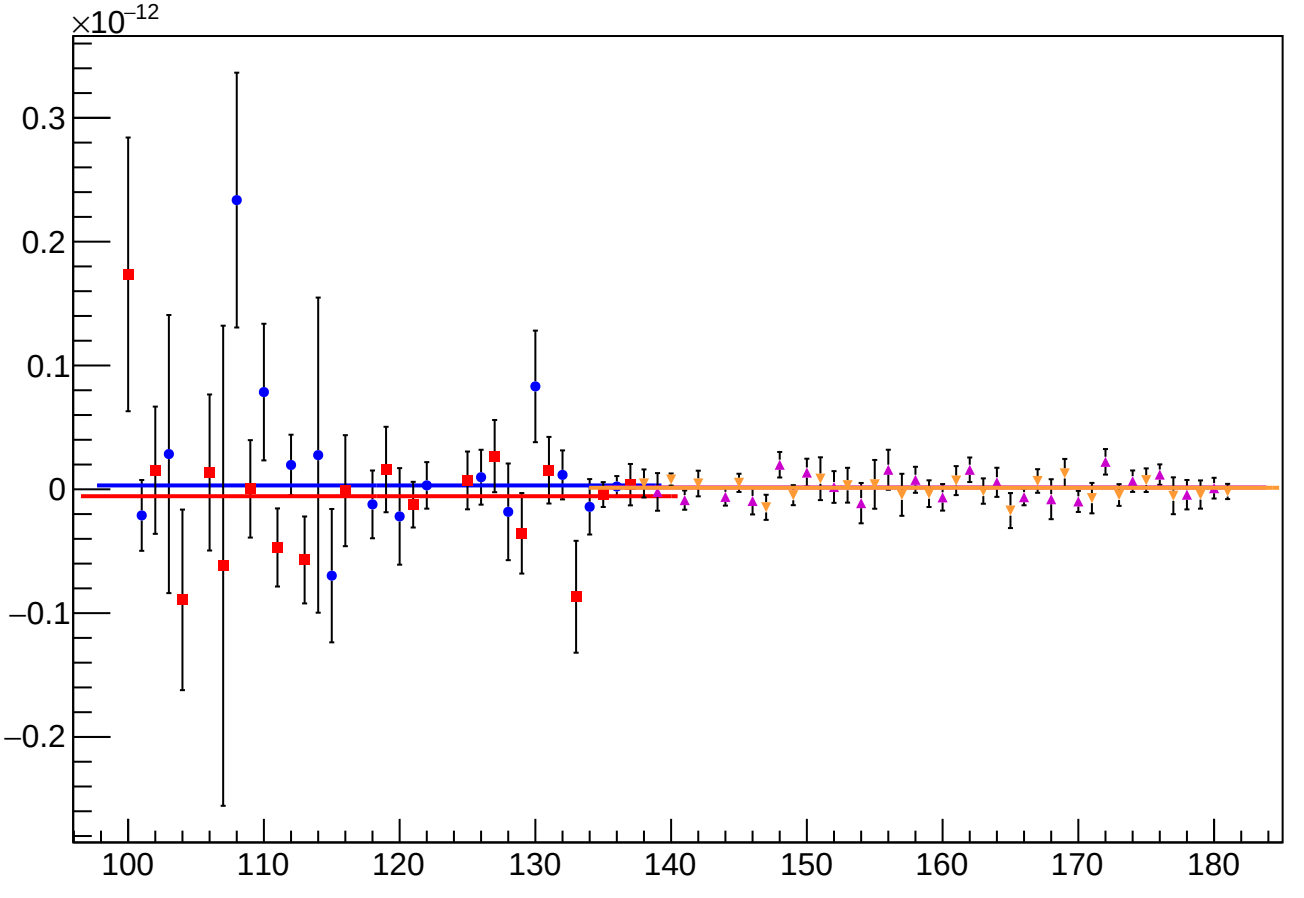
Right Out: 26.400+/-0.009 χ^2/NDF: 2614710.8/17

Left In: 20.844+/-0.004 χ^2/NDF:694017.7/20

+ sign 23.248+/-0.004 χ^2/NDF: 2601984.3/37

All: 22.517+/-0.003 χ^2/NDF: 6339596.9/76

- sign 21.825+/-0.004 χ^2/NDF: 3660484.7/38



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

Left Out: 0.000+/-0.000 χ^2/NDF:11.1/21

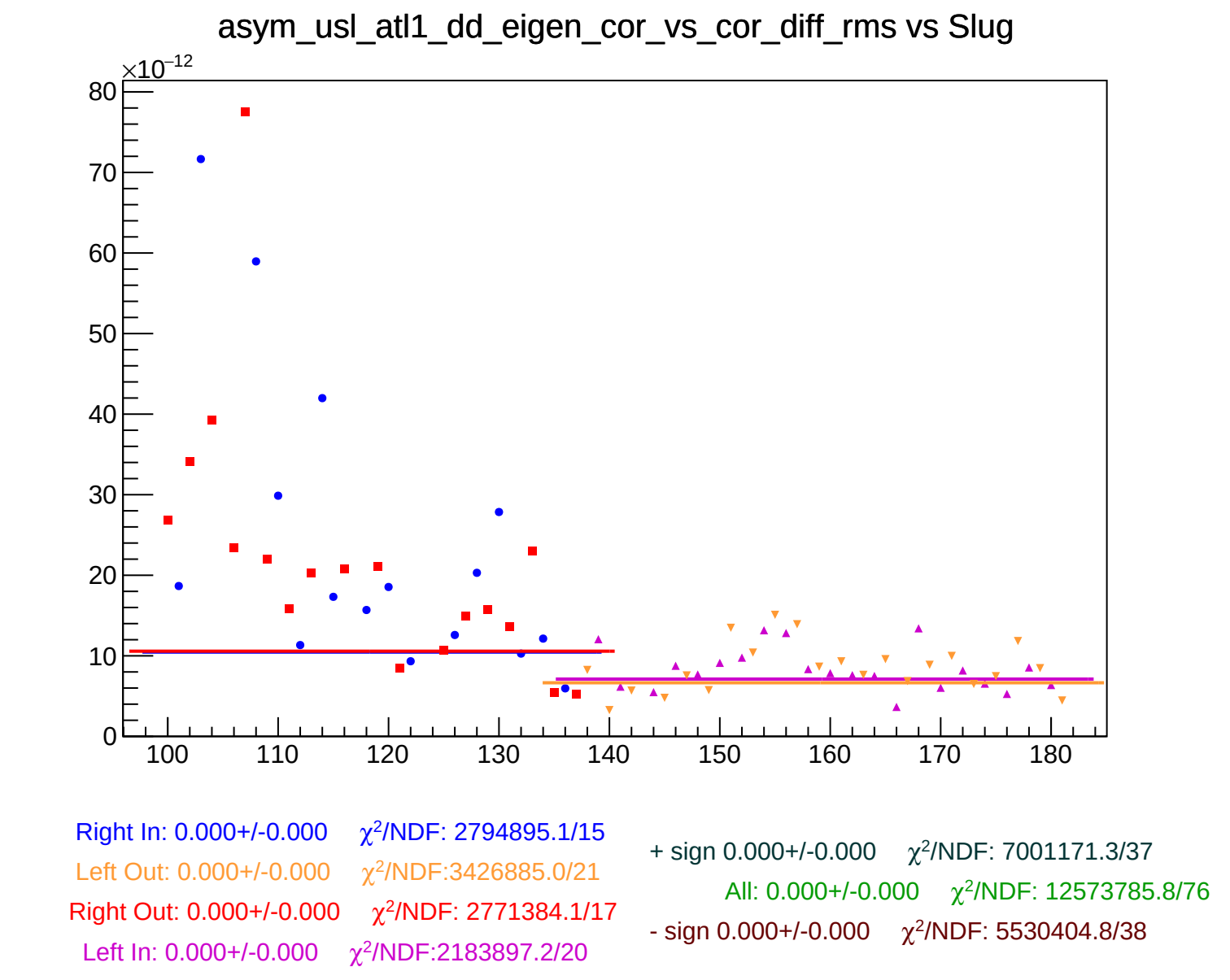
Right Out: -0.000+/-0.000 χ^2/NDF: 15.3/17

Left In: 0.000+/-0.000 χ^2/NDF:22.5/20

+ sign 0.000+/-0.000 χ^2/NDF: 26.2/37

All: 0.000+/-0.000 χ^2/NDF: 65.2/76

- sign 0.000+/-0.000 χ^2/NDF: 38.9/38


asym_usl_atl1_dd_eigen_cor_vs_cor_diff_rms vs Slug
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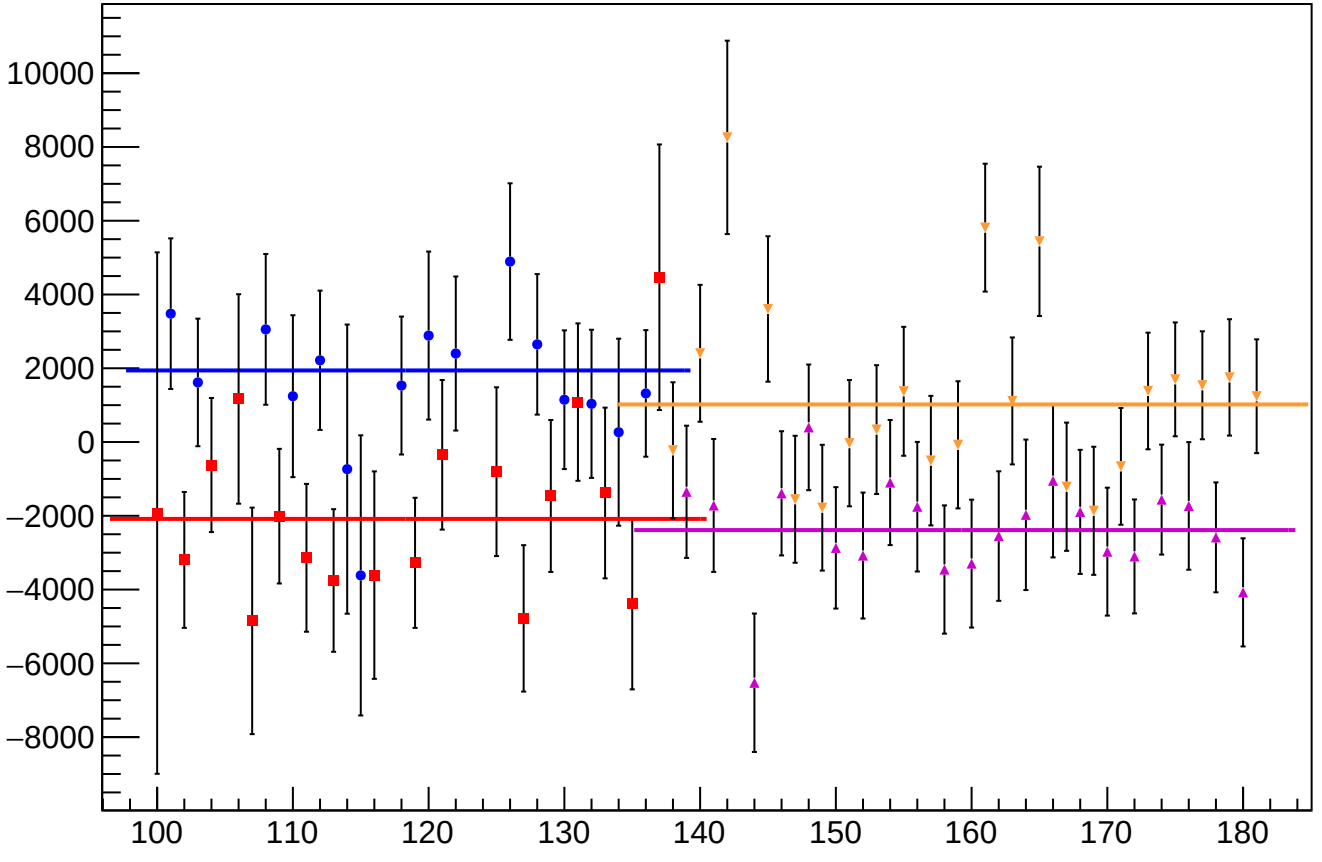
Right In: 0.000+/-0.000 χ²/NDF: 2794895.1/15
Left Out: 0.000+/-0.000 χ²/NDF:3426885.0/21
Right Out: 0.000+/-0.000 χ²/NDF: 2771384.1/17
Left In: 0.000+/-0.000 χ²/NDF:2183897.2/20
+ sign 0.000+/-0.000 χ²/NDF: 7001171.3/37
All: 0.000+/-0.000 χ²/NDF: 12573785.8/76
- sign 0.000+/-0.000 χ²/NDF: 5530404.8/38

reg_asym_usl_atl2_avg_mean vs Slug



Right In: 1940.976+/-522.174 χ^2/NDF: 6.9/15

Left Out: 1019.295+/-367.365 χ^2/NDF:35.6/21

Right Out: -2083.952+/-519.583 χ^2/NDF: 14.5/17

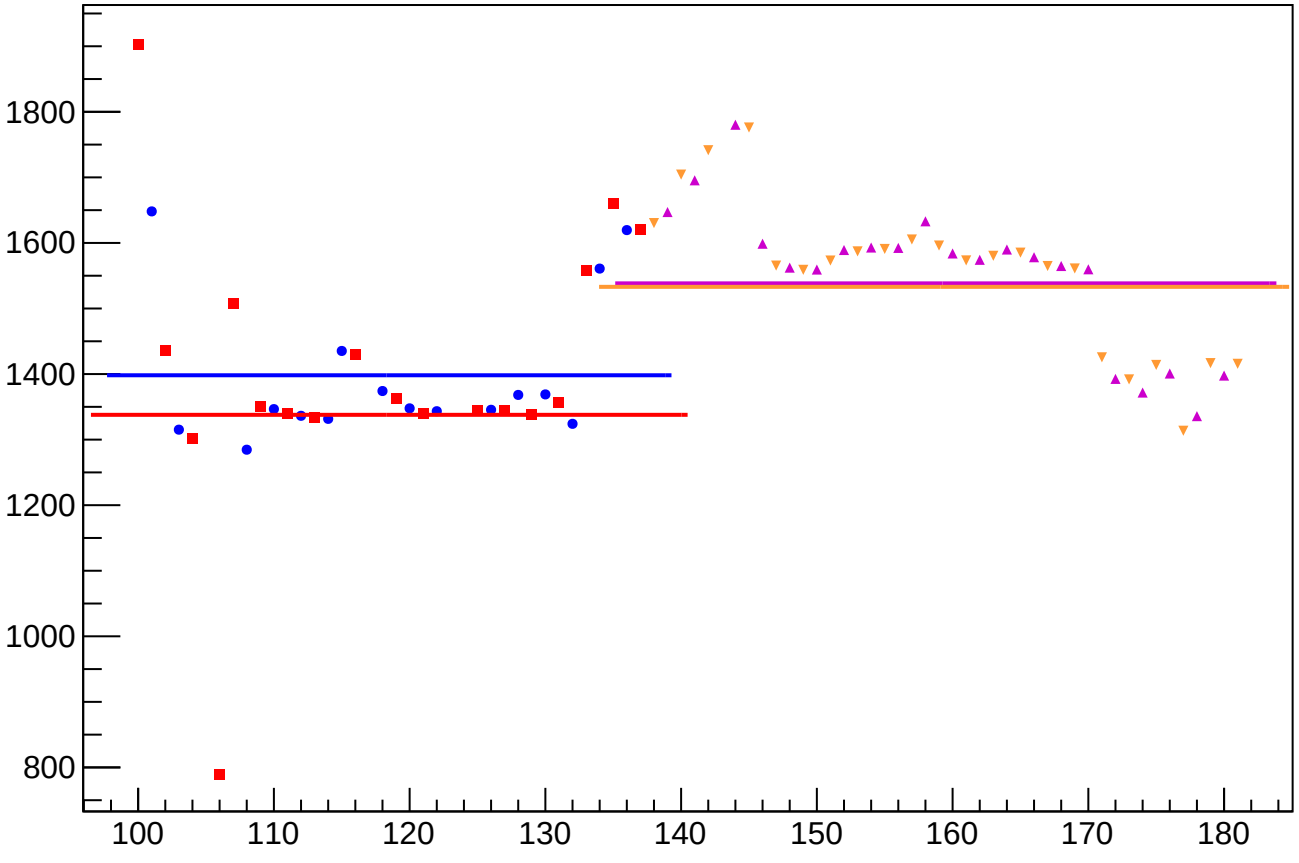
Left In: -2387.229+/-371.407 χ^2/NDF:12.6/20

+ sign 1324.448+/-300.458 χ^2/NDF: 44.6/37

All: -469.976+/-213.052 χ^2/NDF: 143.7/76

- sign -2284.669+/-302.150 χ^2/NDF: 27.3/38

reg_asym_usl_atl2_avg_rms vs Slug



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1533.040+/-0.260 χ^2/NDF:187660.0/21

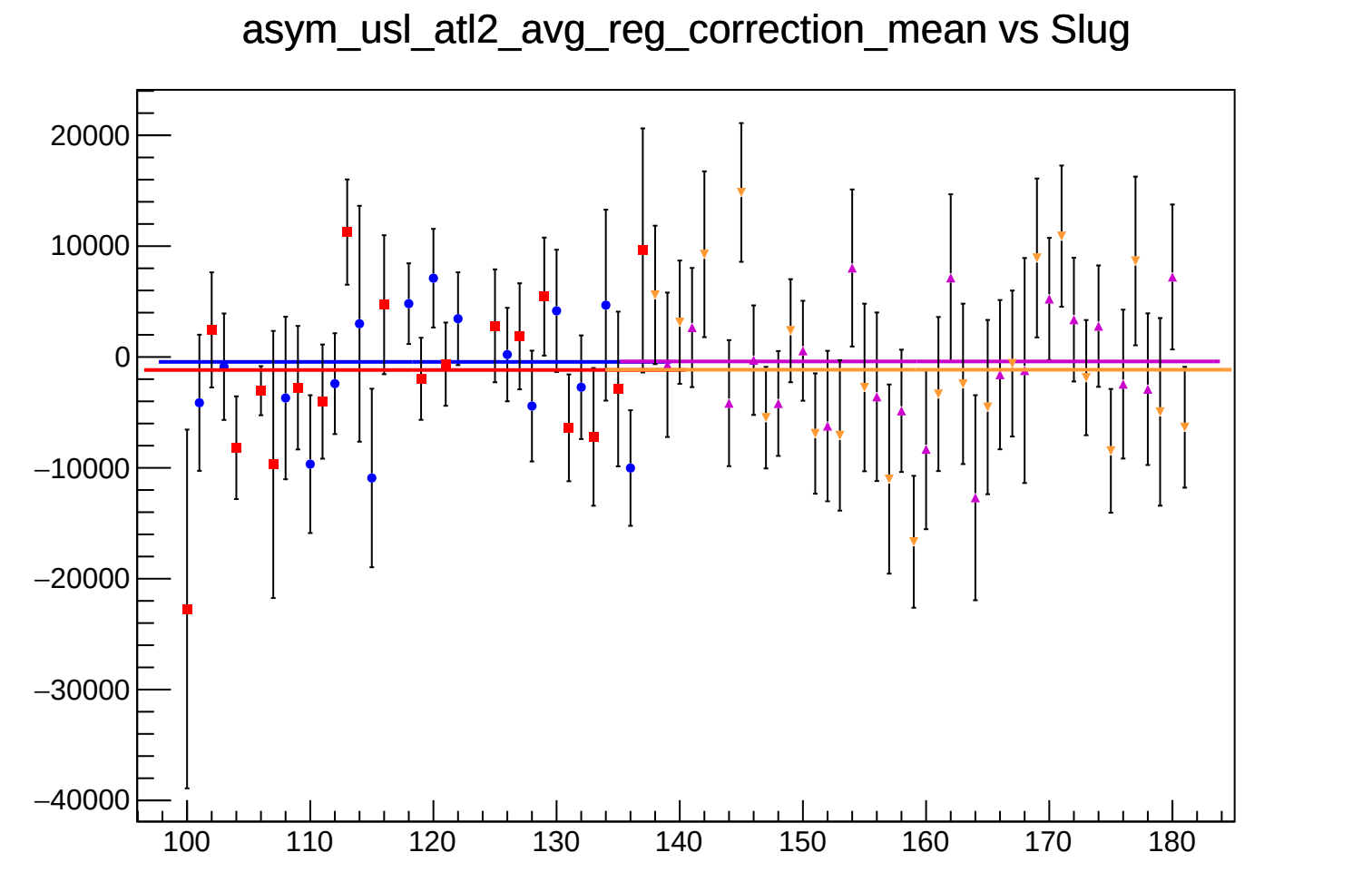
Right Out: 1337.819+/-0.356 χ^2/NDF: 317763.3/17

Left In: 1538.339+/-0.263 χ^2/NDF:186650.3/20

+ sign 1488.384+/-0.212 χ^2/NDF: 370844.2/37

All: 1477.960+/-0.150 χ^2/NDF: 1085566.1/76

- sign 1467.647+/-0.211 χ^2/NDF: 709933.3/38



Right In: -441.138+/-1295.916 χ^2/NDF: 15.9/15

Left Out: -1148.160+/-1327.168 χ^2/NDF:32.2/21

Right Out: -1171.548+/-1119.890 χ^2/NDF: 19.7/17

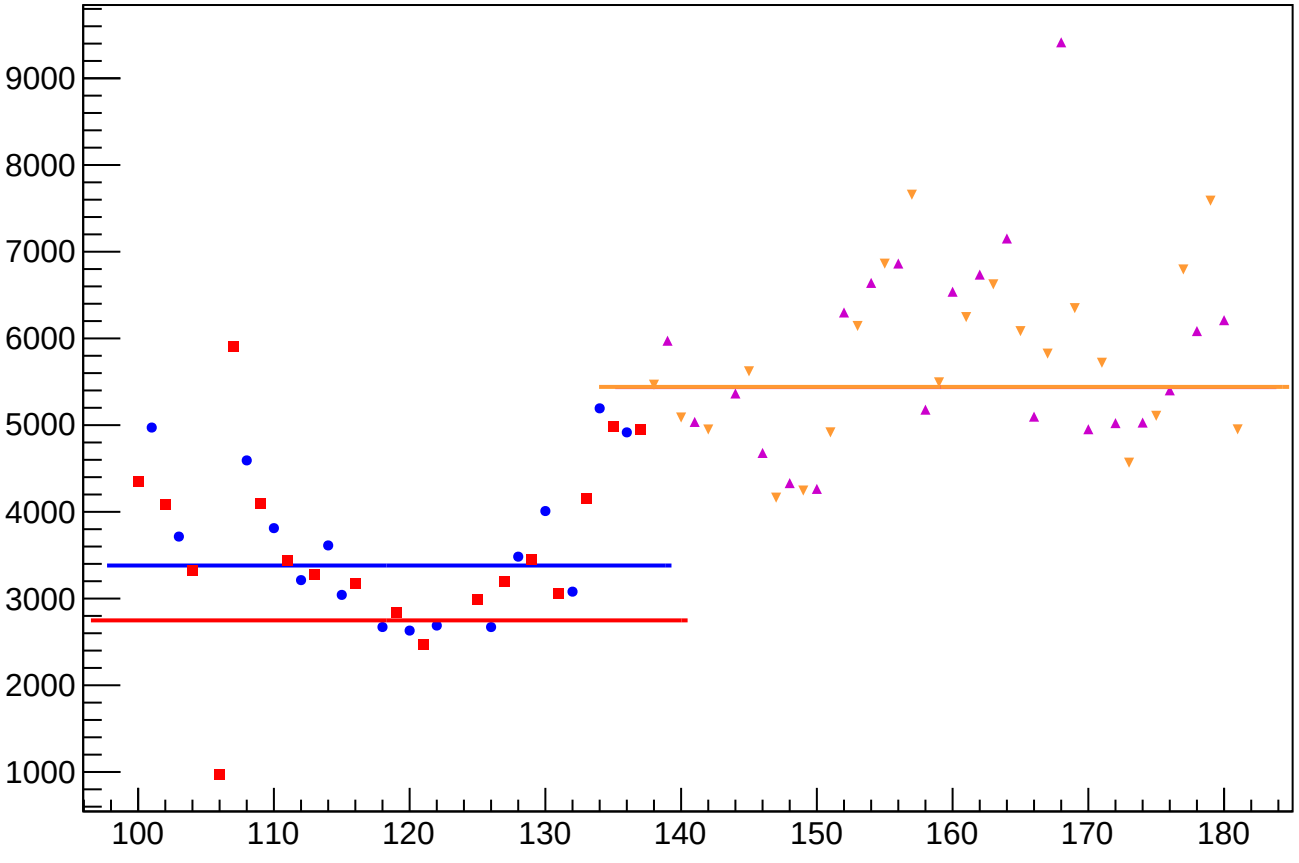
Left In: -401.336+/-1334.685 χ^2/NDF:11.9/20

+ sign -786.226+/-927.203 χ^2/NDF: 48.2/37

All: -822.379+/-629.703 χ^2/NDF: 79.9/76

- sign -853.330+/-857.899 χ^2/NDF: 31.7/38

asym_usl_atl2_avg_reg_correction_rms vs Slug



Right In: 3381.117+/-0.916 χ^2/NDF: 757146.6/15

Left Out: 5440.950+/-0.938 χ^2/NDF:960401.7/21

Right Out: 2748.372+/-0.792 χ^2/NDF: 2264563.8/17

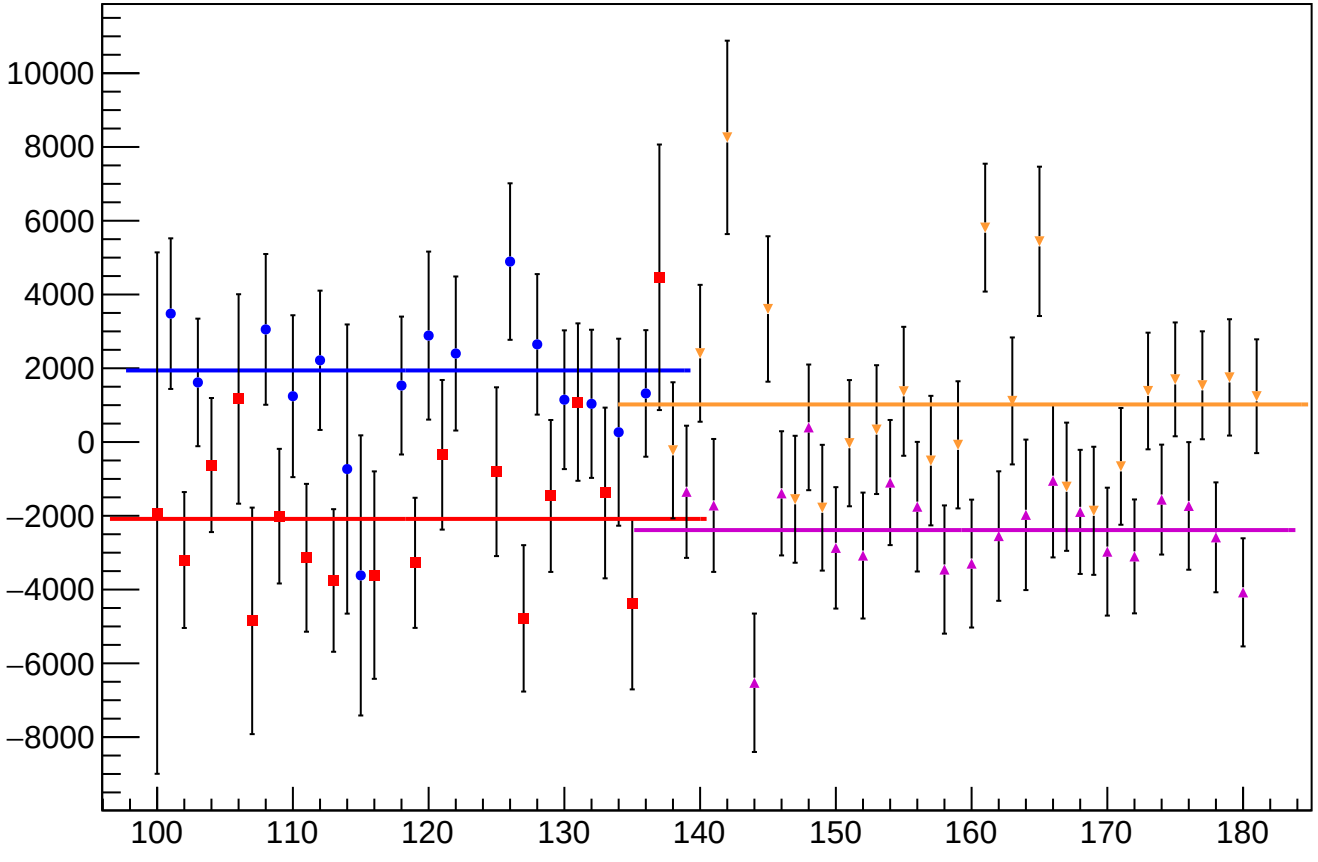
Left In: 5438.770+/-0.944 χ^2/NDF:1052052.1/20

+ sign 4386.496+/-0.656 χ^2/NDF: 4183802.3/37

All: 4102.800+/-0.445 χ^2/NDF: 12616949.5/7

- sign 3859.929+/-0.607 χ^2/NDF: 8085621.4/38

cor_asym_usl_atl2_avg_mean vs Slug



Right In: 1941.031+/-522.174 χ^2/NDF: 6.9/15

Left Out: 1019.326+/-367.365 χ^2/NDF:35.6/21

Right Out: -2084.166+/-519.587 χ^2/NDF: 14.5/17

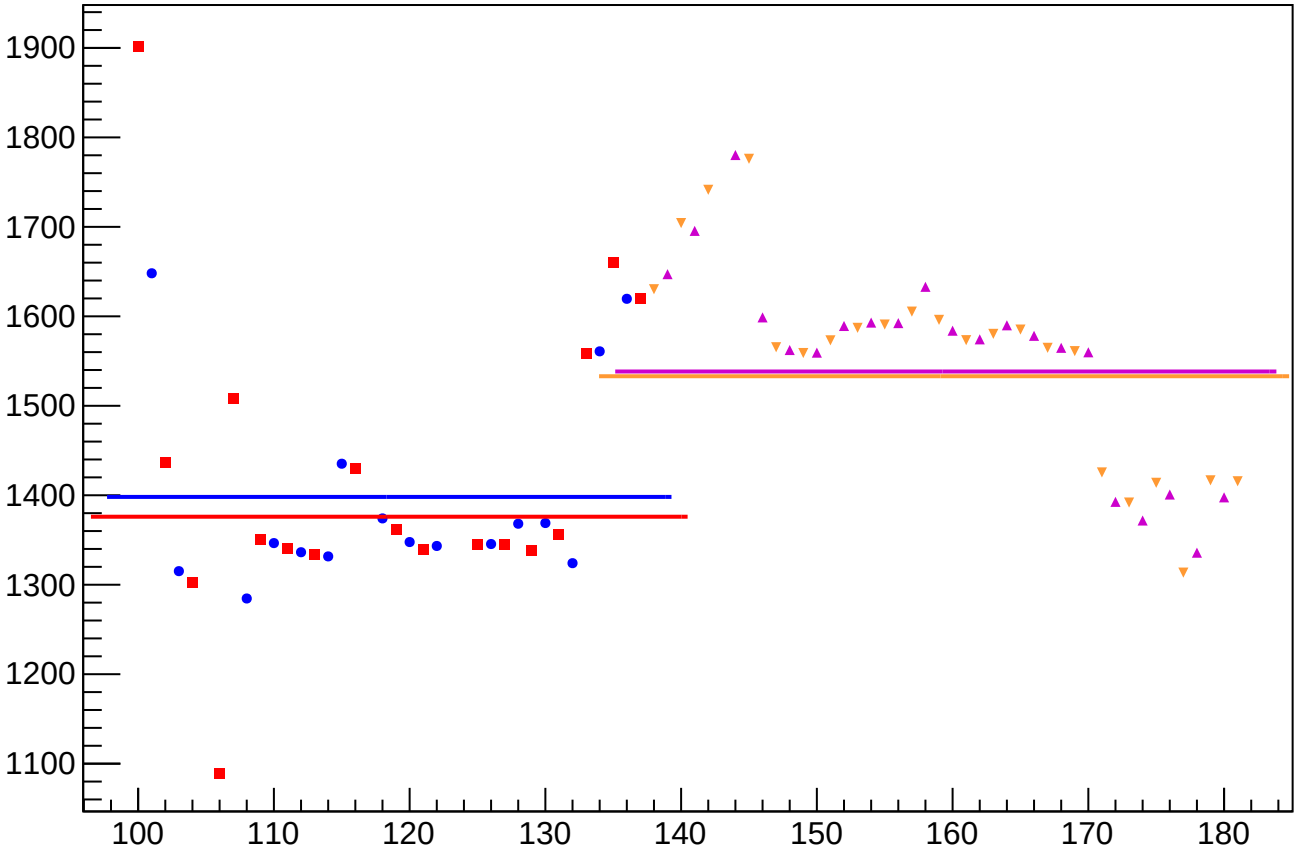
Left In: -2387.199+/-371.407 χ^2/NDF:12.6/20

+ sign 1324.487+/-300.458 χ^2/NDF: 44.6/37

All: -469.979+/-213.052 χ^2/NDF: 143.7/76

- sign -2284.723+/-302.151 χ^2/NDF: 27.3/38

cor_asym_usl_atl2_avg_rms vs Slug



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1533.040+/-0.260 χ^2/NDF:187660.0/21

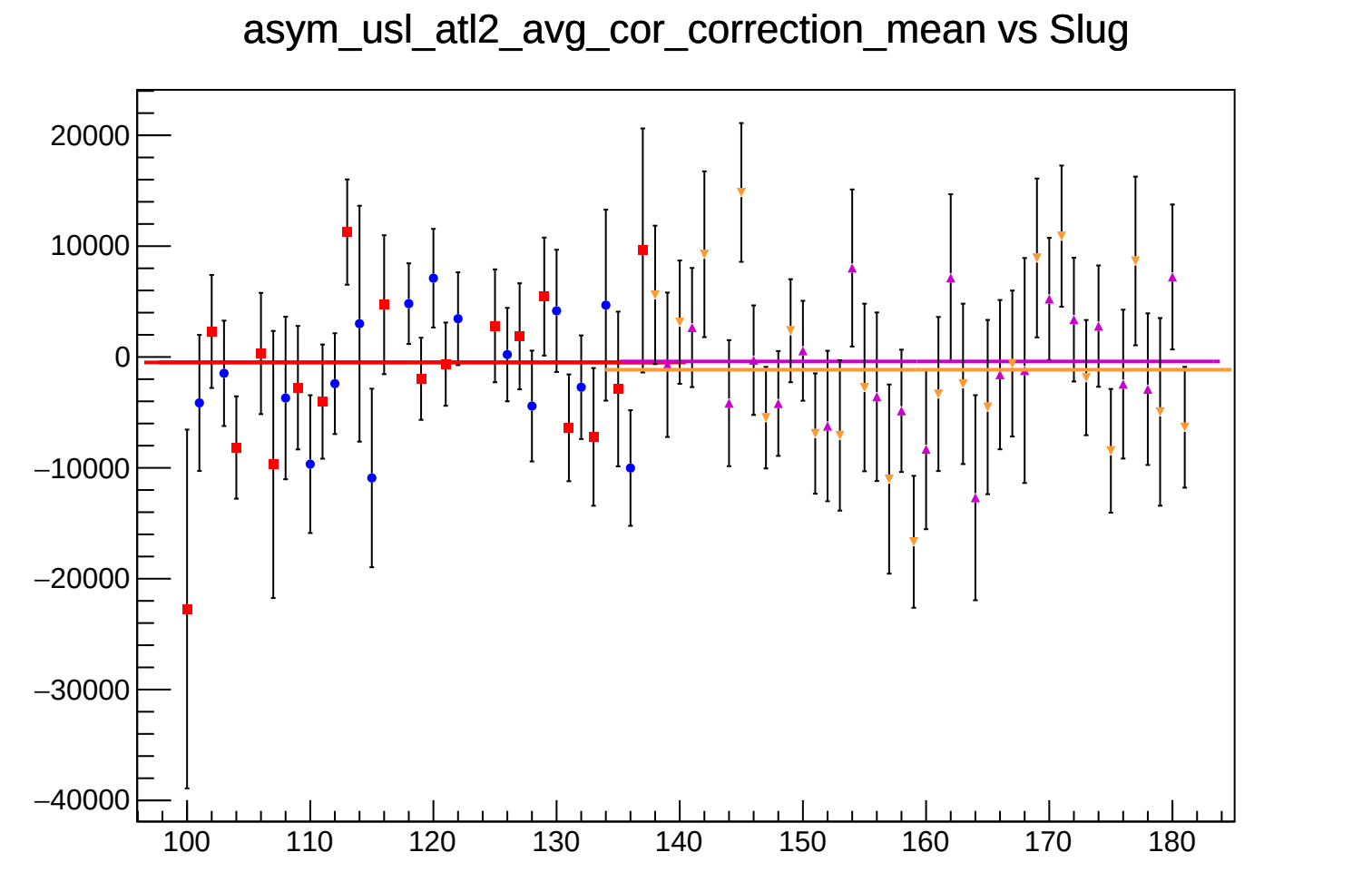
Right Out: 1376.021+/-0.363 χ^2/NDF: 114033.6/17

Left In: 1538.339+/-0.263 χ^2/NDF:186650.3/20

+ sign 1488.384+/-0.212 χ^2/NDF: 370844.3/37

All: 1485.431+/-0.150 χ^2/NDF: 803392.1/76

- sign 1482.472+/-0.213 χ^2/NDF: 432161.0/38



Right In: -486.563+/-1294.930 χ^2/NDF: 15.9/15

Left Out: -1148.154+/-1327.169 χ^2/NDF:32.2/21

Right Out: -488.594+/-1261.315 χ^2/NDF: 18.7/17

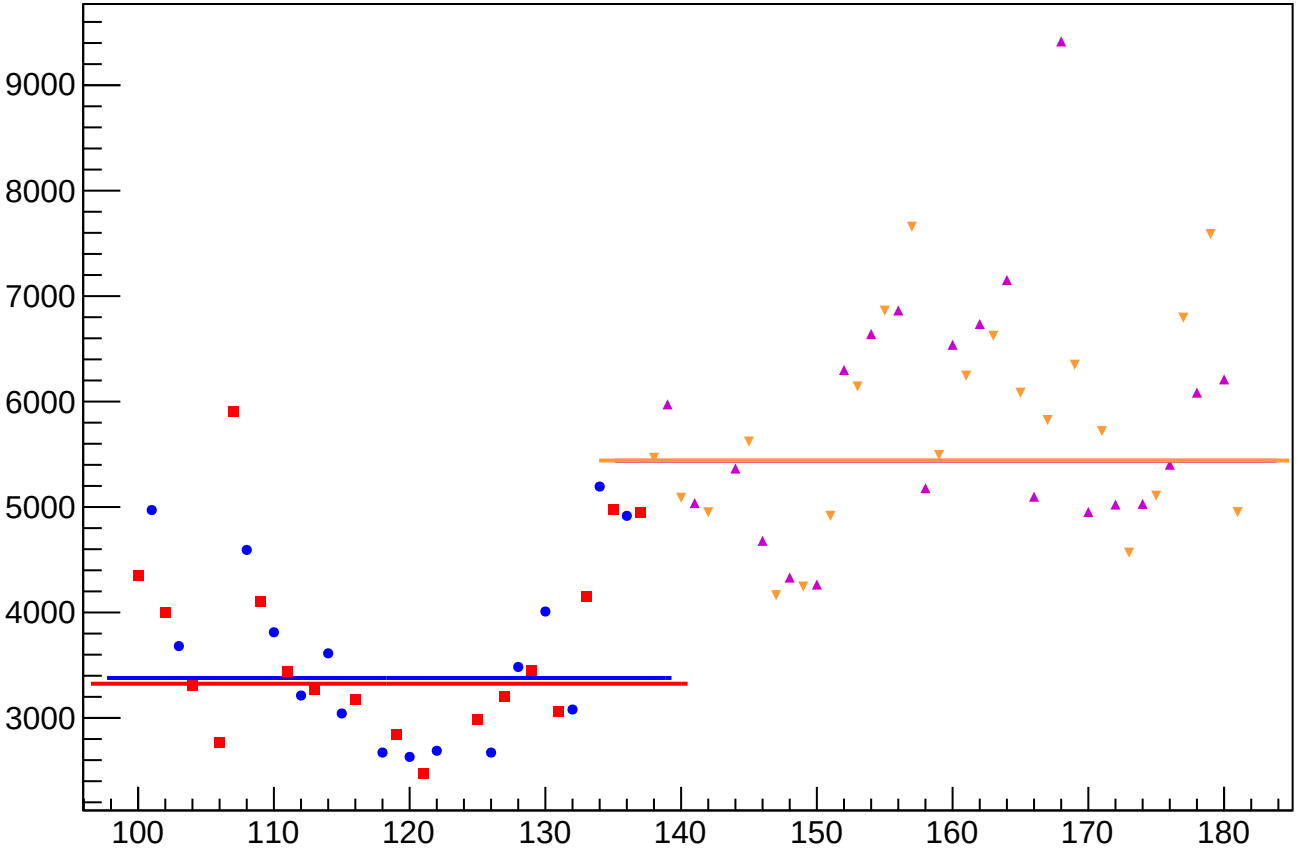
Left In: -401.412+/-1334.683 χ^2/NDF:11.9/20

+ sign -809.225+/-926.842 χ^2/NDF: 48.2/37

All: -626.360+/-651.770 χ^2/NDF: 78.9/76

- sign -447.465+/-916.725 χ^2/NDF: 30.6/38

asym_usl_atl2_avg_cor_correction_rms vs Slug



Right In: 3379.110+/-0.916 χ^2/NDF: 755339.9/15

Left Out: 5440.954+/-0.938 χ^2/NDF:960397.8/21

Right Out: 3324.449+/-0.892 χ^2/NDF: 543813.3/17

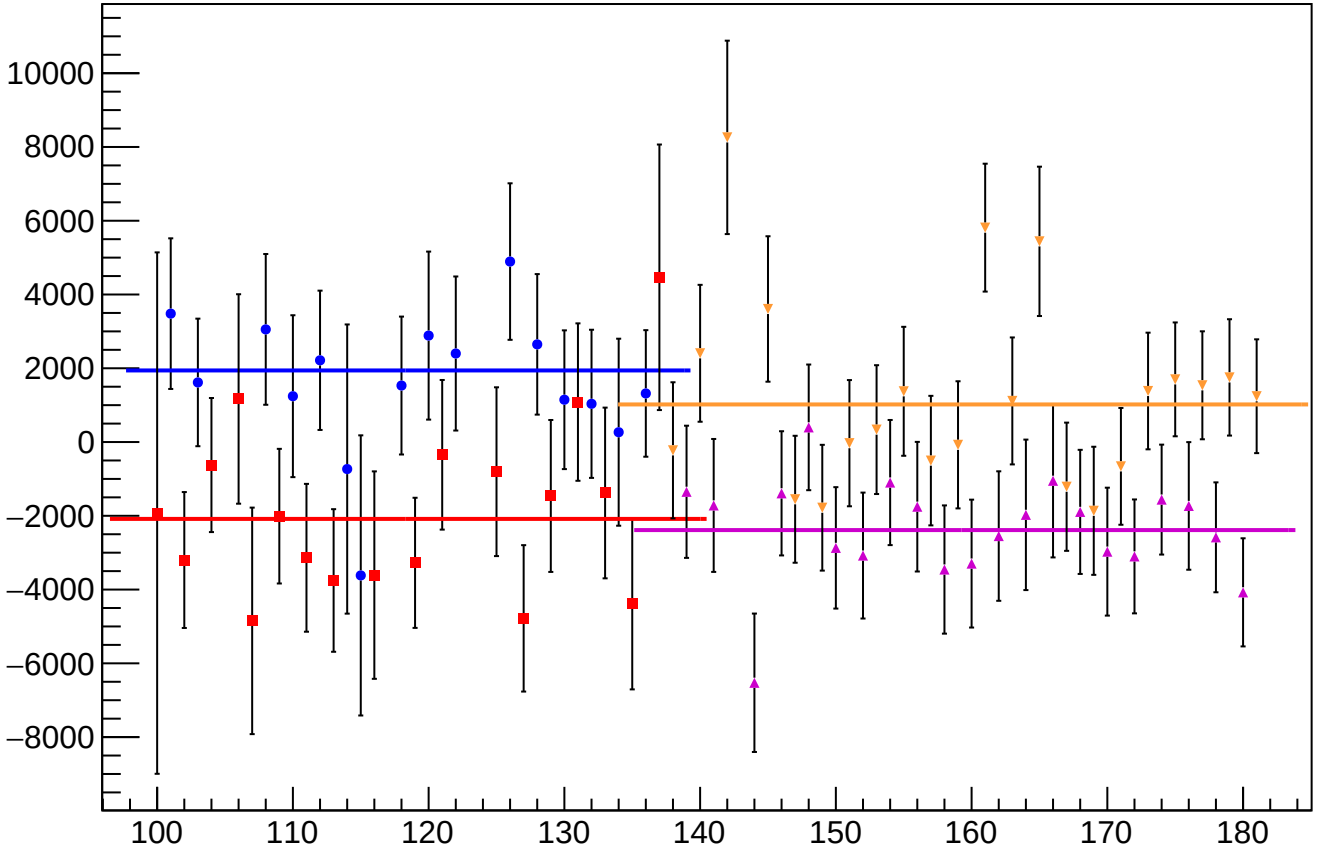
Left In: 5438.765+/-0.944 χ^2/NDF:1052060.2/20

+ sign 4384.686+/-0.655 χ^2/NDF: 4188643.9/37

All: 4352.948+/-0.461 χ^2/NDF: 8440365.6/76

- sign 4321.900+/-0.648 χ^2/NDF: 4247082.5/38

eigen_cor_asym_usl_atl2_avg_mean vs Slug



Right In: 1941.031+/-522.174 χ^2/NDF: 6.9/15

Left Out: 1019.326+/-367.365 χ^2/NDF:35.6/21

Right Out: -2084.166+/-519.587 χ^2/NDF: 14.5/17

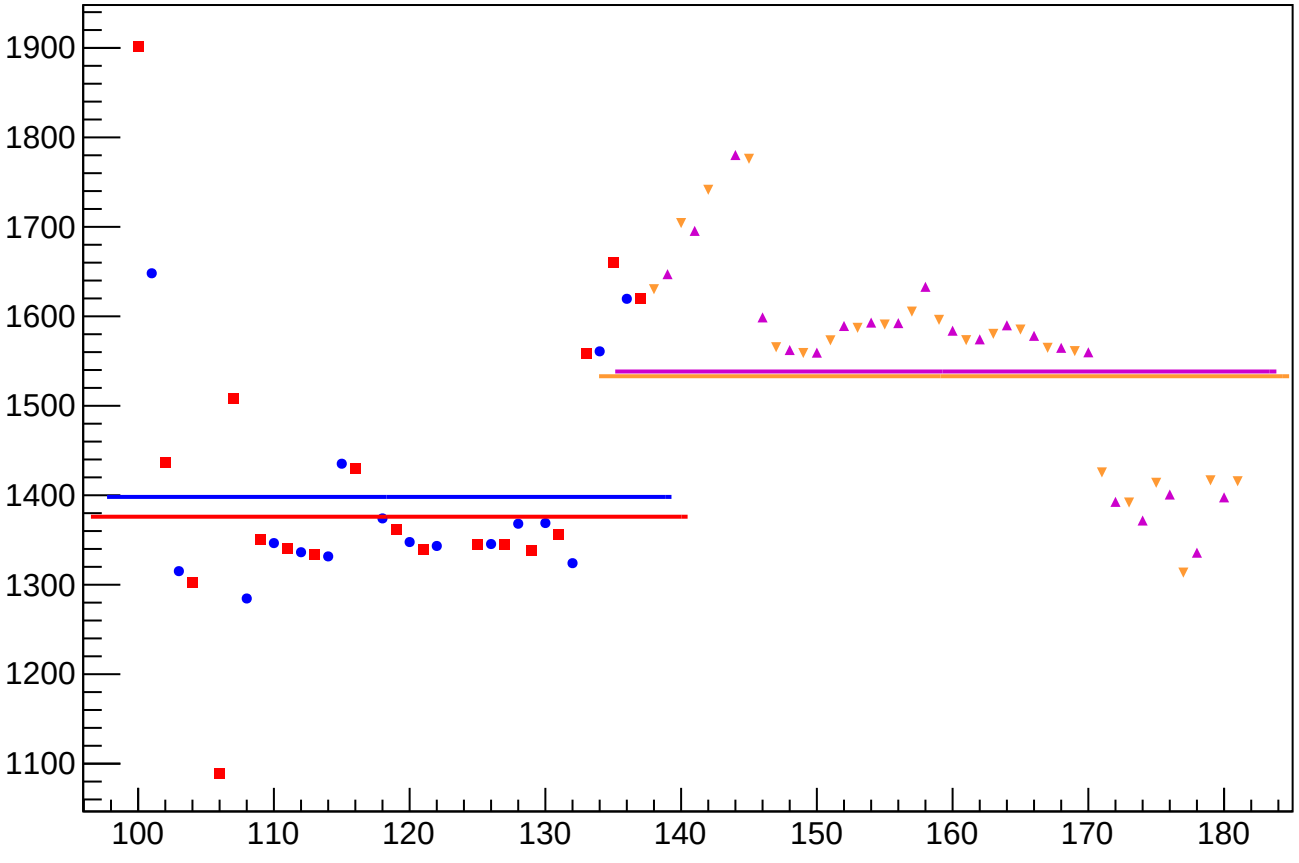
Left In: -2387.199+/-371.407 χ^2/NDF:12.6/20

+ sign 1324.487+/-300.458 χ^2/NDF: 44.6/37

All: -469.979+/-213.052 χ^2/NDF: 143.7/76

- sign -2284.723+/-302.151 χ^2/NDF: 27.3/38

eigen_cor_asym_usl_atl2_avg_rms vs Slug



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1533.040+/-0.260 χ^2/NDF:187660.0/21

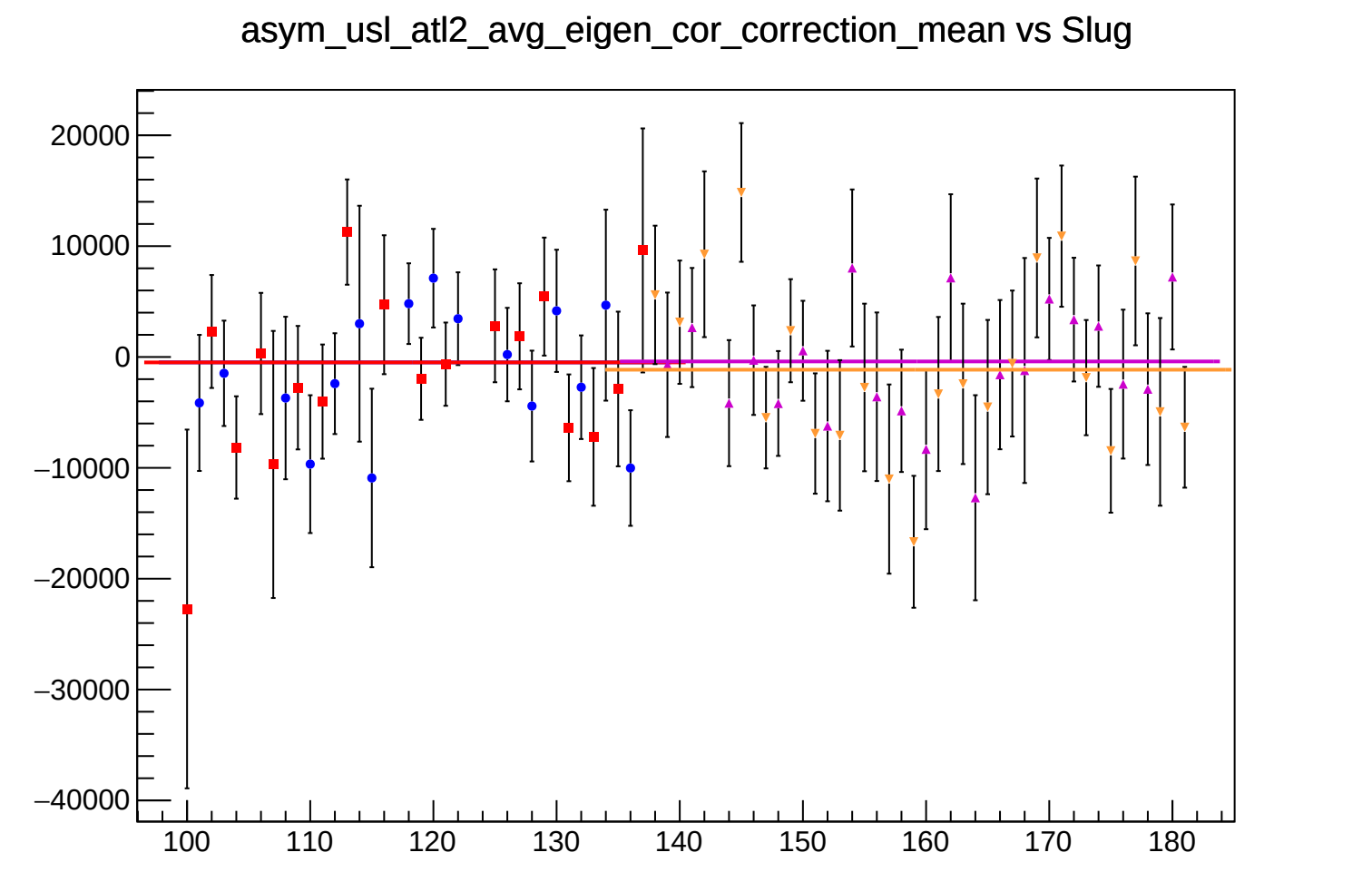
Right Out: 1376.021+/-0.363 χ^2/NDF: 114033.6/17

Left In: 1538.339+/-0.263 χ^2/NDF:186650.3/20

+ sign 1488.384+/-0.212 χ^2/NDF: 370844.3/37

All: 1485.431+/-0.150 χ^2/NDF: 803392.1/76

- sign 1482.472+/-0.213 χ^2/NDF: 432161.0/38



Right In: -486.563+/-1294.930 χ^2/NDF: 15.9/15

Left Out: -1148.154+/-1327.169 χ^2/NDF:32.2/21

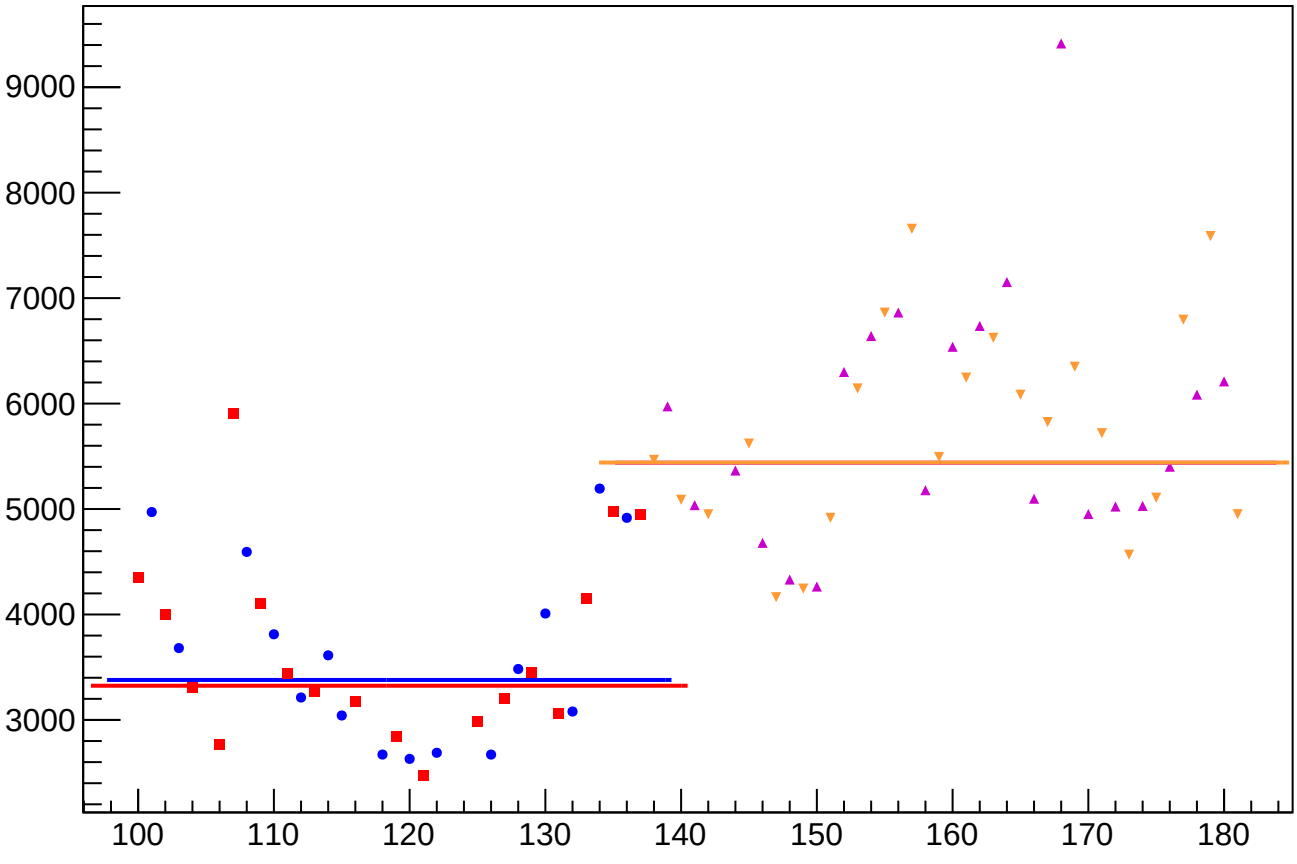
Right Out: -488.594+/-1261.315 χ^2/NDF: 18.7/17

Left In: -401.412+/-1334.683 χ^2/NDF:11.9/20

+ sign -809.225+/-926.842 χ^2/NDF: 48.2/37

All: -626.360+/-651.770 χ^2/NDF: 78.9/76

- sign -447.465+/-916.725 χ^2/NDF: 30.6/38



Right In: 3379.110+/-0.916 χ^2/NDF: 755339.9/15

Left Out: 5440.954+/-0.938 χ^2/NDF:960397.8/21

Right Out: 3324.449+/-0.892 χ^2/NDF: 543813.3/17

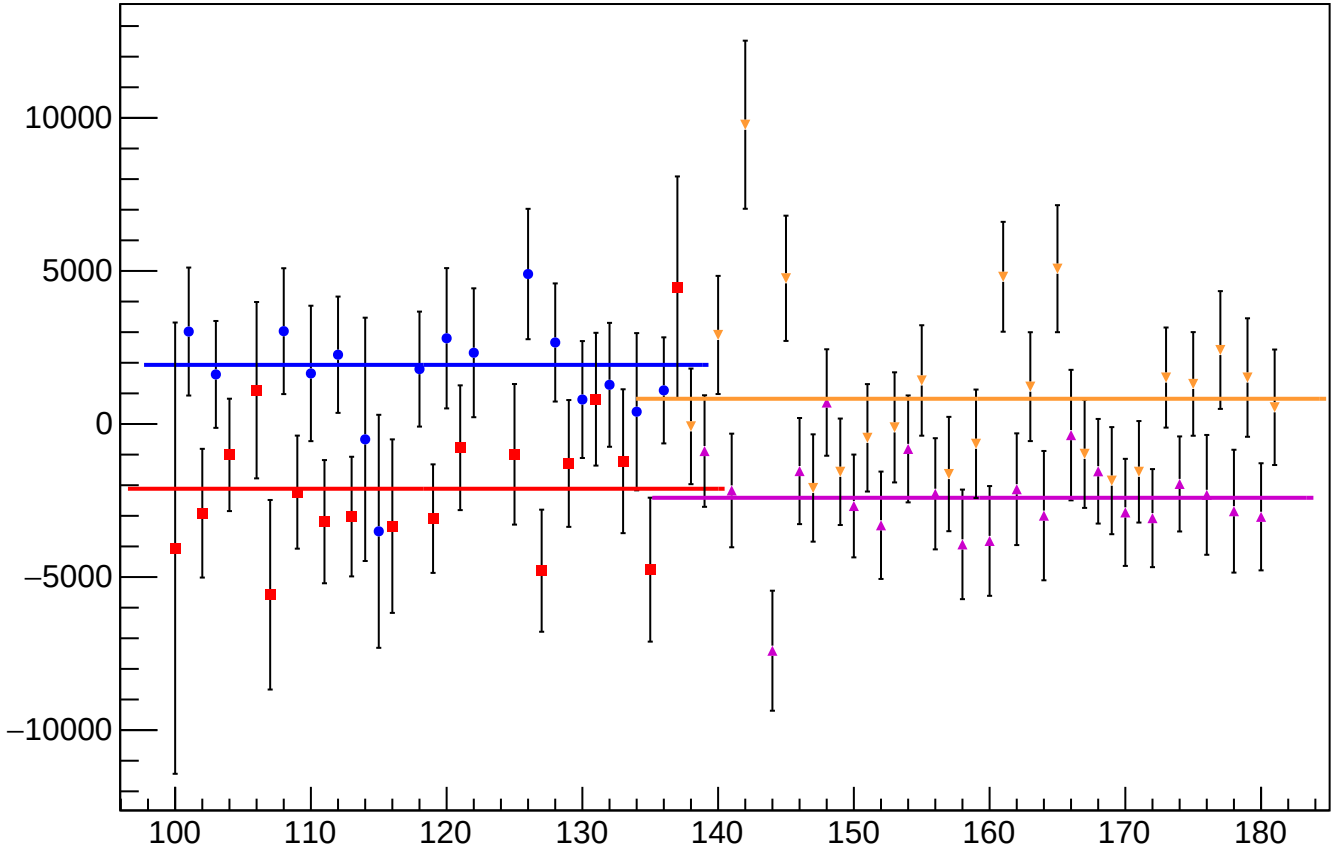
Left In: 5438.765+/-0.944 χ^2/NDF:1052060.2/20

+ sign 4384.686+/-0.655 χ^2/NDF: 4188643.9/37

All: 4352.948+/-0.461 χ^2/NDF: 8440365.6/76

- sign 4321.900+/-0.648 χ^2/NDF: 4247082.5/38

dit_asym_usl_atl2_avg_mean vs Slug



Right In: 1931.537+/-527.135 χ^2/NDF: 6.4/15

Left Out: 824.244+/-391.208 χ^2/NDF:39.4/21

Right Out: -2115.195+/-528.802 χ^2/NDF: 13.2/17

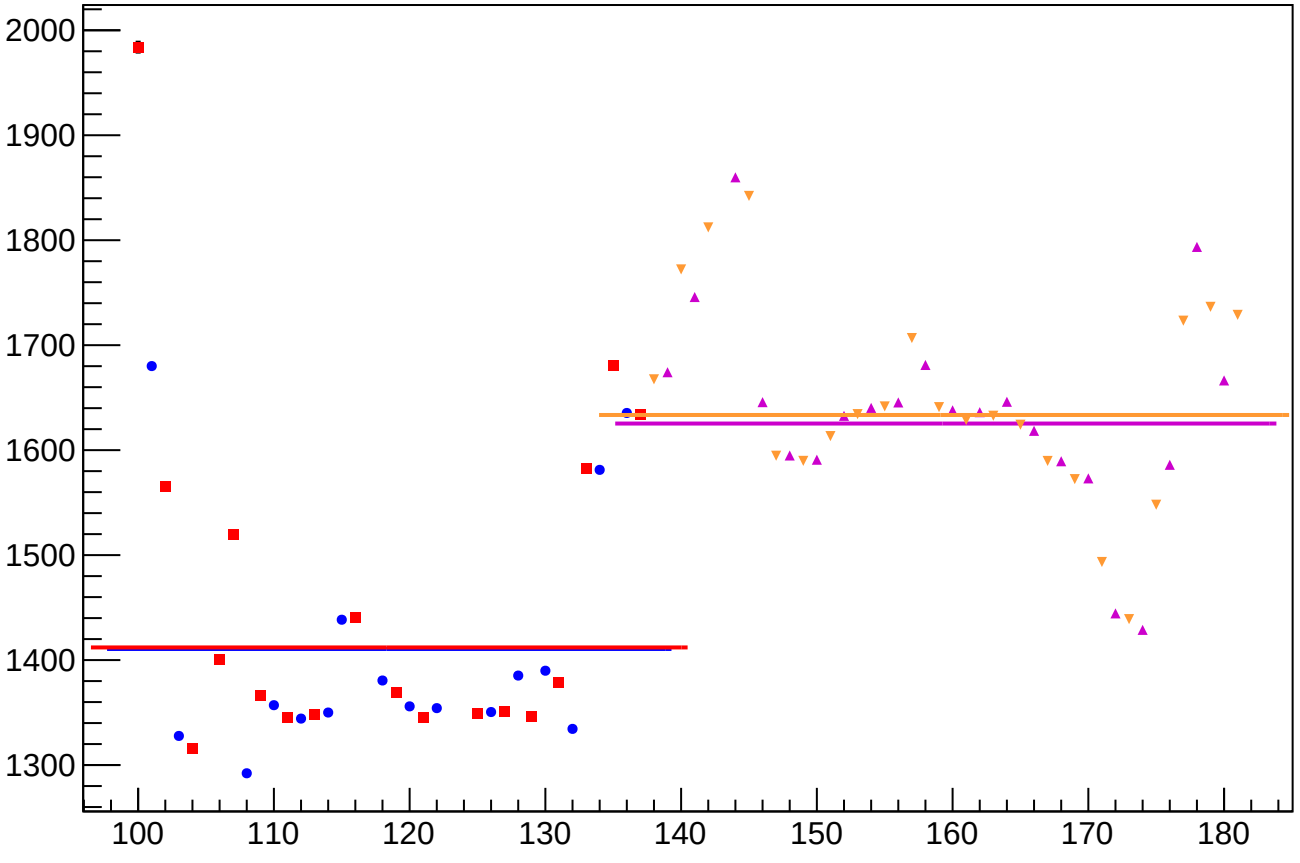
Left In: -2410.712+/-392.118 χ^2/NDF:14.9/20

+ sign 1217.509+/-314.147 χ^2/NDF: 48.6/37

All: -539.563+/-222.427 χ^2/NDF: 139.7/76

- sign -2305.869+/-314.972 χ^2/NDF: 28.3/38

dit_asym_usl_atl2_avg_rms vs Slug



Right In: 1410.595+/-0.373 χ^2/NDF: 99150.0/15

Left Out: 1633.506+/-0.277 χ^2/NDF:112448.3/21

Right Out: 1412.048+/-0.373 χ^2/NDF: 89704.5/17

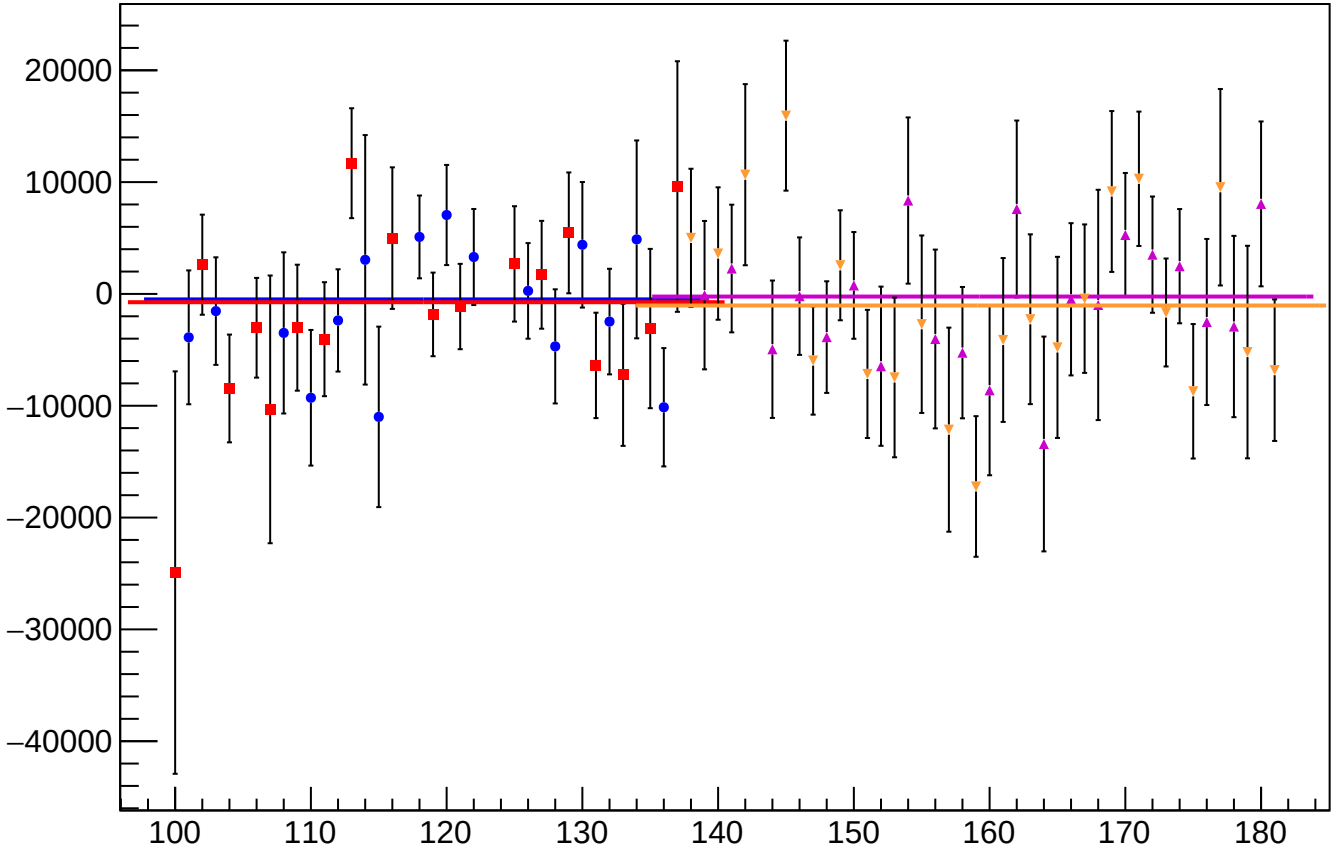
Left In: 1625.343+/-0.277 χ^2/NDF:119187.6/20

+ sign 1554.337+/-0.222 χ^2/NDF: 442219.1/37

All: 1551.877+/-0.157 χ^2/NDF: 862029.3/76

- sign 1549.409+/-0.223 χ^2/NDF: 419564.6/38

asym_usl_atl2_avg_dit_correction_mean vs Slug



Right In: -489.402+/-1308.692 χ^2/NDF: 15.8/15

Left Out: -1034.934+/-1386.949 χ^2/NDF:31.9/21

Right Out: -740.592+/-1247.947 χ^2/NDF: 19.2/17

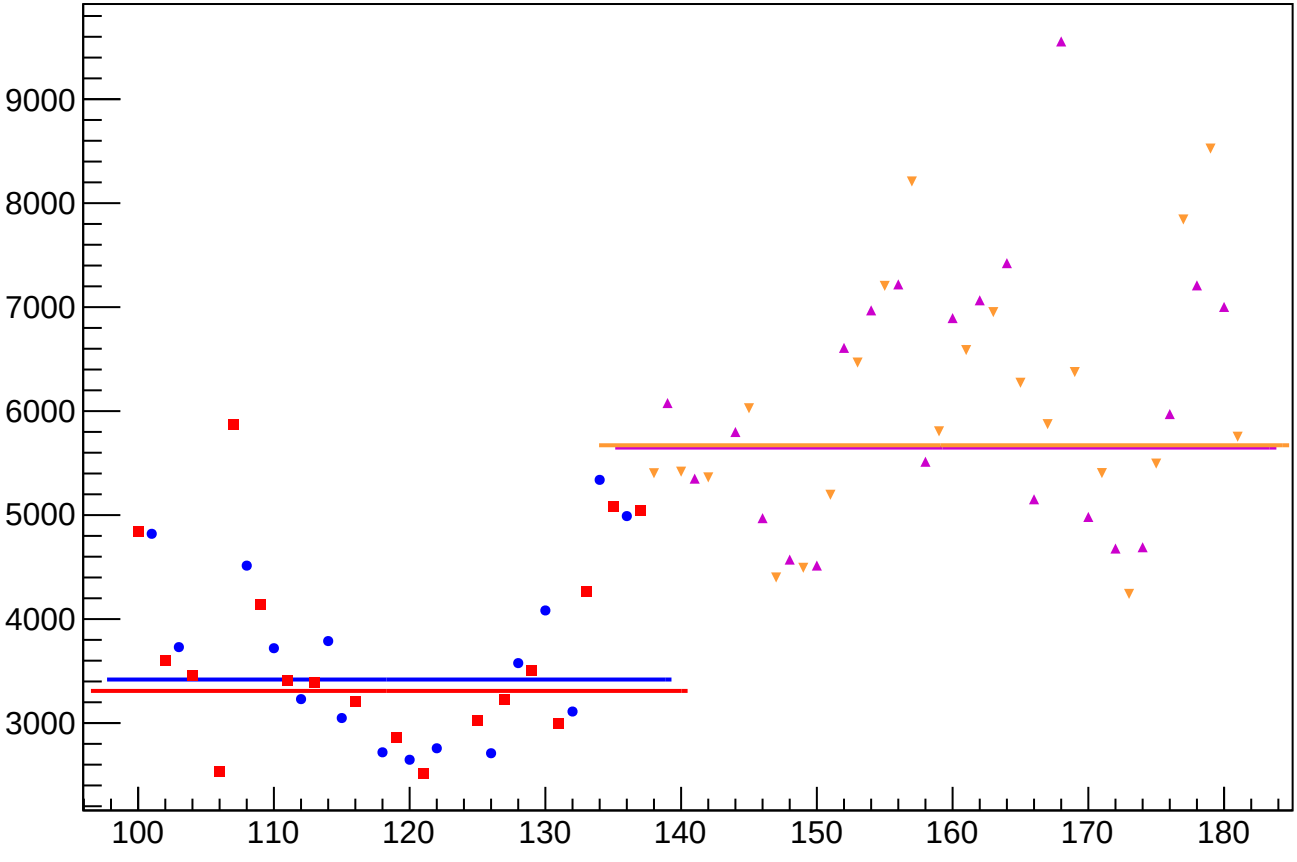
Left In: -235.214+/-1390.243 χ^2/NDF:11.8/20

+ sign -746.344+/-951.849 χ^2/NDF: 47.8/37

All: -627.864+/-664.715 χ^2/NDF: 78.8/76

- sign -515.082+/-928.678 χ^2/NDF: 31.0/38

asym_usl_atl2_avg_dit_correction_rms vs Slug



Right In: 3418.701+/-0.925 χ^2/NDF: 721215.3/15

Left Out: 5671.605+/-0.981 χ^2/NDF:1141347.8/21

Right Out: 3309.112+/-0.882 χ^2/NDF: 571940.6/17

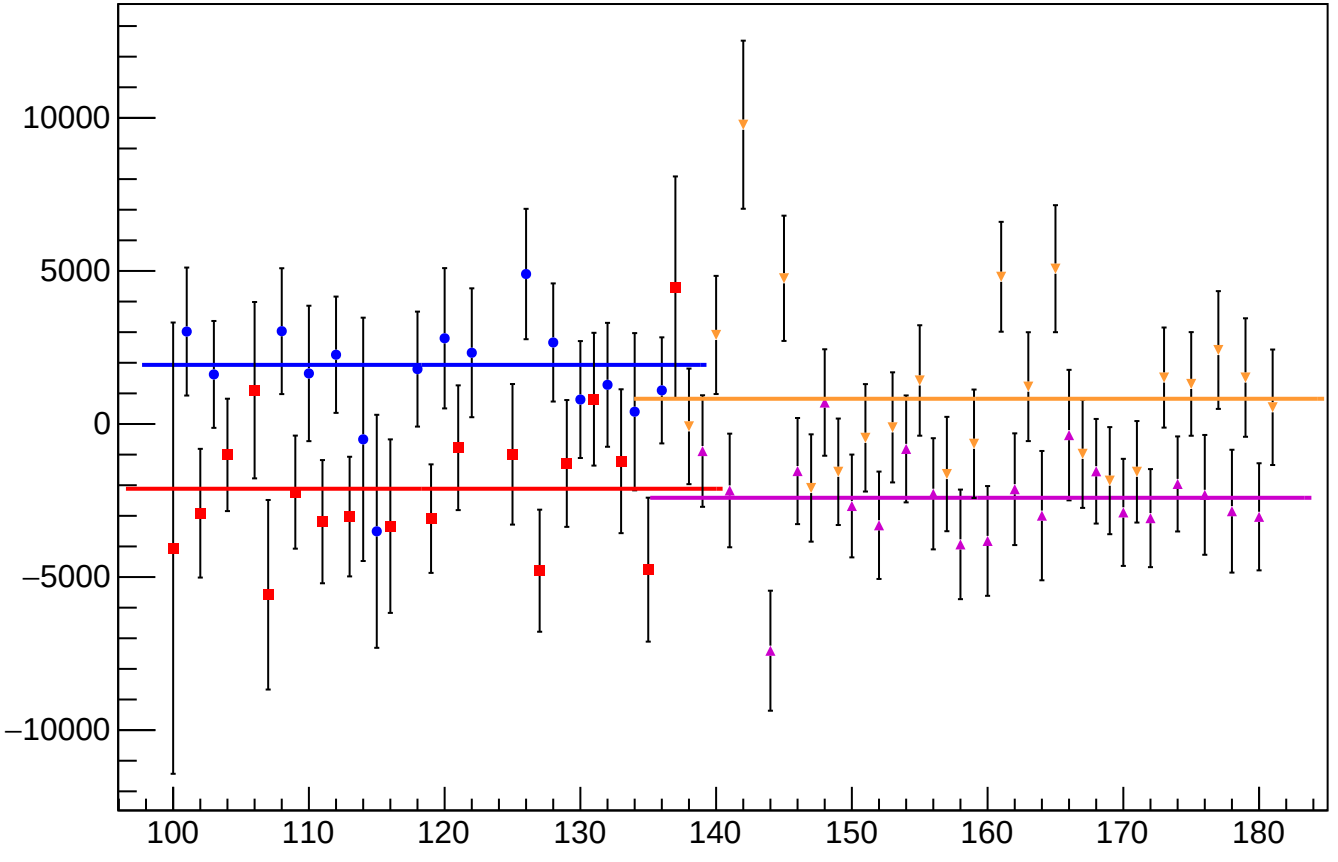
Left In: 5649.258+/-0.983 χ^2/NDF:1230711.7/20

+ sign 4479.804+/-0.673 χ^2/NDF: 4654179.0/37

All: 4415.009+/-0.470 χ^2/NDF: 9613057.0/76

- sign 4353.331+/-0.657 χ^2/NDF: 4940788.5/38

eigen_dit_asym_usl_atl2_avg_mean vs Slug



Right In: 1931.538+/-527.135 χ^2/NDF: 6.4/15

Left Out: 824.238+/-391.208 χ^2/NDF:39.4/21

Right Out: -2115.195+/-528.802 χ^2/NDF: 13.2/17

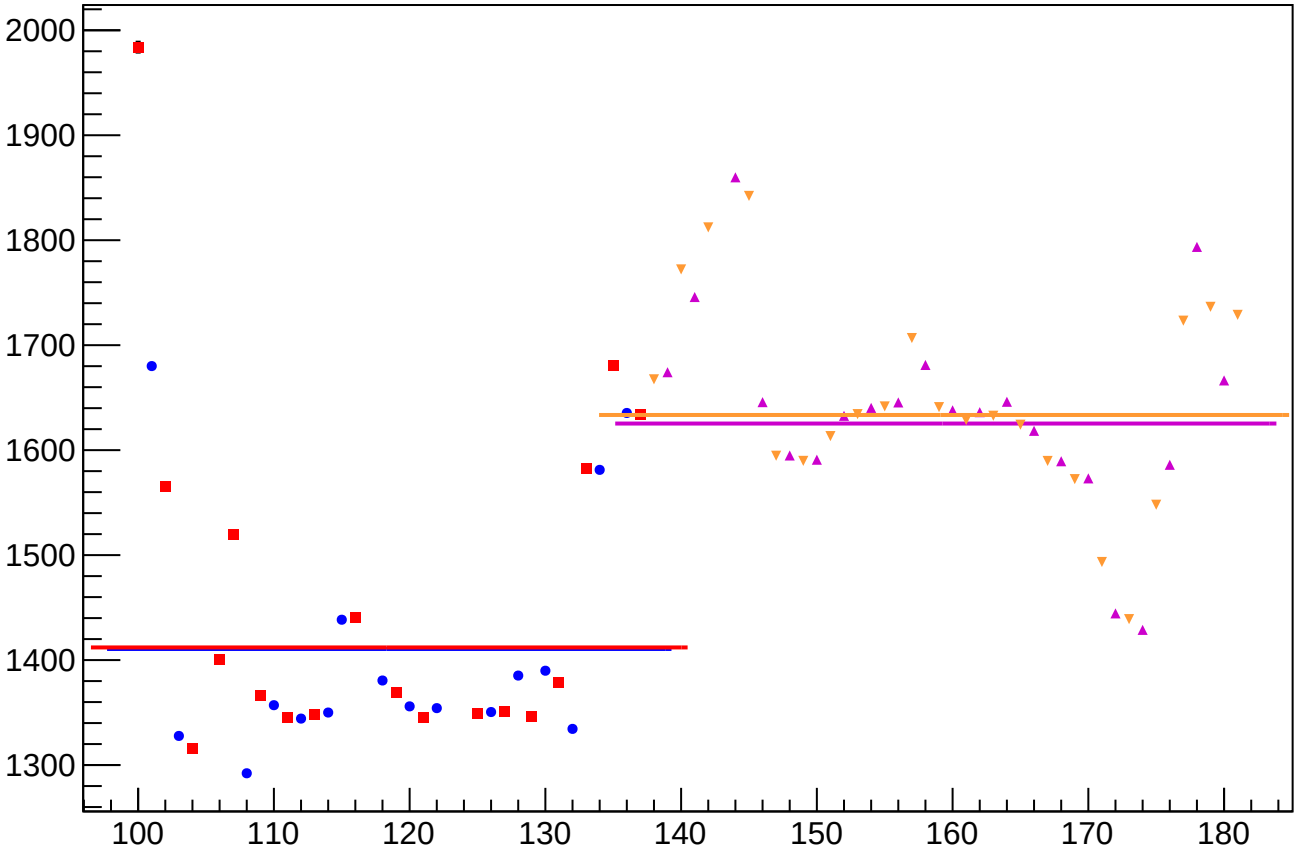
Left In: -2410.713+/-392.119 χ^2/NDF:14.9/20

+ sign 1217.506+/-314.148 χ^2/NDF: 48.6/37

All: -539.565+/-222.427 χ^2/NDF: 139.7/76

- sign -2305.869+/-314.972 χ^2/NDF: 28.3/38

eigen_dit_asym_usl_atl2_avg_rms vs Slug



Right In: 1410.595+/-0.373 χ^2/NDF: 99150.0/15

Left Out: 1633.507+/-0.277 χ^2/NDF:112453.7/21

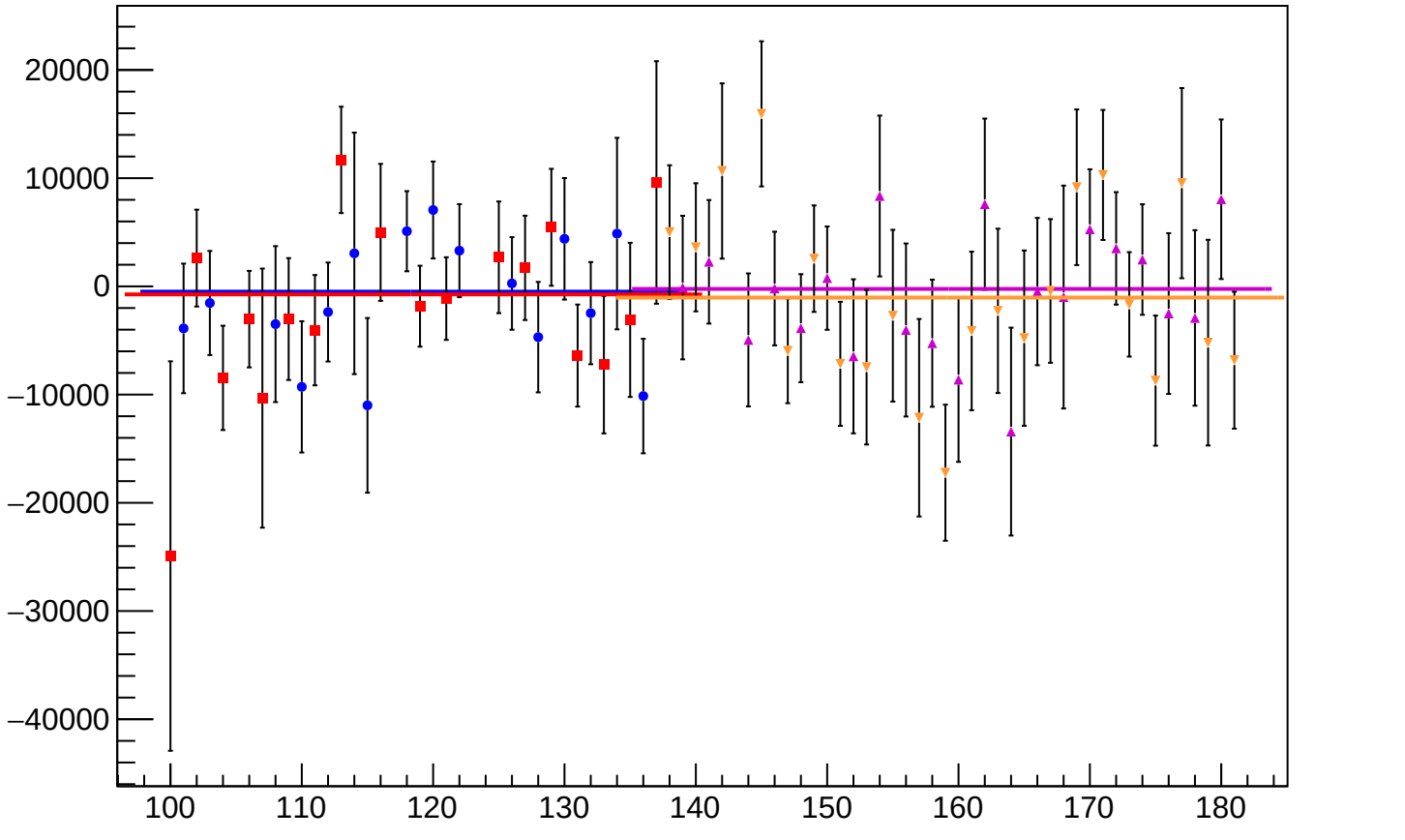
Right Out: 1412.048+/-0.373 χ^2/NDF: 89704.6/17

Left In: 1625.344+/-0.277 χ^2/NDF:119192.6/20

+ sign 1554.338+/-0.222 χ^2/NDF: 442226.6/37

All: 1551.878+/-0.157 χ^2/NDF: 862044.6/76

- sign 1549.410+/-0.223 χ^2/NDF: 419572.3/38



Right In: -489.395+/-1308.688 χ^2/NDF: 15.8/15

Left Out: -1034.941+/-1386.951 χ^2/NDF:31.9/21

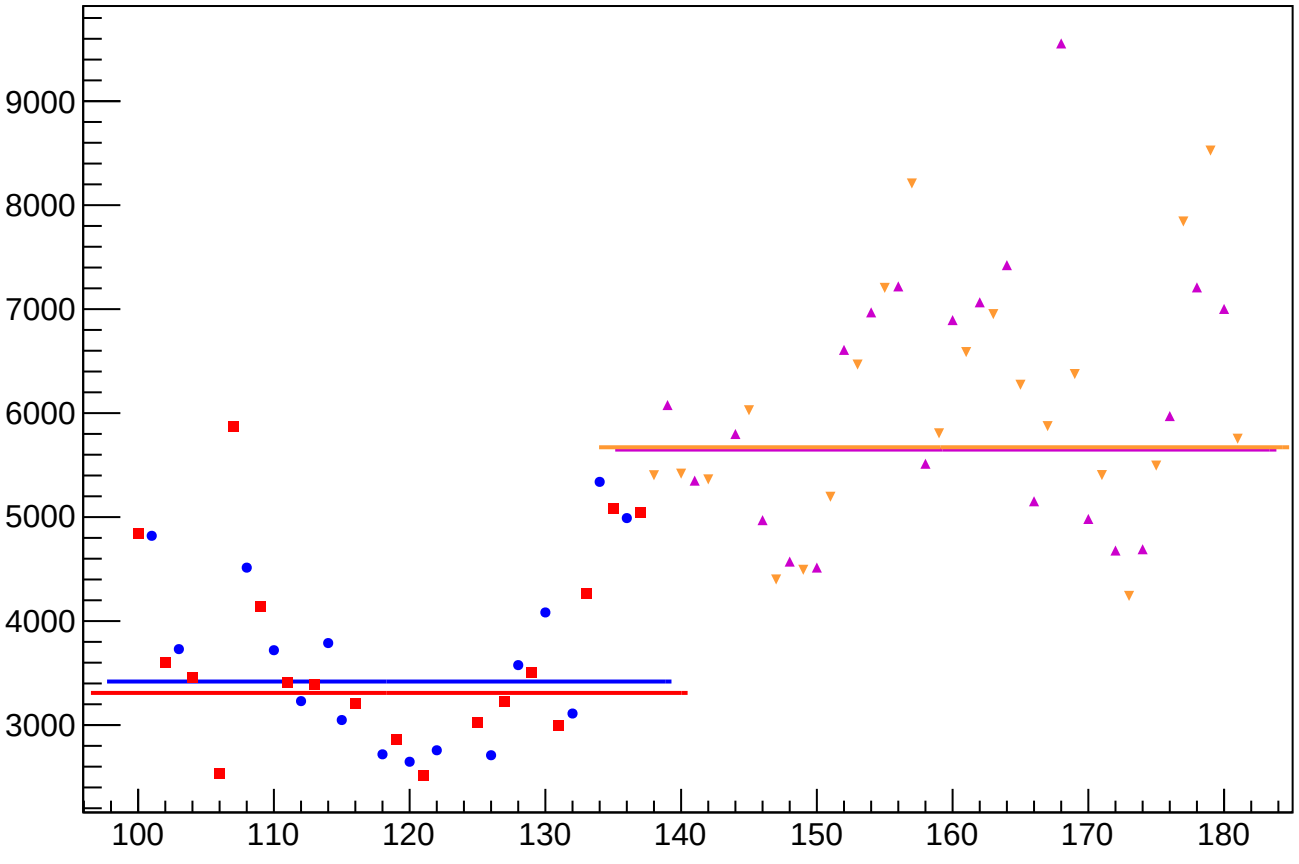
Right Out: -740.594+/-1247.944 χ^2/NDF: 19.2/17

Left In: -235.215+/-1390.245 χ^2/NDF:11.8/20

+ sign -746.342+/-951.848 χ^2/NDF: 47.8/37

All: -627.865+/-664.715 χ^2/NDF: 78.8/76

- sign -515.085+/-928.677 χ^2/NDF: 31.0/38



Right In: 3418.690+/-0.925 χ^2/NDF: 721223.9/15

Left Out: 5671.614+/-0.981 χ^2/NDF:1141348.6/21

Right Out: 3309.102+/-0.882 χ^2/NDF: 571944.5/17

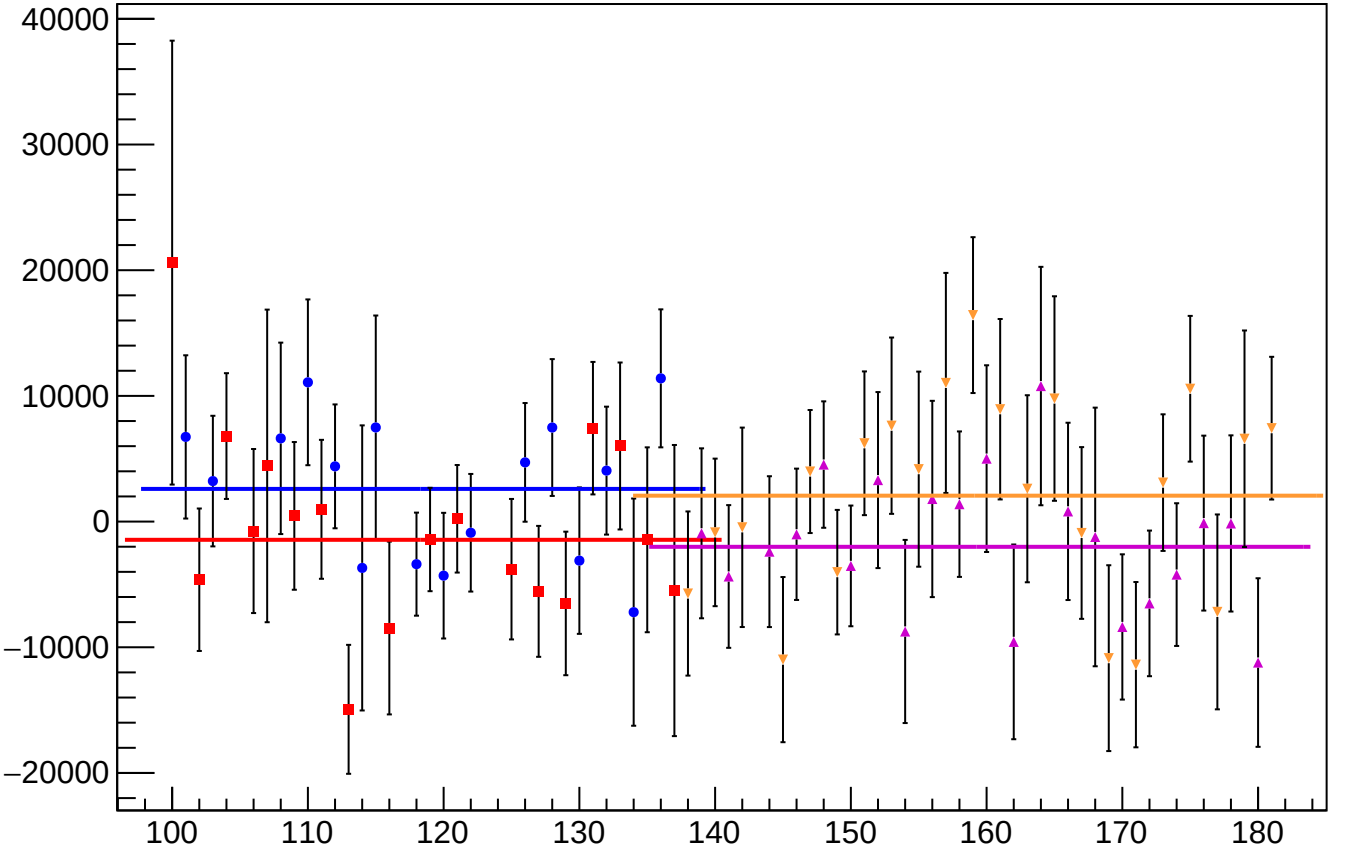
Left In: 5649.266+/-0.983 χ^2/NDF:1230713.0/20

+ sign 4479.797+/-0.673 χ^2/NDF: 4654241.6/37

All: 4415.002+/-0.470 χ^2/NDF: 9613177.4/76

- sign 4353.324+/-0.657 χ^2/NDF: 4940846.2/38

asym_usl_atl2_avg_mean vs Slug



Right In: 2599.622+/-1414.499 χ^2/NDF: 13.5/15

Left Out: 2061.571+/-1385.772 χ^2/NDF:29.1/21

Right Out: -1450.418+/-1382.818 χ^2/NDF: 19.0/17

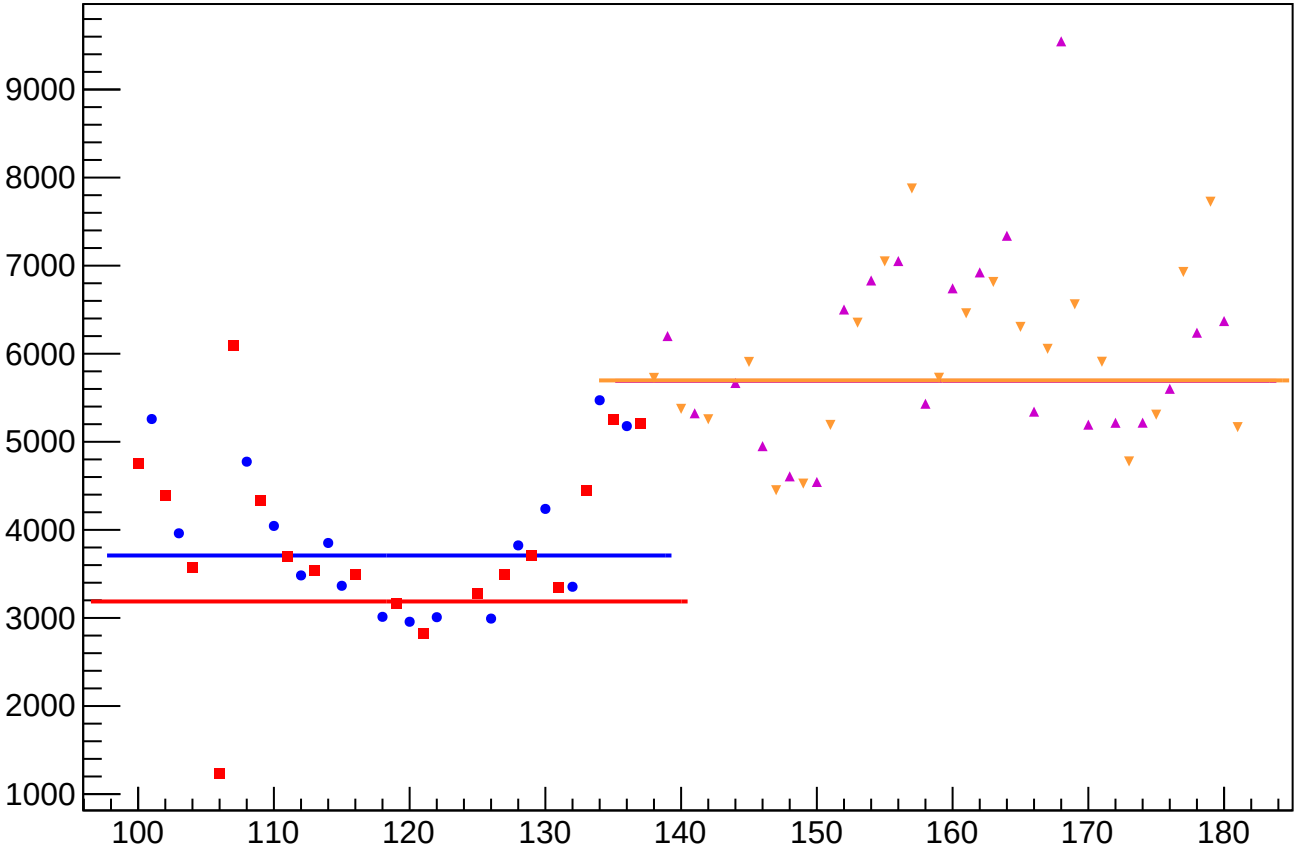
Left In: -2007.724+/-1393.258 χ^2/NDF:11.9/20

+ sign 2325.077+/-989.889 χ^2/NDF: 42.6/37

All: 281.747+/-696.962 χ^2/NDF: 82.1/76

- sign -1726.976+/-981.470 χ^2/NDF: 31.0/38

asym_usl_atl2_avg_rms vs Slug



Right In: 3709.155+/-1.000 χ^2/NDF: 610637.3/15

Left Out: 5697.020+/-0.980 χ^2/NDF:832513.1/21

Right Out: 3187.191+/-0.896 χ^2/NDF: 1610818.1/17

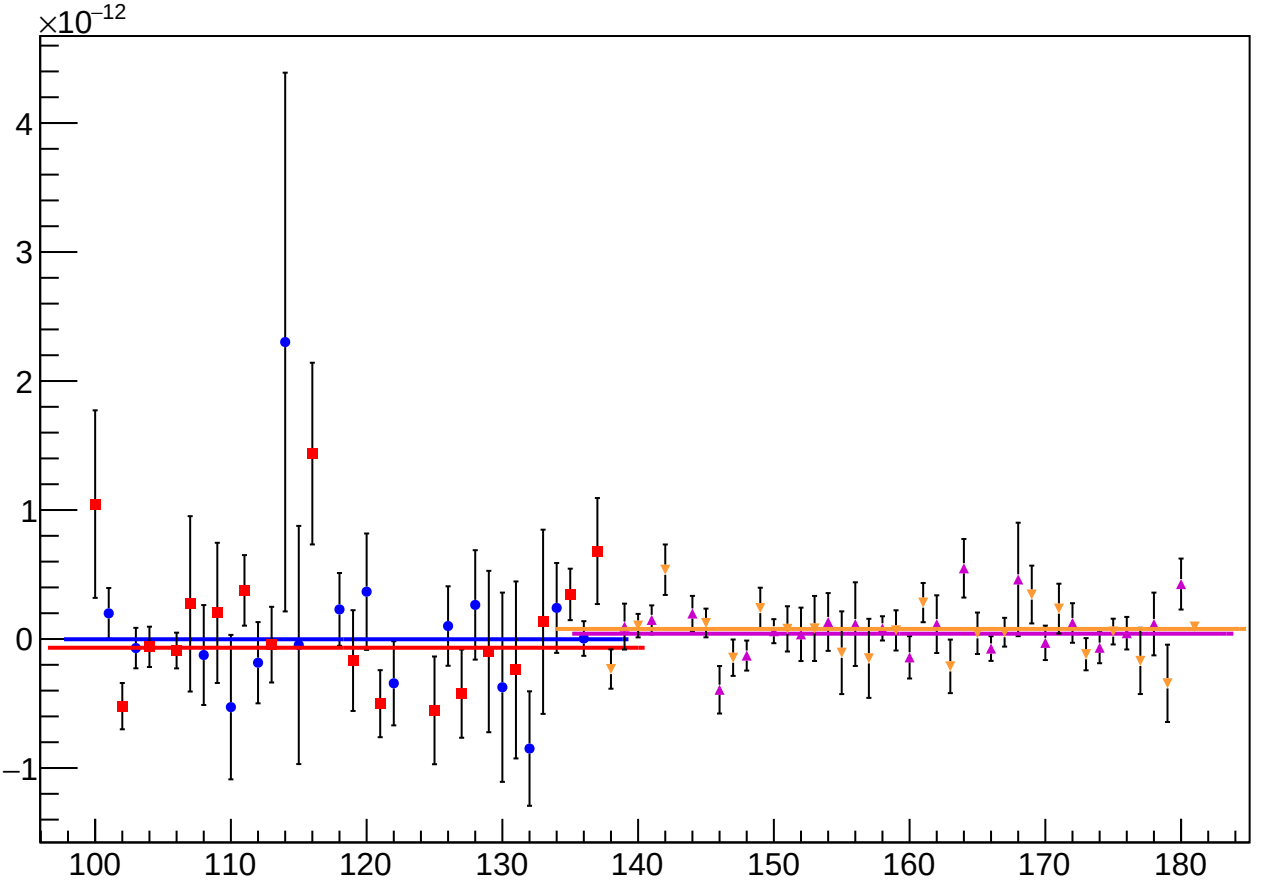
Left In: 5691.360+/-0.985 χ^2/NDF:919562.5/20

+ sign 4723.475+/-0.700 χ^2/NDF: 3458679.1/37

All: 4510.828+/-0.481 χ^2/NDF: 9701700.3/76

- sign 4320.225+/-0.663 χ^2/NDF: 6067999.6/38

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:26.1/21

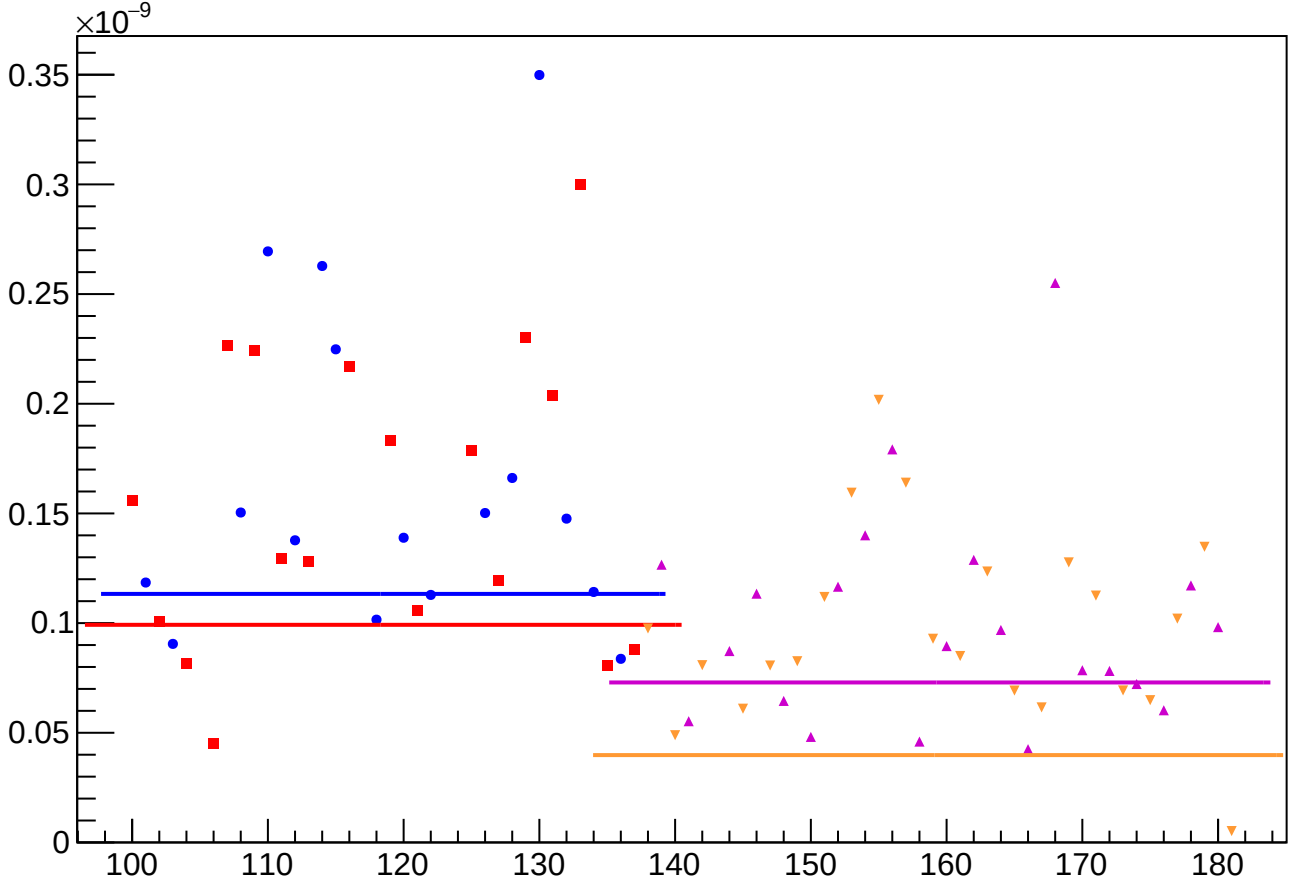
Right Out: -0.000+/-0.000 χ^2/NDF: 29.5/17

Left In: 0.000+/-0.000 χ^2/NDF:24.5/20

+ sign 0.000+/-0.000 χ^2/NDF: 38.3/37

All: 0.000+/-0.000 χ^2/NDF: 96.5/76

- sign 0.000+/-0.000 χ^2/NDF: 56.2/38



Right In: 0.000+/-0.000 χ^2/NDF: 655766.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:6945861.2/21

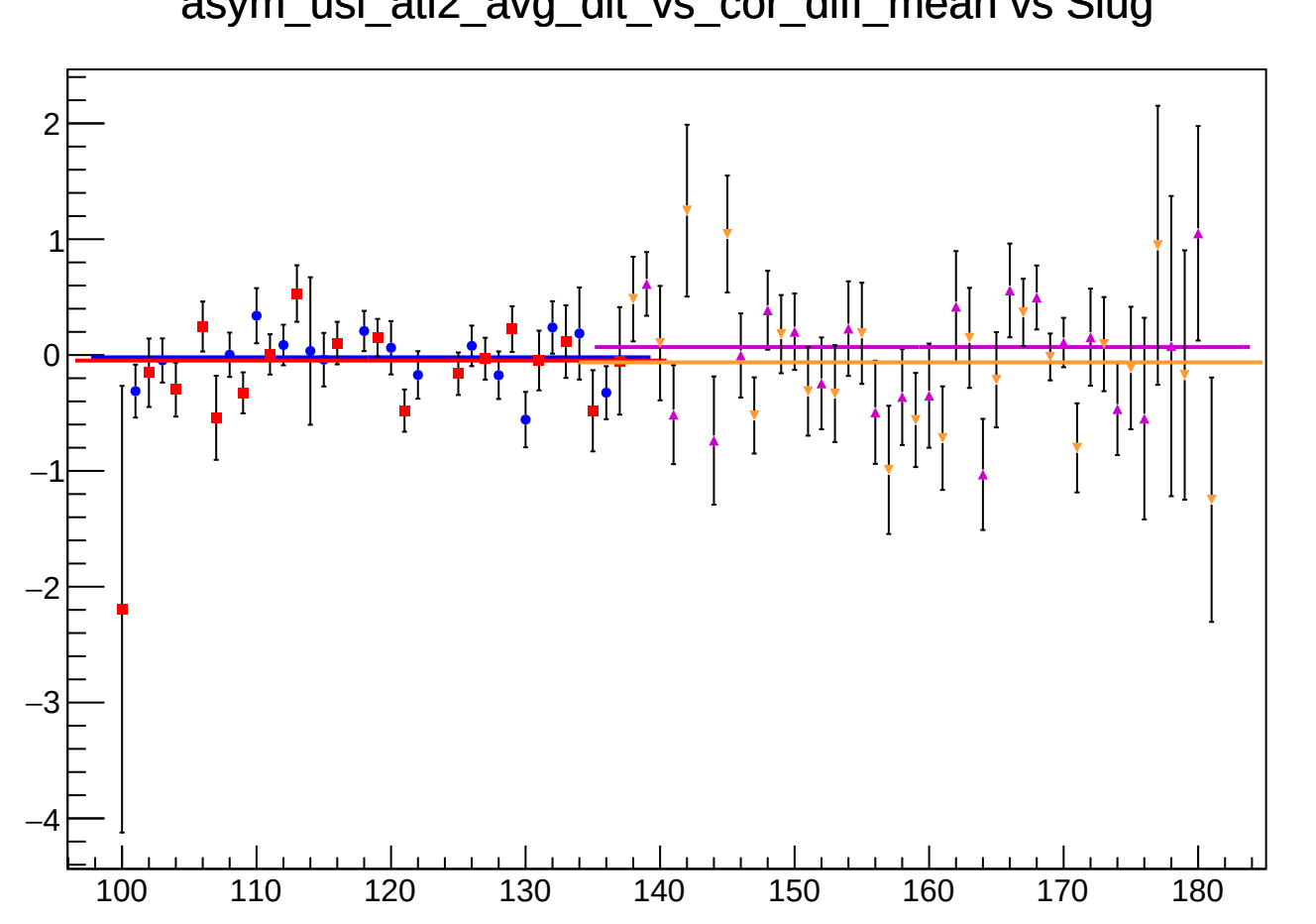
Right Out: 0.000+/-0.000 χ^2/NDF: 1100854.2/17

Left In: 0.000+/-0.000 χ^2/NDF:1987672.5/20

+ sign 0.000+/-0.000 χ^2/NDF: 9574336.3/37

All: 0.000+/-0.000 χ^2/NDF: 14446974.8/76

- sign 0.000+/-0.000 χ^2/NDF: 3349067.8/38



Right In: -0.020+/-0.054 χ^2/NDF: 16.0/15

Left Out: -0.063+/-0.086 χ^2/NDF:28.8/21

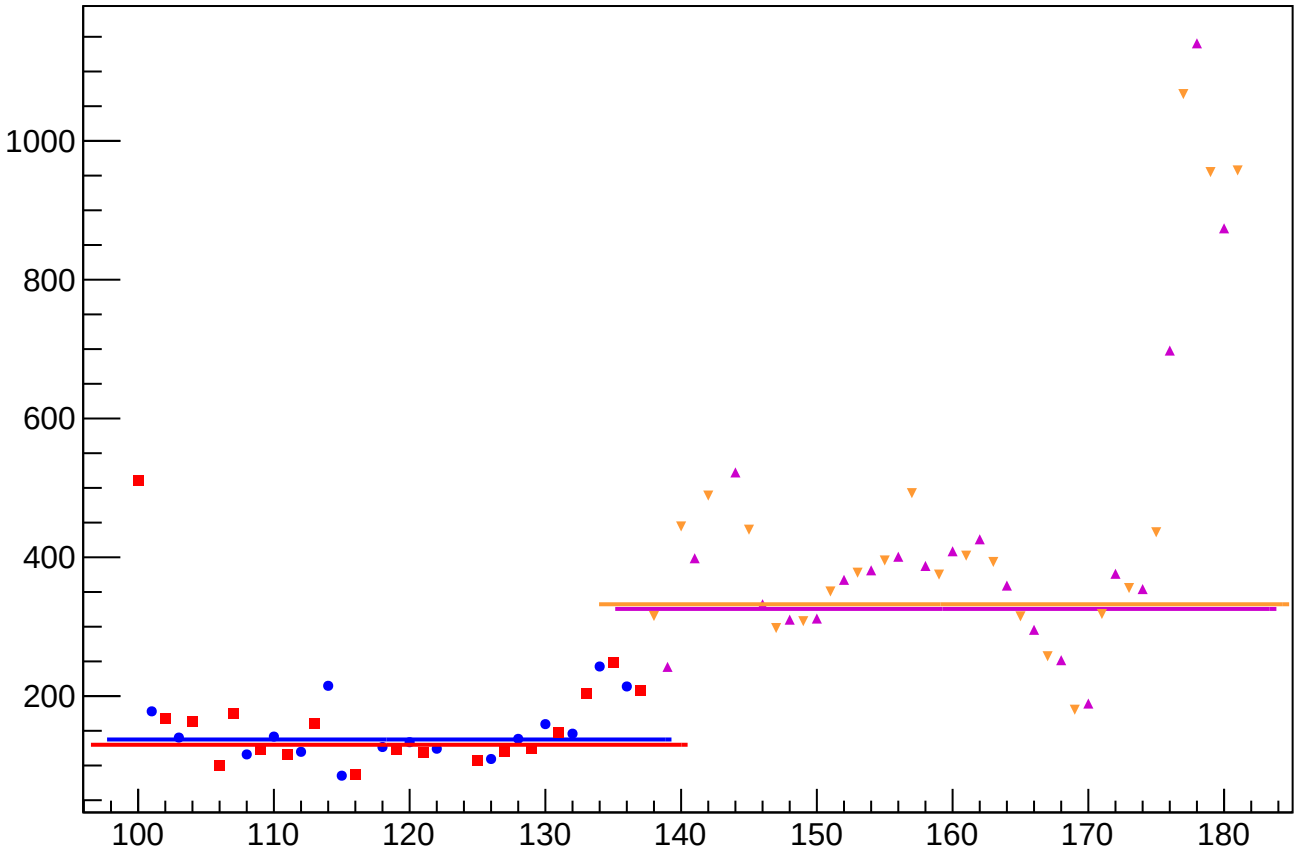
Right Out: -0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: 0.069+/-0.084 χ^2/NDF:26.5/20

+ sign -0.032+/-0.046 χ^2/NDF: 45.0/37

All: -0.023+/-0.032 χ^2/NDF: 99.2/76

- sign -0.015+/-0.045 χ^2/NDF: 54.1/38



Right In: 137.492+/-0.038 χ^2/NDF: 692947.9/15

Left Out: 332.334+/-0.061 χ^2/NDF:4136217.3/21

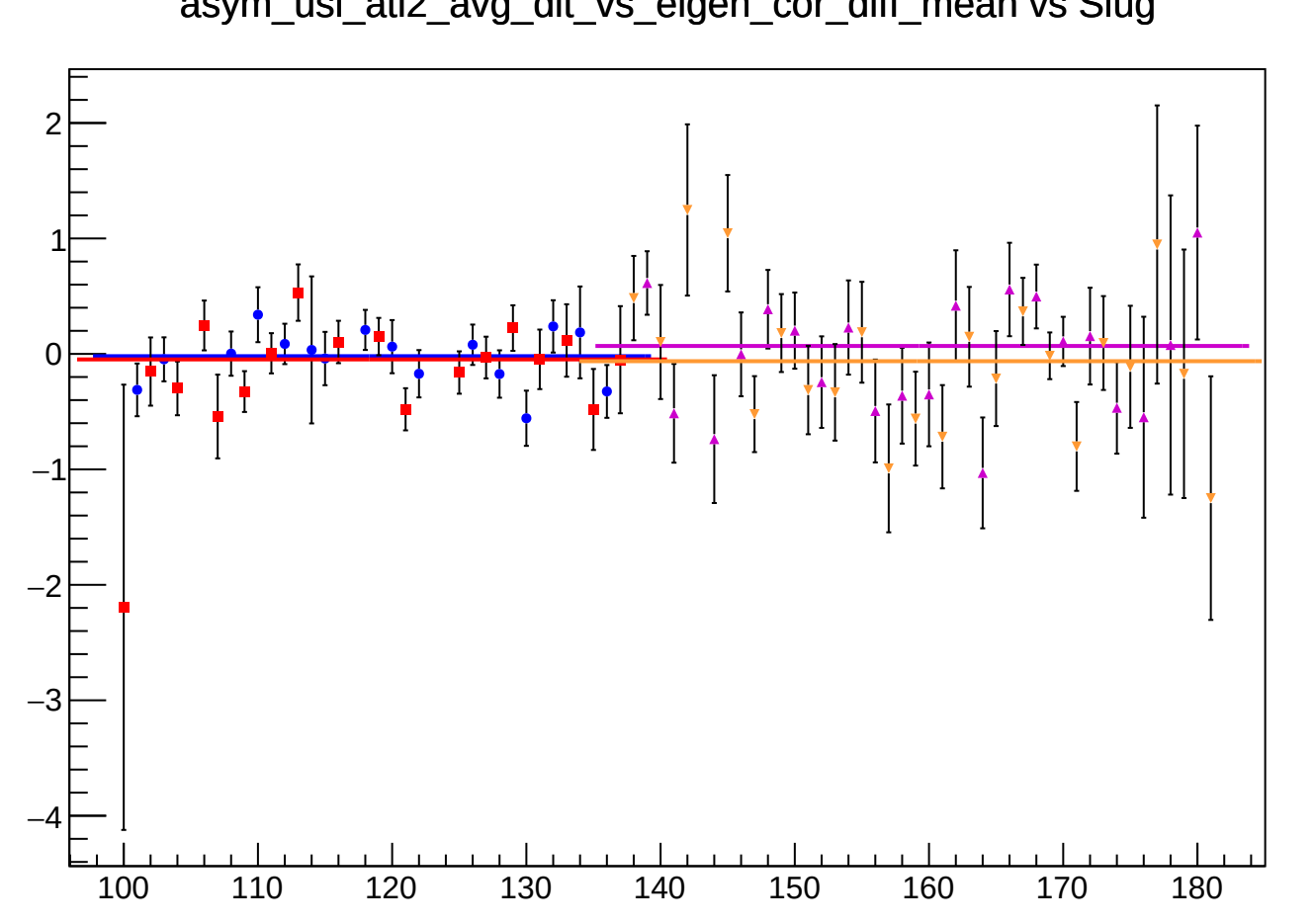
Right Out: 129.887+/-0.037 χ^2/NDF: 833983.9/17

Left In: 325.622+/-0.060 χ^2/NDF:3700608.9/20

+ sign 192.498+/-0.032 χ^2/NDF: 12124225.5/37

All: 188.396+/-0.023 χ^2/NDF: 24452777.2/76

- sign 184.533+/-0.032 χ^2/NDF: 12297565.0/38



Right In: -0.020+/-0.054 χ^2/NDF: 16.0/15

Left Out: -0.063+/-0.086 χ^2/NDF:28.8/21

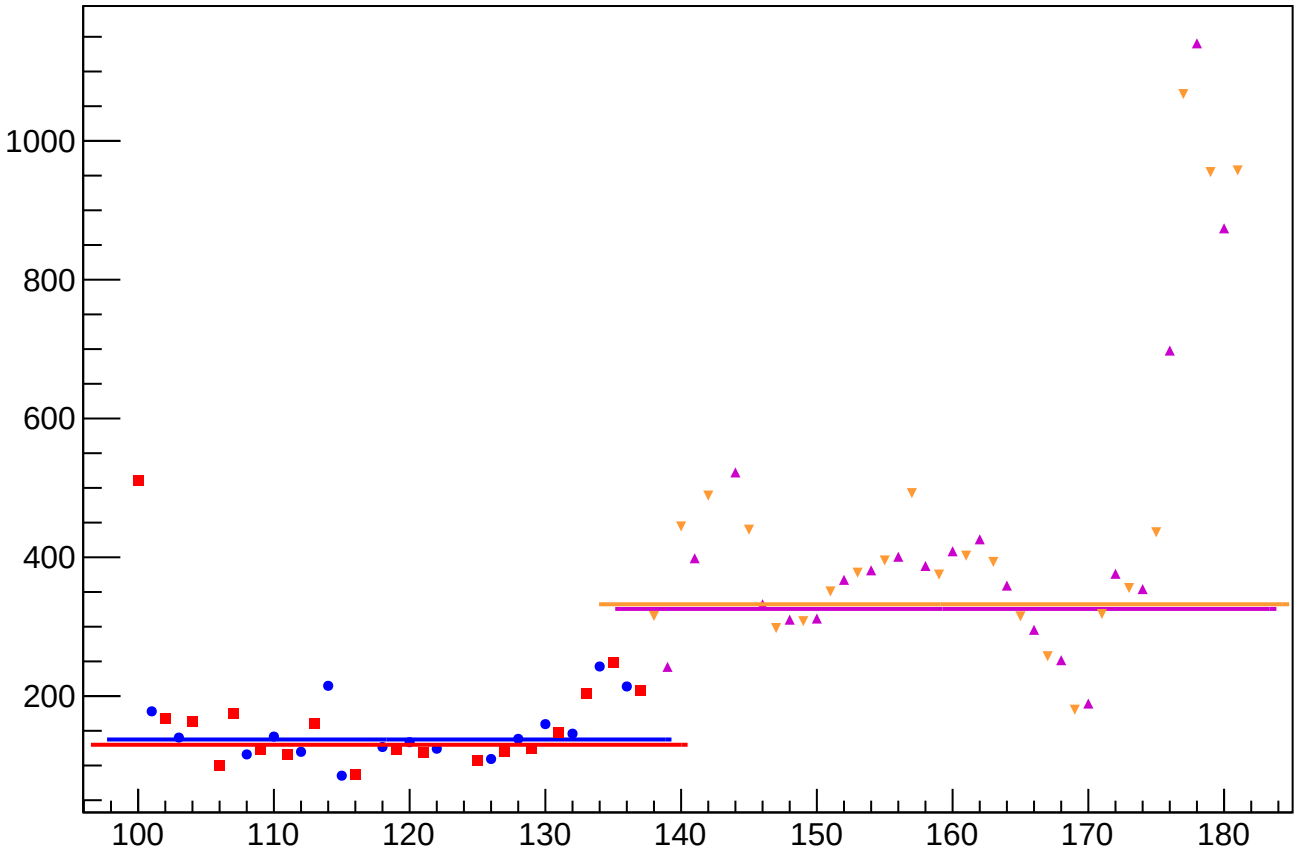
Right Out: -0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: 0.069+/-0.084 χ^2/NDF:26.5/20

+ sign -0.032+/-0.046 χ^2/NDF: 45.0/37

All: -0.023+/-0.032 χ^2/NDF: 99.2/76

- sign -0.015+/-0.045 χ^2/NDF: 54.1/38



Right In: 137.492+/-0.038 χ^2/NDF: 692947.9/15

Left Out: 332.334+/-0.061 χ^2/NDF:4136217.3/21

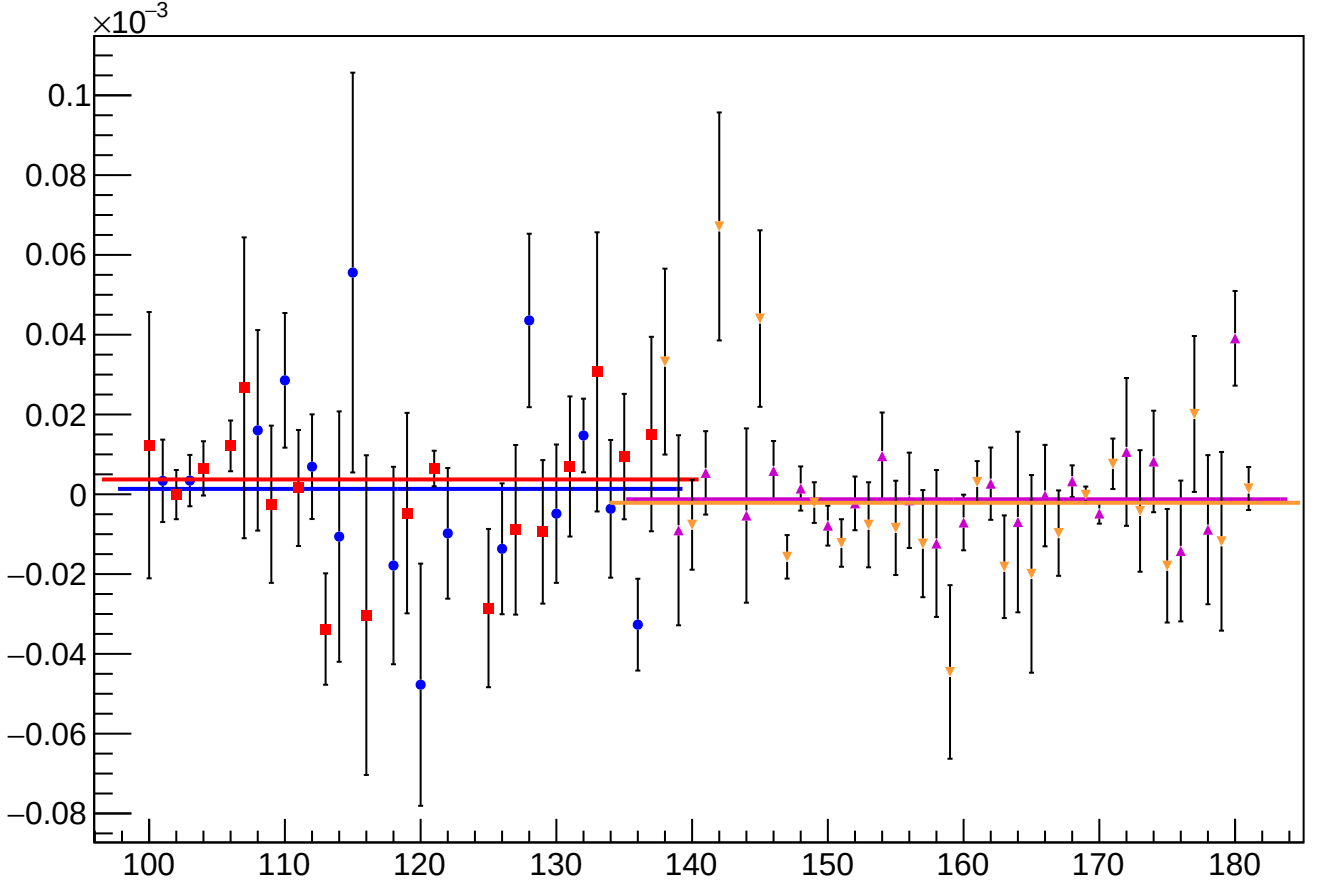
Right Out: 129.887+/-0.037 χ^2/NDF: 833983.9/17

Left In: 325.622+/-0.060 χ^2/NDF:3700608.9/20

+ sign 192.498+/-0.032 χ^2/NDF: 12124225.5/37

All: 188.396+/-0.023 χ^2/NDF: 24452777.2/76

- sign 184.533+/-0.032 χ^2/NDF: 12297565.0/38



Right In: 0.000+/-0.000 χ^2/NDF: 23.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:36.8/21

Right Out: 0.000+/-0.000 χ^2/NDF: 15.8/17

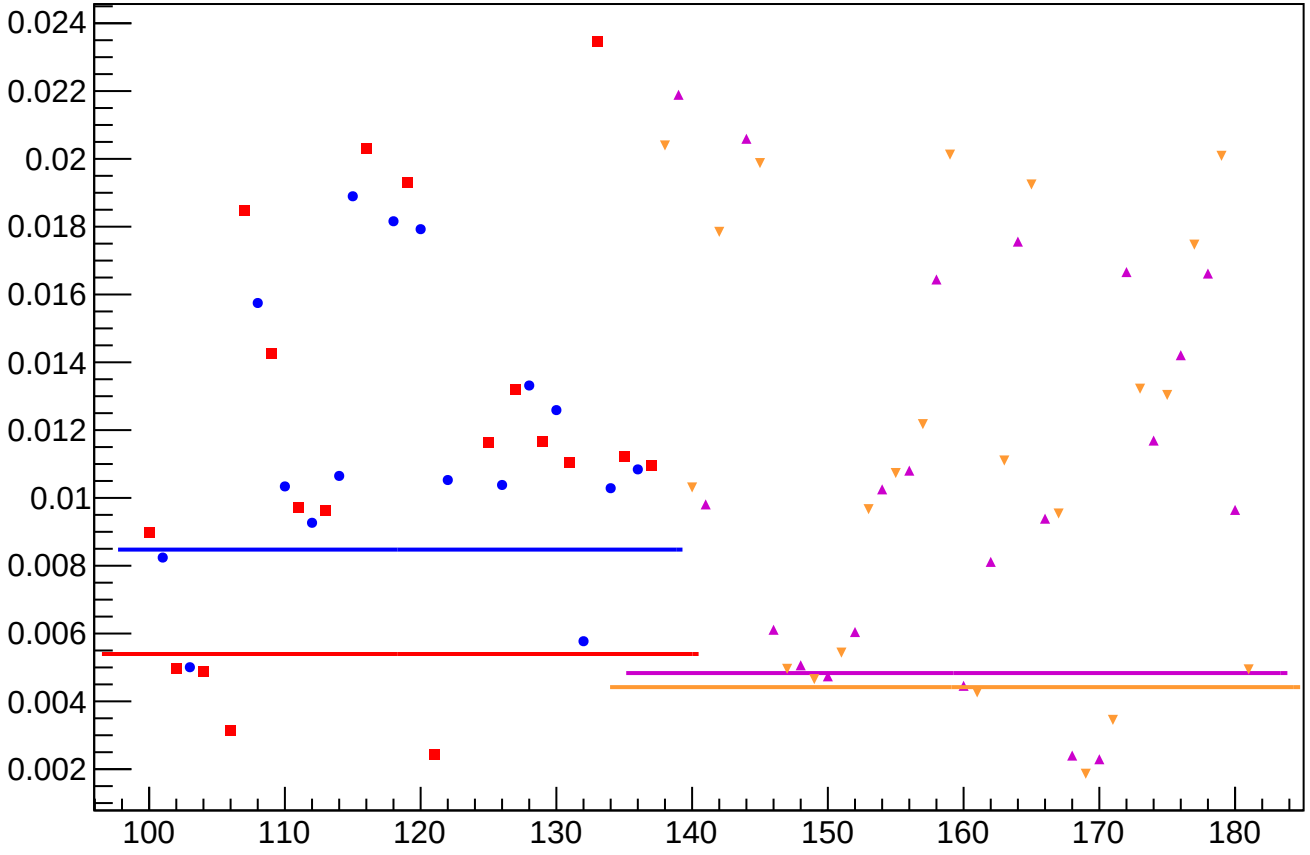
Left In: -0.000+/-0.000 χ^2/NDF:22.2/20

+ sign -0.000+/-0.000 χ^2/NDF: 61.6/37

All: -0.000+/-0.000 χ^2/NDF: 103.3/76

- sign 0.000+/-0.000 χ^2/NDF: 40.8/38

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:13823753.7/21

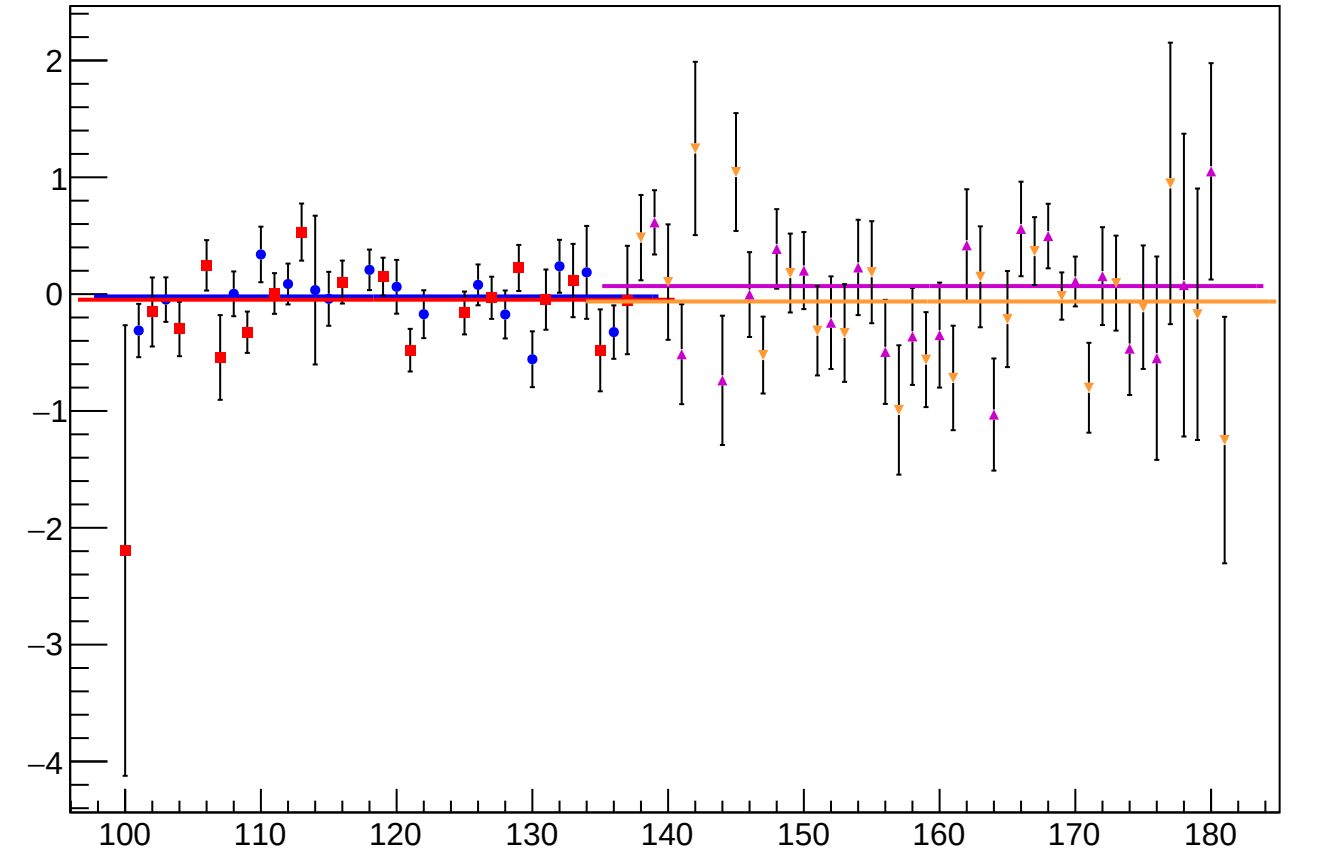
Right Out: 0.005+/-0.000 χ^2/NDF: 4909074.3/17

Left In: 0.005+/-0.000 χ^2/NDF:11402509.3/20

+ sign 0.005+/-0.000 χ^2/NDF: 18114716.5/37

All: 0.005+/-0.000 χ^2/NDF: 34498901.7/76

- sign 0.005+/-0.000 χ^2/NDF: 16383877.6/38



Right In: -0.020+/-0.054 χ^2/NDF: 16.0/15

Left Out: -0.063+/-0.086 χ^2/NDF:28.8/21

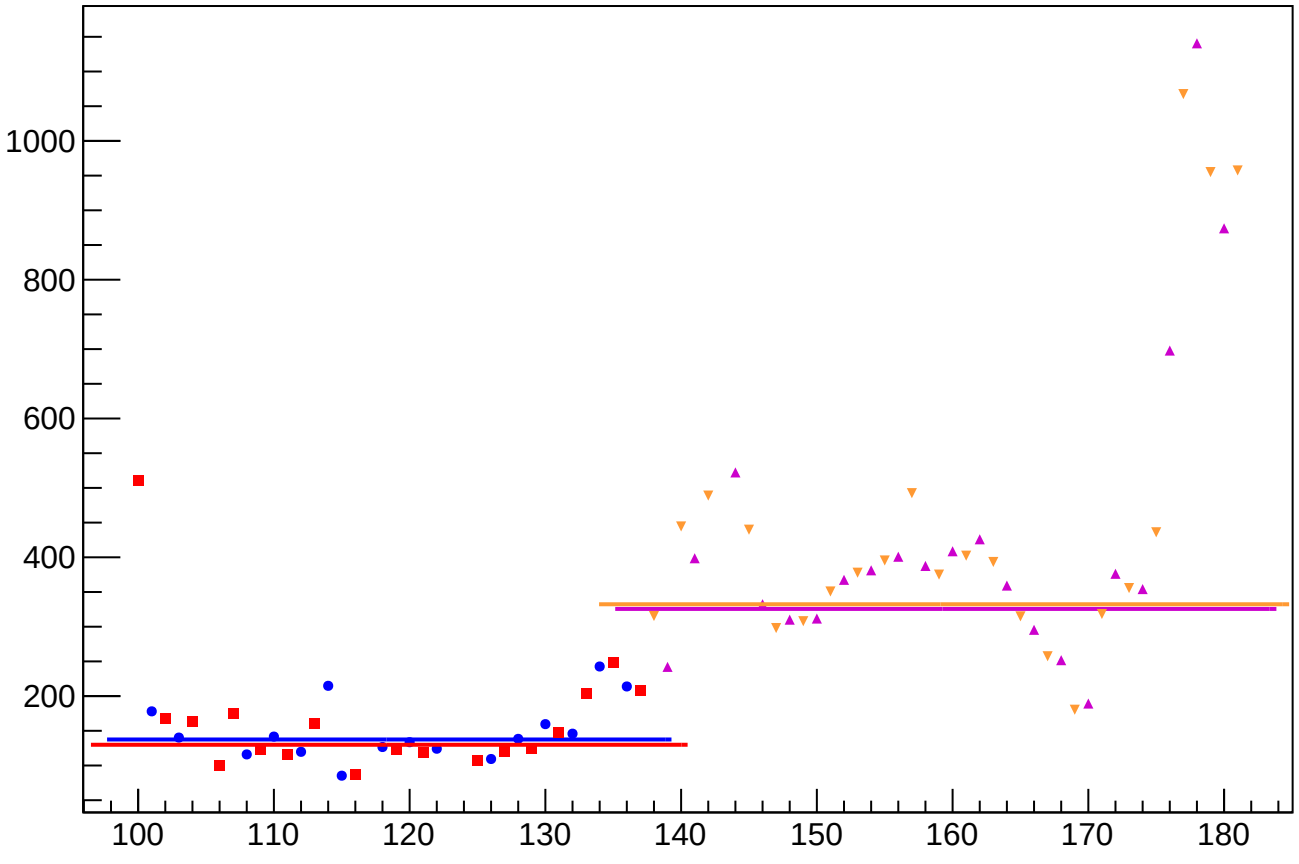
Right Out: -0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: 0.069+/-0.084 χ^2/NDF:26.5/20

+ sign -0.032+/-0.046 χ^2/NDF: 45.0/37

All: -0.023+/-0.032 χ^2/NDF: 99.2/76

- sign -0.015+/-0.045 χ^2/NDF: 54.1/38



Right In: 137.492+/-0.038 χ^2/NDF: 692923.1/15

Left Out: 332.336+/-0.061 χ^2/NDF:4136283.6/21

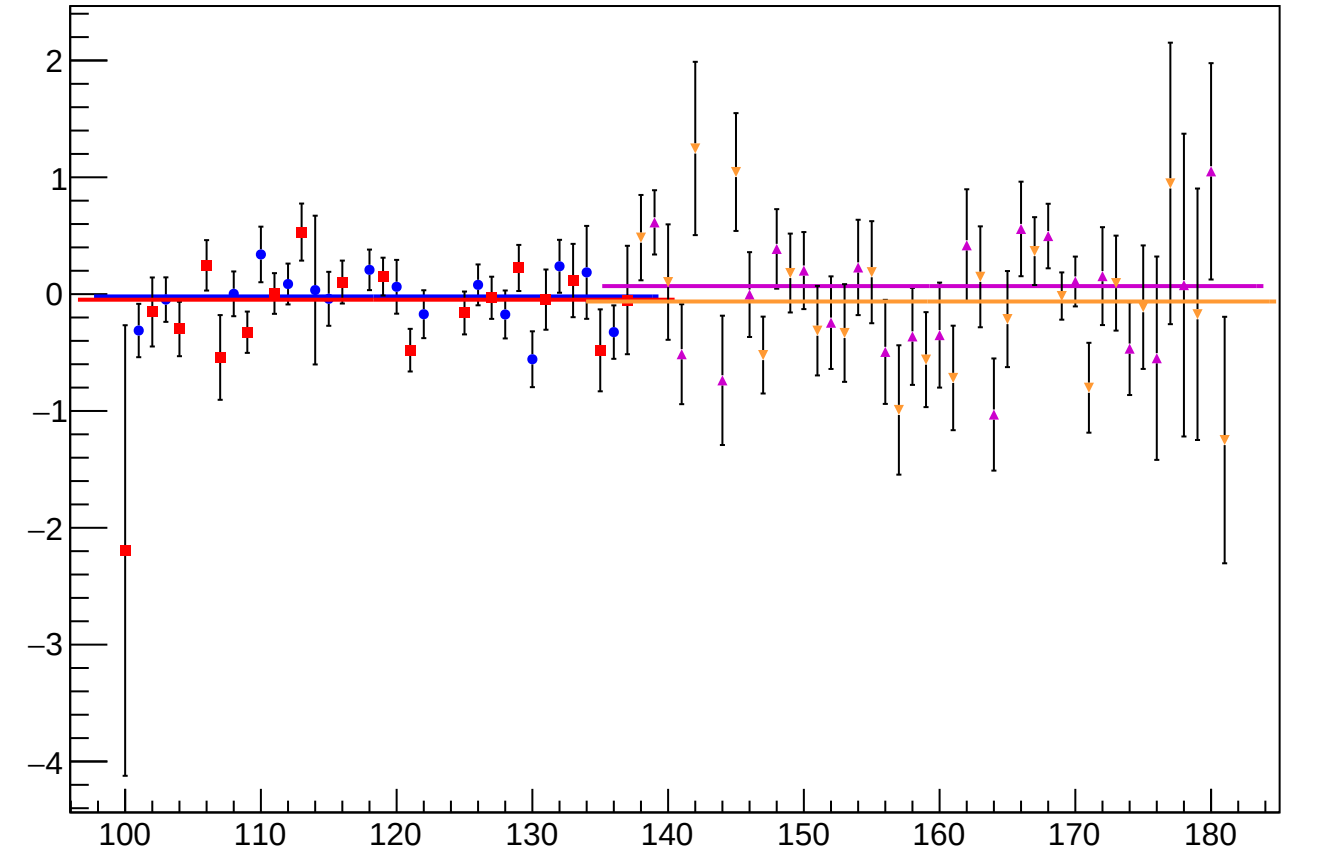
Right Out: 129.887+/-0.037 χ^2/NDF: 833937.8/17

Left In: 325.625+/-0.060 χ^2/NDF:3700613.4/20

+ sign 192.498+/-0.032 χ^2/NDF: 12124356.0/37

All: 188.396+/-0.023 χ^2/NDF: 24452996.8/76

- sign 184.533+/-0.032 χ^2/NDF: 12297655.1/38



Right In: -0.020+/-0.054 χ^2/NDF: 16.0/15

Left Out: -0.063+/-0.086 χ^2/NDF:28.8/21

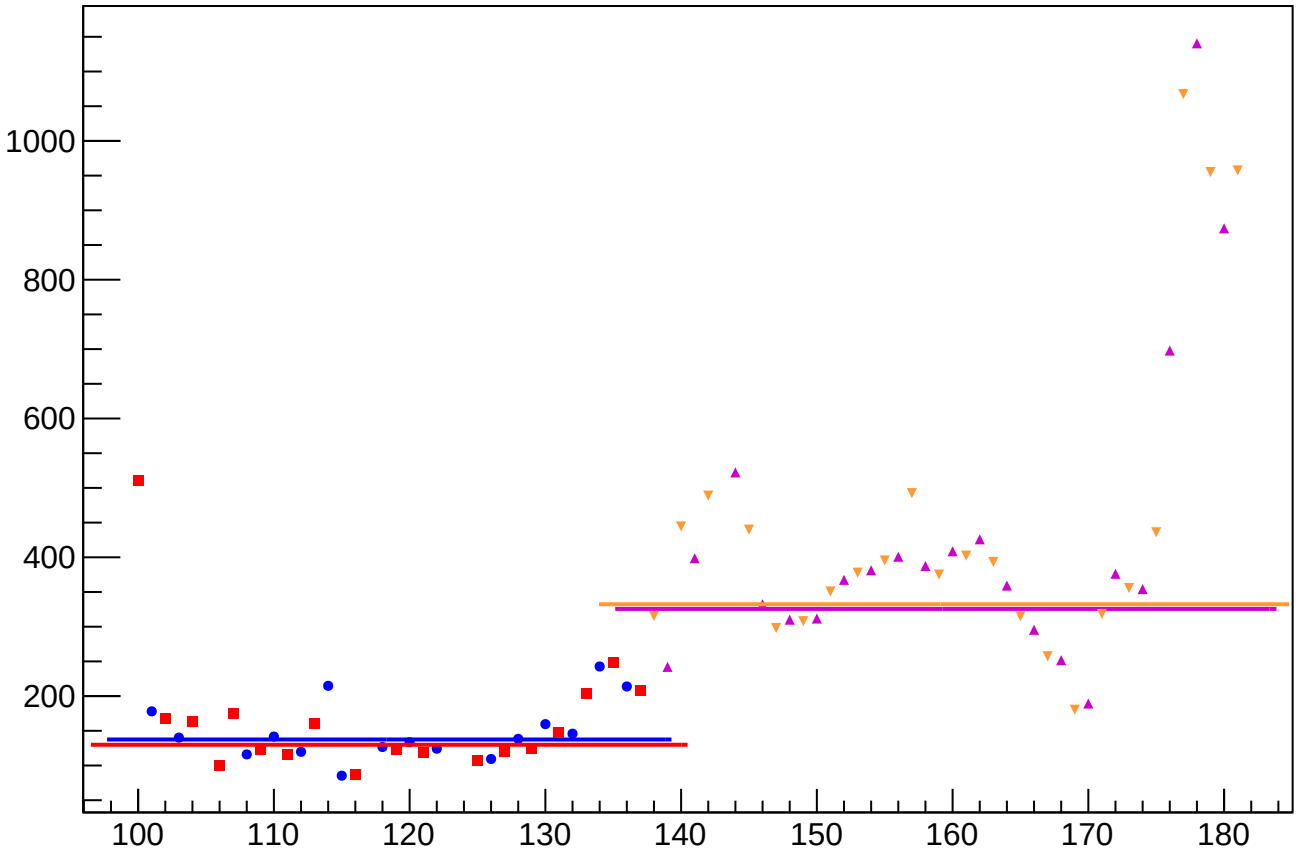
Right Out: -0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: 0.069+/-0.084 χ^2/NDF:26.5/20

+ sign -0.032+/-0.046 χ^2/NDF: 45.0/37

All: -0.023+/-0.032 χ^2/NDF: 99.2/76

- sign -0.015+/-0.045 χ^2/NDF: 54.1/38



Right In: 137.492+/-0.038 χ^2/NDF: 692923.1/15

Left Out: 332.336+/-0.061 χ^2/NDF:4136283.6/21

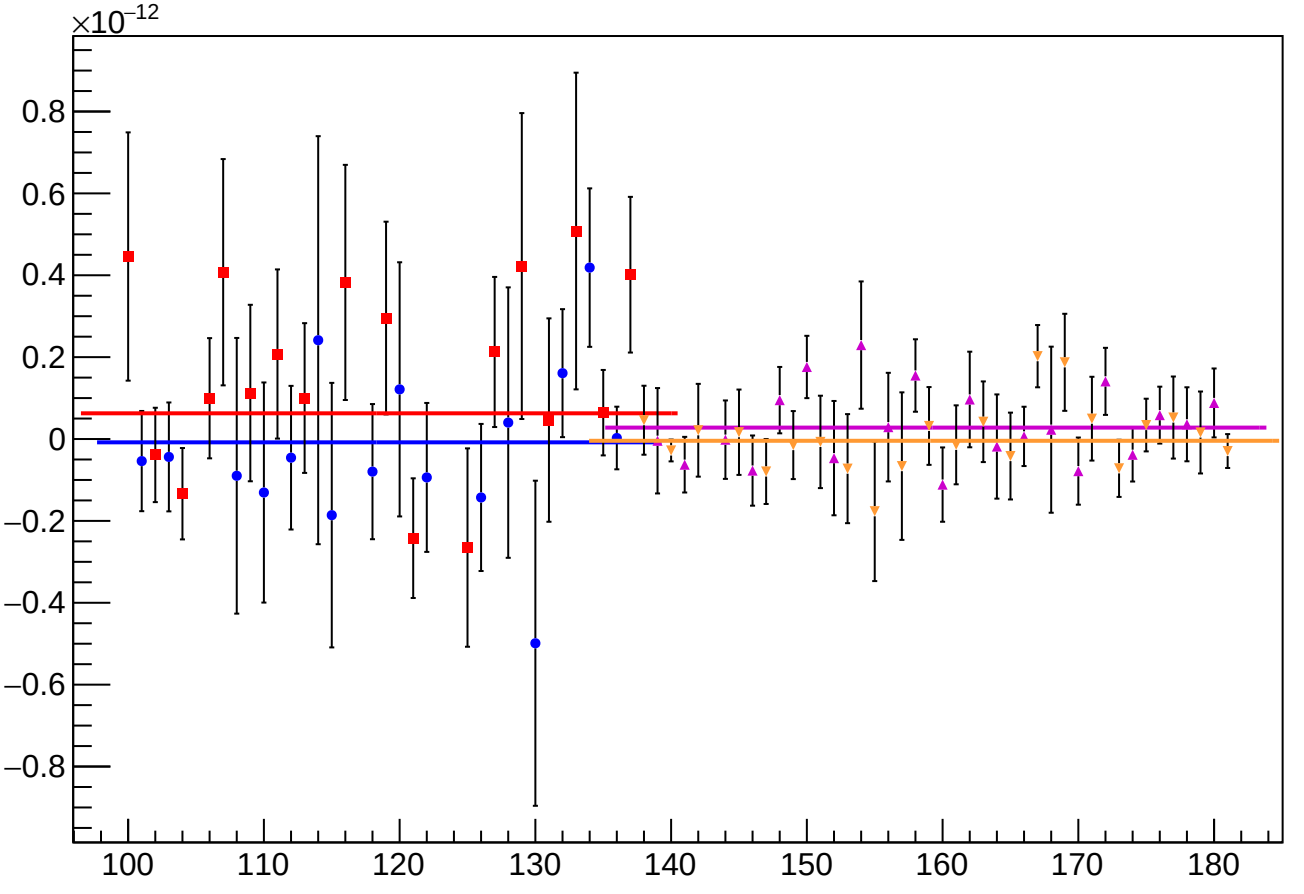
Right Out: 129.887+/-0.037 χ^2/NDF: 833937.8/17

Left In: 325.625+/-0.060 χ^2/NDF:3700613.4/20

+ sign 192.498+/-0.032 χ^2/NDF: 12124356.0/37

All: 188.396+/-0.023 χ^2/NDF: 24452996.8/76

- sign 184.533+/-0.032 χ^2/NDF: 12297655.1/38



Right In: -0.000+/-0.000 χ^2/NDF: 9.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:16.3/21

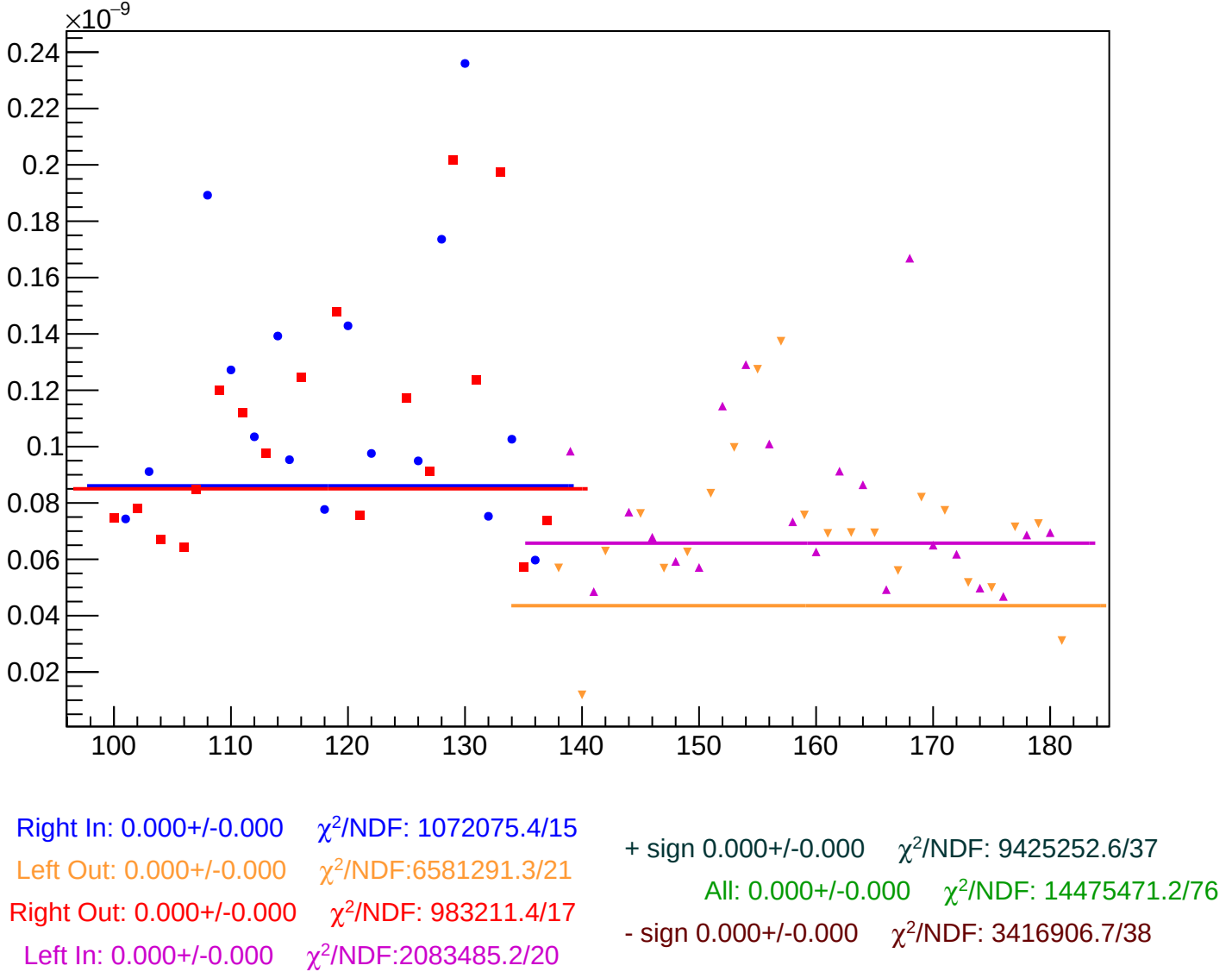
Right Out: 0.000+/-0.000 χ^2/NDF: 22.2/17

Left In: 0.000+/-0.000 χ^2/NDF:20.2/20

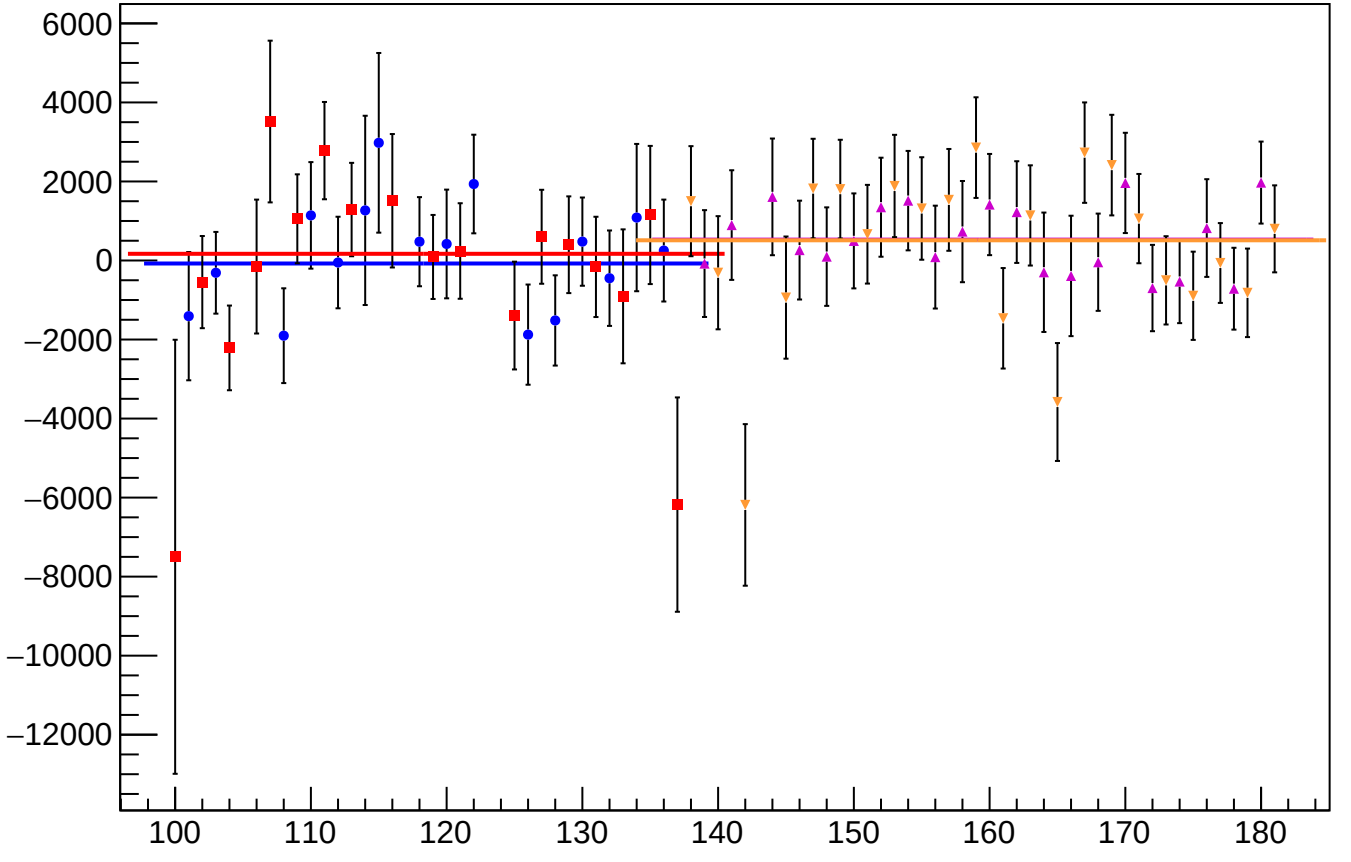
+ sign -0.000+/-0.000 χ^2/NDF: 26.2/37

All: 0.000+/-0.000 χ^2/NDF: 72.0/76

- sign 0.000+/-0.000 χ^2/NDF: 42.9/38


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:6581291.3/21
Right Out: 0.000+/-0.000 χ²/NDF: 983211.4/17
Left In: 0.000+/-0.000 χ²/NDF:2083485.2/20
+ sign 0.000+/-0.000 χ²/NDF: 9425252.6/37
All: 0.000+/-0.000 χ²/NDF: 14475471.2/76
- sign 0.000+/-0.000 χ²/NDF: 3416906.7/38

reg_asym_usl_atl2_dd_mean vs Slug



Right In: -75.944+/-326.226 χ^2/NDF: 13.4/15

Left Out: 511.459+/-268.235 χ^2/NDF:40.1/21

Right Out: 169.345+/-321.827 χ^2/NDF: 24.4/17

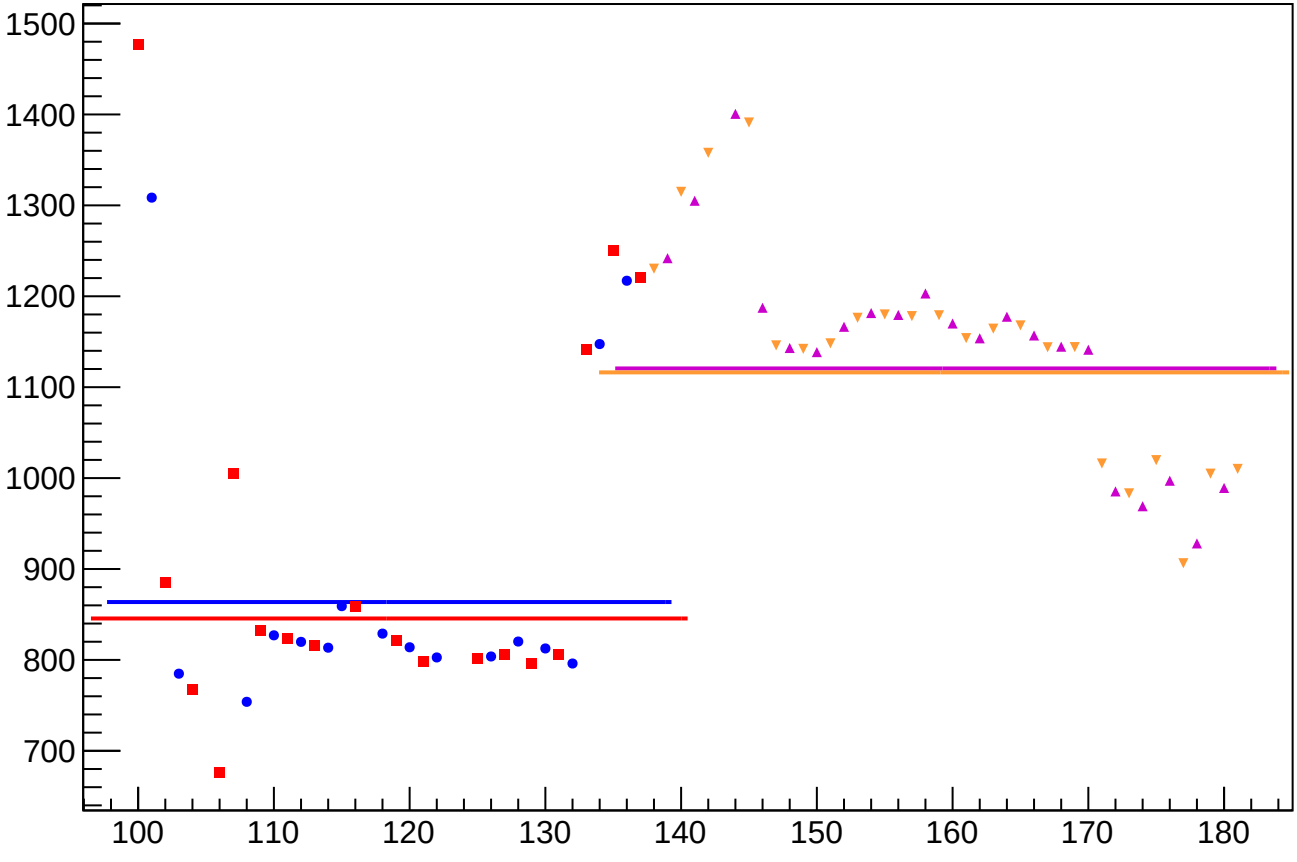
Left In: 528.616+/-271.274 χ^2/NDF:10.8/20

\+ sign 274.520+/-207.190 χ^2/NDF: 55.3/37

All: 326.894+/-146.586 χ^2/NDF: 91.4/76

\- sign 379.382+/-207.417 χ^2/NDF: 35.9/38

reg_asym_usl_atl2_dd_rms vs Slug



Right In: 863.661+/-0.231 χ^2/NDF: 407498.8/15

Left Out: 1116.277+/-0.190 χ^2/NDF:357707.1/21

Right Out: 845.579+/-0.225 χ^2/NDF: 307774.6/17

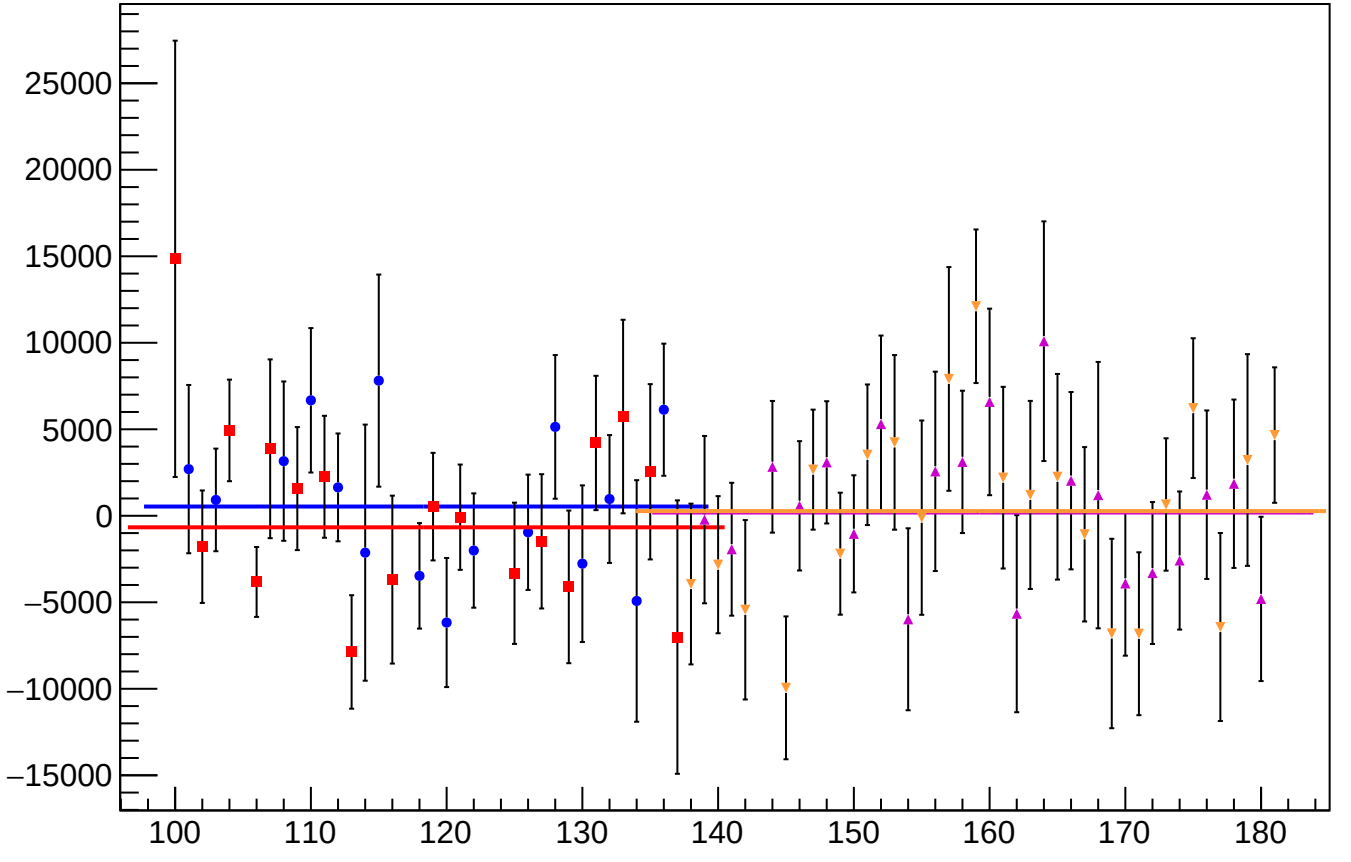
Left In: 1120.614+/-0.192 χ^2/NDF:352797.4/20

+ sign 1014.380+/-0.147 χ^2/NDF: 1480723.6/37

All: 1009.523+/-0.103 χ^2/NDF: 3009883.7/76

- sign 1004.706+/-0.146 χ^2/NDF: 1526970.8/38

asym_usl_atl2_dd_reg_correction_mean vs Slug



Right In: 534.507+/-981.290 χ^2/NDF: 14.7/15

Left Out: 270.729+/-977.142 χ^2/NDF:29.0/21

Right Out: -665.878+/-864.970 χ^2/NDF: 20.0/17

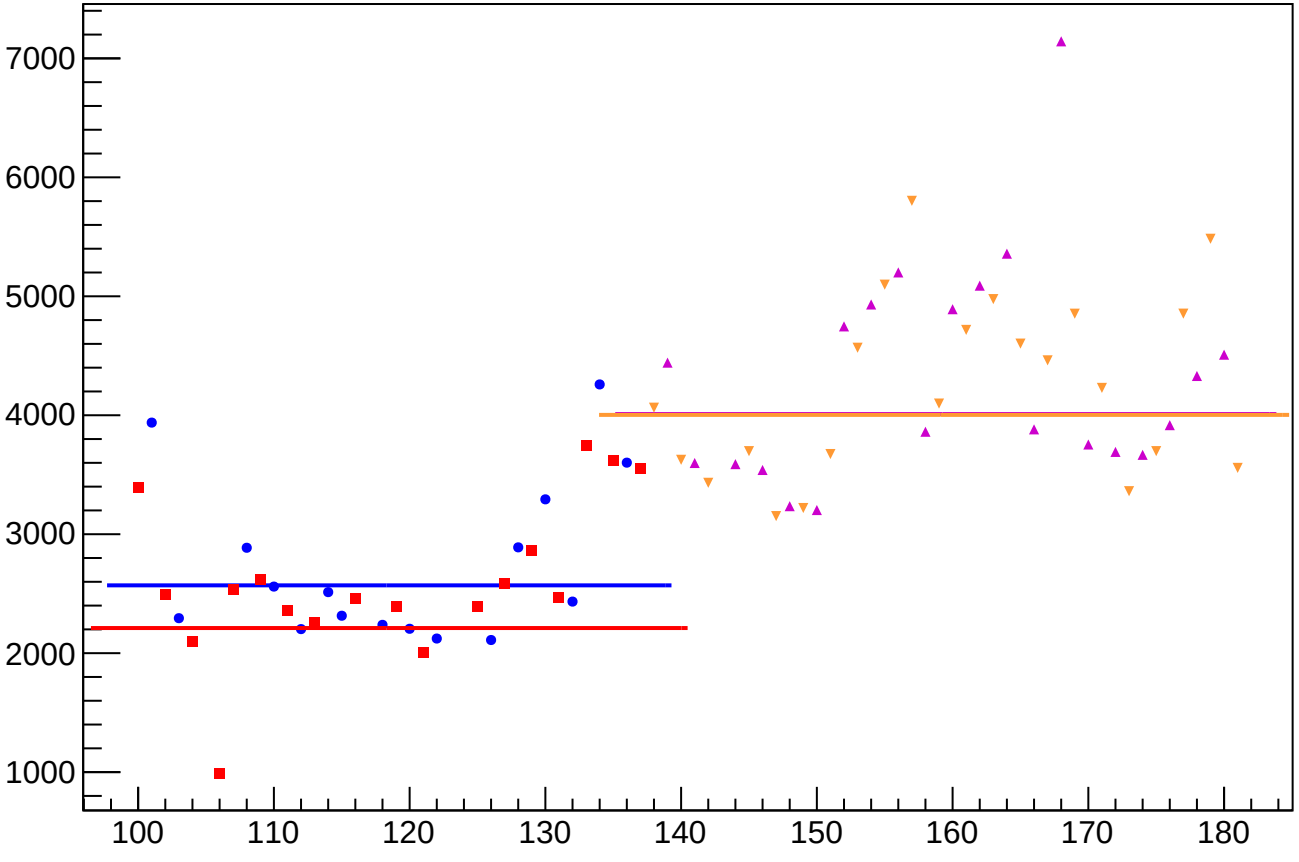
Left In: 187.481+/-984.687 χ^2/NDF:12.8/20

+ sign 402.059+/-692.406 χ^2/NDF: 43.7/37

All: 31.878+/-473.845 χ^2/NDF: 77.4/76

- sign -294.201+/-649.853 χ^2/NDF: 33.2/38

asym_usl_atl2_dd_reg_correction_rms vs Slug



Right In: 2570.135+/-0.694 χ^2/NDF: 662477.9/15

Left Out: 4003.138+/-0.691 χ^2/NDF:993191.9/21

Right Out: 2211.269+/-0.612 χ^2/NDF: 1264087.9/17

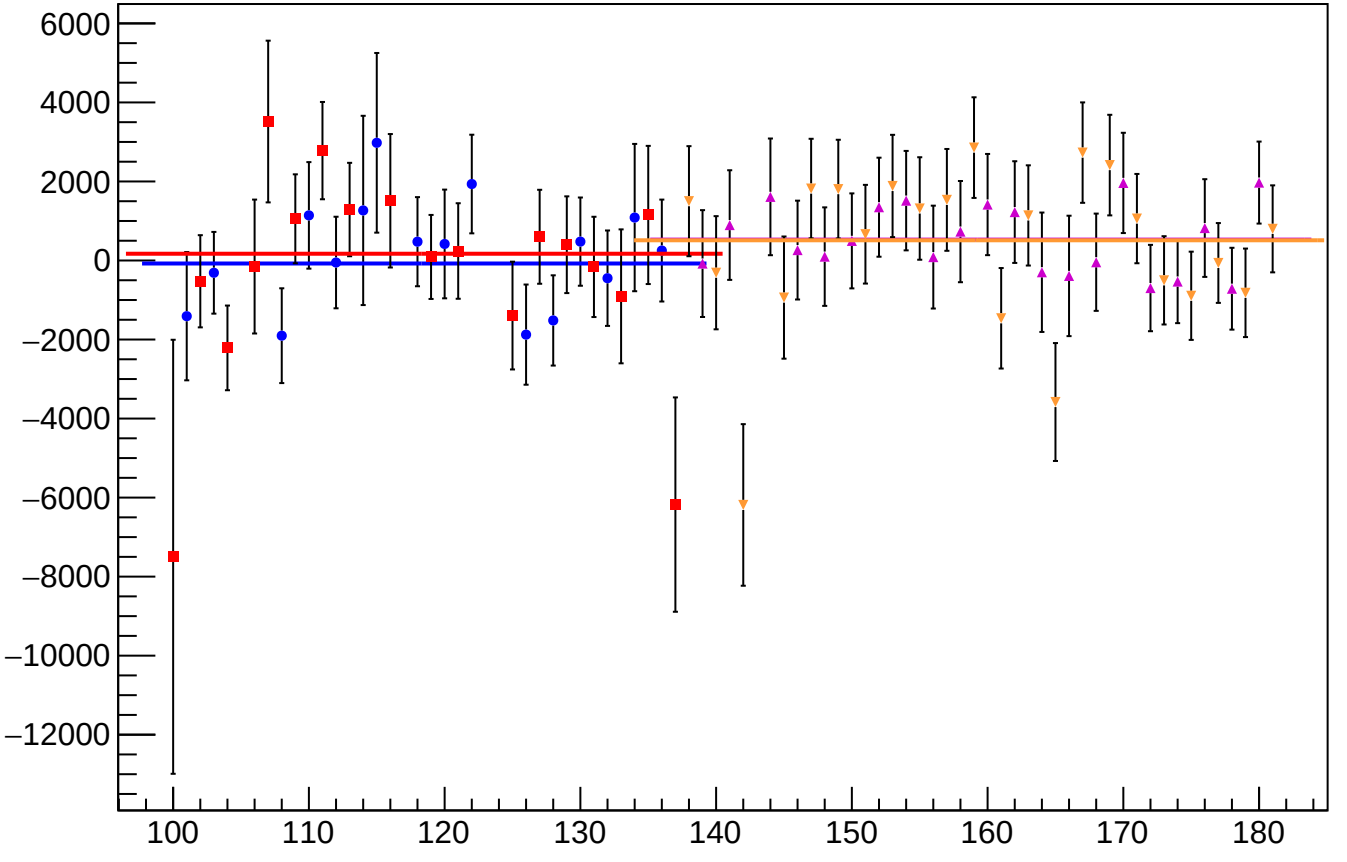
Left In: 4010.413+/-0.696 χ^2/NDF:1094840.5/20

+ sign 3289.672+/-0.490 χ^2/NDF: 3797253.6/37

All: 3132.939+/-0.335 χ^2/NDF: 10117644.8/7

- sign 2994.879+/-0.460 χ^2/NDF: 6127645.9/38

cor_asym_usl_atl2_dd_mean vs Slug



Right In: -76.022+/-326.226 χ^2/NDF: 13.3/15

Left Out: 511.504+/-268.235 χ^2/NDF:40.1/21

Right Out: 170.982+/-321.832 χ^2/NDF: 24.4/17

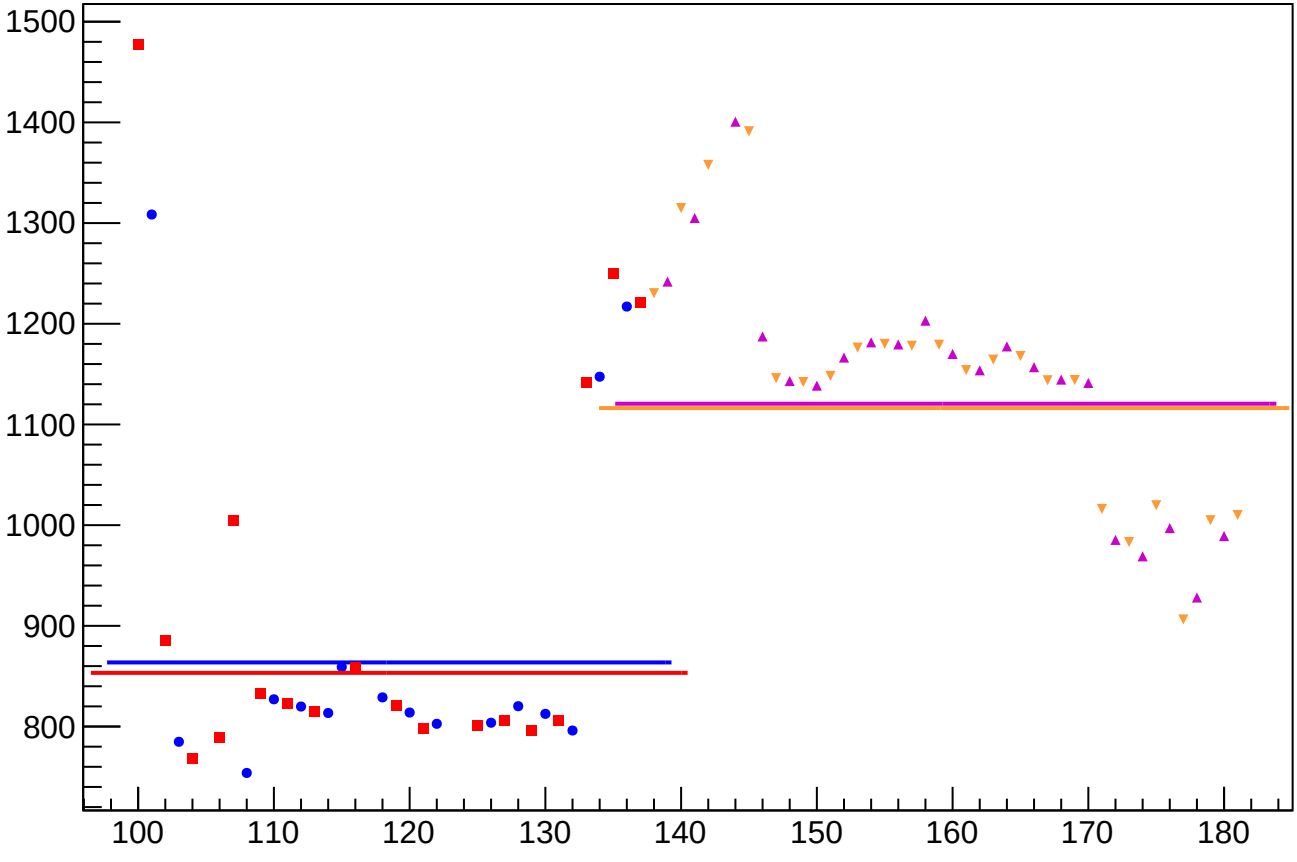
Left In: 528.577+/-271.274 χ^2/NDF:10.8/20

\+ sign 274.516+/-207.190 χ^2/NDF: 55.3/37

All: 327.221+/-146.586 χ^2/NDF: 91.3/76

\- sign 380.042+/-207.419 χ^2/NDF: 35.9/38

cor_asym_usl_atl2_dd_rms vs Slug



Right In: 863.661+/-0.231 χ^2/NDF: 407498.5/15

Left Out: 1116.277+/-0.190 χ^2/NDF:357707.0/21

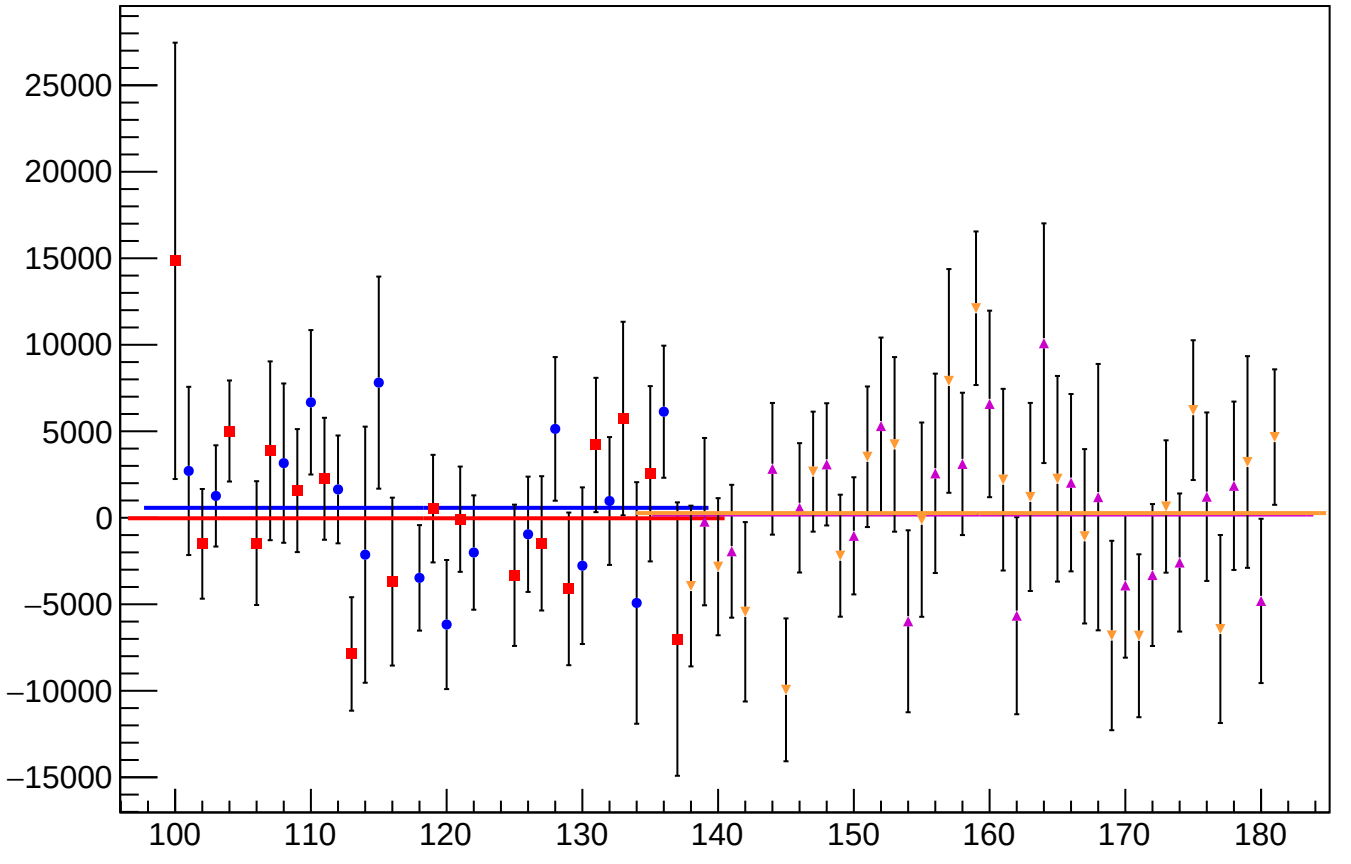
Right Out: 853.289+/-0.226 χ^2/NDF: 275357.1/17

Left In: 1120.614+/-0.192 χ^2/NDF:352797.4/20

+ sign 1014.380+/-0.147 χ^2/NDF: 1480723.8/37

All: 1011.638+/-0.104 χ^2/NDF: 2921197.8/76

- sign 1008.902+/-0.146 χ^2/NDF: 1439774.2/38



Right In: 574.964+/-979.856 χ^2/NDF: 14.7/15

Left Out: 270.750+/-977.143 χ^2/NDF:29.0/21

Right Out: -28.604+/-922.115 χ^2/NDF: 17.2/17

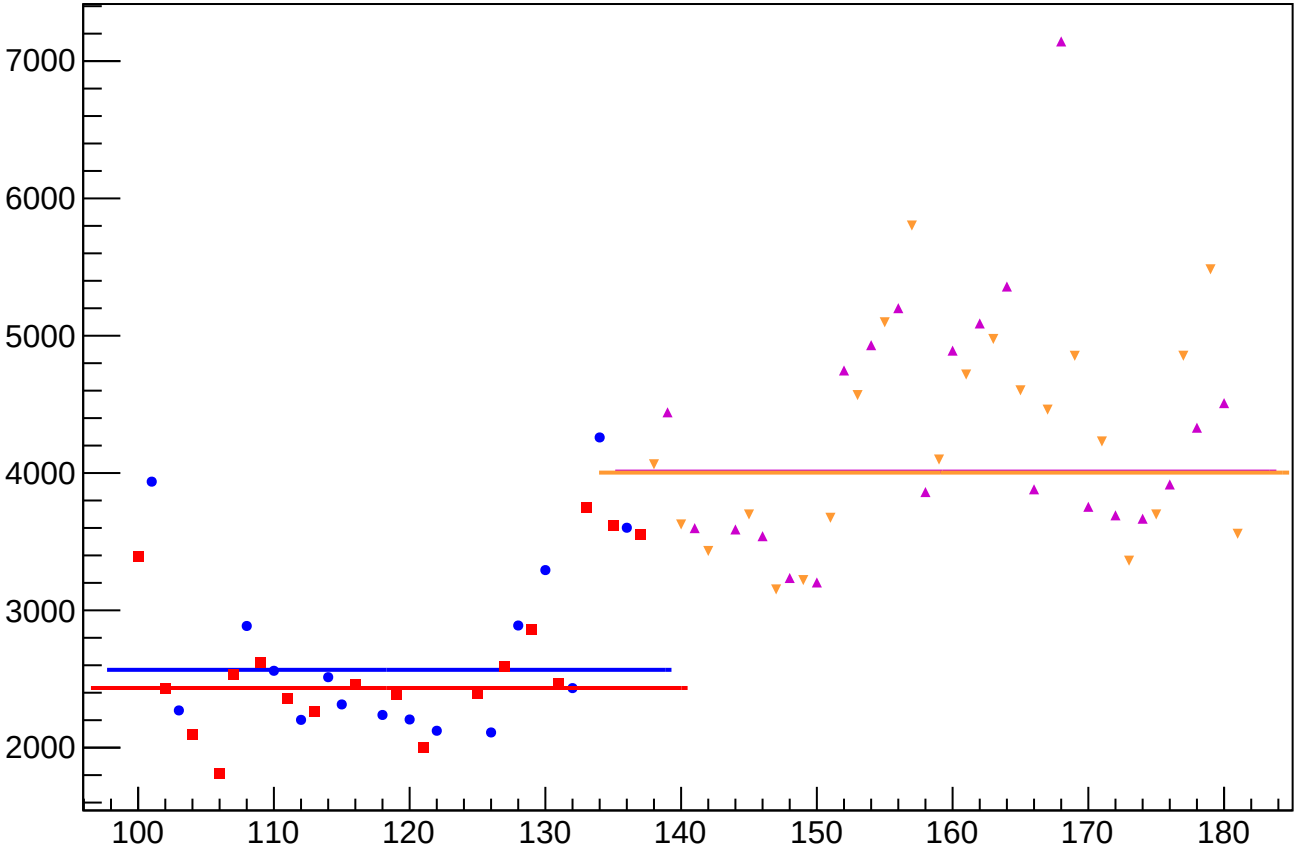
Left In: 187.522+/-984.686 χ^2/NDF:12.8/20

+ sign 422.435+/-691.902 χ^2/NDF: 43.7/37

All: 242.576+/-482.452 χ^2/NDF: 73.8/76

- sign 72.375+/-673.068 χ^2/NDF: 30.0/38

asym_usl_atl2_dd_cor_correction_rms vs Slug



Right In: 2566.732+/-0.693 χ^2/NDF: 665871.6/15

Left Out: 4003.141+/-0.691 χ^2/NDF:993186.8/21

Right Out: 2434.430+/-0.652 χ^2/NDF: 434078.9/17

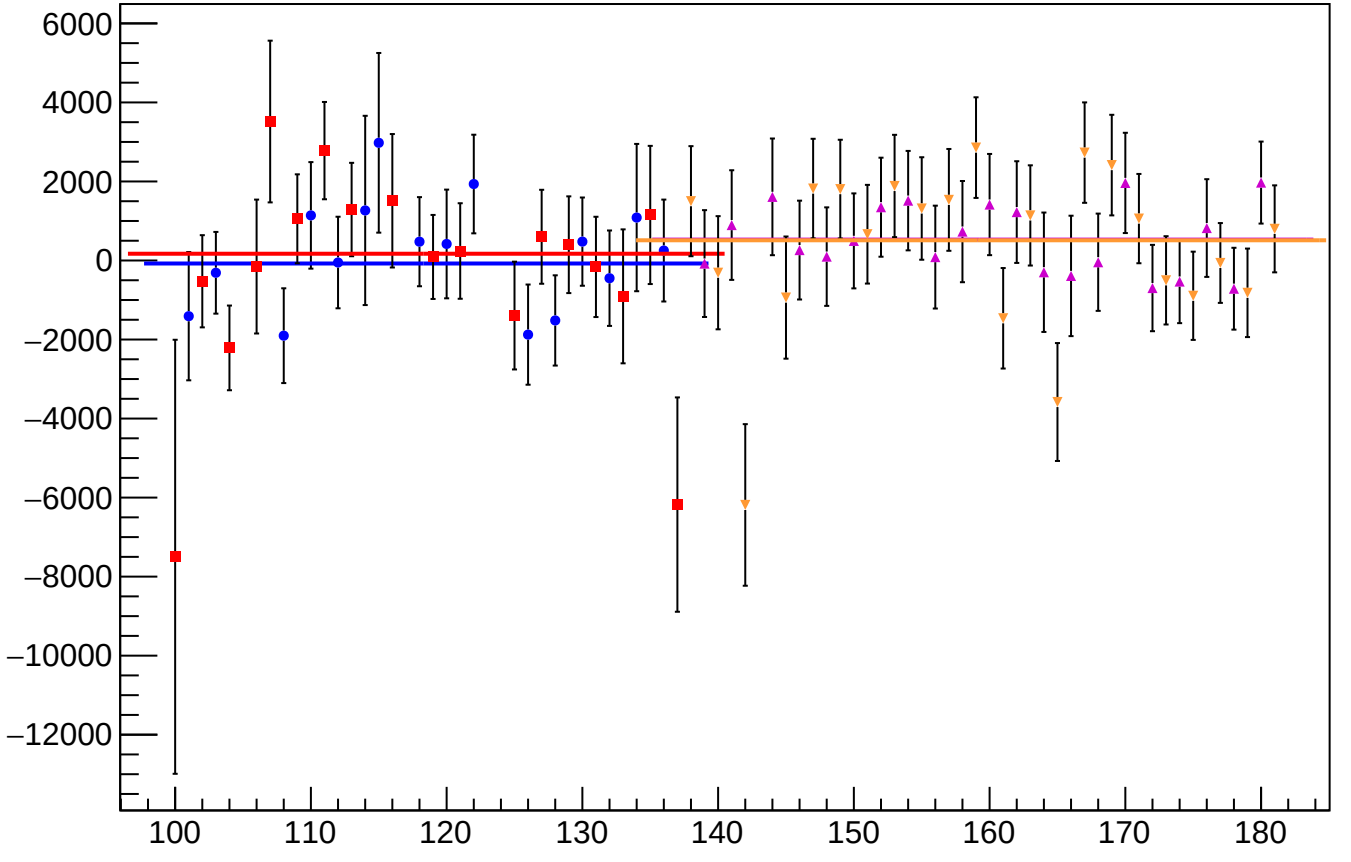
Left In: 4010.408+/-0.696 χ^2/NDF:1094844.5/20

+ sign 3286.928+/-0.489 χ^2/NDF: 3813992.4/37

All: 3227.241+/-0.341 χ^2/NDF: 8101378.0/76

- sign 3170.760+/-0.476 χ^2/NDF: 4258418.3/38

eigen_cor_asym_usl_atl2_dd_mean vs Slug



Right In: -76.022+/-326.226 χ^2/NDF: 13.3/15

Left Out: 511.504+/-268.235 χ^2/NDF:40.1/21

Right Out: 170.982+/-321.832 χ^2/NDF: 24.4/17

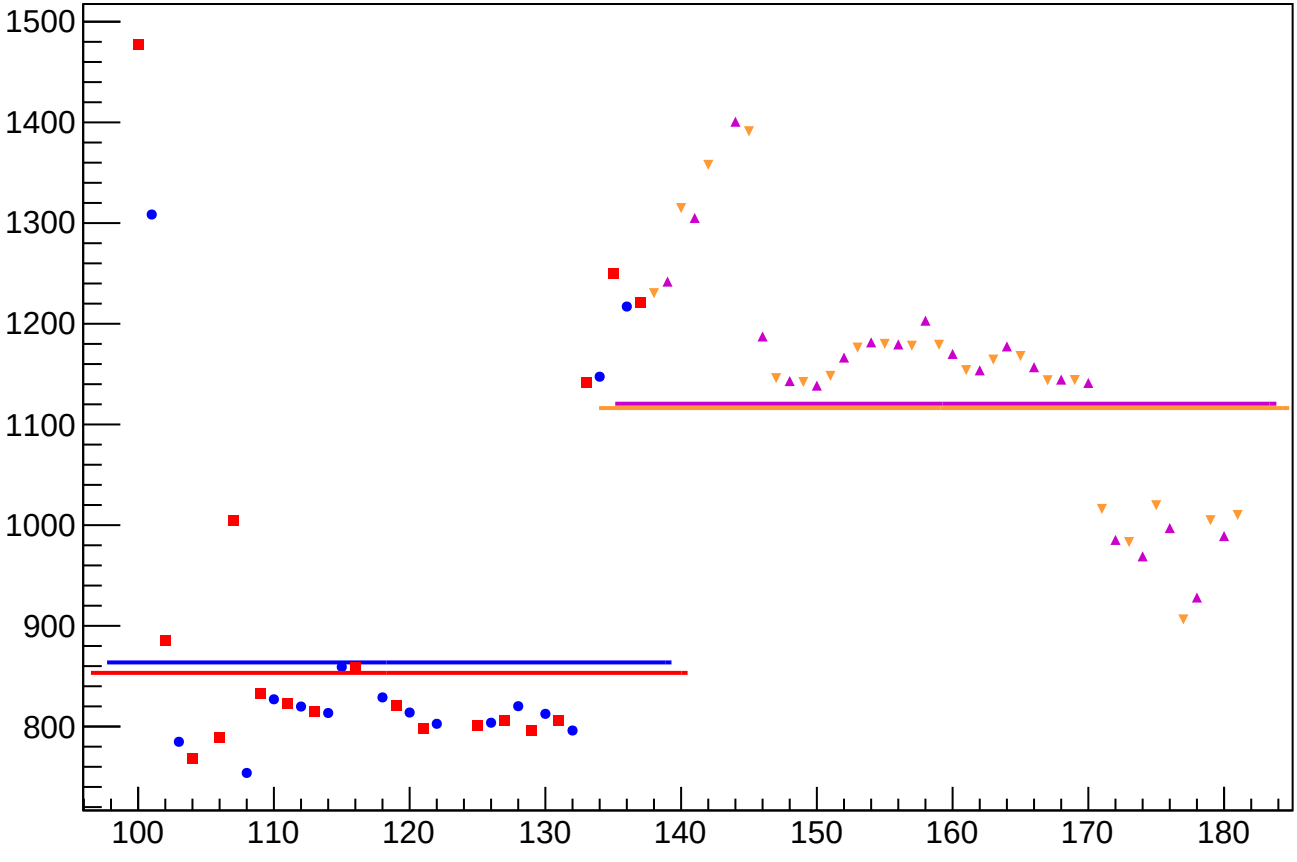
Left In: 528.577+/-271.274 χ^2/NDF:10.8/20

+ sign 274.516+/-207.190 χ^2/NDF: 55.3/37

All: 327.221+/-146.586 χ^2/NDF: 91.3/76

- sign 380.042+/-207.419 χ^2/NDF: 35.9/38

eigen_cor_asym_usl_atl2_dd_rms vs Slug



Right In: 863.661+/-0.231 χ^2/NDF: 407498.5/15

Left Out: 1116.277+/-0.190 χ^2/NDF:357707.0/21

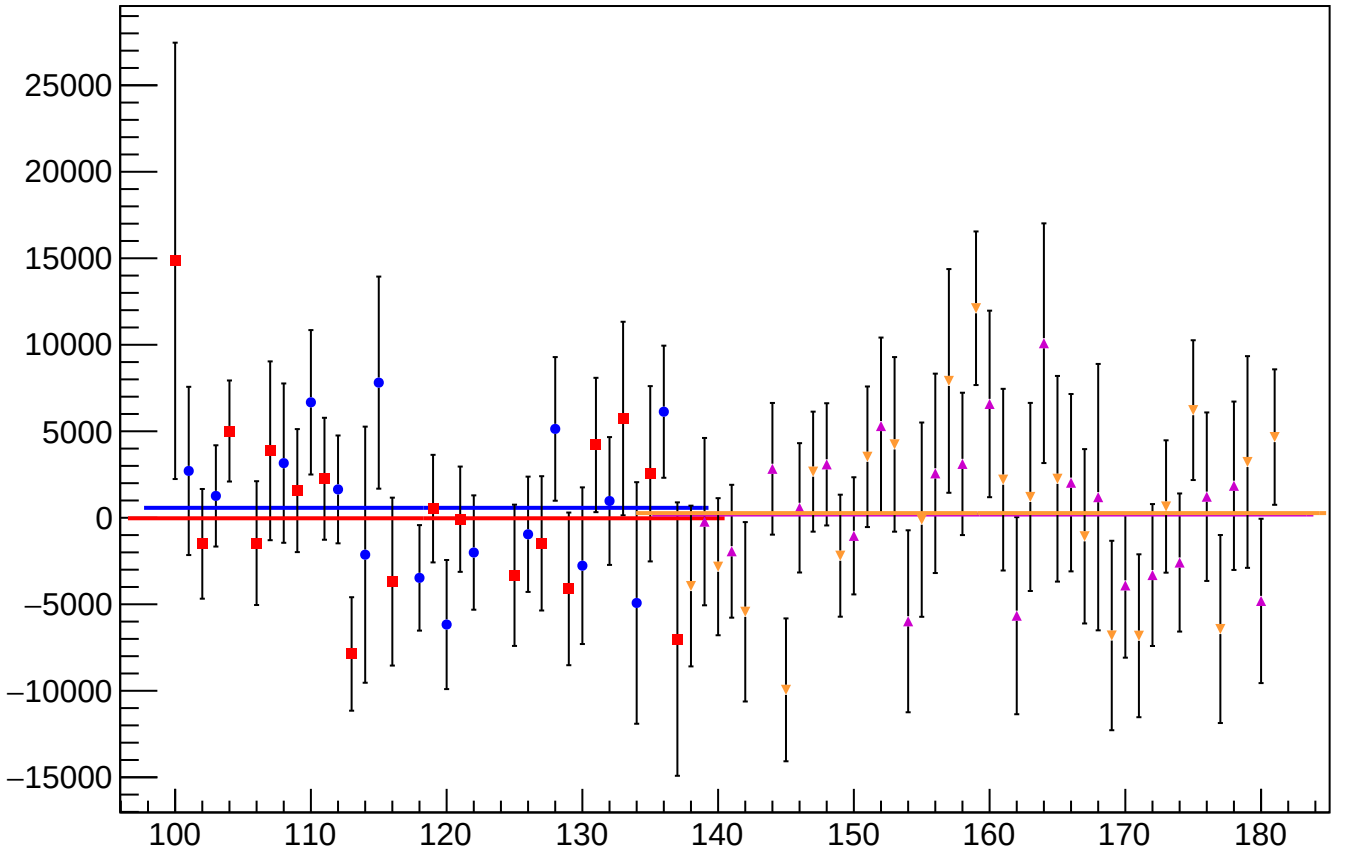
Right Out: 853.289+/-0.226 χ^2/NDF: 275357.1/17

Left In: 1120.614+/-0.192 χ^2/NDF:352797.4/20

+ sign 1014.380+/-0.147 χ^2/NDF: 1480723.8/37

All: 1011.638+/-0.104 χ^2/NDF: 2921197.8/76

- sign 1008.902+/-0.146 χ^2/NDF: 1439774.2/38



Right In: 574.964+/-979.856 χ^2/NDF: 14.7/15

Left Out: 270.750+/-977.143 χ^2/NDF:29.0/21

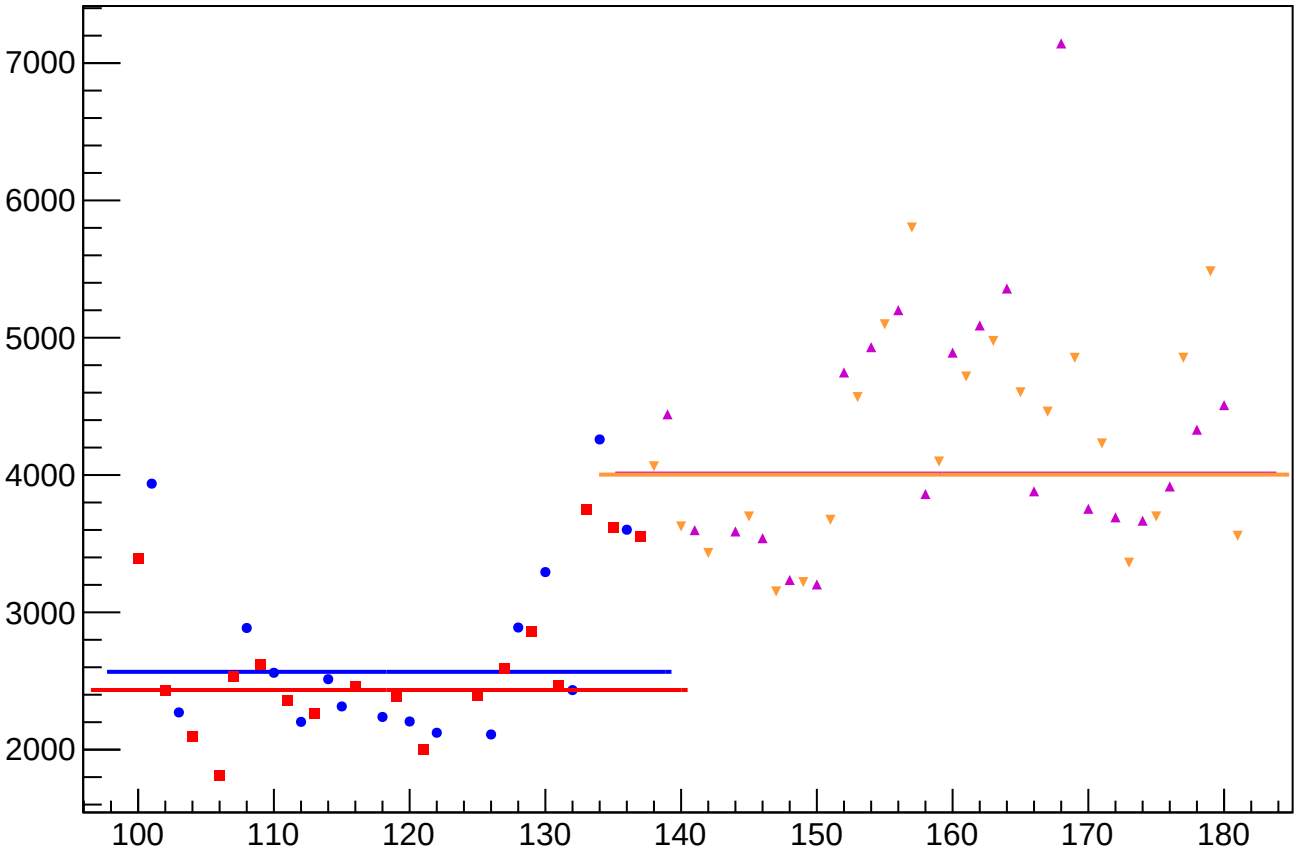
Right Out: -28.604+/-922.115 χ^2/NDF: 17.2/17

Left In: 187.522+/-984.686 χ^2/NDF:12.8/20

+ sign 422.435+/-691.902 χ^2/NDF: 43.7/37

All: 242.576+/-482.452 χ^2/NDF: 73.8/76

- sign 72.375+/-673.068 χ^2/NDF: 30.0/38



Right In: 2566.732+/-0.693 χ^2/NDF: 665871.6/15

Left Out: 4003.141+/-0.691 χ^2/NDF:993186.8/21

Right Out: 2434.430+/-0.652 χ^2/NDF: 434078.9/17

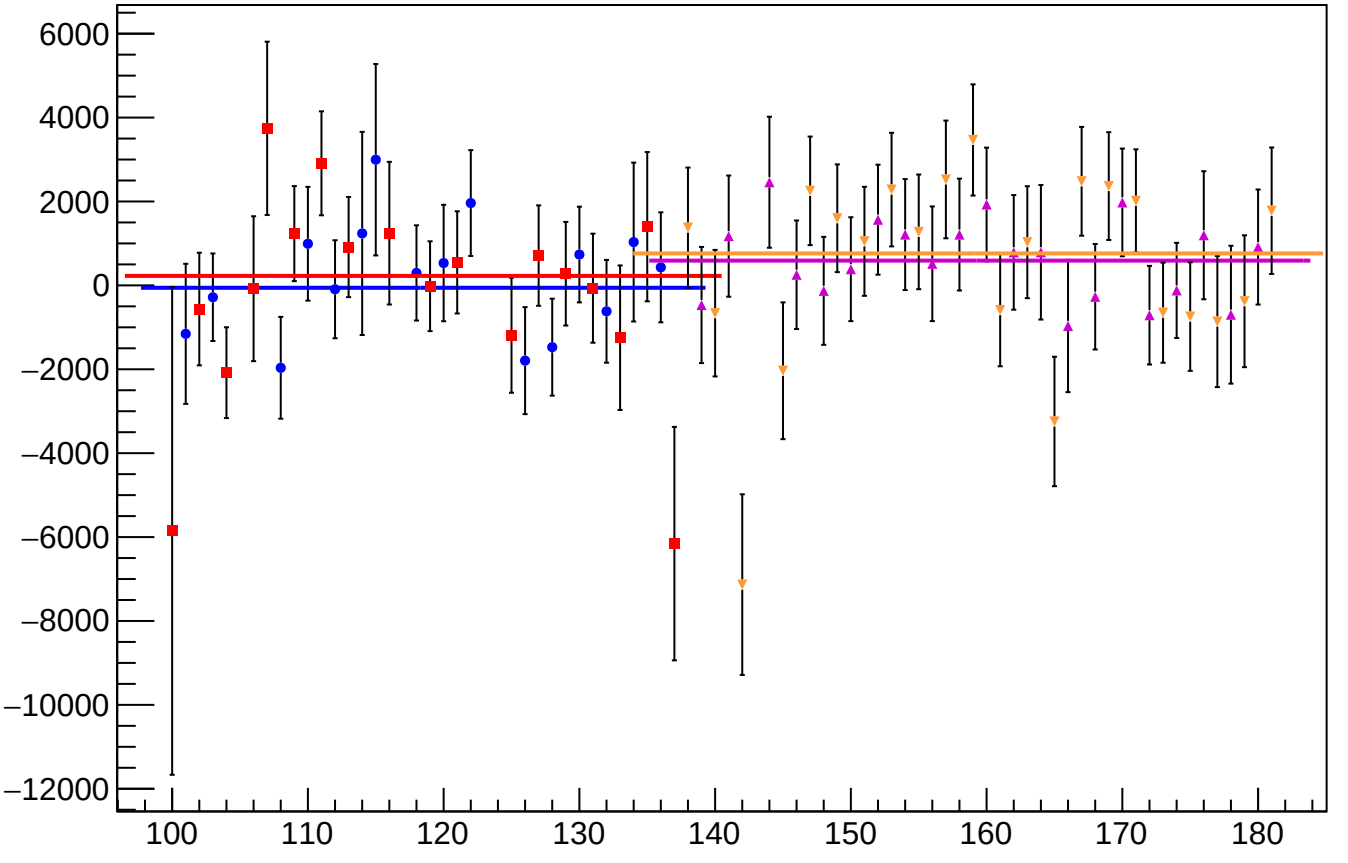
Left In: 4010.408+/-0.696 χ^2/NDF:1094844.5/20

+ sign 3286.928+/-0.489 χ^2/NDF: 3813992.4/37

All: 3227.241+/-0.341 χ^2/NDF: 8101378.0/76

- sign 3170.760+/-0.476 χ^2/NDF: 4258418.3/38

dit_asym_usl_atl2_dd_mean vs Slug



Right In: -57.208+/-330.088 χ^2/NDF: 13.0/15

Left Out: 761.742+/-295.770 χ^2/NDF:43.4/21

Right Out: 226.075+/-328.069 χ^2/NDF: 22.9/17

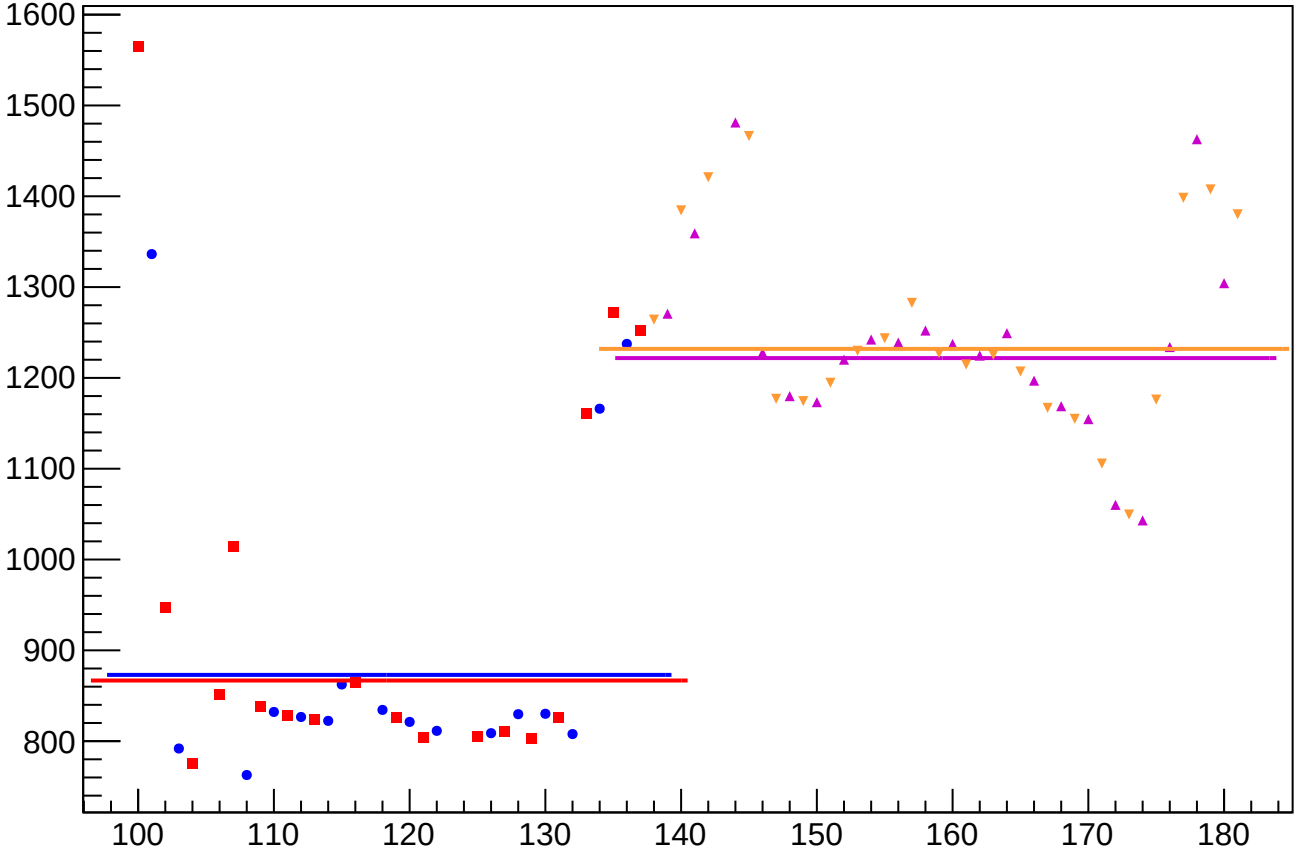
Left In: 590.167+/-295.396 χ^2/NDF:9.7/20

+ sign 397.038+/-220.278 χ^2/NDF: 59.8/37

All: 412.145+/-155.492 χ^2/NDF: 93.1/76

- sign 427.148+/-219.522 χ^2/NDF: 33.3/38

dit_asym_usl_atl2_dd_rms vs Slug



Right In: 872.971+/-0.233 χ^2/NDF: 417099.2/15

Left Out: 1231.951+/-0.209 χ^2/NDF:241942.2/21

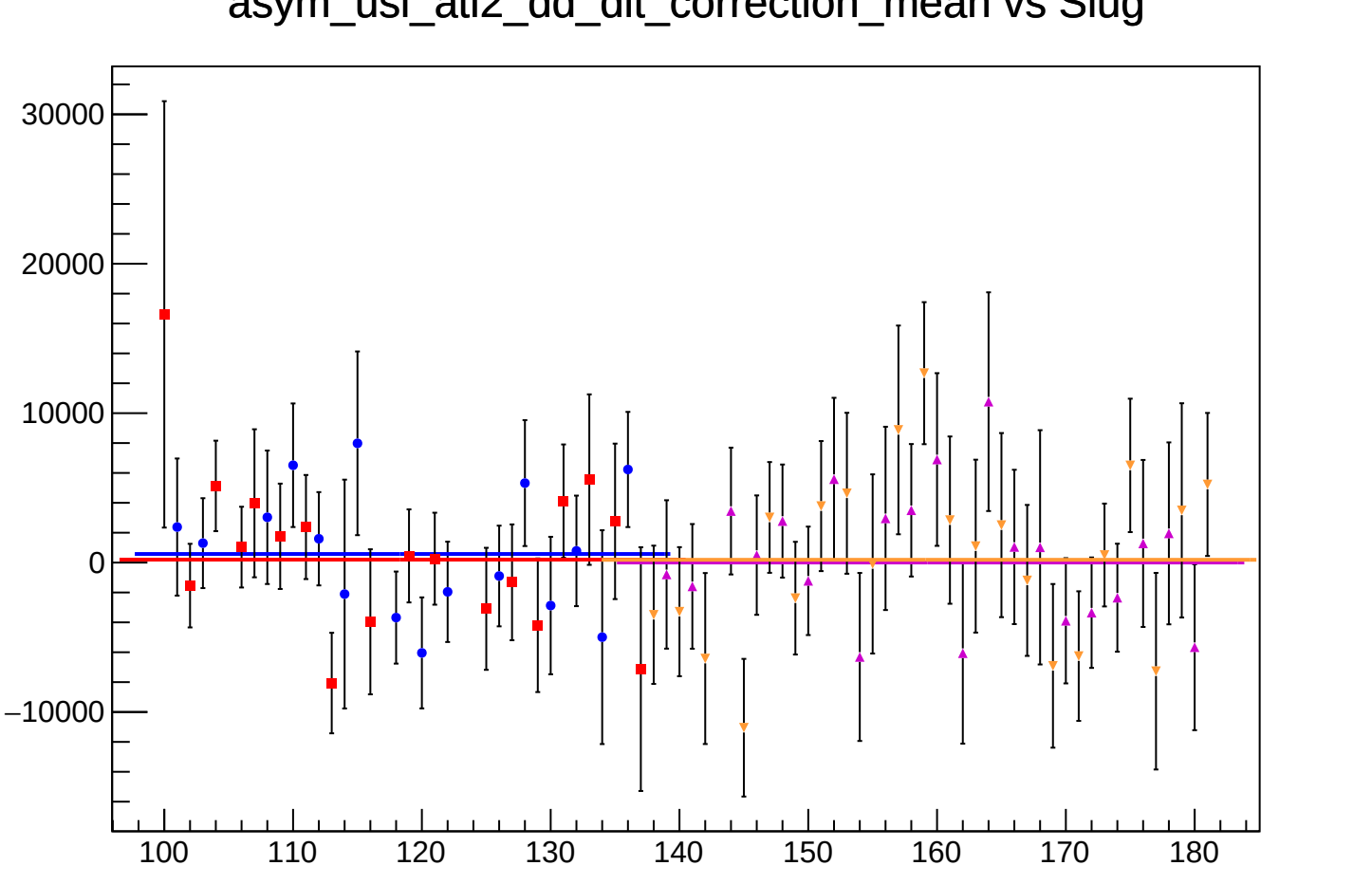
Right Out: 866.772+/-0.232 χ^2/NDF: 290386.4/17

Left In: 1221.823+/-0.209 χ^2/NDF:231121.0/20

+ sign 1072.086+/-0.156 χ^2/NDF: 1971070.6/37

All: 1067.364+/-0.110 χ^2/NDF: 3789499.4/76

- sign 1062.679+/-0.155 χ^2/NDF: 1816598.0/38



Right In: 575.271+/-984.888 χ^2/NDF: 14.7/15

Left Out: 186.378+/-1033.807 χ^2/NDF:28.4/21

Right Out: 197.953+/-894.121 χ^2/NDF: 17.2/17

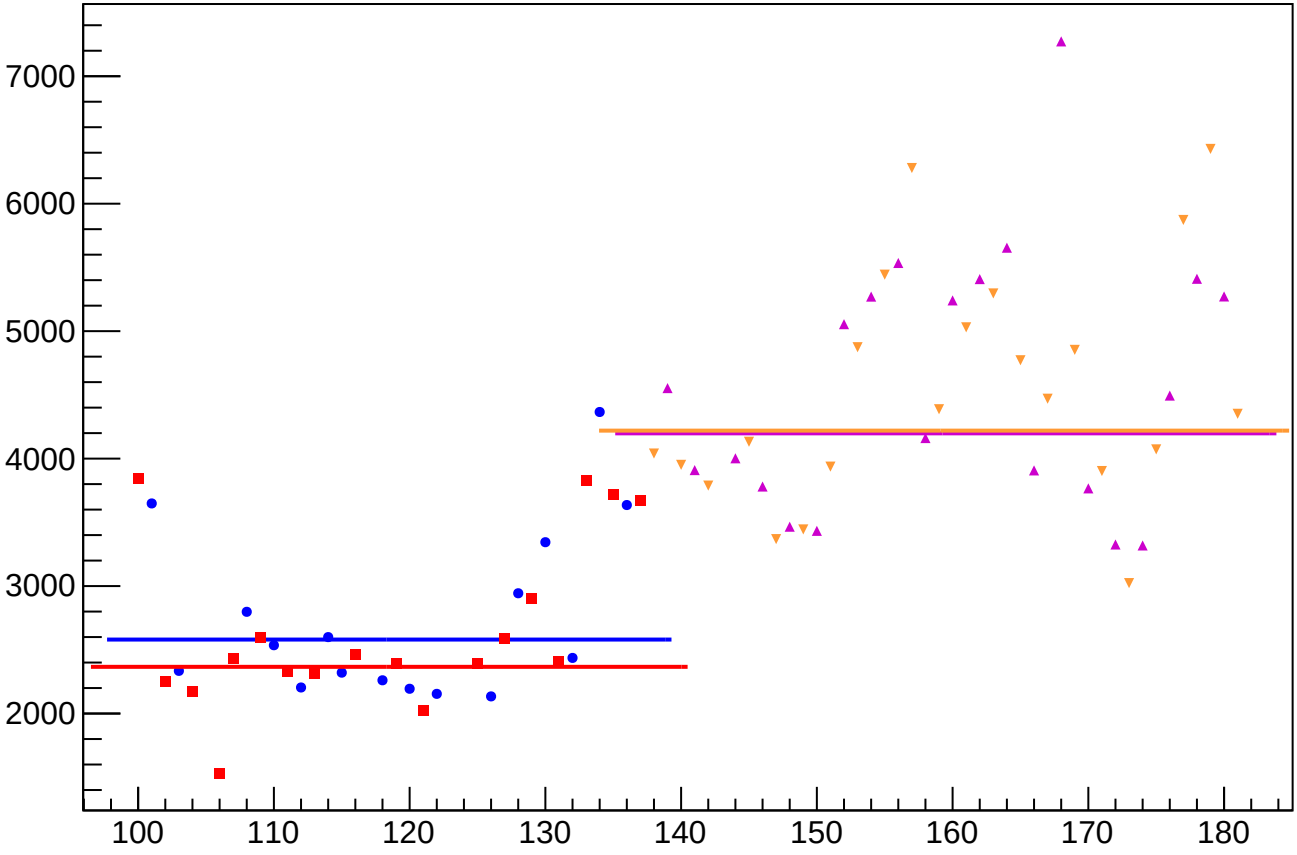
Left In: 7.510+/-1035.489 χ^2/NDF:12.6/20

\+ sign 390.243+/-713.088 χ^2/NDF: 43.2/37

All: 246.276+/-490.876 χ^2/NDF: 73.1/76

\- sign 116.610+/-676.745 χ^2/NDF: 29.8/38

asym_usl_atl2_dd_dit_correction_rms vs Slug



Right In: 2580.377+/-0.696 χ^2/NDF: 617156.1/15

Left Out: 4219.565+/-0.731 χ^2/NDF:1241874.7/21

Right Out: 2366.412+/-0.632 χ^2/NDF: 611695.1/17

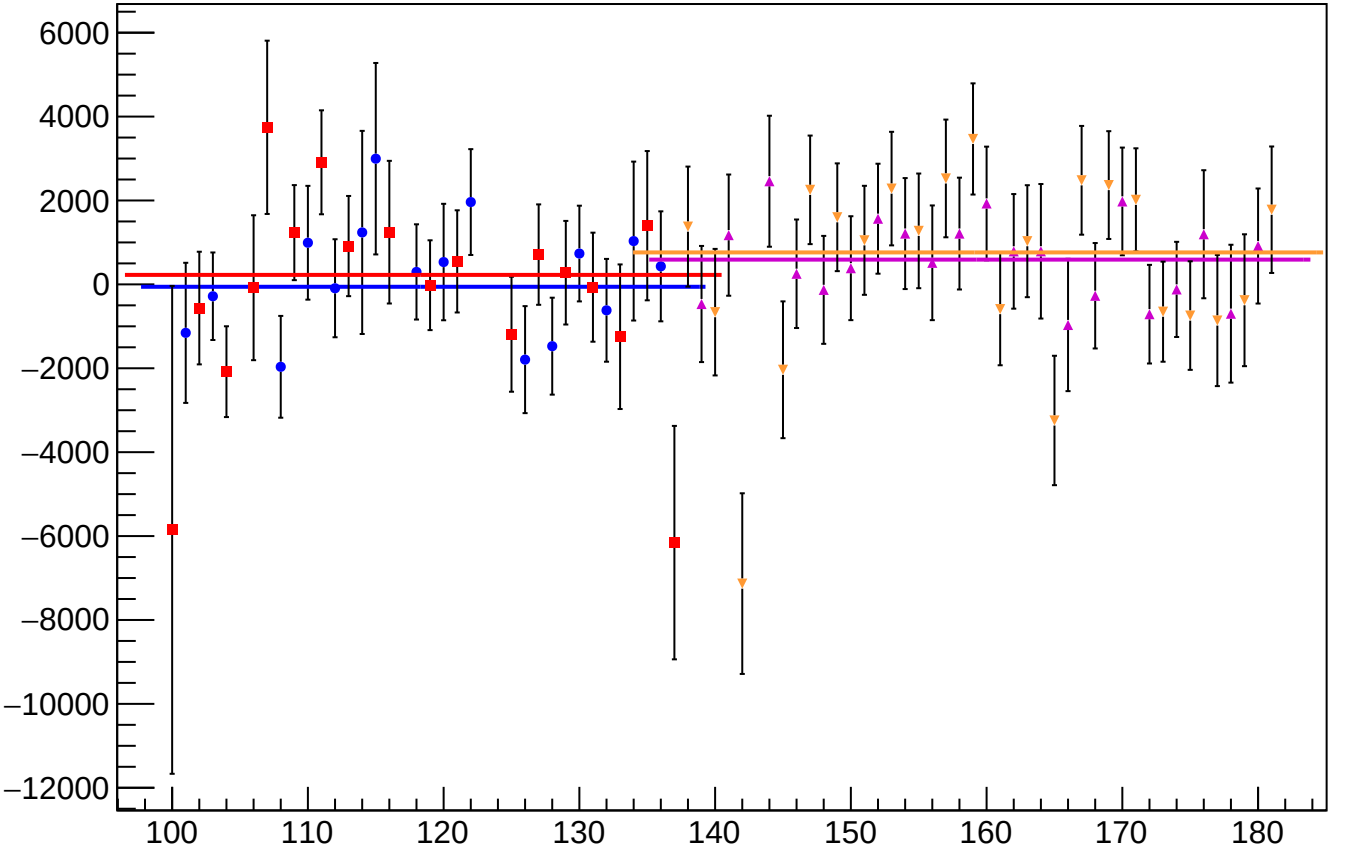
Left In: 4198.229+/-0.732 χ^2/NDF:1376310.3/20

\+ sign 3360.272+/-0.504 χ^2/NDF: 4494885.8/37

All: 3249.028+/-0.347 χ^2/NDF: 10160990.8/7

\- sign 3148.834+/-0.479 χ^2/NDF: 5573591.5/38

eigen_dit_asym_usl_atl2_dd_mean vs Slug



Right In: -57.211+/-330.088 χ^2/NDF: 13.0/15

Left Out: 761.743+/-295.771 χ^2/NDF:43.4/21

Right Out: 226.078+/-328.069 χ^2/NDF: 22.9/17

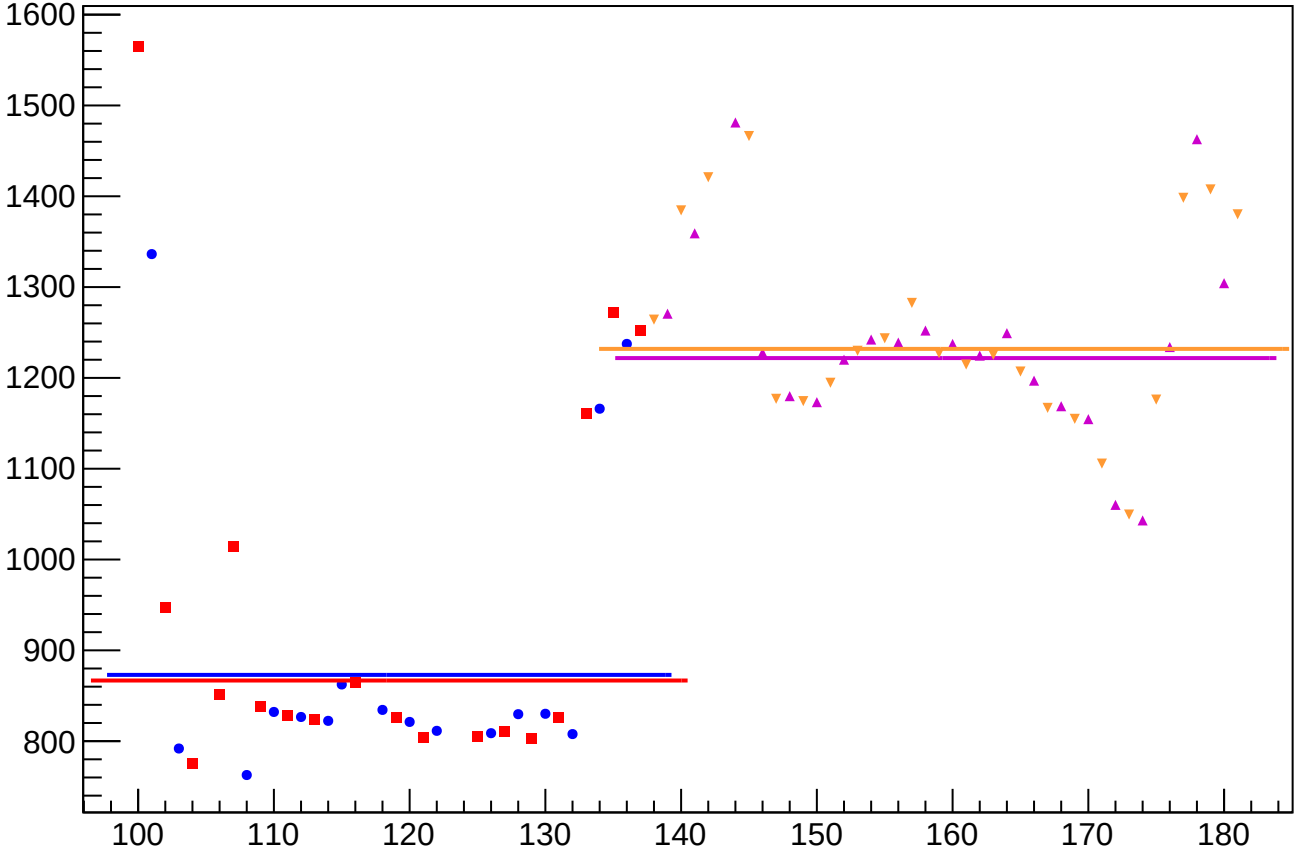
Left In: 590.165+/-295.397 χ^2/NDF:9.7/20

+ sign 397.037+/-220.278 χ^2/NDF: 59.8/37

All: 412.145+/-155.492 χ^2/NDF: 93.1/76

- sign 427.149+/-219.522 χ^2/NDF: 33.3/38

eigen_dit_asym_usl_atl2_dd_rms vs Slug



Right In: 872.972+/-0.233 χ^2/NDF: 417098.9/15

Left Out: 1231.952+/-0.209 χ^2/NDF:241954.8/21

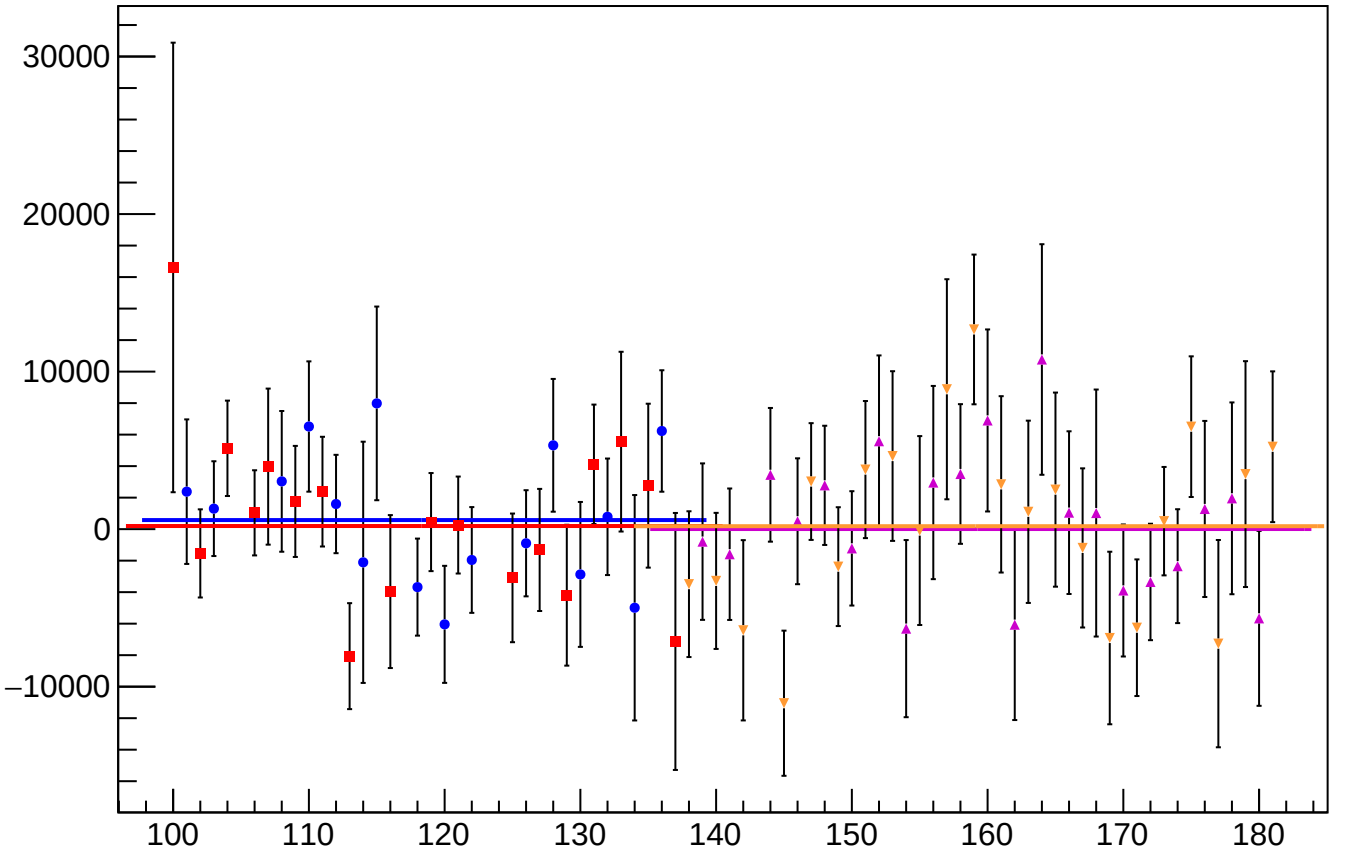
Right Out: 866.772+/-0.232 χ^2/NDF: 290386.6/17

Left In: 1221.824+/-0.209 χ^2/NDF:231132.1/20

+ sign 1072.086+/-0.156 χ^2/NDF: 1971087.5/37

All: 1067.365+/-0.110 χ^2/NDF: 3789532.8/76

- sign 1062.679+/-0.155 χ^2/NDF: 1816614.5/38



Right In: 575.266+/-984.885 χ^2/NDF: 14.7/15

Left Out: 186.379+/-1033.809 χ^2/NDF:28.4/21

Right Out: 197.955+/-894.119 χ^2/NDF: 17.2/17

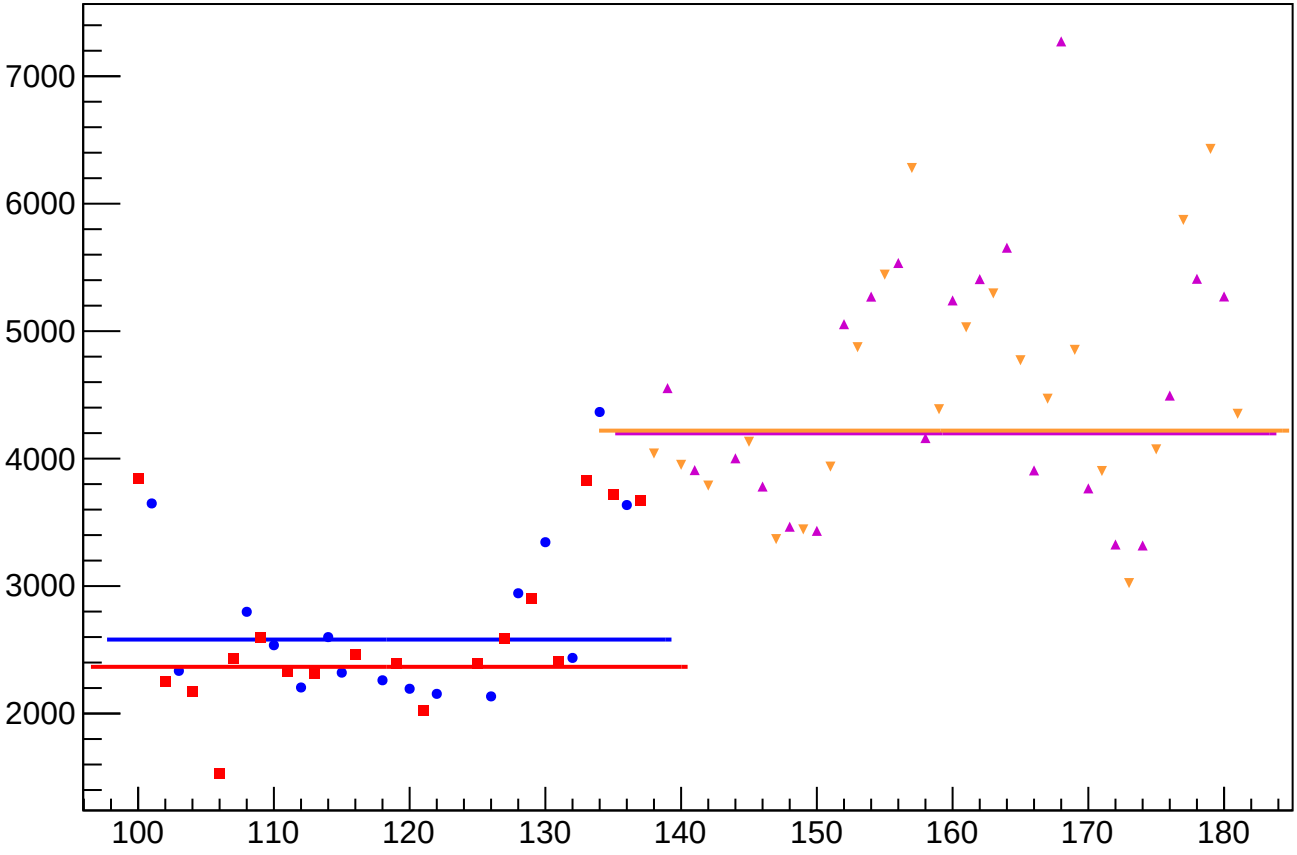
Left In: 7.511+/-1035.491 χ^2/NDF:12.6/20

\+ sign 390.242+/-713.088 χ^2/NDF: 43.2/37

All: 246.276+/-490.876 χ^2/NDF: 73.1/76

\- sign 116.611+/-676.744 χ^2/NDF: 29.8/38

asym_usl_atl2_dd_eigen_dit_correction_rms vs Slug



Right In: 2580.368+/-0.696 χ^2/NDF: 617163.3/15

Left Out: 4219.574+/-0.731 χ^2/NDF:1241873.7/21

Right Out: 2366.405+/-0.632 χ^2/NDF: 611698.8/17

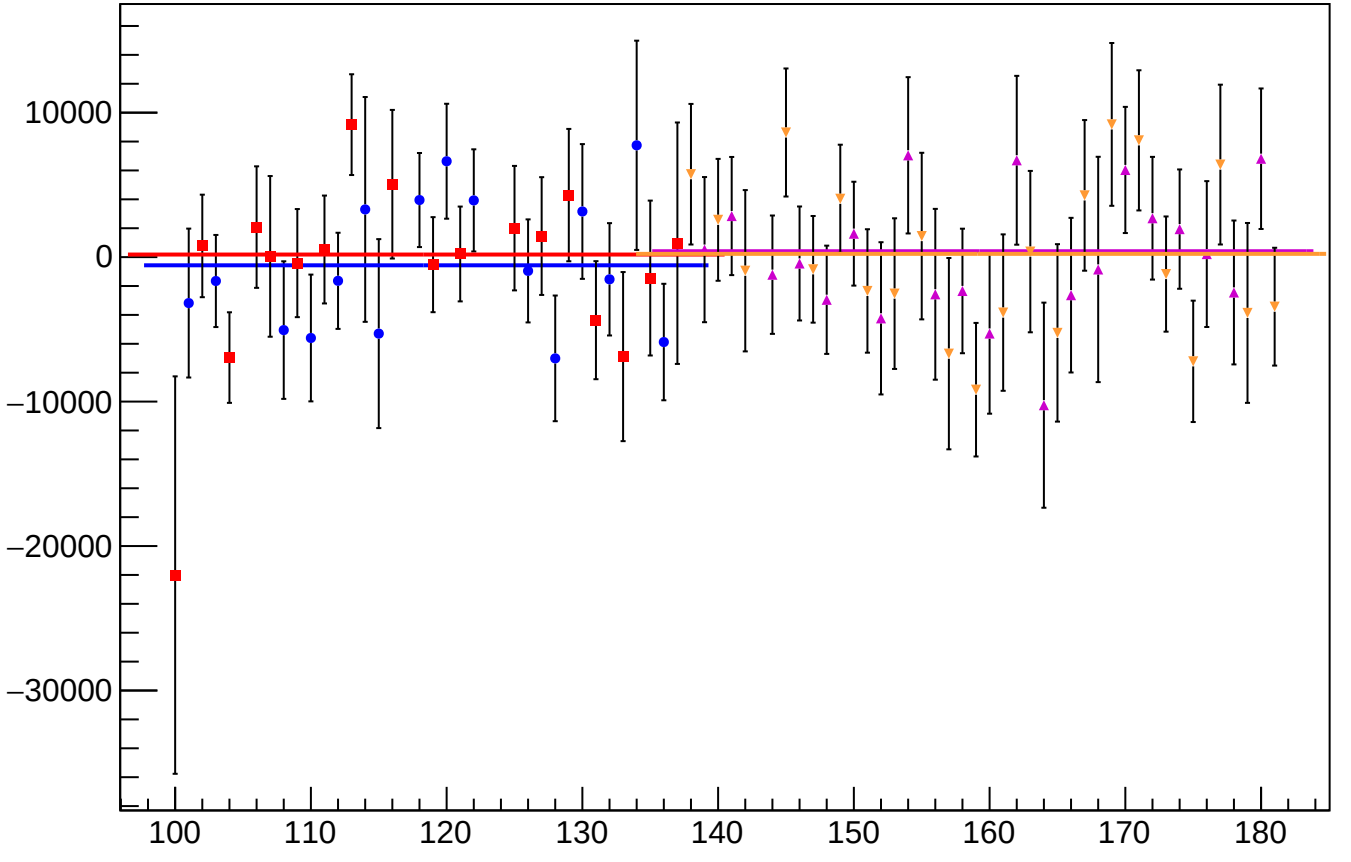
Left In: 4198.237+/-0.732 χ^2/NDF:1376311.0/20

+ sign 3360.268+/-0.504 χ^2/NDF: 4494947.3/37

All: 3249.023+/-0.347 χ^2/NDF: 10161114.3/7

- sign 3148.829+/-0.479 χ^2/NDF: 5573653.1/38

asym_usl_atl2_dd_mean vs Slug



Right In: -566.096+/-1040.314 χ^2/NDF: 16.2/15

Left Out: 225.793+/-1021.100 χ^2/NDF:25.1/21

Right Out: 178.586+/-988.392 χ^2/NDF: 19.5/17

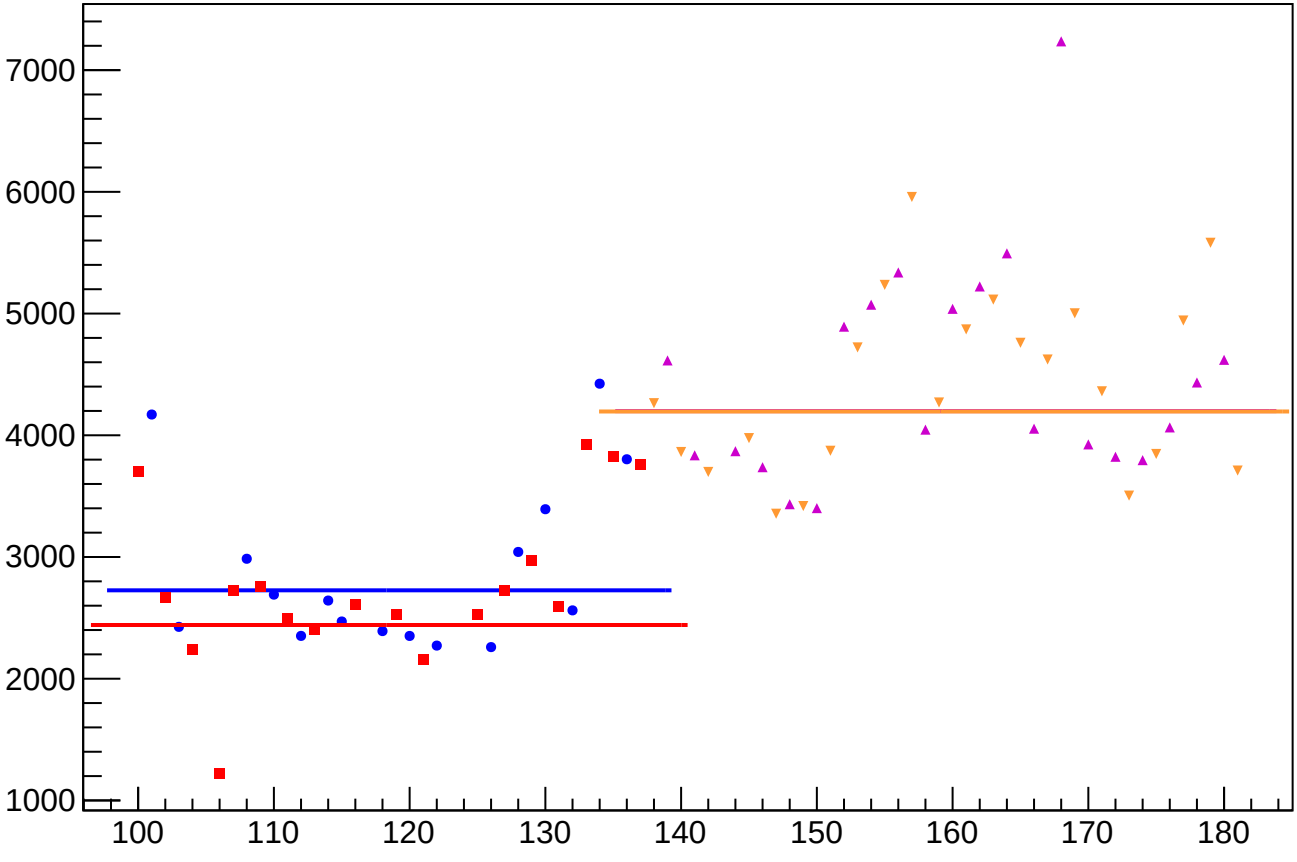
Left In: 407.971+/-1028.277 χ^2/NDF:13.4/20

+ sign -162.771+/-728.725 χ^2/NDF: 41.6/37

All: 68.043+/-509.483 χ^2/NDF: 74.8/76

- sign 288.744+/-712.582 χ^2/NDF: 32.9/38

asym_usl_atl2_dd_rms vs Slug



Right In: 2726.231+/-0.736 χ^2/NDF: 623079.8/15

Left Out: 4195.467+/-0.722 χ^2/NDF:859012.7/21

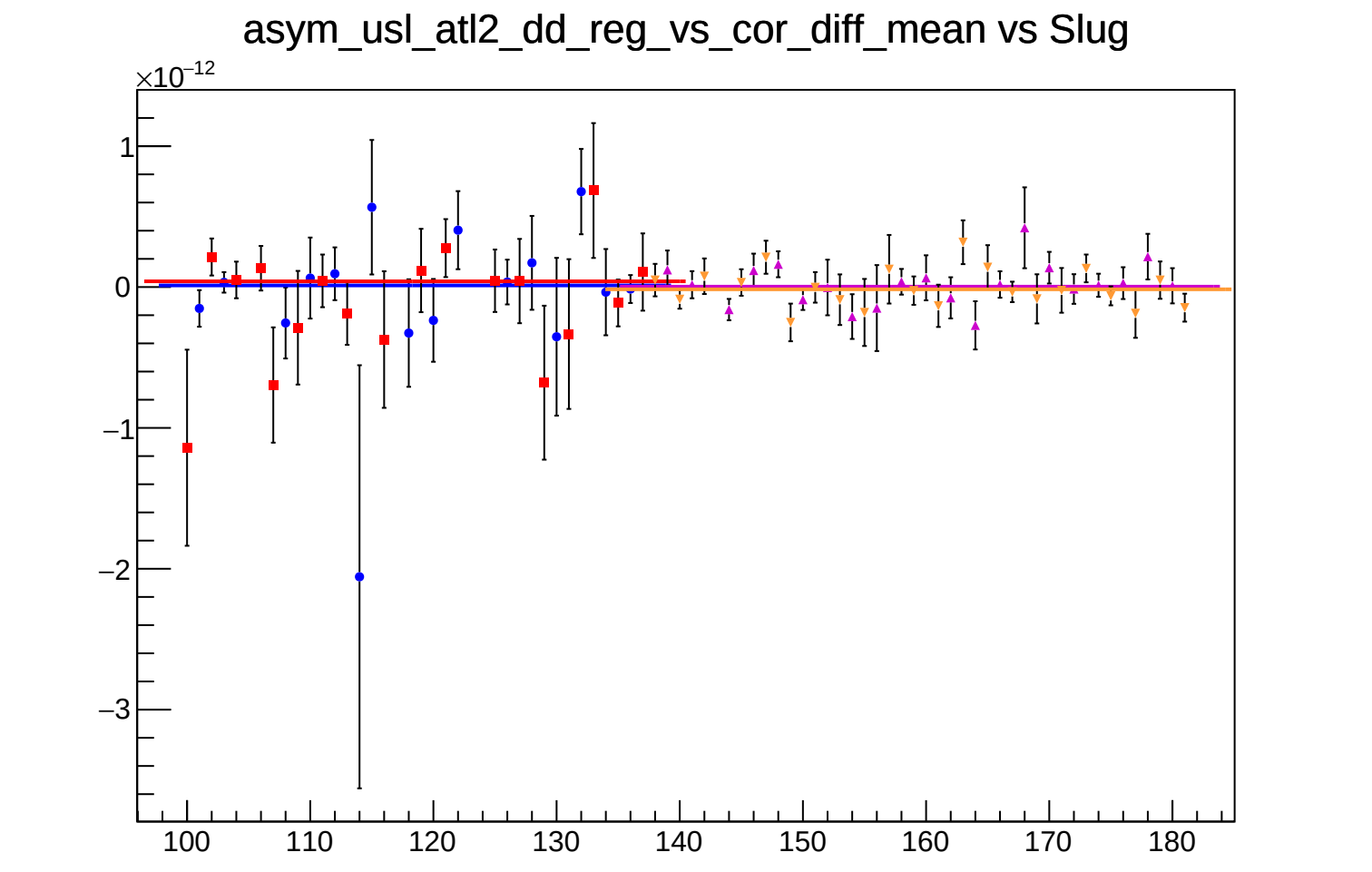
Right Out: 2441.363+/-0.667 χ^2/NDF: 891132.7/17

Left In: 4198.548+/-0.727 χ^2/NDF:957229.7/20

+ sign 3474.541+/-0.515 χ^2/NDF: 3513866.7/37

All: 3353.964+/-0.356 χ^2/NDF: 8638595.8/76

- sign 3244.264+/-0.491 χ^2/NDF: 5020156.0/38



Right In: 0.000+/-0.000 χ^2/NDF: 15.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:22.2/21

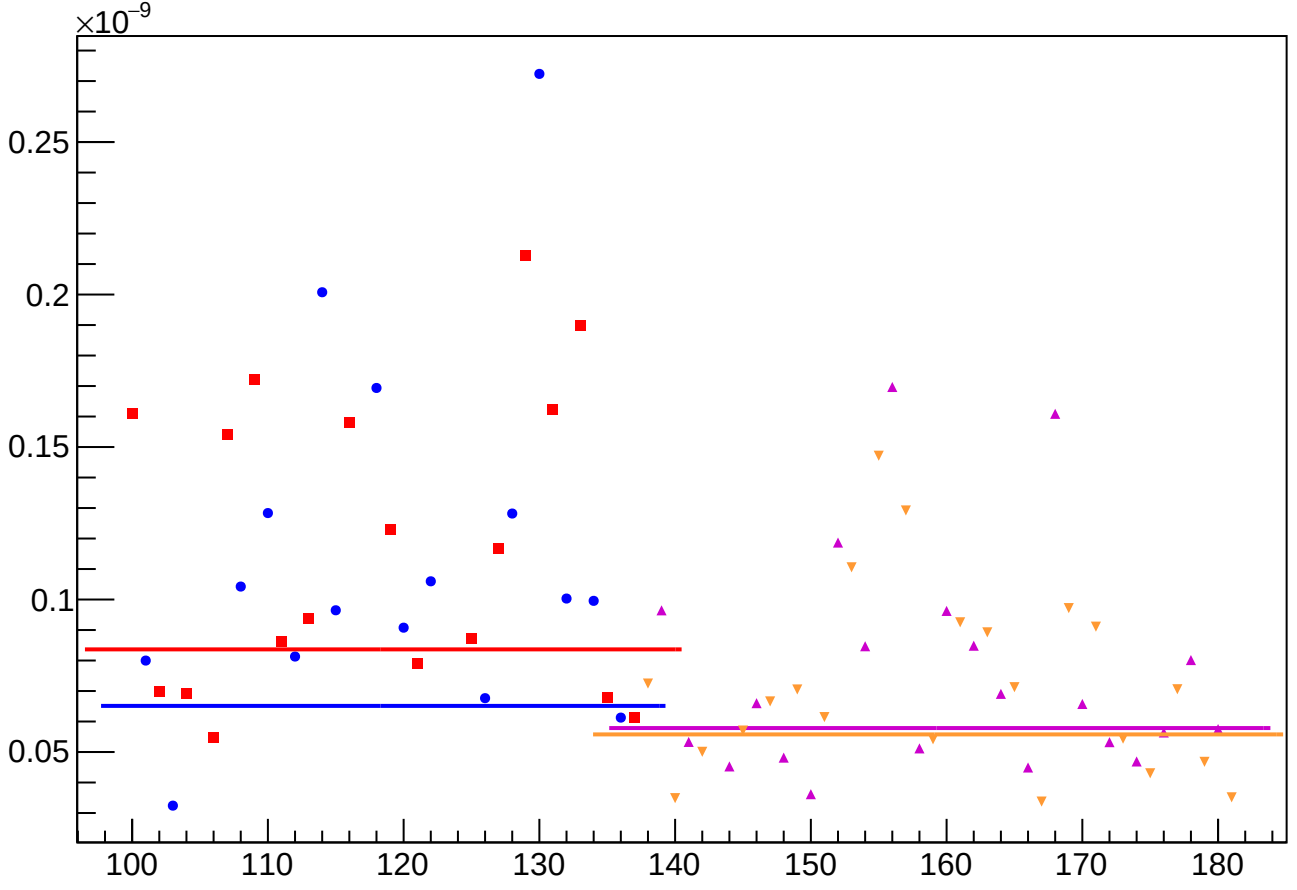
Right Out: 0.000+/-0.000 χ^2/NDF: 17.0/17

Left In: 0.000+/-0.000 χ^2/NDF:21.5/20

\+ sign -0.000+/-0.000 χ^2/NDF: 37.9/37

All: -0.000+/-0.000 χ^2/NDF: 77.2/76

\- sign 0.000+/-0.000 χ^2/NDF: 38.9/38



Right In: 0.000+/-0.000 χ^2/NDF: 1222613.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1761580.6/21

Right Out: 0.000+/-0.000 χ^2/NDF: 691494.7/17

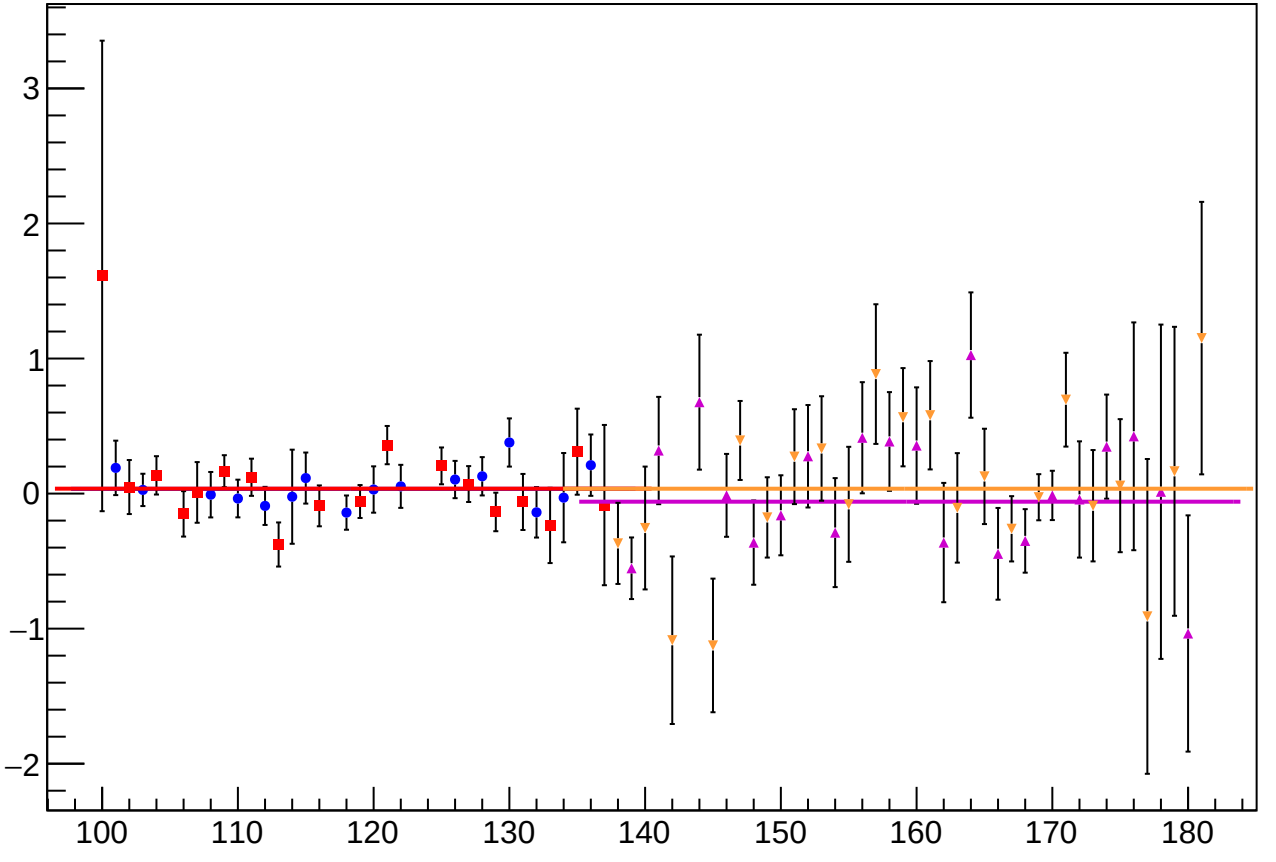
Left In: 0.000+/-0.000 χ^2/NDF:1525939.4/20

+ sign 0.000+/-0.000 χ^2/NDF: 3053828.5/37

All: 0.000+/-0.000 χ^2/NDF: 5700014.0/76

- sign 0.000+/-0.000 χ^2/NDF: 2603209.9/38

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: 0.036+/-0.077 χ^2/NDF:28.2/21

Right Out: 0.036+/-0.039 χ^2/NDF: 22.0/17

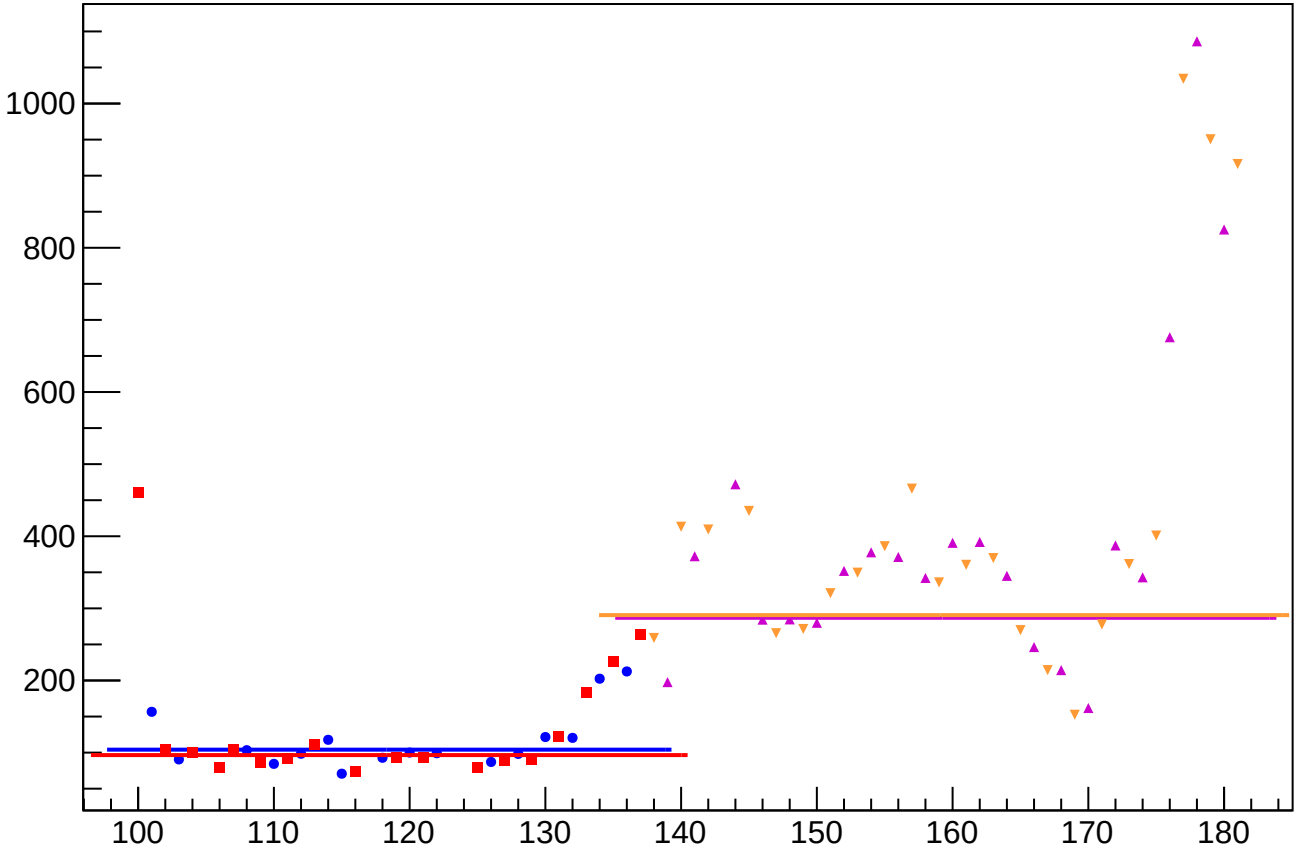
Left In: -0.060+/-0.075 χ^2/NDF:25.2/20

+ sign 0.035+/-0.036 χ^2/NDF: 38.0/37

All: 0.025+/-0.025 χ^2/NDF: 86.7/76

- sign 0.016+/-0.035 χ^2/NDF: 48.5/38

asym_usl_atl2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 104.099+/-0.029 χ^2/NDF: 989856.1/15

Left Out: 290.632+/-0.054 χ^2/NDF:5016164.7/21

Right Out: 96.569+/-0.028 χ^2/NDF: 955547.2/17

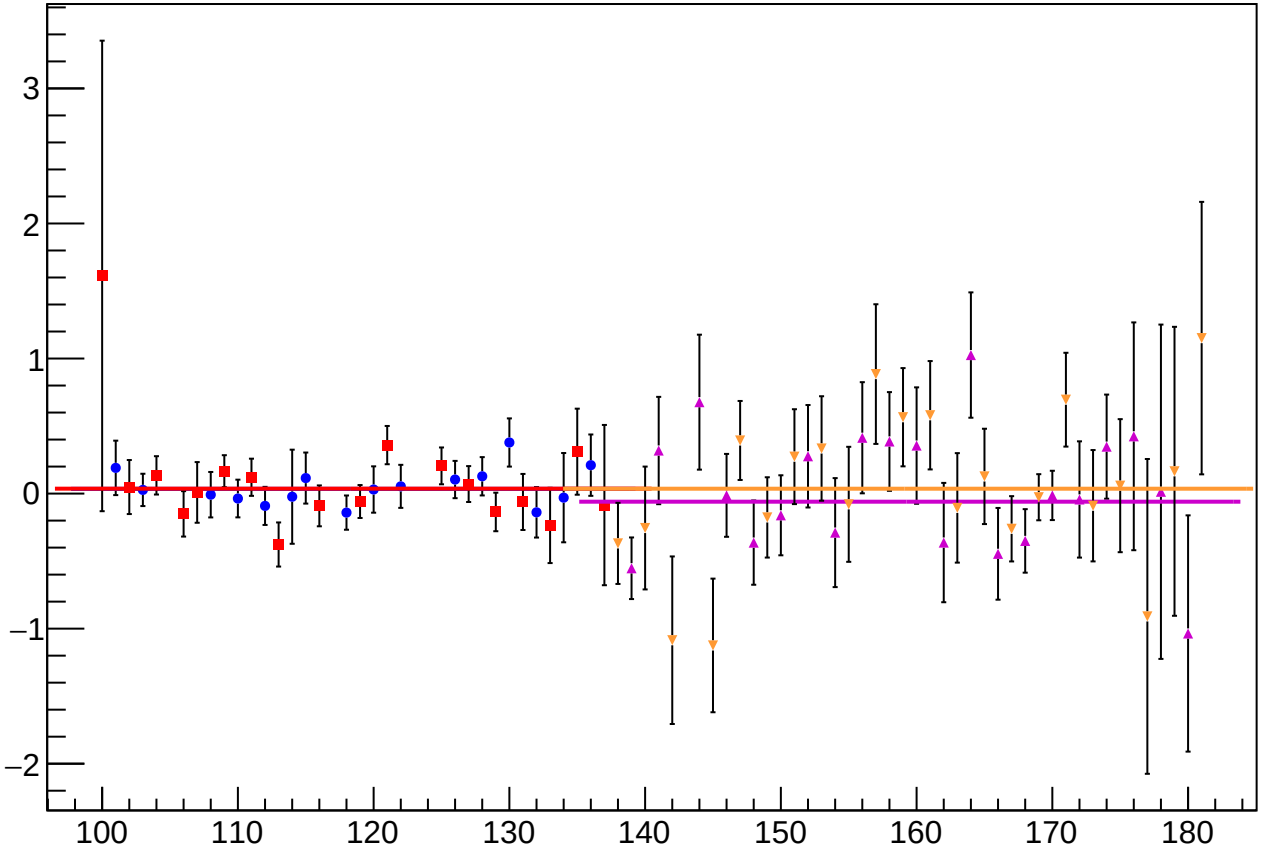
Left In: 286.964+/-0.053 χ^2/NDF:4552022.9/20

+ sign 145.579+/-0.026 χ^2/NDF: 15197801.6/37

All: 140.867+/-0.018 χ^2/NDF: 30835268.0/76

- sign 136.566+/-0.024 χ^2/NDF: 15572596.5/38

asym_usl_atl2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: 0.036+/-0.077 χ^2/NDF:28.2/21

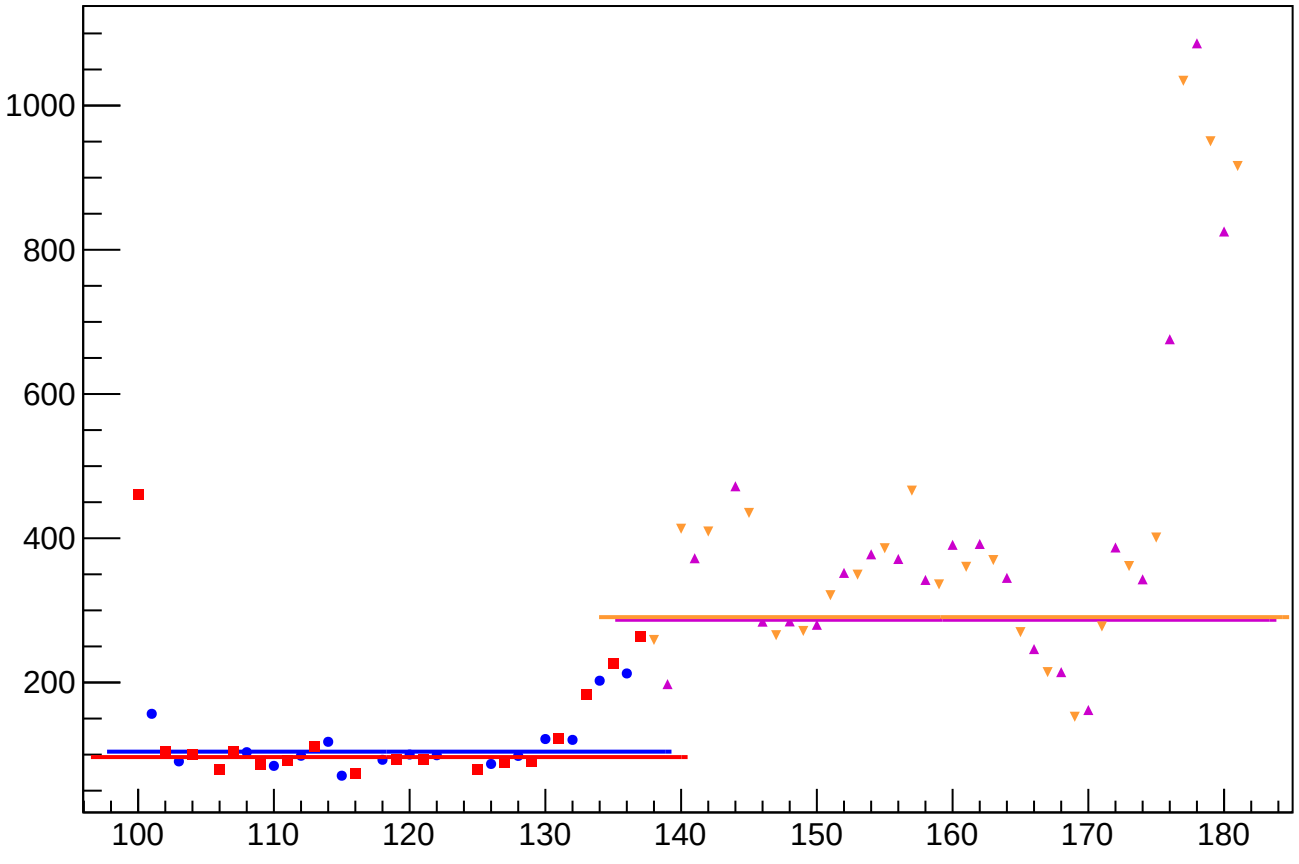
Right Out: 0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: -0.060+/-0.075 χ^2/NDF:25.2/20

+ sign 0.035+/-0.036 χ^2/NDF: 38.0/37

All: 0.025+/-0.025 χ^2/NDF: 86.7/76

- sign 0.016+/-0.035 χ^2/NDF: 48.5/38



Right In: 104.099+/-0.029 χ^2/NDF: 989856.1/15

Left Out: 290.632+/-0.054 χ^2/NDF:5016164.7/21

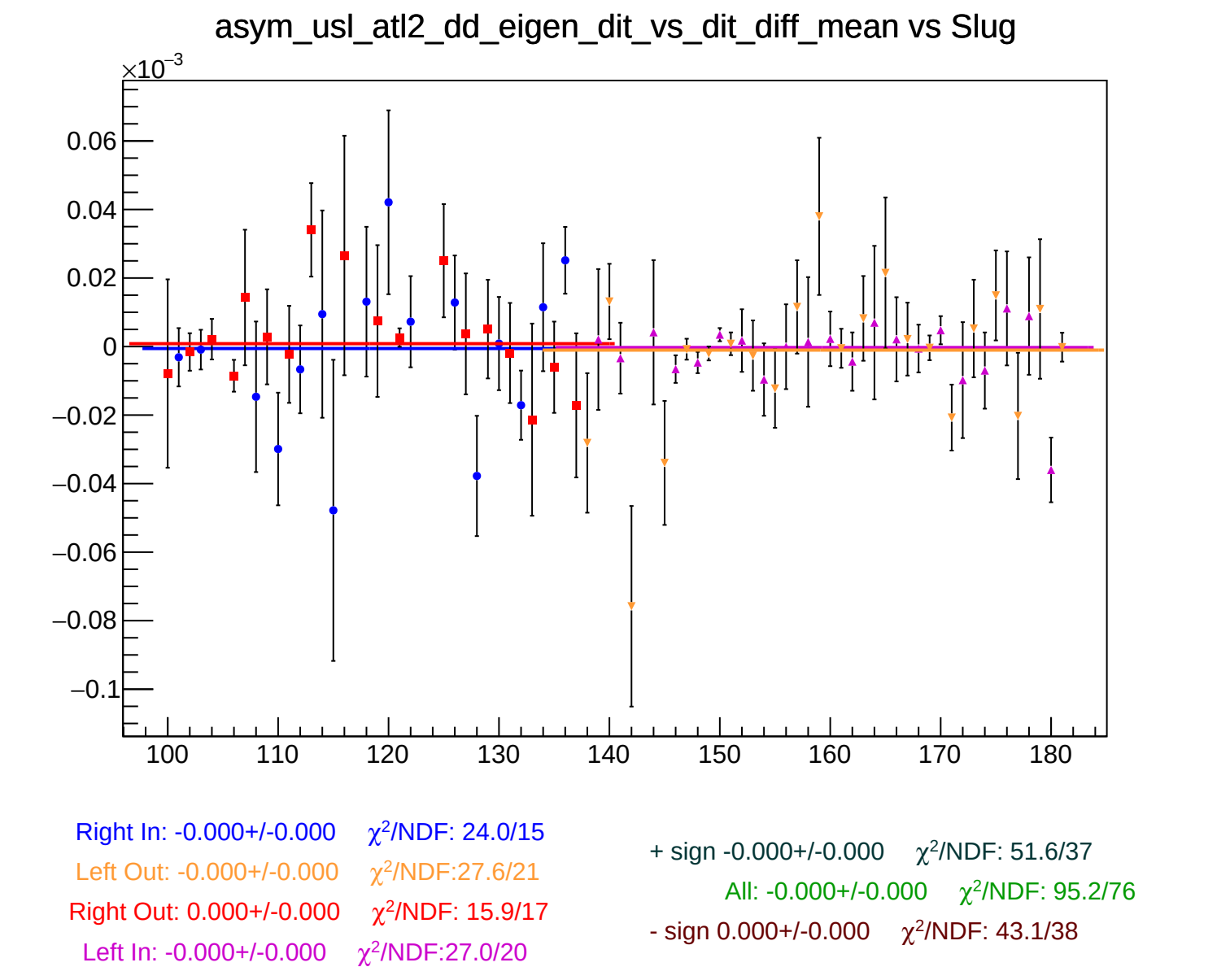
Right Out: 96.569+/-0.028 χ^2/NDF: 955547.2/17

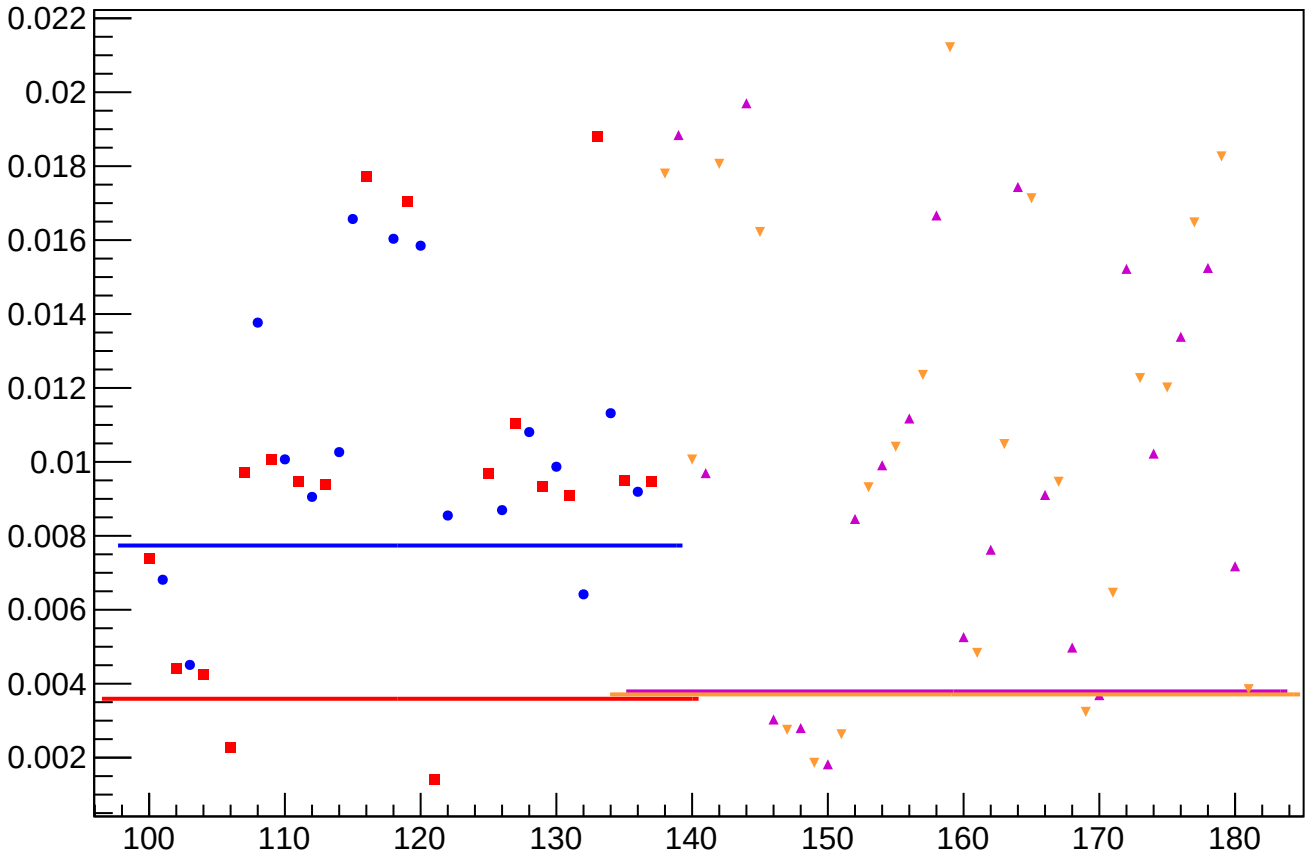
Left In: 286.964+/-0.053 χ^2/NDF:4552022.9/20

+ sign 145.579+/-0.026 χ^2/NDF: 15197801.6/37

All: 140.867+/-0.018 χ^2/NDF: 30835268.0/76

- sign 136.566+/-0.024 χ^2/NDF: 15572596.5/38


asym_usl_atl2_dd_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
100
110
120
130
140
150
160
170
180
Right In: -0.000+/-0.000 χ²/NDF: 24.0/15
Left Out: -0.000+/-0.000 χ²/NDF:27.6/21
Right Out: 0.000+/-0.000 χ²/NDF: 15.9/17
Left In: -0.000+/-0.000 χ²/NDF:27.0/20
+ sign -0.000+/-0.000 χ²/NDF: 51.6/37
All: -0.000+/-0.000 χ²/NDF: 95.2/76
- sign 0.000+/-0.000 χ²/NDF: 43.1/38



Right In: 0.008+/-0.000 χ^2/NDF: 1701473.5/15

Left Out: 0.004+/-0.000 χ^2/NDF:14074184.2/21

Right Out: 0.004+/-0.000 χ^2/NDF: 6364883.4/17

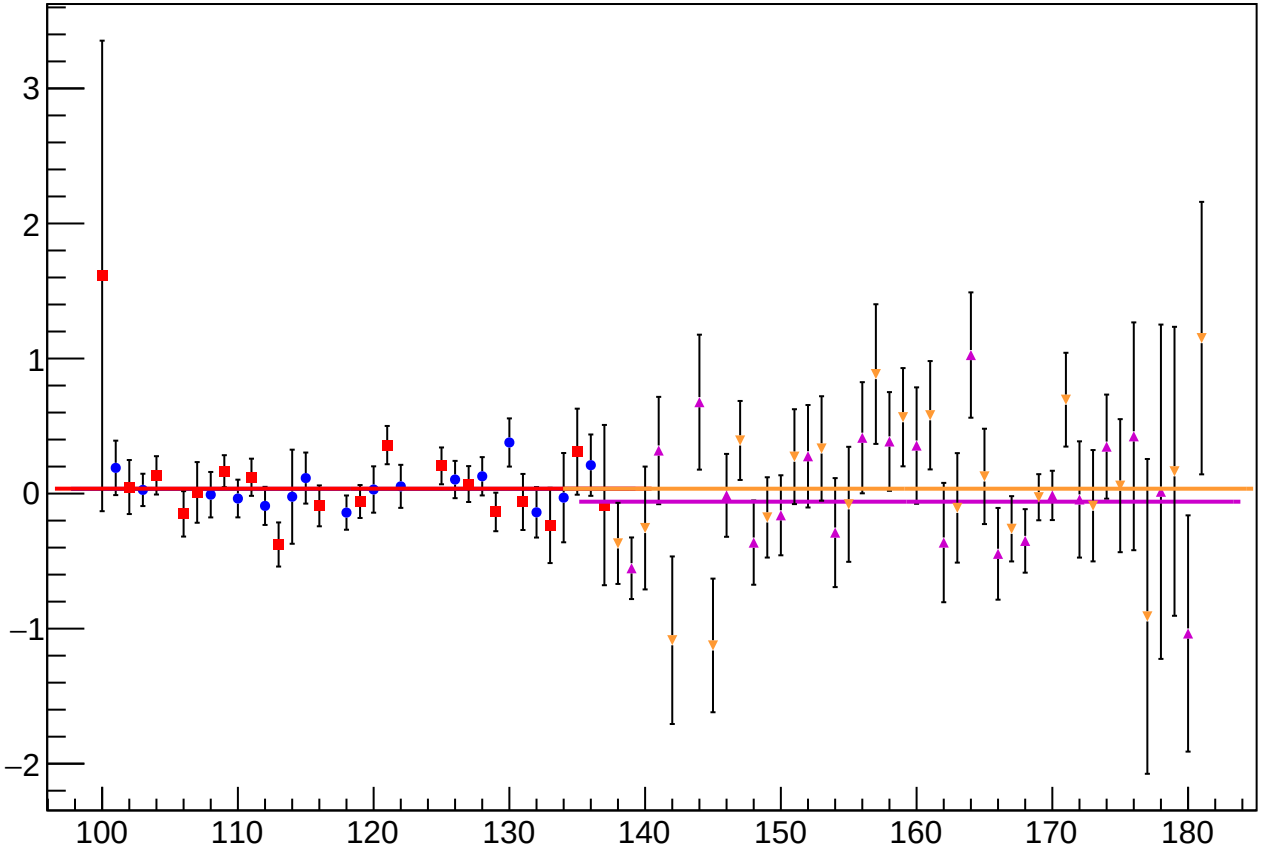
Left In: 0.004+/-0.000 χ^2/NDF:13120593.9/20

\+ sign 0.004+/-0.000 χ^2/NDF: 18688119.3/37

All: 0.004+/-0.000 χ^2/NDF: 38410341.2/76

\- sign 0.004+/-0.000 χ^2/NDF: 19501356.9/38

asym_usl_atl2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: 0.036+/-0.077 χ^2/NDF:28.2/21

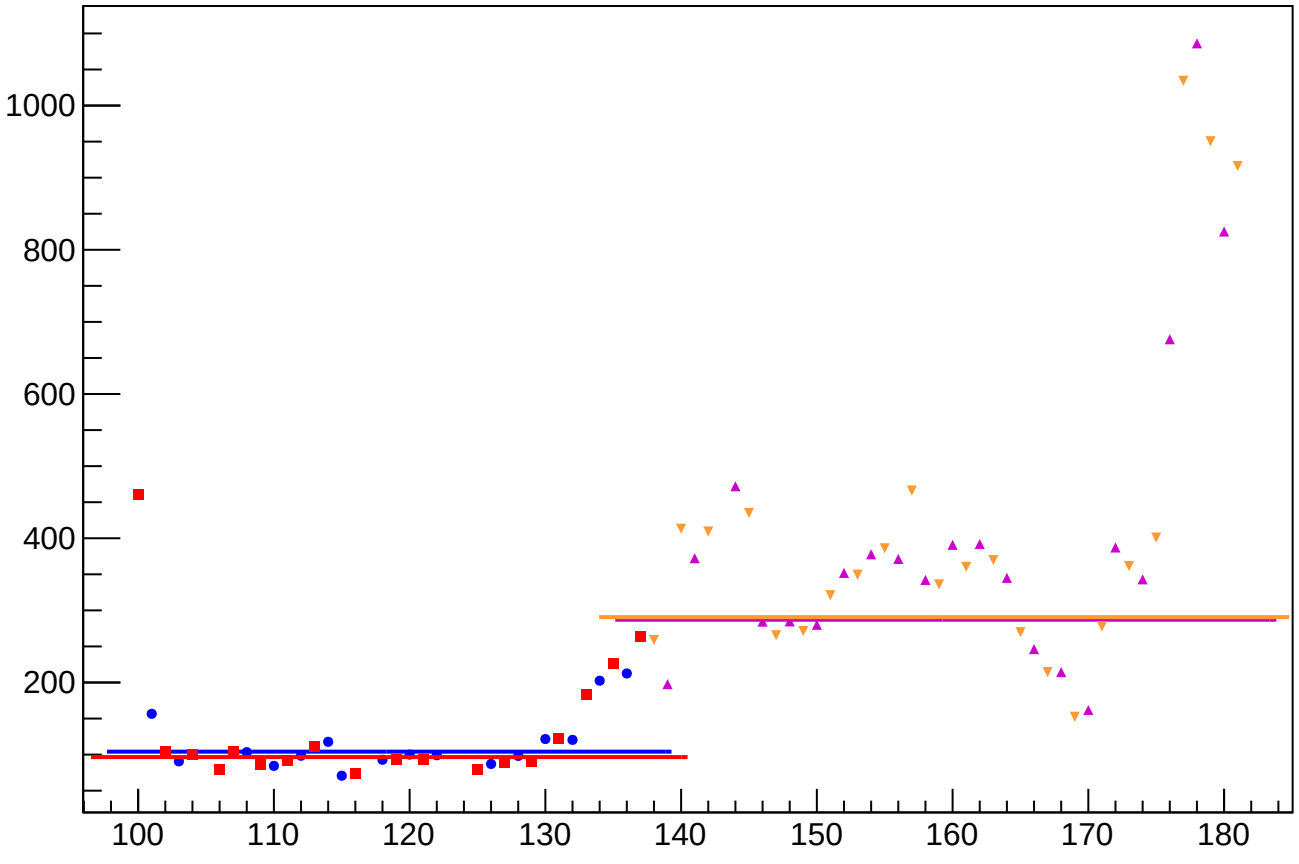
Right Out: 0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: -0.060+/-0.075 χ^2/NDF:25.2/20

+ sign 0.035+/-0.036 χ^2/NDF: 38.0/37

All: 0.025+/-0.025 χ^2/NDF: 86.7/76

- sign 0.016+/-0.035 χ^2/NDF: 48.5/38



Right In: 104.100+/-0.029 χ^2/NDF: 989809.0/15

Left Out: 290.634+/-0.054 χ^2/NDF:5016220.7/21

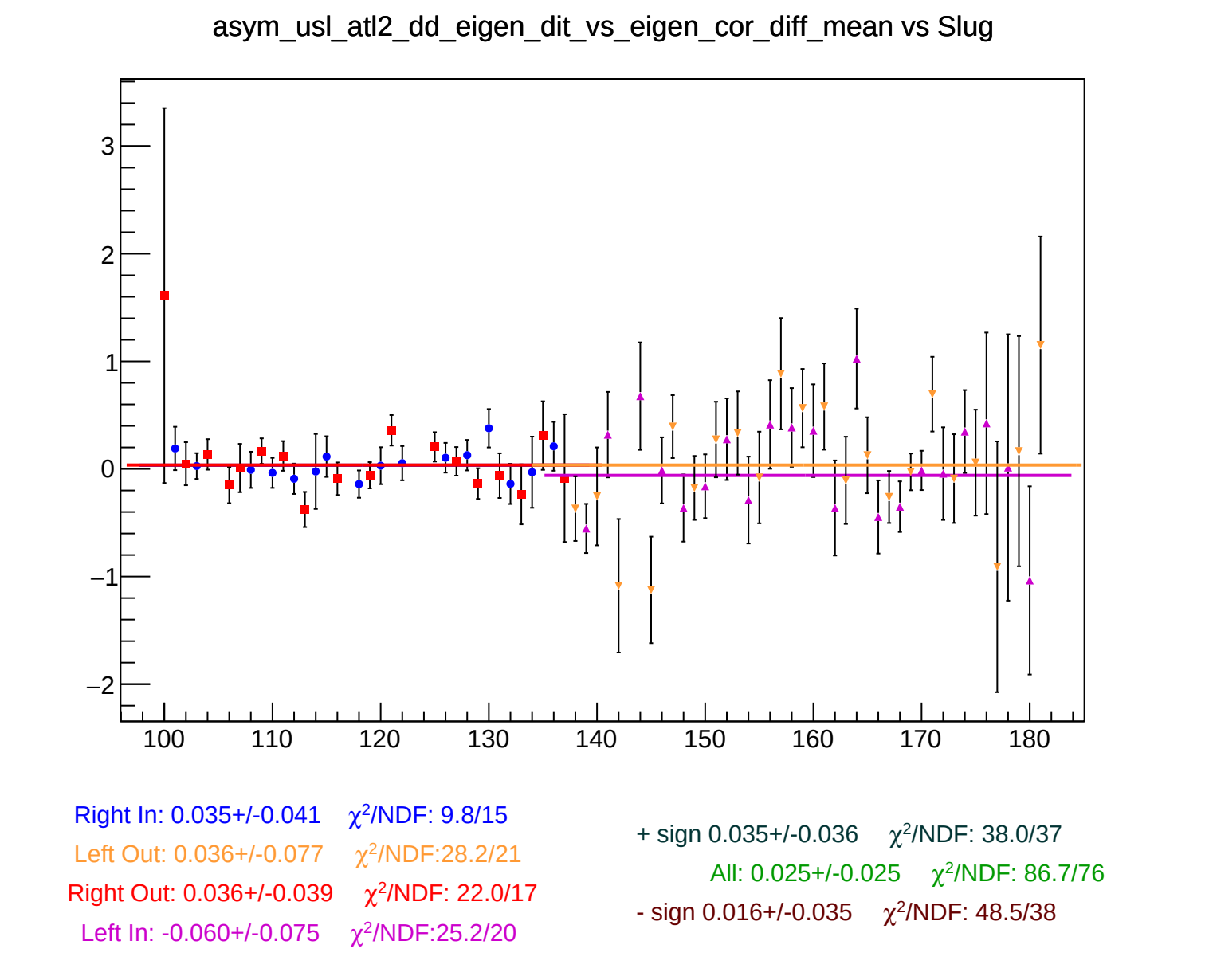
Right Out: 96.570+/-0.028 χ^2/NDF: 955477.2/17

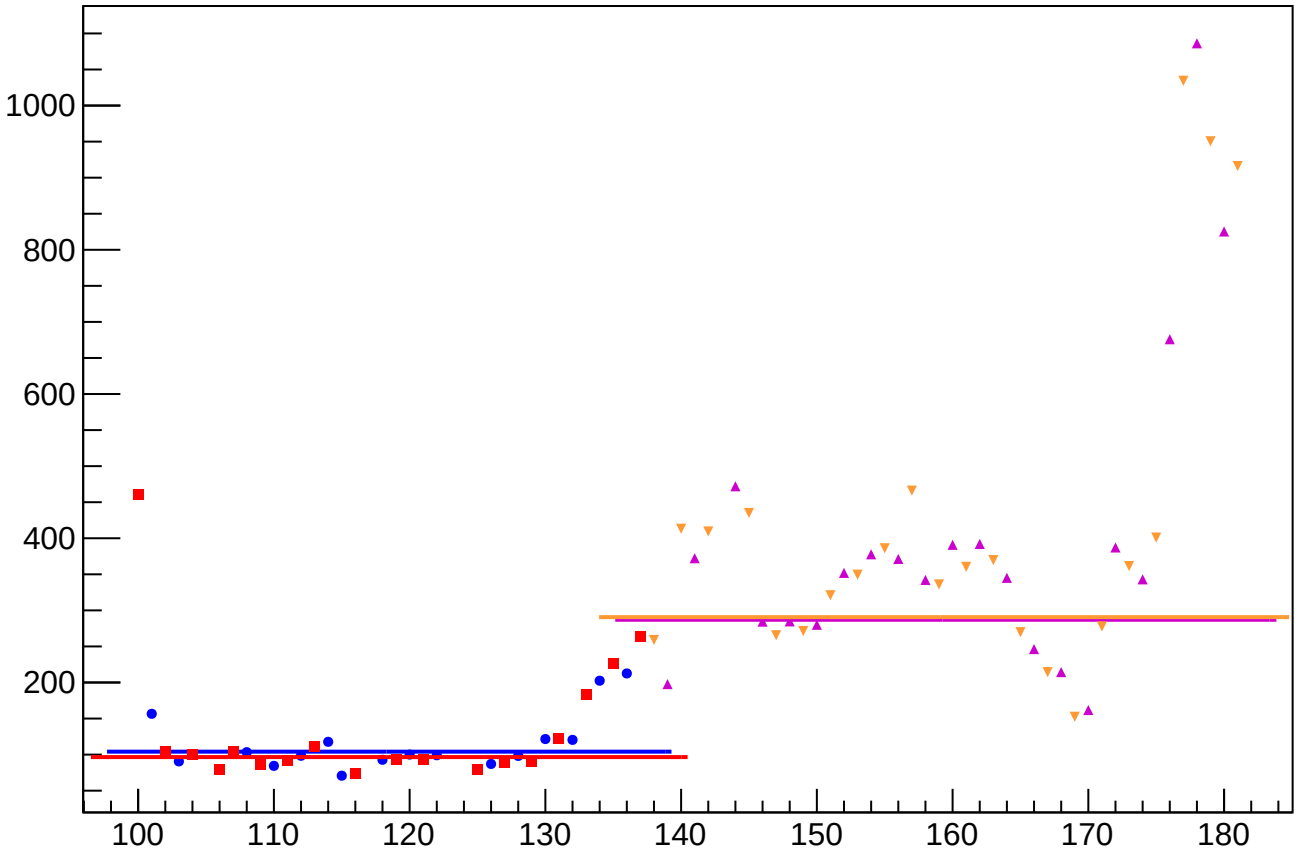
Left In: 286.968+/-0.053 χ^2/NDF:4551984.7/20

+ sign 145.580+/-0.026 χ^2/NDF: 15197775.9/37

All: 140.869+/-0.018 χ^2/NDF: 30835122.3/76

- sign 136.567+/-0.024 χ^2/NDF: 15572486.0/38


asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
3
2
1
0
−1
−2
100
110
120
130
140
150
160
170
180
Right In: 0.035+/-0.041 χ²/NDF: 9.8/15
Left Out: 0.036+/-0.077 χ²/NDF:28.2/21
Right Out: 0.036+/-0.039 χ²/NDF: 22.0/17
Left In: -0.060+/-0.075 χ²/NDF:25.2/20
+ sign 0.035+/-0.036 χ²/NDF: 38.0/37
All: 0.025+/-0.025 χ²/NDF: 86.7/76
- sign 0.016+/-0.035 χ²/NDF: 48.5/38



Right In: 104.100+/-0.029 χ^2/NDF: 989809.0/15

Left Out: 290.634+/-0.054 χ^2/NDF:5016220.7/21

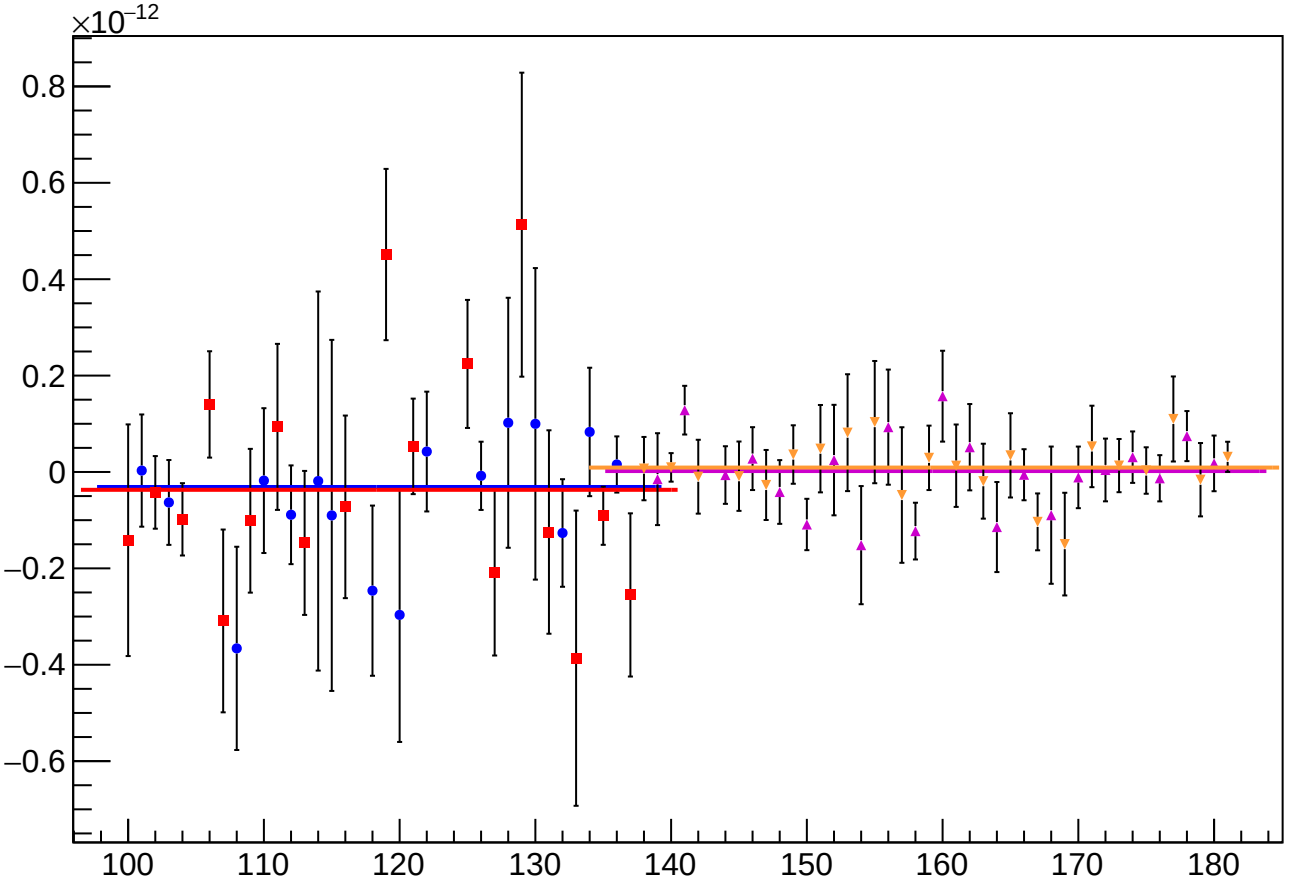
Right Out: 96.570+/-0.028 χ^2/NDF: 955477.2/17

Left In: 286.968+/-0.053 χ^2/NDF:4551984.7/20

+ sign 145.580+/-0.026 χ^2/NDF: 15197775.9/37

All: 140.869+/-0.018 χ^2/NDF: 30835122.3/76

- sign 136.567+/-0.024 χ^2/NDF: 15572486.0/38



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.2/21

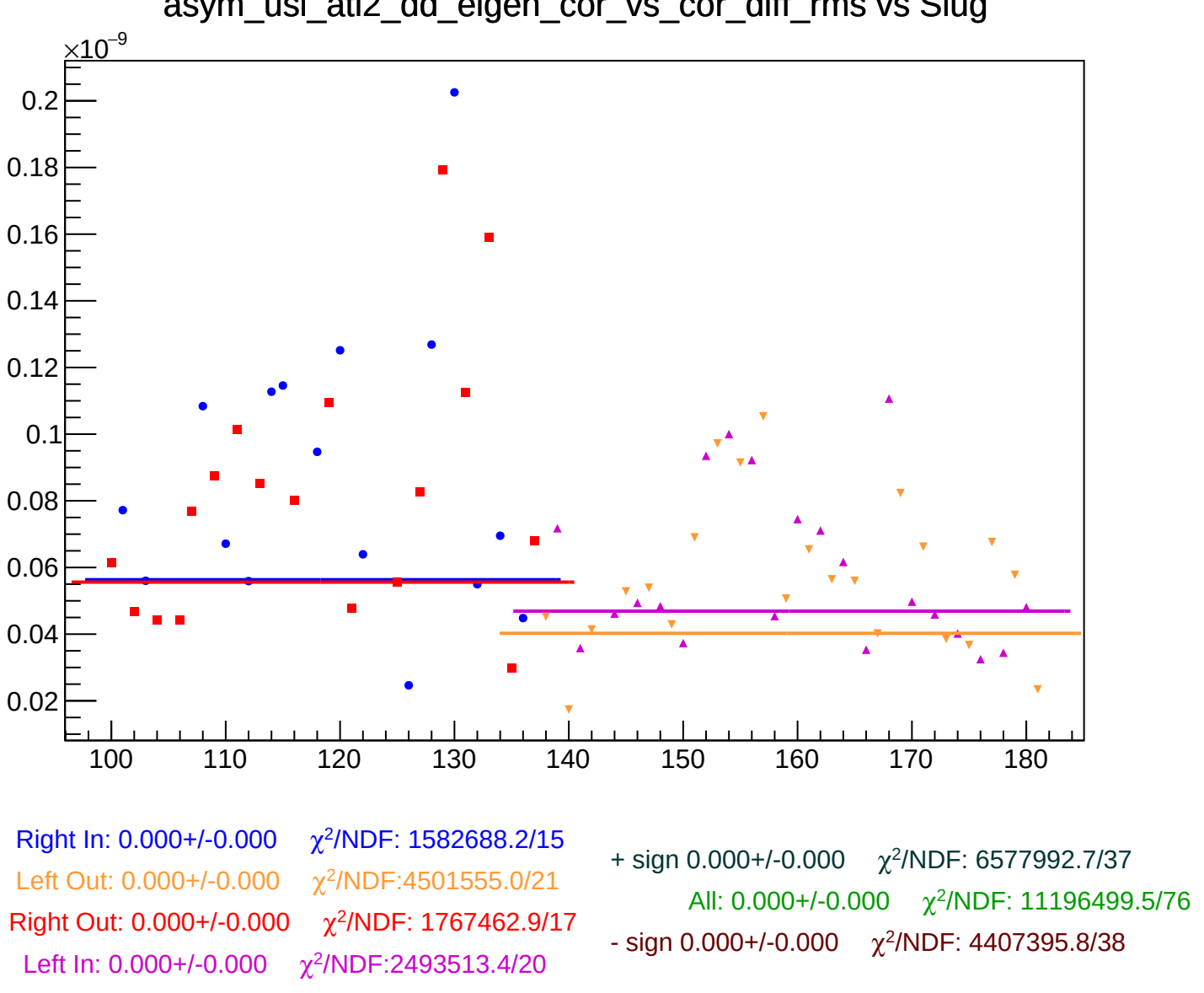
Right Out: -0.000+/-0.000 χ^2/NDF: 27.0/17

Left In: 0.000+/-0.000 χ^2/NDF:25.4/20

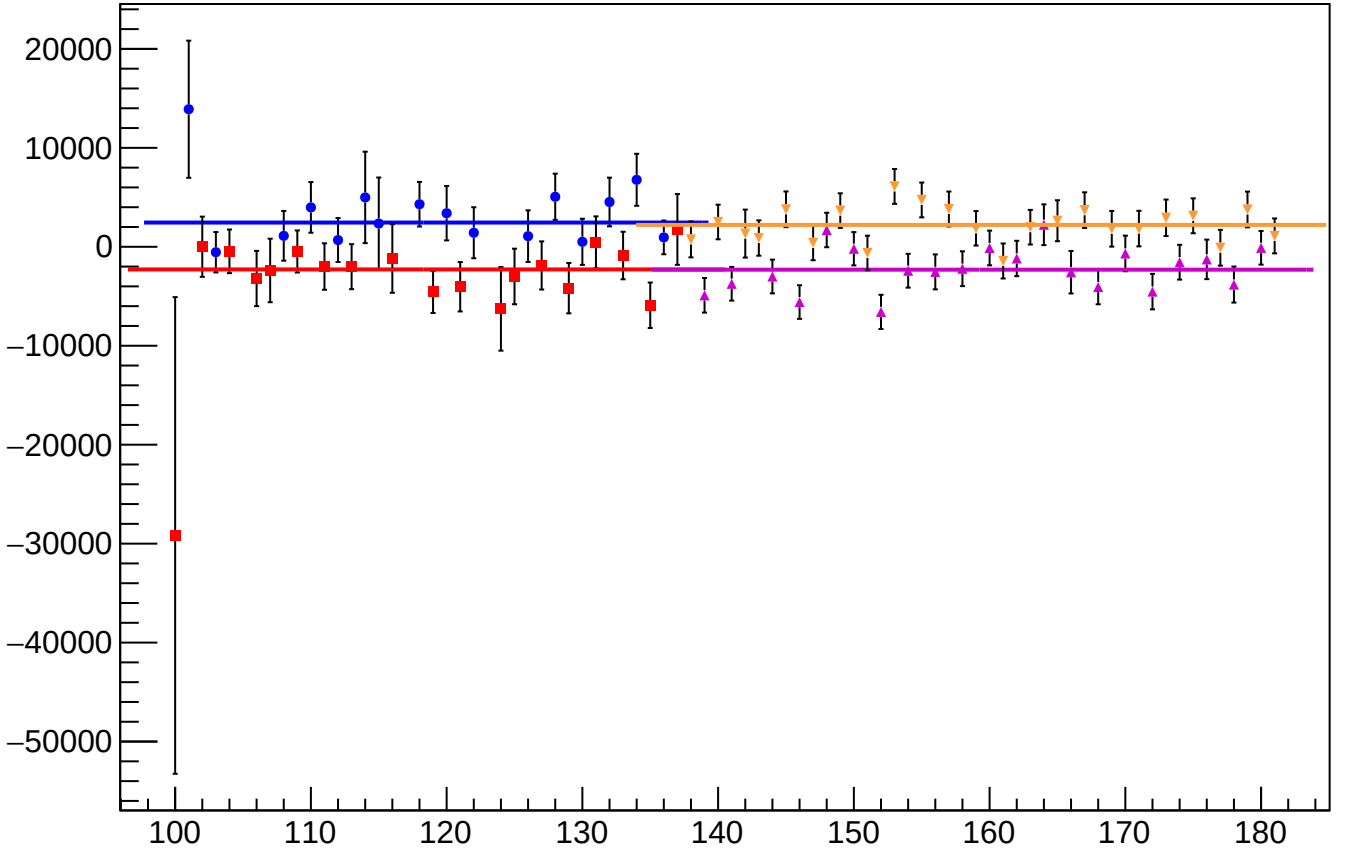
+ sign 0.000+/-0.000 χ^2/NDF: 20.4/37

All: -0.000+/-0.000 χ^2/NDF: 74.4/76

- sign -0.000+/-0.000 χ^2/NDF: 53.9/38


asym_usl_atl2_dd_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: 1582688.2/15
Left Out: 0.000+/-0.000 χ²/NDF:4501555.0/21
Right Out: 0.000+/-0.000 χ²/NDF: 1767462.9/17
Left In: 0.000+/-0.000 χ²/NDF:2493513.4/20
+ sign 0.000+/-0.000 χ²/NDF: 6577992.7/37
All: 0.000+/-0.000 χ²/NDF: 11196499.5/76
- sign 0.000+/-0.000 χ²/NDF: 4407395.8/38

reg_asym_usr_atr1_avg_mean vs Slug



Right In: 2449.957+/-630.235 χ^2/NDF: 13.8/15

Left Out: 2213.122+/-376.589 χ^2/NDF:22.6/22

Right Out: -2286.573+/-609.157 χ^2/NDF: 11.8/18

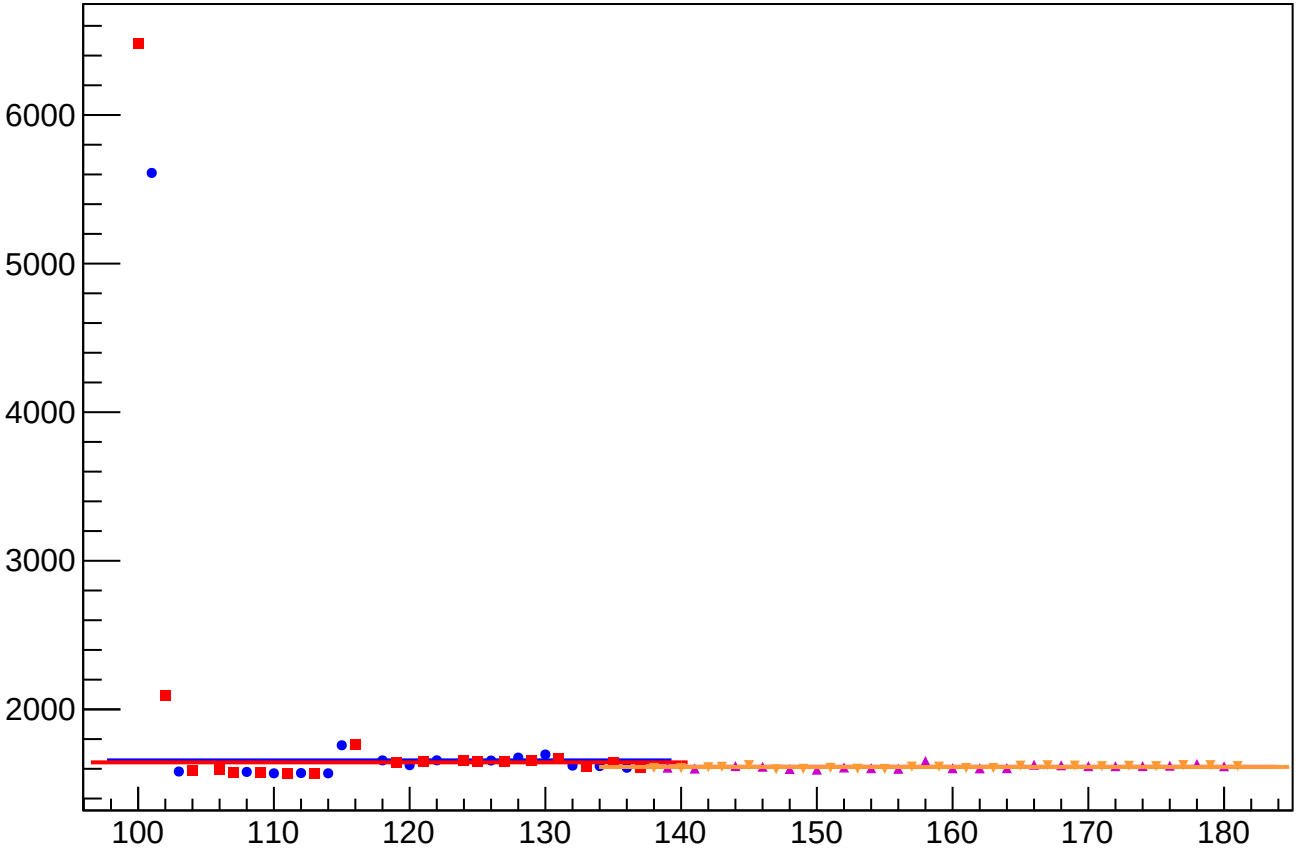
Left In: -2313.042+/-388.448 χ^2/NDF:32.8/20

+ sign 2275.435+/-323.273 χ^2/NDF: 36.5/38

All: 14.937+/-230.076 χ^2/NDF: 180.2/78

- sign -2305.391+/-327.523 χ^2/NDF: 44.6/39

reg_asym_usr_atr1_avg_rms vs Slug



Right In: 1656.683+/-0.446 χ^2/NDF: 666226.2/15

Left Out: 1612.421+/-0.266 χ^2/NDF:1162.9/22

Right Out: 1643.430+/-0.431 χ^2/NDF: 136997.9/18

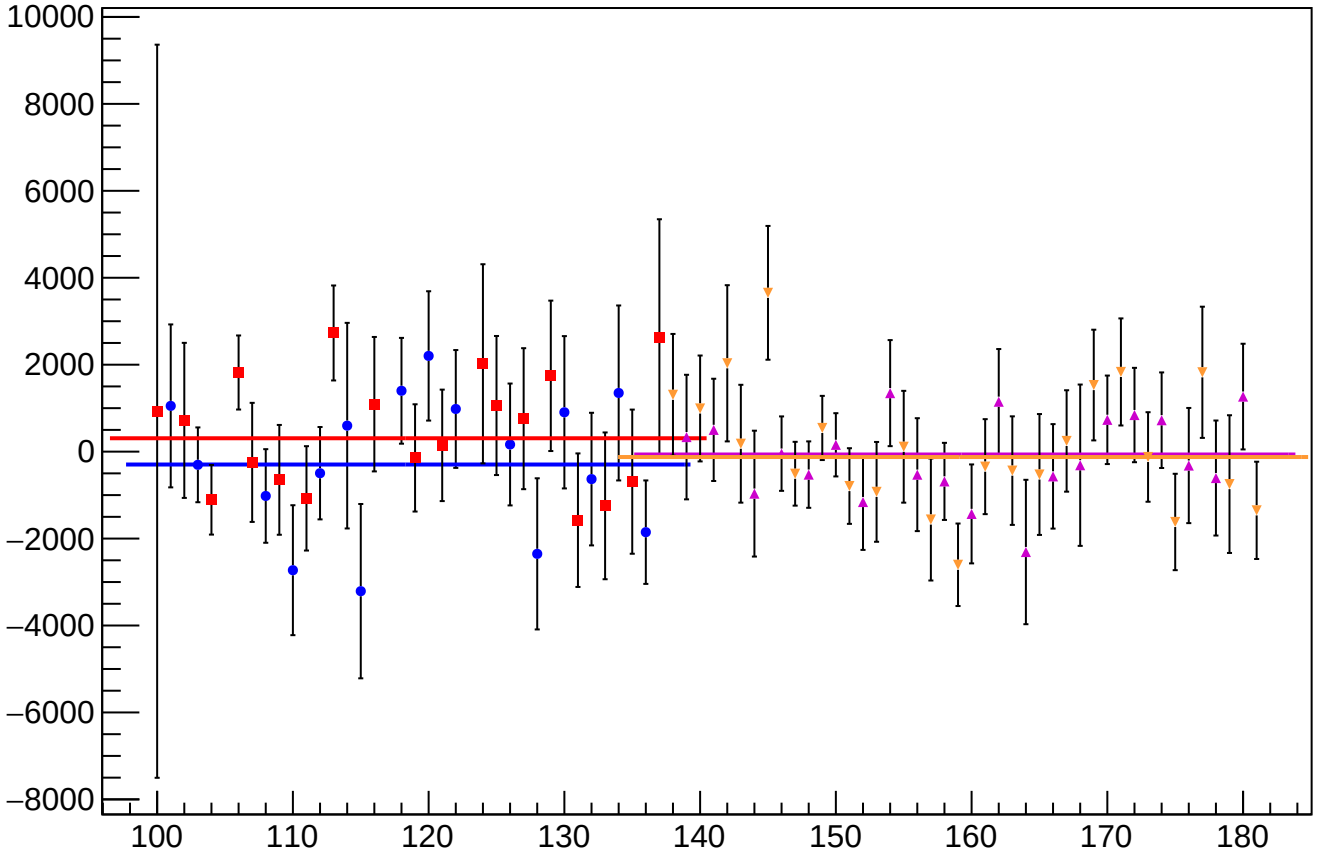
Left In: 1613.554+/-0.275 χ^2/NDF:2341.4/20

\+ sign 1624.067+/-0.229 χ^2/NDF: 674658.2/38

All: 1623.141+/-0.163 χ^2/NDF: 817450.8/78

\- sign 1622.191+/-0.232 χ^2/NDF: 142759.3/39

asym_usr_atr1_avg_reg_correction_mean vs Slug



Right In: -296.450+/-343.436 χ^2/NDF: 16.0/15

Left Out: -124.103+/-236.668 χ^2/NDF:28.8/22

Right Out: 307.671+/-312.976 χ^2/NDF: 18.7/18

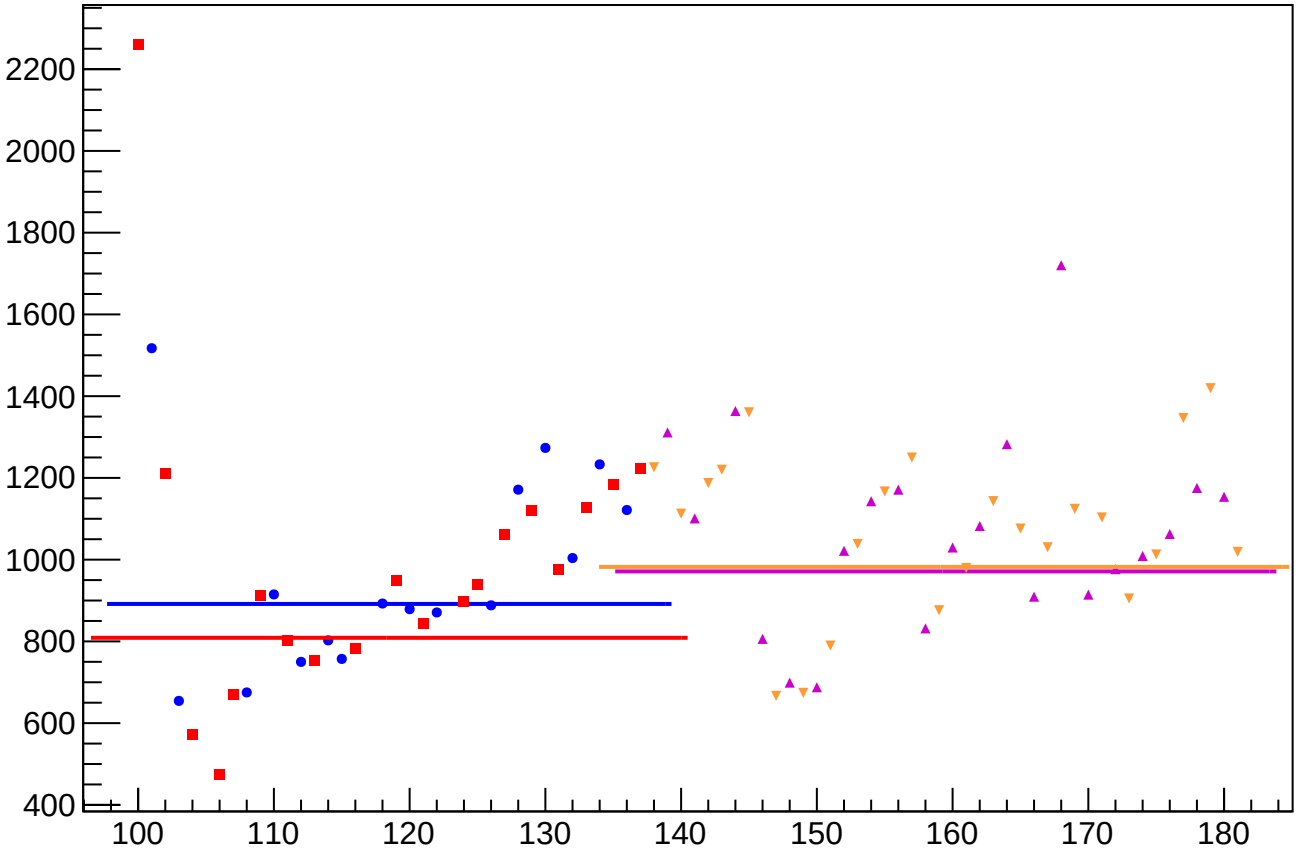
Left In: -66.011+/-240.621 χ^2/NDF:11.8/20

+ sign -179.596+/-194.877 χ^2/NDF: 45.0/38

All: -50.699+/-136.320 χ^2/NDF: 77.2/78

- sign 72.810+/-190.760 χ^2/NDF: 31.4/39

asym_usr_atr1_avg_reg_correction_rms vs Slug



Right In: 891.633+/-0.243 χ^2/NDF: 793897.2/15

Left Out: 982.240+/-0.167 χ^2/NDF:1625357.3/22

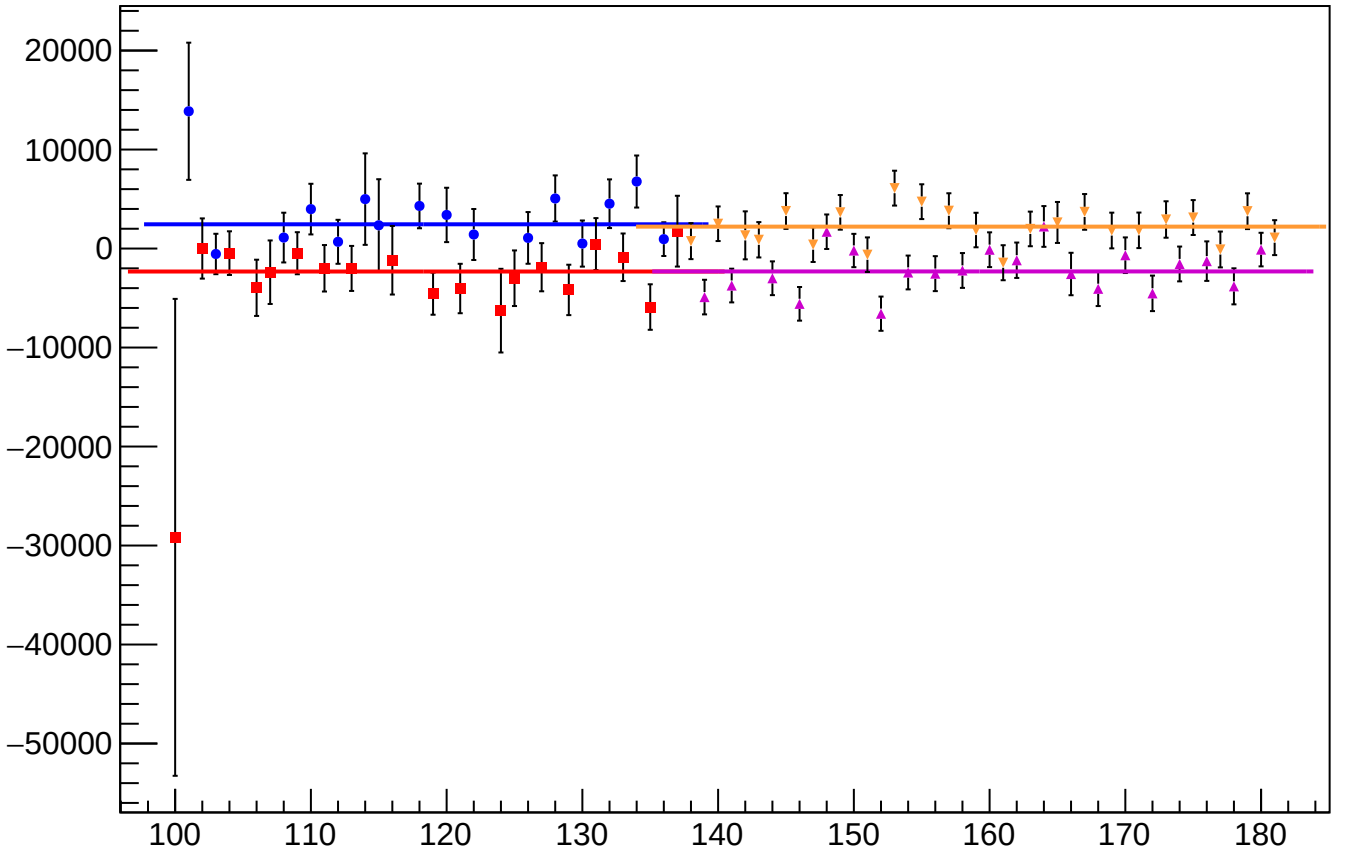
Right Out: 808.809+/-0.221 χ^2/NDF: 1083841.8/18

Left In: 971.233+/-0.170 χ^2/NDF:1590694.9/20

+ sign 953.067+/-0.138 χ^2/NDF: 2513640.2/38

All: 931.530+/-0.096 χ^2/NDF: 5574553.9/78

- sign 910.894+/-0.135 χ^2/NDF: 3013081.5/39



Right In: 2449.397+/-630.235 χ^2/NDF: 13.8/15

Left Out: 2213.103+/-376.589 χ^2/NDF:22.6/22

Right Out: -2320.575+/-609.657 χ^2/NDF: 12.1/18

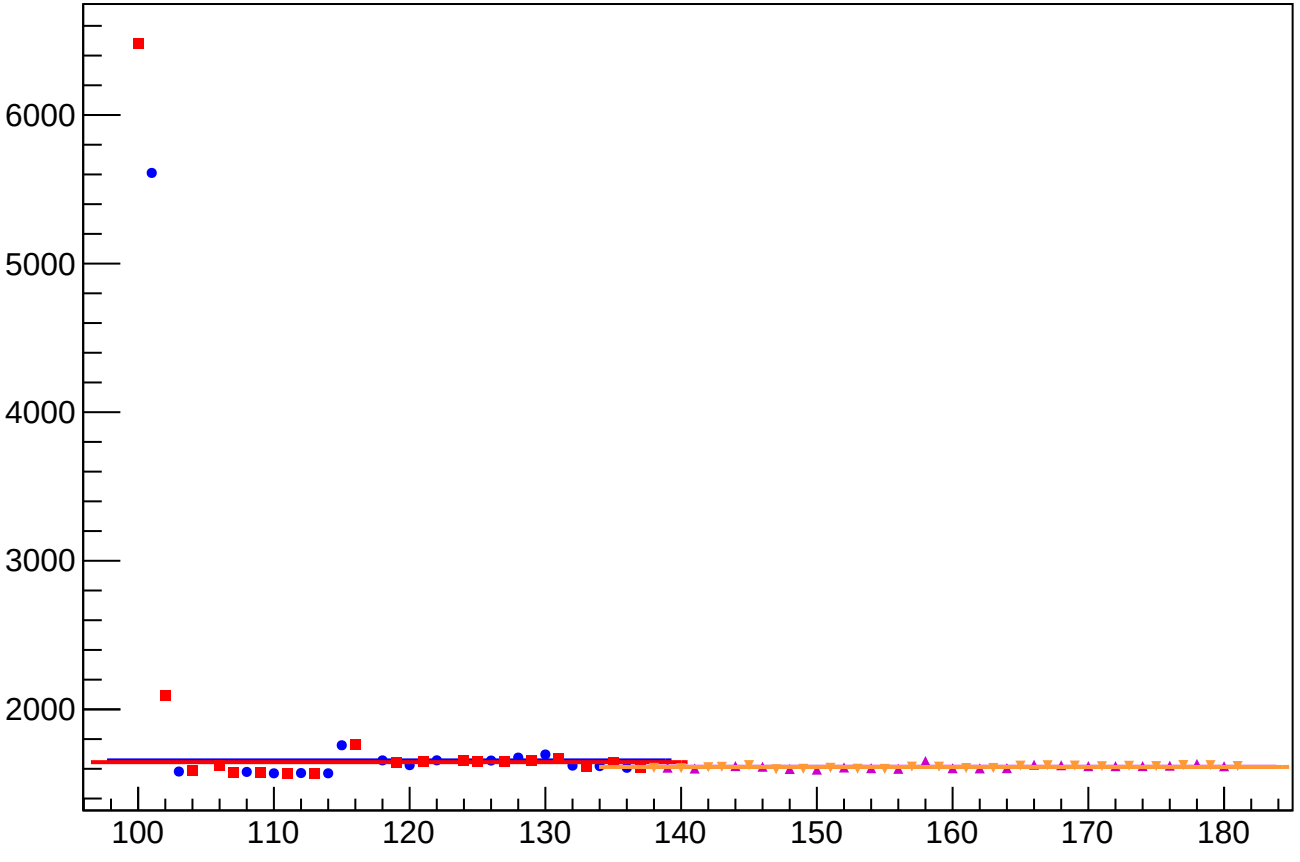
Left In: -2313.093+/-388.448 χ^2/NDF:32.8/20

+ sign 2275.274+/-323.273 χ^2/NDF: 36.5/38

All: 10.533+/-230.103 χ^2/NDF: 180.8/78

- sign -2315.253+/-327.601 χ^2/NDF: 44.9/39

cor_asym_usr_atr1_avg_rms vs Slug



Right In: 1656.683+/-0.446 χ^2/NDF: 666225.7/15

Left Out: 1612.421+/-0.266 χ^2/NDF:1162.9/22

Right Out: 1644.733+/-0.431 χ^2/NDF: 136483.1/18

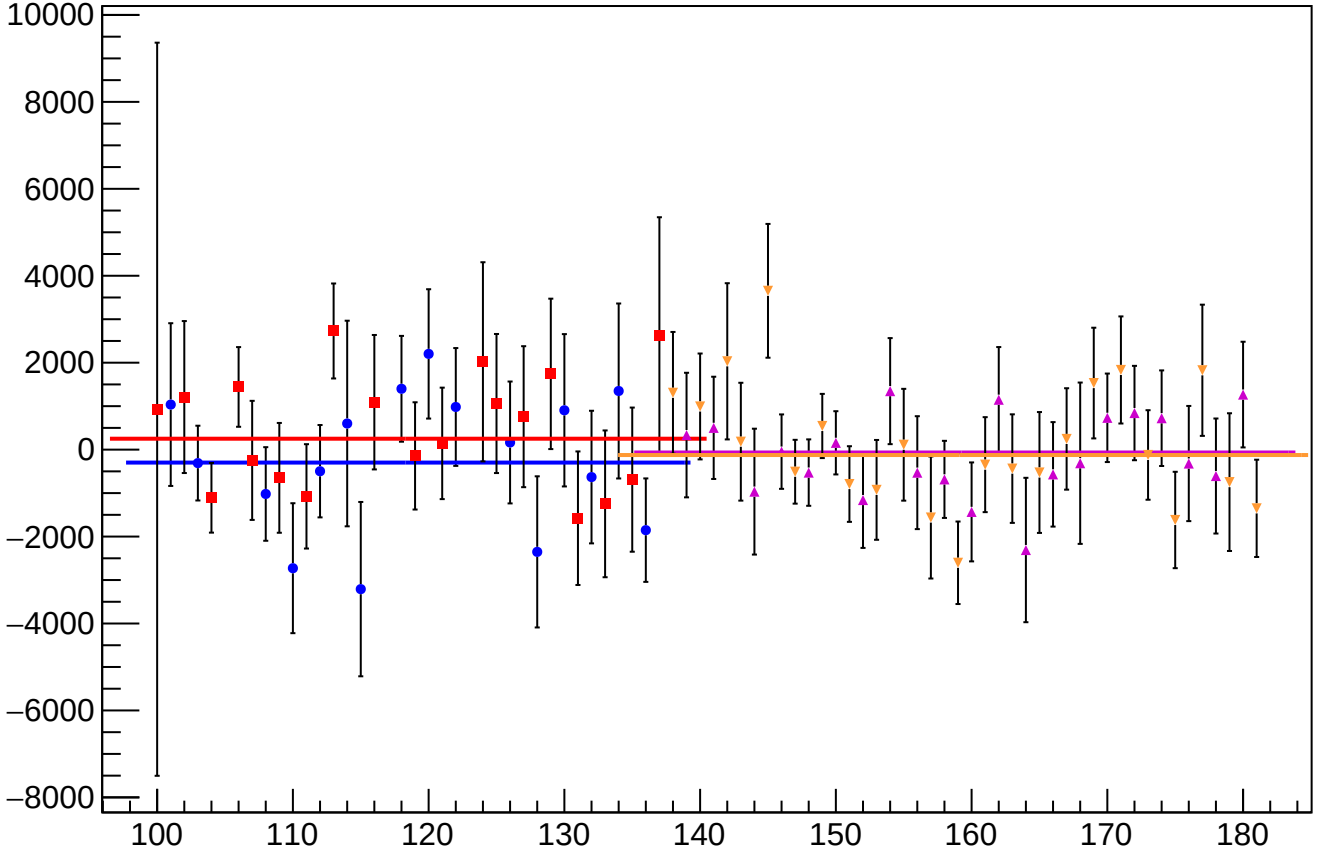
Left In: 1613.554+/-0.275 χ^2/NDF:2341.4/20

\+ sign 1624.067+/-0.229 χ^2/NDF: 674657.8/38

All: 1623.322+/-0.163 χ^2/NDF: 817224.3/78

\- sign 1622.557+/-0.232 χ^2/NDF: 142544.9/39

asym_usr_atr1_avg_cor_correction_mean vs Slug



Right In: -297.794+/-343.391 χ^2/NDF: 15.9/15

Left Out: -124.157+/-236.666 χ^2/NDF:28.8/22

Right Out: 251.230+/-315.749 χ^2/NDF: 17.3/18

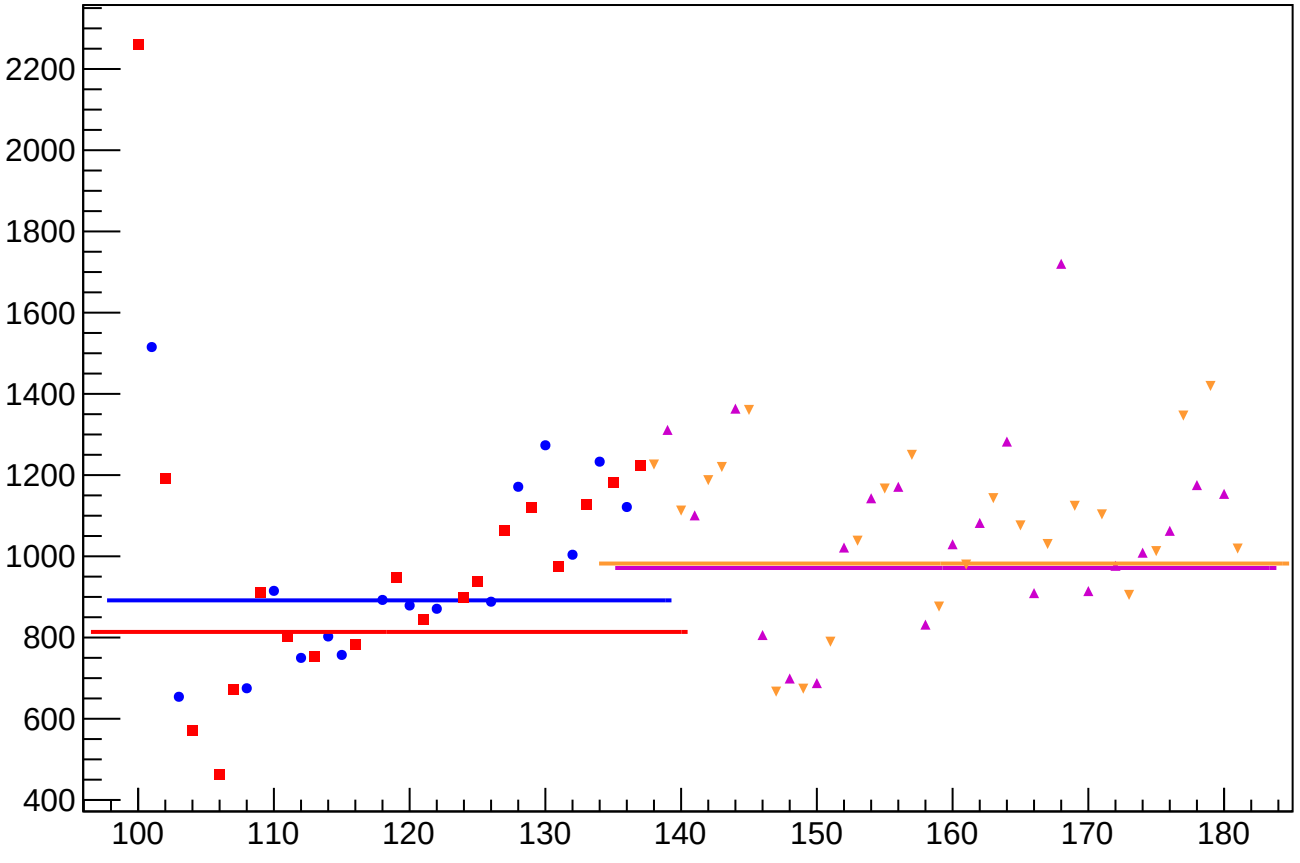
Left In: -66.031+/-240.622 χ^2/NDF:11.8/20

\+ sign -180.074+/-194.868 χ^2/NDF: 44.9/38

All: -62.694+/-136.544 χ^2/NDF: 75.3/78

\- sign 50.526+/-191.383 χ^2/NDF: 29.7/39

asym_usr_atr1_avg_cor_correction_rms vs Slug



Right In: 891.533+/-0.243 χ^2/NDF: 793657.2/15

Left Out: 982.231+/-0.167 χ^2/NDF:1625474.5/22

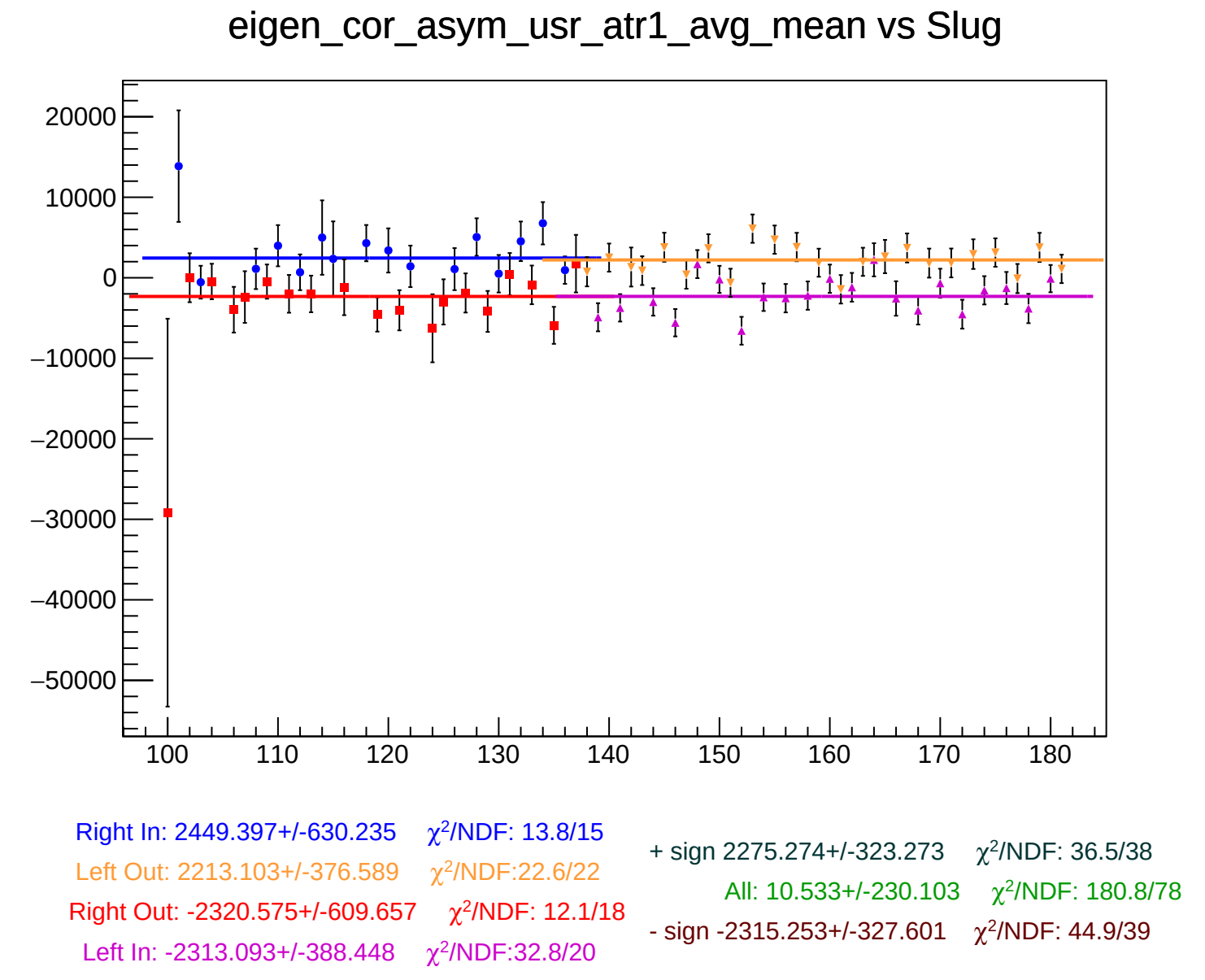
Right Out: 813.807+/-0.223 χ^2/NDF: 1052991.6/18

Left In: 971.239+/-0.170 χ^2/NDF:1590655.2/20

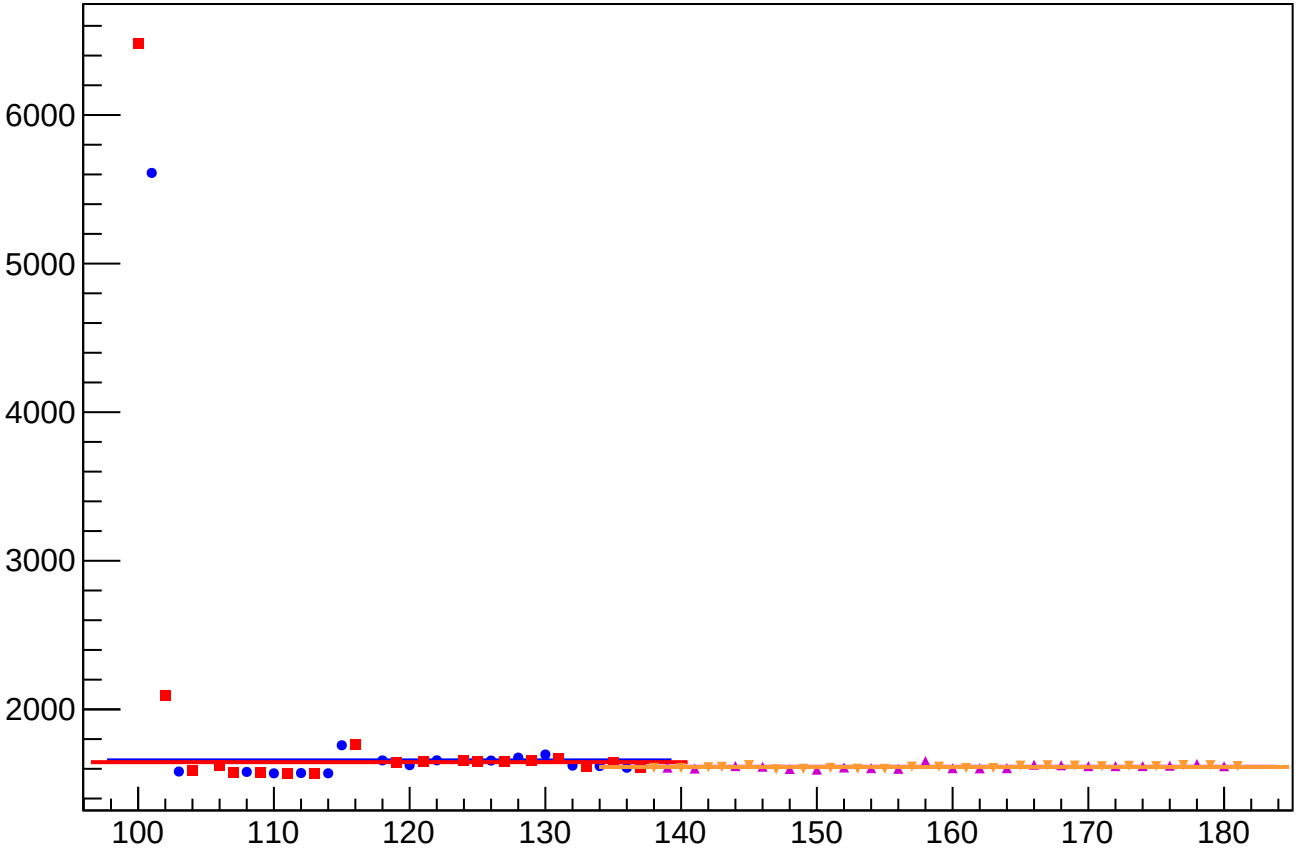
+ sign 953.023+/-0.138 χ^2/NDF: 2513724.7/38

All: 932.855+/-0.097 χ^2/NDF: 5513996.3/78

- sign 913.401+/-0.135 χ^2/NDF: 2958182.1/39


eigen_cor_asym_usr_atr1_avg_mean vs Slug
20000
10000
0
−10000
−20000
−30000
−40000
−50000
100
110
120
130
140
150
160
170
180
Right In: 2449.397+/-630.235 χ²/NDF: 13.8/15
Left Out: 2213.103+/-376.589 χ²/NDF:22.6/22
Right Out: -2320.575+/-609.657 χ²/NDF: 12.1/18
Left In: -2313.093+/-388.448 χ²/NDF:32.8/20
+ sign 2275.274+/-323.273 χ²/NDF: 36.5/38
All: 10.533+/-230.103 χ²/NDF: 180.8/78
- sign -2315.253+/-327.601 χ²/NDF: 44.9/39

eigen_cor_asym_usr_atr1_avg_rms vs Slug



Right In: 1656.683+/-0.446 χ^2/NDF: 666225.7/15

Left Out: 1612.421+/-0.266 χ^2/NDF:1162.9/22

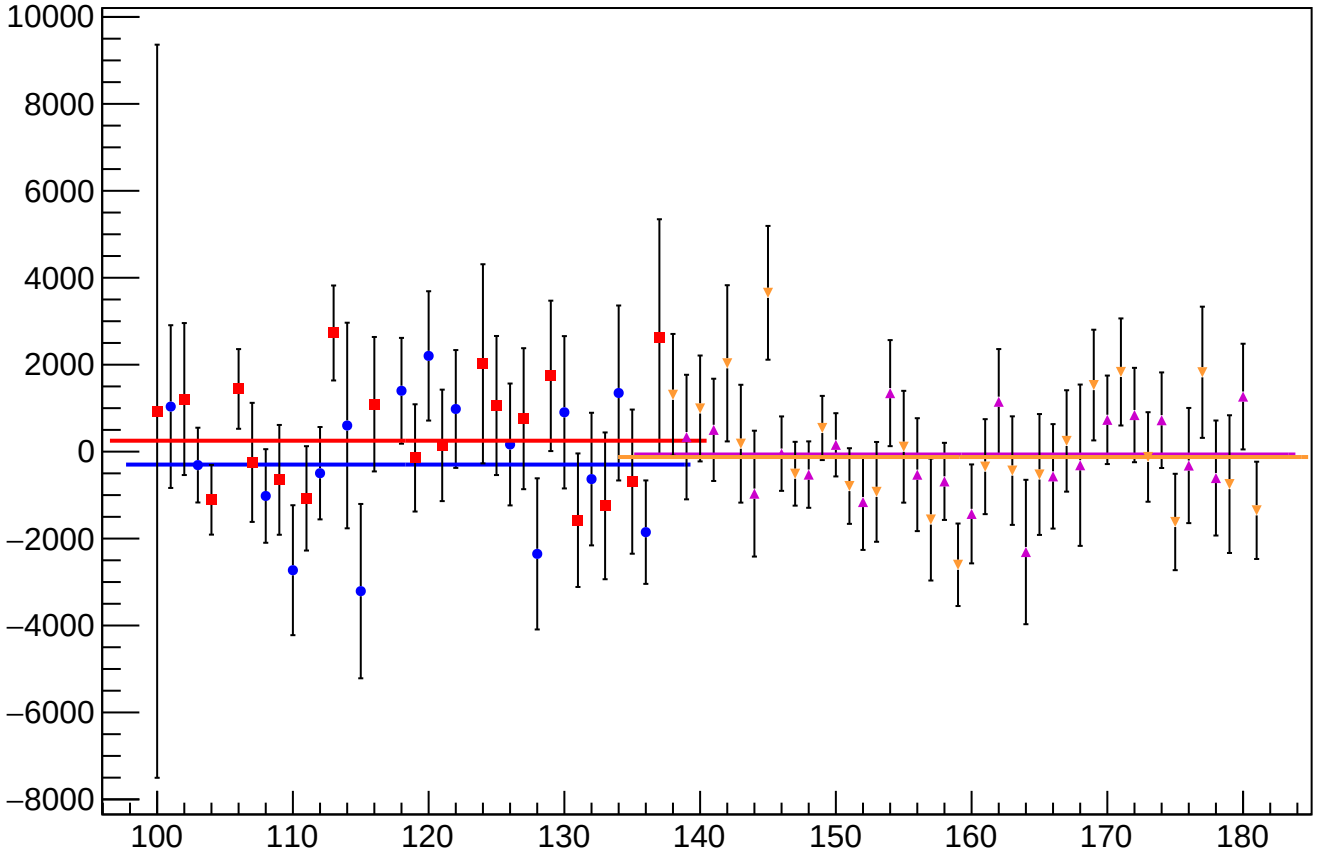
Right Out: 1644.733+/-0.431 χ^2/NDF: 136483.1/18

Left In: 1613.554+/-0.275 χ^2/NDF:2341.4/20

+ sign 1624.067+/-0.229 χ^2/NDF: 674657.8/38

All: 1623.322+/-0.163 χ^2/NDF: 817224.3/78

- sign 1622.557+/-0.232 χ^2/NDF: 142544.9/39



Right In: -297.794+/-343.391 χ^2/NDF: 15.9/15

Left Out: -124.157+/-236.666 χ^2/NDF:28.8/22

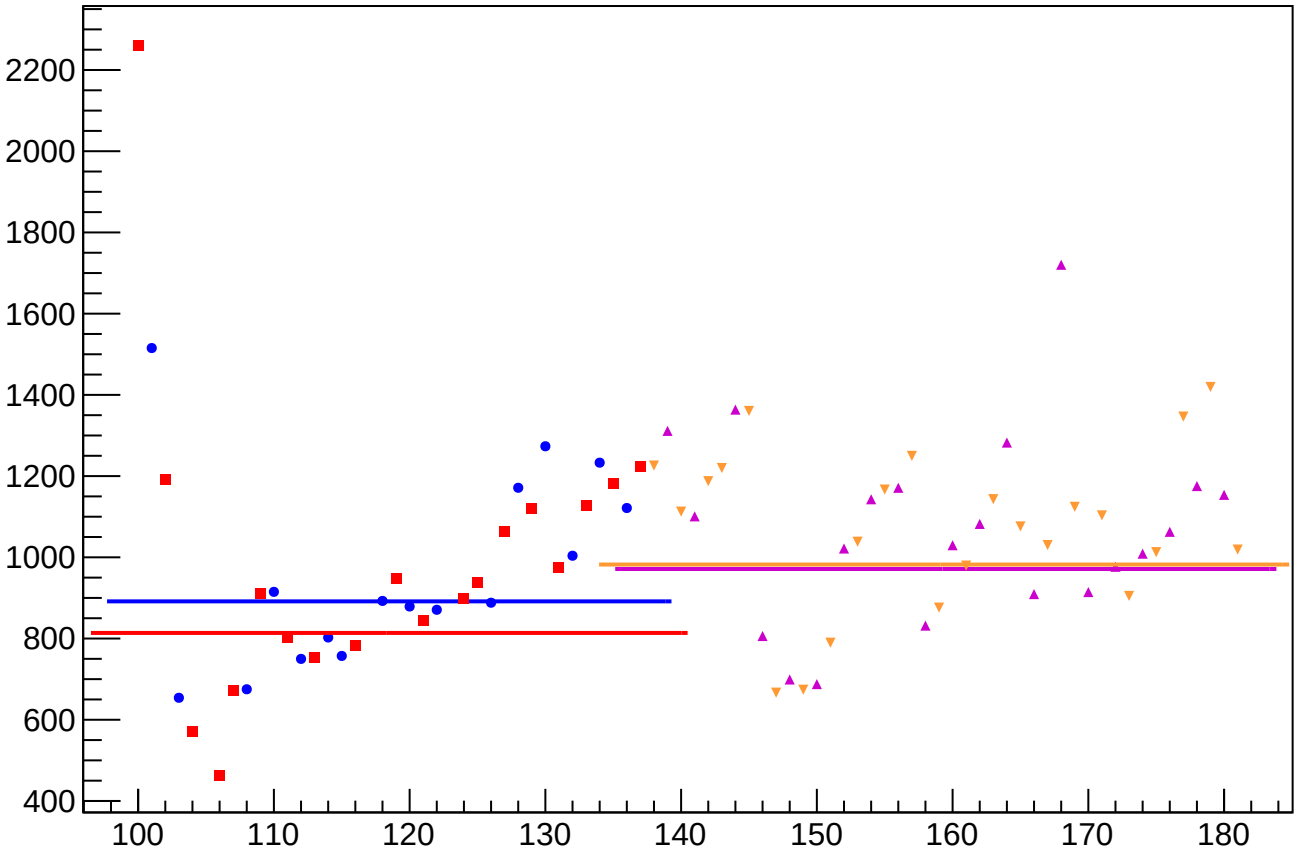
Right Out: 251.230+/-315.749 χ^2/NDF: 17.3/18

Left In: -66.031+/-240.622 χ^2/NDF:11.8/20

+ sign -180.074+/-194.868 χ^2/NDF: 44.9/38

All: -62.694+/-136.544 χ^2/NDF: 75.3/78

- sign 50.526+/-191.383 χ^2/NDF: 29.7/39



Right In: 891.533+/-0.243 χ^2/NDF: 793657.2/15

Left Out: 982.231+/-0.167 χ^2/NDF:1625474.5/22

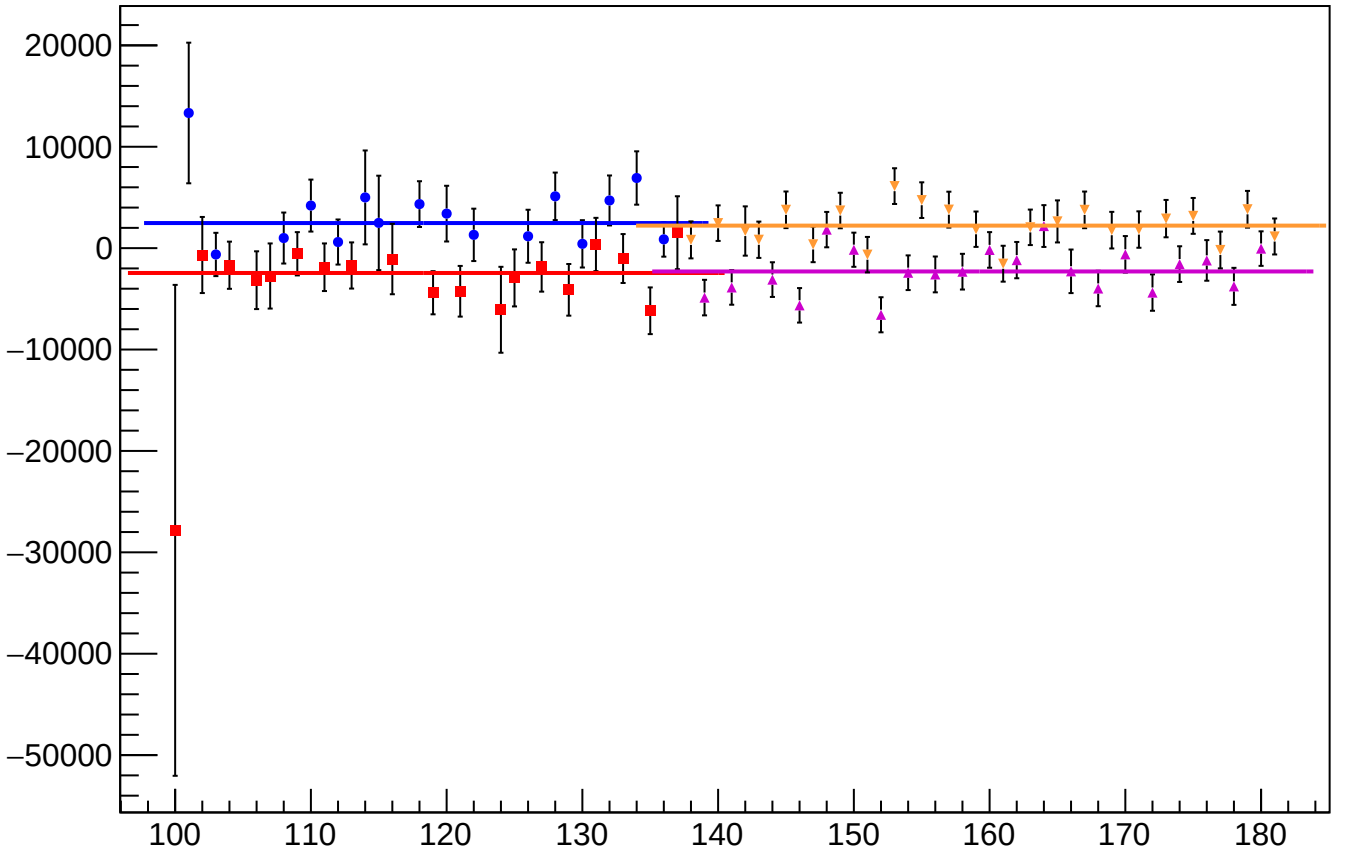
Right Out: 813.807+/-0.223 χ^2/NDF: 1052991.6/18

Left In: 971.239+/-0.170 χ^2/NDF:1590655.2/20

+ sign 953.023+/-0.138 χ^2/NDF: 2513724.7/38

All: 932.855+/-0.097 χ^2/NDF: 5513996.3/78

- sign 913.401+/-0.135 χ^2/NDF: 2958182.1/39



Right In: 2475.229+/-633.866 χ^2/NDF: 14.2/15

Left Out: 2222.256+/-377.284 χ^2/NDF:23.0/22

Right Out: -2449.053+/-617.532 χ^2/NDF: 10.6/18

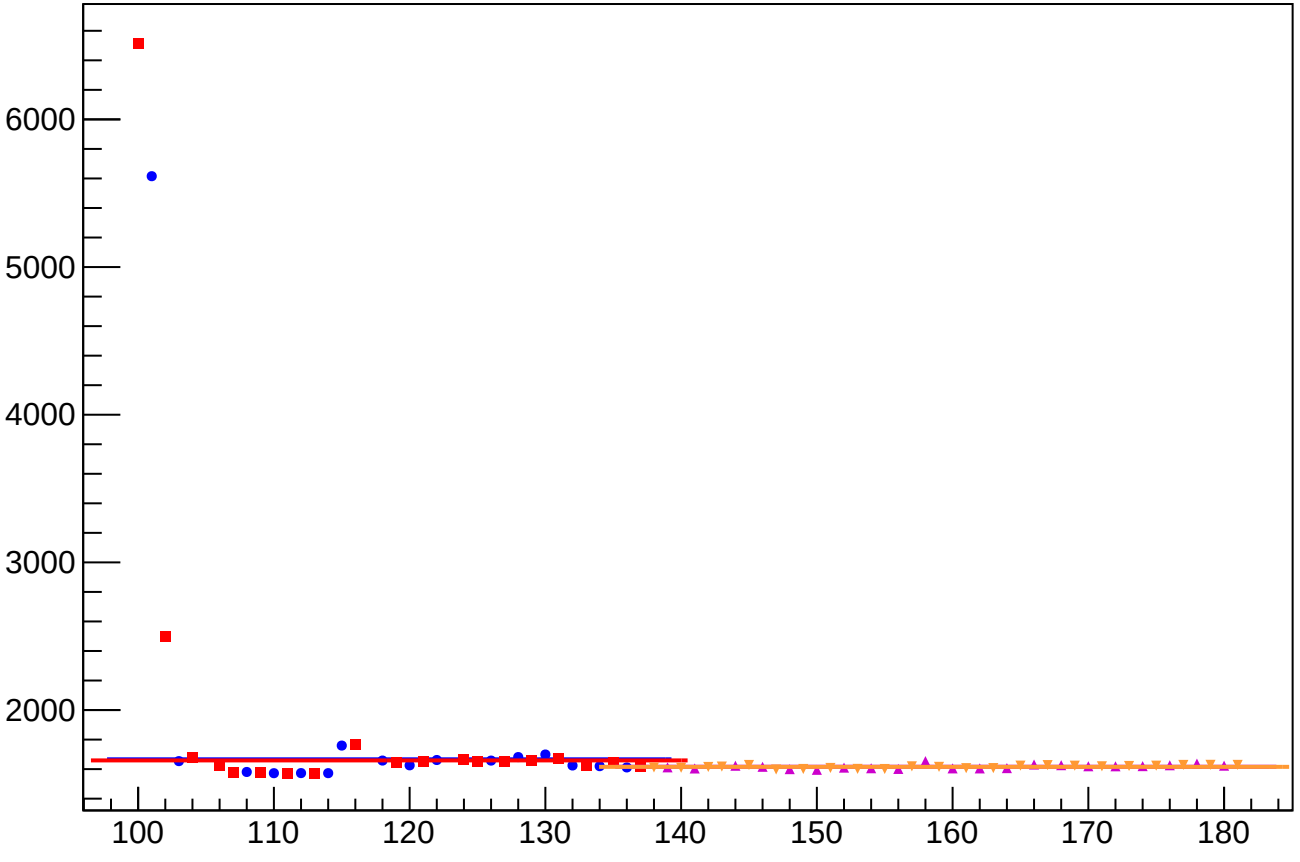
Left In: -2300.194+/-389.039 χ^2/NDF:33.0/20

+ sign 2288.434+/-324.201 χ^2/NDF: 37.4/38

All: 8.147+/-230.980 χ^2/NDF: 181.4/78

- sign -2342.489+/-329.164 χ^2/NDF: 43.6/39

dit_asym_usr_atr1_avg_rms vs Slug



Right In: 1666.400+/-0.448 χ^2/NDF: 662914.5/15

Left Out: 1615.387+/-0.267 χ^2/NDF:1427.7/22

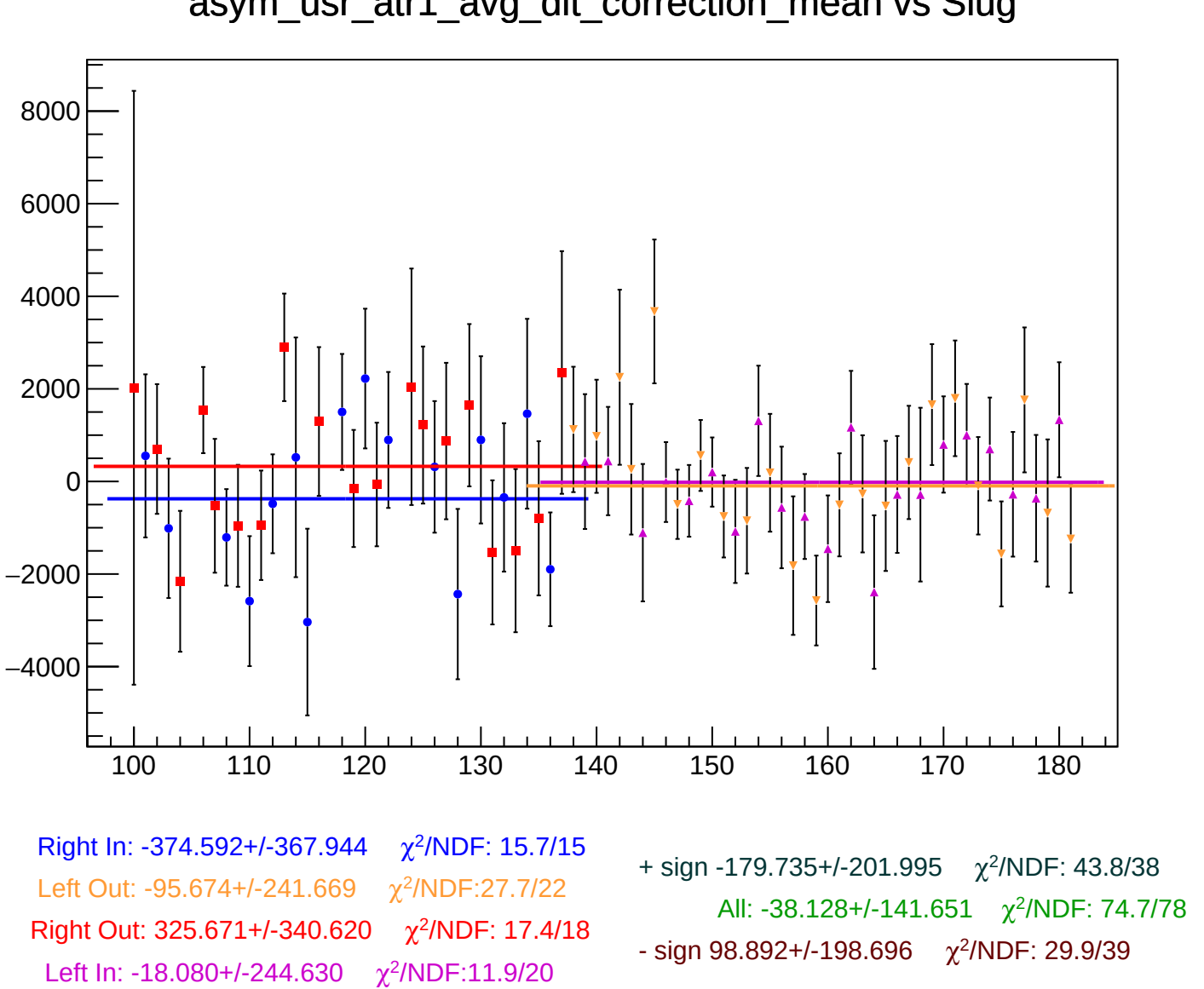
Right Out: 1659.005+/-0.437 χ^2/NDF: 193223.7/18

Left In: 1615.997+/-0.275 χ^2/NDF:2525.1/20

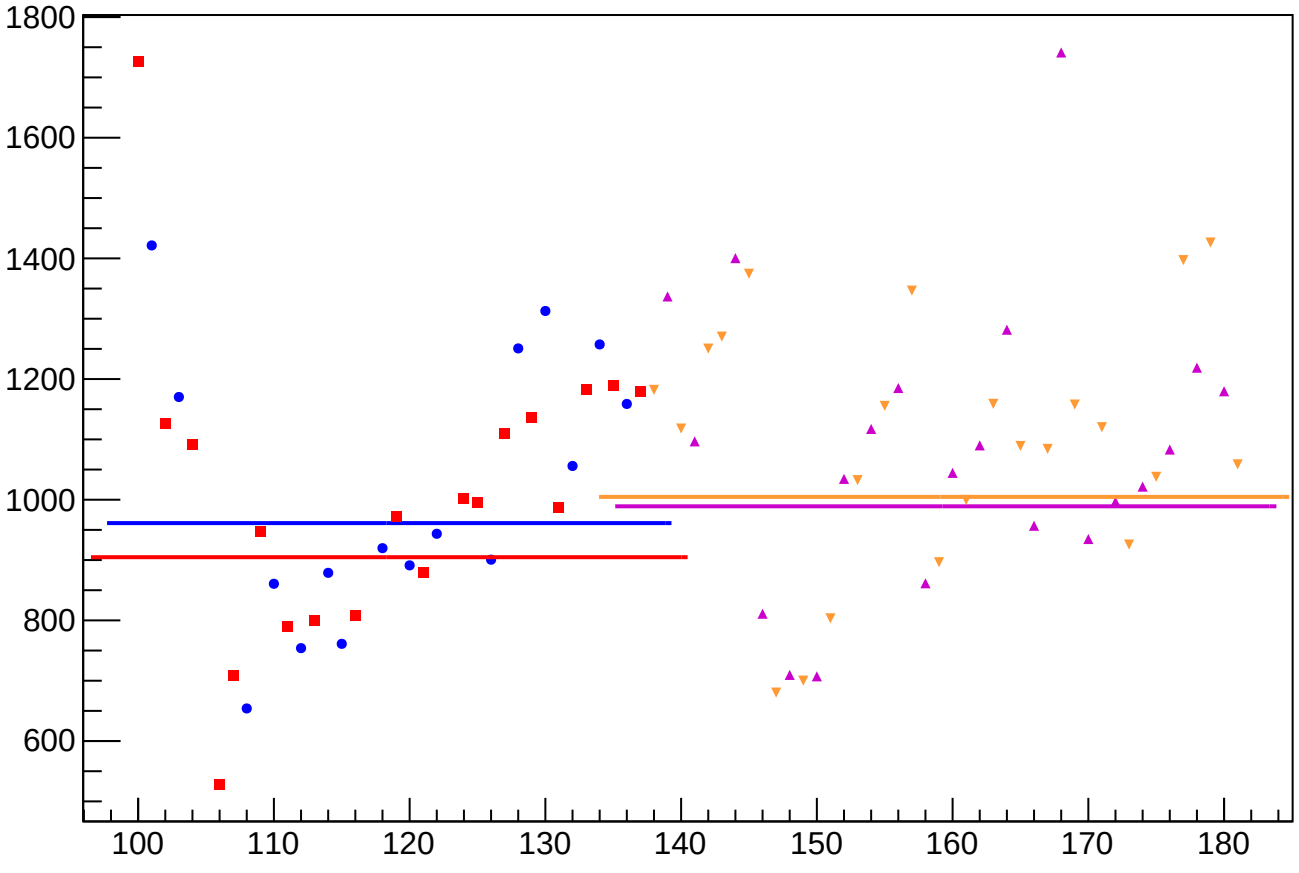
\+ sign 1628.732+/-0.229 χ^2/NDF: 673907.4/38

All: 1628.478+/-0.163 χ^2/NDF: 876603.0/78

\- sign 1628.217+/-0.233 χ^2/NDF: 202693.2/39


asym_usr_atr1_avg_dit_correction_mean vs Slug
8000
6000
4000
2000
0
−2000
−4000
100
110
120
130
140
150
160
170
180
Right In: -374.592+/-367.944 χ²/NDF: 15.7/15
Left Out: -95.674+/-241.669 χ²/NDF:27.7/22
Right Out: 325.671+/-340.620 χ²/NDF: 17.4/18
Left In: -18.080+/-244.630 χ²/NDF:11.9/20
+ sign -179.735+/-201.995 χ²/NDF: 43.8/38
All: -38.128+/-141.651 χ²/NDF: 74.7/78
- sign 98.892+/-198.696 χ²/NDF: 29.9/39

asym_usr_atr1_avg_dit_correction_rms vs Slug



Right In: 961.243+/-0.260 χ^2/NDF: 691875.4/15

Left Out: 1004.691+/-0.171 χ^2/NDF:1596140.3/22

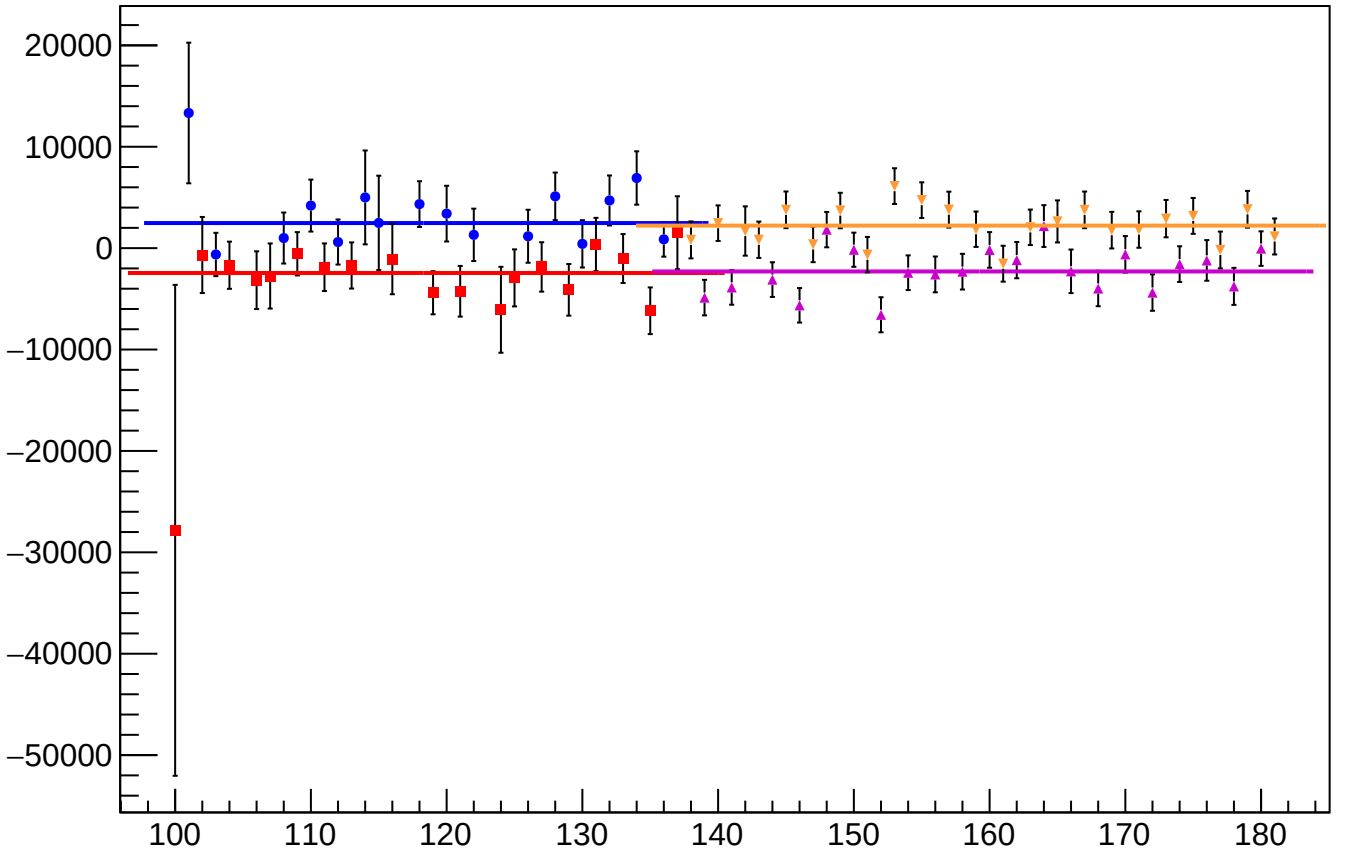
Right Out: 904.736+/-0.241 χ^2/NDF: 736484.7/18

Left In: 989.073+/-0.173 χ^2/NDF:1547340.5/20

+ sign 991.596+/-0.143 χ^2/NDF: 2307498.3/38

All: 975.729+/-0.100 χ^2/NDF: 4696495.0/78

- sign 960.375+/-0.140 χ^2/NDF: 2364713.2/39



Right In: 2475.228+/-633.866 χ^2/NDF: 14.2/15

Left Out: 2222.256+/-377.284 χ^2/NDF:23.0/22

Right Out: -2449.053+/-617.532 χ^2/NDF: 10.6/18

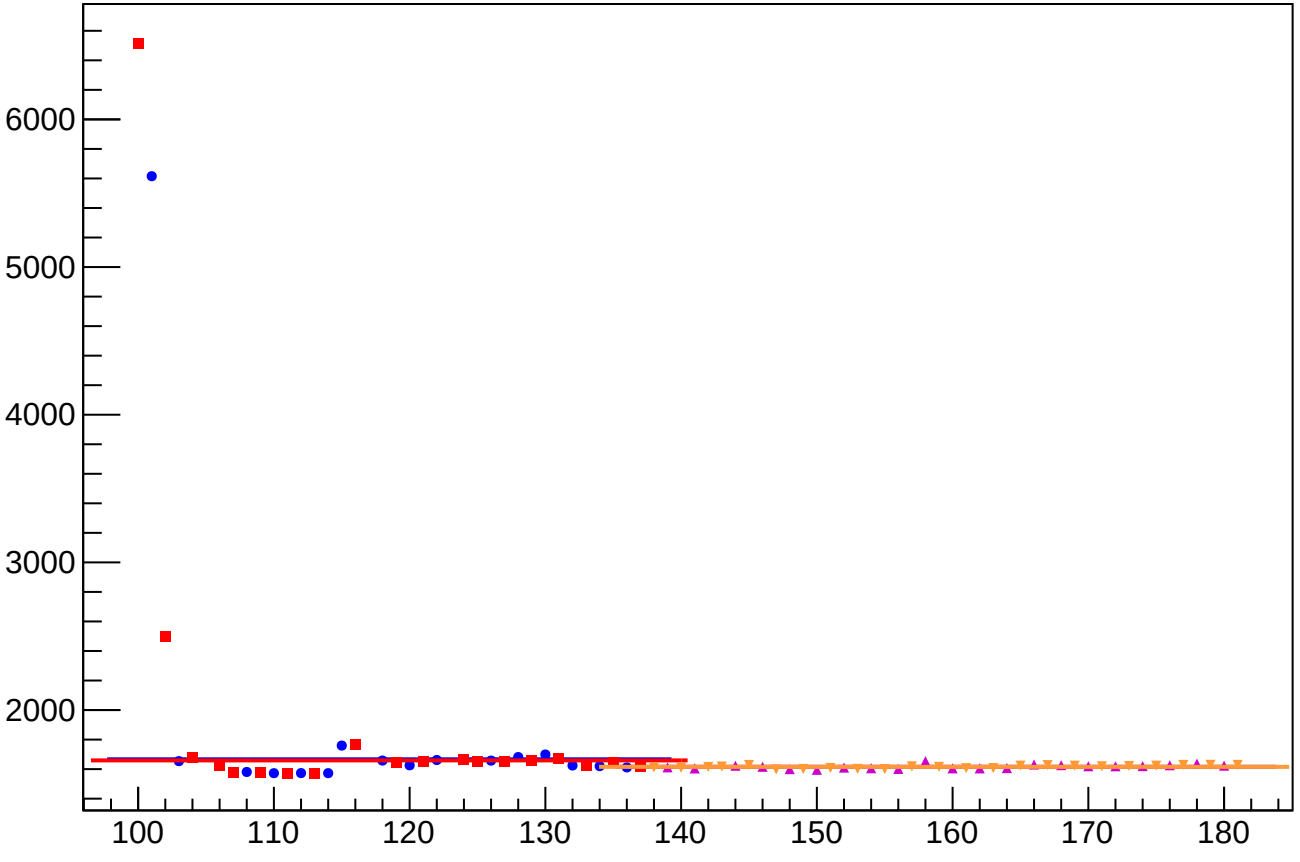
Left In: -2300.195+/-389.039 χ^2/NDF:33.0/20

+ sign 2288.433+/-324.201 χ^2/NDF: 37.4/38

All: 8.147+/-230.980 χ^2/NDF: 181.4/78

- sign -2342.489+/-329.164 χ^2/NDF: 43.6/39

eigen_dit_asym_usr_atr1_avg_rms vs Slug



Right In: 1666.400+/-0.448 χ^2/NDF: 662914.5/15

Left Out: 1615.387+/-0.267 χ^2/NDF:1427.7/22

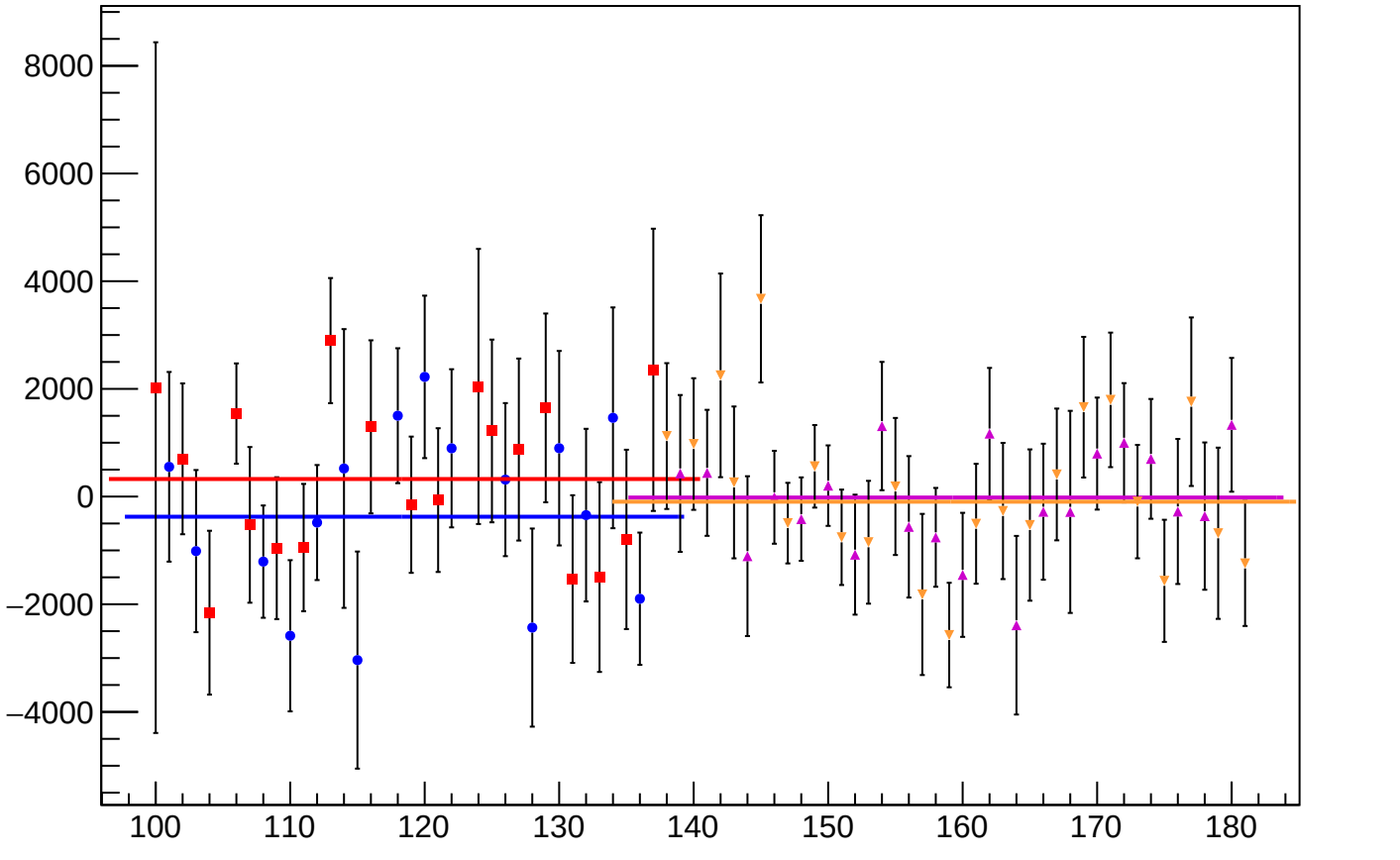
Right Out: 1659.004+/-0.437 χ^2/NDF: 193223.5/18

Left In: 1615.997+/-0.275 χ^2/NDF:2525.1/20

+ sign 1628.732+/-0.229 χ^2/NDF: 673907.3/38

All: 1628.478+/-0.163 χ^2/NDF: 876602.7/78

- sign 1628.217+/-0.233 χ^2/NDF: 202692.9/39



Right In: -374.590+/-367.943 χ^2/NDF: 15.7/15

Left Out: -95.676+/-241.670 χ^2/NDF:27.7/22

Right Out: 325.670+/-340.619 χ^2/NDF: 17.4/18

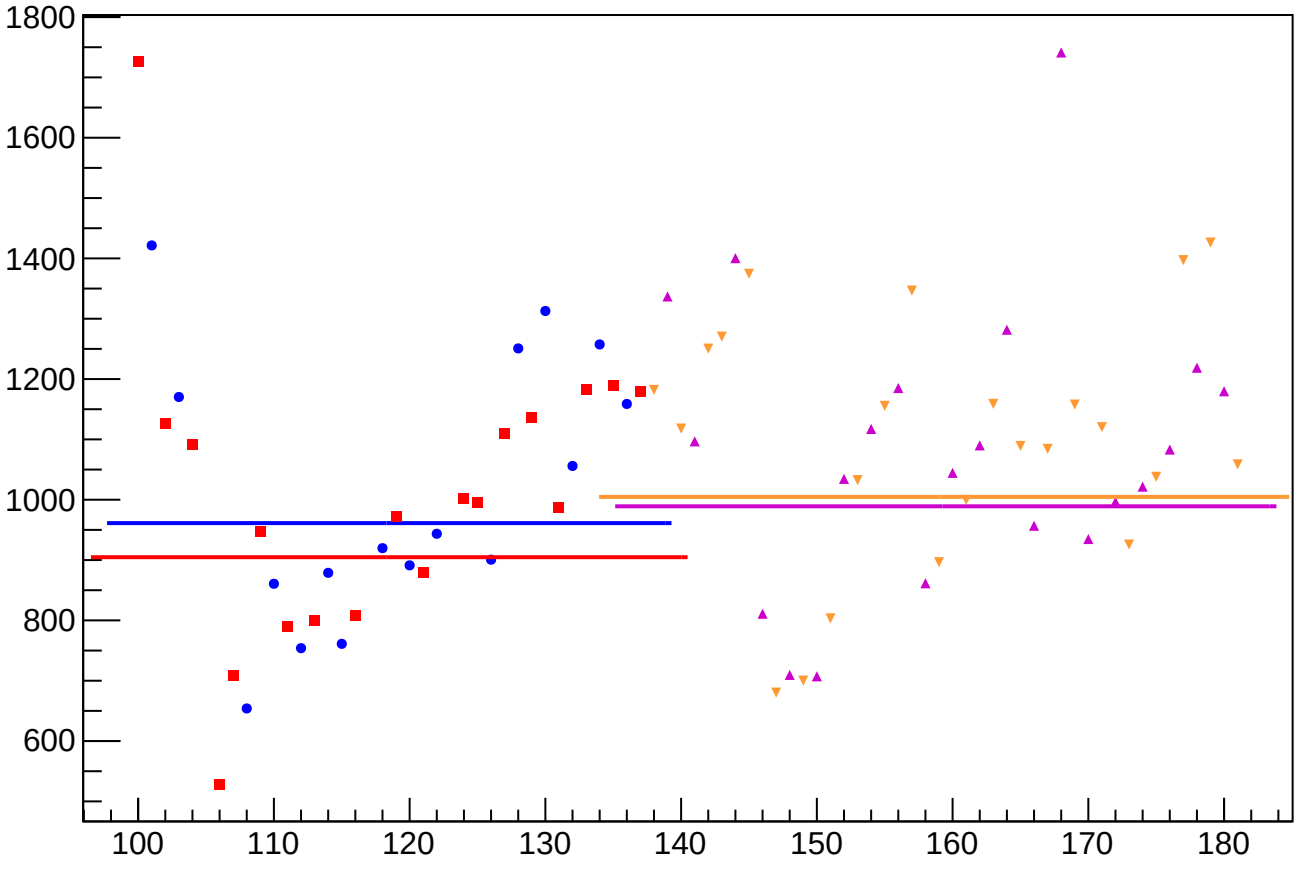
Left In: -18.081+/-244.630 χ^2/NDF:11.9/20

+ sign -179.736+/-201.995 χ^2/NDF: 43.8/38

All: -38.128+/-141.651 χ^2/NDF: 74.7/78

- sign 98.892+/-198.696 χ^2/NDF: 29.9/39

asym_usr_atr1_avg_eigen_dit_correction_rms vs Slug



Right In: 961.239+/-0.260 χ^2/NDF: 691883.4/15

Left Out: 1004.693+/-0.171 χ^2/NDF:1596142.5/22

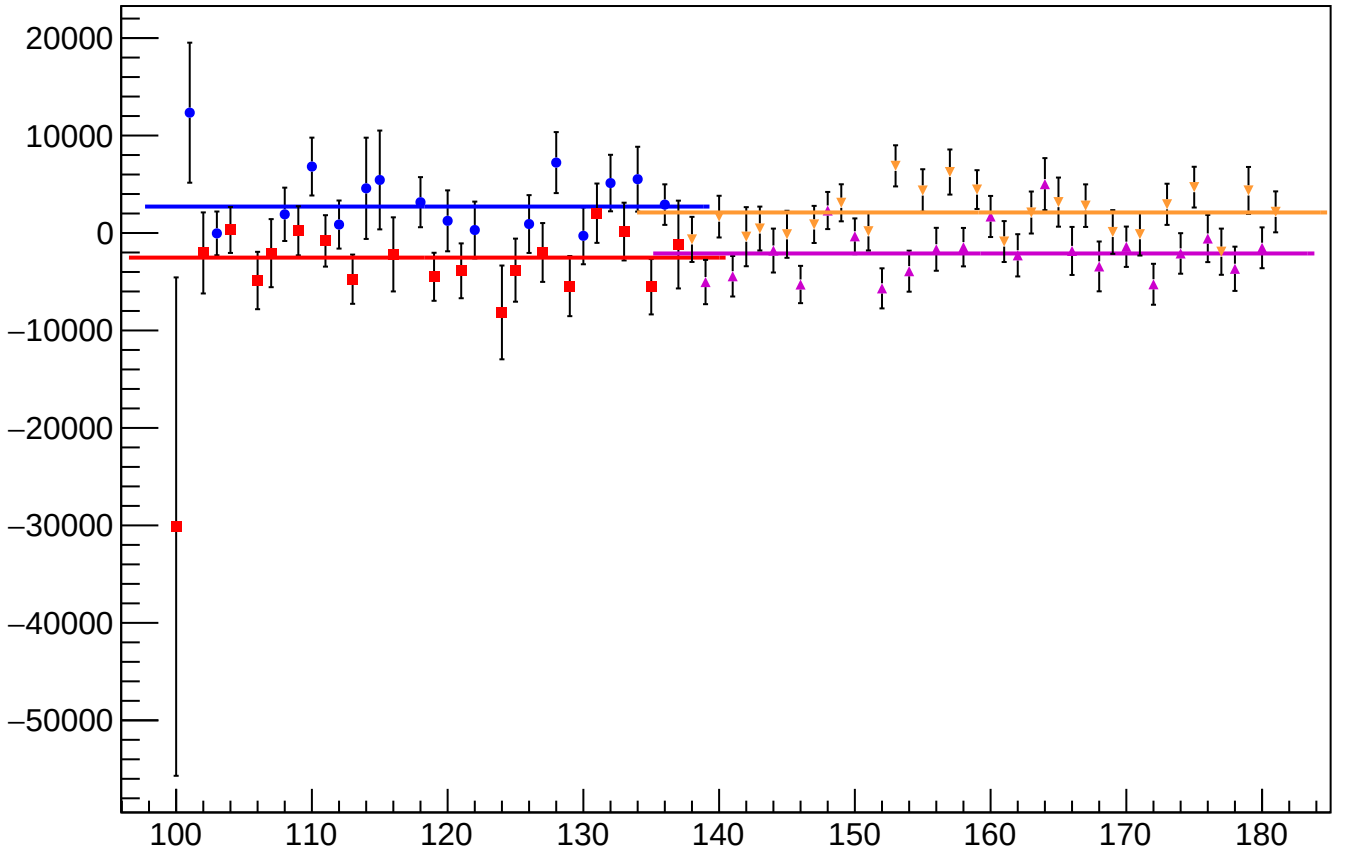
Right Out: 904.734+/-0.241 χ^2/NDF: 736482.2/18

Left In: 989.075+/-0.173 χ^2/NDF:1547342.9/20

+ sign 991.596+/-0.143 χ^2/NDF: 2307514.0/38

All: 975.729+/-0.100 χ^2/NDF: 4696519.1/78

- sign 960.375+/-0.140 χ^2/NDF: 2364721.9/39



Right In: 2711.394+/-735.088 χ^2/NDF: 12.1/15

Left Out: 2106.983+/-455.771 χ^2/NDF:25.6/22

Right Out: -2525.536+/-706.449 χ^2/NDF: 13.2/18

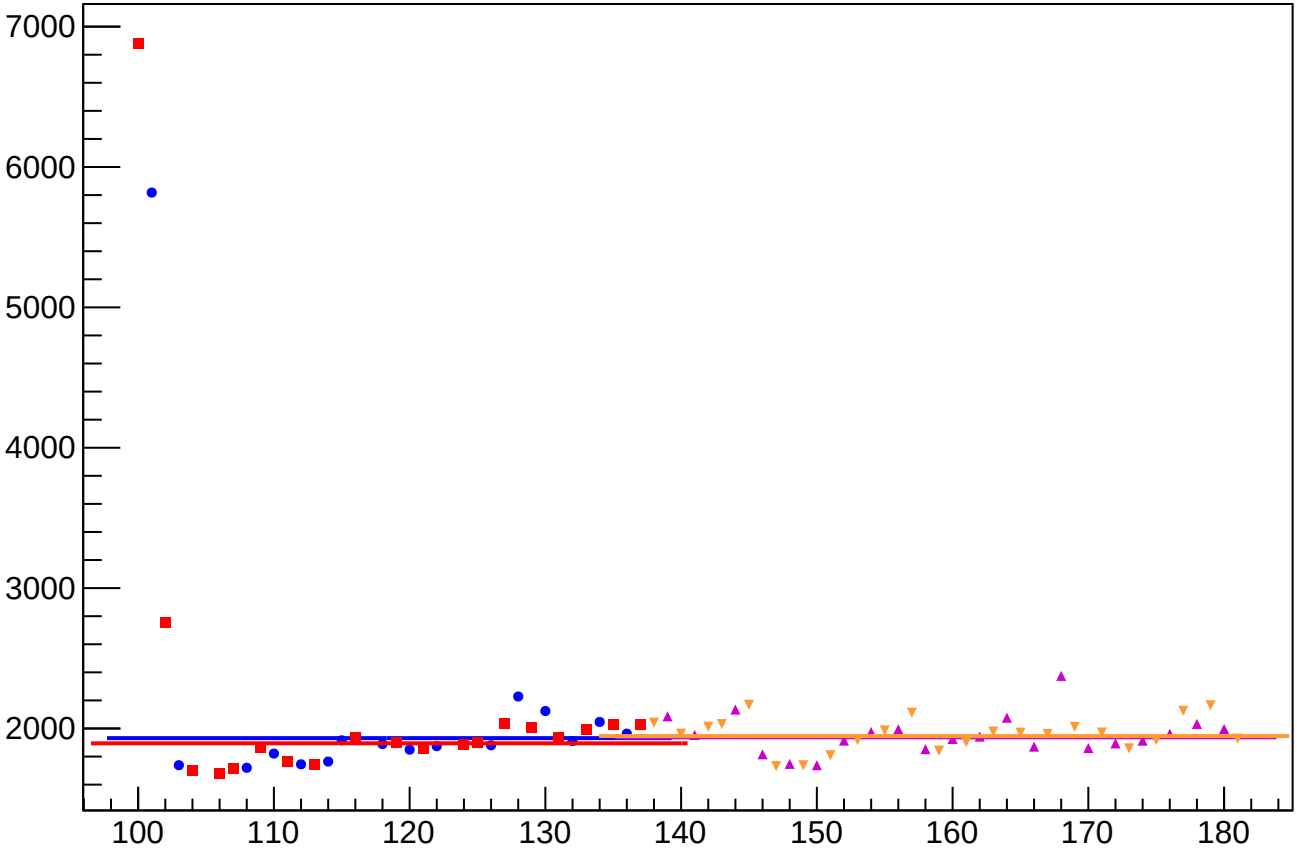
Left In: -2100.367+/-467.626 χ^2/NDF:29.9/20

+ sign 2274.816+/-387.357 χ^2/NDF: 38.2/38

All: 37.410+/-274.810 χ^2/NDF: 148.8/78

- sign -2229.903+/-389.937 χ^2/NDF: 43.4/39

asym_usr_atr1_avg_rms vs Slug



Right In: 1931.250+/-0.520 χ^2/NDF: 661227.1/15

Left Out: 1946.019+/-0.322 χ^2/NDF:135760.3/22

Right Out: 1894.349+/-0.500 χ^2/NDF: 220541.1/18

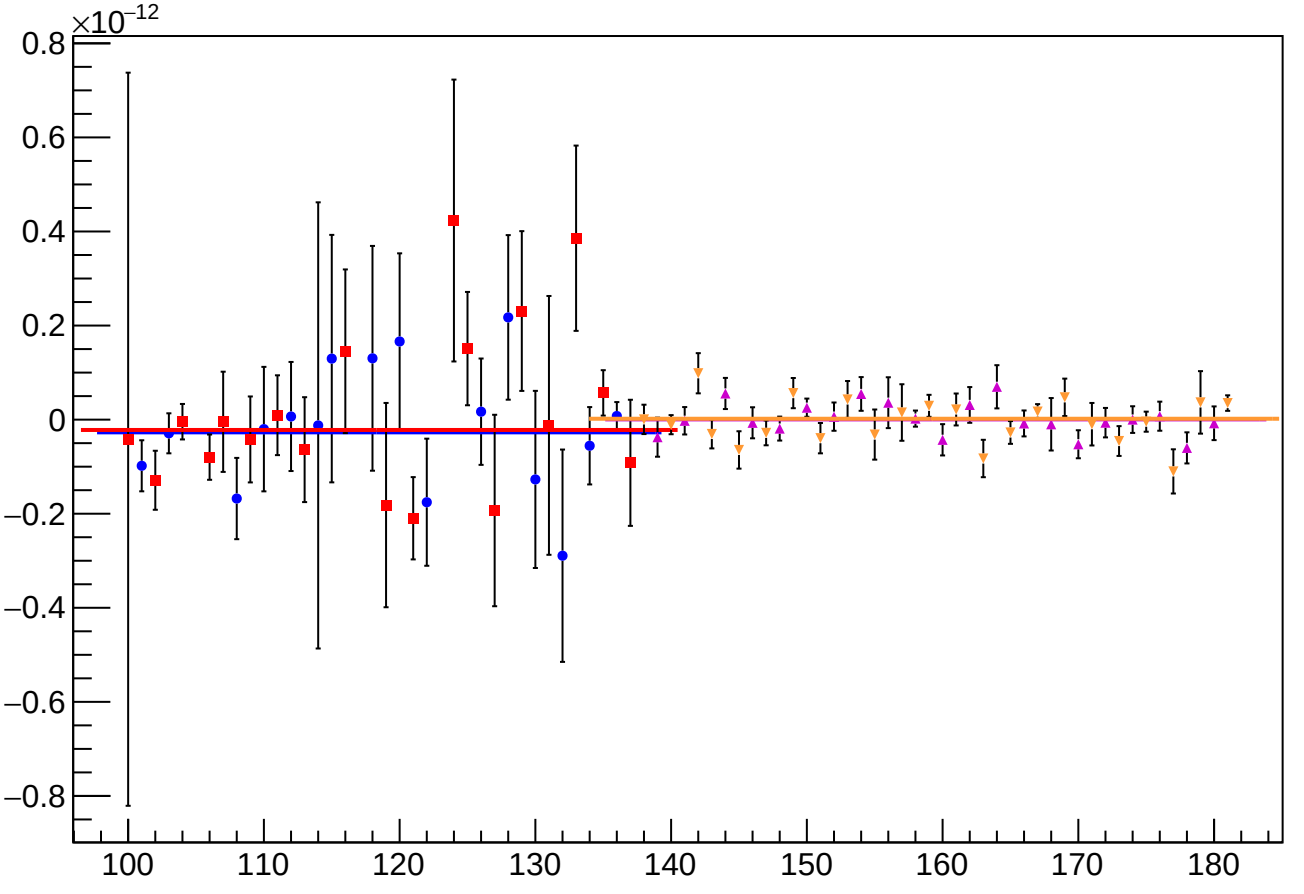
Left In: 1936.927+/-0.331 χ^2/NDF:156108.6/20

+ sign 1941.918+/-0.274 χ^2/NDF: 797570.5/38

All: 1932.996+/-0.194 χ^2/NDF: 1181408.1/78

- sign 1923.955+/-0.276 χ^2/NDF: 381701.4/39

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:39.1/22

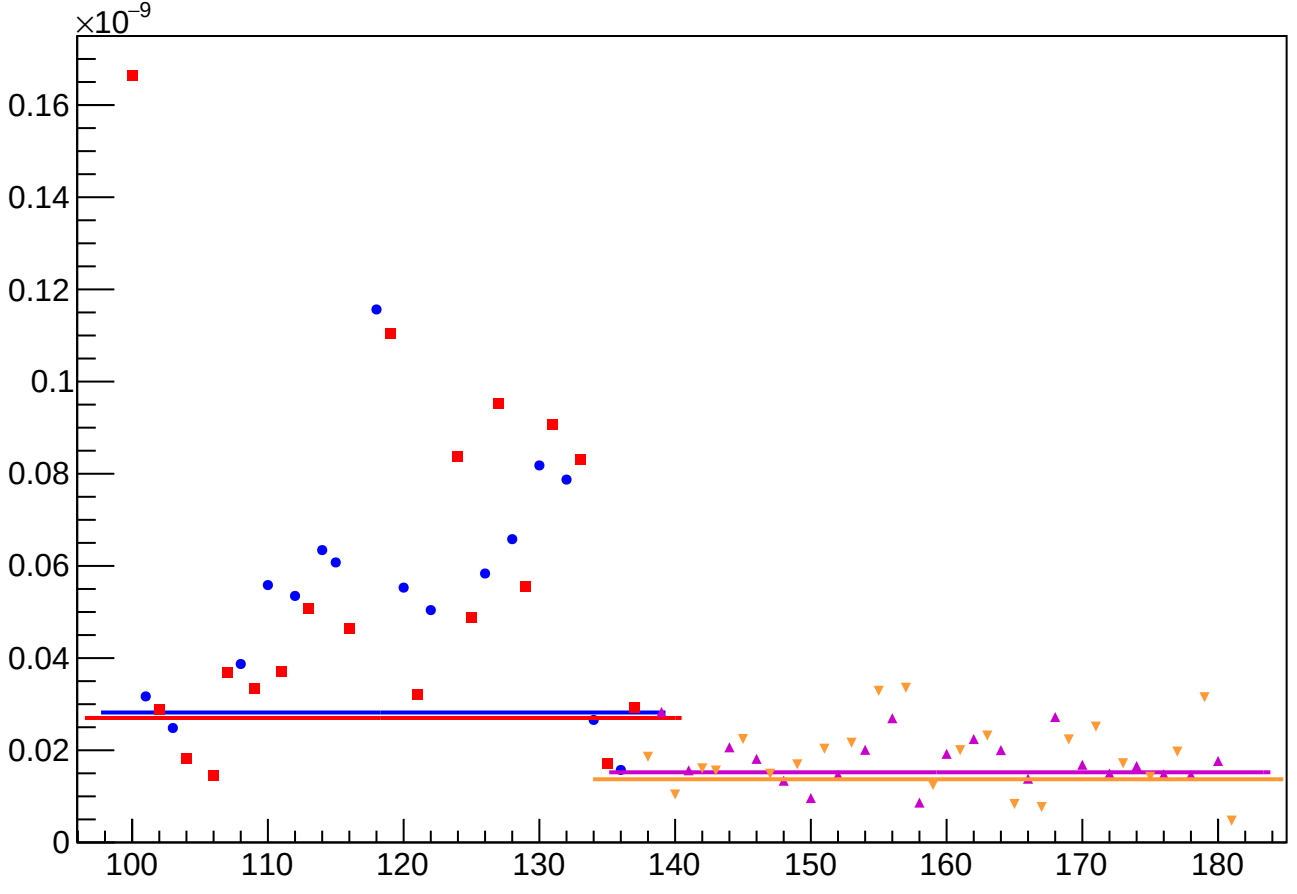
Right Out: -0.000+/-0.000 χ^2/NDF: 25.4/18

Left In: 0.000+/-0.000 χ^2/NDF:20.1/20

+ sign -0.000+/-0.000 χ^2/NDF: 53.9/38

All: -0.000+/-0.000 χ^2/NDF: 100.6/78

- sign -0.000+/-0.000 χ^2/NDF: 46.7/39



Right In: 0.000+/-0.000 χ^2/NDF: 1490571.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:2471518.7/22

Right Out: 0.000+/-0.000 χ^2/NDF: 1556165.9/18

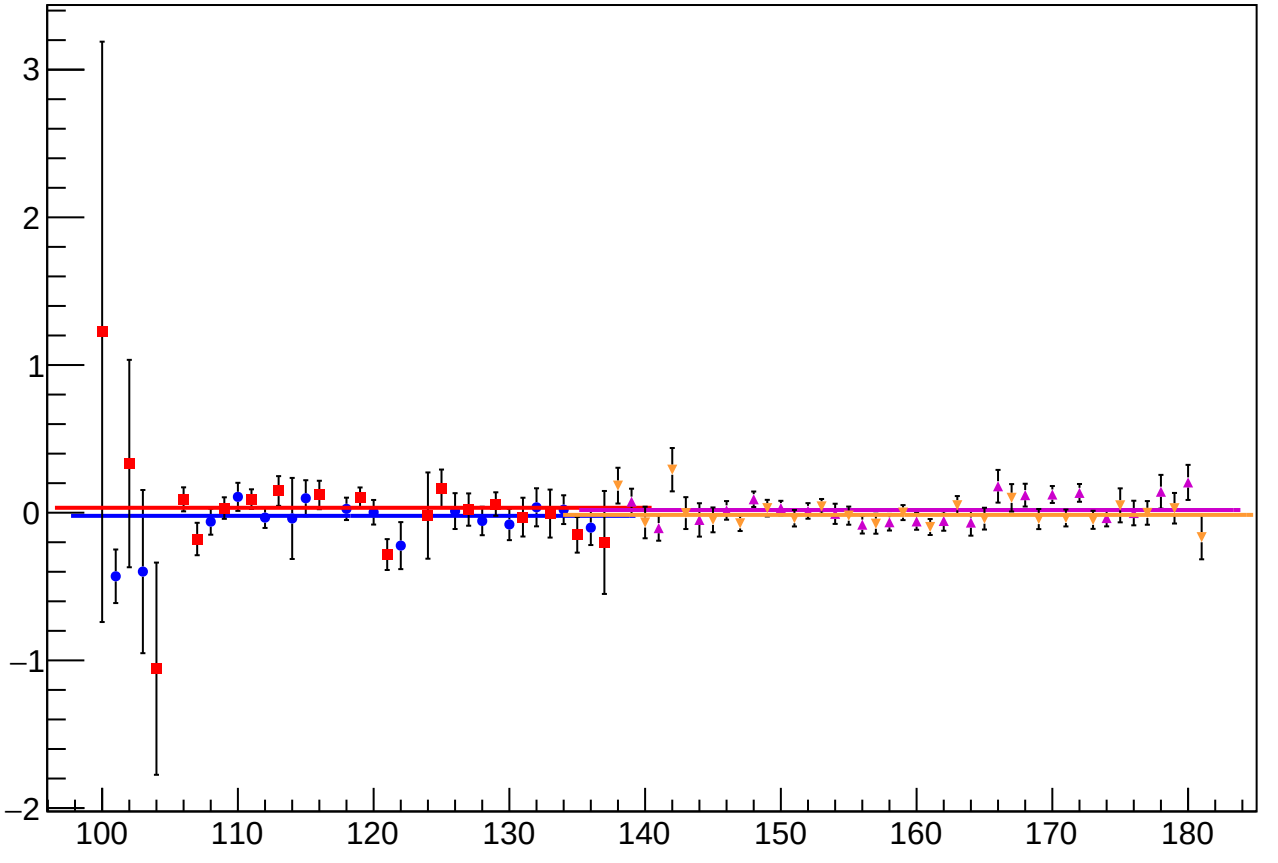
Left In: 0.000+/-0.000 χ^2/NDF:1114270.8/20

+ sign 0.000+/-0.000 χ^2/NDF: 5003758.8/38

All: 0.000+/-0.000 χ^2/NDF: 8397057.0/78

- sign 0.000+/-0.000 χ^2/NDF: 3334926.2/39

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: -0.015+/-0.015 χ^2/NDF:18.8/22

Right Out: 0.033+/-0.025 χ^2/NDF: 24.4/18

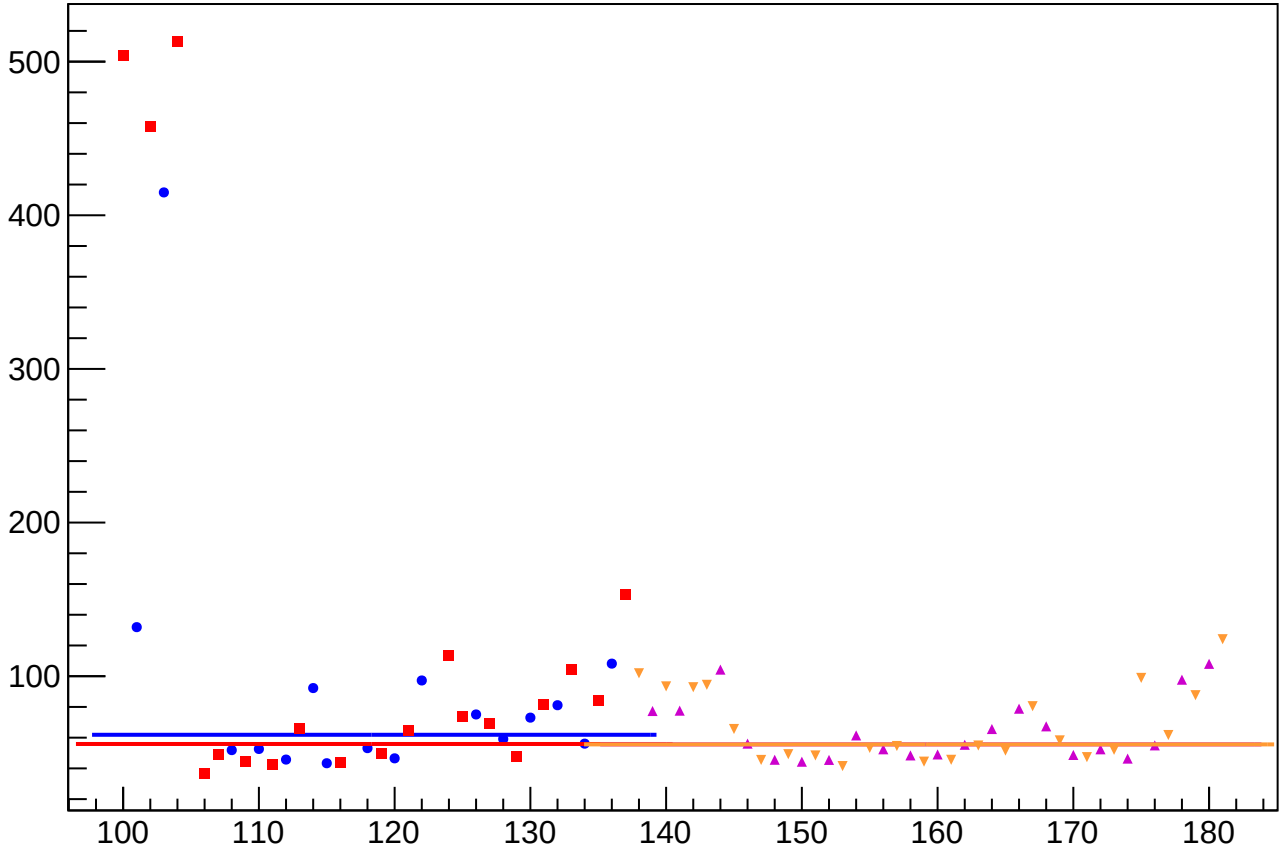
Left In: 0.018+/-0.015 χ^2/NDF:29.4/20

+ sign -0.016+/-0.013 χ^2/NDF: 30.9/38

All: 0.003+/-0.009 χ^2/NDF: 89.6/78

- sign 0.022+/-0.013 χ^2/NDF: 54.1/39

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: 55.619+/-0.010 χ^2/NDF:2522902.5/22

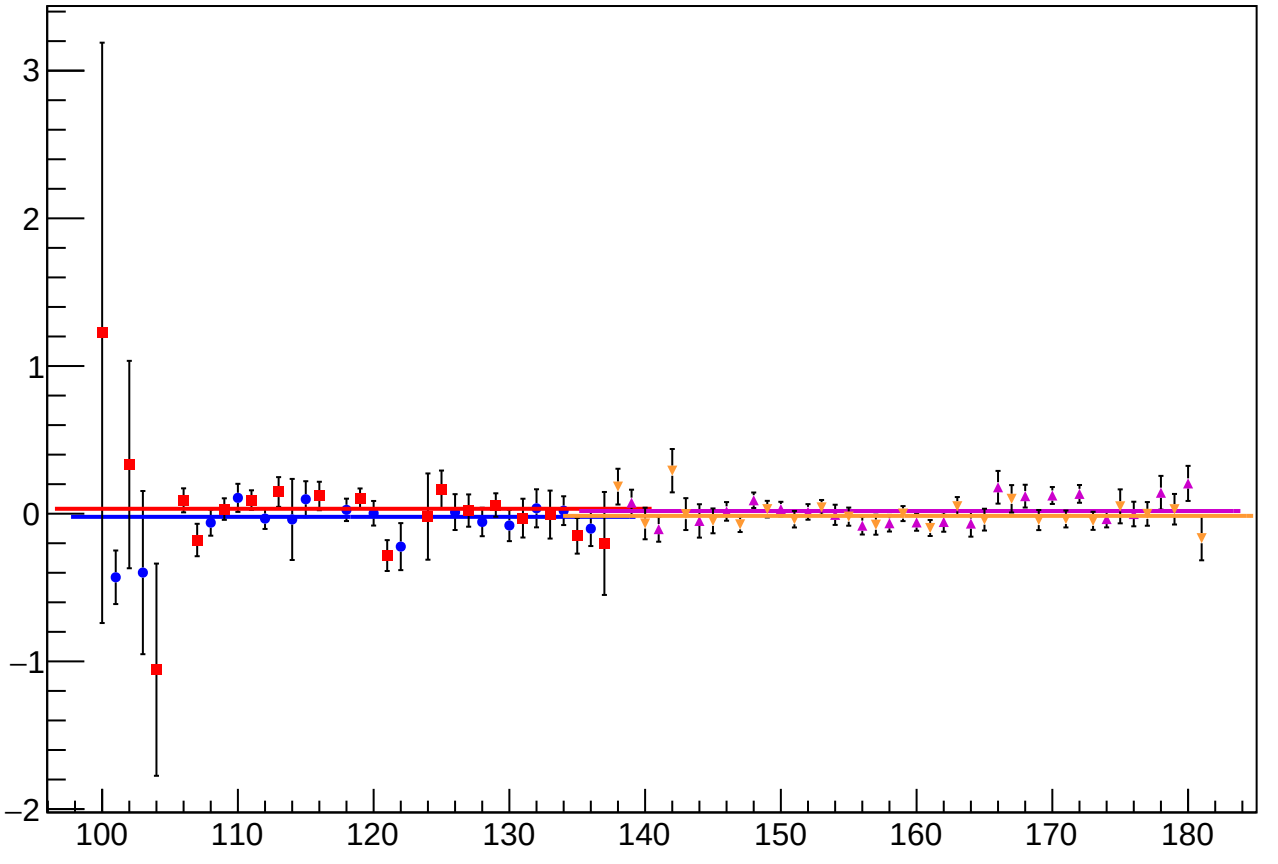
Right Out: 55.887+/-0.017 χ^2/NDF: 2591275.8/18

Left In: 55.625+/-0.010 χ^2/NDF:1866511.2/20

+ sign 57.056+/-0.009 χ^2/NDF: 4546377.6/38

All: 56.368+/-0.006 χ^2/NDF: 9015904.0/78

- sign 55.694+/-0.009 χ^2/NDF: 4457954.5/39



Right In: -0.021+/-0.027 χ^2/NDF: 12.0/15

Left Out: -0.015+/-0.015 χ^2/NDF:18.8/22

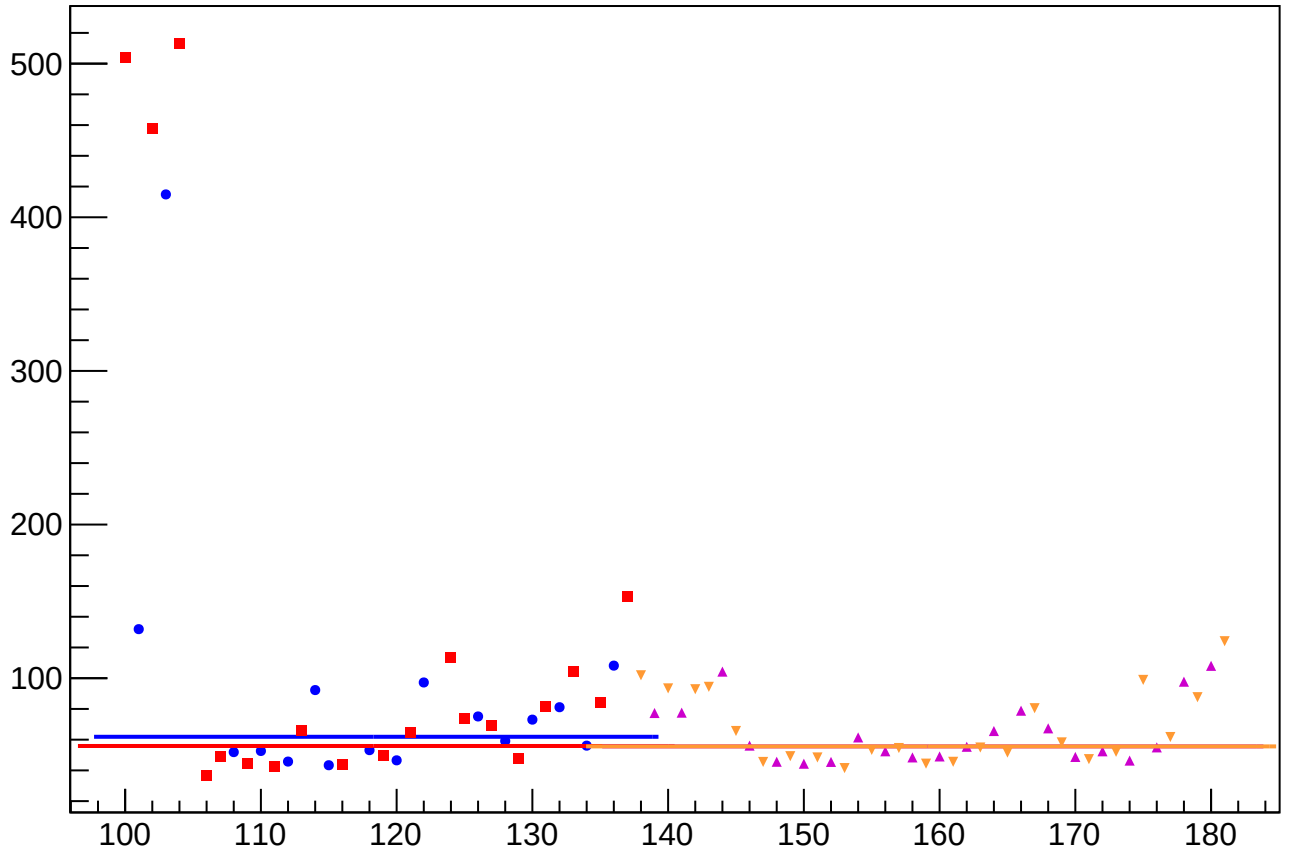
Right Out: 0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: 0.018+/-0.015 χ^2/NDF:29.4/20

+ sign -0.016+/-0.013 χ^2/NDF: 30.9/38

All: 0.003+/-0.009 χ^2/NDF: 89.6/78

- sign 0.022+/-0.013 χ^2/NDF: 54.1/39



Right In: 61.876+/-0.019 χ^2/NDF: 1937953.9/15

Left Out: 55.619+/-0.010 χ^2/NDF:2522902.5/22

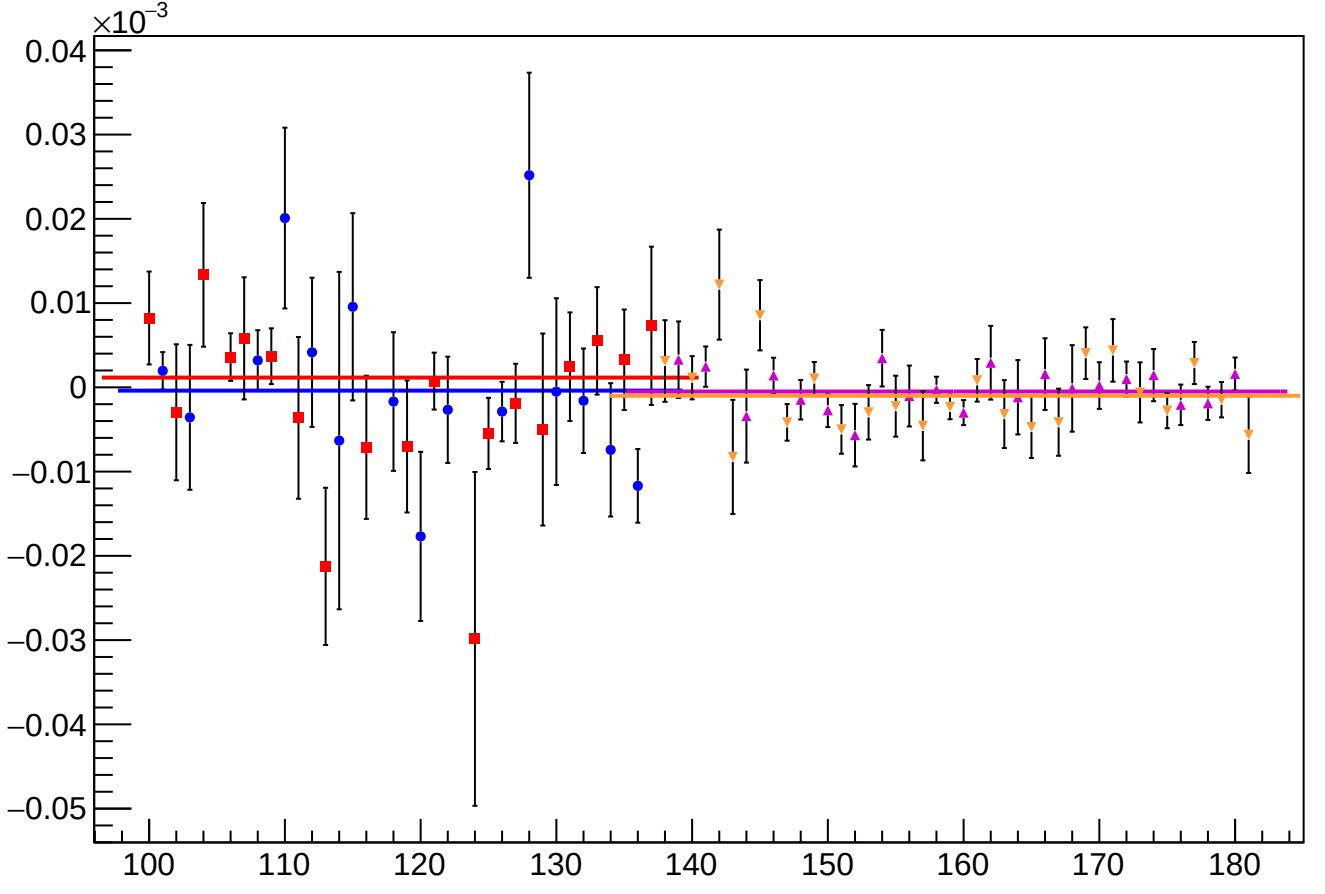
Right Out: 55.887+/-0.017 χ^2/NDF: 2591275.8/18

Left In: 55.625+/-0.010 χ^2/NDF:1866511.2/20

+ sign 57.056+/-0.009 χ^2/NDF: 4546377.6/38

All: 56.368+/-0.006 χ^2/NDF: 9015904.0/78

- sign 55.694+/-0.009 χ^2/NDF: 4457954.5/39



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:30.6/22

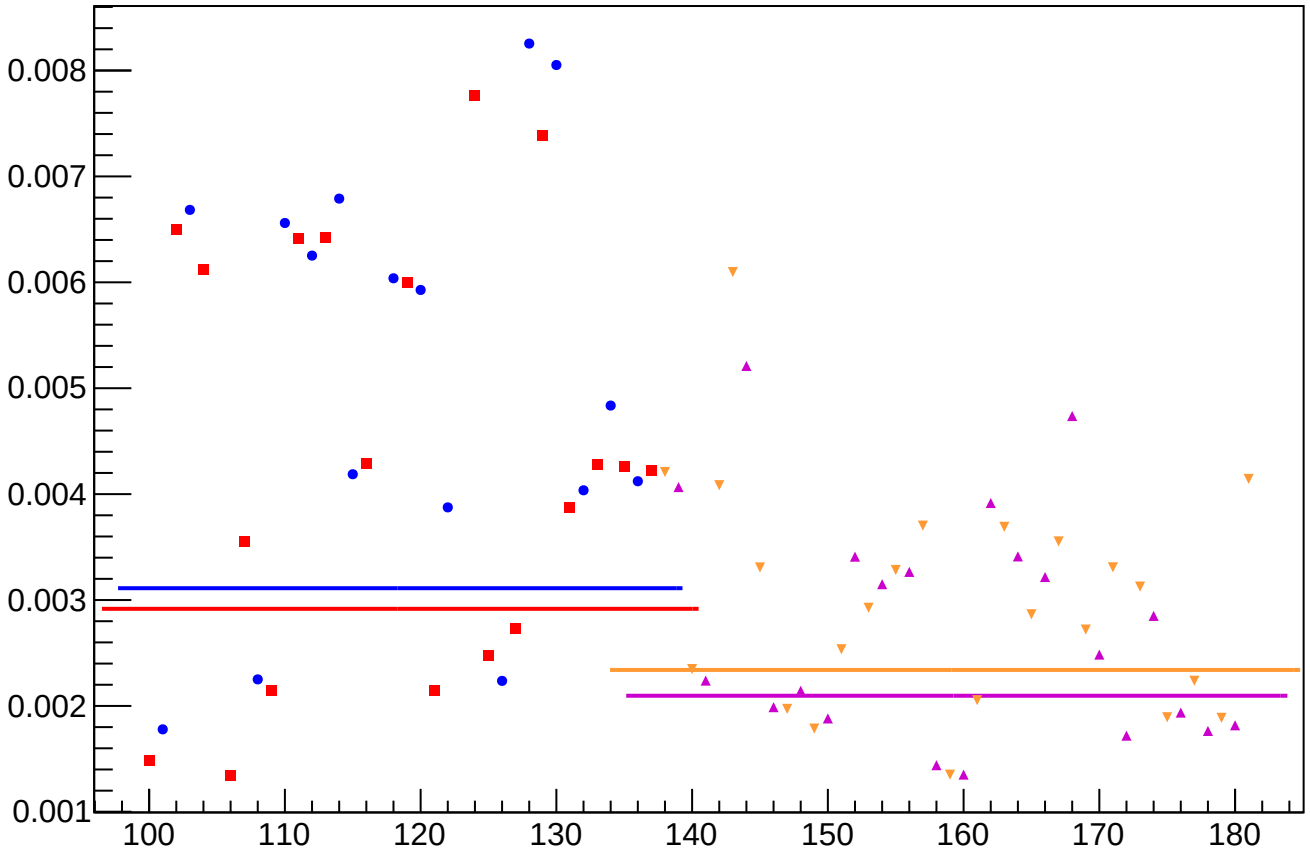
Right Out: 0.000+/-0.000 χ^2/NDF: 20.4/18

Left In: -0.000+/-0.000 χ^2/NDF:14.9/20

+ sign -0.000+/-0.000 χ^2/NDF: 53.3/38

All: -0.000+/-0.000 χ^2/NDF: 91.0/78

- sign -0.000+/-0.000 χ^2/NDF: 36.8/39



Right In: 0.003+/-0.000 χ^2/NDF: 3283915.1/15

Left Out: 0.002+/-0.000 χ^2/NDF:3975005.7/22

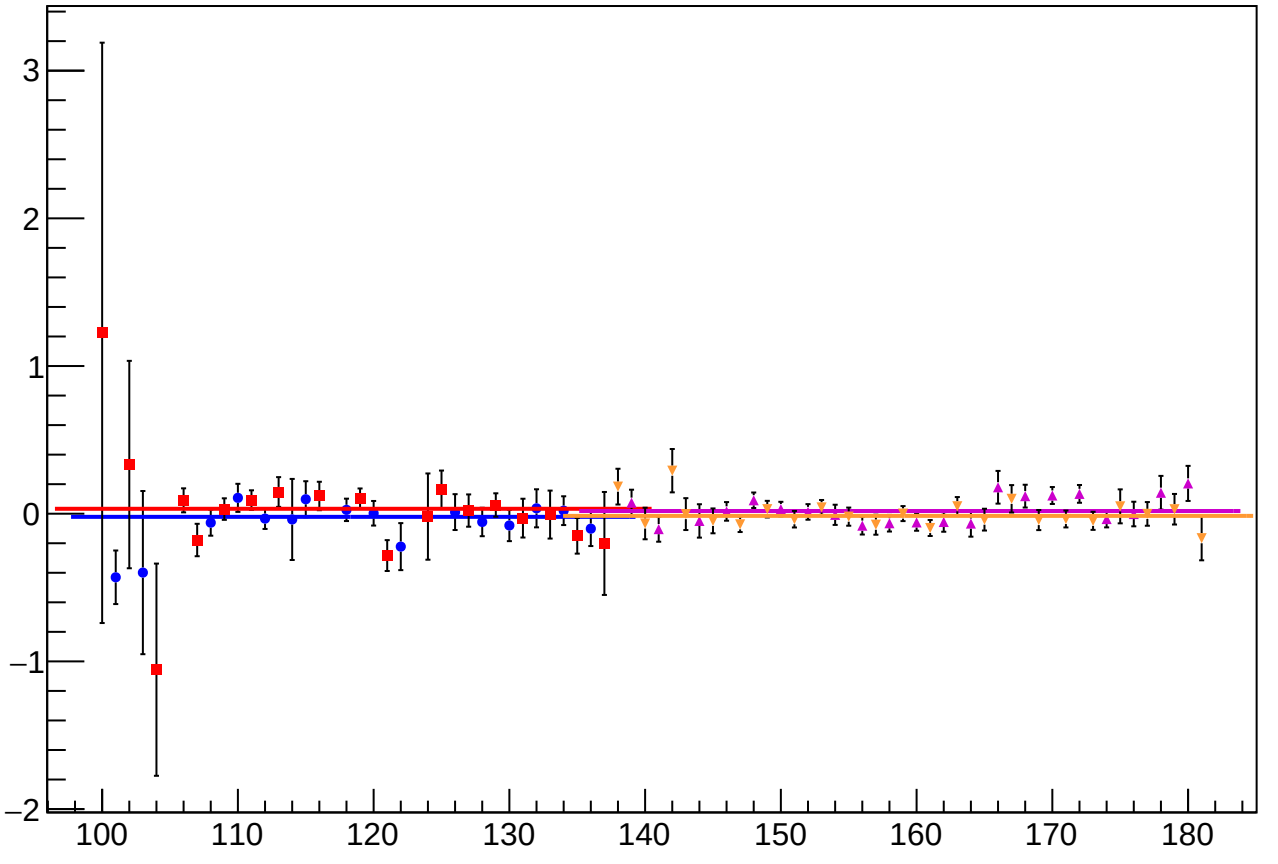
Right Out: 0.003+/-0.000 χ^2/NDF: 3295506.1/18

Left In: 0.002+/-0.000 χ^2/NDF:4088763.7/20

+ sign 0.002+/-0.000 χ^2/NDF: 7820334.1/38

All: 0.002+/-0.000 χ^2/NDF: 16141228.4/78

- sign 0.002+/-0.000 χ^2/NDF: 8106816.3/39



Right In: -0.021+/-0.027 χ^2/NDF: 12.0/15

Left Out: -0.015+/-0.015 χ^2/NDF:18.8/22

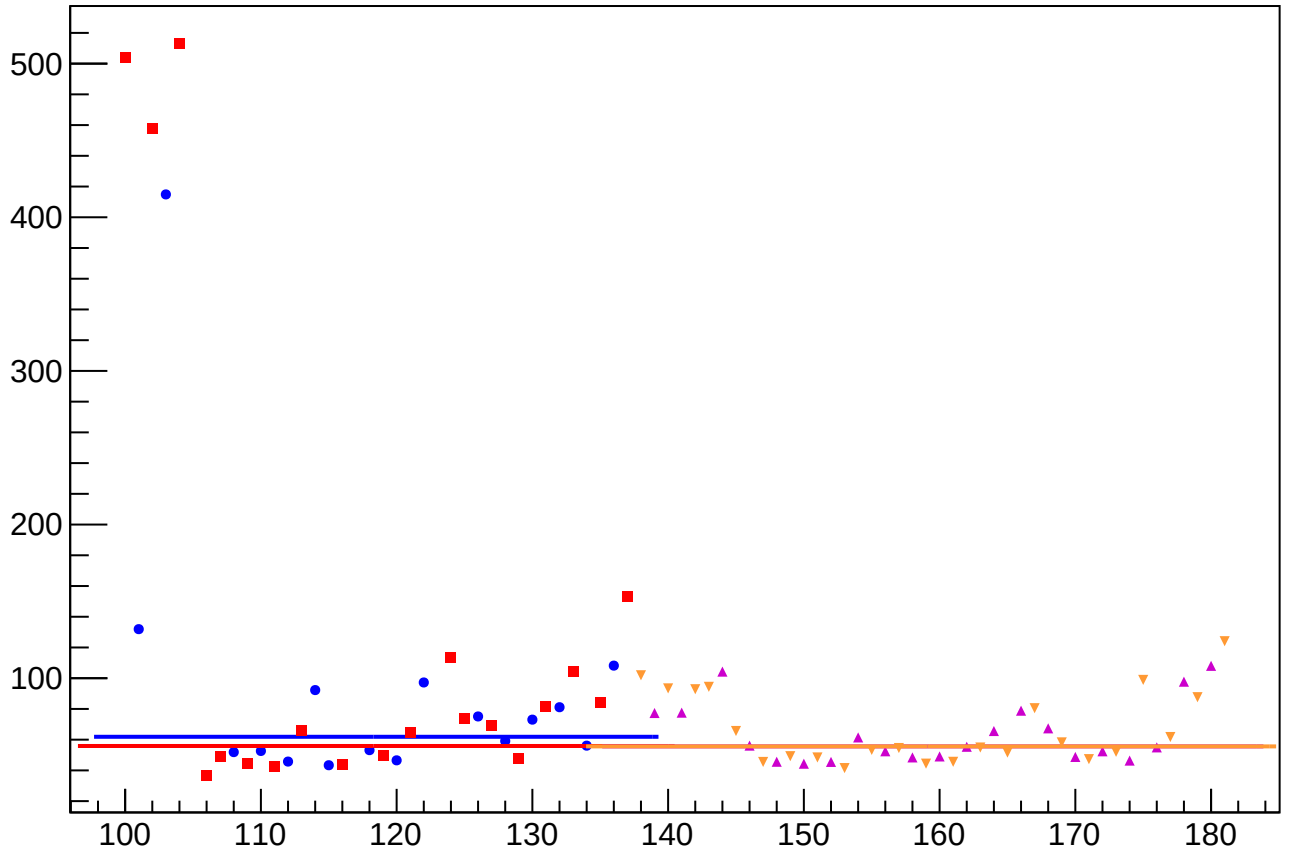
Right Out: 0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: 0.018+/-0.015 χ^2/NDF:29.4/20

+ sign -0.016+/-0.013 χ^2/NDF: 30.9/38

All: 0.003+/-0.009 χ^2/NDF: 89.6/78

- sign 0.022+/-0.013 χ^2/NDF: 54.1/39



Right In: 61.875+/-0.019 χ^2/NDF: 1937904.4/15

Left Out: 55.619+/-0.010 χ^2/NDF:2522961.6/22

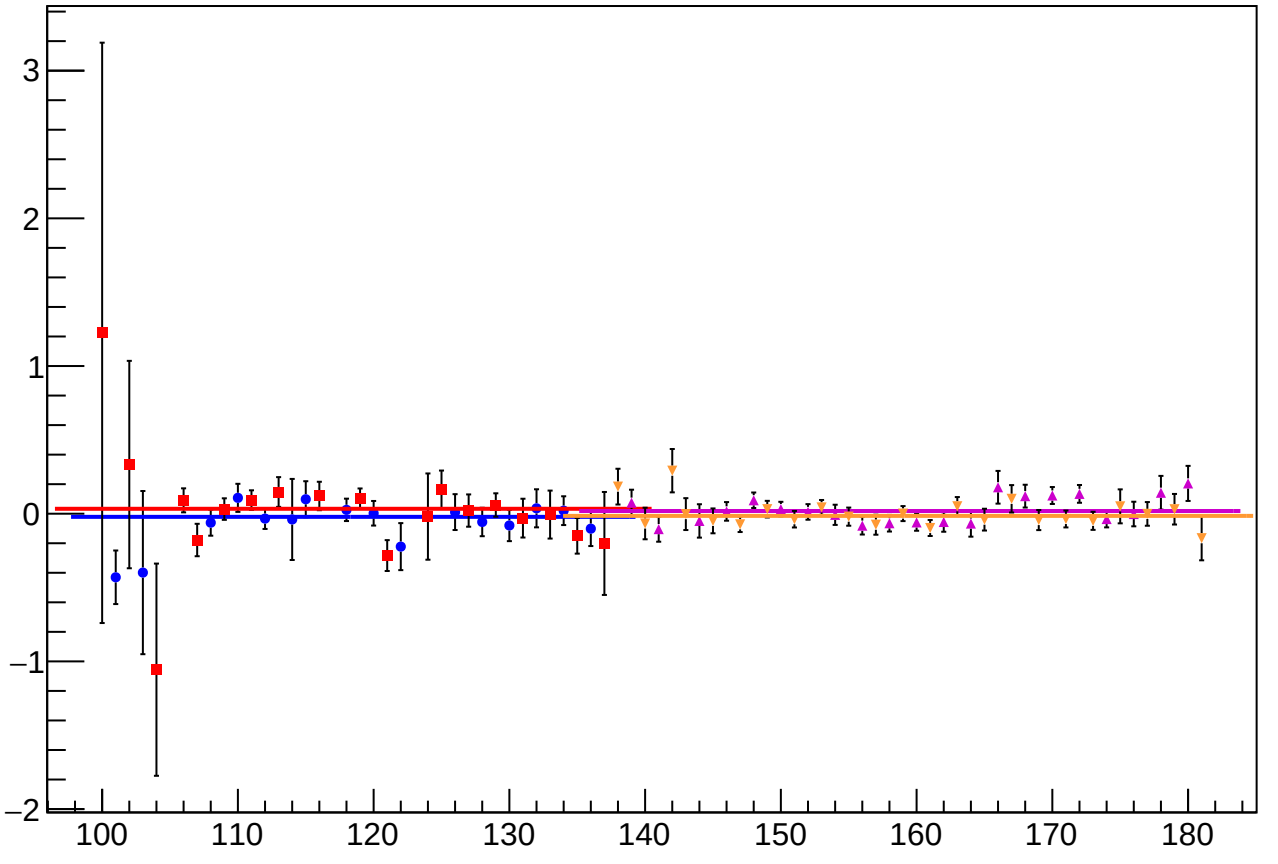
Right Out: 55.886+/-0.017 χ^2/NDF: 2591233.7/18

Left In: 55.625+/-0.010 χ^2/NDF:1866507.7/20

+ sign 57.056+/-0.009 χ^2/NDF: 4546365.4/38

All: 56.368+/-0.006 χ^2/NDF: 9015847.1/78

- sign 55.694+/-0.009 χ^2/NDF: 4457907.7/39



Right In: -0.021+/-0.027 χ^2/NDF: 12.0/15

Left Out: -0.015+/-0.015 χ^2/NDF:18.8/22

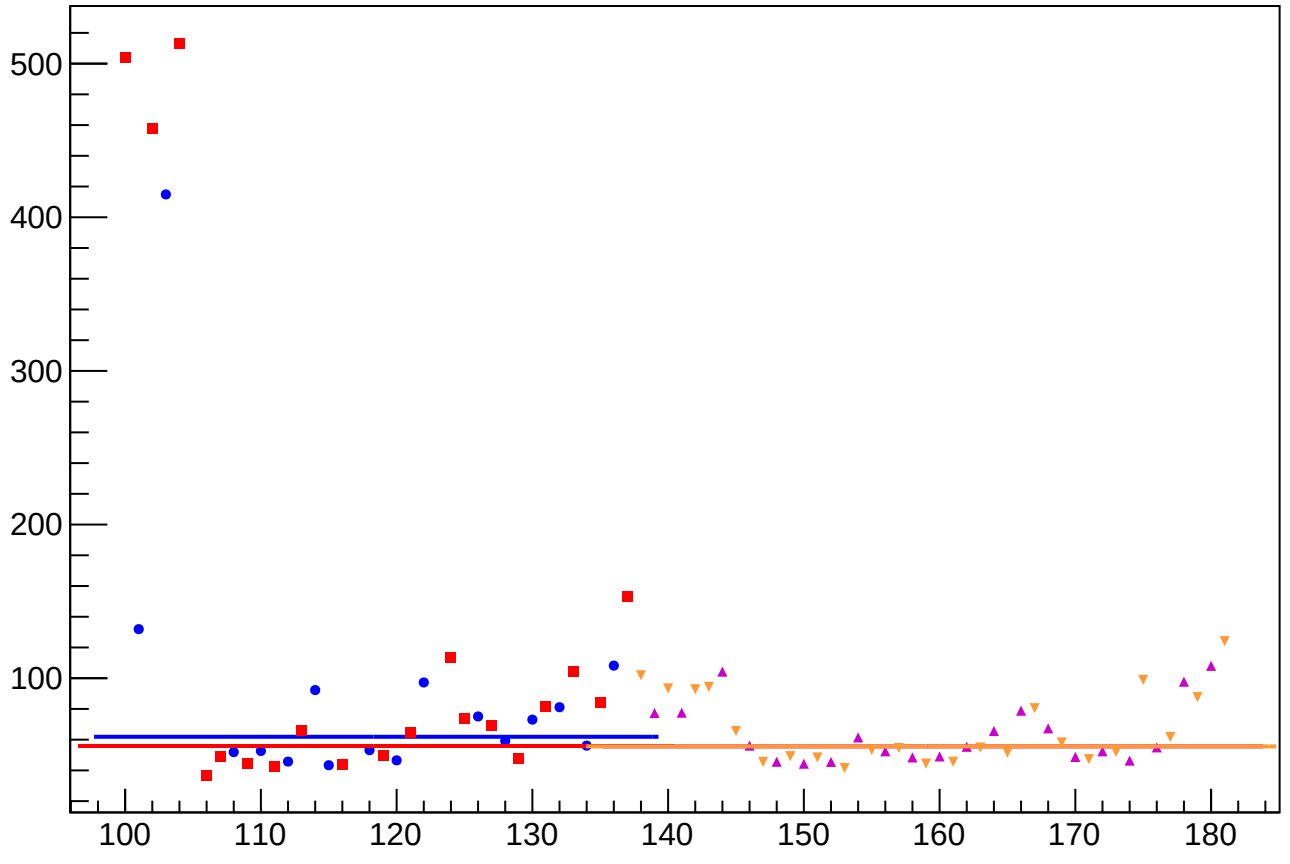
Right Out: 0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: 0.018+/-0.015 χ^2/NDF:29.4/20

+ sign -0.016+/-0.013 χ^2/NDF: 30.9/38

All: 0.003+/-0.009 χ^2/NDF: 89.6/78

- sign 0.022+/-0.013 χ^2/NDF: 54.1/39



Right In: 61.875+/-0.019 χ^2/NDF: 1937904.4/15

Left Out: 55.619+/-0.010 χ^2/NDF:2522961.6/22

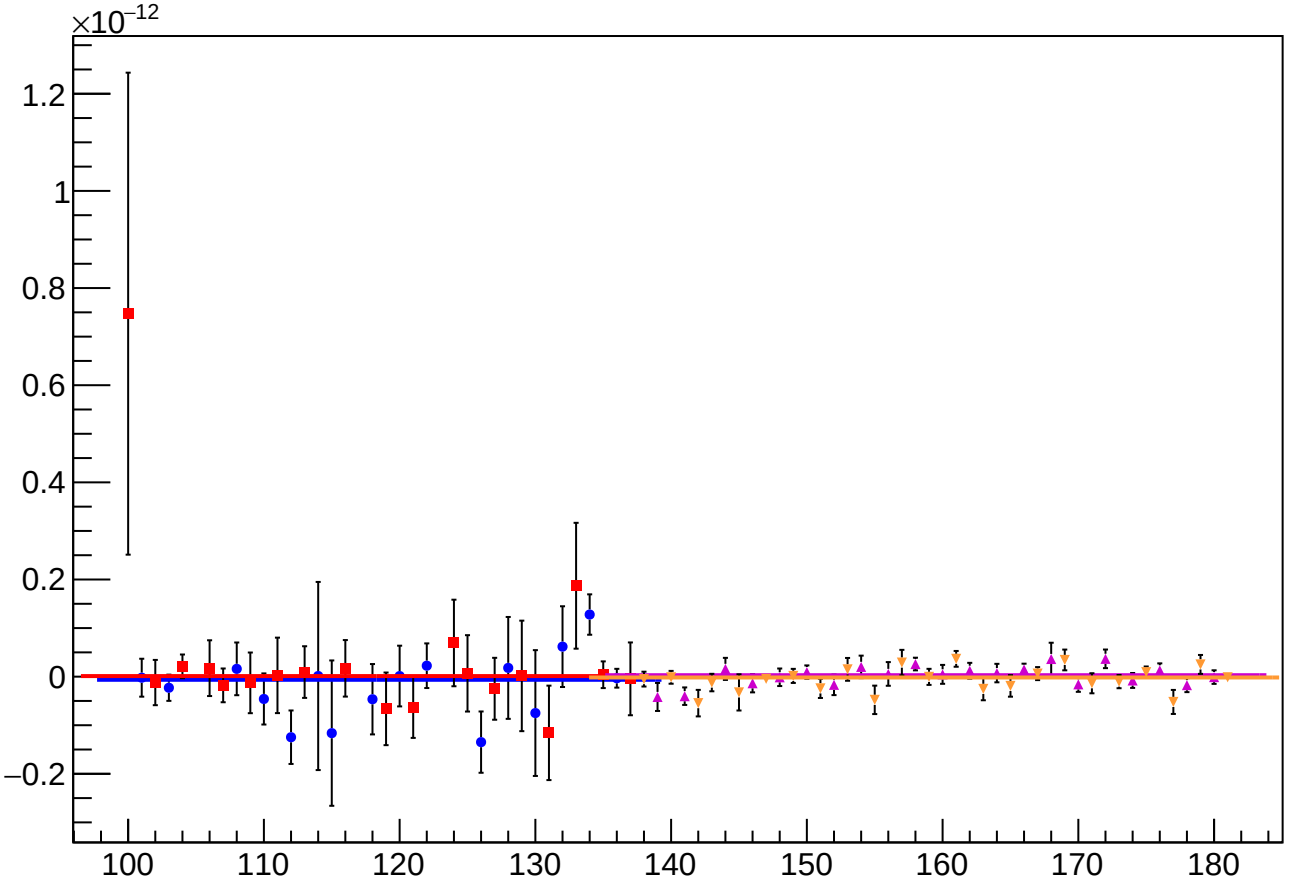
Right Out: 55.886+/-0.017 χ^2/NDF: 2591233.7/18

Left In: 55.625+/-0.010 χ^2/NDF:1866507.7/20

+ sign 57.056+/-0.009 χ^2/NDF: 4546365.4/38

All: 56.368+/-0.006 χ^2/NDF: 9015847.1/78

- sign 55.694+/-0.009 χ^2/NDF: 4457907.7/39



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:28.6/22

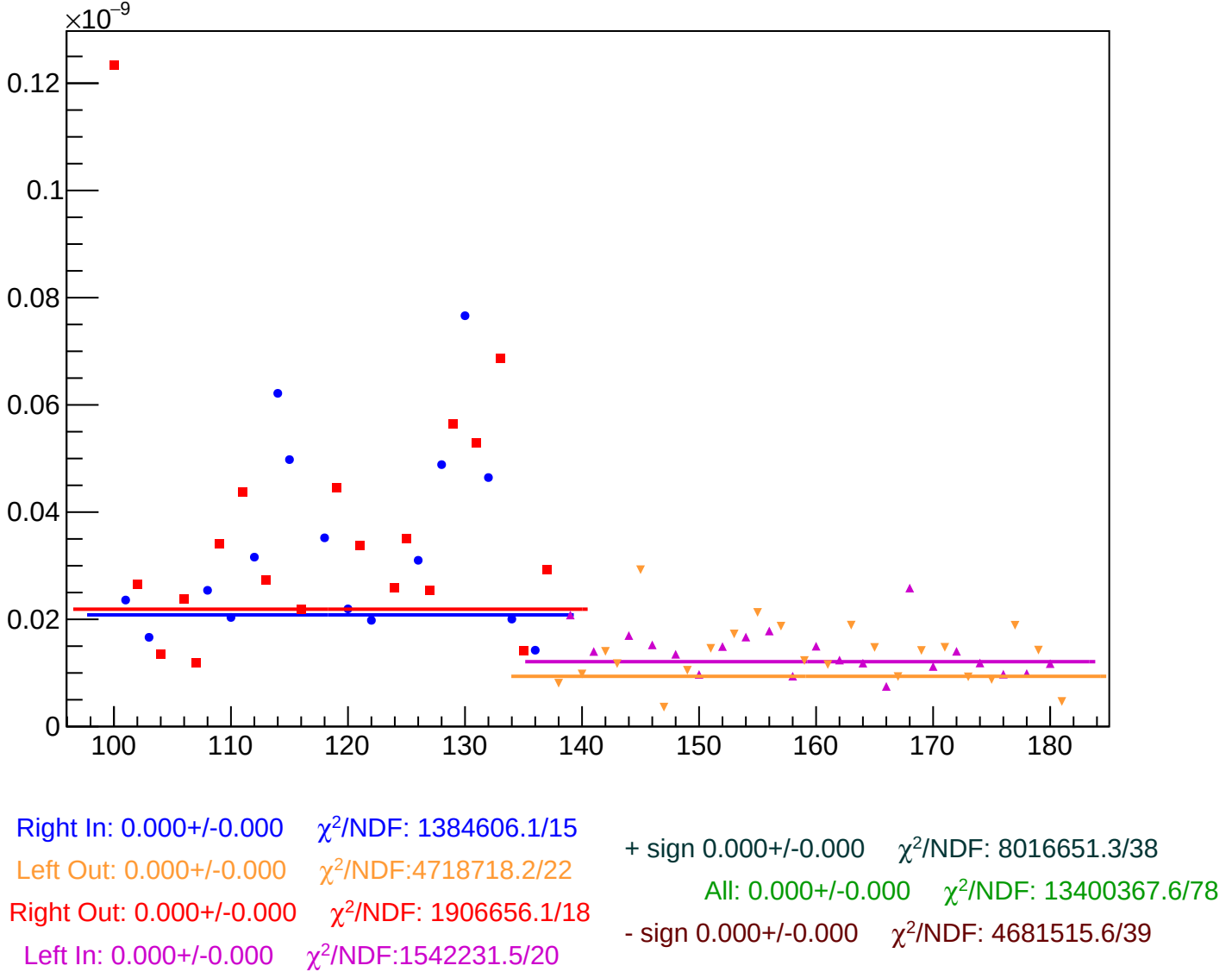
Right Out: 0.000+/-0.000 χ^2/NDF: 9.7/18

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

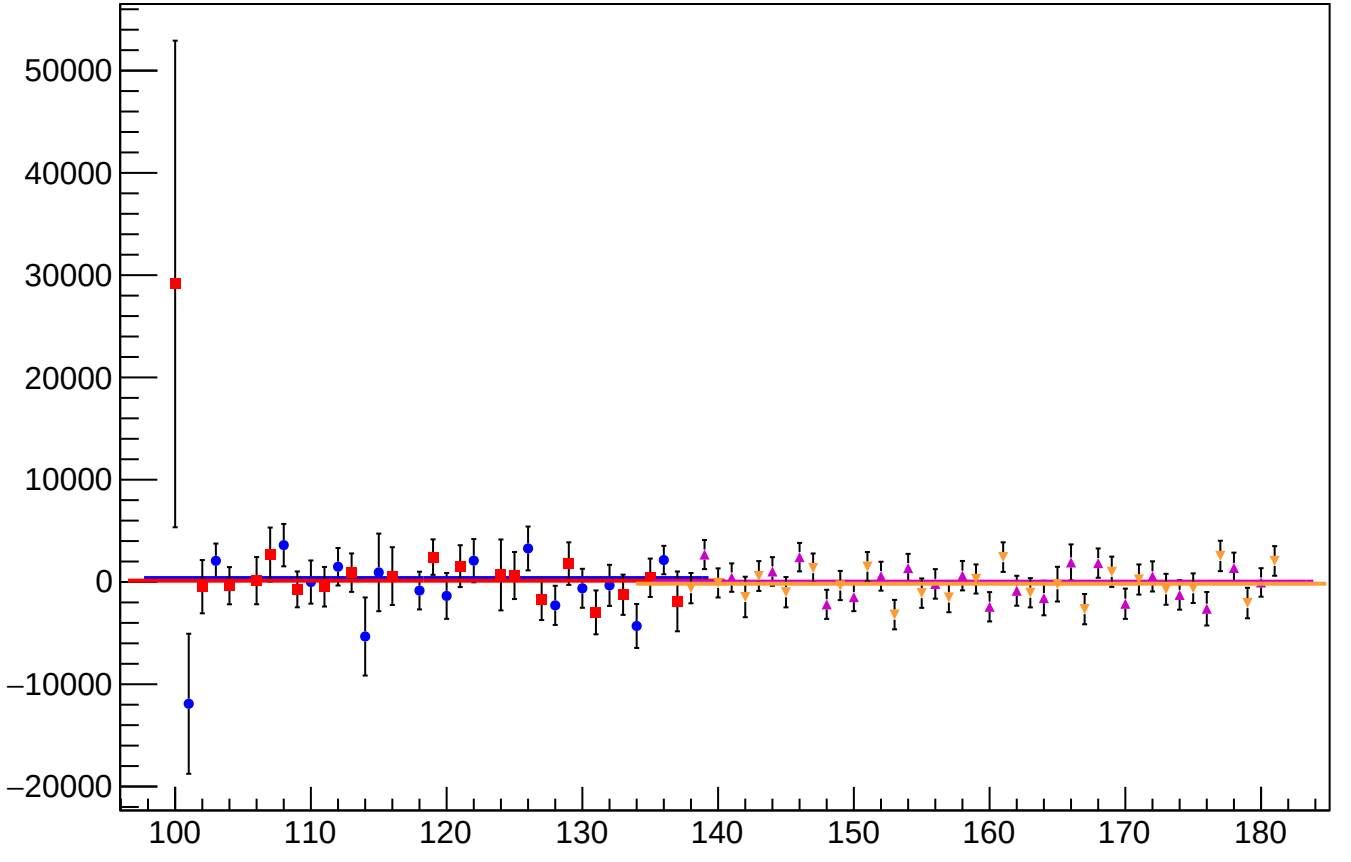
+ sign -0.000+/-0.000 χ^2/NDF: 51.4/38

All: 0.000+/-0.000 χ^2/NDF: 86.3/78

- sign 0.000+/-0.000 χ^2/NDF: 33.8/39


asym_usr_atr1_avg_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: 1384606.1/15
Left Out: 0.000+/-0.000 χ²/NDF:4718718.2/22
Right Out: 0.000+/-0.000 χ²/NDF: 1906656.1/18
Left In: 0.000+/-0.000 χ²/NDF:1542231.5/20
+ sign 0.000+/-0.000 χ²/NDF: 8016651.3/38
All: 0.000+/-0.000 χ²/NDF: 13400367.6/78
- sign 0.000+/-0.000 χ²/NDF: 4681515.6/39

reg_asym_usr_atr1_dd_mean vs Slug



Right In: 381.403+/-517.789 χ^2/NDF: 21.5/15

Left Out: -168.781+/-308.389 χ^2/NDF:24.1/22

Right Out: 127.929+/-500.988 χ^2/NDF: 10.0/18

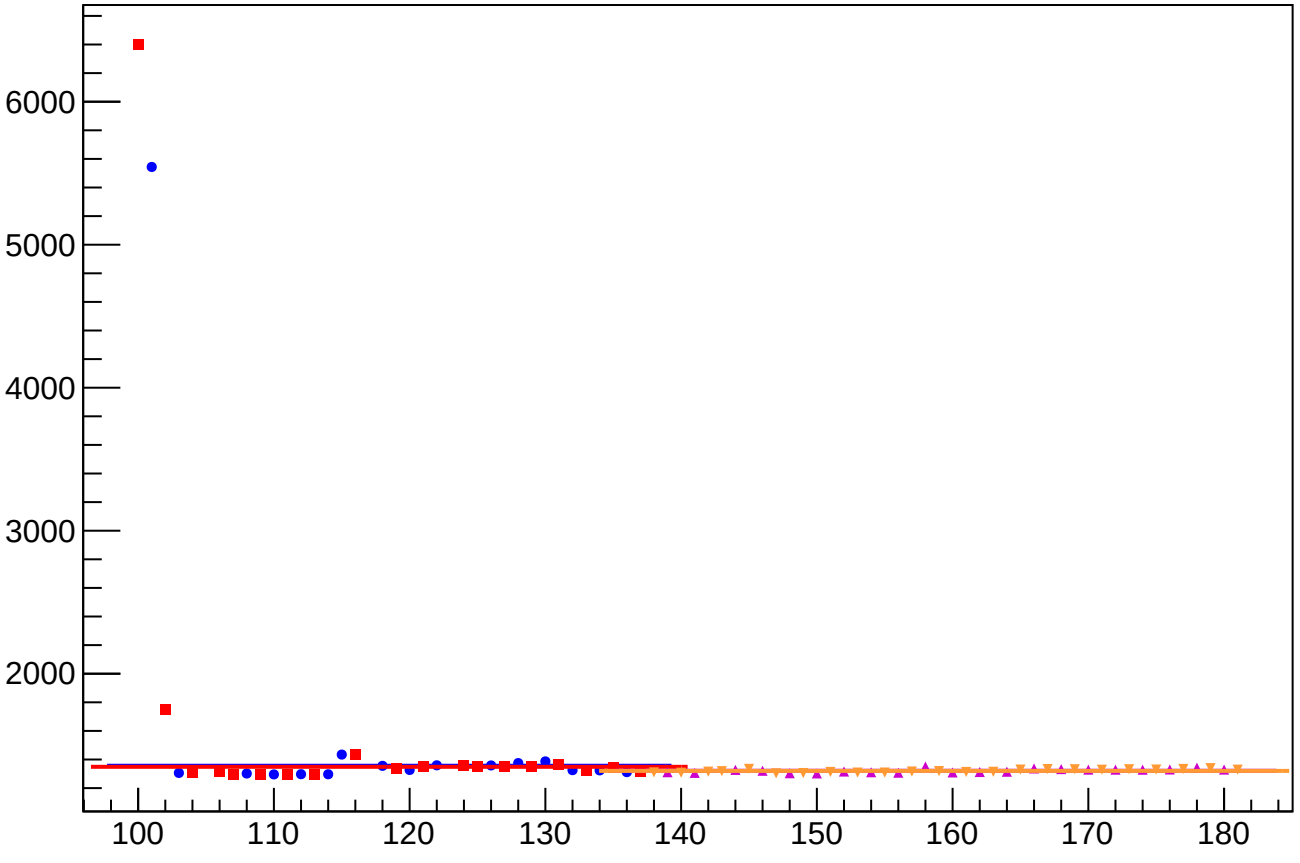
Left In: 31.330+/-318.095 χ^2/NDF:25.3/20

+ sign -24.719+/-264.956 χ^2/NDF: 46.4/38

All: 16.620+/-188.606 χ^2/NDF: 81.8/78

- sign 59.085+/-268.538 χ^2/NDF: 35.3/39

reg_asym_usr_atr1_dd_rms vs Slug



Right In: 1356.397+/-0.366 χ^2/NDF: 760266.3/15

Left Out: 1320.397+/-0.218 χ^2/NDF:2548.6/22

Right Out: 1348.975+/-0.354 χ^2/NDF: 147265.6/18

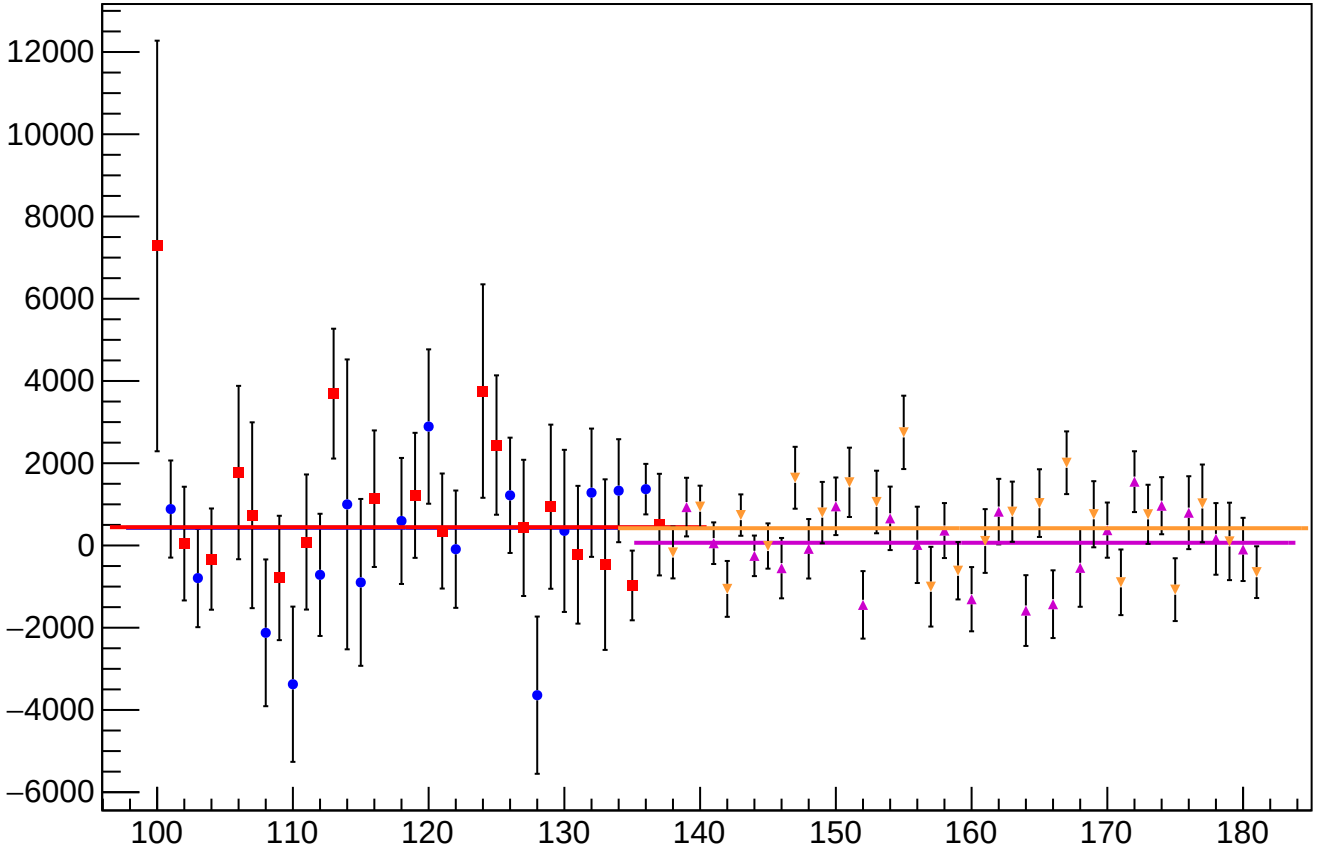
Left In: 1321.300+/-0.225 χ^2/NDF:3474.9/20

+ sign 1329.823+/-0.187 χ^2/NDF: 769951.5/38

All: 1329.541+/-0.133 χ^2/NDF: 925046.0/78

- sign 1329.252+/-0.190 χ^2/NDF: 155089.9/39

asym_usr_atr1_dd_reg_correction_mean vs Slug



Right In: 430.363+/-338.459 χ^2/NDF: 18.2/15

Left Out: 419.631+/-148.889 χ^2/NDF:39.9/22

Right Out: 444.555+/-355.594 χ^2/NDF: 14.4/18

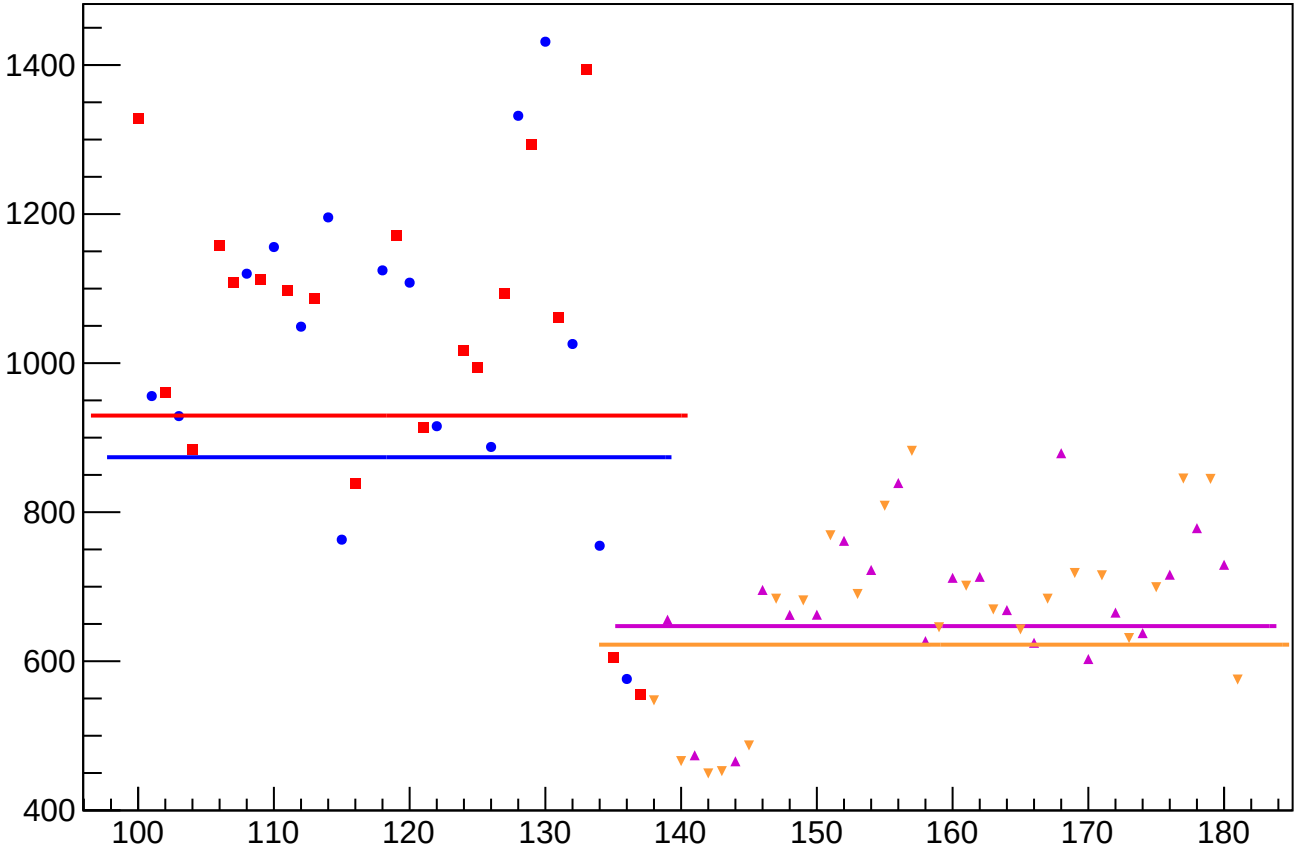
Left In: 65.448+/-158.291 χ^2/NDF:26.5/20

+ sign 421.371+/-136.285 χ^2/NDF: 58.2/38

All: 283.441+/-99.181 χ^2/NDF: 102.1/78

- sign 128.145+/-144.610 χ^2/NDF: 41.8/39

asym_usr_atr1_dd_reg_correction_rms vs Slug



Right In: 873.733+/-0.239 χ^2/NDF: 1014860.8/15

Left Out: 622.220+/-0.105 χ^2/NDF:1383275.9/22

Right Out: 929.637+/-0.251 χ^2/NDF: 859936.0/18

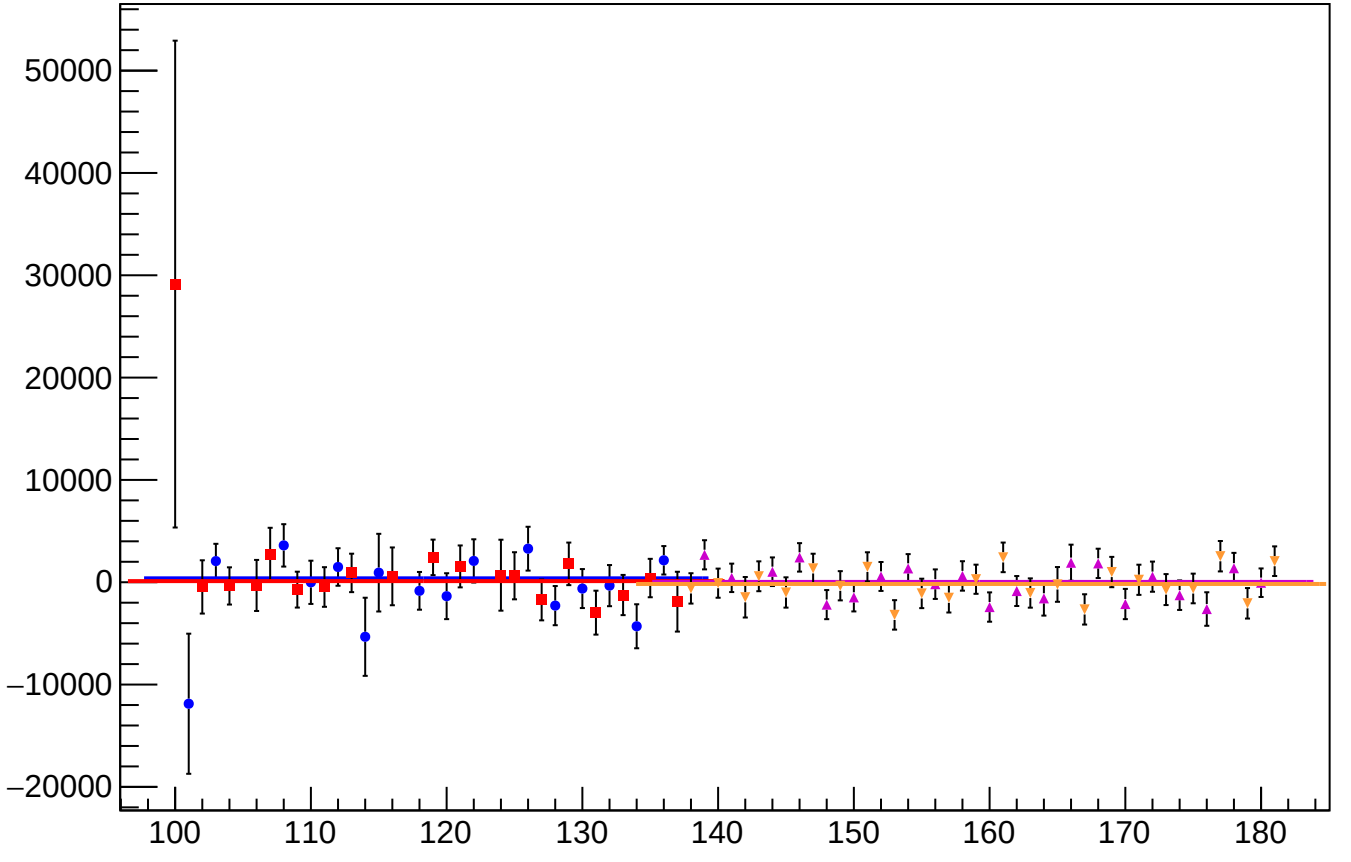
Left In: 647.124+/-0.112 χ^2/NDF:902277.4/20

+ sign 663.000+/-0.096 χ^2/NDF: 3323489.6/38

All: 677.510+/-0.070 χ^2/NDF: 6187519.4/78

- sign 693.846+/-0.102 χ^2/NDF: 2815836.5/39

cor_asym_usr_atr1_dd_mean vs Slug



Right In: 381.712+/-517.789 χ^2/NDF: 21.5/15

Left Out: -168.792+/-308.389 χ^2/NDF:24.1/22

Right Out: 110.280+/-502.698 χ^2/NDF: 10.0/18

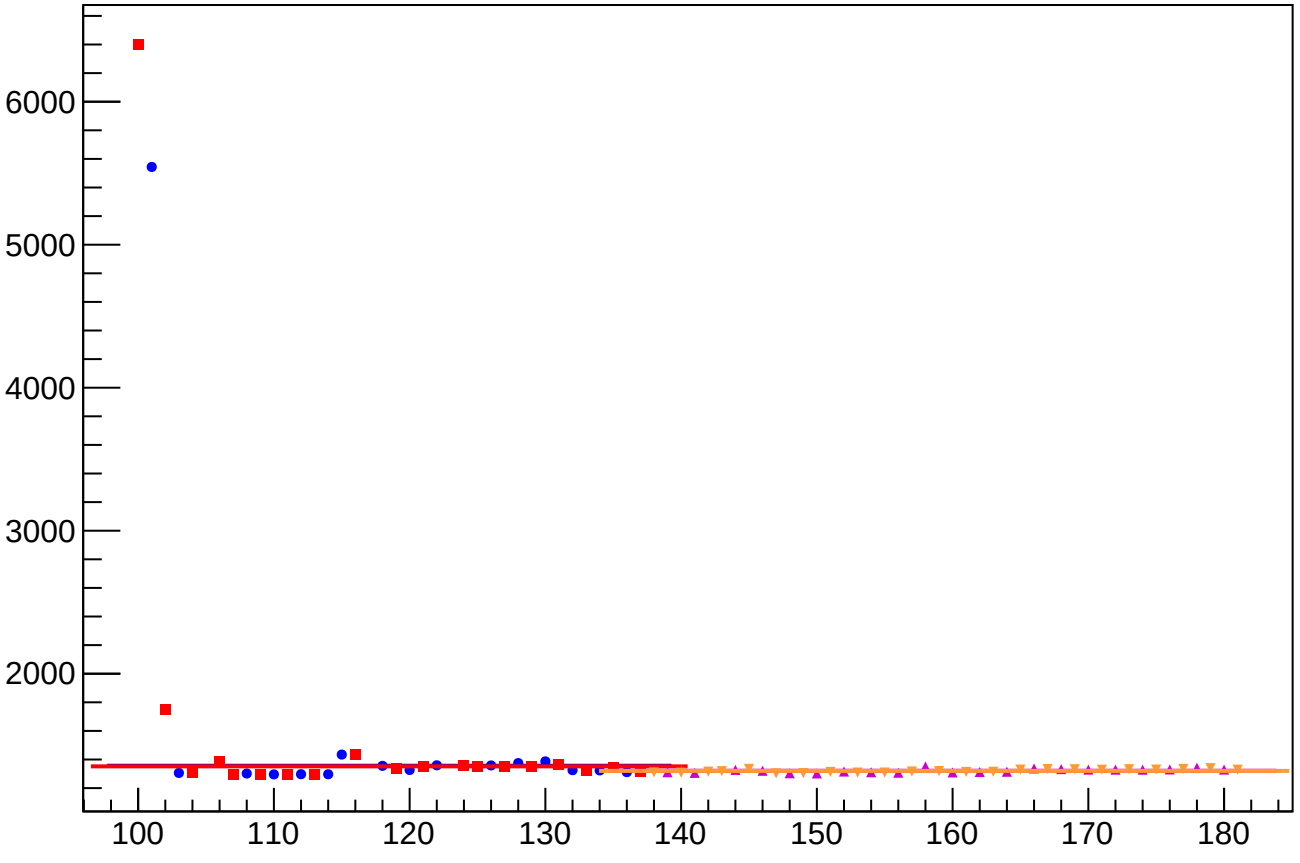
Left In: 31.378+/-318.095 χ^2/NDF:25.3/20

\+ sign -24.647+/-264.956 χ^2/NDF: 46.4/38

All: 14.080+/-188.697 χ^2/NDF: 81.8/78

\- sign 53.938+/-268.801 χ^2/NDF: 35.3/39

cor_asym_usr_atr1_dd_rms vs Slug



Right In: 1356.397+/-0.366 χ^2/NDF: 760265.4/15

Left Out: 1320.397+/-0.218 χ^2/NDF:2548.6/22

Right Out: 1352.083+/-0.355 χ^2/NDF: 147326.5/18

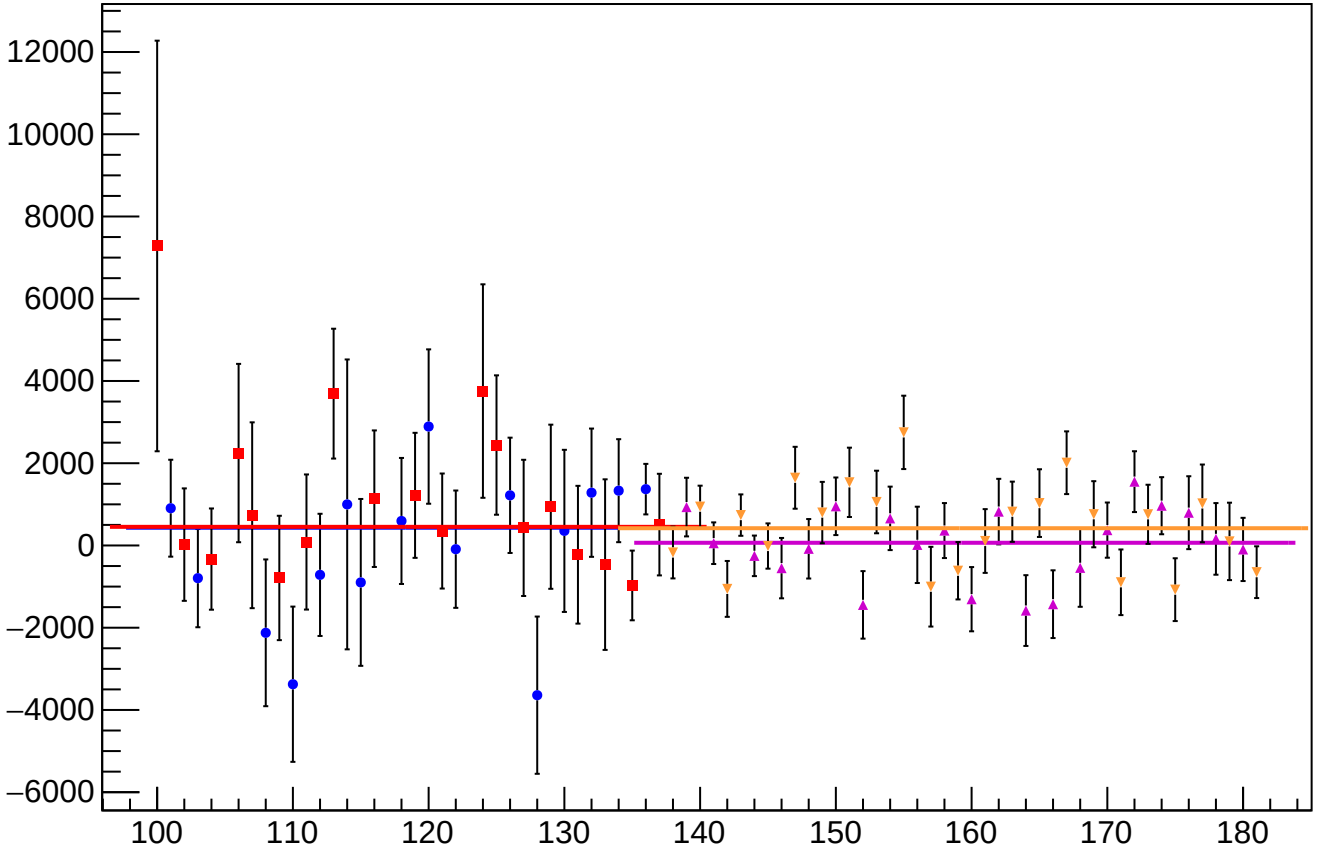
Left In: 1321.300+/-0.225 χ^2/NDF:3474.9/20

+ sign 1329.823+/-0.187 χ^2/NDF: 769950.5/38

All: 1329.960+/-0.133 χ^2/NDF: 926108.4/78

- sign 1330.102+/-0.190 χ^2/NDF: 156156.8/39

asym_usr_atr1_dd_cor_correction_mean vs Slug



Right In: 432.135+/-338.403 χ^2/NDF: 18.2/15

Left Out: 419.579+/-148.889 χ^2/NDF:39.9/22

Right Out: 453.039+/-355.599 χ^2/NDF: 14.7/18

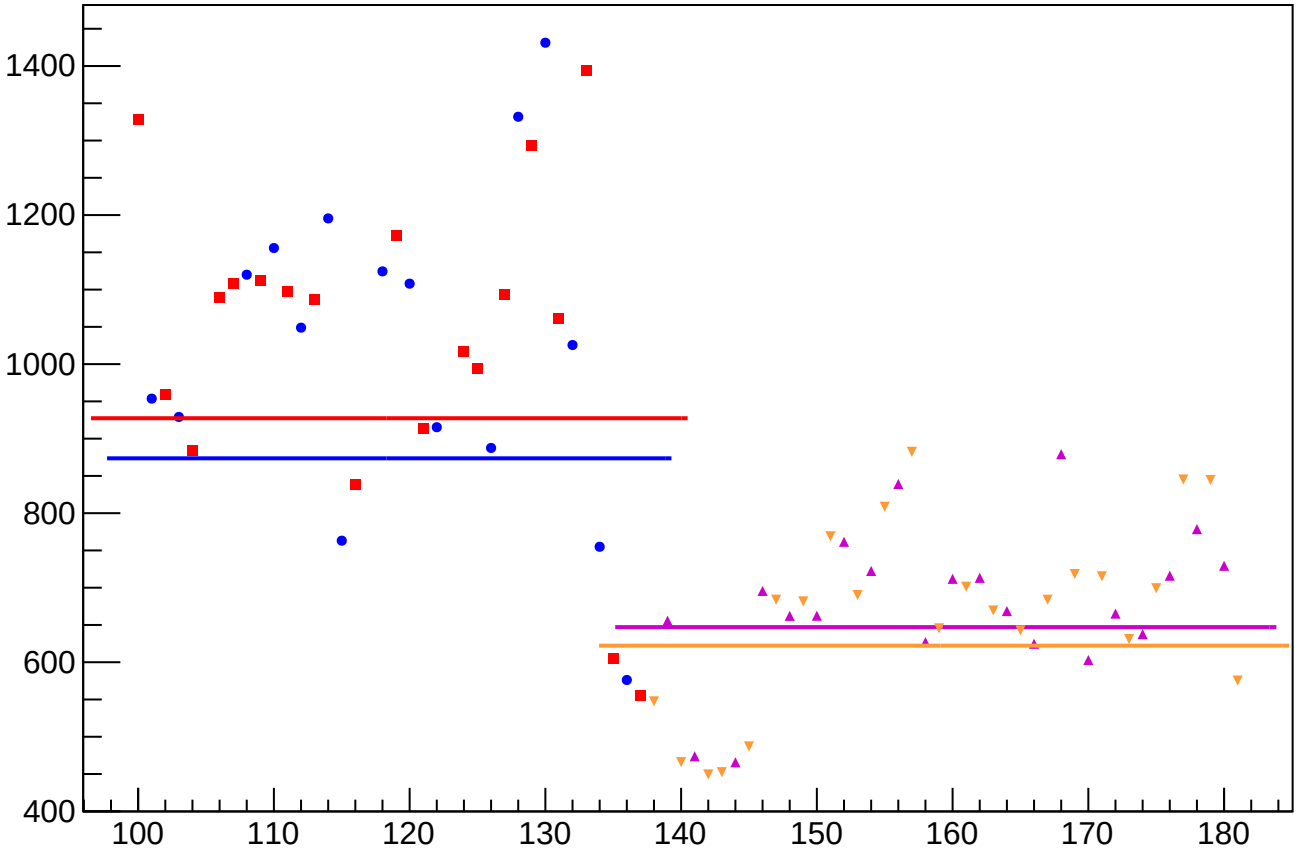
Left In: 65.435+/-158.289 χ^2/NDF:26.5/20

+ sign 421.615+/-136.281 χ^2/NDF: 58.2/38

All: 284.227+/-99.179 χ^2/NDF: 102.5/78

- sign 129.535+/-144.610 χ^2/NDF: 42.1/39

asym_usr_atr1_dd_cor_correction_rms vs Slug



Right In: 873.606+/-0.239 χ^2/NDF: 1014405.7/15

Left Out: 622.221+/-0.105 χ^2/NDF:1383176.4/22

Right Out: 927.407+/-0.251 χ^2/NDF: 847382.0/18

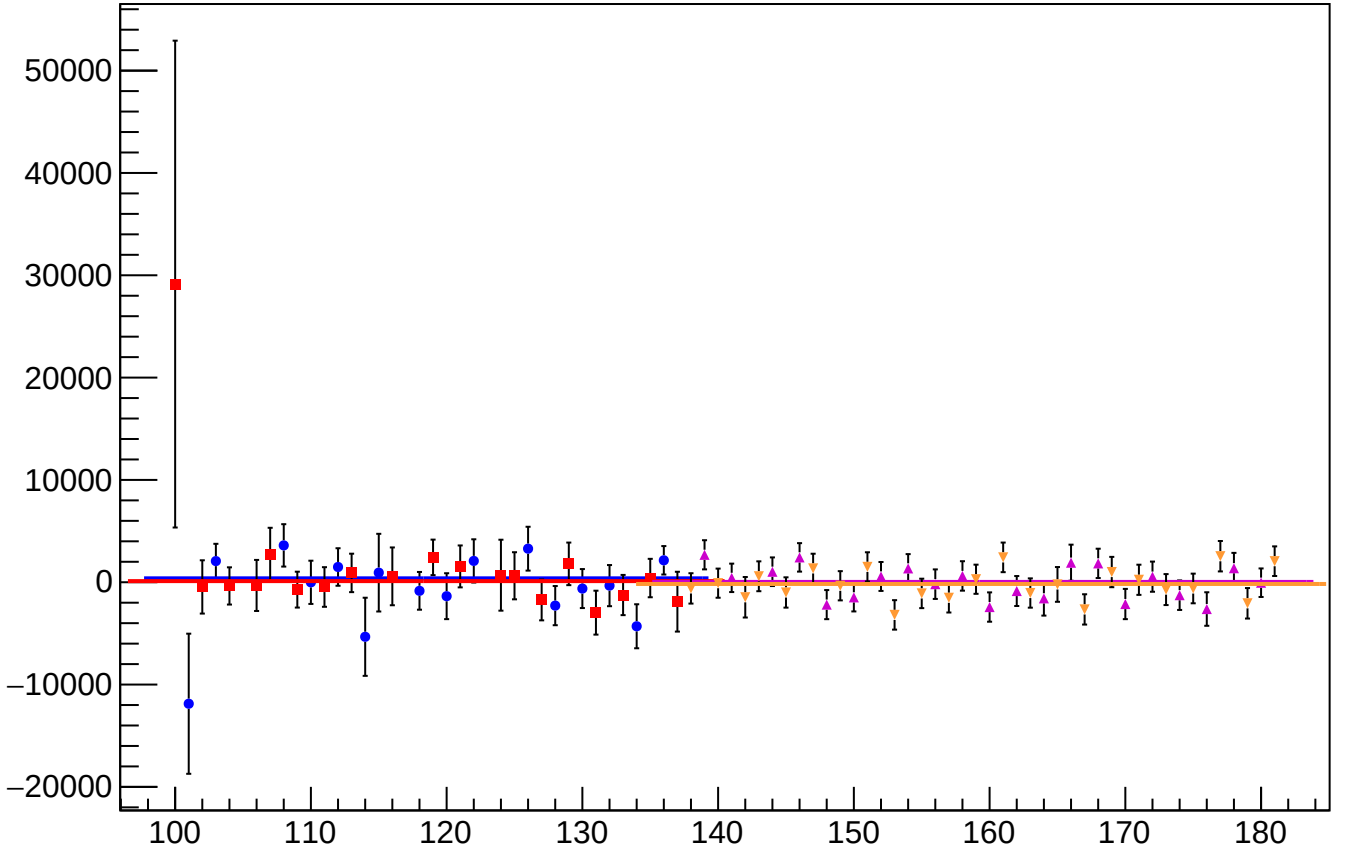
Left In: 647.117+/-0.112 χ^2/NDF:902333.1/20

\+ sign 662.991+/-0.096 χ^2/NDF: 3322261.4/38

All: 677.328+/-0.070 χ^2/NDF: 6156115.7/78

\- sign 693.471+/-0.102 χ^2/NDF: 2786799.0/39

eigen_cor_asym_usr_atr1_dd_mean vs Slug



Right In: 381.712+/-517.789 χ^2/NDF: 21.5/15

Left Out: -168.792+/-308.389 χ^2/NDF:24.1/22

Right Out: 110.280+/-502.698 χ^2/NDF: 10.0/18

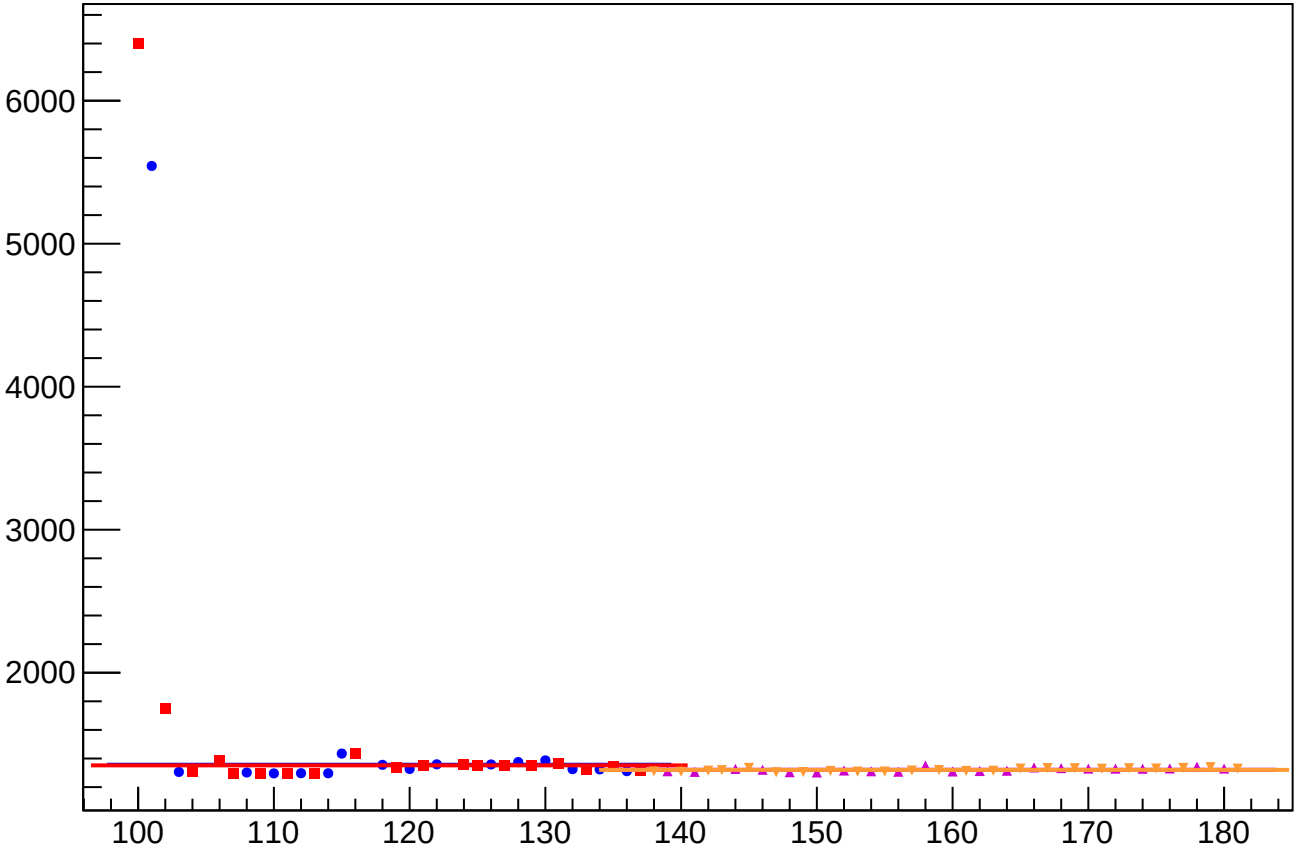
Left In: 31.378+/-318.095 χ^2/NDF:25.3/20

\+ sign -24.647+/-264.956 χ^2/NDF: 46.4/38

All: 14.080+/-188.697 χ^2/NDF: 81.8/78

\- sign 53.938+/-268.801 χ^2/NDF: 35.3/39

eigen_cor_asym_usr_atr1_dd_rms vs Slug



Right In: 1356.397+/-0.366 χ^2/NDF: 760265.4/15

Left Out: 1320.397+/-0.218 χ^2/NDF:2548.6/22

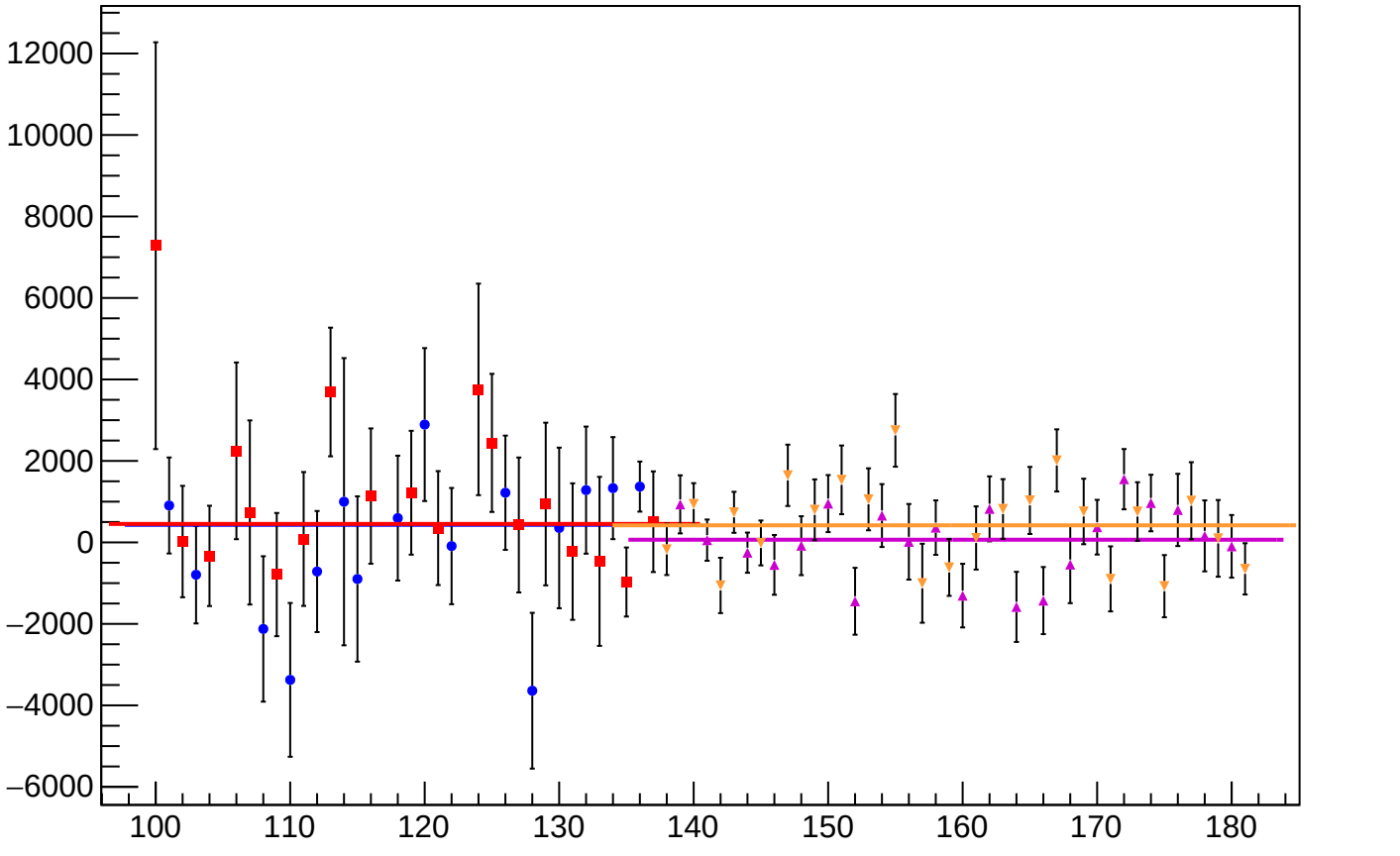
Right Out: 1352.083+/-0.355 χ^2/NDF: 147326.5/18

Left In: 1321.300+/-0.225 χ^2/NDF:3474.9/20

+ sign 1329.823+/-0.187 χ^2/NDF: 769950.5/38

All: 1329.960+/-0.133 χ^2/NDF: 926108.4/78

- sign 1330.102+/-0.190 χ^2/NDF: 156156.8/39



Right In: 432.135+/-338.403 χ^2/NDF: 18.2/15

Left Out: 419.579+/-148.889 χ^2/NDF:39.9/22

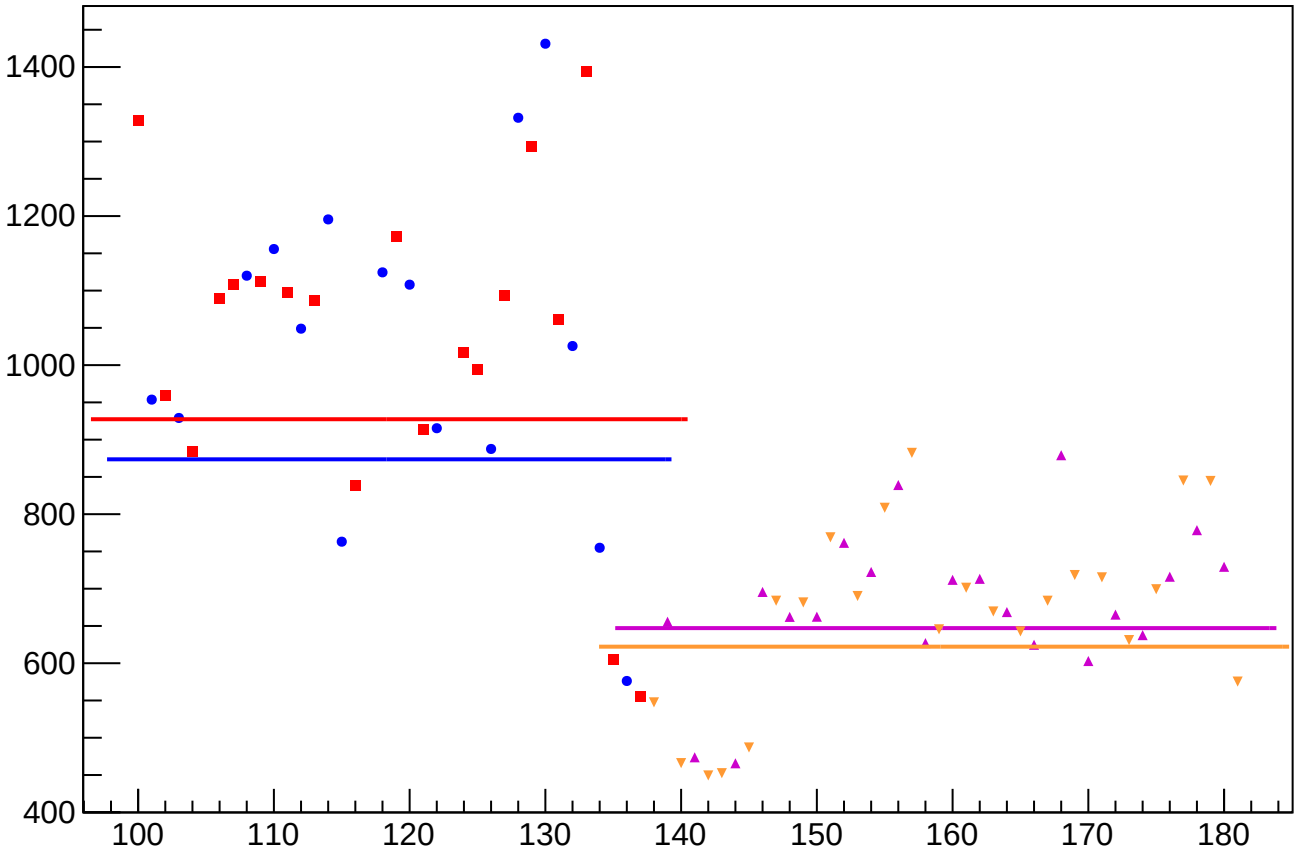
Right Out: 453.039+/-355.599 χ^2/NDF: 14.7/18

Left In: 65.435+/-158.289 χ^2/NDF:26.5/20

+ sign 421.615+/-136.281 χ^2/NDF: 58.2/38

All: 284.227+/-99.179 χ^2/NDF: 102.5/78

- sign 129.535+/-144.610 χ^2/NDF: 42.1/39



Right In: 873.606+/-0.239 χ^2/NDF: 1014405.7/15

Left Out: 622.221+/-0.105 χ^2/NDF:1383176.4/22

Right Out: 927.407+/-0.251 χ^2/NDF: 847382.0/18

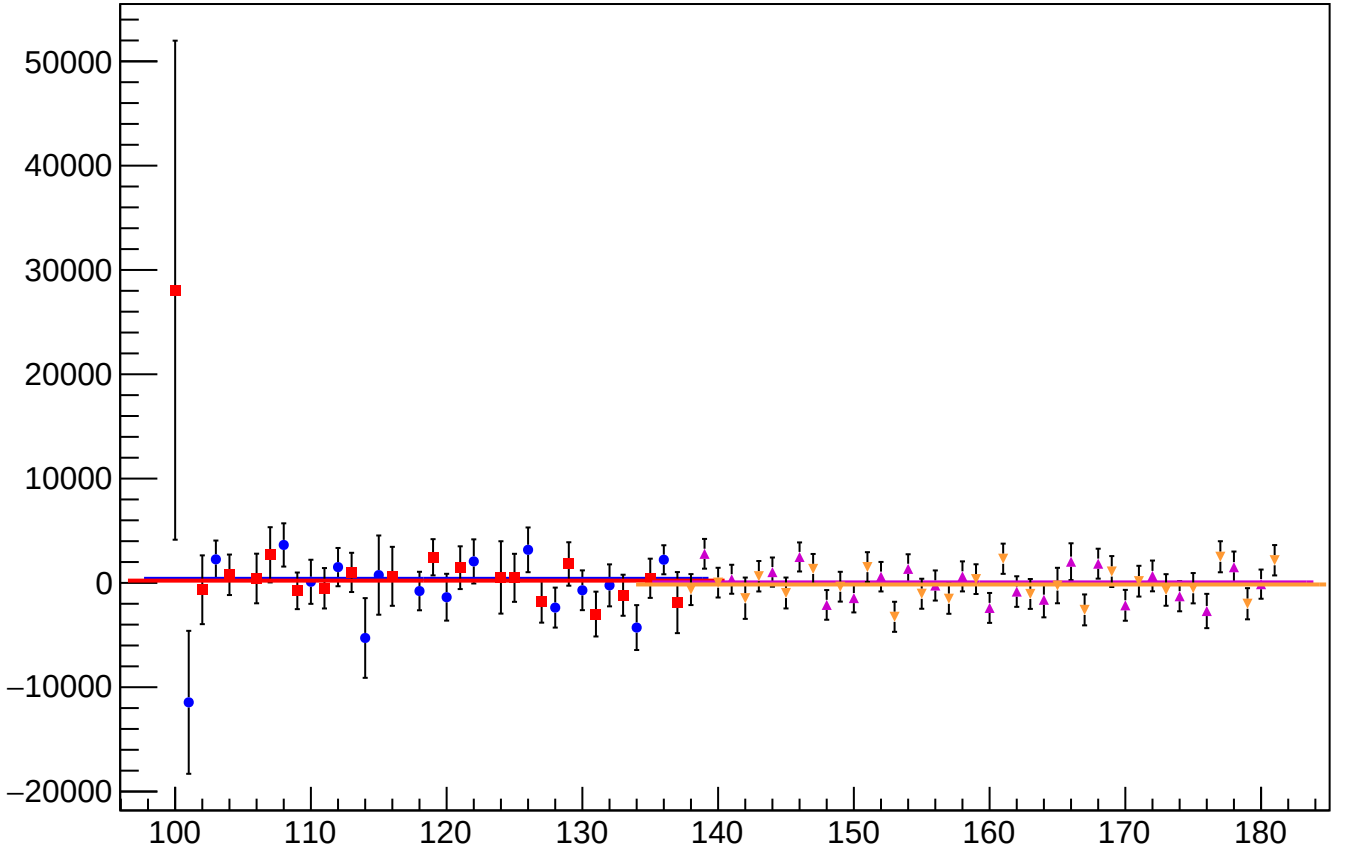
Left In: 647.117+/-0.112 χ^2/NDF:902333.1/20

+ sign 662.991+/-0.096 χ^2/NDF: 3322261.4/38

All: 677.328+/-0.070 χ^2/NDF: 6156115.7/78

- sign 693.471+/-0.102 χ^2/NDF: 2786799.0/39

dit_asym_usr_atr1_dd_mean vs Slug



Right In: 389.949+/-521.159 χ^2/NDF: 21.4/15

Left Out: -150.750+/-308.754 χ^2/NDF:23.9/22

Right Out: 218.184+/-507.927 χ^2/NDF: 10.0/18

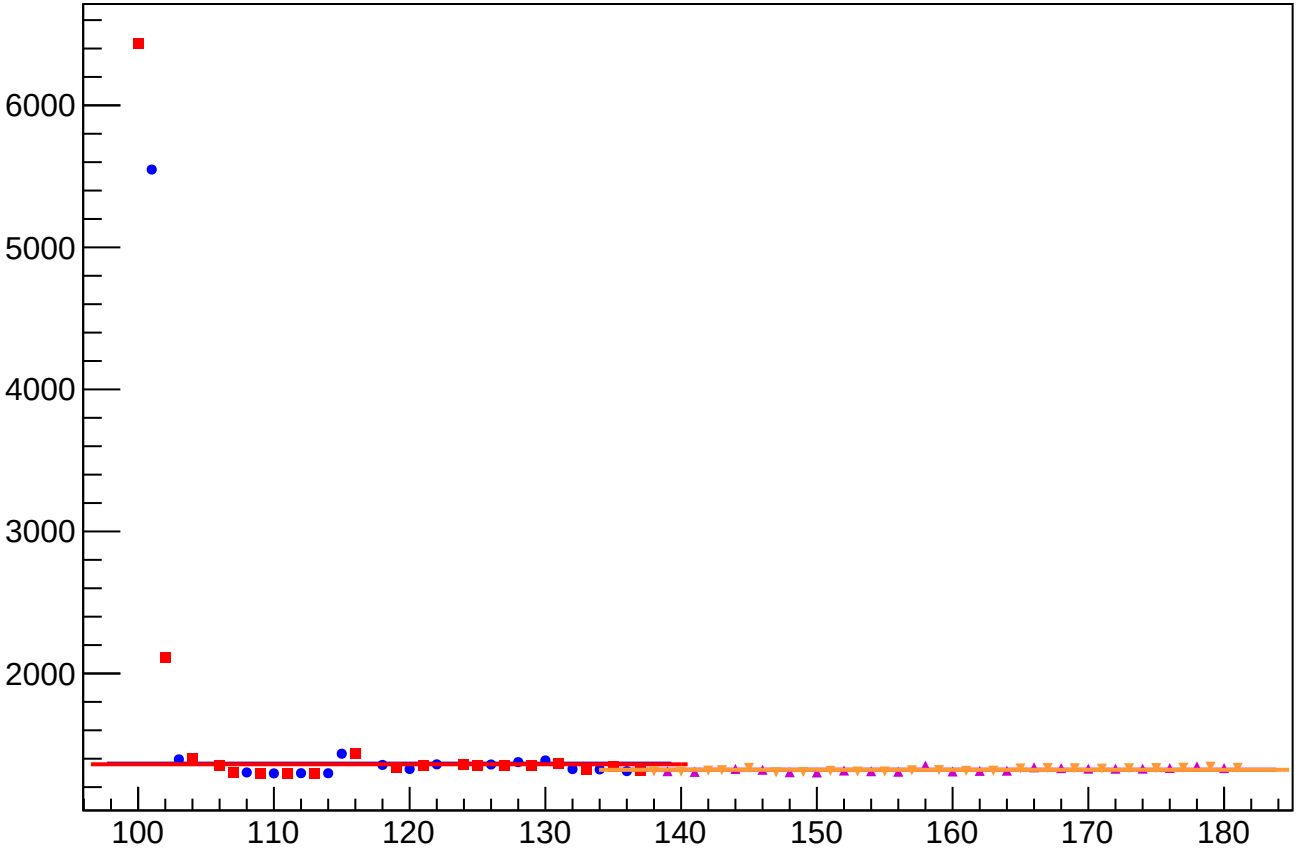
Left In: 48.452+/-318.435 χ^2/NDF:26.1/20

+ sign -10.277+/-265.637 χ^2/NDF: 46.0/38

All: 42.203+/-189.288 χ^2/NDF: 82.2/78

- sign 96.341+/-269.798 χ^2/NDF: 36.1/39

dit_asym_usr_atr1_dd_rms vs Slug



Right In: 1365.302+/-0.369 χ^2/NDF: 758944.7/15

Left Out: 1321.955+/-0.218 χ^2/NDF:2849.7/22

Right Out: 1360.771+/-0.359 χ^2/NDF: 205315.3/18

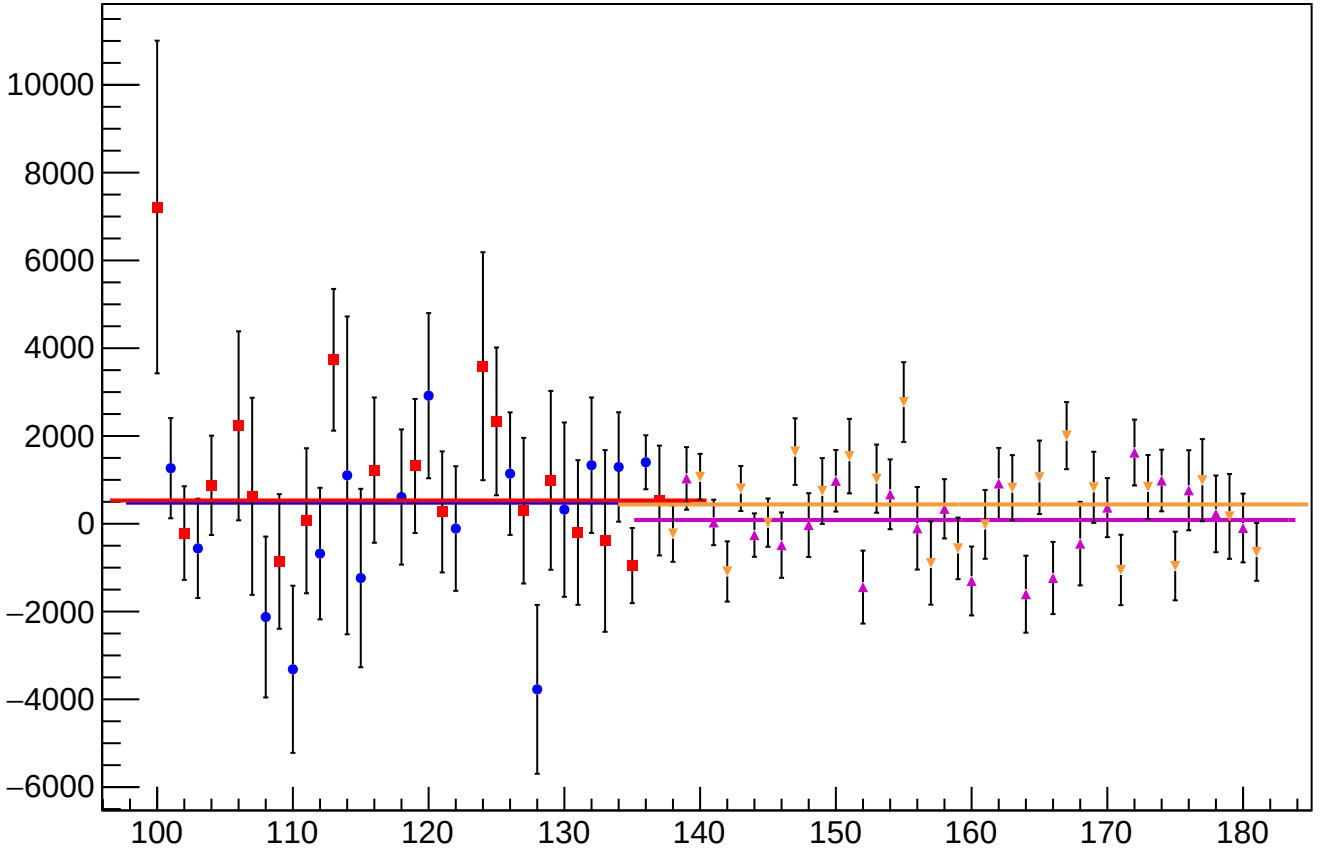
Left In: 1322.707+/-0.225 χ^2/NDF:3721.1/20

+ sign 1333.216+/-0.188 χ^2/NDF: 772035.9/38

All: 1333.329+/-0.134 χ^2/NDF: 989135.9/78

- sign 1333.446+/-0.191 χ^2/NDF: 217099.3/39

asym_usr_atr1_dd_dit_correction_mean vs Slug



Right In: 480.403+/-336.520 χ^2/NDF: 18.6/15

Left Out: 440.687+/-150.873 χ^2/NDF:39.8/22

Right Out: 530.532+/-346.105 χ^2/NDF: 15.6/18

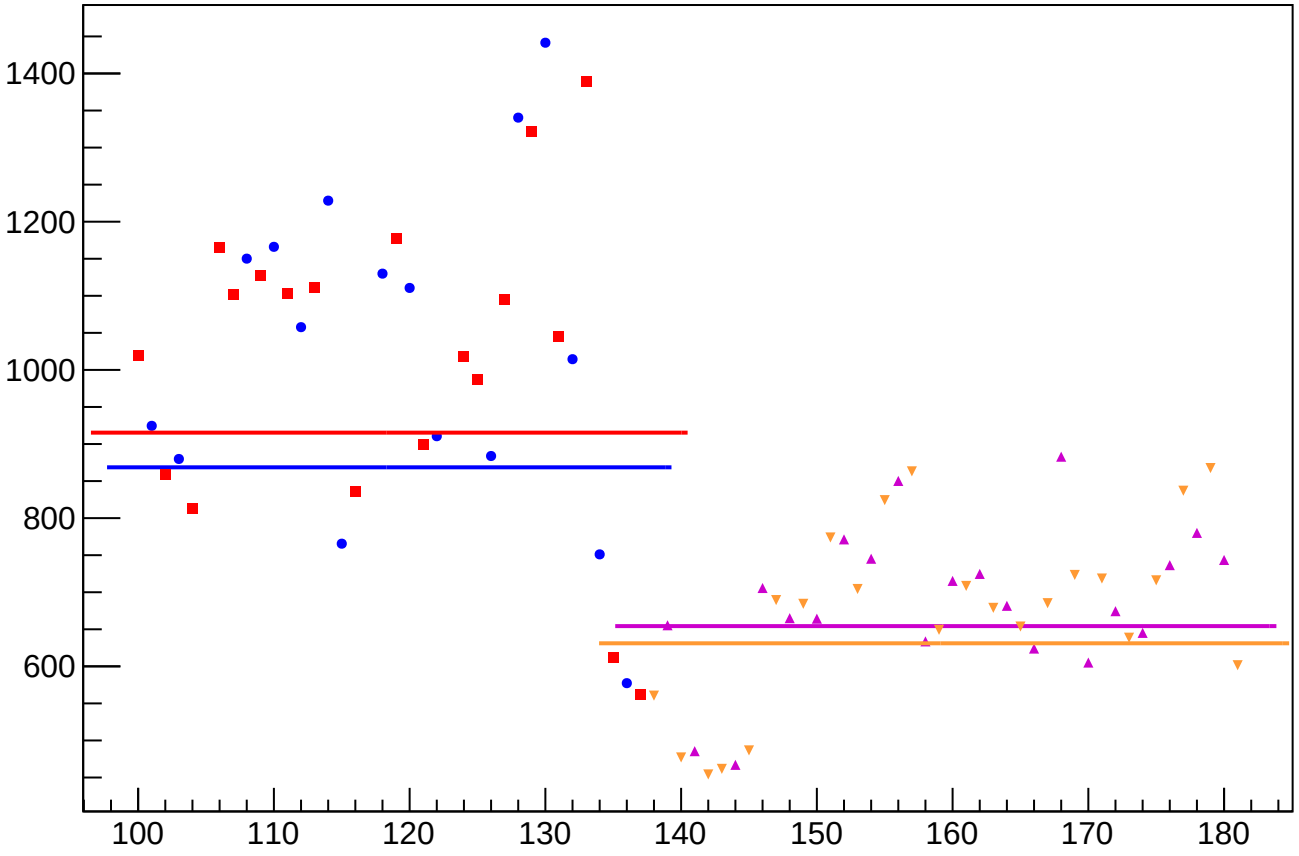
Left In: 86.360+/-160.021 χ^2/NDF:26.1/20

+ sign 447.334+/-137.670 χ^2/NDF: 58.4/38

All: 313.528+/-99.919 χ^2/NDF: 103.4/78

- sign 164.587+/-145.248 χ^2/NDF: 43.1/39

asym_usr_atr1_dd_dit_correction_rms vs Slug



Right In: 868.572+/-0.238 χ^2/NDF: 1021338.5/15

Left Out: 631.111+/-0.107 χ^2/NDF:1327671.3/22

Right Out: 915.360+/-0.245 χ^2/NDF: 858906.6/18

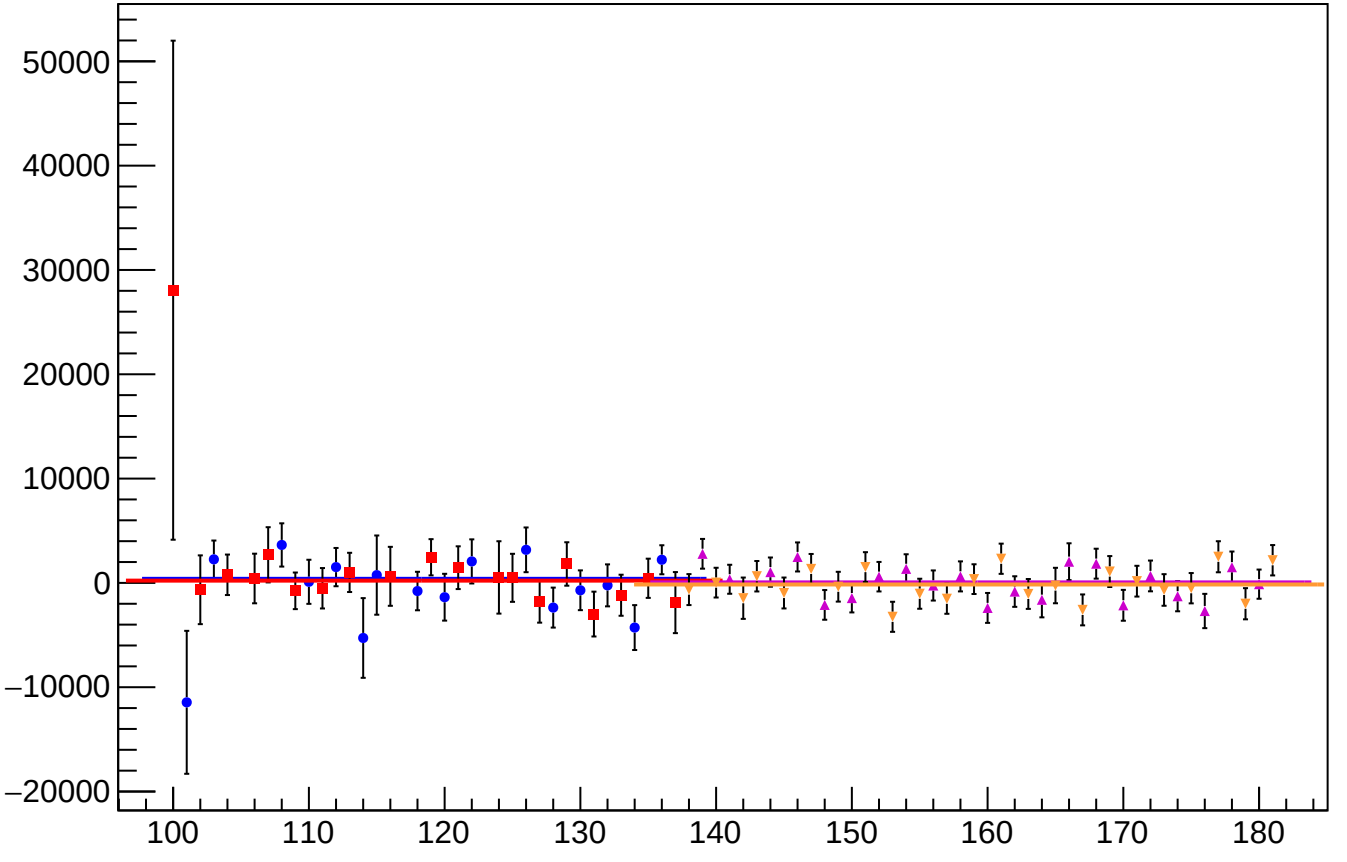
Left In: 654.303+/-0.113 χ^2/NDF:906952.6/20

+ sign 670.853+/-0.097 χ^2/NDF: 3178190.3/38

All: 684.778+/-0.071 χ^2/NDF: 5924750.5/78

- sign 700.279+/-0.103 χ^2/NDF: 2703317.8/39

eigen_dit_asym_usr_atr1_dd_mean vs Slug



Right In: 389.949+/-521.159 χ^2/NDF: 21.4/15

Left Out: -150.751+/-308.754 χ^2/NDF:23.9/22

Right Out: 218.182+/-507.927 χ^2/NDF: 10.0/18

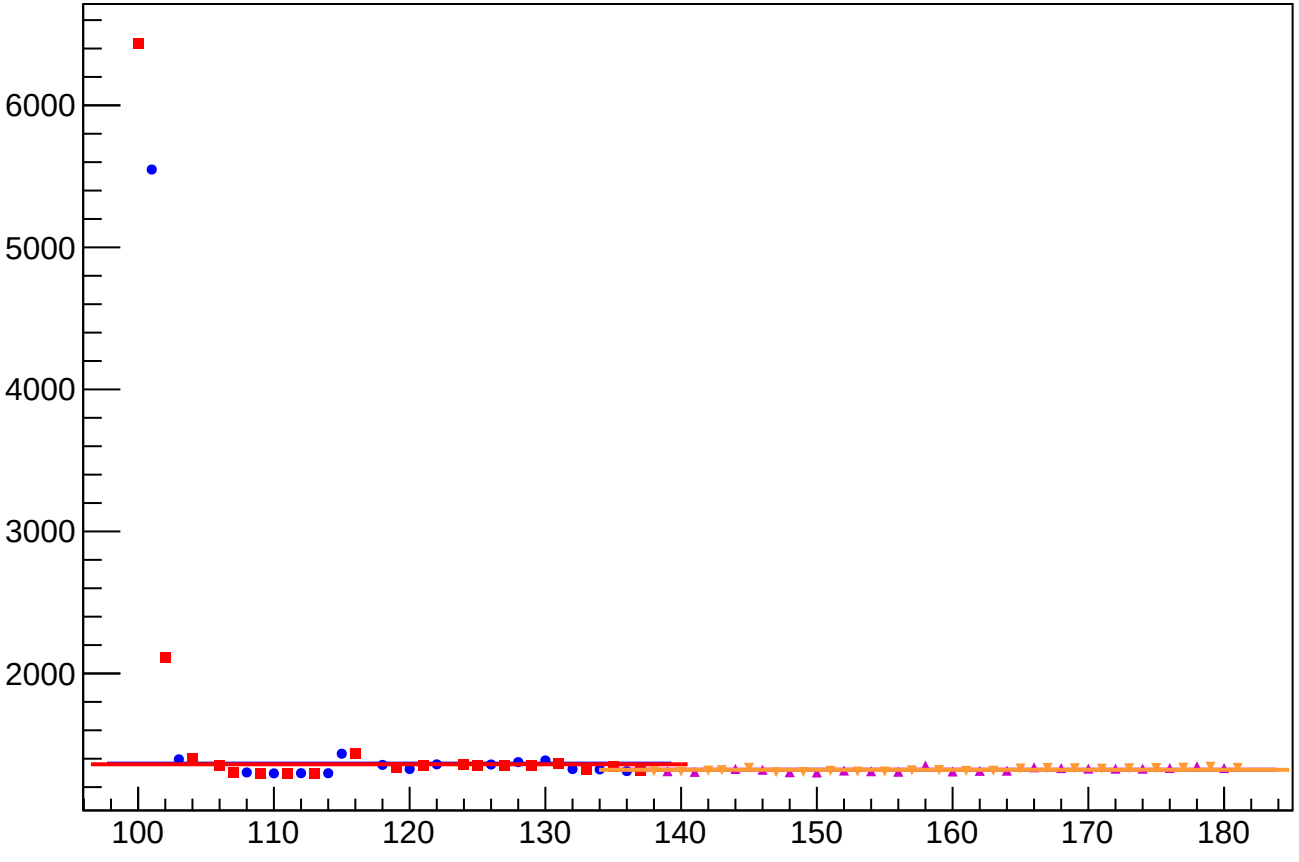
Left In: 48.452+/-318.435 χ^2/NDF:26.1/20

+ sign -10.278+/-265.637 χ^2/NDF: 46.0/38

All: 42.203+/-189.288 χ^2/NDF: 82.2/78

- sign 96.341+/-269.798 χ^2/NDF: 36.1/39

eigen_dit_asym_usr_atr1_dd_rms vs Slug



Right In: 1365.302+/-0.369 χ^2/NDF: 758944.7/15

Left Out: 1321.955+/-0.218 χ^2/NDF:2849.7/22

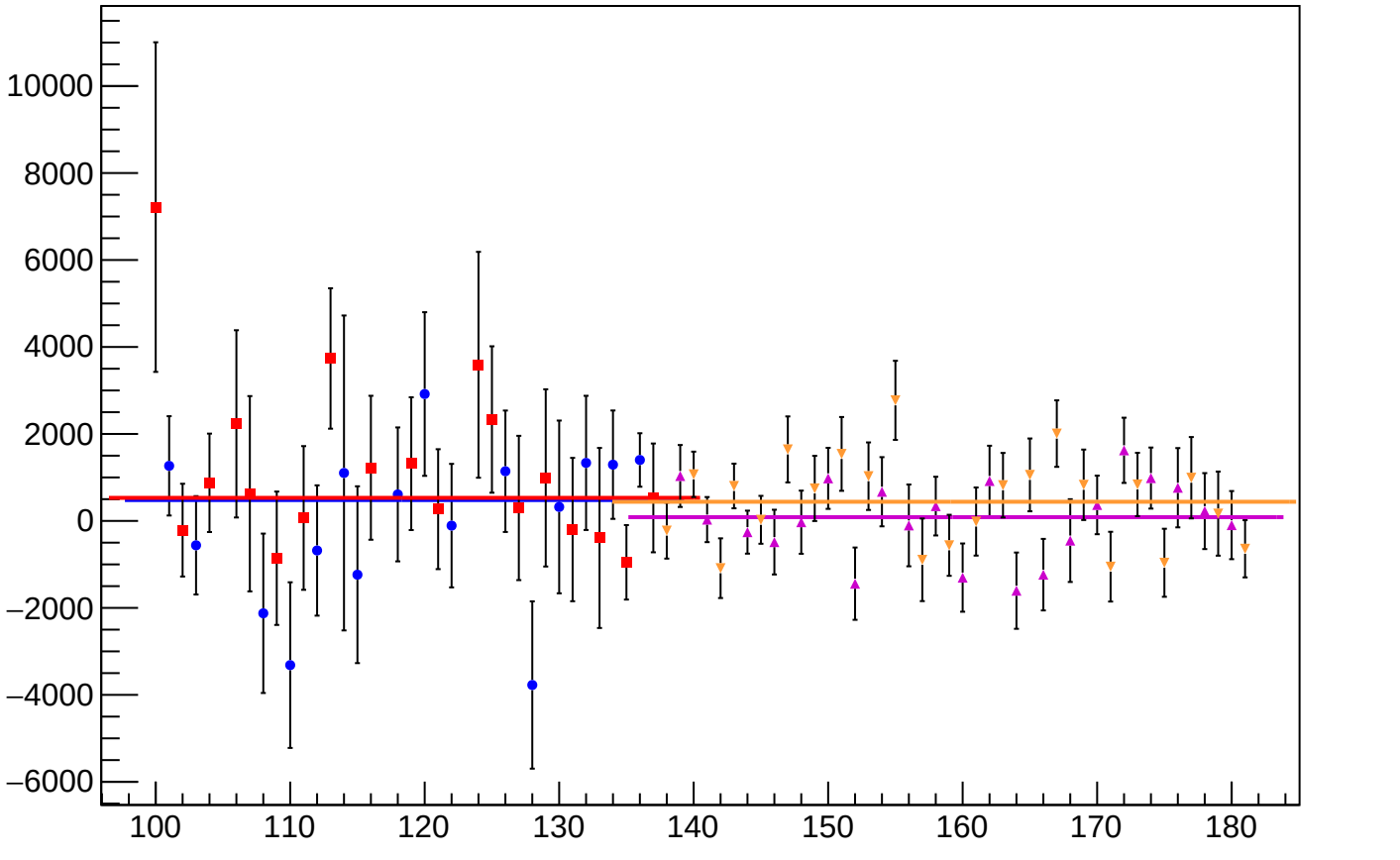
Right Out: 1360.770+/-0.359 χ^2/NDF: 205315.2/18

Left In: 1322.707+/-0.225 χ^2/NDF:3721.1/20

+ sign 1333.216+/-0.188 χ^2/NDF: 772035.8/38

All: 1333.329+/-0.134 χ^2/NDF: 989135.8/78

- sign 1333.446+/-0.191 χ^2/NDF: 217099.2/39



Right In: 480.400+/-336.519 χ^2/NDF: 18.6/15

Left Out: 440.687+/-150.873 χ^2/NDF:39.8/22

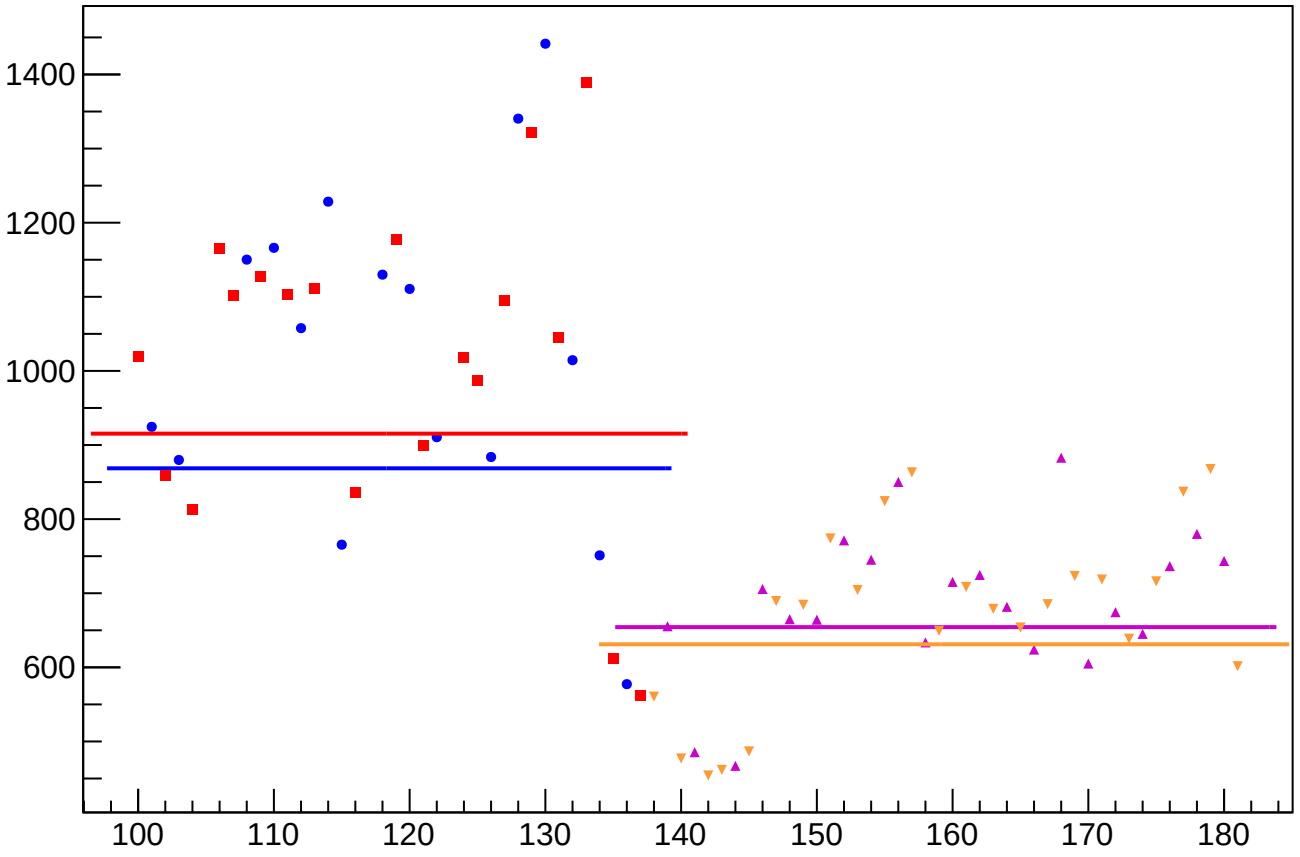
Right Out: 530.531+/-346.104 χ^2/NDF: 15.6/18

Left In: 86.360+/-160.021 χ^2/NDF:26.1/20

+ sign 447.334+/-137.670 χ^2/NDF: 58.4/38

All: 313.528+/-99.919 χ^2/NDF: 103.4/78

- sign 164.587+/-145.248 χ^2/NDF: 43.1/39



Right In: 868.570+/-0.238 χ^2/NDF: 1021337.1/15

Left Out: 631.111+/-0.107 χ^2/NDF:1327690.9/22

Right Out: 915.358+/-0.245 χ^2/NDF: 858906.3/18

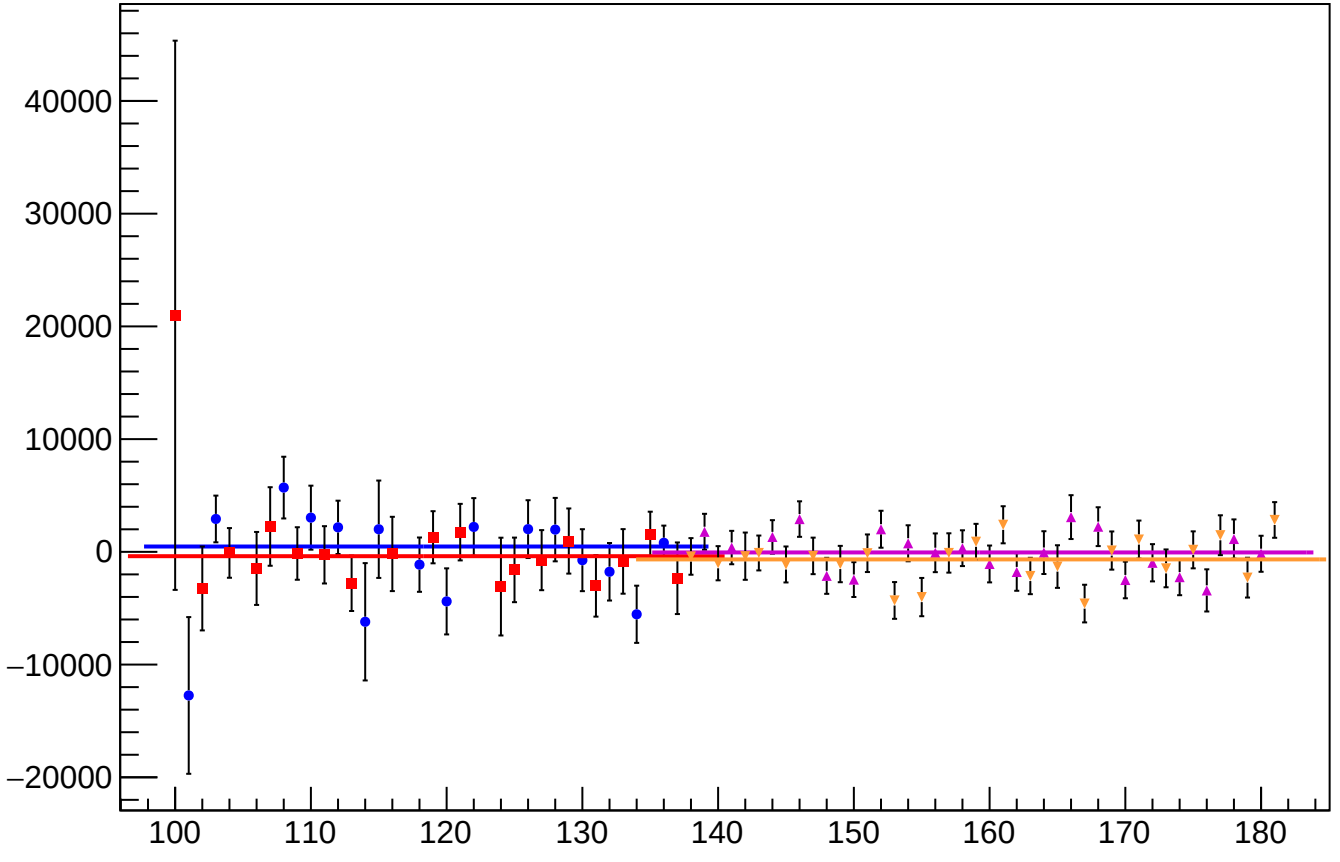
Left In: 654.304+/-0.113 χ^2/NDF:906961.2/20

+ sign 670.853+/-0.097 χ^2/NDF: 3178191.5/38

All: 684.779+/-0.071 χ^2/NDF: 5924742.7/78

- sign 700.280+/-0.103 χ^2/NDF: 2703306.8/39

asym_usr_atr1_dd_mean vs Slug



Right In: 473.494+/-649.243 χ^2/NDF: 22.7/15

Left Out: -670.254+/-347.382 χ^2/NDF:29.4/22

Right Out: -384.785+/-641.994 χ^2/NDF: 7.3/18

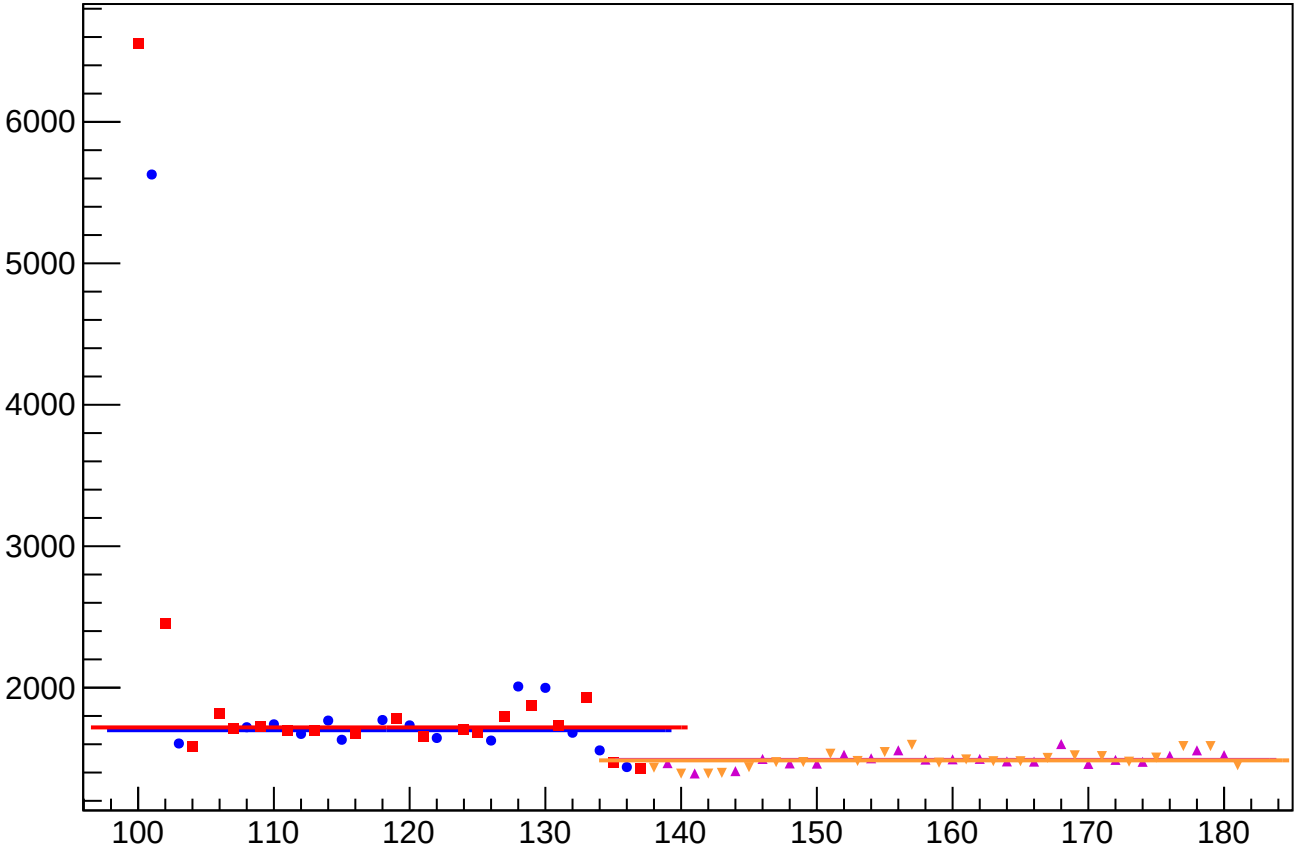
Left In: -52.358+/-358.752 χ^2/NDF:25.8/20

+ sign -415.692+/-306.294 χ^2/NDF: 54.5/38

All: -276.733+/-218.974 χ^2/NDF: 88.2/78

- sign -131.463+/-313.172 χ^2/NDF: 33.2/39

asym_usr_atr1_dd_rms vs Slug



Right In: 1699.330+/-0.459 χ^2/NDF: 762097.7/15

Left Out: 1486.116+/-0.246 χ^2/NDF:50506.6/22

Right Out: 1719.103+/-0.454 χ^2/NDF: 233751.6/18

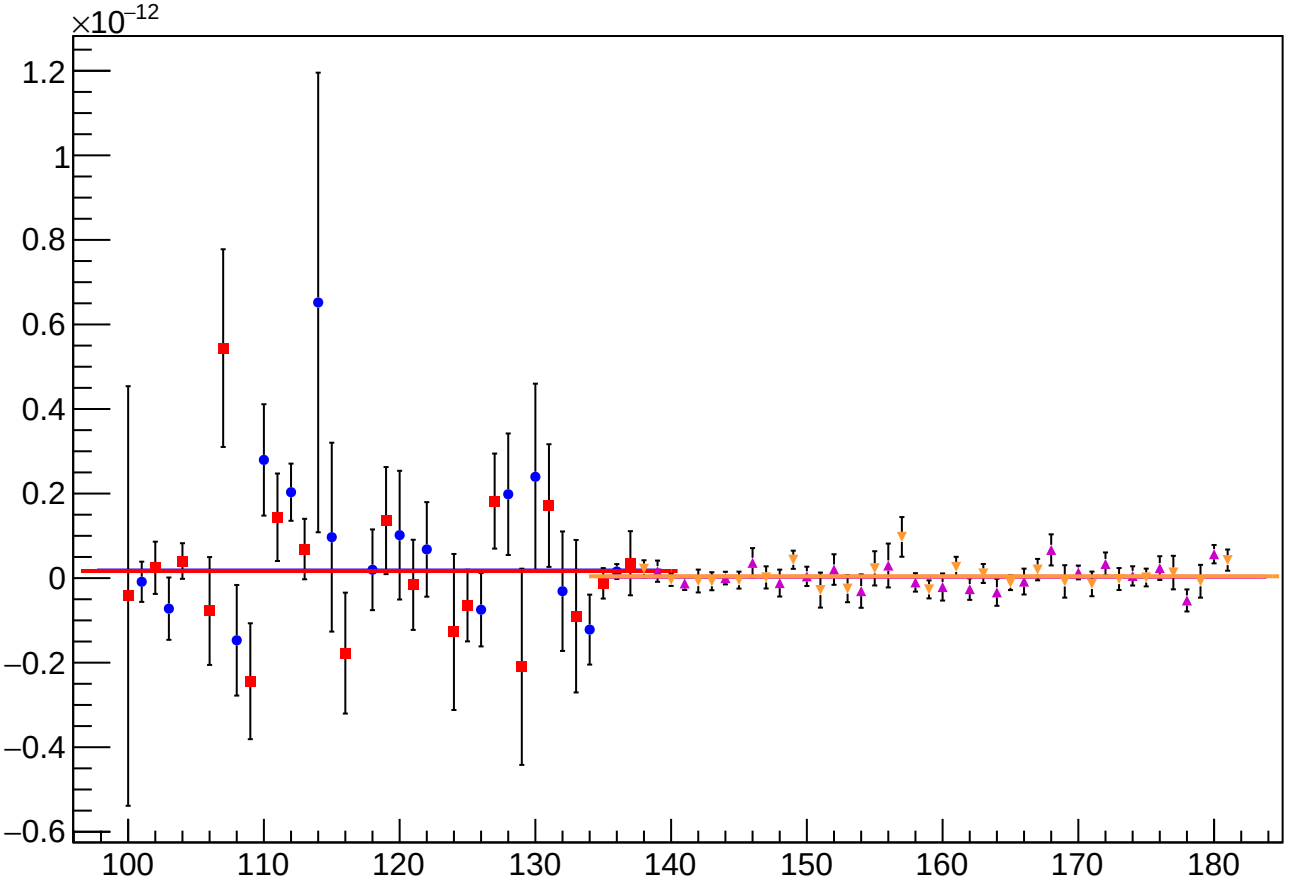
Left In: 1489.339+/-0.254 χ^2/NDF:33564.8/20

+ sign 1533.571+/-0.217 χ^2/NDF: 980294.7/38

All: 1538.676+/-0.155 χ^2/NDF: 1443961.0/78

- sign 1544.014+/-0.221 χ^2/NDF: 462529.6/39

asym_usr_atr1_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.0/22

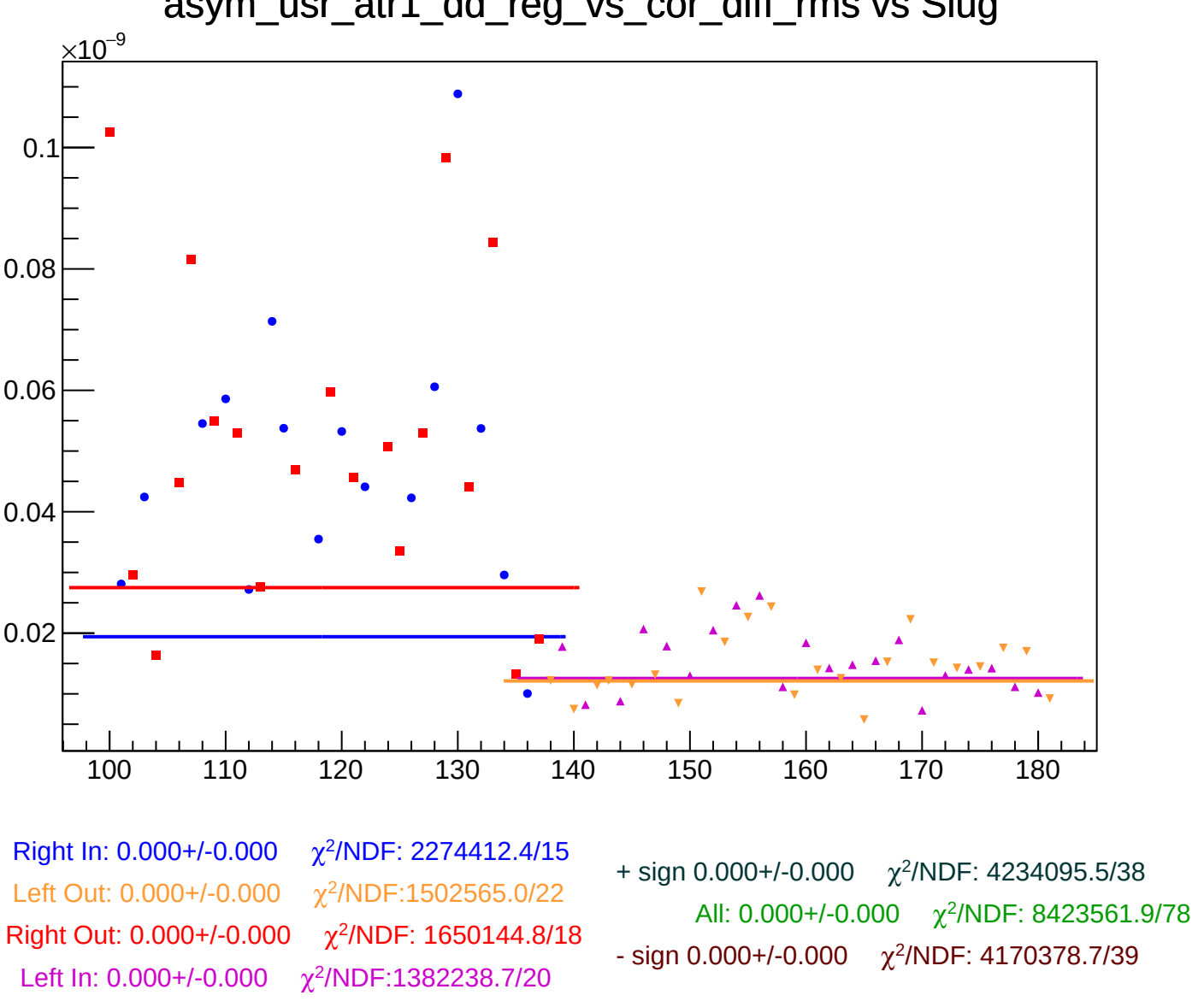
Right Out: 0.000+/-0.000 χ^2/NDF: 21.3/18

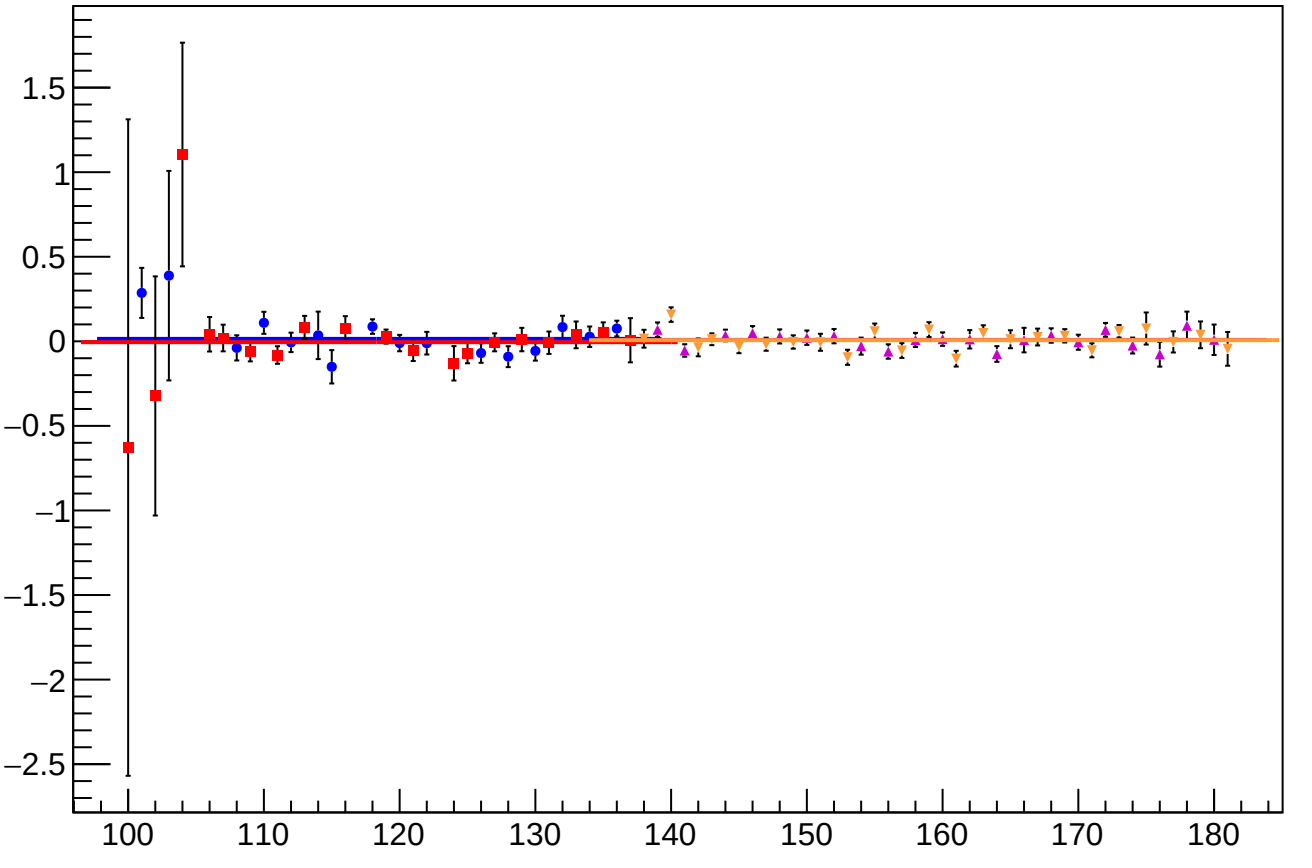
Left In: 0.000+/-0.000 χ^2/NDF:23.3/20

+ sign 0.000+/-0.000 χ^2/NDF: 42.3/38

All: 0.000+/-0.000 χ^2/NDF: 87.4/78

- sign 0.000+/-0.000 χ^2/NDF: 45.1/39


asym_usr_atr1_dd_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: 2274412.4/15
Left Out: 0.000+/-0.000 χ²/NDF:1502565.0/22
Right Out: 0.000+/-0.000 χ²/NDF: 1650144.8/18
Left In: 0.000+/-0.000 χ²/NDF:1382238.7/20
+ sign 0.000+/-0.000 χ²/NDF: 4234095.5/38
All: 0.000+/-0.000 χ²/NDF: 8423561.9/78
- sign 0.000+/-0.000 χ²/NDF: 4170378.7/39



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.007+/-0.010 χ^2/NDF:36.9/22

Right Out: -0.005+/-0.016 χ^2/NDF: 14.9/18

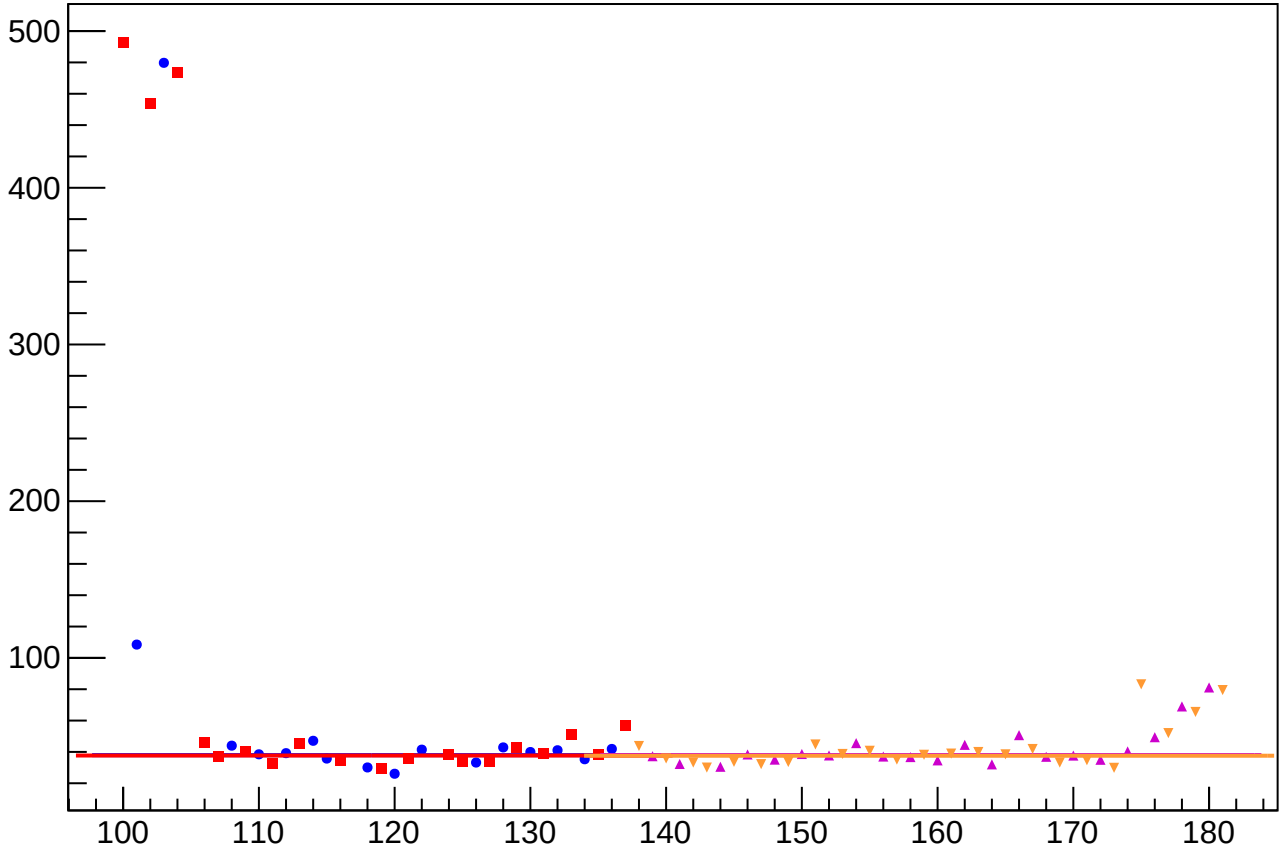
Left In: 0.008+/-0.010 χ^2/NDF:18.7/20

+ sign 0.009+/-0.008 χ^2/NDF: 59.1/38

All: 0.007+/-0.006 χ^2/NDF: 93.2/78

- sign 0.005+/-0.008 χ^2/NDF: 34.0/39

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: 37.571+/-0.007 χ^2/NDF:1585558.7/22

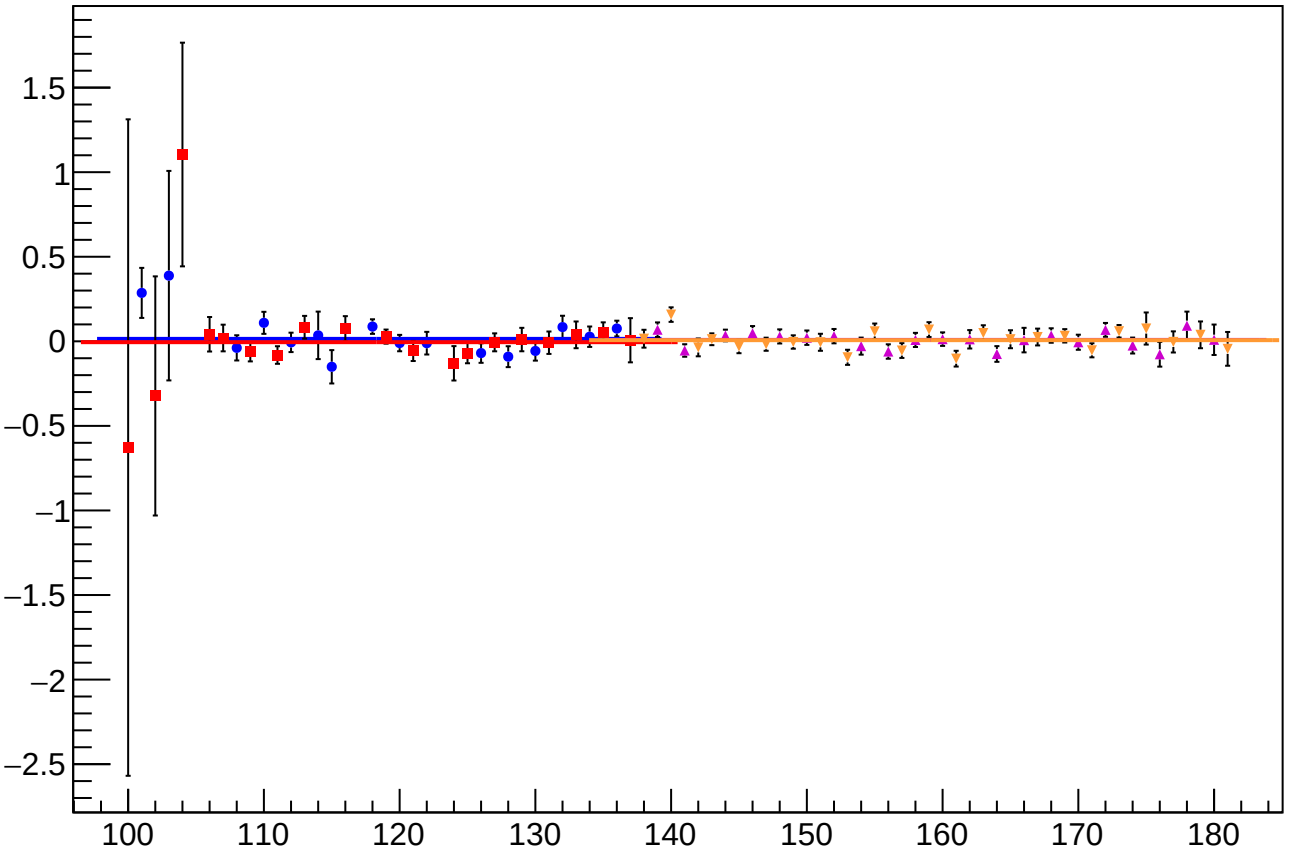
Right Out: 37.696+/-0.011 χ^2/NDF: 1944881.8/18

Left In: 37.986+/-0.007 χ^2/NDF:1141266.4/20

\+ sign 37.671+/-0.006 χ^2/NDF: 3326023.0/38

All: 37.785+/-0.004 χ^2/NDF: 6413423.6/78

\- sign 37.905+/-0.006 χ^2/NDF: 3086619.6/39



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.007+/-0.010 χ^2/NDF:36.9/22

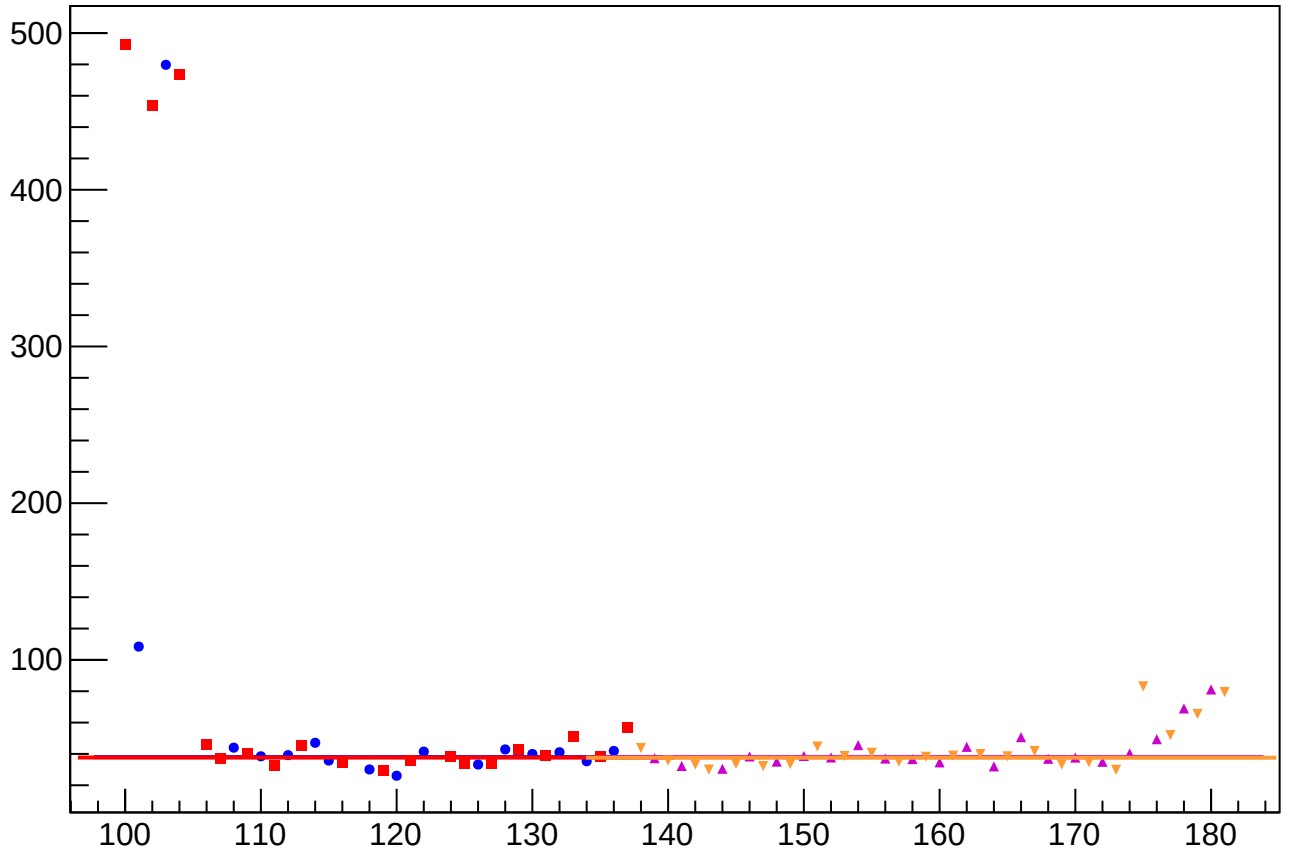
Right Out: -0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: 0.008+/-0.010 χ^2/NDF:18.7/20

+ sign 0.009+/-0.008 χ^2/NDF: 59.1/38

All: 0.007+/-0.006 χ^2/NDF: 93.2/78

- sign 0.005+/-0.008 χ^2/NDF: 34.0/39



Right In: 37.942+/-0.011 χ^2/NDF: 1739669.4/15

Left Out: 37.571+/-0.007 χ^2/NDF:1585558.7/22

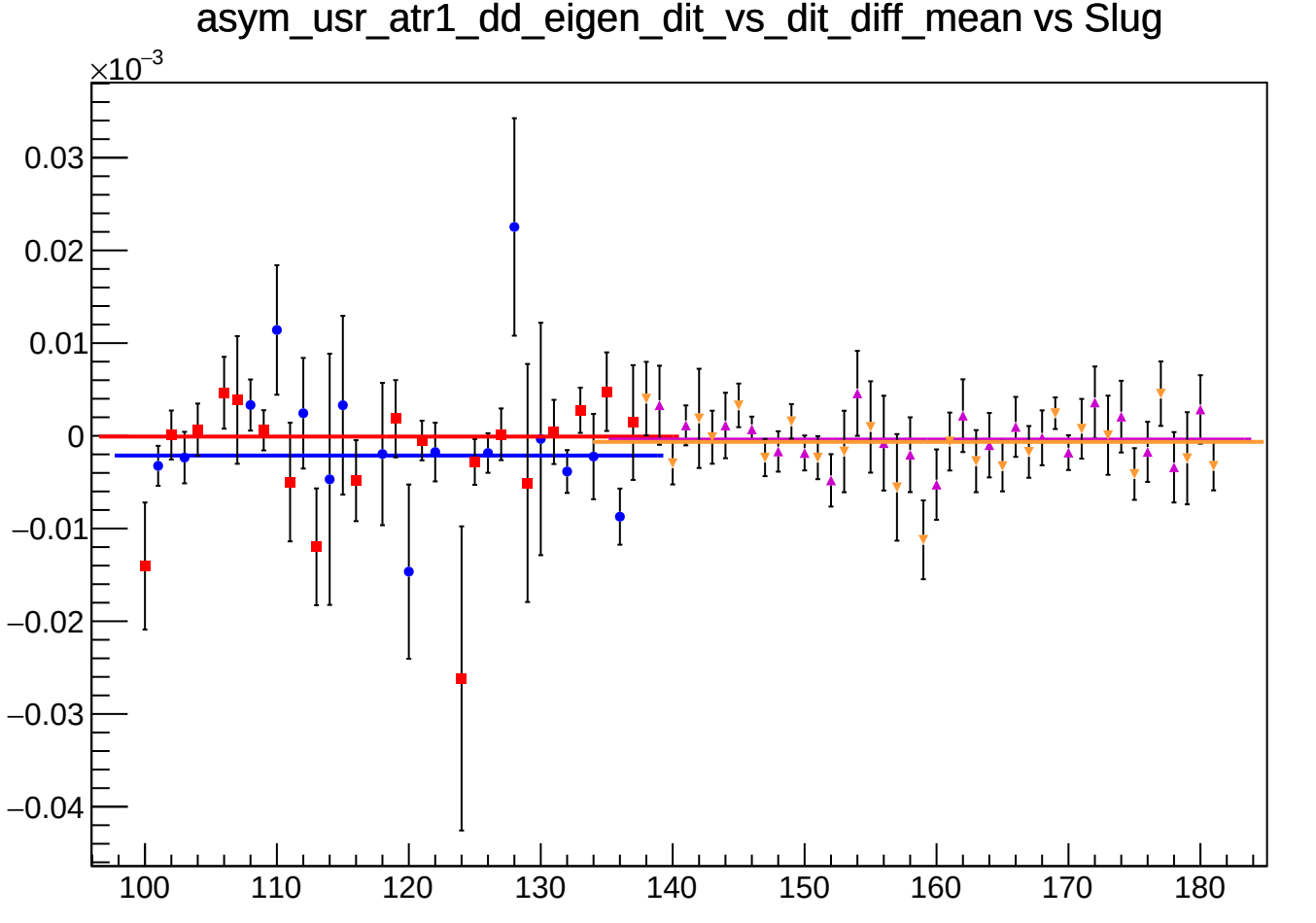
Right Out: 37.696+/-0.011 χ^2/NDF: 1944881.8/18

Left In: 37.986+/-0.007 χ^2/NDF:1141266.4/20

\+ sign 37.671+/-0.006 χ^2/NDF: 3326023.0/38

All: 37.785+/-0.004 χ^2/NDF: 6413423.6/78

\- sign 37.905+/-0.006 χ^2/NDF: 3086619.6/39



Right In: -0.000+/-0.000 χ^2/NDF: 20.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:25.0/22

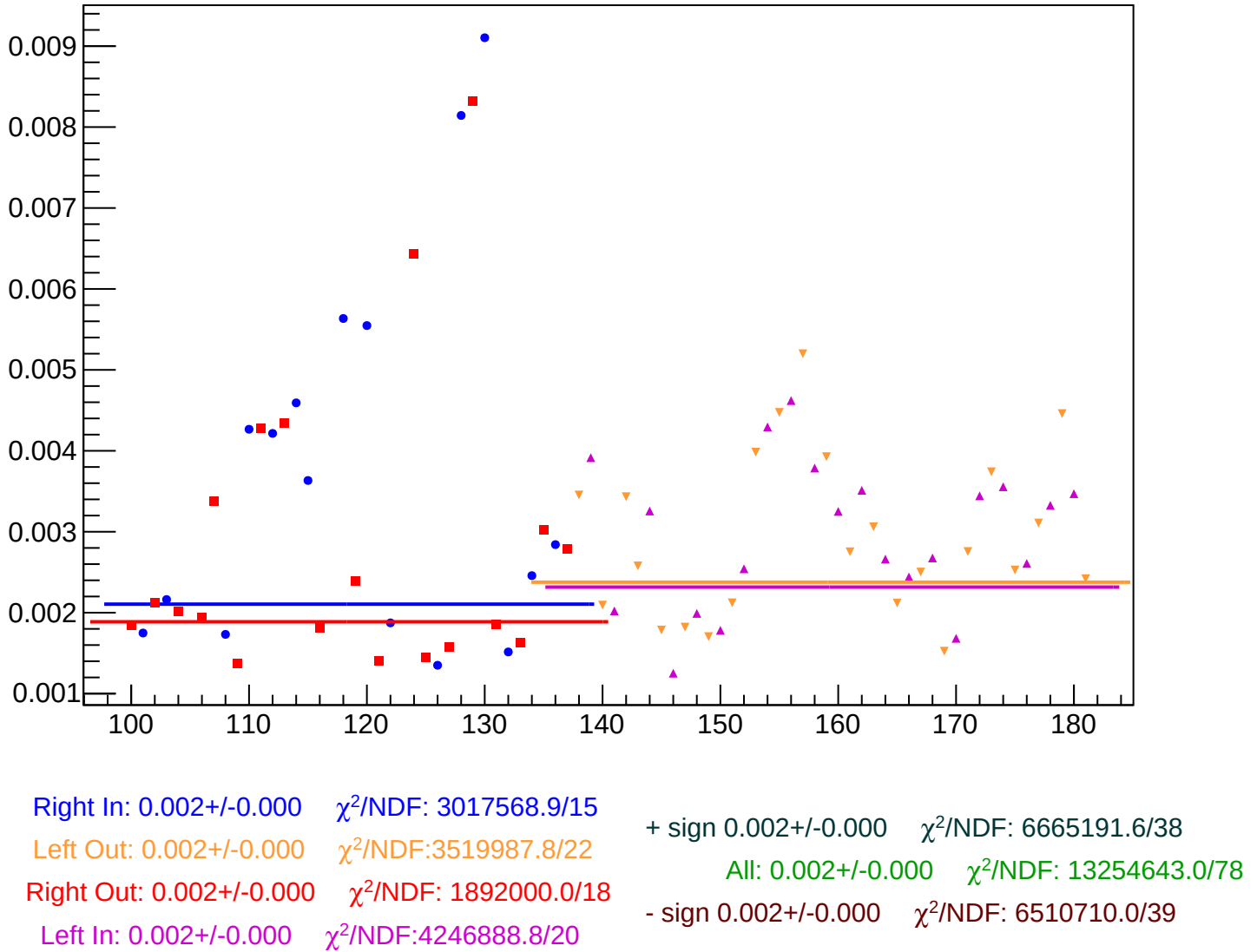
Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

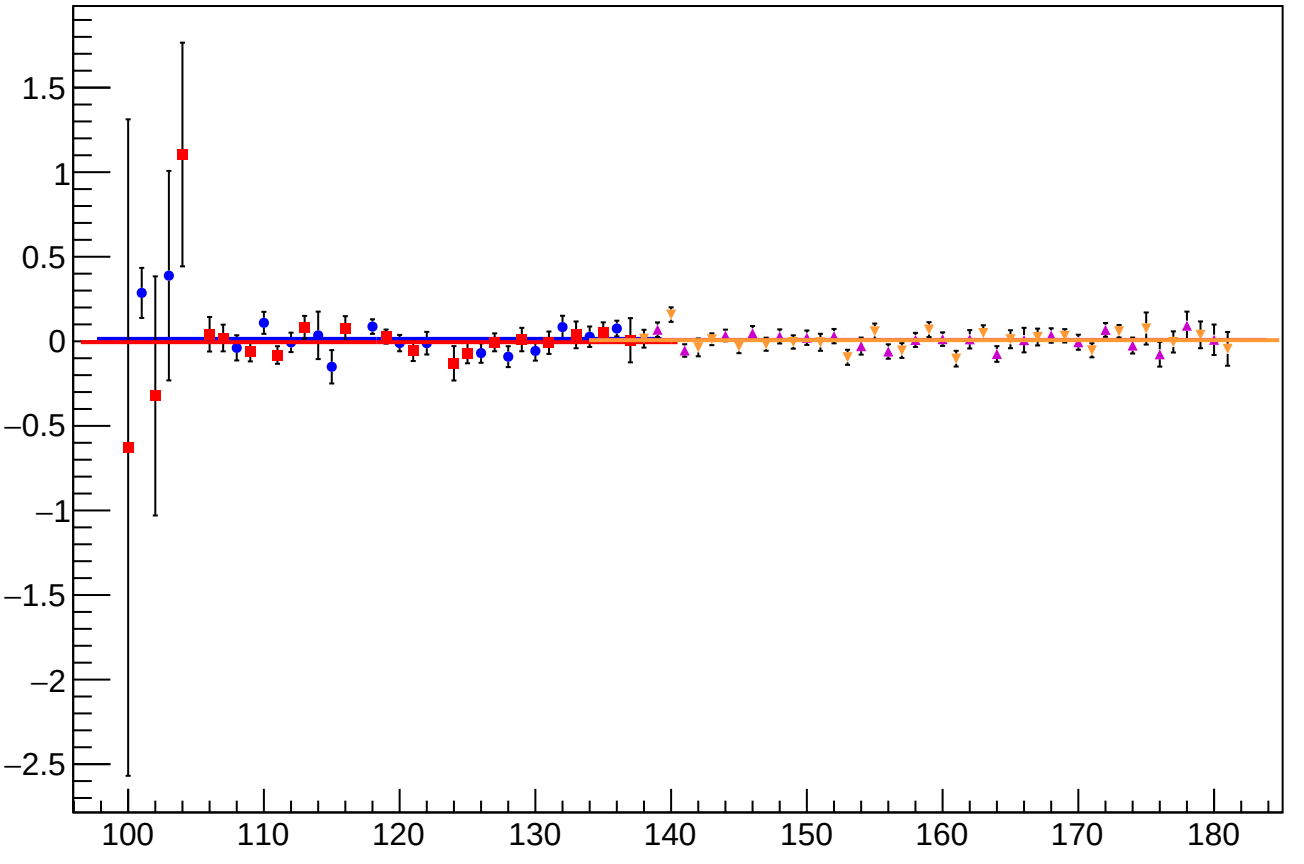
Left In: -0.000+/-0.000 χ^2/NDF:12.7/20

+ sign -0.000+/-0.000 χ^2/NDF: 47.3/38

All: -0.000+/-0.000 χ^2/NDF: 79.9/78

- sign -0.000+/-0.000 χ^2/NDF: 31.2/39


asym_usr_atr1_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: 0.002+/-0.000 χ²/NDF: 3017568.9/15
Left Out: 0.002+/-0.000 χ²/NDF:3519987.8/22
Right Out: 0.002+/-0.000 χ²/NDF: 1892000.0/18
Left In: 0.002+/-0.000 χ²/NDF:4246888.8/20
+ sign 0.002+/-0.000 χ²/NDF: 6665191.6/38
All: 0.002+/-0.000 χ²/NDF: 13254643.0/78
- sign 0.002+/-0.000 χ²/NDF: 6510710.0/39



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.007+/-0.010 χ^2/NDF:36.9/22

Right Out: -0.005+/-0.016 χ^2/NDF: 14.9/18

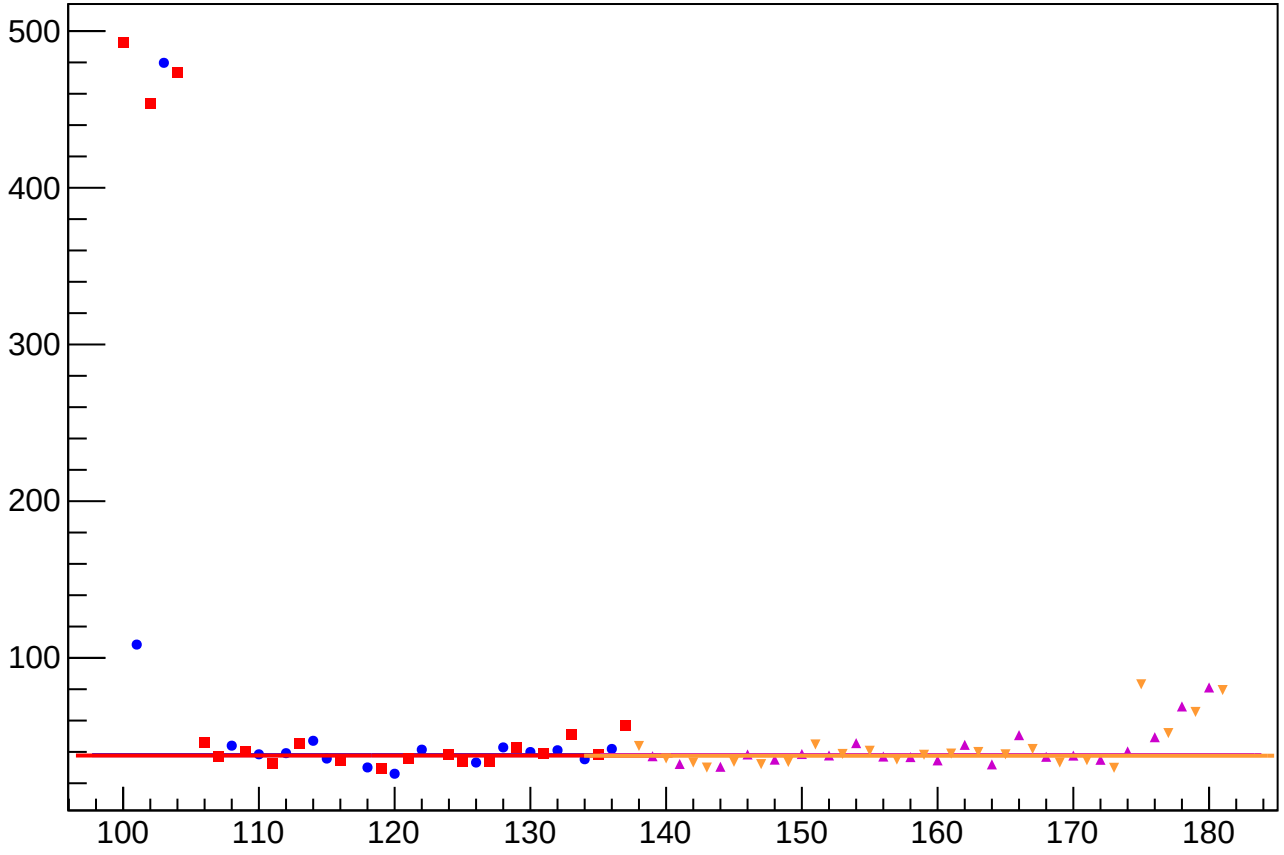
Left In: 0.008+/-0.010 χ^2/NDF:18.7/20

+ sign 0.009+/-0.008 χ^2/NDF: 59.1/38

All: 0.007+/-0.006 χ^2/NDF: 93.2/78

- sign 0.005+/-0.008 χ^2/NDF: 34.0/39

asym_usr_atr1_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 37.942+/-0.011 χ^2/NDF: 1739681.1/15

Left Out: 37.570+/-0.007 χ^2/NDF:1585571.1/22

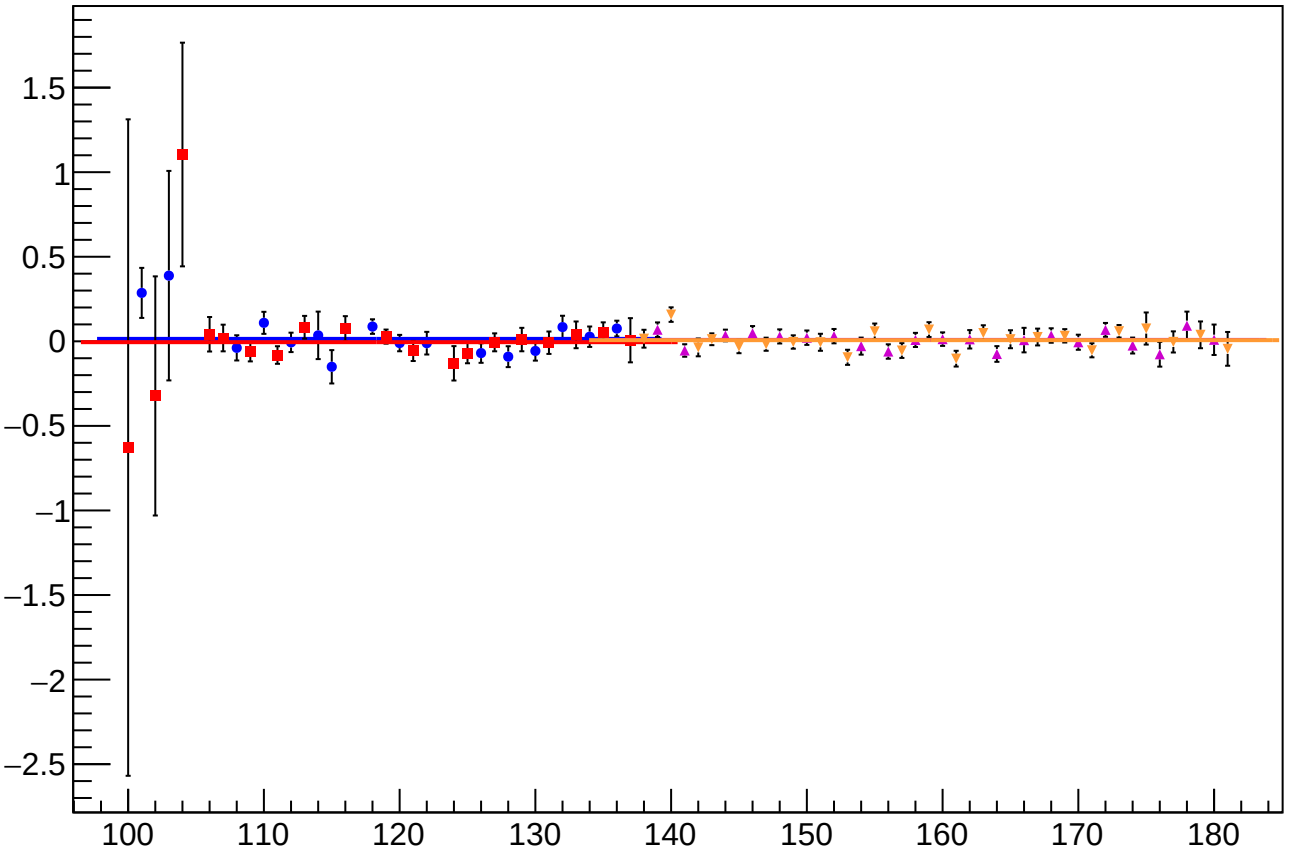
Right Out: 37.695+/-0.011 χ^2/NDF: 1944959.2/18

Left In: 37.986+/-0.007 χ^2/NDF:1141293.5/20

\+ sign 37.671+/-0.006 χ^2/NDF: 3326045.4/38

All: 37.785+/-0.004 χ^2/NDF: 6413551.1/78

\- sign 37.904+/-0.006 χ^2/NDF: 3086726.9/39



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.007+/-0.010 χ^2/NDF:36.9/22

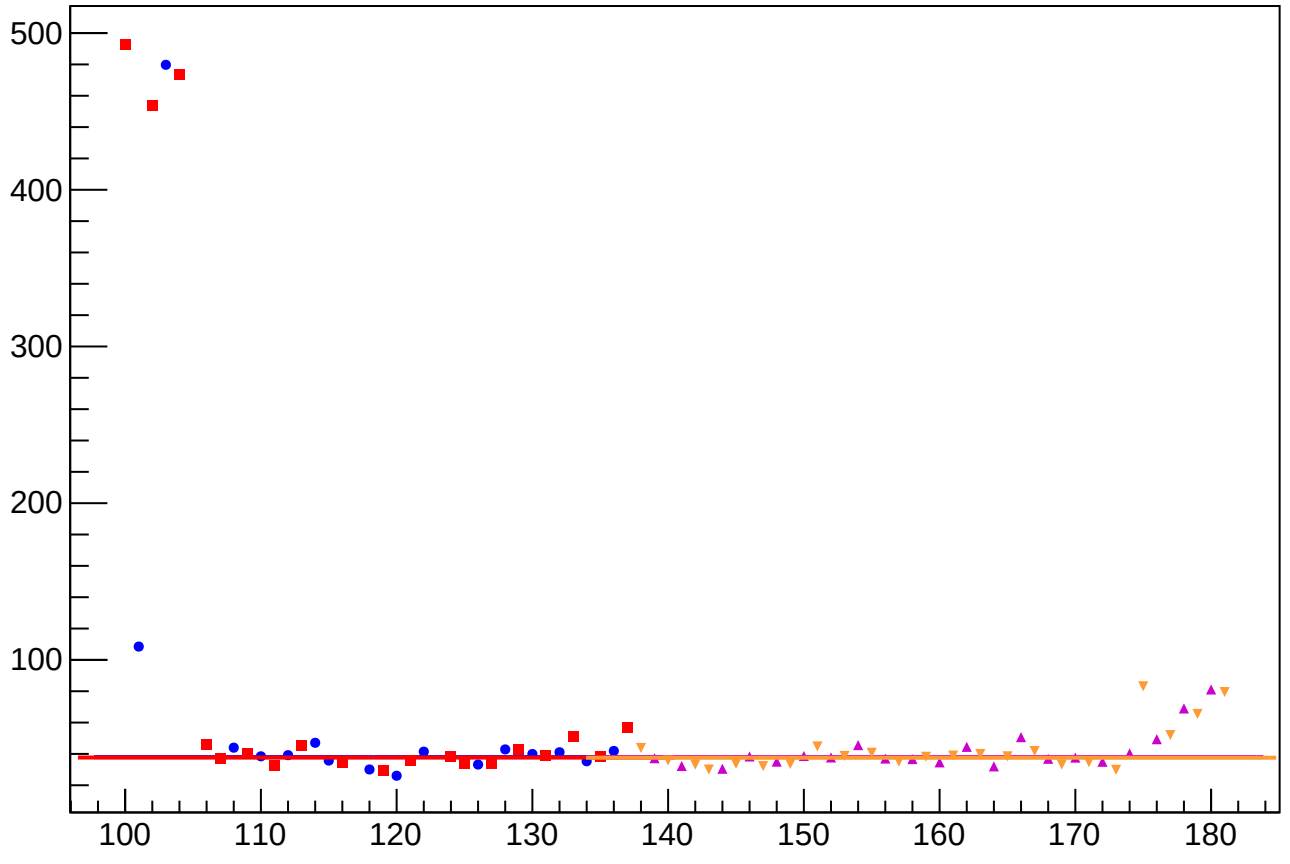
Right Out: -0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: 0.008+/-0.010 χ^2/NDF:18.7/20

+ sign 0.009+/-0.008 χ^2/NDF: 59.1/38

All: 0.007+/-0.006 χ^2/NDF: 93.2/78

- sign 0.005+/-0.008 χ^2/NDF: 34.0/39



Right In: 37.942+/-0.011 χ^2/NDF: 1739681.1/15

Left Out: 37.570+/-0.007 χ^2/NDF:1585571.1/22

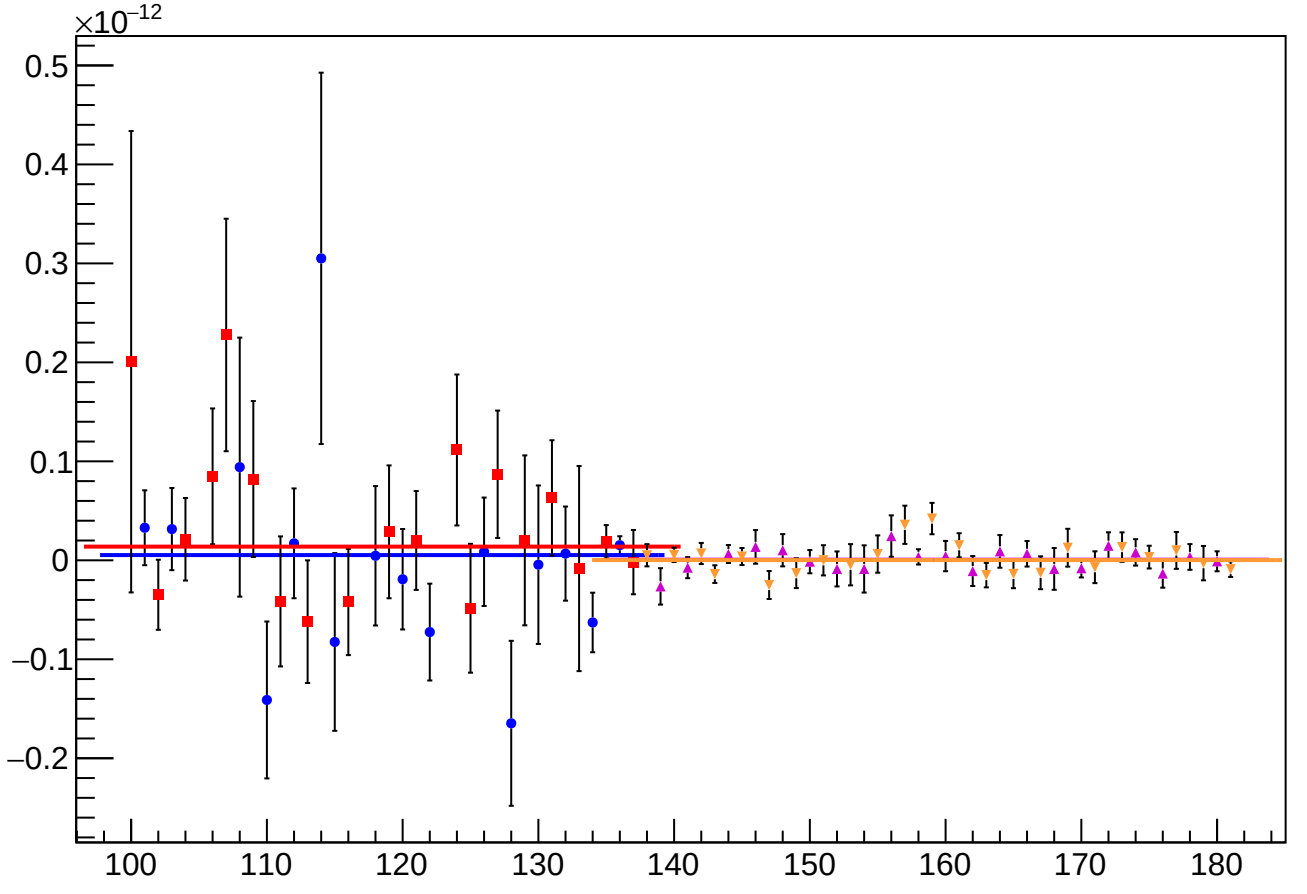
Right Out: 37.695+/-0.011 χ^2/NDF: 1944959.2/18

Left In: 37.986+/-0.007 χ^2/NDF:1141293.5/20

\+ sign 37.671+/-0.006 χ^2/NDF: 3326045.4/38

All: 37.785+/-0.004 χ^2/NDF: 6413551.1/78

\- sign 37.904+/-0.006 χ^2/NDF: 3086726.9/39



Right In: 0.000+/-0.000 χ^2/NDF: 21.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:26.0/22

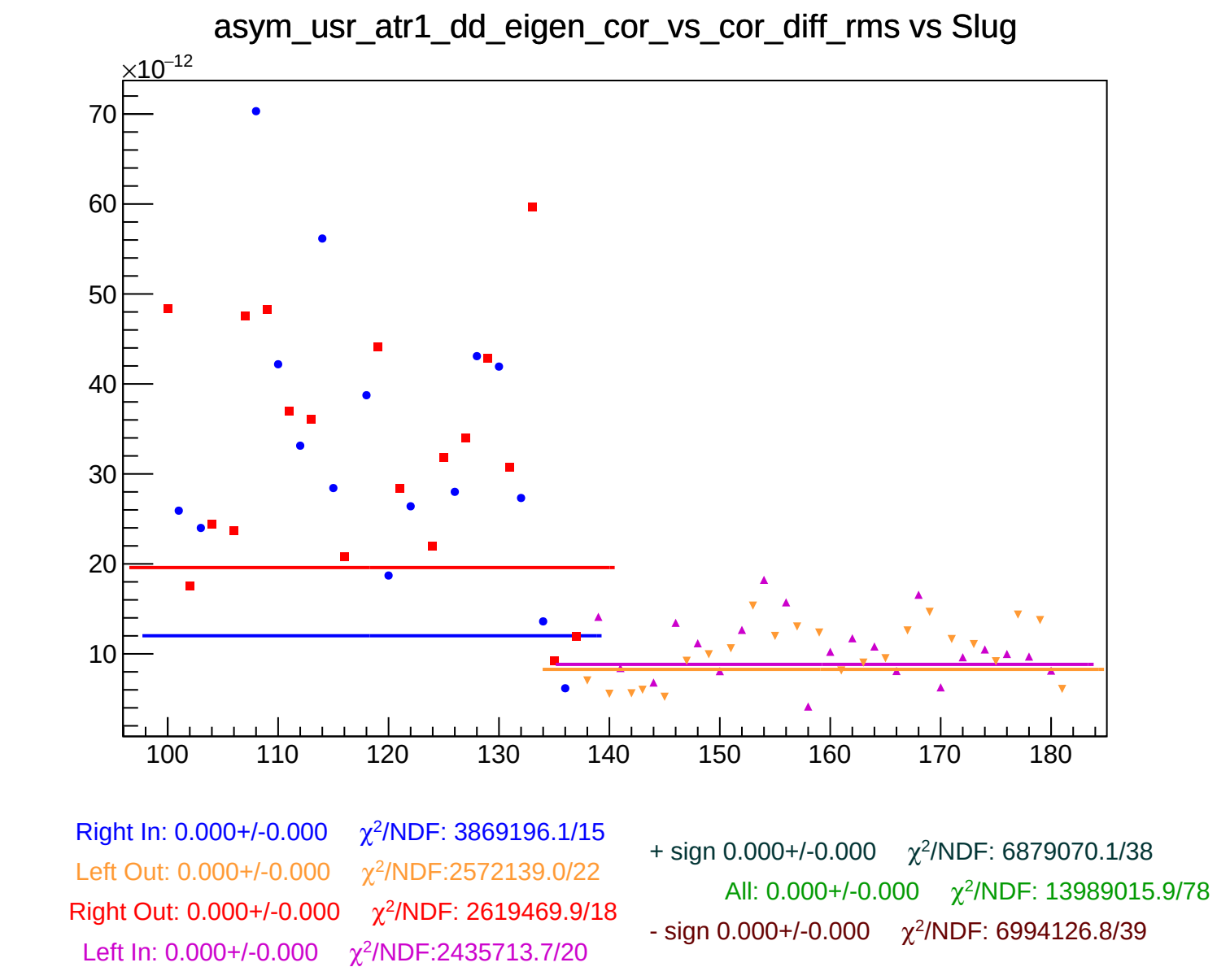
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: 0.000+/-0.000 χ^2/NDF:10.5/20

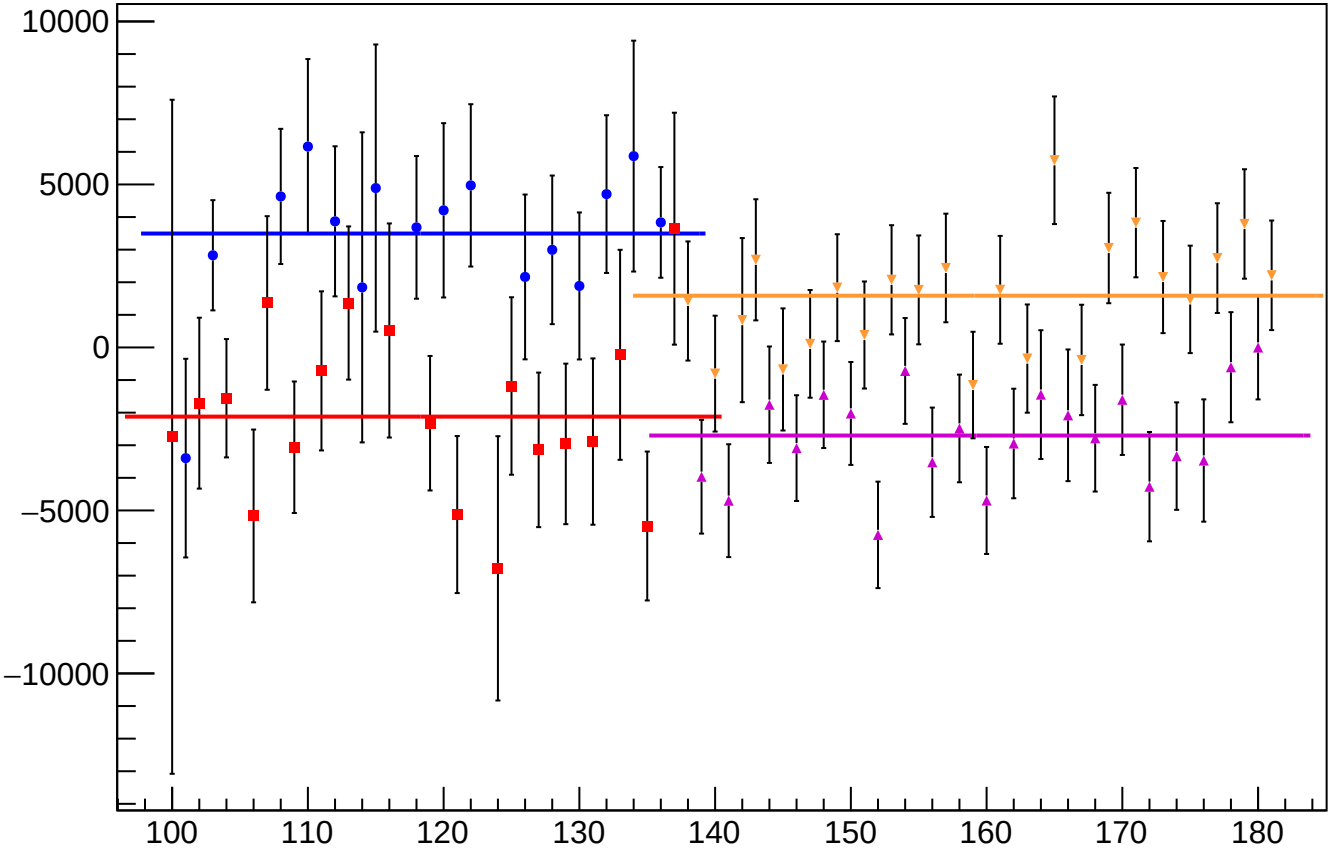
+ sign 0.000+/-0.000 χ^2/NDF: 48.1/38

All: 0.000+/-0.000 χ^2/NDF: 76.1/78

- sign 0.000+/-0.000 χ^2/NDF: 28.0/39


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:2572139.0/22
Right Out: 0.000+/-0.000 χ²/NDF: 2619469.9/18
Left In: 0.000+/-0.000 χ²/NDF:2435713.7/20
+ sign 0.000+/-0.000 χ²/NDF: 6879070.1/38
All: 0.000+/-0.000 χ²/NDF: 13989015.9/78
- sign 0.000+/-0.000 χ²/NDF: 6994126.8/39

reg_asym_usr_atr2_avg_mean vs Slug



Right In: 3494.380+/-601.185 χ^2/NDF: 8.8/15

Left Out: 1587.649+/-359.938 χ^2/NDF:20.4/22

Right Out: -2121.717+/-587.617 χ^2/NDF: 15.1/18

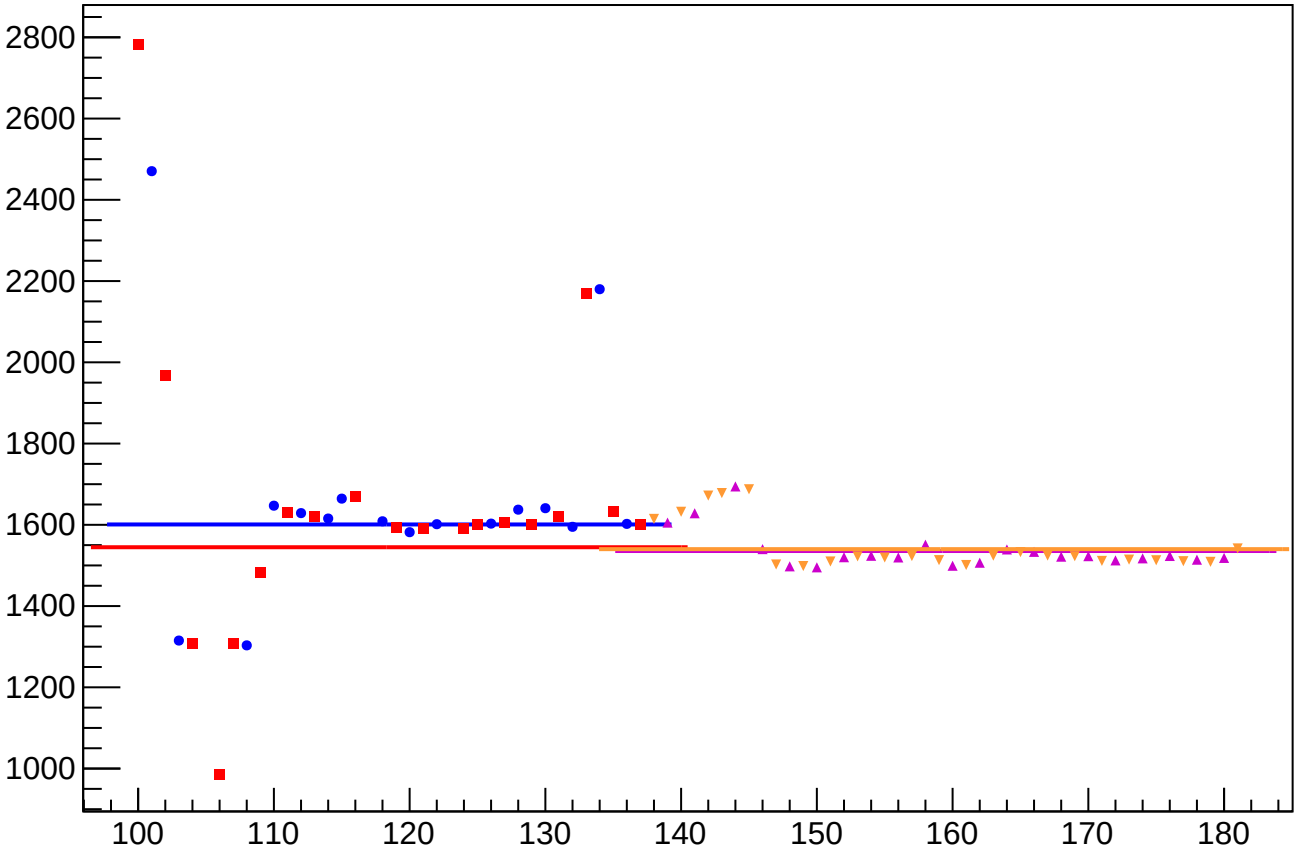
Left In: -2702.317+/-369.824 χ^2/NDF:16.2/20

+ sign 2090.781+/-308.819 χ^2/NDF: 36.7/38

All: -192.327+/-219.829 χ^2/NDF: 179.5/78

- sign -2537.590+/-312.995 χ^2/NDF: 32.0/39

reg_asym_usr_atr2_avg_rms vs Slug



Right In: 1600.880+/-0.425 χ^2/NDF: 317414.0/15

Left Out: 1540.112+/-0.255 χ^2/NDF:46524.1/22

Right Out: 1544.809+/-0.409 χ^2/NDF: 376127.4/18

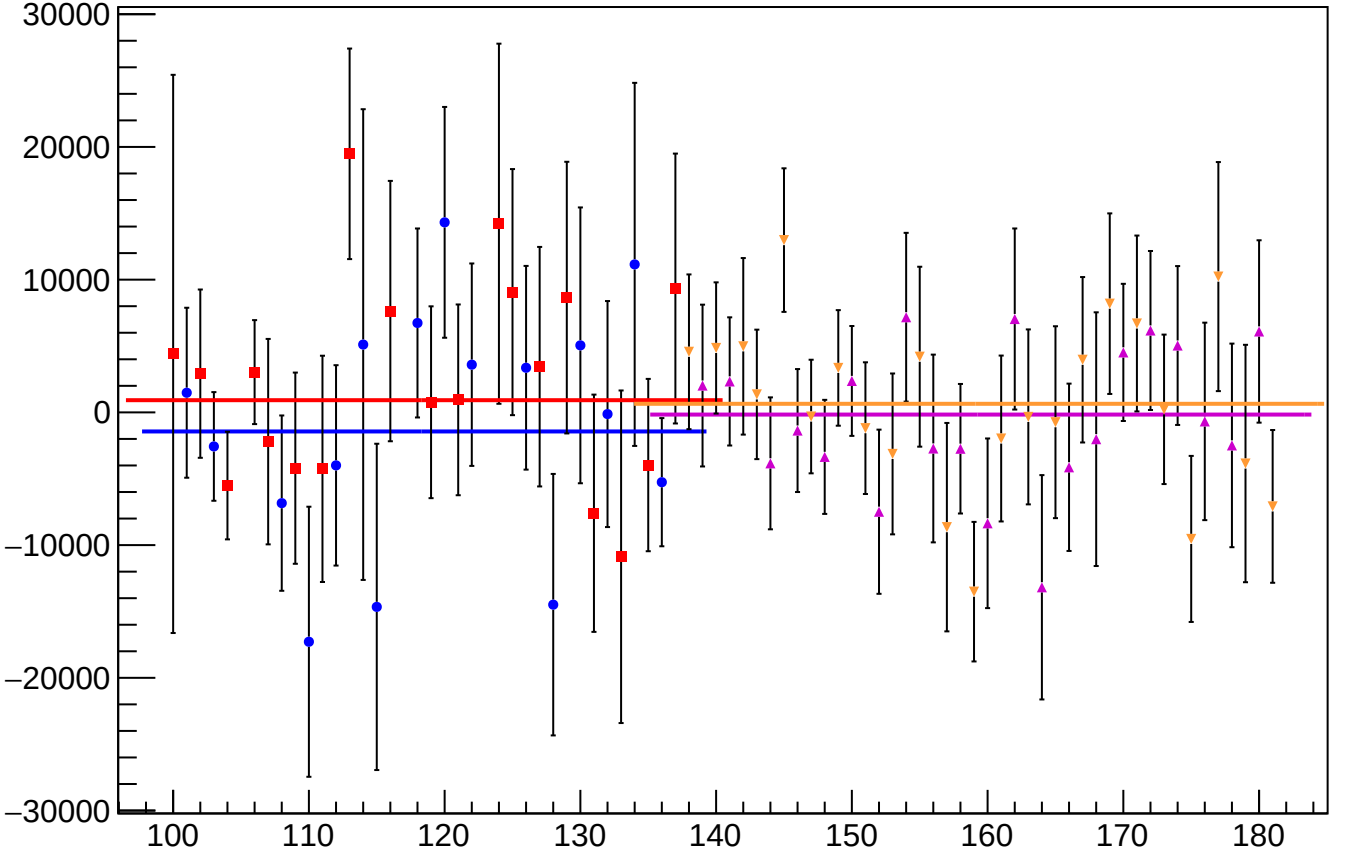
Left In: 1535.523+/-0.262 χ^2/NDF:30920.9/20

+ sign 1556.147+/-0.218 χ^2/NDF: 378980.3/38

All: 1547.261+/-0.155 χ^2/NDF: 789735.1/78

- sign 1538.222+/-0.220 χ^2/NDF: 407414.7/39

asym_usr_atr2_avg_reg_correction_mean vs Slug



Right In: -1437.118+/-1848.287 χ^2/NDF: 13.9/15

Left Out: 646.142+/-1221.985 χ^2/NDF:25.2/22

Right Out: 918.485+/-1669.278 χ^2/NDF: 15.3/18

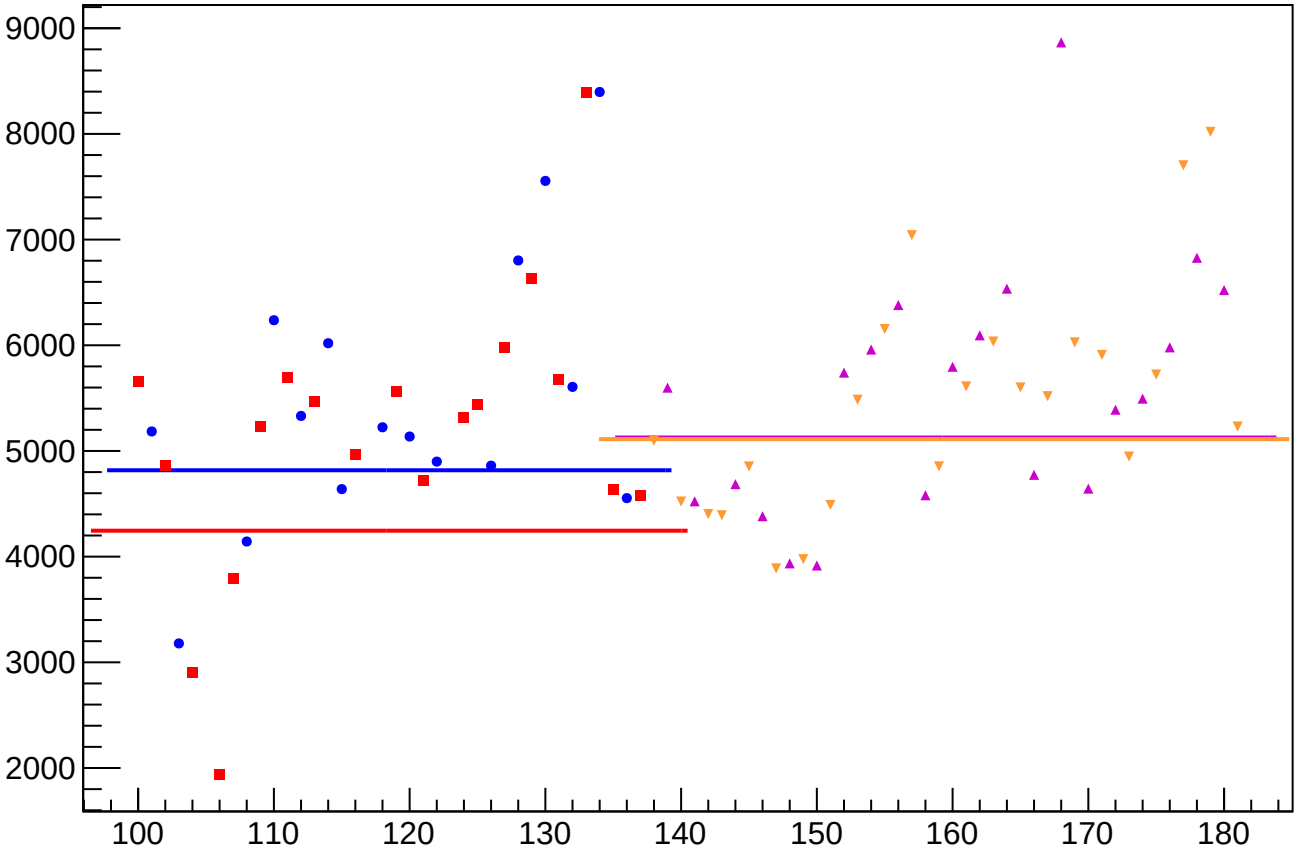
Left In: -164.881+/-1262.051 χ^2/NDF:14.3/20

+ sign 12.497+/-1019.343 χ^2/NDF: 40.0/38

All: 122.173+/-716.277 χ^2/NDF: 69.9/78

- sign 229.148+/-1006.712 χ^2/NDF: 29.9/39

asym_usr_atr2_avg_reg_correction_rms vs Slug



Right In: 4817.344+/-1.307 χ^2/NDF: 795431.1/15

Left Out: 5111.722+/-0.864 χ^2/NDF:1158973.9/22

Right Out: 4245.533+/-1.180 χ^2/NDF: 1683159.2/18

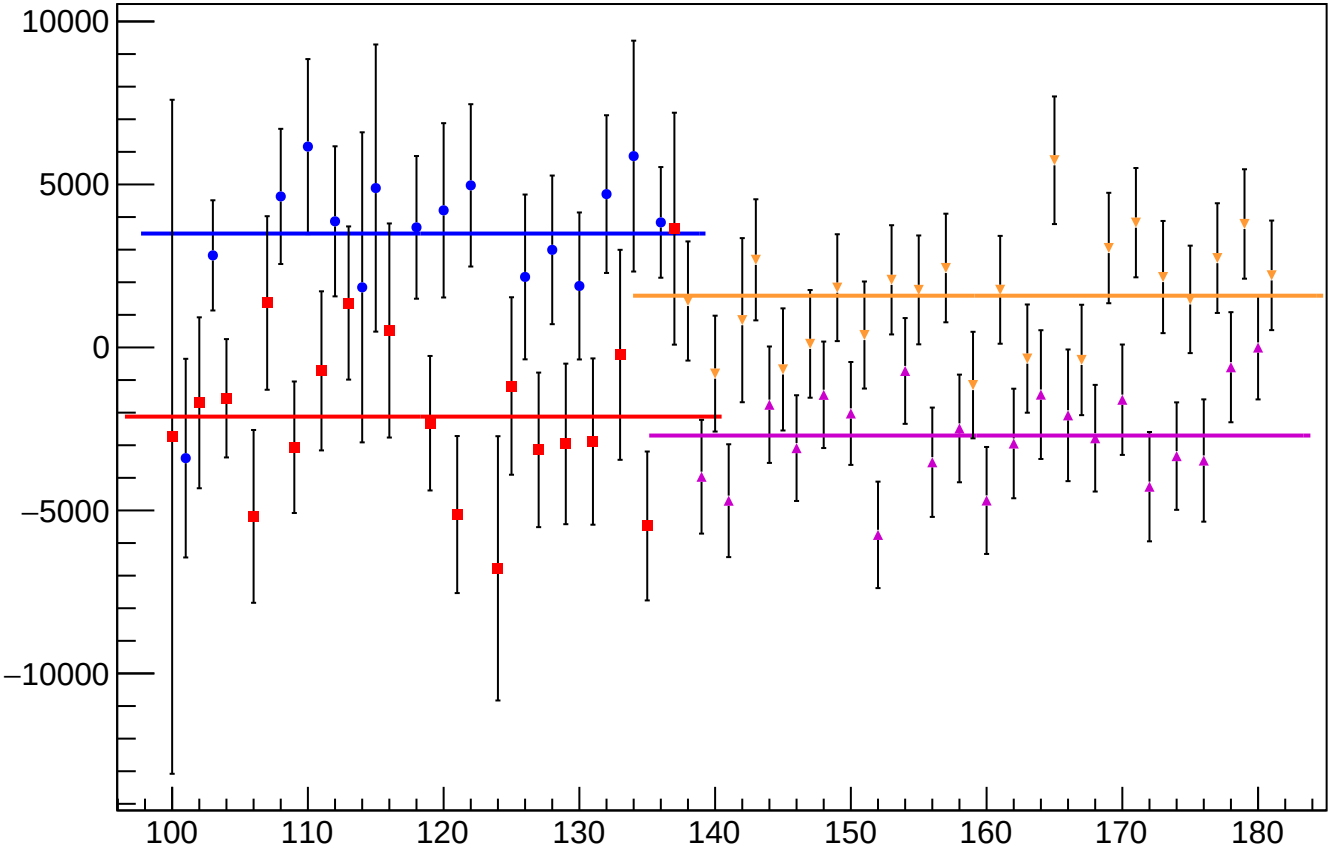
Left In: 5127.585+/-0.892 χ^2/NDF:1243393.2/20

\+ sign 5022.184+/-0.721 χ^2/NDF: 1989708.1/38

All: 4913.137+/-0.506 χ^2/NDF: 5316791.5/78

\- sign 4806.775+/-0.712 χ^2/NDF: 3281870.1/39

cor_asym_usr_atr2_avg_mean vs Slug



Right In: 3494.046+/-601.185 χ^2/NDF: 8.8/15

Left Out: 1587.537+/-359.938 χ^2/NDF:20.4/22

Right Out: -2121.708+/-587.619 χ^2/NDF: 15.1/18

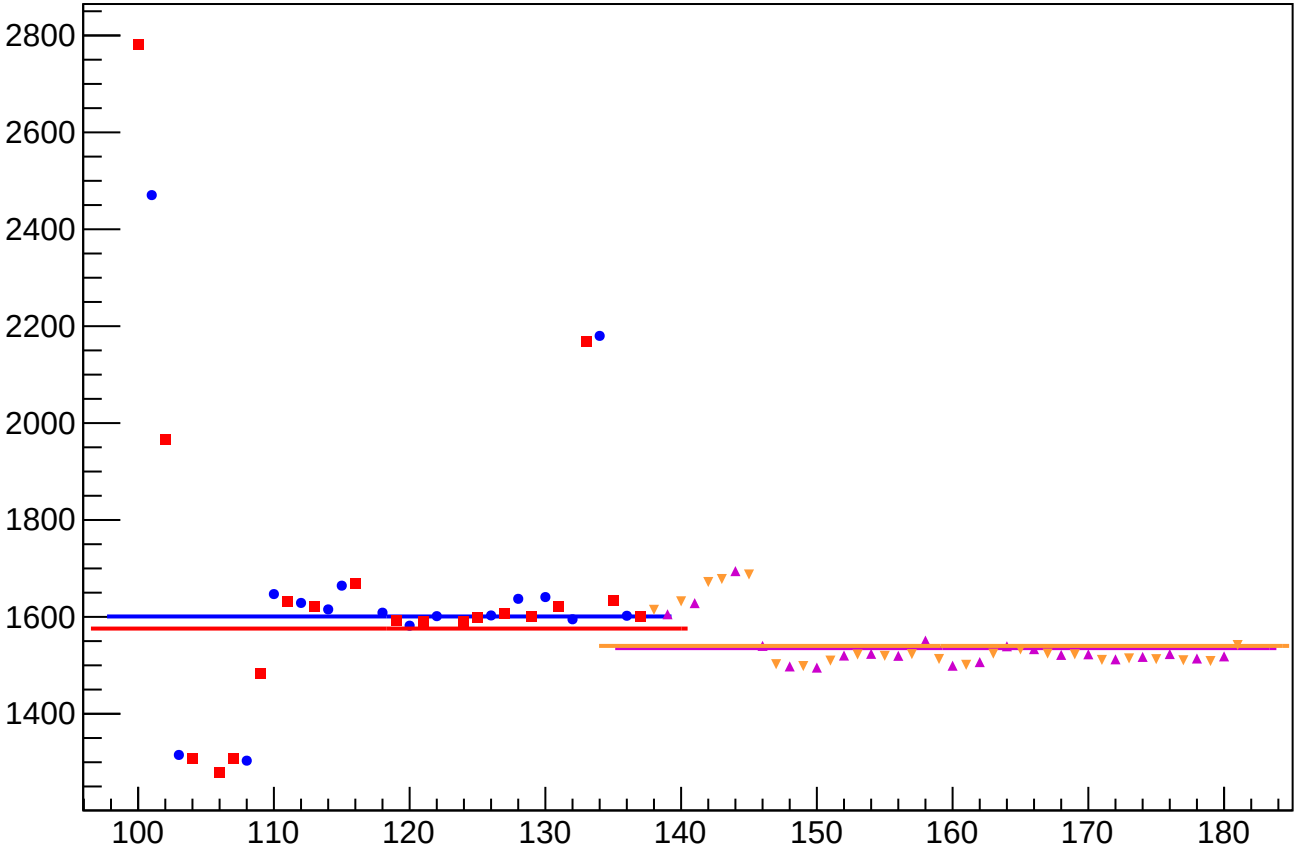
Left In: -2702.237+/-369.824 χ^2/NDF:16.2/20

+ sign 2090.610+/-308.819 χ^2/NDF: 36.7/38

All: -192.381+/-219.830 χ^2/NDF: 179.5/78

- sign -2537.532+/-312.995 χ^2/NDF: 32.0/39

cor_asym_usr_atr2_avg_rms vs Slug



Right In: 1600.880+/-0.425 χ^2/NDF: 317413.1/15

Left Out: 1540.112+/-0.255 χ^2/NDF:46524.1/22

Right Out: 1575.900+/-0.414 χ^2/NDF: 243332.0/18

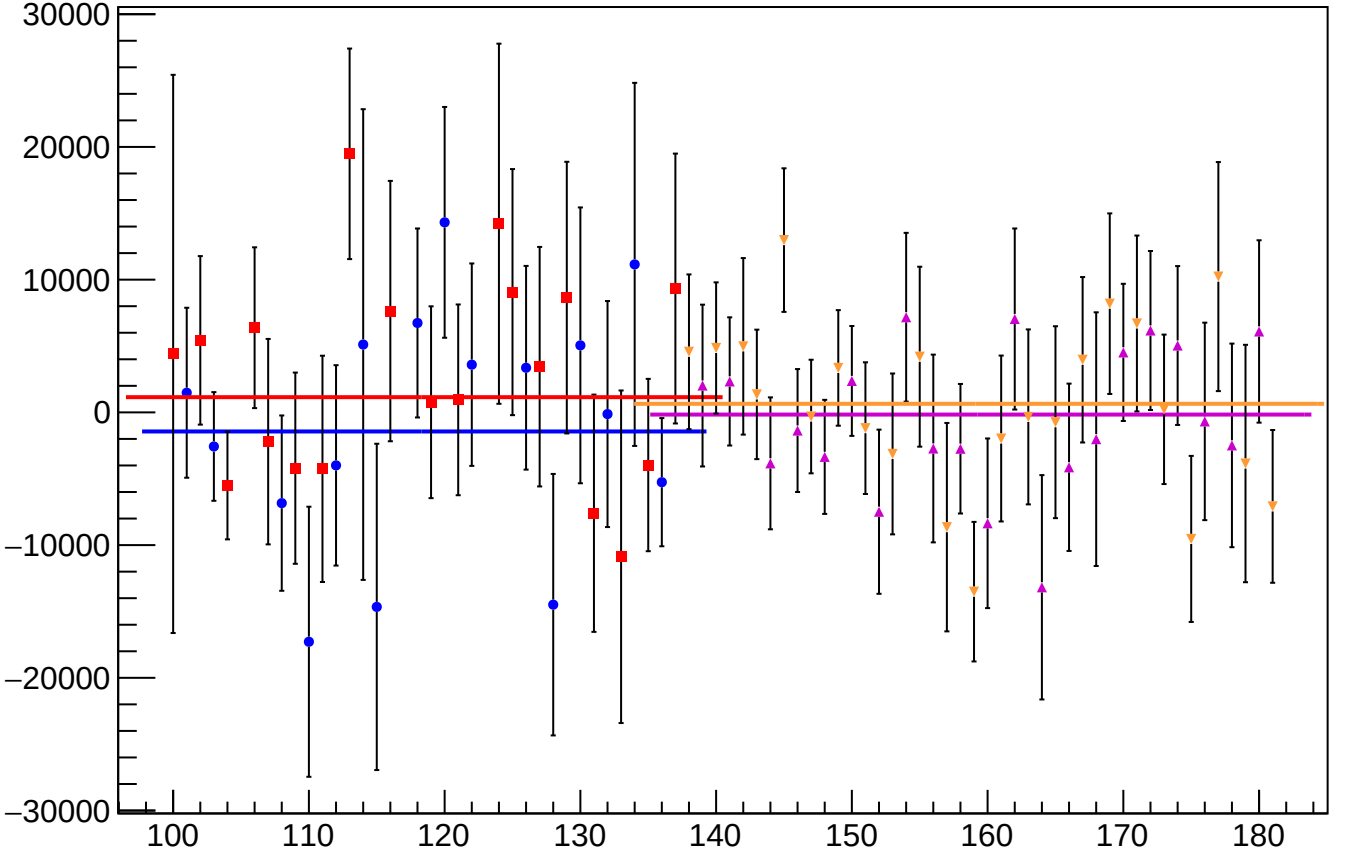
Left In: 1535.523+/-0.262 χ^2/NDF:30920.9/20

+ sign 1556.147+/-0.218 χ^2/NDF: 378979.6/38

All: 1551.651+/-0.155 χ^2/NDF: 660892.7/78

- sign 1547.044+/-0.221 χ^2/NDF: 281054.9/39

asym_usr_atr2_avg_cor_correction_mean vs Slug



Right In: -1437.362+/-1848.324 χ^2/NDF: 13.9/15

Left Out: 646.134+/-1221.983 χ^2/NDF:25.2/22

Right Out: 1146.174+/-1765.384 χ^2/NDF: 16.3/18

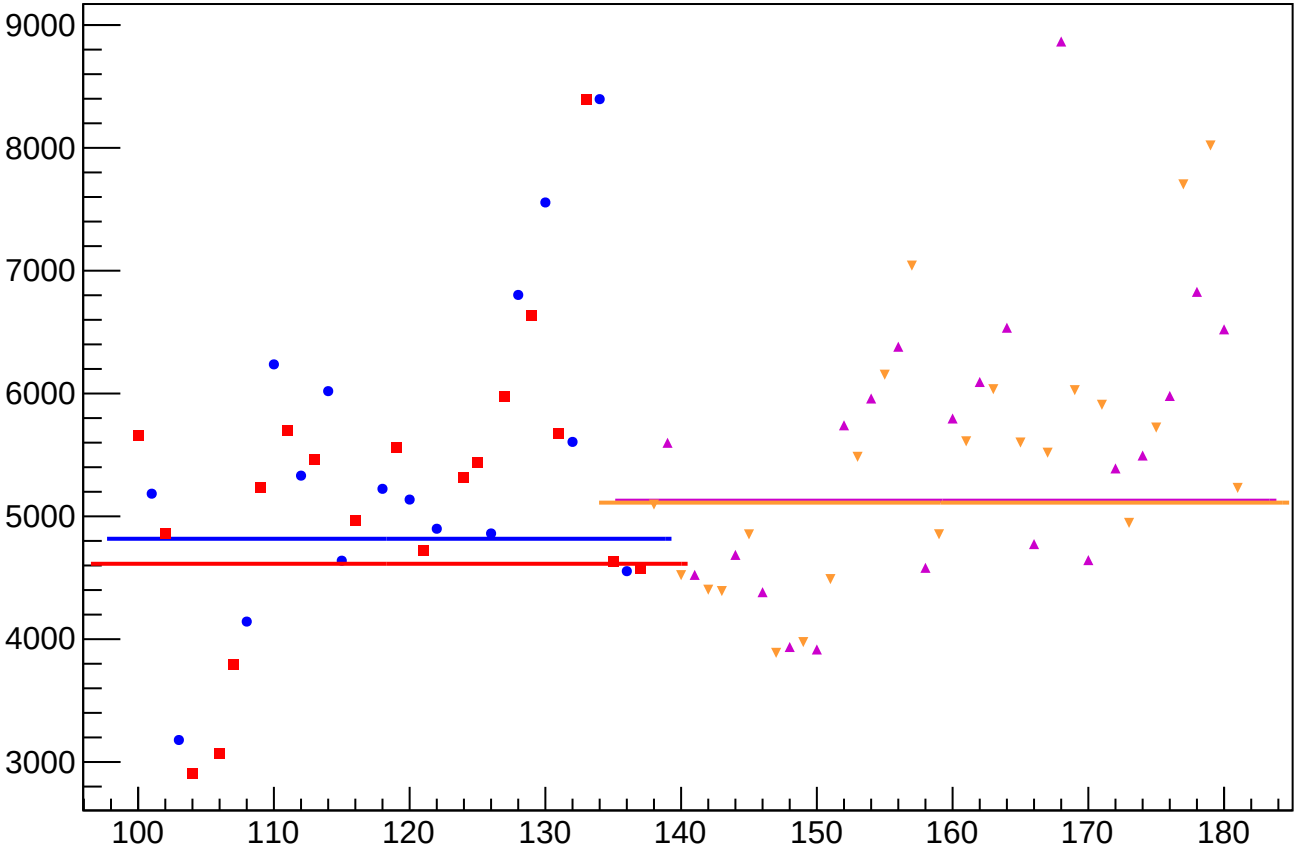
Left In: -164.881+/-1262.051 χ^2/NDF:14.3/20

\+ sign 12.437+/-1019.348 χ^2/NDF: 40.0/38

All: 144.534+/-723.367 χ^2/NDF: 70.9/78

\- sign 278.537+/-1026.681 χ^2/NDF: 30.9/39

asym_usr_atr2_avg_cor_correction_rms vs Slug



Right In: 4817.480+/-1.307 χ^2/NDF: 795233.3/15

Left Out: 5111.712+/-0.864 χ^2/NDF:1158986.6/22

Right Out: 4613.851+/-1.248 χ^2/NDF: 977958.2/18

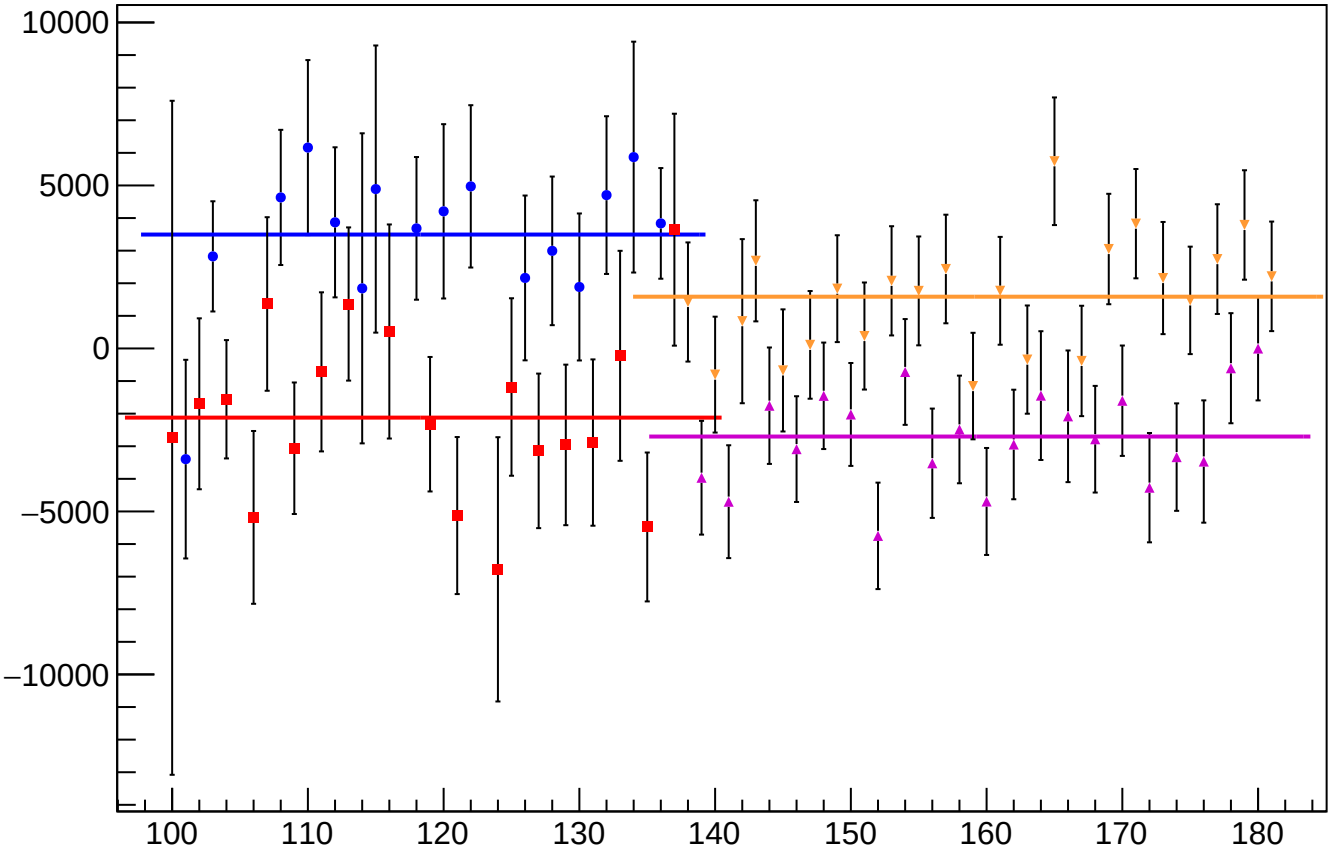
Left In: 5127.583+/-0.892 χ^2/NDF:1243393.6/20

+ sign 5022.221+/-0.721 χ^2/NDF: 1989486.9/38

All: 4988.271+/-0.511 χ^2/NDF: 4327391.5/78

- sign 4953.831+/-0.726 χ^2/NDF: 2333435.6/39

eigen_cor_asym_usr_atr2_avg_mean vs Slug



Right In: 3494.046+/-601.185 χ^2/NDF: 8.8/15

Left Out: 1587.537+/-359.938 χ^2/NDF:20.4/22

Right Out: -2121.708+/-587.619 χ^2/NDF: 15.1/18

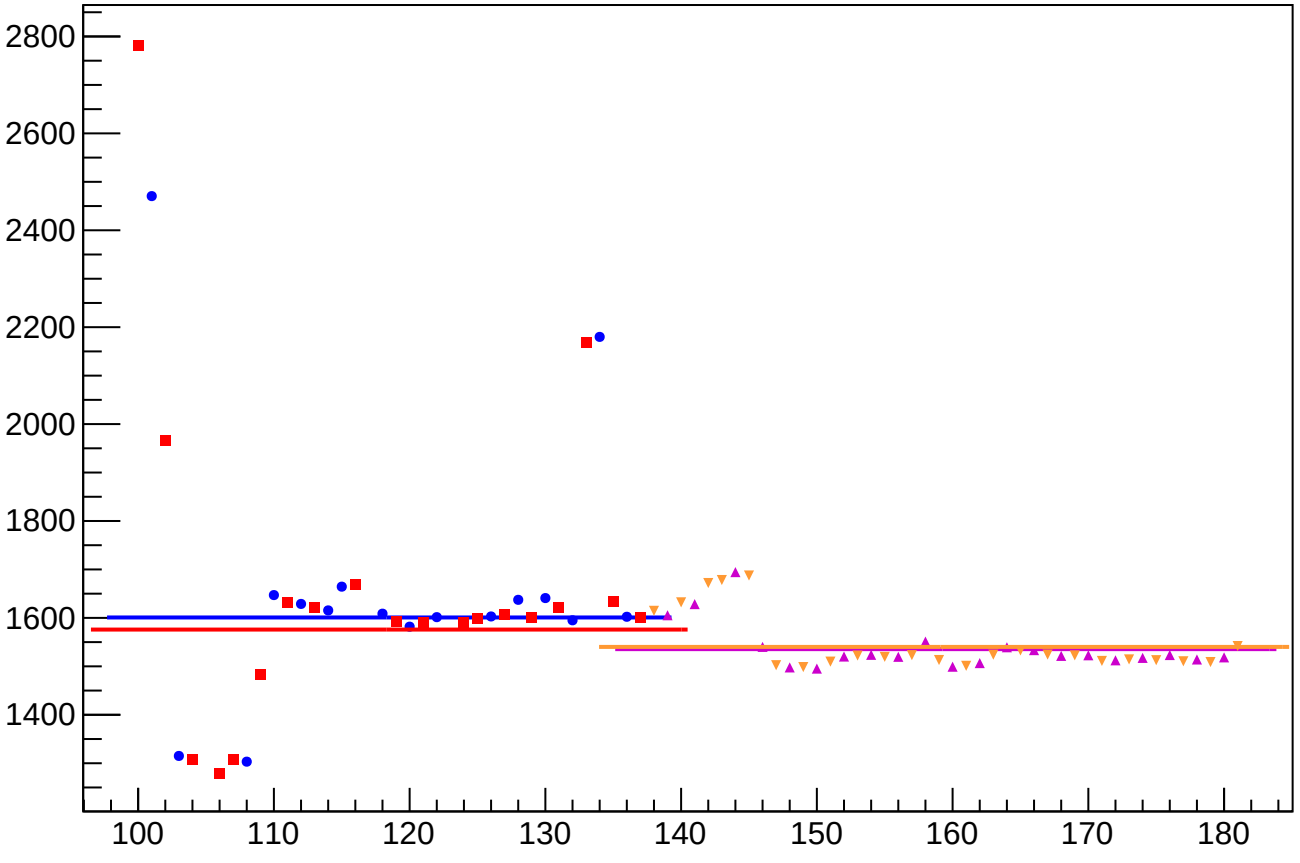
Left In: -2702.237+/-369.824 χ^2/NDF:16.2/20

+ sign 2090.610+/-308.819 χ^2/NDF: 36.7/38

All: -192.381+/-219.830 χ^2/NDF: 179.5/78

- sign -2537.532+/-312.995 χ^2/NDF: 32.0/39

eigen_cor_asym_usr_atr2_avg_rms vs Slug



Right In: 1600.880+/-0.425 χ^2/NDF: 317413.1/15

Left Out: 1540.112+/-0.255 χ^2/NDF:46524.1/22

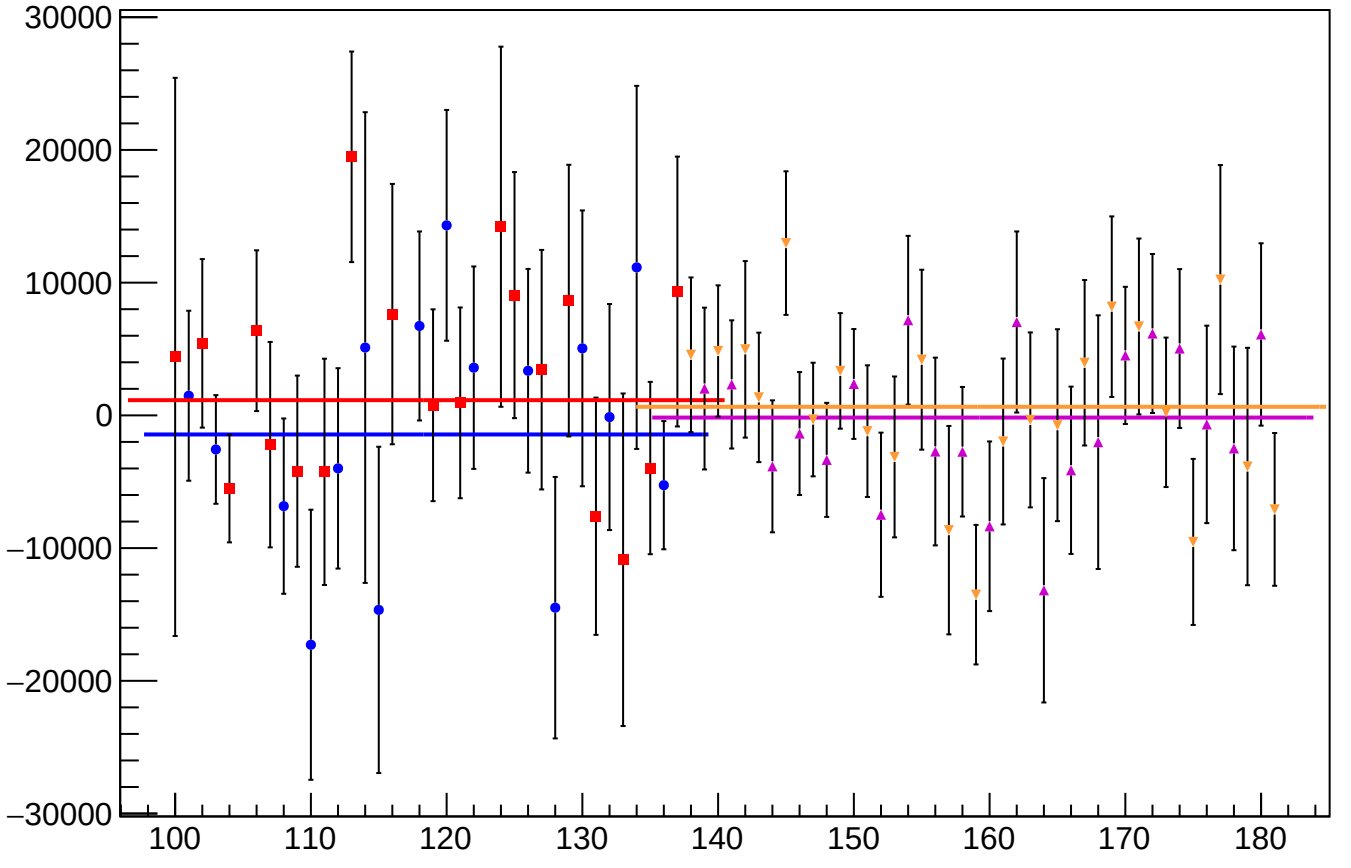
Right Out: 1575.900+/-0.414 χ^2/NDF: 243332.0/18

Left In: 1535.523+/-0.262 χ^2/NDF:30920.9/20

+ sign 1556.147+/-0.218 χ^2/NDF: 378979.6/38

All: 1551.651+/-0.155 χ^2/NDF: 660892.7/78

- sign 1547.044+/-0.221 χ^2/NDF: 281054.9/39



Right In: -1437.362+/-1848.324 χ^2/NDF: 13.9/15

Left Out: 646.134+/-1221.983 χ^2/NDF:25.2/22

Right Out: 1146.174+/-1765.384 χ^2/NDF: 16.3/18

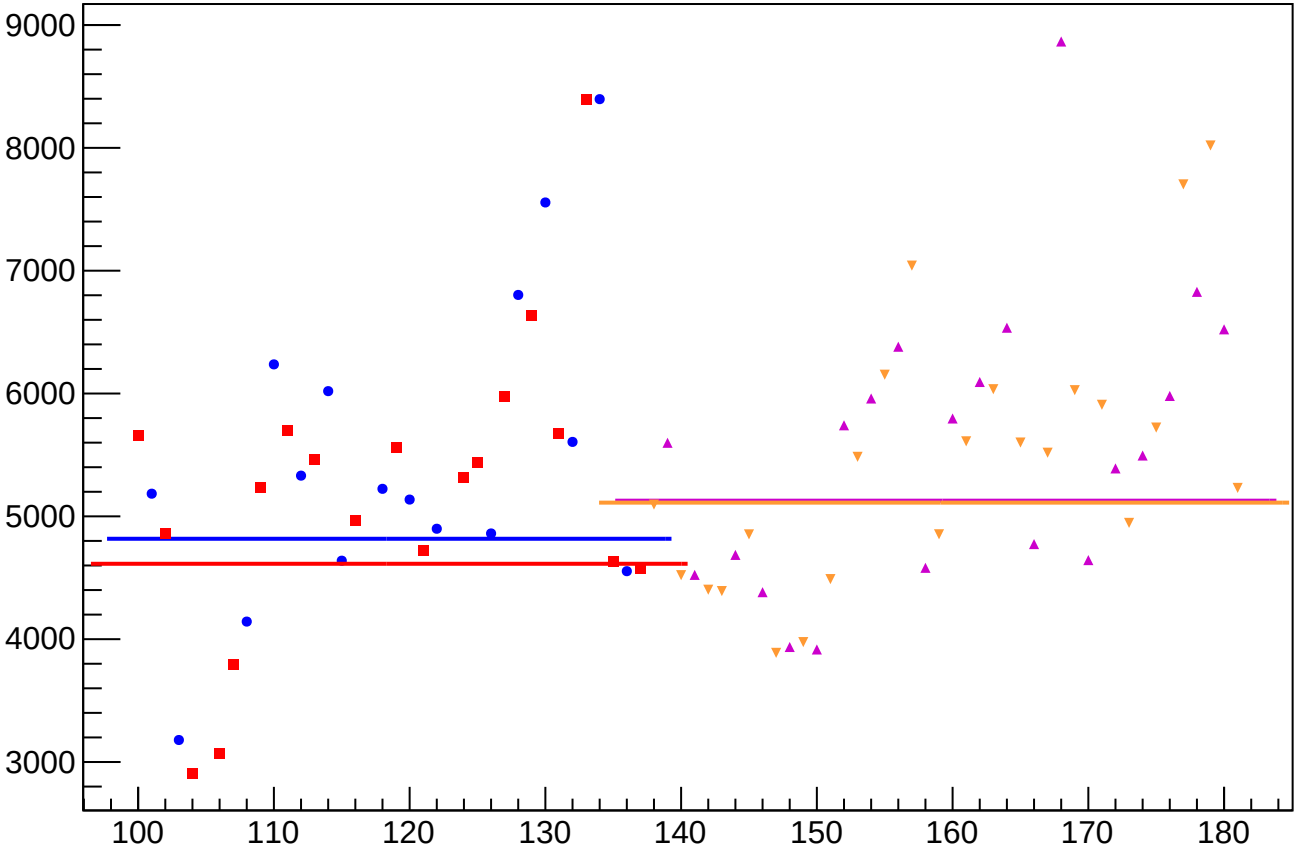
Left In: -164.881+/-1262.051 χ^2/NDF:14.3/20

+ sign 12.437+/-1019.348 χ^2/NDF: 40.0/38

All: 144.534+/-723.367 χ^2/NDF: 70.9/78

- sign 278.537+/-1026.681 χ^2/NDF: 30.9/39

asym_usr_atr2_avg_eigen_cor_correction_rms vs Slug



Right In: 4817.480+/-1.307 χ^2/NDF: 795233.3/15

Left Out: 5111.712+/-0.864 χ^2/NDF:1158986.6/22

Right Out: 4613.851+/-1.248 χ^2/NDF: 977958.2/18

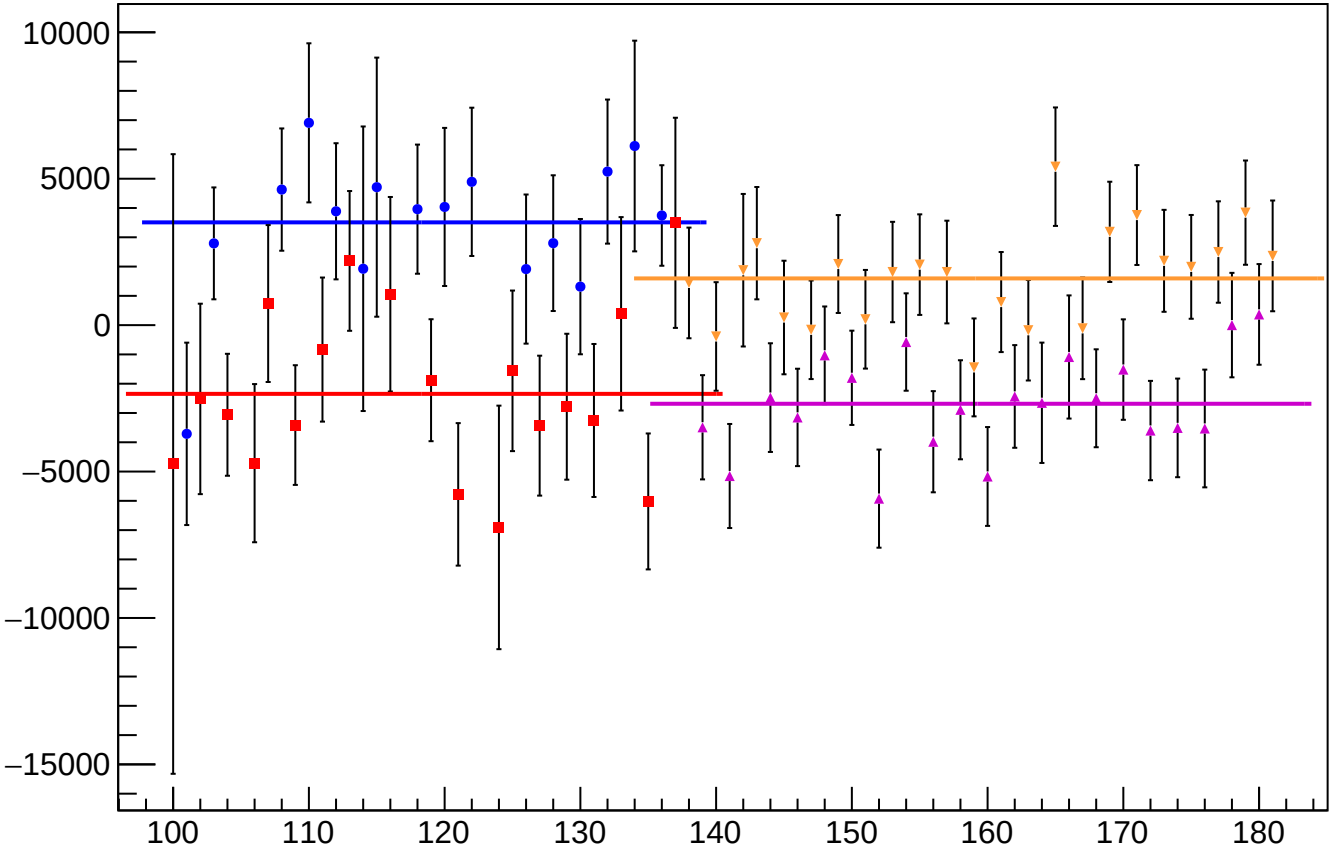
Left In: 5127.583+/-0.892 χ^2/NDF:1243393.6/20

+ sign 5022.221+/-0.721 χ^2/NDF: 1989486.9/38

All: 4988.271+/-0.511 χ^2/NDF: 4327391.5/78

- sign 4953.831+/-0.726 χ^2/NDF: 2333435.6/39

dit_asym_usr_atr2_avg_mean vs Slug



Right In: 3509.507+/-616.724 χ^2/NDF: 10.4/15

Left Out: 1595.507+/-372.585 χ^2/NDF:17.8/22

Right Out: -2346.859+/-607.502 χ^2/NDF: 17.1/18

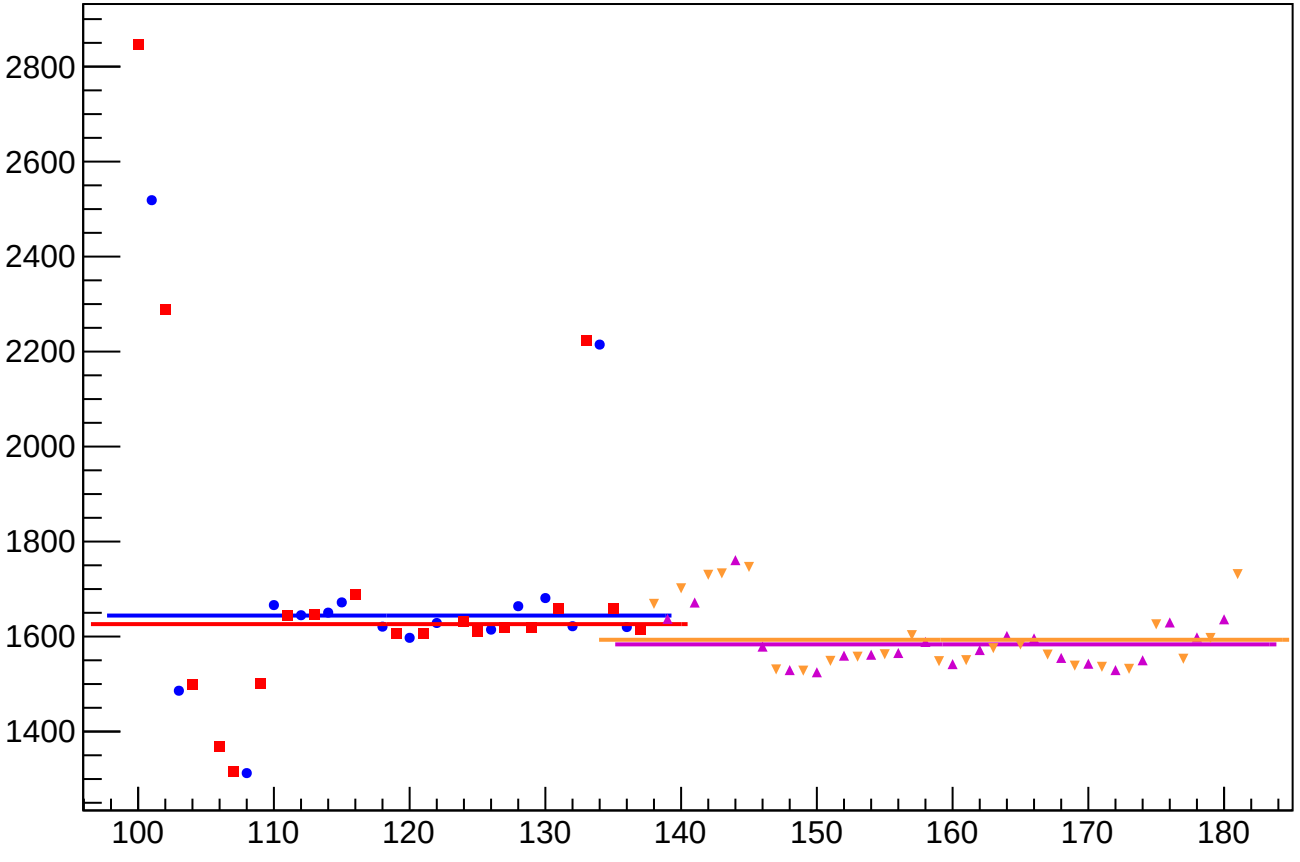
Left In: -2685.052+/-381.524 χ^2/NDF:18.8/20

+ sign 2107.288+/-318.906 χ^2/NDF: 35.2/38

All: -210.425+/-226.966 χ^2/NDF: 178.4/78

- sign -2589.394+/-323.092 χ^2/NDF: 36.1/39

dit_asym_usr_atr2_avg_rms vs Slug



Right In: 1644.198+/-0.436 χ^2/NDF: 274817.9/15

Left Out: 1593.224+/-0.263 χ^2/NDF:70196.6/22

Right Out: 1626.174+/-0.429 χ^2/NDF: 237639.1/18

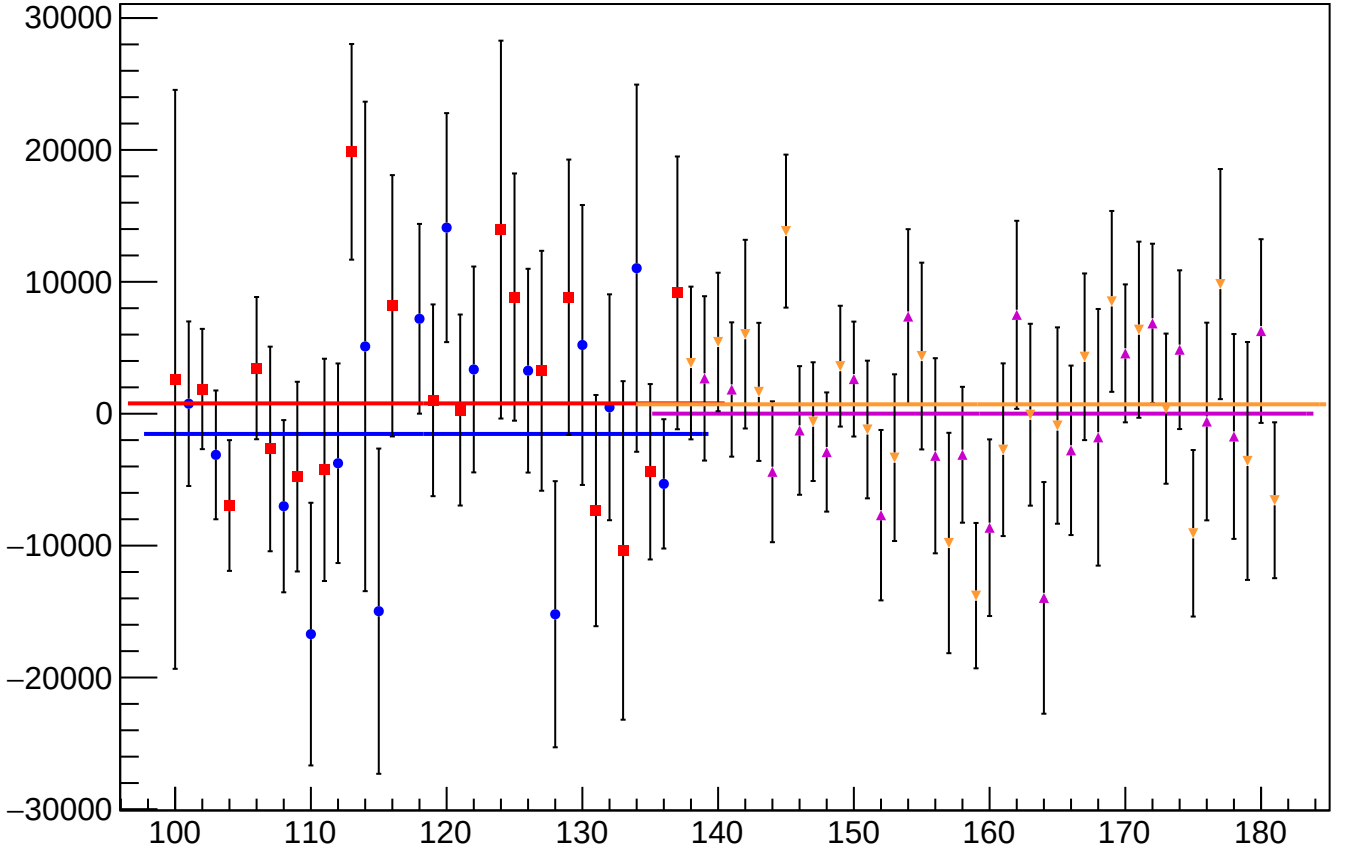
Left In: 1583.512+/-0.270 χ^2/NDF:39911.5/20

+ sign 1606.854+/-0.226 χ^2/NDF: 355024.3/38

All: 1601.296+/-0.160 χ^2/NDF: 640888.1/78

- sign 1595.594+/-0.228 χ^2/NDF: 284633.1/39

asym_usr_atr2_avg_dit_correction_mean vs Slug



Right In: -1532.110+/-1913.799 χ^2/NDF: 13.9/15

Left Out: 714.065+/-1270.961 χ^2/NDF:24.5/22

Right Out: 784.235+/-1748.566 χ^2/NDF: 15.0/18

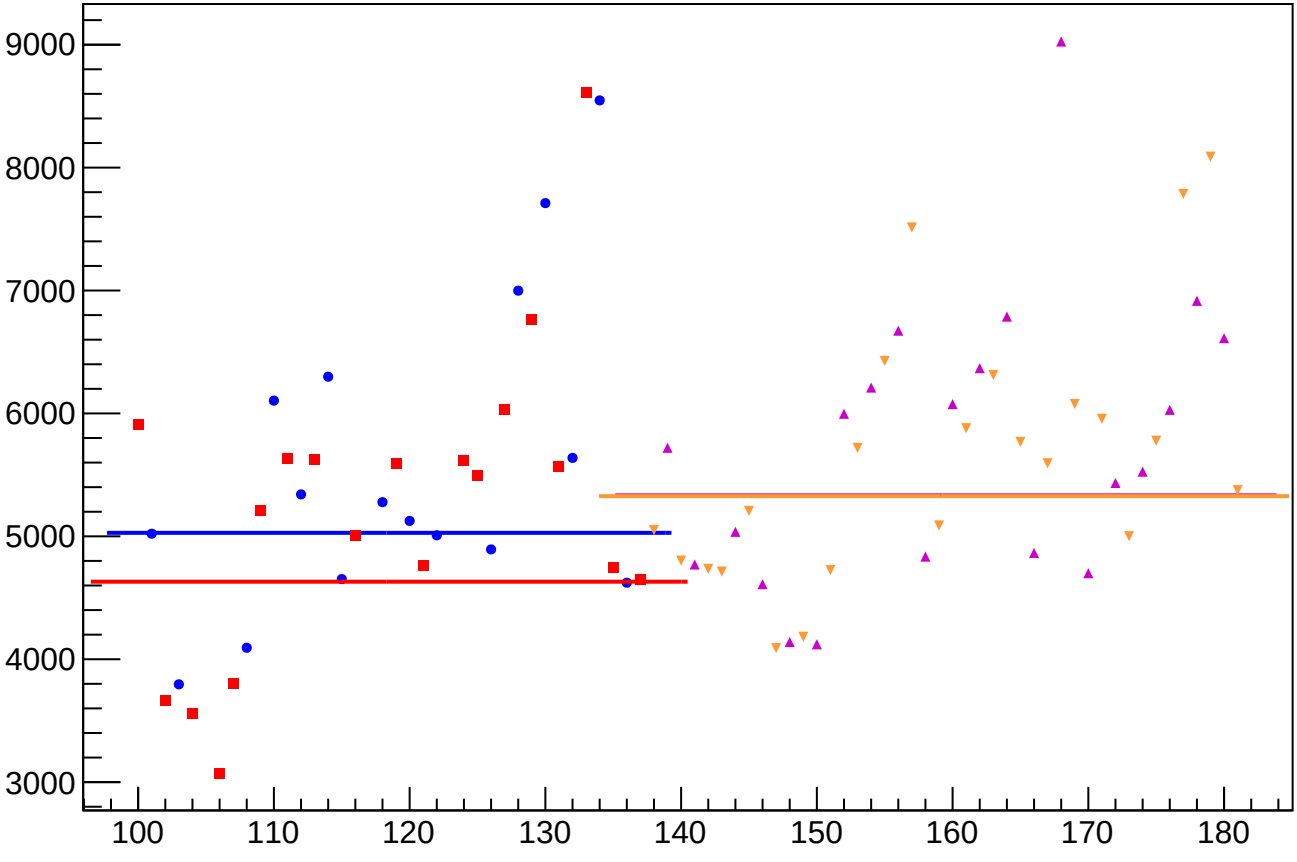
Left In: 6.204+/-1310.619 χ^2/NDF:14.1/20

\+ sign 26.615+/-1058.754 χ^2/NDF: 39.4/38

All: 157.579+/-745.082 χ^2/NDF: 68.7/78

\- sign 286.075+/-1048.727 χ^2/NDF: 29.3/39

asym_usr_atr2_avg_dit_correction_rms vs Slug



Right In: 5028.449+/-1.353 χ^2/NDF: 565469.4/15

Left Out: 5327.026+/-0.899 χ^2/NDF:1036411.8/22

Right Out: 4630.901+/-1.236 χ^2/NDF: 863515.0/18

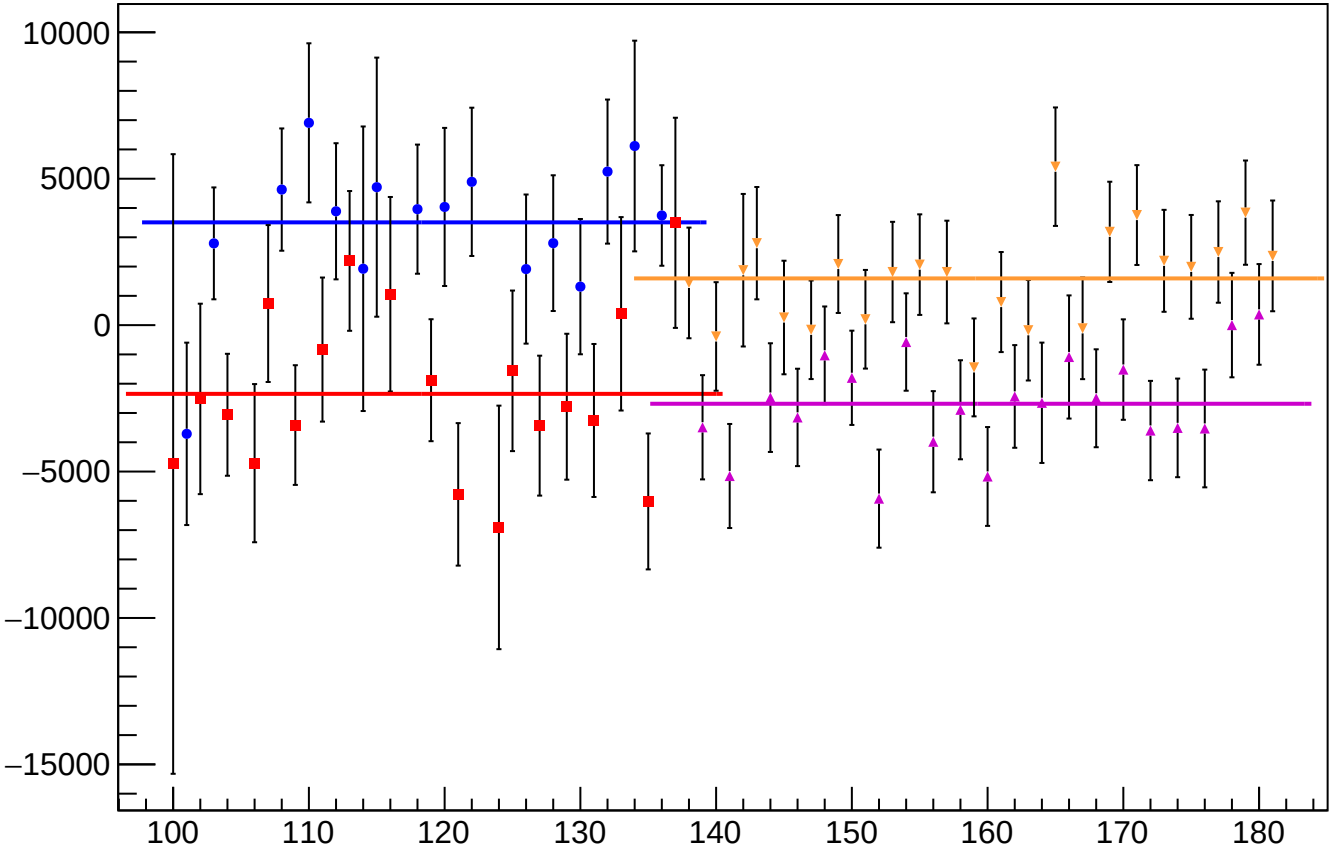
Left In: 5333.671+/-0.927 χ^2/NDF:1136972.7/20

+ sign 5235.645+/-0.749 χ^2/NDF: 1635662.4/38

All: 5157.523+/-0.527 χ^2/NDF: 3864577.1/78

- sign 5080.873+/-0.742 χ^2/NDF: 2207341.7/39

eigen_dit_asym_usr_atr2_avg_mean vs Slug



Right In: 3509.509+/-616.724 χ^2/NDF: 10.4/15

Left Out: 1595.500+/-372.585 χ^2/NDF:17.8/22

Right Out: -2346.865+/-607.502 χ^2/NDF: 17.1/18

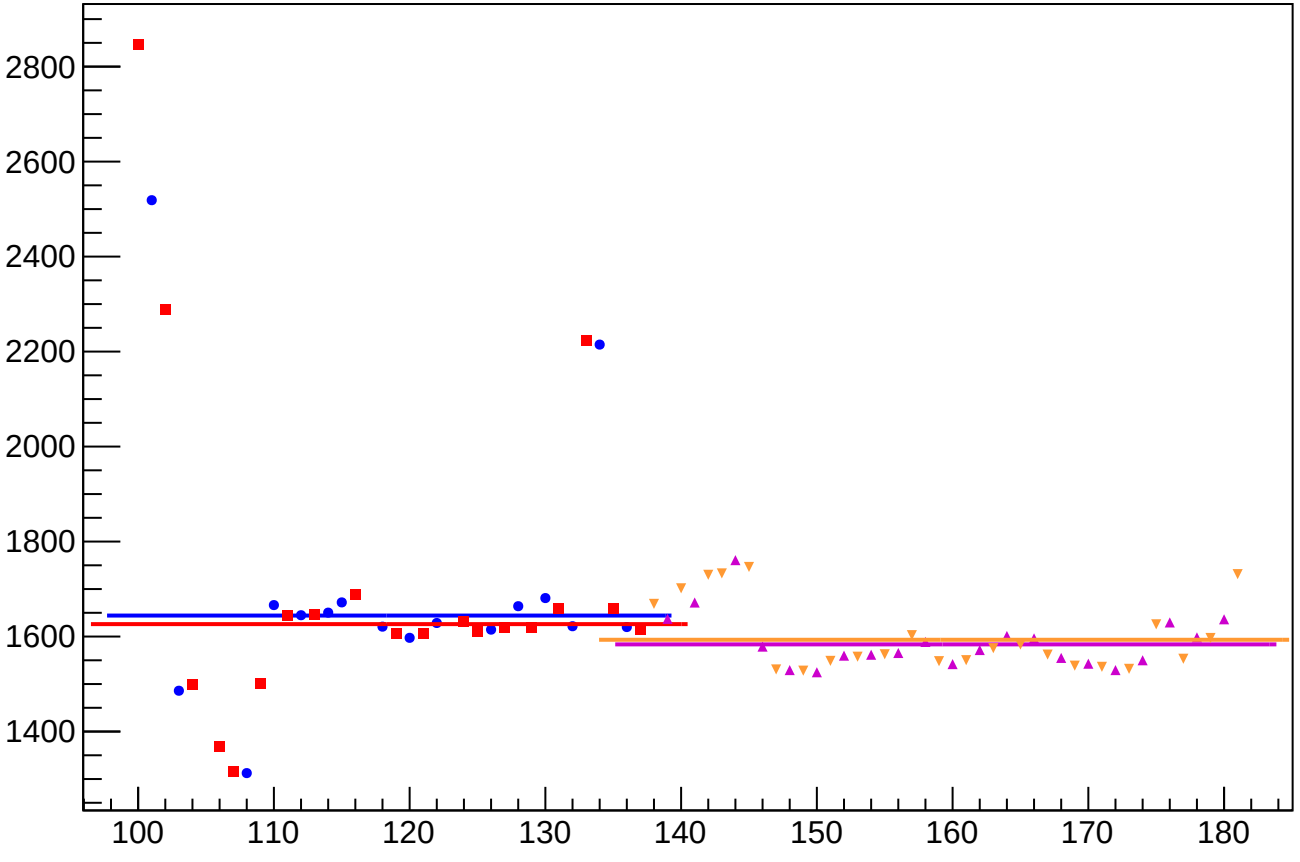
Left In: -2685.053+/-381.524 χ^2/NDF:18.8/20

+ sign 2107.284+/-318.906 χ^2/NDF: 35.2/38

All: -210.428+/-226.966 χ^2/NDF: 178.4/78

- sign -2589.396+/-323.092 χ^2/NDF: 36.1/39

eigen_dit_asym_usr_atr2_avg_rms vs Slug



Right In: 1644.198+/-0.436 χ^2/NDF: 274818.1/15

Left Out: 1593.225+/-0.263 χ^2/NDF:70196.5/22

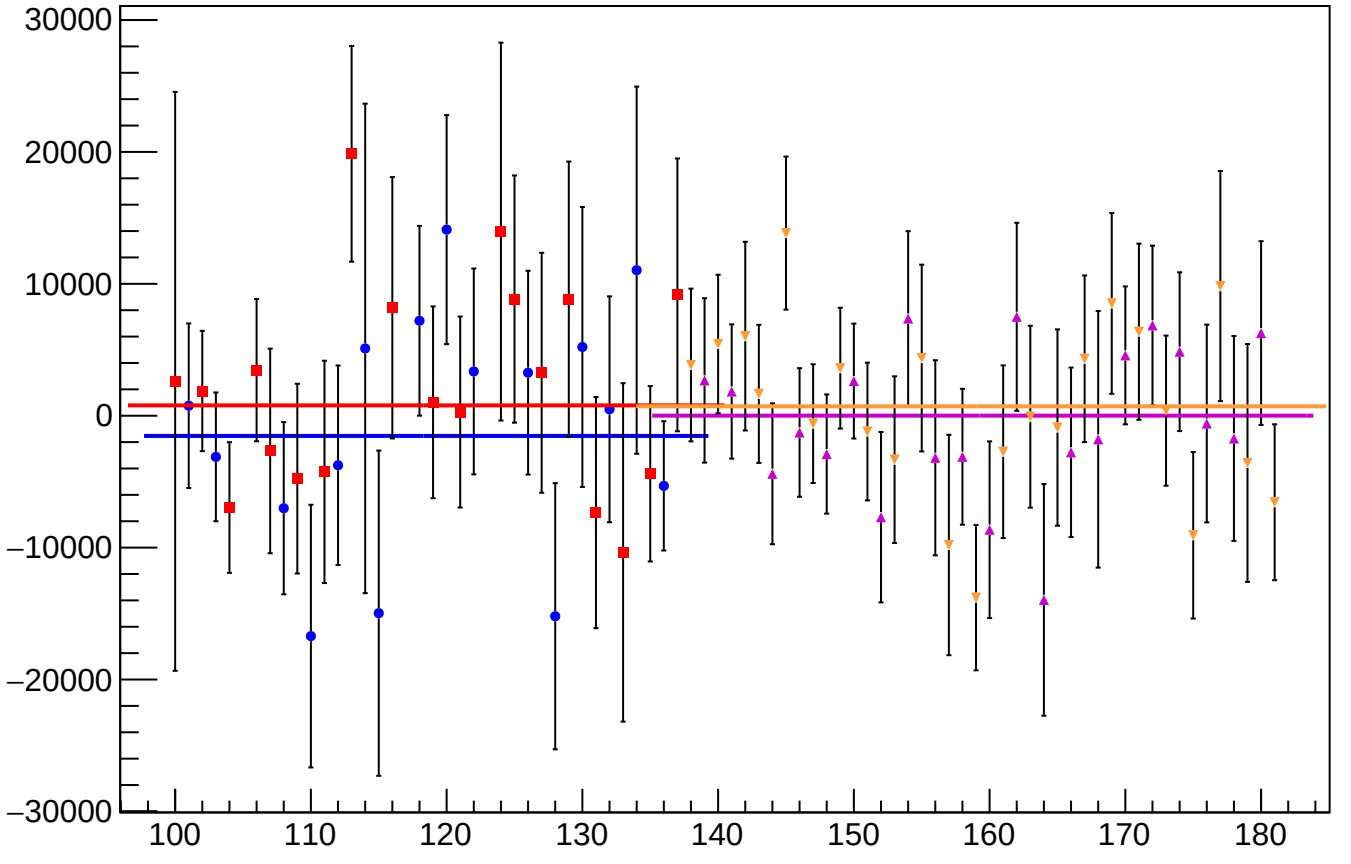
Right Out: 1626.174+/-0.429 χ^2/NDF: 237638.8/18

Left In: 1583.513+/-0.270 χ^2/NDF:39911.3/20

+ sign 1606.854+/-0.226 χ^2/NDF: 355023.8/38

All: 1601.297+/-0.160 χ^2/NDF: 640886.6/78

- sign 1595.595+/-0.228 χ^2/NDF: 284632.1/39



Right In: -1532.095+/-1913.796 χ^2/NDF: 13.9/15

Left Out: 714.062+/-1270.964 χ^2/NDF:24.5/22

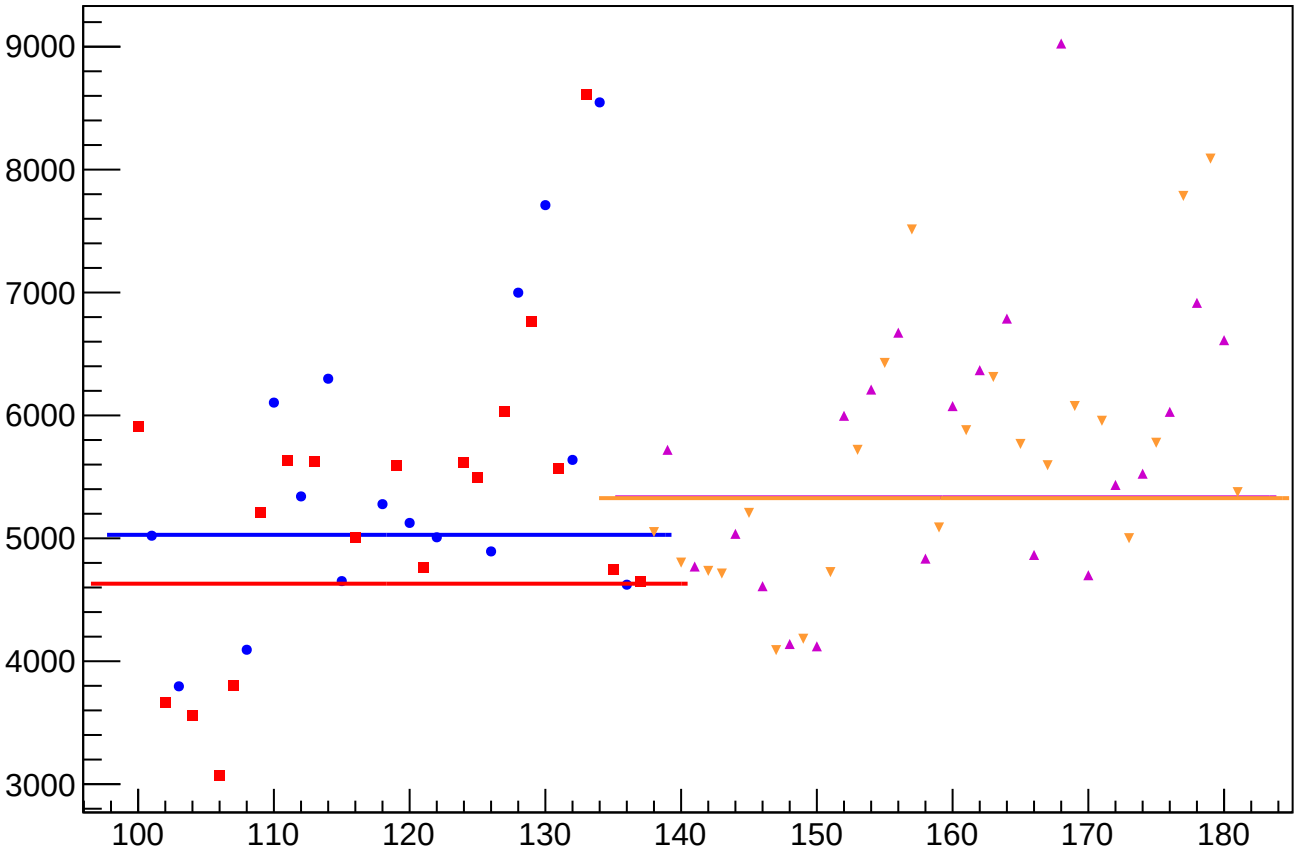
Right Out: 784.236+/-1748.563 χ^2/NDF: 15.0/18

Left In: 6.205+/-1310.621 χ^2/NDF:14.1/20

\+ sign 26.614+/-1058.755 χ^2/NDF: 39.4/38

All: 157.580+/-745.082 χ^2/NDF: 68.7/78

\- sign 286.077+/-1048.727 χ^2/NDF: 29.3/39



Right In: 5028.443+/-1.353 χ^2/NDF: 565463.1/15

Left Out: 5327.035+/-0.899 χ^2/NDF:1036414.0/22

Right Out: 4630.895+/-1.236 χ^2/NDF: 863509.0/18

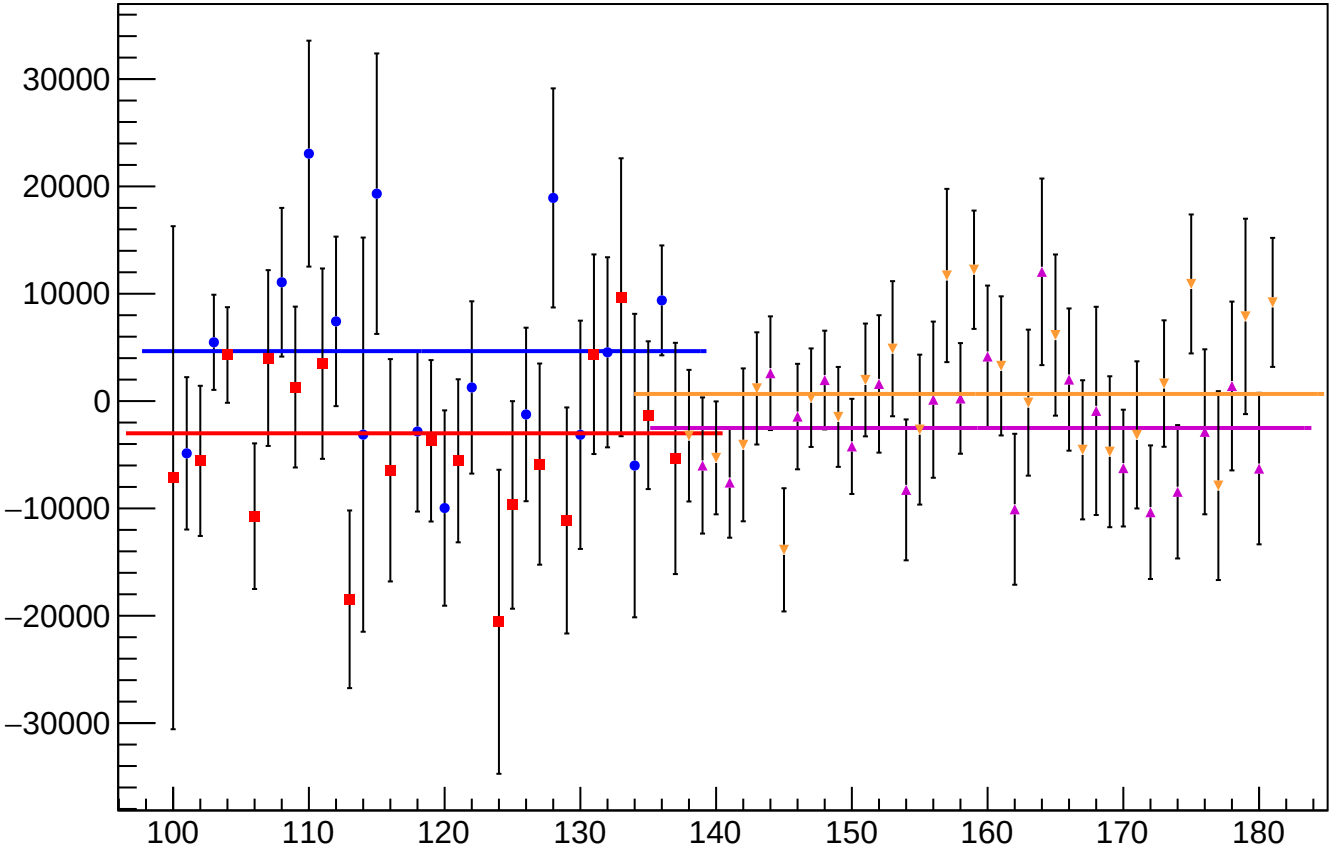
Left In: 5333.680+/-0.927 χ^2/NDF:1136976.4/20

+ sign 5235.649+/-0.749 χ^2/NDF: 1635661.9/38

All: 5157.526+/-0.527 χ^2/NDF: 3864584.1/78

- sign 5080.875+/-0.742 χ^2/NDF: 2207348.7/39

asym_usr_atr2_avg_mean vs Slug



Right In: 4653.137+/-1958.496 χ^2/NDF: 15.5/15

Left Out: 664.926+/-1283.411 χ^2/NDF:24.1/22

Right Out: -3000.980+/-1882.821 χ^2/NDF: 13.9/18

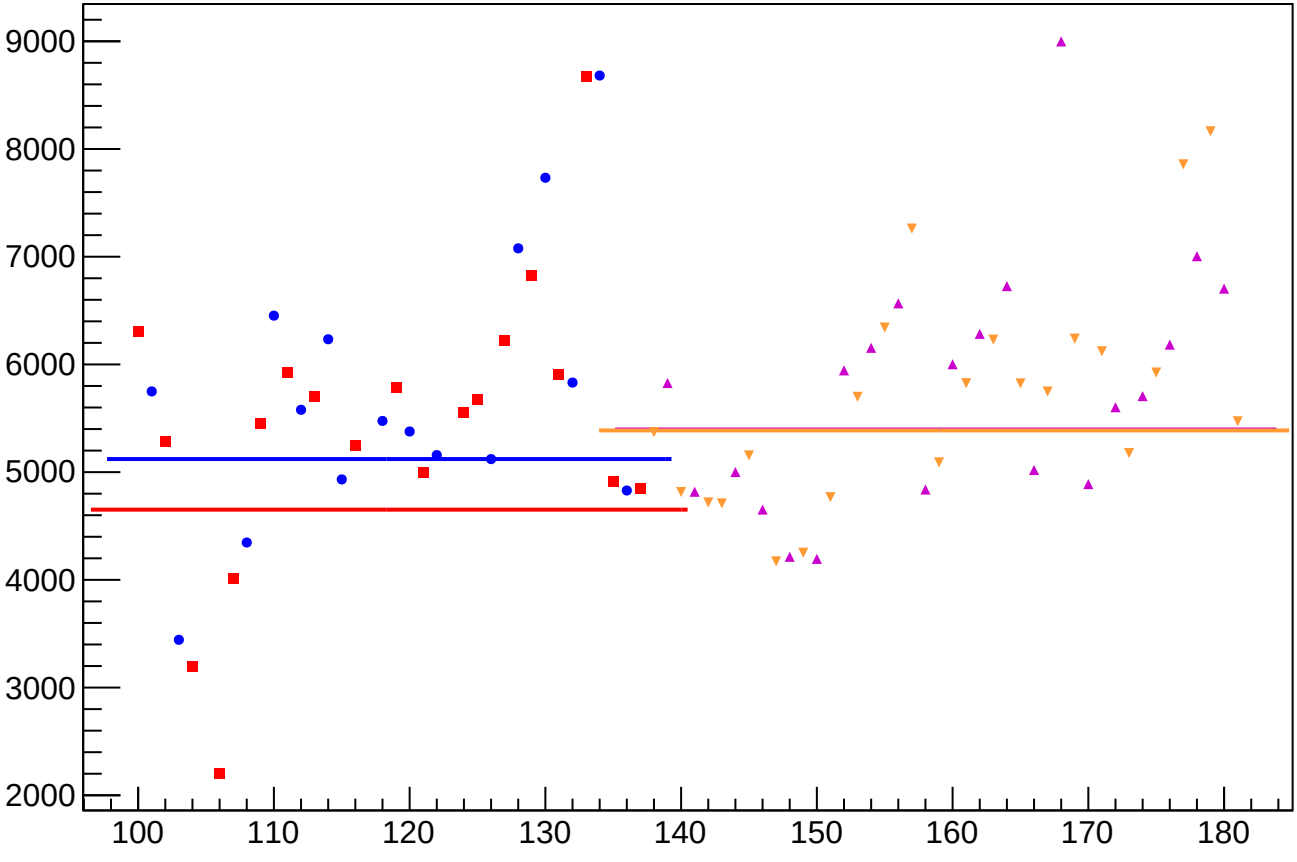
Left In: -2505.998+/-1323.875 χ^2/NDF:13.9/20

+ sign 1863.055+/-1073.459 χ^2/NDF: 42.6/38

All: -383.370+/-762.388 χ^2/NDF: 79.2/78

- sign -2669.755+/-1082.964 χ^2/NDF: 27.8/39

asym_usr_atr2_avg_rms vs Slug



Right In: 5121.644+/-1.385 χ^2/NDF: 720370.1/15

Left Out: 5387.464+/-0.908 χ^2/NDF:987018.3/22

Right Out: 4651.727+/-1.280 χ^2/NDF: 1344868.0/18

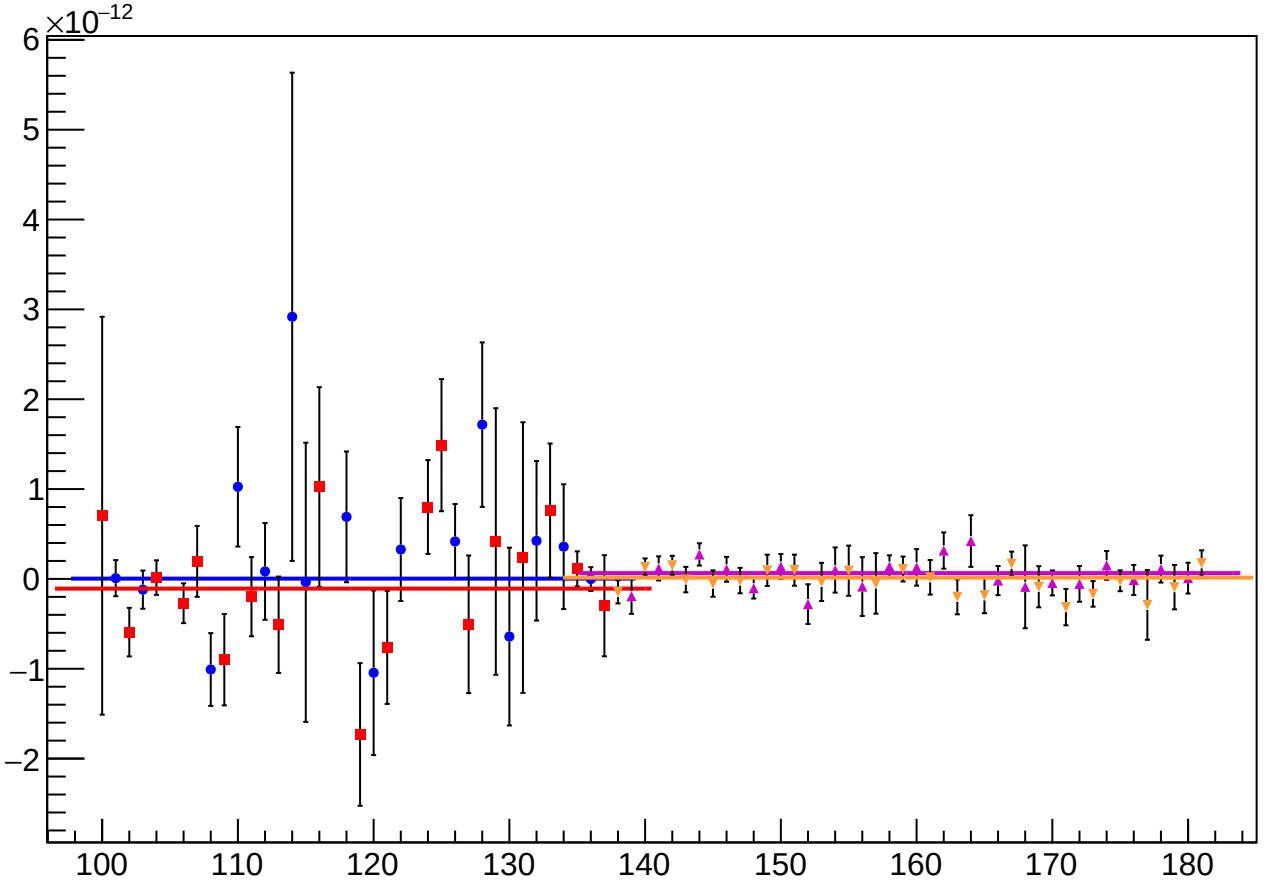
Left In: 5396.248+/-0.936 χ^2/NDF:1062745.9/20

+ sign 5307.607+/-0.759 χ^2/NDF: 1733163.5/38

All: 5221.870+/-0.536 χ^2/NDF: 4386528.2/78

- sign 5136.892+/-0.756 χ^2/NDF: 2627960.9/39

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:16.1/22

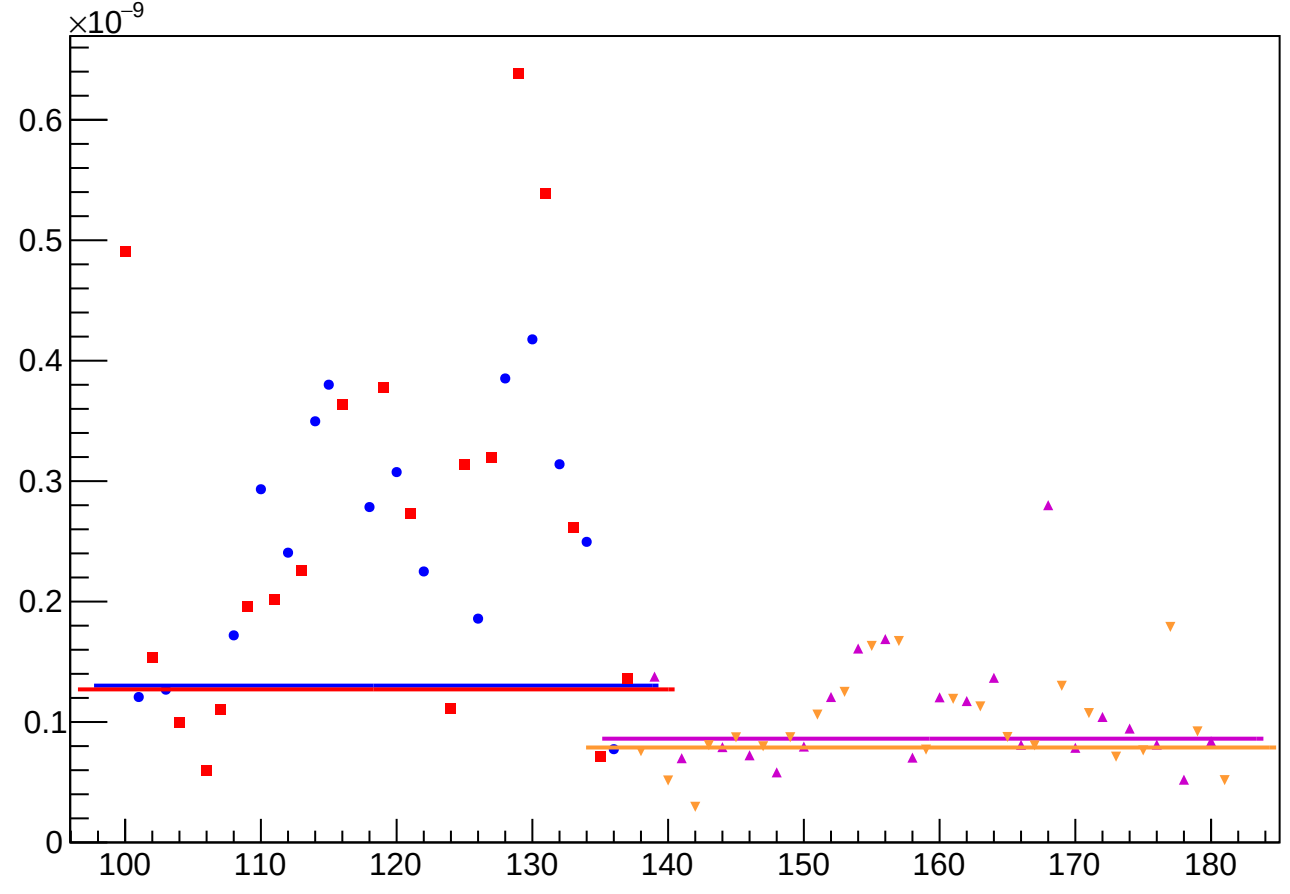
Right Out: -0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: 0.000+/-0.000 χ^2/NDF:15.4/20

+ sign 0.000+/-0.000 χ^2/NDF: 34.2/38

All: 0.000+/-0.000 χ^2/NDF: 78.3/78

- sign 0.000+/-0.000 χ^2/NDF: 43.8/39



Right In: 0.000+/-0.000 χ^2/NDF: 1329229.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1580131.3/22

Right Out: 0.000+/-0.000 χ^2/NDF: 1734331.2/18

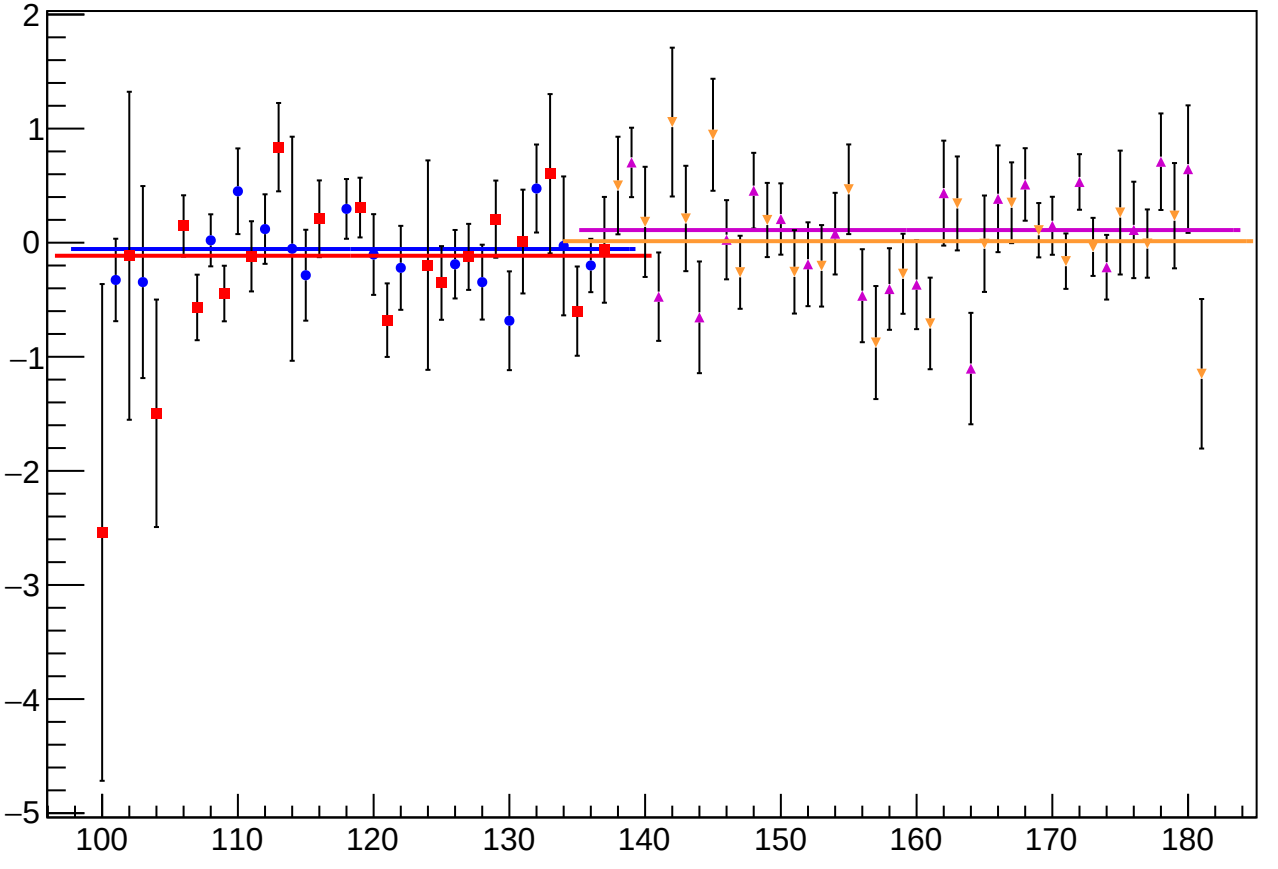
Left In: 0.000+/-0.000 χ^2/NDF:1355832.6/20

+ sign 0.000+/-0.000 χ^2/NDF: 3526647.2/38

All: 0.000+/-0.000 χ^2/NDF: 7018695.0/78

- sign 0.000+/-0.000 χ^2/NDF: 3449346.8/39

asym_usr_atr2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.055+/-0.085 χ^2/NDF: 10.7/15

Left Out: 0.013+/-0.076 χ^2/NDF:24.1/22

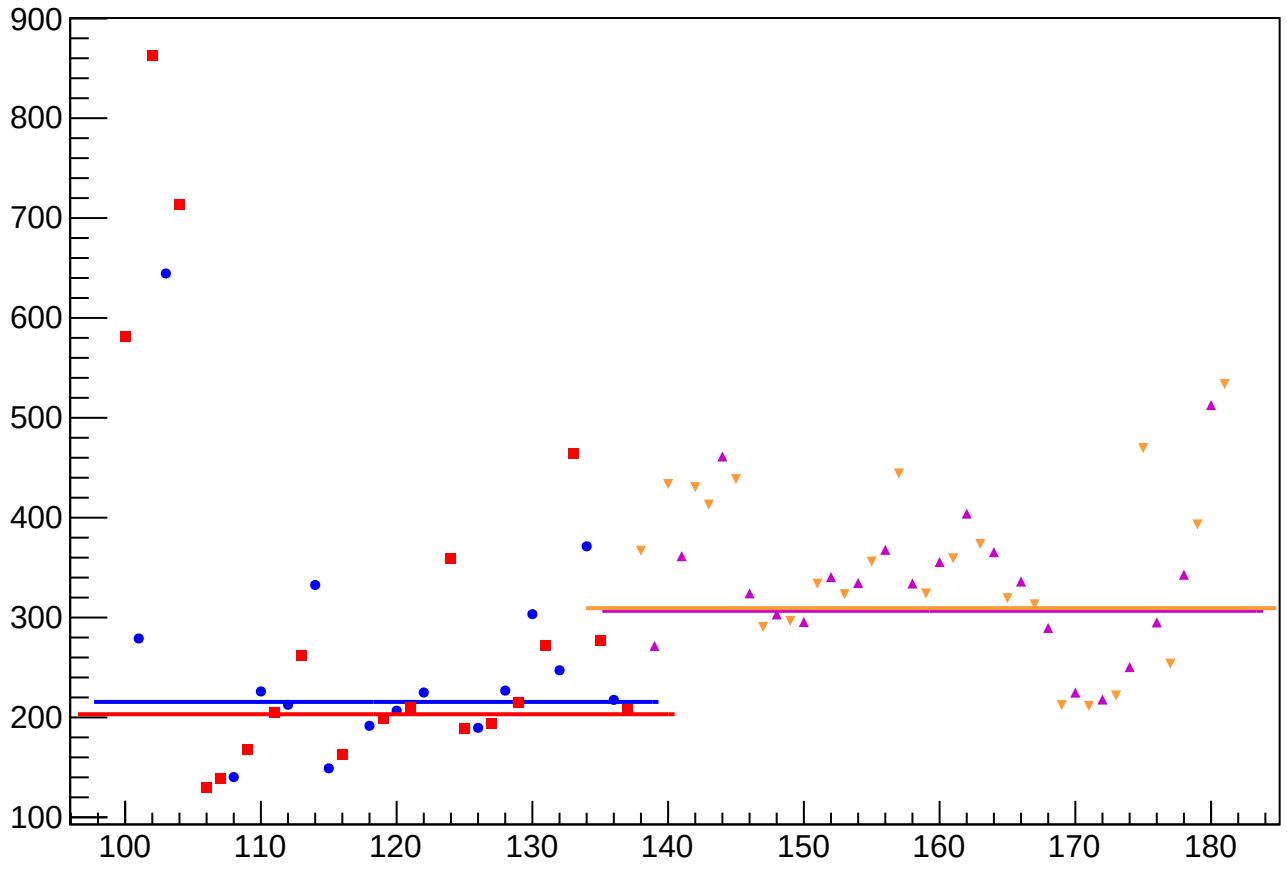
Right Out: -0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: 0.111+/-0.077 χ^2/NDF:31.9/20

+ sign -0.017+/-0.057 χ^2/NDF: 35.1/38

All: -0.005+/-0.040 χ^2/NDF: 96.2/78

- sign 0.006+/-0.057 χ^2/NDF: 61.0/39



Right In: 215.519+/-0.060 χ^2/NDF: 1148727.3/15

Left Out: 309.421+/-0.054 χ^2/NDF:2197612.7/22

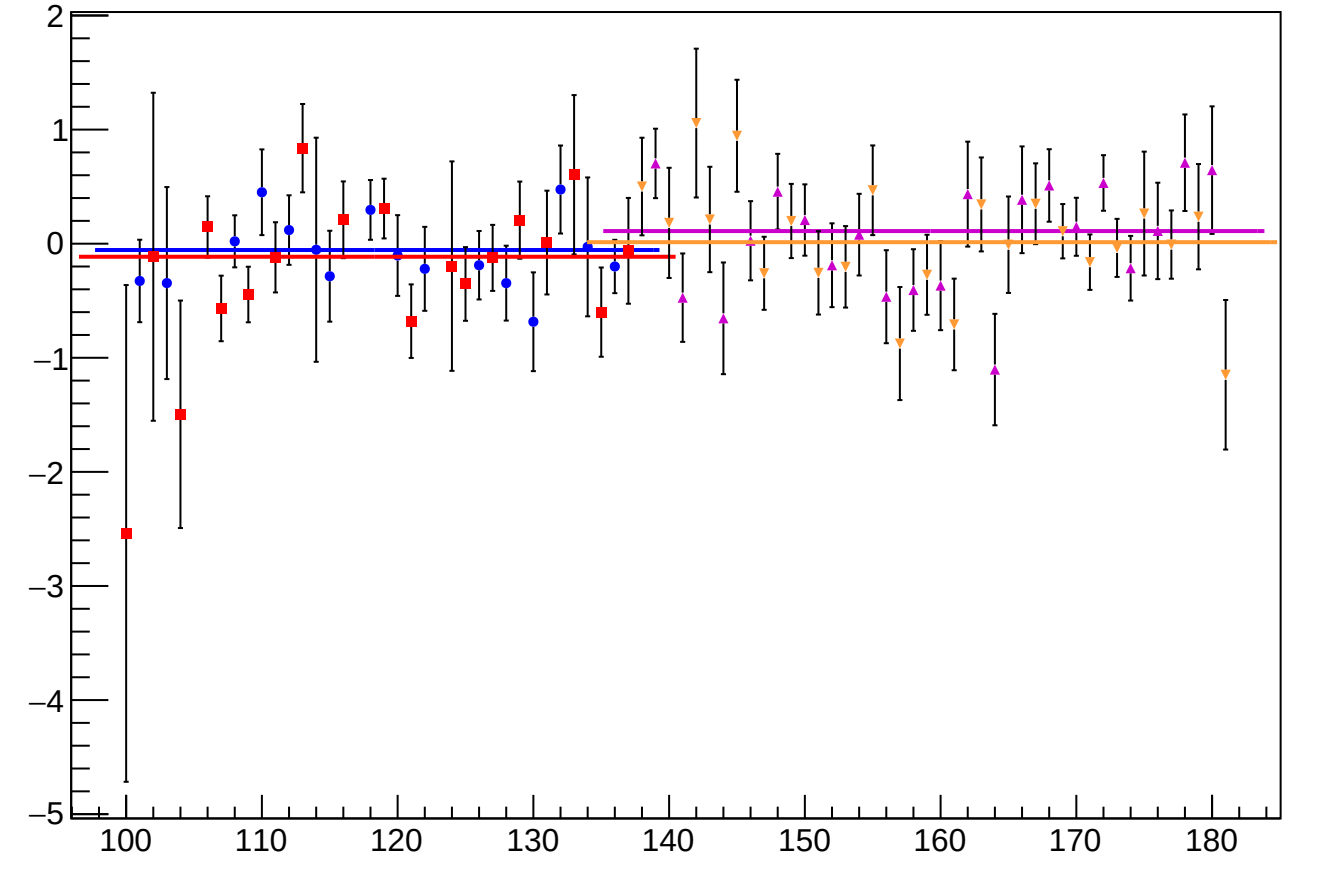
Right Out: 203.207+/-0.059 χ^2/NDF: 1835552.6/18

Left In: 306.761+/-0.055 χ^2/NDF:1363143.1/20

+ sign 267.735+/-0.040 χ^2/NDF: 4688748.8/38

All: 263.246+/-0.028 χ^2/NDF: 9575034.3/78

- sign 258.807+/-0.040 χ^2/NDF: 4861570.1/39



Right In: -0.055+/-0.085 χ^2/NDF: 10.7/15

Left Out: 0.013+/-0.076 χ^2/NDF:24.1/22

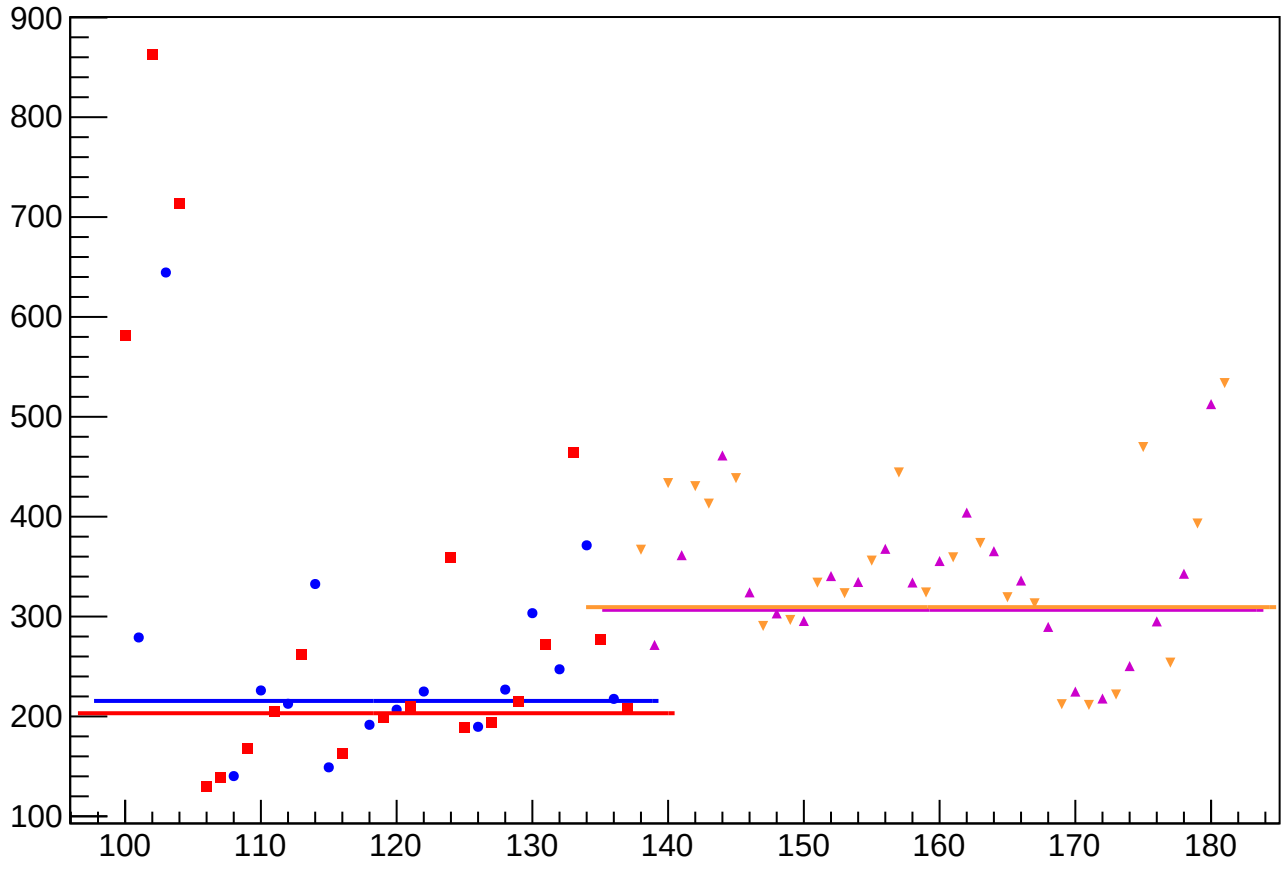
Right Out: -0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: 0.111+/-0.077 χ^2/NDF:31.9/20

+ sign -0.017+/-0.057 χ^2/NDF: 35.1/38

All: -0.005+/-0.040 χ^2/NDF: 96.2/78

- sign 0.006+/-0.057 χ^2/NDF: 61.0/39



Right In: 215.519+/-0.060 χ^2/NDF: 1148727.3/15

Left Out: 309.421+/-0.054 χ^2/NDF:2197612.7/22

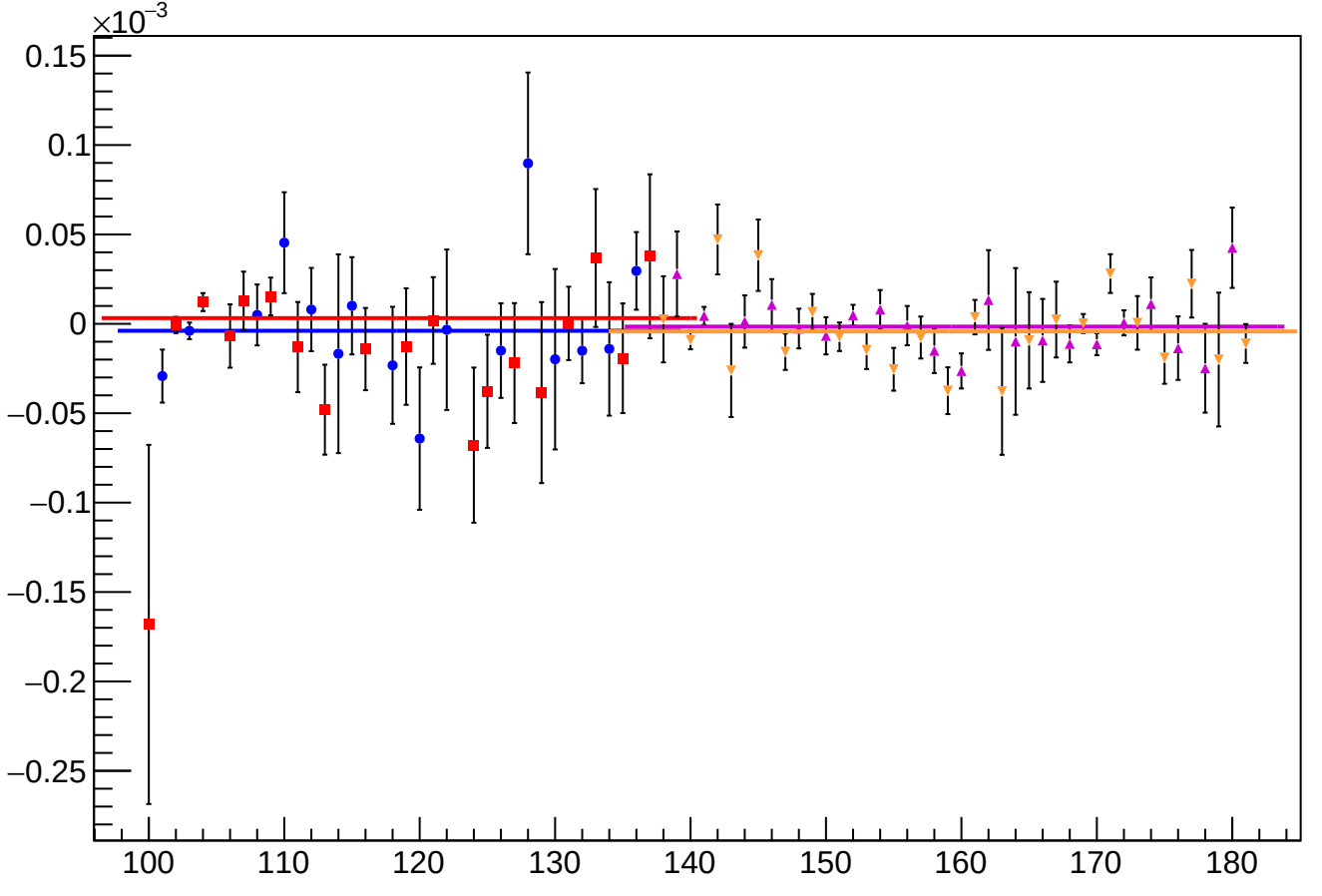
Right Out: 203.207+/-0.059 χ^2/NDF: 1835552.6/18

Left In: 306.761+/-0.055 χ^2/NDF:1363143.1/20

+ sign 267.735+/-0.040 χ^2/NDF: 4688748.8/38

All: 263.246+/-0.028 χ^2/NDF: 9575034.3/78

- sign 258.807+/-0.040 χ^2/NDF: 4861570.1/39



Right In: -0.000+/-0.000 χ^2/NDF: 16.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:41.2/22

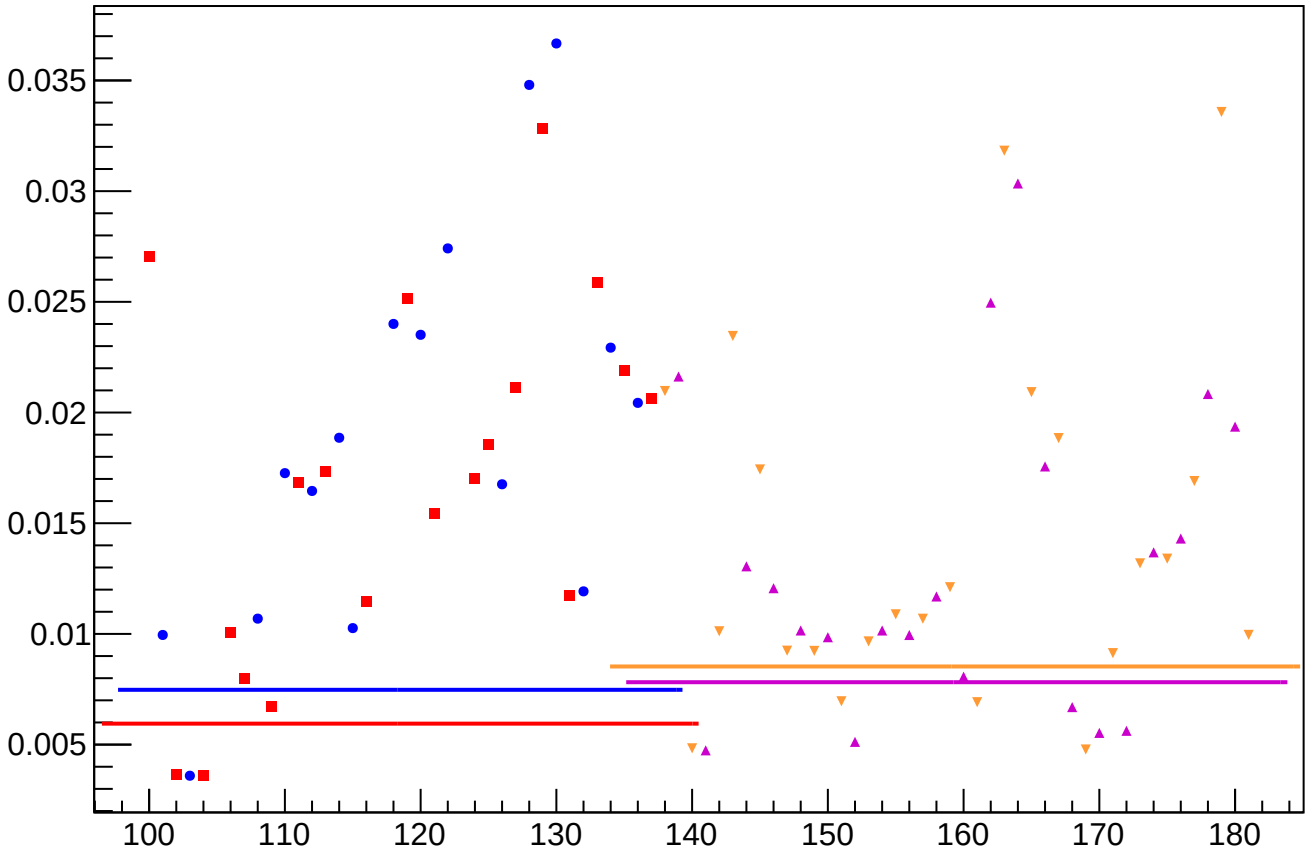
Right Out: 0.000+/-0.000 χ^2/NDF: 21.6/18

Left In: -0.000+/-0.000 χ^2/NDF:23.4/20

+ sign -0.000+/-0.000 χ^2/NDF: 57.1/38

All: -0.000+/-0.000 χ^2/NDF: 106.6/78

- sign 0.000+/-0.000 χ^2/NDF: 46.7/39



Right In: 0.007+/-0.000 χ^2/NDF: 6076199.5/15

Left Out: 0.009+/-0.000 χ^2/NDF:7550884.2/22

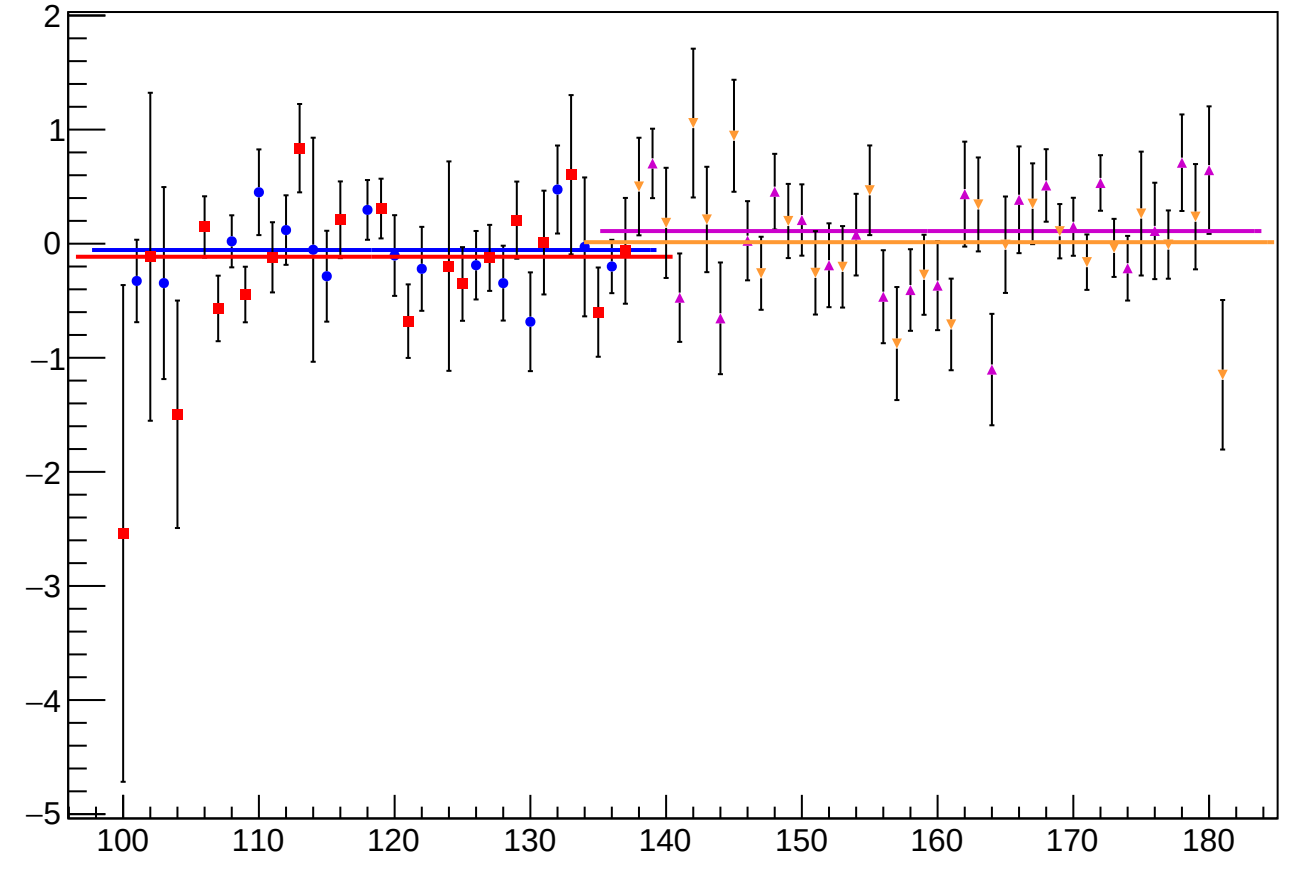
Right Out: 0.006+/-0.000 χ^2/NDF: 5934015.2/18

Left In: 0.008+/-0.000 χ^2/NDF:6669111.5/20

+ sign 0.008+/-0.000 χ^2/NDF: 13740006.4/38

All: 0.008+/-0.000 χ^2/NDF: 27227777.0/78

- sign 0.007+/-0.000 χ^2/NDF: 13128608.2/39



Right In: -0.055+/-0.085 χ^2/NDF: 10.7/15

Left Out: 0.013+/-0.076 χ^2/NDF:24.1/22

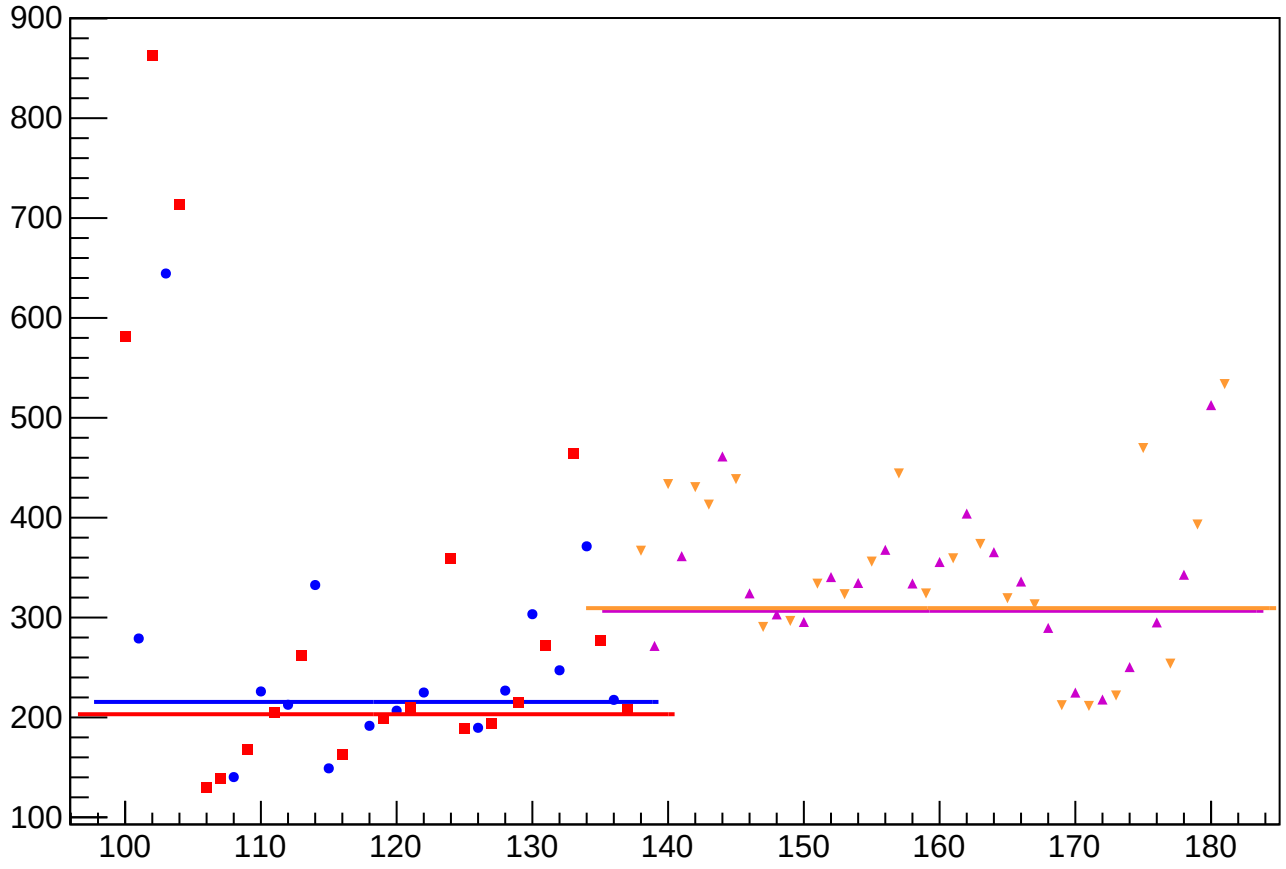
Right Out: -0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: 0.111+/-0.077 χ^2/NDF:31.9/20

+ sign -0.017+/-0.057 χ^2/NDF: 35.1/38

All: -0.005+/-0.040 χ^2/NDF: 96.2/78

- sign 0.006+/-0.057 χ^2/NDF: 61.0/39



Right In: 215.518+/-0.060 χ^2/NDF: 1148700.9/15

Left Out: 309.424+/-0.054 χ^2/NDF:2197687.3/22

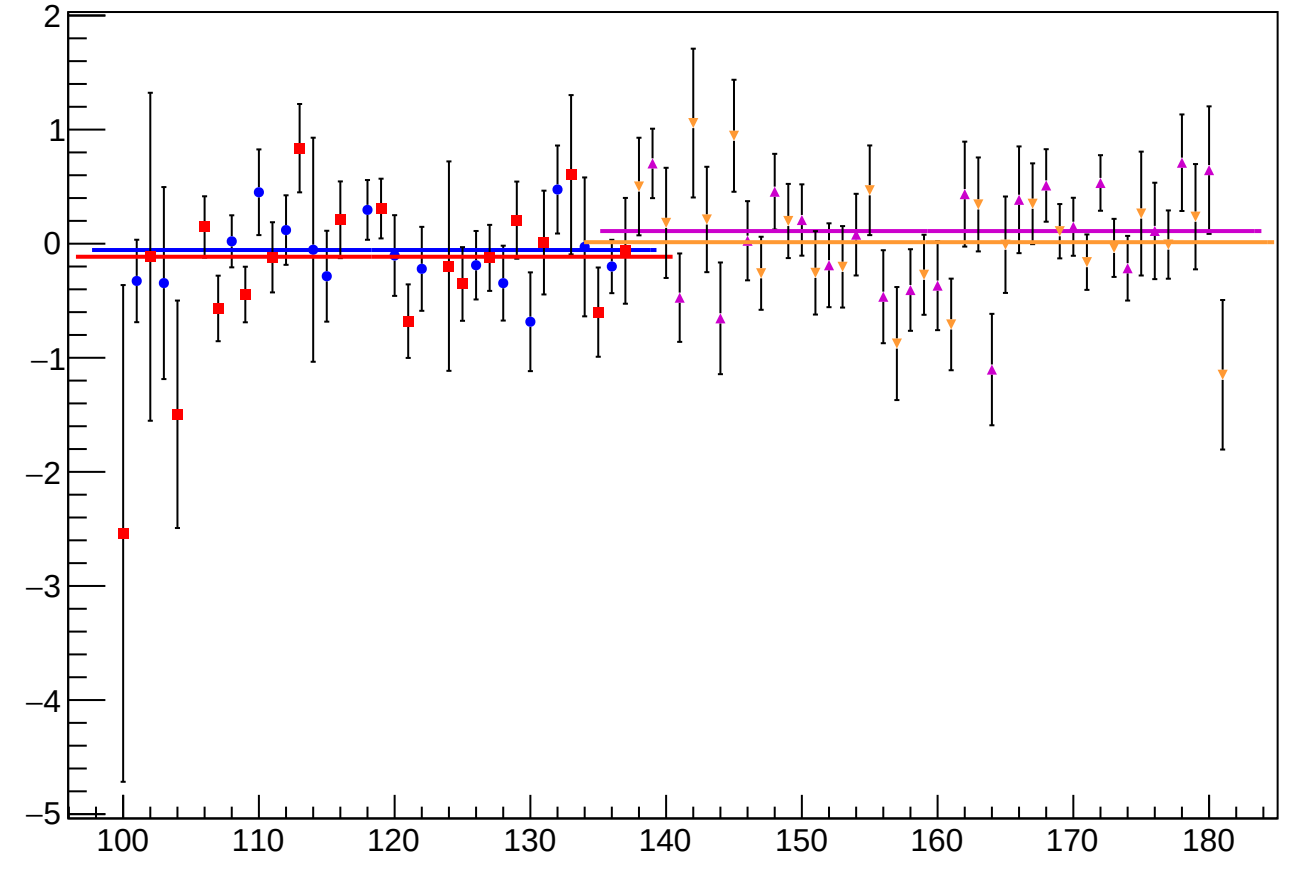
Right Out: 203.205+/-0.059 χ^2/NDF: 1835535.5/18

Left In: 306.765+/-0.055 χ^2/NDF:1363186.3/20

+ sign 267.735+/-0.040 χ^2/NDF: 4688917.4/38

All: 263.246+/-0.028 χ^2/NDF: 9575383.7/78

- sign 258.808+/-0.040 χ^2/NDF: 4861749.7/39



Right In: -0.055+/-0.085 χ^2/NDF: 10.7/15

Left Out: 0.013+/-0.076 χ^2/NDF:24.1/22

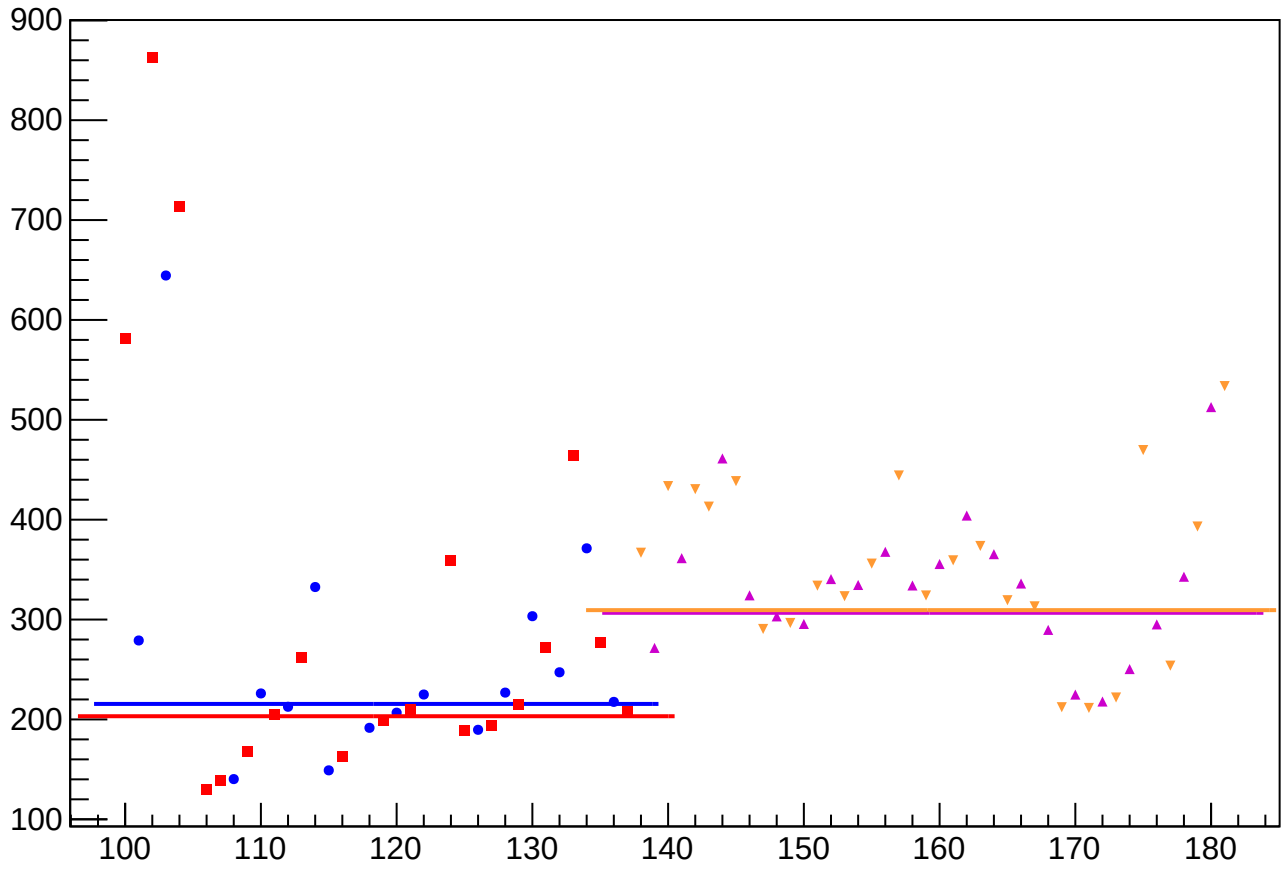
Right Out: -0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: 0.111+/-0.077 χ^2/NDF:31.9/20

+ sign -0.017+/-0.057 χ^2/NDF: 35.1/38

All: -0.005+/-0.040 χ^2/NDF: 96.2/78

- sign 0.006+/-0.057 χ^2/NDF: 61.0/39



Right In: 215.518+/-0.060 χ^2/NDF: 1148700.9/15

Left Out: 309.424+/-0.054 χ^2/NDF:2197687.3/22

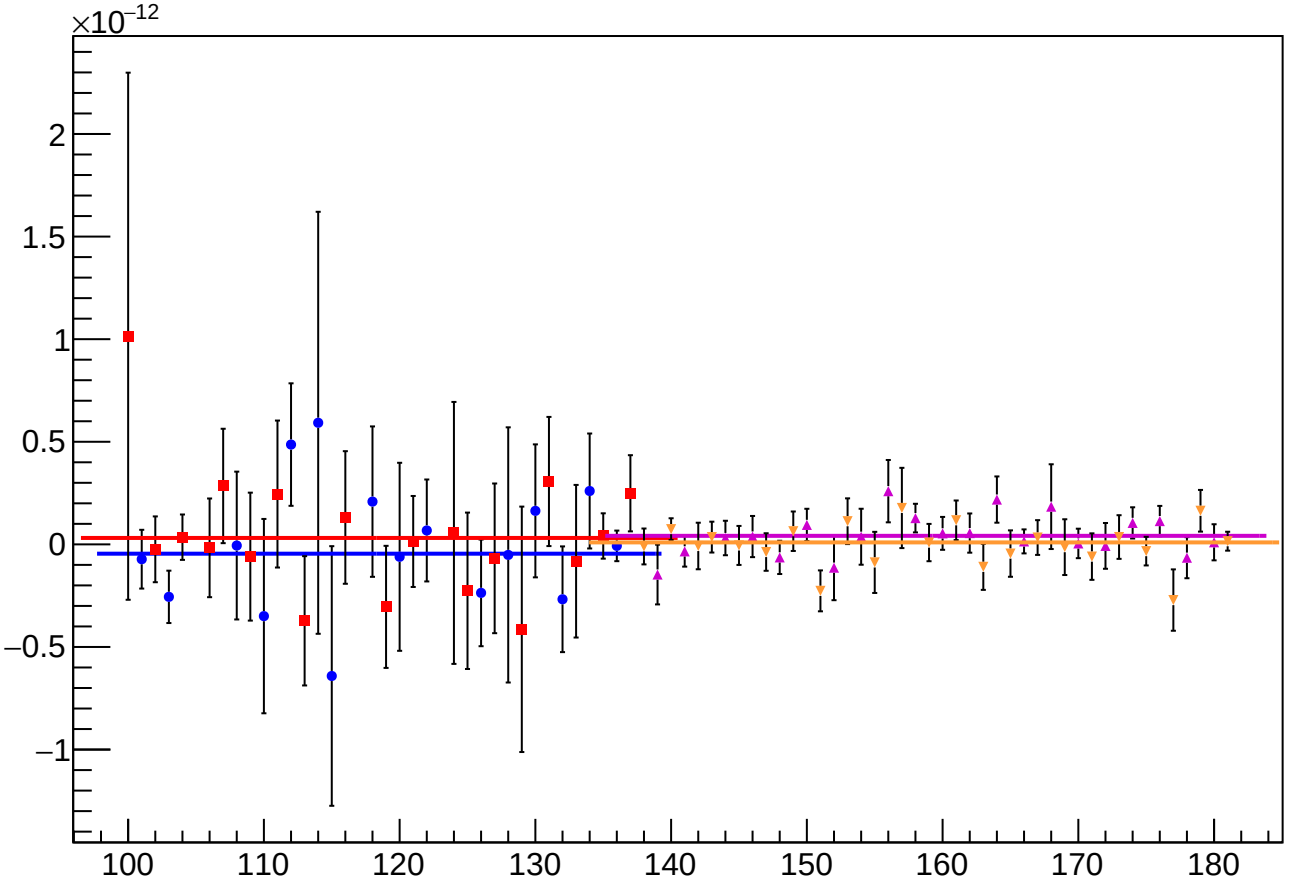
Right Out: 203.205+/-0.059 χ^2/NDF: 1835535.5/18

Left In: 306.765+/-0.055 χ^2/NDF:1363186.3/20

+ sign 267.735+/-0.040 χ^2/NDF: 4688917.4/38

All: 263.246+/-0.028 χ^2/NDF: 9575383.7/78

- sign 258.808+/-0.040 χ^2/NDF: 4861749.7/39



Right In: -0.000+/-0.000 χ^2/NDF: 11.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.3/22

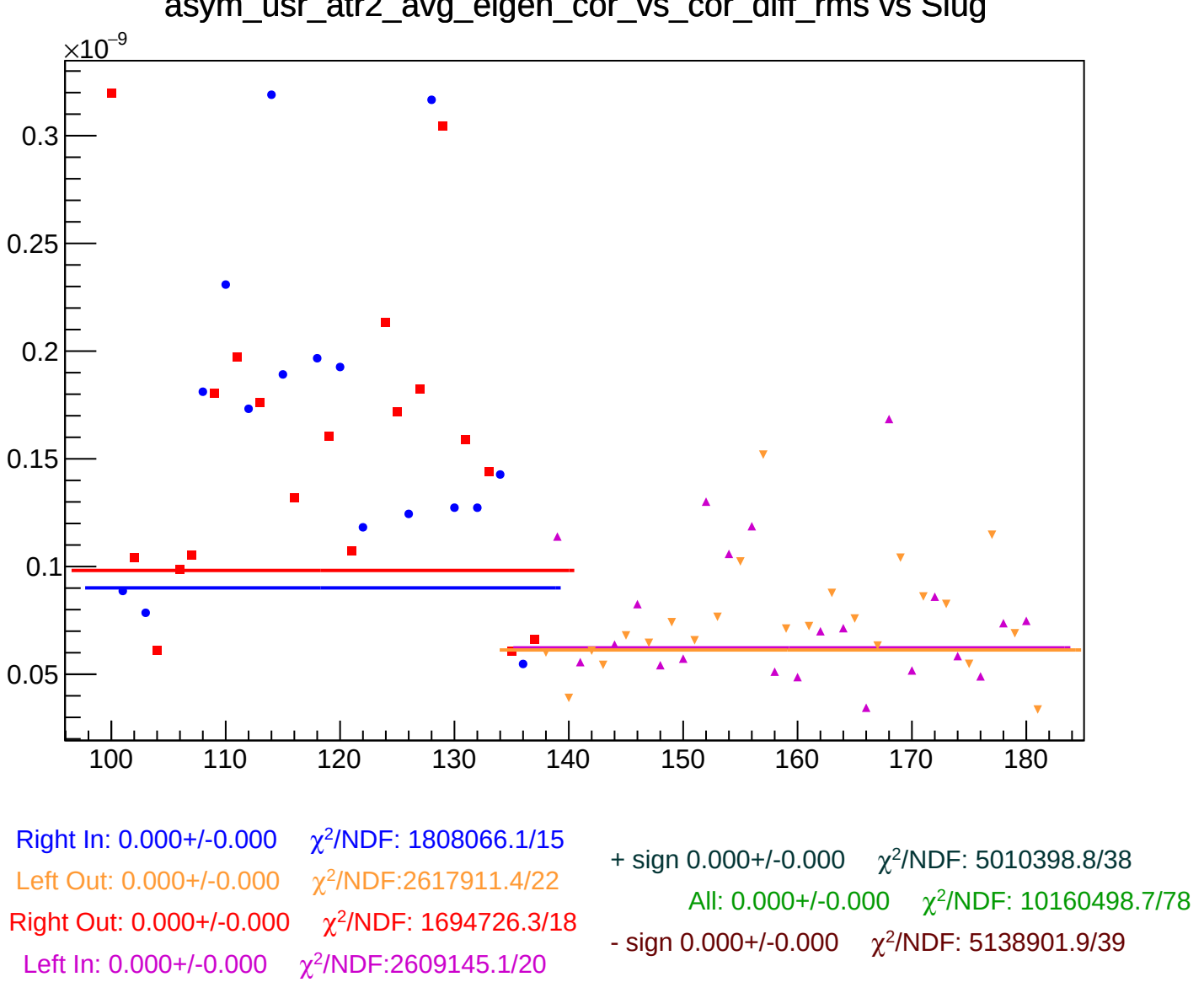
Right Out: 0.000+/-0.000 χ^2/NDF: 8.4/18

Left In: 0.000+/-0.000 χ^2/NDF:16.0/20

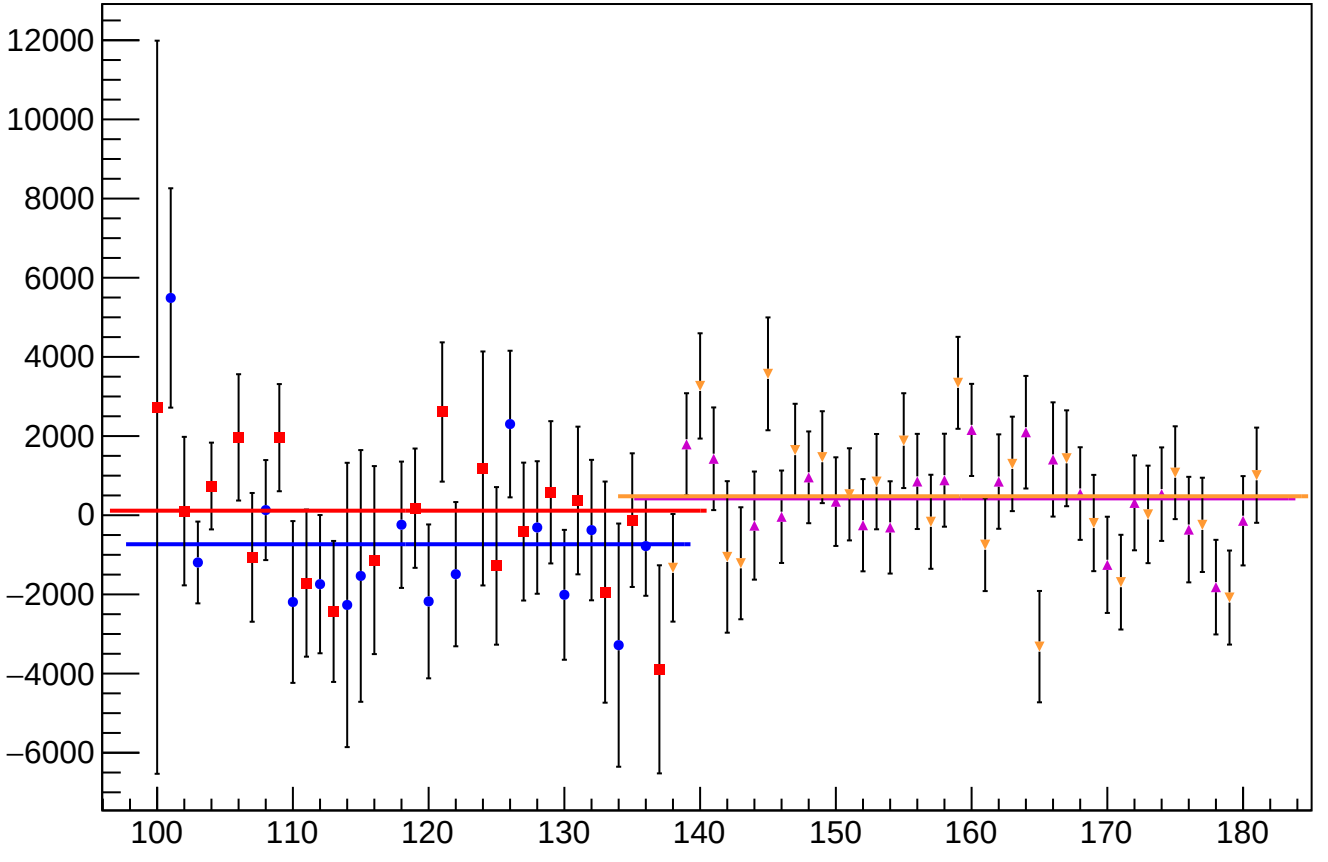
+ sign 0.000+/-0.000 χ^2/NDF: 31.8/38

All: 0.000+/-0.000 χ^2/NDF: 58.4/78

- sign 0.000+/-0.000 χ^2/NDF: 24.4/39


asym_usr_atr2_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
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: 1808066.1/15
Left Out: 0.000+/-0.000 χ²/NDF:2617911.4/22
Right Out: 0.000+/-0.000 χ²/NDF: 1694726.3/18
Left In: 0.000+/-0.000 χ²/NDF:2609145.1/20
+ sign 0.000+/-0.000 χ²/NDF: 5010398.8/38
All: 0.000+/-0.000 χ²/NDF: 10160498.7/78
- sign 0.000+/-0.000 χ²/NDF: 5138901.9/39

reg_asym_usr_atr2_dd_mean vs Slug



Right In: -732.747+/-427.384 χ^2/NDF: 11.7/15

Left Out: 479.270+/-259.055 χ^2/NDF:41.2/22

Right Out: 115.040+/-411.437 χ^2/NDF: 13.1/18

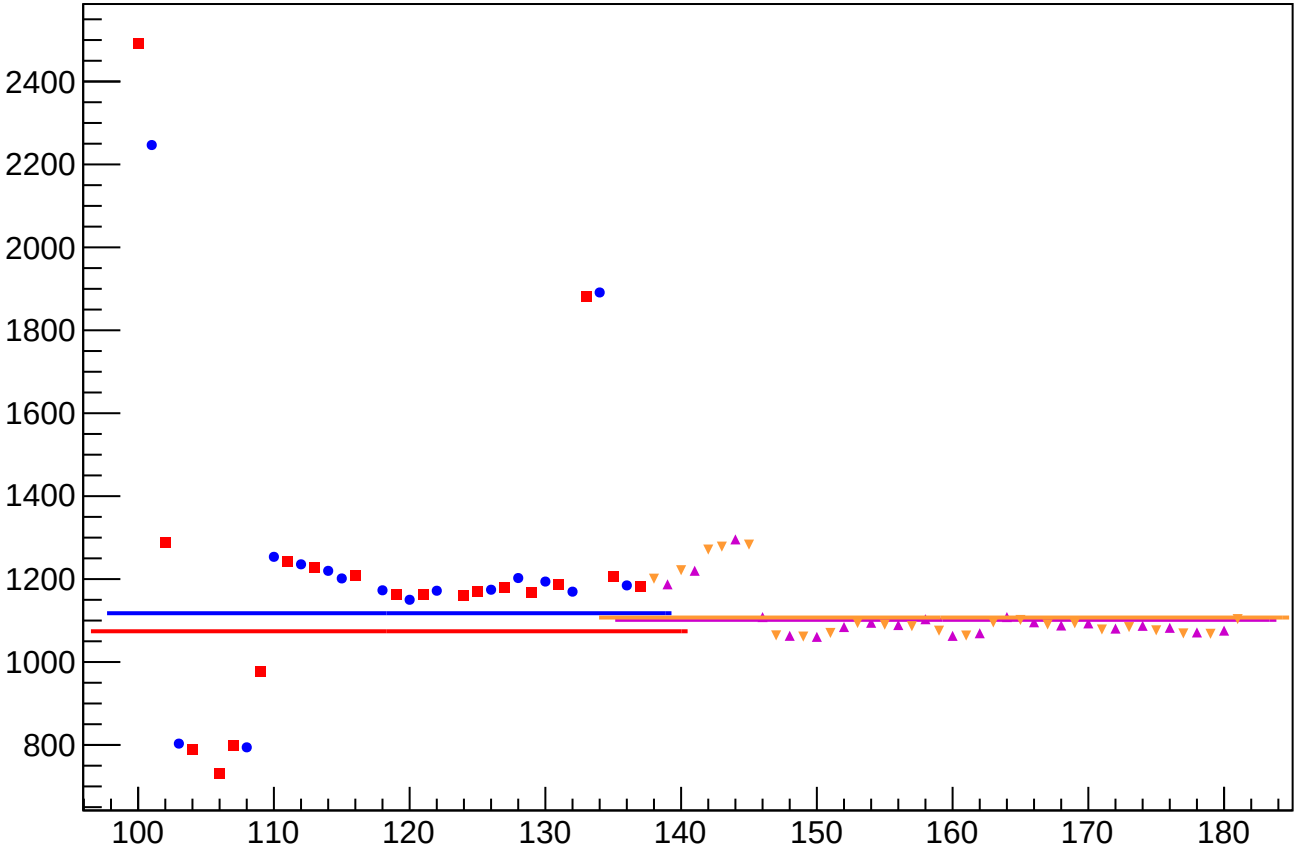
Left In: 425.271+/-265.543 χ^2/NDF:13.6/20

+ sign 153.614+/-221.536 χ^2/NDF: 58.8/38

All: 243.191+/-157.203 χ^2/NDF: 86.2/78

- sign 334.045+/-223.110 χ^2/NDF: 27.1/39

reg_asym_usr_atr2_dd_rms vs Slug



Right In: 1117.684+/-0.302 χ^2/NDF: 819835.1/15

Left Out: 1107.278+/-0.183 χ^2/NDF:120307.4/22

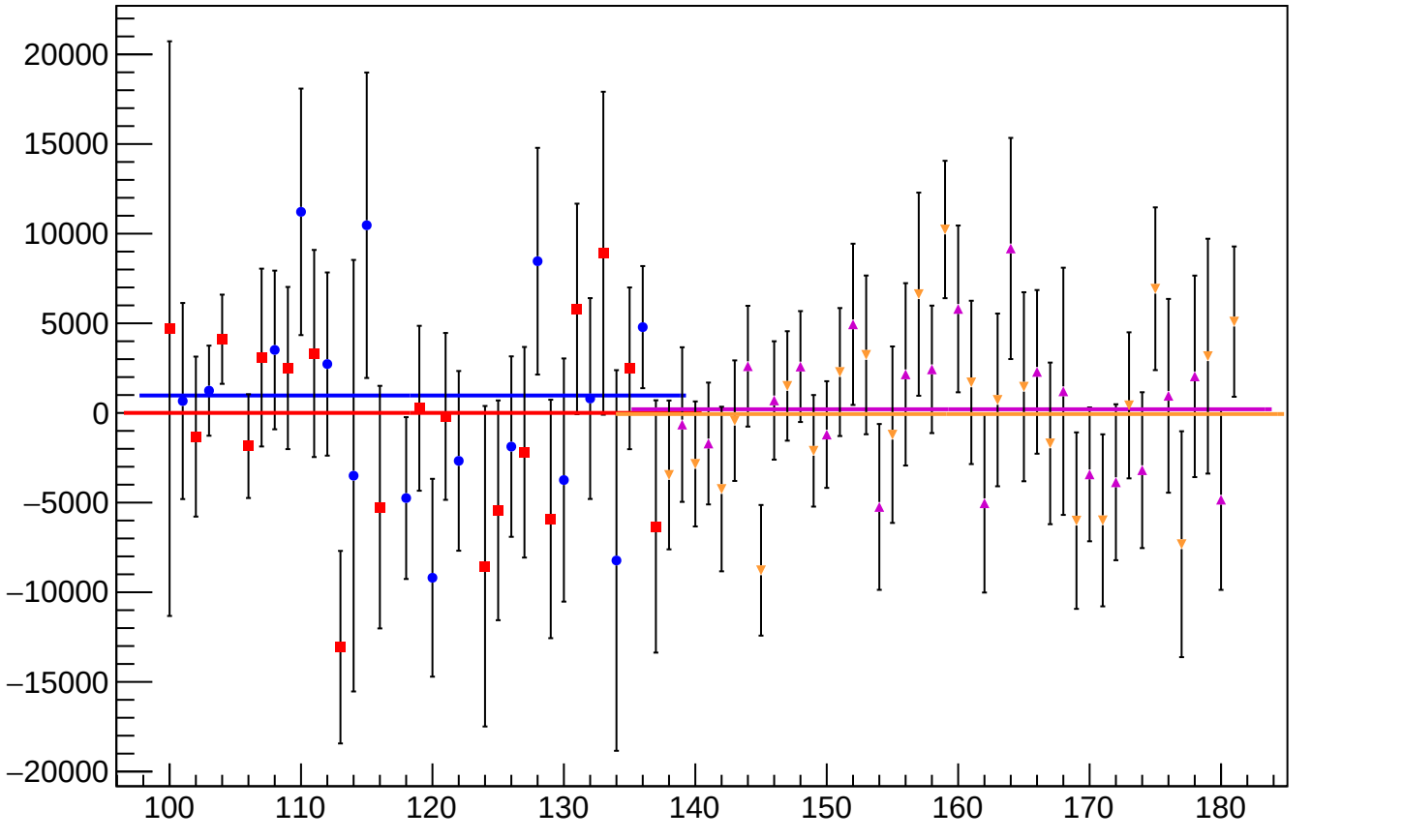
Right Out: 1074.148+/-0.289 χ^2/NDF: 649508.4/18

Left In: 1101.742+/-0.188 χ^2/NDF:79331.7/20

+ sign 1110.074+/-0.157 χ^2/NDF: 941009.5/38

All: 1101.841+/-0.111 χ^2/NDF: 1681824.9/78

- sign 1093.532+/-0.157 χ^2/NDF: 735265.6/39



Right In: 973.755+/-1232.754 χ^2/NDF: 13.8/15

Left Out: -59.751+/-874.460 χ^2/NDF:27.1/22

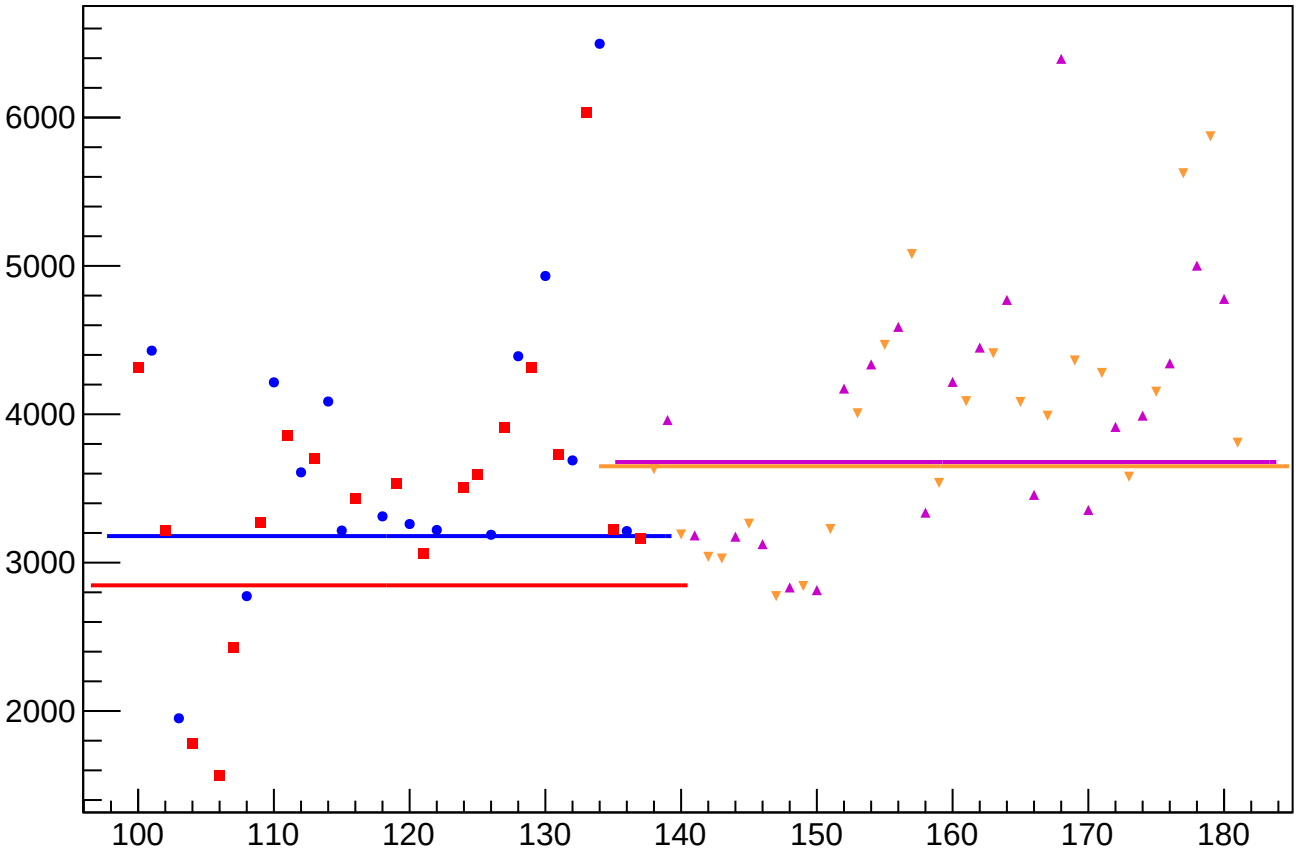
Right Out: 2.885+/-1113.897 χ^2/NDF: 16.6/18

Left In: 205.927+/-906.585 χ^2/NDF:13.2/20

\+ sign 286.210+/-713.237 χ^2/NDF: 41.3/38

All: 204.467+/-500.725 χ^2/NDF: 71.2/78

\- sign 125.023+/-703.136 χ^2/NDF: 29.8/39



Right In: 3178.870+/-0.872 χ^2/NDF: 1091676.8/15

Left Out: 3649.612+/-0.618 χ^2/NDF:1310703.7/22

Right Out: 2847.016+/-0.788 χ^2/NDF: 1511160.9/18

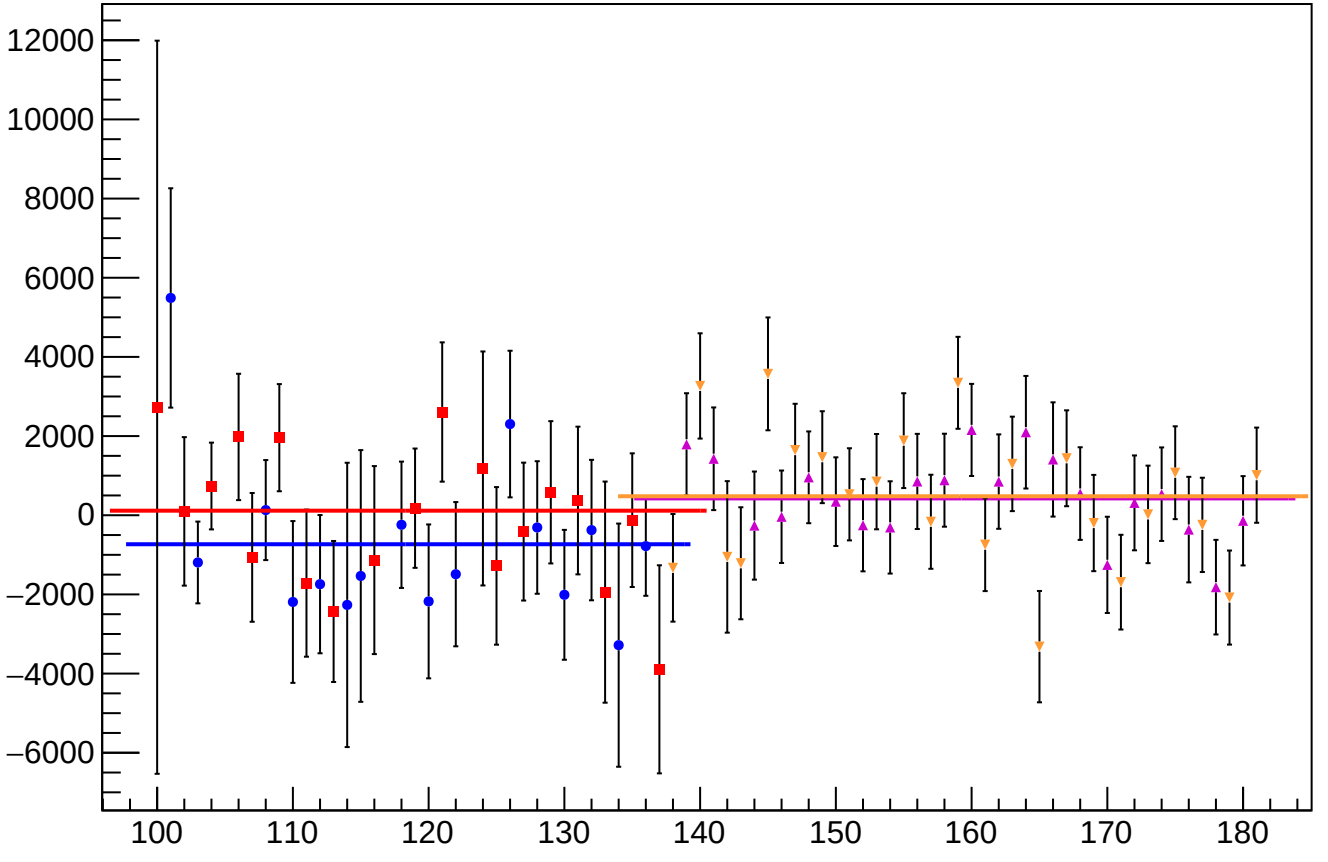
Left In: 3678.304+/-0.641 χ^2/NDF:1338296.0/20

\+ sign 3492.033+/-0.504 χ^2/NDF: 2596393.3/38

All: 3418.516+/-0.354 χ^2/NDF: 6157797.4/78

\- sign 3347.066+/-0.497 χ^2/NDF: 3519503.4/39

cor_asym_usr_atr2_dd_mean vs Slug



Right In: -732.682+/-427.385 χ^2/NDF: 11.7/15

Left Out: 479.352+/-259.055 χ^2/NDF:41.2/22

Right Out: 115.308+/-411.441 χ^2/NDF: 13.1/18

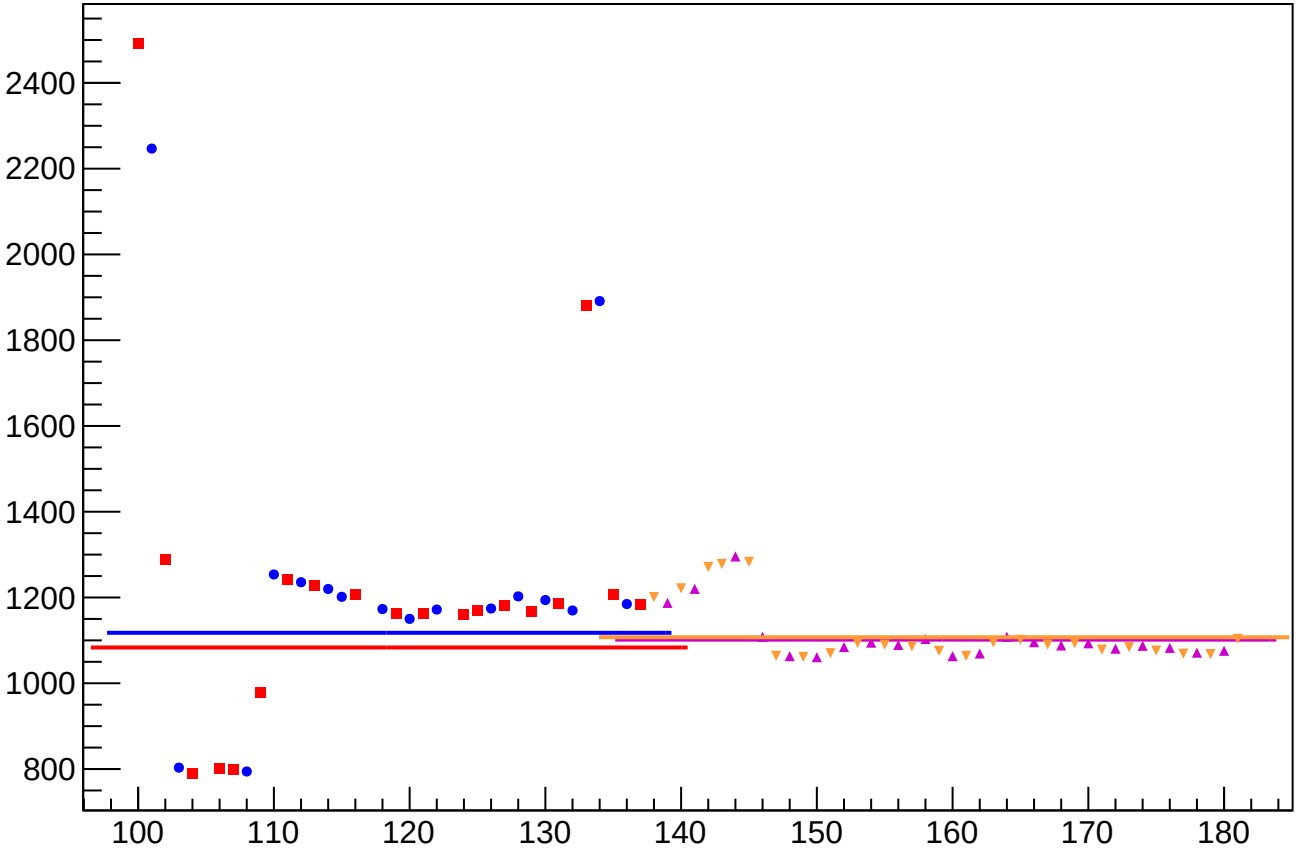
Left In: 425.190+/-265.543 χ^2/NDF:13.6/20

+ sign 153.692+/-221.536 χ^2/NDF: 58.8/38

All: 243.241+/-157.203 χ^2/NDF: 86.2/78

- sign 334.068+/-223.111 χ^2/NDF: 27.1/39

cor_asym_usr_atr2_dd_rms vs Slug



Right In: 1117.684+/-0.302 χ^2/NDF: 819831.7/15

Left Out: 1107.278+/-0.183 χ^2/NDF:120307.4/22

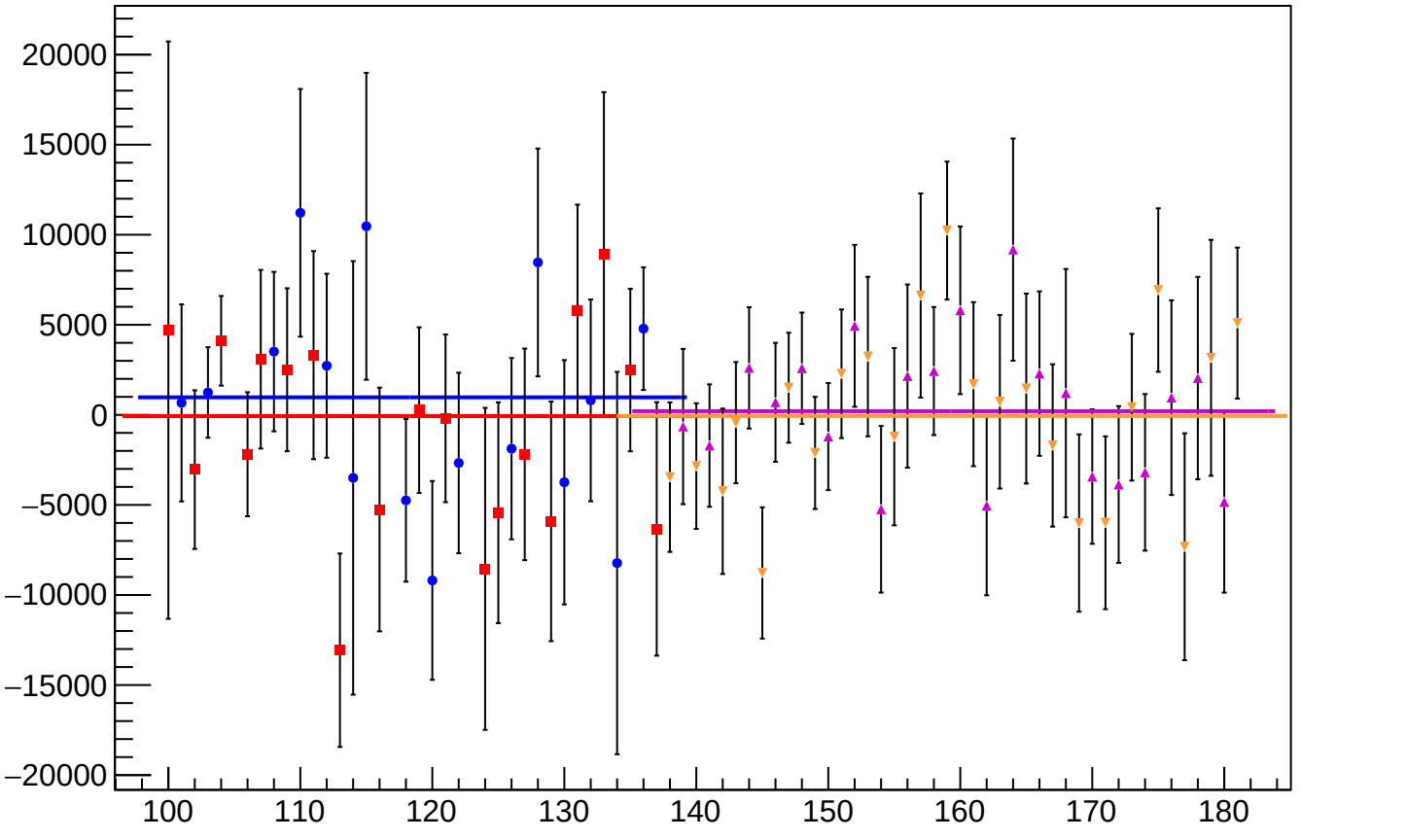
Right Out: 1083.421+/-0.290 χ^2/NDF: 595016.7/18

Left In: 1101.742+/-0.188 χ^2/NDF:79331.7/20

+ sign 1110.074+/-0.157 χ^2/NDF: 941006.1/38

All: 1103.252+/-0.111 χ^2/NDF: 1621980.1/78

- sign 1096.340+/-0.158 χ^2/NDF: 677155.4/39



Right In: 973.256+/-1232.803 χ^2/NDF: 13.8/15

Left Out: -59.751+/-874.459 χ^2/NDF:27.1/22

Right Out: -67.113+/-1137.892 χ^2/NDF: 16.9/18

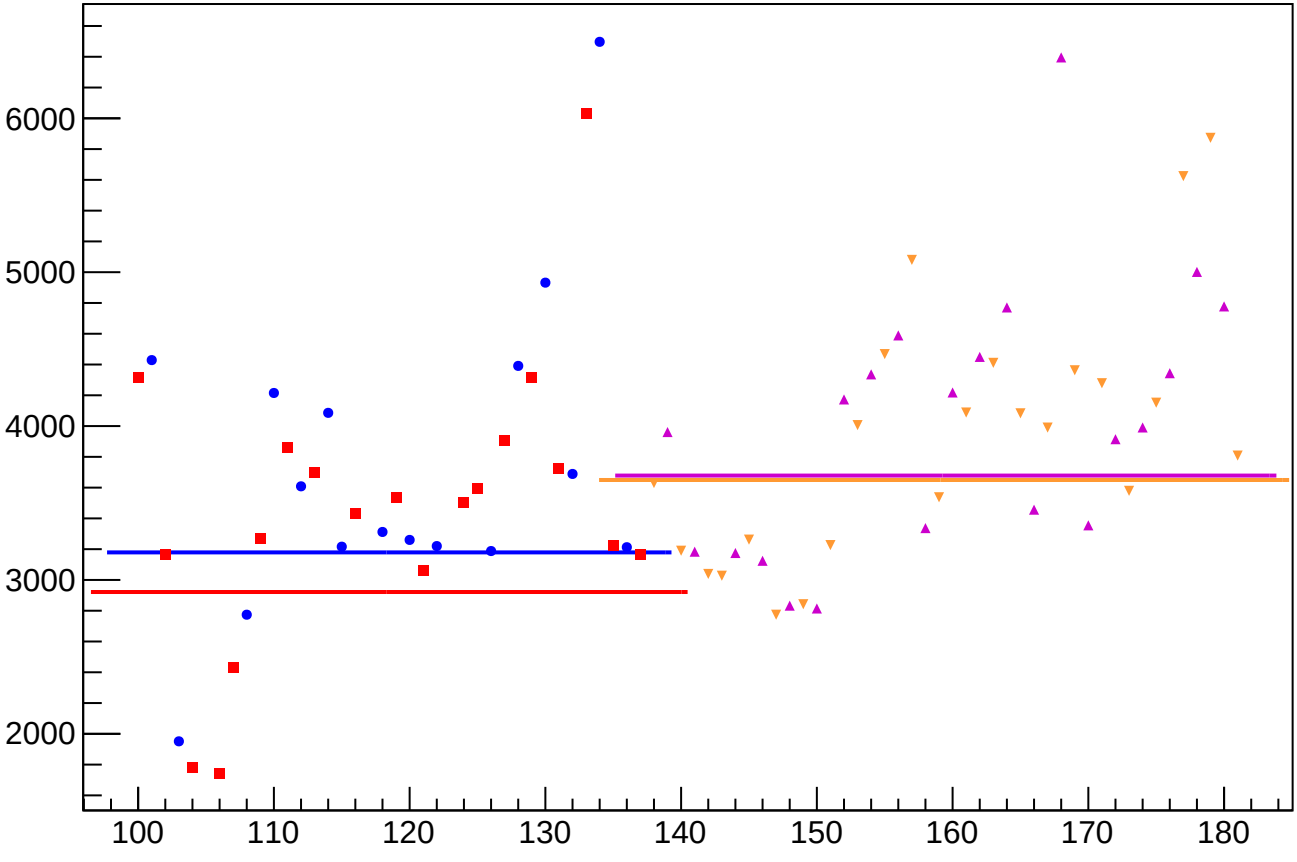
Left In: 205.898+/-906.584 χ^2/NDF:13.2/20

+ sign 286.025+/-713.246 χ^2/NDF: 41.3/38

All: 192.409+/-502.853 χ^2/NDF: 71.6/78

- sign 99.890+/-709.056 χ^2/NDF: 30.2/39

asym_usr_atr2_dd_cor_correction_rms vs Slug



Right In: 3179.054+/-0.872 χ^2/NDF: 1091236.5/15

Left Out: 3649.608+/-0.618 χ^2/NDF:1310711.0/22

Right Out: 2921.641+/-0.805 χ^2/NDF: 1312890.1/18

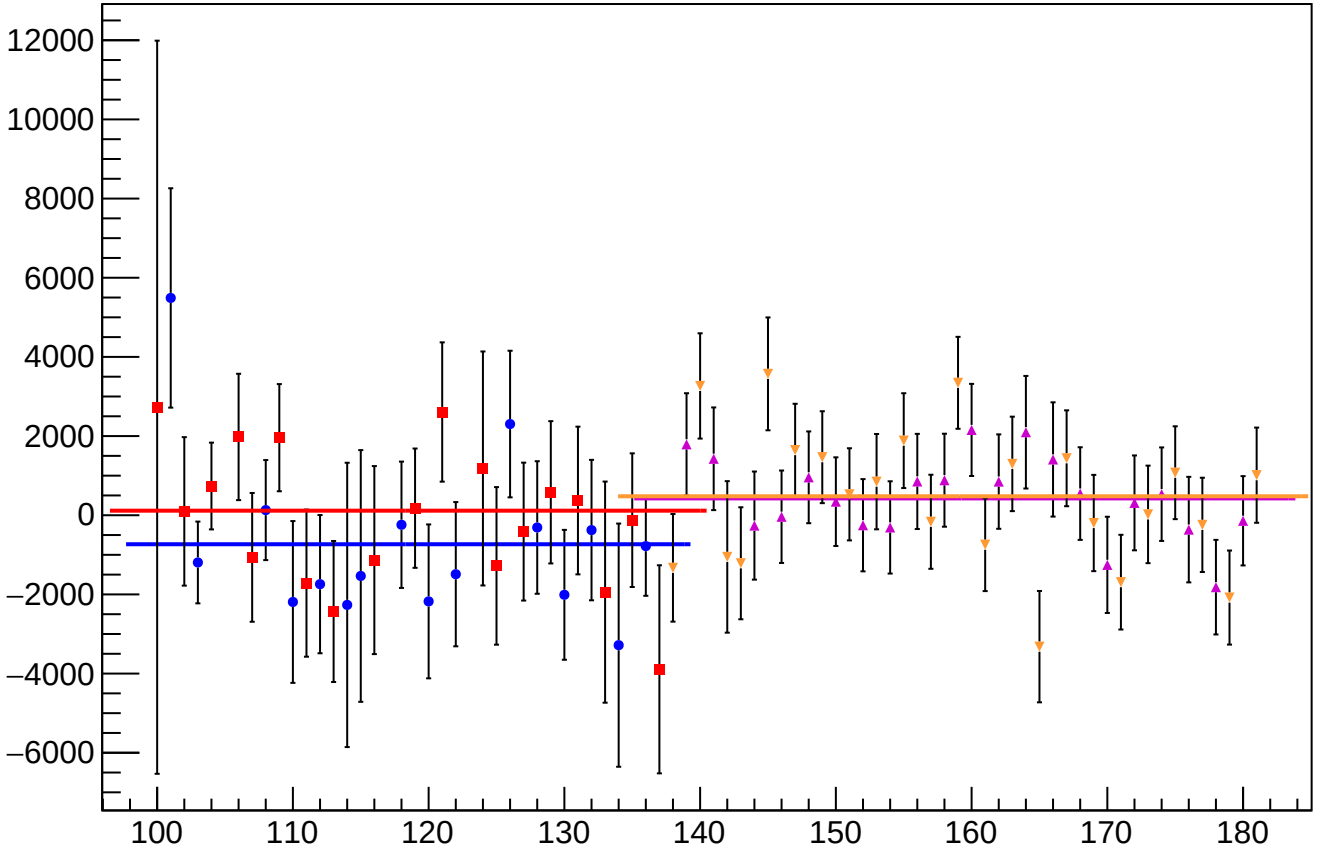
Left In: 3678.301+/-0.641 χ^2/NDF:1338297.8/20

\+ sign 3492.101+/-0.504 χ^2/NDF: 2595795.3/38

All: 3437.981+/-0.356 χ^2/NDF: 5810849.3/78

\- sign 3384.496+/-0.501 χ^2/NDF: 3192159.4/39

eigen_cor_asym_usr_atr2_dd_mean vs Slug



Right In: -732.682+/-427.385 χ^2/NDF: 11.7/15

Left Out: 479.352+/-259.055 χ^2/NDF:41.2/22

Right Out: 115.308+/-411.441 χ^2/NDF: 13.1/18

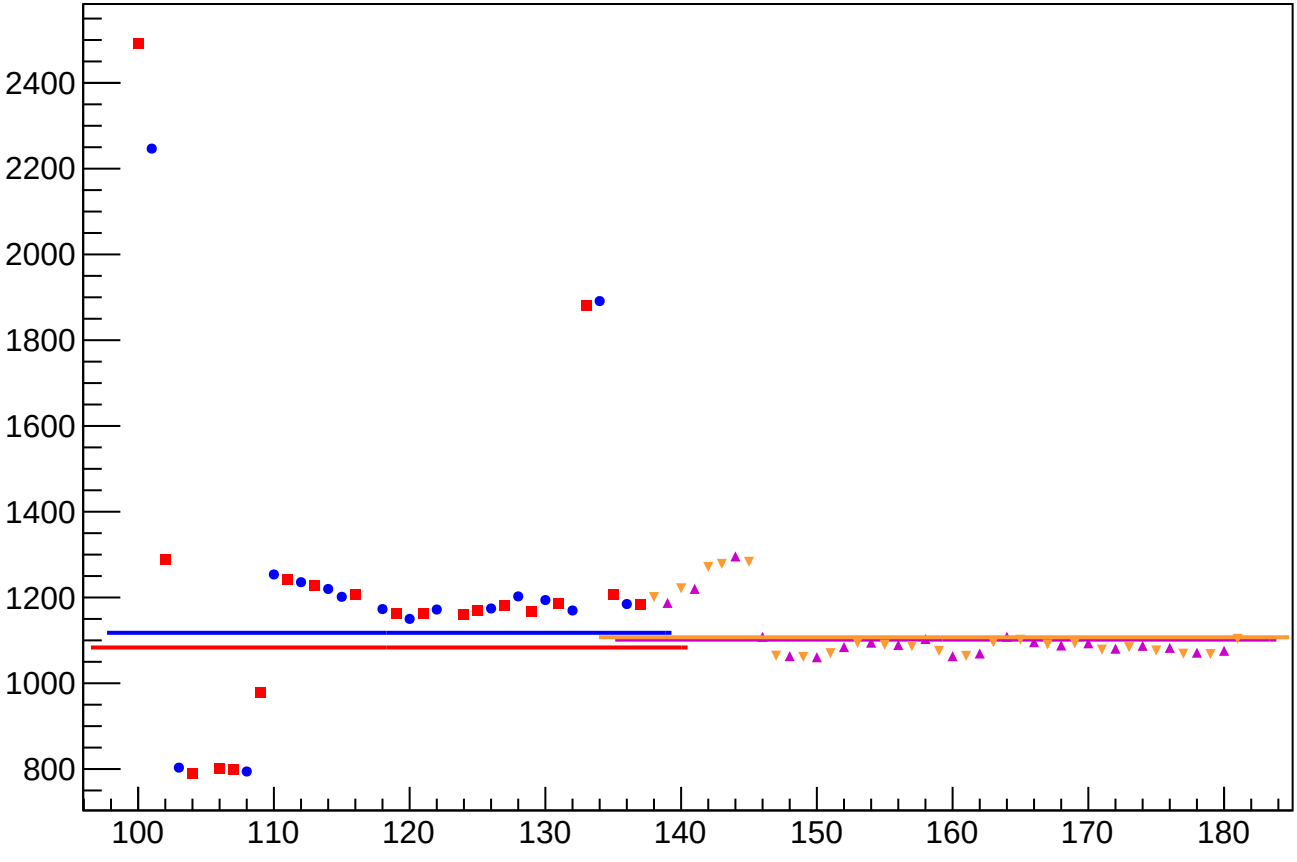
Left In: 425.190+/-265.543 χ^2/NDF:13.6/20

+ sign 153.692+/-221.536 χ^2/NDF: 58.8/38

All: 243.241+/-157.203 χ^2/NDF: 86.2/78

- sign 334.068+/-223.111 χ^2/NDF: 27.1/39

eigen_cor_asym_usr_atr2_dd_rms vs Slug



Right In: 1117.684+/-0.302 χ^2/NDF: 819831.7/15

Left Out: 1107.278+/-0.183 χ^2/NDF:120307.4/22

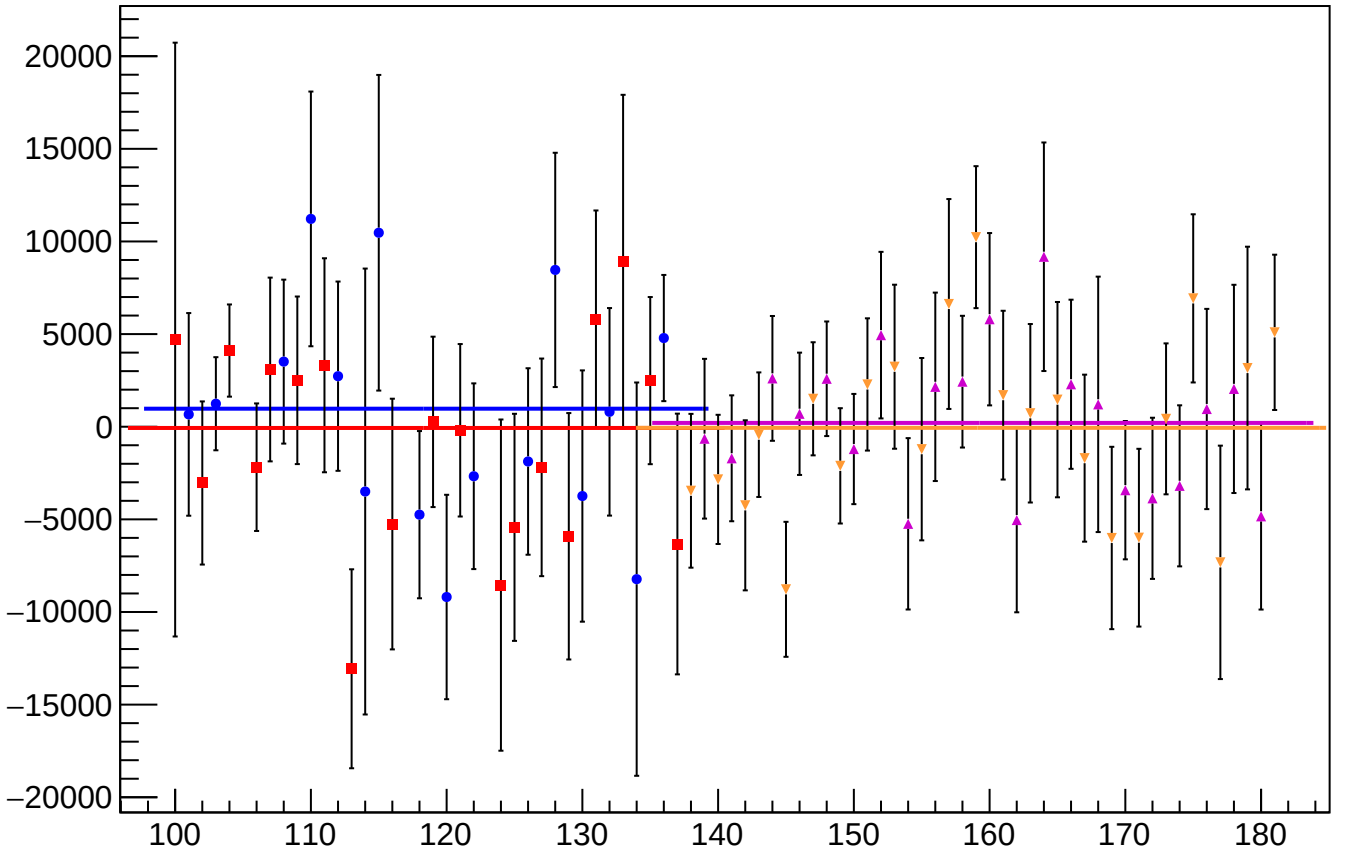
Right Out: 1083.421+/-0.290 χ^2/NDF: 595016.7/18

Left In: 1101.742+/-0.188 χ^2/NDF:79331.7/20

+ sign 1110.074+/-0.157 χ^2/NDF: 941006.1/38

All: 1103.252+/-0.111 χ^2/NDF: 1621980.1/78

- sign 1096.340+/-0.158 χ^2/NDF: 677155.4/39



Right In: 973.256+/-1232.803 χ^2/NDF: 13.8/15

Left Out: -59.751+/-874.459 χ^2/NDF:27.1/22

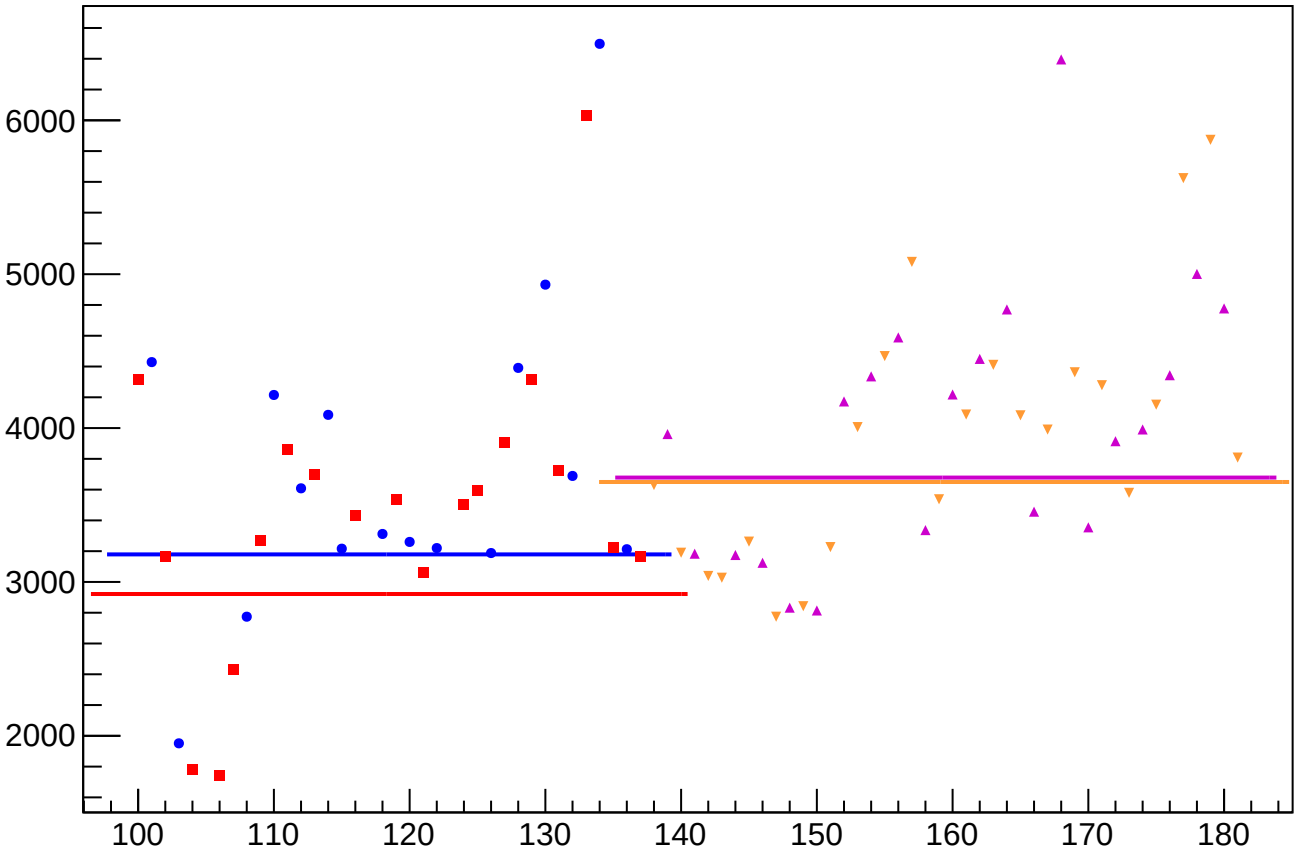
Right Out: -67.113+/-1137.892 χ^2/NDF: 16.9/18

Left In: 205.898+/-906.584 χ^2/NDF:13.2/20

+ sign 286.025+/-713.246 χ^2/NDF: 41.3/38

All: 192.409+/-502.853 χ^2/NDF: 71.6/78

- sign 99.890+/-709.056 χ^2/NDF: 30.2/39



Right In: 3179.054+/-0.872 χ^2/NDF: 1091236.5/15

Left Out: 3649.608+/-0.618 χ^2/NDF:1310711.0/22

Right Out: 2921.641+/-0.805 χ^2/NDF: 1312890.1/18

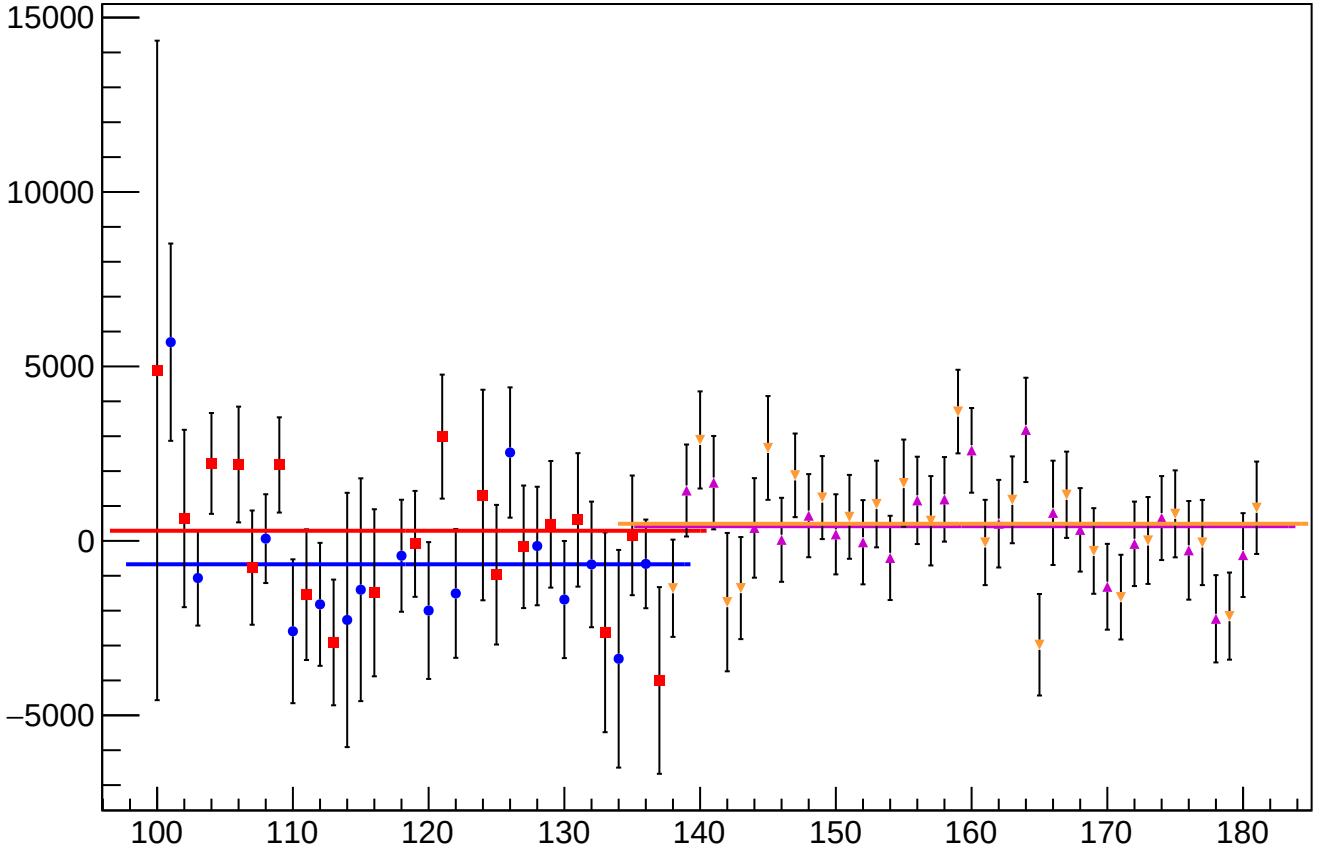
Left In: 3678.301+/-0.641 χ^2/NDF:1338297.8/20

\+ sign 3492.101+/-0.504 χ^2/NDF: 2595795.3/38

All: 3437.981+/-0.356 χ^2/NDF: 5810849.3/78

\- sign 3384.496+/-0.501 χ^2/NDF: 3192159.4/39

dit_asym_usr_atr2_dd_mean vs Slug



Right In: -670.819+/-448.500 χ^2/NDF: 11.9/15

Left Out: 490.744+/-268.679 χ^2/NDF:34.8/22

Right Out: 290.311+/-434.425 χ^2/NDF: 16.9/18

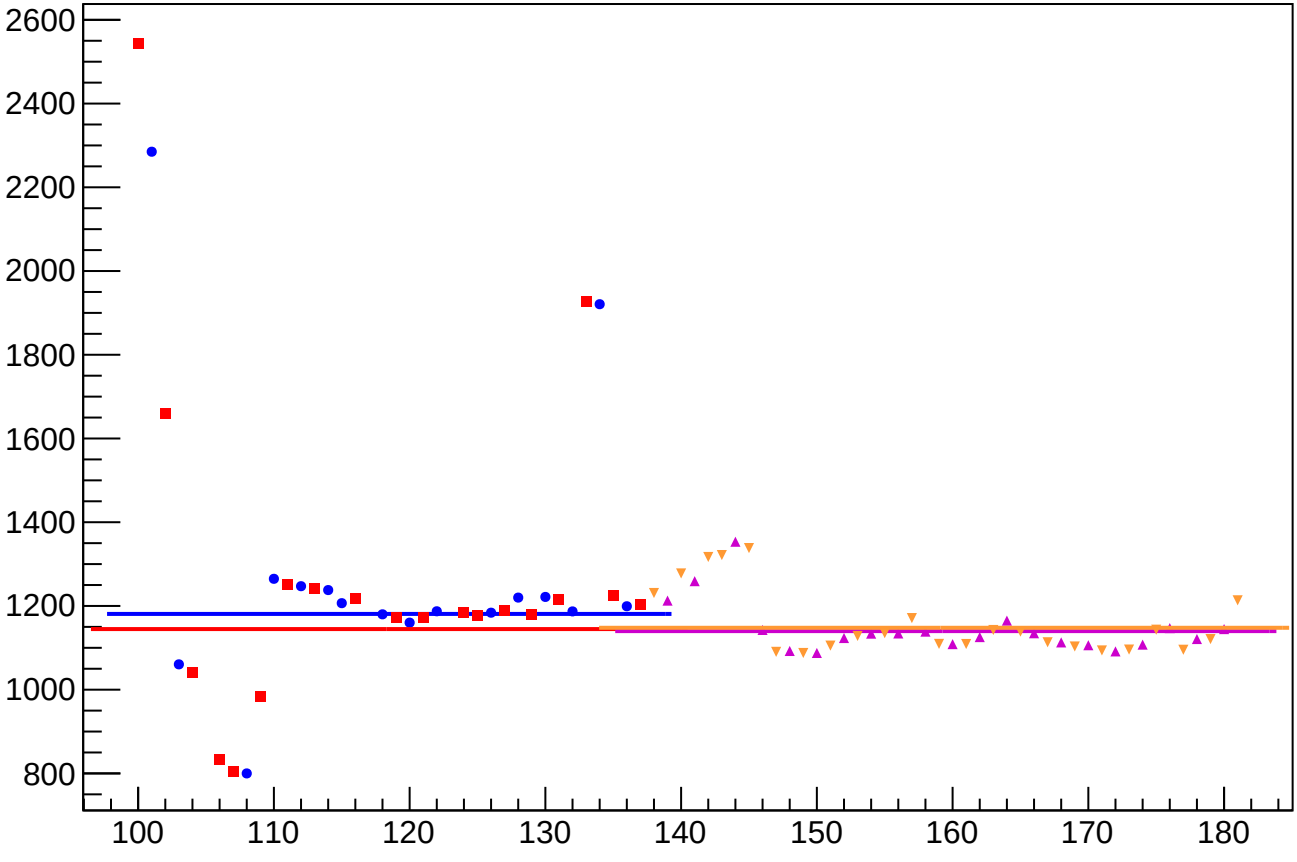
Left In: 420.189+/-274.809 χ^2/NDF:17.3/20

\+ sign 183.979+/-230.486 χ^2/NDF: 51.6/38

All: 282.769+/-163.596 χ^2/NDF: 86.3/78

\- sign 383.071+/-232.243 χ^2/NDF: 34.3/39

dit_asym_usr_atr2_dd_rms vs Slug



Right In: 1180.955+/-0.317 χ^2/NDF: 621878.6/15

Left Out: 1147.856+/-0.190 χ^2/NDF:139074.8/22

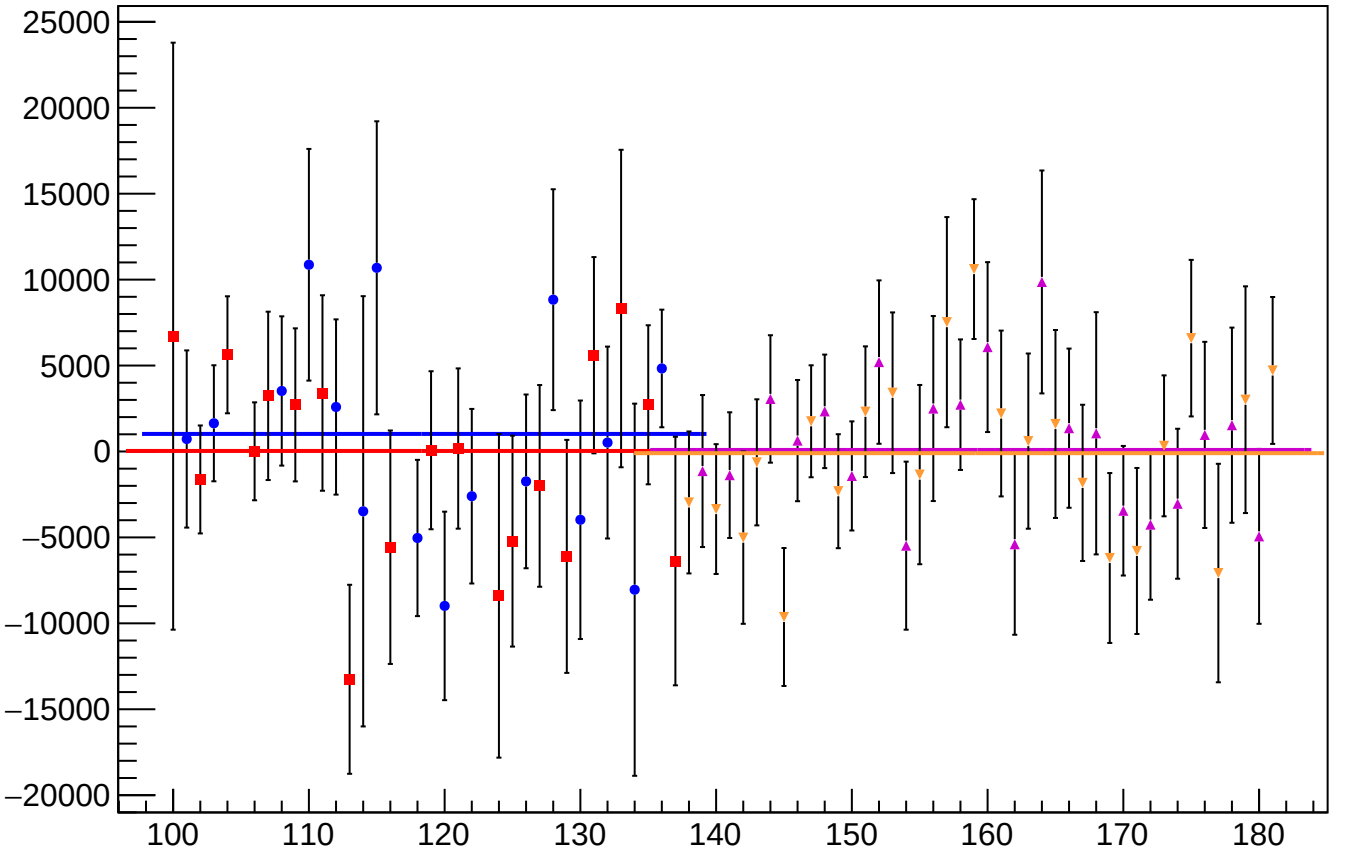
Right Out: 1144.777+/-0.307 χ^2/NDF: 497730.6/18

Left In: 1139.891+/-0.194 χ^2/NDF:84432.6/20

+ sign 1156.597+/-0.163 χ^2/NDF: 768969.6/38

All: 1149.000+/-0.116 χ^2/NDF: 1355692.6/78

- sign 1141.288+/-0.164 χ^2/NDF: 582344.0/39



Right In: 1021.047+/-1302.431 χ^2/NDF: 13.9/15

Left Out: -98.244+/-918.197 χ^2/NDF:26.4/22

Right Out: 30.135+/-1130.743 χ^2/NDF: 16.1/18

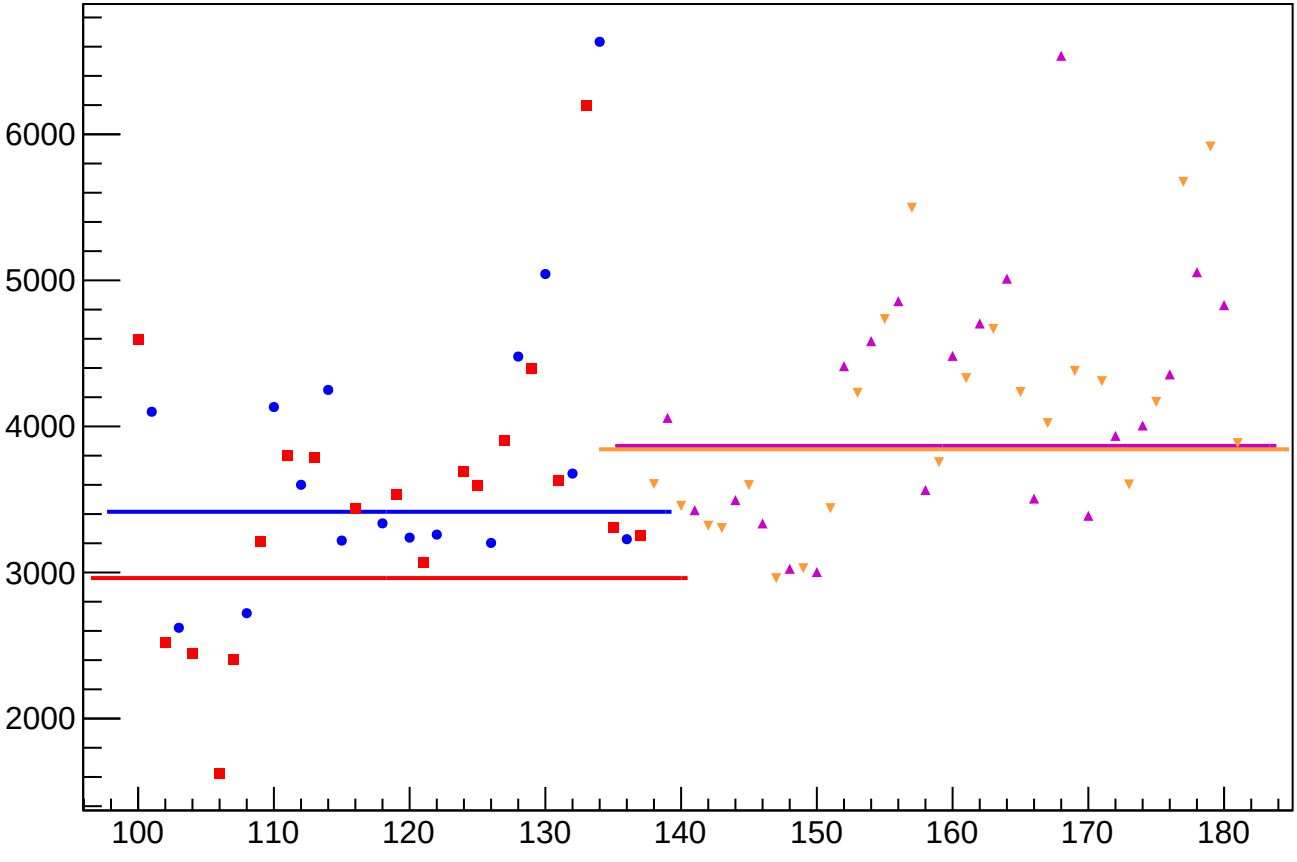
Left In: 88.993+/-950.755 χ^2/NDF:13.1/20

\+ sign 273.361+/-750.454 χ^2/NDF: 40.8/38

All: 165.777+/-522.422 χ^2/NDF: 70.0/78

\- sign 64.616+/-727.702 χ^2/NDF: 29.2/39

asym_usr_atr2_dd_dit_correction_rms vs Slug



Right In: 3415.595+/-0.921 χ^2/NDF: 592344.0/15

Left Out: 3843.346+/-0.649 χ^2/NDF:1118361.4/22

Right Out: 2961.798+/-0.800 χ^2/NDF: 1169257.4/18

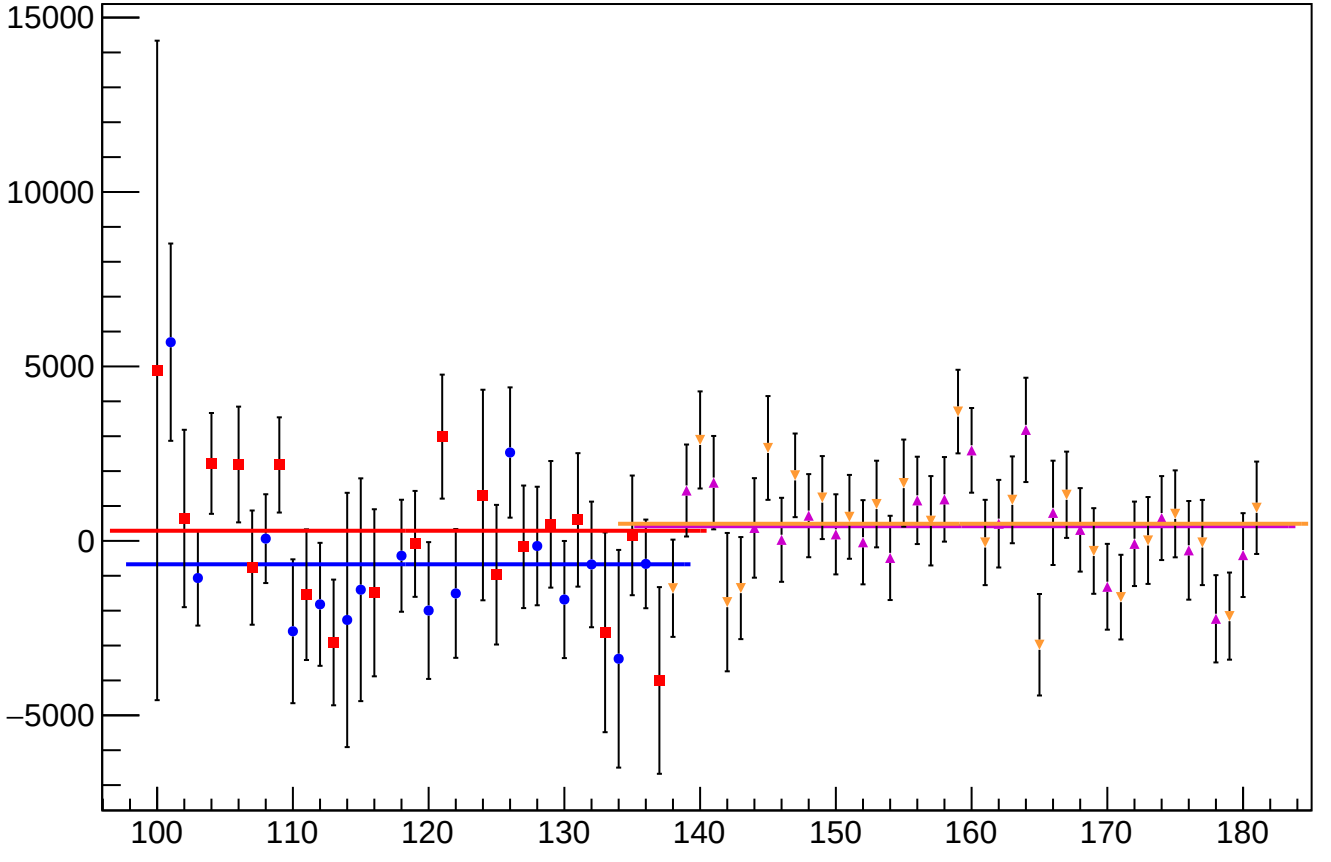
Left In: 3866.444+/-0.672 χ^2/NDF:1179676.7/20

+ sign 3701.332+/-0.531 χ^2/NDF: 1854810.5/38

All: 3593.324+/-0.369 χ^2/NDF: 5034073.0/78

- sign 3491.765+/-0.515 χ^2/NDF: 3098879.7/39

eigen_dit_asym_usr_atr2_dd_mean vs Slug



Right In: -670.824+/-448.500 χ^2/NDF: 11.9/15

Left Out: 490.749+/-268.679 χ^2/NDF:34.8/22

Right Out: 290.316+/-434.425 χ^2/NDF: 16.9/18

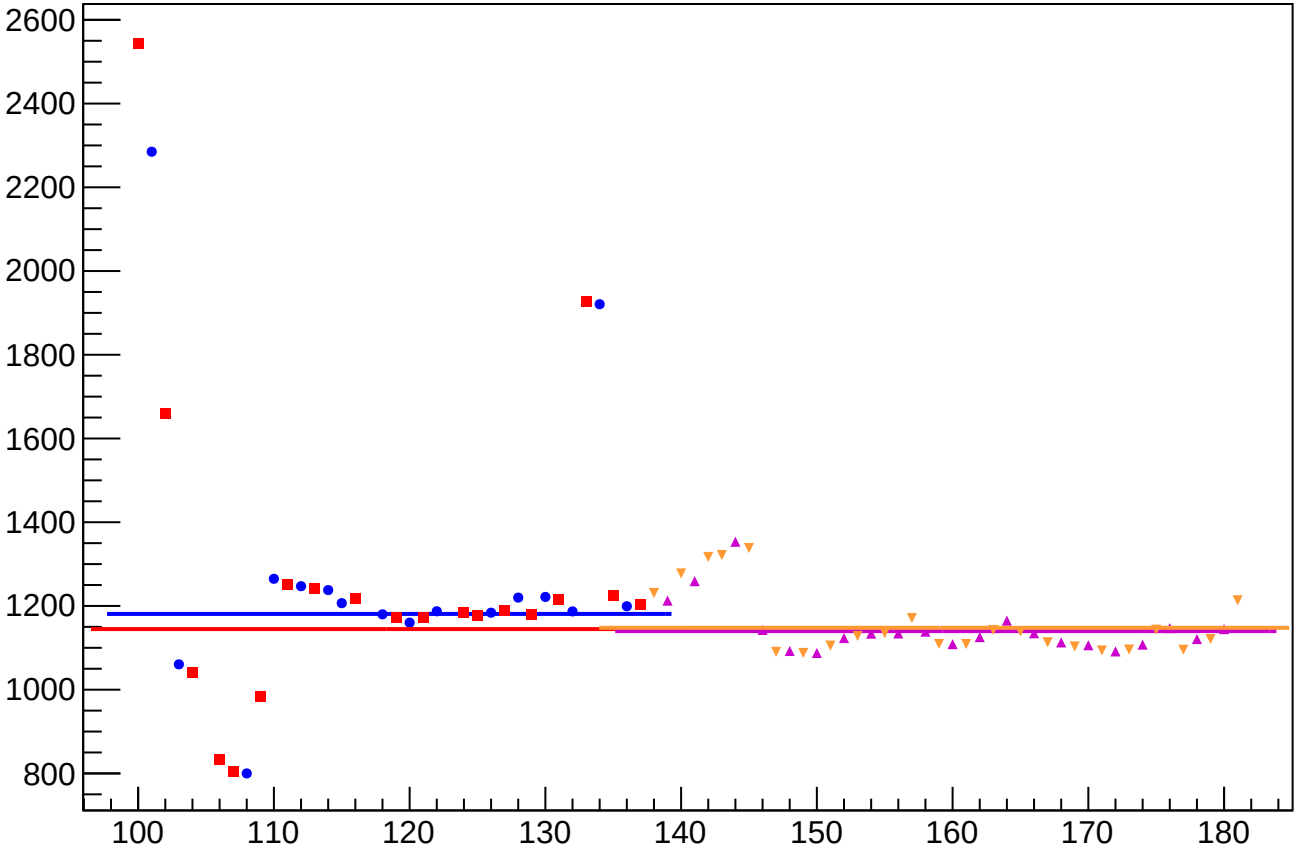
Left In: 420.188+/-274.809 χ^2/NDF:17.3/20

\+ sign 183.981+/-230.486 χ^2/NDF: 51.6/38

All: 282.770+/-163.596 χ^2/NDF: 86.3/78

\- sign 383.071+/-232.243 χ^2/NDF: 34.3/39

eigen_dit_asym_usr_atr2_dd_rms vs Slug



Right In: 1180.955+/-0.317 χ^2/NDF: 621878.9/15

Left Out: 1147.856+/-0.190 χ^2/NDF:139074.8/22

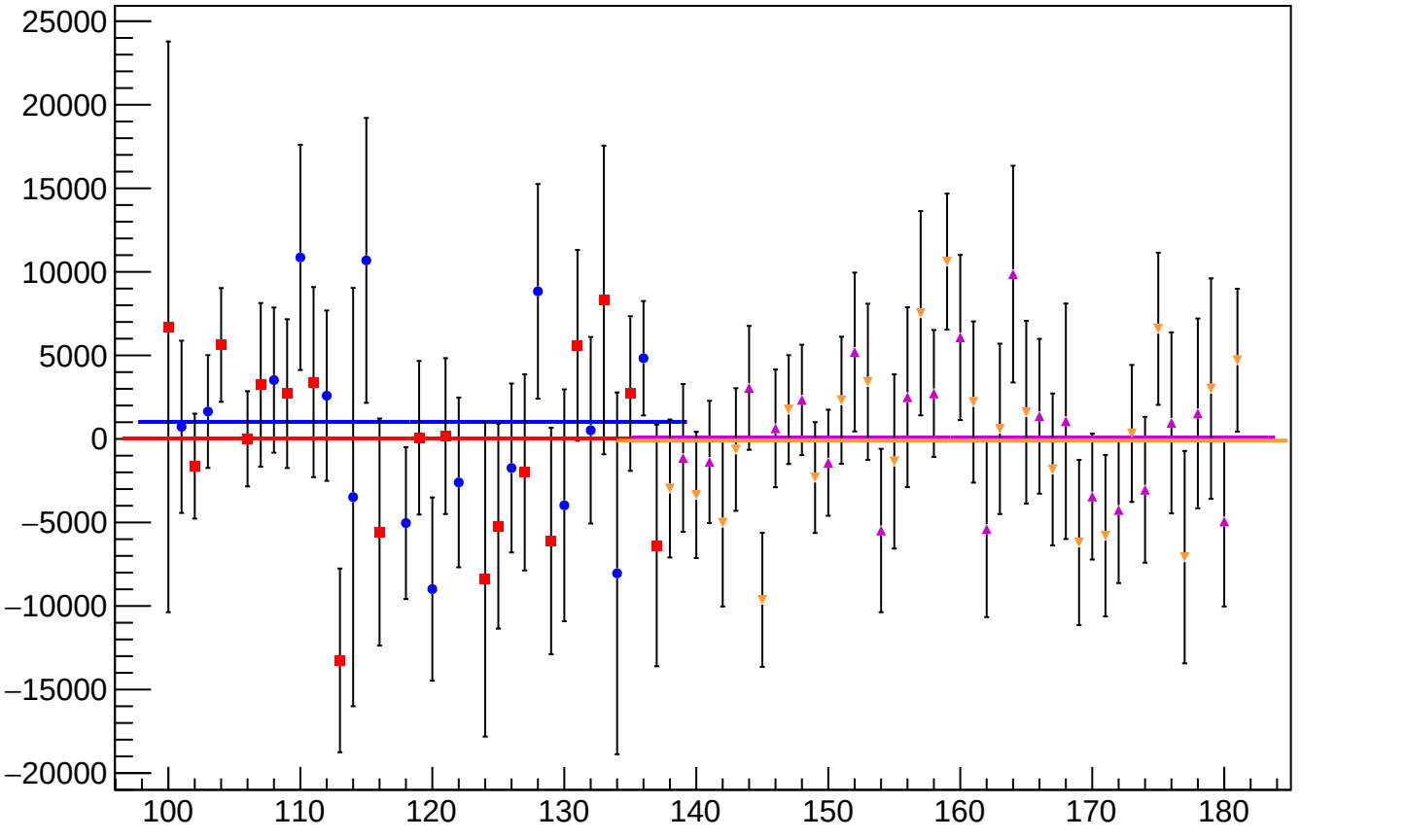
Right Out: 1144.777+/-0.307 χ^2/NDF: 497730.2/18

Left In: 1139.891+/-0.194 χ^2/NDF:84432.3/20

+ sign 1156.598+/-0.163 χ^2/NDF: 768969.5/38

All: 1149.000+/-0.116 χ^2/NDF: 1355691.7/78

- sign 1141.288+/-0.164 χ^2/NDF: 582343.3/39



Right In: 1021.029+/-1302.430 χ^2/NDF: 13.9/15

Left Out: -98.243+/-918.199 χ^2/NDF:26.4/22

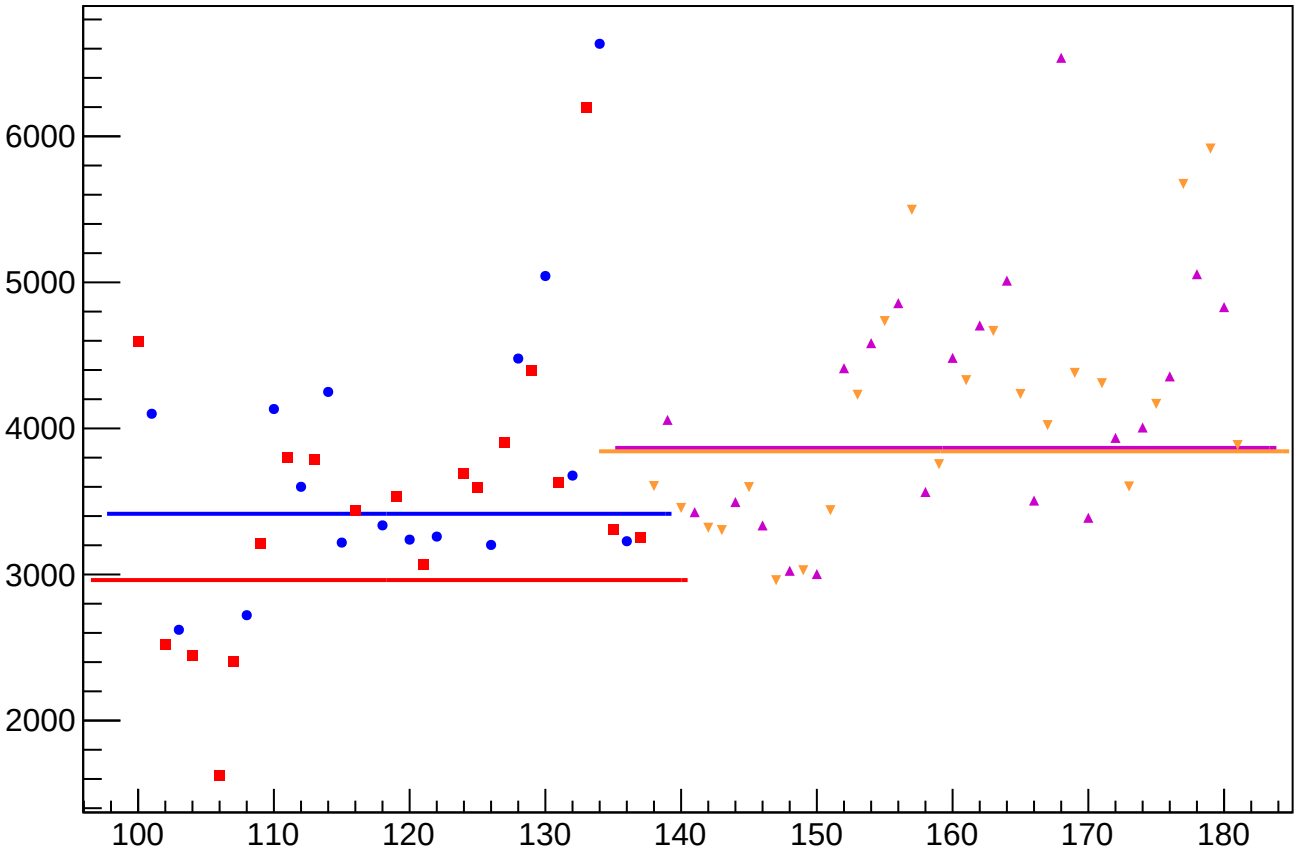
Right Out: 30.142+/-1130.741 χ^2/NDF: 16.1/18

Left In: 88.992+/-950.756 χ^2/NDF:13.1/20

+ sign 273.357+/-750.454 χ^2/NDF: 40.8/38

All: 165.775+/-522.422 χ^2/NDF: 70.0/78

- sign 64.618+/-727.703 χ^2/NDF: 29.2/39



Right In: 3415.591+/-0.921 χ^2/NDF: 592339.1/15

Left Out: 3843.352+/-0.649 χ^2/NDF:1118363.0/22

Right Out: 2961.793+/-0.800 χ^2/NDF: 1169257.0/18

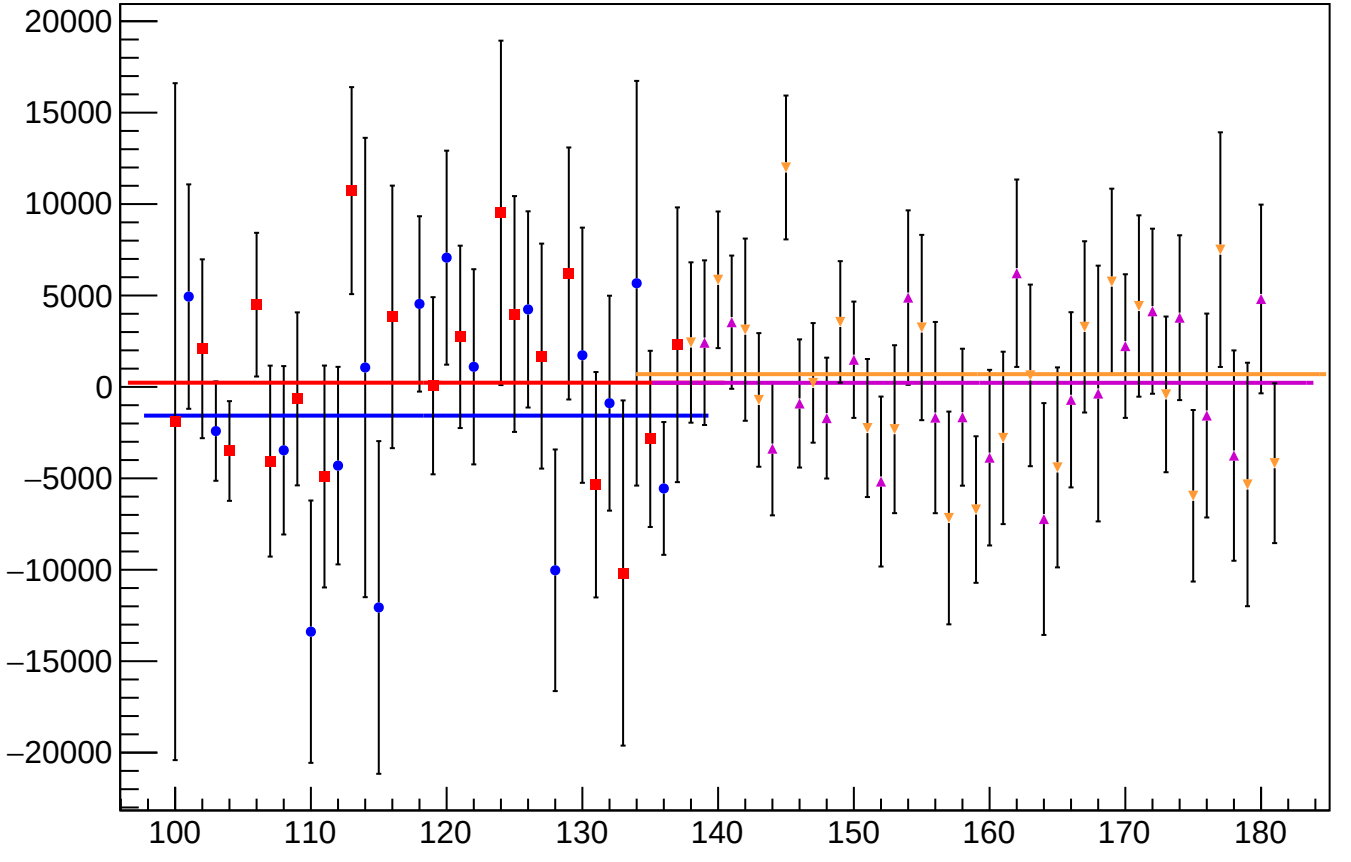
Left In: 3866.449+/-0.672 χ^2/NDF:1179680.2/20

+ sign 3701.334+/-0.531 χ^2/NDF: 1854813.3/38

All: 3593.325+/-0.369 χ^2/NDF: 5034098.1/78

- sign 3491.765+/-0.515 χ^2/NDF: 3098900.4/39

asym_usr_atr2_dd_mean vs Slug



Right In: -1569.809+/-1312.937 χ^2/NDF: 14.5/15

Left Out: 697.608+/-920.790 χ^2/NDF:26.5/22

Right Out: 231.125+/-1224.318 χ^2/NDF: 13.2/18

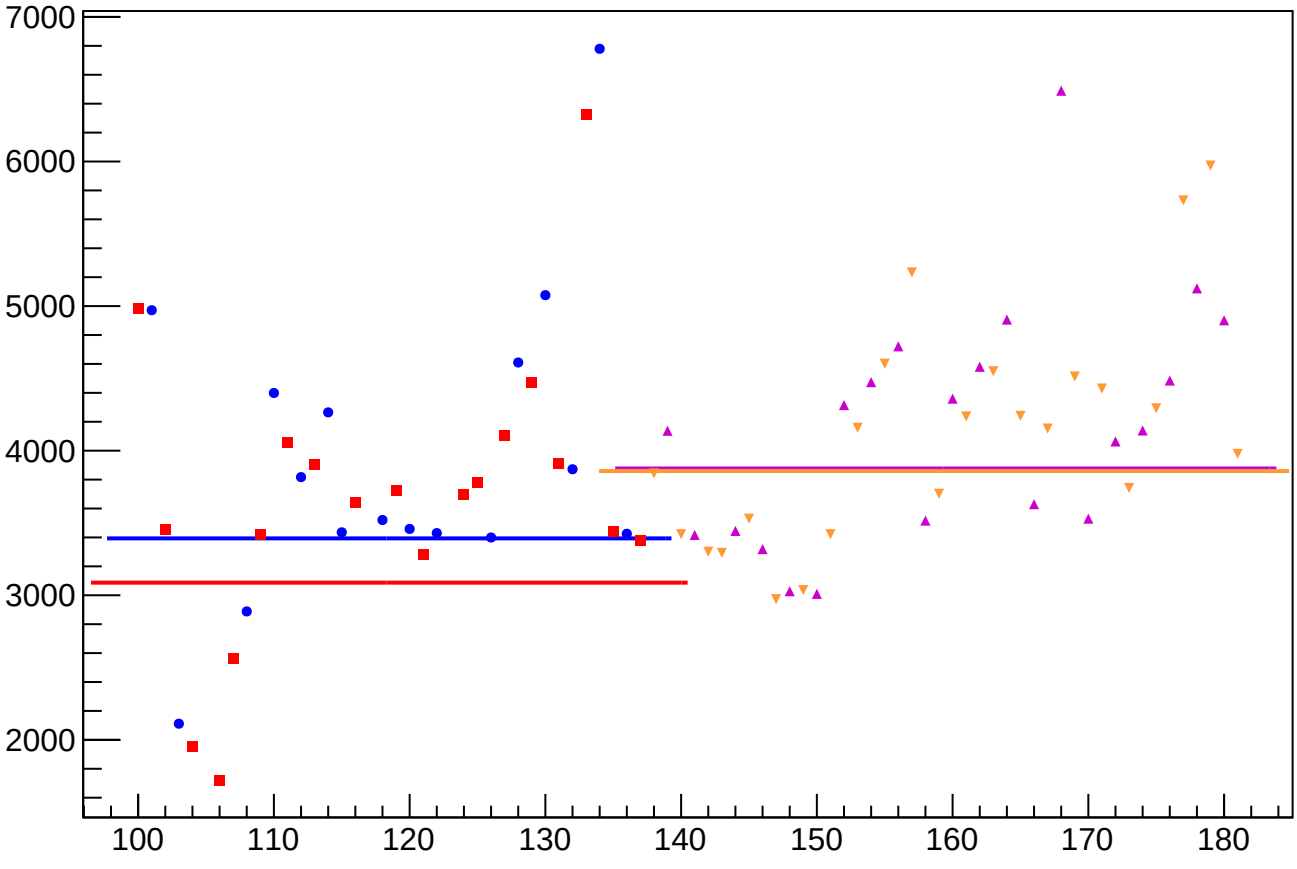
Left In: 224.423+/-952.110 χ^2/NDF:11.9/20

+ sign -49.940+/-753.872 χ^2/NDF: 43.0/38

All: 88.924+/-532.260 χ^2/NDF: 68.2/78

- sign 226.949+/-751.591 χ^2/NDF: 25.1/39

asym_usr_atr2_dd_rms vs Slug



Right In: 3393.365+/-0.928 χ^2/NDF: 1048707.6/15

Left Out: 3858.918+/-0.651 χ^2/NDF:1097135.7/22

Right Out: 3087.307+/-0.851 χ^2/NDF: 1328355.8/18

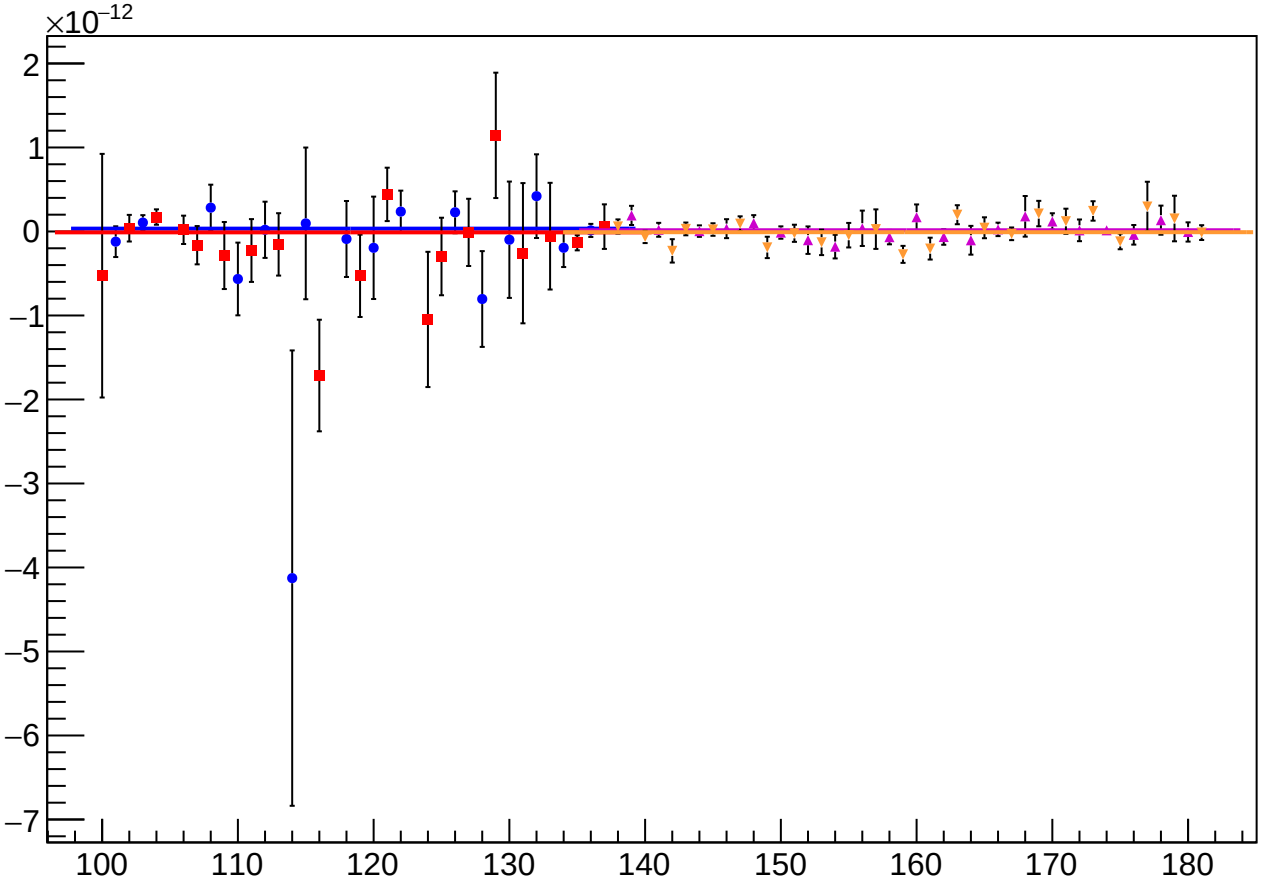
Left In: 3876.910+/-0.673 χ^2/NDF:1135239.0/20

+ sign 3705.429+/-0.533 χ^2/NDF: 2314403.8/38

All: 3638.615+/-0.375 χ^2/NDF: 5338460.7/78

- sign 3573.054+/-0.528 χ^2/NDF: 2992932.0/39

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:31.6/22

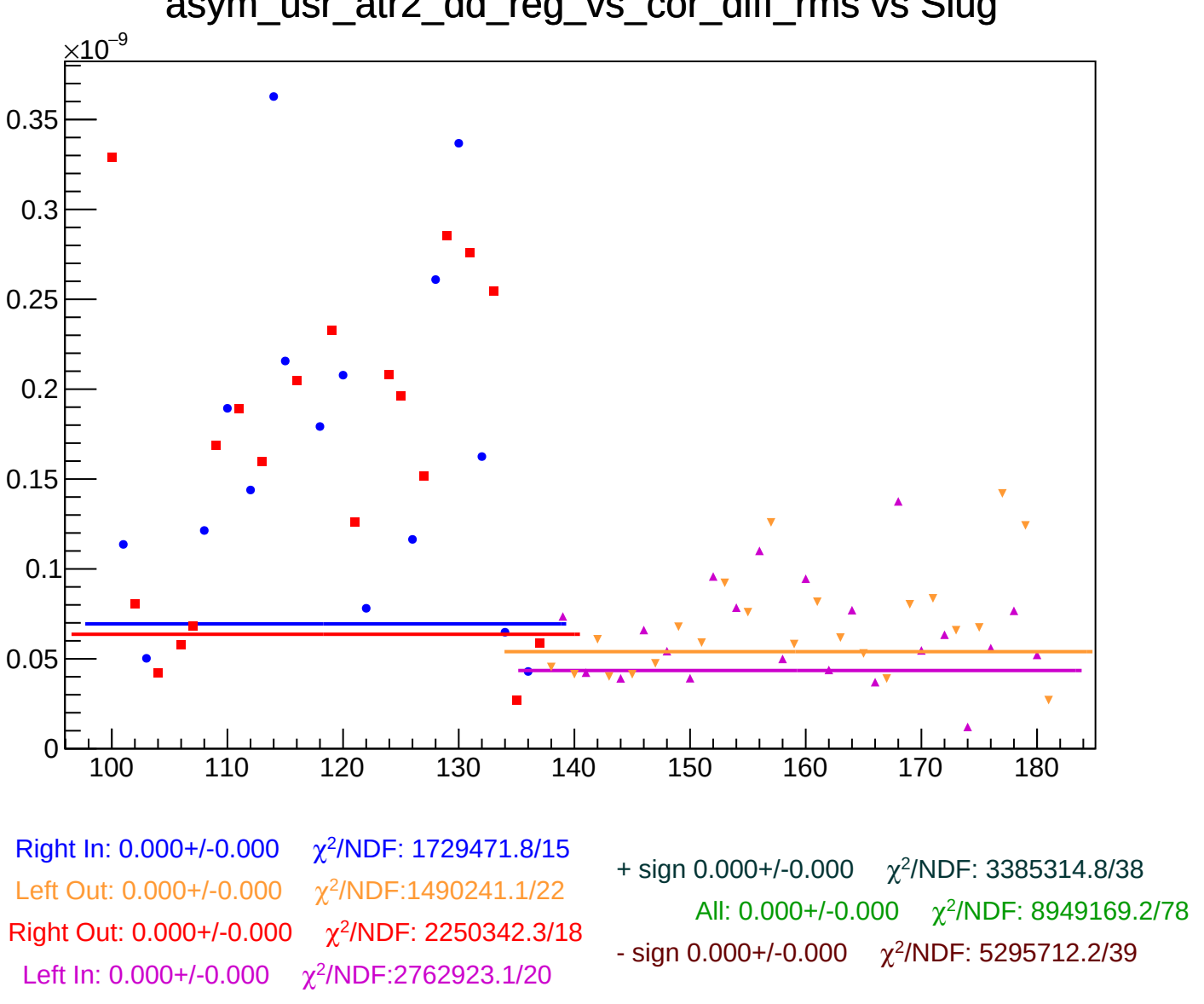
Right Out: -0.000+/-0.000 χ^2/NDF: 21.9/18

Left In: 0.000+/-0.000 χ^2/NDF:11.4/20

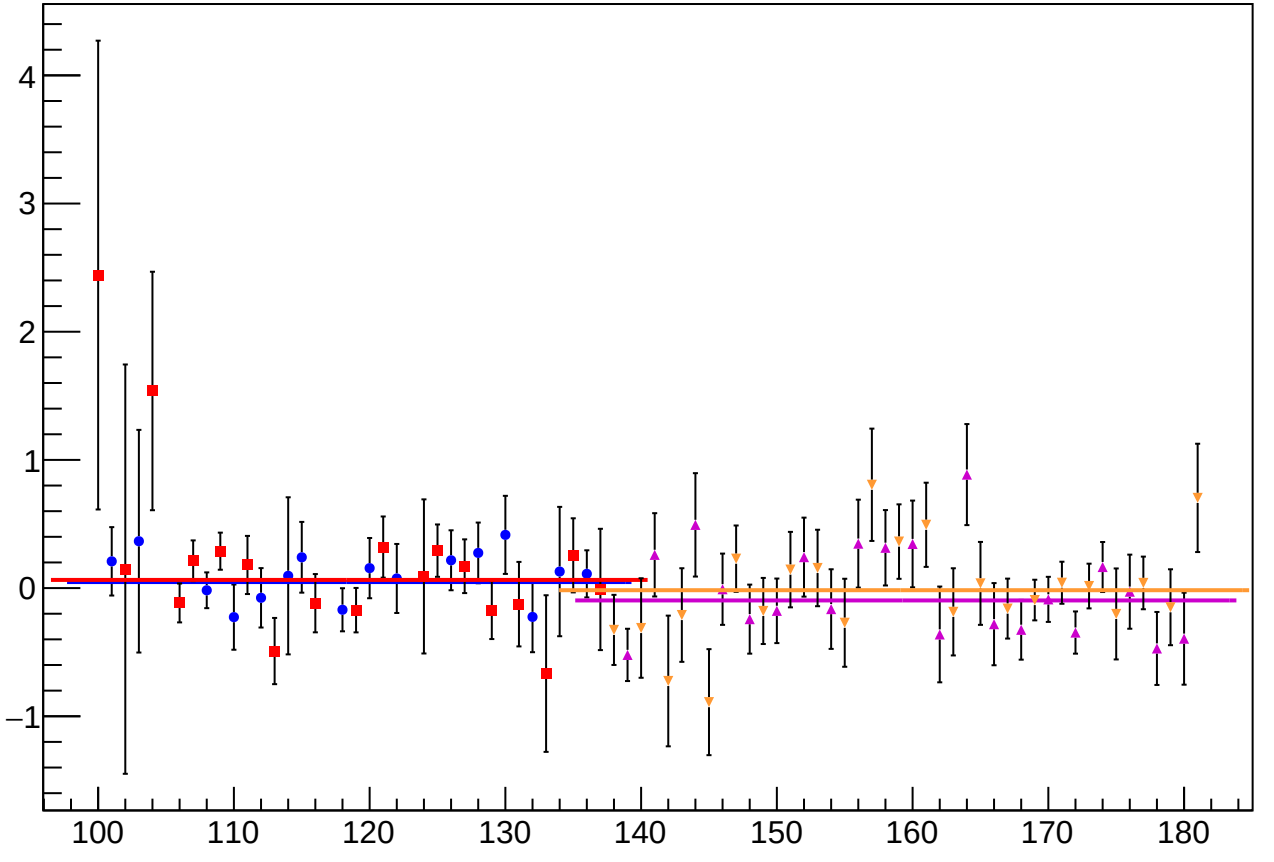
+ sign -0.000+/-0.000 χ^2/NDF: 44.0/38

All: 0.000+/-0.000 χ^2/NDF: 77.7/78

- sign 0.000+/-0.000 χ^2/NDF: 33.5/39


asym_usr_atr2_dd_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: 1729471.8/15
Left Out: 0.000+/-0.000 χ²/NDF:1490241.1/22
Right Out: 0.000+/-0.000 χ²/NDF: 2250342.3/18
Left In: 0.000+/-0.000 χ²/NDF:2762923.1/20
+ sign 0.000+/-0.000 χ²/NDF: 3385314.8/38
All: 0.000+/-0.000 χ²/NDF: 8949169.2/78
- sign 0.000+/-0.000 χ²/NDF: 5295712.2/39

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: -0.017+/-0.056 χ^2/NDF:23.2/22

Right Out: 0.064+/-0.055 χ^2/NDF: 22.2/18

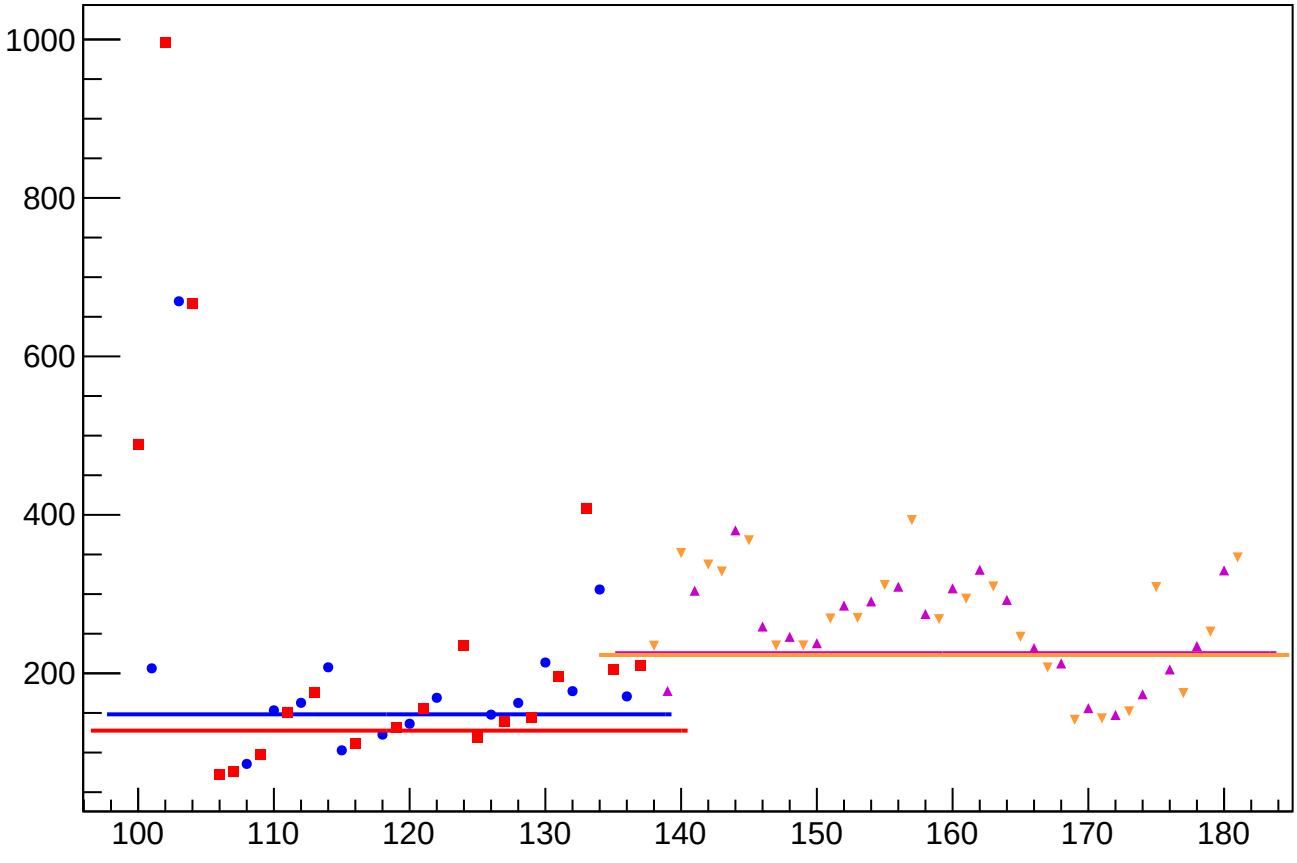
Left In: -0.096+/-0.058 χ^2/NDF:29.3/20

+ sign 0.013+/-0.041 χ^2/NDF: 32.3/38

All: 0.000+/-0.028 χ^2/NDF: 88.1/78

- sign -0.012+/-0.040 χ^2/NDF: 55.6/39

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: 223.154+/-0.040 χ^2/NDF:3324361.6/22

Right Out: 127.685+/-0.039 χ^2/NDF: 2841780.7/18

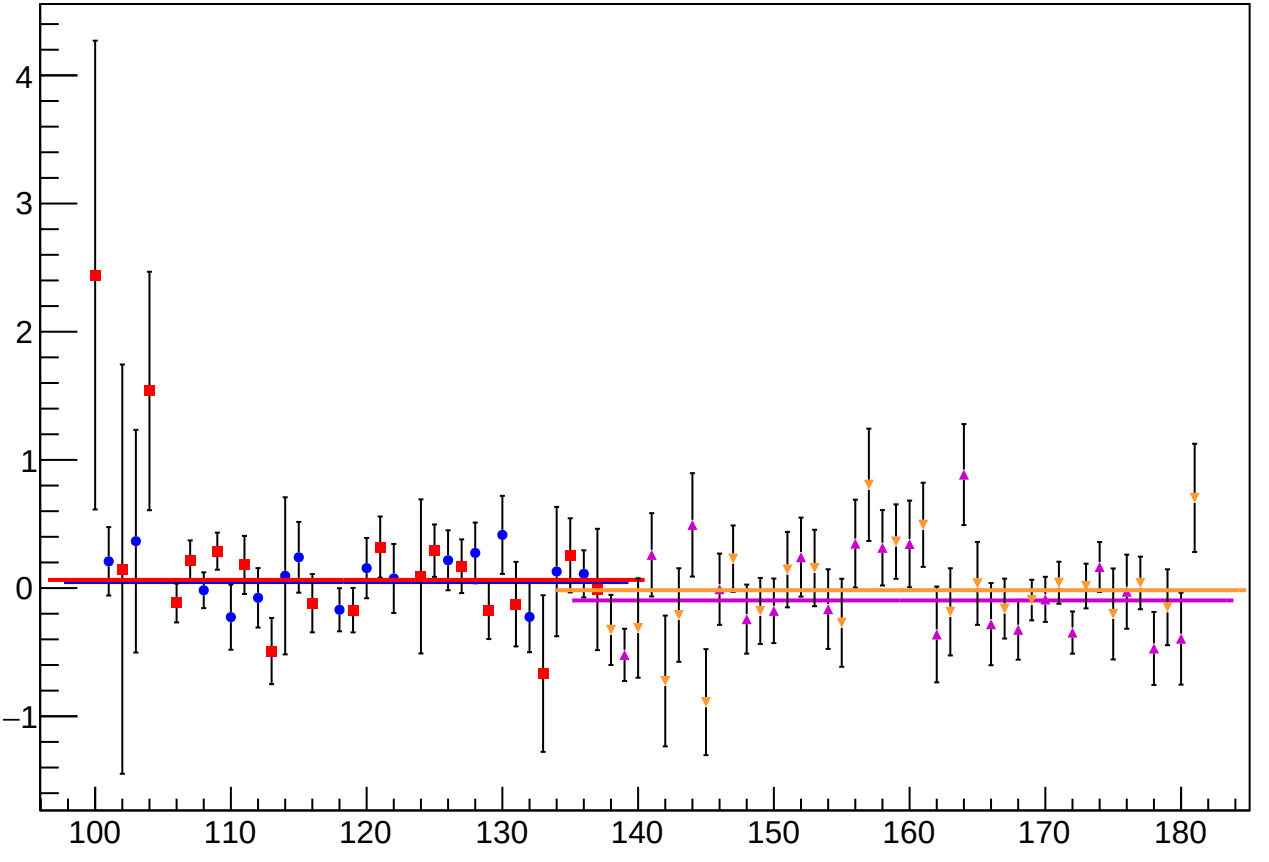
Left In: 225.408+/-0.041 χ^2/NDF:2332921.5/20

+ sign 188.347+/-0.029 χ^2/NDF: 6701978.6/38

All: 180.936+/-0.020 χ^2/NDF: 15031202.8/78

- sign 173.974+/-0.028 χ^2/NDF: 8201987.0/39

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.047+/-0.060 χ^2/NDF: 8.6/15

Left Out: -0.017+/-0.056 χ^2/NDF:23.2/22

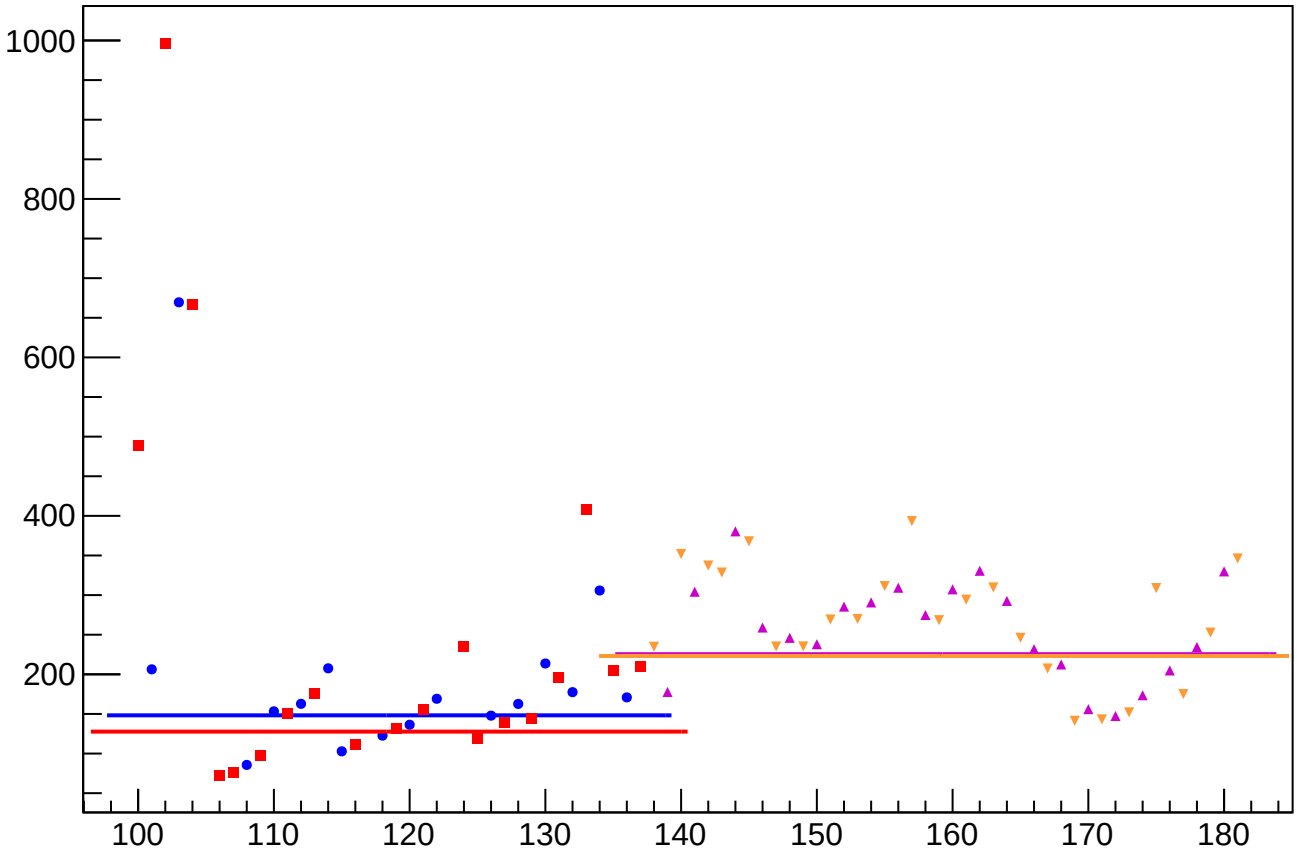
Right Out: 0.064+/-0.055 χ^2/NDF: 22.2/18

Left In: -0.096+/-0.058 χ^2/NDF:29.3/20

+ sign 0.013+/-0.041 χ^2/NDF: 32.3/38

All: 0.000+/-0.028 χ^2/NDF: 88.1/78

- sign -0.012+/-0.040 χ^2/NDF: 55.6/39



Right In: 148.240+/-0.042 χ^2/NDF: 1710035.6/15

Left Out: 223.154+/-0.040 χ^2/NDF:3324361.6/22

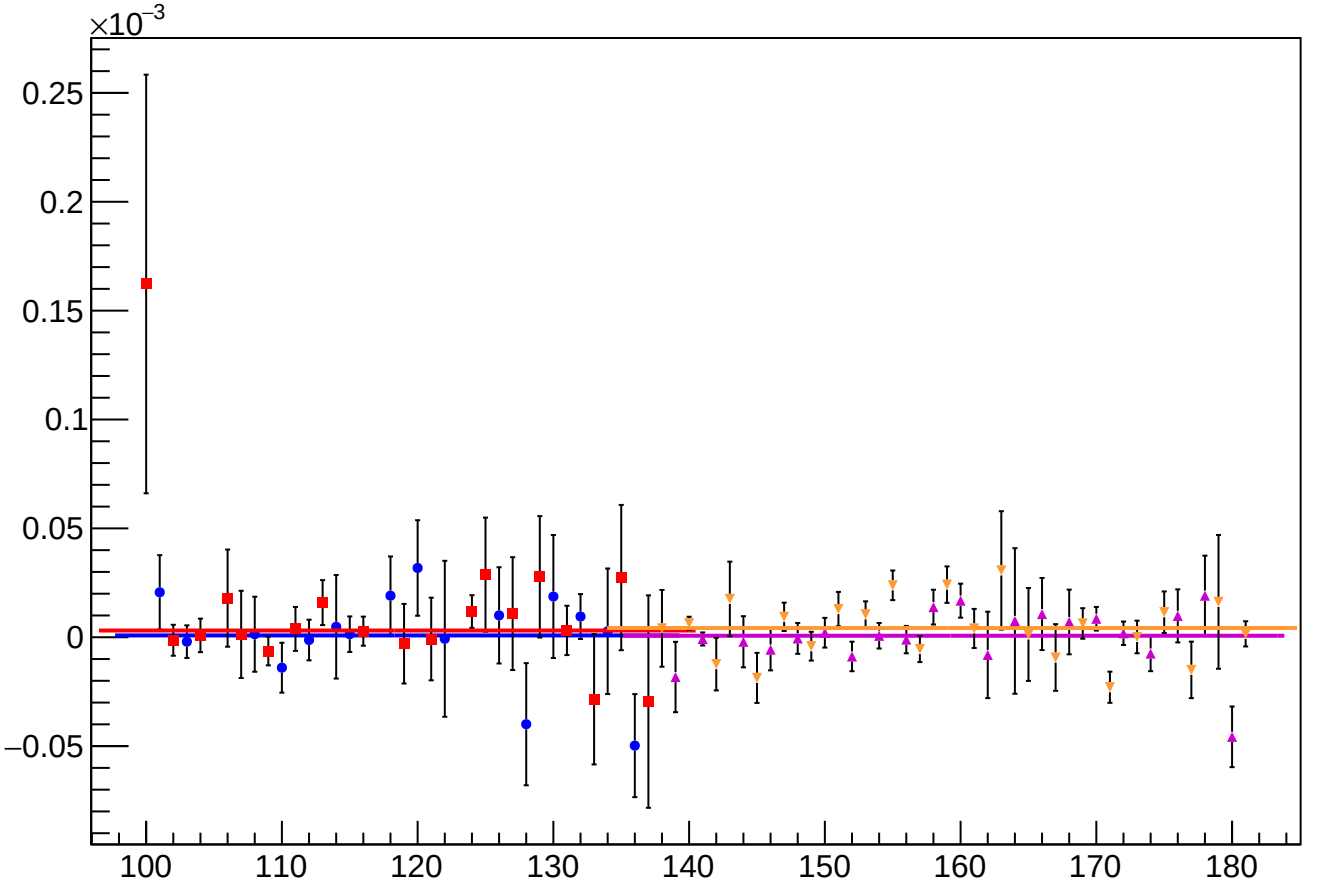
Right Out: 127.685+/-0.039 χ^2/NDF: 2841780.7/18

Left In: 225.408+/-0.041 χ^2/NDF:2332921.5/20

+ sign 188.347+/-0.029 χ^2/NDF: 6701978.6/38

All: 180.936+/-0.020 χ^2/NDF: 15031202.8/78

- sign 173.974+/-0.028 χ^2/NDF: 8201987.0/39



Right In: 0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:47.8/22

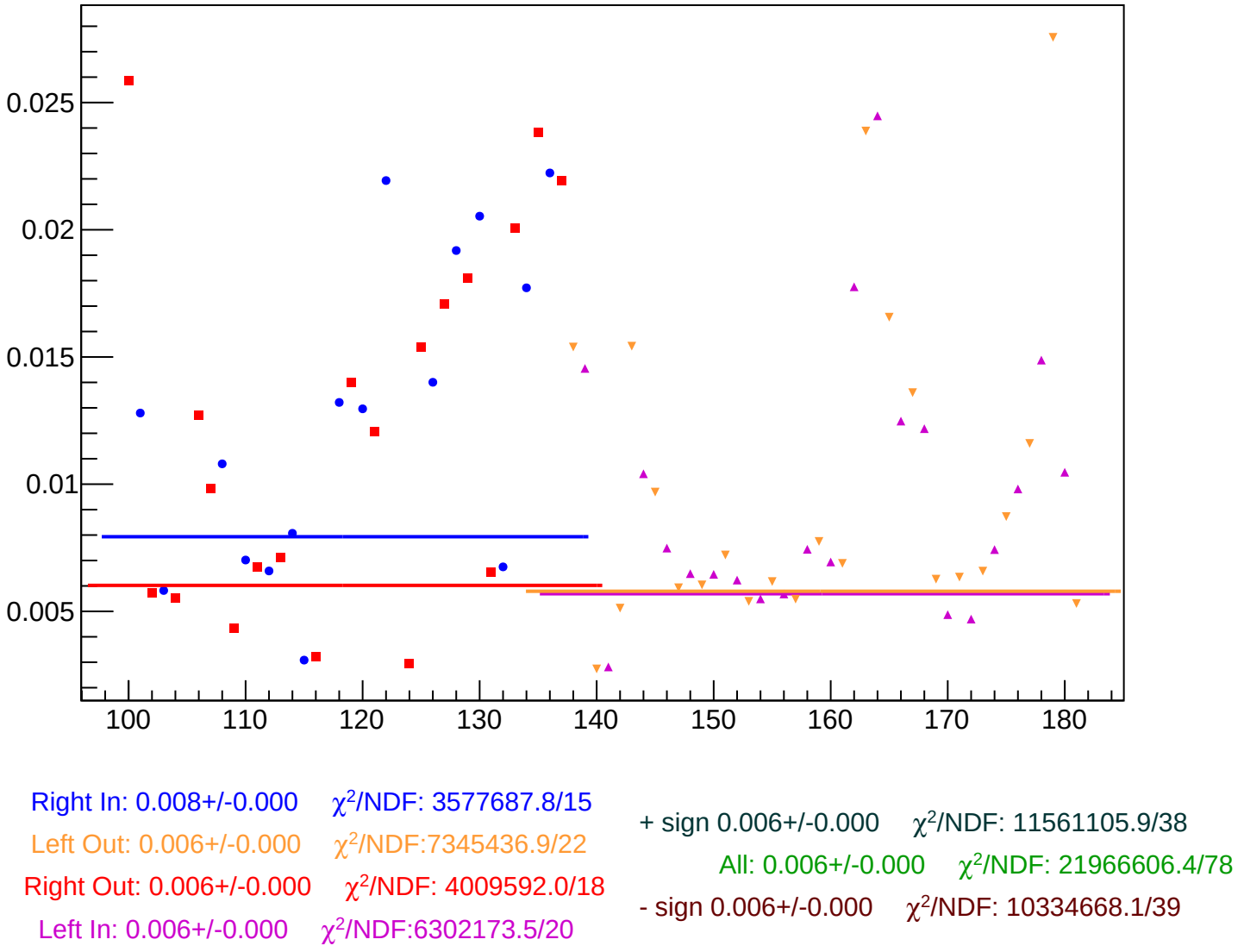
Right Out: 0.000+/-0.000 χ^2/NDF: 12.7/18

Left In: 0.000+/-0.000 χ^2/NDF:27.8/20

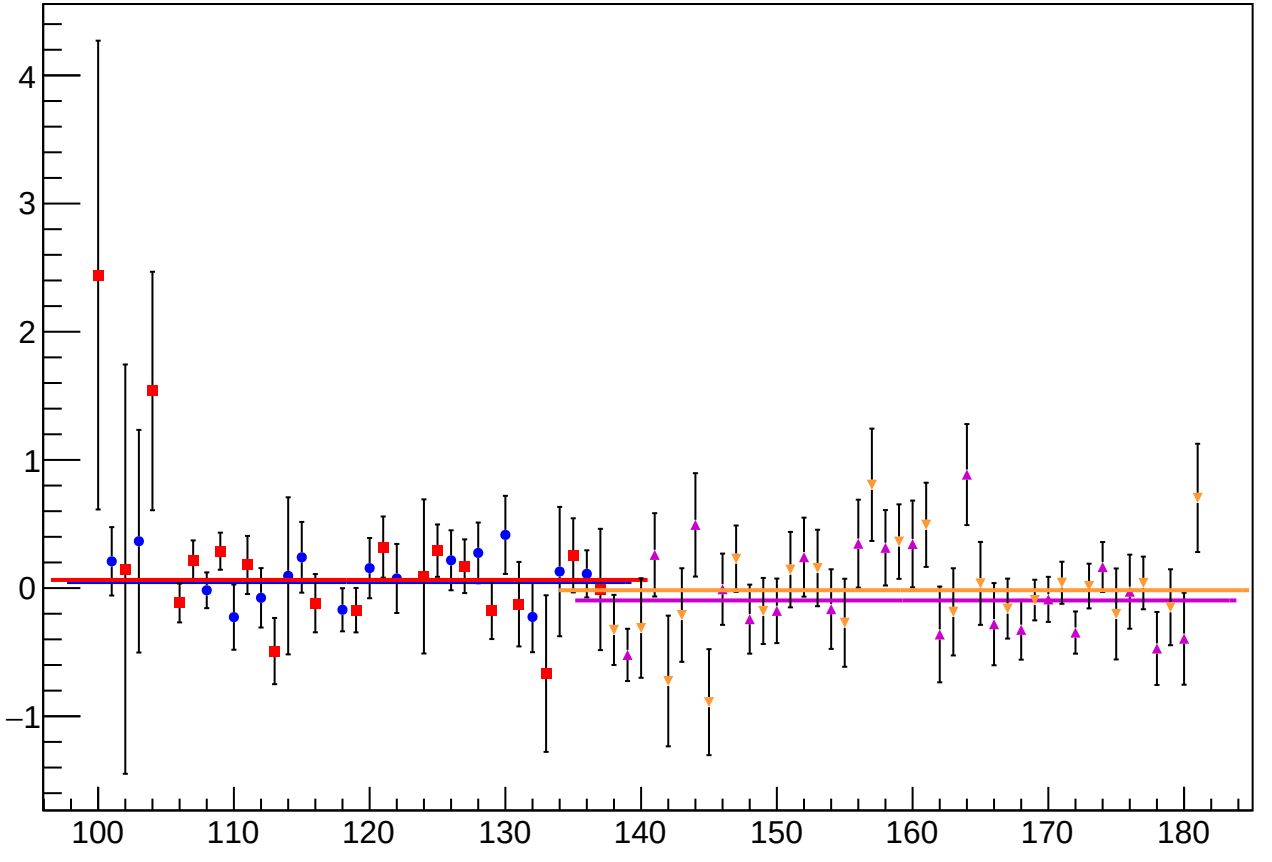
+ sign 0.000+/-0.000 χ^2/NDF: 62.9/38

All: 0.000+/-0.000 χ^2/NDF: 105.4/78

- sign 0.000+/-0.000 χ^2/NDF: 41.1/39


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:7345436.9/22
Right Out: 0.006+/-0.000 χ²/NDF: 4009592.0/18
Left In: 0.006+/-0.000 χ²/NDF:6302173.5/20
+ sign 0.006+/-0.000 χ²/NDF: 11561105.9/38
All: 0.006+/-0.000 χ²/NDF: 21966606.4/78
- sign 0.006+/-0.000 χ²/NDF: 10334668.1/39

asym_usr_atr2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.047+/-0.060 χ^2/NDF: 8.6/15

Left Out: -0.017+/-0.056 χ^2/NDF:23.2/22

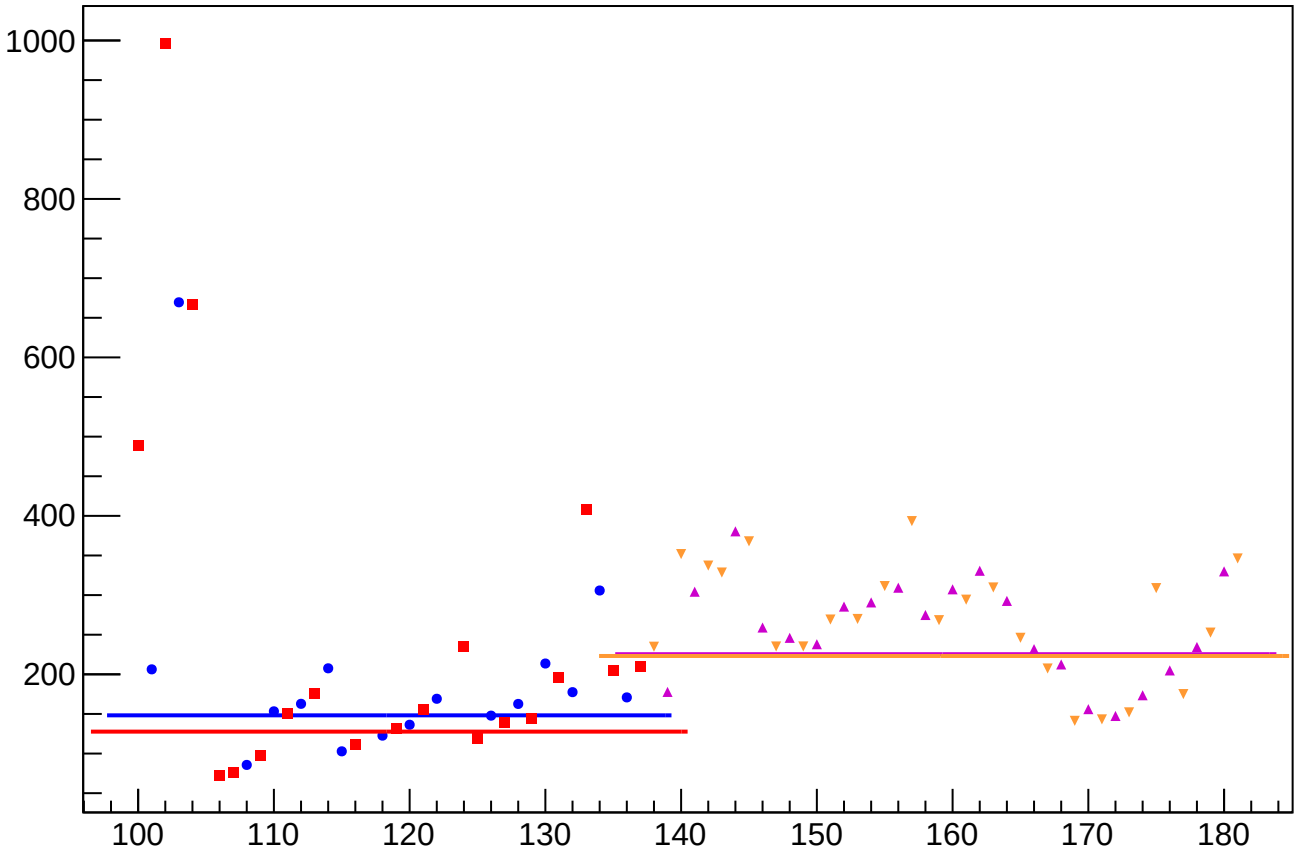
Right Out: 0.064+/-0.055 χ^2/NDF: 22.2/18

Left In: -0.096+/-0.058 χ^2/NDF:29.3/20

+ sign 0.013+/-0.041 χ^2/NDF: 32.3/38

All: 0.000+/-0.028 χ^2/NDF: 88.1/78

- sign -0.012+/-0.040 χ^2/NDF: 55.6/39



Right In: 148.238+/-0.042 χ^2/NDF: 1710114.4/15

Left Out: 223.155+/-0.040 χ^2/NDF:3324467.9/22

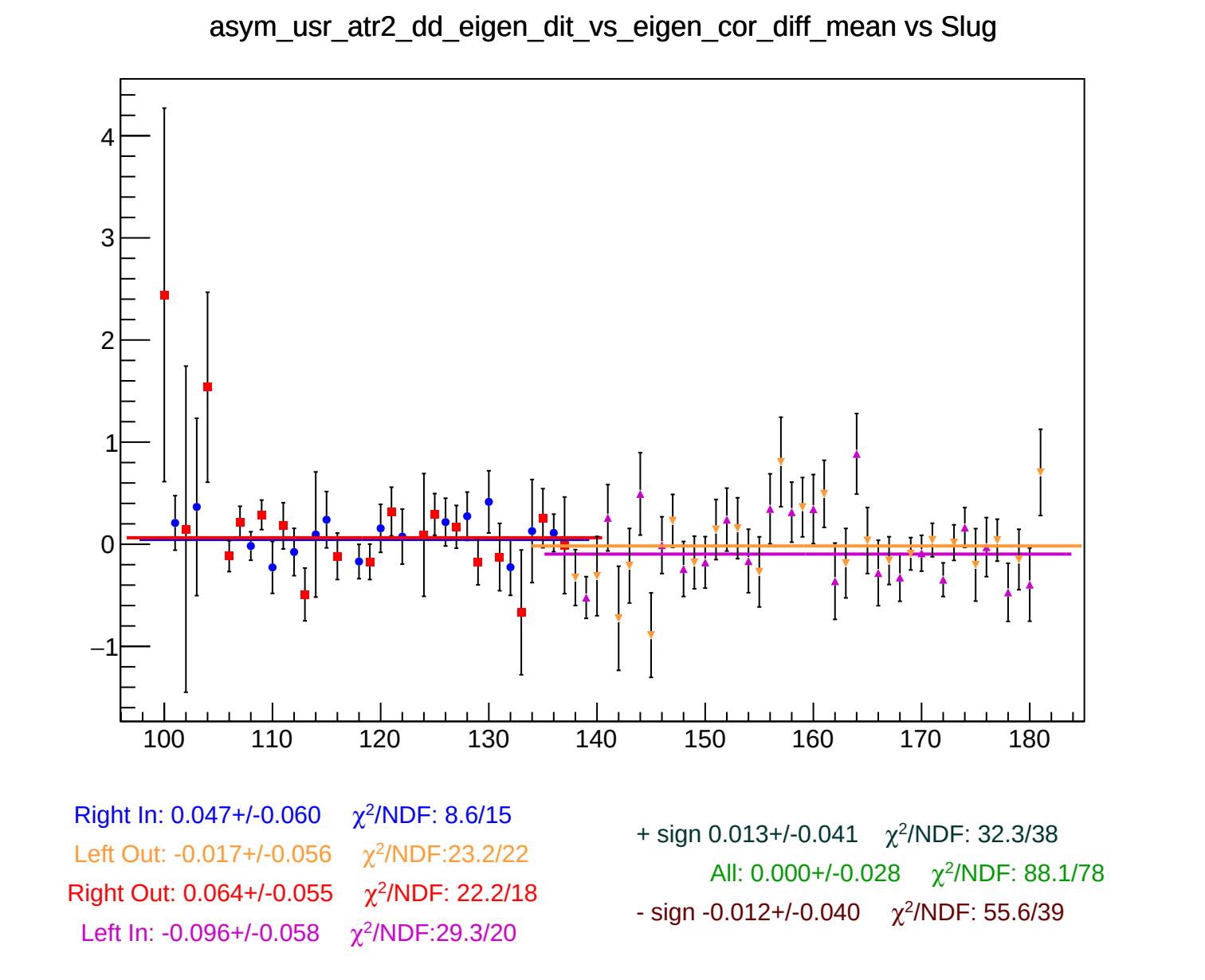
Right Out: 127.685+/-0.039 χ^2/NDF: 2841772.5/18

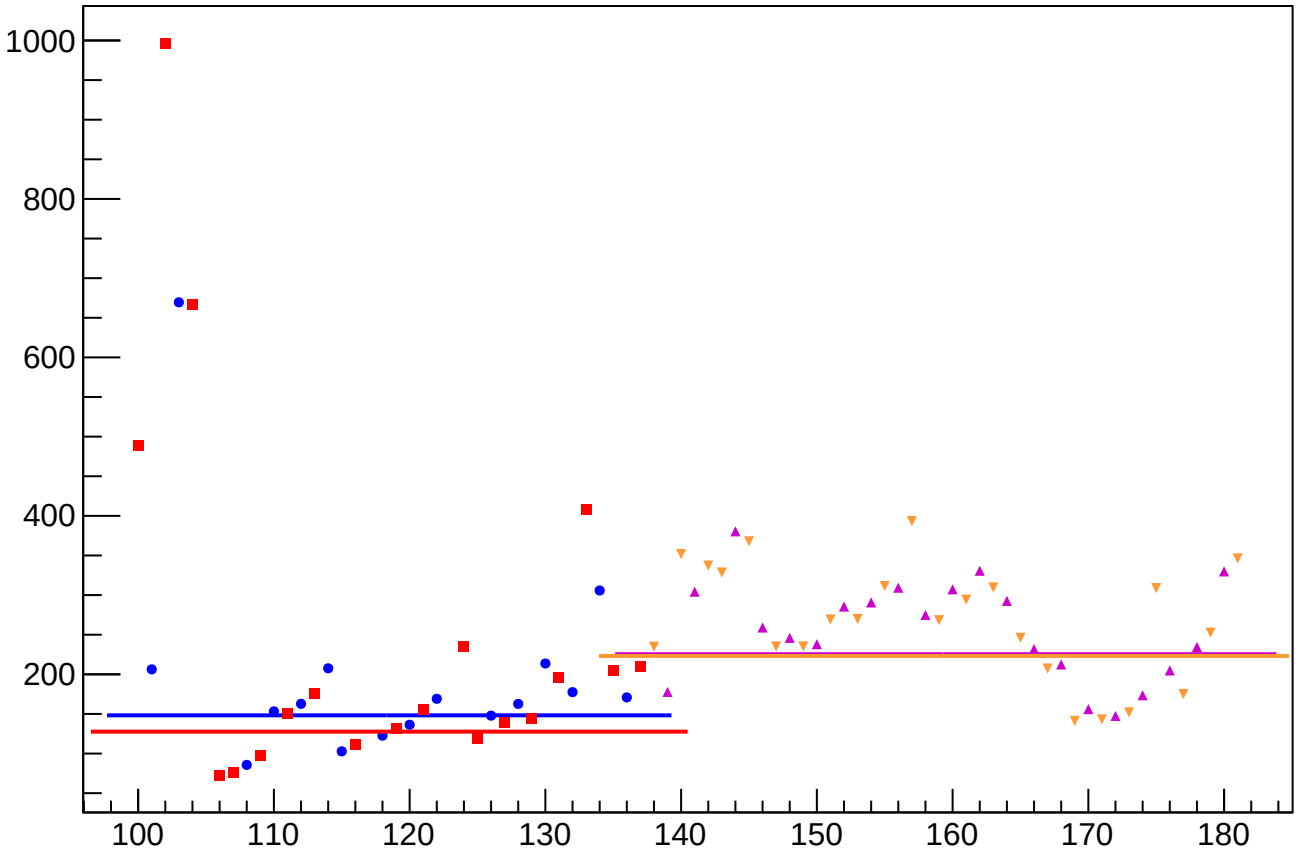
Left In: 225.410+/-0.041 χ^2/NDF:2332962.9/20

+ sign 188.346+/-0.029 χ^2/NDF: 6702335.2/38

All: 180.936+/-0.020 χ^2/NDF: 15031632.4/78

- sign 173.974+/-0.028 χ^2/NDF: 8202089.8/39


asym_usr_atr2_dd_eigen_dit_vs_eigen_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: -0.017+/-0.056 χ²/NDF:23.2/22
Right Out: 0.064+/-0.055 χ²/NDF: 22.2/18
Left In: -0.096+/-0.058 χ²/NDF:29.3/20
+ sign 0.013+/-0.041 χ²/NDF: 32.3/38
All: 0.000+/-0.028 χ²/NDF: 88.1/78
- sign -0.012+/-0.040 χ²/NDF: 55.6/39



Right In: 148.238+/-0.042 χ^2/NDF: 1710114.4/15

Left Out: 223.155+/-0.040 χ^2/NDF:3324467.9/22

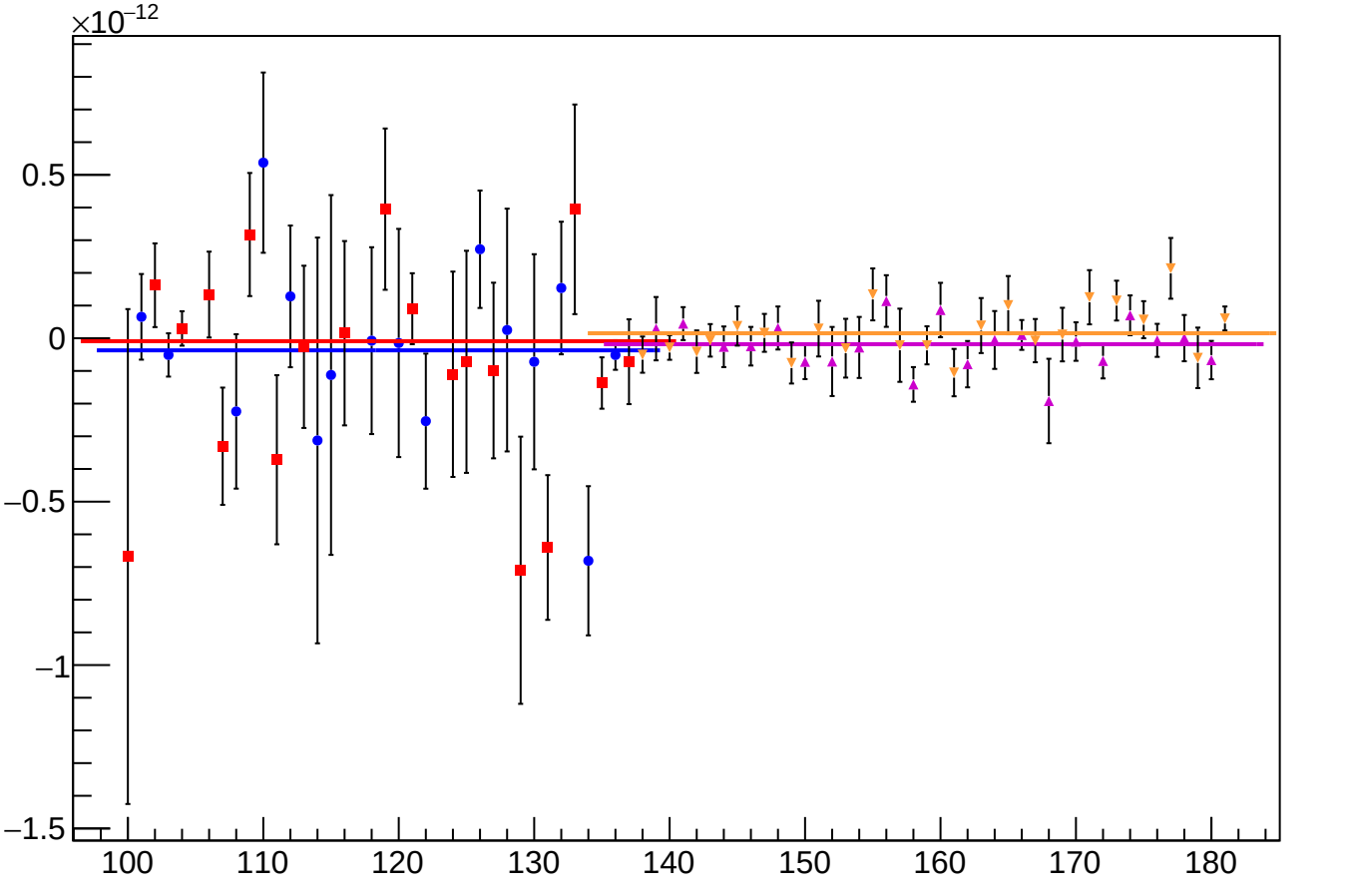
Right Out: 127.685+/-0.039 χ^2/NDF: 2841772.5/18

Left In: 225.410+/-0.041 χ^2/NDF:2332962.9/20

+ sign 188.346+/-0.029 χ^2/NDF: 6702335.2/38

All: 180.936+/-0.020 χ^2/NDF: 15031632.4/78

- sign 173.974+/-0.028 χ^2/NDF: 8202089.8/39



Right In: -0.000+/-0.000 χ^2/NDF: 19.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:24.6/22

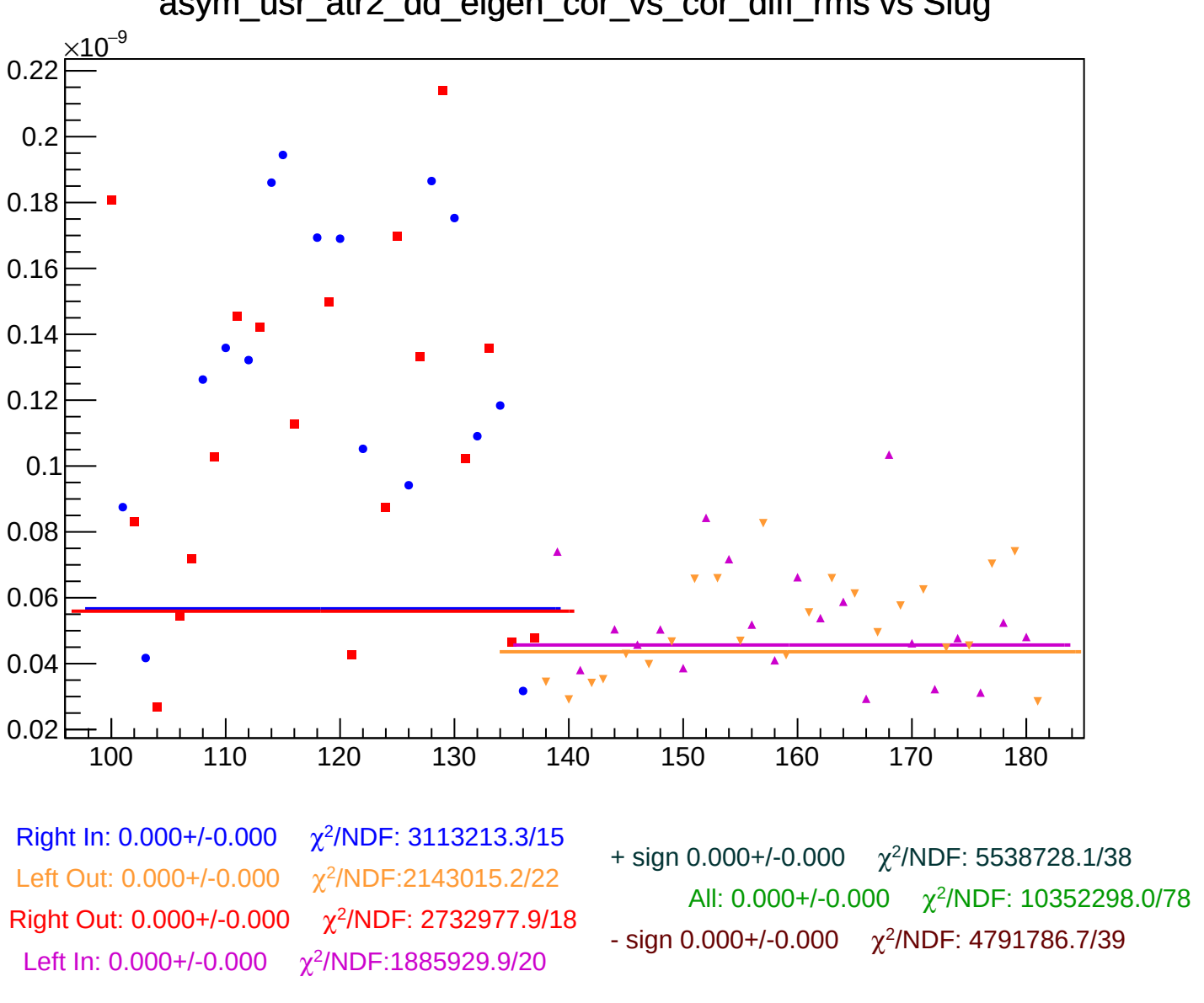
Right Out: -0.000+/-0.000 χ^2/NDF: 31.8/18

Left In: -0.000+/-0.000 χ^2/NDF:20.2/20

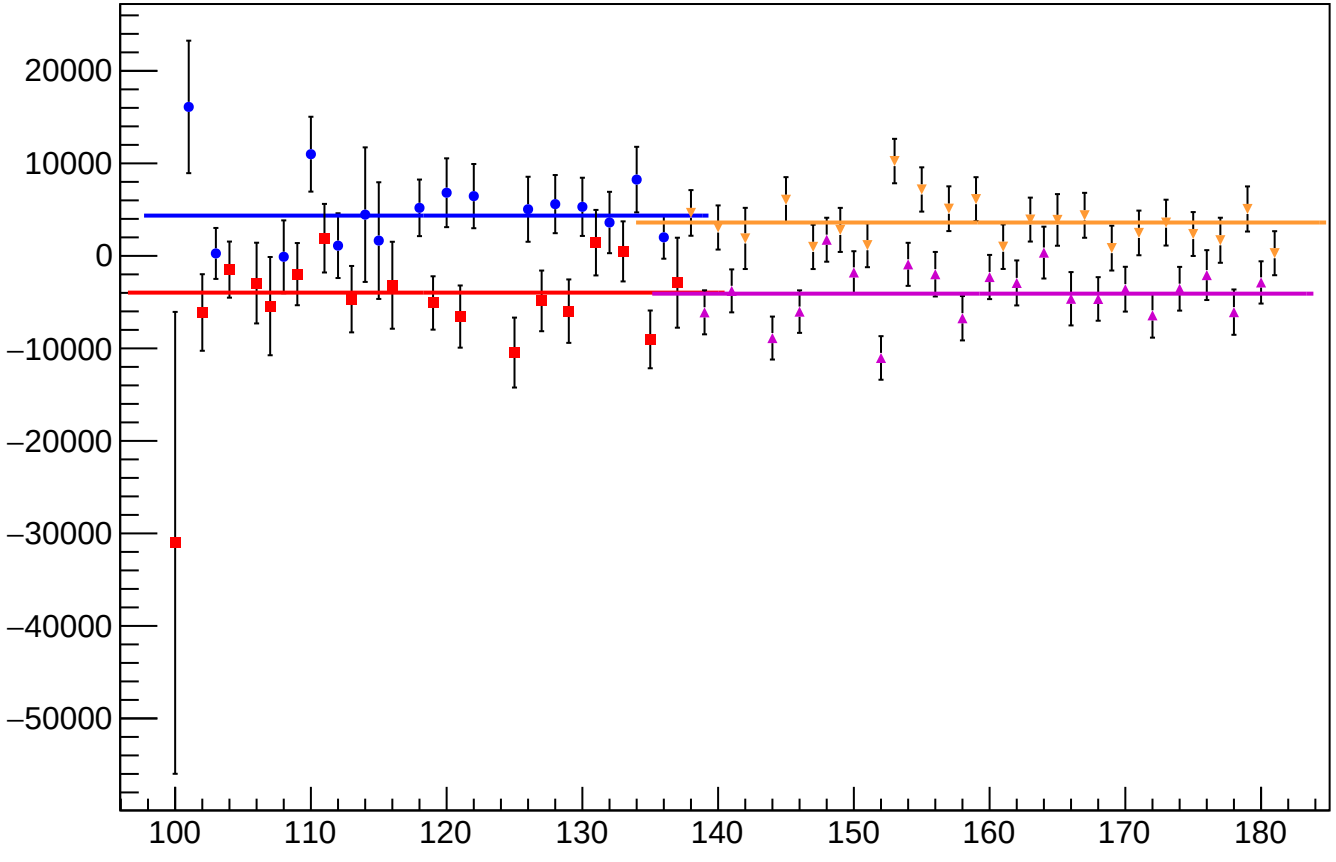
+ sign 0.000+/-0.000 χ^2/NDF: 46.3/38

All: -0.000+/-0.000 χ^2/NDF: 100.3/78

- sign -0.000+/-0.000 χ^2/NDF: 52.1/39


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:2143015.2/22
Right Out: 0.000+/-0.000 χ²/NDF: 2732977.9/18
Left In: 0.000+/-0.000 χ²/NDF:1885929.9/20
+ sign 0.000+/-0.000 χ²/NDF: 5538728.1/38
All: 0.000+/-0.000 χ²/NDF: 10352298.0/78
- sign 0.000+/-0.000 χ²/NDF: 4791786.7/39

reg_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4354.350+/-875.155 χ^2/NDF: 13.4/15

Left Out: 3607.031+/-522.388 χ^2/NDF:21.3/21

Right Out: -3971.679+/-871.305 χ^2/NDF: 16.2/17

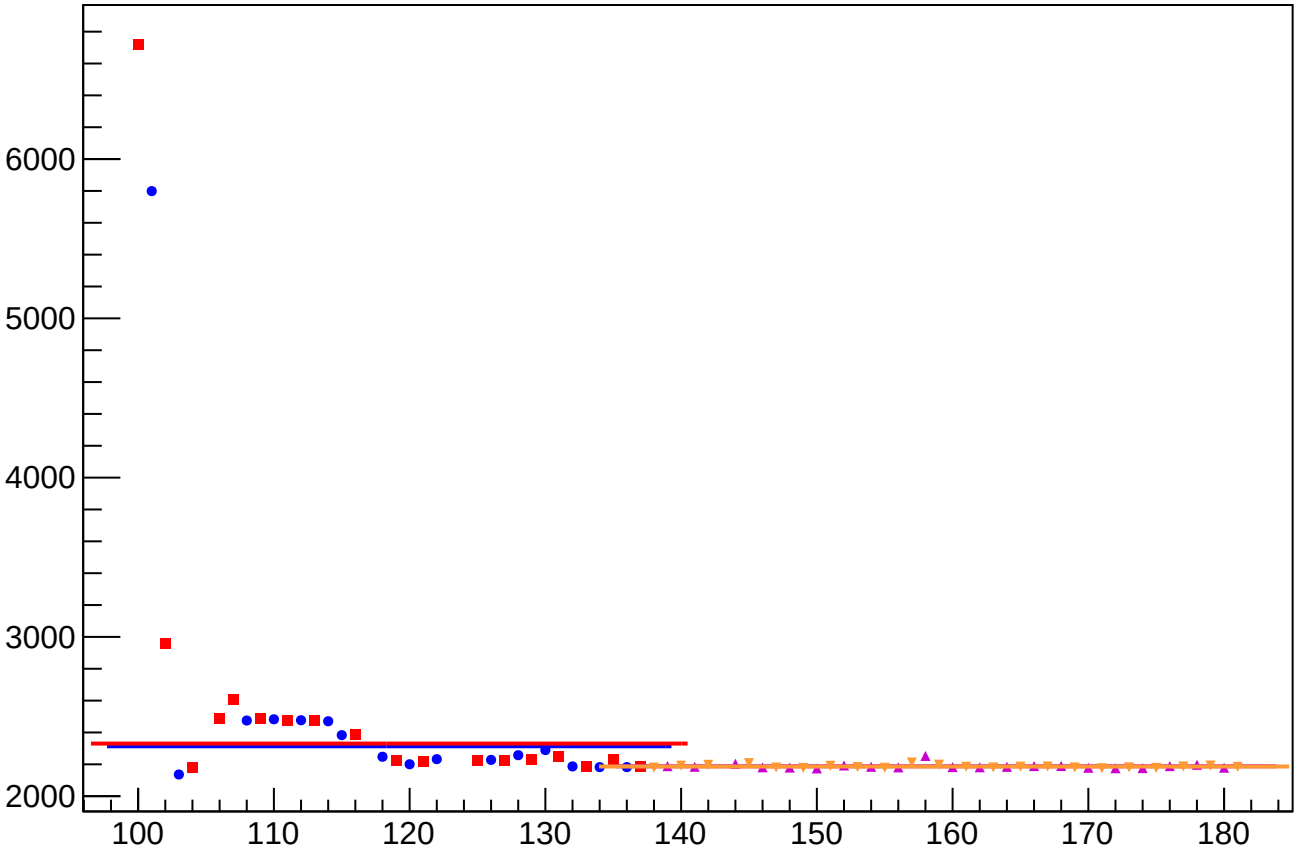
Left In: -4083.188+/-526.707 χ^2/NDF:31.2/20

+ sign 3803.352+/-448.555 χ^2/NDF: 35.2/37

All: -105.822+/-317.949 χ^2/NDF: 235.3/76

- sign -4053.345+/-450.749 χ^2/NDF: 47.4/38

reg_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2313.413+/-0.619 χ^2/NDF: 512371.8/15

Left Out: 2186.275+/-0.369 χ^2/NDF:648.8/21

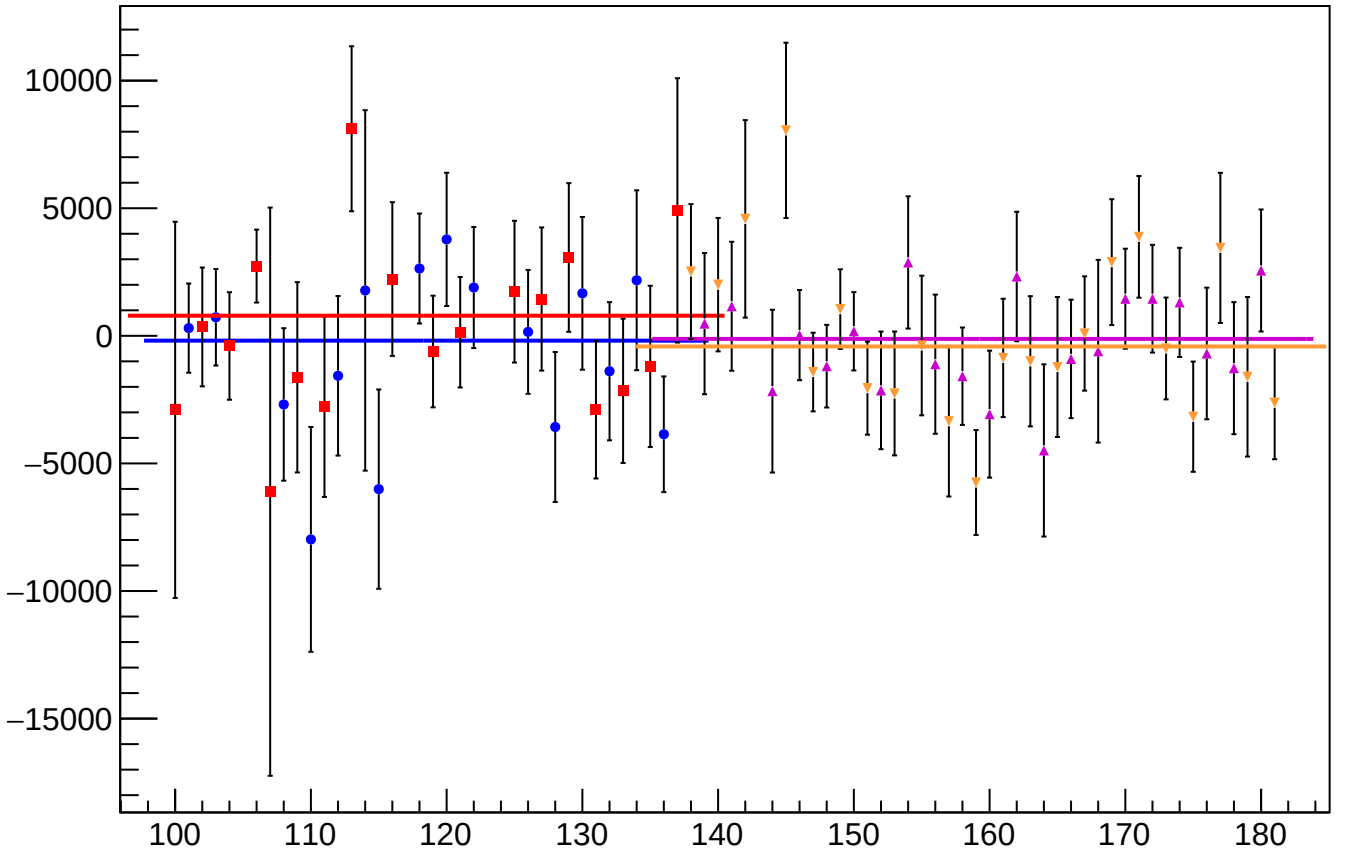
Right Out: 2330.200+/-0.616 χ^2/NDF: 151210.5/17

Left In: 2187.845+/-0.372 χ^2/NDF:1919.1/20

+ sign 2219.674+/-0.317 χ^2/NDF: 544141.7/37

All: 2222.793+/-0.225 χ^2/NDF: 736565.5/76

- sign 2225.943+/-0.319 χ^2/NDF: 192229.4/38



Right In: -188.660+/-658.334 χ^2/NDF: 16.4/15

Left Out: -417.172+/-492.175 χ^2/NDF:30.0/21

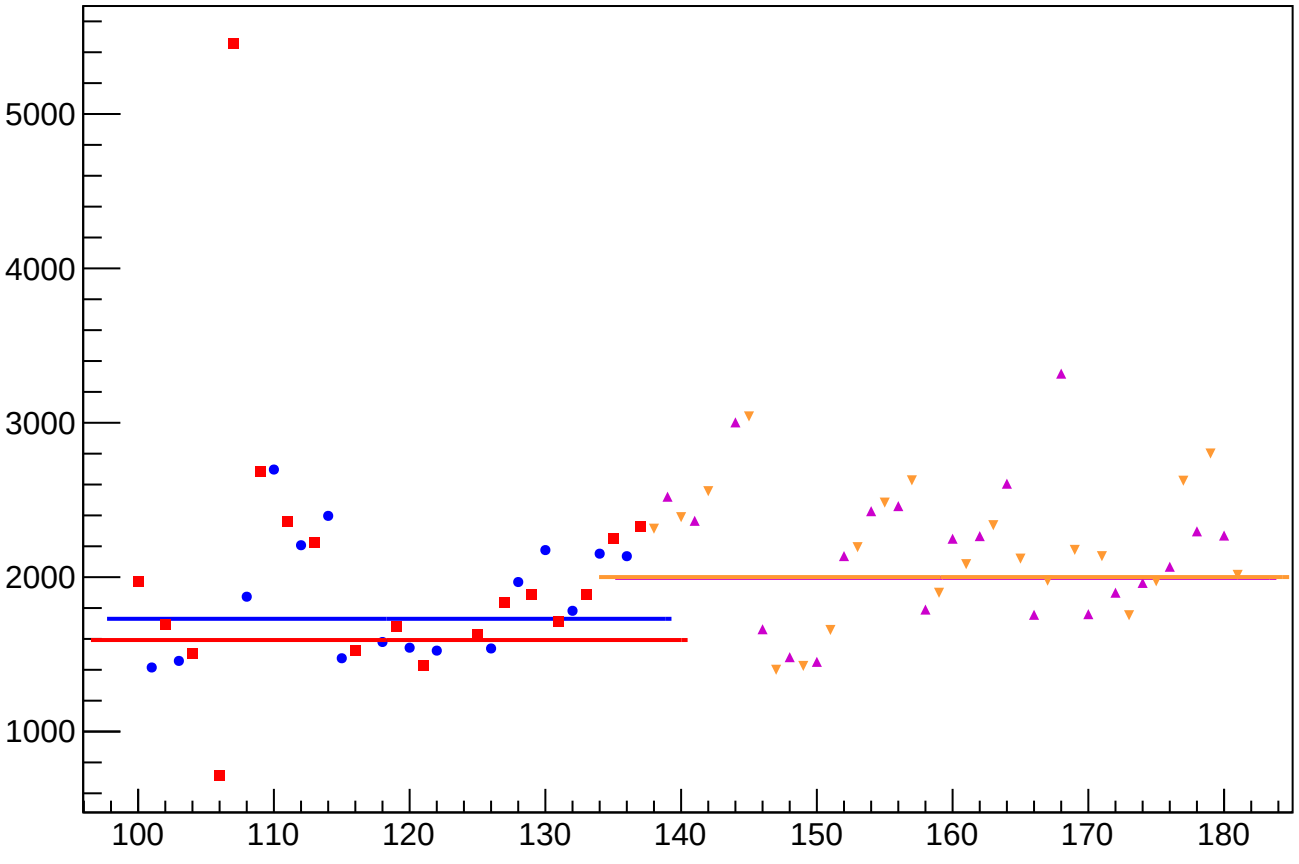
Right Out: 789.317+/-634.900 χ^2/NDF: 14.9/17

Left In: -120.220+/-493.598 χ^2/NDF:11.3/20

+ sign -335.244+/-394.193 χ^2/NDF: 46.5/37

All: -53.205+/-277.129 χ^2/NDF: 75.0/76

- sign 222.421+/-389.686 χ^2/NDF: 27.5/38



Right In: 1730.288+/-0.466 χ^2/NDF: 478932.0/15

Left Out: 2000.623+/-0.348 χ^2/NDF:1423390.9/21

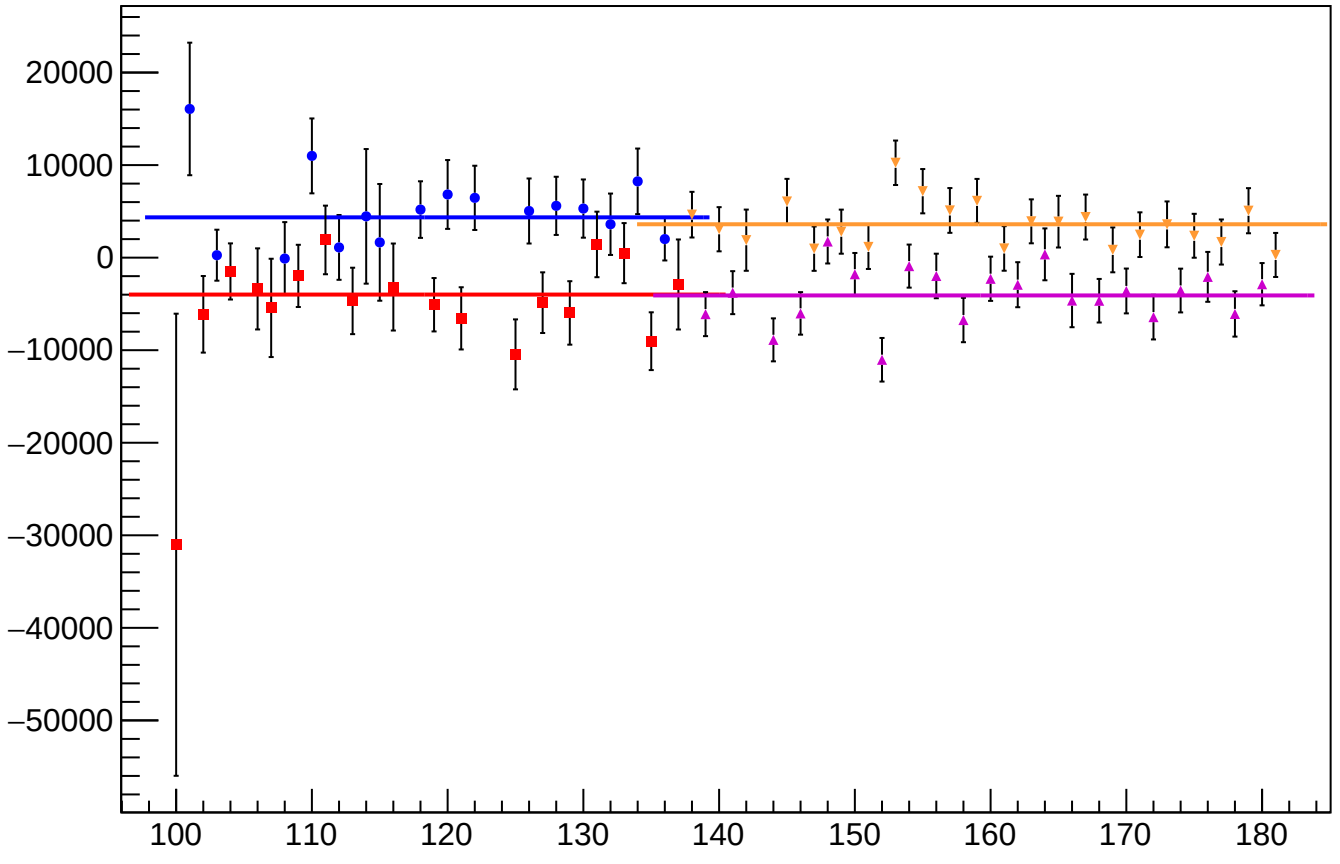
Right Out: 1592.824+/-0.449 χ^2/NDF: 1556204.8/17

Left In: 1995.215+/-0.349 χ^2/NDF:1473633.6/20

+ sign 1903.700+/-0.279 χ^2/NDF: 2118653.9/37

All: 1873.317+/-0.196 χ^2/NDF: 5672706.9/76

- sign 1843.626+/-0.276 χ^2/NDF: 3530561.1/38



Right In: 4353.670+/-875.155 χ^2/NDF: 13.4/15

Left Out: 3607.004+/-522.388 χ^2/NDF:21.3/21

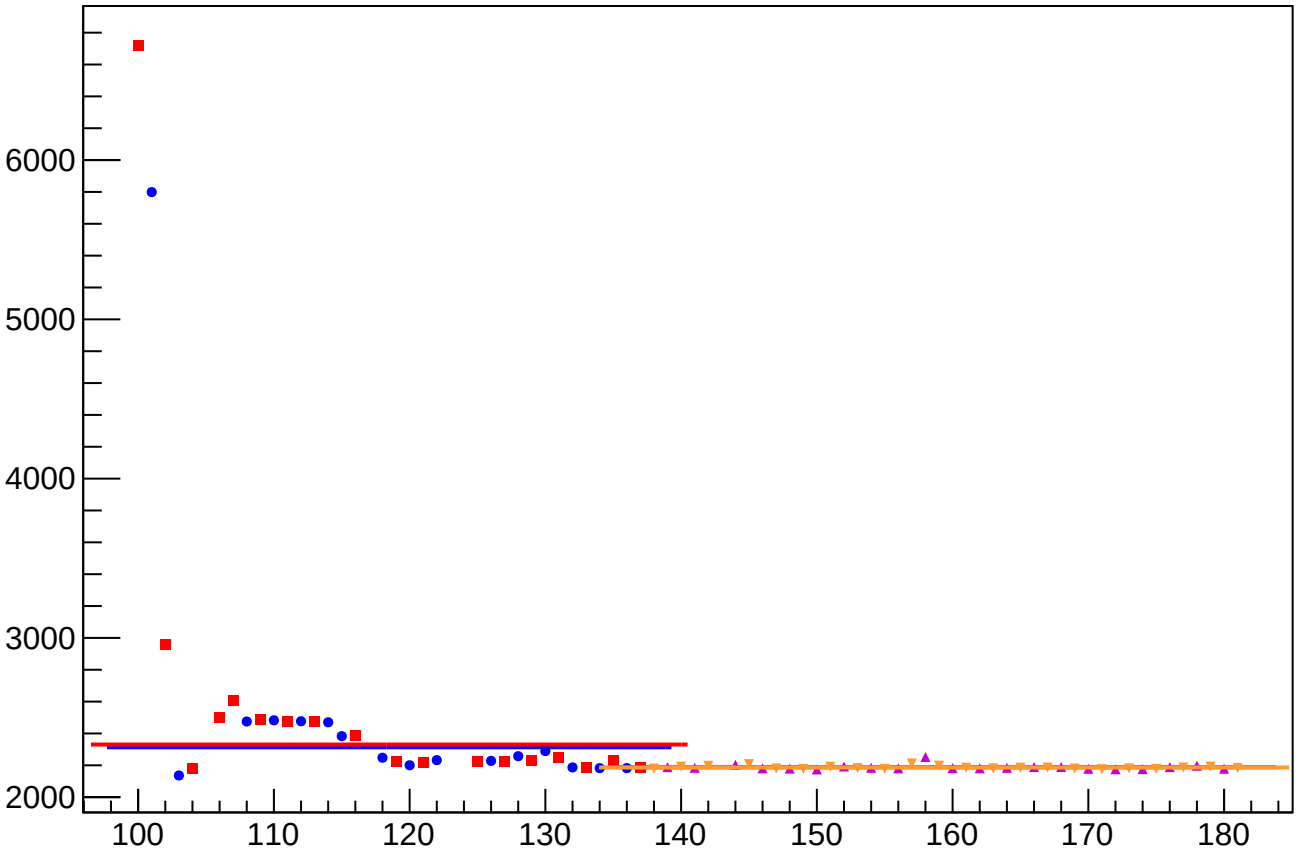
Right Out: -3989.884+/-871.455 χ^2/NDF: 16.1/17

Left In: -4083.300+/-526.707 χ^2/NDF:31.2/20

+ sign 3803.153+/-448.555 χ^2/NDF: 35.2/37

All: -108.209+/-317.957 χ^2/NDF: 235.4/76

- sign -4058.306+/-450.770 χ^2/NDF: 47.4/38



Right In: 2313.413+/-0.619 χ^2/NDF: 512372.3/15

Left Out: 2186.275+/-0.369 χ^2/NDF:648.8/21

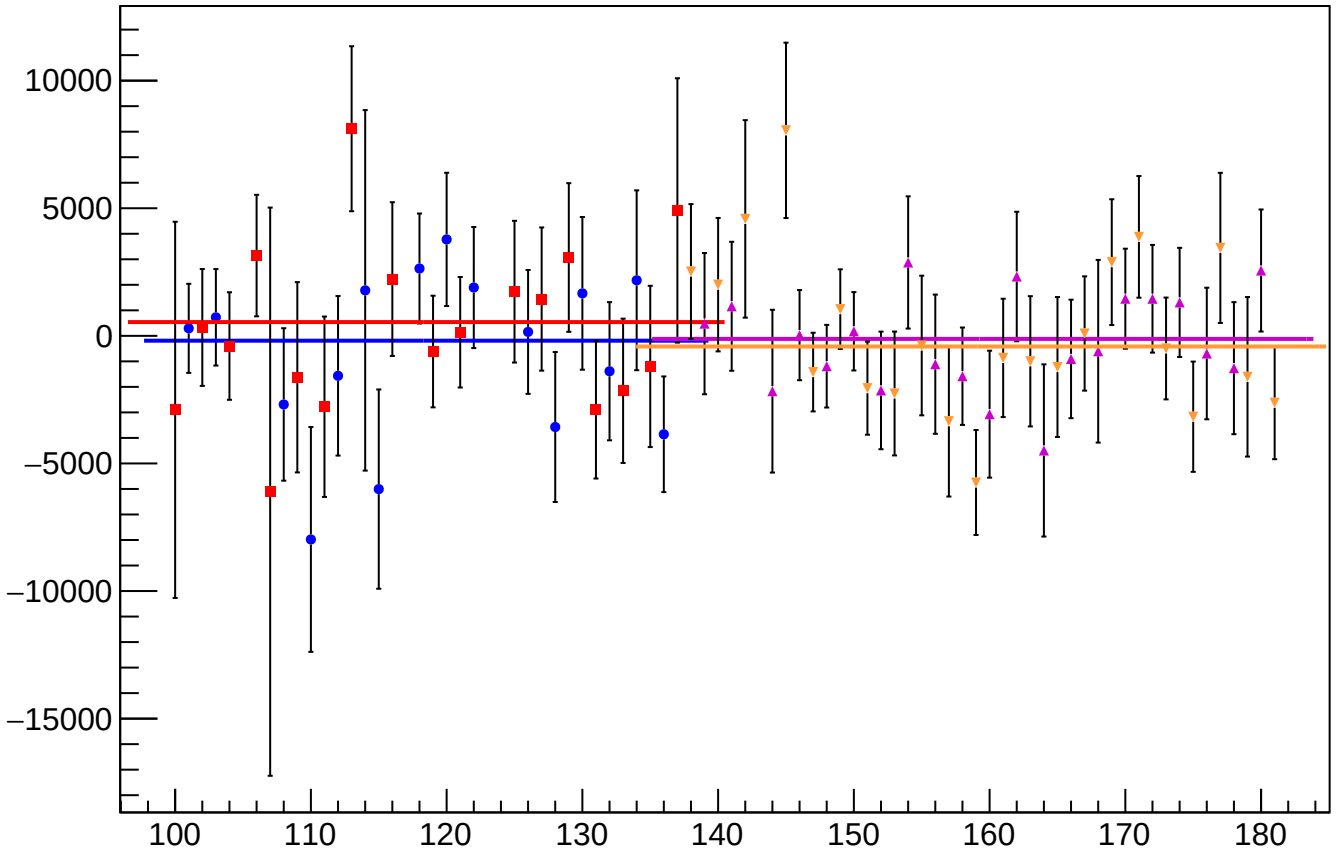
Right Out: 2330.570+/-0.616 χ^2/NDF: 151556.6/17

Left In: 2187.845+/-0.372 χ^2/NDF:1919.1/20

+ sign 2219.674+/-0.317 χ^2/NDF: 544142.1/37

All: 2222.838+/-0.225 χ^2/NDF: 737110.8/76

- sign 2226.032+/-0.319 χ^2/NDF: 192768.7/38



Right In: -189.762+/-658.205 χ^2/NDF: 16.4/15

Left Out: -417.223+/-492.174 χ^2/NDF:30.0/21

Right Out: 539.517+/-678.214 χ^2/NDF: 13.9/17

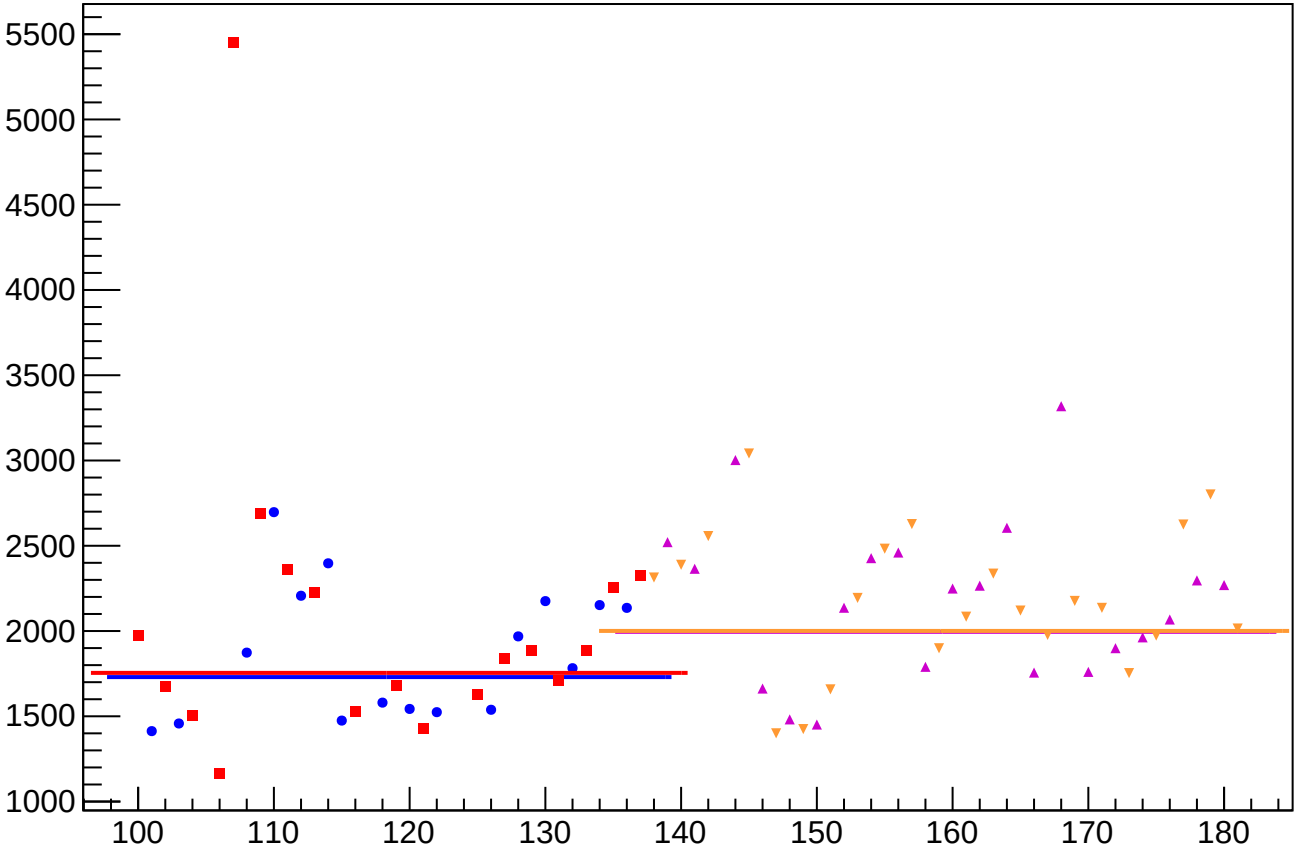
Left In: -120.317+/-493.600 χ^2/NDF:11.3/20

+ sign -335.651+/-394.164 χ^2/NDF: 46.5/37

All: -116.501+/-280.443 χ^2/NDF: 73.0/76

- sign 108.163+/-399.093 χ^2/NDF: 25.8/38

asym_us_avg_at1lr_avg_avg_cor_correction_rms vs Slug



Right In: 1729.898+/-0.465 χ^2/NDF: 479898.2/15

Left Out: 2000.617+/-0.348 χ^2/NDF:1423444.3/21

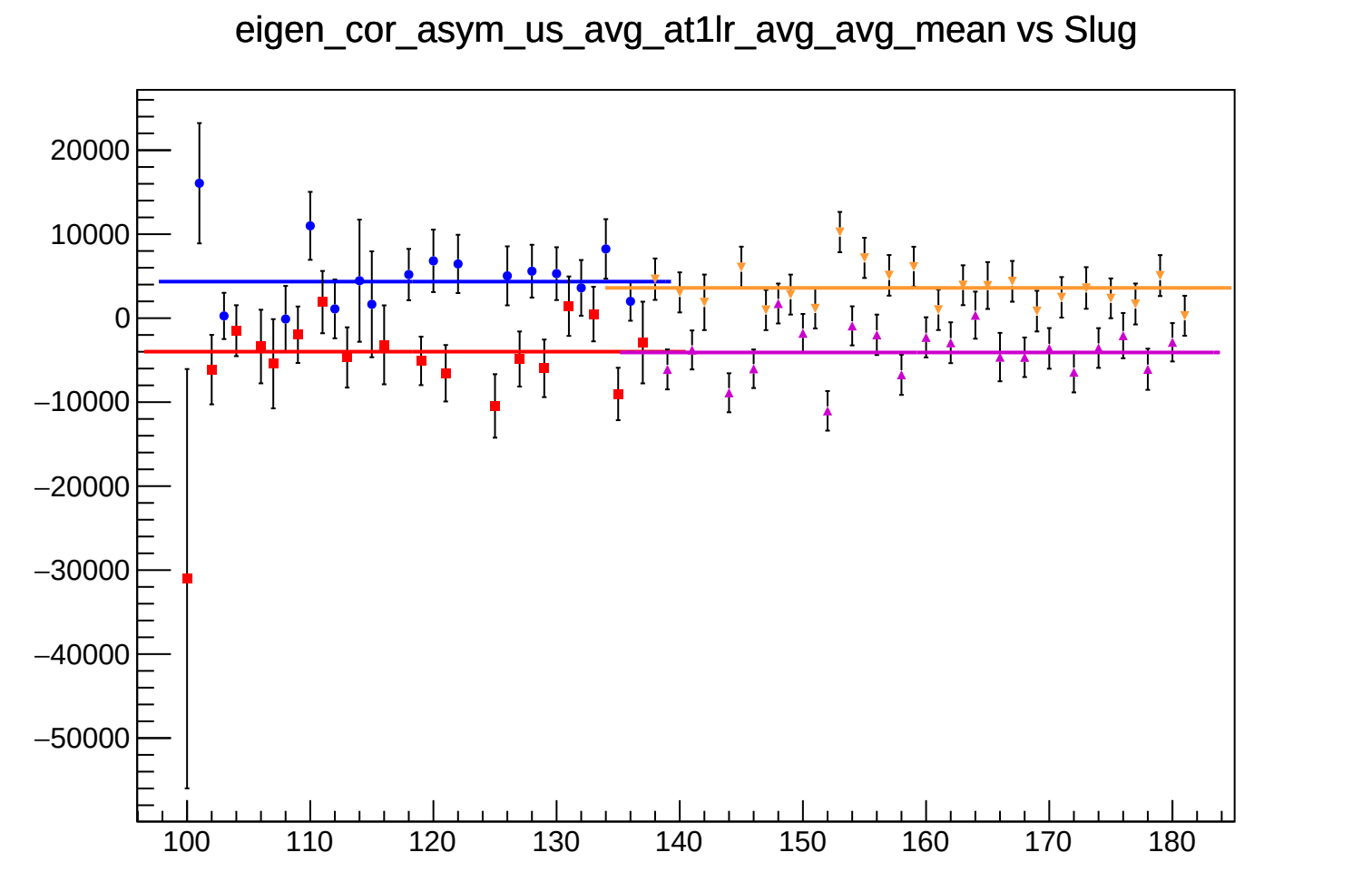
Right Out: 1754.526+/-0.480 χ^2/NDF: 751010.0/17

Left In: 1995.220+/-0.349 χ^2/NDF:1473654.5/20

+ sign 1903.532+/-0.279 χ^2/NDF: 2120343.7/37

All: 1907.652+/-0.198 χ^2/NDF: 4510124.2/76

- sign 1911.875+/-0.282 χ^2/NDF: 2389338.1/38



Right In: 4353.670+/-875.155 χ^2/NDF: 13.4/15

Left Out: 3607.004+/-522.388 χ^2/NDF:21.3/21

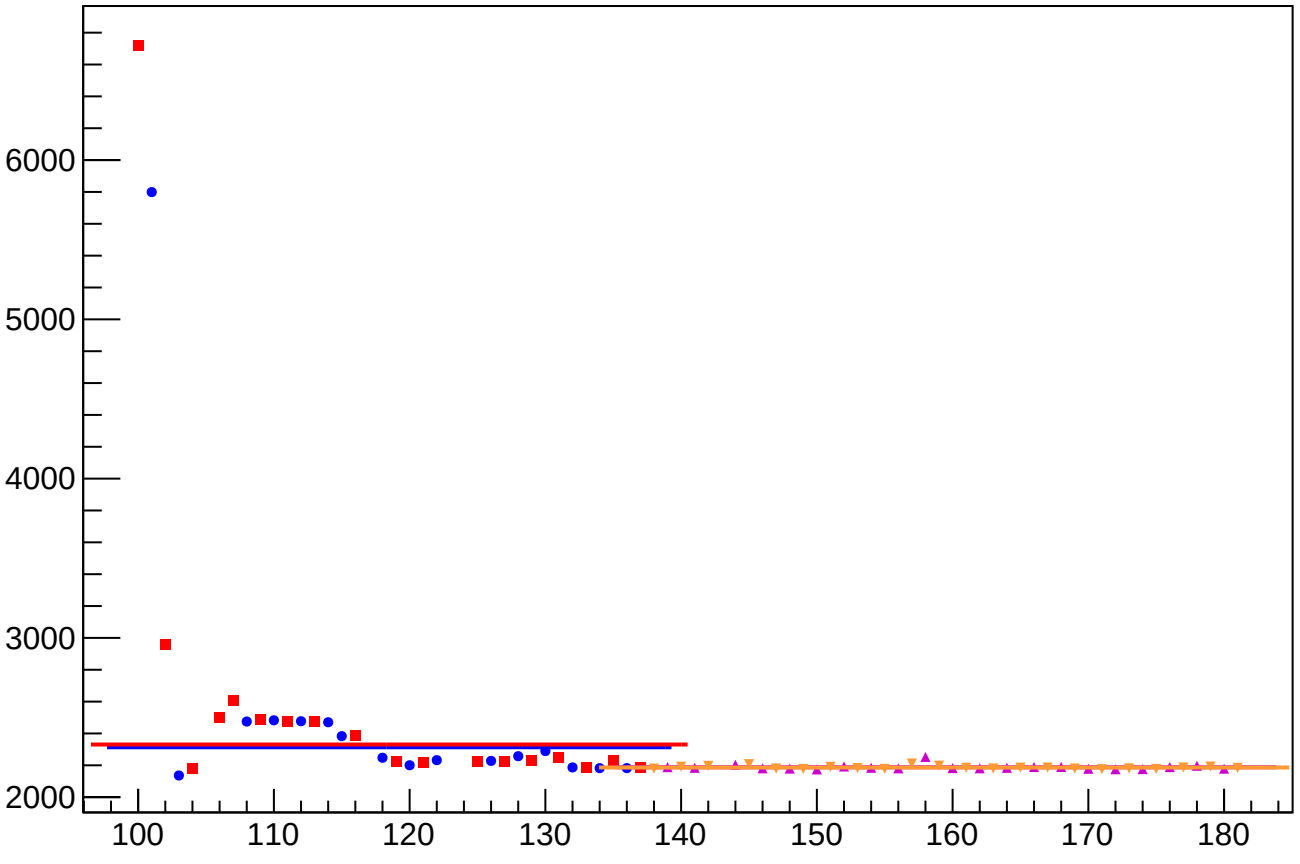
Right Out: -3989.884+/-871.455 χ^2/NDF: 16.1/17

Left In: -4083.300+/-526.707 χ^2/NDF:31.2/20

+ sign 3803.153+/-448.555 χ^2/NDF: 35.2/37

All: -108.209+/-317.957 χ^2/NDF: 235.4/76

- sign -4058.306+/-450.770 χ^2/NDF: 47.4/38



Right In: 2313.413+/-0.619 χ^2/NDF: 512372.3/15

Left Out: 2186.275+/-0.369 χ^2/NDF:648.8/21

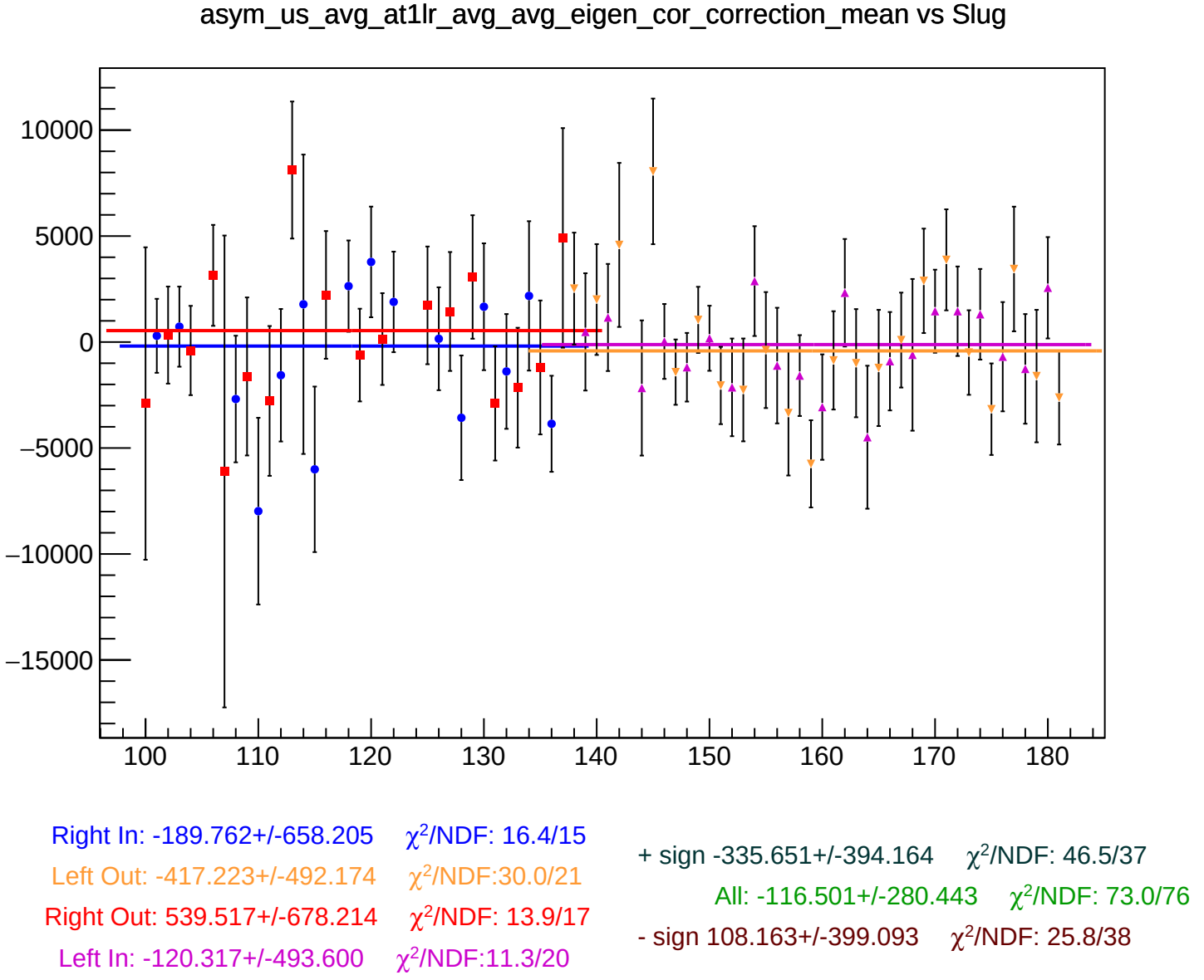
Right Out: 2330.570+/-0.616 χ^2/NDF: 151556.6/17

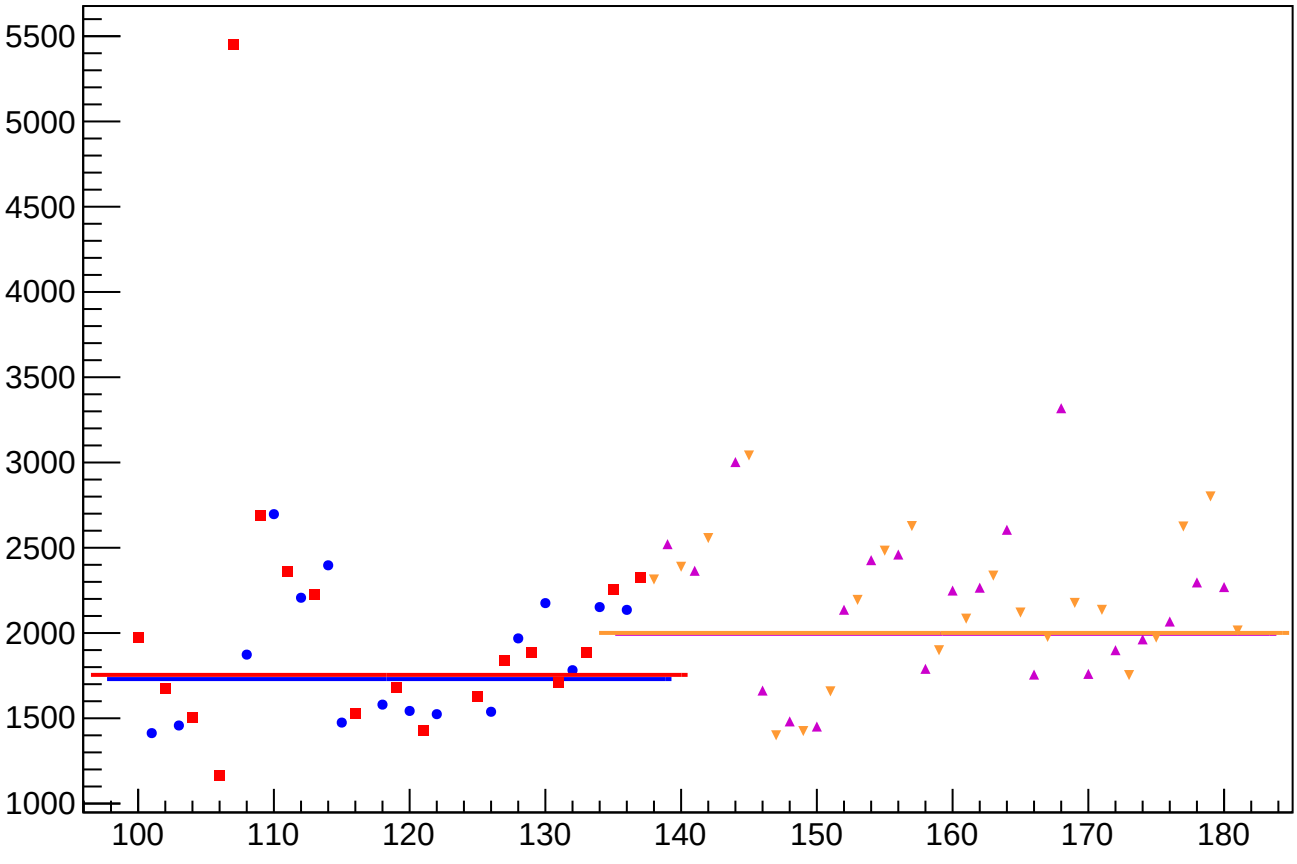
Left In: 2187.845+/-0.372 χ^2/NDF:1919.1/20

+ sign 2219.674+/-0.317 χ^2/NDF: 544142.1/37

All: 2222.838+/-0.225 χ^2/NDF: 737110.8/76

- sign 2226.032+/-0.319 χ^2/NDF: 192768.7/38


asym_us_avg_at1lr_avg_avg_eigen_cor_correction_mean vs Slug
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
180
Right In: -189.762+/-658.205 χ²/NDF: 16.4/15
Left Out: -417.223+/-492.174 χ²/NDF:30.0/21
Right Out: 539.517+/-678.214 χ²/NDF: 13.9/17
Left In: -120.317+/-493.600 χ²/NDF:11.3/20
+ sign -335.651+/-394.164 χ²/NDF: 46.5/37
All: -116.501+/-280.443 χ²/NDF: 73.0/76
- sign 108.163+/-399.093 χ²/NDF: 25.8/38



Right In: 1729.898+/-0.465 χ^2/NDF: 479898.2/15

Left Out: 2000.617+/-0.348 χ^2/NDF:1423444.3/21

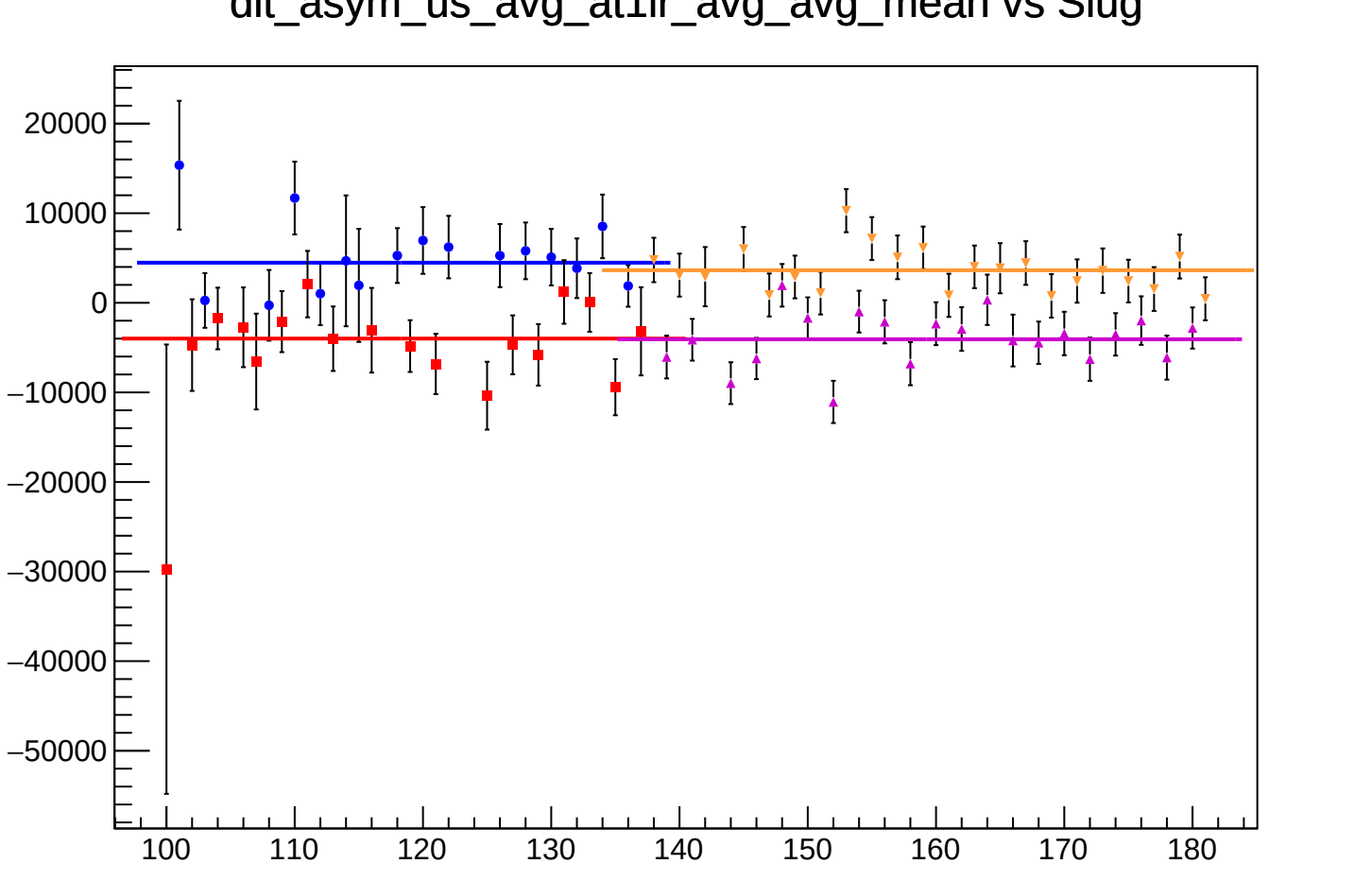
Right Out: 1754.526+/-0.480 χ^2/NDF: 751010.0/17

Left In: 1995.220+/-0.349 χ^2/NDF:1473654.5/20

+ sign 1903.532+/-0.279 χ^2/NDF: 2120343.7/37

All: 1907.652+/-0.198 χ^2/NDF: 4510124.2/76

- sign 1911.875+/-0.282 χ^2/NDF: 2389338.1/38



Right In: 4476.431+/-886.087 χ^2/NDF: 13.5/15

Left Out: 3633.070+/-523.866 χ^2/NDF:21.3/21

Right Out: -3995.807+/-890.441 χ^2/NDF: 15.5/17

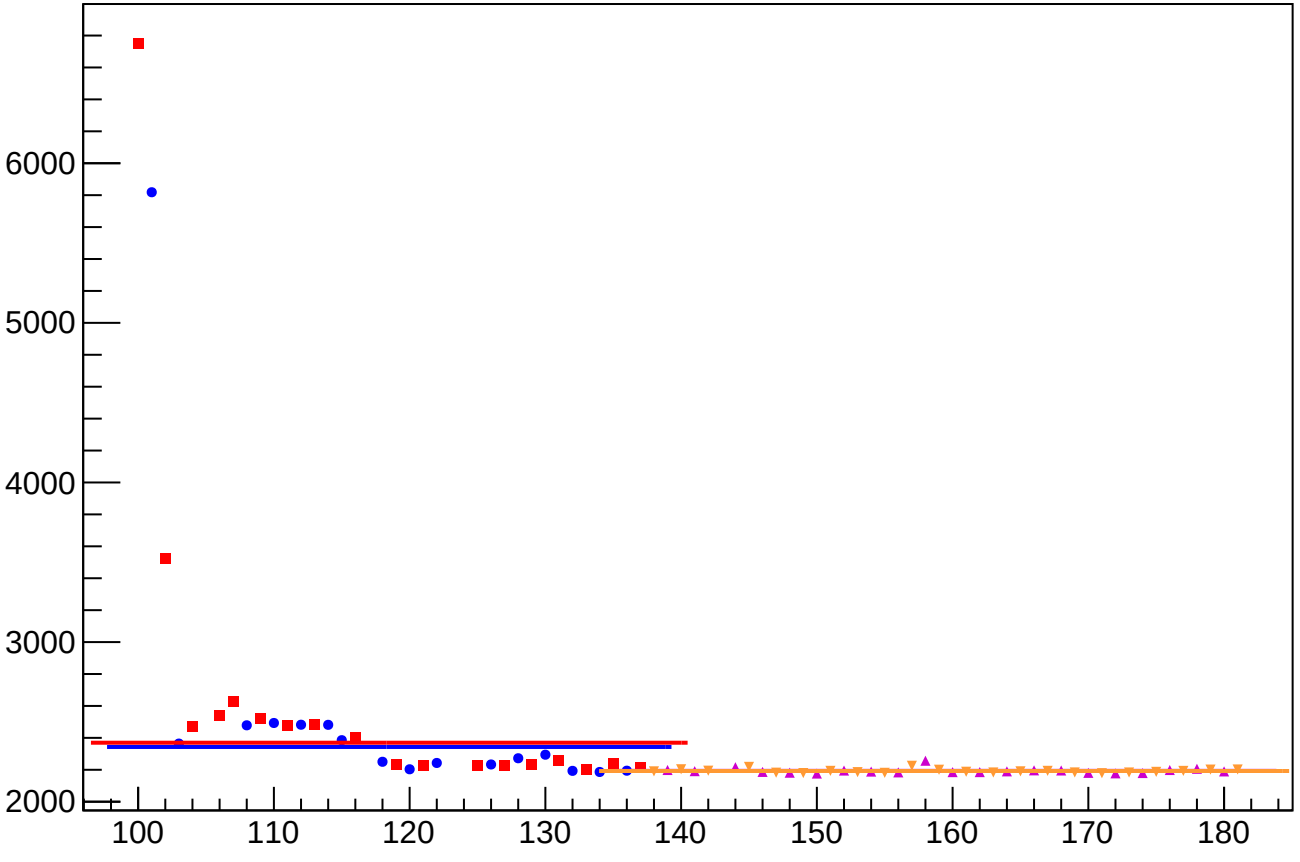
Left In: -4067.942+/-528.038 χ^2/NDF:31.7/20

+ sign 3851.503+/-450.950 χ^2/NDF: 35.6/37

All: -70.607+/-320.007 χ^2/NDF: 235.2/76

- sign -4049.175+/-454.184 χ^2/NDF: 47.2/38

dit_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2342.914+/-0.627 χ^2/NDF: 502866.3/15

Left Out: 2192.379+/-0.370 χ^2/NDF:1035.9/21

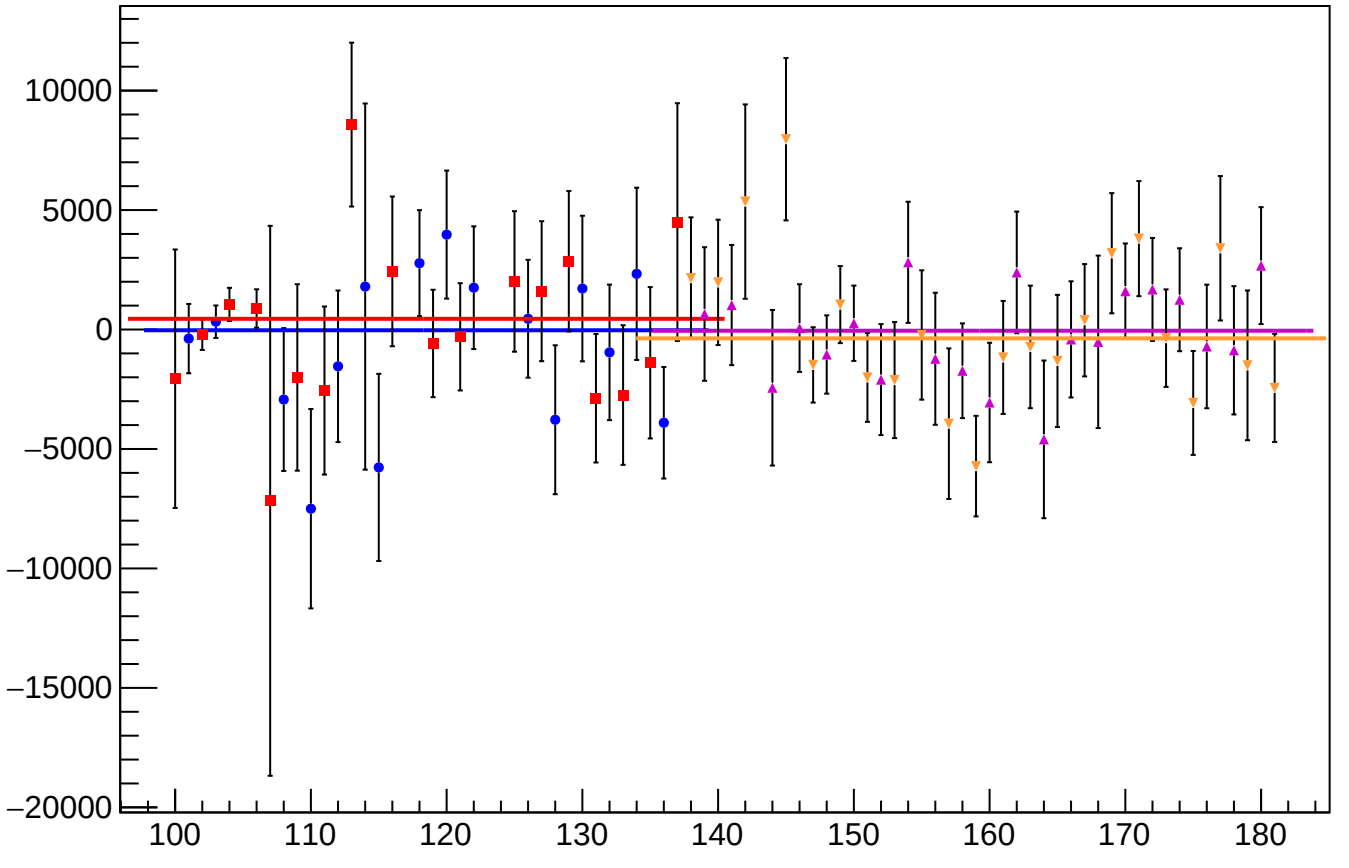
Right Out: 2369.572+/-0.630 χ^2/NDF: 210147.5/17

Left In: 2193.322+/-0.373 χ^2/NDF:2130.7/20

+ sign 2231.368+/-0.319 χ^2/NDF: 546675.1/37

All: 2235.244+/-0.226 χ^2/NDF: 817222.8/76

- sign 2239.177+/-0.321 χ^2/NDF: 270250.0/38



Right In: -31.393+/-485.329 χ^2/NDF: 16.3/15

Left Out: -369.603+/-500.811 χ^2/NDF:29.5/21

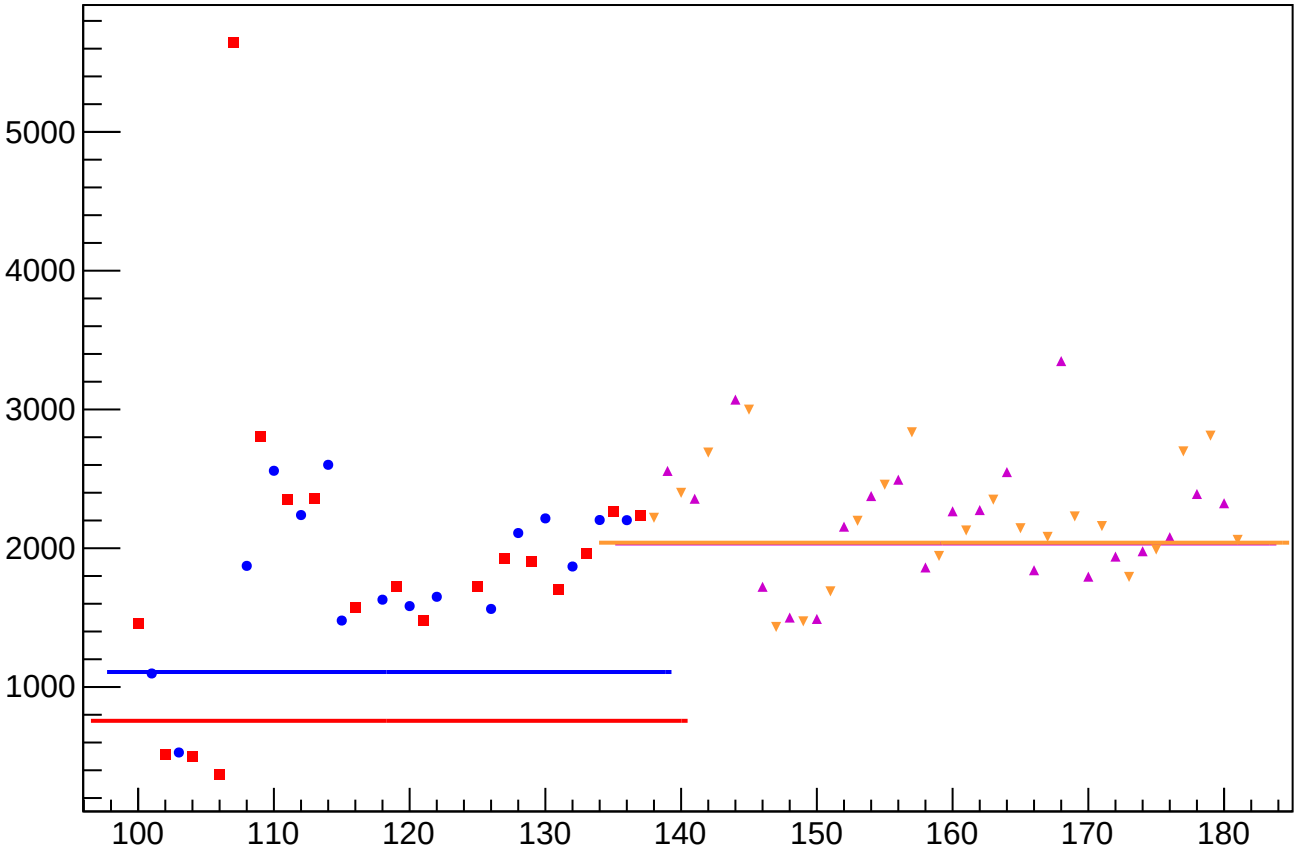
Right Out: 448.261+/-362.570 χ^2/NDF: 15.1/17

Left In: -50.487+/-502.059 χ^2/NDF:11.5/20

+ sign -195.190+/-348.524 χ^2/NDF: 46.1/37

All: 80.918+/-224.694 χ^2/NDF: 74.4/76

- sign 277.308+/-293.936 χ^2/NDF: 27.3/38



Right In: 1108.139+/-0.343 χ^2/NDF: 3746477.0/15

Left Out: 2040.020+/-0.354 χ^2/NDF:1358263.9/21

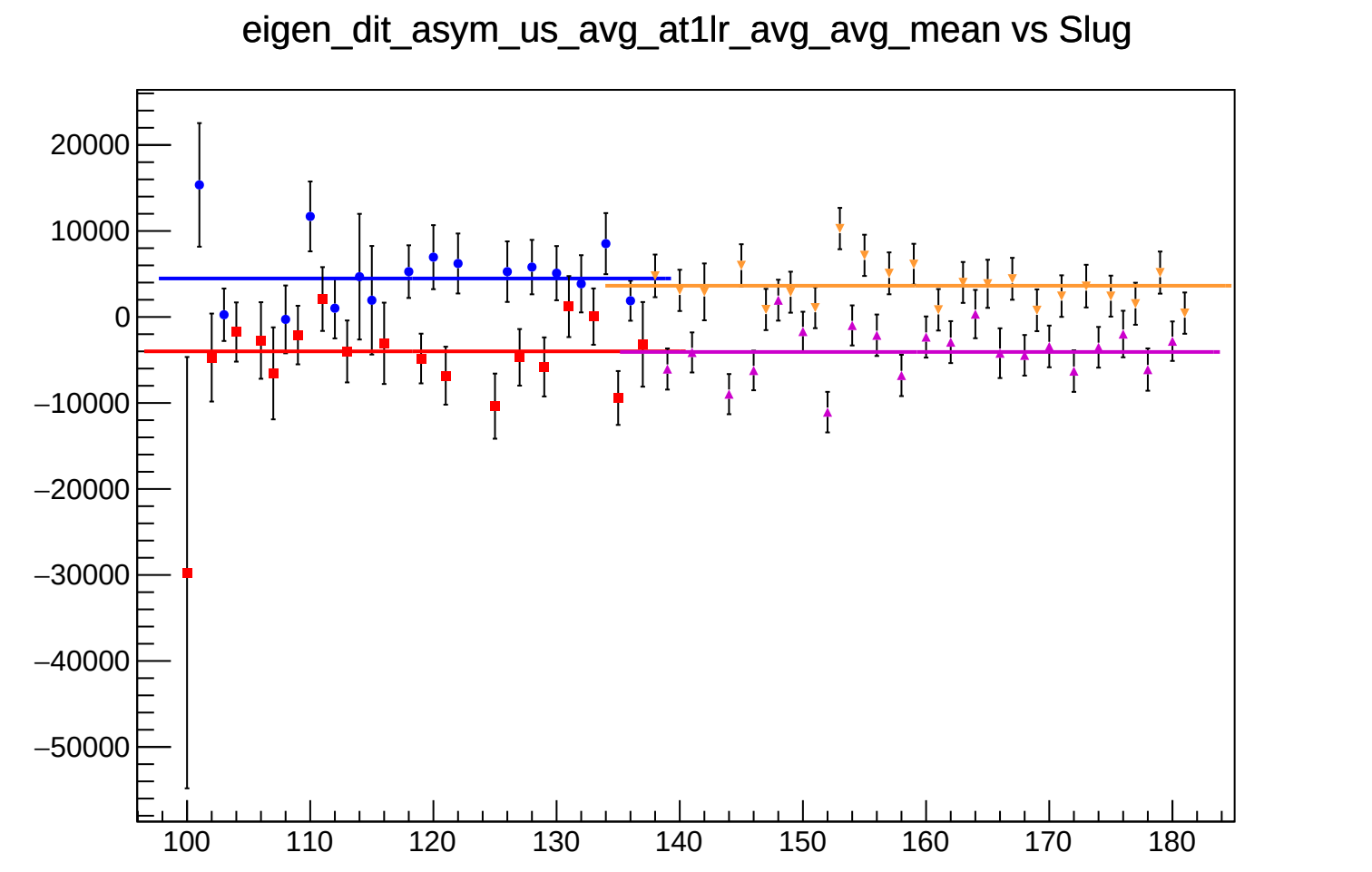
Right Out: 756.419+/-0.256 χ^2/NDF: 5603215.5/17

Left In: 2034.246+/-0.355 χ^2/NDF:1385351.1/20

+ sign 1559.453+/-0.246 χ^2/NDF: 8675801.7/37

All: 1346.139+/-0.159 χ^2/NDF: 25461501.2/7

- sign 1194.413+/-0.208 χ^2/NDF: 15503588.3/38



Right In: 4476.427+/-886.086 χ^2/NDF: 13.5/15

Left Out: 3633.069+/-523.866 χ^2/NDF:21.3/21

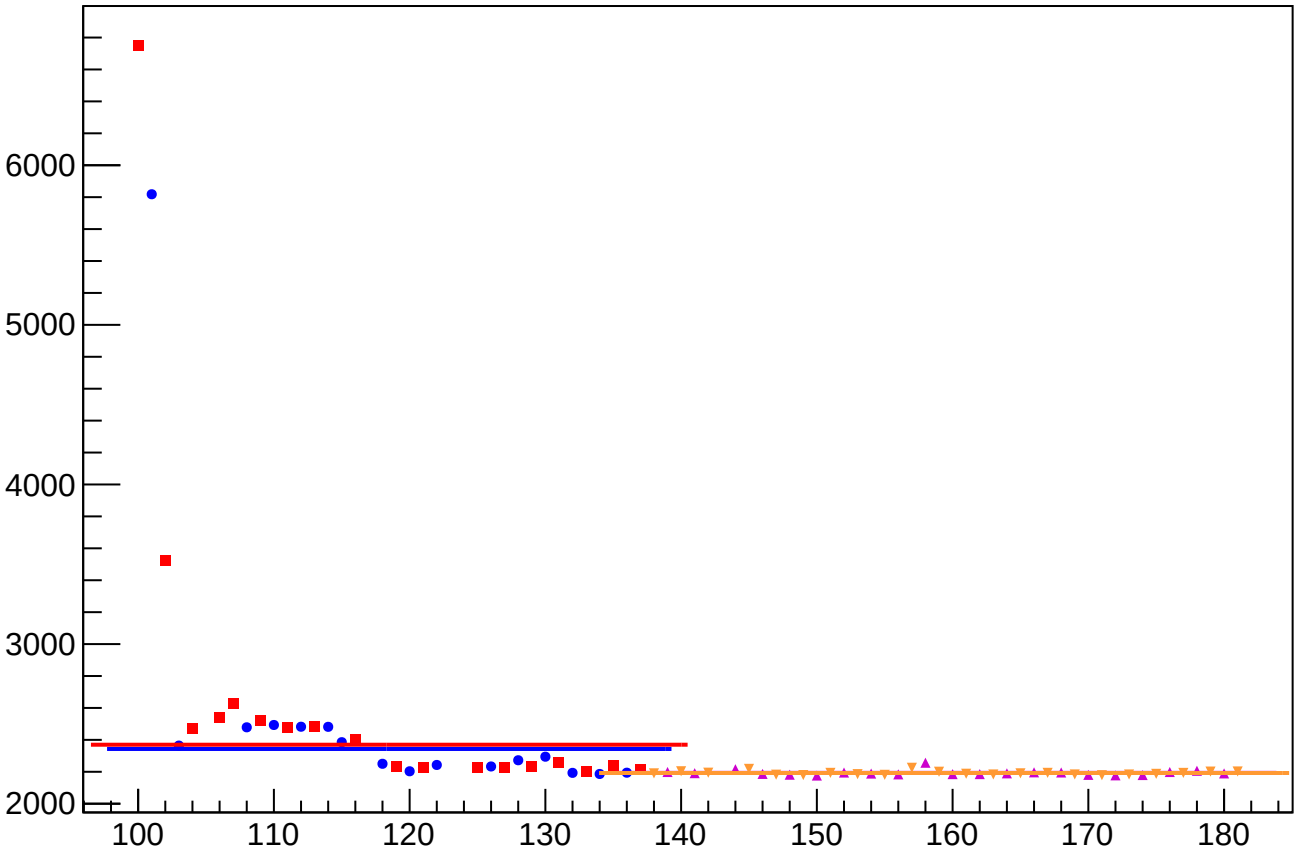
Right Out: -3995.803+/-890.441 χ^2/NDF: 15.5/17

Left In: -4067.943+/-528.038 χ^2/NDF:31.7/20

+ sign 3851.501+/-450.950 χ^2/NDF: 35.6/37

All: -70.608+/-320.007 χ^2/NDF: 235.2/76

- sign -4049.175+/-454.184 χ^2/NDF: 47.2/38



Right In: 2342.913+/-0.627 χ^2/NDF: 502866.3/15

Left Out: 2192.379+/-0.370 χ^2/NDF:1035.9/21

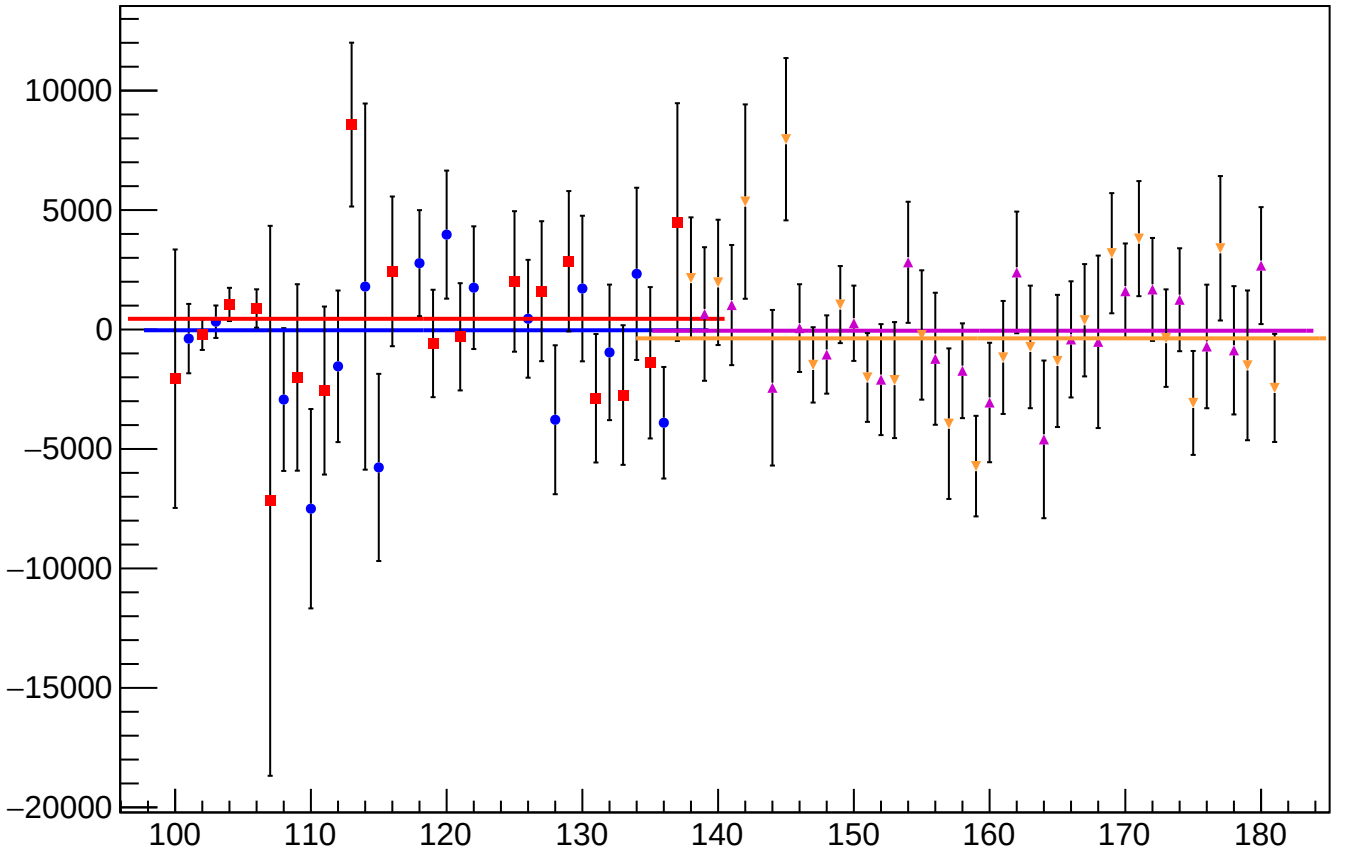
Right Out: 2369.572+/-0.630 χ^2/NDF: 210146.5/17

Left In: 2193.322+/-0.373 χ^2/NDF:2130.7/20

+ sign 2231.368+/-0.319 χ^2/NDF: 546674.9/37

All: 2235.244+/-0.226 χ^2/NDF: 817221.1/76

- sign 2239.177+/-0.321 χ^2/NDF: 270248.5/38



Right In: -31.400+/-485.331 χ^2/NDF: 16.3/15

Left Out: -369.607+/-500.812 χ^2/NDF:29.5/21

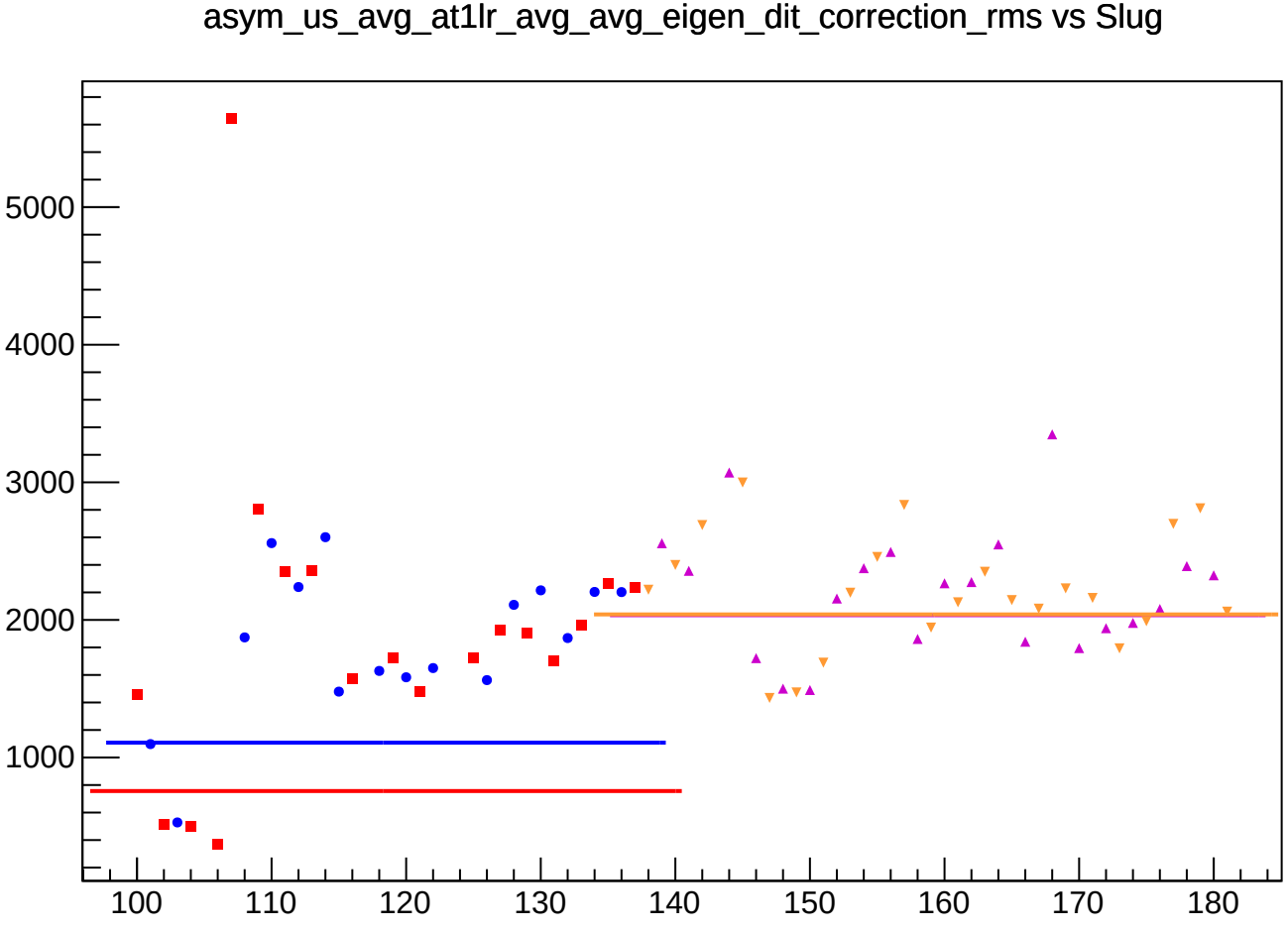
Right Out: 448.265+/-362.575 χ^2/NDF: 15.1/17

Left In: -50.488+/-502.060 χ^2/NDF:11.5/20

+ sign -195.196+/-348.525 χ^2/NDF: 46.1/37

All: 80.914+/-224.696 χ^2/NDF: 74.4/76

- sign 277.307+/-293.939 χ^2/NDF: 27.3/38



Right In: 1108.149+/-0.343 χ^2/NDF: 3746402.0/15

Left Out: 2040.024+/-0.354 χ^2/NDF:1358263.3/21

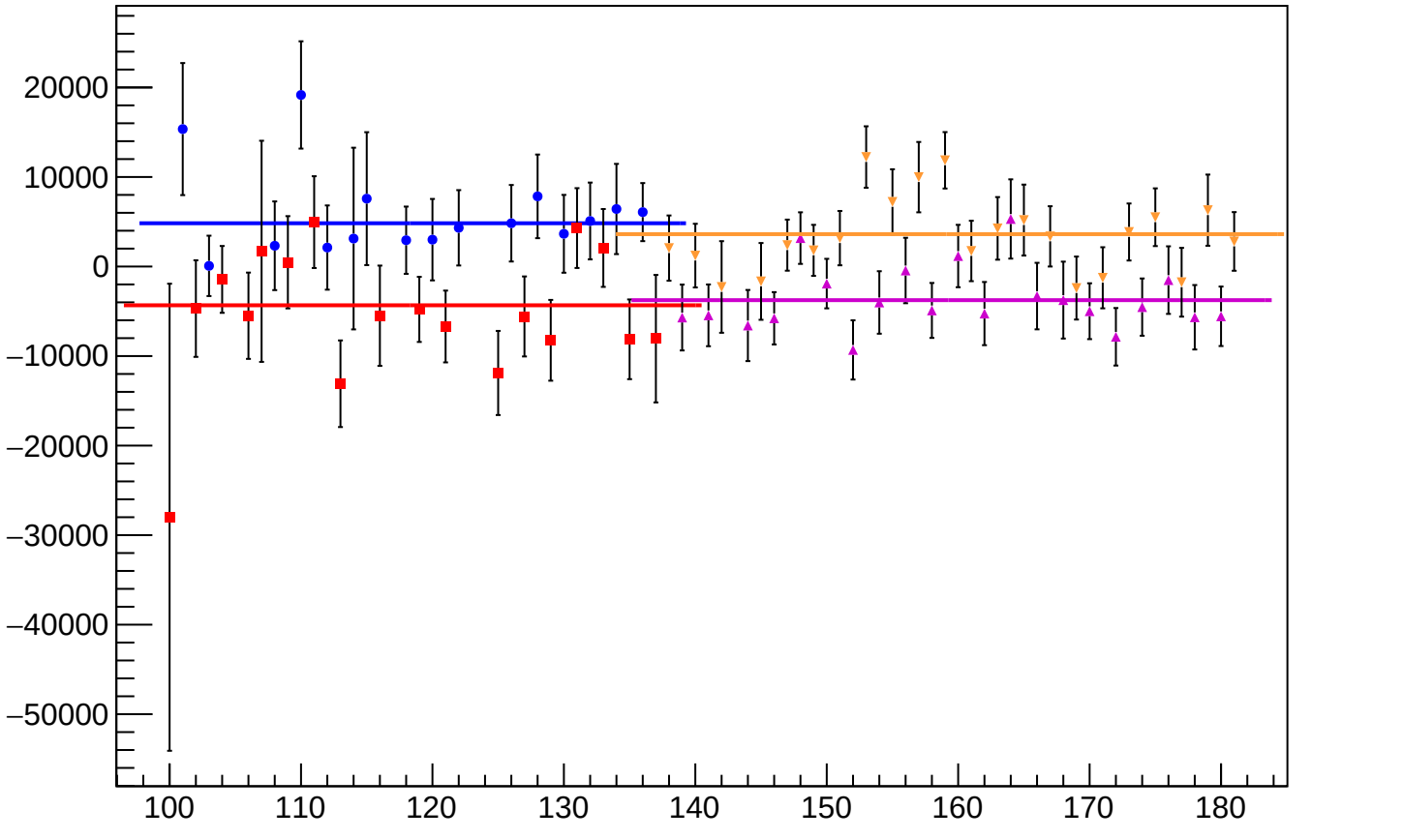
Right Out: 756.434+/-0.256 χ^2/NDF: 5603097.5/17

Left In: 2034.249+/-0.355 χ^2/NDF:1385349.6/20

+ sign 1559.462+/-0.246 χ^2/NDF: 8675654.2/37

All: 1346.154+/-0.159 χ^2/NDF: 25460905.7/7

- sign 1194.430+/-0.208 χ^2/NDF: 15503220.0/38



Right In: 4833.806+/-1142.535 χ^2/NDF: 11.7/15

Left Out: 3616.084+/-738.225 χ^2/NDF:29.2/21

Right Out: -4328.601+/-1144.541 χ^2/NDF: 19.9/17

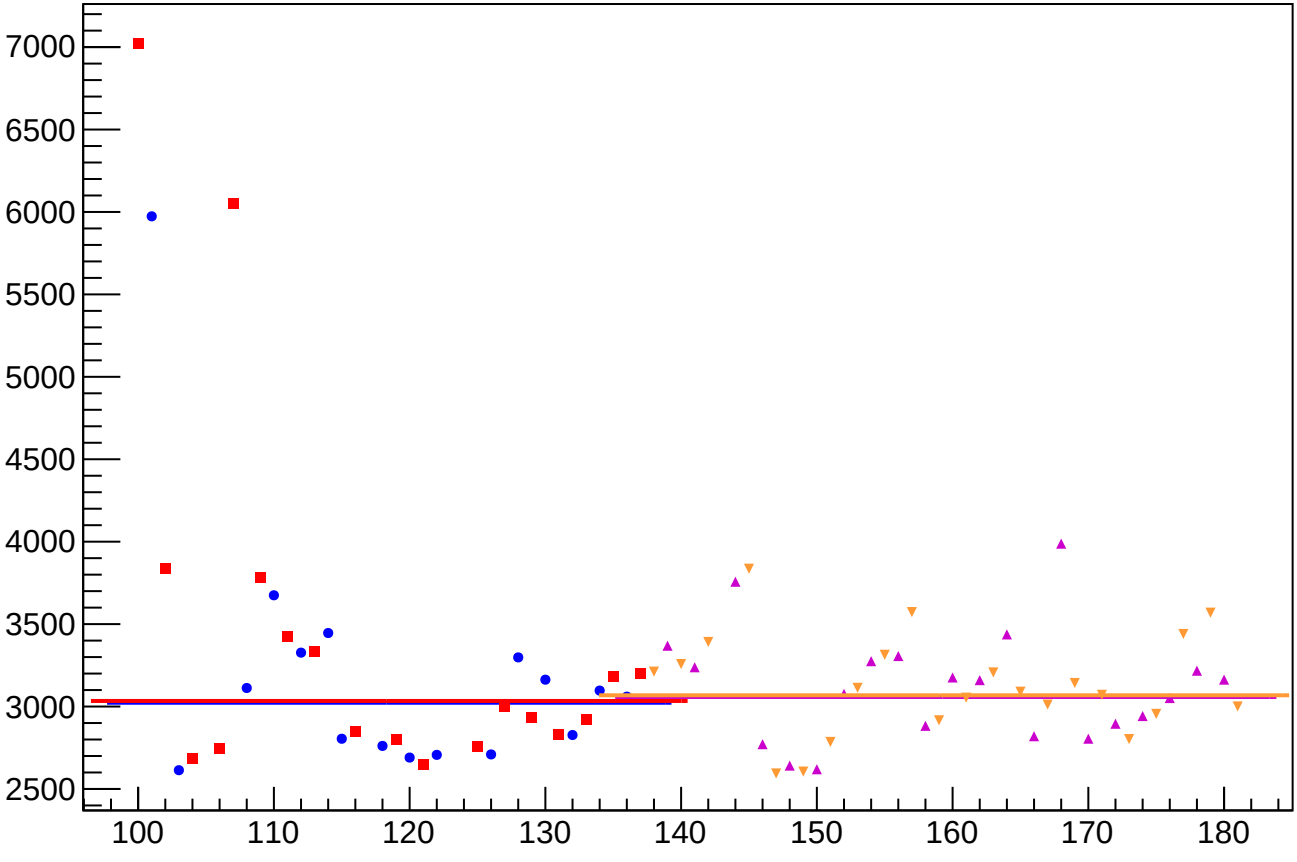
Left In: -3755.928+/-741.239 χ^2/NDF:20.7/20

+ sign 3974.733+/-620.055 χ^2/NDF: 41.6/37

All: 38.184+/-439.187 χ^2/NDF: 163.3/76

- sign -3925.147+/-622.160 χ^2/NDF: 40.8/38

asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 3023.068+/-0.808 χ^2/NDF: 443705.8/15

Left Out: 3068.247+/-0.522 χ^2/NDF:325800.7/21

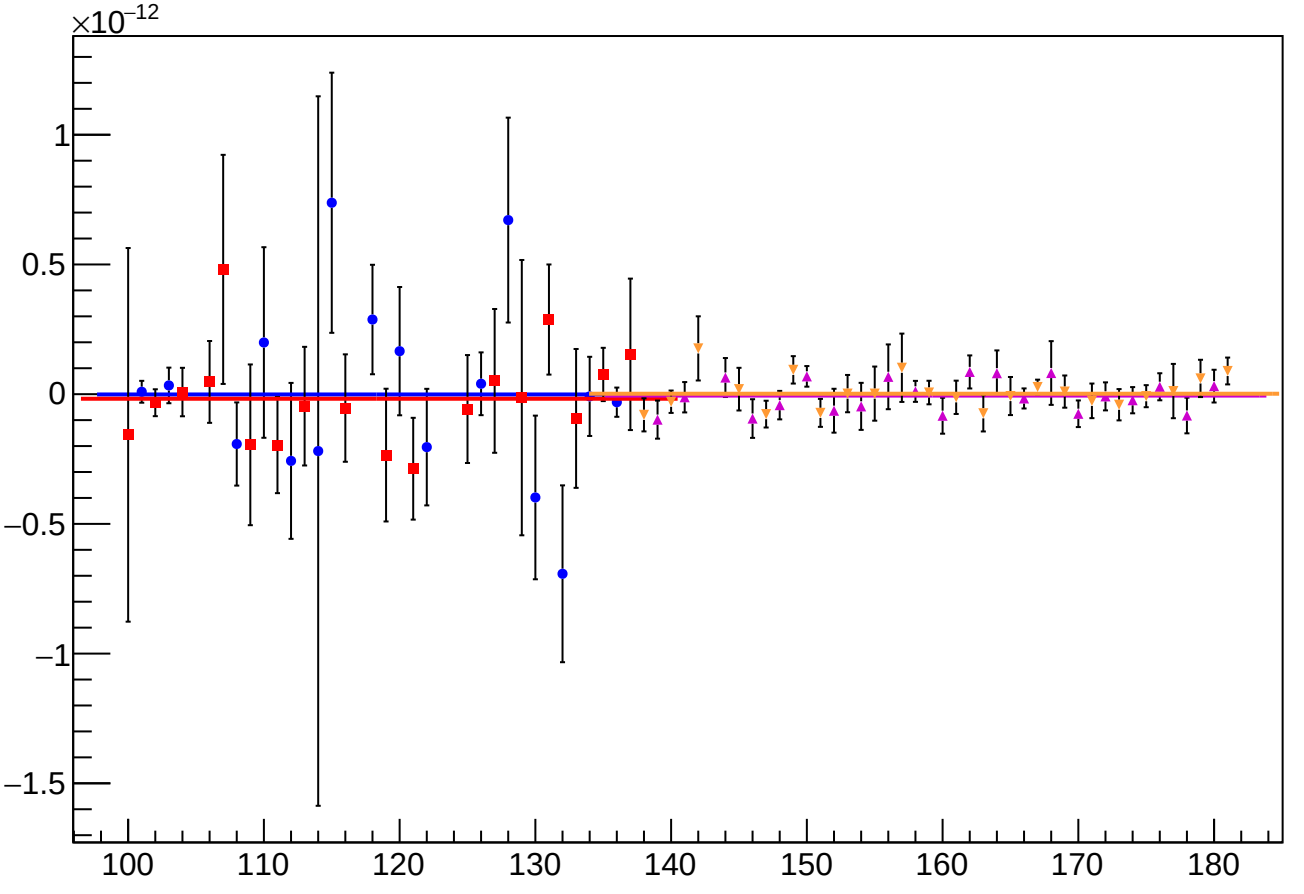
Right Out: 3033.869+/-0.809 χ^2/NDF: 342674.7/17

Left In: 3057.993+/-0.524 χ^2/NDF:363933.8/20

+ sign 3054.941+/-0.438 χ^2/NDF: 771712.7/37

All: 3052.909+/-0.311 χ^2/NDF: 1478990.2/76

- sign 3050.864+/-0.440 χ^2/NDF: 707234.4/38



Right In: -0.000+/-0.000 χ^2/NDF: 17.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.3/21

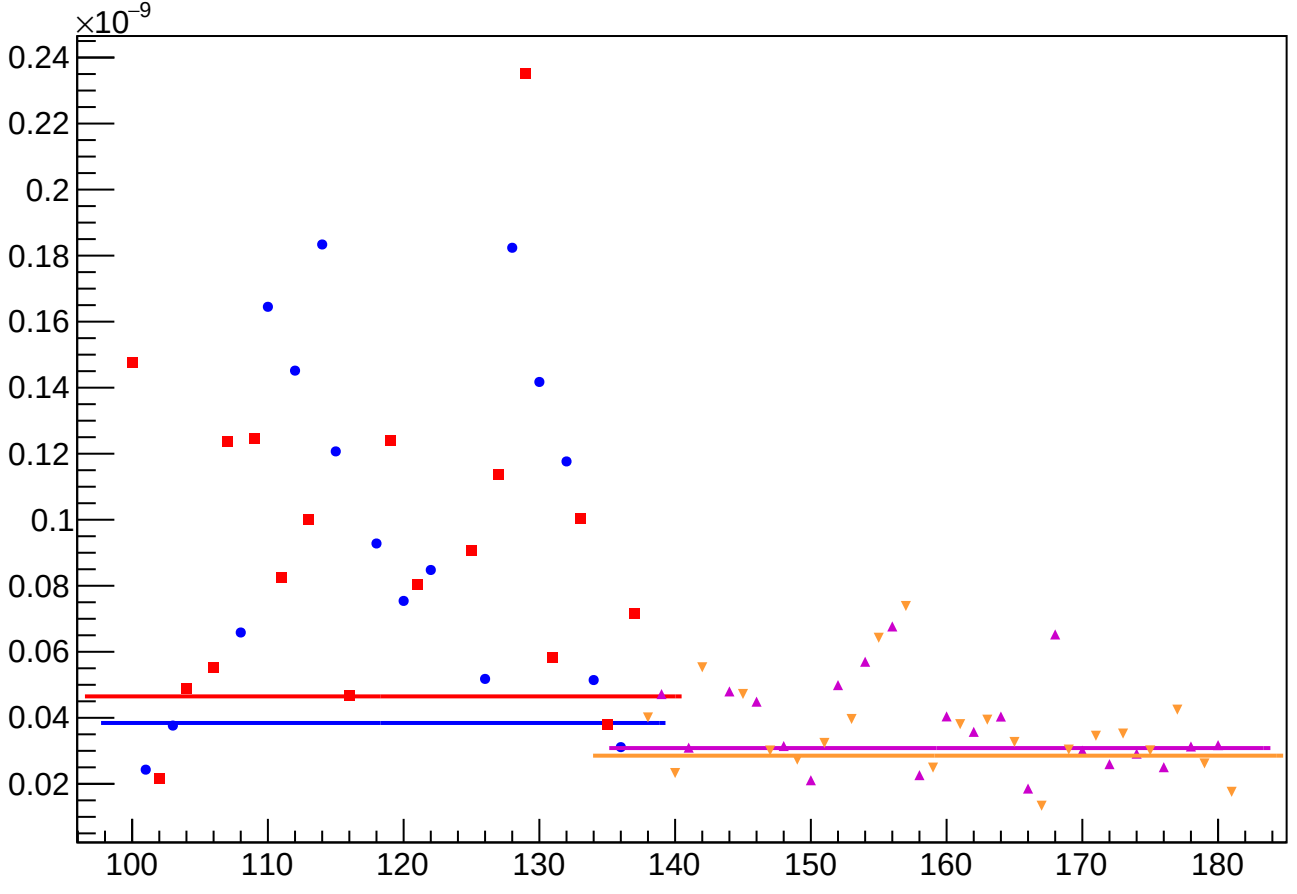
Right Out: -0.000+/-0.000 χ^2/NDF: 9.0/17

Left In: -0.000+/-0.000 χ^2/NDF:17.8/20

+ sign 0.000+/-0.000 χ^2/NDF: 35.4/37

All: -0.000+/-0.000 χ^2/NDF: 62.6/76

- sign -0.000+/-0.000 χ^2/NDF: 26.9/38



Right In: 0.000+/-0.000 χ^2/NDF: 1771405.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:1681498.7/21

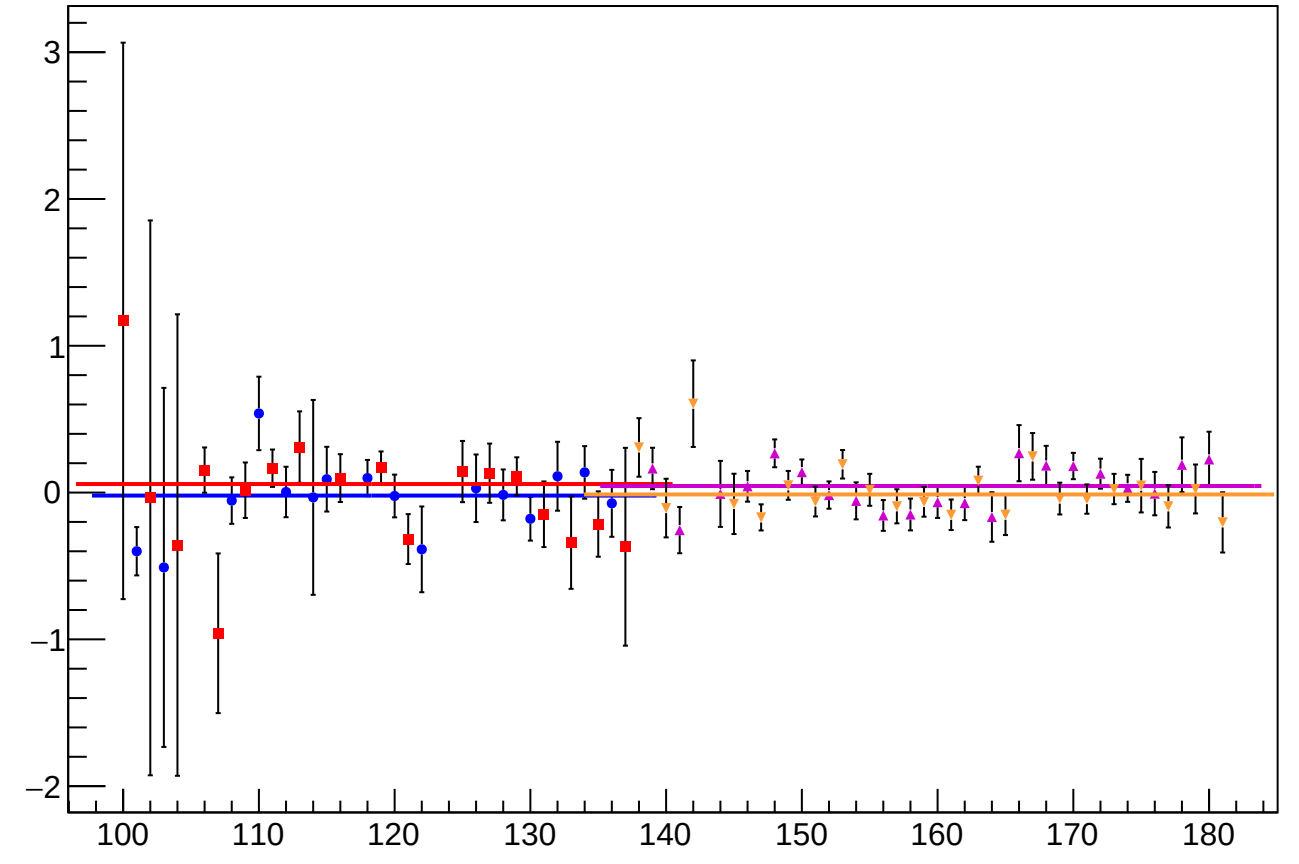
Right Out: 0.000+/-0.000 χ^2/NDF: 1697135.5/17

Left In: 0.000+/-0.000 χ^2/NDF:1396058.7/20

+ sign 0.000+/-0.000 χ^2/NDF: 3673305.5/37

All: 0.000+/-0.000 χ^2/NDF: 7176589.2/76

- sign 0.000+/-0.000 χ^2/NDF: 3454171.1/38



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: -0.013+/-0.026 χ^2/NDF:24.3/21

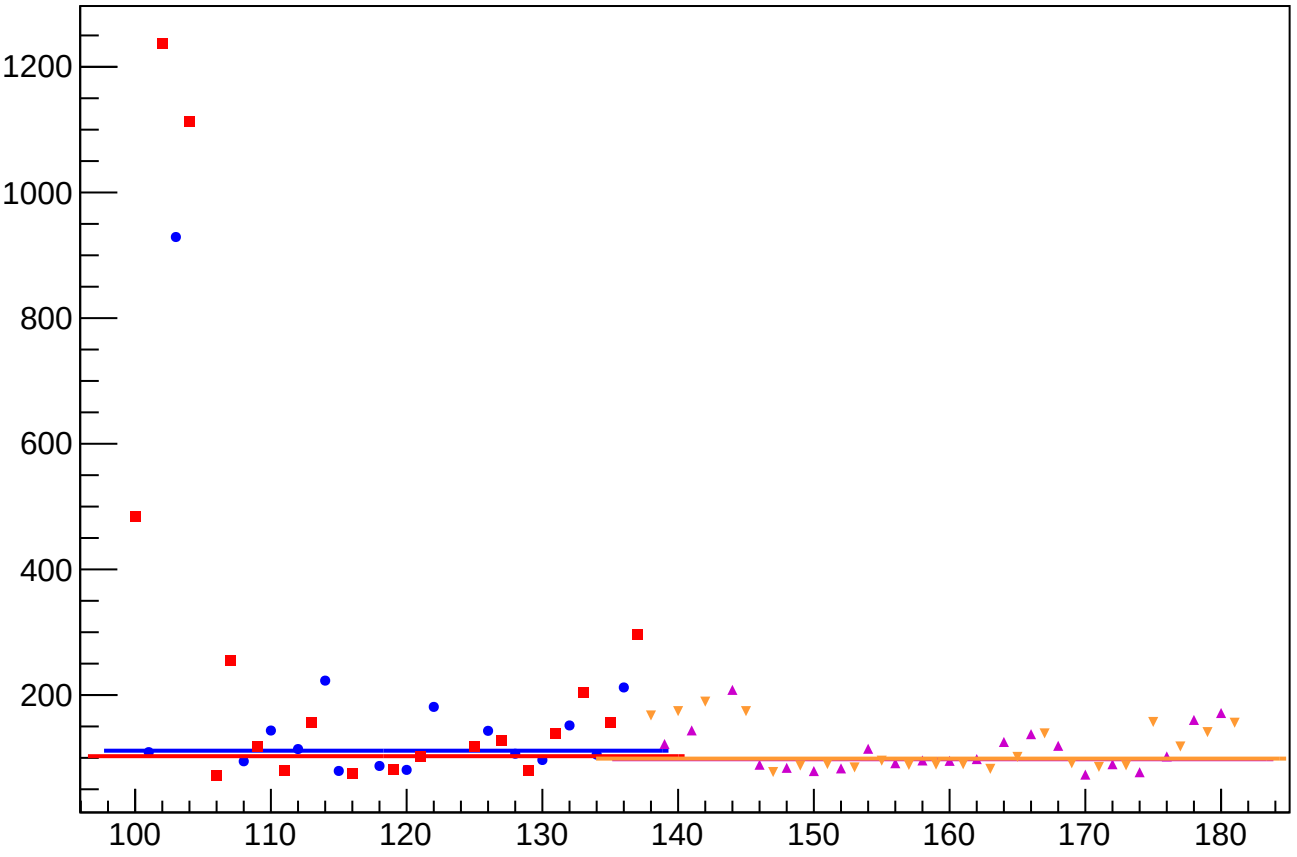
Right Out: 0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: 0.045+/-0.026 χ^2/NDF:29.8/20

+ sign -0.015+/-0.023 χ^2/NDF: 40.0/37

All: 0.017+/-0.016 χ^2/NDF: 90.5/76

- sign 0.048+/-0.022 χ^2/NDF: 46.7/38



Right In: 111.407+/-0.034 χ^2/NDF: 1839361.2/15

Left Out: 98.810+/-0.018 χ^2/NDF:2006263.9/21

Right Out: 102.673+/-0.033 χ^2/NDF: 2826852.7/17

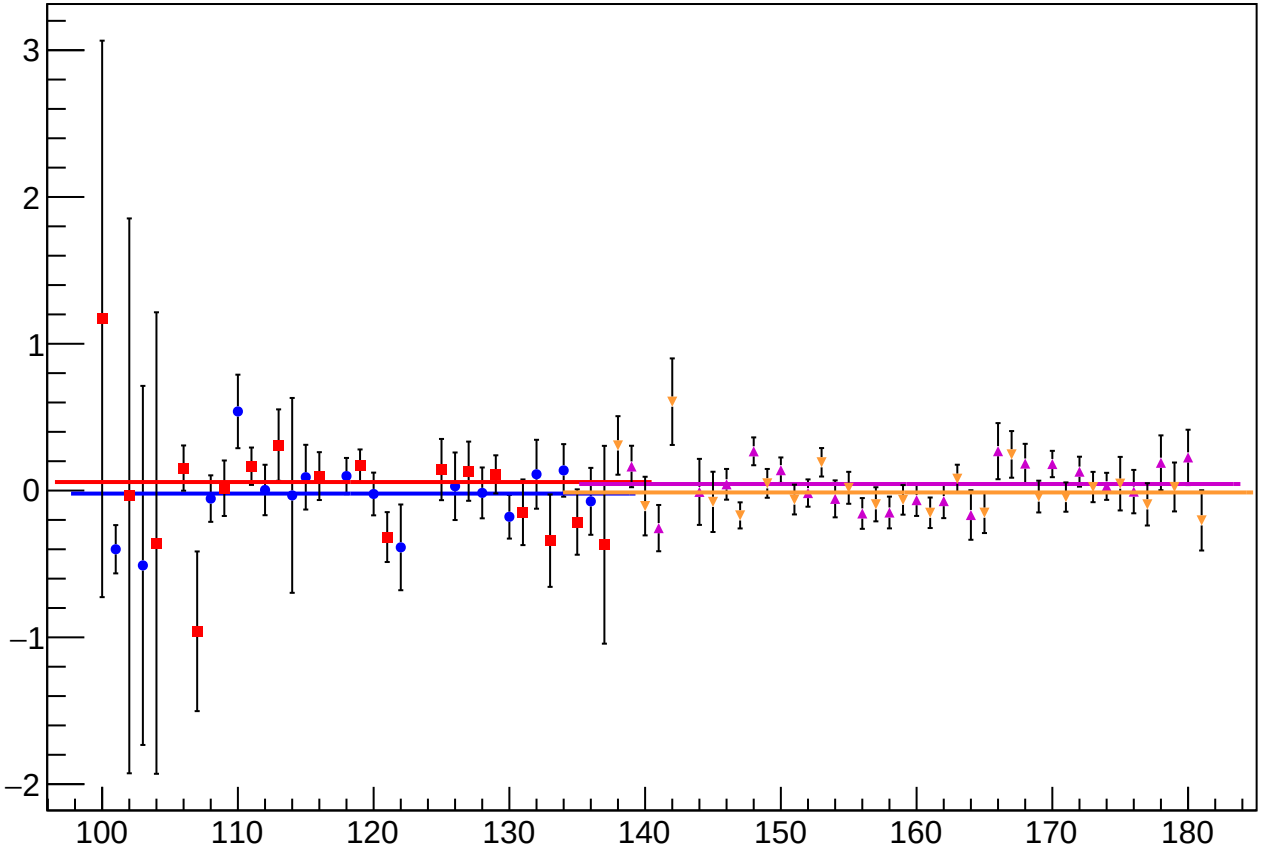
Left In: 97.788+/-0.018 χ^2/NDF:1937643.3/20

+ sign 101.690+/-0.016 χ^2/NDF: 3953538.5/37

All: 100.291+/-0.011 χ^2/NDF: 8749894.3/76

- sign 98.931+/-0.016 χ^2/NDF: 4781472.3/38

asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: -0.013+/-0.026 χ^2/NDF:24.3/21

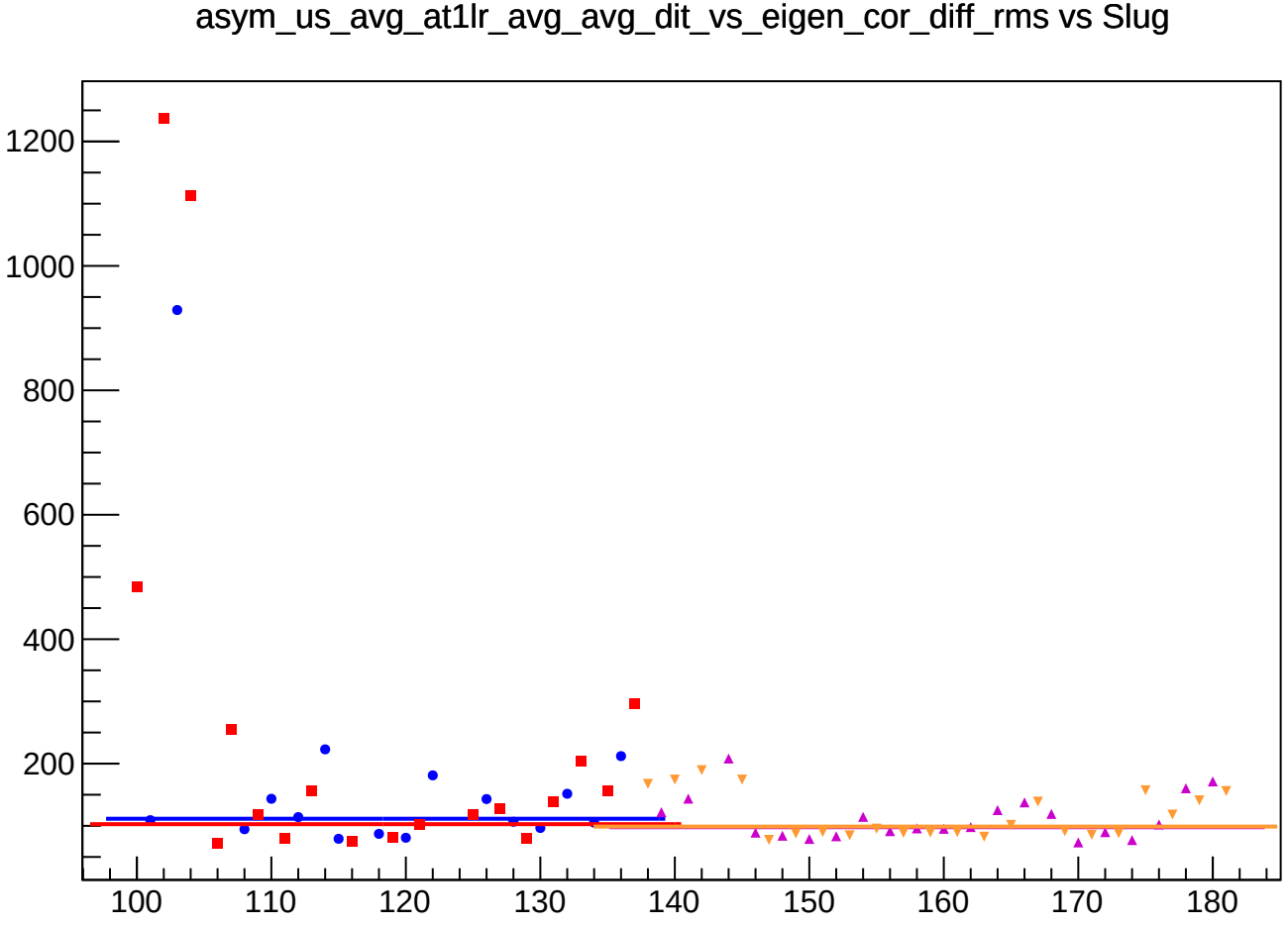
Right Out: 0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: 0.045+/-0.026 χ^2/NDF:29.8/20

+ sign -0.015+/-0.023 χ^2/NDF: 40.0/37

All: 0.017+/-0.016 χ^2/NDF: 90.5/76

- sign 0.048+/-0.022 χ^2/NDF: 46.7/38



Right In: 111.407+/-0.034 χ^2/NDF: 1839361.2/15

Left Out: 98.810+/-0.018 χ^2/NDF:2006263.9/21

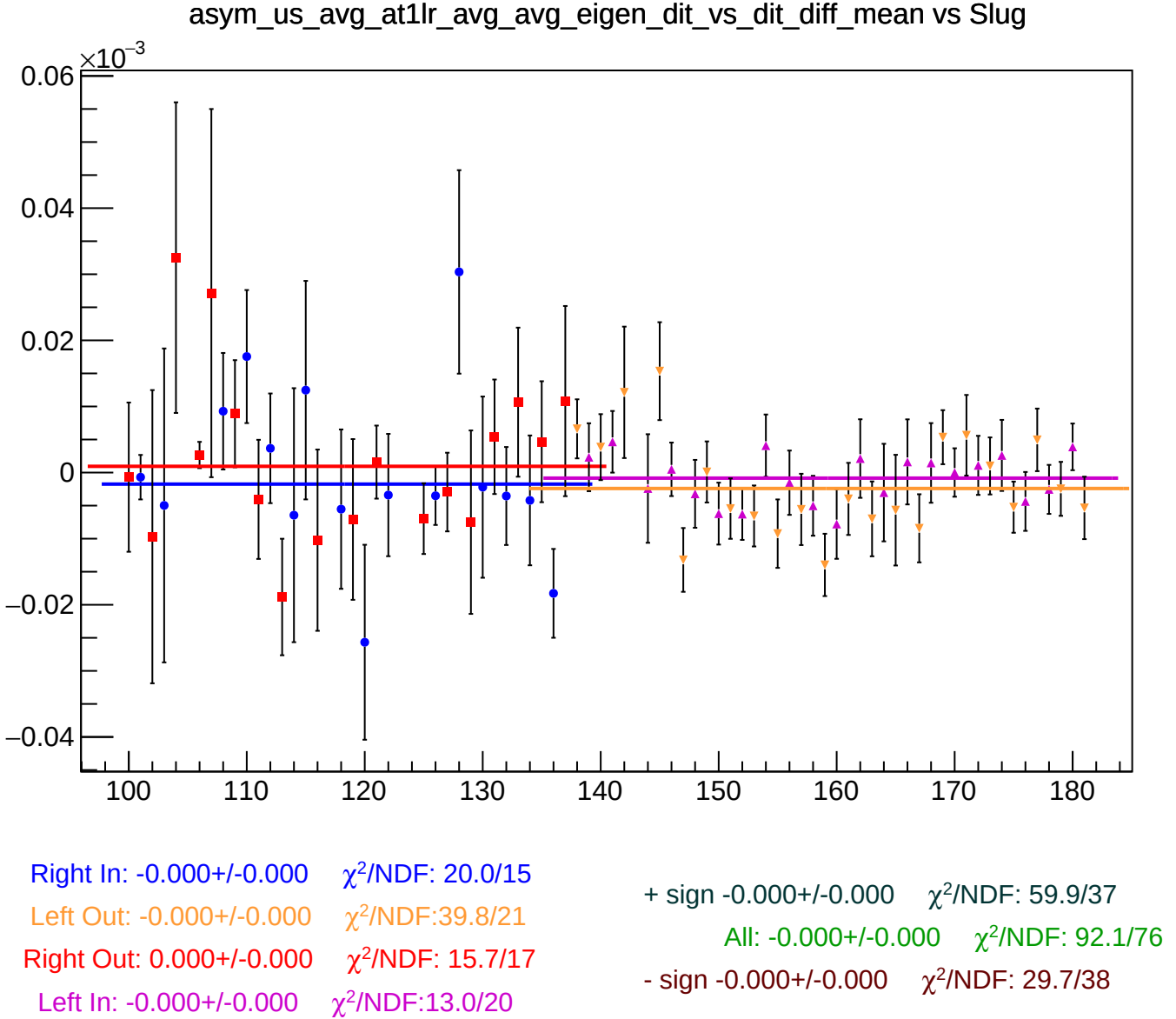
Right Out: 102.673+/-0.033 χ^2/NDF: 2826852.7/17

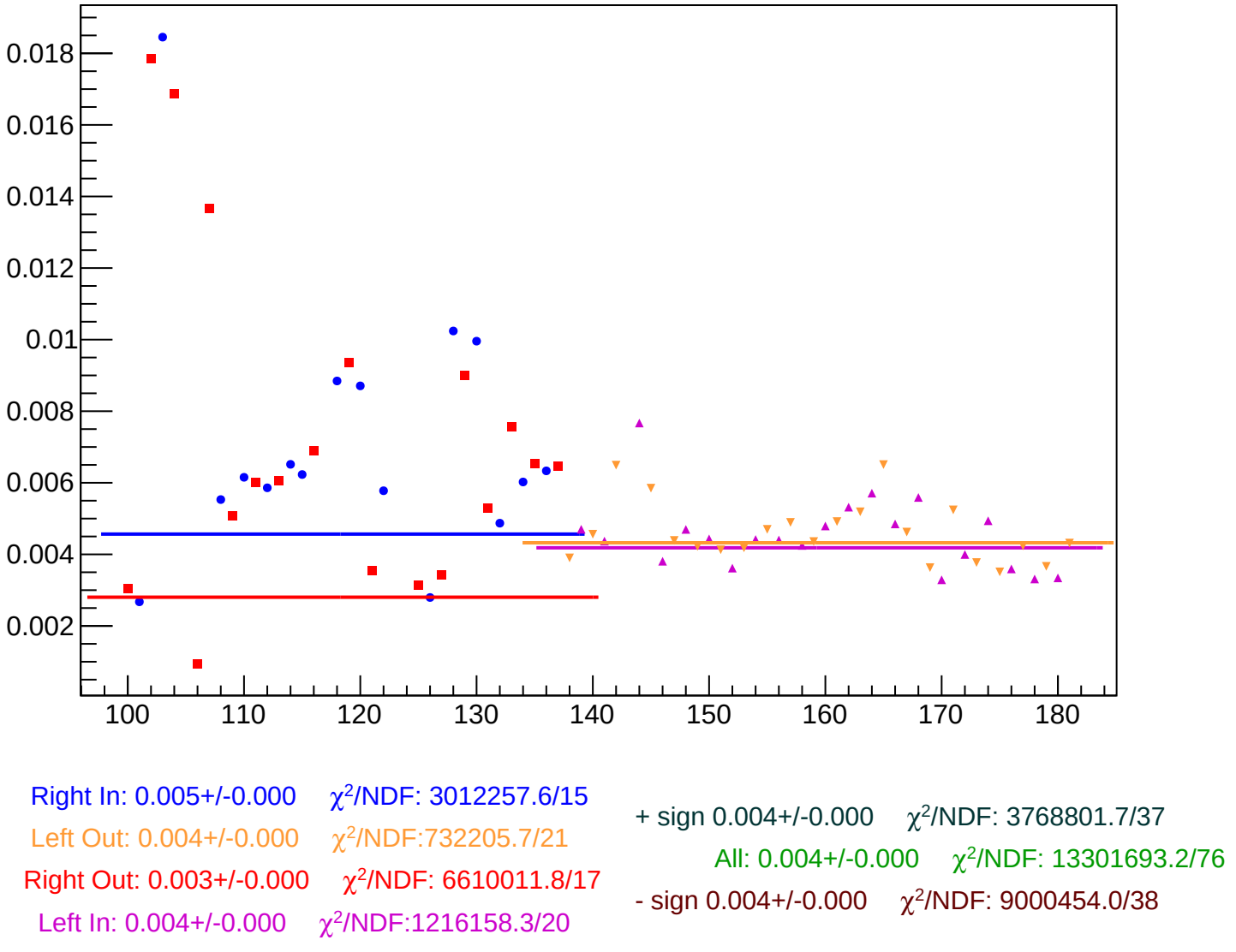
Left In: 97.788+/-0.018 χ^2/NDF:1937643.3/20

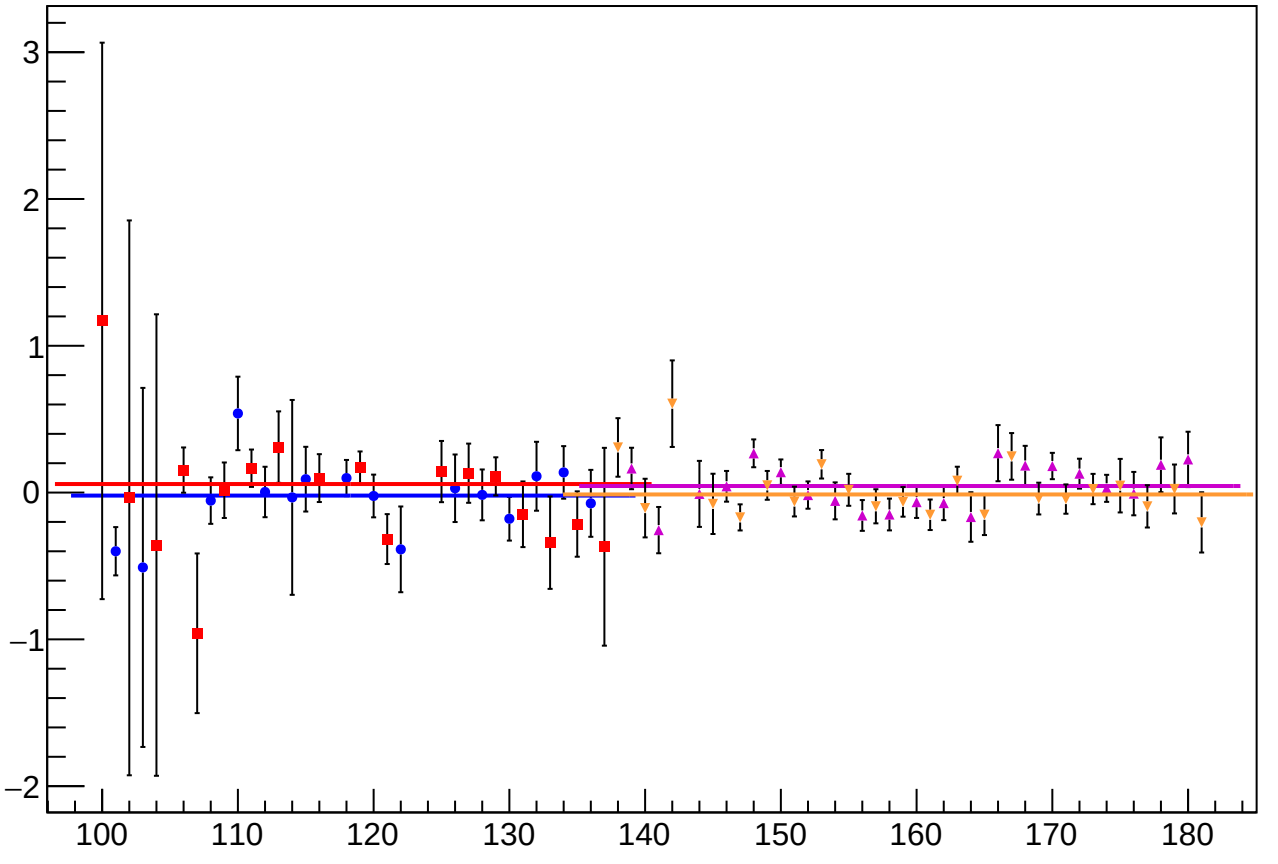
+ sign 101.690+/-0.016 χ^2/NDF: 3953538.5/37

All: 100.291+/-0.011 χ^2/NDF: 8749894.3/76

- sign 98.931+/-0.016 χ^2/NDF: 4781472.3/38


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:39.8/21
Right Out: 0.000+/-0.000 χ²/NDF: 15.7/17
Left In: -0.000+/-0.000 χ²/NDF:13.0/20
+ sign -0.000+/-0.000 χ²/NDF: 59.9/37
All: -0.000+/-0.000 χ²/NDF: 92.1/76
- sign -0.000+/-0.000 χ²/NDF: 29.7/38


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:732205.7/21
Right Out: 0.003+/-0.000 χ²/NDF: 6610011.8/17
Left In: 0.004+/-0.000 χ²/NDF:1216158.3/20
+ sign 0.004+/-0.000 χ²/NDF: 3768801.7/37
All: 0.004+/-0.000 χ²/NDF: 13301693.2/76
- sign 0.004+/-0.000 χ²/NDF: 9000454.0/38



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: -0.013+/-0.026 χ^2/NDF:24.3/21

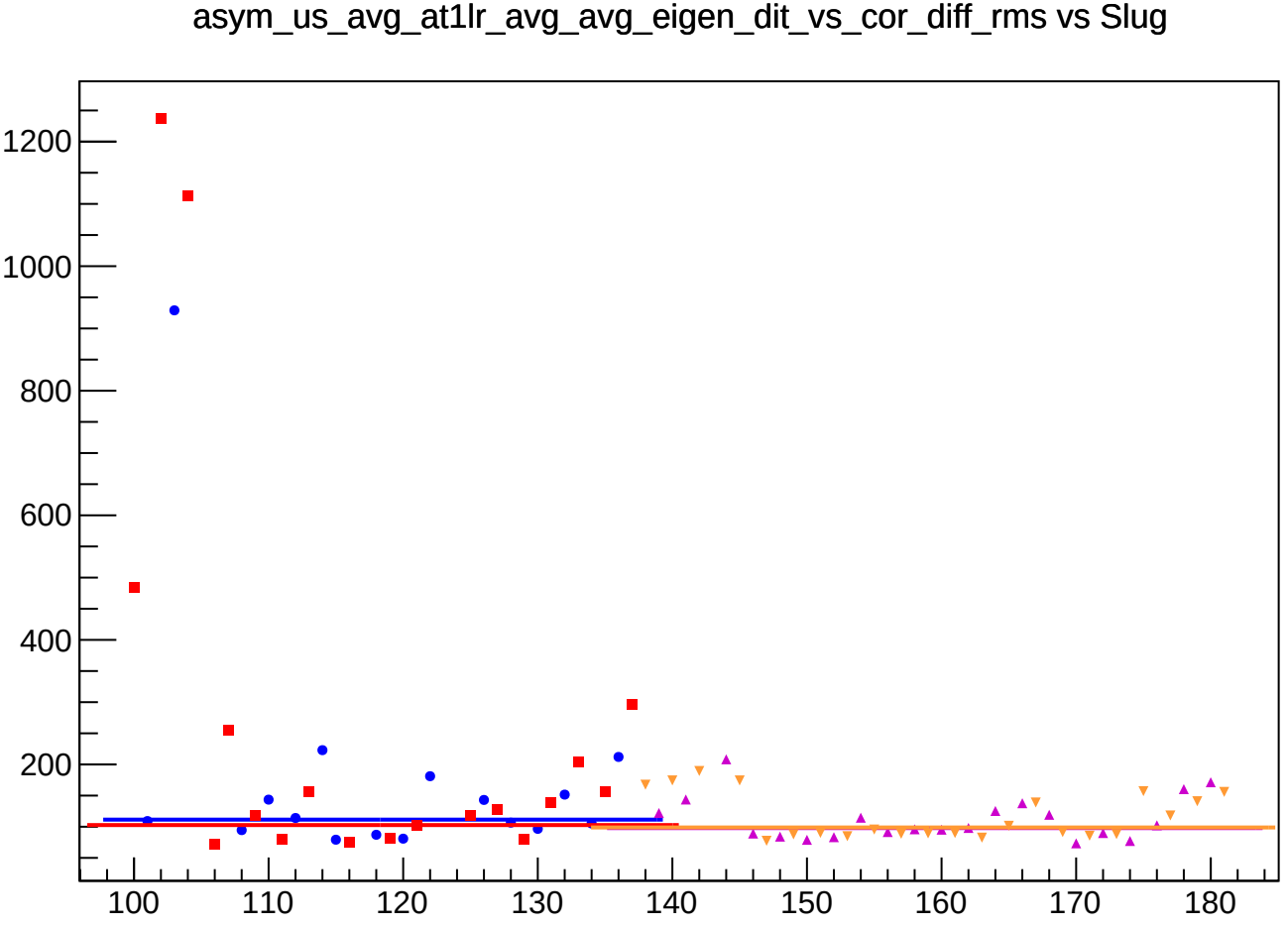
Right Out: 0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: 0.045+/-0.026 χ^2/NDF:29.8/20

+ sign -0.015+/-0.023 χ^2/NDF: 40.0/37

All: 0.017+/-0.016 χ^2/NDF: 90.5/76

- sign 0.048+/-0.022 χ^2/NDF: 46.7/38



Right In: 111.404+/-0.034 χ^2/NDF: 1839407.3/15

Left Out: 98.810+/-0.018 χ^2/NDF:2006232.8/21

Right Out: 102.671+/-0.033 χ^2/NDF: 2826848.2/17

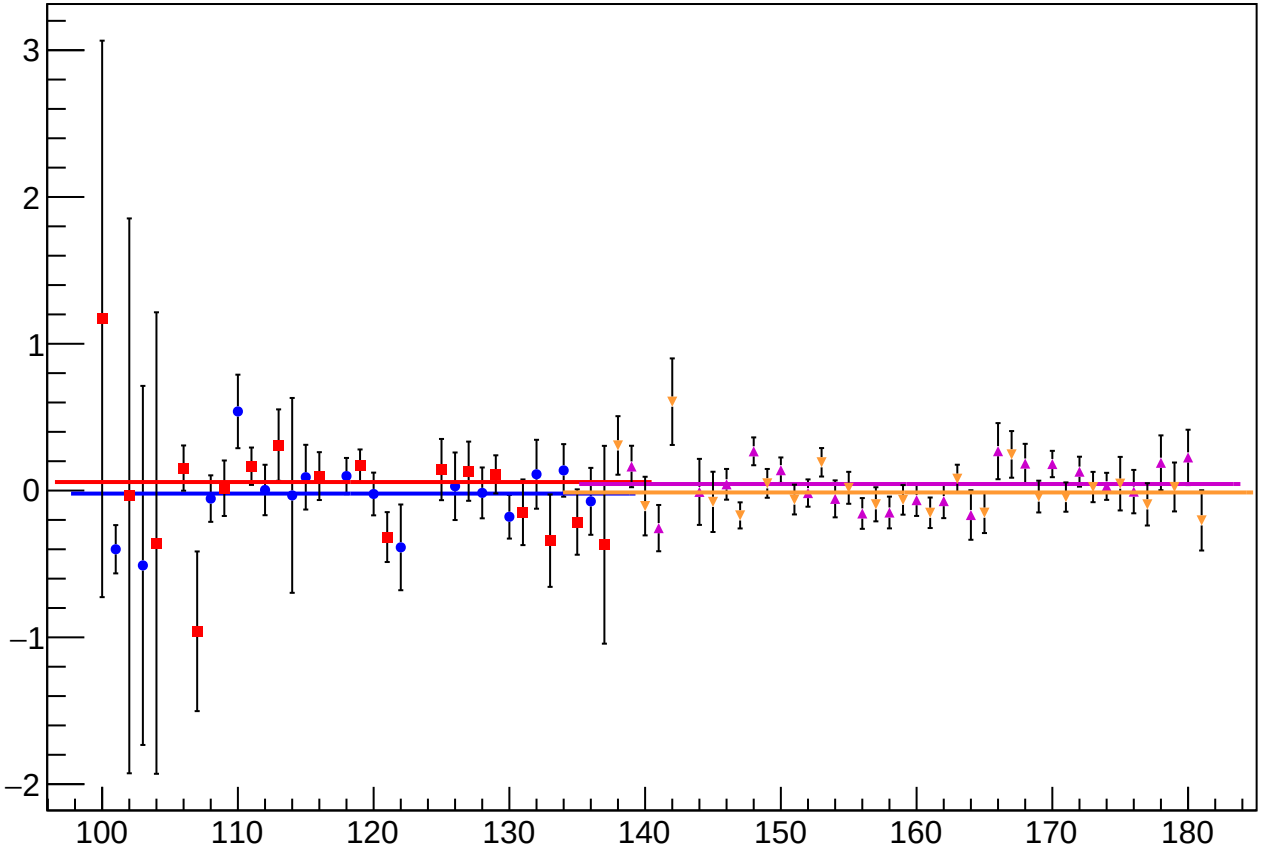
Left In: 97.788+/-0.018 χ^2/NDF:1937616.2/20

+ sign 101.690+/-0.016 χ^2/NDF: 3953497.9/37

All: 100.291+/-0.011 χ^2/NDF: 8749808.7/76

- sign 98.931+/-0.016 χ^2/NDF: 4781426.9/38

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: -0.013+/-0.026 χ^2/NDF:24.3/21

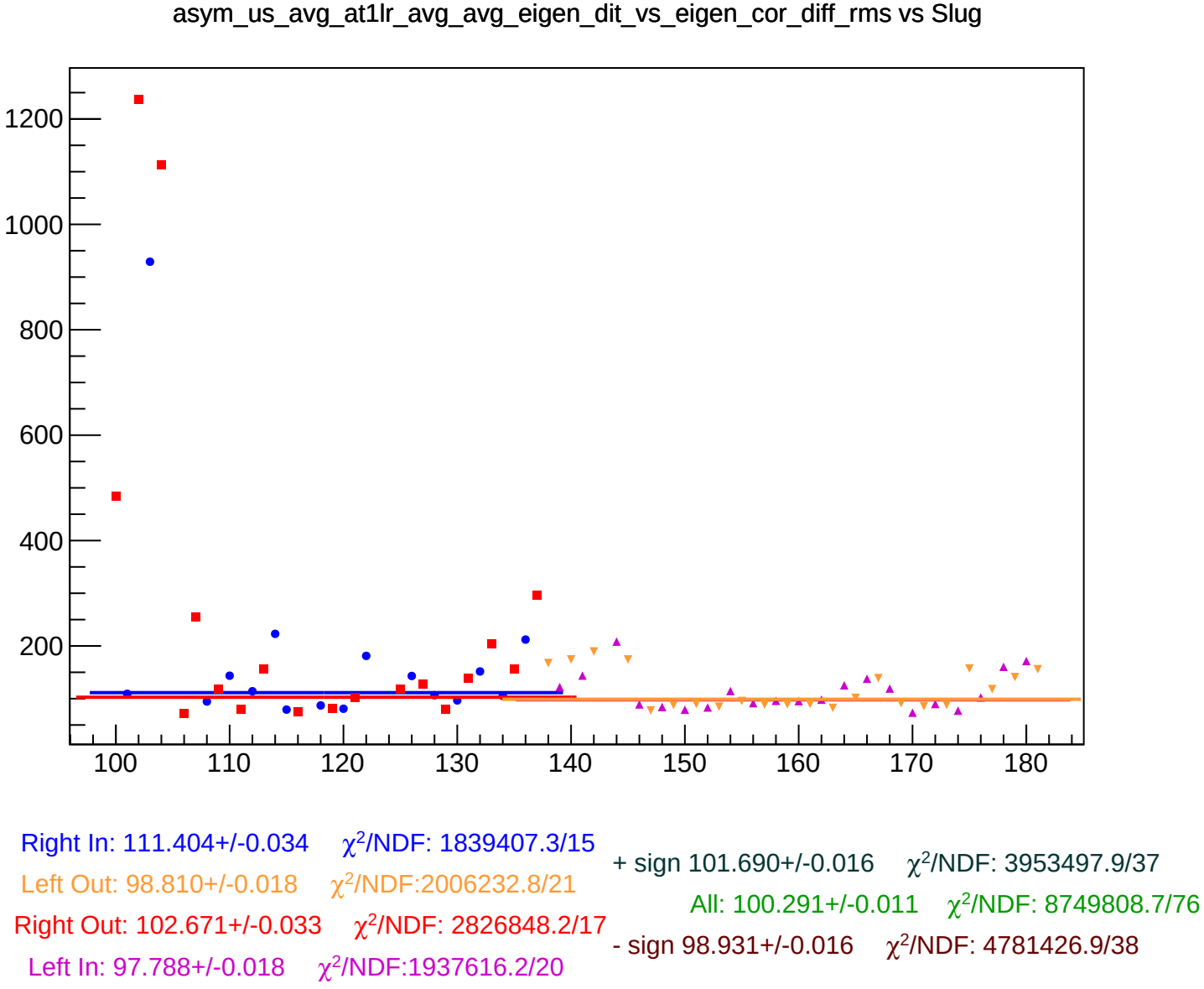
Right Out: 0.058+/-0.046 χ^2/NDF: 16.8/17

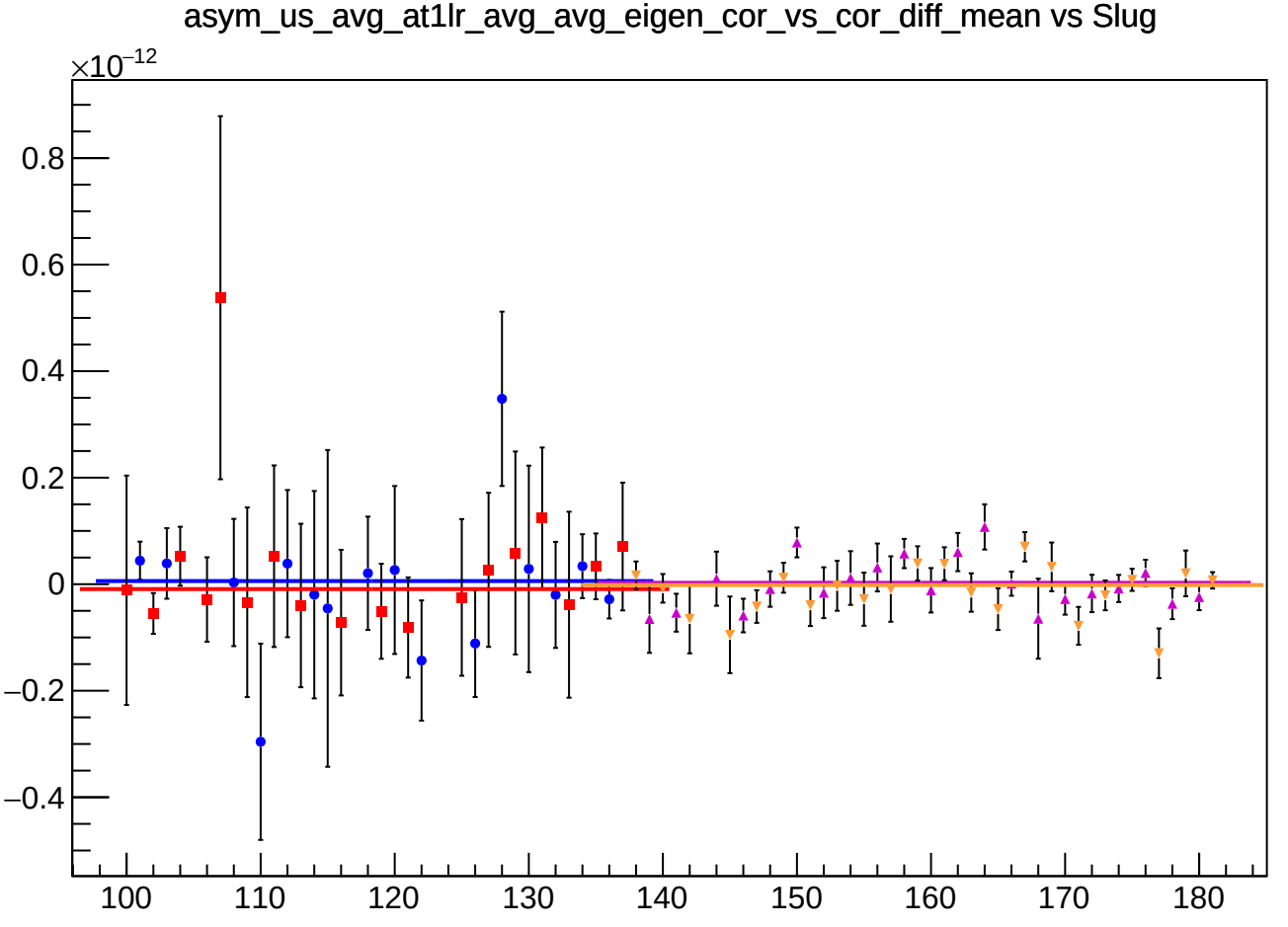
Left In: 0.045+/-0.026 χ^2/NDF:29.8/20

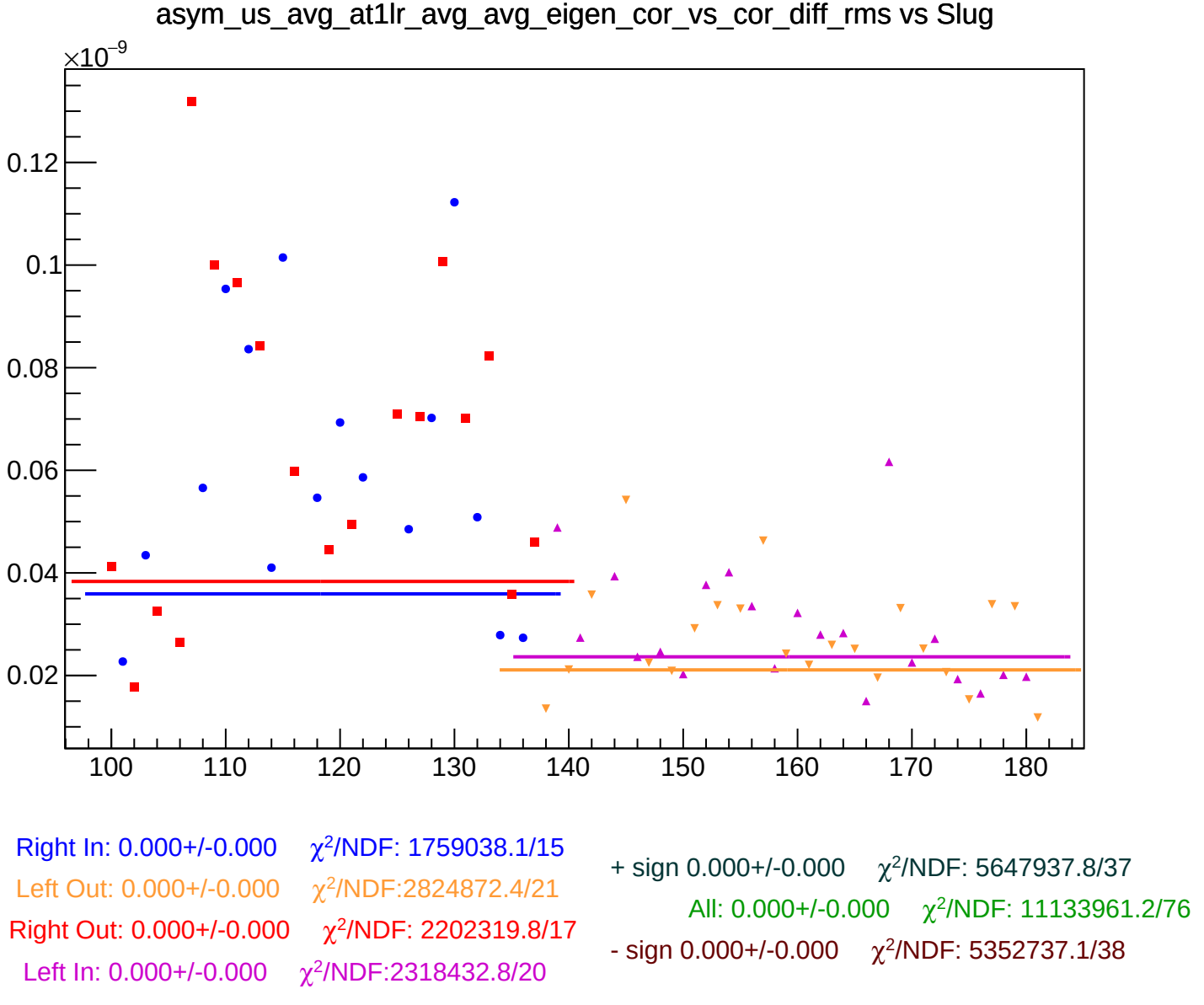
+ sign -0.015+/-0.023 χ^2/NDF: 40.0/37

All: 0.017+/-0.016 χ^2/NDF: 90.5/76

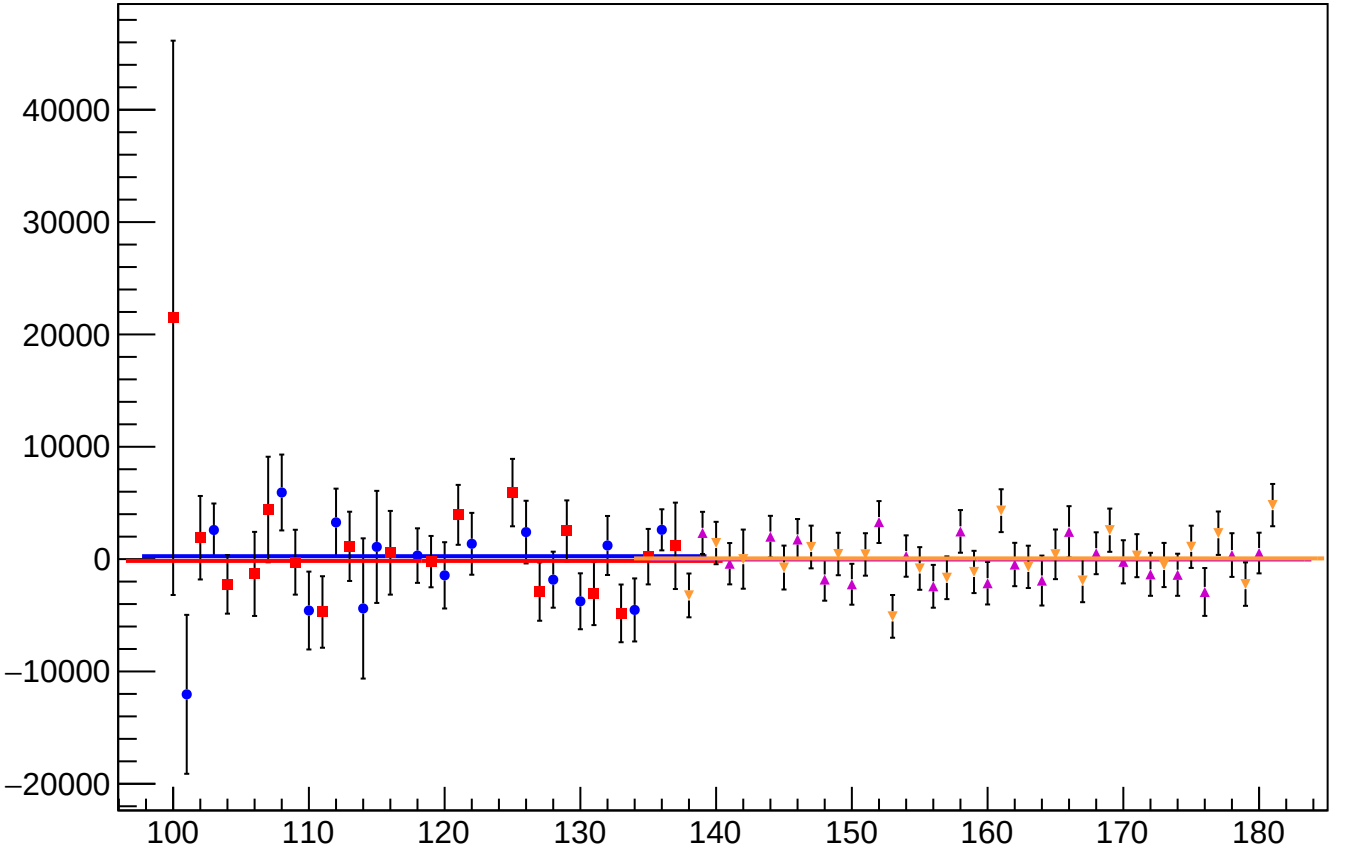
- sign 0.048+/-0.022 χ^2/NDF: 46.7/38


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: 98.810+/-0.018 χ²/NDF:2006232.8/21
Right Out: 102.671+/-0.033 χ²/NDF: 2826848.2/17
Left In: 97.788+/-0.018 χ²/NDF:1937616.2/20
+ sign 101.690+/-0.016 χ²/NDF: 3953497.9/37
All: 100.291+/-0.011 χ²/NDF: 8749808.7/76
- sign 98.931+/-0.016 χ²/NDF: 4781426.9/38


asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug
×10⁻¹²
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: 12.9/15
Left Out: -0.000+/-0.000 χ²/NDF:32.0/21
Right Out: -0.000+/-0.000 χ²/NDF: 8.7/17
Left In: 0.000+/-0.000 χ²/NDF:34.3/20
+ sign -0.000+/-0.000 χ²/NDF: 45.0/37
All: 0.000+/-0.000 χ²/NDF: 88.4/76
- sign 0.000+/-0.000 χ²/NDF: 43.3/38


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:2824872.4/21
Right Out: 0.000+/-0.000 χ²/NDF: 2202319.8/17
Left In: 0.000+/-0.000 χ²/NDF:2318432.8/20
+ sign 0.000+/-0.000 χ²/NDF: 5647937.8/37
All: 0.000+/-0.000 χ²/NDF: 11133961.2/76
- sign 0.000+/-0.000 χ²/NDF: 5352737.1/38

reg_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 259.502+/-709.700 χ^2/NDF: 19.4/15

Left Out: 63.836+/-414.018 χ^2/NDF:30.1/21

Right Out: -159.330+/-712.314 χ^2/NDF: 18.1/17

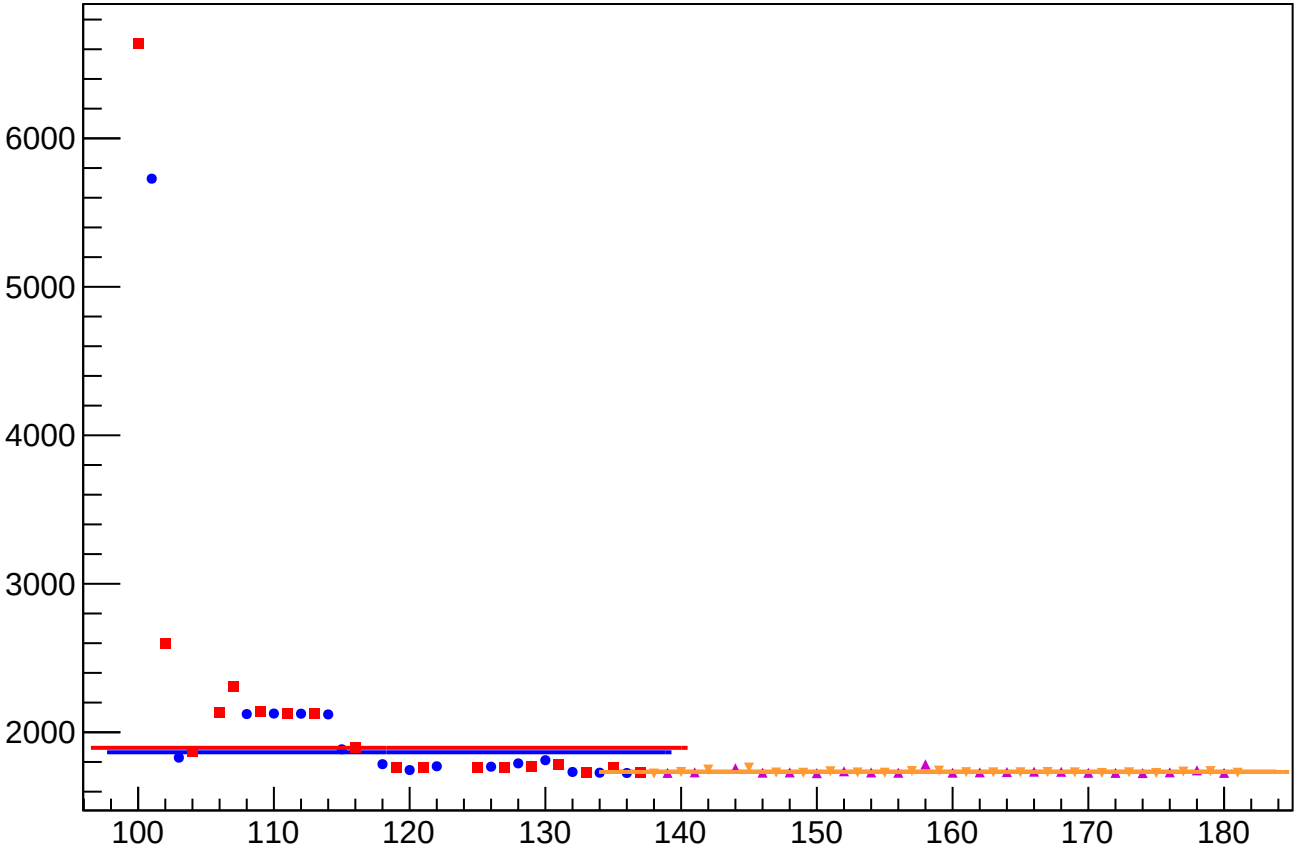
Left In: -34.494+/-417.479 χ^2/NDF:18.9/20

\+ sign 113.518+/-357.614 χ^2/NDF: 49.6/37

All: 24.196+/-253.773 χ^2/NDF: 86.8/76

\- sign -66.411+/-360.177 χ^2/NDF: 37.0/38

reg_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1865.170+/-0.502 χ^2/NDF: 672724.7/15

Left Out: 1732.783+/-0.293 χ^2/NDF:807.6/21

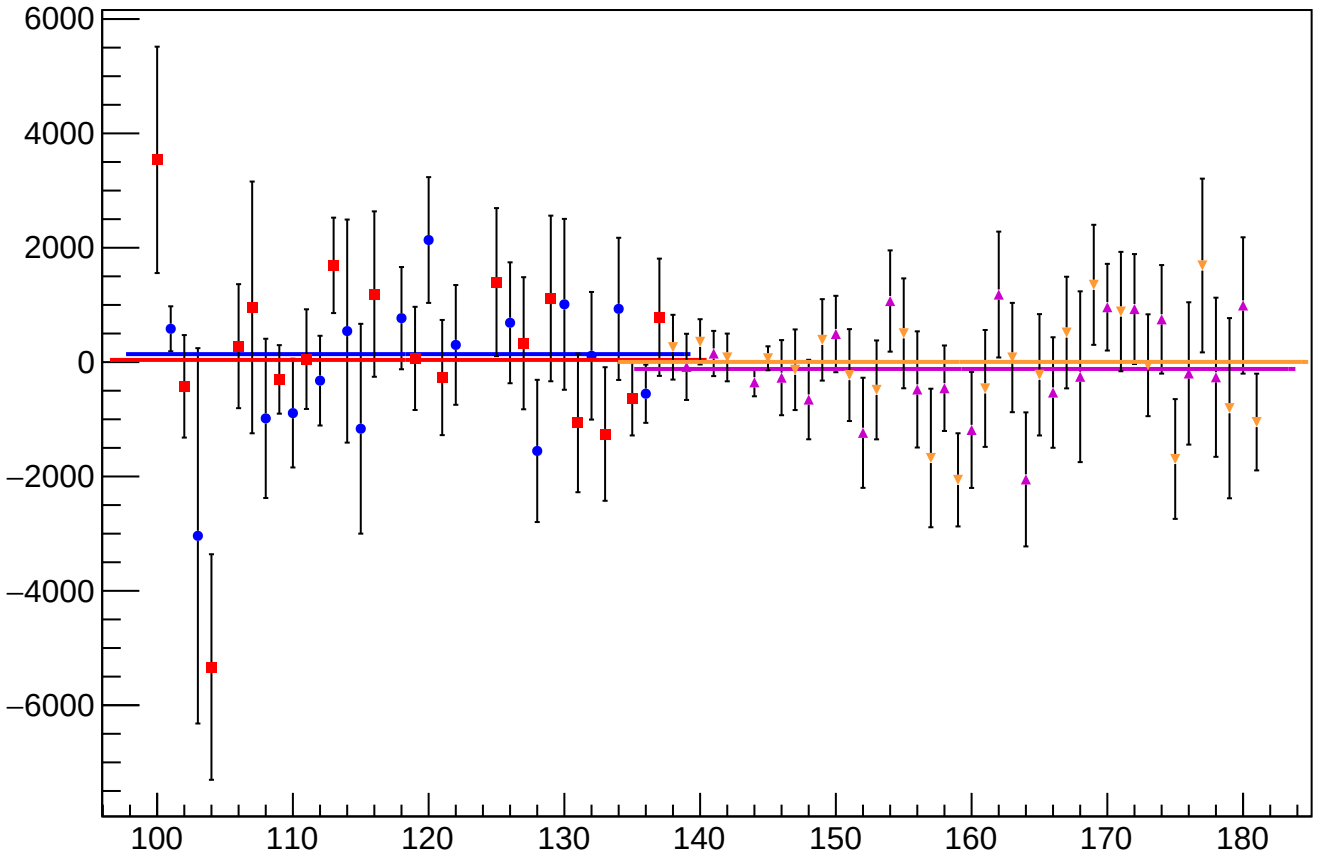
Right Out: 1895.250+/-0.504 χ^2/NDF: 250806.5/17

Left In: 1734.155+/-0.295 χ^2/NDF:2096.2/20

+ sign 1766.397+/-0.253 χ^2/NDF: 725456.1/37

All: 1770.838+/-0.179 χ^2/NDF: 1055120.4/76

- sign 1775.343+/-0.255 χ^2/NDF: 329043.0/38



Right In: 139.799+/-220.100 χ^2/NDF: 13.5/15

Left Out: 3.727+/-130.969 χ^2/NDF:19.0/21

Right Out: 38.629+/-238.253 χ^2/NDF: 21.4/17

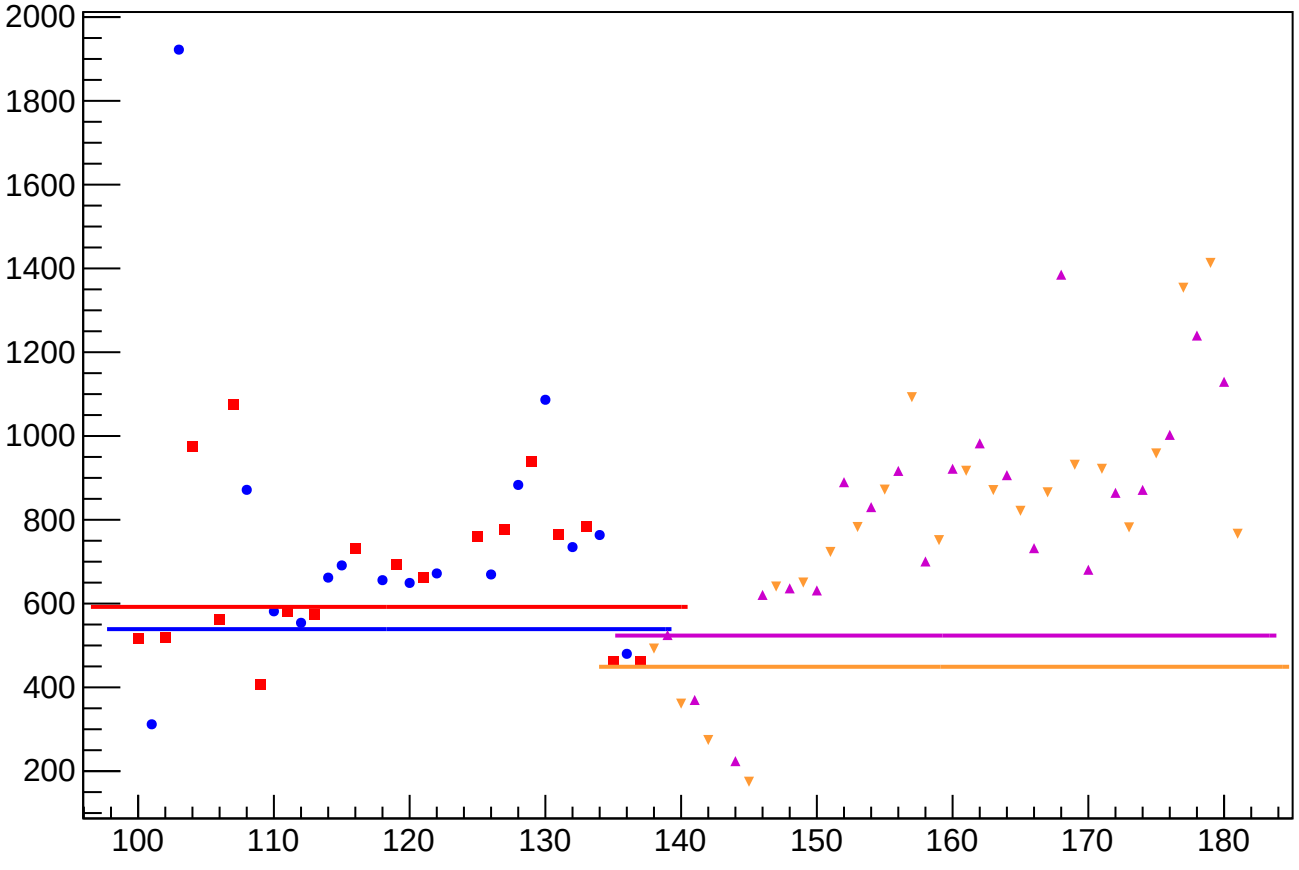
Left In: -119.759+/-144.904 χ^2/NDF:16.7/20

+ sign 39.308+/-112.550 χ^2/NDF: 32.8/37

All: -13.316+/-83.280 χ^2/NDF: 71.6/76

- sign -76.991+/-123.804 χ^2/NDF: 38.4/38

asym_us_avg_at1lr_avg_dd_reg_correction_rms vs Slug



Right In: 539.016+/-0.156 χ^2/NDF: 1854576.5/15

Left Out: 449.157+/-0.093 χ^2/NDF:10684904.4/21

Right Out: 592.101+/-0.168 χ^2/NDF: 843066.1/17

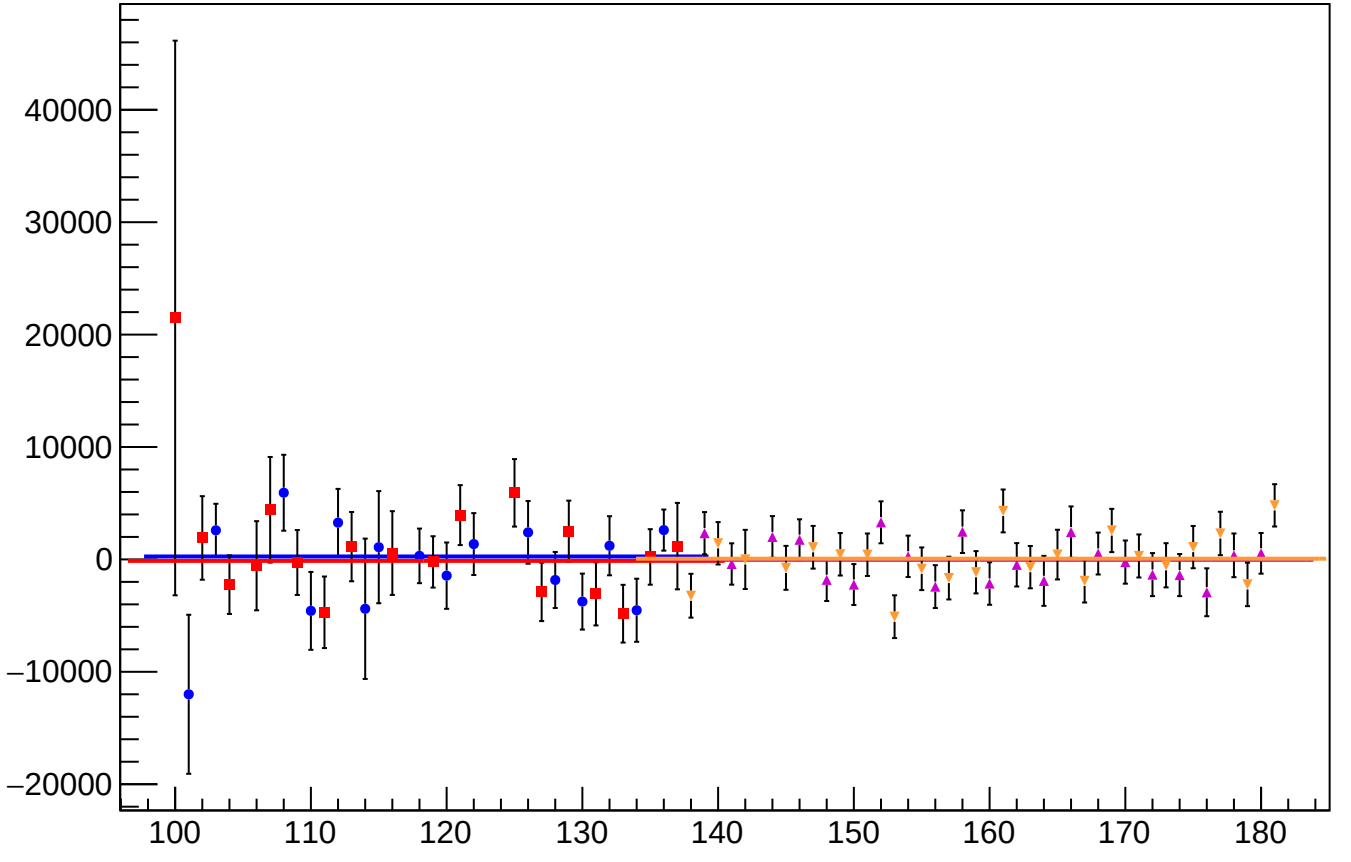
Left In: 523.641+/-0.102 χ^2/NDF:7959697.0/20

+ sign 472.654+/-0.080 χ^2/NDF: 12785670.2/37

All: 504.090+/-0.059 χ^2/NDF: 22053776.8/76

- sign 542.126+/-0.088 χ^2/NDF: 8923306.7/38

cor_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 259.689+/-709.700 χ^2/NDF: 19.4/15

Left Out: 63.894+/-414.018 χ^2/NDF:30.1/21

Right Out: -130.049+/-713.724 χ^2/NDF: 18.0/17

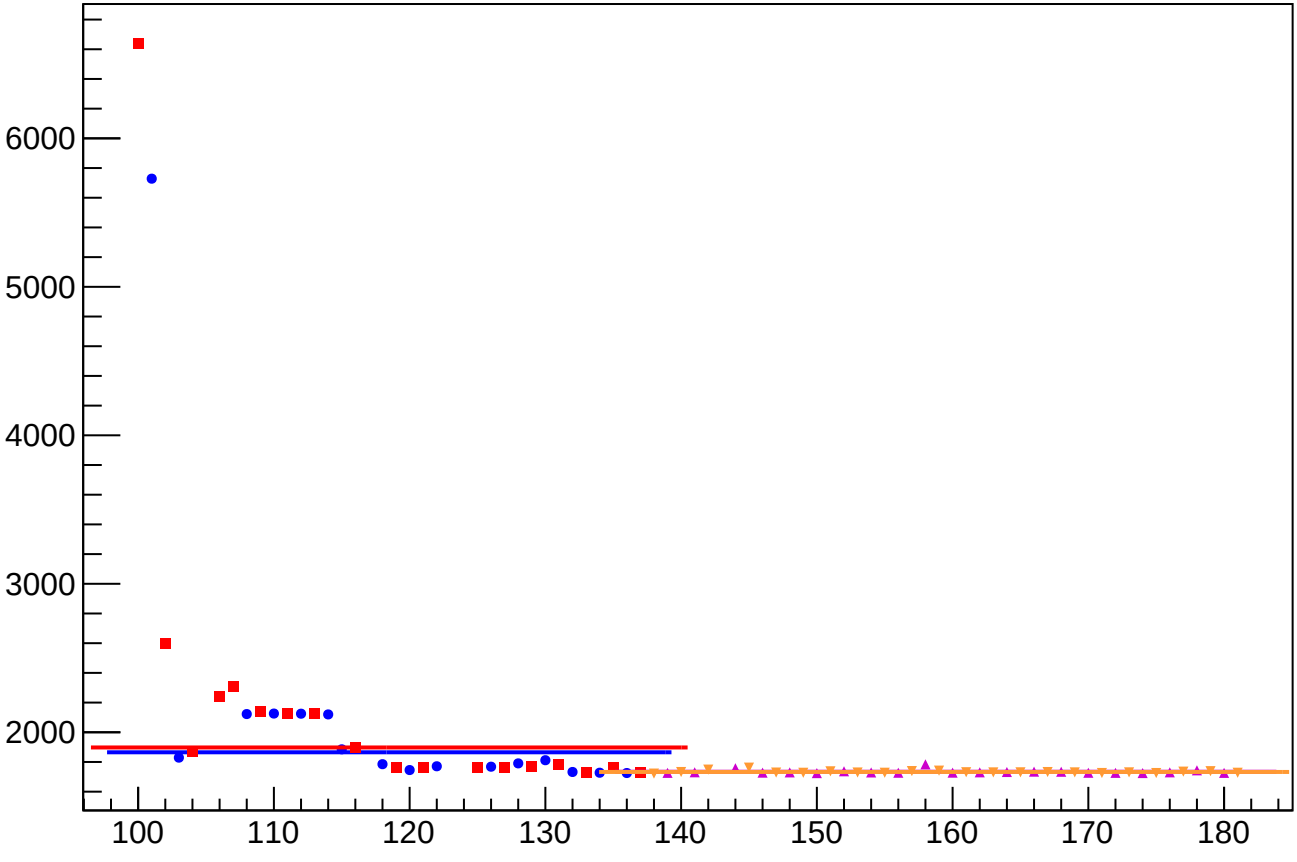
Left In: -34.409+/-417.479 χ^2/NDF:18.9/20

\+ sign 113.608+/-357.614 χ^2/NDF: 49.6/37

All: 28.068+/-253.836 χ^2/NDF: 86.7/76

\- sign -58.790+/-360.359 χ^2/NDF: 36.9/38

cor_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1865.170+/-0.502 χ^2/NDF: 672724.7/15

Left Out: 1732.783+/-0.293 χ^2/NDF:807.6/21

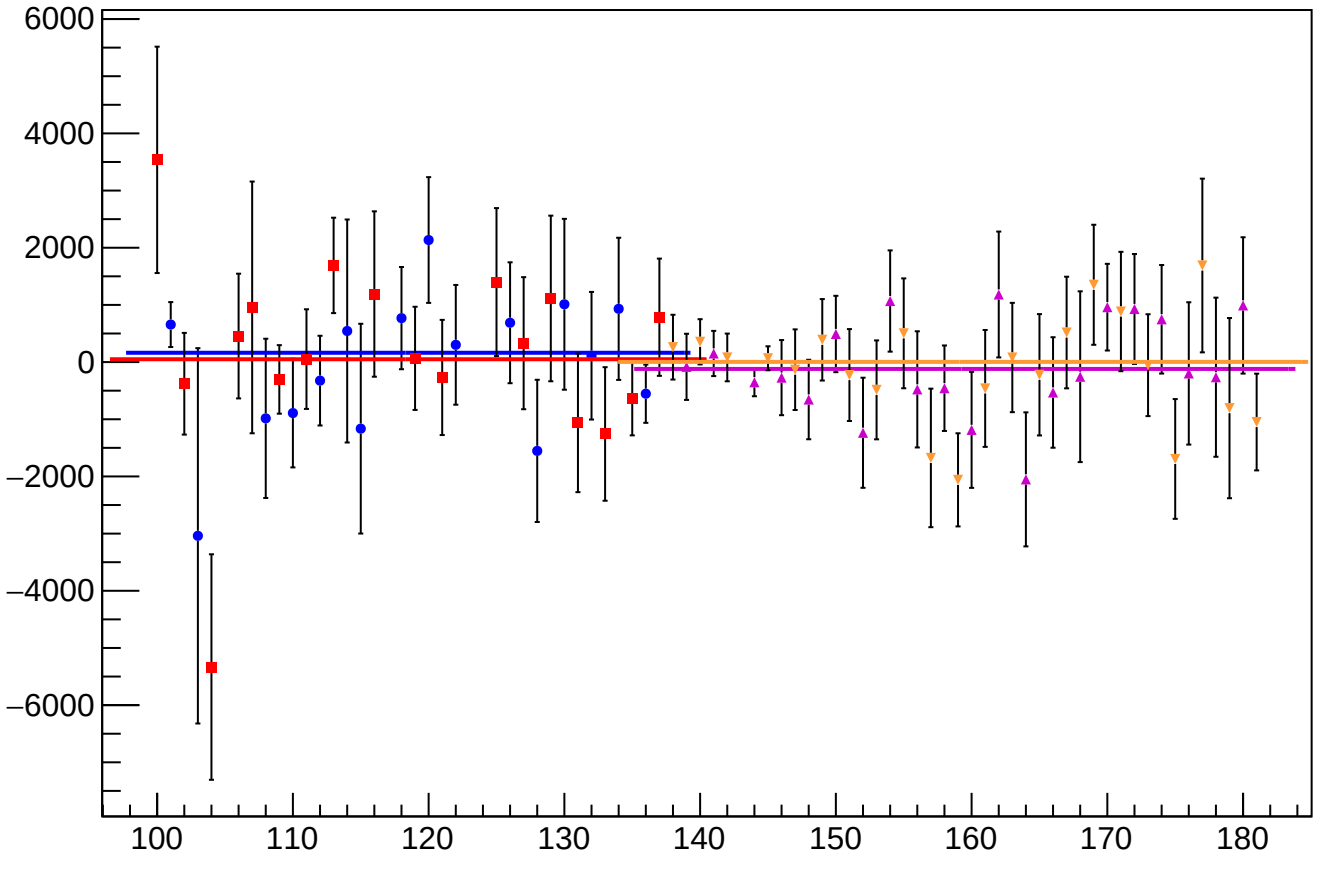
Right Out: 1897.700+/-0.505 χ^2/NDF: 257735.0/17

Left In: 1734.155+/-0.295 χ^2/NDF:2096.2/20

+ sign 1766.397+/-0.253 χ^2/NDF: 725455.9/37

All: 1771.086+/-0.179 χ^2/NDF: 1064223.6/76

- sign 1775.846+/-0.255 χ^2/NDF: 338074.8/38



Right In: 163.149+/-220.024 χ^2/NDF: 13.9/15

Left Out: 3.605+/-130.971 χ^2/NDF:19.0/21

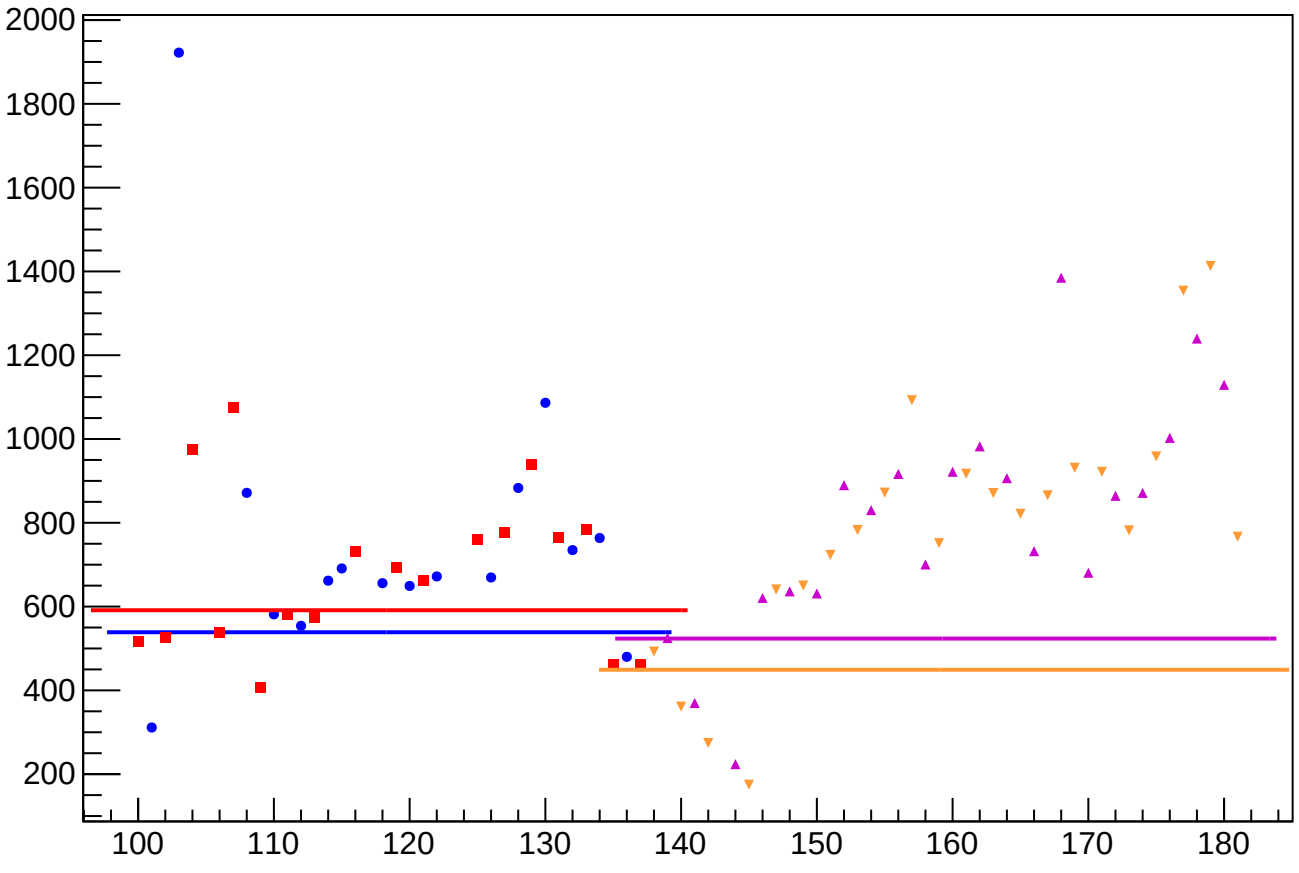
Right Out: 49.618+/-238.198 χ^2/NDF: 21.4/17

Left In: -119.731+/-144.904 χ^2/NDF:16.7/20

+ sign 45.346+/-112.541 χ^2/NDF: 33.3/37

All: -8.651+/-83.274 χ^2/NDF: 72.3/76

- sign -73.988+/-123.797 χ^2/NDF: 38.5/38



Right In: 538.703+/-0.156 χ^2/NDF: 1858892.9/15

Left Out: 449.167+/-0.093 χ^2/NDF:10684512.4/21

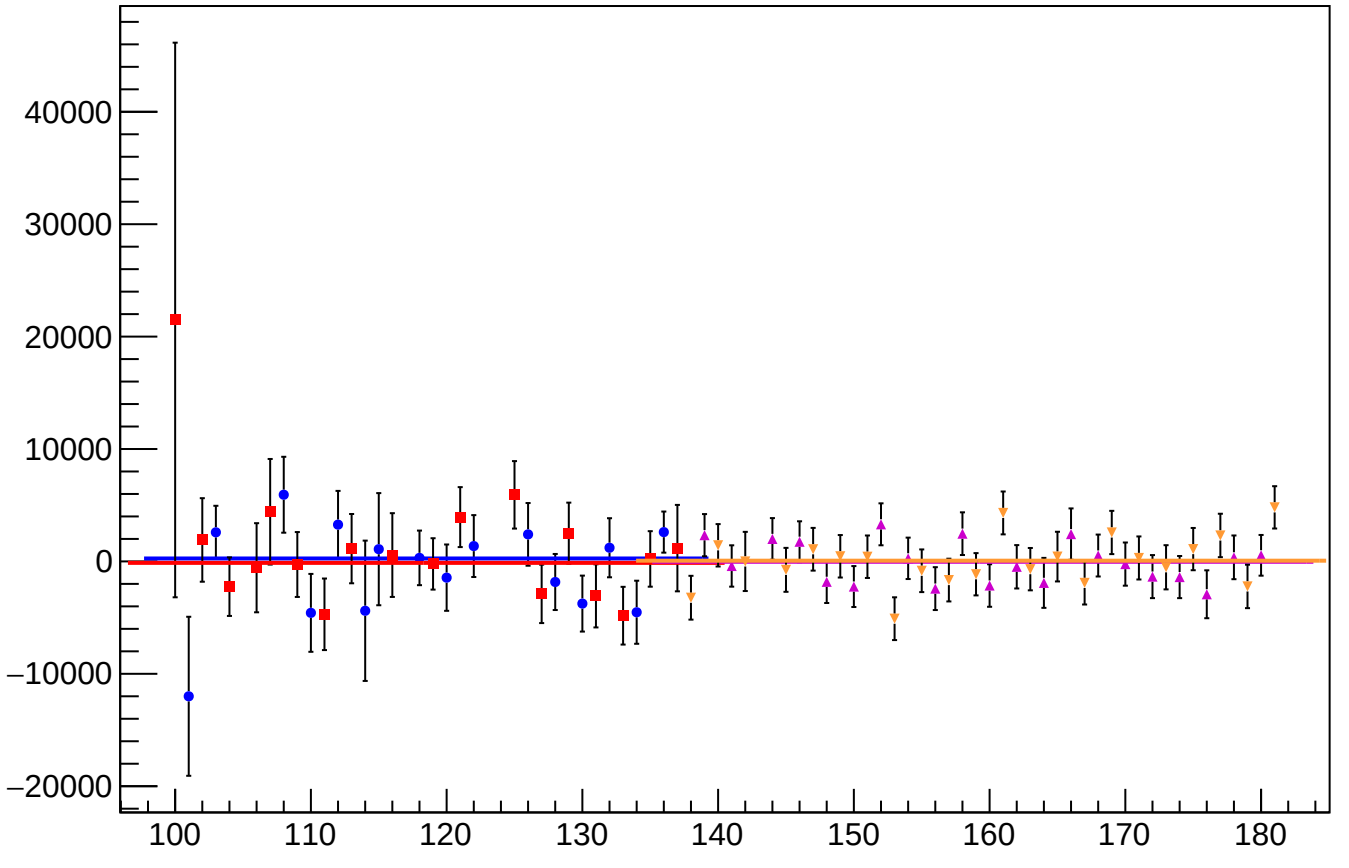
Right Out: 591.241+/-0.168 χ^2/NDF: 844536.8/17

Left In: 523.648+/-0.102 χ^2/NDF:7959186.0/20

+ sign 472.592+/-0.080 χ^2/NDF: 12787951.0/37

All: 503.956+/-0.059 χ^2/NDF: 22052499.5/76

- sign 541.906+/-0.088 χ^2/NDF: 8921271.4/38



Right In: 259.689+/-709.700 χ^2/NDF: 19.4/15

Left Out: 63.894+/-414.018 χ^2/NDF:30.1/21

Right Out: -130.049+/-713.724 χ^2/NDF: 18.0/17

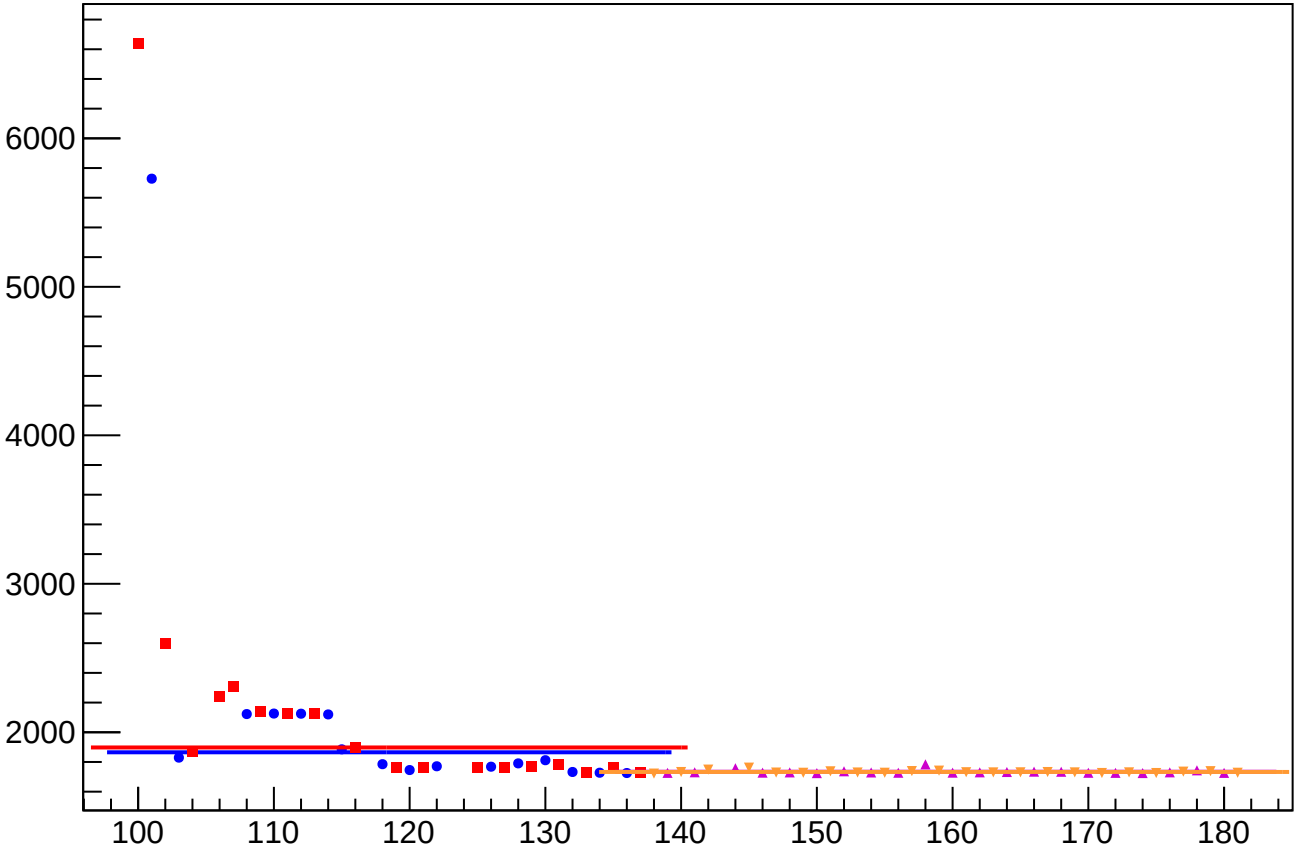
Left In: -34.409+/-417.479 χ^2/NDF:18.9/20

+ sign 113.608+/-357.614 χ^2/NDF: 49.6/37

All: 28.068+/-253.836 χ^2/NDF: 86.7/76

- sign -58.790+/-360.359 χ^2/NDF: 36.9/38

eigen_cor_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1865.170+/-0.502 χ^2/NDF: 672724.7/15

Left Out: 1732.783+/-0.293 χ^2/NDF:807.6/21

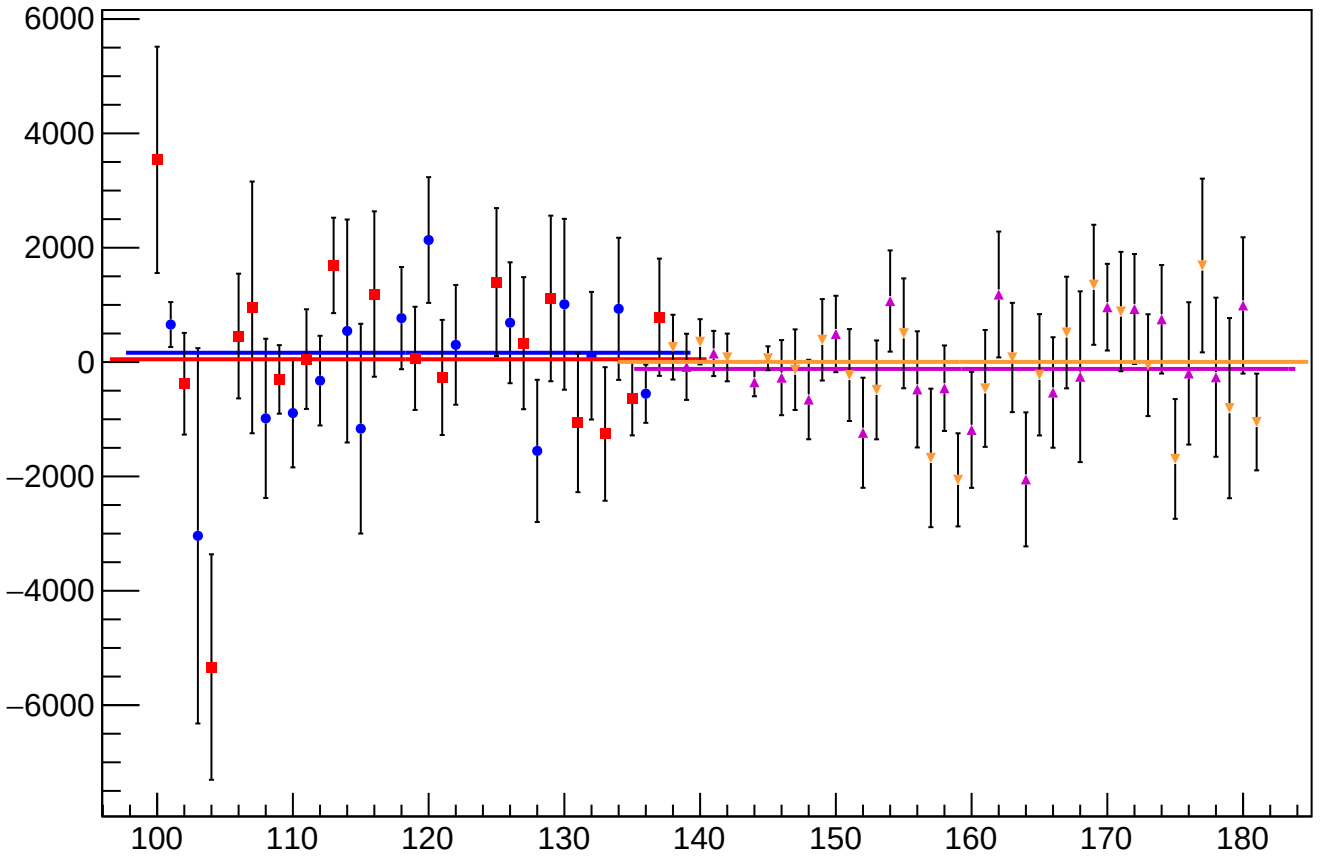
Right Out: 1897.700+/-0.505 χ^2/NDF: 257735.0/17

Left In: 1734.155+/-0.295 χ^2/NDF:2096.2/20

+ sign 1766.397+/-0.253 χ^2/NDF: 725455.9/37

All: 1771.086+/-0.179 χ^2/NDF: 1064223.6/76

- sign 1775.846+/-0.255 χ^2/NDF: 338074.8/38



Right In: 163.149+/-220.024 χ^2/NDF: 13.9/15

Left Out: 3.605+/-130.971 χ^2/NDF:19.0/21

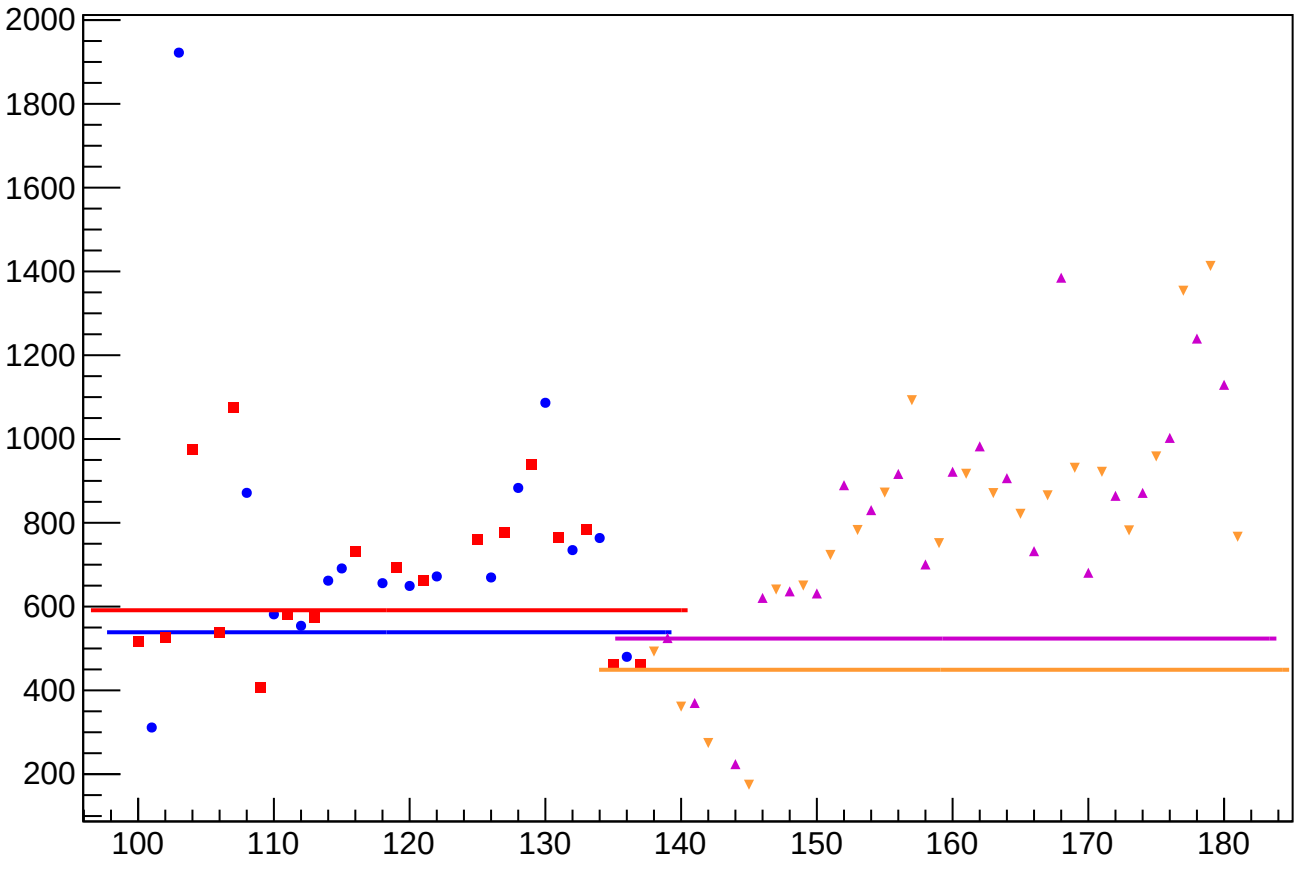
Right Out: 49.618+/-238.198 χ^2/NDF: 21.4/17

Left In: -119.731+/-144.904 χ^2/NDF:16.7/20

+ sign 45.346+/-112.541 χ^2/NDF: 33.3/37

All: -8.651+/-83.274 χ^2/NDF: 72.3/76

- sign -73.988+/-123.797 χ^2/NDF: 38.5/38



Right In: 538.703+/-0.156 χ^2/NDF: 1858892.9/15

Left Out: 449.167+/-0.093 χ^2/NDF:10684512.4/21

Right Out: 591.241+/-0.168 χ^2/NDF: 844536.8/17

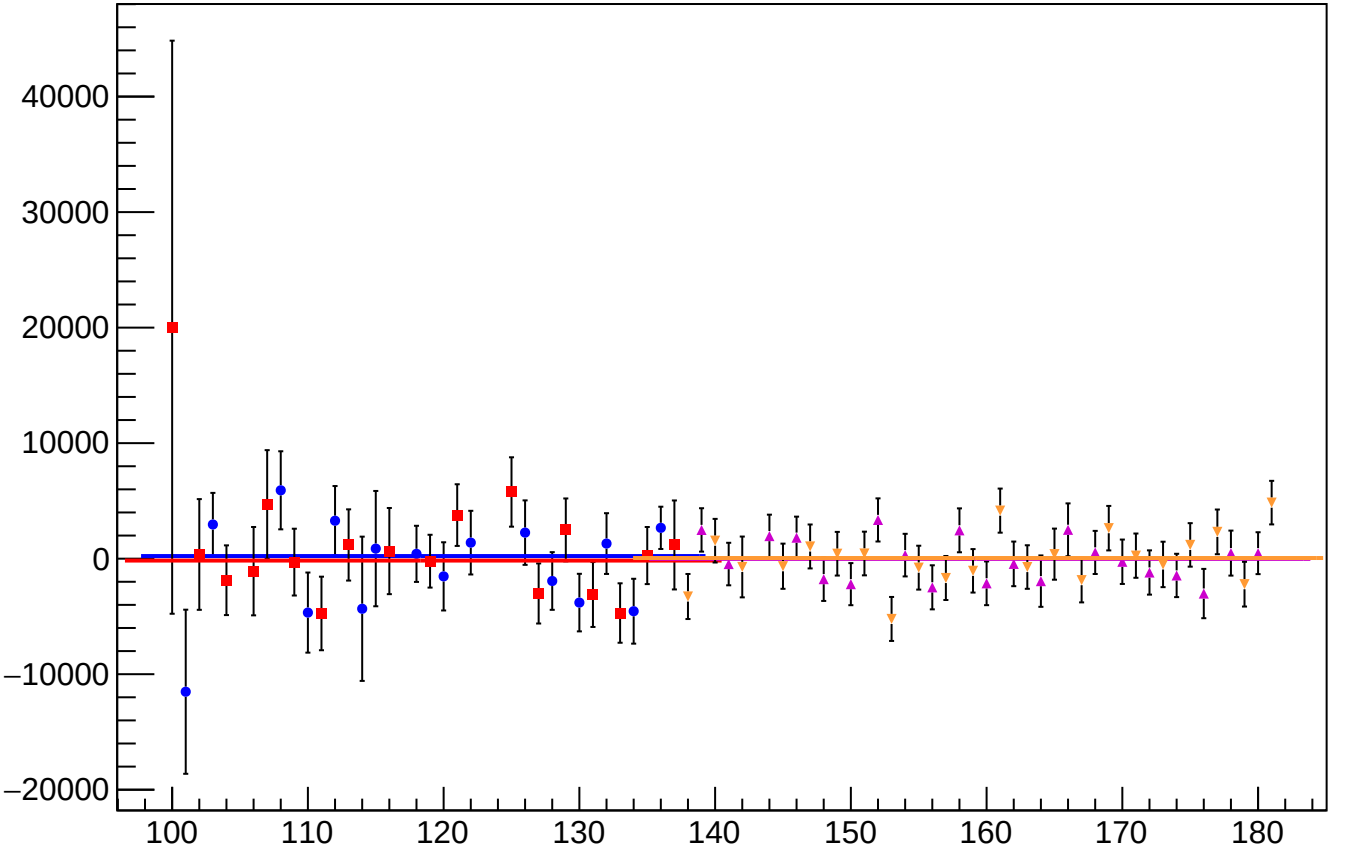
Left In: 523.648+/-0.102 χ^2/NDF:7959186.0/20

+ sign 472.592+/-0.080 χ^2/NDF: 12787951.0/37

All: 503.956+/-0.059 χ^2/NDF: 22052499.5/76

- sign 541.906+/-0.088 χ^2/NDF: 8921271.4/38

dit_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 226.227+/-718.556 χ^2/NDF: 19.4/15

Left Out: 56.169+/-414.347 χ^2/NDF:30.4/21

Right Out: -163.711+/-725.798 χ^2/NDF: 17.0/17

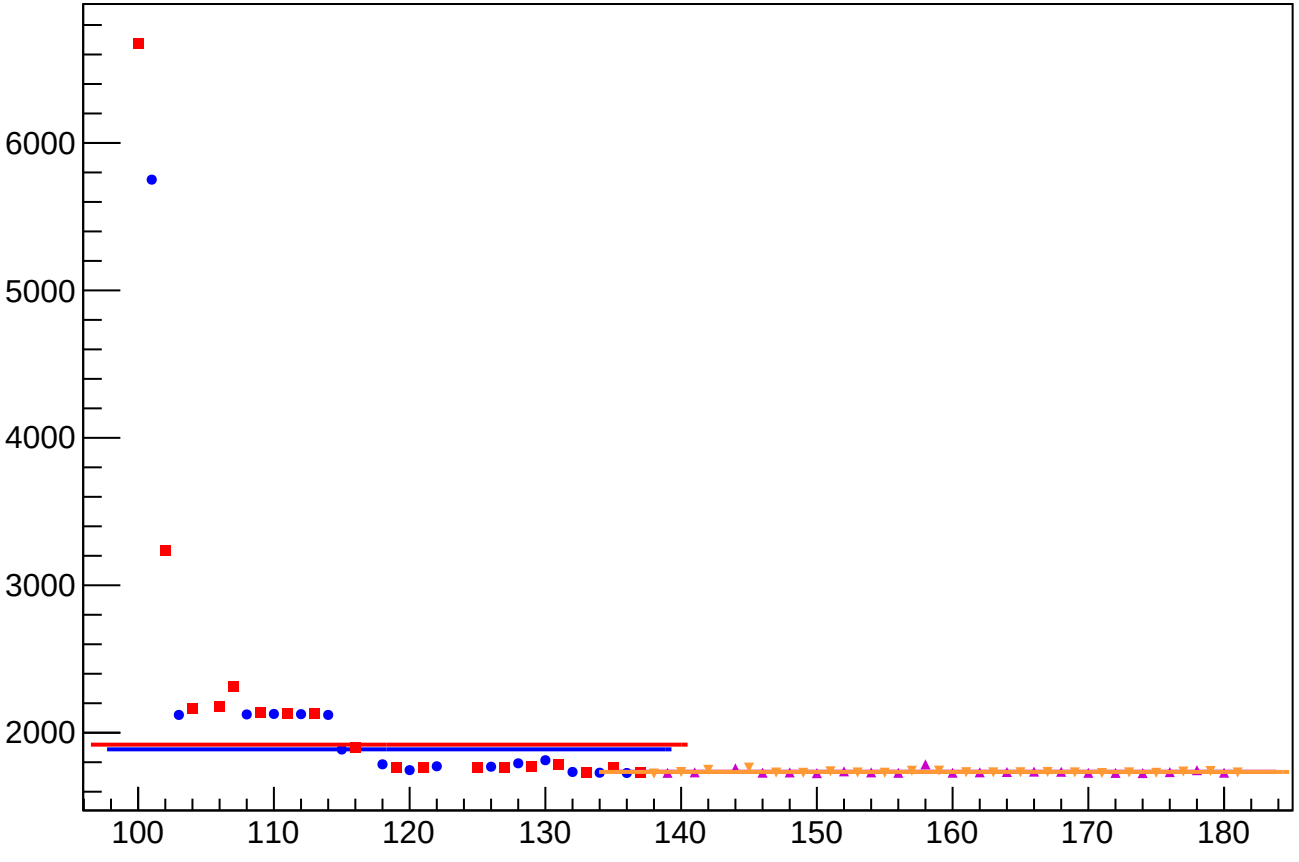
Left In: -18.583+/-417.793 χ^2/NDF:19.4/20

+ sign 98.605+/-358.945 χ^2/NDF: 49.9/37

All: 22.619+/-254.917 χ^2/NDF: 86.4/76

- sign -54.703+/-362.088 χ^2/NDF: 36.4/38

dit_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1887.310+/-0.508 χ^2/NDF: 689442.6/15

Left Out: 1734.155+/-0.293 χ^2/NDF:806.7/21

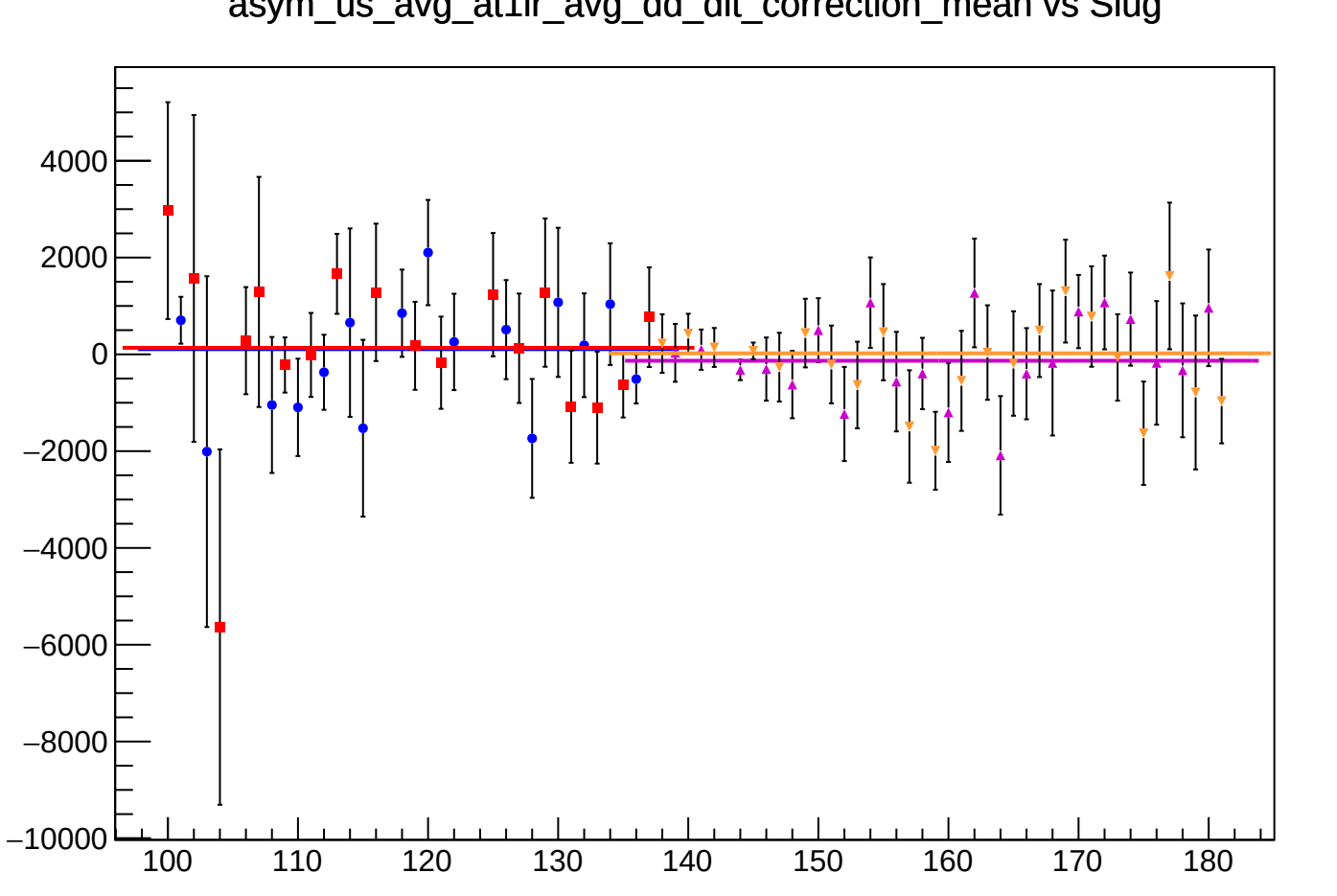
Right Out: 1919.164+/-0.513 χ^2/NDF: 352567.1/17

Left In: 1735.457+/-0.295 χ^2/NDF:2095.9/20

+ sign 1772.373+/-0.254 χ^2/NDF: 758435.8/37

All: 1776.738+/-0.180 χ^2/NDF: 1209936.5/76

- sign 1781.179+/-0.256 χ^2/NDF: 450904.1/38



Right In: 108.131+/-231.711 χ^2/NDF: 14.2/15

Left Out: 21.379+/-120.049 χ^2/NDF:18.2/21

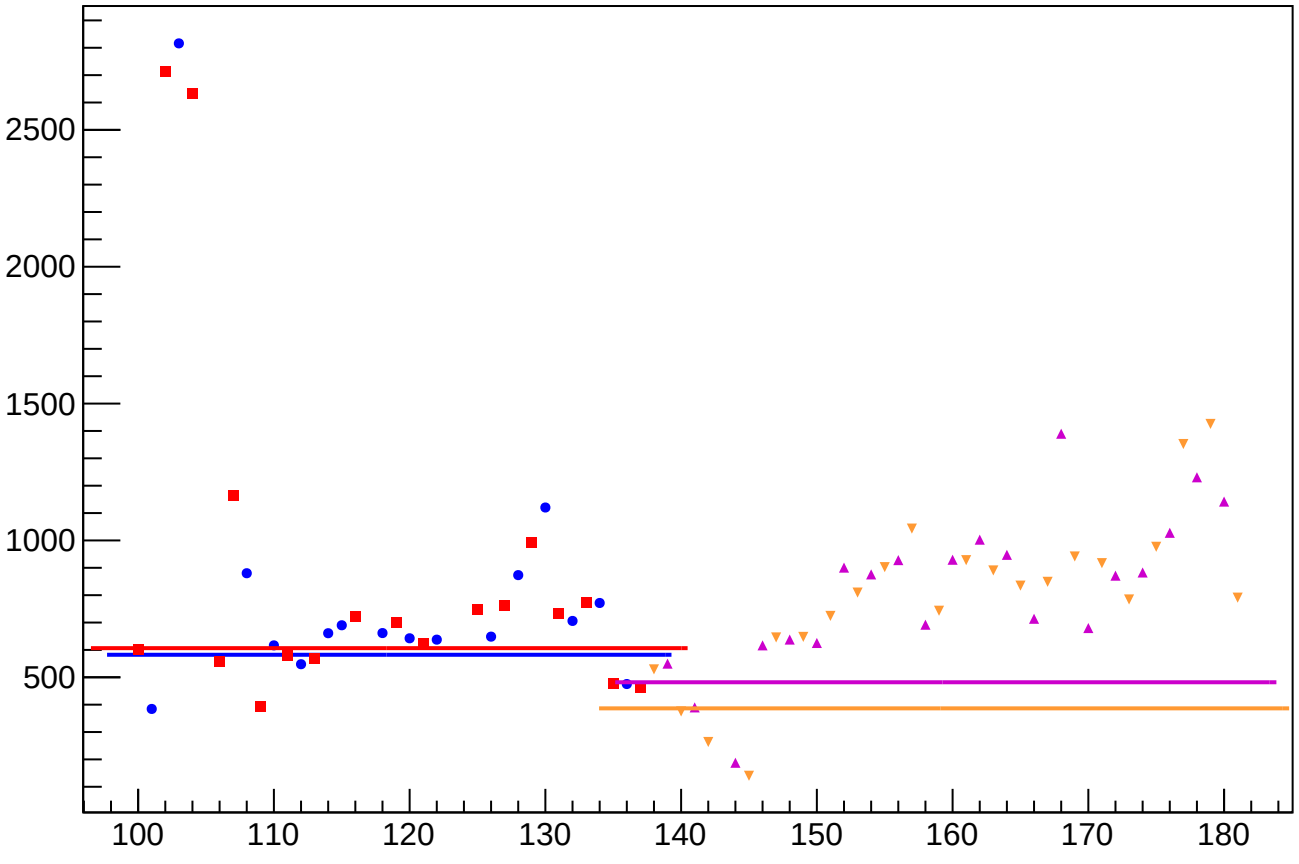
Right Out: 135.358+/-245.933 χ^2/NDF: 14.4/17

Left In: -131.994+/-138.489 χ^2/NDF:16.2/20

+ sign 39.738+/-106.593 χ^2/NDF: 32.4/37

All: -7.319+/-79.888 χ^2/NDF: 64.3/76

- sign -67.628+/-120.672 χ^2/NDF: 31.4/38



Right In: 582.270+/-0.164 χ^2/NDF: 1754301.3/15

Left Out: 386.483+/-0.085 χ^2/NDF:13449627.0/21

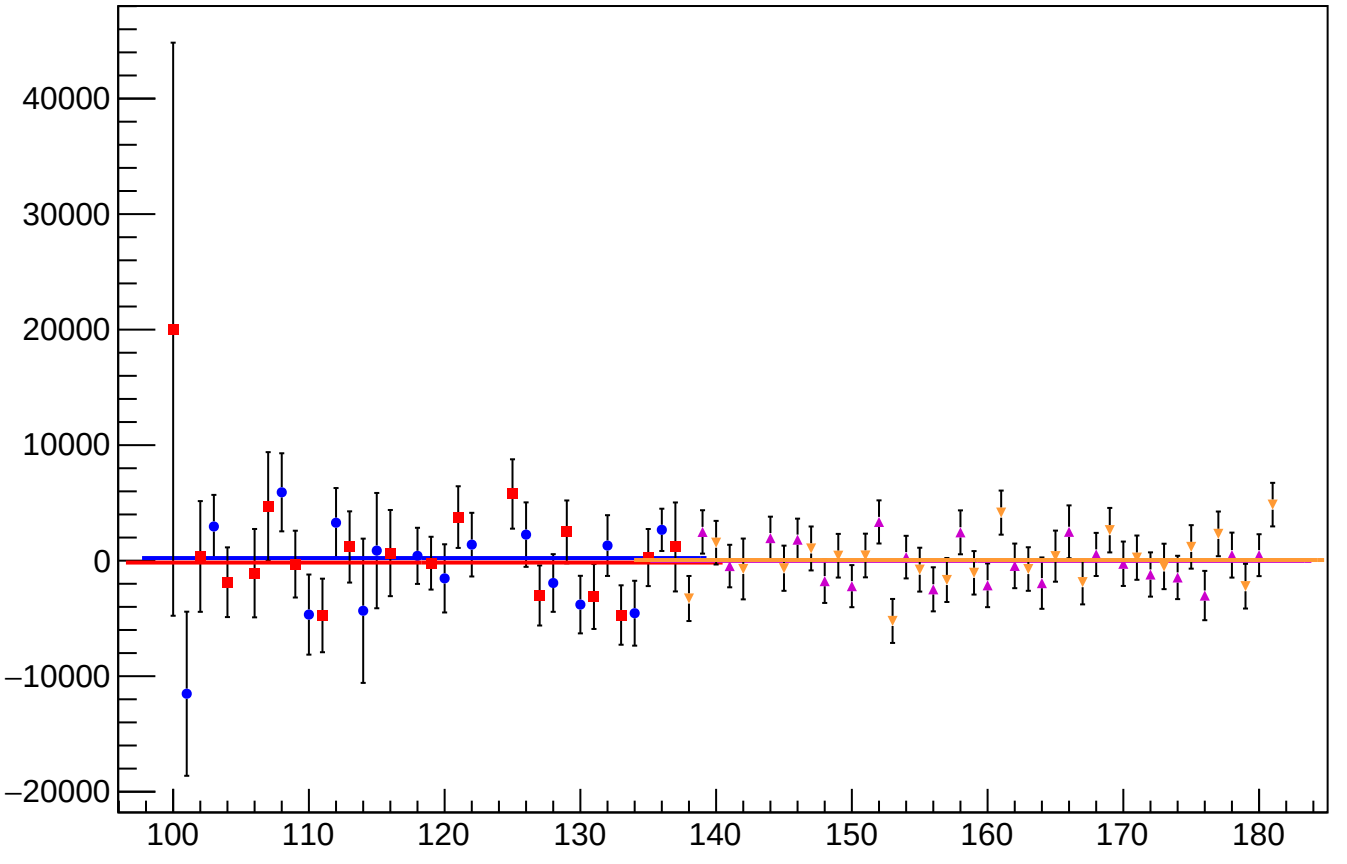
Right Out: 606.451+/-0.174 χ^2/NDF: 2198399.5/17

Left In: 481.827+/-0.098 χ^2/NDF:9825647.5/20

+ sign 427.916+/-0.075 χ^2/NDF: 16329670.7/37

All: 464.695+/-0.056 χ^2/NDF: 29286903.4/76

- sign 511.831+/-0.085 χ^2/NDF: 12413972.2/38



Right In: 226.227+/-718.556 χ^2/NDF: 19.4/15

Left Out: 56.166+/-414.347 χ^2/NDF:30.4/21

Right Out: -163.711+/-725.798 χ^2/NDF: 17.0/17

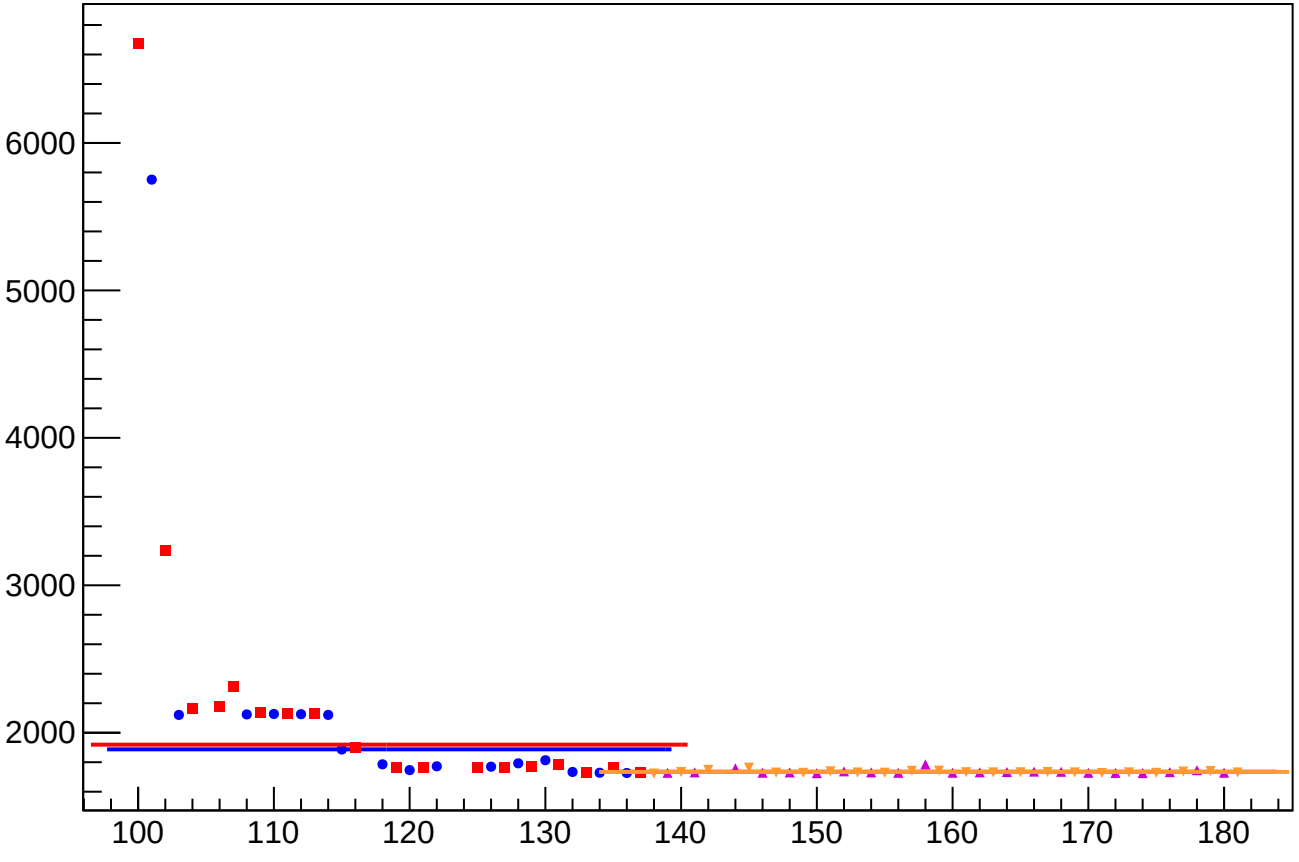
Left In: -18.583+/-417.793 χ^2/NDF:19.4/20

+ sign 98.603+/-358.945 χ^2/NDF: 49.9/37

All: 22.618+/-254.917 χ^2/NDF: 86.4/76

- sign -54.703+/-362.088 χ^2/NDF: 36.4/38

eigen_dit_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1887.310+/-0.508 χ^2/NDF: 689442.4/15

Left Out: 1734.155+/-0.293 χ^2/NDF:806.7/21

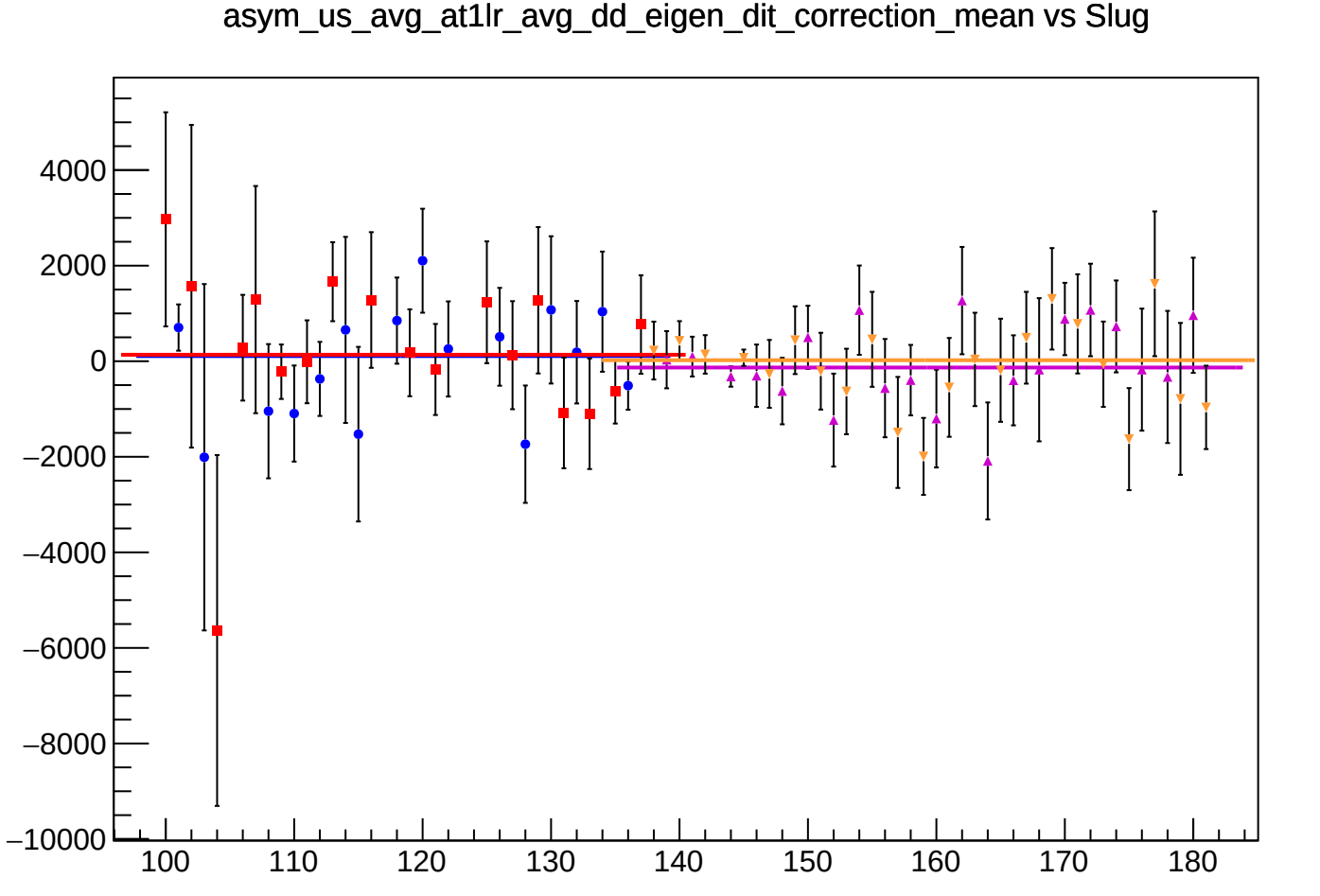
Right Out: 1919.164+/-0.513 χ^2/NDF: 352566.4/17

Left In: 1735.457+/-0.295 χ^2/NDF:2095.9/20

+ sign 1772.373+/-0.254 χ^2/NDF: 758435.5/37

All: 1776.738+/-0.180 χ^2/NDF: 1209935.2/76

- sign 1781.179+/-0.256 χ^2/NDF: 450903.2/38



Right In: 108.128+/-231.710 χ^2/NDF: 14.2/15

Left Out: 21.377+/-120.049 χ^2/NDF:18.2/21

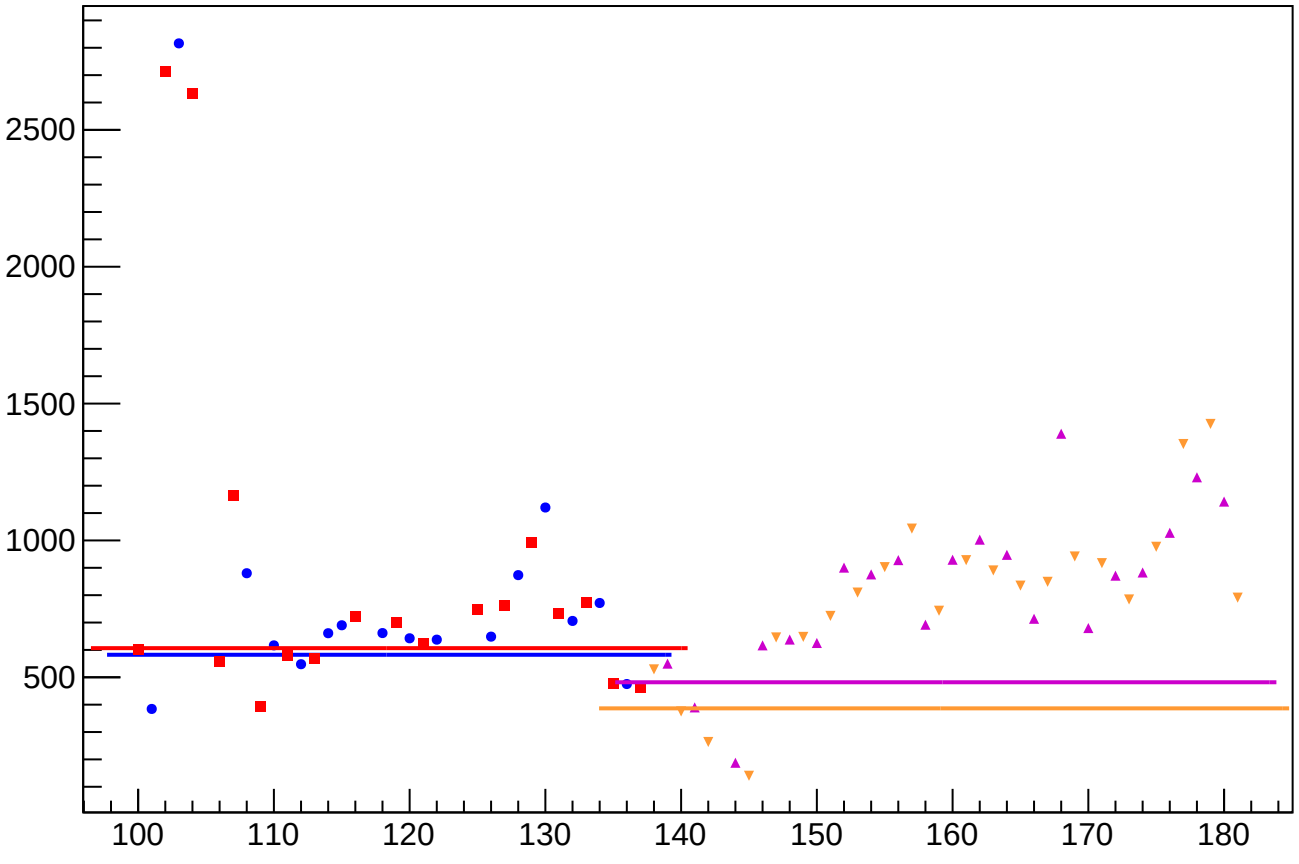
Right Out: 135.356+/-245.932 χ^2/NDF: 14.4/17

Left In: -131.995+/-138.489 χ^2/NDF:16.2/20

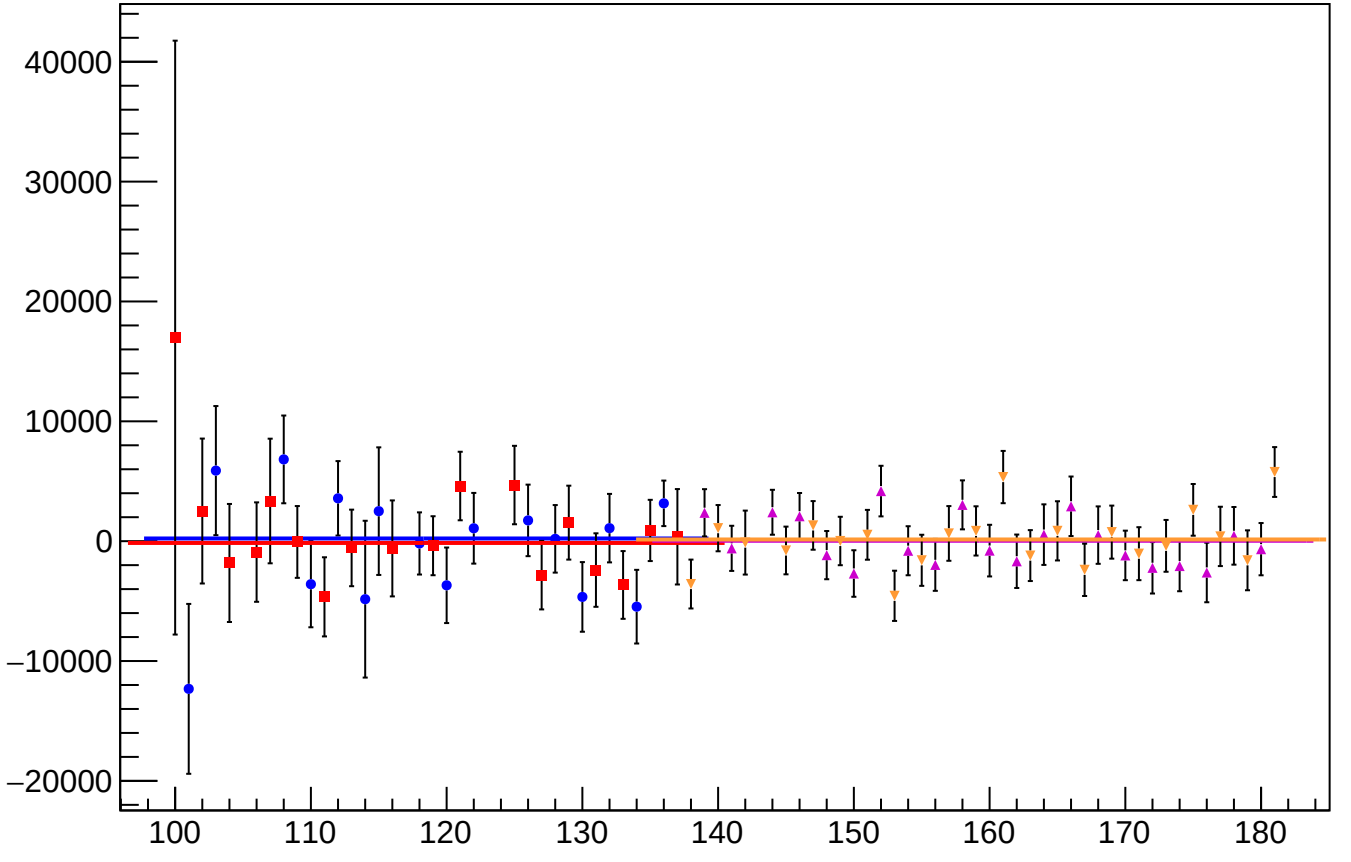
+ sign 39.736+/-106.593 χ^2/NDF: 32.4/37

All: -7.320+/-79.888 χ^2/NDF: 64.3/76

- sign -67.628+/-120.672 χ^2/NDF: 31.4/38


asym_us_avg_at1lr_avg_dd_eigen_dit_correction_rms vs Slug
2500
2000
1500
1000
500
100
110
120
130
140
150
160
170
180
Right In: 582.268+/-0.164 χ²/NDF: 1754289.3/15
Left Out: 386.483+/-0.085 χ²/NDF:13449669.4/21
Right Out: 606.447+/-0.174 χ²/NDF: 2198414.3/17
Left In: 481.827+/-0.098 χ²/NDF:9825671.5/20
+ sign 427.916+/-0.075 χ²/NDF: 16329686.4/37
All: 464.695+/-0.056 χ²/NDF: 29286933.5/76
- sign 511.830+/-0.085 χ²/NDF: 12413986.6/38

asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 224.521+/-791.678 χ^2/NDF: 21.2/15

Left Out: 141.003+/-461.425 χ^2/NDF:27.1/21

Right Out: -147.974+/-794.180 χ^2/NDF: 11.6/17

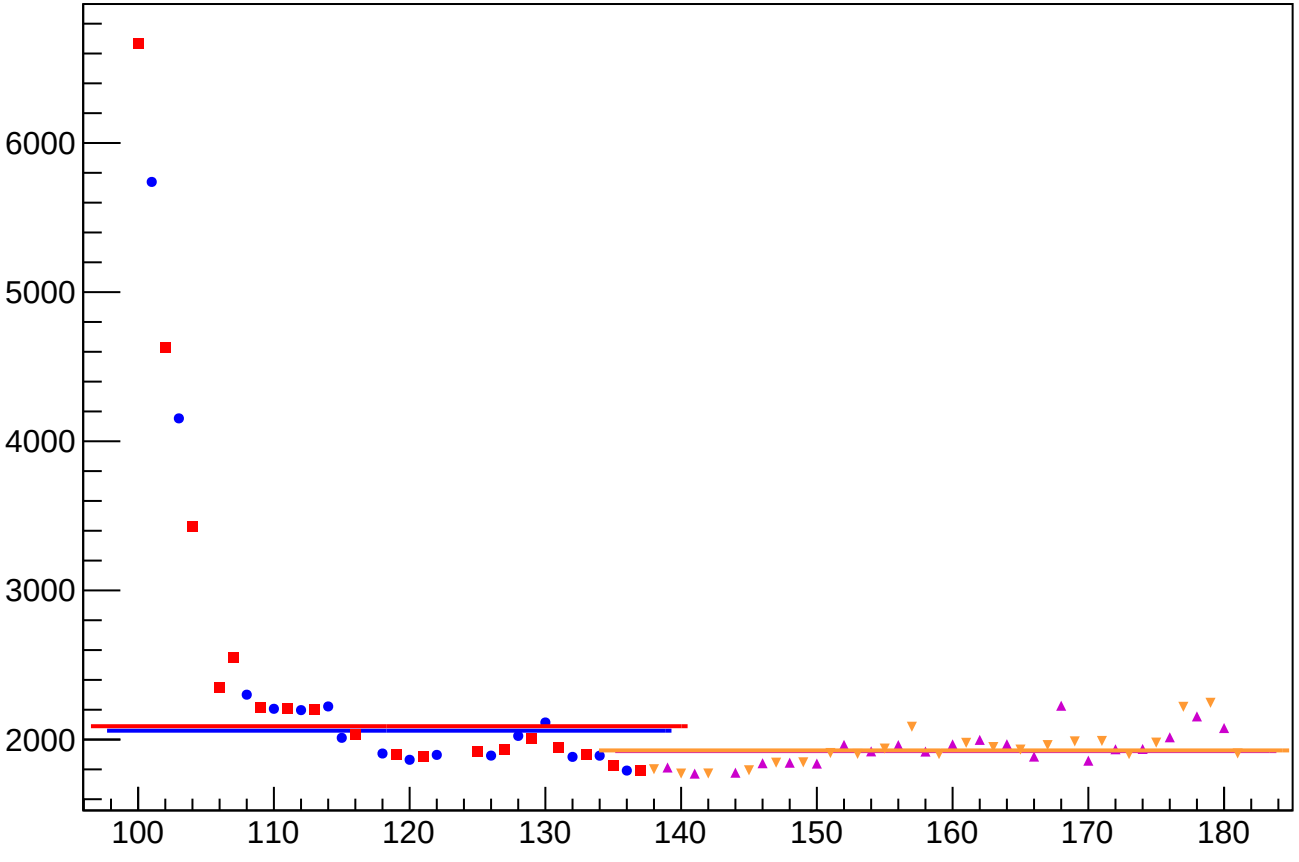
Left In: 32.875+/-463.687 χ^2/NDF:19.5/20

+ sign 162.180+/-398.654 χ^2/NDF: 48.3/37

All: 74.929+/-282.518 χ^2/NDF: 79.5/76

- sign -13.102+/-400.432 χ^2/NDF: 31.1/38

asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 2059.496+/-0.560 χ^2/NDF: 939873.6/15

Left Out: 1927.169+/-0.326 χ^2/NDF:120254.2/21

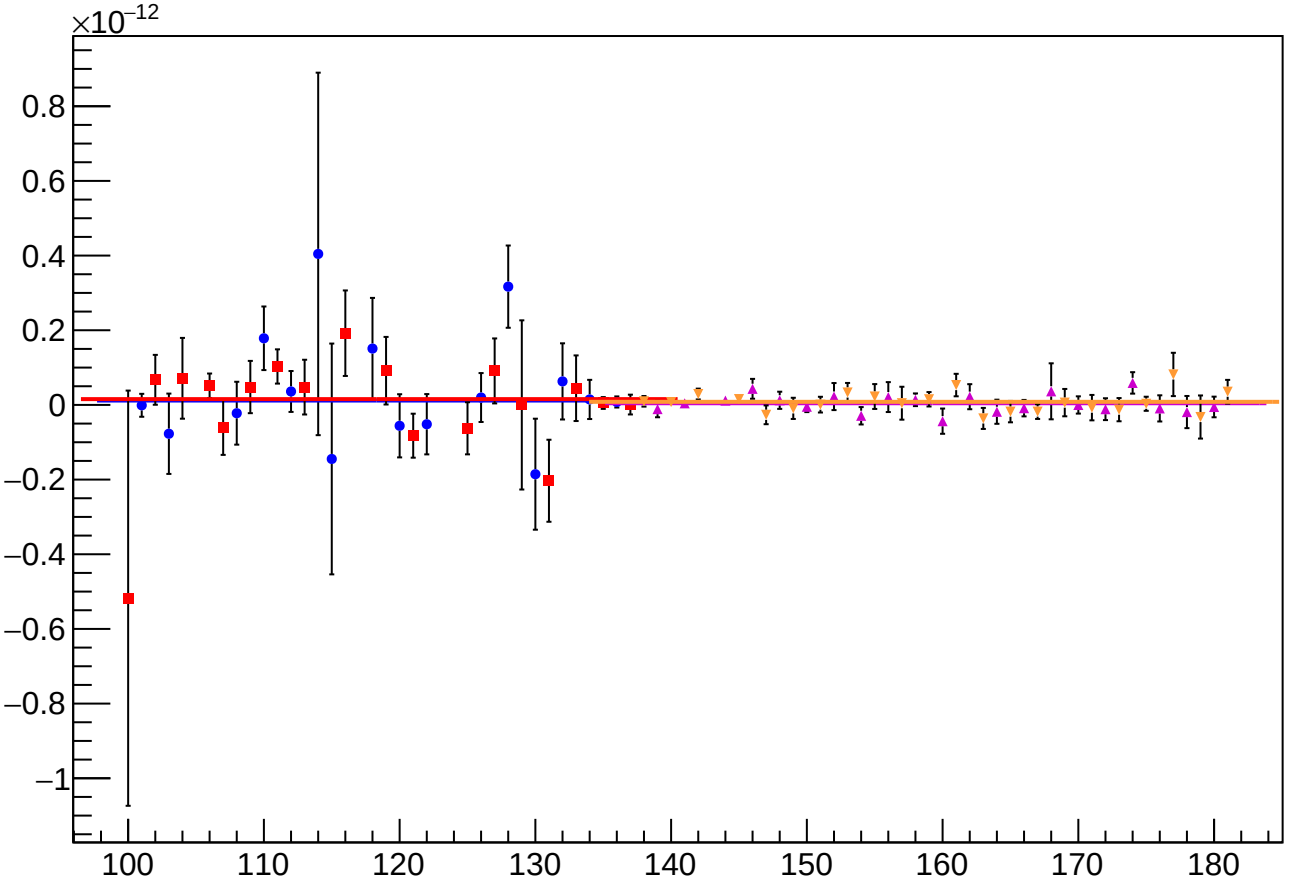
Right Out: 2089.476+/-0.562 χ^2/NDF: 681465.8/17

Left In: 1922.590+/-0.328 χ^2/NDF:112890.5/20

+ sign 1960.723+/-0.282 χ^2/NDF: 1101835.8/37

All: 1962.861+/-0.200 χ^2/NDF: 1962170.6/76

- sign 1965.017+/-0.283 χ^2/NDF: 860219.3/38



Right In: 0.000+/-0.000 χ^2/NDF: 18.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.0/21

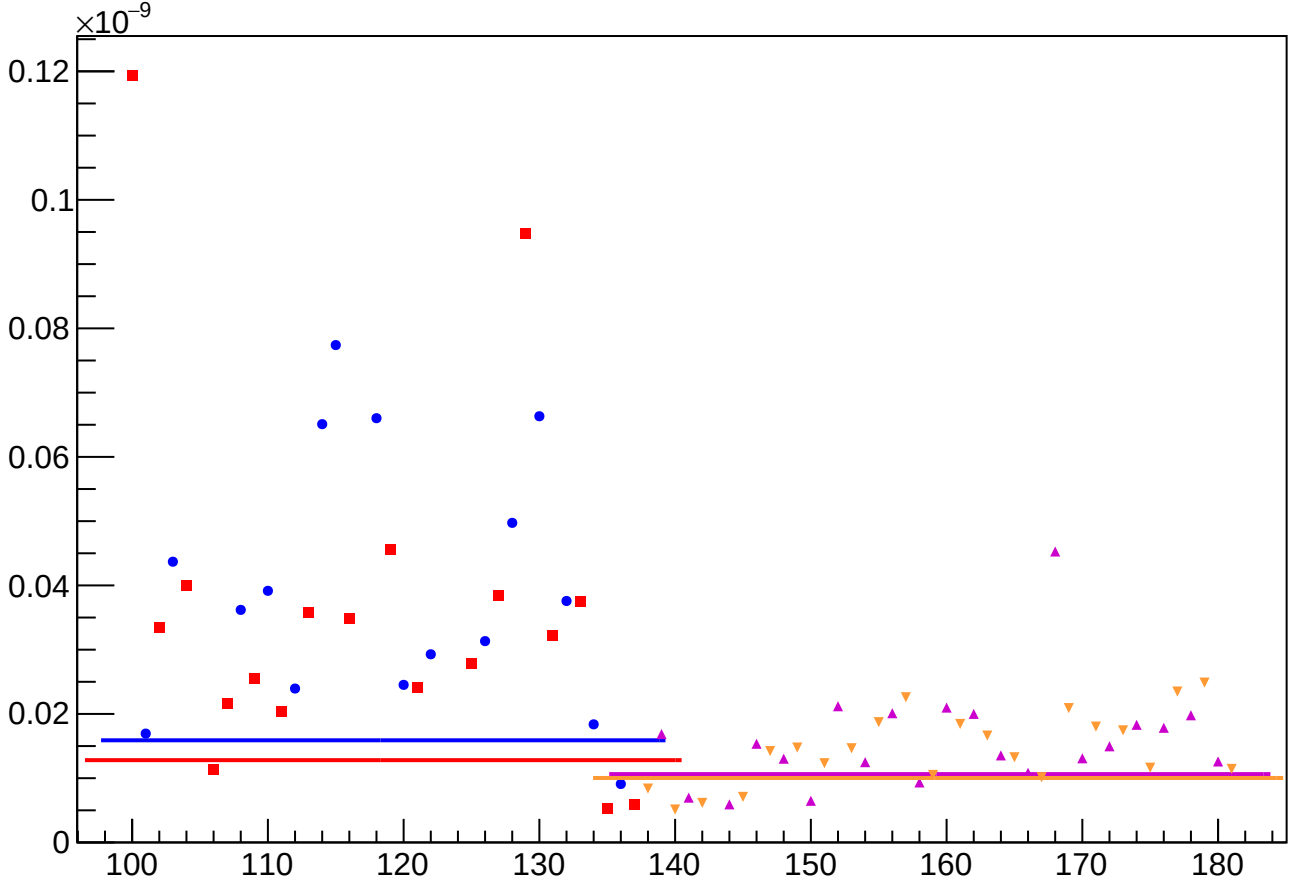
Right Out: 0.000+/-0.000 χ^2/NDF: 20.7/17

Left In: 0.000+/-0.000 χ^2/NDF:14.4/20

+ sign 0.000+/-0.000 χ^2/NDF: 35.1/37

All: 0.000+/-0.000 χ^2/NDF: 71.3/76

- sign 0.000+/-0.000 χ^2/NDF: 36.0/38



Right In: 0.000+/-0.000 χ^2/NDF: 1935582.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:2254459.8/21

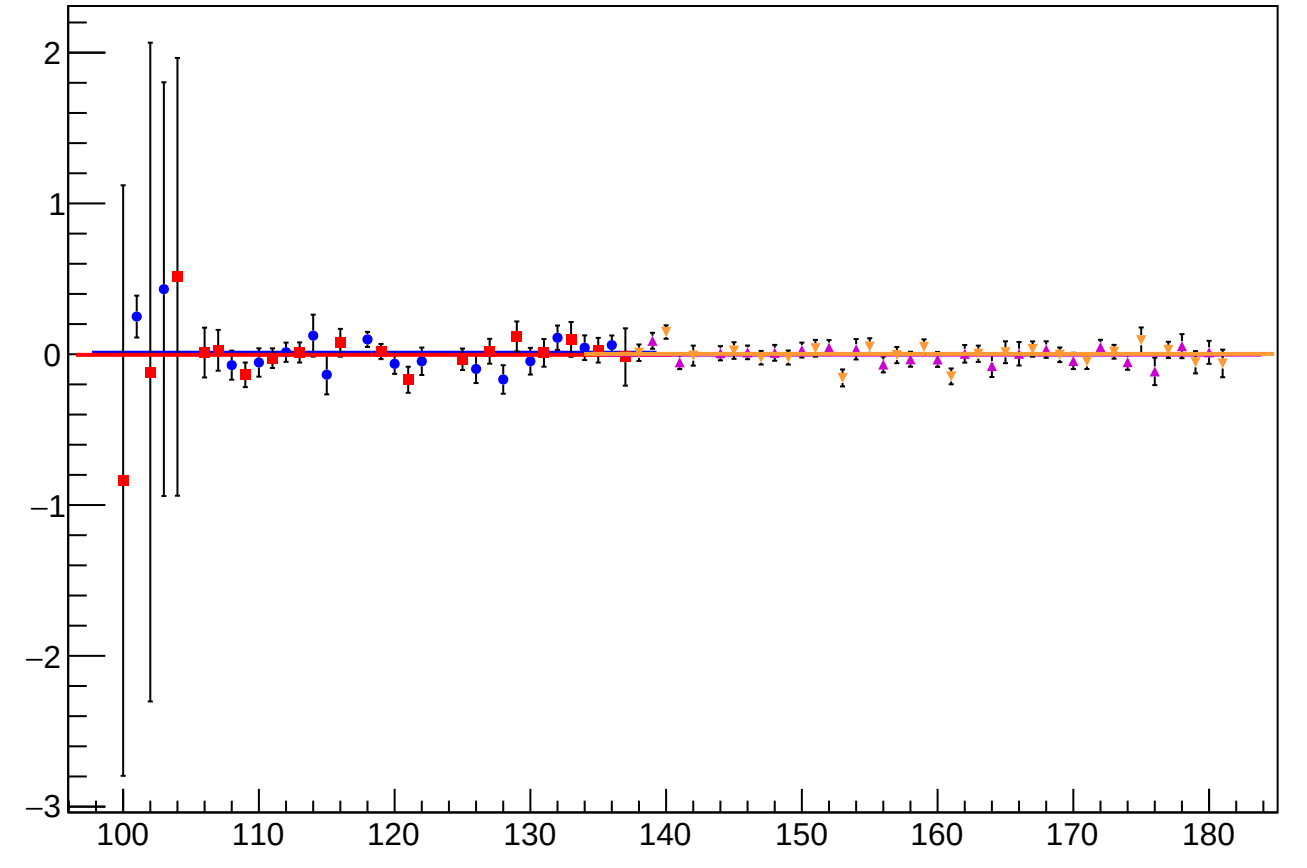
Right Out: 0.000+/-0.000 χ^2/NDF: 2486058.2/17

Left In: 0.000+/-0.000 χ^2/NDF:2573300.6/20

+ sign 0.000+/-0.000 χ^2/NDF: 4637920.0/37

All: 0.000+/-0.000 χ^2/NDF: 9769174.9/76

- sign 0.000+/-0.000 χ^2/NDF: 5128967.5/38



Right In: 0.010+/-0.021 χ^2/NDF: 18.4/15

Left Out: 0.002+/-0.012 χ^2/NDF:33.5/21

Right Out: -0.004+/-0.021 χ^2/NDF: 10.5/17

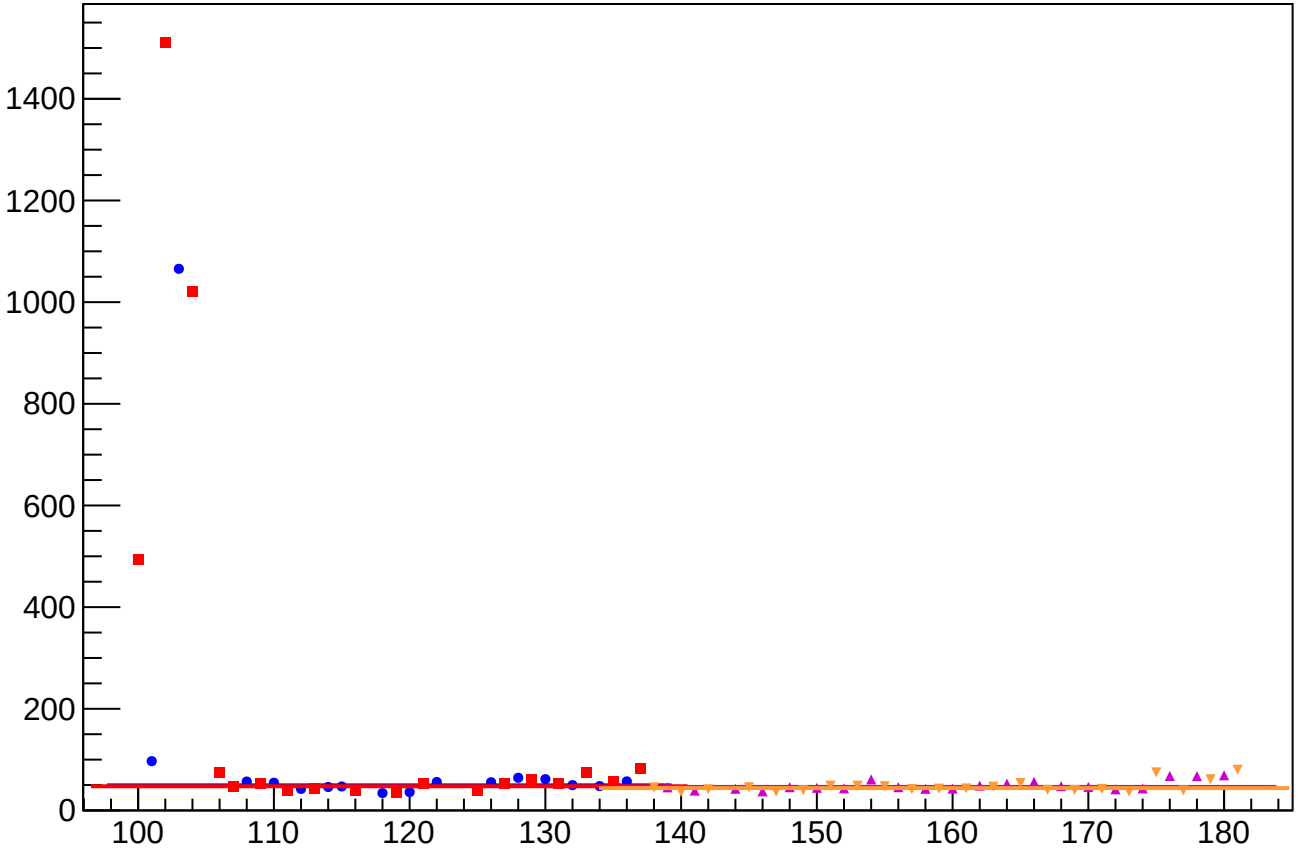
Left In: -0.003+/-0.012 χ^2/NDF:14.4/20

+ sign 0.004+/-0.010 χ^2/NDF: 52.1/37

All: 0.001+/-0.007 χ^2/NDF: 77.3/76

- sign -0.003+/-0.010 χ^2/NDF: 24.9/38

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_rms vs Slug



Right In: 49.333+/-0.015 χ^2/NDF: 1776998.3/15

Left Out: 44.012+/-0.008 χ^2/NDF:970428.3/21

Right Out: 47.599+/-0.015 χ^2/NDF: 2418219.3/17

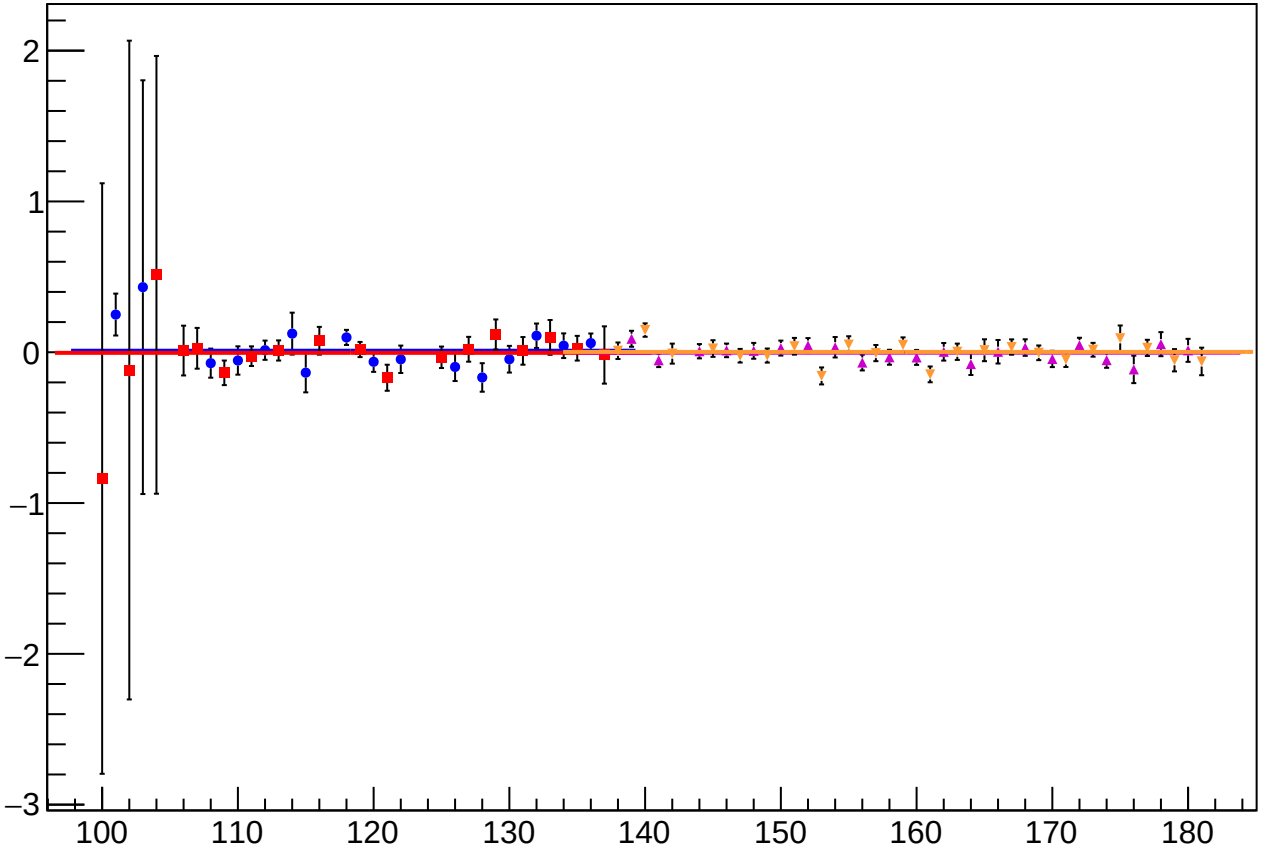
Left In: 46.260+/-0.009 χ^2/NDF:773181.7/20

+ sign 45.260+/-0.007 χ^2/NDF: 2846103.8/37

All: 45.898+/-0.005 χ^2/NDF: 6059750.8/76

- sign 46.579+/-0.007 χ^2/NDF: 3197312.6/38

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: 0.002+/-0.012 χ^2/NDF:33.5/21

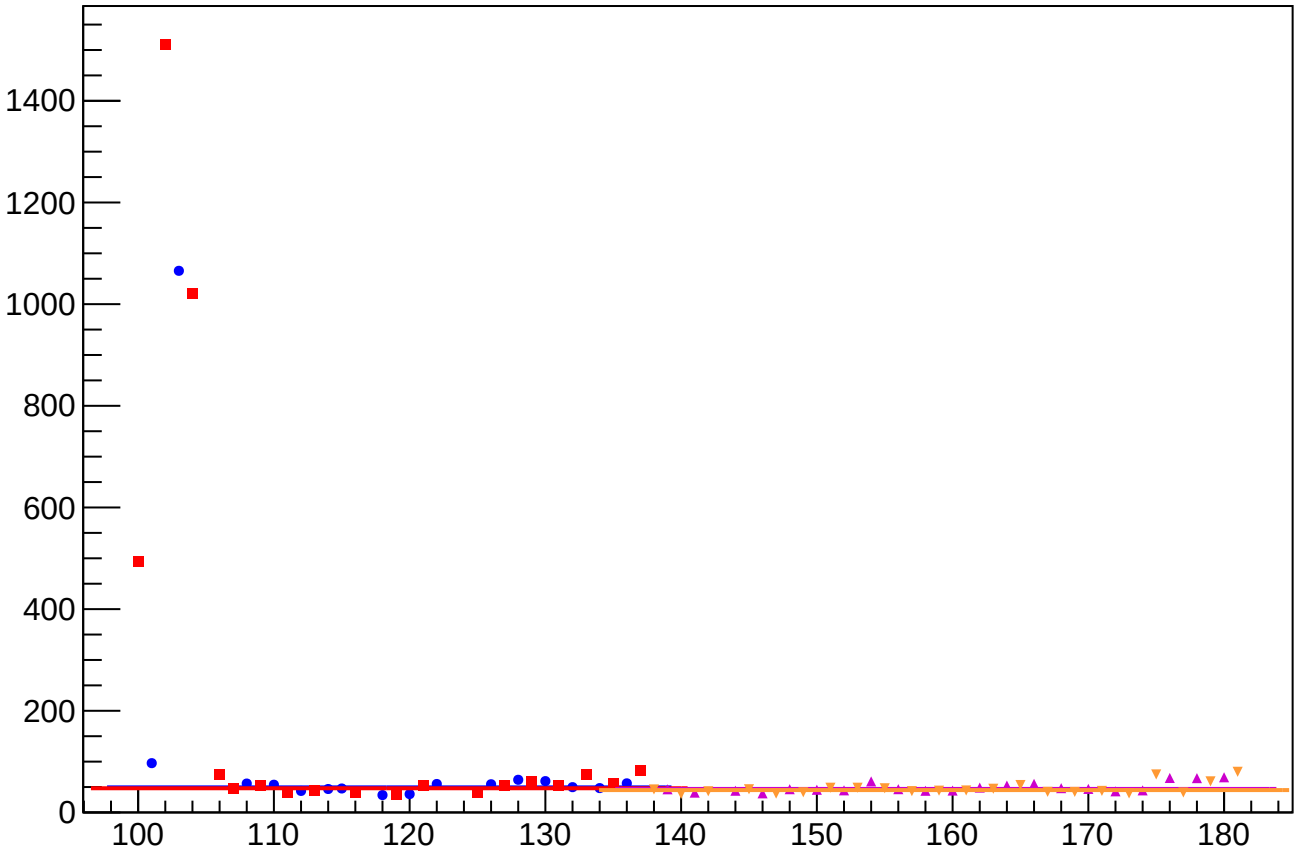
Right Out: -0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: -0.003+/-0.012 χ^2/NDF:14.4/20

+ sign 0.004+/-0.010 χ^2/NDF: 52.1/37

All: 0.001+/-0.007 χ^2/NDF: 77.3/76

- sign -0.003+/-0.010 χ^2/NDF: 24.9/38



Right In: 49.333+/-0.015 χ^2/NDF: 1776998.3/15

Left Out: 44.012+/-0.008 χ^2/NDF:970428.3/21

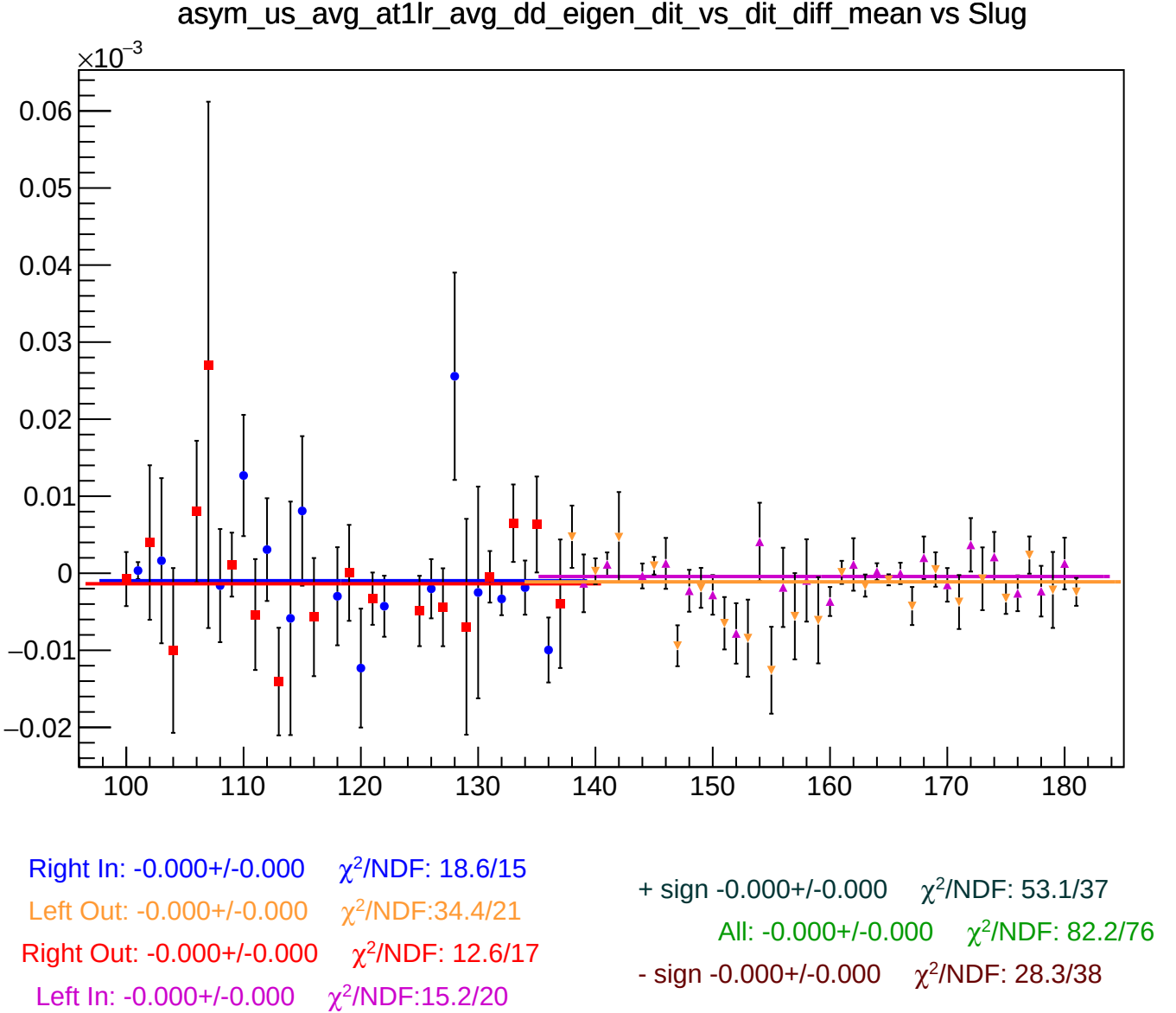
Right Out: 47.599+/-0.015 χ^2/NDF: 2418219.3/17

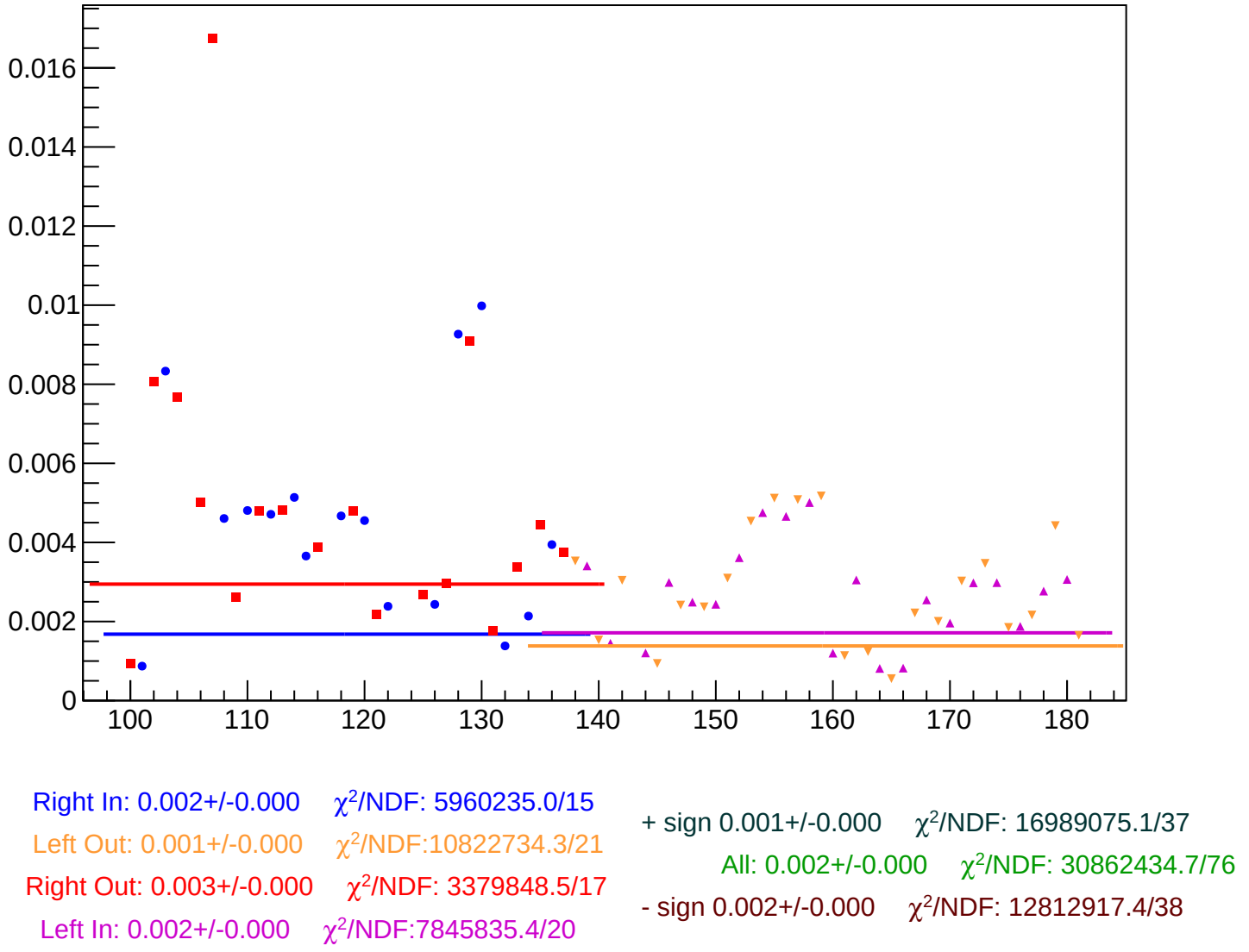
Left In: 46.260+/-0.009 χ^2/NDF:773181.7/20

+ sign 45.260+/-0.007 χ^2/NDF: 2846103.8/37

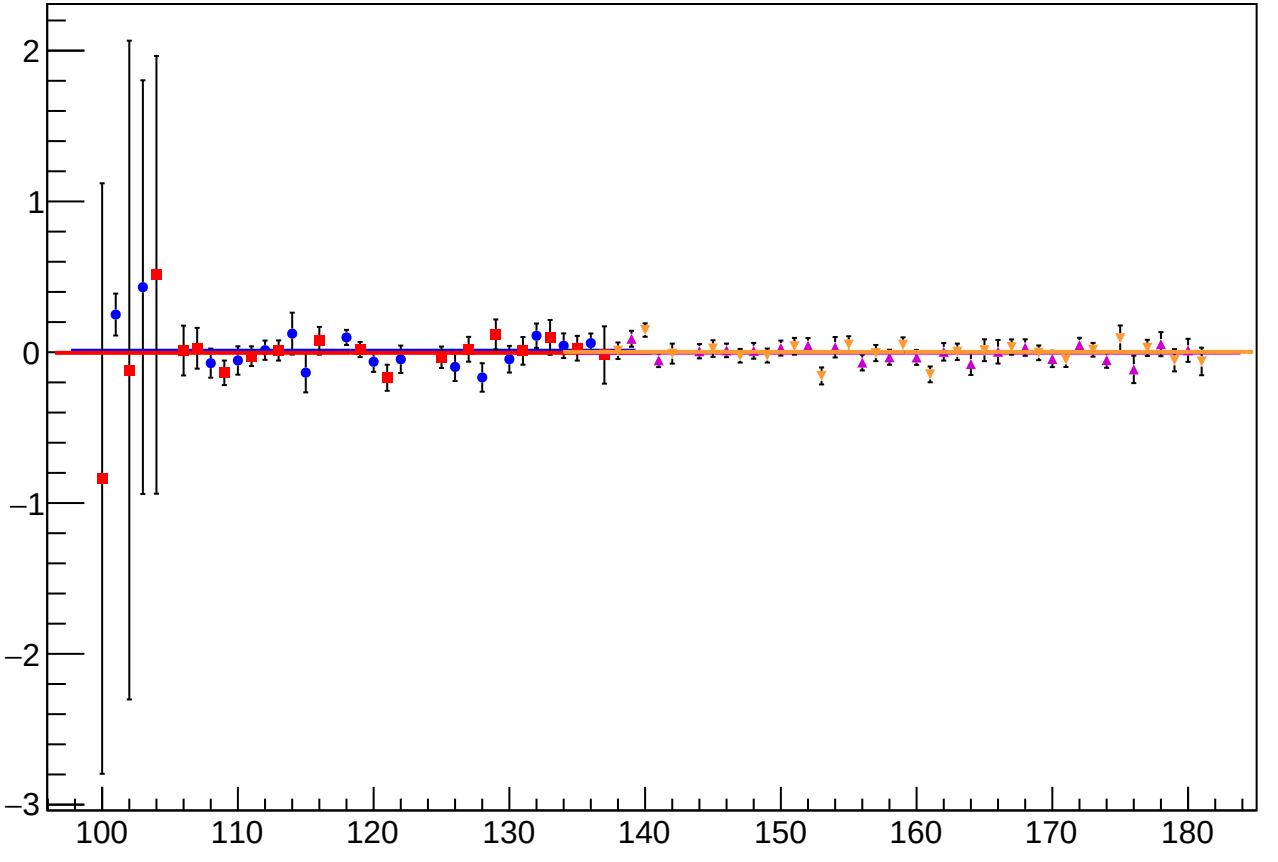
All: 45.898+/-0.005 χ^2/NDF: 6059750.8/76

- sign 46.579+/-0.007 χ^2/NDF: 3197312.6/38


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:34.4/21
Right Out: -0.000+/-0.000 χ²/NDF: 12.6/17
Left In: -0.000+/-0.000 χ²/NDF:15.2/20
+ sign -0.000+/-0.000 χ²/NDF: 53.1/37
All: -0.000+/-0.000 χ²/NDF: 82.2/76
- sign -0.000+/-0.000 χ²/NDF: 28.3/38


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:10822734.3/21
Right Out: 0.003+/-0.000 χ²/NDF: 3379848.5/17
Left In: 0.002+/-0.000 χ²/NDF:7845835.4/20
+ sign 0.001+/-0.000 χ²/NDF: 16989075.1/37
All: 0.002+/-0.000 χ²/NDF: 30862434.7/76
- sign 0.002+/-0.000 χ²/NDF: 12812917.4/38

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.010+/-0.021 χ^2/NDF: 18.4/15

Left Out: 0.002+/-0.012 χ^2/NDF:33.5/21

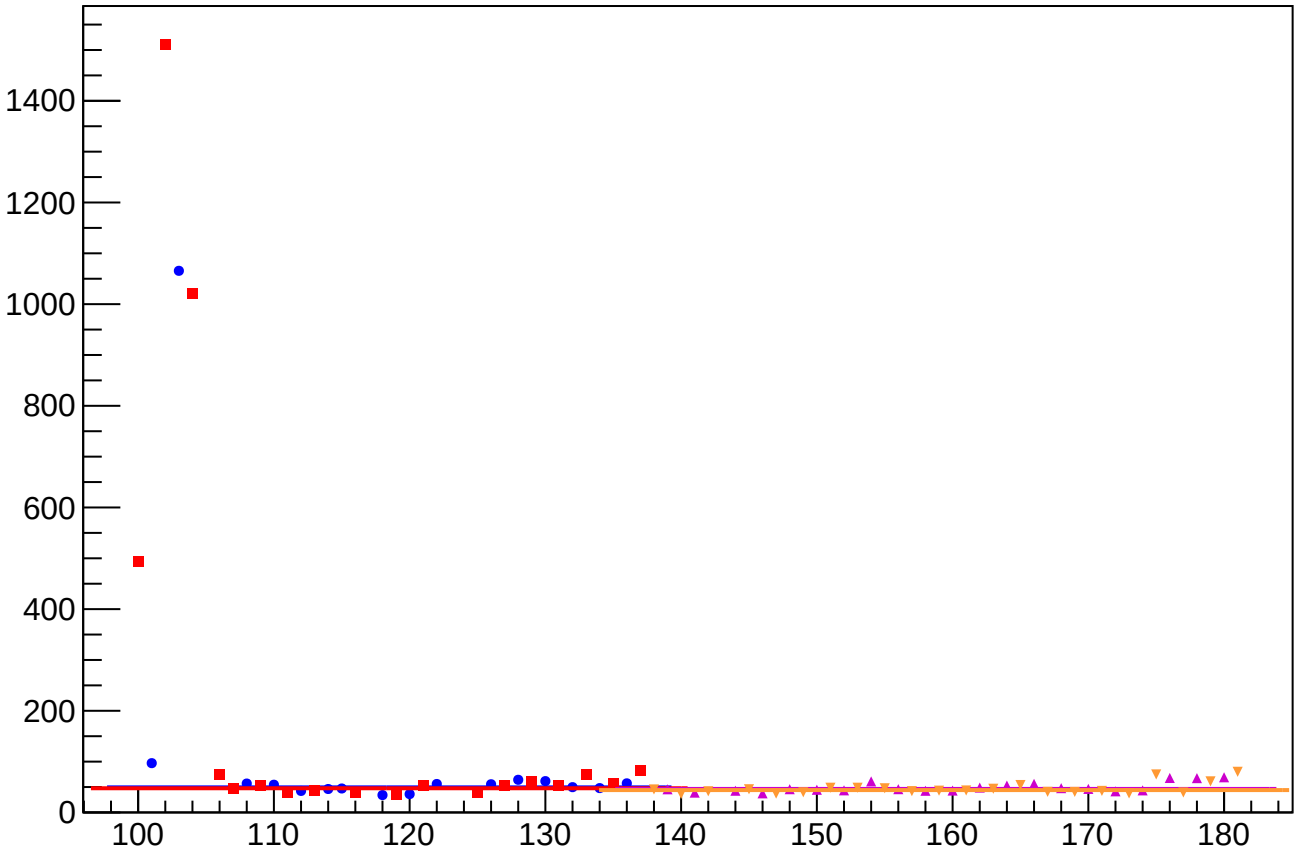
Right Out: -0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: -0.003+/-0.012 χ^2/NDF:14.4/20

+ sign 0.004+/-0.010 χ^2/NDF: 52.1/37

All: 0.001+/-0.007 χ^2/NDF: 77.3/76

- sign -0.003+/-0.010 χ^2/NDF: 24.9/38



Right In: 49.333+/-0.015 χ^2/NDF: 1776926.6/15

Left Out: 44.013+/-0.008 χ^2/NDF:970448.1/21

Right Out: 47.598+/-0.015 χ^2/NDF: 2418253.9/17

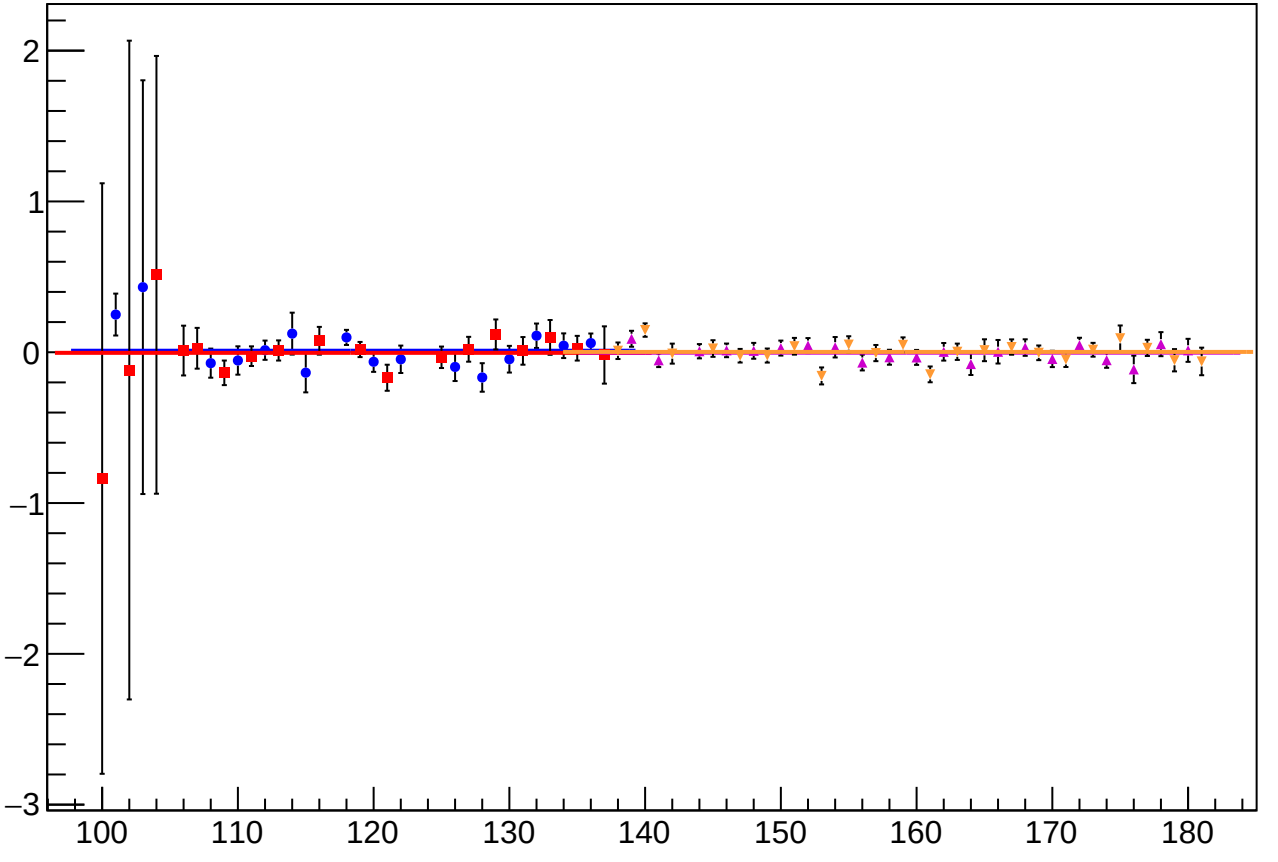
Left In: 46.260+/-0.009 χ^2/NDF:773248.6/20

+ sign 45.260+/-0.007 χ^2/NDF: 2846059.6/37

All: 45.898+/-0.005 χ^2/NDF: 6059788.3/76

- sign 46.579+/-0.007 χ^2/NDF: 3197409.0/38

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: 0.002+/-0.012 χ^2/NDF:33.5/21

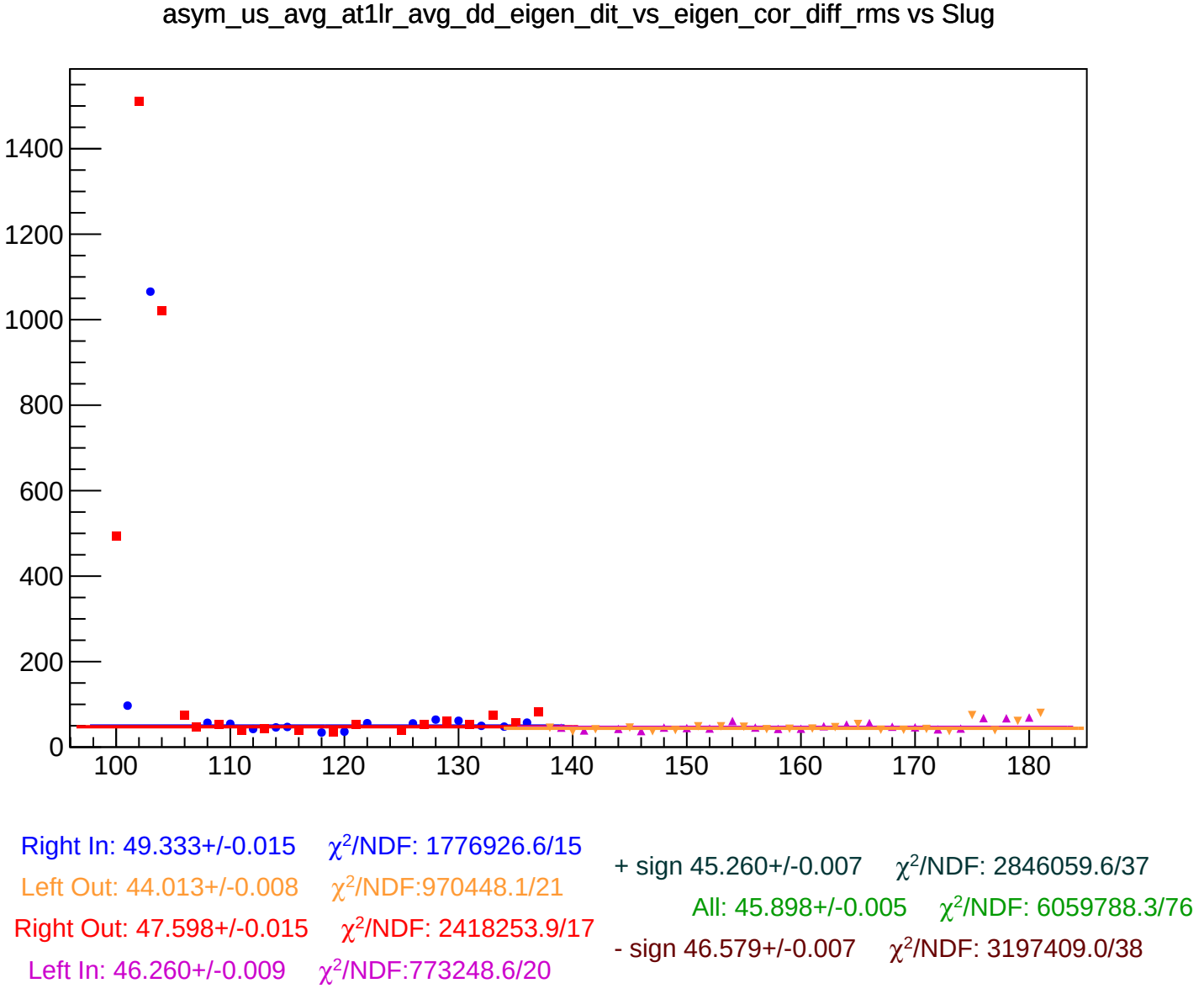
Right Out: -0.004+/-0.021 χ^2/NDF: 10.5/17

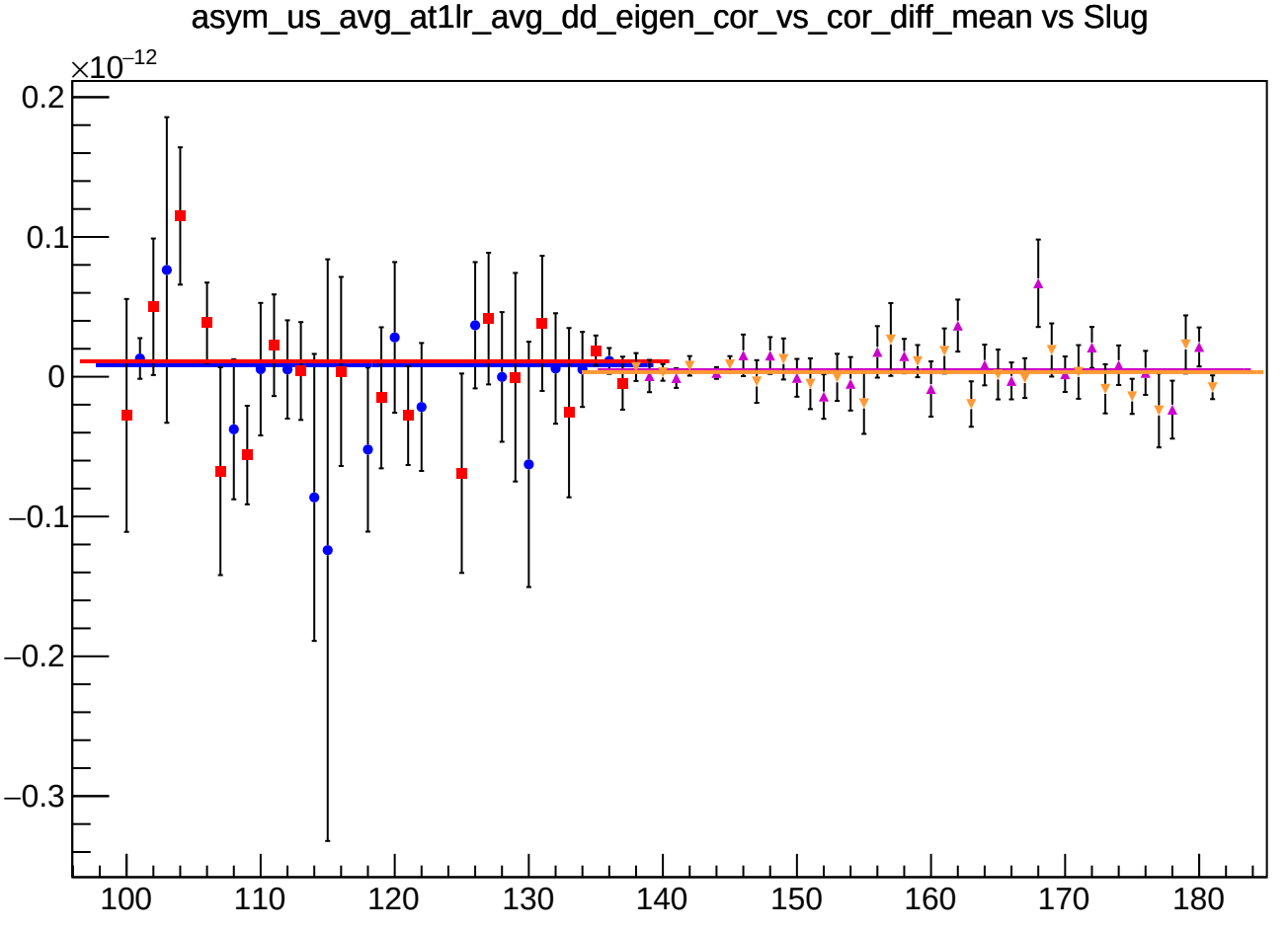
Left In: -0.003+/-0.012 χ^2/NDF:14.4/20

+ sign 0.004+/-0.010 χ^2/NDF: 52.1/37

All: 0.001+/-0.007 χ^2/NDF: 77.3/76

- sign -0.003+/-0.010 χ^2/NDF: 24.9/38


asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
1400
1200
1000
800
600
400
200
0
100
110
120
130
140
150
160
170
180
Right In: 49.333+/-0.015 χ²/NDF: 1776926.6/15
Left Out: 44.013+/-0.008 χ²/NDF:970448.1/21
Right Out: 47.598+/-0.015 χ²/NDF: 2418253.9/17
Left In: 46.260+/-0.009 χ²/NDF:773248.6/20
+ sign 45.260+/-0.007 χ²/NDF: 2846059.6/37
All: 45.898+/-0.005 χ²/NDF: 6059788.3/76
- sign 46.579+/-0.007 χ²/NDF: 3197409.0/38



Right In: 0.000+/-0.000 χ^2/NDF: 5.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.2/21

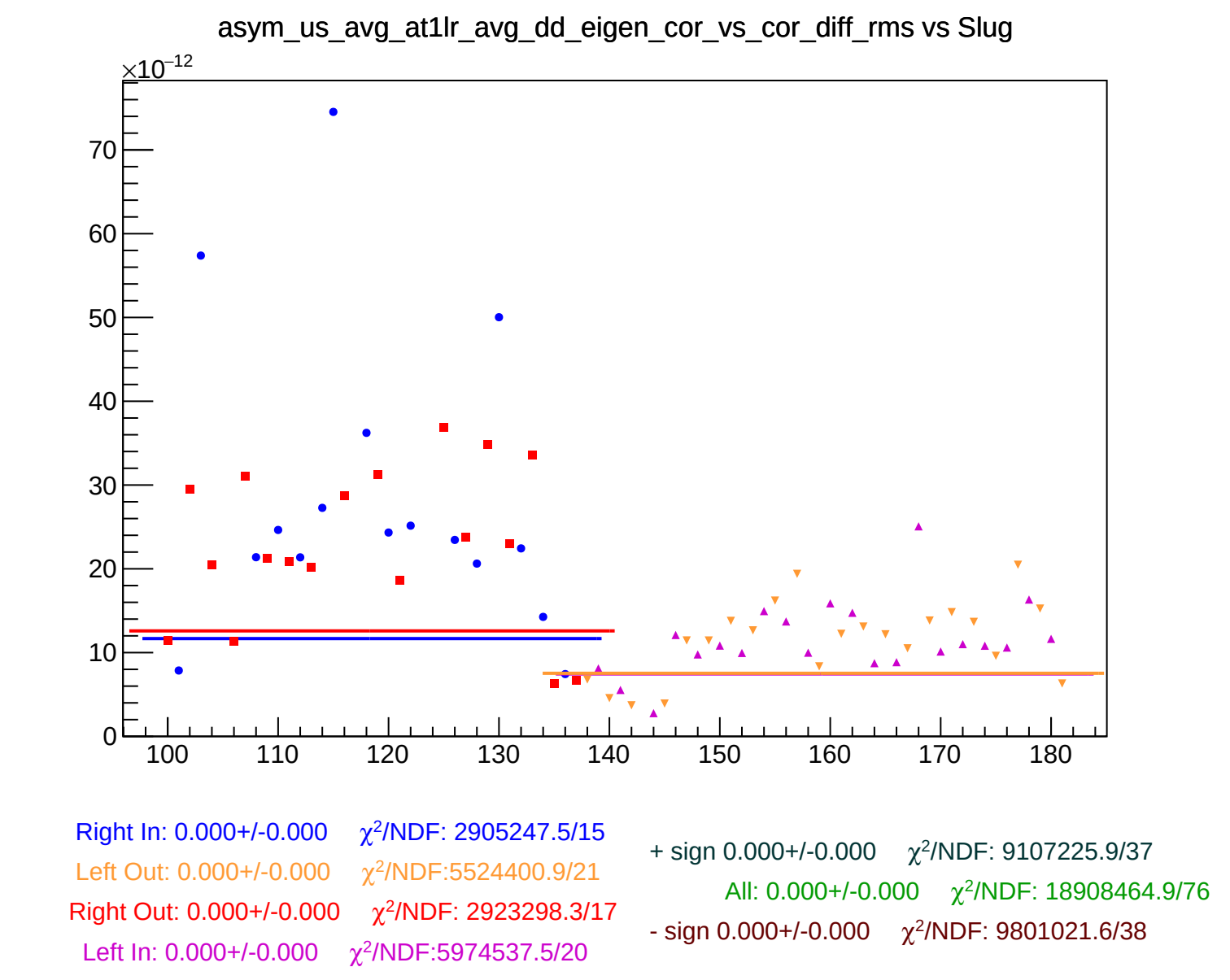
Right Out: 0.000+/-0.000 χ^2/NDF: 16.2/17

Left In: 0.000+/-0.000 χ^2/NDF:17.5/20

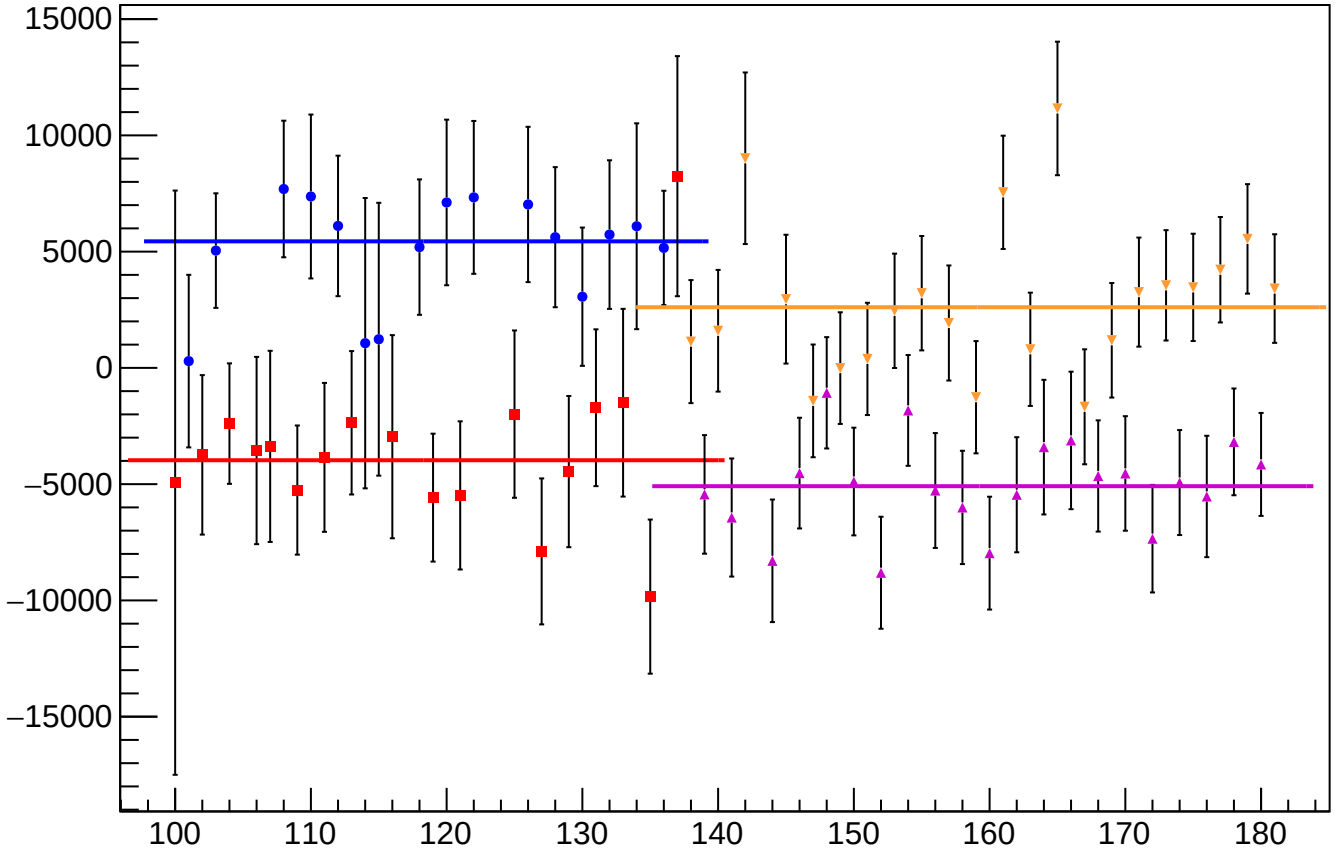
+ sign 0.000+/-0.000 χ^2/NDF: 20.1/37

All: 0.000+/-0.000 χ^2/NDF: 54.8/76

- sign 0.000+/-0.000 χ^2/NDF: 34.4/38


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:5524400.9/21
Right Out: 0.000+/-0.000 χ²/NDF: 2923298.3/17
Left In: 0.000+/-0.000 χ²/NDF:5974537.5/20
+ sign 0.000+/-0.000 χ²/NDF: 9107225.9/37
All: 0.000+/-0.000 χ²/NDF: 18908464.9/76
- sign 0.000+/-0.000 χ²/NDF: 9801021.6/38

reg_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5442.336+/-812.534 χ^2/NDF: 5.4/15

Left Out: 2609.197+/-529.577 χ^2/NDF:30.4/21

Right Out: -3971.728+/-809.023 χ^2/NDF: 13.0/17

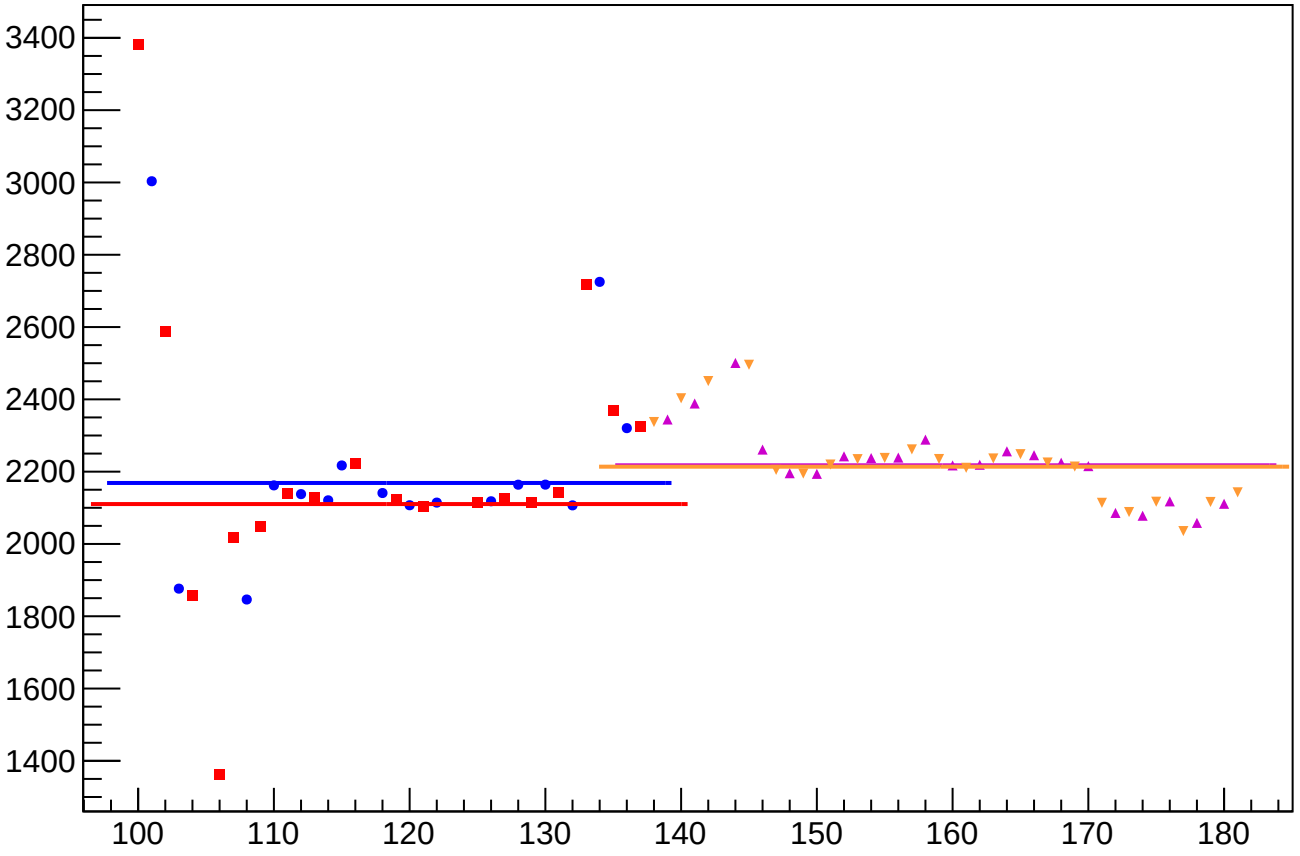
Left In: -5087.712+/-534.448 χ^2/NDF:13.2/20

+ sign 3453.878+/-443.664 χ^2/NDF: 44.3/37

All: -626.485+/-314.516 χ^2/NDF: 241.9/76

- sign -4748.657+/-445.931 χ^2/NDF: 27.5/38

reg_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.5/15

Left Out: 2213.766+/-0.374 χ^2/NDF:76078.0/21

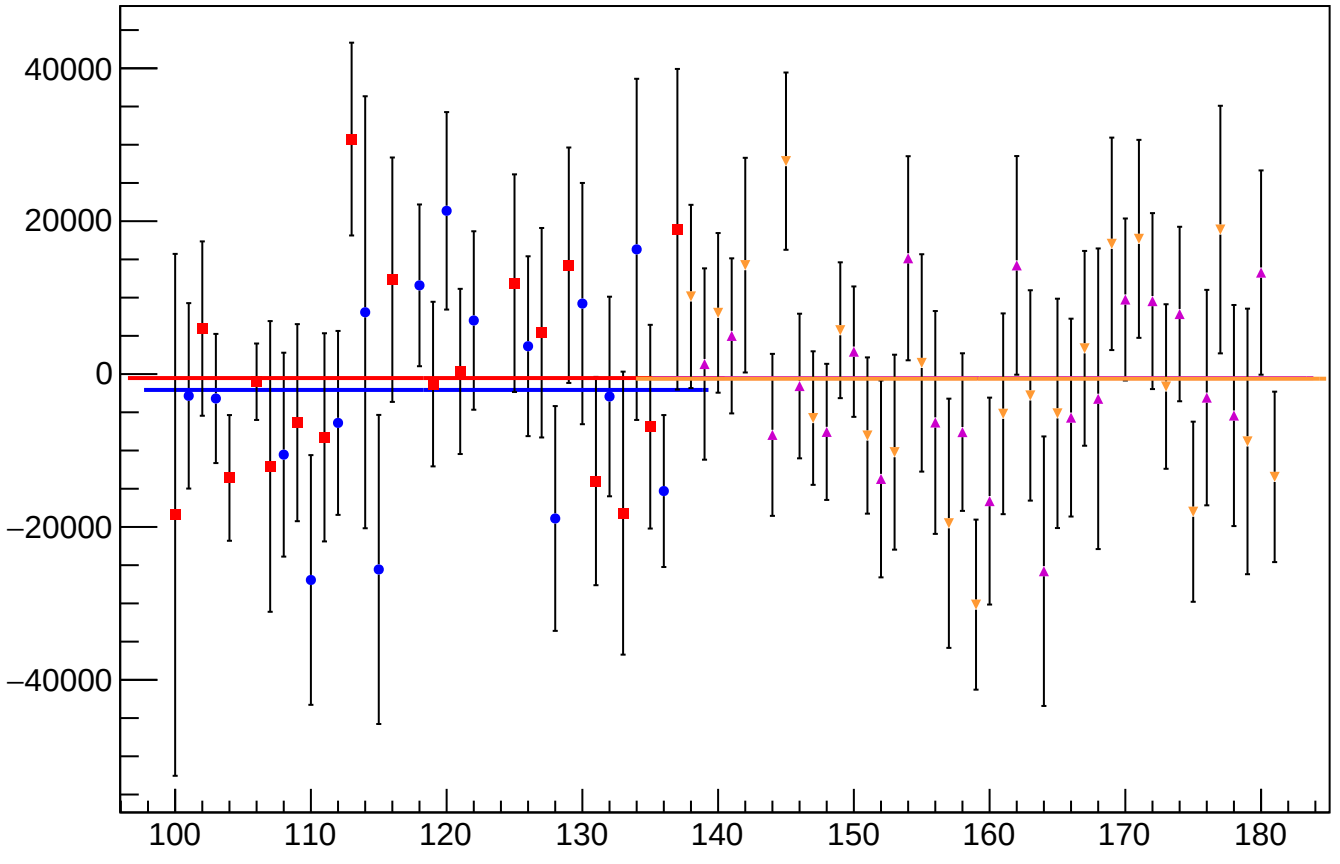
Right Out: 2110.365+/-0.563 χ^2/NDF: 267413.4/17

Left In: 2217.551+/-0.378 χ^2/NDF:72190.3/20

+ sign 2200.335+/-0.314 χ^2/NDF: 276052.7/37

All: 2192.296+/-0.222 χ^2/NDF: 641958.2/76

- sign 2184.255+/-0.314 χ^2/NDF: 364592.3/38



Right In: -2074.843+/-3212.093 χ^2/NDF: 14.4/15

Left Out: -606.600+/-2575.373 χ^2/NDF:28.1/21

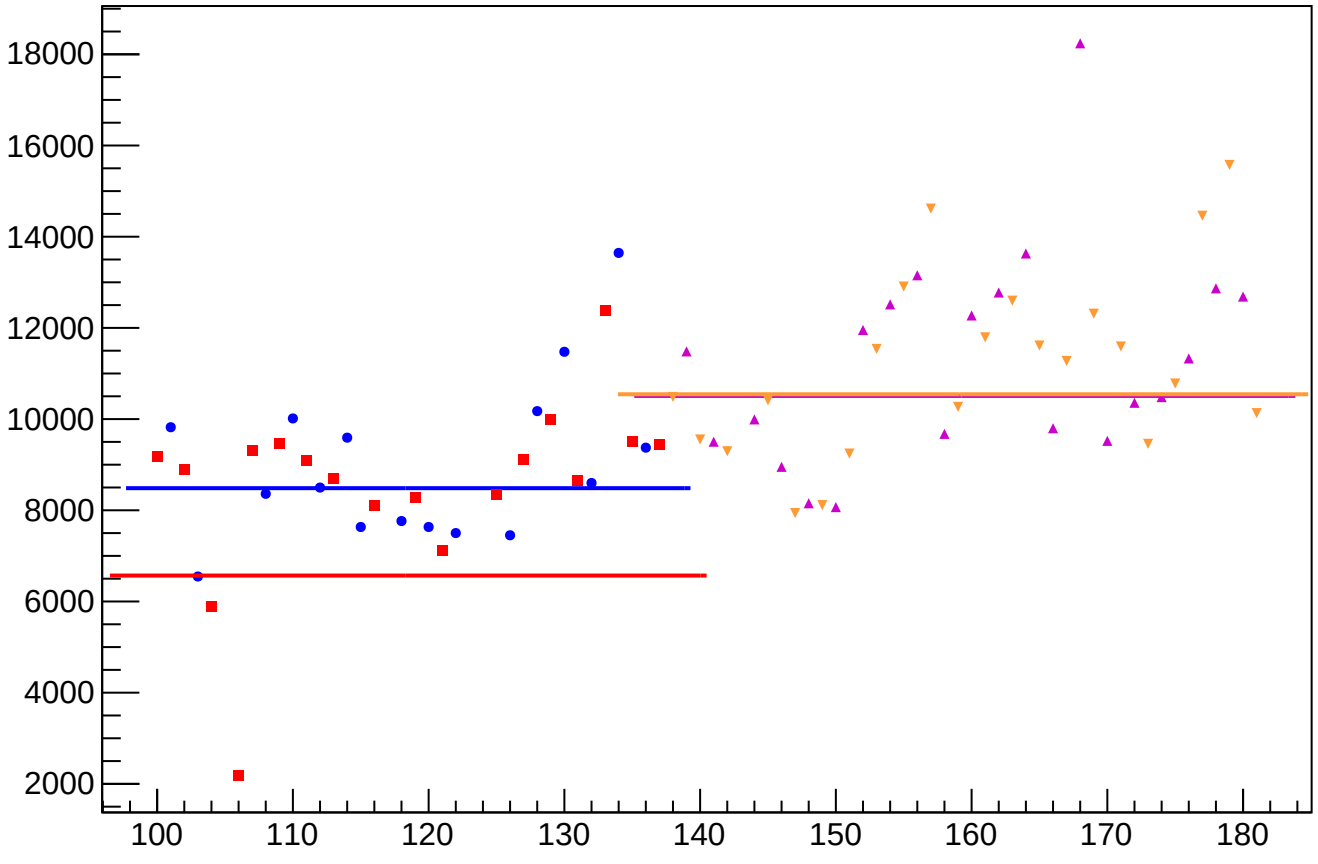
Right Out: -521.454+/-2715.587 χ^2/NDF: 15.7/17

Left In: -530.880+/-2582.151 χ^2/NDF:12.8/20

+ sign -1181.121+/-2009.288 χ^2/NDF: 42.7/37

All: -830.503+/-1369.376 χ^2/NDF: 71.3/76

- sign -526.404+/-1871.252 χ^2/NDF: 28.5/38



Right In: 8485.000+/-2.271 χ^2/NDF: 422706.1/15

Left Out: 10544.484+/-1.821 χ^2/NDF:1021052.6/21

Right Out: 6568.711+/-1.920 χ^2/NDF: 2568887.0/17

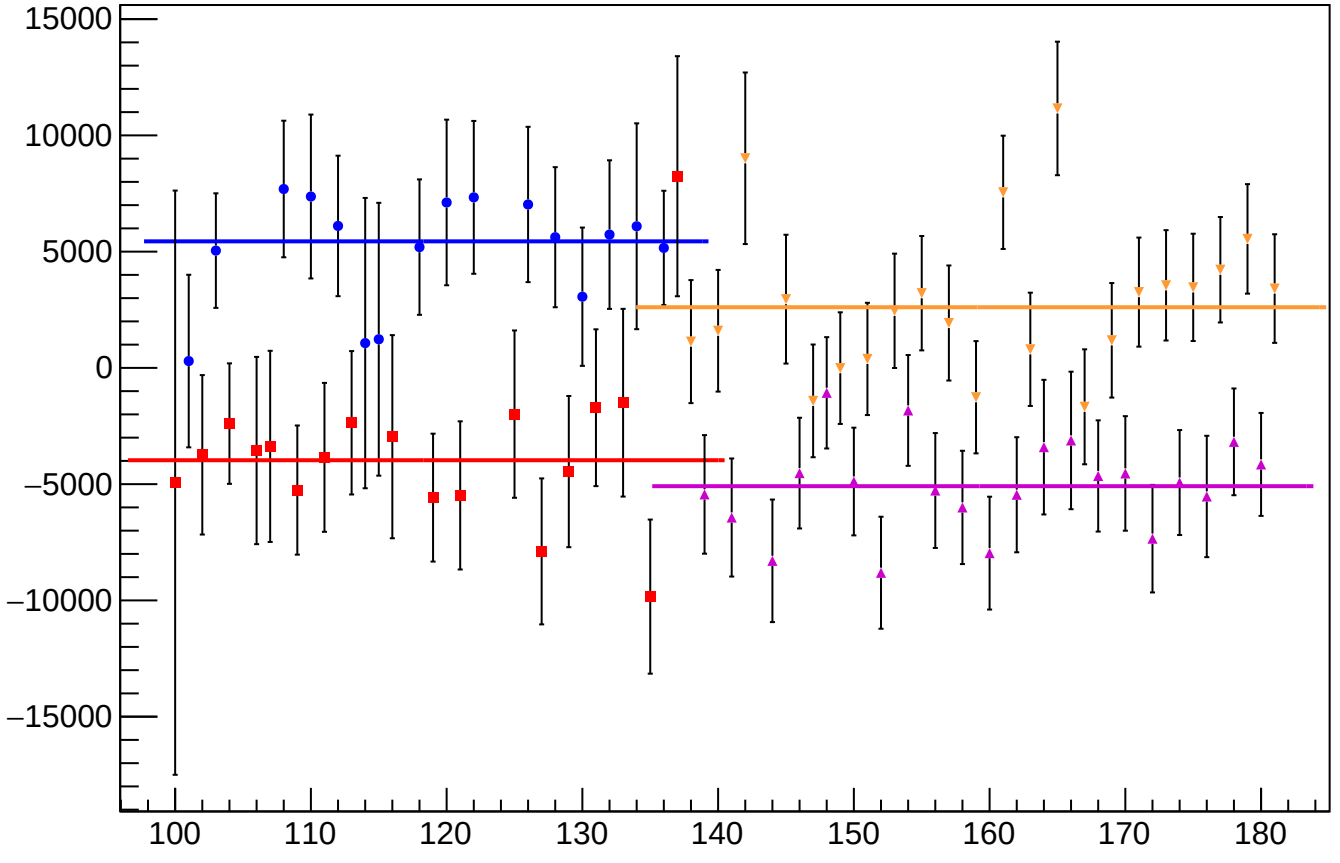
Left In: 10508.023+/-1.826 χ^2/NDF:1136537.2/20

+ sign 9738.610+/-1.421 χ^2/NDF: 1944225.2/37

All: 9148.950+/-0.968 χ^2/NDF: 8181553.9/76

- sign 8637.525+/-1.323 χ^2/NDF: 5915689.6/38

cor_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5442.478+/-812.534 χ^2/NDF: 5.4/15

Left Out: 2609.114+/-529.577 χ^2/NDF:30.4/21

Right Out: -3971.470+/-809.023 χ^2/NDF: 13.0/17

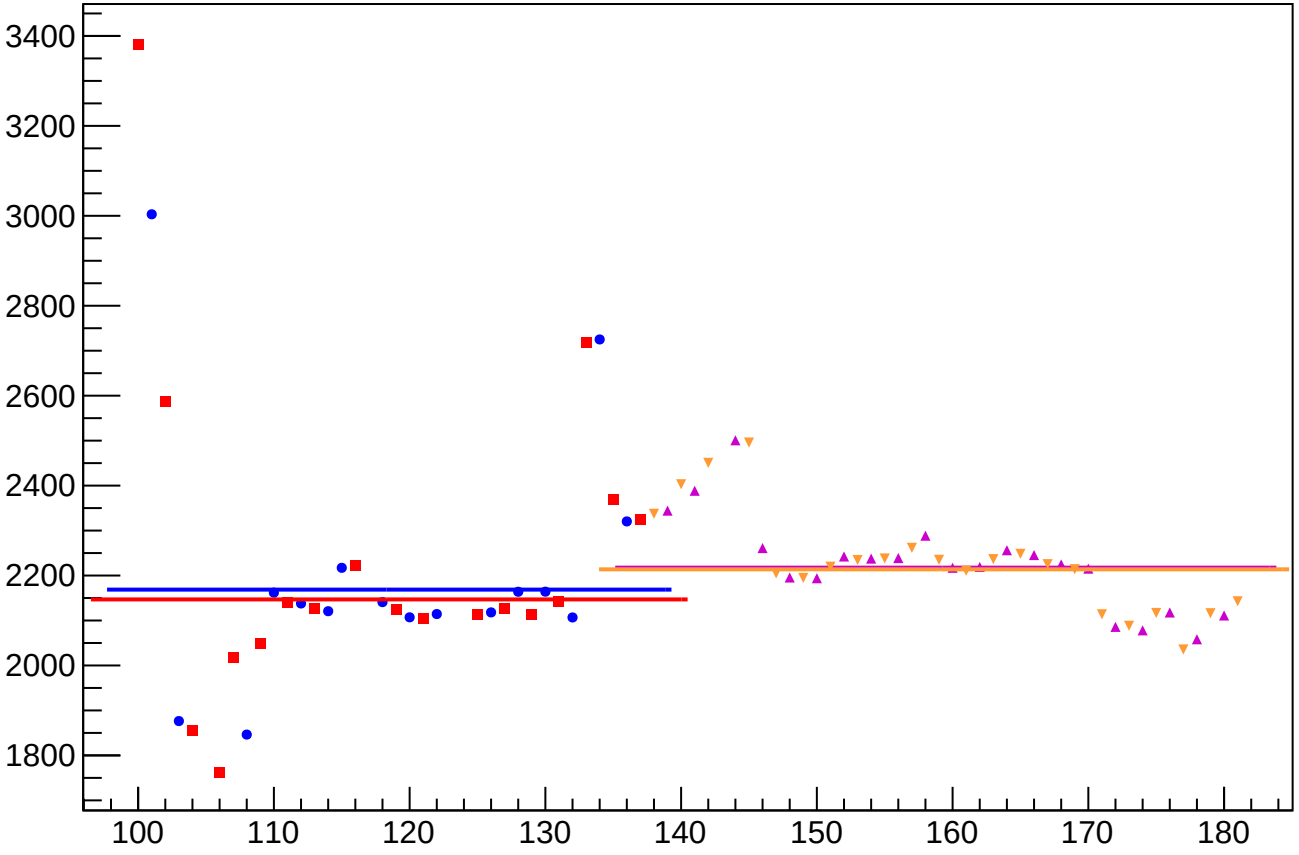
Left In: -5087.615+/-534.448 χ^2/NDF:13.2/20

+ sign 3453.862+/-443.664 χ^2/NDF: 44.3/37

All: -626.421+/-314.516 χ^2/NDF: 241.9/76

- sign -4748.511+/-445.931 χ^2/NDF: 27.5/38

cor_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.8/15

Left Out: 2213.766+/-0.374 χ^2/NDF:76078.0/21

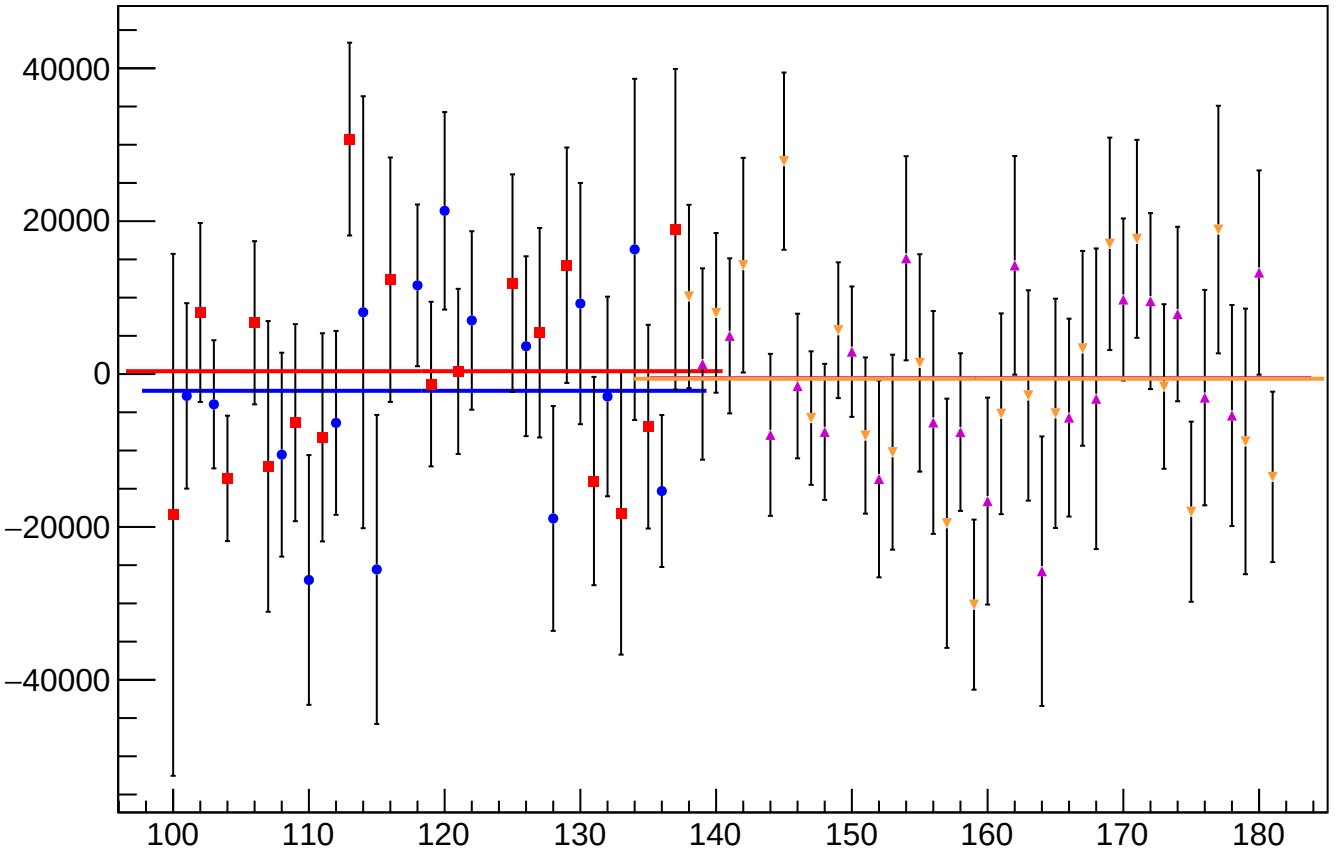
Right Out: 2146.888+/-0.569 χ^2/NDF: 157750.7/17

Left In: 2217.551+/-0.378 χ^2/NDF:72190.3/20

+ sign 2200.335+/-0.314 χ^2/NDF: 276053.1/37

All: 2198.142+/-0.222 χ^2/NDF: 516788.2/76

- sign 2195.933+/-0.315 χ^2/NDF: 240637.0/38



Right In: -2189.256+/-3208.524 χ^2/NDF: 14.5/15

Left Out: -606.586+/-2575.372 χ^2/NDF:28.1/21

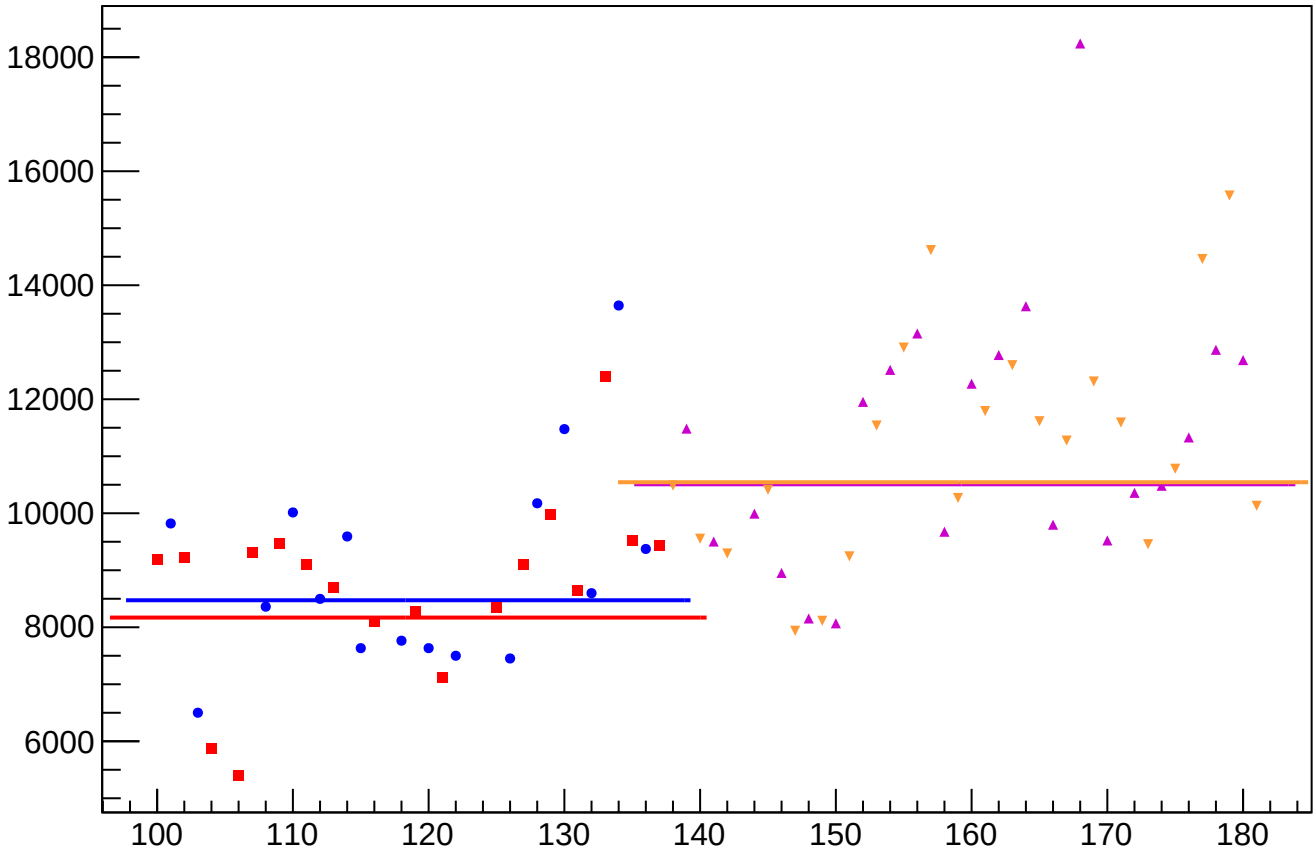
Right Out: 379.236+/-3099.953 χ^2/NDF: 16.3/17

Left In: -530.954+/-2582.150 χ^2/NDF:12.8/20

+ sign -1226.721+/-2008.413 χ^2/NDF: 42.8/37

All: -685.892+/-1411.460 χ^2/NDF: 72.1/76

- sign -158.120+/-1984.023 χ^2/NDF: 29.2/38



Right In: 8473.743+/-2.269 χ^2/NDF: 429547.3/15

Left Out: 10544.478+/-1.821 χ^2/NDF:1021057.0/21

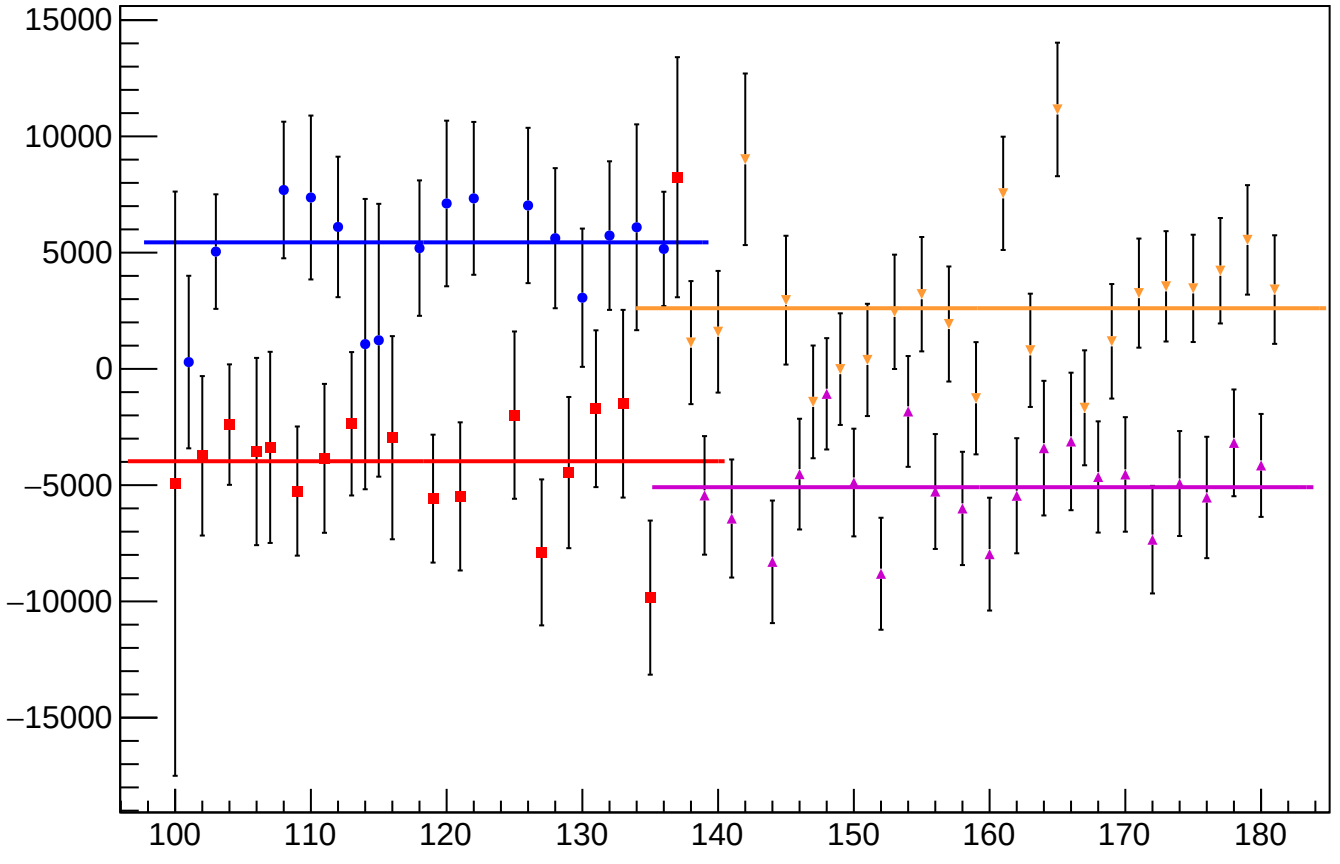
Right Out: 8170.027+/-2.192 χ^2/NDF: 539925.8/17

Left In: 10508.016+/-1.826 χ^2/NDF:1136540.8/20

+ sign 9733.106+/-1.420 χ^2/NDF: 1957238.8/37

All: 9640.599+/-0.998 χ^2/NDF: 4313726.6/76

- sign 9550.325+/-1.403 χ^2/NDF: 2348104.2/38



Right In: 5442.478+/-812.534 χ^2/NDF: 5.4/15

Left Out: 2609.114+/-529.577 χ^2/NDF:30.4/21

Right Out: -3971.470+/-809.023 χ^2/NDF: 13.0/17

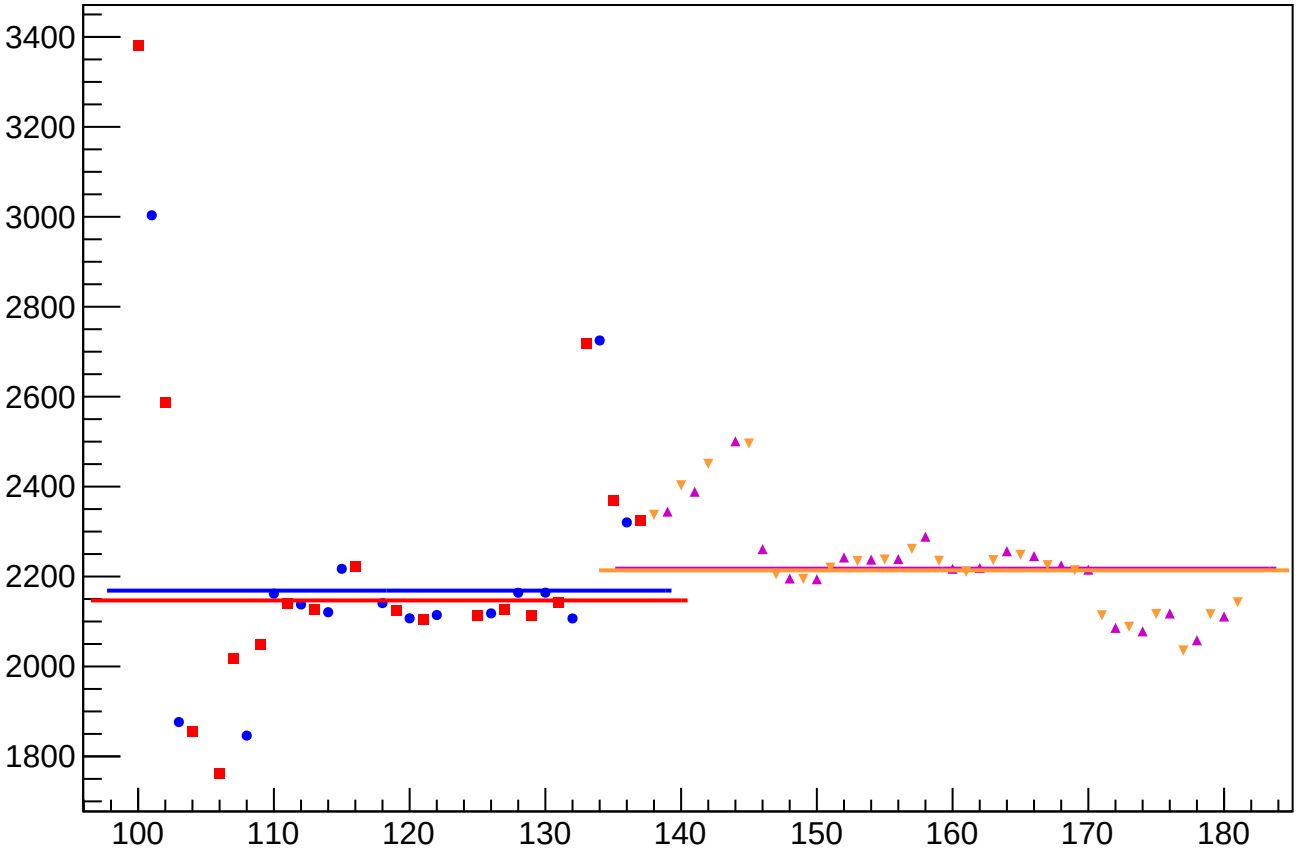
Left In: -5087.615+/-534.448 χ^2/NDF:13.2/20

+ sign 3453.862+/-443.664 χ^2/NDF: 44.3/37

All: -626.421+/-314.516 χ^2/NDF: 241.9/76

- sign -4748.511+/-445.931 χ^2/NDF: 27.5/38

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: 2213.766+/-0.374 χ^2/NDF:76078.0/21

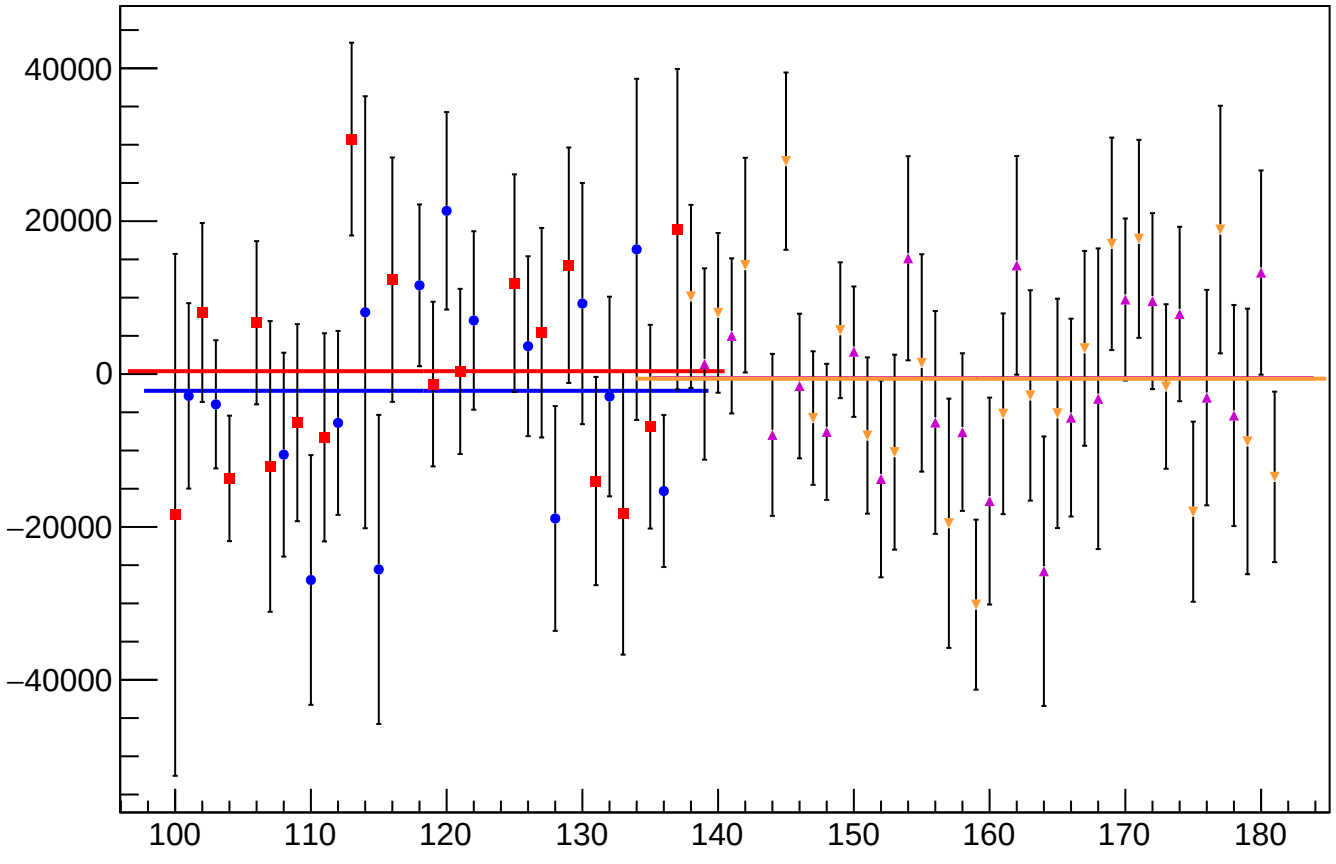
Right Out: 2146.888+/-0.569 χ^2/NDF: 157750.7/17

Left In: 2217.551+/-0.378 χ^2/NDF:72190.3/20

+ sign 2200.335+/-0.314 χ^2/NDF: 276053.1/37

All: 2198.142+/-0.222 χ^2/NDF: 516788.2/76

- sign 2195.933+/-0.315 χ^2/NDF: 240637.0/38



Right In: -2189.256+/-3208.524 χ^2/NDF: 14.5/15

Left Out: -606.586+/-2575.372 χ^2/NDF:28.1/21

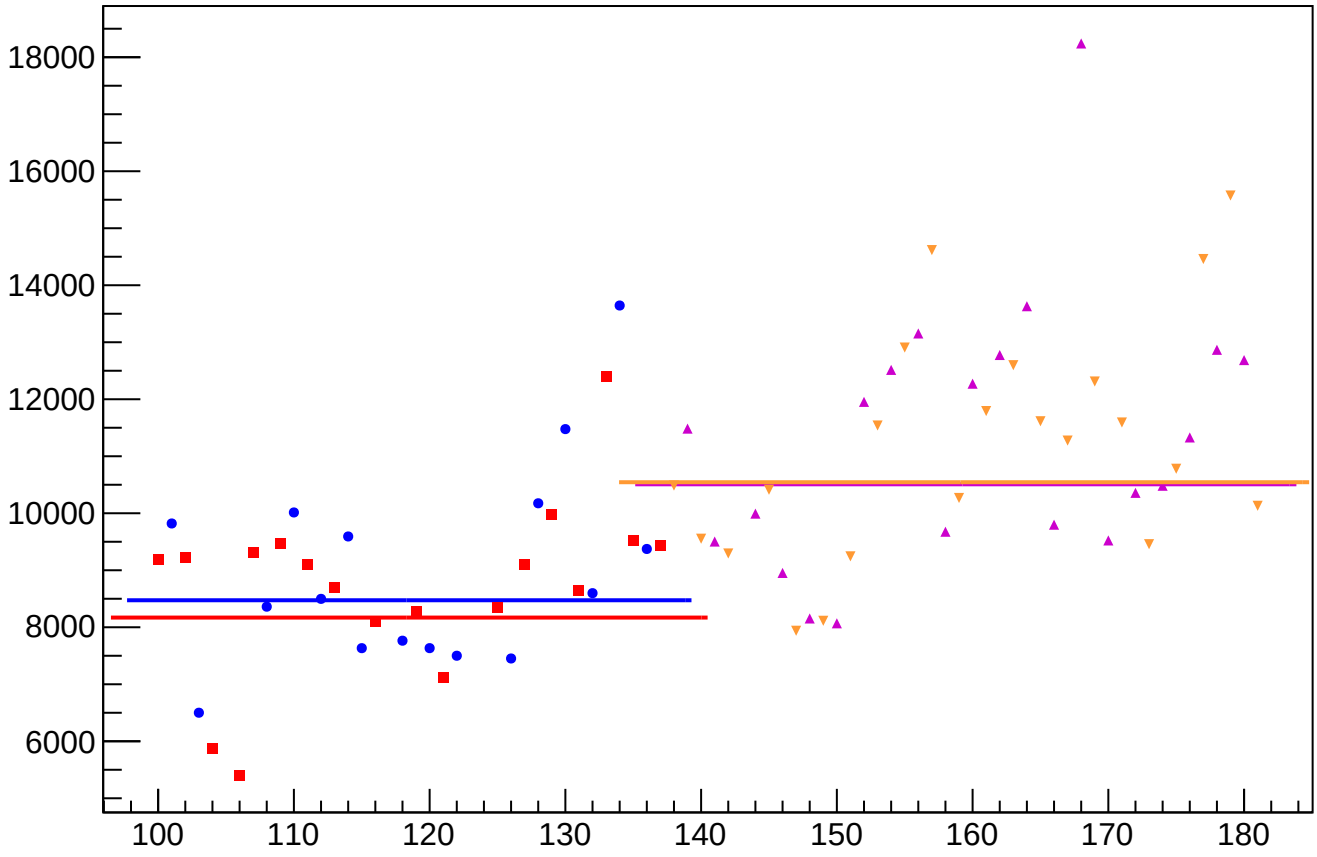
Right Out: 379.236+/-3099.953 χ^2/NDF: 16.3/17

Left In: -530.954+/-2582.150 χ^2/NDF:12.8/20

\+ sign -1226.721+/-2008.413 χ^2/NDF: 42.8/37

All: -685.892+/-1411.460 χ^2/NDF: 72.1/76

\- sign -158.120+/-1984.023 χ^2/NDF: 29.2/38



Right In: 8473.743+/-2.269 χ^2/NDF: 429547.3/15

Left Out: 10544.478+/-1.821 χ^2/NDF:1021057.0/21

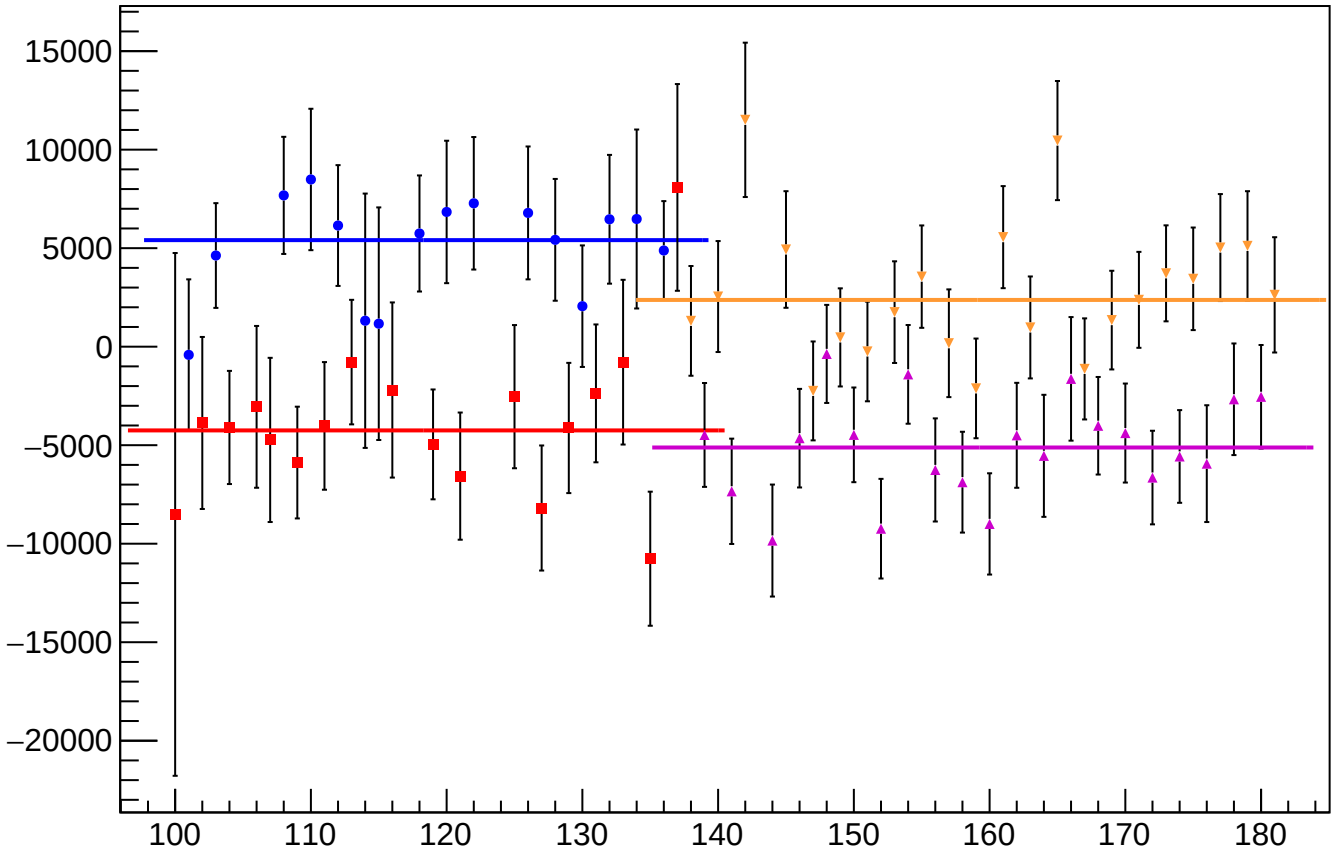
Right Out: 8170.027+/-2.192 χ^2/NDF: 539925.8/17

Left In: 10508.016+/-1.826 χ^2/NDF:1136540.8/20

+ sign 9733.106+/-1.420 χ^2/NDF: 1957238.8/37

All: 9640.599+/-0.998 χ^2/NDF: 4313726.6/76

- sign 9550.325+/-1.403 χ^2/NDF: 2348104.2/38



Right In: 5407.867+/-833.689 χ^2/NDF: 6.7/15

Left Out: 2372.554+/-569.321 χ^2/NDF:28.9/21

Right Out: -4249.899+/-839.336 χ^2/NDF: 14.5/17

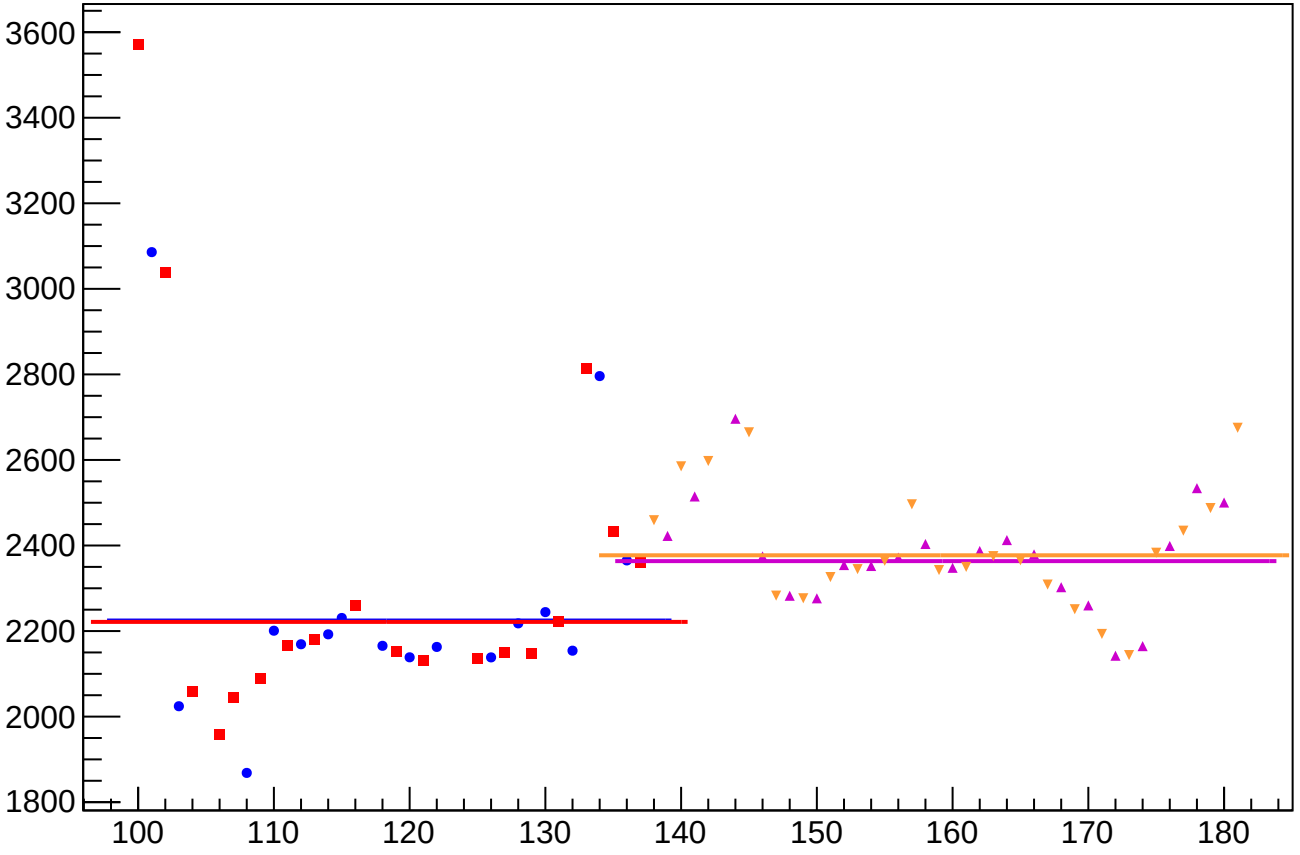
Left In: -5117.249+/-570.052 χ^2/NDF:18.9/20

+ sign 3337.881+/-470.153 χ^2/NDF: 44.6/37

All: -740.455+/-332.949 χ^2/NDF: 229.6/76

- sign -4843.457+/-471.573 χ^2/NDF: 34.1/38

dit_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2224.614+/-0.590 χ^2/NDF: 184679.8/15

Left Out: 2377.128+/-0.403 χ^2/NDF:110591.6/21

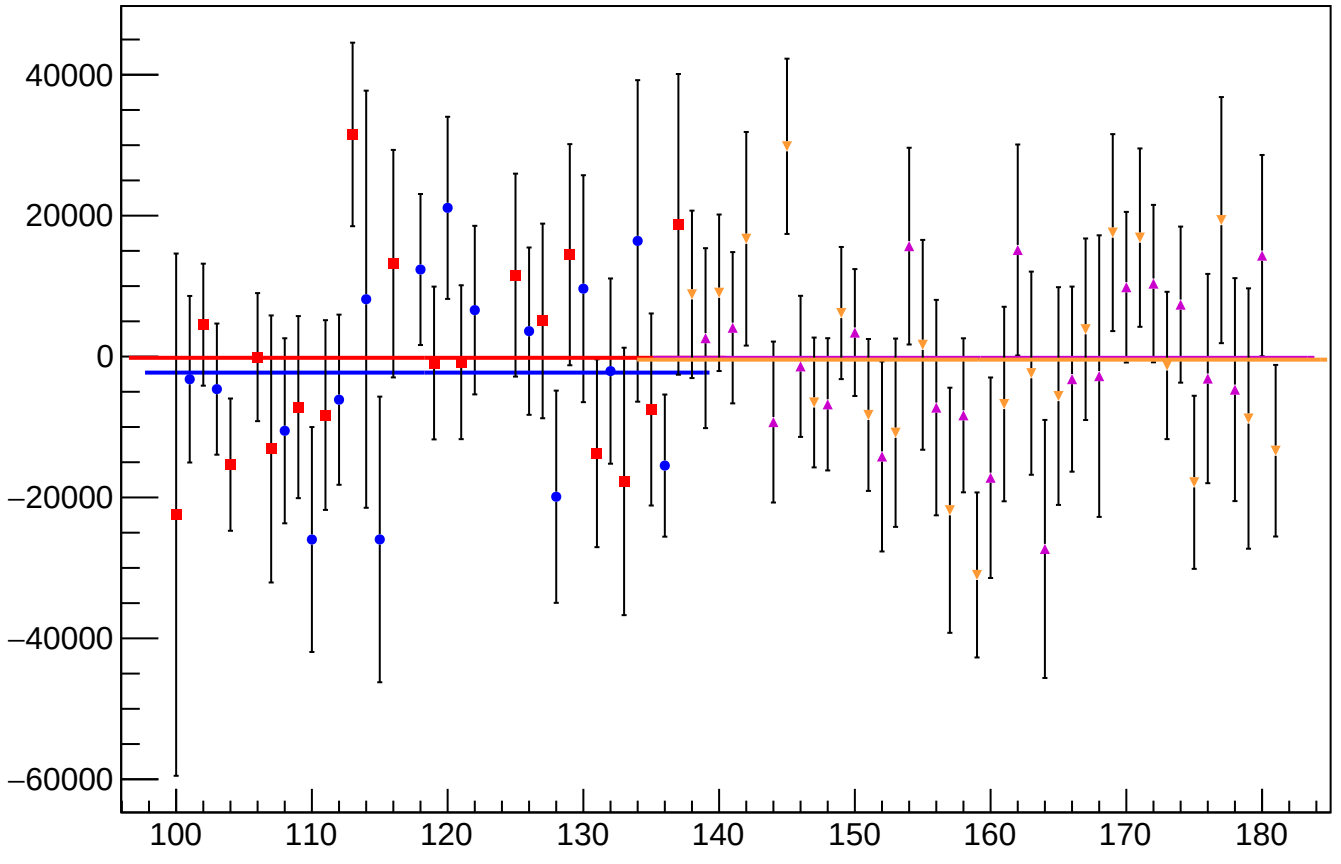
Right Out: 2221.425+/-0.593 χ^2/NDF: 169944.3/17

Left In: 2363.496+/-0.403 χ^2/NDF:90147.0/20

+ sign 2328.623+/-0.332 χ^2/NDF: 340917.7/37

All: 2323.632+/-0.235 χ^2/NDF: 640708.0/76

- sign 2318.612+/-0.333 χ^2/NDF: 299338.2/38



Right In: -2278.440+/-3271.750 χ^2/NDF: 14.5/15

Left Out: -441.394+/-2684.054 χ^2/NDF:27.6/21

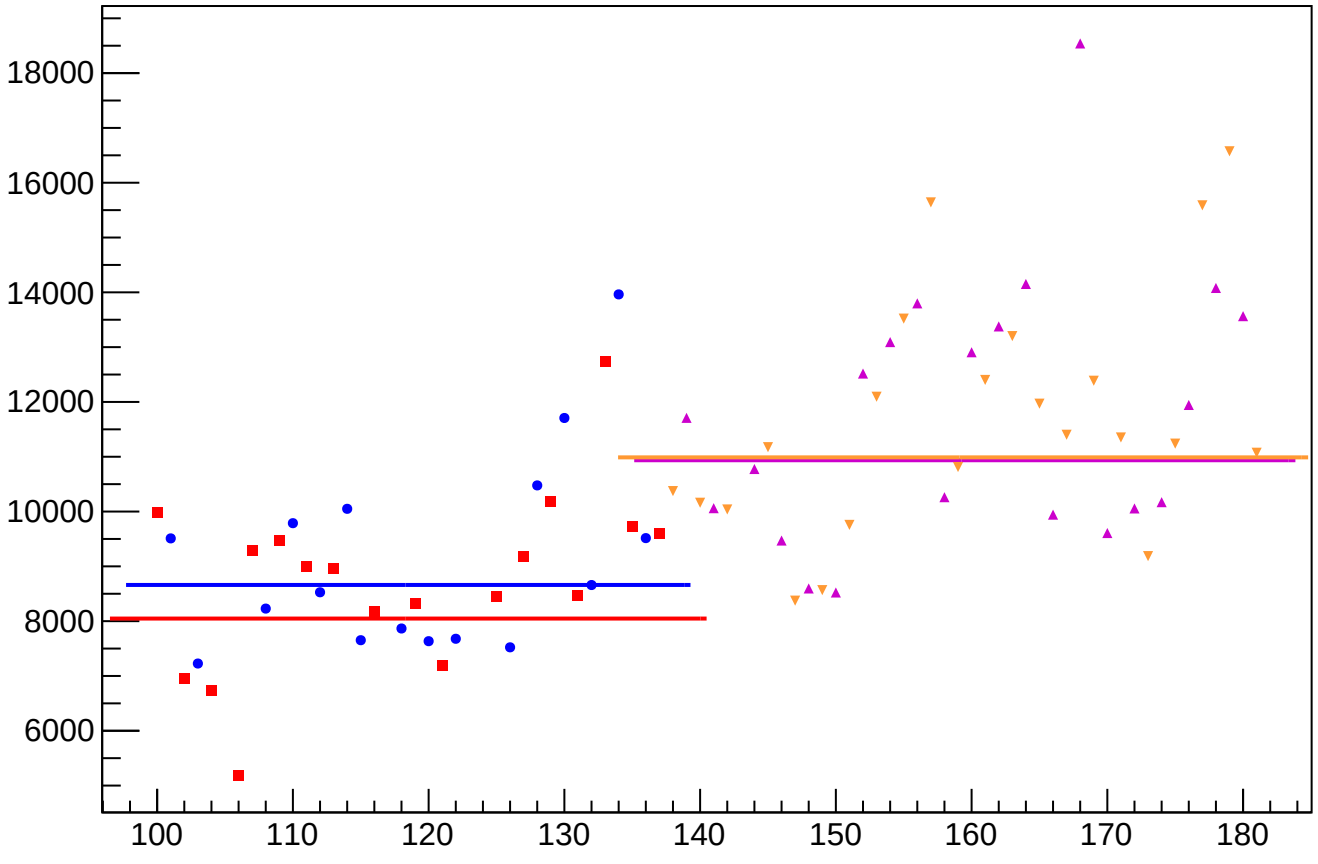
Right Out: -177.024+/-3035.355 χ^2/NDF: 15.6/17

Left In: -180.351+/-2687.957 χ^2/NDF:12.8/20

+ sign -1180.392+/-2075.113 χ^2/NDF: 42.2/37

All: -664.263+/-1444.621 χ^2/NDF: 70.8/76

- sign -178.889+/-2012.337 χ^2/NDF: 28.4/38



Right In: 8660.733+/-2.313 χ^2/NDF: 357961.9/15

Left Out: 10988.692+/-1.898 χ^2/NDF:1041885.3/21

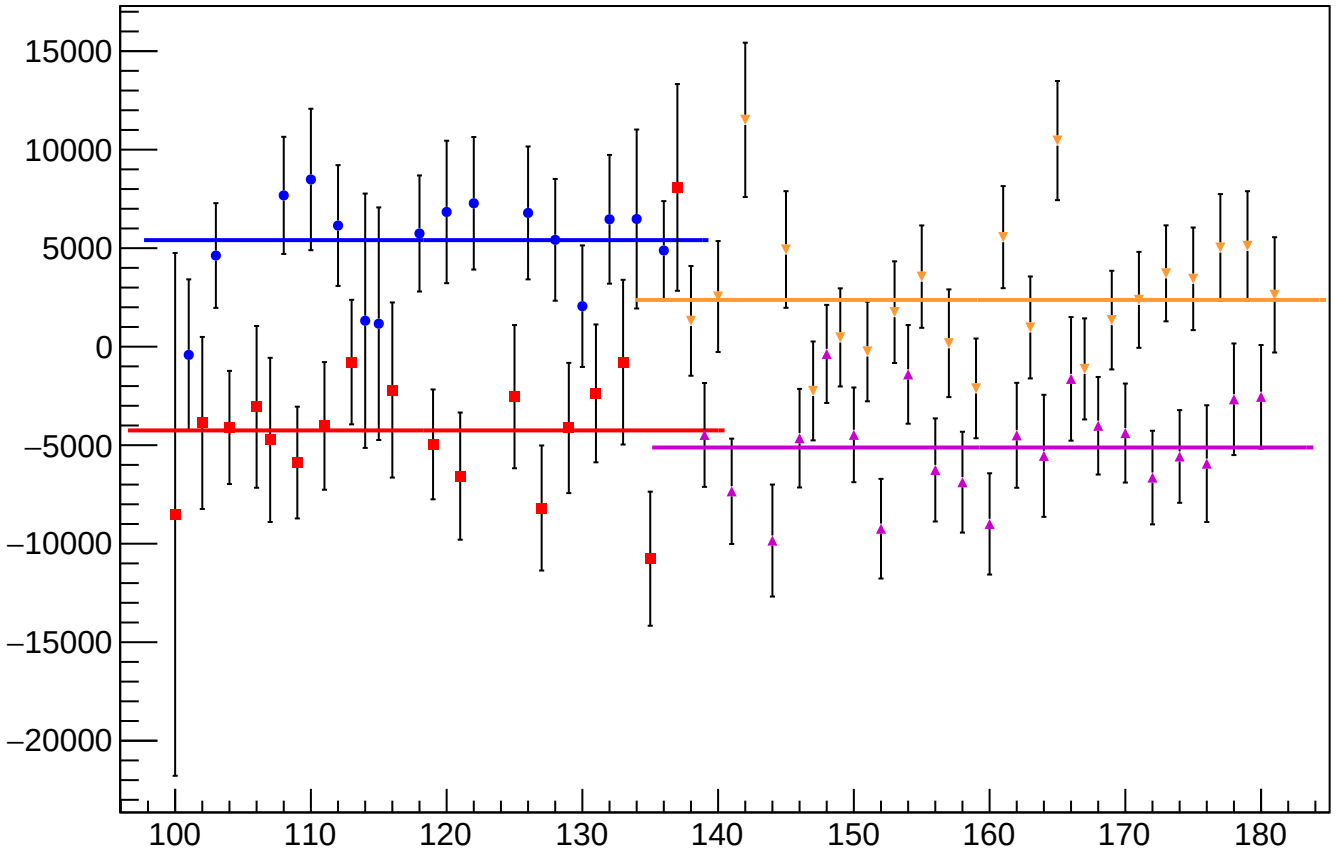
Right Out: 8047.460+/-2.146 χ^2/NDF: 558559.6/17

Left In: 10936.307+/-1.901 χ^2/NDF:1147427.5/20

+ sign 10052.211+/-1.467 χ^2/NDF: 2005079.0/37

All: 9853.479+/-1.022 χ^2/NDF: 4762013.4/76

- sign 9666.590+/-1.423 χ^2/NDF: 2721340.6/38



Right In: 5407.869+/-833.688 χ^2/NDF: 6.7/15

Left Out: 2372.542+/-569.322 χ^2/NDF:28.9/21

Right Out: -4249.903+/-839.335 χ^2/NDF: 14.5/17

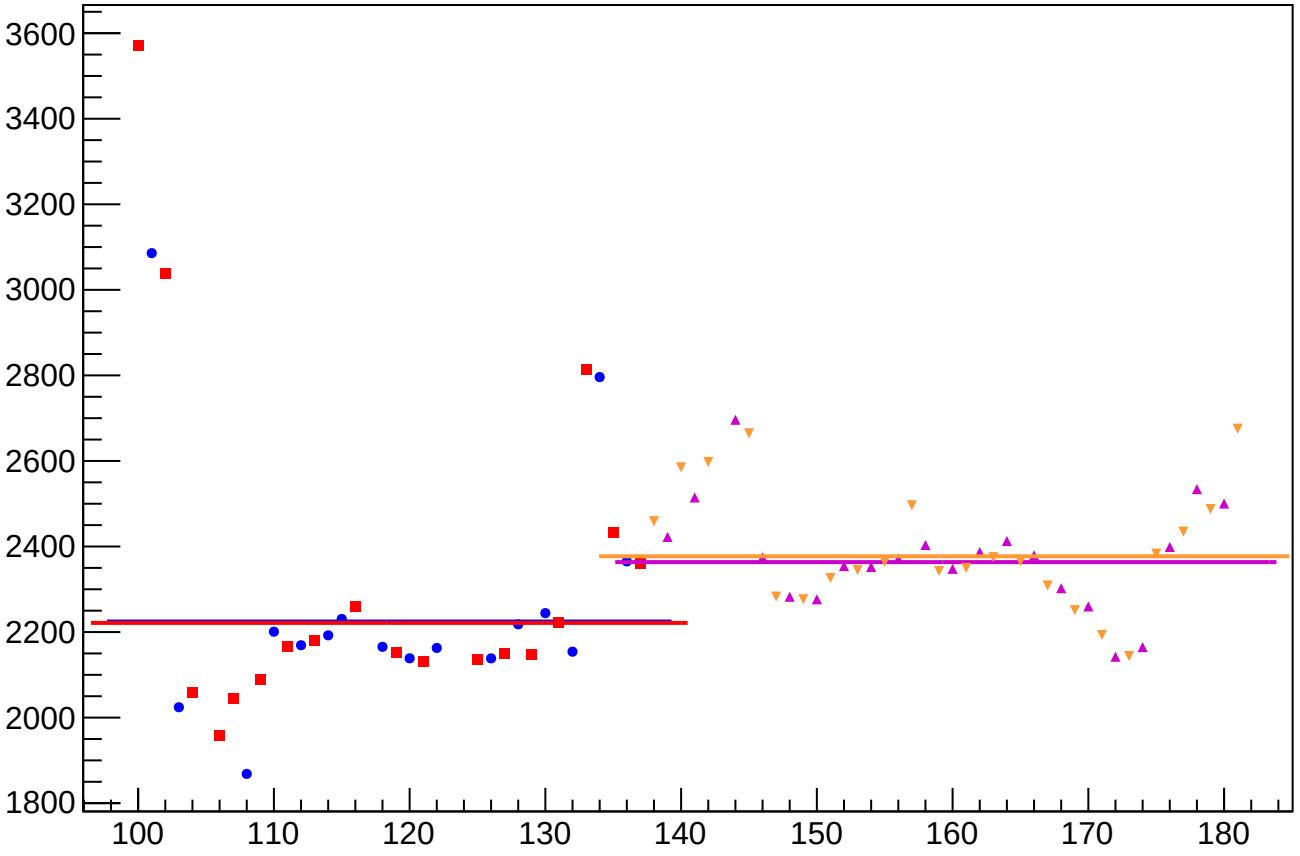
Left In: -5117.253+/-570.053 χ^2/NDF:18.9/20

+ sign 3337.875+/-470.154 χ^2/NDF: 44.6/37

All: -740.459+/-332.950 χ^2/NDF: 229.6/76

- sign -4843.460+/-471.573 χ^2/NDF: 34.1/38

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: 2377.131+/-0.403 χ^2/NDF:110596.0/21

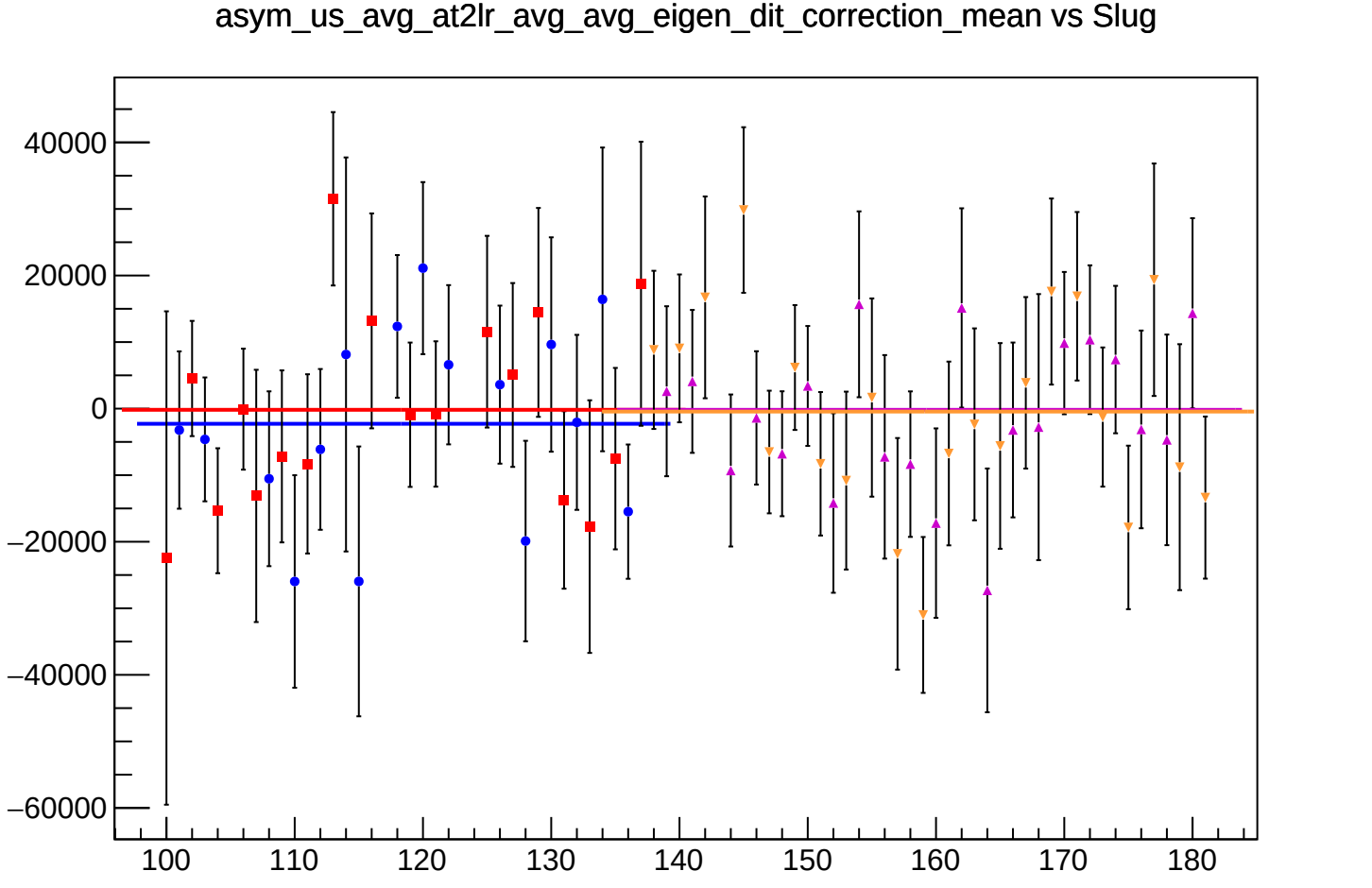
Right Out: 2221.425+/-0.593 χ^2/NDF: 169944.3/17

Left In: 2363.500+/-0.403 χ^2/NDF:90151.6/20

+ sign 2328.625+/-0.332 χ^2/NDF: 340924.7/37

All: 2323.634+/-0.235 χ^2/NDF: 640721.9/76

- sign 2318.614+/-0.333 χ^2/NDF: 299345.0/38



Right In: -2278.418+/-3271.742 χ^2/NDF: 14.5/15

Left Out: -441.401+/-2684.059 χ^2/NDF:27.6/21

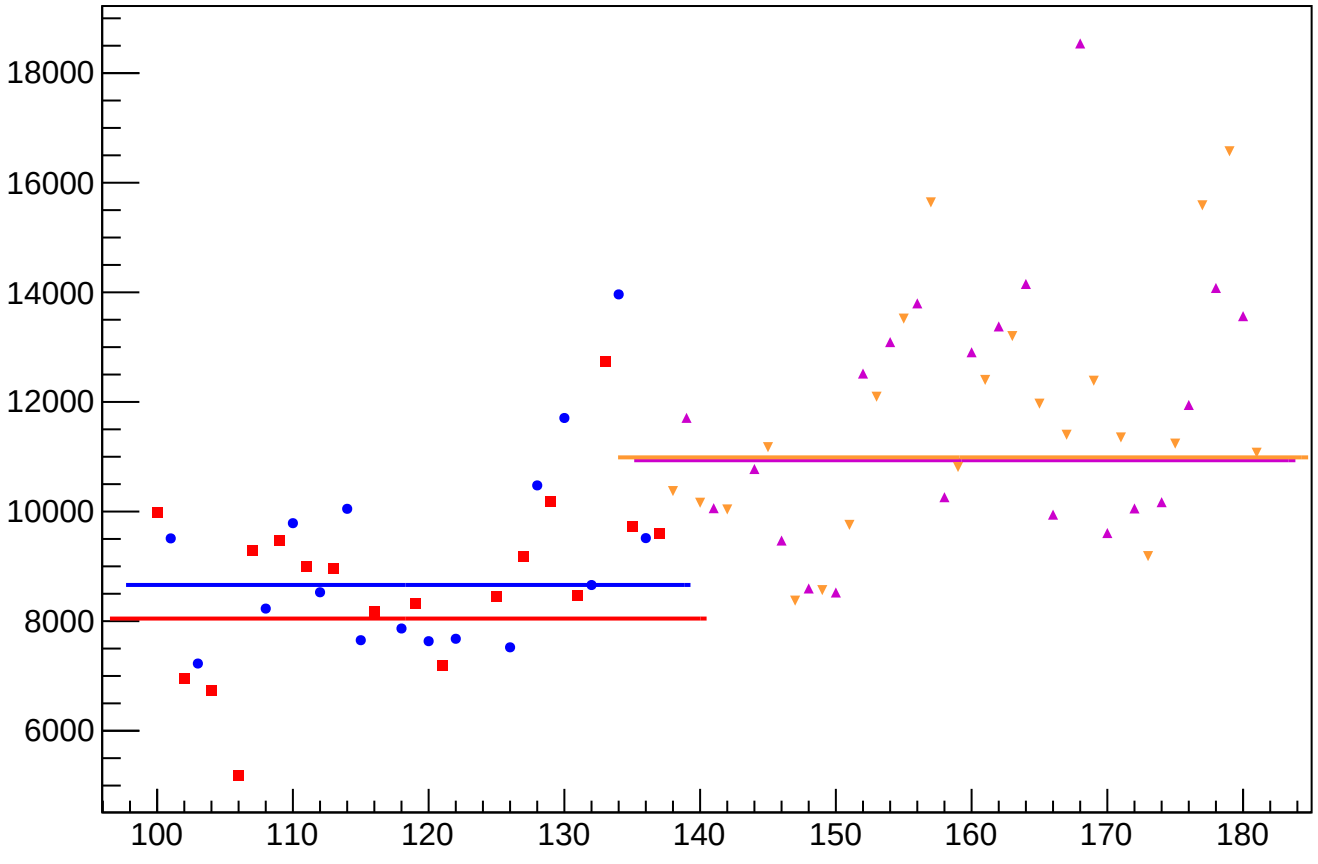
Right Out: -177.029+/-3035.348 χ^2/NDF: 15.6/17

Left In: -180.351+/-2687.961 χ^2/NDF:12.8/20

\+ sign -1180.392+/-2075.114 χ^2/NDF: 42.2/37

All: -664.264+/-1444.621 χ^2/NDF: 70.8/76

\- sign -178.891+/-2012.337 χ^2/NDF: 28.4/38



Right In: 8660.711+/-2.313 χ^2/NDF: 357964.1/15

Left Out: 10988.710+/-1.898 χ^2/NDF:1041887.9/21

Right Out: 8047.442+/-2.146 χ^2/NDF: 558557.8/17

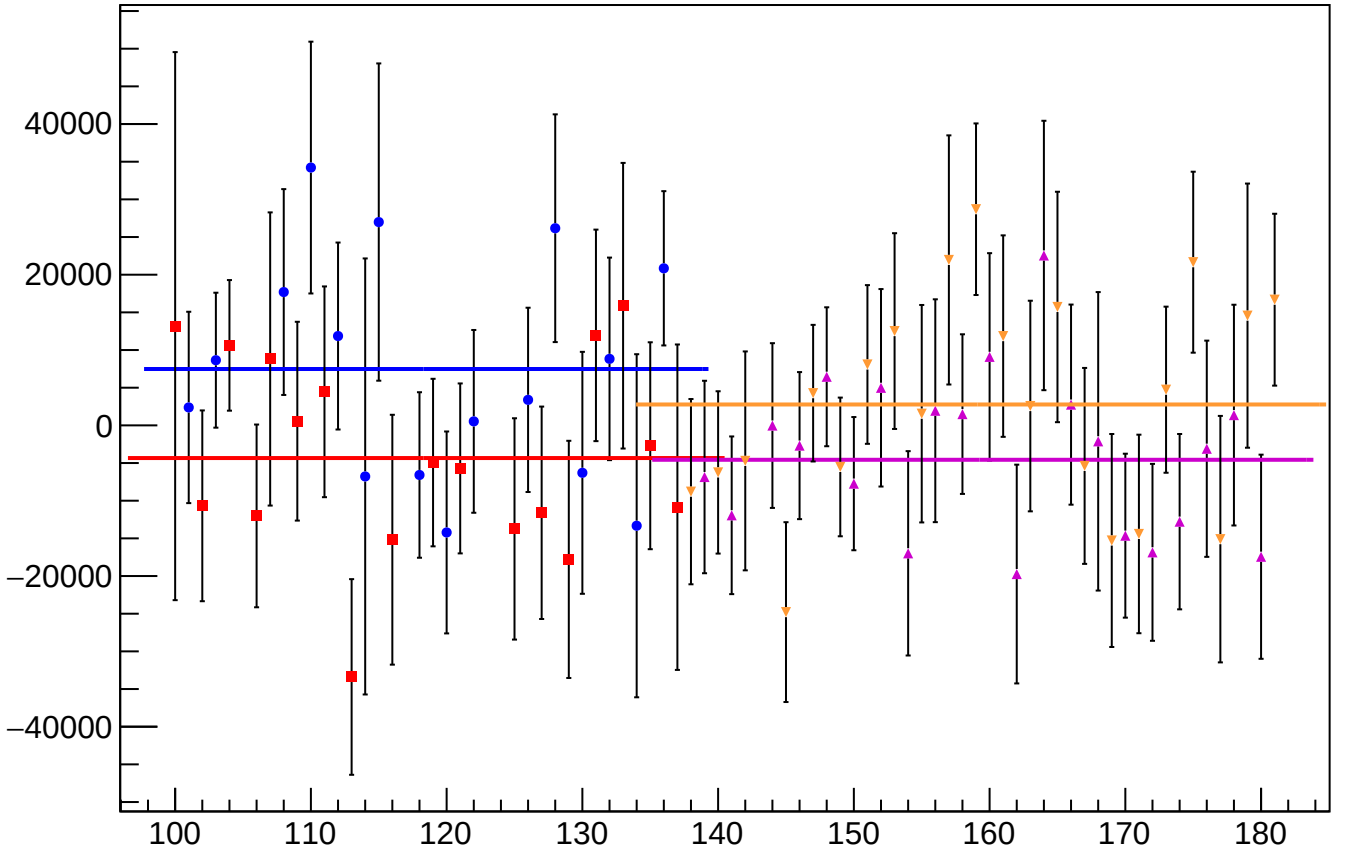
Left In: 10936.325+/-1.901 χ^2/NDF:1147430.8/20

+ sign 10052.209+/-1.467 χ^2/NDF: 2005104.9/37

All: 9853.476+/-1.022 χ^2/NDF: 4762066.9/76

- sign 9666.586+/-1.423 χ^2/NDF: 2721368.0/38

asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 7481.770+/-3330.915 χ^2/NDF: 14.0/15

Left Out: 2772.609+/-2639.364 χ^2/NDF:25.9/21

Right Out: -4338.165+/-3242.620 χ^2/NDF: 14.3/17

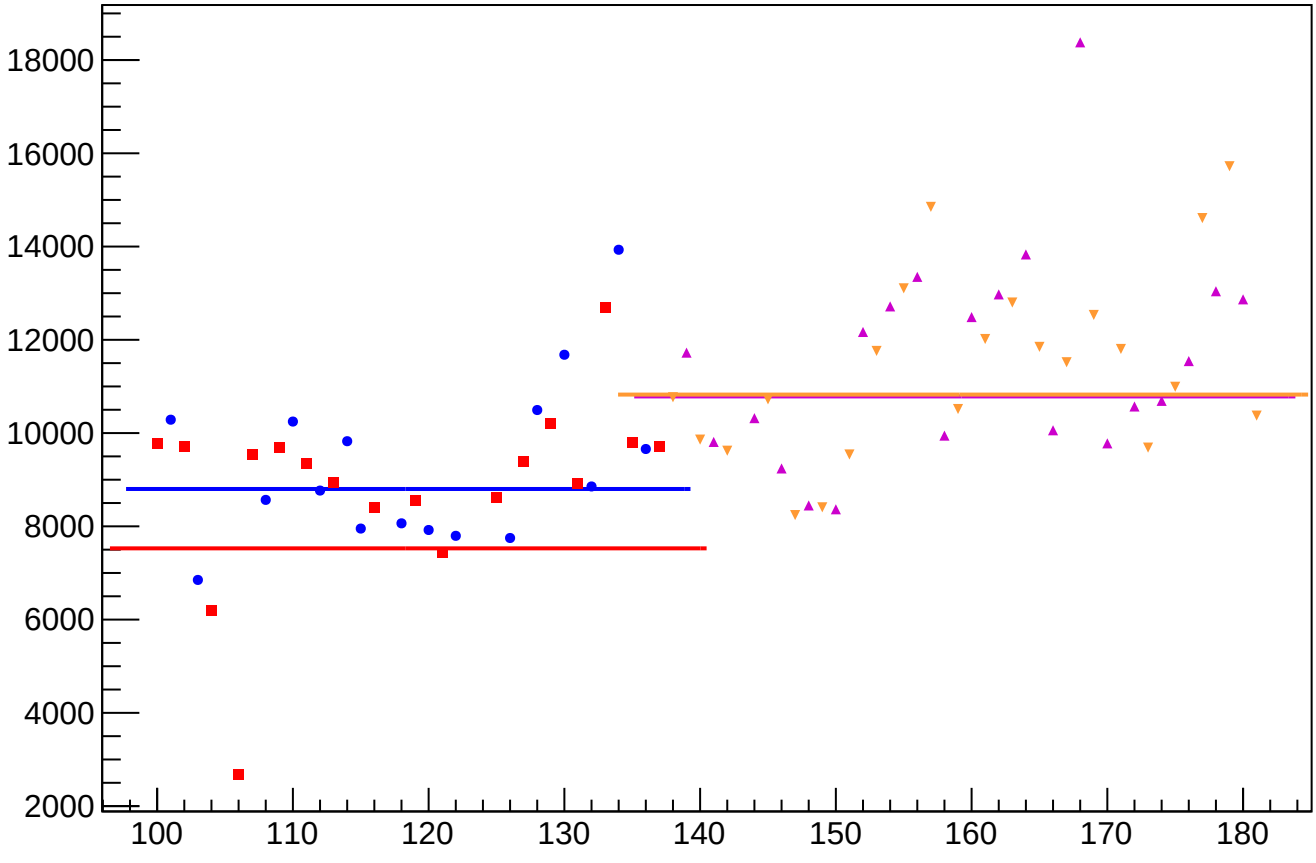
Left In: -4568.318+/-2646.129 χ^2/NDF:12.4/20

\+ sign 4588.938+/-2068.660 χ^2/NDF: 41.2/37

All: 15.538+/-1456.170 χ^2/NDF: 77.6/76

\- sign -4476.318+/-2050.135 χ^2/NDF: 26.7/38

asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 8801.075+/-2.355 χ^2/NDF: 394575.1/15

Left Out: 10825.572+/-1.866 χ^2/NDF:938870.0/21

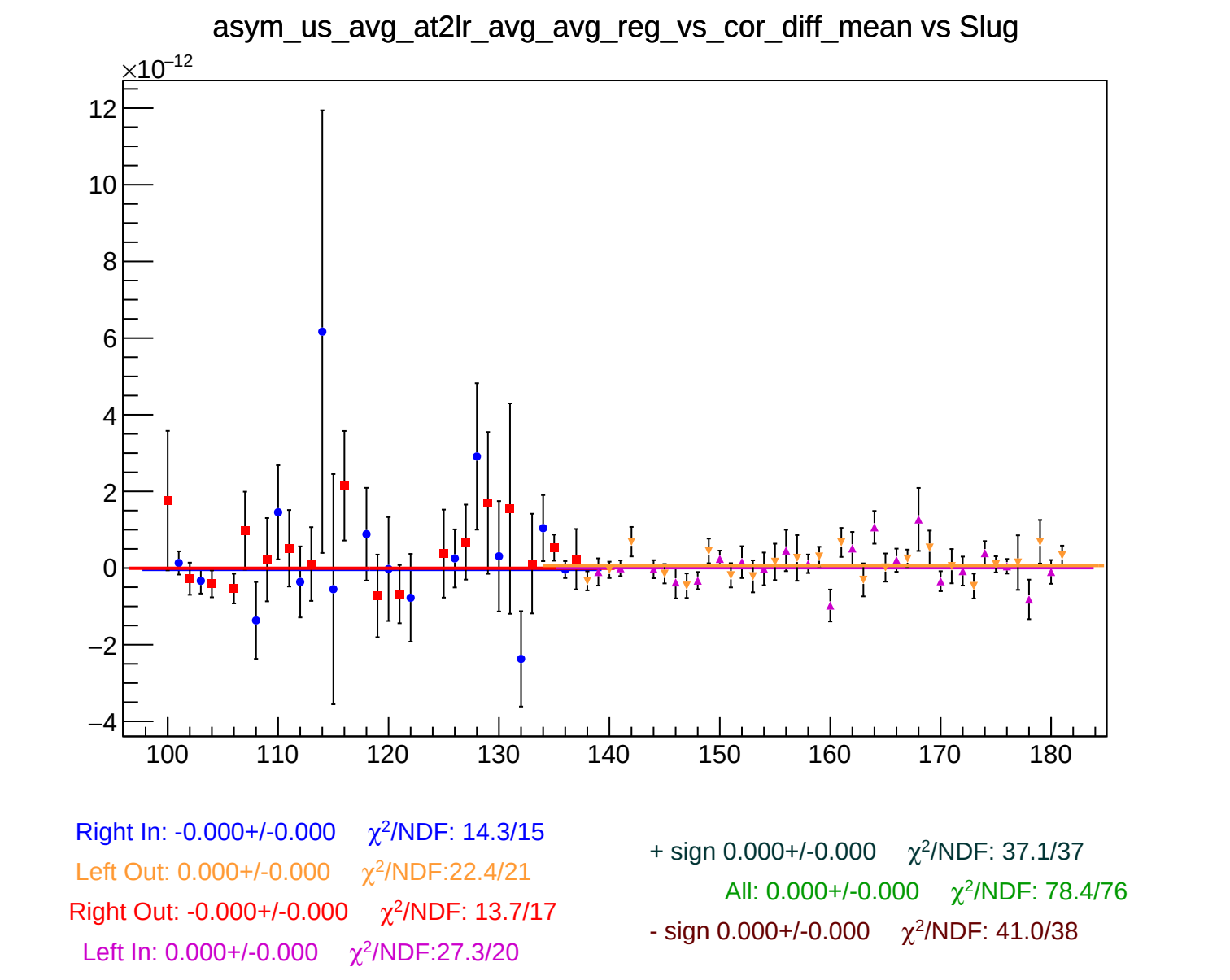
Right Out: 7527.803+/-2.128 χ^2/NDF: 1657299.8/17

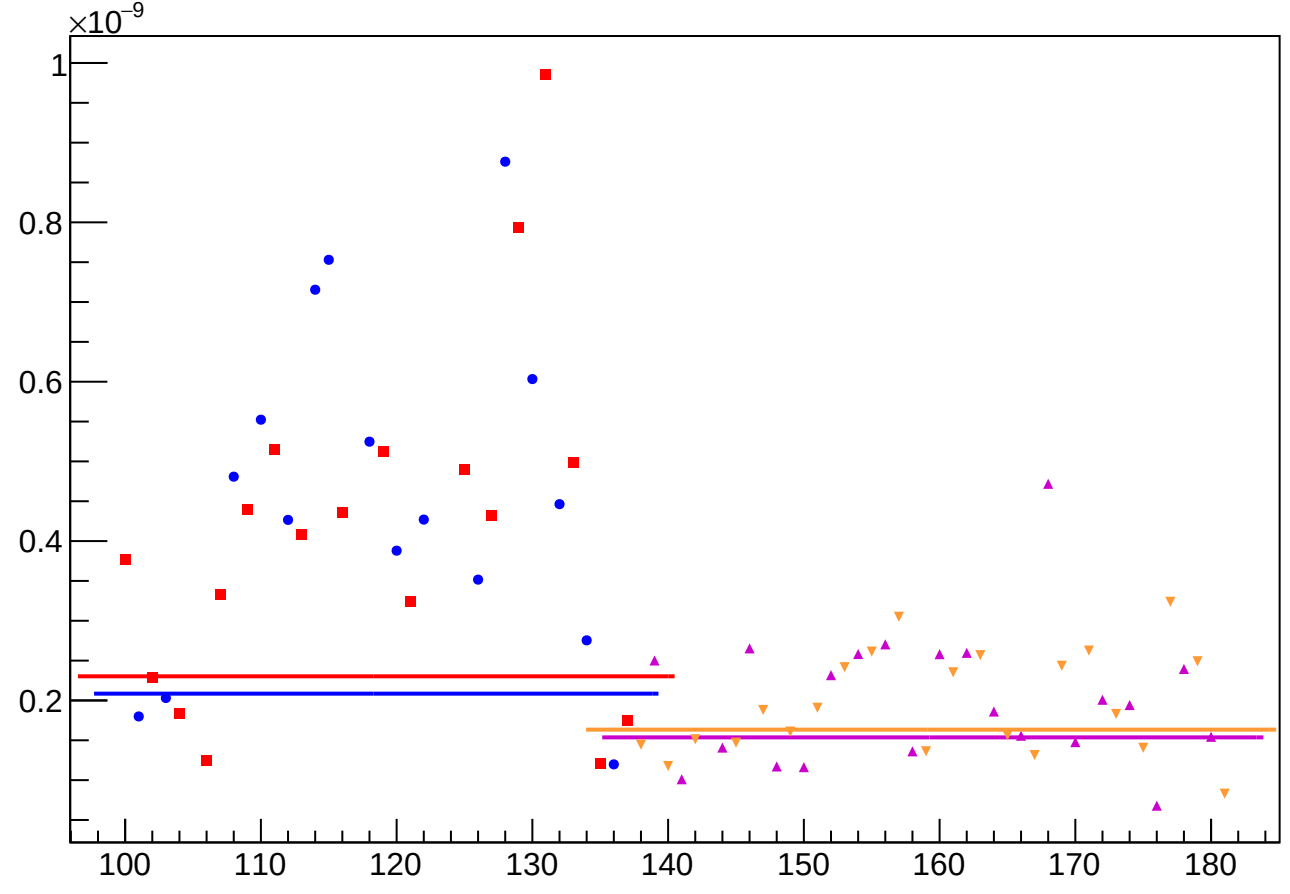
Left In: 10785.710+/-1.871 χ^2/NDF:1047781.2/20

+ sign 10044.710+/-1.463 χ^2/NDF: 1787306.5/37

All: 9691.456+/-1.013 χ^2/NDF: 5926198.1/76

- sign 9365.429+/-1.405 χ^2/NDF: 4026743.6/38


asym_us_avg_at2lr_avg_avg_reg_vs_cor_diff_mean vs Slug
×10^−12
12
10
8
6
4
2
0
−2
−4
100
110
120
130
140
150
160
170
180
Right In: -0.000+/-0.000 χ²/NDF: 14.3/15
Left Out: 0.000+/-0.000 χ²/NDF:22.4/21
Right Out: -0.000+/-0.000 χ²/NDF: 13.7/17
Left In: 0.000+/-0.000 χ²/NDF:27.3/20
+ sign 0.000+/-0.000 χ²/NDF: 37.1/37
All: 0.000+/-0.000 χ²/NDF: 78.4/76
- sign 0.000+/-0.000 χ²/NDF: 41.0/38



Right In: 0.000+/-0.000 χ^2/NDF: 1632322.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1177064.9/21

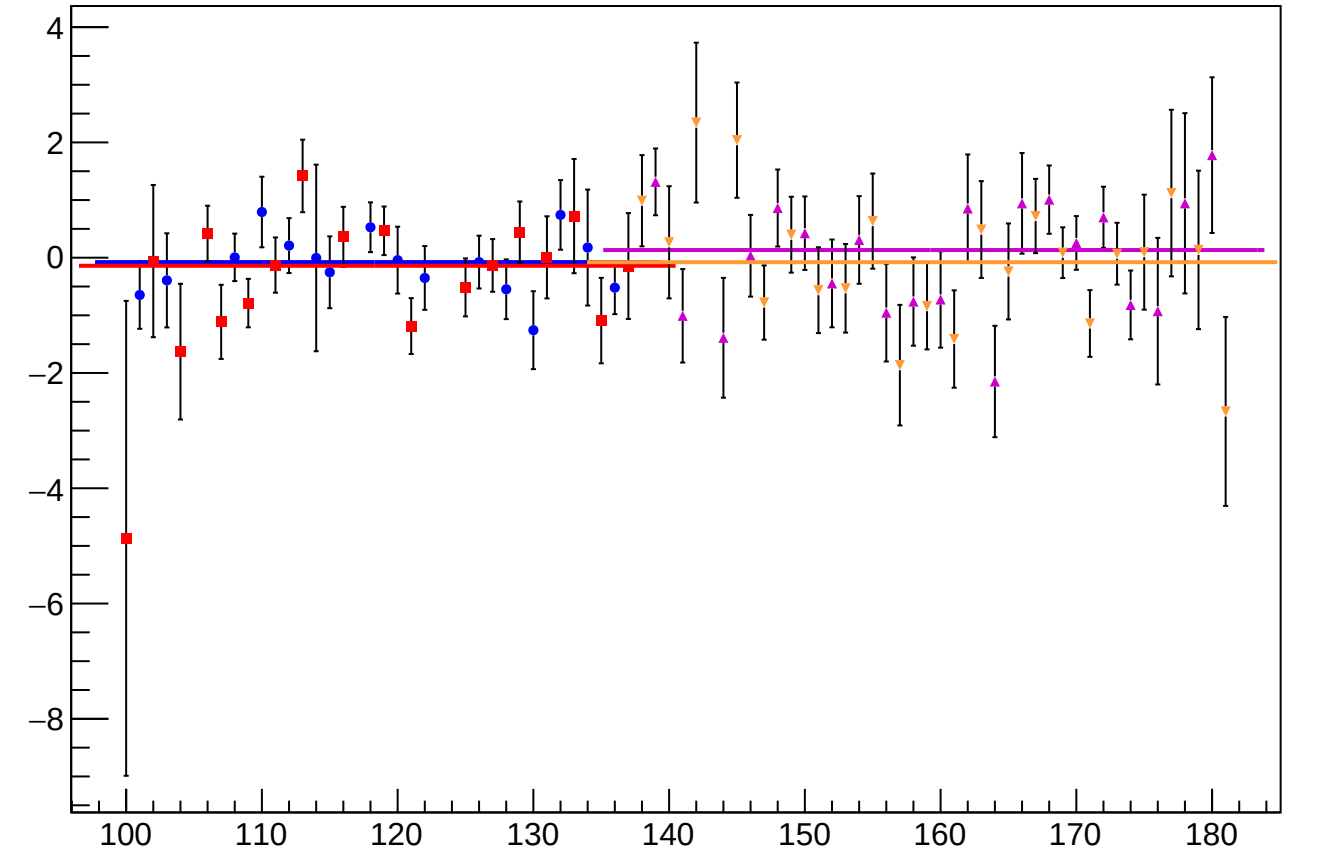
Right Out: 0.000+/-0.000 χ^2/NDF: 1561654.8/17

Left In: 0.000+/-0.000 χ^2/NDF:1917182.7/20

+ sign 0.000+/-0.000 χ^2/NDF: 2974688.6/37

All: 0.000+/-0.000 χ^2/NDF: 6872862.0/76

- sign 0.000+/-0.000 χ^2/NDF: 3886357.3/38



Right In: -0.076+/-0.140 χ^2/NDF: 12.5/15

Left Out: -0.078+/-0.164 χ^2/NDF:28.0/21

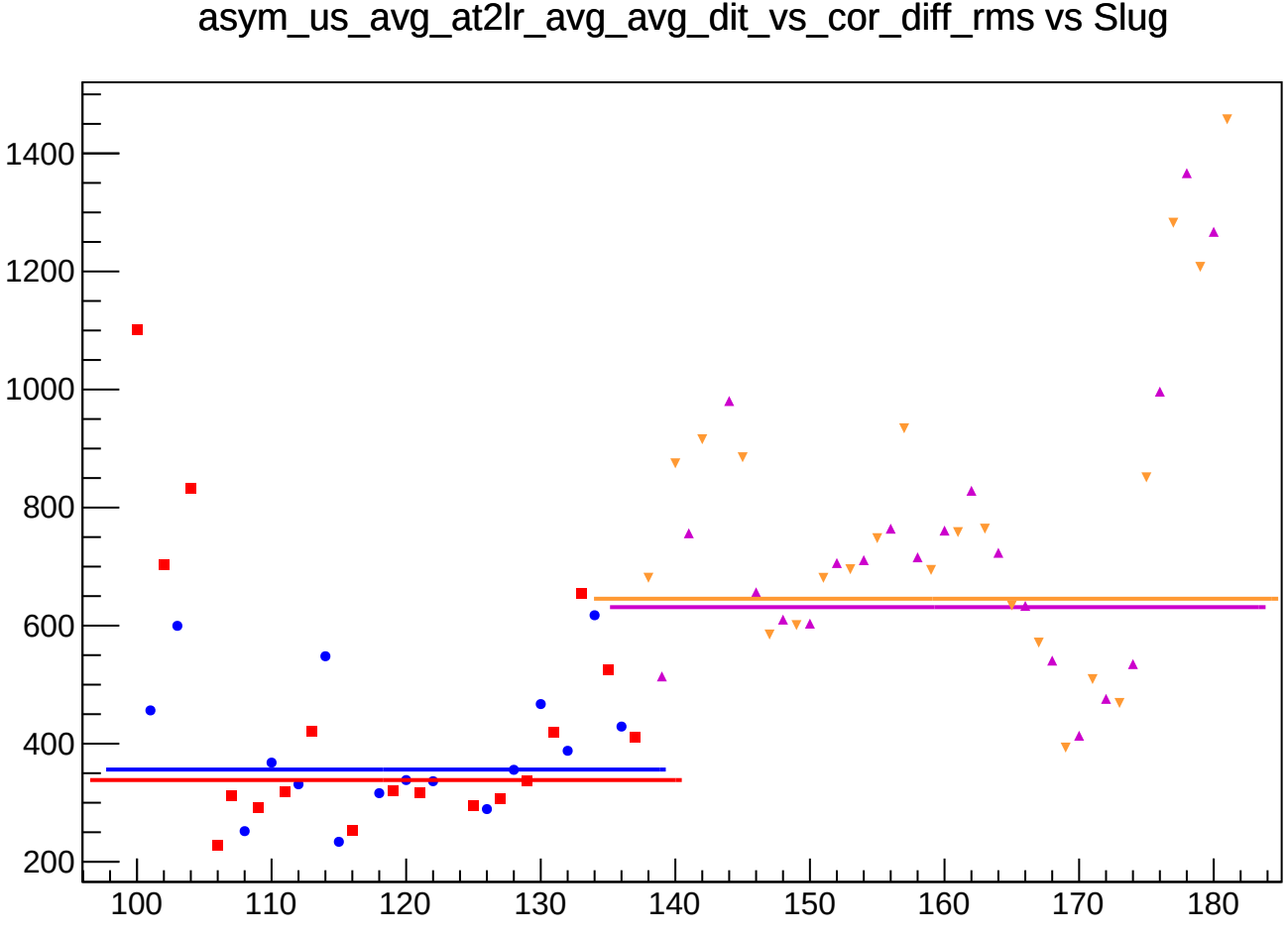
Right Out: -0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: 0.133+/-0.160 χ^2/NDF:29.8/20

+ sign -0.077+/-0.106 χ^2/NDF: 40.5/37

All: -0.050+/-0.075 χ^2/NDF: 99.1/76

- sign -0.024+/-0.105 χ^2/NDF: 58.5/38



Right In: 356.190+/-0.099 χ^2/NDF: 785107.3/15

Left Out: 645.578+/-0.116 χ^2/NDF:2923167.6/21

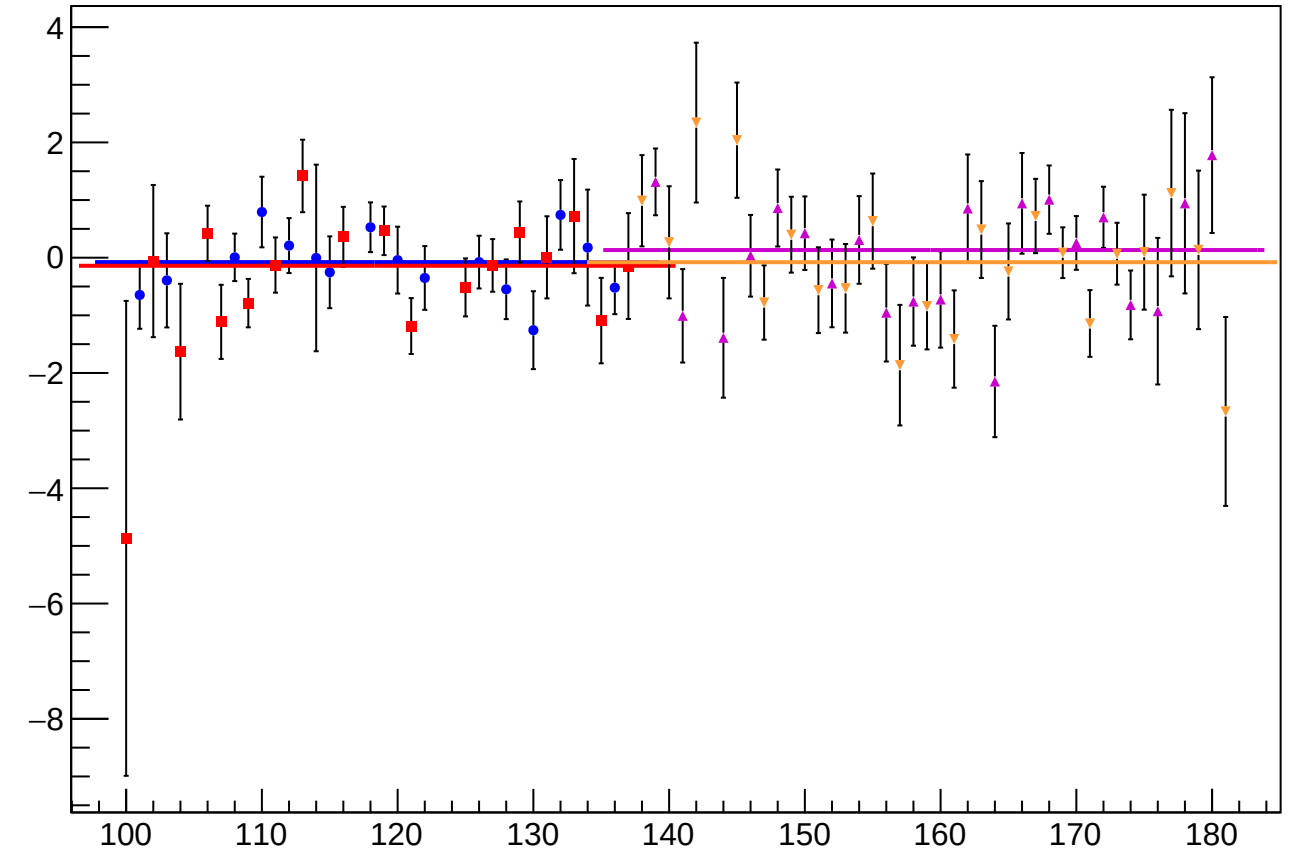
Right Out: 338.410+/-0.098 χ^2/NDF: 1203282.0/17

Left In: 631.296+/-0.113 χ^2/NDF:2391172.1/20

+ sign 478.143+/-0.075 χ^2/NDF: 7314600.9/37

All: 470.547+/-0.053 χ^2/NDF: 14769639.5/76

- sign 463.219+/-0.074 χ^2/NDF: 7435015.5/38



Right In: -0.076+/-0.140 χ^2/NDF: 12.5/15

Left Out: -0.078+/-0.164 χ^2/NDF:28.0/21

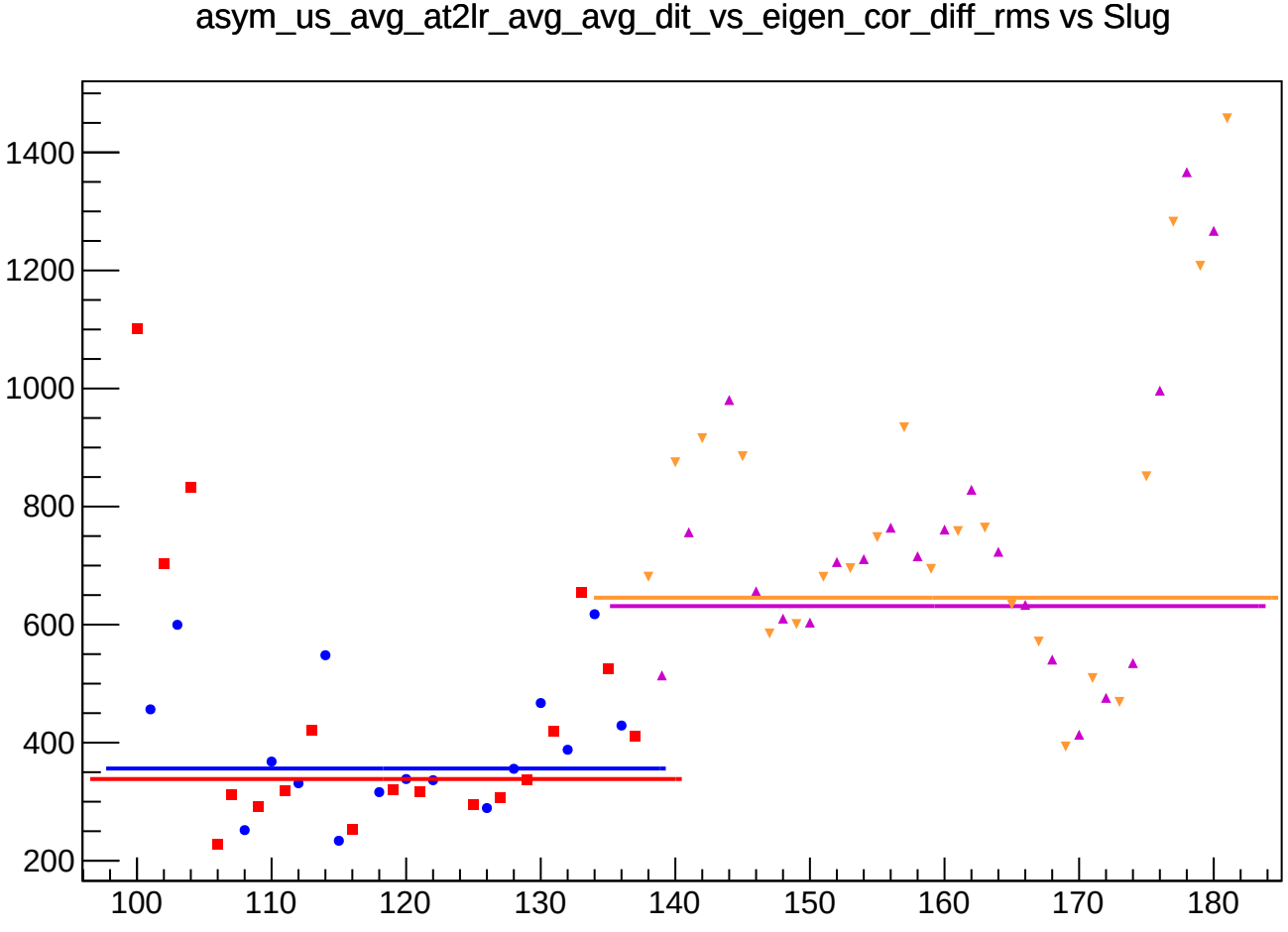
Right Out: -0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: 0.133+/-0.160 χ^2/NDF:29.8/20

+ sign -0.077+/-0.106 χ^2/NDF: 40.5/37

All: -0.050+/-0.075 χ^2/NDF: 99.1/76

- sign -0.024+/-0.105 χ^2/NDF: 58.5/38



Right In: 356.190+/-0.099 χ^2/NDF: 785107.3/15

Left Out: 645.578+/-0.116 χ^2/NDF:2923167.6/21

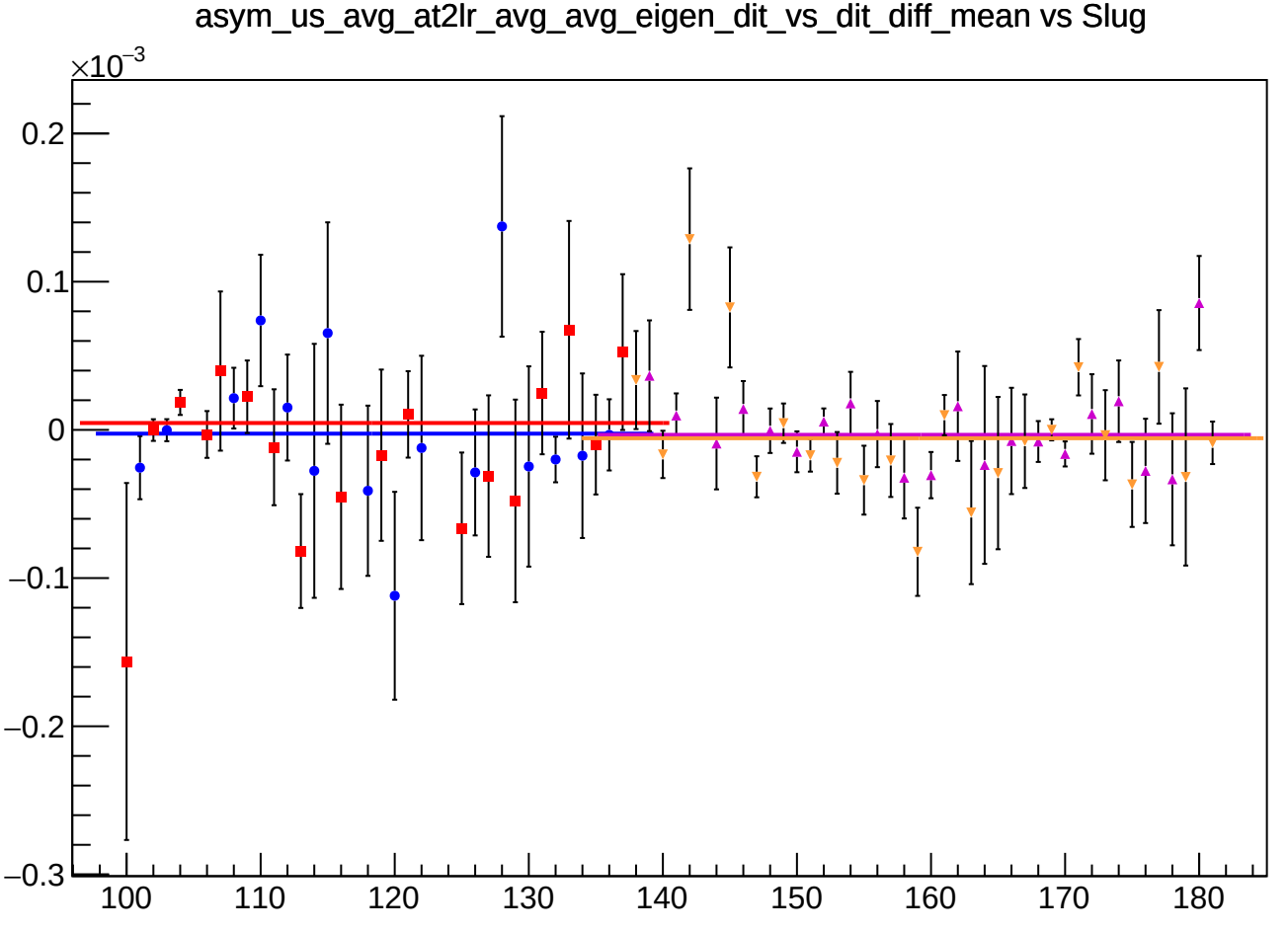
Right Out: 338.410+/-0.098 χ^2/NDF: 1203282.0/17

Left In: 631.296+/-0.113 χ^2/NDF:2391172.1/20

+ sign 478.143+/-0.075 χ^2/NDF: 7314600.9/37

All: 470.547+/-0.053 χ^2/NDF: 14769639.5/76

- sign 463.219+/-0.074 χ^2/NDF: 7435015.5/38



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

Left Out: -0.000+/-0.000 χ^2/NDF:41.4/21

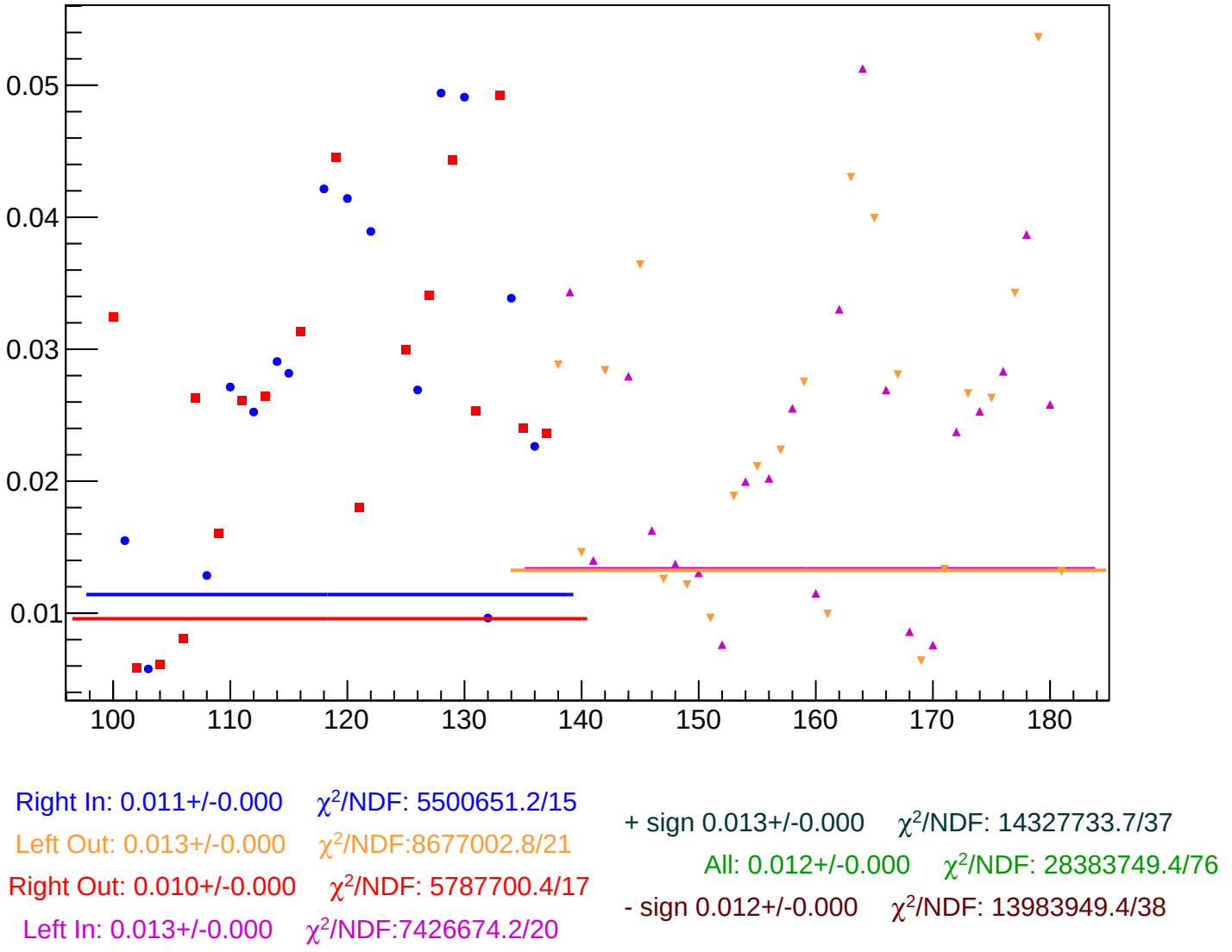
Right Out: 0.000+/-0.000 χ^2/NDF: 17.1/17

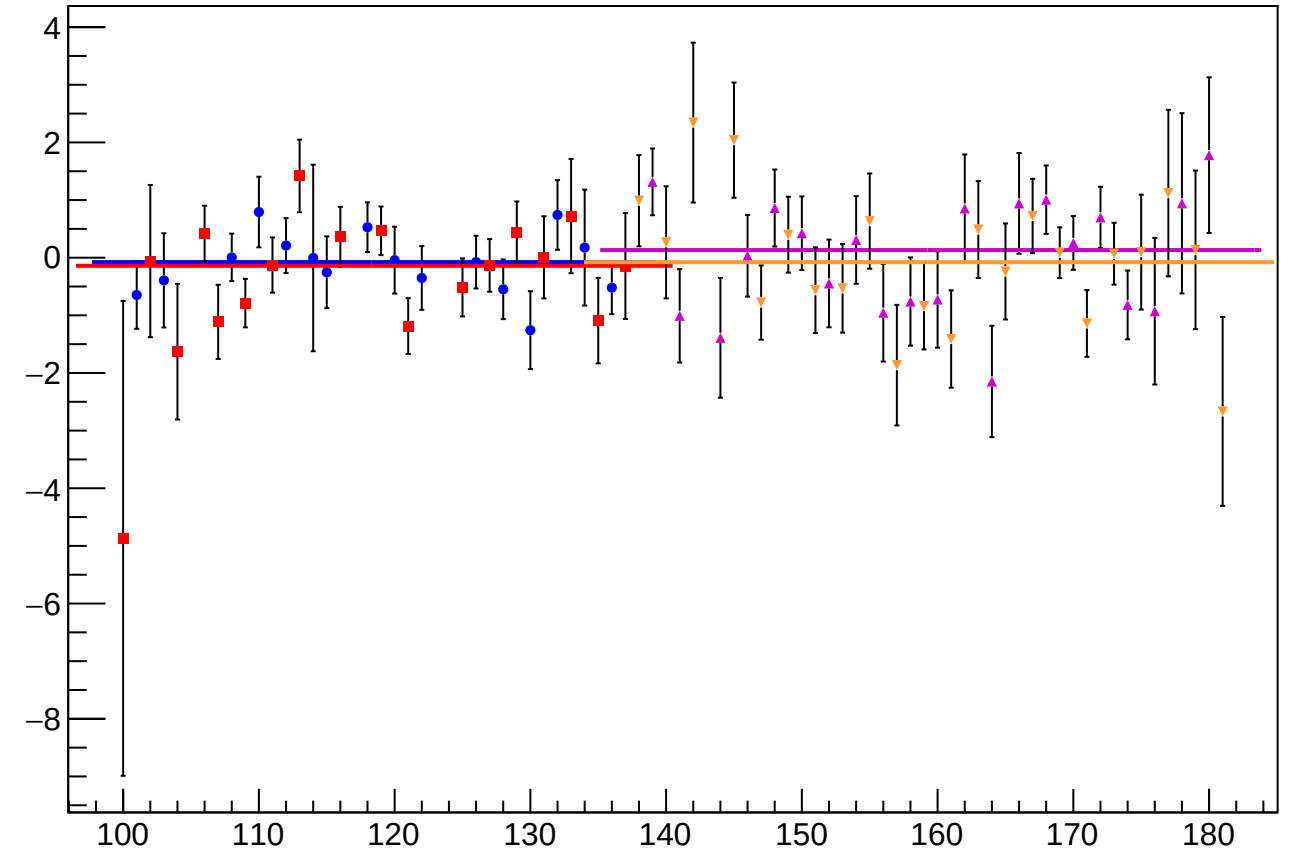
Left In: -0.000+/-0.000 χ^2/NDF:22.2/20

+ sign -0.000+/-0.000 χ^2/NDF: 56.7/37

All: -0.000+/-0.000 χ^2/NDF: 98.8/76

- sign -0.000+/-0.000 χ^2/NDF: 41.0/38


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:8677002.8/21
Right Out: 0.010+/-0.000 χ²/NDF: 5787700.4/17
Left In: 0.013+/-0.000 χ²/NDF:7426674.2/20
+ sign 0.013+/-0.000 χ²/NDF: 14327733.7/37
All: 0.012+/-0.000 χ²/NDF: 28383749.4/76
- sign 0.012+/-0.000 χ²/NDF: 13983949.4/38



Right In: -0.076+/-0.140 χ^2/NDF: 12.5/15

Left Out: -0.078+/-0.164 χ^2/NDF:28.0/21

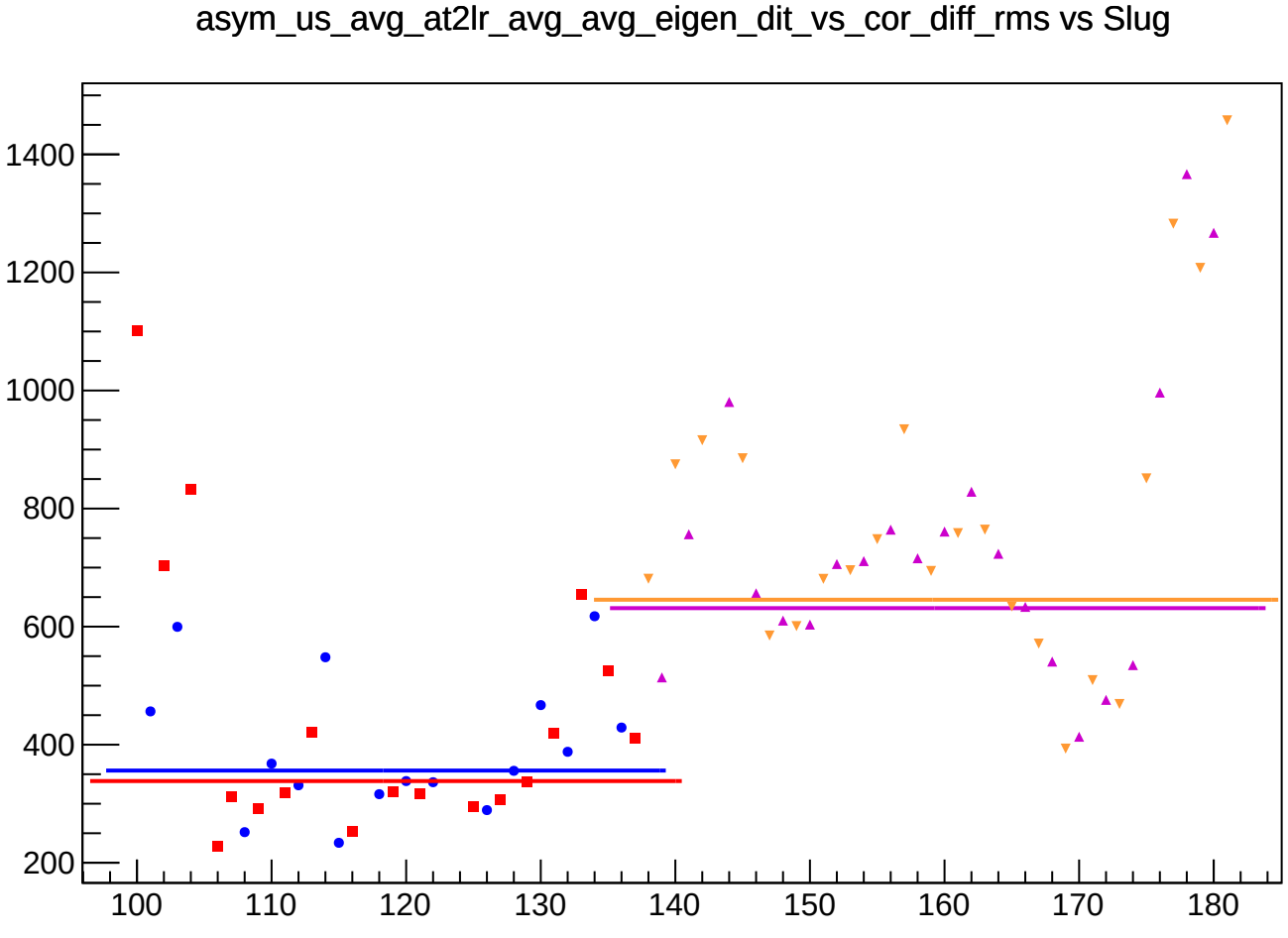
Right Out: -0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: 0.133+/-0.160 χ^2/NDF:29.8/20

+ sign -0.077+/-0.106 χ^2/NDF: 40.5/37

All: -0.050+/-0.075 χ^2/NDF: 99.1/76

- sign -0.024+/-0.105 χ^2/NDF: 58.5/38



Right In: 356.188+/-0.099 χ^2/NDF: 785072.9/15

Left Out: 645.578+/-0.116 χ^2/NDF:2923380.3/21

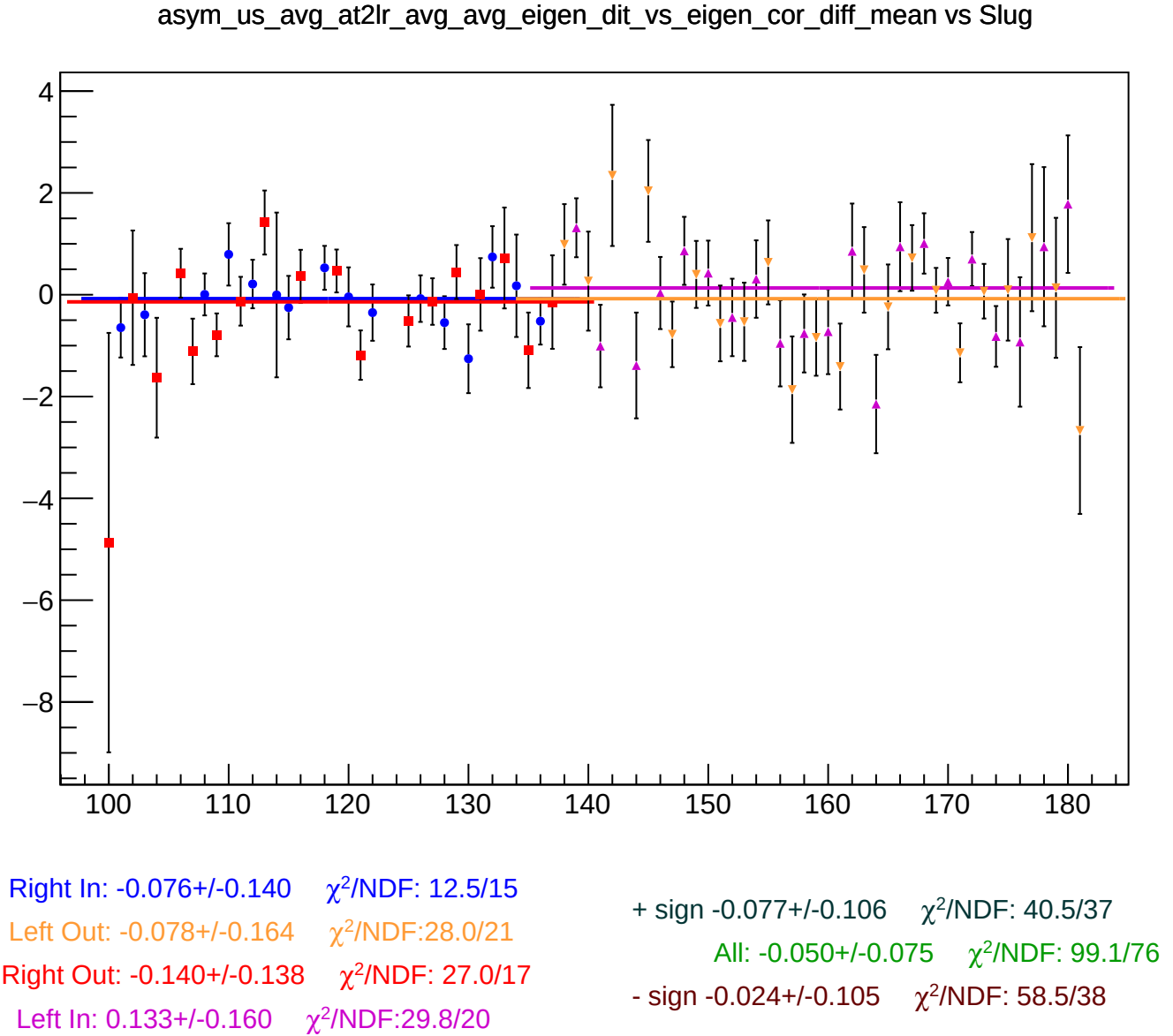
Right Out: 338.408+/-0.098 χ^2/NDF: 1203260.7/17

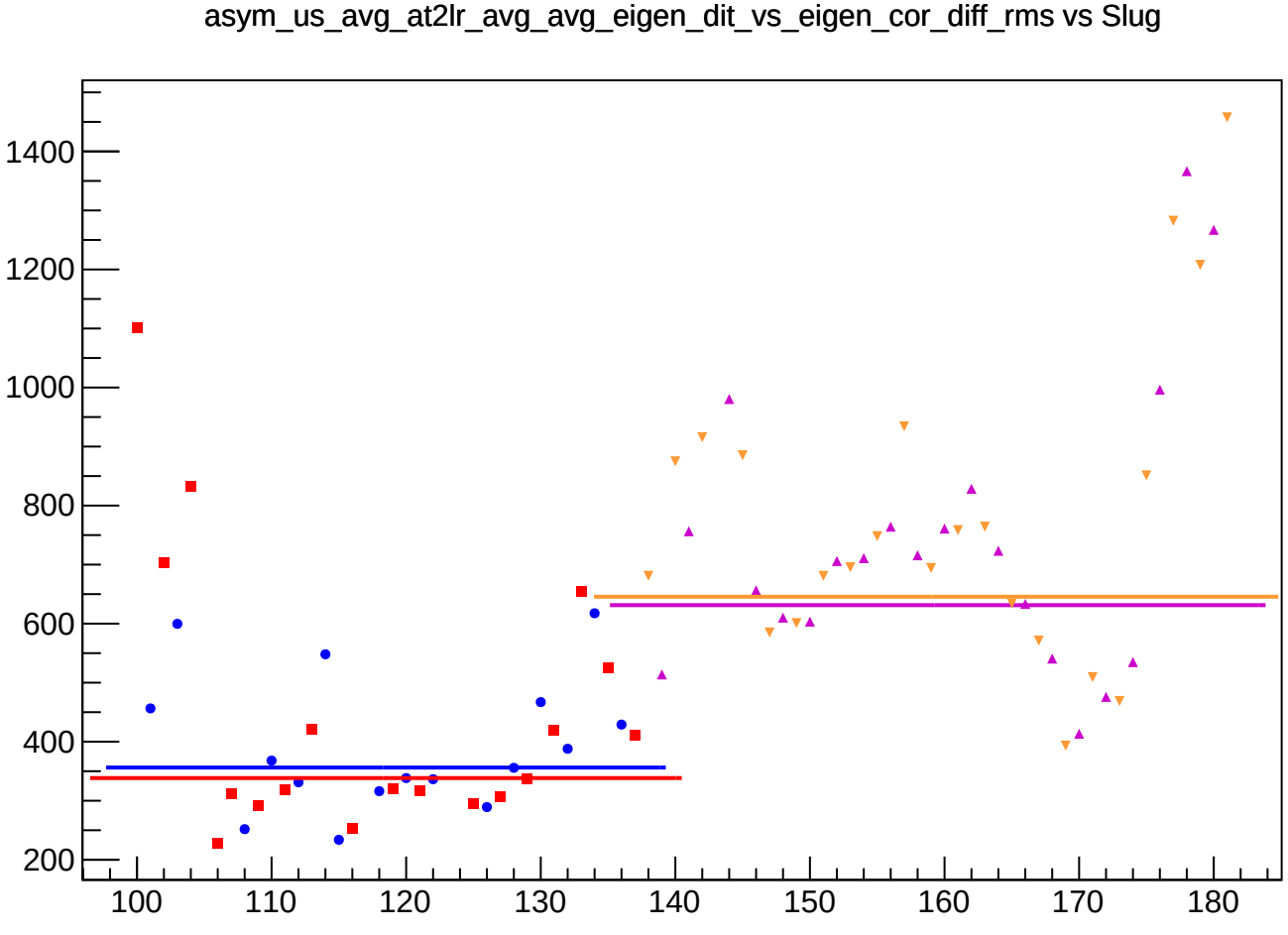
Left In: 631.299+/-0.113 χ^2/NDF:2391322.1/20

+ sign 478.141+/-0.075 χ^2/NDF: 7314819.2/37

All: 470.545+/-0.053 χ^2/NDF: 14770106.1/76

- sign 463.217+/-0.074 χ^2/NDF: 7435263.8/38


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: -0.078+/-0.164 χ²/NDF:28.0/21
Right Out: -0.140+/-0.138 χ²/NDF: 27.0/17
Left In: 0.133+/-0.160 χ²/NDF:29.8/20
+ sign -0.077+/-0.106 χ²/NDF: 40.5/37
All: -0.050+/-0.075 χ²/NDF: 99.1/76
- sign -0.024+/-0.105 χ²/NDF: 58.5/38



Right In: 356.188+/-0.099 χ^2/NDF: 785072.9/15

Left Out: 645.578+/-0.116 χ^2/NDF:2923380.3/21

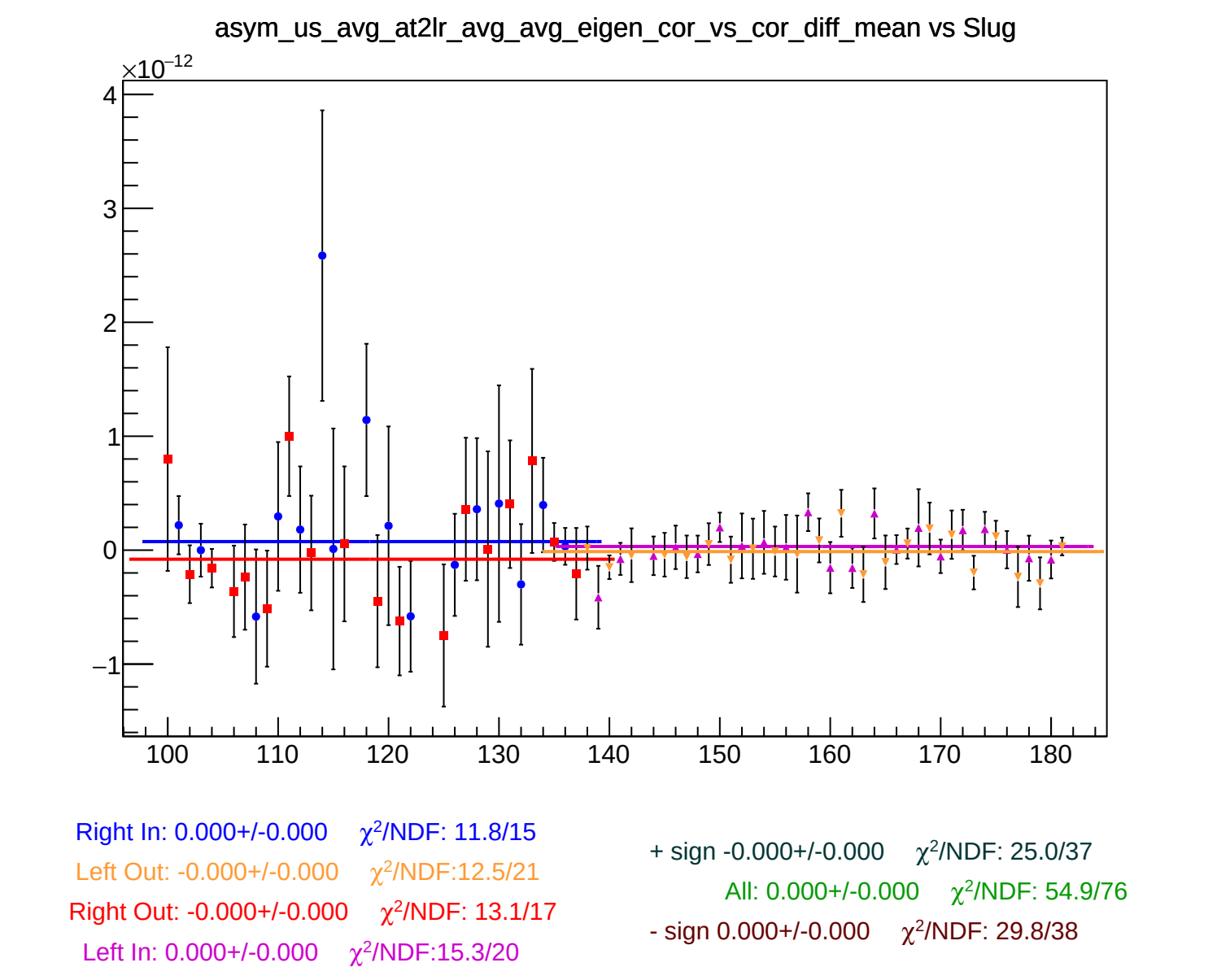
Right Out: 338.408+/-0.098 χ^2/NDF: 1203260.7/17

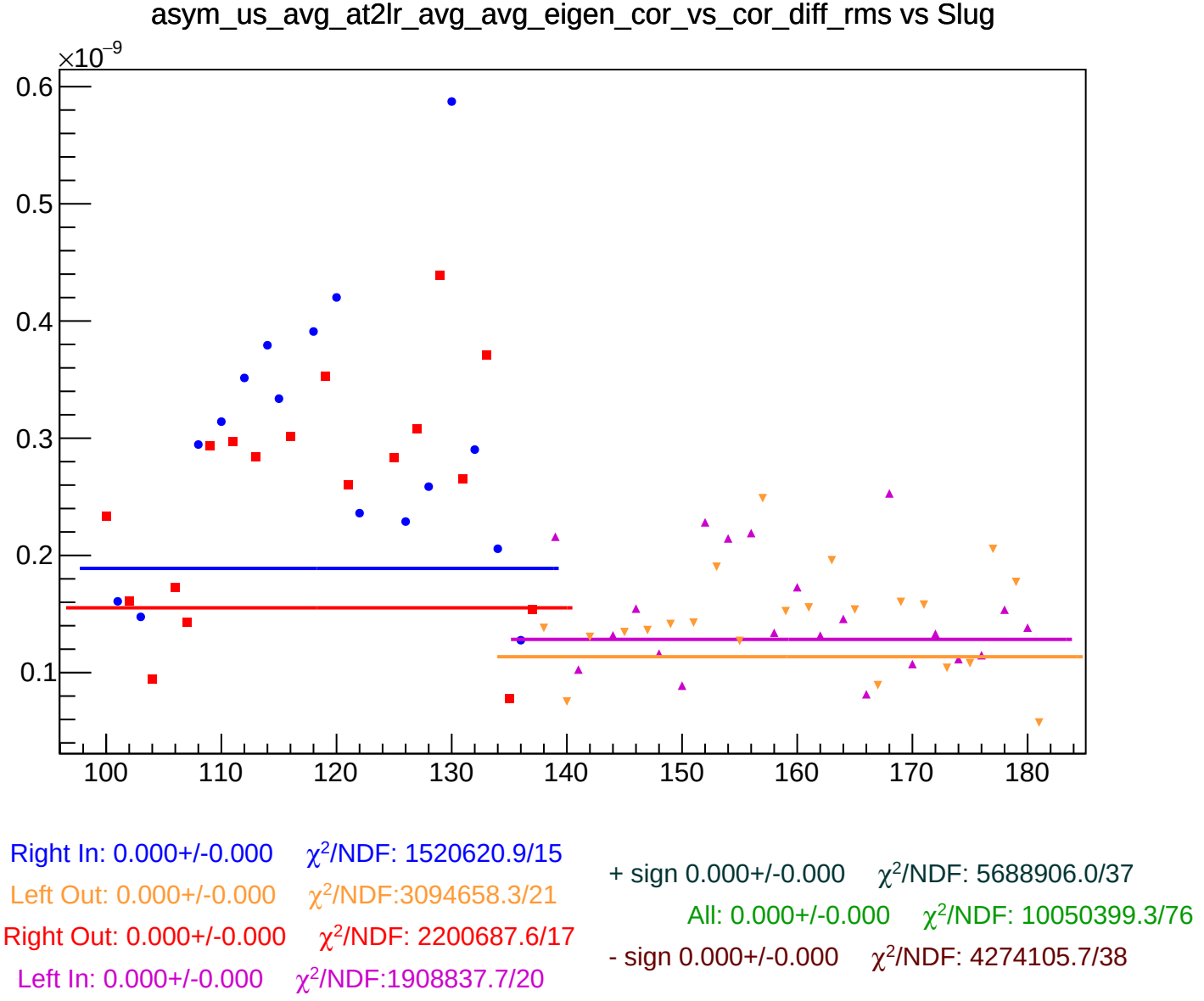
Left In: 631.299+/-0.113 χ^2/NDF:2391322.1/20

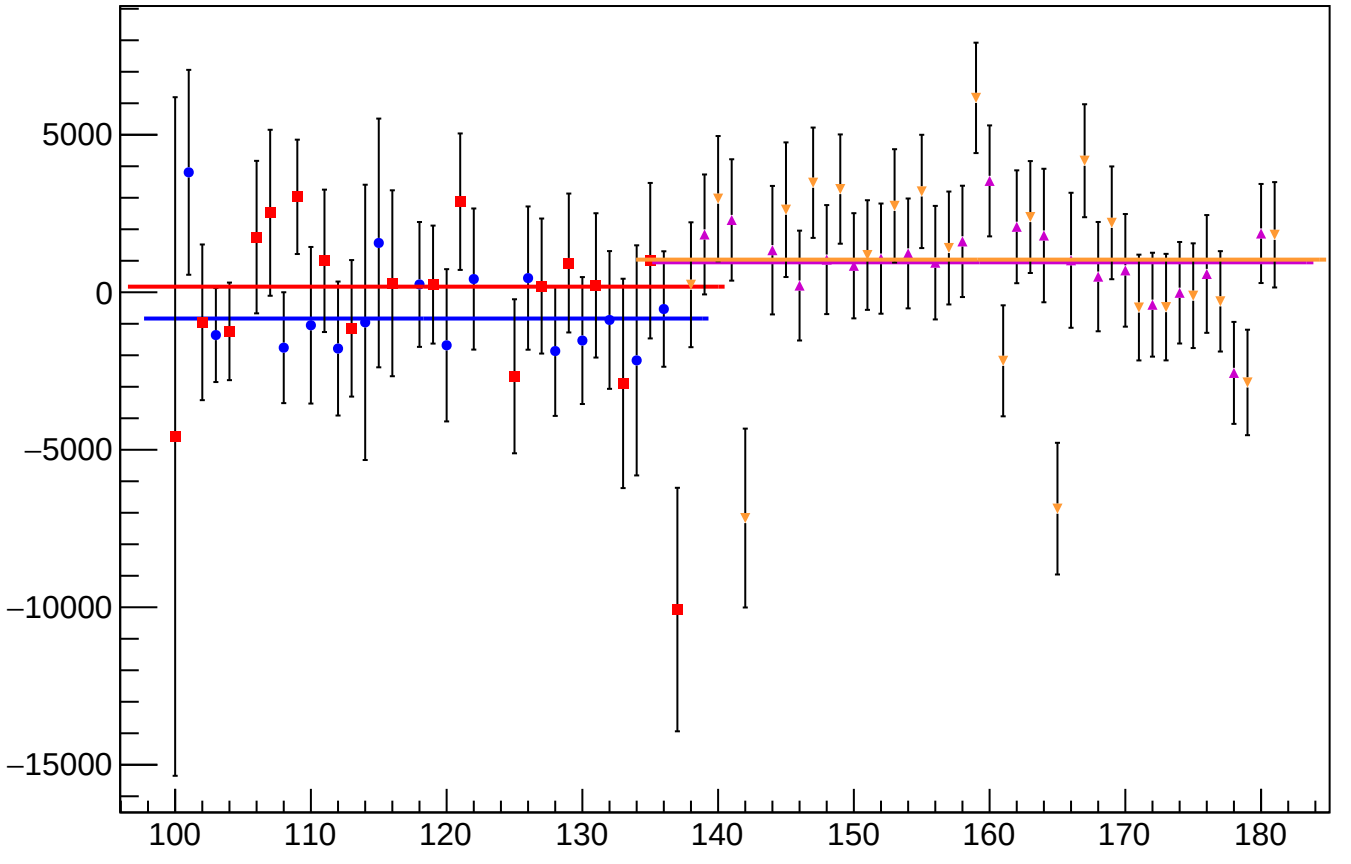
+ sign 478.141+/-0.075 χ^2/NDF: 7314819.2/37

All: 470.545+/-0.053 χ^2/NDF: 14770106.1/76

- sign 463.217+/-0.074 χ^2/NDF: 7435263.8/38


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:12.5/21
Right Out: -0.000+/-0.000 χ²/NDF: 13.1/17
Left In: 0.000+/-0.000 χ²/NDF:15.3/20
+ sign -0.000+/-0.000 χ²/NDF: 25.0/37
All: 0.000+/-0.000 χ²/NDF: 54.9/76
- sign 0.000+/-0.000 χ²/NDF: 29.8/38


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:3094658.3/21
Right Out: 0.000+/-0.000 χ²/NDF: 2200687.6/17
Left In: 0.000+/-0.000 χ²/NDF:1908837.7/20
+ sign 0.000+/-0.000 χ²/NDF: 5688906.0/37
All: 0.000+/-0.000 χ²/NDF: 10050399.3/76
- sign 0.000+/-0.000 χ²/NDF: 4274105.7/38



Right In: -833.479+/-554.833 χ^2/NDF: 4.6/15

Left Out: 1036.570+/-384.633 χ^2/NDF:54.7/21

Right Out: 178.292+/-547.824 χ^2/NDF: 16.5/17

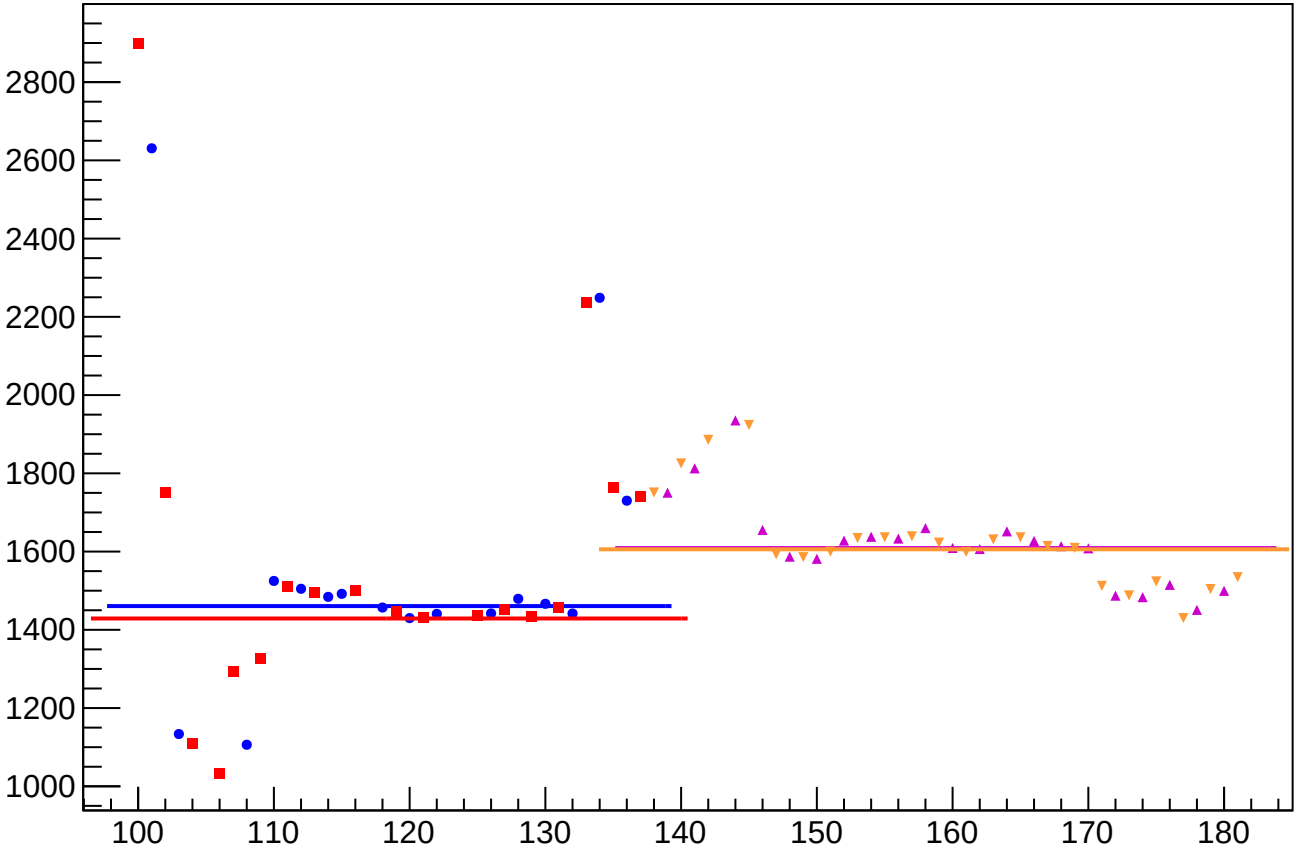
Left In: 951.238+/-388.225 χ^2/NDF:10.0/20

\+ sign 429.571+/-316.104 χ^2/NDF: 67.0/37

All: 560.932+/-223.748 χ^2/NDF: 95.1/76

\- sign 692.831+/-316.751 χ^2/NDF: 27.8/38

reg_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.1/15

Left Out: 1605.796+/-0.272 χ^2/NDF:158245.0/21

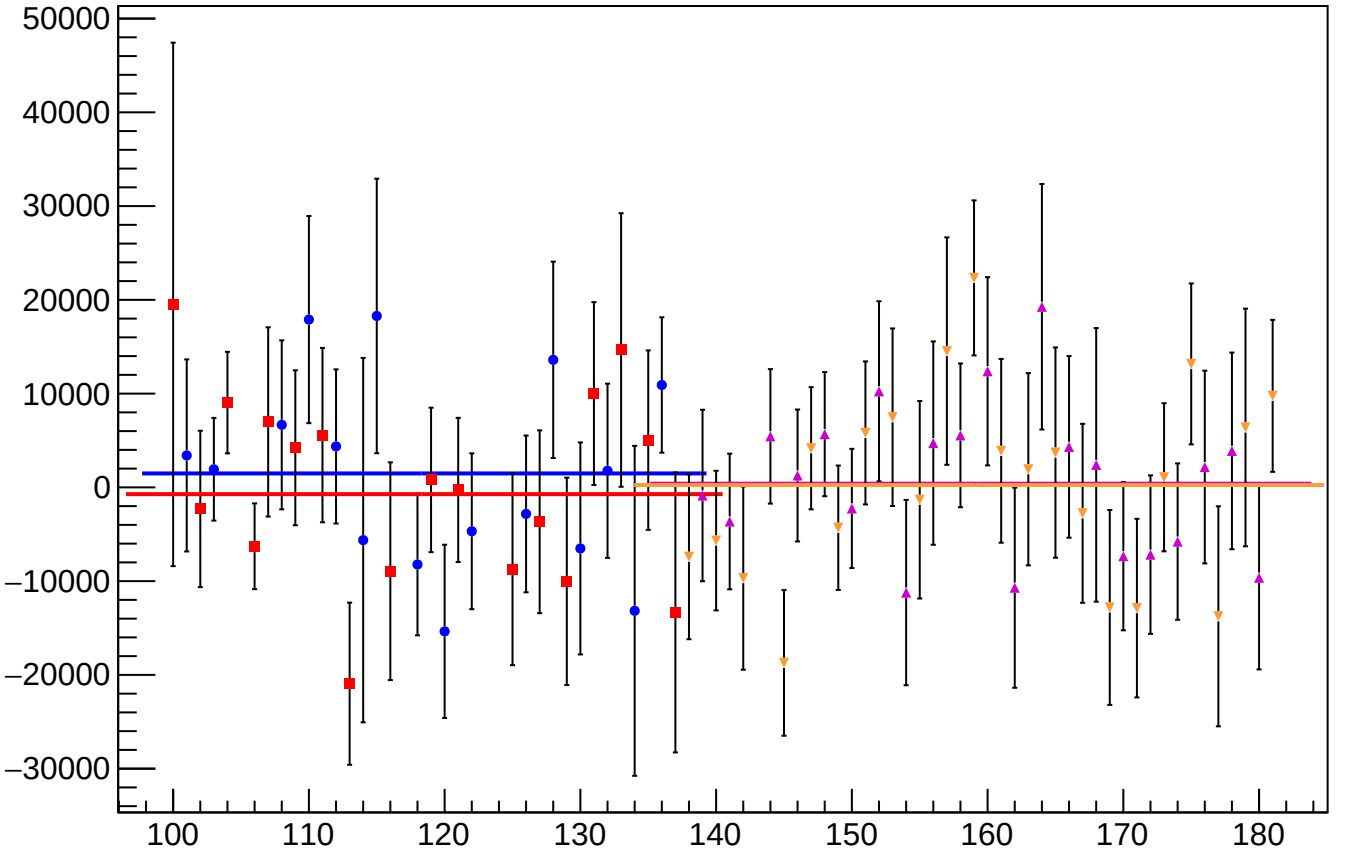
Right Out: 1428.940+/-0.385 χ^2/NDF: 411275.6/17

Left In: 1608.938+/-0.275 χ^2/NDF:147453.8/20

+ sign 1558.684+/-0.224 χ^2/NDF: 826421.6/37

All: 1553.423+/-0.158 χ^2/NDF: 1531411.3/76

- sign 1548.167+/-0.223 χ^2/NDF: 703882.3/38



Right In: 1487.438+/-2268.028 χ^2/NDF: 14.2/15

Left Out: 249.182+/-1887.994 χ^2/NDF:28.0/21

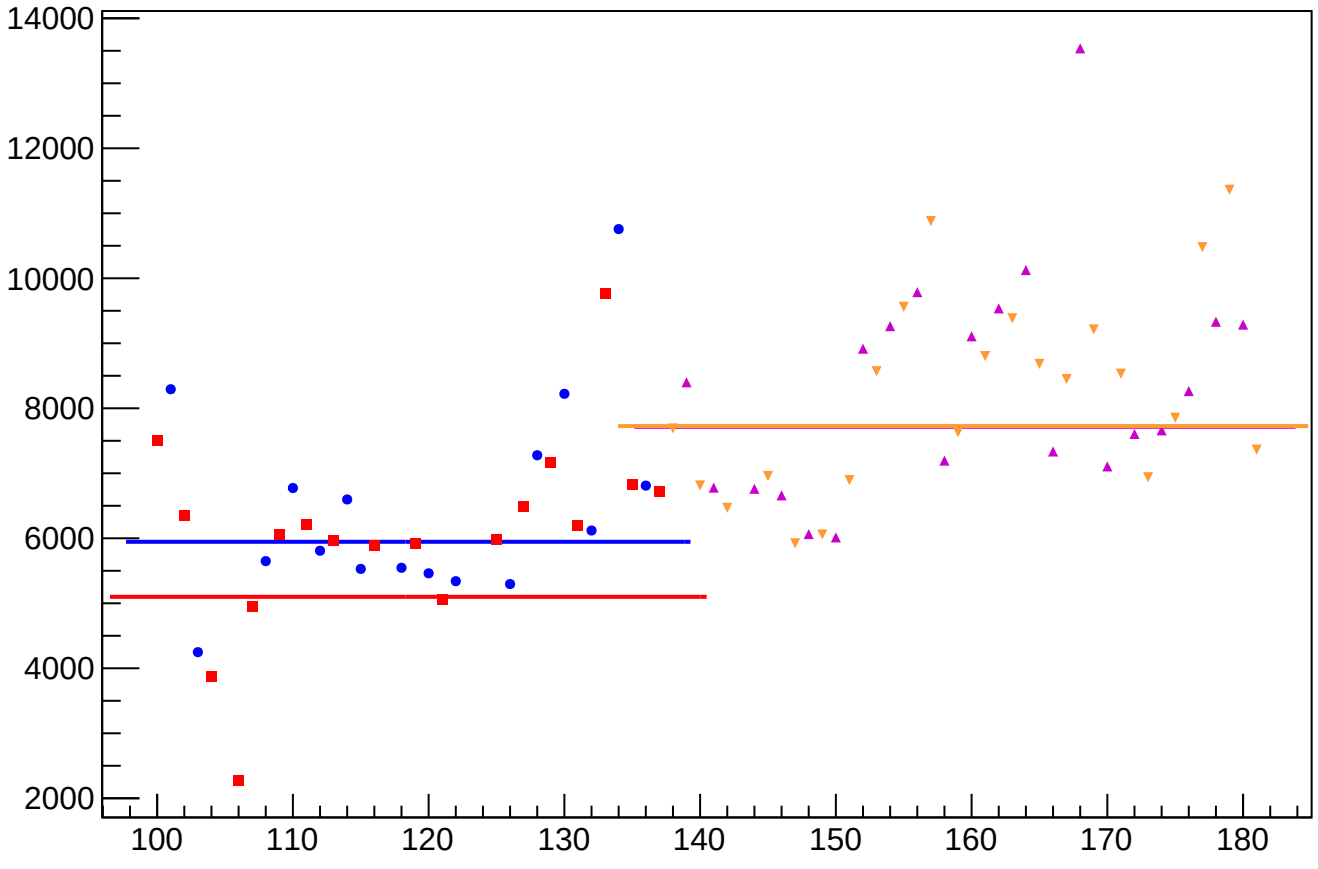
Right Out: -720.166+/-2011.559 χ^2/NDF: 17.5/17

Left In: 391.783+/-1896.078 χ^2/NDF:13.0/20

+ sign 756.020+/-1451.035 χ^2/NDF: 42.4/37

All: 289.998+/-999.882 χ^2/NDF: 73.2/76

- sign -131.359+/-1379.749 χ^2/NDF: 30.6/38



Right In: 5946.080+/-1.604 χ^2/NDF: 641131.4/15

Left Out: 7725.994+/-1.335 χ^2/NDF:1055349.3/21

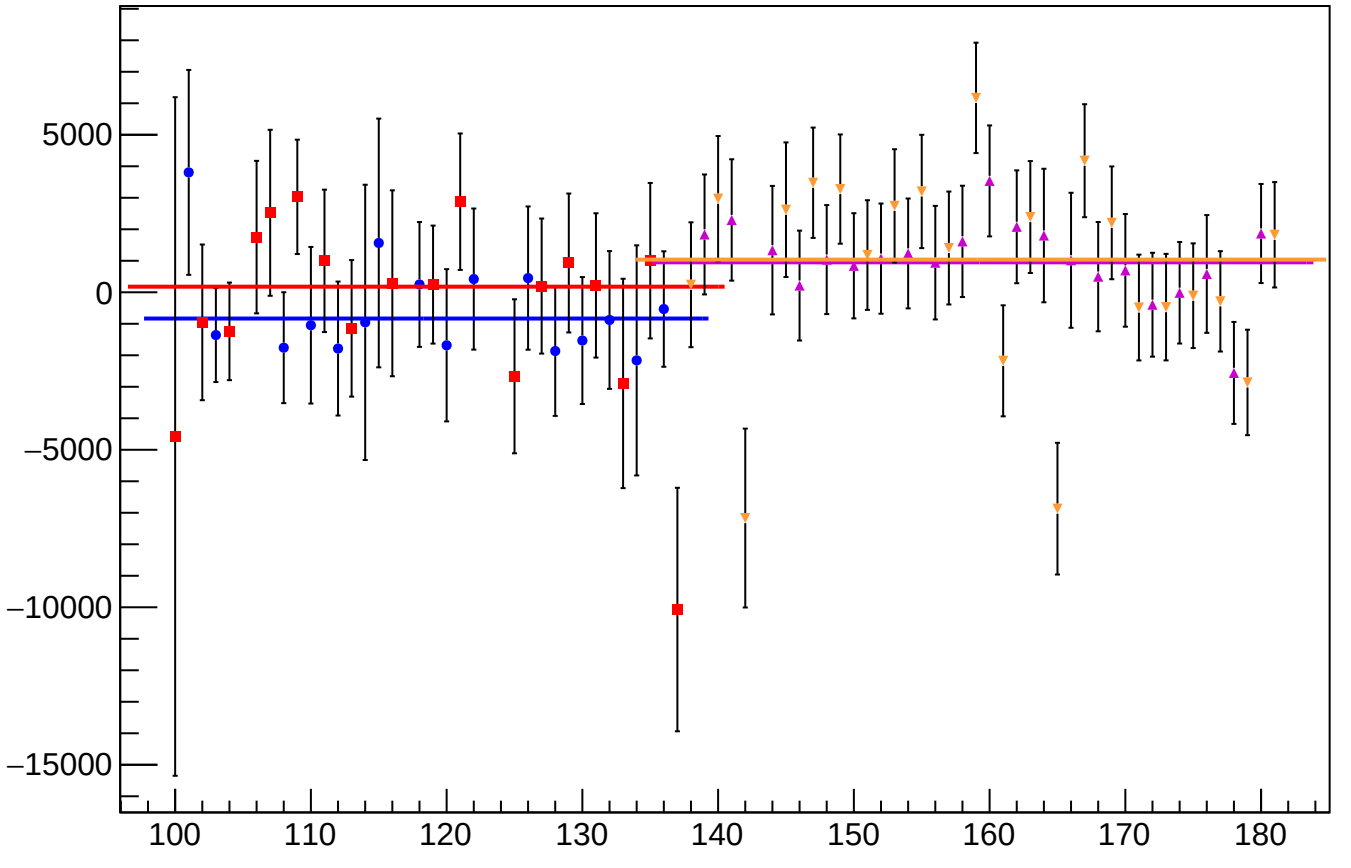
Right Out: 5099.375+/-1.422 χ^2/NDF: 1480367.2/17

Left In: 7714.561+/-1.341 χ^2/NDF:1158556.9/20

+ sign 6997.446+/-1.026 χ^2/NDF: 2424069.9/37

All: 6727.899+/-0.707 χ^2/NDF: 6984429.7/76

- sign 6484.186+/-0.976 χ^2/NDF: 4428944.6/38



Right In: -833.542+/-554.833 χ^2/NDF: 4.6/15

Left Out: 1036.694+/-384.633 χ^2/NDF:54.7/21

Right Out: 178.133+/-547.824 χ^2/NDF: 16.5/17

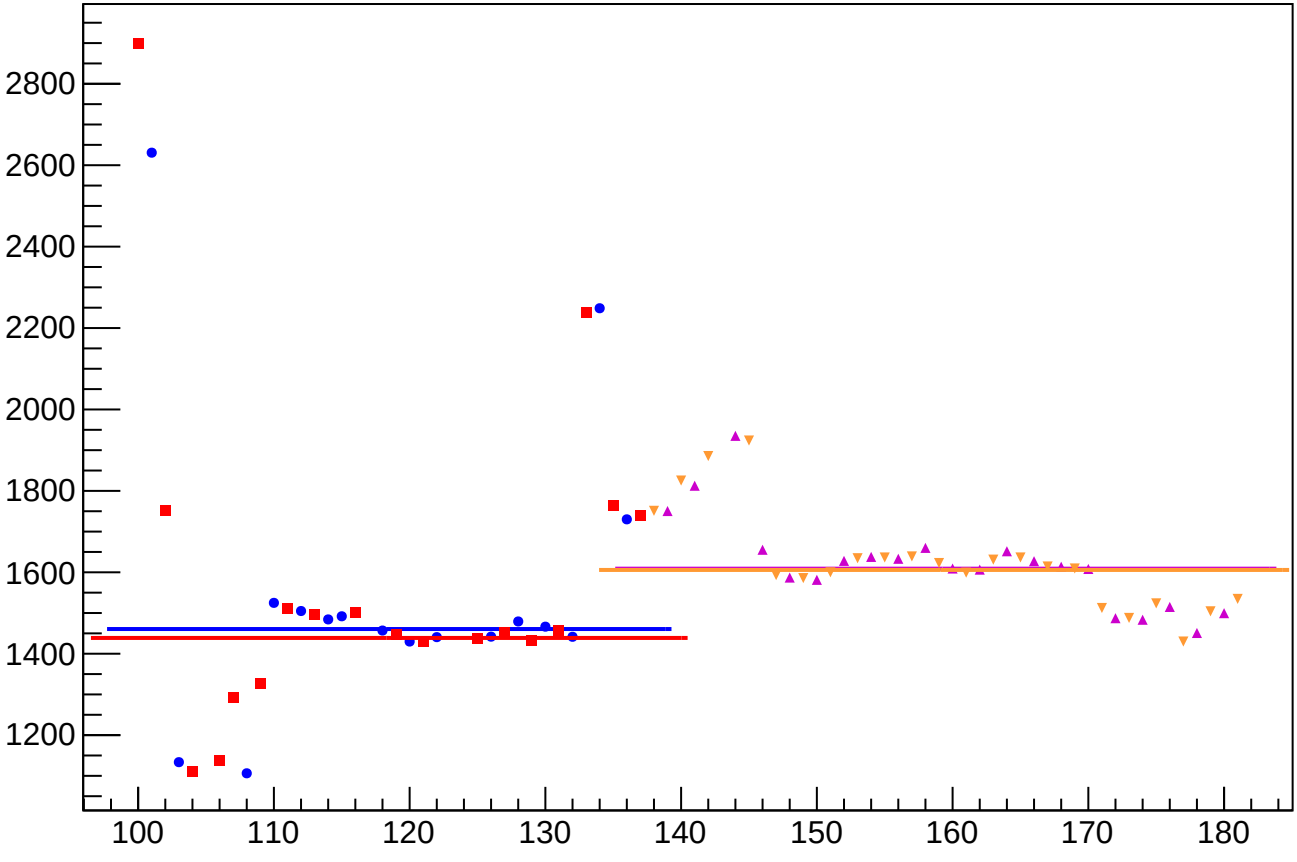
Left In: 951.117+/-388.225 χ^2/NDF:10.0/20

+ sign 429.634+/-316.104 χ^2/NDF: 67.0/37

All: 560.897+/-223.748 χ^2/NDF: 95.1/76

- sign 692.697+/-316.751 χ^2/NDF: 27.8/38

cor_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.3/15

Left Out: 1605.796+/-0.272 χ^2/NDF:158245.0/21

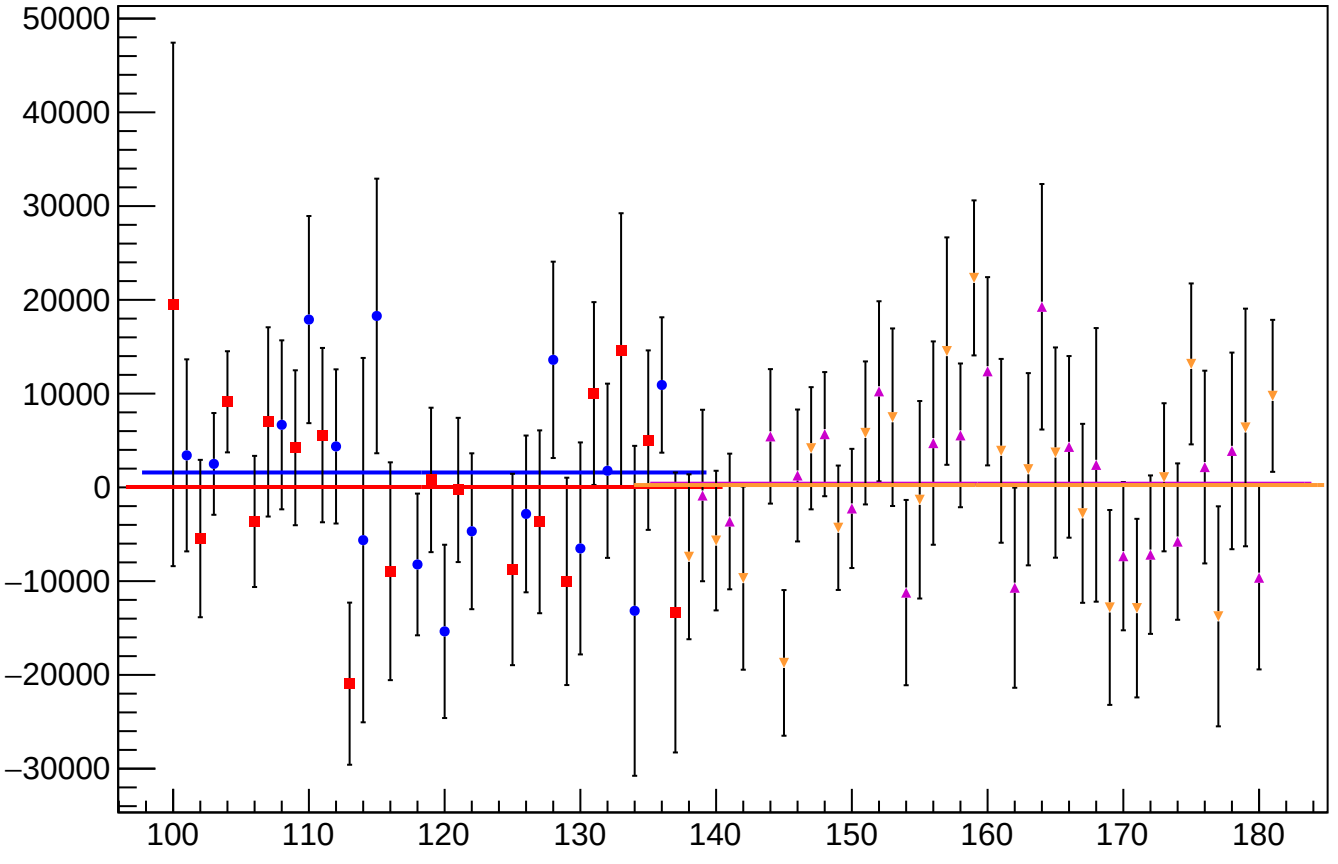
Right Out: 1438.764+/-0.386 χ^2/NDF: 373375.6/17

Left In: 1608.938+/-0.275 χ^2/NDF:147453.8/20

+ sign 1558.684+/-0.224 χ^2/NDF: 826422.0/37

All: 1555.283+/-0.158 χ^2/NDF: 1476577.8/76

- sign 1551.873+/-0.224 χ^2/NDF: 649692.1/38



Right In: 1588.655+/-2264.260 χ^2/NDF: 14.2/15

Left Out: 249.206+/-1887.994 χ^2/NDF:28.0/21

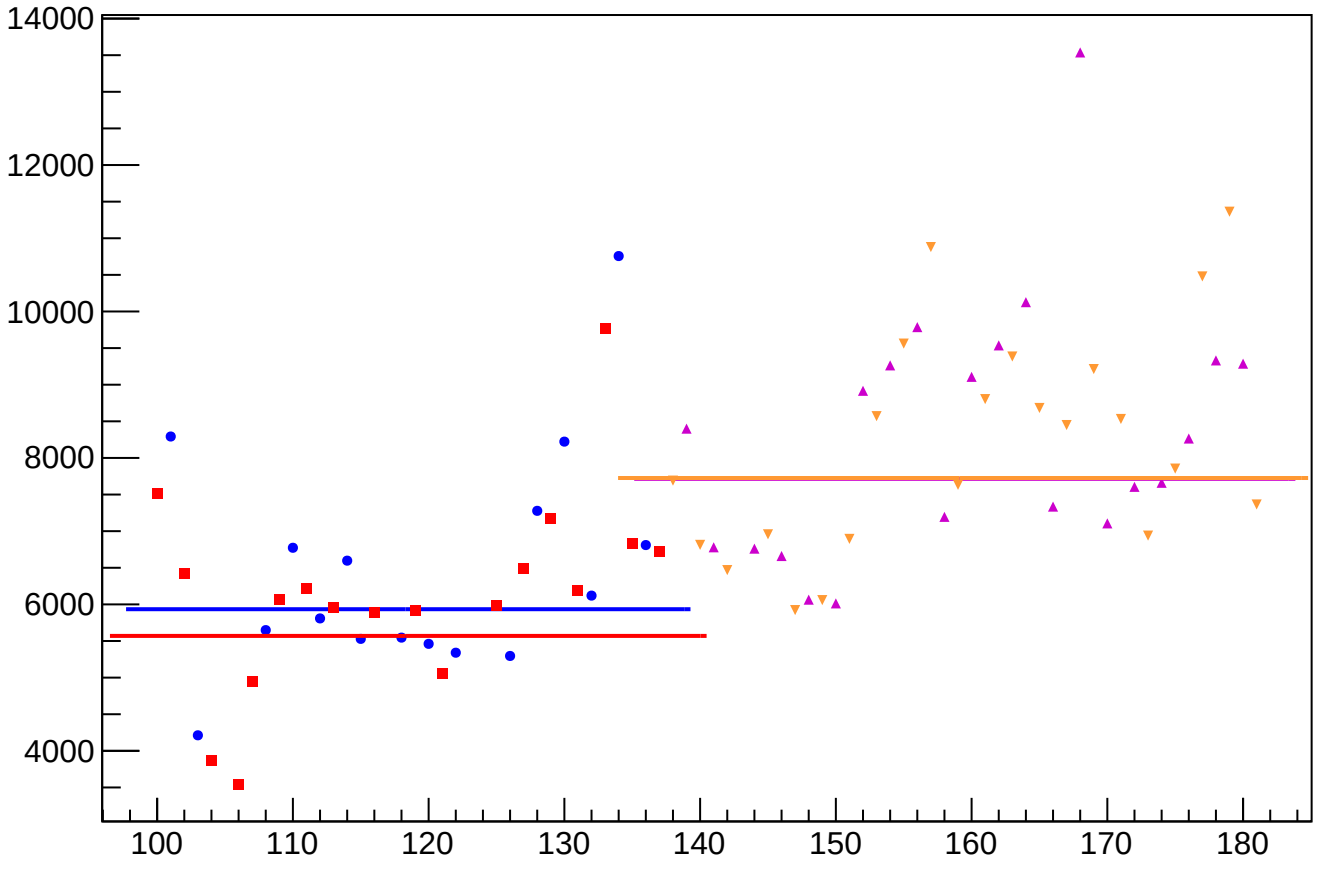
Right Out: 40.643+/-2133.039 χ^2/NDF: 16.5/17

Left In: 391.786+/-1896.076 χ^2/NDF:13.0/20

\+ sign 798.541+/-1450.047 χ^2/NDF: 42.5/37

All: 511.220+/-1013.500 χ^2/NDF: 72.0/76

\- sign 236.795+/-1417.131 χ^2/NDF: 29.4/38



Right In: 5934.209+/-1.601 χ^2/NDF: 653082.9/15

Left Out: 7725.994+/-1.335 χ^2/NDF:1055350.1/21

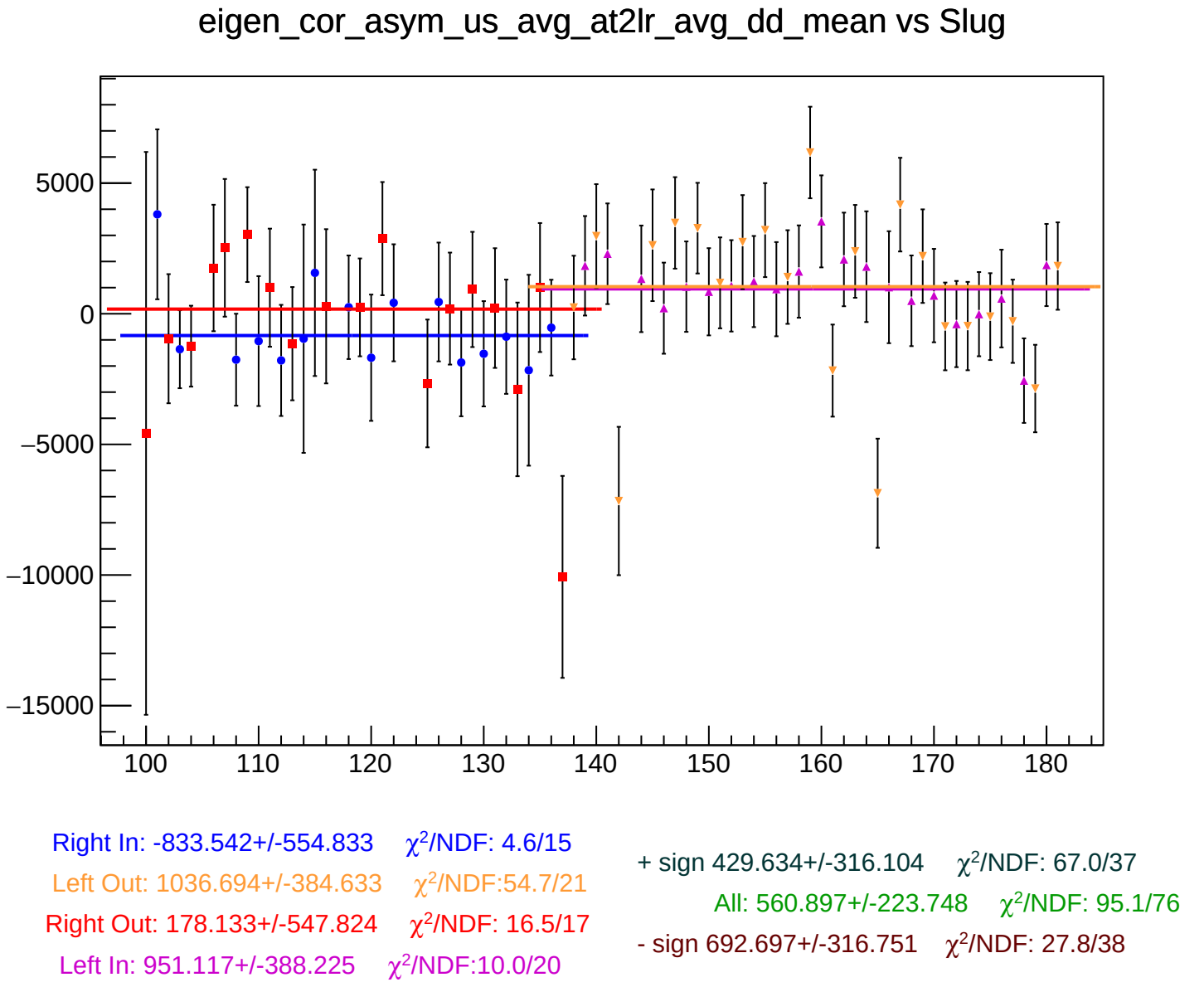
Right Out: 5569.606+/-1.508 χ^2/NDF: 724048.8/17

Left In: 7714.554+/-1.341 χ^2/NDF:1158559.7/20

+ sign 6991.146+/-1.025 χ^2/NDF: 2447208.3/37

All: 6876.907+/-0.717 χ^2/NDF: 5483816.7/76

- sign 6767.795+/-1.002 χ^2/NDF: 3012338.5/38



Right In: -833.542+/-554.833 χ^2/NDF: 4.6/15

Left Out: 1036.694+/-384.633 χ^2/NDF:54.7/21

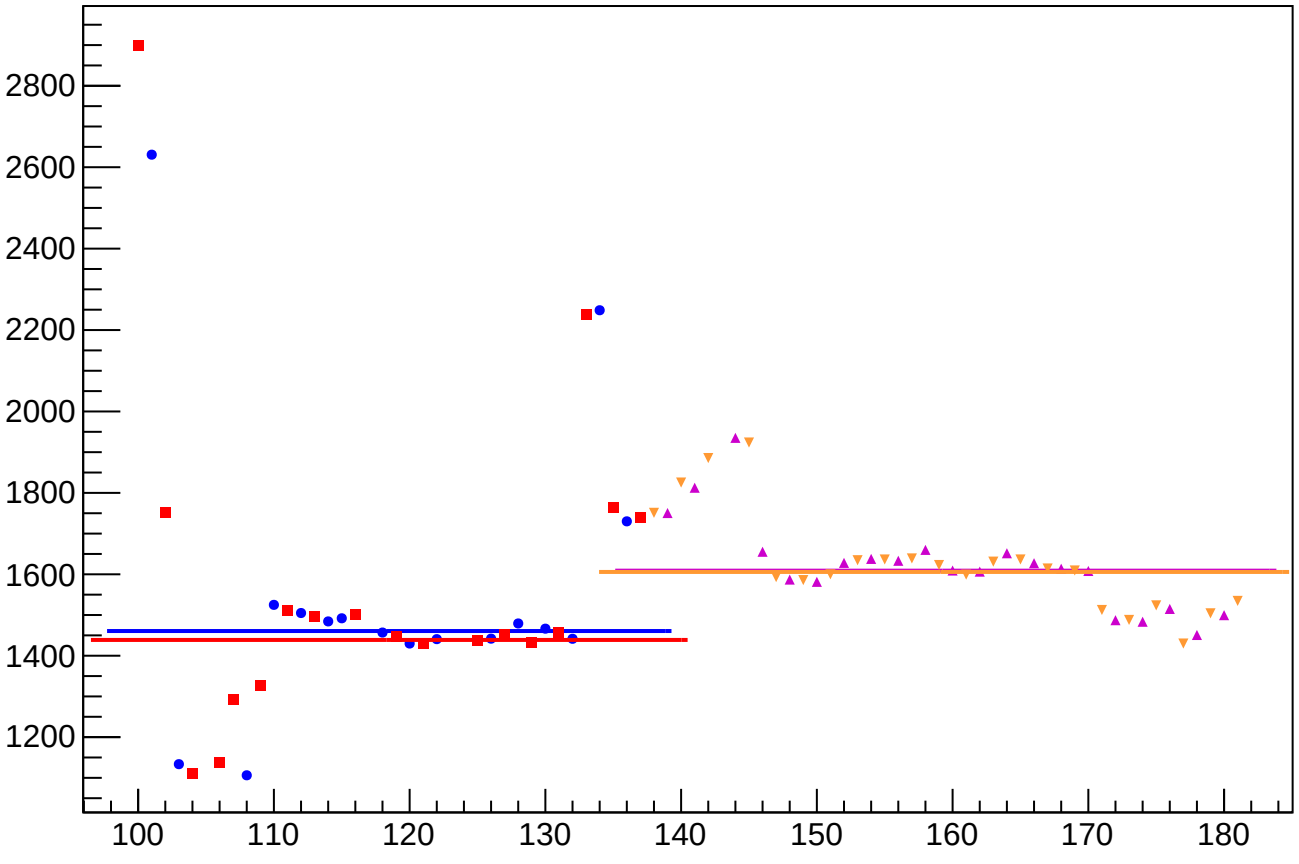
Right Out: 178.133+/-547.824 χ^2/NDF: 16.5/17

Left In: 951.117+/-388.225 χ^2/NDF:10.0/20

+ sign 429.634+/-316.104 χ^2/NDF: 67.0/37

All: 560.897+/-223.748 χ^2/NDF: 95.1/76

- sign 692.697+/-316.751 χ^2/NDF: 27.8/38



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.3/15

Left Out: 1605.796+/-0.272 χ^2/NDF:158245.0/21

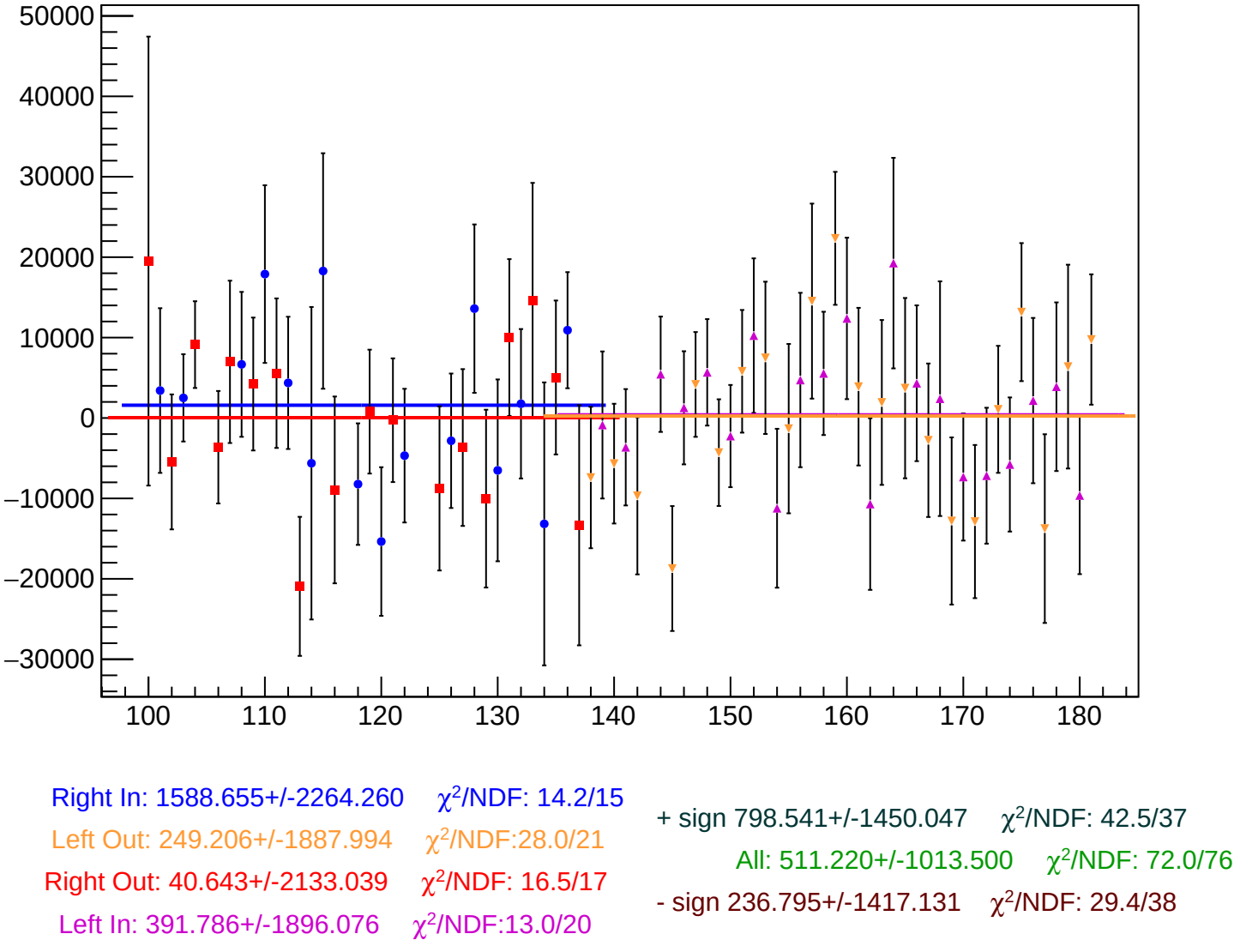
Right Out: 1438.764+/-0.386 χ^2/NDF: 373375.6/17

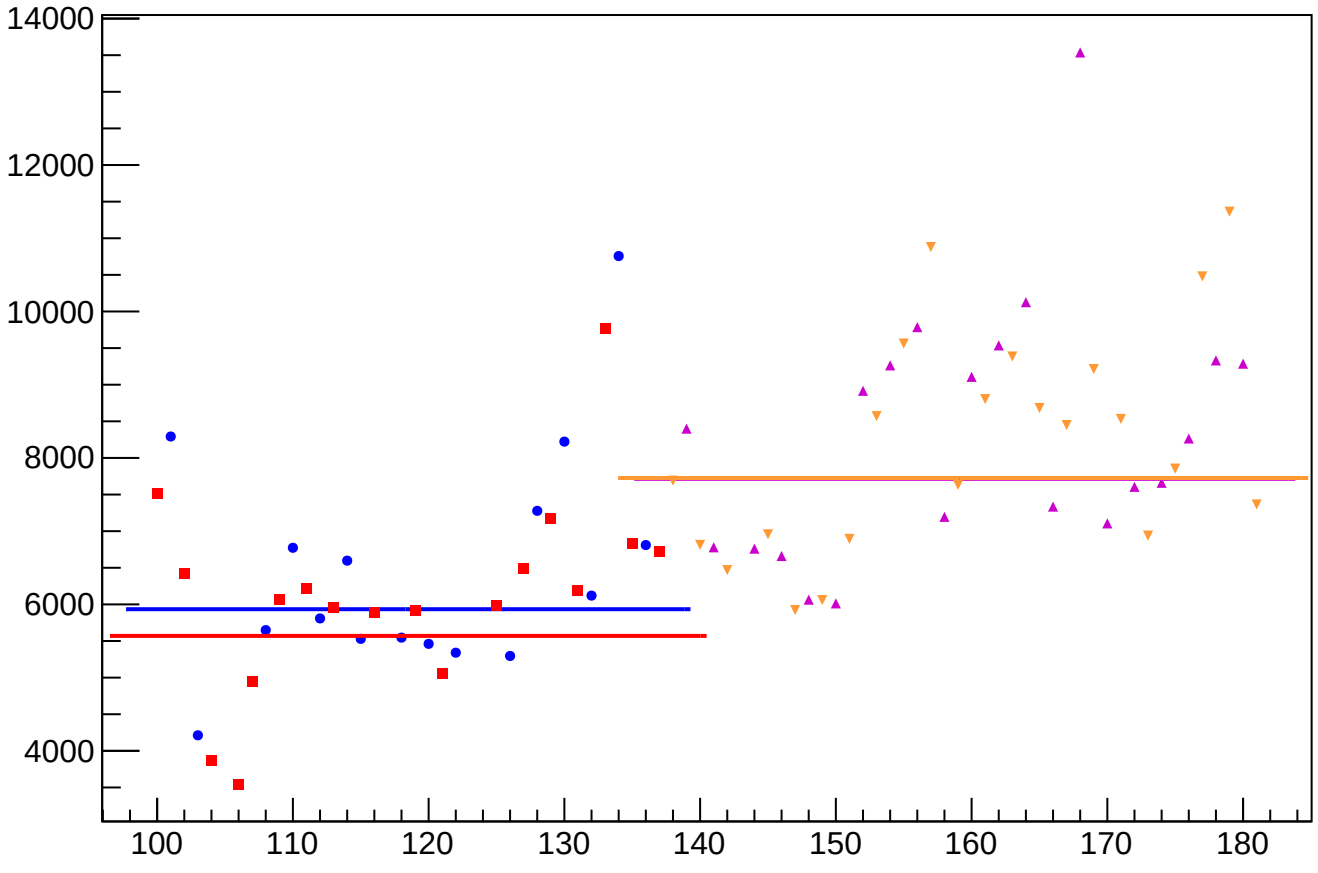
Left In: 1608.938+/-0.275 χ^2/NDF:147453.8/20

+ sign 1558.684+/-0.224 χ^2/NDF: 826422.0/37

All: 1555.283+/-0.158 χ^2/NDF: 1476577.8/76

- sign 1551.873+/-0.224 χ^2/NDF: 649692.1/38


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: 249.206+/-1887.994 χ²/NDF:28.0/21
Right Out: 40.643+/-2133.039 χ²/NDF: 16.5/17
Left In: 391.786+/-1896.076 χ²/NDF:13.0/20
+ sign 798.541+/-1450.047 χ²/NDF: 42.5/37
All: 511.220+/-1013.500 χ²/NDF: 72.0/76
- sign 236.795+/-1417.131 χ²/NDF: 29.4/38



Right In: 5934.209+/-1.601 χ^2/NDF: 653082.9/15

Left Out: 7725.994+/-1.335 χ^2/NDF:1055350.1/21

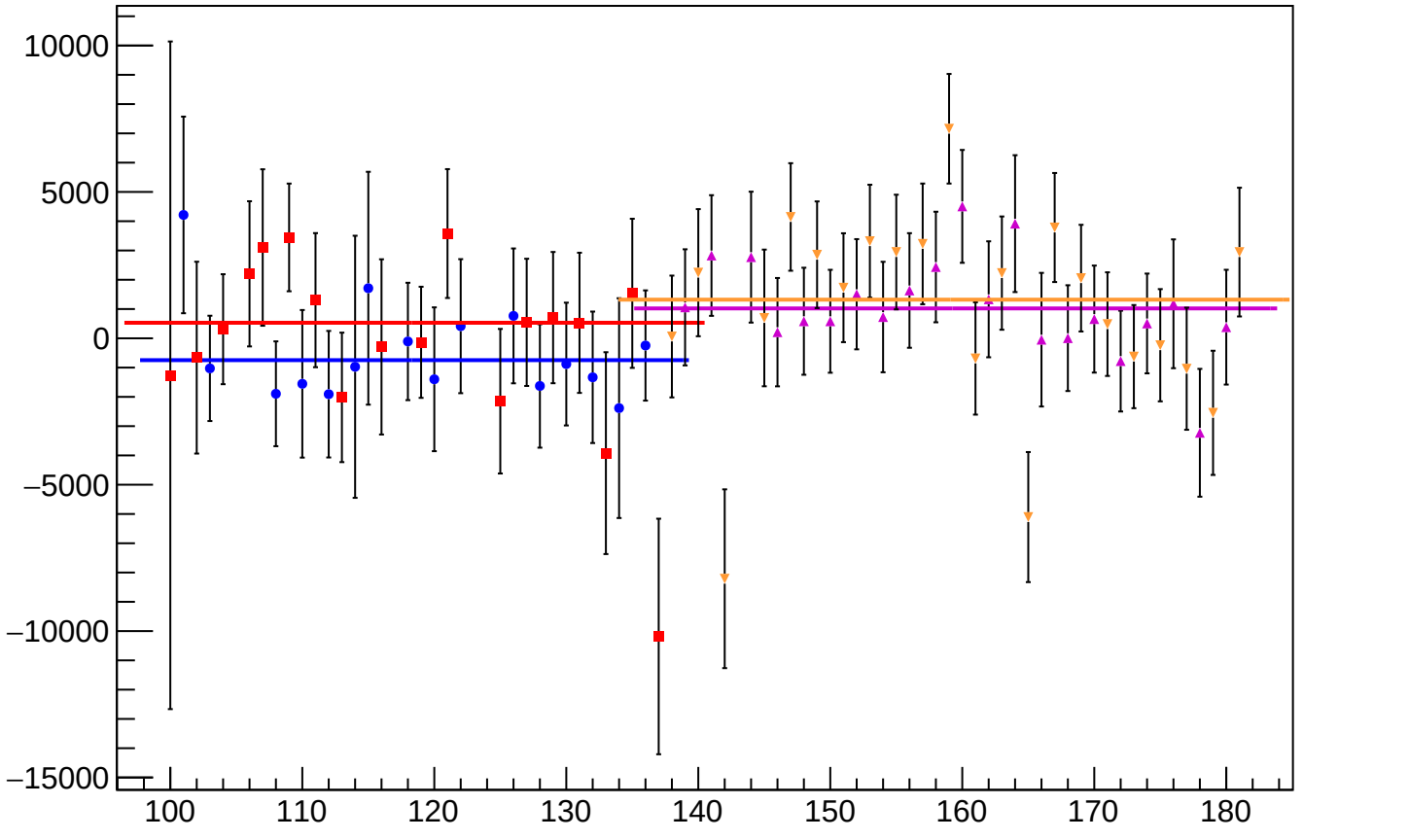
Right Out: 5569.606+/-1.508 χ^2/NDF: 724048.8/17

Left In: 7714.554+/-1.341 χ^2/NDF:1158559.7/20

+ sign 6991.146+/-1.025 χ^2/NDF: 2447208.3/37

All: 6876.907+/-0.717 χ^2/NDF: 5483816.7/76

- sign 6767.795+/-1.002 χ^2/NDF: 3012338.5/38



Right In: -745.914+/-578.071 χ^2/NDF: 4.8/15

Left Out: 1320.514+/-423.477 χ^2/NDF:47.5/21

Right Out: 531.292+/-575.115 χ^2/NDF: 17.7/17

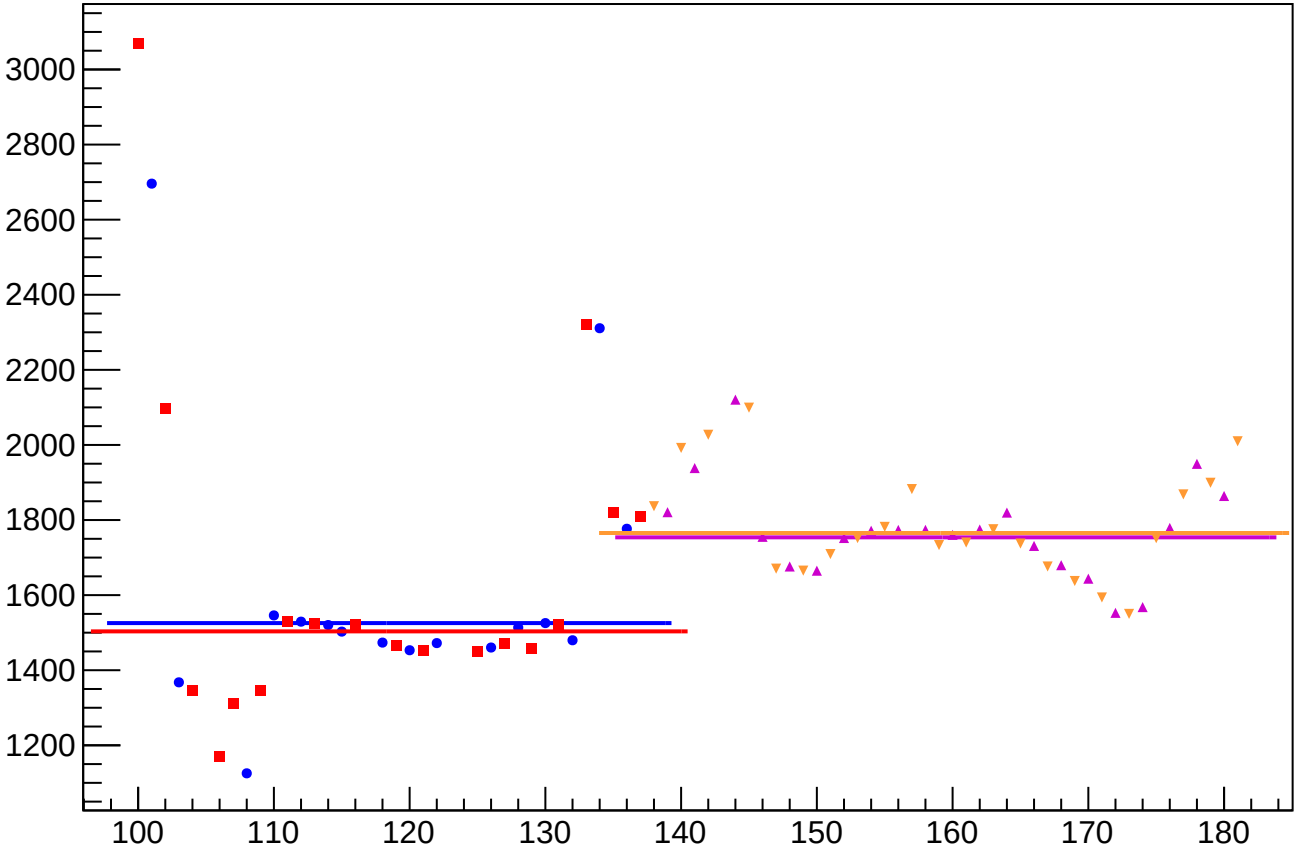
Left In: 1020.964+/-423.603 χ^2/NDF:12.9/20

+ sign 598.840+/-341.619 χ^2/NDF: 60.6/37

All: 723.992+/-241.367 χ^2/NDF: 92.0/76

- sign 848.743+/-341.071 χ^2/NDF: 31.1/38

dit_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1525.536+/-0.409 χ^2/NDF: 488328.2/15

Left Out: 1765.474+/-0.299 χ^2/NDF:201752.4/21

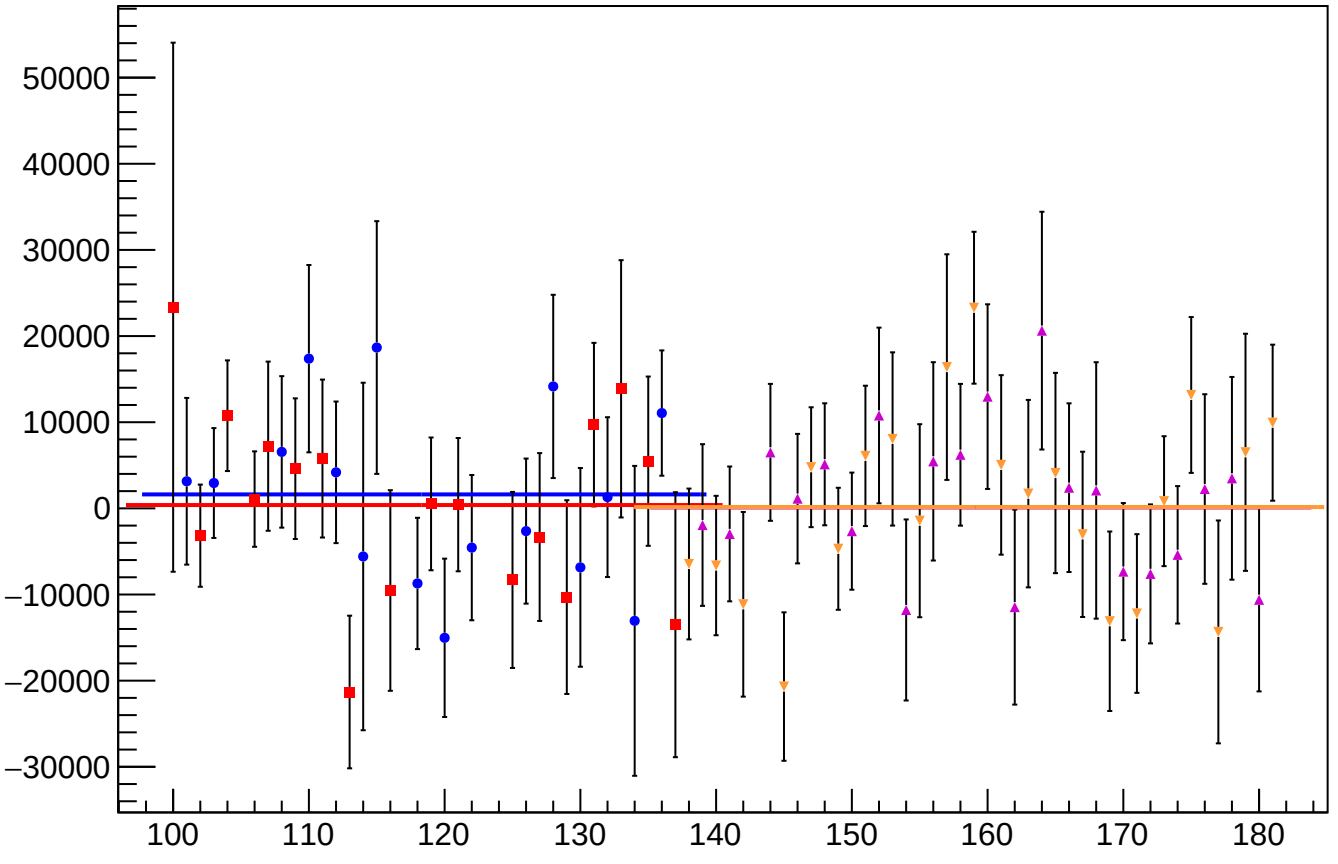
Right Out: 1503.434+/-0.407 χ^2/NDF: 338507.3/17

Left In: 1753.887+/-0.300 χ^2/NDF:167835.5/20

+ sign 1681.679+/-0.242 χ^2/NDF: 914308.2/37

All: 1673.710+/-0.171 χ^2/NDF: 1668808.6/76

- sign 1665.768+/-0.241 χ^2/NDF: 752327.5/38



Right In: 1620.058+/-2320.032 χ^2/NDF: 14.3/15

Left Out: 152.158+/-1988.501 χ^2/NDF:27.3/21

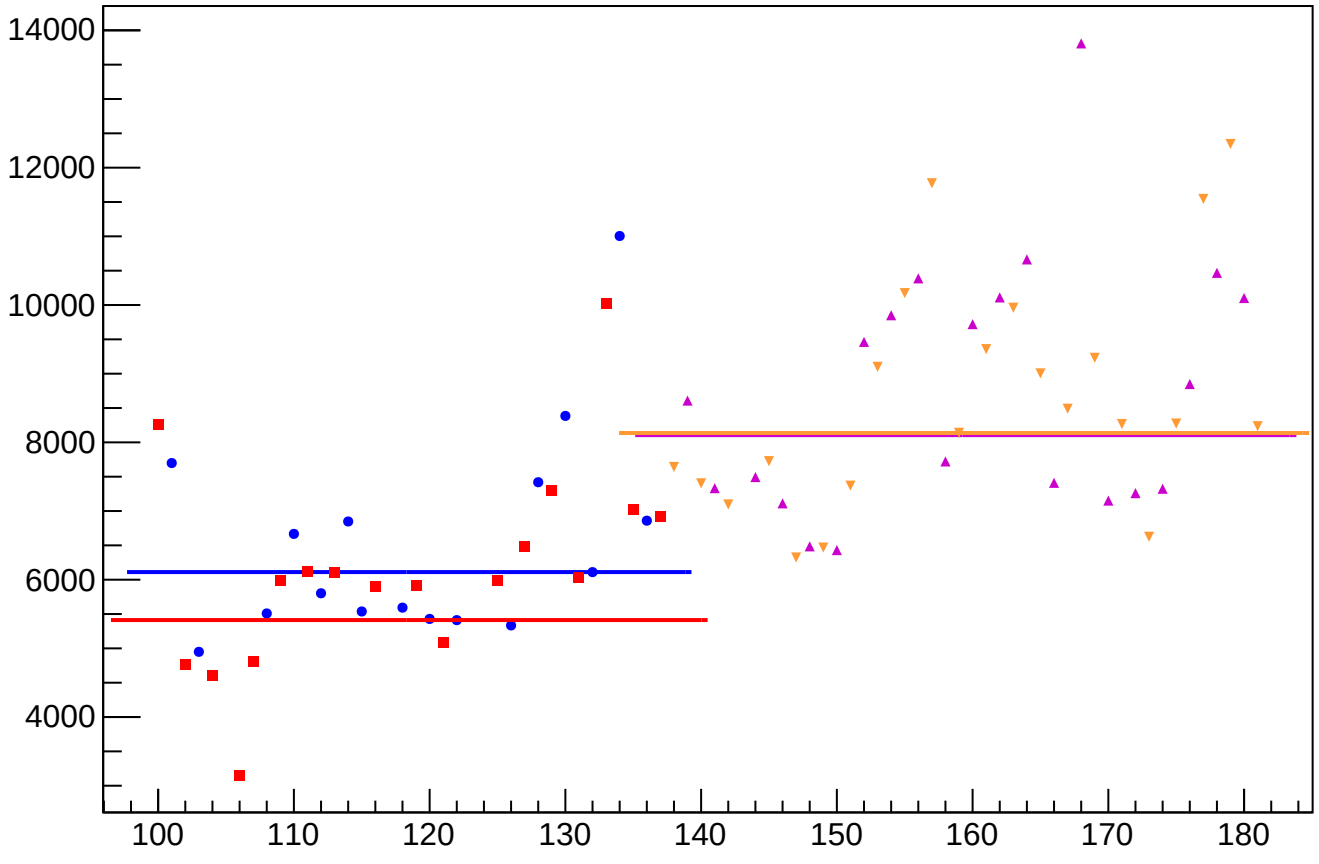
Right Out: 385.942+/-2060.867 χ^2/NDF: 16.0/17

Left In: 103.251+/-1993.210 χ^2/NDF:12.9/20

\+ sign 773.822+/-1509.814 χ^2/NDF: 41.8/37

All: 492.874+/-1039.277 χ^2/NDF: 70.8/76

\- sign 239.880+/-1432.734 χ^2/NDF: 28.9/38



Right In: 6111.037+/-1.641 χ^2/NDF: 471661.4/15

Left Out: 8136.074+/-1.406 χ^2/NDF:1076210.0/21

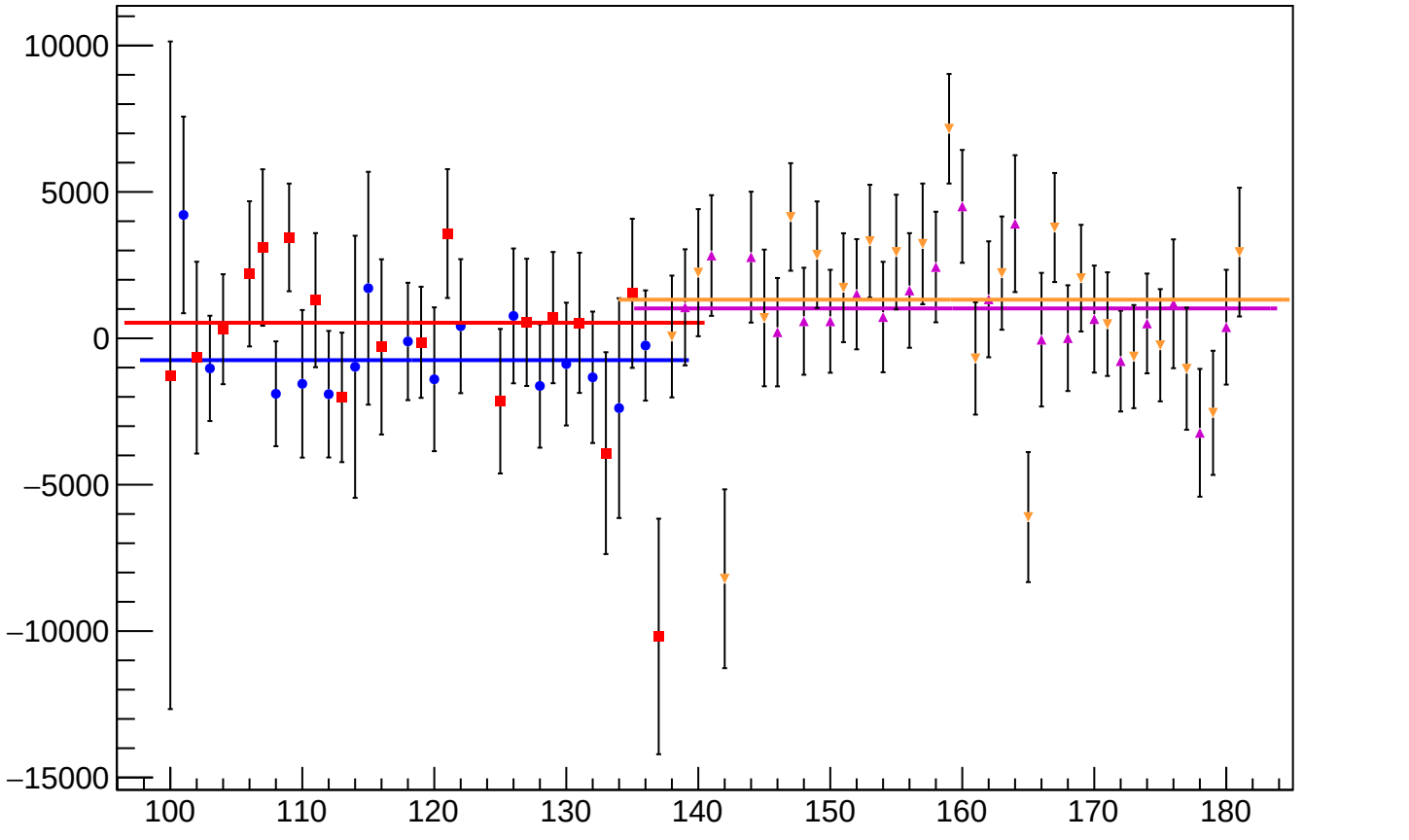
Right Out: 5412.276+/-1.457 χ^2/NDF: 821530.3/17

Left In: 8105.234+/-1.409 χ^2/NDF:1182395.7/20

+ sign 7278.460+/-1.068 χ^2/NDF: 2426293.8/37

All: 7028.644+/-0.735 χ^2/NDF: 6298750.6/76

- sign 6803.684+/-1.013 χ^2/NDF: 3768394.9/38



Right In: -745.918+/-578.071 χ^2/NDF: 4.8/15

Left Out: 1320.521+/-423.478 χ^2/NDF:47.5/21

Right Out: 531.302+/-575.115 χ^2/NDF: 17.7/17

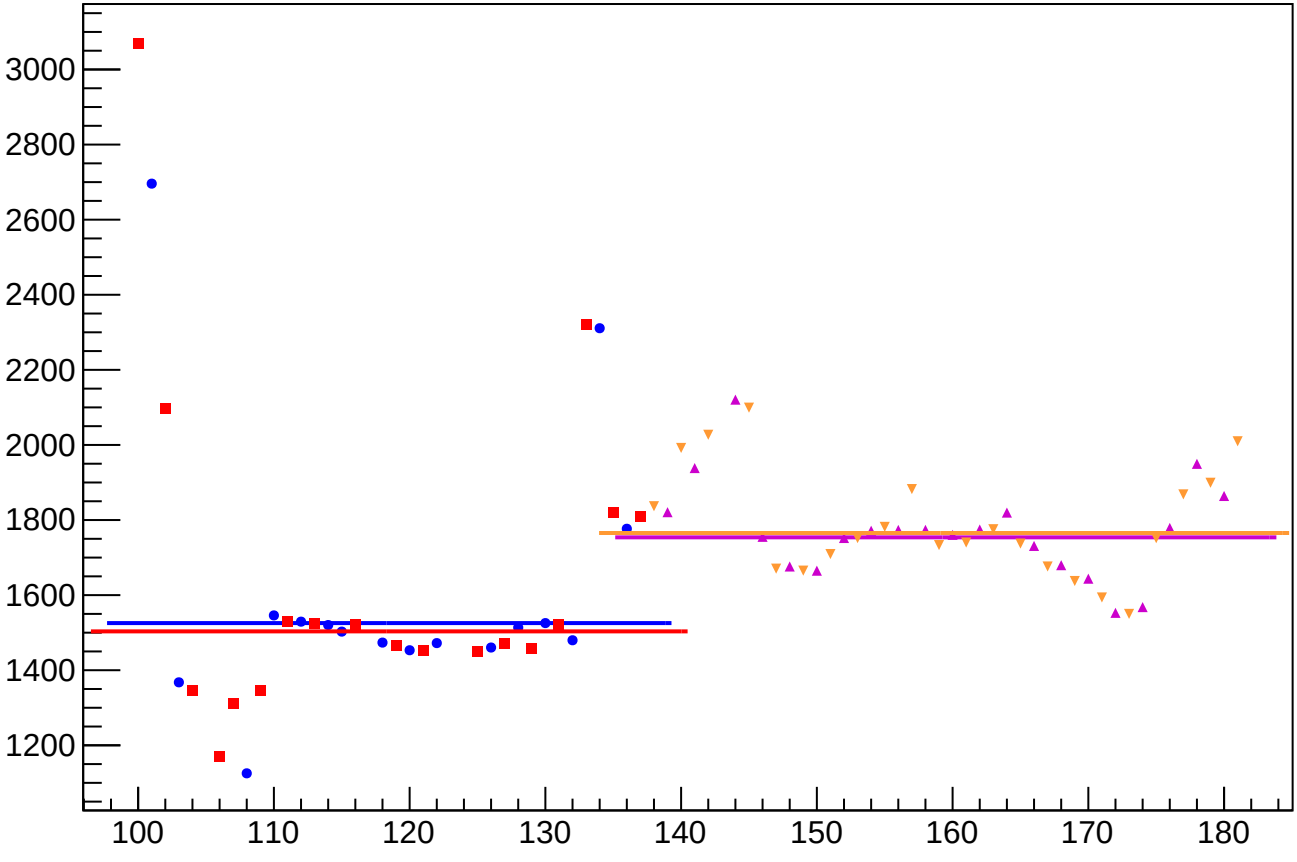
Left In: 1020.964+/-423.604 χ^2/NDF:12.9/20

+ sign 598.841+/-341.619 χ^2/NDF: 60.6/37

All: 723.994+/-241.367 χ^2/NDF: 92.0/76

- sign 848.746+/-341.071 χ^2/NDF: 31.1/38

eigen_dit_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1525.536+/-0.409 χ^2/NDF: 488327.8/15

Left Out: 1765.477+/-0.299 χ^2/NDF:201760.9/21

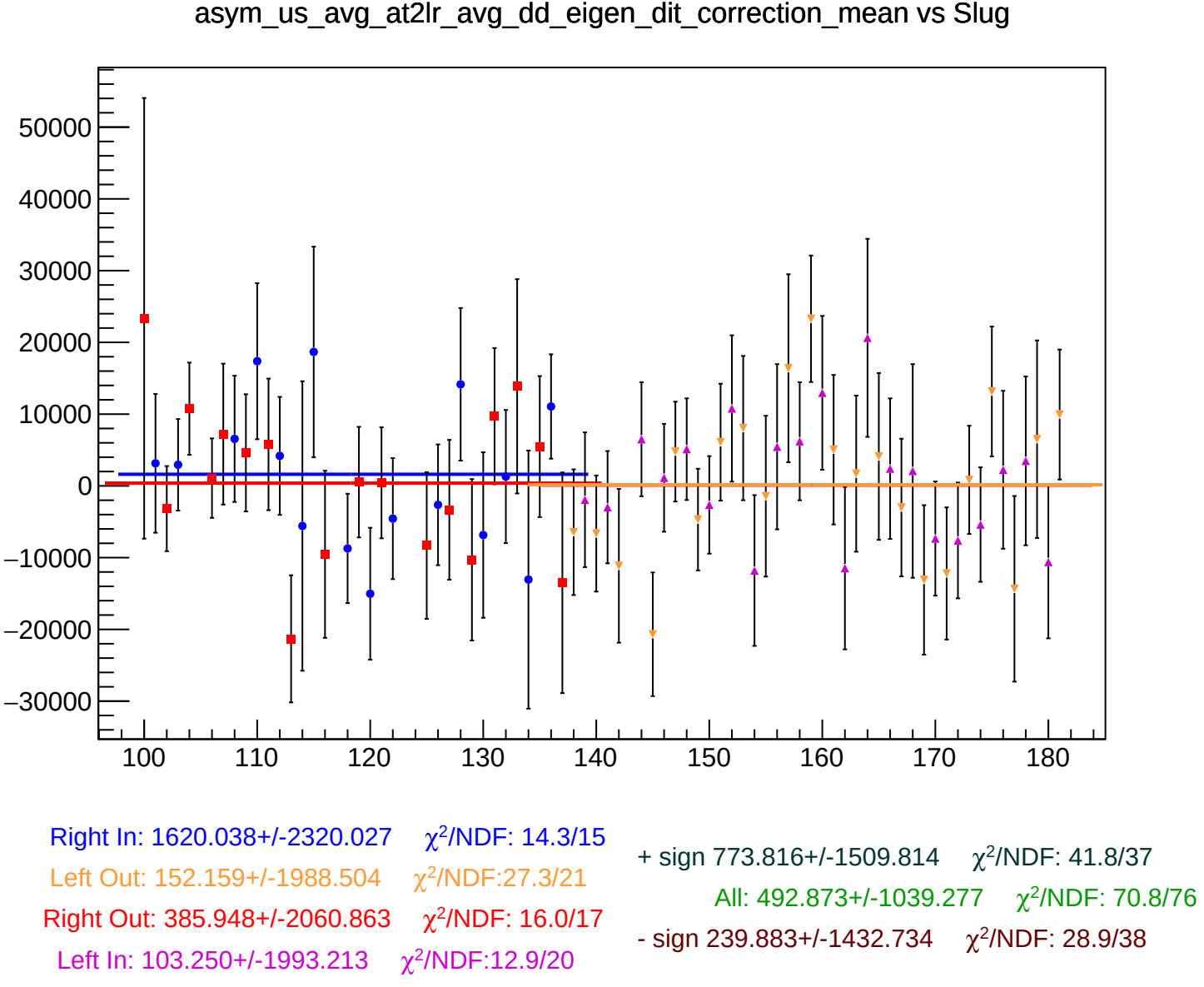
Right Out: 1503.435+/-0.407 χ^2/NDF: 338507.7/17

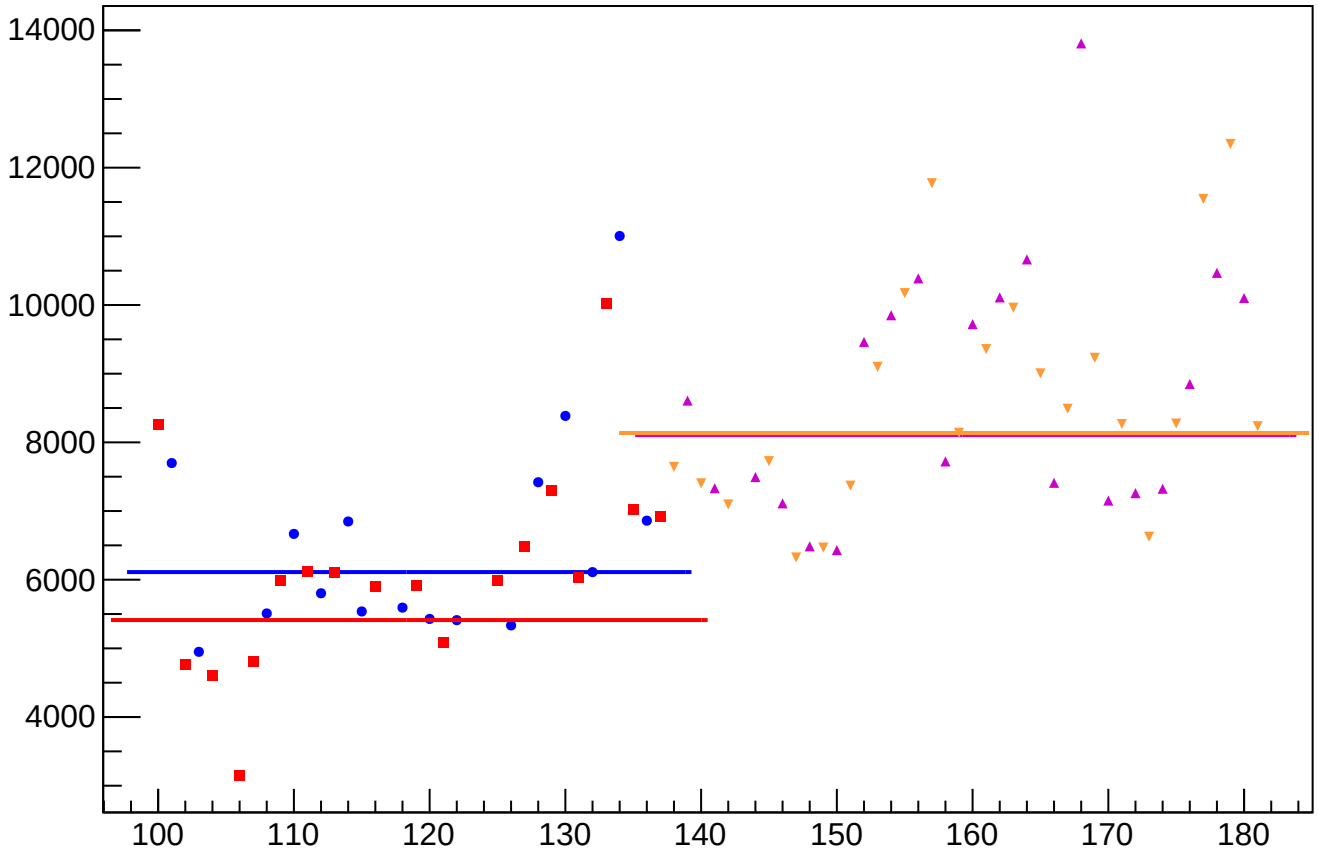
Left In: 1753.890+/-0.300 χ^2/NDF:167843.5/20

+ sign 1681.680+/-0.242 χ^2/NDF: 914321.2/37

All: 1673.711+/-0.171 χ^2/NDF: 1668834.8/76

- sign 1665.770+/-0.241 χ^2/NDF: 752340.8/38


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: 152.159+/-1988.504 χ²/NDF:27.3/21
Right Out: 385.948+/-2060.863 χ²/NDF: 16.0/17
Left In: 103.250+/-1993.213 χ²/NDF:12.9/20
+ sign 773.816+/-1509.814 χ²/NDF: 41.8/37
All: 492.873+/-1039.277 χ²/NDF: 70.8/76
- sign 239.883+/-1432.734 χ²/NDF: 28.9/38



Right In: 6111.023+/-1.641 χ^2/NDF: 471663.6/15

Left Out: 8136.086+/-1.406 χ^2/NDF:1076212.6/21

Right Out: 5412.265+/-1.457 χ^2/NDF: 821530.5/17

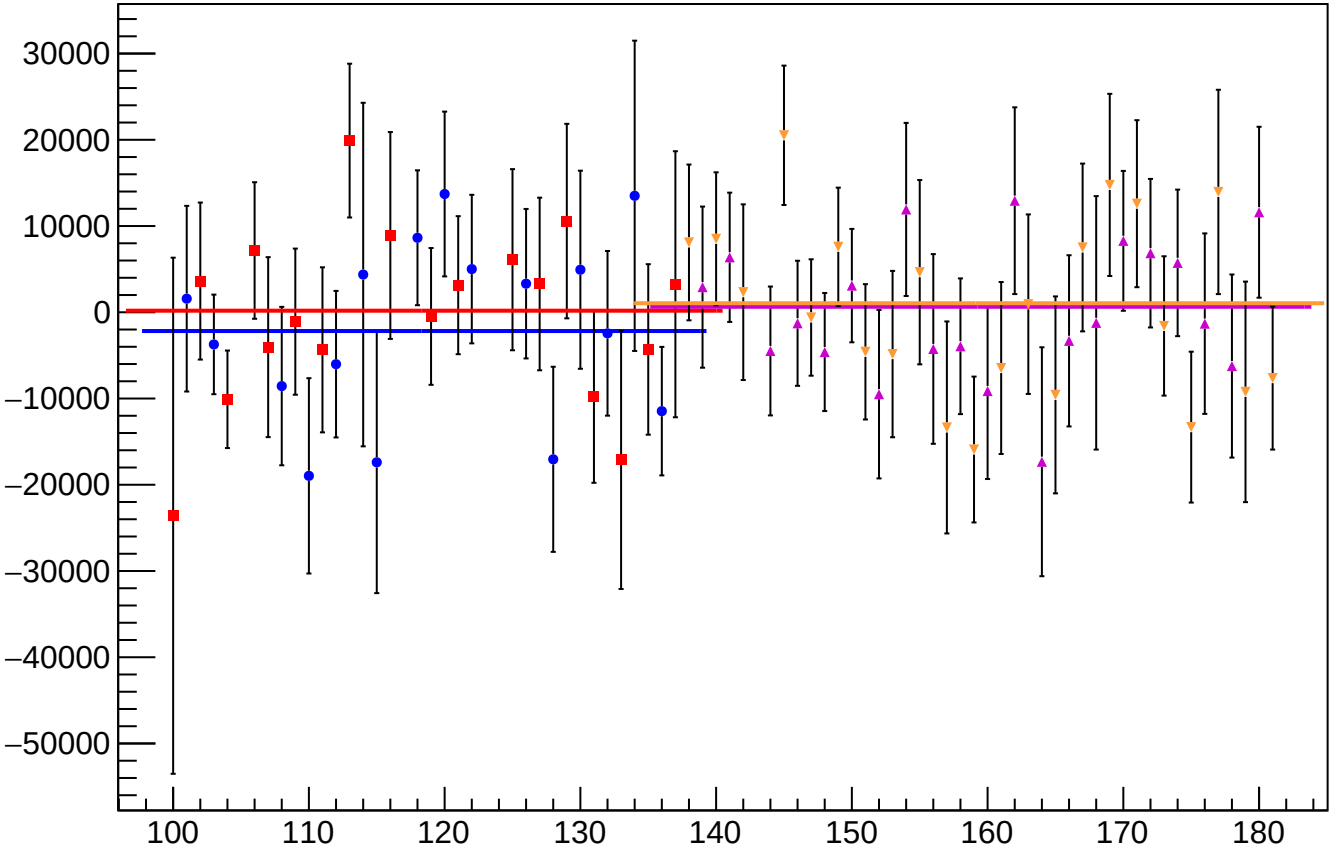
Left In: 8105.246+/-1.409 χ^2/NDF:1182399.8/20

+ sign 7278.458+/-1.068 χ^2/NDF: 2426322.1/37

All: 7028.641+/-0.735 χ^2/NDF: 6298815.7/76

- sign 6803.680+/-1.013 χ^2/NDF: 3768430.9/38

asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -2174.048+/-2347.664 χ^2/NDF: 14.6/15

Left Out: 1049.994+/-1935.494 χ^2/NDF:25.5/21

Right Out: 183.559+/-2228.883 χ^2/NDF: 14.7/17

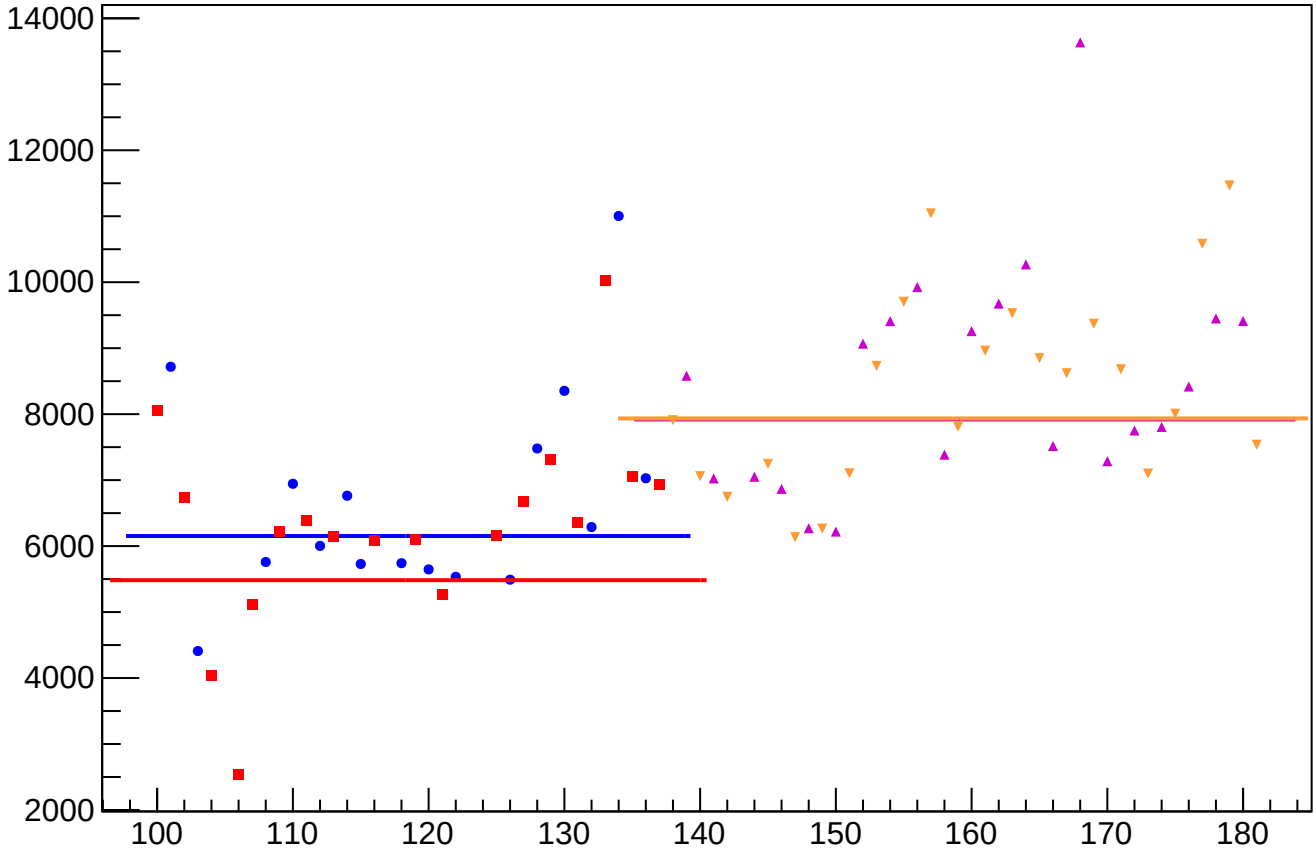
Left In: 637.861+/-1943.162 χ^2/NDF:12.5/20

+ sign -254.623+/-1493.403 χ^2/NDF: 41.2/37

All: 100.285+/-1045.697 χ^2/NDF: 68.4/76

- sign 441.677+/-1464.692 χ^2/NDF: 27.1/38

asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 6152.690+/-1.660 χ^2/NDF: 624026.7/15

Left Out: 7935.287+/-1.369 χ^2/NDF:965923.4/21

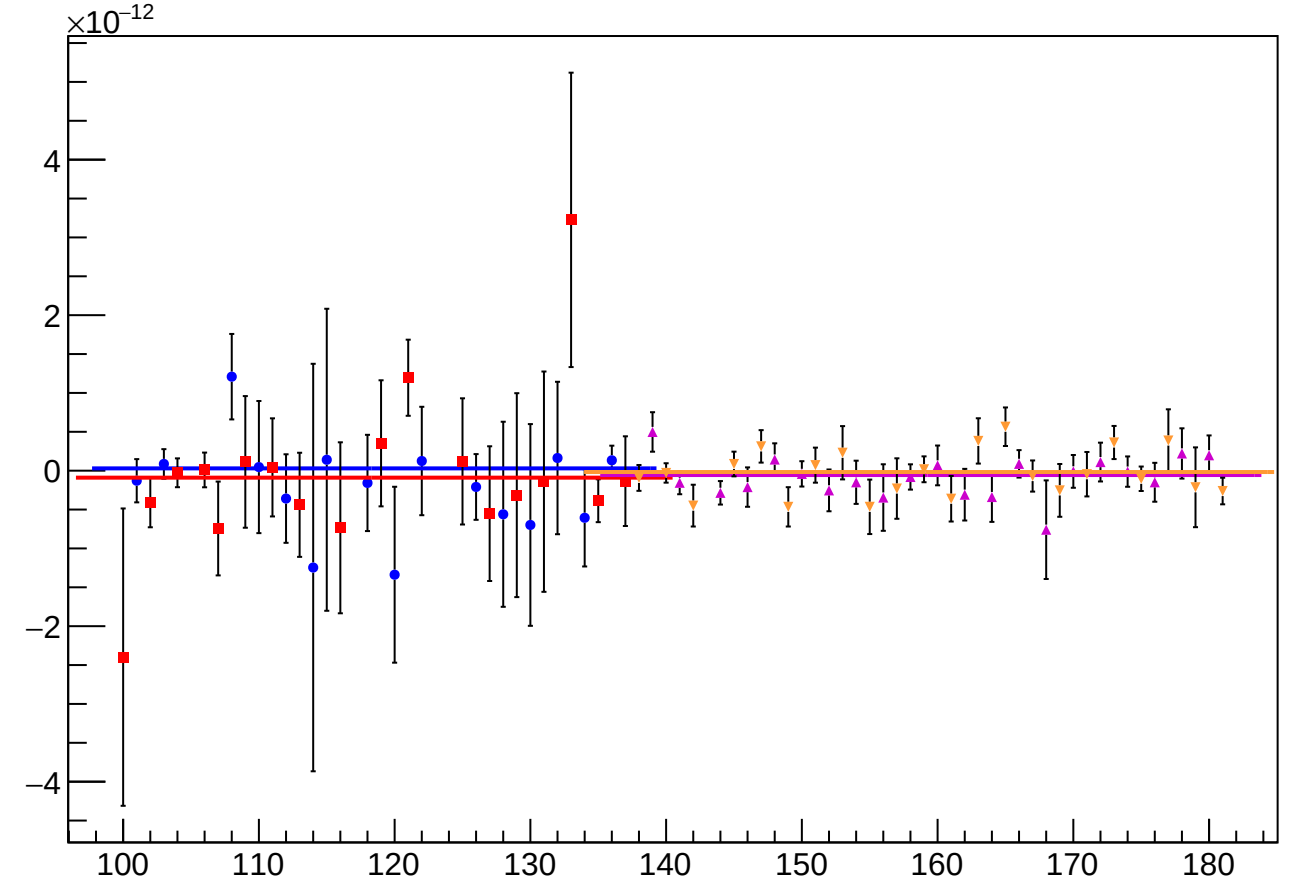
Right Out: 5483.337+/-1.519 χ^2/NDF: 1148712.9/17

Left In: 7919.387+/-1.374 χ^2/NDF:1065269.8/20

+ sign 7213.949+/-1.056 χ^2/NDF: 2276446.5/37

All: 7011.789+/-0.733 χ^2/NDF: 5975263.7/76

- sign 6823.497+/-1.019 χ^2/NDF: 3628032.2/38



Right In: 0.000+/-0.000 χ^2/NDF: 9.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:27.5/21

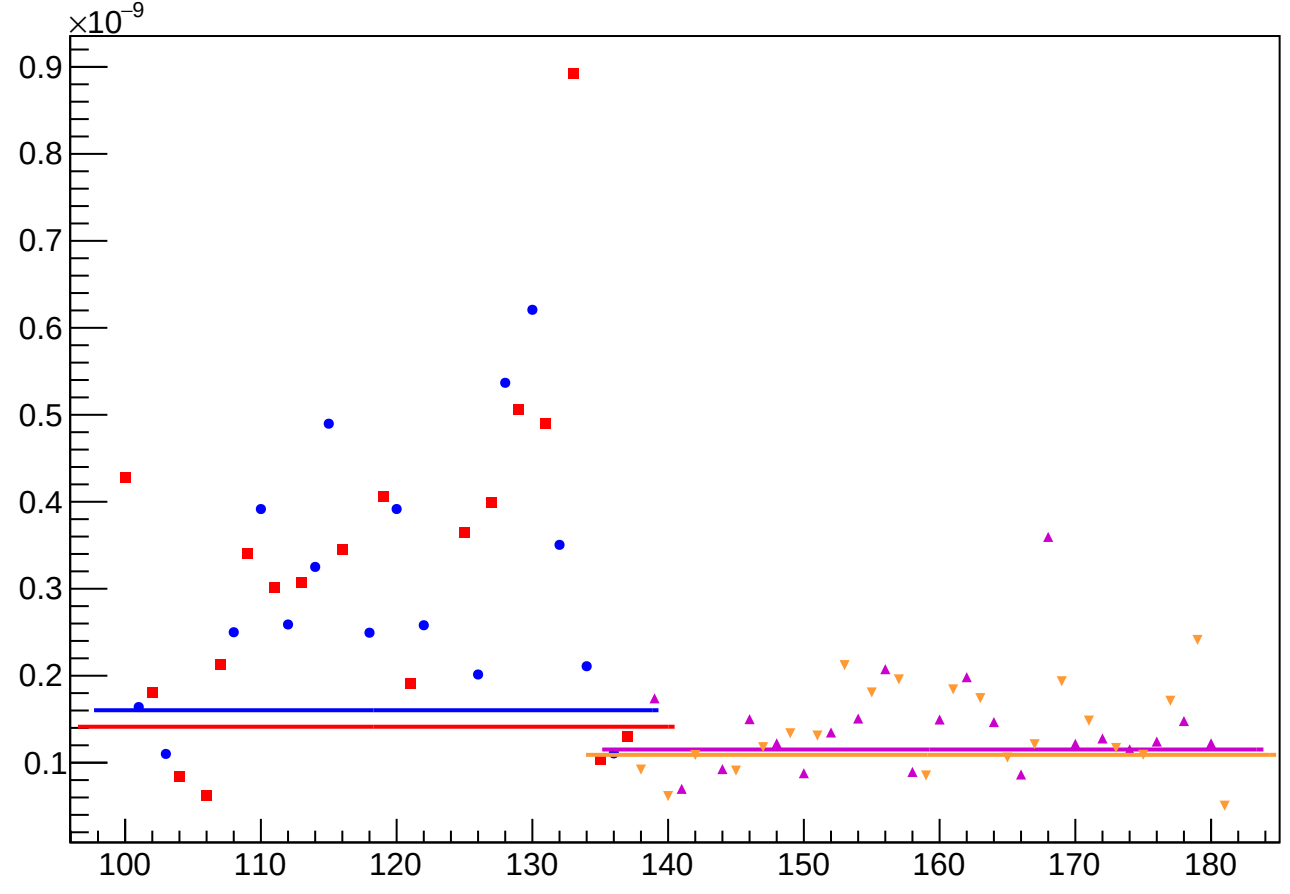
Right Out: -0.000+/-0.000 χ^2/NDF: 16.5/17

Left In: -0.000+/-0.000 χ^2/NDF:15.8/20

+ sign -0.000+/-0.000 χ^2/NDF: 37.2/37

All: -0.000+/-0.000 χ^2/NDF: 70.4/76

- sign -0.000+/-0.000 χ^2/NDF: 32.4/38



Right In: 0.000+/-0.000 χ^2/NDF: 1329606.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1601856.4/21

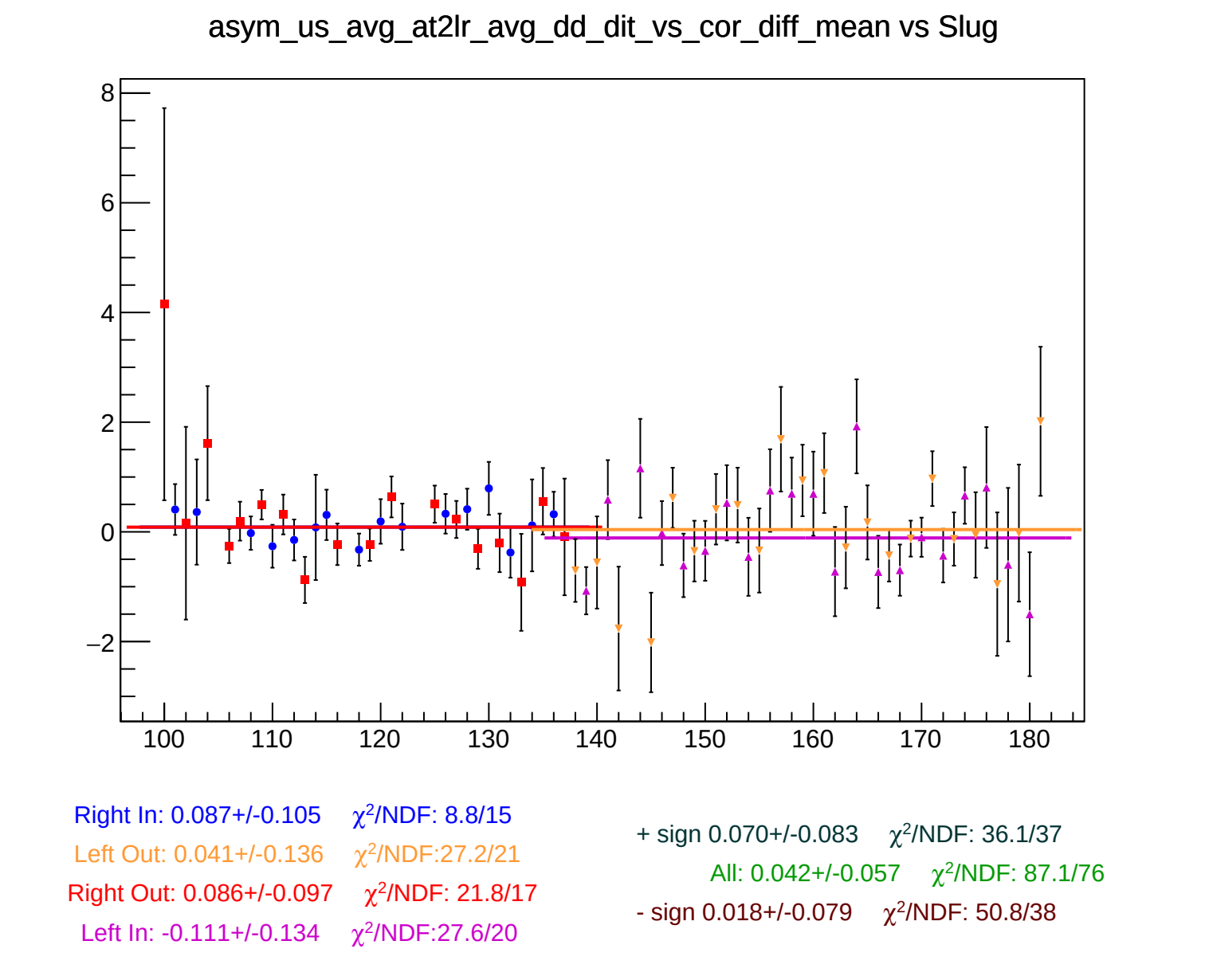
Right Out: 0.000+/-0.000 χ^2/NDF: 2165946.2/17

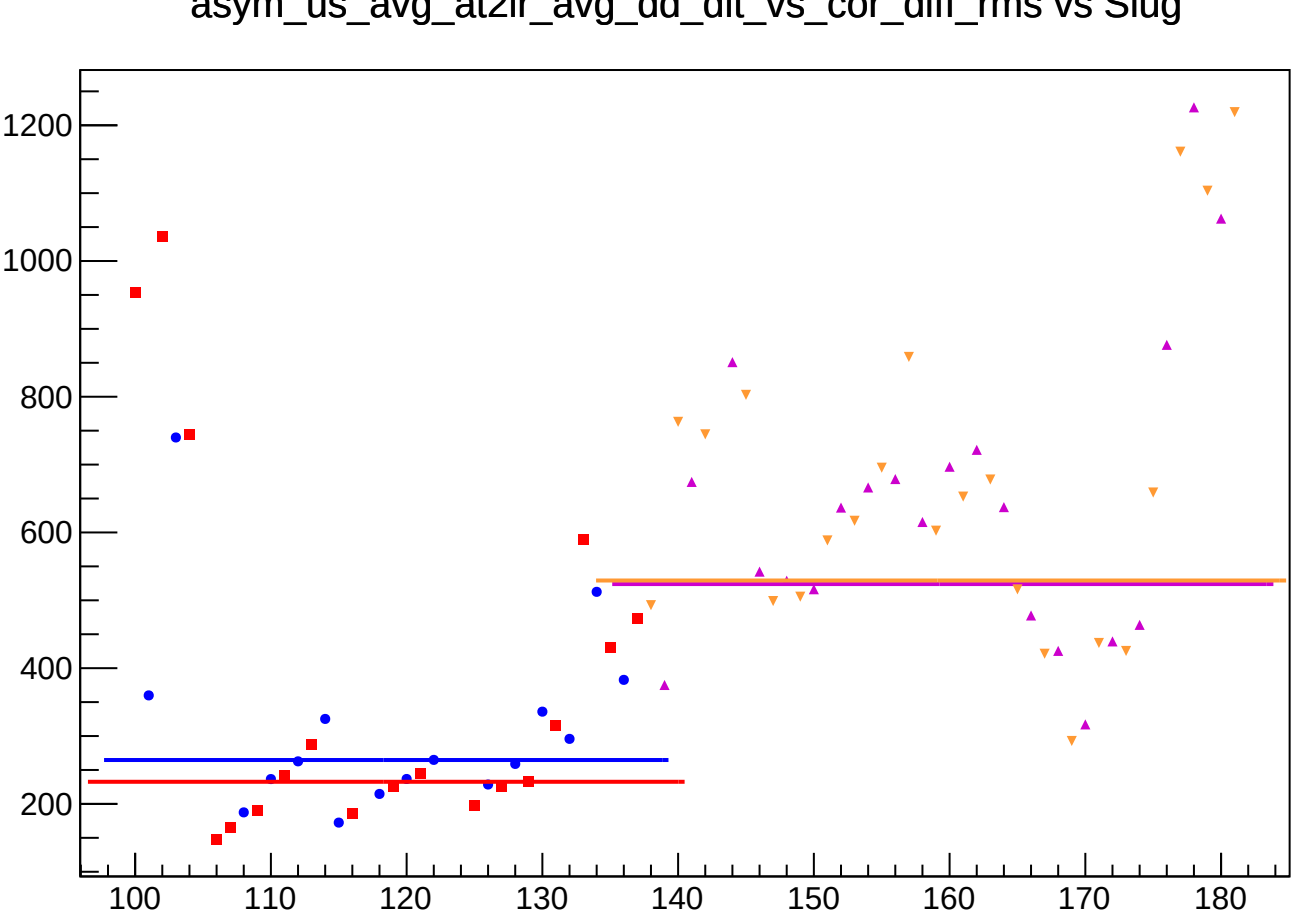
Left In: 0.000+/-0.000 χ^2/NDF:1186037.5/20

+ sign 0.000+/-0.000 χ^2/NDF: 3338789.1/37

All: 0.000+/-0.000 χ^2/NDF: 6800427.2/76

- sign 0.000+/-0.000 χ^2/NDF: 3458687.5/38


asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_mean vs Slug
8
6
4
2
0
−2
100
110
120
130
140
150
160
170
180
Right In: 0.087+/-0.105 χ²/NDF: 8.8/15
Left Out: 0.041+/-0.136 χ²/NDF:27.2/21
Right Out: 0.086+/-0.097 χ²/NDF: 21.8/17
Left In: -0.111+/-0.134 χ²/NDF:27.6/20
+ sign 0.070+/-0.083 χ²/NDF: 36.1/37
All: 0.042+/-0.057 χ²/NDF: 87.1/76
- sign 0.018+/-0.079 χ²/NDF: 50.8/38



Right In: 264.667+/-0.074 χ^2/NDF: 1284007.6/15

Left Out: 529.201+/-0.096 χ^2/NDF:3739462.5/21

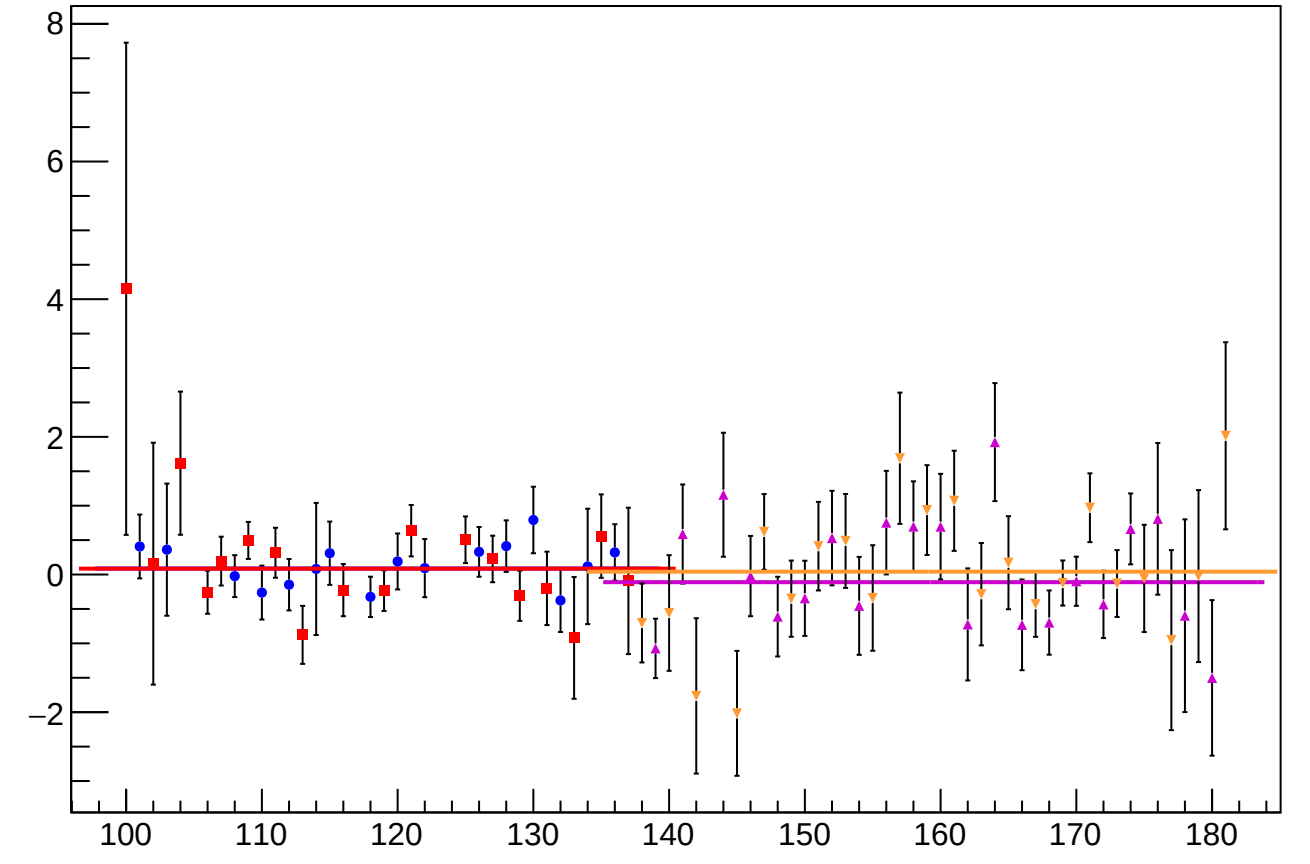
Right Out: 232.596+/-0.069 χ^2/NDF: 2032662.7/17

Left In: 523.950+/-0.095 χ^2/NDF:3122590.7/20

+ sign 363.545+/-0.059 χ^2/NDF: 9761396.2/37

All: 347.377+/-0.040 χ^2/NDF: 21225886.8/76

- sign 332.846+/-0.056 χ^2/NDF: 11320919.8/38



Right In: 0.087+/-0.105 χ^2/NDF: 8.8/15

Left Out: 0.041+/-0.136 χ^2/NDF:27.2/21

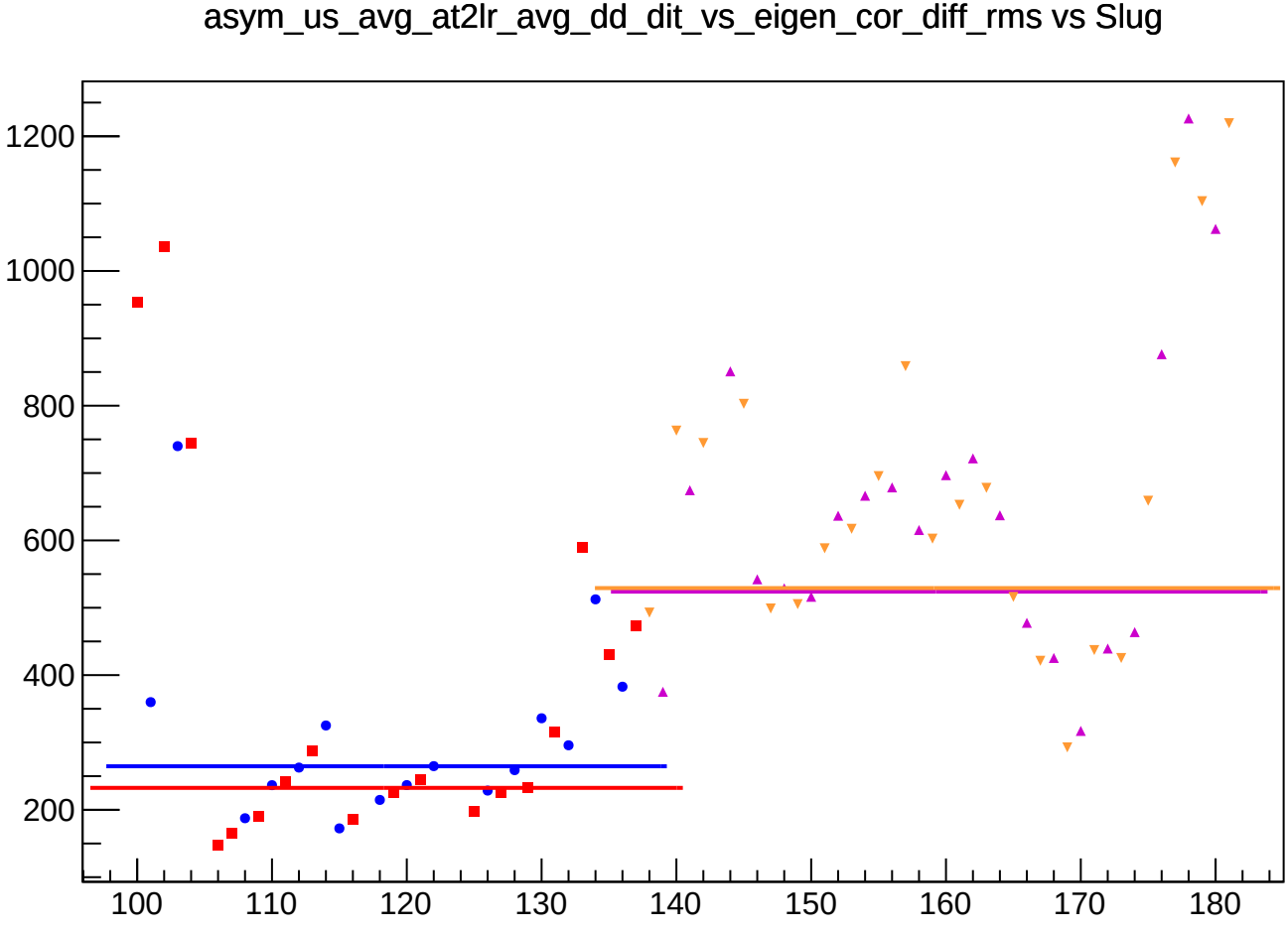
Right Out: 0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: -0.111+/-0.134 χ^2/NDF:27.6/20

\+ sign 0.070+/-0.083 χ^2/NDF: 36.1/37

All: 0.042+/-0.057 χ^2/NDF: 87.1/76

\- sign 0.018+/-0.079 χ^2/NDF: 50.8/38


asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug
1200
1000
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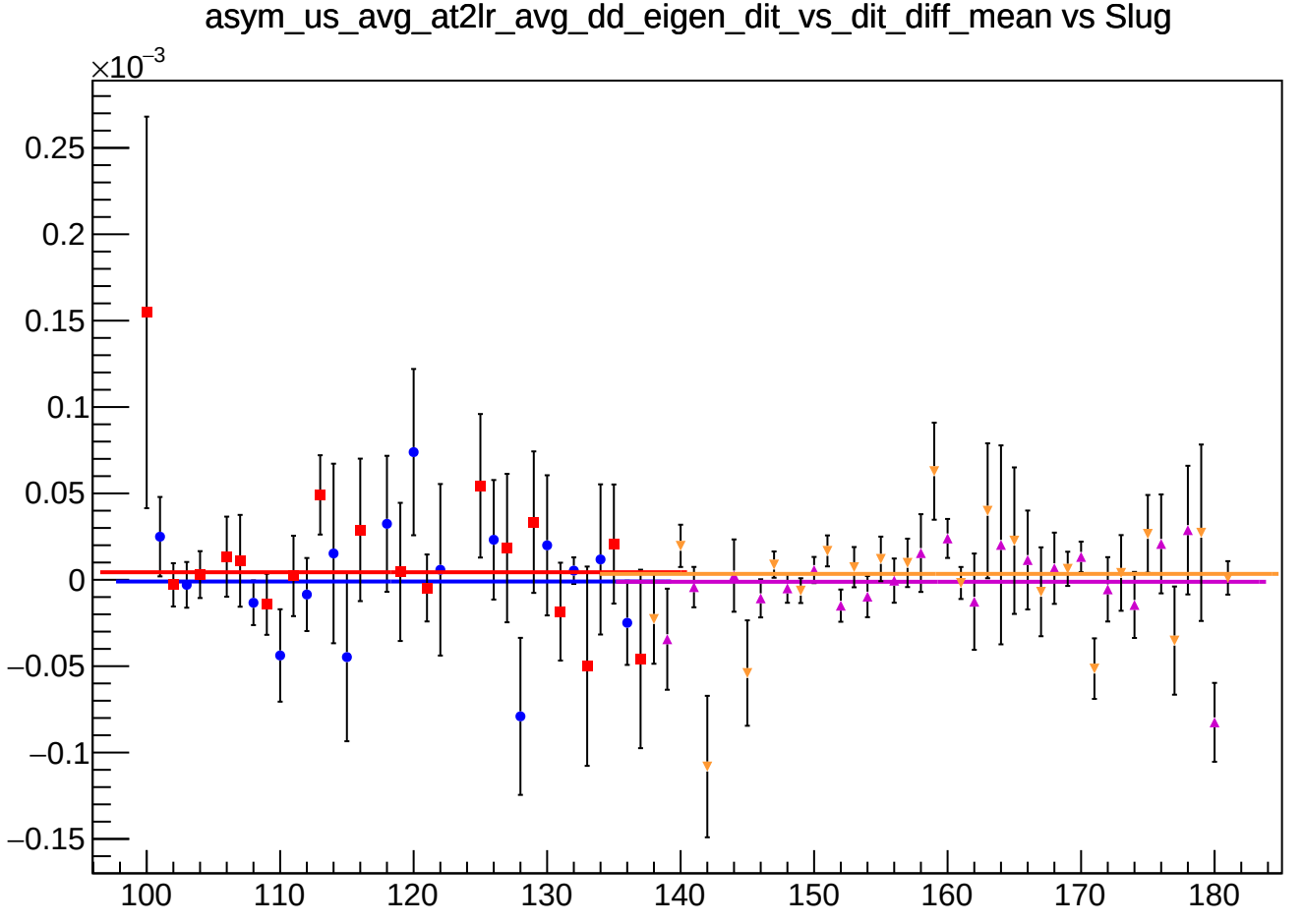
180
Right In: 264.667+/-0.074 χ²/NDF: 1284007.6/15
Left Out: 529.201+/-0.096 χ²/NDF:3739462.5/21
Right Out: 232.596+/-0.069 χ²/NDF: 2032662.7/17
Left In: 523.950+/-0.095 χ²/NDF:3122590.7/20
+ sign 363.545+/-0.059 χ²/NDF: 9761396.2/37
All: 347.377+/-0.040 χ²/NDF: 21225886.8/76
- sign 332.846+/-0.056 χ²/NDF: 11320919.8/38



Right In: -0.000+/-0.000 χ^2/NDF: 14.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:37.8/21

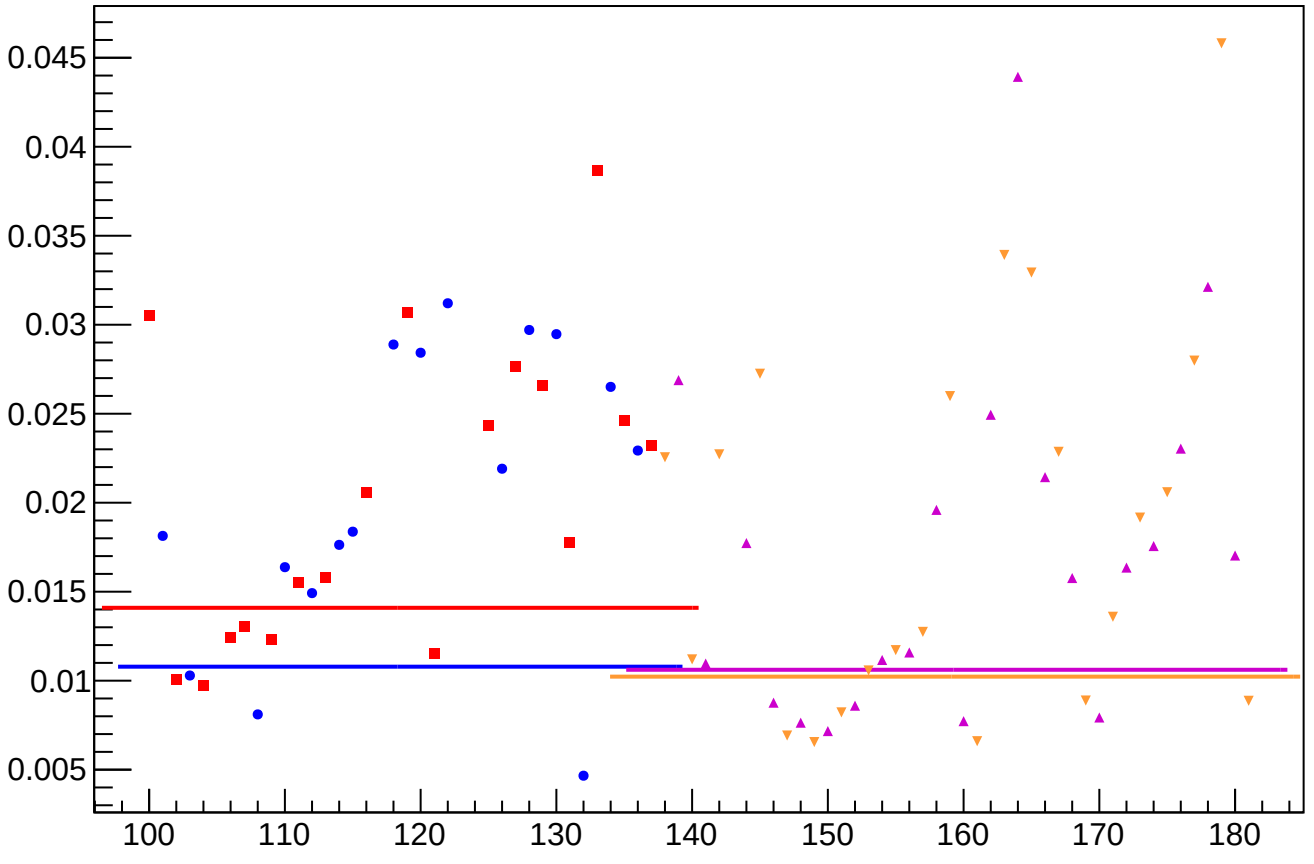
Right Out: 0.000+/-0.000 χ^2/NDF: 12.6/17

Left In: -0.000+/-0.000 χ^2/NDF:29.2/20

+ sign 0.000+/-0.000 χ^2/NDF: 52.8/37

All: 0.000+/-0.000 χ^2/NDF: 95.7/76

- sign 0.000+/-0.000 χ^2/NDF: 42.5/38



Right In: 0.011+/-0.000 χ^2/NDF: 4580054.6/15

Left Out: 0.010+/-0.000 χ^2/NDF:7620518.0/21

Right Out: 0.014+/-0.000 χ^2/NDF: 2084942.5/17

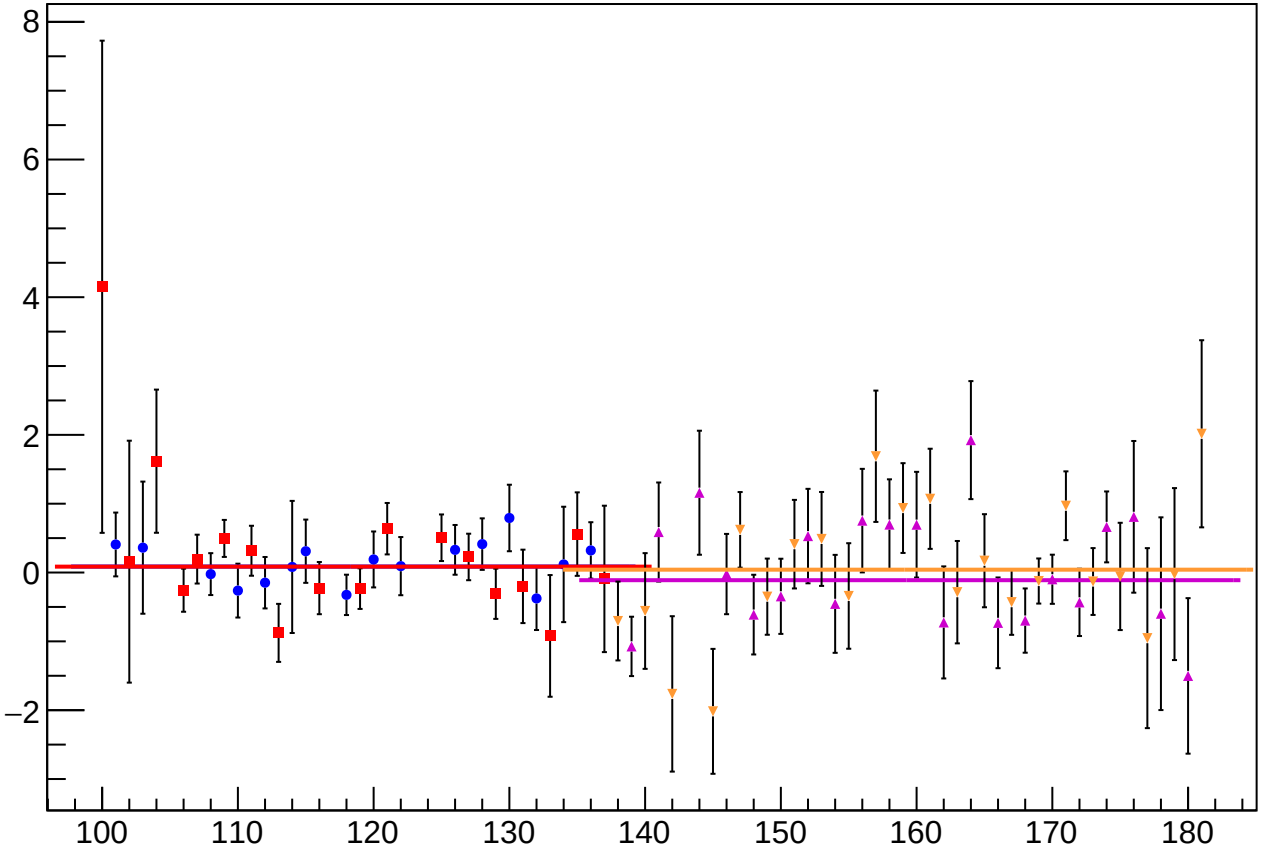
Left In: 0.011+/-0.000 χ^2/NDF:5584601.3/20

+ sign 0.010+/-0.000 χ^2/NDF: 12219694.2/37

All: 0.011+/-0.000 χ^2/NDF: 20619386.0/76

- sign 0.011+/-0.000 χ^2/NDF: 8250962.6/38

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.087+/-0.105 χ^2/NDF: 8.8/15

Left Out: 0.041+/-0.136 χ^2/NDF:27.2/21

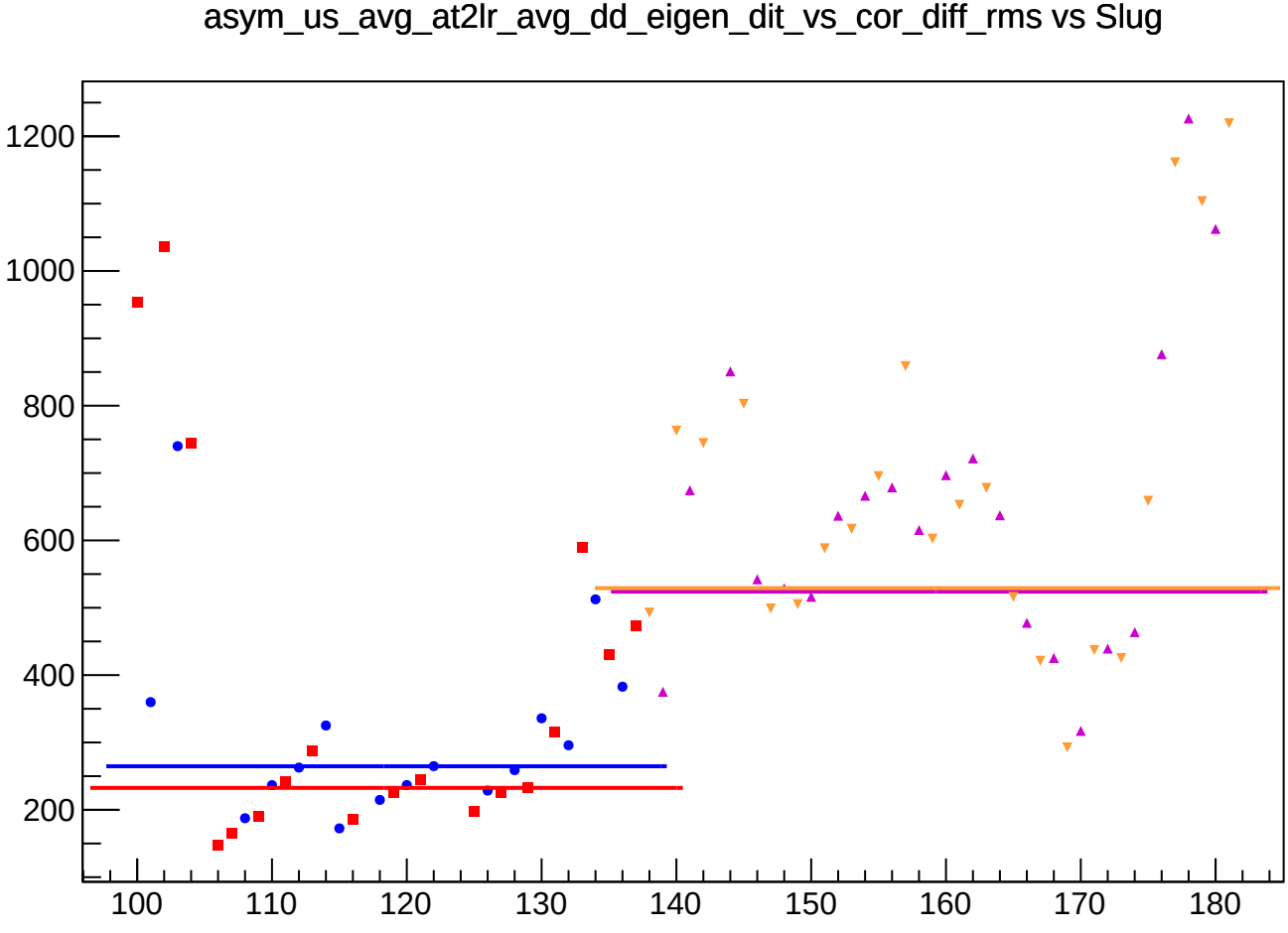
Right Out: 0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: -0.111+/-0.134 χ^2/NDF:27.6/20

\+ sign 0.070+/-0.083 χ^2/NDF: 36.1/37

All: 0.042+/-0.057 χ^2/NDF: 87.1/76

\- sign 0.018+/-0.079 χ^2/NDF: 50.8/38



Right In: 264.667+/-0.074 χ^2/NDF: 1283977.8/15

Left Out: 529.201+/-0.096 χ^2/NDF:3739634.7/21

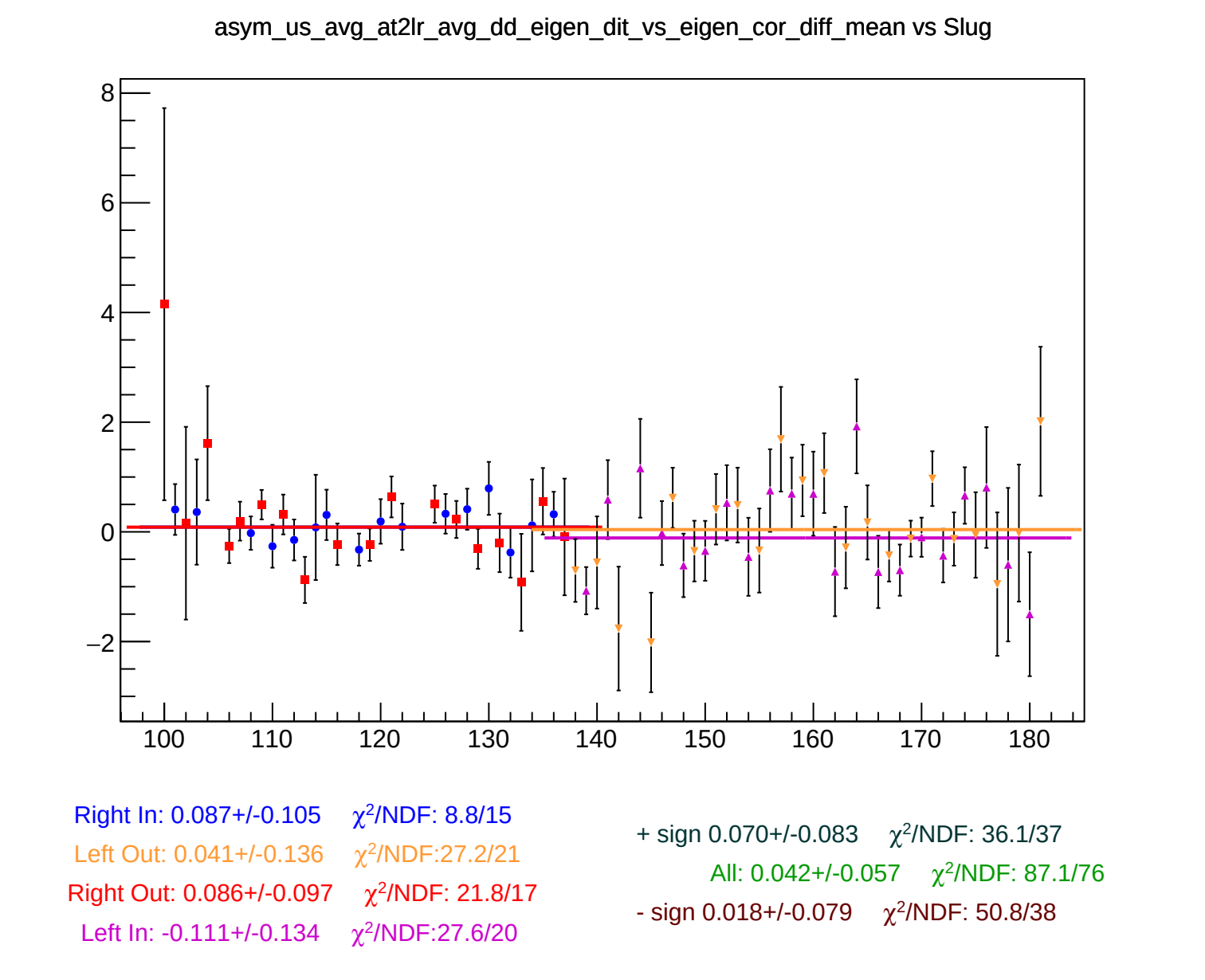
Right Out: 232.596+/-0.069 χ^2/NDF: 2032655.0/17

Left In: 523.953+/-0.095 χ^2/NDF:3122675.8/20

+ sign 363.545+/-0.059 χ^2/NDF: 9761543.0/37

All: 347.378+/-0.040 χ^2/NDF: 21226132.8/76

- sign 332.847+/-0.056 χ^2/NDF: 11321032.7/38


asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
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110
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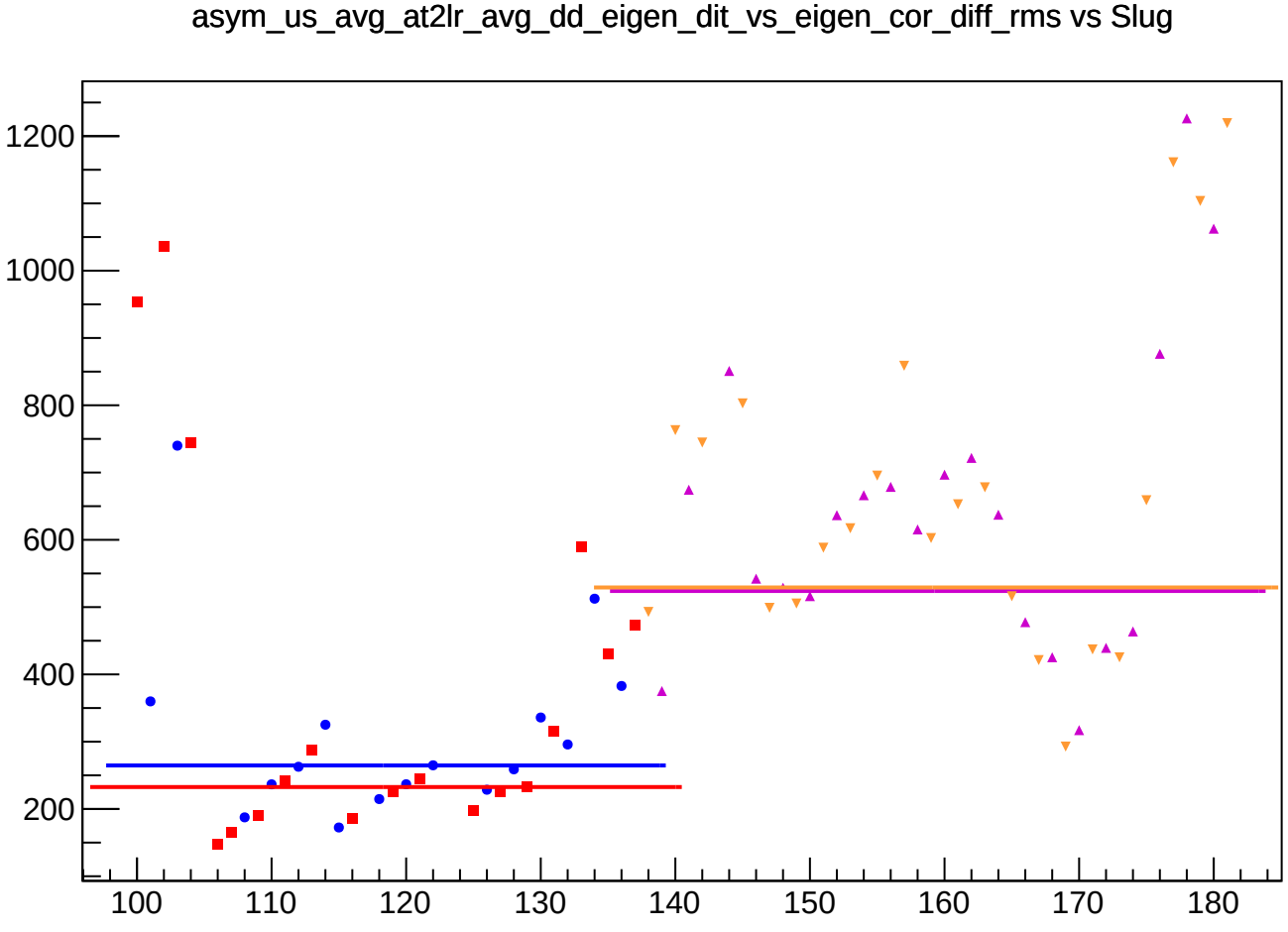
150
160
170
180
Right In: 0.087+/-0.105 χ²/NDF: 8.8/15
Left Out: 0.041+/-0.136 χ²/NDF:27.2/21
Right Out: 0.086+/-0.097 χ²/NDF: 21.8/17
Left In: -0.111+/-0.134 χ²/NDF:27.6/20
+ sign 0.070+/-0.083 χ²/NDF: 36.1/37
All: 0.042+/-0.057 χ²/NDF: 87.1/76
- sign 0.018+/-0.079 χ²/NDF: 50.8/38



Right In: 264.667+/-0.074 χ^2/NDF: 1283977.8/15

Left Out: 529.201+/-0.096 χ^2/NDF:3739634.7/21

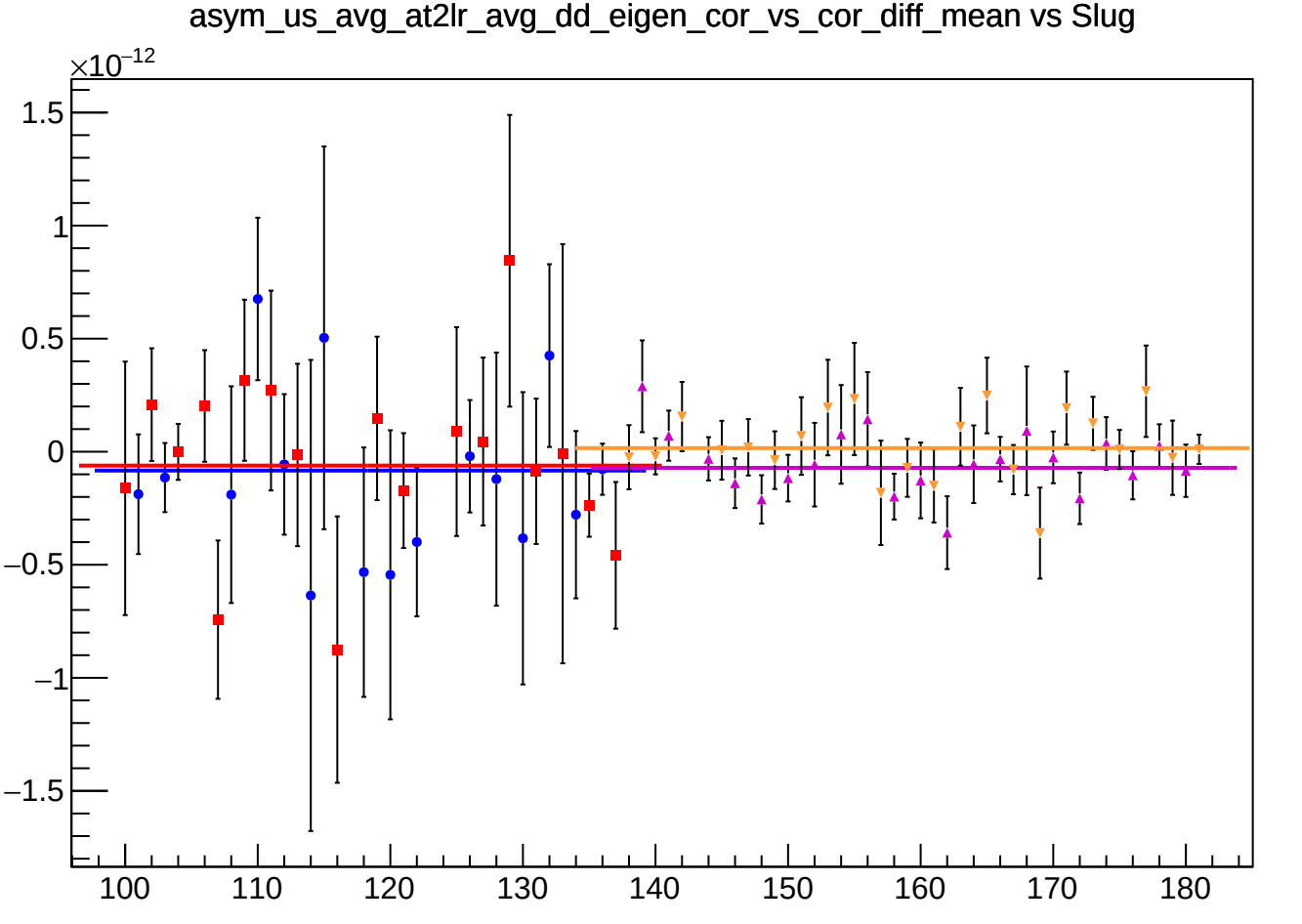
Right Out: 232.596+/-0.069 χ^2/NDF: 2032655.0/17

Left In: 523.953+/-0.095 χ^2/NDF:3122675.8/20

+ sign 363.545+/-0.059 χ^2/NDF: 9761543.0/37

All: 347.378+/-0.040 χ^2/NDF: 21226132.8/76

- sign 332.847+/-0.056 χ^2/NDF: 11321032.7/38



Right In: -0.000+/-0.000 χ^2/NDF: 9.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.3/21

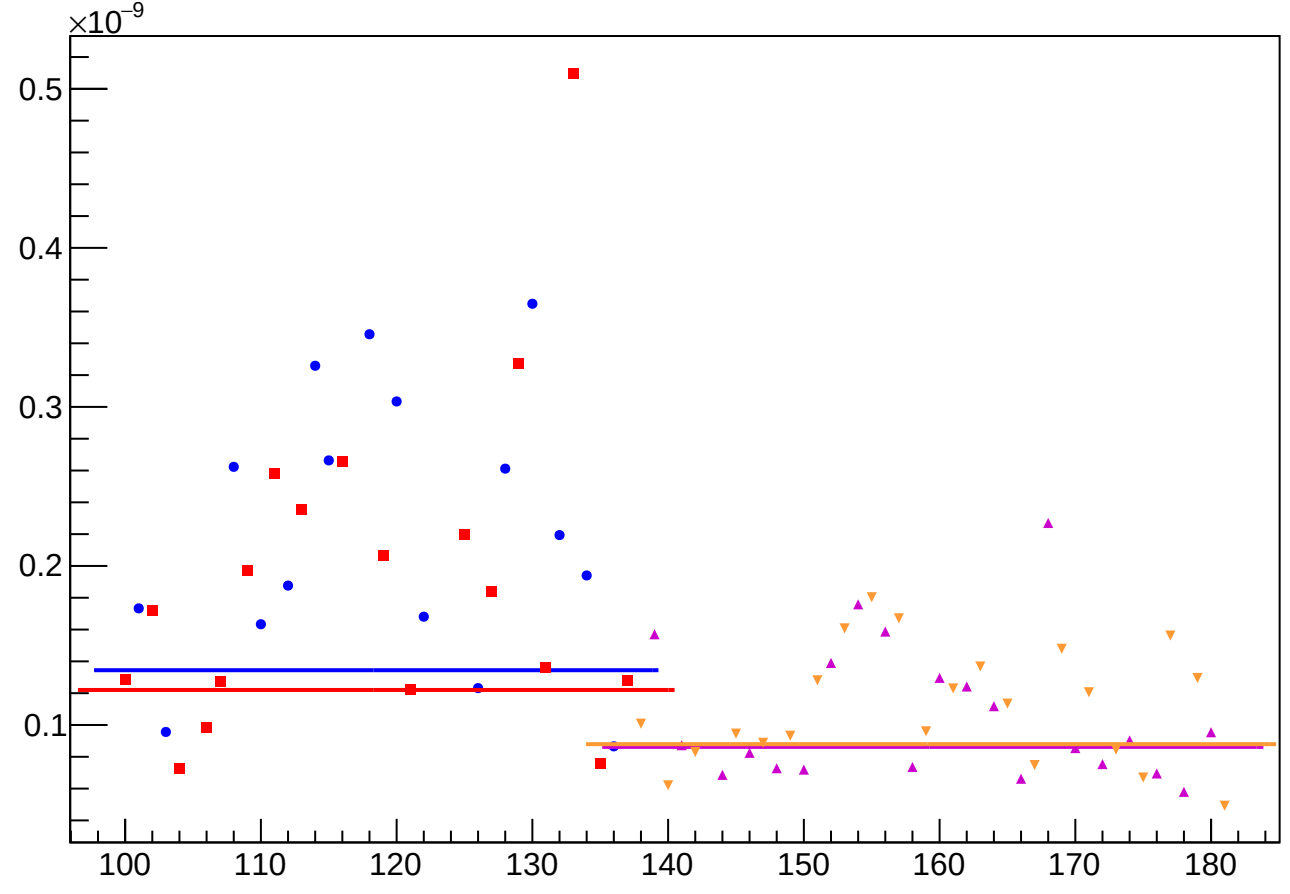
Right Out: -0.000+/-0.000 χ^2/NDF: 15.7/17

Left In: -0.000+/-0.000 χ^2/NDF:17.7/20

+ sign 0.000+/-0.000 χ^2/NDF: 26.8/37

All: -0.000+/-0.000 χ^2/NDF: 64.5/76

- sign -0.000+/-0.000 χ^2/NDF: 33.5/38



Right In: 0.000+/-0.000 χ^2/NDF: 1814968.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:2888489.9/21

Right Out: 0.000+/-0.000 χ^2/NDF: 2003381.5/17

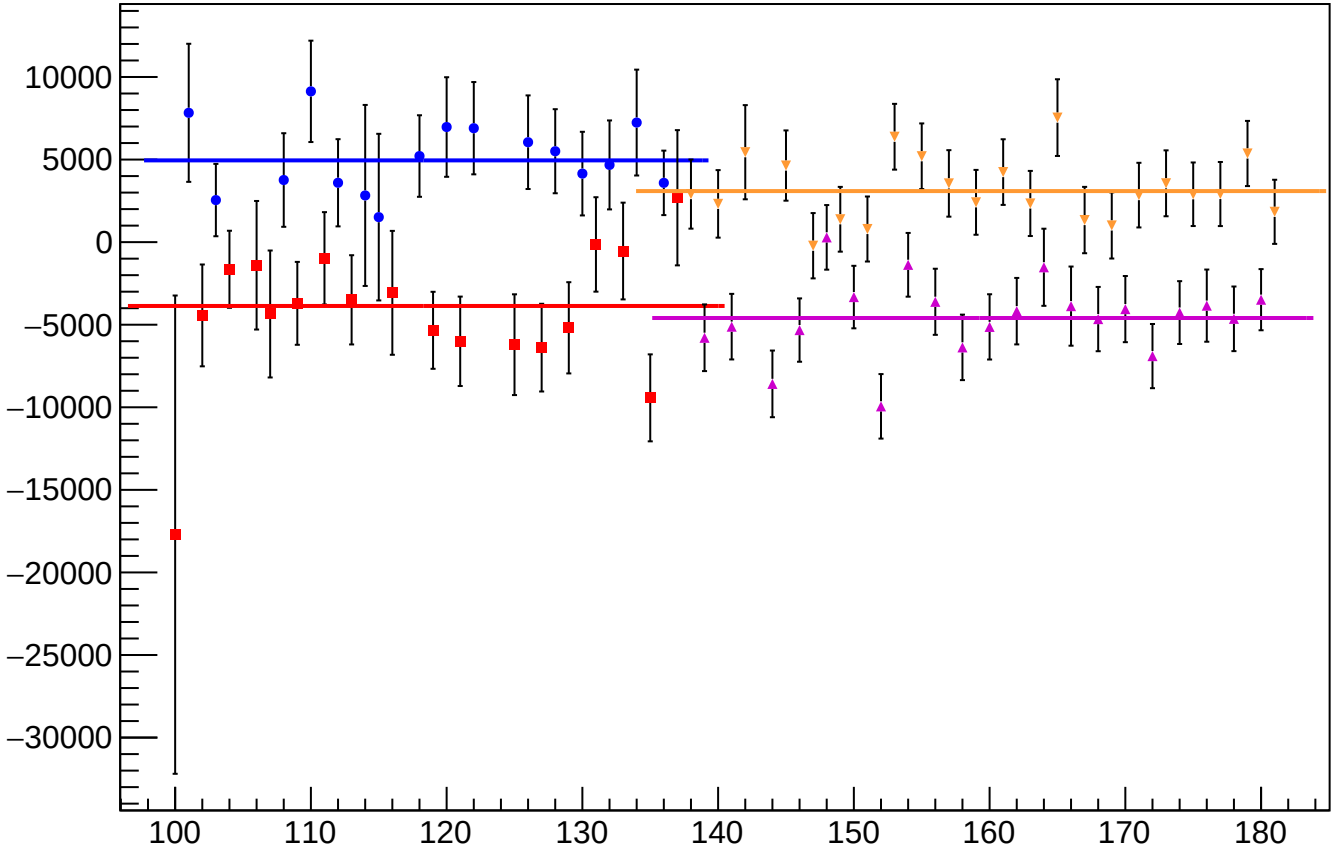
Left In: 0.000+/-0.000 χ^2/NDF:2277104.0/20

+ sign 0.000+/-0.000 χ^2/NDF: 5489687.1/37

All: 0.000+/-0.000 χ^2/NDF: 10305412.9/76

- sign 0.000+/-0.000 χ^2/NDF: 4804665.3/38

reg_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4950.321+/-698.937 χ^2/NDF: 6.8/15

Left Out: 3091.257+/-431.948 χ^2/NDF:18.1/21

Right Out: -3865.145+/-695.781 χ^2/NDF: 16.2/17

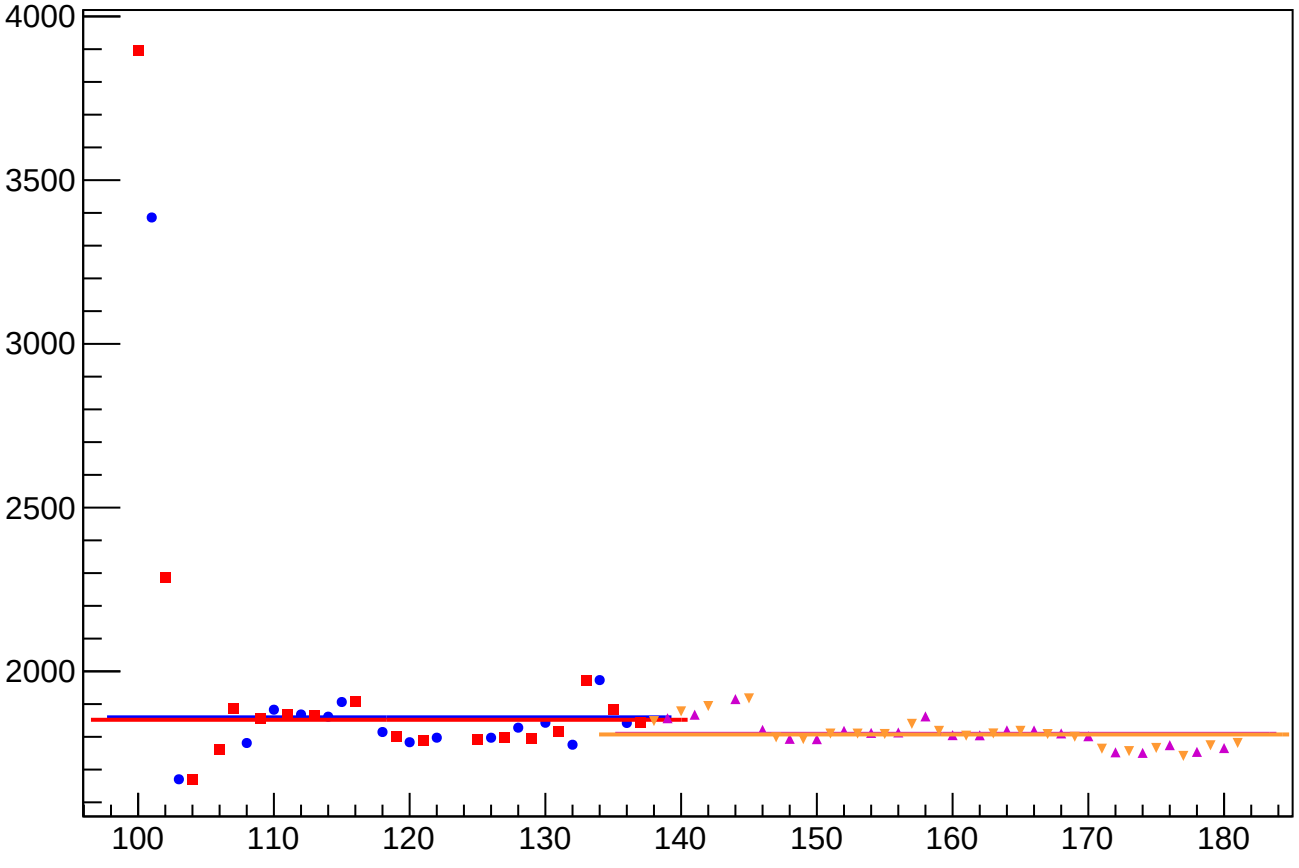
Left In: -4593.685+/-435.665 χ^2/NDF:26.4/20

+ sign 3605.058+/-367.441 χ^2/NDF: 30.1/37

All: -372.074+/-260.458 χ^2/NDF: 308.9/76

- sign -4388.496+/-369.252 χ^2/NDF: 43.4/38

reg_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1859.509+/-0.494 χ^2/NDF: 292334.6/15

Left Out: 1807.260+/-0.305 χ^2/NDF:17575.0/21

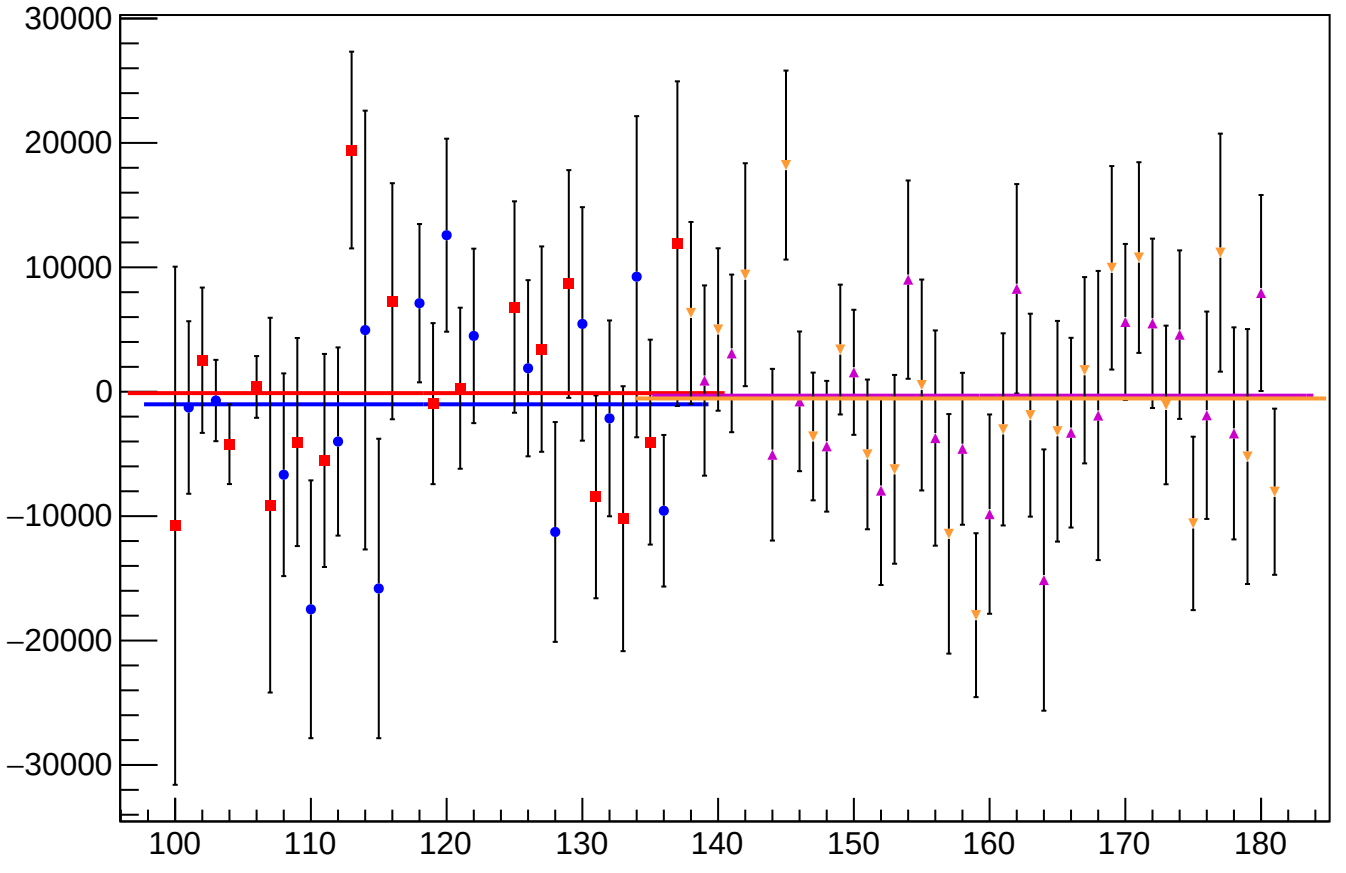
Right Out: 1852.065+/-0.490 χ^2/NDF: 102212.5/17

Left In: 1809.205+/-0.308 χ^2/NDF:17091.0/20

+ sign 1821.701+/-0.260 χ^2/NDF: 317997.3/37

All: 1821.516+/-0.184 χ^2/NDF: 442777.3/76

- sign 1821.329+/-0.261 χ^2/NDF: 124779.0/38



Right In: -1010.288+/-1764.180 χ^2/NDF: 14.7/15

Left Out: -540.646+/-1539.763 χ^2/NDF:28.5/21

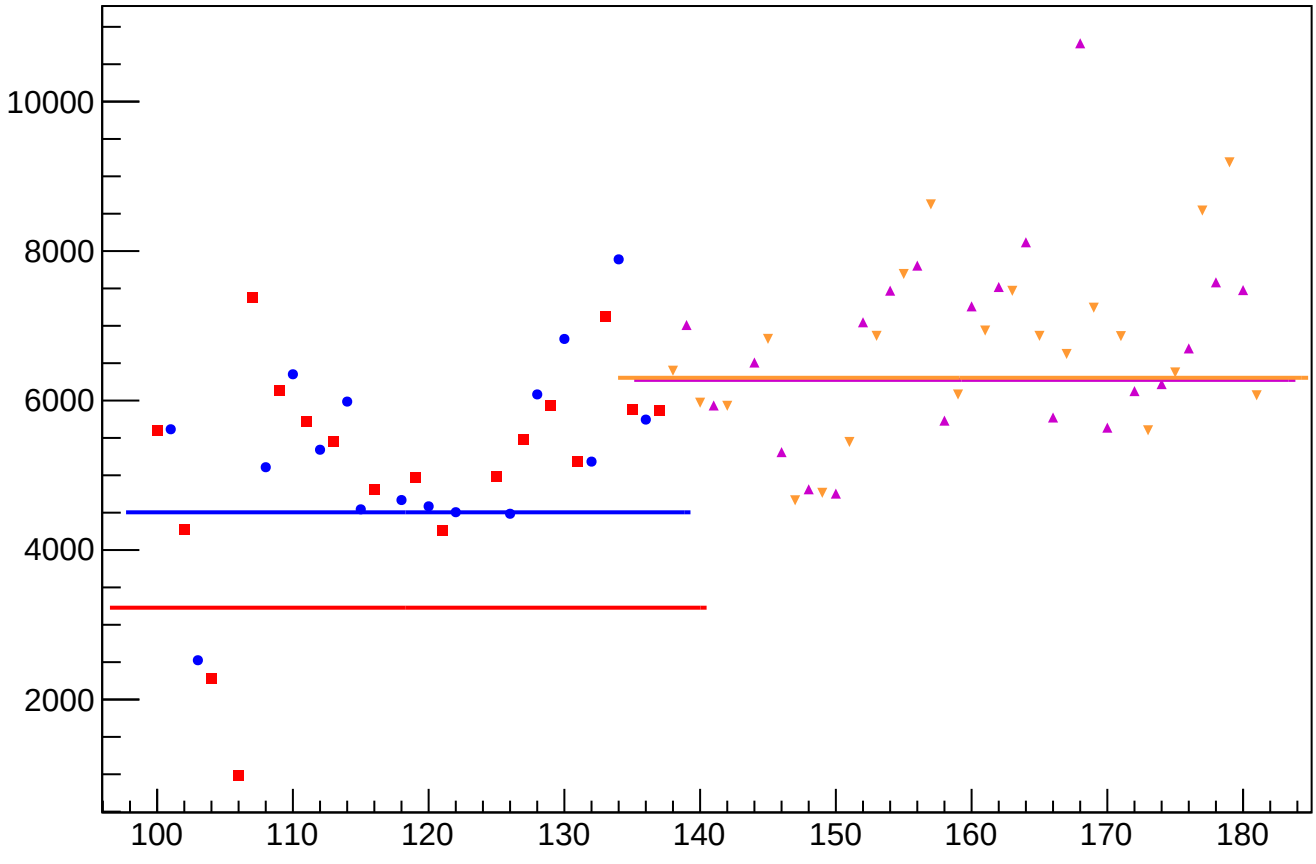
Right Out: -111.261+/-1438.515 χ^2/NDF: 14.6/17

Left In: -316.384+/-1542.550 χ^2/NDF:12.6/20

+ sign -743.713+/-1160.058 χ^2/NDF: 43.2/37

All: -449.032+/-779.302 χ^2/NDF: 70.6/76

- sign -206.673+/-1052.041 χ^2/NDF: 27.2/38



Right In: 4504.788+/-1.247 χ^2/NDF: 1321104.9/15

Left Out: 6304.592+/-1.089 χ^2/NDF:1017456.9/21

Right Out: 3228.605+/-1.017 χ^2/NDF: 3956397.6/17

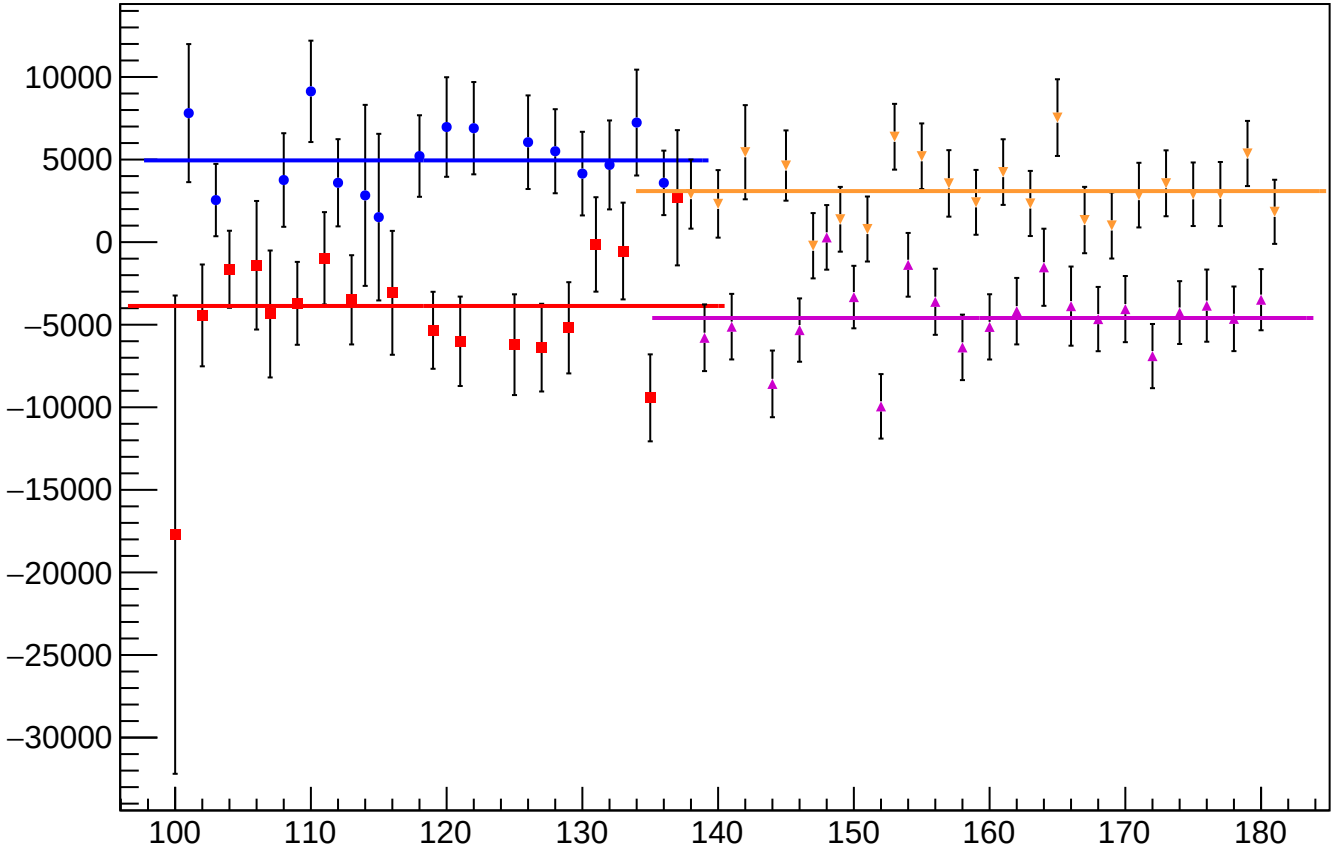
Left In: 6276.646+/-1.091 χ^2/NDF:1132845.8/20

+ sign 5526.379+/-0.820 χ^2/NDF: 3520096.1/37

All: 5043.513+/-0.551 χ^2/NDF: 13417515.9/7

- sign 4646.383+/-0.744 χ^2/NDF: 9265912.8/38

cor_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4949.838+/-698.937 χ^2/NDF: 6.8/15

Left Out: 3091.199+/-431.948 χ^2/NDF:18.1/21

Right Out: -3864.930+/-695.781 χ^2/NDF: 16.2/17

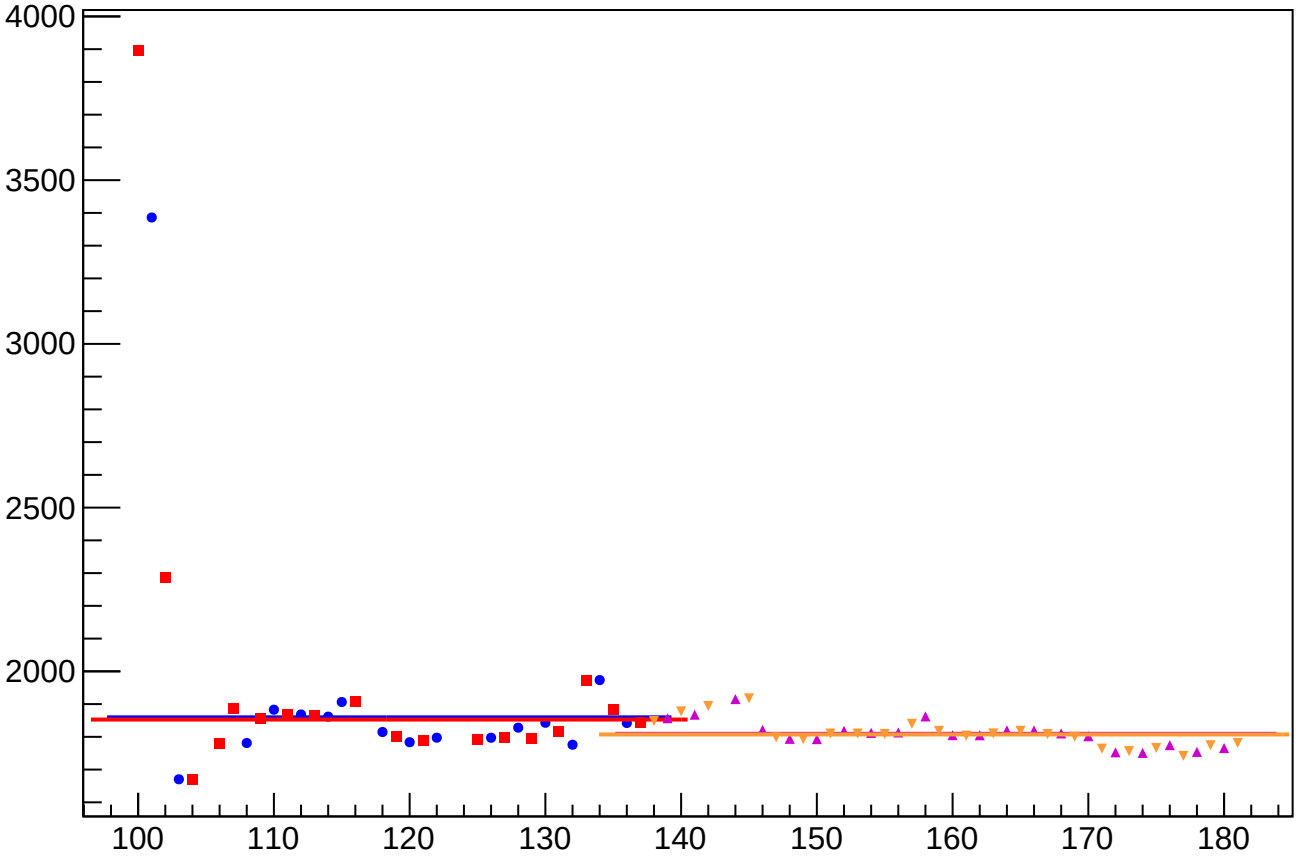
Left In: -4593.699+/-435.665 χ^2/NDF:26.4/20

+ sign 3604.883+/-367.441 χ^2/NDF: 30.1/37

All: -372.137+/-260.458 χ^2/NDF: 308.9/76

- sign -4388.445+/-369.252 χ^2/NDF: 43.4/38

cor_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1859.509+/-0.494 χ^2/NDF: 292336.5/15

Left Out: 1807.260+/-0.305 χ^2/NDF:17575.0/21

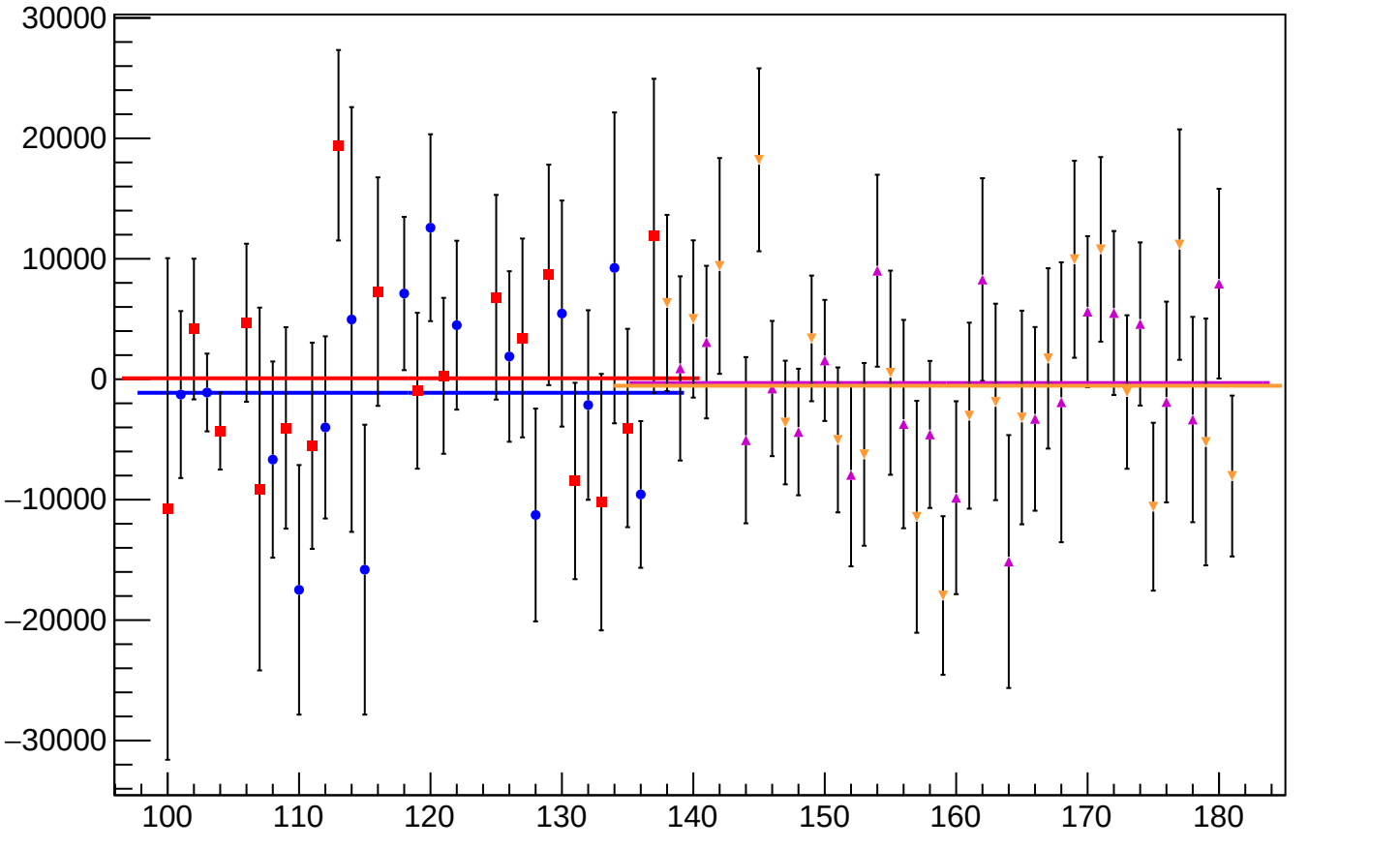
Right Out: 1852.770+/-0.491 χ^2/NDF: 101750.5/17

Left In: 1809.205+/-0.308 χ^2/NDF:17091.0/20

+ sign 1821.701+/-0.260 χ^2/NDF: 317999.1/37

All: 1821.612+/-0.184 χ^2/NDF: 442495.5/76

- sign 1821.523+/-0.261 χ^2/NDF: 124496.1/38



Right In: -1125.567+/-1757.876 χ^2/NDF: 14.7/15

Left Out: -540.656+/-1539.761 χ^2/NDF:28.5/21

Right Out: 78.270+/-1702.444 χ^2/NDF: 15.5/17

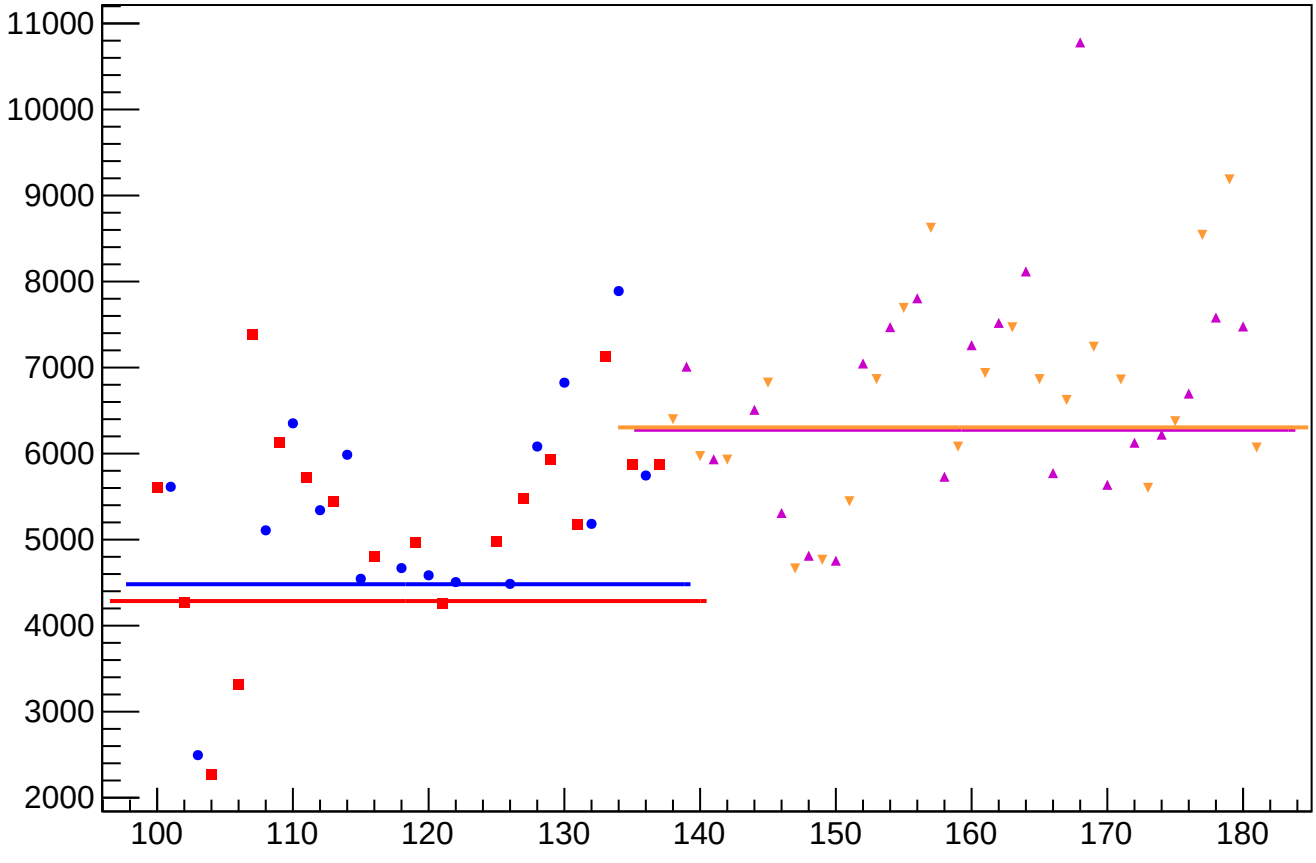
Left In: -316.469+/-1542.550 χ^2/NDF:12.6/20

+ sign -794.592+/-1158.259 χ^2/NDF: 43.3/37

All: -462.228+/-813.603 χ^2/NDF: 71.6/76

- sign -138.503+/-1143.106 χ^2/NDF: 28.2/38

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: 6304.587+/-1.089 χ^2/NDF:1017468.2/21

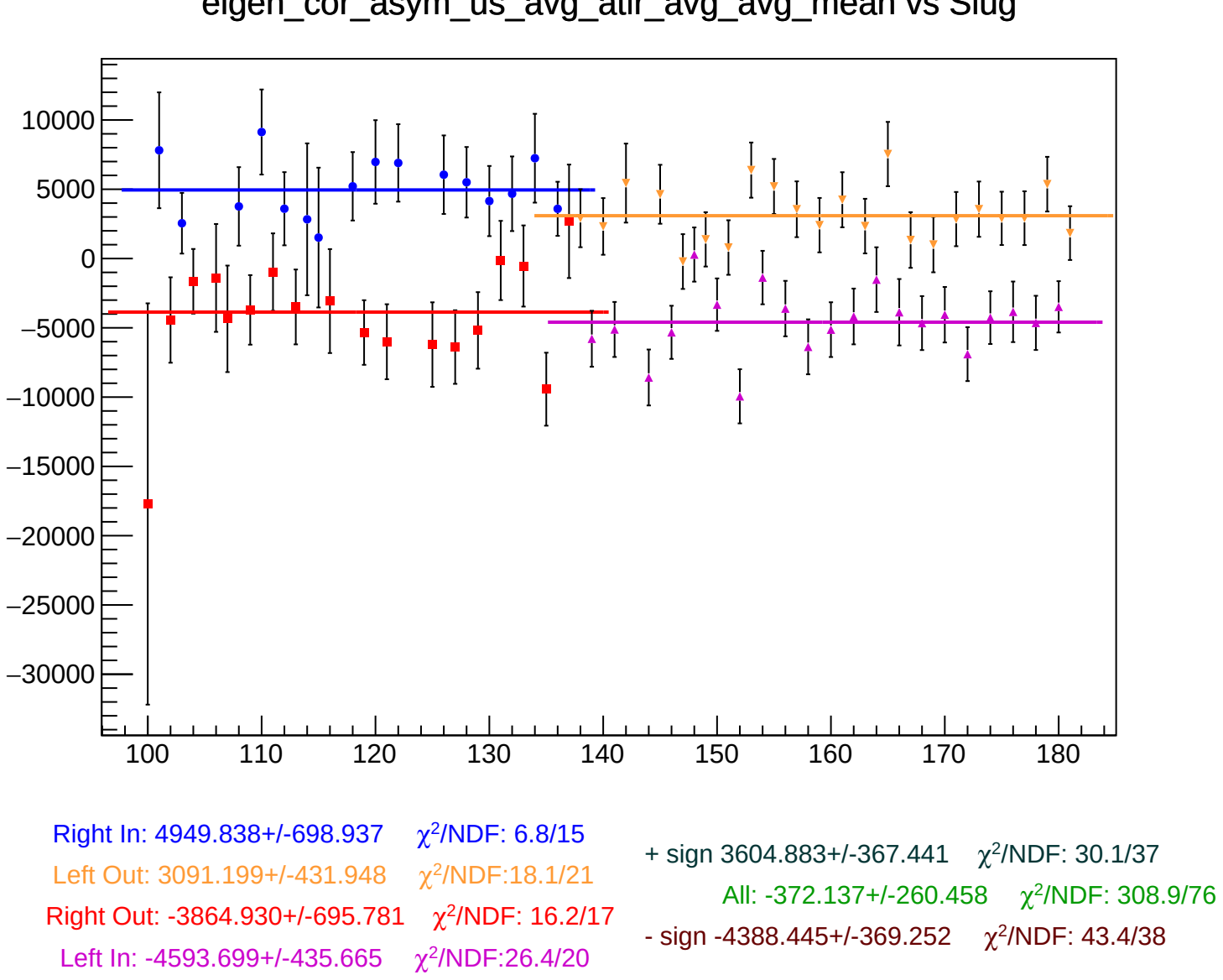
Right Out: 4286.125+/-1.204 χ^2/NDF: 1549852.7/17

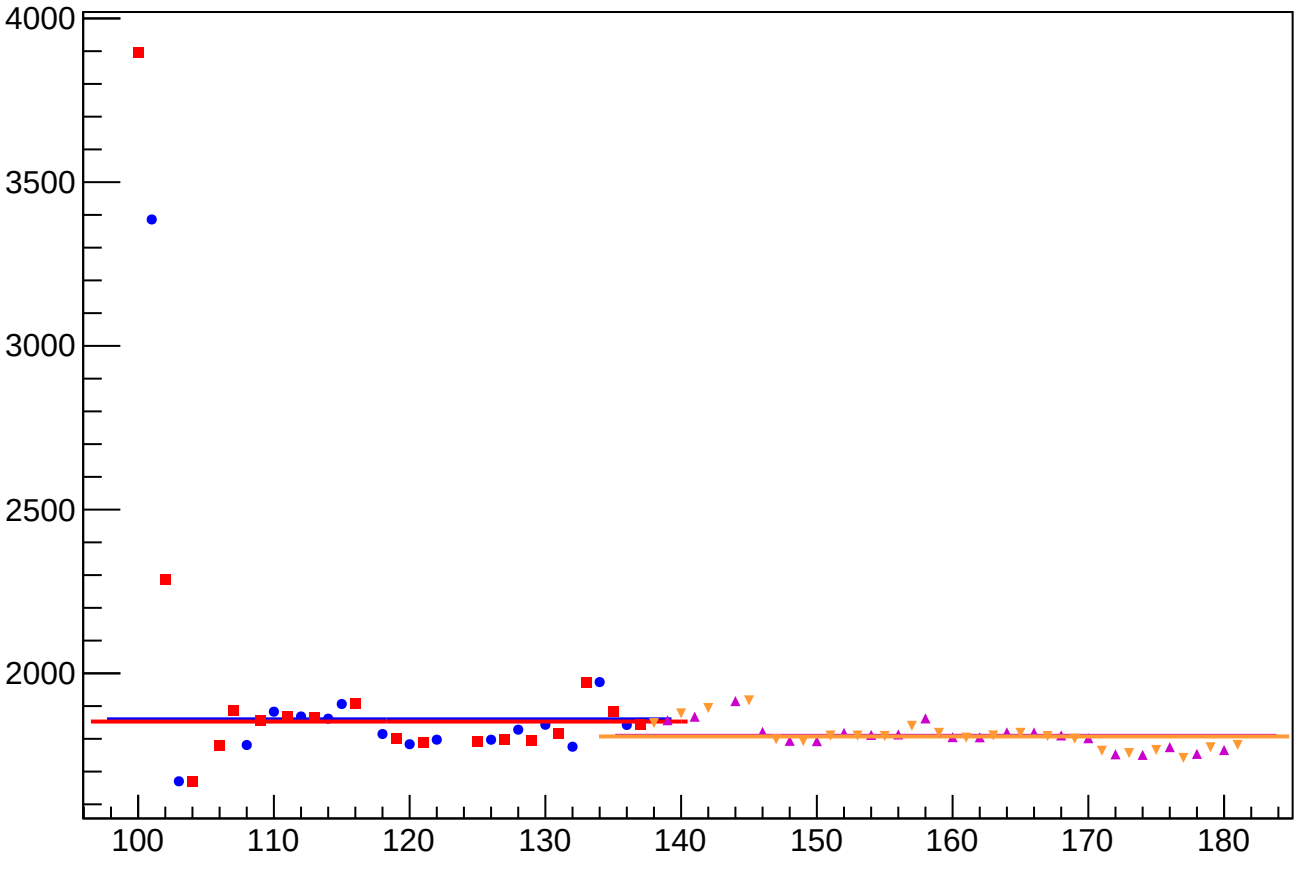
Left In: 6276.645+/-1.091 χ^2/NDF:1132852.4/20

+ sign 5513.110+/-0.819 χ^2/NDF: 3596930.3/37

All: 5445.288+/-0.575 χ^2/NDF: 7794626.7/76

- sign 5379.229+/-0.808 χ^2/NDF: 4184159.9/38


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: 3091.199+/-431.948 χ²/NDF:18.1/21
Right Out: -3864.930+/-695.781 χ²/NDF: 16.2/17
Left In: -4593.699+/-435.665 χ²/NDF:26.4/20
+ sign 3604.883+/-367.441 χ²/NDF: 30.1/37
All: -372.137+/-260.458 χ²/NDF: 308.9/76
- sign -4388.445+/-369.252 χ²/NDF: 43.4/38



Right In: 1859.509+/-0.494 χ^2/NDF: 292336.5/15

Left Out: 1807.260+/-0.305 χ^2/NDF:17575.0/21

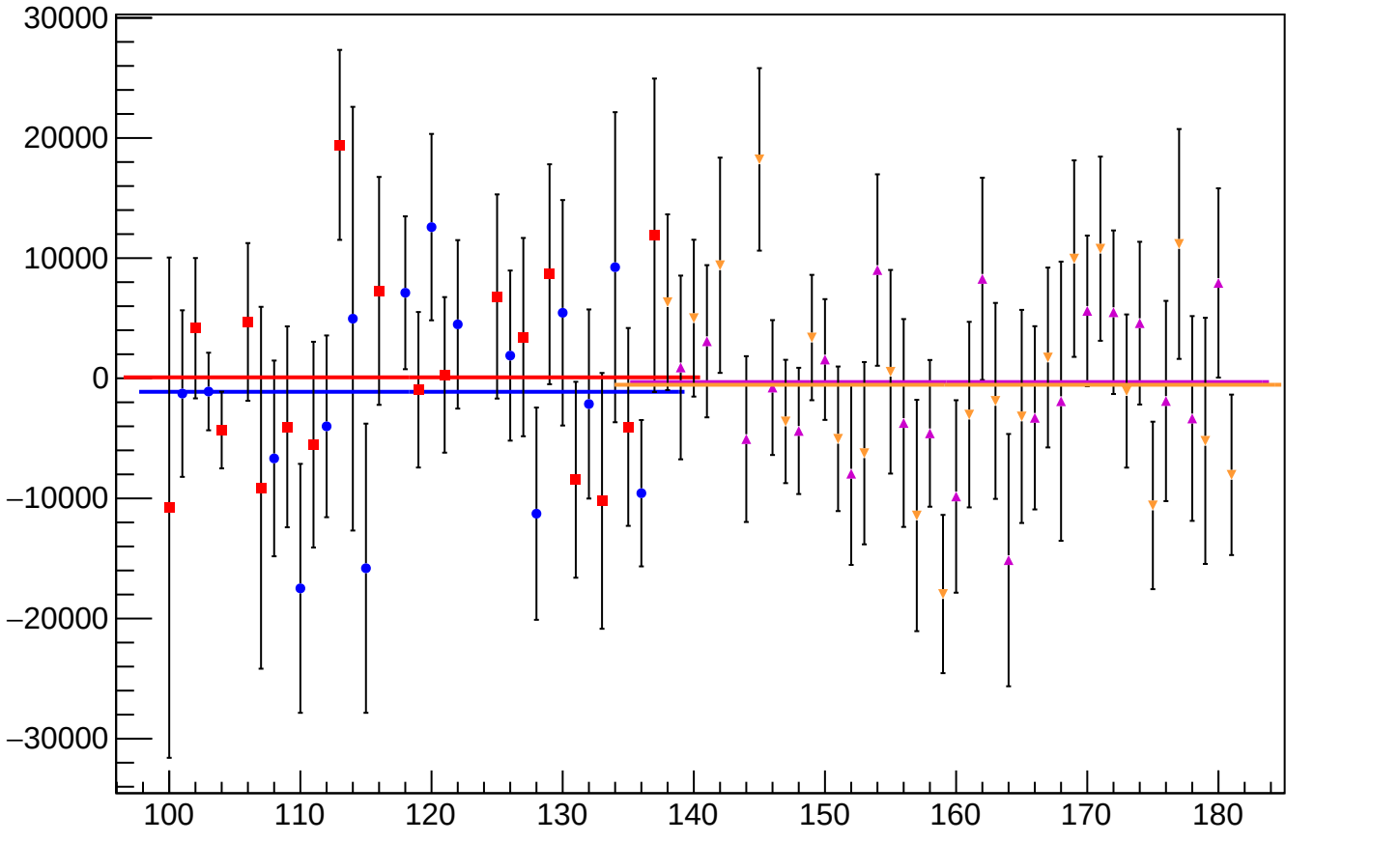
Right Out: 1852.770+/-0.491 χ^2/NDF: 101750.5/17

Left In: 1809.205+/-0.308 χ^2/NDF:17091.0/20

+ sign 1821.701+/-0.260 χ^2/NDF: 317999.1/37

All: 1821.612+/-0.184 χ^2/NDF: 442495.5/76

- sign 1821.523+/-0.261 χ^2/NDF: 124496.1/38



Right In: -1125.567+/-1757.876 χ^2/NDF: 14.7/15

Left Out: -540.656+/-1539.761 χ^2/NDF:28.5/21

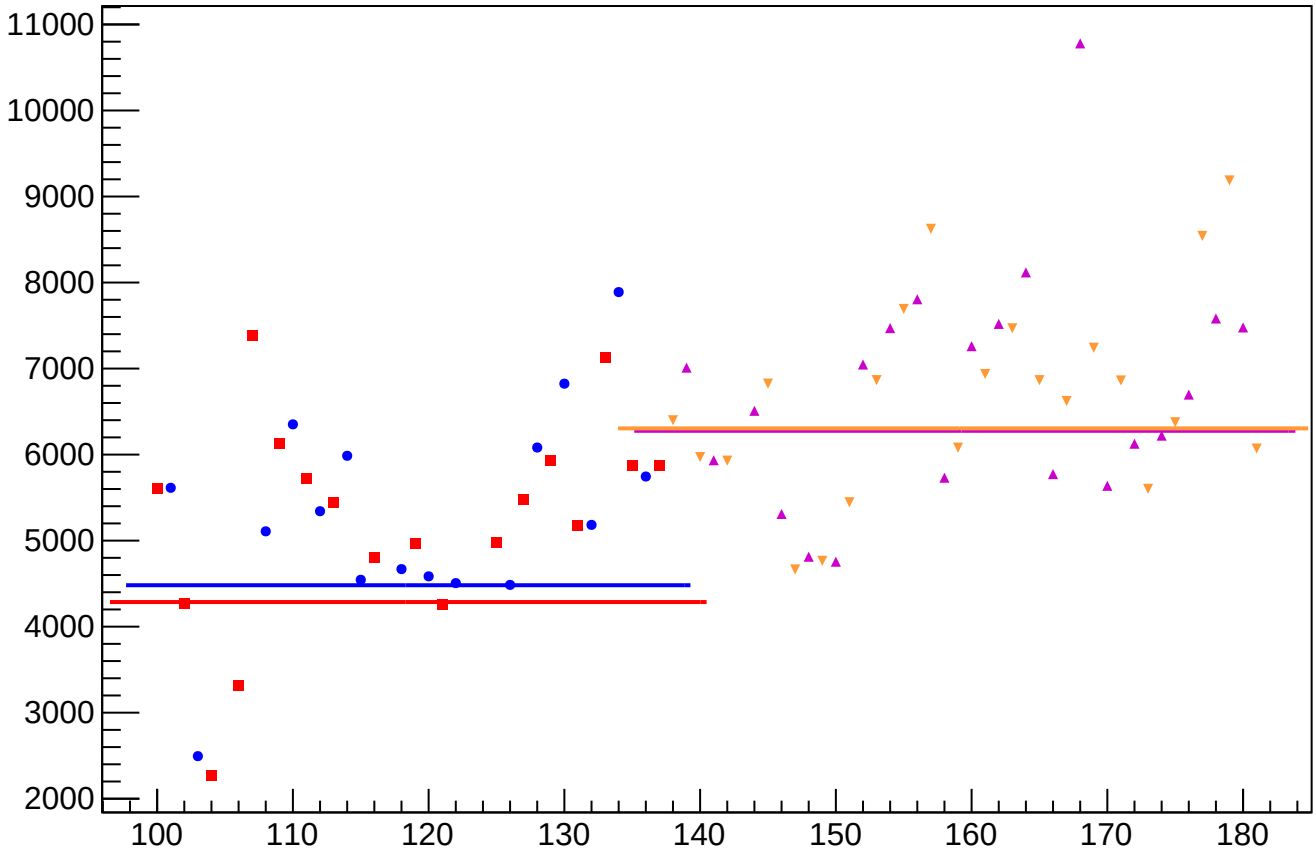
Right Out: 78.270+/-1702.444 χ^2/NDF: 15.5/17

Left In: -316.469+/-1542.550 χ^2/NDF:12.6/20

+ sign -794.592+/-1158.259 χ^2/NDF: 43.3/37

All: -462.228+/-813.603 χ^2/NDF: 71.6/76

- sign -138.503+/-1143.106 χ^2/NDF: 28.2/38



Right In: 4481.518+/-1.243 χ^2/NDF: 1362255.0/15

Left Out: 6304.587+/-1.089 χ^2/NDF:1017468.2/21

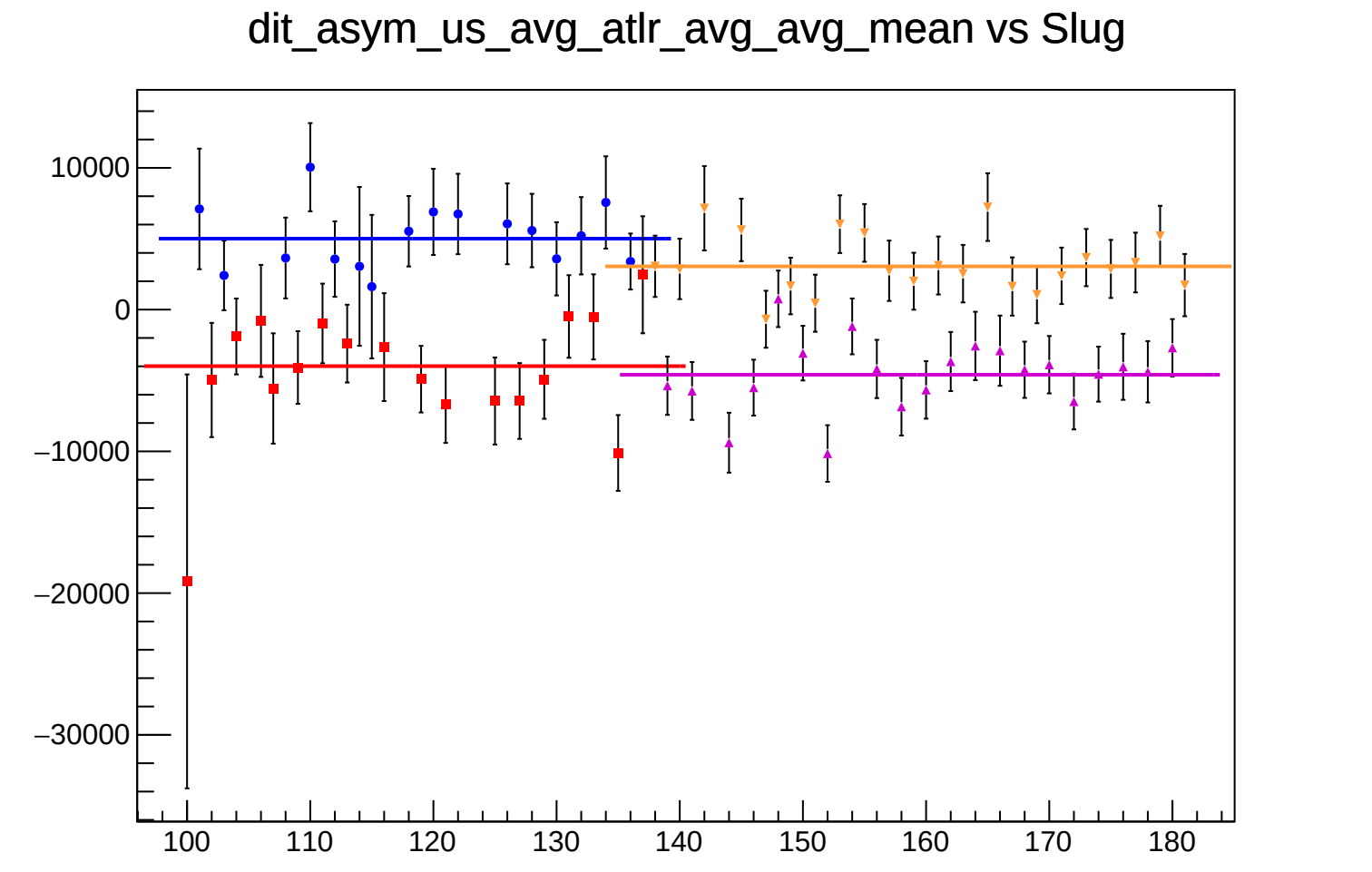
Right Out: 4286.125+/-1.204 χ^2/NDF: 1549852.7/17

Left In: 6276.645+/-1.091 χ^2/NDF:1132852.4/20

+ sign 5513.110+/-0.819 χ^2/NDF: 3596930.3/37

All: 5445.288+/-0.575 χ^2/NDF: 7794626.7/76

- sign 5379.229+/-0.808 χ^2/NDF: 4184159.9/38



Right In: 5007.315+/-714.061 χ^2/NDF: 7.7/15

Left Out: 3050.779+/-448.325 χ^2/NDF:18.8/21

Right Out: -3989.193+/-719.024 χ^2/NDF: 17.4/17

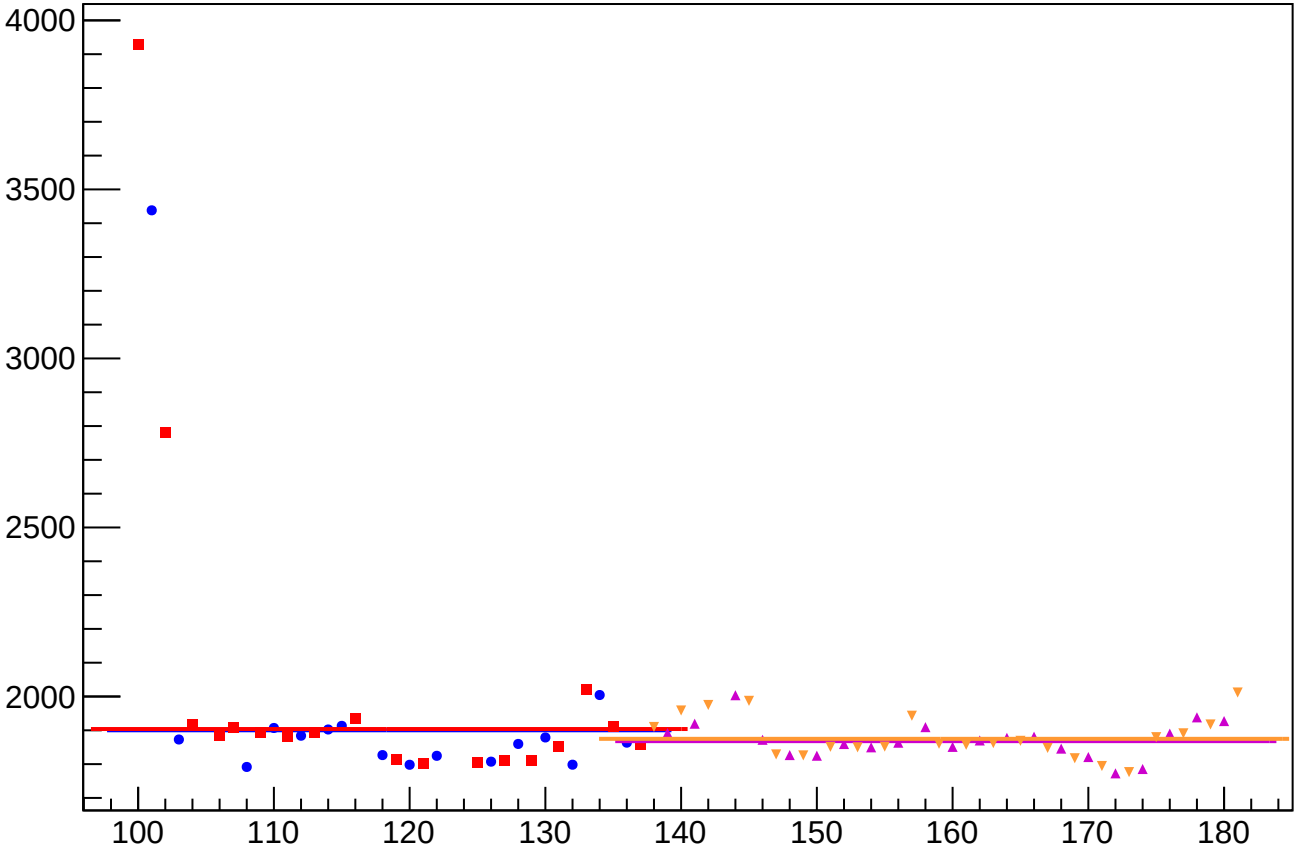
Left In: -4592.899+/-449.964 χ^2/NDF:29.4/20

+ sign 3603.973+/-379.691 χ^2/NDF: 31.9/37

All: -391.160+/-269.095 χ^2/NDF: 301.5/76

- sign -4423.007+/-381.432 χ^2/NDF: 47.2/38

dit_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1900.111+/-0.505 χ^2/NDF: 278448.2/15

Left Out: 1874.811+/-0.317 χ^2/NDF:35257.9/21

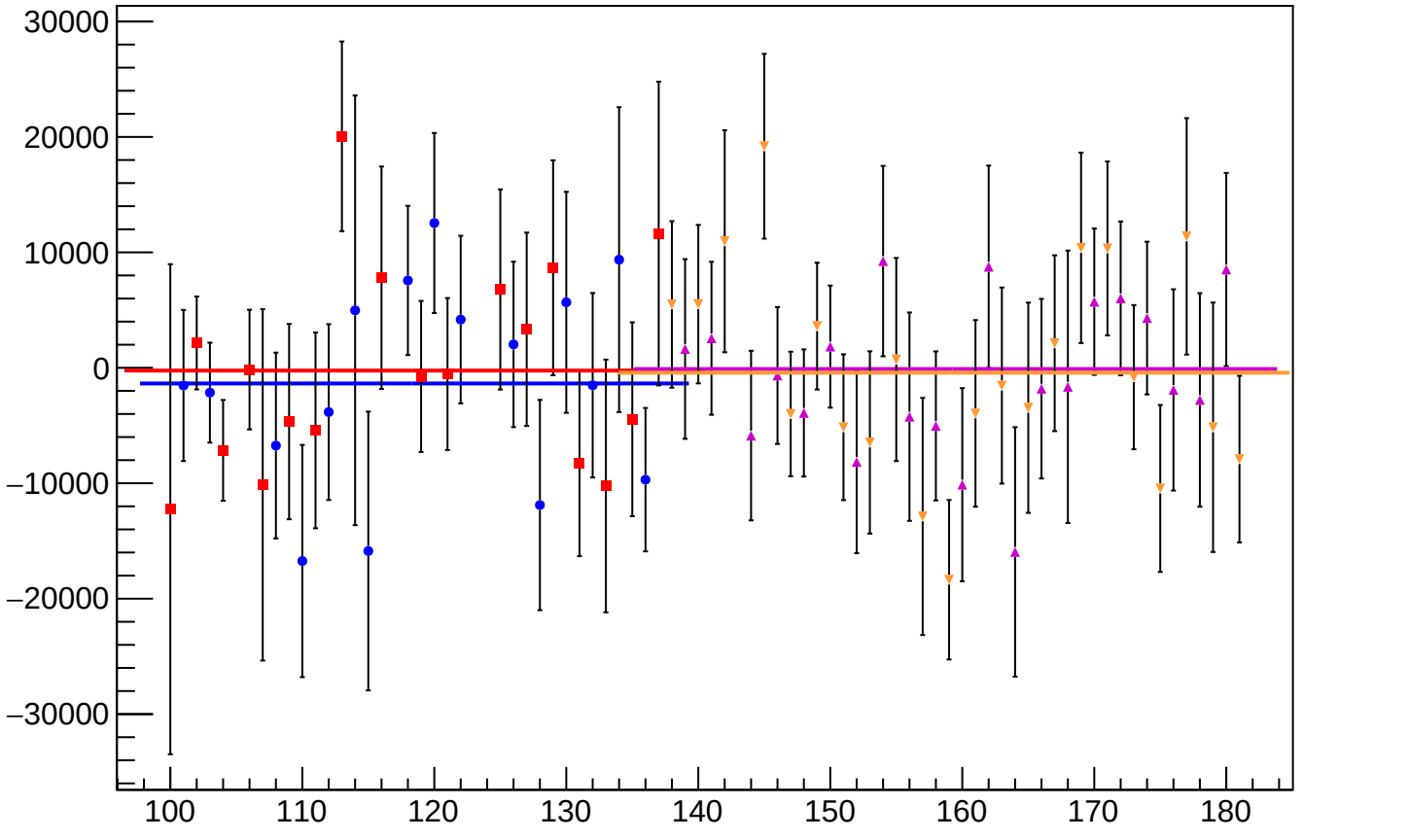
Right Out: 1903.827+/-0.508 χ^2/NDF: 150115.8/17

Left In: 1867.973+/-0.318 χ^2/NDF:26618.5/20

+ sign 1881.964+/-0.268 χ^2/NDF: 315507.0/37

All: 1880.030+/-0.190 χ^2/NDF: 495924.8/76

- sign 1878.078+/-0.270 χ^2/NDF: 180313.5/38



Right In: -1356.615+/-1895.990 χ^2/NDF: 14.7/15

Left Out: -427.801+/-1597.479 χ^2/NDF:27.9/21

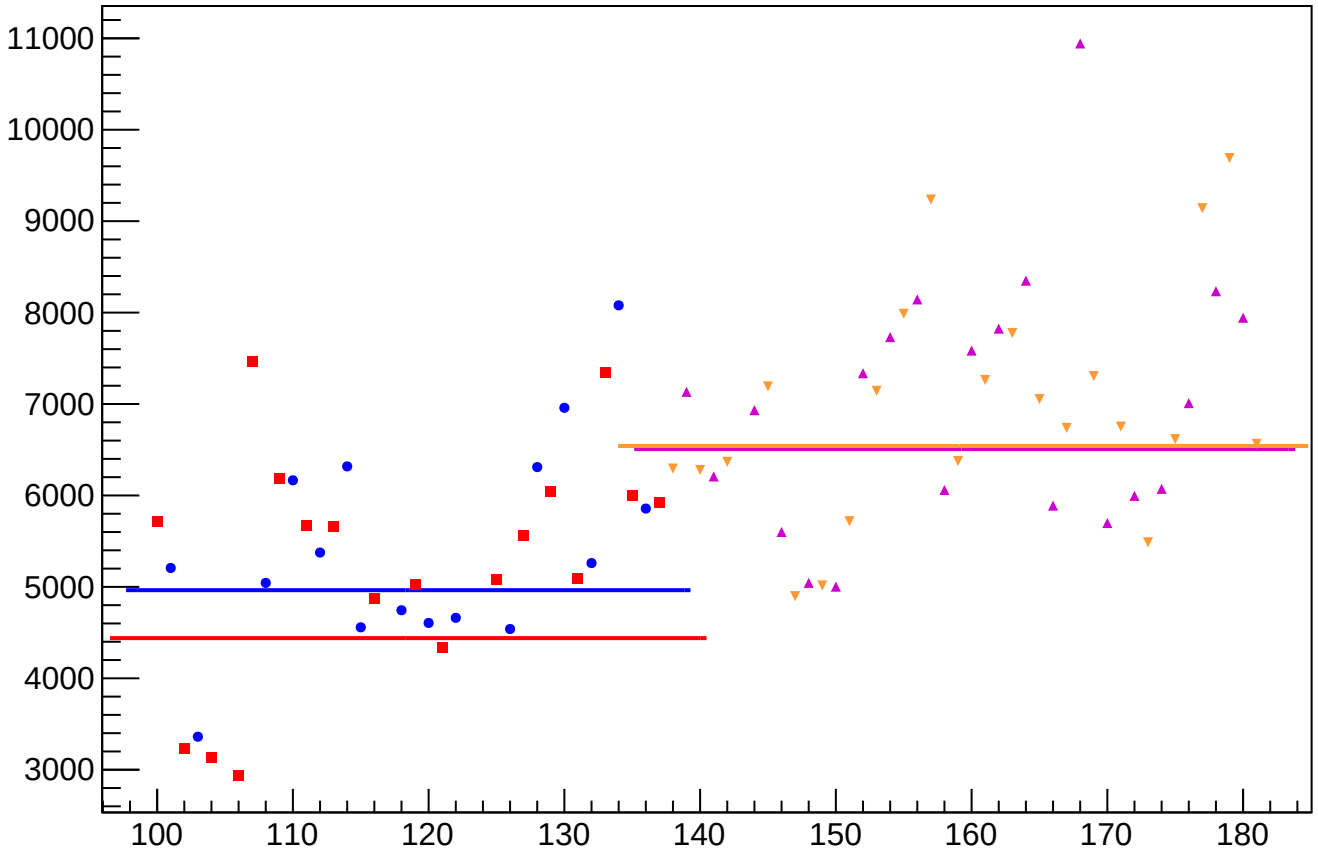
Right Out: -241.153+/-1712.681 χ^2/NDF: 15.7/17

Left In: -106.351+/-1599.125 χ^2/NDF:12.6/20

+ sign -813.418+/-1221.658 χ^2/NDF: 42.8/37

All: -477.047+/-844.549 χ^2/NDF: 71.2/76

- sign -169.135+/-1168.837 χ^2/NDF: 28.3/38



Right In: 4963.998+/-1.341 χ^2/NDF: 627377.0/15

Left Out: 6541.152+/-1.130 χ^2/NDF:1038607.6/21

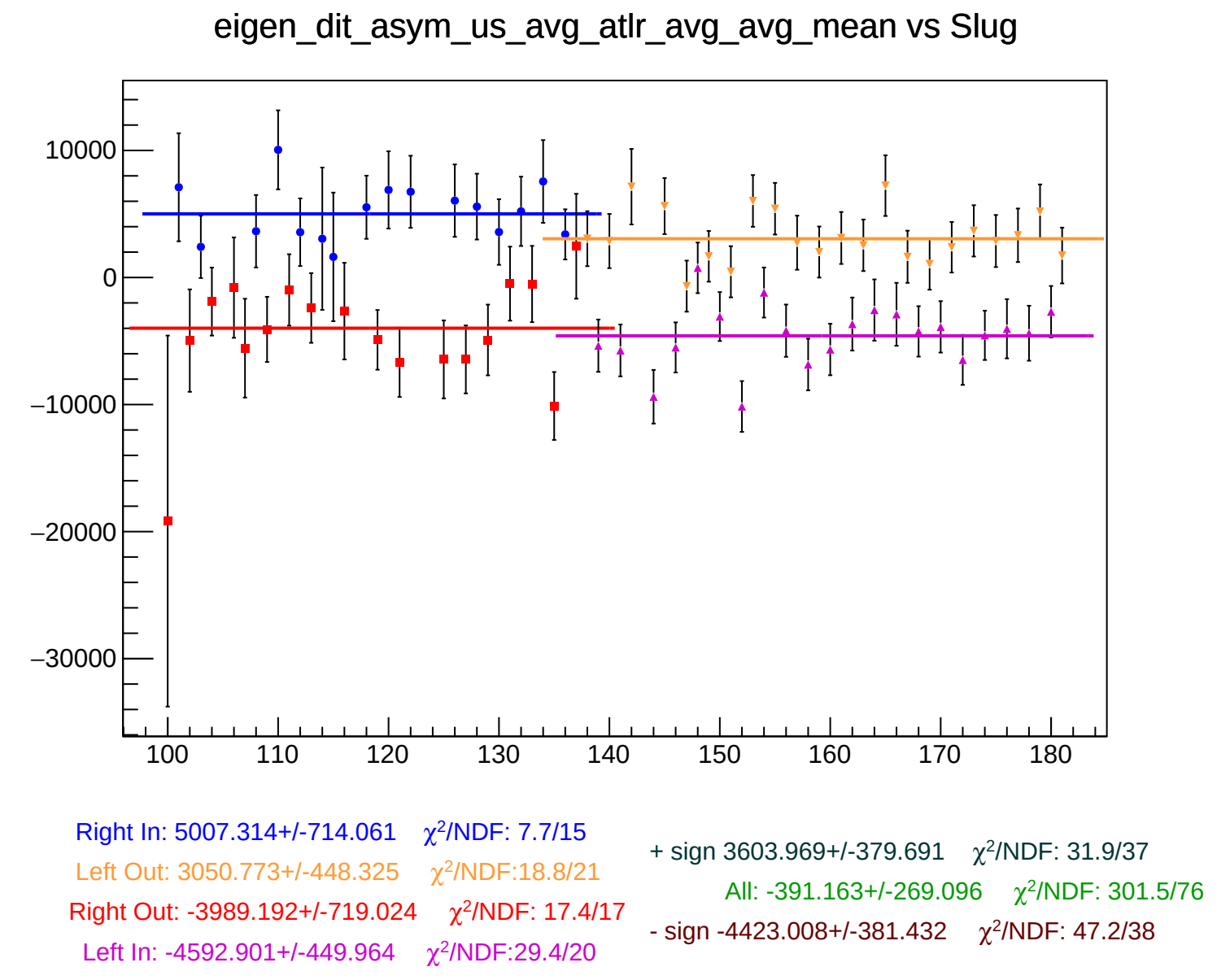
Right Out: 4439.675+/-1.211 χ^2/NDF: 1158510.1/17

Left In: 6507.142+/-1.131 χ^2/NDF:1135682.5/20

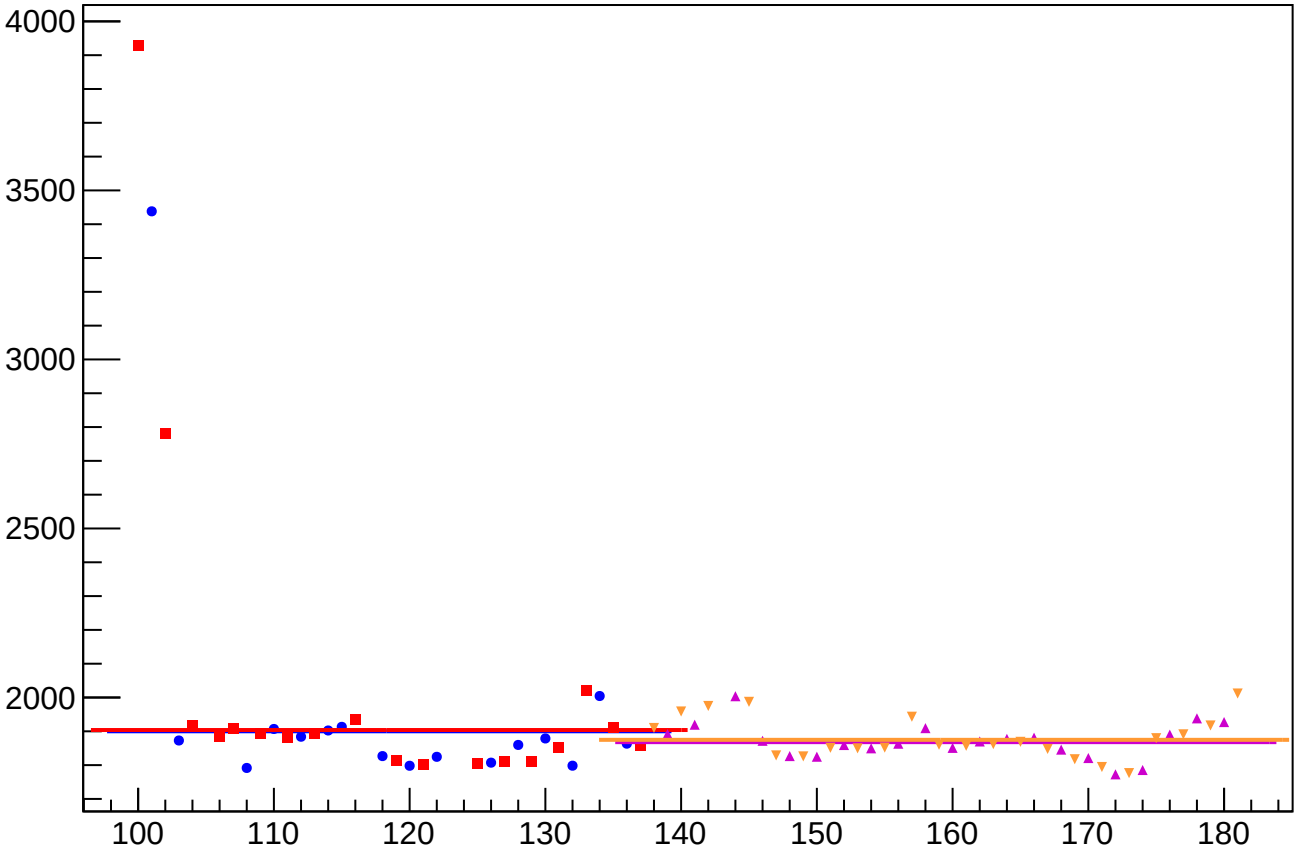
+ sign 5886.363+/-0.864 χ^2/NDF: 2475331.3/37

All: 5707.733+/-0.597 χ^2/NDF: 6408458.5/76

- sign 5544.215+/-0.826 χ^2/NDF: 3851224.1/38


eigen_dit_asym_us_avg_atlr_avg_avg_mean vs Slug
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
170
180
Right In: 5007.314+/-714.061 χ²/NDF: 7.7/15
Left Out: 3050.773+/-448.325 χ²/NDF:18.8/21
Right Out: -3989.192+/-719.024 χ²/NDF: 17.4/17
Left In: -4592.901+/-449.964 χ²/NDF:29.4/20
+ sign 3603.969+/-379.691 χ²/NDF: 31.9/37
All: -391.163+/-269.096 χ²/NDF: 301.5/76
- sign -4423.008+/-381.432 χ²/NDF: 47.2/38

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: 1874.812+/-0.317 χ^2/NDF:35258.9/21

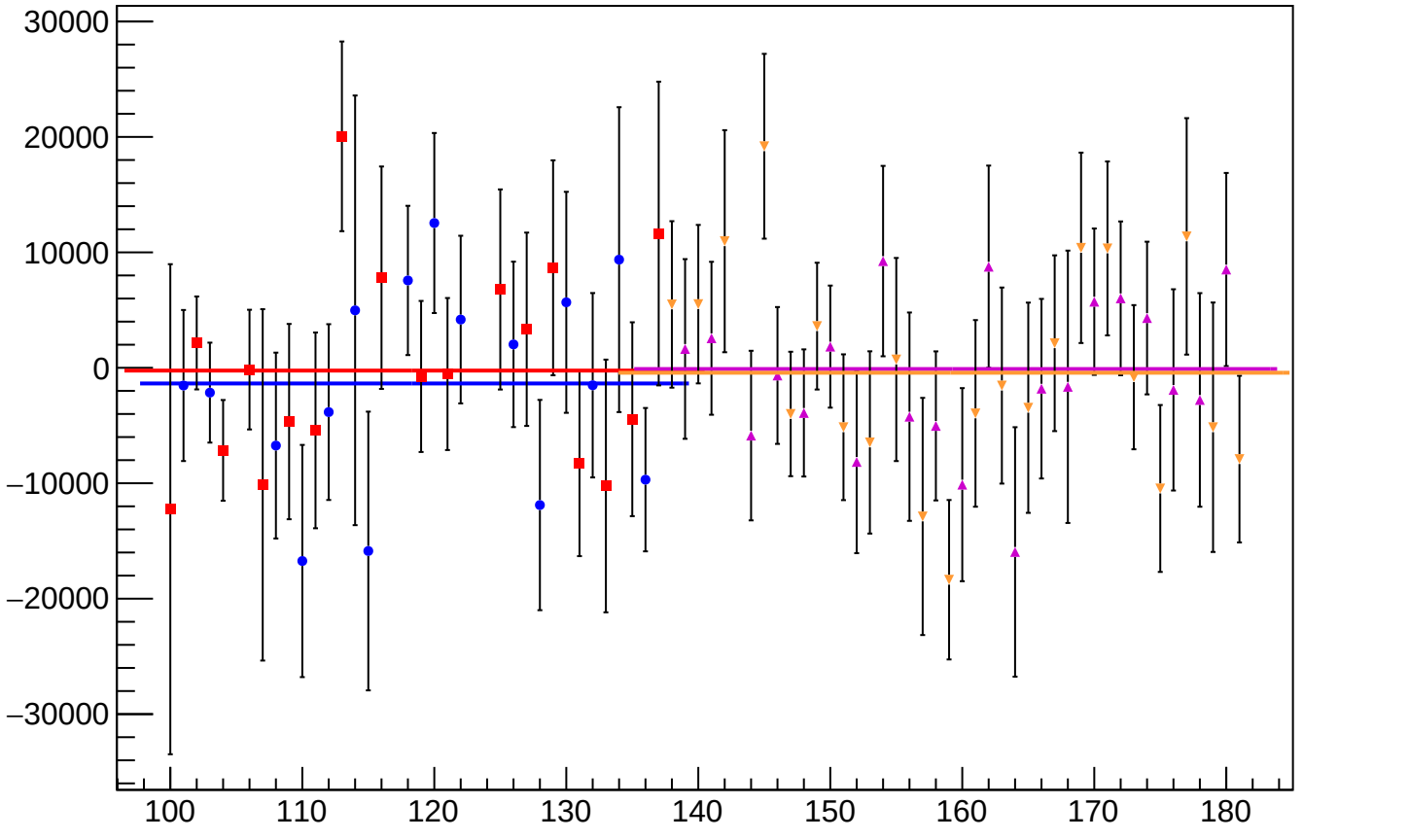
Right Out: 1903.826+/-0.508 χ^2/NDF: 150115.1/17

Left In: 1867.974+/-0.318 χ^2/NDF:26619.7/20

+ sign 1881.965+/-0.268 χ^2/NDF: 315508.0/37

All: 1880.031+/-0.190 χ^2/NDF: 495925.8/76

- sign 1878.079+/-0.270 χ^2/NDF: 180313.5/38



Right In: -1356.604+/-1895.985 χ^2/NDF: 14.7/15

Left Out: -427.807+/-1597.482 χ^2/NDF:27.9/21

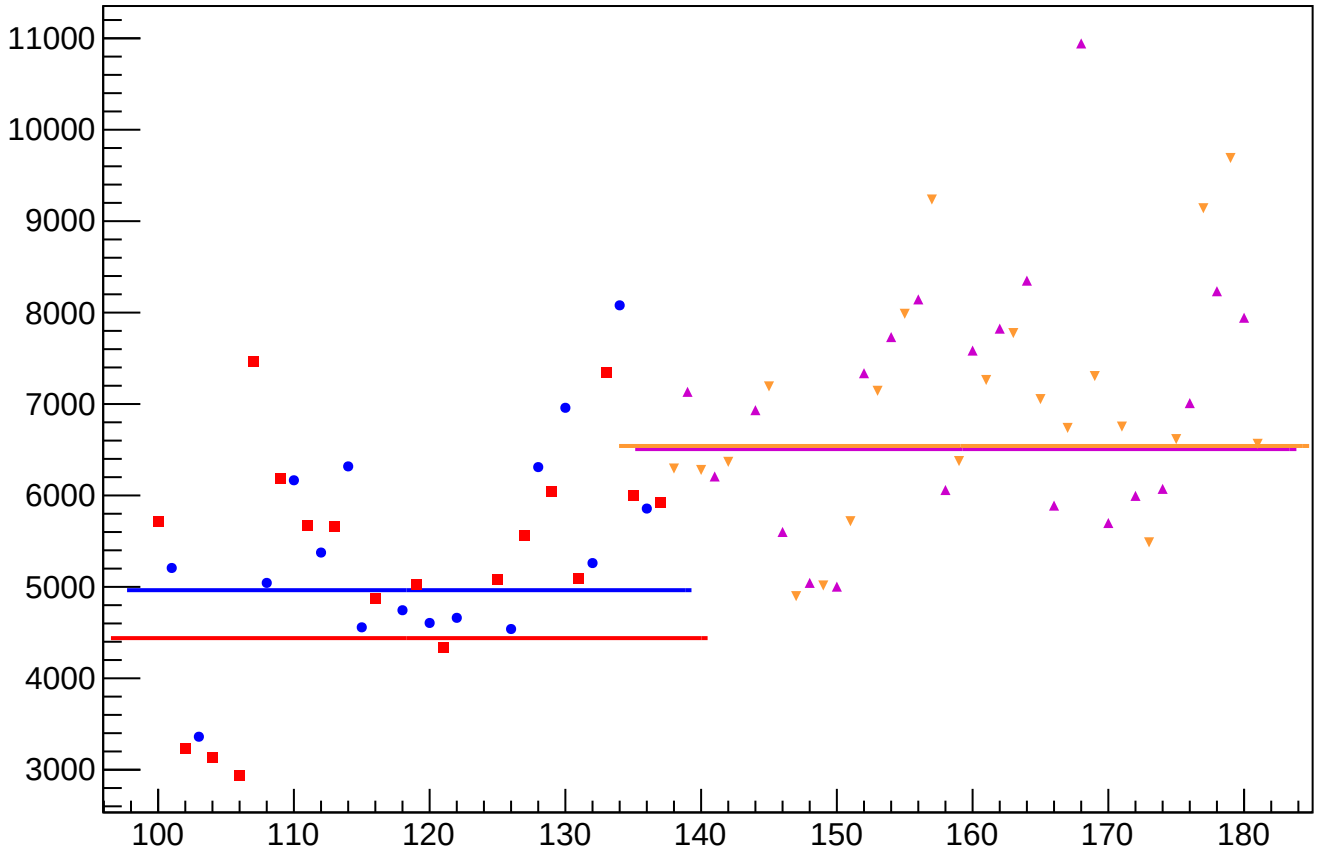
Right Out: -241.155+/-1712.677 χ^2/NDF: 15.7/17

Left In: -106.352+/-1599.127 χ^2/NDF:12.6/20

\+ sign -813.418+/-1221.658 χ^2/NDF: 42.8/37

All: -477.048+/-844.548 χ^2/NDF: 71.2/76

\- sign -169.137+/-1168.836 χ^2/NDF: 28.3/38



Right In: 4963.985+/-1.341 χ^2/NDF: 627379.5/15

Left Out: 6541.162+/-1.130 χ^2/NDF:1038610.1/21

Right Out: 4439.663+/-1.211 χ^2/NDF: 1158509.7/17

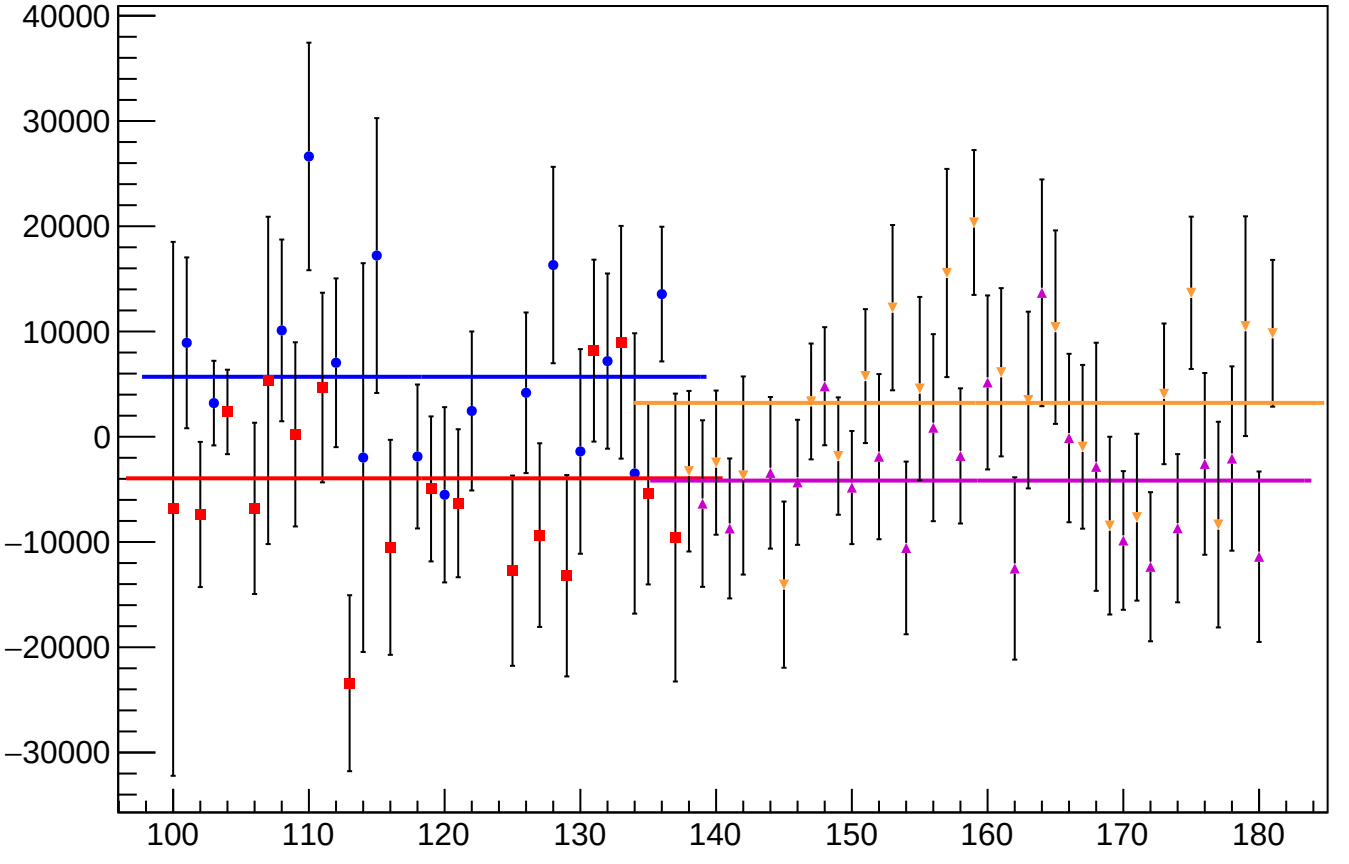
Left In: 6507.153+/-1.131 χ^2/NDF:1135685.1/20

+ sign 5886.361+/-0.864 χ^2/NDF: 2475361.9/37

All: 5707.729+/-0.597 χ^2/NDF: 6408527.0/76

- sign 5544.211+/-0.826 χ^2/NDF: 3851261.2/38

asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 5697.218+/-1959.214 χ^2/NDF: 12.6/15

Left Out: 3217.461+/-1608.921 χ^2/NDF:26.5/21

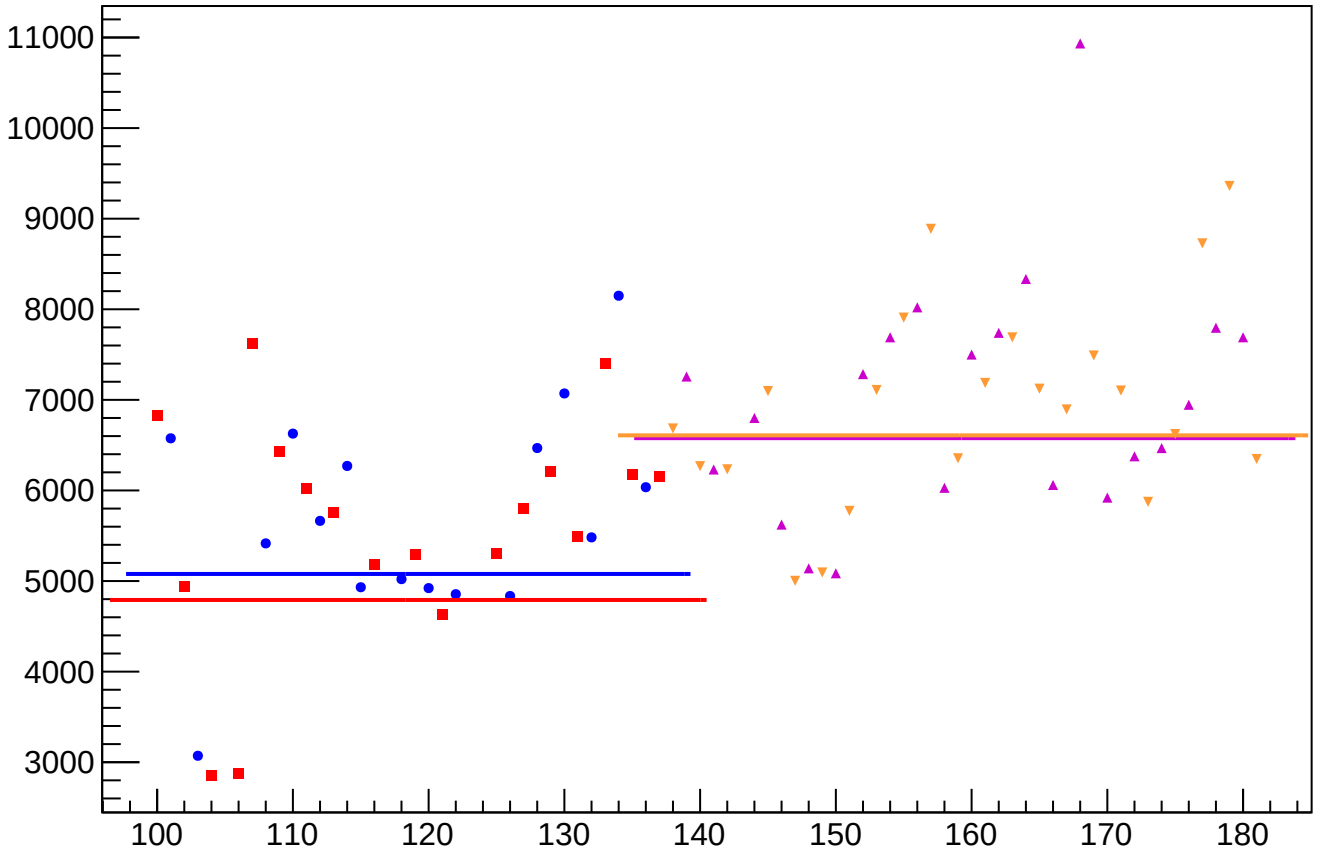
Right Out: -3949.394+/-1920.582 χ^2/NDF: 16.1/17

Left In: -4164.282+/-1611.871 χ^2/NDF:12.9/20

+ sign 4216.219+/-1243.390 χ^2/NDF: 40.1/37

All: 41.182+/-876.109 χ^2/NDF: 91.5/76

- sign -4075.476+/-1234.667 χ^2/NDF: 29.0/38



Right In: 5078.157+/-1.385 χ^2/NDF: 919209.4/15

Left Out: 6608.245+/-1.138 χ^2/NDF:872006.2/21

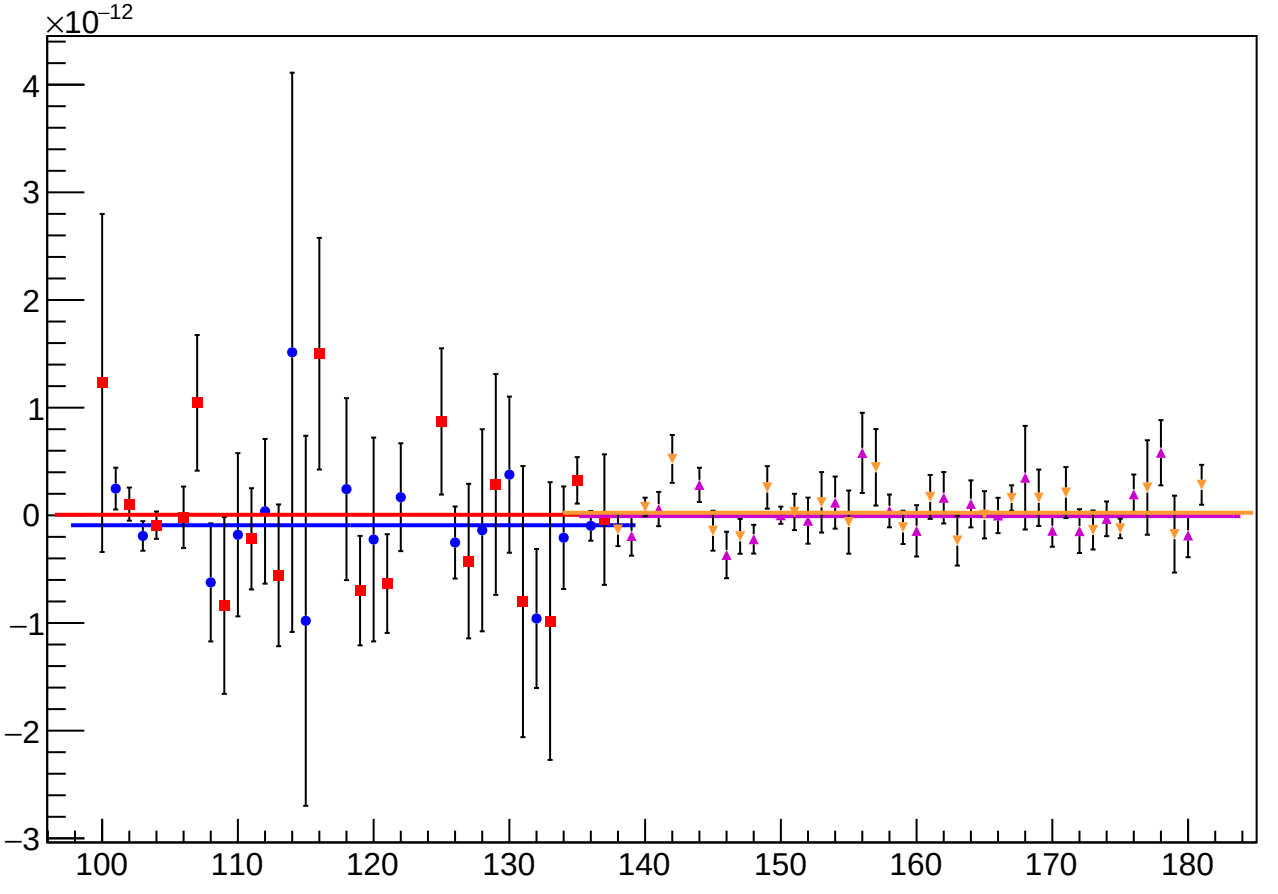
Right Out: 4791.154+/-1.331 χ^2/NDF: 1162455.3/17

Left In: 6577.289+/-1.140 χ^2/NDF:977481.2/20

+ sign 5991.968+/-0.879 χ^2/NDF: 2519755.8/37

All: 5905.384+/-0.617 χ^2/NDF: 5718024.5/76

- sign 5821.450+/-0.866 χ^2/NDF: 3179168.9/38



Right In: -0.000+/-0.000 χ^2/NDF: 8.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:22.9/21

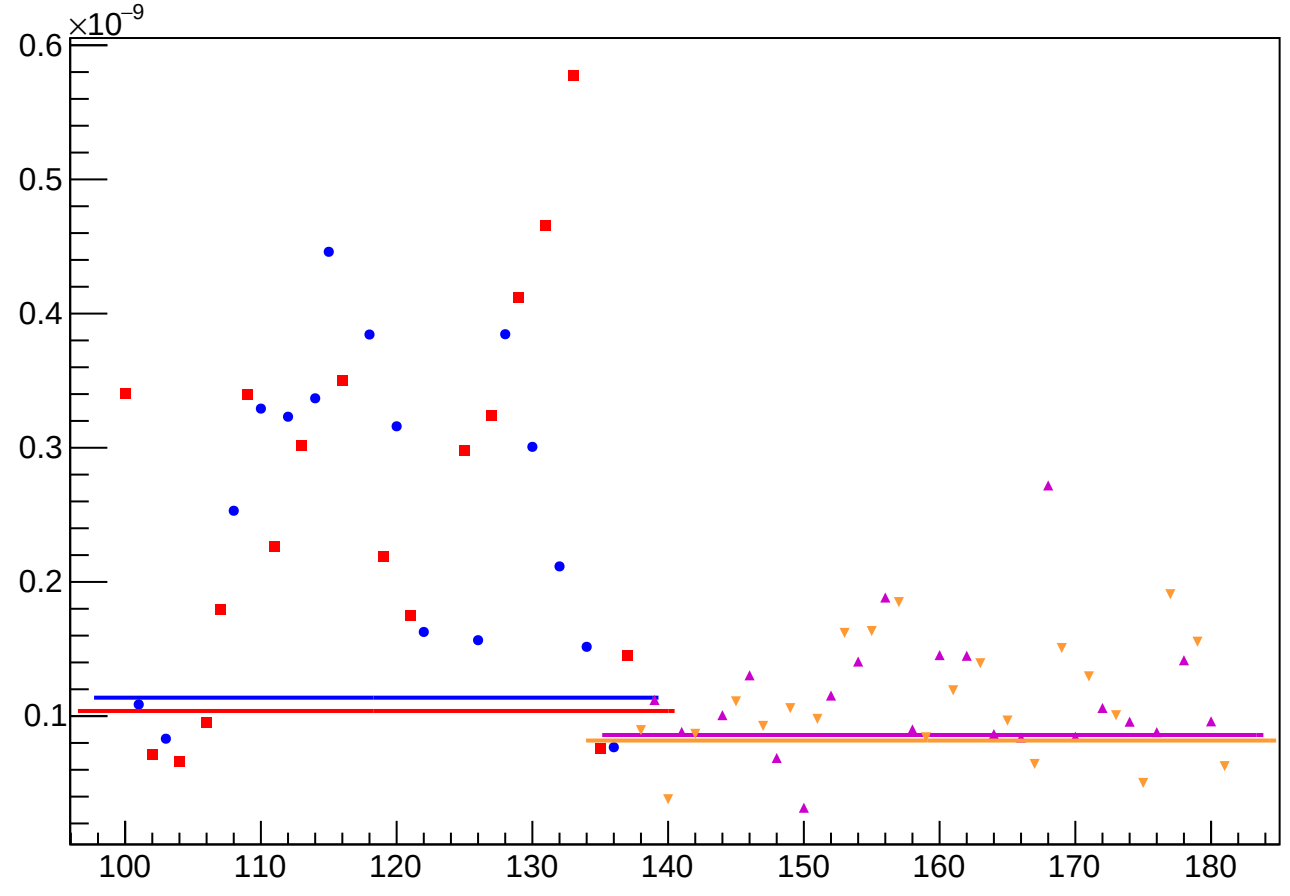
Right Out: 0.000+/-0.000 χ^2/NDF: 17.4/17

Left In: -0.000+/-0.000 χ^2/NDF:21.6/20

+ sign 0.000+/-0.000 χ^2/NDF: 32.9/37

All: -0.000+/-0.000 χ^2/NDF: 71.9/76

- sign -0.000+/-0.000 χ^2/NDF: 39.0/38



Right In: 0.000+/-0.000 χ^2/NDF: 1524807.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:2079987.3/21

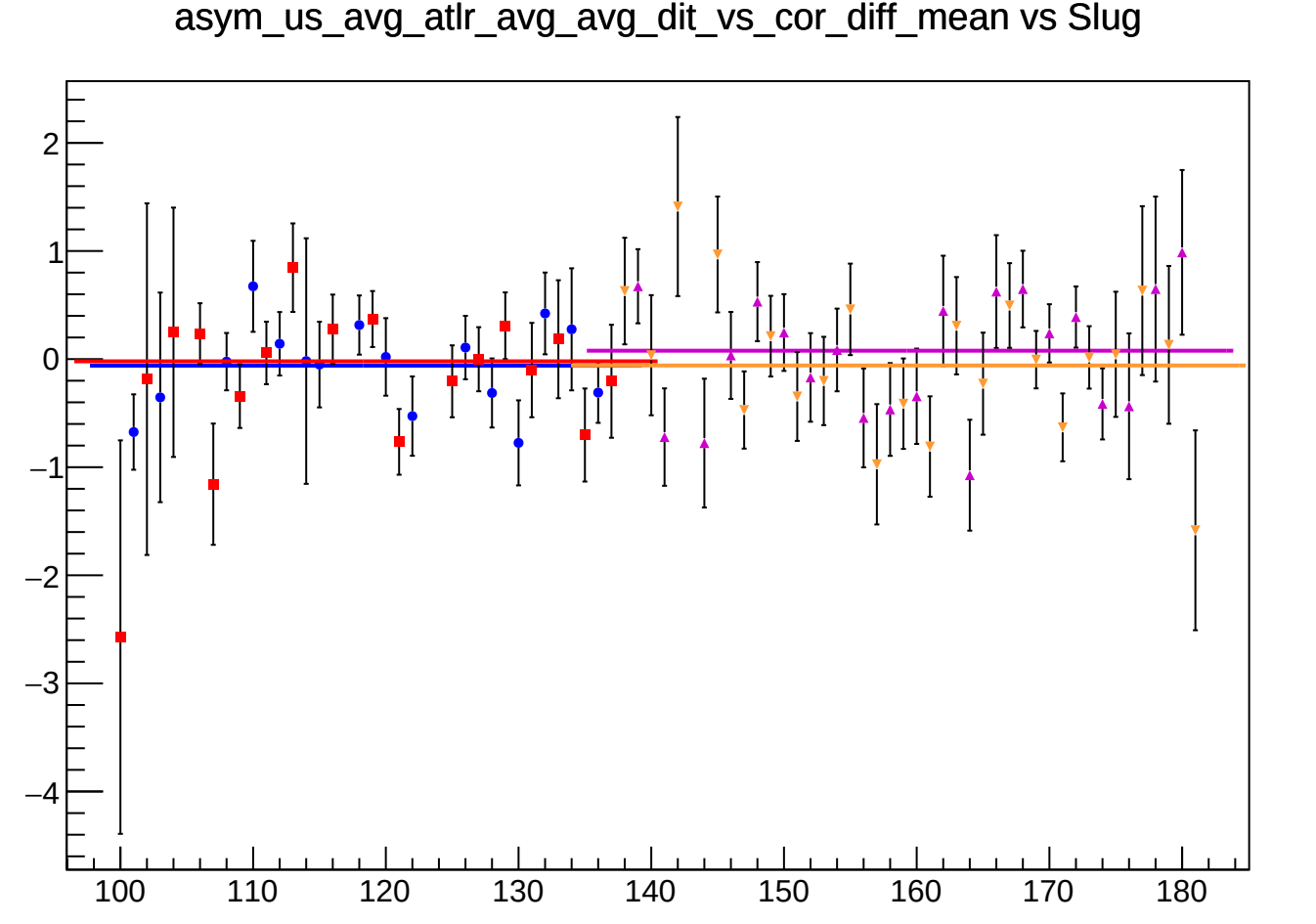
Right Out: 0.000+/-0.000 χ^2/NDF: 2087534.7/17

Left In: 0.000+/-0.000 χ^2/NDF:2036892.6/20

+ sign 0.000+/-0.000 χ^2/NDF: 3881988.1/37

All: 0.000+/-0.000 χ^2/NDF: 8096571.0/76

- sign 0.000+/-0.000 χ^2/NDF: 4211320.8/38



Right In: -0.060+/-0.089 χ^2/NDF: 17.3/15

Left Out: -0.059+/-0.092 χ^2/NDF:28.6/21

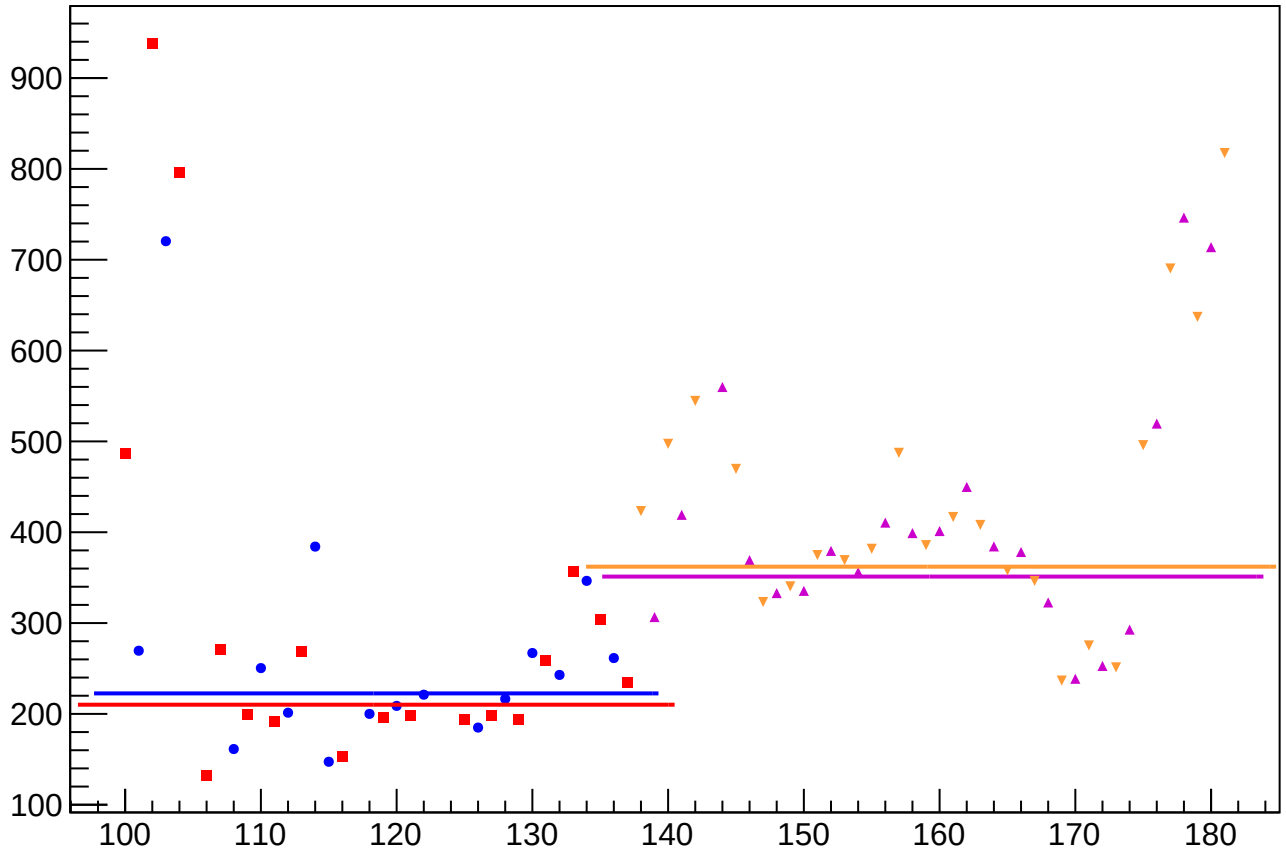
Right Out: -0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: 0.078+/-0.089 χ^2/NDF:30.2/20

+ sign -0.060+/-0.064 χ^2/NDF: 45.9/37

All: -0.015+/-0.045 χ^2/NDF: 103.9/76

- sign 0.028+/-0.062 χ^2/NDF: 57.0/38



Right In: 222.569+/-0.063 χ^2/NDF: 1018774.9/15

Left Out: 362.081+/-0.065 χ^2/NDF:2645906.9/21

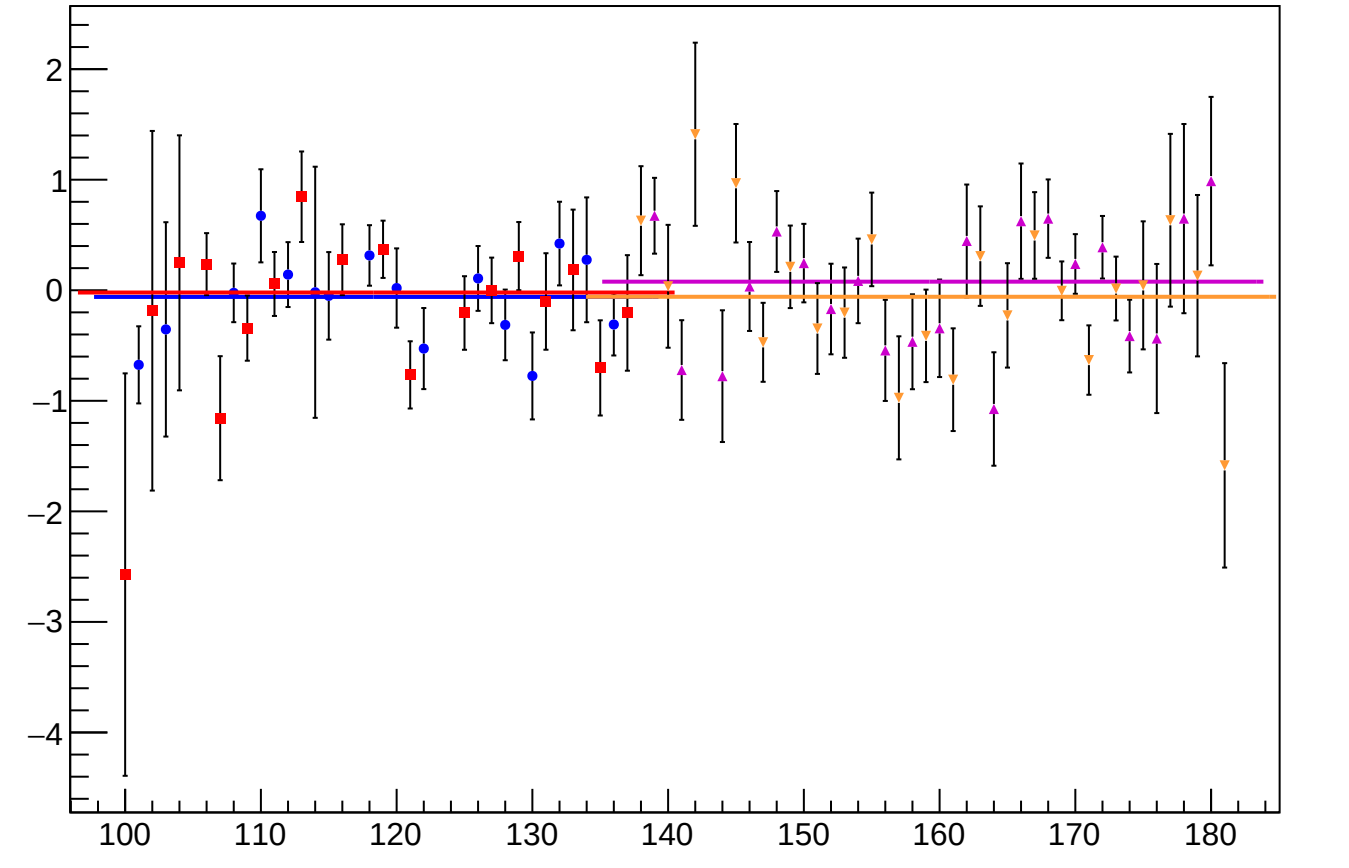
Right Out: 210.123+/-0.062 χ^2/NDF: 1548526.4/17

Left In: 351.180+/-0.063 χ^2/NDF:2189885.8/20

+ sign 289.789+/-0.045 χ^2/NDF: 6050888.7/37

All: 284.438+/-0.032 χ^2/NDF: 12370738.5/76

- sign 279.322+/-0.044 χ^2/NDF: 6292346.8/38



Right In: -0.060+/-0.089 χ^2/NDF: 17.3/15

Left Out: -0.059+/-0.092 χ^2/NDF:28.6/21

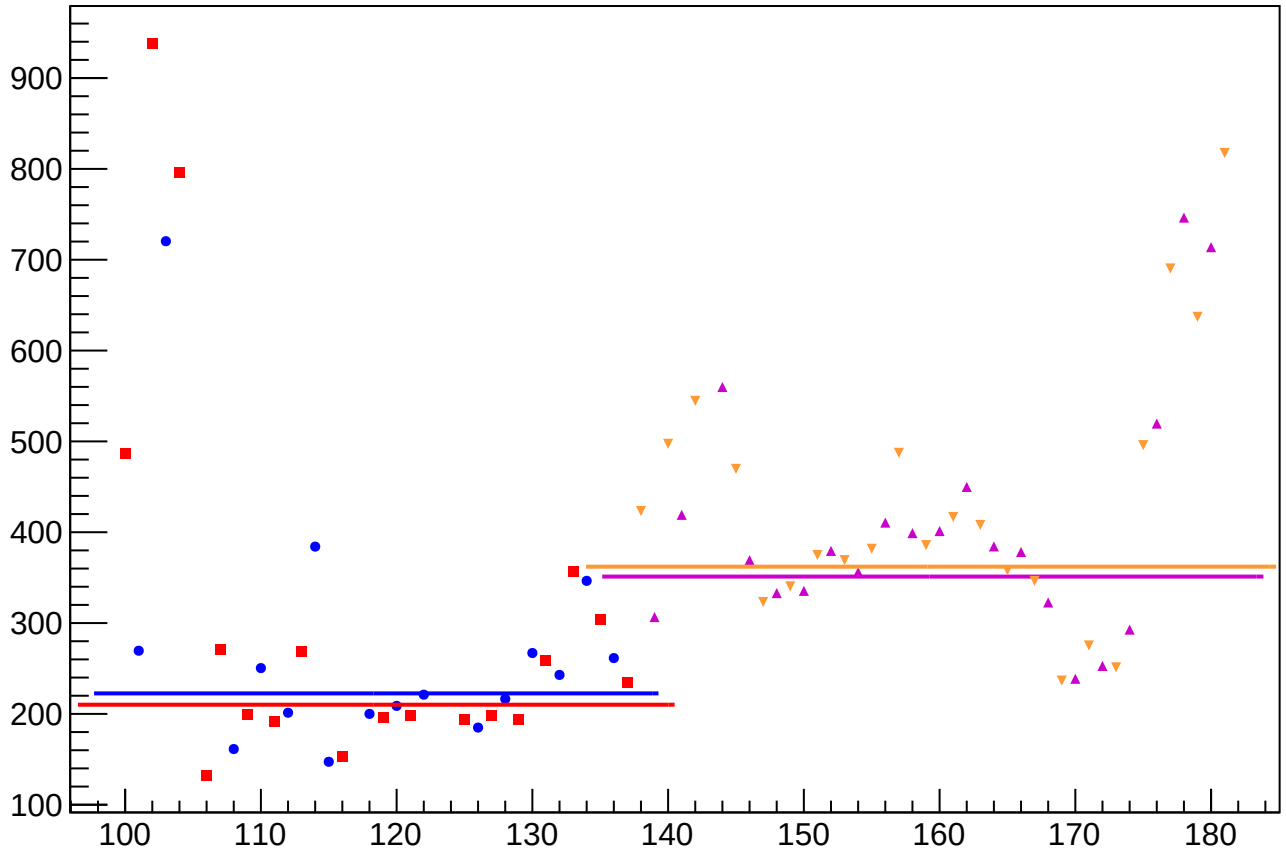
Right Out: -0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: 0.078+/-0.089 χ^2/NDF:30.2/20

+ sign -0.060+/-0.064 χ^2/NDF: 45.9/37

All: -0.015+/-0.045 χ^2/NDF: 103.9/76

- sign 0.028+/-0.062 χ^2/NDF: 57.0/38



Right In: 222.569+/-0.063 χ^2/NDF: 1018774.9/15

Left Out: 362.081+/-0.065 χ^2/NDF:2645906.9/21

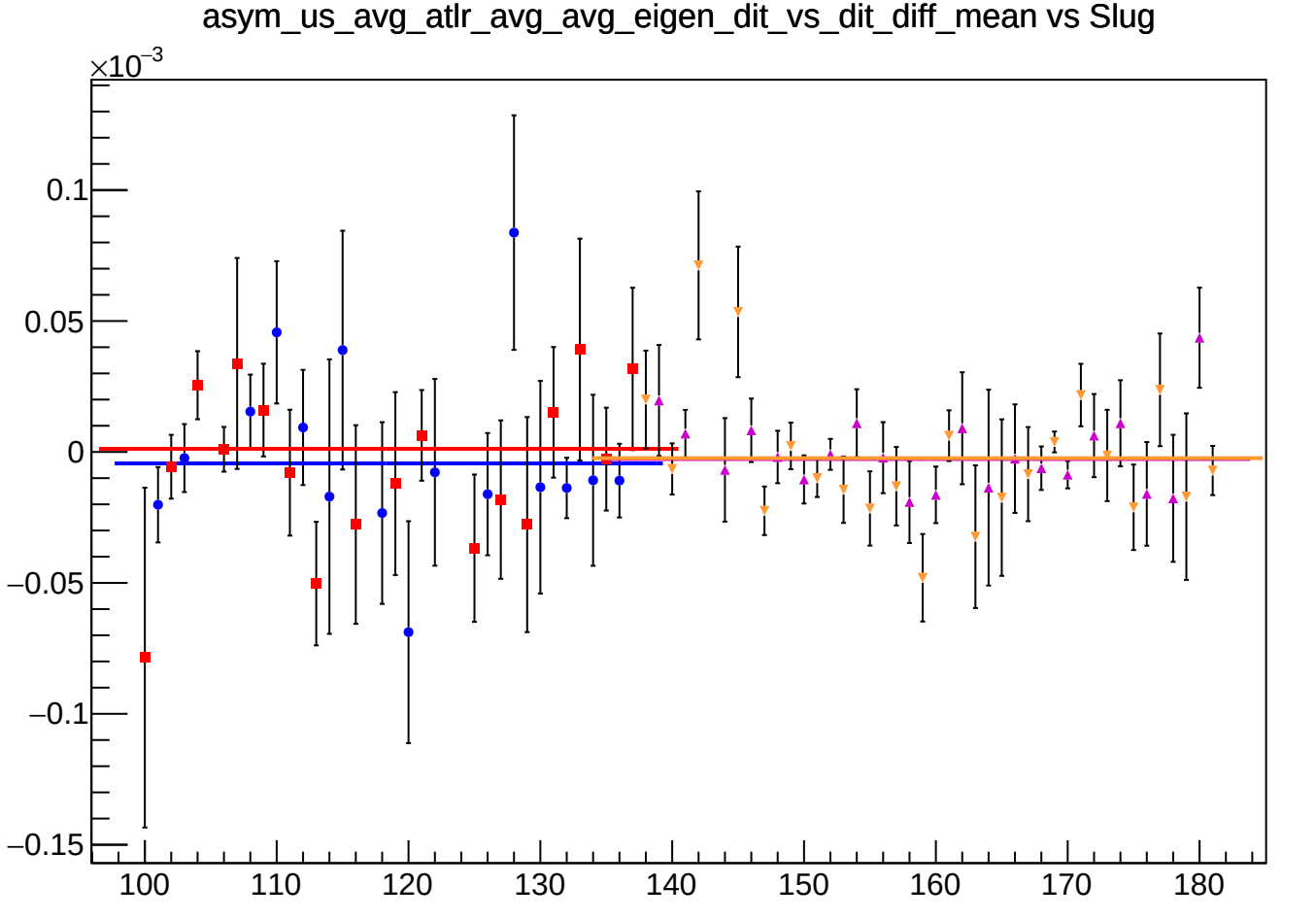
Right Out: 210.123+/-0.062 χ^2/NDF: 1548526.4/17

Left In: 351.180+/-0.063 χ^2/NDF:2189885.8/20

+ sign 289.789+/-0.045 χ^2/NDF: 6050888.7/37

All: 284.438+/-0.032 χ^2/NDF: 12370738.5/76

- sign 279.322+/-0.044 χ^2/NDF: 6292346.8/38



Right In: -0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:42.4/21

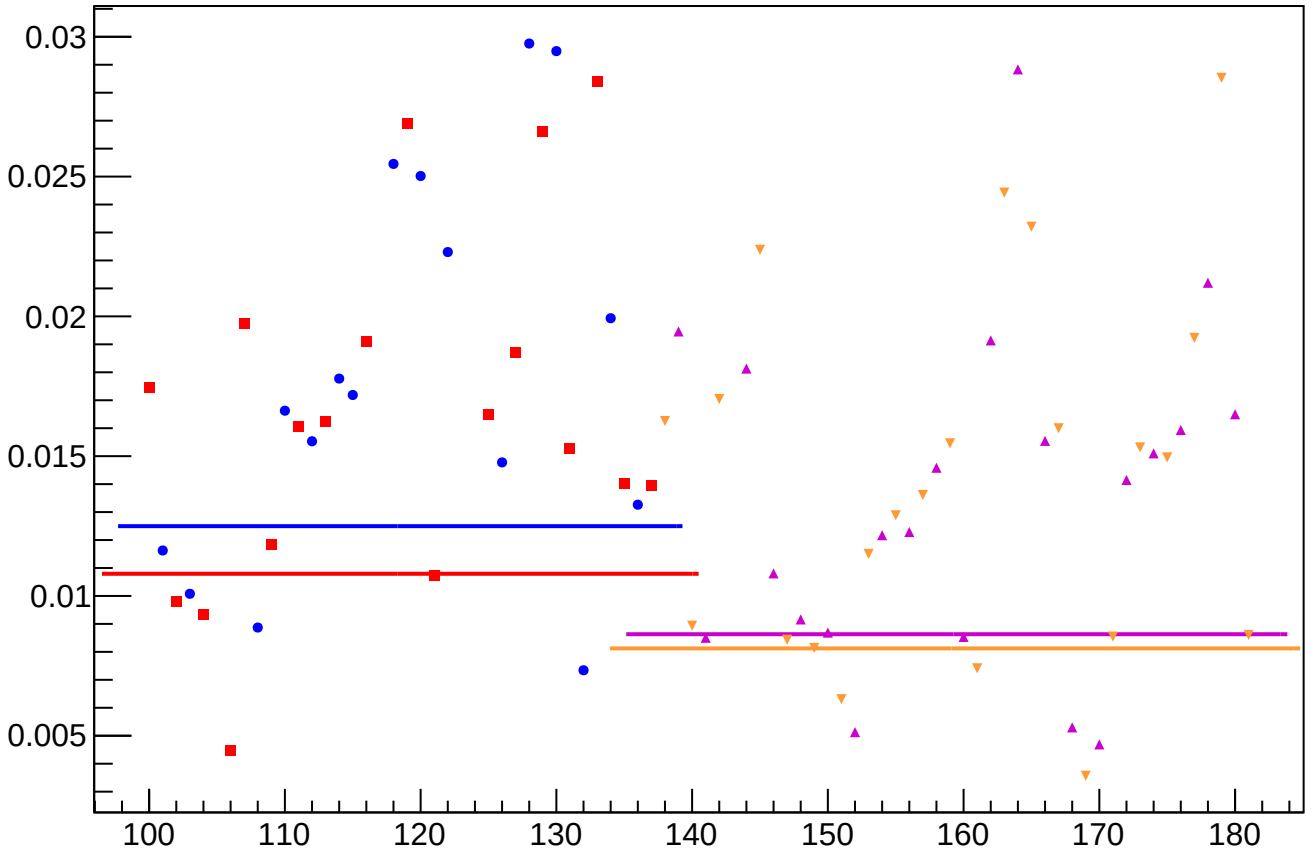
Right Out: 0.000+/-0.000 χ^2/NDF: 17.2/17

Left In: -0.000+/-0.000 χ^2/NDF:17.4/20

+ sign -0.000+/-0.000 χ^2/NDF: 58.1/37

All: -0.000+/-0.000 χ^2/NDF: 93.4/76

- sign -0.000+/-0.000 χ^2/NDF: 35.2/38



Right In: 0.012+/-0.000 χ^2/NDF: 2114968.1/15

Left Out: 0.008+/-0.000 χ^2/NDF:8696583.4/21

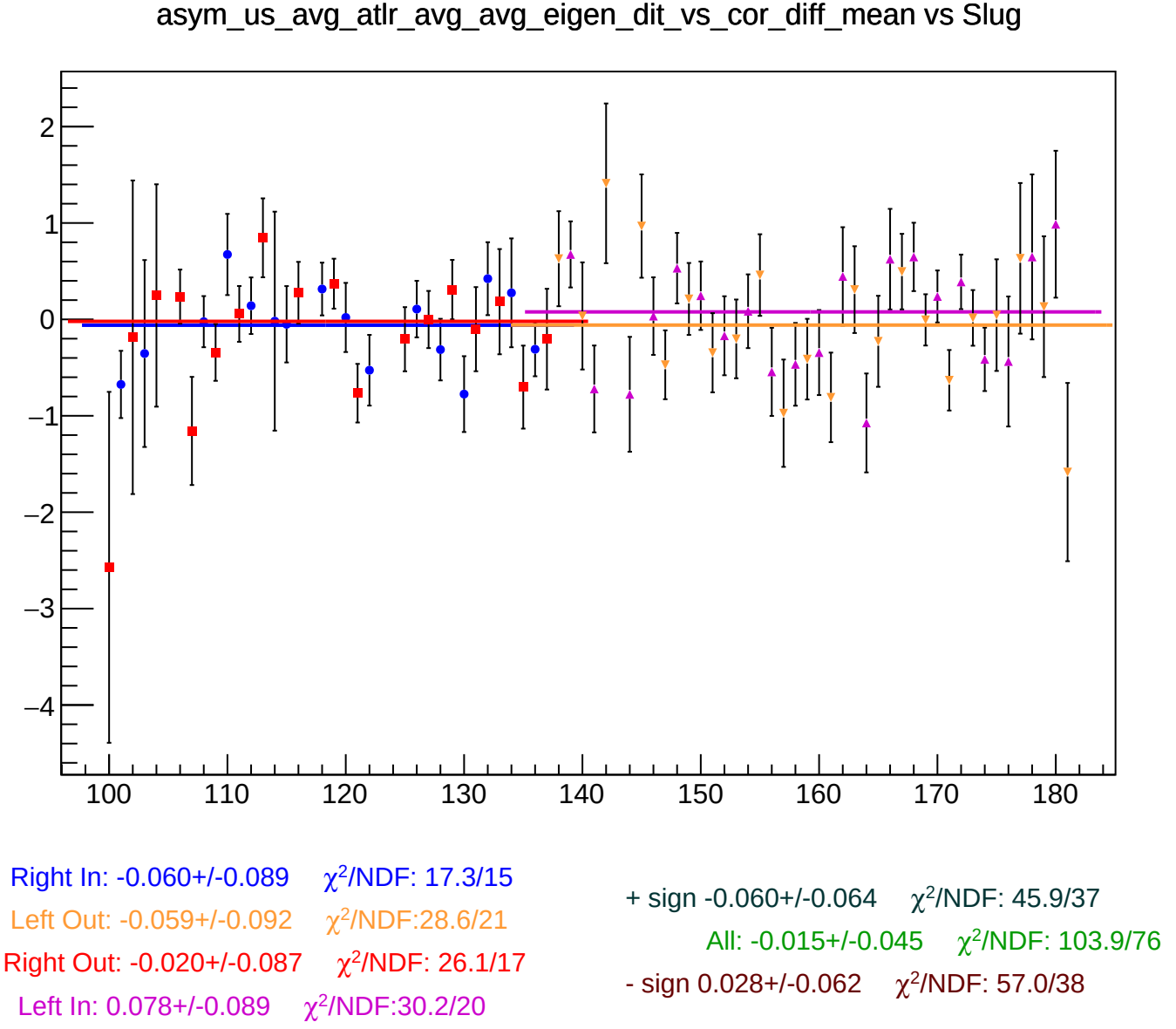
Right Out: 0.011+/-0.000 χ^2/NDF: 2987826.3/17

Left In: 0.009+/-0.000 χ^2/NDF:6791354.0/20

+ sign 0.009+/-0.000 χ^2/NDF: 12036850.8/37

All: 0.009+/-0.000 χ^2/NDF: 22175027.3/76

- sign 0.009+/-0.000 χ^2/NDF: 10126254.4/38


asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug
2
1
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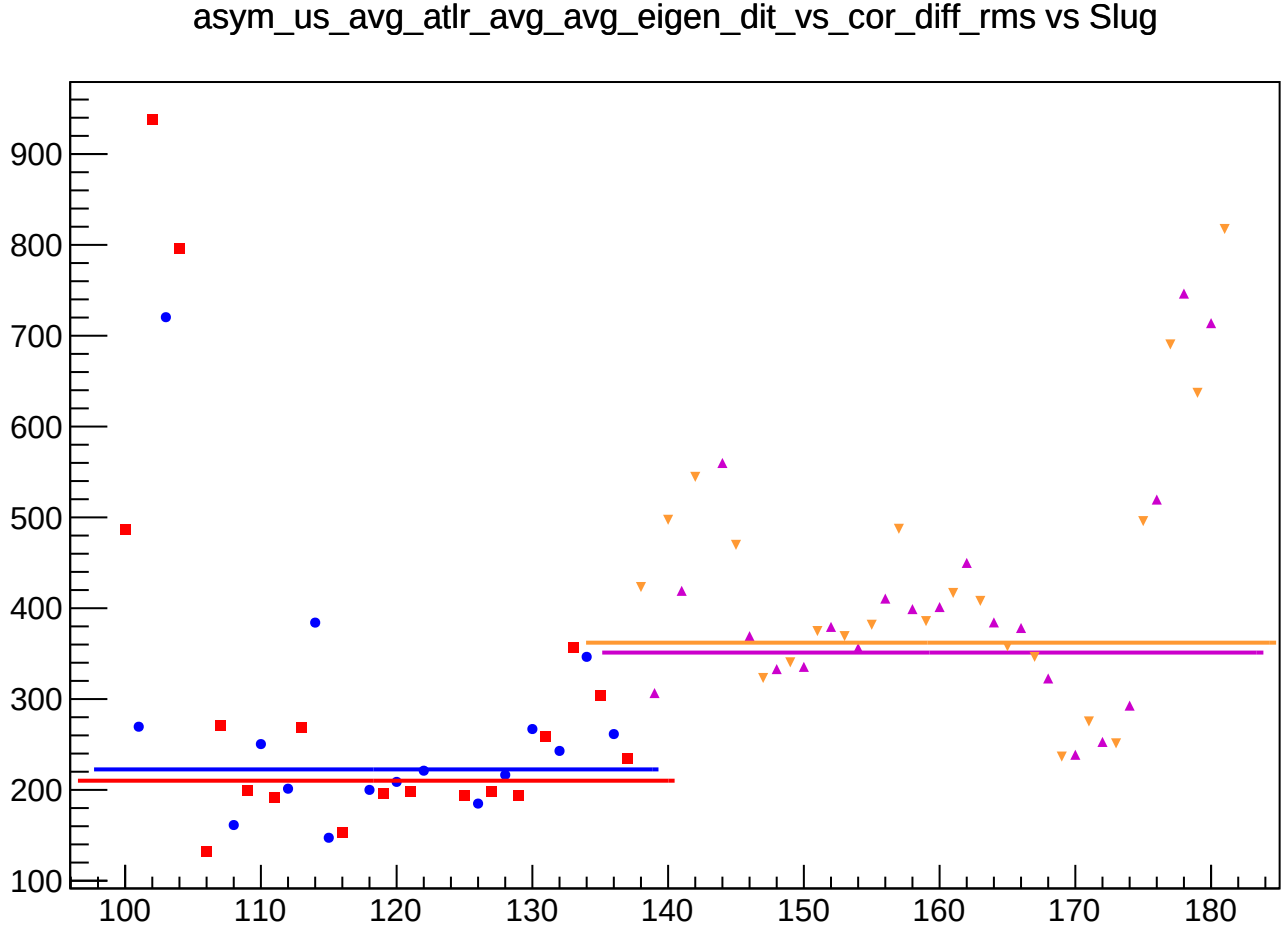
−2
−3
−4
100
110
120
130
140
150
160
170
180
Right In: -0.060+/-0.089 χ²/NDF: 17.3/15
Left Out: -0.059+/-0.092 χ²/NDF:28.6/21
Right Out: -0.020+/-0.087 χ²/NDF: 26.1/17
Left In: 0.078+/-0.089 χ²/NDF:30.2/20
+ sign -0.060+/-0.064 χ²/NDF: 45.9/37
All: -0.015+/-0.045 χ²/NDF: 103.9/76
- sign 0.028+/-0.062 χ²/NDF: 57.0/38


asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug
900
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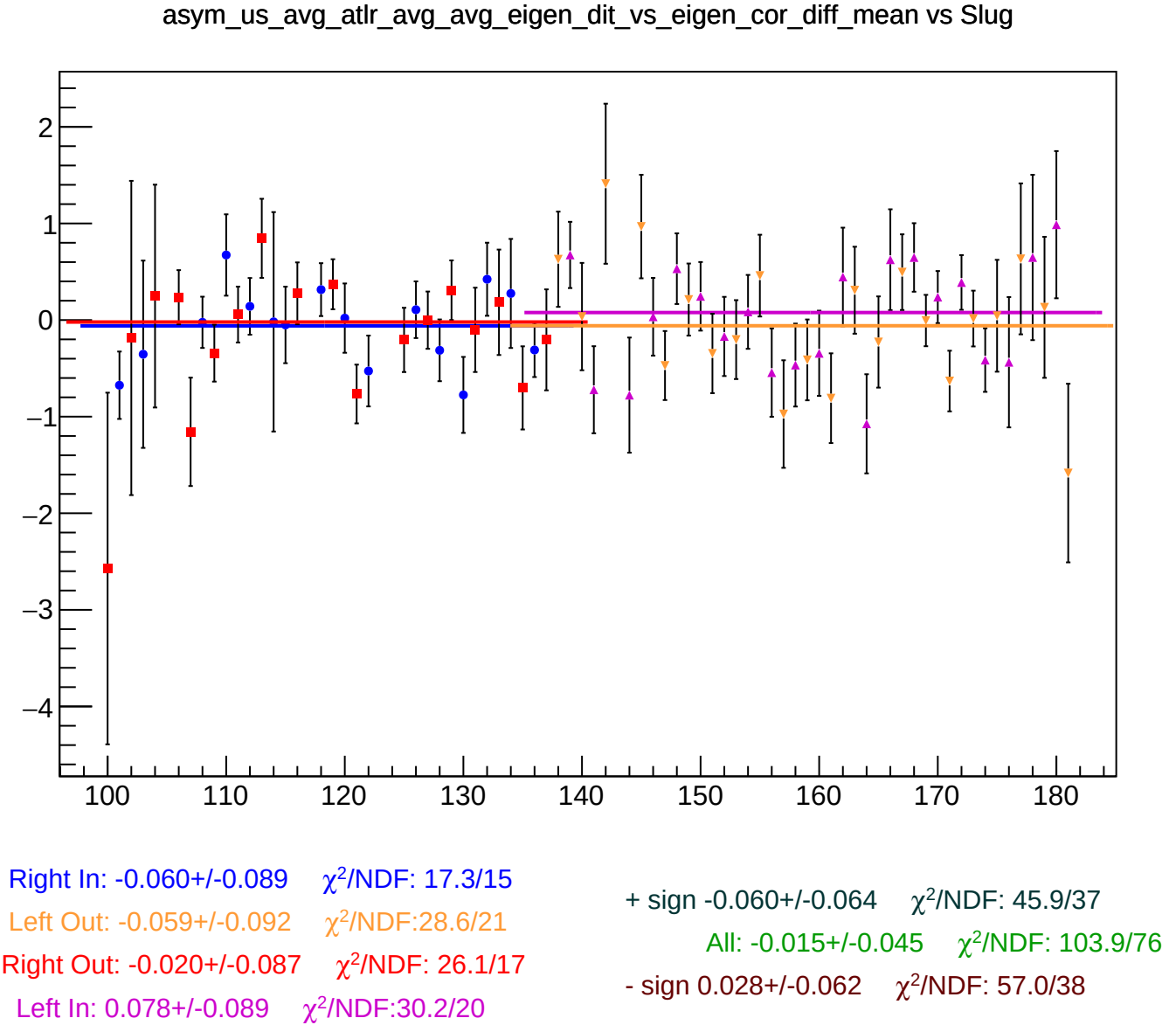
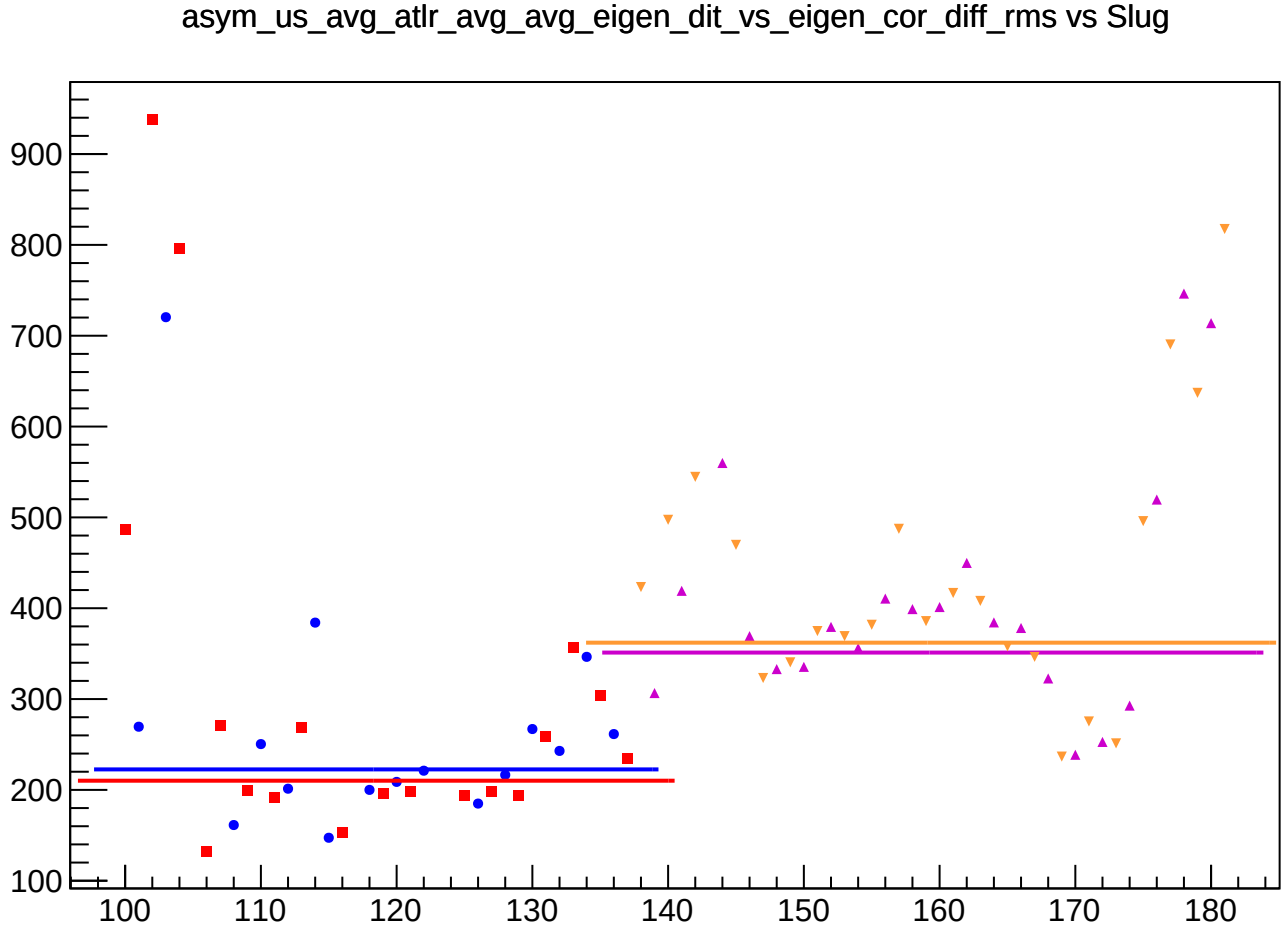
100
110
120
130
140
150
160
170
180
Right In: 222.567+/-0.063 χ²/NDF: 1018760.3/15
Left Out: 362.082+/-0.065 χ²/NDF:2646120.7/21
Right Out: 210.120+/-0.062 χ²/NDF: 1548507.5/17
Left In: 351.181+/-0.063 χ²/NDF:2190047.9/20
+ sign 289.787+/-0.045 χ²/NDF: 6051164.1/37
All: 284.436+/-0.032 χ²/NDF: 12371319.5/76
- sign 279.320+/-0.044 χ²/NDF: 6292650.5/38


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: -0.059+/-0.092 χ²/NDF:28.6/21
Right Out: -0.020+/-0.087 χ²/NDF: 26.1/17
Left In: 0.078+/-0.089 χ²/NDF:30.2/20
+ sign -0.060+/-0.064 χ²/NDF: 45.9/37
All: -0.015+/-0.045 χ²/NDF: 103.9/76
- sign 0.028+/-0.062 χ²/NDF: 57.0/38



Right In: 222.567+/-0.063 χ^2/NDF: 1018760.3/15

Left Out: 362.082+/-0.065 χ^2/NDF:2646120.7/21

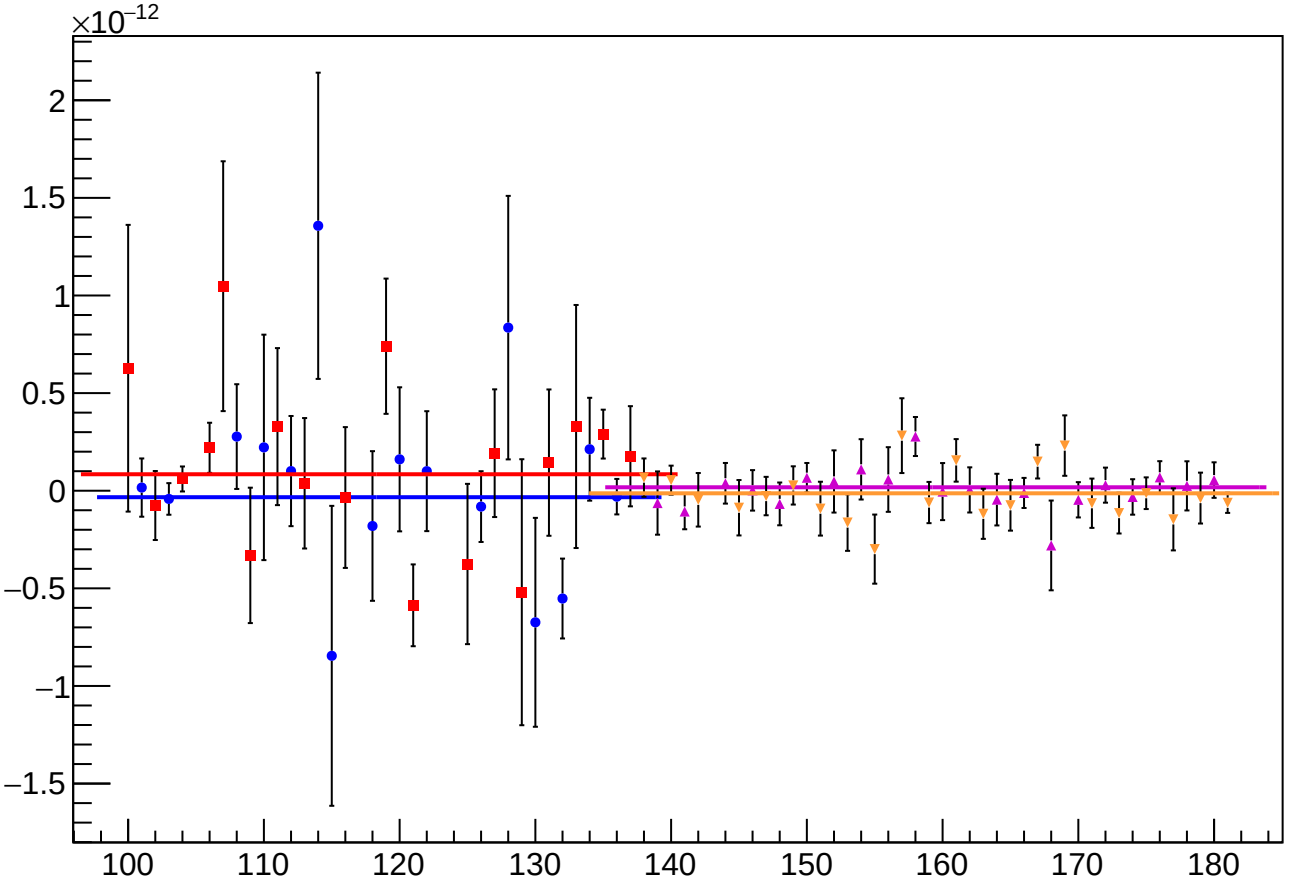
Right Out: 210.120+/-0.062 χ^2/NDF: 1548507.5/17

Left In: 351.181+/-0.063 χ^2/NDF:2190047.9/20

+ sign 289.787+/-0.045 χ^2/NDF: 6051164.1/37

All: 284.436+/-0.032 χ^2/NDF: 12371319.5/76

- sign 279.320+/-0.044 χ^2/NDF: 6292650.5/38



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.6/21

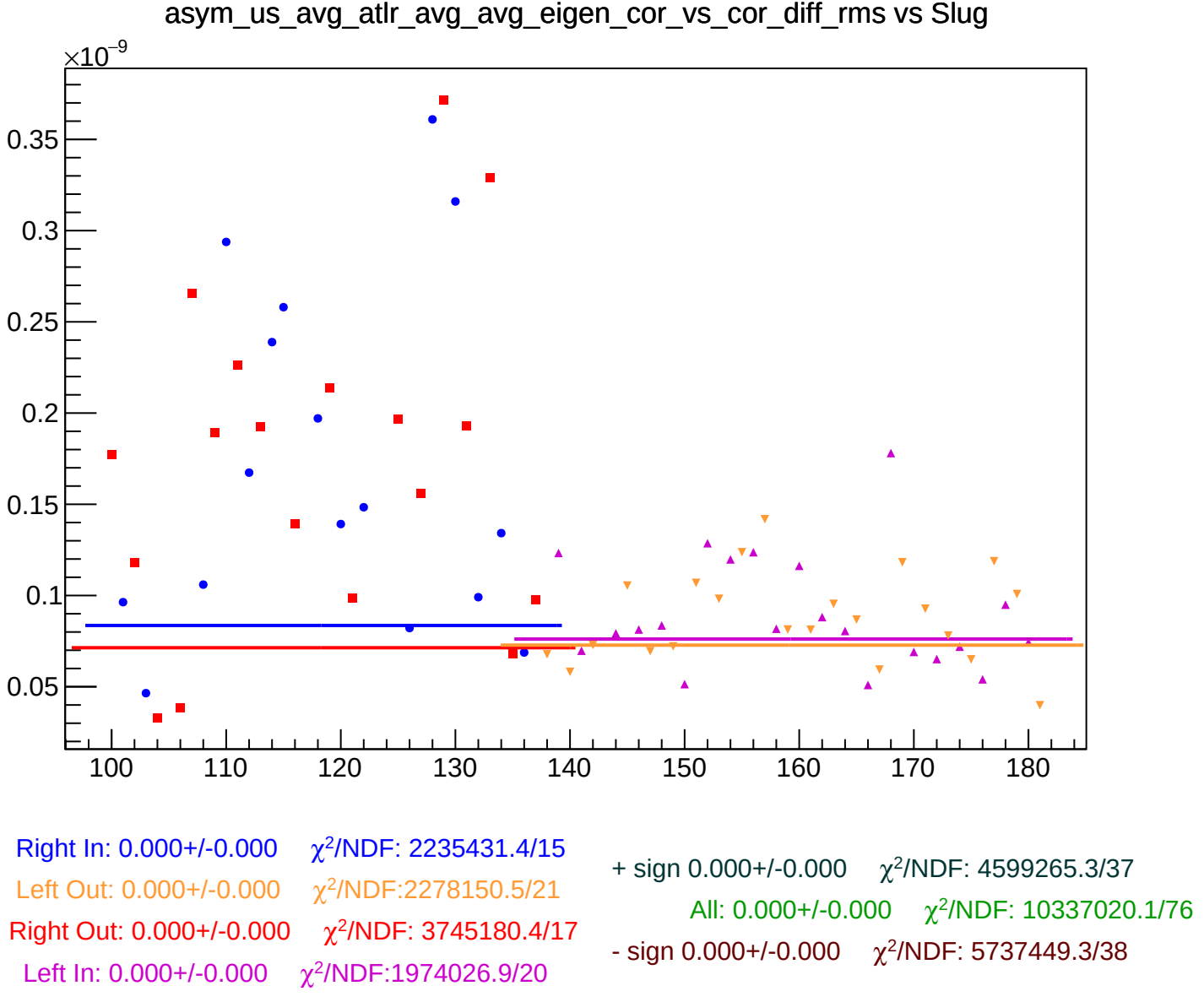
Right Out: 0.000+/-0.000 χ^2/NDF: 25.8/17

Left In: 0.000+/-0.000 χ^2/NDF:13.9/20

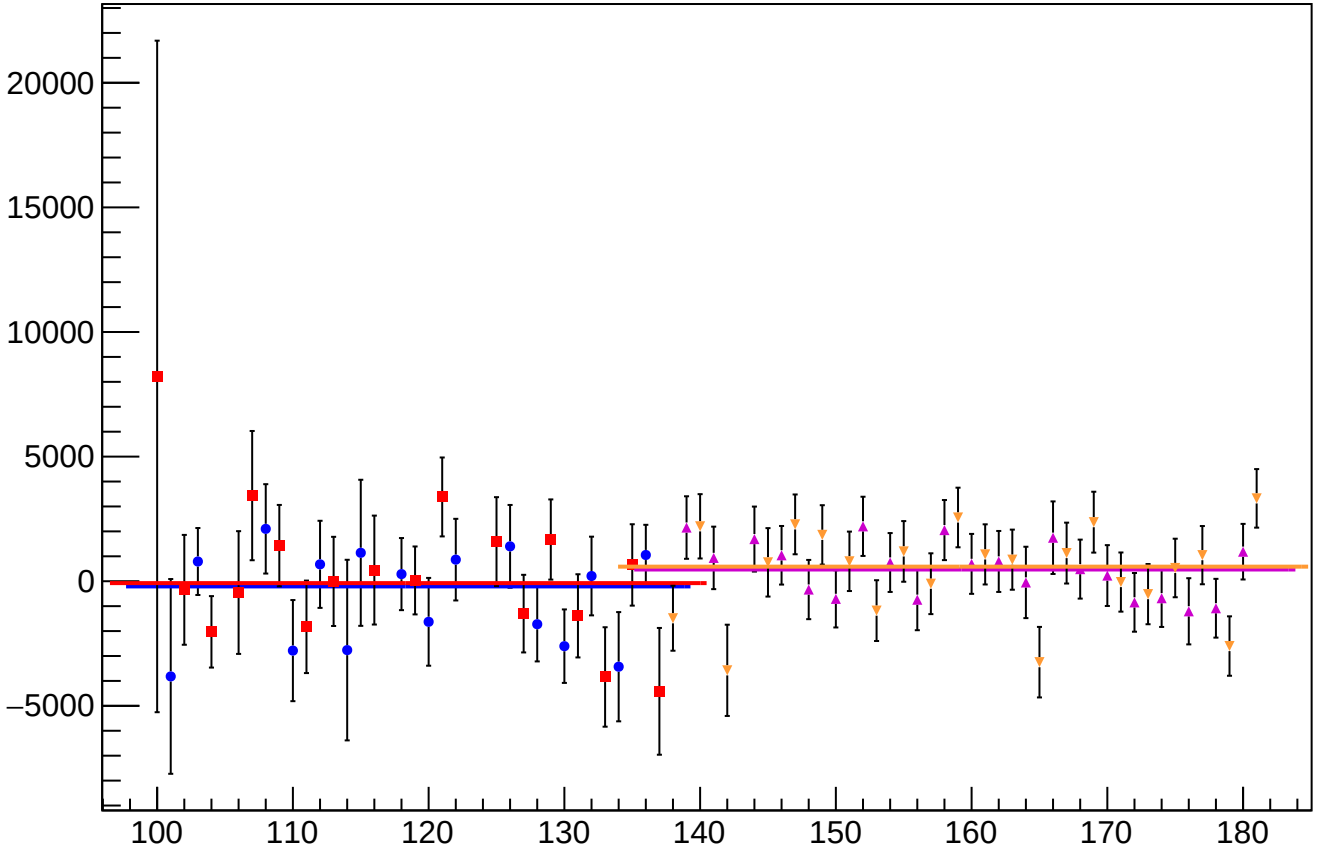
+ sign -0.000+/-0.000 χ^2/NDF: 38.0/37

All: 0.000+/-0.000 χ^2/NDF: 82.4/76

- sign 0.000+/-0.000 χ^2/NDF: 41.5/38


asym_us_avg_atlr_avg_avg_eigen_cor_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: 2235431.4/15
Left Out: 0.000+/-0.000 χ²/NDF:2278150.5/21
Right Out: 0.000+/-0.000 χ²/NDF: 3745180.4/17
Left In: 0.000+/-0.000 χ²/NDF:1974026.9/20
+ sign 0.000+/-0.000 χ²/NDF: 4599265.3/37
All: 0.000+/-0.000 χ²/NDF: 10337020.1/76
- sign 0.000+/-0.000 χ²/NDF: 5737449.3/38

reg_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -208.338+/-429.155 χ^2/NDF: 14.8/15

Left Out: 584.911+/-264.114 χ^2/NDF:41.6/21

Right Out: -75.616+/-430.760 χ^2/NDF: 20.7/17

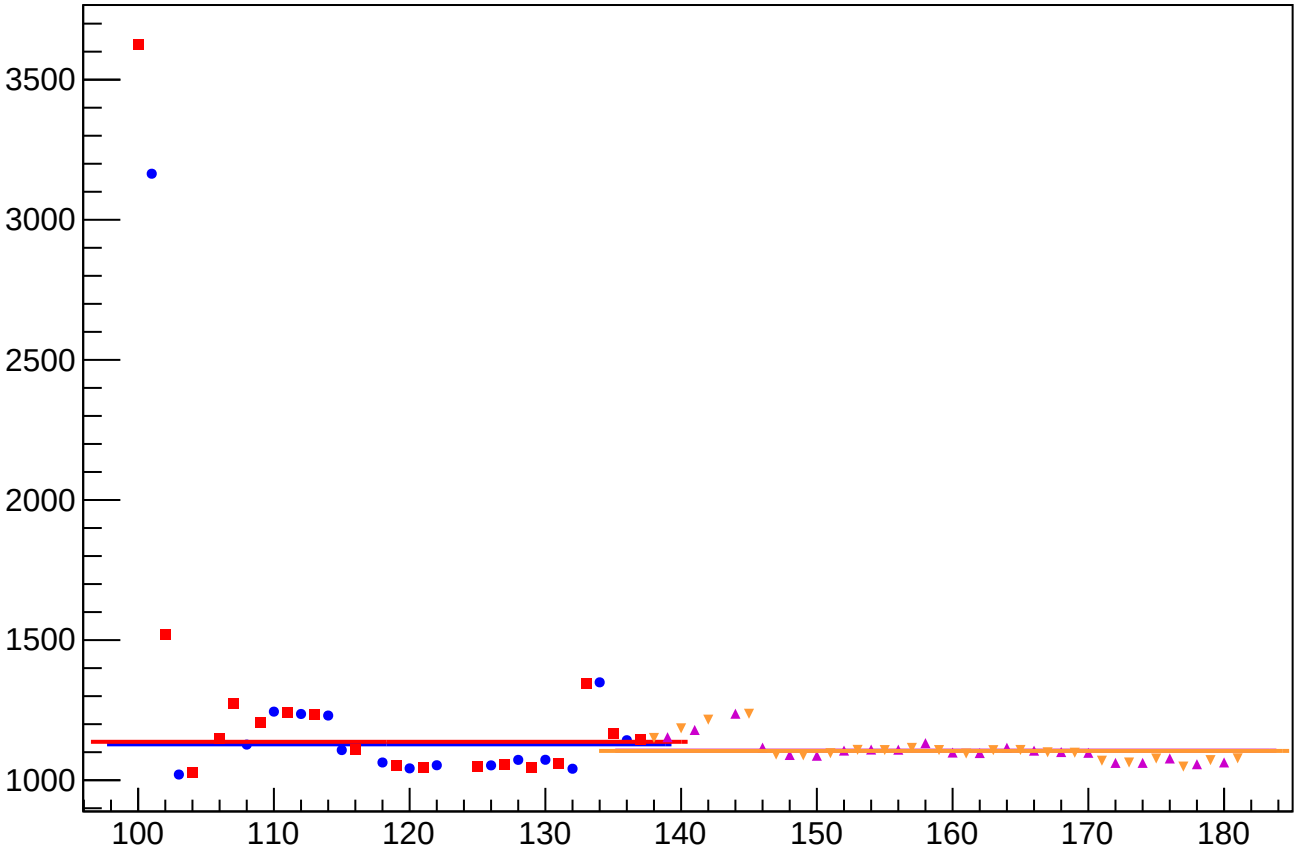
Left In: 470.491+/-266.323 χ^2/NDF:16.5/20

\+ sign 366.999+/-224.931 χ^2/NDF: 58.8/37

All: 343.402+/-159.611 χ^2/NDF: 97.1/76

\- sign 319.469+/-226.525 χ^2/NDF: 38.3/38

reg_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1128.007+/-0.303 χ^2/NDF: 621394.5/15

Left Out: 1104.522+/-0.187 χ^2/NDF:49740.7/21

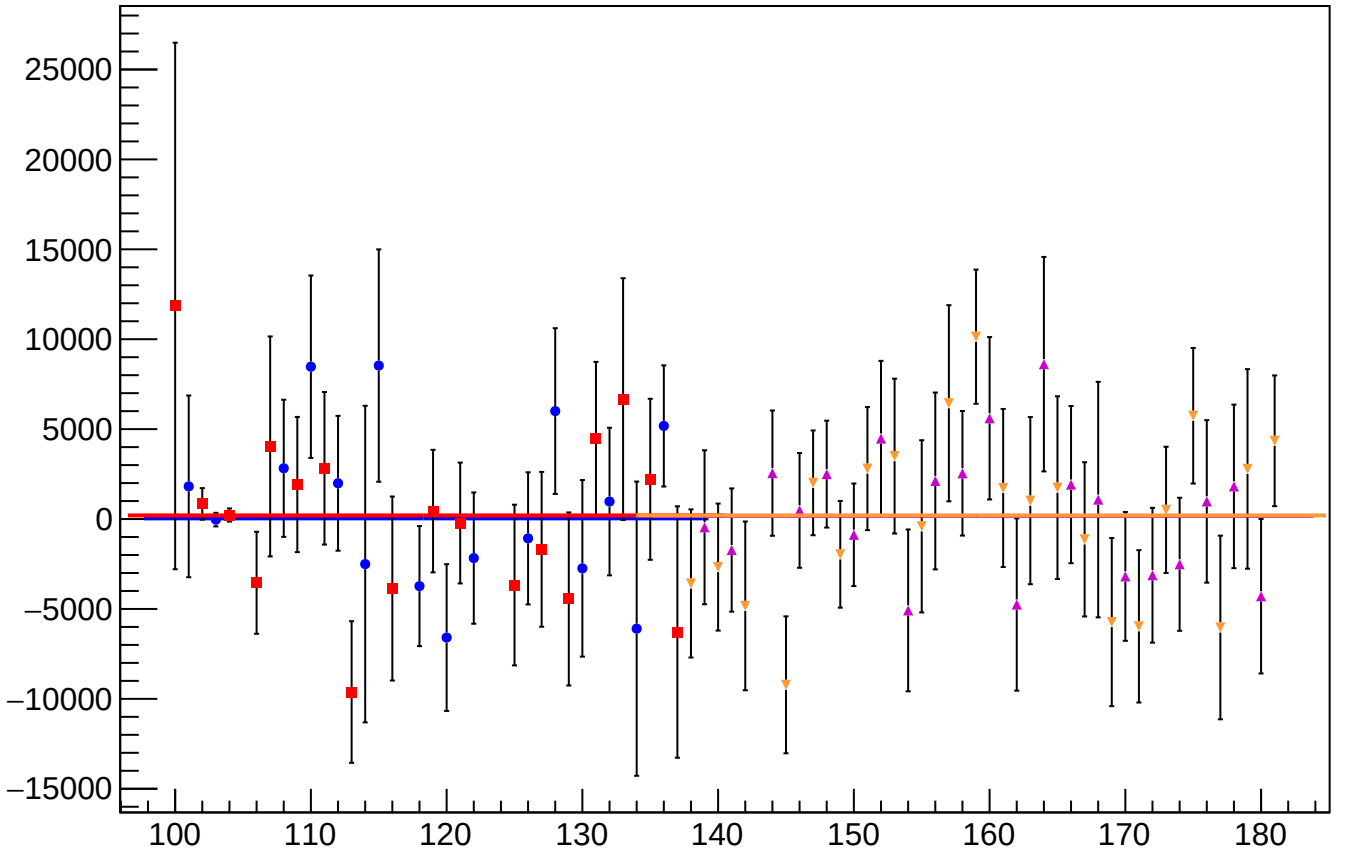
Right Out: 1137.041+/-0.304 χ^2/NDF: 220086.1/17

Left In: 1105.497+/-0.188 χ^2/NDF:45419.5/20

+ sign 1110.974+/-0.159 χ^2/NDF: 675479.3/37

All: 1112.598+/-0.113 χ^2/NDF: 948974.3/76

- sign 1114.243+/-0.160 χ^2/NDF: 273285.0/38



Right In: 38.300+/-357.651 χ^2/NDF: 14.8/15

Left Out: 199.718+/-856.236 χ^2/NDF:28.5/21

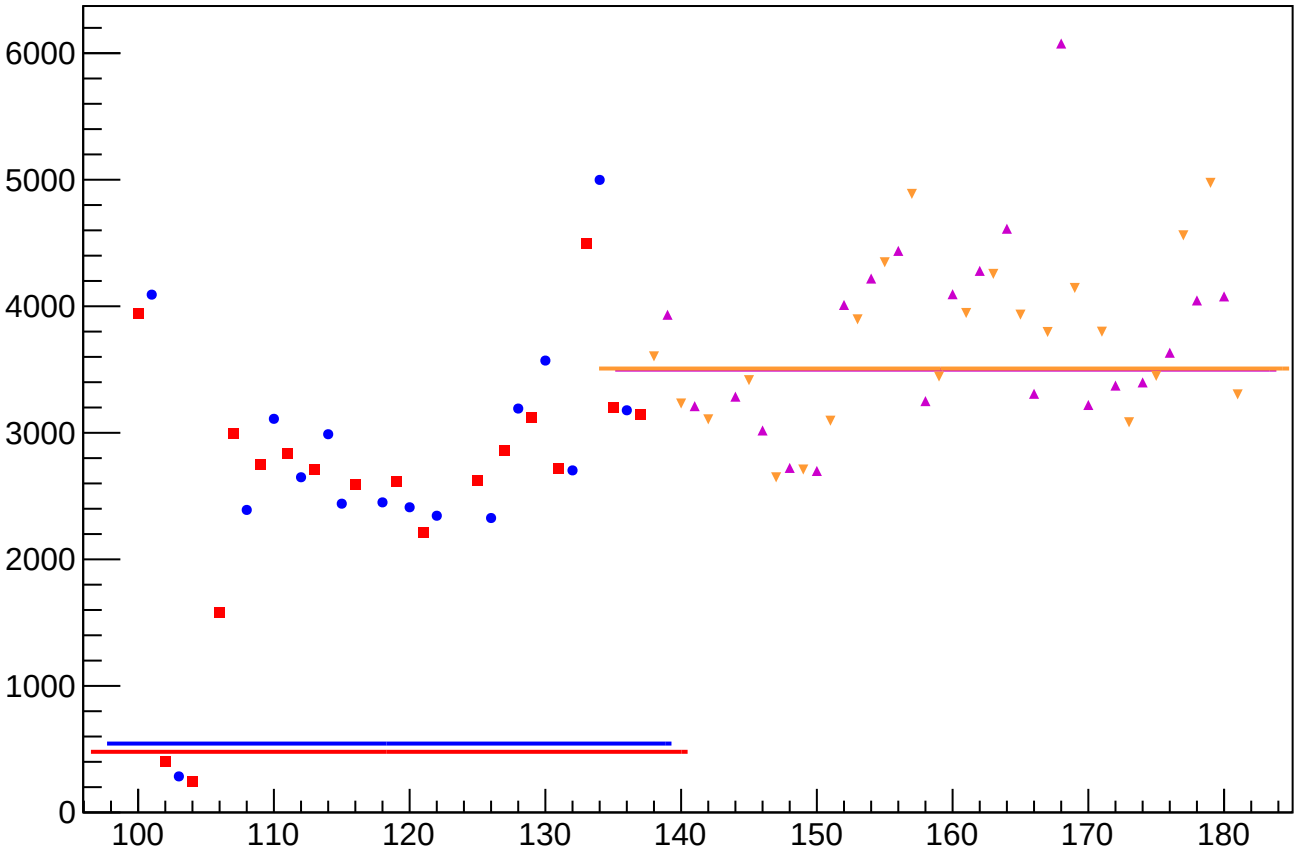
Right Out: 201.642+/-322.545 χ^2/NDF: 15.6/17

Left In: 172.202+/-859.310 χ^2/NDF:12.6/20

\+ sign 62.280+/-330.018 χ^2/NDF: 43.4/37

All: 136.154+/-222.783 χ^2/NDF: 71.8/76

\- sign 198.006+/-301.973 χ^2/NDF: 28.3/38



Right In: 544.336+/-0.253 χ^2/NDF: 9682967.9/15

Left Out: 3508.039+/-0.605 χ^2/NDF:985638.5/21

Right Out: 479.253+/-0.228 χ^2/NDF: 9187985.0/17

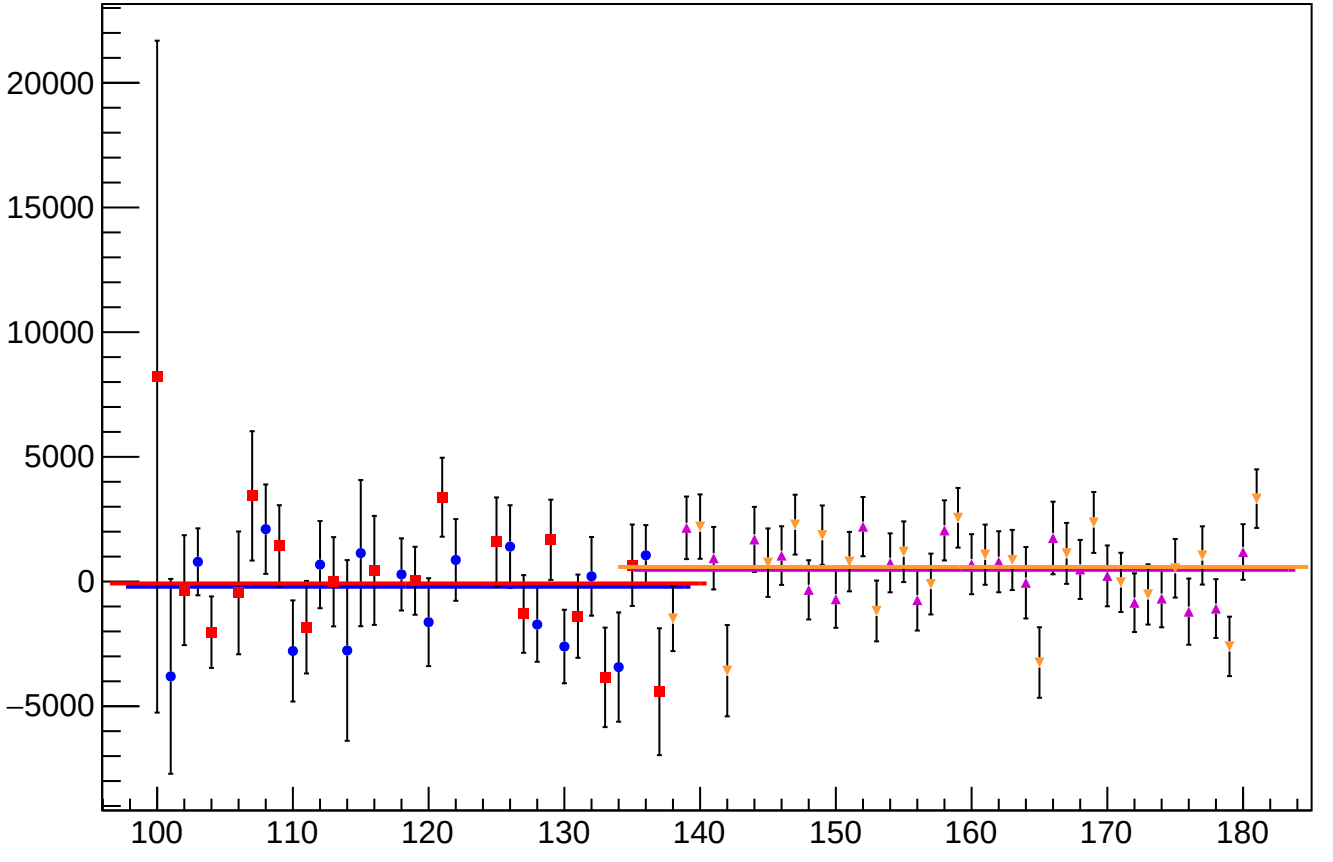
Left In: 3499.265+/-0.608 χ^2/NDF:1098076.9/20

+ sign 984.610+/-0.233 χ^2/NDF: 31070399.9/37

All: 912.540+/-0.158 χ^2/NDF: 63183988.0/76

- sign 852.198+/-0.214 χ^2/NDF: 31938346.4/38

cor_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -208.110+/-429.155 χ^2/NDF: 14.8/15

Left Out: 585.003+/-264.114 χ^2/NDF:41.6/21

Right Out: -75.761+/-430.760 χ^2/NDF: 20.7/17

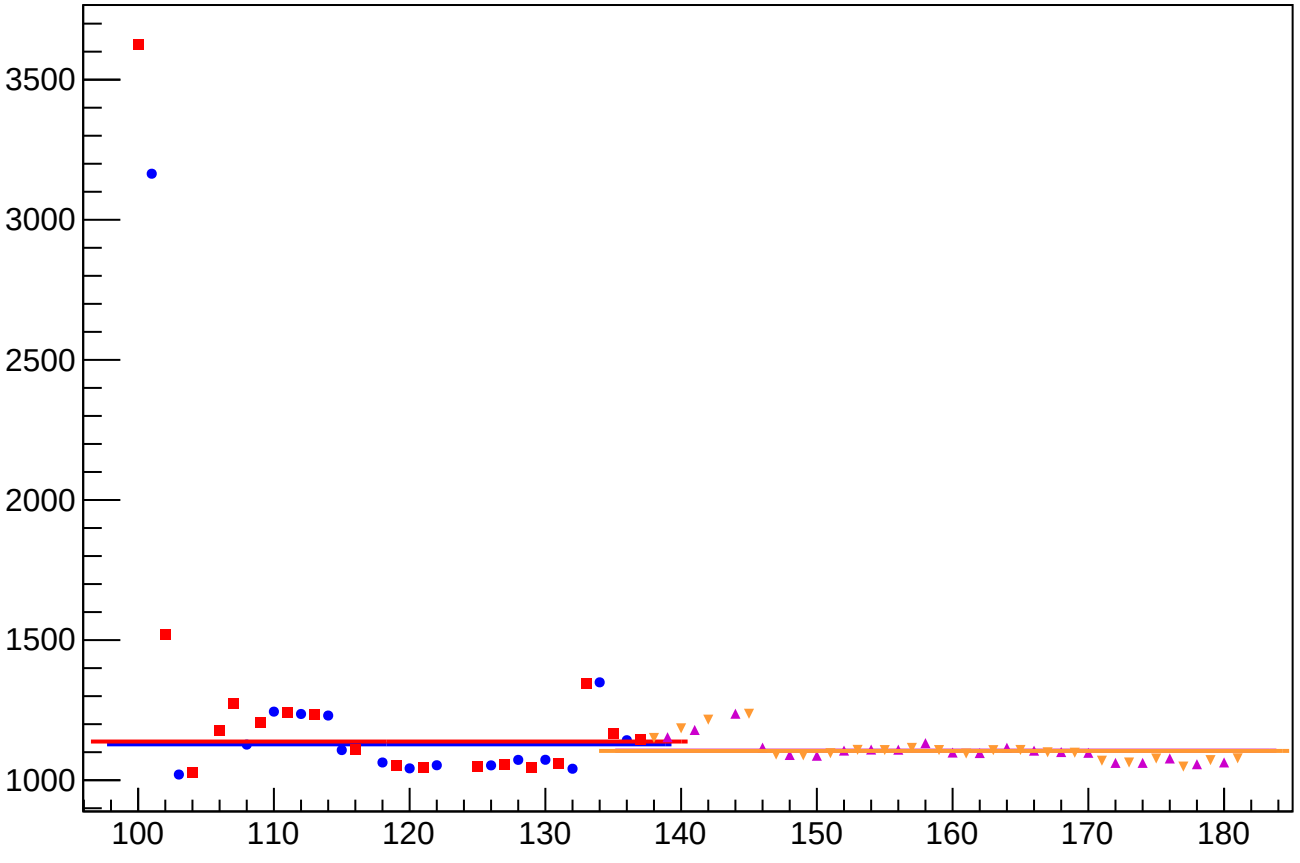
Left In: 470.481+/-266.323 χ^2/NDF:16.5/20

\+ sign 367.129+/-224.931 χ^2/NDF: 58.8/37

All: 343.444+/-159.611 χ^2/NDF: 97.1/76

\- sign 319.422+/-226.525 χ^2/NDF: 38.3/38

cor_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1128.007+/-0.303 χ^2/NDF: 621395.6/15

Left Out: 1104.522+/-0.187 χ^2/NDF:49740.6/21

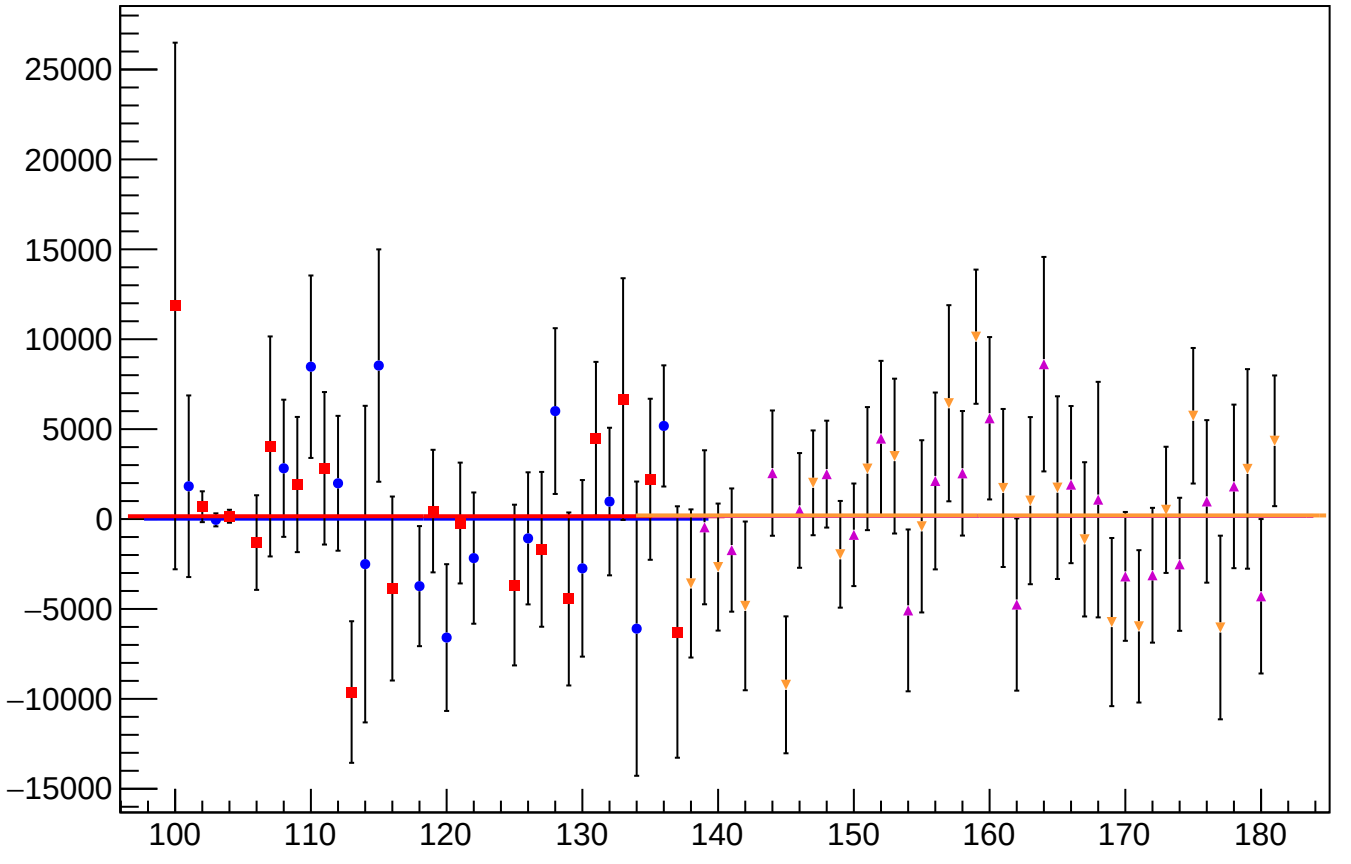
Right Out: 1138.000+/-0.304 χ^2/NDF: 220624.5/17

Left In: 1105.497+/-0.188 χ^2/NDF:45419.5/20

+ sign 1110.974+/-0.159 χ^2/NDF: 675480.3/37

All: 1112.721+/-0.113 χ^2/NDF: 950011.6/76

- sign 1114.493+/-0.160 χ^2/NDF: 274288.2/38



Right In: 21.645+/-344.525 χ^2/NDF: 14.9/15

Left Out: 199.765+/-856.237 χ^2/NDF:28.5/21

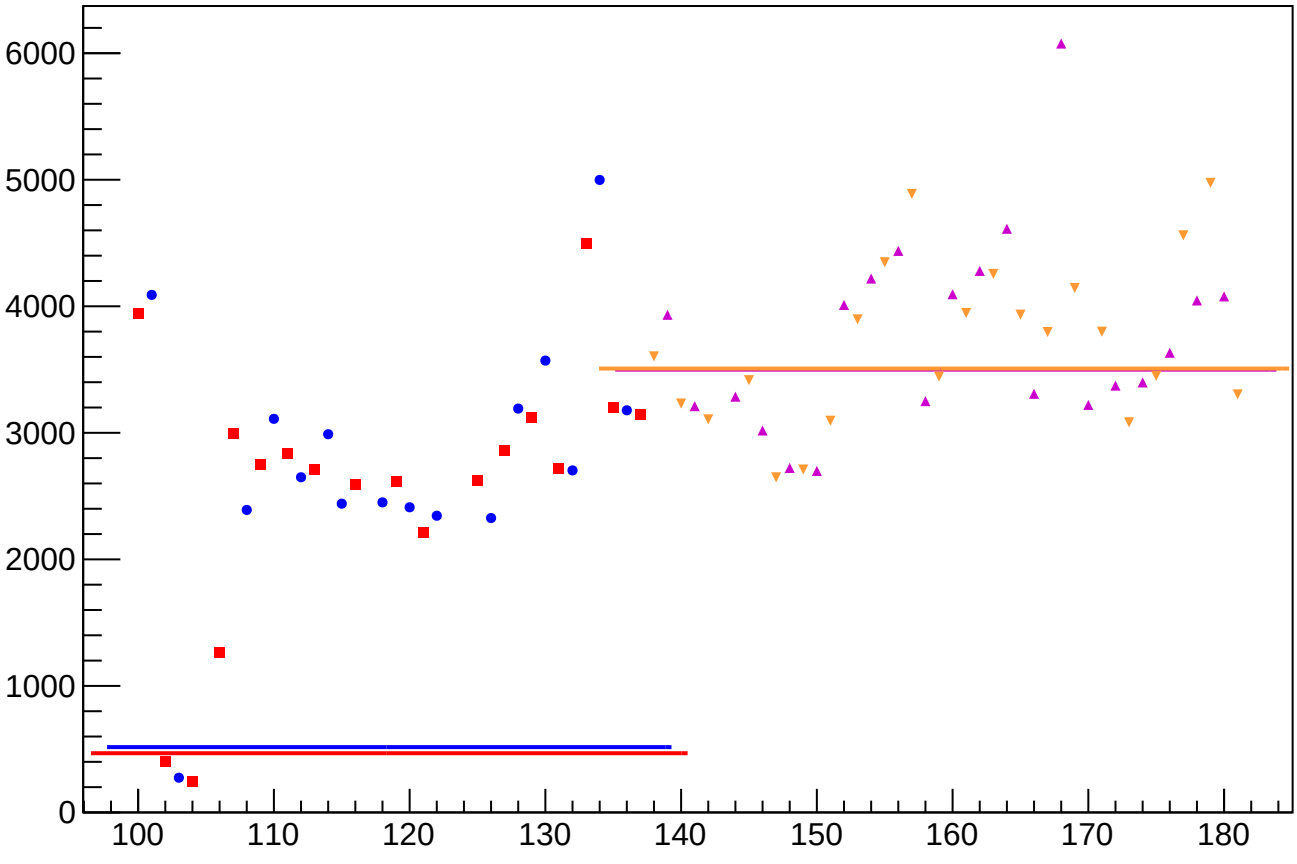
Right Out: 156.231+/-317.367 χ^2/NDF: 14.0/17

Left In: 172.216+/-859.310 χ^2/NDF:12.6/20

\+ sign 46.465+/-319.622 χ^2/NDF: 43.4/37

All: 106.266+/-217.848 χ^2/NDF: 70.1/76

\- sign 158.150+/-297.712 χ^2/NDF: 26.6/38



Right In: 516.297+/-0.244 χ^2/NDF: 9834669.6/15

Left Out: 3508.040+/-0.605 χ^2/NDF:985646.8/21

Right Out: 468.060+/-0.224 χ^2/NDF: 9111222.0/17

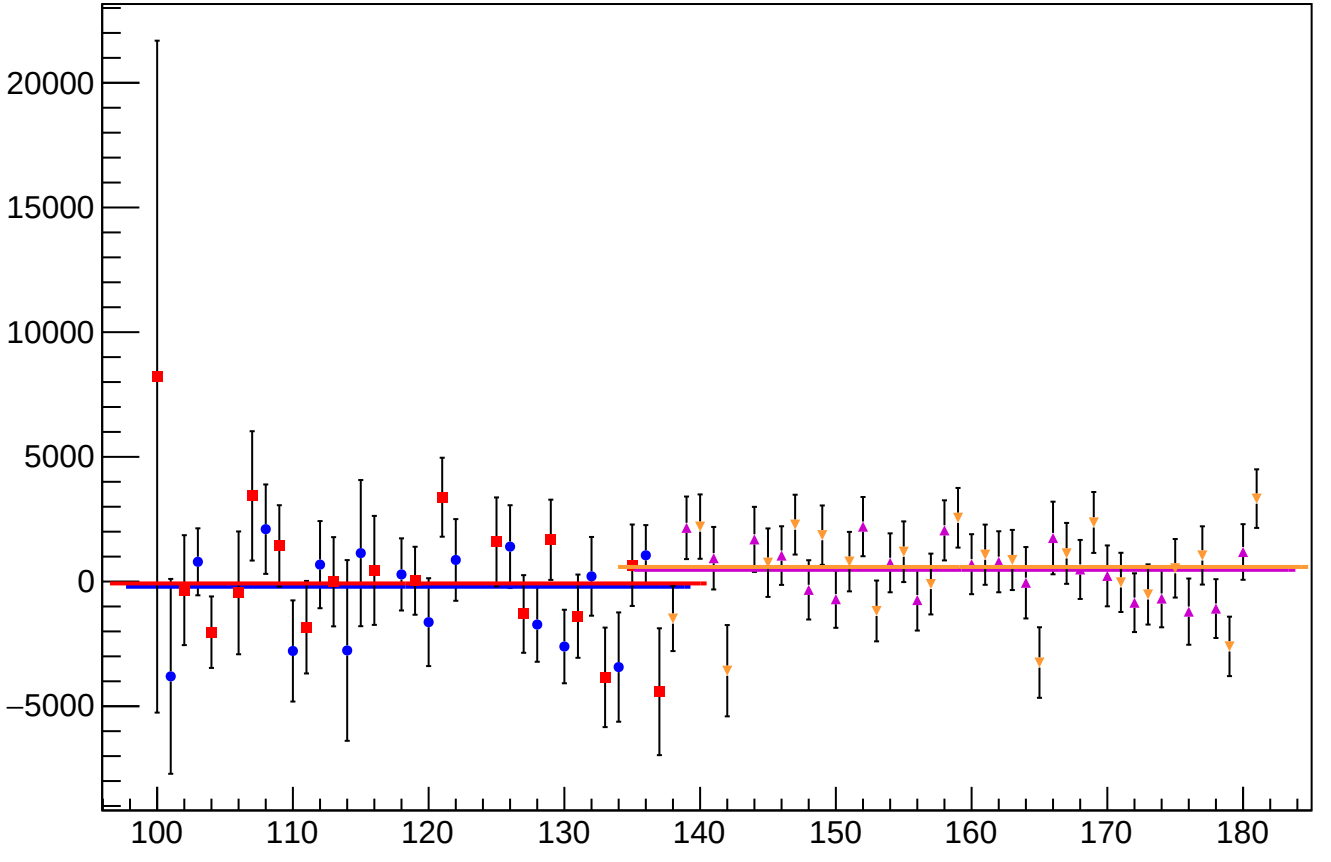
Left In: 3499.264+/-0.608 χ^2/NDF:1098083.6/20

+ sign 933.175+/-0.226 χ^2/NDF: 31834912.5/37

All: 878.946+/-0.154 χ^2/NDF: 64050942.0/76

- sign 831.897+/-0.211 χ^2/NDF: 32108505.7/38

eigen_cor_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -208.110+/-429.155 χ^2/NDF: 14.8/15

Left Out: 585.003+/-264.114 χ^2/NDF:41.6/21

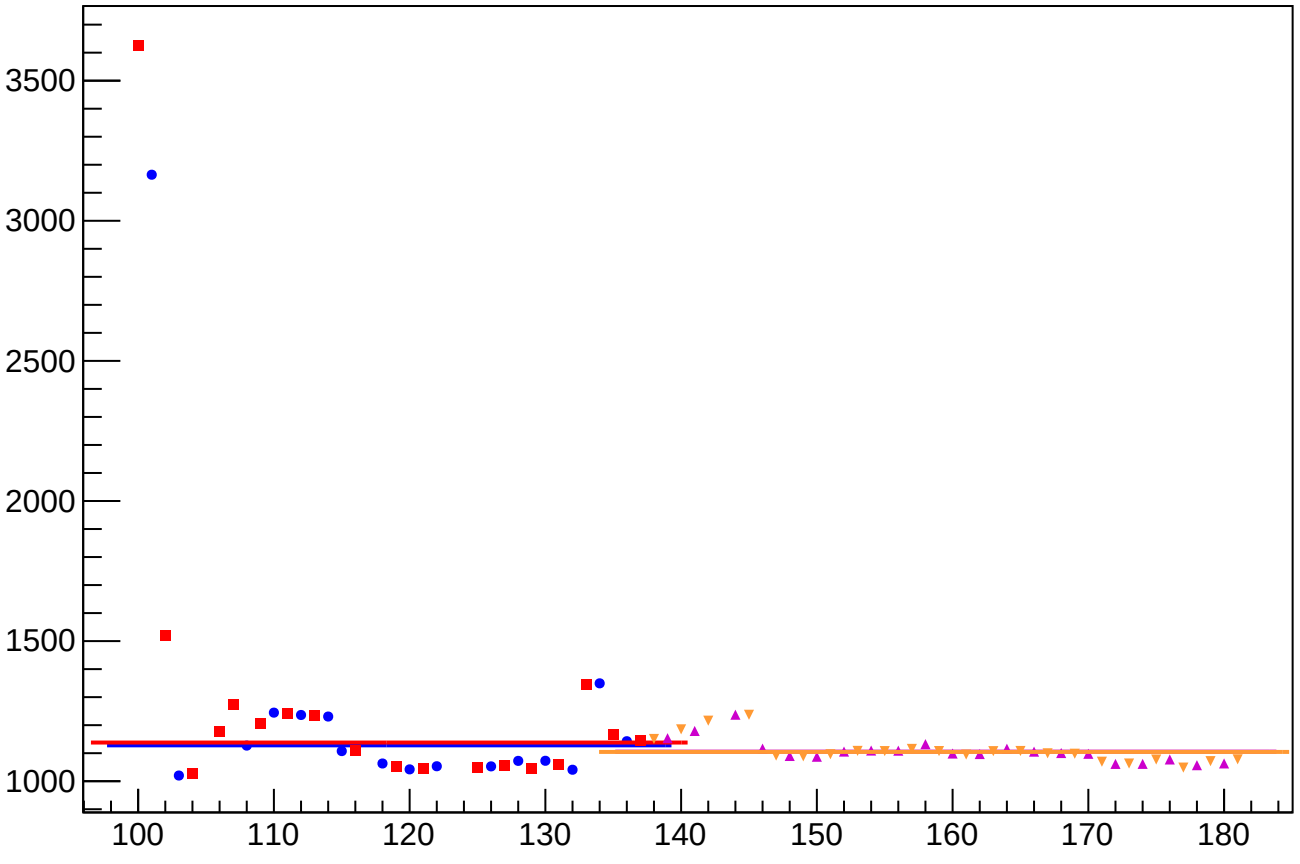
Right Out: -75.761+/-430.760 χ^2/NDF: 20.7/17

Left In: 470.481+/-266.323 χ^2/NDF:16.5/20

\+ sign 367.129+/-224.931 χ^2/NDF: 58.8/37

All: 343.444+/-159.611 χ^2/NDF: 97.1/76

\- sign 319.422+/-226.525 χ^2/NDF: 38.3/38



Right In: 1128.007+/-0.303 χ^2/NDF: 621395.6/15

Left Out: 1104.522+/-0.187 χ^2/NDF:49740.6/21

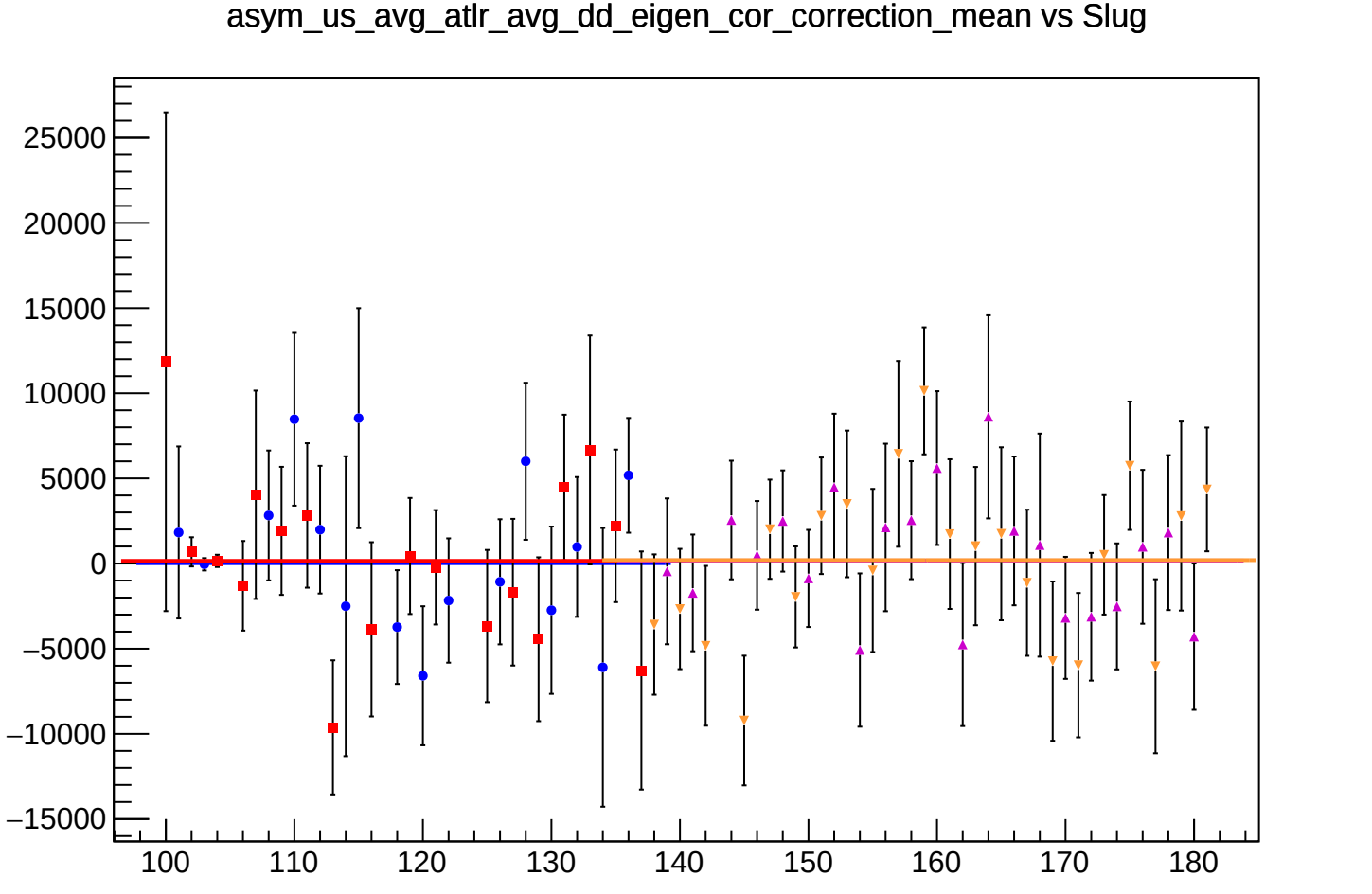
Right Out: 1138.000+/-0.304 χ^2/NDF: 220624.5/17

Left In: 1105.497+/-0.188 χ^2/NDF:45419.5/20

+ sign 1110.974+/-0.159 χ^2/NDF: 675480.3/37

All: 1112.721+/-0.113 χ^2/NDF: 950011.6/76

- sign 1114.493+/-0.160 χ^2/NDF: 274288.2/38



Right In: 21.645+/-344.525 χ^2/NDF: 14.9/15

Left Out: 199.765+/-856.237 χ^2/NDF:28.5/21

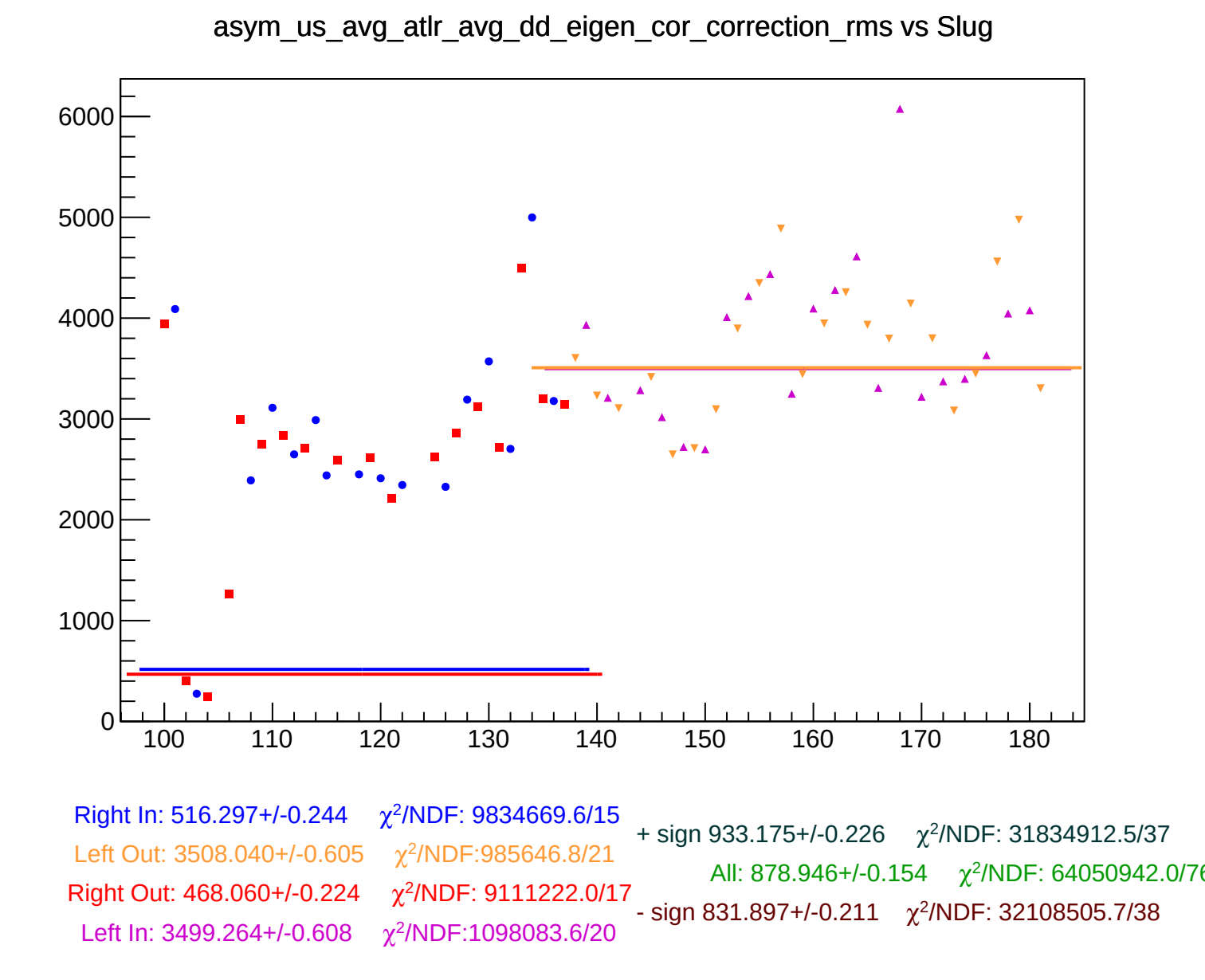
Right Out: 156.231+/-317.367 χ^2/NDF: 14.0/17

Left In: 172.216+/-859.310 χ^2/NDF:12.6/20

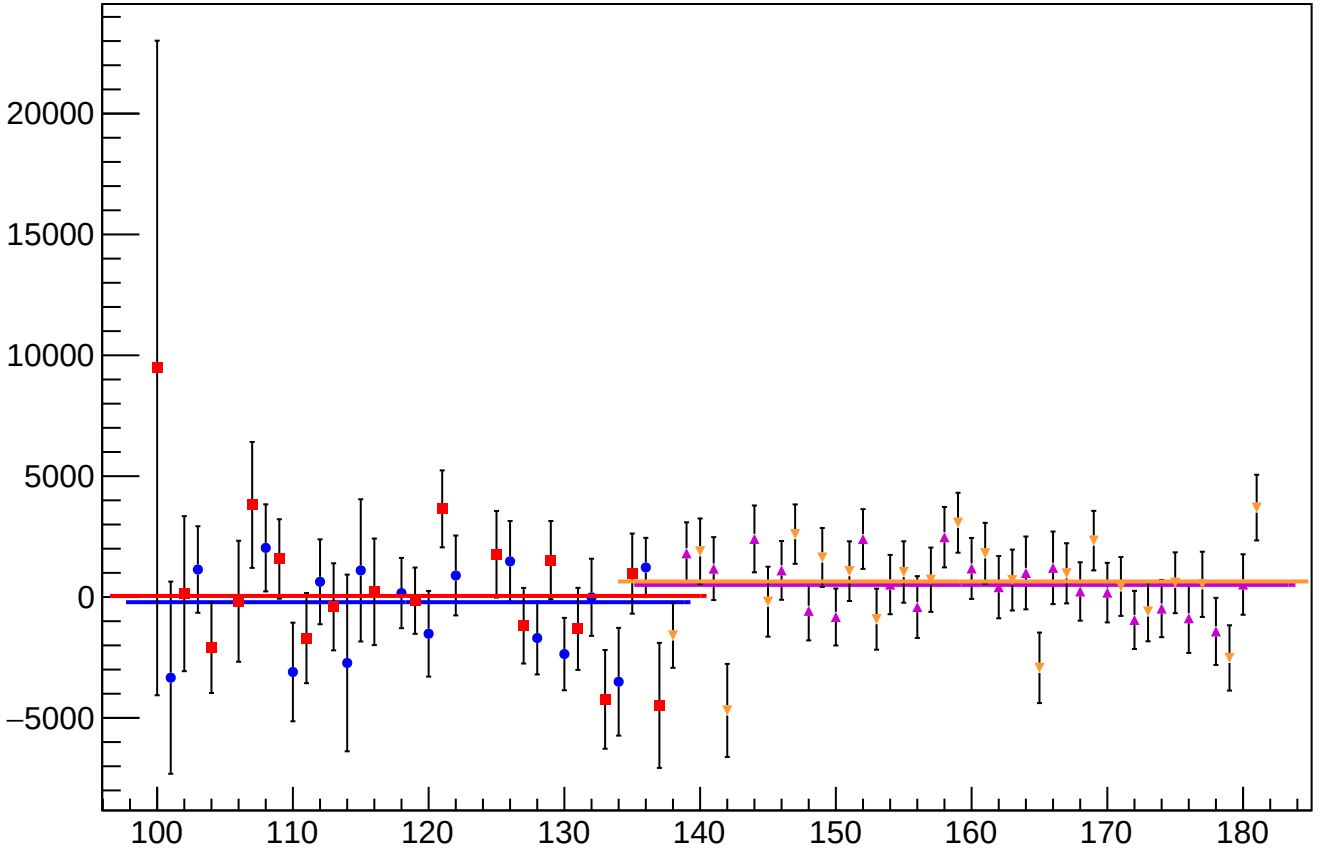
+ sign 46.465+/-319.622 χ^2/NDF: 43.4/37

All: 106.266+/-217.848 χ^2/NDF: 70.1/76

- sign 158.150+/-297.712 χ^2/NDF: 26.6/38


asym_us_avg_atlr_avg_dd_eigen_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: 3508.040+/-0.605 χ²/NDF:985646.8/21
Right Out: 468.060+/-0.224 χ²/NDF: 9111222.0/17
Left In: 3499.264+/-0.608 χ²/NDF:1098083.6/20
+ sign 933.175+/-0.226 χ²/NDF: 31834912.5/37
All: 878.946+/-0.154 χ²/NDF: 64050942.0/76
- sign 831.897+/-0.211 χ²/NDF: 32108505.7/38

dit_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -213.079+/-442.684 χ^2/NDF: 14.3/15

Left Out: 644.535+/-277.986 χ^2/NDF:40.9/21

Right Out: 45.535+/-447.221 χ^2/NDF: 21.7/17

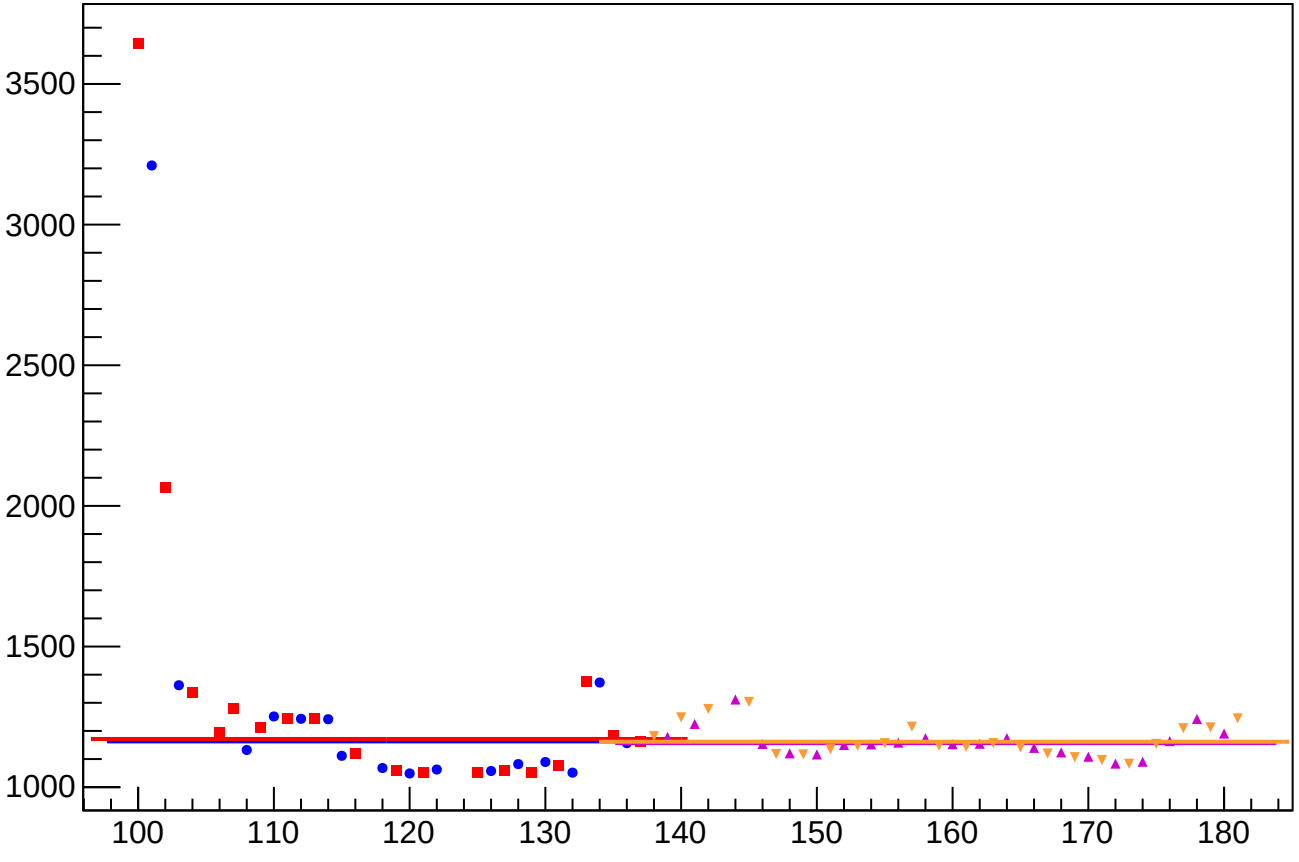
Left In: 503.728+/-278.764 χ^2/NDF:16.6/20

+ sign 401.993+/-235.419 χ^2/NDF: 57.9/37

All: 388.820+/-166.871 χ^2/NDF: 96.9/76

- sign 375.518+/-236.569 χ^2/NDF: 39.0/38

dit_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1162.851+/-0.313 χ^2/NDF: 635353.4/15

Left Out: 1161.675+/-0.197 χ^2/NDF:78810.6/21

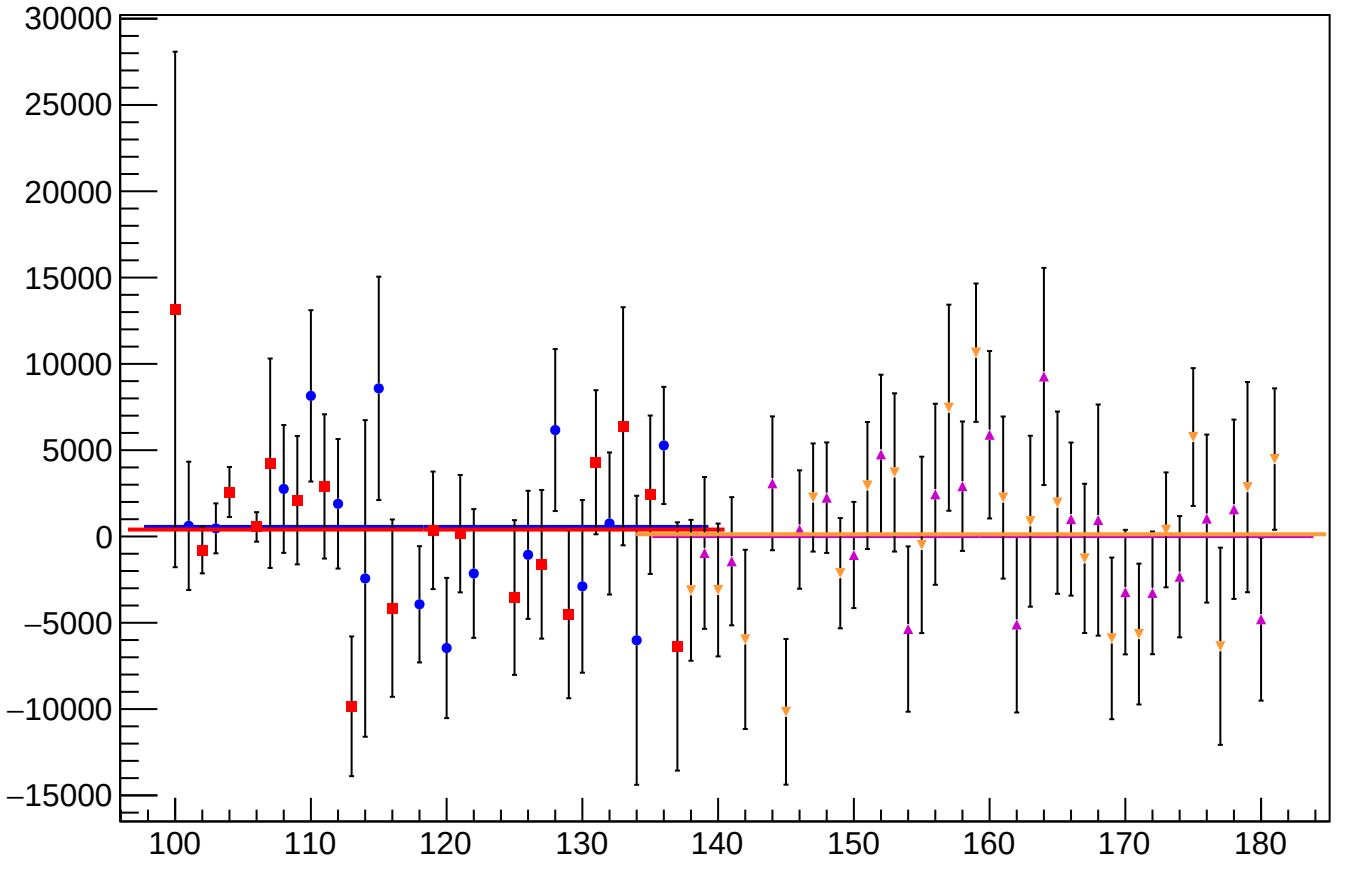
Right Out: 1171.420+/-0.316 χ^2/NDF: 331640.8/17

Left In: 1156.585+/-0.197 χ^2/NDF:63712.8/20

+ sign 1162.008+/-0.166 χ^2/NDF: 714174.2/37

All: 1161.376+/-0.118 χ^2/NDF: 1111142.8/76

- sign 1160.739+/-0.167 χ^2/NDF: 396939.7/38



Right In: 552.517+/-874.128 χ^2/NDF: 14.4/15

Left Out: 129.334+/-904.603 χ^2/NDF:28.0/21

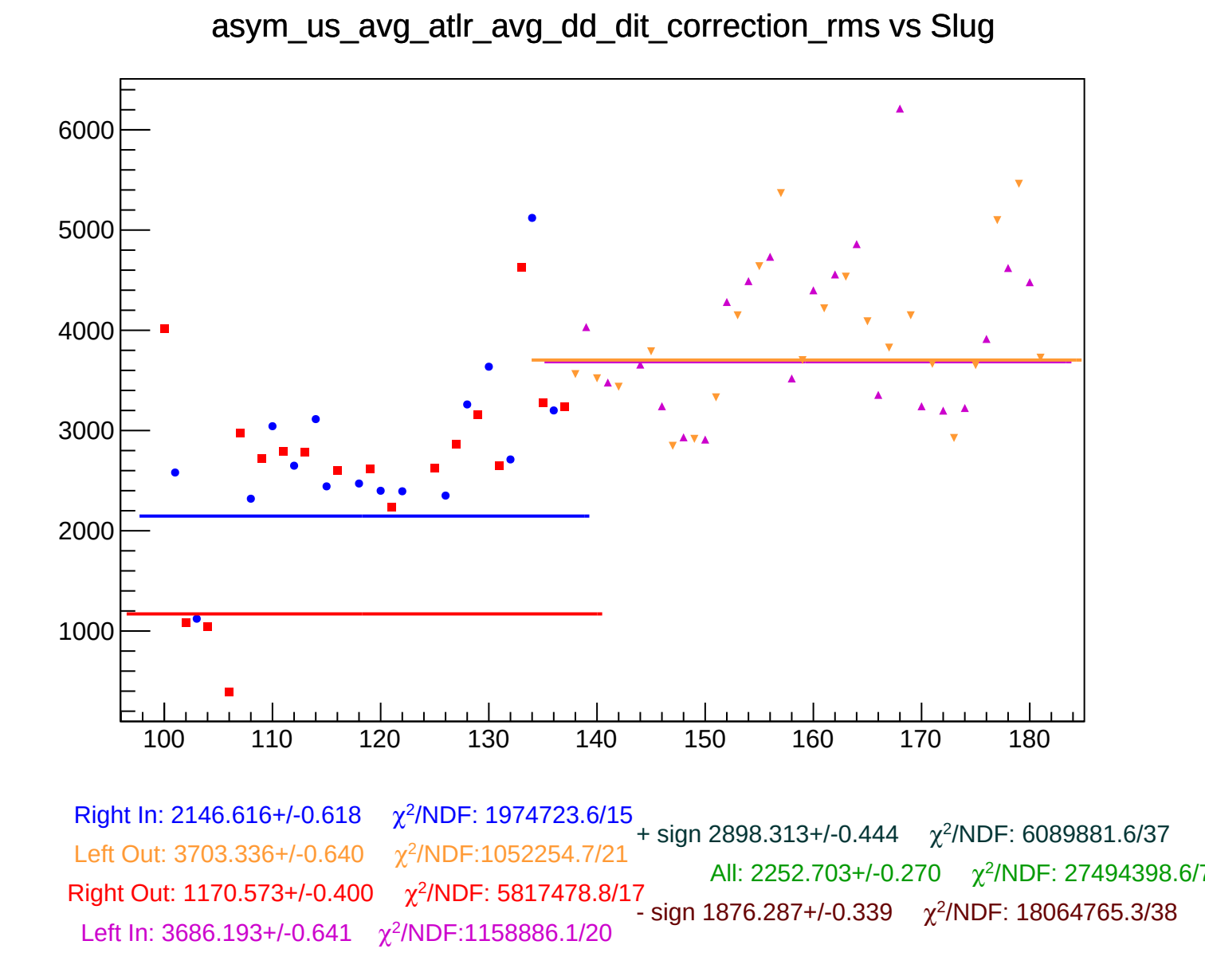
Right Out: 400.432+/-565.871 χ^2/NDF: 16.7/17

Left In: 25.152+/-906.215 χ^2/NDF:12.6/20

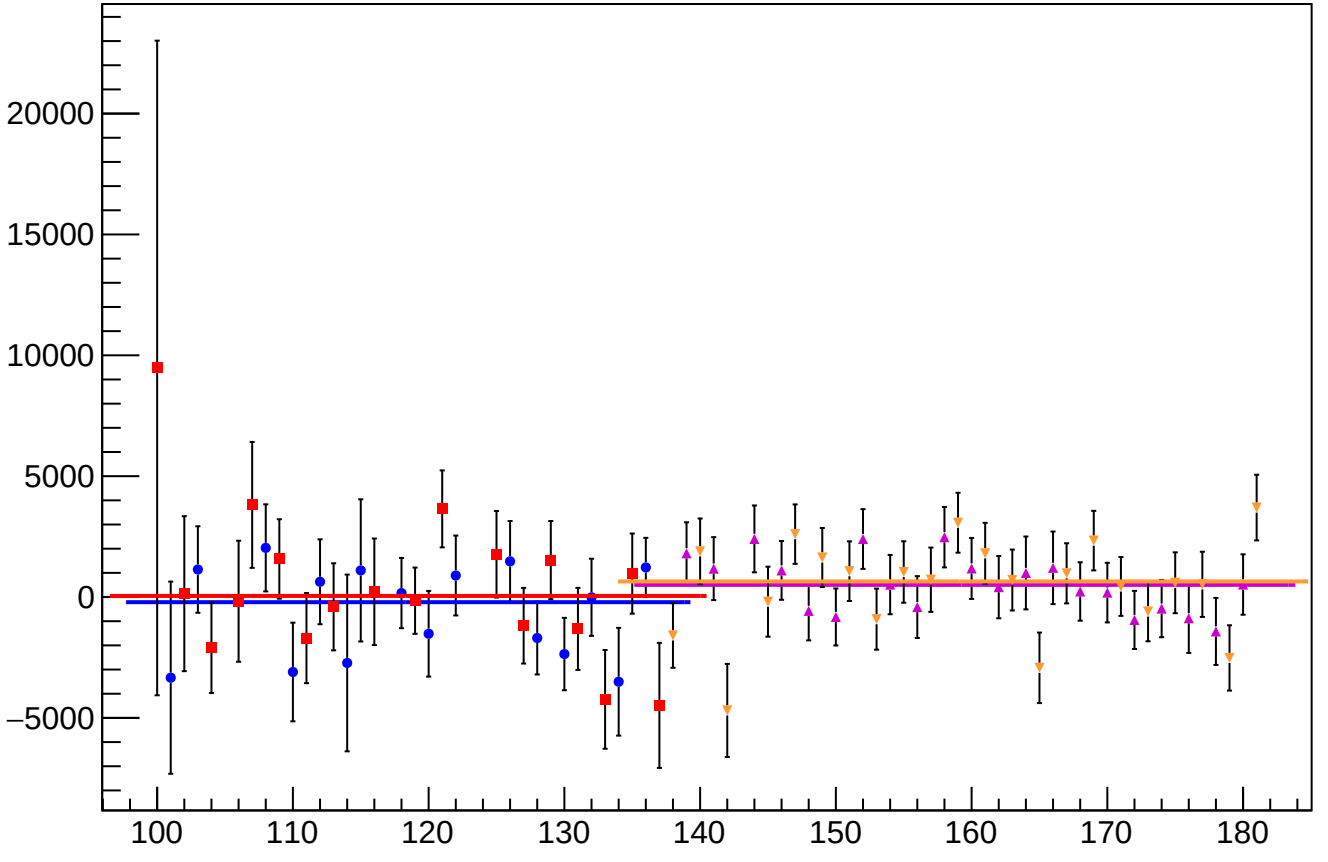
\+ sign 348.174+/-628.599 χ^2/NDF: 42.5/37

All: 314.681+/-381.485 χ^2/NDF: 71.8/76

\- sign 295.154+/-479.980 χ^2/NDF: 29.4/38


asym_us_avg_atlr_avg_dd_dit_correction_rms vs Slug
6000
5000
4000
3000
2000
1000
100
110
120
130
140
150
160
170
180
Right In: 2146.616+/-0.618 χ²/NDF: 1974723.6/15
Left Out: 3703.336+/-0.640 χ²/NDF:1052254.7/21
Right Out: 1170.573+/-0.400 χ²/NDF: 5817478.8/17
Left In: 3686.193+/-0.641 χ²/NDF:1158886.1/20
+ sign 2898.313+/-0.444 χ²/NDF: 6089881.6/37
All: 2252.703+/-0.270 χ²/NDF: 27494398.6/7
- sign 1876.287+/-0.339 χ²/NDF: 18064765.3/38

eigen_dit_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -213.082+/-442.684 χ^2/NDF: 14.3/15

Left Out: 644.537+/-277.987 χ^2/NDF:40.9/21

Right Out: 45.539+/-447.221 χ^2/NDF: 21.7/17

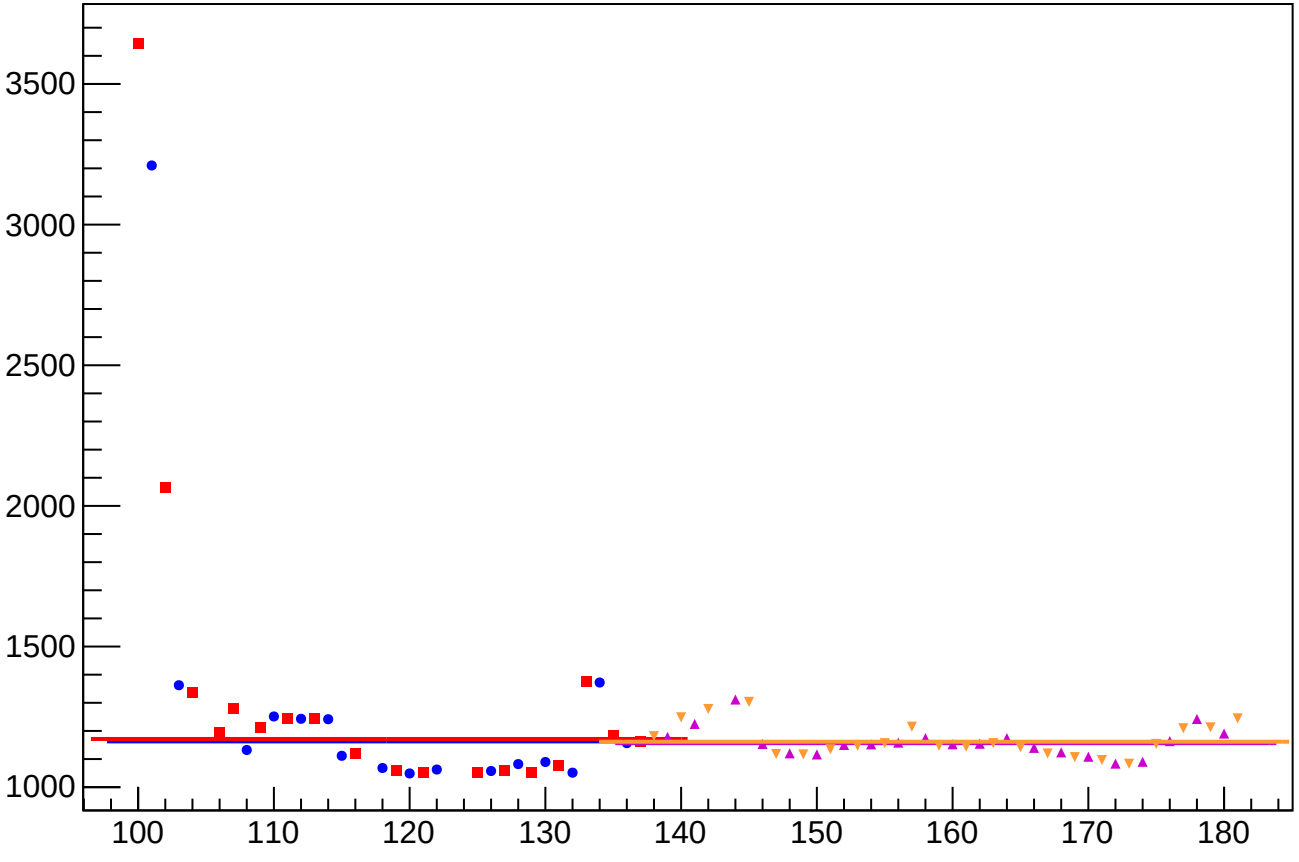
Left In: 503.727+/-278.764 χ^2/NDF:16.6/20

+ sign 401.994+/-235.419 χ^2/NDF: 57.9/37

All: 388.821+/-166.872 χ^2/NDF: 96.9/76

- sign 375.518+/-236.569 χ^2/NDF: 39.0/38

eigen_dit_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1162.851+/-0.313 χ^2/NDF: 635353.6/15

Left Out: 1161.676+/-0.197 χ^2/NDF:78813.1/21

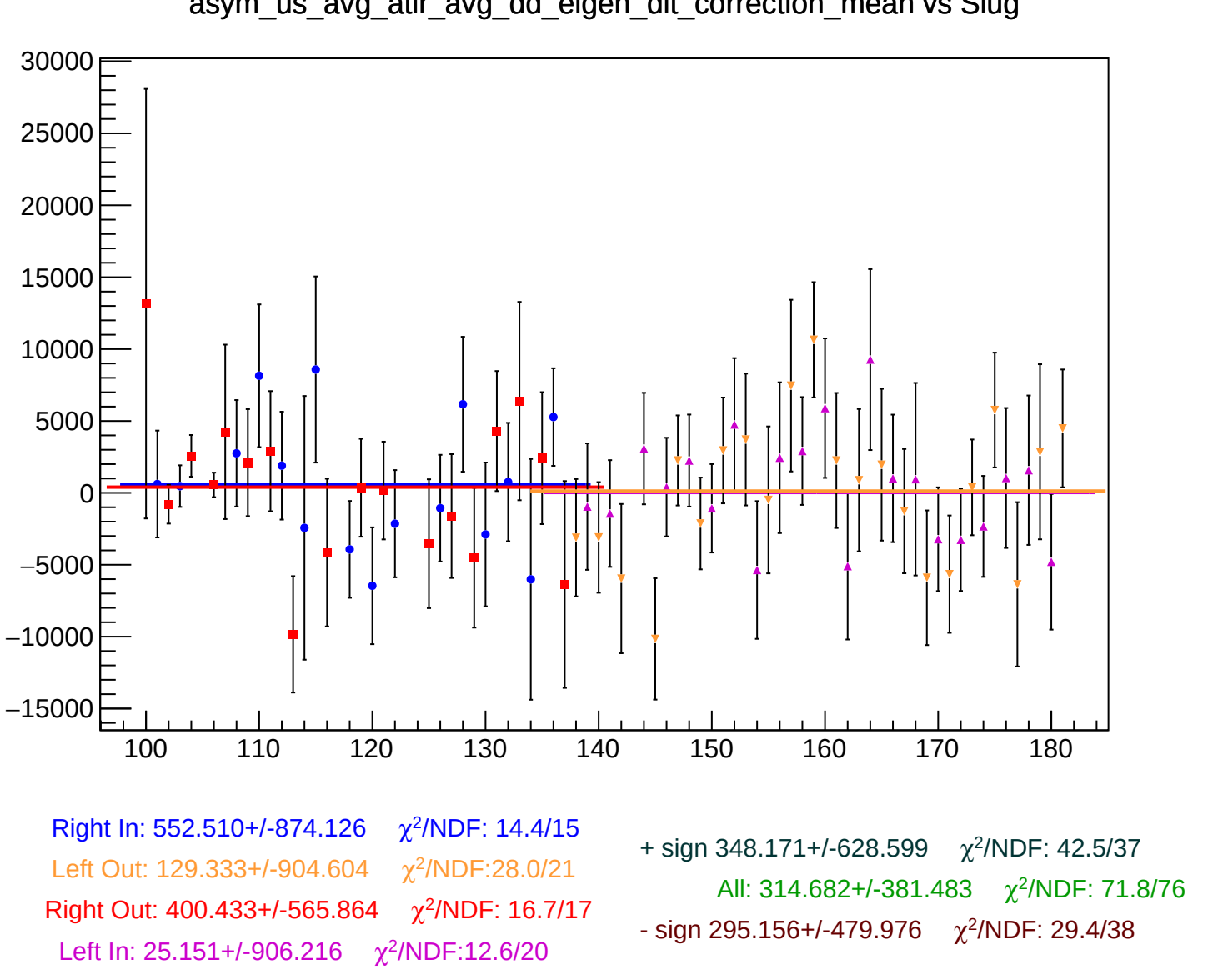
Right Out: 1171.420+/-0.316 χ^2/NDF: 331640.4/17

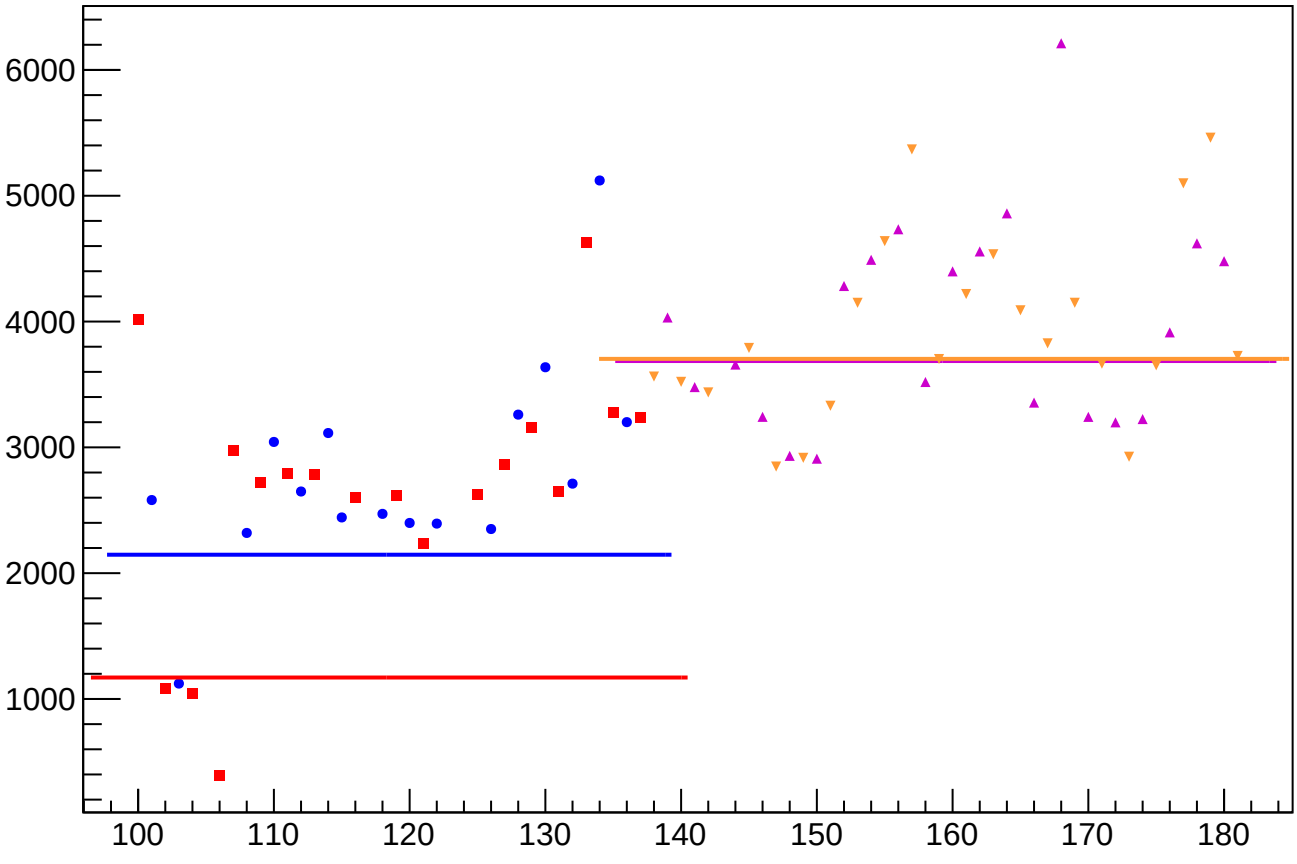
Left In: 1156.586+/-0.197 χ^2/NDF:63715.3/20

+ sign 1162.009+/-0.166 χ^2/NDF: 714176.8/37

All: 1161.377+/-0.118 χ^2/NDF: 1111147.3/76

- sign 1160.740+/-0.167 χ^2/NDF: 396941.5/38


asym_us_avg_atlr_avg_dd_eigen_dit_correction_mean vs Slug
30000
25000
20000
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
180
Right In: 552.510+/-874.126 χ²/NDF: 14.4/15
Left Out: 129.333+/-904.604 χ²/NDF:28.0/21
Right Out: 400.433+/-565.864 χ²/NDF: 16.7/17
Left In: 25.151+/-906.216 χ²/NDF:12.6/20
+ sign 348.171+/-628.599 χ²/NDF: 42.5/37
All: 314.682+/-381.483 χ²/NDF: 71.8/76
- sign 295.156+/-479.976 χ²/NDF: 29.4/38



Right In: 2146.613+/-0.618 χ^2/NDF: 1974719.3/15

Left Out: 3703.342+/-0.640 χ^2/NDF:1052257.5/21

Right Out: 1170.550+/-0.400 χ^2/NDF: 5817605.6/17

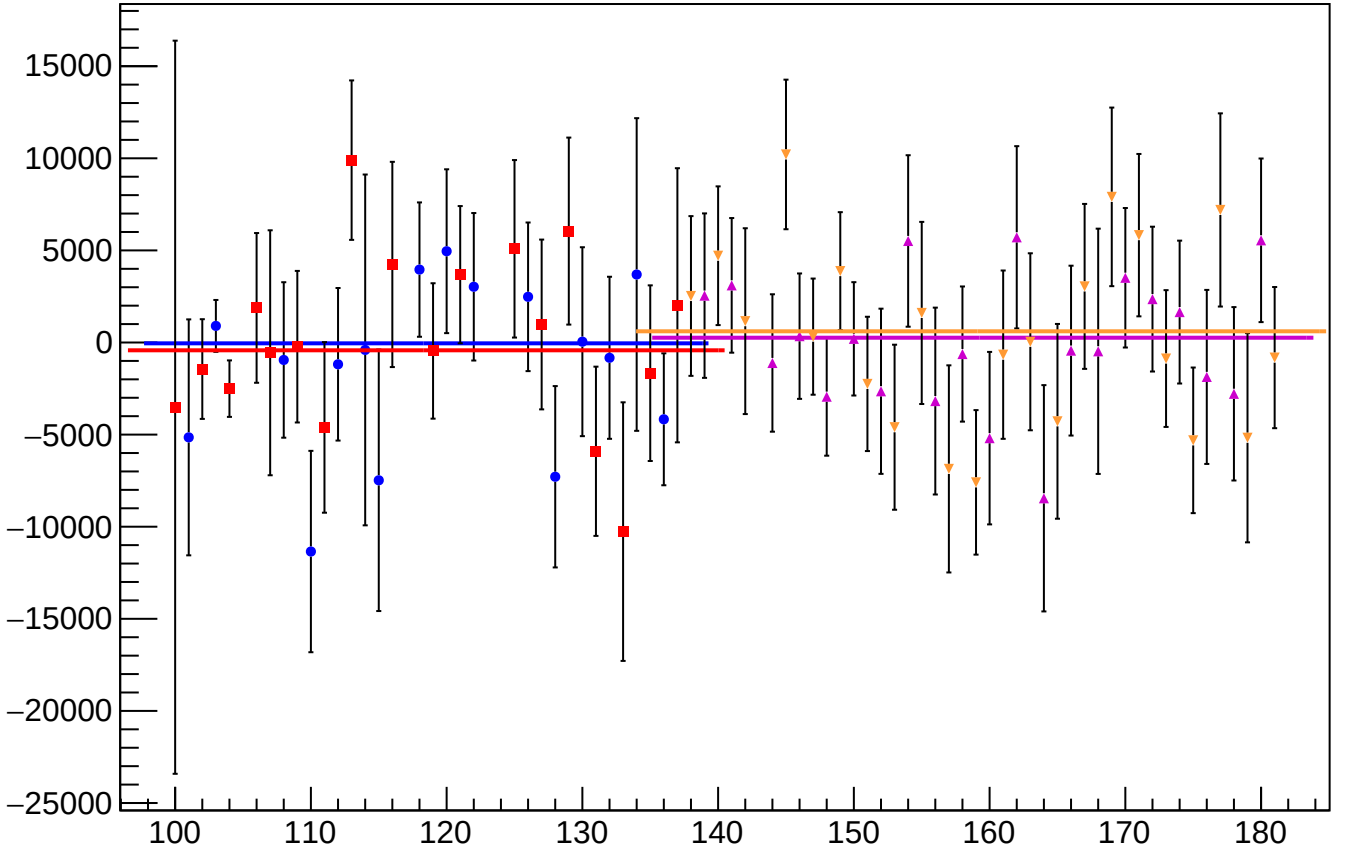
Left In: 3686.199+/-0.641 χ^2/NDF:1158889.9/20

\+ sign 2898.311+/-0.444 χ^2/NDF: 6089913.5/37

All: 2252.680+/-0.270 χ^2/NDF: 27495062.5/7

\- sign 1876.258+/-0.339 χ^2/NDF: 18065196.9/38

asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -44.874+/-920.736 χ^2/NDF: 13.7/15

Left Out: 608.468+/-902.564 χ^2/NDF:26.2/21

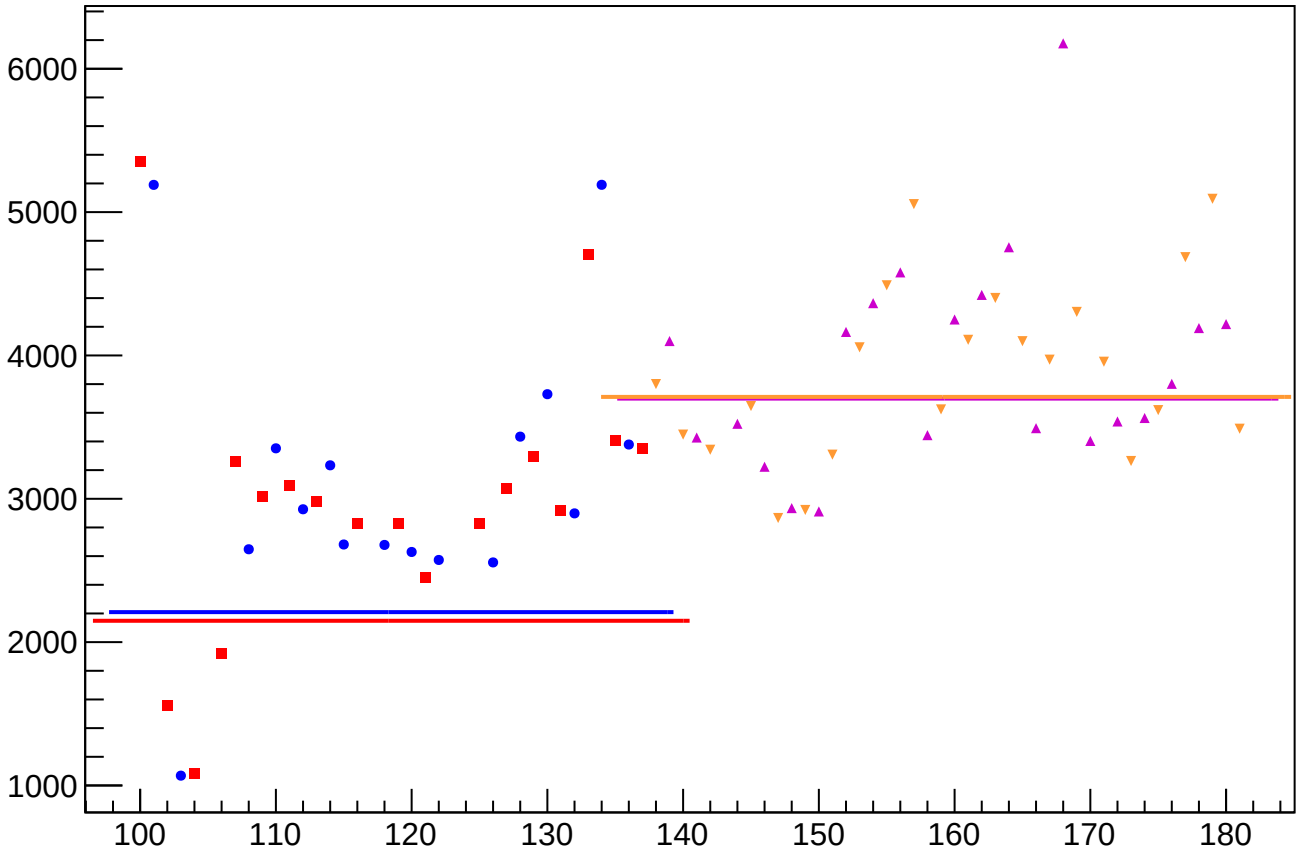
Right Out: -423.476+/-896.736 χ^2/NDF: 17.3/17

Left In: 259.715+/-905.502 χ^2/NDF:12.0/20

+ sign 288.307+/-644.538 χ^2/NDF: 40.3/37

All: 99.403+/-453.128 χ^2/NDF: 70.1/76

- sign -85.204+/-637.164 χ^2/NDF: 29.7/38



Right In: 2209.349+/-0.651 χ^2/NDF: 2836875.7/15

Left Out: 3710.851+/-0.638 χ^2/NDF:822901.6/21

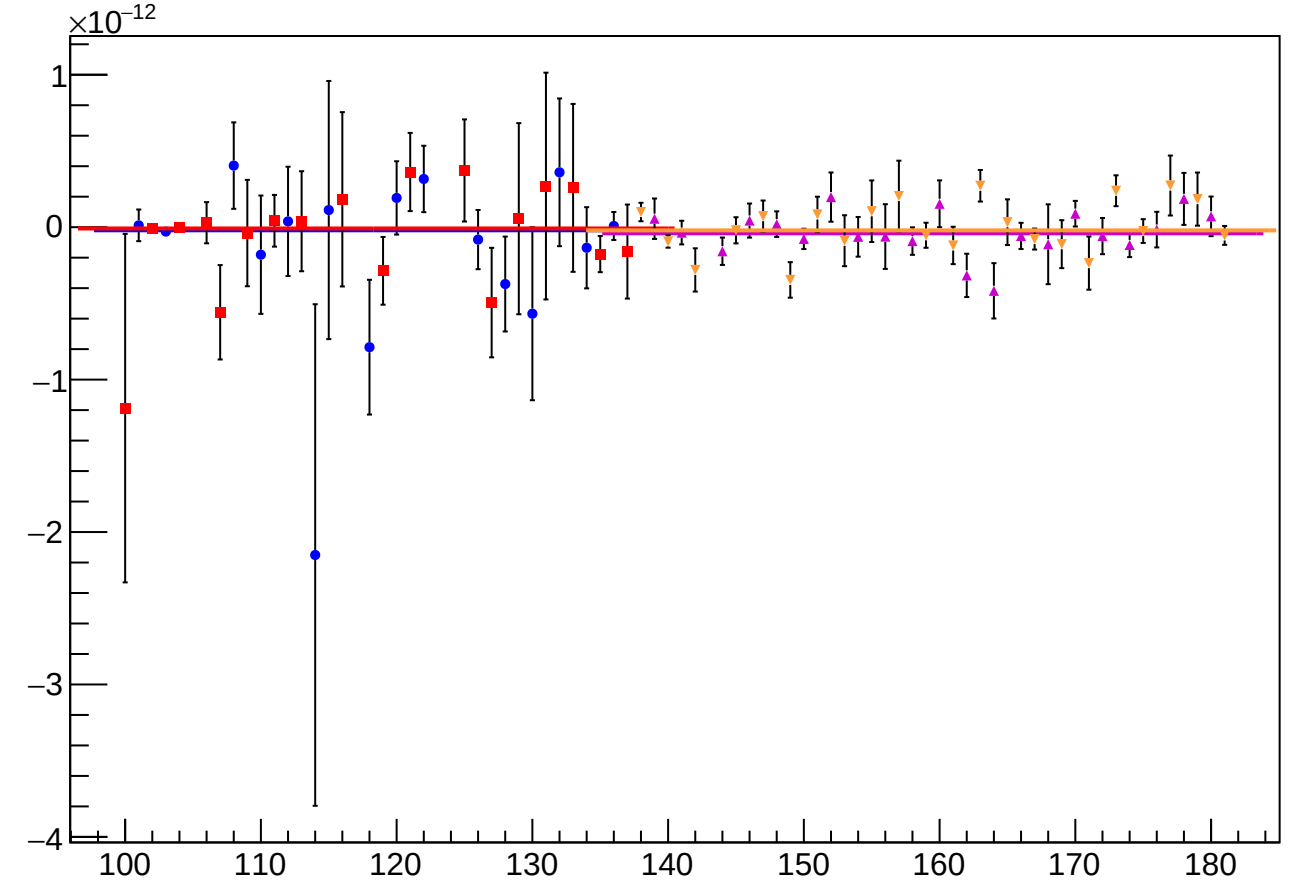
Right Out: 2148.948+/-0.633 χ^2/NDF: 2269660.8/17

Left In: 3698.926+/-0.640 χ^2/NDF:926776.3/20

+ sign 2975.061+/-0.456 χ^2/NDF: 6372177.2/37

All: 2944.417+/-0.320 χ^2/NDF: 12543096.4/7

- sign 2914.542+/-0.450 χ^2/NDF: 6161990.8/38



Right In: -0.000+/-0.000 χ^2/NDF: 13.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:43.3/21

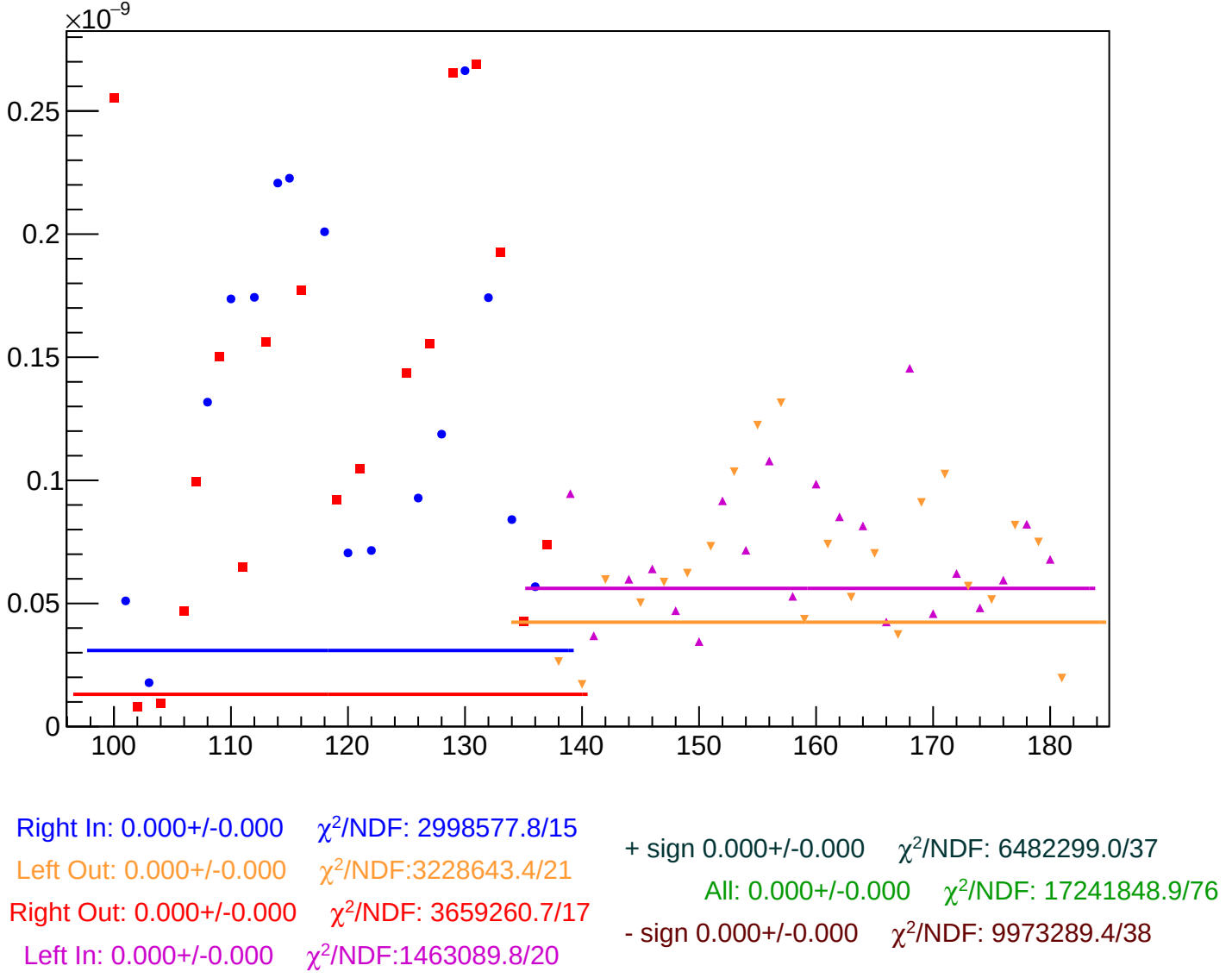
Right Out: -0.000+/-0.000 χ^2/NDF: 14.0/17

Left In: -0.000+/-0.000 χ^2/NDF:21.8/20

+ sign -0.000+/-0.000 χ^2/NDF: 57.1/37

All: -0.000+/-0.000 χ^2/NDF: 94.1/76

- sign -0.000+/-0.000 χ^2/NDF: 37.1/38


asym_us_avg_atlr_avg_dd_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.25
0.2
0.15
0.1
0.05
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100
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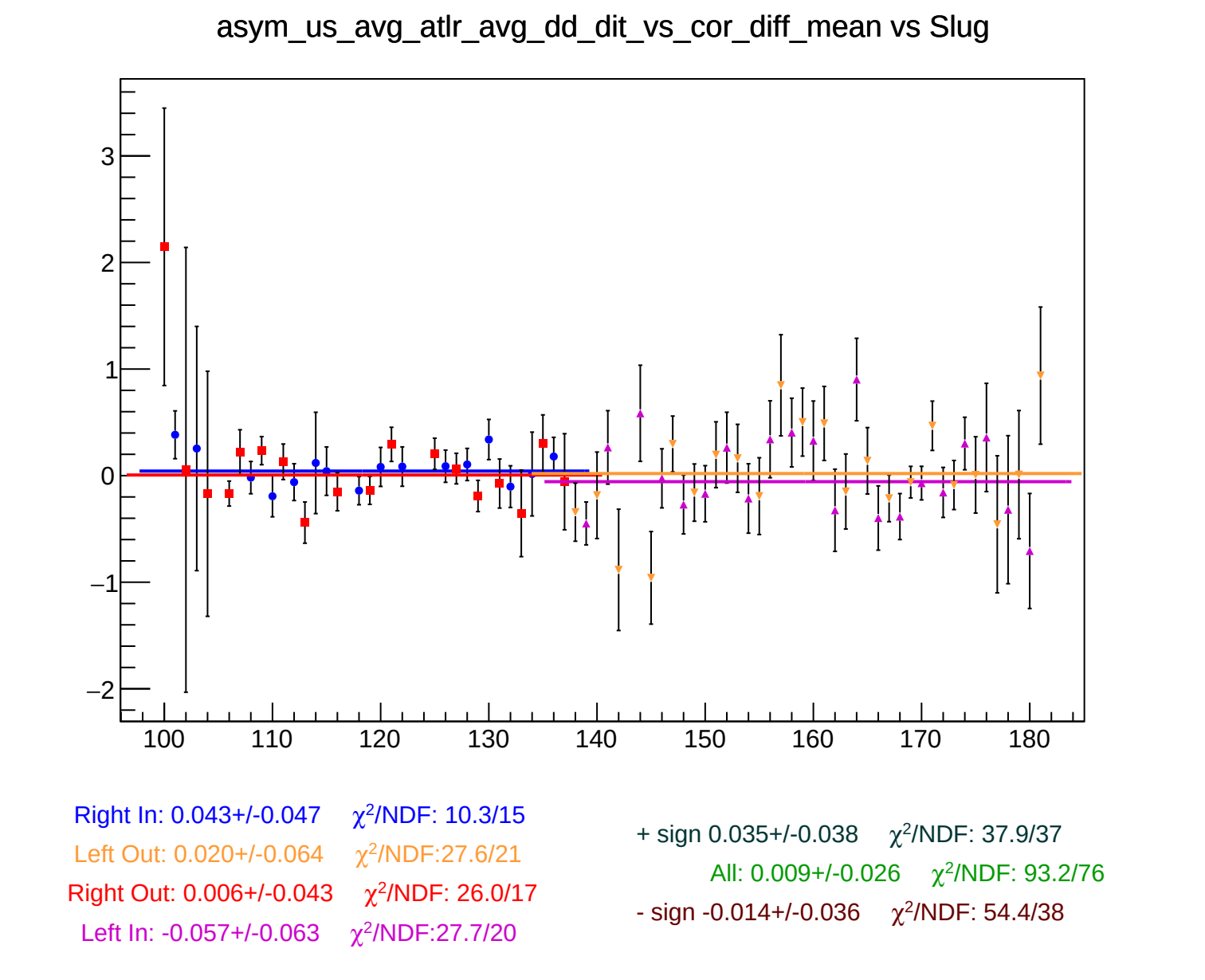
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2998577.8/15
Left Out: 0.000+/-0.000 χ²/NDF:3228643.4/21
Right Out: 0.000+/-0.000 χ²/NDF: 3659260.7/17
Left In: 0.000+/-0.000 χ²/NDF:1463089.8/20
+ sign 0.000+/-0.000 χ²/NDF: 6482299.0/37
All: 0.000+/-0.000 χ²/NDF: 17241848.9/76
- sign 0.000+/-0.000 χ²/NDF: 9973289.4/38


asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_mean vs Slug
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170
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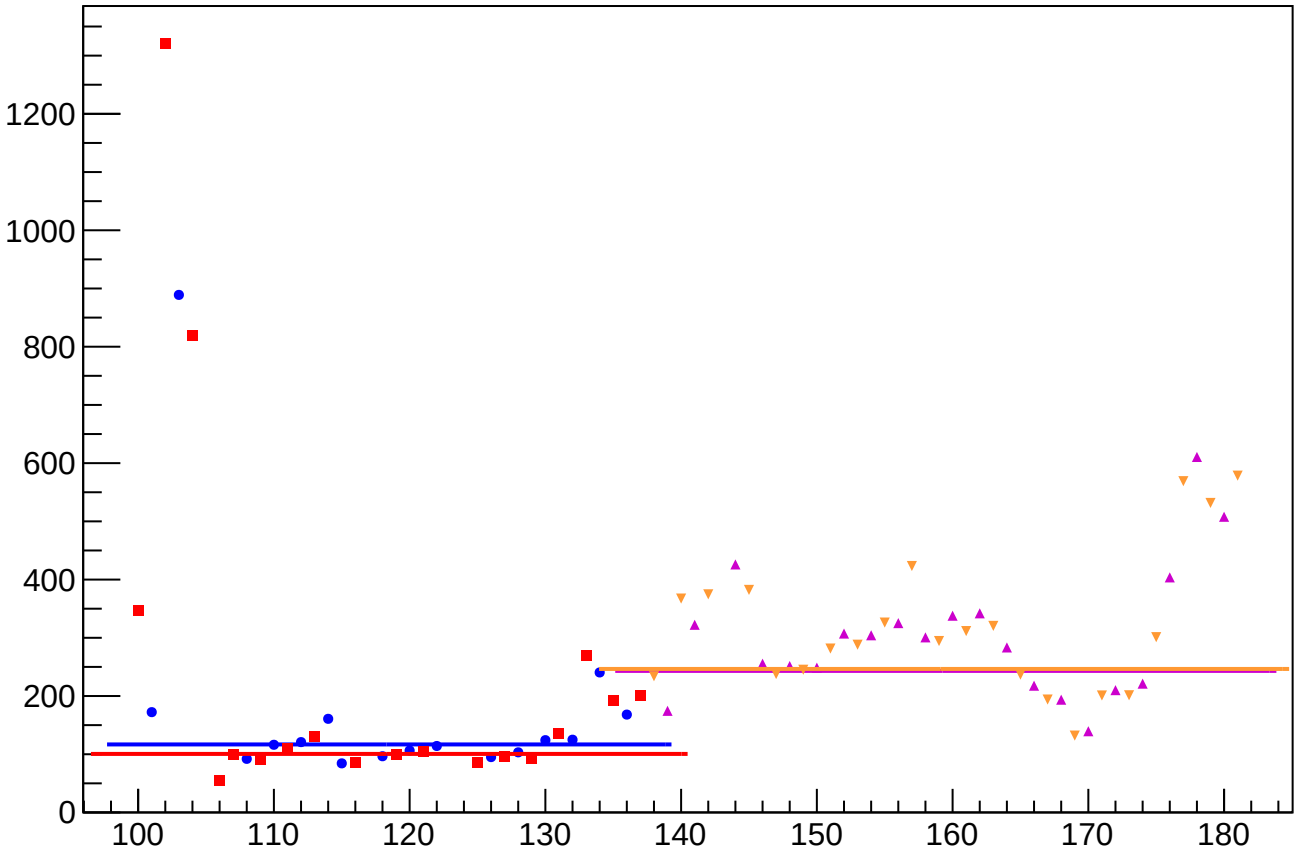
Right In: 0.043+/-0.047 χ²/NDF: 10.3/15
Left Out: 0.020+/-0.064 χ²/NDF:27.6/21
Right Out: 0.006+/-0.043 χ²/NDF: 26.0/17
Left In: -0.057+/-0.063 χ²/NDF:27.7/20
+ sign 0.035+/-0.038 χ²/NDF: 37.9/37
All: 0.009+/-0.026 χ²/NDF: 93.2/76
- sign -0.014+/-0.036 χ²/NDF: 54.4/38



Right In: 116.841+/-0.034 χ^2/NDF: 1620809.7/15

Left Out: 246.505+/-0.045 χ^2/NDF:4116101.1/21

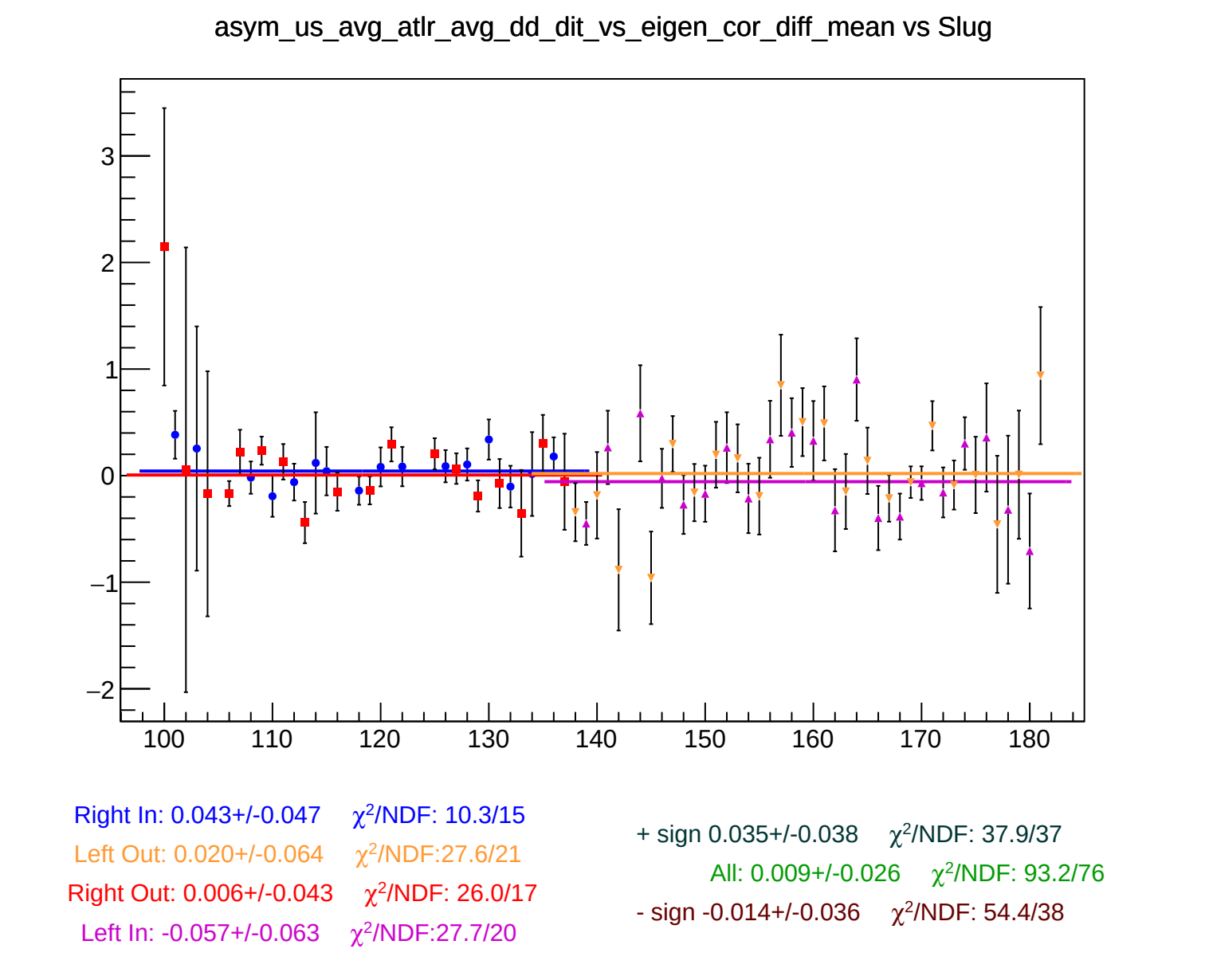
Right Out: 100.544+/-0.031 χ^2/NDF: 2664151.6/17

Left In: 243.153+/-0.045 χ^2/NDF:3551418.6/20

+ sign 162.904+/-0.027 χ^2/NDF: 11038888.8/37

All: 154.117+/-0.018 χ^2/NDF: 24403160.0/76

- sign 146.394+/-0.025 χ^2/NDF: 13164553.0/38


asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug
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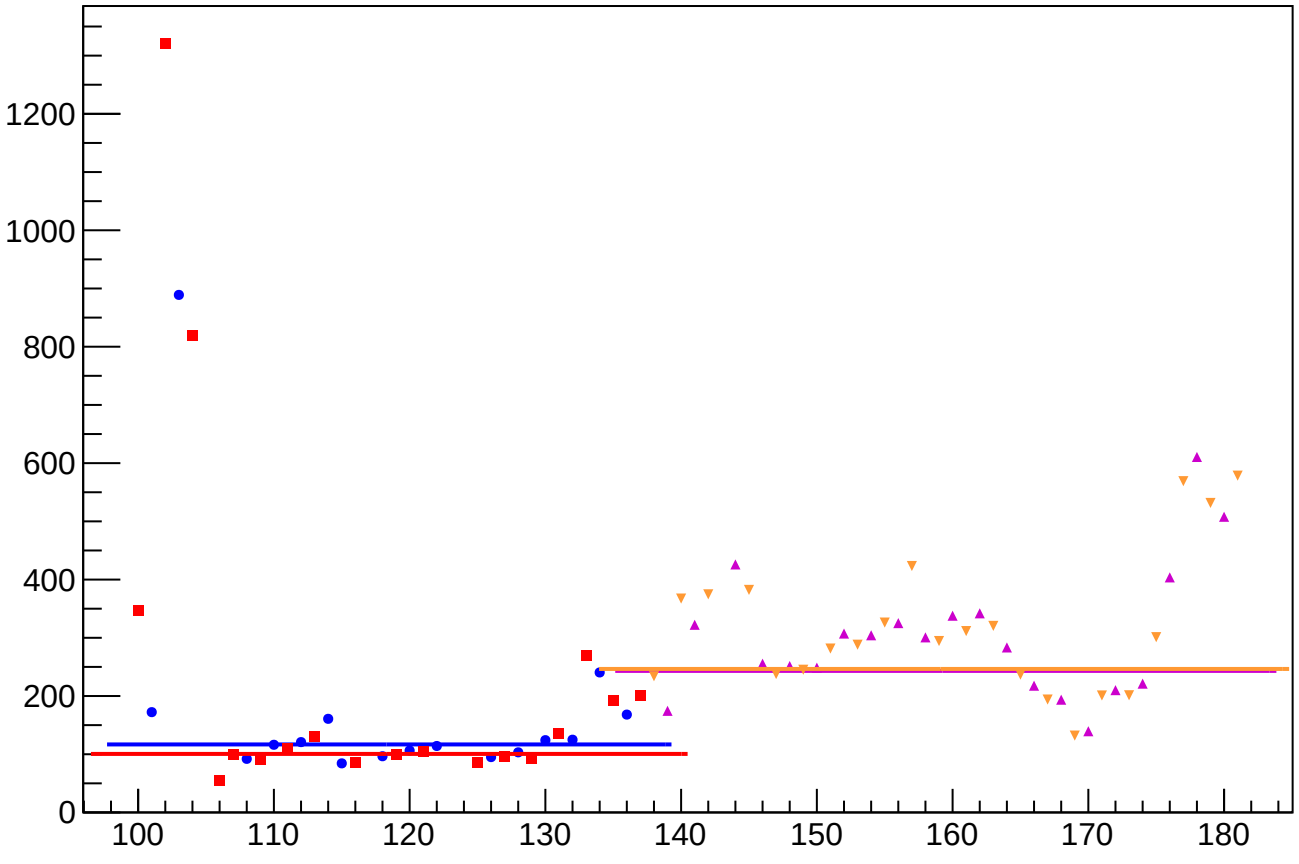
Right In: 0.043+/-0.047 χ²/NDF: 10.3/15
Left Out: 0.020+/-0.064 χ²/NDF:27.6/21
Right Out: 0.006+/-0.043 χ²/NDF: 26.0/17
Left In: -0.057+/-0.063 χ²/NDF:27.7/20
+ sign 0.035+/-0.038 χ²/NDF: 37.9/37
All: 0.009+/-0.026 χ²/NDF: 93.2/76
- sign -0.014+/-0.036 χ²/NDF: 54.4/38



Right In: 116.841+/-0.034 χ^2/NDF: 1620809.7/15

Left Out: 246.505+/-0.045 χ^2/NDF:4116101.1/21

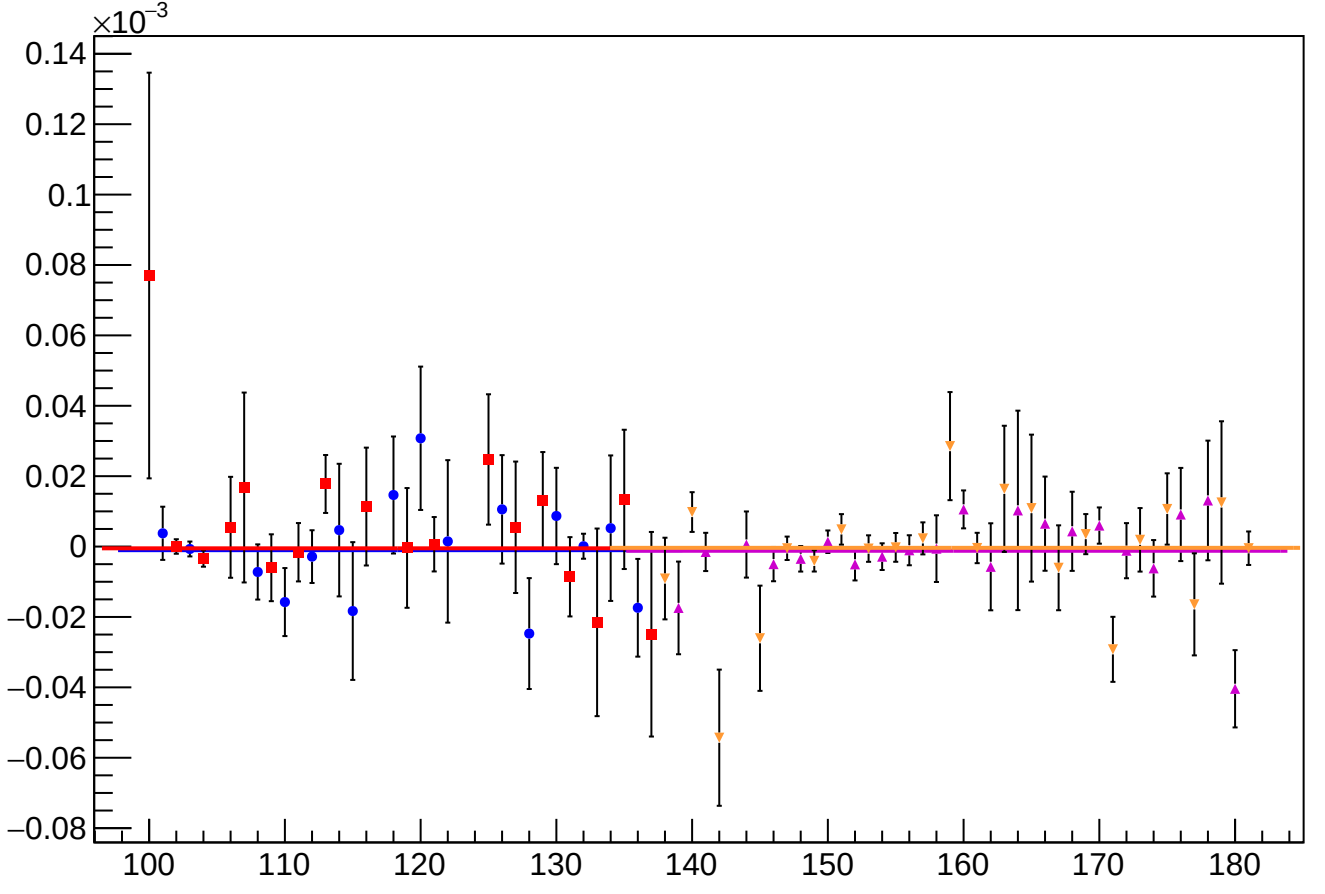
Right Out: 100.544+/-0.031 χ^2/NDF: 2664151.6/17

Left In: 243.153+/-0.045 χ^2/NDF:3551418.6/20

+ sign 162.904+/-0.027 χ^2/NDF: 11038888.8/37

All: 154.117+/-0.018 χ^2/NDF: 24403160.0/76

- sign 146.394+/-0.025 χ^2/NDF: 13164553.0/38



Right In: -0.000+/-0.000 χ^2/NDF: 12.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:35.8/21

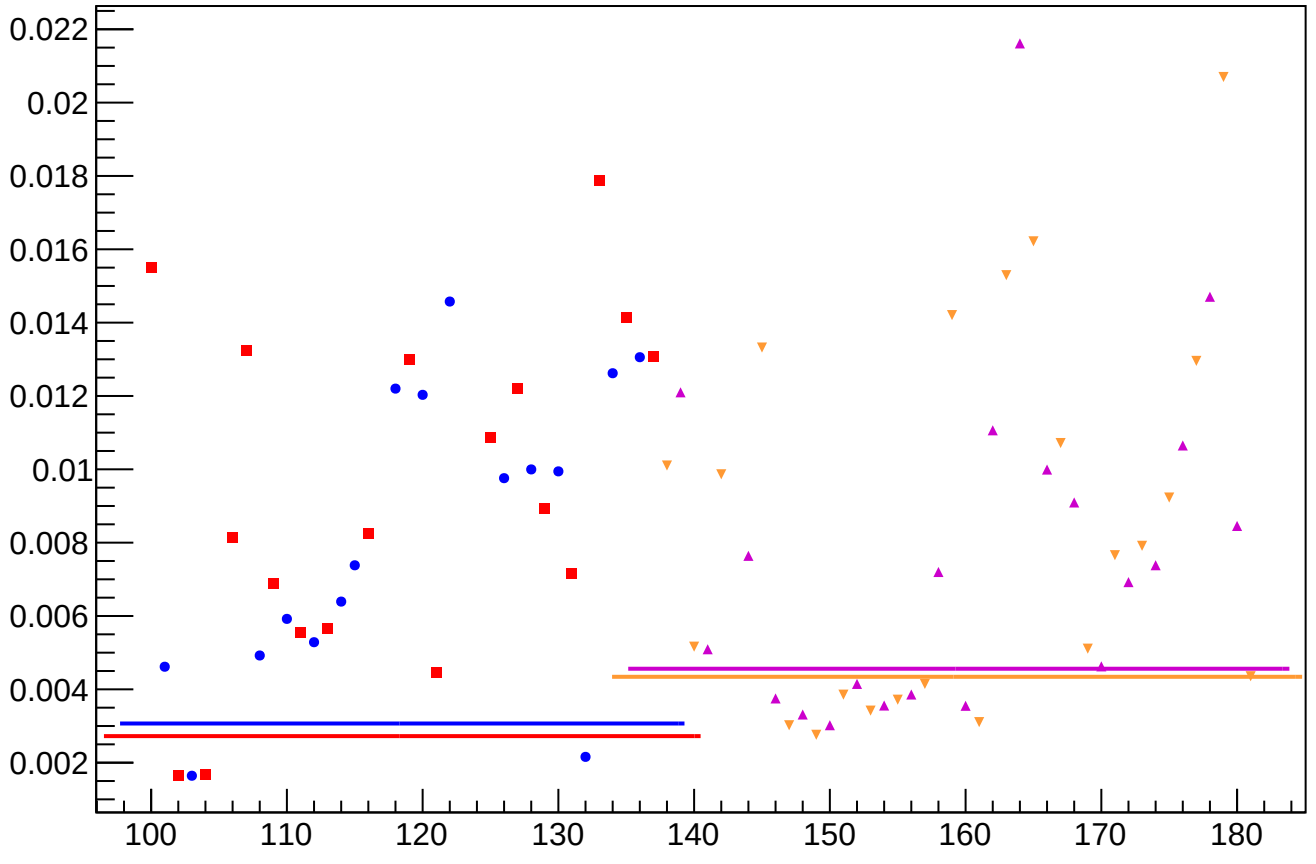
Right Out: -0.000+/-0.000 χ^2/NDF: 15.1/17

Left In: -0.000+/-0.000 χ^2/NDF:26.1/20

+ sign -0.000+/-0.000 χ^2/NDF: 48.5/37

All: -0.000+/-0.000 χ^2/NDF: 89.8/76

- sign -0.000+/-0.000 χ^2/NDF: 41.3/38



Right In: 0.003+/-0.000 χ^2/NDF: 5964299.9/15

Left Out: 0.004+/-0.000 χ^2/NDF:8205256.1/21

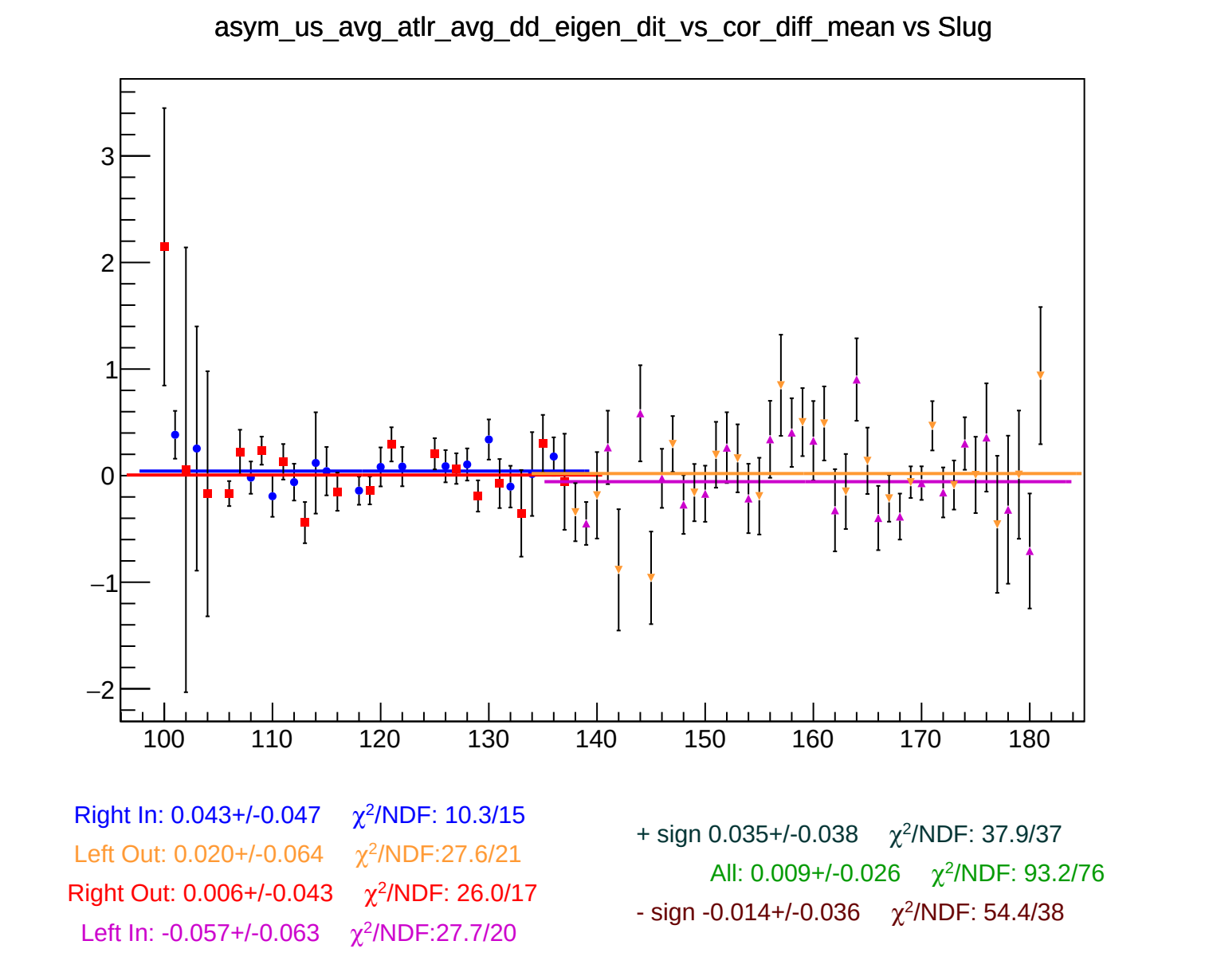
Right Out: 0.003+/-0.000 χ^2/NDF: 6713699.1/17

Left In: 0.005+/-0.000 χ^2/NDF:5830634.9/20

+ sign 0.004+/-0.000 χ^2/NDF: 14979058.5/37

All: 0.004+/-0.000 χ^2/NDF: 29406385.2/76

- sign 0.004+/-0.000 χ^2/NDF: 14401910.8/38


asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug
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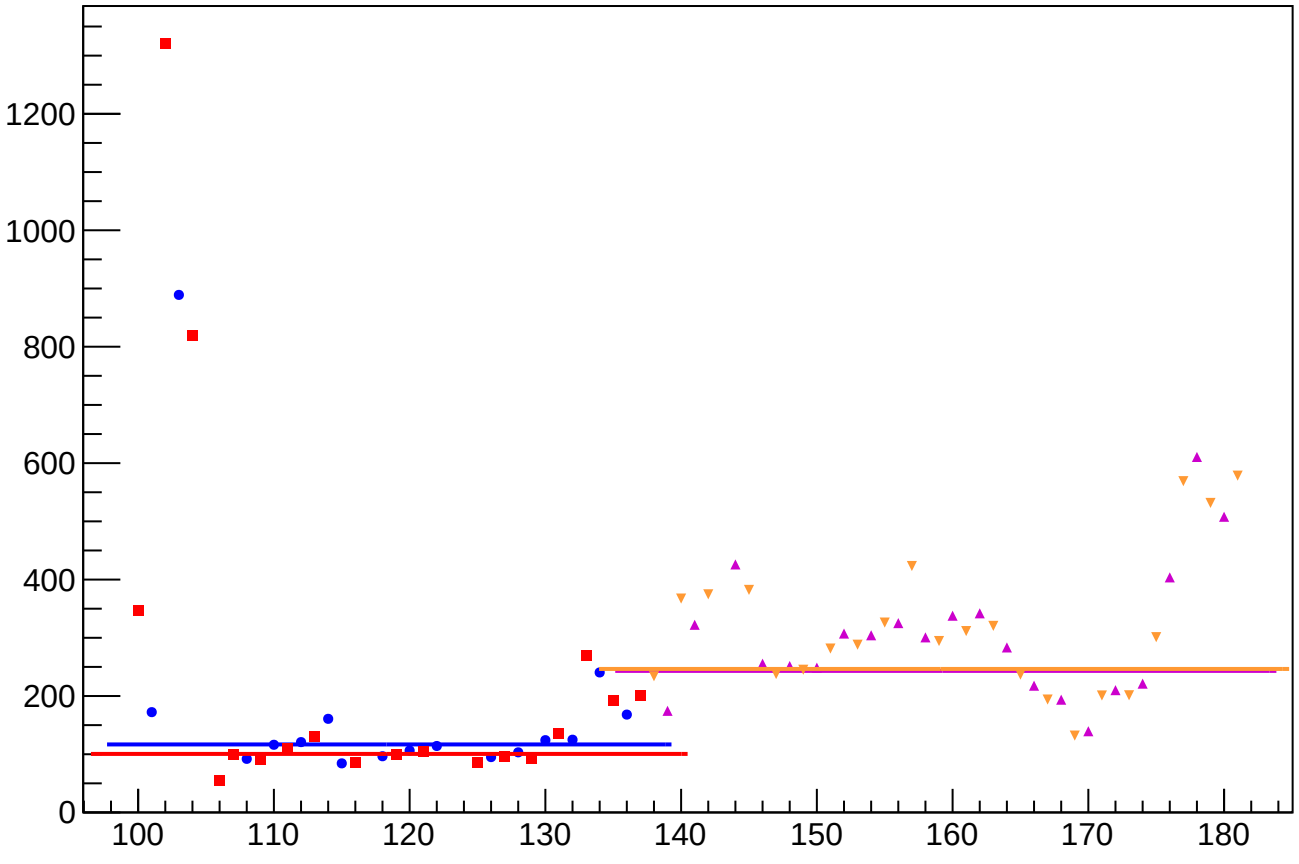
Right In: 0.043+/-0.047 χ²/NDF: 10.3/15
Left Out: 0.020+/-0.064 χ²/NDF:27.6/21
Right Out: 0.006+/-0.043 χ²/NDF: 26.0/17
Left In: -0.057+/-0.063 χ²/NDF:27.7/20
+ sign 0.035+/-0.038 χ²/NDF: 37.9/37
All: 0.009+/-0.026 χ²/NDF: 93.2/76
- sign -0.014+/-0.036 χ²/NDF: 54.4/38



Right In: 116.841+/-0.034 χ^2/NDF: 1620812.6/15

Left Out: 246.505+/-0.045 χ^2/NDF:4116254.9/21

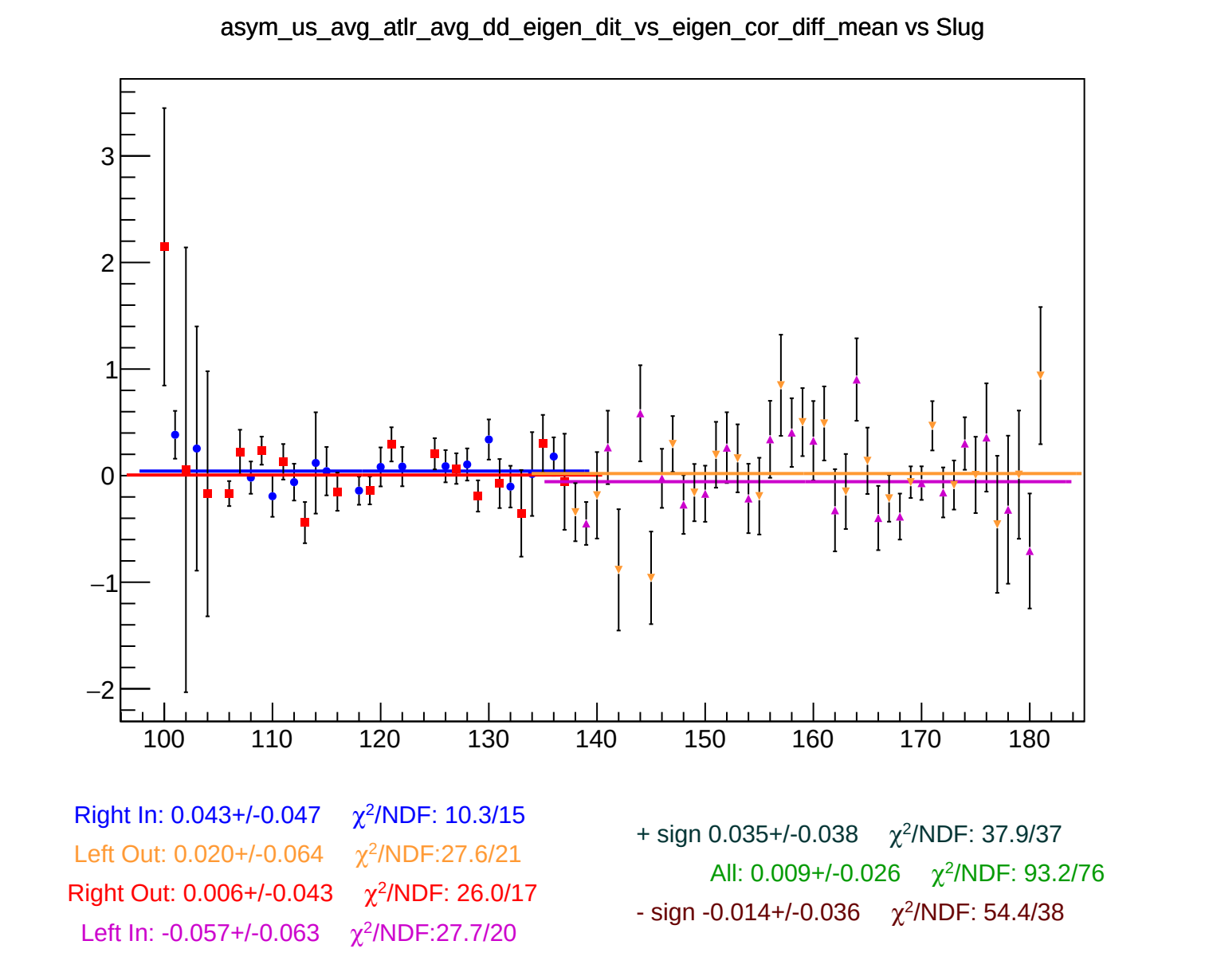
Right Out: 100.543+/-0.031 χ^2/NDF: 2664231.9/17

Left In: 243.154+/-0.045 χ^2/NDF:3551480.9/20

+ sign 162.903+/-0.027 χ^2/NDF: 11039048.2/37

All: 154.117+/-0.018 χ^2/NDF: 24403676.7/76

- sign 146.393+/-0.025 χ^2/NDF: 13164891.5/38


asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
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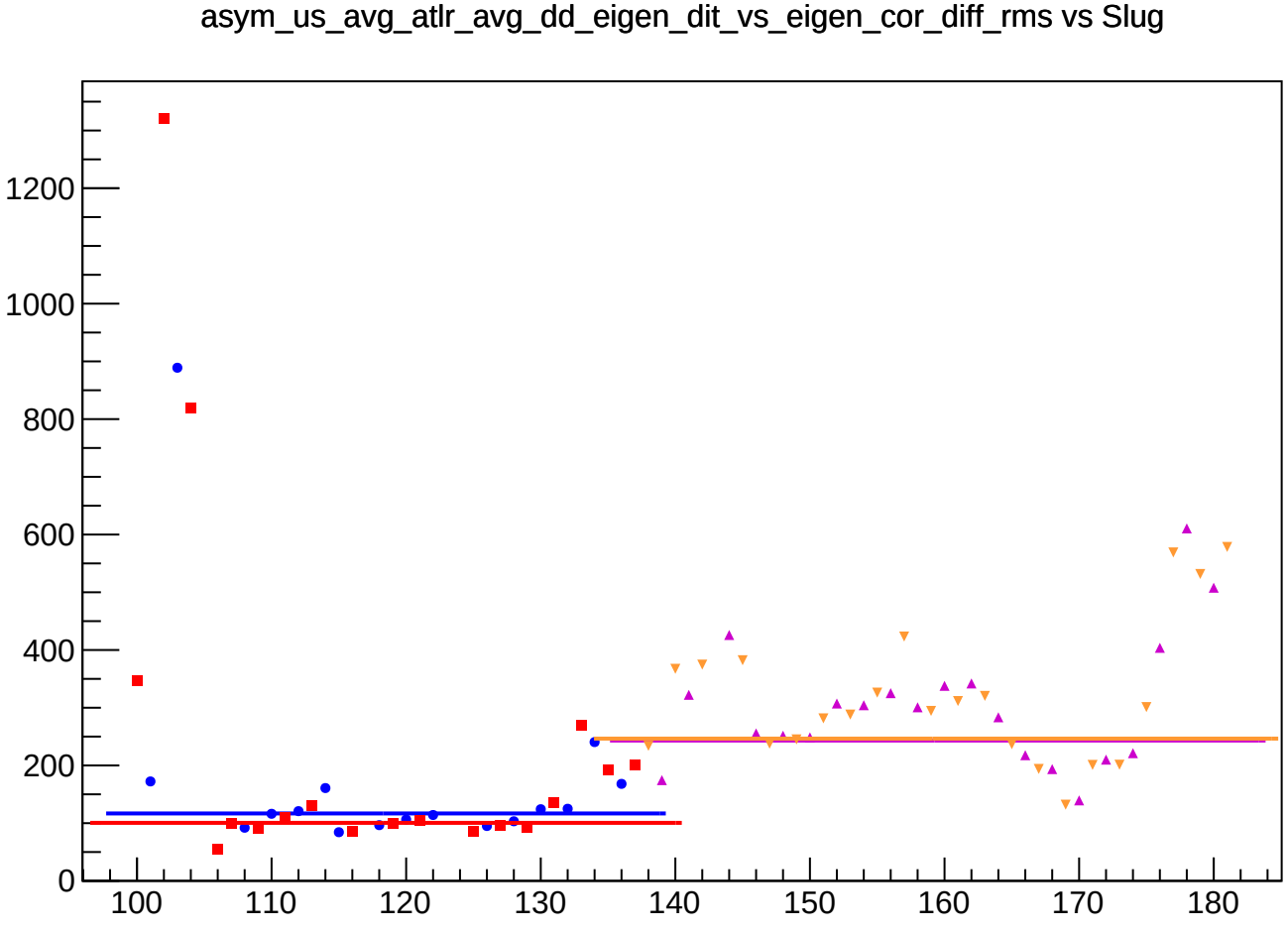
Right In: 0.043+/-0.047 χ²/NDF: 10.3/15
Left Out: 0.020+/-0.064 χ²/NDF:27.6/21
Right Out: 0.006+/-0.043 χ²/NDF: 26.0/17
Left In: -0.057+/-0.063 χ²/NDF:27.7/20
+ sign 0.035+/-0.038 χ²/NDF: 37.9/37
All: 0.009+/-0.026 χ²/NDF: 93.2/76
- sign -0.014+/-0.036 χ²/NDF: 54.4/38



Right In: 116.841+/-0.034 χ^2/NDF: 1620812.6/15

Left Out: 246.505+/-0.045 χ^2/NDF:4116254.9/21

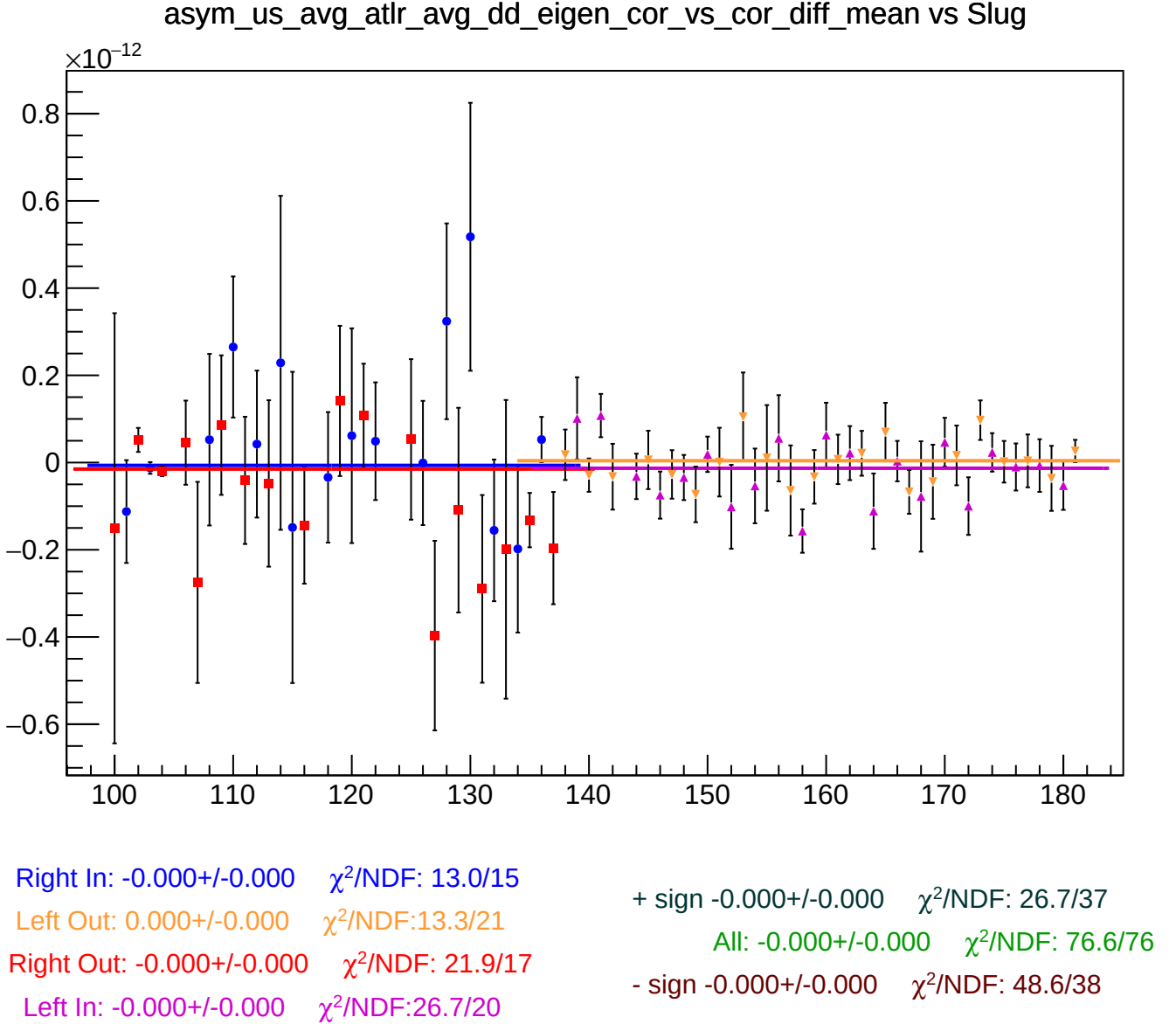
Right Out: 100.543+/-0.031 χ^2/NDF: 2664231.9/17

Left In: 243.154+/-0.045 χ^2/NDF:3551480.9/20

+ sign 162.903+/-0.027 χ^2/NDF: 11039048.2/37

All: 154.117+/-0.018 χ^2/NDF: 24403676.7/76

- sign 146.393+/-0.025 χ^2/NDF: 13164891.5/38


asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
100
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120
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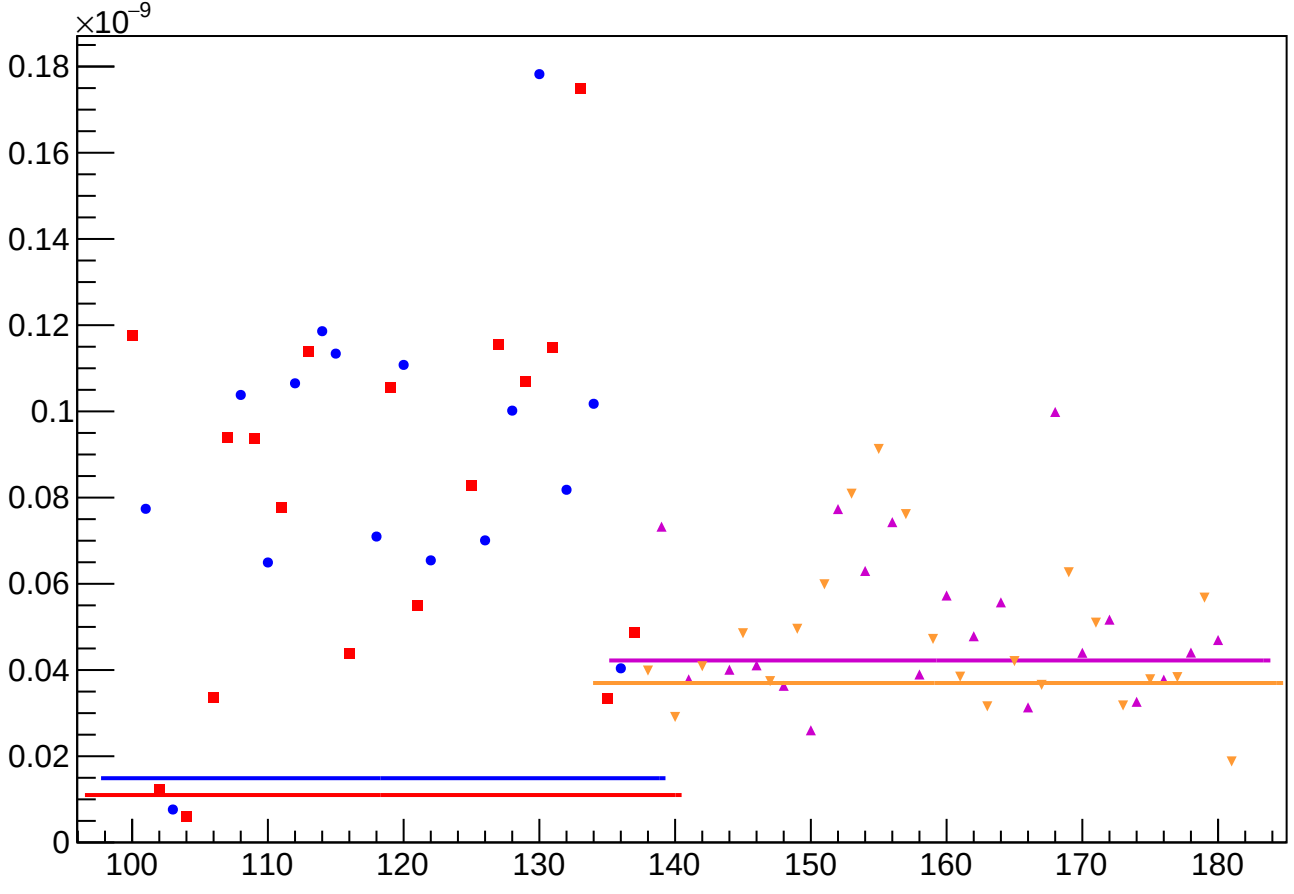
170
180
Right In: -0.000+/-0.000 χ²/NDF: 13.0/15
Left Out: 0.000+/-0.000 χ²/NDF:13.3/21
Right Out: -0.000+/-0.000 χ²/NDF: 21.9/17
Left In: -0.000+/-0.000 χ²/NDF:26.7/20
+ sign -0.000+/-0.000 χ²/NDF: 26.7/37
All: -0.000+/-0.000 χ²/NDF: 76.6/76
- sign -0.000+/-0.000 χ²/NDF: 48.6/38



Right In: 0.000+/-0.000 χ^2/NDF: 5893030.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:2996262.6/21

Right Out: 0.000+/-0.000 χ^2/NDF: 5866969.2/17

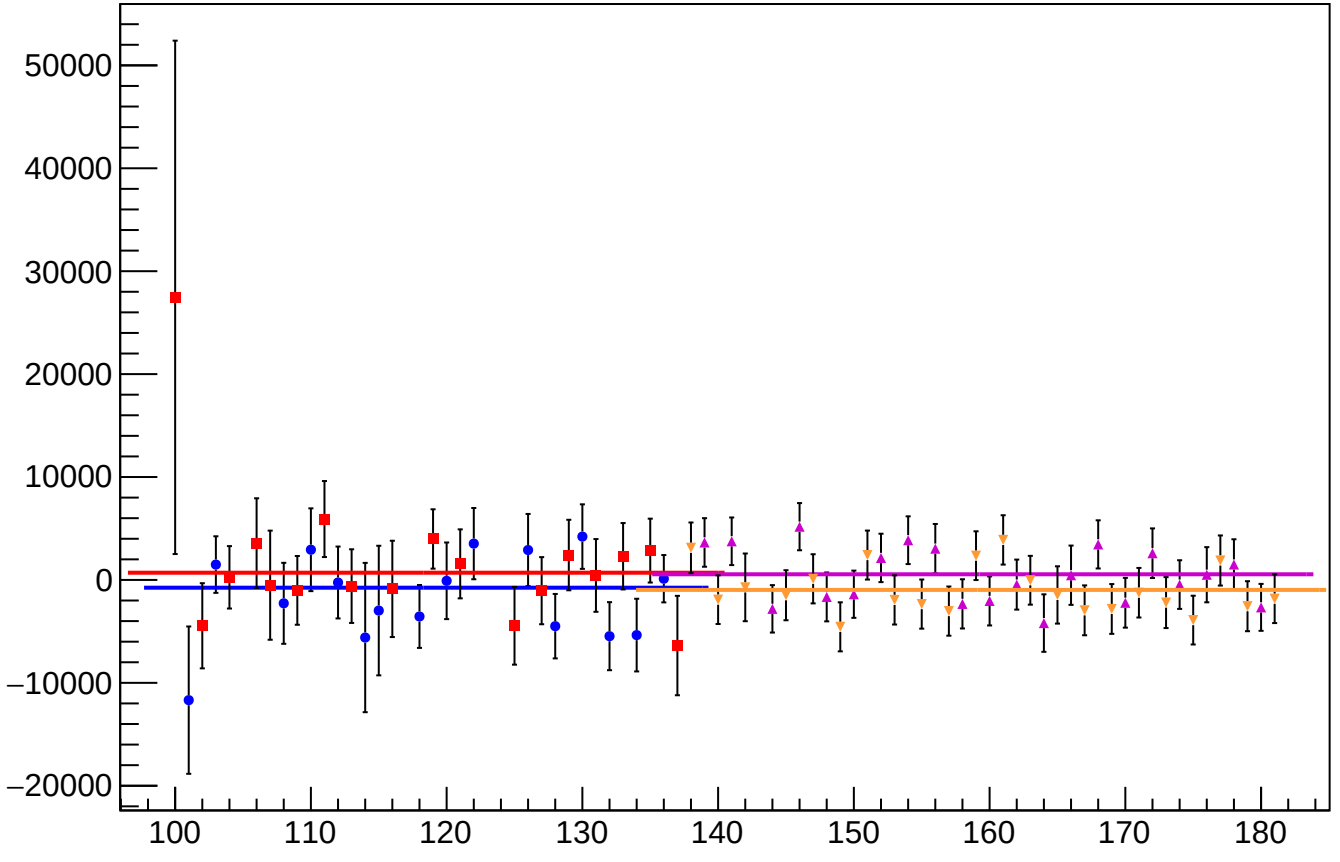
Left In: 0.000+/-0.000 χ^2/NDF:2025478.3/20

+ sign 0.000+/-0.000 χ^2/NDF: 12200622.2/37

All: 0.000+/-0.000 χ^2/NDF: 27748843.6/76

- sign 0.000+/-0.000 χ^2/NDF: 15316466.1/38

reg_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -754.291+/-872.652 χ^2/NDF: 15.9/15

Left Out: -968.624+/-520.623 χ^2/NDF:20.0/21

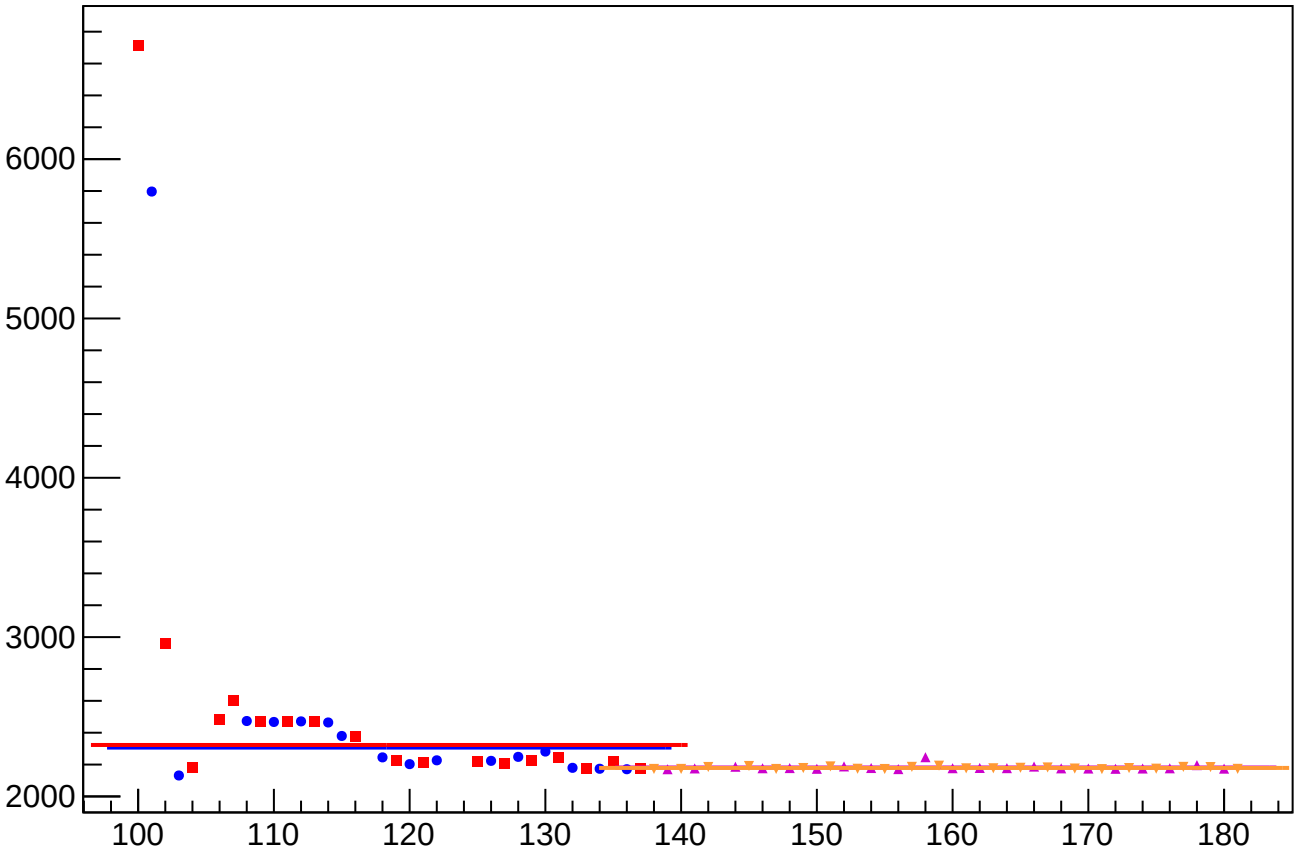
Right Out: 702.198+/-868.647 χ^2/NDF: 12.4/17

Left In: 549.265+/-525.209 χ^2/NDF:26.5/20

+ sign -912.362+/-447.100 χ^2/NDF: 35.9/37

All: -165.003+/-316.972 χ^2/NDF: 80.4/76

- sign 590.206+/-449.442 χ^2/NDF: 38.9/38



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.3/15

Left Out: 2178.983+/-0.368 χ^2/NDF:318.6/21

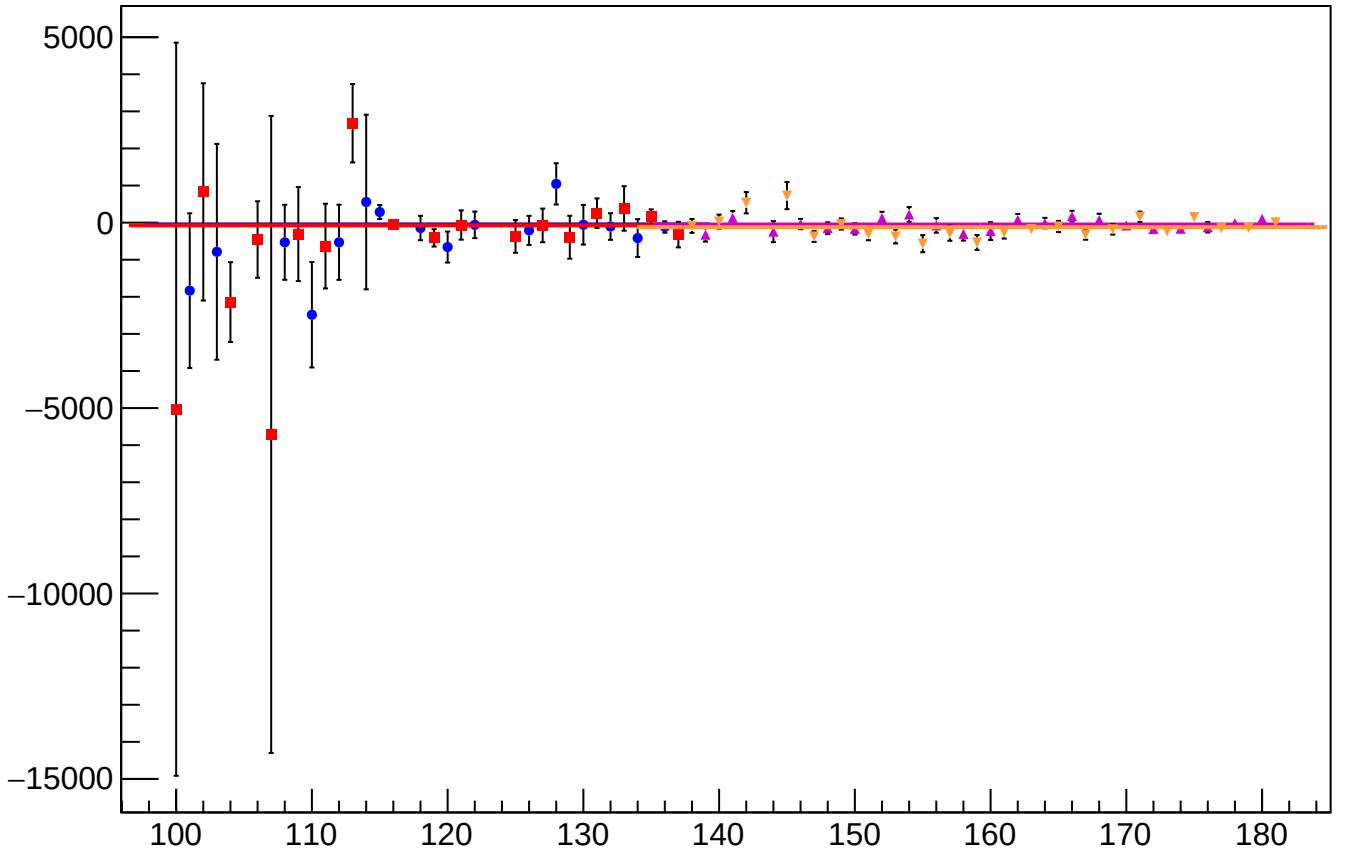
Right Out: 2323.010+/-0.614 χ^2/NDF: 151787.1/17

Left In: 2181.662+/-0.371 χ^2/NDF:1799.5/20

+ sign 2212.494+/-0.316 χ^2/NDF: 546035.0/37

All: 2215.980+/-0.224 χ^2/NDF: 738646.5/76

- sign 2219.502+/-0.318 χ^2/NDF: 192367.0/38



Right In: -47.927+/-90.914 χ^2/NDF: 14.4/15

Left Out: -124.188+/-31.472 χ^2/NDF:42.2/21

Right Out: -74.200+/-82.384 χ^2/NDF: 17.6/17

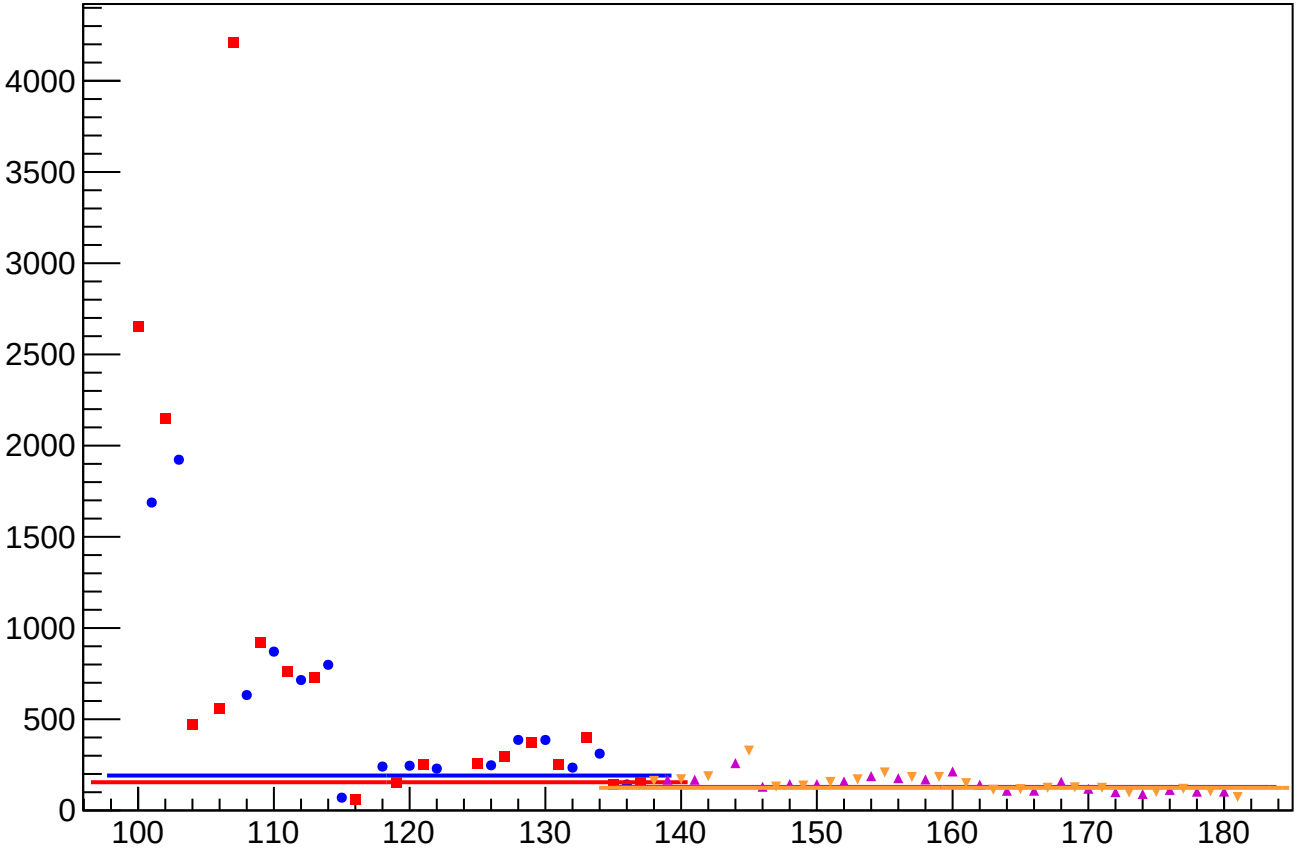
Left In: -51.530+/-32.709 χ^2/NDF:17.9/20

+ sign -116.028+/-29.740 χ^2/NDF: 57.2/37

All: -85.997+/-21.259 χ^2/NDF: 95.0/76

- sign -54.617+/-30.401 χ^2/NDF: 35.6/38

asym_us_dd_at1lr_dd_avg_reg_correction_rms vs Slug



Right In: 191.381+/-0.064 χ^2/NDF: 5064747.7/15

Left Out: 123.967+/-0.022 χ^2/NDF:2761034.0/21

Right Out: 154.677+/-0.058 χ^2/NDF: 6154285.9/17

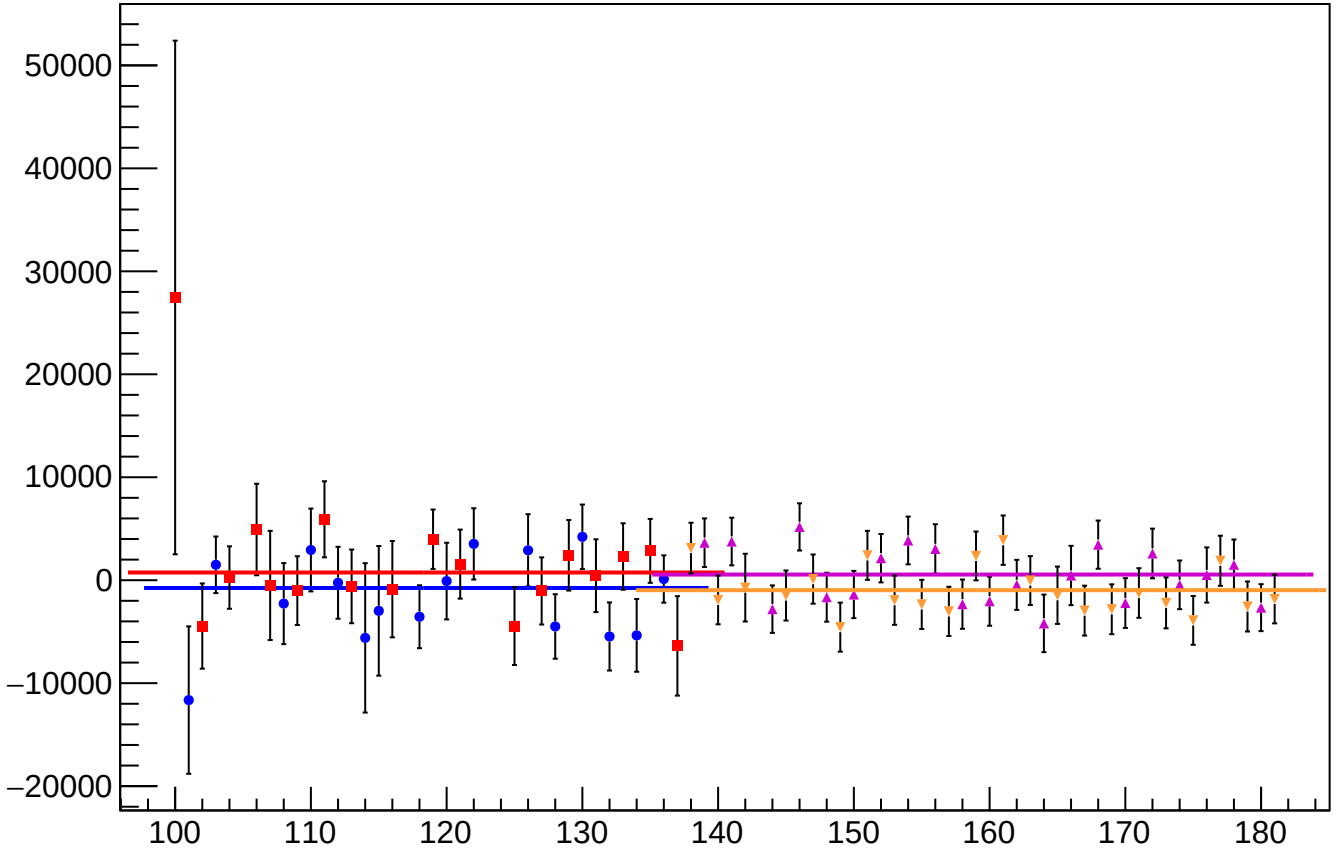
Left In: 128.979+/-0.023 χ^2/NDF:2152871.7/20

+ sign 131.181+/-0.021 χ^2/NDF: 8807770.9/37

All: 131.816+/-0.015 χ^2/NDF: 17284883.5/76

- sign 132.479+/-0.021 χ^2/NDF: 8475251.0/38

cor_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -753.322+/-872.653 χ^2/NDF: 15.9/15

Left Out: -968.578+/-520.623 χ^2/NDF:20.0/21

Right Out: 749.316+/-869.366 χ^2/NDF: 12.8/17

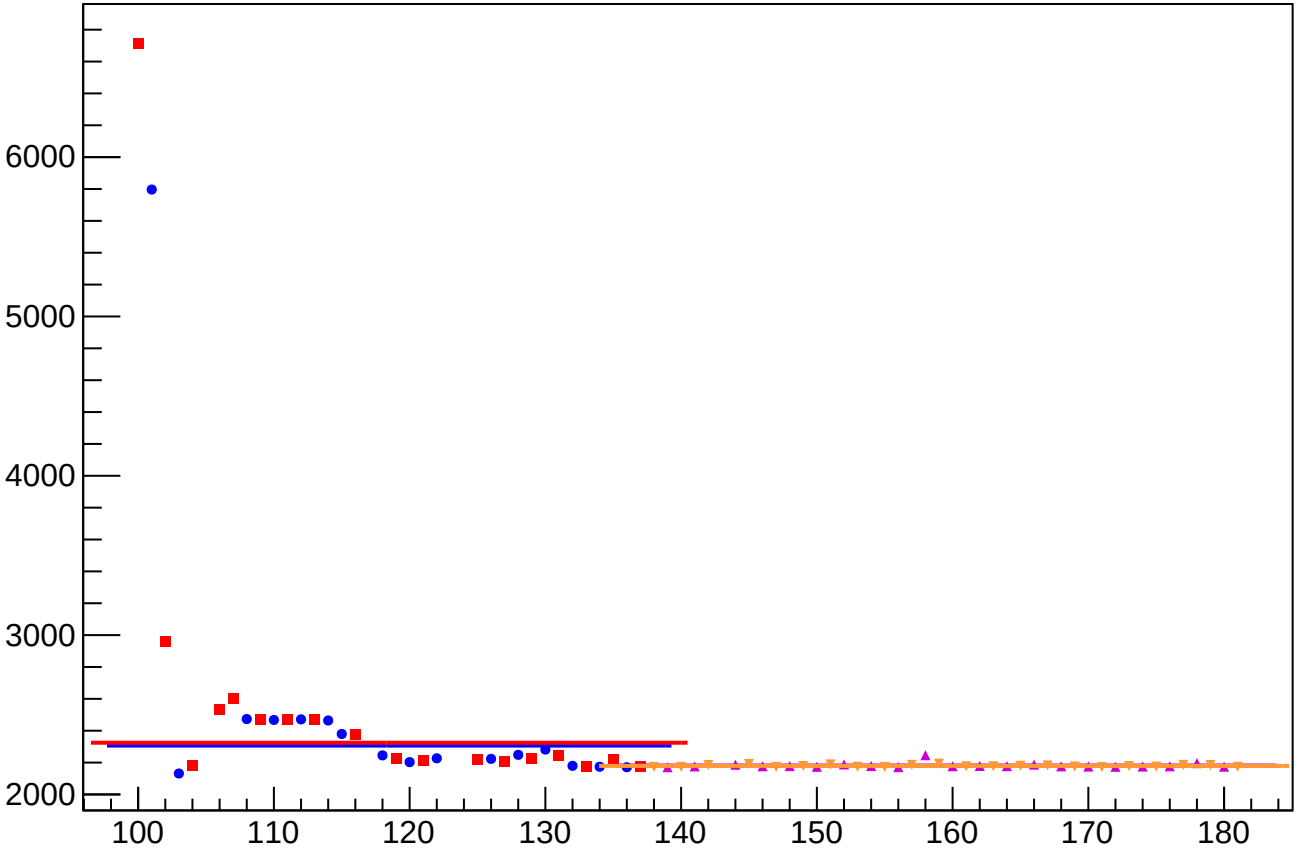
Left In: 549.256+/-525.209 χ^2/NDF:26.6/20

+ sign -912.073+/-447.100 χ^2/NDF: 35.9/37

All: -158.787+/-317.007 χ^2/NDF: 81.0/76

- sign 602.749+/-449.542 χ^2/NDF: 39.4/38

cor_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.6/15

Left Out: 2178.983+/-0.368 χ^2/NDF:318.6/21

Right Out: 2324.685+/-0.615 χ^2/NDF: 153578.5/17

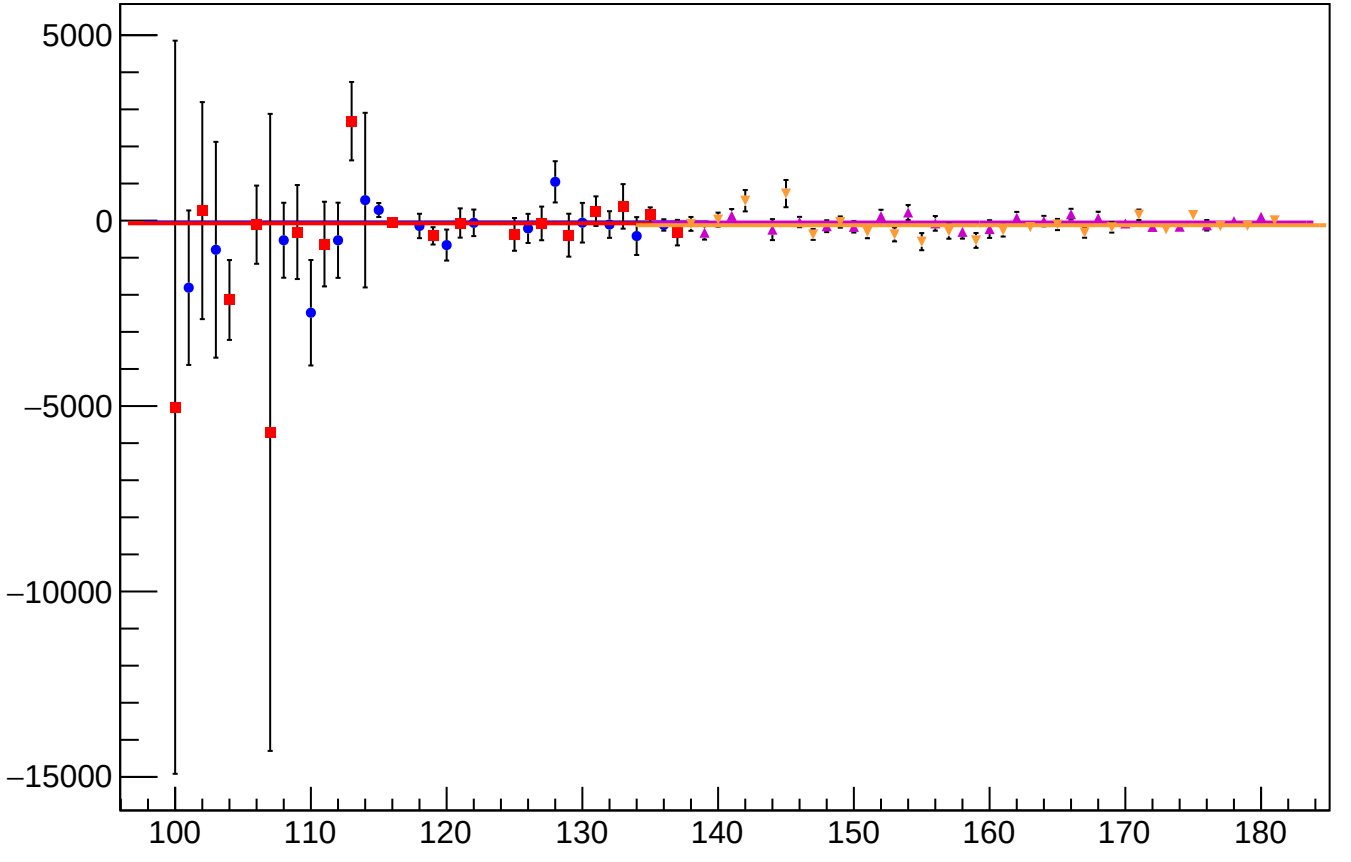
Left In: 2181.662+/-0.371 χ^2/NDF:1799.5/20

+ sign 2212.494+/-0.316 χ^2/NDF: 546035.3/37

All: 2216.179+/-0.224 χ^2/NDF: 741343.1/76

- sign 2219.904+/-0.318 χ^2/NDF: 195034.5/38

asym_us_dd_at1lr_dd_avg_cor_correction_mean vs Slug



Right In: -47.960+/-90.920 χ^2/NDF: 14.4/15

Left Out: -124.110+/-31.472 χ^2/NDF:42.2/21

Right Out: -72.198+/-82.322 χ^2/NDF: 17.4/17

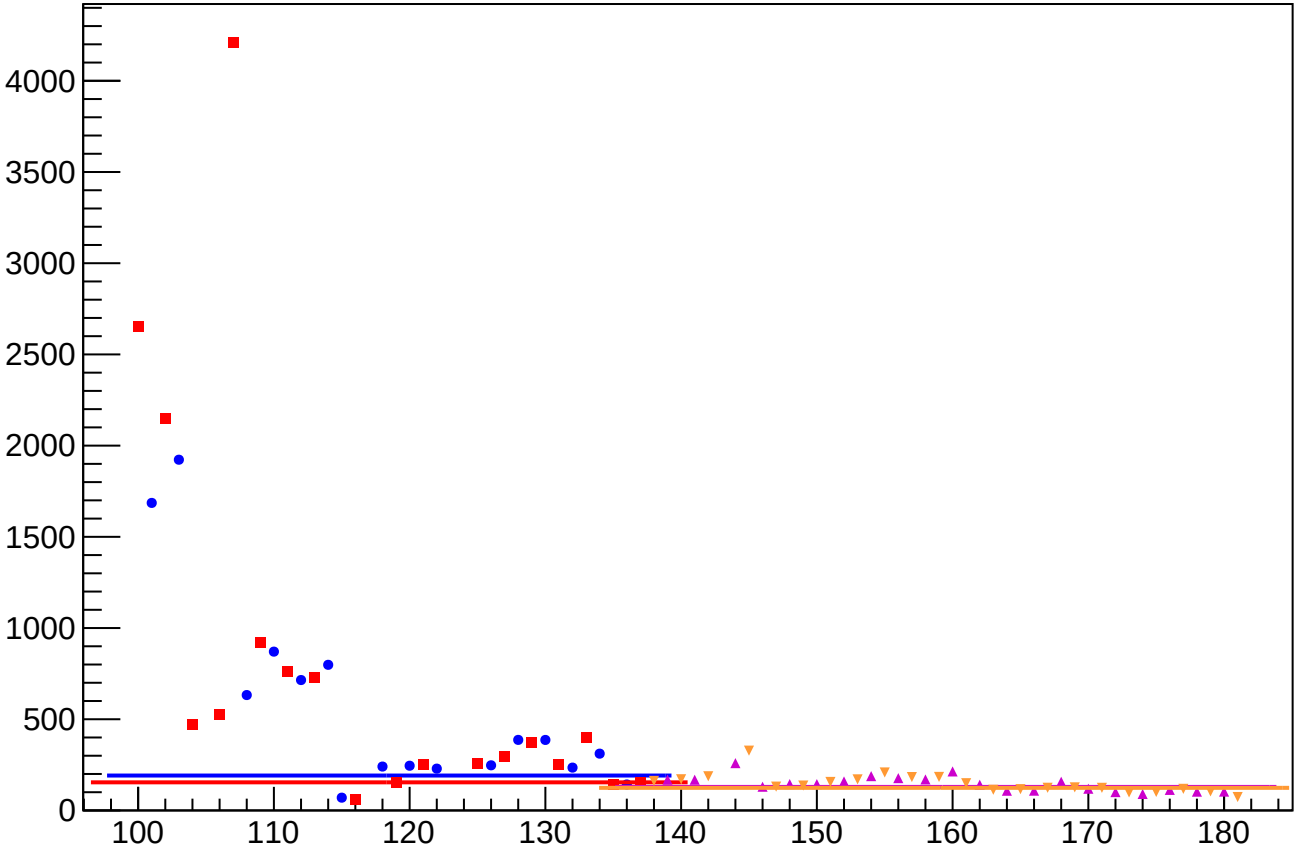
Left In: -51.430+/-32.712 χ^2/NDF:18.0/20

+ sign -115.962+/-29.740 χ^2/NDF: 57.2/37

All: -85.789+/-21.259 χ^2/NDF: 94.7/76

- sign -54.262+/-30.400 χ^2/NDF: 35.4/38

asym_us_dd_at1lr_dd_avg_cor_correction_rms vs Slug



Right In: 191.405+/-0.064 χ^2/NDF: 5063603.7/15

Left Out: 123.963+/-0.022 χ^2/NDF:2761734.4/21

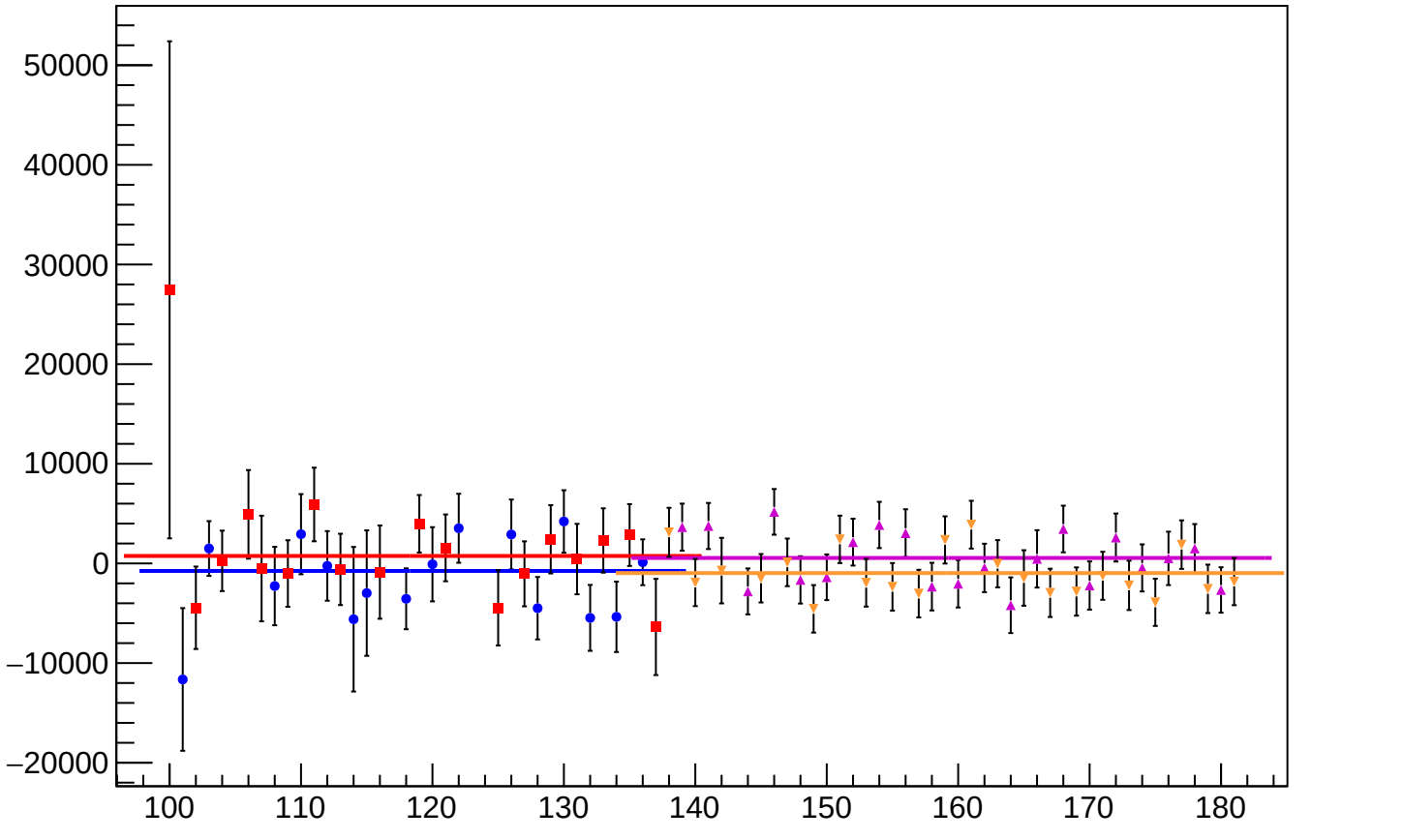
Right Out: 154.121+/-0.058 χ^2/NDF: 6108665.0/17

Left In: 128.994+/-0.023 χ^2/NDF:2152670.4/20

+ sign 131.180+/-0.021 χ^2/NDF: 8808036.2/37

All: 131.786+/-0.015 χ^2/NDF: 17231994.5/76

- sign 132.421+/-0.021 χ^2/NDF: 8422254.9/38



Right In: -753.322+/-872.653 χ^2/NDF: 15.9/15

Left Out: -968.578+/-520.623 χ^2/NDF:20.0/21

Right Out: 749.316+/-869.366 χ^2/NDF: 12.8/17

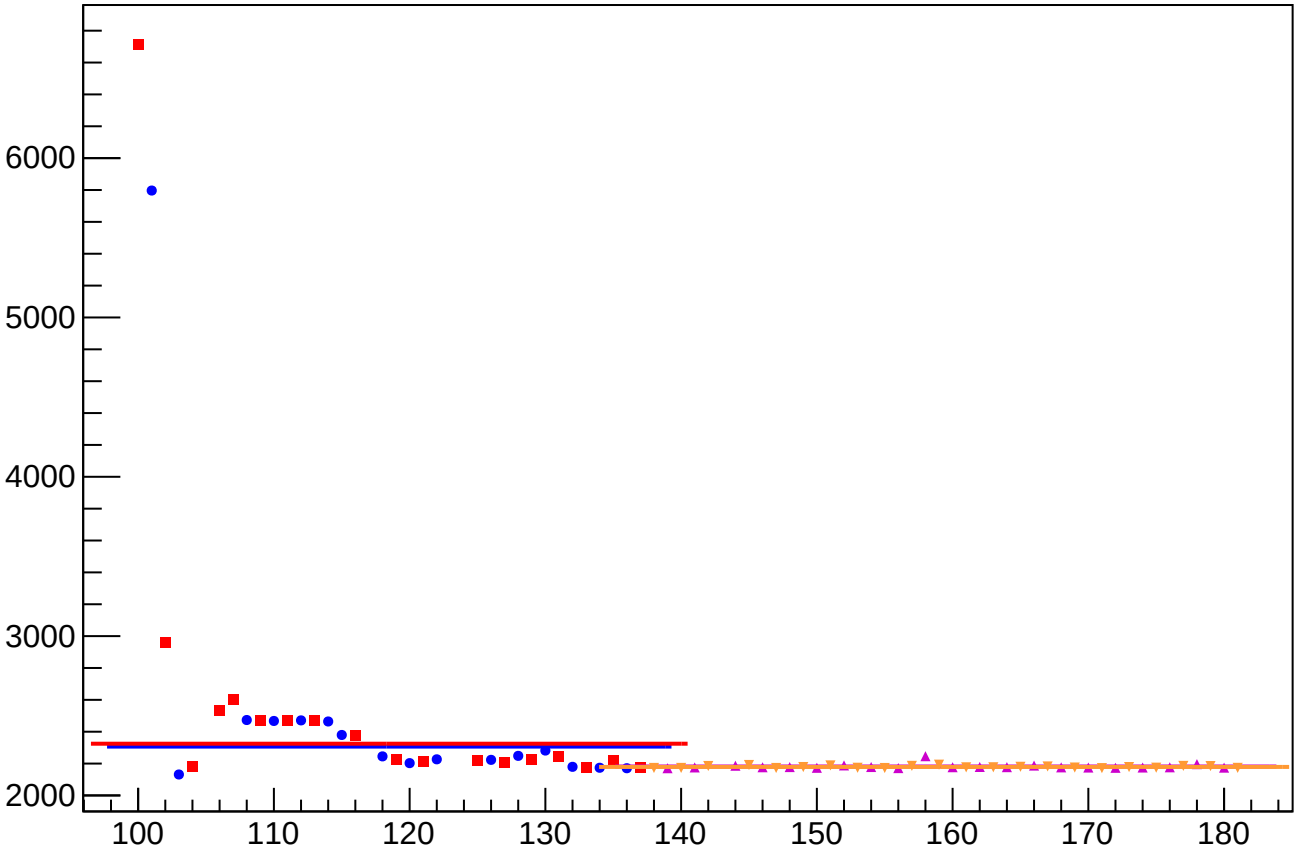
Left In: 549.256+/-525.209 χ^2/NDF:26.6/20

+ sign -912.073+/-447.100 χ^2/NDF: 35.9/37

All: -158.787+/-317.007 χ^2/NDF: 81.0/76

- sign 602.749+/-449.542 χ^2/NDF: 39.4/38

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: 2178.983+/-0.368 χ^2/NDF:318.6/21

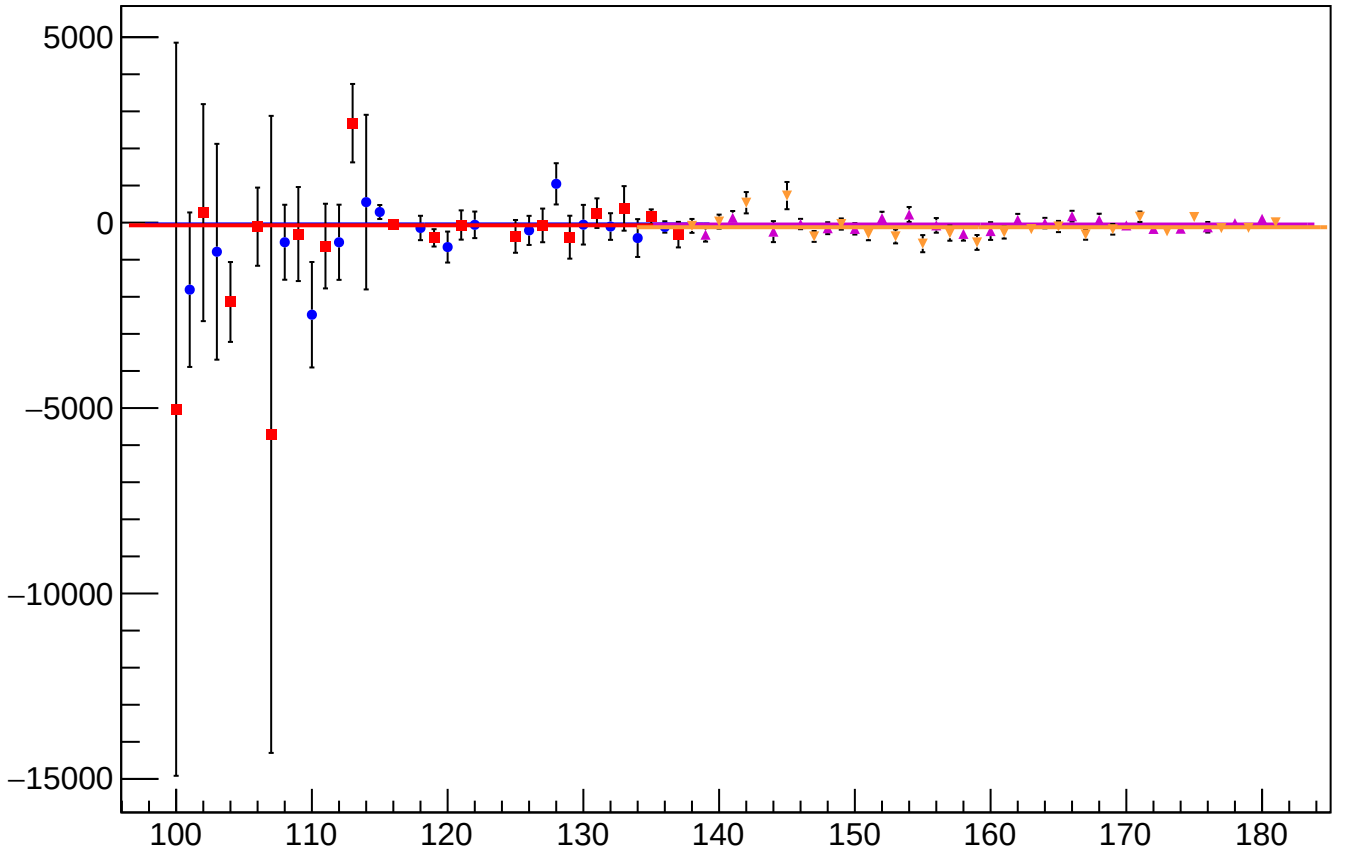
Right Out: 2324.685+/-0.615 χ^2/NDF: 153578.5/17

Left In: 2181.662+/-0.371 χ^2/NDF:1799.5/20

+ sign 2212.494+/-0.316 χ^2/NDF: 546035.3/37

All: 2216.179+/-0.224 χ^2/NDF: 741343.1/76

- sign 2219.904+/-0.318 χ^2/NDF: 195034.5/38



Right In: -47.960+/-90.920 χ^2/NDF: 14.4/15

Left Out: -124.110+/-31.472 χ^2/NDF:42.2/21

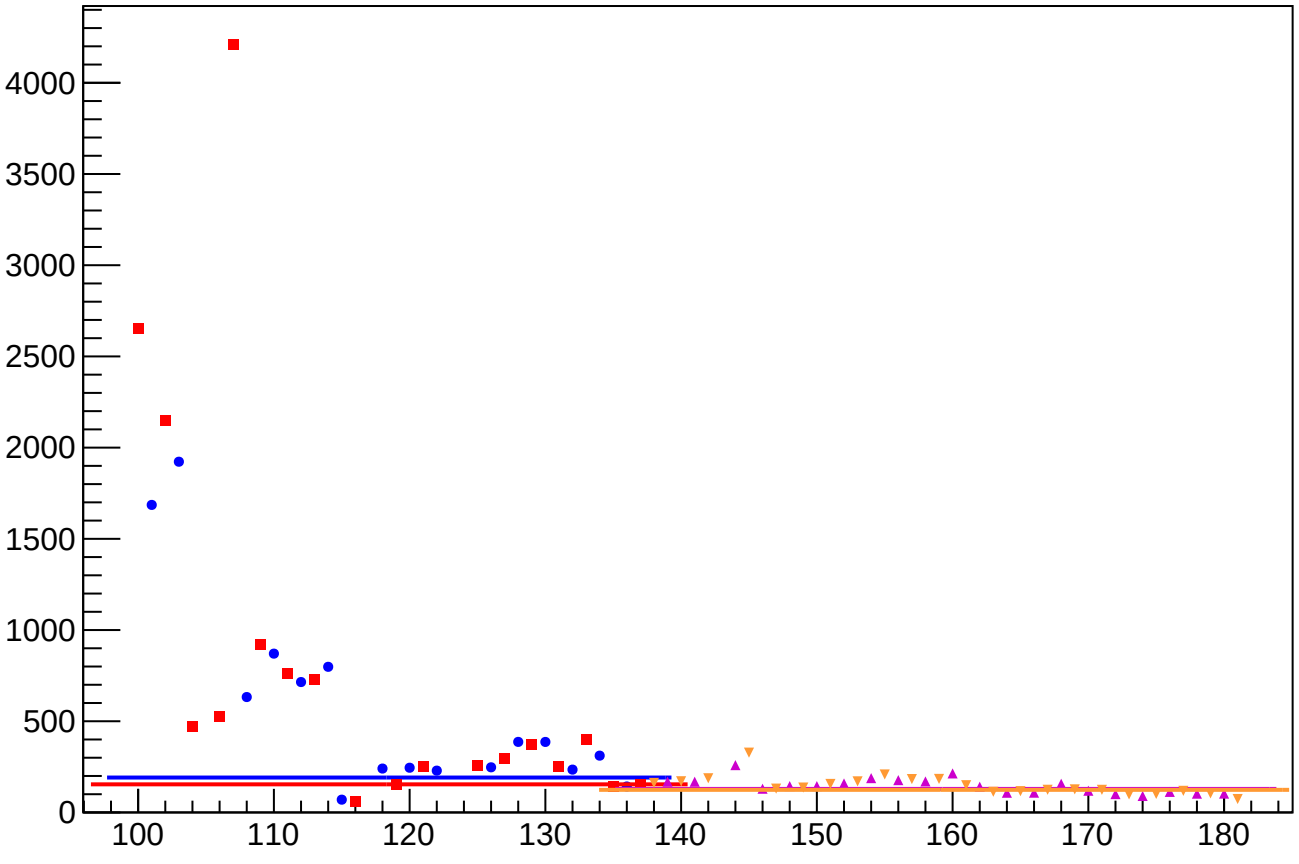
Right Out: -72.198+/-82.322 χ^2/NDF: 17.4/17

Left In: -51.430+/-32.712 χ^2/NDF:18.0/20

+ sign -115.962+/-29.740 χ^2/NDF: 57.2/37

All: -85.789+/-21.259 χ^2/NDF: 94.7/76

- sign -54.262+/-30.400 χ^2/NDF: 35.4/38



Right In: 191.405+/-0.064 χ^2/NDF: 5063603.7/15

Left Out: 123.963+/-0.022 χ^2/NDF:2761734.4/21

Right Out: 154.121+/-0.058 χ^2/NDF: 6108665.0/17

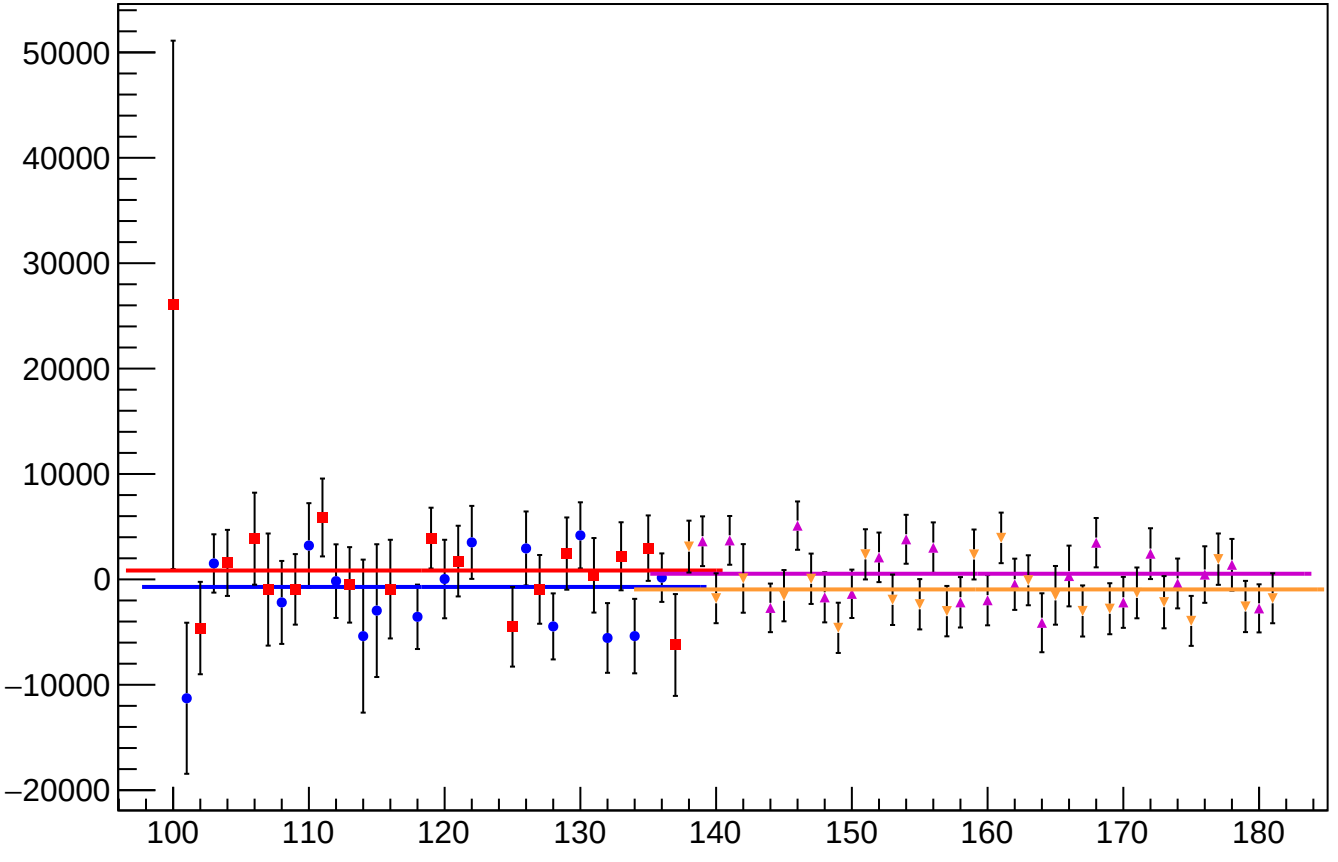
Left In: 128.994+/-0.023 χ^2/NDF:2152670.4/20

+ sign 131.180+/-0.021 χ^2/NDF: 8808036.2/37

All: 131.786+/-0.015 χ^2/NDF: 17231994.5/76

- sign 132.421+/-0.021 χ^2/NDF: 8422254.9/38

dit_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -717.136+/-873.539 χ^2/NDF: 15.8/15

Left Out: -952.022+/-520.685 χ^2/NDF:20.1/21

Right Out: 842.157+/-873.586 χ^2/NDF: 12.2/17

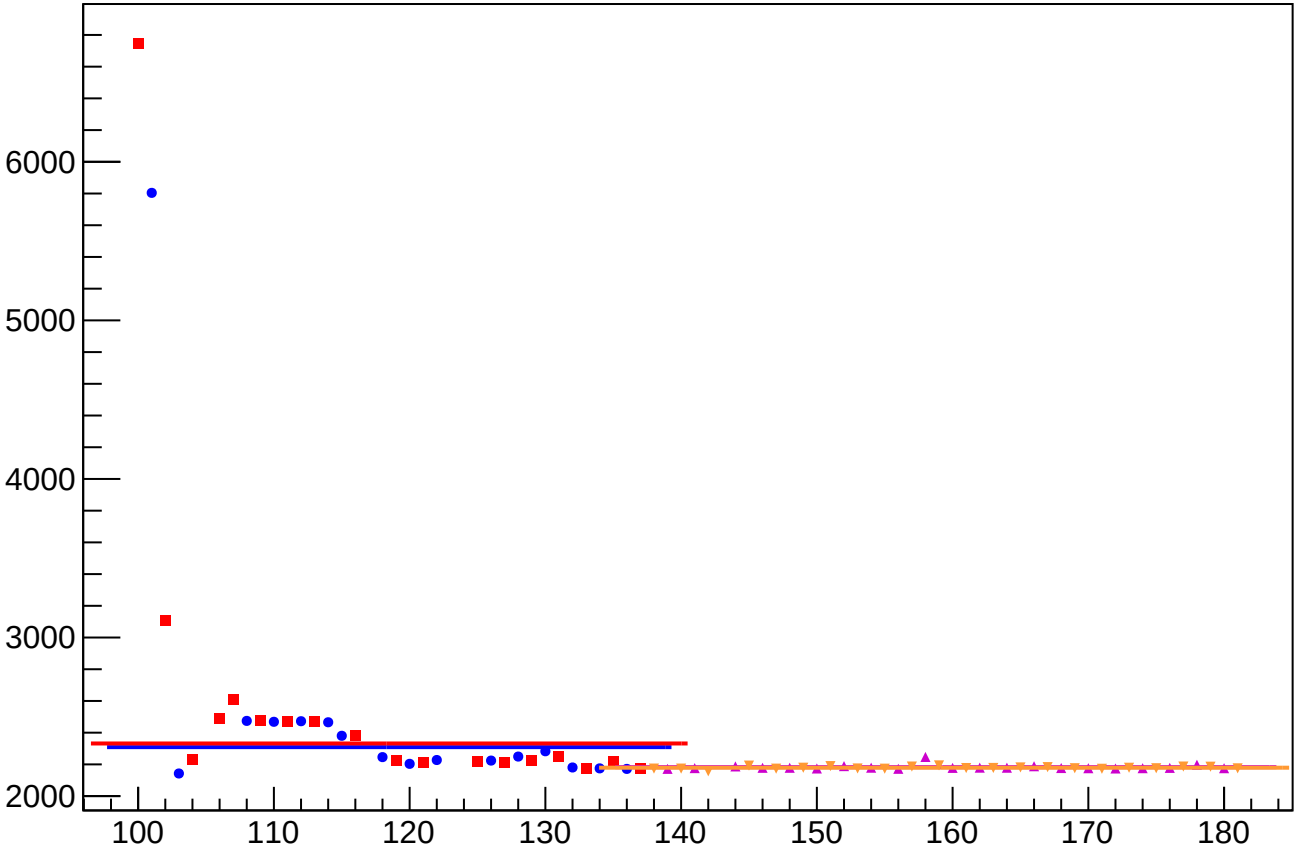
Left In: 534.780+/-525.412 χ^2/NDF:25.7/20

+ sign -890.446+/-447.259 χ^2/NDF: 36.0/37

All: -142.029+/-317.312 χ^2/NDF: 79.6/76

- sign 616.432+/-450.250 χ^2/NDF: 38.0/38

dit_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2308.739+/-0.618 χ^2/NDF: 513742.2/15

Left Out: 2179.097+/-0.368 χ^2/NDF:410.2/21

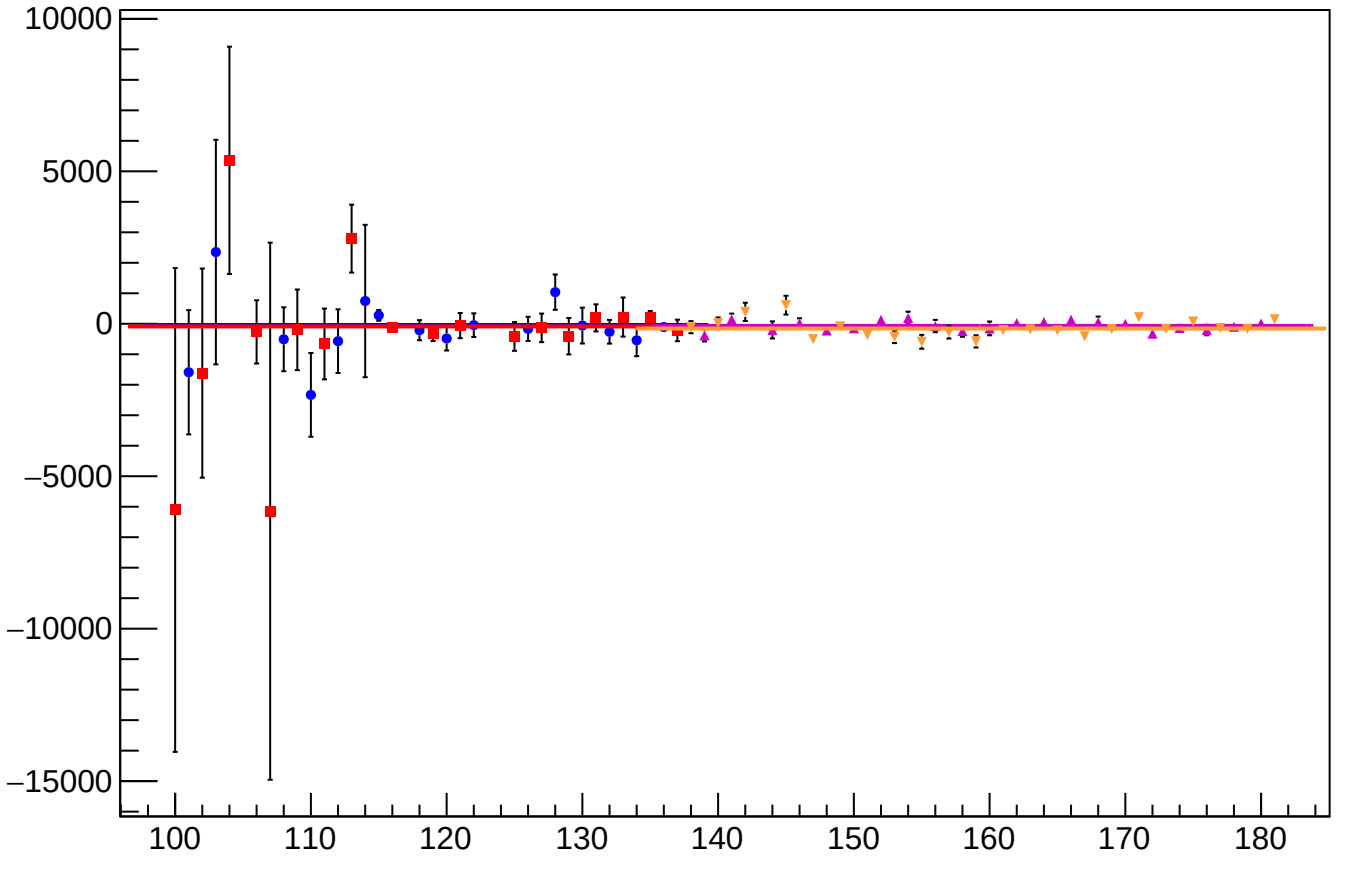
Right Out: 2331.849+/-0.618 χ^2/NDF: 167321.7/17

Left In: 2182.506+/-0.372 χ^2/NDF:1791.1/20

+ sign 2213.083+/-0.316 χ^2/NDF: 546655.6/37

All: 2217.600+/-0.224 χ^2/NDF: 759103.1/76

- sign 2222.178+/-0.318 χ^2/NDF: 212036.7/38



Right In: -40.119+/-92.409 χ^2/NDF: 14.1/15

Left Out: -155.711+/-34.131 χ^2/NDF:45.7/21

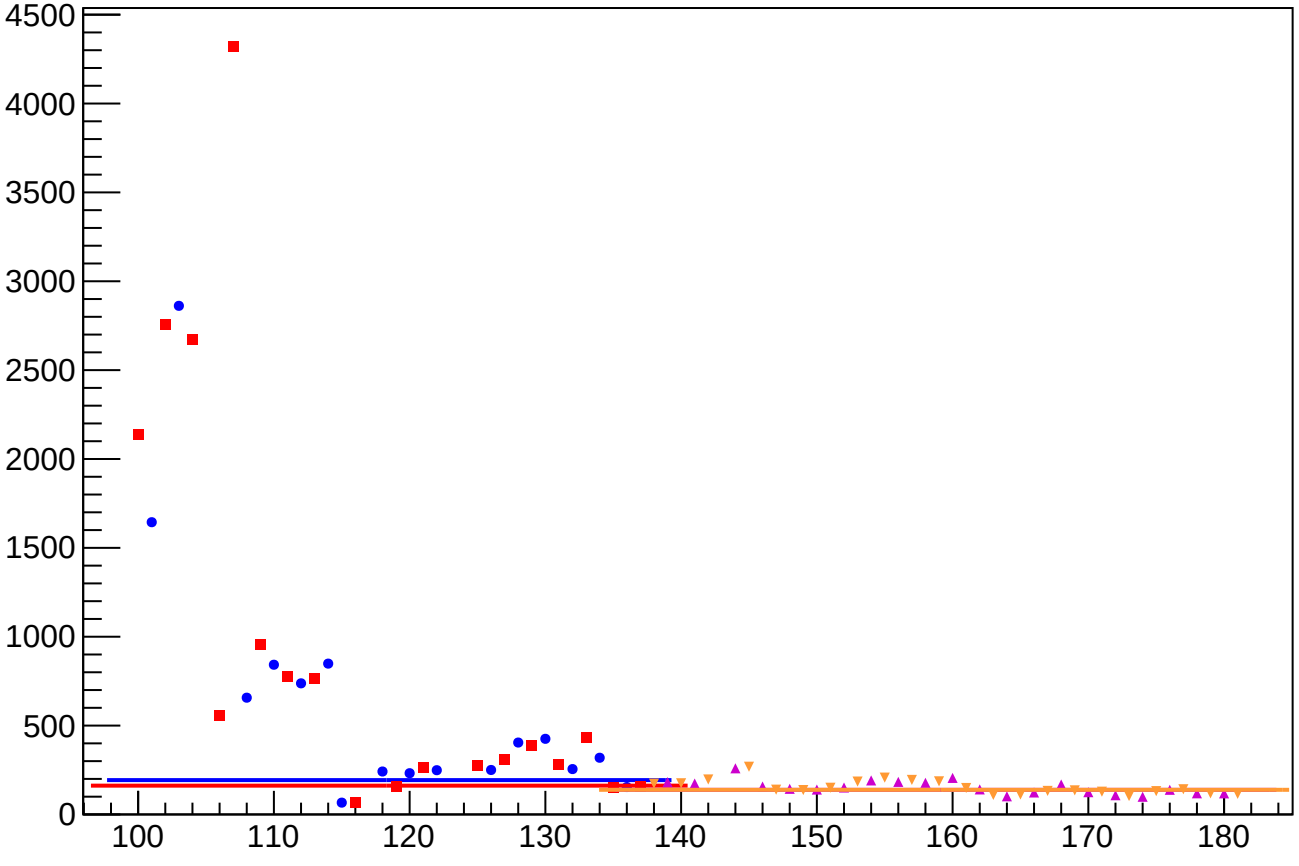
Right Out: -86.379+/-86.088 χ^2/NDF: 15.0/17

Left In: -70.634+/-34.356 χ^2/NDF:18.9/20

+ sign -141.835+/-32.017 χ^2/NDF: 61.1/37

All: -107.199+/-22.601 χ^2/NDF: 97.3/76

- sign -72.797+/-31.909 χ^2/NDF: 33.9/38



Right In: 193.255+/-0.065 χ^2/NDF: 5617847.0/15

Left Out: 138.654+/-0.024 χ^2/NDF:1604526.9/21

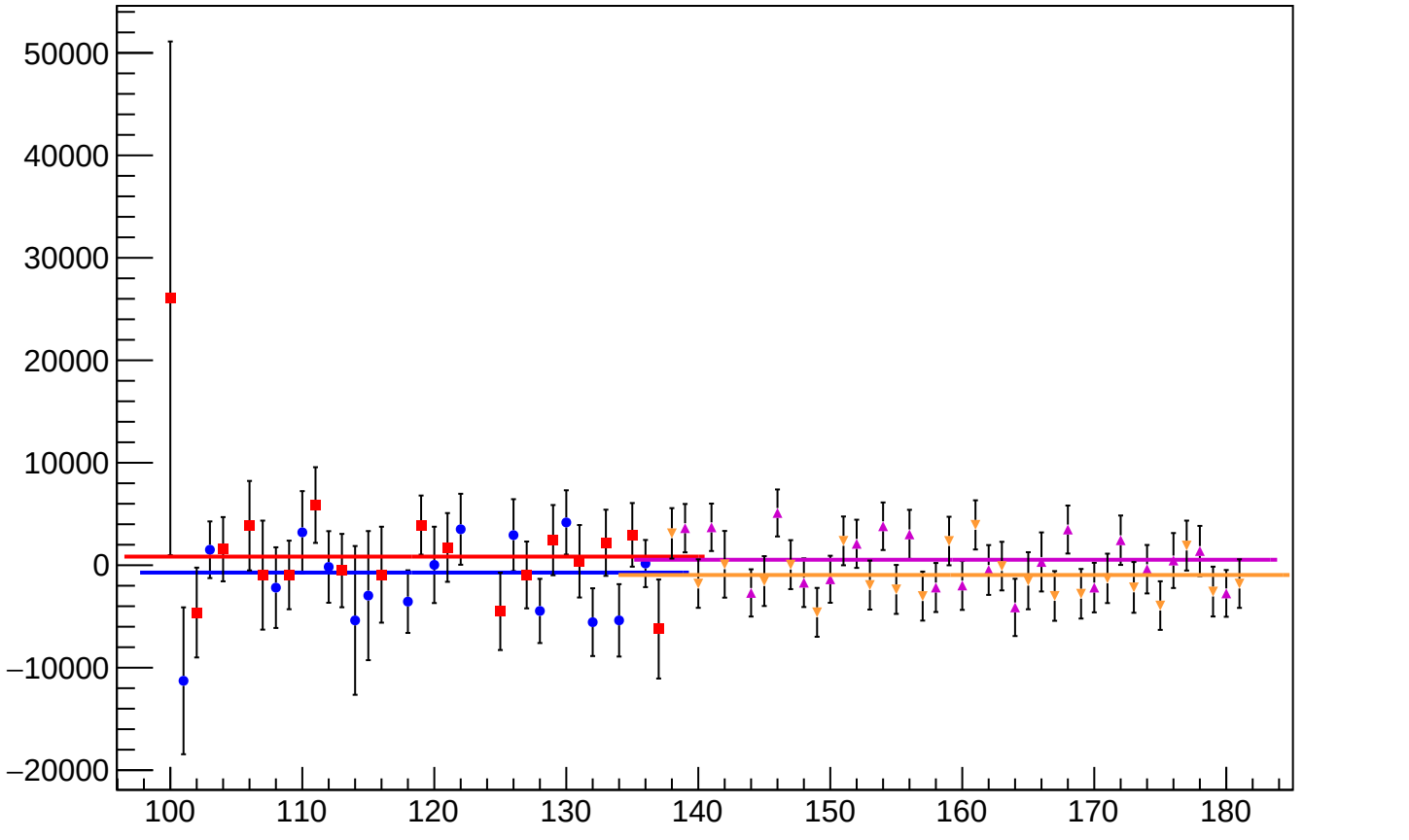
Right Out: 162.114+/-0.061 χ^2/NDF: 7070489.1/17

Left In: 138.345+/-0.024 χ^2/NDF:1800115.6/20

+ sign 145.209+/-0.023 χ^2/NDF: 7836791.2/37

All: 143.403+/-0.016 χ^2/NDF: 16851590.6/76

- sign 141.610+/-0.023 χ^2/NDF: 9002125.1/38



Right In: -717.137+/-873.539 χ^2/NDF: 15.8/15

Left Out: -952.023+/-520.685 χ^2/NDF:20.1/21

Right Out: 842.159+/-873.586 χ^2/NDF: 12.2/17

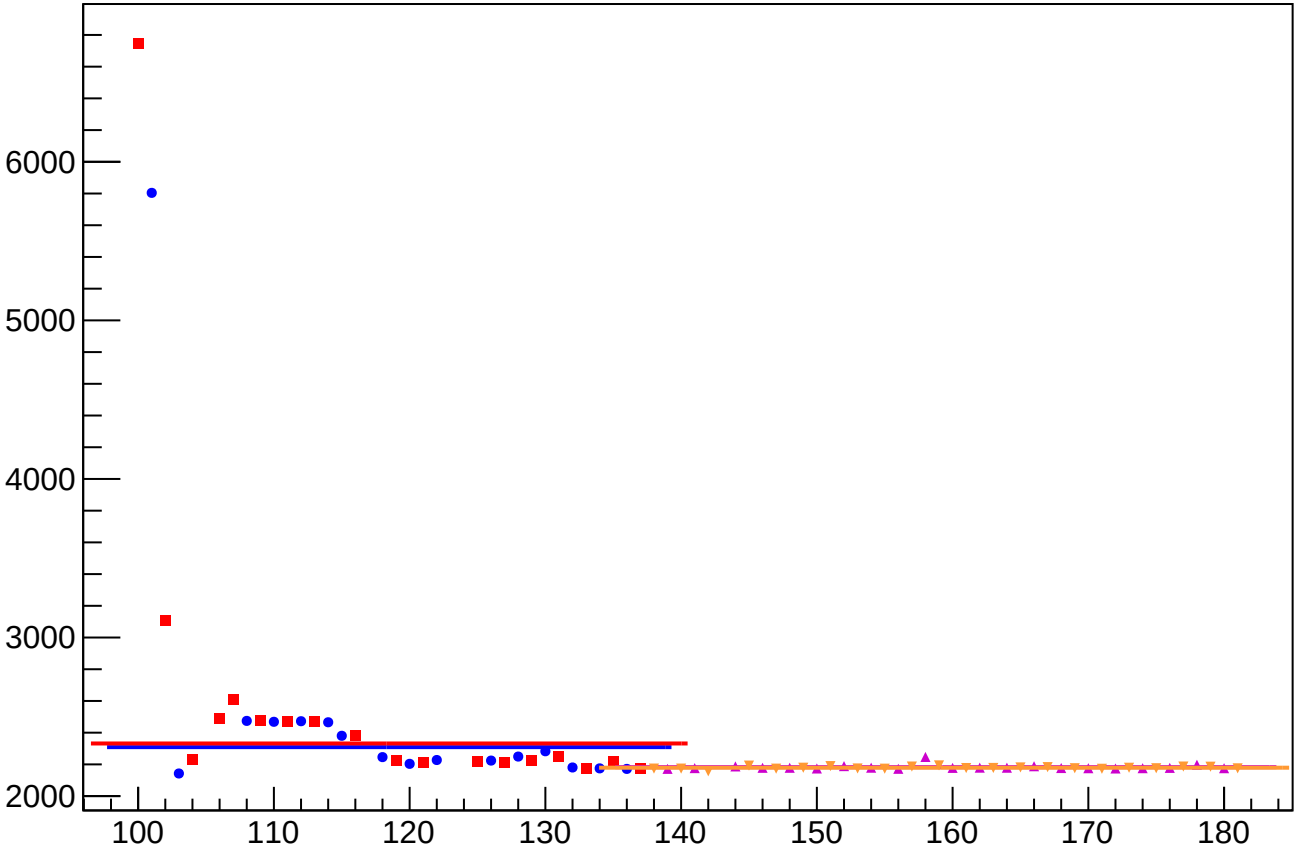
Left In: 534.779+/-525.412 χ^2/NDF:25.7/20

+ sign -890.447+/-447.259 χ^2/NDF: 36.0/37

All: -142.030+/-317.312 χ^2/NDF: 79.6/76

- sign 616.432+/-450.250 χ^2/NDF: 38.0/38

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: 2179.097+/-0.368 χ^2/NDF:410.2/21

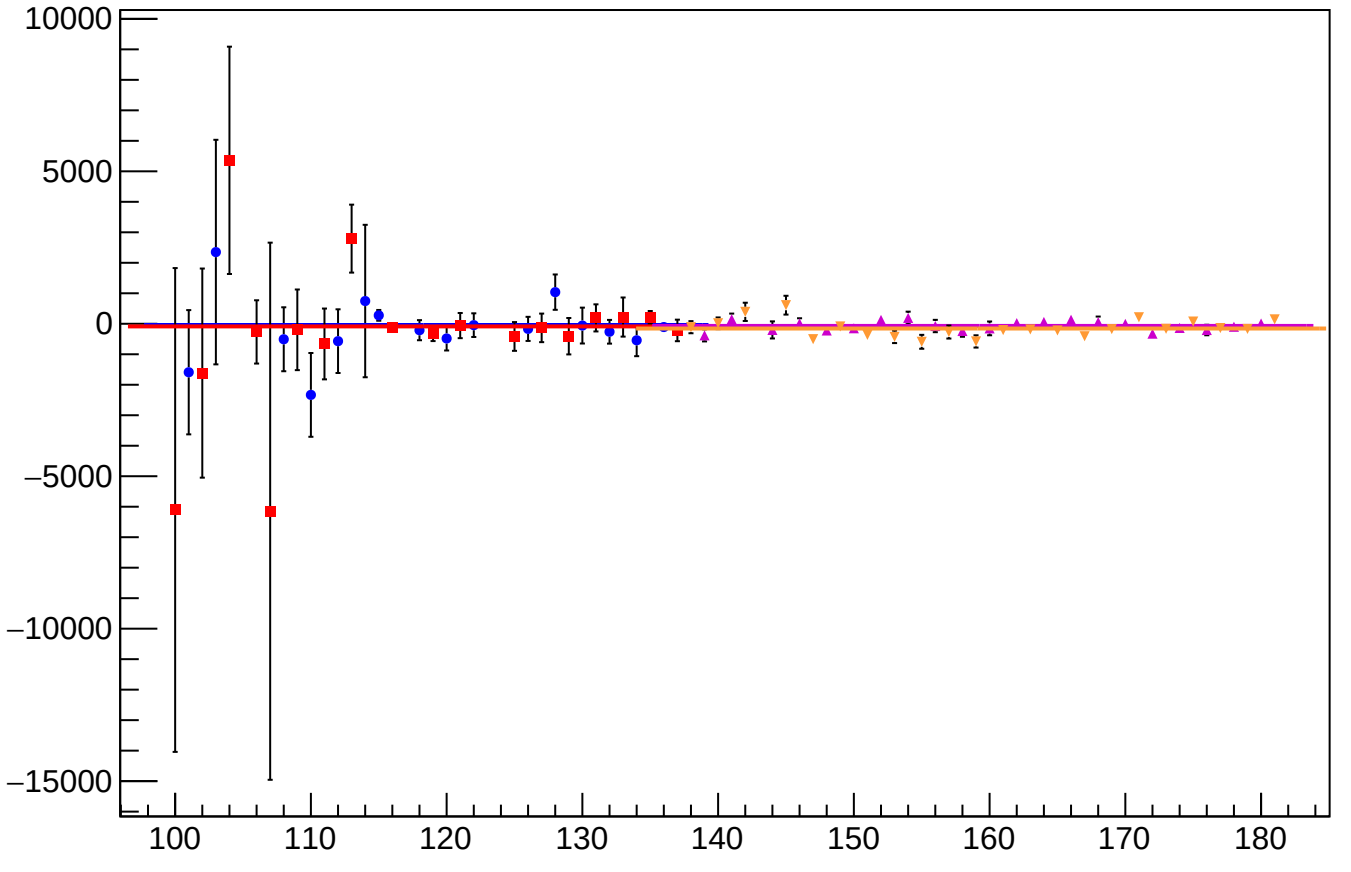
Right Out: 2331.849+/-0.618 χ^2/NDF: 167321.6/17

Left In: 2182.506+/-0.372 χ^2/NDF:1791.1/20

+ sign 2213.083+/-0.316 χ^2/NDF: 546655.7/37

All: 2217.600+/-0.224 χ^2/NDF: 759103.0/76

- sign 2222.178+/-0.318 χ^2/NDF: 212036.5/38



Right In: -40.116+/-92.408 χ^2/NDF: 14.1/15

Left Out: -155.712+/-34.131 χ^2/NDF:45.7/21

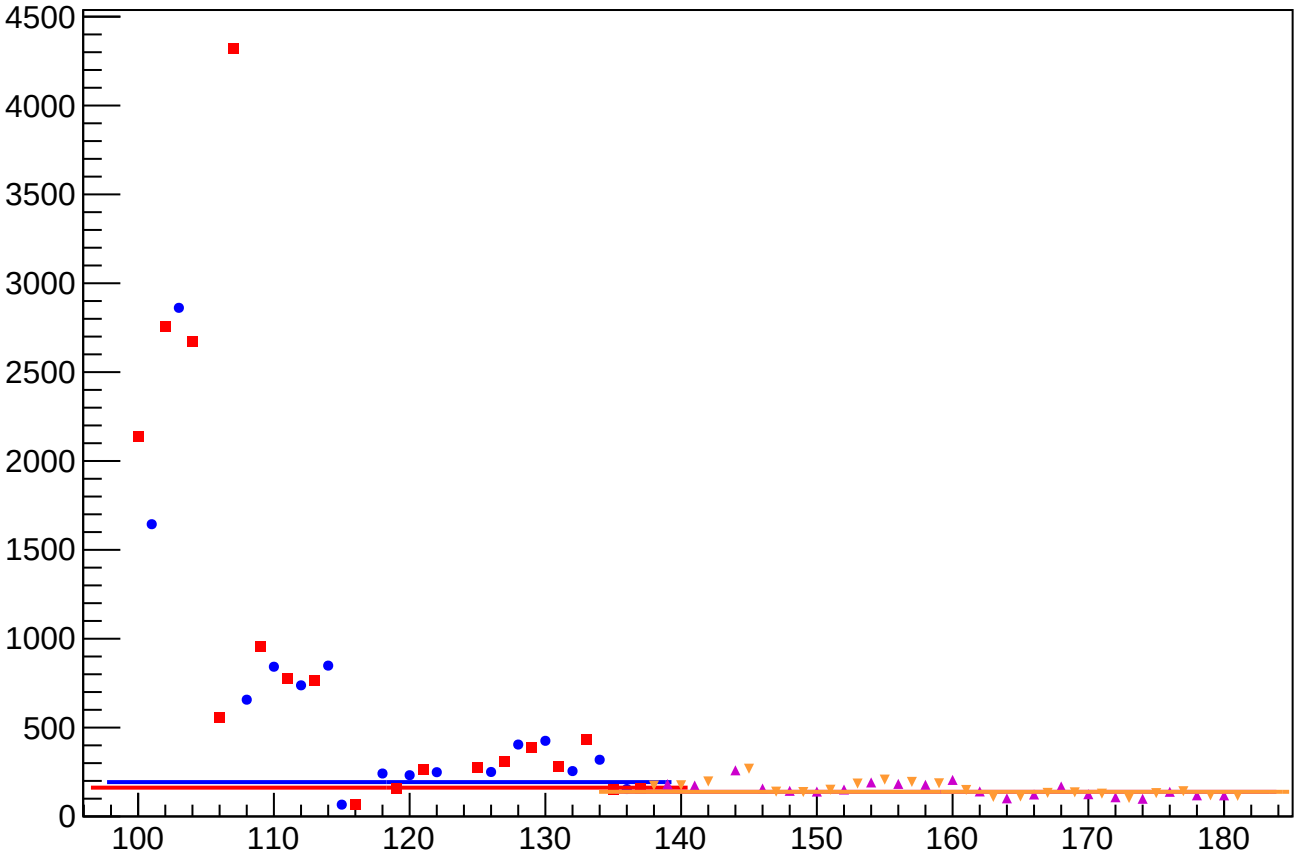
Right Out: -86.380+/-86.087 χ^2/NDF: 15.0/17

Left In: -70.633+/-34.356 χ^2/NDF:18.9/20

+ sign -141.835+/-32.017 χ^2/NDF: 61.1/37

All: -107.199+/-22.601 χ^2/NDF: 97.3/76

- sign -72.796+/-31.909 χ^2/NDF: 33.9/38



Right In: 193.253+/-0.065 χ^2/NDF: 5617884.1/15

Left Out: 138.655+/-0.024 χ^2/NDF:1604522.5/21

Right Out: 162.112+/-0.061 χ^2/NDF: 7070547.9/17

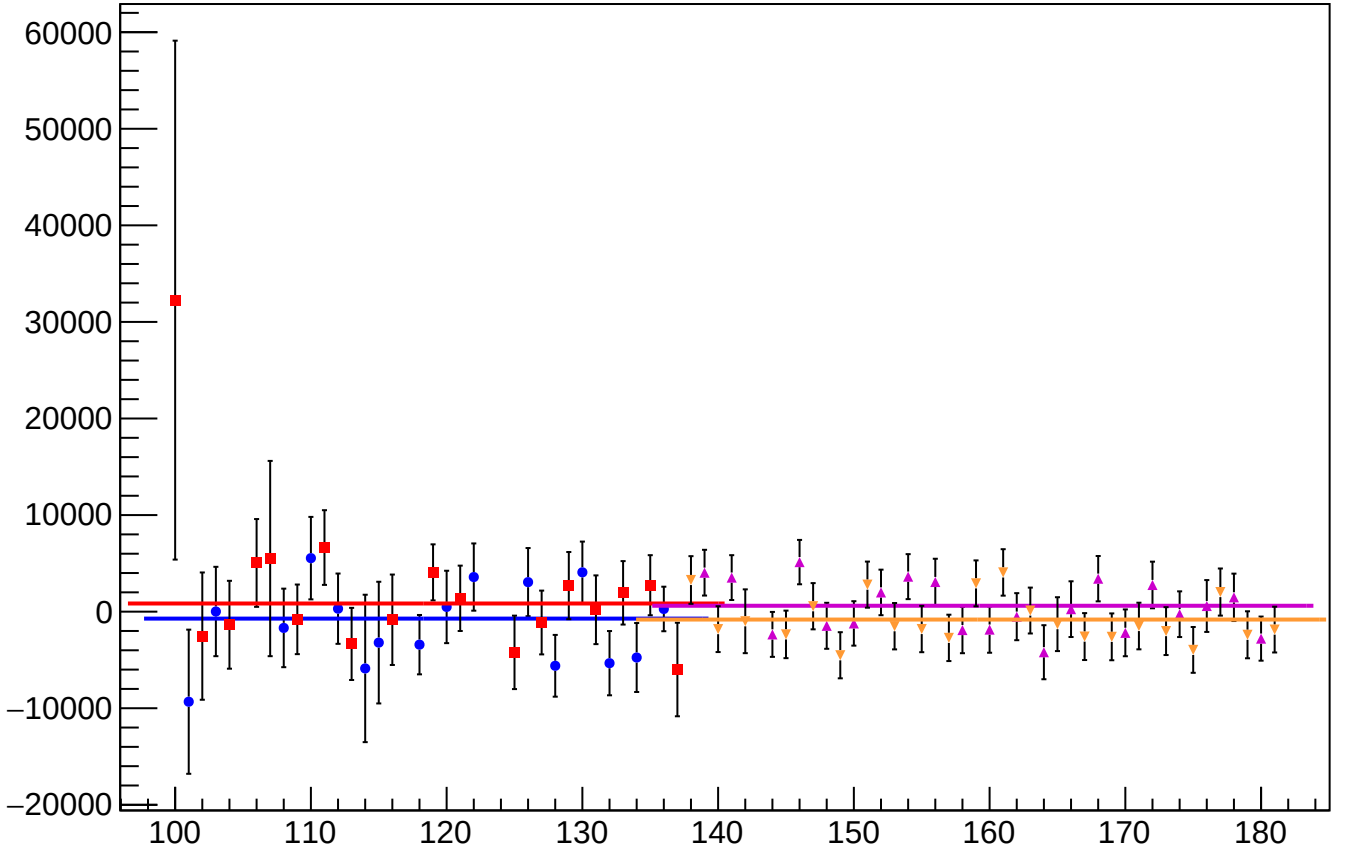
Left In: 138.345+/-0.024 χ^2/NDF:1800151.8/20

+ sign 145.209+/-0.023 χ^2/NDF: 7836774.3/37

All: 143.403+/-0.016 χ^2/NDF: 16851646.5/76

- sign 141.610+/-0.023 χ^2/NDF: 9002195.8/38

asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -719.565+/-916.228 χ^2/NDF: 15.8/15

Left Out: -817.403+/-522.168 χ^2/NDF:21.1/21

Right Out: 844.810+/-928.703 χ^2/NDF: 12.9/17

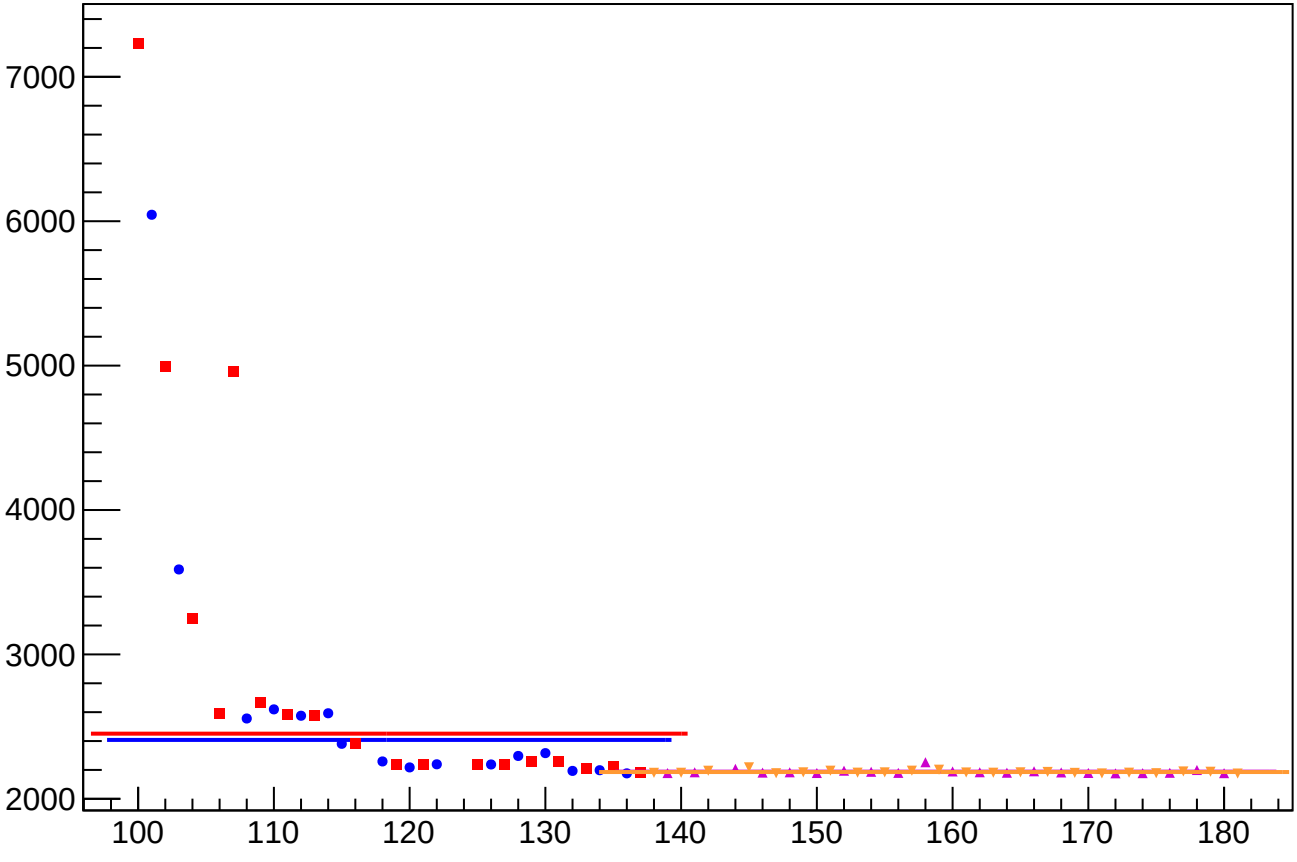
Left In: 610.316+/-526.756 χ^2/NDF:25.0/20

\+ sign -793.416+/-453.665 χ^2/NDF: 36.9/37

All: -70.253+/-322.376 χ^2/NDF: 80.1/76

\- sign 667.393+/-458.186 χ^2/NDF: 38.0/38

asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2407.795+/-0.648 χ^2/NDF: 676891.3/15

Left Out: 2185.438+/-0.369 χ^2/NDF:702.4/21

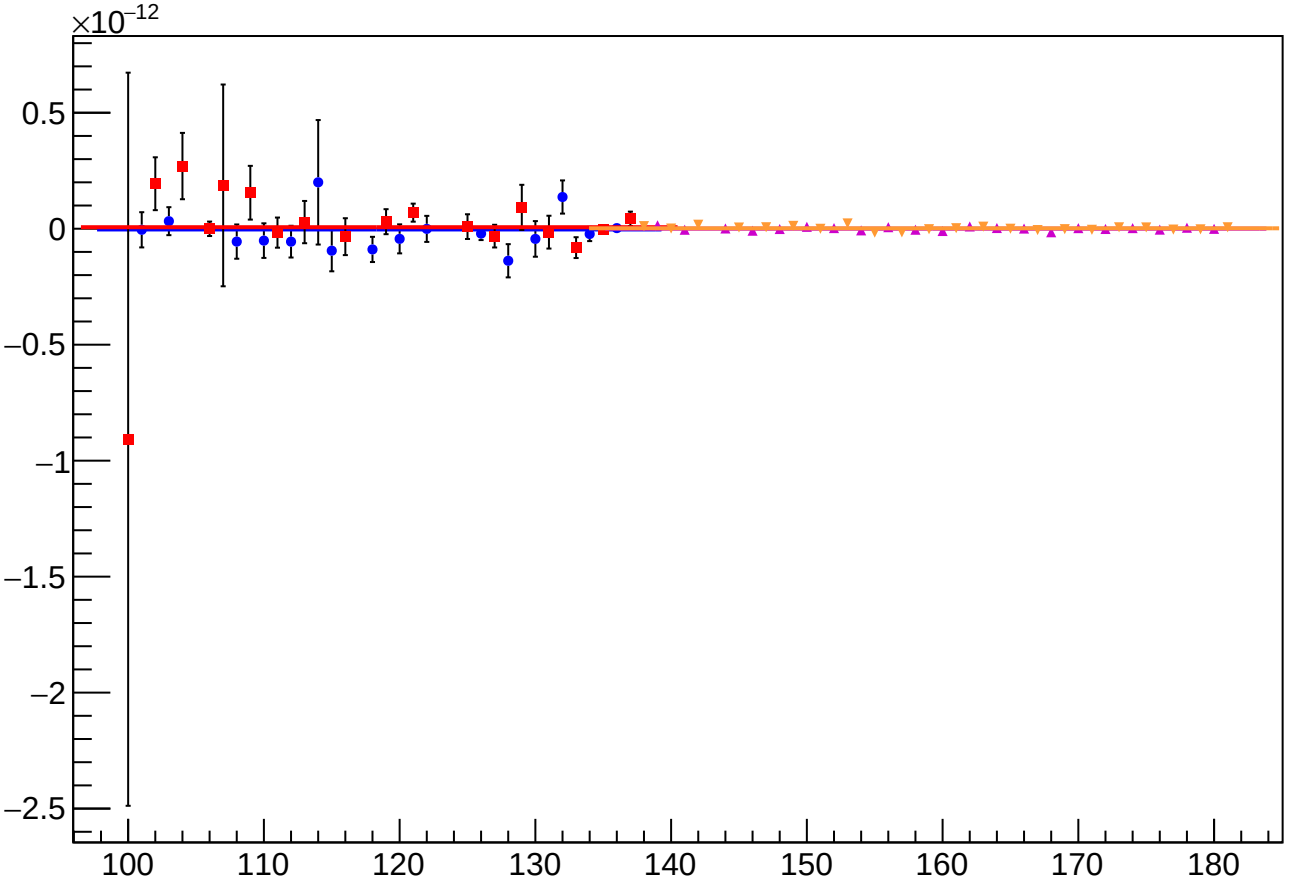
Right Out: 2451.189+/-0.657 χ^2/NDF: 633600.1/17

Left In: 2188.083+/-0.372 χ^2/NDF:2000.1/20

+ sign 2239.953+/-0.321 χ^2/NDF: 766508.4/37

All: 2245.978+/-0.228 χ^2/NDF: 1524273.3/76

- sign 2252.124+/-0.324 χ^2/NDF: 757052.2/38



Right In: -0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.7/21

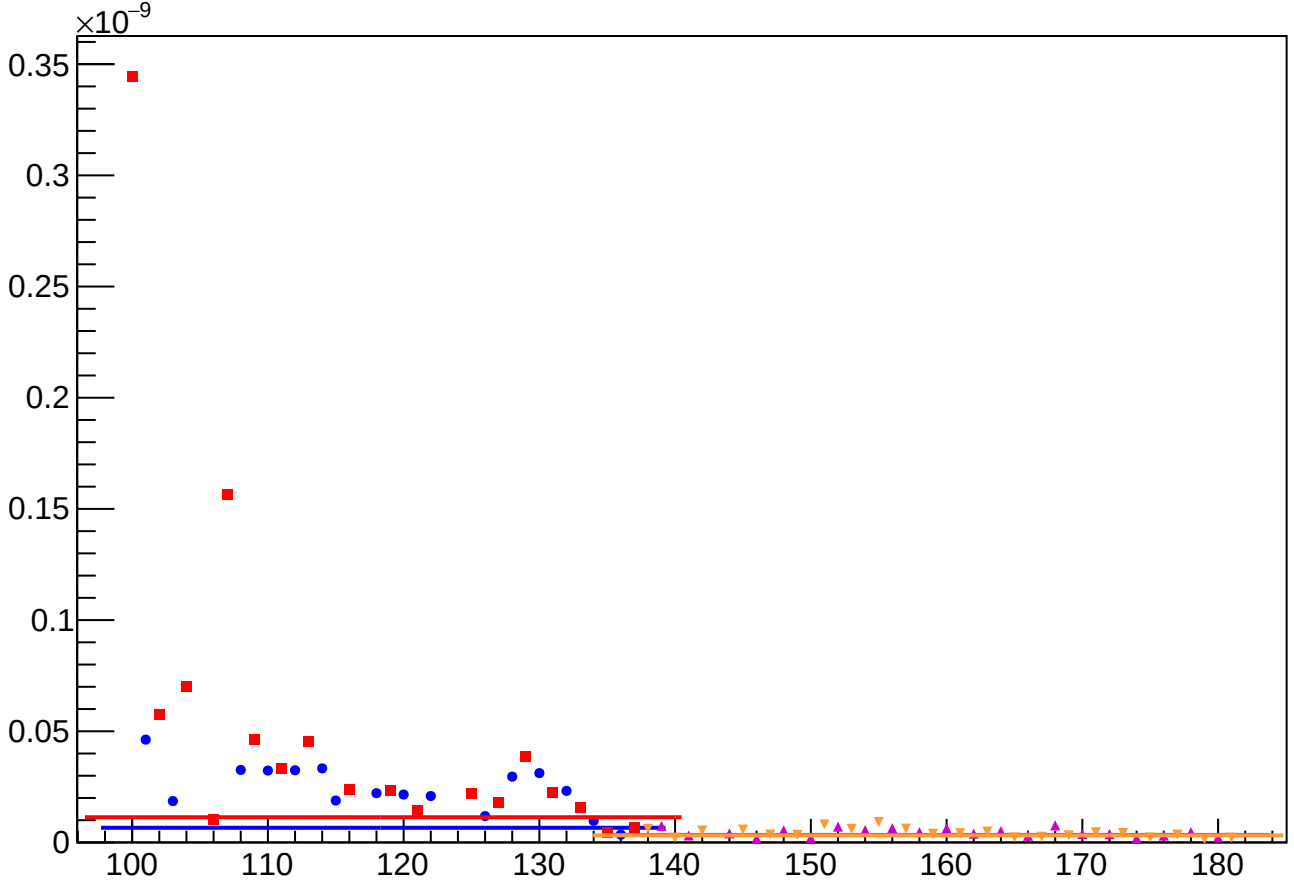
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/17

Left In: 0.000+/-0.000 χ^2/NDF:13.1/20

+ sign 0.000+/-0.000 χ^2/NDF: 34.8/37

All: 0.000+/-0.000 χ^2/NDF: 67.5/76

- sign 0.000+/-0.000 χ^2/NDF: 32.4/38



Right In: 0.000+/-0.000 χ^2/NDF: 2856979.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:2016055.6/21

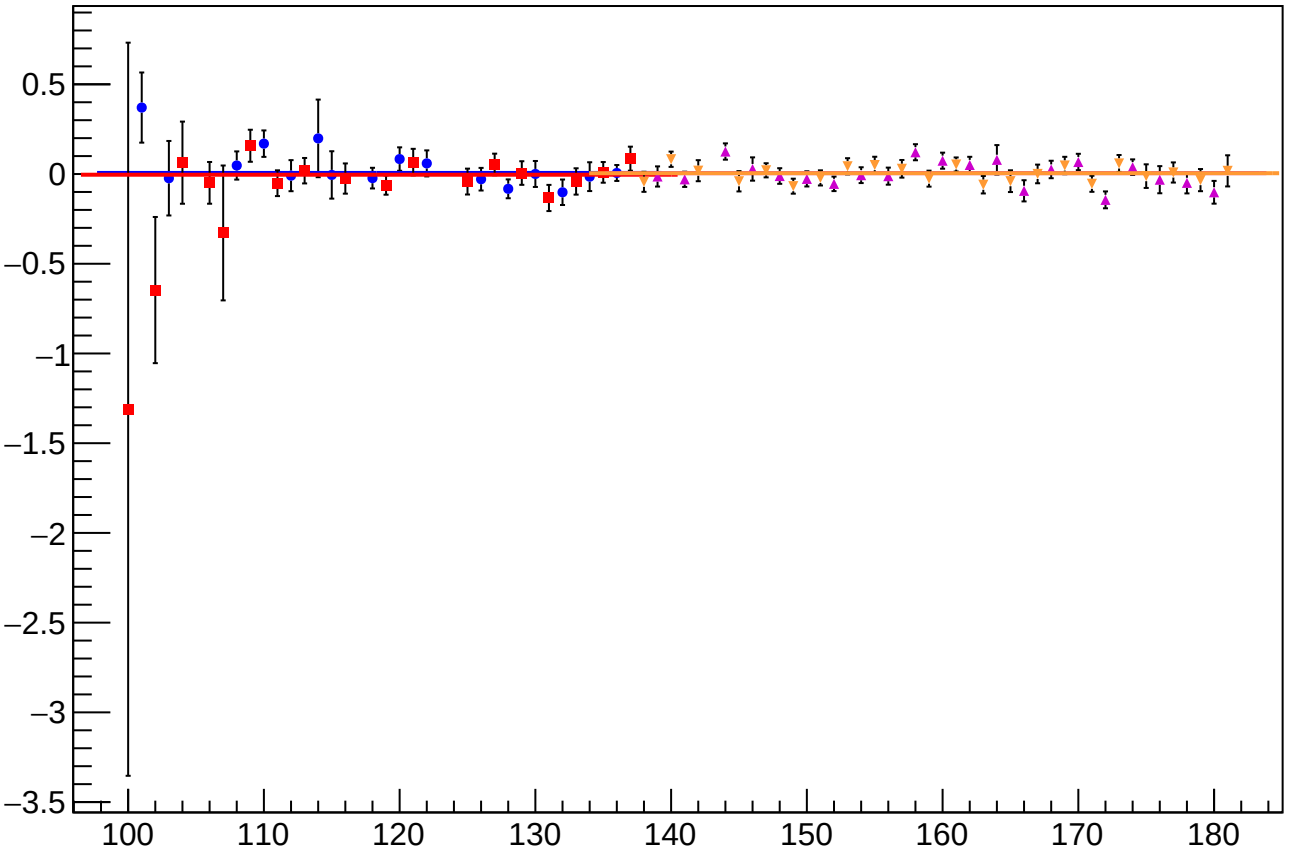
Right Out: 0.000+/-0.000 χ^2/NDF: 2697712.1/17

Left In: 0.000+/-0.000 χ^2/NDF:1691597.7/20

+ sign 0.000+/-0.000 χ^2/NDF: 5436936.6/37

All: 0.000+/-0.000 χ^2/NDF: 11147813.0/76

- sign 0.000+/-0.000 χ^2/NDF: 5683608.7/38



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: 0.005+/-0.010 χ^2/NDF:18.9/21

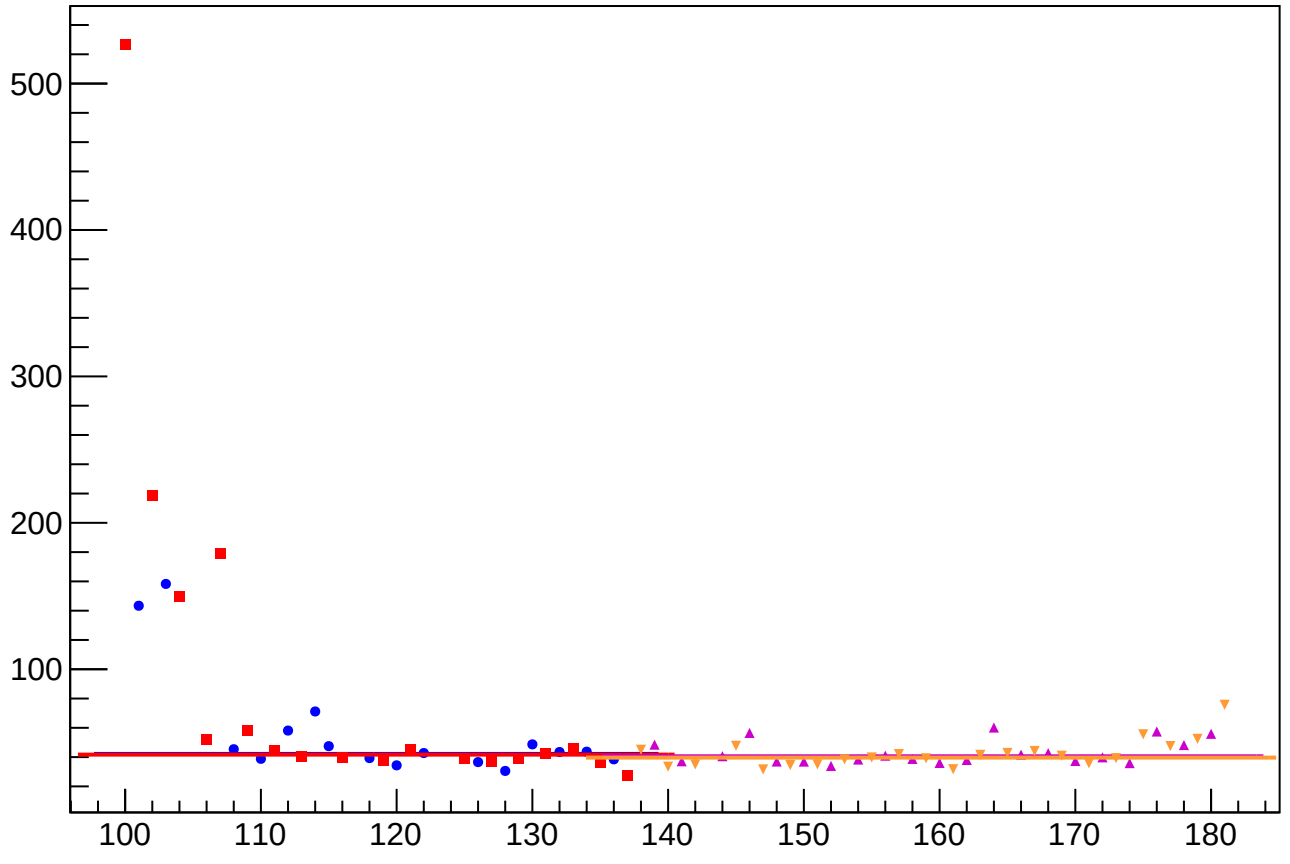
Right Out: -0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: 0.005+/-0.011 χ^2/NDF:41.3/20

+ sign 0.005+/-0.009 χ^2/NDF: 36.1/37

All: 0.004+/-0.006 χ^2/NDF: 93.9/76

- sign 0.003+/-0.009 χ^2/NDF: 57.8/38



Right In: 42.165+/-0.013 χ^2/NDF: 1454378.8/15

Left Out: 39.653+/-0.007 χ^2/NDF:968094.0/21

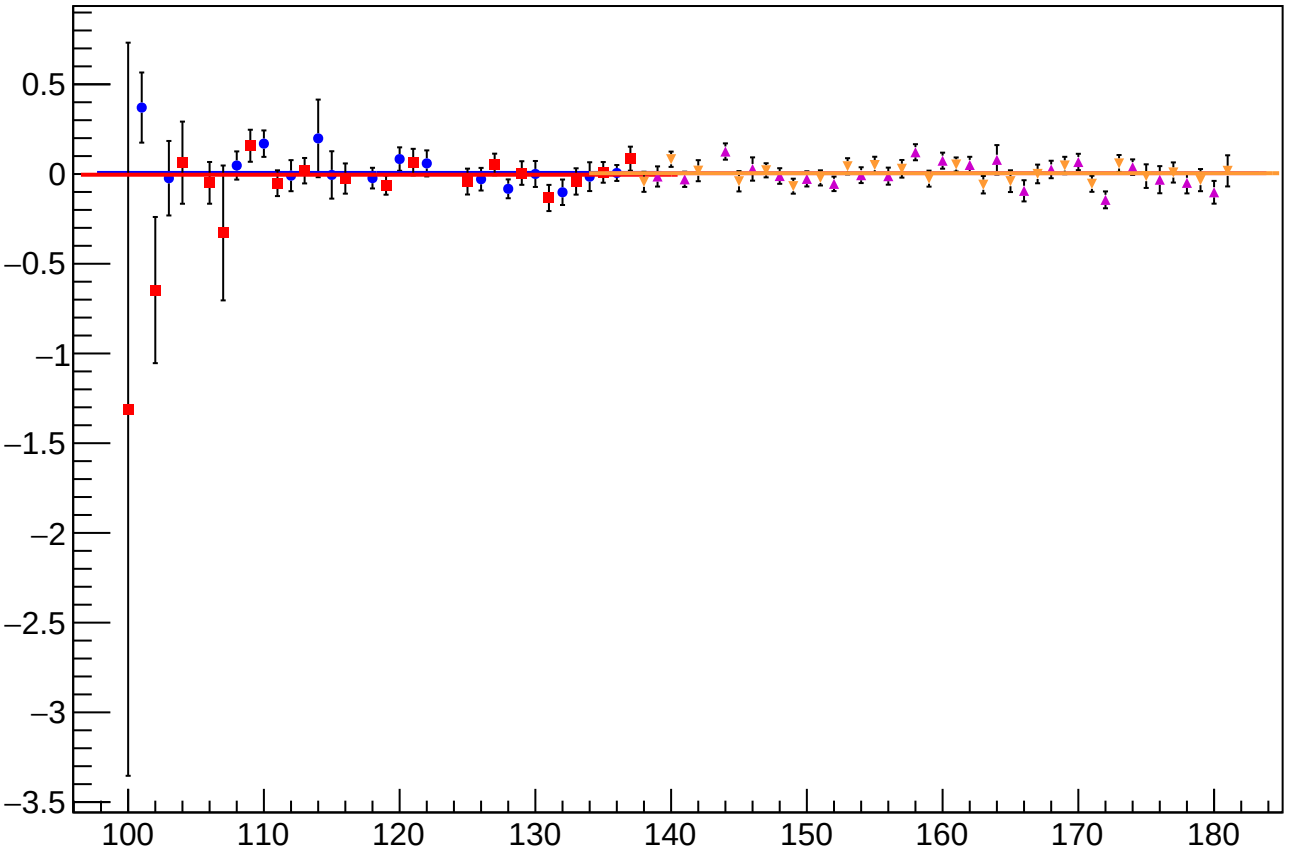
Right Out: 41.692+/-0.013 χ^2/NDF: 1441204.7/17

Left In: 40.556+/-0.008 χ^2/NDF:693361.9/20

+ sign 40.273+/-0.006 χ^2/NDF: 2450994.8/37

All: 40.549+/-0.005 χ^2/NDF: 4594976.7/76

- sign 40.838+/-0.007 χ^2/NDF: 2140180.7/38



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: 0.005+/-0.010 χ^2/NDF:18.9/21

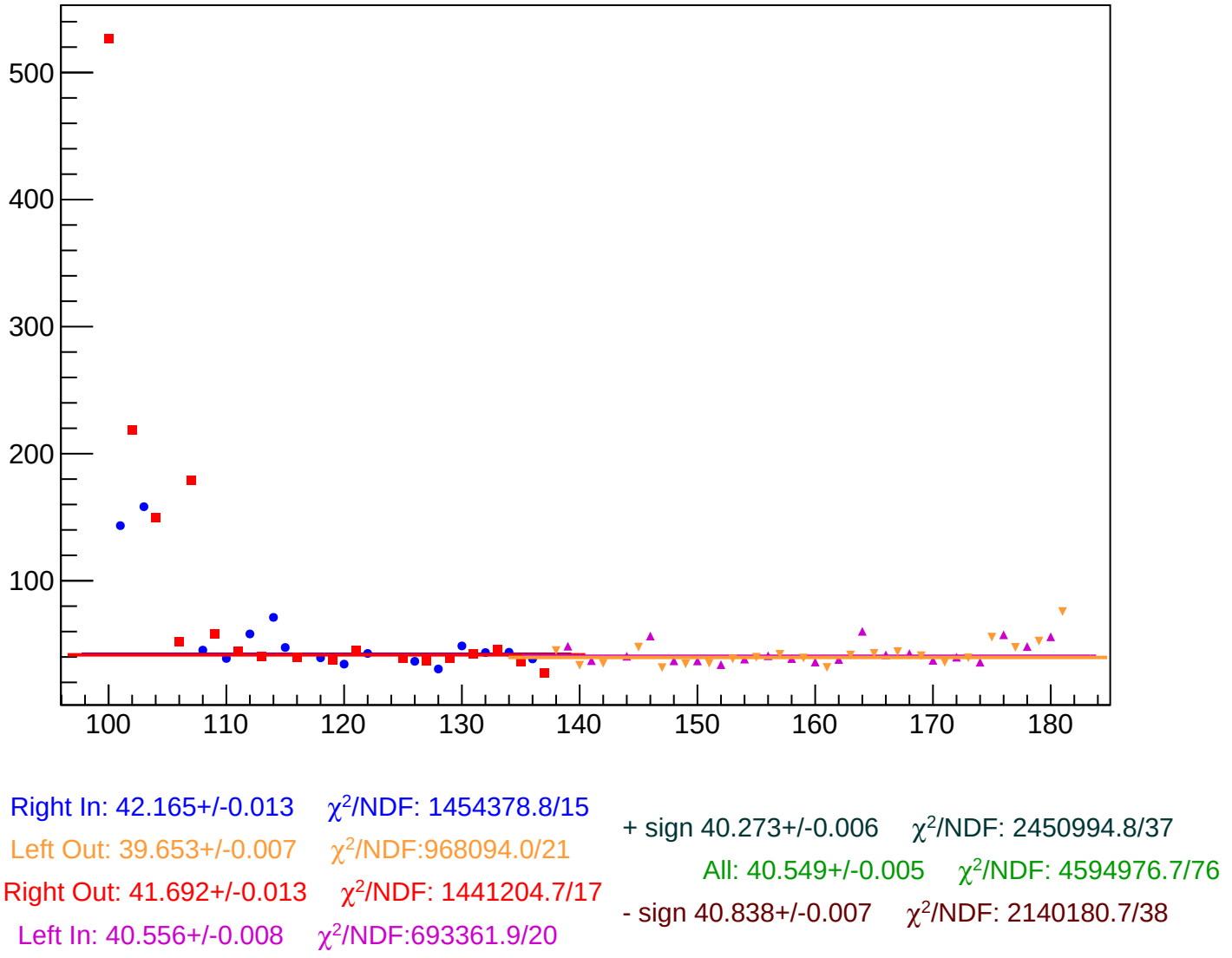
Right Out: -0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: 0.005+/-0.011 χ^2/NDF:41.3/20

+ sign 0.005+/-0.009 χ^2/NDF: 36.1/37

All: 0.004+/-0.006 χ^2/NDF: 93.9/76

- sign 0.003+/-0.009 χ^2/NDF: 57.8/38


asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug
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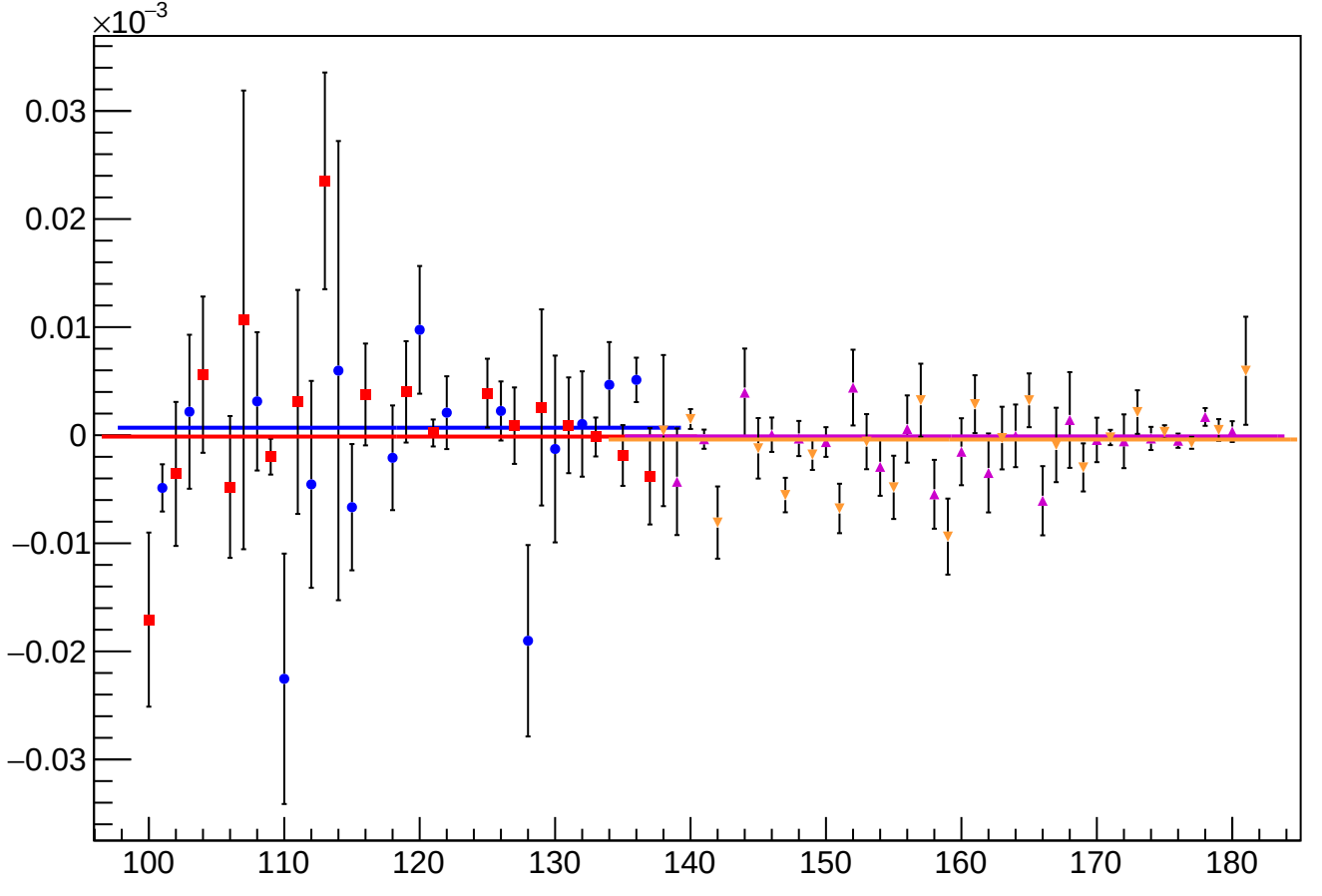
170
180
Right In: 42.165+/-0.013 χ²/NDF: 1454378.8/15
Left Out: 39.653+/-0.007 χ²/NDF:968094.0/21
Right Out: 41.692+/-0.013 χ²/NDF: 1441204.7/17
Left In: 40.556+/-0.008 χ²/NDF:693361.9/20
+ sign 40.273+/-0.006 χ²/NDF: 2450994.8/37
All: 40.549+/-0.005 χ²/NDF: 4594976.7/76
- sign 40.838+/-0.007 χ²/NDF: 2140180.7/38



Right In: 0.000+/-0.000 χ^2/NDF: 26.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:49.3/21

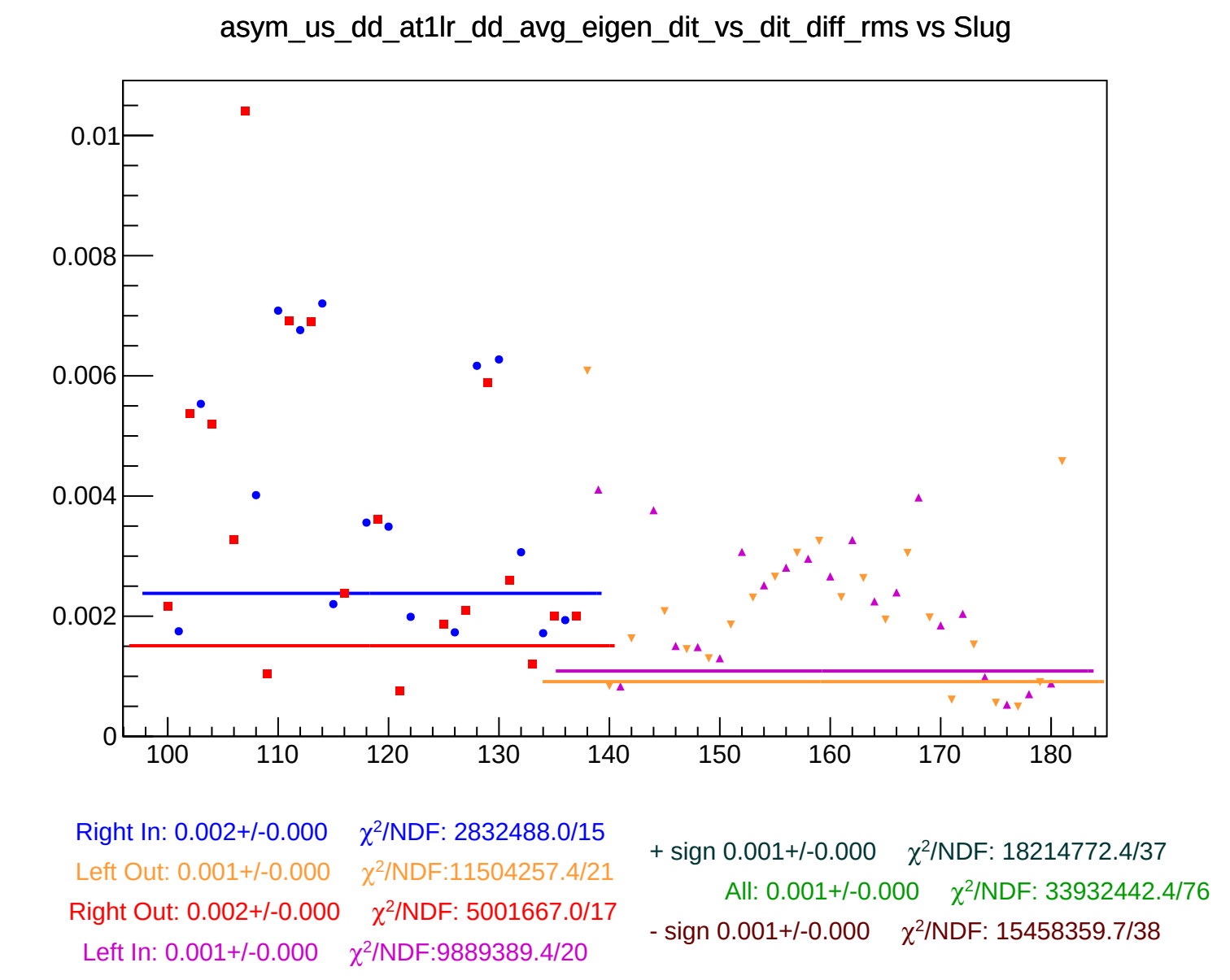
Right Out: -0.000+/-0.000 χ^2/NDF: 17.4/17

Left In: -0.000+/-0.000 χ^2/NDF:17.7/20

+ sign -0.000+/-0.000 χ^2/NDF: 76.9/37

All: -0.000+/-0.000 χ^2/NDF: 112.3/76

- sign -0.000+/-0.000 χ^2/NDF: 35.2/38


asym_us_dd_at1lr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug
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0.008
0.006
0.004
0.002
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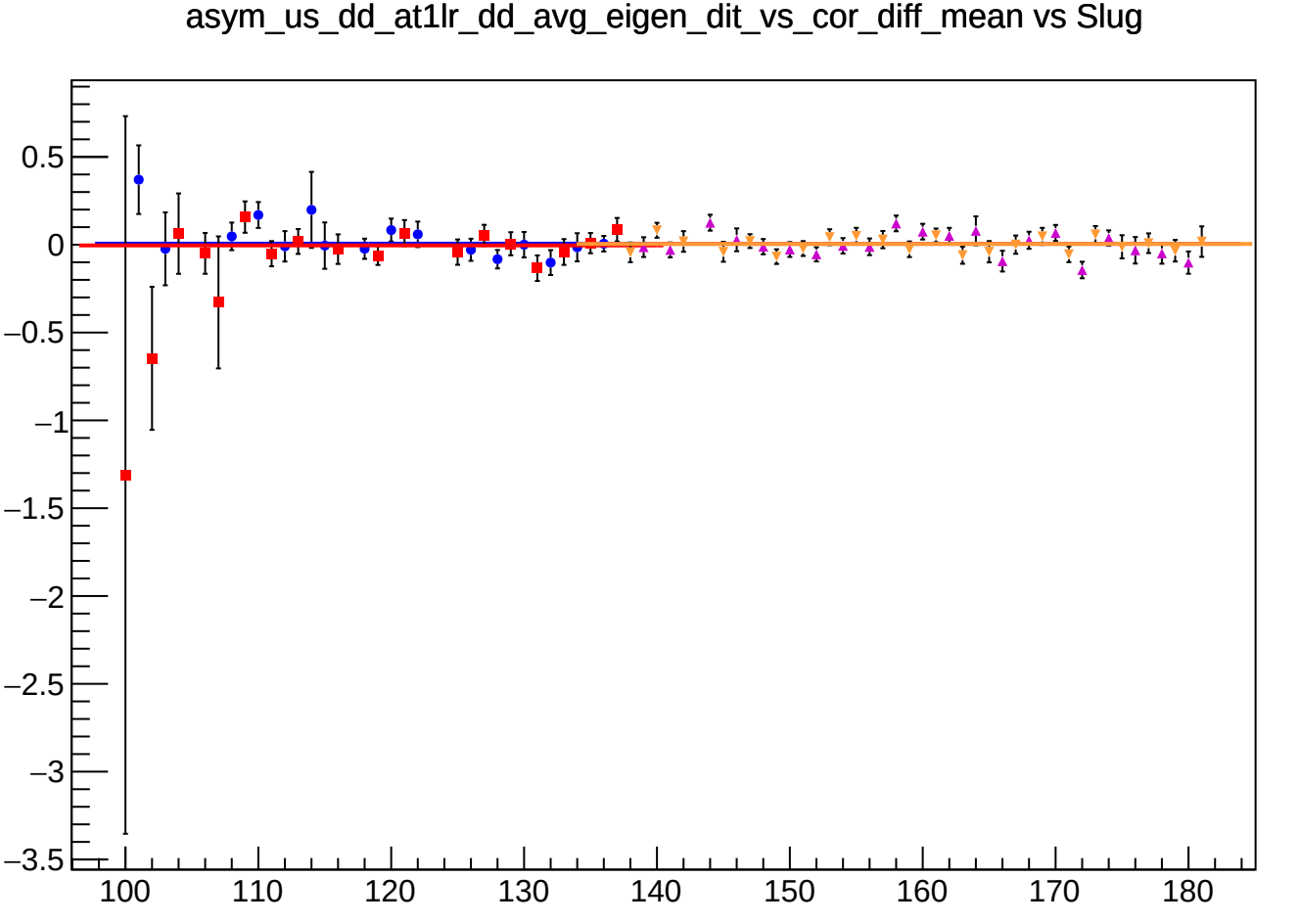
130
140
150
160
170
180
Right In: 0.002+/-0.000 χ²/NDF: 2832488.0/15
Left Out: 0.001+/-0.000 χ²/NDF:11504257.4/21
Right Out: 0.002+/-0.000 χ²/NDF: 5001667.0/17
Left In: 0.001+/-0.000 χ²/NDF:9889389.4/20
+ sign 0.001+/-0.000 χ²/NDF: 18214772.4/37
All: 0.001+/-0.000 χ²/NDF: 33932442.4/76
- sign 0.001+/-0.000 χ²/NDF: 15458359.7/38



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: 0.005+/-0.010 χ^2/NDF:18.9/21

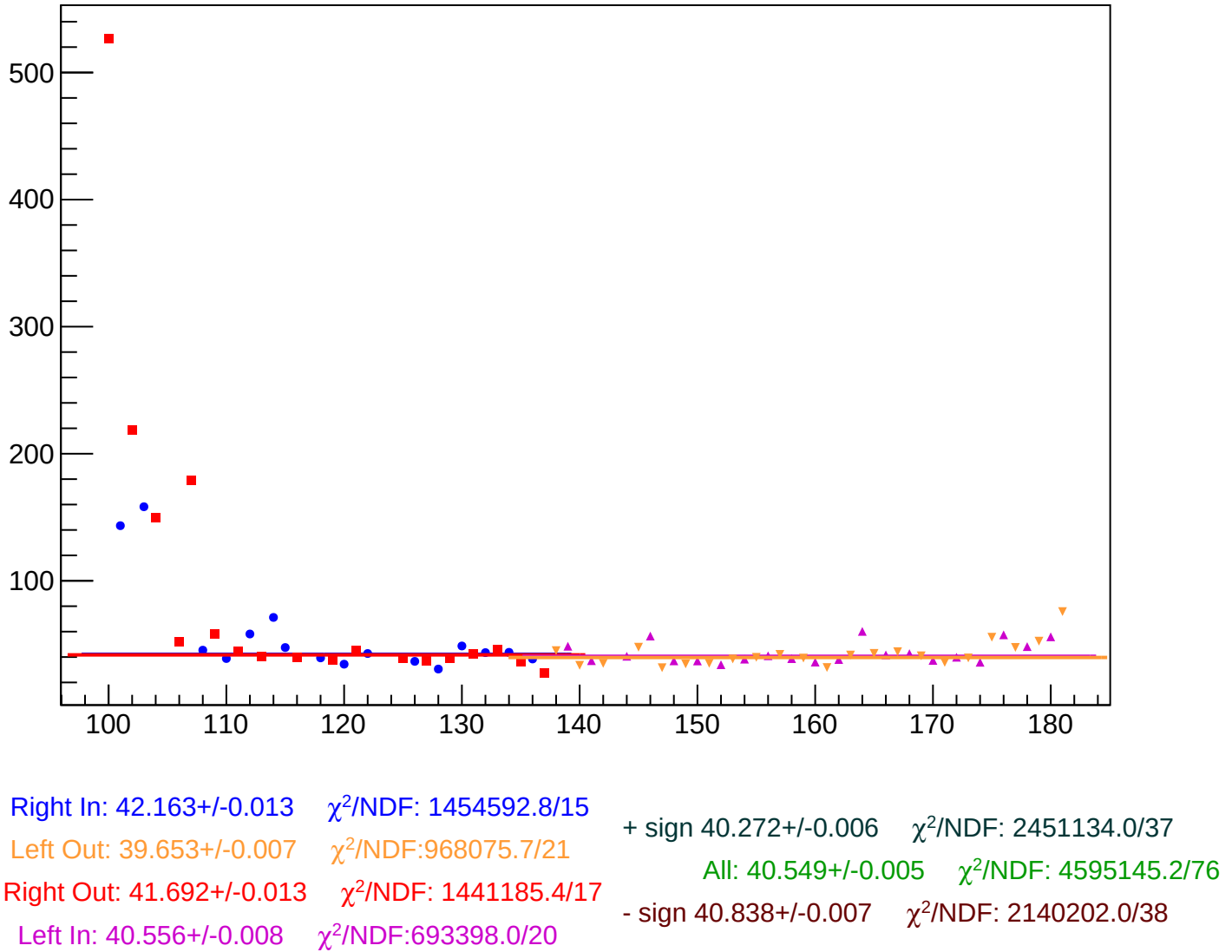
Right Out: -0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: 0.005+/-0.011 χ^2/NDF:41.3/20

+ sign 0.005+/-0.009 χ^2/NDF: 36.1/37

All: 0.004+/-0.006 χ^2/NDF: 93.9/76

- sign 0.003+/-0.009 χ^2/NDF: 57.8/38


asym_us_dd_at1lr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug
500
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150
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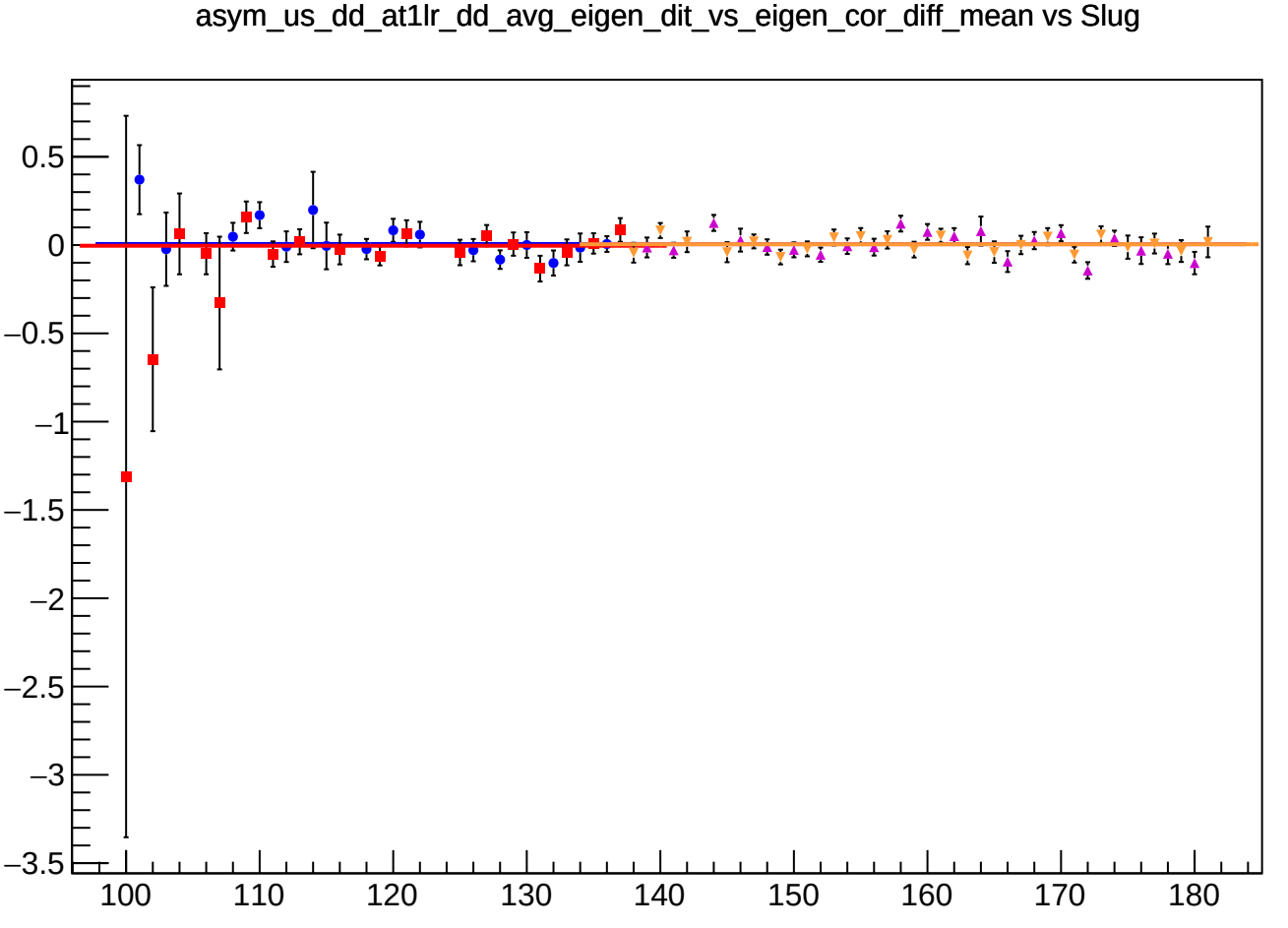
Right In: 42.163+/-0.013 χ²/NDF: 1454592.8/15
Left Out: 39.653+/-0.007 χ²/NDF:968075.7/21
Right Out: 41.692+/-0.013 χ²/NDF: 1441185.4/17
Left In: 40.556+/-0.008 χ²/NDF:693398.0/20
+ sign 40.272+/-0.006 χ²/NDF: 2451134.0/37
All: 40.549+/-0.005 χ²/NDF: 4595145.2/76
- sign 40.838+/-0.007 χ²/NDF: 2140202.0/38



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: 0.005+/-0.010 χ^2/NDF:18.9/21

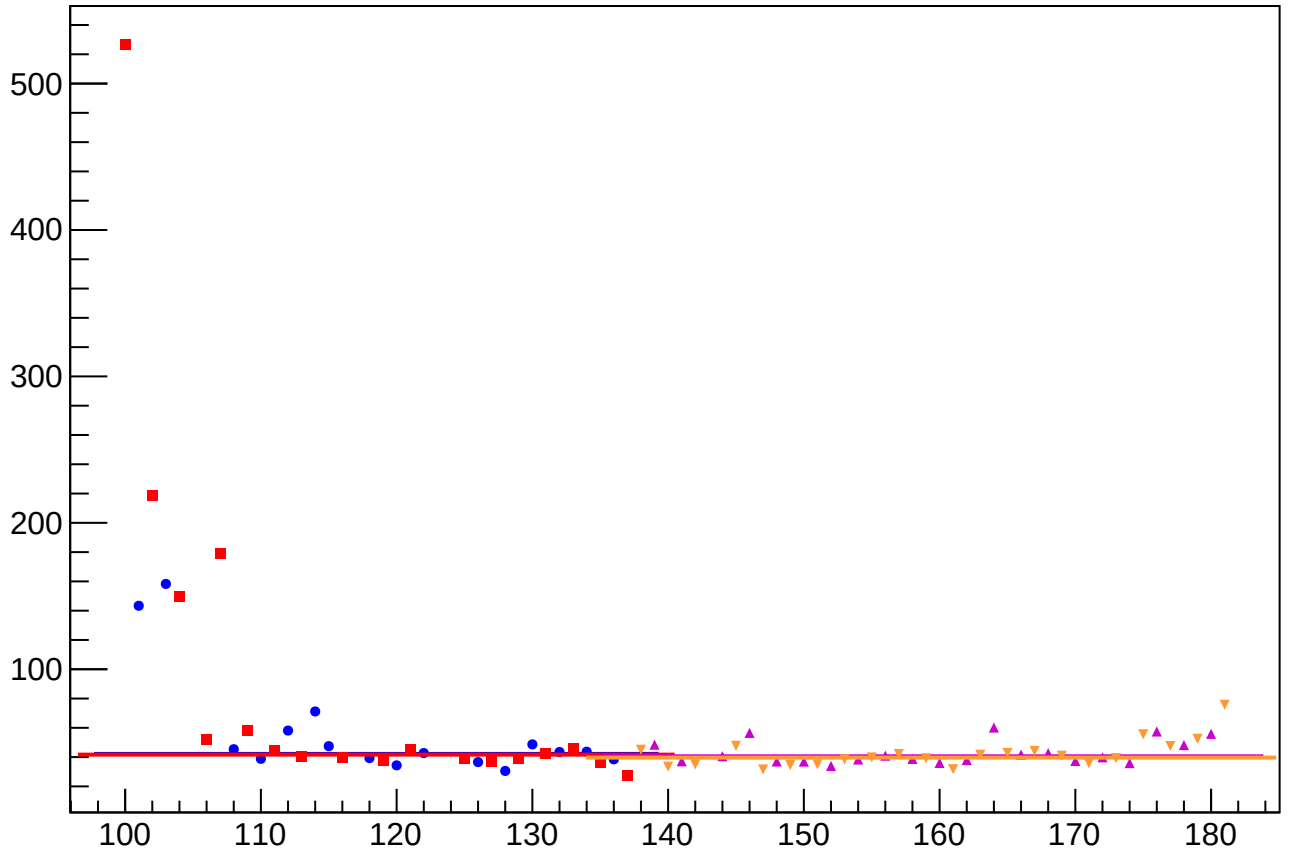
Right Out: -0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: 0.005+/-0.011 χ^2/NDF:41.3/20

+ sign 0.005+/-0.009 χ^2/NDF: 36.1/37

All: 0.004+/-0.006 χ^2/NDF: 93.9/76

- sign 0.003+/-0.009 χ^2/NDF: 57.8/38



Right In: 42.163+/-0.013 χ^2/NDF: 1454592.8/15

Left Out: 39.653+/-0.007 χ^2/NDF:968075.7/21

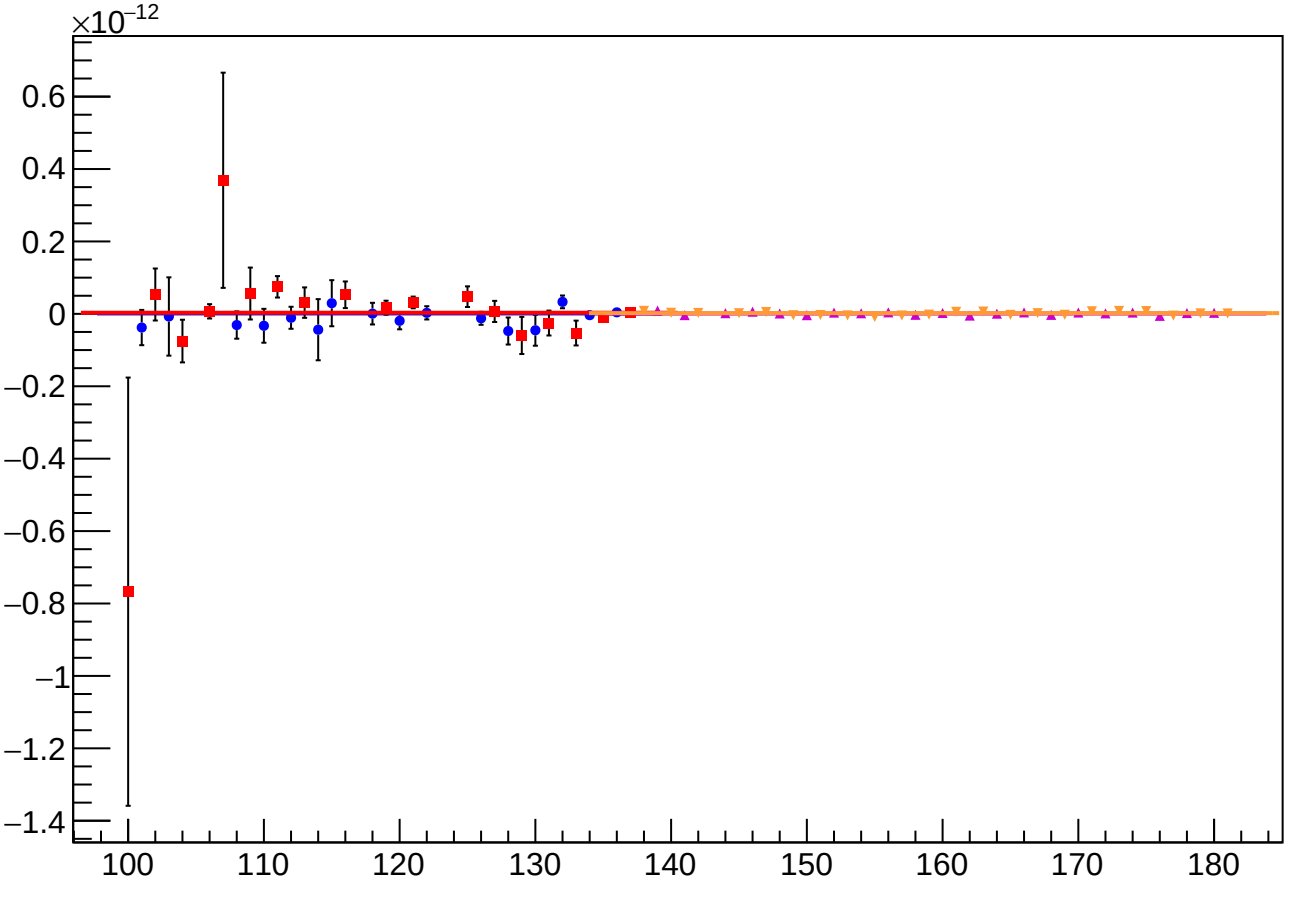
Right Out: 41.692+/-0.013 χ^2/NDF: 1441185.4/17

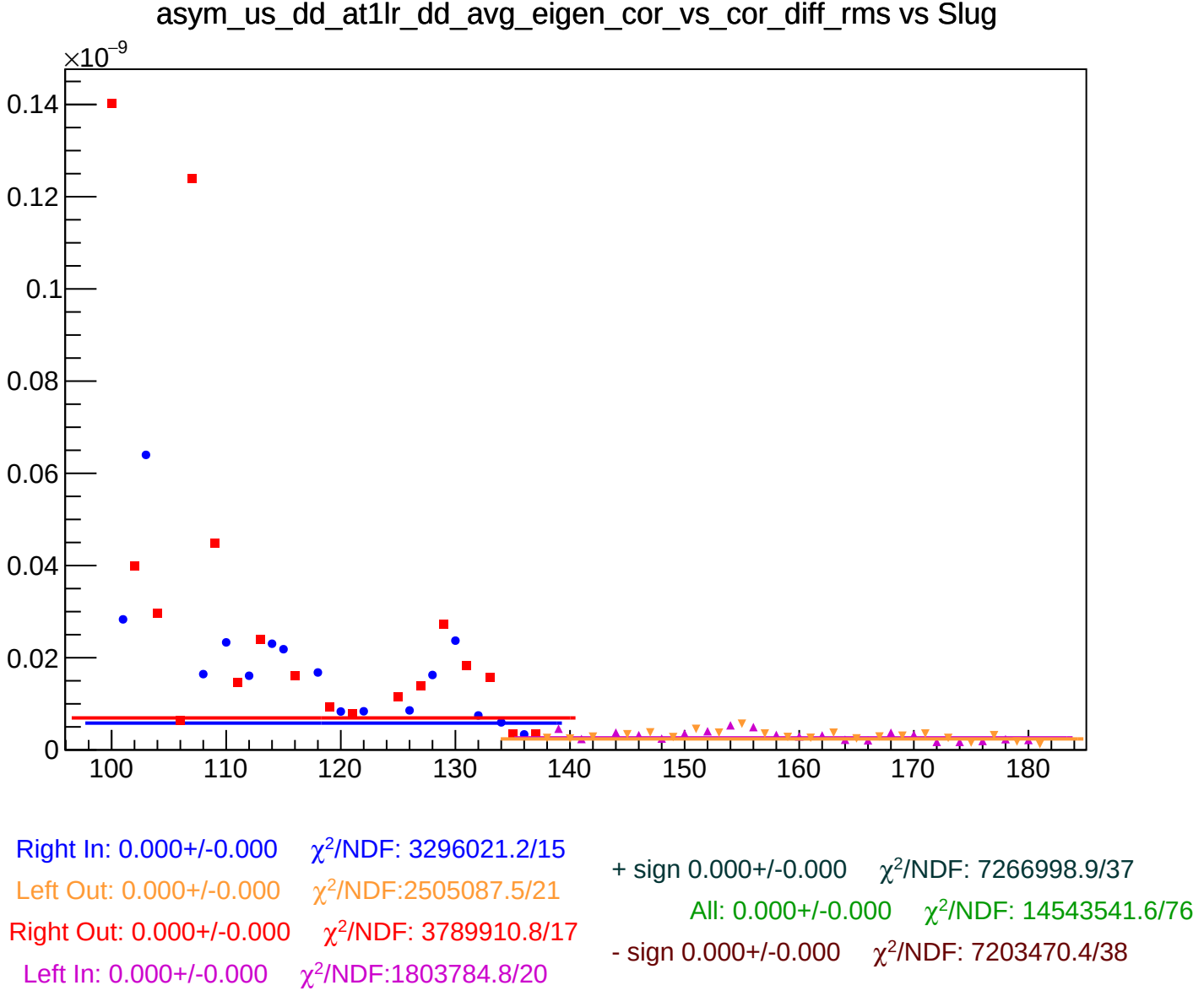
Left In: 40.556+/-0.008 χ^2/NDF:693398.0/20

+ sign 40.272+/-0.006 χ^2/NDF: 2451134.0/37

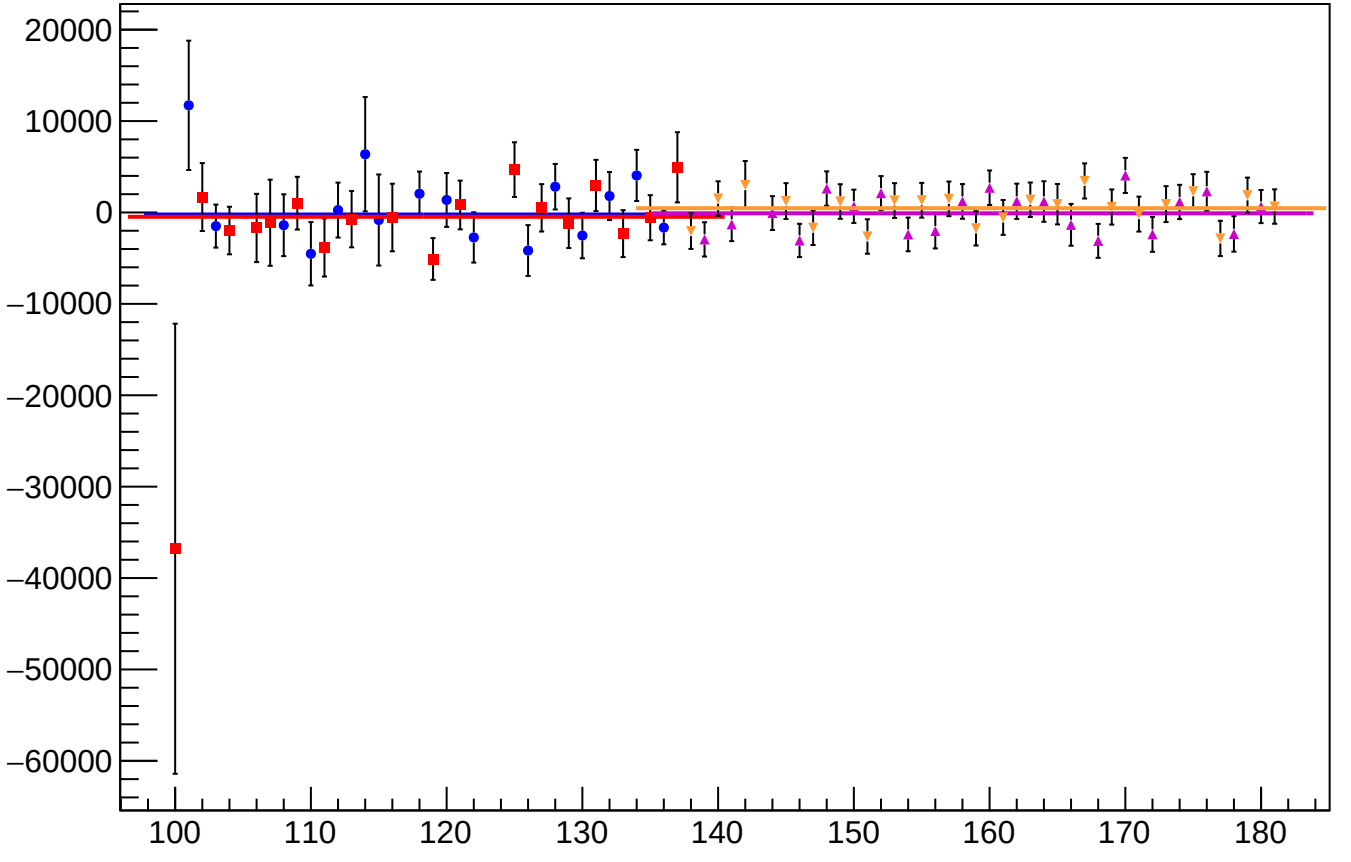
All: 40.549+/-0.005 χ^2/NDF: 4595145.2/76

- sign 40.838+/-0.007 χ^2/NDF: 2140202.0/38


asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
−1.4
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 10.5/15
Left Out: 0.000+/-0.000 χ²/NDF:24.9/21
Right Out: 0.000+/-0.000 χ²/NDF: 28.8/17
Left In: 0.000+/-0.000 χ²/NDF:15.0/20
+ sign 0.000+/-0.000 χ²/NDF: 35.5/37
All: 0.000+/-0.000 χ²/NDF: 80.1/76
- sign 0.000+/-0.000 χ²/NDF: 44.0/38


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:2505087.5/21
Right Out: 0.000+/-0.000 χ²/NDF: 3789910.8/17
Left In: 0.000+/-0.000 χ²/NDF:1803784.8/20
+ sign 0.000+/-0.000 χ²/NDF: 7266998.9/37
All: 0.000+/-0.000 χ²/NDF: 14543541.6/76
- sign 0.000+/-0.000 χ²/NDF: 7203470.4/38

reg_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -222.980+/-709.150 χ^2/NDF: 15.8/15

Left Out: 467.667+/-413.747 χ^2/NDF:16.8/21

Right Out: -472.410+/-711.475 χ^2/NDF: 15.9/17

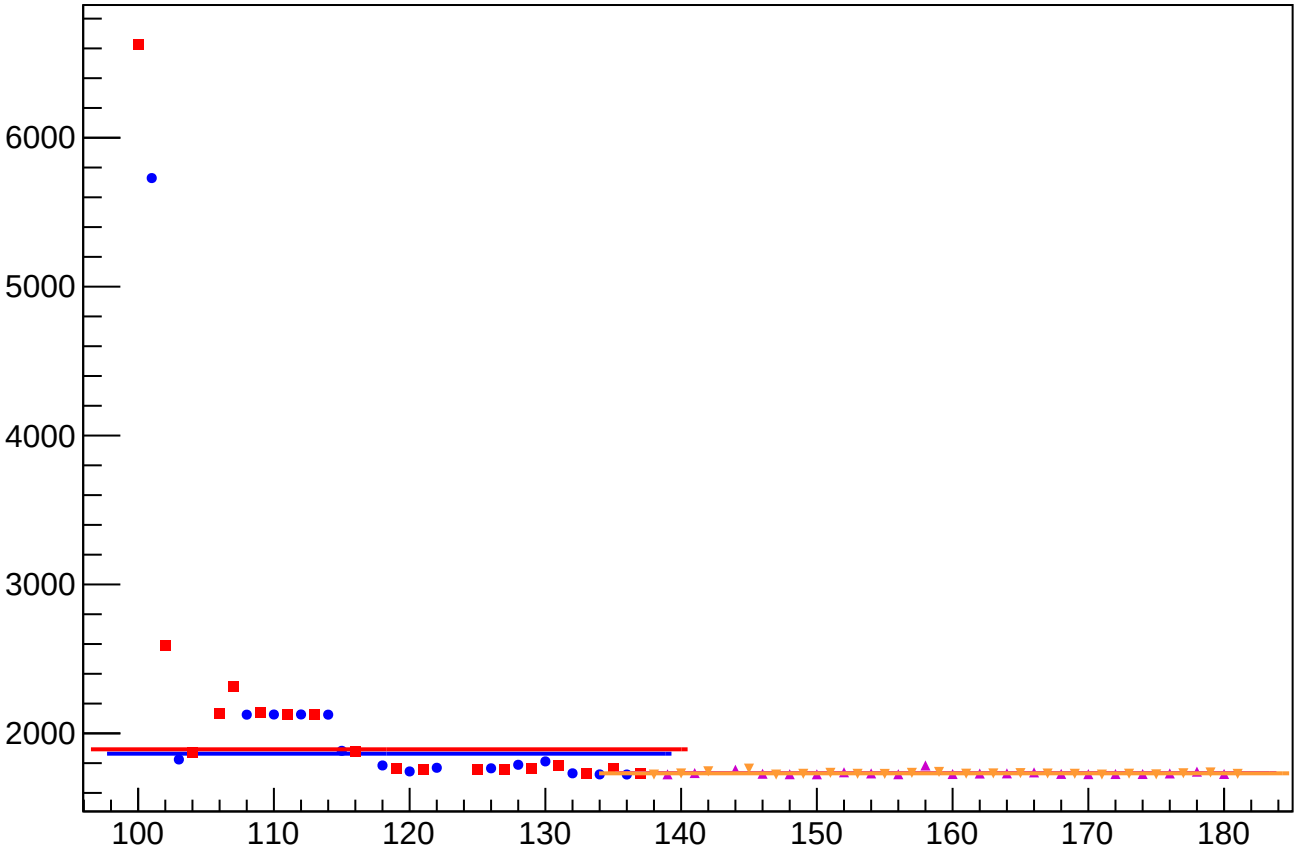
Left In: -89.703+/-417.397 χ^2/NDF:27.4/20

+ sign 292.273+/-357.369 χ^2/NDF: 33.4/37

All: 54.060+/-253.629 χ^2/NDF: 77.7/76

- sign -187.695+/-360.016 χ^2/NDF: 43.5/38

reg_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1863.581+/-0.501 χ^2/NDF: 674665.6/15

Left Out: 1731.652+/-0.293 χ^2/NDF:837.2/21

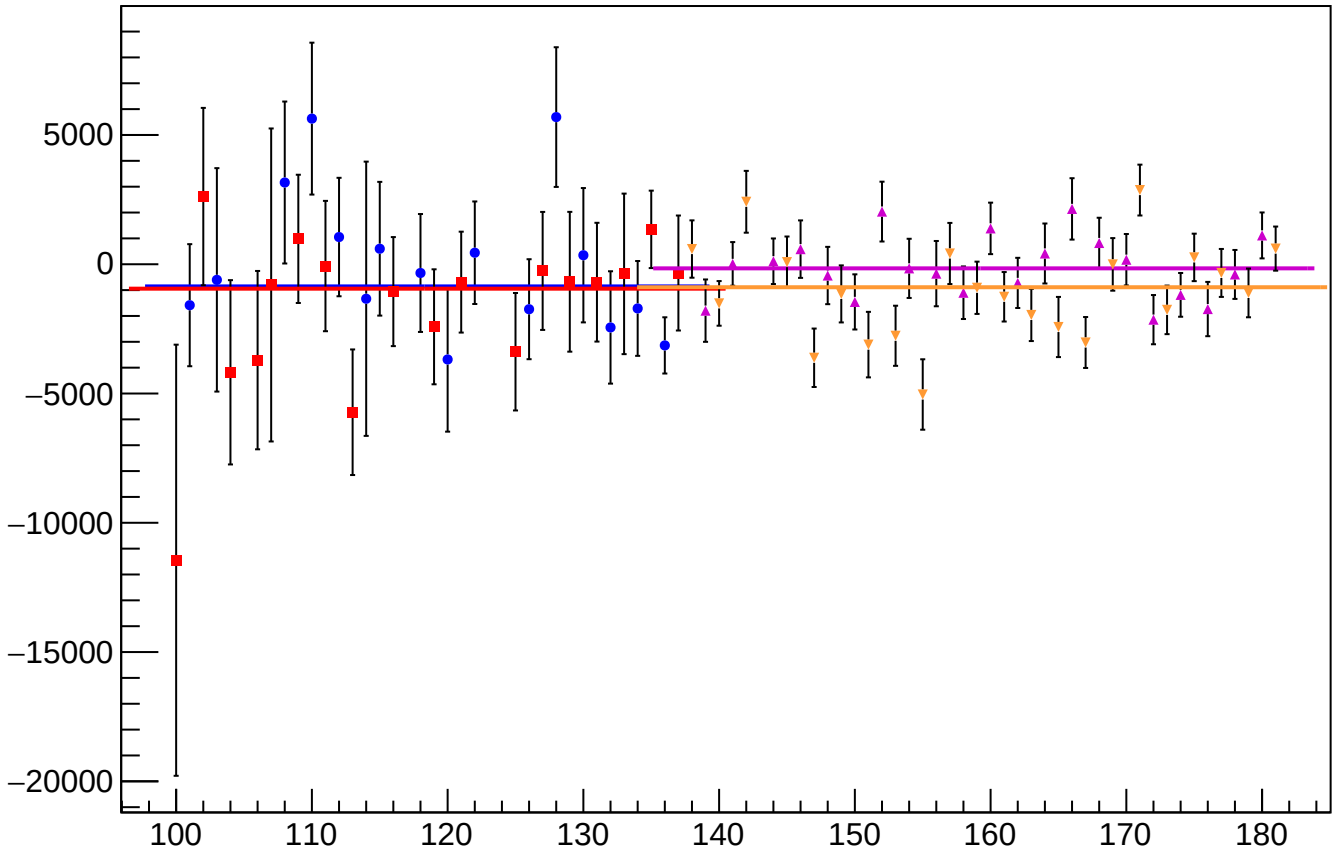
Right Out: 1892.866+/-0.503 χ^2/NDF: 251512.9/17

Left In: 1733.816+/-0.295 χ^2/NDF:2111.6/20

+ sign 1765.156+/-0.253 χ^2/NDF: 727143.8/37

All: 1769.814+/-0.179 χ^2/NDF: 1055809.5/76

- sign 1774.541+/-0.255 χ^2/NDF: 327981.2/38



Right In: -857.294+/-549.791 χ^2/NDF: 20.6/15

Left Out: -889.368+/-218.747 χ^2/NDF:62.0/21

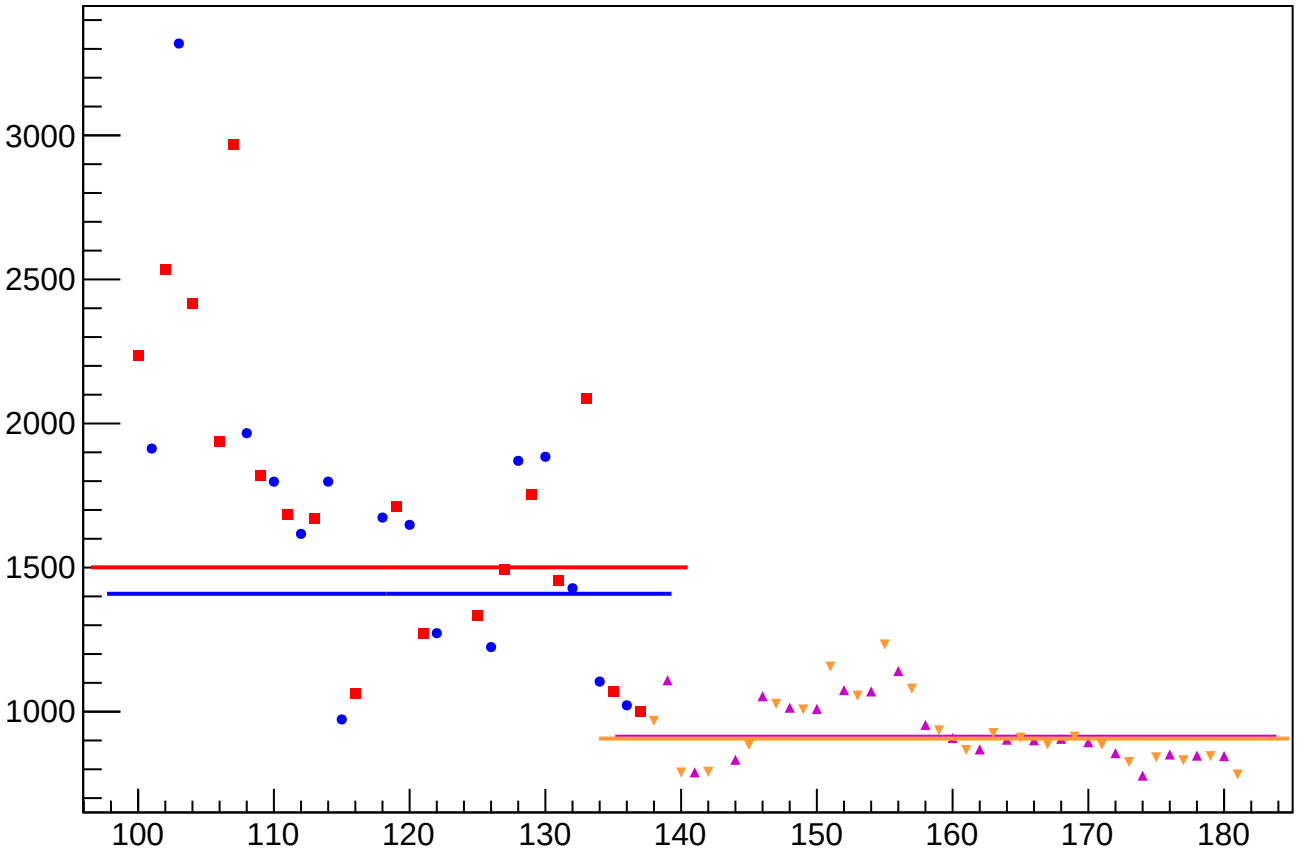
Right Out: -944.718+/-583.967 χ^2/NDF: 12.9/17

Left In: -158.904+/-221.628 χ^2/NDF:26.5/20

+ sign -884.984+/-203.250 χ^2/NDF: 82.6/37

All: -577.457+/-145.098 χ^2/NDF: 128.2/76

- sign -257.839+/-207.207 χ^2/NDF: 41.0/38



Right In: 1409.096+/-0.389 χ^2/NDF: 1167706.6/15

Left Out: 906.652+/-0.155 χ^2/NDF:467631.8/21

Right Out: 1500.801+/-0.413 χ^2/NDF: 1030768.2/17

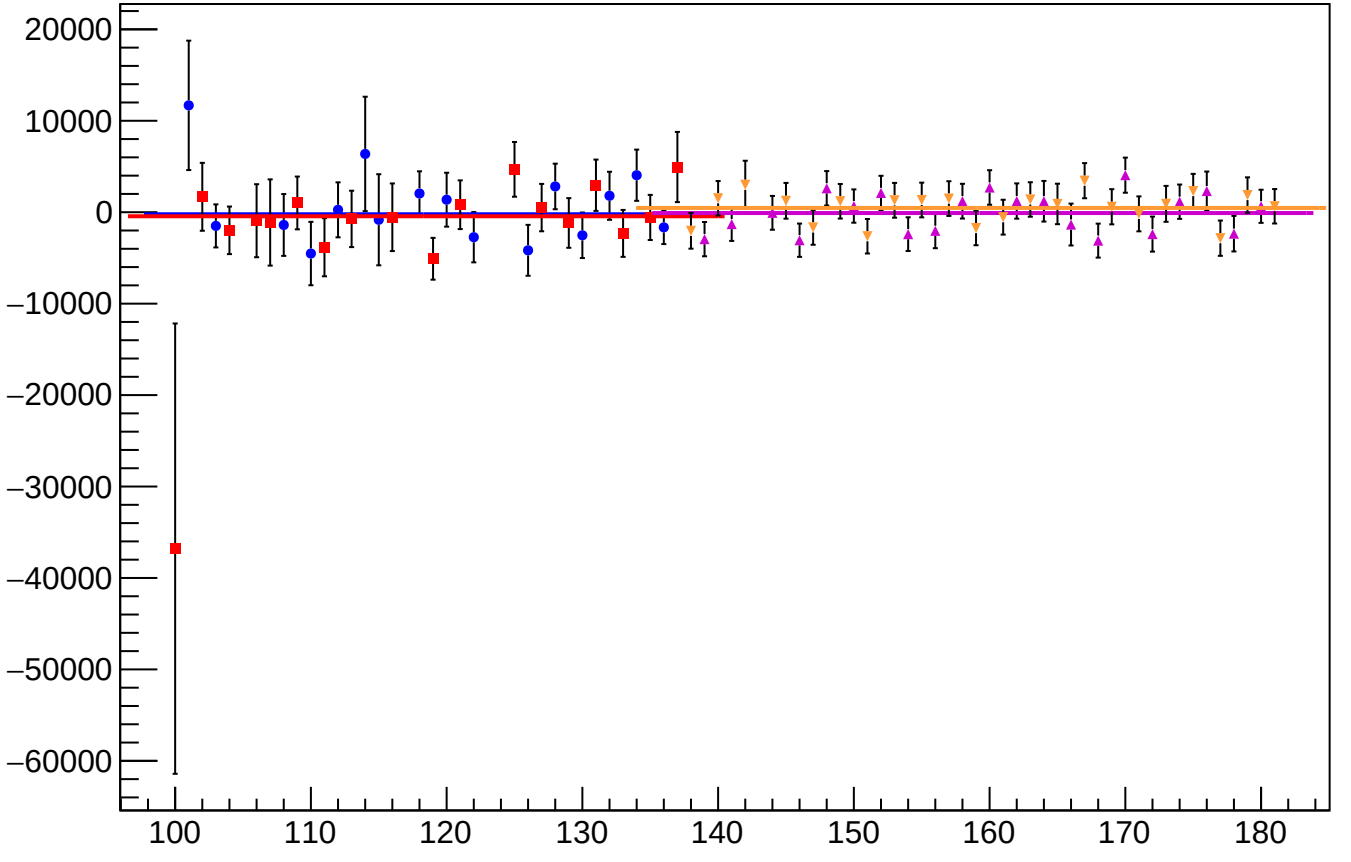
Left In: 913.160+/-0.157 χ^2/NDF:413805.1/20

\+ sign 975.319+/-0.144 χ^2/NDF: 3077413.9/37

All: 981.118+/-0.103 χ^2/NDF: 6295568.3/76

\- sign 987.145+/-0.147 χ^2/NDF: 3214834.5/38

cor_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -223.754+/-709.151 χ^2/NDF: 15.8/15

Left Out: 467.712+/-413.747 χ^2/NDF:16.8/21

Right Out: -443.022+/-713.098 χ^2/NDF: 15.8/17

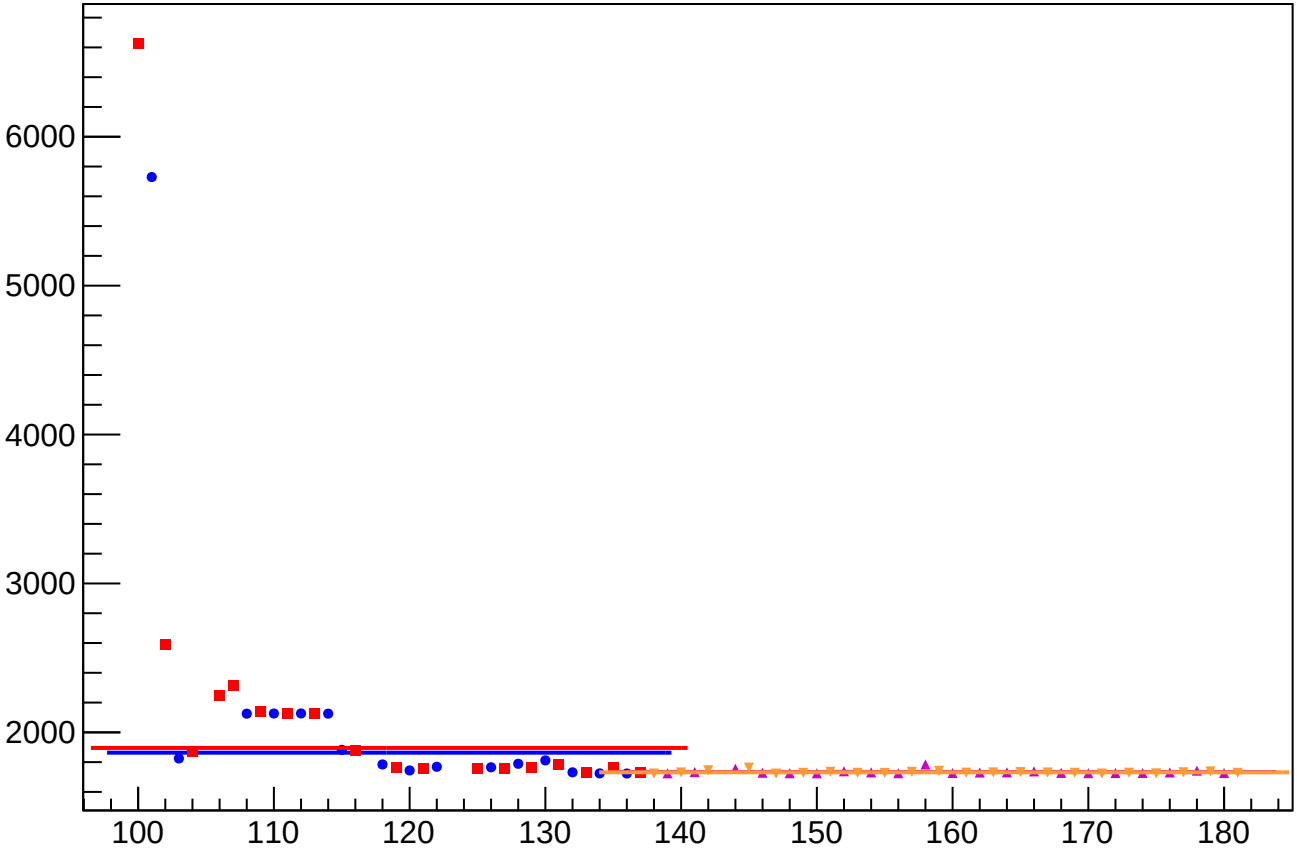
Left In: -89.714+/-417.397 χ^2/NDF:27.4/20

+ sign 292.111+/-357.369 χ^2/NDF: 33.3/37

All: 57.998+/-253.702 χ^2/NDF: 77.5/76

- sign -179.872+/-360.225 χ^2/NDF: 43.3/38

cor_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1863.581+/-0.501 χ^2/NDF: 674665.4/15

Left Out: 1731.652+/-0.293 χ^2/NDF:837.2/21

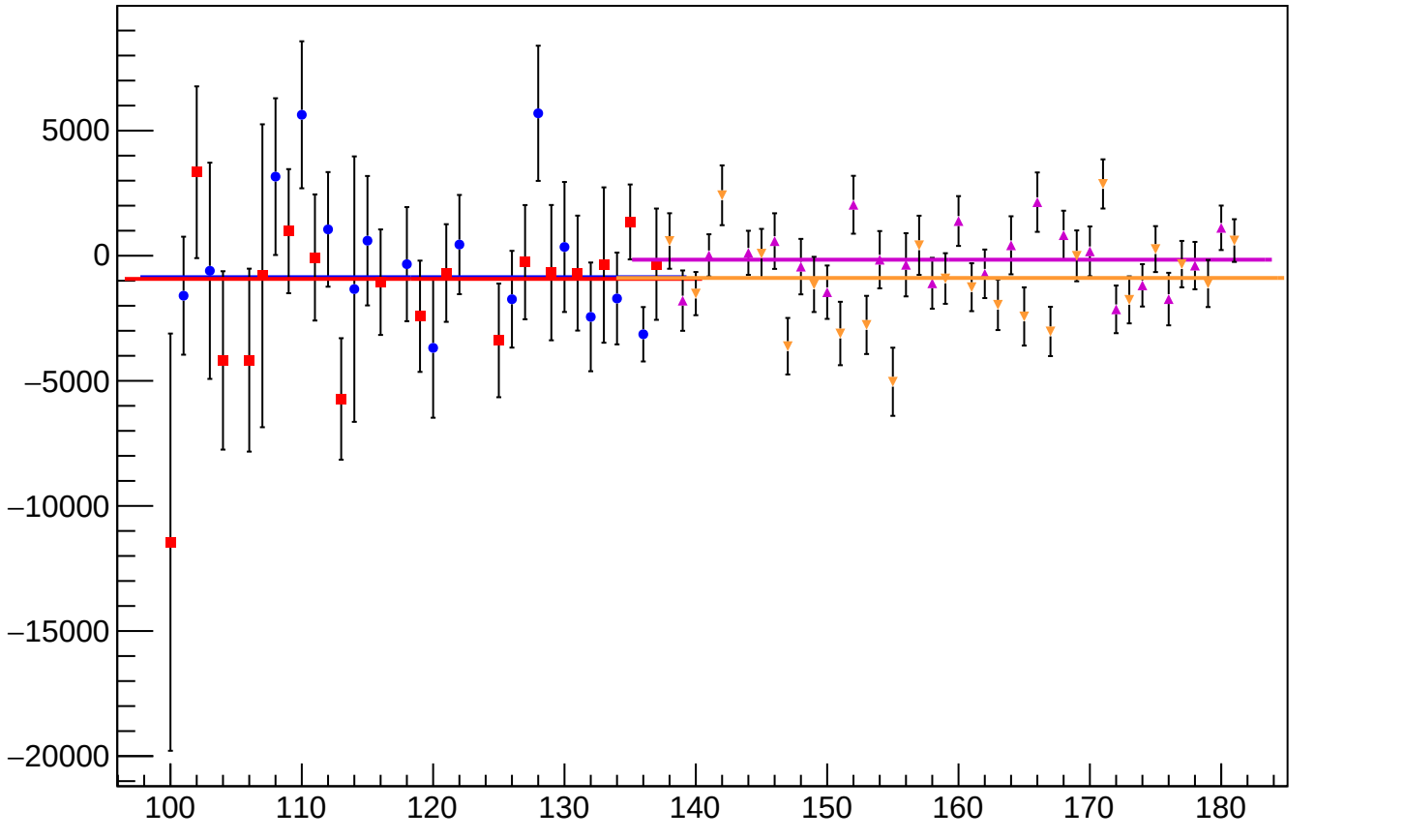
Right Out: 1895.491+/-0.504 χ^2/NDF: 259171.7/17

Left In: 1733.816+/-0.295 χ^2/NDF:2111.6/20

+ sign 1765.156+/-0.253 χ^2/NDF: 727143.7/37

All: 1770.075+/-0.179 χ^2/NDF: 1065762.6/76

- sign 1775.073+/-0.255 χ^2/NDF: 337855.0/38



Right In: -858.115+/-549.748 χ^2/NDF: 20.6/15

Left Out: -889.357+/-218.747 χ^2/NDF:62.0/21

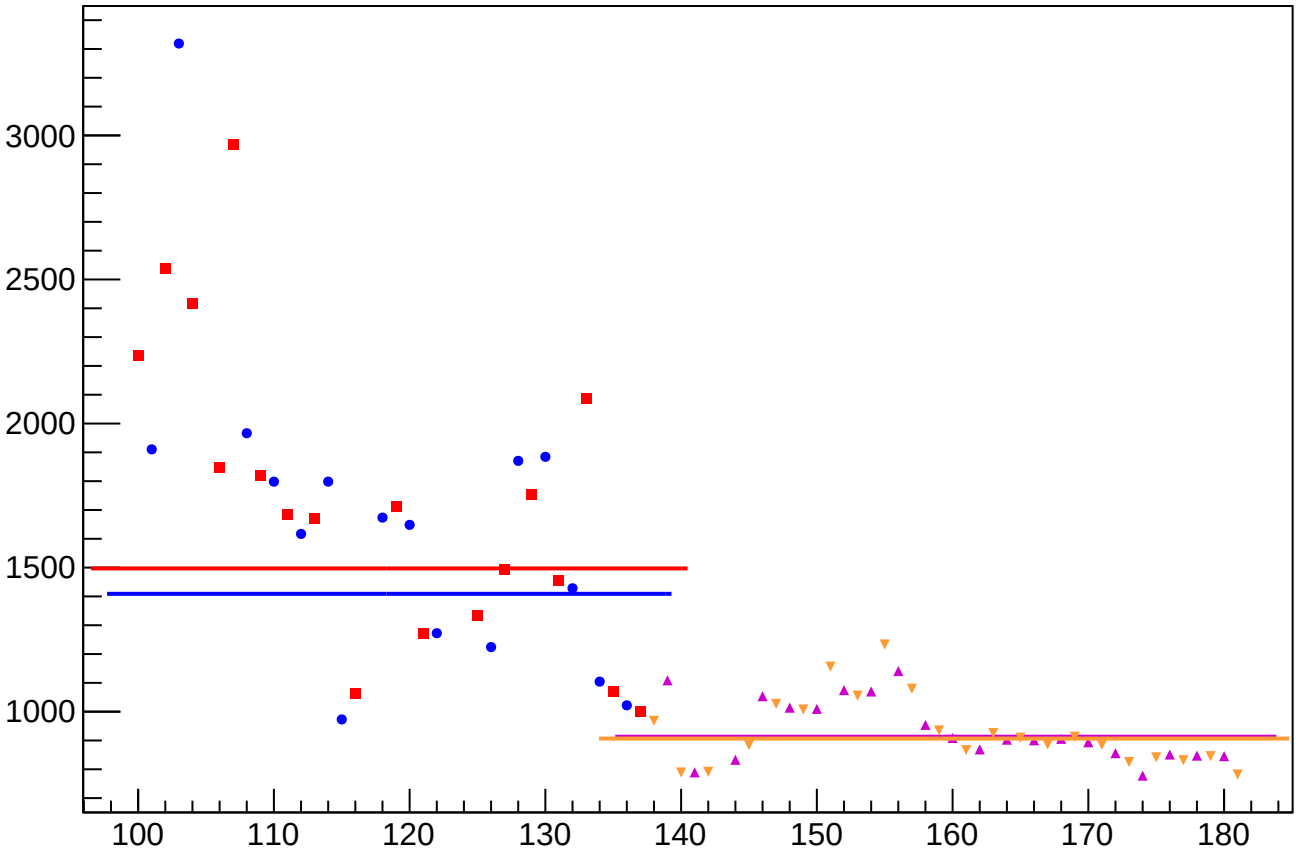
Right Out: -927.191+/-584.886 χ^2/NDF: 13.5/17

Left In: -158.886+/-221.627 χ^2/NDF:26.5/20

+ sign -885.086+/-203.248 χ^2/NDF: 82.6/37

All: -576.353+/-145.111 χ^2/NDF: 128.8/76

- sign -255.351+/-207.247 χ^2/NDF: 41.5/38



Right In: 1409.018+/-0.389 χ^2/NDF: 1167065.5/15

Left Out: 906.653+/-0.155 χ^2/NDF:467587.3/21

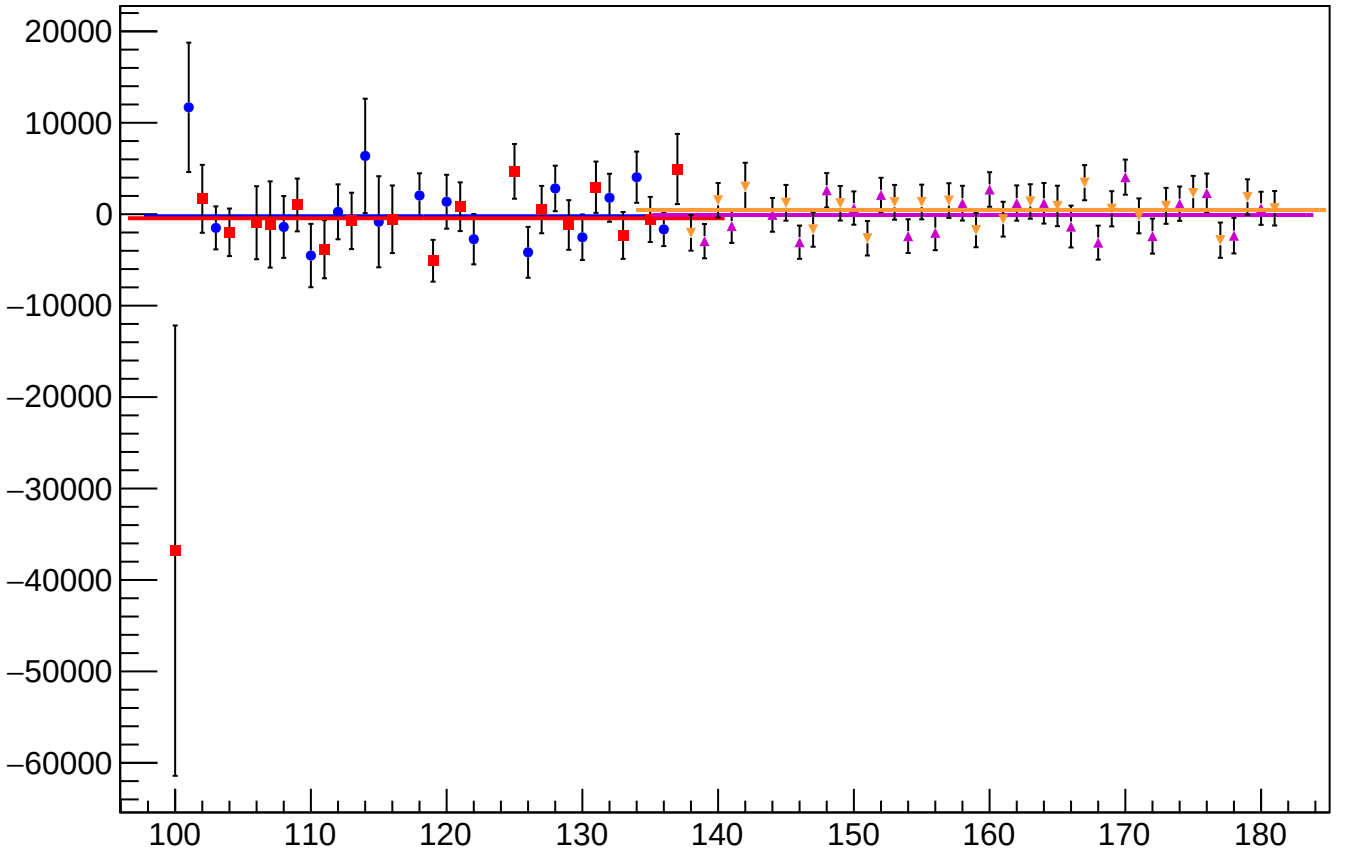
Right Out: 1497.149+/-0.414 χ^2/NDF: 1018123.6/17

Left In: 913.156+/-0.157 χ^2/NDF:413820.8/20

+ sign 975.320+/-0.144 χ^2/NDF: 3076466.9/37

All: 980.791+/-0.103 χ^2/NDF: 6254918.8/76

- sign 986.479+/-0.147 χ^2/NDF: 3175496.1/38



Right In: -223.754+/-709.151 χ^2/NDF: 15.8/15

Left Out: 467.712+/-413.747 χ^2/NDF:16.8/21

Right Out: -443.022+/-713.098 χ^2/NDF: 15.8/17

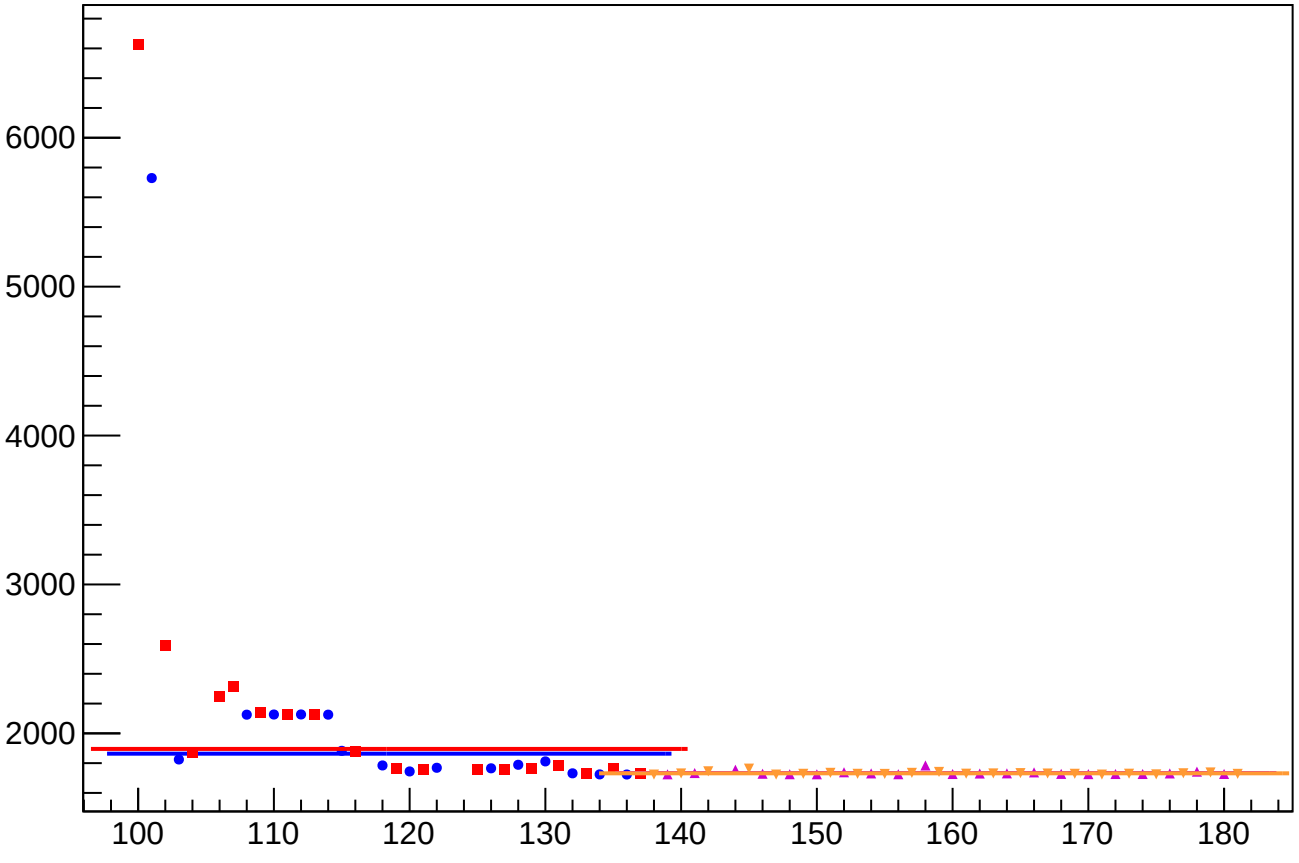
Left In: -89.714+/-417.397 χ^2/NDF:27.4/20

+ sign 292.111+/-357.369 χ^2/NDF: 33.3/37

All: 57.998+/-253.702 χ^2/NDF: 77.5/76

- sign -179.872+/-360.225 χ^2/NDF: 43.3/38

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: 1731.652+/-0.293 χ^2/NDF:837.2/21

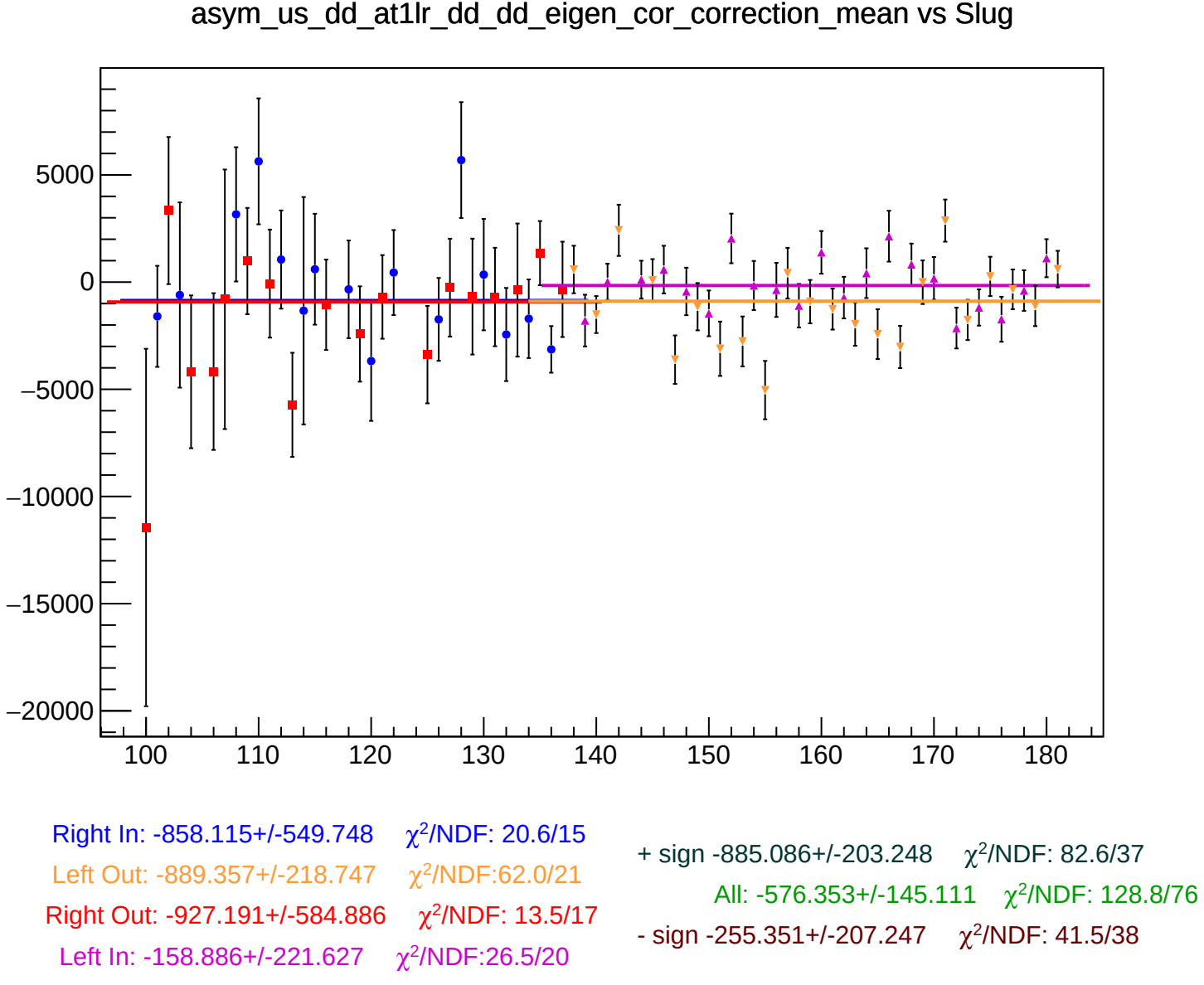
Right Out: 1895.491+/-0.504 χ^2/NDF: 259171.7/17

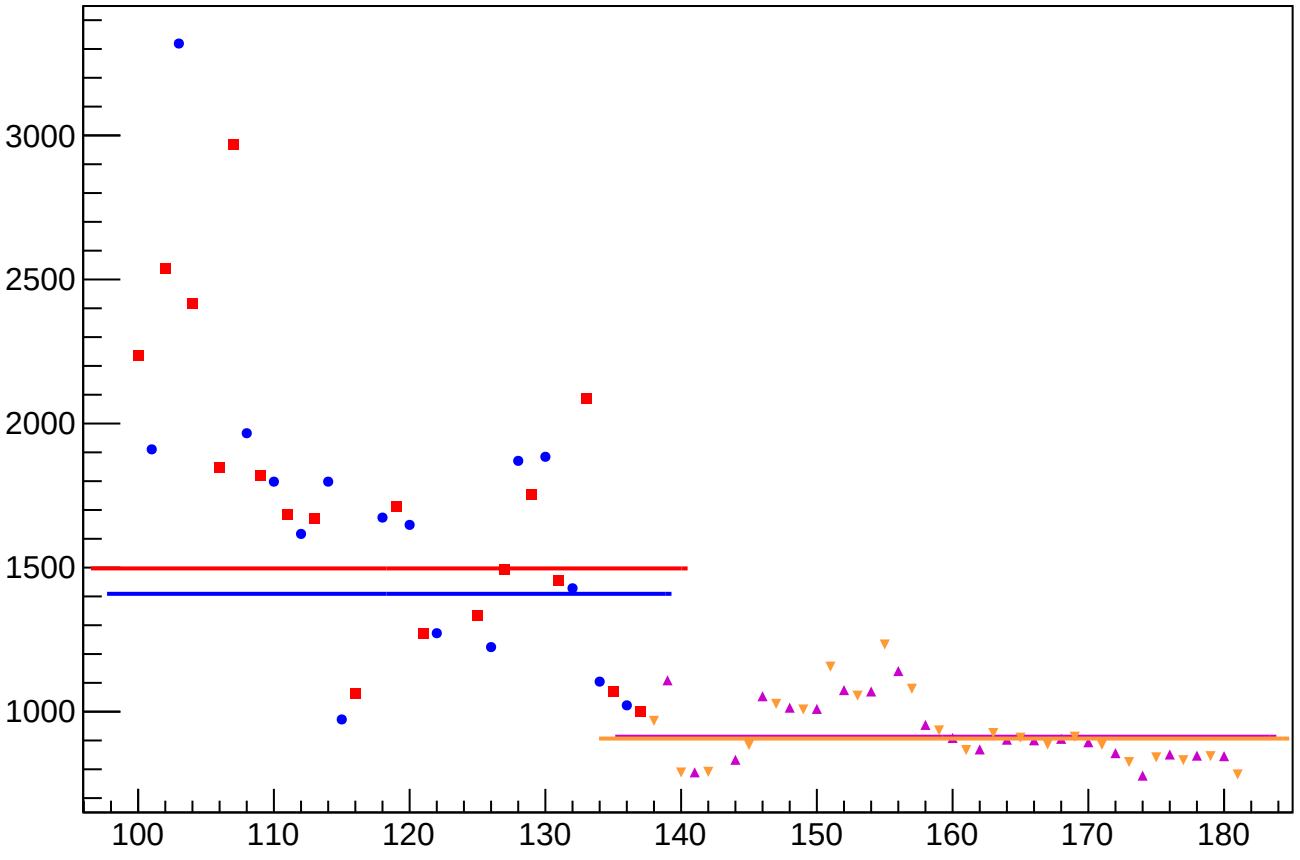
Left In: 1733.816+/-0.295 χ^2/NDF:2111.6/20

+ sign 1765.156+/-0.253 χ^2/NDF: 727143.7/37

All: 1770.075+/-0.179 χ^2/NDF: 1065762.6/76

- sign 1775.073+/-0.255 χ^2/NDF: 337855.0/38


asym_us_dd_at1lr_dd_dd_eigen_cor_correction_mean vs Slug
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
170
180
Right In: -858.115+/-549.748 χ²/NDF: 20.6/15
Left Out: -889.357+/-218.747 χ²/NDF:62.0/21
Right Out: -927.191+/-584.886 χ²/NDF: 13.5/17
Left In: -158.886+/-221.627 χ²/NDF:26.5/20
+ sign -885.086+/-203.248 χ²/NDF: 82.6/37
All: -576.353+/-145.111 χ²/NDF: 128.8/76
- sign -255.351+/-207.247 χ²/NDF: 41.5/38



Right In: 1409.018+/-0.389 χ^2/NDF: 1167065.5/15

Left Out: 906.653+/-0.155 χ^2/NDF:467587.3/21

Right Out: 1497.149+/-0.414 χ^2/NDF: 1018123.6/17

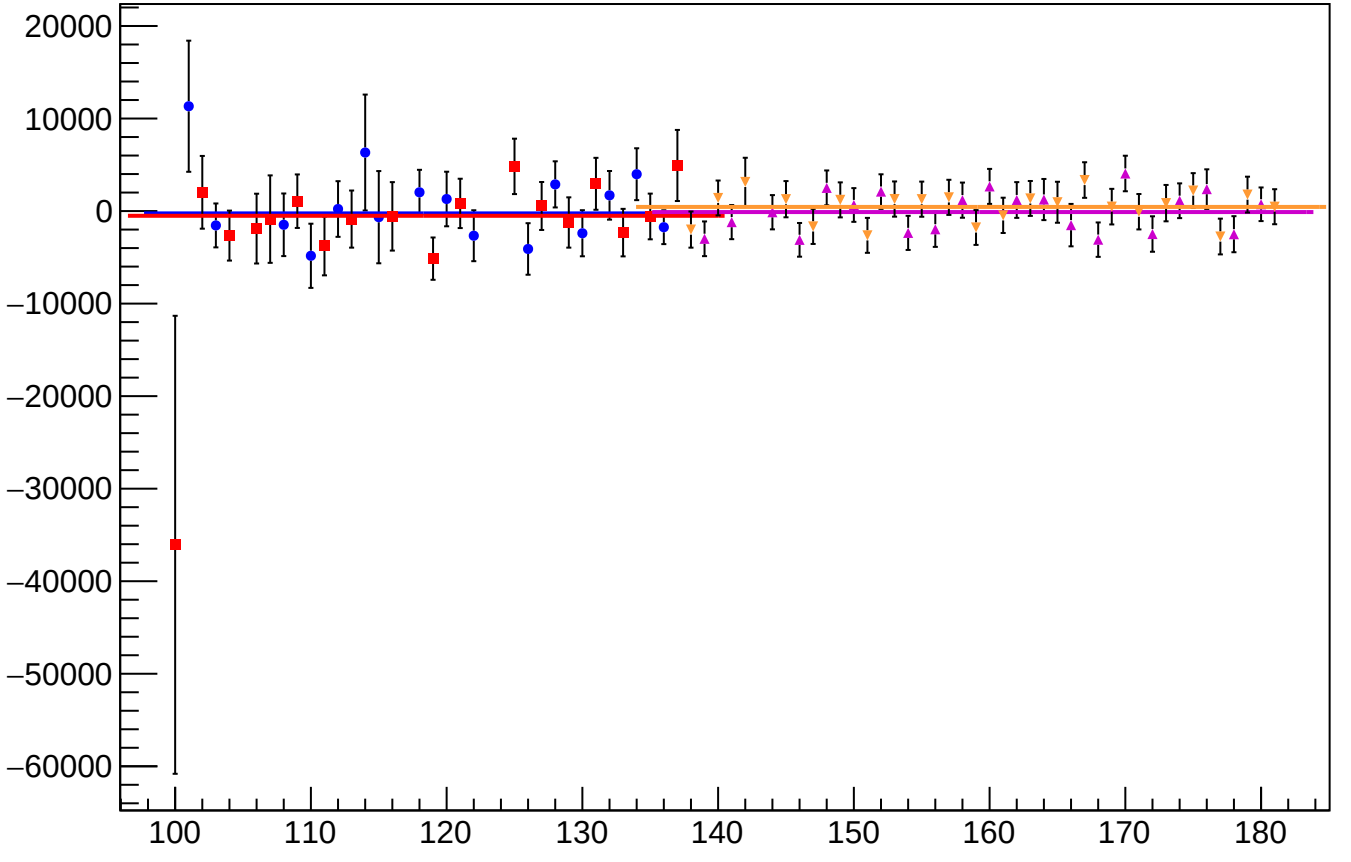
Left In: 913.156+/-0.157 χ^2/NDF:413820.8/20

\+ sign 975.320+/-0.144 χ^2/NDF: 3076466.9/37

All: 980.791+/-0.103 χ^2/NDF: 6254918.8/76

\- sign 986.479+/-0.147 χ^2/NDF: 3175496.1/38

dit_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -252.024+/-709.973 χ^2/NDF: 15.6/15

Left Out: 447.823+/-414.117 χ^2/NDF:16.2/21

Right Out: -510.117+/-715.442 χ^2/NDF: 16.4/17

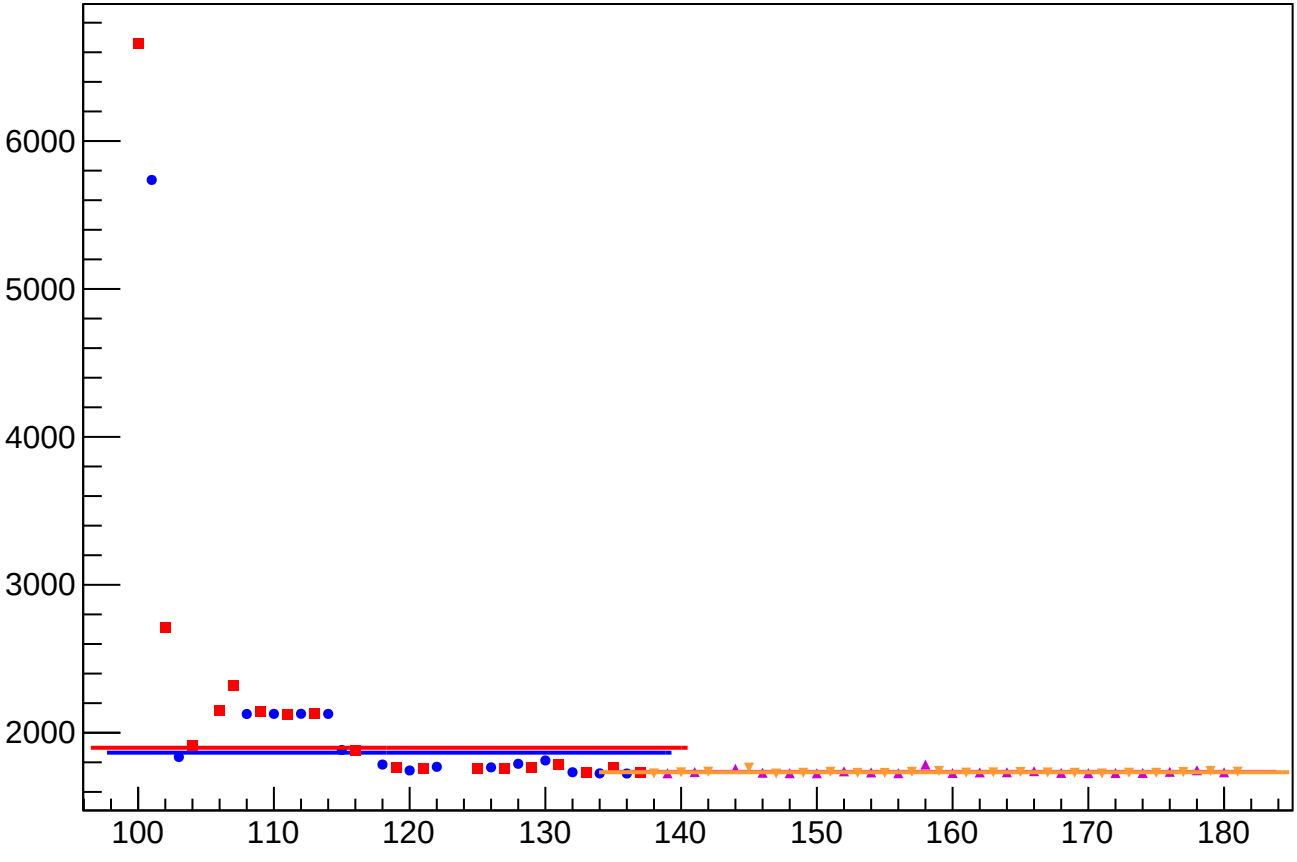
Left In: -107.773+/-417.758 χ^2/NDF:27.5/20

+ sign 270.163+/-357.713 χ^2/NDF: 32.6/37

All: 32.080+/-254.011 χ^2/NDF: 77.6/76

- sign -210.075+/-360.759 χ^2/NDF: 44.2/38

dit_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1865.440+/-0.502 χ^2/NDF: 674989.6/15

Left Out: 1733.174+/-0.293 χ^2/NDF:783.9/21

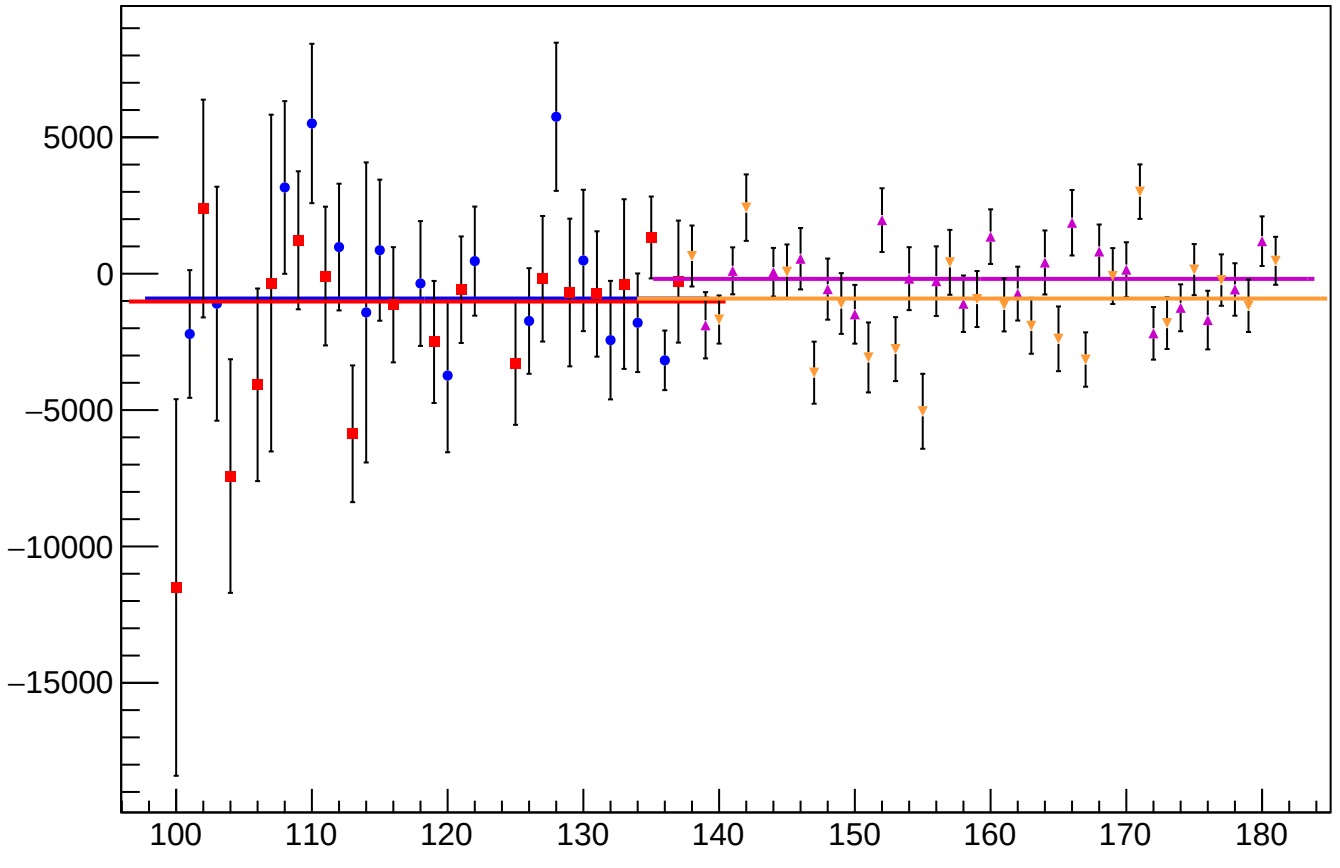
Right Out: 1898.603+/-0.506 χ^2/NDF: 269110.1/17

Left In: 1735.315+/-0.295 χ^2/NDF:2107.0/20

+ sign 1766.751+/-0.253 χ^2/NDF: 727565.6/37

All: 1771.749+/-0.180 χ^2/NDF: 1077262.6/76

- sign 1776.833+/-0.255 χ^2/NDF: 348909.3/38



Right In: -910.955+/-550.836 χ^2/NDF: 21.0/15

Left Out: -911.420+/-221.978 χ^2/NDF:61.4/21

Right Out: -1020.124+/-591.600 χ^2/NDF: 14.9/17

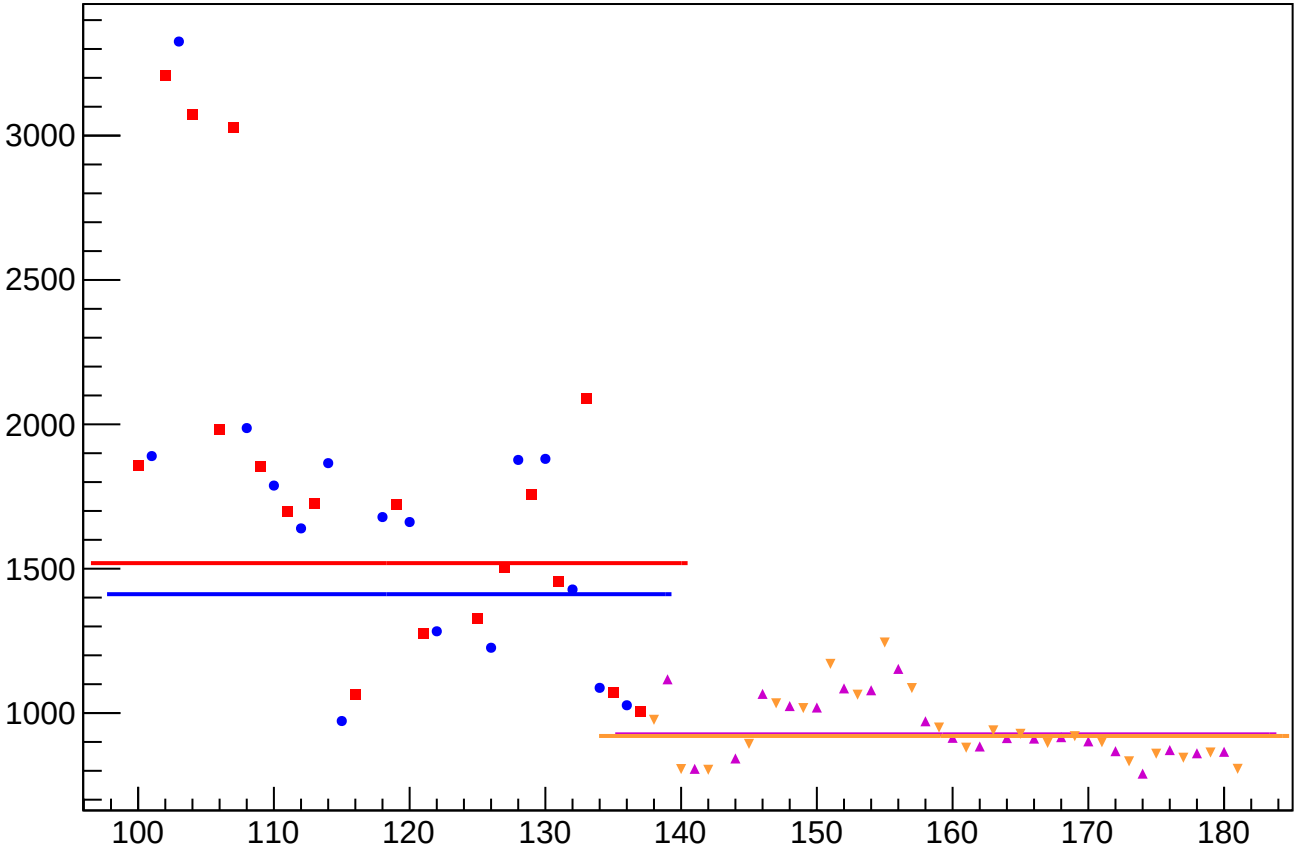
Left In: -190.832+/-224.686 χ^2/NDF:25.6/20

+ sign -911.355+/-205.889 χ^2/NDF: 82.4/37

All: -609.520+/-147.034 χ^2/NDF: 129.1/76

- sign -295.372+/-210.047 χ^2/NDF: 42.3/38

asym_us_dd_at1lr_dd_dd_dit_correction_rms vs Slug



Right In: 1411.748+/-0.389 χ^2/NDF: 1177745.4/15

Left Out: 920.692+/-0.157 χ^2/NDF:436170.0/21

Right Out: 1519.305+/-0.418 χ^2/NDF: 1360145.6/17

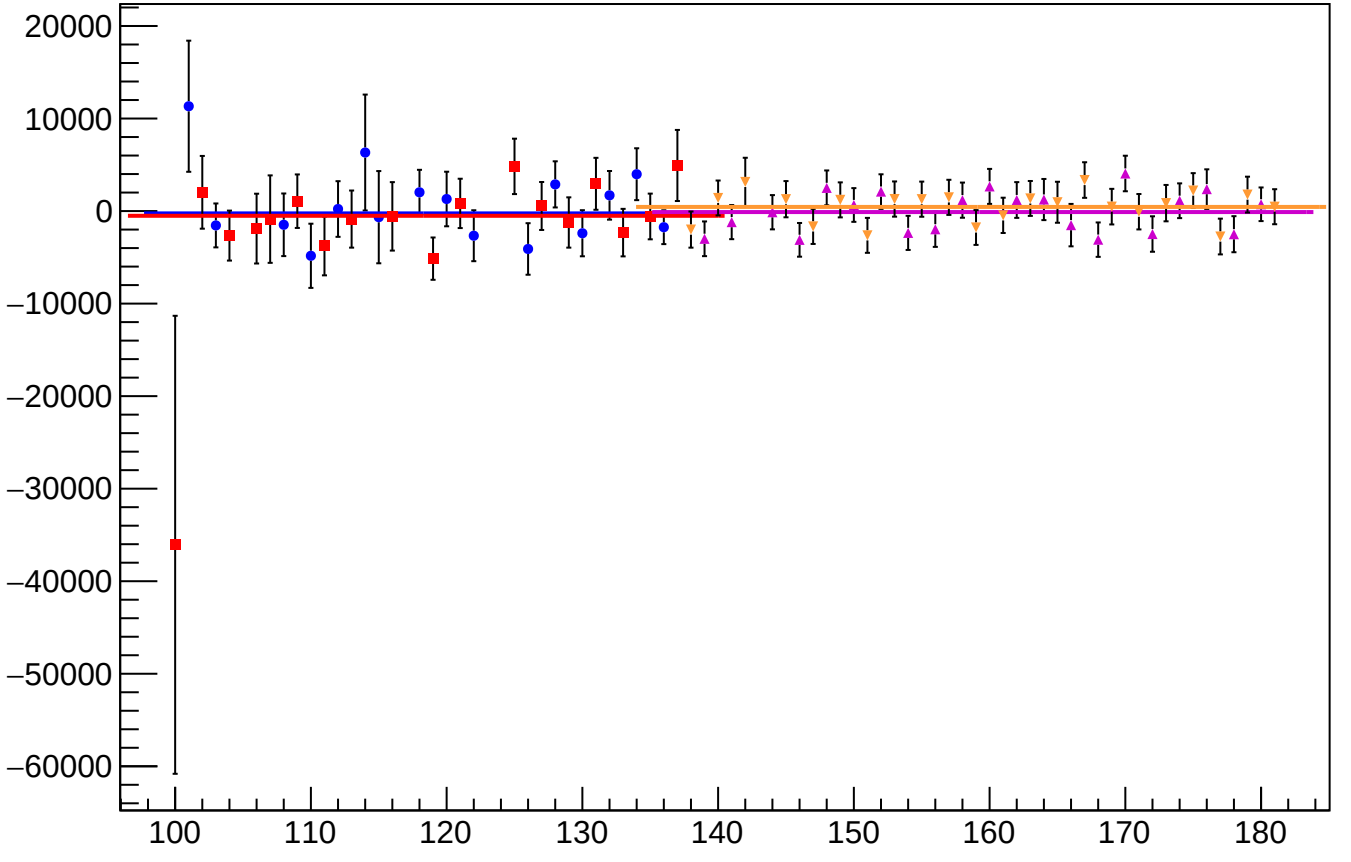
Left In: 926.282+/-0.159 χ^2/NDF:392123.0/20

\+ sign 989.297+/-0.146 χ^2/NDF: 2981307.4/37

All: 995.050+/-0.104 χ^2/NDF: 6493063.2/76

\- sign 1001.038+/-0.149 χ^2/NDF: 3508568.6/38

eigen_dit_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -252.023+/-709.973 χ^2/NDF: 15.6/15

Left Out: 447.823+/-414.117 χ^2/NDF:16.2/21

Right Out: -510.117+/-715.442 χ^2/NDF: 16.4/17

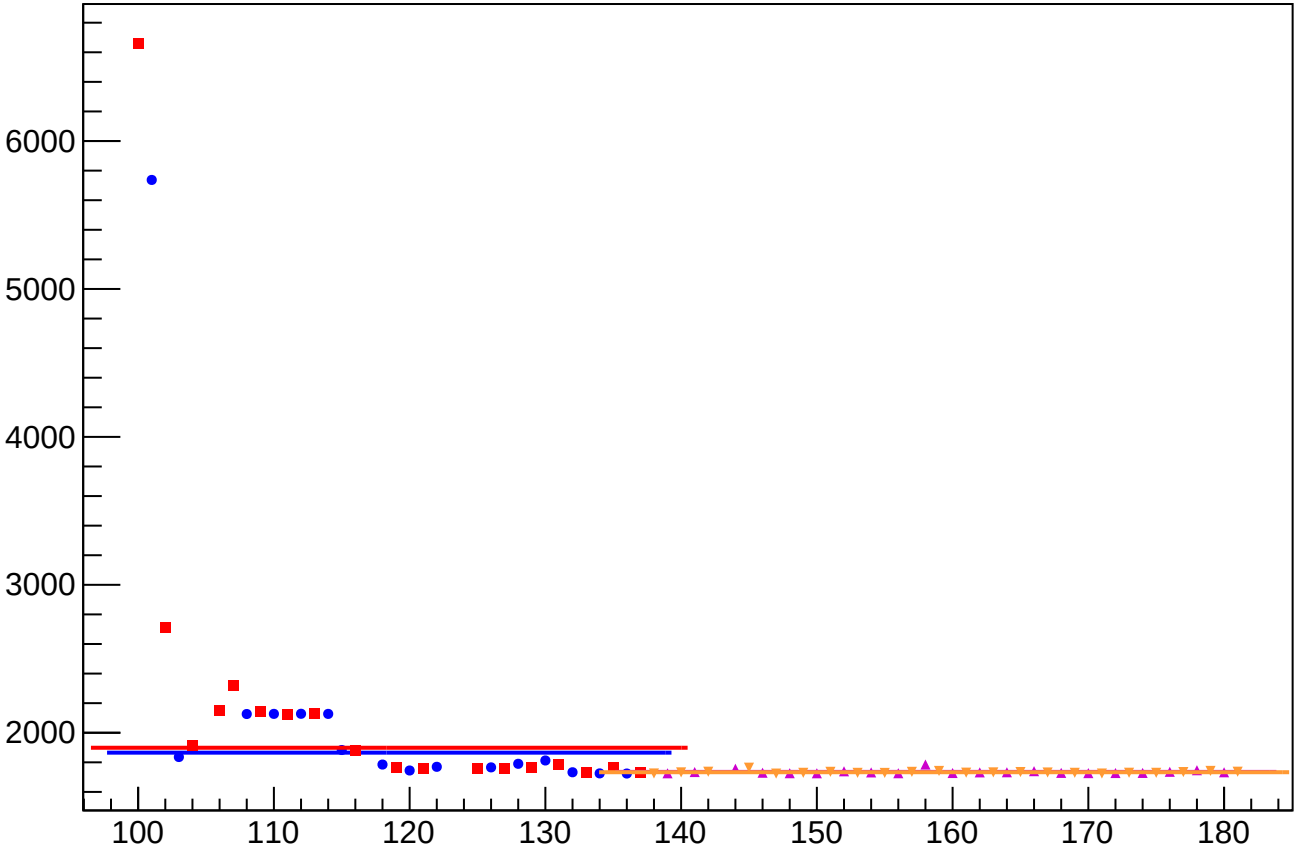
Left In: -107.773+/-417.758 χ^2/NDF:27.5/20

+ sign 270.163+/-357.713 χ^2/NDF: 32.6/37

All: 32.080+/-254.011 χ^2/NDF: 77.6/76

- sign -210.075+/-360.759 χ^2/NDF: 44.2/38

eigen_dit_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1865.440+/-0.502 χ^2/NDF: 674989.6/15

Left Out: 1733.174+/-0.293 χ^2/NDF:783.9/21

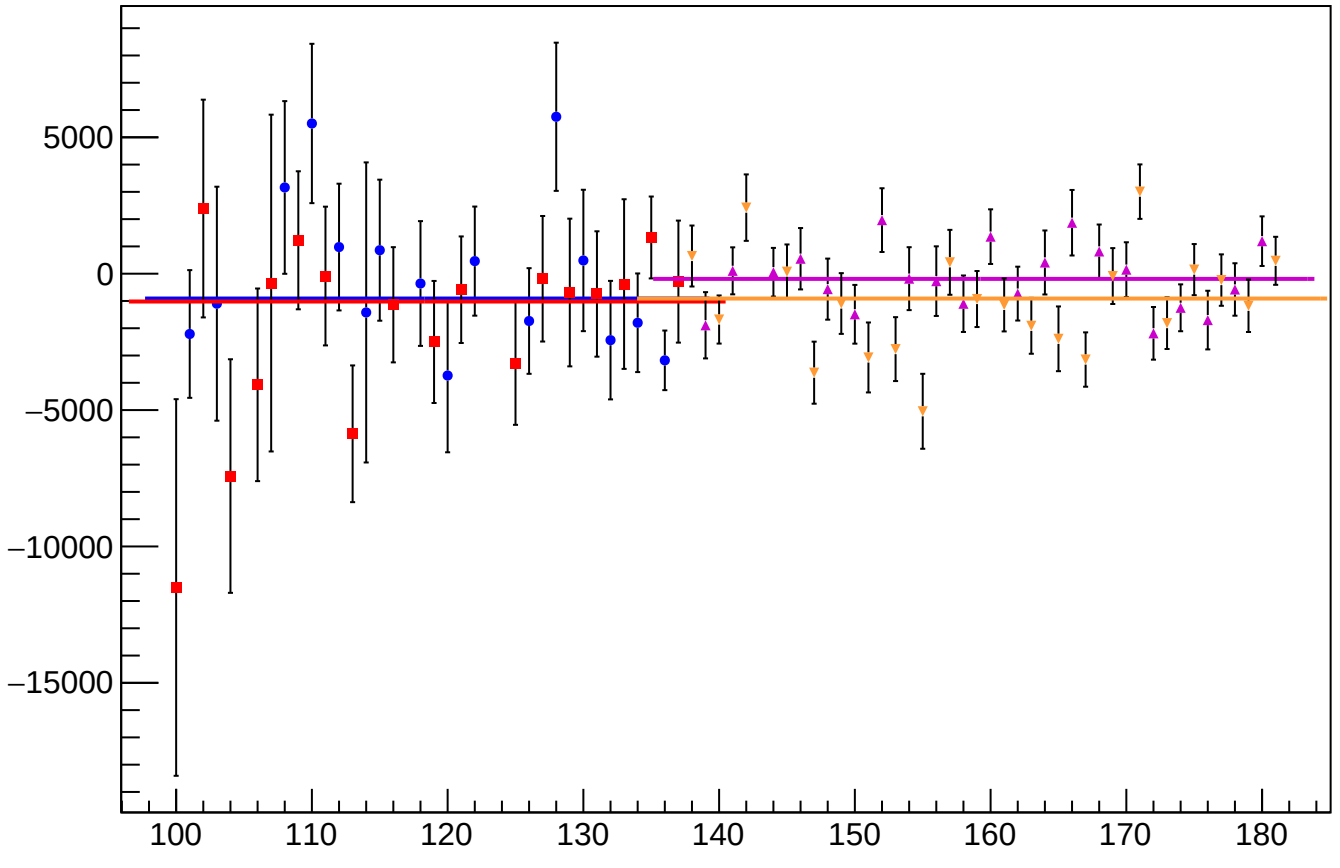
Right Out: 1898.603+/-0.506 χ^2/NDF: 269109.9/17

Left In: 1735.315+/-0.295 χ^2/NDF:2107.0/20

+ sign 1766.751+/-0.253 χ^2/NDF: 727565.6/37

All: 1771.749+/-0.180 χ^2/NDF: 1077262.3/76

- sign 1776.833+/-0.255 χ^2/NDF: 348909.0/38



Right In: -910.950+/-550.835 χ^2/NDF: 21.0/15

Left Out: -911.419+/-221.978 χ^2/NDF:61.4/21

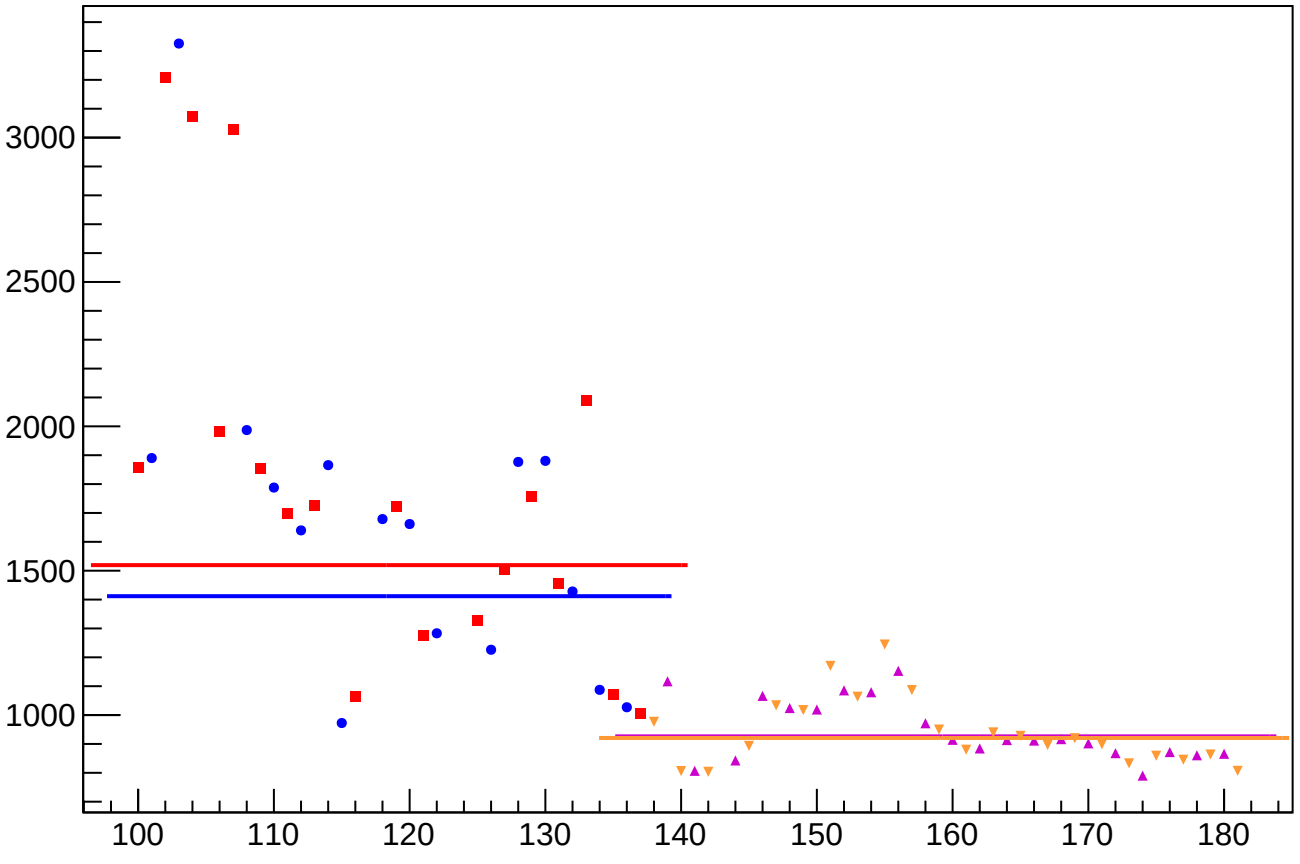
Right Out: -1020.123+/-591.599 χ^2/NDF: 14.9/17

Left In: -190.830+/-224.686 χ^2/NDF:25.6/20

+ sign -911.354+/-205.889 χ^2/NDF: 82.4/37

All: -609.519+/-147.034 χ^2/NDF: 129.1/76

- sign -295.371+/-210.047 χ^2/NDF: 42.3/38



Right In: 1411.745+/-0.389 χ^2/NDF: 1177746.1/15

Left Out: 920.692+/-0.157 χ^2/NDF:436177.4/21

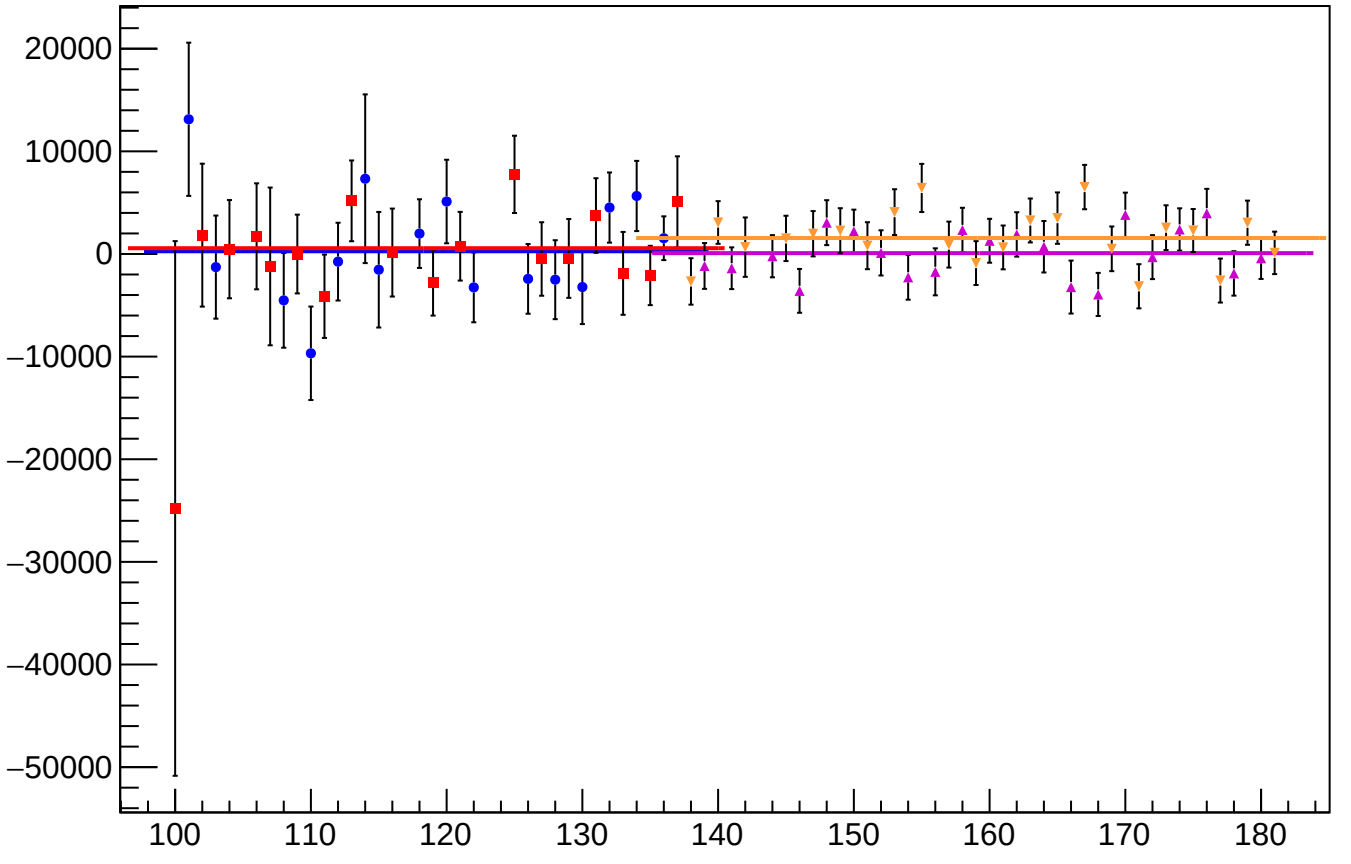
Right Out: 1519.302+/-0.418 χ^2/NDF: 1360150.0/17

Left In: 926.282+/-0.159 χ^2/NDF:392131.6/20

\+ sign 989.296+/-0.146 χ^2/NDF: 2981303.4/37

All: 995.050+/-0.104 χ^2/NDF: 6493062.8/76

\- sign 1001.038+/-0.149 χ^2/NDF: 3508572.1/38



Right In: 264.383+/-941.979 χ^2/NDF: 19.0/15

Left Out: 1553.468+/-471.386 χ^2/NDF:28.1/21

Right Out: 560.962+/-962.943 χ^2/NDF: 11.7/17

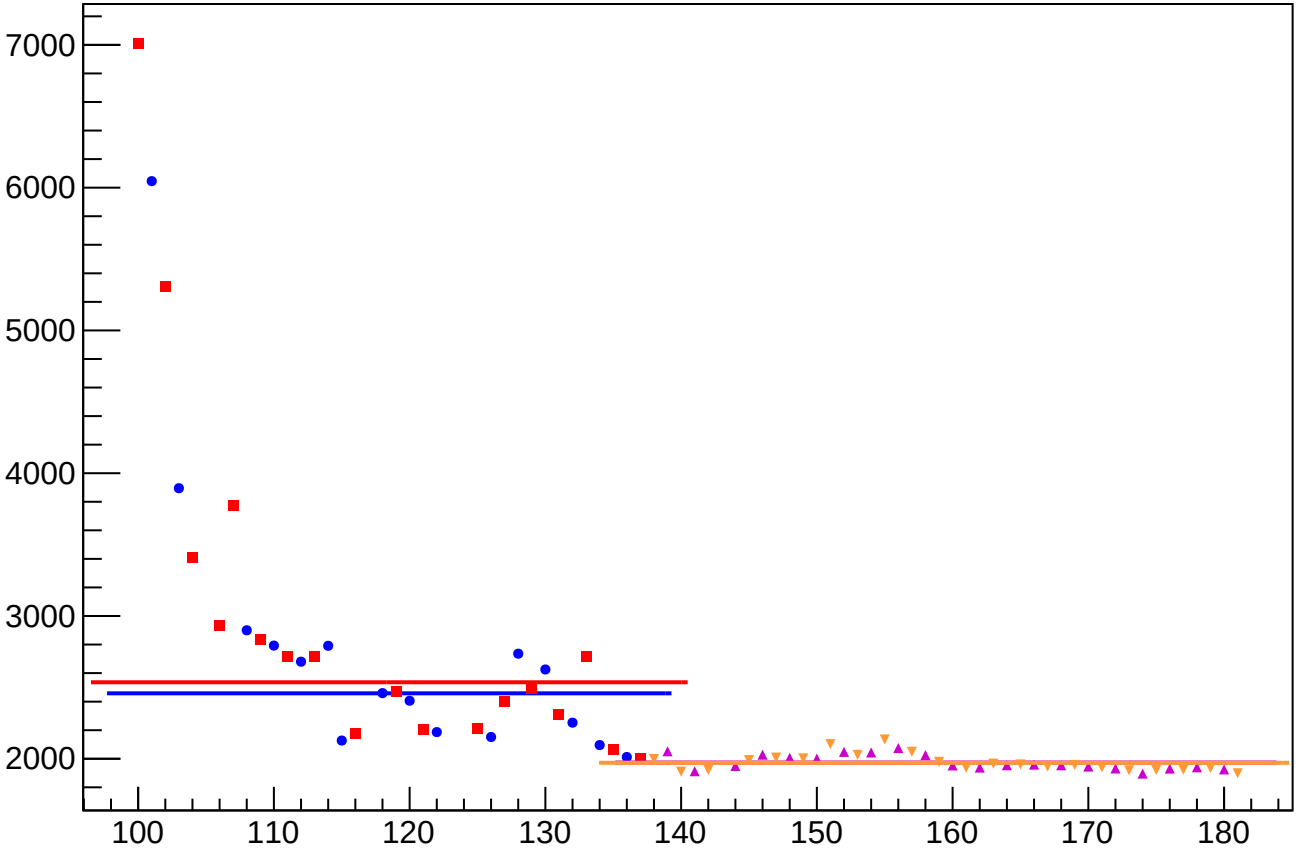
Left In: 82.383+/-475.366 χ^2/NDF:23.8/20

+ sign 1295.304+/-421.549 χ^2/NDF: 48.6/37

All: 741.945+/-299.731 χ^2/NDF: 87.9/76

- sign 176.160+/-426.256 χ^2/NDF: 35.7/38

asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 2458.332+/-0.666 χ^2/NDF: 832888.7/15

Left Out: 1971.715+/-0.333 χ^2/NDF:31467.2/21

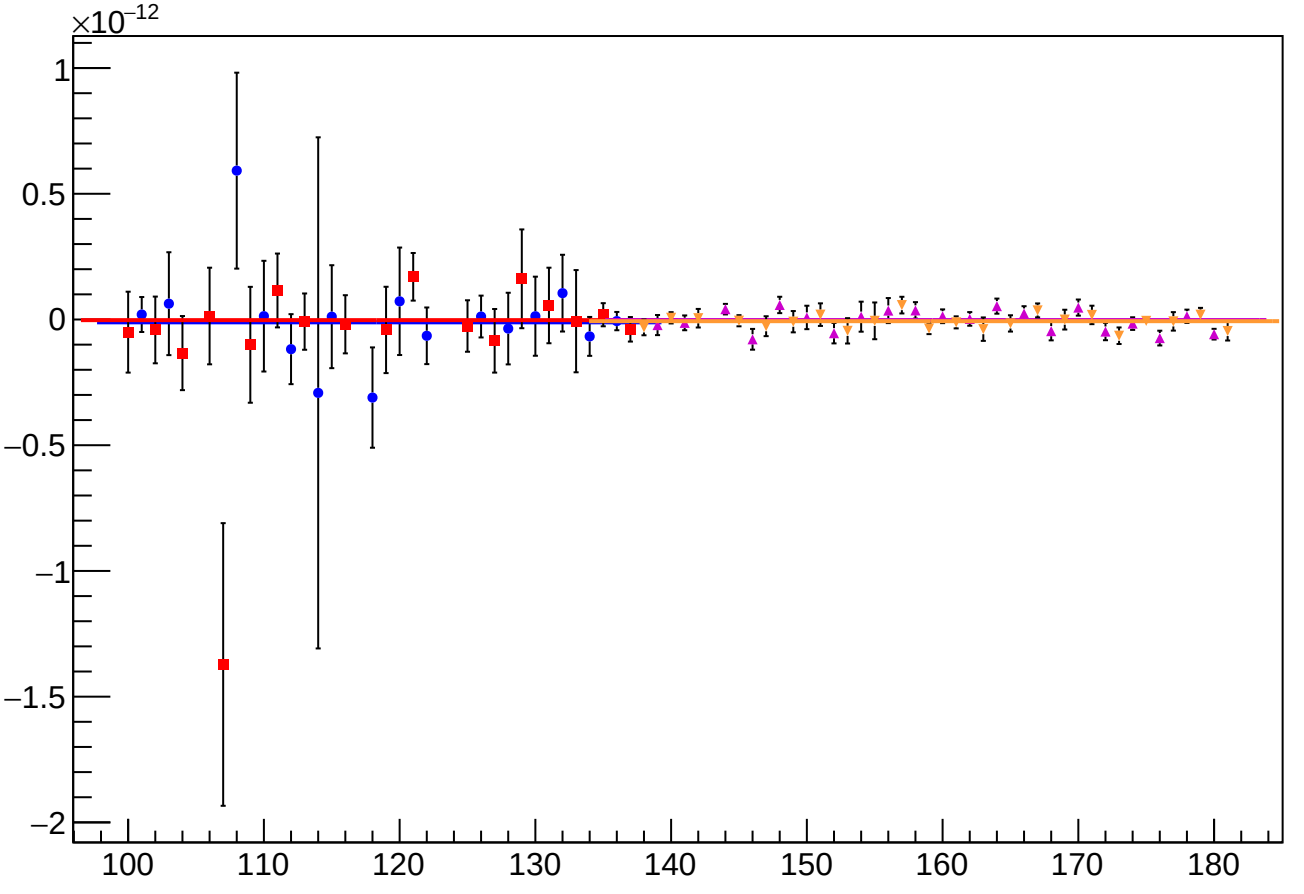
Right Out: 2535.782+/-0.681 χ^2/NDF: 673337.1/17

Left In: 1973.783+/-0.336 χ^2/NDF:23379.8/20

+ sign 2069.169+/-0.298 χ^2/NDF: 1291195.8/37

All: 2076.456+/-0.212 χ^2/NDF: 2536878.2/76

- sign 2083.906+/-0.301 χ^2/NDF: 1244473.9/38



Right In: -0.000+/-0.000 χ^2/NDF: 7.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:16.2/21

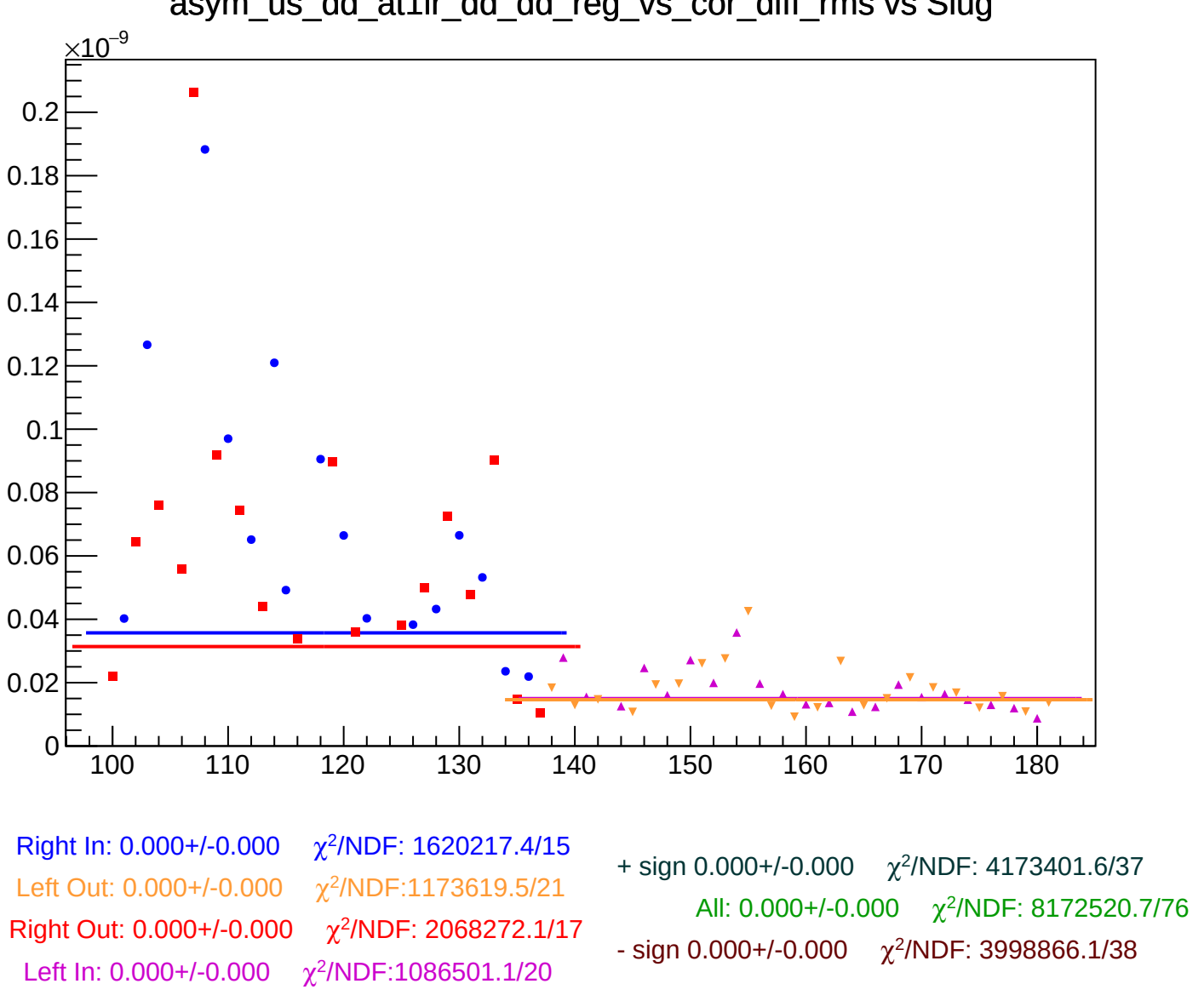
Right Out: -0.000+/-0.000 χ^2/NDF: 13.2/17

Left In: -0.000+/-0.000 χ^2/NDF:38.9/20

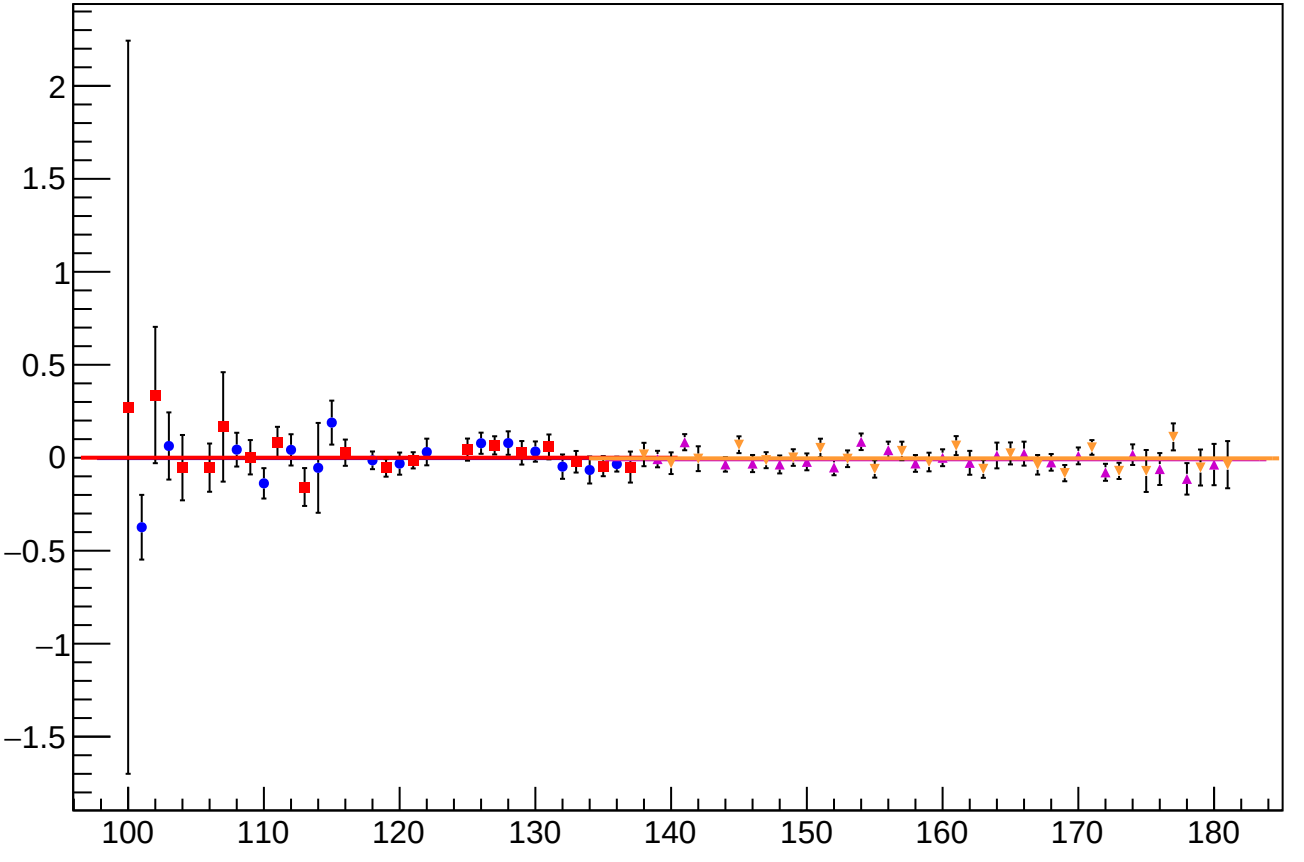
+ sign -0.000+/-0.000 χ^2/NDF: 23.5/37

All: -0.000+/-0.000 χ^2/NDF: 75.9/76

- sign -0.000+/-0.000 χ^2/NDF: 52.1/38


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:1173619.5/21
Right Out: 0.000+/-0.000 χ²/NDF: 2068272.1/17
Left In: 0.000+/-0.000 χ²/NDF:1086501.1/20
+ sign 0.000+/-0.000 χ²/NDF: 4173401.6/37
All: 0.000+/-0.000 χ²/NDF: 8172520.7/76
- sign 0.000+/-0.000 χ²/NDF: 3998866.1/38

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:21.4/21

Right Out: 0.000+/-0.017 χ^2/NDF: 10.9/17

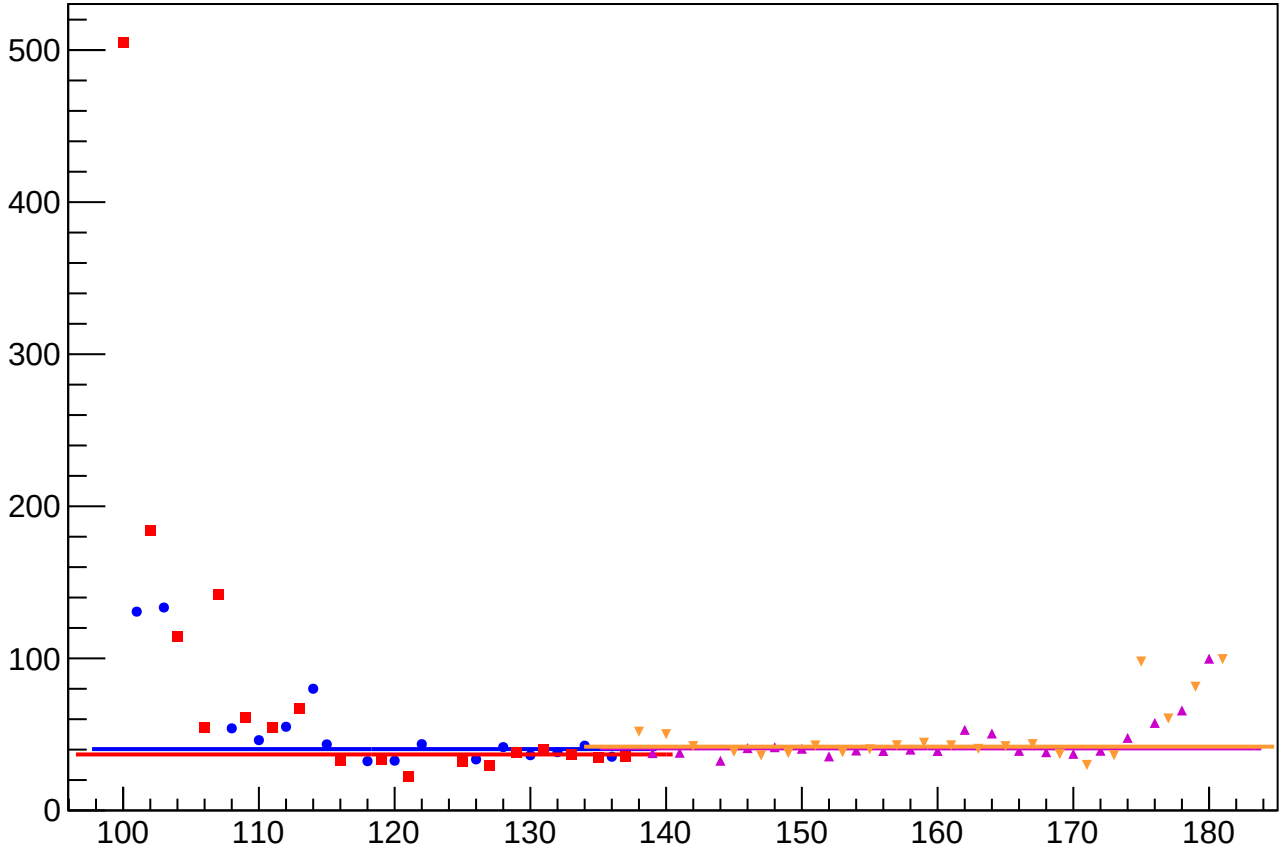
Left In: -0.008+/-0.011 χ^2/NDF:17.9/20

+ sign -0.003+/-0.009 χ^2/NDF: 38.6/37

All: -0.004+/-0.007 χ^2/NDF: 67.6/76

- sign -0.006+/-0.009 χ^2/NDF: 29.0/38

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_rms vs Slug



Right In: 40.352+/-0.012 χ^2/NDF: 1410137.1/15

Left Out: 41.948+/-0.008 χ^2/NDF:1789642.0/21

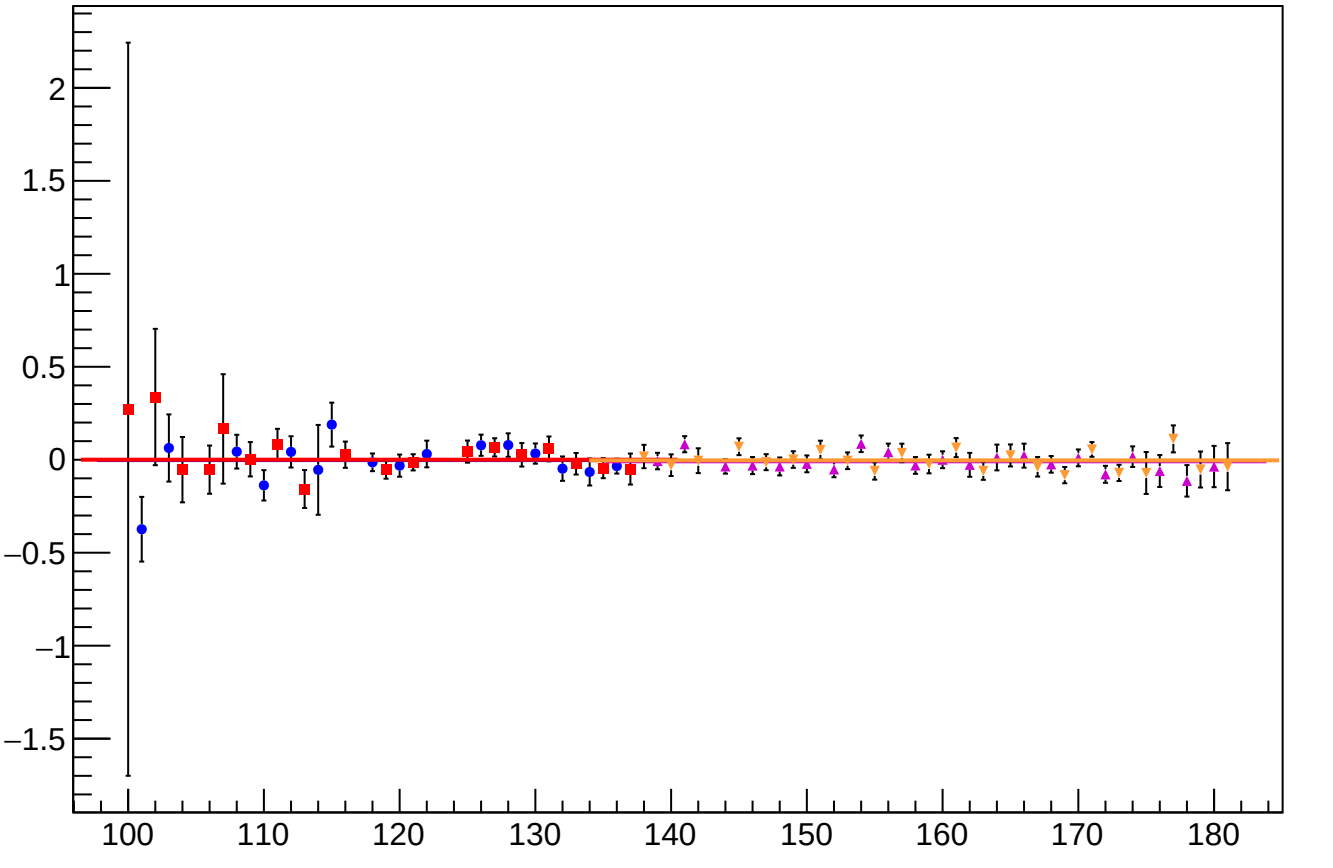
Right Out: 36.825+/-0.012 χ^2/NDF: 1837124.6/17

Left In: 40.811+/-0.008 χ^2/NDF:1124139.6/20

+ sign 41.471+/-0.007 χ^2/NDF: 3212024.1/37

All: 40.523+/-0.005 χ^2/NDF: 6293781.2/76

- sign 39.619+/-0.006 χ^2/NDF: 3041477.9/38



Right In: -0.002+/-0.017 χ^2/NDF: 17.1/15

Left Out: -0.003+/-0.011 χ^2/NDF:21.4/21

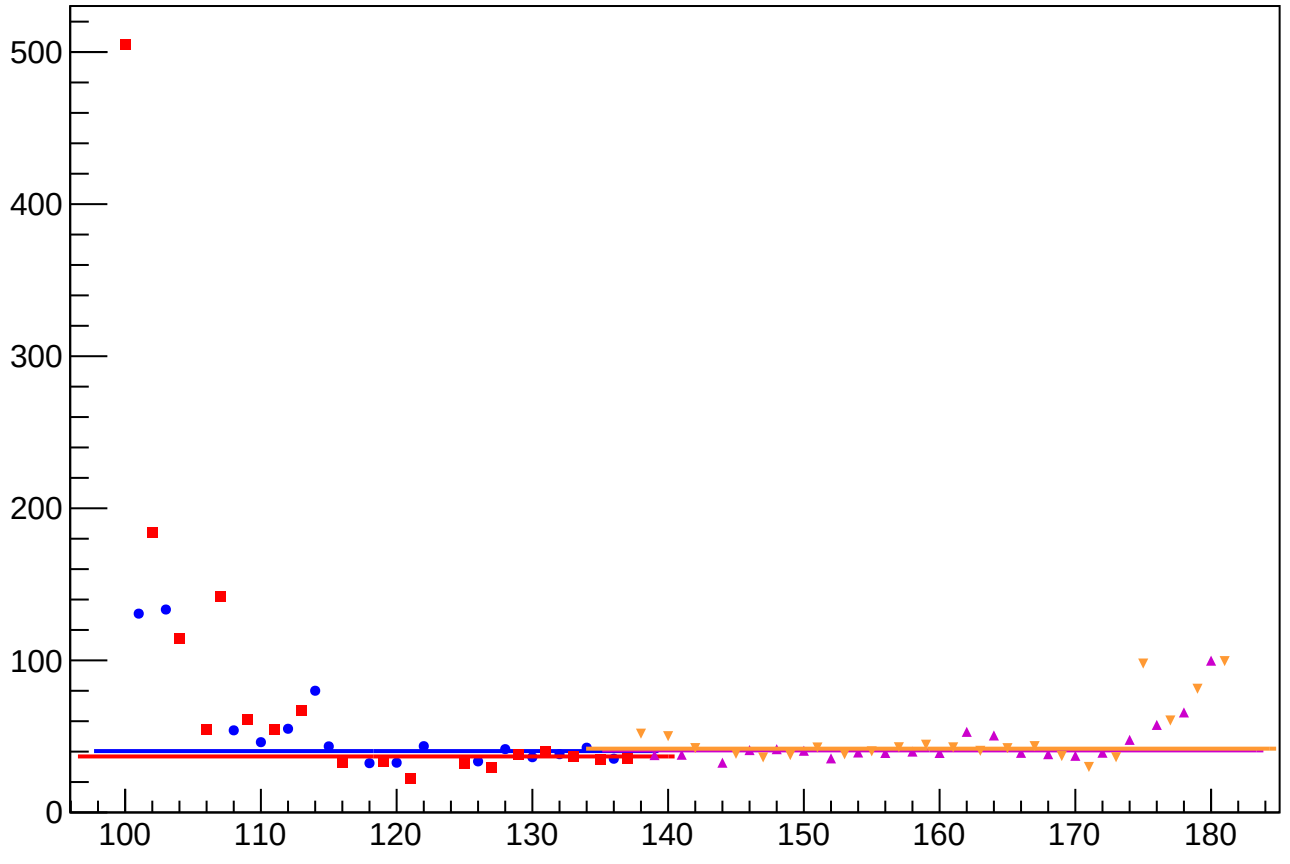
Right Out: 0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: -0.008+/-0.011 χ^2/NDF:17.9/20

+ sign -0.003+/-0.009 χ^2/NDF: 38.6/37

All: -0.004+/-0.007 χ^2/NDF: 67.6/76

- sign -0.006+/-0.009 χ^2/NDF: 29.0/38



Right In: 40.352+/-0.012 χ^2/NDF: 1410137.1/15

Left Out: 41.948+/-0.008 χ^2/NDF:1789642.0/21

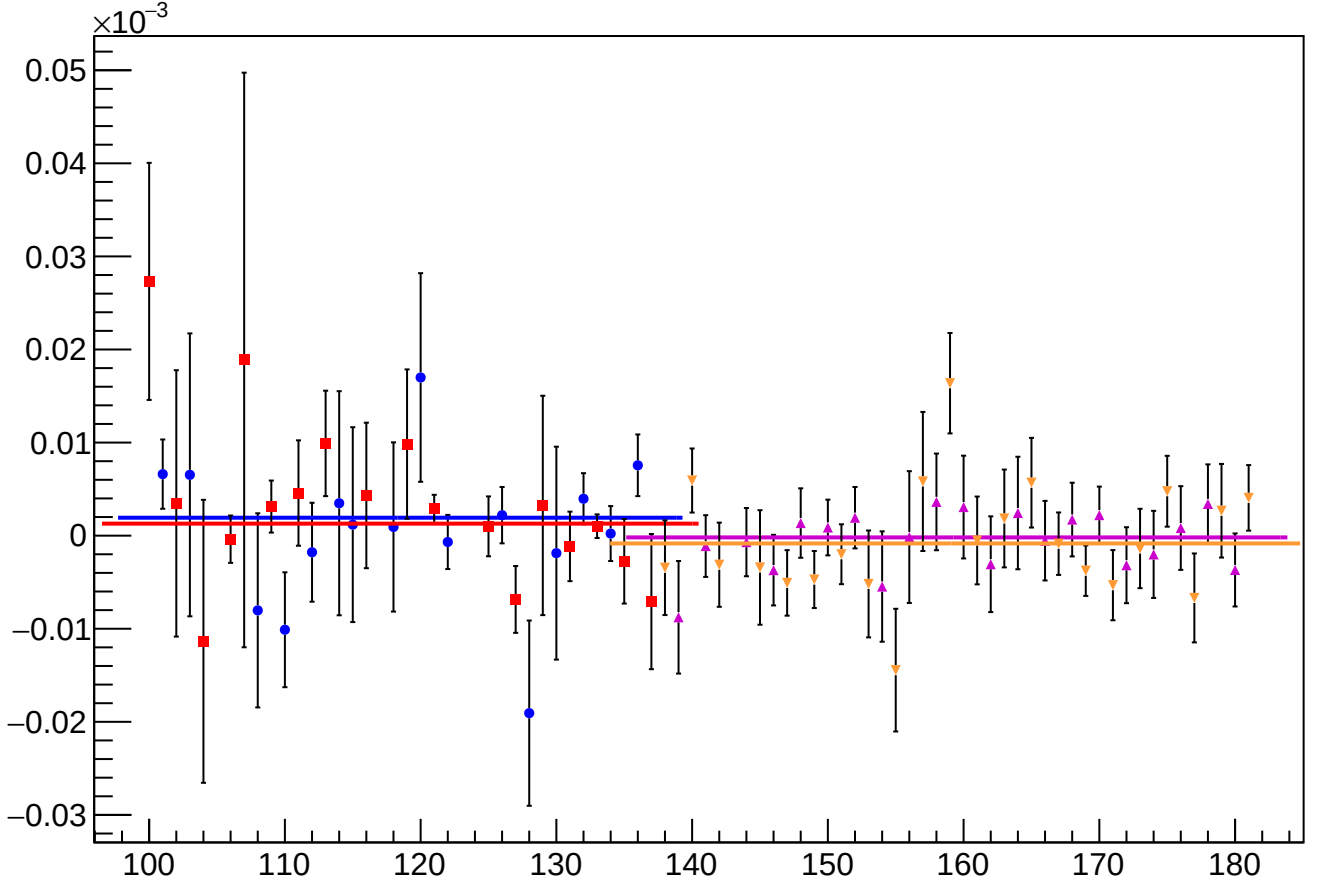
Right Out: 36.825+/-0.012 χ^2/NDF: 1837124.6/17

Left In: 40.811+/-0.008 χ^2/NDF:1124139.6/20

+ sign 41.471+/-0.007 χ^2/NDF: 3212024.1/37

All: 40.523+/-0.005 χ^2/NDF: 6293781.2/76

- sign 39.619+/-0.006 χ^2/NDF: 3041477.9/38



Right In: 0.000+/-0.000 χ^2/NDF: 17.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:34.3/21

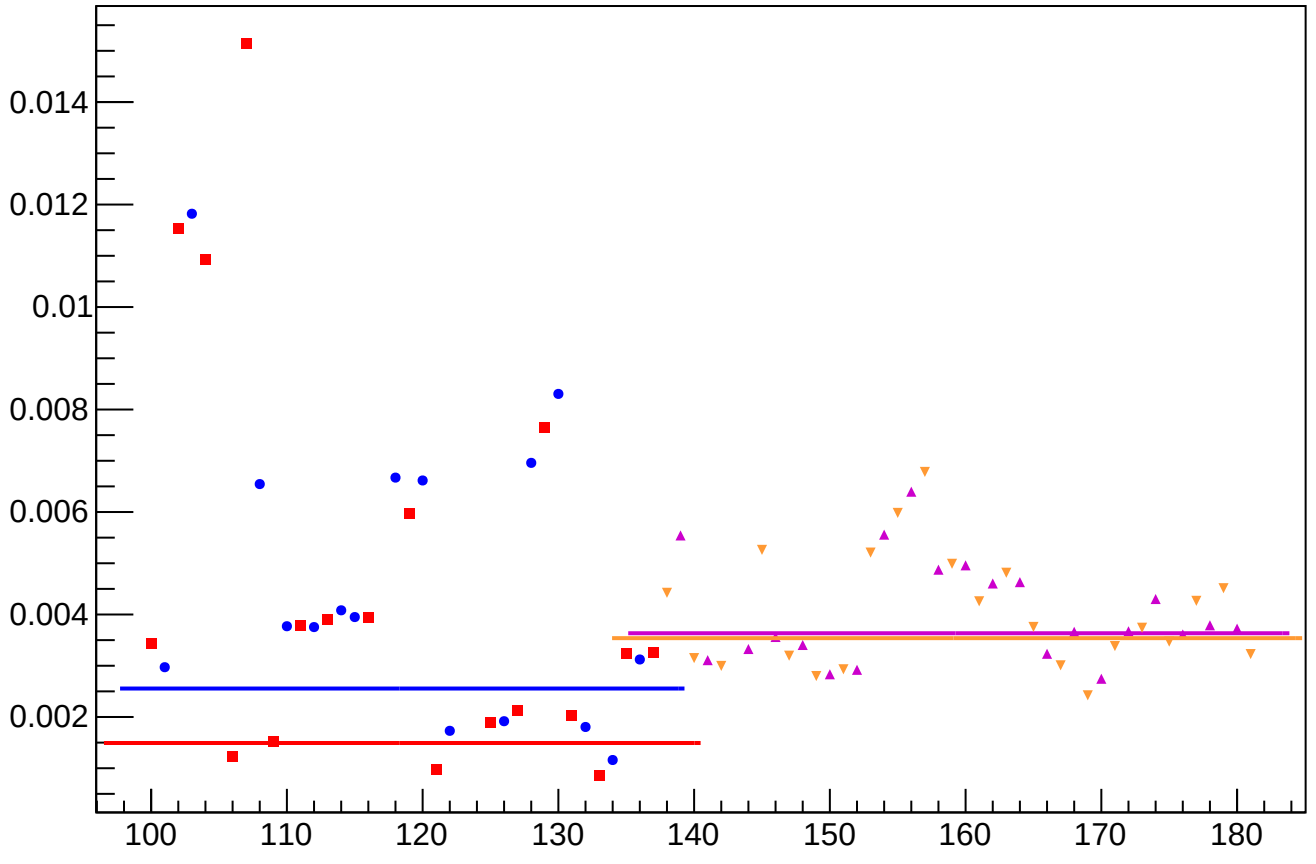
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/17

Left In: -0.000+/-0.000 χ^2/NDF:9.0/20

+ sign 0.000+/-0.000 χ^2/NDF: 55.9/37

All: 0.000+/-0.000 χ^2/NDF: 85.6/76

- sign 0.000+/-0.000 χ^2/NDF: 29.4/38



Right In: 0.003+/-0.000 χ^2/NDF: 3782362.0/15

Left Out: 0.004+/-0.000 χ^2/NDF:2147719.1/21

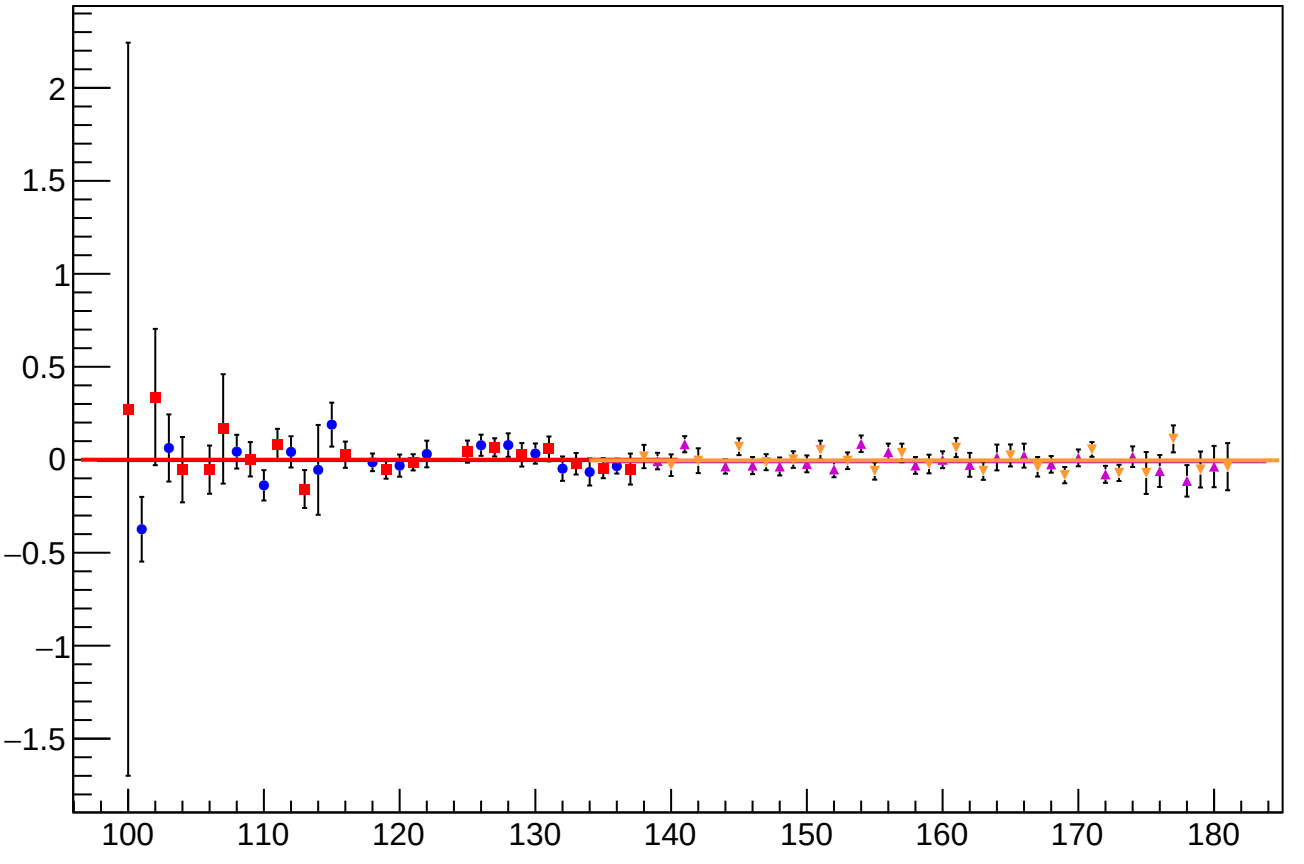
Right Out: 0.001+/-0.000 χ^2/NDF: 5561830.1/17

Left In: 0.004+/-0.000 χ^2/NDF:1609356.0/20

+ sign 0.003+/-0.000 χ^2/NDF: 6861541.4/37

All: 0.003+/-0.000 χ^2/NDF: 22248128.5/76

- sign 0.002+/-0.000 χ^2/NDF: 13802105.6/38



Right In: -0.002+/-0.017 χ^2/NDF: 17.1/15

Left Out: -0.003+/-0.011 χ^2/NDF:21.4/21

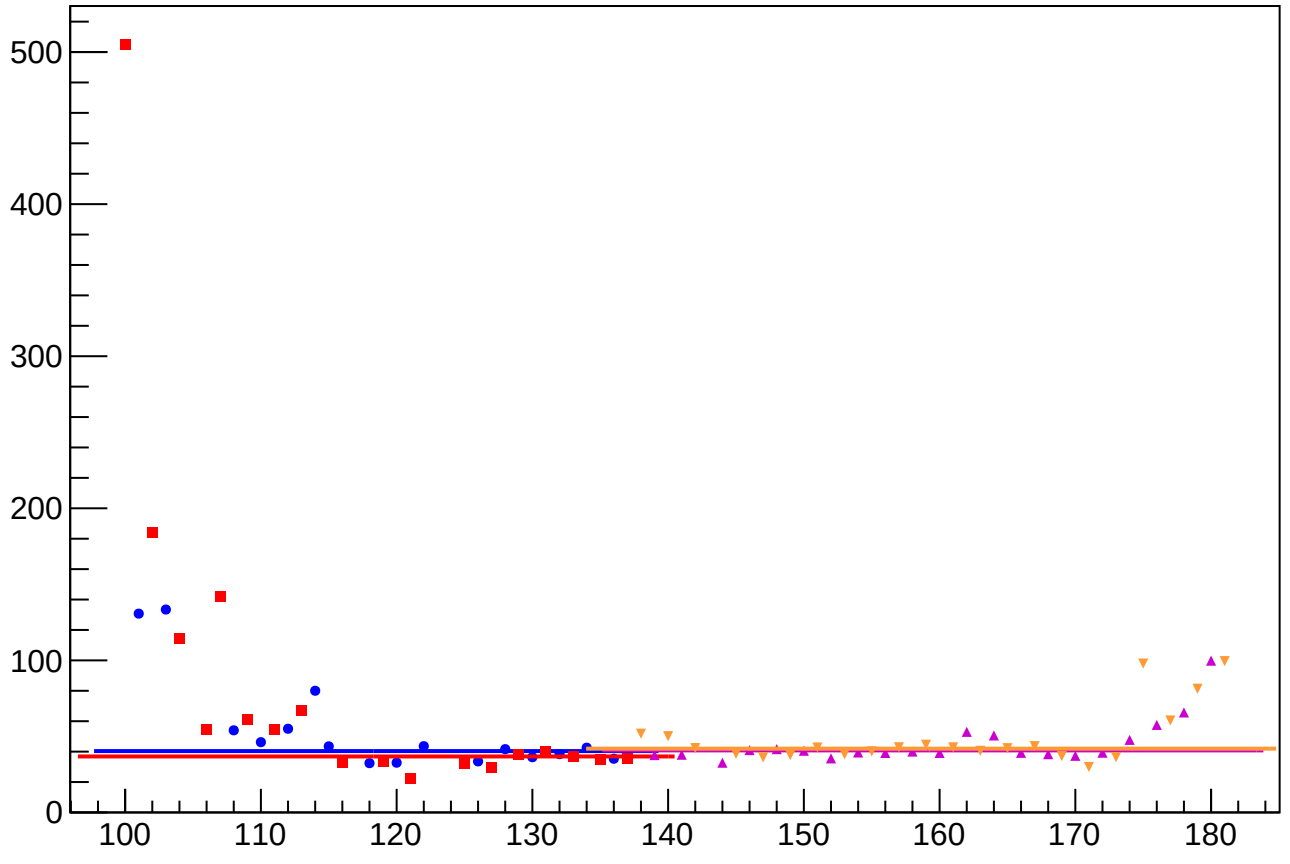
Right Out: 0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: -0.008+/-0.011 χ^2/NDF:17.9/20

+ sign -0.003+/-0.009 χ^2/NDF: 38.6/37

All: -0.004+/-0.007 χ^2/NDF: 67.6/76

- sign -0.006+/-0.009 χ^2/NDF: 29.0/38



Right In: 40.352+/-0.012 χ^2/NDF: 1410036.7/15

Left Out: 41.947+/-0.008 χ^2/NDF:1789663.0/21

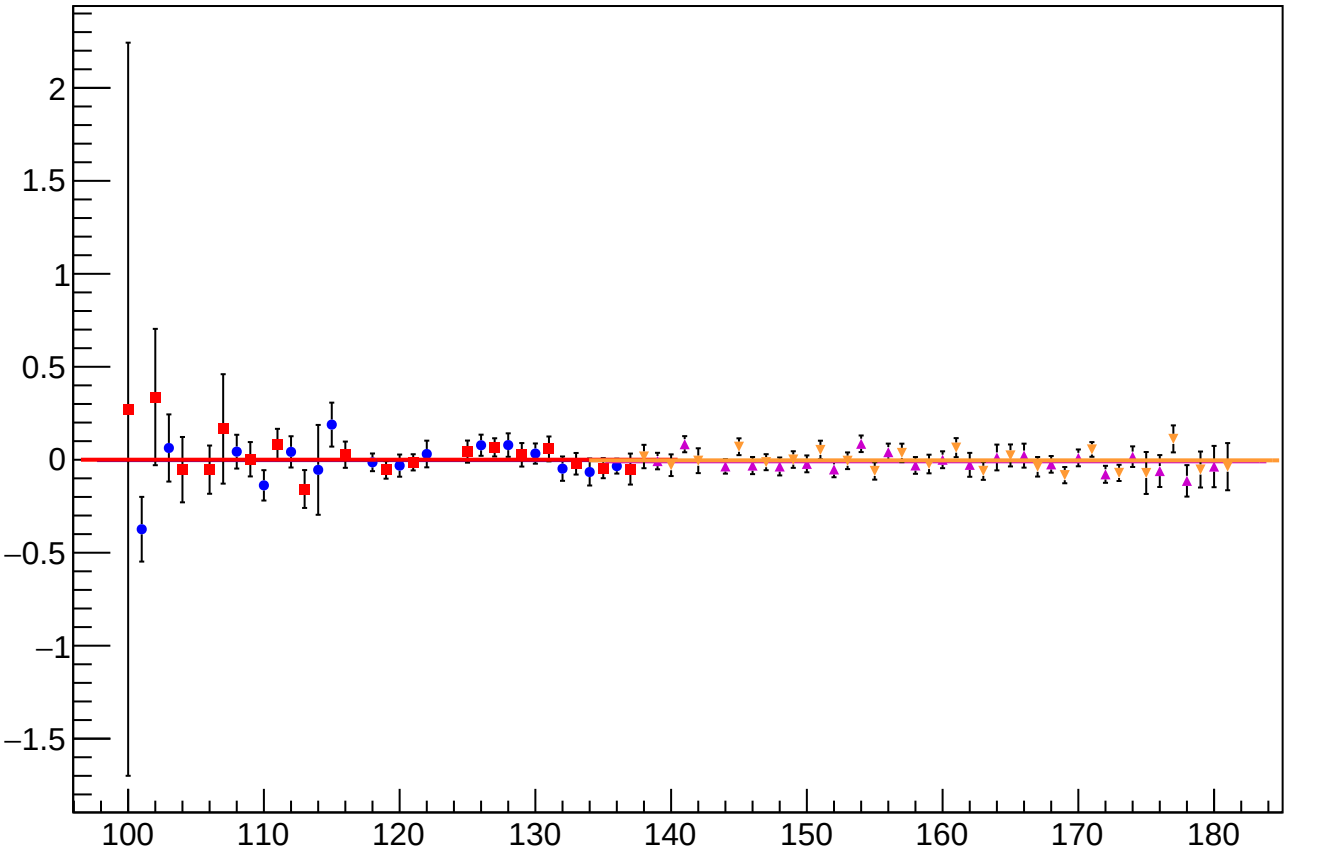
Right Out: 36.824+/-0.012 χ^2/NDF: 1837118.8/17

Left In: 40.811+/-0.008 χ^2/NDF:1124069.6/20

+ sign 41.471+/-0.007 χ^2/NDF: 3211932.6/37

All: 40.522+/-0.005 χ^2/NDF: 6293662.7/76

- sign 39.619+/-0.006 χ^2/NDF: 3041434.0/38



Right In: -0.002+/-0.017 χ^2/NDF: 17.1/15

Left Out: -0.003+/-0.011 χ^2/NDF:21.4/21

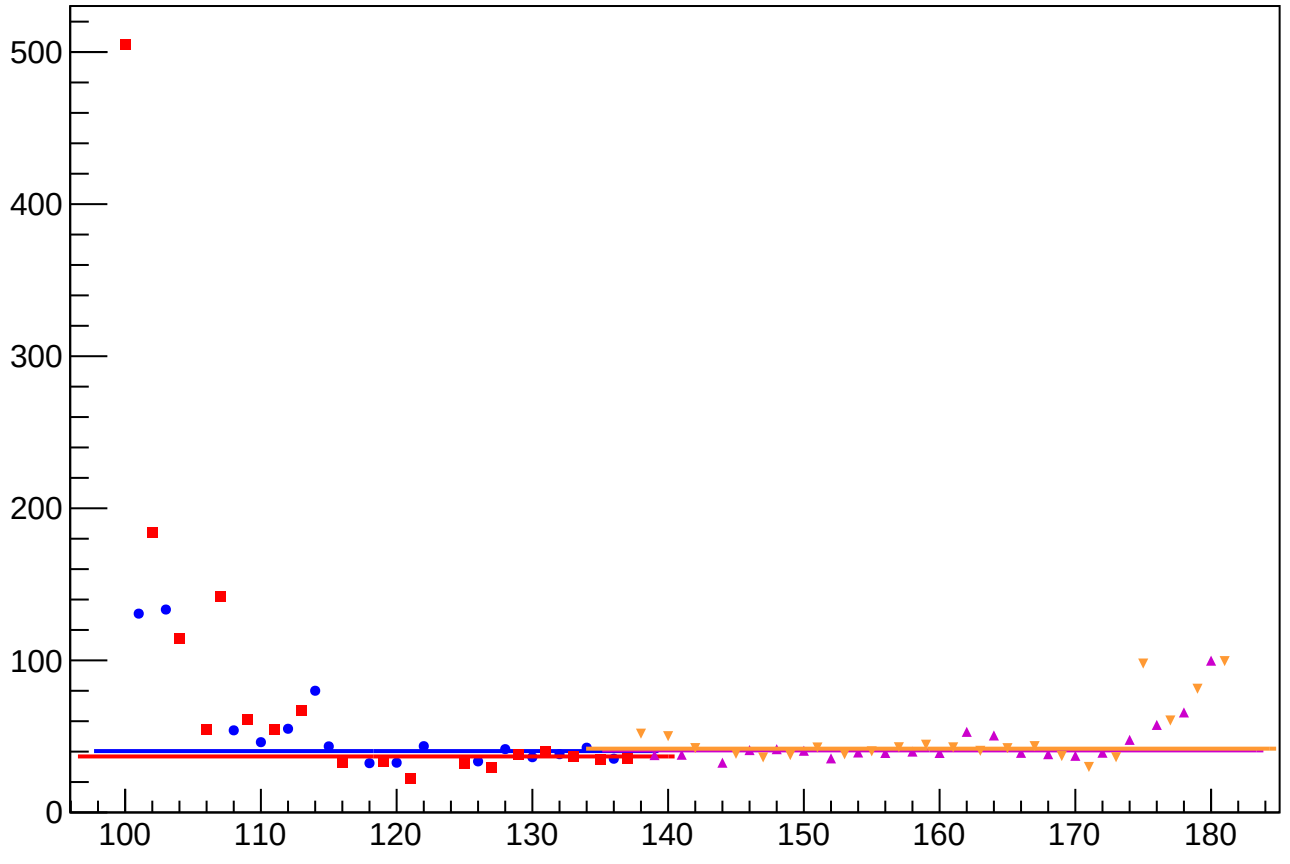
Right Out: 0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: -0.008+/-0.011 χ^2/NDF:17.9/20

+ sign -0.003+/-0.009 χ^2/NDF: 38.6/37

All: -0.004+/-0.007 χ^2/NDF: 67.6/76

- sign -0.006+/-0.009 χ^2/NDF: 29.0/38



Right In: 40.352+/-0.012 χ^2/NDF: 1410036.7/15

Left Out: 41.947+/-0.008 χ^2/NDF:1789663.0/21

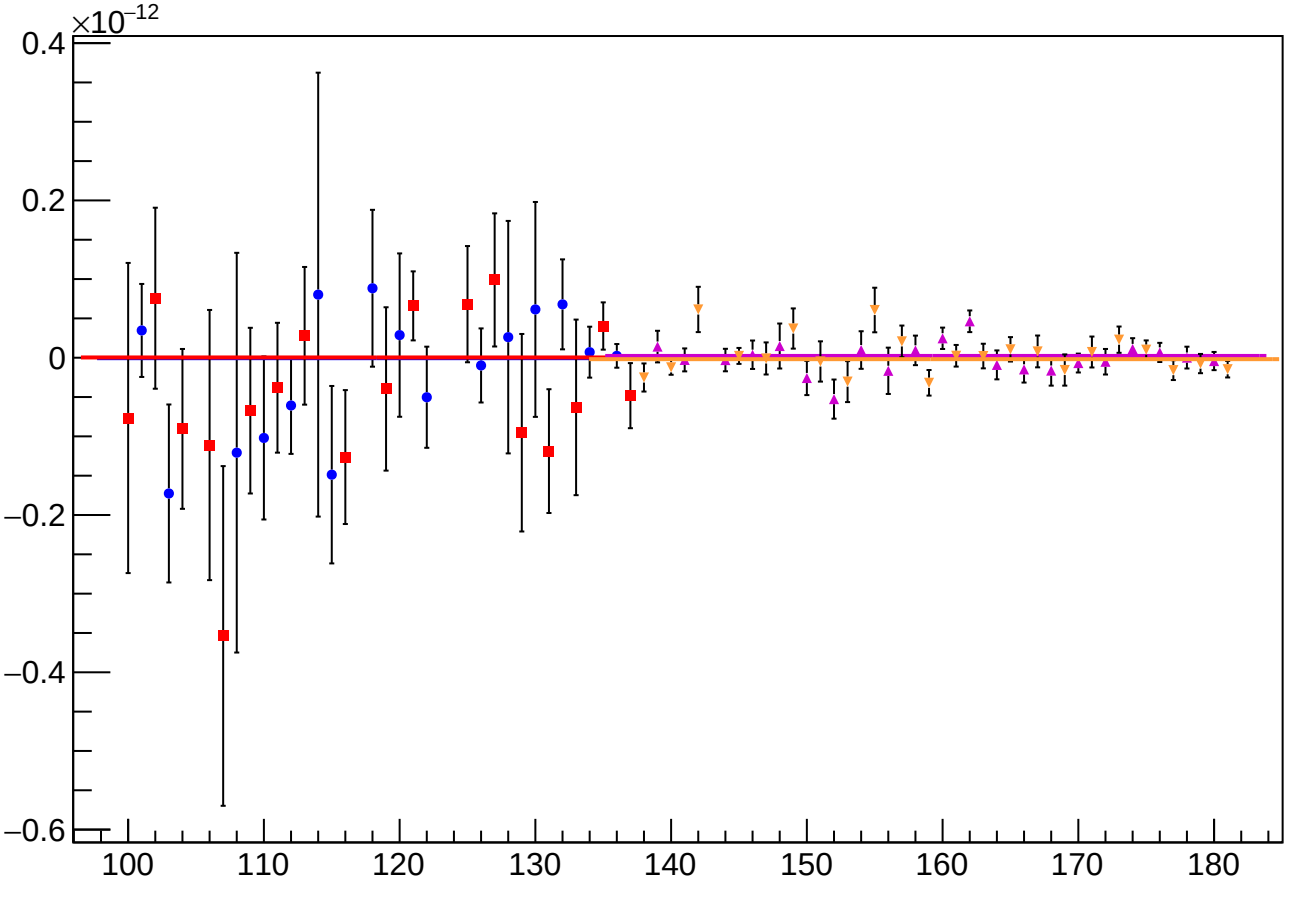
Right Out: 36.824+/-0.012 χ^2/NDF: 1837118.8/17

Left In: 40.811+/-0.008 χ^2/NDF:1124069.6/20

+ sign 41.471+/-0.007 χ^2/NDF: 3211932.6/37

All: 40.522+/-0.005 χ^2/NDF: 6293662.7/76

- sign 39.619+/-0.006 χ^2/NDF: 3041434.0/38



Right In: -0.000+/-0.000 χ^2/NDF: 9.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:28.9/21

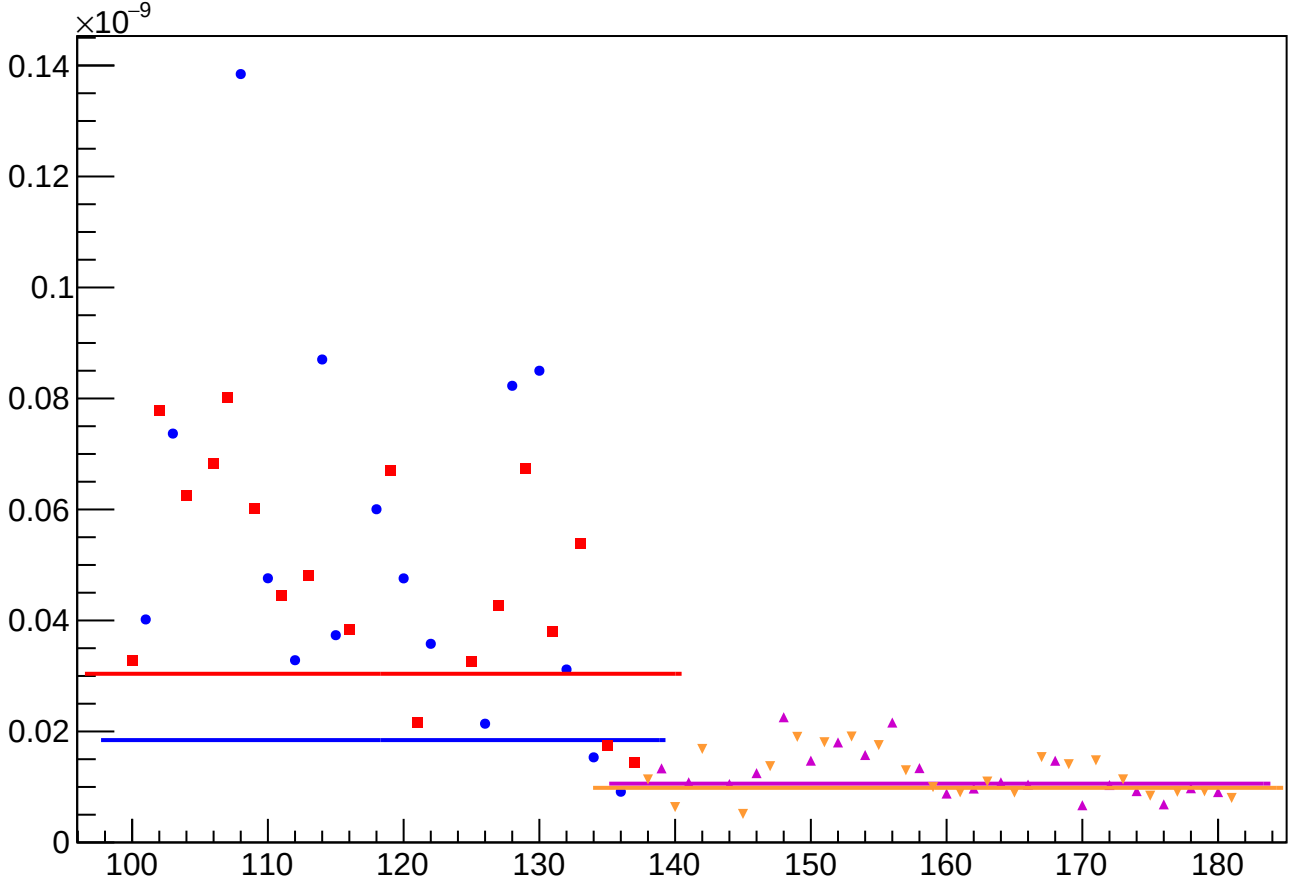
Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/17

Left In: 0.000+/-0.000 χ^2/NDF:25.0/20

+ sign -0.000+/-0.000 χ^2/NDF: 38.8/37

All: 0.000+/-0.000 χ^2/NDF: 82.8/76

- sign 0.000+/-0.000 χ^2/NDF: 43.4/38



Right In: 0.000+/-0.000 χ^2/NDF: 4022915.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:2326127.2/21

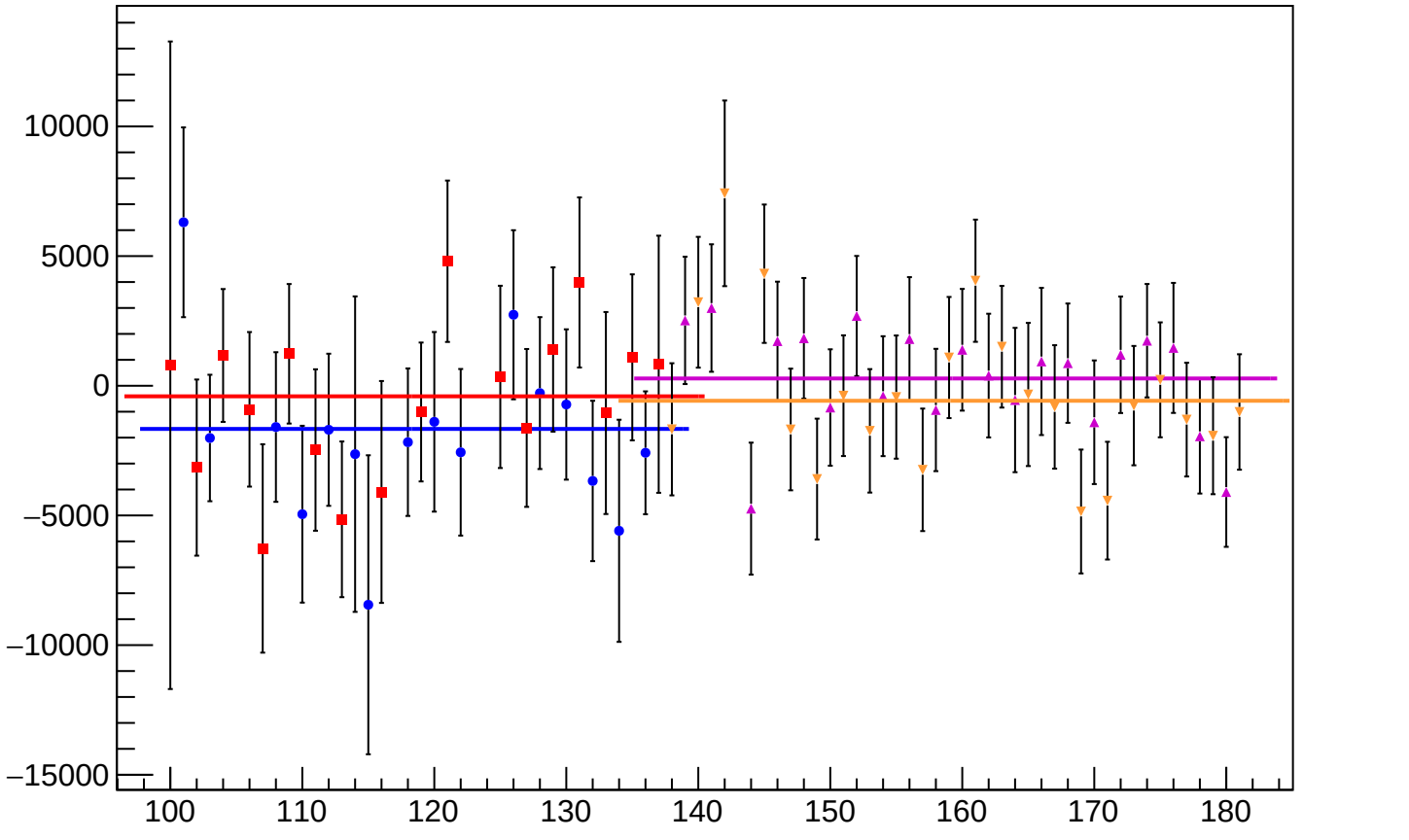
Right Out: 0.000+/-0.000 χ^2/NDF: 2387224.9/17

Left In: 0.000+/-0.000 χ^2/NDF:1674040.0/20

+ sign 0.000+/-0.000 χ^2/NDF: 7374934.2/37

All: 0.000+/-0.000 χ^2/NDF: 14291072.0/76

- sign 0.000+/-0.000 χ^2/NDF: 6828307.6/38



Right In: -1664.305+/-792.164 χ^2/NDF: 10.8/15

Left Out: -578.576+/-510.641 χ^2/NDF:26.1/21

Right Out: -406.847+/-777.158 χ^2/NDF: 12.7/17

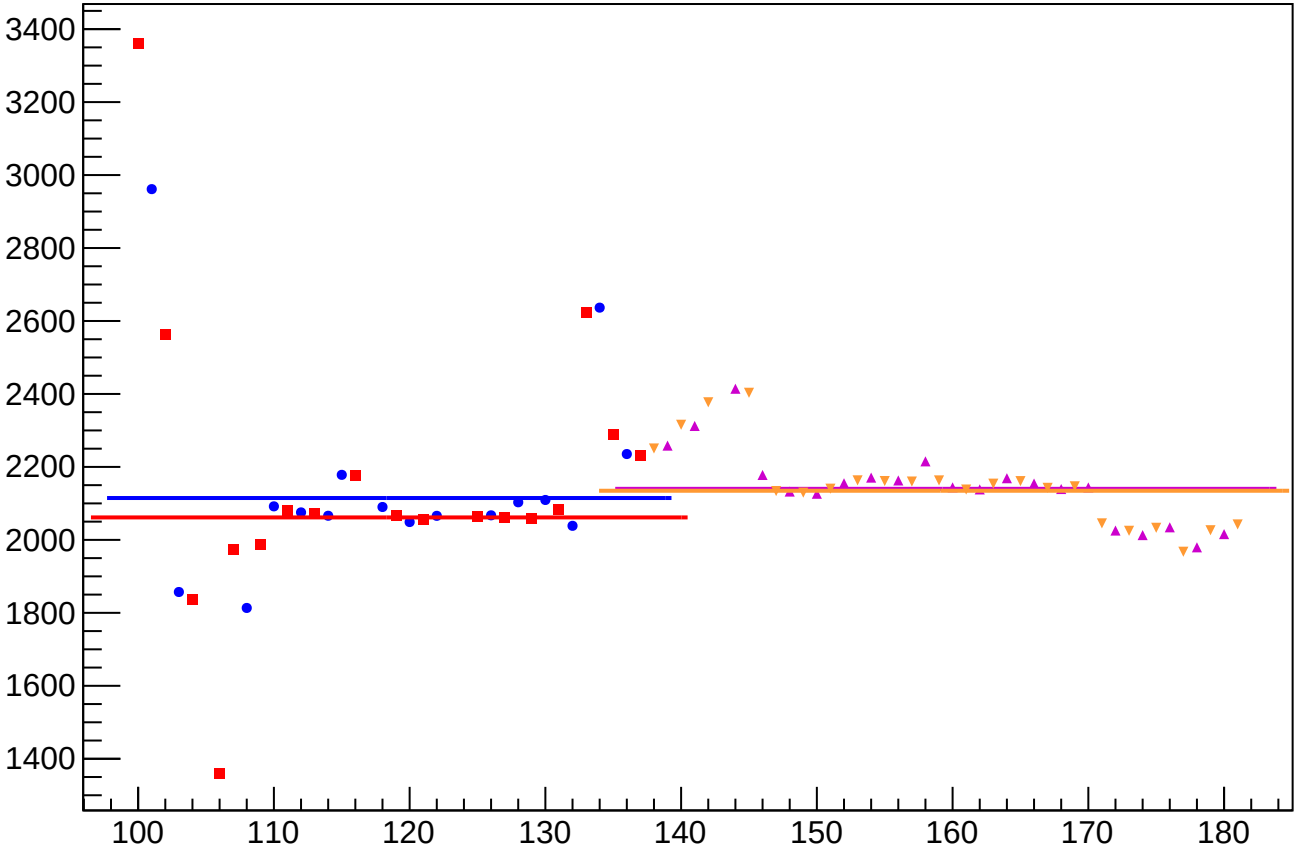
Left In: 281.086+/-515.735 χ^2/NDF:15.9/20

+ sign -897.292+/-429.197 χ^2/NDF: 38.3/37

All: -413.860+/-303.673 χ^2/NDF: 70.0/76

- sign 70.755+/-429.722 χ^2/NDF: 29.2/38

reg_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2114.755+/-0.560 χ^2/NDF: 189920.6/15

Left Out: 2134.668+/-0.361 χ^2/NDF:76883.9/21

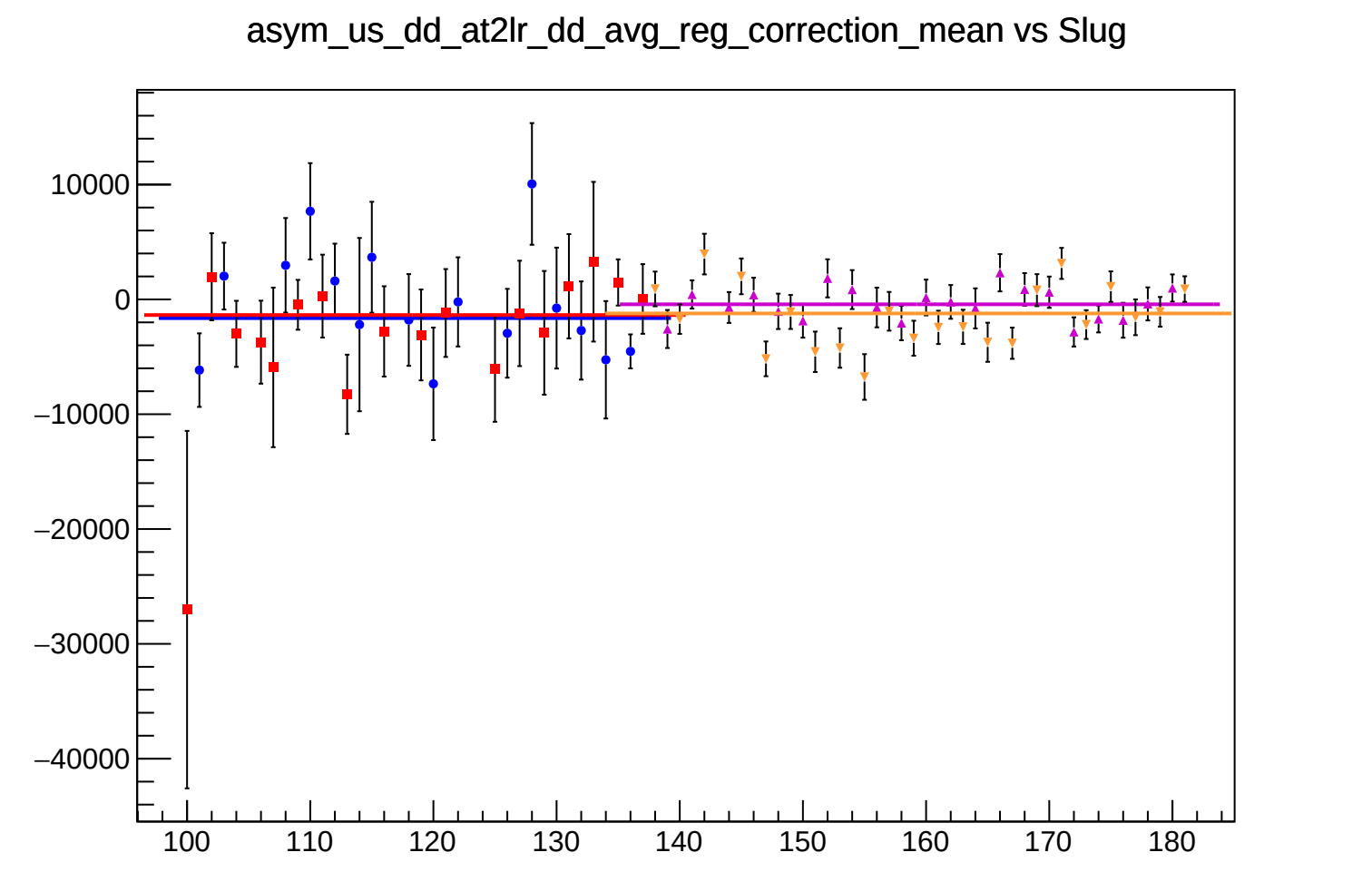
Right Out: 2061.560+/-0.550 χ^2/NDF: 249186.6/17

Left In: 2139.930+/-0.365 χ^2/NDF:74218.8/20

+ sign 2128.823+/-0.303 χ^2/NDF: 267697.3/37

All: 2122.404+/-0.215 χ^2/NDF: 606118.6/76

- sign 2115.969+/-0.304 χ^2/NDF: 337525.5/38



Right In: -1630.474+/-862.417 χ^2/NDF: 22.9/15

Left Out: -1222.401+/-312.318 χ^2/NDF:65.2/21

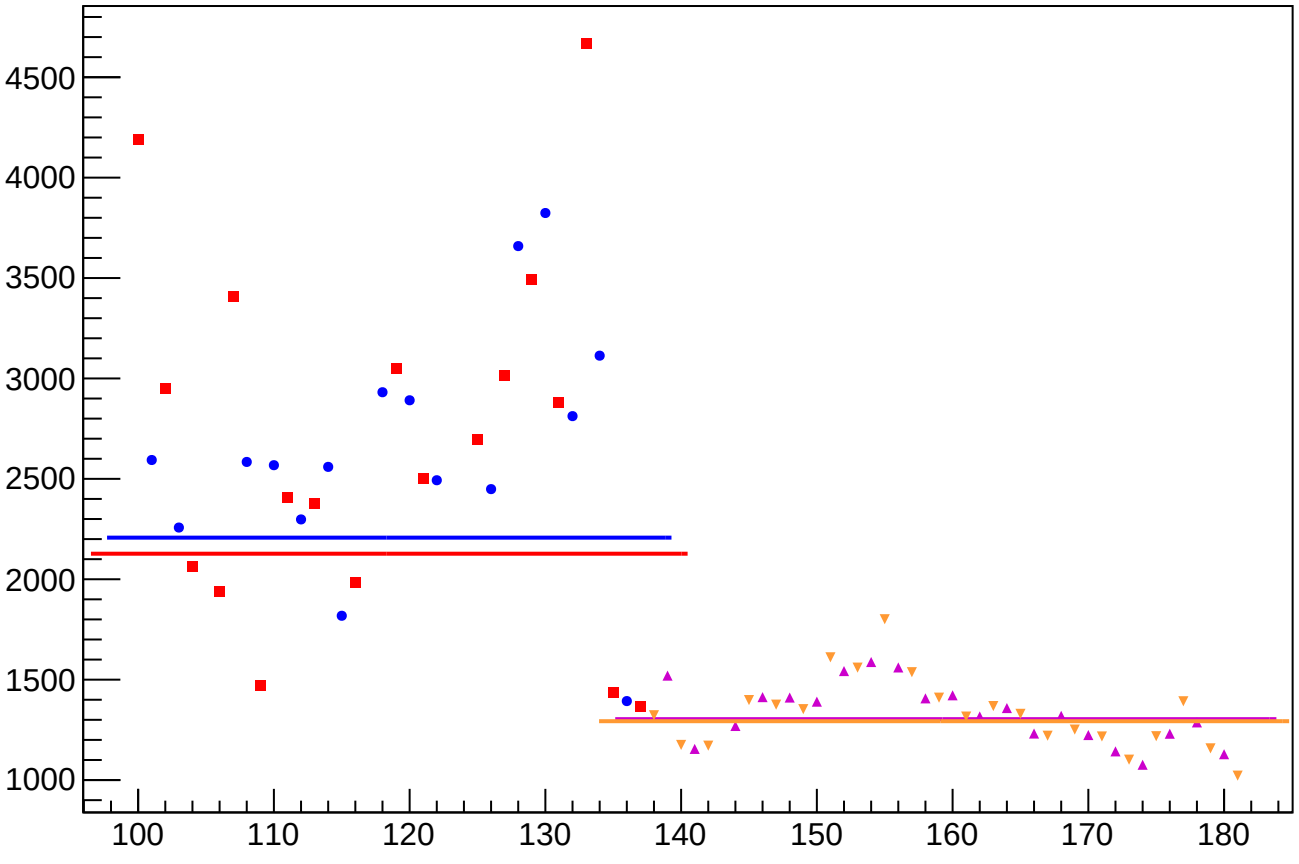
Right Out: -1361.841+/-840.417 χ^2/NDF: 13.5/17

Left In: -426.958+/-316.371 χ^2/NDF:18.8/20

+ sign -1269.714+/-293.655 χ^2/NDF: 88.3/37

All: -909.351+/-208.500 χ^2/NDF: 124.7/76

- sign -542.997+/-296.086 χ^2/NDF: 33.4/38



Right In: 2207.254+/-0.610 χ^2/NDF: 1249266.5/15

Left Out: 1293.142+/-0.221 χ^2/NDF:564606.2/21

Right Out: 2127.224+/-0.594 χ^2/NDF: 1458046.9/17

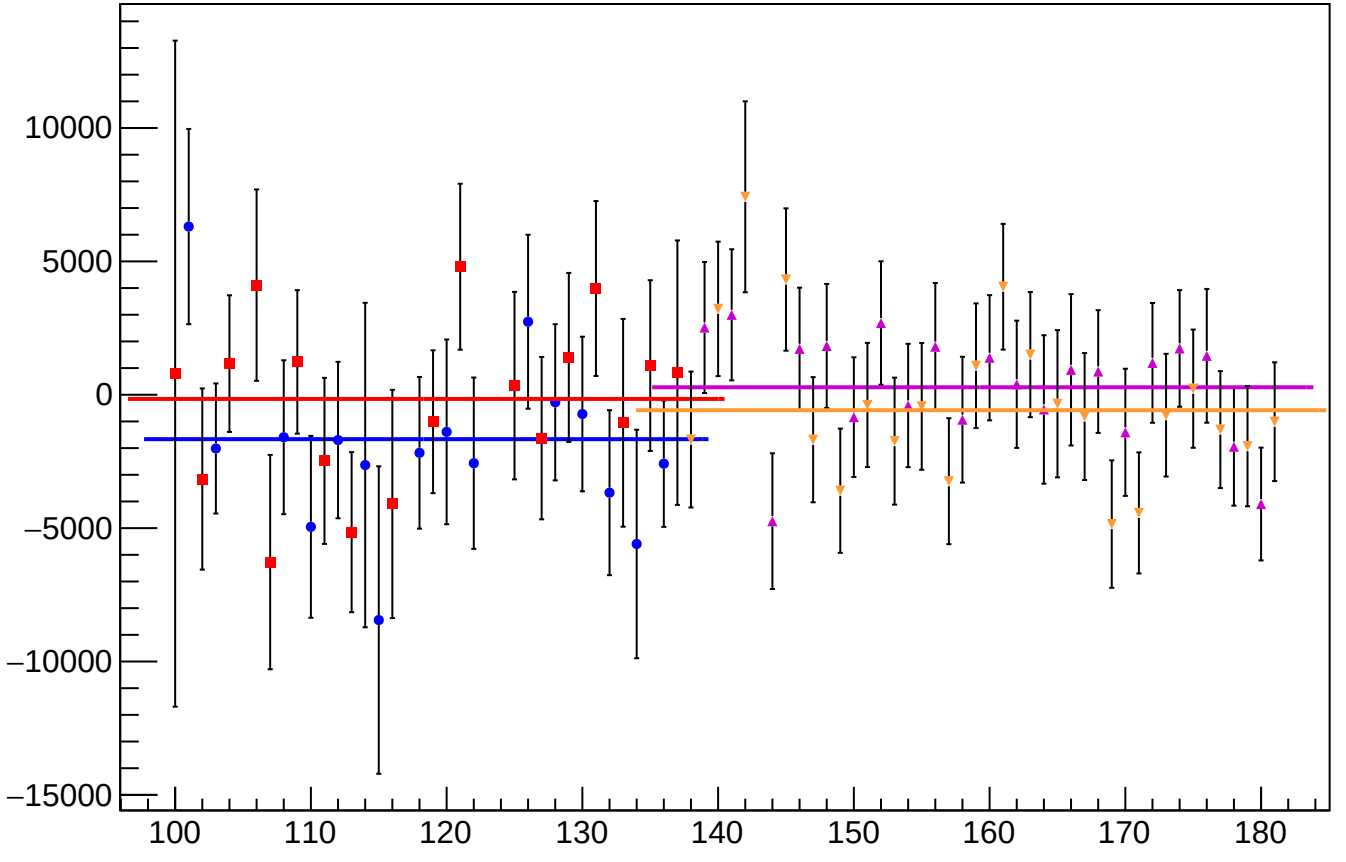
Left In: 1303.356+/-0.224 χ^2/NDF:423714.6/20

+ sign 1399.126+/-0.208 χ^2/NDF: 3800311.6/37

All: 1402.344+/-0.147 χ^2/NDF: 7366002.5/76

- sign 1405.616+/-0.209 χ^2/NDF: 3565206.5/38

cor_asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: -1664.231+/-792.164 χ^2/NDF: 10.8/15

Left Out: -578.432+/-510.641 χ^2/NDF:26.1/21

Right Out: -155.775+/-785.481 χ^2/NDF: 14.2/17

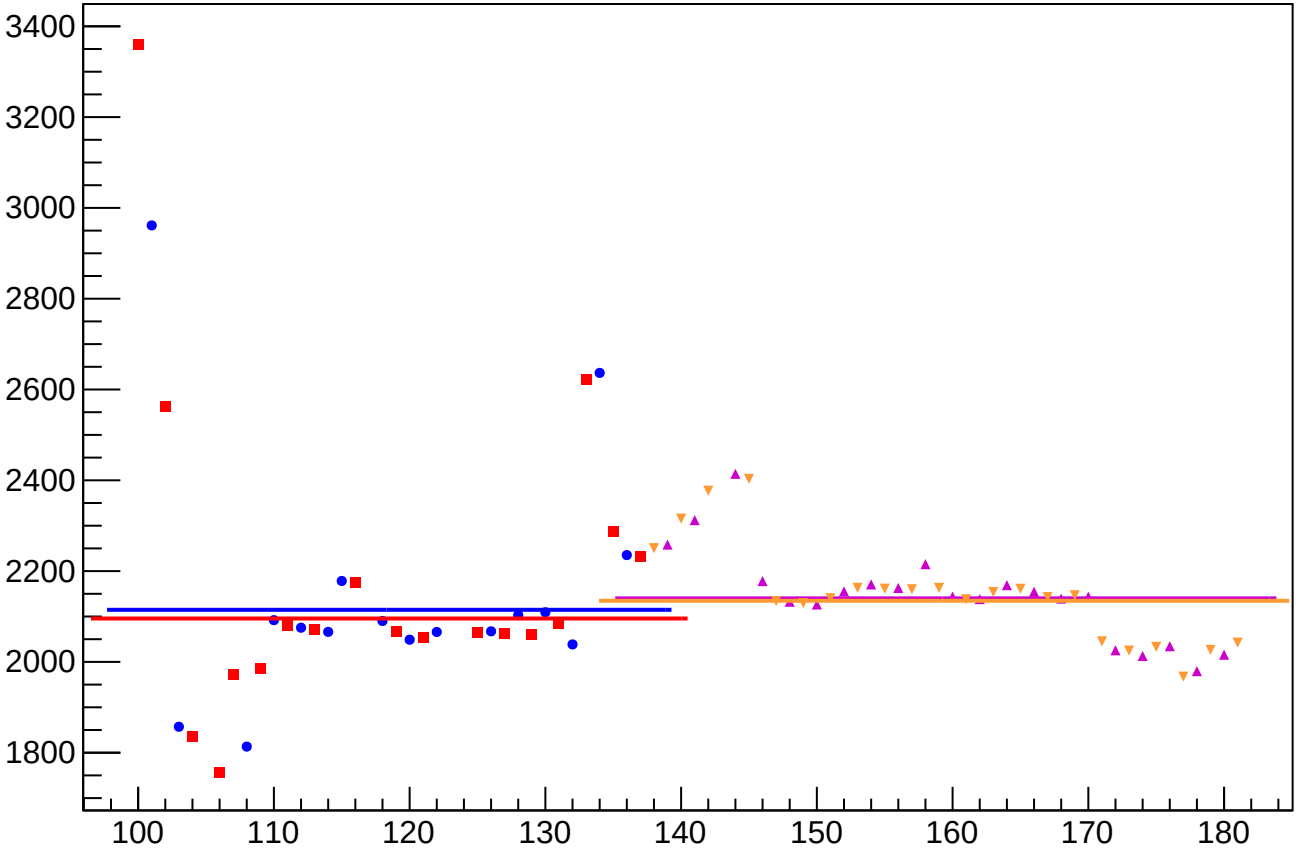
Left In: 281.020+/-515.735 χ^2/NDF:15.9/20

+ sign -897.169+/-429.197 χ^2/NDF: 38.3/37

All: -376.196+/-304.163 χ^2/NDF: 71.6/76

- sign 149.440+/-431.113 χ^2/NDF: 30.4/38

cor_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2114.755+/-0.560 χ^2/NDF: 189920.9/15

Left Out: 2134.668+/-0.361 χ^2/NDF:76883.9/21

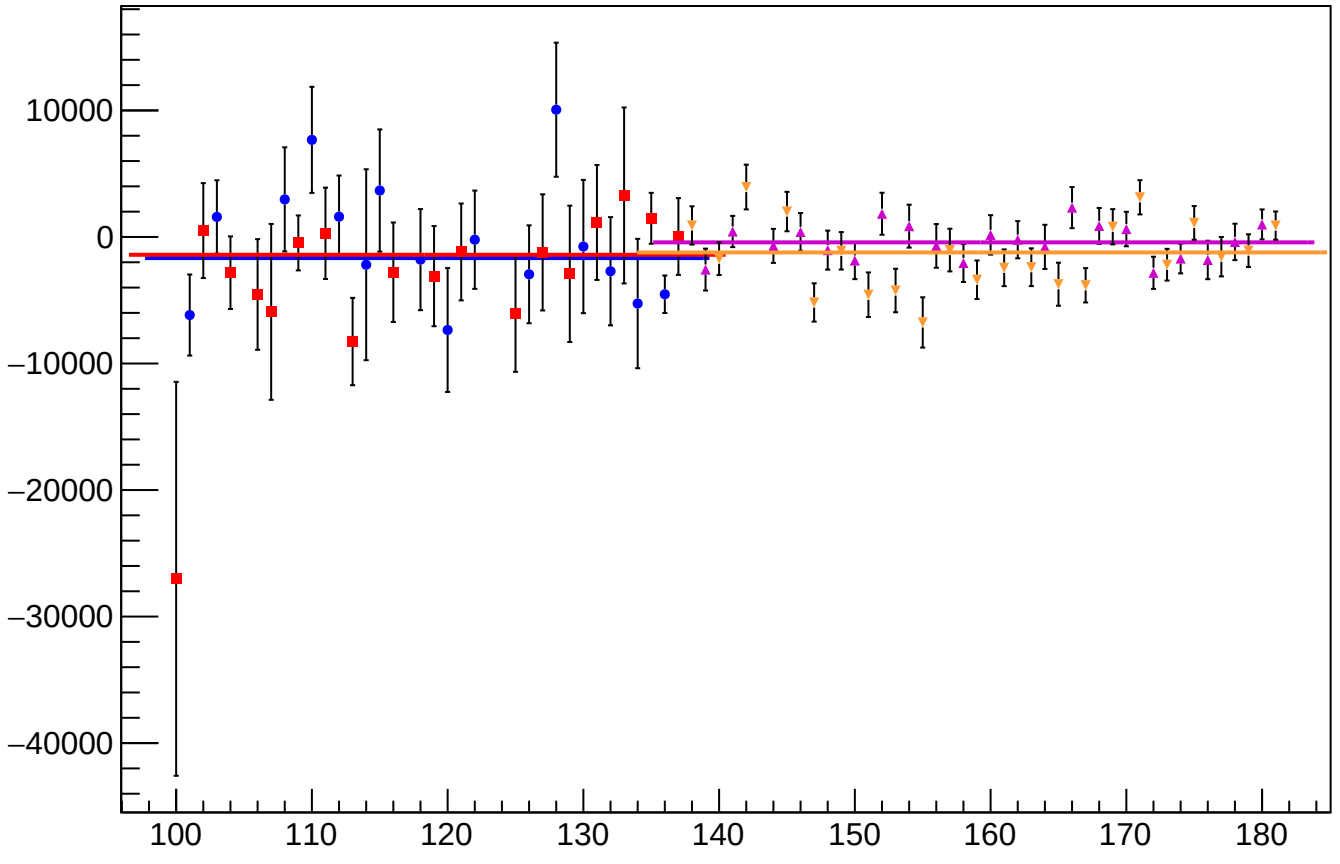
Right Out: 2095.597+/-0.555 χ^2/NDF: 149360.5/17

Left In: 2139.930+/-0.365 χ^2/NDF:74218.8/20

+ sign 2128.823+/-0.303 χ^2/NDF: 267697.6/37

All: 2127.704+/-0.215 χ^2/NDF: 495756.2/76

- sign 2126.575+/-0.305 χ^2/NDF: 228031.3/38



Right In: -1668.482+/-862.126 χ^2/NDF: 22.5/15

Left Out: -1222.366+/-312.320 χ^2/NDF:65.3/21

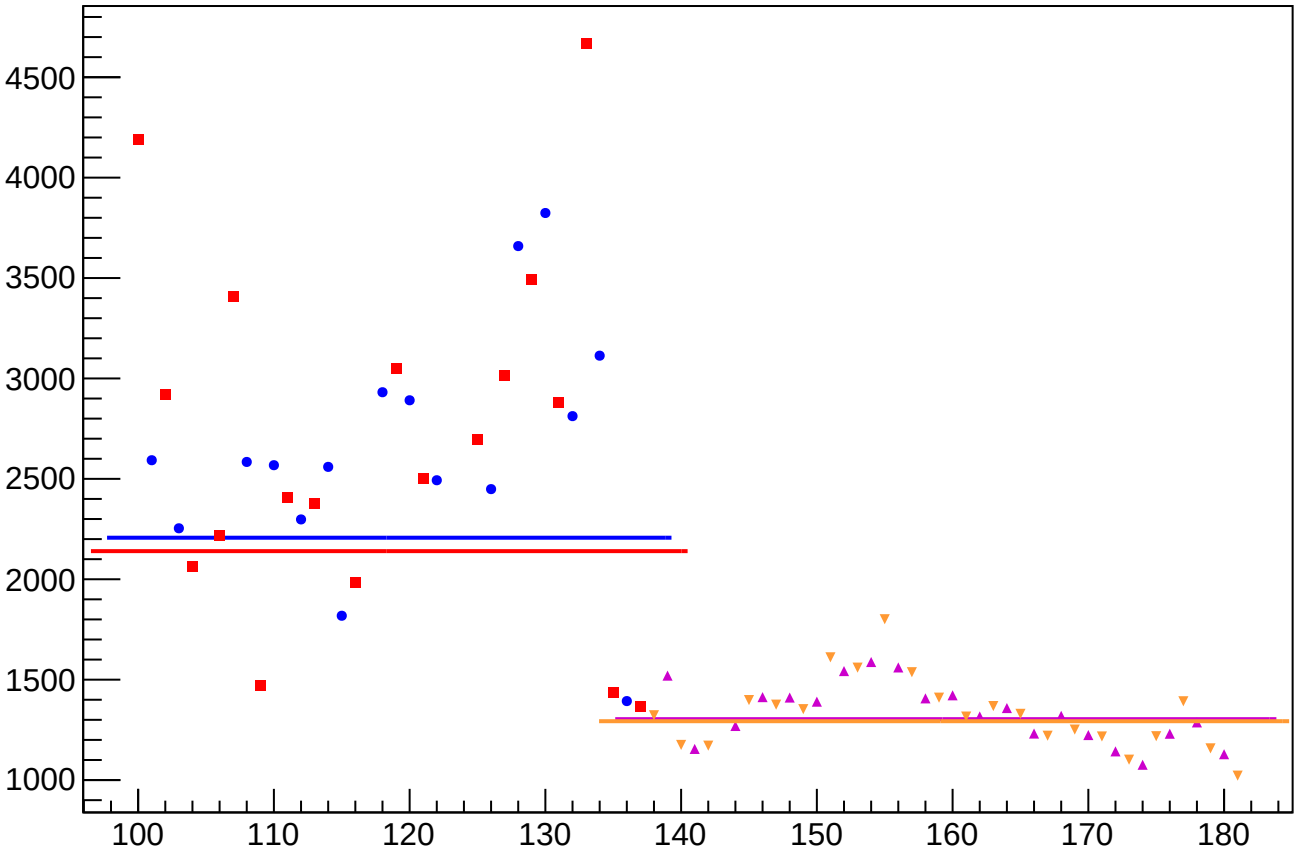
Right Out: -1407.975+/-847.068 χ^2/NDF: 13.0/17

Left In: -426.850+/-316.372 χ^2/NDF:18.8/20

+ sign -1274.121+/-293.645 χ^2/NDF: 88.0/37

All: -913.903+/-208.597 χ^2/NDF: 124.0/76

- sign -546.957+/-296.375 χ^2/NDF: 33.0/38



Right In: 2206.918+/-0.610 χ^2/NDF: 1249024.4/15

Left Out: 1293.151+/-0.221 χ^2/NDF:564542.3/21

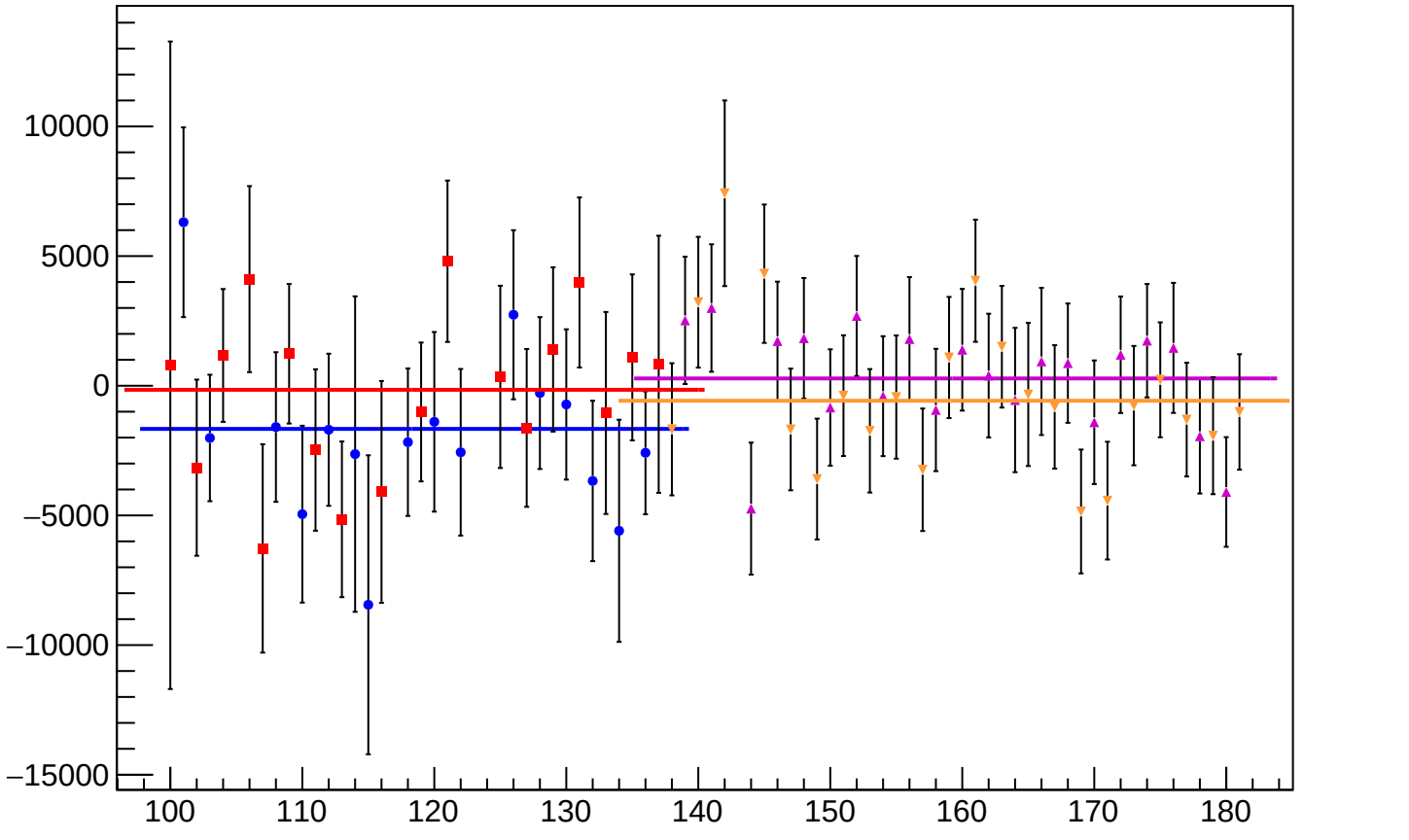
Right Out: 2140.060+/-0.599 χ^2/NDF: 1448366.8/17

Left In: 1303.359+/-0.224 χ^2/NDF:423726.8/20

+ sign 1399.159+/-0.208 χ^2/NDF: 3799688.2/37

All: 1402.442+/-0.148 χ^2/NDF: 7384747.9/76

- sign 1405.787+/-0.210 χ^2/NDF: 3584555.1/38



Right In: -1664.231+/-792.164 χ^2/NDF: 10.8/15

Left Out: -578.432+/-510.641 χ^2/NDF:26.1/21

Right Out: -155.775+/-785.481 χ^2/NDF: 14.2/17

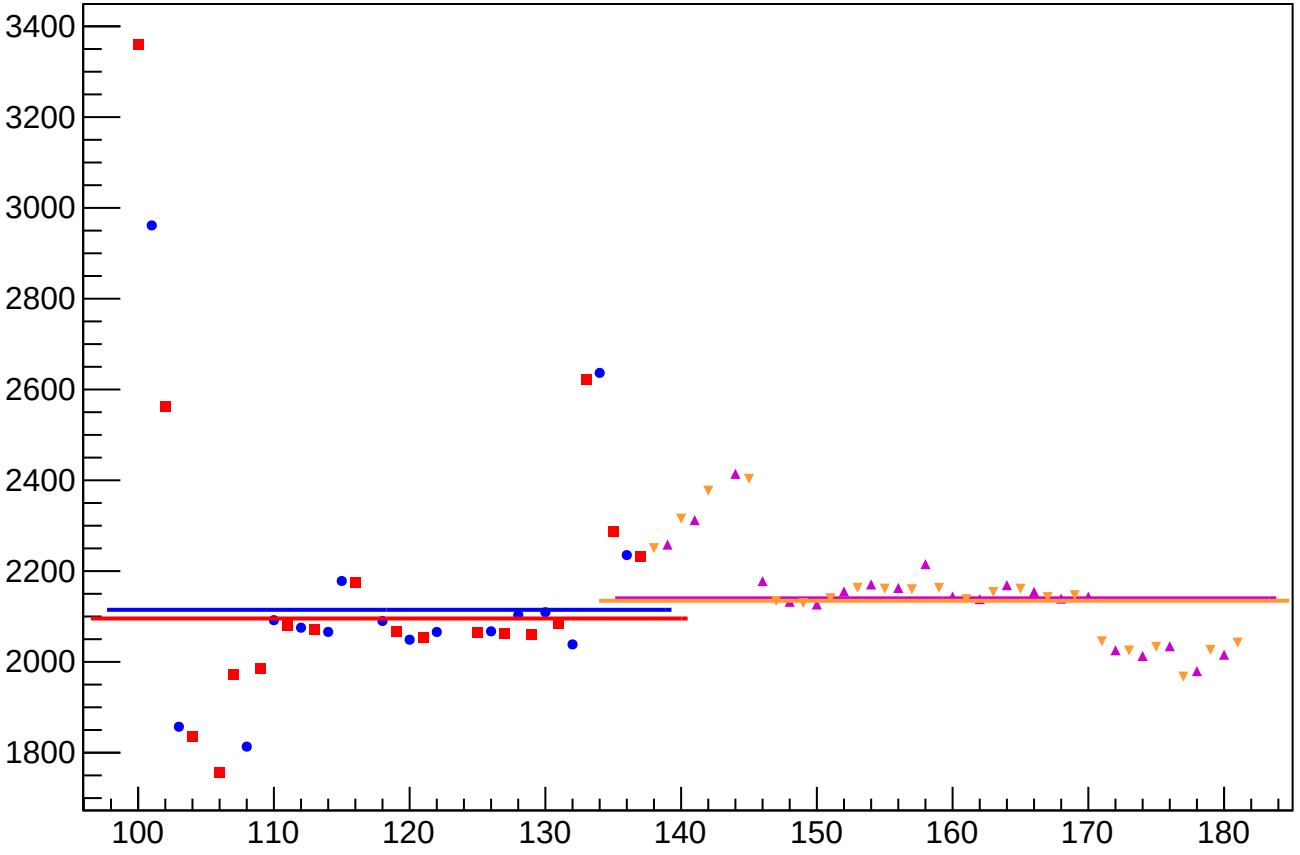
Left In: 281.020+/-515.735 χ^2/NDF:15.9/20

+ sign -897.169+/-429.197 χ^2/NDF: 38.3/37

All: -376.196+/-304.163 χ^2/NDF: 71.6/76

- sign 149.440+/-431.113 χ^2/NDF: 30.4/38

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: 2134.668+/-0.361 χ^2/NDF:76883.9/21

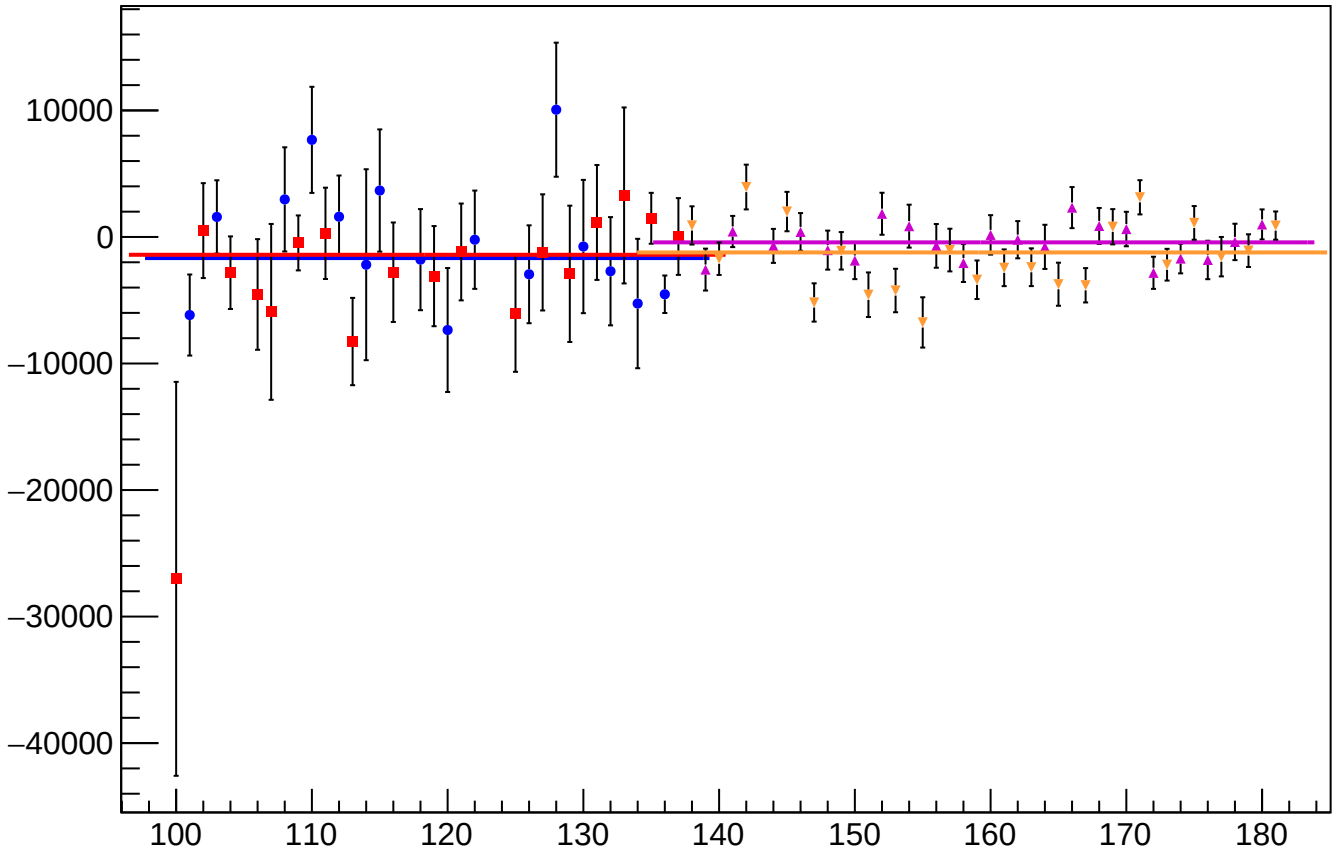
Right Out: 2095.597+/-0.555 χ^2/NDF: 149360.5/17

Left In: 2139.930+/-0.365 χ^2/NDF:74218.8/20

+ sign 2128.823+/-0.303 χ^2/NDF: 267697.6/37

All: 2127.704+/-0.215 χ^2/NDF: 495756.2/76

- sign 2126.575+/-0.305 χ^2/NDF: 228031.3/38



Right In: -1668.482+/-862.126 χ^2/NDF: 22.5/15

Left Out: -1222.366+/-312.320 χ^2/NDF:65.3/21

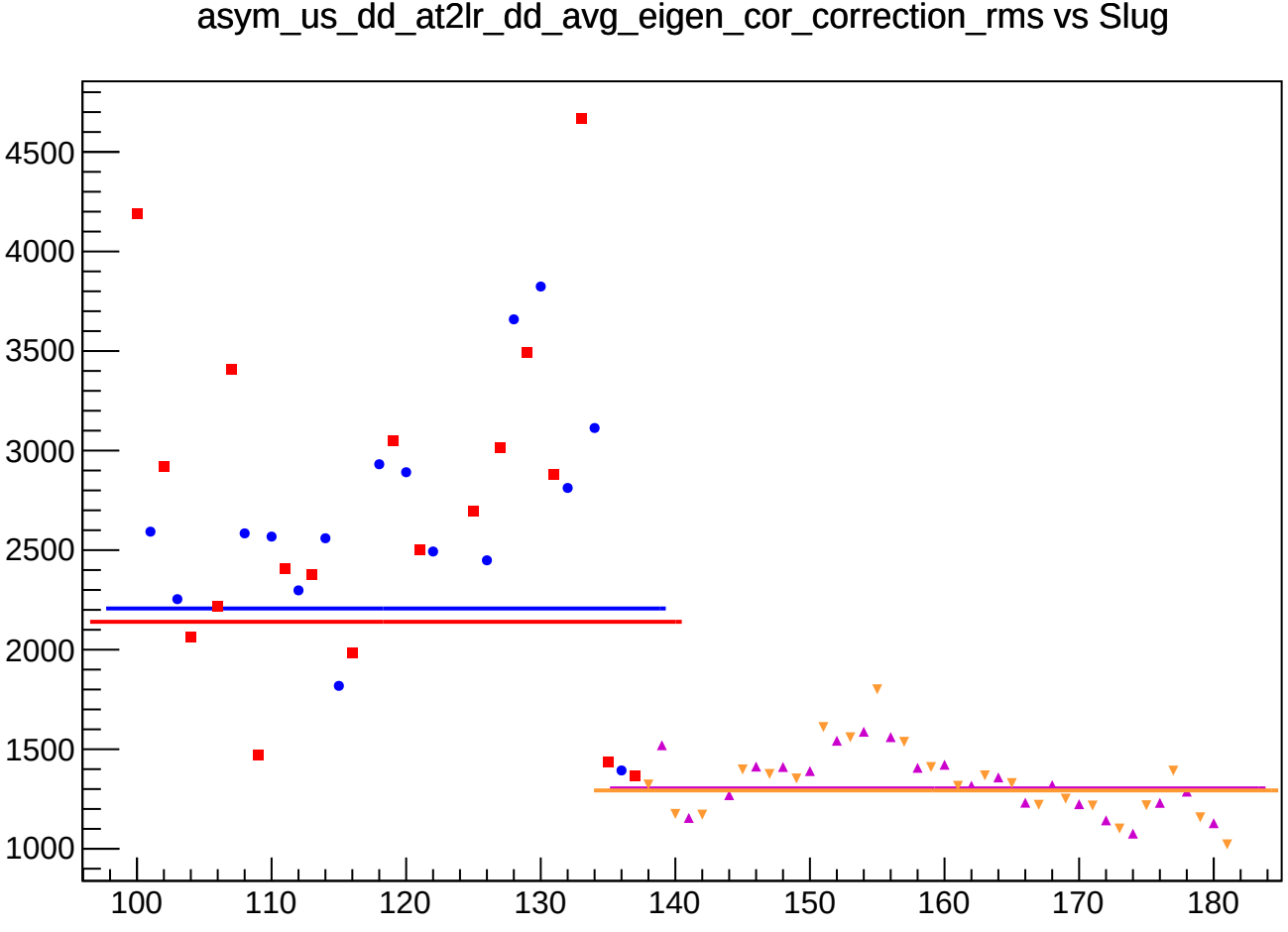
Right Out: -1407.975+/-847.068 χ^2/NDF: 13.0/17

Left In: -426.850+/-316.372 χ^2/NDF:18.8/20

\+ sign -1274.121+/-293.645 χ^2/NDF: 88.0/37

All: -913.903+/-208.597 χ^2/NDF: 124.0/76

\- sign -546.957+/-296.375 χ^2/NDF: 33.0/38



Right In: 2206.918+/-0.610 χ^2/NDF: 1249024.4/15

Left Out: 1293.151+/-0.221 χ^2/NDF:564542.3/21

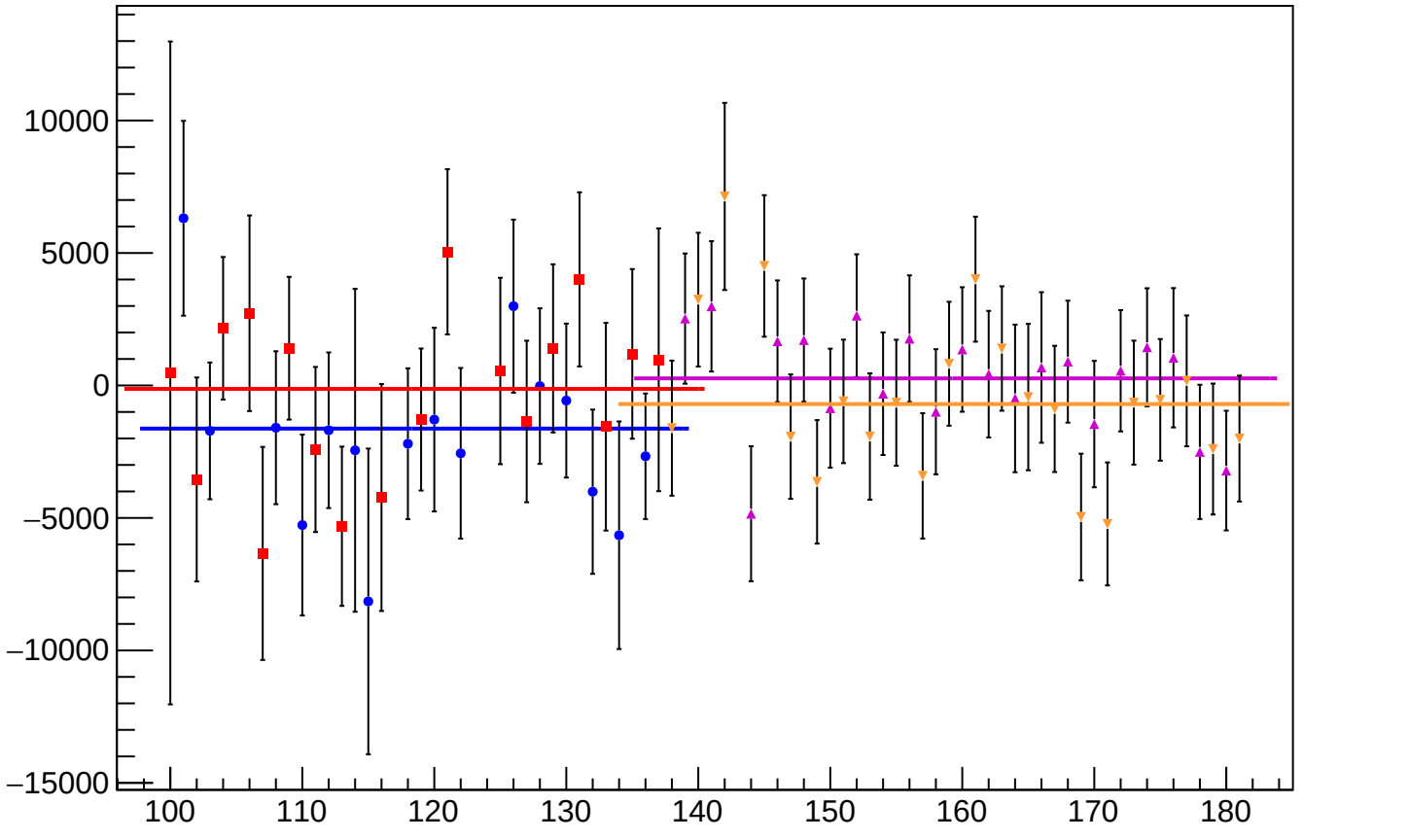
Right Out: 2140.060+/-0.599 χ^2/NDF: 1448366.8/17

Left In: 1303.359+/-0.224 χ^2/NDF:423726.8/20

+ sign 1399.159+/-0.208 χ^2/NDF: 3799688.2/37

All: 1402.442+/-0.148 χ^2/NDF: 7384747.9/76

- sign 1405.787+/-0.210 χ^2/NDF: 3584555.1/38



Right In: -1627.635+/-797.966 χ^2/NDF: 11.3/15

Left Out: -702.171+/-519.805 χ^2/NDF:27.9/21

Right Out: -128.099+/-795.899 χ^2/NDF: 14.6/17

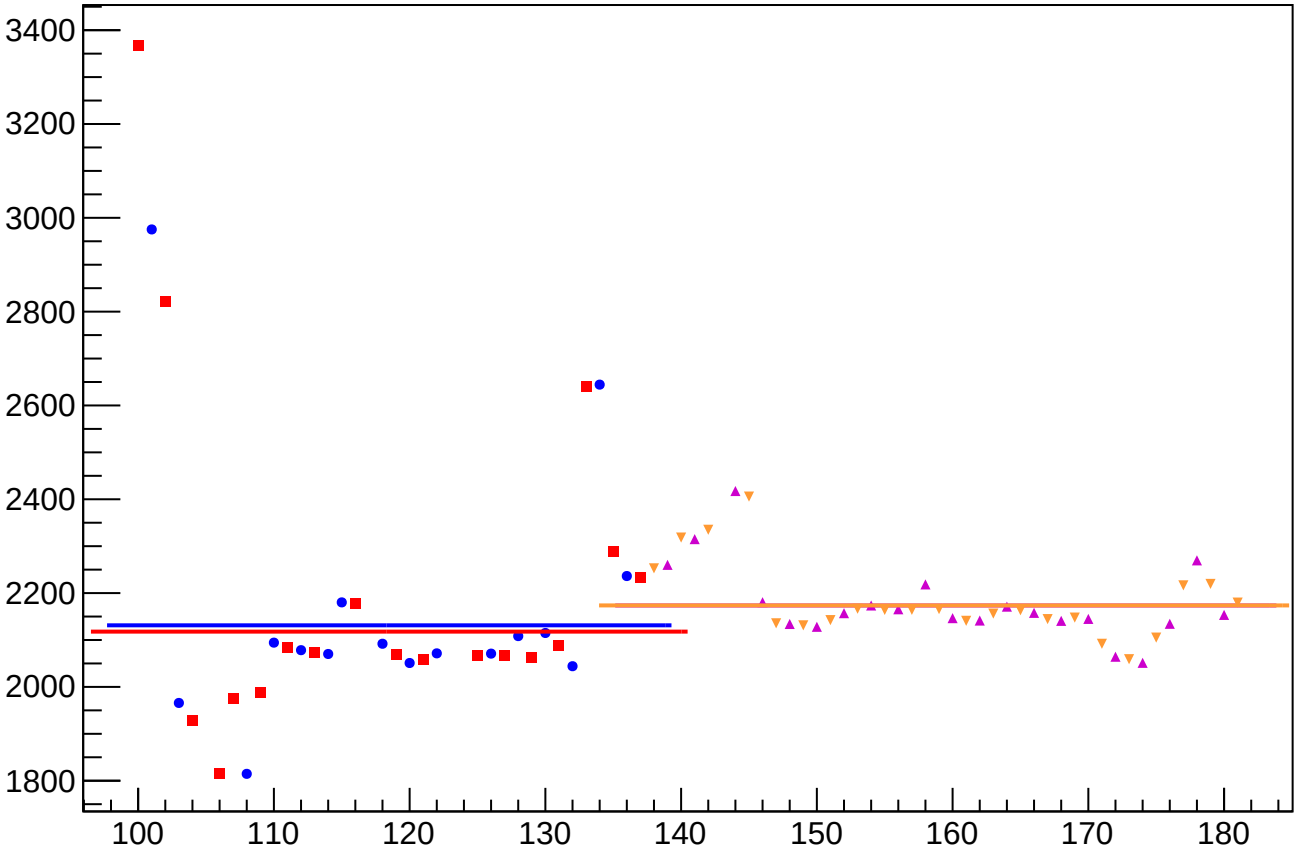
Left In: 267.263+/-523.652 χ^2/NDF:13.7/20

+ sign -977.884+/-435.546 χ^2/NDF: 40.1/37

All: -417.499+/-308.652 χ^2/NDF: 71.9/76

- sign 147.822+/-437.459 χ^2/NDF: 28.5/38

dit_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2131.298+/-0.564 χ^2/NDF: 175943.3/15

Left Out: 2173.733+/-0.368 χ^2/NDF:40846.2/21

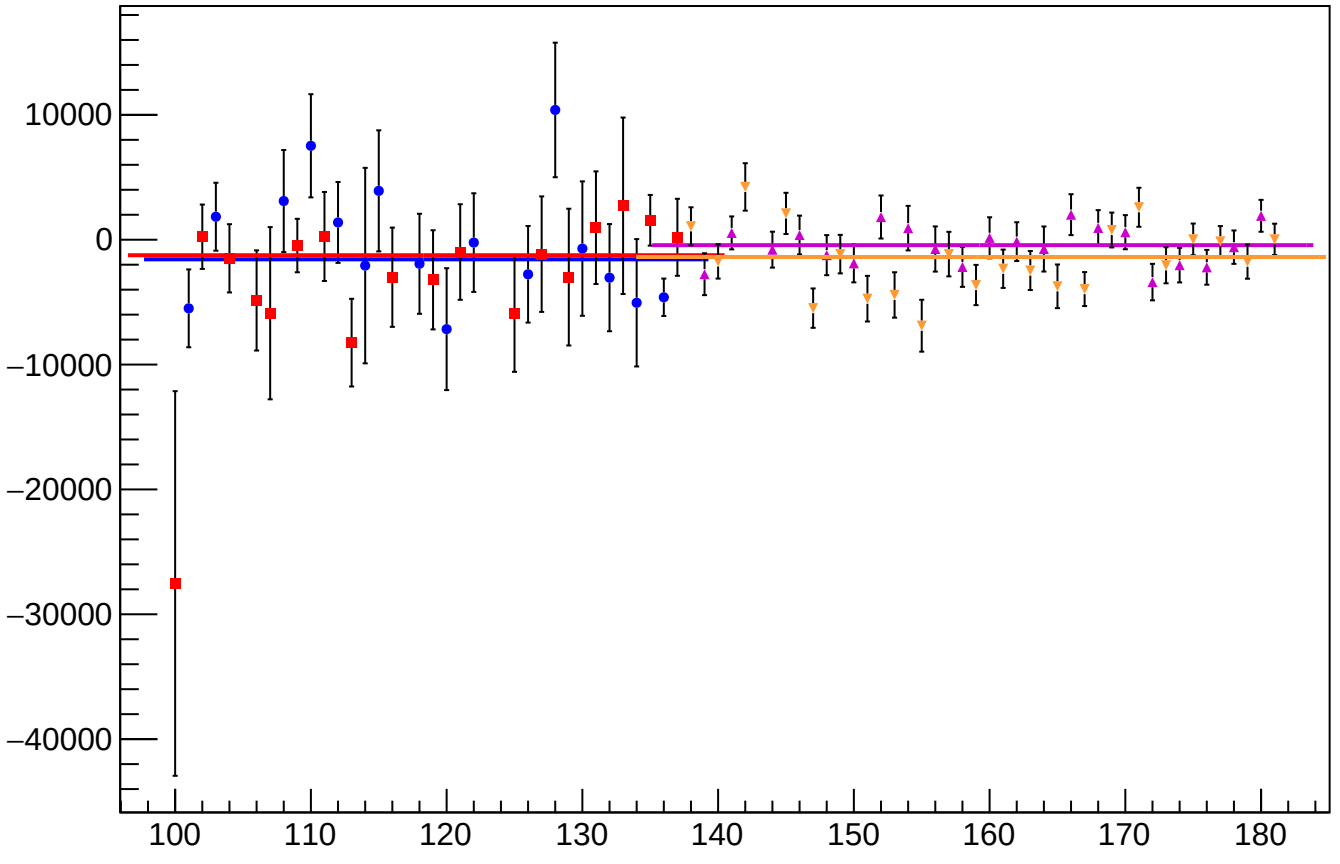
Right Out: 2117.868+/-0.563 χ^2/NDF: 163622.7/17

Left In: 2173.569+/-0.370 χ^2/NDF:45129.4/20

+ sign 2161.091+/-0.308 χ^2/NDF: 220760.5/37

All: 2158.926+/-0.218 χ^2/NDF: 436448.5/76

- sign 2156.741+/-0.309 χ^2/NDF: 215588.7/38



Right In: -1571.073+/-859.754 χ^2/NDF: 22.6/15

Left Out: -1383.087+/-324.067 χ^2/NDF:56.7/21

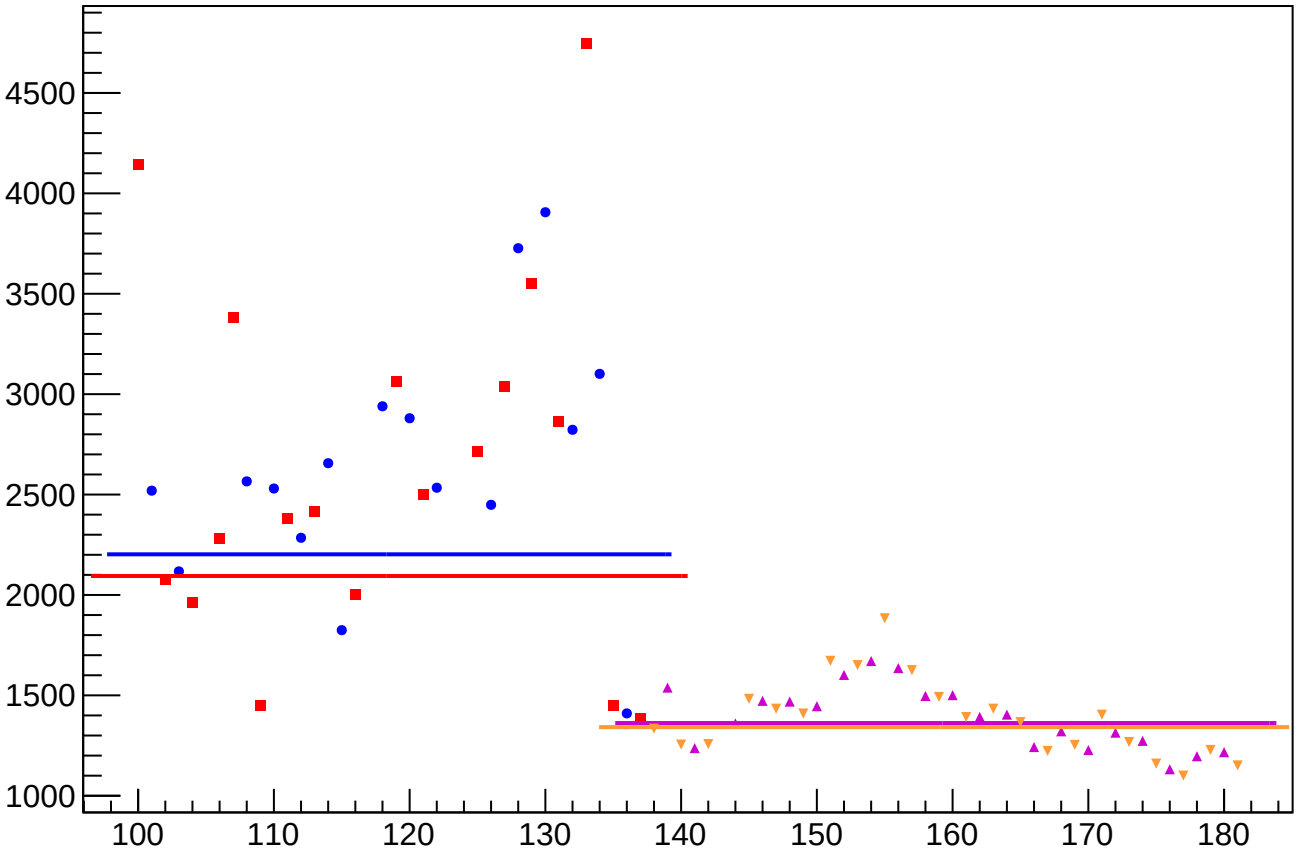
Right Out: -1241.008+/-819.775 χ^2/NDF: 13.1/17

Left In: -436.604+/-330.392 χ^2/NDF:21.9/20

+ sign -1406.473+/-303.241 χ^2/NDF: 79.4/37

All: -982.239+/-215.546 χ^2/NDF: 119.1/76

- sign -549.006+/-306.440 χ^2/NDF: 35.8/38



Right In: 2202.378+/-0.608 χ^2/NDF: 1222965.0/15

Left Out: 1341.852+/-0.229 χ^2/NDF:583864.6/21

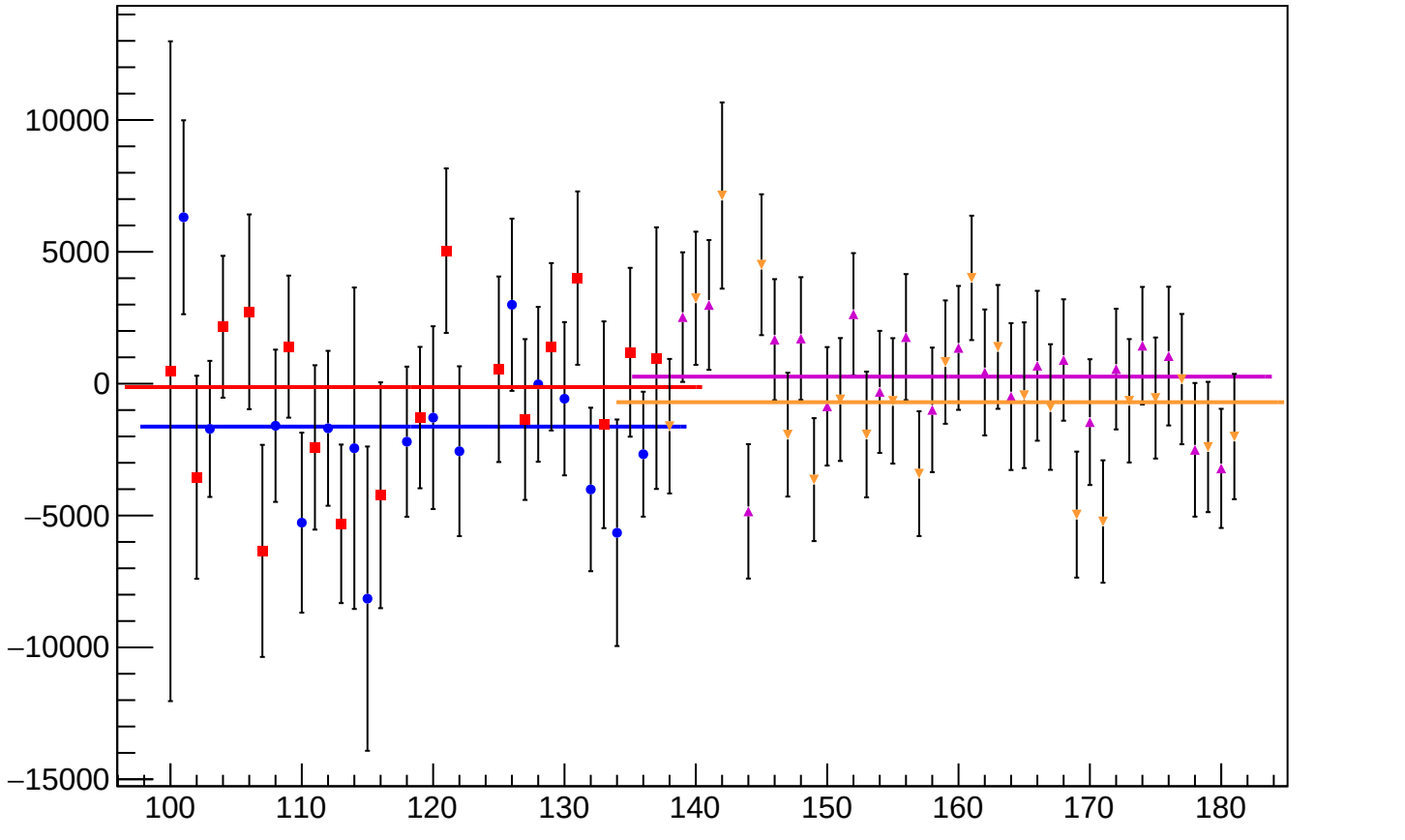
Right Out: 2094.445+/-0.580 χ^2/NDF: 1373676.8/17

Left In: 1362.123+/-0.234 χ^2/NDF:392628.9/20

+ sign 1448.903+/-0.214 χ^2/NDF: 3561173.7/37

All: 1456.597+/-0.152 χ^2/NDF: 6703104.0/76

- sign 1464.453+/-0.217 χ^2/NDF: 3139328.4/38



Right In: -1627.637+/-797.966 χ^2/NDF: 11.3/15

Left Out: -702.168+/-519.804 χ^2/NDF:27.9/21

Right Out: -128.093+/-795.899 χ^2/NDF: 14.6/17

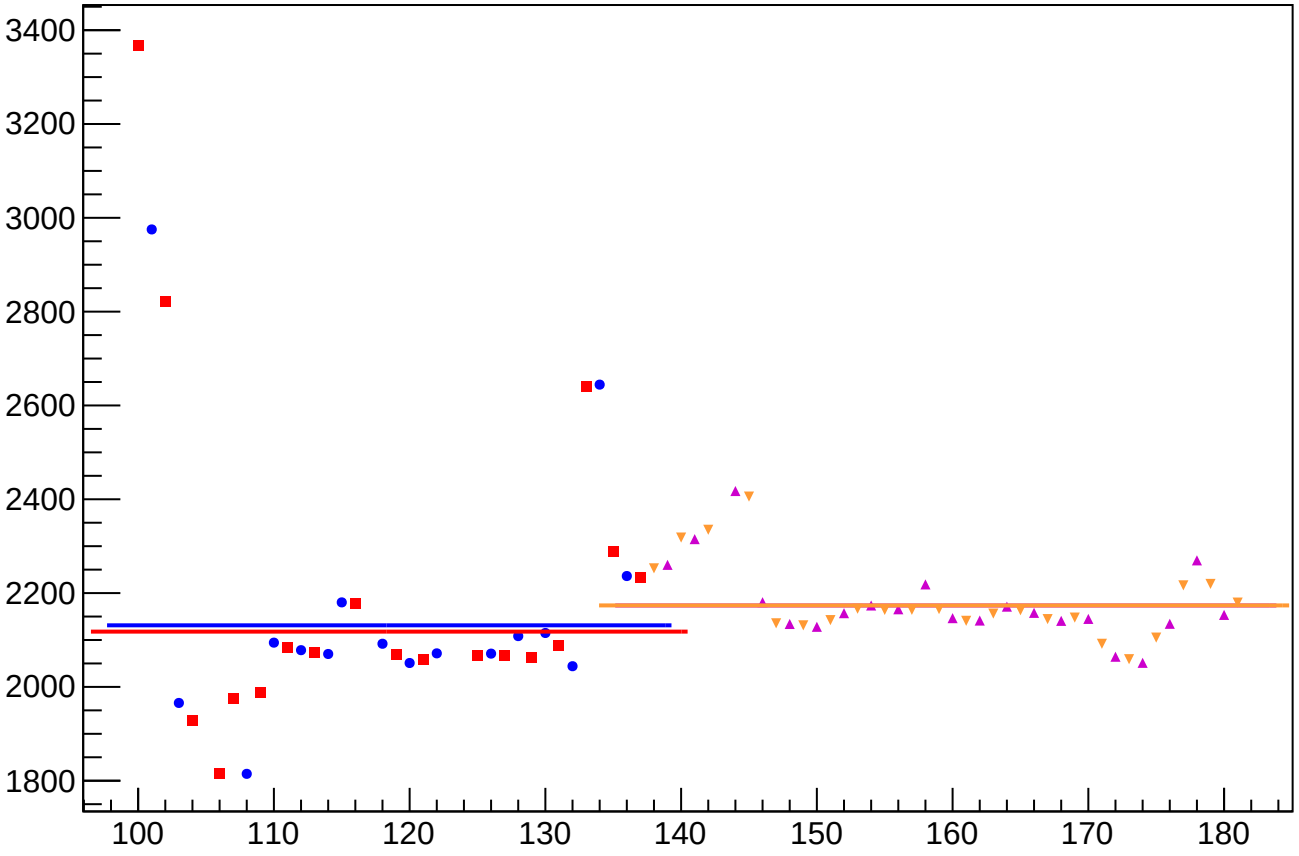
Left In: 267.263+/-523.652 χ^2/NDF:13.7/20

+ sign -977.883+/-435.546 χ^2/NDF: 40.1/37

All: -417.497+/-308.652 χ^2/NDF: 71.9/76

- sign 147.823+/-437.459 χ^2/NDF: 28.5/38

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: 2173.733+/-0.368 χ^2/NDF:40846.3/21

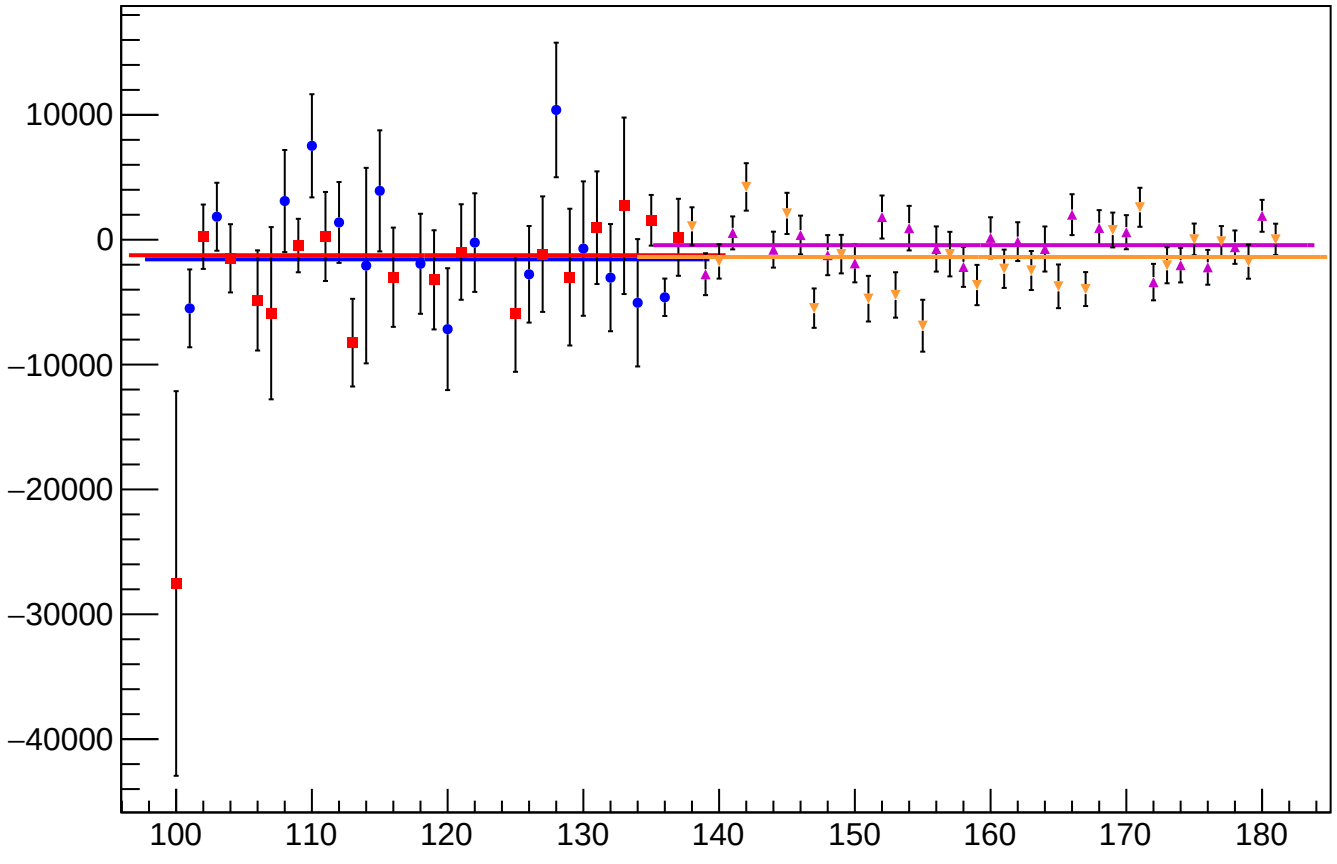
Right Out: 2117.868+/-0.563 χ^2/NDF: 163622.6/17

Left In: 2173.569+/-0.370 χ^2/NDF:45129.4/20

+ sign 2161.091+/-0.308 χ^2/NDF: 220760.4/37

All: 2158.925+/-0.218 χ^2/NDF: 436448.3/76

- sign 2156.741+/-0.309 χ^2/NDF: 215588.5/38



Right In: -1571.058+/-859.757 χ^2/NDF: 22.6/15

Left Out: -1383.089+/-324.067 χ^2/NDF:56.7/21

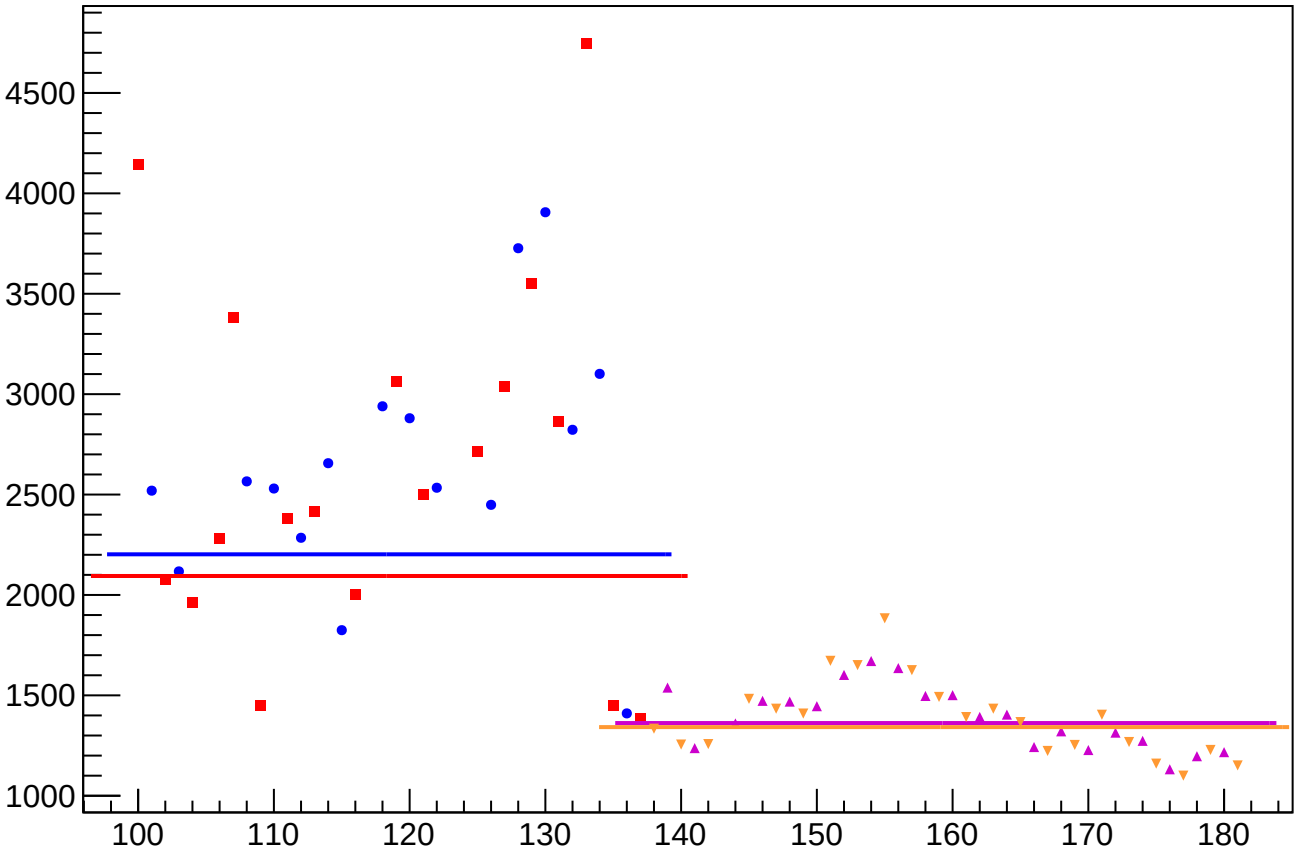
Right Out: -1241.023+/-819.778 χ^2/NDF: 13.1/17

Left In: -436.600+/-330.391 χ^2/NDF:21.9/20

+ sign -1406.472+/-303.241 χ^2/NDF: 79.4/37

All: -982.238+/-215.546 χ^2/NDF: 119.1/76

- sign -549.005+/-306.440 χ^2/NDF: 35.8/38



Right In: 2202.391+/-0.608 χ^2/NDF: 1222905.3/15

Left Out: 1341.852+/-0.229 χ^2/NDF:583863.0/21

Right Out: 2094.457+/-0.580 χ^2/NDF: 1373629.6/17

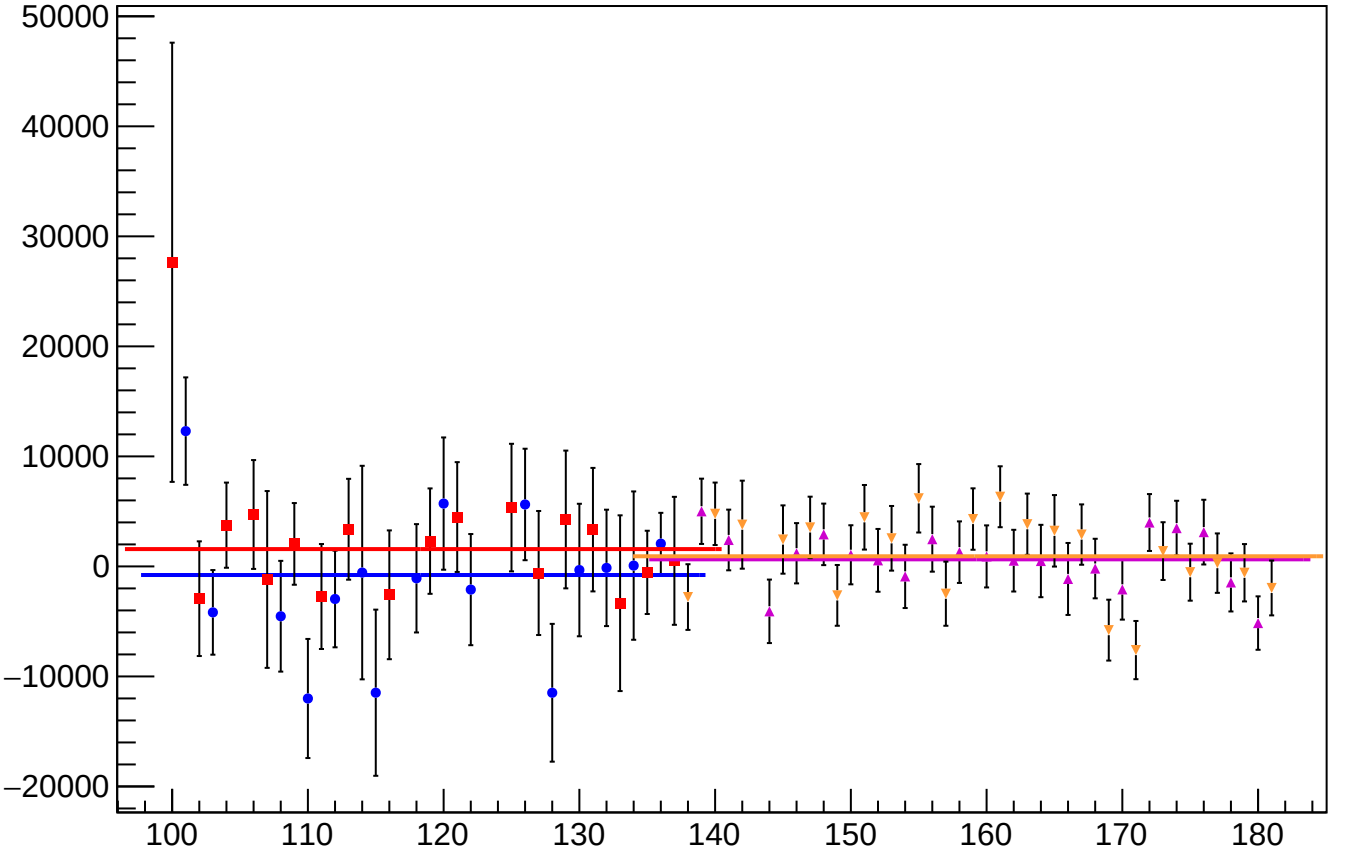
Left In: 1362.121+/-0.234 χ^2/NDF:392638.2/20

+ sign 1448.904+/-0.214 χ^2/NDF: 3561153.2/37

All: 1456.597+/-0.152 χ^2/NDF: 6703087.9/76

- sign 1464.453+/-0.217 χ^2/NDF: 3139333.2/38

asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: -781.619+/-1241.711 χ^2/NDF: 21.9/15

Left Out: 921.437+/-603.731 χ^2/NDF:38.4/21

Right Out: 1574.673+/-1218.961 χ^2/NDF: 6.7/17

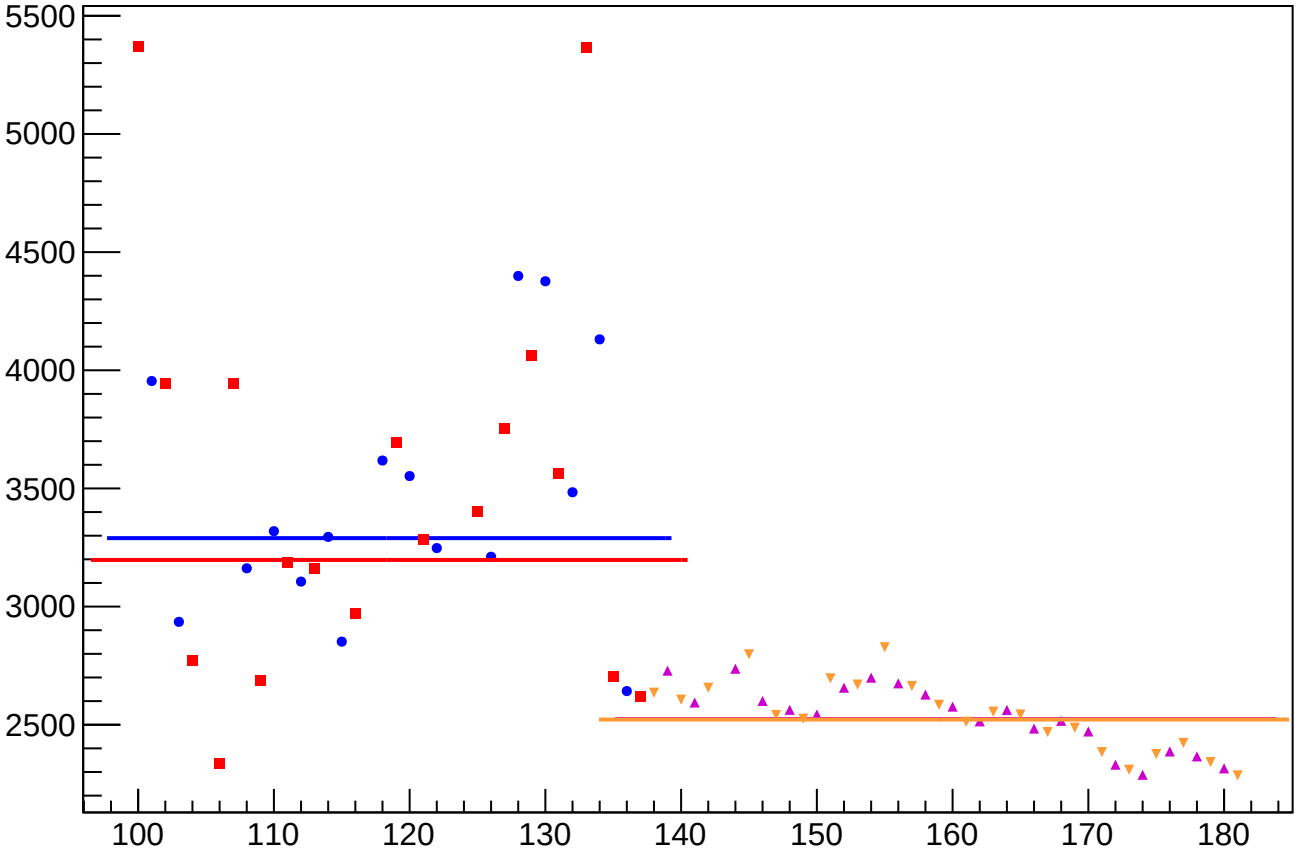
Left In: 642.613+/-608.671 χ^2/NDF:18.1/20

+ sign 595.813+/-542.956 χ^2/NDF: 61.8/37

All: 711.879+/-384.492 χ^2/NDF: 87.2/76

- sign 828.629+/-544.556 χ^2/NDF: 25.3/38

asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 3289.690+/-0.878 χ^2/NDF: 347594.0/15

Left Out: 2522.001+/-0.427 χ^2/NDF:116638.5/21

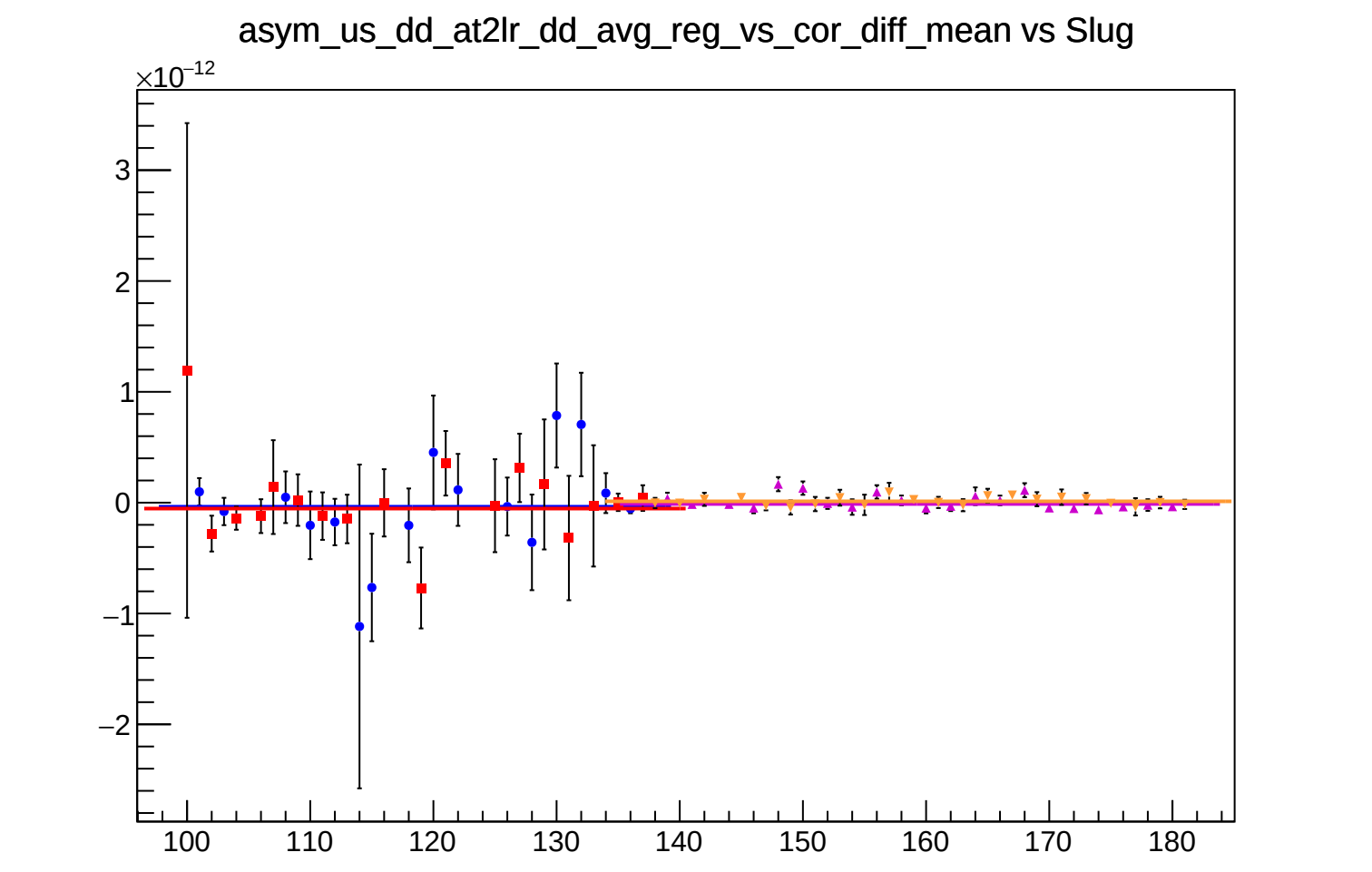
Right Out: 3197.375+/-0.862 χ^2/NDF: 499934.1/17

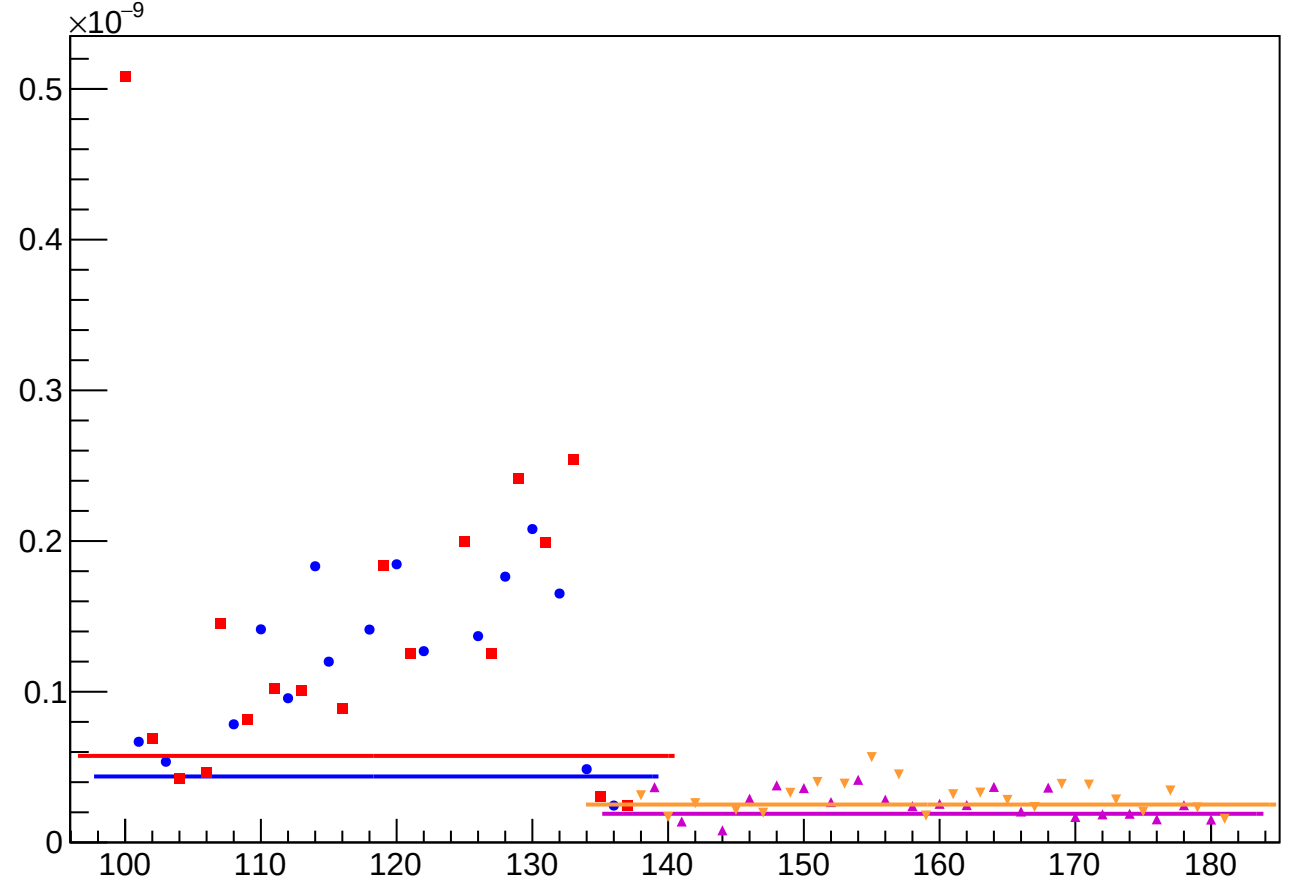
Left In: 2524.217+/-0.430 χ^2/NDF:100964.3/20

+ sign 2668.783+/-0.384 χ^2/NDF: 1082535.1/37

All: 2663.689+/-0.272 χ^2/NDF: 2172007.0/76

- sign 2658.565+/-0.385 χ^2/NDF: 1089118.9/38


asym_us_dd_at2lr_dd_avg_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: 13.2/15
Left Out: 0.000+/-0.000 χ²/NDF:9.7/21
Right Out: -0.000+/-0.000 χ²/NDF: 12.6/17
Left In: -0.000+/-0.000 χ²/NDF:30.1/20
+ sign 0.000+/-0.000 χ²/NDF: 24.7/37
All: -0.000+/-0.000 χ²/NDF: 71.0/76
- sign -0.000+/-0.000 χ²/NDF: 43.6/38



Right In: 0.000+/-0.000 χ^2/NDF: 2227887.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1322240.3/21

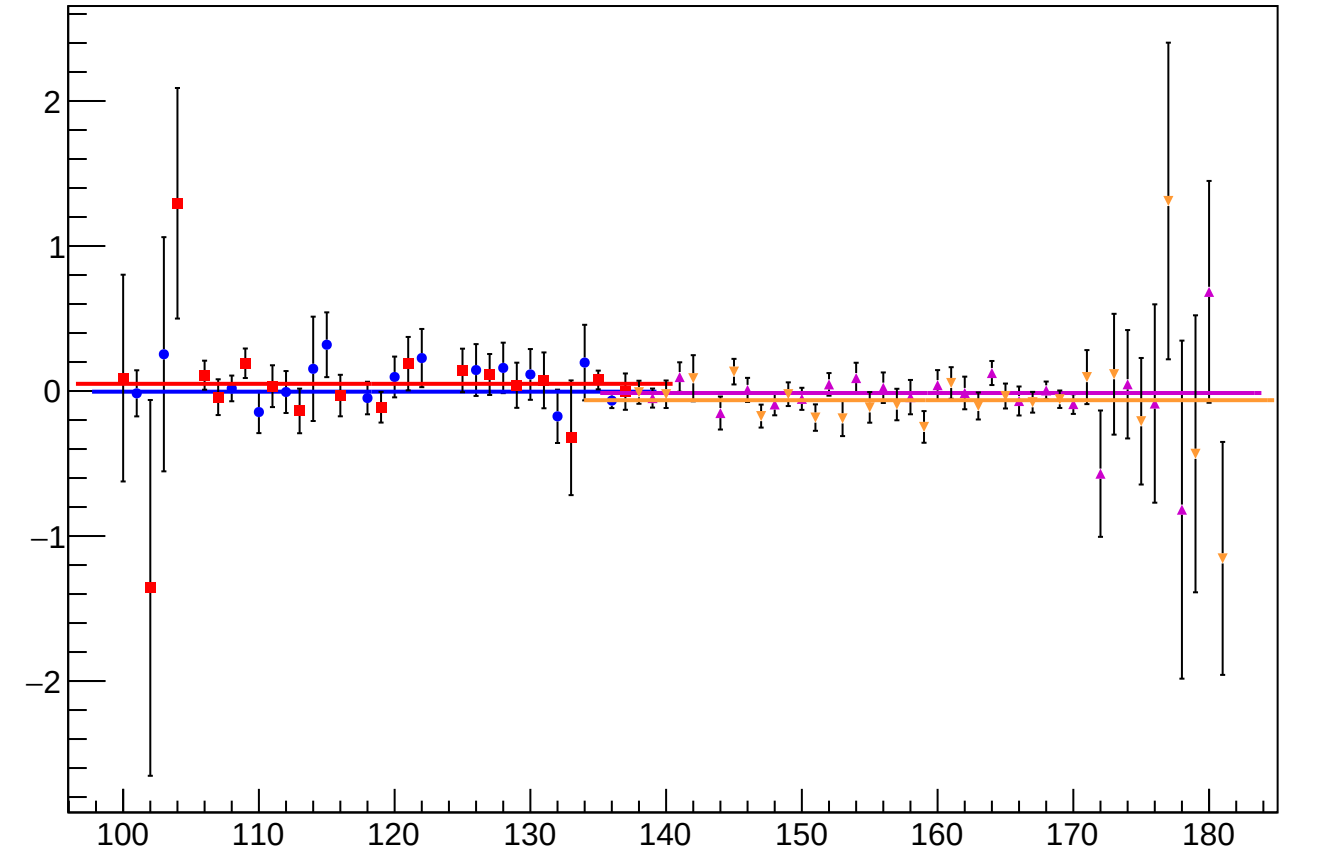
Right Out: 0.000+/-0.000 χ^2/NDF: 2086696.1/17

Left In: 0.000+/-0.000 χ^2/NDF:2187571.4/20

+ sign 0.000+/-0.000 χ^2/NDF: 4089310.8/37

All: 0.000+/-0.000 χ^2/NDF: 10325323.5/76

- sign 0.000+/-0.000 χ^2/NDF: 5783649.1/38



Right In: -0.005+/-0.032 χ^2/NDF: 10.3/15

Left Out: -0.063+/-0.022 χ^2/NDF:20.8/21

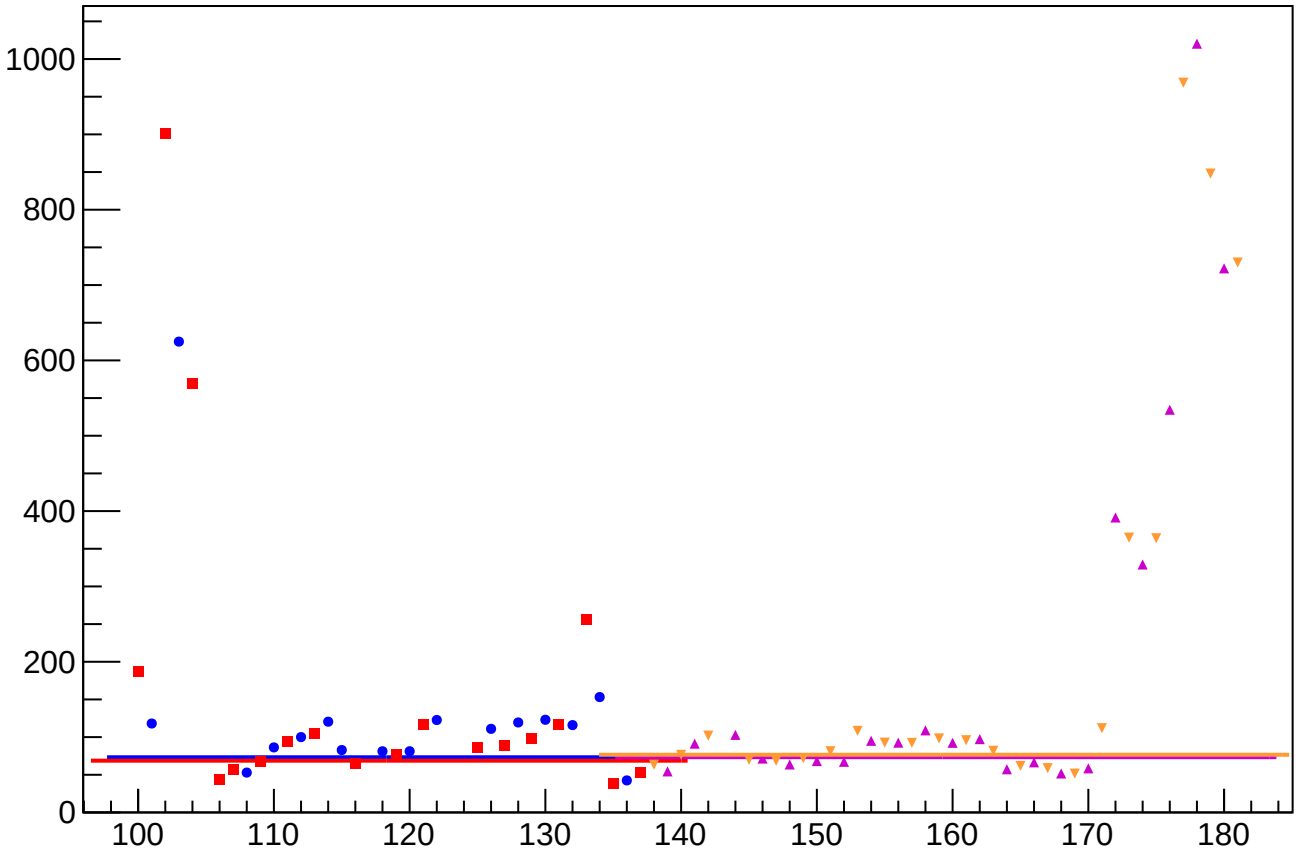
Right Out: 0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: -0.014+/-0.021 χ^2/NDF:13.8/20

+ sign -0.044+/-0.018 χ^2/NDF: 33.3/37

All: -0.018+/-0.013 χ^2/NDF: 66.8/76

- sign 0.006+/-0.018 χ^2/NDF: 29.5/38



Right In: 73.234+/-0.023 χ^2/NDF: 2854601.2/15

Left Out: 76.590+/-0.016 χ^2/NDF:6907122.1/21

Right Out: 68.724+/-0.022 χ^2/NDF: 3331744.2/17

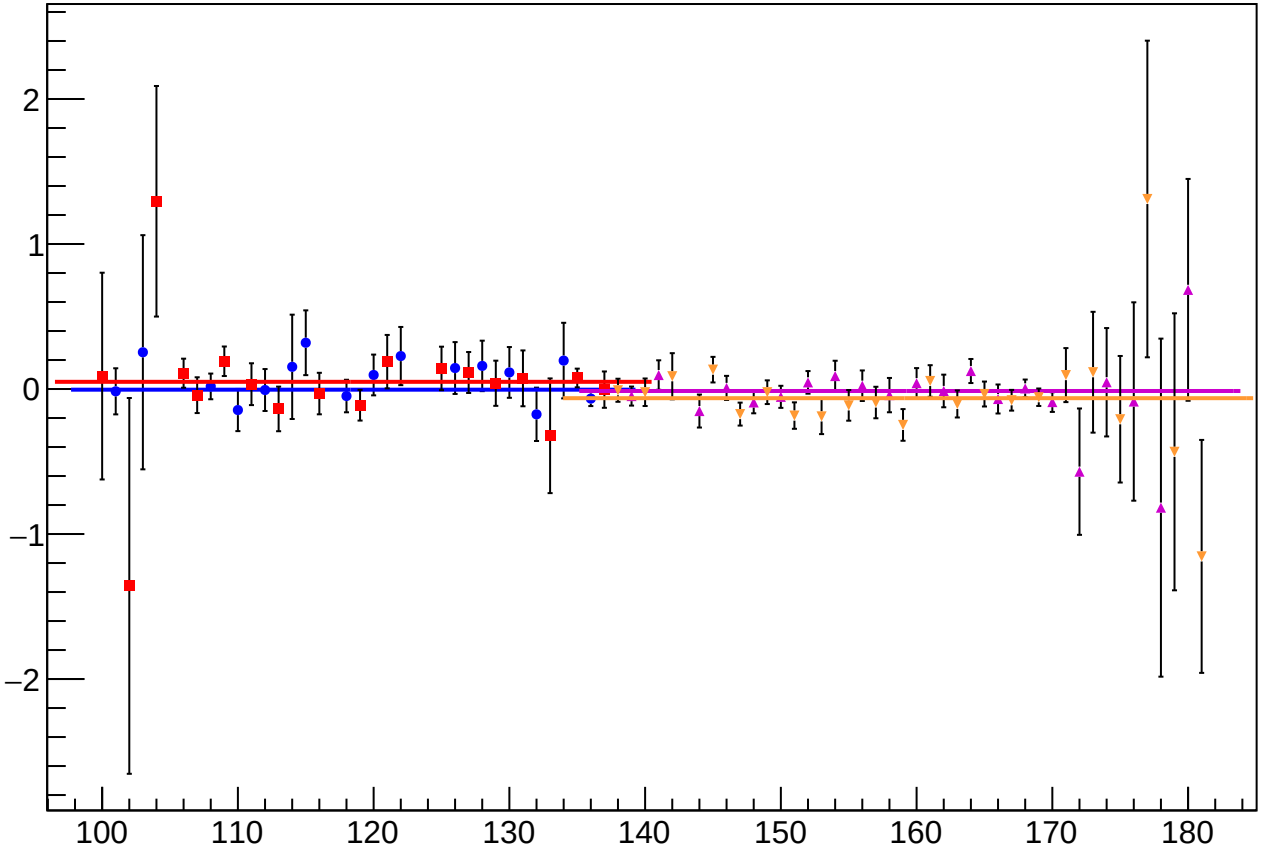
Left In: 73.356+/-0.015 χ^2/NDF:7011225.4/20

\+ sign 75.515+/-0.013 χ^2/NDF: 9776458.3/37

All: 73.655+/-0.009 χ^2/NDF: 20189120.0/76

\- sign 71.927+/-0.012 χ^2/NDF: 10372574.5/38

asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.005+/-0.032 χ^2/NDF: 10.3/15

Left Out: -0.063+/-0.022 χ^2/NDF:20.8/21

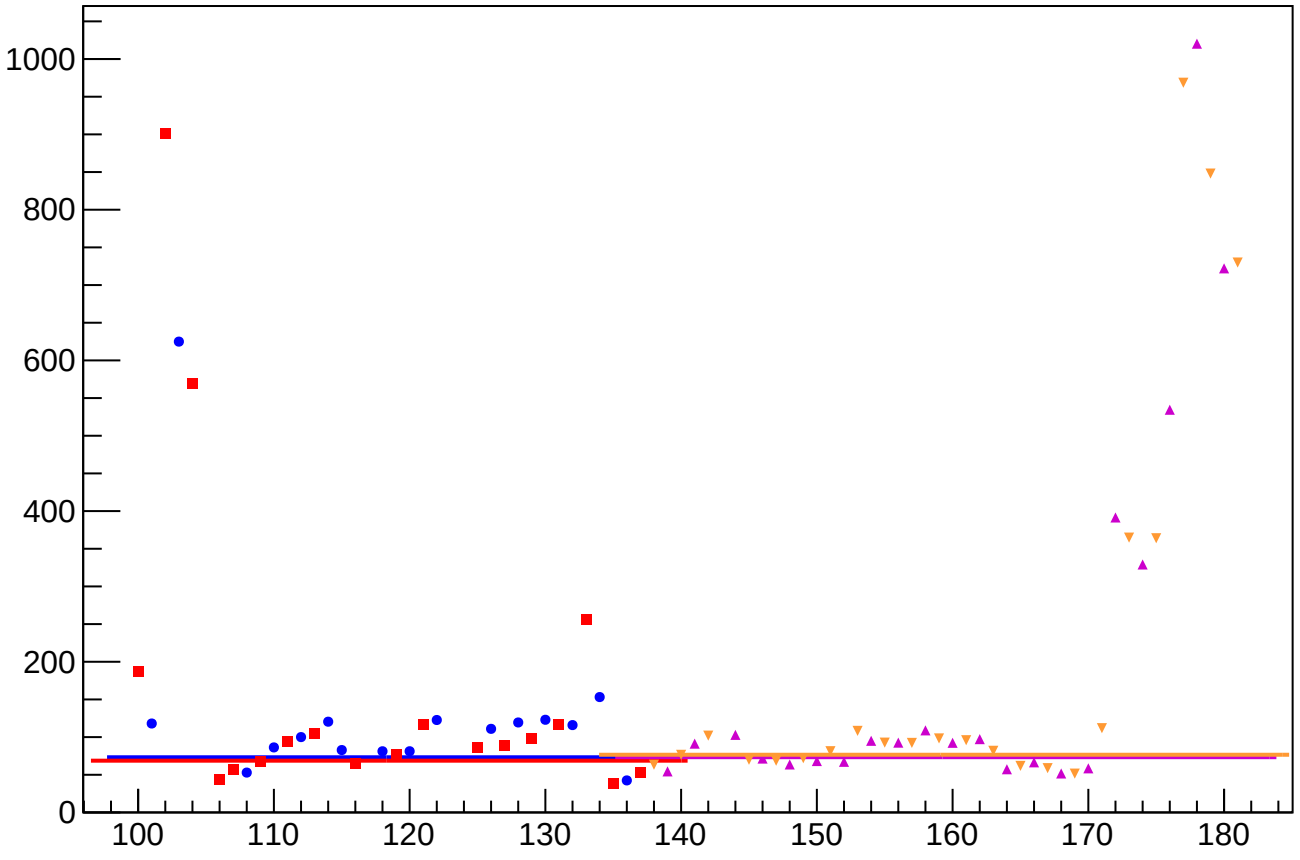
Right Out: 0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: -0.014+/-0.021 χ^2/NDF:13.8/20

+ sign -0.044+/-0.018 χ^2/NDF: 33.3/37

All: -0.018+/-0.013 χ^2/NDF: 66.8/76

- sign 0.006+/-0.018 χ^2/NDF: 29.5/38



Right In: 73.234+/-0.023 χ^2/NDF: 2854601.2/15

Left Out: 76.590+/-0.016 χ^2/NDF:6907122.1/21

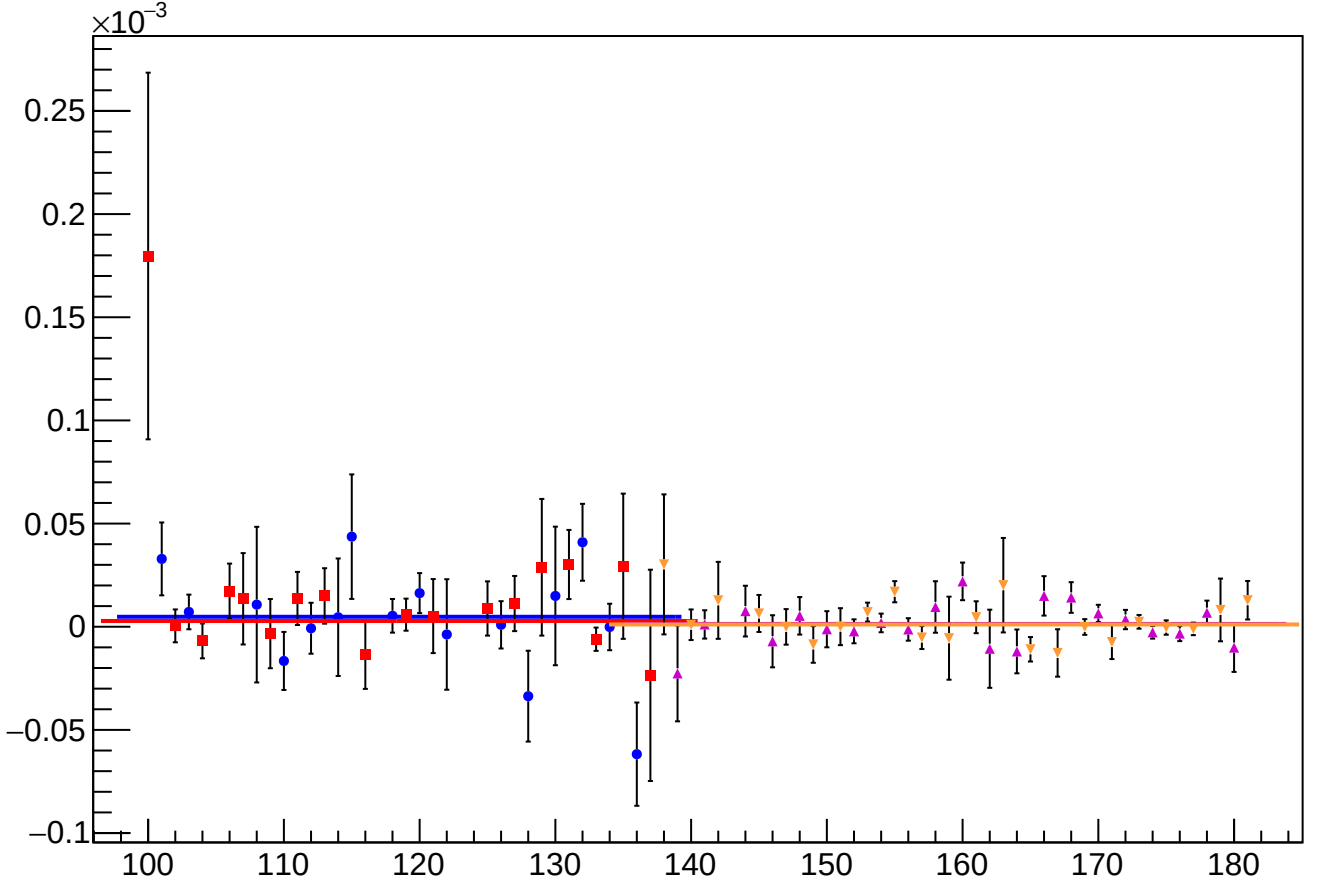
Right Out: 68.724+/-0.022 χ^2/NDF: 3331744.2/17

Left In: 73.356+/-0.015 χ^2/NDF:7011225.4/20

+ sign 75.515+/-0.013 χ^2/NDF: 9776458.3/37

All: 73.655+/-0.009 χ^2/NDF: 20189120.0/76

- sign 71.927+/-0.012 χ^2/NDF: 10372574.5/38



Right In: 0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:25.6/21

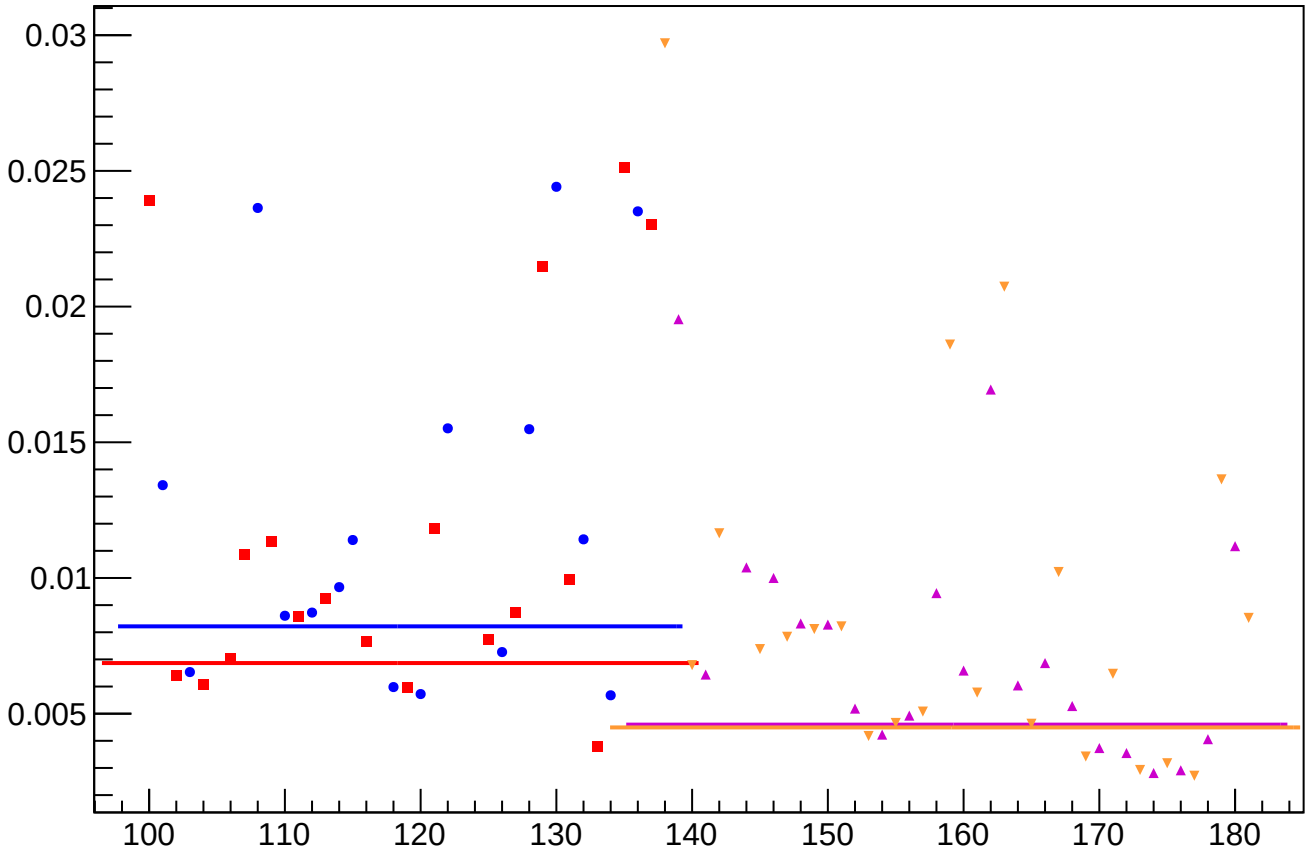
Right Out: 0.000+/-0.000 χ^2/NDF: 16.8/17

Left In: 0.000+/-0.000 χ^2/NDF:22.1/20

+ sign 0.000+/-0.000 χ^2/NDF: 49.2/37

All: 0.000+/-0.000 χ^2/NDF: 88.3/76

- sign 0.000+/-0.000 χ^2/NDF: 39.1/38



Right In: 0.008+/-0.000 χ^2/NDF: 2656170.2/15

Left Out: 0.004+/-0.000 χ^2/NDF:8138098.3/21

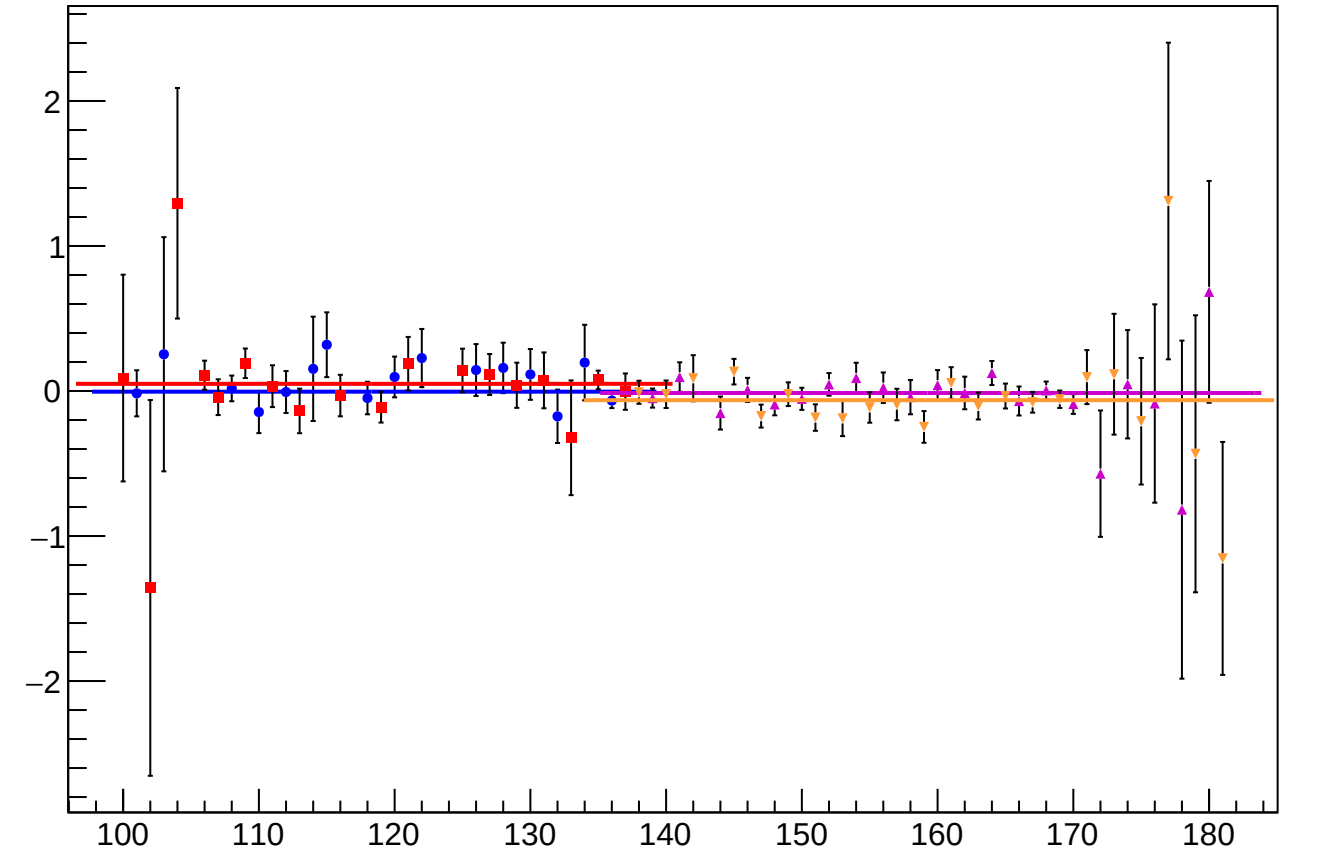
Right Out: 0.007+/-0.000 χ^2/NDF: 2426444.0/17

Left In: 0.005+/-0.000 χ^2/NDF:5856952.7/20

+ sign 0.005+/-0.000 χ^2/NDF: 12806849.5/37

All: 0.005+/-0.000 χ^2/NDF: 22141843.1/76

- sign 0.005+/-0.000 χ^2/NDF: 9329514.7/38



Right In: -0.005+/-0.032 χ^2/NDF: 10.3/15

Left Out: -0.063+/-0.022 χ^2/NDF:20.8/21

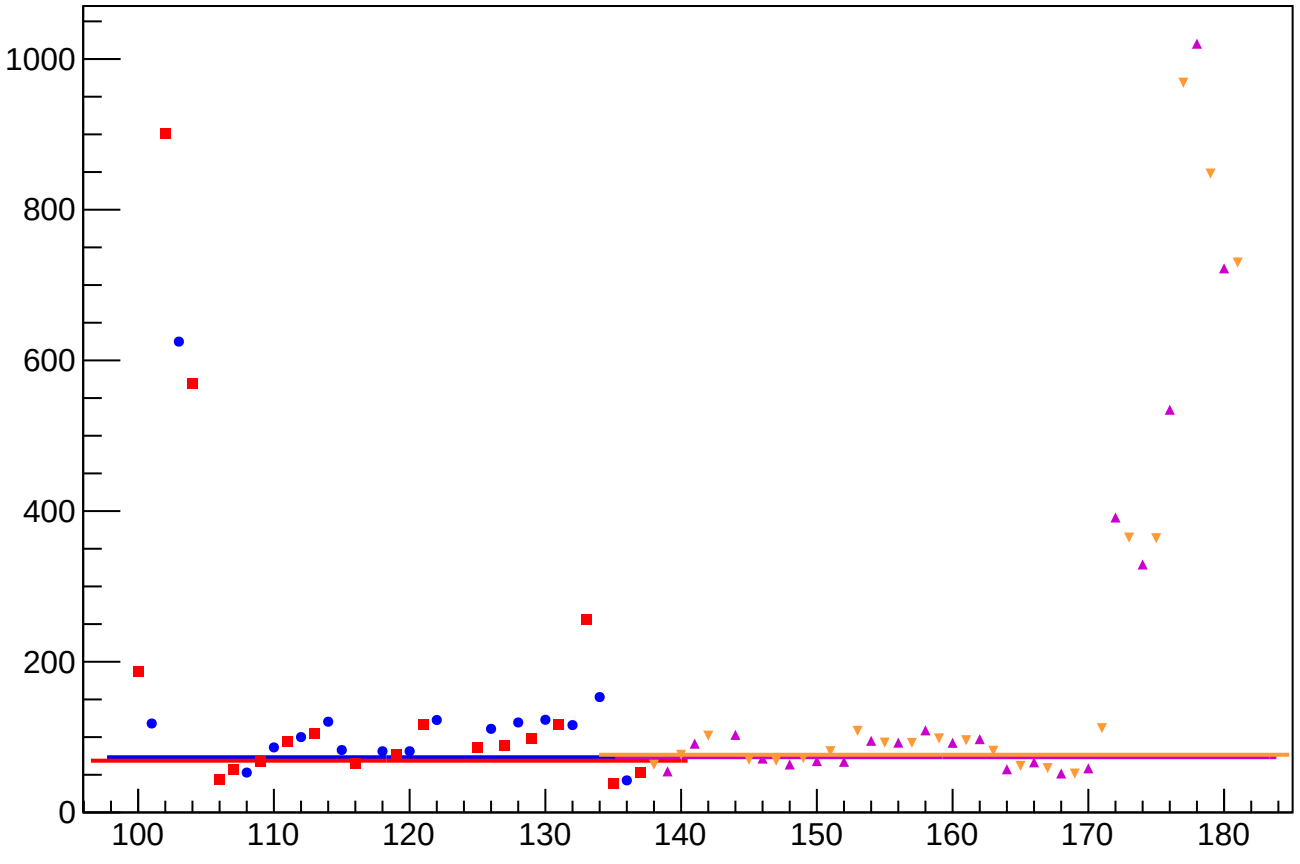
Right Out: 0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: -0.014+/-0.021 χ^2/NDF:13.8/20

+ sign -0.044+/-0.018 χ^2/NDF: 33.3/37

All: -0.018+/-0.013 χ^2/NDF: 66.8/76

- sign 0.006+/-0.018 χ^2/NDF: 29.6/38



Right In: 73.260+/-0.023 χ^2/NDF: 2852306.8/15

Left Out: 76.590+/-0.016 χ^2/NDF:6907034.8/21

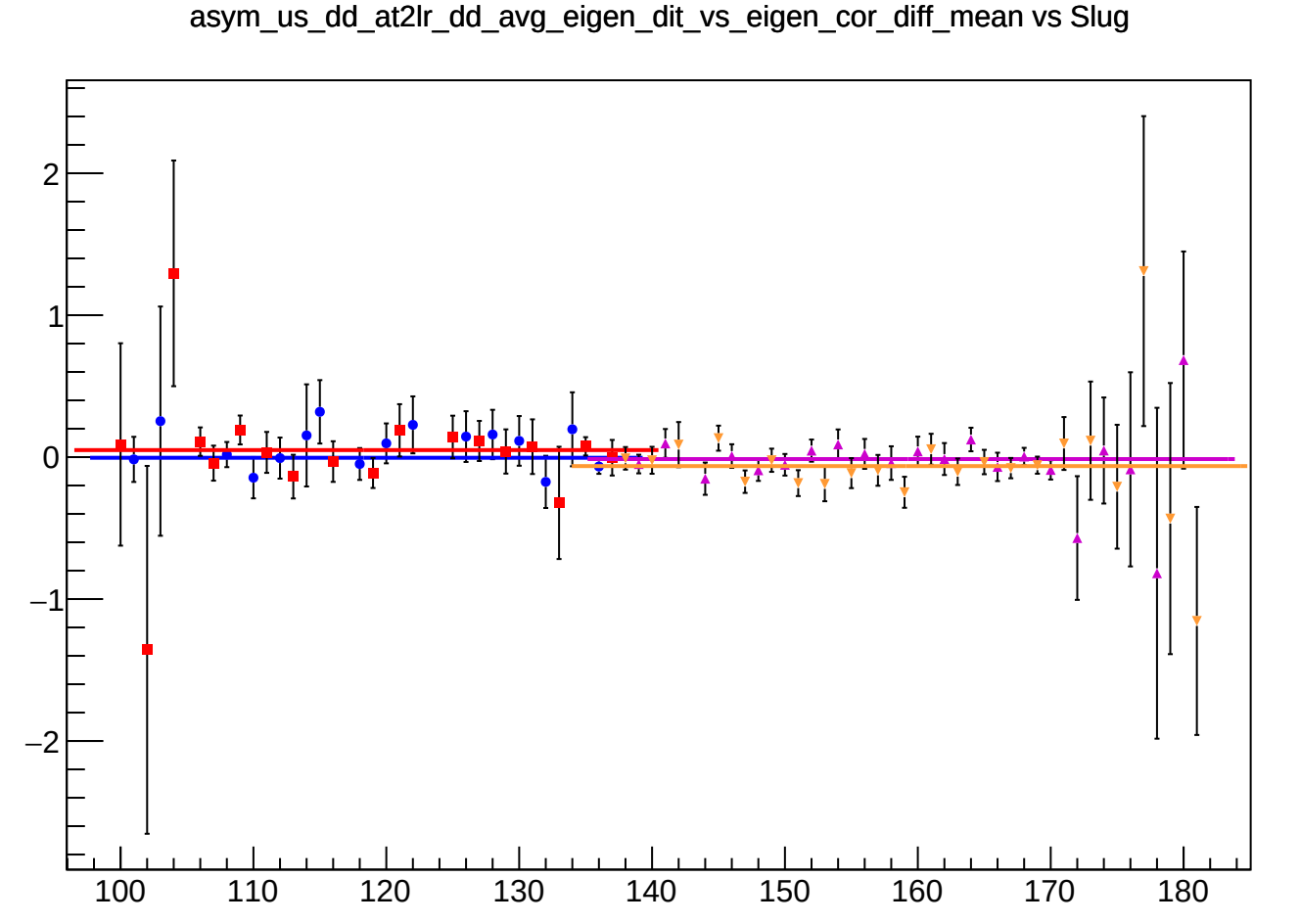
Right Out: 68.713+/-0.022 χ^2/NDF: 3332744.7/17

Left In: 73.357+/-0.015 χ^2/NDF:7010946.6/20

+ sign 75.523+/-0.013 χ^2/NDF: 9773850.5/37

All: 73.657+/-0.009 χ^2/NDF: 20187638.8/76

- sign 71.924+/-0.012 χ^2/NDF: 10373458.6/38



Right In: -0.005+/-0.032 χ^2/NDF: 10.3/15

Left Out: -0.063+/-0.022 χ^2/NDF:20.8/21

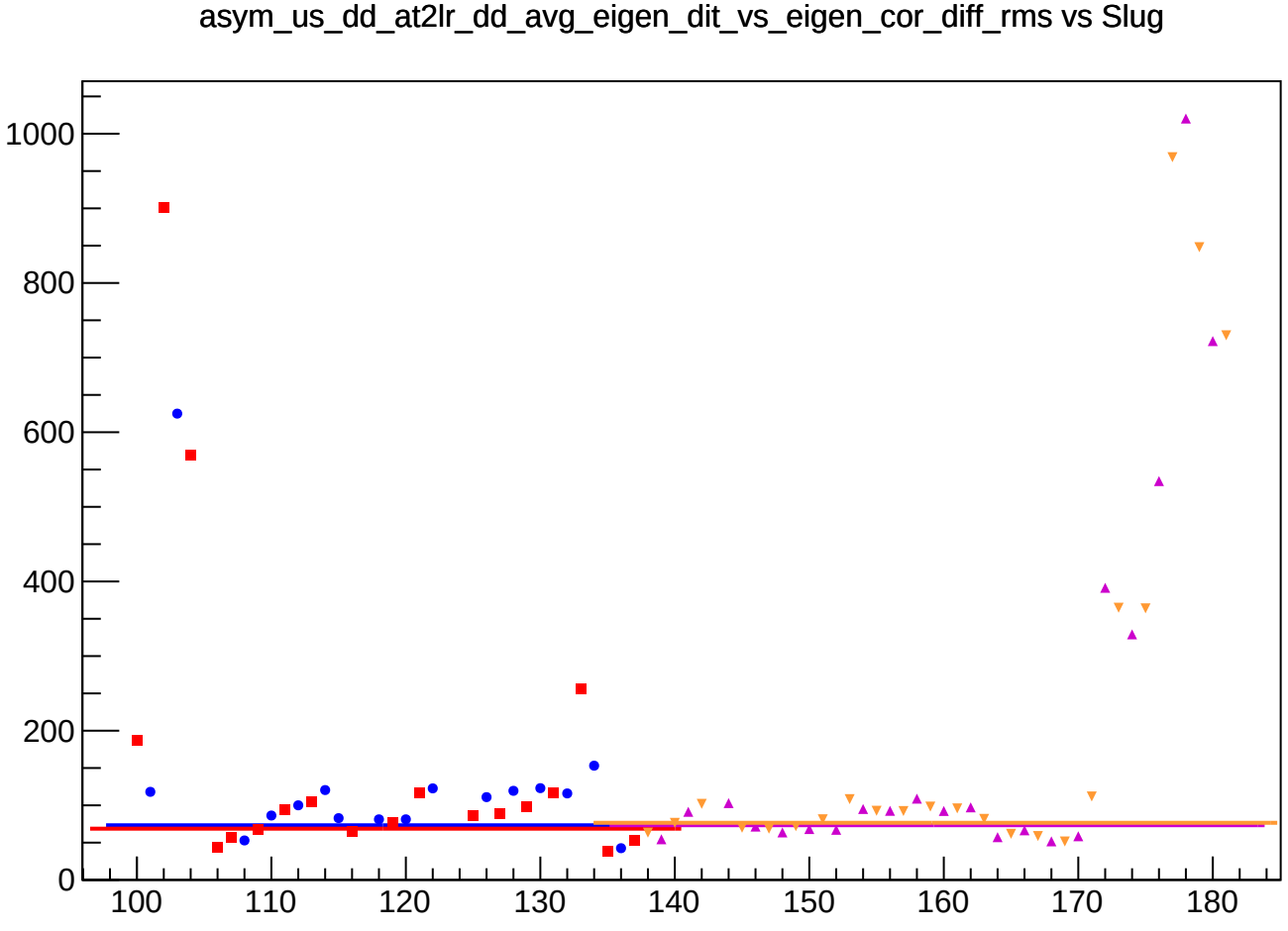
Right Out: 0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: -0.014+/-0.021 χ^2/NDF:13.8/20

+ sign -0.044+/-0.018 χ^2/NDF: 33.3/37

All: -0.018+/-0.013 χ^2/NDF: 66.8/76

- sign 0.006+/-0.018 χ^2/NDF: 29.6/38



Right In: 73.260+/-0.023 χ^2/NDF: 2852306.8/15

Left Out: 76.590+/-0.016 χ^2/NDF:6907034.8/21

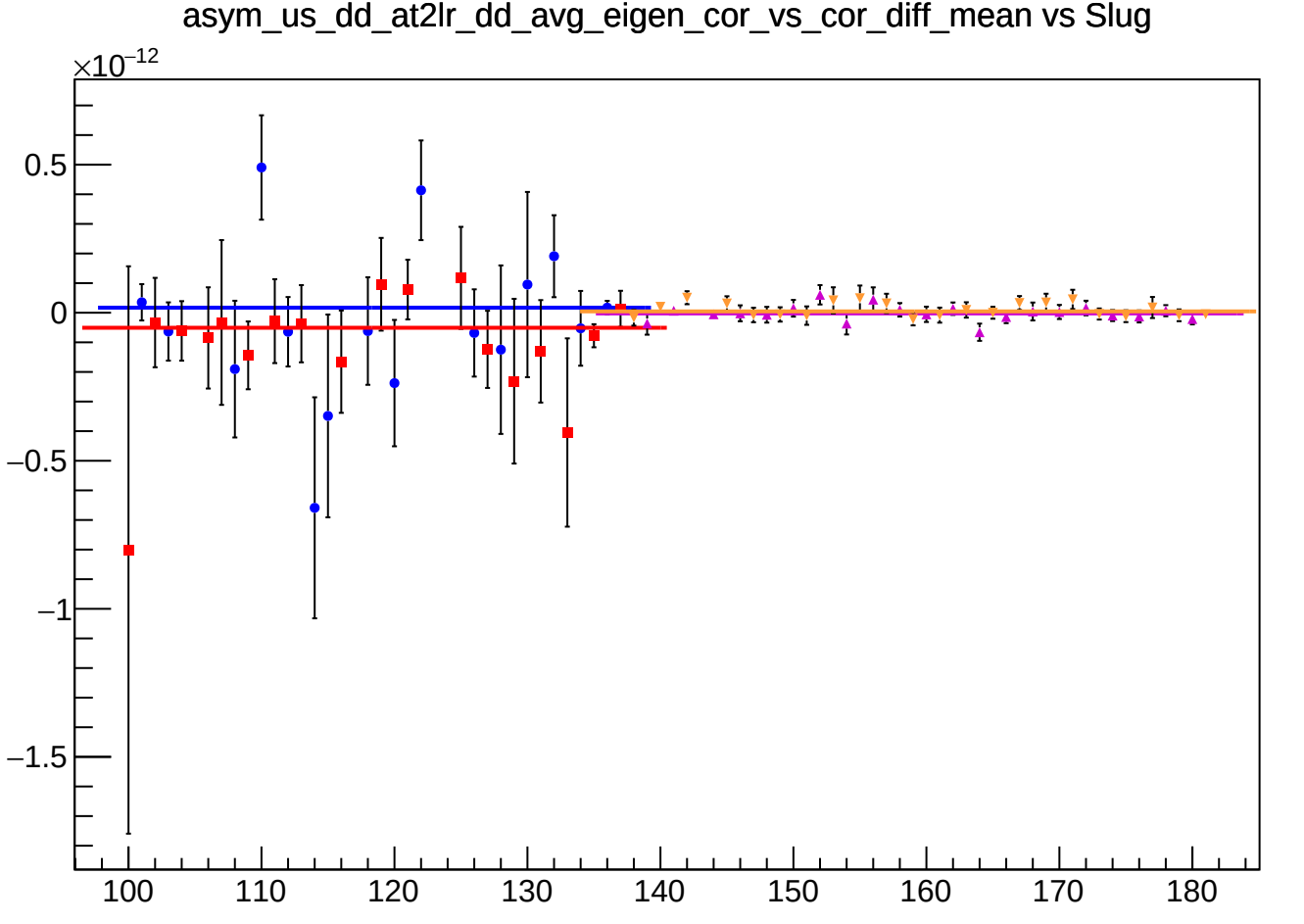
Right Out: 68.713+/-0.022 χ^2/NDF: 3332744.7/17

Left In: 73.357+/-0.015 χ^2/NDF:7010946.6/20

+ sign 75.523+/-0.013 χ^2/NDF: 9773850.5/37

All: 73.657+/-0.009 χ^2/NDF: 20187638.8/76

- sign 71.924+/-0.012 χ^2/NDF: 10373458.6/38



Right In: 0.000+/-0.000 χ^2/NDF: 23.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.9/21

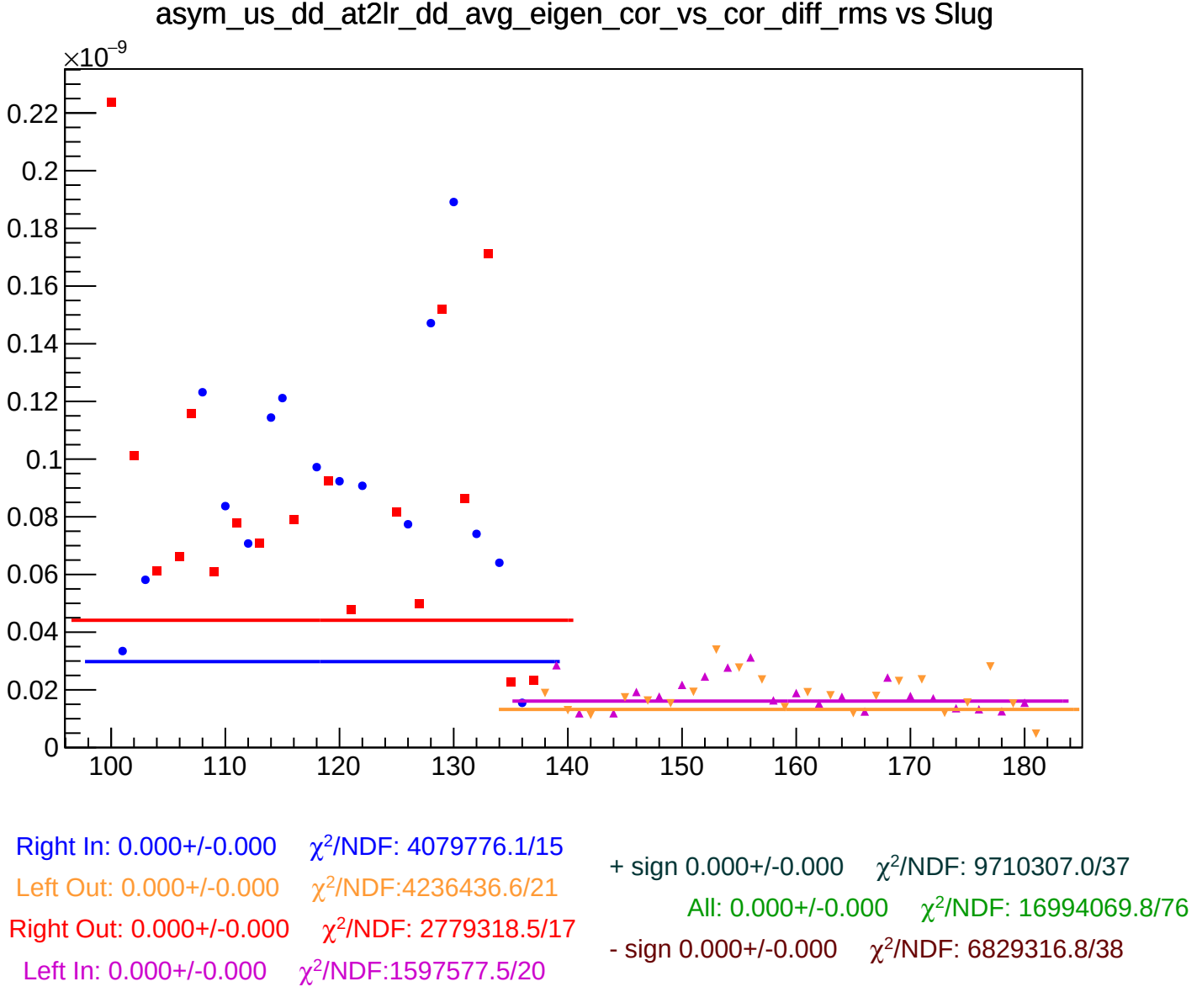
Right Out: -0.000+/-0.000 χ^2/NDF: 9.1/17

Left In: -0.000+/-0.000 χ^2/NDF:15.7/20

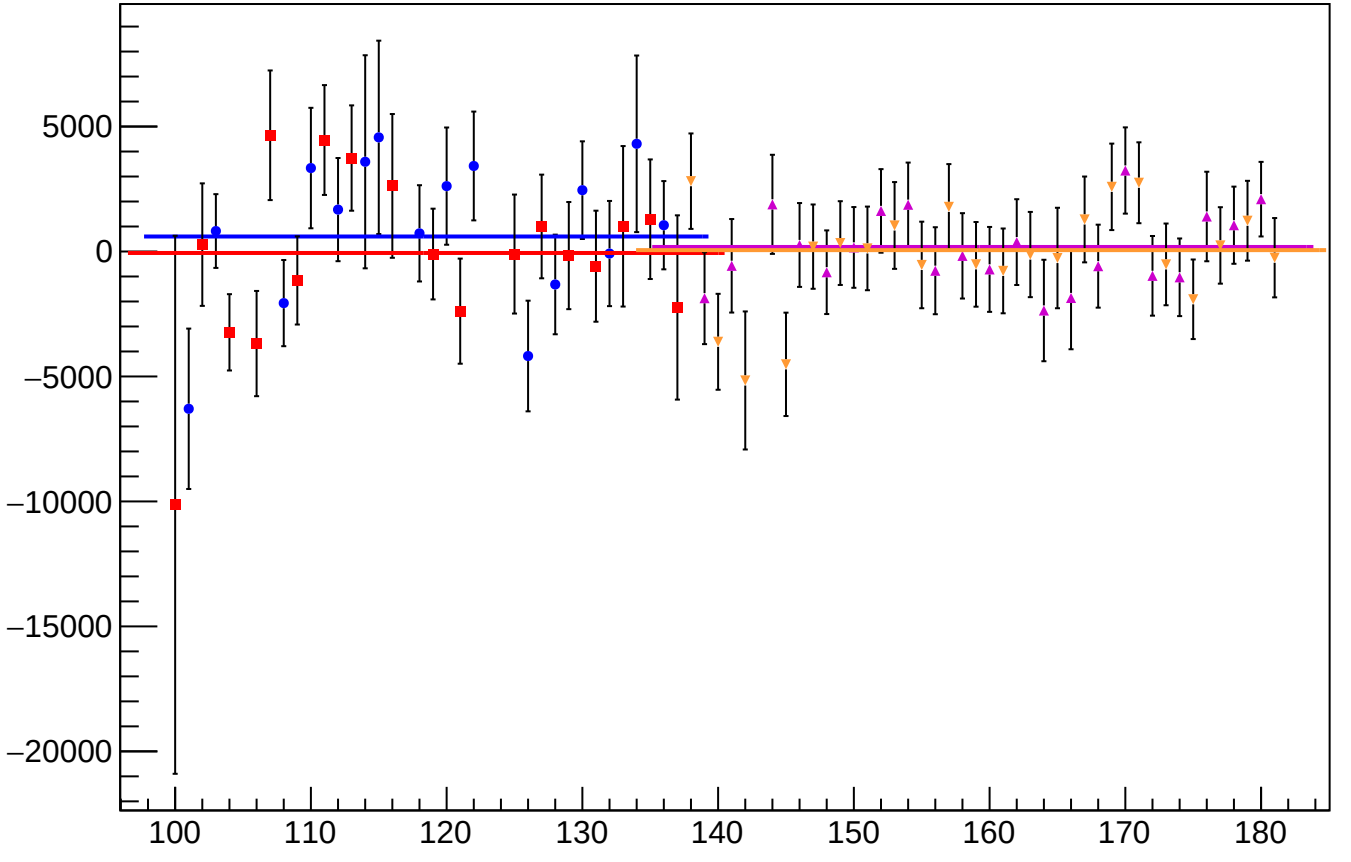
+ sign 0.000+/-0.000 χ^2/NDF: 42.6/37

All: 0.000+/-0.000 χ^2/NDF: 73.1/76

- sign -0.000+/-0.000 χ^2/NDF: 28.4/38


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
0
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:4236436.6/21
Right Out: 0.000+/-0.000 χ²/NDF: 2779318.5/17
Left In: 0.000+/-0.000 χ²/NDF:1597577.5/20
+ sign 0.000+/-0.000 χ²/NDF: 9710307.0/37
All: 0.000+/-0.000 χ²/NDF: 16994069.8/76
- sign 0.000+/-0.000 χ²/NDF: 6829316.8/38

reg_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 600.146+/-540.053 χ^2/NDF: 20.3/15

Left Out: 54.925+/-369.864 χ^2/NDF:23.7/21

Right Out: -59.091+/-530.206 χ^2/NDF: 22.5/17

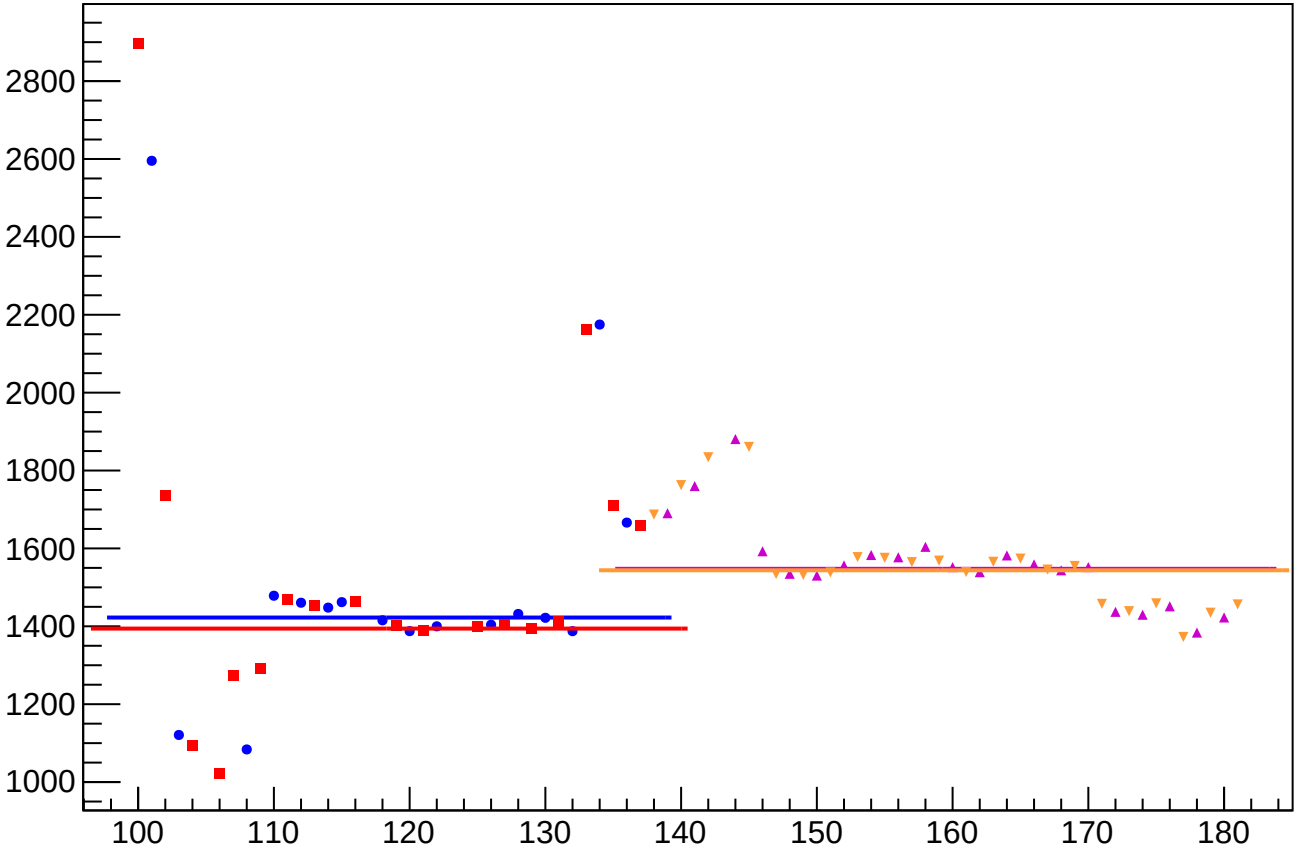
Left In: 181.091+/-373.511 χ^2/NDF:14.4/20

+ sign 229.005+/-305.158 χ^2/NDF: 44.8/37

All: 165.257+/-215.847 χ^2/NDF: 81.9/76

- sign 101.429+/-305.350 χ^2/NDF: 37.1/38

reg_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.3/15

Left Out: 1543.877+/-0.262 χ^2/NDF:169528.1/21

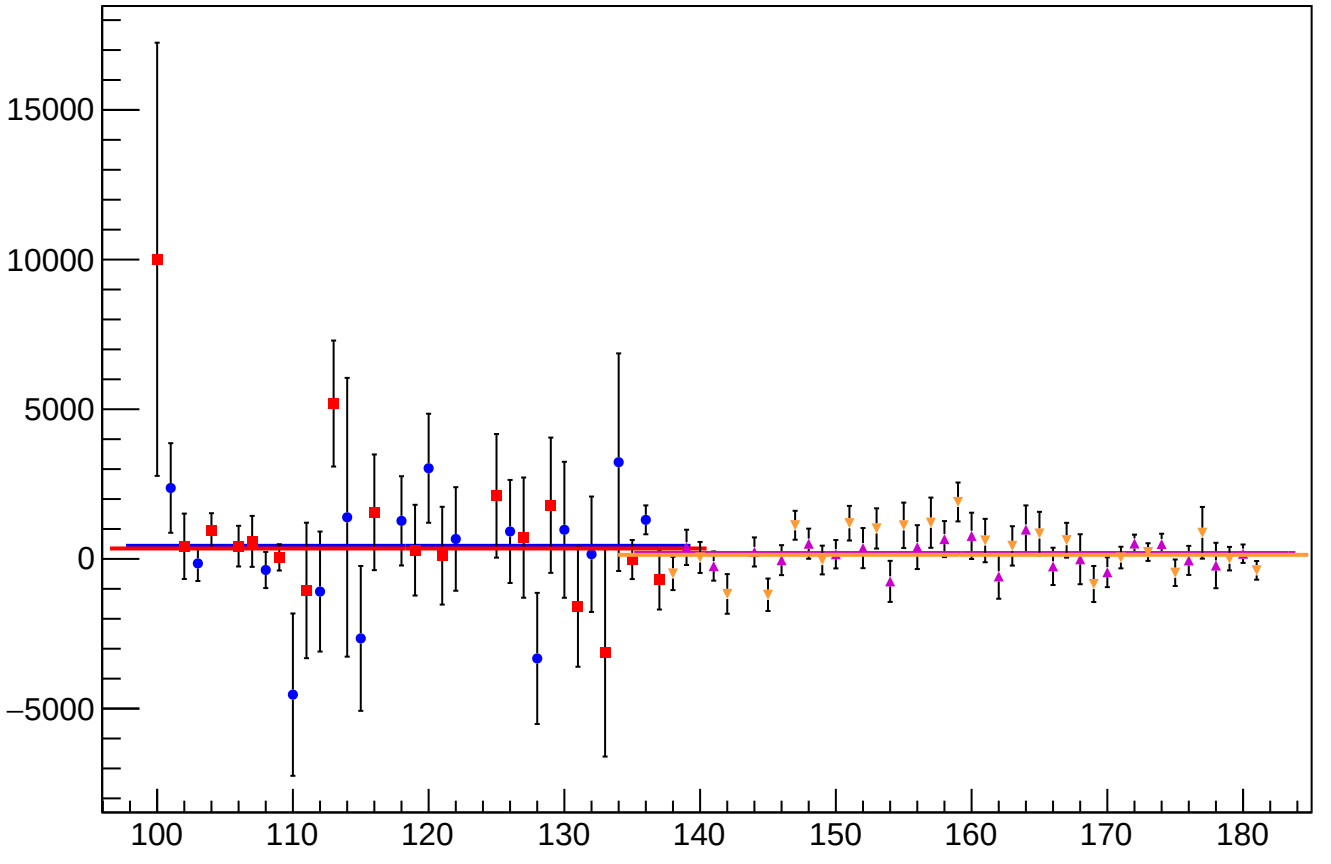
Right Out: 1394.171+/-0.375 χ^2/NDF: 393666.0/17

Left In: 1547.612+/-0.264 χ^2/NDF:164040.5/20

+ sign 1505.128+/-0.216 χ^2/NDF: 798540.3/37

All: 1500.927+/-0.153 χ^2/NDF: 1468954.5/76

- sign 1496.720+/-0.216 χ^2/NDF: 669655.5/38



Right In: 436.509+/-275.917 χ^2/NDF: 19.3/15

Left Out: 136.835+/-107.689 χ^2/NDF:41.8/21

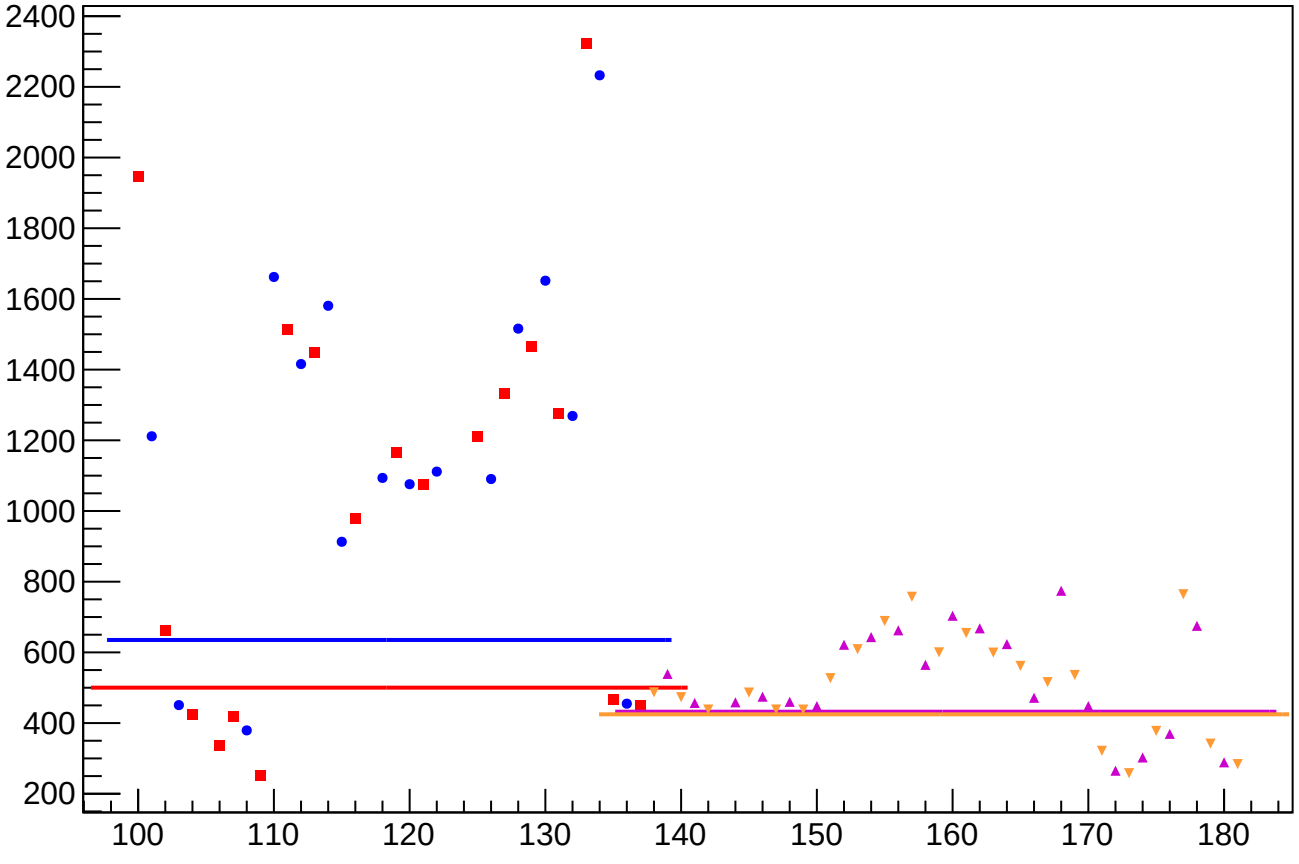
Right Out: 348.567+/-233.745 χ^2/NDF: 13.9/17

Left In: 195.946+/-110.272 χ^2/NDF:11.5/20

+ sign 176.450+/-100.319 χ^2/NDF: 62.2/37

All: 200.229+/-70.728 χ^2/NDF: 88.0/76

- sign 223.730+/-99.731 χ^2/NDF: 25.7/38



Right In: 635.135+/-0.195 χ^2/NDF: 3752583.4/15

Left Out: 424.763+/-0.076 χ^2/NDF:3150973.9/21

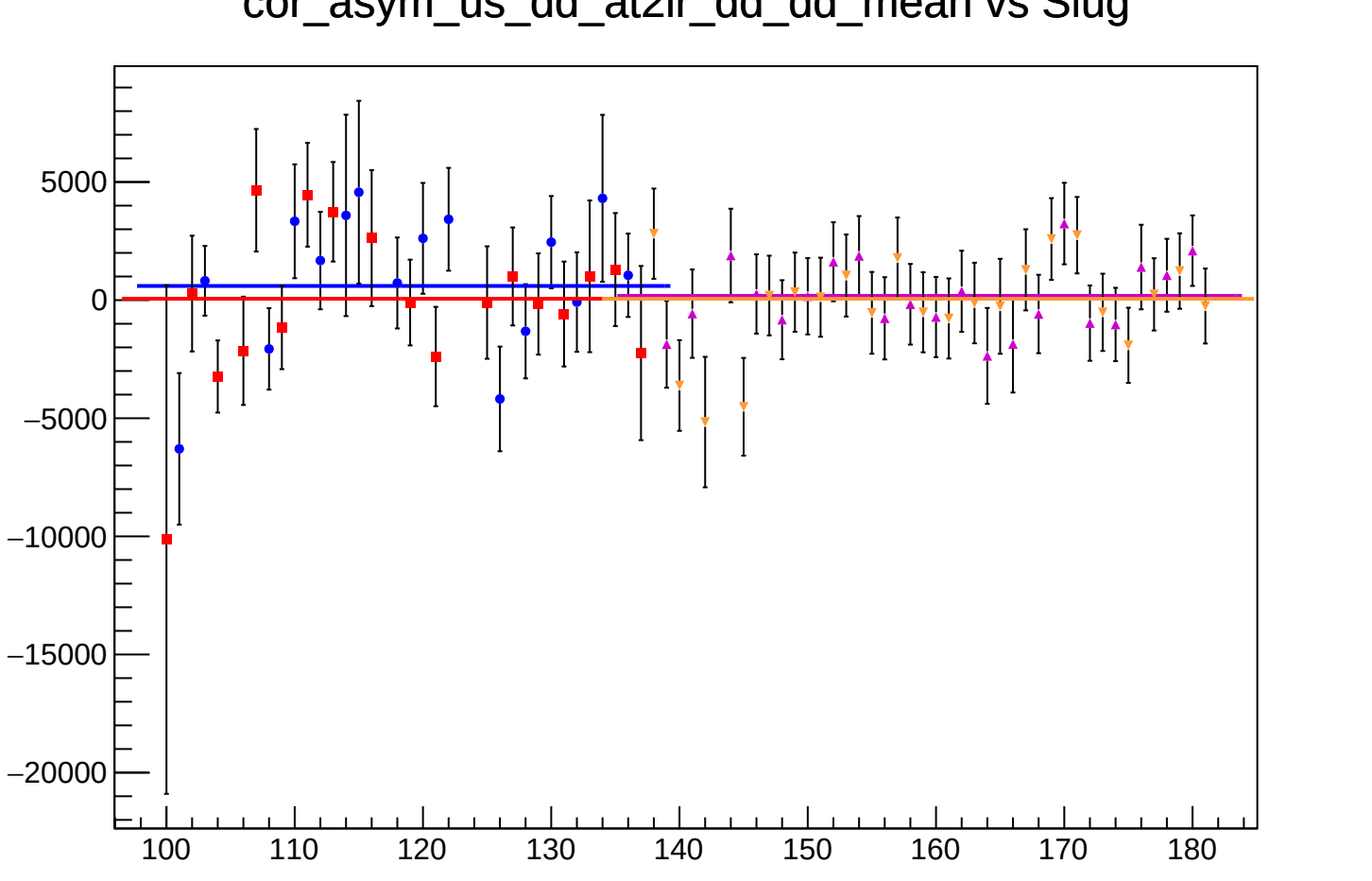
Right Out: 500.231+/-0.165 χ^2/NDF: 4309093.1/17

Left In: 432.136+/-0.078 χ^2/NDF:3243527.6/20

+ sign 452.573+/-0.071 χ^2/NDF: 7912515.8/37

All: 448.529+/-0.050 χ^2/NDF: 15610438.1/76

- sign 444.532+/-0.071 χ^2/NDF: 7691460.6/38



Right In: 600.020+/-540.053 χ^2/NDF: 20.3/15

Left Out: 54.877+/-369.864 χ^2/NDF:23.7/21

Right Out: 60.361+/-532.826 χ^2/NDF: 20.4/17

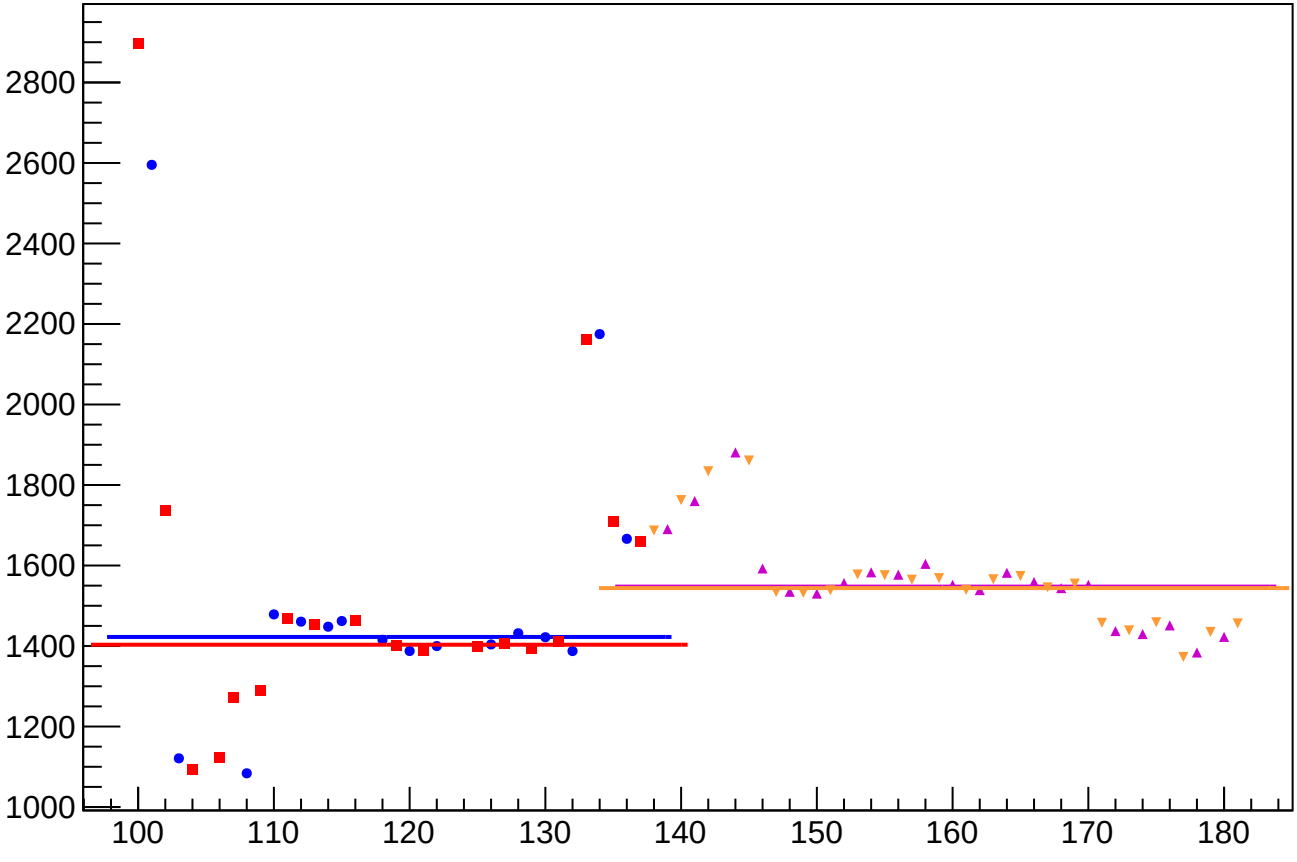
Left In: 181.142+/-373.511 χ^2/NDF:14.4/20

+ sign 228.932+/-305.158 χ^2/NDF: 44.8/37

All: 185.238+/-216.023 χ^2/NDF: 79.6/76

- sign 141.346+/-305.849 χ^2/NDF: 34.8/38

cor_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.5/15

Left Out: 1543.877+/-0.262 χ^2/NDF:169528.1/21

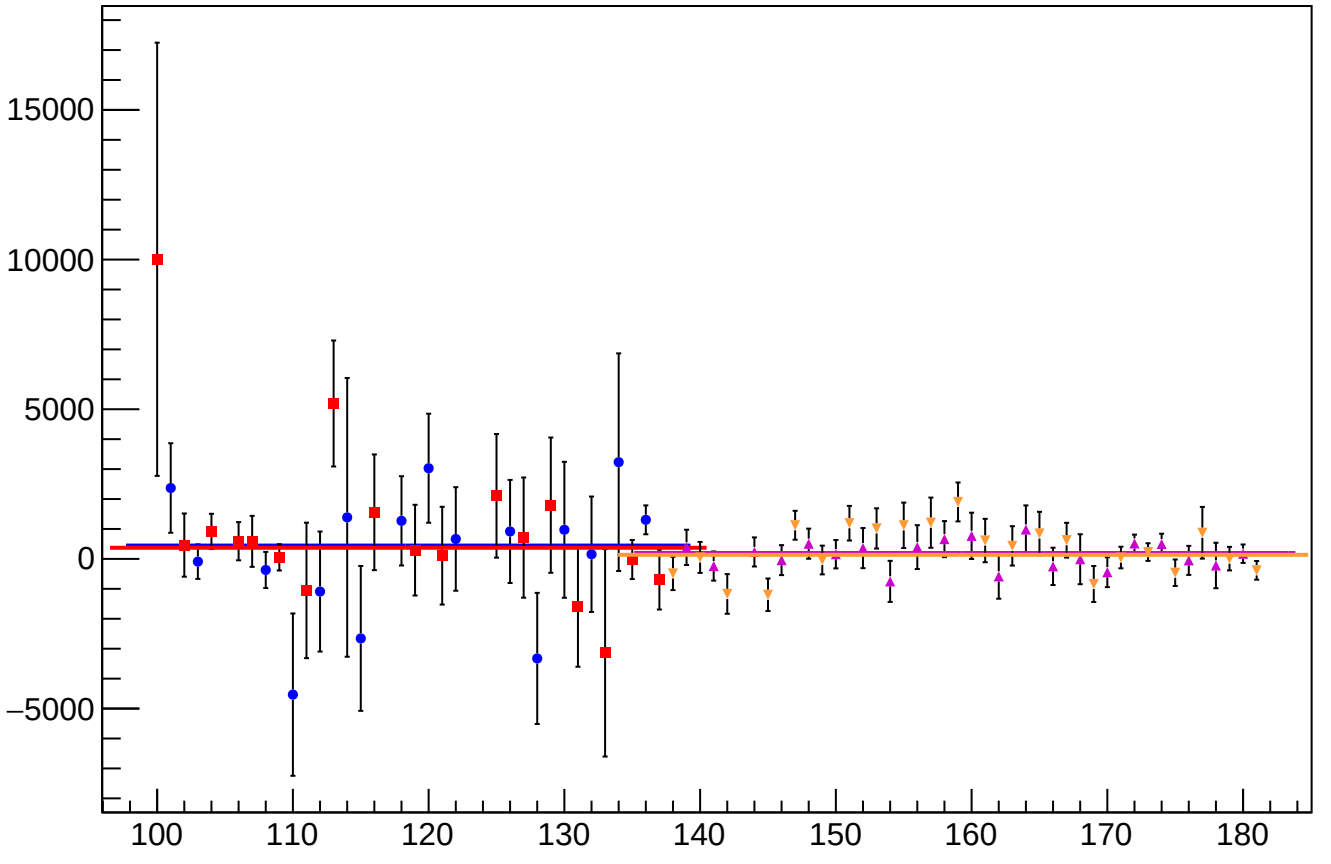
Right Out: 1403.220+/-0.377 χ^2/NDF: 359113.5/17

Left In: 1547.613+/-0.264 χ^2/NDF:164040.5/20

+ sign 1505.128+/-0.216 χ^2/NDF: 798540.7/37

All: 1502.588+/-0.153 χ^2/NDF: 1420454.6/76

- sign 1500.036+/-0.216 χ^2/NDF: 621636.2/38



Right In: 445.121+/-274.737 χ^2/NDF: 19.2/15

Left Out: 136.835+/-107.690 χ^2/NDF:41.8/21

Right Out: 372.538+/-231.353 χ^2/NDF: 14.0/17

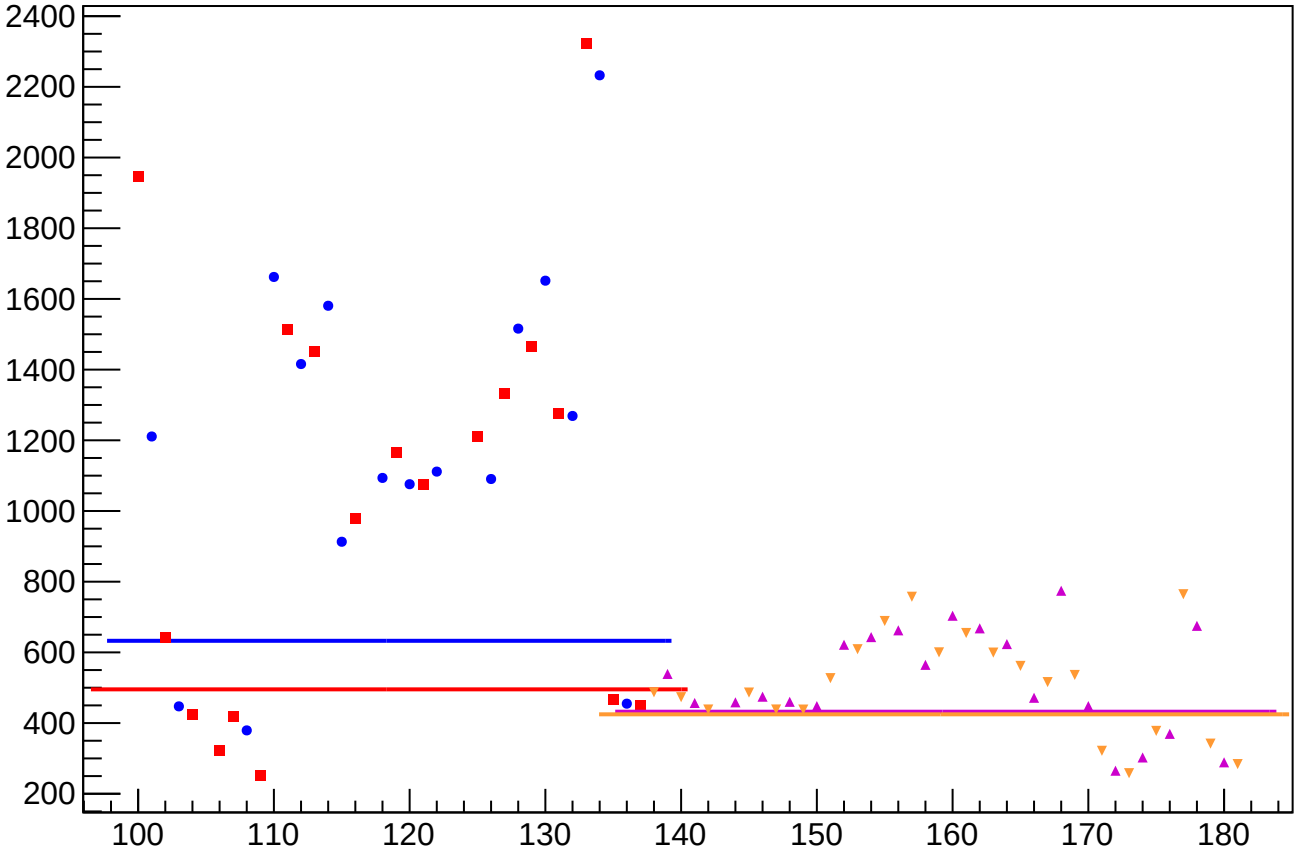
Left In: 196.129+/-110.272 χ^2/NDF:11.5/20

+ sign 177.893+/-100.262 χ^2/NDF: 62.1/37

All: 203.524+/-70.641 χ^2/NDF: 88.2/76

- sign 228.787+/-99.543 χ^2/NDF: 26.0/38

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: 424.762+/-0.076 χ^2/NDF:3151201.1/21

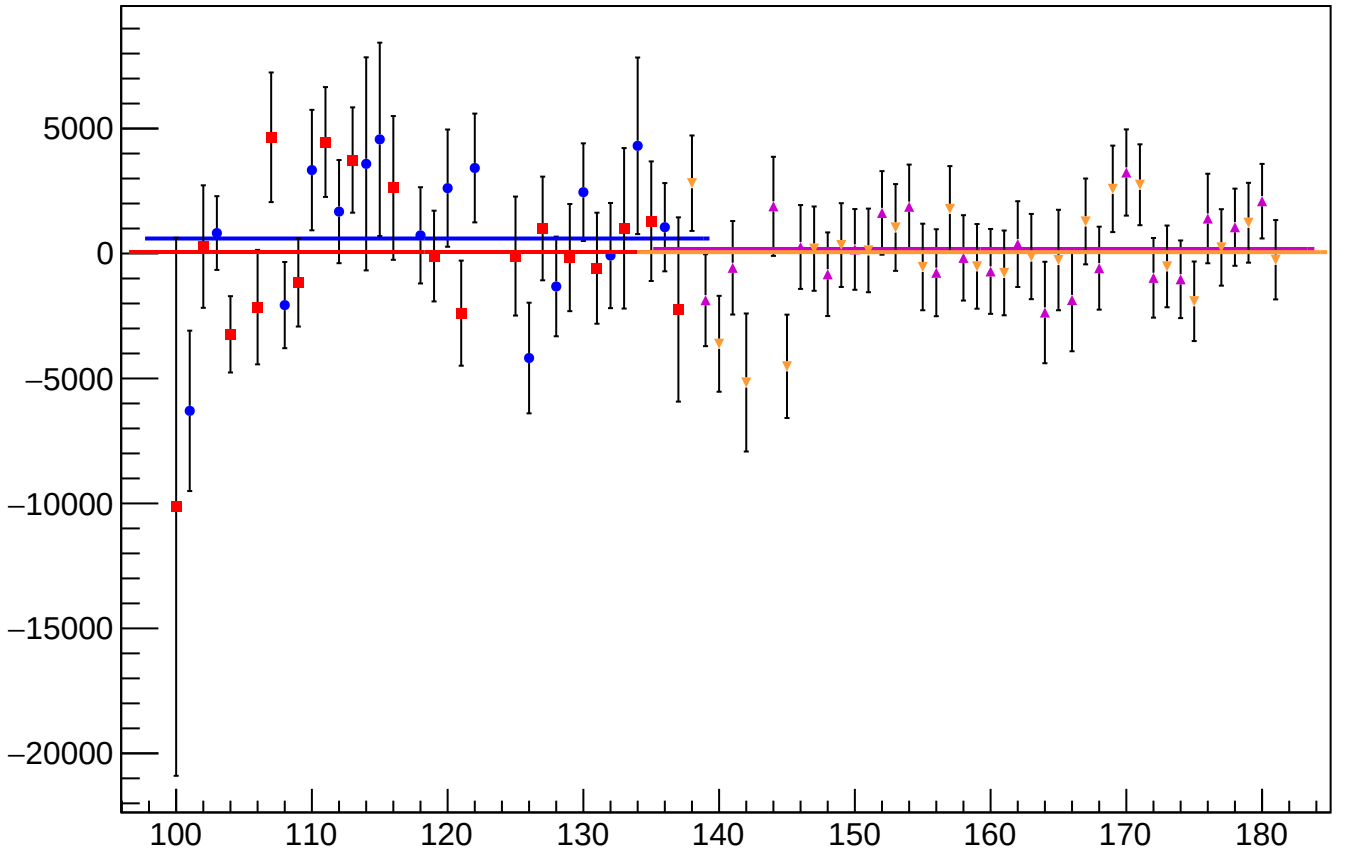
Right Out: 495.380+/-0.164 χ^2/NDF: 4337484.8/17

Left In: 432.136+/-0.078 χ^2/NDF:3243401.2/20

+ sign 452.462+/-0.071 χ^2/NDF: 7912533.3/37

All: 448.122+/-0.050 χ^2/NDF: 15622647.6/76

- sign 443.845+/-0.070 χ^2/NDF: 7702673.2/38



Right In: 600.020+/-540.053 χ^2/NDF: 20.3/15

Left Out: 54.877+/-369.864 χ^2/NDF:23.7/21

Right Out: 60.361+/-532.826 χ^2/NDF: 20.4/17

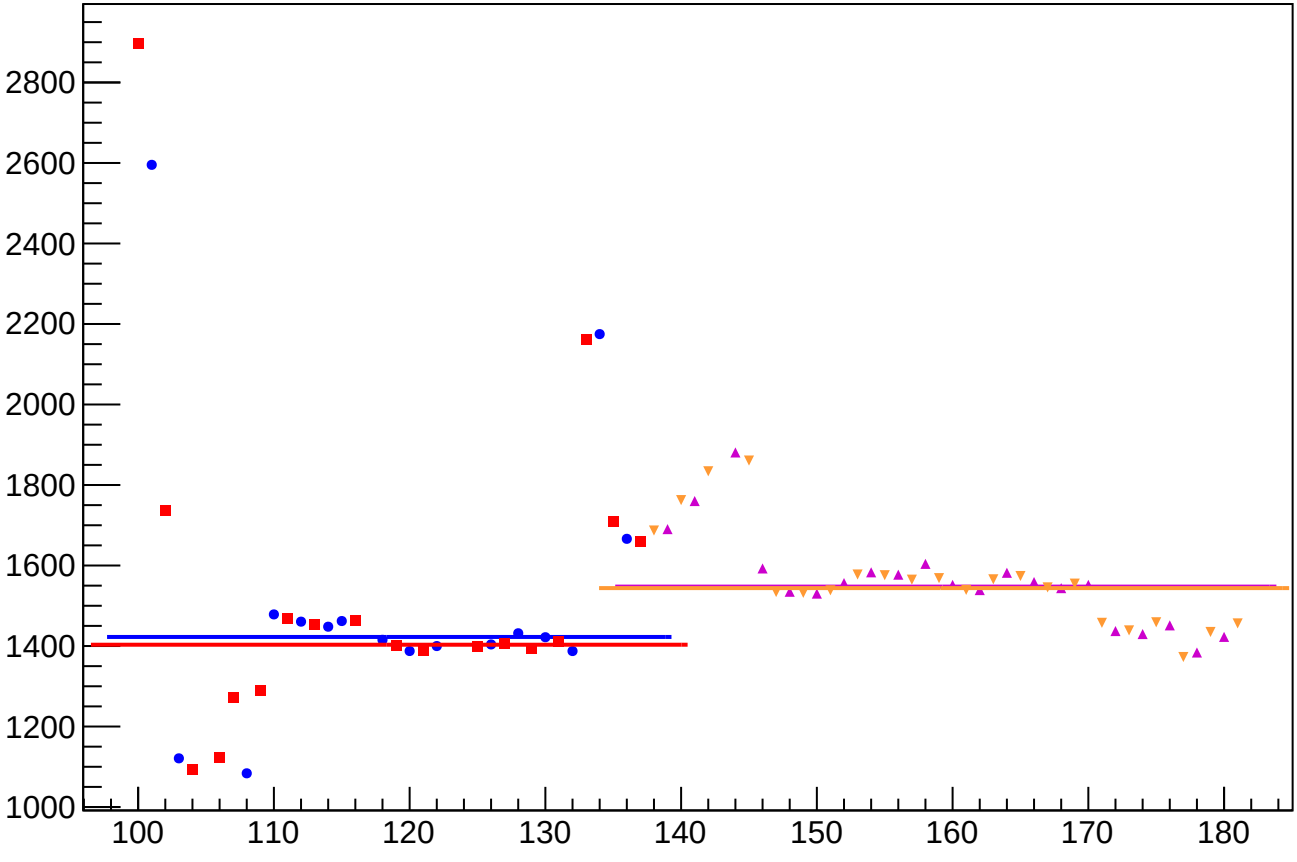
Left In: 181.142+/-373.511 χ^2/NDF:14.4/20

+ sign 228.932+/-305.158 χ^2/NDF: 44.8/37

All: 185.238+/-216.023 χ^2/NDF: 79.6/76

- sign 141.346+/-305.849 χ^2/NDF: 34.8/38

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: 1543.877+/-0.262 χ^2/NDF:169528.1/21

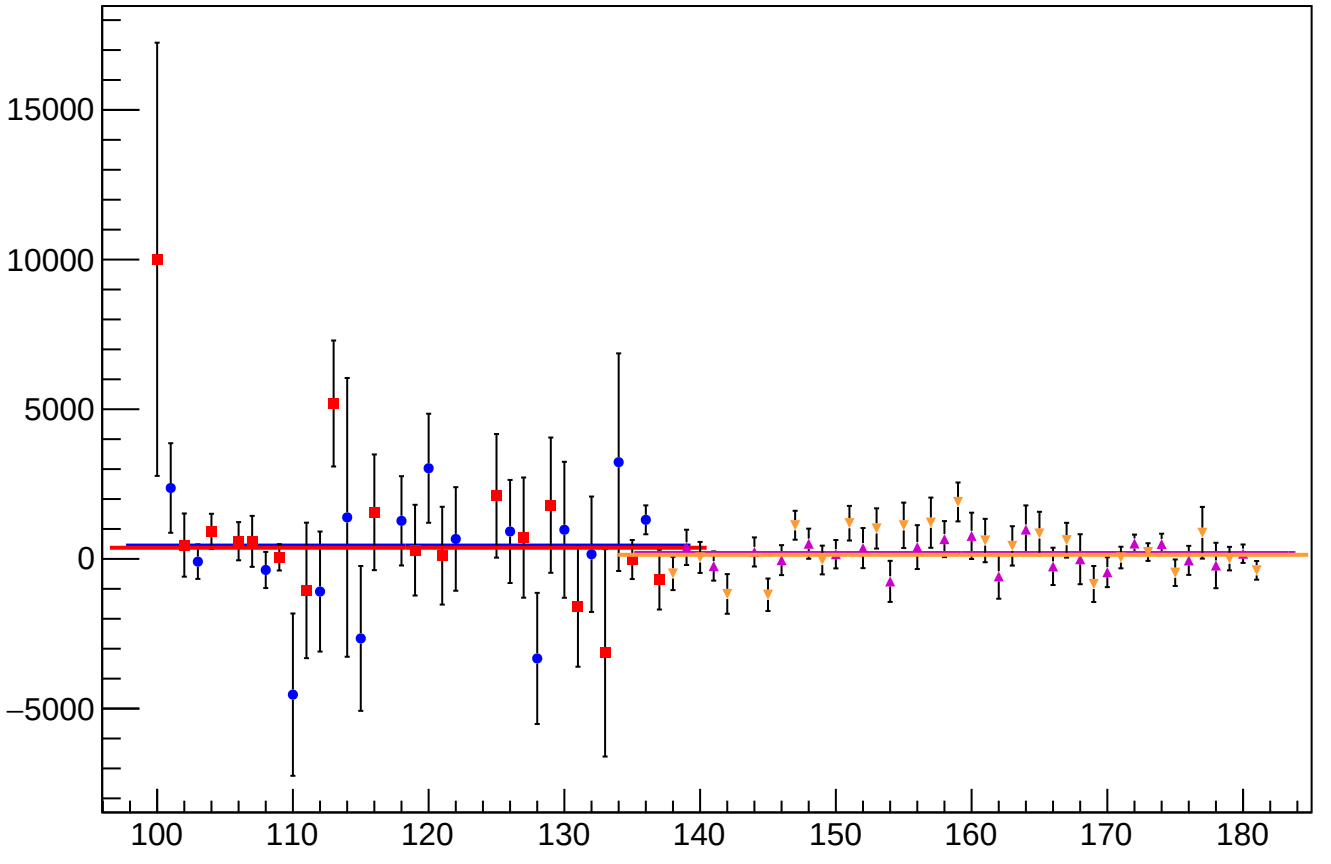
Right Out: 1403.220+/-0.377 χ^2/NDF: 359113.5/17

Left In: 1547.613+/-0.264 χ^2/NDF:164040.5/20

+ sign 1505.128+/-0.216 χ^2/NDF: 798540.7/37

All: 1502.588+/-0.153 χ^2/NDF: 1420454.6/76

- sign 1500.036+/-0.216 χ^2/NDF: 621636.2/38



Right In: 445.121+/-274.737 χ^2/NDF: 19.2/15

Left Out: 136.835+/-107.690 χ^2/NDF:41.8/21

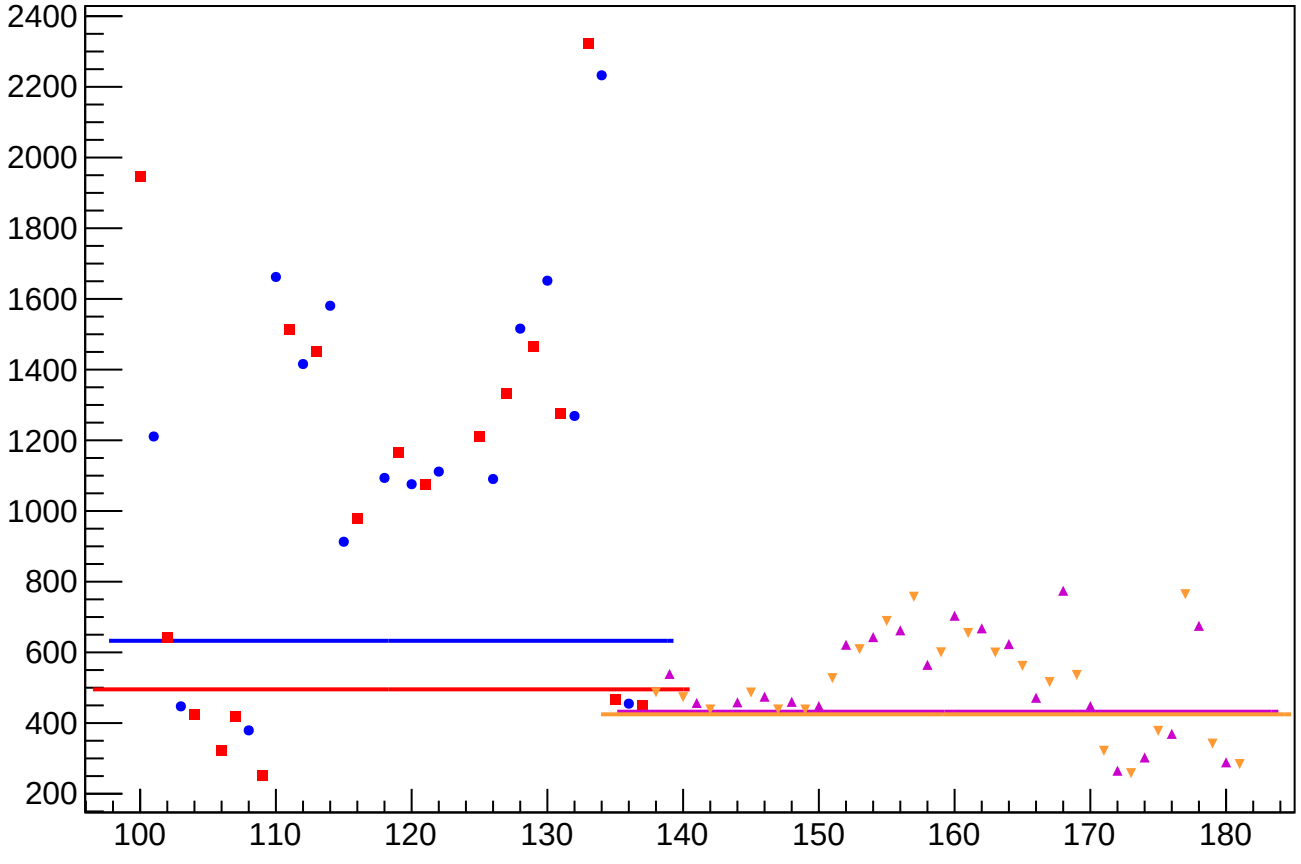
Right Out: 372.538+/-231.353 χ^2/NDF: 14.0/17

Left In: 196.129+/-110.272 χ^2/NDF:11.5/20

\+ sign 177.893+/-100.262 χ^2/NDF: 62.1/37

All: 203.524+/-70.641 χ^2/NDF: 88.2/76

\- sign 228.787+/-99.543 χ^2/NDF: 26.0/38



Right In: 632.753+/-0.194 χ^2/NDF: 3767731.7/15

Left Out: 424.762+/-0.076 χ^2/NDF:3151201.1/21

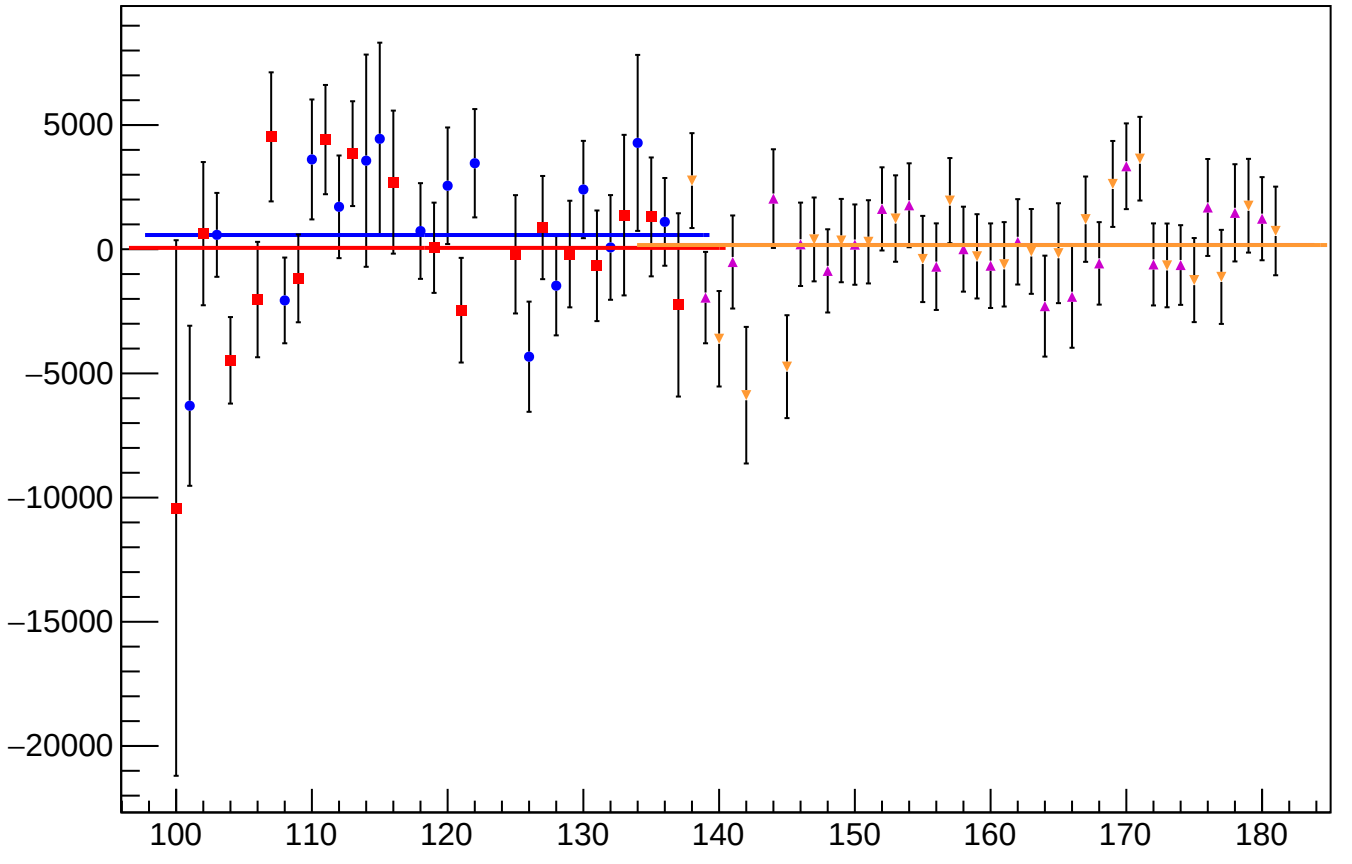
Right Out: 495.380+/-0.164 χ^2/NDF: 4337484.8/17

Left In: 432.136+/-0.078 χ^2/NDF:3243401.2/20

+ sign 452.462+/-0.071 χ^2/NDF: 7912533.3/37

All: 448.122+/-0.050 χ^2/NDF: 15622647.6/76

- sign 443.845+/-0.070 χ^2/NDF: 7702673.2/38



Right In: 572.289+/-549.638 χ^2/NDF: 20.8/15

Left Out: 168.680+/-381.840 χ^2/NDF:26.9/21

Right Out: 53.754+/-545.353 χ^2/NDF: 22.5/17

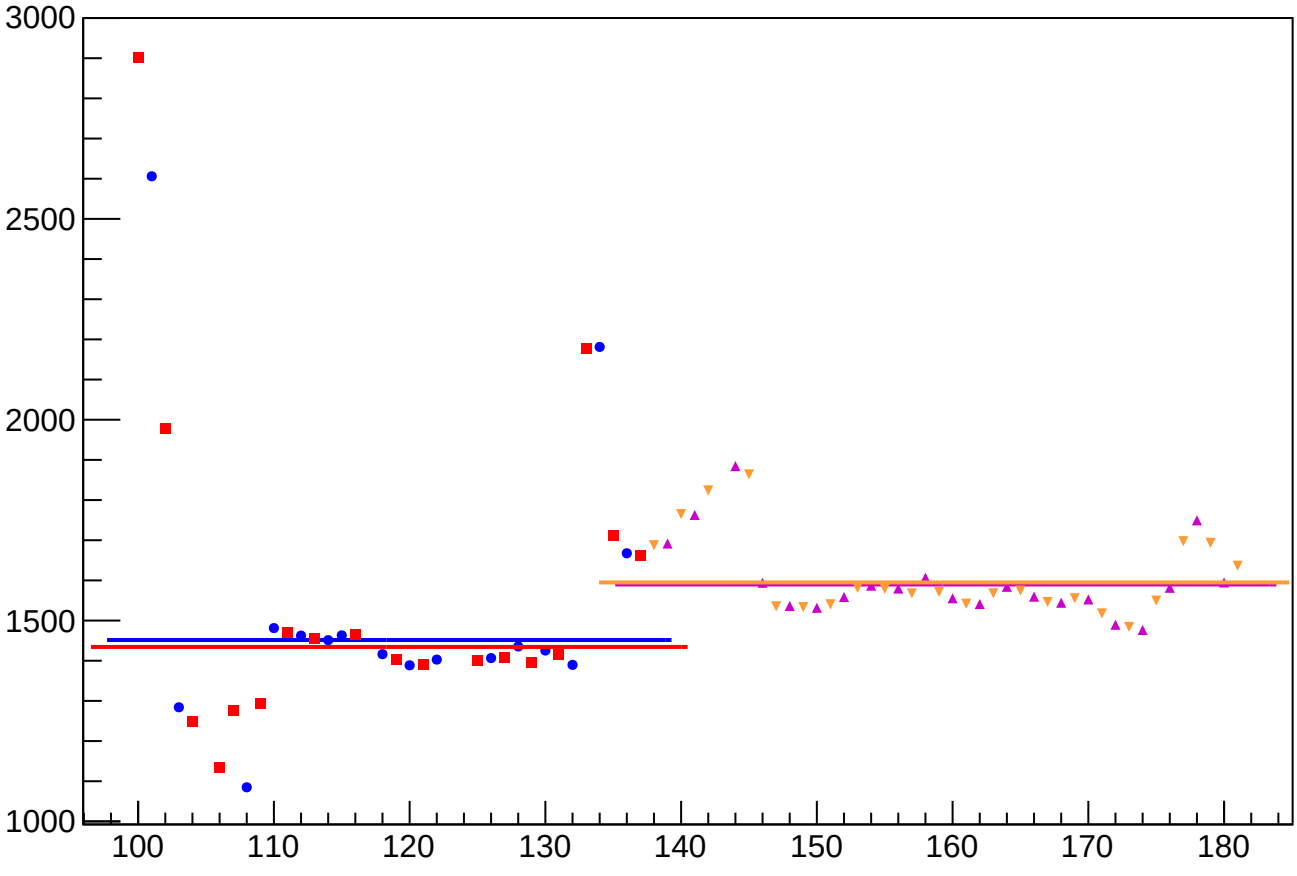
Left In: 171.138+/-383.457 χ^2/NDF:12.9/20

\+ sign 300.063+/-313.593 χ^2/NDF: 48.0/37

All: 216.206+/-221.773 χ^2/NDF: 83.6/76

\- sign 132.303+/-313.678 χ^2/NDF: 35.4/38

dit_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1451.579+/-0.389 χ^2/NDF: 487836.7/15

Left Out: 1594.933+/-0.270 χ^2/NDF:108365.7/21

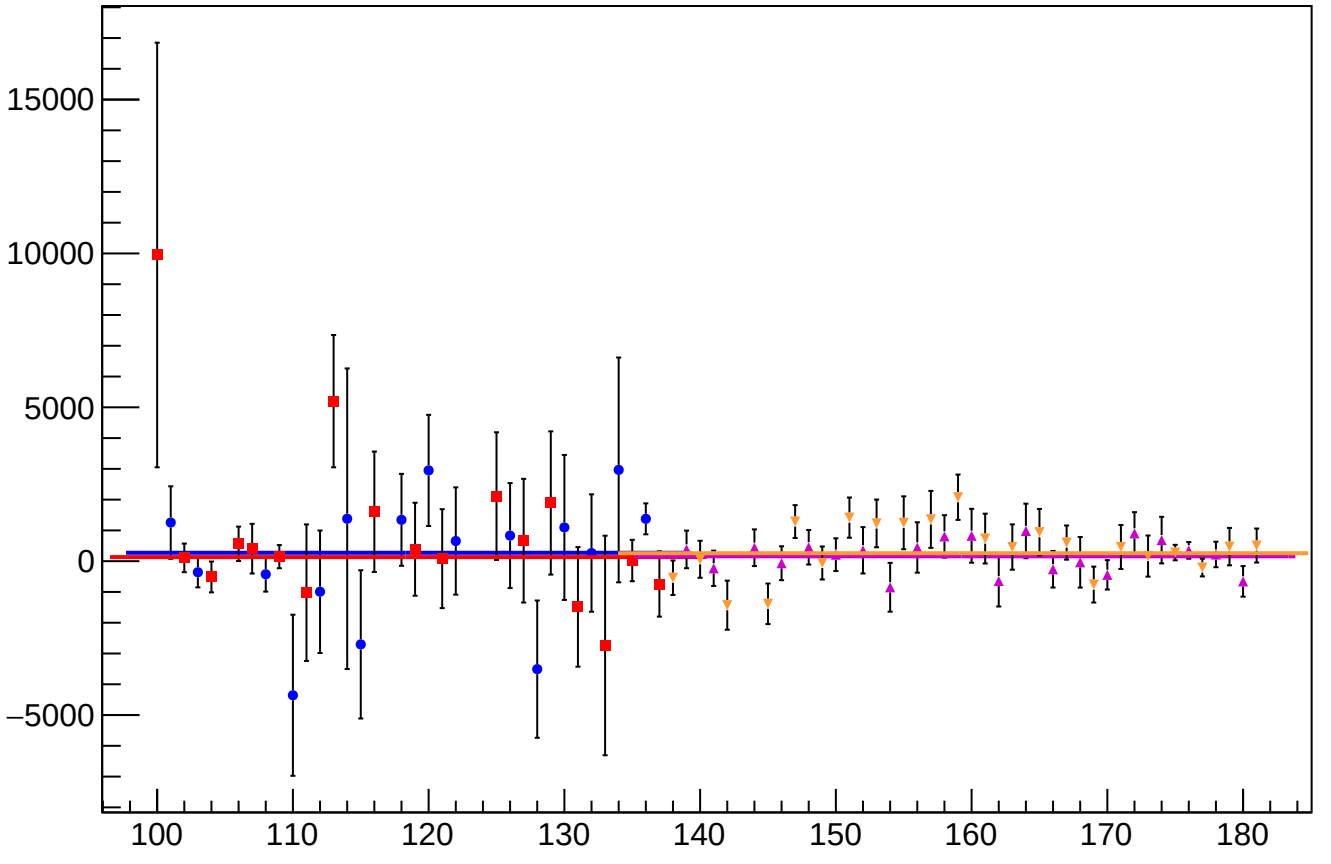
Right Out: 1434.321+/-0.386 χ^2/NDF: 328590.5/17

Left In: 1589.795+/-0.271 χ^2/NDF:108782.7/20

+ sign 1548.269+/-0.222 χ^2/NDF: 687965.3/37

All: 1543.315+/-0.157 χ^2/NDF: 1235110.5/76

- sign 1538.359+/-0.222 χ^2/NDF: 546146.8/38



Right In: 273.439+/-260.537 χ^2/NDF: 20.2/15

Left Out: 258.676+/-115.731 χ^2/NDF:38.2/21

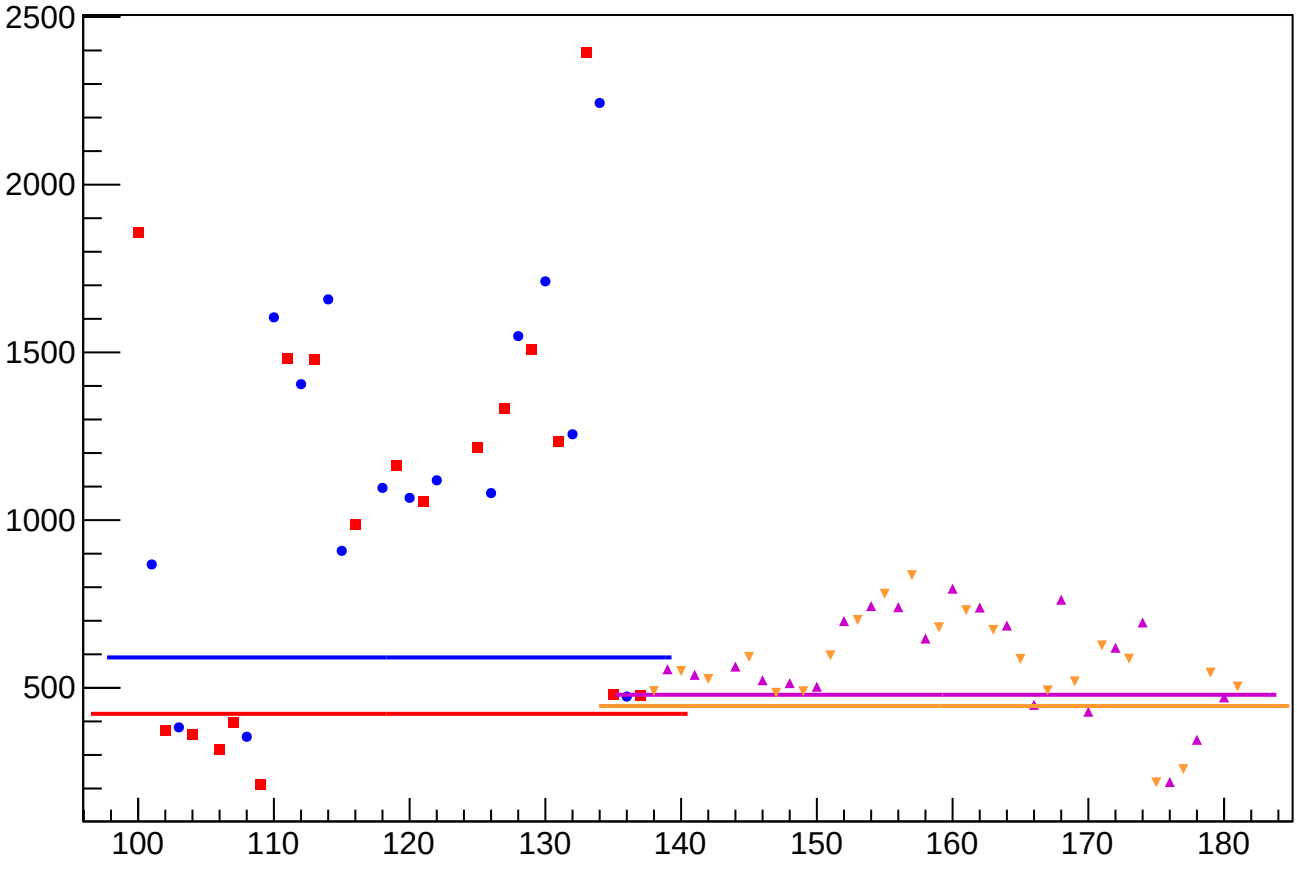
Right Out: 132.573+/-195.933 χ^2/NDF: 14.4/17

Left In: 157.008+/-123.520 χ^2/NDF:13.3/20

+ sign 261.109+/-105.766 χ^2/NDF: 58.4/37

All: 204.910+/-74.332 χ^2/NDF: 86.7/76

- sign 150.059+/-104.489 χ^2/NDF: 27.8/38



Right In: 590.749+/-0.184 χ^2/NDF: 3885502.1/15

Left Out: 445.960+/-0.082 χ^2/NDF:4752441.6/21

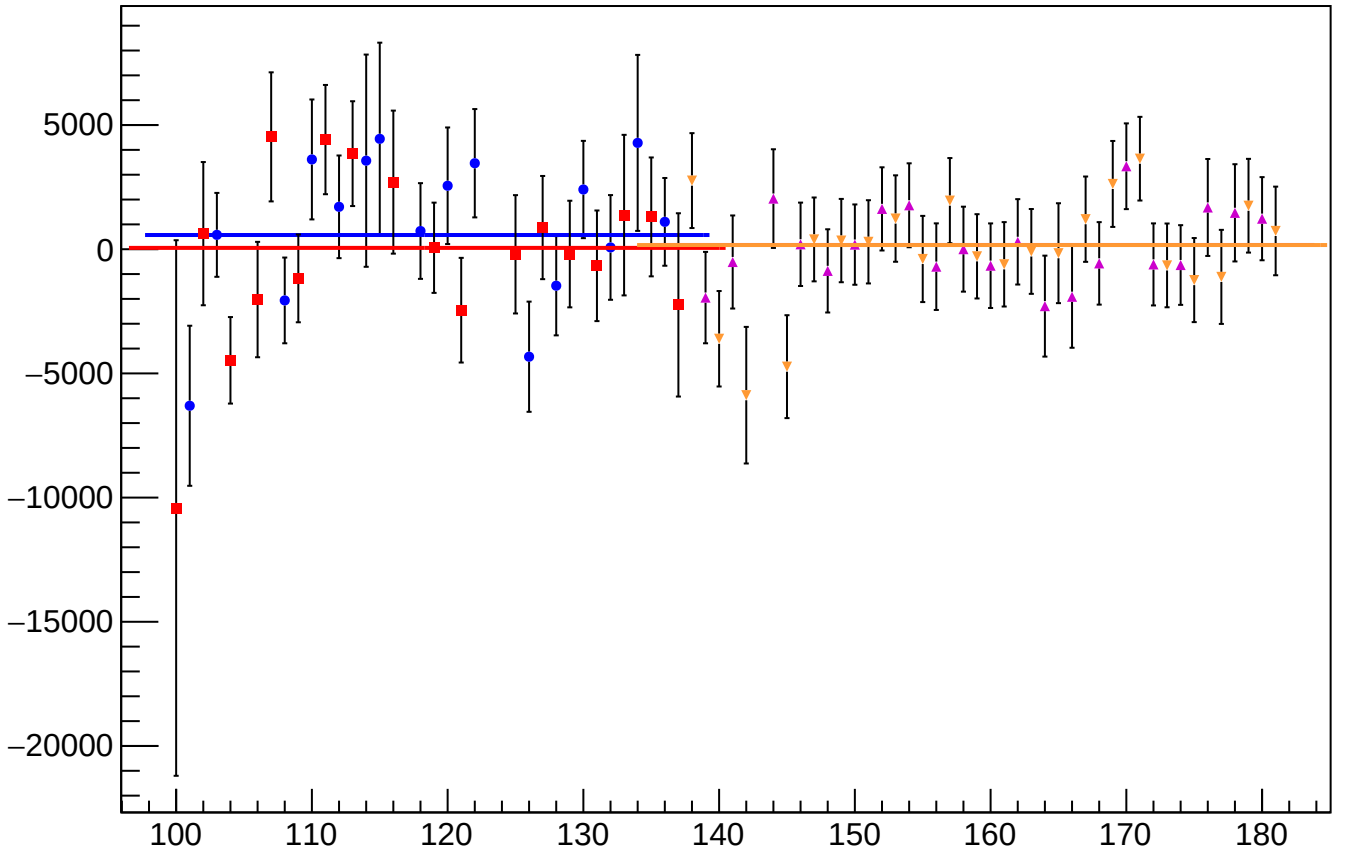
Right Out: 422.629+/-0.139 χ^2/NDF: 4858014.6/17

Left In: 479.353+/-0.087 χ^2/NDF:3961155.5/20

+ sign 469.821+/-0.075 χ^2/NDF: 9153832.8/37

All: 466.481+/-0.053 χ^2/NDF: 18096900.3/76

- sign 463.221+/-0.074 χ^2/NDF: 8939126.0/38



Right In: 572.290+/-549.638 χ^2/NDF: 20.8/15

Left Out: 168.676+/-381.840 χ^2/NDF:26.9/21

Right Out: 53.752+/-545.353 χ^2/NDF: 22.5/17

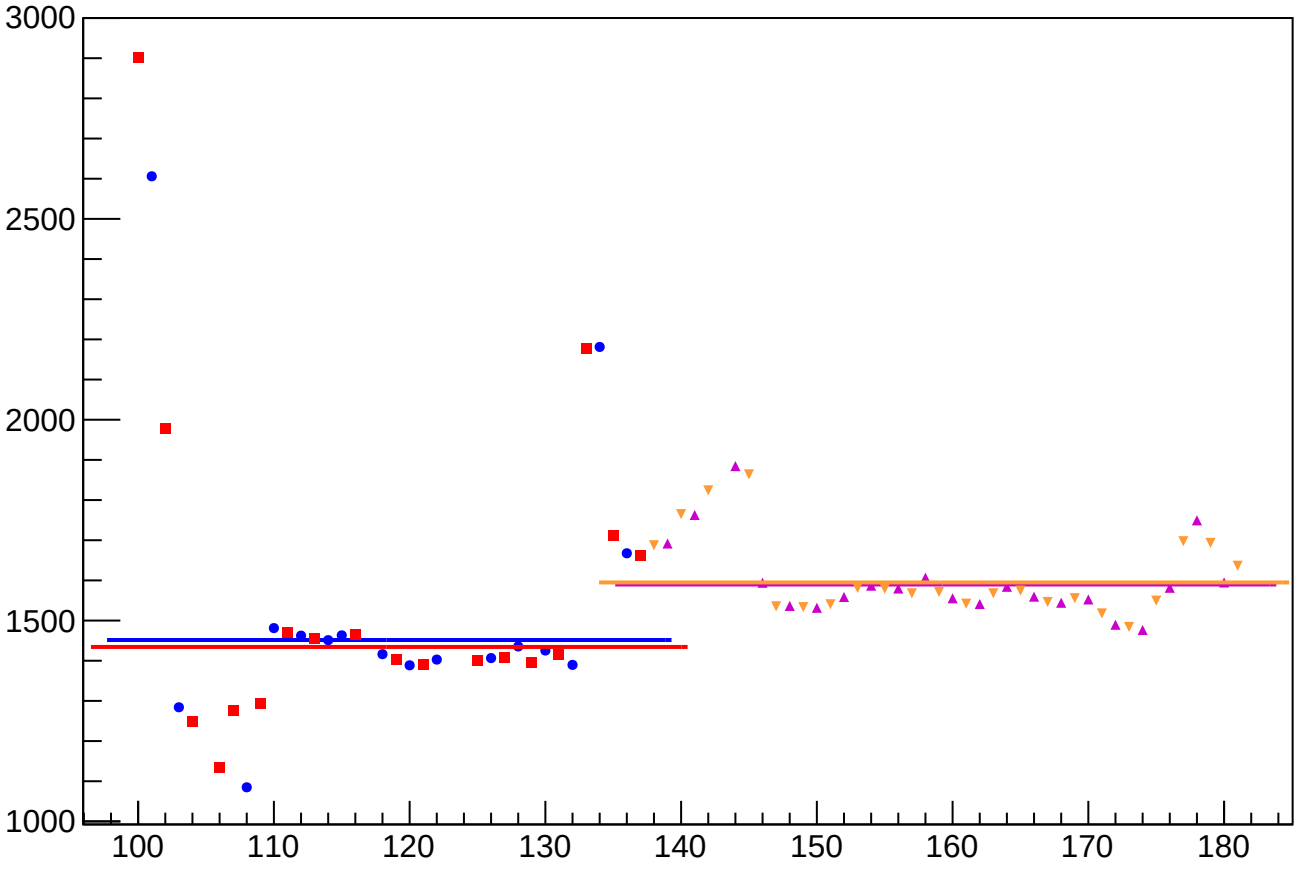
Left In: 171.136+/-383.457 χ^2/NDF:12.9/20

+ sign 300.061+/-313.593 χ^2/NDF: 48.0/37

All: 216.204+/-221.773 χ^2/NDF: 83.6/76

- sign 132.302+/-313.677 χ^2/NDF: 35.4/38

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: 1594.933+/-0.270 χ^2/NDF:108366.3/21

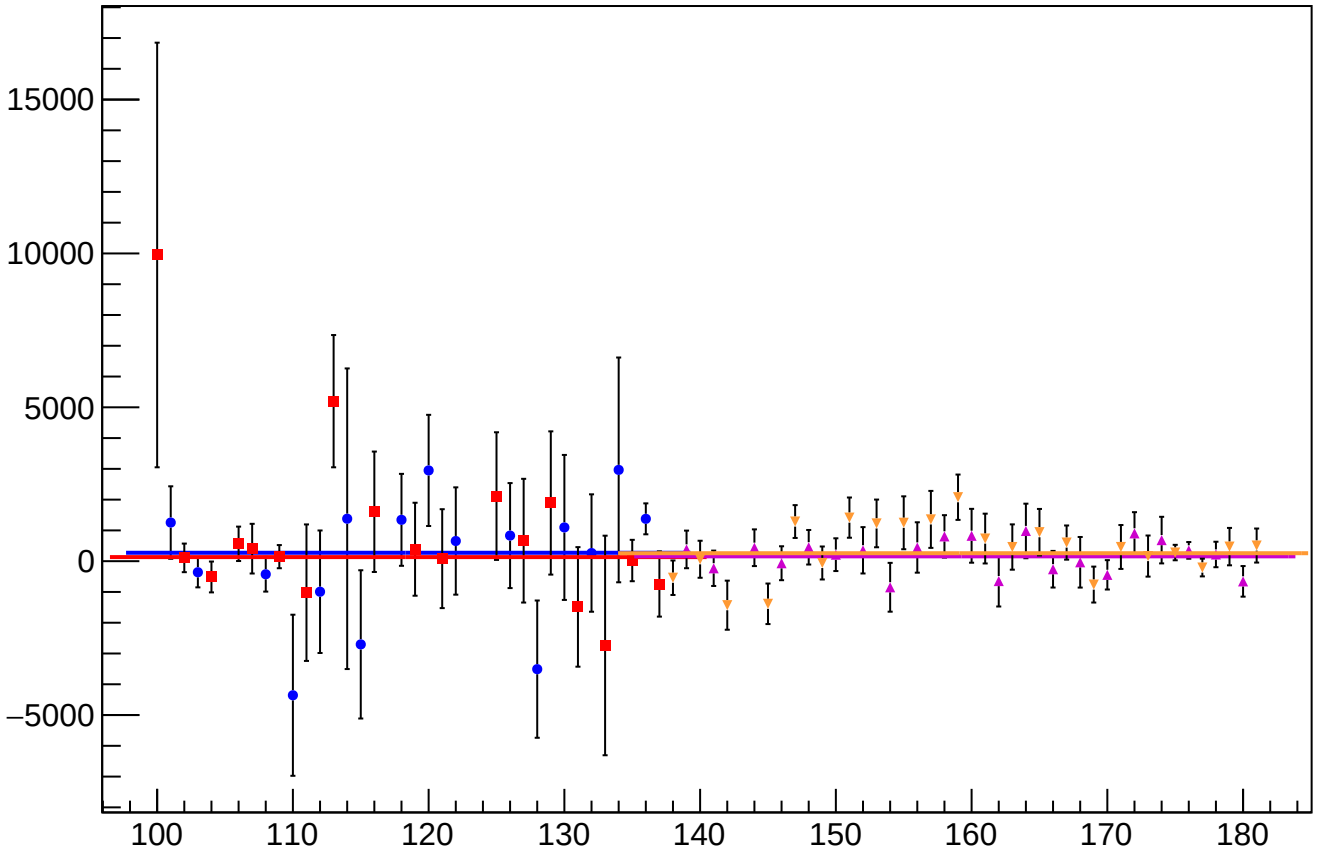
Right Out: 1434.321+/-0.386 χ^2/NDF: 328590.5/17

Left In: 1589.795+/-0.271 χ^2/NDF:108783.1/20

+ sign 1548.268+/-0.222 χ^2/NDF: 687965.1/37

All: 1543.315+/-0.157 χ^2/NDF: 1235110.2/76

- sign 1538.358+/-0.222 χ^2/NDF: 546146.7/38



Right In: 273.429+/-260.536 χ^2/NDF: 20.2/15

Left Out: 258.683+/-115.732 χ^2/NDF:38.2/21

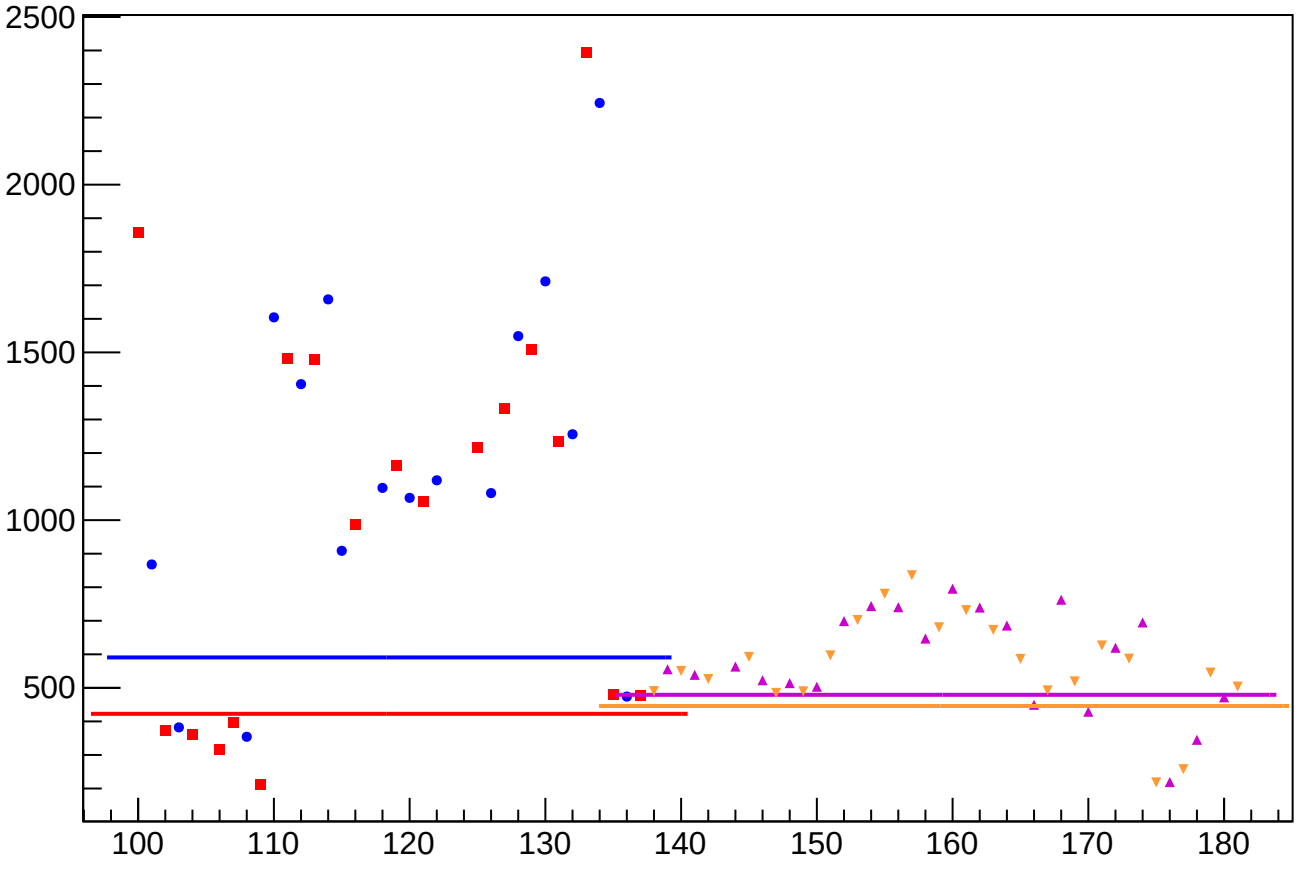
Right Out: 132.567+/-195.935 χ^2/NDF: 14.4/17

Left In: 157.007+/-123.520 χ^2/NDF:13.3/20

+ sign 261.113+/-105.767 χ^2/NDF: 58.4/37

All: 204.910+/-74.333 χ^2/NDF: 86.7/76

- sign 150.057+/-104.490 χ^2/NDF: 27.8/38



Right In: 590.747+/-0.184 χ^2/NDF: 3885530.6/15

Left Out: 445.963+/-0.082 χ^2/NDF:4752294.1/21

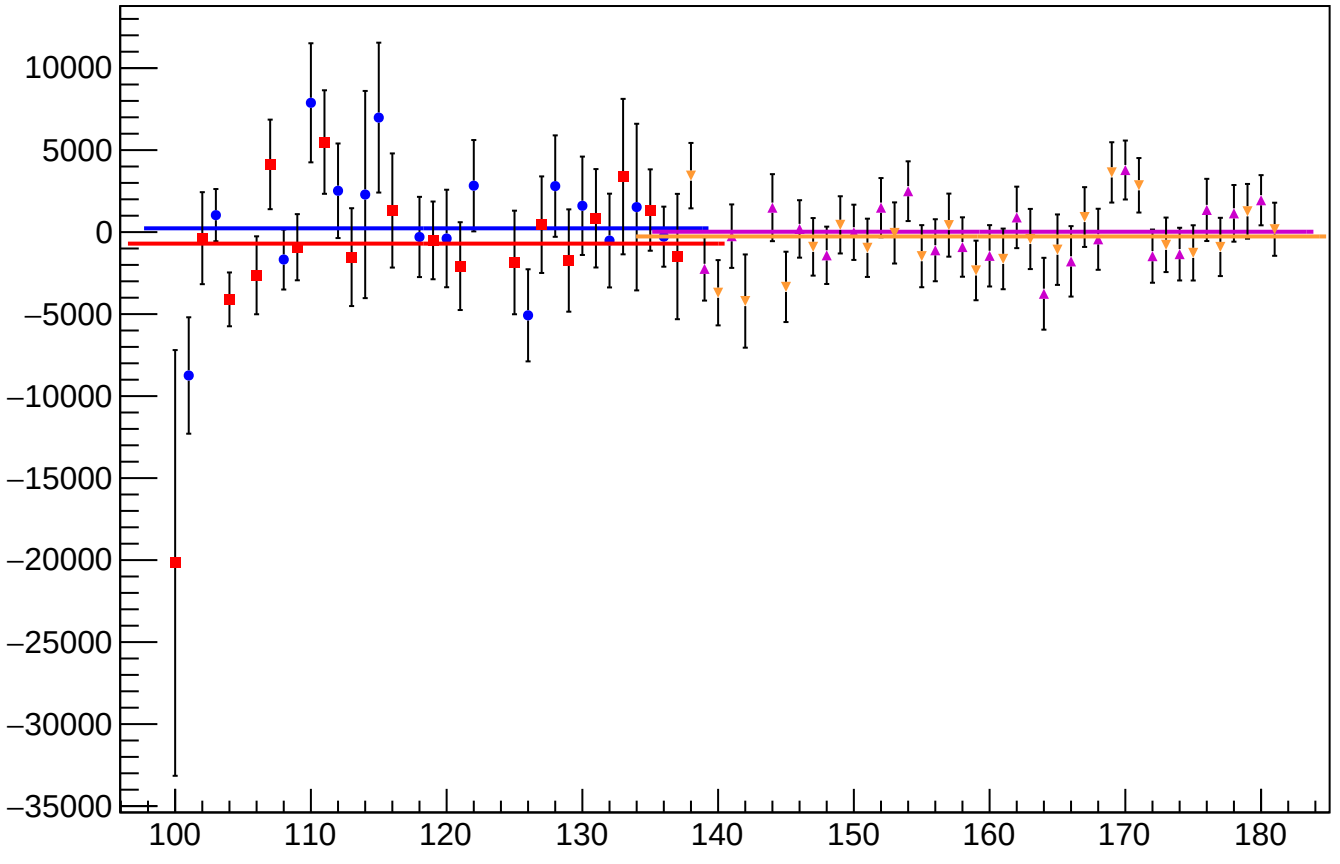
Right Out: 422.634+/-0.139 χ^2/NDF: 4857932.7/17

Left In: 479.355+/-0.087 χ^2/NDF:3961068.3/20

+ sign 469.824+/-0.075 χ^2/NDF: 9153674.9/37

All: 466.484+/-0.053 χ^2/NDF: 18096555.9/76

- sign 463.224+/-0.074 χ^2/NDF: 8938939.4/38



Right In: 230.761+/-666.241 χ^2/NDF: 20.7/15

Left Out: -265.239+/-392.459 χ^2/NDF:23.4/21

Right Out: -702.268+/-648.319 χ^2/NDF: 17.0/17

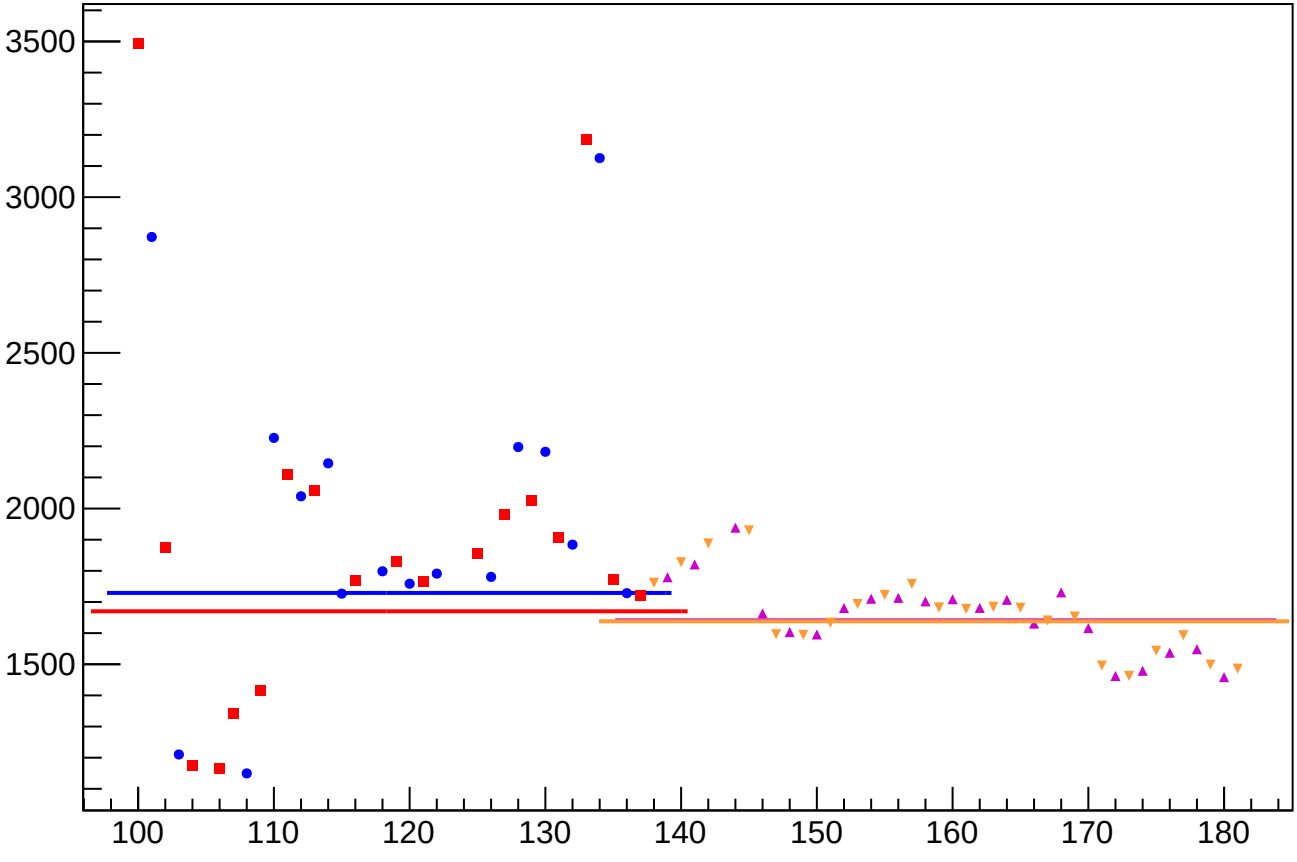
Left In: 22.465+/-396.121 χ^2/NDF:18.7/20

+ sign -137.465+/-338.151 χ^2/NDF: 44.5/37

All: -156.011+/-239.063 χ^2/NDF: 81.2/76

- sign -174.543+/-338.020 χ^2/NDF: 36.7/38

asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1729.050+/-0.471 χ^2/NDF: 942079.1/15

Left Out: 1637.919+/-0.278 χ^2/NDF:174849.3/21

Right Out: 1670.056+/-0.458 χ^2/NDF: 744452.0/17

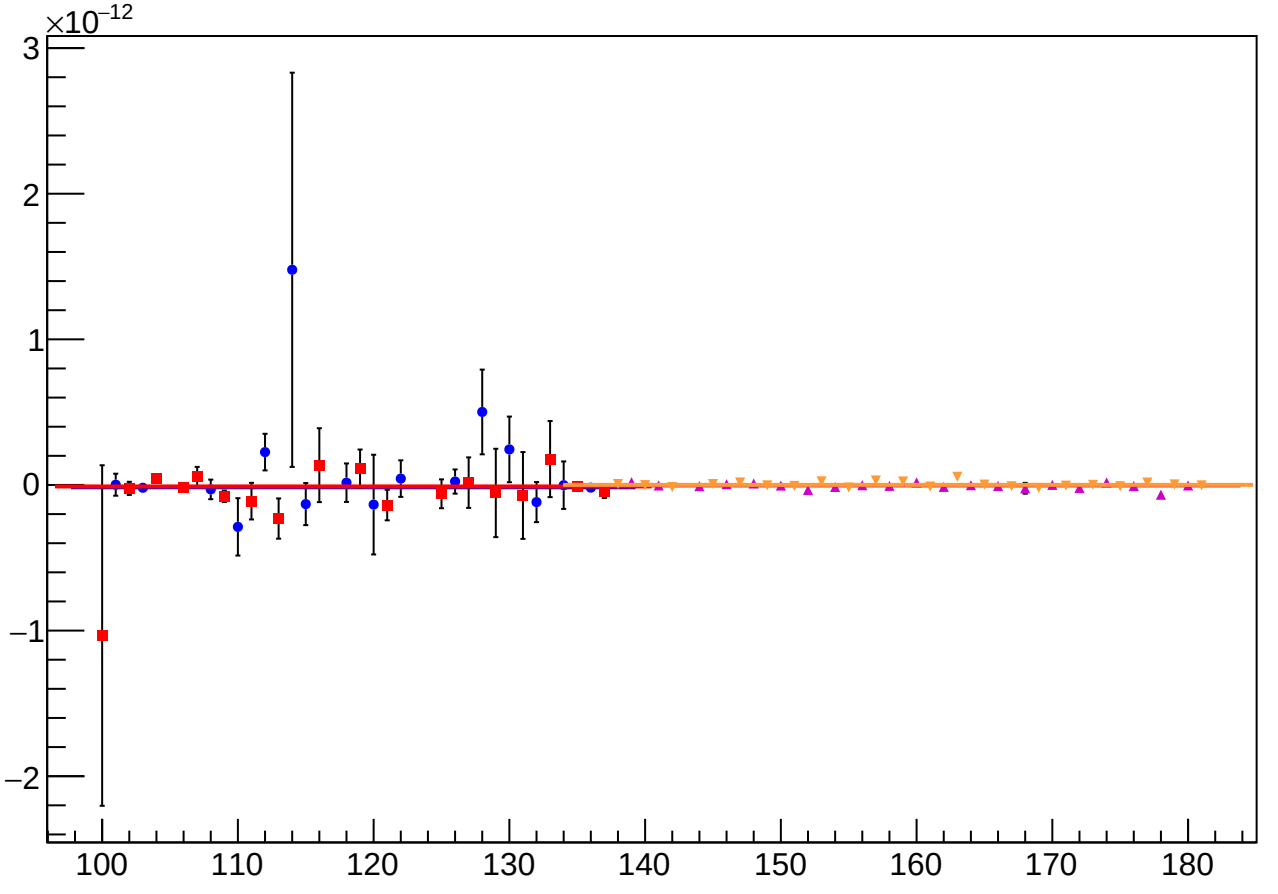
Left In: 1640.930+/-0.280 χ^2/NDF:176815.2/20

+ sign 1661.395+/-0.239 χ^2/NDF: 1144708.3/37

All: 1655.119+/-0.169 χ^2/NDF: 2070292.5/76

- sign 1648.847+/-0.239 χ^2/NDF: 924206.7/38

asym_us_dd_at2lr_dd_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 13.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:16.8/21

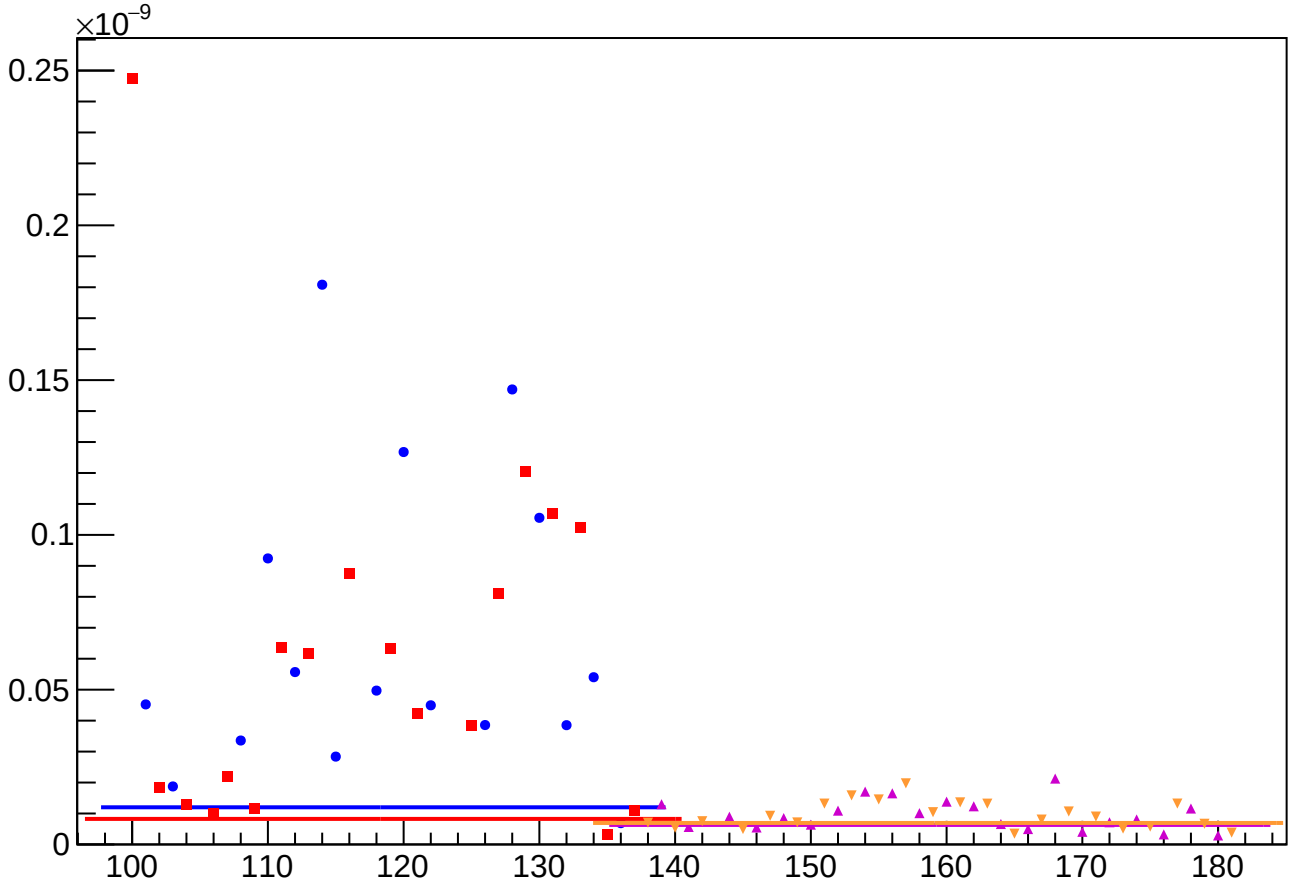
Right Out: -0.000+/-0.000 χ^2/NDF: 16.4/17

Left In: -0.000+/-0.000 χ^2/NDF:18.1/20

+ sign -0.000+/-0.000 χ^2/NDF: 32.6/37

All: -0.000+/-0.000 χ^2/NDF: 68.5/76

- sign -0.000+/-0.000 χ^2/NDF: 35.1/38



Right In: 0.000+/-0.000 χ^2/NDF: 3425893.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:2234282.2/21

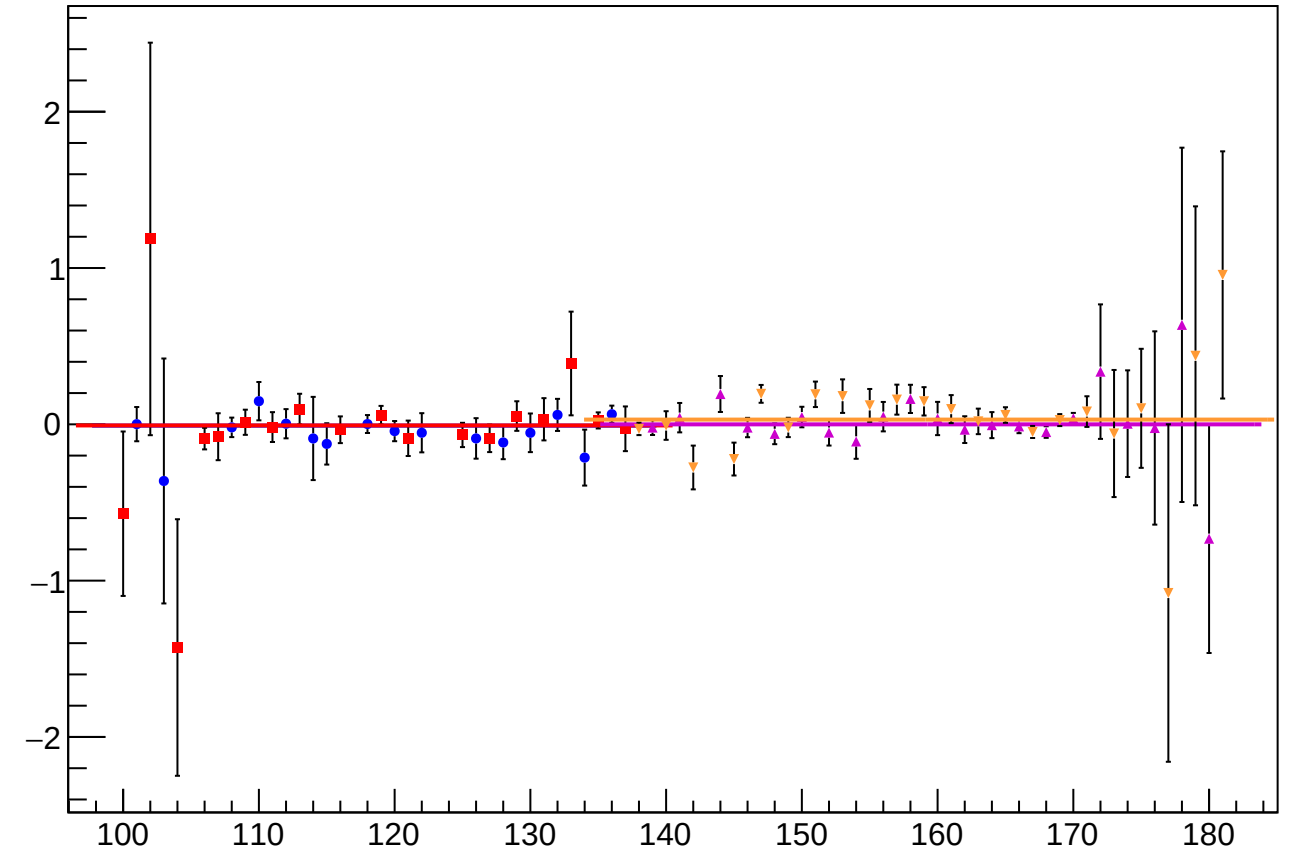
Right Out: 0.000+/-0.000 χ^2/NDF: 3510130.7/17

Left In: 0.000+/-0.000 χ^2/NDF:2884777.6/20

+ sign 0.000+/-0.000 χ^2/NDF: 6108635.1/37

All: 0.000+/-0.000 χ^2/NDF: 12688504.3/76

- sign 0.000+/-0.000 χ^2/NDF: 6485947.8/38



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: 0.030+/-0.015 χ^2/NDF:40.1/21

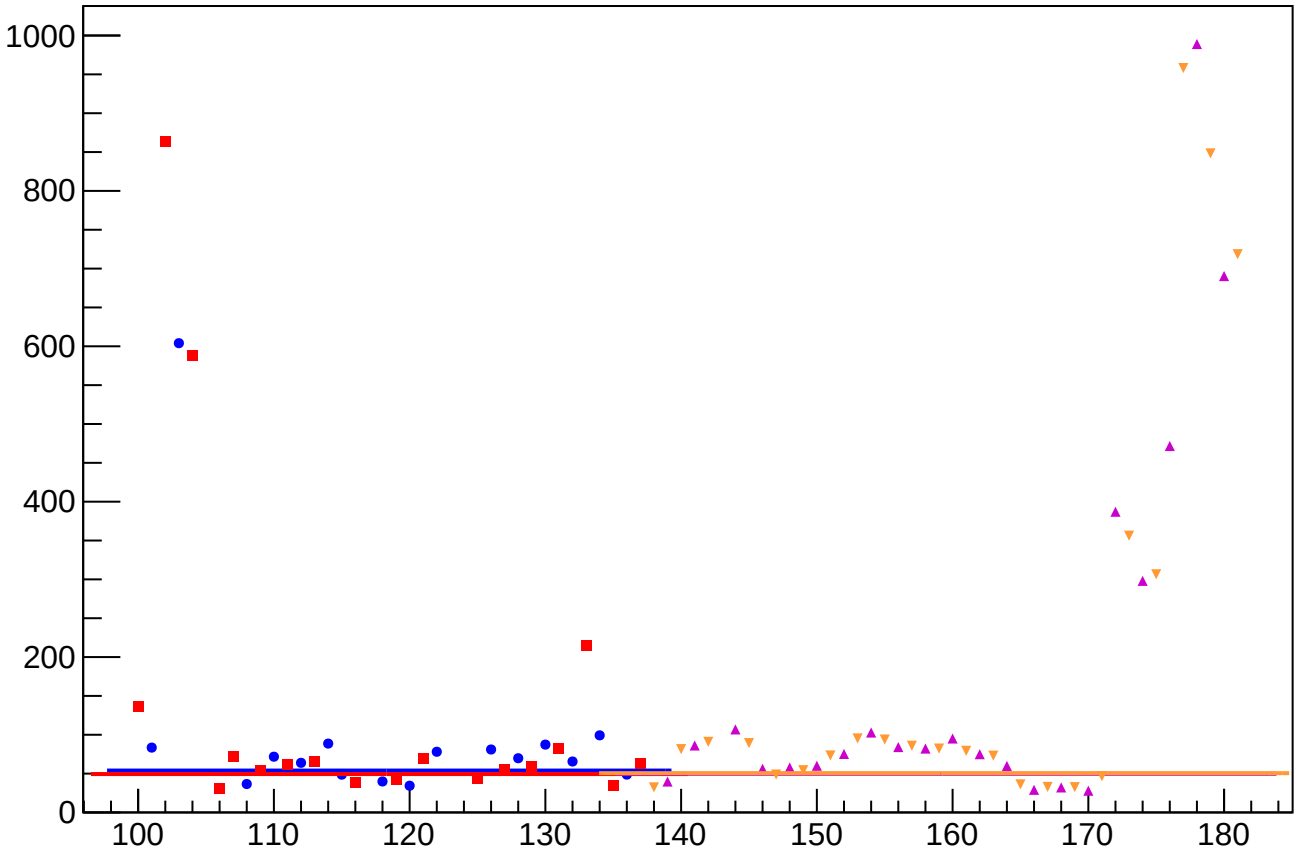
Right Out: -0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: -0.000+/-0.015 χ^2/NDF:14.9/20

+ sign 0.018+/-0.013 χ^2/NDF: 50.4/37

All: 0.008+/-0.009 χ^2/NDF: 80.3/76

- sign -0.002+/-0.013 χ^2/NDF: 28.6/38



Right In: 53.926+/-0.016 χ^2/NDF: 2214348.1/15

Left Out: 50.570+/-0.011 χ^2/NDF:10114767.5/21

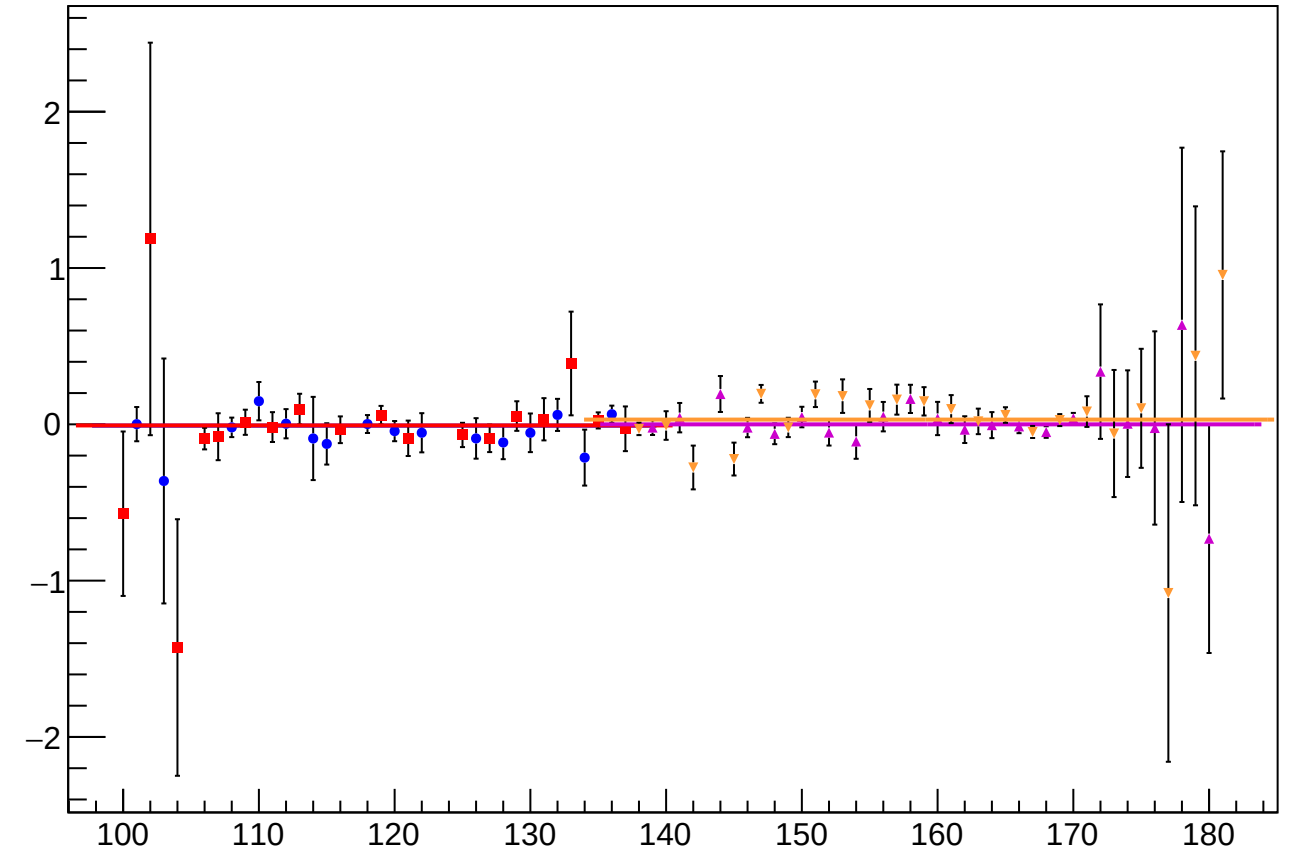
Right Out: 49.420+/-0.016 χ^2/NDF: 3017719.3/17

Left In: 49.740+/-0.011 χ^2/NDF:10538067.5/20

\+ sign 51.610+/-0.009 χ^2/NDF: 12358227.6/37

All: 50.602+/-0.006 χ^2/NDF: 25938327.8/76

\- sign 49.637+/-0.009 χ^2/NDF: 13556069.4/38



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: 0.030+/-0.015 χ^2/NDF:40.1/21

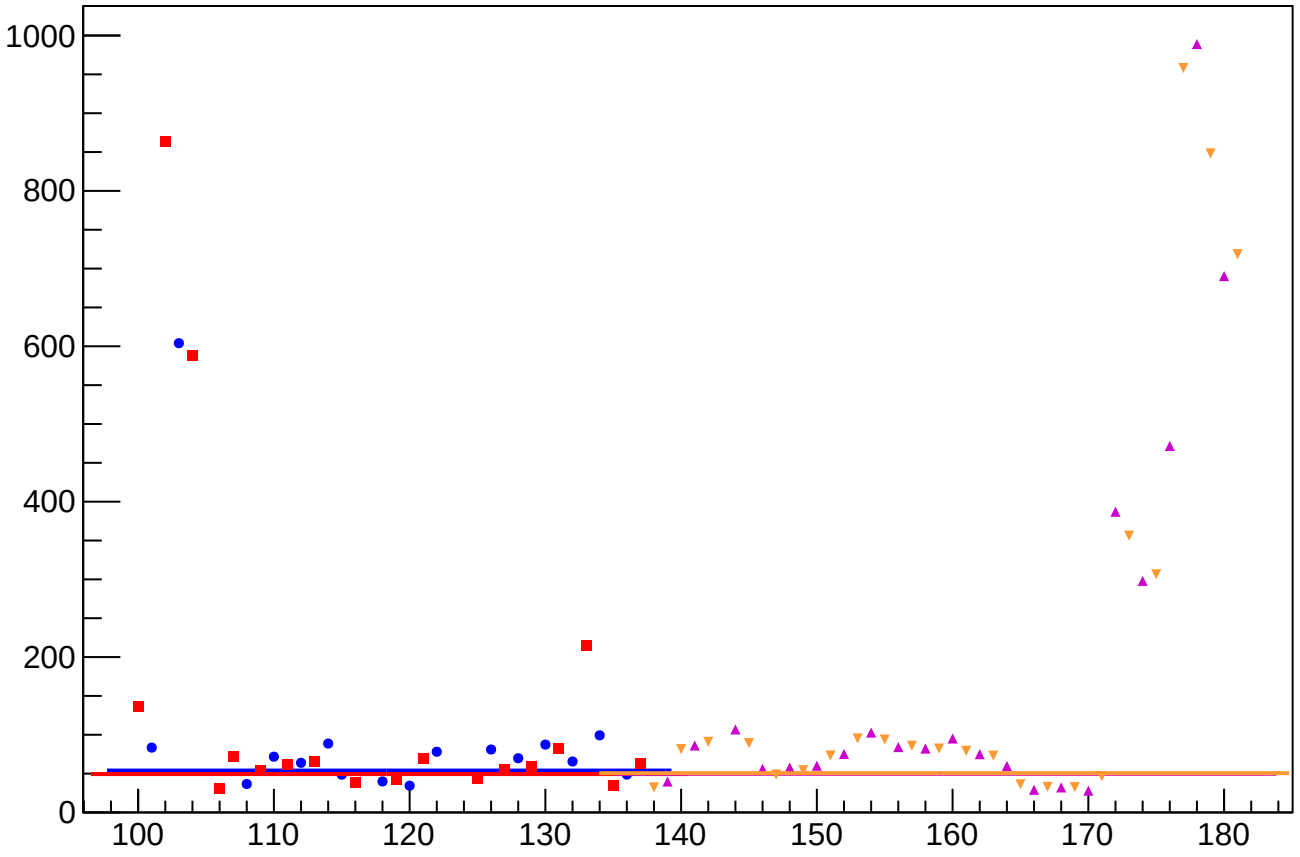
Right Out: -0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: -0.000+/-0.015 χ^2/NDF:14.9/20

+ sign 0.018+/-0.013 χ^2/NDF: 50.4/37

All: 0.008+/-0.009 χ^2/NDF: 80.3/76

- sign -0.002+/-0.013 χ^2/NDF: 28.6/38



Right In: 53.926+/-0.016 χ^2/NDF: 2214348.1/15

Left Out: 50.570+/-0.011 χ^2/NDF:10114767.5/21

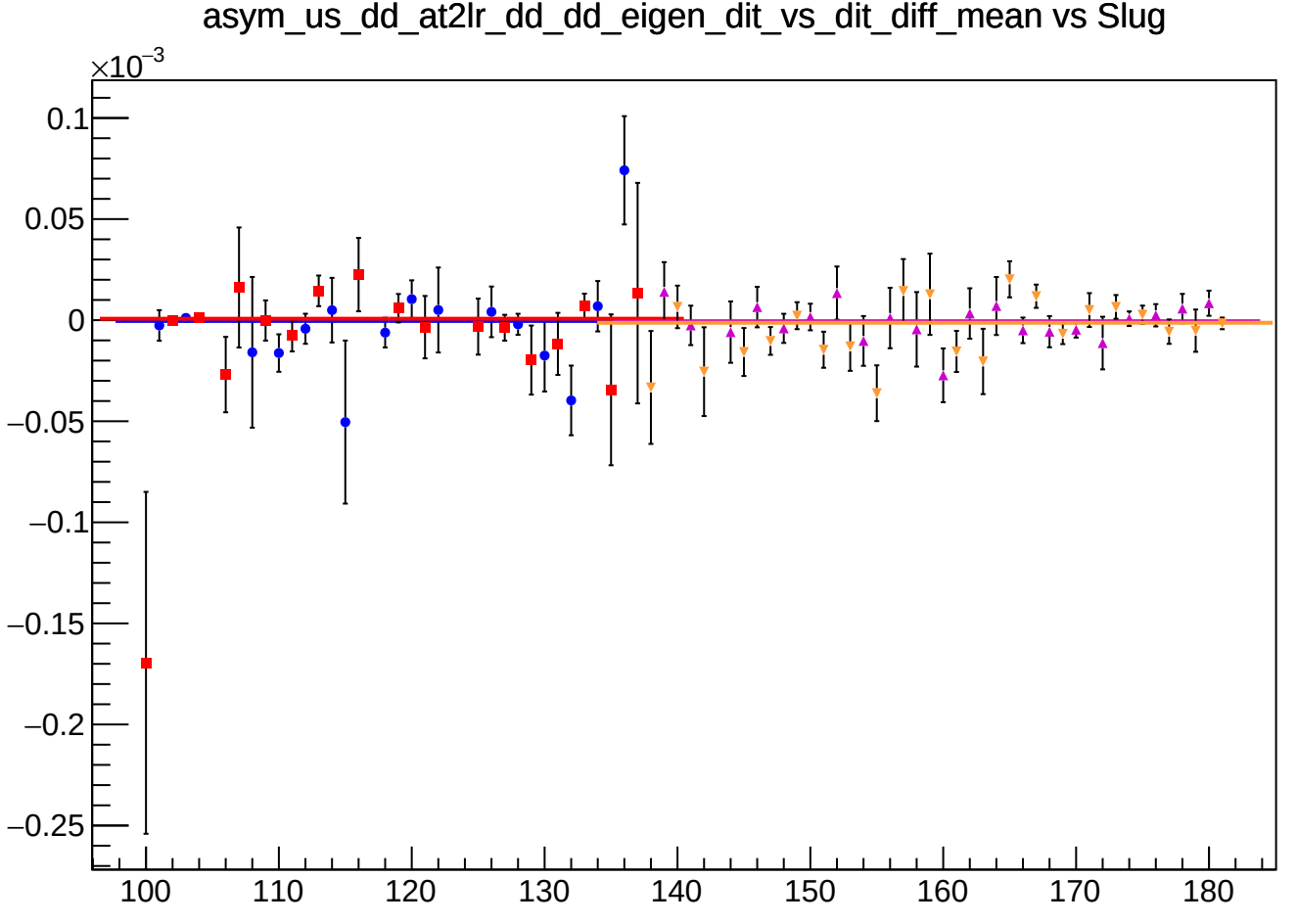
Right Out: 49.420+/-0.016 χ^2/NDF: 3017719.3/17

Left In: 49.740+/-0.011 χ^2/NDF:10538067.5/20

\+ sign 51.610+/-0.009 χ^2/NDF: 12358227.6/37

All: 50.602+/-0.006 χ^2/NDF: 25938327.8/76

\- sign 49.637+/-0.009 χ^2/NDF: 13556069.4/38



Right In: -0.000+/-0.000 χ^2/NDF: 22.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:36.9/21

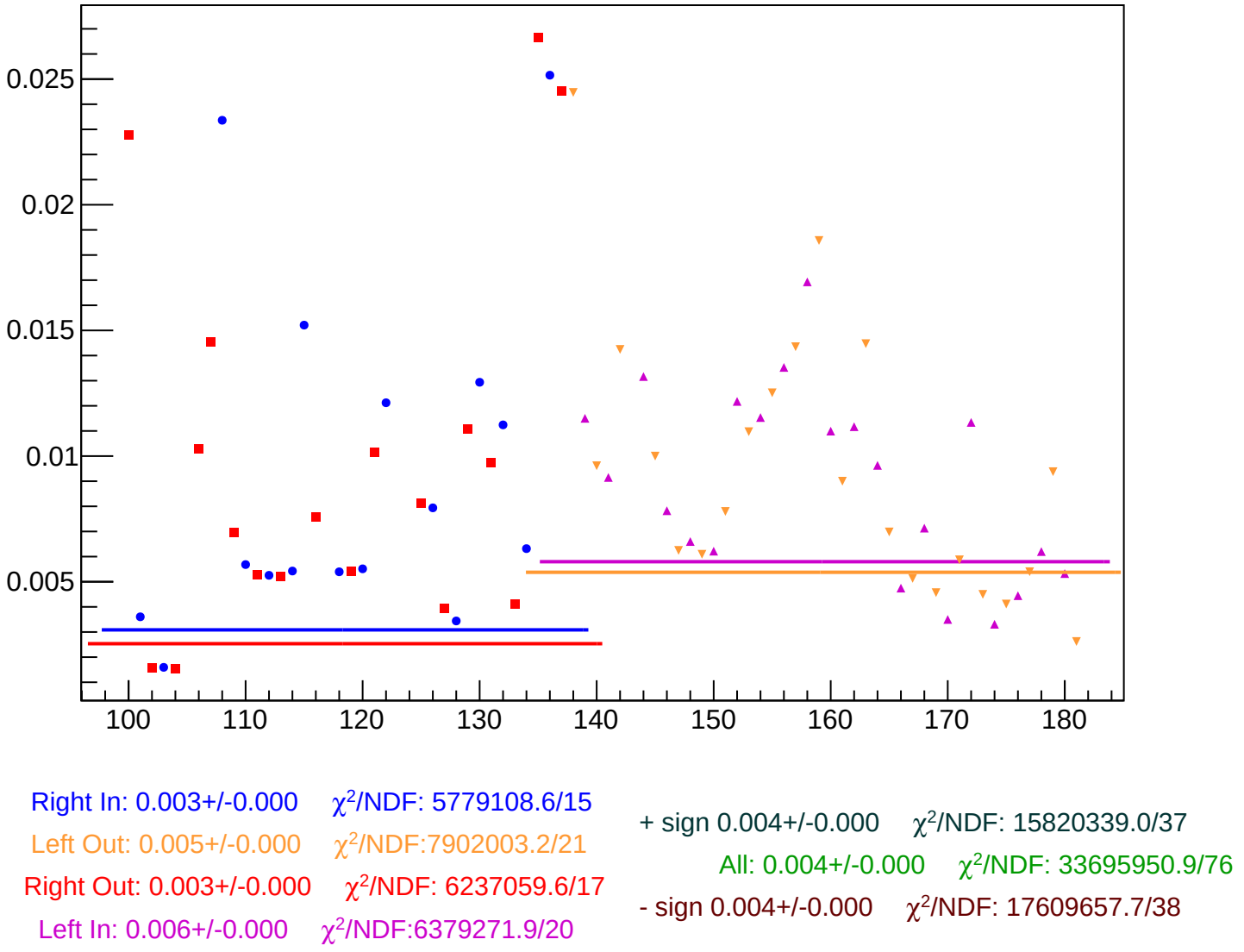
Right Out: 0.000+/-0.000 χ^2/NDF: 17.8/17

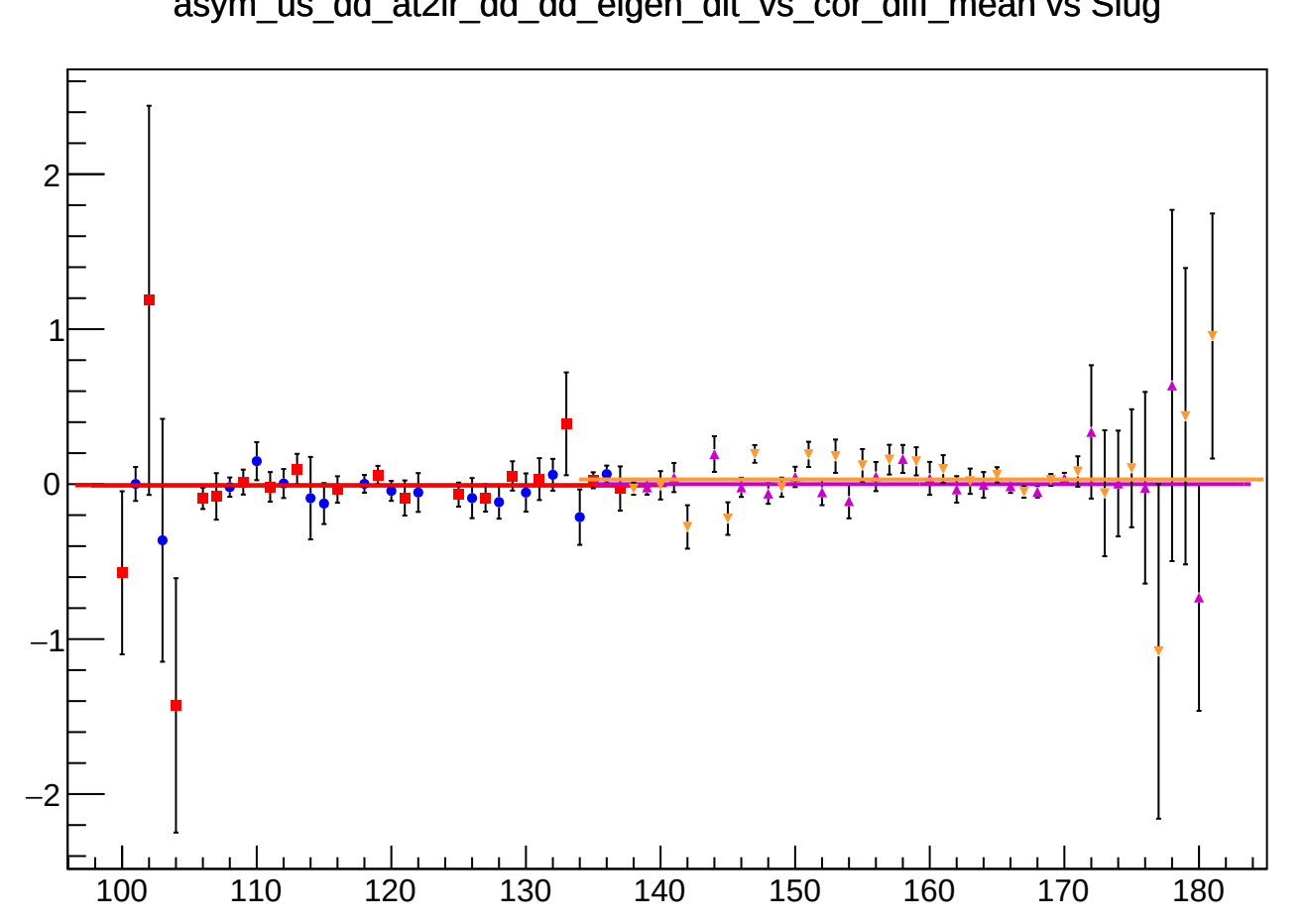
Left In: -0.000+/-0.000 χ^2/NDF:14.2/20

+ sign -0.000+/-0.000 χ^2/NDF: 59.2/37

All: -0.000+/-0.000 χ^2/NDF: 92.1/76

- sign 0.000+/-0.000 χ^2/NDF: 32.4/38


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: 0.005+/-0.000 χ²/NDF:7902003.2/21
Right Out: 0.003+/-0.000 χ²/NDF: 6237059.6/17
Left In: 0.006+/-0.000 χ²/NDF:6379271.9/20
+ sign 0.004+/-0.000 χ²/NDF: 15820339.0/37
All: 0.004+/-0.000 χ²/NDF: 33695950.9/76
- sign 0.004+/-0.000 χ²/NDF: 17609657.7/38



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: 0.030+/-0.015 χ^2/NDF:40.1/21

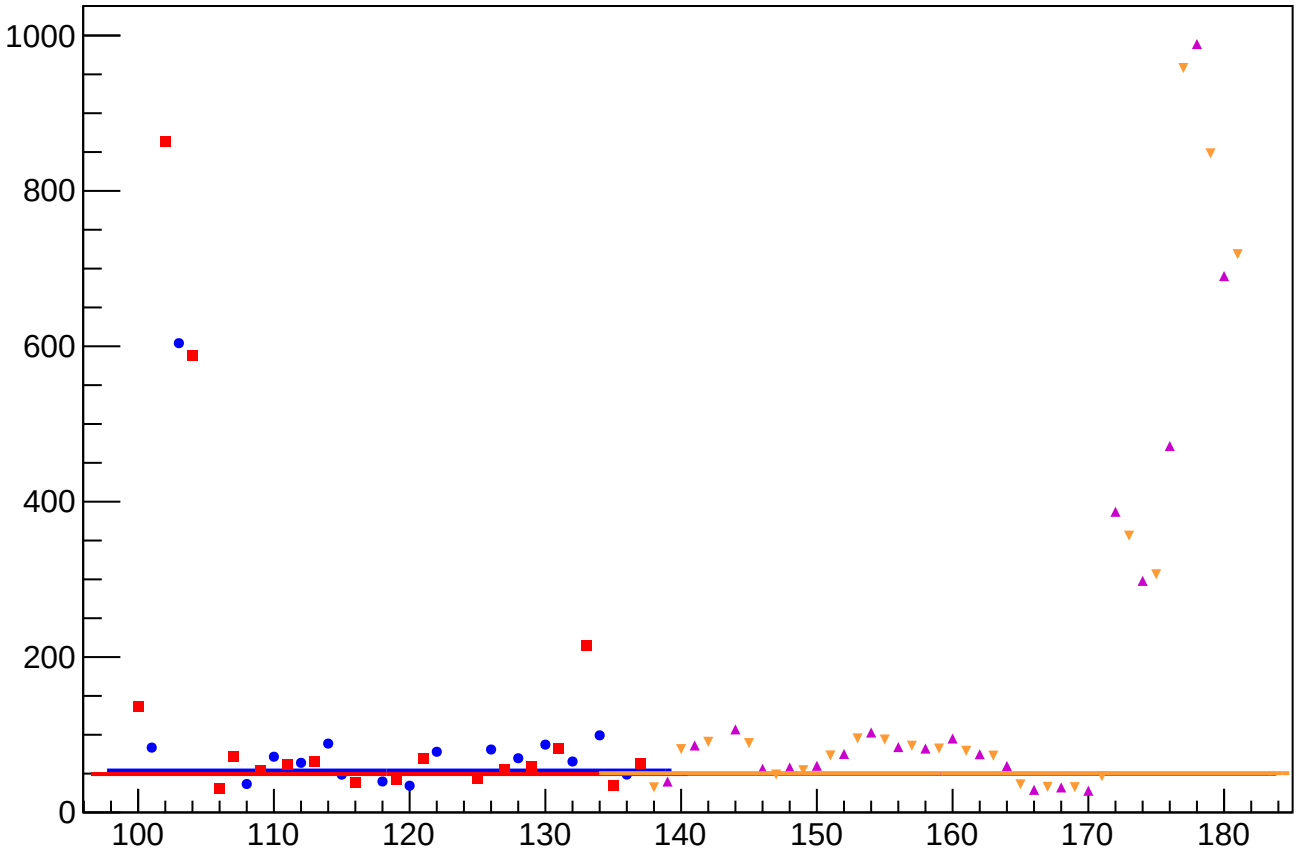
Right Out: -0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: -0.000+/-0.015 χ^2/NDF:14.9/20

+ sign 0.018+/-0.013 χ^2/NDF: 50.4/37

All: 0.008+/-0.009 χ^2/NDF: 80.3/76

- sign -0.002+/-0.013 χ^2/NDF: 28.6/38



Right In: 53.929+/-0.016 χ^2/NDF: 2213950.2/15

Left Out: 50.573+/-0.011 χ^2/NDF:10113953.6/21

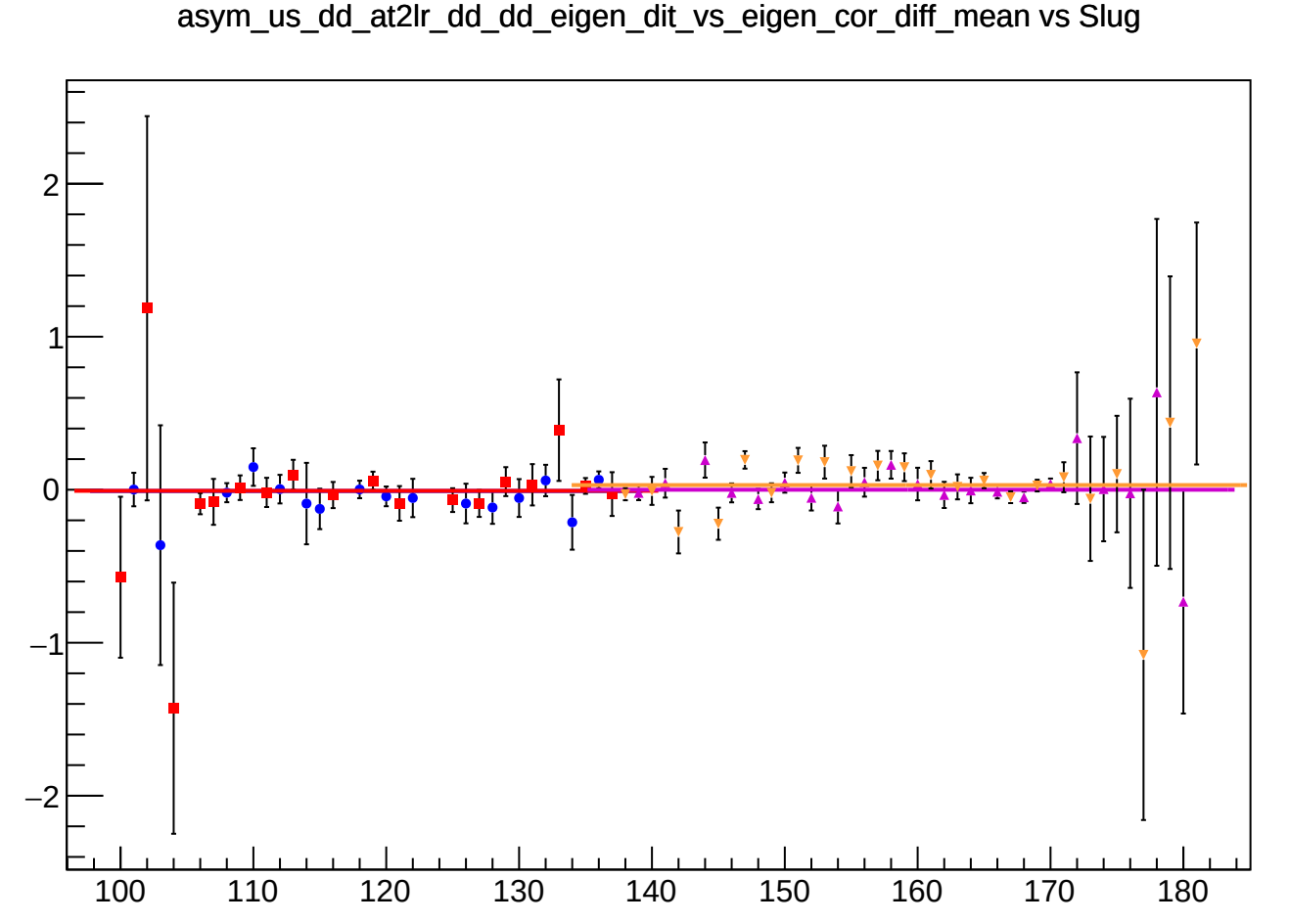
Right Out: 49.422+/-0.016 χ^2/NDF: 3017440.2/17

Left In: 49.740+/-0.011 χ^2/NDF:10538005.1/20

\+ sign 51.613+/-0.009 χ^2/NDF: 12357029.6/37

All: 50.604+/-0.006 χ^2/NDF: 25936831.9/76

\- sign 49.638+/-0.009 χ^2/NDF: 13555724.4/38



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: 0.030+/-0.015 χ^2/NDF:40.1/21

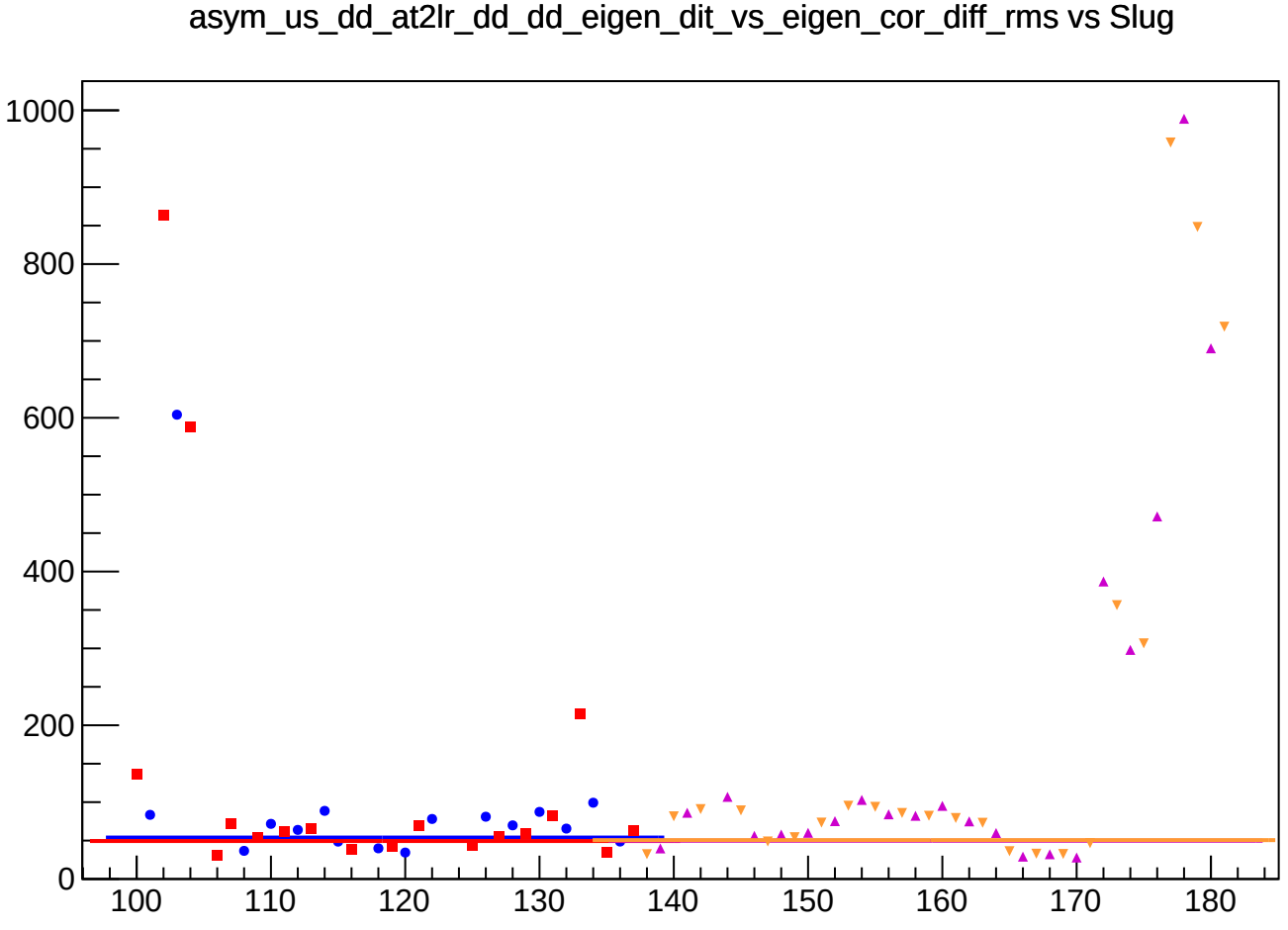
Right Out: -0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: -0.000+/-0.015 χ^2/NDF:14.9/20

+ sign 0.018+/-0.013 χ^2/NDF: 50.4/37

All: 0.008+/-0.009 χ^2/NDF: 80.3/76

- sign -0.002+/-0.013 χ^2/NDF: 28.6/38



Right In: 53.929+/-0.016 χ^2/NDF: 2213950.2/15

Left Out: 50.573+/-0.011 χ^2/NDF:10113953.6/21

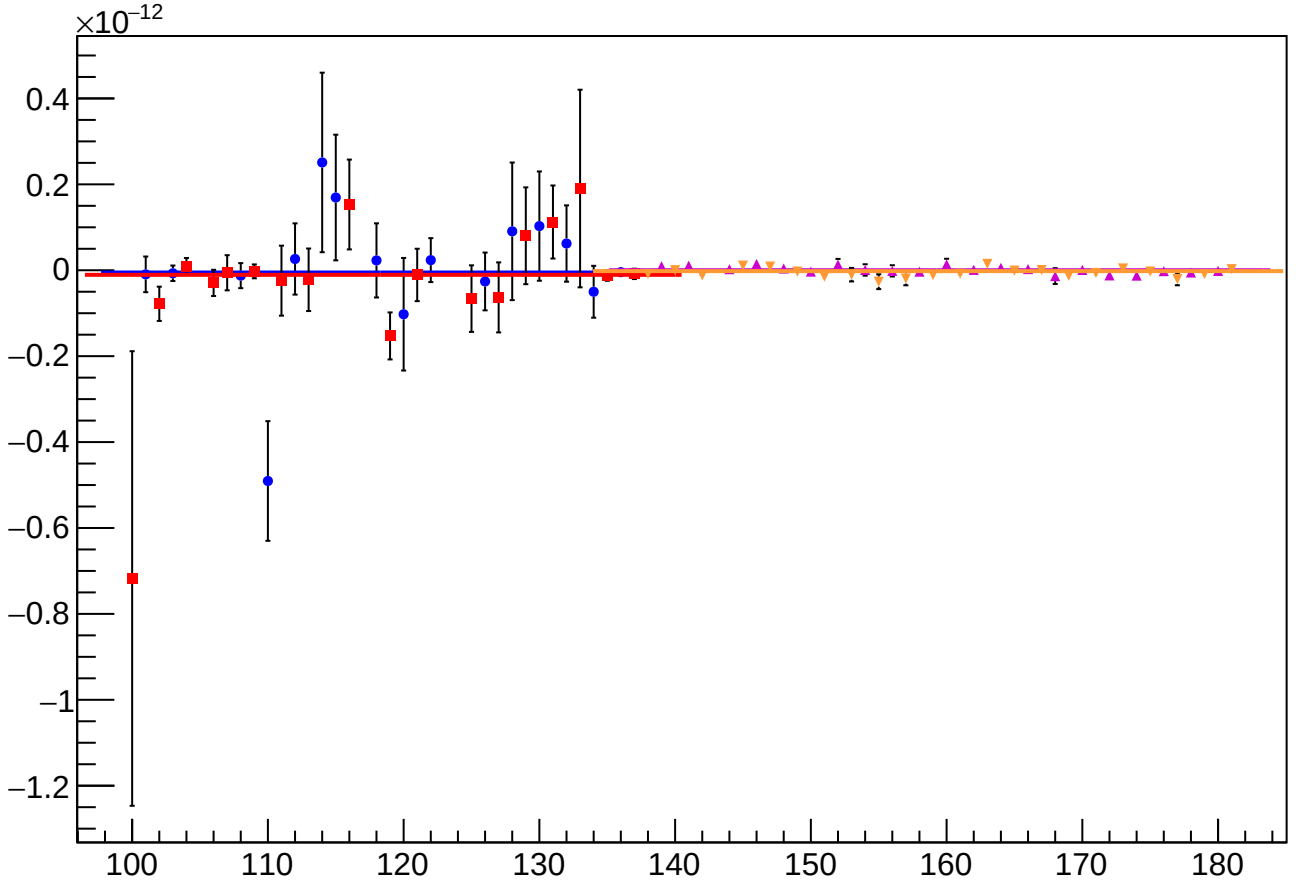
Right Out: 49.422+/-0.016 χ^2/NDF: 3017440.2/17

Left In: 49.740+/-0.011 χ^2/NDF:10538005.1/20

\+ sign 51.613+/-0.009 χ^2/NDF: 12357029.6/37

All: 50.604+/-0.006 χ^2/NDF: 25936831.9/76

\- sign 49.638+/-0.009 χ^2/NDF: 13555724.4/38



Right In: -0.000+/-0.000 χ^2/NDF: 18.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.6/21

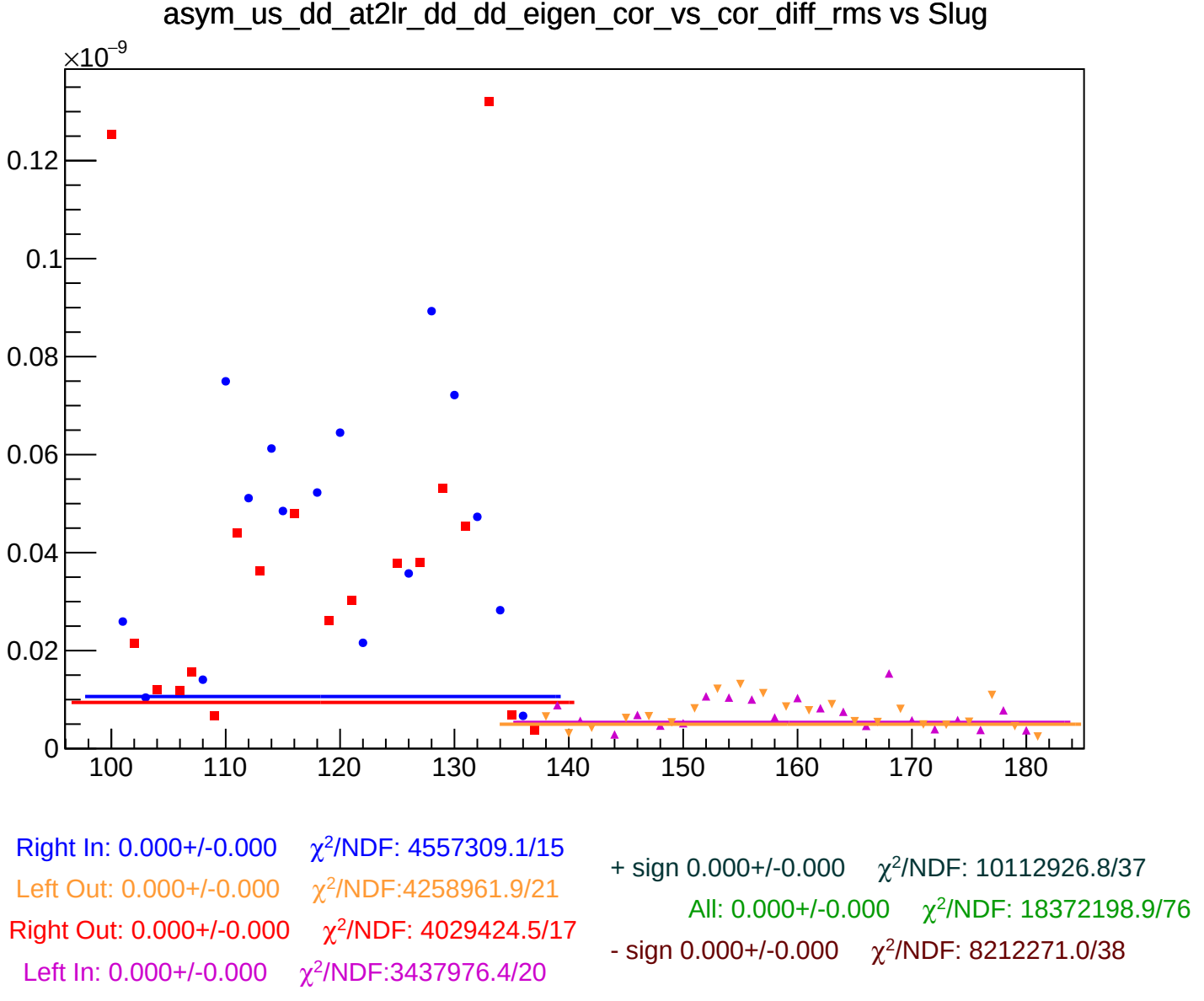
Right Out: -0.000+/-0.000 χ^2/NDF: 20.1/17

Left In: 0.000+/-0.000 χ^2/NDF:17.5/20

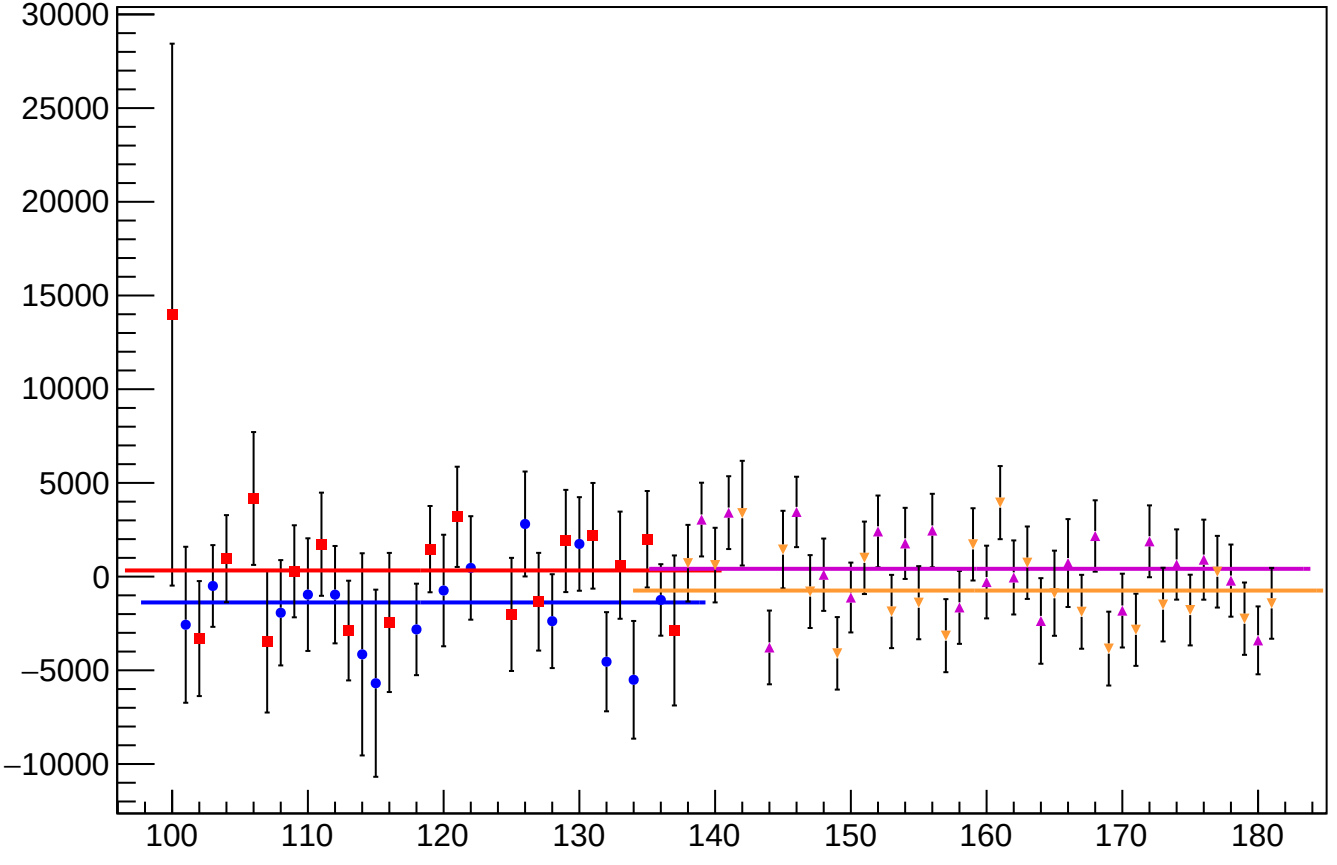
+ sign -0.000+/-0.000 χ^2/NDF: 40.4/37

All: -0.000+/-0.000 χ^2/NDF: 81.0/76

- sign -0.000+/-0.000 χ^2/NDF: 40.1/38


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:4258961.9/21
Right Out: 0.000+/-0.000 χ²/NDF: 4029424.5/17
Left In: 0.000+/-0.000 χ²/NDF:3437976.4/20
+ sign 0.000+/-0.000 χ²/NDF: 10112926.8/37
All: 0.000+/-0.000 χ²/NDF: 18372198.9/76
- sign 0.000+/-0.000 χ²/NDF: 8212271.0/38

reg_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -1378.758+/-689.030 χ^2/NDF: 9.3/15

Left Out: -744.025+/-423.399 χ^2/NDF:23.5/21

Right Out: 328.770+/-683.888 χ^2/NDF: 11.0/17

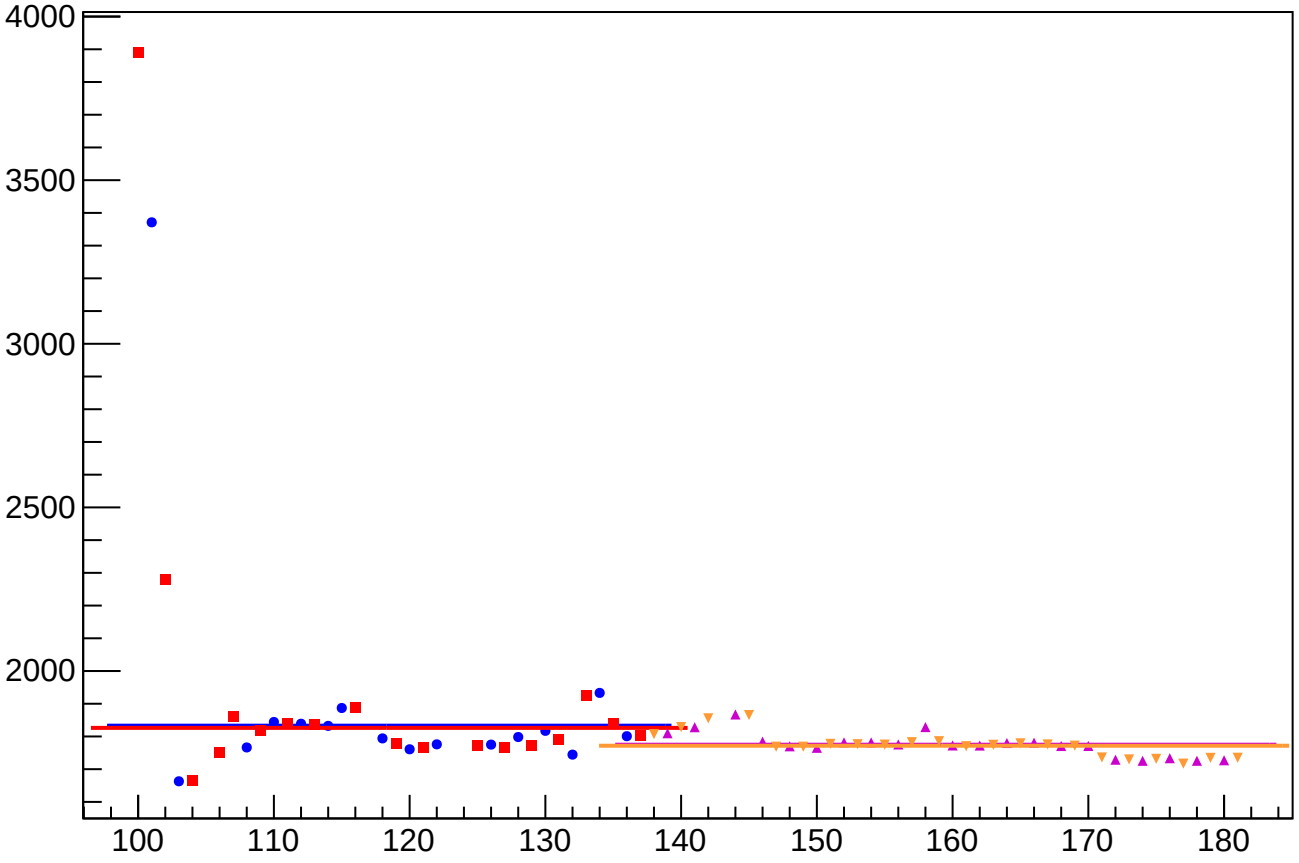
Left In: 415.624+/-427.334 χ^2/NDF:24.8/20

+ sign -918.002+/-360.736 χ^2/NDF: 33.4/37

All: -266.400+/-255.666 χ^2/NDF: 75.9/76

- sign 391.235+/-362.401 χ^2/NDF: 35.9/38

reg_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1832.947+/-0.487 χ^2/NDF: 295439.4/15

Left Out: 1771.688+/-0.299 χ^2/NDF:14006.2/21

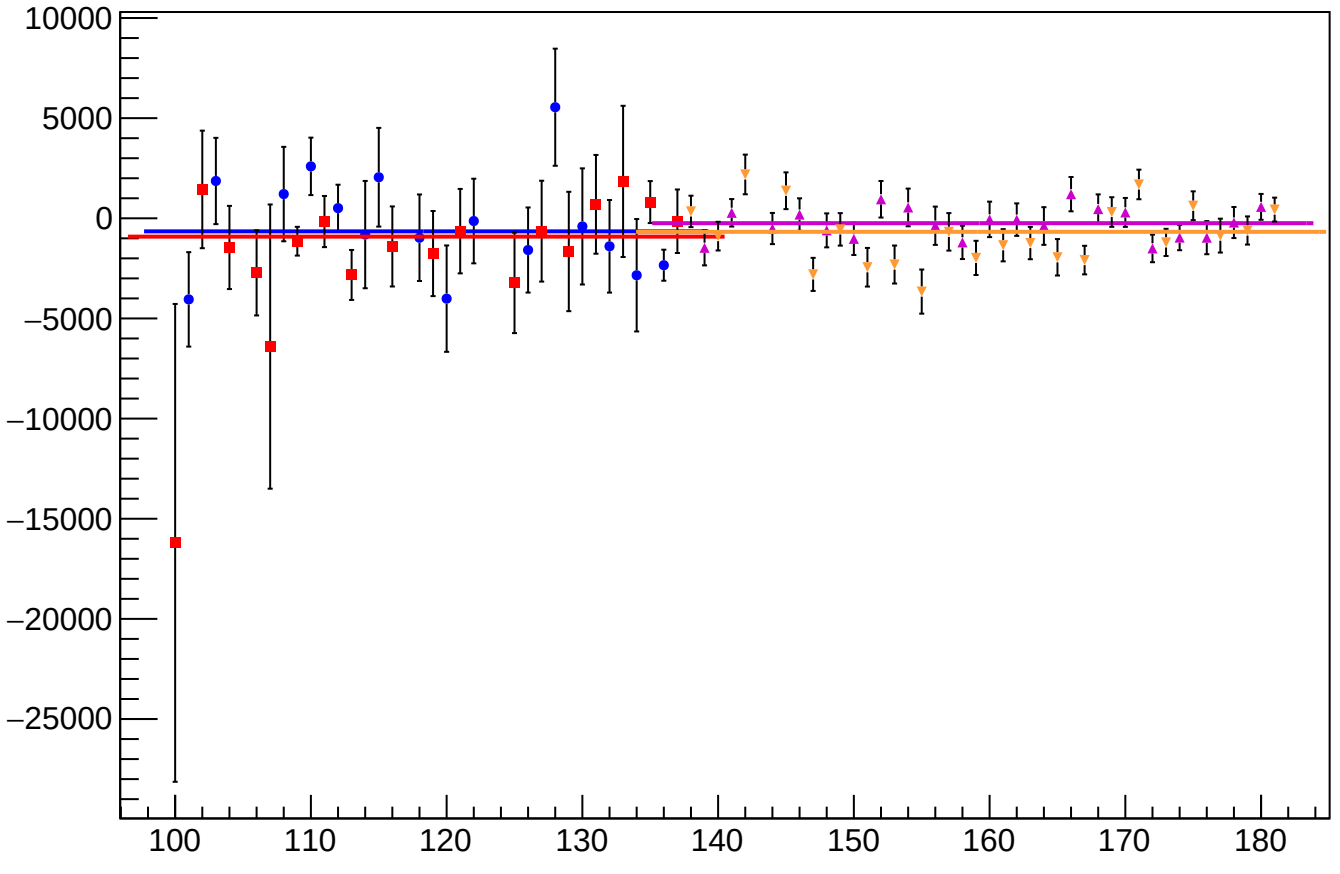
Right Out: 1826.208+/-0.484 χ^2/NDF: 103006.6/17

Left In: 1774.759+/-0.302 χ^2/NDF:14248.2/20

+ sign 1788.479+/-0.255 χ^2/NDF: 320920.9/37

All: 1788.841+/-0.181 χ^2/NDF: 446320.5/76

- sign 1789.206+/-0.256 χ^2/NDF: 125395.5/38



Right In: -651.944+/-442.135 χ^2/NDF: 23.2/15

Left Out: -674.938+/-170.127 χ^2/NDF:64.3/21

Right Out: -914.717+/-393.421 χ^2/NDF: 11.5/17

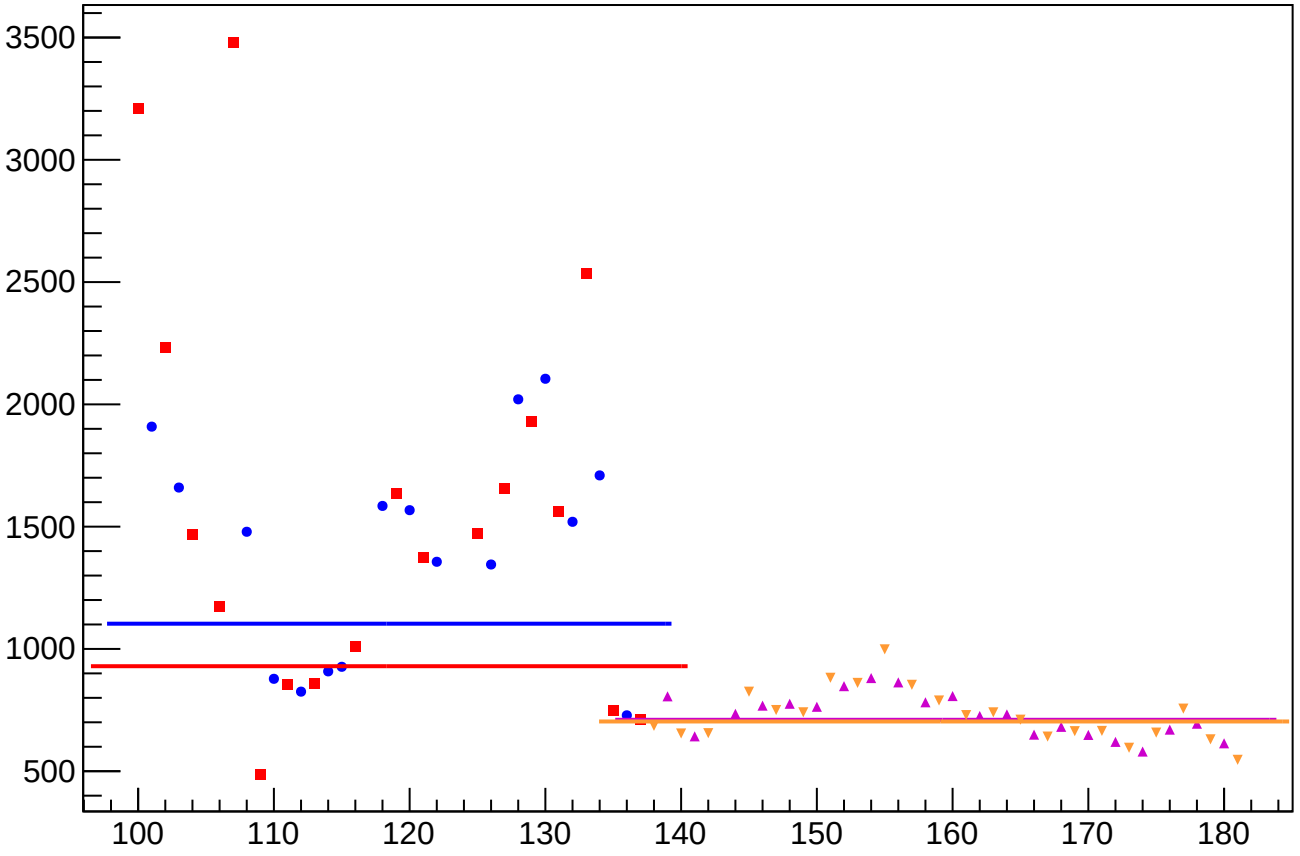
Left In: -243.288+/-172.576 χ^2/NDF:19.2/20

\+ sign -671.973+/-158.779 χ^2/NDF: 87.5/37

All: -511.057+/-112.011 χ^2/NDF: 122.8/76

\- sign -351.635+/-158.040 χ^2/NDF: 33.2/38

asym_us_dd_atlr_dd_avg_reg_correction_rms vs Slug



Right In: 1103.183+/-0.313 χ^2/NDF: 1878176.1/15

Left Out: 703.389+/-0.120 χ^2/NDF:658087.7/21

Right Out: 929.356+/-0.278 χ^2/NDF: 3054092.4/17

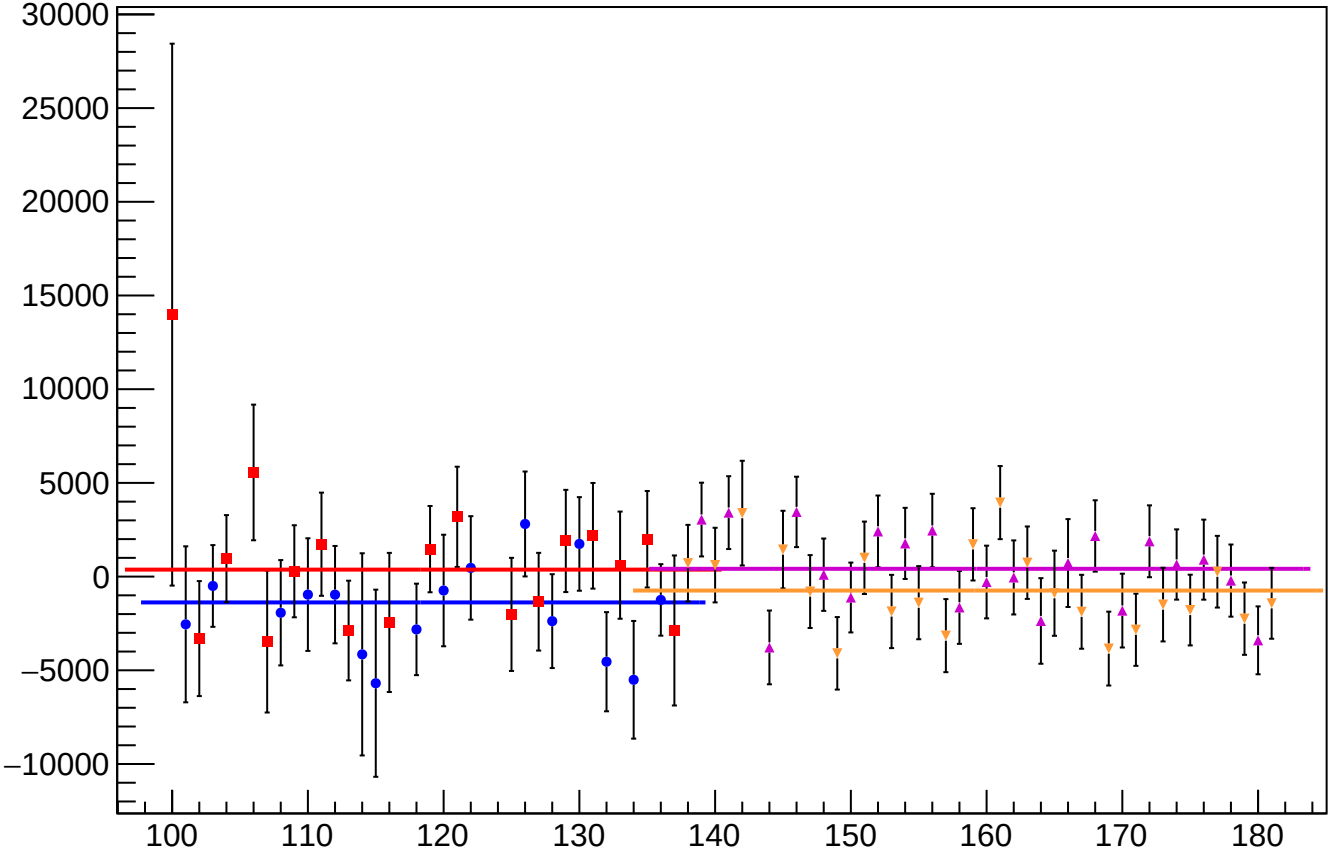
Left In: 710.212+/-0.122 χ^2/NDF:475734.4/20

+ sign 754.948+/-0.112 χ^2/NDF: 3960657.0/37

All: 750.240+/-0.079 χ^2/NDF: 8014394.2/76

- sign 745.575+/-0.112 χ^2/NDF: 4050236.1/38

cor_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -1378.133+/-689.030 χ^2/NDF: 9.3/15

Left Out: -743.927+/-423.399 χ^2/NDF:23.5/21

Right Out: 372.534+/-684.408 χ^2/NDF: 12.0/17

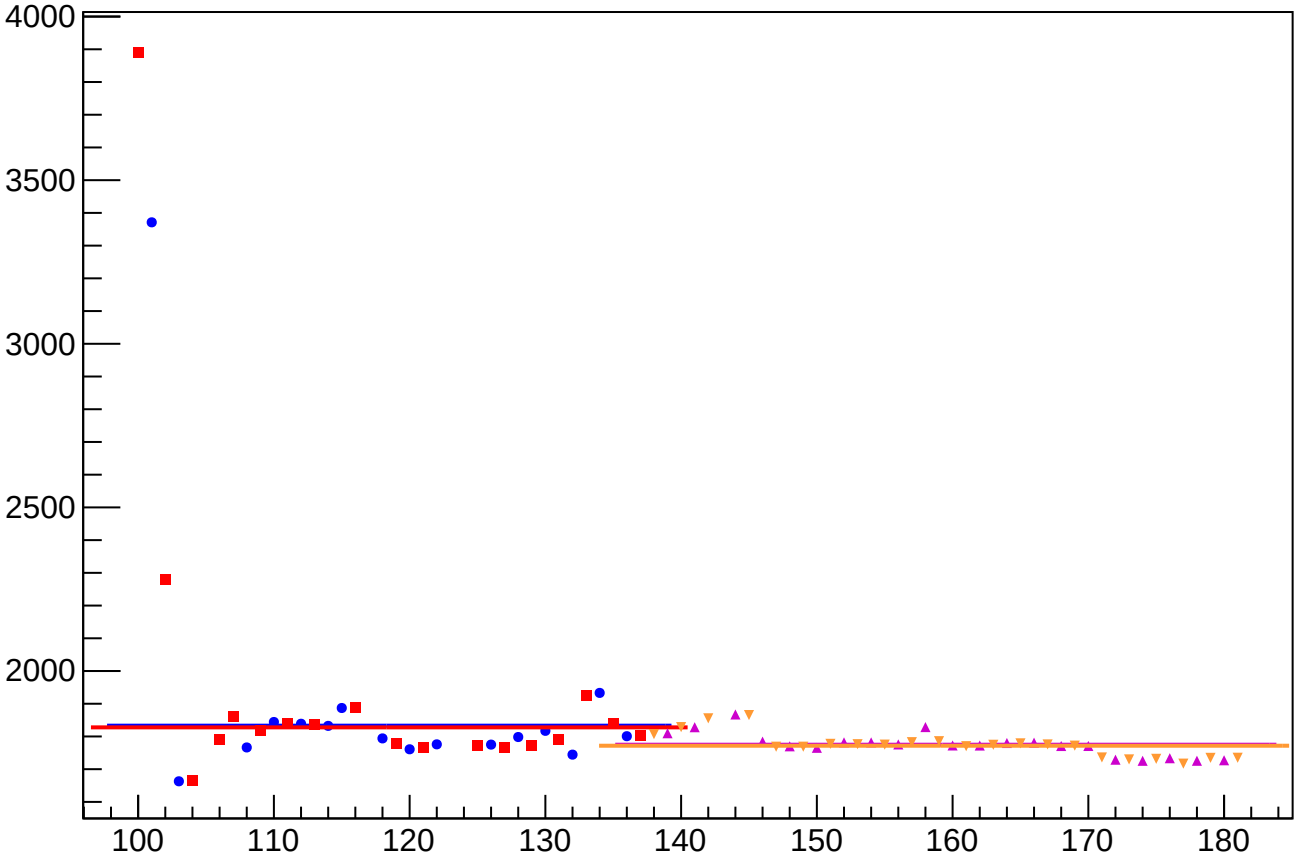
Left In: 415.585+/-427.334 χ^2/NDF:24.8/20

+ sign -917.760+/-360.736 χ^2/NDF: 33.4/37

All: -260.310+/-255.693 χ^2/NDF: 76.9/76

- sign 403.509+/-362.479 χ^2/NDF: 36.8/38

cor_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1832.947+/-0.487 χ^2/NDF: 295441.2/15

Left Out: 1771.688+/-0.299 χ^2/NDF:14006.1/21

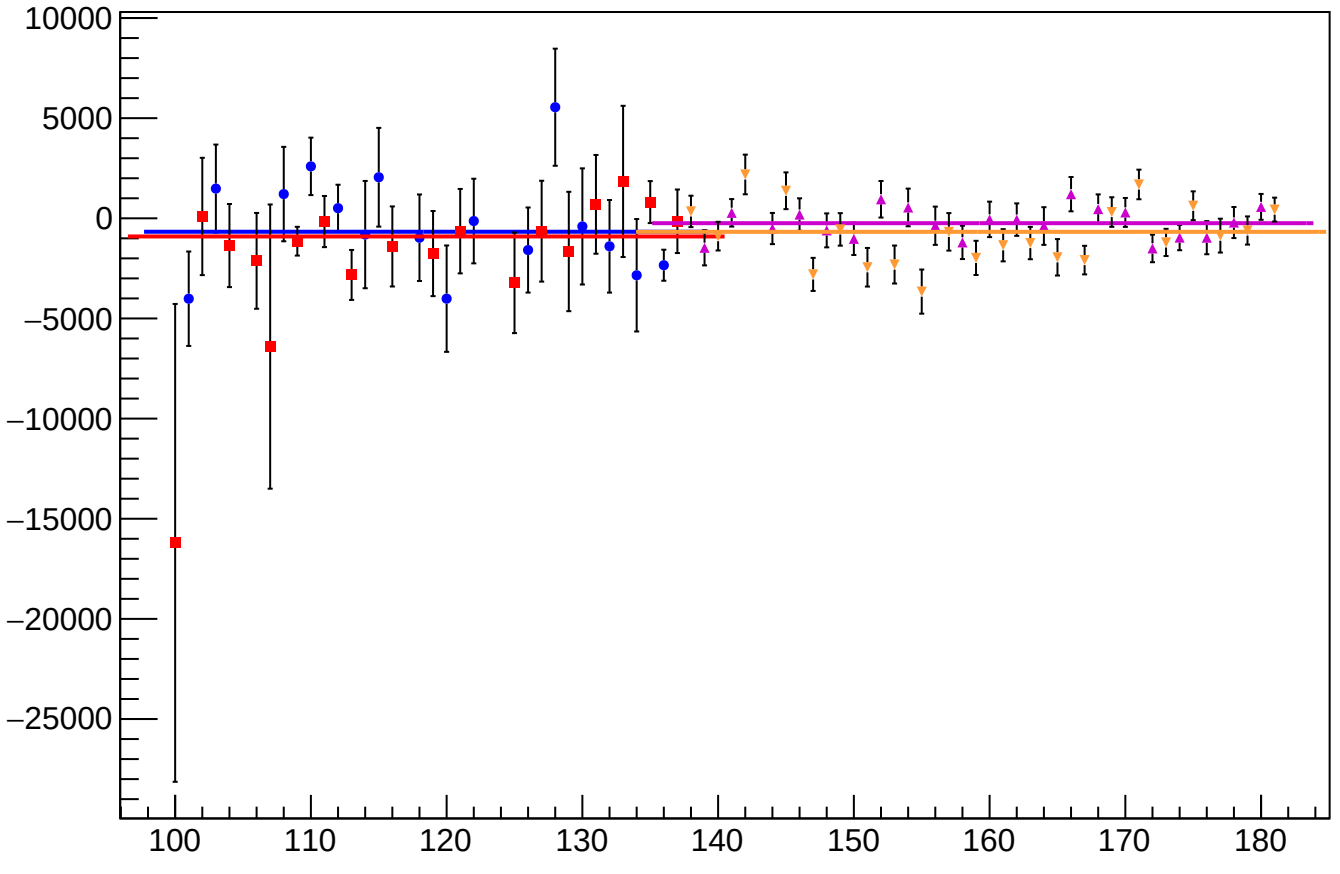
Right Out: 1827.785+/-0.484 χ^2/NDF: 102270.3/17

Left In: 1774.759+/-0.302 χ^2/NDF:14248.2/20

+ sign 1788.479+/-0.255 χ^2/NDF: 320922.8/37

All: 1789.053+/-0.181 χ^2/NDF: 446089.4/76

- sign 1789.633+/-0.256 χ^2/NDF: 125156.5/38



Right In: -670.539+/-442.505 χ^2/NDF: 22.8/15

Left Out: -674.936+/-170.128 χ^2/NDF:64.3/21

Right Out: -905.874+/-394.814 χ^2/NDF: 10.5/17

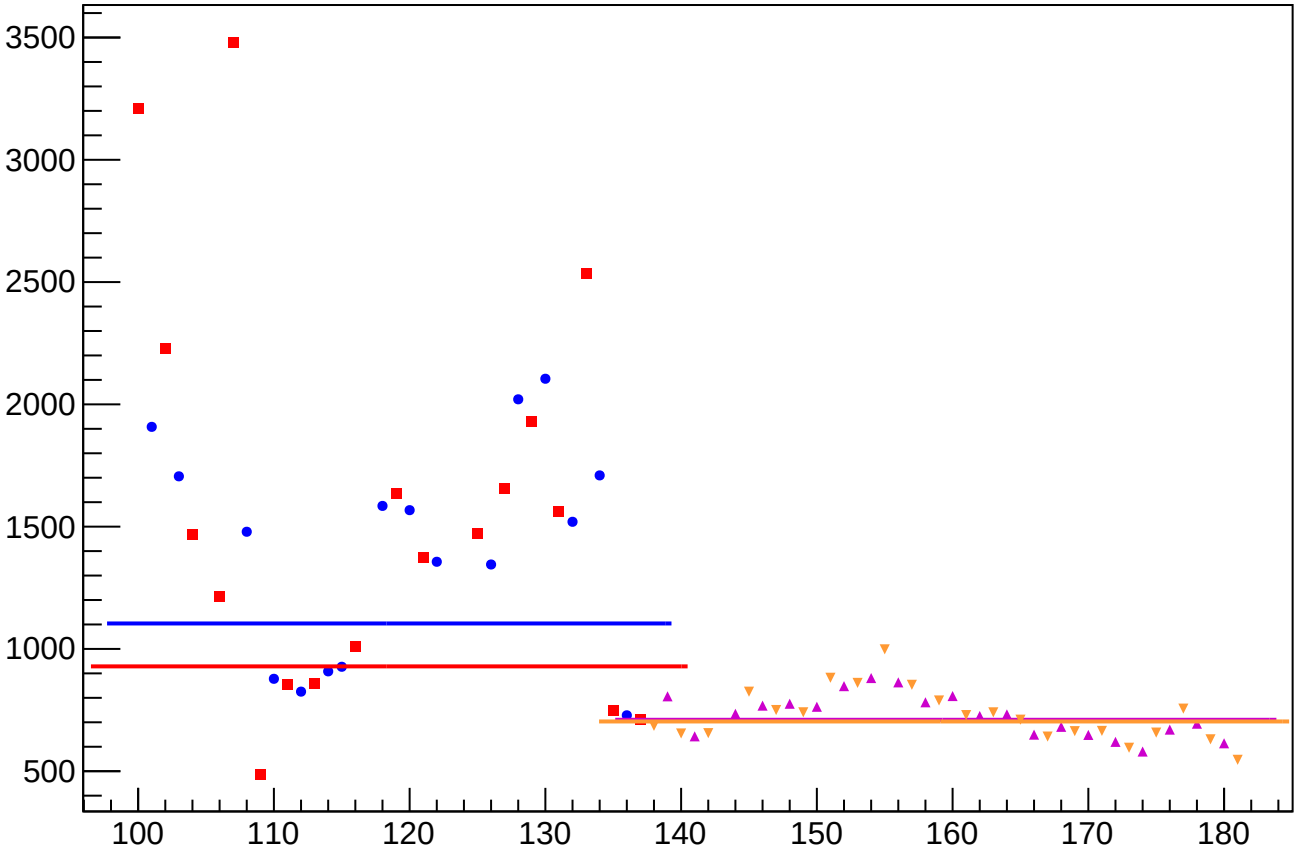
Left In: -243.215+/-172.578 χ^2/NDF:19.2/20

+ sign -674.370+/-158.796 χ^2/NDF: 87.0/37

All: -511.261+/-112.050 χ^2/NDF: 121.2/76

- sign -349.516+/-158.131 χ^2/NDF: 32.1/38

asym_us_dd_atlr_dd_avg_cor_correction_rms vs Slug



Right In: 1104.103+/-0.313 χ^2/NDF: 1894482.2/15

Left Out: 703.393+/-0.120 χ^2/NDF:658040.0/21

Right Out: 928.629+/-0.279 χ^2/NDF: 3054381.5/17

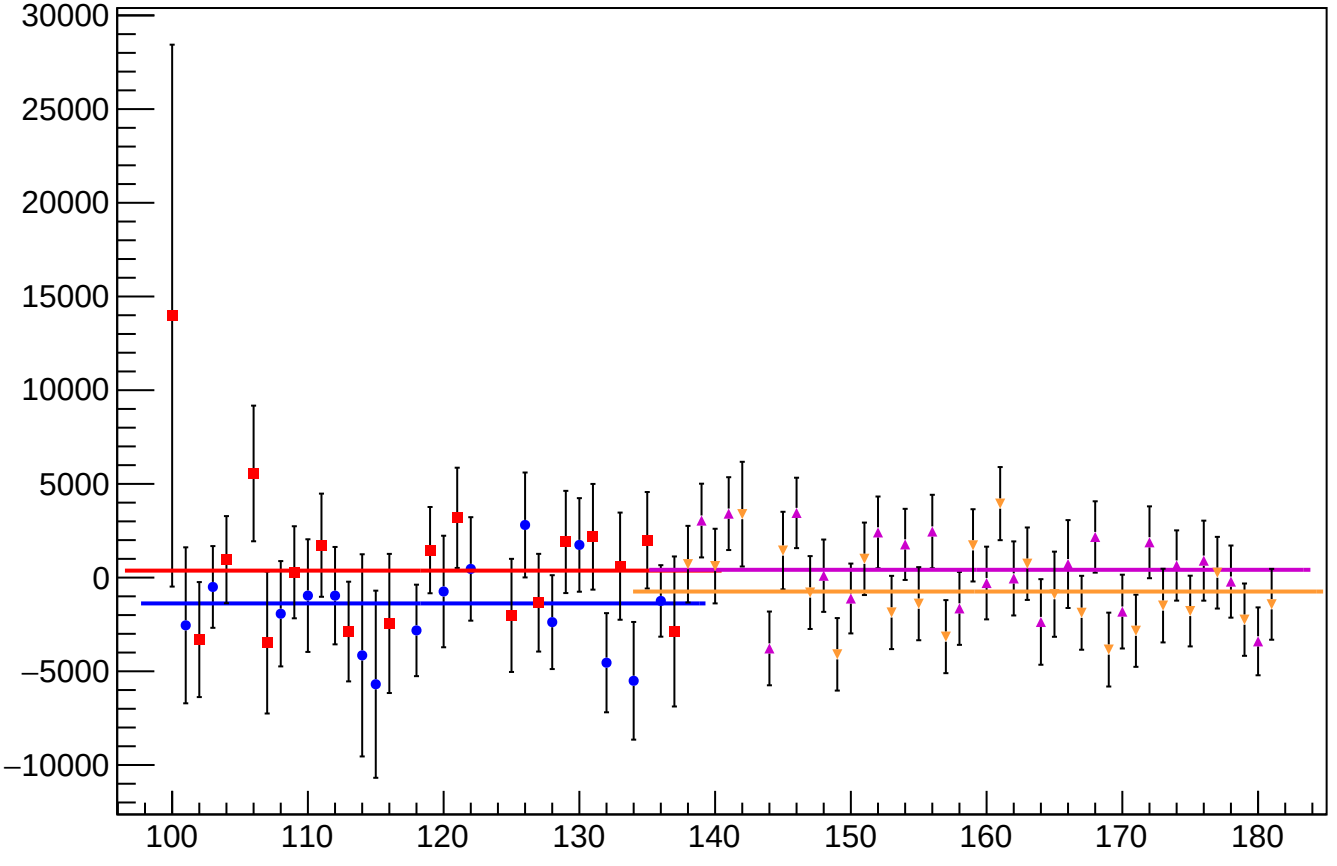
Left In: 710.218+/-0.122 χ^2/NDF:475741.7/20

\+ sign 754.996+/-0.112 χ^2/NDF: 3981352.9/37

All: 750.105+/-0.079 χ^2/NDF: 8029126.8/76

\- sign 745.255+/-0.112 χ^2/NDF: 4043995.1/38

eigen_cor_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -1378.133+/-689.030 χ^2/NDF: 9.3/15

Left Out: -743.927+/-423.399 χ^2/NDF:23.5/21

Right Out: 372.534+/-684.408 χ^2/NDF: 12.0/17

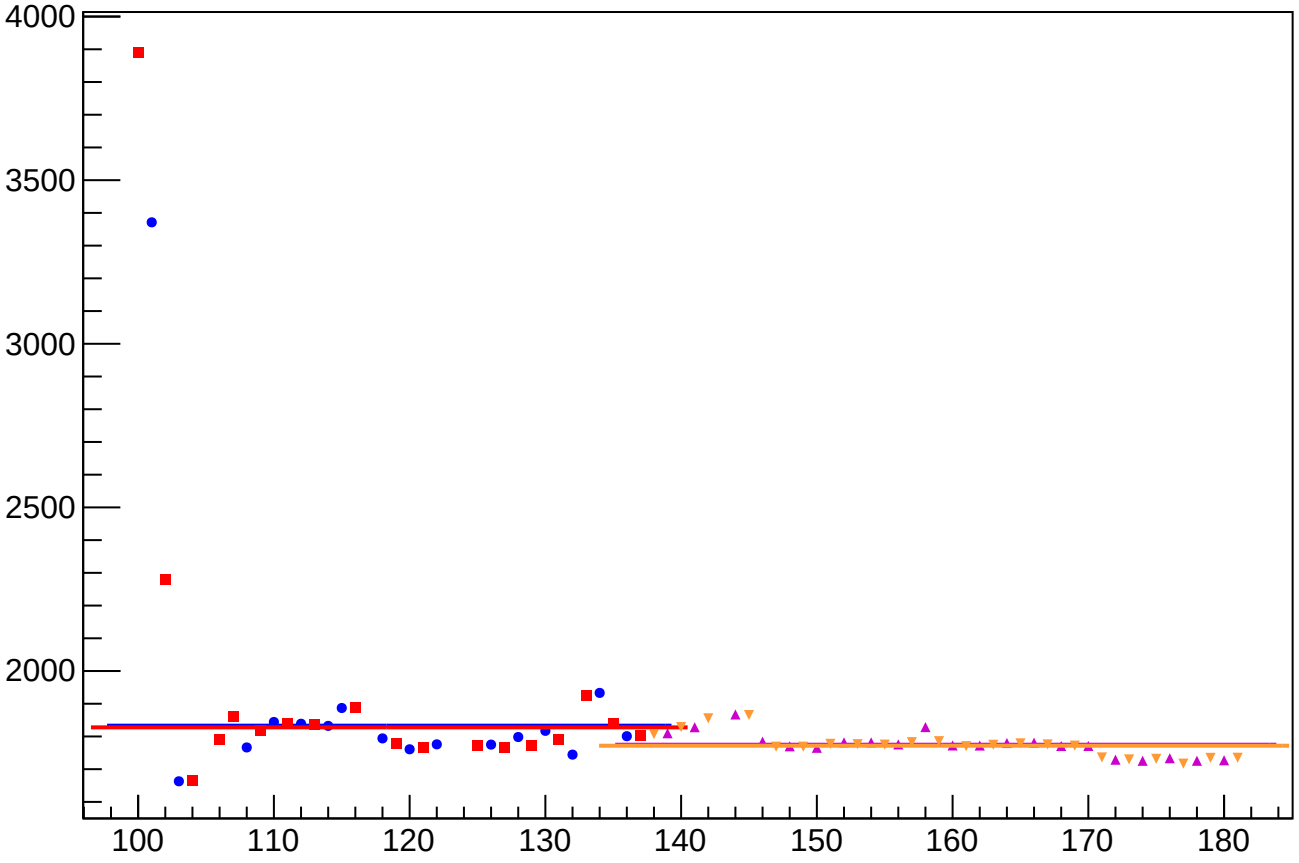
Left In: 415.585+/-427.334 χ^2/NDF:24.8/20

+ sign -917.760+/-360.736 χ^2/NDF: 33.4/37

All: -260.310+/-255.693 χ^2/NDF: 76.9/76

- sign 403.509+/-362.479 χ^2/NDF: 36.8/38

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: 1771.688+/-0.299 χ^2/NDF:14006.1/21

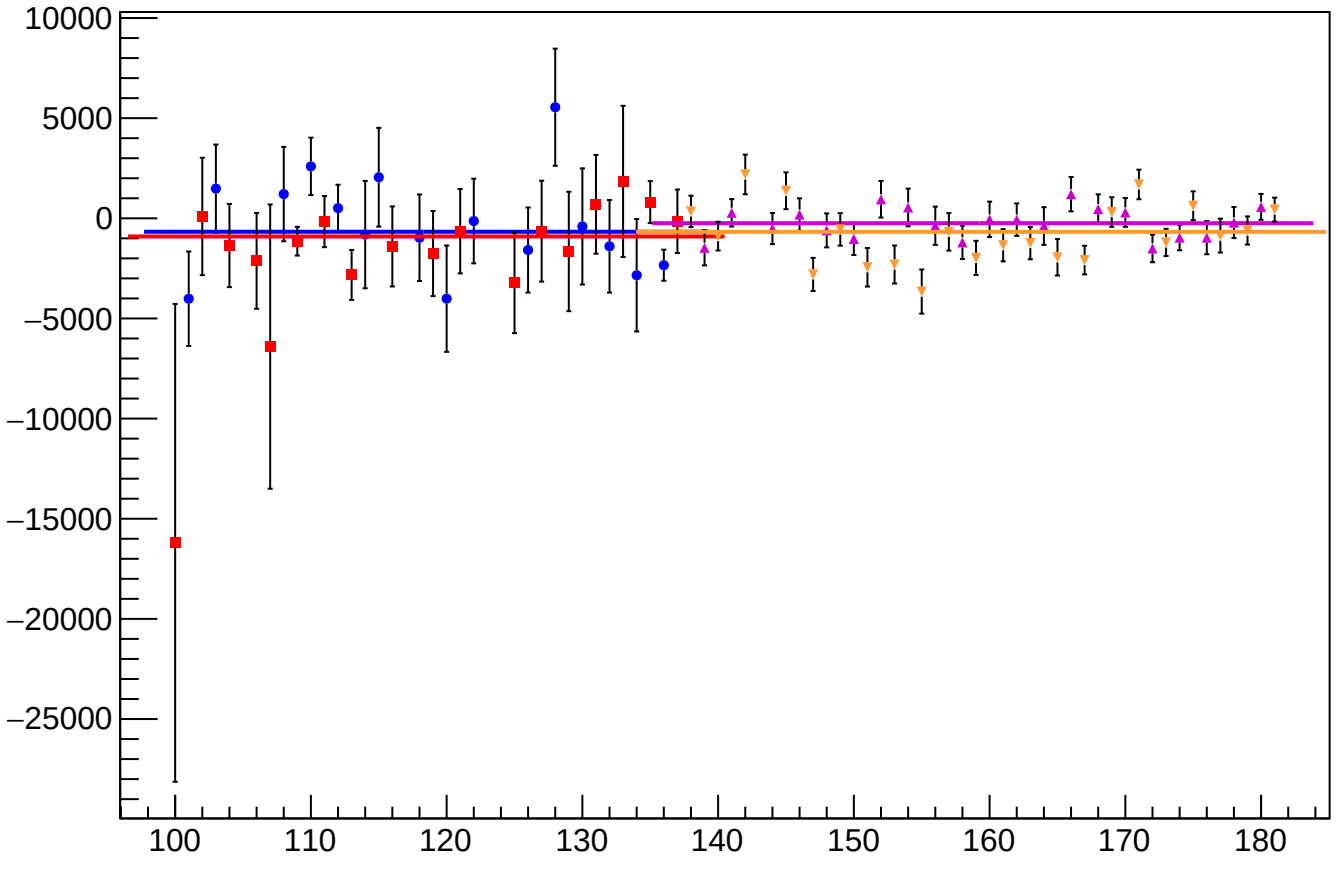
Right Out: 1827.785+/-0.484 χ^2/NDF: 102270.3/17

Left In: 1774.759+/-0.302 χ^2/NDF:14248.2/20

+ sign 1788.479+/-0.255 χ^2/NDF: 320922.8/37

All: 1789.053+/-0.181 χ^2/NDF: 446089.4/76

- sign 1789.633+/-0.256 χ^2/NDF: 125156.5/38



Right In: -670.539+/-442.505 χ^2/NDF: 22.8/15

Left Out: -674.936+/-170.128 χ^2/NDF:64.3/21

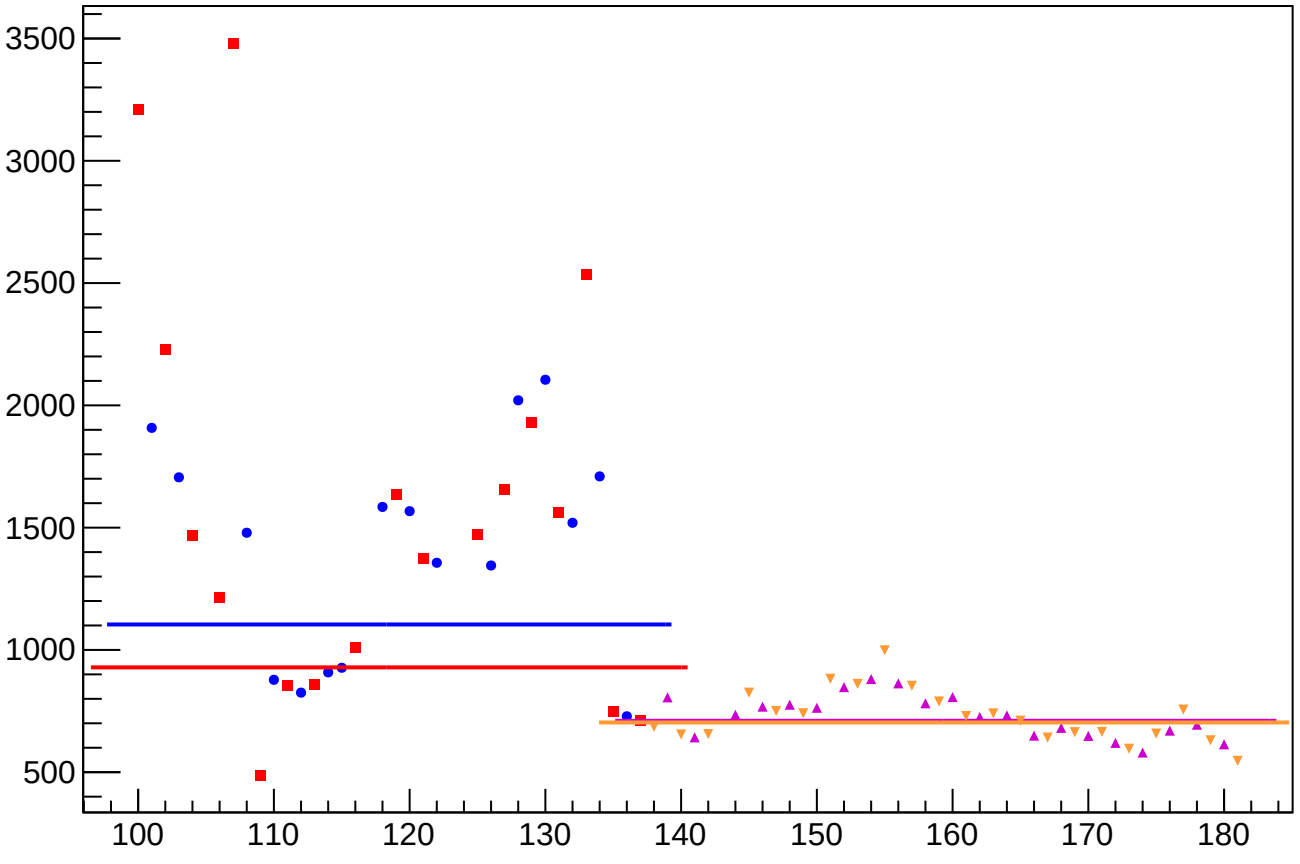
Right Out: -905.874+/-394.814 χ^2/NDF: 10.5/17

Left In: -243.215+/-172.578 χ^2/NDF:19.2/20

+ sign -674.370+/-158.796 χ^2/NDF: 87.0/37

All: -511.261+/-112.050 χ^2/NDF: 121.2/76

- sign -349.516+/-158.131 χ^2/NDF: 32.1/38



Right In: 1104.103+/-0.313 χ^2/NDF: 1894482.2/15

Left Out: 703.393+/-0.120 χ^2/NDF:658040.0/21

Right Out: 928.629+/-0.279 χ^2/NDF: 3054381.5/17

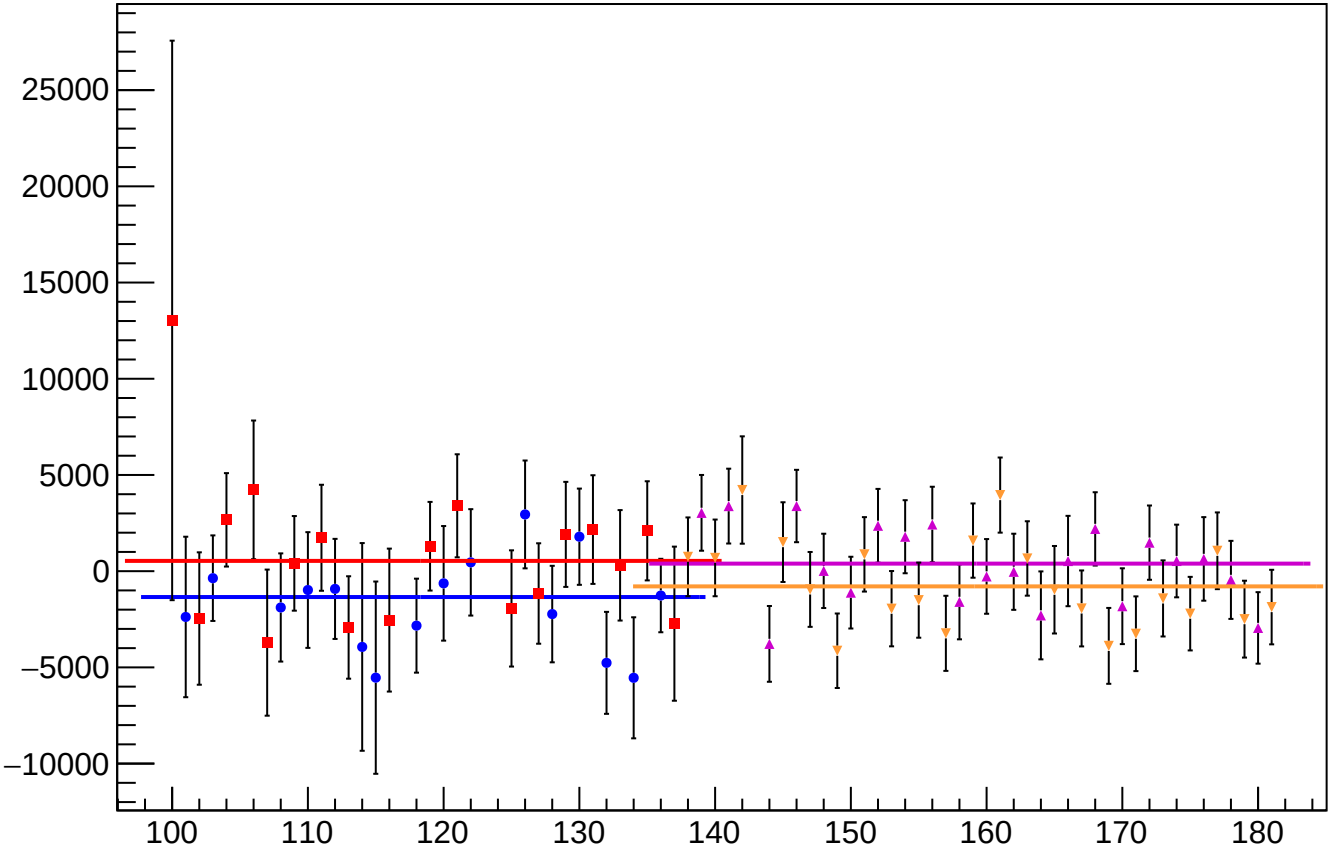
Left In: 710.218+/-0.122 χ^2/NDF:475741.7/20

\+ sign 754.996+/-0.112 χ^2/NDF: 3981352.9/37

All: 750.105+/-0.079 χ^2/NDF: 8029126.8/76

\- sign 745.255+/-0.112 χ^2/NDF: 4043995.1/38

dit_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -1343.952+/-690.940 χ^2/NDF: 9.6/15

Left Out: -790.577+/-426.180 χ^2/NDF:26.3/21

Right Out: 534.194+/-690.970 χ^2/NDF: 11.1/17

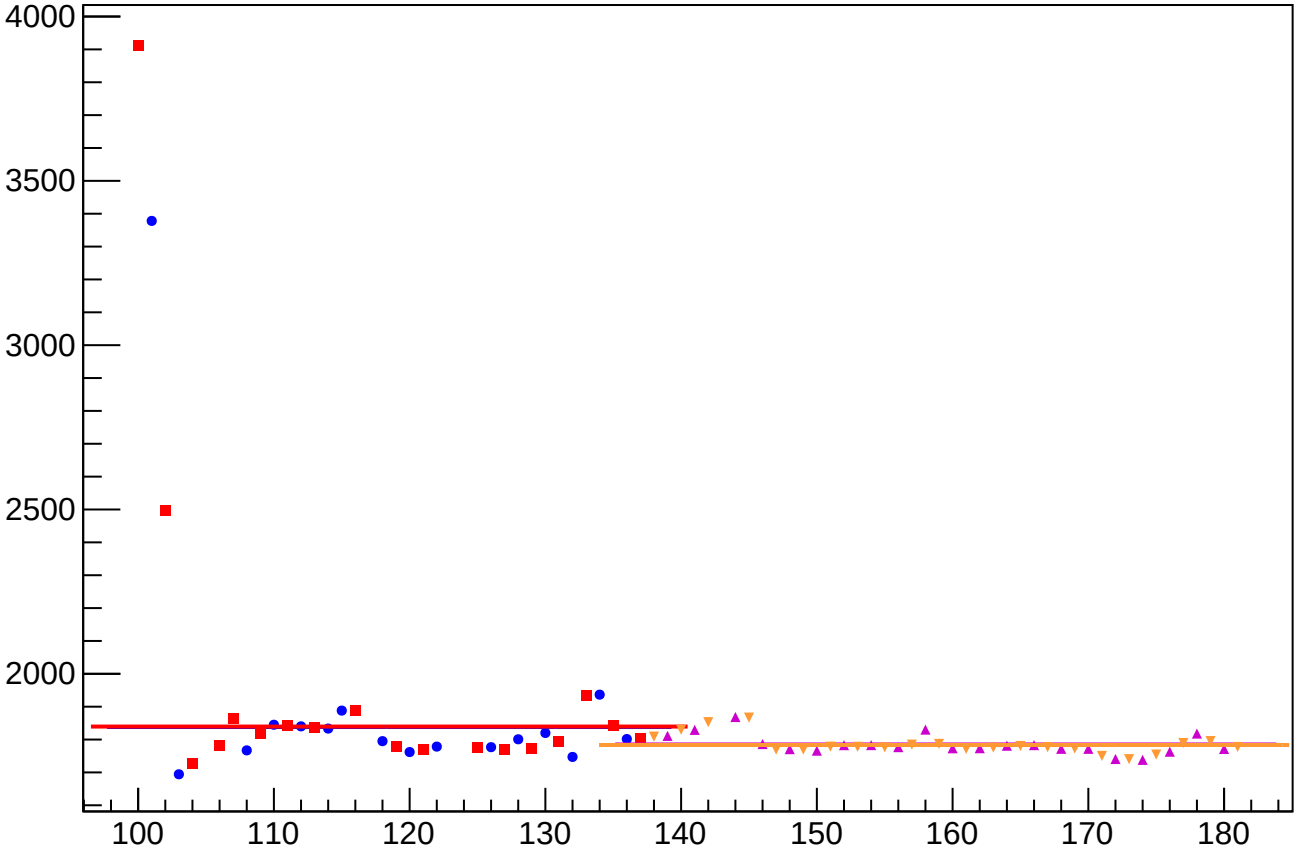
Left In: 392.186+/-429.796 χ^2/NDF:23.0/20

+ sign -943.088+/-362.729 χ^2/NDF: 36.4/37

All: -259.849+/-257.271 χ^2/NDF: 77.7/76

- sign 431.802+/-364.955 χ^2/NDF: 34.2/38

dit_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1838.159+/-0.489 χ^2/NDF: 291984.0/15

Left Out: 1783.448+/-0.301 χ^2/NDF:8440.3/21

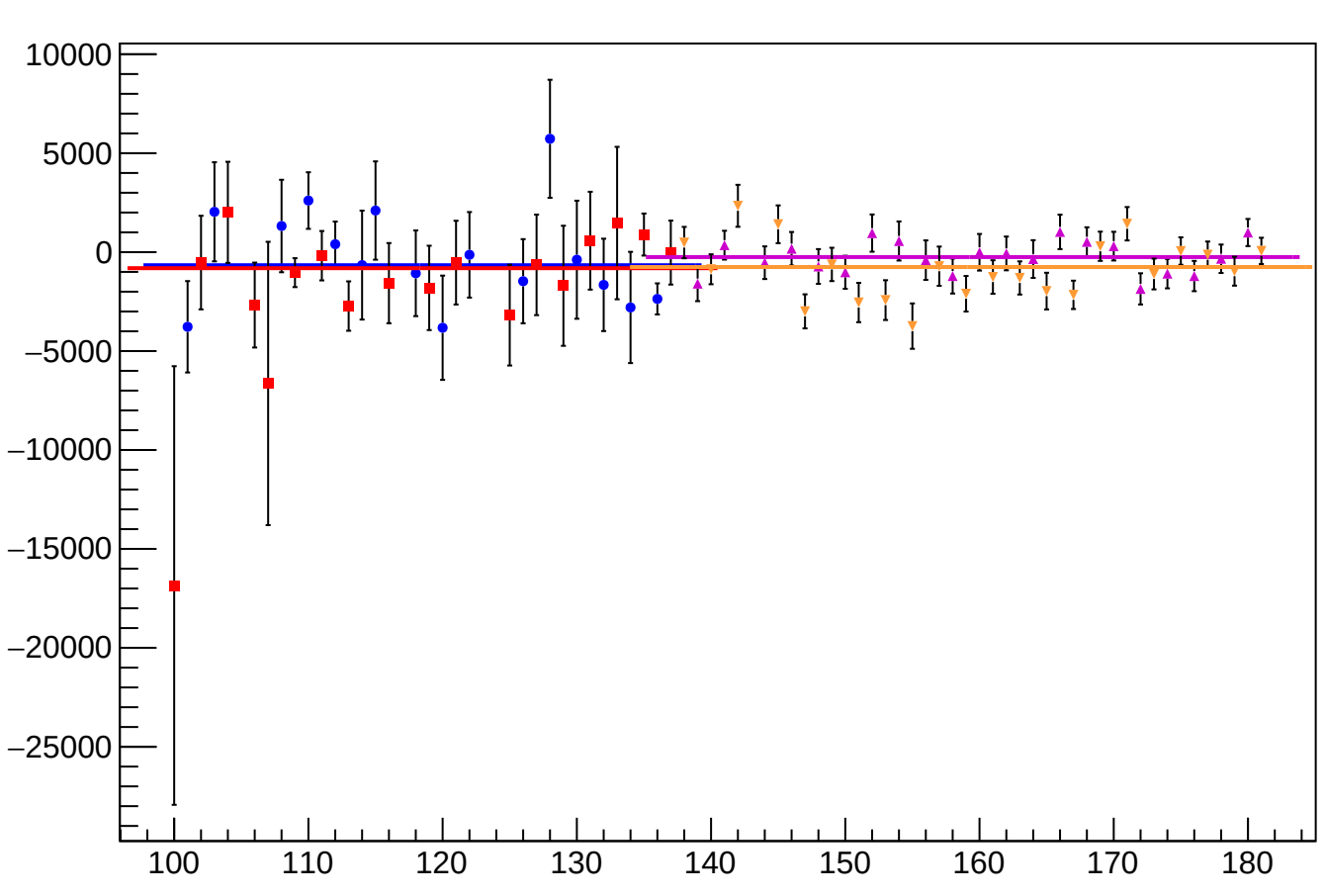
Right Out: 1839.517+/-0.489 χ^2/NDF: 128253.5/17

Left In: 1785.077+/-0.304 χ^2/NDF:9873.4/20

+ sign 1798.527+/-0.256 χ^2/NDF: 309508.4/37

All: 1799.390+/-0.182 χ^2/NDF: 456610.1/76

- sign 1800.264+/-0.258 χ^2/NDF: 147078.8/38



Right In: -663.489+/-445.903 χ^2/NDF: 22.8/15

Left Out: -754.182+/-175.732 χ^2/NDF:57.1/21

Right Out: -812.187+/-397.187 χ^2/NDF: 12.2/17

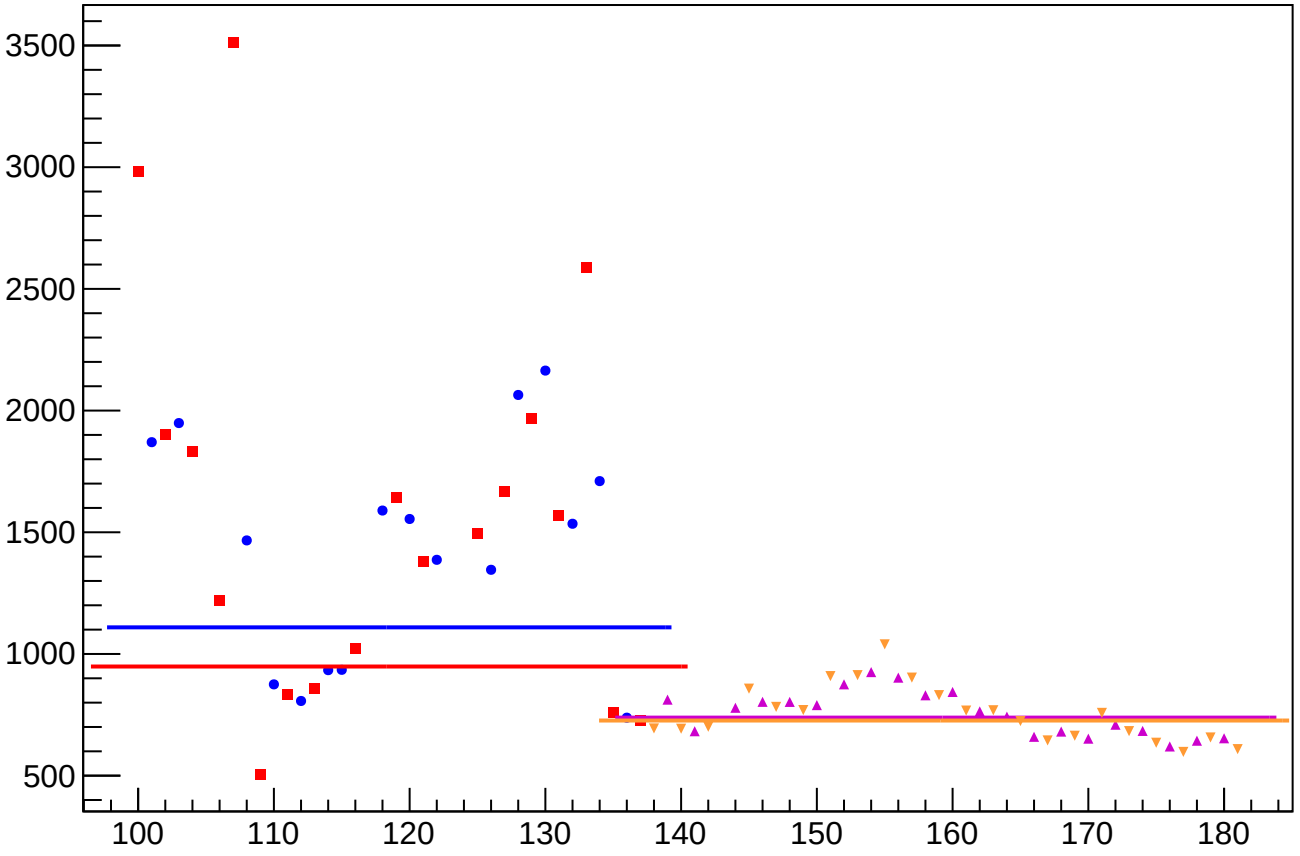
Left In: -249.739+/-179.326 χ^2/NDF:22.2/20

+ sign -741.989+/-163.493 χ^2/NDF: 79.9/37

All: -543.418+/-115.588 χ^2/NDF: 119.0/76

- sign -344.977+/-163.440 χ^2/NDF: 36.2/38

asym_us_dd_atlr_dd_avg_dit_correction_rms vs Slug



Right In: 1109.362+/-0.315 χ^2/NDF: 1973363.9/15

Left Out: 726.536+/-0.124 χ^2/NDF:684731.4/21

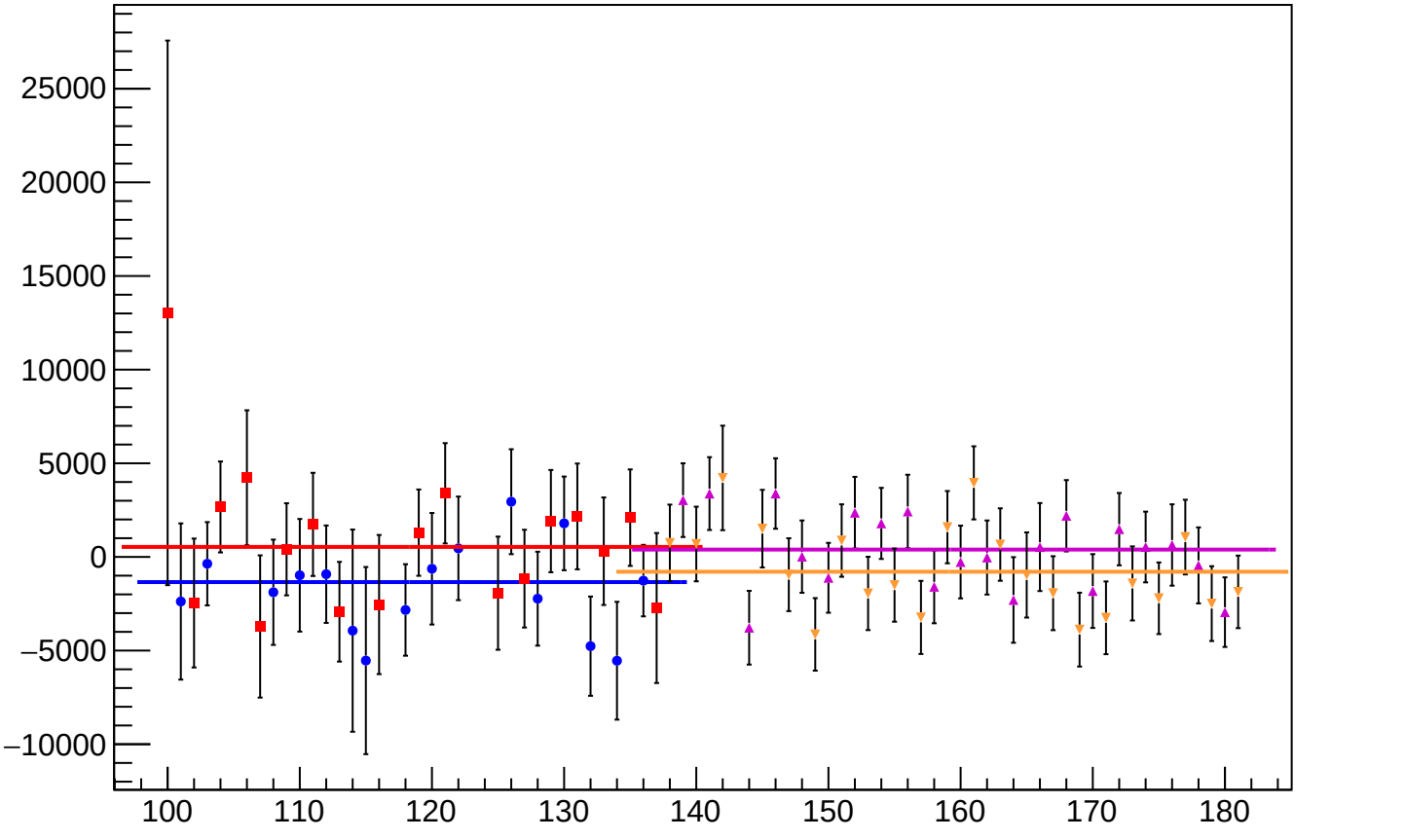
Right Out: 948.438+/-0.281 χ^2/NDF: 3053670.4/17

Left In: 738.491+/-0.127 χ^2/NDF:461969.1/20

+ sign 778.002+/-0.116 χ^2/NDF: 3934092.6/37

All: 776.021+/-0.082 χ^2/NDF: 7914503.0/76

- sign 774.041+/-0.116 χ^2/NDF: 3979823.3/38



Right In: -1343.955+/-690.940 χ^2/NDF: 9.6/15

Left Out: -790.576+/-426.180 χ^2/NDF:26.3/21

Right Out: 534.199+/-690.970 χ^2/NDF: 11.1/17

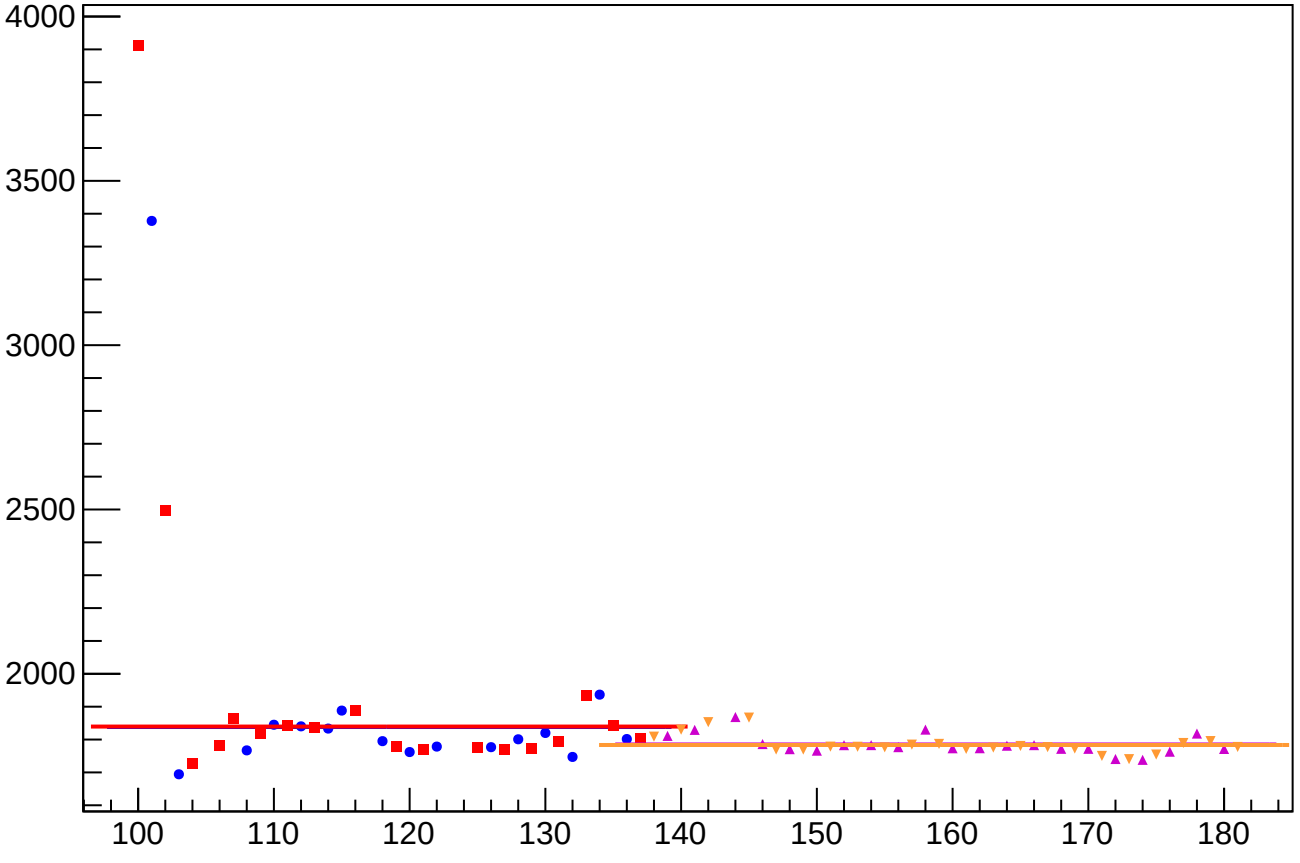
Left In: 392.185+/-429.796 χ^2/NDF:23.0/20

+ sign -943.088+/-362.729 χ^2/NDF: 36.4/37

All: -259.849+/-257.271 χ^2/NDF: 77.7/76

- sign 431.803+/-364.955 χ^2/NDF: 34.2/38

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: 1783.448+/-0.301 χ^2/NDF:8440.4/21

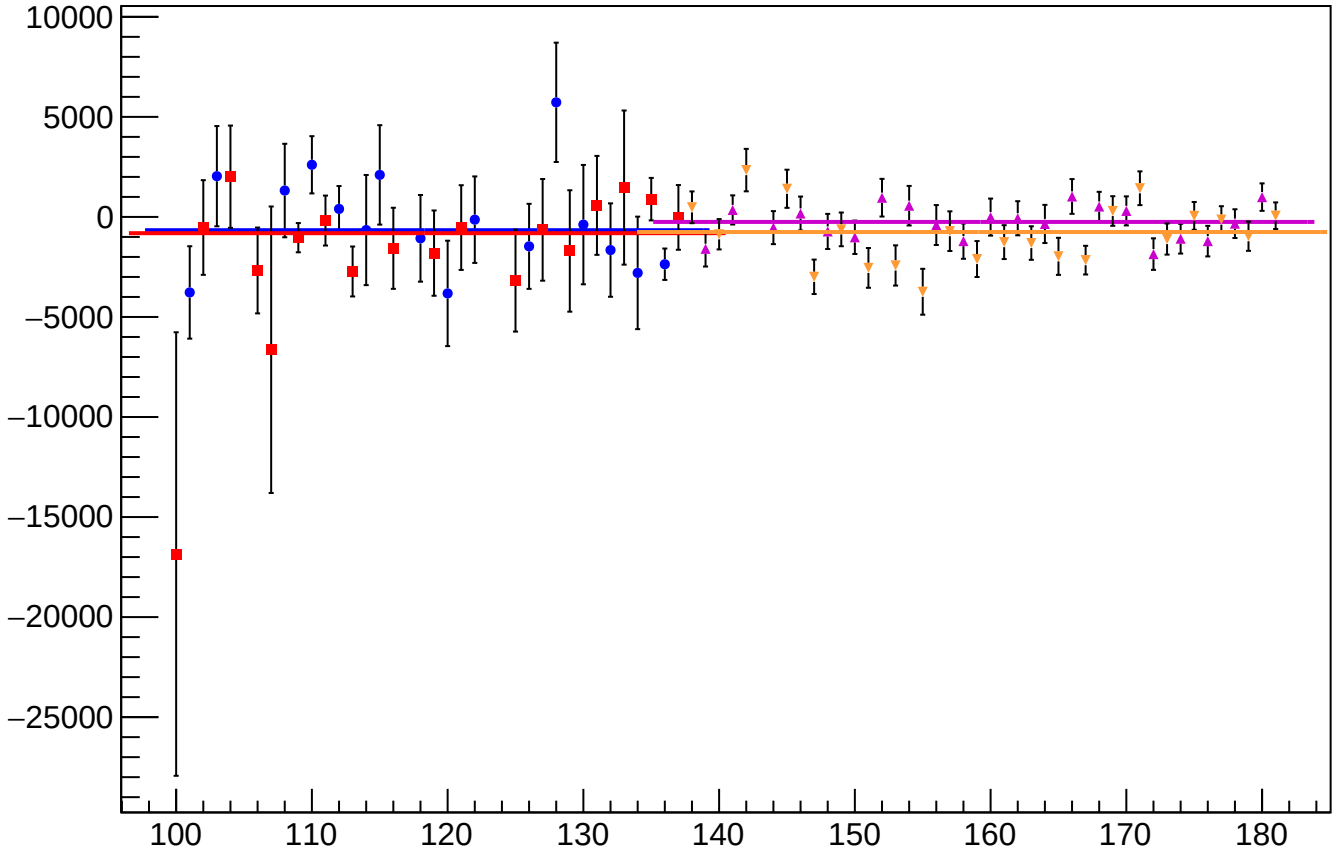
Right Out: 1839.517+/-0.489 χ^2/NDF: 128253.6/17

Left In: 1785.076+/-0.304 χ^2/NDF:9873.4/20

+ sign 1798.526+/-0.256 χ^2/NDF: 309508.4/37

All: 1799.390+/-0.182 χ^2/NDF: 456610.2/76

- sign 1800.264+/-0.258 χ^2/NDF: 147078.9/38



Right In: -663.476+/-445.904 χ^2/NDF: 22.8/15

Left Out: -754.183+/-175.732 χ^2/NDF:57.1/21

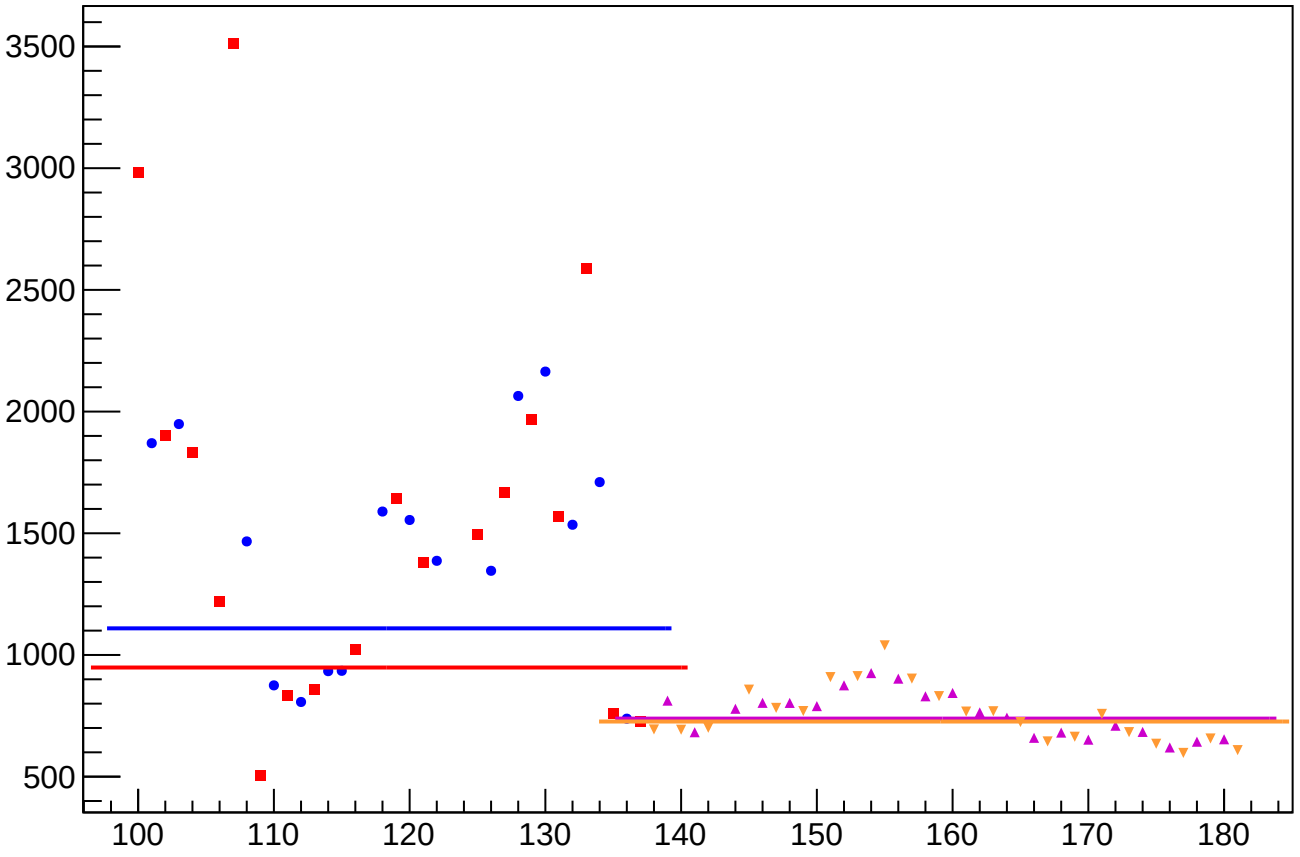
Right Out: -812.194+/-397.187 χ^2/NDF: 12.2/17

Left In: -249.737+/-179.326 χ^2/NDF:22.2/20

+ sign -741.989+/-163.493 χ^2/NDF: 79.9/37

All: -543.417+/-115.588 χ^2/NDF: 119.0/76

- sign -344.976+/-163.440 χ^2/NDF: 36.2/38



Right In: 1109.365+/-0.315 χ^2/NDF: 1973324.5/15

Left Out: 726.536+/-0.124 χ^2/NDF:684727.5/21

Right Out: 948.441+/-0.281 χ^2/NDF: 3053644.5/17

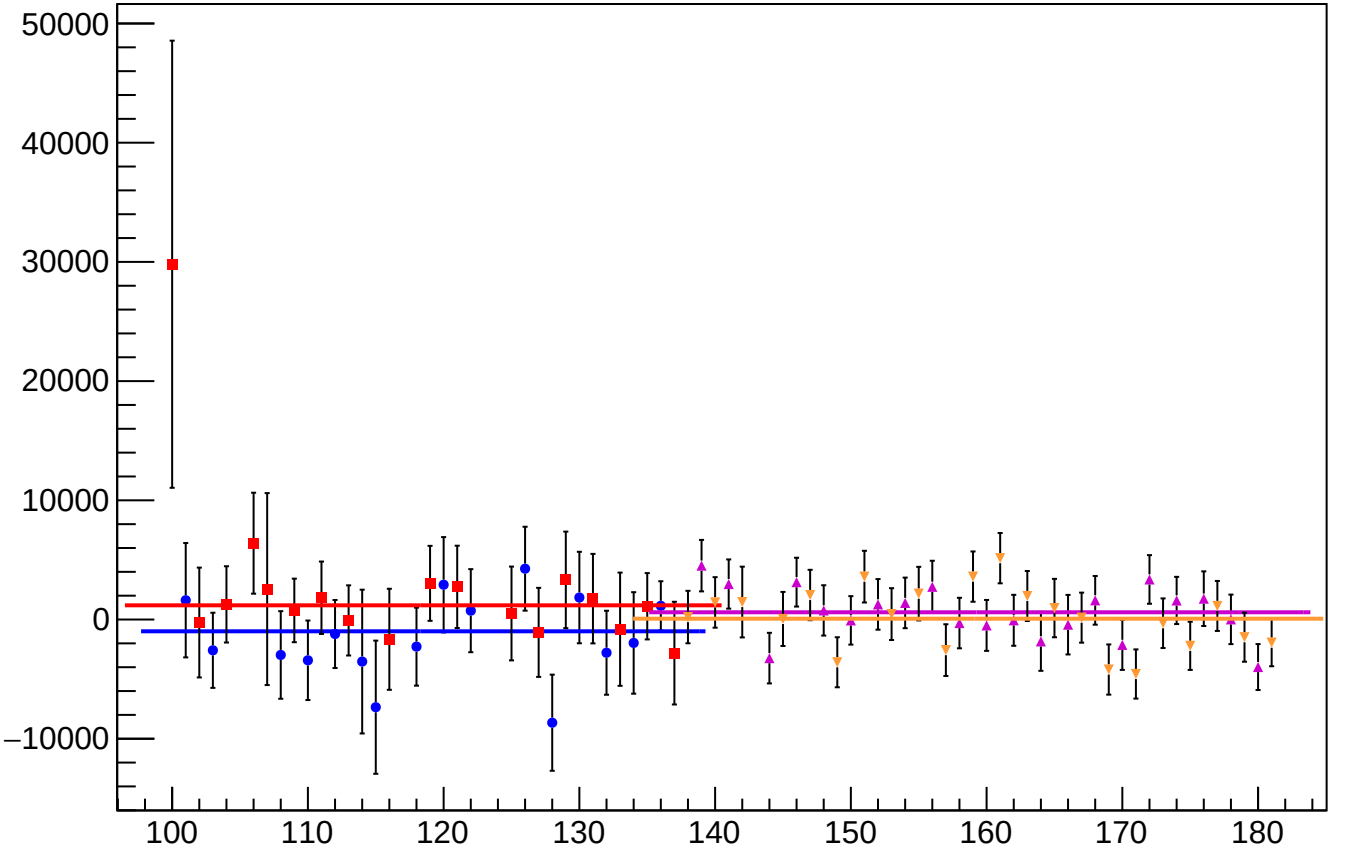
Left In: 738.491+/-0.127 χ^2/NDF:461981.0/20

+ sign 778.002+/-0.116 χ^2/NDF: 3934064.6/37

All: 776.021+/-0.082 χ^2/NDF: 7914473.4/76

- sign 774.041+/-0.116 χ^2/NDF: 3979821.4/38

asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -987.532+/-873.840 χ^2/NDF: 12.0/15

Left Out: 68.830+/-459.003 χ^2/NDF:31.4/21

Right Out: 1192.173+/-870.432 χ^2/NDF: 7.0/17

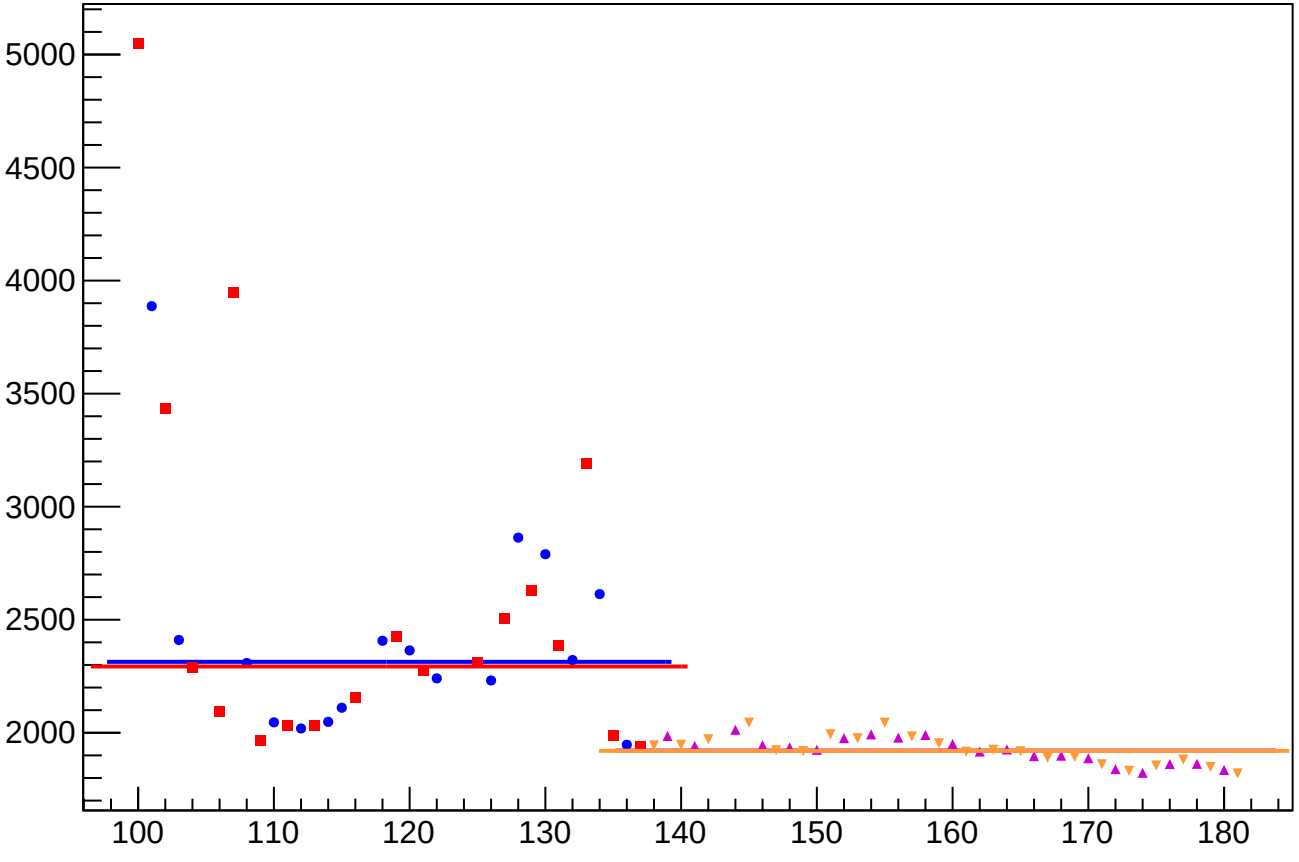
Left In: 608.475+/-462.804 χ^2/NDF:22.5/20

+ sign -159.604+/-406.355 χ^2/NDF: 44.6/37

All: 286.249+/-288.139 χ^2/NDF: 76.8/76

- sign 737.118+/-408.634 χ^2/NDF: 29.8/38

asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 2313.740+/-0.618 χ^2/NDF: 402756.6/15

Left Out: 1919.998+/-0.325 χ^2/NDF:35395.1/21

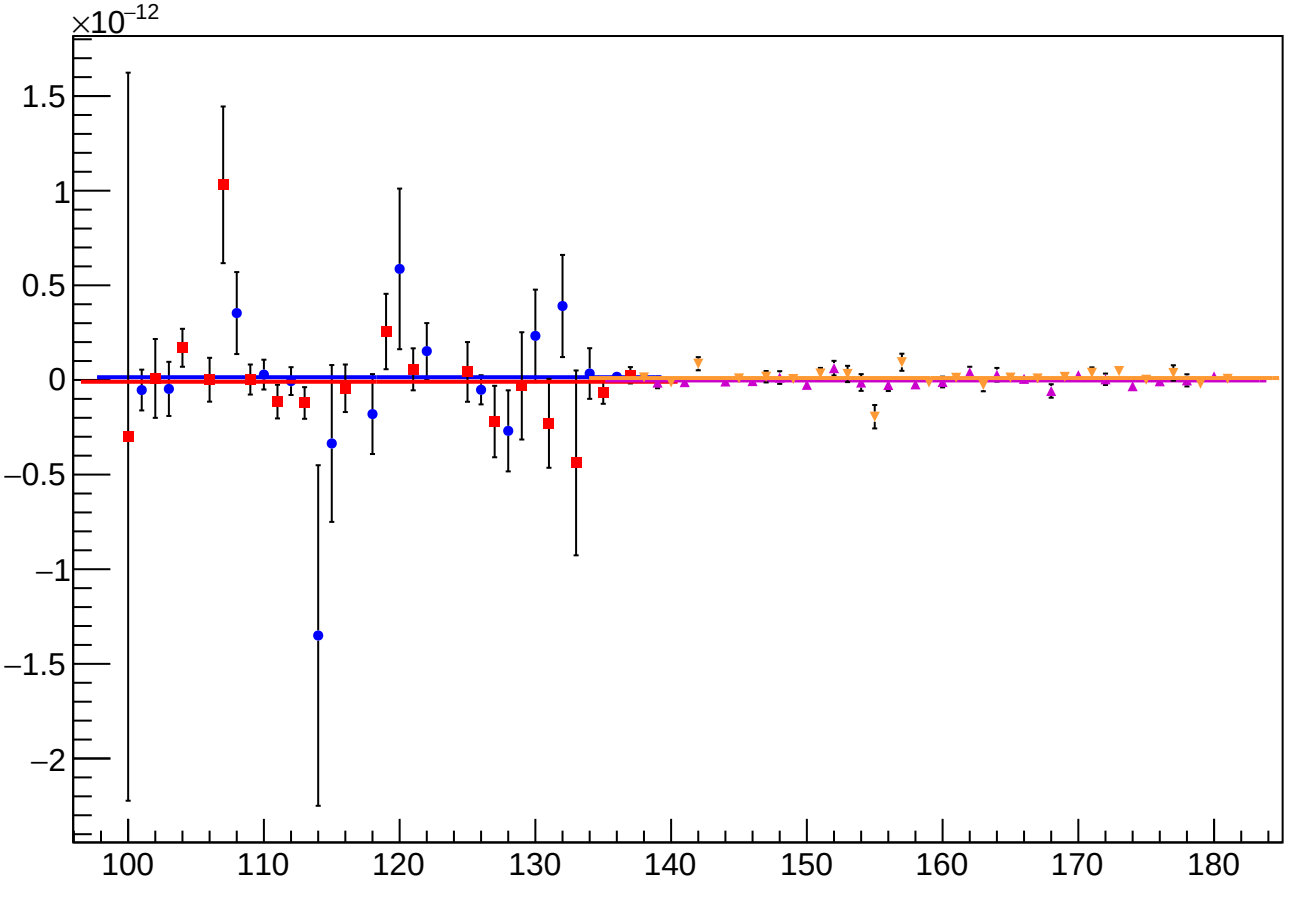
Right Out: 2293.273+/-0.615 χ^2/NDF: 453202.3/17

Left In: 1921.545+/-0.327 χ^2/NDF:29637.1/20

+ sign 2005.143+/-0.287 χ^2/NDF: 756405.6/37

All: 2004.313+/-0.204 χ^2/NDF: 1523637.5/76

- sign 2003.473+/-0.289 χ^2/NDF: 767215.1/38



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

Left Out: 0.000+/-0.000 χ^2/NDF:32.0/21

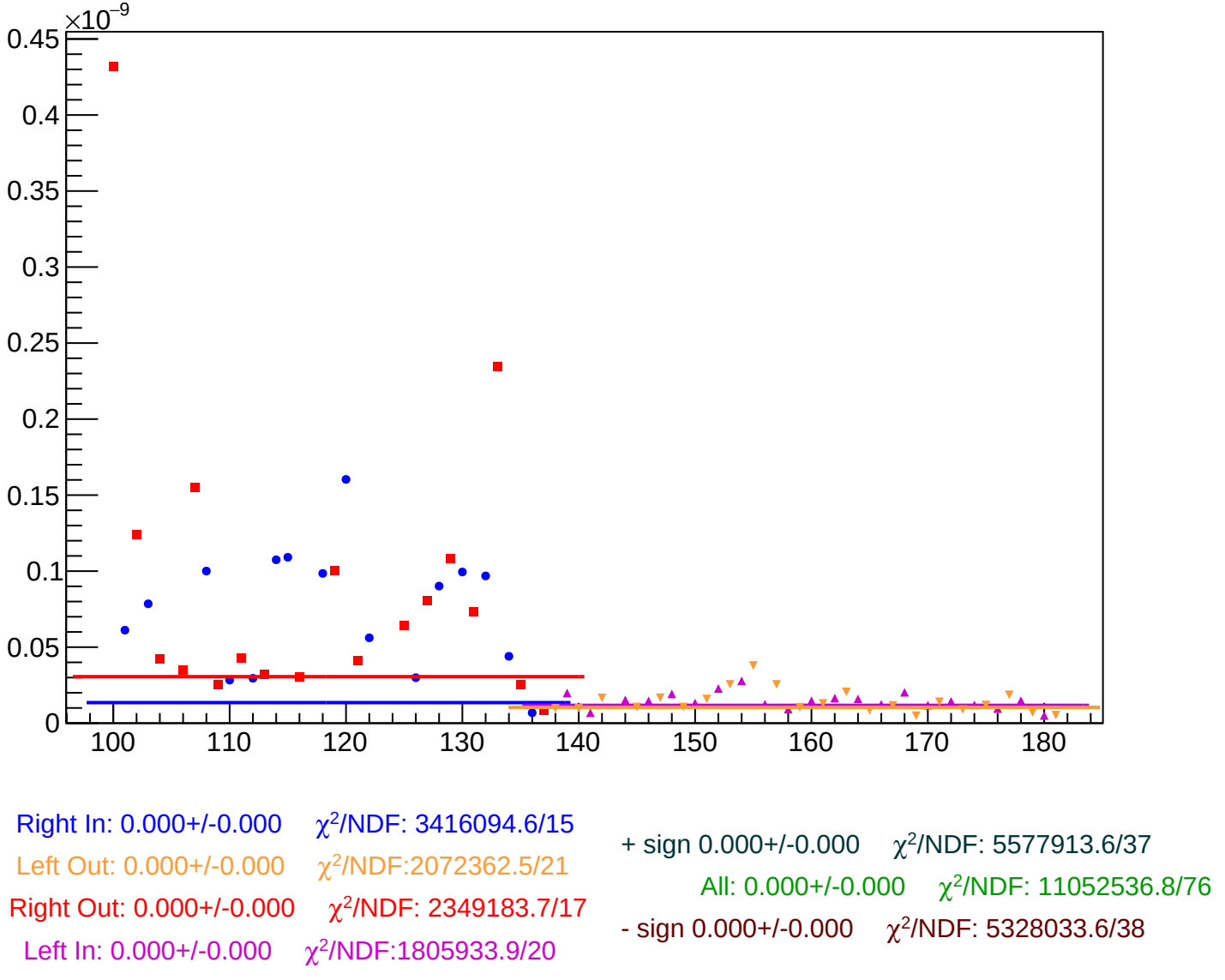
Right Out: -0.000+/-0.000 χ^2/NDF: 19.5/17

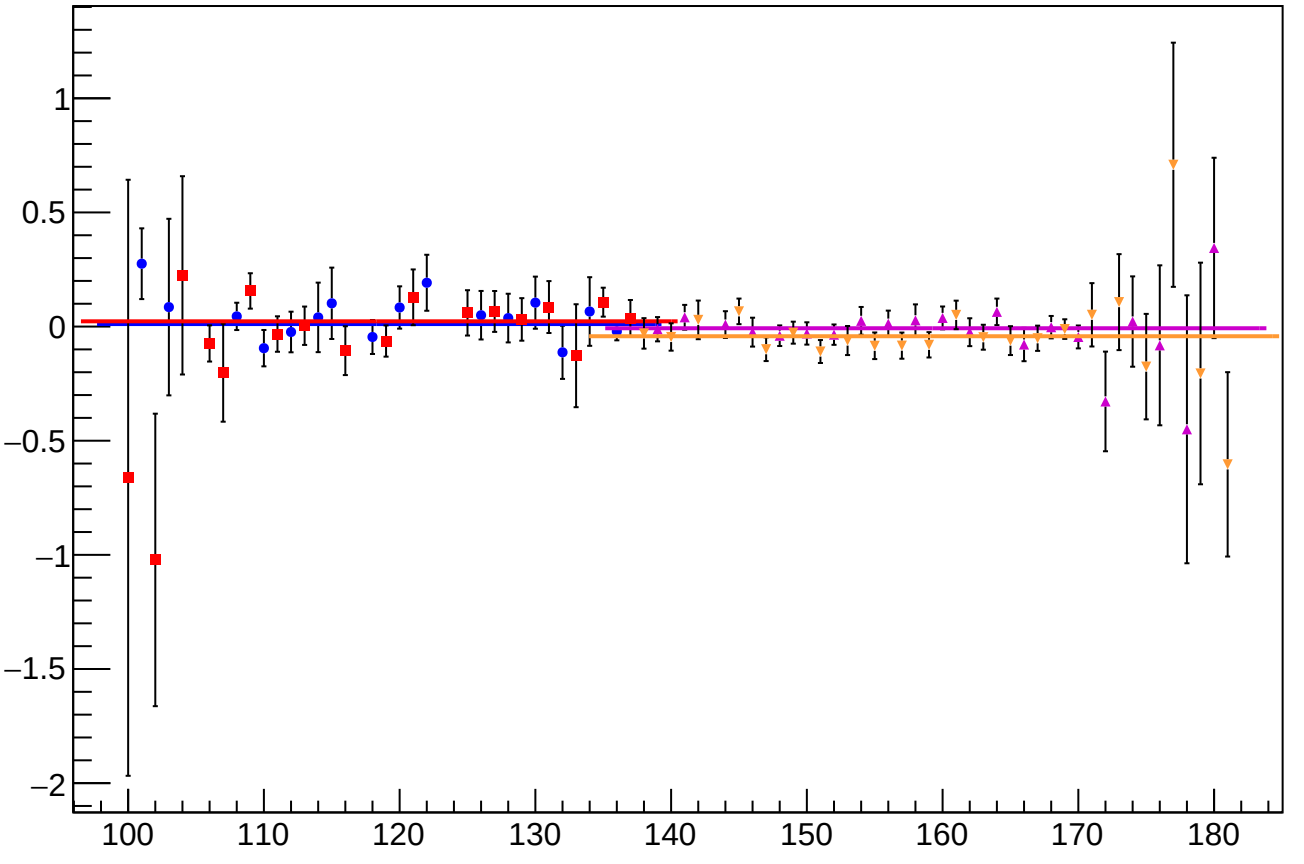
Left In: -0.000+/-0.000 χ^2/NDF:17.9/20

+ 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: 37.5/38


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:2072362.5/21
Right Out: 0.000+/-0.000 χ²/NDF: 2349183.7/17
Left In: 0.000+/-0.000 χ²/NDF:1805933.9/20
+ sign 0.000+/-0.000 χ²/NDF: 5577913.6/37
All: 0.000+/-0.000 χ²/NDF: 11052536.8/76
- sign 0.000+/-0.000 χ²/NDF: 5328033.6/38



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.042+/-0.014 χ^2/NDF:17.4/21

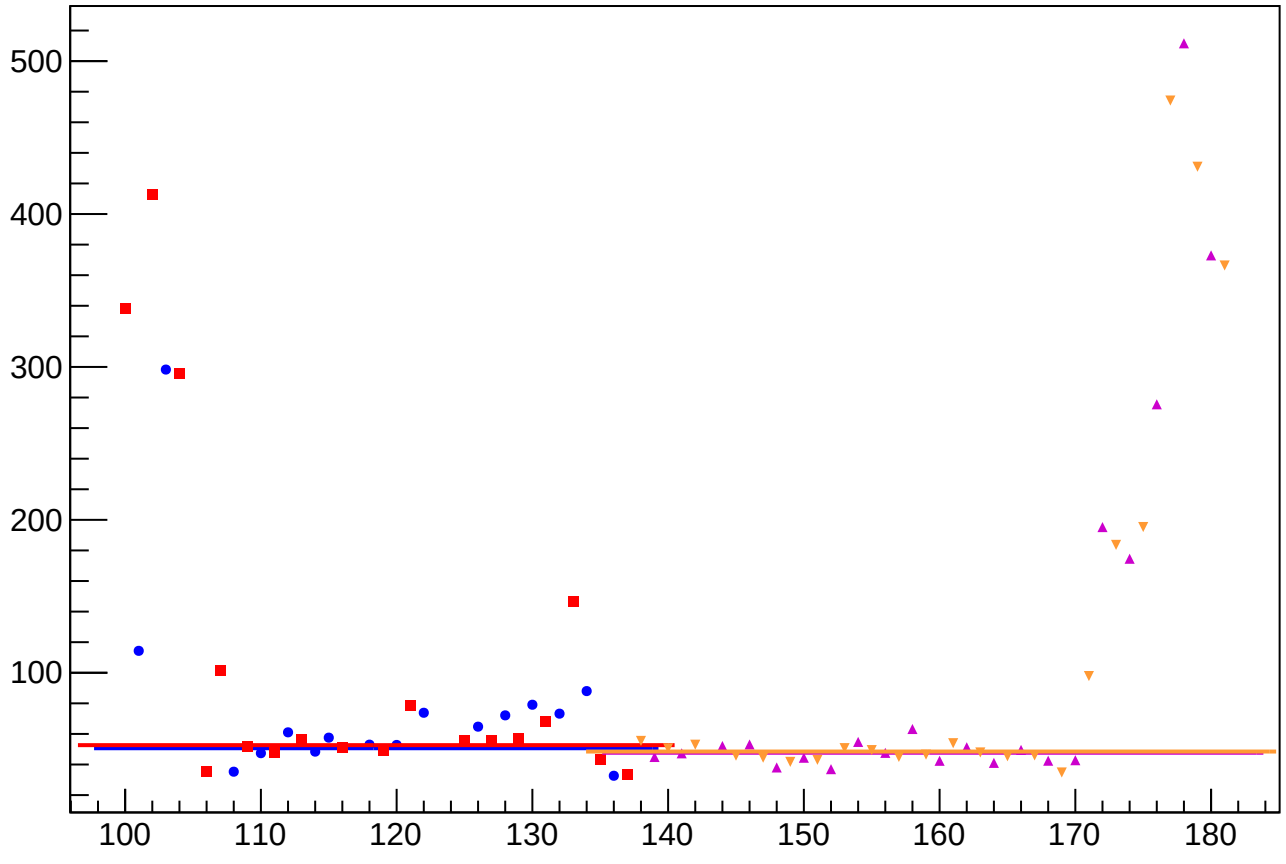
Right Out: 0.023+/-0.023 χ^2/NDF: 16.0/17

Left In: -0.007+/-0.014 χ^2/NDF:10.3/20

+ sign -0.027+/-0.012 χ^2/NDF: 33.4/37

All: -0.013+/-0.008 χ^2/NDF: 63.6/76

- sign 0.000+/-0.012 χ^2/NDF: 27.5/38



Right In: 50.645+/-0.015 χ^2/NDF: 2266445.6/15

Left Out: 48.489+/-0.010 χ^2/NDF:5986207.4/21

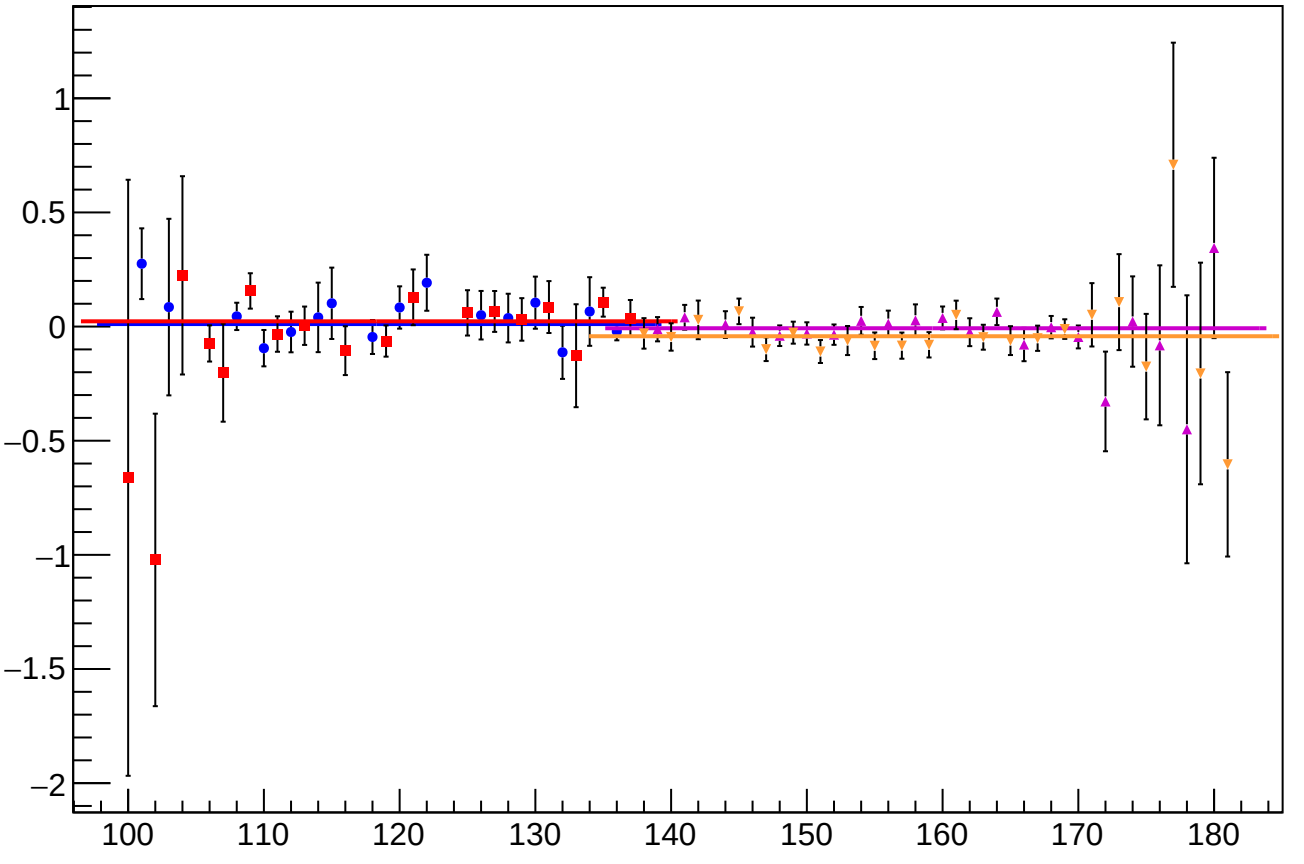
Right Out: 52.666+/-0.016 χ^2/NDF: 2211938.1/17

Left In: 47.684+/-0.010 χ^2/NDF:5658193.4/20

\+ sign 49.111+/-0.008 χ^2/NDF: 8266485.0/37

All: 49.034+/-0.006 χ^2/NDF: 16205977.9/76

\- sign 48.957+/-0.008 χ^2/NDF: 7939320.4/38



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.042+/-0.014 χ^2/NDF:17.4/21

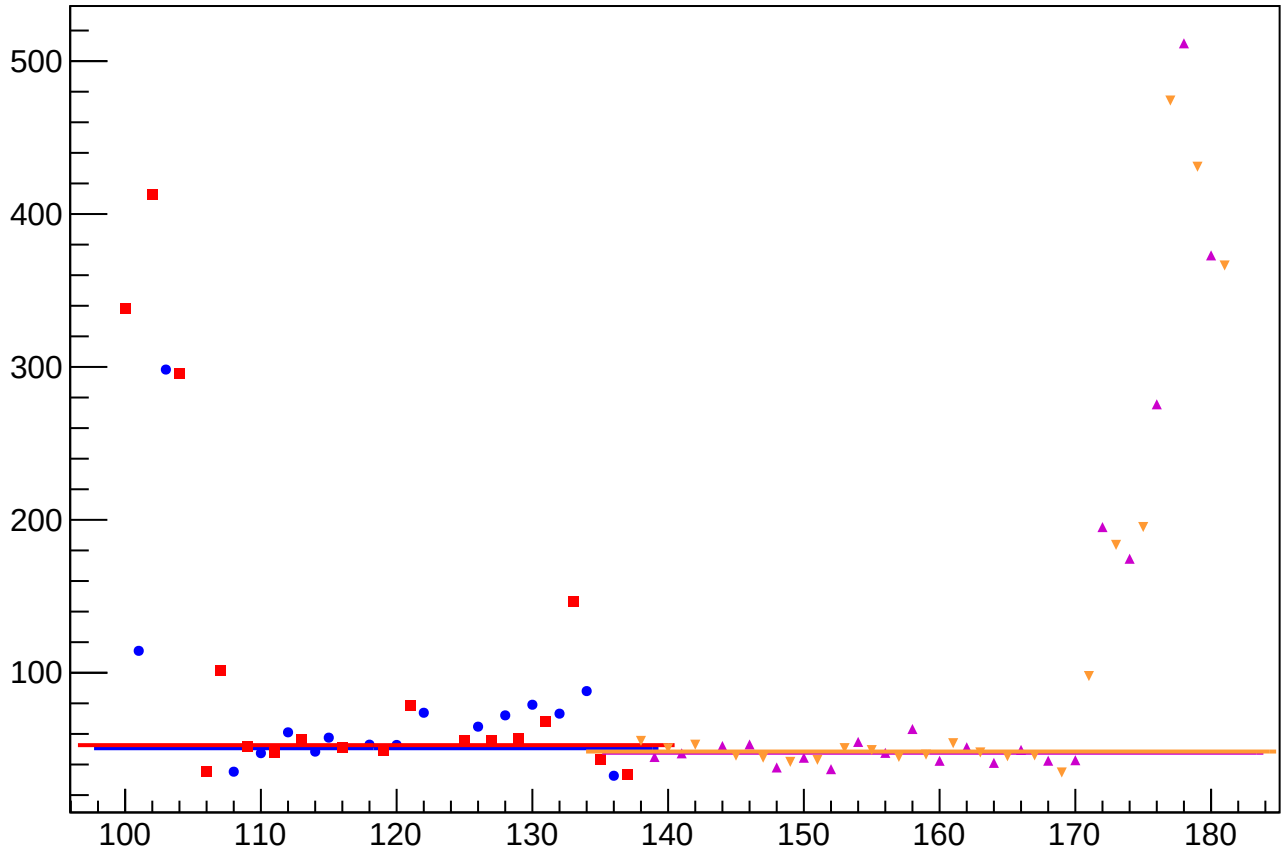
Right Out: 0.023+/-0.023 χ^2/NDF: 16.0/17

Left In: -0.007+/-0.014 χ^2/NDF:10.3/20

+ sign -0.027+/-0.012 χ^2/NDF: 33.4/37

All: -0.013+/-0.008 χ^2/NDF: 63.6/76

- sign 0.000+/-0.012 χ^2/NDF: 27.5/38



Right In: 50.645+/-0.015 χ^2/NDF: 2266445.6/15

Left Out: 48.489+/-0.010 χ^2/NDF:5986207.4/21

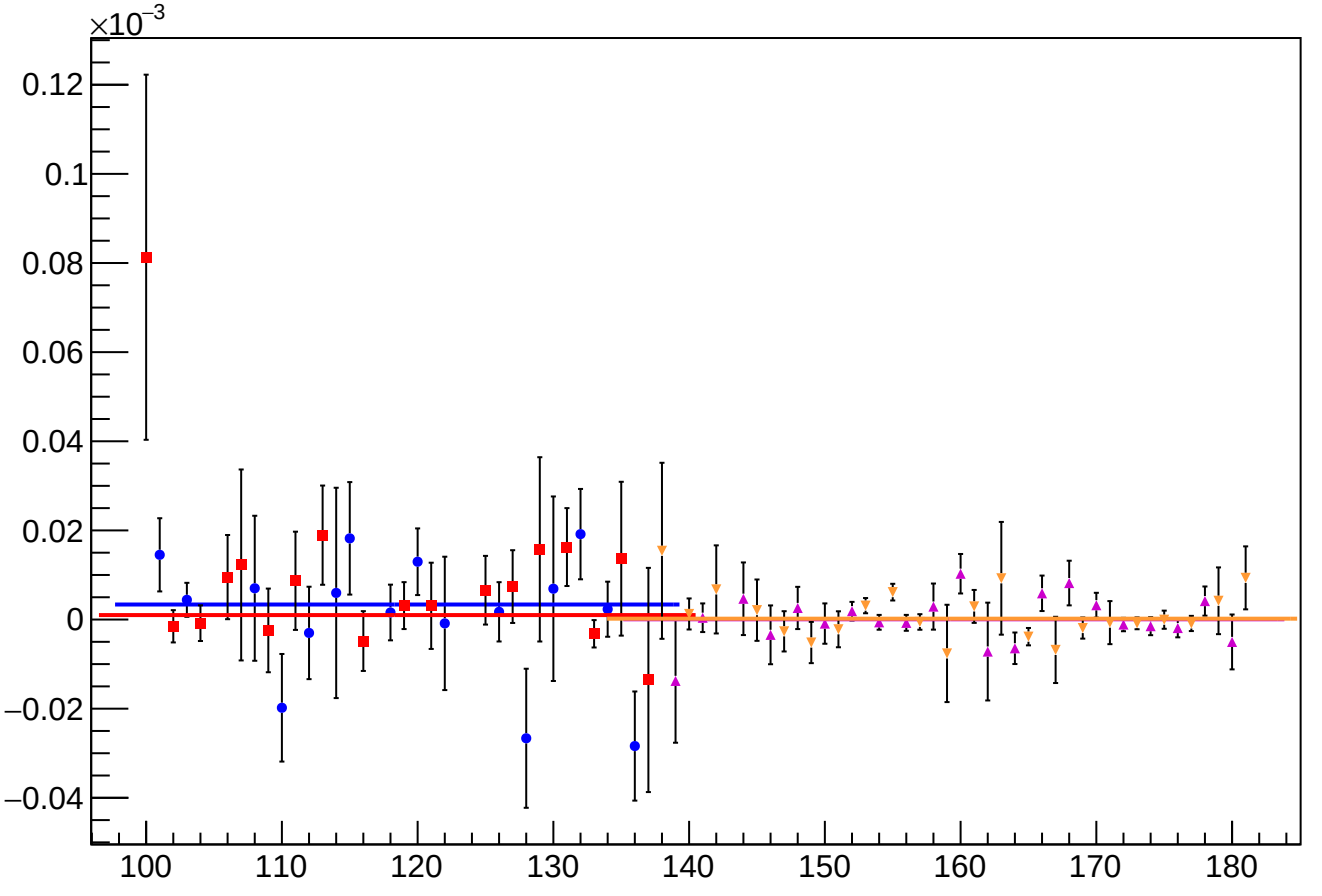
Right Out: 52.666+/-0.016 χ^2/NDF: 2211938.1/17

Left In: 47.684+/-0.010 χ^2/NDF:5658193.4/20

\+ sign 49.111+/-0.008 χ^2/NDF: 8266485.0/37

All: 49.034+/-0.006 χ^2/NDF: 16205977.9/76

\- sign 48.957+/-0.008 χ^2/NDF: 7939320.4/38



Right In: 0.000+/-0.000 χ^2/NDF: 22.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:27.1/21

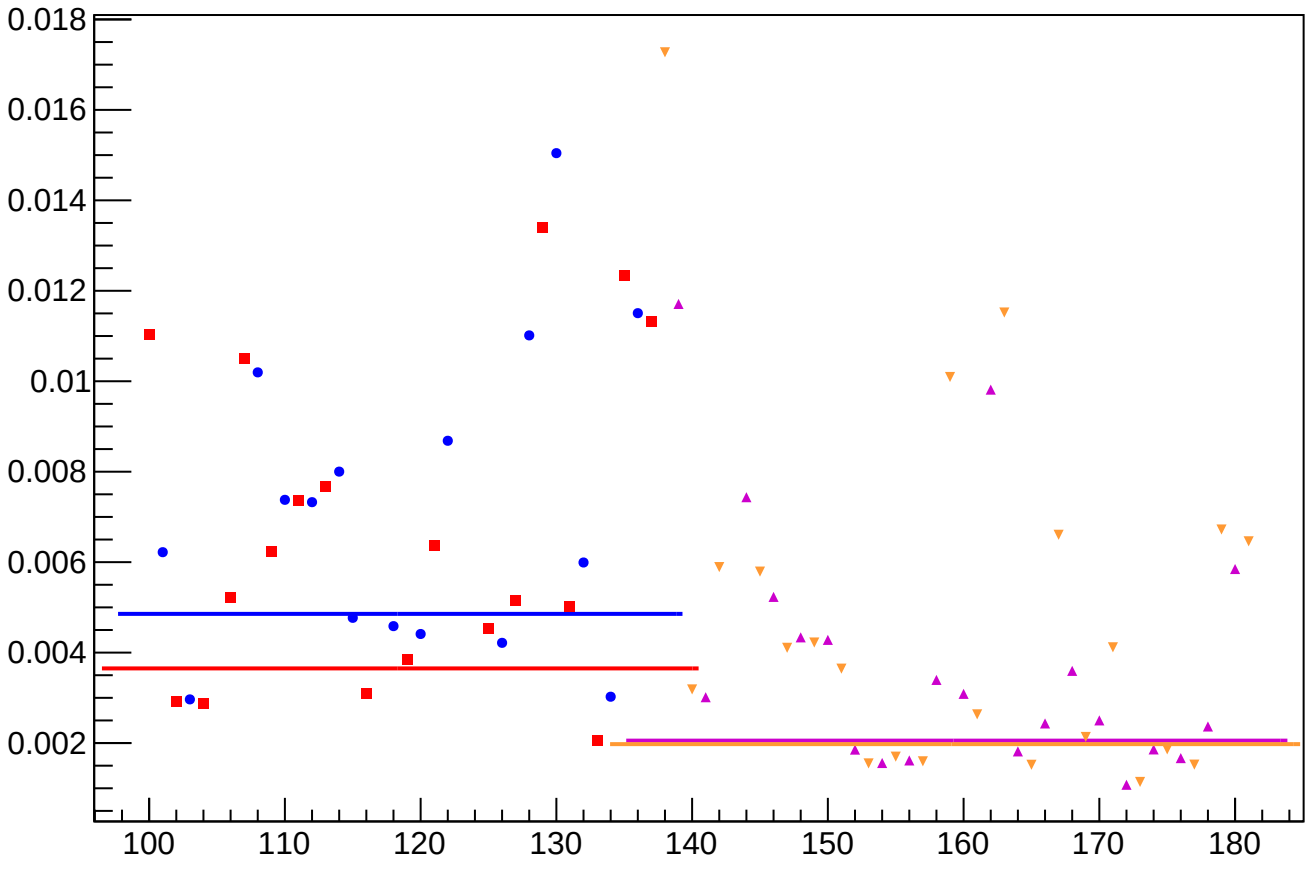
Right Out: 0.000+/-0.000 χ^2/NDF: 17.2/17

Left In: 0.000+/-0.000 χ^2/NDF:22.9/20

+ sign 0.000+/-0.000 χ^2/NDF: 51.4/37

All: 0.000+/-0.000 χ^2/NDF: 92.0/76

- sign 0.000+/-0.000 χ^2/NDF: 40.4/38



Right In: 0.005+/-0.000 χ^2/NDF: 2745089.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:10030575.8/21

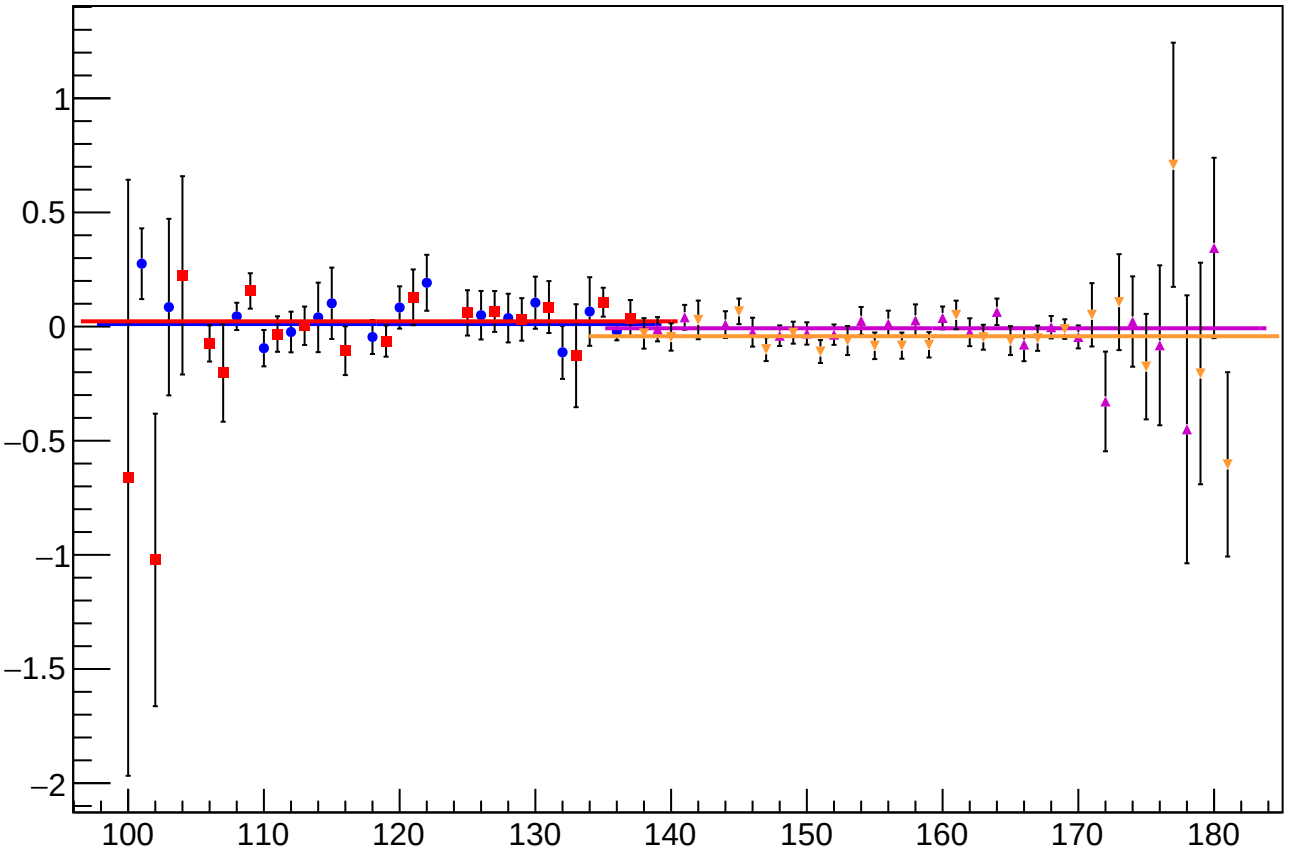
Right Out: 0.004+/-0.000 χ^2/NDF: 3108848.8/17

Left In: 0.002+/-0.000 χ^2/NDF:6967838.2/20

+ sign 0.002+/-0.000 χ^2/NDF: 16336989.7/37

All: 0.002+/-0.000 χ^2/NDF: 28233044.3/76

- sign 0.002+/-0.000 χ^2/NDF: 11871326.6/38



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.042+/-0.014 χ^2/NDF:17.4/21

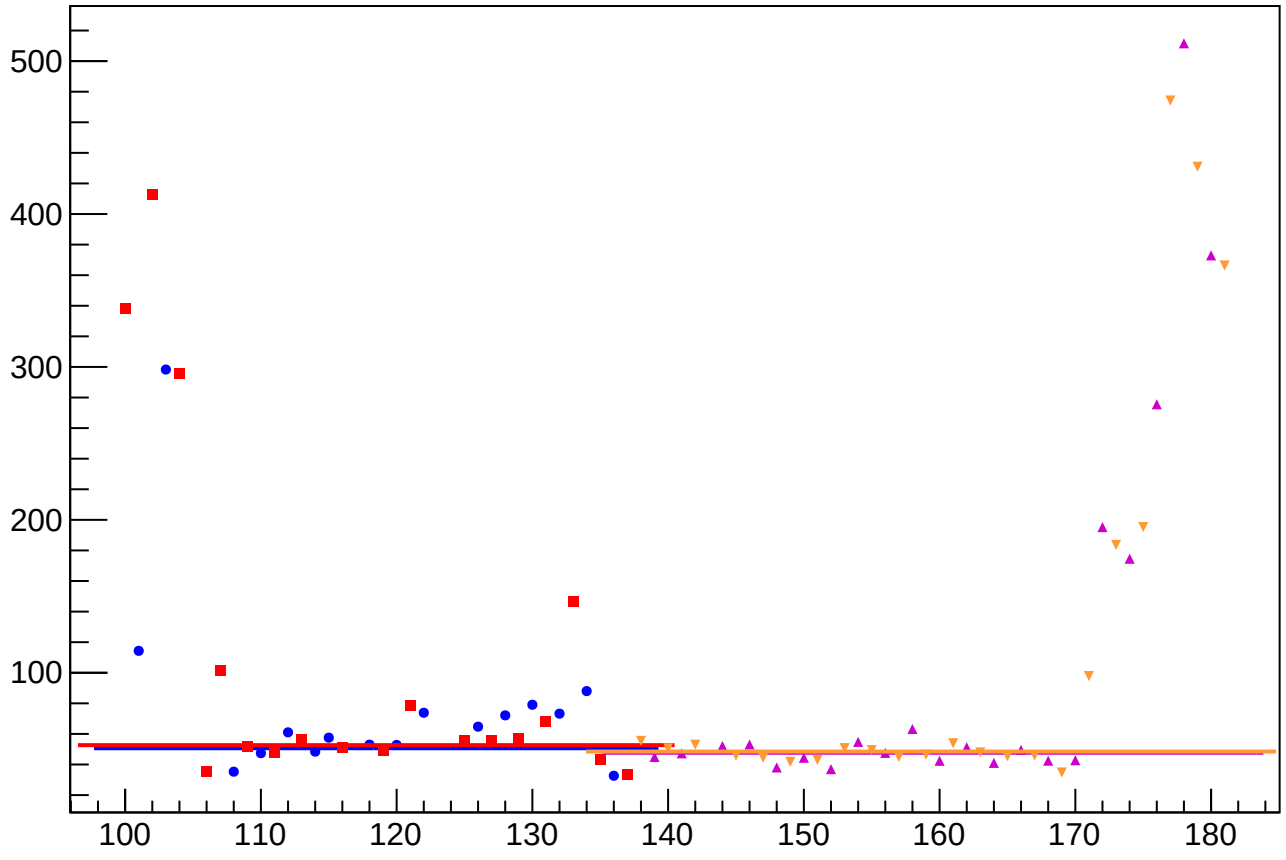
Right Out: 0.023+/-0.023 χ^2/NDF: 15.9/17

Left In: -0.007+/-0.014 χ^2/NDF:10.3/20

+ sign -0.027+/-0.012 χ^2/NDF: 33.4/37

All: -0.013+/-0.008 χ^2/NDF: 63.6/76

- sign 0.000+/-0.012 χ^2/NDF: 27.5/38



Right In: 50.646+/-0.015 χ^2/NDF: 2266348.3/15

Left Out: 48.488+/-0.010 χ^2/NDF:5986220.4/21

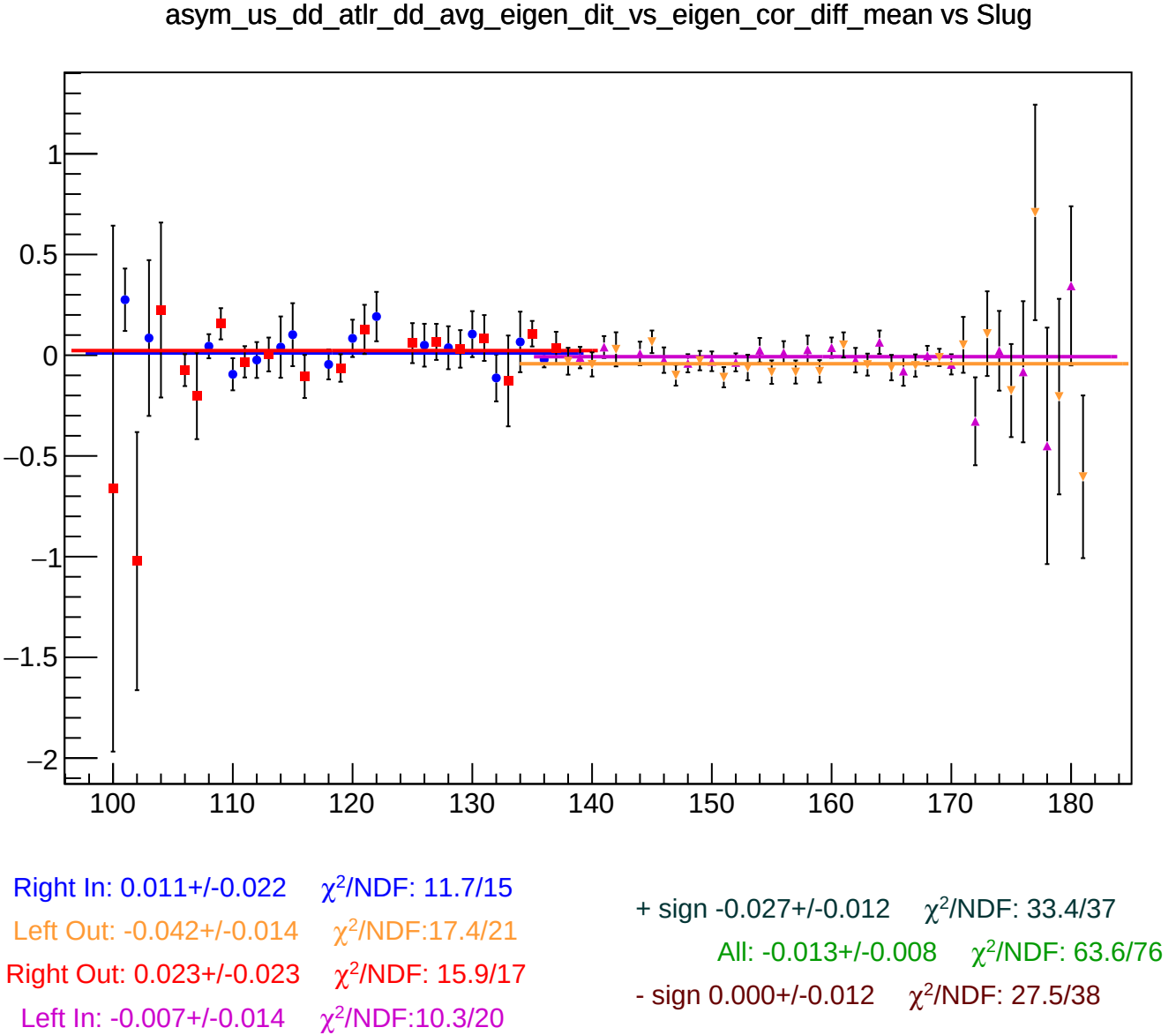
Right Out: 52.667+/-0.016 χ^2/NDF: 2211822.2/17

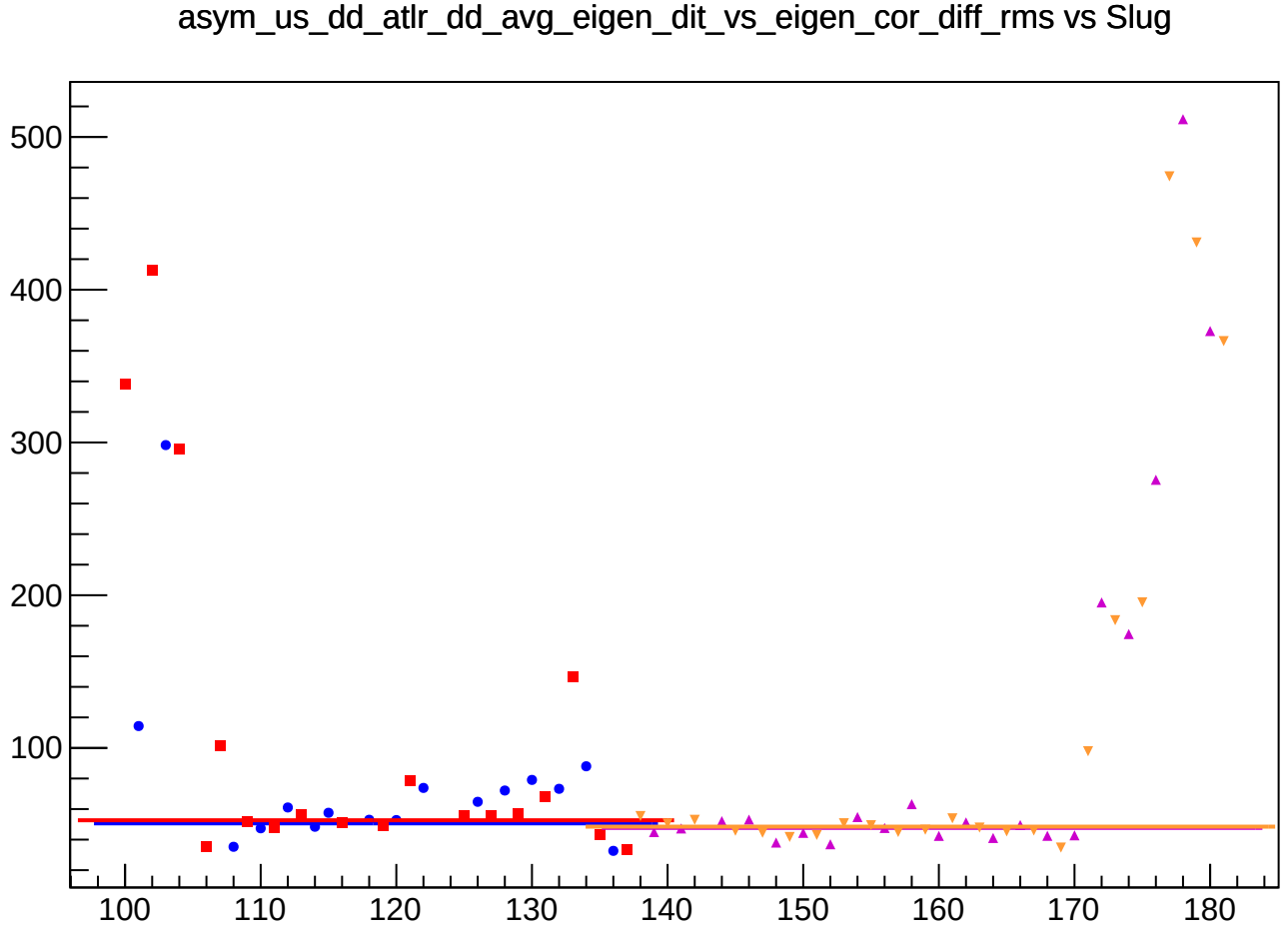
Left In: 47.684+/-0.010 χ^2/NDF:5658123.8/20

+ sign 49.111+/-0.008 χ^2/NDF: 8266410.9/37

All: 49.034+/-0.006 χ^2/NDF: 16205731.1/76

- sign 48.958+/-0.008 χ^2/NDF: 7939148.9/38


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:17.4/21
Right Out: 0.023+/-0.023 χ²/NDF: 15.9/17
Left In: -0.007+/-0.014 χ²/NDF:10.3/20
+ sign -0.027+/-0.012 χ²/NDF: 33.4/37
All: -0.013+/-0.008 χ²/NDF: 63.6/76
- sign 0.000+/-0.012 χ²/NDF: 27.5/38



Right In: 50.646+/-0.015 χ^2/NDF: 2266348.3/15

Left Out: 48.488+/-0.010 χ^2/NDF:5986220.4/21

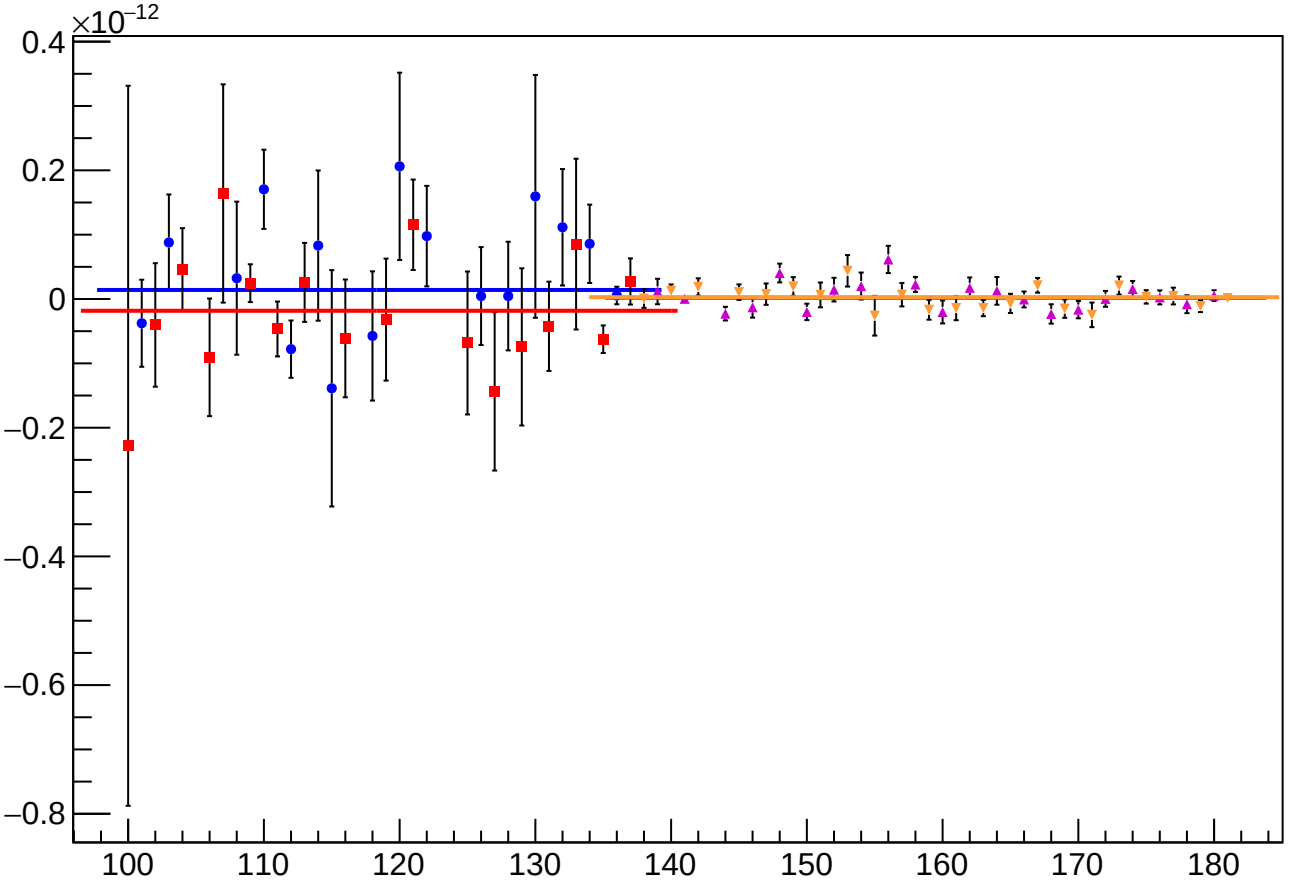
Right Out: 52.667+/-0.016 χ^2/NDF: 2211822.2/17

Left In: 47.684+/-0.010 χ^2/NDF:5658123.8/20

+ sign 49.111+/-0.008 χ^2/NDF: 8266410.9/37

All: 49.034+/-0.006 χ^2/NDF: 16205731.1/76

- sign 48.958+/-0.008 χ^2/NDF: 7939148.9/38



Right In: 0.000+/-0.000 χ^2/NDF: 20.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:22.9/21

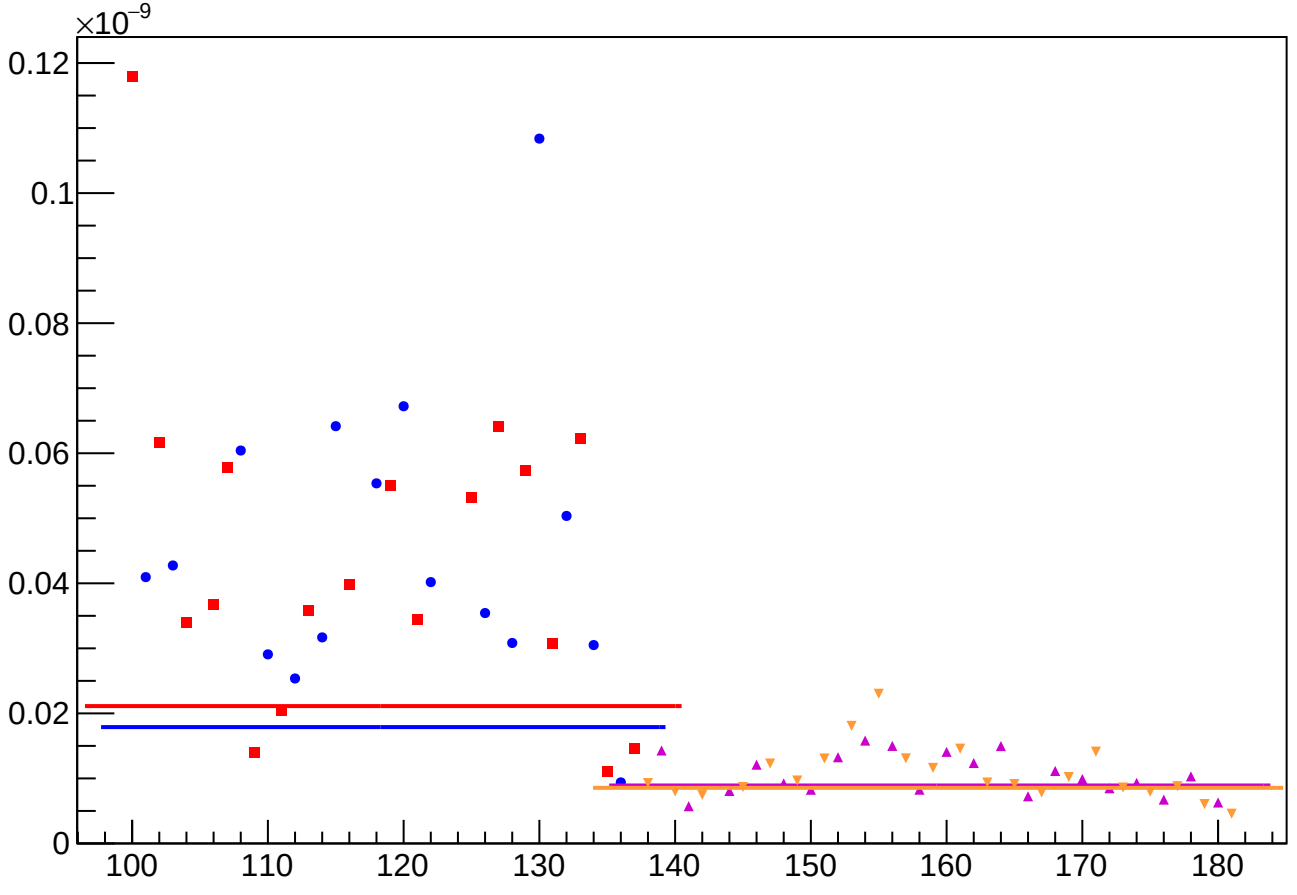
Right Out: -0.000+/-0.000 χ^2/NDF: 18.0/17

Left In: 0.000+/-0.000 χ^2/NDF:38.0/20

+ sign 0.000+/-0.000 χ^2/NDF: 44.2/37

All: 0.000+/-0.000 χ^2/NDF: 103.1/76

- sign 0.000+/-0.000 χ^2/NDF: 58.5/38



Right In: 0.000+/-0.000 χ^2/NDF: 3398524.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:2488706.9/21

Right Out: 0.000+/-0.000 χ^2/NDF: 2621588.2/17

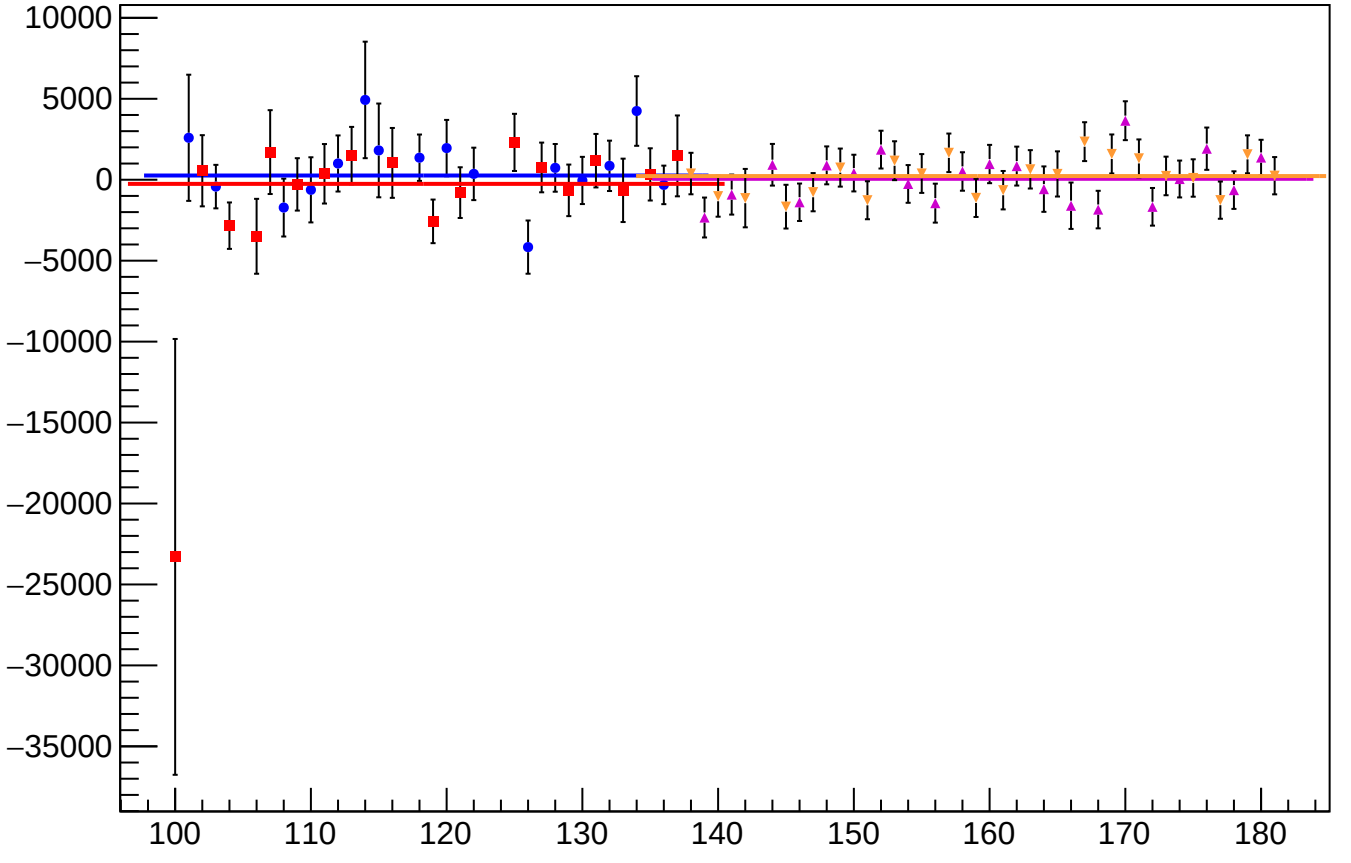
Left In: 0.000+/-0.000 χ^2/NDF:1885890.6/20

+ sign 0.000+/-0.000 χ^2/NDF: 7171765.3/37

All: 0.000+/-0.000 χ^2/NDF: 13508897.4/76

- sign 0.000+/-0.000 χ^2/NDF: 6311263.8/38

reg_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 260.797+/-424.657 χ^2/NDF: 16.9/15

Left Out: 226.297+/-259.853 χ^2/NDF:18.4/21

Right Out: -255.934+/-425.784 χ^2/NDF: 17.4/17

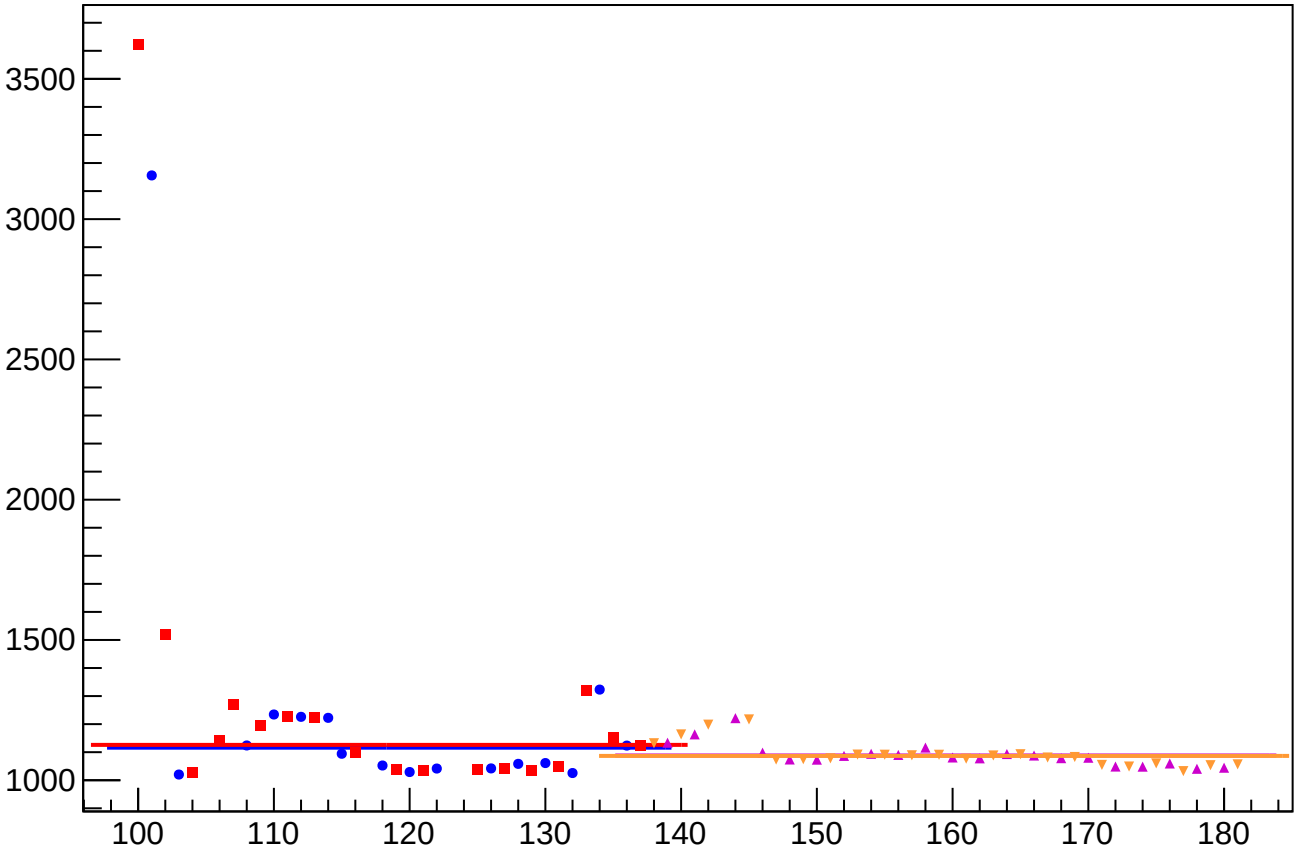
Left In: 57.245+/-262.167 χ^2/NDF:31.4/20

+ sign 235.696+/-221.648 χ^2/NDF: 35.4/37

All: 104.372+/-157.290 χ^2/NDF: 85.2/76

- sign -28.848+/-223.243 χ^2/NDF: 49.2/38

reg_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1116.089+/-0.300 χ^2/NDF: 623390.9/15

Left Out: 1086.726+/-0.184 χ^2/NDF:48828.2/21

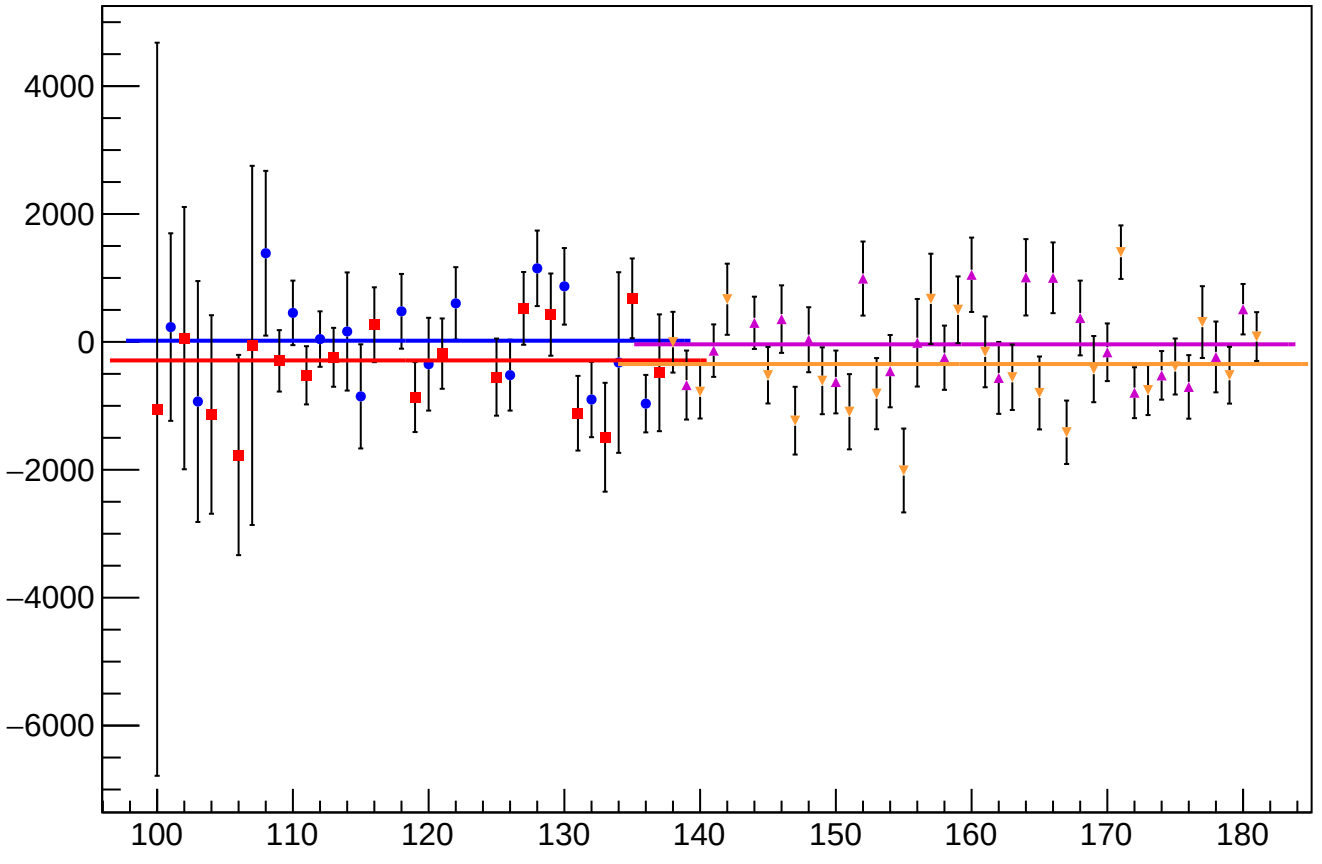
Right Out: 1126.016+/-0.301 χ^2/NDF: 222106.0/17

Left In: 1088.242+/-0.185 χ^2/NDF:46136.6/20

+ sign 1094.725+/-0.157 χ^2/NDF: 679176.4/37

All: 1096.662+/-0.111 χ^2/NDF: 959140.0/76

- sign 1098.626+/-0.158 χ^2/NDF: 279656.0/38



Right In: 18.468+/-161.237 χ^2/NDF: 19.2/15

Left Out: -346.281+/-105.187 χ^2/NDF:48.5/21

Right Out: -289.946+/-156.189 χ^2/NDF: 13.5/17

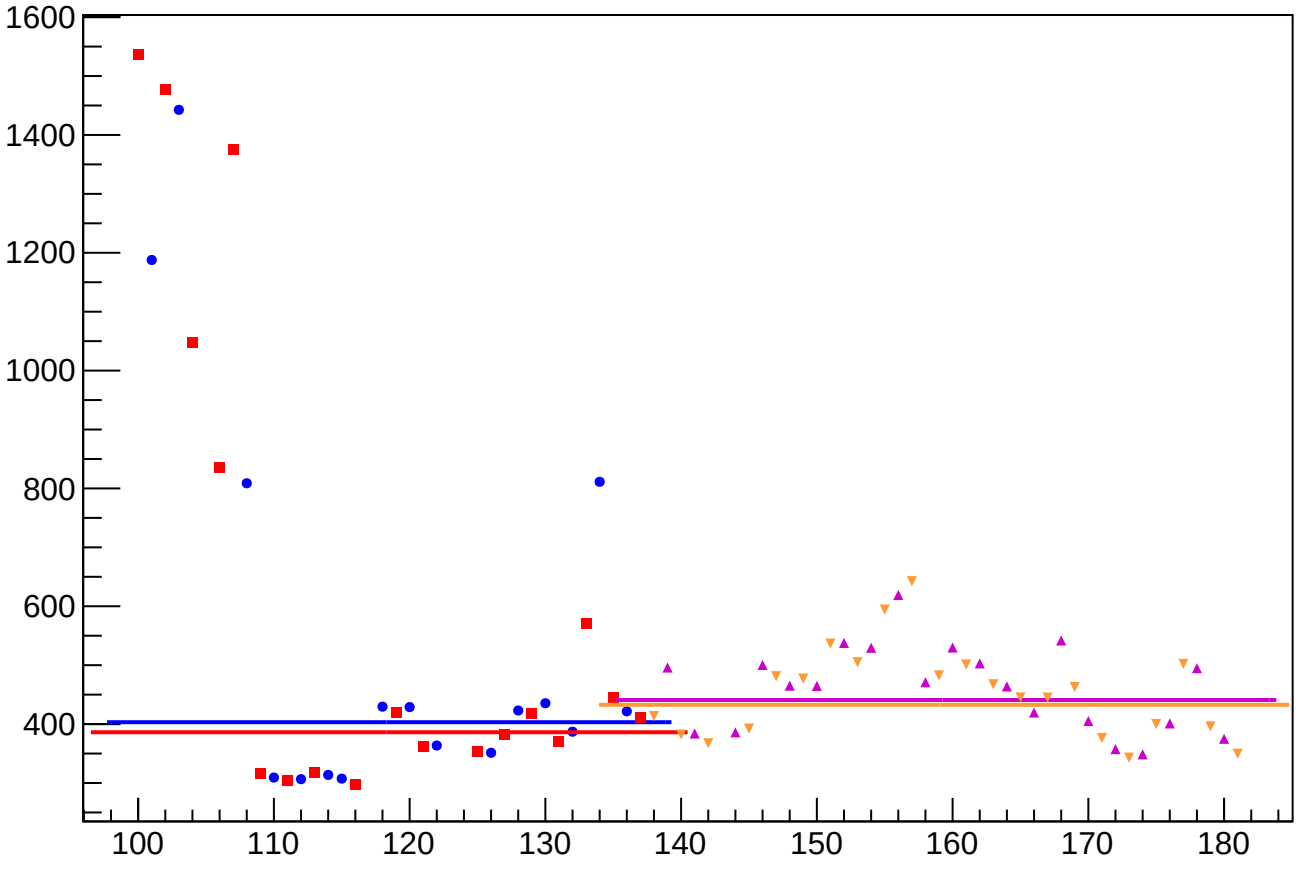
Left In: -37.848+/-107.727 χ^2/NDF:28.7/20

\+ sign -237.389+/-88.098 χ^2/NDF: 71.3/37

All: -178.642+/-62.499 χ^2/NDF: 116.1/76

\- sign -119.115+/-88.680 χ^2/NDF: 43.9/38

asym_us_dd_atlr_dd_dd_reg_correction_rms vs Slug



Right In: 403.194+/-0.114 χ^2/NDF: 1808432.3/15

Left Out: 432.760+/-0.074 χ^2/NDF:860368.0/21

Right Out: 386.146+/-0.110 χ^2/NDF: 1759113.8/17

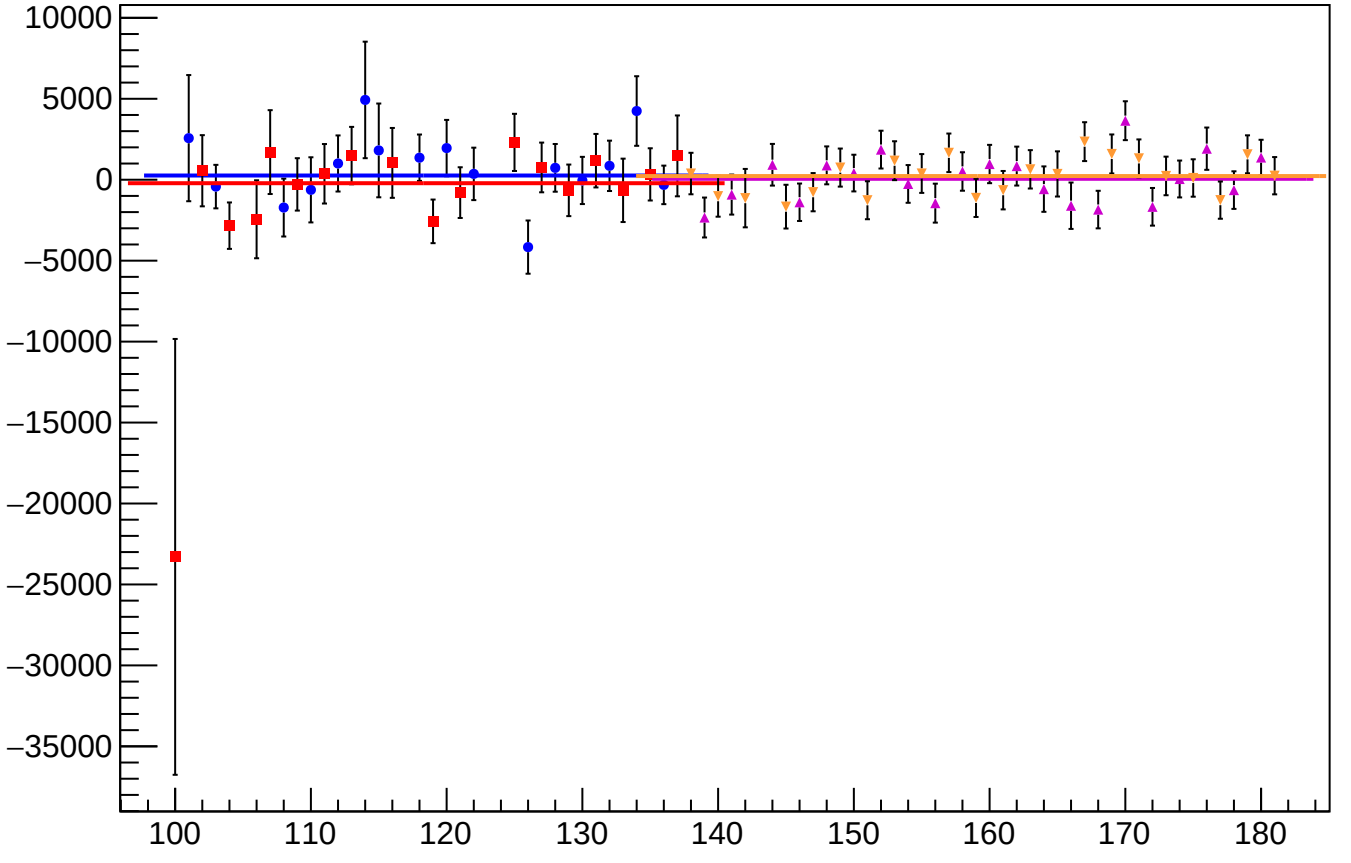
Left In: 440.902+/-0.076 χ^2/NDF:820600.5/20

+ sign 423.933+/-0.062 χ^2/NDF: 2715971.9/37

All: 423.594+/-0.044 χ^2/NDF: 5462315.1/76

- sign 423.251+/-0.063 χ^2/NDF: 2746283.6/38

cor_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 260.415+/-424.657 χ^2/NDF: 16.9/15

Left Out: 226.291+/-259.853 χ^2/NDF:18.4/21

Right Out: -214.501+/-426.342 χ^2/NDF: 16.2/17

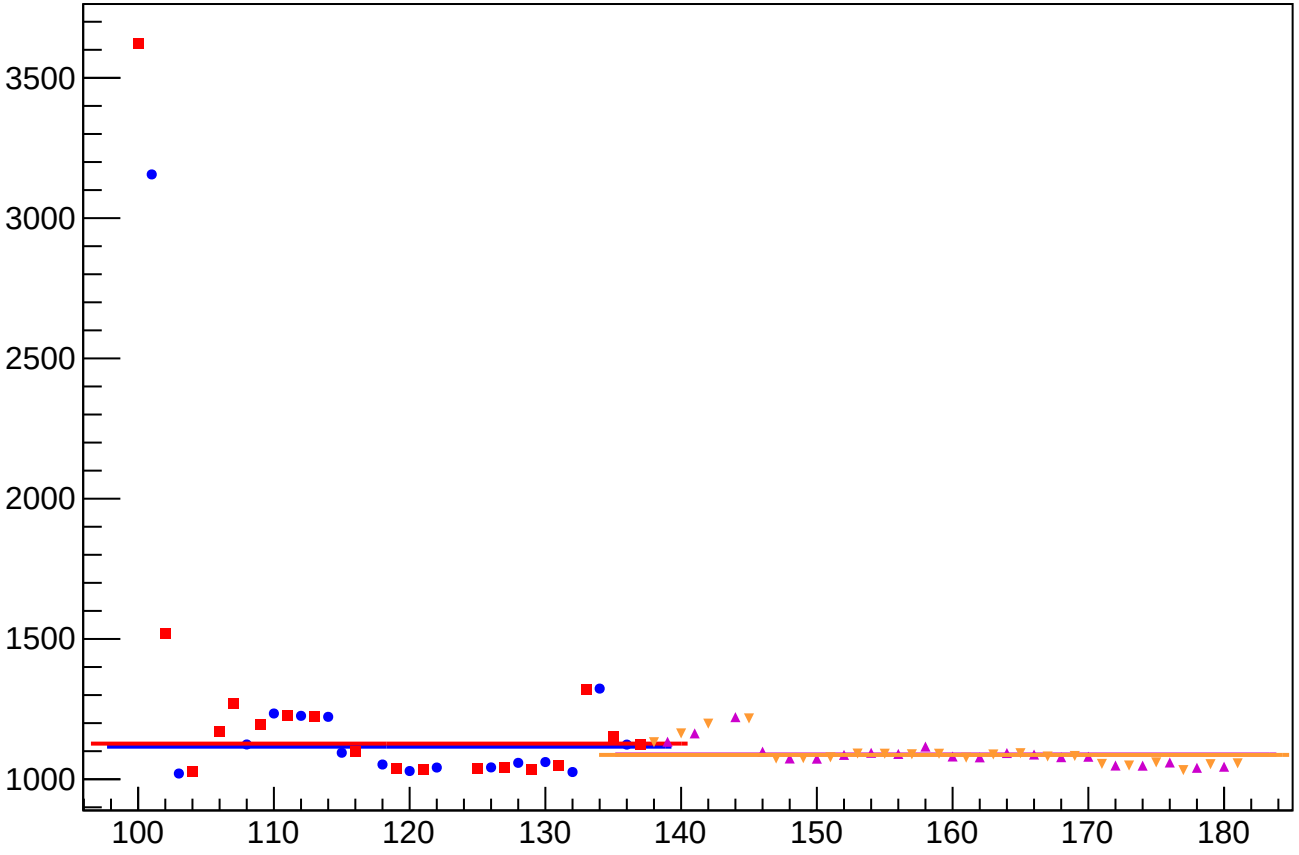
Left In: 57.266+/-262.167 χ^2/NDF:31.4/20

+ sign 235.587+/-221.648 χ^2/NDF: 35.3/37

All: 110.095+/-157.318 χ^2/NDF: 83.9/76

- sign -17.301+/-223.323 χ^2/NDF: 47.9/38

cor_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1116.089+/-0.300 χ^2/NDF: 623391.9/15

Left Out: 1086.726+/-0.184 χ^2/NDF:48828.2/21

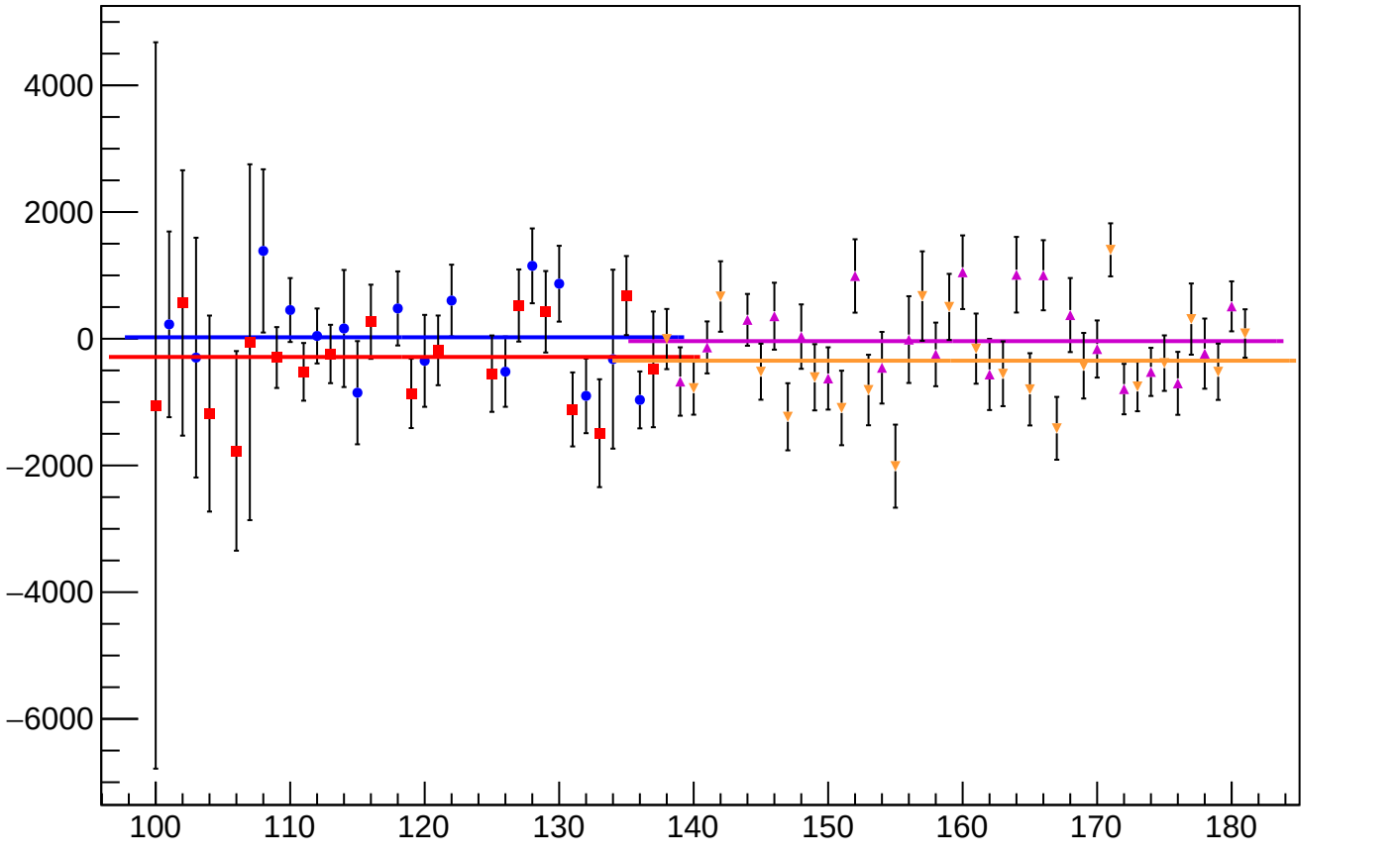
Right Out: 1126.960+/-0.301 χ^2/NDF: 222740.2/17

Left In: 1088.242+/-0.185 χ^2/NDF:46136.6/20

+ sign 1094.725+/-0.157 χ^2/NDF: 679177.3/37

All: 1096.780+/-0.111 χ^2/NDF: 960369.2/76

- sign 1098.866+/-0.158 χ^2/NDF: 280845.5/38



Right In: 22.923+/-161.238 χ^2/NDF: 19.0/15

Left Out: -346.355+/-105.186 χ^2/NDF:48.5/21

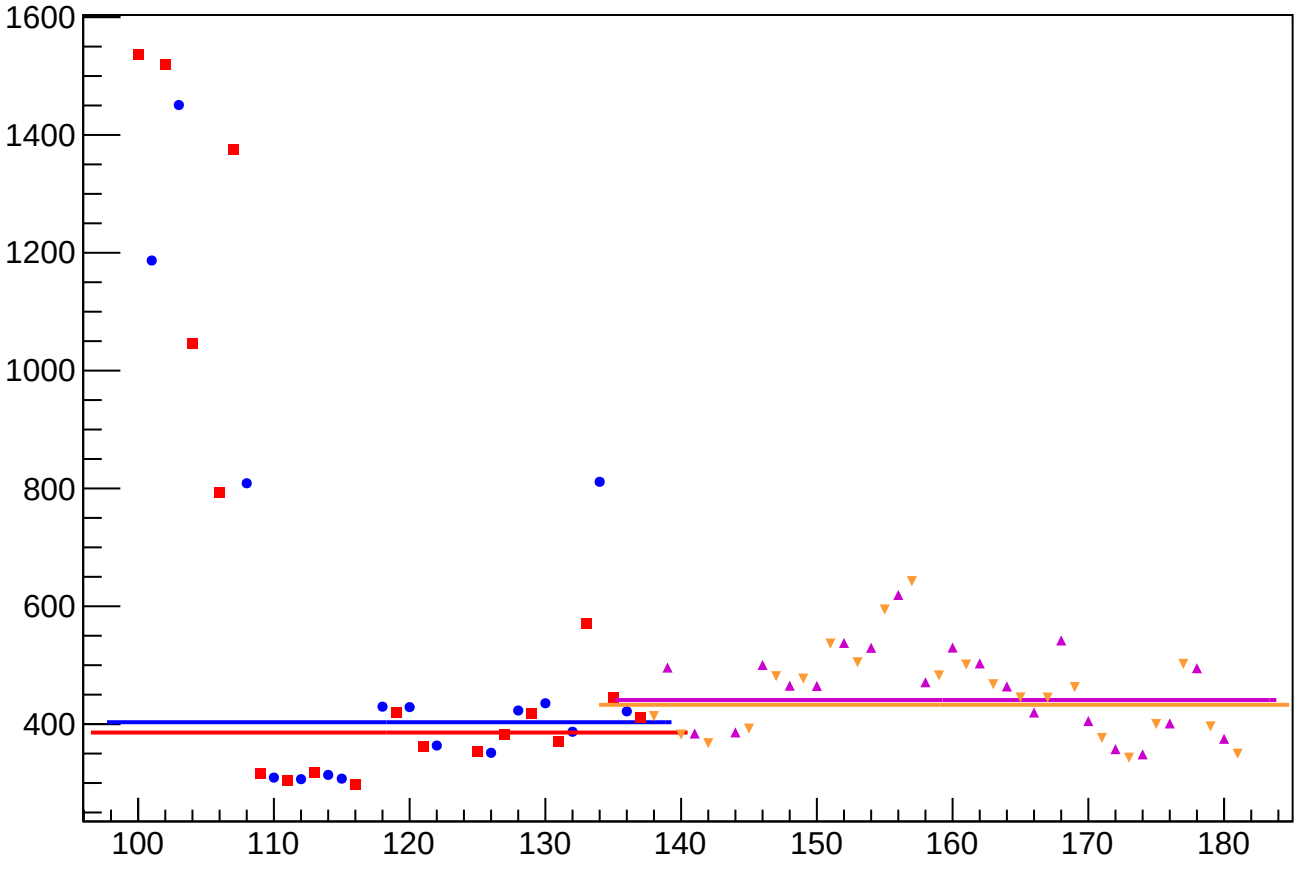
Right Out: -287.614+/-156.212 χ^2/NDF: 13.7/17

Left In: -37.812+/-107.727 χ^2/NDF:28.7/20

\+ sign -236.113+/-88.098 χ^2/NDF: 71.1/37

All: -177.609+/-62.501 χ^2/NDF: 116.1/76

\- sign -118.323+/-88.684 χ^2/NDF: 44.1/38



Right In: 403.182+/-0.114 χ^2/NDF: 1812111.0/15

Left Out: 432.757+/-0.074 χ^2/NDF:860453.7/21

Right Out: 385.682+/-0.110 χ^2/NDF: 1747152.2/17

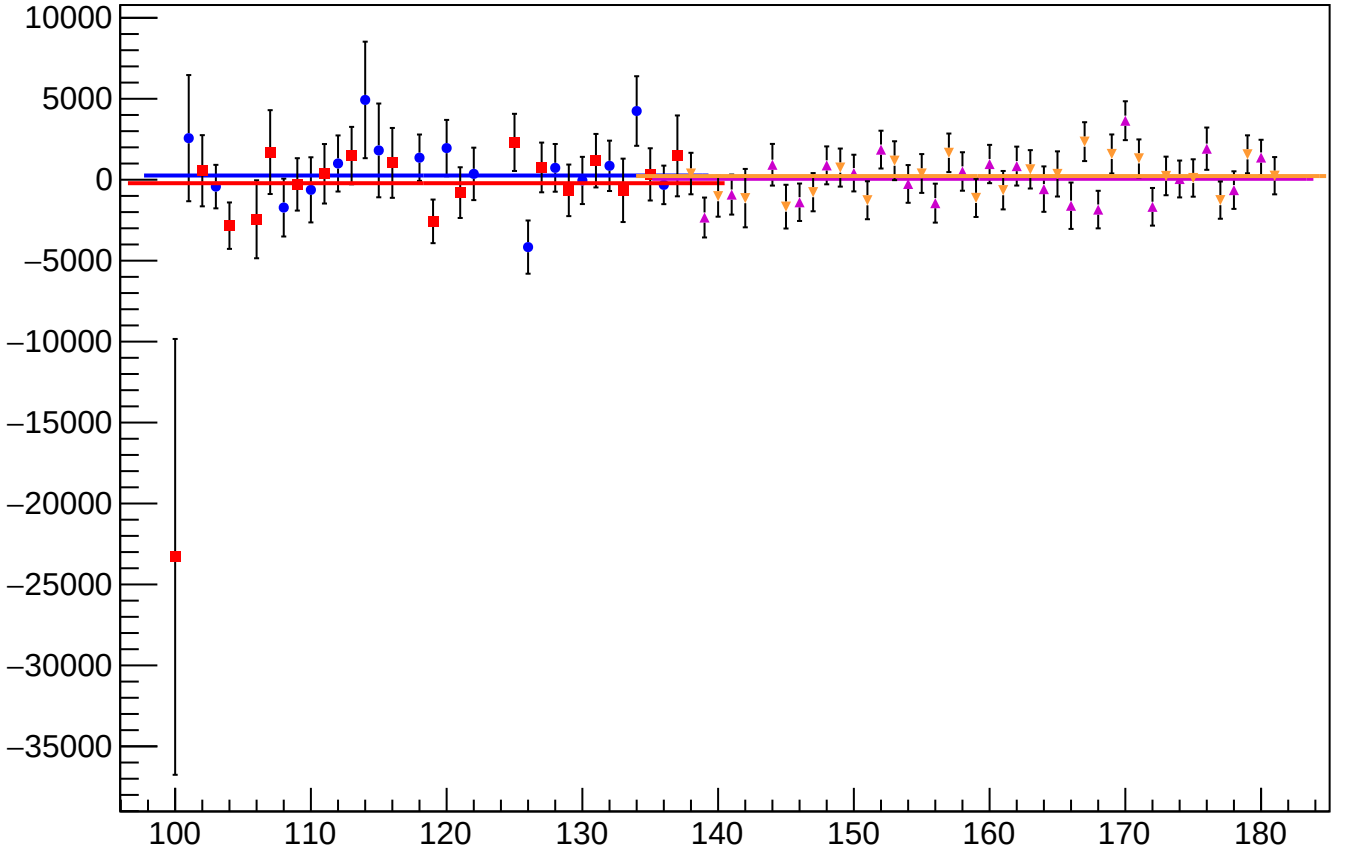
Left In: 440.904+/-0.076 χ^2/NDF:820473.6/20

+ sign 423.928+/-0.062 χ^2/NDF: 2719764.8/37

All: 423.519+/-0.044 χ^2/NDF: 5456857.7/76

- sign 423.106+/-0.063 χ^2/NDF: 2737006.4/38

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: 226.291+/-259.853 χ^2/NDF:18.4/21

Right Out: -214.501+/-426.342 χ^2/NDF: 16.2/17

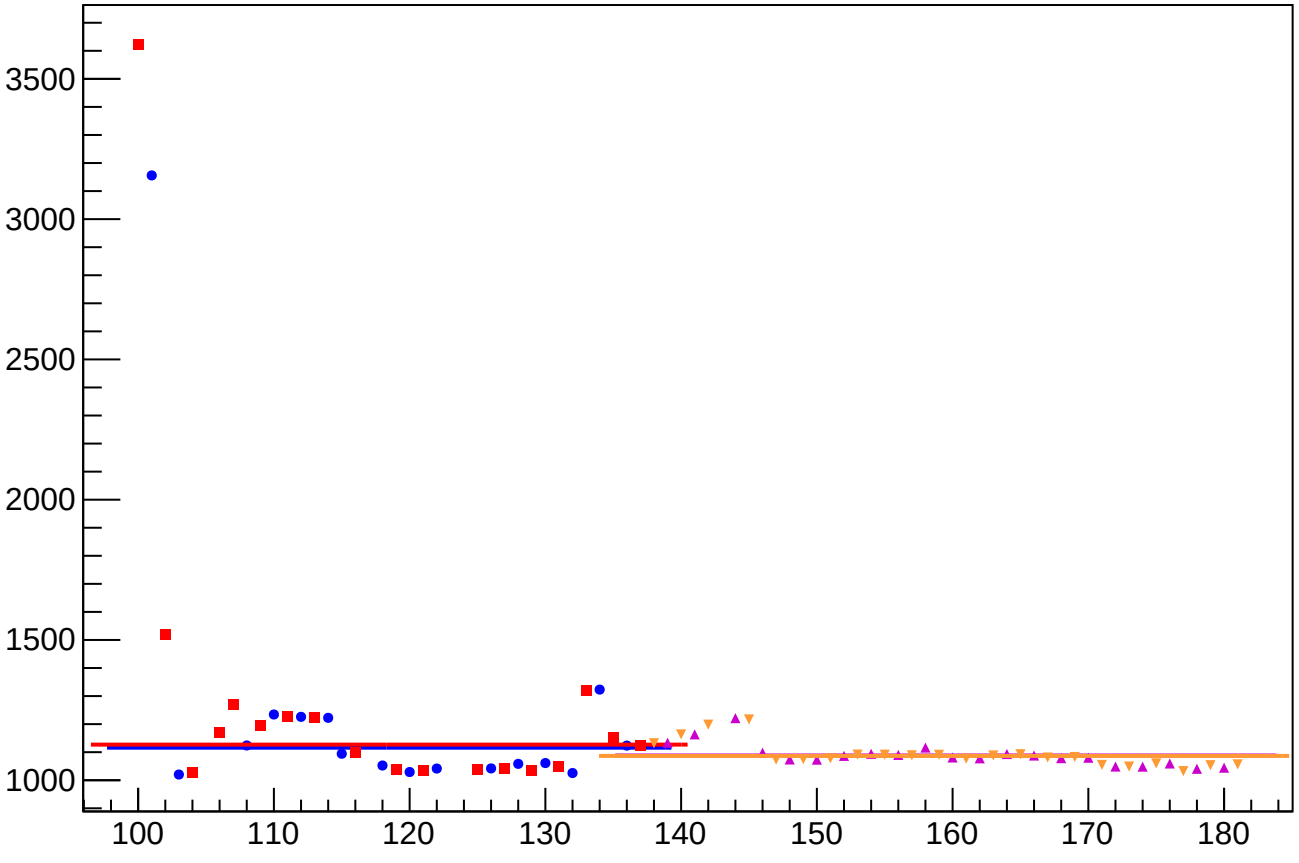
Left In: 57.266+/-262.167 χ^2/NDF:31.4/20

+ sign 235.587+/-221.648 χ^2/NDF: 35.3/37

All: 110.095+/-157.318 χ^2/NDF: 83.9/76

- sign -17.301+/-223.323 χ^2/NDF: 47.9/38

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: 1086.726+/-0.184 χ^2/NDF:48828.2/21

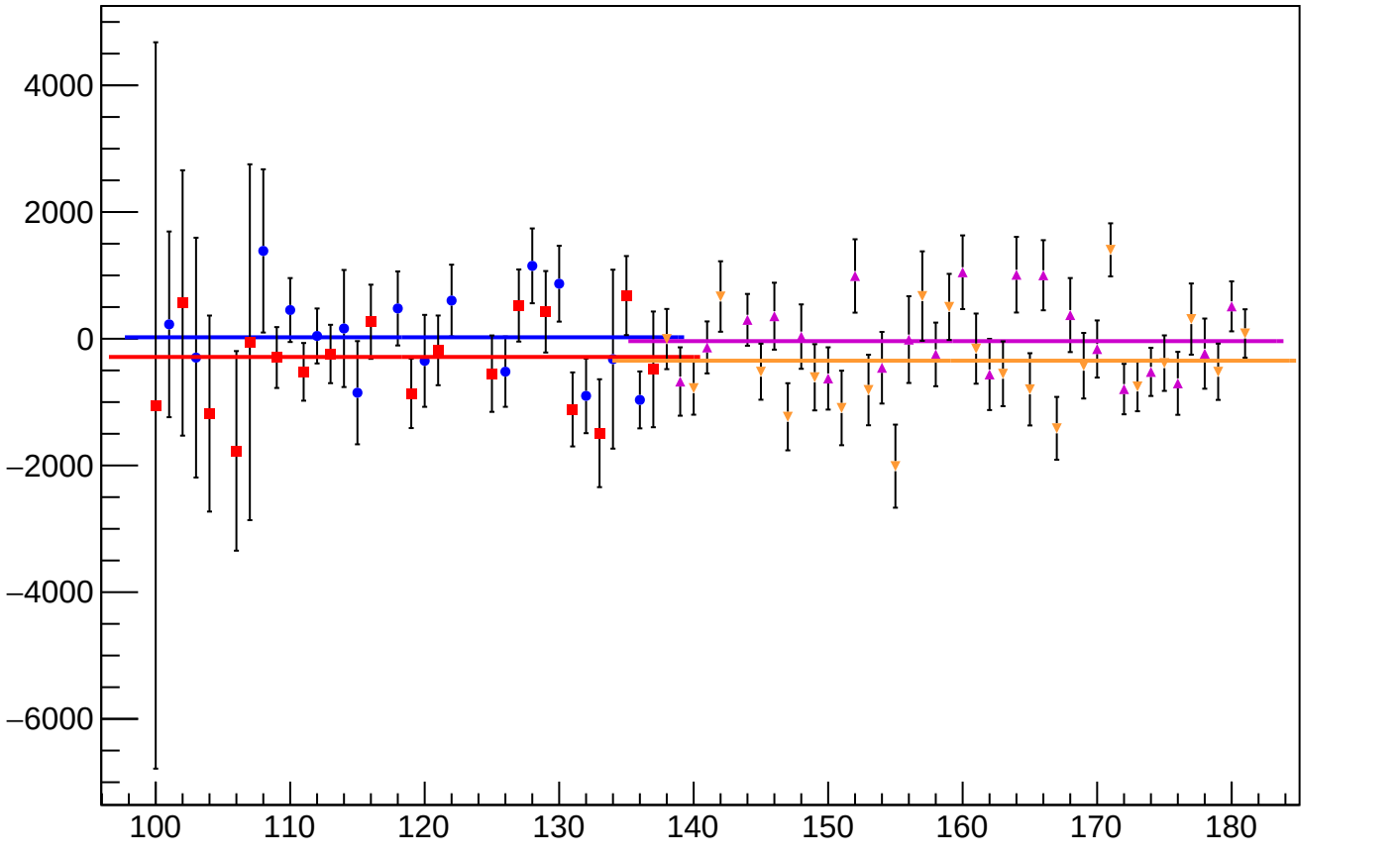
Right Out: 1126.960+/-0.301 χ^2/NDF: 222740.2/17

Left In: 1088.242+/-0.185 χ^2/NDF:46136.6/20

\+ sign 1094.725+/-0.157 χ^2/NDF: 679177.3/37

All: 1096.780+/-0.111 χ^2/NDF: 960369.2/76

\- sign 1098.866+/-0.158 χ^2/NDF: 280845.5/38



Right In: 22.923+/-161.238 χ^2/NDF: 19.0/15

Left Out: -346.355+/-105.186 χ^2/NDF:48.5/21

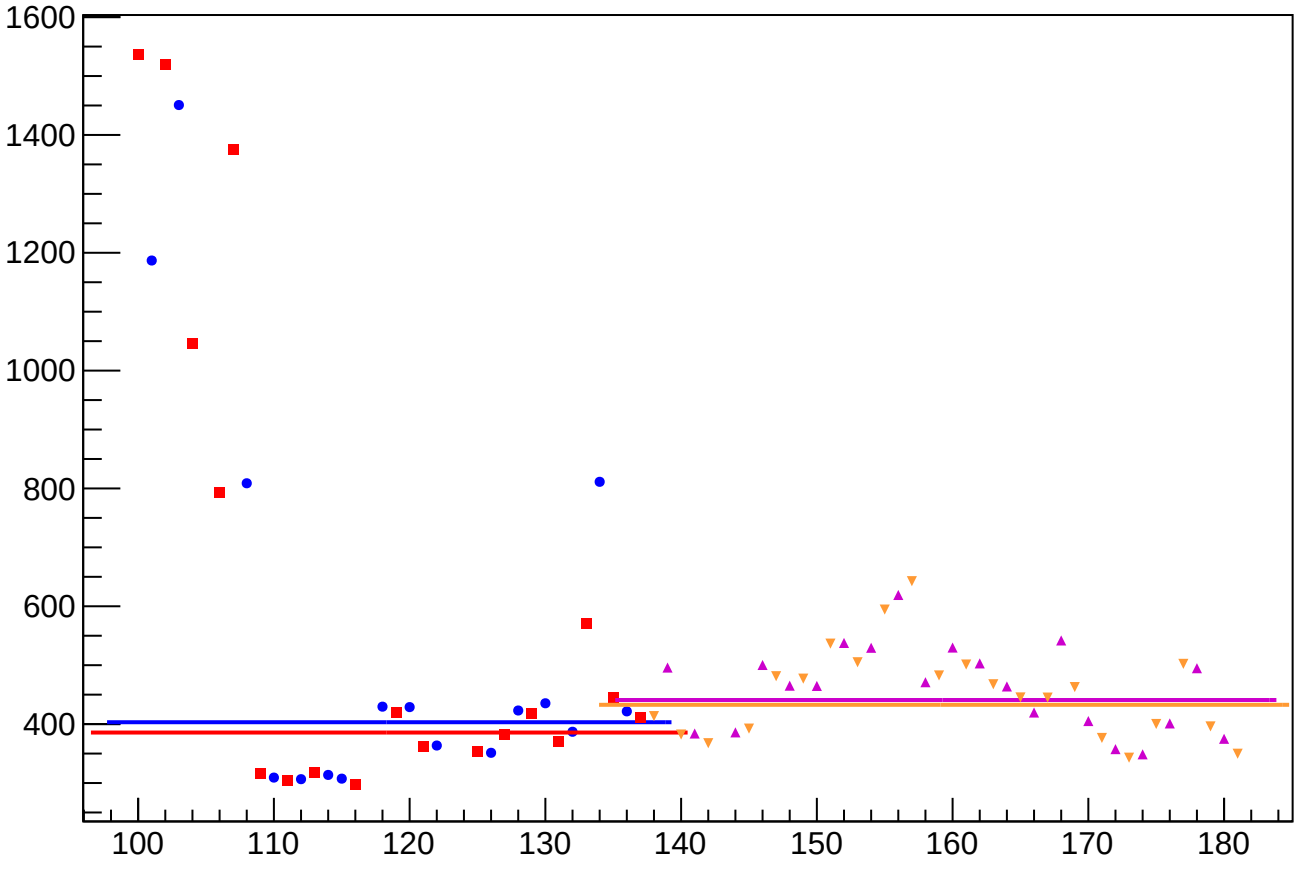
Right Out: -287.614+/-156.212 χ^2/NDF: 13.7/17

Left In: -37.812+/-107.727 χ^2/NDF:28.7/20

+ sign -236.113+/-88.098 χ^2/NDF: 71.1/37

All: -177.609+/-62.501 χ^2/NDF: 116.1/76

- sign -118.323+/-88.684 χ^2/NDF: 44.1/38



Right In: 403.182+/-0.114 χ^2/NDF: 1812111.0/15

Left Out: 432.757+/-0.074 χ^2/NDF:860453.7/21

Right Out: 385.682+/-0.110 χ^2/NDF: 1747152.2/17

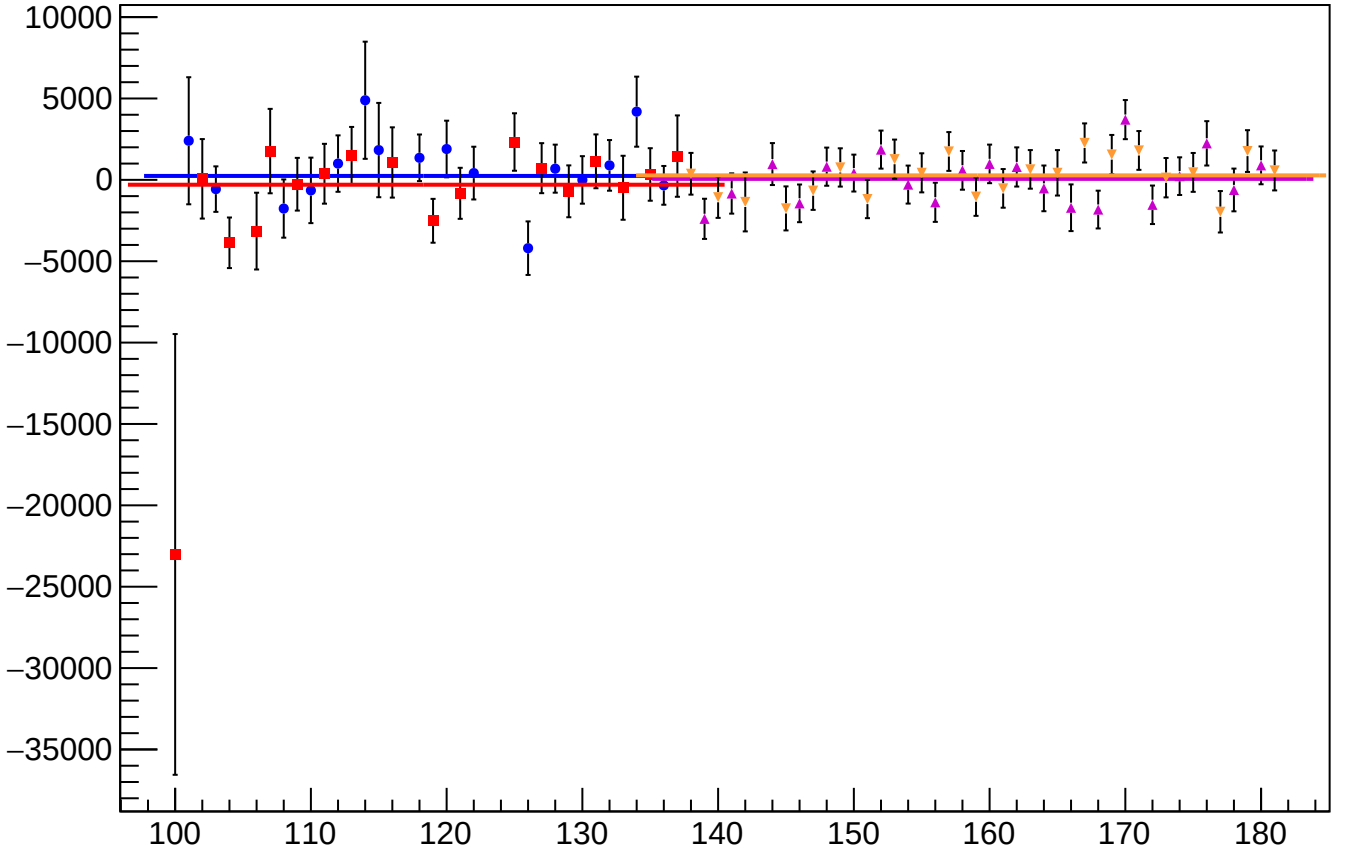
Left In: 440.904+/-0.076 χ^2/NDF:820473.6/20

+ sign 423.928+/-0.062 χ^2/NDF: 2719764.8/37

All: 423.519+/-0.044 χ^2/NDF: 5456857.7/76

- sign 423.106+/-0.063 χ^2/NDF: 2737006.4/38

dit_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 240.827+/-426.592 χ^2/NDF: 17.0/15

Left Out: 275.297+/-264.046 χ^2/NDF:20.6/21

Right Out: -298.921+/-430.767 χ^2/NDF: 18.7/17

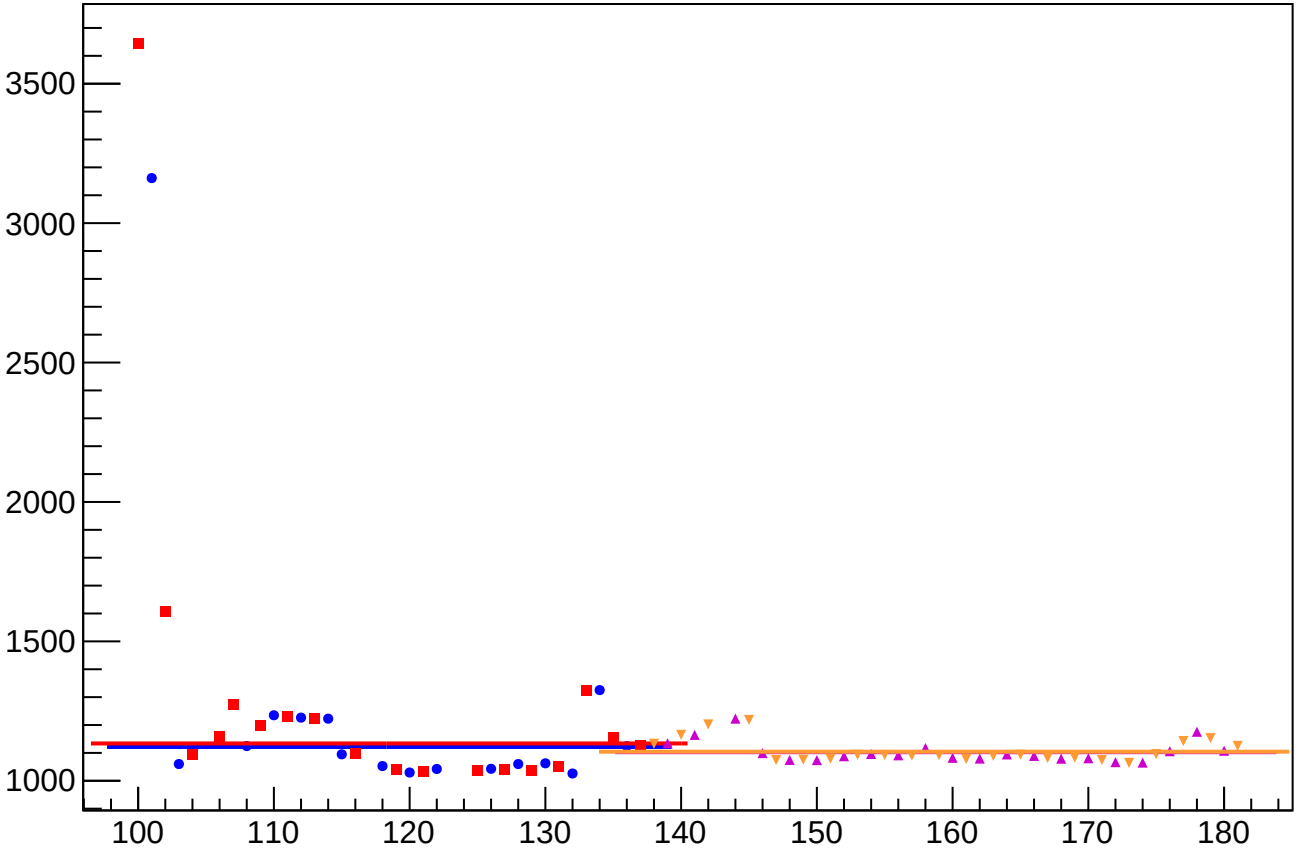
Left In: 59.567+/-265.610 χ^2/NDF:30.9/20

+ sign 265.749+/-224.517 χ^2/NDF: 37.6/37

All: 114.345+/-159.310 χ^2/NDF: 88.6/76

- sign -39.184+/-226.086 χ^2/NDF: 50.1/38

dit_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1121.294+/-0.302 χ^2/NDF: 617028.4/15

Left Out: 1104.301+/-0.187 χ^2/NDF:41308.1/21

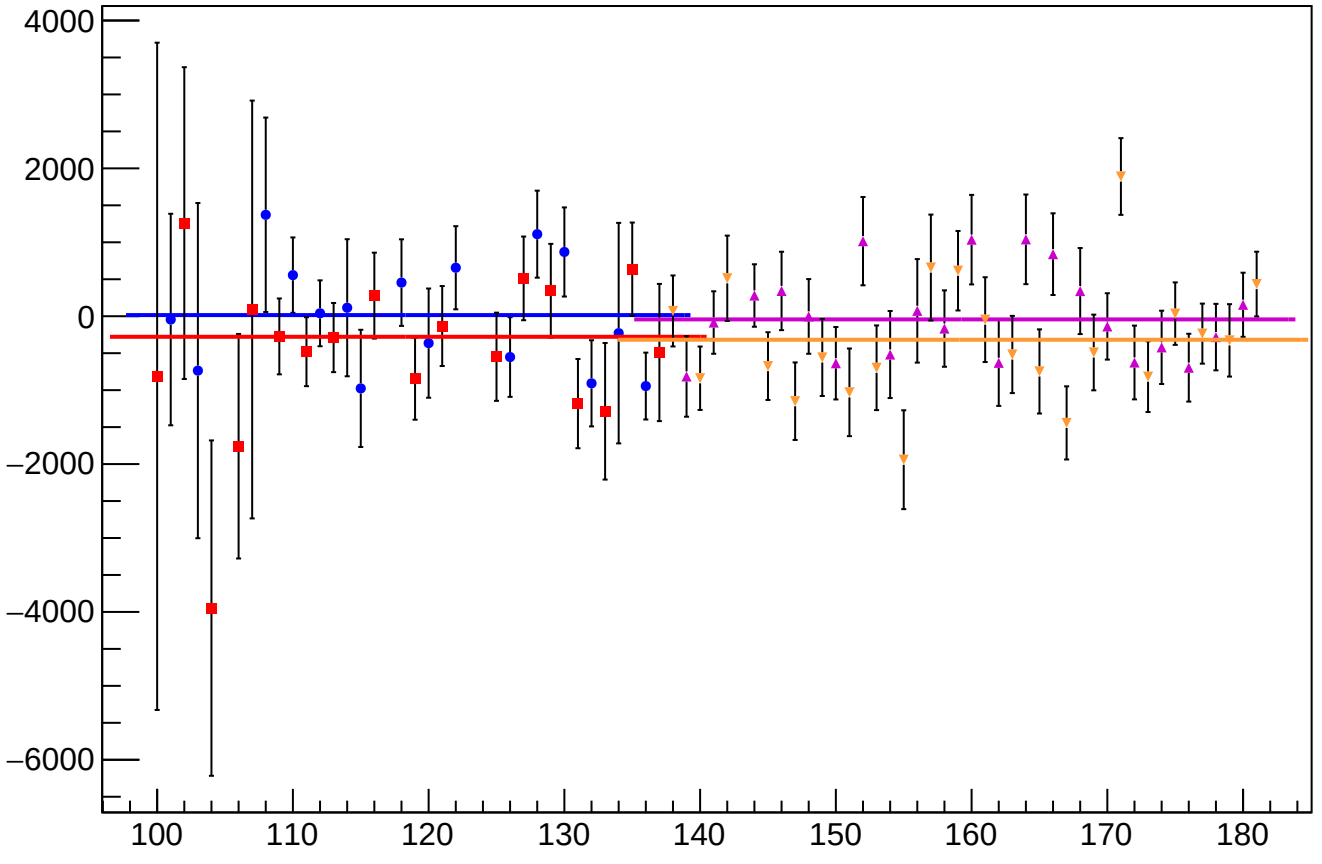
Right Out: 1133.929+/-0.305 χ^2/NDF: 227457.1/17

Left In: 1102.551+/-0.188 χ^2/NDF:40237.8/20

+ sign 1109.008+/-0.159 χ^2/NDF: 660631.0/37

All: 1110.093+/-0.113 χ^2/NDF: 936109.1/76

- sign 1111.194+/-0.160 χ^2/NDF: 275384.0/38



Right In: 15.291+/-161.845 χ^2/NDF: 19.6/15

Left Out: -318.328+/-108.323 χ^2/NDF:49.3/21

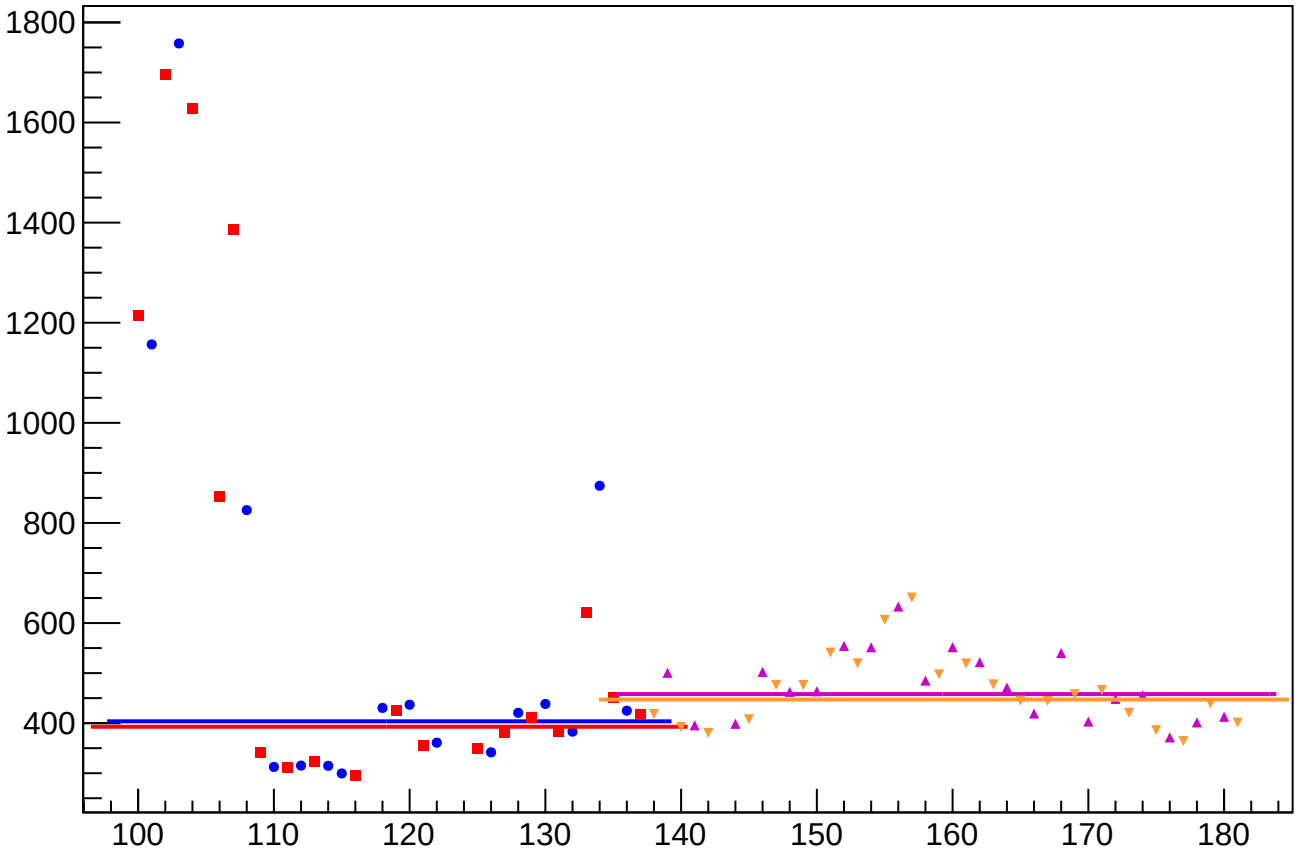
Right Out: -278.251+/-158.828 χ^2/NDF: 15.1/17

Left In: -43.082+/-111.539 χ^2/NDF:23.4/20

\+ sign -215.115+/-90.021 χ^2/NDF: 71.9/37

All: -168.590+/-64.095 χ^2/NDF: 112.3/76

\- sign -120.756+/-91.279 χ^2/NDF: 39.9/38



Right In: 403.656+/-0.114 χ^2/NDF: 1929597.5/15

Left Out: 447.137+/-0.077 χ^2/NDF:665345.2/21

Right Out: 392.820+/-0.112 χ^2/NDF: 2203456.1/17

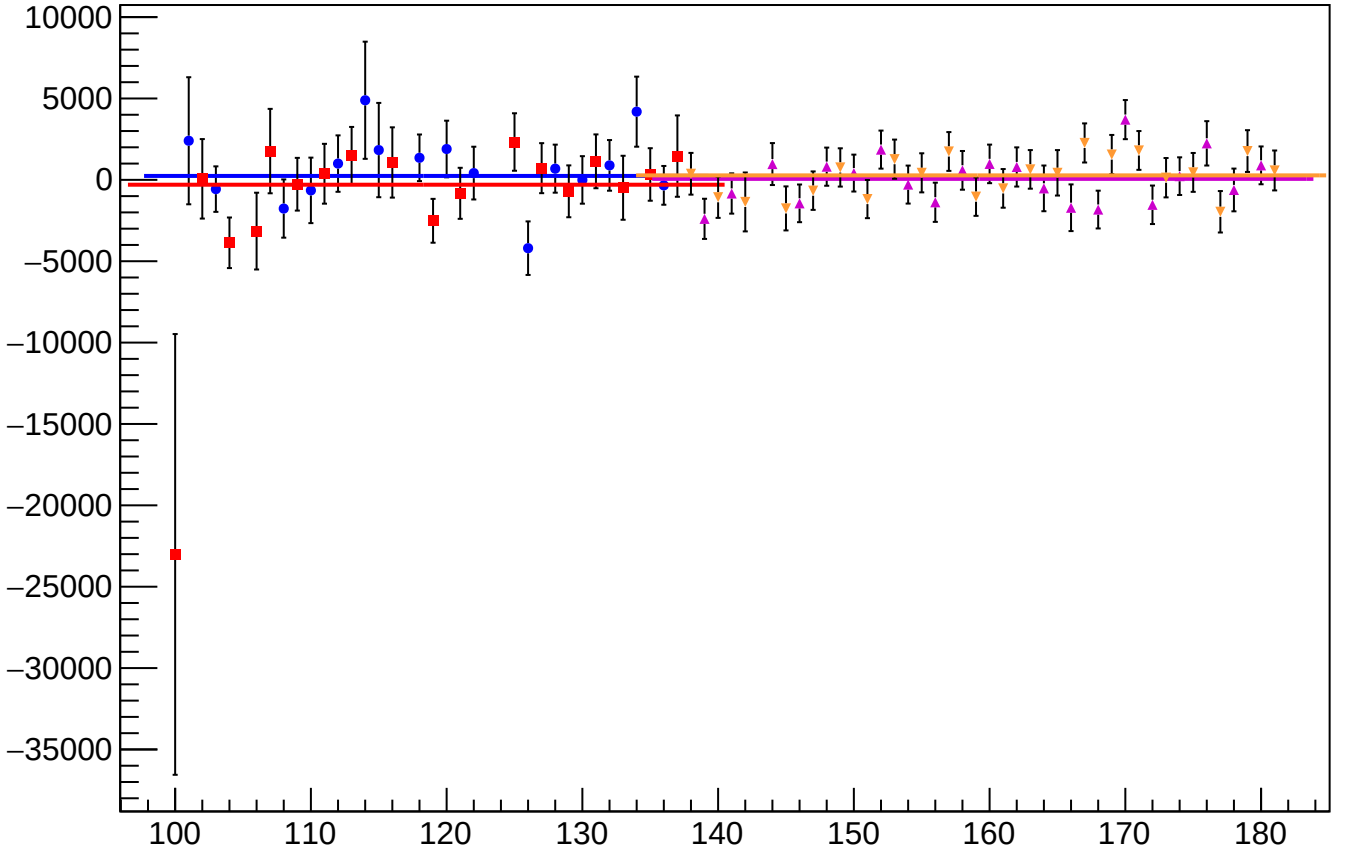
Left In: 458.101+/-0.079 χ^2/NDF:619982.3/20

+ sign 433.685+/-0.064 χ^2/NDF: 2694636.4/37

All: 435.093+/-0.045 χ^2/NDF: 5745343.4/76

- sign 436.540+/-0.065 χ^2/NDF: 3049715.1/38

eigen_dit_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 240.829+/-426.592 χ^2/NDF: 17.0/15

Left Out: 275.295+/-264.046 χ^2/NDF:20.6/21

Right Out: -298.922+/-430.767 χ^2/NDF: 18.7/17

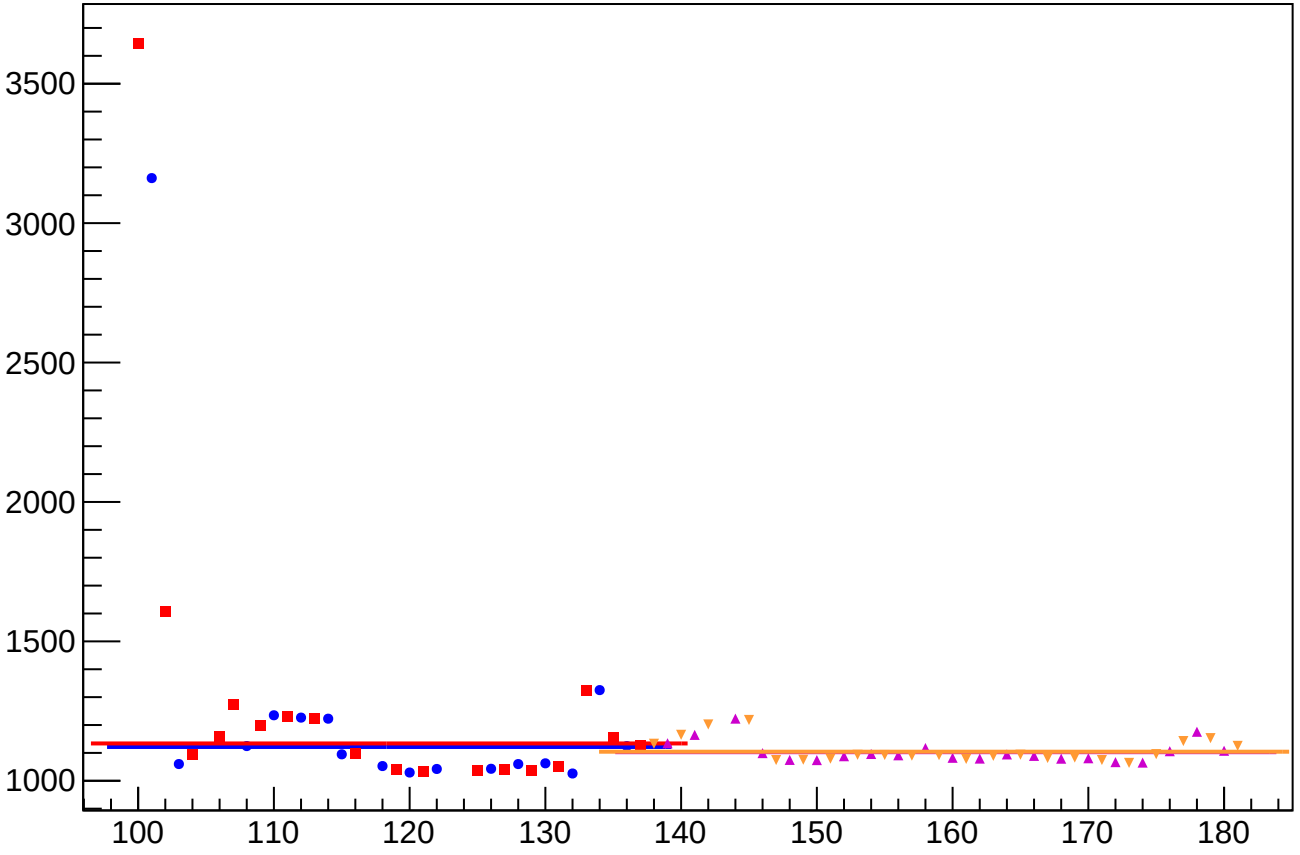
Left In: 59.566+/-265.610 χ^2/NDF:30.9/20

+ sign 265.748+/-224.517 χ^2/NDF: 37.6/37

All: 114.344+/-159.309 χ^2/NDF: 88.6/76

- sign -39.185+/-226.086 χ^2/NDF: 50.1/38

eigen_dit_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1121.294+/-0.302 χ^2/NDF: 617028.4/15

Left Out: 1104.301+/-0.187 χ^2/NDF:41308.4/21

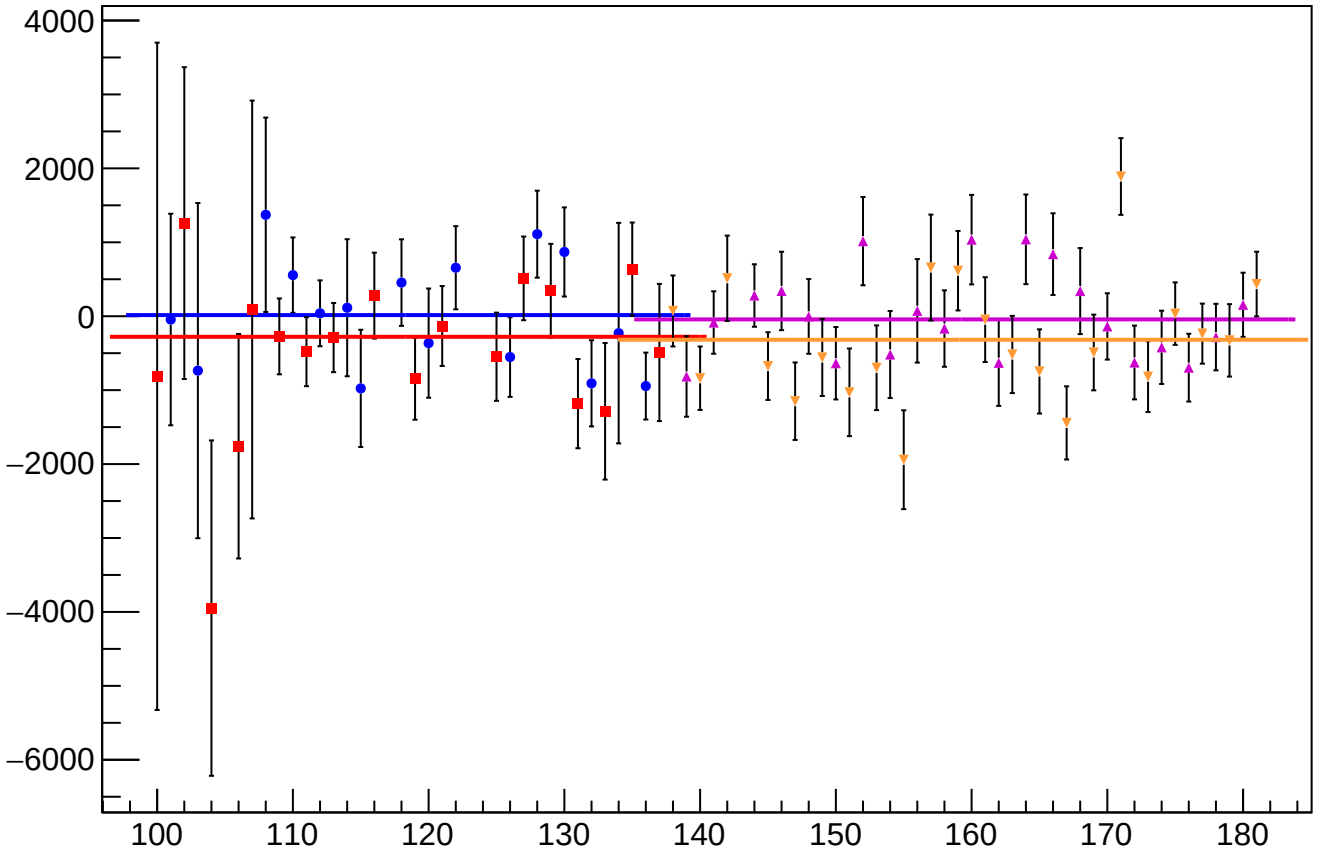
Right Out: 1133.929+/-0.305 χ^2/NDF: 227457.1/17

Left In: 1102.550+/-0.188 χ^2/NDF:40238.0/20

+ sign 1109.008+/-0.159 χ^2/NDF: 660631.4/37

All: 1110.093+/-0.113 χ^2/NDF: 936109.8/76

- sign 1111.194+/-0.160 χ^2/NDF: 275384.3/38



Right In: 15.288+/-161.844 χ^2/NDF: 19.6/15

Left Out: -318.330+/-108.323 χ^2/NDF:49.3/21

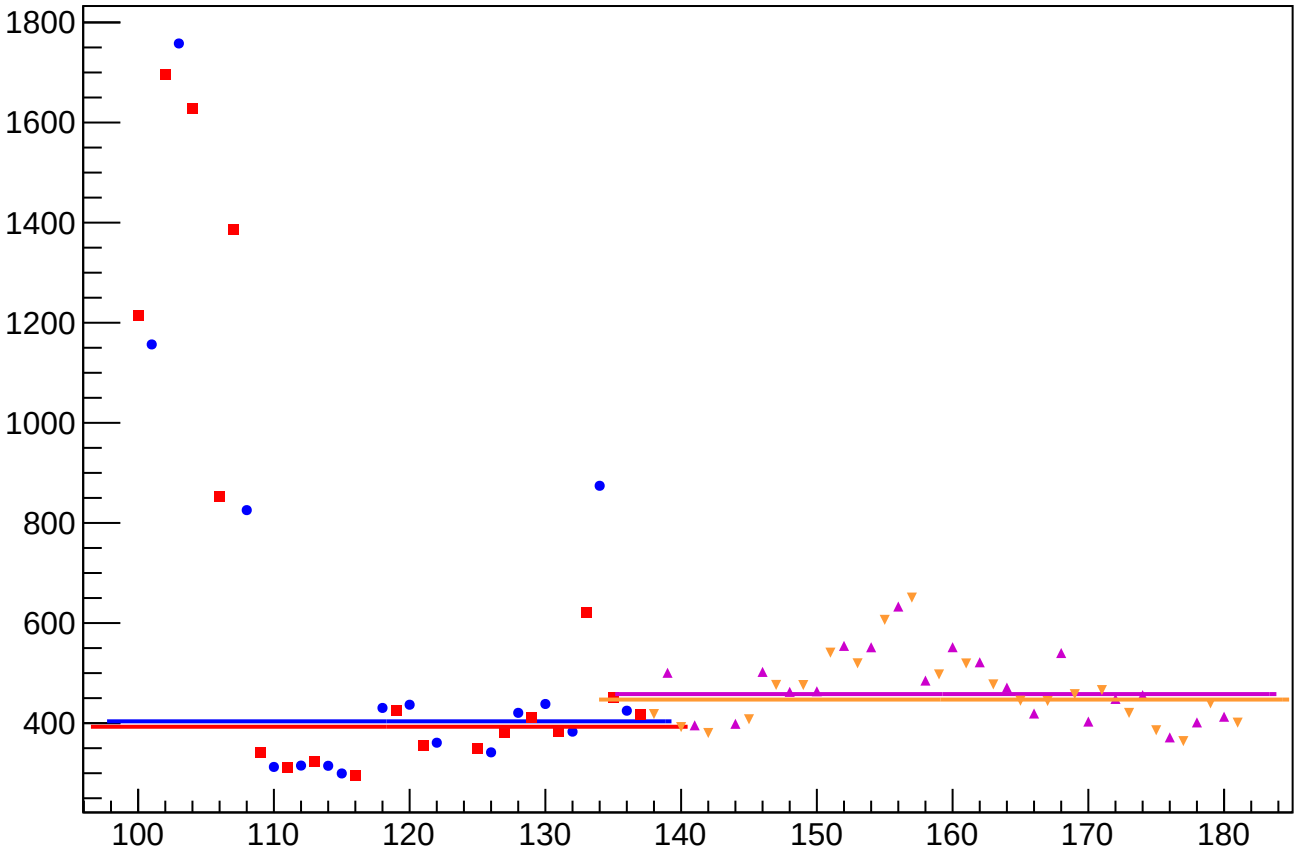
Right Out: -278.249+/-158.826 χ^2/NDF: 15.1/17

Left In: -43.083+/-111.539 χ^2/NDF:23.4/20

\+ sign -215.116+/-90.021 χ^2/NDF: 71.9/37

All: -168.591+/-64.094 χ^2/NDF: 112.3/76

\- sign -120.756+/-91.279 χ^2/NDF: 39.9/38



Right In: 403.653+/-0.114 χ^2/NDF: 1929594.3/15

Left Out: 447.137+/-0.077 χ^2/NDF:665362.7/21

Right Out: 392.817+/-0.112 χ^2/NDF: 2203462.7/17

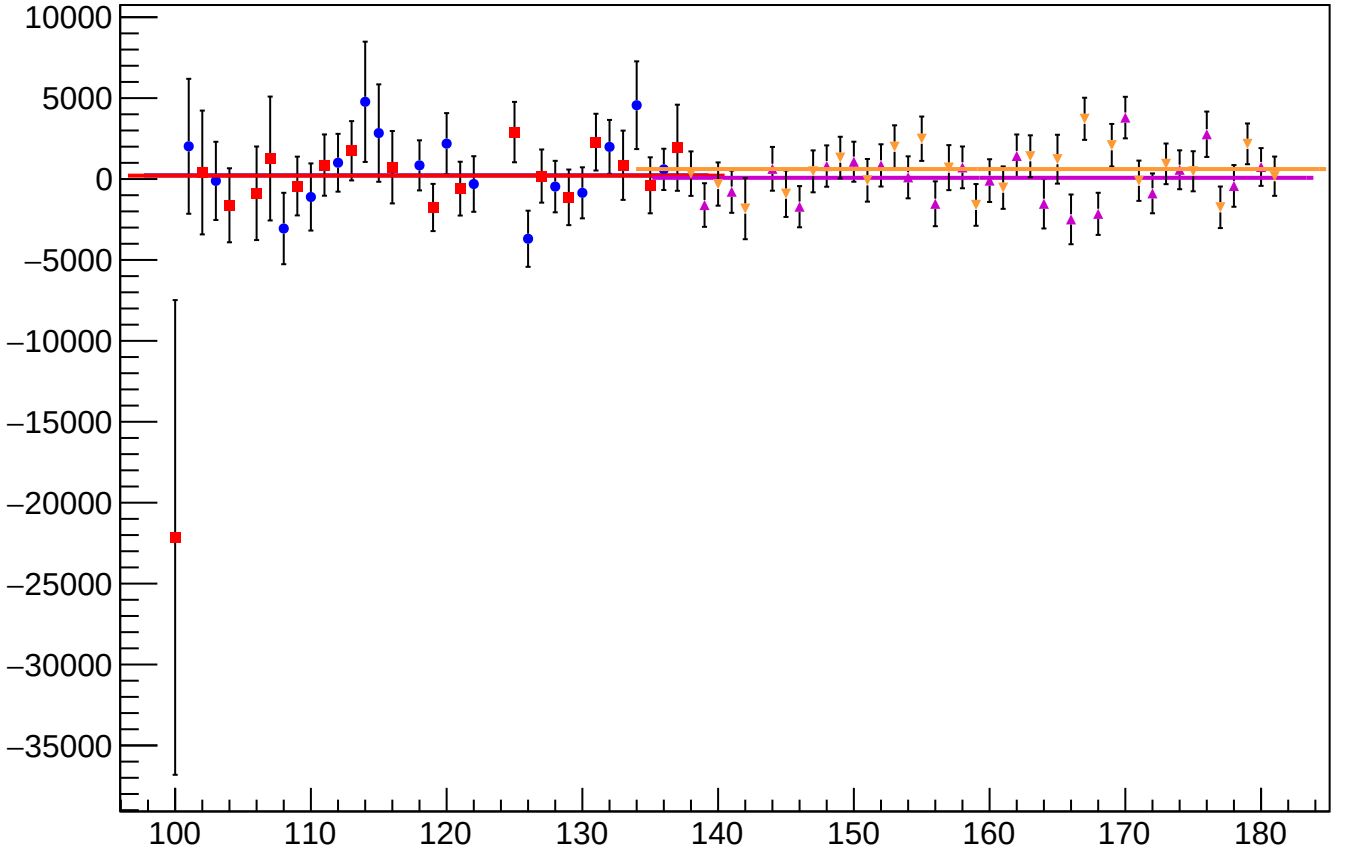
Left In: 458.102+/-0.079 χ^2/NDF:619994.2/20

+ sign 433.684+/-0.064 χ^2/NDF: 2694665.9/37

All: 435.091+/-0.045 χ^2/NDF: 5745417.8/76

- sign 436.539+/-0.065 χ^2/NDF: 3049759.9/38

asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 224.817+/-474.559 χ^2/NDF: 16.1/15

Left Out: 616.645+/-283.009 χ^2/NDF:23.6/21

Right Out: 209.751+/-477.820 χ^2/NDF: 11.0/17

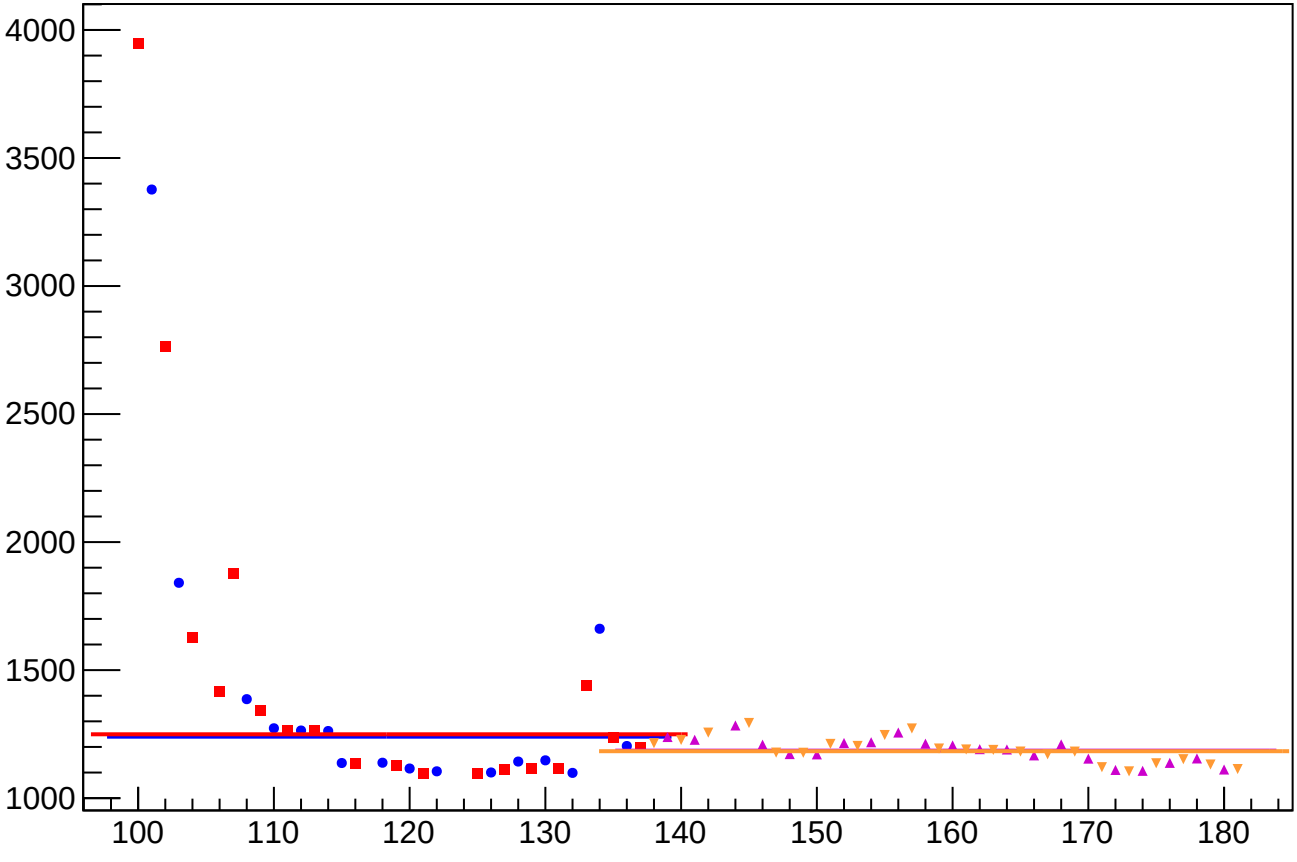
Left In: 74.702+/-285.642 χ^2/NDF:28.3/20

\+ sign 513.851+/-243.067 χ^2/NDF: 40.2/37

All: 313.795+/-172.614 χ^2/NDF: 80.8/76

\- sign 110.258+/-245.174 χ^2/NDF: 39.3/38

asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1240.140+/-0.336 χ^2/NDF: 782679.7/15

Left Out: 1183.353+/-0.200 χ^2/NDF:59263.2/21

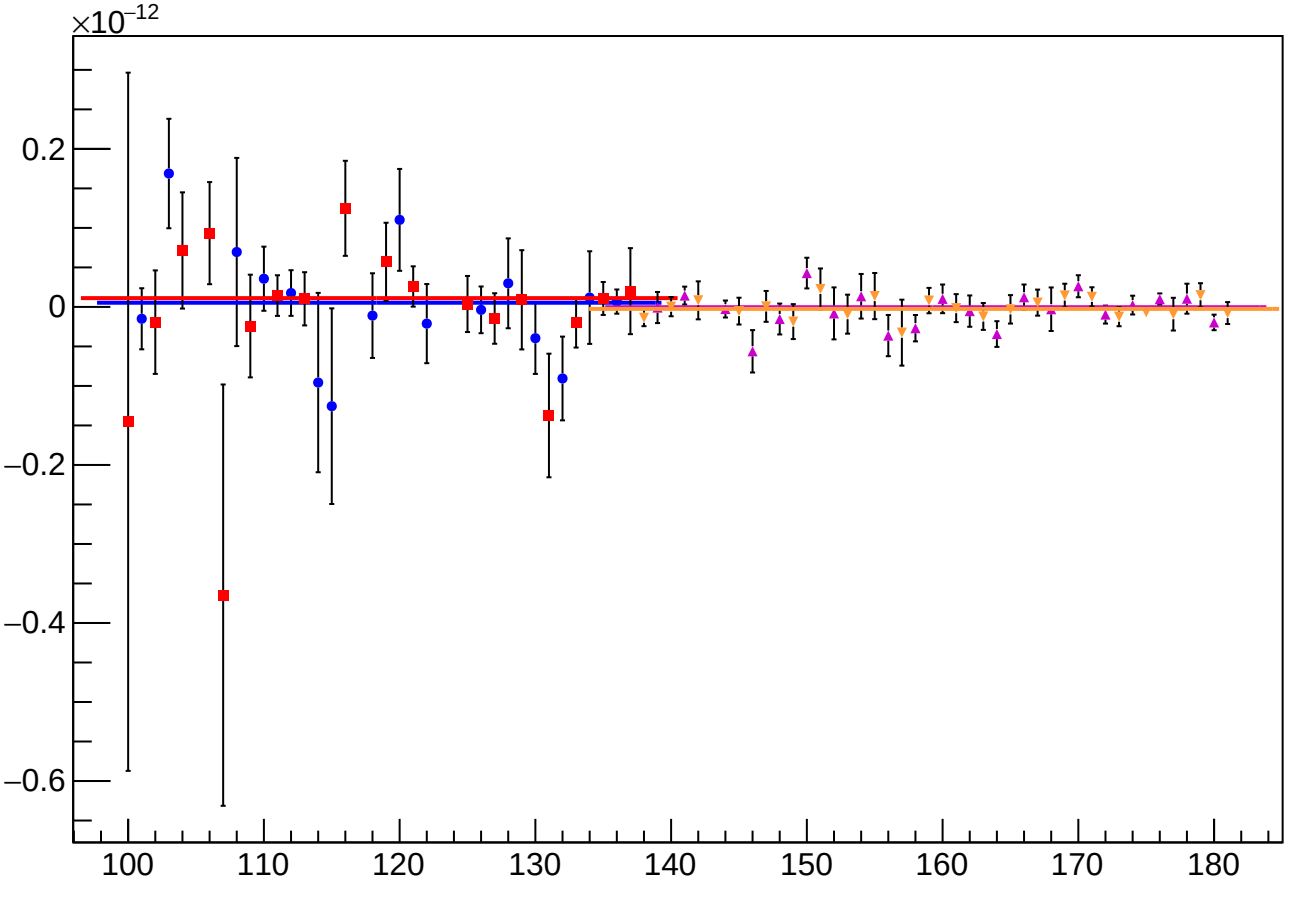
Right Out: 1249.410+/-0.338 χ^2/NDF: 606099.2/17

Left In: 1185.476+/-0.202 χ^2/NDF:55585.4/20

+ sign 1198.251+/-0.172 χ^2/NDF: 863068.0/37

All: 1200.262+/-0.122 χ^2/NDF: 1551409.2/76

- sign 1202.308+/-0.173 χ^2/NDF: 688064.9/38



Right In: 0.000+/-0.000 χ^2/NDF: 16.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.3/21

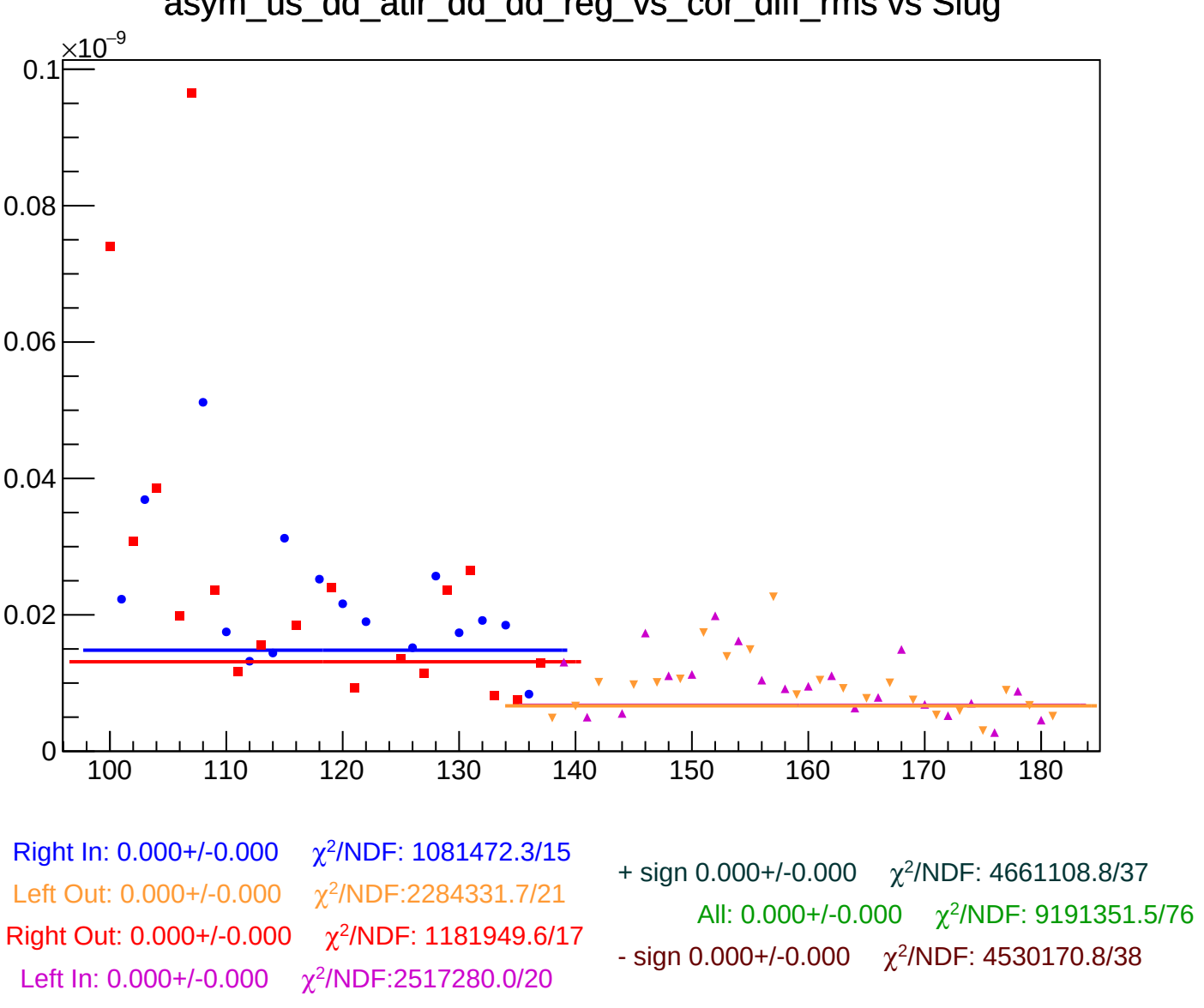
Right Out: 0.000+/-0.000 χ^2/NDF: 15.0/17

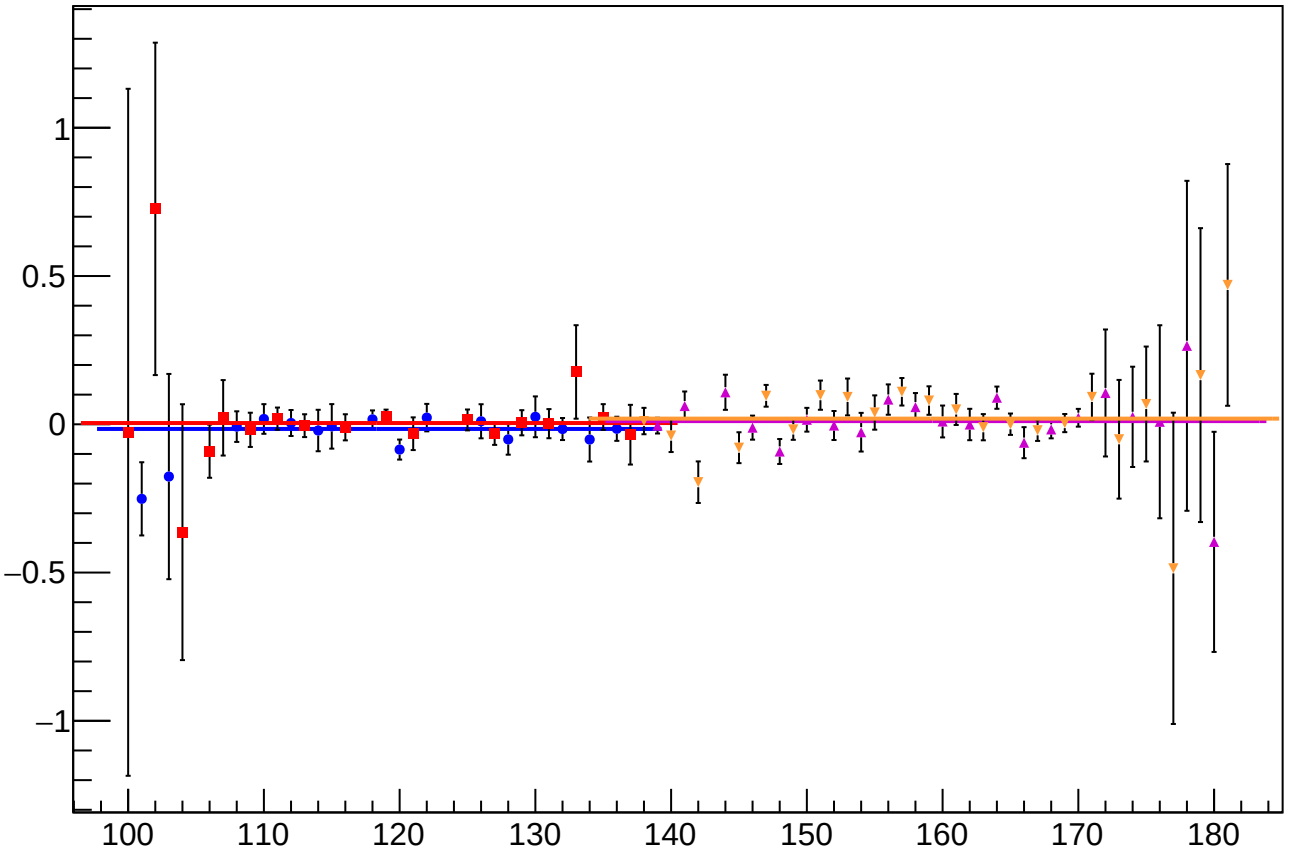
Left In: -0.000+/-0.000 χ^2/NDF:32.2/20

+ sign -0.000+/-0.000 χ^2/NDF: 27.3/37

All: -0.000+/-0.000 χ^2/NDF: 76.2/76

- sign 0.000+/-0.000 χ^2/NDF: 48.6/38


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:2284331.7/21
Right Out: 0.000+/-0.000 χ²/NDF: 1181949.6/17
Left In: 0.000+/-0.000 χ²/NDF:2517280.0/20
+ sign 0.000+/-0.000 χ²/NDF: 4661108.8/37
All: 0.000+/-0.000 χ²/NDF: 9191351.5/76
- sign 0.000+/-0.000 χ²/NDF: 4530170.8/38



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: 0.019+/-0.011 χ^2/NDF:34.8/21

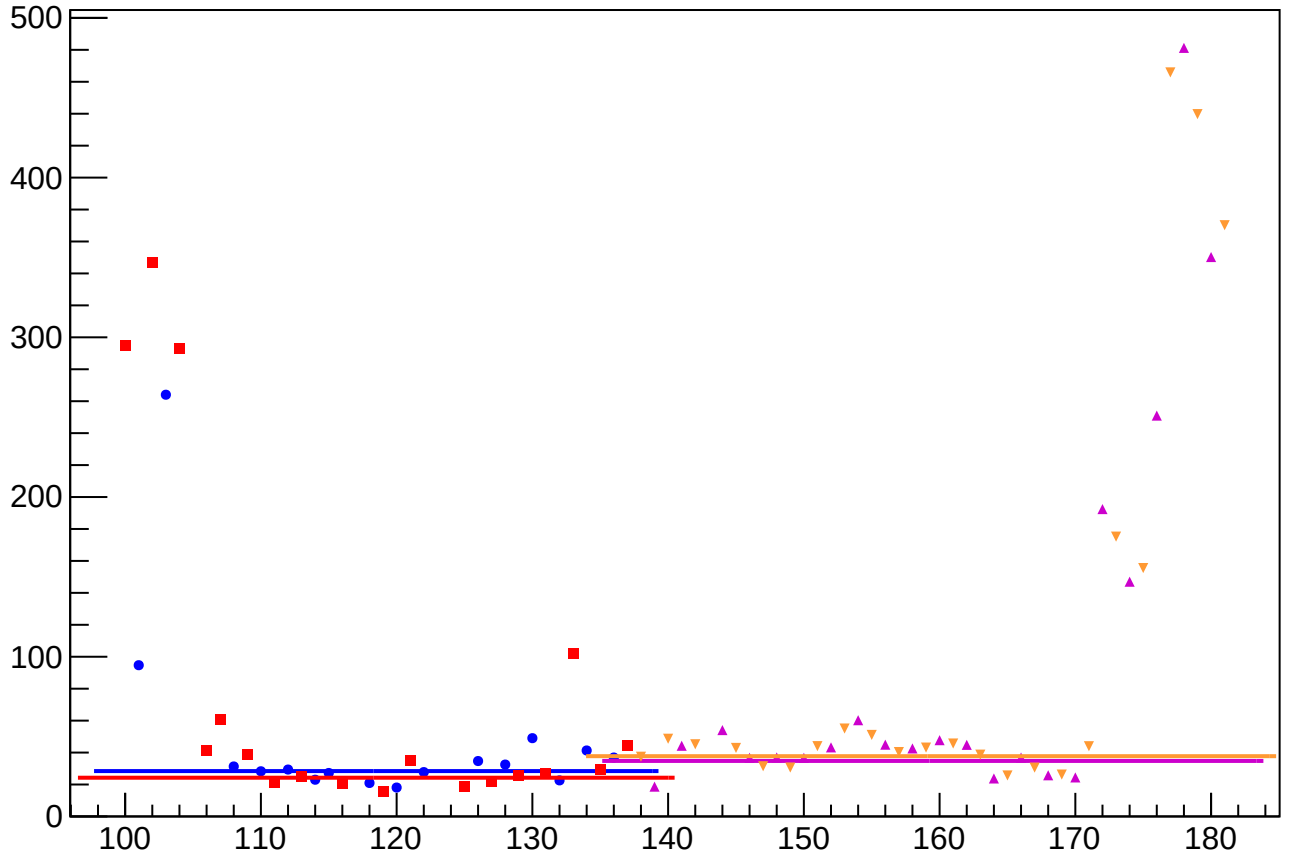
Right Out: 0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: 0.011+/-0.010 χ^2/NDF:22.8/20

+ sign 0.004+/-0.008 χ^2/NDF: 51.2/37

All: 0.006+/-0.006 χ^2/NDF: 82.1/76

- sign 0.008+/-0.008 χ^2/NDF: 30.9/38



Right In: 28.411+/-0.009 χ^2/NDF: 2245642.8/15

Left Out: 37.737+/-0.008 χ^2/NDF:6891538.5/21

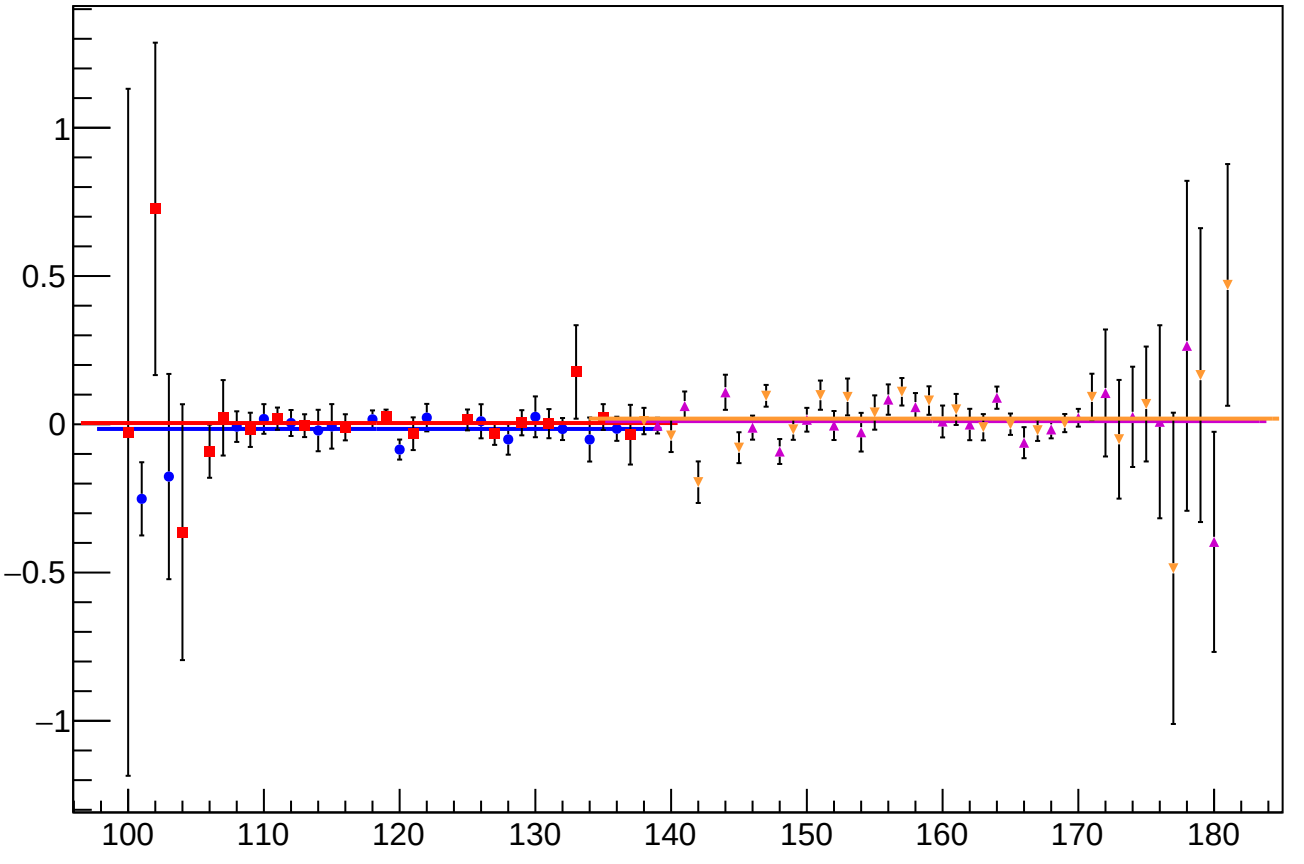
Right Out: 24.255+/-0.008 χ^2/NDF: 2913469.3/17

Left In: 34.763+/-0.007 χ^2/NDF:7901262.8/20

+ sign 33.670+/-0.006 χ^2/NDF: 9784831.6/37

All: 31.760+/-0.004 χ^2/NDF: 21741905.1/76

- sign 30.071+/-0.005 χ^2/NDF: 11748849.1/38



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: 0.019+/-0.011 χ^2/NDF:34.8/21

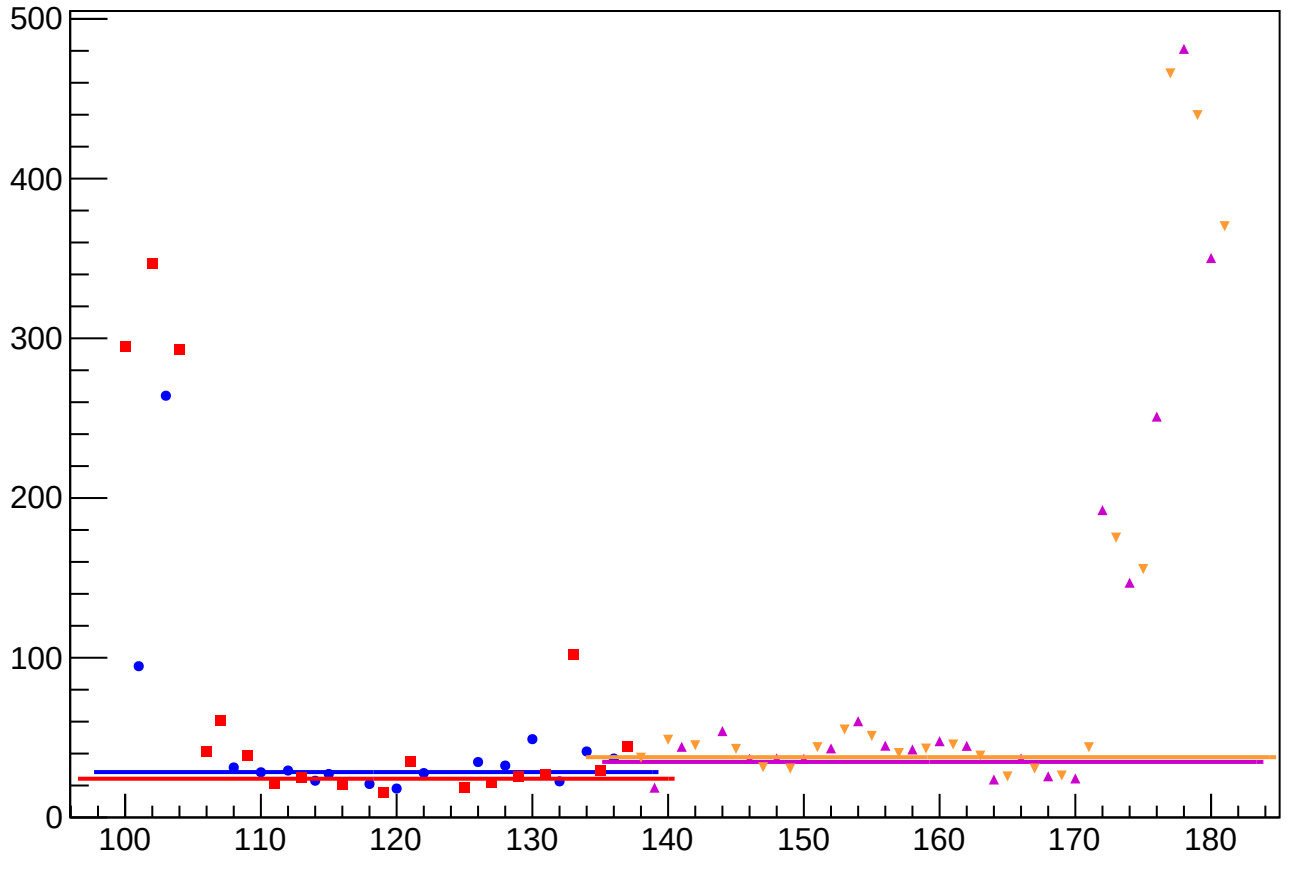
Right Out: 0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: 0.011+/-0.010 χ^2/NDF:22.8/20

+ sign 0.004+/-0.008 χ^2/NDF: 51.2/37

All: 0.006+/-0.006 χ^2/NDF: 82.1/76

- sign 0.008+/-0.008 χ^2/NDF: 30.9/38



Right In: 28.411+/-0.009 χ^2/NDF: 2245642.8/15

Left Out: 37.737+/-0.008 χ^2/NDF:6891538.5/21

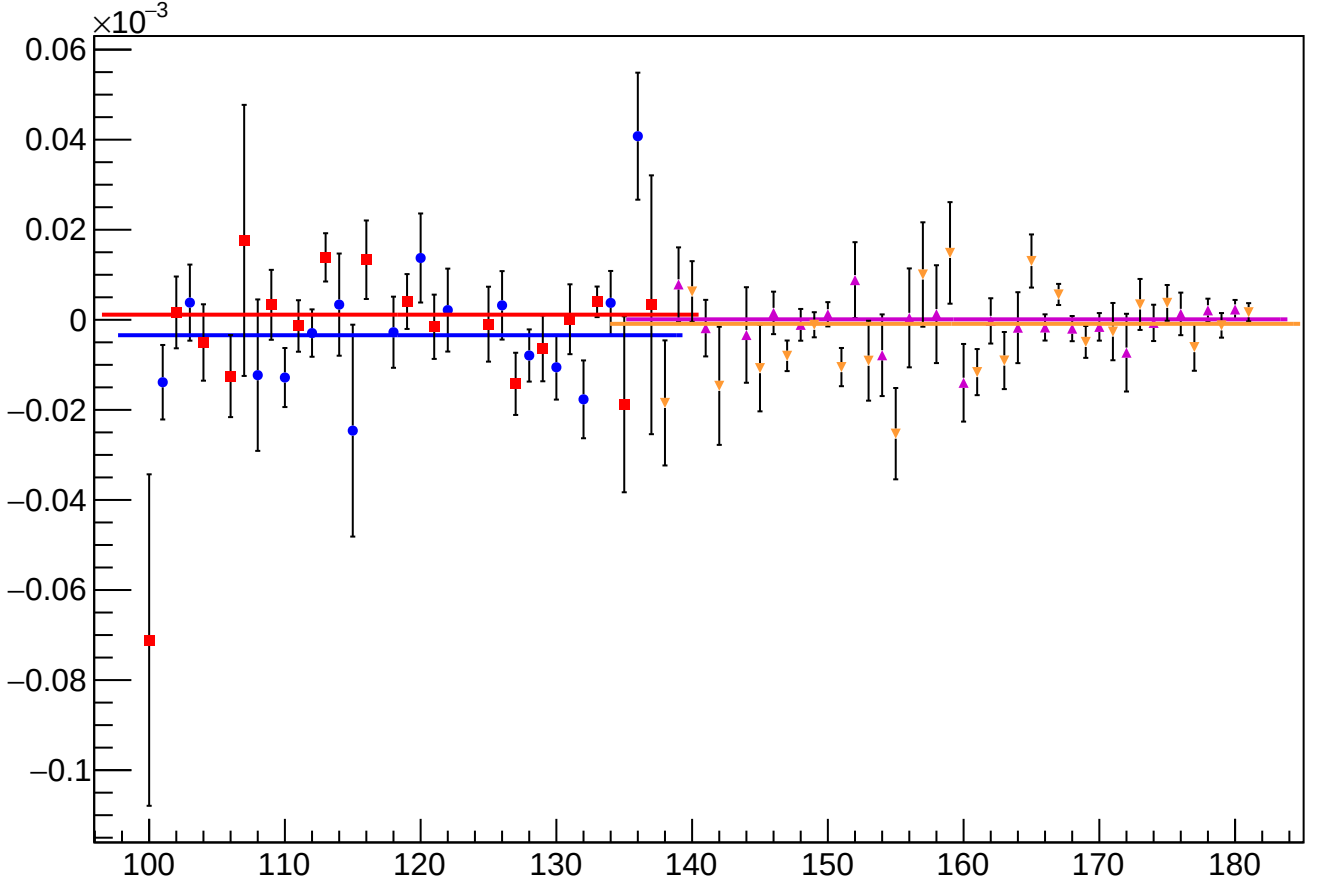
Right Out: 24.255+/-0.008 χ^2/NDF: 2913469.3/17

Left In: 34.763+/-0.007 χ^2/NDF:7901262.8/20

+ sign 33.670+/-0.006 χ^2/NDF: 9784831.6/37

All: 31.760+/-0.004 χ^2/NDF: 21741905.1/76

- sign 30.071+/-0.005 χ^2/NDF: 11748849.1/38



Right In: -0.000+/-0.000 χ^2/NDF: 25.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:49.1/21

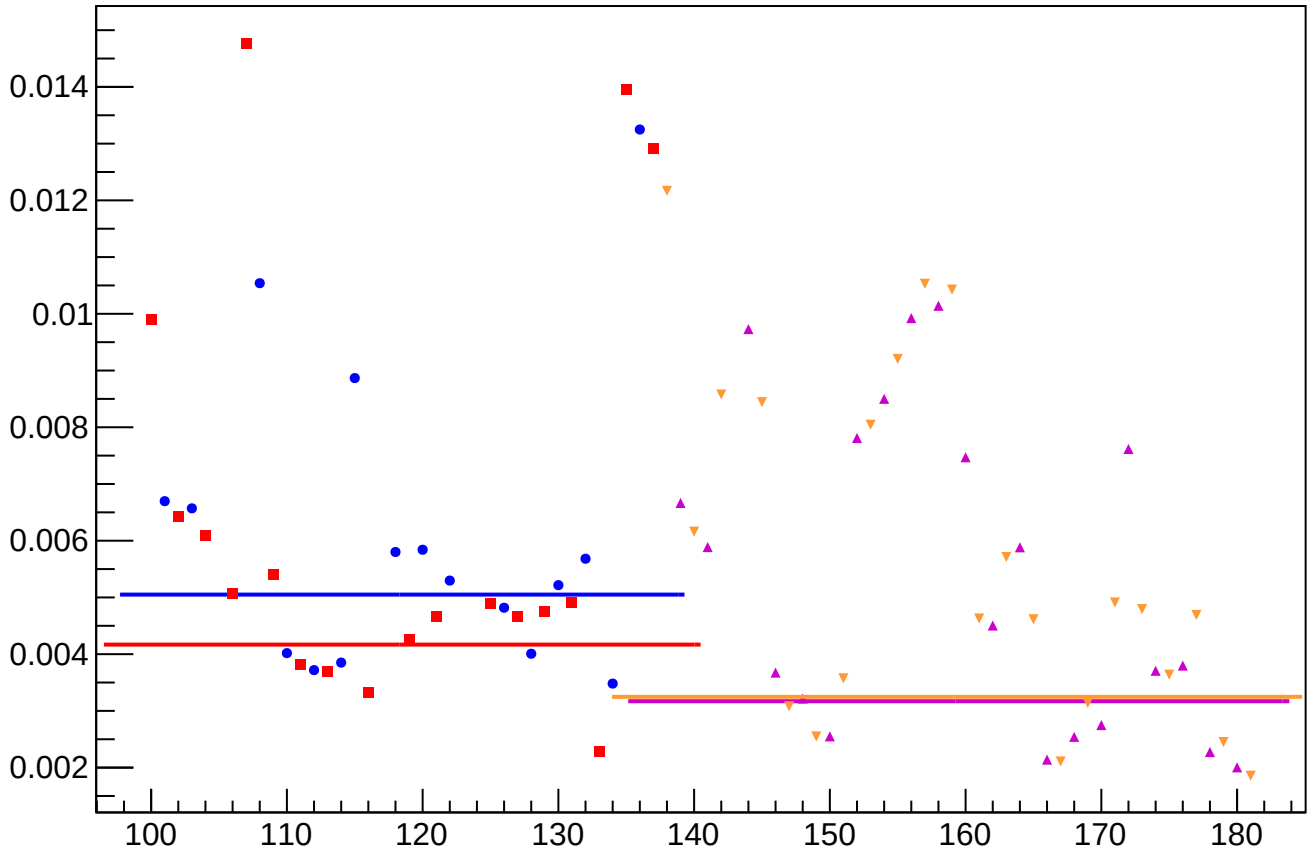
Right Out: 0.000+/-0.000 χ^2/NDF: 23.0/17

Left In: 0.000+/-0.000 χ^2/NDF:9.8/20

+ sign -0.000+/-0.000 χ^2/NDF: 75.6/37

All: -0.000+/-0.000 χ^2/NDF: 110.7/76

- sign 0.000+/-0.000 χ^2/NDF: 33.1/38



Right In: 0.005+/-0.000 χ^2/NDF: 1494215.1/15

Left Out: 0.003+/-0.000 χ^2/NDF:7728143.3/21

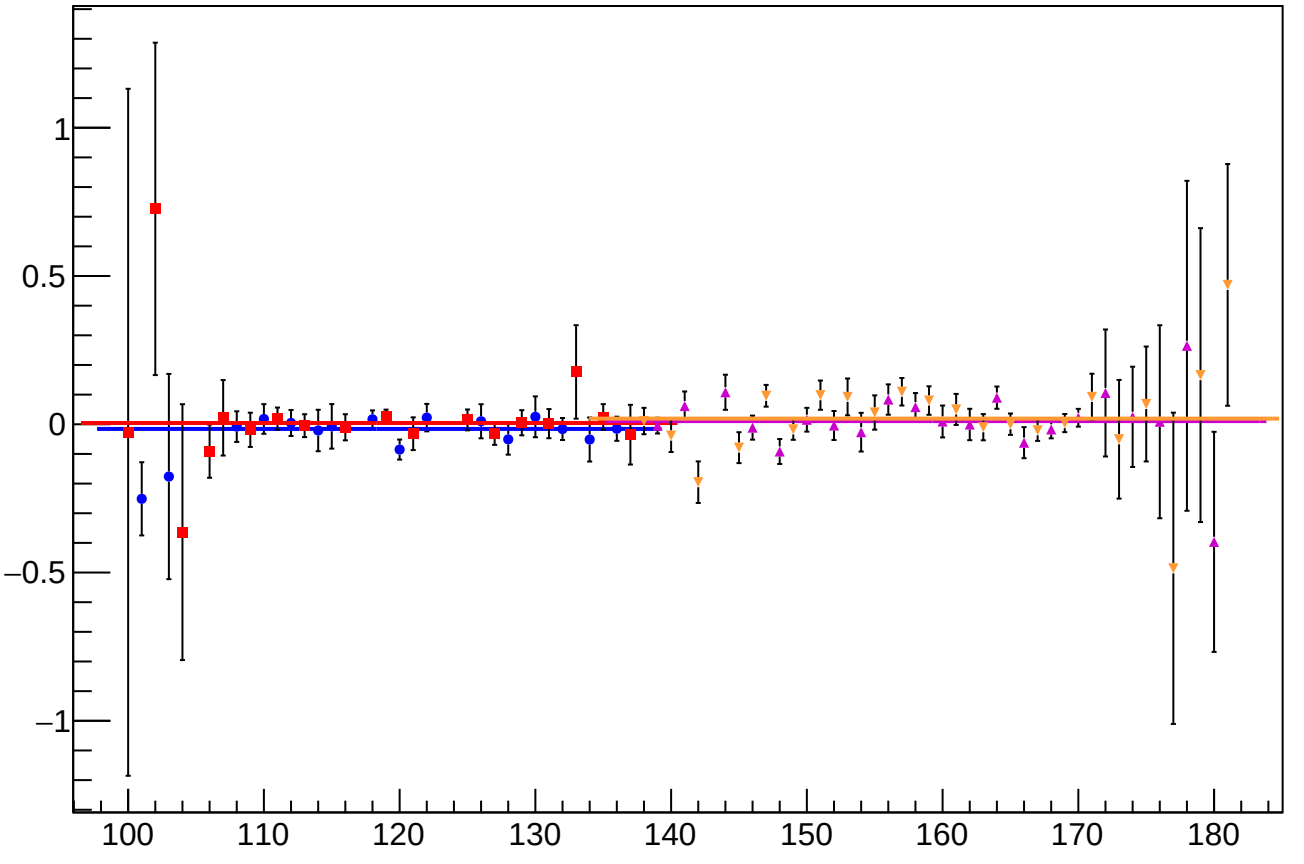
Right Out: 0.004+/-0.000 χ^2/NDF: 2041975.6/17

Left In: 0.003+/-0.000 χ^2/NDF:7222873.4/20

+ sign 0.004+/-0.000 χ^2/NDF: 10546250.2/37

All: 0.003+/-0.000 χ^2/NDF: 20393259.2/76

- sign 0.003+/-0.000 χ^2/NDF: 9807404.7/38



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: 0.019+/-0.011 χ^2/NDF:34.8/21

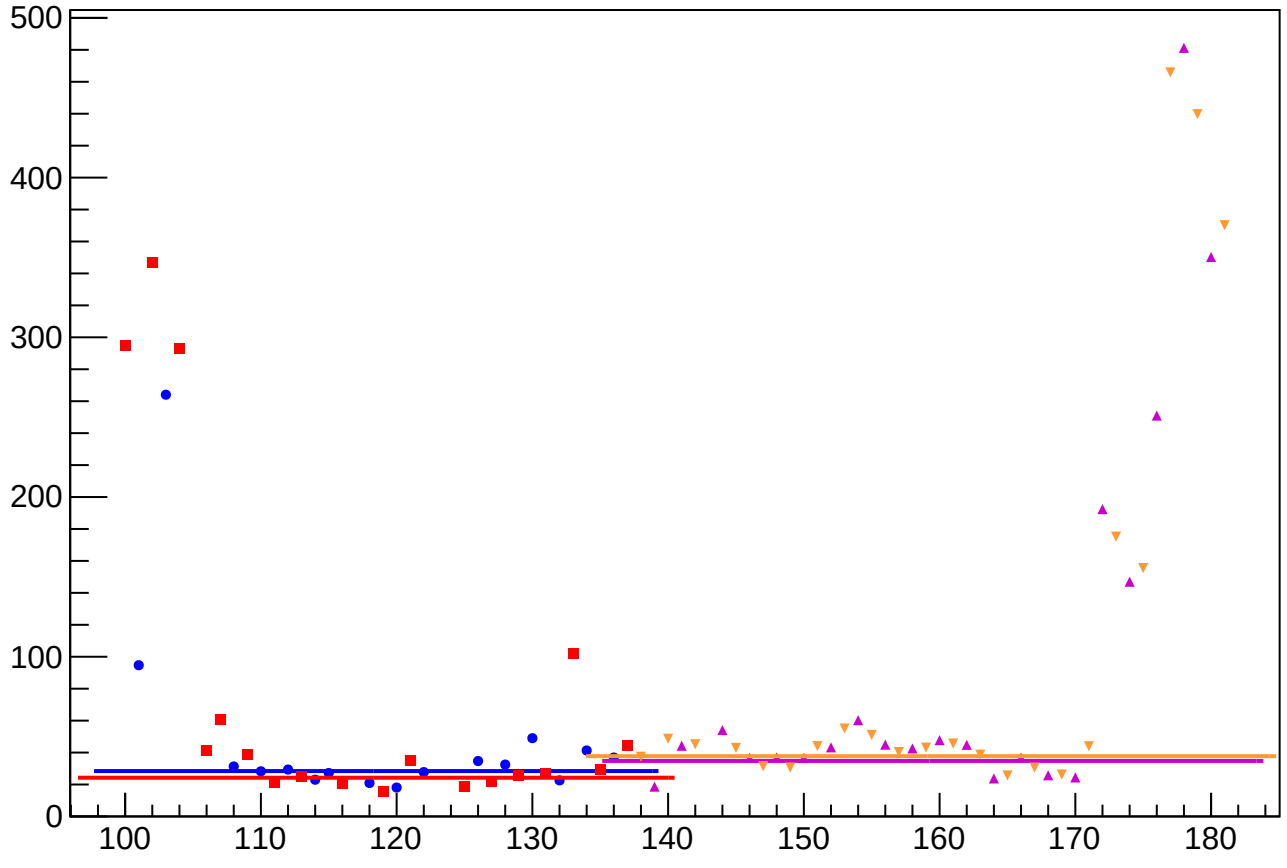
Right Out: 0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: 0.011+/-0.010 χ^2/NDF:22.8/20

+ sign 0.004+/-0.008 χ^2/NDF: 51.2/37

All: 0.006+/-0.006 χ^2/NDF: 82.1/76

- sign 0.008+/-0.008 χ^2/NDF: 30.9/38



Right In: 28.411+/-0.009 χ^2/NDF: 2245663.3/15

Left Out: 37.737+/-0.008 χ^2/NDF:6891700.4/21

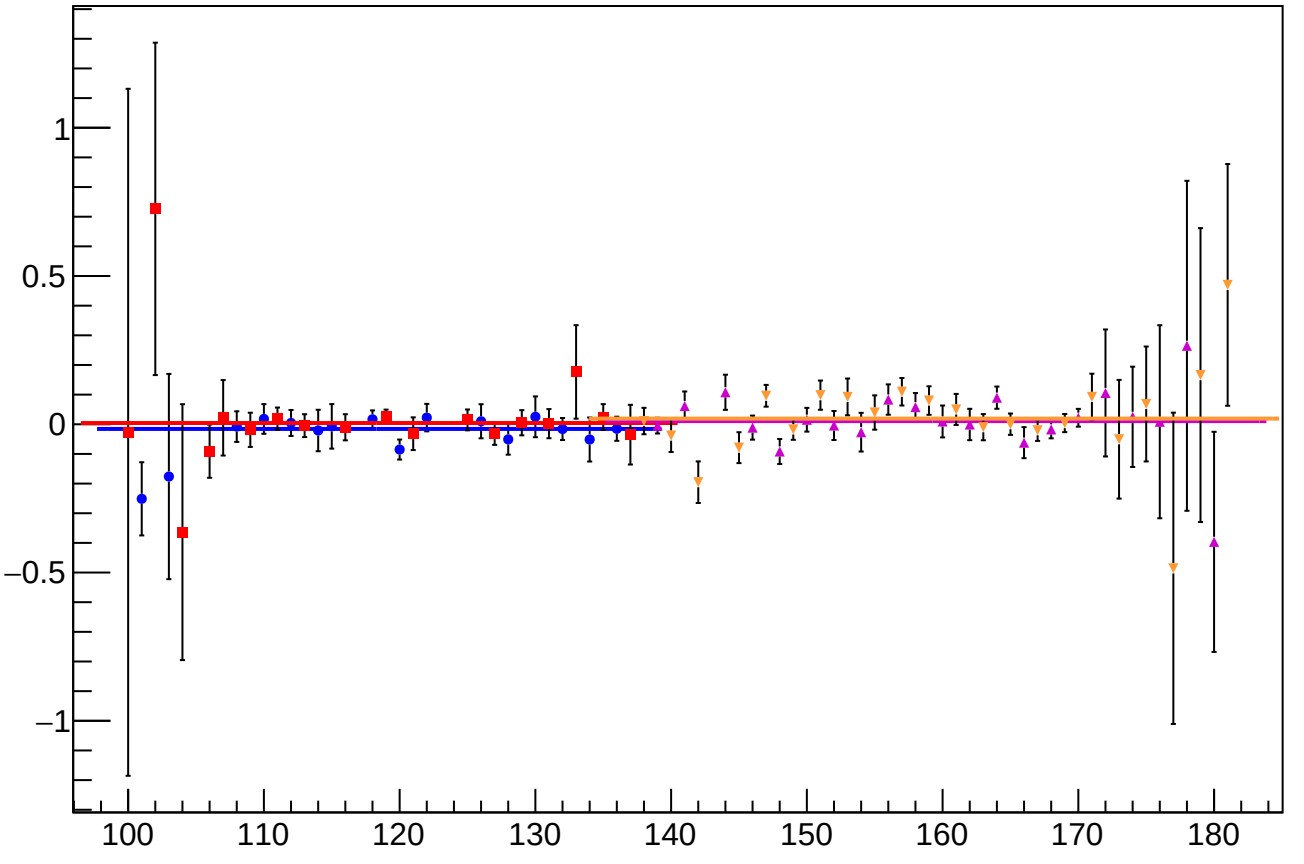
Right Out: 24.254+/-0.008 χ^2/NDF: 2913710.0/17

Left In: 34.763+/-0.007 χ^2/NDF:7901685.0/20

\+ sign 33.670+/-0.006 χ^2/NDF: 9784972.9/37

All: 31.759+/-0.004 χ^2/NDF: 21743088.1/76

\- sign 30.069+/-0.005 χ^2/NDF: 11749782.8/38



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: 0.019+/-0.011 χ^2/NDF:34.8/21

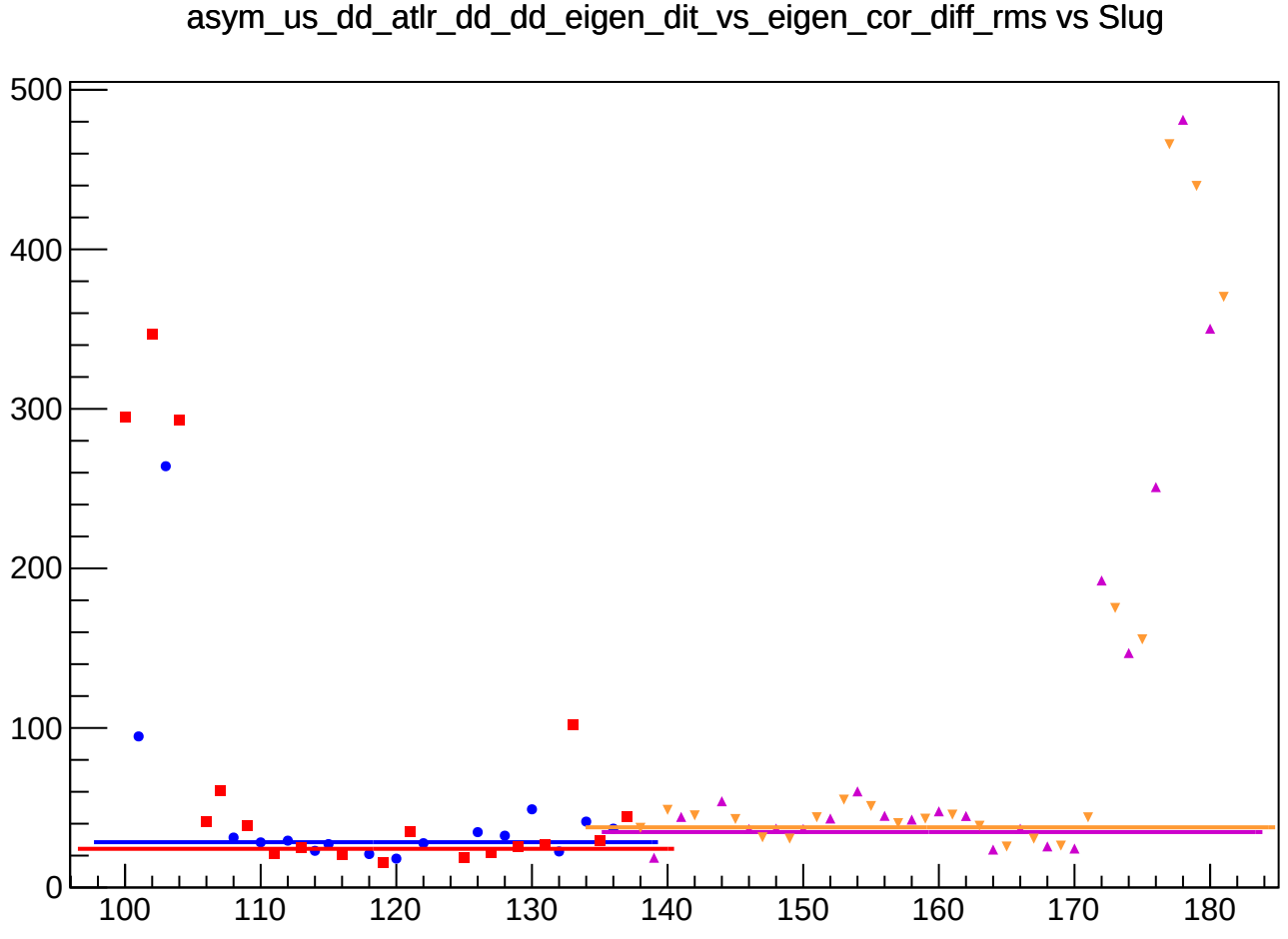
Right Out: 0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: 0.011+/-0.010 χ^2/NDF:22.8/20

+ sign 0.004+/-0.008 χ^2/NDF: 51.2/37

All: 0.006+/-0.006 χ^2/NDF: 82.1/76

- sign 0.008+/-0.008 χ^2/NDF: 30.9/38



Right In: 28.411+/-0.009 χ^2/NDF: 2245663.3/15

Left Out: 37.737+/-0.008 χ^2/NDF:6891700.4/21

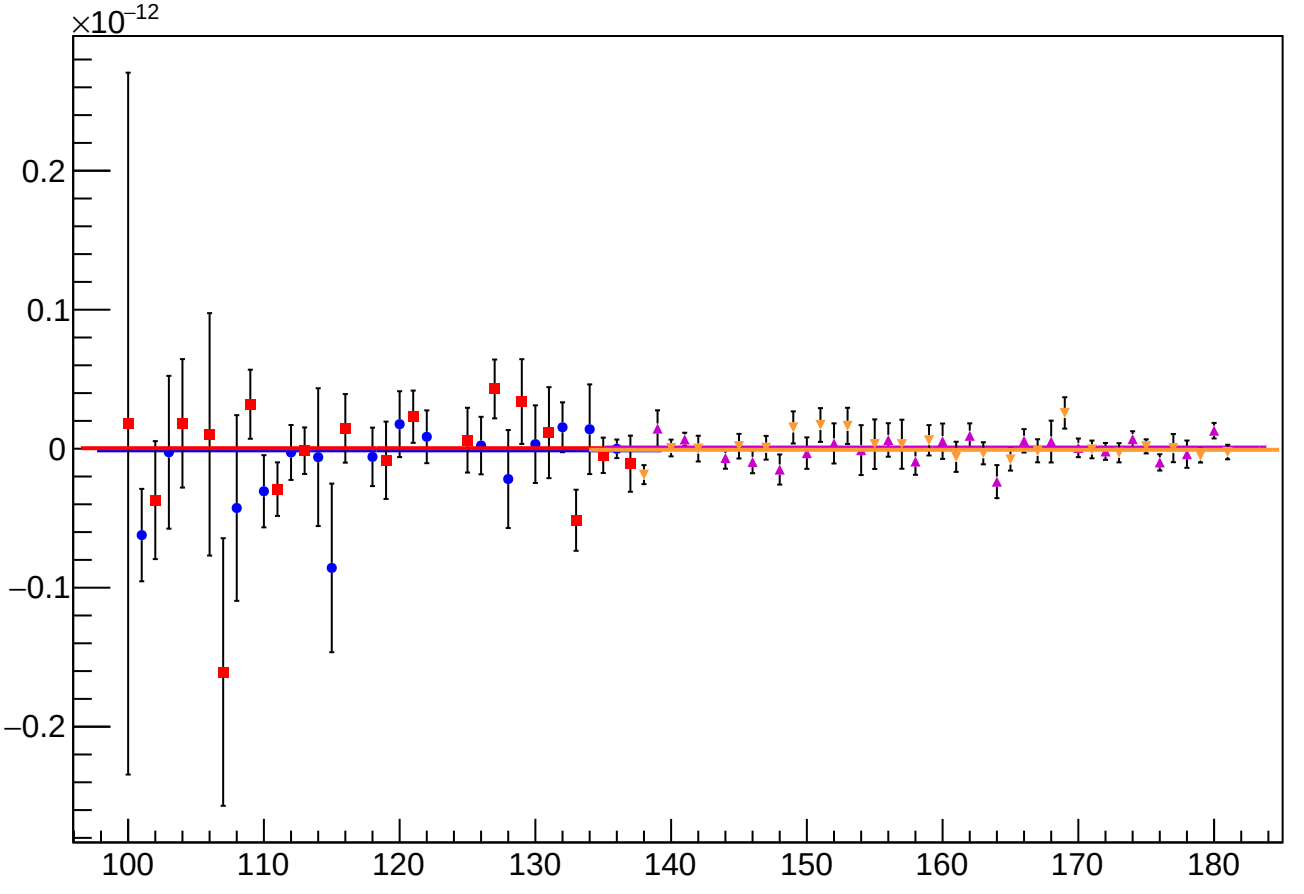
Right Out: 24.254+/-0.008 χ^2/NDF: 2913710.0/17

Left In: 34.763+/-0.007 χ^2/NDF:7901685.0/20

+ sign 33.670+/-0.006 χ^2/NDF: 9784972.9/37

All: 31.759+/-0.004 χ^2/NDF: 21743088.1/76

- sign 30.069+/-0.005 χ^2/NDF: 11749782.8/38



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.0/21

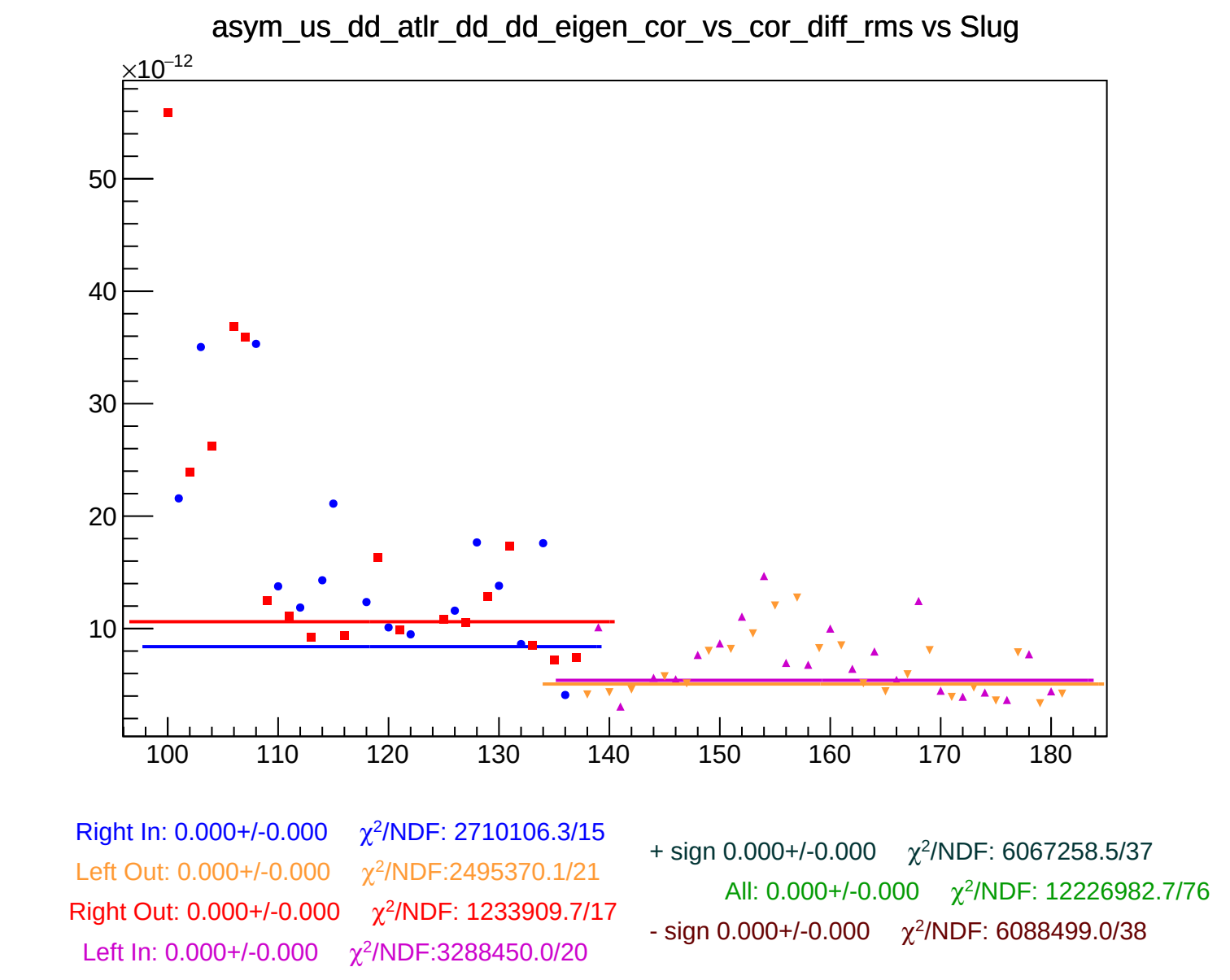
Right Out: 0.000+/-0.000 χ^2/NDF: 21.1/17

Left In: 0.000+/-0.000 χ^2/NDF:24.0/20

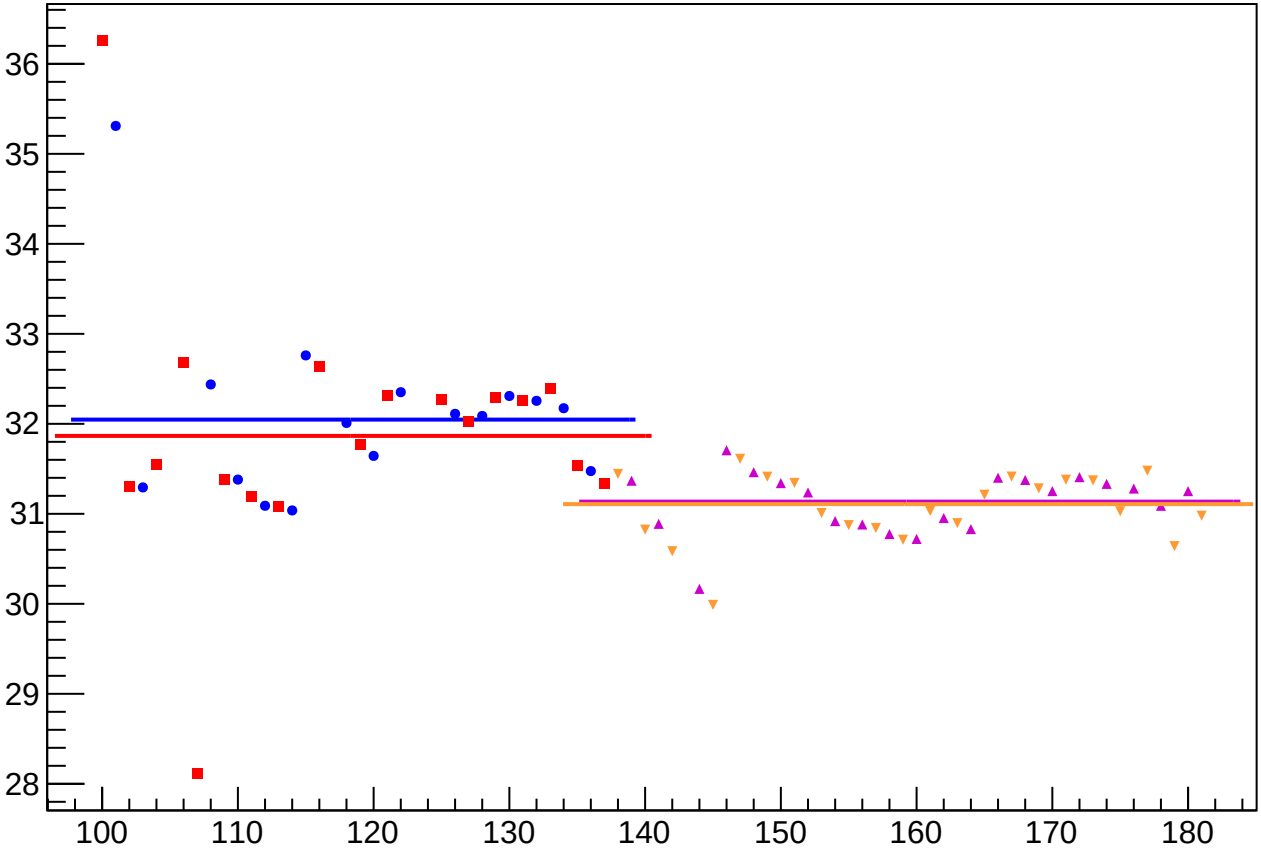
+ sign -0.000+/-0.000 χ^2/NDF: 30.5/37

All: -0.000+/-0.000 χ^2/NDF: 76.0/76

- sign 0.000+/-0.000 χ^2/NDF: 45.0/38


asym_us_dd_atlr_dd_dd_eigen_cor_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: 2710106.3/15
Left Out: 0.000+/-0.000 χ²/NDF:2495370.1/21
Right Out: 0.000+/-0.000 χ²/NDF: 1233909.7/17
Left In: 0.000+/-0.000 χ²/NDF:3288450.0/20
+ sign 0.000+/-0.000 χ²/NDF: 6067258.5/37
All: 0.000+/-0.000 χ²/NDF: 12226982.7/76
- sign 0.000+/-0.000 χ²/NDF: 6088499.0/38

yield_usl_mean vs Slug



Right In: 32.047+/-0.000 χ^2/NDF: 898593424.6/15

Left Out: 31.108+/-0.000 χ^2/NDF:316211124.5/21

Right Out: 31.866+/-0.000 χ^2/NDF: 485941075.6/17

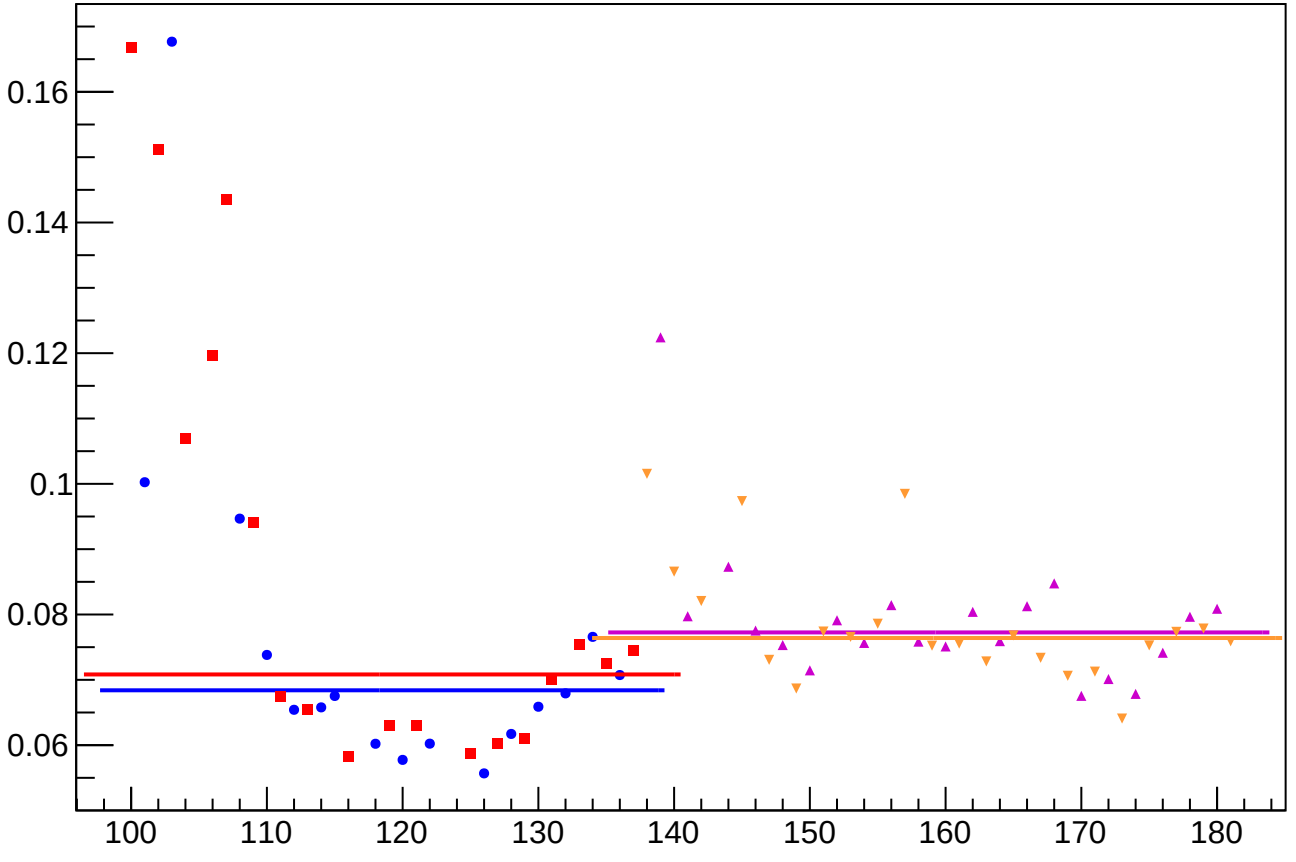
Left In: 31.136+/-0.000 χ^2/NDF:278592664.1/20

\+ sign 31.419+/-0.000 χ^2/NDF: 2004031471.8/37

All: 31.396+/-0.000 χ^2/NDF: 3221515279.1/7

\- sign 31.371+/-0.000 χ^2/NDF: 1213029250.8/38

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:352477.2/21

Right Out: 0.071+/-0.000 χ^2/NDF: 868237.4/17

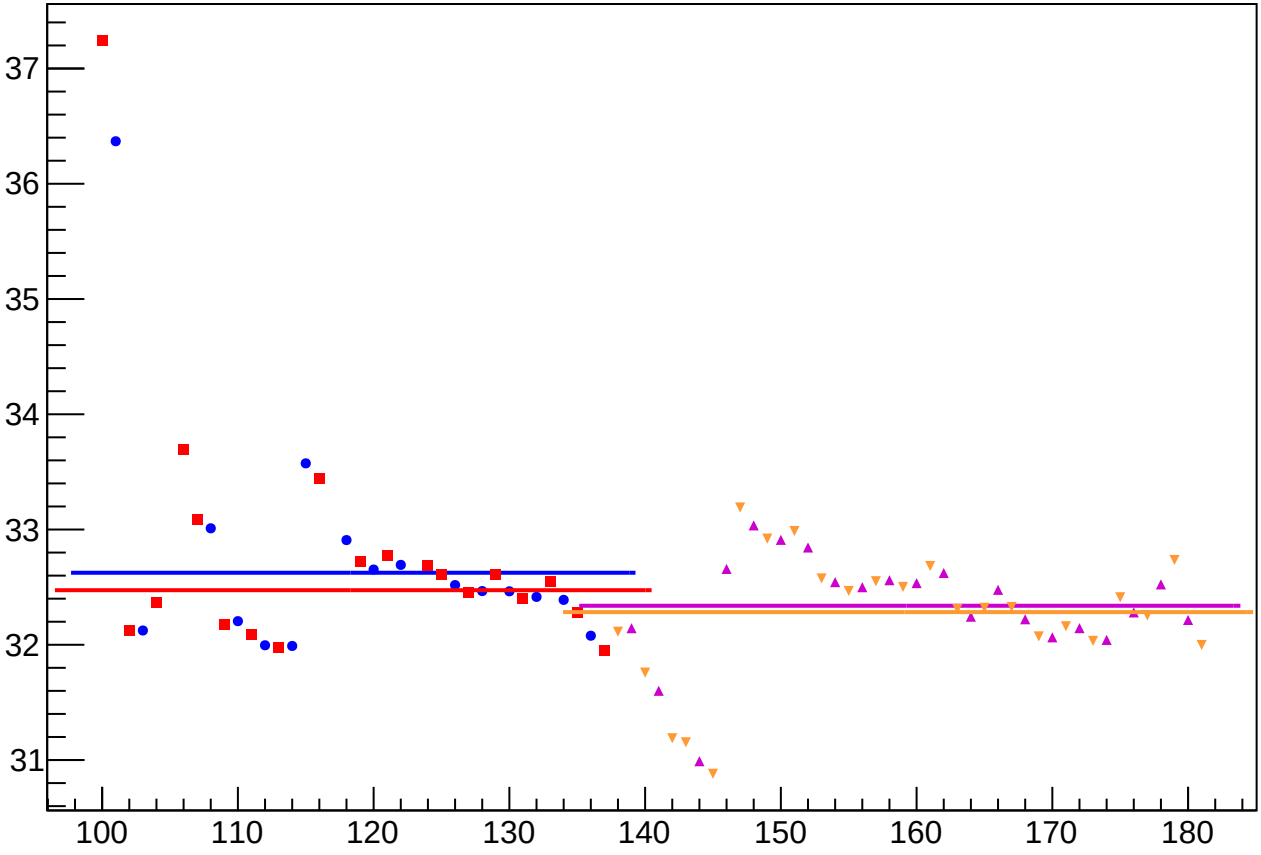
Left In: 0.077+/-0.000 χ^2/NDF:358416.9/20

+ sign 0.074+/-0.000 χ^2/NDF: 1170319.4/37

All: 0.074+/-0.000 χ^2/NDF: 2474578.6/76

- sign 0.075+/-0.000 χ^2/NDF: 1296214.6/38

yield_usr_mean vs Slug



Right In: 32.625+/-0.000 χ^2/NDF: 739141163.5/15

Left Out: 32.283+/-0.000 χ^2/NDF:833590859.9/22

Right Out: 32.474+/-0.000 χ^2/NDF: 156801553.7/18

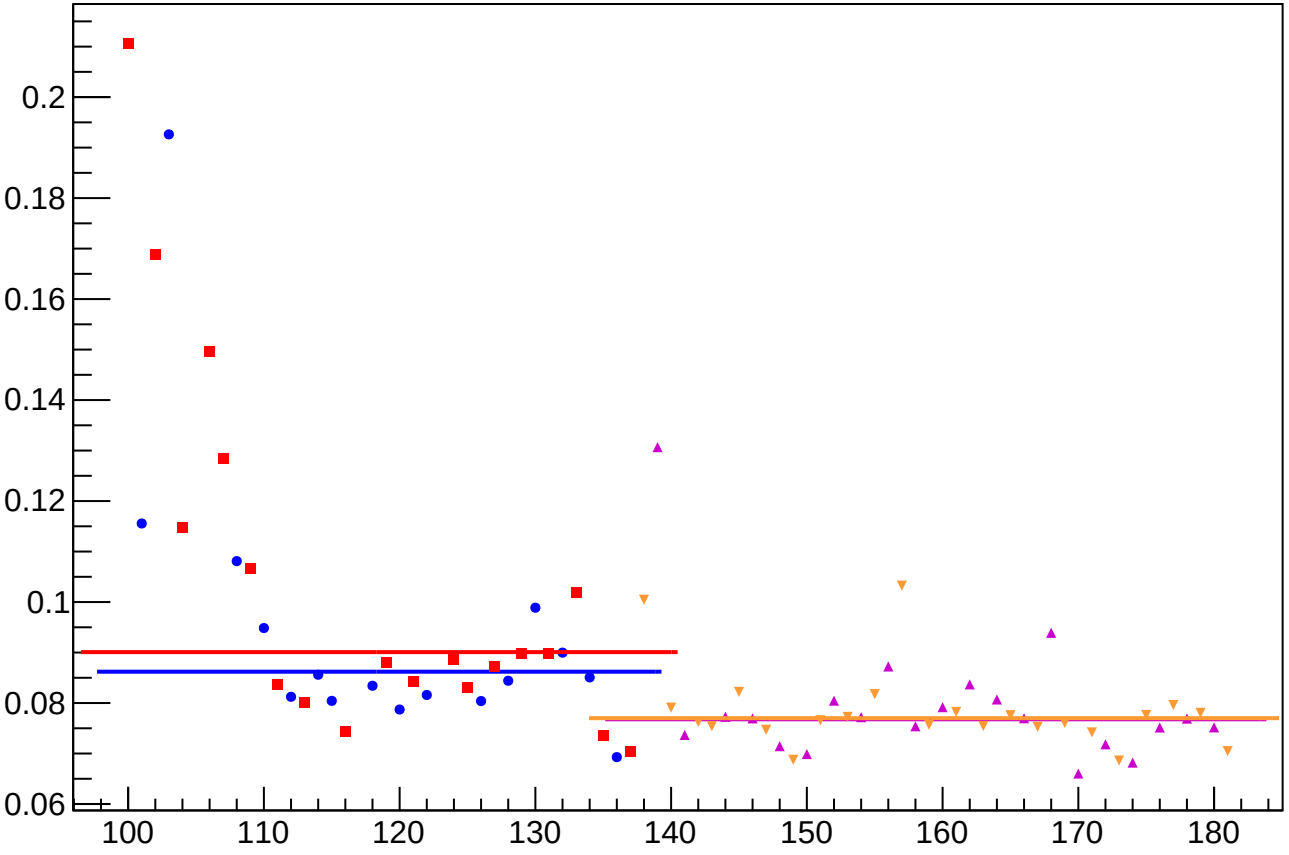
Left In: 32.339+/-0.000 χ^2/NDF:582044134.2/20

+ sign 32.362+/-0.000 χ^2/NDF: 1648492174.1/38

All: 32.366+/-0.000 χ^2/NDF: 2398579666.4/7

- sign 32.369+/-0.000 χ^2/NDF: 749997857.3/39

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:245664.2/22

Right Out: 0.090+/-0.000 χ^2/NDF: 621848.1/18

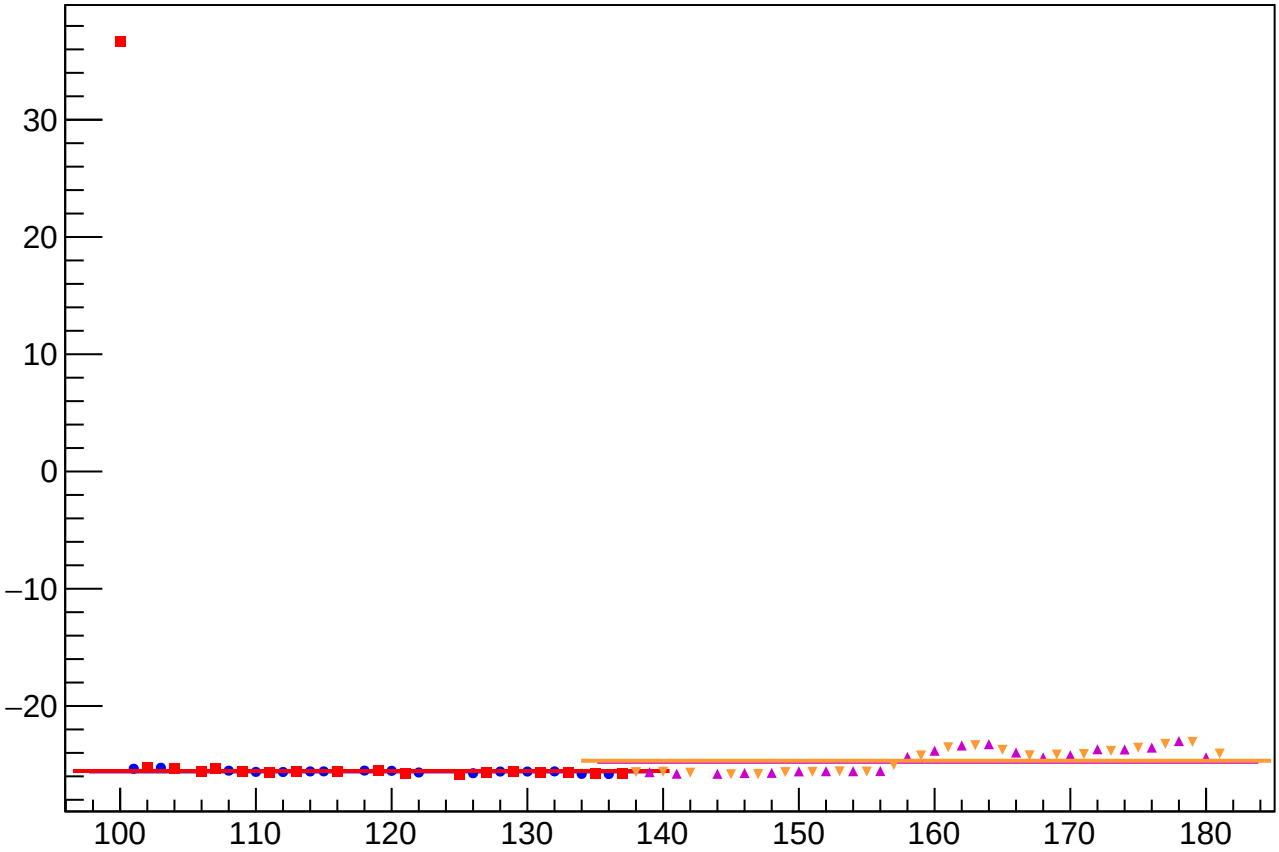
Left In: 0.077+/-0.000 χ^2/NDF:473602.8/20

+ sign 0.079+/-0.000 χ^2/NDF: 954480.4/38

All: 0.079+/-0.000 χ^2/NDF: 2268606.7/78

- sign 0.080+/-0.000 χ^2/NDF: 1312427.1/39

yield_dsl_mean vs Slug



Right In: -25.579+/-0.000 χ^2/NDF: 98389255.1/15

Left Out: -24.669+/-0.000 χ^2/NDF:8231668770.7/21

Right Out: -25.544+/-0.000 χ^2/NDF: 8907540506.8/17

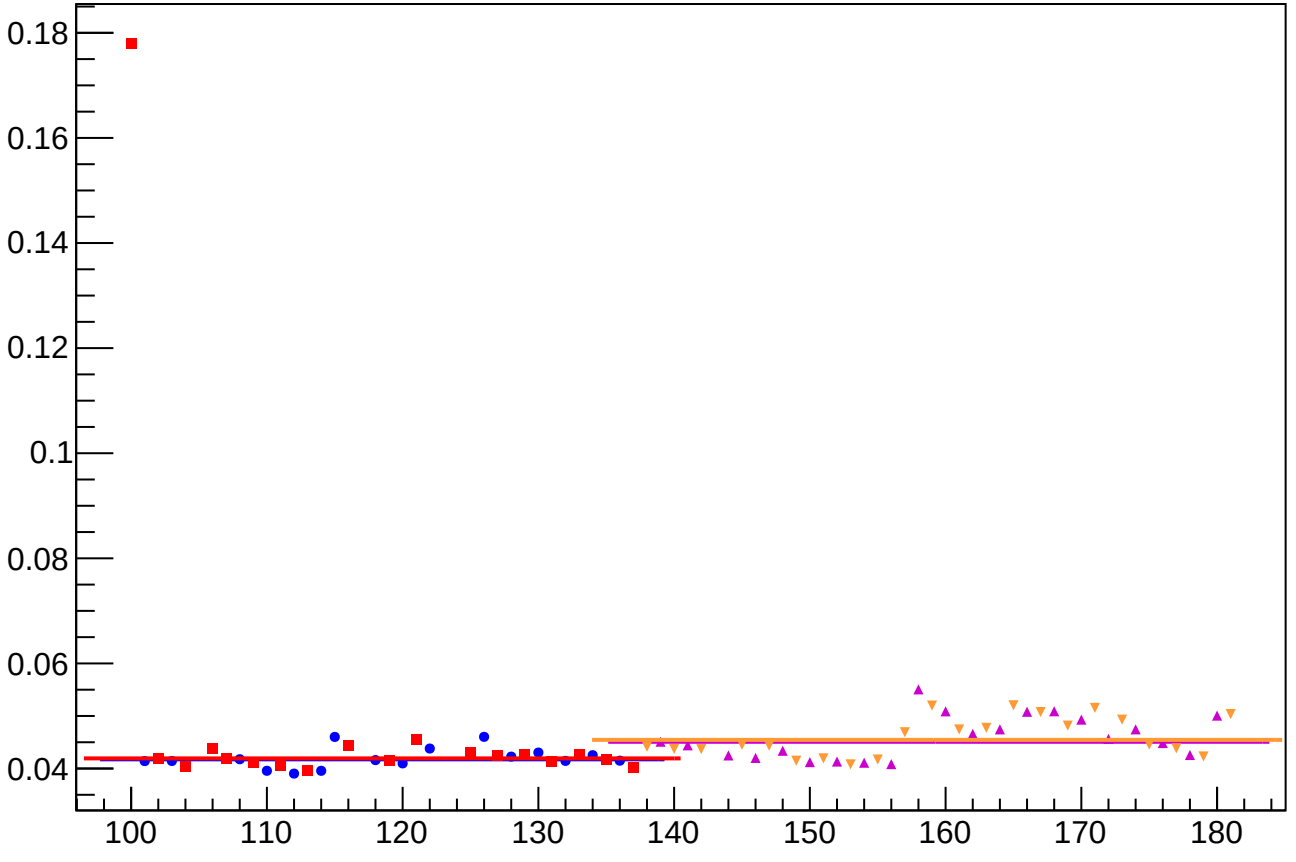
Left In: -24.757+/-0.000 χ^2/NDF:8064678005.3/20

+ sign -24.972+/-0.000 χ^2/NDF: 10601026423.4/37

All: -24.996+/-0.000 χ^2/NDF: 29284719256.8

- sign -25.019+/-0.000 χ^2/NDF: 18669885874.7/38

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:201289.1/21

Right Out: 0.042+/-0.000 χ^2/NDF: 100140.4/17

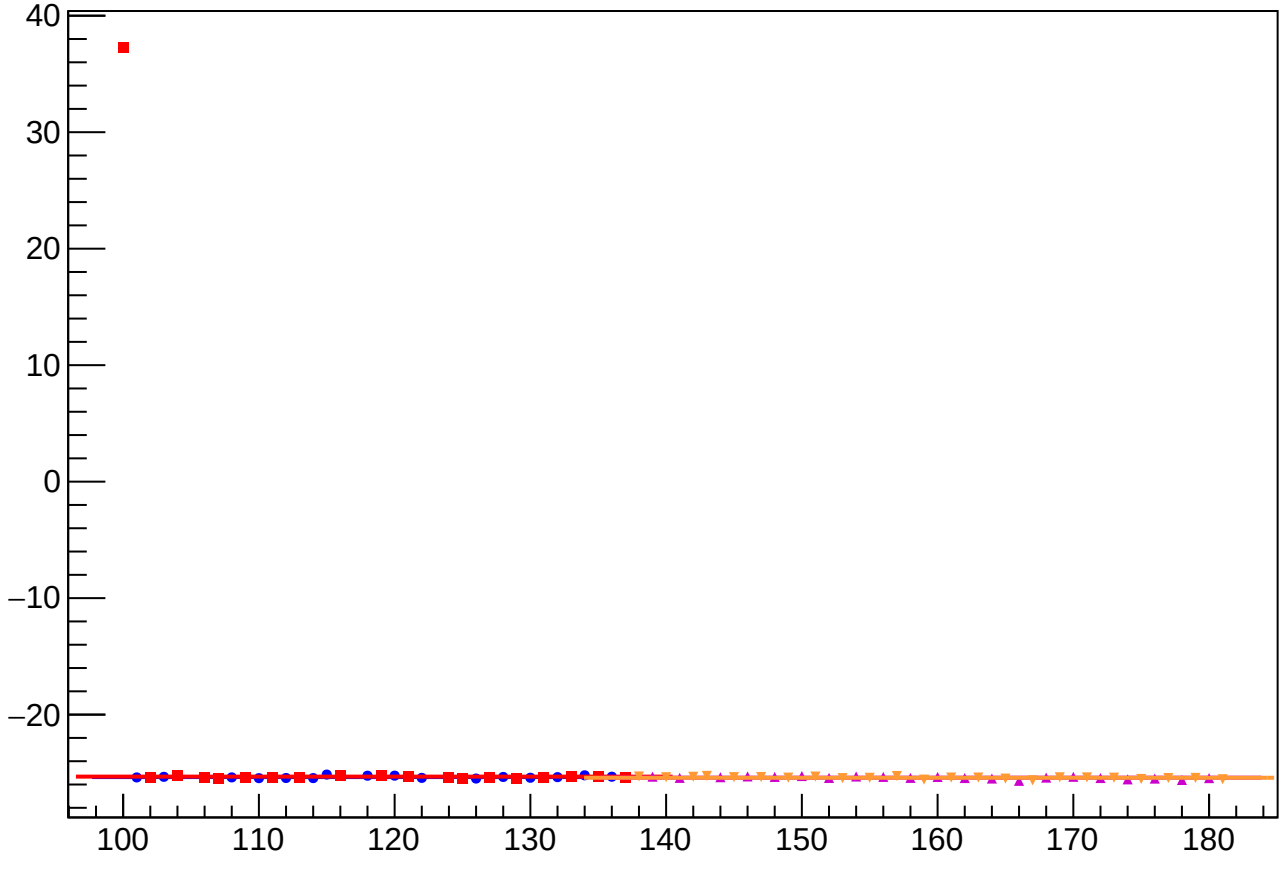
Left In: 0.045+/-0.000 χ^2/NDF:238945.5/20

\+ sign 0.044+/-0.000 χ^2/NDF: 297215.0/37

All: 0.044+/-0.000 χ^2/NDF: 691552.4/76

\- sign 0.044+/-0.000 χ^2/NDF: 393929.3/38

yield_dsr_mean vs Slug



Right In: -25.360+/-0.000 χ^2/NDF: 13284405.9/15

Left Out: -25.420+/-0.000 χ^2/NDF:51200499.8/22

Right Out: -25.322+/-0.000 χ^2/NDF: 6314907036.5/18

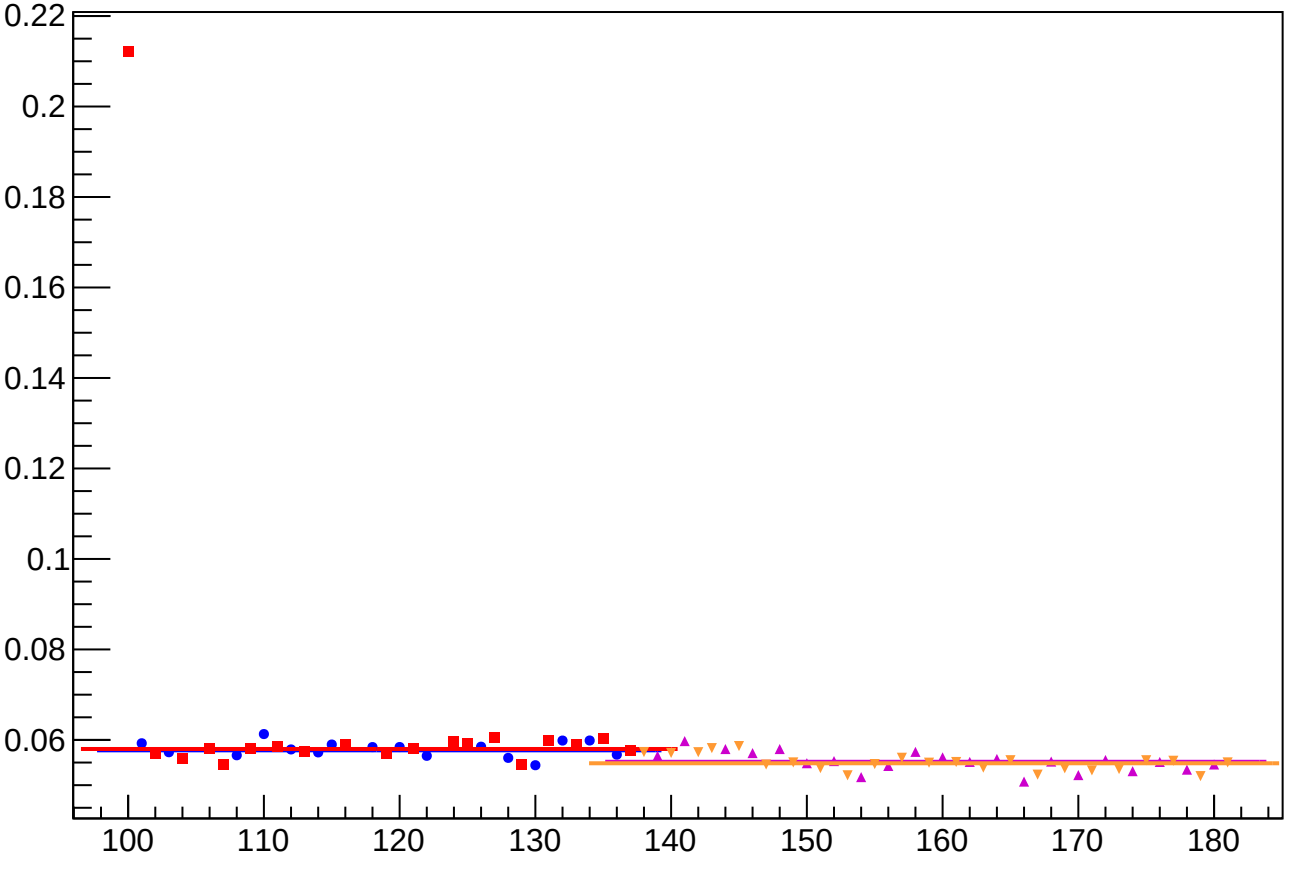
Left In: -25.415+/-0.000 χ^2/NDF:54946791.1/20

+ sign -25.404+/-0.000 χ^2/NDF: 69936227.7/38

All: -25.396+/-0.000 χ^2/NDF: 6453941814.8/

- sign -25.389+/-0.000 χ^2/NDF: 6383076556.5/39

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:36615.6/22

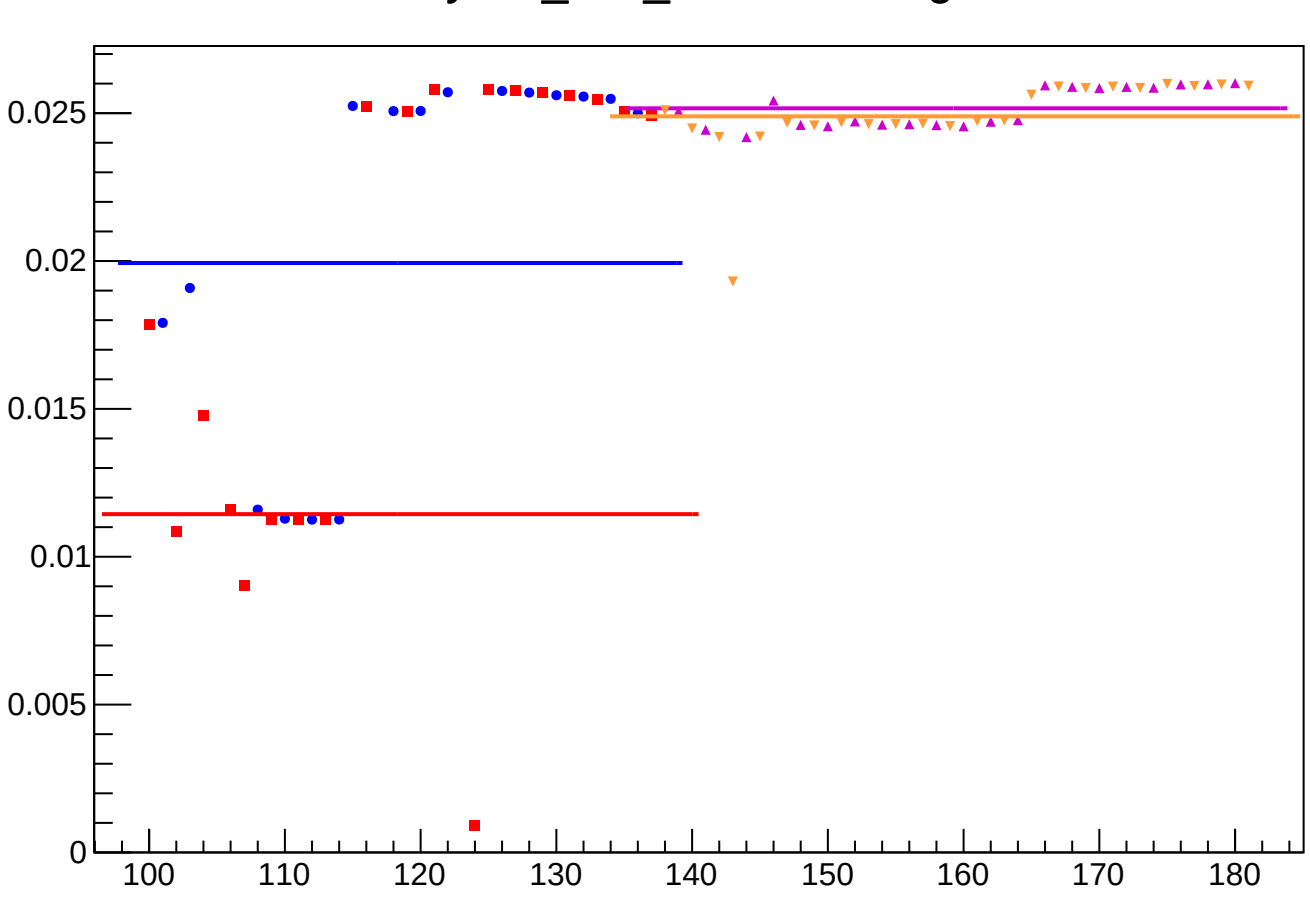
Right Out: 0.058+/-0.000 χ^2/NDF: 88682.9/18

Left In: 0.055+/-0.000 χ^2/NDF:49276.9/20

+ sign 0.056+/-0.000 χ^2/NDF: 73684.1/38

All: 0.056+/-0.000 χ^2/NDF: 237403.3/78

- sign 0.056+/-0.000 χ^2/NDF: 162634.0/39



Right In: 0.020+/-0.000 χ^2/NDF: 62465154056.0/15

Left Out: 0.025+/-0.000 χ^2/NDF:7297755620.9/22

Right Out: 0.011+/-0.000 χ^2/NDF: 253880264851.8/18

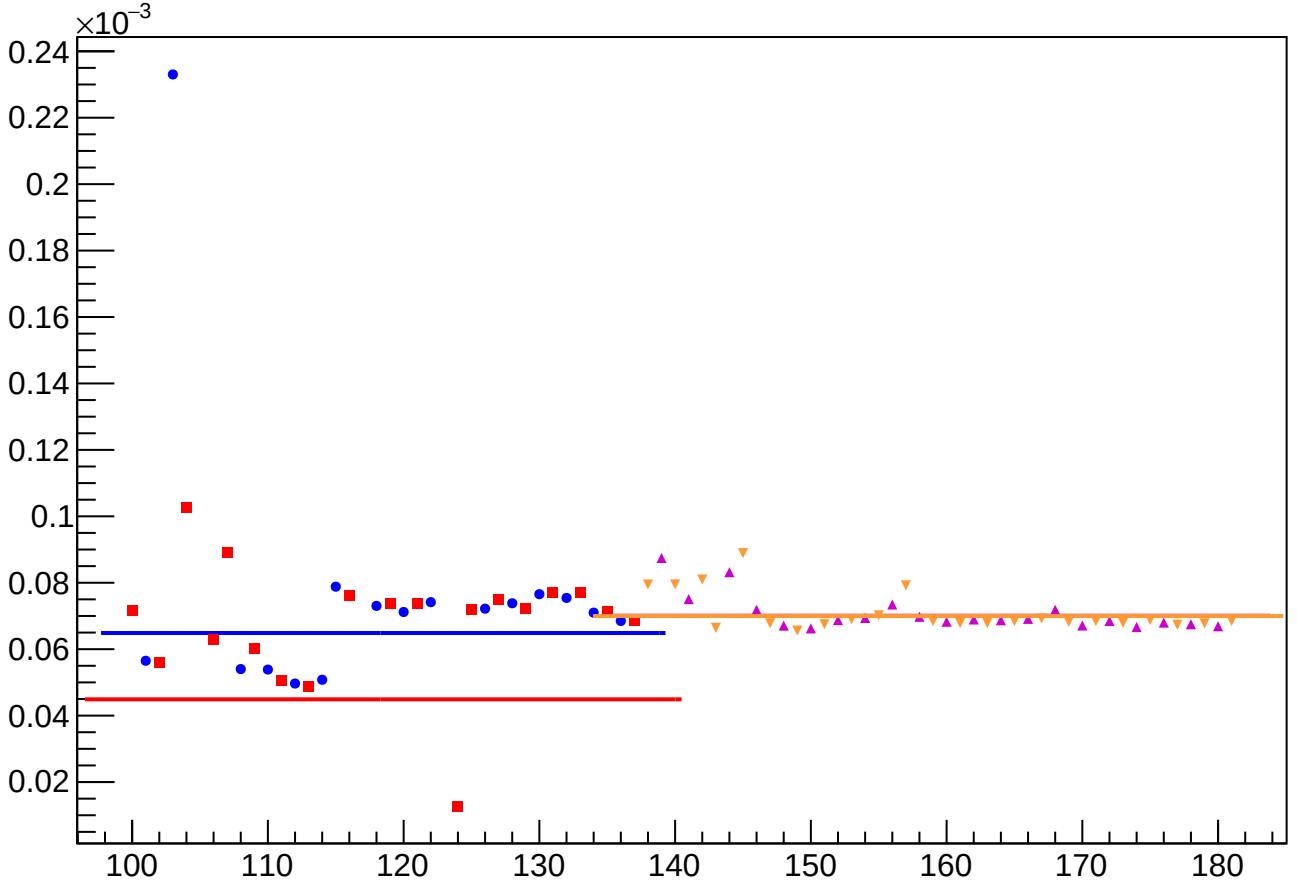
Left In: 0.025+/-0.000 χ^2/NDF:1434787745.1/20

+ sign 0.023+/-0.000 χ^2/NDF: 96627674811.3/38

All: 0.021+/-0.000 χ^2/NDF: 671644967595.0

- sign 0.019+/-0.000 χ^2/NDF: 529418042021.1/39

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:181071.4/22

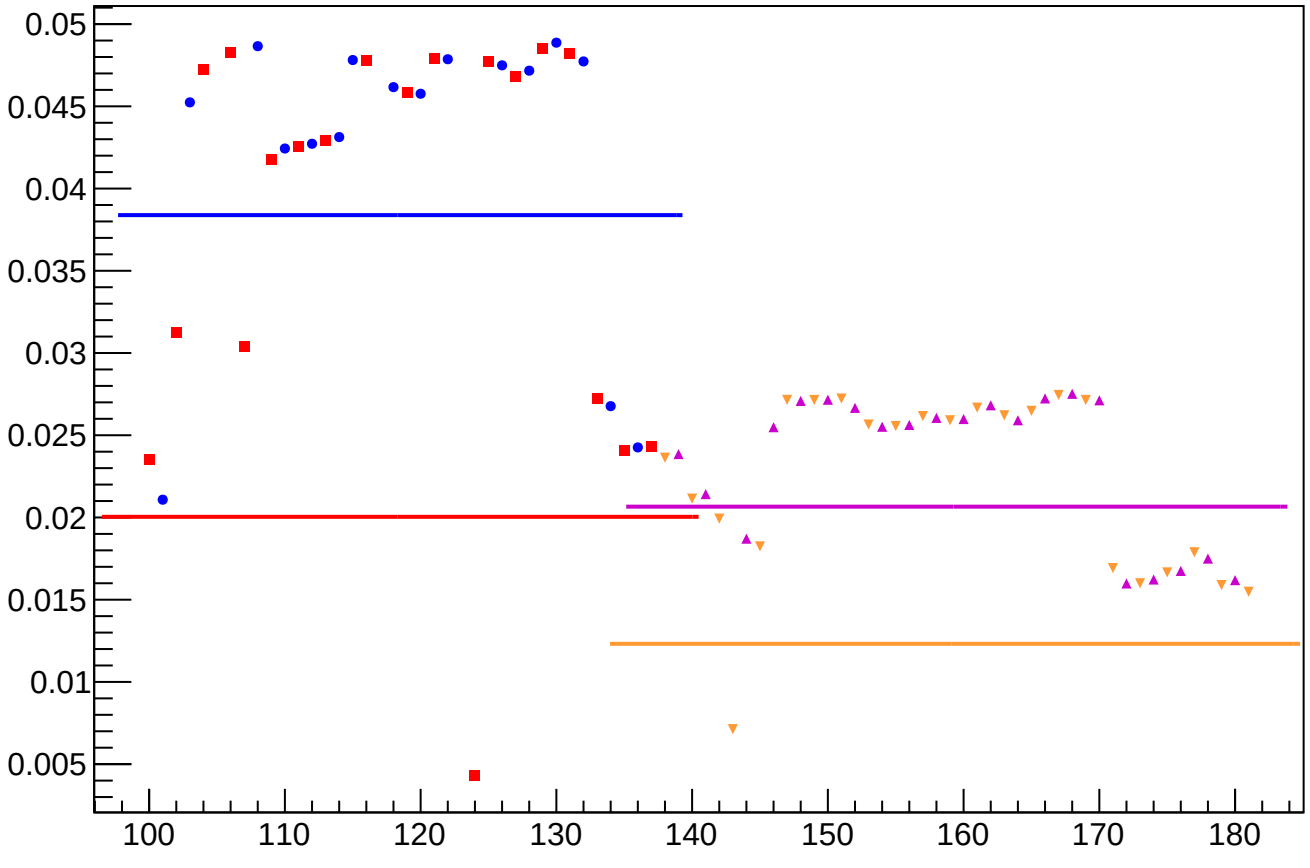
Right Out: 0.000+/-0.000 χ^2/NDF: 3770565.9/18

Left In: 0.000+/-0.000 χ^2/NDF:148179.1/20

+ sign 0.000+/-0.000 χ^2/NDF: 1054734.0/38

All: 0.000+/-0.000 χ^2/NDF: 7268434.8/78

- sign 0.000+/-0.000 χ^2/NDF: 5761279.1/39



Right In: 0.038+/-0.000 χ^2/NDF: 7078619233.3/15

Left Out: 0.012+/-0.000 χ^2/NDF:35888016977.0/22

Right Out: 0.020+/-0.000 χ^2/NDF: 42185025429.6/18

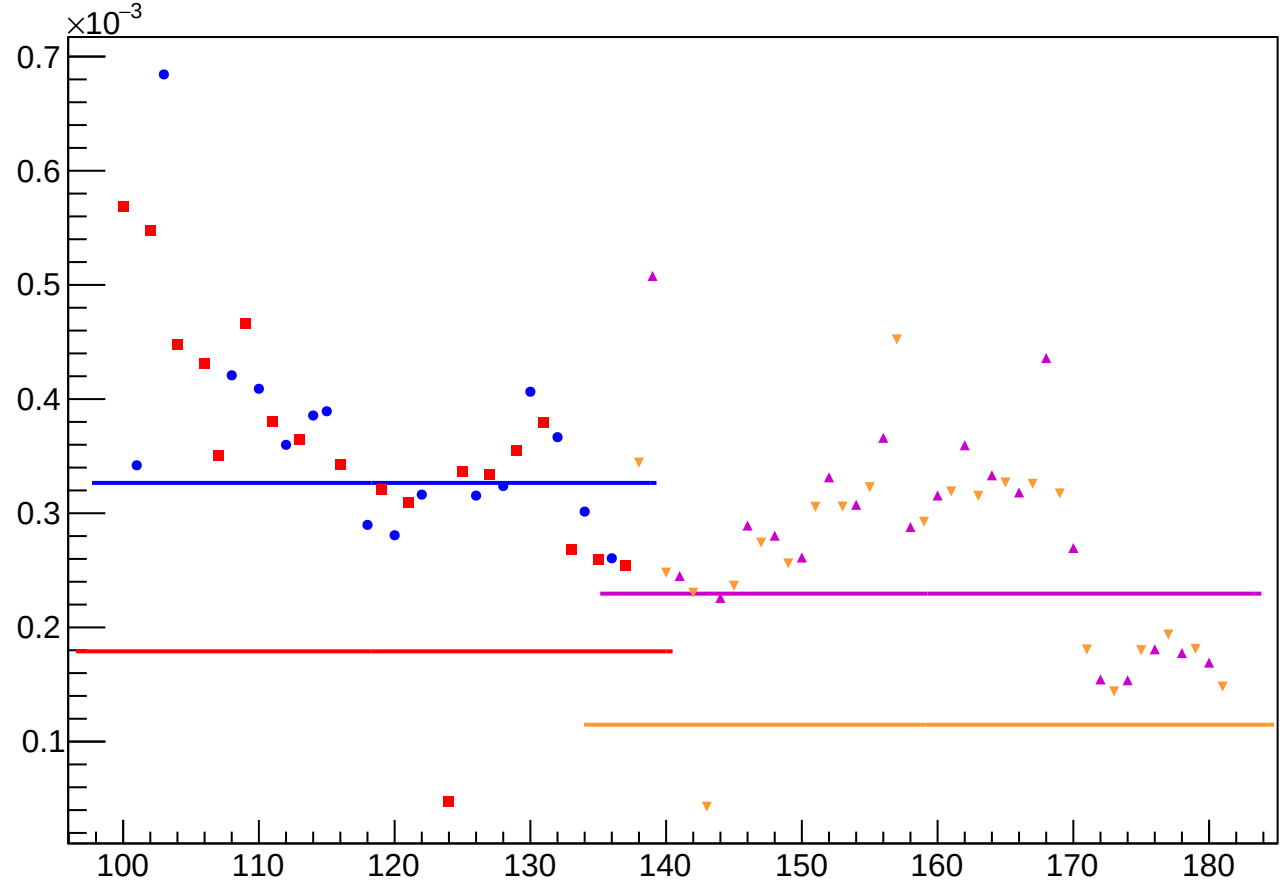
Left In: 0.021+/-0.000 χ^2/NDF:6021898668.7/20

+ sign 0.014+/-0.000 χ^2/NDF: 80154390153.1/38

All: 0.016+/-0.000 χ^2/NDF: 138350363370.2

- sign 0.020+/-0.000 χ^2/NDF: 48238960106.6/39

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:14126819.4/22

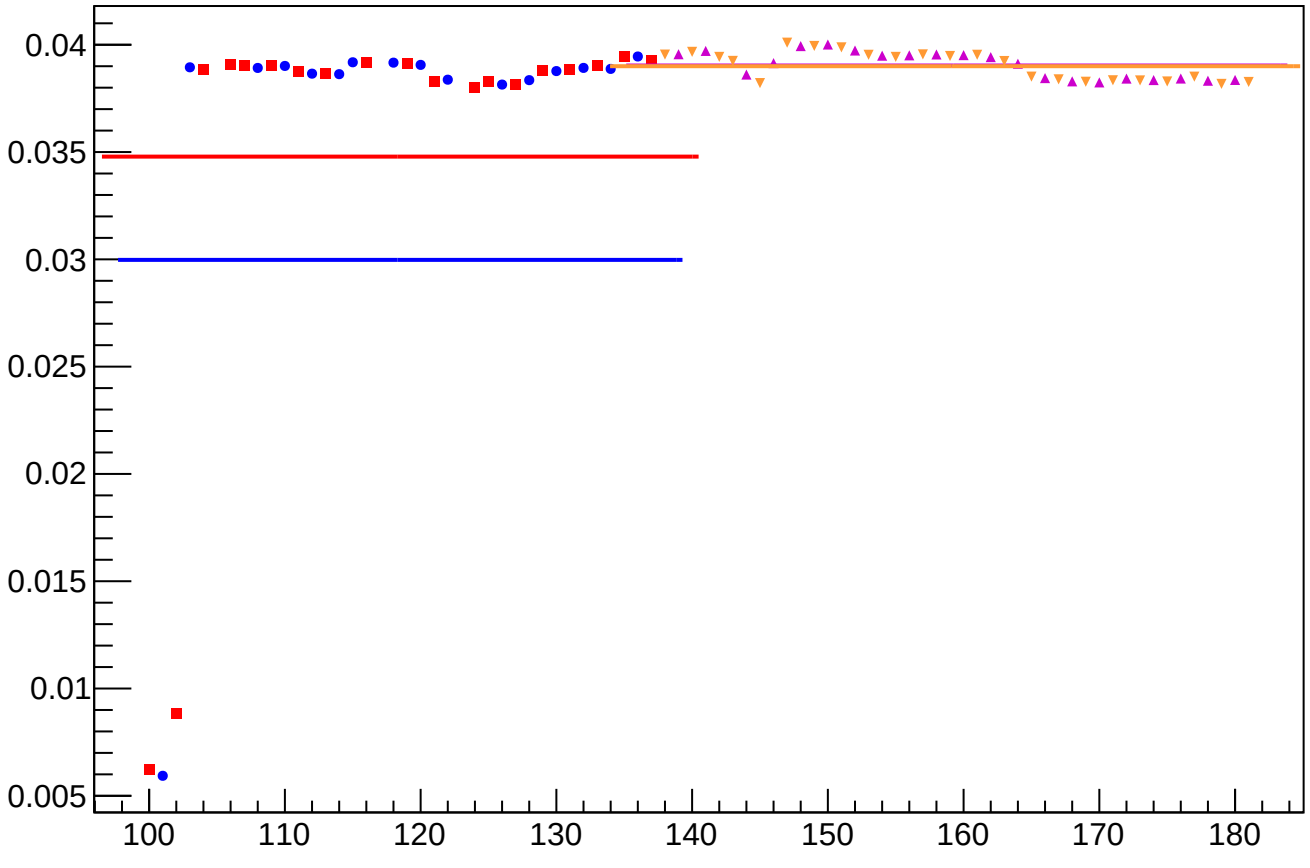
Right Out: 0.000+/-0.000 χ^2/NDF: 5660786.3/18

Left In: 0.000+/-0.000 χ^2/NDF:3220205.2/20

+ sign 0.000+/-0.000 χ^2/NDF: 19619473.8/38

All: 0.000+/-0.000 χ^2/NDF: 32529793.5/78

- sign 0.000+/-0.000 χ^2/NDF: 9309849.0/39



Right In: 0.030+/-0.000 χ^2/NDF: 108275706275.7/15

Left Out: 0.039+/-0.000 χ^2/NDF:464903211.6/22

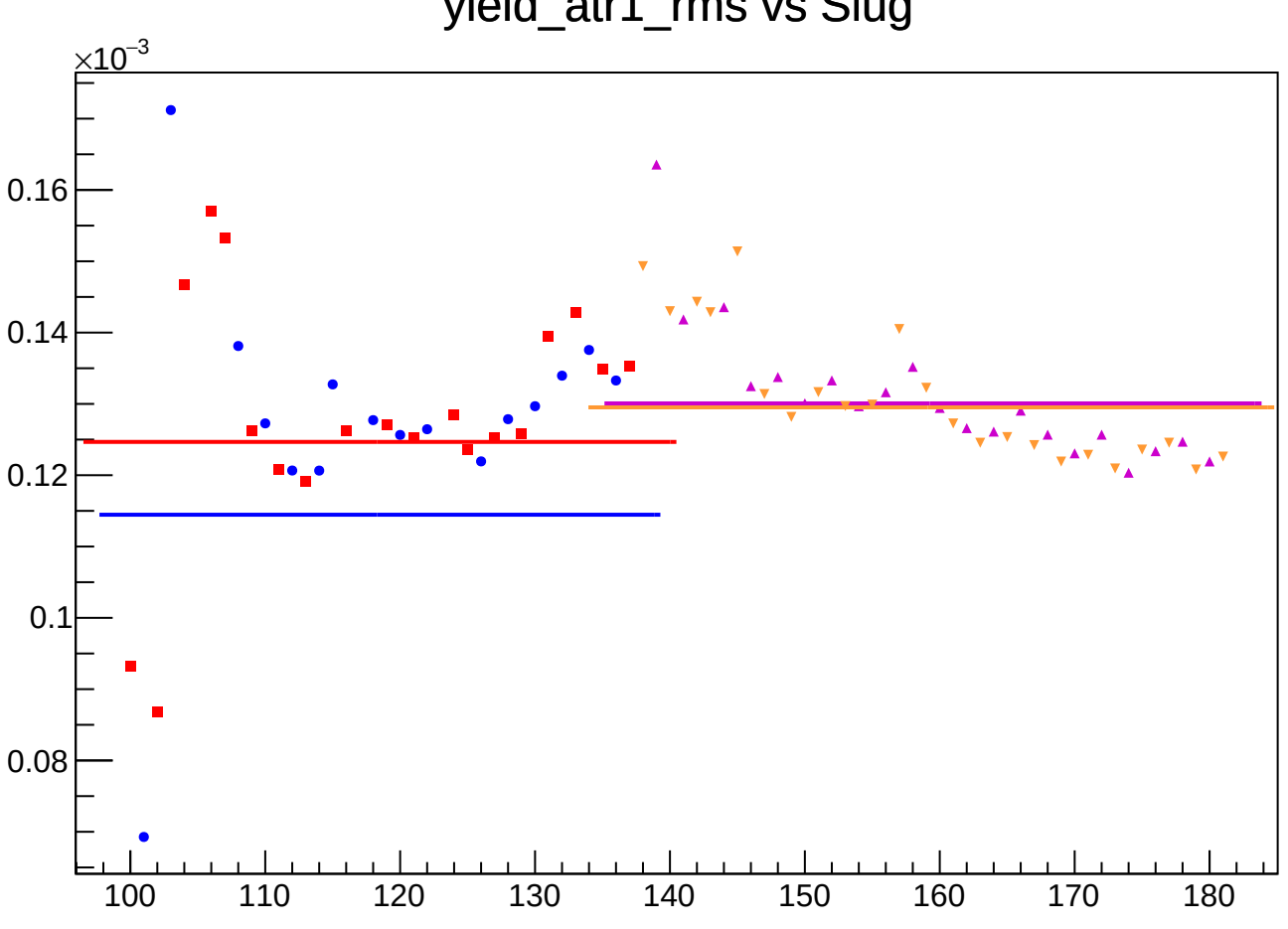
Right Out: 0.035+/-0.000 χ^2/NDF: 47263545471.6/18

Left In: 0.039+/-0.000 χ^2/NDF:386973160.4/20

+ sign 0.036+/-0.000 χ^2/NDF: 136713869466.8/38

All: 0.037+/-0.000 χ^2/NDF: 191918338467.5

- sign 0.038+/-0.000 χ^2/NDF: 53200467375.3/39



Right In: 0.000+/-0.000 χ^2/NDF: 853142.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:152659.7/22

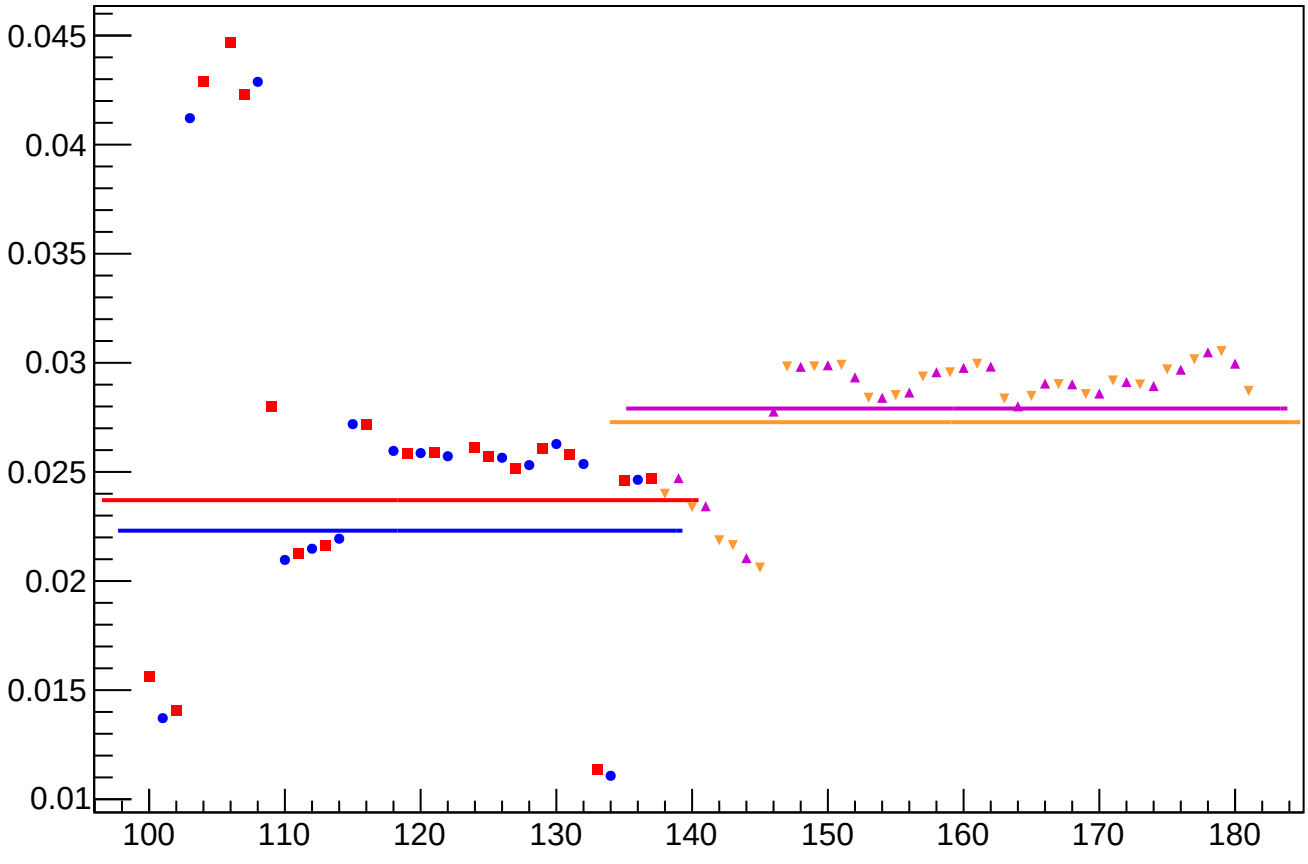
Right Out: 0.000+/-0.000 χ^2/NDF: 260393.6/18

Left In: 0.000+/-0.000 χ^2/NDF:138957.0/20

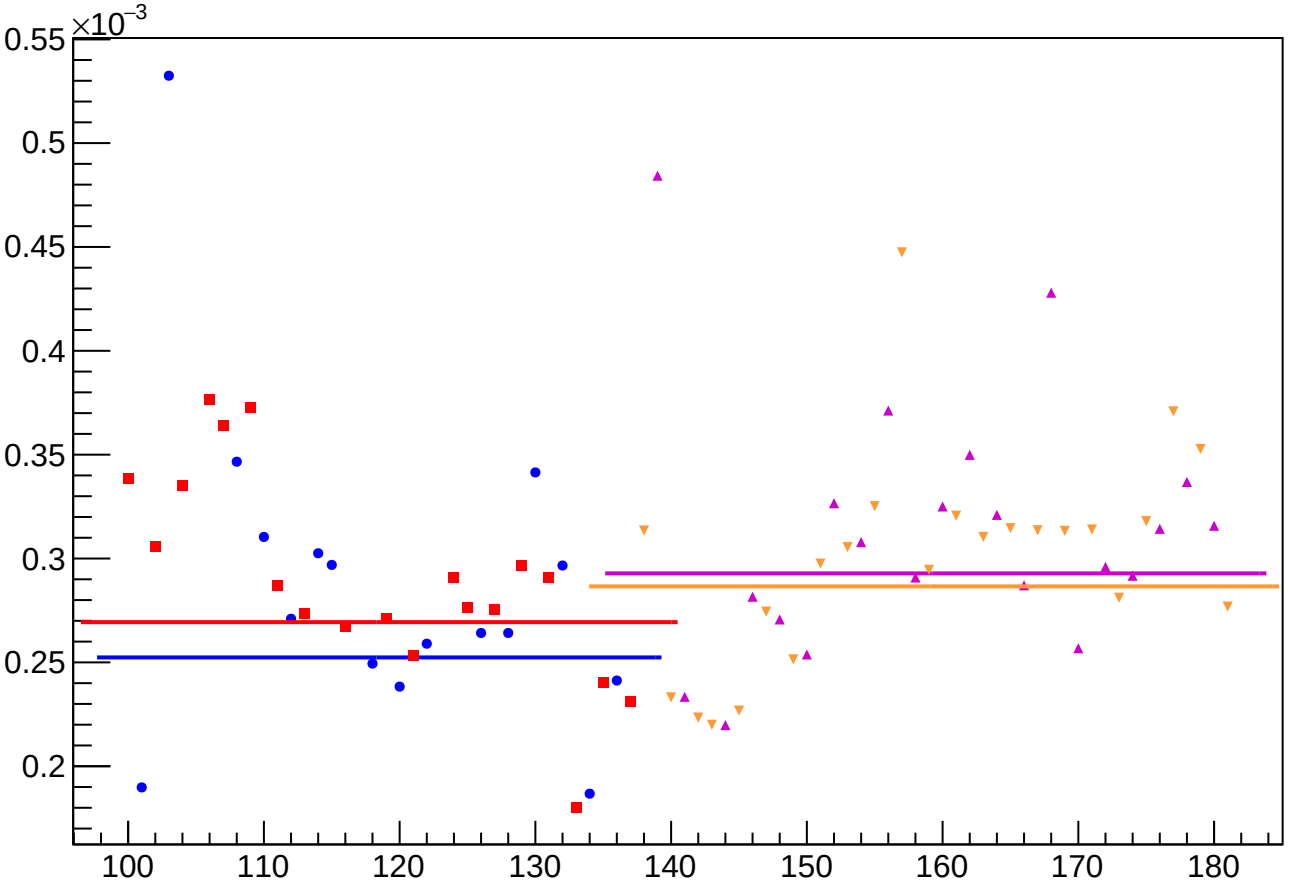
+ sign 0.000+/-0.000 χ^2/NDF: 1161518.5/38

All: 0.000+/-0.000 χ^2/NDF: 1599944.4/78

- sign 0.000+/-0.000 χ^2/NDF: 417314.8/39


yield_atr2_mean vs Slug
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
100
110
120
130
140
150
160
170
180
Right In: 0.022+/-0.000 χ²/NDF: 5012486114.6/15
Left Out: 0.027+/-0.000 χ²/NDF:2172922626.2/22
Right Out: 0.024+/-0.000 χ²/NDF: 5581865088.7/18
Left In: 0.028+/-0.000 χ²/NDF:1445841728.2/20
+ sign 0.026+/-0.000 χ²/NDF: 8804494107.3/38
All: 0.026+/-0.000 χ²/NDF: 16996478322.6/7
- sign 0.027+/-0.000 χ²/NDF: 8080250565.8/39

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:814425.7/22

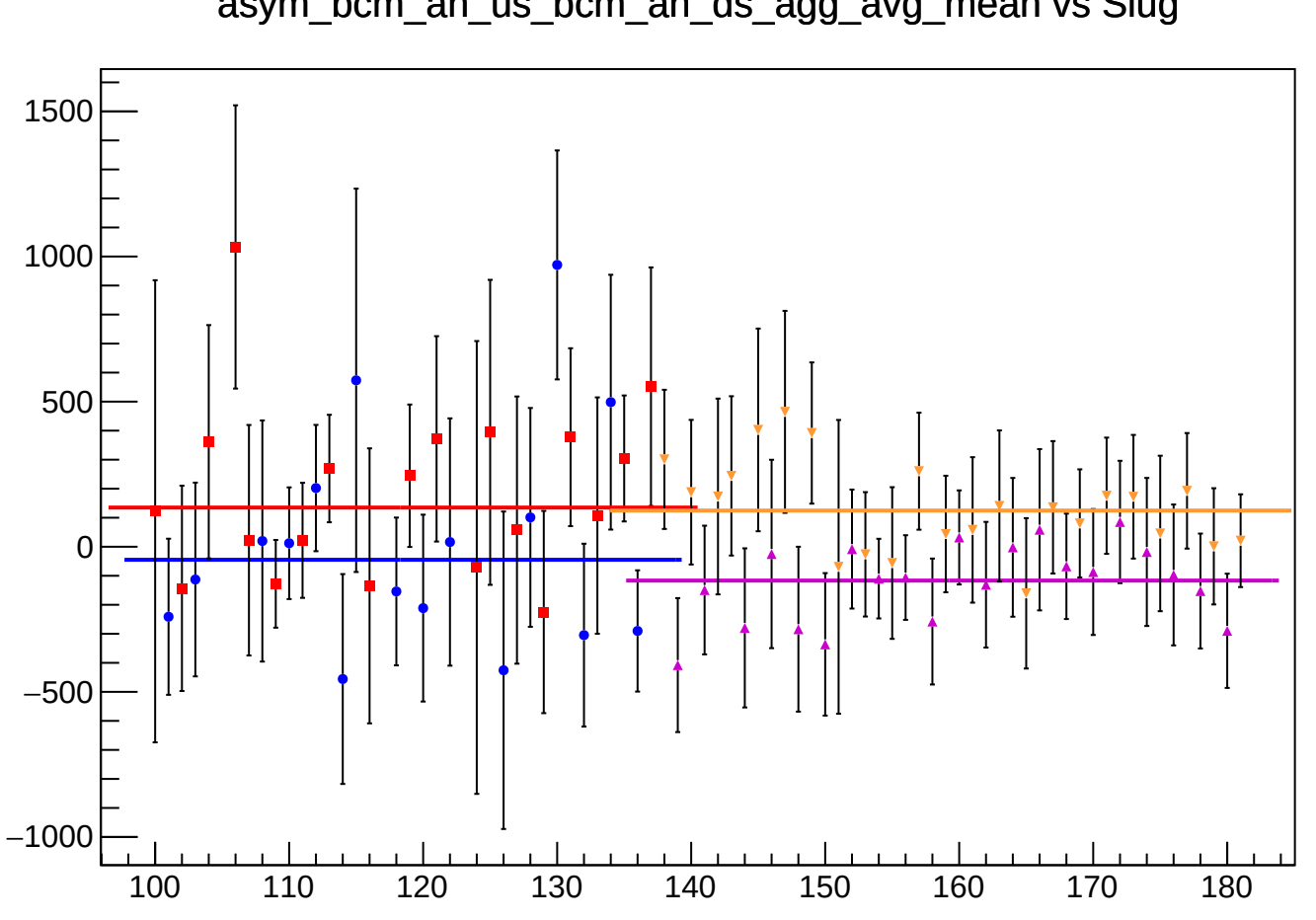
Right Out: 0.000+/-0.000 χ^2/NDF: 446359.4/18

Left In: 0.000+/-0.000 χ^2/NDF:967880.9/20

+ sign 0.000+/-0.000 χ^2/NDF: 1675434.0/38

All: 0.000+/-0.000 χ^2/NDF: 3182984.6/78

- sign 0.000+/-0.000 χ^2/NDF: 1480040.1/39



Right In: -44.917+/-76.198 χ^2/NDF: 15.5/15

Left Out: 124.678+/-48.651 χ^2/NDF:7.8/22

Right Out: 134.996+/-68.062 χ^2/NDF: 12.9/18

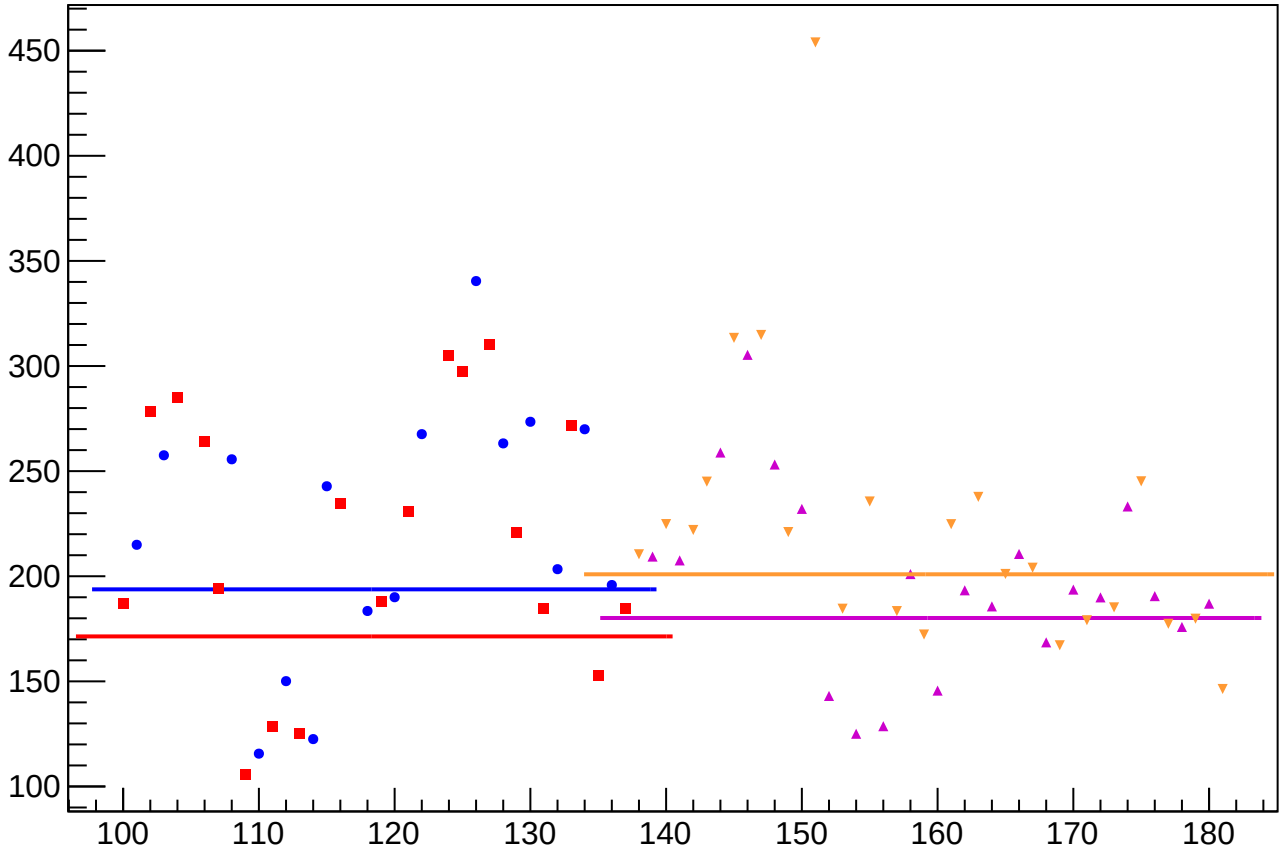
Left In: -116.522+/-45.467 χ^2/NDF:7.4/20

+ sign 75.563+/-41.006 χ^2/NDF: 26.8/38

All: 13.686+/-27.796 χ^2/NDF: 60.7/78

- sign -38.915+/-37.807 χ^2/NDF: 29.7/39

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: 200.929+/-0.034 χ^2/NDF:1615143.5/22

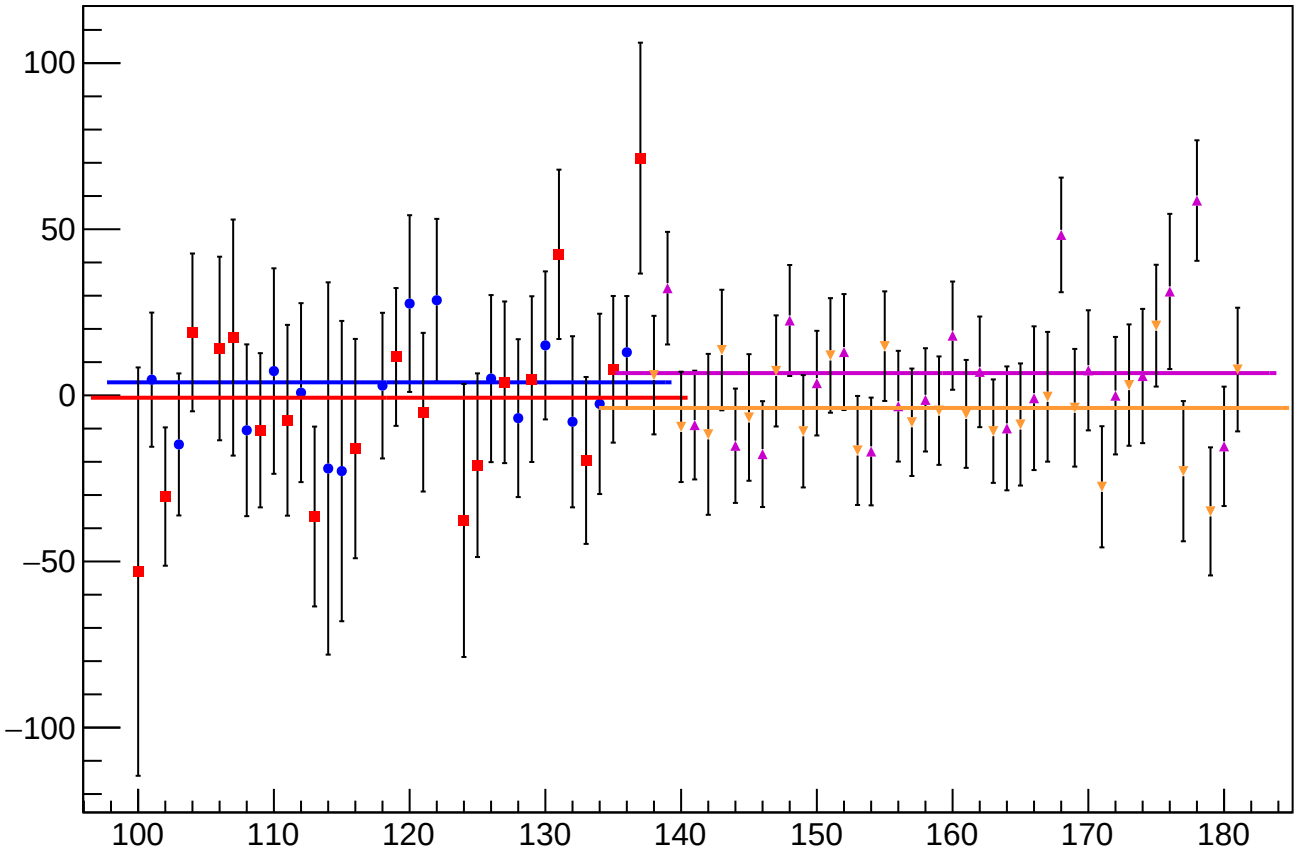
Right Out: 171.382+/-0.048 χ^2/NDF: 1658079.5/18

Left In: 180.140+/-0.032 χ^2/NDF:1638846.4/20

+ sign 198.855+/-0.029 χ^2/NDF: 2675789.5/38

All: 187.279+/-0.020 χ^2/NDF: 6290528.0/78

- sign 177.438+/-0.027 χ^2/NDF: 3319825.8/39



Right In: 3.923+/-6.172 χ^2/NDF: 4.5/15

Left Out: -3.786+/-3.697 χ^2/NDF:12.7/22

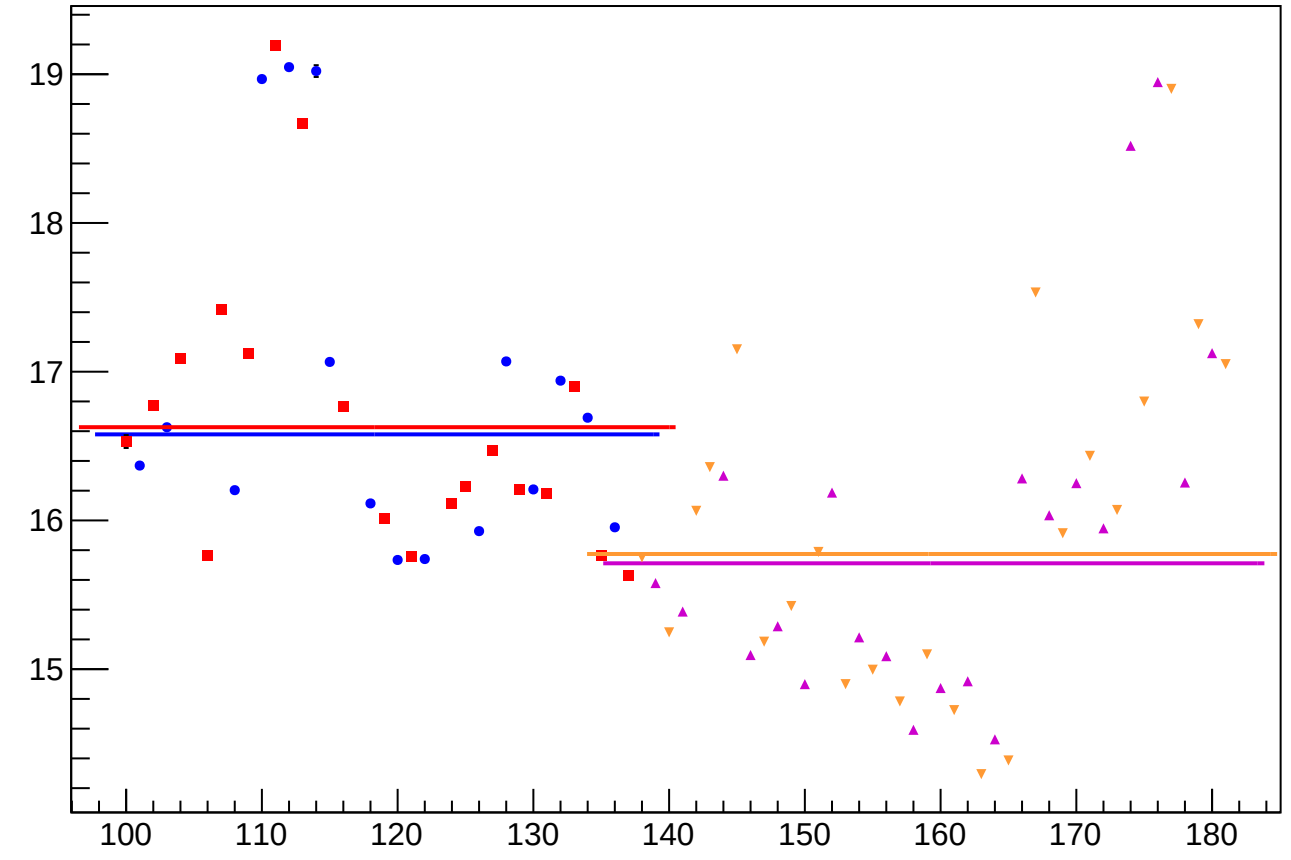
Right Out: -0.714+/-6.077 χ^2/NDF: 15.9/18

Left In: 6.702+/-3.796 χ^2/NDF:29.1/20

\+ sign -1.750+/-3.172 χ^2/NDF: 18.3/38

All: 1.387+/-2.259 χ^2/NDF: 66.4/78

\- sign 4.621+/-3.219 χ^2/NDF: 46.1/39



Right In: 16.579+/-0.004 χ^2/NDF: 44575.6/15

Left Out: 15.774+/-0.003 χ^2/NDF:168982.7/22

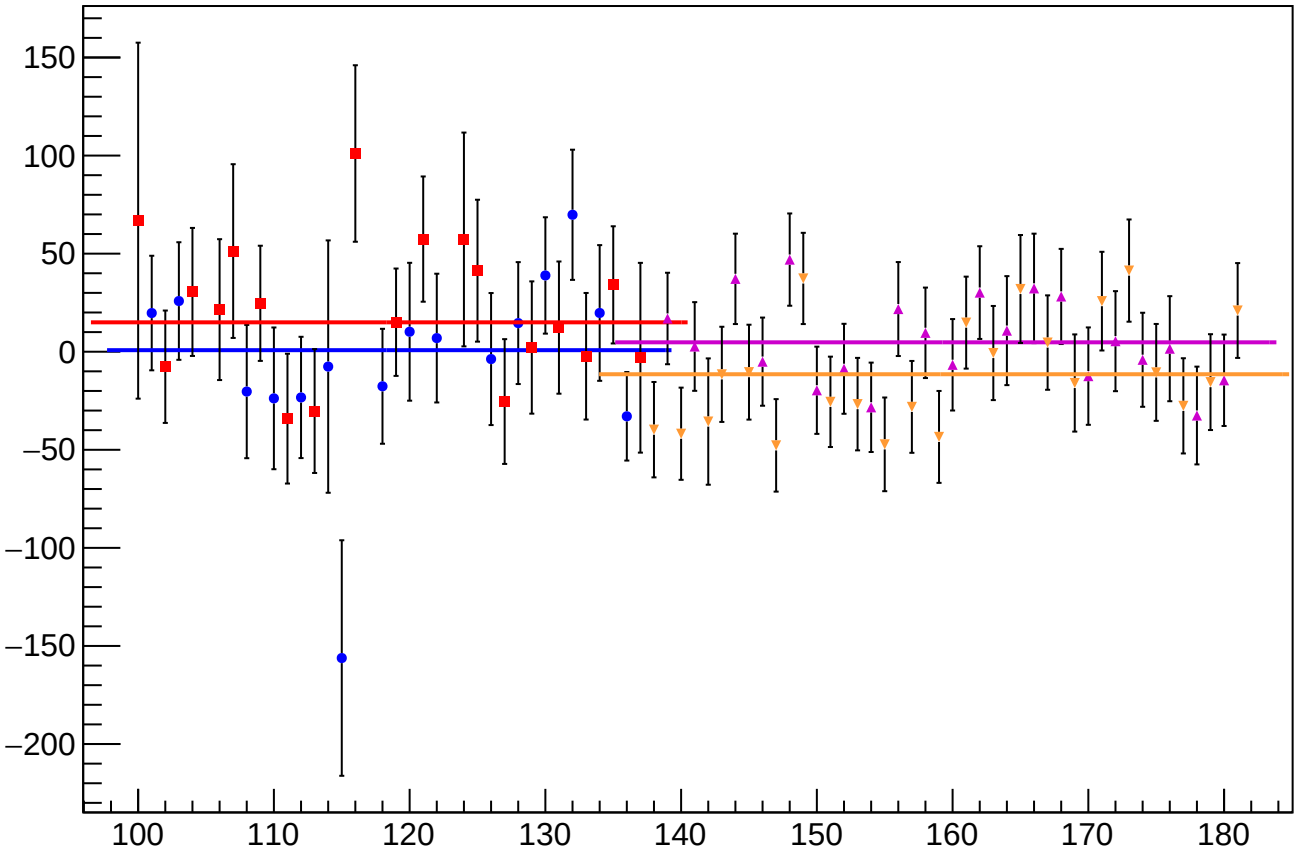
Right Out: 16.627+/-0.004 χ^2/NDF: 43461.8/18

Left In: 15.712+/-0.003 χ^2/NDF:142651.9/20

\+ sign 15.987+/-0.002 χ^2/NDF: 238554.3/38

All: 15.978+/-0.002 χ^2/NDF: 457329.7/78

\- sign 15.969+/-0.002 χ^2/NDF: 218743.2/39



Right In: 0.790+/-8.125 χ^2/NDF: 18.7/15

Left Out: -11.478+/-5.089 χ^2/NDF:28.8/22

Right Out: 14.981+/-7.953 χ^2/NDF: 15.4/18

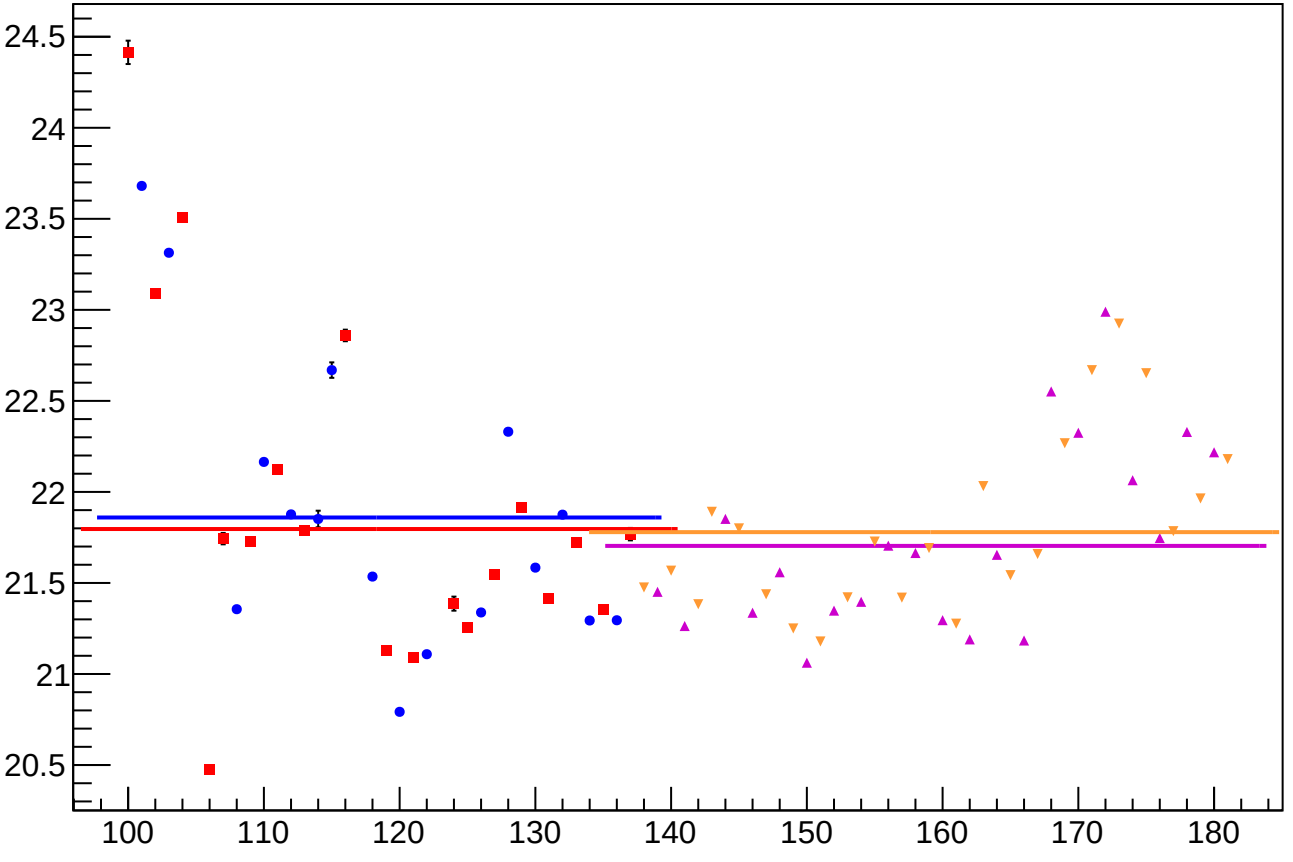
Left In: 4.791+/-5.227 χ^2/NDF:16.8/20

\+ sign -8.021+/-4.313 χ^2/NDF: 49.1/38

All: -0.180+/-3.069 χ^2/NDF: 89.1/78

\- sign 7.865+/-4.368 χ^2/NDF: 33.3/39

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: 21.779+/-0.004 χ^2/NDF:16247.5/22

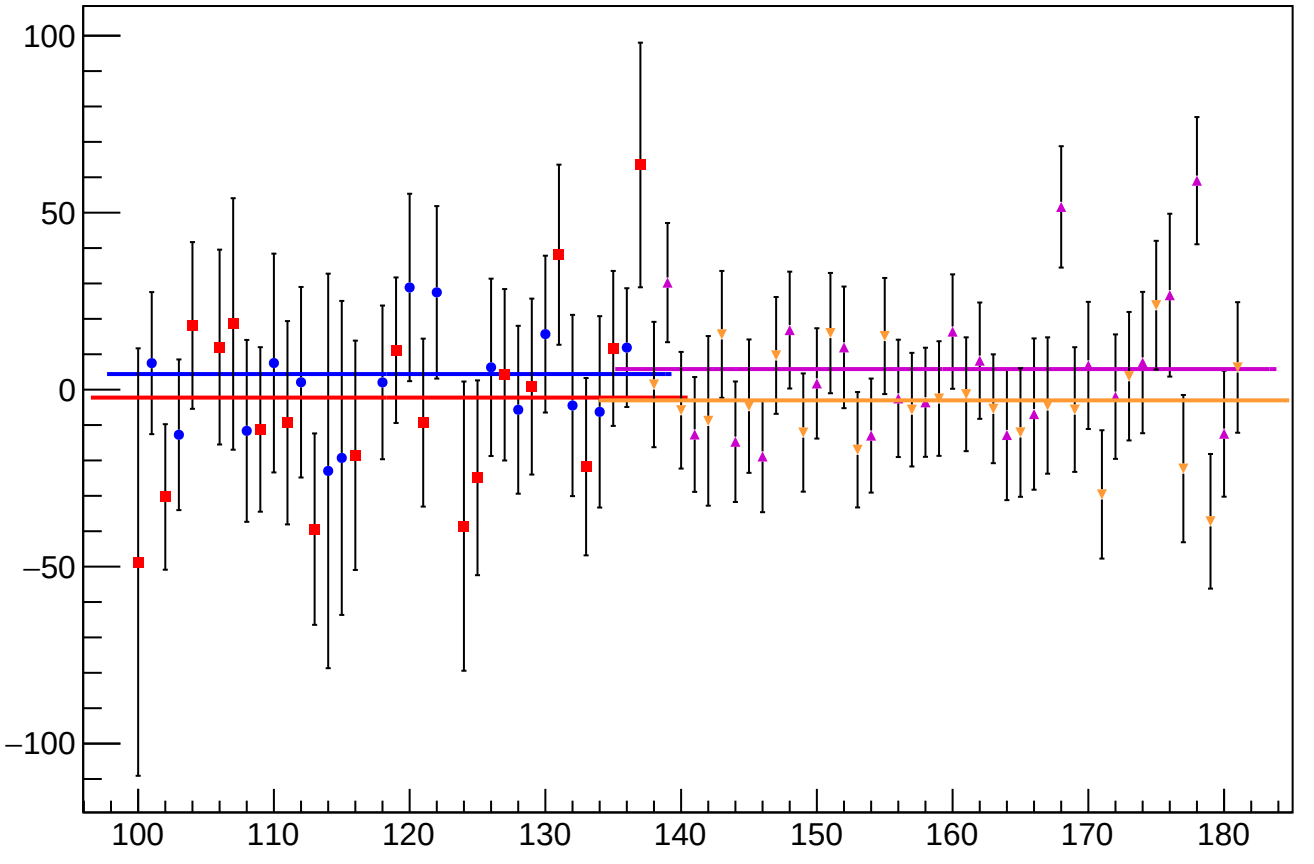
Right Out: 21.796+/-0.006 χ^2/NDF: 18861.3/18

Left In: 21.704+/-0.004 χ^2/NDF:17934.7/20

\+ sign 21.802+/-0.003 χ^2/NDF: 35856.4/38

All: 21.767+/-0.002 χ^2/NDF: 73104.1/78

\- sign 21.732+/-0.003 χ^2/NDF: 36985.6/39



Right In: 4.404+/-6.137 χ^2/NDF: 4.3/15

Left Out: -3.021+/-3.662 χ^2/NDF:14.5/22

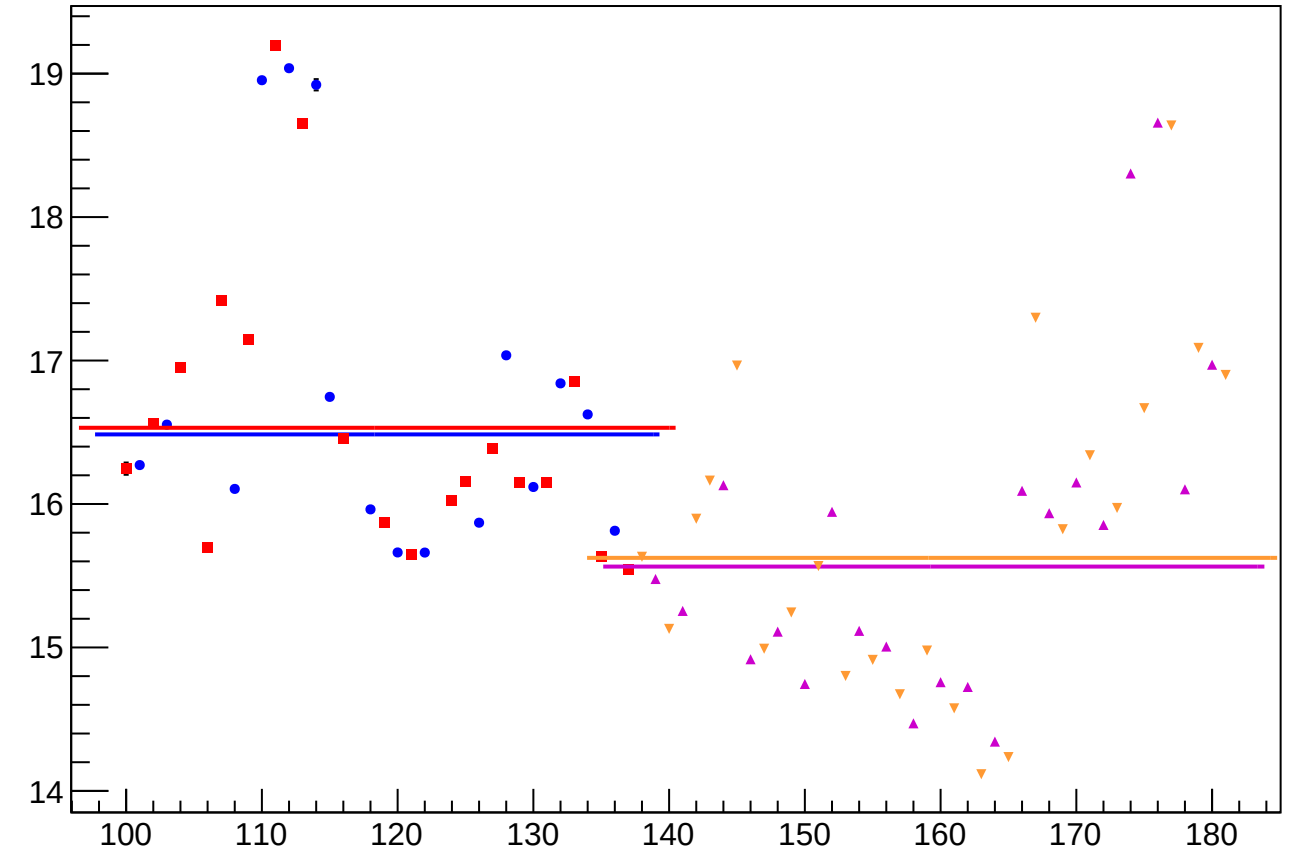
Right Out: -2.244+/-6.042 χ^2/NDF: 15.4/18

Left In: 5.813+/-3.760 χ^2/NDF:29.8/20

+ sign -1.072+/-3.144 χ^2/NDF: 19.9/38

All: 1.211+/-2.240 χ^2/NDF: 67.4/78

- sign 3.564+/-3.192 χ^2/NDF: 46.4/39



Right In: 16.485+/-0.004 χ^2/NDF: 47186.1/15

Left Out: 15.625+/-0.003 χ^2/NDF:165647.6/22

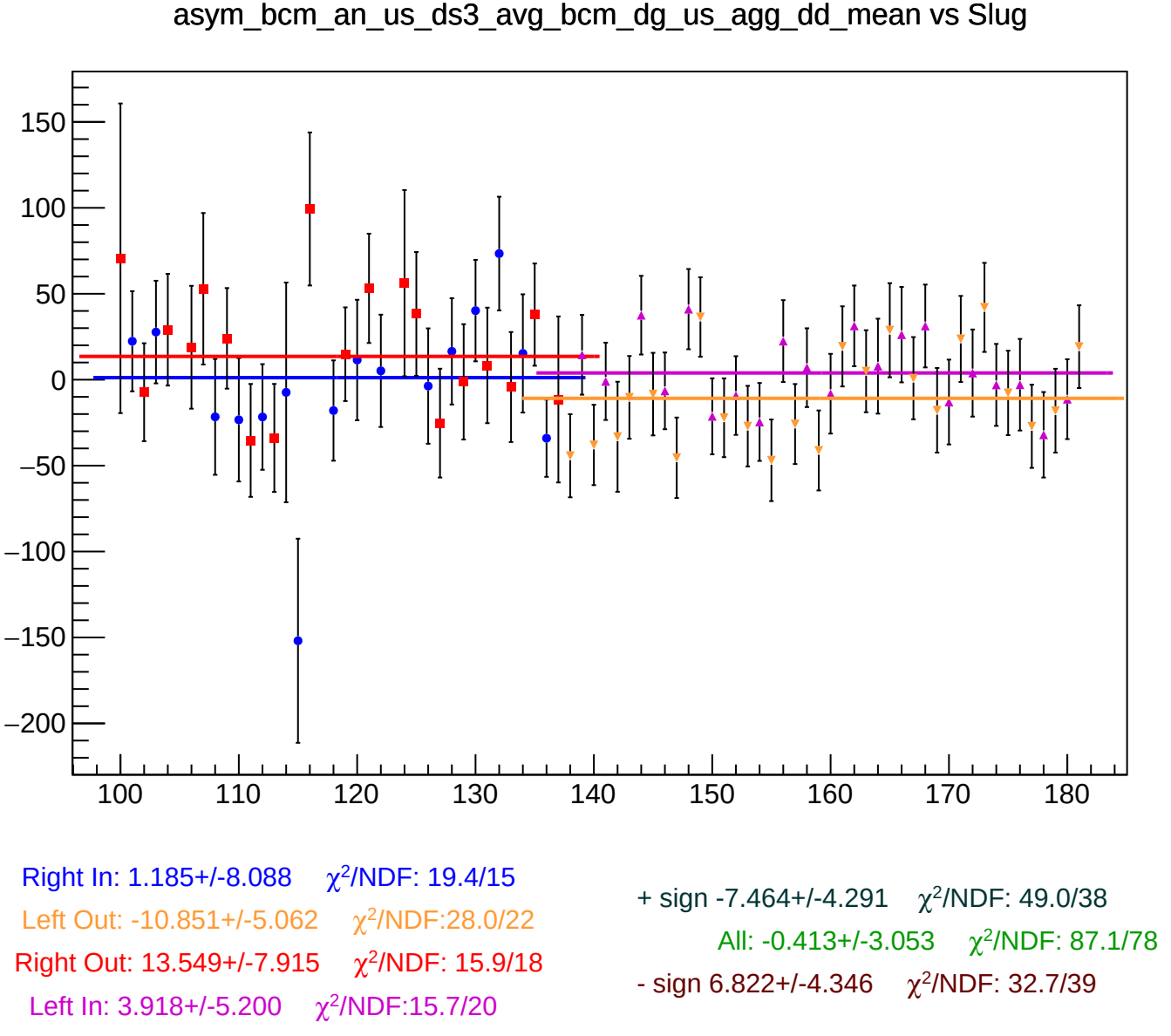
Right Out: 16.531+/-0.004 χ^2/NDF: 46474.0/18

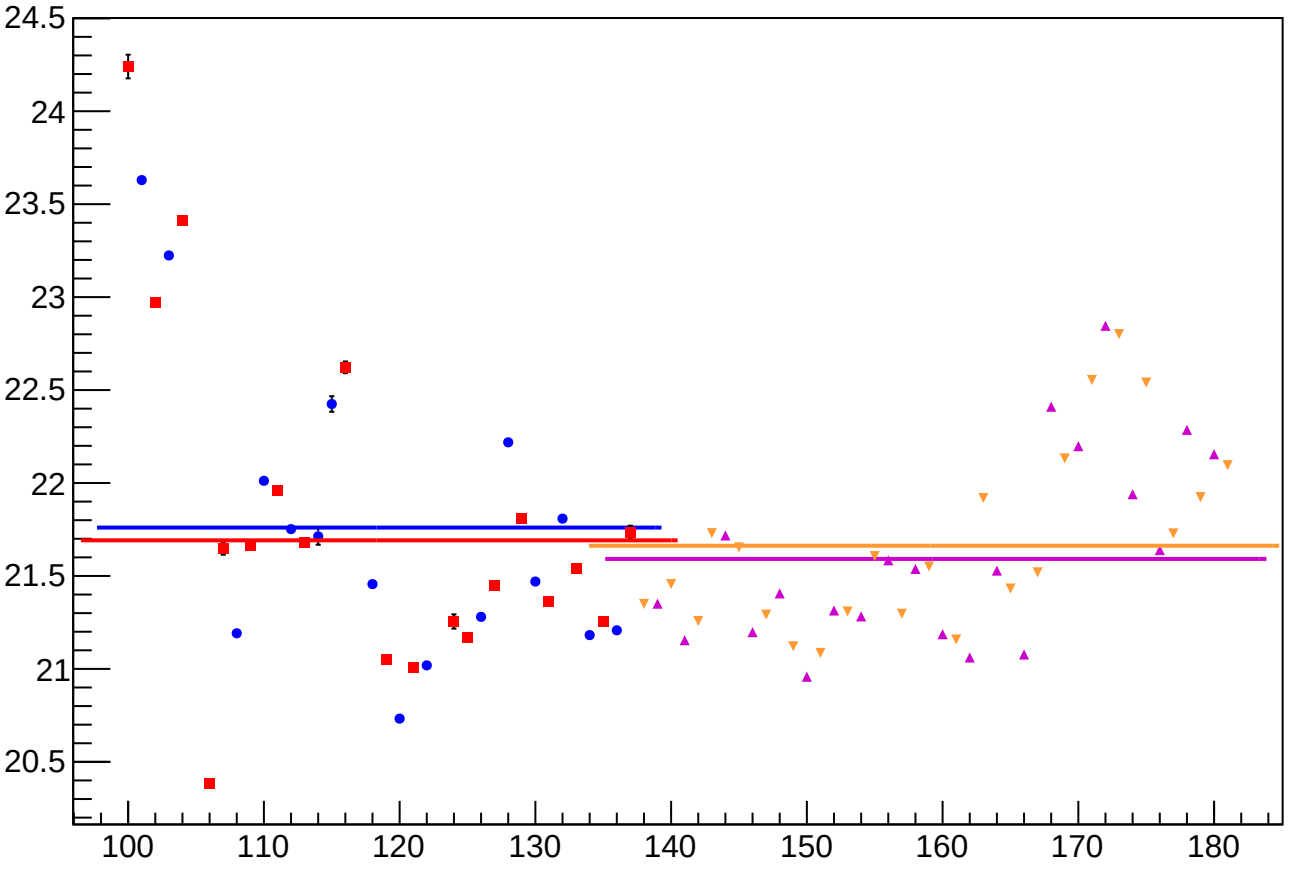
Left In: 15.564+/-0.003 χ^2/NDF:140193.8/20

\+ sign 15.850+/-0.002 χ^2/NDF: 241831.5/38

All: 15.842+/-0.002 χ^2/NDF: 465491.4/78

\- sign 15.834+/-0.002 χ^2/NDF: 223632.3/39


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: -10.851+/-5.062 χ²/NDF:28.0/22
Right Out: 13.549+/-7.915 χ²/NDF: 15.9/18
Left In: 3.918+/-5.200 χ²/NDF:15.7/20
+ sign -7.464+/-4.291 χ²/NDF: 49.0/38
All: -0.413+/-3.053 χ²/NDF: 87.1/78
- sign 6.822+/-4.346 χ²/NDF: 32.7/39



Right In: 21.760+/-0.006 χ^2/NDF: 19745.7/15

Left Out: 21.662+/-0.004 χ^2/NDF:16639.2/22

Right Out: 21.692+/-0.006 χ^2/NDF: 18330.7/18

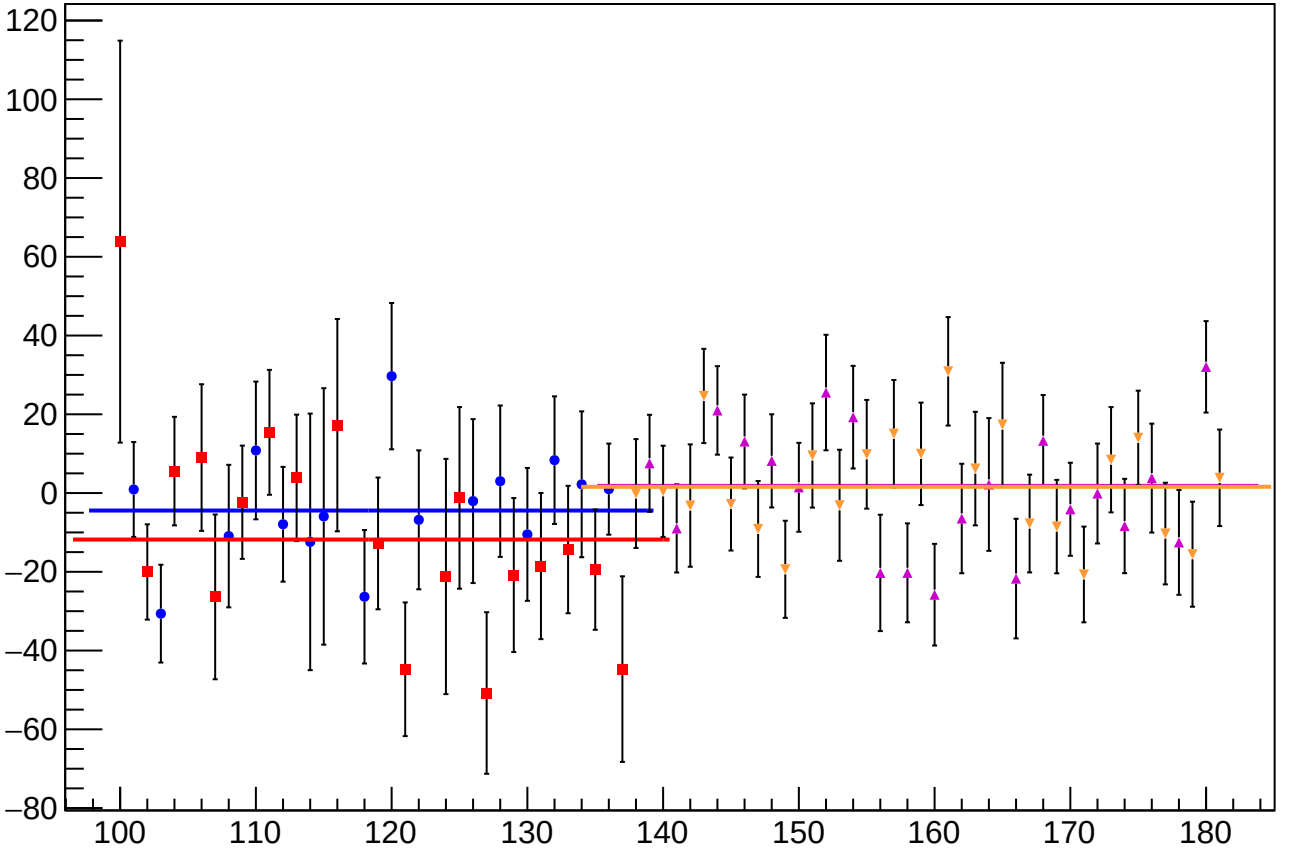
Left In: 21.592+/-0.004 χ^2/NDF:18003.3/20

+ sign 21.690+/-0.003 χ^2/NDF: 36595.1/38

All: 21.656+/-0.002 χ^2/NDF: 73402.0/78

- sign 21.622+/-0.003 χ^2/NDF: 36557.0/39

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -4.440+/-4.131 χ^2/NDF: 12.0/15

Left Out: 1.589+/-2.702 χ^2/NDF:24.0/22

Right Out: -11.807+/-4.097 χ^2/NDF: 21.7/18

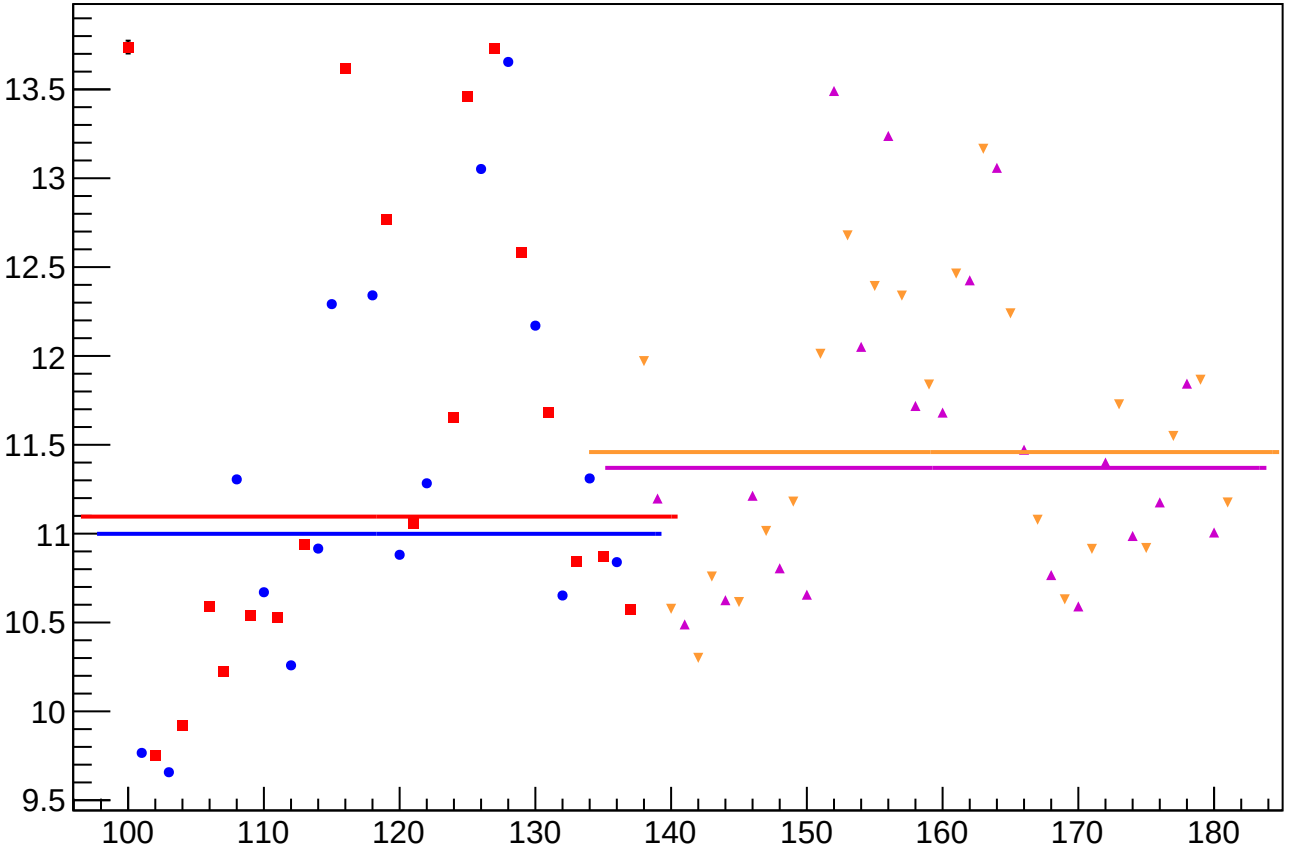
Left In: 1.822+/-2.762 χ^2/NDF:32.2/20

+ sign -0.218+/-2.261 χ^2/NDF: 37.5/38

All: -1.313+/-1.609 χ^2/NDF: 99.6/78

- sign -2.436+/-2.290 χ^2/NDF: 61.6/39

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: 11.459+/-0.002 χ^2/NDF:151011.9/22

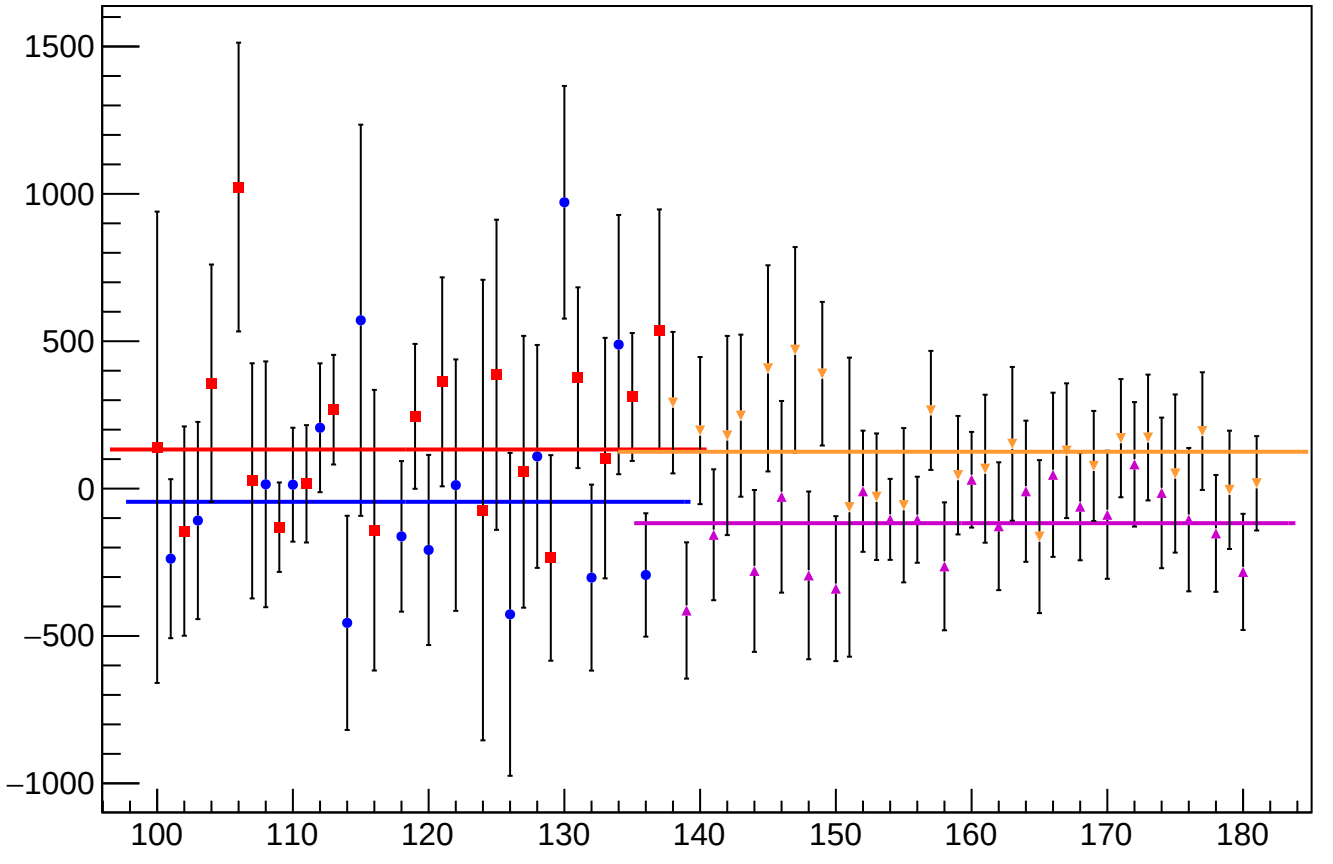
Right Out: 11.096+/-0.003 χ^2/NDF: 162908.7/18

Left In: 11.370+/-0.002 χ^2/NDF:169112.6/20

+ sign 11.321+/-0.002 χ^2/NDF: 304544.2/38

All: 11.303+/-0.001 χ^2/NDF: 642983.6/78

- sign 11.284+/-0.002 χ^2/NDF: 338178.6/39



Right In: -44.797+/-76.424 χ^2/NDF: 15.4/15

Left Out: 125.039+/-48.743 χ^2/NDF:7.9/22

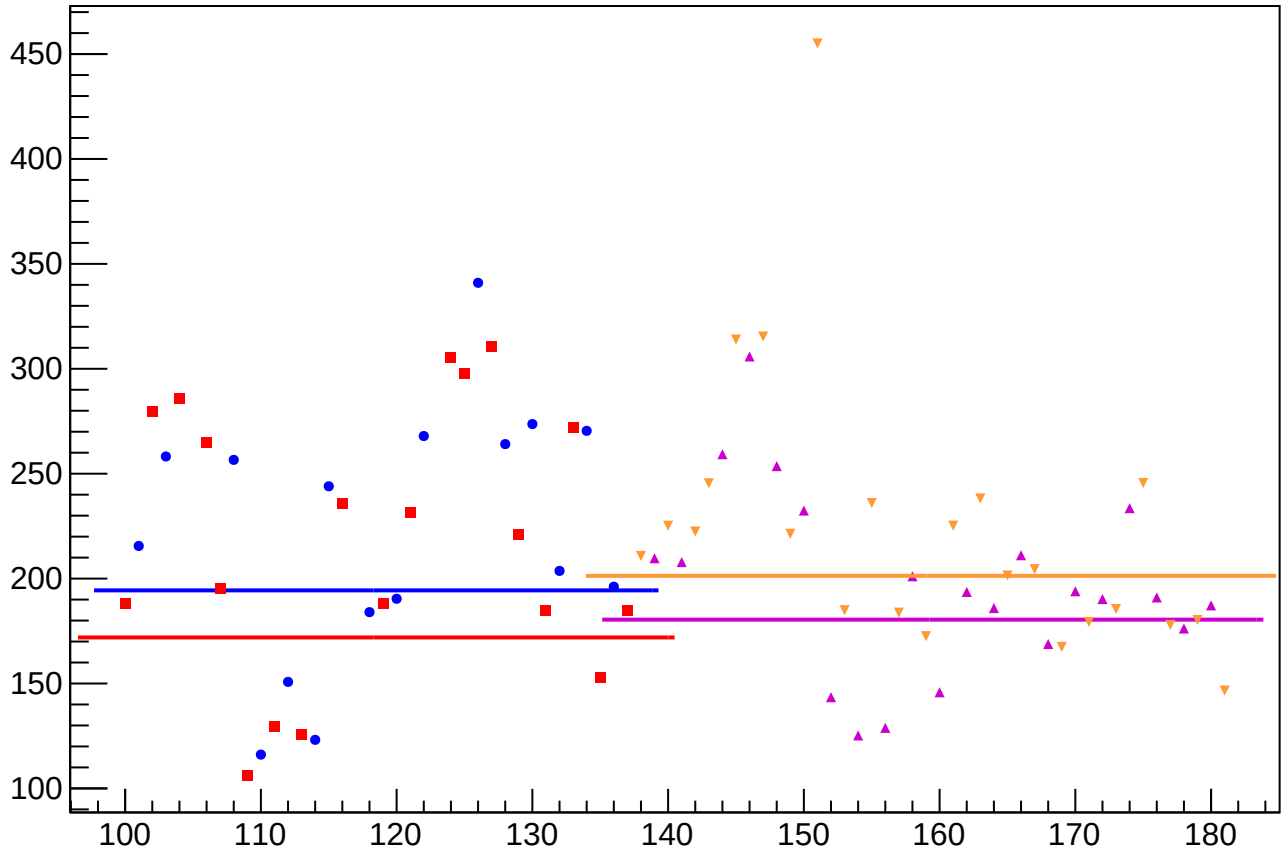
Right Out: 132.730+/-68.270 χ^2/NDF: 12.9/18

Left In: -117.331+/-45.543 χ^2/NDF:7.3/20

+ sign 75.929+/-41.096 χ^2/NDF: 26.8/38

All: 13.088+/-27.855 χ^2/NDF: 60.6/78

- sign -40.319+/-37.886 χ^2/NDF: 29.5/39



Right In: 194.385+/-0.054 χ^2/NDF: 1042024.1/15

Left Out: 201.308+/-0.034 χ^2/NDF:1615284.1/22

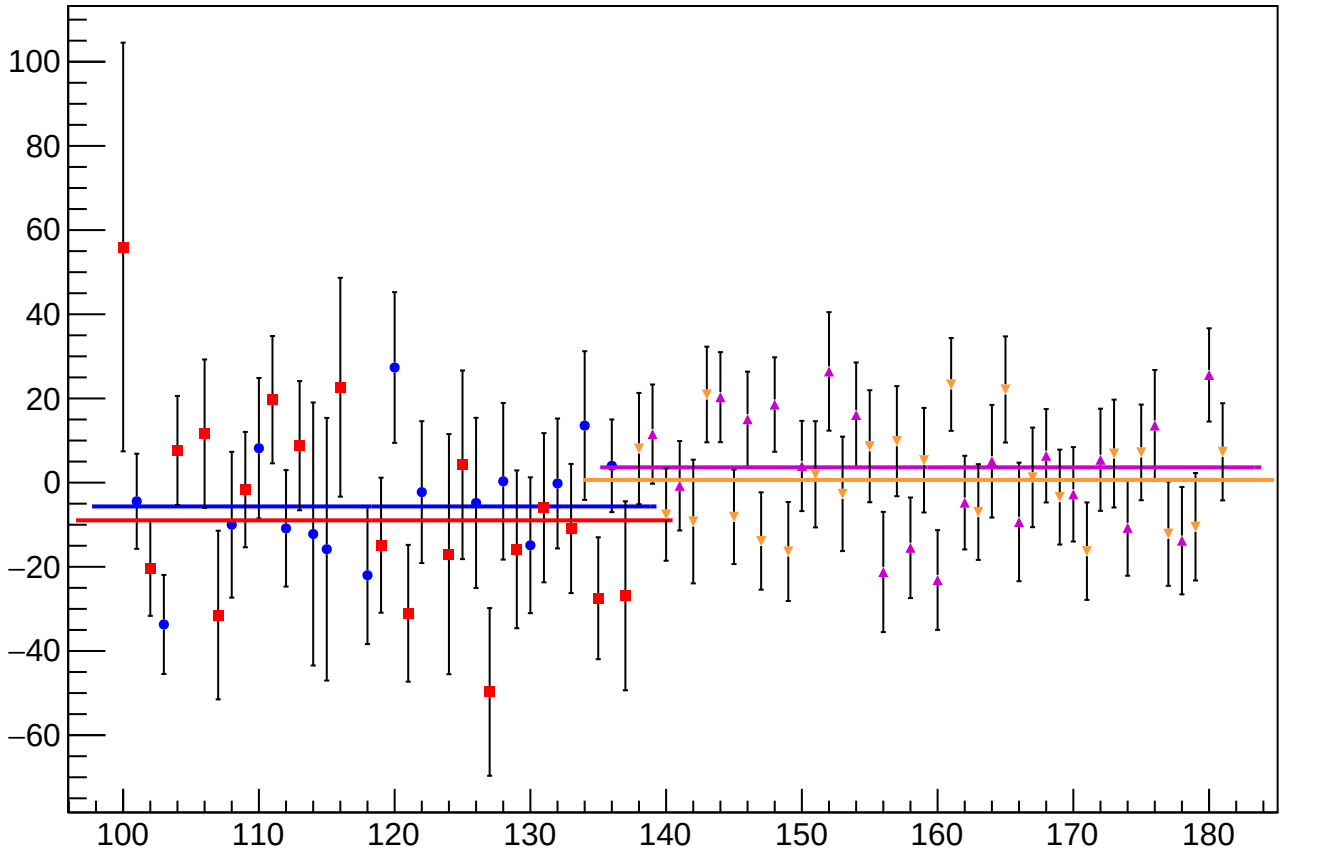
Right Out: 171.949+/-0.048 χ^2/NDF: 1651343.7/18

Left In: 180.440+/-0.032 χ^2/NDF:1639362.3/20

\+ sign 199.306+/-0.029 χ^2/NDF: 2668973.9/38

All: 187.694+/-0.020 χ^2/NDF: 6276487.5/78

\- sign 177.825+/-0.027 χ^2/NDF: 3312114.9/39



Right In: -5.657+/-3.939 χ^2/NDF: 13.7/15

Left Out: 0.645+/-2.520 χ^2/NDF:22.5/22

Right Out: -8.960+/-3.901 χ^2/NDF: 22.8/18

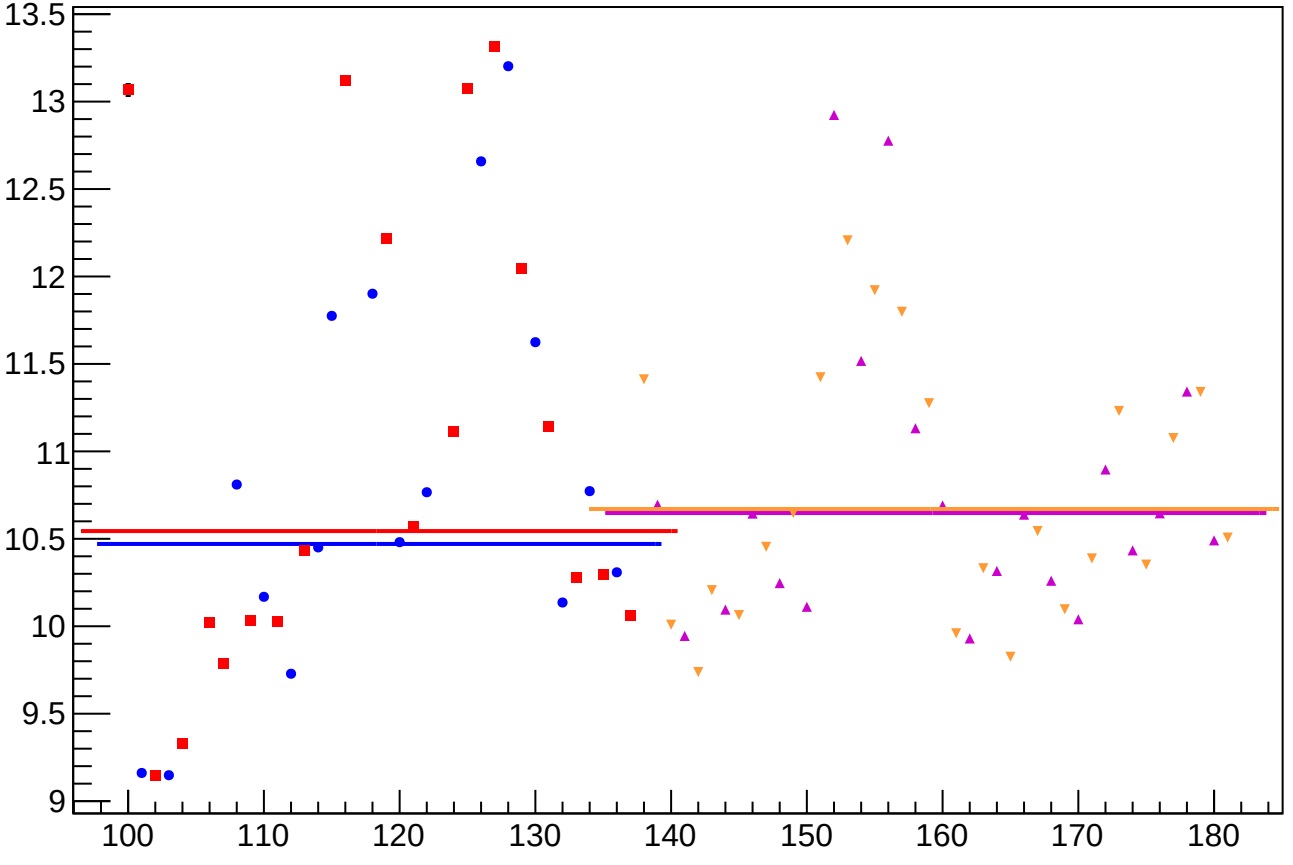
Left In: 3.632+/-2.590 χ^2/NDF:29.9/20

+ sign -1.185+/-2.123 χ^2/NDF: 38.0/38

All: -0.711+/-1.513 χ^2/NDF: 98.0/78

- sign -0.221+/-2.158 χ^2/NDF: 60.0/39

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug



Right In: 10.471+/-0.003 χ^2/NDF: 157365.8/15

Left Out: 10.671+/-0.002 χ^2/NDF:140550.1/22

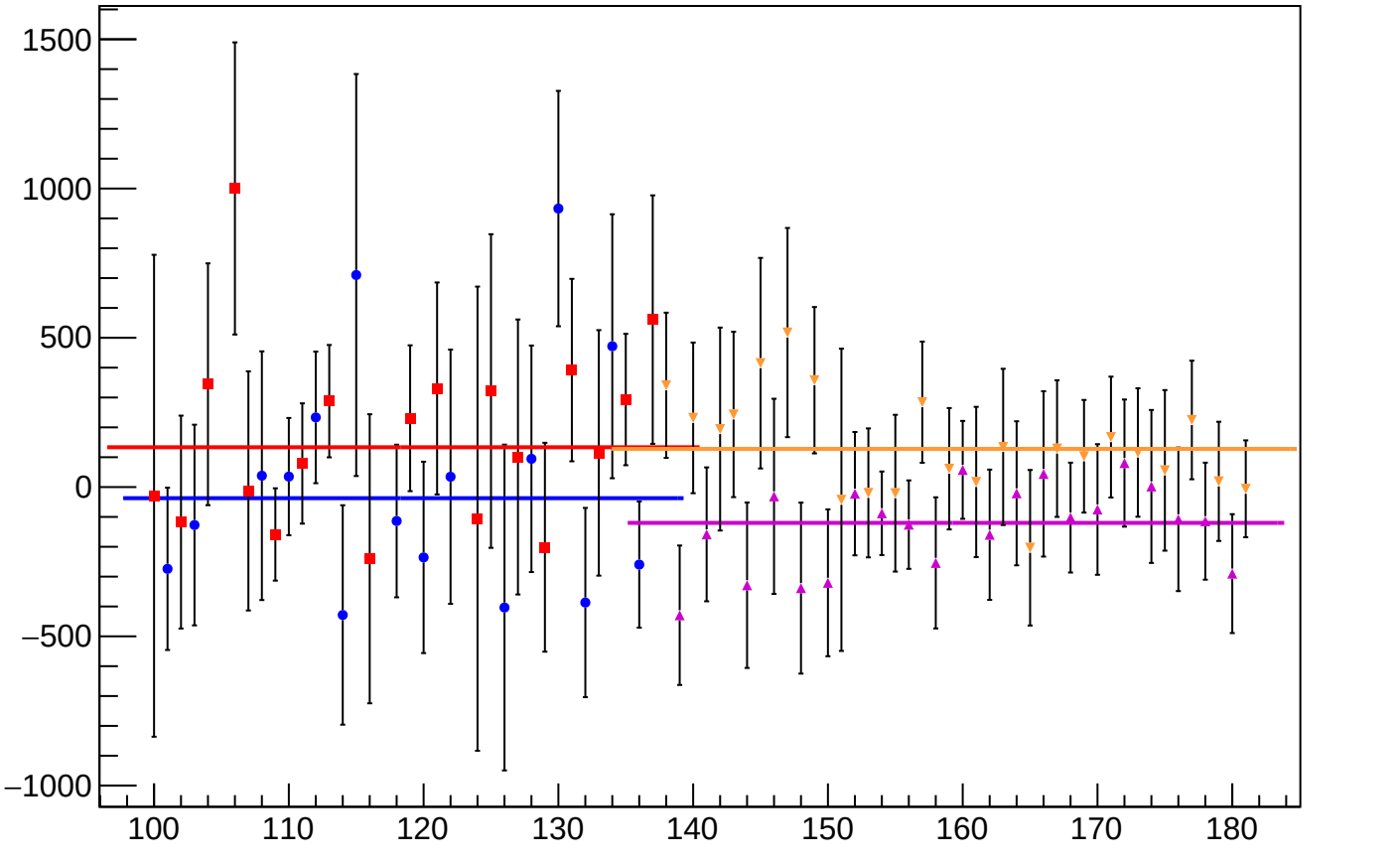
Right Out: 10.544+/-0.003 χ^2/NDF: 186780.3/18

Left In: 10.647+/-0.002 χ^2/NDF:157126.8/20

+ sign 10.613+/-0.002 χ^2/NDF: 301575.1/38

All: 10.614+/-0.001 χ^2/NDF: 646453.3/78

- sign 10.616+/-0.002 χ^2/NDF: 344875.7/39



Right In: -37.241+/-76.915 χ^2/NDF: 15.6/15

Left Out: 127.851+/-49.031 χ^2/NDF:8.7/22

Right Out: 133.386+/-68.885 χ^2/NDF: 12.9/18

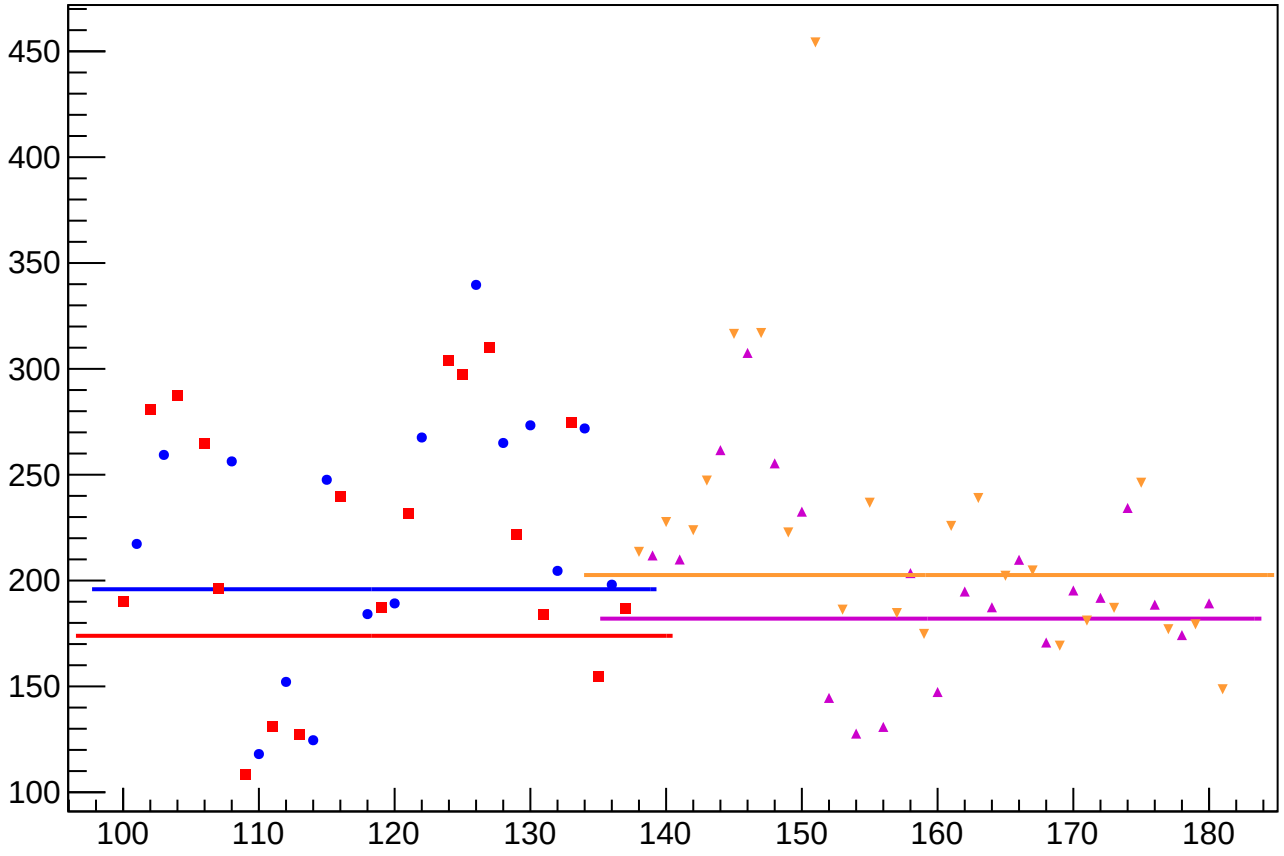
Left In: -119.965+/-45.891 χ^2/NDF:7.9/20

+ sign 80.149+/-41.345 χ^2/NDF: 27.6/38

All: 14.193+/-28.054 χ^2/NDF: 62.5/78

- sign -42.087+/-38.192 χ^2/NDF: 30.2/39

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 195.900+/-0.054 χ^2/NDF: 1011012.3/15

Left Out: 202.608+/-0.035 χ^2/NDF:1596286.9/22

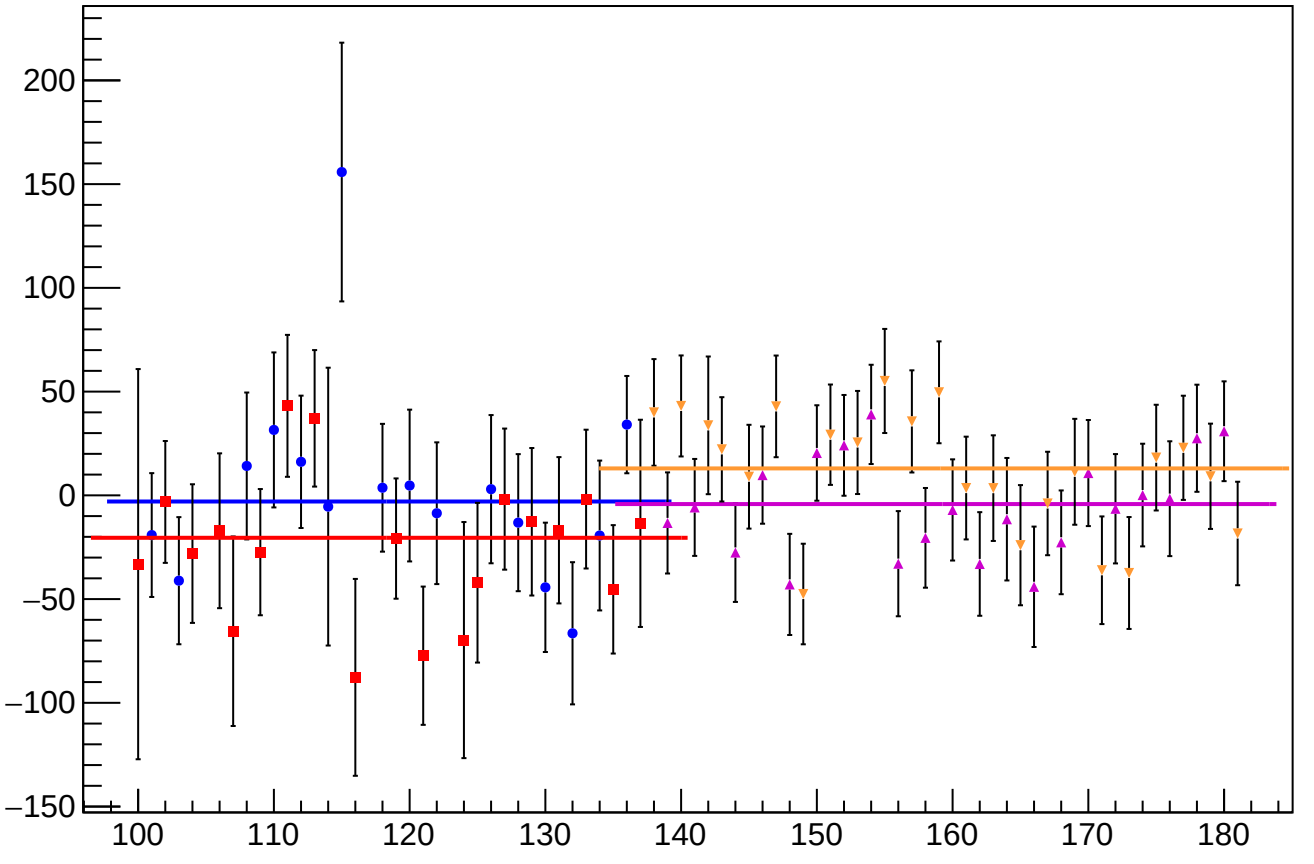
Right Out: 173.901+/-0.049 χ^2/NDF: 1599608.1/18

Left In: 182.012+/-0.032 χ^2/NDF:1591040.5/20

+ sign 200.670+/-0.029 χ^2/NDF: 2618116.9/38

All: 189.257+/-0.020 χ^2/NDF: 6110382.1/78

- sign 179.519+/-0.027 χ^2/NDF: 3209852.7/39



Right In: -2.967+/-8.454 χ^2/NDF: 17.9/15

Left Out: 12.980+/-5.304 χ^2/NDF:28.8/22

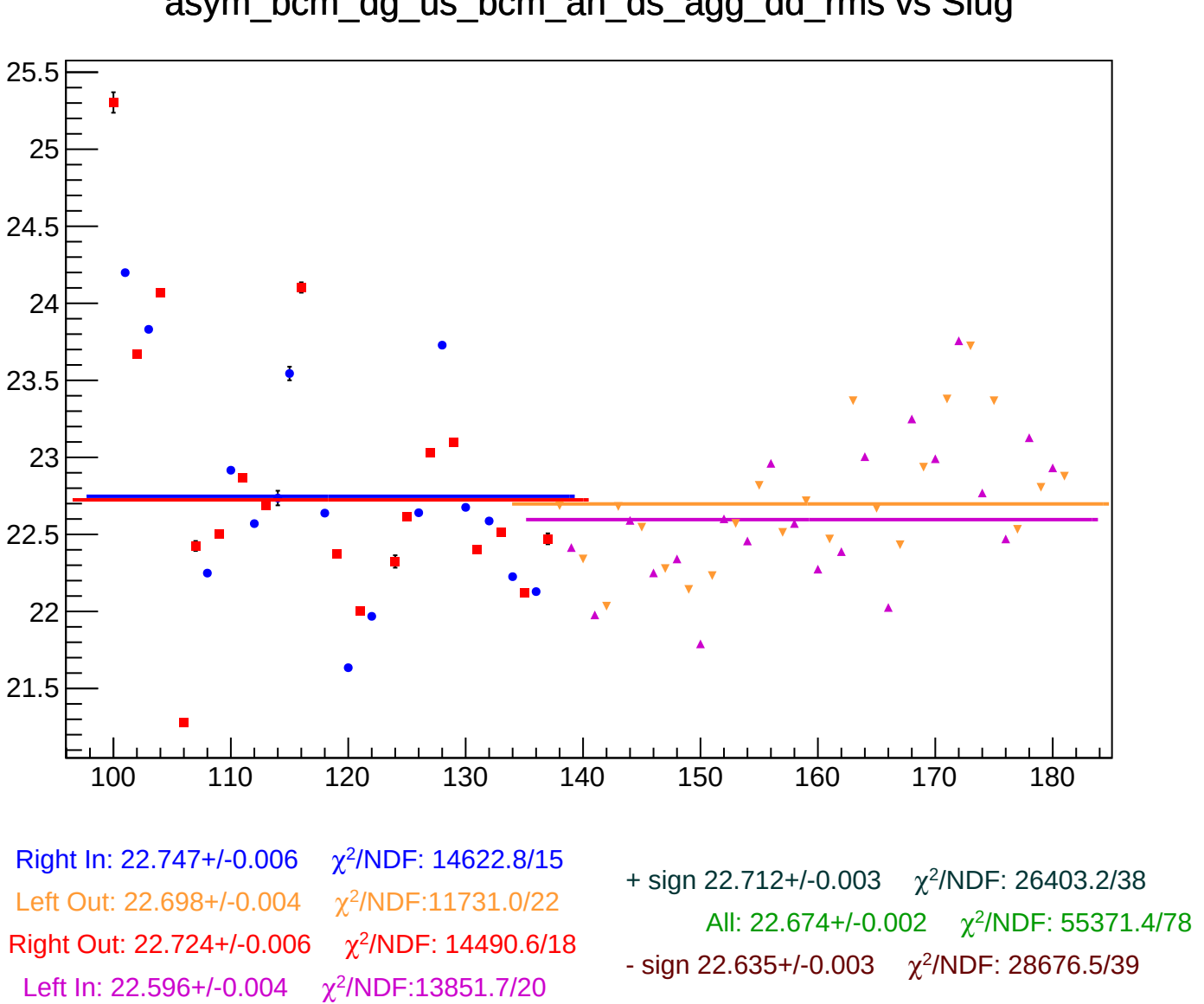
Right Out: -20.457+/-8.292 χ^2/NDF: 15.3/18

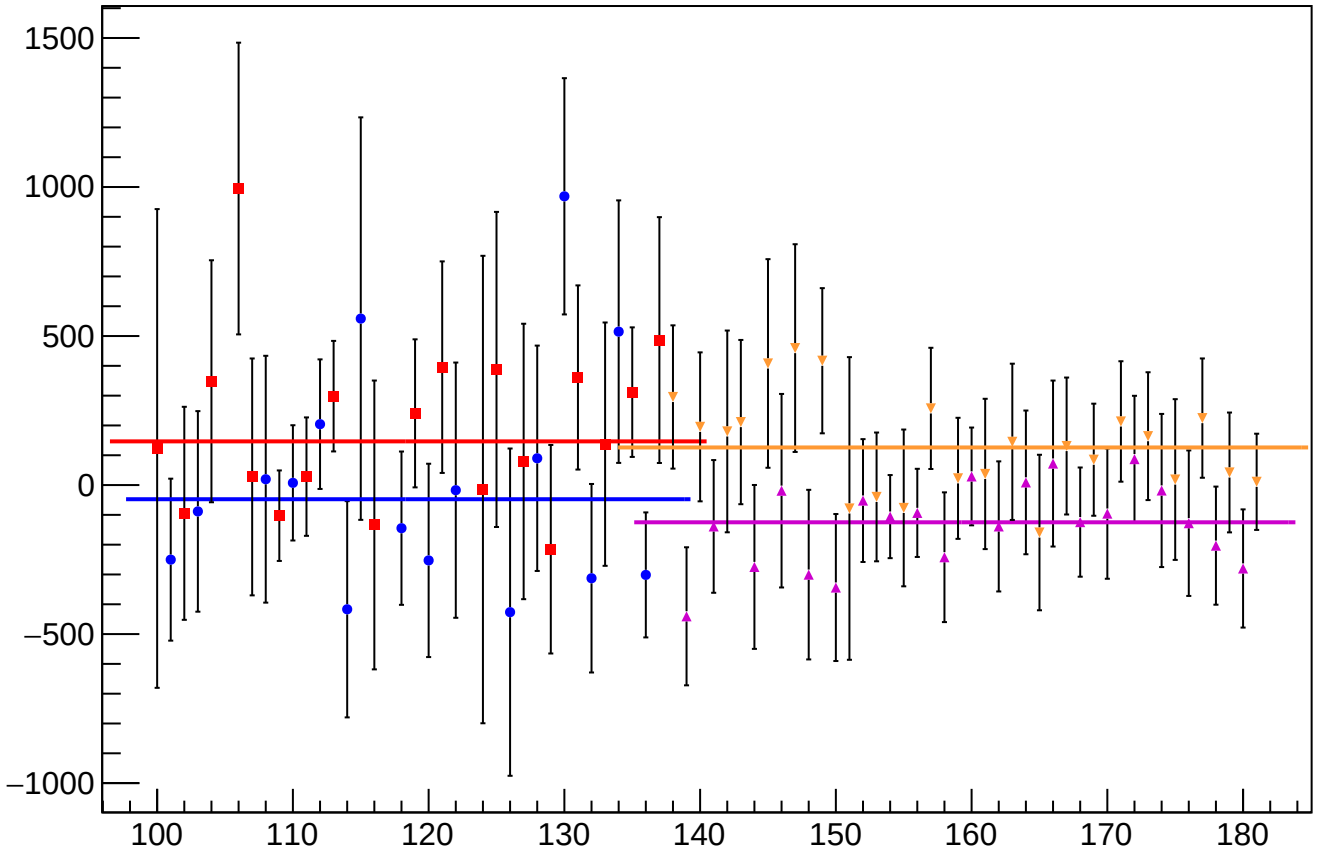
Left In: -4.204+/-5.442 χ^2/NDF:19.4/20

\+ sign 8.476+/-4.493 χ^2/NDF: 49.2/38

All: -0.200+/-3.197 χ^2/NDF: 94.1/78

\- sign -9.098+/-4.550 χ^2/NDF: 37.3/39


asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug
25.5
25
24.5
24
23.5
23
22.5
22
21.5
100
110
120
130
140
150
160
170
180
Right In: 22.747+/-0.006 χ2/NDF: 14622.8/15
Left Out: 22.698+/-0.004 χ2/NDF:11731.0/22
Right Out: 22.724+/-0.006 χ2/NDF: 14490.6/18
Left In: 22.596+/-0.004 χ2/NDF:13851.7/20
+ sign 22.712+/-0.003 χ2/NDF: 26403.2/38
All: 22.674+/-0.002 χ2/NDF: 55371.4/78
- sign 22.635+/-0.003 χ2/NDF: 28676.5/39



Right In: -47.523+/-76.571 χ^2/NDF: 15.4/15

Left Out: 126.180+/-48.973 χ^2/NDF:8.4/22

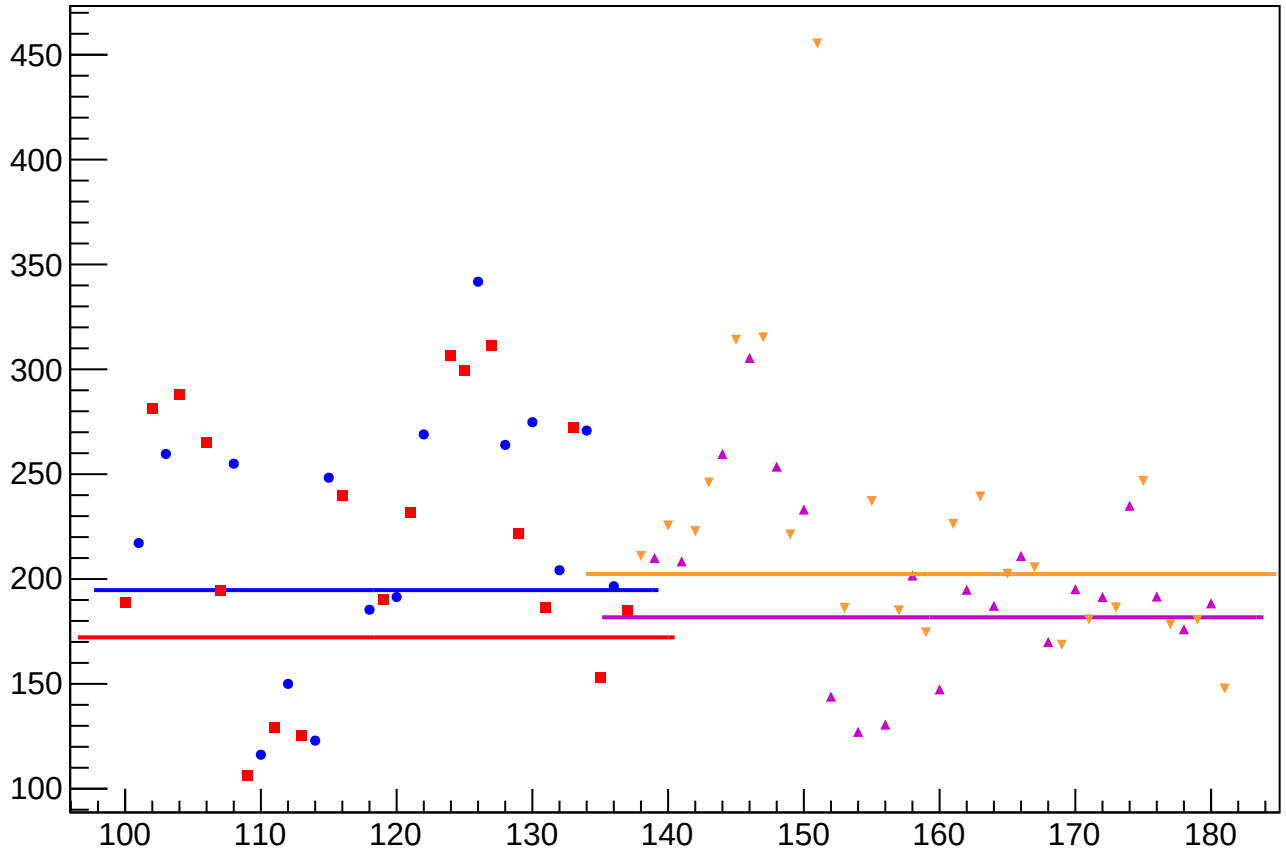
Right Out: 146.573+/-68.398 χ^2/NDF: 11.6/18

Left In: -124.938+/-45.831 χ^2/NDF:7.6/20

+ sign 75.753+/-41.256 χ^2/NDF: 27.4/38

All: 12.804+/-27.980 χ^2/NDF: 61.7/78

- sign -40.808+/-38.074 χ^2/NDF: 30.0/39



Right In: 194.708+/-0.054 χ^2/NDF: 1052288.9/15

Left Out: 202.367+/-0.035 χ^2/NDF:1589220.5/22

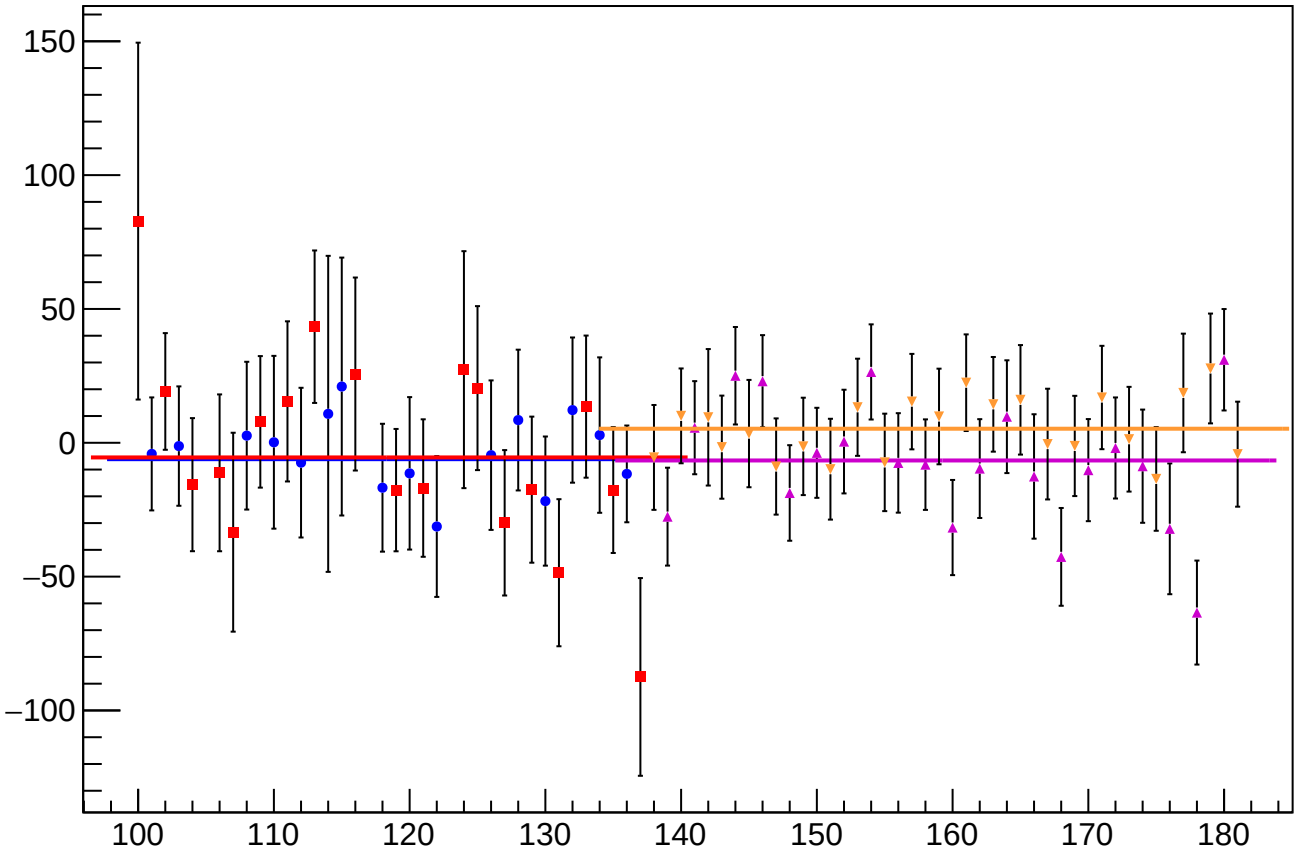
Right Out: 172.186+/-0.048 χ^2/NDF: 1671068.3/18

Left In: 181.759+/-0.032 χ^2/NDF:1584647.7/20

+ sign 200.144+/-0.029 χ^2/NDF: 2655710.9/38

All: 188.613+/-0.020 χ^2/NDF: 6227745.2/78

- sign 178.793+/-0.027 χ^2/NDF: 3282753.2/39



Right In: -6.119+/-6.592 χ^2/NDF: 3.1/15

Left Out: 5.257+/-3.997 χ^2/NDF:7.8/22

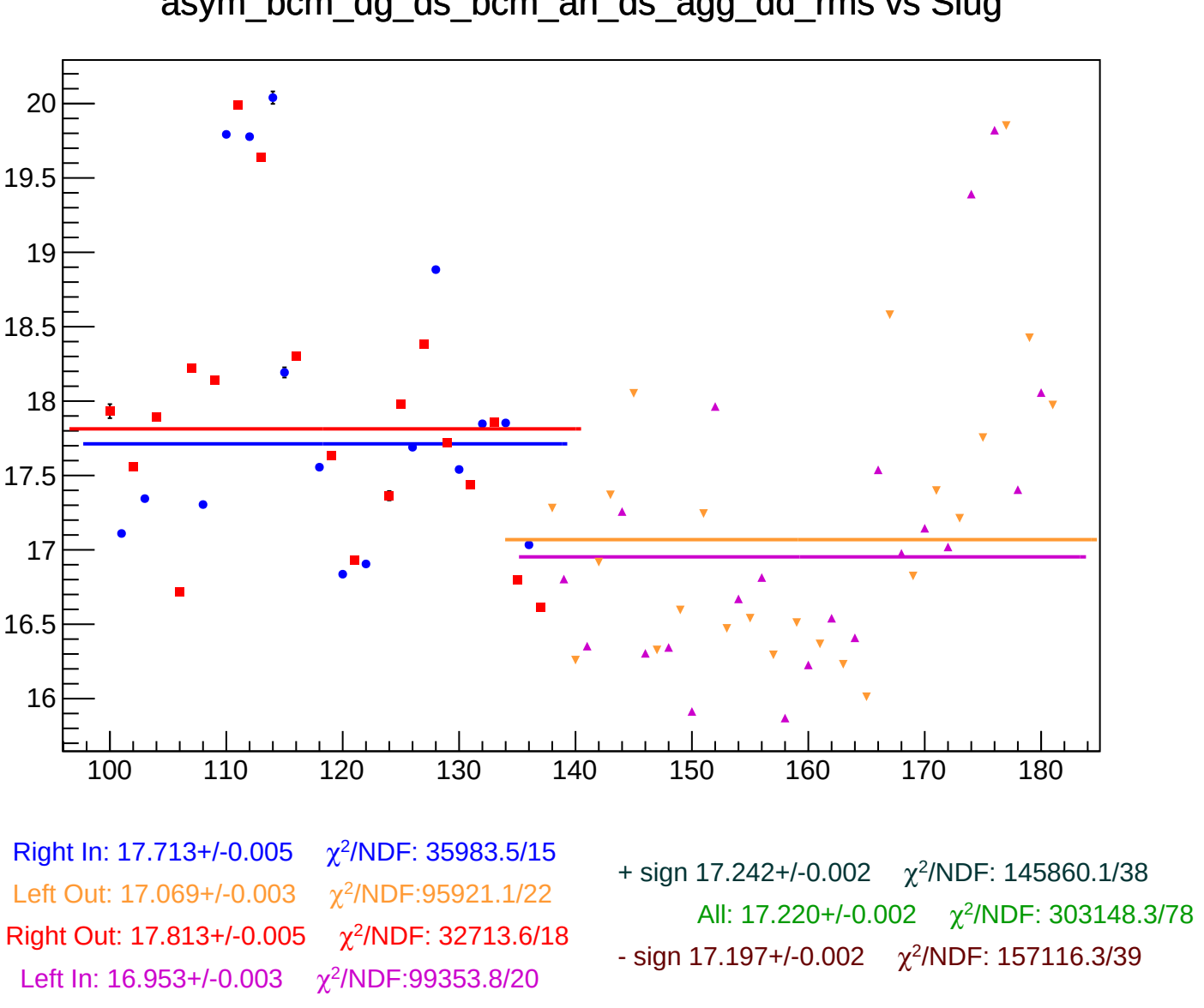
Right Out: -5.470+/-6.509 χ^2/NDF: 19.2/18

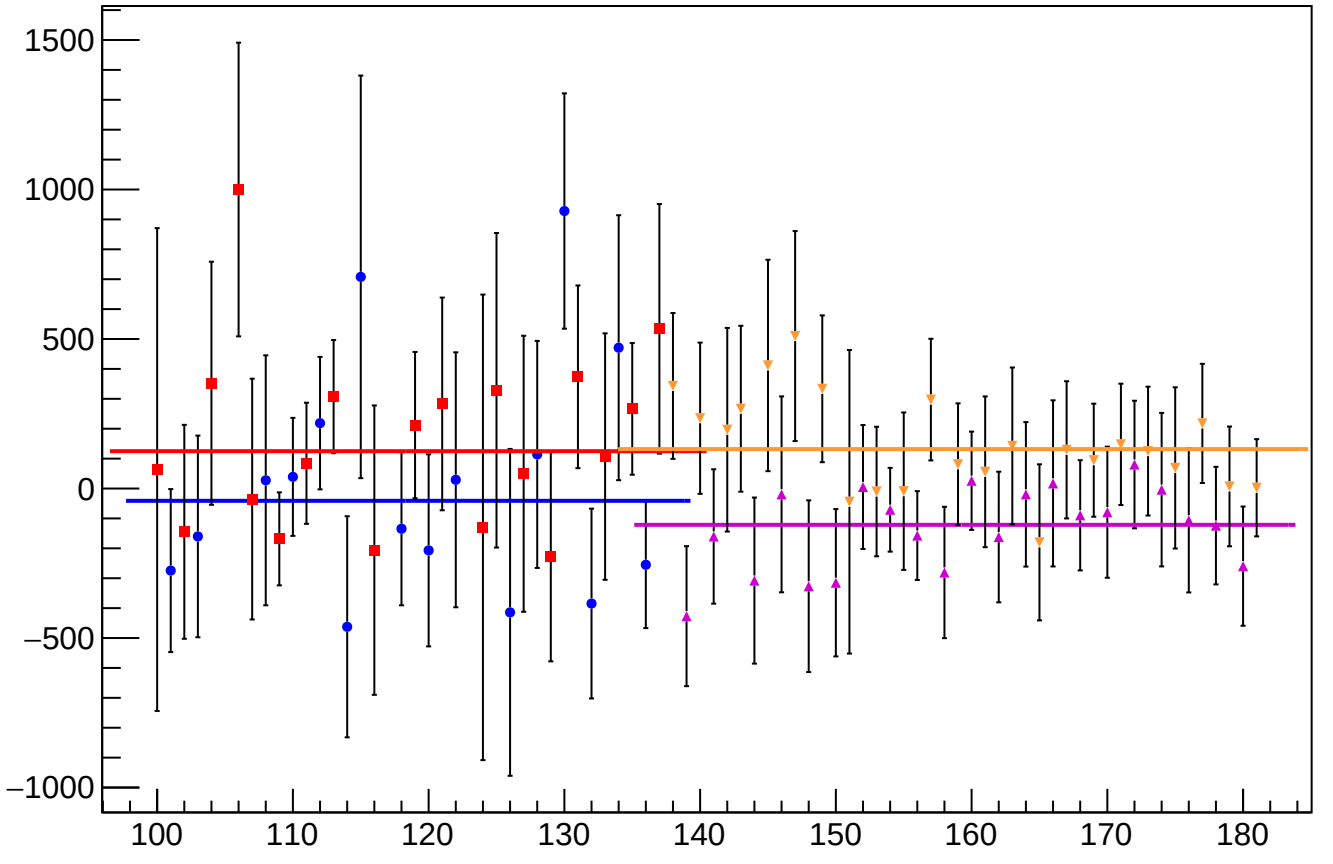
Left In: -6.604+/-4.093 χ^2/NDF:32.2/20

+ sign 2.199+/-3.418 χ^2/NDF: 13.1/38

All: -1.983+/-2.433 χ^2/NDF: 67.5/78

- sign -6.283+/-3.465 χ^2/NDF: 51.4/39


asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug
20
19.5
19
18.5
18
17.5
17
16.5
16
100
110
120
130
140
150
160
170
180
Right In: 17.713+/-0.005 χ²/NDF: 35983.5/15
Left Out: 17.069+/-0.003 χ²/NDF:95921.1/22
Right Out: 17.813+/-0.005 χ²/NDF: 32713.6/18
Left In: 16.953+/-0.003 χ²/NDF:99353.8/20
+ sign 17.242+/-0.002 χ²/NDF: 145860.1/38
All: 17.220+/-0.002 χ²/NDF: 303148.3/78
- sign 17.197+/-0.002 χ²/NDF: 157116.3/39



Right In: -41.114+/-77.139 χ^2/NDF: 15.6/15

Left Out: 131.847+/-49.140 χ^2/NDF:8.0/22

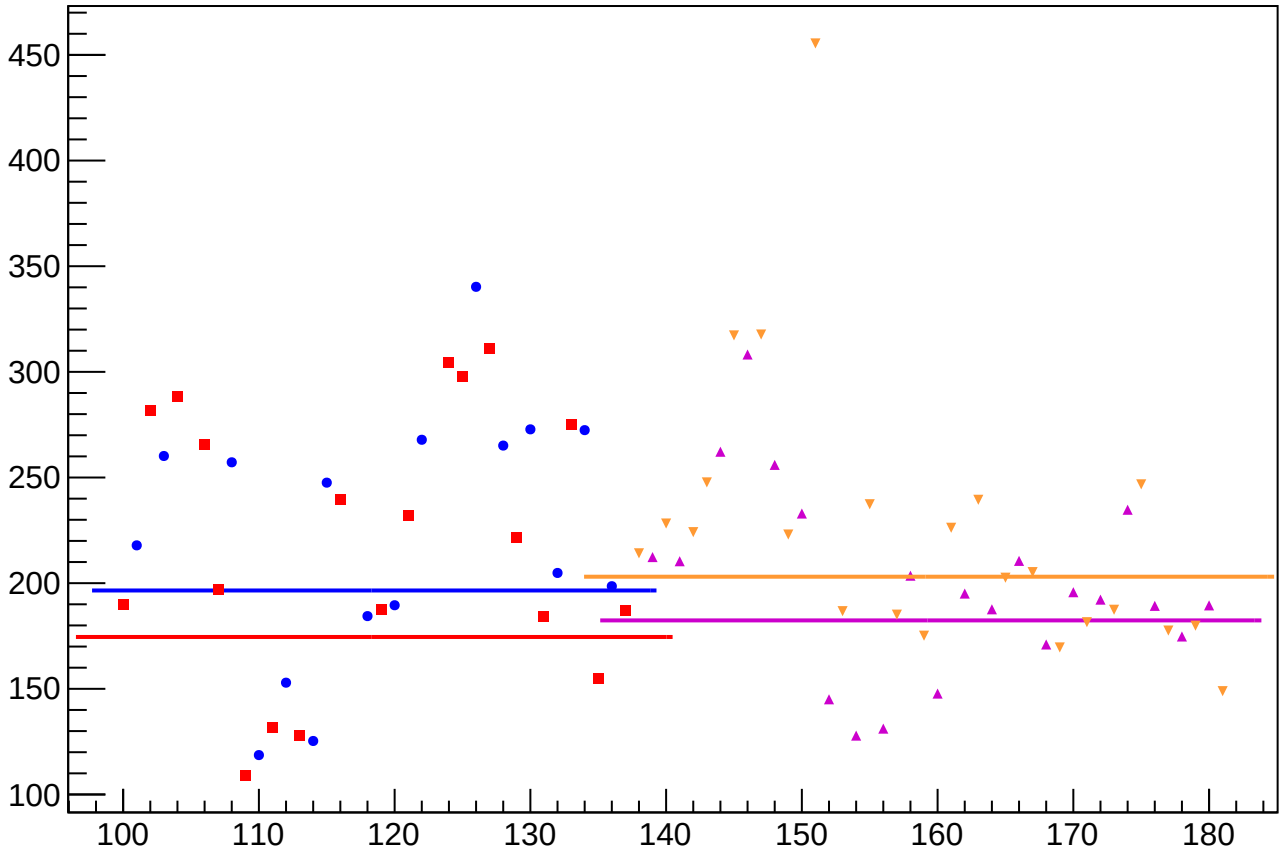
Right Out: 124.872+/-69.109 χ^2/NDF: 12.9/18

Left In: -121.431+/-45.984 χ^2/NDF:7.4/20

+ sign 81.918+/-41.445 χ^2/NDF: 27.2/38

All: 12.978+/-28.122 χ^2/NDF: 61.5/78

- sign -45.846+/-38.284 χ^2/NDF: 29.1/39



Right In: 196.542+/-0.055 χ^2/NDF: 1000770.4/15

Left Out: 203.059+/-0.035 χ^2/NDF:1596554.8/22

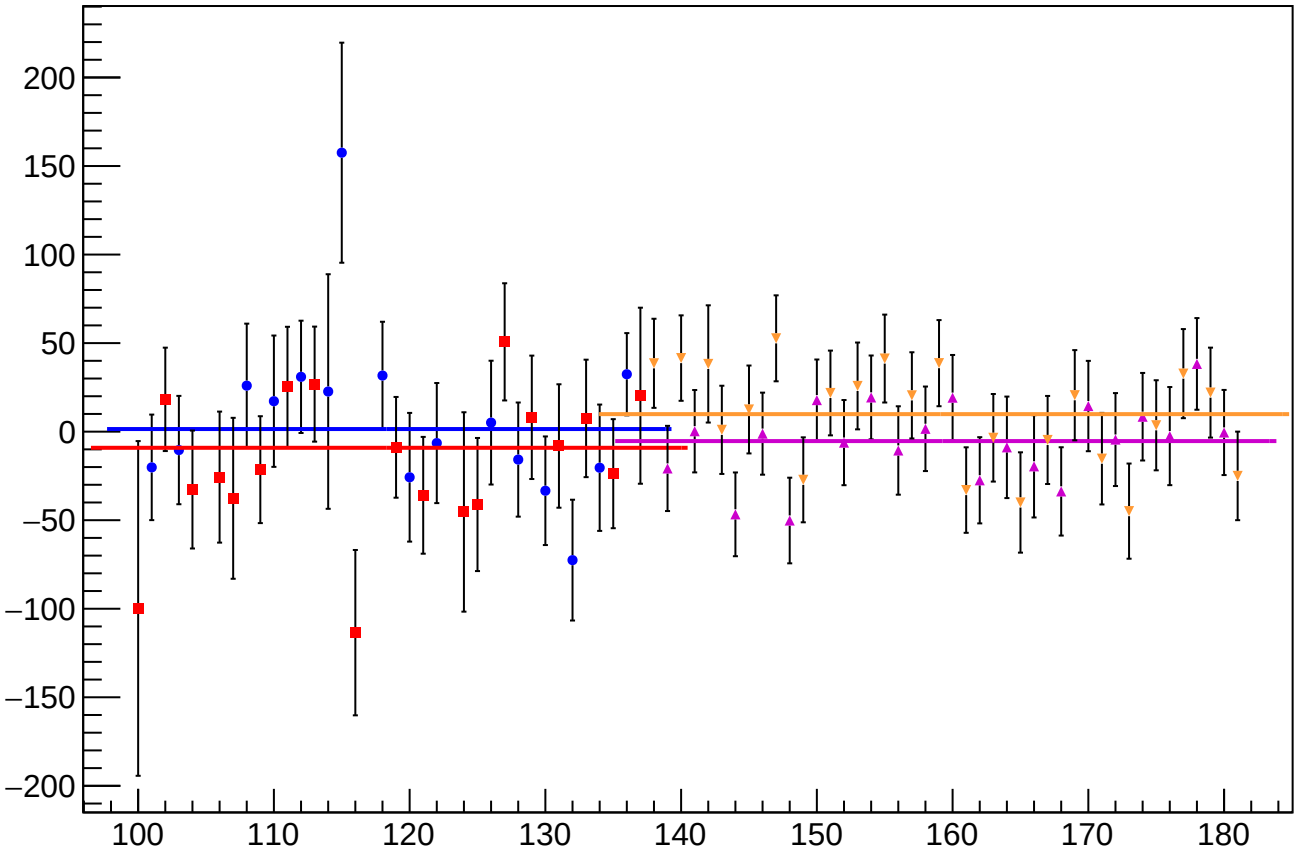
Right Out: 174.540+/-0.049 χ^2/NDF: 1588725.2/18

Left In: 182.380+/-0.033 χ^2/NDF:1590948.1/20

+ sign 201.178+/-0.029 χ^2/NDF: 2607479.1/38

All: 189.736+/-0.020 χ^2/NDF: 6087465.4/78

- sign 179.974+/-0.027 χ^2/NDF: 3197513.6/39



Right In: 1.475+/-8.370 χ^2/NDF: 18.7/15

Left Out: 9.892+/-5.256 χ^2/NDF:28.5/22

Right Out: -9.113+/-8.198 χ^2/NDF: 16.5/18

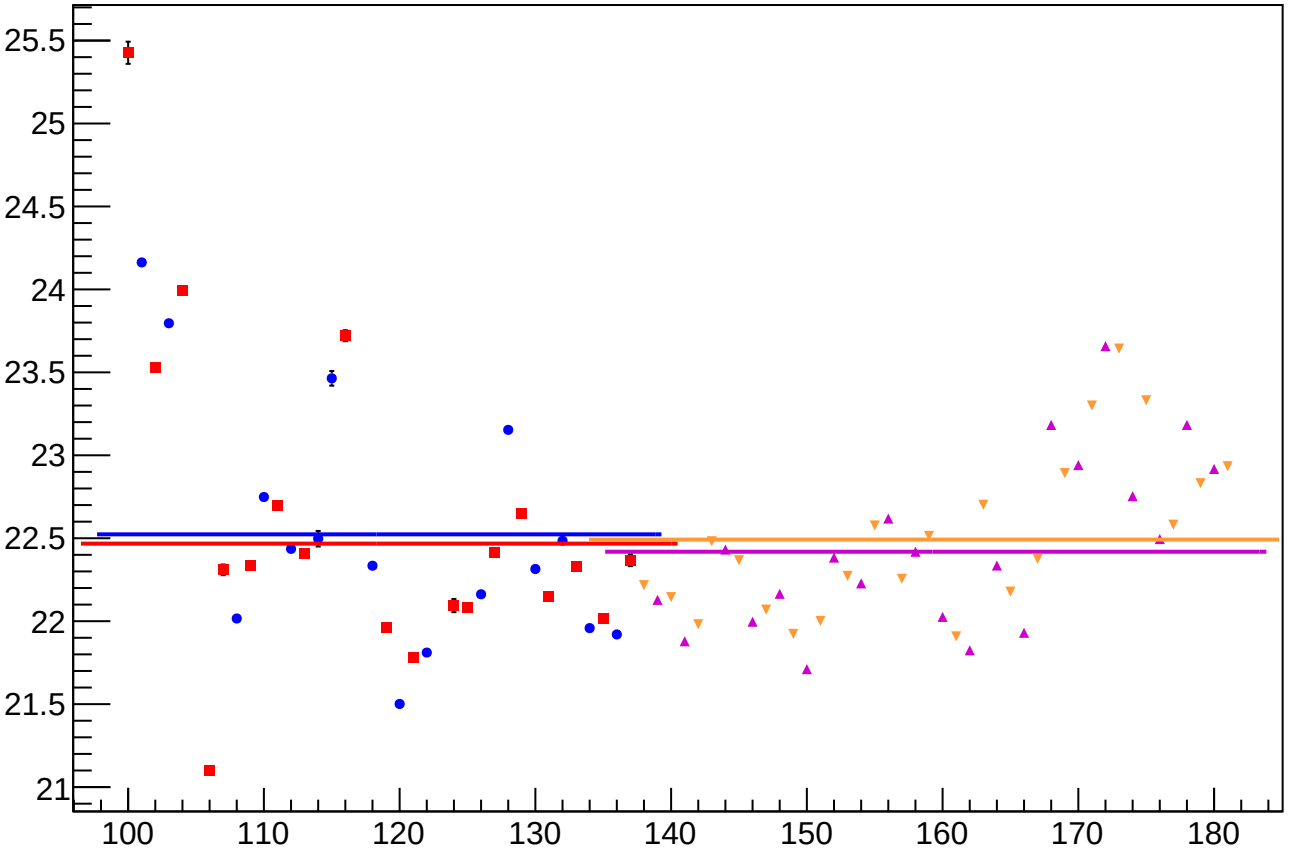
Left In: -5.326+/-5.399 χ^2/NDF:16.5/20

+ sign 7.512+/-4.451 χ^2/NDF: 47.9/38

All: 0.611+/-3.168 χ^2/NDF: 85.8/78

- sign -6.472+/-4.509 χ^2/NDF: 33.1/39

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: 22.492+/-0.004 χ^2/NDF:15024.5/22

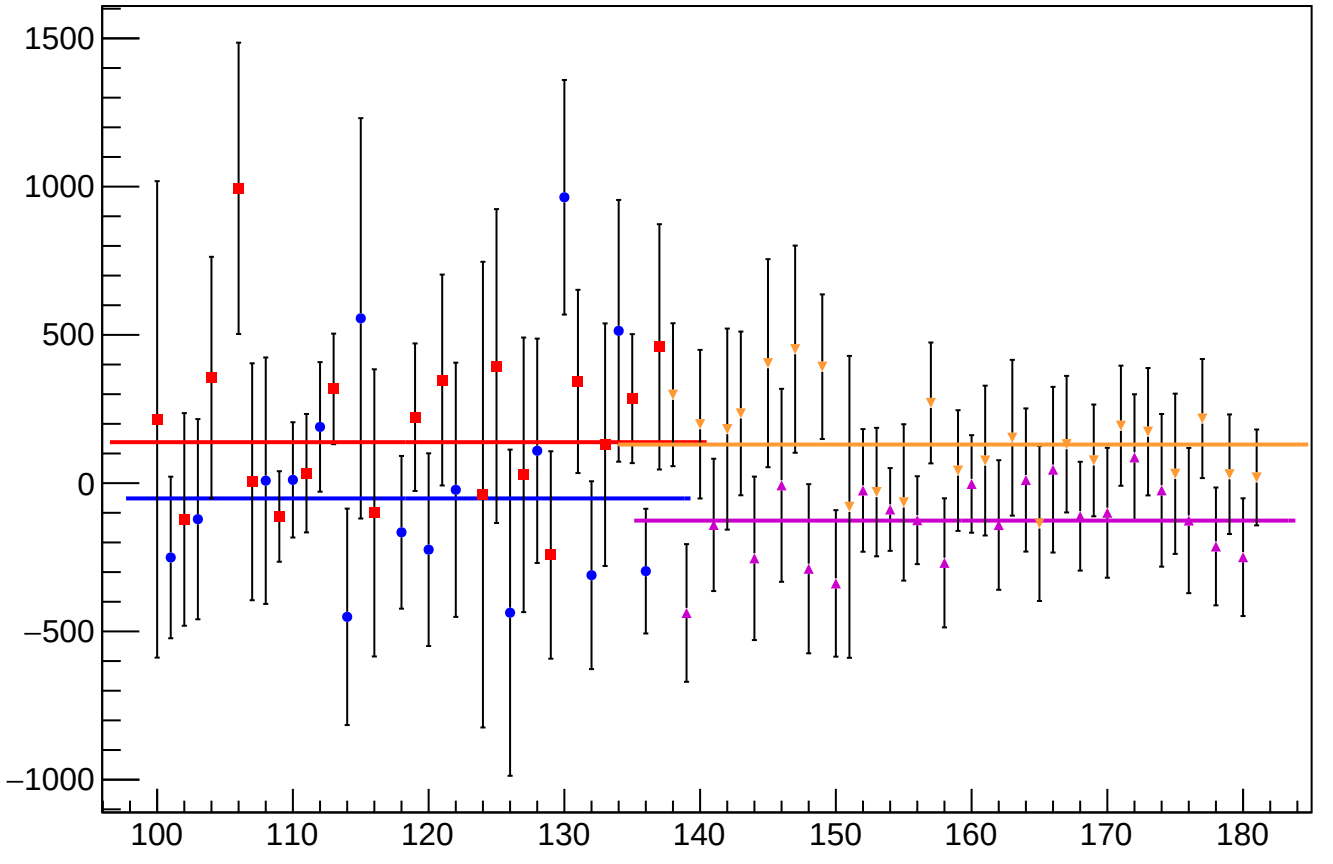
Right Out: 22.468+/-0.006 χ^2/NDF: 15626.5/18

Left In: 22.419+/-0.004 χ^2/NDF:16899.6/20

+ sign 22.501+/-0.003 χ^2/NDF: 30993.0/38

All: 22.468+/-0.002 χ^2/NDF: 63794.4/78

- sign 22.433+/-0.003 χ^2/NDF: 32575.8/39



Right In: -51.492+/-76.798 χ^2/NDF: 15.3/15

Left Out: 130.267+/-49.083 χ^2/NDF:7.6/22

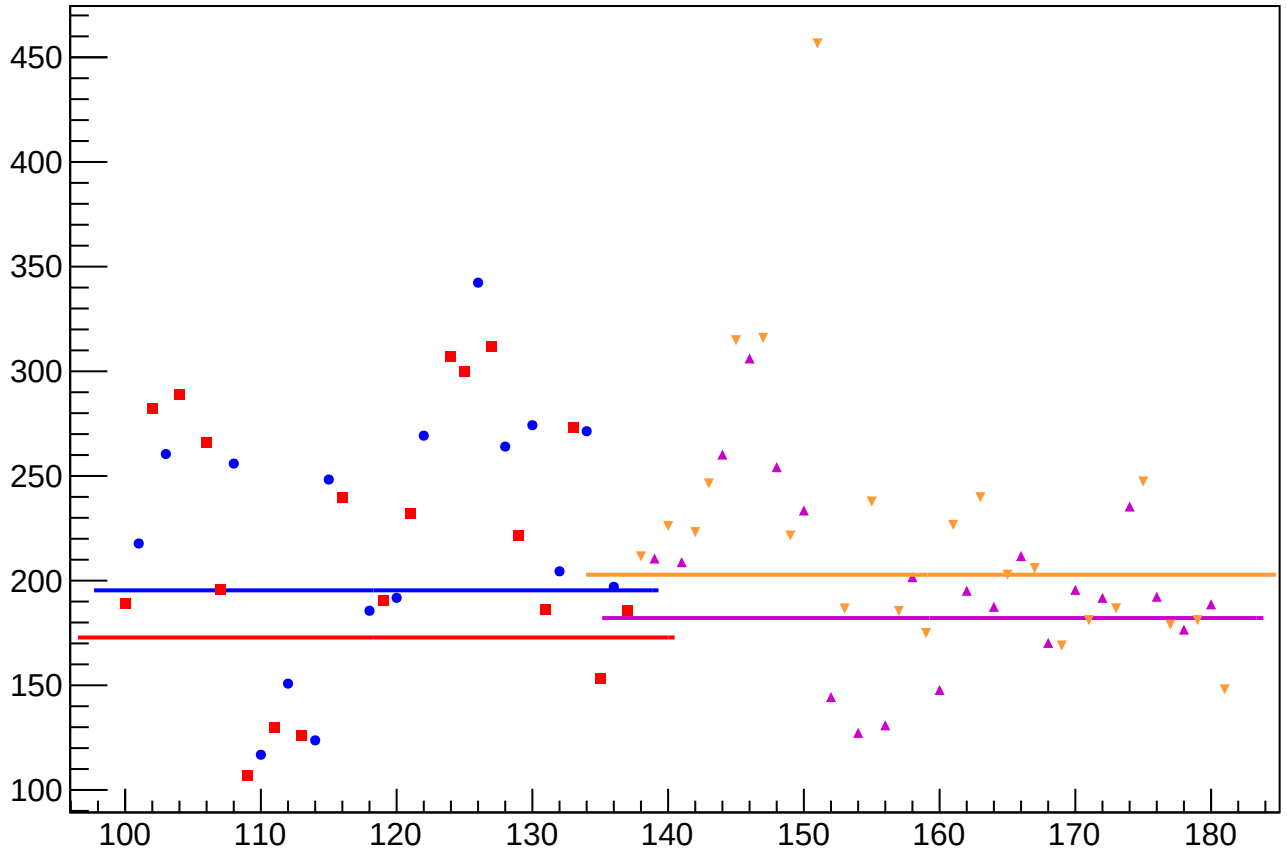
Right Out: 138.184+/-68.625 χ^2/NDF: 11.6/18

Left In: -126.321+/-45.923 χ^2/NDF:7.0/20

+ sign 77.555+/-41.358 χ^2/NDF: 26.9/38

All: 11.632+/-28.048 χ^2/NDF: 60.5/78

- sign -44.508+/-38.166 χ^2/NDF: 28.8/39



Right In: 195.361+/-0.054 χ^2/NDF: 1041432.1/15

Left Out: 202.819+/-0.035 χ^2/NDF:1589492.2/22

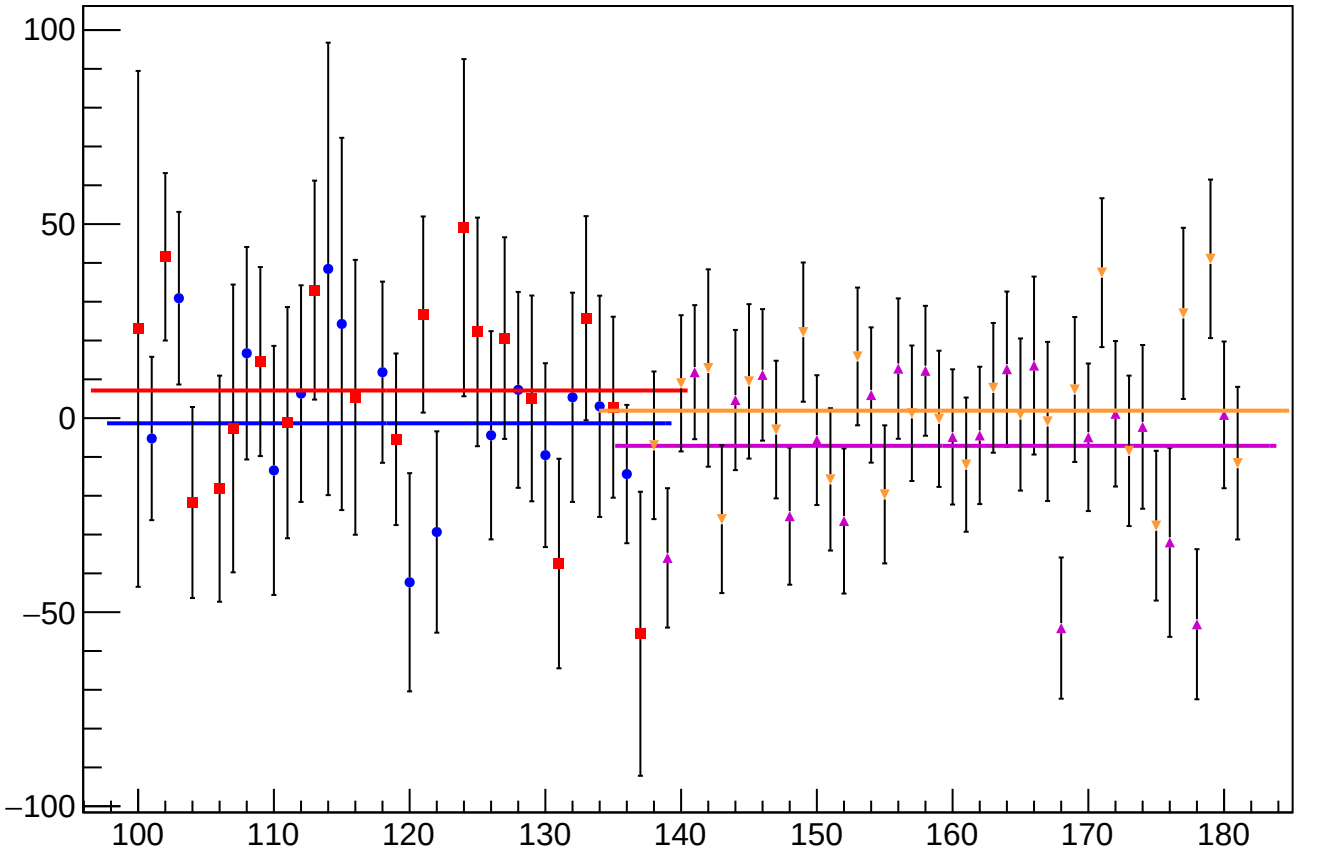
Right Out: 172.837+/-0.049 χ^2/NDF: 1659430.2/18

Left In: 182.124+/-0.032 χ^2/NDF:1584794.7/20

+ sign 200.656+/-0.029 χ^2/NDF: 2644315.2/38

All: 189.096+/-0.020 χ^2/NDF: 6203164.6/78

- sign 179.251+/-0.027 χ^2/NDF: 3269522.9/39



Right In: -1.331+/-6.499 χ^2/NDF: 8.0/15

Left Out: 1.924+/-3.927 χ^2/NDF:19.6/22

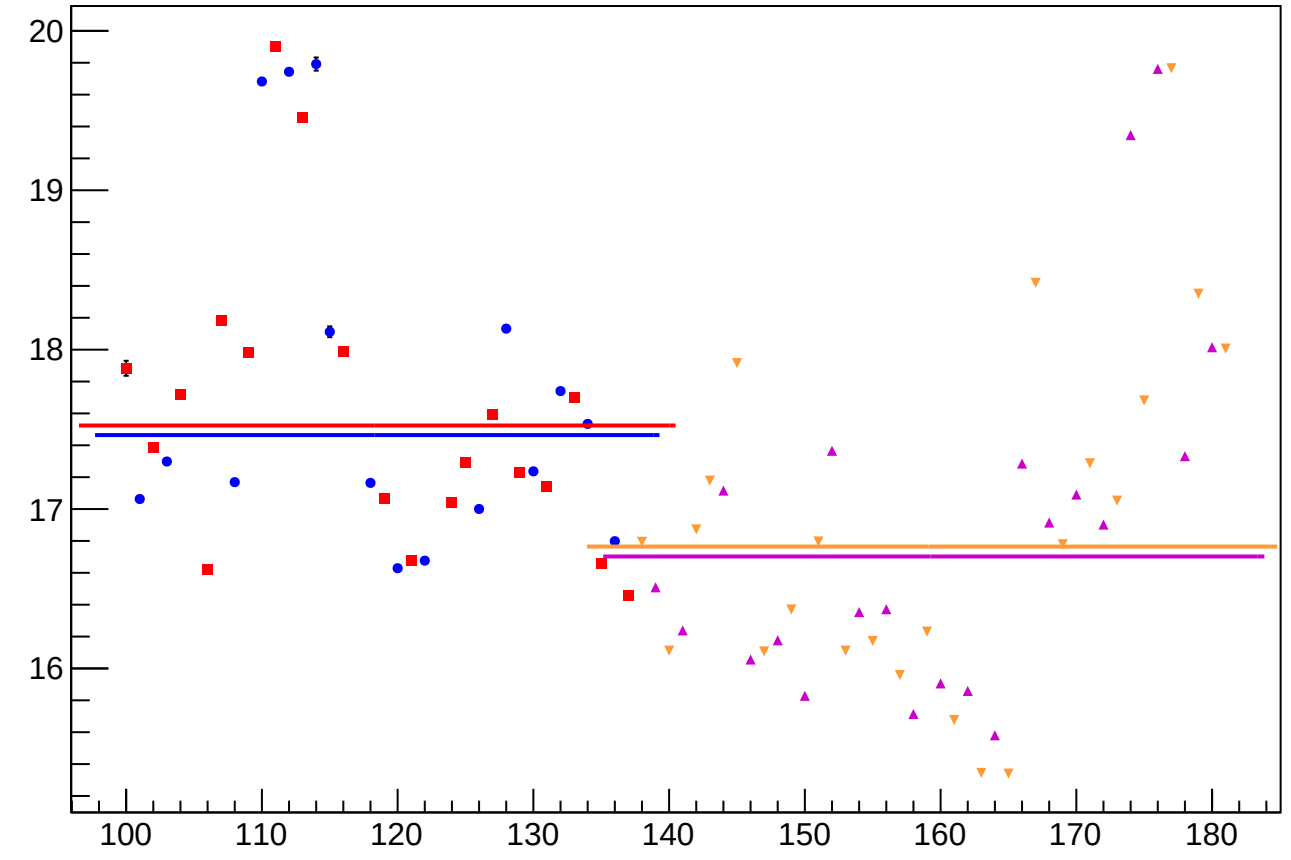
Right Out: 7.126+/-6.402 χ^2/NDF: 14.4/18

Left In: -7.135+/-4.033 χ^2/NDF:26.2/20

+ sign 1.053+/-3.361 χ^2/NDF: 27.8/38

All: -0.984+/-2.395 χ^2/NDF: 72.8/78

- sign -3.083+/-3.412 χ^2/NDF: 44.2/39



Right In: 17.464+/-0.005 χ^2/NDF: 36650.1/15

Left Out: 16.765+/-0.003 χ^2/NDF:134662.2/22

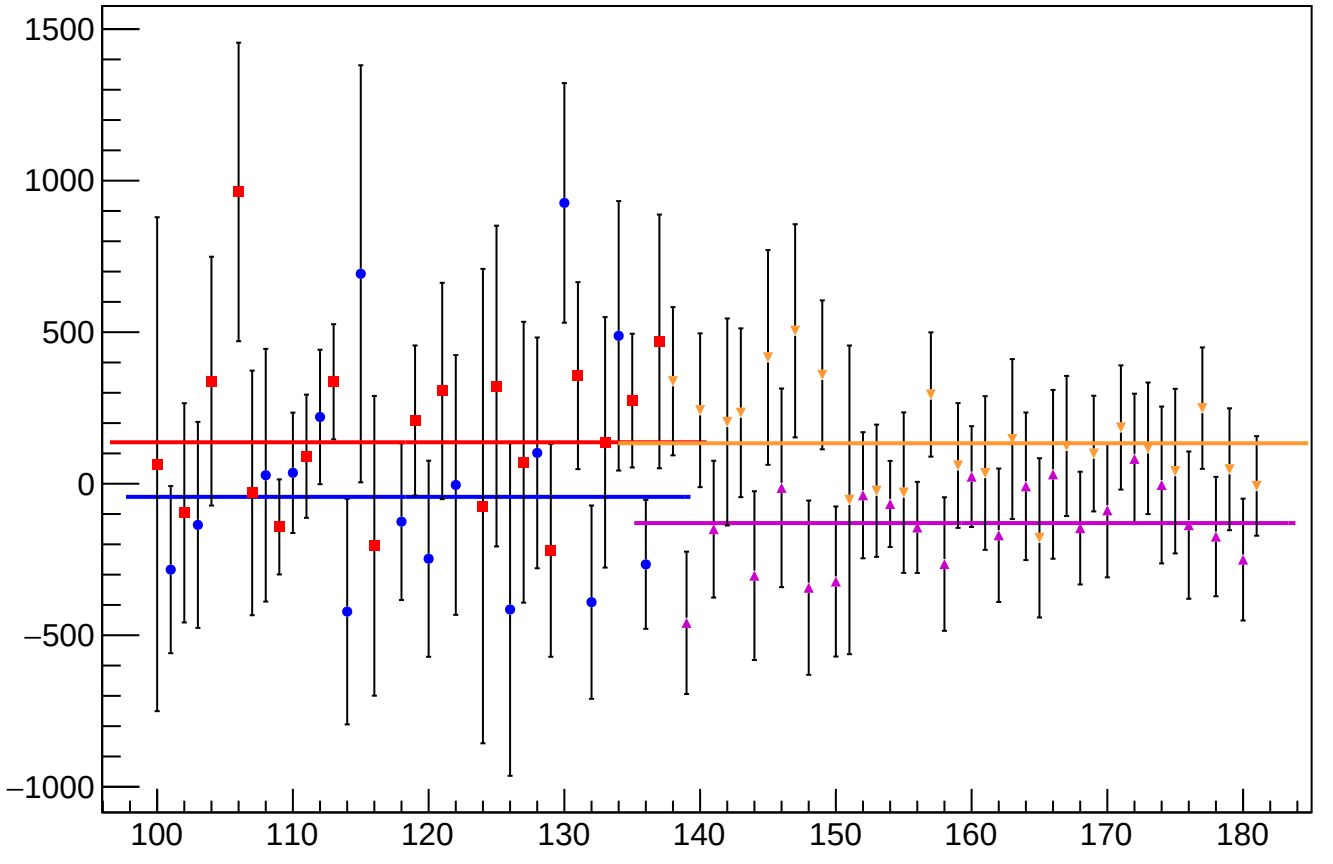
Right Out: 17.524+/-0.005 χ^2/NDF: 34726.0/18

Left In: 16.702+/-0.003 χ^2/NDF:116179.5/20

+ sign 16.952+/-0.002 χ^2/NDF: 188284.6/38

All: 16.944+/-0.002 χ^2/NDF: 362814.2/78

- sign 16.936+/-0.002 χ^2/NDF: 174507.5/39



Right In: -43.384+/-77.584 χ^2/NDF: 15.5/15

Left Out: 133.515+/-49.465 χ^2/NDF:8.5/22

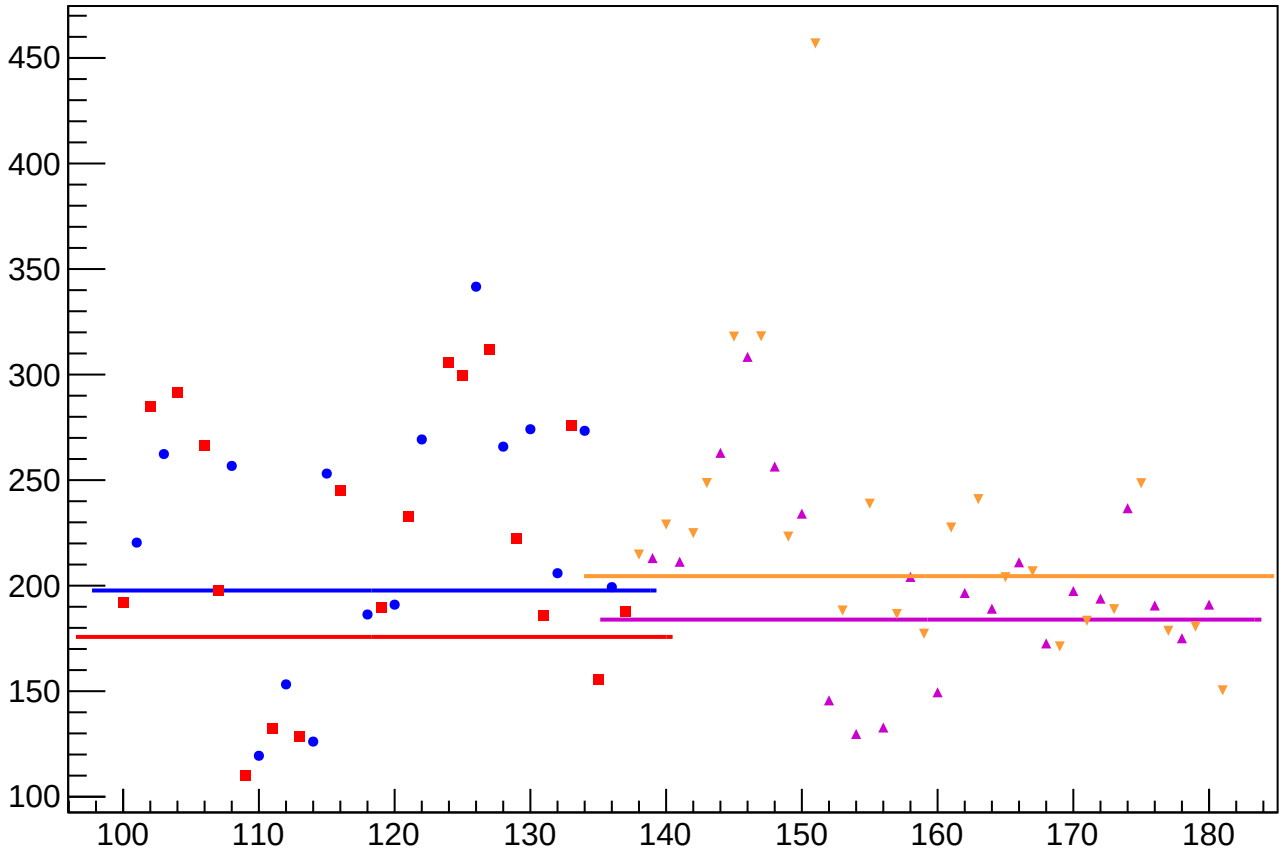
Right Out: 136.778+/-69.557 χ^2/NDF: 11.5/18

Left In: -129.840+/-46.336 χ^2/NDF:7.5/20

+ sign 82.389+/-41.709 χ^2/NDF: 27.6/38

All: 12.150+/-28.315 χ^2/NDF: 62.1/78

- sign -47.891+/-38.563 χ^2/NDF: 29.3/39



Right In: 197.707+/-0.055 χ^2/NDF: 1000324.6/15

Left Out: 204.509+/-0.035 χ^2/NDF:1569986.6/22

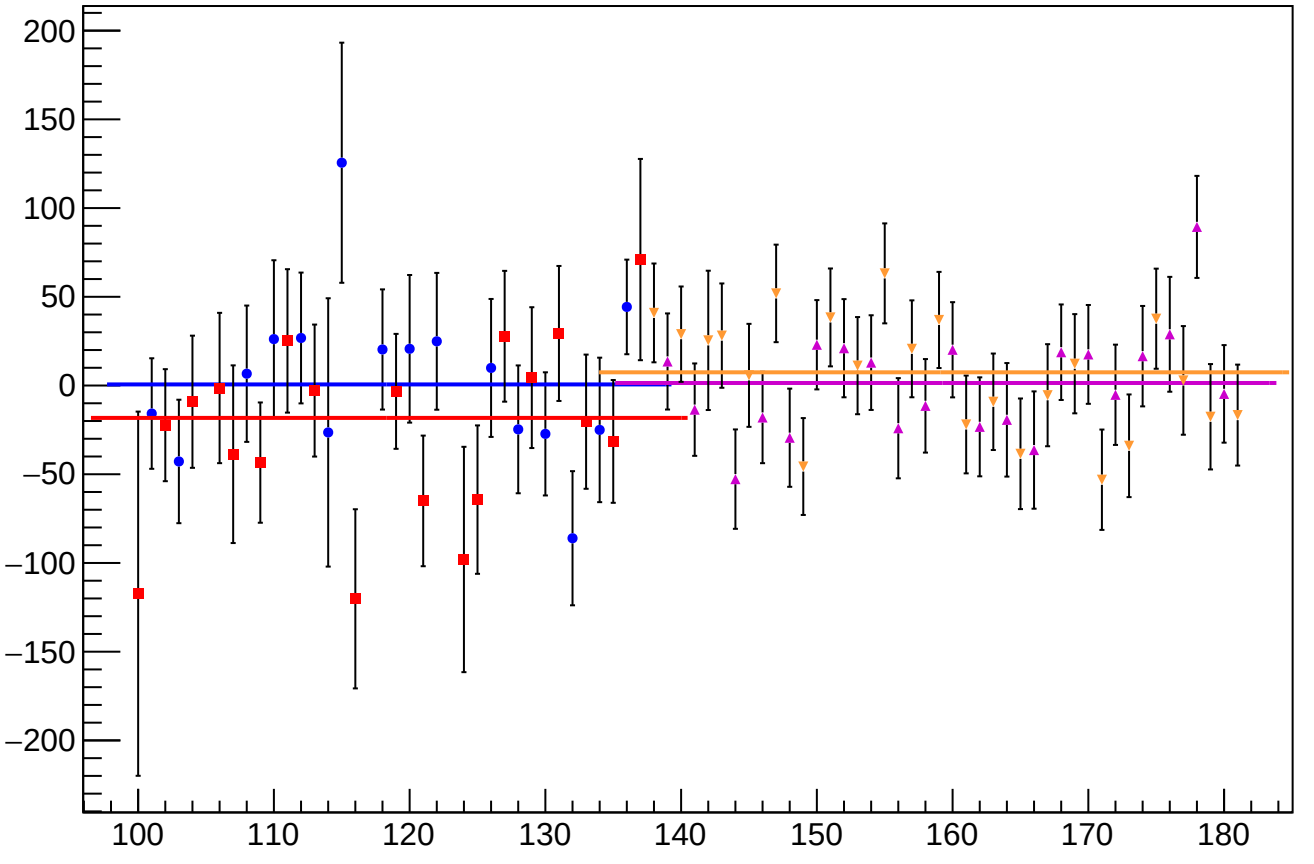
Right Out: 175.716+/-0.049 χ^2/NDF: 1590559.8/18

Left In: 183.915+/-0.033 χ^2/NDF:1548168.2/20

+ sign 202.543+/-0.029 χ^2/NDF: 2581239.1/38

All: 191.141+/-0.020 χ^2/NDF: 6016426.1/78

- sign 181.395+/-0.027 χ^2/NDF: 3157978.1/39



Right In: 0.619+/-9.421 χ^2/NDF: 16.7/15

Left Out: 7.443+/-5.947 χ^2/NDF:29.0/22

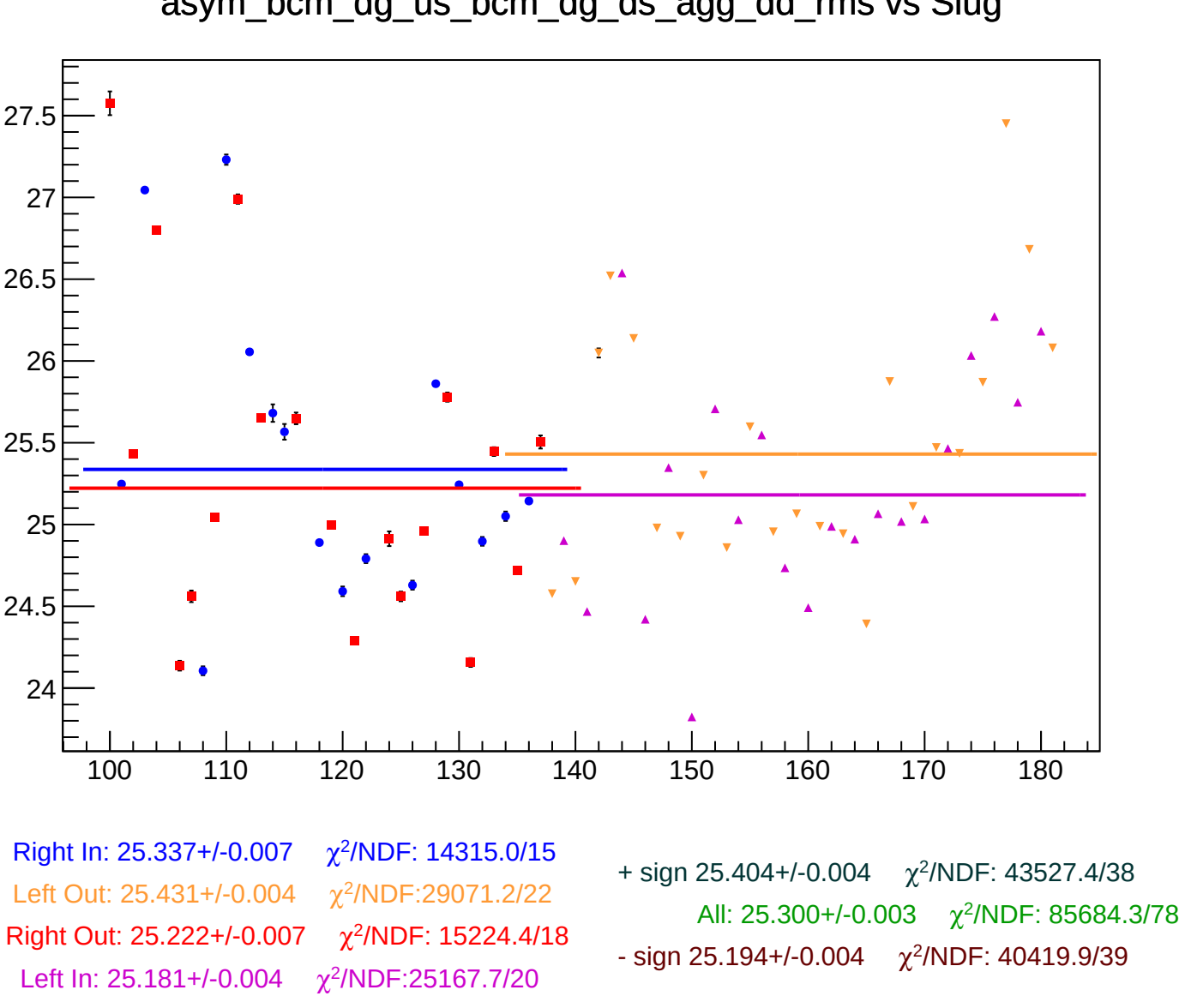
Right Out: -18.248+/-9.208 χ^2/NDF: 18.0/18

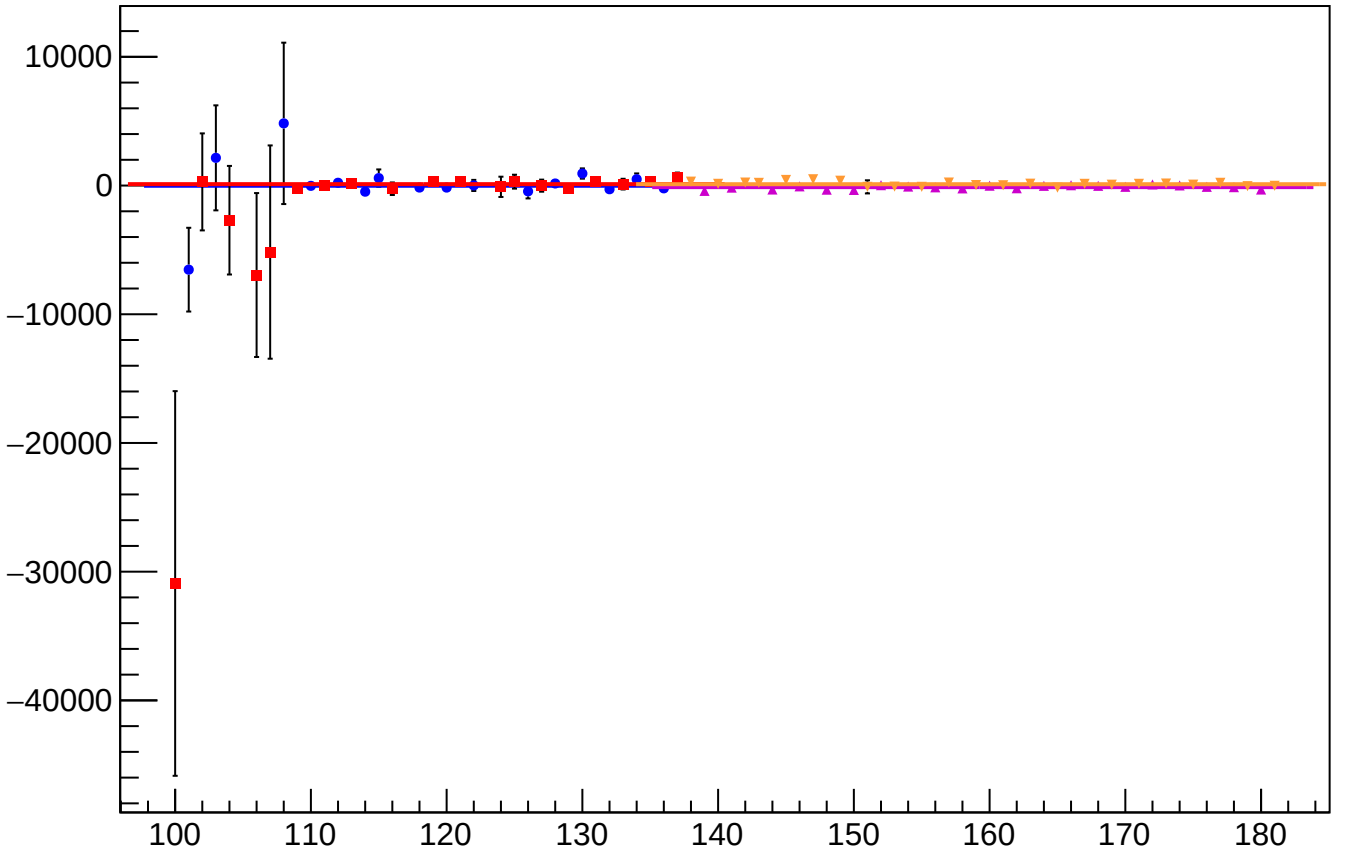
Left In: 1.432+/-6.070 χ^2/NDF:22.8/20

+ sign 5.499+/-5.029 χ^2/NDF: 46.1/38

All: 0.524+/-3.570 χ^2/NDF: 92.0/78

- sign -4.529+/-5.068 χ^2/NDF: 44.0/39


asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug
27.5
27
26.5
26
25.5
25
24.5
24
100
110
120
130
140
150
160
170
180
Right In: 25.337+/-0.007 χ²/NDF: 14315.0/15
Left Out: 25.431+/-0.004 χ²/NDF:29071.2/22
Right Out: 25.222+/-0.007 χ²/NDF: 15224.4/18
Left In: 25.181+/-0.004 χ²/NDF:25167.7/20
+ sign 25.404+/-0.004 χ²/NDF: 43527.4/38
All: 25.300+/-0.003 χ²/NDF: 85684.3/78
- sign 25.194+/-0.004 χ²/NDF: 40419.9/39



Right In: -15.450+/-84.701 χ^2/NDF: 18.3/15

Left Out: 103.737+/-49.337 χ^2/NDF:8.9/22

Right Out: 108.825+/-78.099 χ^2/NDF: 14.0/18

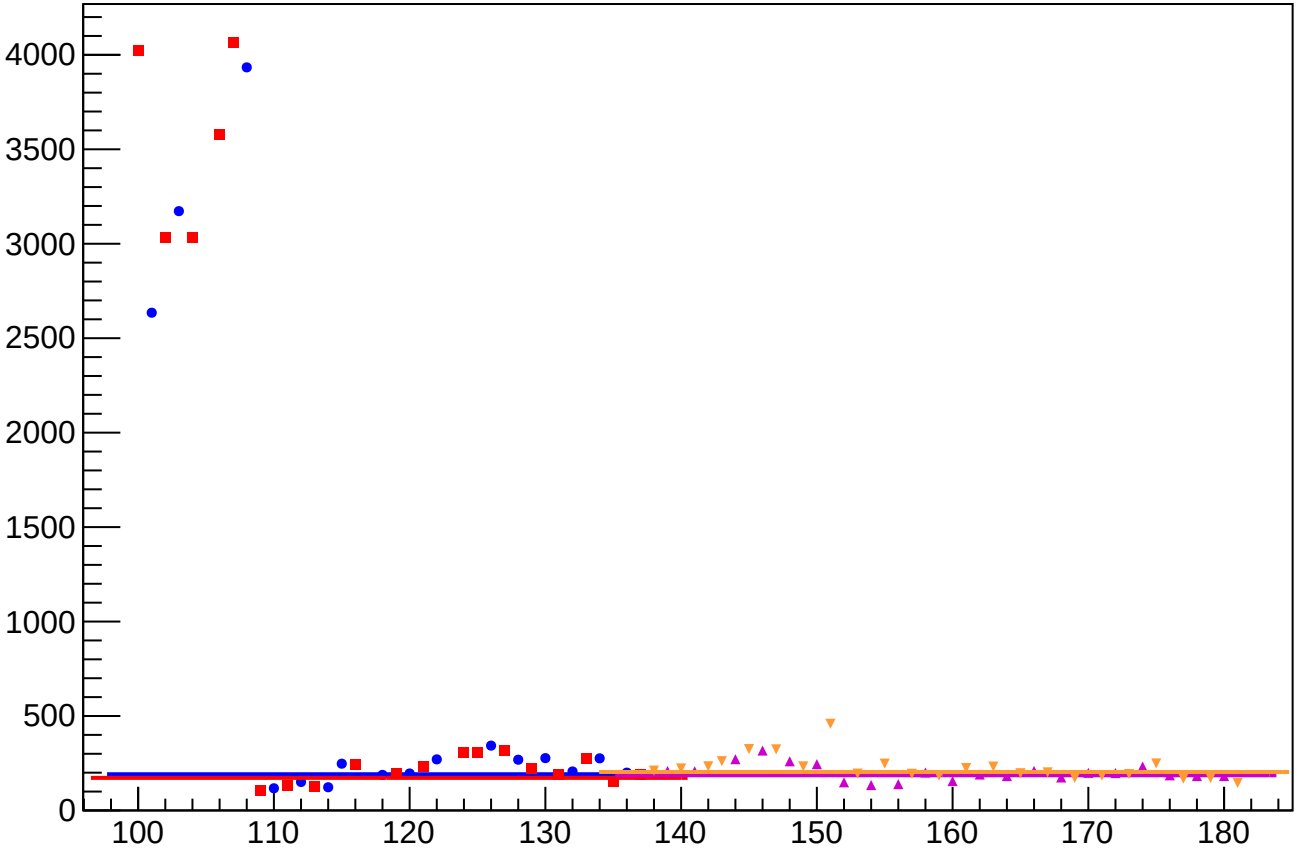
Left In: -122.837+/-46.806 χ^2/NDF:7.5/20

+ sign 73.543+/-42.632 χ^2/NDF: 28.7/38

All: 1.912+/-29.228 χ^2/NDF: 62.0/78

- sign -61.616+/-40.148 χ^2/NDF: 28.0/39

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: 203.608+/-0.035 χ^2/NDF:1718706.6/22

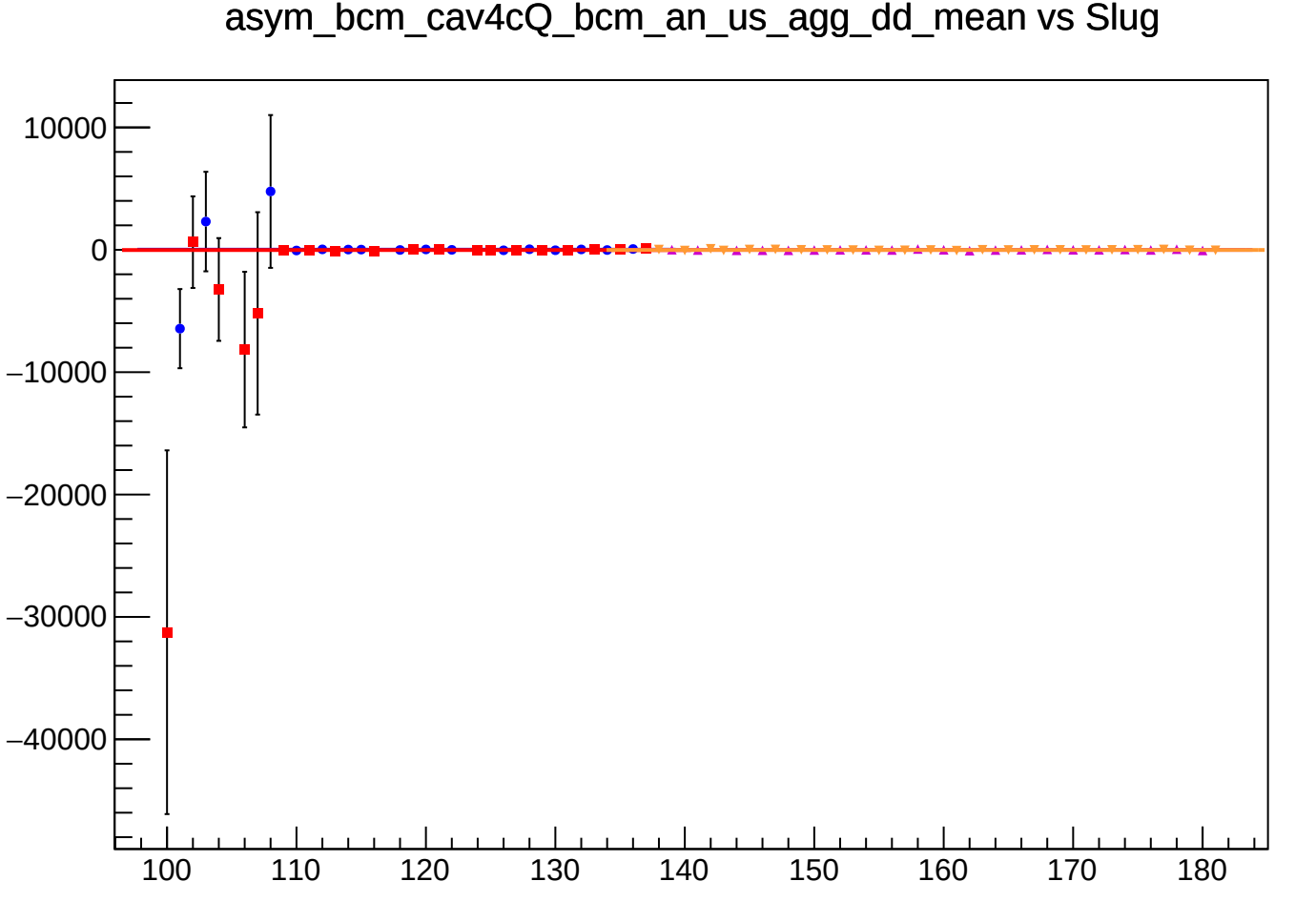
Right Out: 172.462+/-0.055 χ^2/NDF: 4303129.4/18

Left In: 186.249+/-0.033 χ^2/NDF:1407108.3/20

+ sign 200.600+/-0.030 χ^2/NDF: 5569850.9/38

All: 191.064+/-0.021 χ^2/NDF: 11514785.7/78

- sign 182.606+/-0.028 χ^2/NDF: 5756095.3/39



Right In: 9.576+/-11.685 χ^2/NDF: 16.0/15

Left Out: -13.638+/-6.696 χ^2/NDF:21.3/22

Right Out: -18.105+/-11.805 χ^2/NDF: 24.8/18

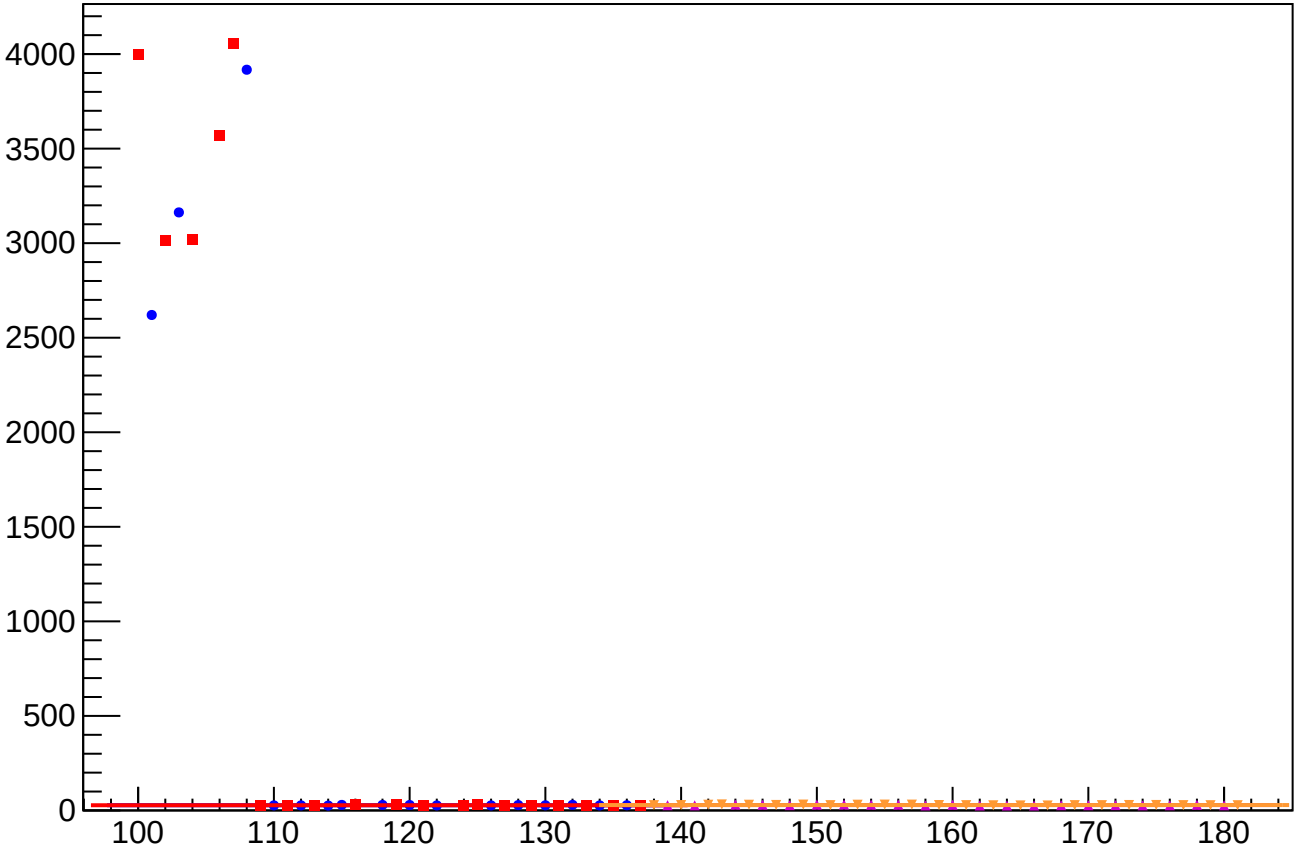
Left In: -5.478+/-6.908 χ^2/NDF:22.8/20

+ sign -7.899+/-5.810 χ^2/NDF: 40.3/38

All: -8.289+/-4.161 χ^2/NDF: 88.7/78

- sign -8.699+/-5.962 χ^2/NDF: 48.4/39

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: 28.586+/-0.005 χ^2/NDF:88130.1/22

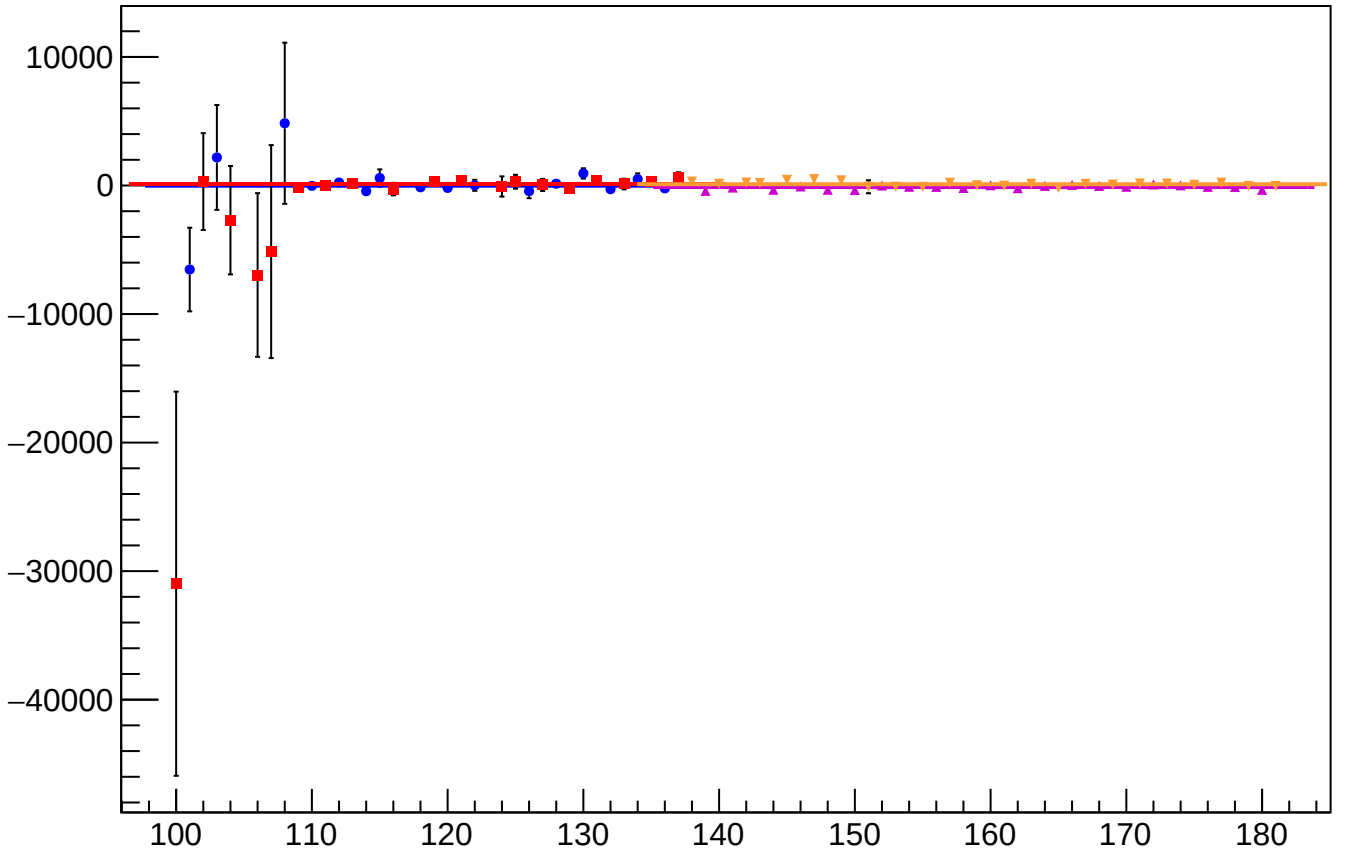
Right Out: 27.535+/-0.008 χ^2/NDF: 3555229.4/18

Left In: 28.587+/-0.005 χ^2/NDF:122610.3/20

+ sign 28.352+/-0.004 χ^2/NDF: 3363461.4/38

All: 28.336+/-0.003 χ^2/NDF: 7053183.0/78

- sign 28.319+/-0.004 χ^2/NDF: 3689689.1/39



Right In: -13.160+/-84.454 χ^2/NDF: 18.3/15

Left Out: 99.697+/-49.227 χ^2/NDF:9.6/22

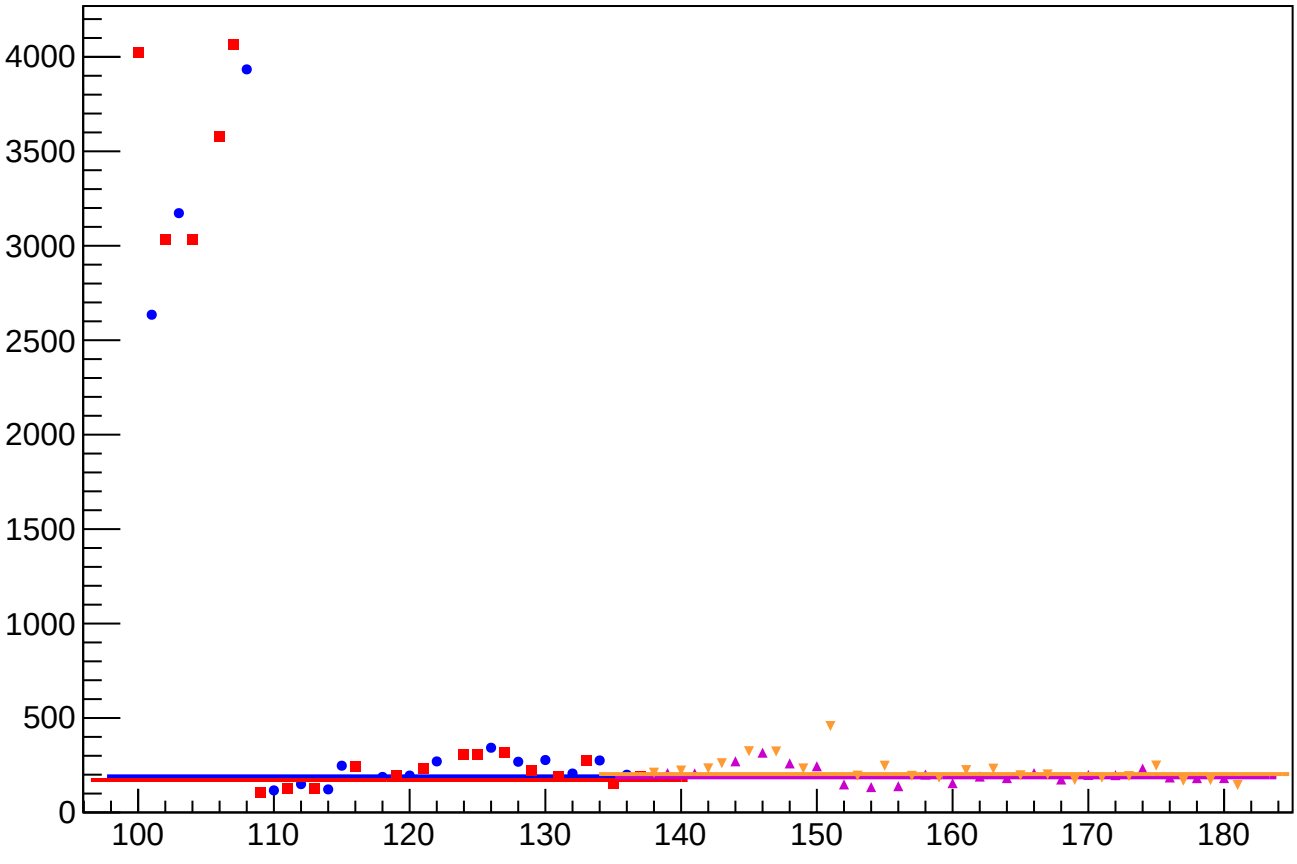
Right Out: 118.063+/-77.862 χ^2/NDF: 14.4/18

Left In: -121.757+/-46.715 χ^2/NDF:8.1/20

\+ sign 71.077+/-42.530 χ^2/NDF: 29.3/38

All: 2.531+/-29.160 χ^2/NDF: 63.7/78

\- sign -58.280+/-40.058 χ^2/NDF: 29.5/39



Right In: 191.070+/-0.060 χ^2/NDF: 3833952.4/15

Left Out: 203.155+/-0.035 χ^2/NDF:1719329.2/22

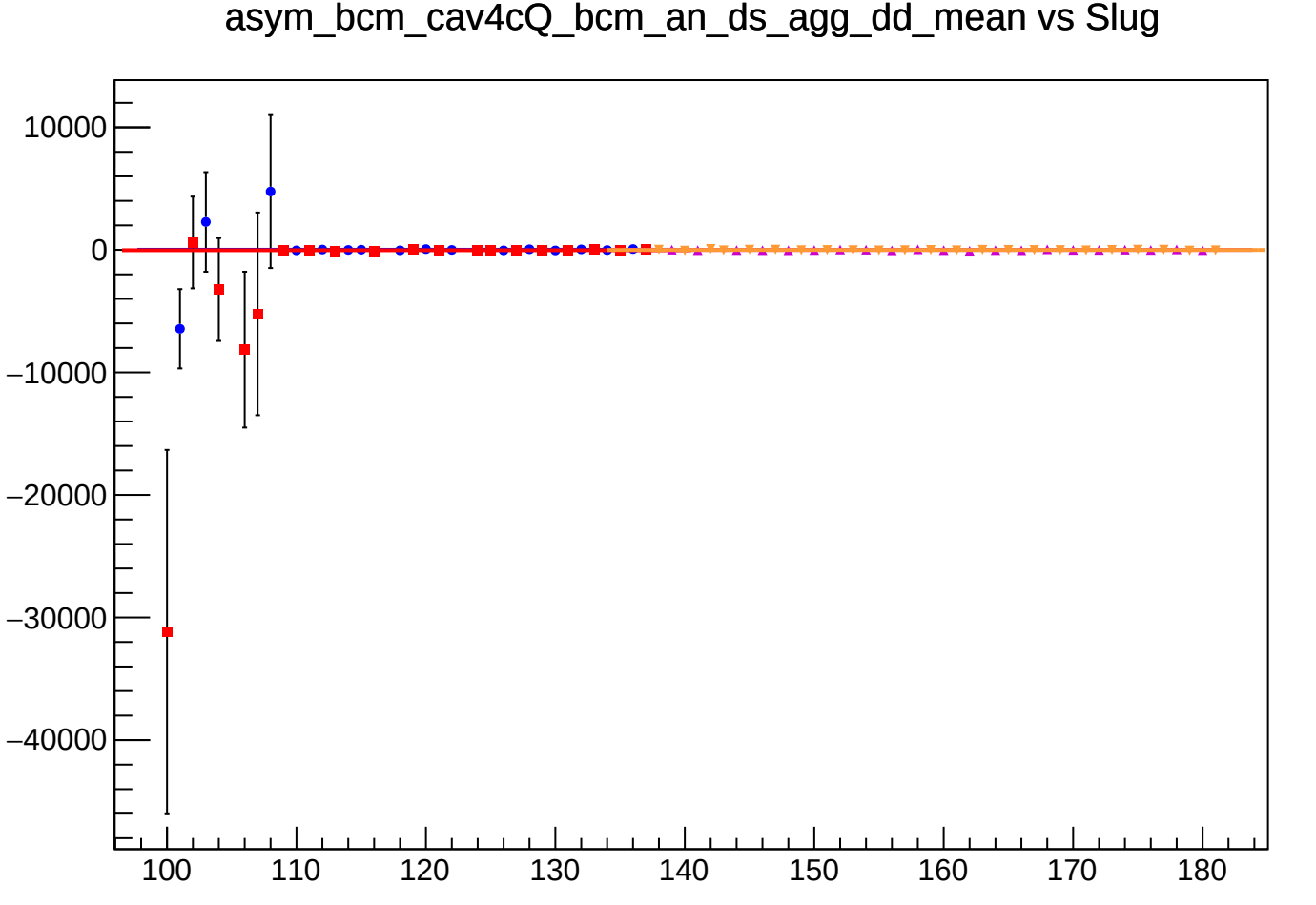
Right Out: 171.835+/-0.055 χ^2/NDF: 4314721.8/18

Left In: 185.888+/-0.033 χ^2/NDF:1406613.2/20

+ sign 200.090+/-0.030 χ^2/NDF: 5583849.5/38

All: 190.593+/-0.021 χ^2/NDF: 11541285.6/78

- sign 182.168+/-0.028 χ^2/NDF: 5769237.1/39



Right In: 6.490+/-11.764 χ^2/NDF: 18.3/15

Left Out: -10.262+/-6.728 χ^2/NDF:16.4/22

Right Out: -30.962+/-11.902 χ^2/NDF: 19.9/18

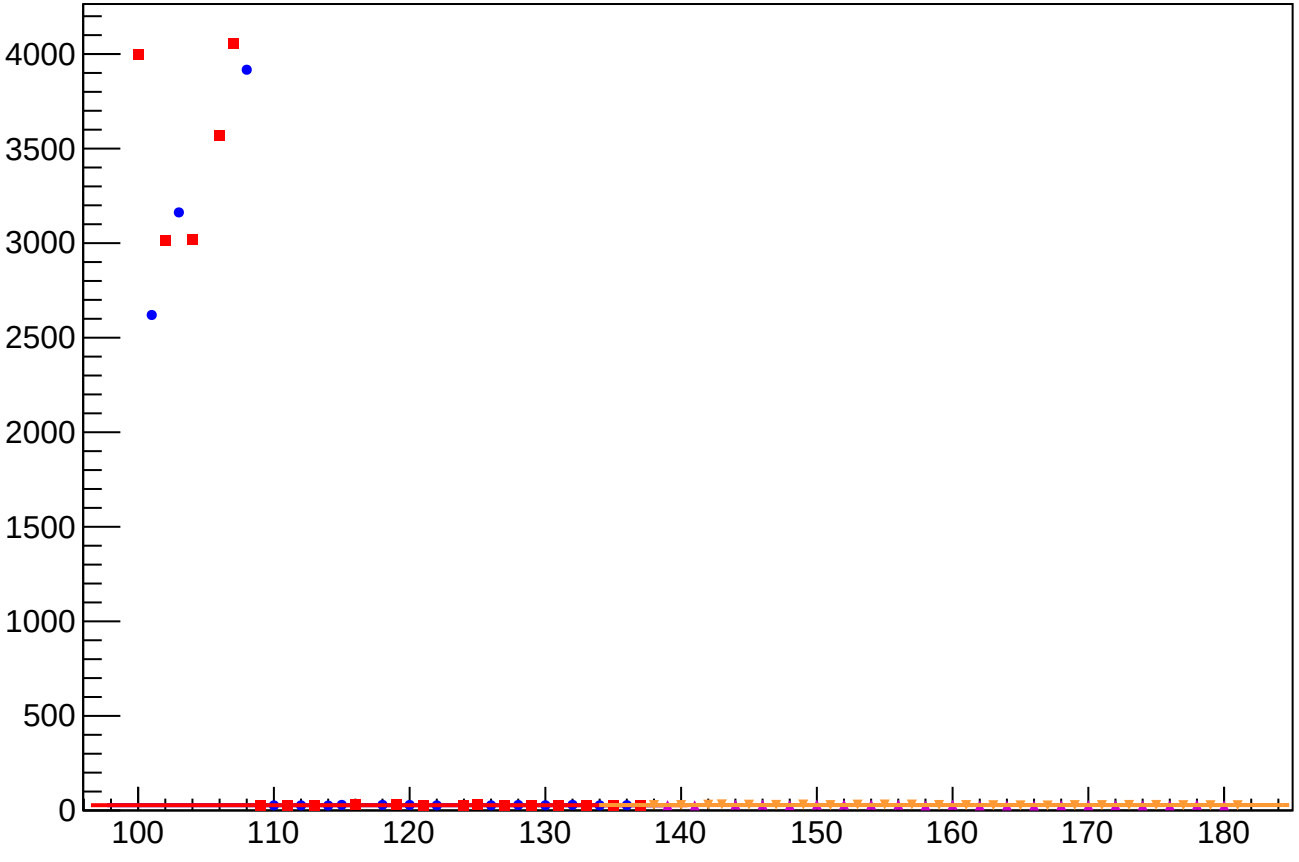
Left In: -5.610+/-6.939 χ^2/NDF:18.6/20

+ sign -6.133+/-5.840 χ^2/NDF: 36.2/38

All: -9.010+/-4.183 χ^2/NDF: 78.5/78

- sign -12.042+/-5.995 χ^2/NDF: 41.9/39

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: 28.715+/-0.005 χ^2/NDF:98814.1/22

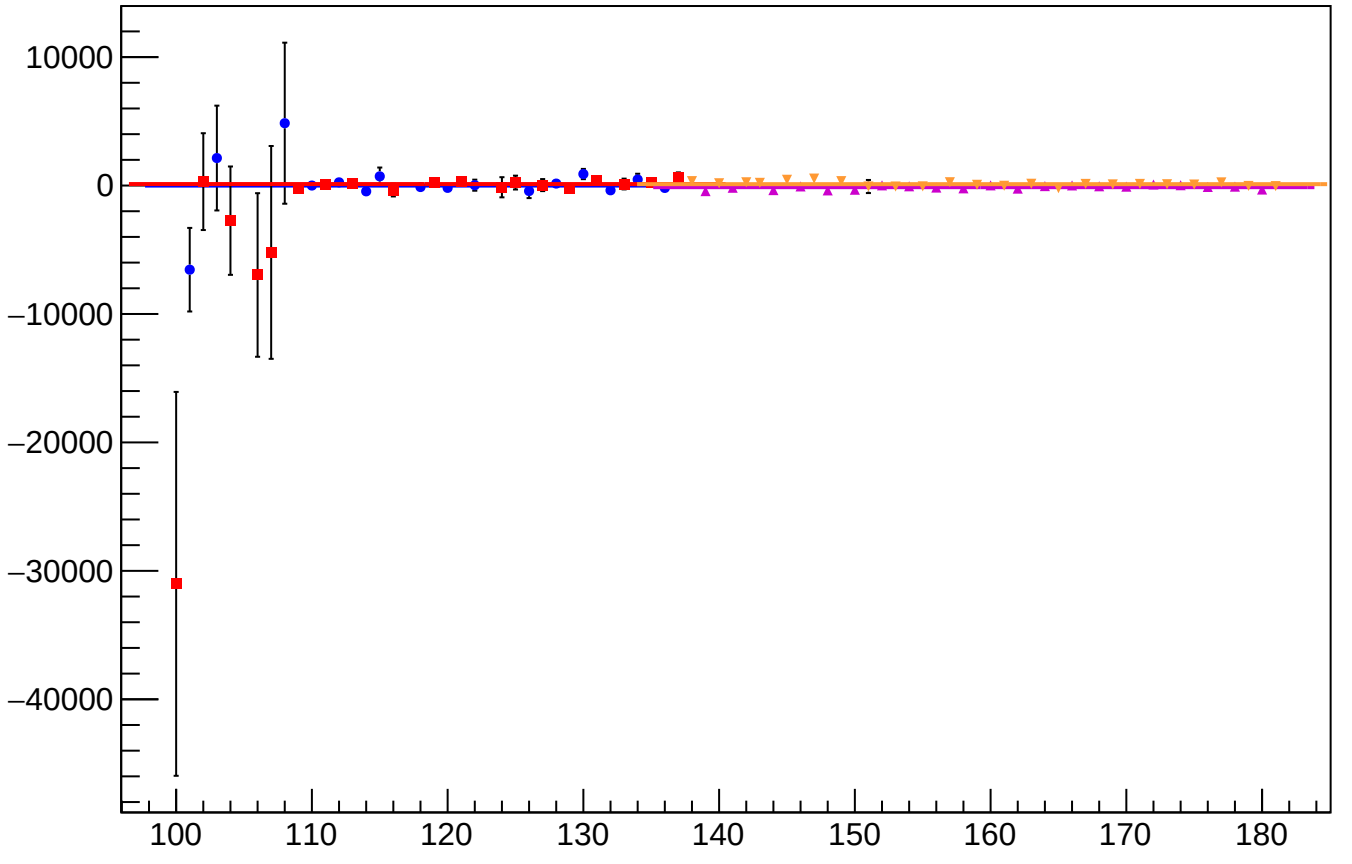
Right Out: 27.754+/-0.008 χ^2/NDF: 3558676.9/18

Left In: 28.716+/-0.005 χ^2/NDF:127183.7/20

+ sign 28.496+/-0.004 χ^2/NDF: 3373345.7/38

All: 28.484+/-0.003 χ^2/NDF: 7068975.6/78

- sign 28.471+/-0.004 χ^2/NDF: 3695612.9/39



Right In: -2.795+/-85.508 χ^2/NDF: 18.2/15

Left Out: 107.129+/-49.697 χ^2/NDF:9.9/22

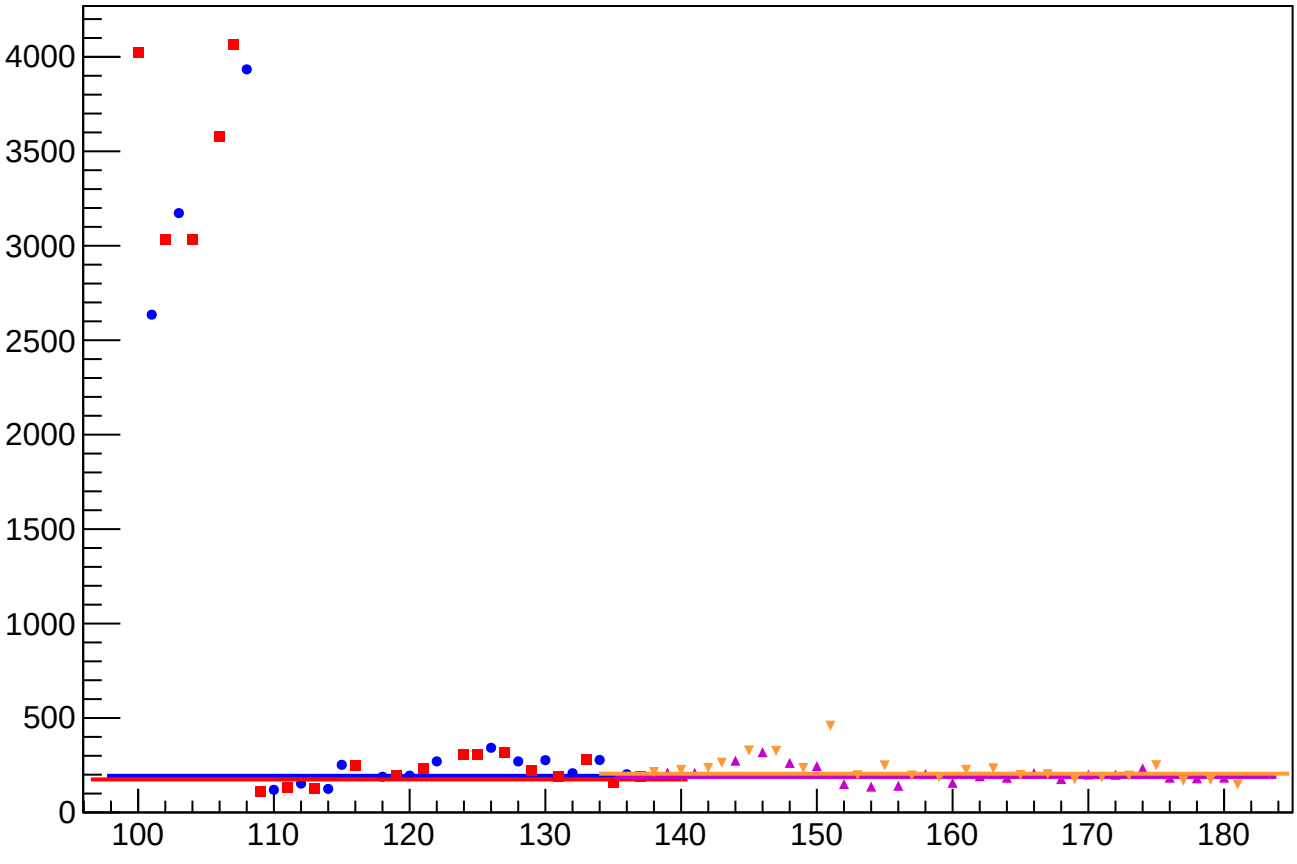
Right Out: 115.753+/-78.952 χ^2/NDF: 13.8/18

Left In: -126.598+/-47.201 χ^2/NDF:8.2/20

+ sign 79.373+/-42.967 χ^2/NDF: 29.4/38

All: 4.118+/-29.476 χ^2/NDF: 64.1/78

- sign -62.786+/-40.513 χ^2/NDF: 29.0/39



Right In: 193.946+/-0.060 χ^2/NDF: 3784467.5/15

Left Out: 205.176+/-0.035 χ^2/NDF:1706606.4/22

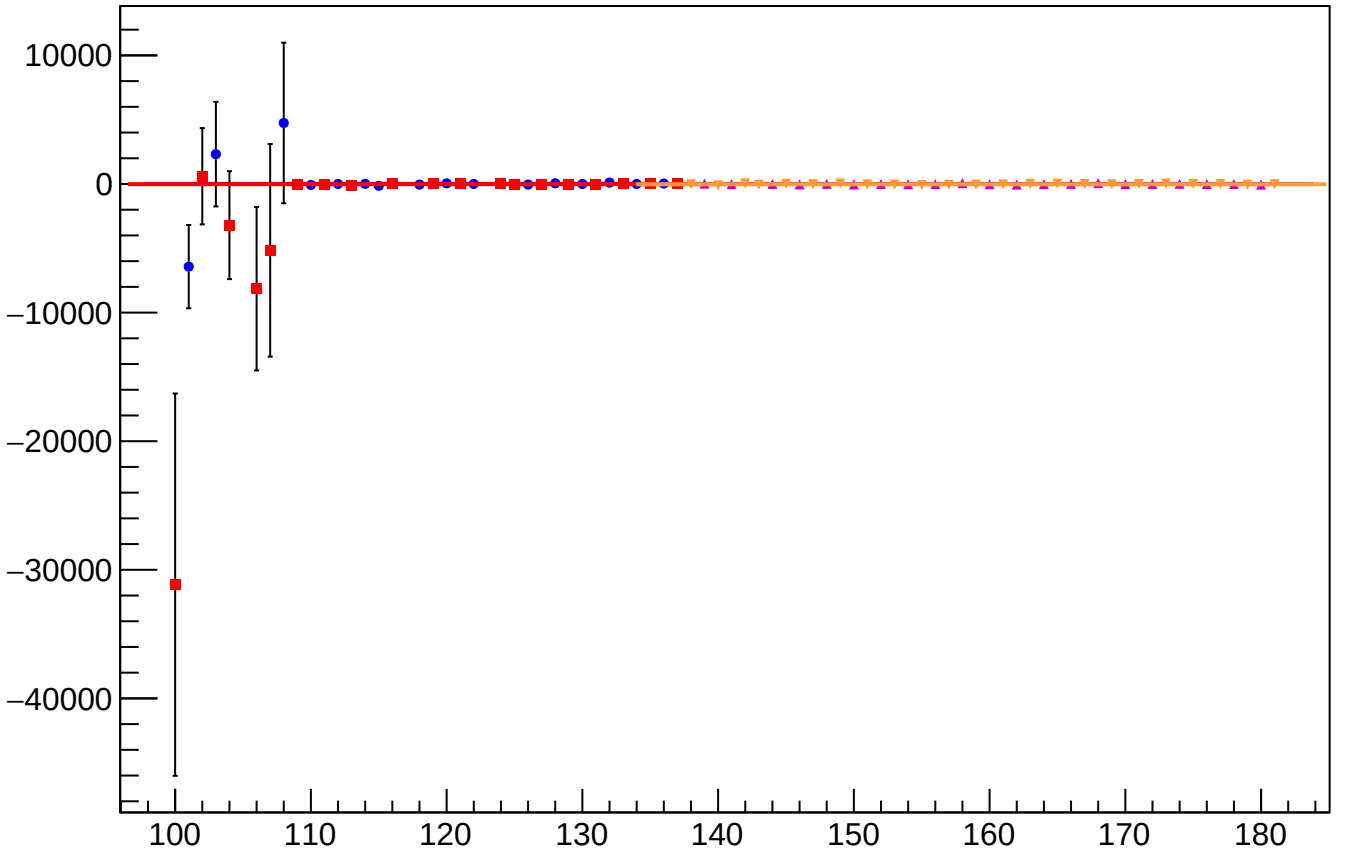
Right Out: 174.779+/-0.056 χ^2/NDF: 4259323.6/18

Left In: 187.955+/-0.033 χ^2/NDF:1377042.0/20

+ sign 202.341+/-0.030 χ^2/NDF: 5516860.7/38

All: 192.889+/-0.021 χ^2/NDF: 11377082.1/78

- sign 184.486+/-0.029 χ^2/NDF: 5677400.9/39



Right In: 5.660+/-14.306 χ^2/NDF: 17.5/15

Left Out: -23.345+/-8.049 χ^2/NDF:21.6/22

Right Out: -10.003+/-14.433 χ^2/NDF: 23.4/18

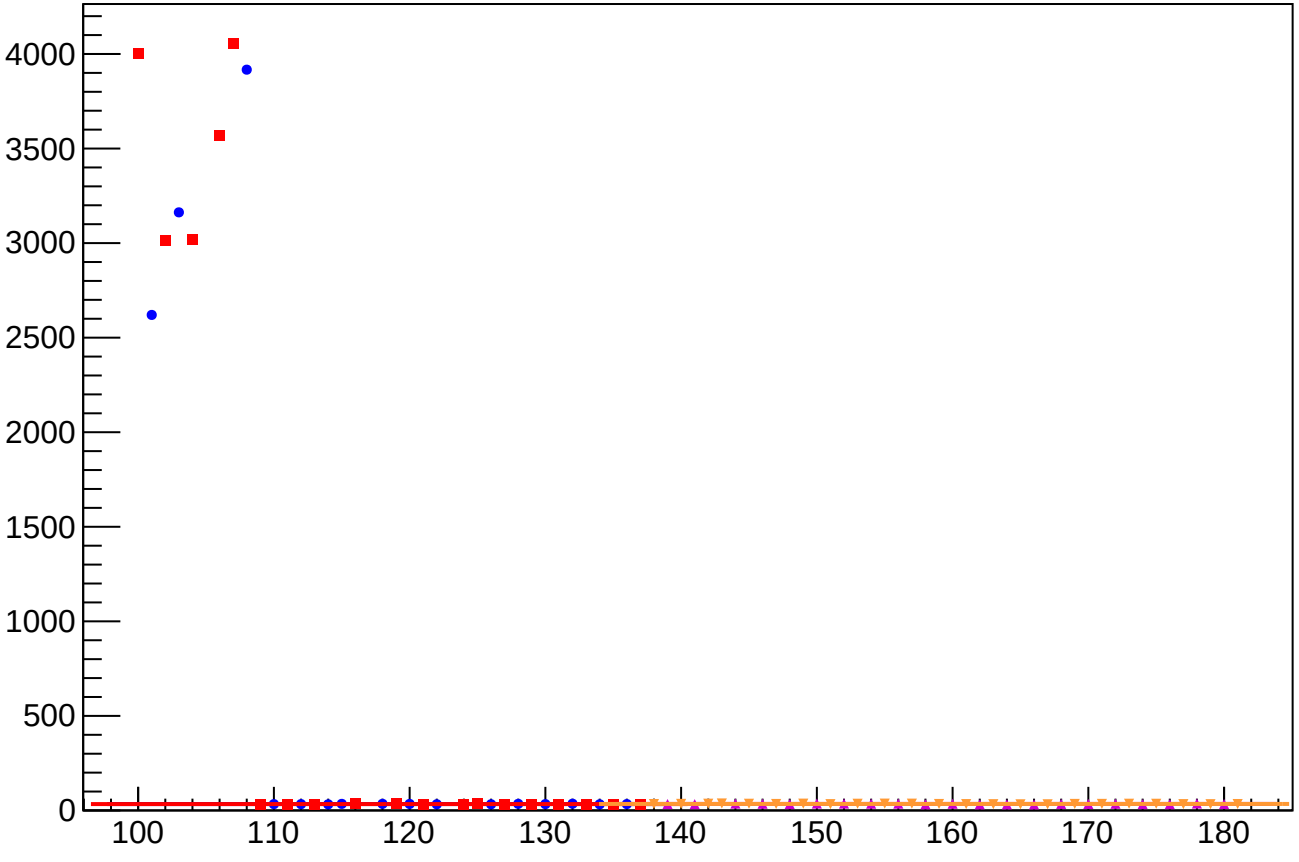
Left In: -0.103+/-8.324 χ^2/NDF:14.1/20

+ sign -16.371+/-7.015 χ^2/NDF: 42.2/38

All: -9.662+/-5.028 χ^2/NDF: 82.0/78

- sign -2.574+/-7.210 χ^2/NDF: 37.9/39

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: 34.406+/-0.006 χ^2/NDF:44056.6/22

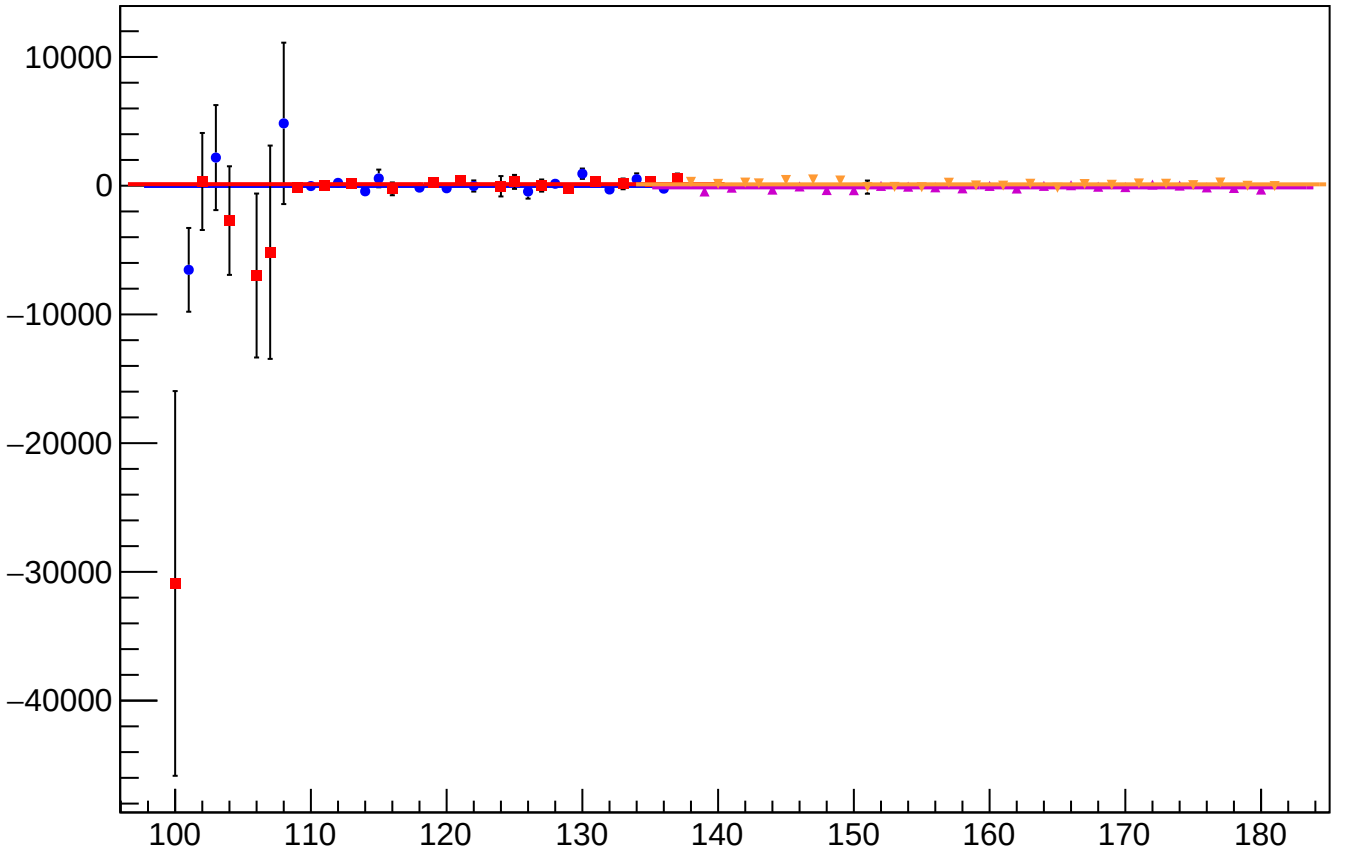
Right Out: 33.726+/-0.010 χ^2/NDF: 3526463.8/18

Left In: 34.506+/-0.006 χ^2/NDF:58118.3/20

+ sign 34.284+/-0.005 χ^2/NDF: 3290346.0/38

All: 34.297+/-0.004 χ^2/NDF: 6879320.3/78

- sign 34.311+/-0.005 χ^2/NDF: 3588960.3/39



Right In: -19.522+/-85.063 χ^2/NDF: 18.2/15

Left Out: 105.808+/-49.645 χ^2/NDF:9.4/22

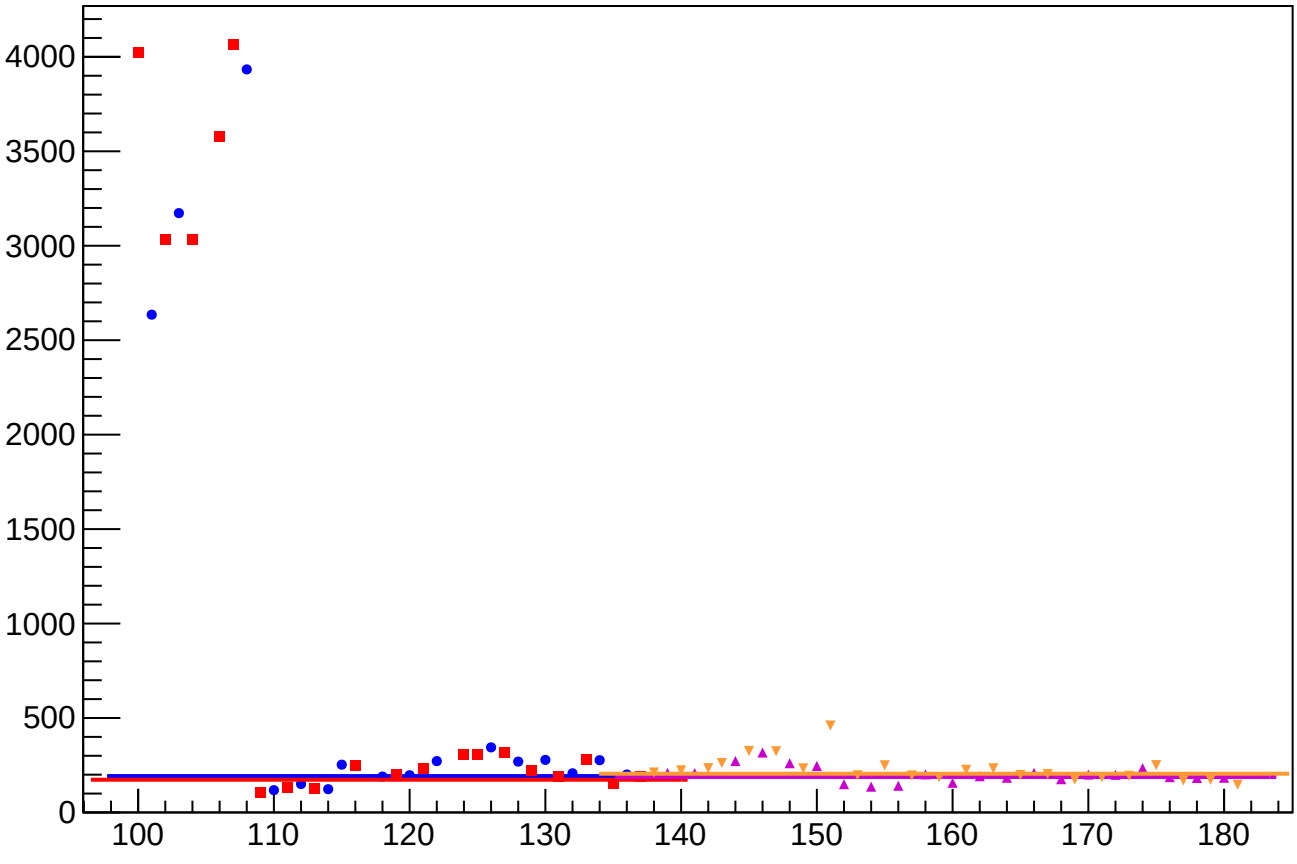
Right Out: 119.922+/-78.455 χ^2/NDF: 13.3/18

Left In: -131.380+/-47.144 χ^2/NDF:7.4/20

+ sign 73.964+/-42.877 χ^2/NDF: 29.2/38

All: 0.521+/-29.407 χ^2/NDF: 63.0/78

- sign -64.712+/-40.409 χ^2/NDF: 28.3/39



Right In: 192.560+/-0.060 χ^2/NDF: 3822789.1/15

Left Out: 204.977+/-0.035 χ^2/NDF:1695409.7/22

Right Out: 173.249+/-0.055 χ^2/NDF: 4307420.2/18

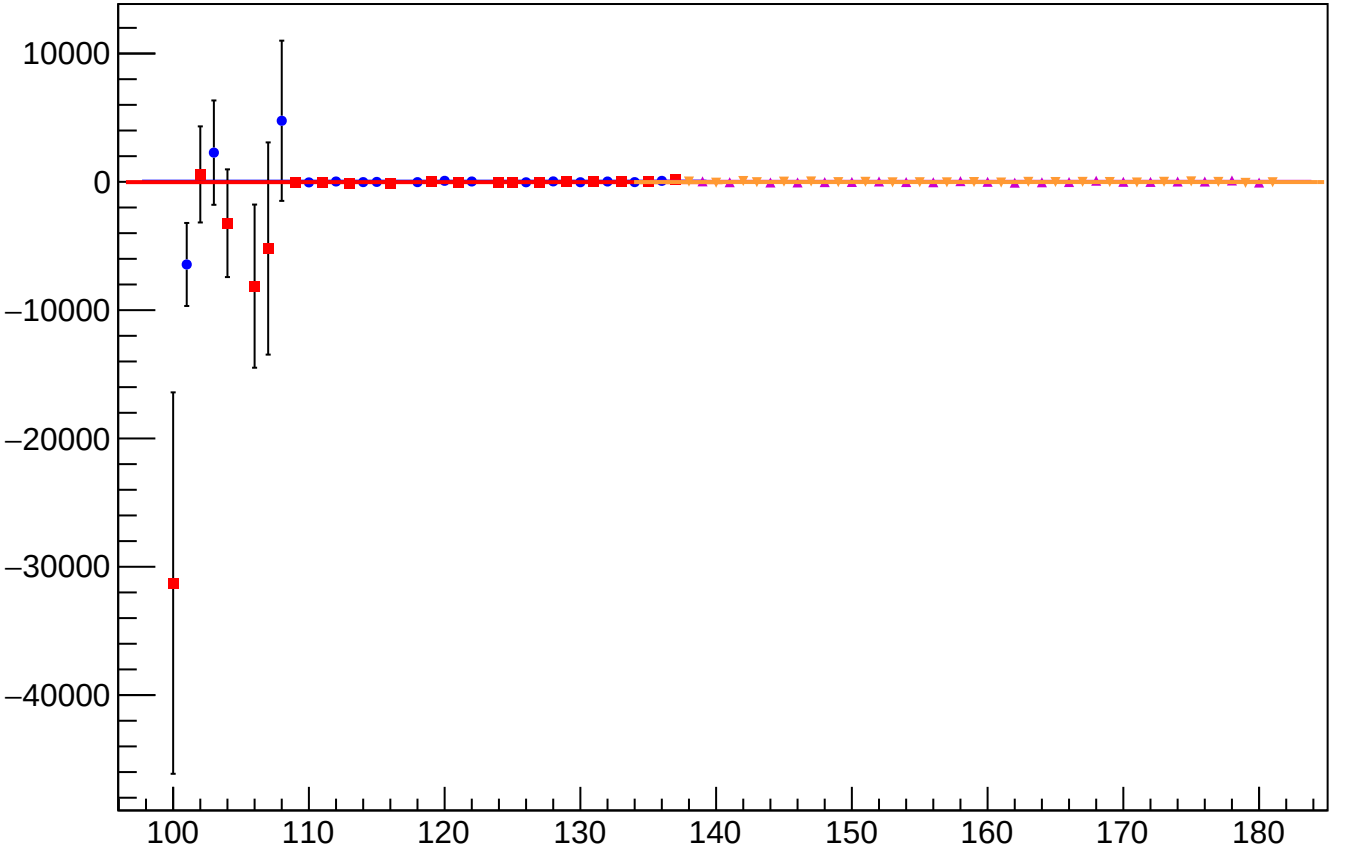
Left In: 187.728+/-0.033 χ^2/NDF:1366568.3/20

+ sign 201.822+/-0.030 χ^2/NDF: 5549988.3/38

All: 192.323+/-0.021 χ^2/NDF: 11459361.5/78

- sign 183.887+/-0.029 χ^2/NDF: 5724033.7/39

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 13.713+/-13.062 χ^2/NDF: 15.5/15

Left Out: -17.241+/-7.333 χ^2/NDF:19.1/22

Right Out: -23.230+/-13.181 χ^2/NDF: 28.7/18

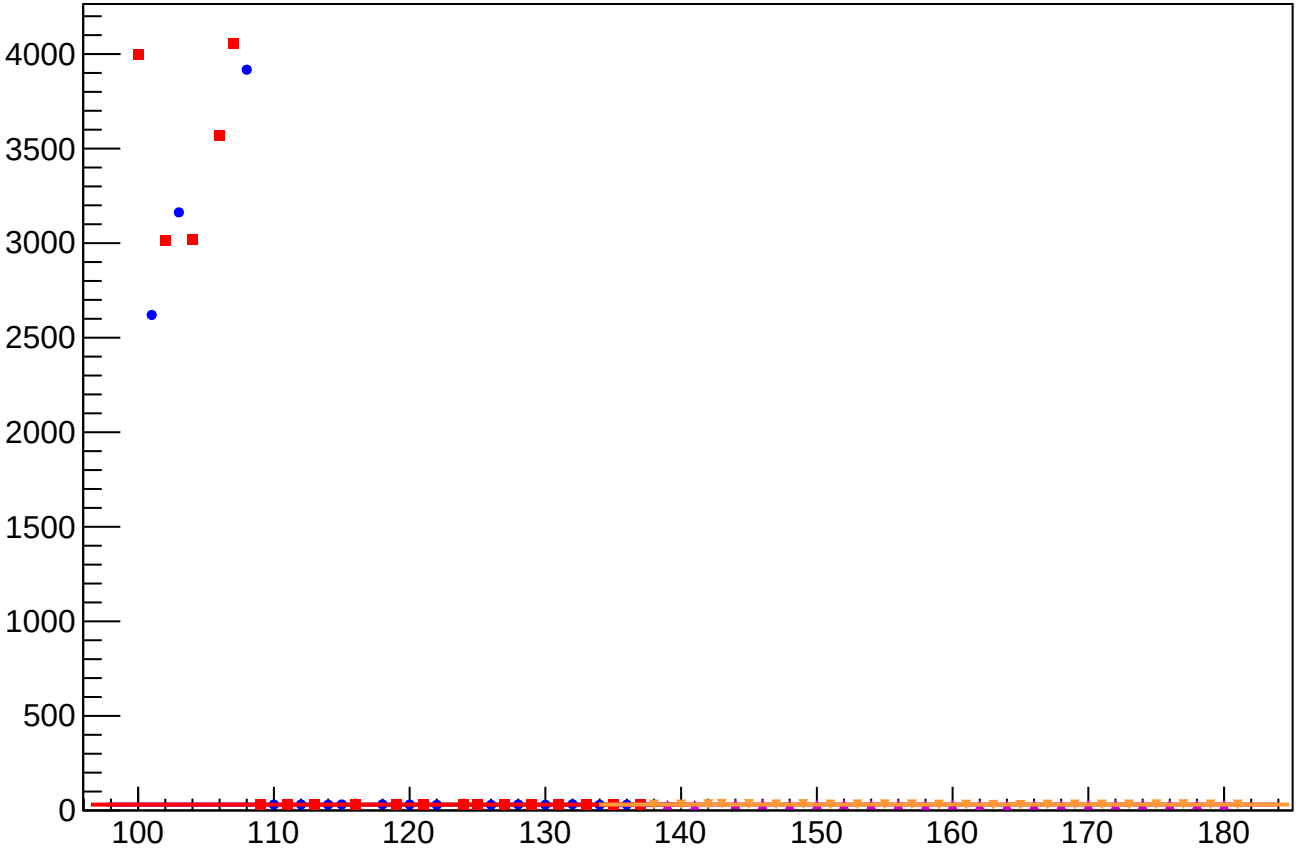
Left In: 1.605+/-7.566 χ^2/NDF:34.9/20

+ sign -9.823+/-6.394 χ^2/NDF: 38.8/38

All: -7.255+/-4.580 χ^2/NDF: 105.4/78

- sign -4.550+/-6.562 χ^2/NDF: 66.2/39

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: 31.324+/-0.005 χ^2/NDF:62732.8/22

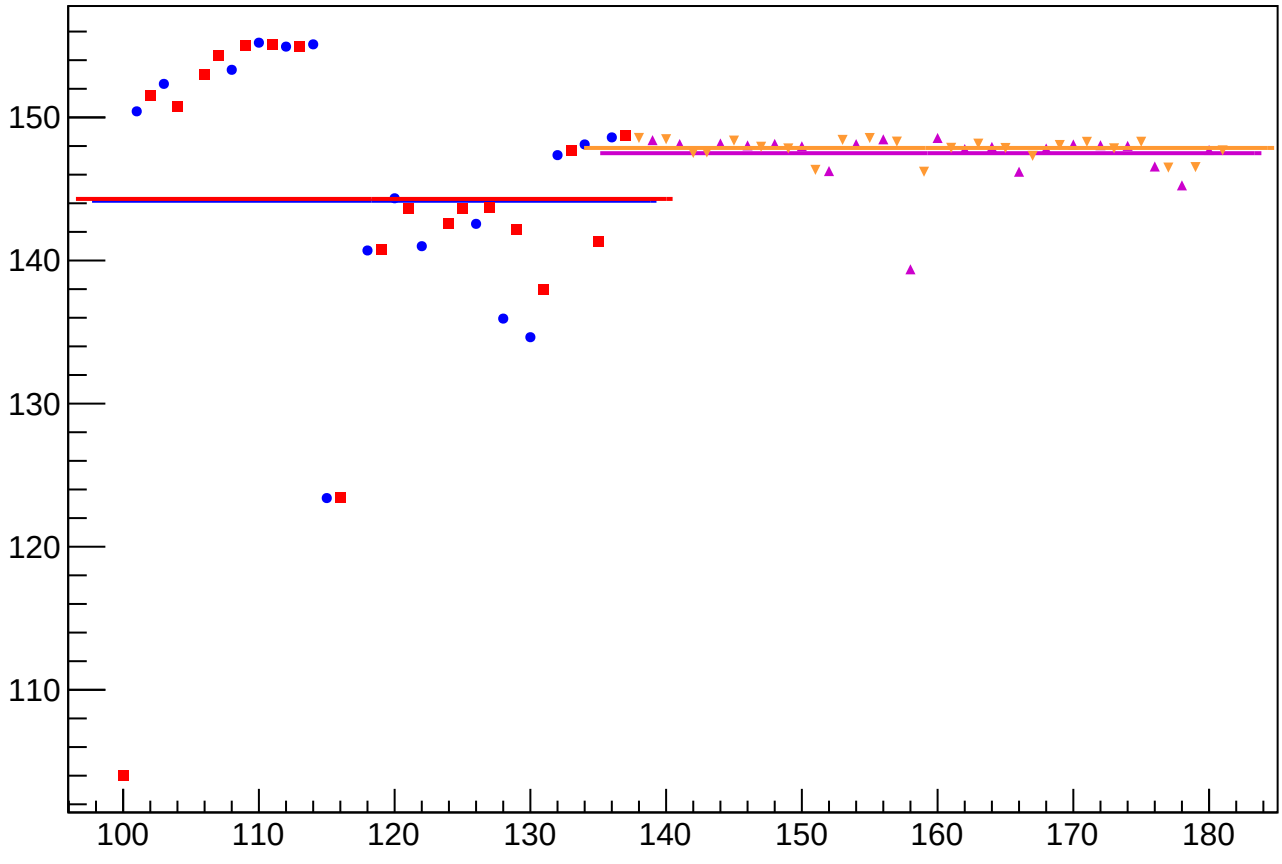
Right Out: 30.777+/-0.009 χ^2/NDF: 3536234.6/18

Left In: 31.336+/-0.005 χ^2/NDF:83979.6/20

+ sign 31.229+/-0.005 χ^2/NDF: 3316735.8/38

All: 31.214+/-0.003 χ^2/NDF: 6939677.4/78

- sign 31.197+/-0.005 χ^2/NDF: 3622917.3/39



Right In: 144.176+/-0.000 χ^2/NDF: 3724747268.7/15

Left Out: 147.867+/-0.000 χ^2/NDF:44889484.4/22

Right Out: 144.304+/-0.000 χ^2/NDF: 4264494940.7/18

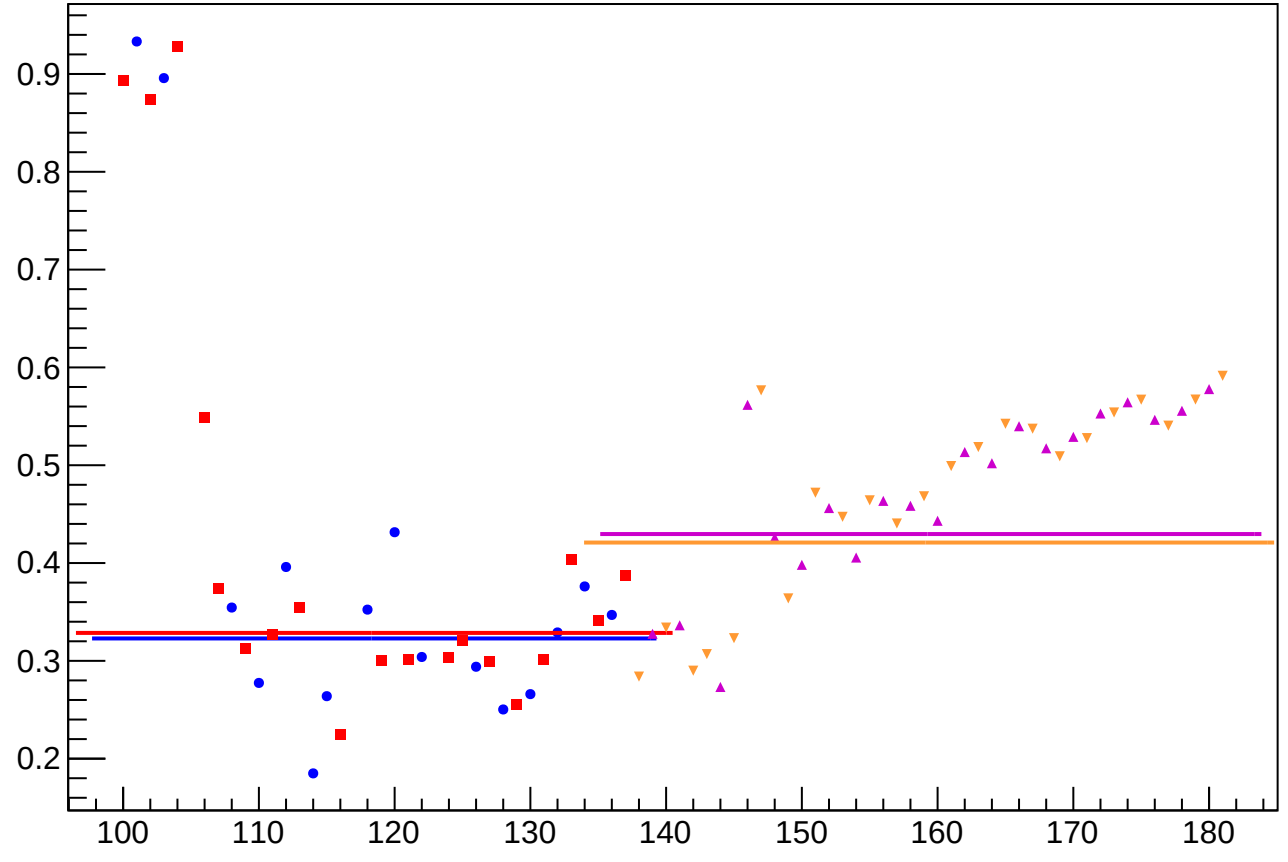
Left In: 147.500+/-0.000 χ^2/NDF:306158788.7/20

+ sign 146.475+/-0.000 χ^2/NDF: 4253766279.4/38

All: 146.357+/-0.000 χ^2/NDF: 9176717290.3

- sign 146.233+/-0.000 χ^2/NDF: 4918663088.5/39

yield_bcm_target_rms vs Slug



Right In: 0.323+/-0.000 χ^2/NDF: 1396024.1/15

Left Out: 0.421+/-0.000 χ^2/NDF:2061120.5/22

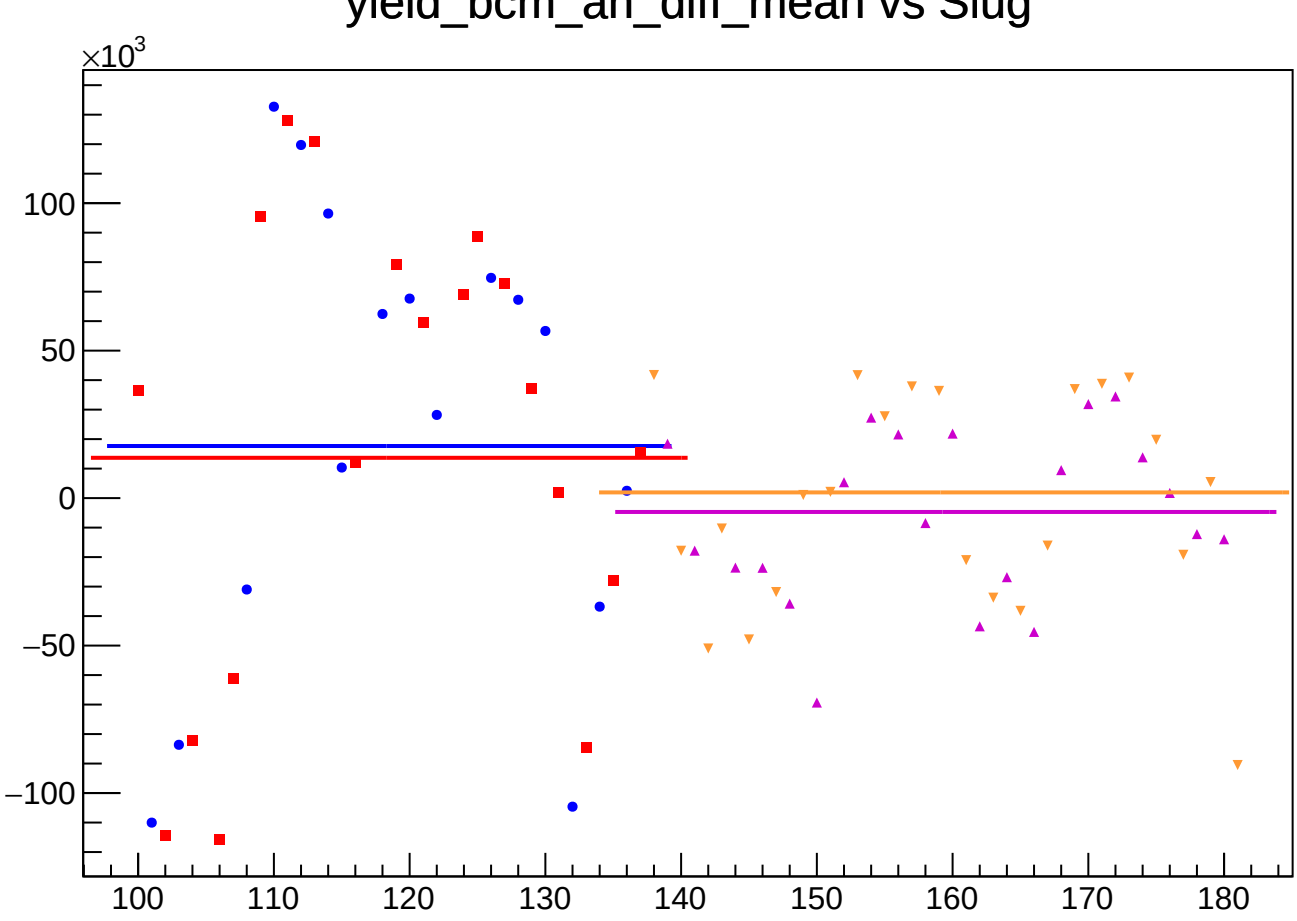
Right Out: 0.329+/-0.000 χ^2/NDF: 1304148.7/18

Left In: 0.430+/-0.000 χ^2/NDF:1641692.8/20

+ sign 0.384+/-0.000 χ^2/NDF: 4140793.9/38

All: 0.387+/-0.000 χ^2/NDF: 7787427.4/78

- sign 0.390+/-0.000 χ^2/NDF: 3642042.9/39



Right In: 17663.790+/-2.006 χ^2/NDF: 1398738701.8/15

Left Out: 1932.446+/-1.148 χ^2/NDF:907770106.8/22

Right Out: 13666.312+/-1.925 χ^2/NDF: 1856962869.6/18

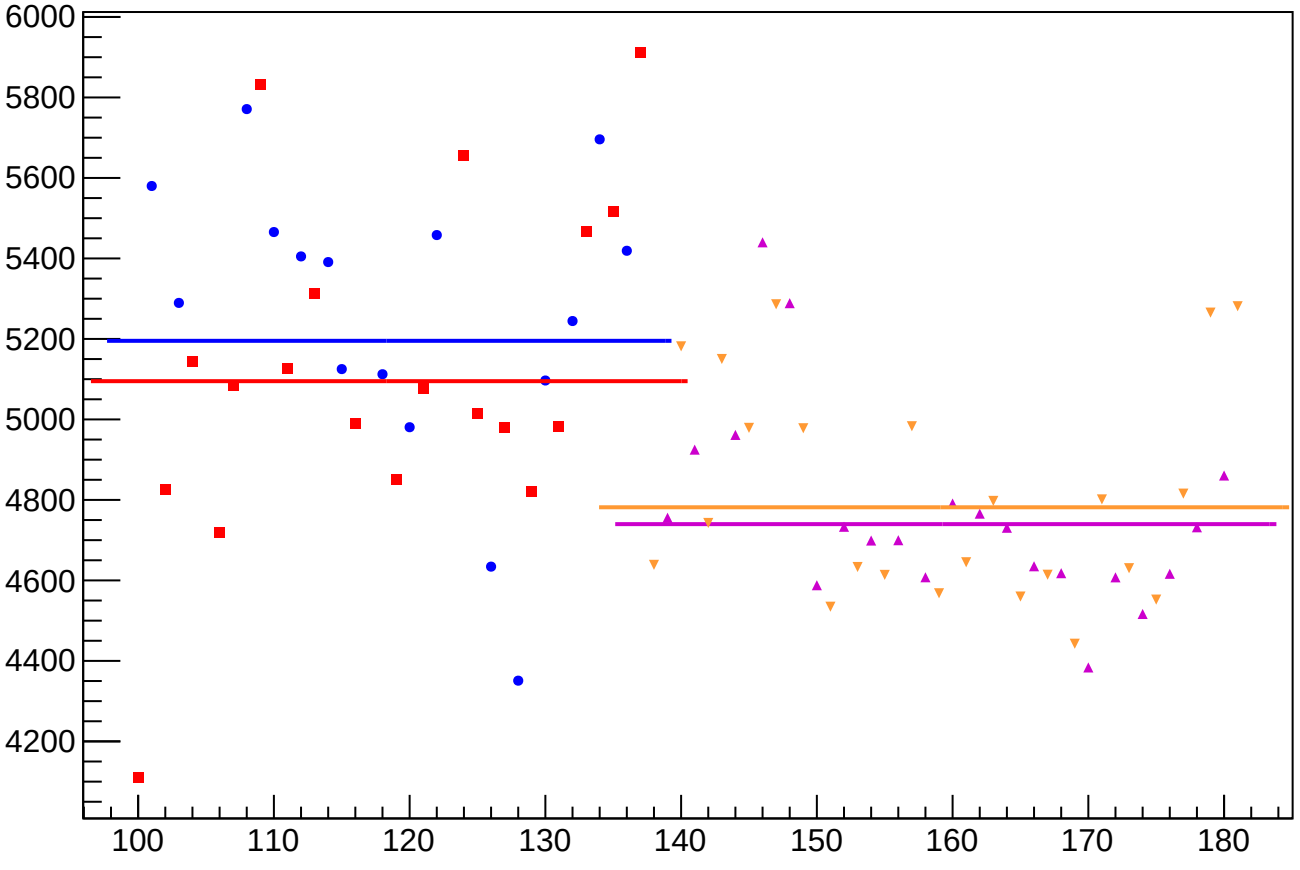
Left In: -4696.678+/-1.169 χ^2/NDF:587132078.3/20

+ sign 5816.184+/-0.996 χ^2/NDF: 2352847115.3/38

All: 3041.354+/-0.706 χ^2/NDF: 4878975563.

- sign 251.335+/-0.999 χ^2/NDF: 2510577774.3/39

yield_bcm_an_diff_rms vs Slug



Right In: 5195.298+/-1.418 χ^2/NDF: 77166.0/15

Left Out: 4781.699+/-0.812 χ^2/NDF:97618.5/22

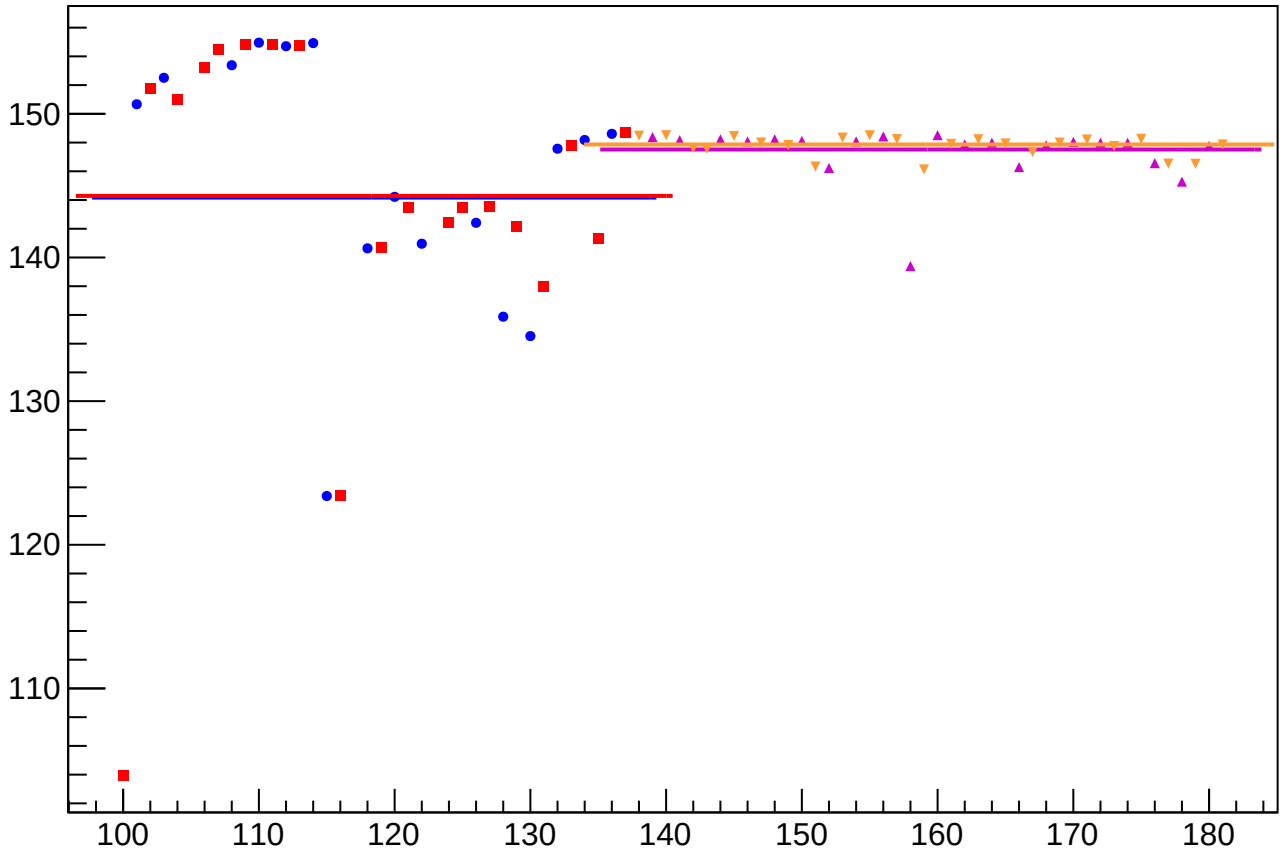
Right Out: 5095.047+/-1.361 χ^2/NDF: 59112.0/18

Left In: 4739.831+/-0.827 χ^2/NDF:72167.7/20

+ sign 4883.808+/-0.705 χ^2/NDF: 238846.3/38

All: 4859.743+/-0.499 χ^2/NDF: 422220.4/78

- sign 4835.546+/-0.707 χ^2/NDF: 181034.8/39



Right In: 144.172+/-0.000 χ^2/NDF: 3764836520.0/15

Left Out: 147.867+/-0.000 χ^2/NDF:44452454.0/22

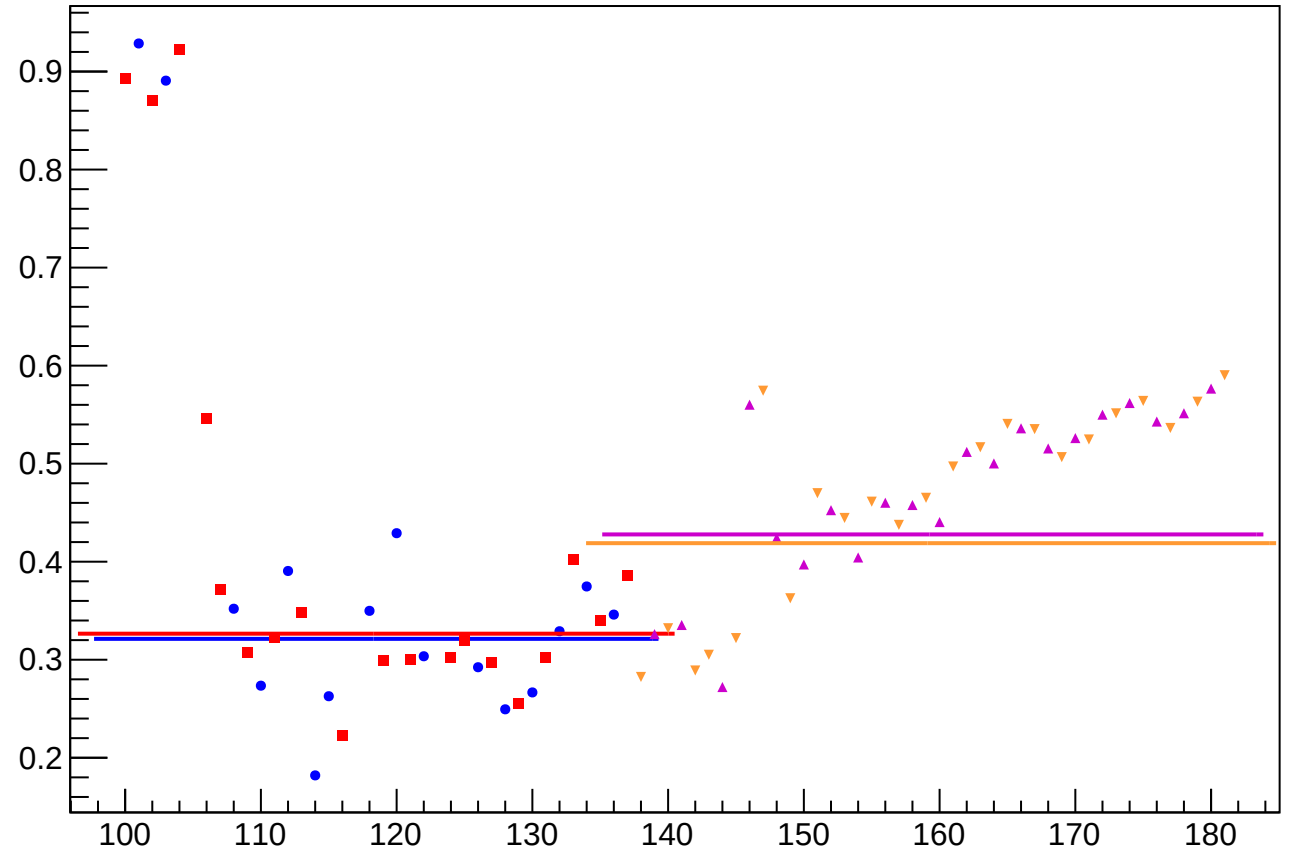
Right Out: 144.286+/-0.000 χ^2/NDF: 4290223847.7/18

Left In: 147.517+/-0.000 χ^2/NDF:306602131.0/20

+ sign 146.473+/-0.000 χ^2/NDF: 4299527930.9/38

All: 146.357+/-0.000 χ^2/NDF: 9259909673.2

- sign 146.233+/-0.000 χ^2/NDF: 4956109194.2/39



Right In: 0.321+/-0.000 χ^2/NDF: 1396250.7/15

Left Out: 0.419+/-0.000 χ^2/NDF:2060178.4/22

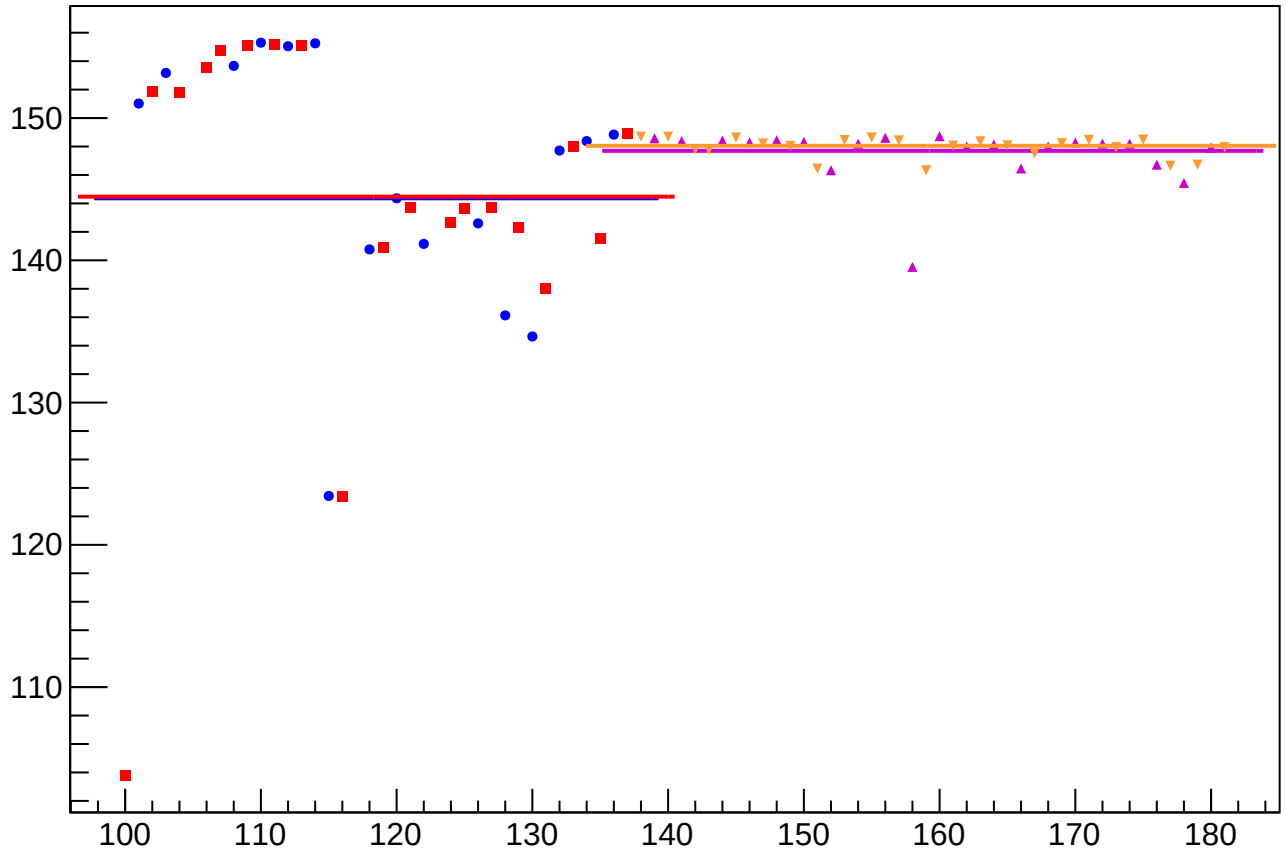
Right Out: 0.327+/-0.000 χ^2/NDF: 1302732.4/18

Left In: 0.428+/-0.000 χ^2/NDF:1636481.5/20

+ sign 0.382+/-0.000 χ^2/NDF: 4140409.6/38

All: 0.385+/-0.000 χ^2/NDF: 7790236.3/78

- sign 0.388+/-0.000 χ^2/NDF: 3645338.9/39



Right In: 144.361+/-0.000 χ^2/NDF: 3758625293.6/15

Left Out: 148.048+/-0.000 χ^2/NDF:44895834.2/22

Right Out: 144.475+/-0.000 χ^2/NDF: 4281975463.8/18

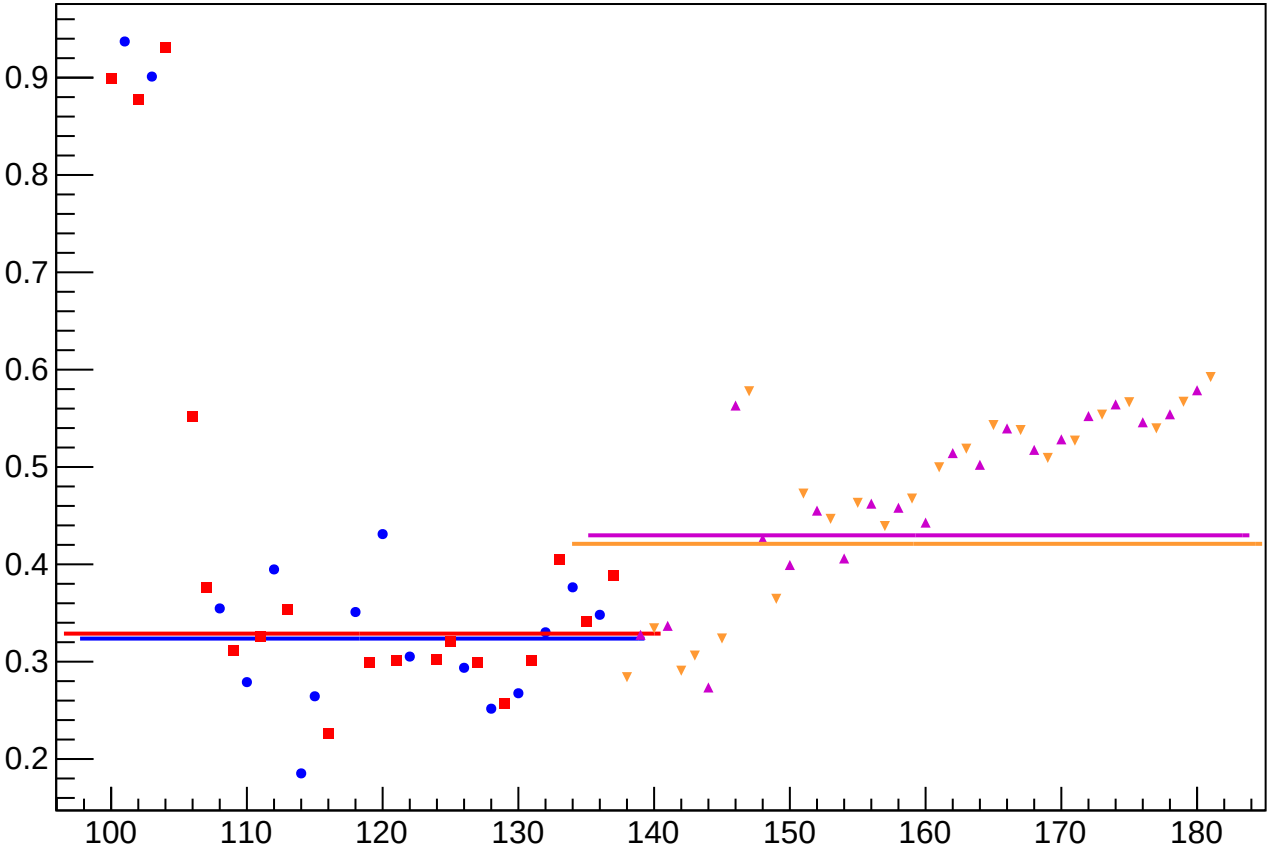
Left In: 147.696+/-0.000 χ^2/NDF:311360168.1/20

+ sign 146.661+/-0.000 χ^2/NDF: 4285456915.5/38

All: 146.544+/-0.000 χ^2/NDF: 9236210272.7

- sign 146.419+/-0.000 χ^2/NDF: 4946472159.9/39

yield_bcm_an_ds3_rms vs Slug



Right In: 0.324+/-0.000 χ^2/NDF: 1392377.9/15

Left Out: 0.421+/-0.000 χ^2/NDF:2057220.7/22

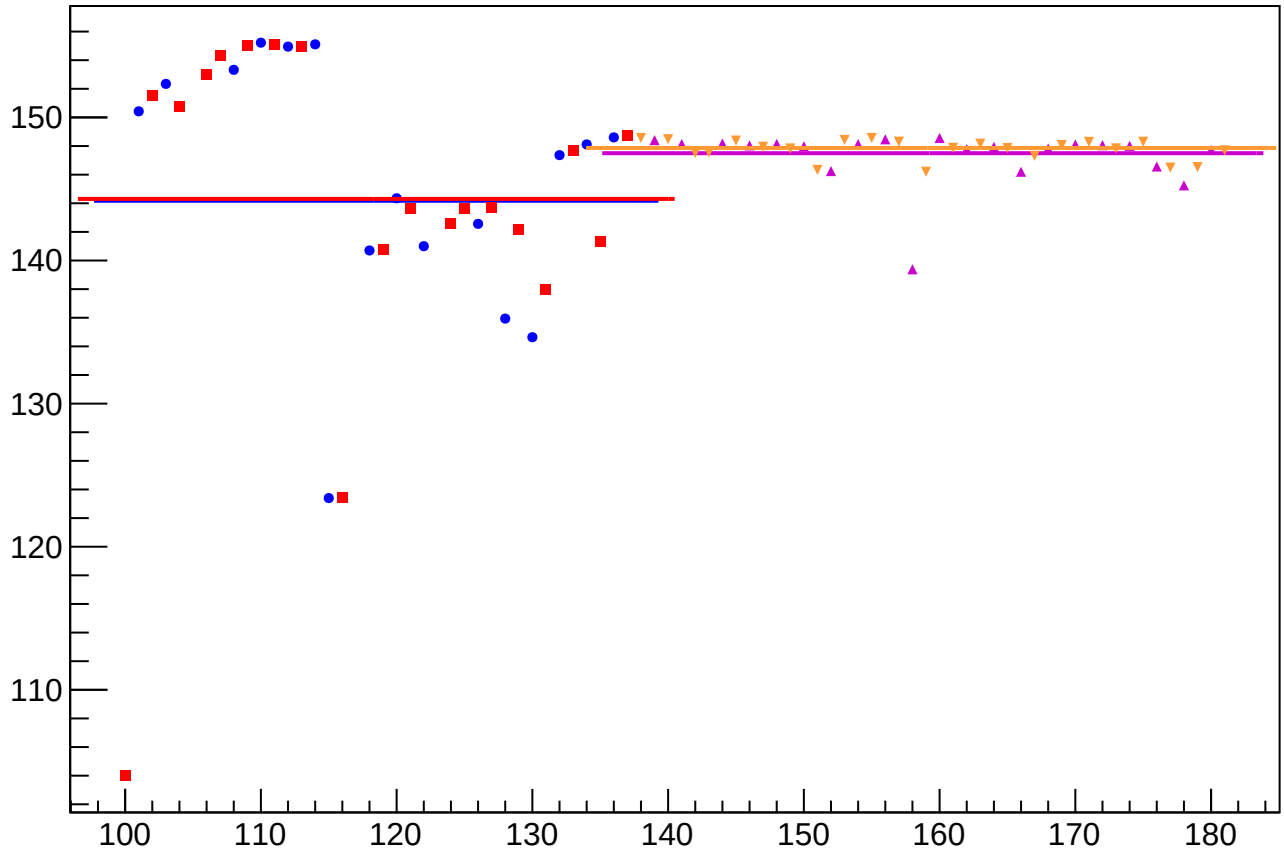
Right Out: 0.329+/-0.000 χ^2/NDF: 1303222.2/18

Left In: 0.430+/-0.000 χ^2/NDF:1635201.6/20

+ sign 0.384+/-0.000 χ^2/NDF: 4121301.5/38

All: 0.387+/-0.000 χ^2/NDF: 7757833.9/78

- sign 0.390+/-0.000 χ^2/NDF: 3632354.7/39



Right In: 144.176+/-0.000 χ^2/NDF: 3724747268.7/15

Left Out: 147.867+/-0.000 χ^2/NDF:44889484.4/22

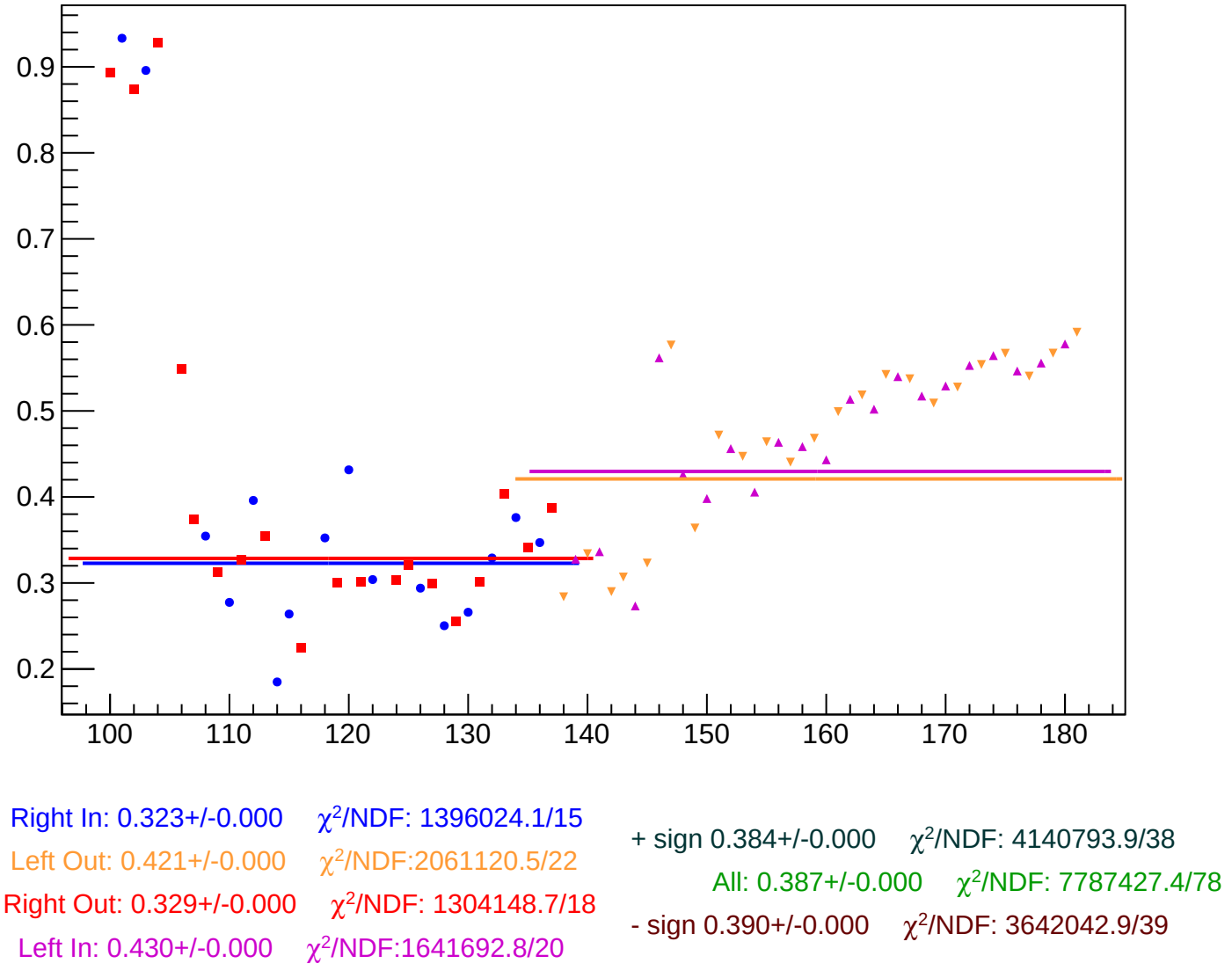
Right Out: 144.304+/-0.000 χ^2/NDF: 4264494940.7/18

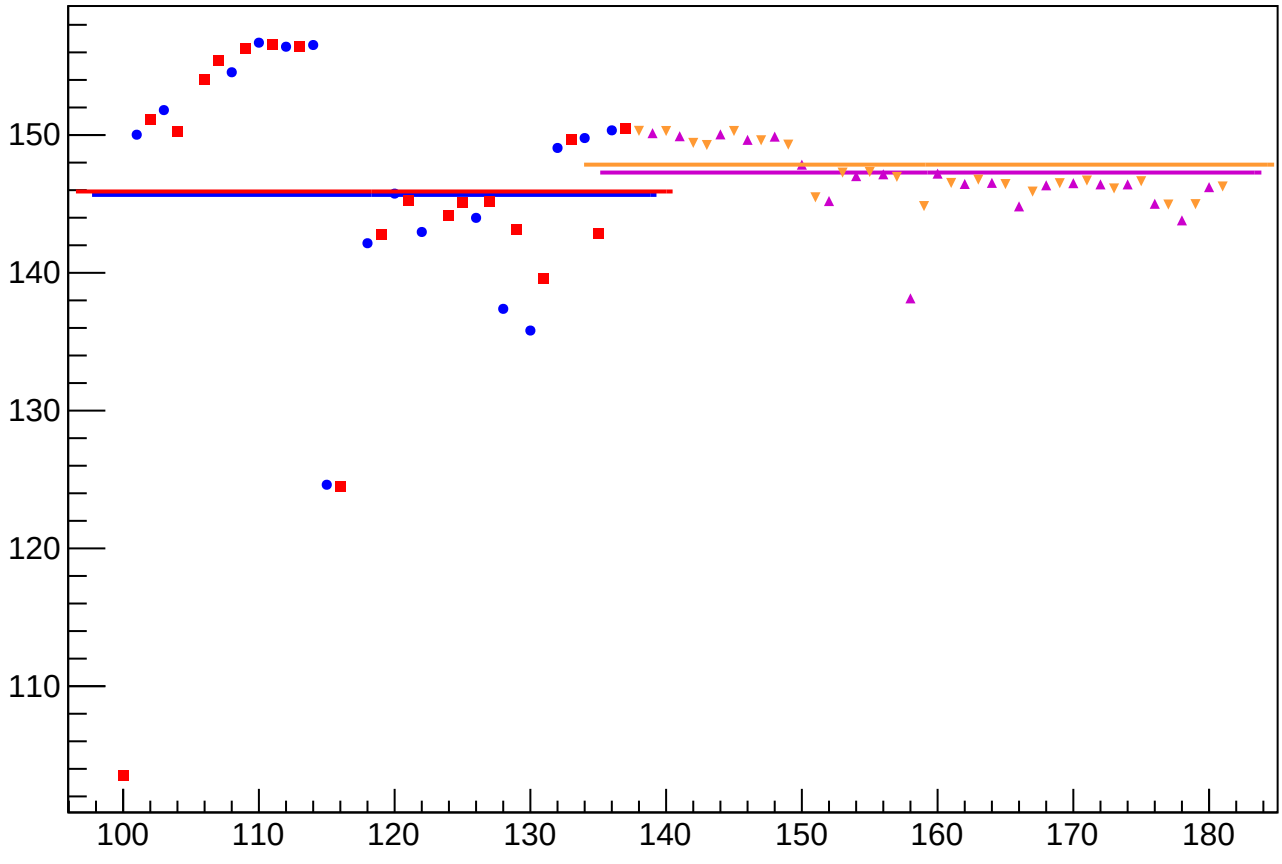
Left In: 147.500+/-0.000 χ^2/NDF:306158788.7/20

+ sign 146.475+/-0.000 χ^2/NDF: 4253766279.4/38

All: 146.357+/-0.000 χ^2/NDF: 9176717290.3

- sign 146.233+/-0.000 χ^2/NDF: 4918663088.5/39


yield_bcm_an_us_rms vs Slug
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
100
110
120
130
140
150
160
170
180
Right In: 0.323+/-0.000 χ²/NDF: 1396024.1/15
Left Out: 0.421+/-0.000 χ²/NDF:2061120.5/22
Right Out: 0.329+/-0.000 χ²/NDF: 1304148.7/18
Left In: 0.430+/-0.000 χ²/NDF:1641692.8/20
+ sign 0.384+/-0.000 χ²/NDF: 4140793.9/38
All: 0.387+/-0.000 χ²/NDF: 7787427.4/78
- sign 0.390+/-0.000 χ²/NDF: 3642042.9/39



Right In: 145.657+/-0.000 χ^2/NDF: 3481495345.2/15

Left Out: 147.852+/-0.000 χ^2/NDF:320405115.1/22

Right Out: 145.904+/-0.000 χ^2/NDF: 3863011865.2/18

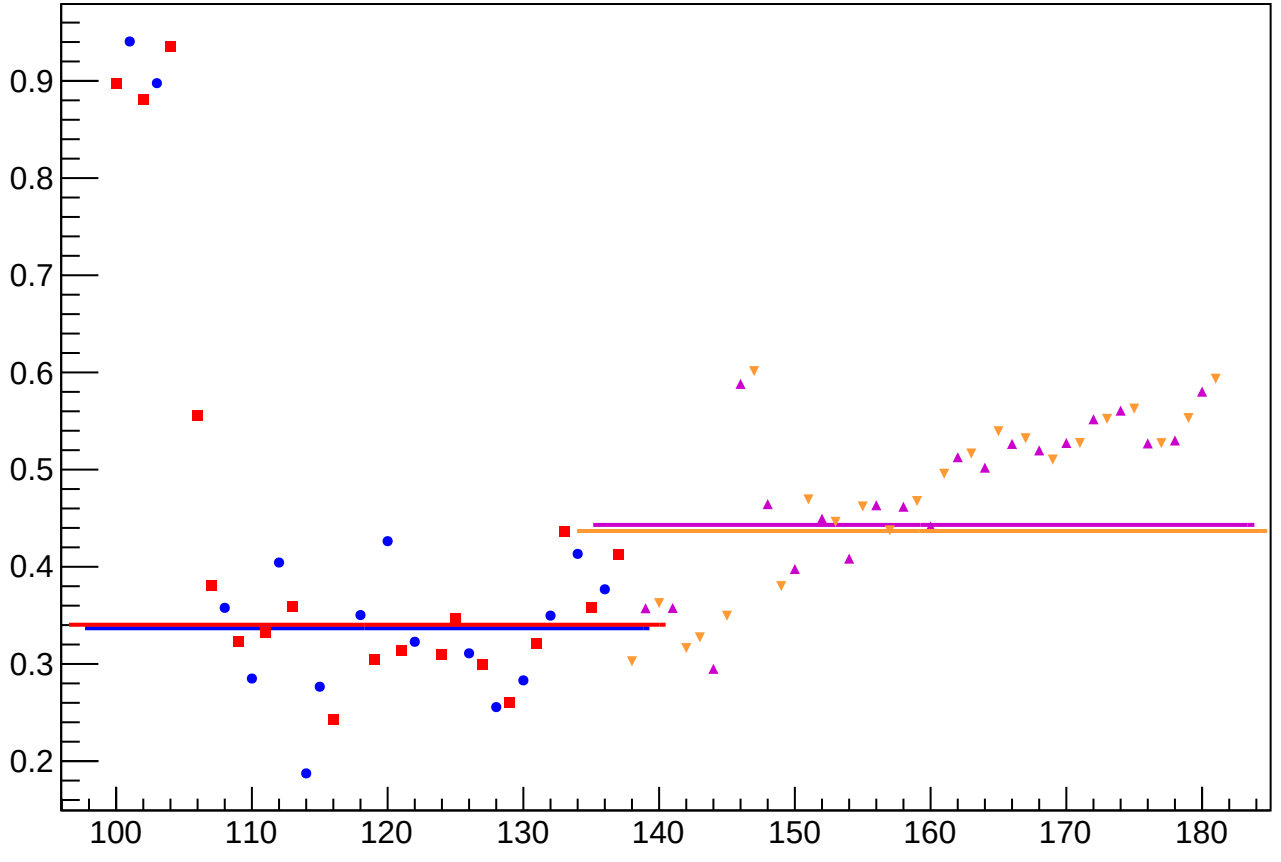
Left In: 147.278+/-0.000 χ^2/NDF:615667595.1/20

+ sign 147.036+/-0.000 χ^2/NDF: 3960696291.6/38

All: 146.892+/-0.000 χ^2/NDF: 8505786196.2

- sign 146.741+/-0.000 χ^2/NDF: 4539081071.4/39

yield_bcm_dg_us_rms vs Slug



Right In: 0.337+/-0.000 χ^2/NDF: 1370512.1/15

Left Out: 0.437+/-0.000 χ^2/NDF:1534515.1/22

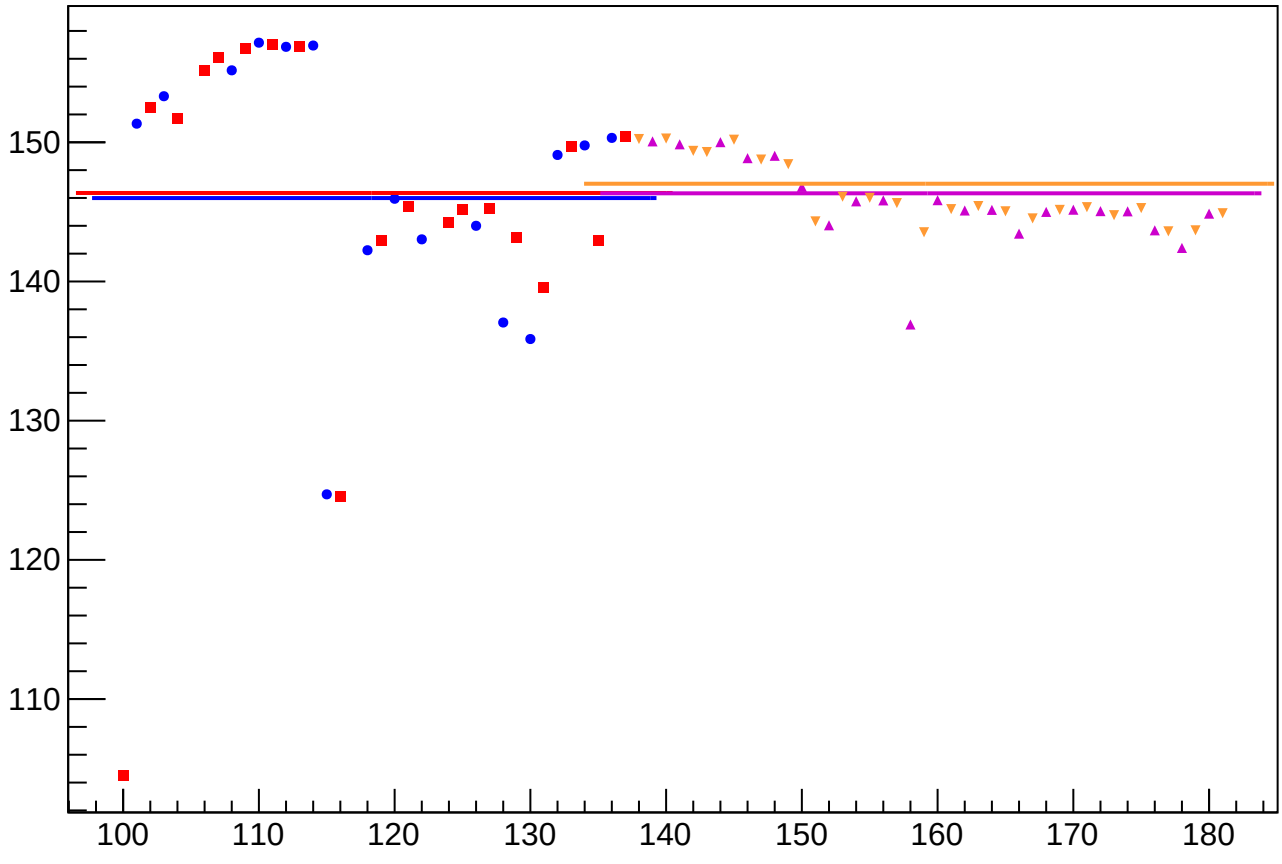
Right Out: 0.340+/-0.000 χ^2/NDF: 1274717.4/18

Left In: 0.443+/-0.000 χ^2/NDF:1234368.3/20

+ sign 0.400+/-0.000 χ^2/NDF: 3565099.1/38

All: 0.401+/-0.000 χ^2/NDF: 6751110.9/78

- sign 0.403+/-0.000 χ^2/NDF: 3184529.2/39



Right In: 145.993+/-0.000 χ^2/NDF: 3621634656.4/15

Left Out: 147.023+/-0.000 χ^2/NDF:529996520.2/22

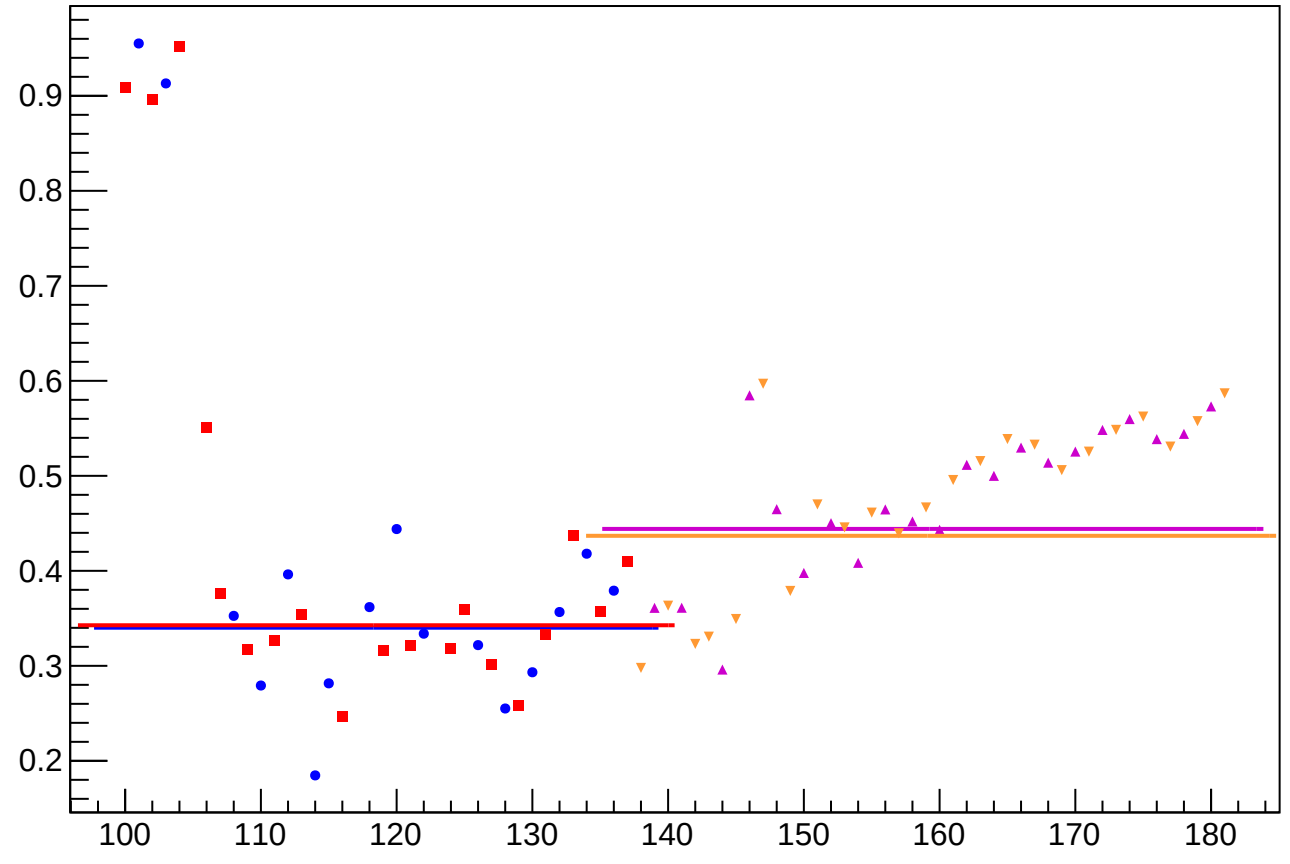
Right Out: 146.358+/-0.000 χ^2/NDF: 3963122316.1/18

Left In: 146.334+/-0.000 χ^2/NDF:818531892.1/20

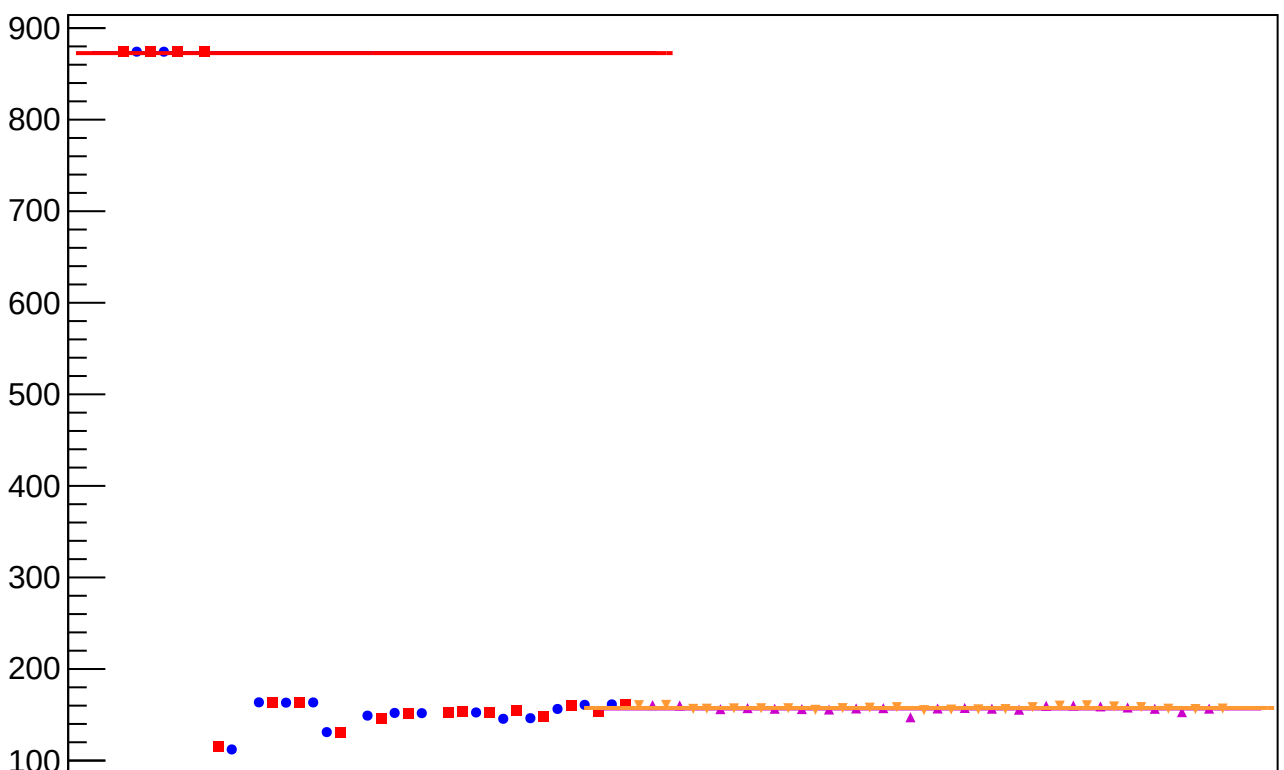
+ sign 146.645+/-0.000 χ^2/NDF: 4186077711.0/38

All: 146.498+/-0.000 χ^2/NDF: 8973957655.0

- sign 146.344+/-0.000 χ^2/NDF: 4781672364.9/39


yield_bcm_dg_ds_rms vs Slug
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
100
110
120
130
140
150
160
170
180
Right In: 0.340+/-0.000 χ²/NDF: 1393222.3/15
Left Out: 0.437+/-0.000 χ²/NDF:1517607.0/22
Right Out: 0.343+/-0.000 χ²/NDF: 1270731.2/18
Left In: 0.444+/-0.000 χ²/NDF:1198921.2/20
+ sign 0.401+/-0.000 χ²/NDF: 3518188.9/38
All: 0.403+/-0.000 χ²/NDF: 6640071.4/78
- sign 0.405+/-0.000 χ²/NDF: 3120405.5/39

yield_cav4bQ_mean vs Slug



Right In: 872.822+/-0.000 χ^2/NDF: 7191496833472.3/15

Left Out: 157.457+/-0.000 χ^2/NDF:96248961.8/22

Right Out: 872.676+/-0.000 χ^2/NDF: 9167298490018.9/18

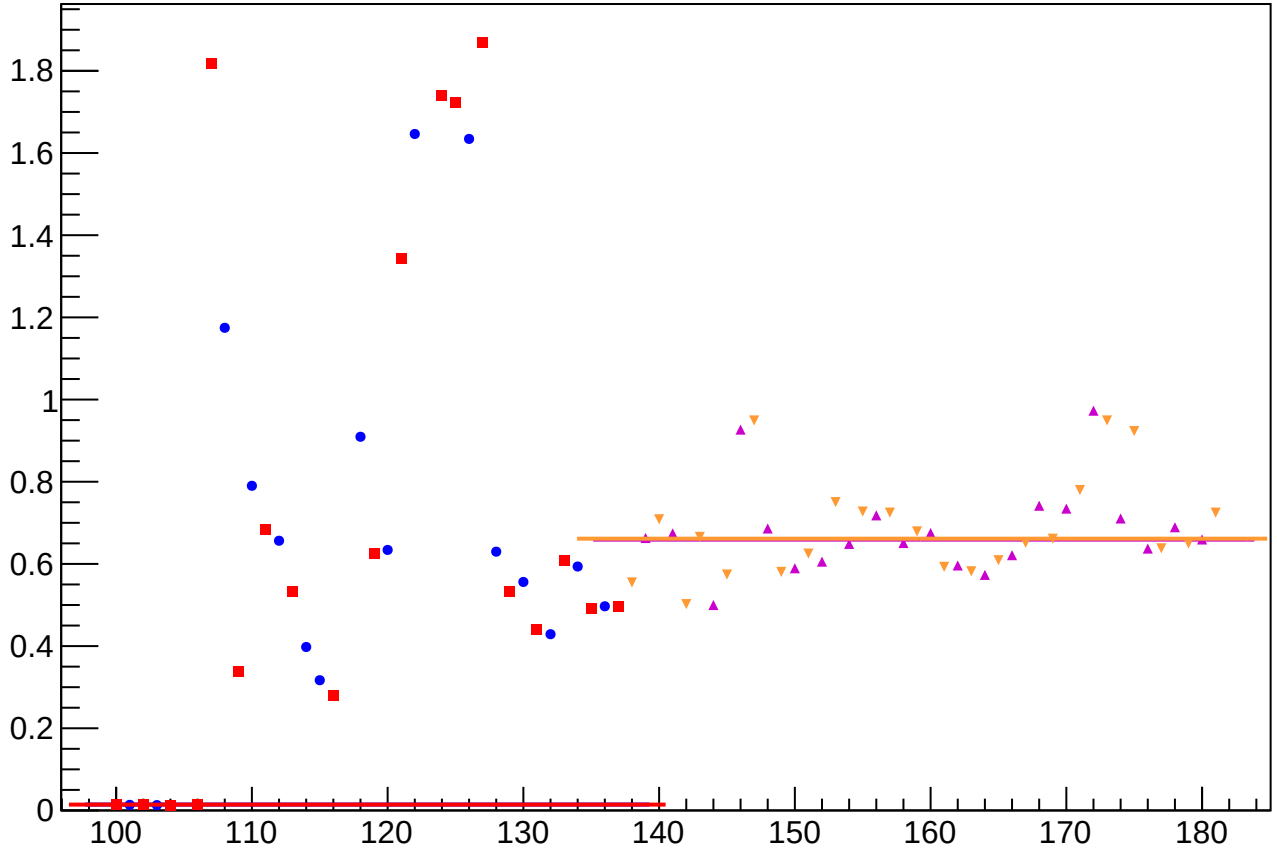
Left In: 156.873+/-0.000 χ^2/NDF:227244360.7/20

+ sign 869.590+/-0.000 χ^2/NDF: 23663869584951.

All: 869.807+/-0.000 χ^2/NDF: 485849778309

- sign 869.995+/-0.000 χ^2/NDF: 24920480357985.1

yield_cav4bQ_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 9622176.3/15

Left Out: 0.661+/-0.000 χ^2/NDF:619338.3/22

Right Out: 0.014+/-0.000 χ^2/NDF: 9410025.7/18

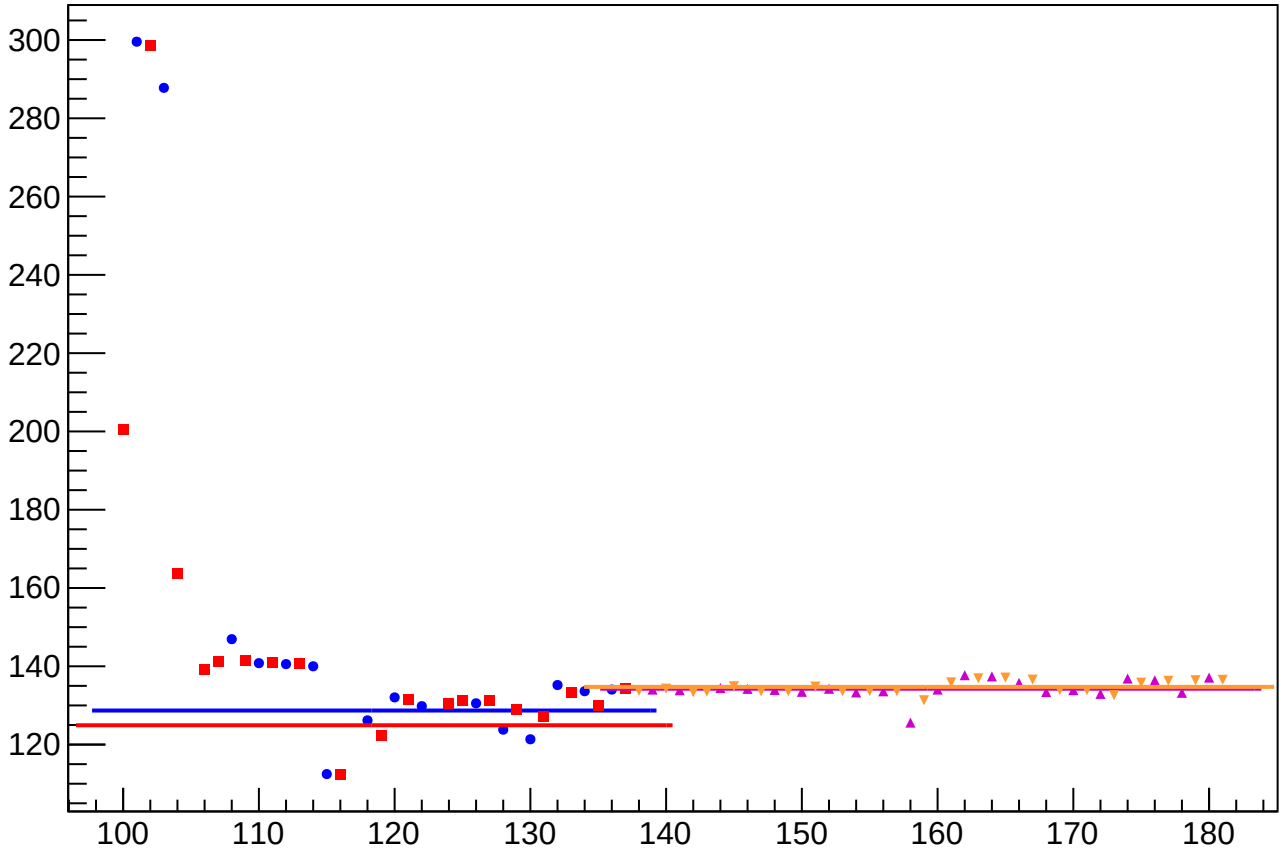
Left In: 0.659+/-0.000 χ^2/NDF:464584.3/20

+ sign 0.017+/-0.000 χ^2/NDF: 37195199.4/38

All: 0.017+/-0.000 χ^2/NDF: 72644455.2/78

- sign 0.017+/-0.000 χ^2/NDF: 35446028.7/39

yield_cav4cQ_mean vs Slug



Right In: 128.701+/-0.000 χ^2/NDF: 1656162604.0/15

Left Out: 134.739+/-0.000 χ^2/NDF:157156783.5/22

Right Out: 124.935+/-0.000 χ^2/NDF: 1397923053.7/18

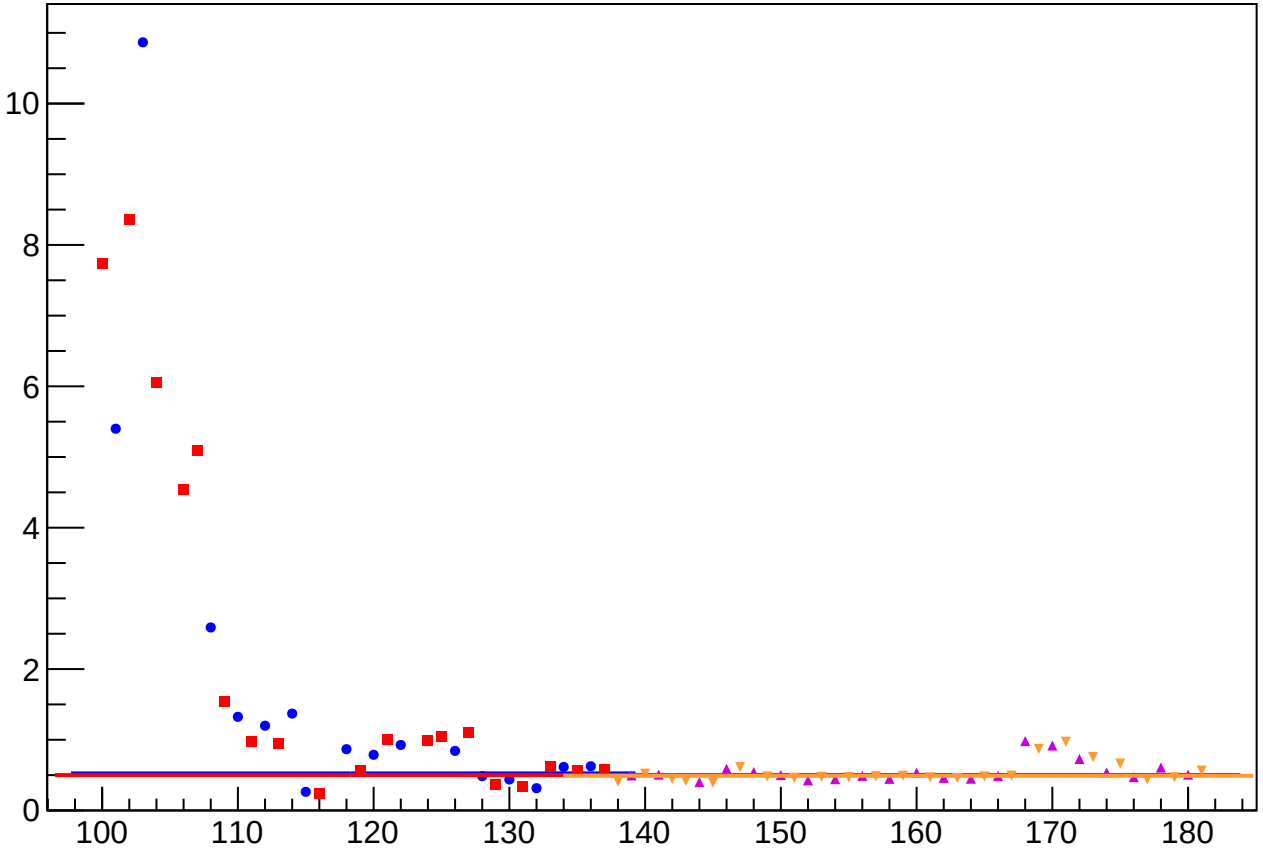
Left In: 134.270+/-0.000 χ^2/NDF:440160493.0/20

+ sign 133.720+/-0.000 χ^2/NDF: 2218474401.5/38

All: 133.126+/-0.000 χ^2/NDF: 5103508041.3

- sign 132.485+/-0.000 χ^2/NDF: 2826852219.9/39

yield_cav4cQ_rms vs Slug



Right In: 0.524+/-0.000 χ^2/NDF: 4138409.3/15

Left Out: 0.490+/-0.000 χ^2/NDF:1194428.7/22

Right Out: 0.501+/-0.000 χ^2/NDF: 4884137.3/18

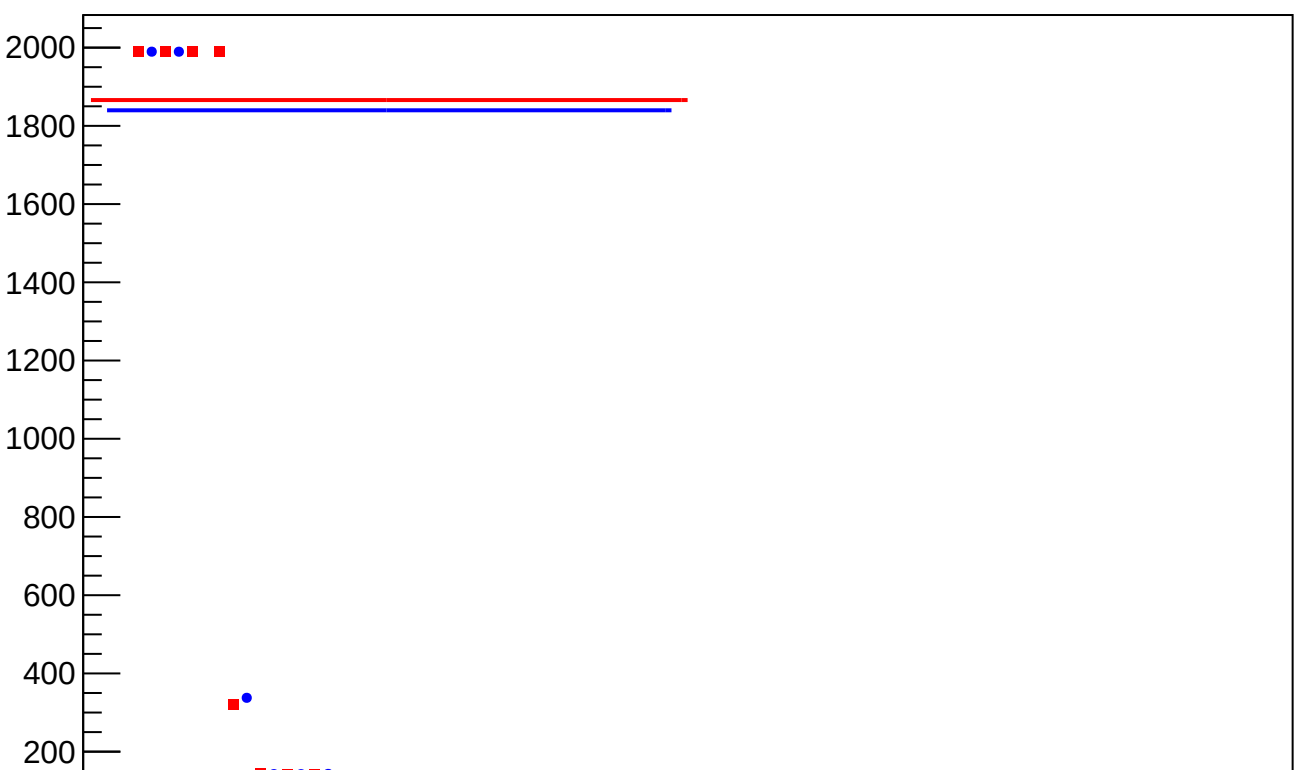
Left In: 0.502+/-0.000 χ^2/NDF:1136035.0/20

+ sign 0.496+/-0.000 χ^2/NDF: 5358204.0/38

All: 0.499+/-0.000 χ^2/NDF: 11381085.4/78

- sign 0.502+/-0.000 χ^2/NDF: 6020233.4/39

yield_cav4dQ_mean vs Slug



Right In: 1839.782+/-0.000 χ^2/NDF: 145916014549797.4/15

Left Out: 137.576+/-0.000 χ^2/NDF:64069446.2/22

Right Out: 1865.968+/-0.000 χ^2/NDF: 1427691222760 45.8/18

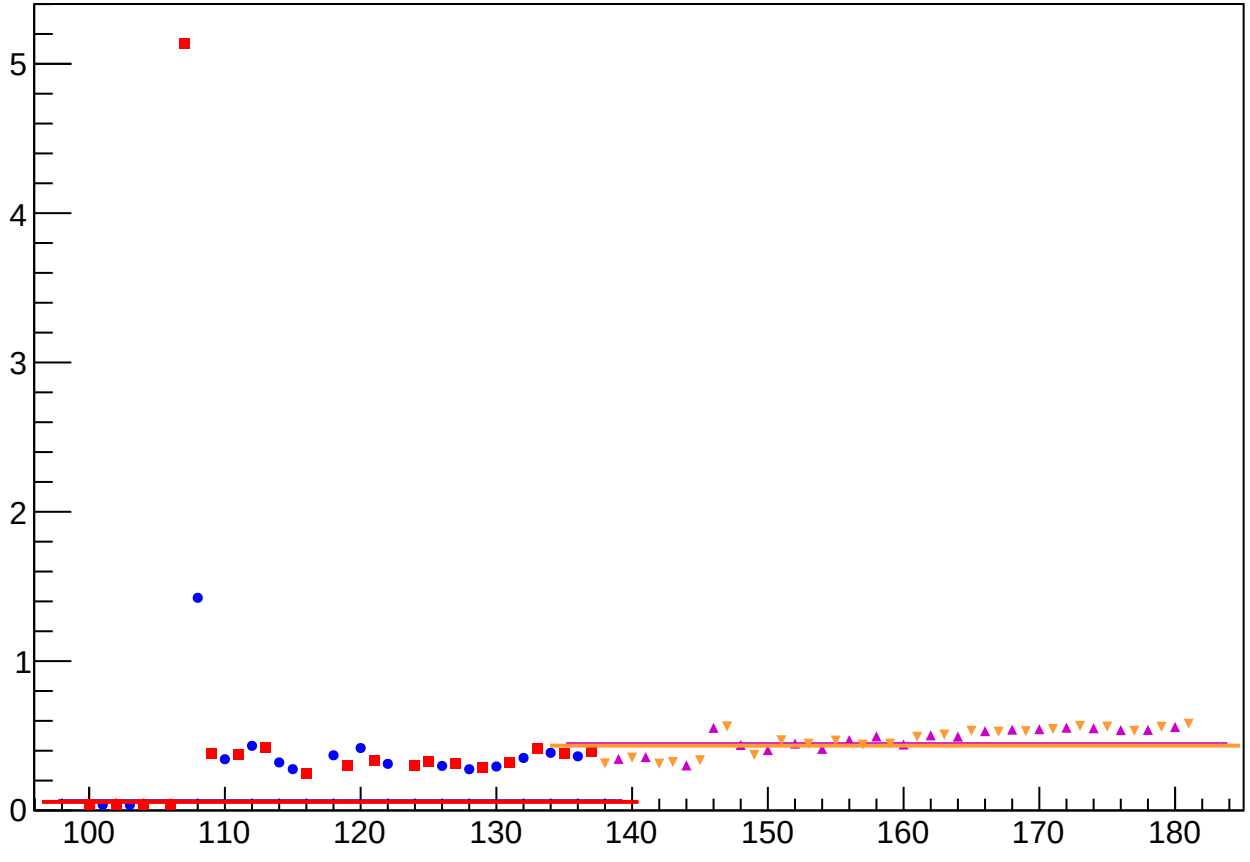
Left In: 137.342+/-0.000 χ^2/NDF:248642275.8/20

+ sign 1607.194+/-0.000 χ^2/NDF: 3717149503969 5

All: 1644.114+/-0.000 χ^2/NDF: 7340223720 5

- sign 1676.728+/-0.000 χ^2/NDF: 3606116083864 6

yield_cav4dQ_rms vs Slug



Right In: 0.062+/-0.000 χ^2/NDF: 8173578.9/15

Left Out: 0.434+/-0.000 χ^2/NDF:1561775.4/22

Right Out: 0.057+/-0.000 χ^2/NDF: 7741927.9/18

Left In: 0.444+/-0.000 χ^2/NDF:1202240.7/20

+ sign 0.113+/-0.000 χ^2/NDF: 31326705.3/38

All: 0.106+/-0.000 χ^2/NDF: 62180607.7/78

- sign 0.100+/-0.000 χ^2/NDF: 30734980.7/39

Right In: 167.017+/-0.000 χ^2/NDF: 14614977518.5/15

Left Out: 160.860+/-0.000 χ^2/NDF:3627287442.5/22

Right Out: 169.257+/-0.000 χ^2/NDF: 16317542946.8/18

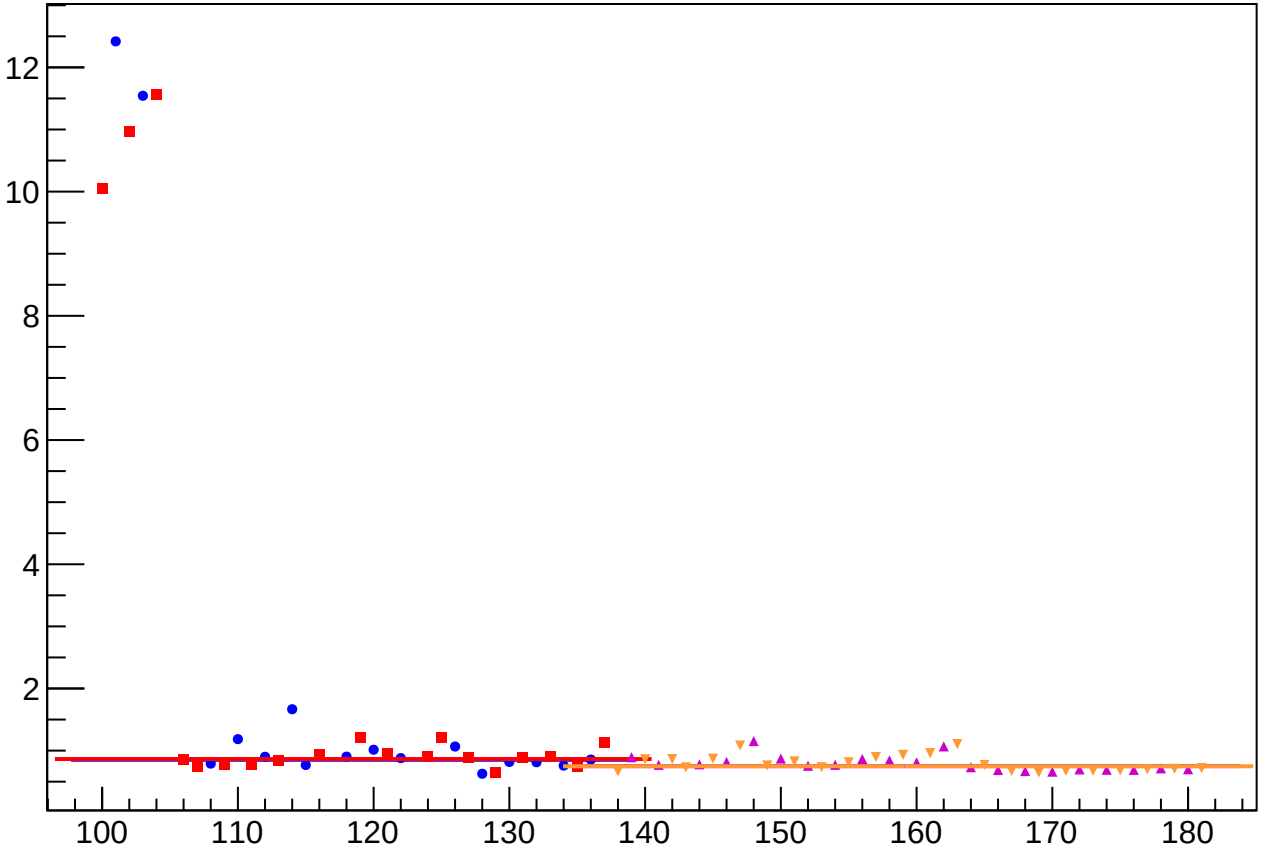
Left In: 160.199+/-0.000 χ^2/NDF:3711042195.0/20

+ sign 161.970+/-0.000 χ^2/NDF: 18406802248.7/38

All: 161.967+/-0.000 χ^2/NDF: 38795354439.

- sign 161.964+/-0.000 χ^2/NDF: 20388551615.2/39

yield_bcm0l02_rms vs Slug



Right In: 0.853+/-0.000 χ^2/NDF: 2302297.2/15

Left Out: 0.748+/-0.000 χ^2/NDF:541747.7/22

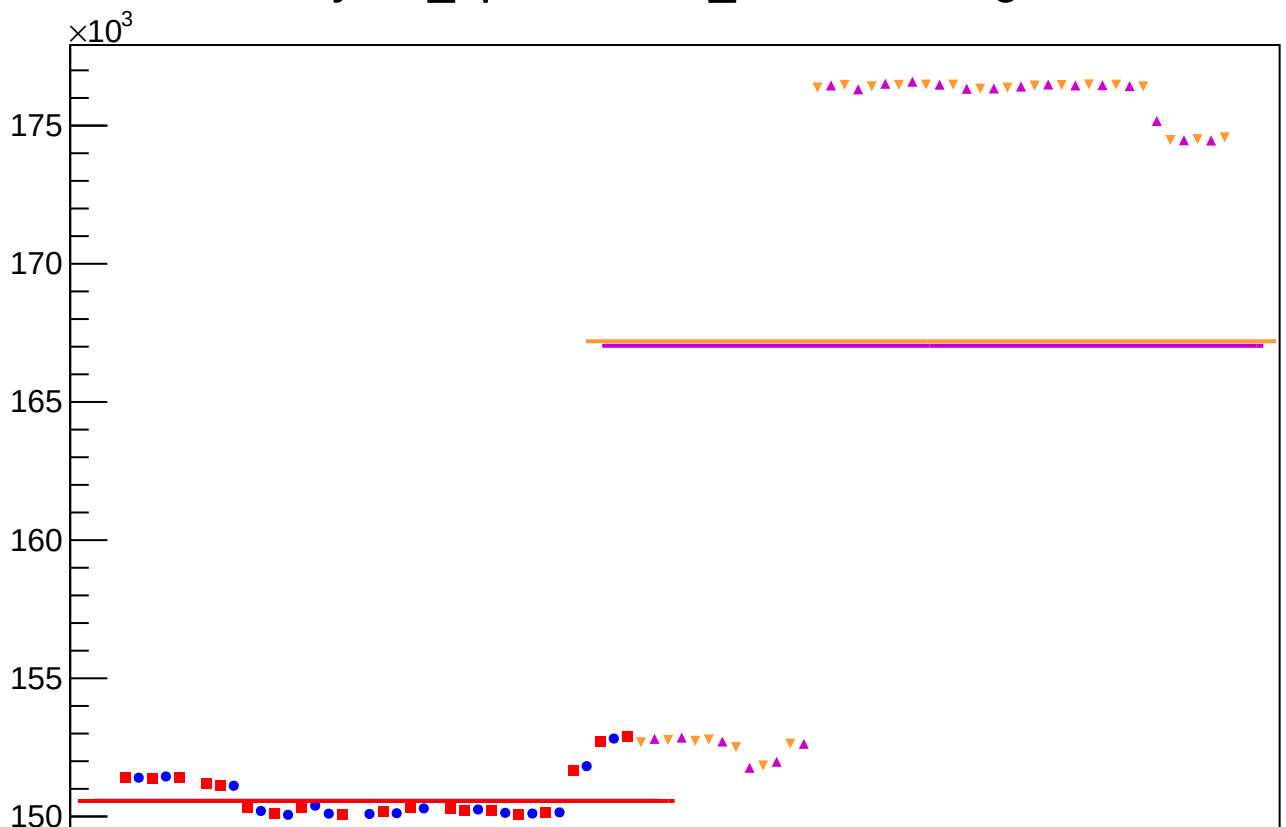
Right Out: 0.864+/-0.000 χ^2/NDF: 2209232.6/18

Left In: 0.751+/-0.000 χ^2/NDF:436188.9/20

+ sign 0.767+/-0.000 χ^2/NDF: 2939901.6/38

All: 0.770+/-0.000 χ^2/NDF: 5699580.6/78

- sign 0.773+/-0.000 χ^2/NDF: 2758649.6/39



Right In: 150568.638+/-0.055 χ^2/NDF: 237155171.8/15

Left Out: 167196.494+/-0.047 χ^2/NDF:58983675928.2722

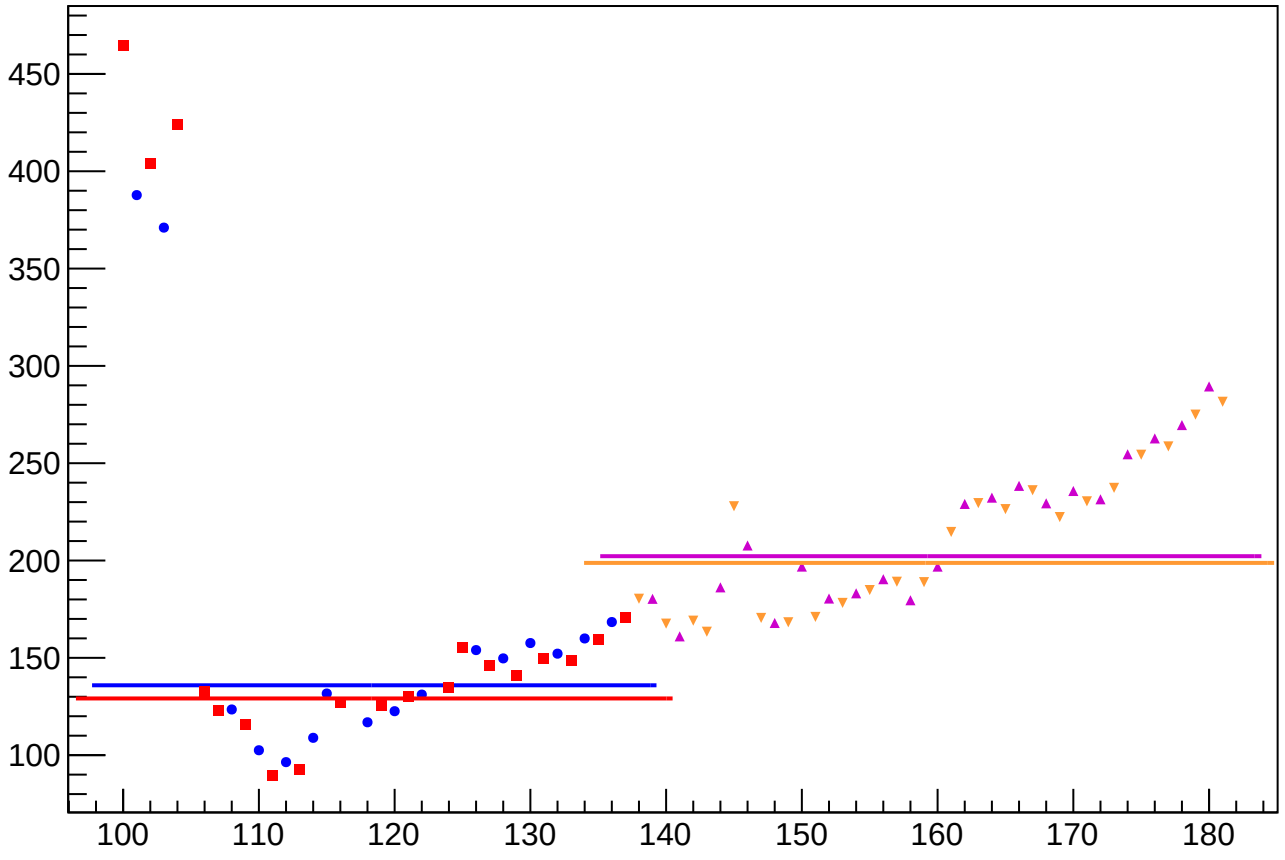
Right Out: 150561.647+/-0.051 χ^2/NDF: 197500782.5/18

Left In: 167031.182+/-0.050 χ^2/NDF:54510583815.3/20

+ sign 160061.366+/-0.036 χ^2/NDF: 11214735534

All: 159540.196+/-0.025 χ^2/NDF: 2209096

- sign 159025.682+/-0.036 χ^2/NDF: 108340560155



Right In: 135.896+/-0.039 χ^2/NDF: 1416332.3/15

Left Out: 198.780+/-0.033 χ^2/NDF:1005607.1/22

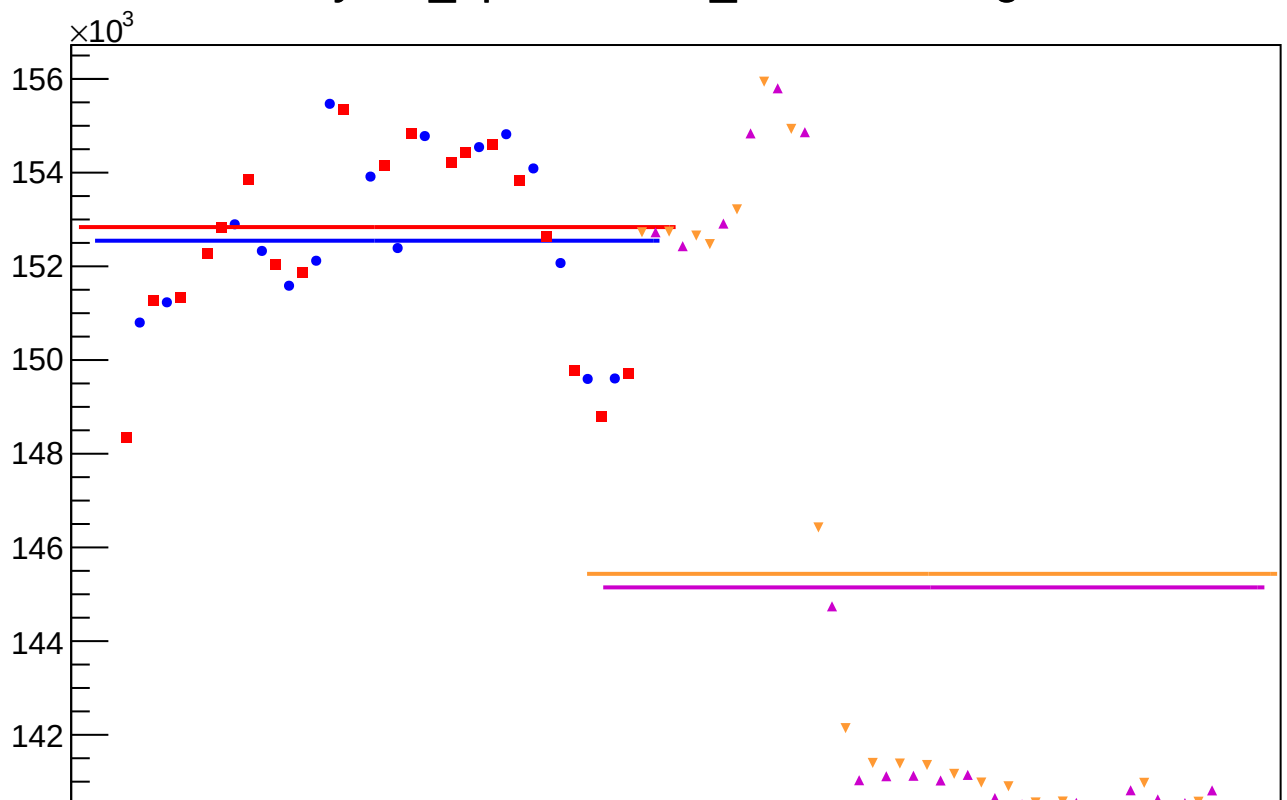
Right Out: 129.130+/-0.036 χ^2/NDF: 1614311.0/18

Left In: 202.228+/-0.035 χ^2/NDF:860171.7/20

+ sign 171.796+/-0.025 χ^2/NDF: 3935895.7/38

All: 169.230+/-0.018 χ^2/NDF: 8543810.0/78

- sign 166.697+/-0.025 χ^2/NDF: 4587461.9/39



Right In: 152546.899+/-0.073 χ^2/NDF: 654540559.6/15

Left Out: 145436.167+/-0.050 χ^2/NDF:13364156712.8/22

Right Out: 152837.888+/-0.067 χ^2/NDF: 736907066.8/18

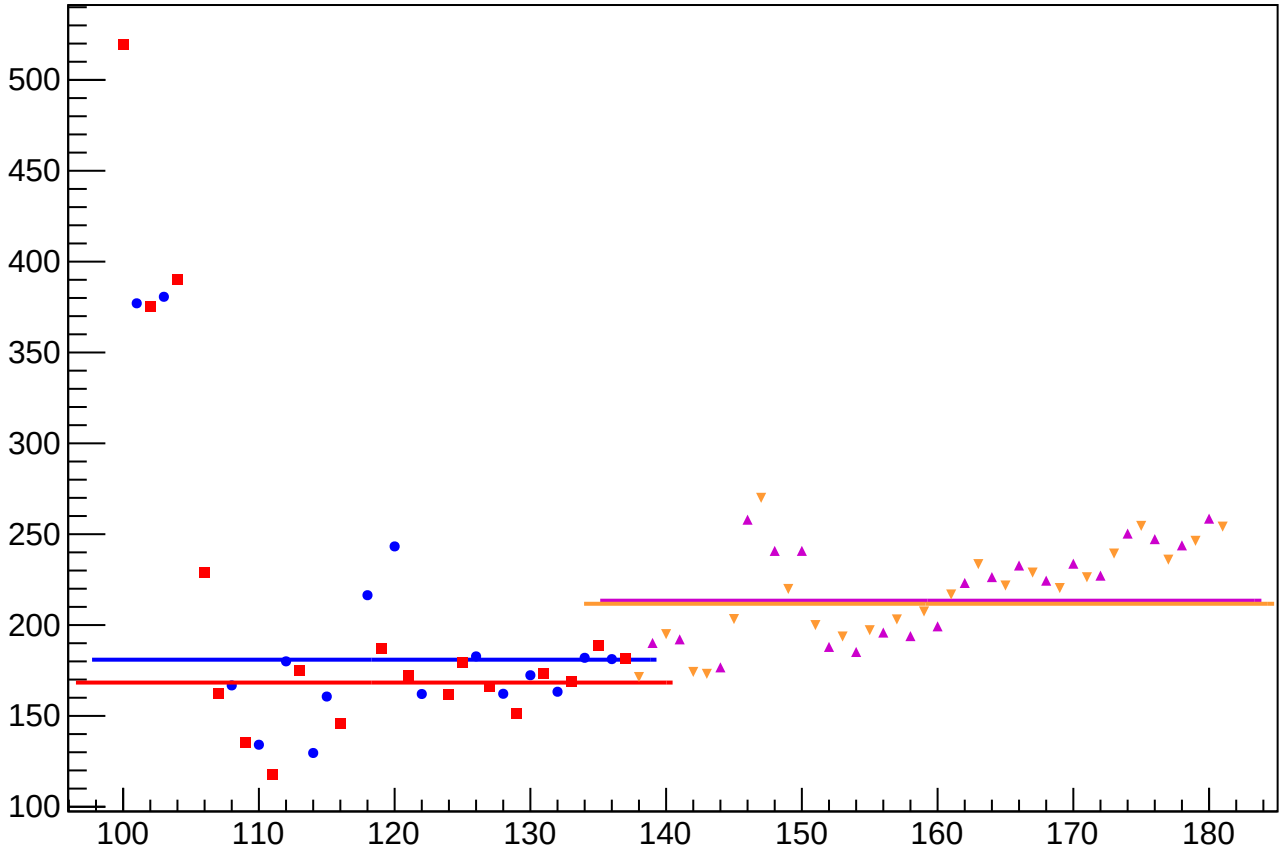
Left In: 145147.047+/-0.052 χ^2/NDF:12818531448.7/20

+ sign 147735.585+/-0.041 χ^2/NDF: 20506863758.9

All: 147902.007+/-0.029 χ^2/NDF: 42352611

- sign 148066.645+/-0.041 χ^2/NDF: 21813436663.9

yield_bpm0i07WS_rms vs Slug



Right In: 180.938+/-0.051 χ^2/NDF: 907758.2/15

Left Out: 211.714+/-0.035 χ^2/NDF:526870.7/22

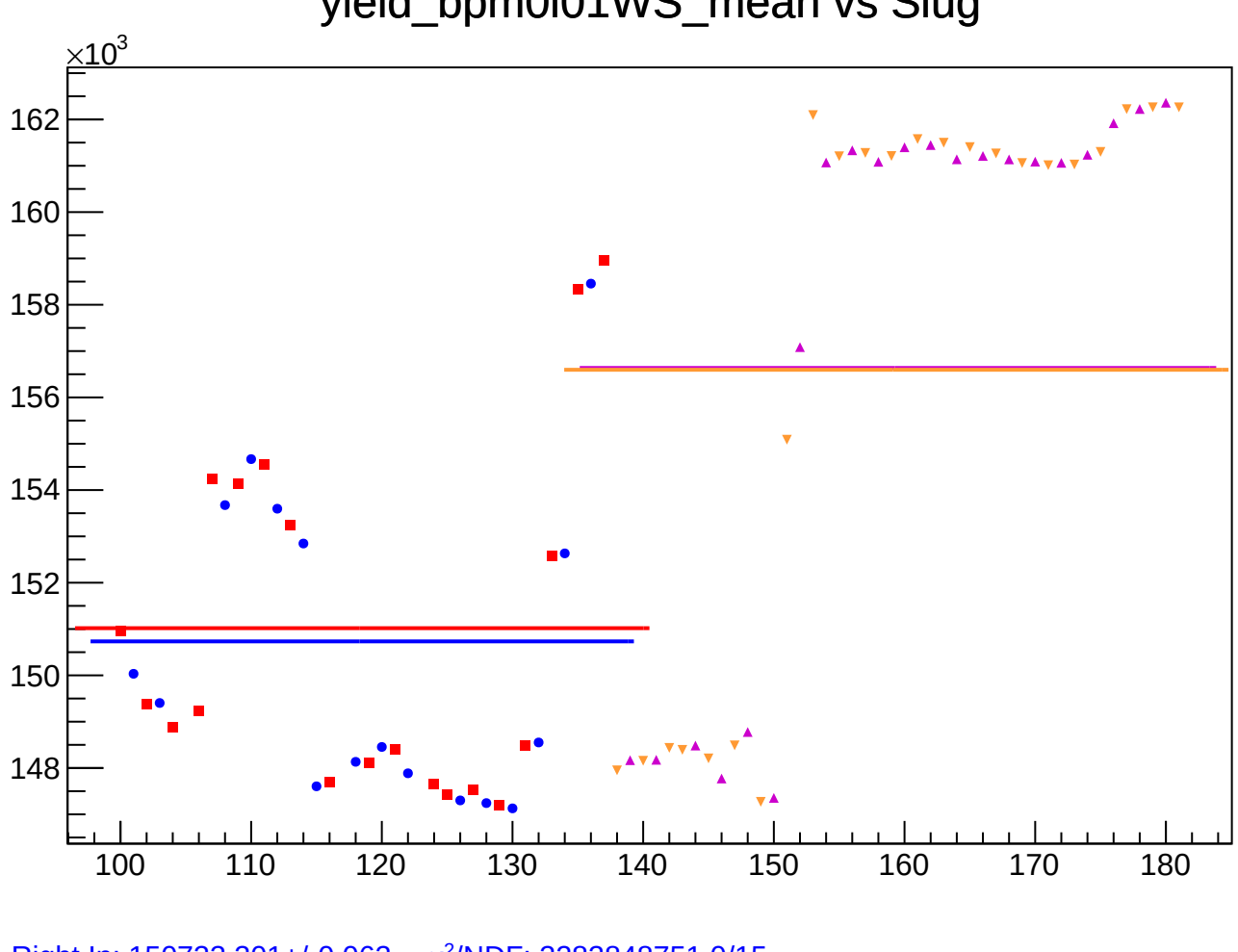
Right Out: 168.349+/-0.047 χ^2/NDF: 1089090.2/18

Left In: 213.406+/-0.037 χ^2/NDF:506868.1/20

+ sign 201.762+/-0.029 χ^2/NDF: 1677695.6/38

All: 199.017+/-0.021 χ^2/NDF: 3858107.0/78

- sign 196.302+/-0.029 χ^2/NDF: 2162833.7/39



Right In: 150733.301+/-0.063 χ^2/NDF: 3283848751.0/15

Left Out: 156596.422+/-0.049 χ^2/NDF:16001828400.9/22

Right Out: 151018.500+/-0.060 χ^2/NDF: 3286131878.7/18

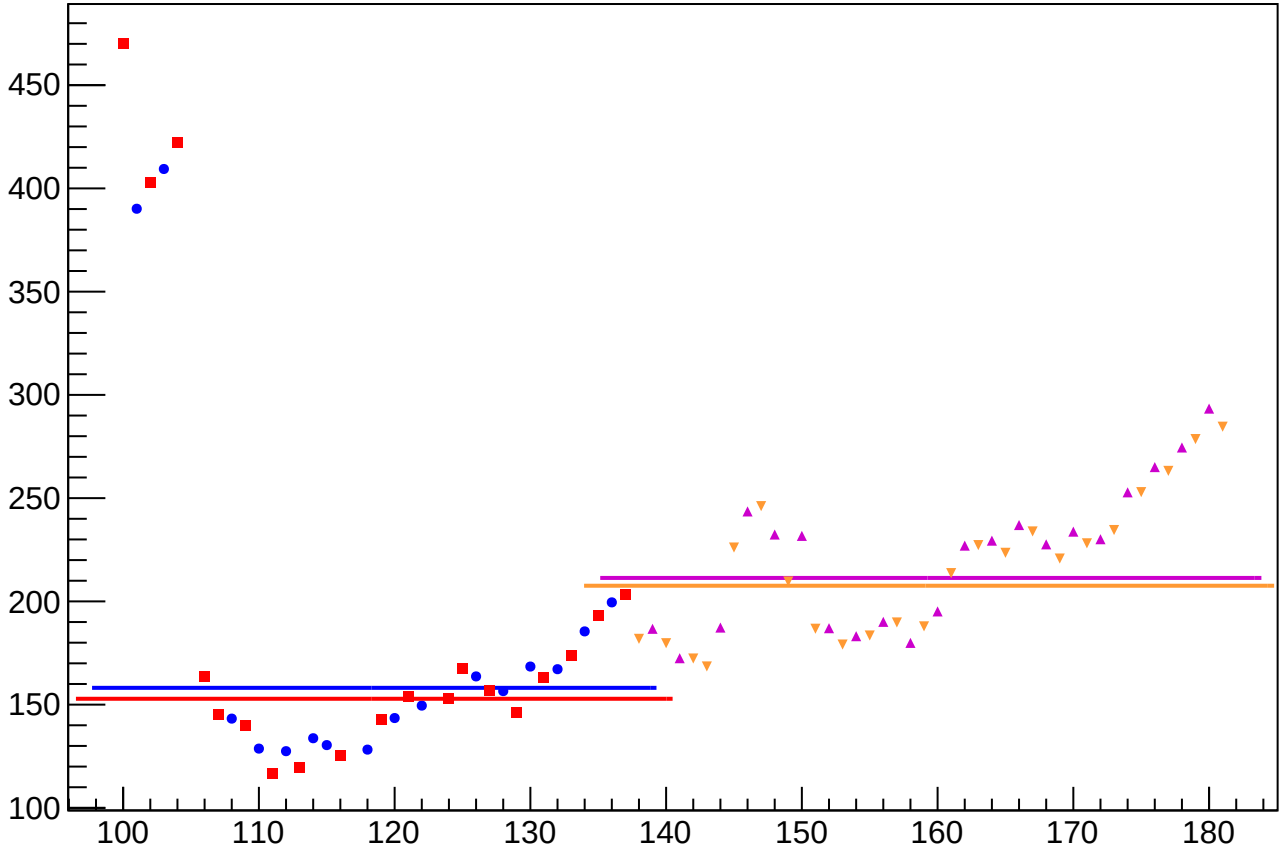
Left In: 156635.939+/-0.052 χ^2/NDF:14018522644.9/20

+ sign 154364.630+/-0.039 χ^2/NDF: 24667276551.

All: 154304.382+/-0.028 χ^2/NDF: 46998847

- sign 154242.913+/-0.039 χ^2/NDF: 22326701469.

yield_bpm0i01WS_rms vs Slug



Right In: 158.138+/-0.044 χ^2/NDF: 1195699.5/15

Left Out: 207.581+/-0.035 χ^2/NDF:798249.2/22

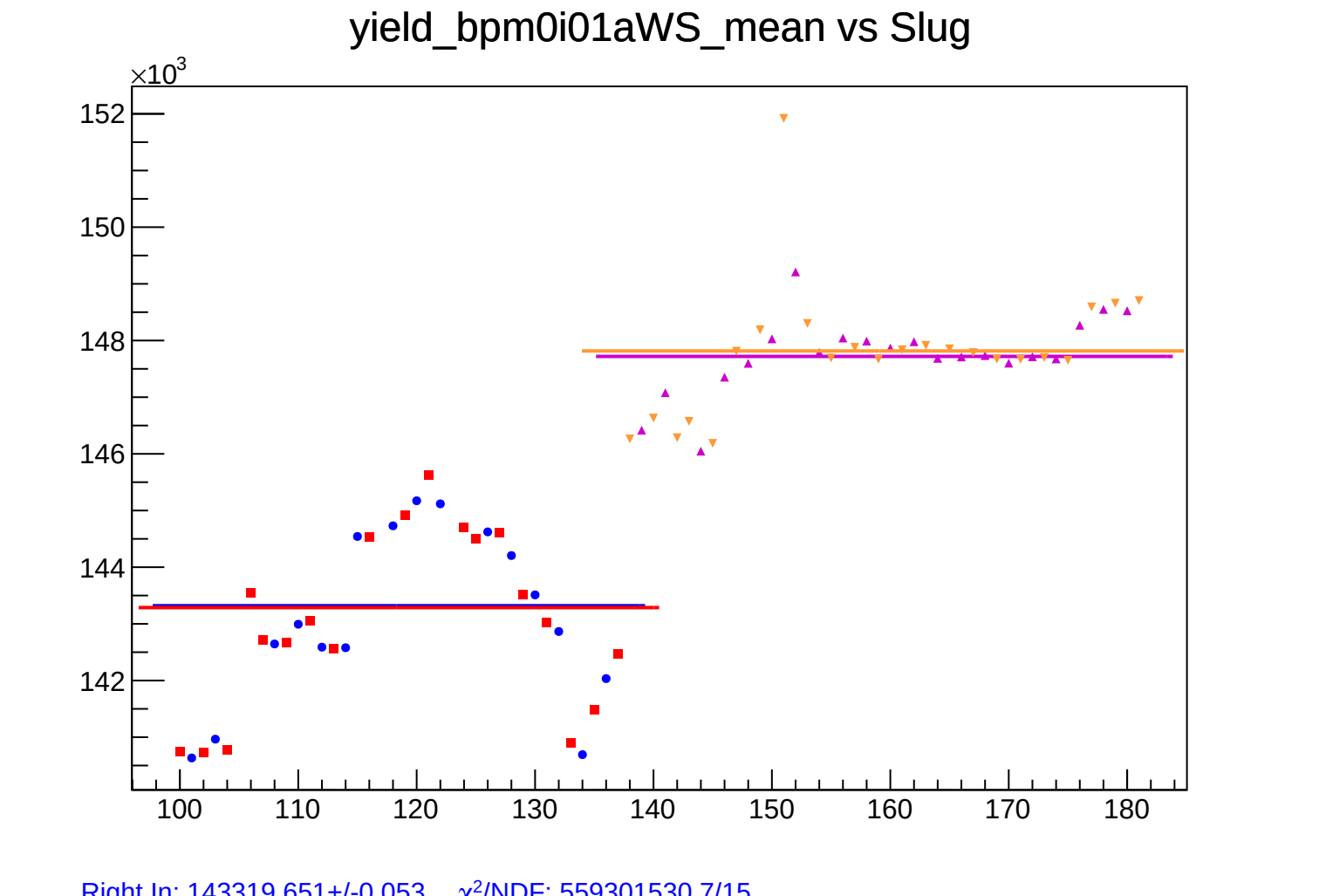
Right Out: 152.841+/-0.042 χ^2/NDF: 1264236.1/18

Left In: 211.360+/-0.037 χ^2/NDF:748771.3/20

+ sign 188.761+/-0.027 χ^2/NDF: 2759379.1/38

All: 187.608+/-0.020 χ^2/NDF: 5865972.8/78

- sign 186.431+/-0.028 χ^2/NDF: 3103026.4/39



Right In: 143319.651+/-0.053 χ^2/NDF: 559301530.7/15

Left Out: 147815.950+/-0.046 χ^2/NDF:701541273.8/22

Right Out: 143286.960+/-0.050 χ^2/NDF: 620521577.8/18

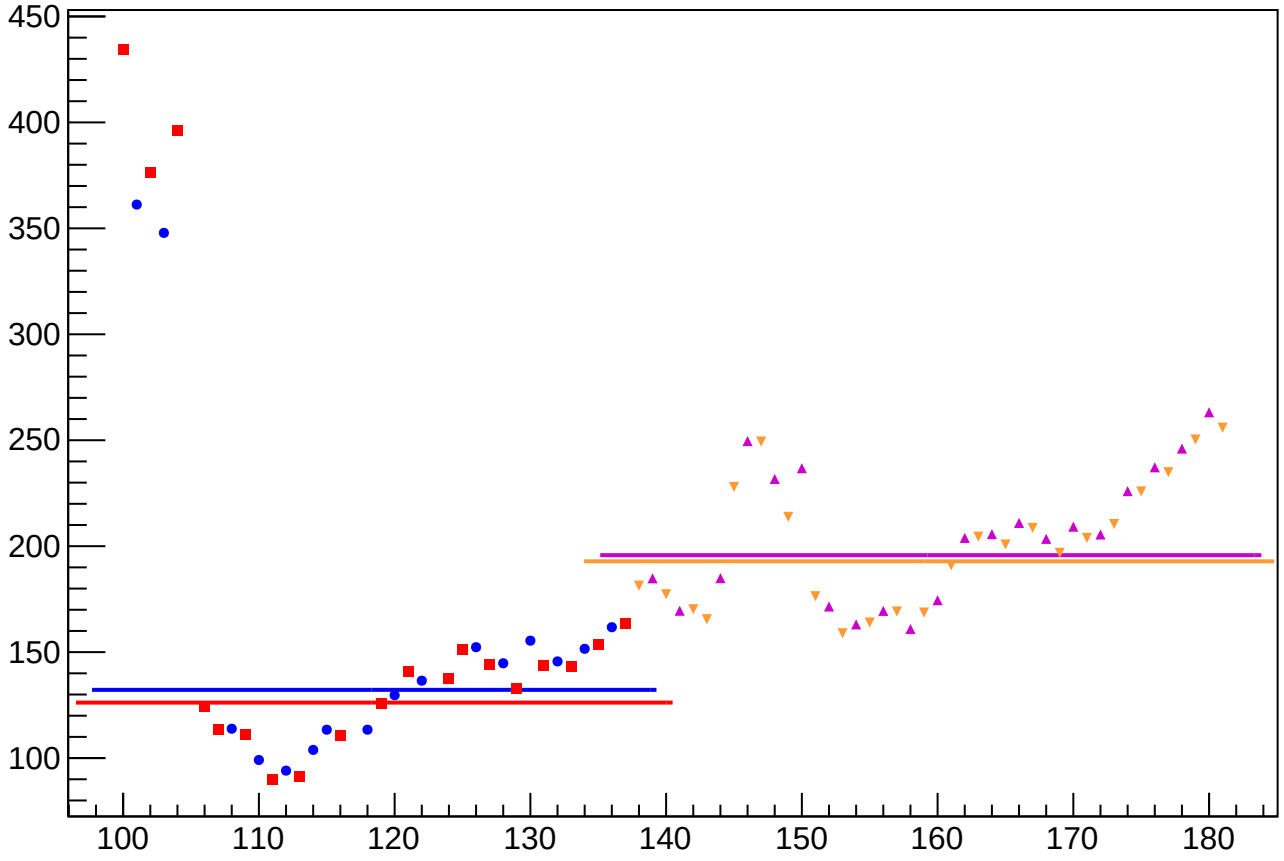
Left In: 147719.465+/-0.048 χ^2/NDF:222788386.3/20

+ sign 145899.496+/-0.035 χ^2/NDF: 5371038583.7

All: 145740.374+/-0.024 χ^2/NDF: 10374968

- sign 145582.825+/-0.035 χ^2/NDF: 4962040011.5/

yield_bpm0i01aWS_rms vs Slug



Right In: 132.204+/-0.038 χ^2/NDF: 1379168.6/15

Left Out: 192.853+/-0.032 χ^2/NDF:728006.9/22

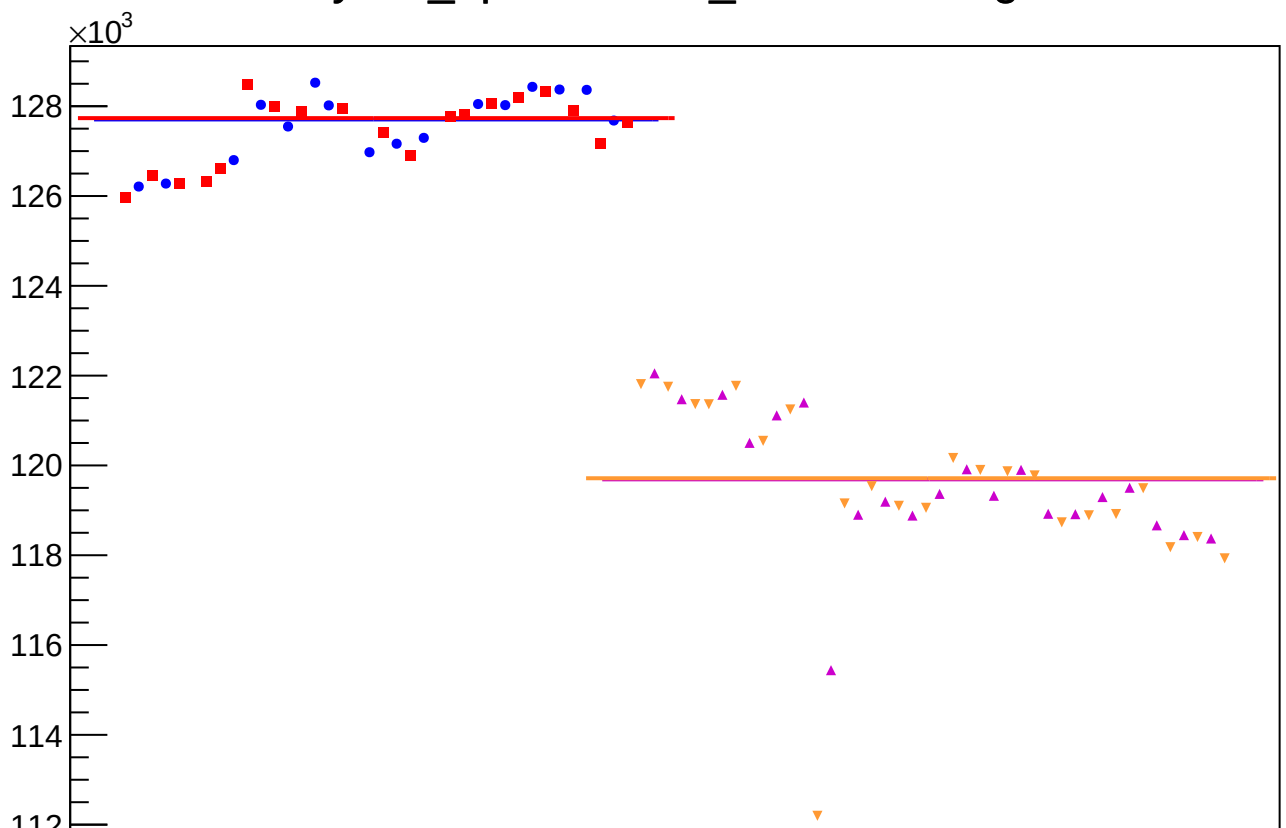
Right Out: 126.191+/-0.035 χ^2/NDF: 1545034.5/18

Left In: 195.763+/-0.034 χ^2/NDF:756386.2/20

+ sign 167.003+/-0.025 χ^2/NDF: 3602835.2/38

All: 164.603+/-0.017 χ^2/NDF: 7952711.8/78

- sign 162.227+/-0.024 χ^2/NDF: 4330819.2/39



Right In: 127705.222+/-0.058 χ^2/NDF: 104467207.7/15

Left Out: 119714.404+/-0.045 χ^2/NDF:1972616182.9/22

Right Out: 127734.542+/-0.055 χ^2/NDF: 109469333.8/18

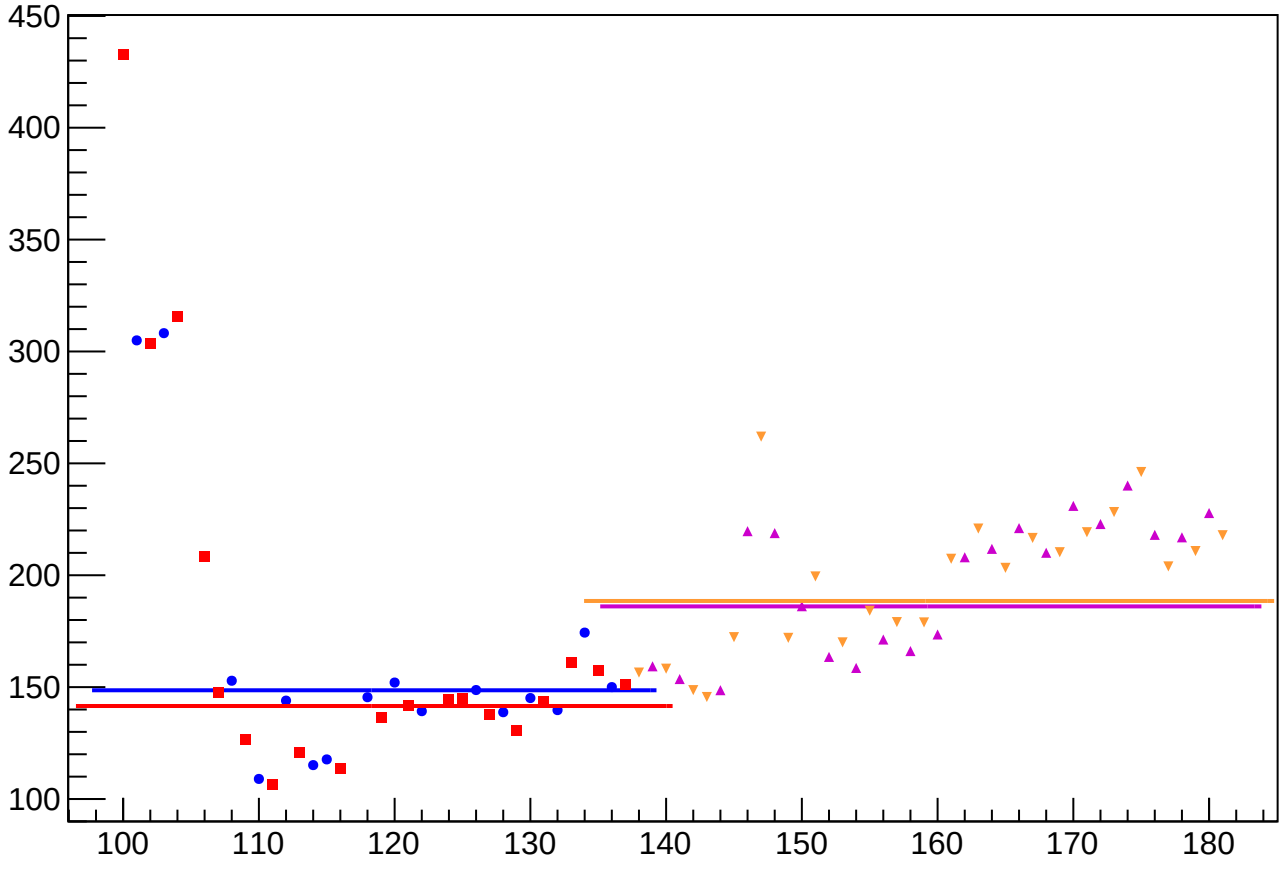
Left In: 119690.004+/-0.046 χ^2/NDF:1268256221.9/20

+ sign 122695.514+/-0.036 χ^2/NDF: 13808140787.

All: 122846.254+/-0.025 χ^2/NDF: 27870801

- sign 122992.847+/-0.035 χ^2/NDF: 14027454318.

yield_bpm0l01WS_rms vs Slug



Right In: 148.593+/-0.041 χ^2/NDF: 827701.4/15

Left Out: 188.504+/-0.032 χ^2/NDF:834224.8/22

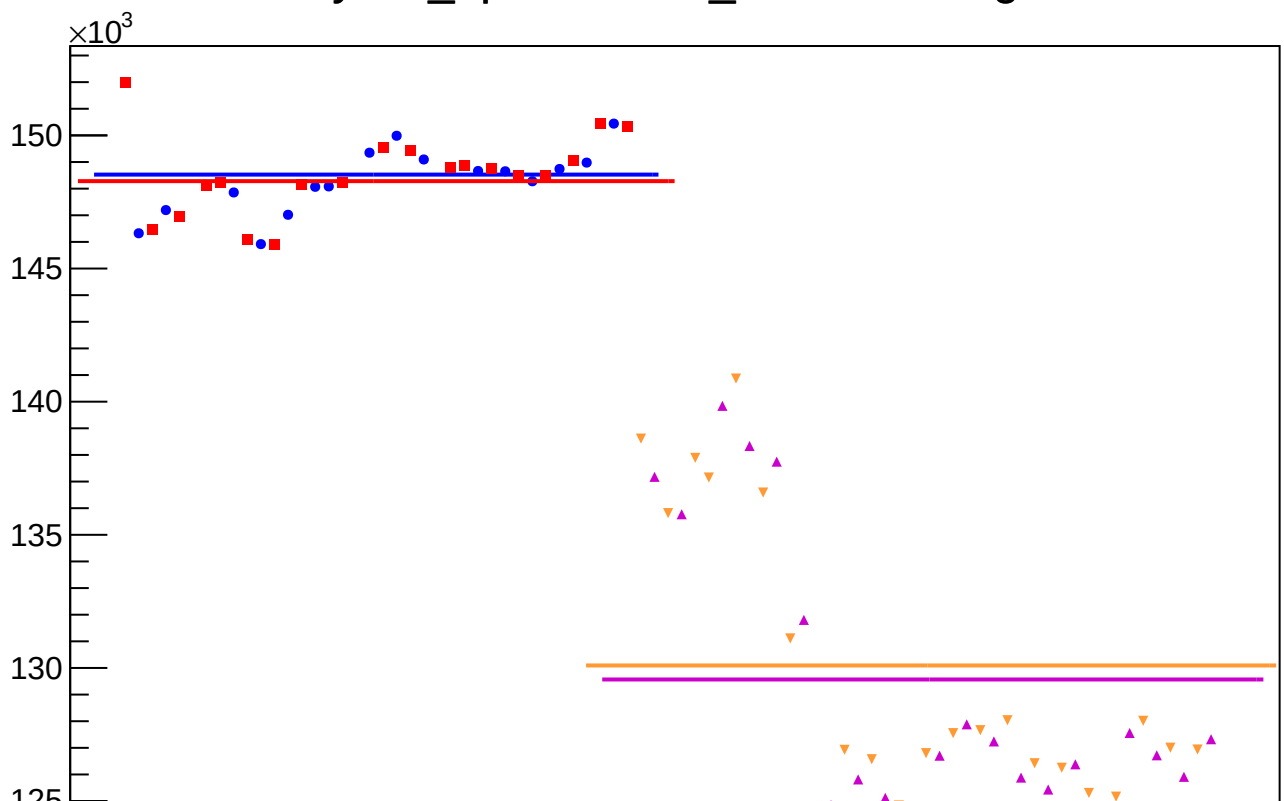
Right Out: 141.563+/-0.039 χ^2/NDF: 1001225.3/18

Left In: 186.075+/-0.032 χ^2/NDF:837844.7/20

+ sign 173.615+/-0.025 χ^2/NDF: 2247224.6/38

All: 170.667+/-0.018 χ^2/NDF: 4887798.0/78

- sign 167.800+/-0.025 χ^2/NDF: 2613641.7/39



Right In: 148527.678+/-0.082 χ^2/NDF: 209208133.0/15

Left Out: 130093.963+/-0.066 χ^2/NDF:6460016602.2/22

Right Out: 148282.003+/-0.077 χ^2/NDF: 294673557.8/18

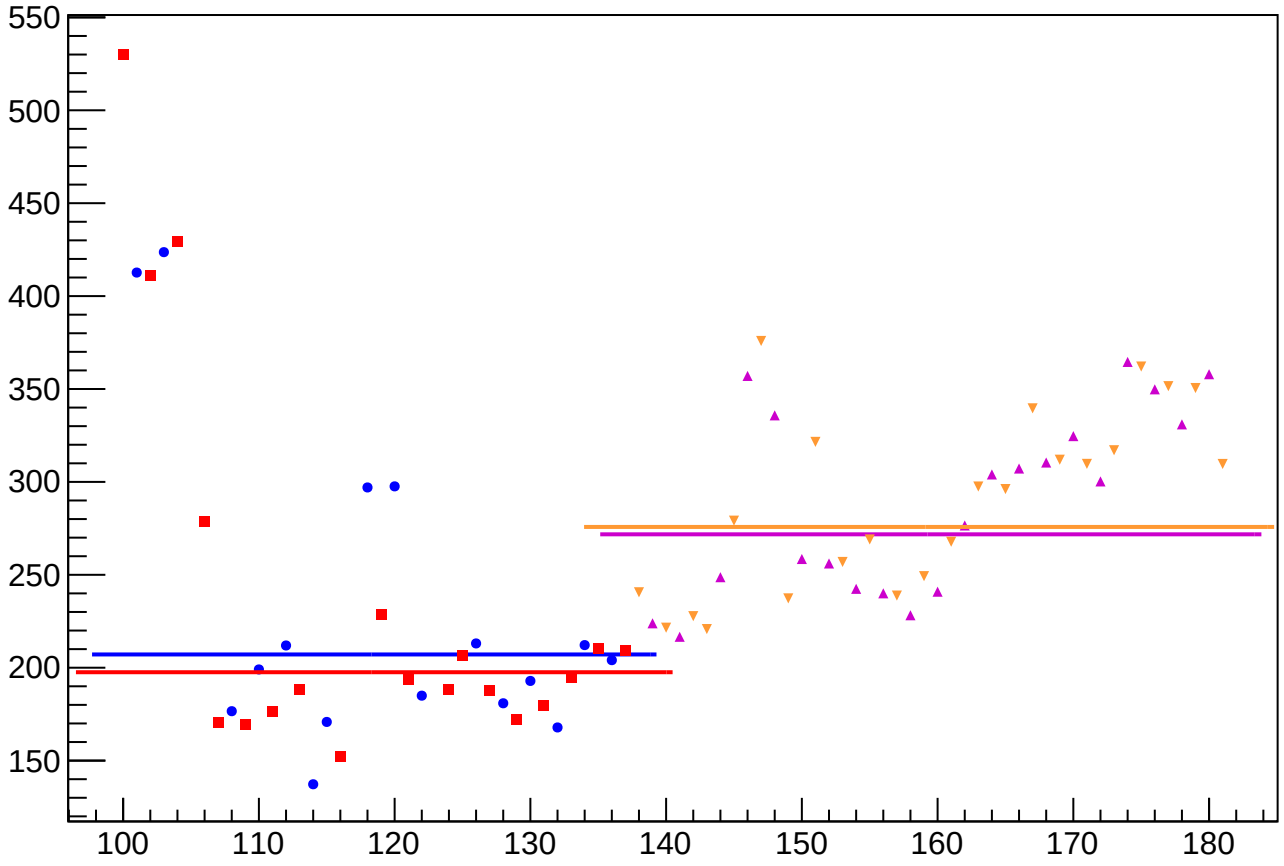
Left In: 129567.564+/-0.067 χ^2/NDF:6402942880.8/20

+ sign 137315.972+/-0.051 χ^2/NDF: 37450781619.0

All: 137488.078+/-0.036 χ^2/NDF: 78063661

- sign 137653.981+/-0.050 χ^2/NDF: 40590765012.4

yield_bpm0l02WS_rms vs Slug



Right In: 207.135+/-0.058 χ^2/NDF: 972216.9/15

Left Out: 275.763+/-0.047 χ^2/NDF:930708.0/22

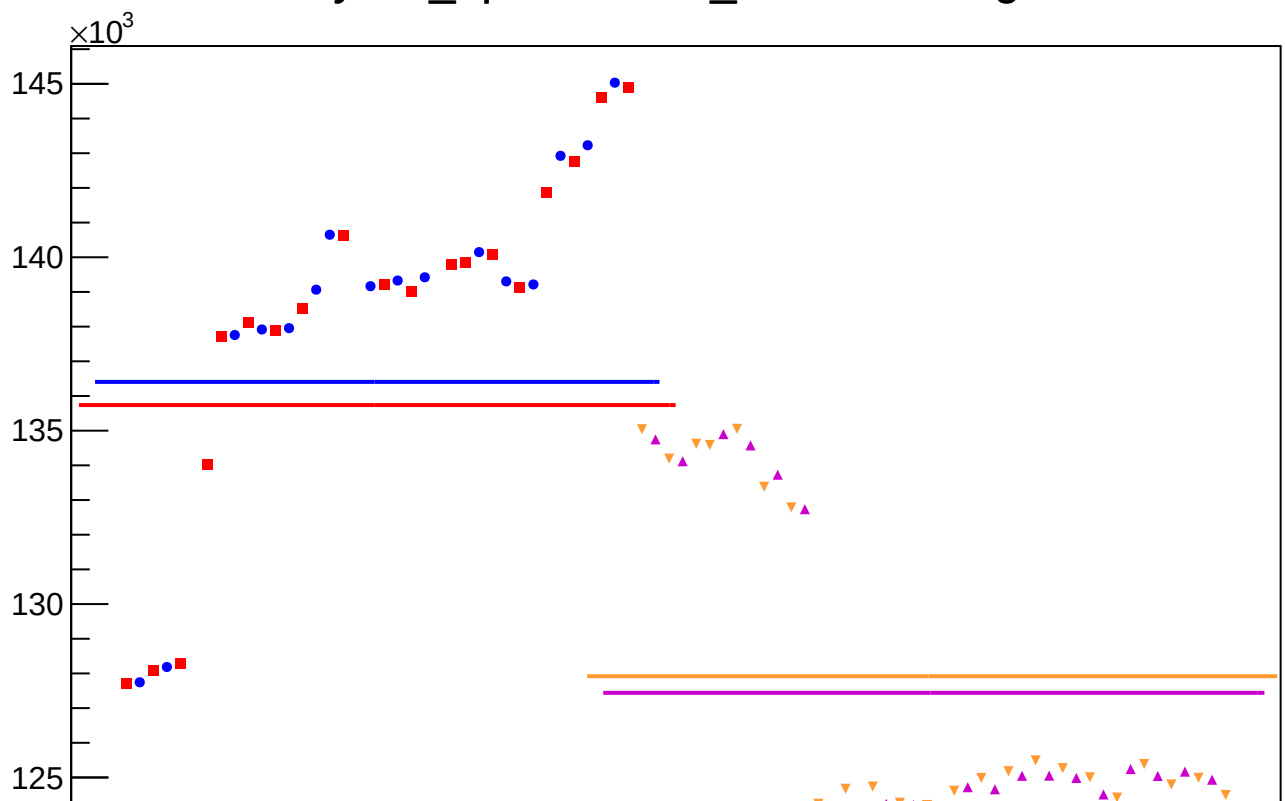
Right Out: 197.571+/-0.054 χ^2/NDF: 903999.3/18

Left In: 271.791+/-0.047 χ^2/NDF:962408.5/20

+ sign 248.876+/-0.036 χ^2/NDF: 2756208.6/38

All: 244.214+/-0.025 χ^2/NDF: 5721235.7/78

- sign 239.721+/-0.036 χ^2/NDF: 2932582.4/39



Right In: 136406.923+/-0.169 χ^2/NDF: 1577071044.7/15

Left Out: 127919.391+/-0.139 χ^2/NDF:1058604346.5/22

Right Out: 135738.412+/-0.177 χ^2/NDF: 1174123878.0/18

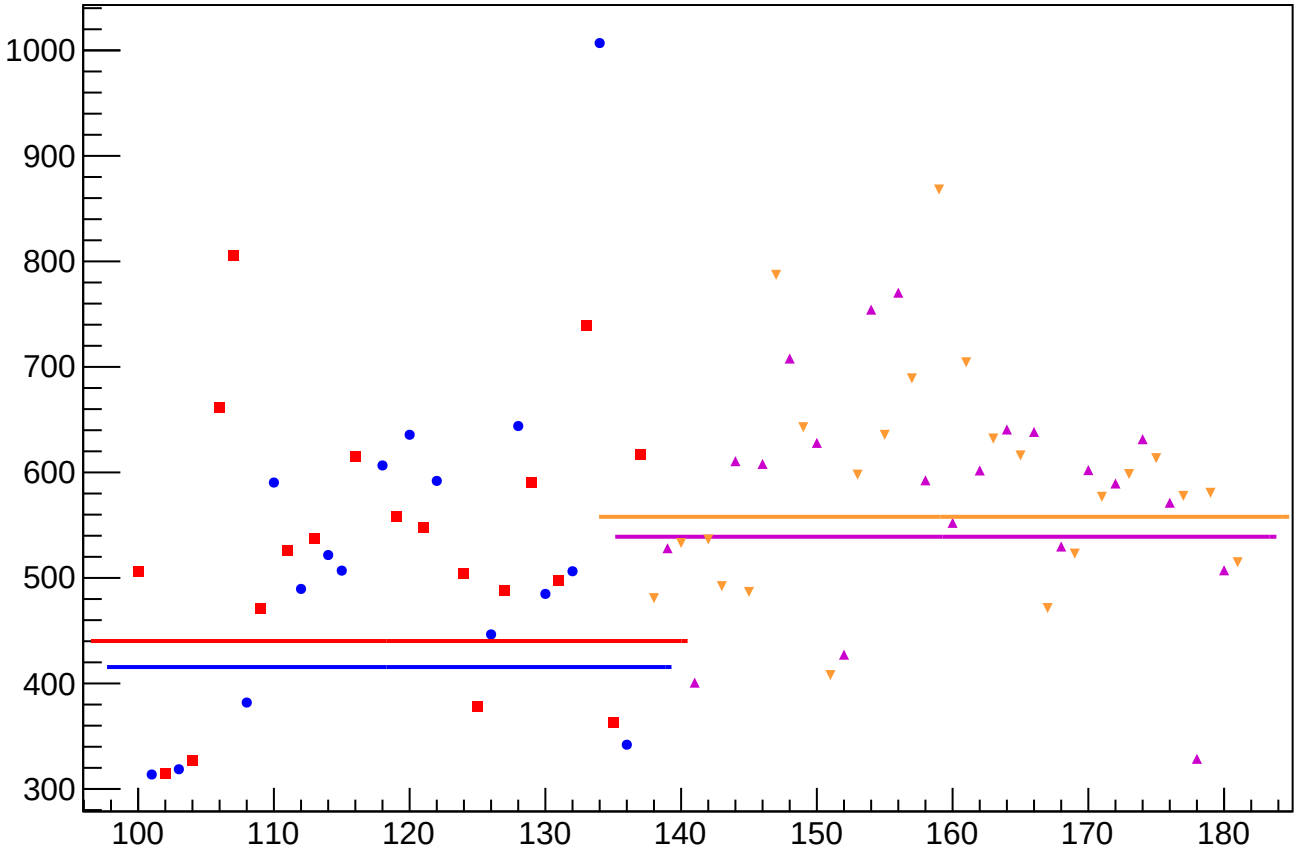
Left In: 127440.616+/-0.142 χ^2/NDF:937716086.7/20

+ sign 131354.220+/-0.107 χ^2/NDF: 4144761542.7

All: 131033.102+/-0.077 χ^2/NDF: 76167619

- sign 130691.641+/-0.111 χ^2/NDF: 3453499717.7/

yield_bpm0l03WS_rms vs Slug



Right In: 415.547+/-0.119 χ^2/NDF: 1031600.7/15

Left Out: 557.952+/-0.098 χ^2/NDF:892080.6/22

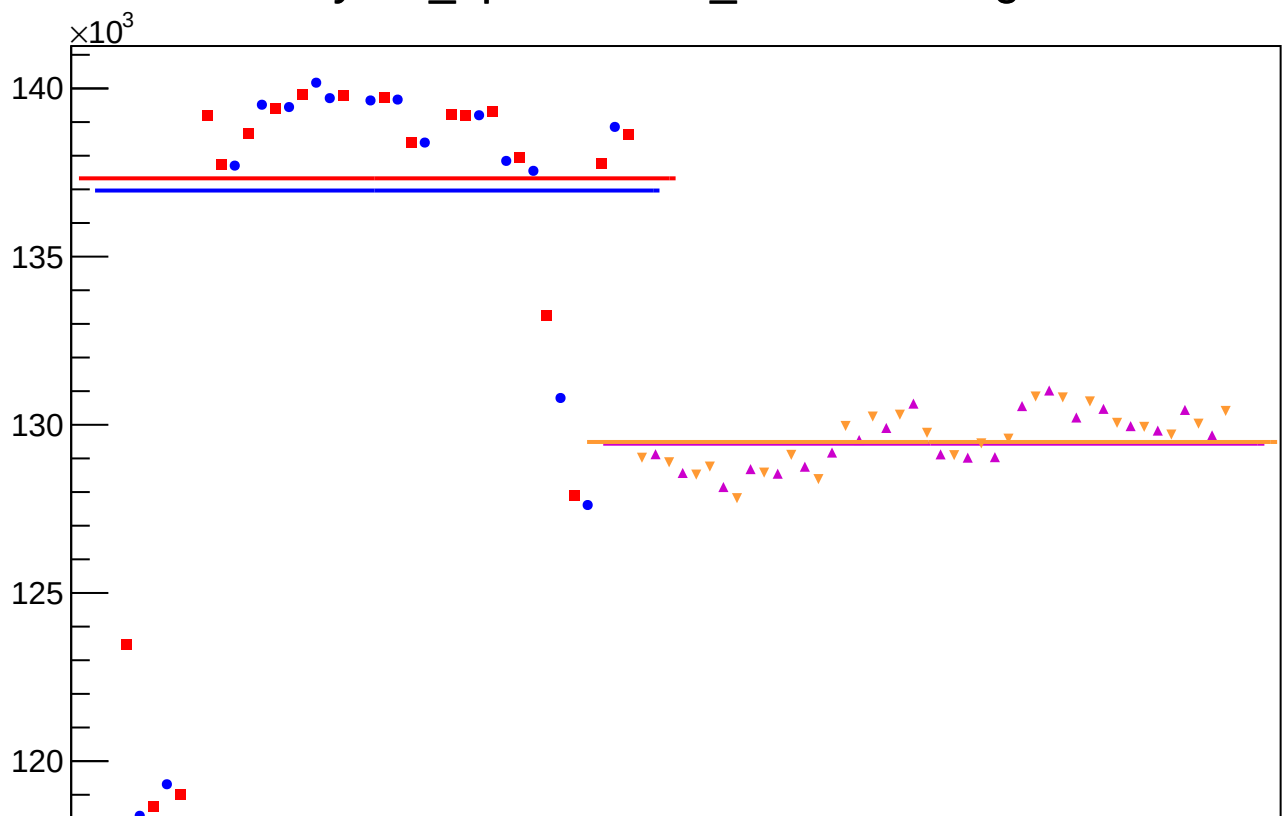
Right Out: 440.218+/-0.125 χ^2/NDF: 910790.1/18

Left In: 539.029+/-0.100 χ^2/NDF:1322043.6/20

\+ sign 500.322+/-0.076 χ^2/NDF: 2773314.2/38

All: 500.319+/-0.054 χ^2/NDF: 5386654.2/78

\- sign 500.315+/-0.078 χ^2/NDF: 2613340.0/39



Right In: 136964.958+/-0.070 χ^2/NDF: 5807770301.4/15

Left Out: 129489.328+/-0.048 χ^2/NDF:295436398.5/22

Right Out: 137327.469+/-0.066 χ^2/NDF: 5737745895.7/18

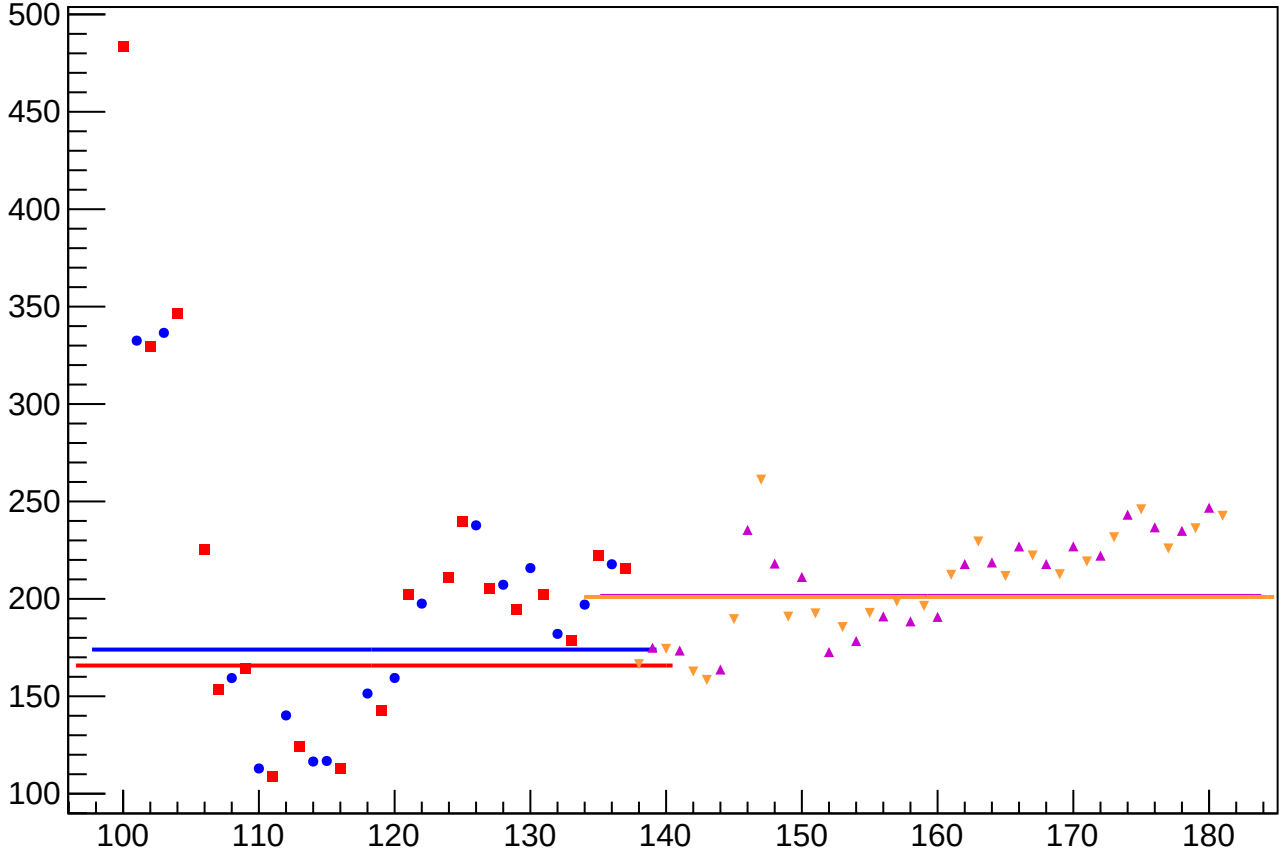
Left In: 129437.596+/-0.049 χ^2/NDF:267722481.0/20

+ sign 131877.097+/-0.039 χ^2/NDF: 13926272557.

All: 132080.791+/-0.028 χ^2/NDF: 29222831

- sign 132284.653+/-0.039 χ^2/NDF: 15243100485.8

yield_bpm0l04WS_rms vs Slug



Right In: 173.982+/-0.049 χ^2/NDF: 1188493.1/15

Left Out: 200.979+/-0.034 χ^2/NDF:631772.3/22

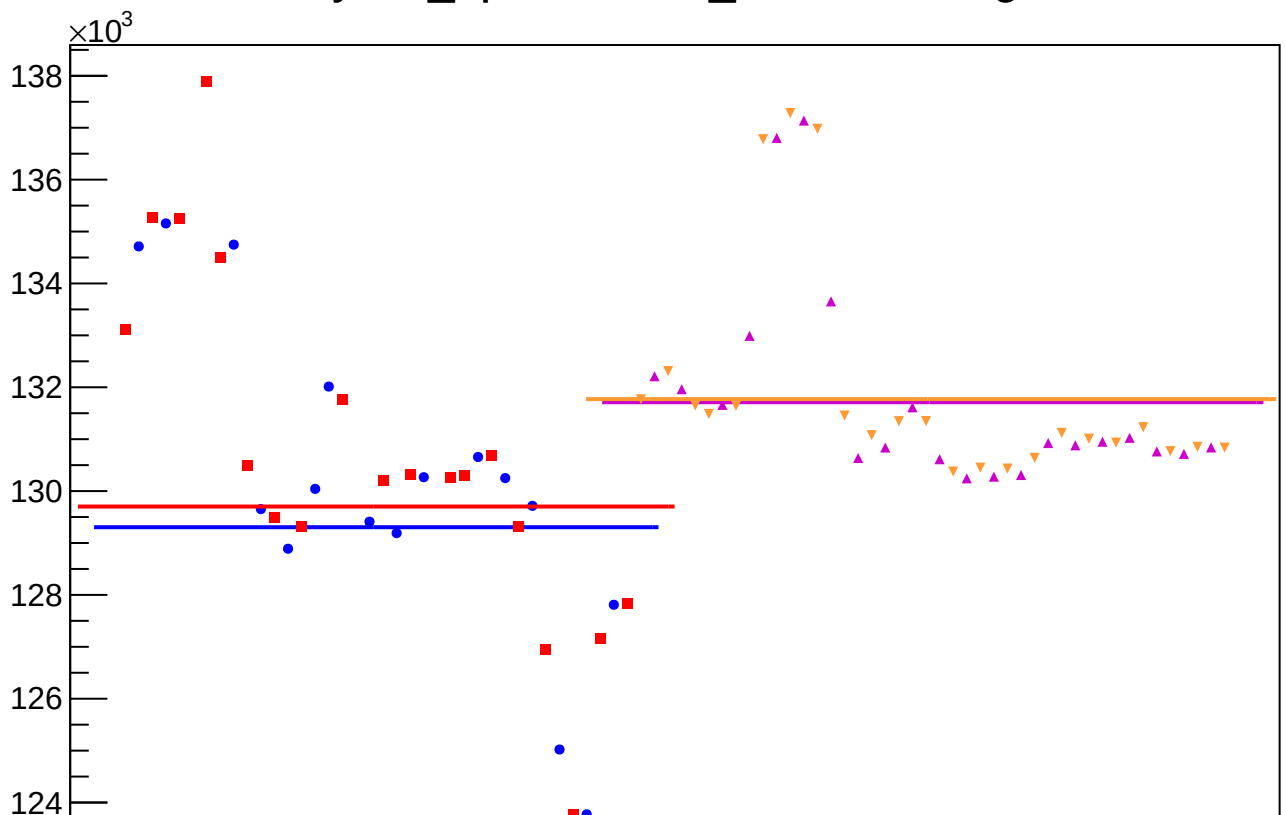
Right Out: 165.780+/-0.046 χ^2/NDF: 1433162.4/18

Left In: 201.496+/-0.035 χ^2/NDF:567983.9/20

+ sign 192.356+/-0.028 χ^2/NDF: 2024327.7/38

All: 190.483+/-0.020 χ^2/NDF: 4413097.6/78

- sign 188.608+/-0.028 χ^2/NDF: 2379726.3/39



Right In: 129303.894+/-0.066 χ^2/NDF: 1650235360.7/15

Left Out: 131772.288+/-0.048 χ^2/NDF:1397174867.8/22

Right Out: 129702.568+/-0.062 χ^2/NDF: 1777723481.2/18

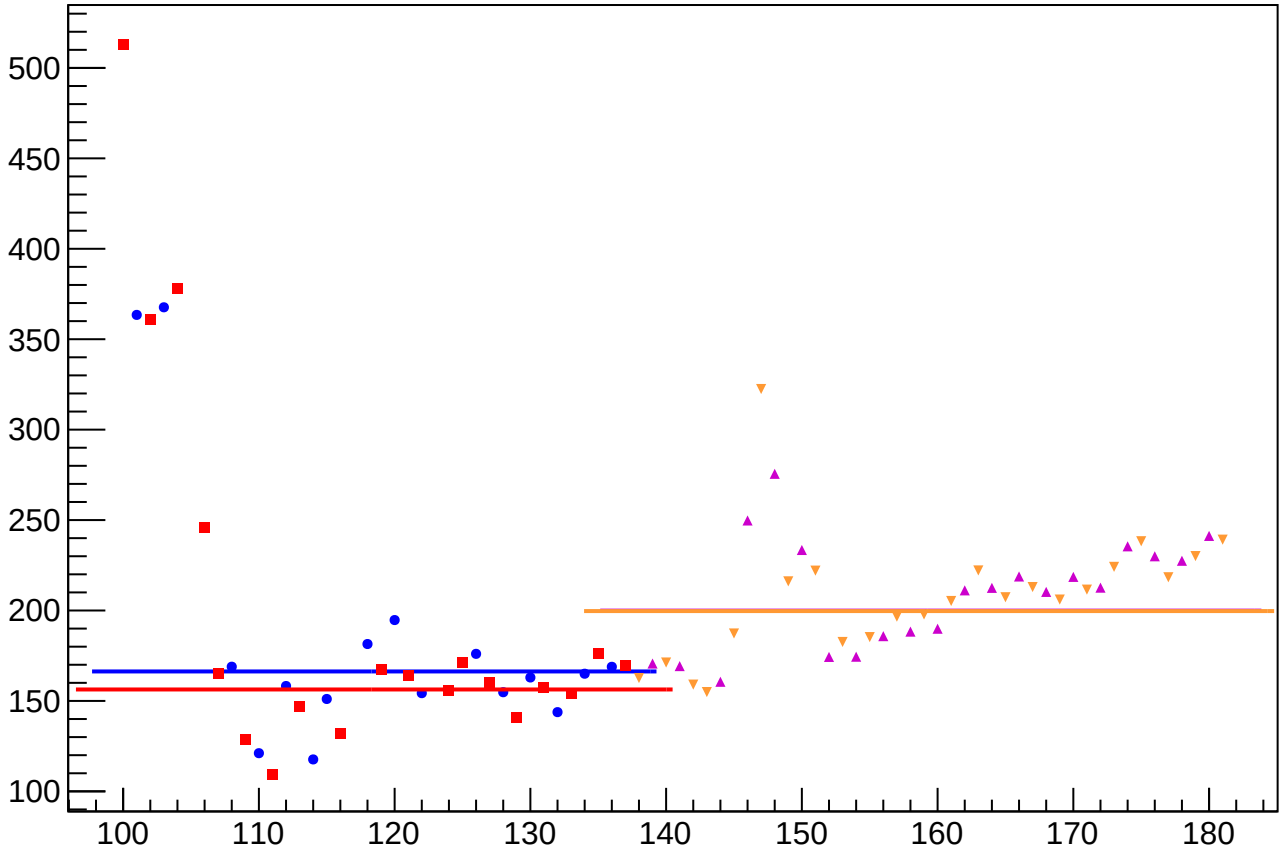
Left In: 131711.961+/-0.049 χ^2/NDF:1133412144.6/20

+ sign 130930.494+/-0.039 χ^2/NDF: 3963559293.6

All: 130930.813+/-0.027 χ^2/NDF: 75264876

- sign 130931.127+/-0.038 χ^2/NDF: 3562928249.9/

yield_bpm0l05WS_rms vs Slug



Right In: 166.302+/-0.047 χ^2/NDF: 937947.6/15

Left Out: 199.680+/-0.034 χ^2/NDF:783338.9/22

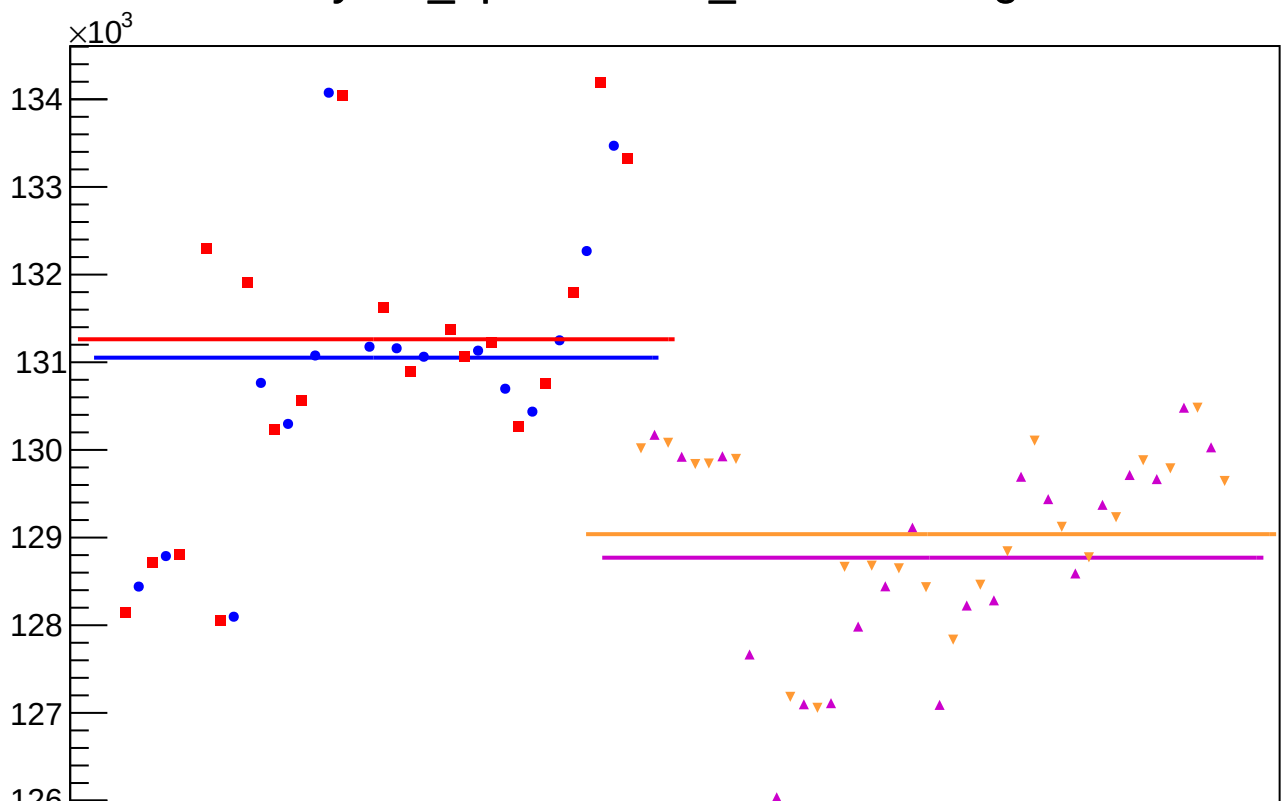
Right Out: 156.334+/-0.044 χ^2/NDF: 1172834.9/18

Left In: 199.936+/-0.035 χ^2/NDF:708790.0/20

+ sign 188.297+/-0.027 χ^2/NDF: 2056305.4/38

All: 185.624+/-0.019 χ^2/NDF: 4570684.8/78

- sign 182.992+/-0.027 χ^2/NDF: 2495407.8/39



Right In: 131052.422+/-0.061 χ^2/NDF: 523713045.8/15

Left Out: 129038.891+/-0.046 χ^2/NDF:528615519.9/22

Right Out: 131262.232+/-0.057 χ^2/NDF: 604278186.1/18

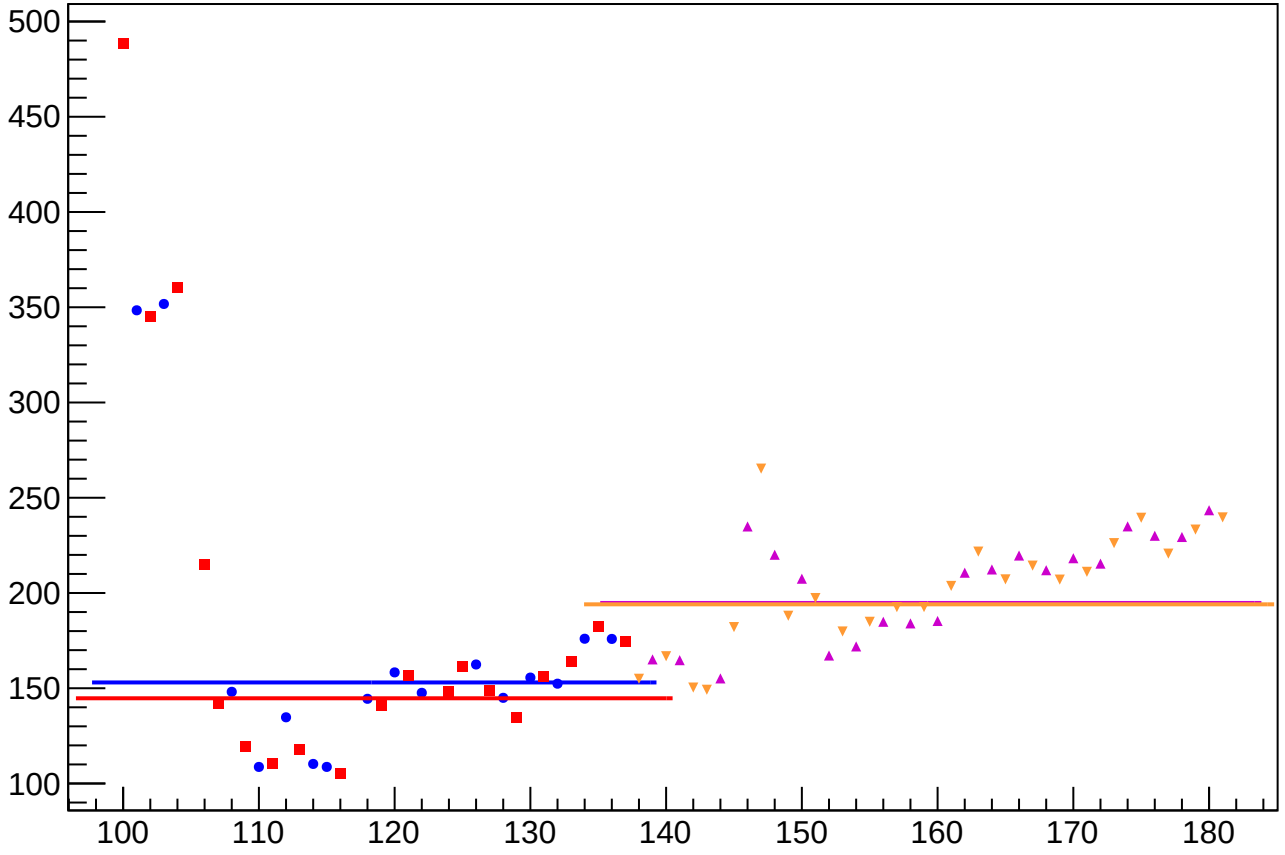
Left In: 128770.498+/-0.048 χ^2/NDF:653182154.7/20

+ sign 129778.701+/-0.037 χ^2/NDF: 1749771578.0

All: 129791.695+/-0.026 χ^2/NDF: 41387336

- sign 129804.509+/-0.037 χ^2/NDF: 2388713899.6/

yield_bpm0l06WS_rms vs Slug



Right In: 153.043+/-0.043 χ^2/NDF: 1059470.3/15

Left Out: 194.050+/-0.033 χ^2/NDF:783153.1/22

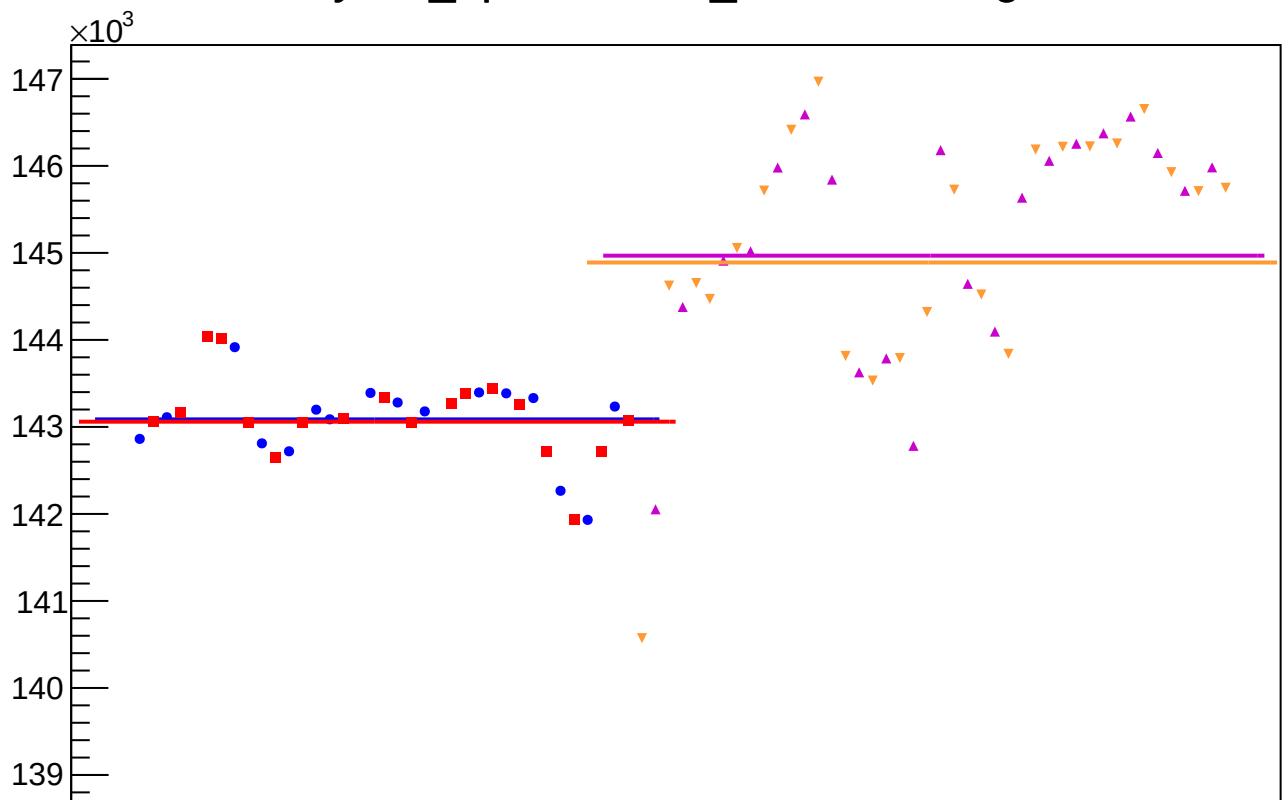
Right Out: 144.731+/-0.040 χ^2/NDF: 1263423.6/18

Left In: 194.768+/-0.034 χ^2/NDF:663080.7/20

+ sign 178.983+/-0.026 χ^2/NDF: 2421176.6/38

All: 176.476+/-0.018 χ^2/NDF: 5278532.2/78

- sign 174.004+/-0.026 χ^2/NDF: 2838876.4/39



Right In: 143086.477+/-0.065 χ^2/NDF: 46726277.8/15

Left Out: 144889.694+/-0.053 χ^2/NDF:825732348.0/22

Right Out: 143060.268+/-0.061 χ^2/NDF: 51715744.7/18

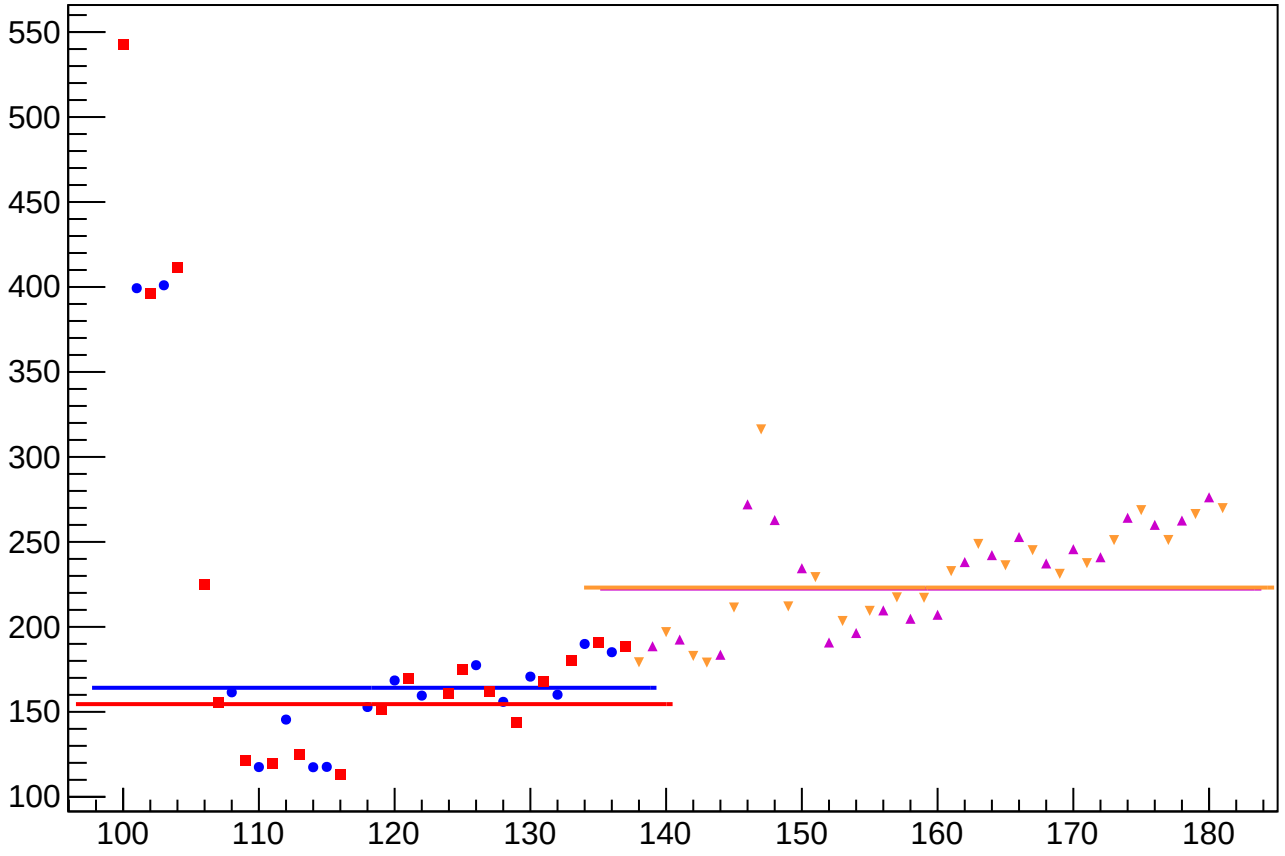
Left In: 144968.168+/-0.055 χ^2/NDF:615789019.3/20

+ sign 144168.972+/-0.041 χ^2/NDF: 1333281981.4/

All: 144141.856+/-0.029 χ^2/NDF: 25488777

- sign 144115.522+/-0.041 χ^2/NDF: 1214739678.1/

yield_bpm0l07WS_rms vs Slug



Right In: 164.167+/-0.046 χ^2/NDF: 1129764.4/15

Left Out: 223.133+/-0.038 χ^2/NDF:656009.0/22

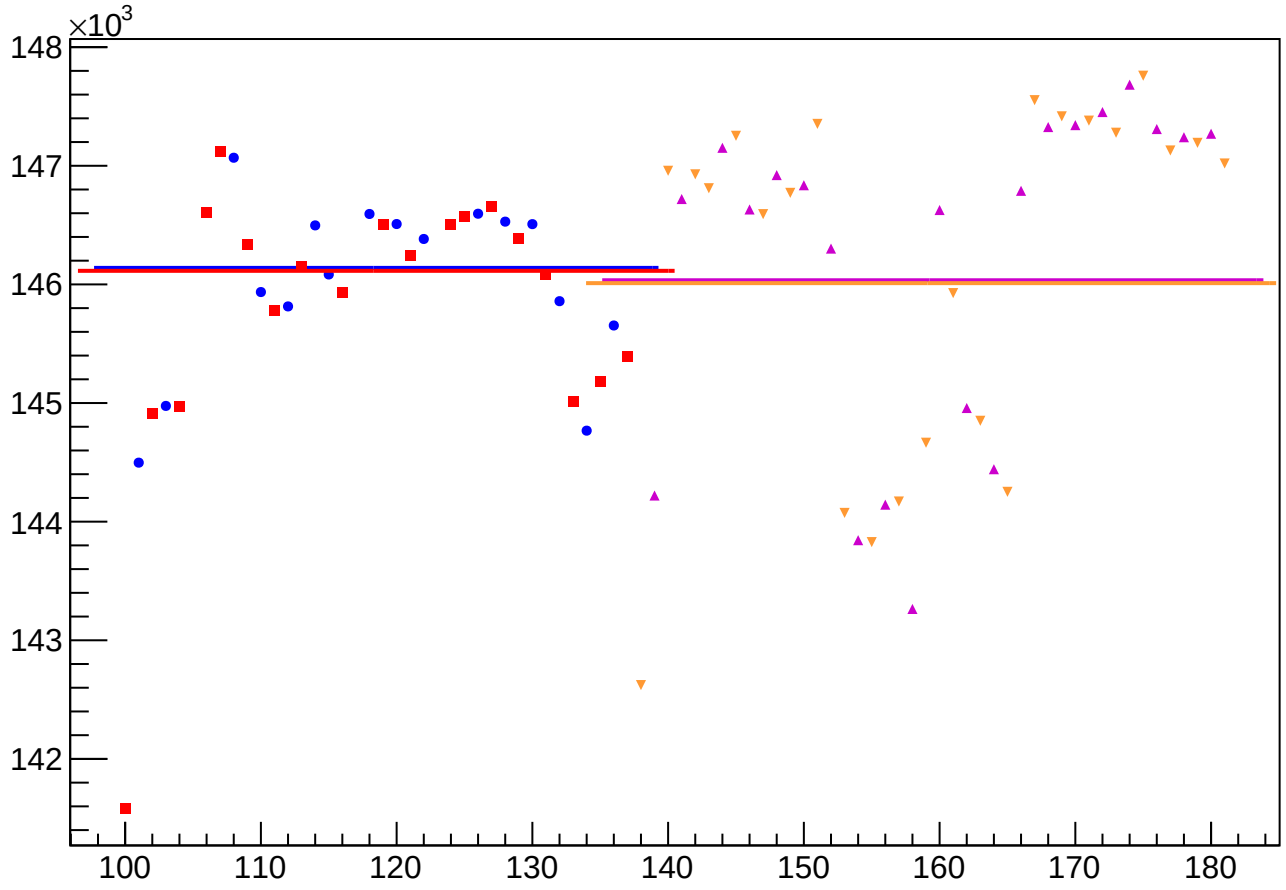
Right Out: 154.558+/-0.043 χ^2/NDF: 1366830.5/18

Left In: 222.535+/-0.039 χ^2/NDF:616767.2/20

+ sign 199.565+/-0.029 χ^2/NDF: 2771322.8/38

All: 195.806+/-0.020 χ^2/NDF: 6177190.7/78

- sign 192.156+/-0.029 χ^2/NDF: 3372969.3/39



Right In: 146139.237+/-0.067 χ^2/NDF: 71721843.8/15

Left Out: 146010.626+/-0.053 χ^2/NDF:871365198.6/22

Right Out: 146114.458+/-0.062 χ^2/NDF: 73102068.4/18

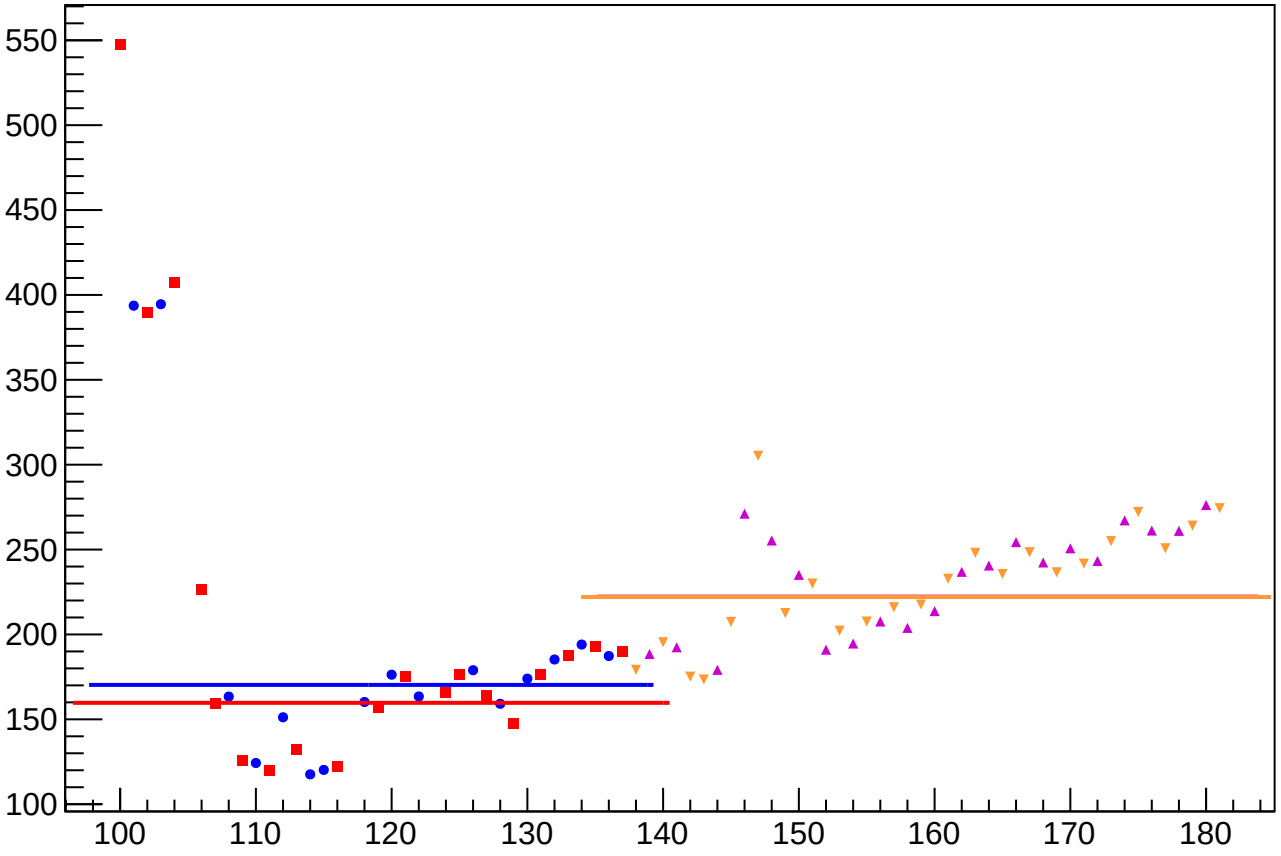
Left In: 146034.894+/-0.055 χ^2/NDF:694066720.6/20

+ sign 146059.628+/-0.042 χ^2/NDF: 945341435.2/3

All: 146064.513+/-0.029 χ^2/NDF: 17134583

- sign 146069.275+/-0.041 χ^2/NDF: 768089700.9/3

yield_bpm0l08WS_rms vs Slug



Right In: 170.279+/-0.048 χ^2/NDF: 1057631.0/15

Left Out: 222.047+/-0.037 χ^2/NDF:725787.6/22

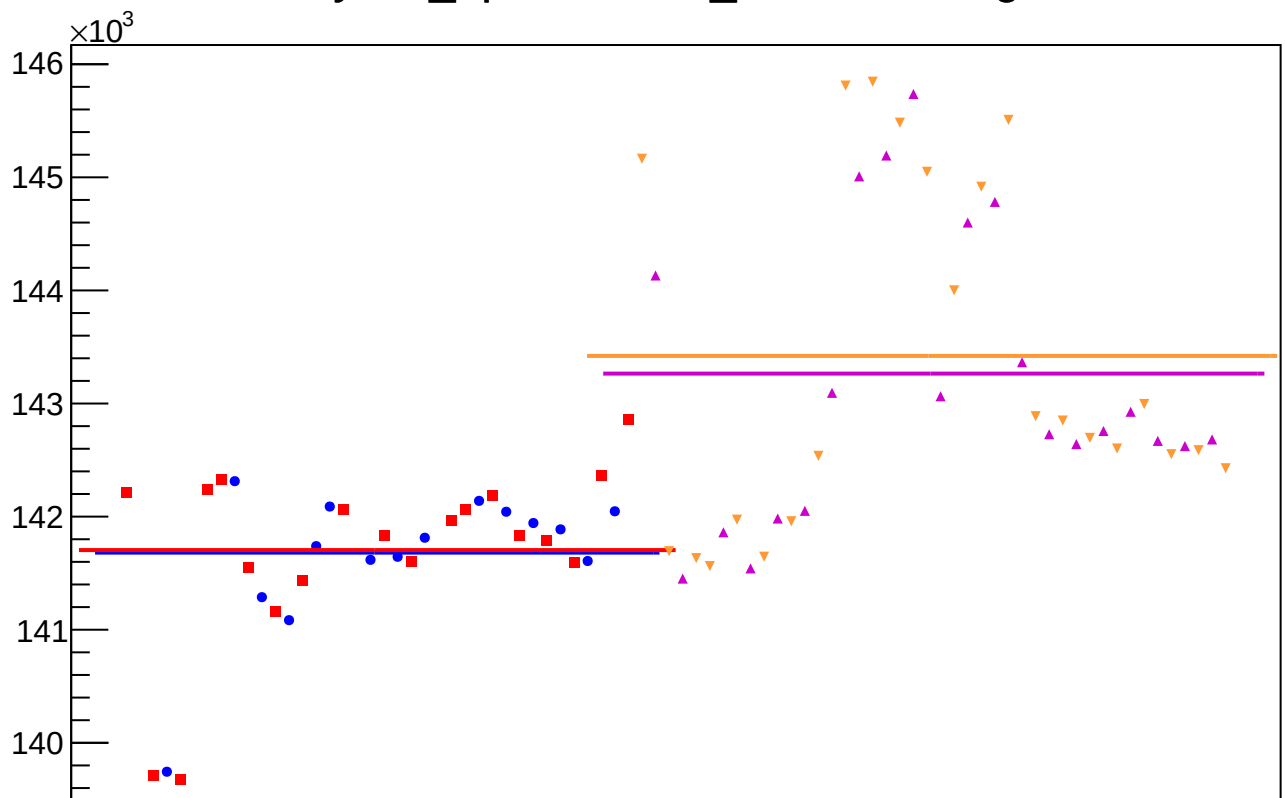
Right Out: 159.724+/-0.044 χ^2/NDF: 1291290.8/18

Left In: 222.296+/-0.039 χ^2/NDF:646970.8/20

+ sign 202.322+/-0.029 χ^2/NDF: 2513921.1/38

All: 198.745+/-0.021 χ^2/NDF: 5620522.9/78

- sign 195.258+/-0.029 χ^2/NDF: 3077391.5/39



Right In: 141681.846+/-0.068 χ^2/NDF: 64292997.9/15

Left Out: 143420.937+/-0.055 χ^2/NDF:772735441.1/22

Right Out: 141704.185+/-0.064 χ^2/NDF: 65526811.0/18

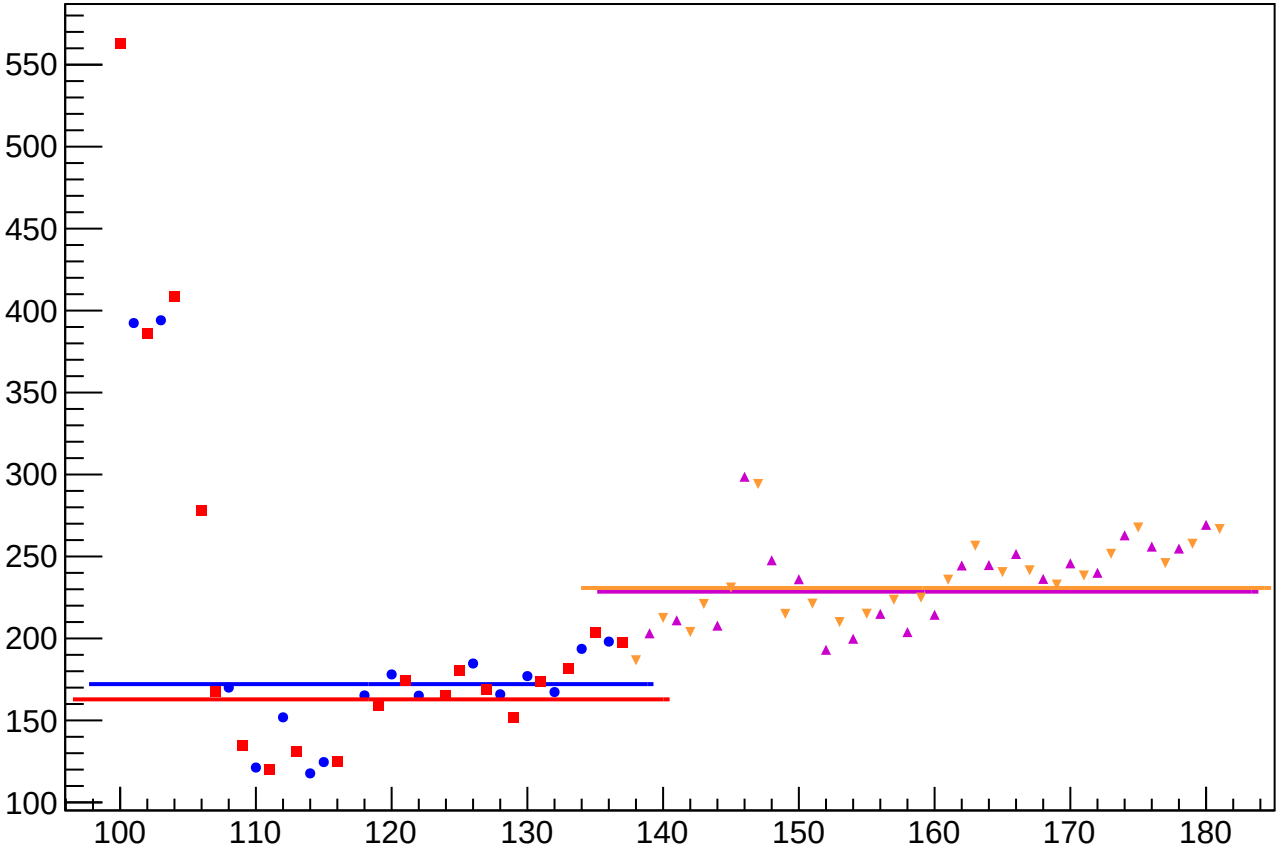
Left In: 143264.613+/-0.056 χ^2/NDF:524337192.1/20

+ sign 142741.965+/-0.043 χ^2/NDF: 1232594831.7

All: 142663.466+/-0.030 χ^2/NDF: 216773169

- sign 142587.256+/-0.042 χ^2/NDF: 928462655.9/3

yield_bpm0l09WS_rms vs Slug



Right In: 172.139+/-0.048 χ^2/NDF: 1068587.8/15

Left Out: 230.800+/-0.039 χ^2/NDF:351641.3/22

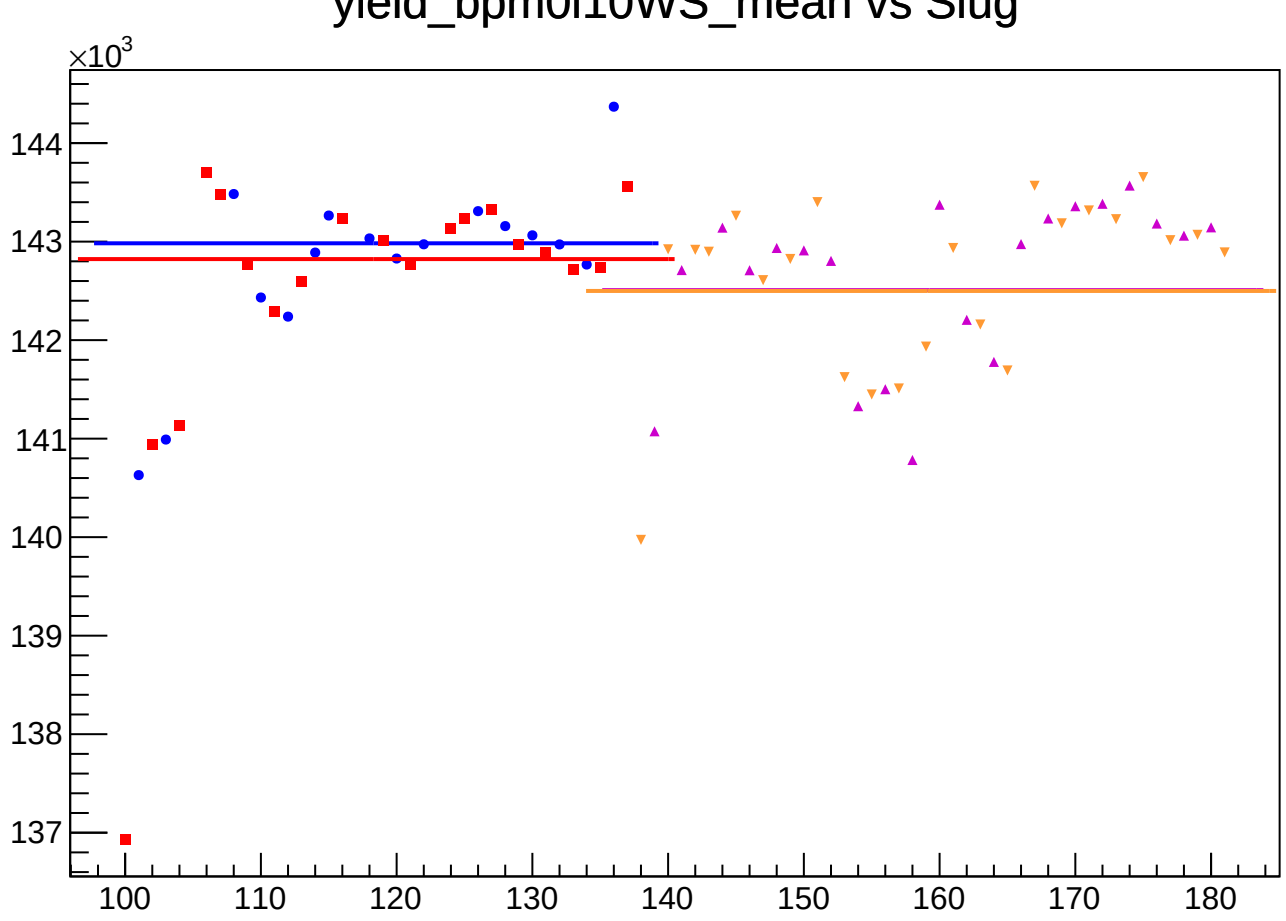
Right Out: 162.845+/-0.045 χ^2/NDF: 1305855.8/18

Left In: 228.537+/-0.040 χ^2/NDF:430797.3/20

+ sign 207.898+/-0.030 χ^2/NDF: 2320361.7/38

All: 203.901+/-0.021 χ^2/NDF: 5291823.9/78

- sign 200.021+/-0.030 χ^2/NDF: 2936861.2/39



Right In: 142983.006+/-0.069 χ^2/NDF: 107696217.2/15

Left Out: 142499.315+/-0.052 χ^2/NDF:336352925.9/22

Right Out: 142822.727+/-0.064 χ^2/NDF: 63581232.6/18

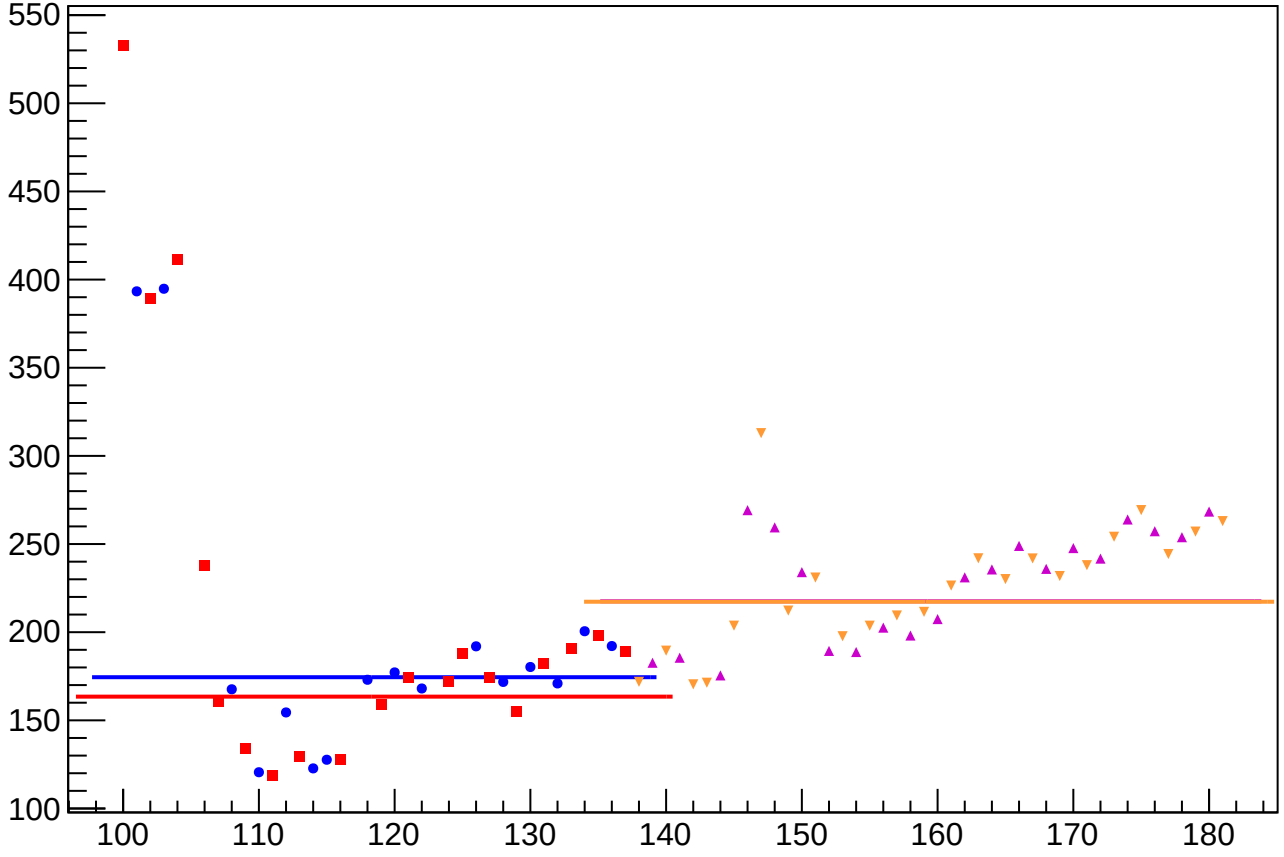
Left In: 142507.845+/-0.053 χ^2/NDF:269271251.6/20

+ sign 142673.021+/-0.041 χ^2/NDF: 475441284.3/3

All: 142654.725+/-0.029 χ^2/NDF: 82295787

- sign 142636.813+/-0.041 χ^2/NDF: 347130377.6/3

yield_bpm0l10WS_rms vs Slug



Right In: 174.467+/-0.049 χ^2/NDF: 1049126.7/15

Left Out: 217.275+/-0.037 χ^2/NDF:773860.2/22

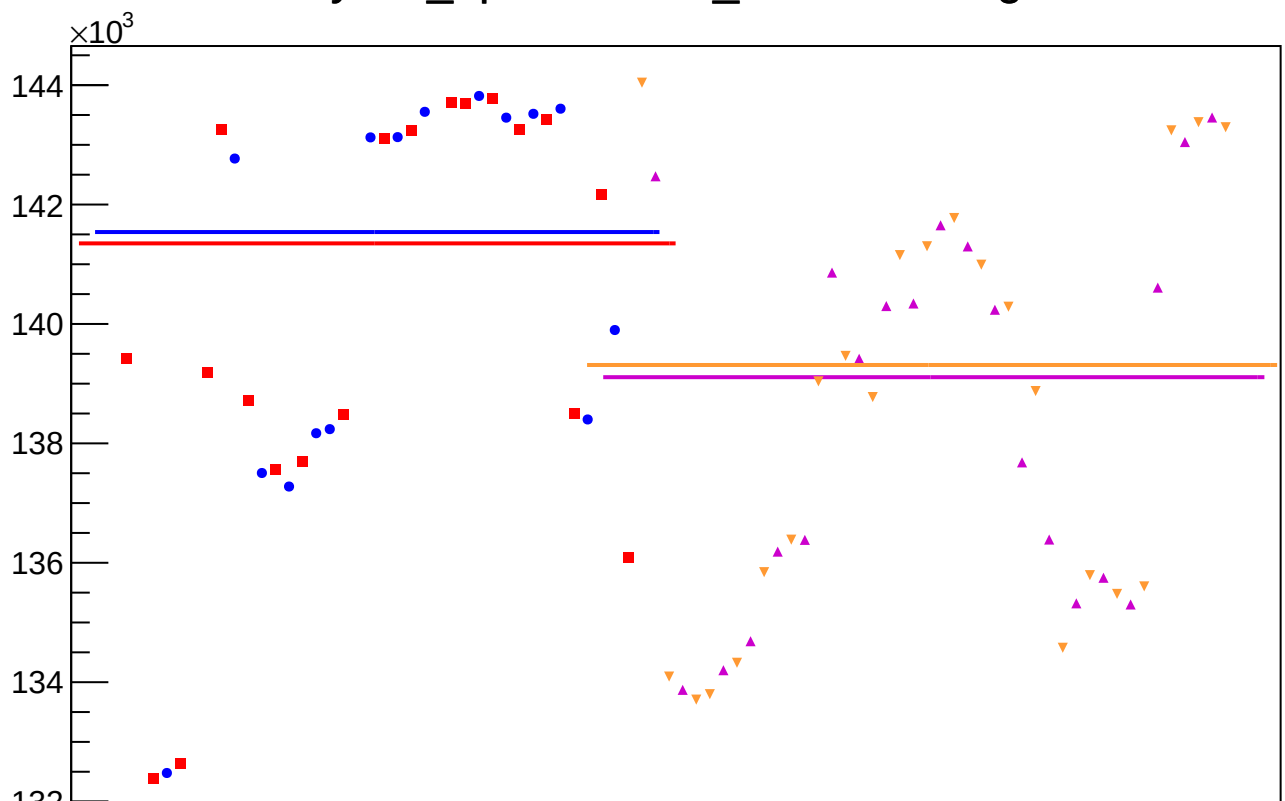
Right Out: 163.448+/-0.045 χ^2/NDF: 1282494.1/18

Left In: 217.520+/-0.038 χ^2/NDF:698091.1/20

+ sign 201.901+/-0.029 χ^2/NDF: 2314758.6/38

All: 198.603+/-0.021 χ^2/NDF: 5162511.7/78

- sign 195.374+/-0.029 χ^2/NDF: 2822647.6/39



Right In: 141539.467+/-0.101 χ^2/NDF: 947743743.7/15

Left Out: 139312.760+/-0.072 χ^2/NDF:2388762207.9/22

Right Out: 141349.499+/-0.101 χ^2/NDF: 926661757.9/18

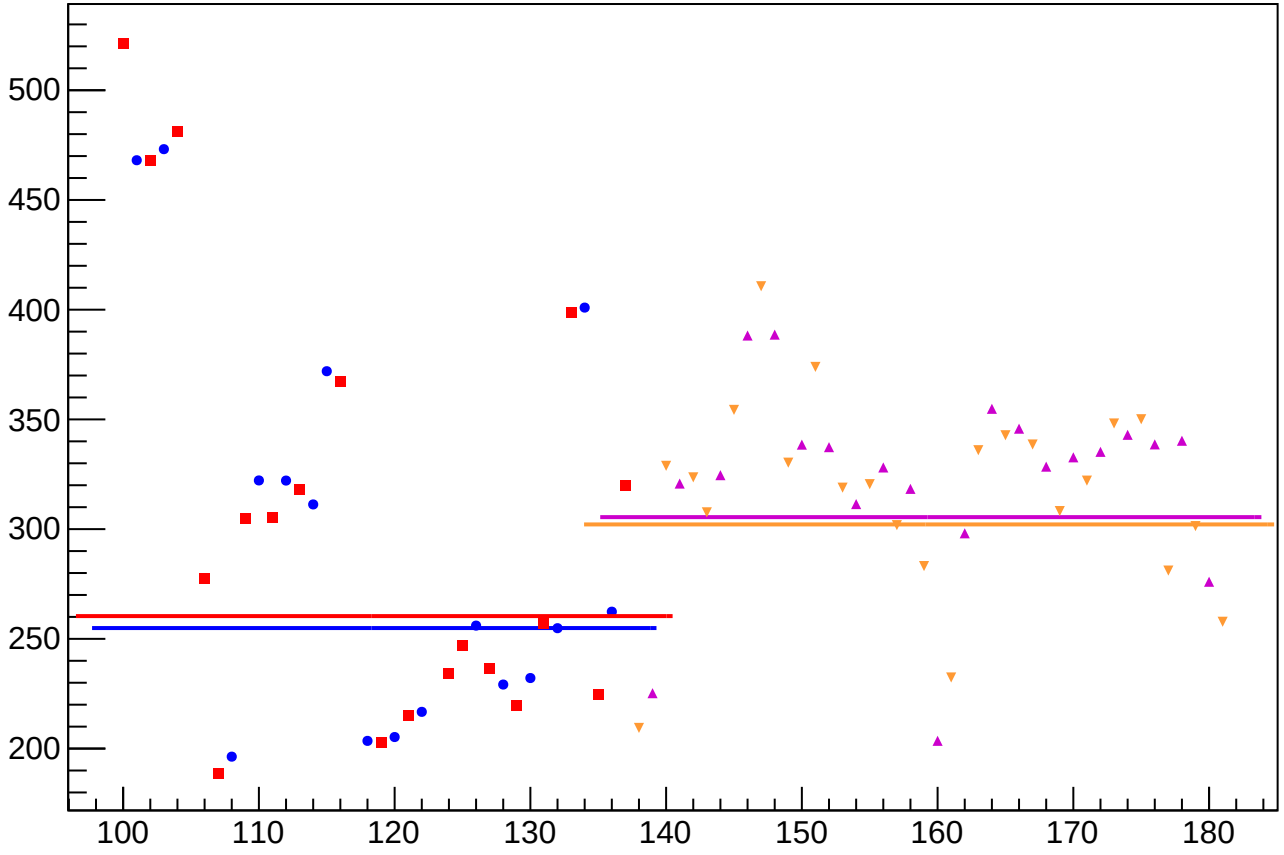
Left In: 139108.582+/-0.076 χ^2/NDF:1736240545.5/20

+ sign 140069.792+/-0.059 χ^2/NDF: 3658517830.4

All: 139993.431+/-0.042 χ^2/NDF: 6640236

- sign 139912.468+/-0.061 χ^2/NDF: 2978241582.5/

yield_bpm0r03WS_rms vs Slug



Right In: 254.919+/-0.071 χ^2/NDF: 949952.1/15

Left Out: 302.141+/-0.051 χ^2/NDF:868526.1/22

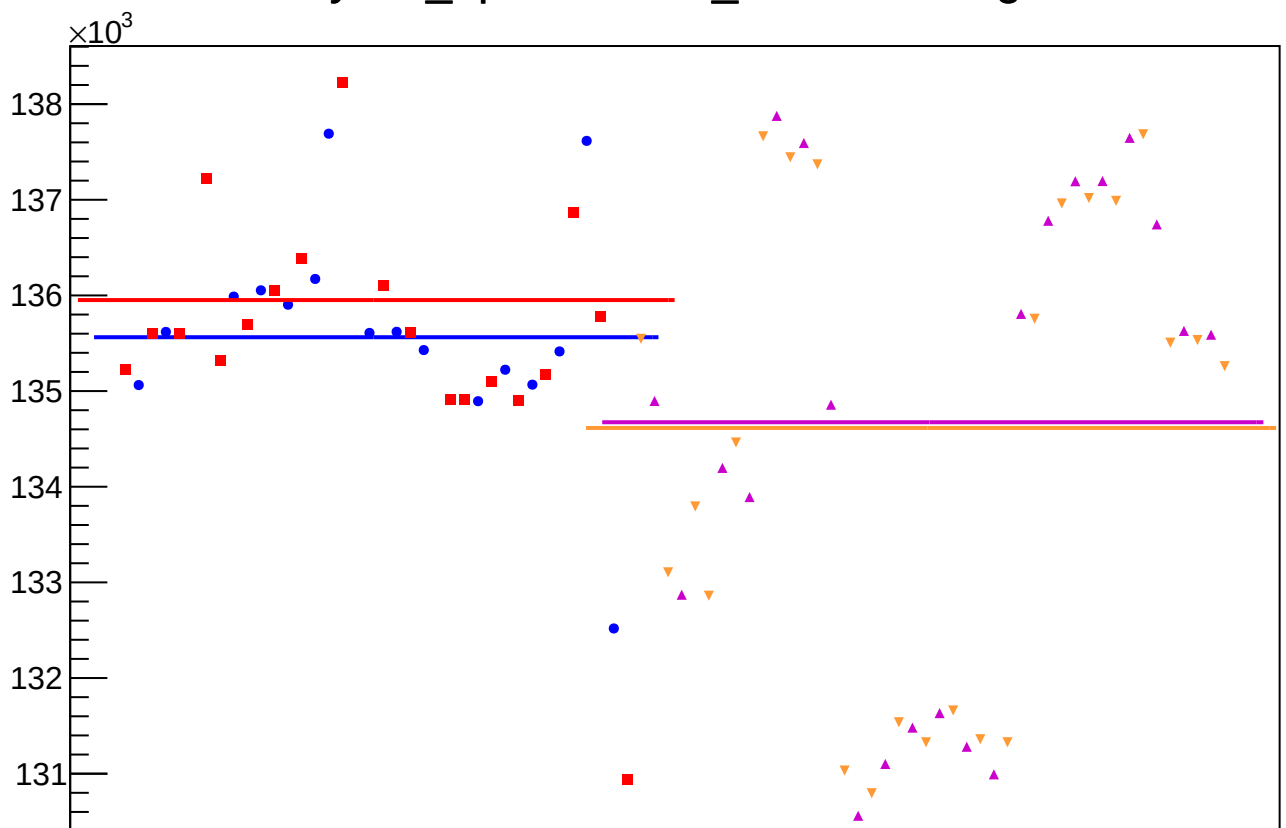
Right Out: 260.369+/-0.071 χ^2/NDF: 993300.6/18

Left In: 305.468+/-0.053 χ^2/NDF:959431.9/20

+ sign 286.087+/-0.042 χ^2/NDF: 2108121.2/38

All: 287.641+/-0.030 χ^2/NDF: 4319184.1/78

- sign 289.290+/-0.043 χ^2/NDF: 2208180.6/39



Right In: 135563.062+/-0.118 χ^2/NDF: 94169293.7/15

Left Out: 134614.488+/-0.065 χ^2/NDF:1201082758.9/22

Right Out: 135951.486+/-0.106 χ^2/NDF: 91577209.6/18

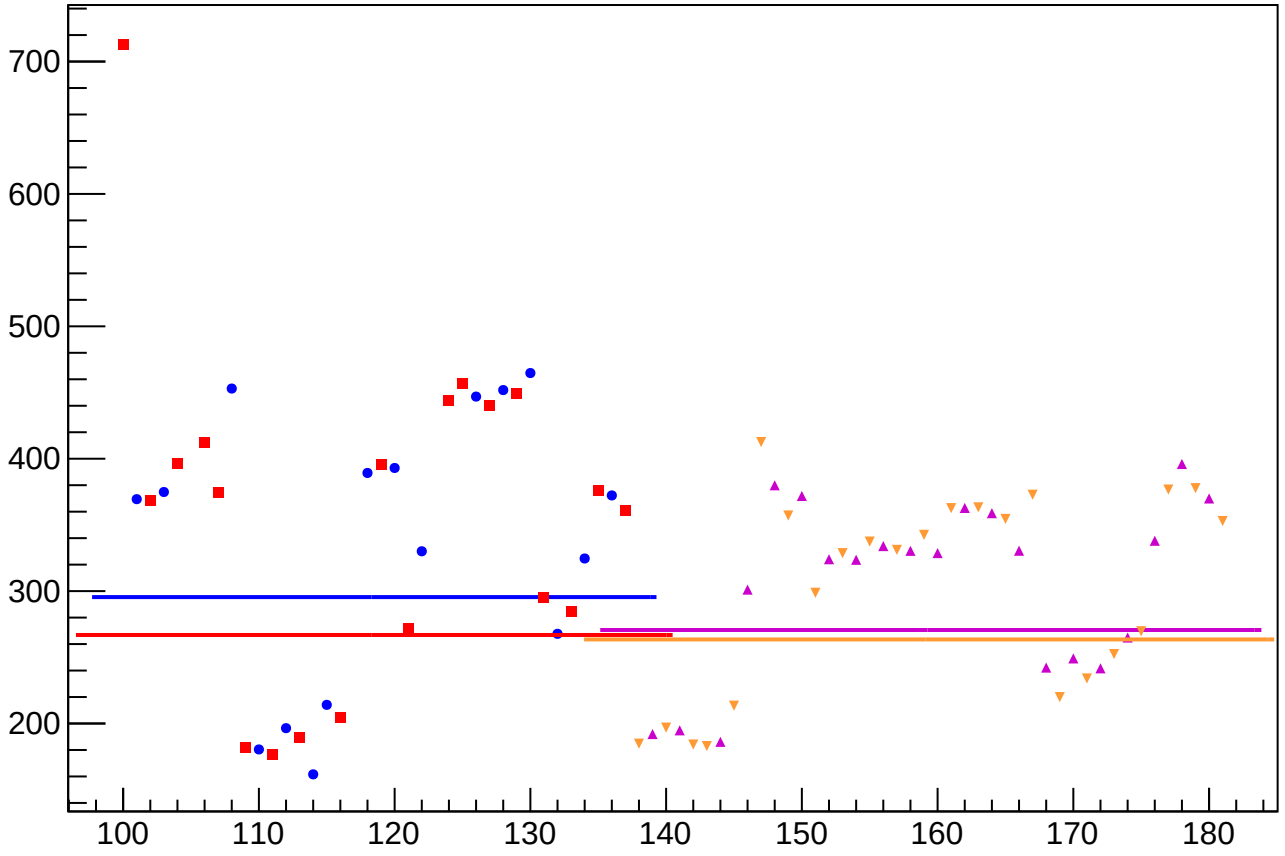
Left In: 134674.170+/-0.068 χ^2/NDF:1096121418.1/20

+ sign 134832.006+/-0.057 χ^2/NDF: 1344757899.9

All: 134937.066+/-0.040 χ^2/NDF: 2641847

- sign 135044.257+/-0.057 χ^2/NDF: 1290147850.5/

yield_bpm0r05WS_rms vs Slug



Right In: 295.481+/-0.084 χ^2/NDF: 1442531.9/15

Left Out: 263.487+/-0.046 χ^2/NDF:2601832.3/22

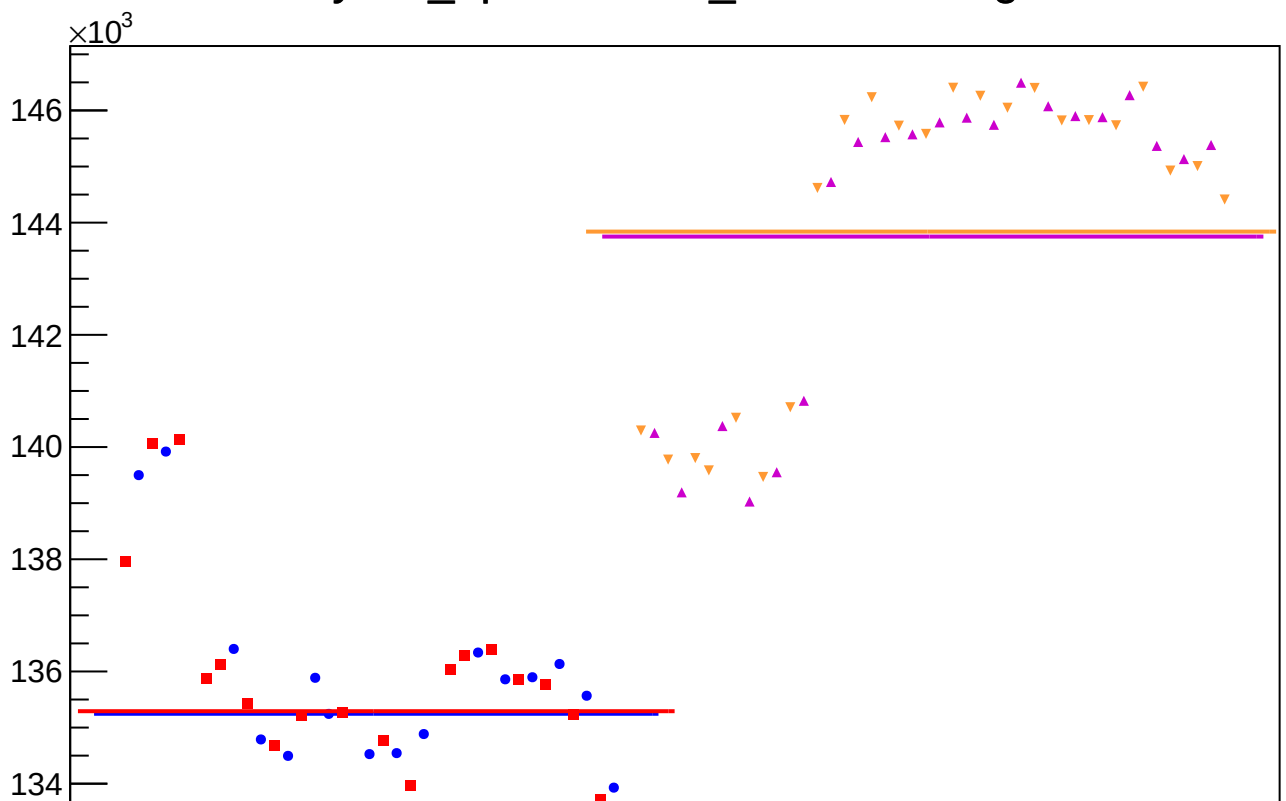
Right Out: 266.864+/-0.075 χ^2/NDF: 1678073.6/18

Left In: 270.626+/-0.048 χ^2/NDF:2054933.9/20

+ sign 270.824+/-0.040 χ^2/NDF: 4157002.3/38

All: 270.187+/-0.028 χ^2/NDF: 7892298.6/78

- sign 269.536+/-0.040 χ^2/NDF: 3734785.4/39



Right In: 135246.269+/-0.055 χ^2/NDF: 388384719.1/15

Left Out: 143840.330+/-0.049 χ^2/NDF:3125897170.5/22

Right Out: 135291.851+/-0.052 χ^2/NDF: 381790556.0/18

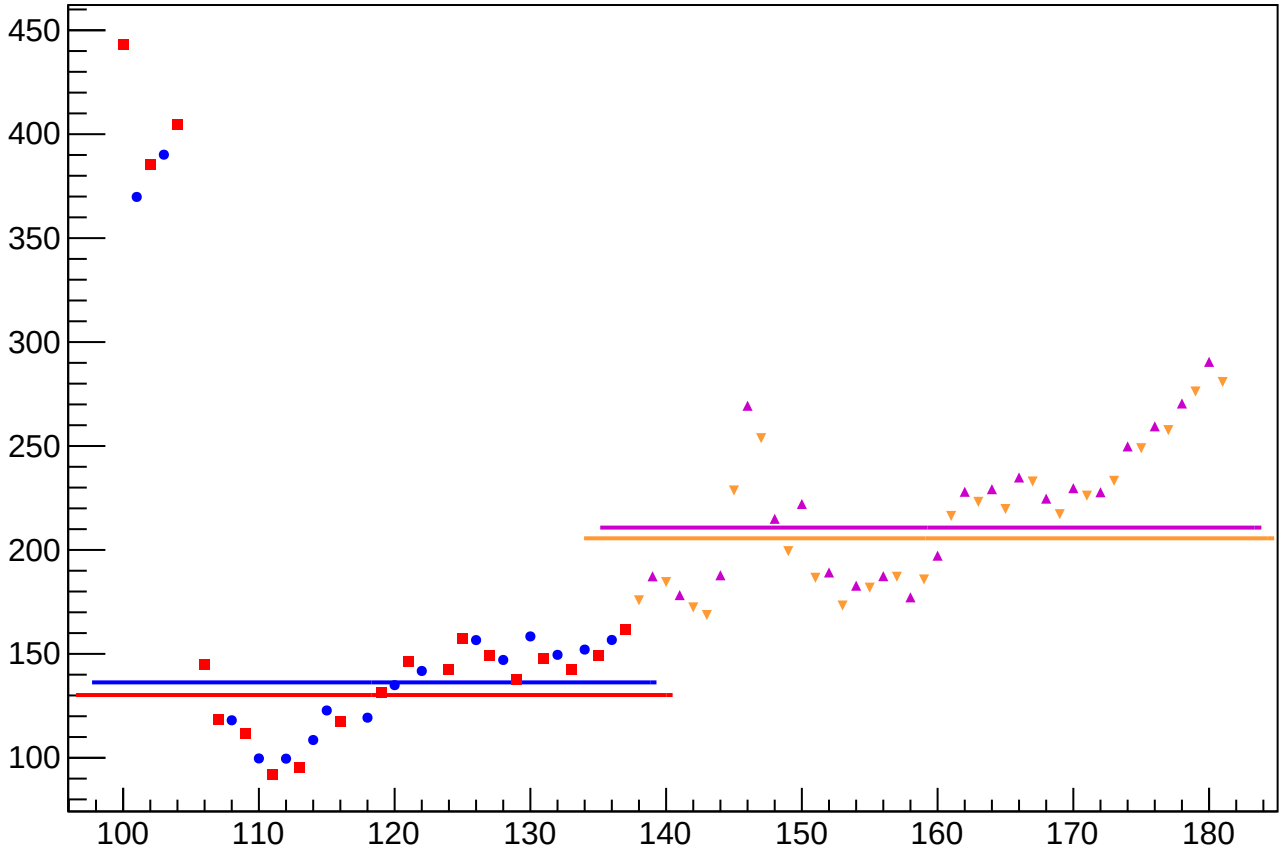
Left In: 143751.566+/-0.052 χ^2/NDF:2797049131.3/20

+ sign 140013.668+/-0.037 χ^2/NDF: 17196583506.

All: 139768.942+/-0.026 χ^2/NDF: 33832045

- sign 139523.264+/-0.037 χ^2/NDF: 16545451892.5

yield_bpm0i02WS_rms vs Slug



Right In: 136.285+/-0.039 χ^2/NDF: 1384057.4/15

Left Out: 205.593+/-0.035 χ^2/NDF:806340.8/22

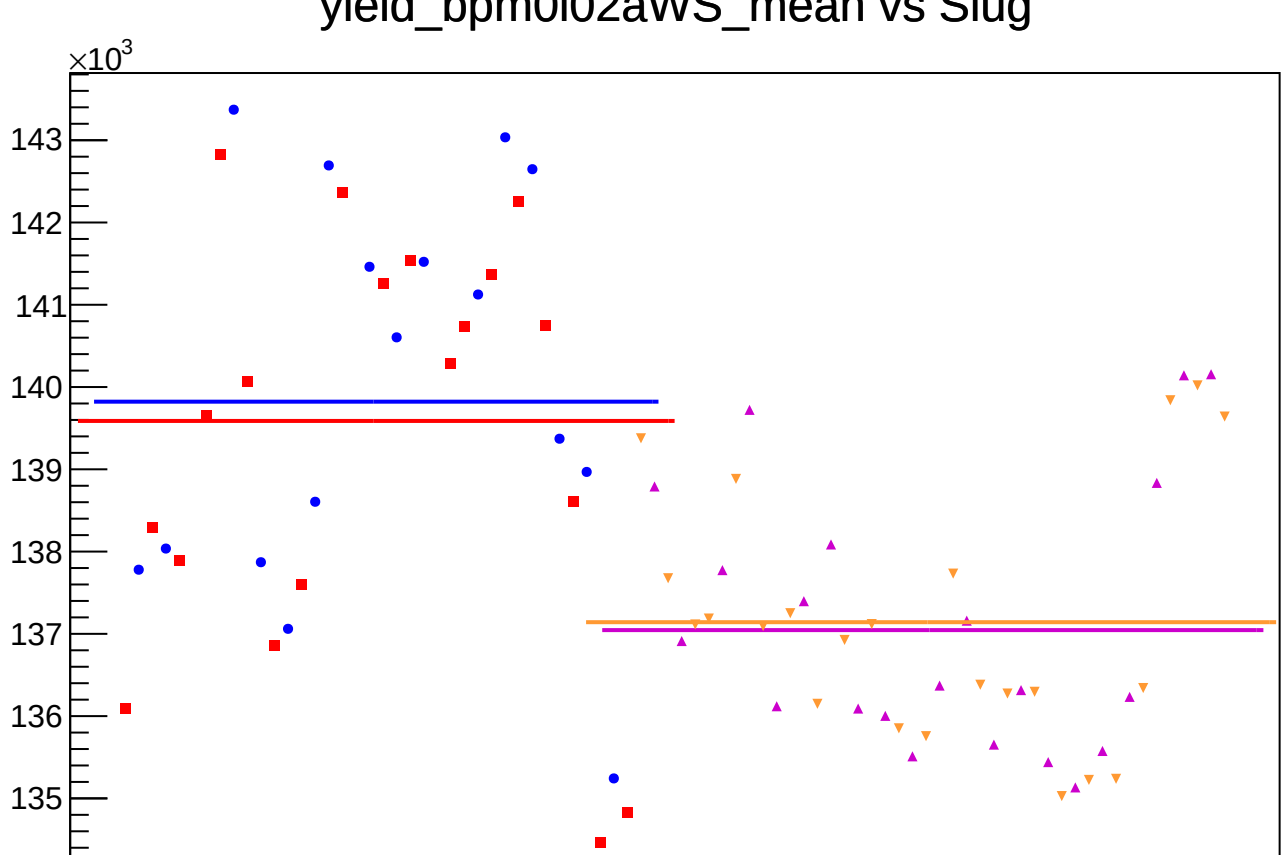
Right Out: 130.206+/-0.037 χ^2/NDF: 1520840.8/18

Left In: 210.747+/-0.037 χ^2/NDF:710272.1/20

+ sign 174.732+/-0.026 χ^2/NDF: 3970133.5/38

All: 172.616+/-0.018 χ^2/NDF: 8637829.2/78

- sign 170.491+/-0.026 χ^2/NDF: 4654232.2/39



Right In: 139822.122+/-0.063 χ^2/NDF: 1663381581.4/15

Left Out: 137141.679+/-0.050 χ^2/NDF:803301178.6/22

Right Out: 139587.876+/-0.060 χ^2/NDF: 1482934186.2/18

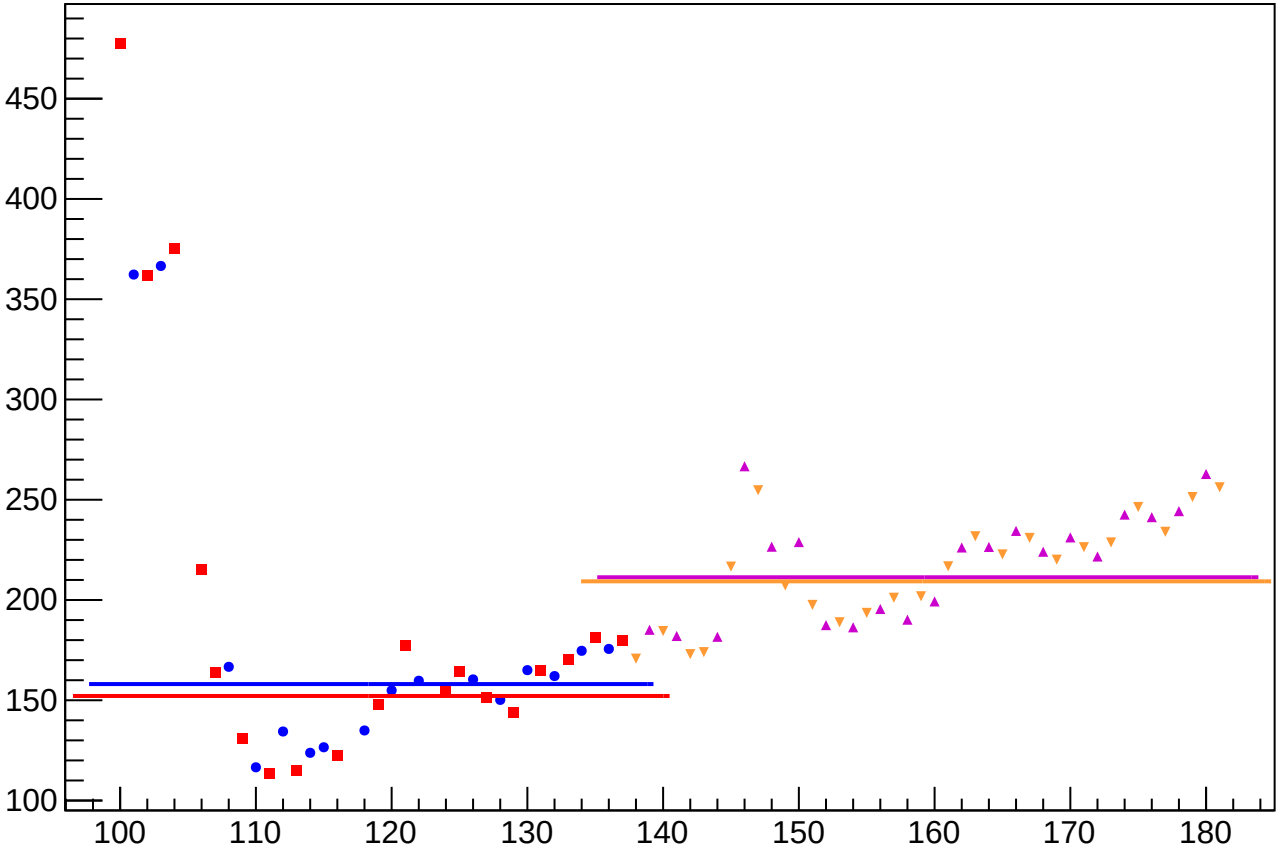
Left In: 137045.400+/-0.052 χ^2/NDF:792143227.0/20

+ sign 138180.524+/-0.039 χ^2/NDF: 3589836348.1

All: 138158.625+/-0.028 χ^2/NDF: 68999583

- sign 138136.544+/-0.039 χ^2/NDF: 3309485144.2/

yield_bpm0i02aWS_rms vs Slug



Right In: 158.079+/-0.044 χ^2/NDF: 1017928.9/15

Left Out: 209.311+/-0.035 χ^2/NDF:518759.7/22

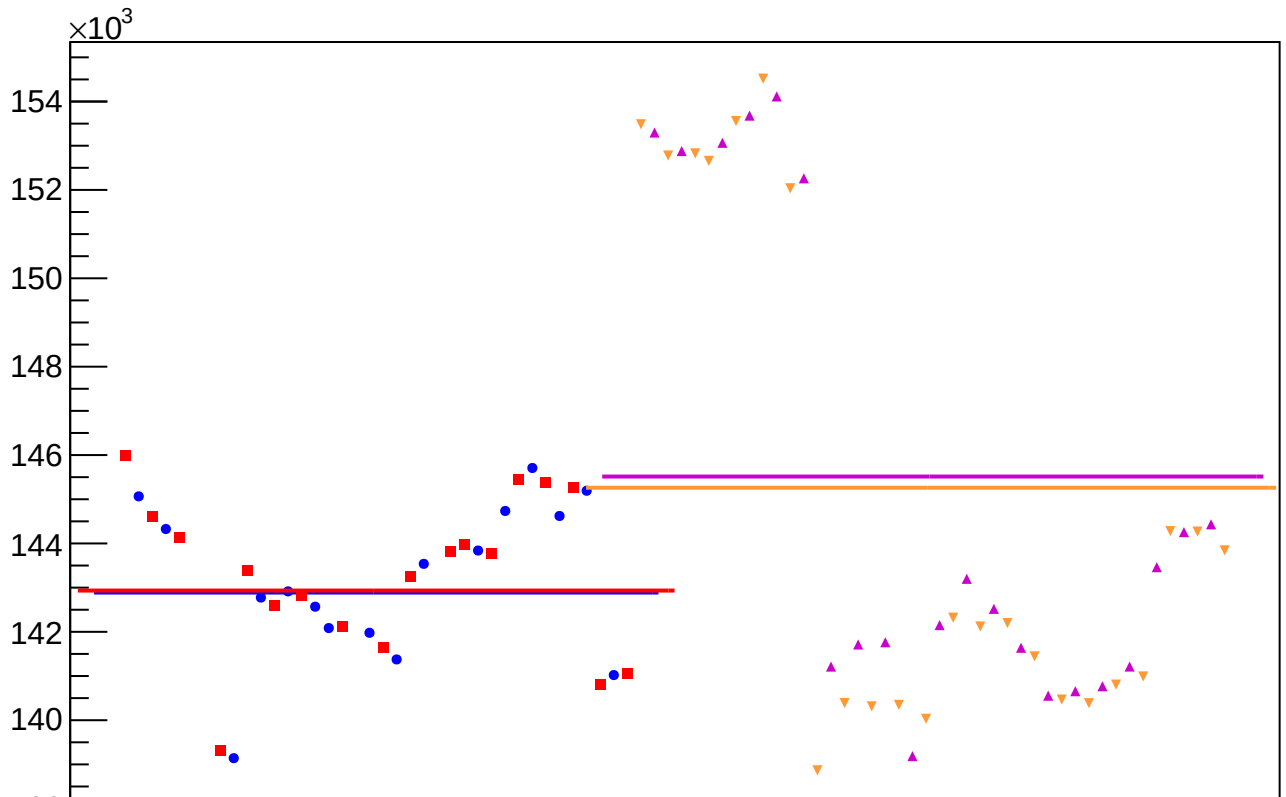
Right Out: 152.139+/-0.042 χ^2/NDF: 1229053.9/18

Left In: 211.335+/-0.037 χ^2/NDF:503564.6/20

+ sign 189.456+/-0.028 χ^2/NDF: 2357305.3/38

All: 187.700+/-0.020 χ^2/NDF: 5219561.3/78

- sign 185.930+/-0.028 χ^2/NDF: 2854103.6/39



Right In: 142889.386+/-0.066 χ^2/NDF: 763303771.6/15

Left Out: 145260.594+/-0.050 χ^2/NDF:13028642365.4722

Right Out: 142933.890+/-0.062 χ^2/NDF: 787386856.4/18

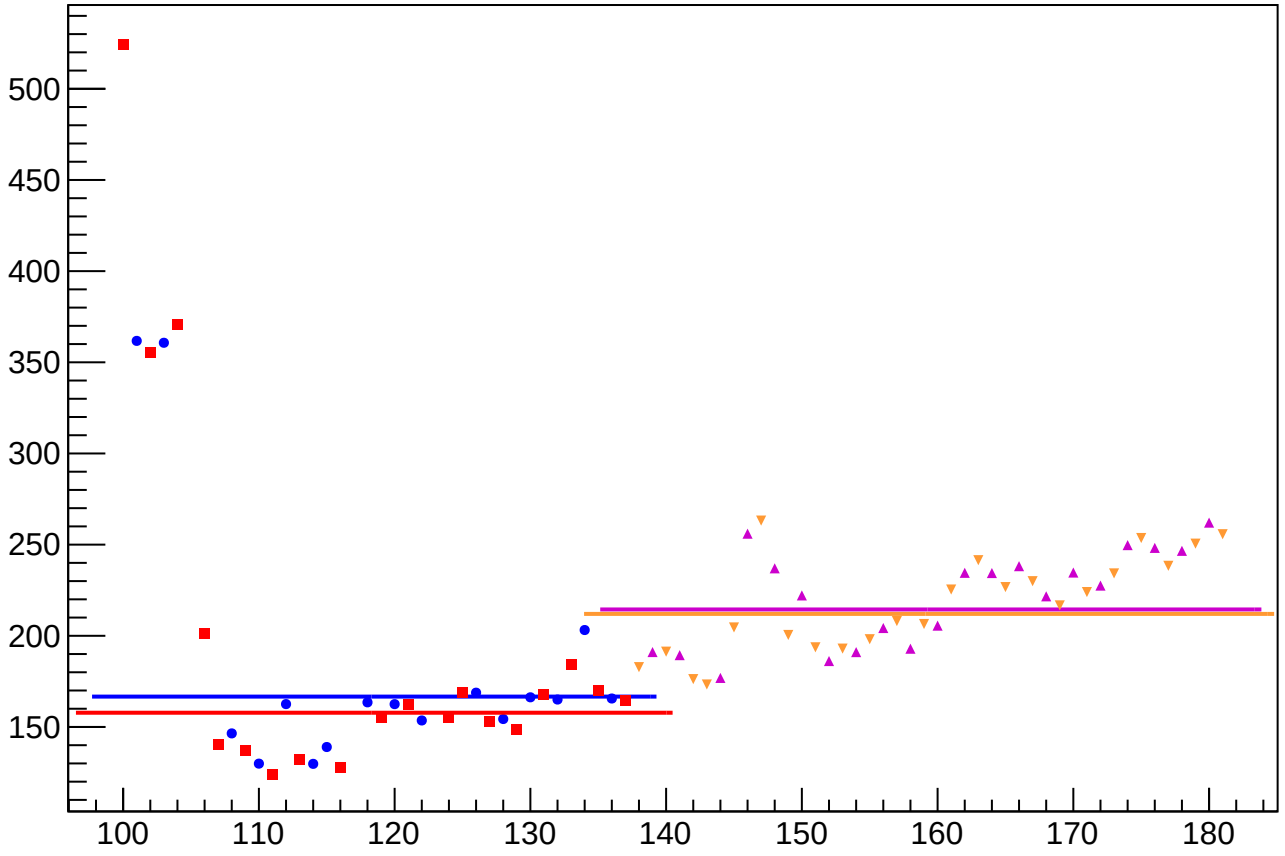
Left In: 145513.891+/-0.053 χ^2/NDF:11038439033.0/20

+ sign 144382.146+/-0.040 χ^2/NDF: 14612354798.

All: 144404.586+/-0.028 χ^2/NDF: 27456083

- sign 144426.983+/-0.040 χ^2/NDF: 12843098722.

yield_bpm0i05WS_rms vs Slug



Right In: 166.656+/-0.046 χ^2/NDF: 863574.7/15

Left Out: 212.010+/-0.036 χ^2/NDF:495461.0/22

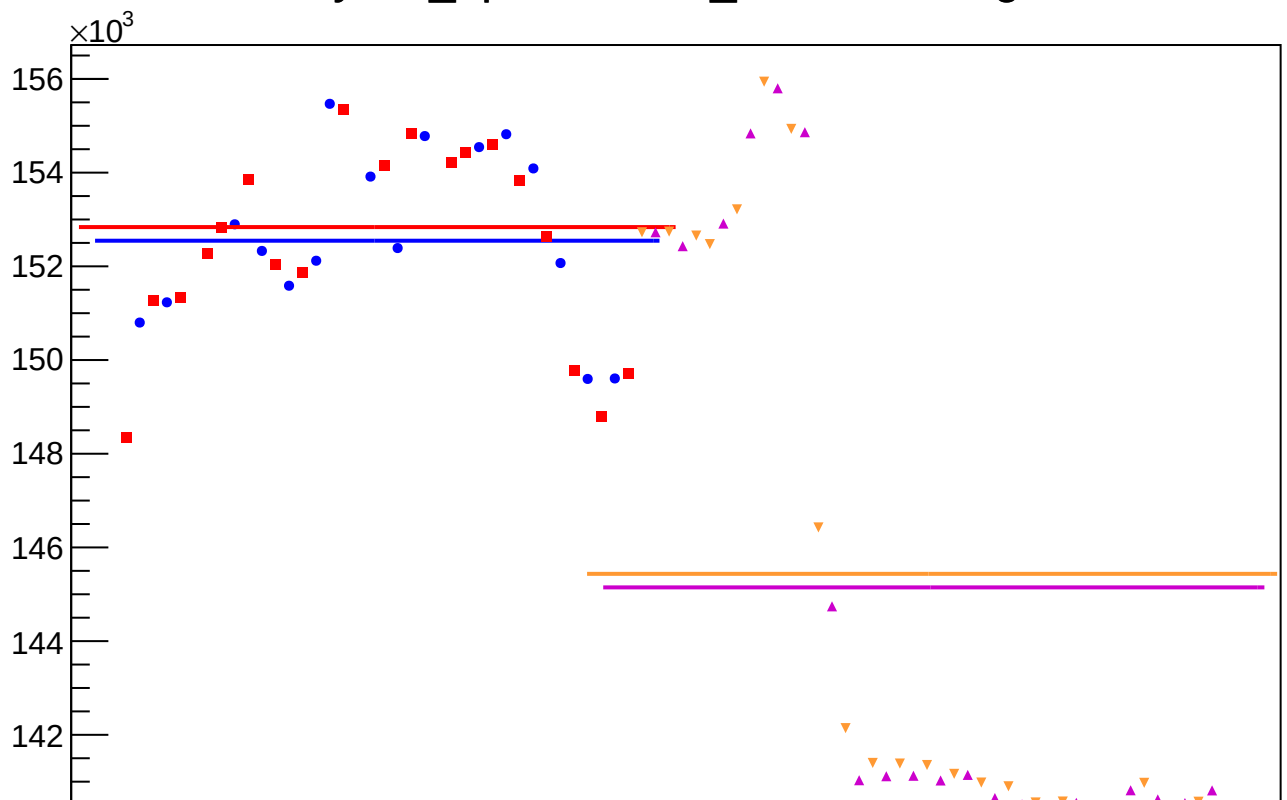
Right Out: 157.809+/-0.044 χ^2/NDF: 1022332.1/18

Left In: 214.446+/-0.037 χ^2/NDF:485437.9/20

+ sign 195.208+/-0.028 χ^2/NDF: 1959294.4/38

All: 192.895+/-0.020 χ^2/NDF: 4460902.1/78

- sign 190.586+/-0.028 χ^2/NDF: 2488229.2/39



Right In: 152546.899+/-0.073 χ^2/NDF: 654540559.6/15

Left Out: 145436.167+/-0.050 χ^2/NDF:13364156712.8/22

Right Out: 152837.888+/-0.067 χ^2/NDF: 736907066.8/18

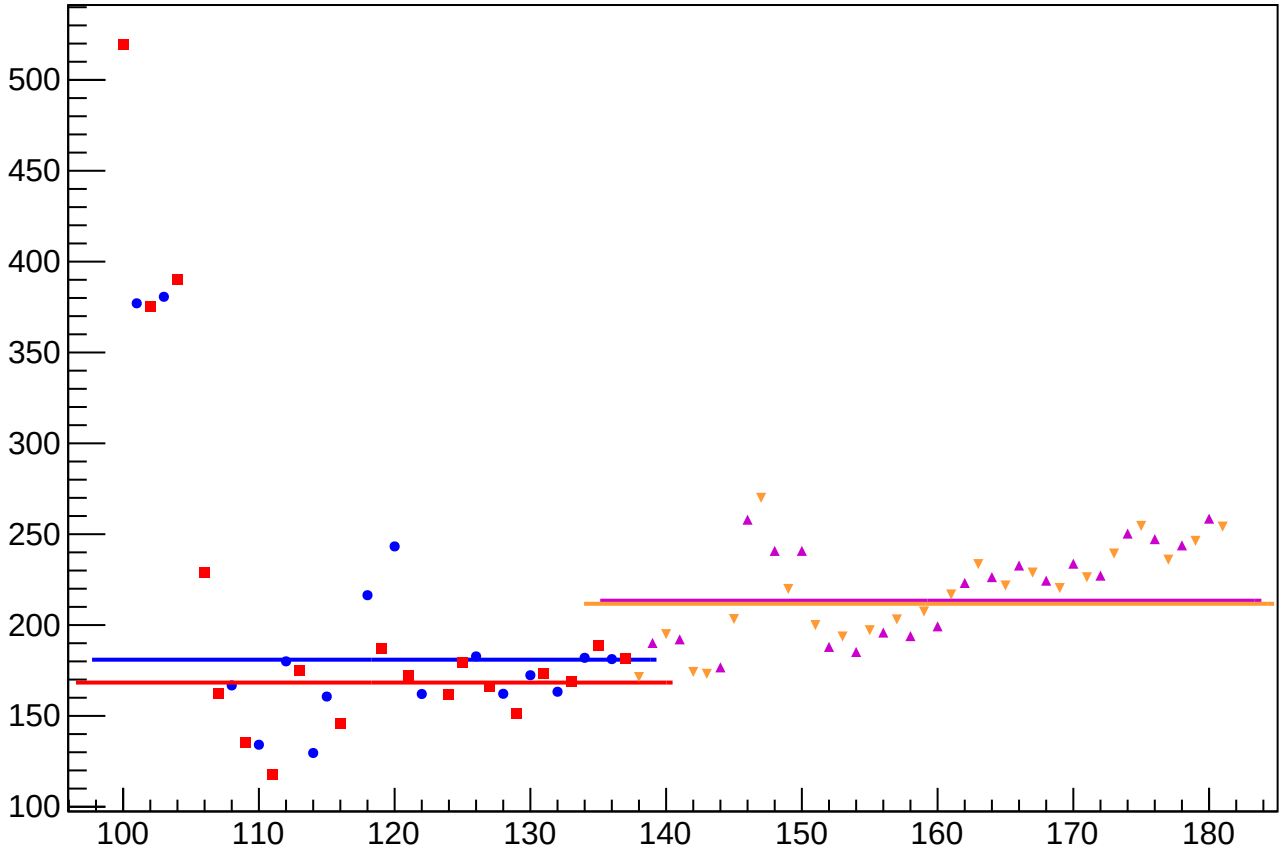
Left In: 145147.047+/-0.052 χ^2/NDF:12818531448.7/20

+ sign 147735.585+/-0.041 χ^2/NDF: 20506863758.9

All: 147902.007+/-0.029 χ^2/NDF: 42352611

- sign 148066.645+/-0.041 χ^2/NDF: 21813436663.9

yield_bpm0i07WS_rms vs Slug



Right In: 180.938+/-0.051 χ^2/NDF: 907758.2/15

Left Out: 211.714+/-0.035 χ^2/NDF:526870.7/22

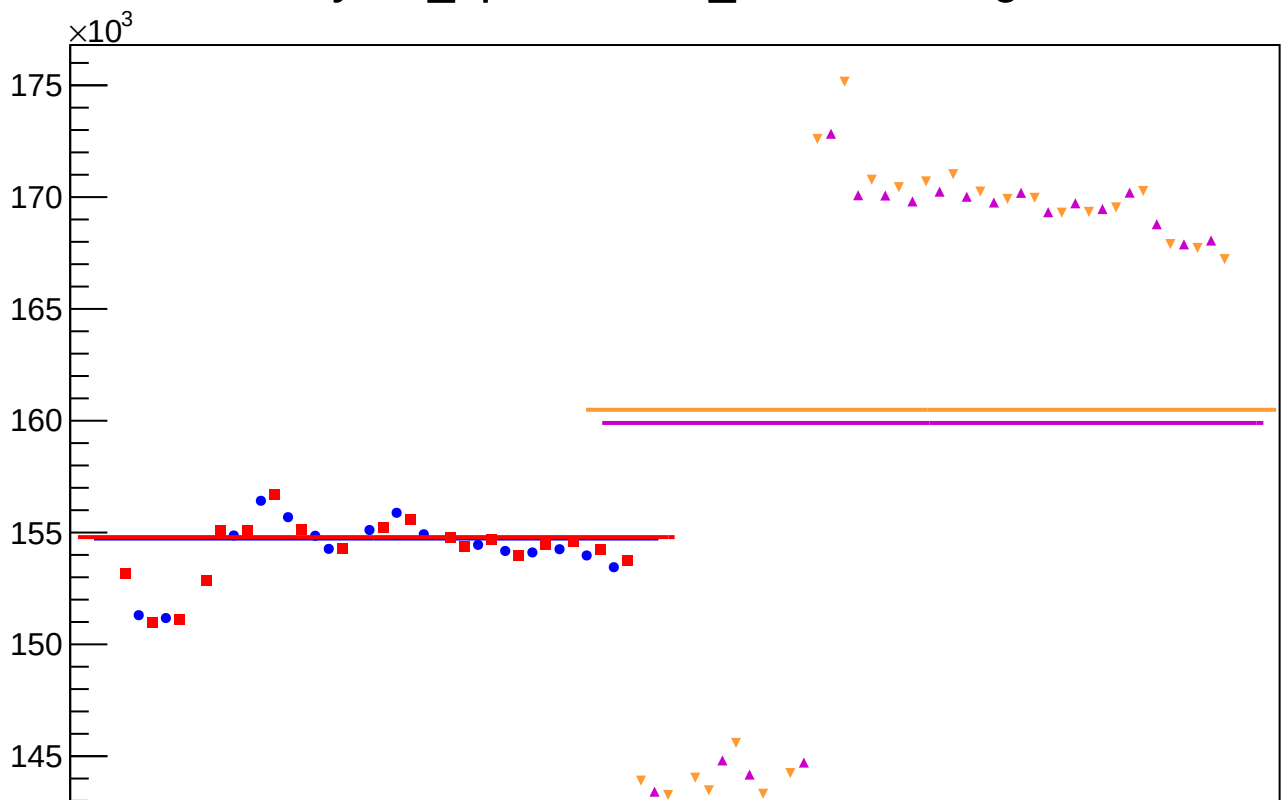
Right Out: 168.349+/-0.047 χ^2/NDF: 1089090.2/18

Left In: 213.406+/-0.037 χ^2/NDF:506868.1/20

+ sign 201.762+/-0.029 χ^2/NDF: 1677695.6/38

All: 199.017+/-0.021 χ^2/NDF: 3858107.0/78

- sign 196.302+/-0.029 χ^2/NDF: 2162833.7/39



Right In: 154733.155+/-0.065 χ^2/NDF: 274462319.1/15

Left Out: 160489.853+/-0.048 χ^2/NDF:73609659080.8/22

Right Out: 154795.893+/-0.061 χ^2/NDF: 304125082.4/18

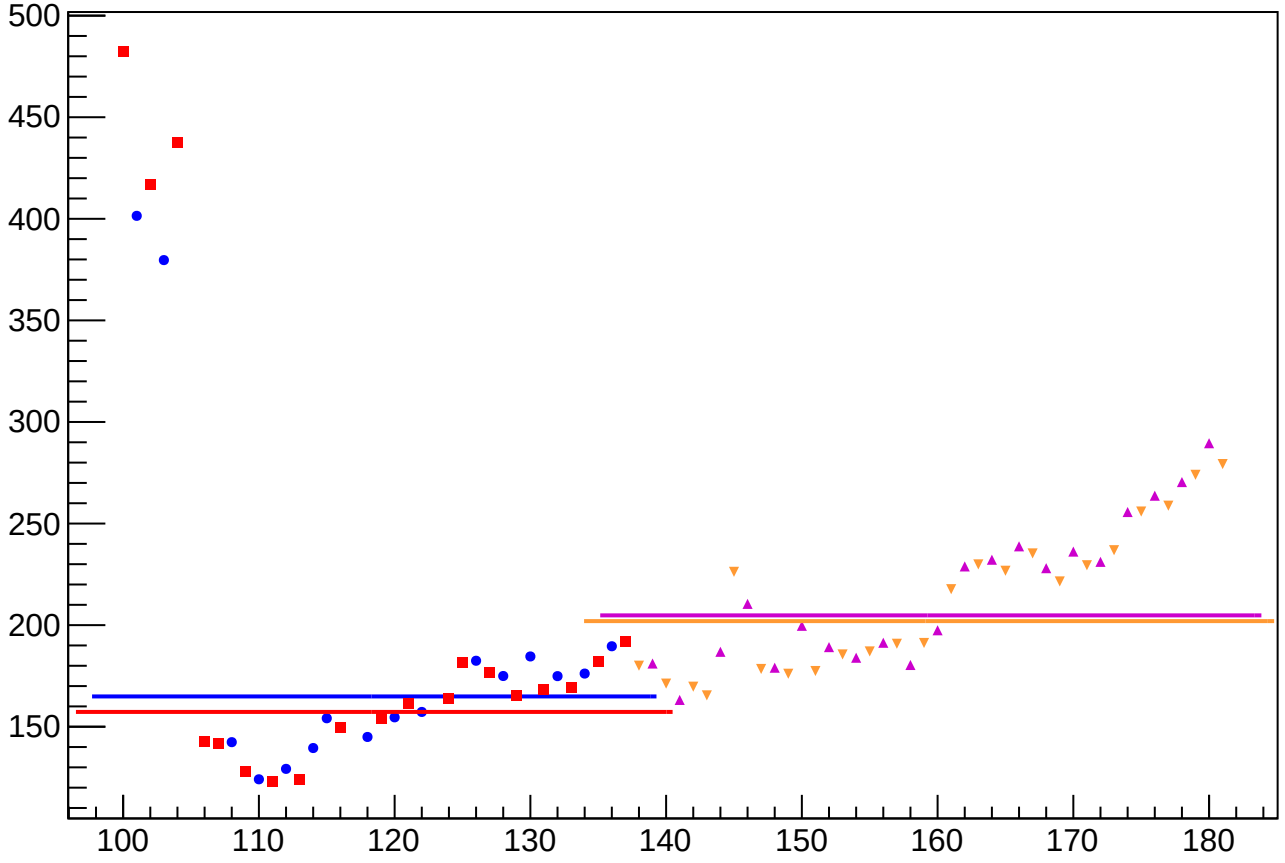
Left In: 159901.044+/-0.050 χ^2/NDF:65920304712.1/20

+ sign 158463.585+/-0.039 χ^2/NDF: 78936562605.

All: 158154.931+/-0.027 χ^2/NDF: 14946317

- sign 157845.118+/-0.039 χ^2/NDF: 70399020558.1

yield_bpm1i02WS_rms vs Slug



Right In: 164.906+/-0.046 χ^2/NDF: 1072730.7/15

Left Out: 201.979+/-0.034 χ^2/NDF:874440.1/22

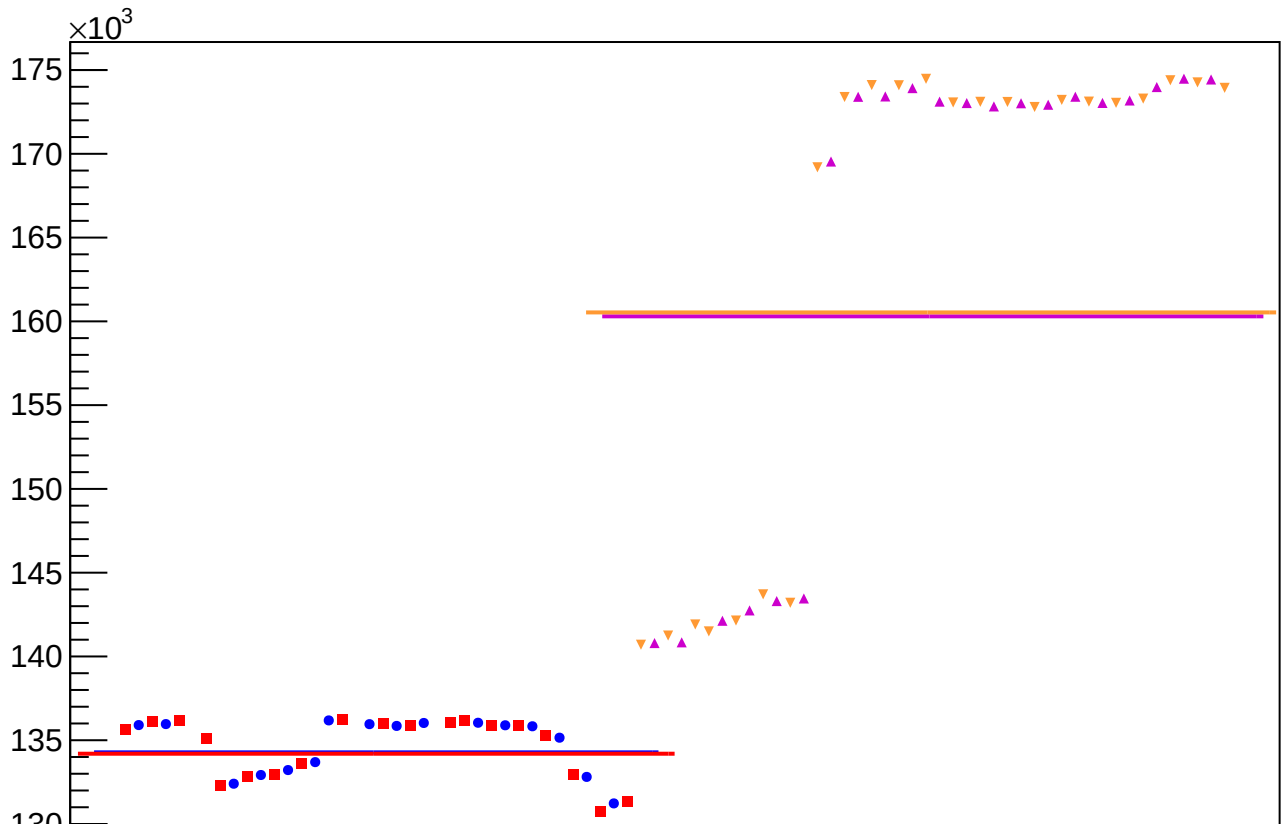
Right Out: 157.283+/-0.043 χ^2/NDF: 1254831.2/18

Left In: 204.806+/-0.035 χ^2/NDF:779305.9/20

+ sign 188.930+/-0.027 χ^2/NDF: 2366236.9/38

All: 187.302+/-0.019 χ^2/NDF: 5130968.2/78

- sign 185.668+/-0.027 χ^2/NDF: 2757632.1/39



Right In: 134276.096+/-0.051 χ^2/NDF: 1142867100.2/15

Left Out: 160533.750+/-0.049 χ^2/NDF:97432822038.7/22

Right Out: 134195.257+/-0.048 χ^2/NDF: 1205537499.7/18

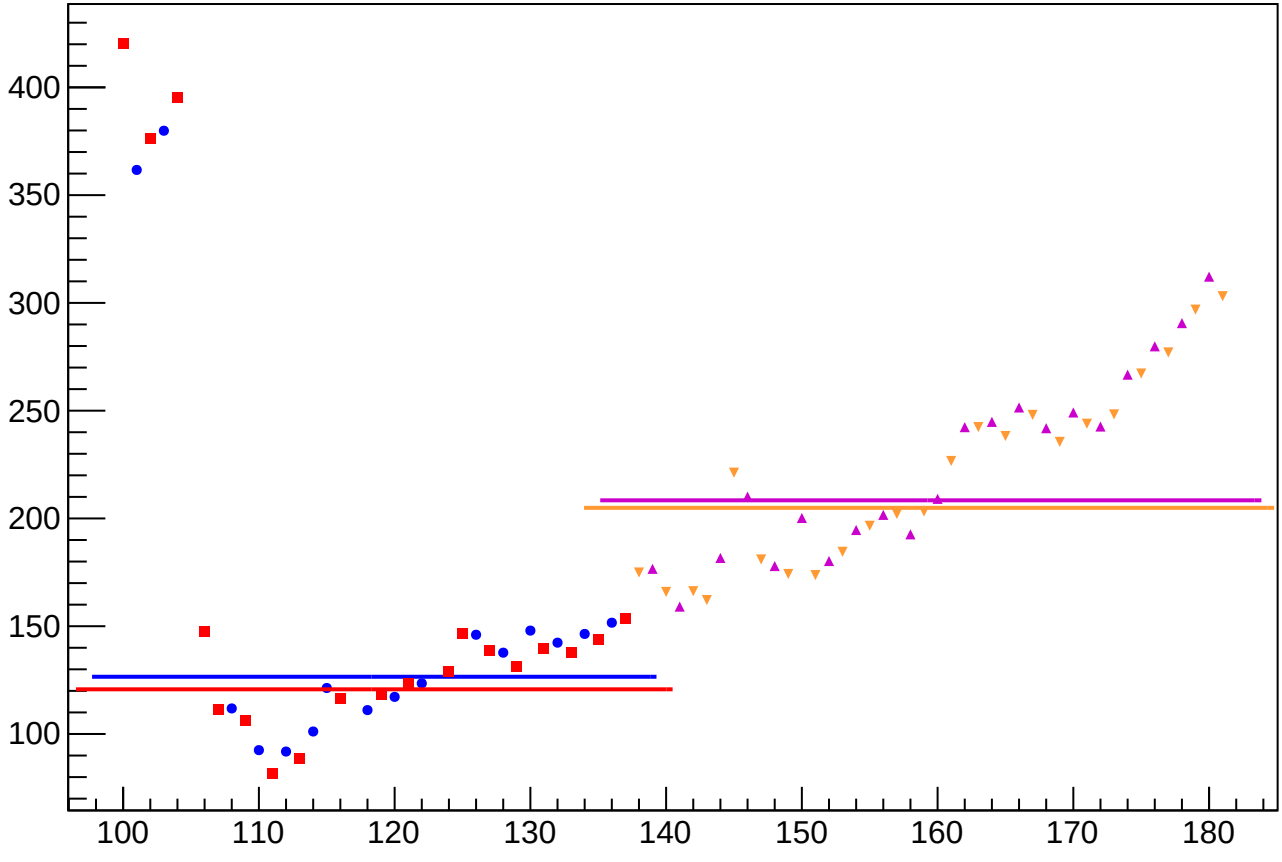
Left In: 160300.296+/-0.051 χ^2/NDF:88331524992.5/20

+ sign 147881.306+/-0.035 χ^2/NDF: 23686887130

All: 147124.652+/-0.025 χ^2/NDF: 4655080

- sign 146378.540+/-0.035 χ^2/NDF: 22772570853

yield_bpm1i04WS_rms vs Slug



Right In: 126.551+/-0.036 χ^2/NDF: 1477429.4/15

Left Out: 204.924+/-0.035 χ^2/NDF:1231960.6/22

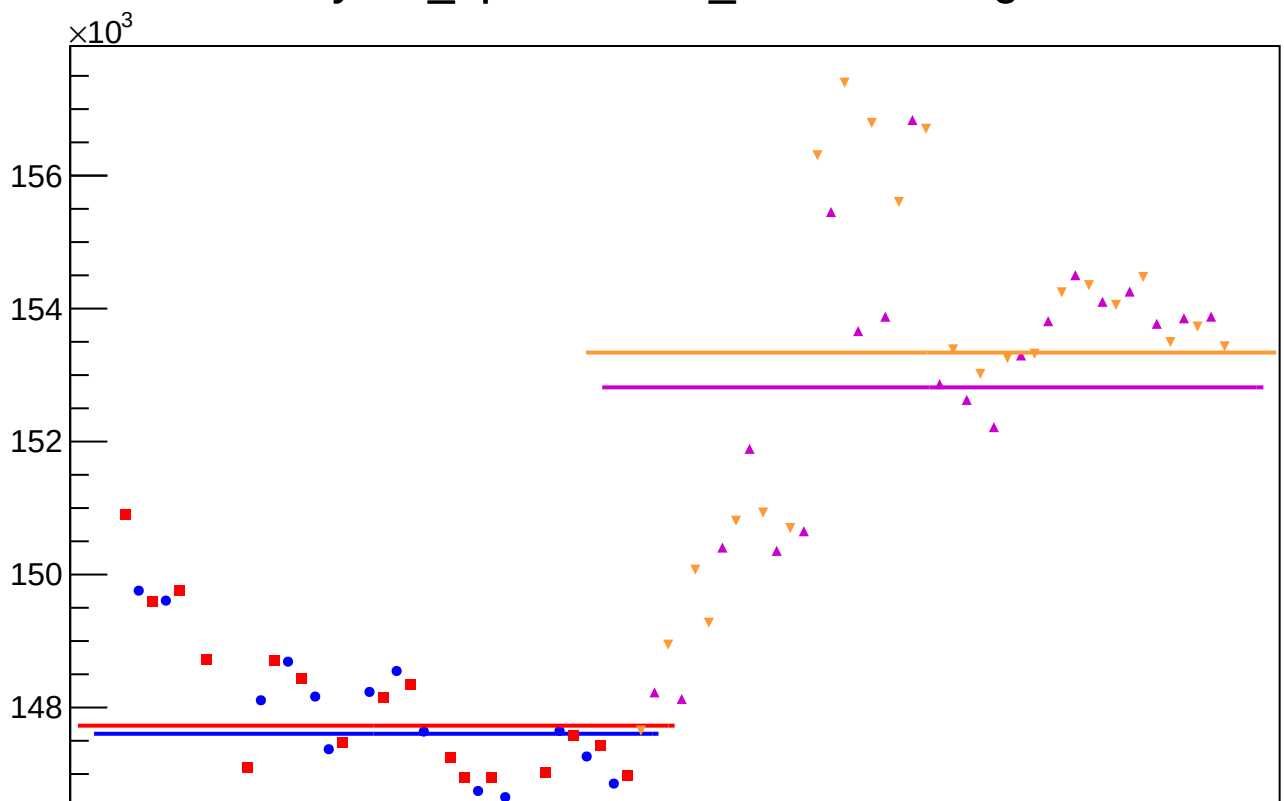
Right Out: 120.723+/-0.034 χ^2/NDF: 1632726.2/18

Left In: 208.411+/-0.036 χ^2/NDF:1070992.0/20

+ sign 167.159+/-0.025 χ^2/NDF: 5173453.9/38

All: 164.384+/-0.018 χ^2/NDF: 11020168.2/78

- sign 161.647+/-0.025 χ^2/NDF: 5822134.6/39



Right In: 147605.604+/-0.062 χ^2/NDF: 200513366.5/15

Left Out: 153338.983+/-0.052 χ^2/NDF:2978185422.9/22

Right Out: 147727.598+/-0.059 χ^2/NDF: 194800119.4/18

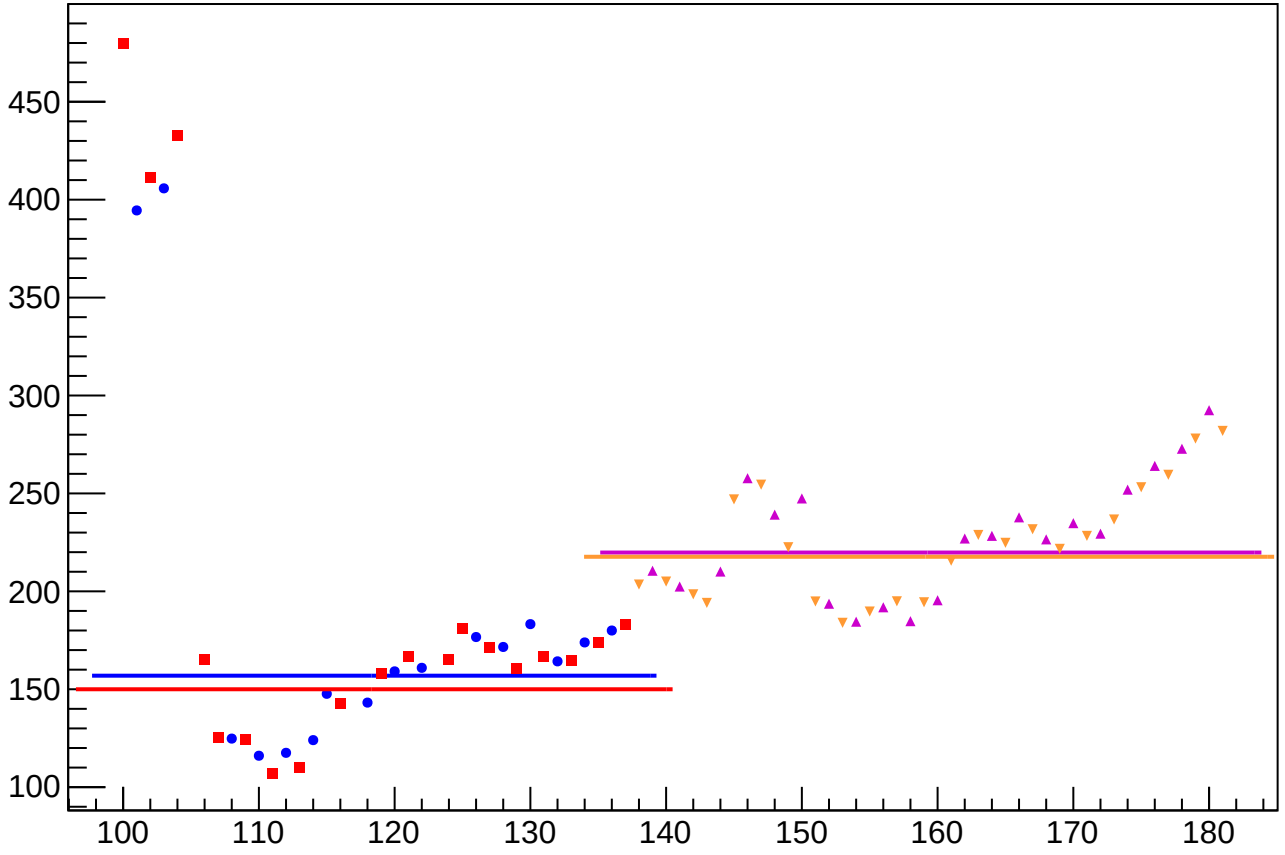
Left In: 152815.400+/-0.054 χ^2/NDF:1911458258.2/20

+ sign 151015.905+/-0.040 χ^2/NDF: 8188302139.1

All: 150761.568+/-0.028 χ^2/NDF: 14449768

- sign 150508.288+/-0.040 χ^2/NDF: 6179827988.7/

yield_bpm1i06WS_rms vs Slug



Right In: 156.927+/-0.044 χ^2/NDF: 1265768.6/15

Left Out: 217.651+/-0.036 χ^2/NDF:524829.0/22

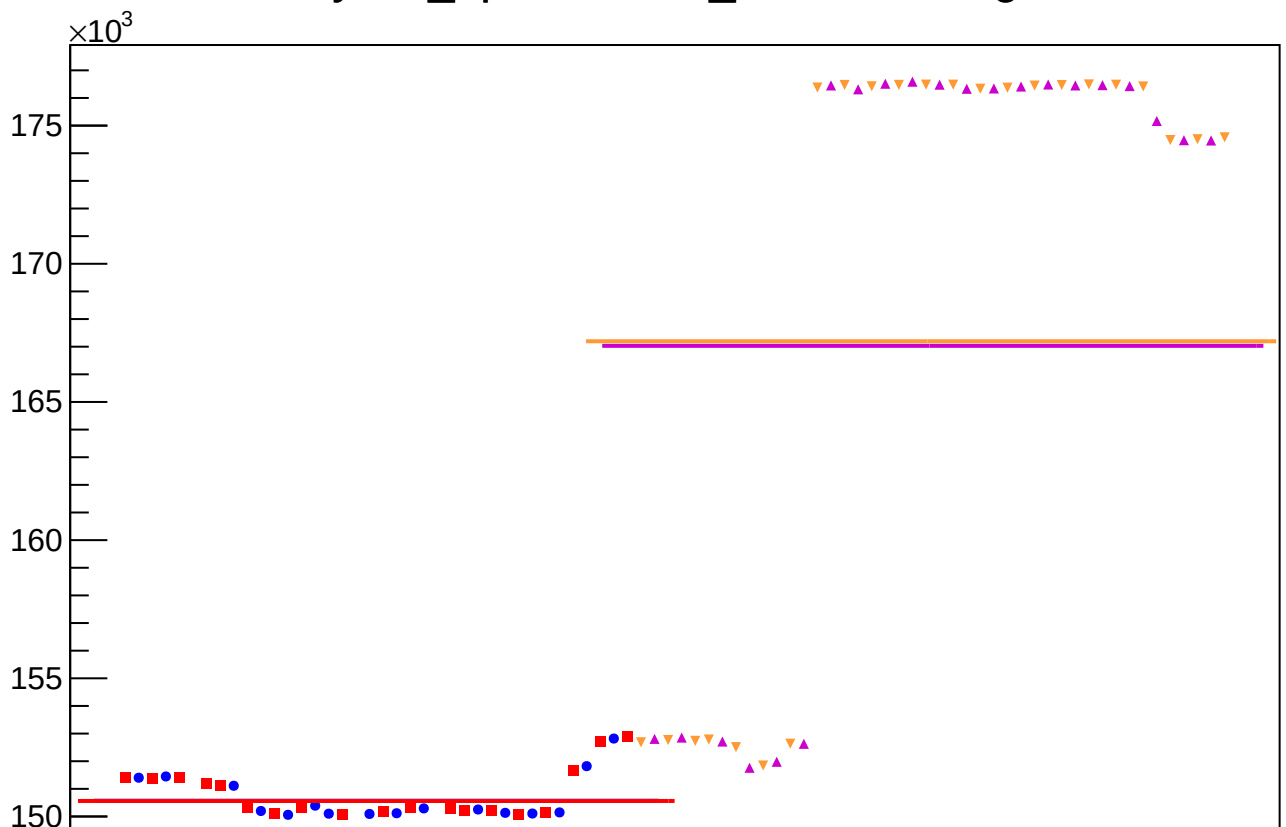
Right Out: 149.994+/-0.042 χ^2/NDF: 1453928.8/18

Left In: 219.810+/-0.038 χ^2/NDF:564715.4/20

+ sign 193.047+/-0.028 χ^2/NDF: 2914503.7/38

All: 190.594+/-0.020 χ^2/NDF: 6482443.2/78

- sign 188.151+/-0.028 χ^2/NDF: 3552755.7/39



Right In: 150568.638+/-0.055 χ^2/NDF: 237155171.8/15

Left Out: 167196.494+/-0.047 χ^2/NDF:58983675928.2722

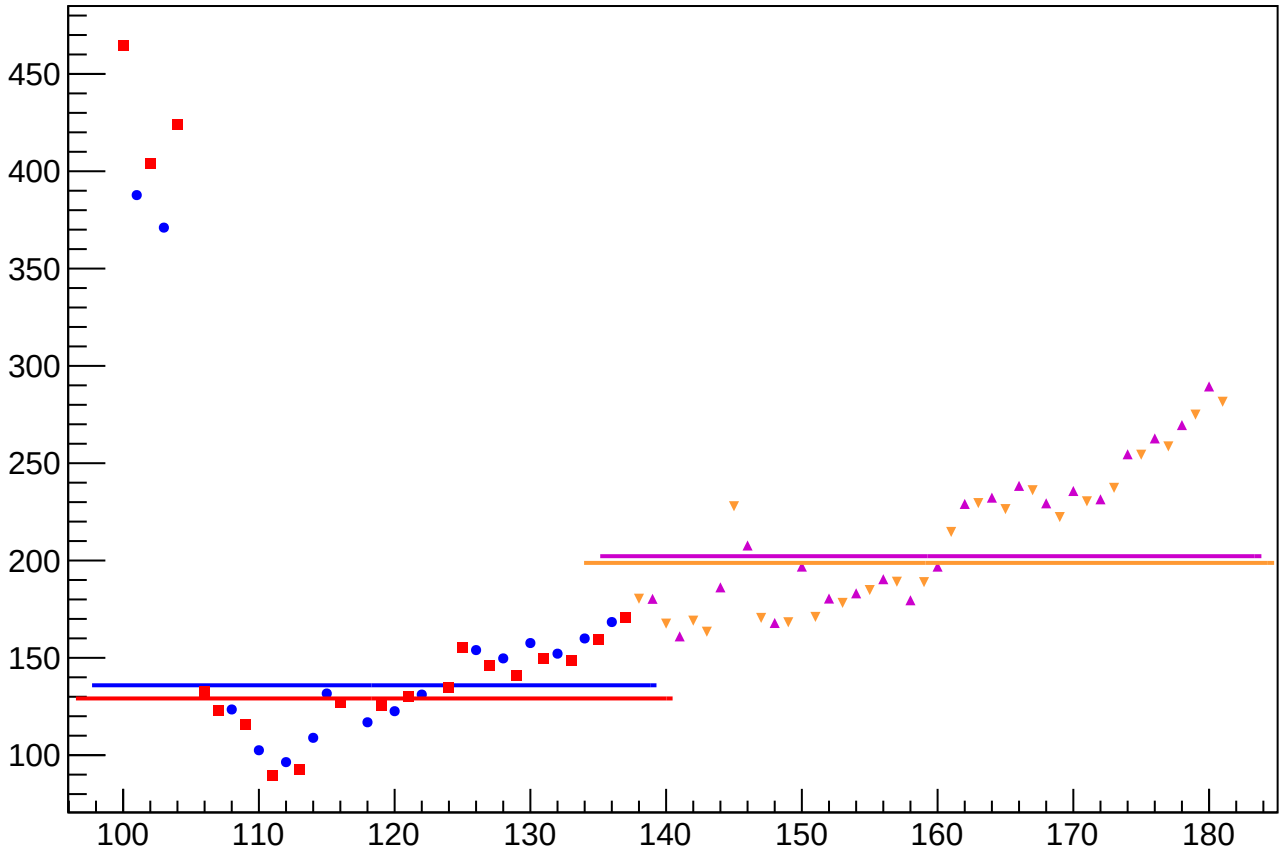
Right Out: 150561.647+/-0.051 χ^2/NDF: 197500782.5/18

Left In: 167031.182+/-0.050 χ^2/NDF:54510583815.3/20

+ sign 160061.366+/-0.036 χ^2/NDF: 11214735534

All: 159540.196+/-0.025 χ^2/NDF: 2209096

- sign 159025.682+/-0.036 χ^2/NDF: 108340560155



Right In: 135.896+/-0.039 χ^2/NDF: 1416332.3/15

Left Out: 198.780+/-0.033 χ^2/NDF:1005607.1/22

Right Out: 129.130+/-0.036 χ^2/NDF: 1614311.0/18

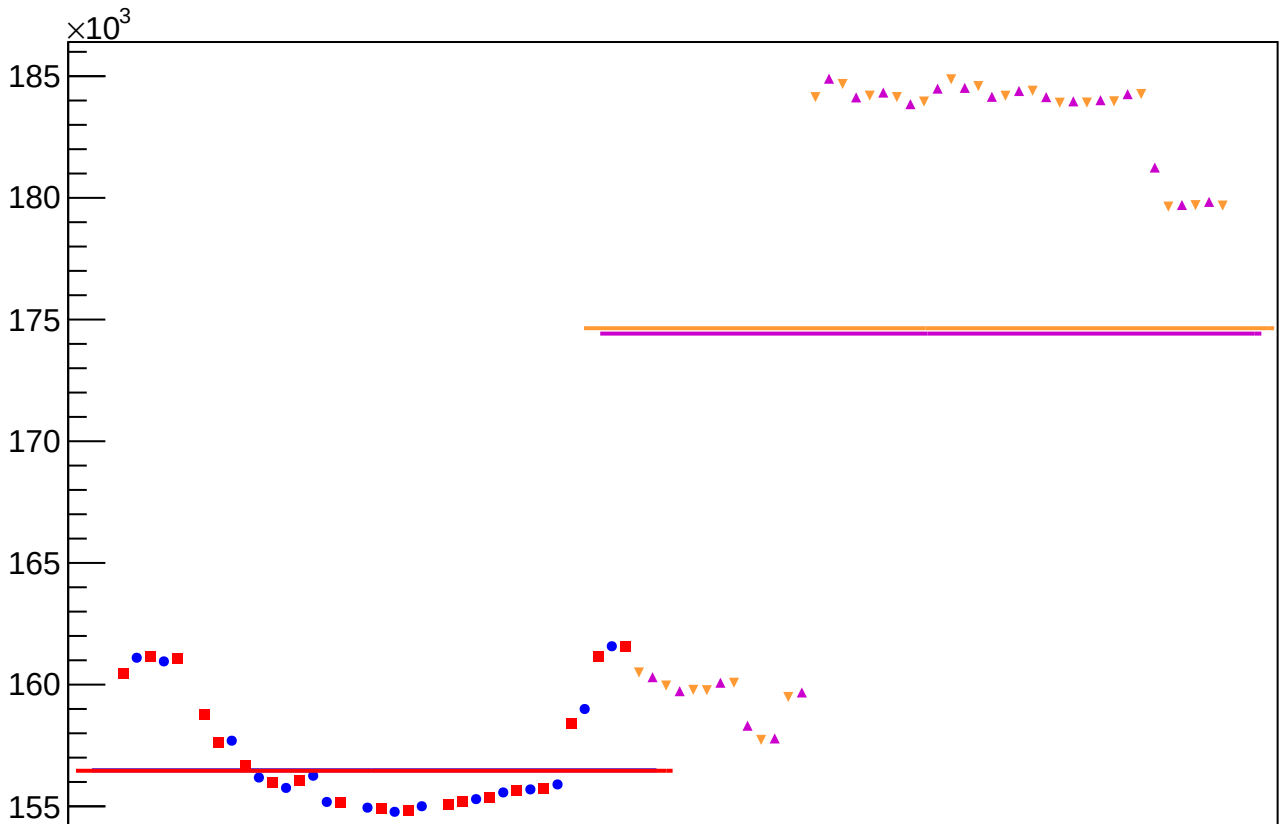
Left In: 202.228+/-0.035 χ^2/NDF:860171.7/20

+ sign 171.796+/-0.025 χ^2/NDF: 3935895.7/38

All: 169.230+/-0.018 χ^2/NDF: 8543810.0/78

- sign 166.697+/-0.025 χ^2/NDF: 4587461.9/39

yield_bpm2i02WS_mean vs Slug



Right In: 156478.318+/-0.057 χ^2/NDF: 1289449253.3/15

Left Out: 174644.041+/-0.049 χ^2/NDF:57843878933.3/22

Right Out: 156460.550+/-0.053 χ^2/NDF: 1100531658.8/18

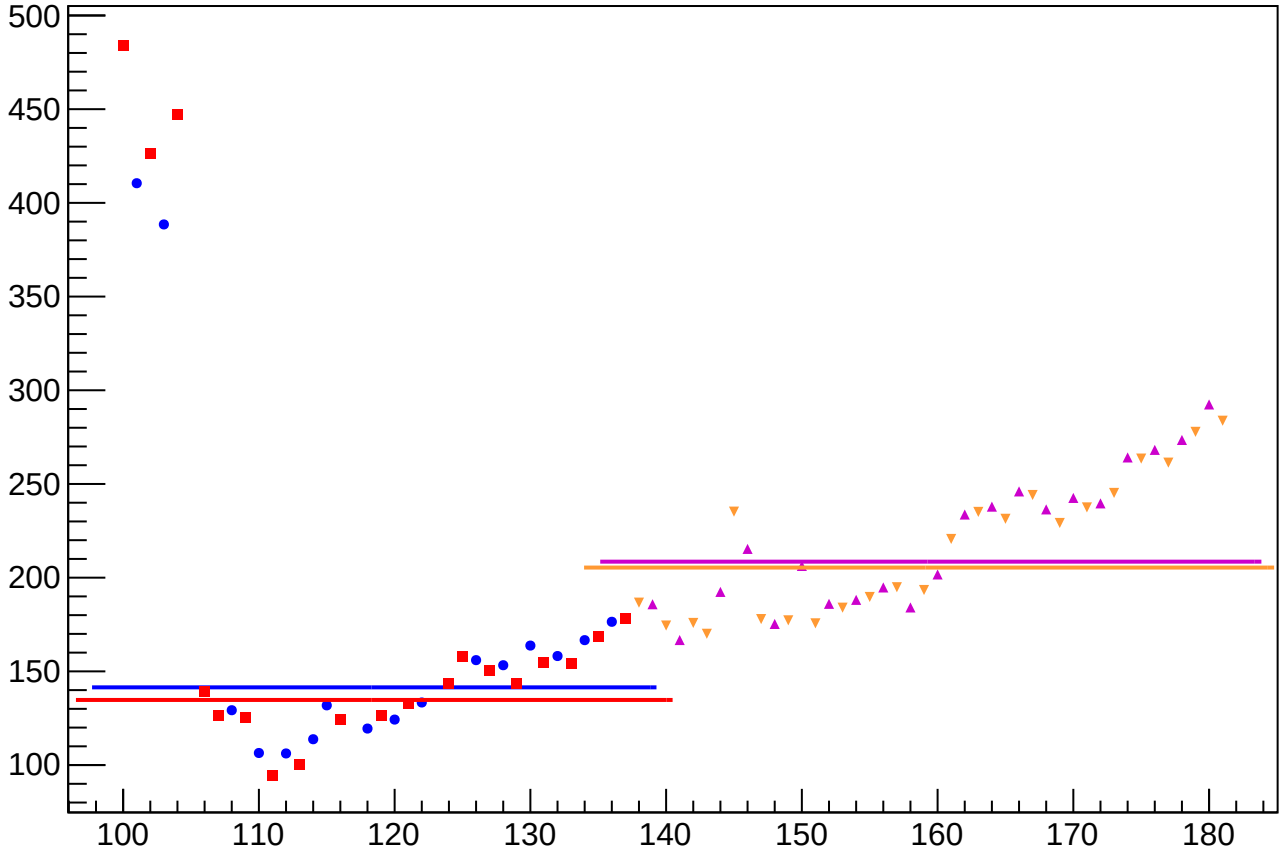
Left In: 174422.895+/-0.051 χ^2/NDF:54479522538.9/20

+ sign 166918.747+/-0.037 χ^2/NDF: 11789031885

All: 166351.210+/-0.026 χ^2/NDF: 2333139

- sign 165790.405+/-0.037 χ^2/NDF: 11495708183

yield_bpm2i02WS_rms vs Slug



Right In: 141.470+/-0.040 χ^2/NDF: 1391933.2/15

Left Out: 205.391+/-0.035 χ^2/NDF:930944.2/22

Right Out: 134.746+/-0.038 χ^2/NDF: 1579031.5/18

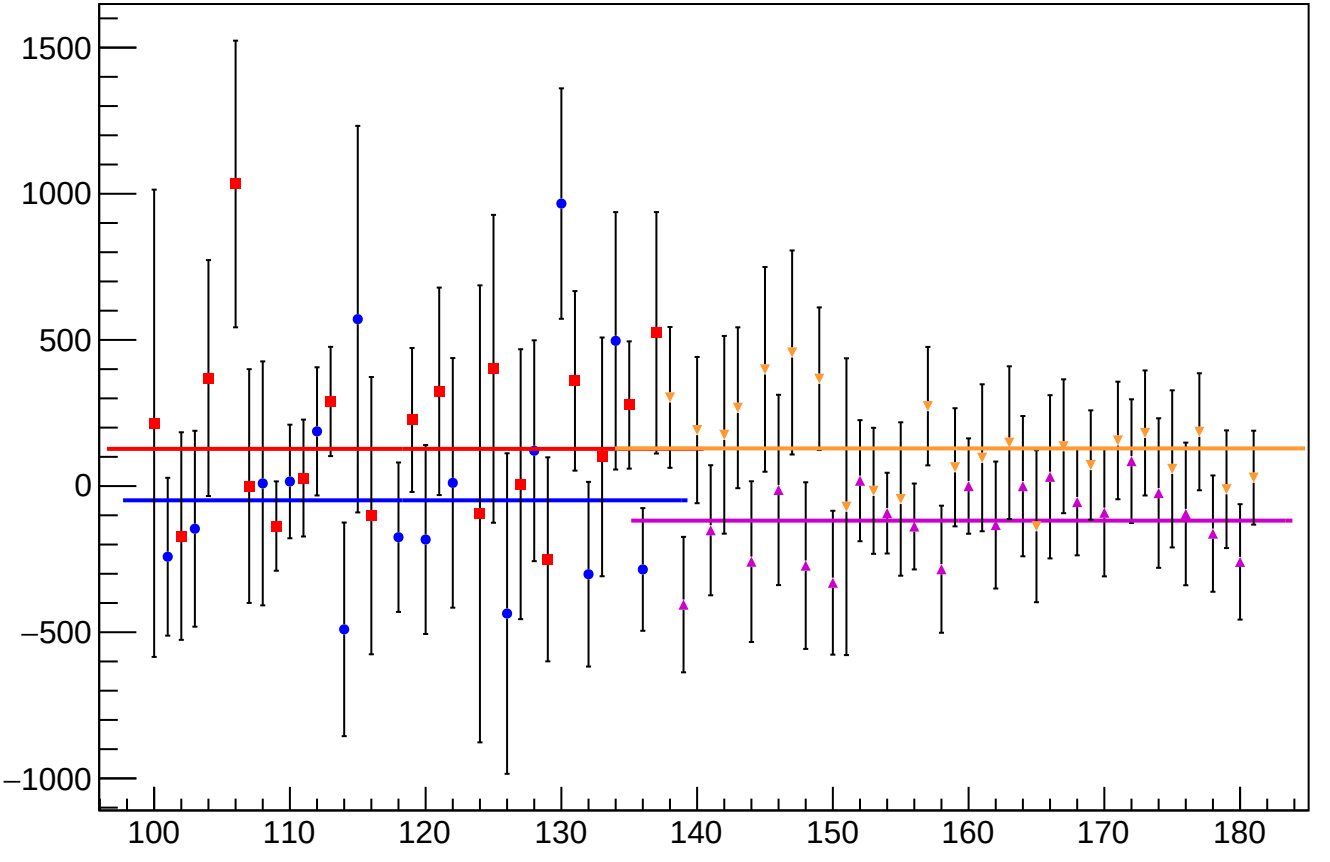
Left In: 208.544+/-0.036 χ^2/NDF:821209.5/20

+ sign 178.207+/-0.026 χ^2/NDF: 3777880.4/38

All: 175.627+/-0.018 χ^2/NDF: 8201947.0/78

- sign 173.077+/-0.026 χ^2/NDF: 4404781.5/39

asym_bcm_target_mean vs Slug



Right In: -48.749+/-76.592 χ^2/NDF: 15.4/15

Left Out: 128.836+/-48.862 χ^2/NDF:7.2/22

Right Out: 127.249+/-68.506 χ^2/NDF: 12.9/18

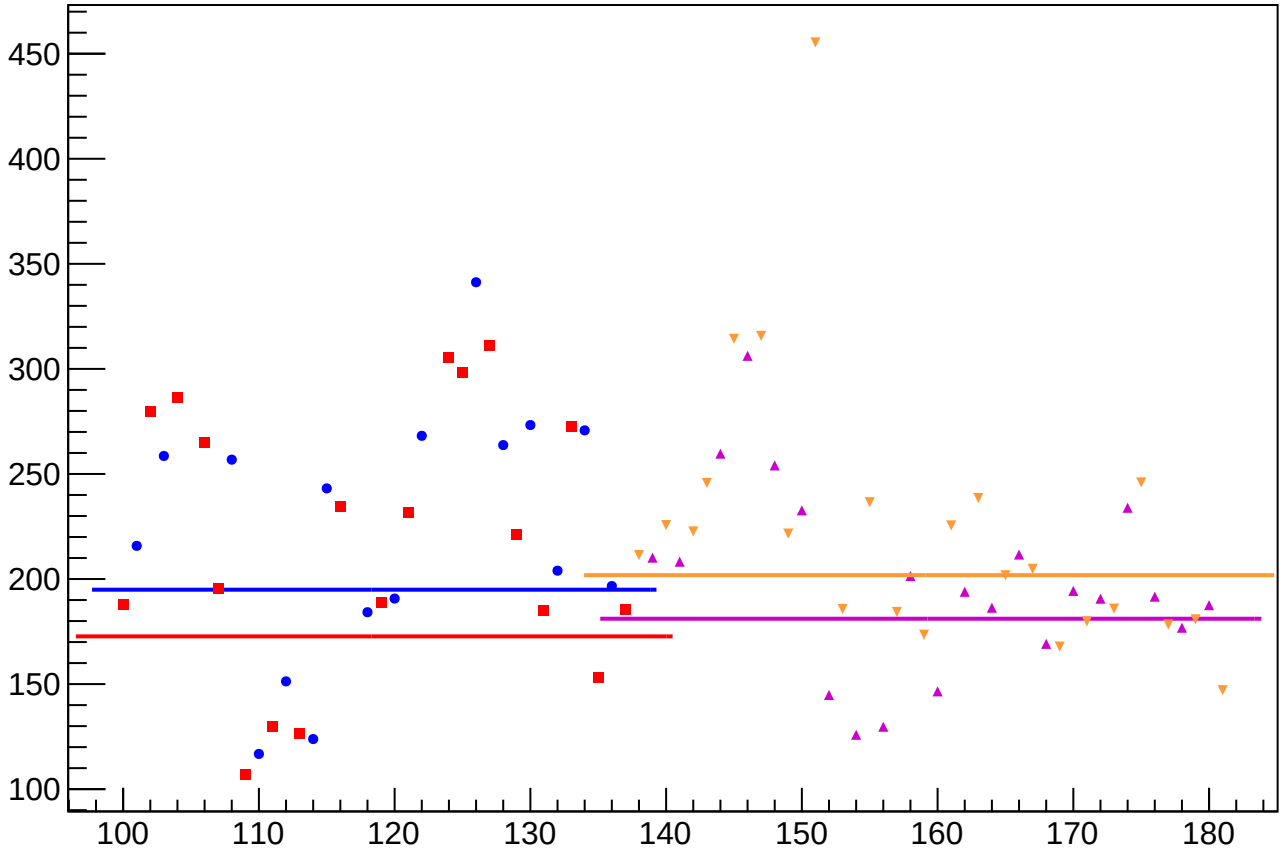
Left In: -118.188+/-45.690 χ^2/NDF:6.9/20

\+ sign 77.468+/-41.193 χ^2/NDF: 26.5/38

All: 12.604+/-27.935 χ^2/NDF: 59.7/78

\- sign -42.626+/-38.011 χ^2/NDF: 28.6/39

asym_bcm_target_rms vs Slug



Right In: 194.923+/-0.054 χ^2/NDF: 1028901.2/15

Left Out: 201.847+/-0.035 χ^2/NDF:1605376.2/22

Right Out: 172.704+/-0.048 χ^2/NDF: 1631350.4/18

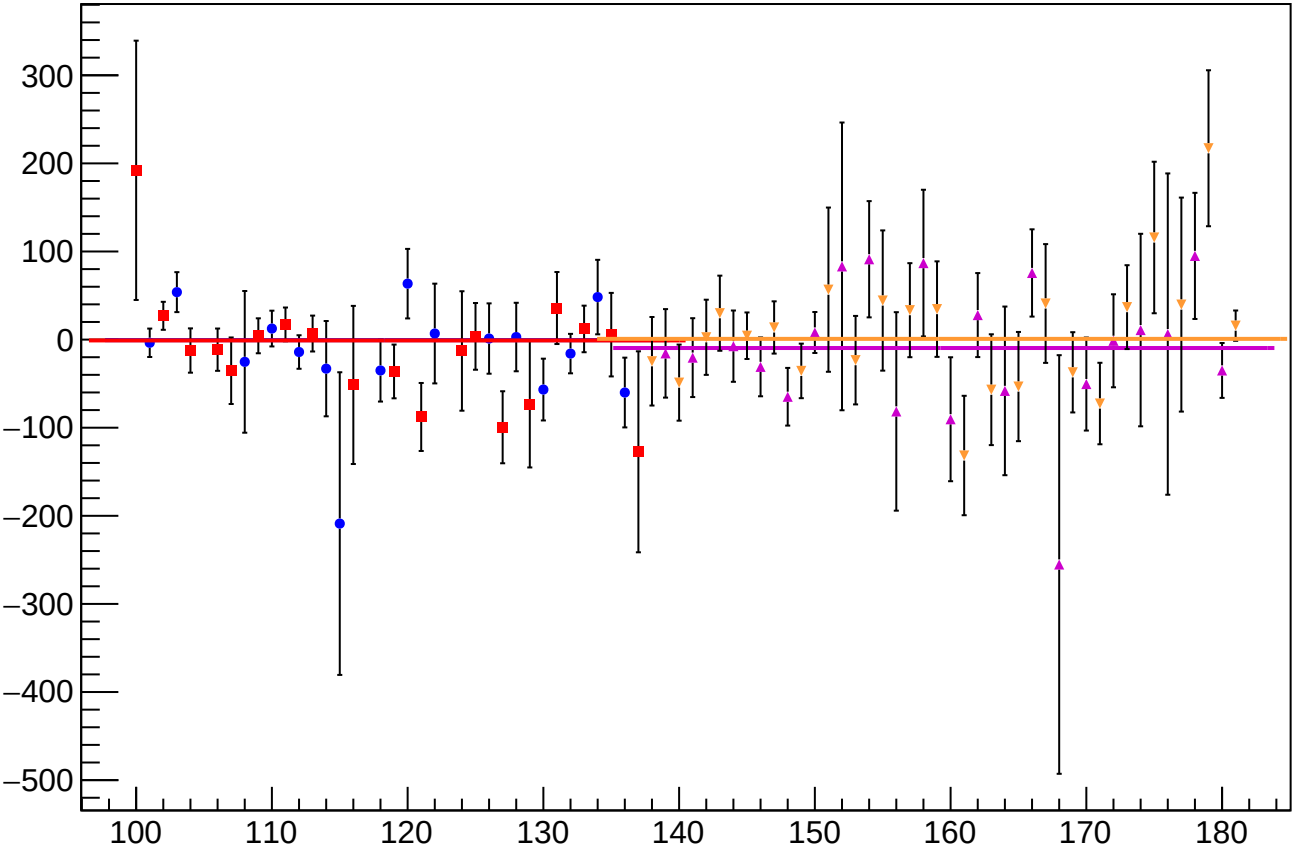
Left In: 181.110+/-0.032 χ^2/NDF:1615638.2/20

+ sign 199.844+/-0.029 χ^2/NDF: 2645894.2/38

All: 188.328+/-0.020 χ^2/NDF: 6203134.2/78

- sign 178.522+/-0.027 χ^2/NDF: 3267830.0/39

asym_bcm_an_diff_mean vs Slug



Right In: -0.624+/-7.340 χ^2/NDF: 18.9/15

Left Out: 0.833+/-8.748 χ^2/NDF:23.5/22

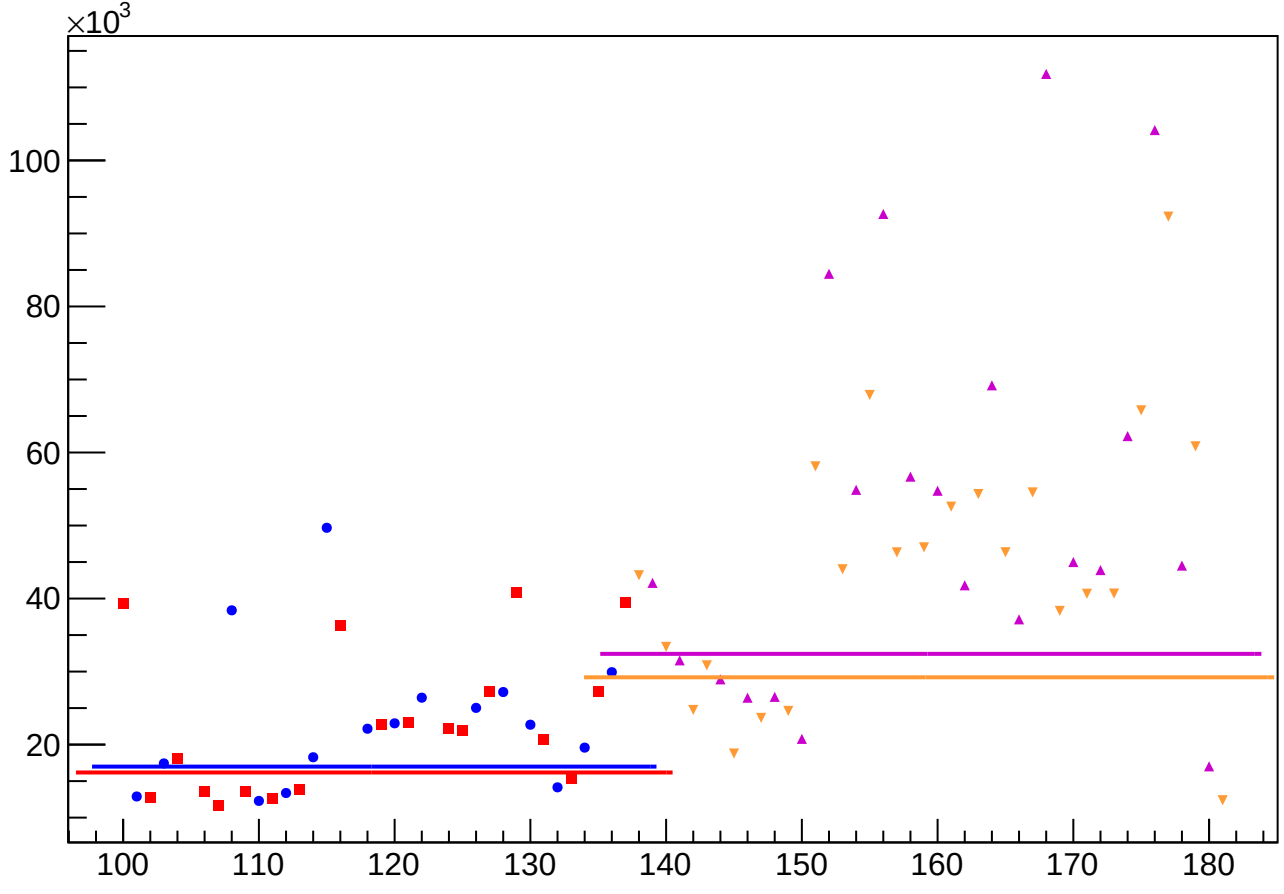
Right Out: -0.938+/-6.767 χ^2/NDF: 23.1/18

Left In: -9.562+/-10.594 χ^2/NDF:18.0/20

+ sign -0.022+/-5.623 χ^2/NDF: 42.4/38

All: -1.705+/-4.004 χ^2/NDF: 84.1/78

- sign -3.437+/-5.703 χ^2/NDF: 41.5/39



Right In: 16986.402+/-5.190 χ^2/NDF: 1194096.1/15

Left Out: 29215.486+/-6.186 χ^2/NDF:6269750.1/22

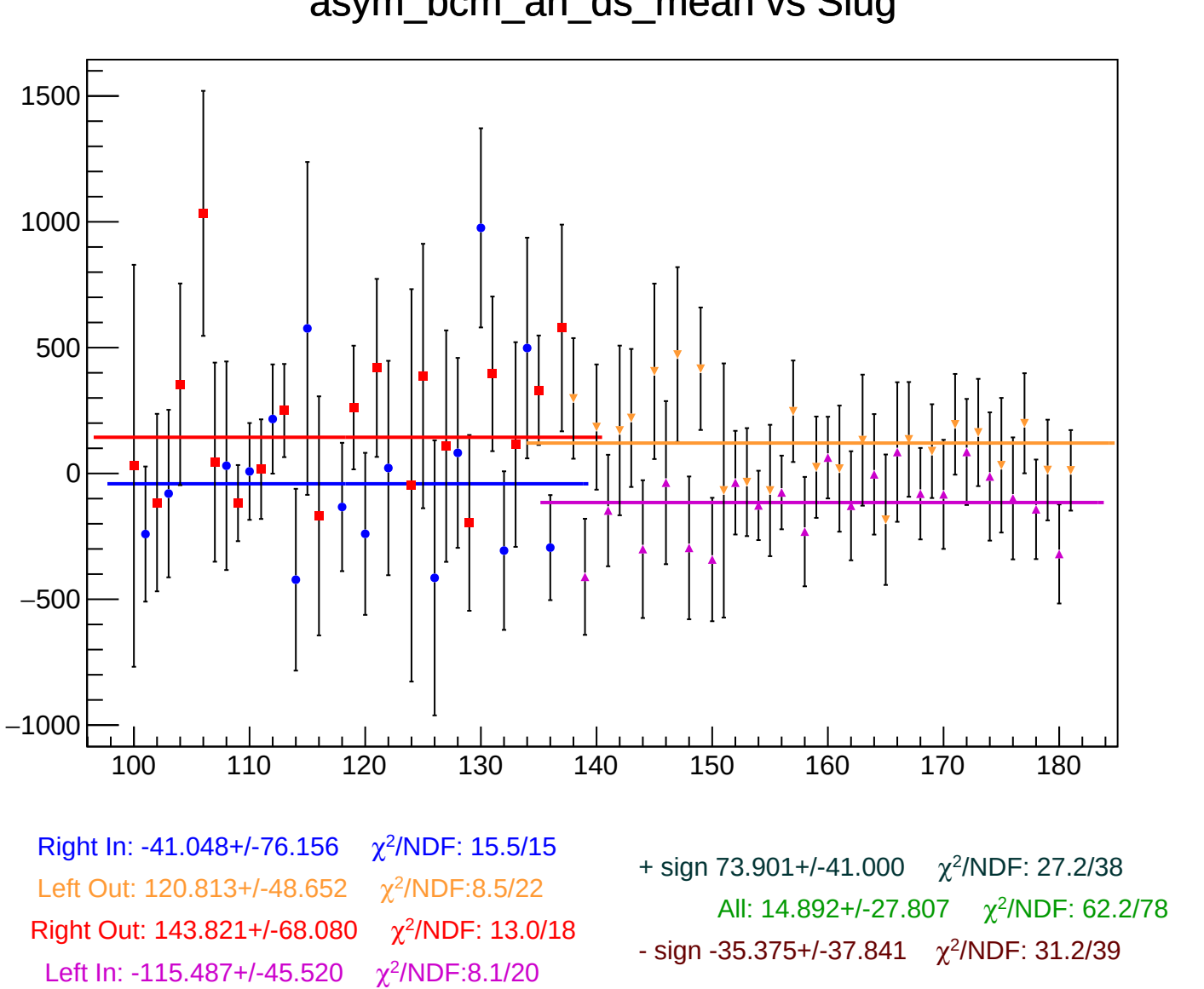
Right Out: 16181.928+/-4.785 χ^2/NDF: 1251495.8/18

Left In: 32426.270+/-7.492 χ^2/NDF:3925934.9/20

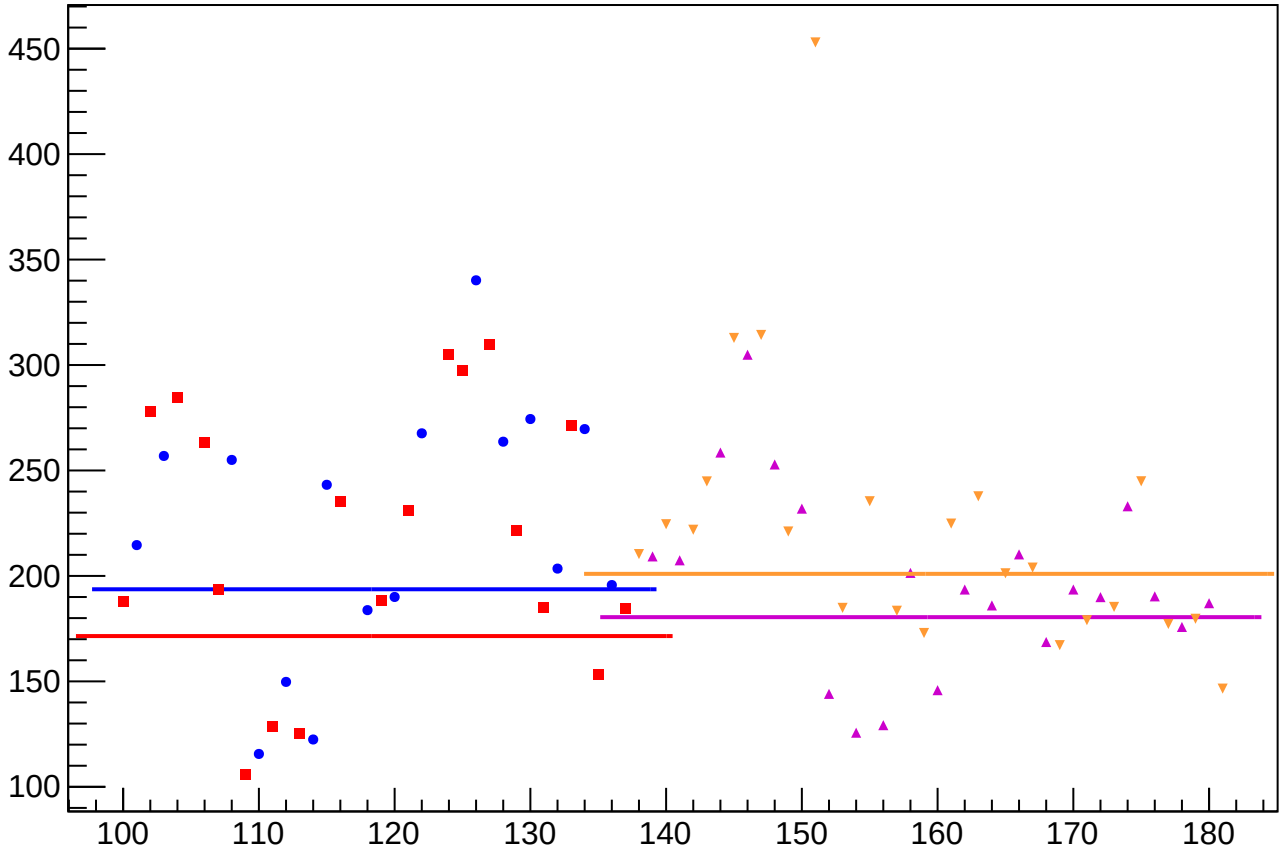
+ sign 22038.794+/-3.976 χ^2/NDF: 9757329.2/38

All: 21471.914+/-2.831 χ^2/NDF: 18315413.6/

- sign 20888.820+/-4.033 χ^2/NDF: 8516850.6/39


asym_bcm_an_ds_mean vs Slug
1500
1000
500
0
−500
−1000
100
110
120
130
140
150
160
170
180
Right In: -41.048+/-76.156 χ²/NDF: 15.5/15
Left Out: 120.813+/-48.652 χ²/NDF:8.5/22
Right Out: 143.821+/-68.080 χ²/NDF: 13.0/18
Left In: -115.487+/-45.520 χ²/NDF:8.1/20
+ sign 73.901+/-41.000 χ²/NDF: 27.2/38
All: 14.892+/-27.807 χ²/NDF: 62.2/78
- sign -35.375+/-37.841 χ²/NDF: 31.2/39

asym_bcm_an_ds_rms vs Slug



Right In: 193.670+/-0.054 χ^2/NDF: 1049772.0/15

Left Out: 200.984+/-0.034 χ^2/NDF:1605104.9/22

Right Out: 171.484+/-0.048 χ^2/NDF: 1652989.7/18

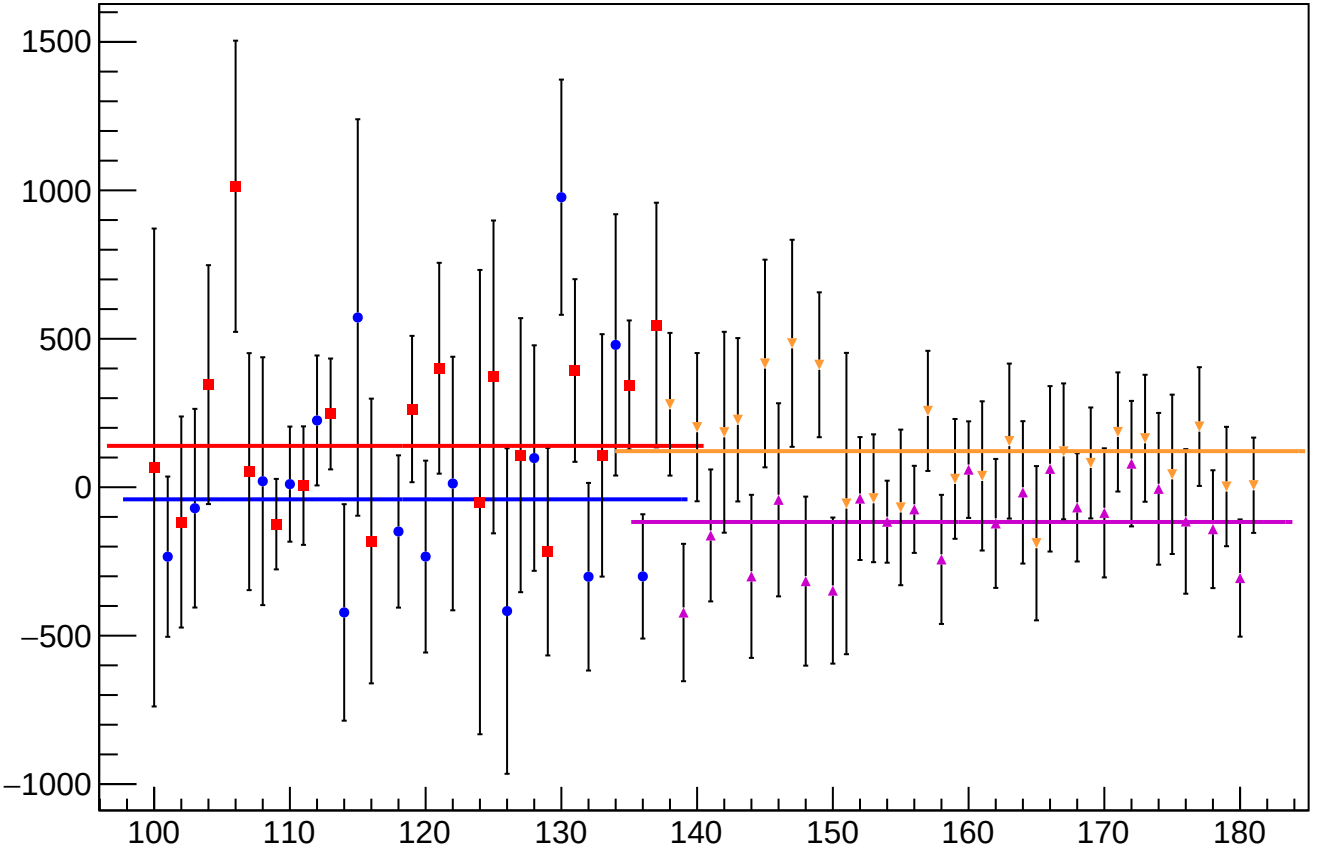
Left In: 180.453+/-0.032 χ^2/NDF:1612049.6/20

+ sign 198.864+/-0.029 χ^2/NDF: 2667976.2/38

All: 187.426+/-0.020 χ^2/NDF: 6245282.0/78

- sign 177.682+/-0.027 χ^2/NDF: 3289028.5/39

asym_bcm_an_ds3_mean vs Slug



Right In: -40.798+/-76.579 χ^2/NDF: 15.4/15

Left Out: 121.501+/-48.815 χ^2/NDF:8.7/22

Right Out: 139.292+/-68.459 χ^2/NDF: 12.9/18

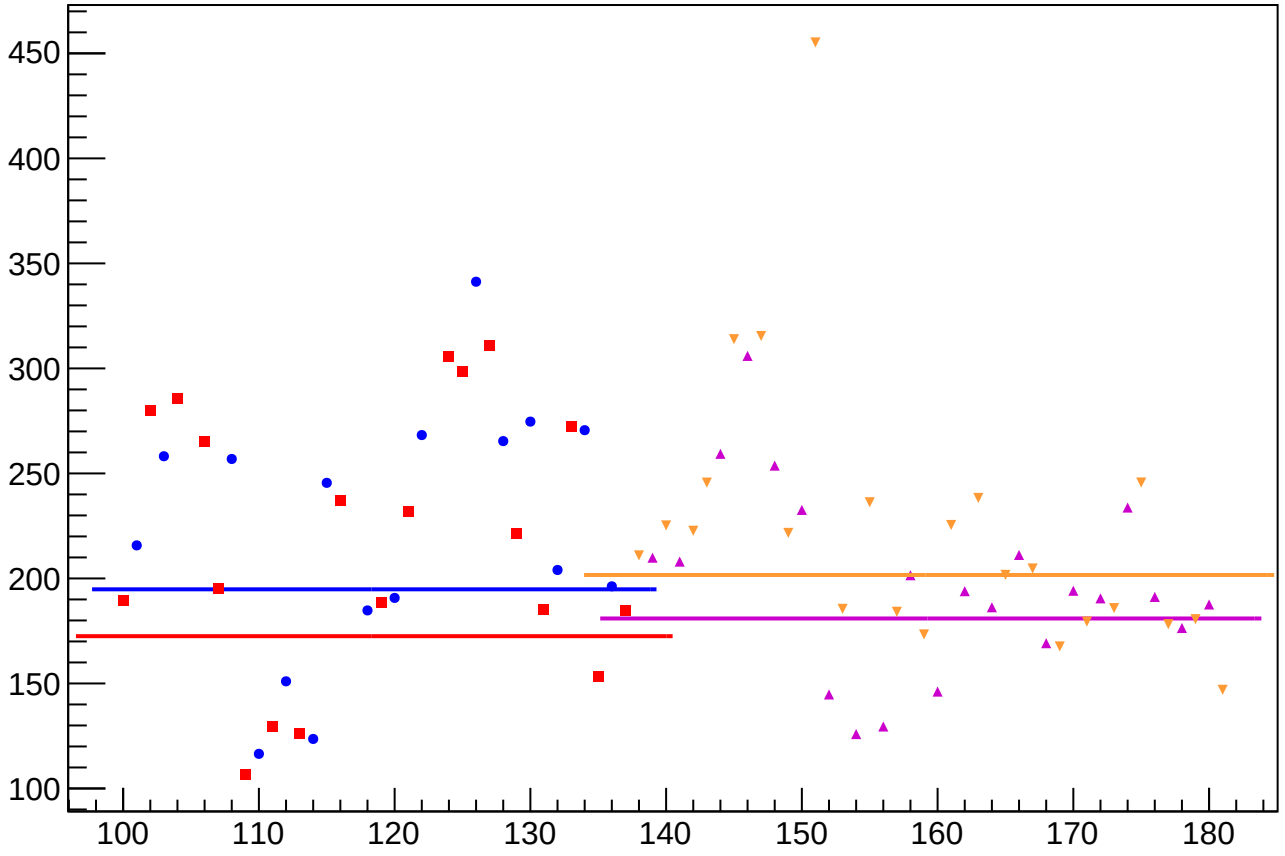
Left In: -117.063+/-45.647 χ^2/NDF:8.1/20

+ sign 74.608+/-41.163 χ^2/NDF: 27.2/38

All: 13.691+/-27.913 χ^2/NDF: 61.9/78

- sign -38.167+/-37.979 χ^2/NDF: 30.6/39

asym_bcm_an_ds3_rms vs Slug



Right In: 194.819+/-0.054 χ^2/NDF: 1039096.7/15

Left Out: 201.647+/-0.035 χ^2/NDF:1606380.8/22

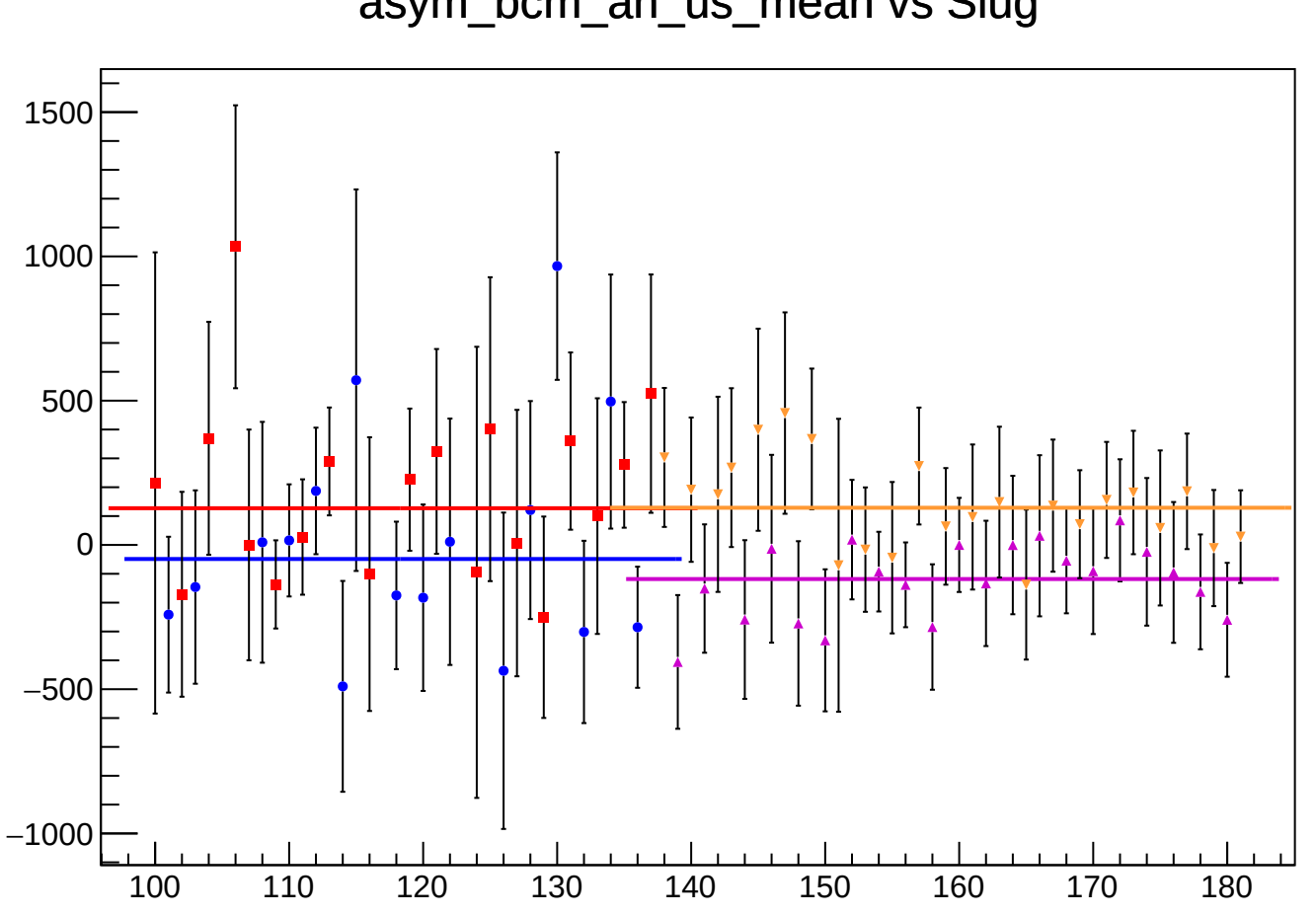
Right Out: 172.507+/-0.048 χ^2/NDF: 1642059.1/18

Left In: 180.939+/-0.032 χ^2/NDF:1616025.4/20

+ sign 199.674+/-0.029 χ^2/NDF: 2656781.6/38

All: 188.152+/-0.020 χ^2/NDF: 6225969.3/78

- sign 178.344+/-0.027 χ^2/NDF: 3279088.7/39



Right In: -48.749+/-76.592 χ^2/NDF: 15.4/15

Left Out: 128.836+/-48.862 χ^2/NDF:7.2/22

Right Out: 127.249+/-68.506 χ^2/NDF: 12.9/18

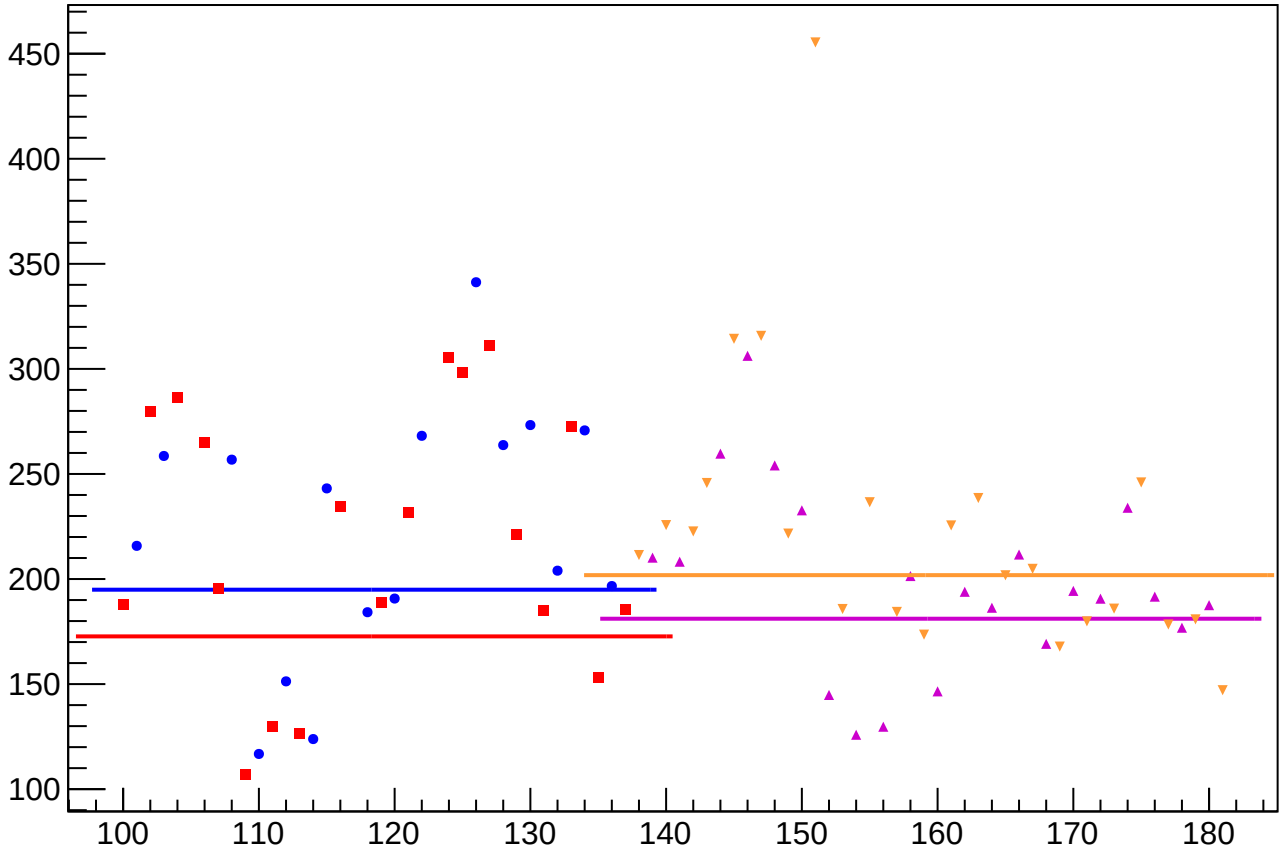
Left In: -118.188+/-45.690 χ^2/NDF:6.9/20

+ sign 77.468+/-41.193 χ^2/NDF: 26.5/38

All: 12.604+/-27.935 χ^2/NDF: 59.7/78

- sign -42.626+/-38.011 χ^2/NDF: 28.6/39

asym_bcm_an_us_rms vs Slug



Right In: 194.923+/-0.054 χ^2/NDF: 1028901.2/15

Left Out: 201.847+/-0.035 χ^2/NDF:1605376.2/22

Right Out: 172.704+/-0.048 χ^2/NDF: 1631350.4/18

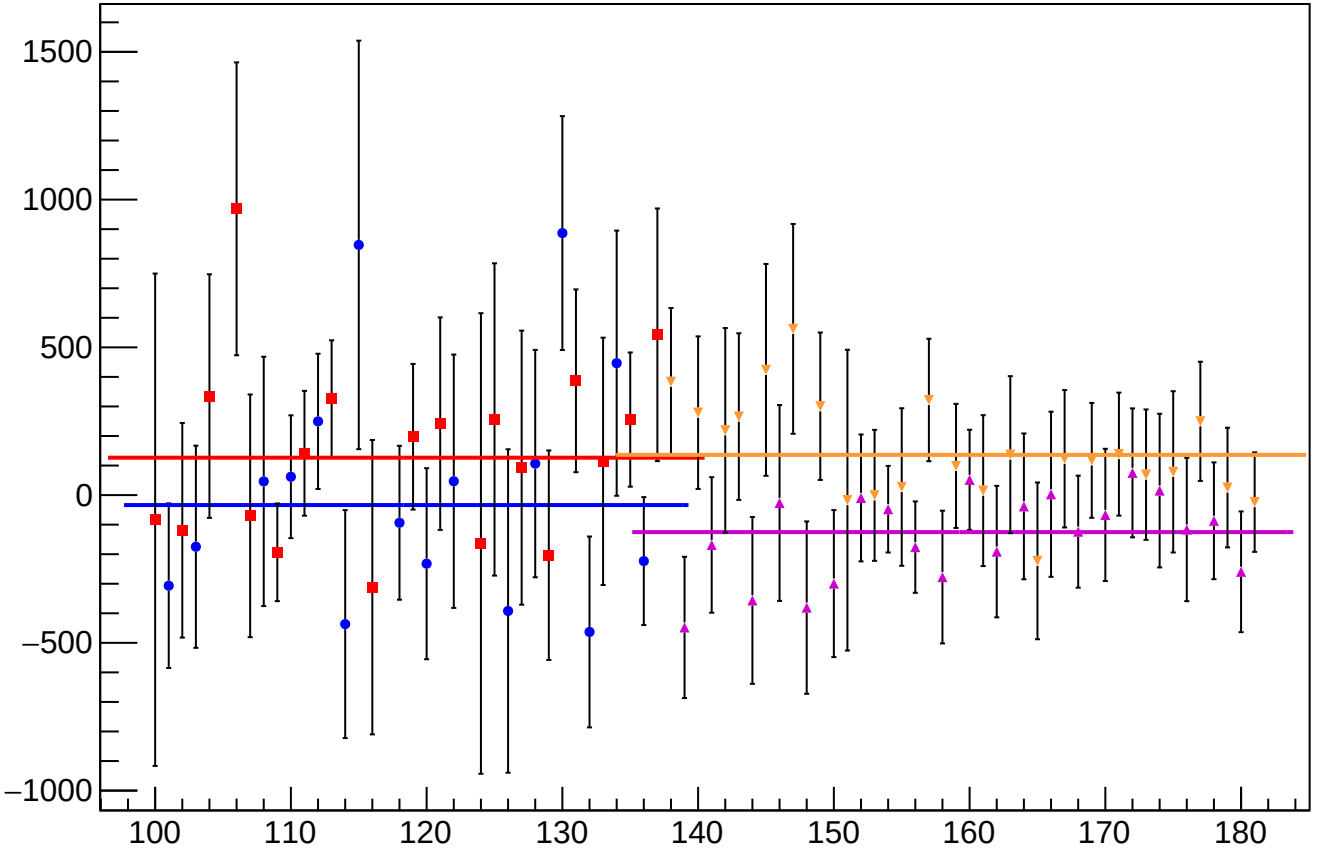
Left In: 181.110+/-0.032 χ^2/NDF:1615638.2/20

+ sign 199.844+/-0.029 χ^2/NDF: 2645894.2/38

All: 188.328+/-0.020 χ^2/NDF: 6203134.2/78

- sign 178.522+/-0.027 χ^2/NDF: 3267830.0/39

asym_bcm_dg_us_mean vs Slug



Right In: -33.731+/-78.996 χ^2/NDF: 15.7/15

Left Out: 136.034+/-50.120 χ^2/NDF:9.3/22

Right Out: 126.563+/-71.309 χ^2/NDF: 12.7/18

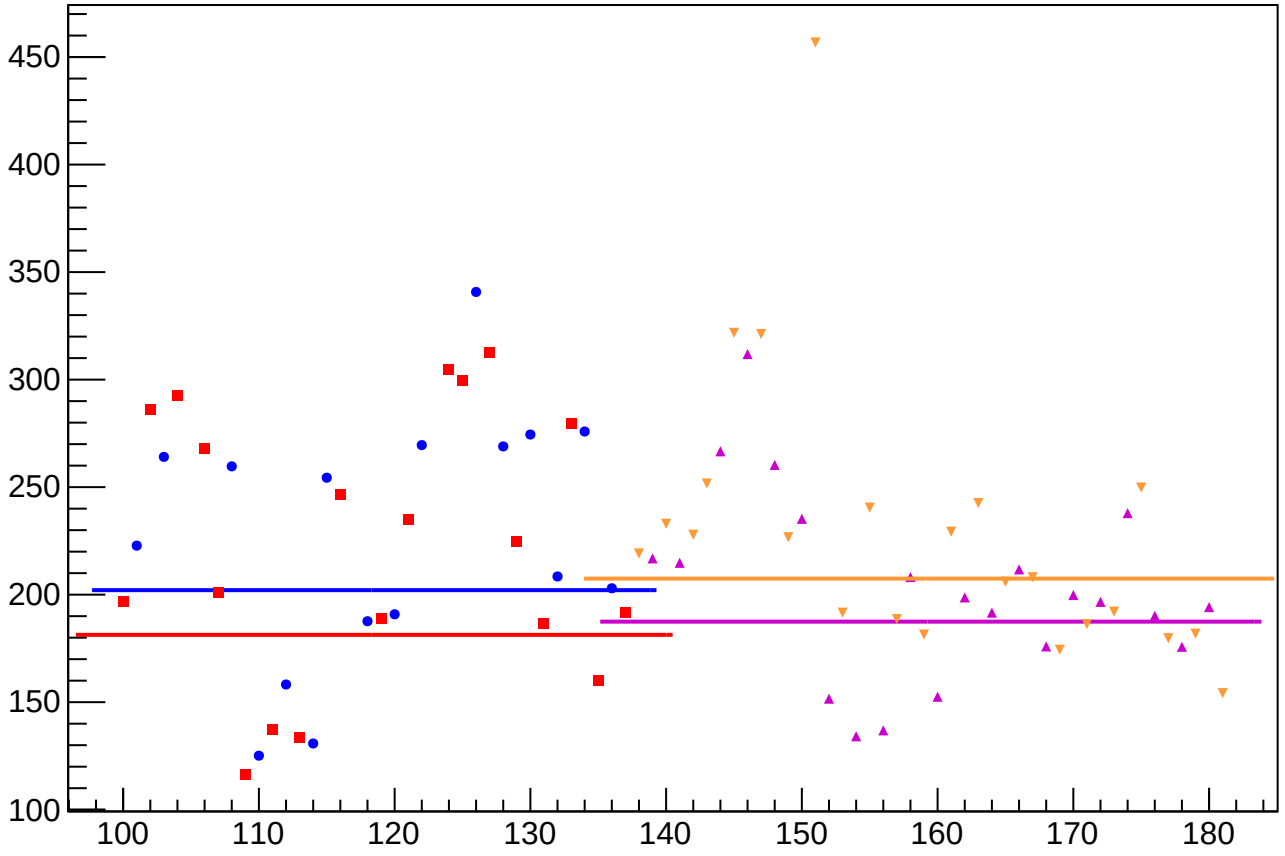
Left In: -125.288+/-47.122 χ^2/NDF:8.2/20

+ sign 87.309+/-42.321 χ^2/NDF: 28.3/38

All: 14.281+/-28.803 χ^2/NDF: 63.4/78

- sign -48.739+/-39.314 χ^2/NDF: 29.6/39

asym_bcm_dg_us_rms vs Slug



Right In: 202.090+/-0.056 χ^2/NDF: 910259.2/15

Left Out: 207.463+/-0.035 χ^2/NDF:1525085.8/22

Right Out: 181.312+/-0.050 χ^2/NDF: 1440989.4/18

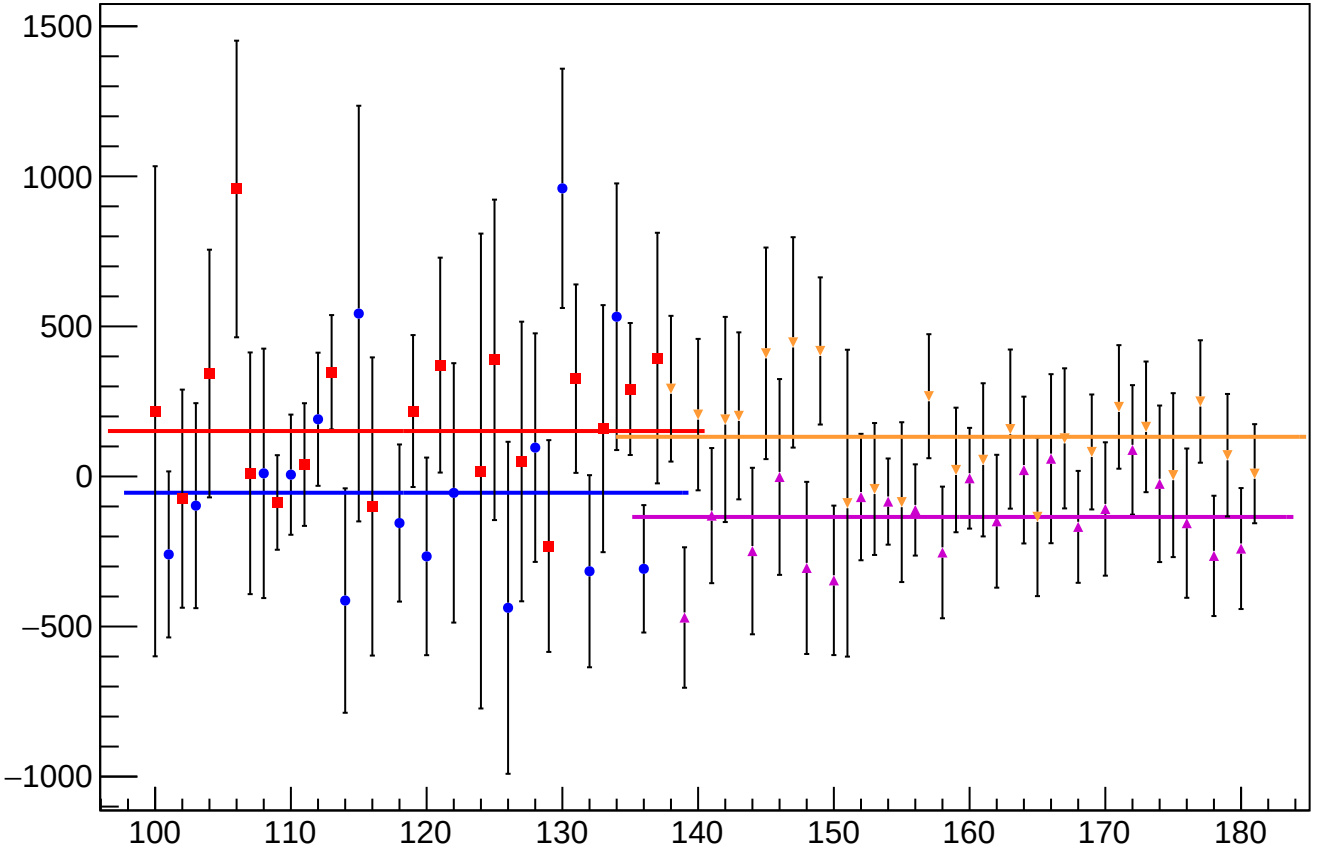
Left In: 187.451+/-0.033 χ^2/NDF:1455335.2/20

+ sign 205.921+/-0.030 χ^2/NDF: 2441942.0/38

All: 195.005+/-0.020 χ^2/NDF: 5596474.4/78

- sign 185.585+/-0.028 χ^2/NDF: 2906640.0/39

asym_bcm_dg_ds_mean vs Slug



Right In: -54.254+/-77.946 χ^2/NDF: 15.1/15

Left Out: 132.134+/-49.715 χ^2/NDF:8.2/22

Right Out: 151.358+/-69.902 χ^2/NDF: 10.2/18

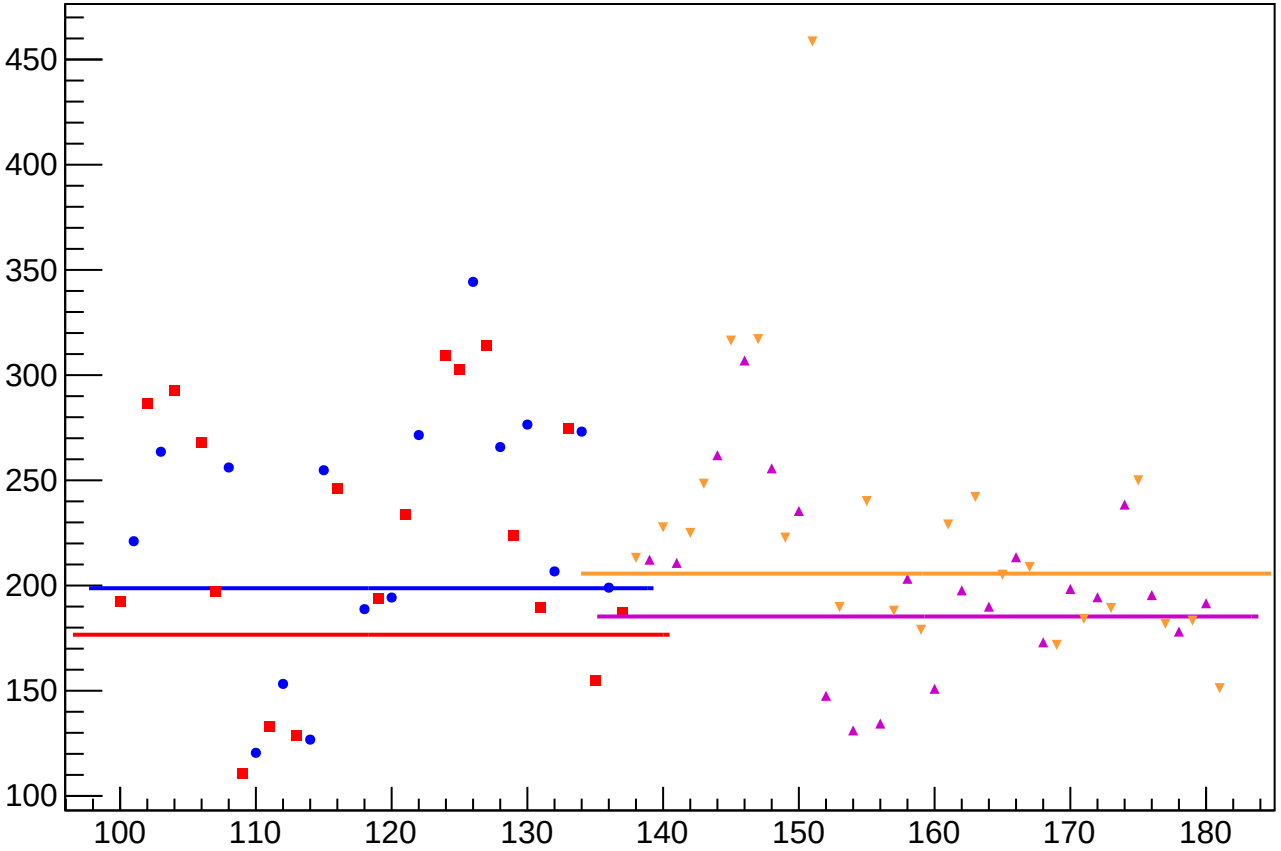
Left In: -134.893+/-46.632 χ^2/NDF:7.5/20

\+ sign 78.237+/-41.915 χ^2/NDF: 27.4/38

All: 10.924+/-28.470 χ^2/NDF: 61.5/78

\- sign -46.734+/-38.793 χ^2/NDF: 29.3/39

asym_bcm_dg_ds_rms vs Slug



Right In: 198.718+/-0.055 χ^2/NDF: 994068.9/15

Left Out: 205.670+/-0.035 χ^2/NDF:1533086.4/22

Right Out: 176.621+/-0.049 χ^2/NDF: 1595710.1/18

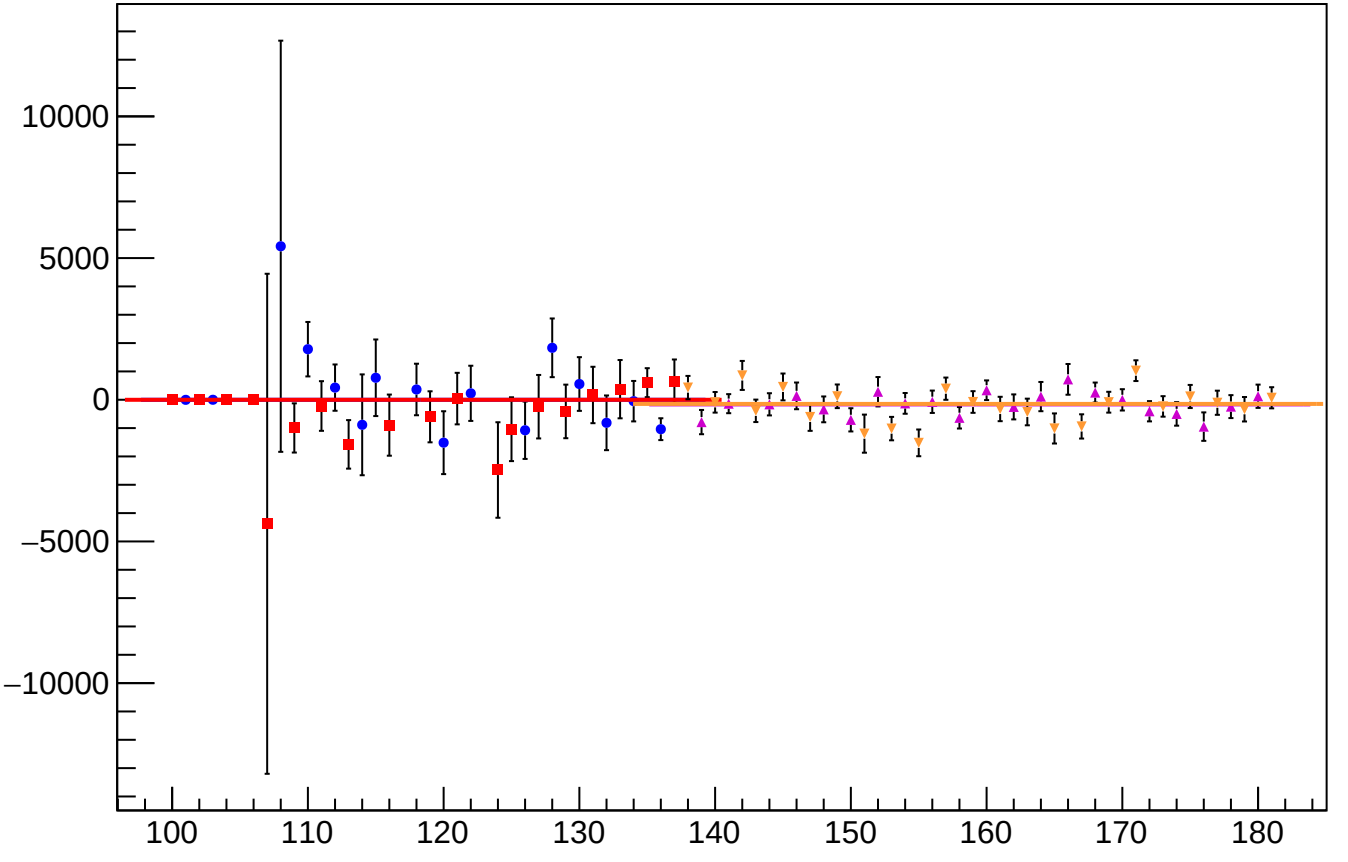
Left In: 185.283+/-0.033 χ^2/NDF:1491744.3/20

+ sign 203.660+/-0.030 χ^2/NDF: 2538464.0/38

All: 192.325+/-0.020 χ^2/NDF: 5918728.9/78

- sign 182.615+/-0.027 χ^2/NDF: 3108704.8/39

asym_cav4bQ_mean vs Slug



Right In: -1.239+/-2.171 χ^2/NDF: 19.9/15

Left Out: -146.735+/-87.890 χ^2/NDF:44.4/22

Right Out: -1.377+/-2.022 χ^2/NDF: 16.8/18

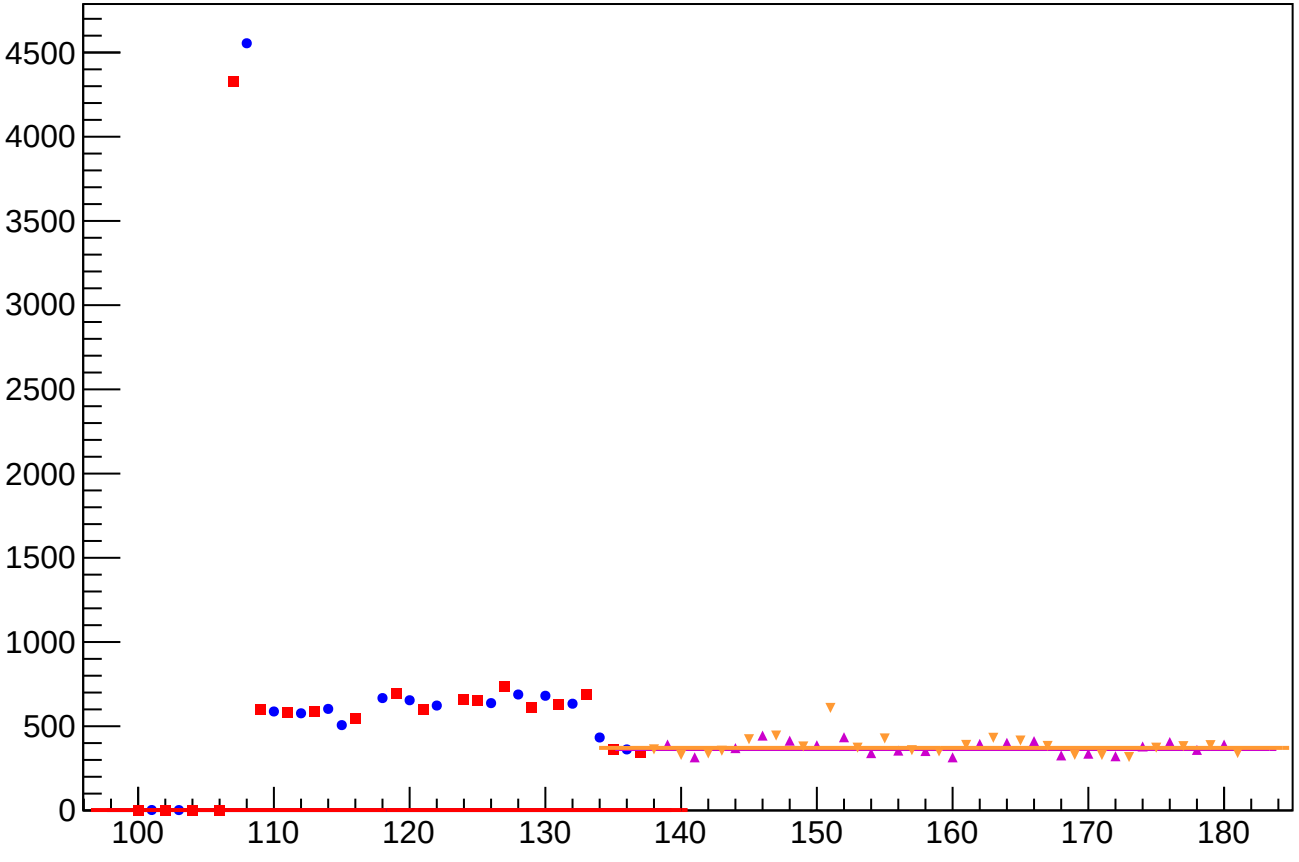
Left In: -164.748+/-89.071 χ^2/NDF:17.6/20

+ sign -1.328+/-2.170 χ^2/NDF: 67.0/38

All: -1.399+/-1.479 χ^2/NDF: 104.8/78

- sign -1.462+/-2.022 χ^2/NDF: 37.8/39

asym_cav4bQ_rms vs Slug



Right In: 2.477+/-0.002 χ^2/NDF: 11626192.3/15

Left Out: 371.445+/-0.062 χ^2/NDF:560159.9/22

Right Out: 2.462+/-0.001 χ^2/NDF: 11545445.6/18

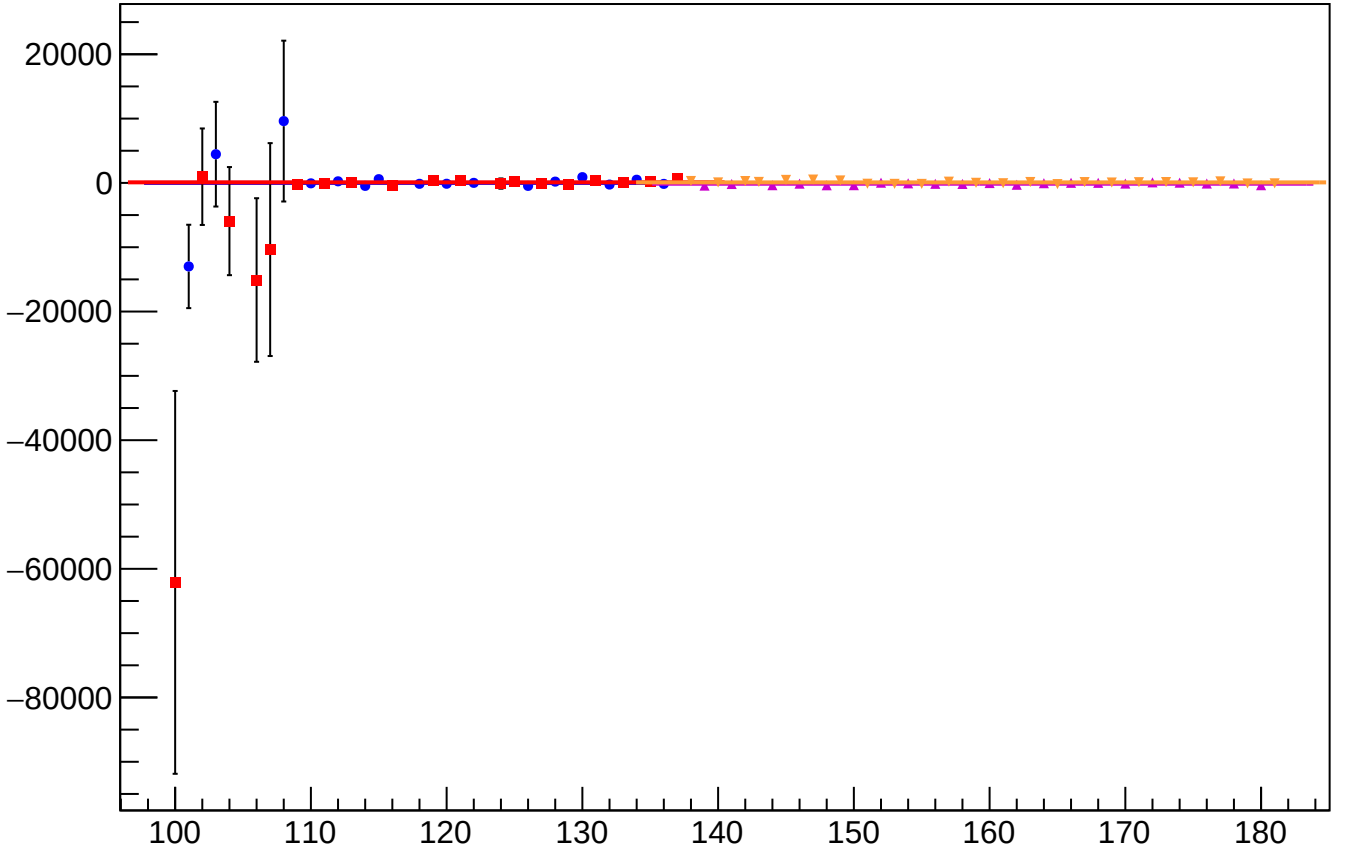
Left In: 364.837+/-0.063 χ^2/NDF:349028.2/20

+ sign 2.702+/-0.002 χ^2/NDF: 47412813.3/38

All: 2.673+/-0.001 χ^2/NDF: 92394086.1/78

- sign 2.649+/-0.001 χ^2/NDF: 44980639.8/39

asym_cav4cQ_mean vs Slug



Right In: 0.575+/-87.823 χ^2/NDF: 16.8/15

Left Out: 80.312+/-50.603 χ^2/NDF:10.8/22

Right Out: 88.089+/-81.605 χ^2/NDF: 14.9/18

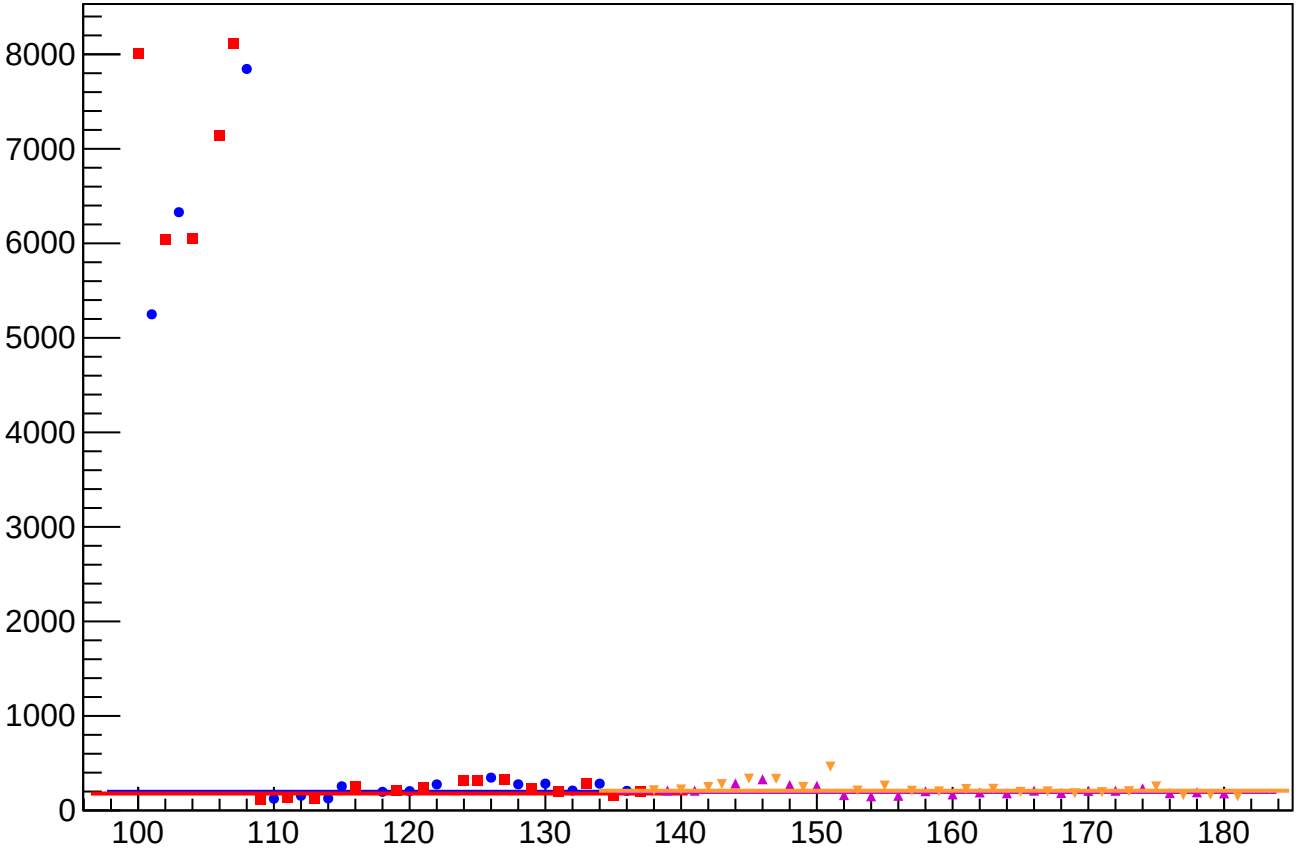
Left In: -129.268+/-48.932 χ^2/NDF:8.7/20

+ sign 60.438+/-43.845 χ^2/NDF: 28.3/38

All: -8.569+/-30.317 χ^2/NDF: 61.8/78

- sign -71.786+/-41.966 χ^2/NDF: 28.8/39

asym_cav4cQ_rms vs Slug



Right In: 197.620+/-0.062 χ^2/NDF: 3957192.6/15

Left Out: 208.685+/-0.036 χ^2/NDF:1830337.9/22

Right Out: 179.250+/-0.058 χ^2/NDF: 4418422.9/18

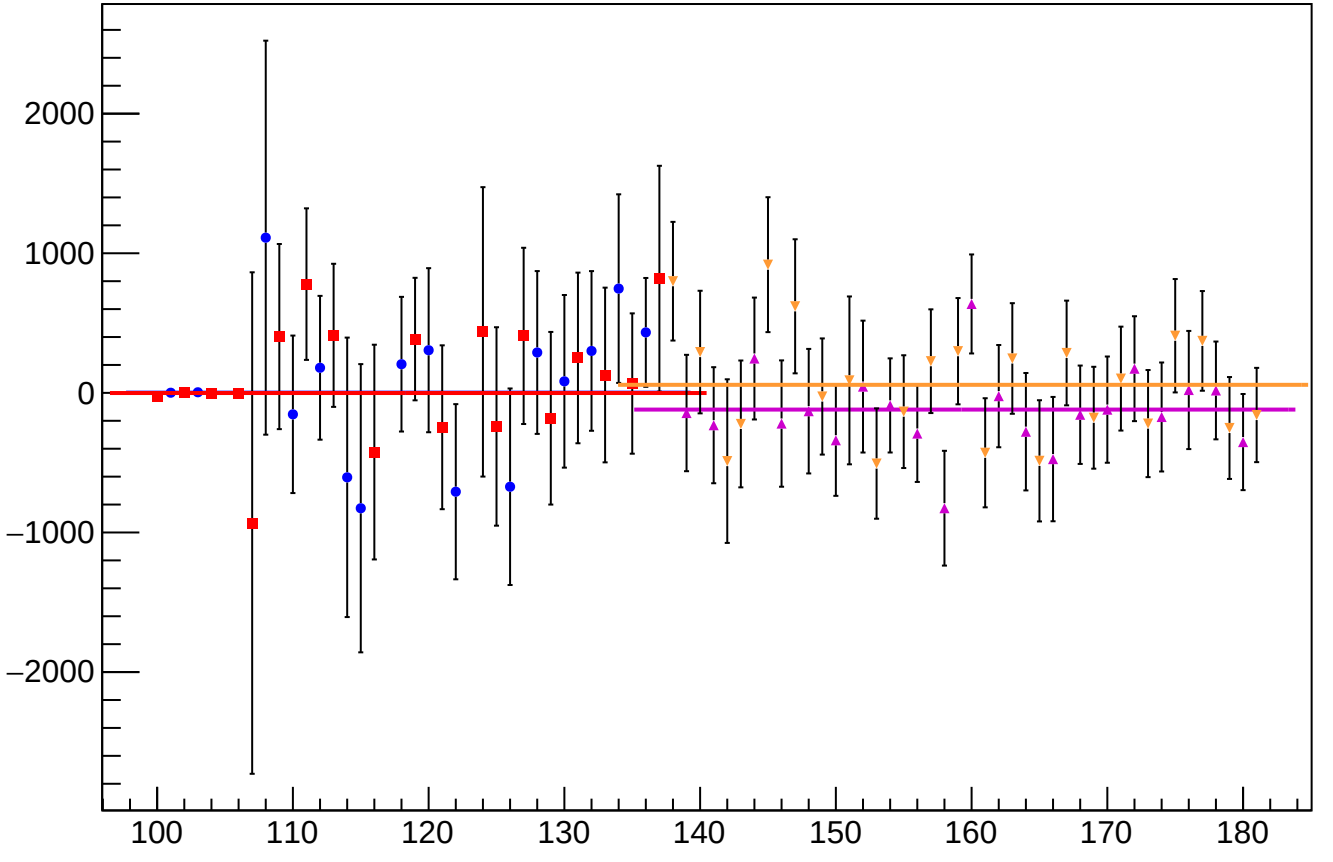
Left In: 195.688+/-0.035 χ^2/NDF:1156593.4/20

+ sign 205.927+/-0.031 χ^2/NDF: 5811365.0/38

All: 198.314+/-0.021 χ^2/NDF: 11561585.0/78

- sign 191.341+/-0.030 χ^2/NDF: 5634708.8/39

asym_cav4dQ_mean vs Slug



Right In: 1.456+/-1.660 χ^2/NDF: 7.9/15

Left Out: 57.671+/-84.705 χ^2/NDF:19.4/22

Right Out: -1.094+/-1.528 χ^2/NDF: 9.2/18

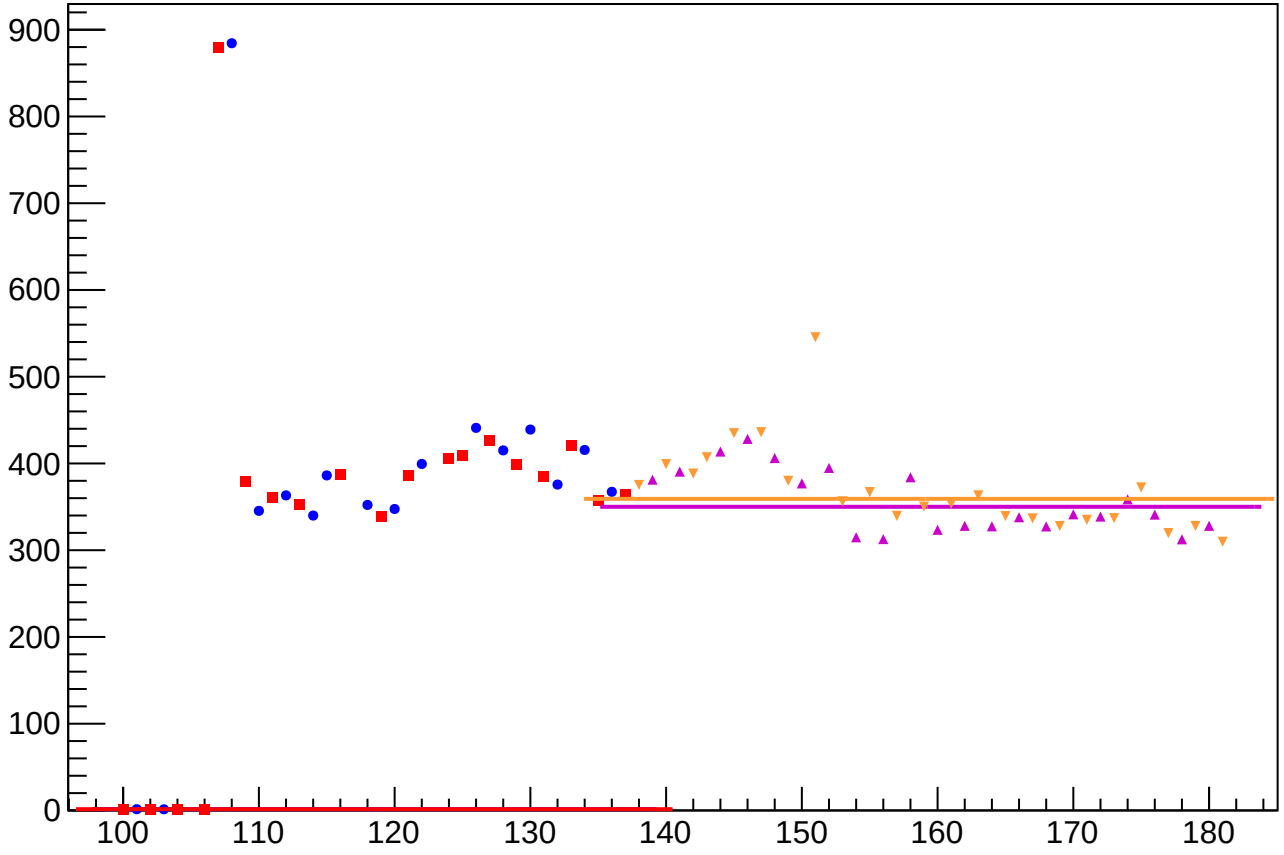
Left In: -119.666+/-85.308 χ^2/NDF:11.2/20

+ sign 1.477+/-1.660 χ^2/NDF: 27.7/38

All: 0.065+/-1.124 χ^2/NDF: 51.3/78

- sign -1.132+/-1.528 χ^2/NDF: 22.3/39

asym_cav4dQ_rms vs Slug



Right In: 1.470+/-0.001 χ^2/NDF: 11735334.0/15

Left Out: 359.200+/-0.060 χ^2/NDF:477556.2/22

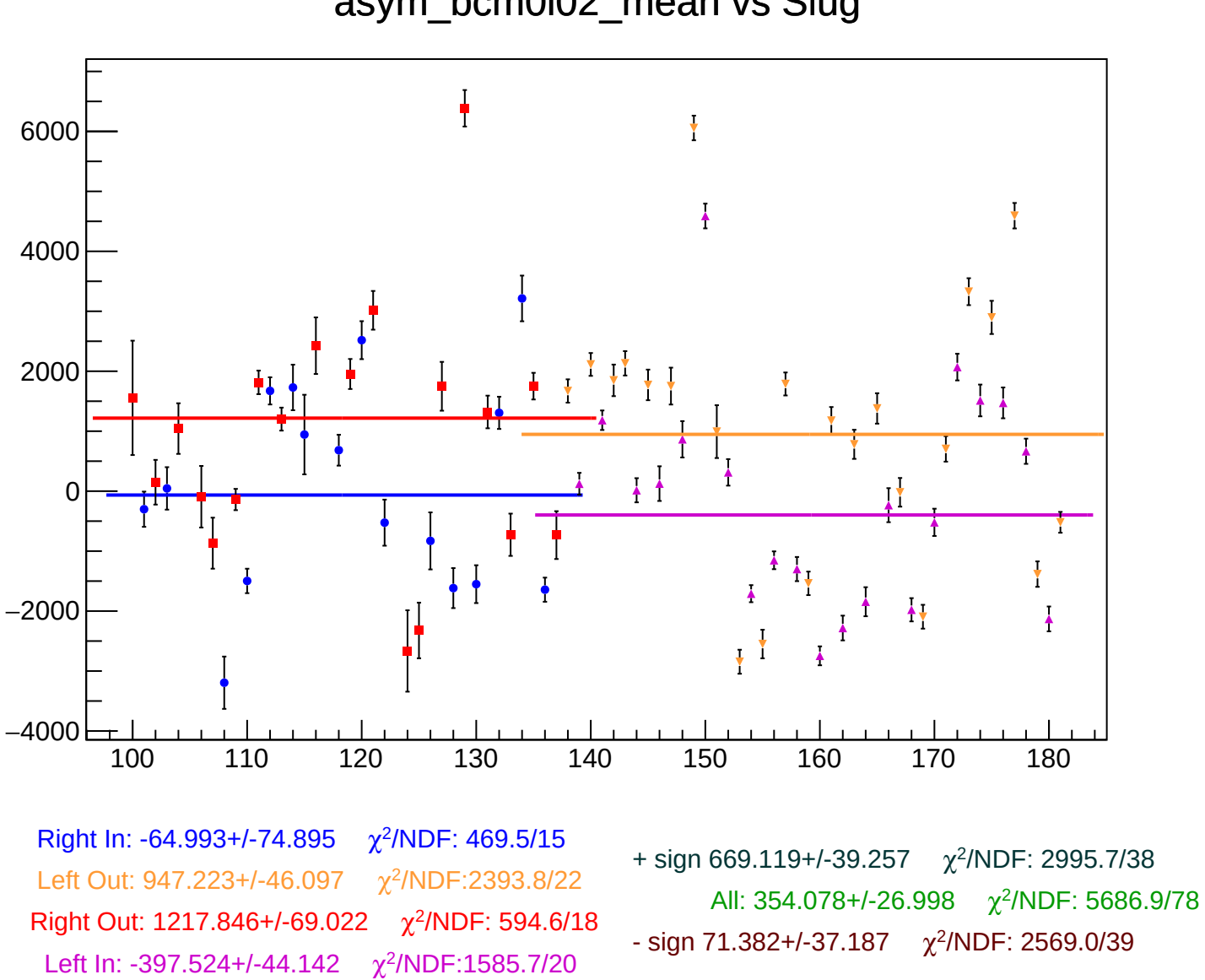
Right Out: 1.467+/-0.001 χ^2/NDF: 11270430.6/18

Left In: 350.059+/-0.060 χ^2/NDF:319758.3/20

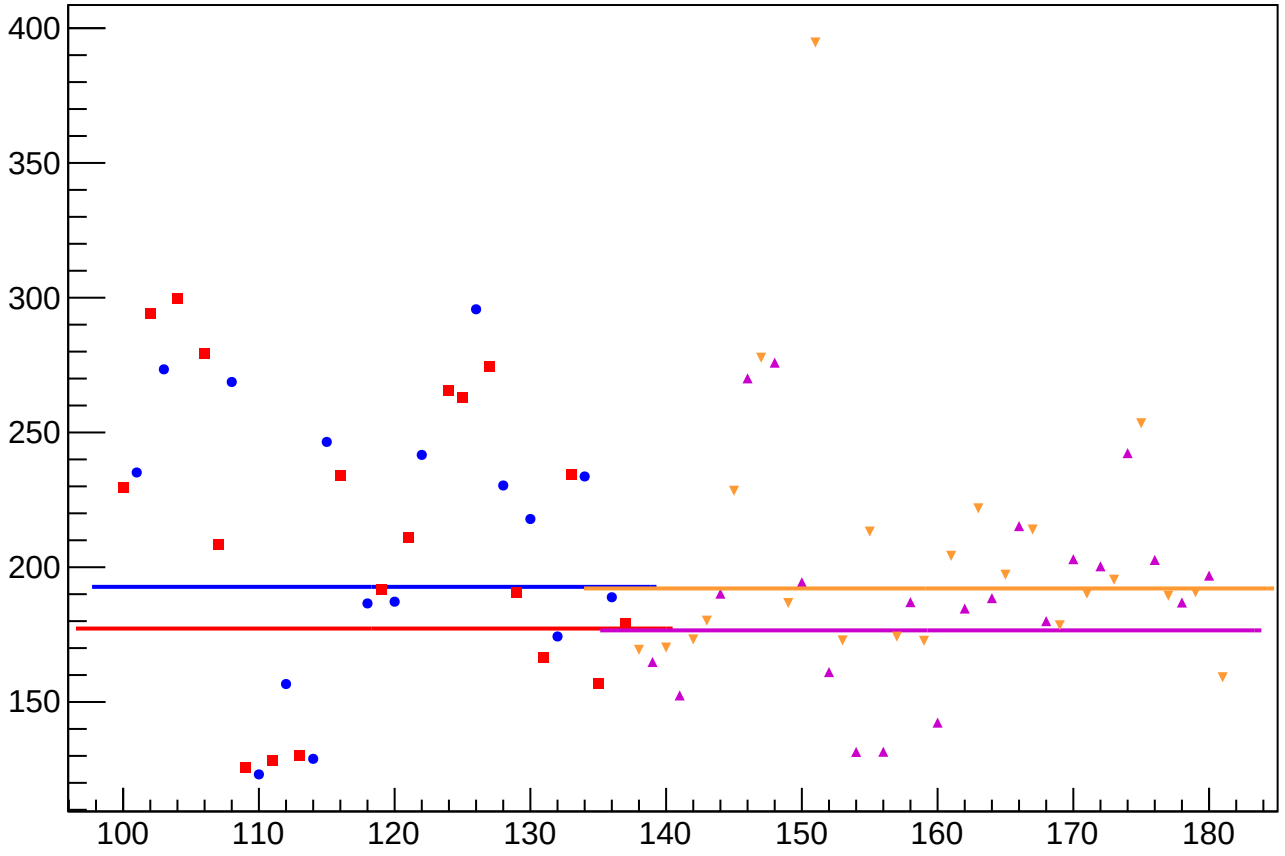
\+ sign 1.608+/-0.001 χ^2/NDF: 47870732.6/38

All: 1.592+/-0.001 χ^2/NDF: 92845633.9/78

\- sign 1.579+/-0.001 χ^2/NDF: 44974579.0/39


asym_bcm0l02_mean vs Slug
6000
4000
2000
0
−2000
−4000
100
110
120
130
140
150
160
170
180
Right In: -64.993+/-74.895 χ²/NDF: 469.5/15
Left Out: 947.223+/-46.097 χ²/NDF:2393.8/22
Right Out: 1217.846+/-69.022 χ²/NDF: 594.6/18
Left In: -397.524+/-44.142 χ²/NDF:1585.7/20
+ sign 669.119+/-39.257 χ²/NDF: 2995.7/38
All: 354.078+/-26.998 χ²/NDF: 5686.9/78
- sign 71.382+/-37.187 χ²/NDF: 2569.0/39

asym_bcm0l02_rms vs Slug



Right In: 192.719+/-0.053 χ^2/NDF: 759146.3/15

Left Out: 192.123+/-0.033 χ^2/NDF:995694.6/22

Right Out: 177.251+/-0.049 χ^2/NDF: 1226180.2/18

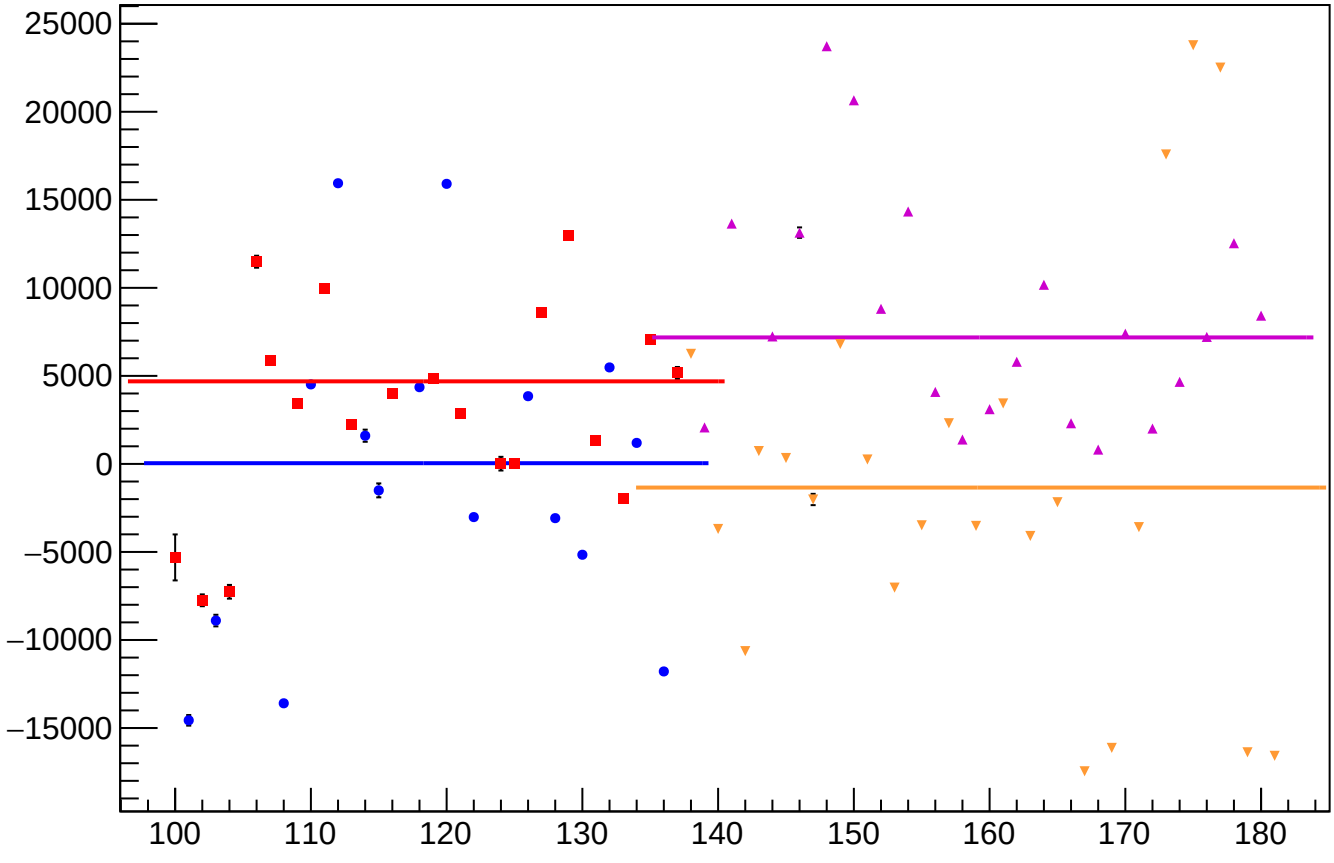
Left In: 176.568+/-0.031 χ^2/NDF:1257335.3/20

+ sign 192.287+/-0.028 χ^2/NDF: 1754932.9/38

All: 184.107+/-0.019 χ^2/NDF: 4403348.4/78

- sign 176.766+/-0.026 χ^2/NDF: 2483654.7/39

asym_bpm0i02WS_mean vs Slug



Right In: 40.915+/-54.199 χ^2/NDF: 30786.3/15

Left Out: -1342.963+/-41.556 χ^2/NDF:61953.5/22

Right Out: 4689.710+/-52.095 χ^2/NDF: 7795.7/18

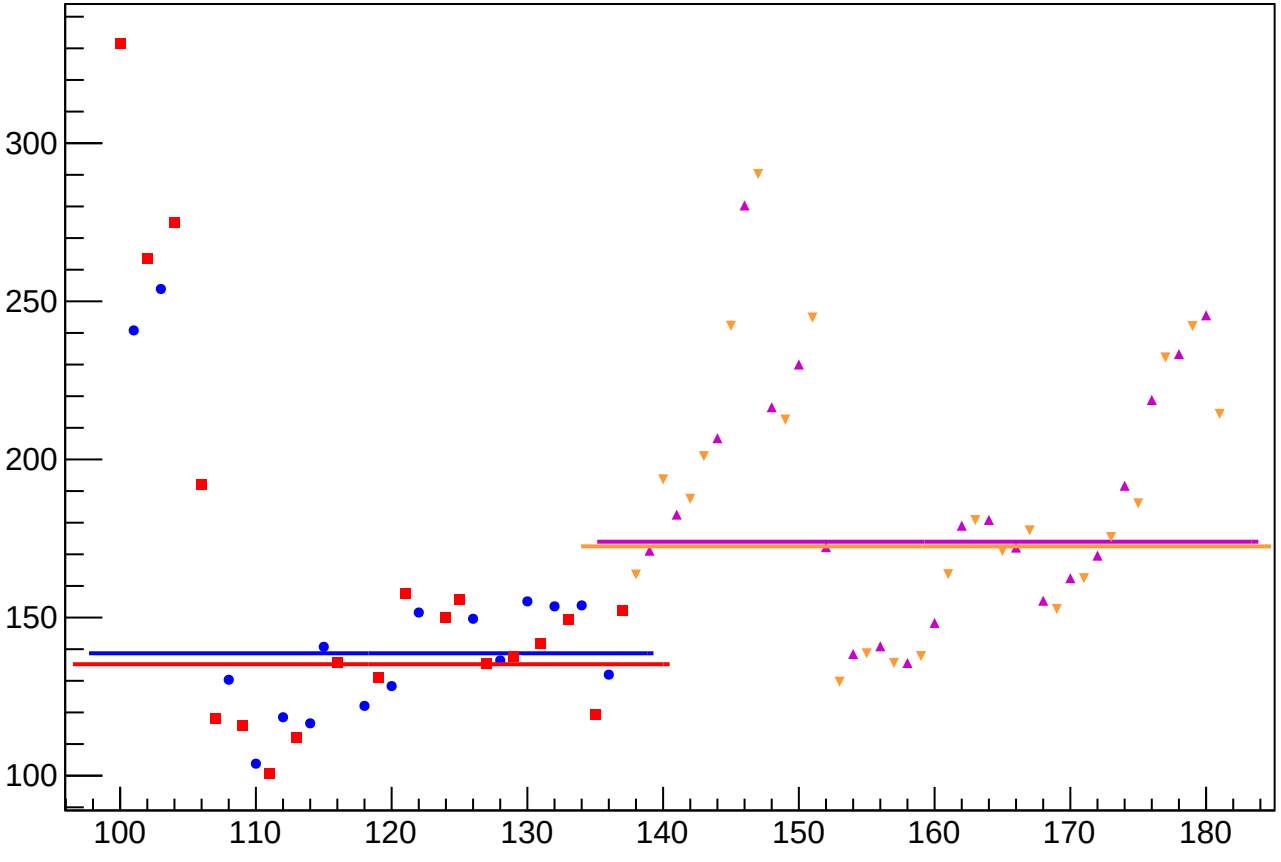
Left In: 7184.077+/-43.337 χ^2/NDF:18197.5/20

+ sign -830.609+/-32.978 χ^2/NDF: 93150.4/38

All: 2630.987+/-23.438 χ^2/NDF: 142761.6/78

- sign 6163.904+/-33.316 χ^2/NDF: 27348.1/39

asym_bpm0i02WS_rms vs Slug



Right In: 138.712+/-0.038 χ^2/NDF: 657791.3/15

Left Out: 172.515+/-0.029 χ^2/NDF:1508361.9/22

Right Out: 135.245+/-0.037 χ^2/NDF: 890024.8/18

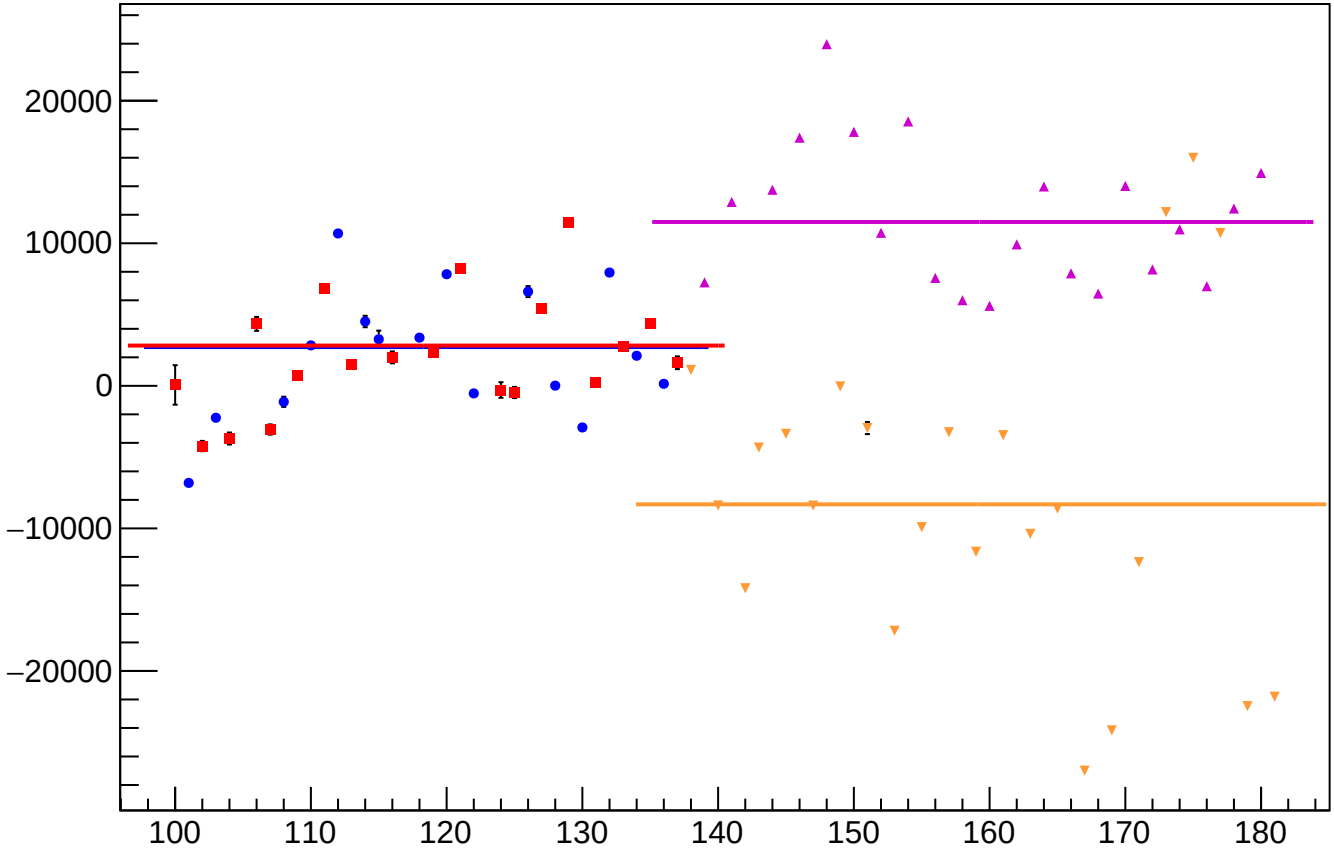
Left In: 173.984+/-0.031 χ^2/NDF:1223691.1/20

+ sign 160.000+/-0.023 χ^2/NDF: 2656087.7/38

All: 159.079+/-0.017 χ^2/NDF: 5426564.3/78

- sign 158.140+/-0.024 χ^2/NDF: 2767328.5/39

asym_bpm0i02aWS_mean vs Slug



Right In: 2719.896+/-69.247 χ^2/NDF: 4129.3/15

Left Out: -8312.319+/-47.083 χ^2/NDF:55165.6/22

Right Out: 2823.679+/-64.850 χ^2/NDF: 3062.8/18

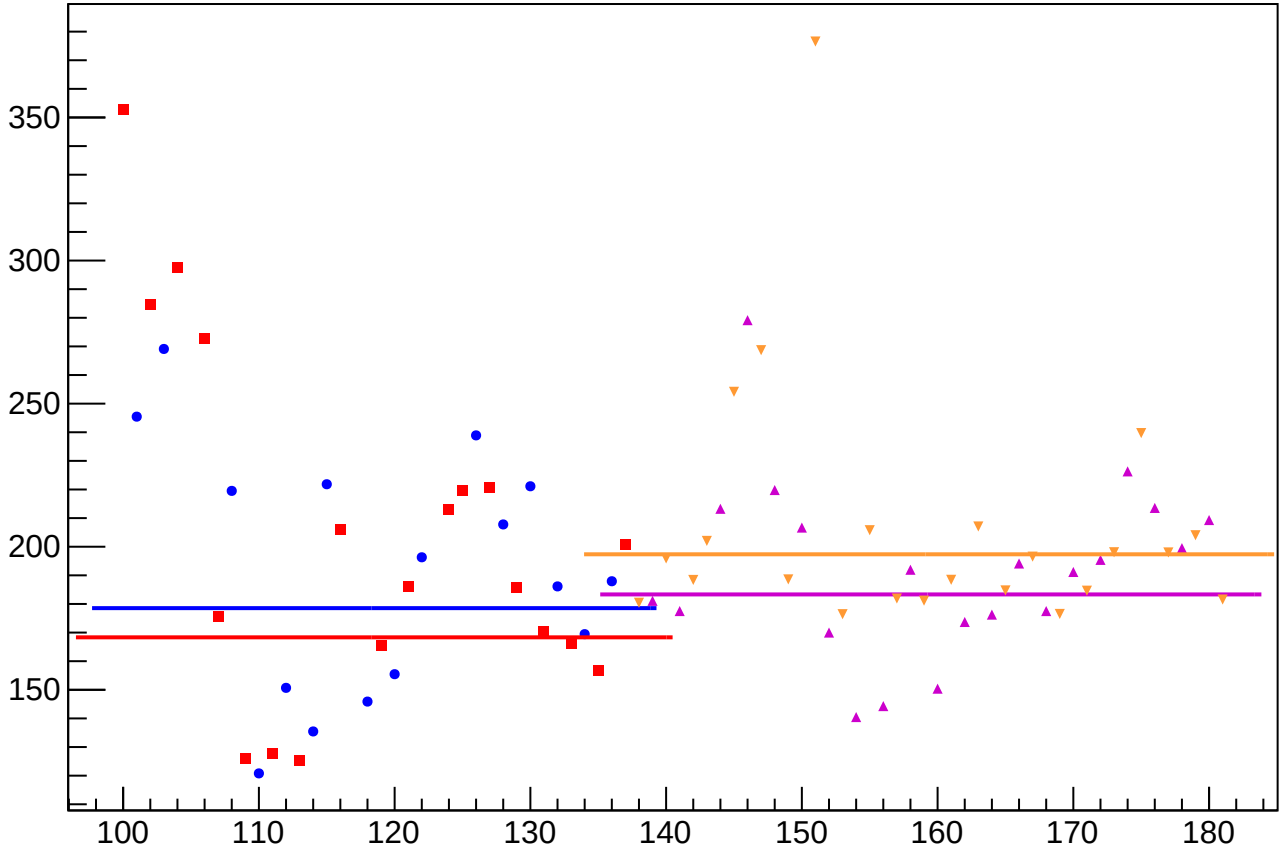
Left In: 11494.868+/-45.463 χ^2/NDF:11122.7/20

+ sign -4824.548+/-38.935 χ^2/NDF: 76652.4/38

All: 2208.430+/-26.907 χ^2/NDF: 165280.2/78

- sign 8637.565+/-37.226 χ^2/NDF: 26172.9/39

asym_bpm0i02aWS_rms vs Slug



Right In: 178.541+/-0.049 χ^2/NDF: 674566.0/15

Left Out: 197.355+/-0.033 χ^2/NDF:731687.2/22

Right Out: 168.335+/-0.046 χ^2/NDF: 979485.9/18

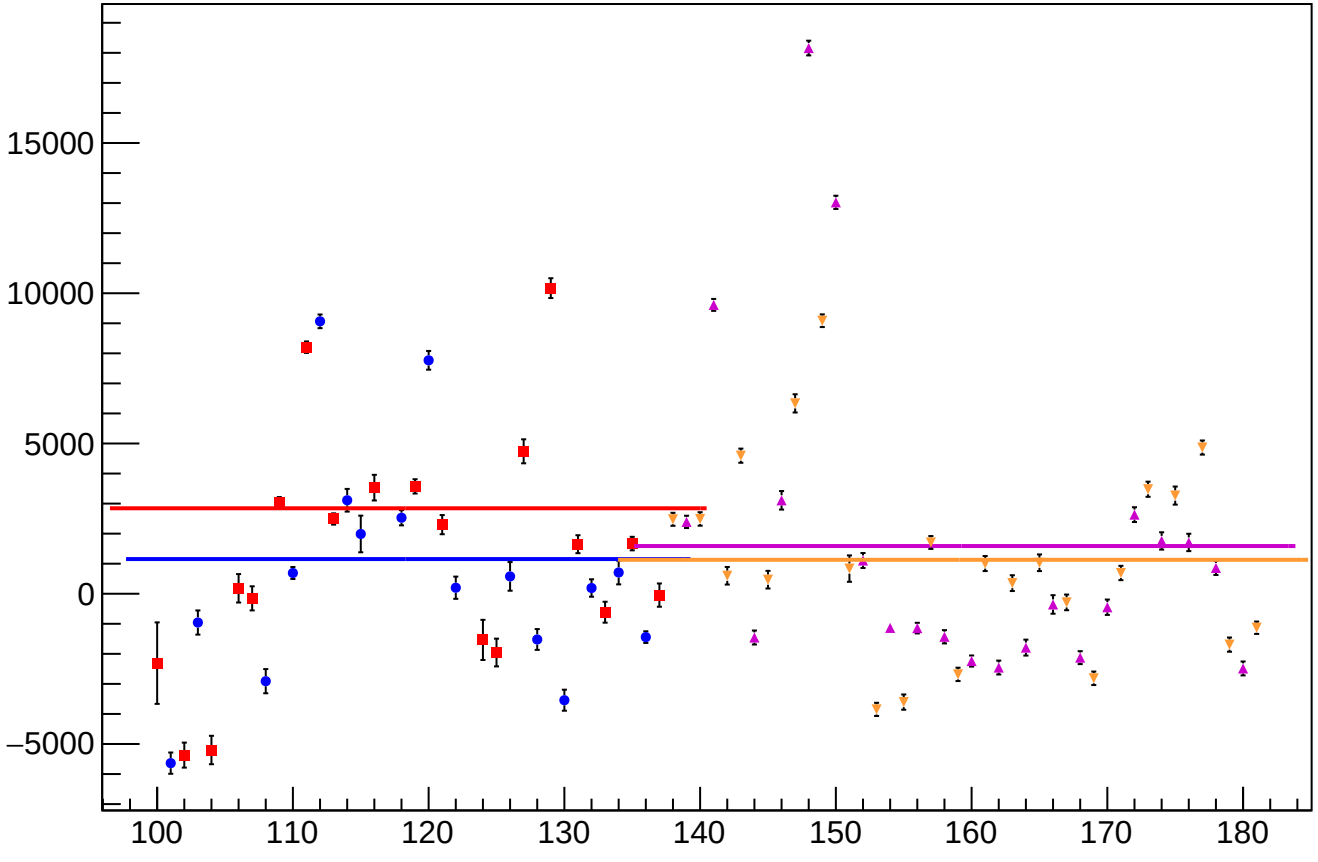
Left In: 183.332+/-0.032 χ^2/NDF:822256.1/20

+ sign 191.407+/-0.028 χ^2/NDF: 1507212.0/38

All: 184.606+/-0.019 χ^2/NDF: 3497454.2/78

- sign 178.390+/-0.026 χ^2/NDF: 1873456.6/39

asym_bpm0i05WS_mean vs Slug



Right In: 1153.823+/-75.957 χ^2/NDF: 2655.3/15

Left Out: 1129.734+/-51.231 χ^2/NDF:4182.1/22

Right Out: 2843.895+/-69.139 χ^2/NDF: 2453.1/18

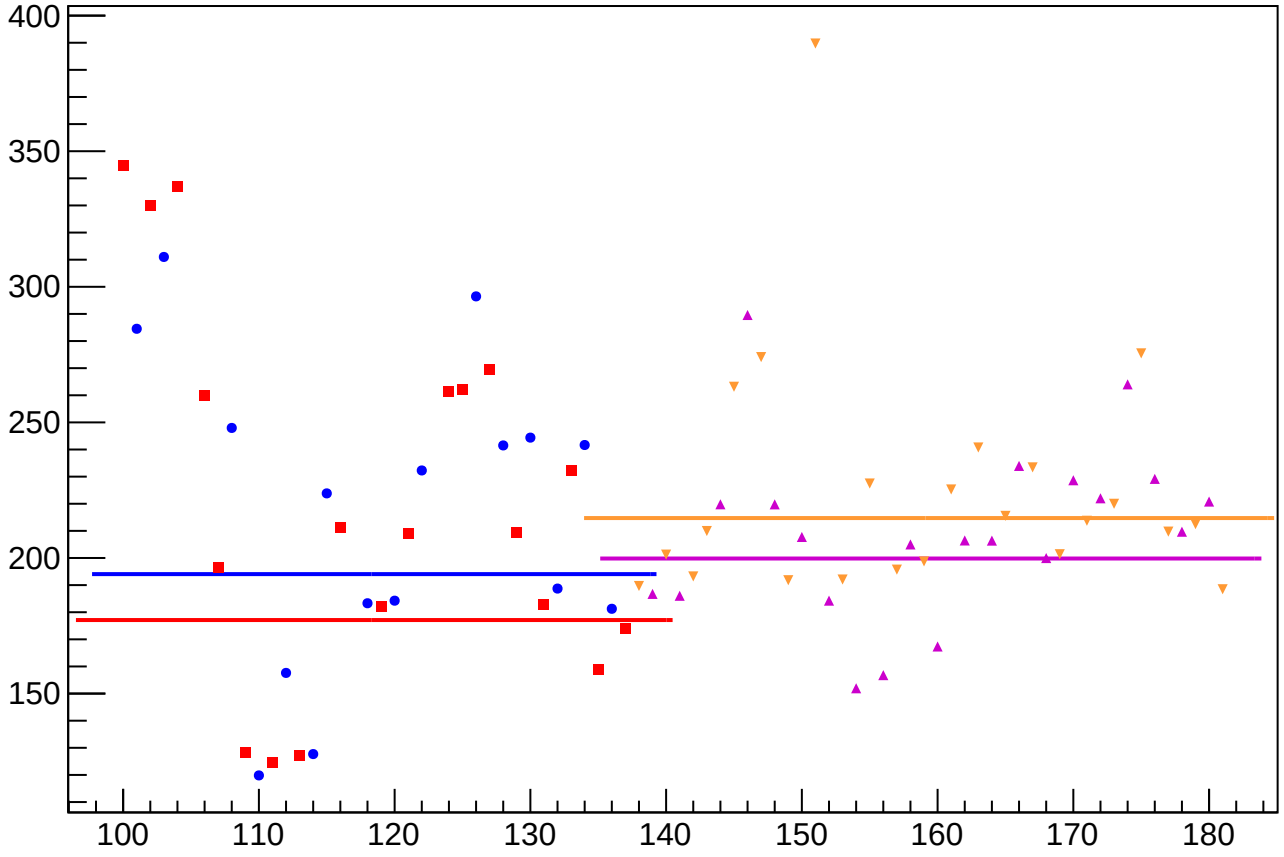
Left In: 1587.403+/-49.552 χ^2/NDF:11432.6/20

+ sign 1137.266+/-42.473 χ^2/NDF: 6837.5/38

All: 1598.786+/-29.225 χ^2/NDF: 21165.7/78

- sign 2013.791+/-40.276 χ^2/NDF: 14103.9/39

asym_bpm0i05WS_rms vs Slug



Right In: 194.053+/-0.054 χ^2/NDF: 965786.1/15

Left Out: 214.723+/-0.036 χ^2/NDF:725984.1/22

Right Out: 177.115+/-0.049 χ^2/NDF: 1359345.8/18

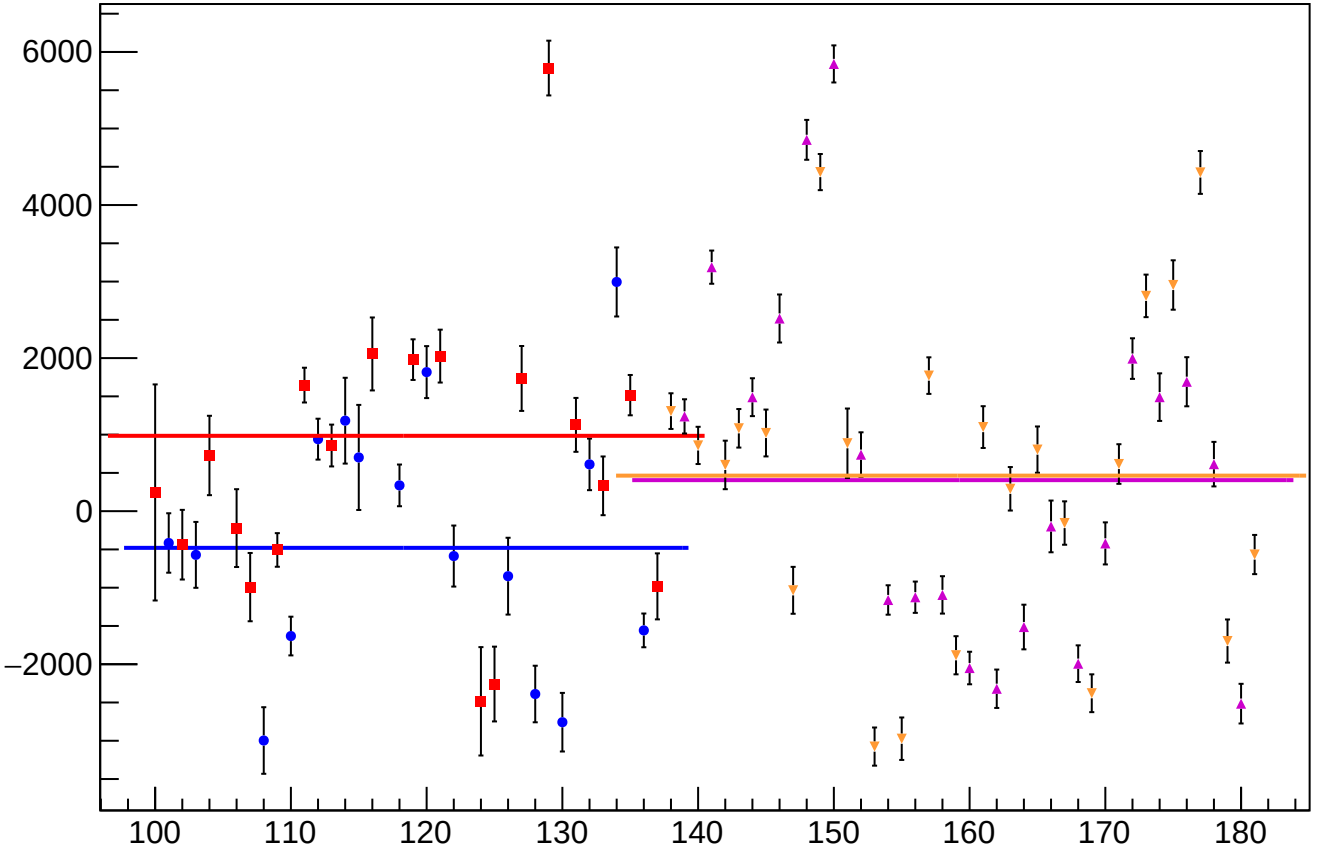
Left In: 199.804+/-0.035 χ^2/NDF:784823.8/20

+ sign 208.260+/-0.030 χ^2/NDF: 1793567.5/38

All: 199.754+/-0.021 χ^2/NDF: 4232386.9/78

- sign 192.105+/-0.028 χ^2/NDF: 2286464.0/39

asym_bpm0i07WS_mean vs Slug



Right In: -479.302+/-86.685 χ^2/NDF: 305.4/15

Left Out: 464.310+/-56.662 χ^2/NDF:1357.0/22

Right Out: 984.498+/-80.945 χ^2/NDF: 398.1/18

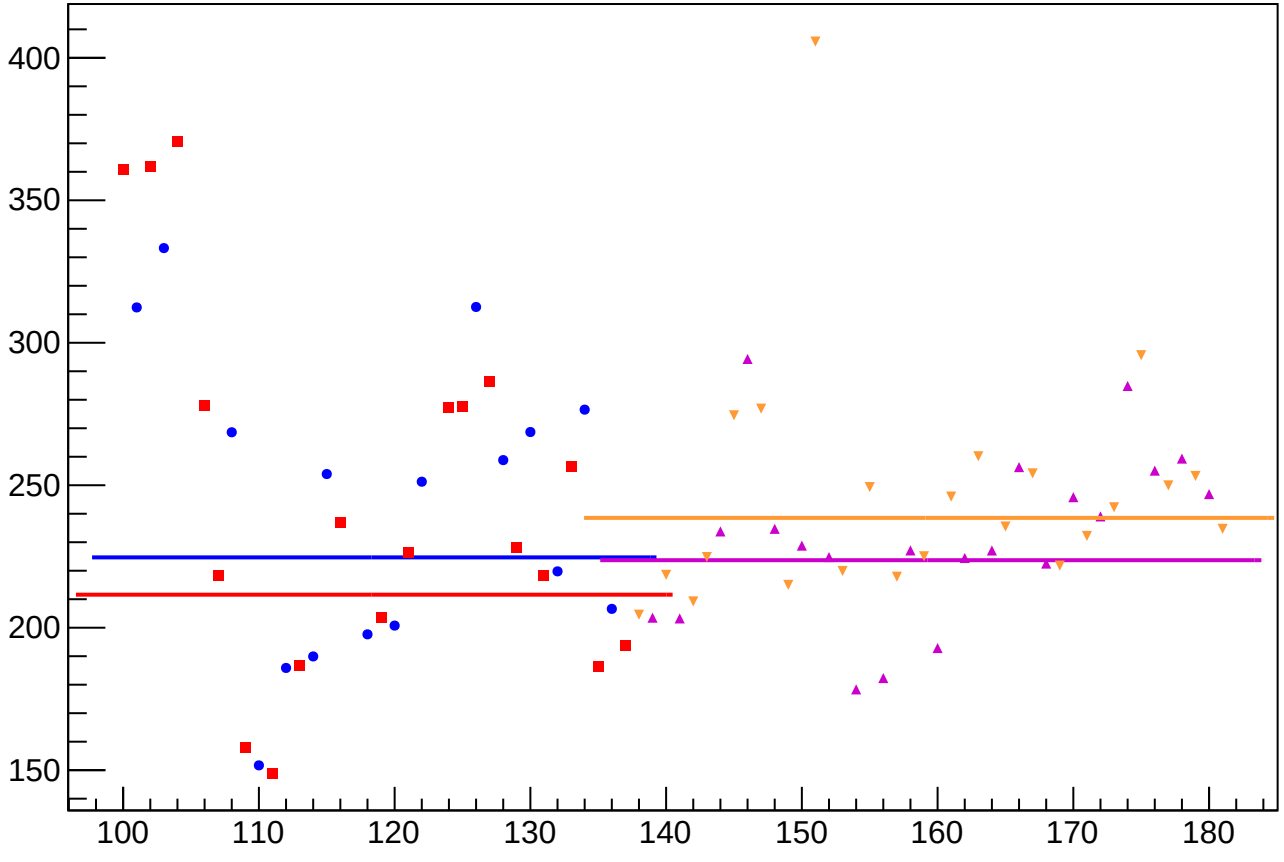
Left In: 405.305+/-55.120 χ^2/NDF:1798.1/20

+ sign 181.829+/-47.429 χ^2/NDF: 1745.5/38

All: 393.486+/-32.857 χ^2/NDF: 4015.0/78

- sign 588.792+/-45.560 χ^2/NDF: 2231.2/39

asym_bpm0i07WS_rms vs Slug



Right In: 224.683+/-0.061 χ^2/NDF: 653193.4/15

Left Out: 238.543+/-0.040 χ^2/NDF:566103.6/22

Right Out: 211.595+/-0.057 χ^2/NDF: 932902.5/18

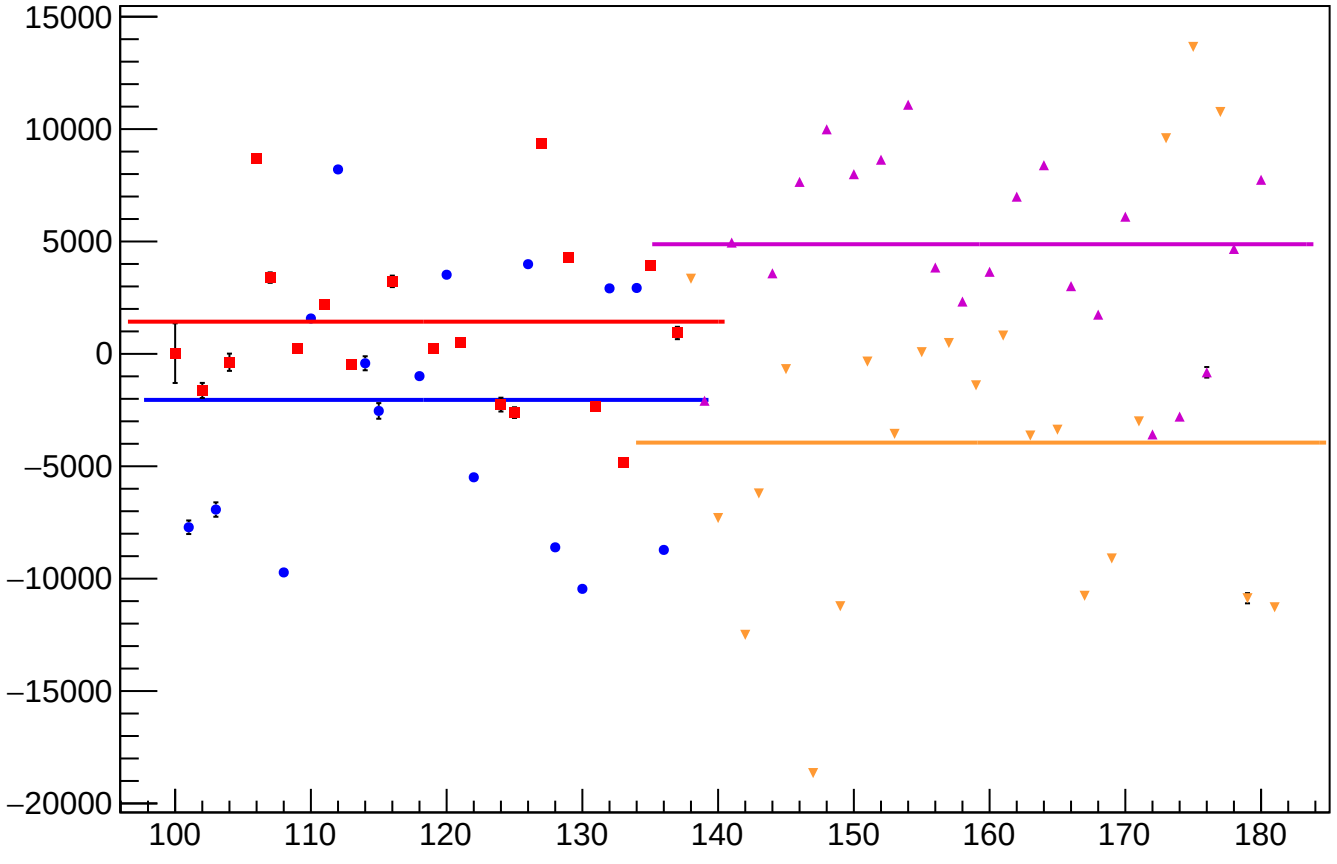
Left In: 223.694+/-0.039 χ^2/NDF:560061.0/20

+ sign 234.394+/-0.034 χ^2/NDF: 1255123.9/38

All: 226.836+/-0.023 χ^2/NDF: 2876279.9/78

- sign 219.861+/-0.032 χ^2/NDF: 1523491.3/39

asym_bpm1i02WS_mean vs Slug



Right In: -2047.267+/-46.722 χ^2/NDF: 16709.1/15

Left Out: -3947.133+/-31.216 χ^2/NDF:53912.1/22

Right Out: 1432.909+/-44.729 χ^2/NDF: 6387.8/18

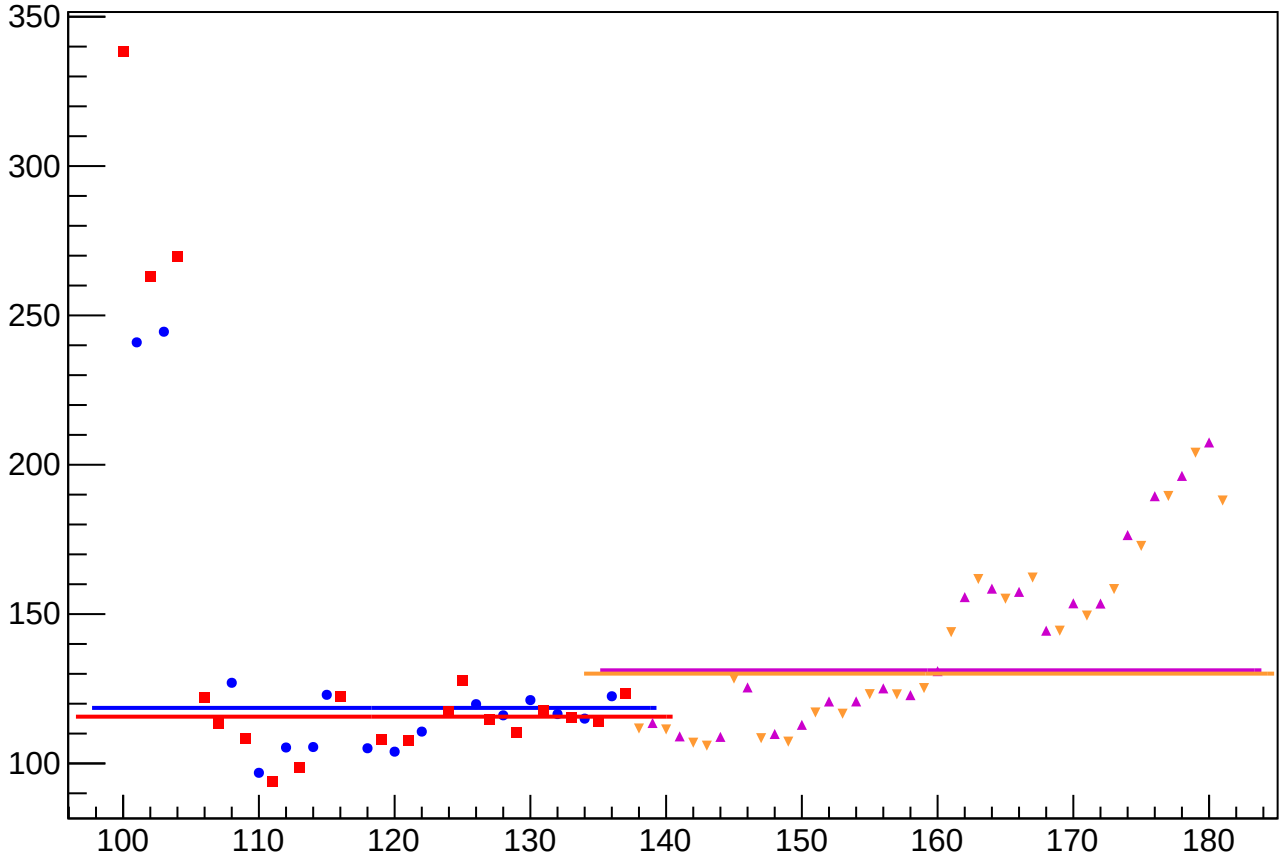
Left In: 4877.883+/-32.422 χ^2/NDF:15405.5/20

\+ sign -3360.792+/-25.956 χ^2/NDF: 71764.4/38

All: 125.368+/-18.457 χ^2/NDF: 133938.4/78

\- sign 3691.294+/-26.251 χ^2/NDF: 25682.0/39

asym_bpm1i02WS_rms vs Slug



Right In: 118.596+/-0.033 χ^2/NDF: 734158.7/15

Left Out: 130.070+/-0.022 χ^2/NDF:1296025.1/22

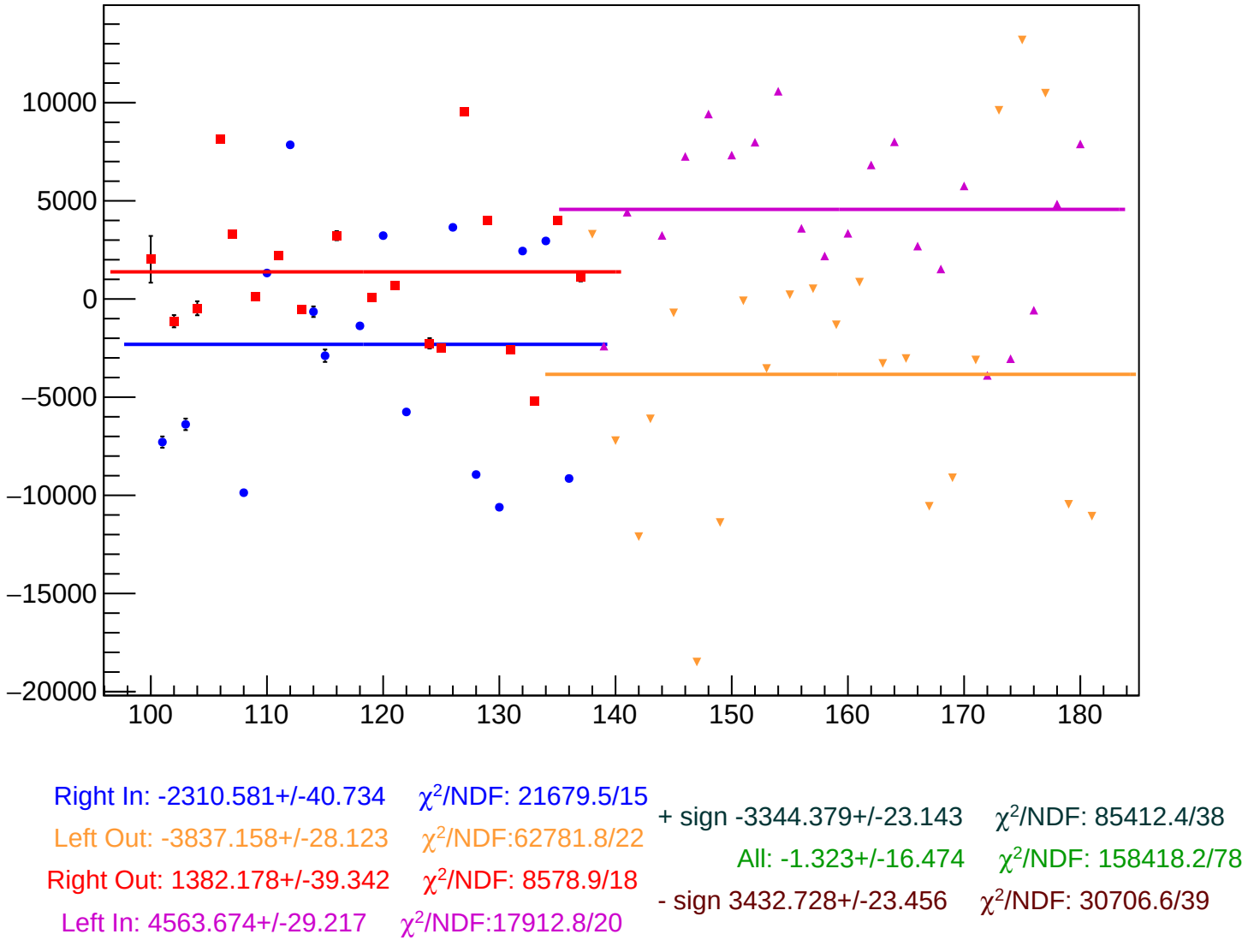
Right Out: 115.660+/-0.032 χ^2/NDF: 864206.3/18

Left In: 131.177+/-0.023 χ^2/NDF:1174576.7/20

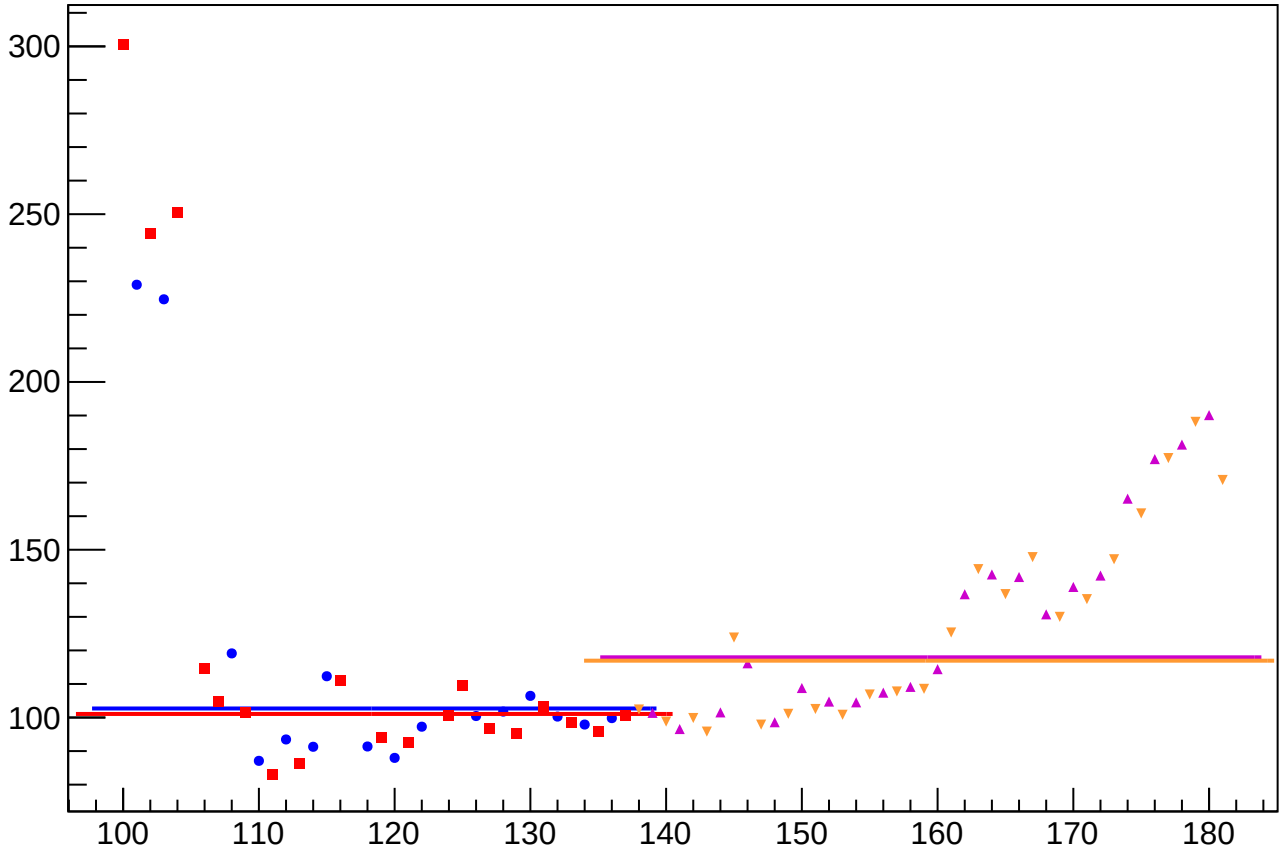
+ sign 126.529+/-0.018 χ^2/NDF: 2113574.5/38

All: 126.184+/-0.013 χ^2/NDF: 4310865.4/78

- sign 125.832+/-0.019 χ^2/NDF: 2196579.1/39


asym_bpm2i01WS_mean vs Slug
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
170
180
Right In: -2310.581+/-40.734 χ²/NDF: 21679.5/15
Left Out: -3837.158+/-28.123 χ²/NDF:62781.8/22
Right Out: 1382.178+/-39.342 χ²/NDF: 8578.9/18
Left In: 4563.674+/-29.217 χ²/NDF:17912.8/20
+ sign -3344.379+/-23.143 χ²/NDF: 85412.4/38
All: -1.323+/-16.474 χ²/NDF: 158418.2/78
- sign 3432.728+/-23.456 χ²/NDF: 30706.6/39

asym_bpm2i01WS_rms vs Slug



Right In: 102.694+/-0.029 χ^2/NDF: 825801.5/15

Left Out: 116.943+/-0.020 χ^2/NDF:1380061.6/22

Right Out: 101.063+/-0.028 χ^2/NDF: 930458.1/18

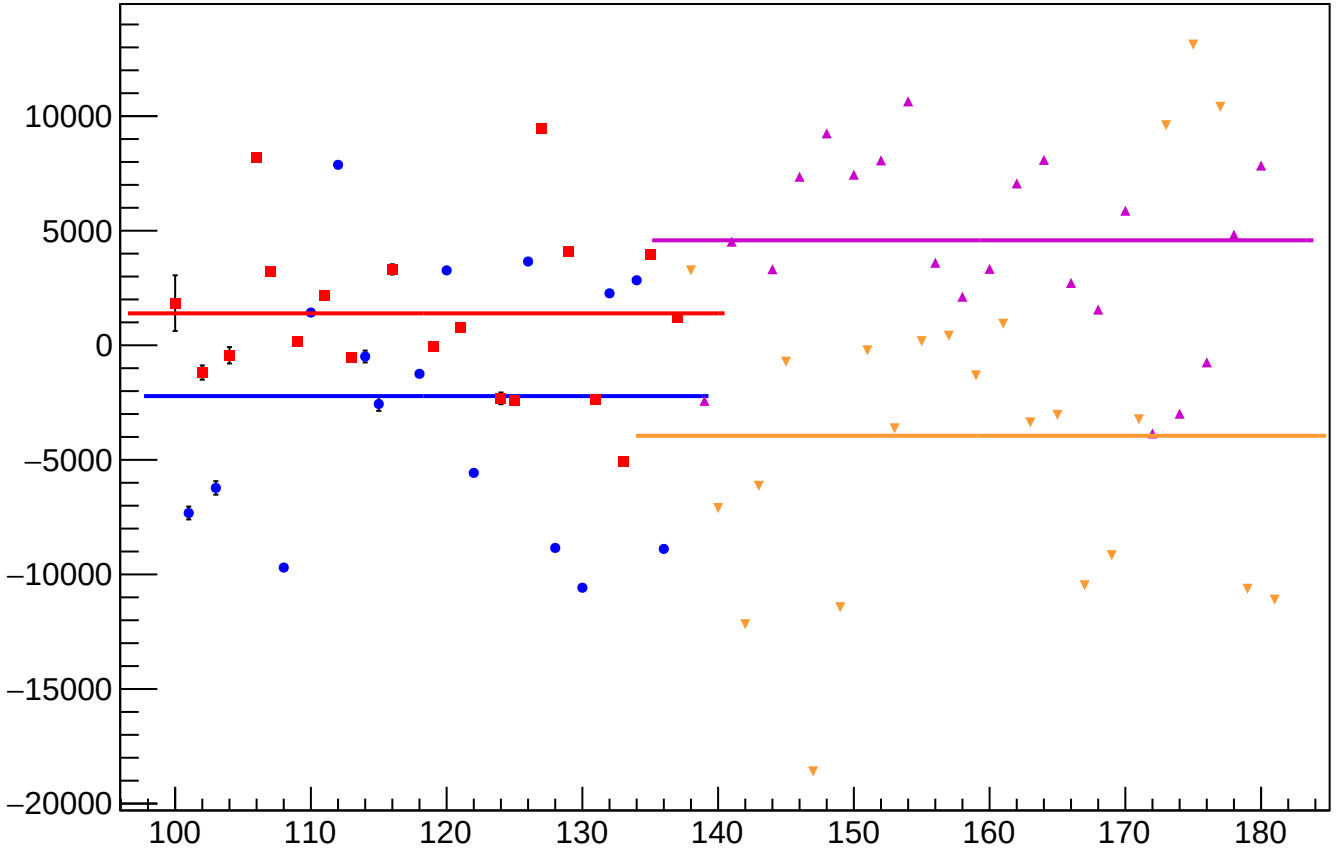
Left In: 117.942+/-0.021 χ^2/NDF:1267576.4/20

+ sign 112.343+/-0.016 χ^2/NDF: 2371587.2/38

All: 112.145+/-0.012 χ^2/NDF: 4807181.3/78

- sign 111.942+/-0.017 χ^2/NDF: 2435297.7/39

asym_bpm2i02WS_mean vs Slug



Right In: -2218.049+/-39.039 χ^2/NDF: 23040.7/15

Left Out: -3948.738+/-27.539 χ^2/NDF:66966.7/22

Right Out: 1393.557+/-37.580 χ^2/NDF: 9152.1/18

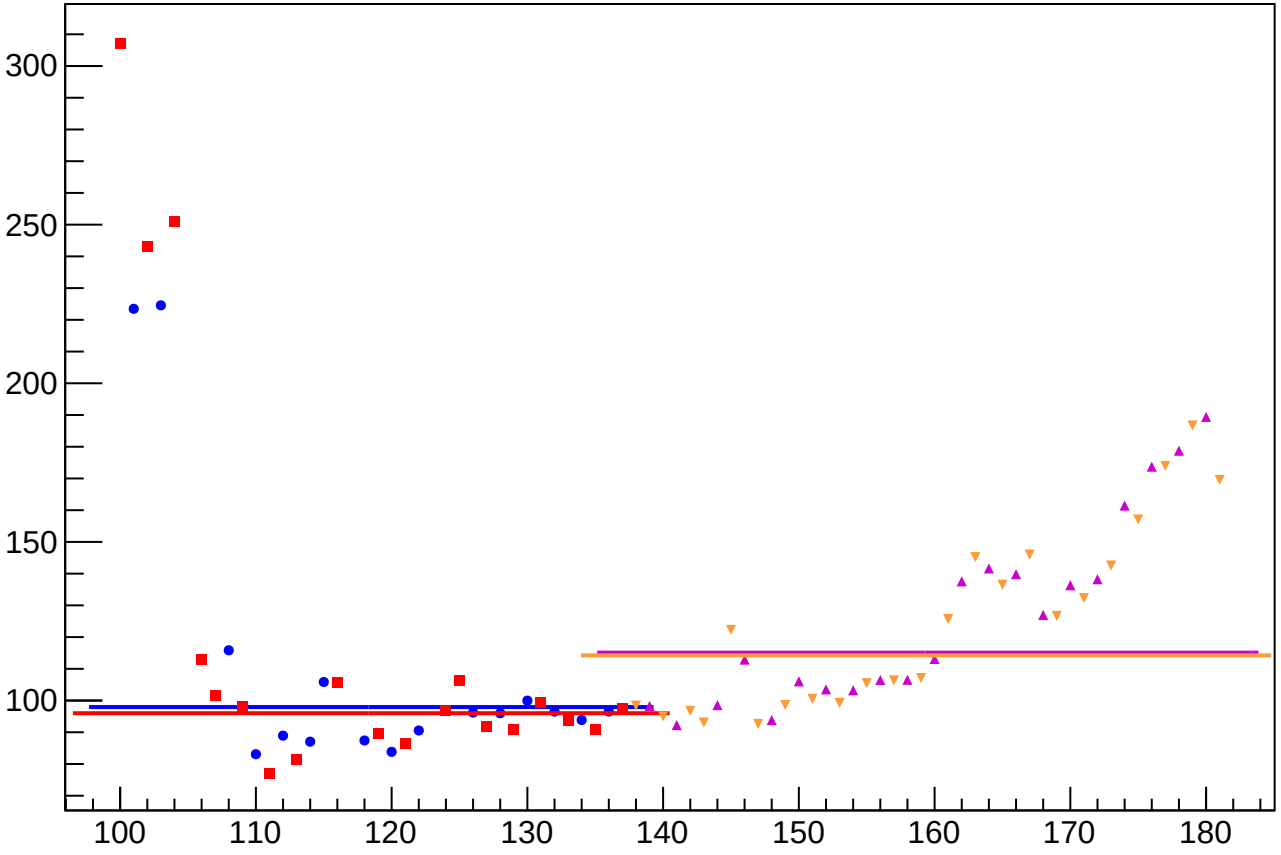
Left In: 4580.618+/-28.582 χ^2/NDF:18929.4/20

\+ sign -3373.665+/-22.503 χ^2/NDF: 91319.7/38

All: -17.397+/-15.999 χ^2/NDF: 168935.5/78

\- sign 3412.668+/-22.749 χ^2/NDF: 32638.2/39

asym_bpm2i02WS_rms vs Slug



Right In: 97.944+/-0.028 χ^2/NDF: 868148.4/15

Left Out: 114.234+/-0.019 χ^2/NDF:1477088.0/22

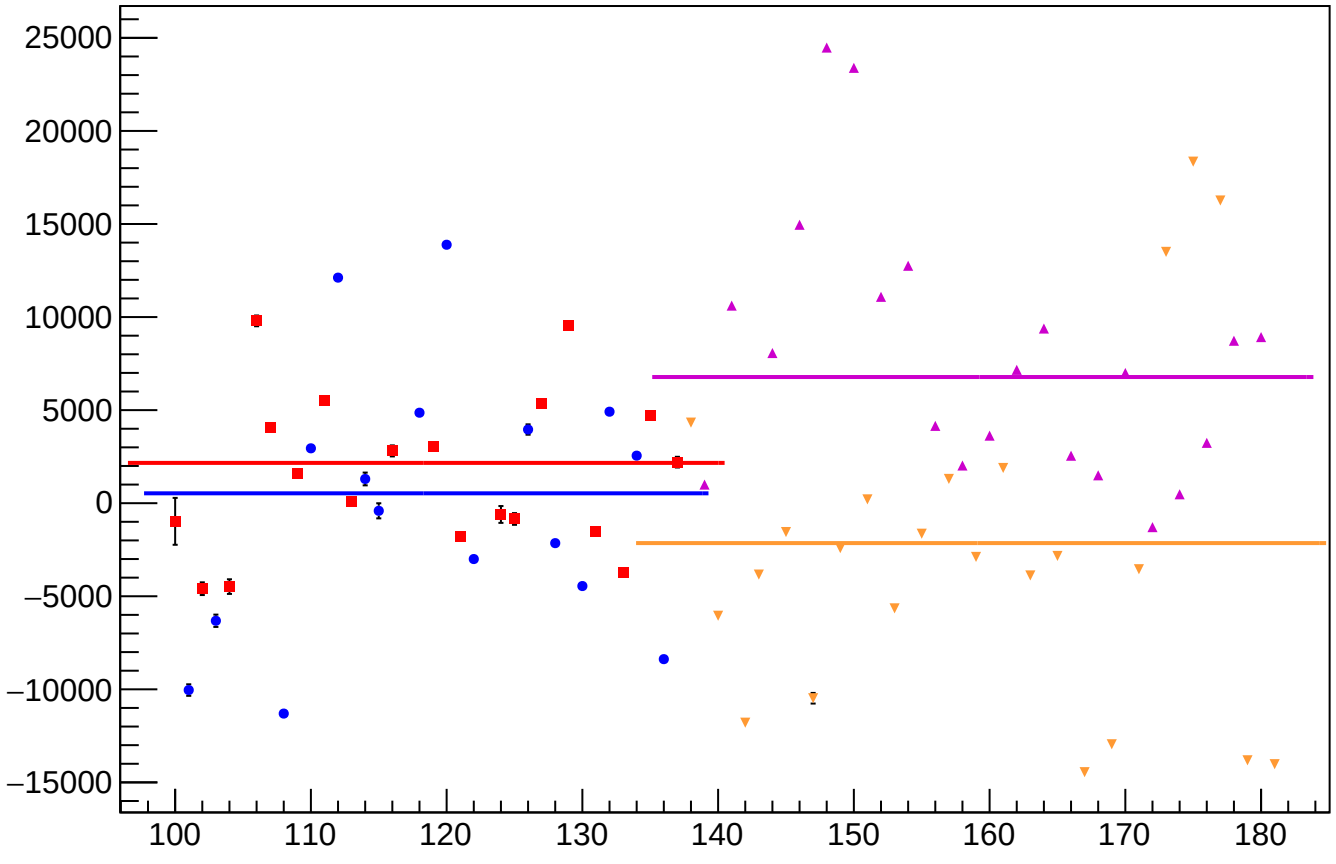
Right Out: 96.005+/-0.027 χ^2/NDF: 1012287.0/18

Left In: 115.101+/-0.020 χ^2/NDF:1348037.8/20

+ sign 108.821+/-0.016 χ^2/NDF: 2577785.6/38

All: 108.466+/-0.011 χ^2/NDF: 5266286.0/78

- sign 108.103+/-0.016 χ^2/NDF: 2687491.4/39



Right In: 530.568+/-54.855 χ^2/NDF: 18587.6/15

Left Out: -2143.335+/-38.280 χ^2/NDF:43819.2/22

Right Out: 2164.994+/-53.458 χ^2/NDF: 4967.1/18

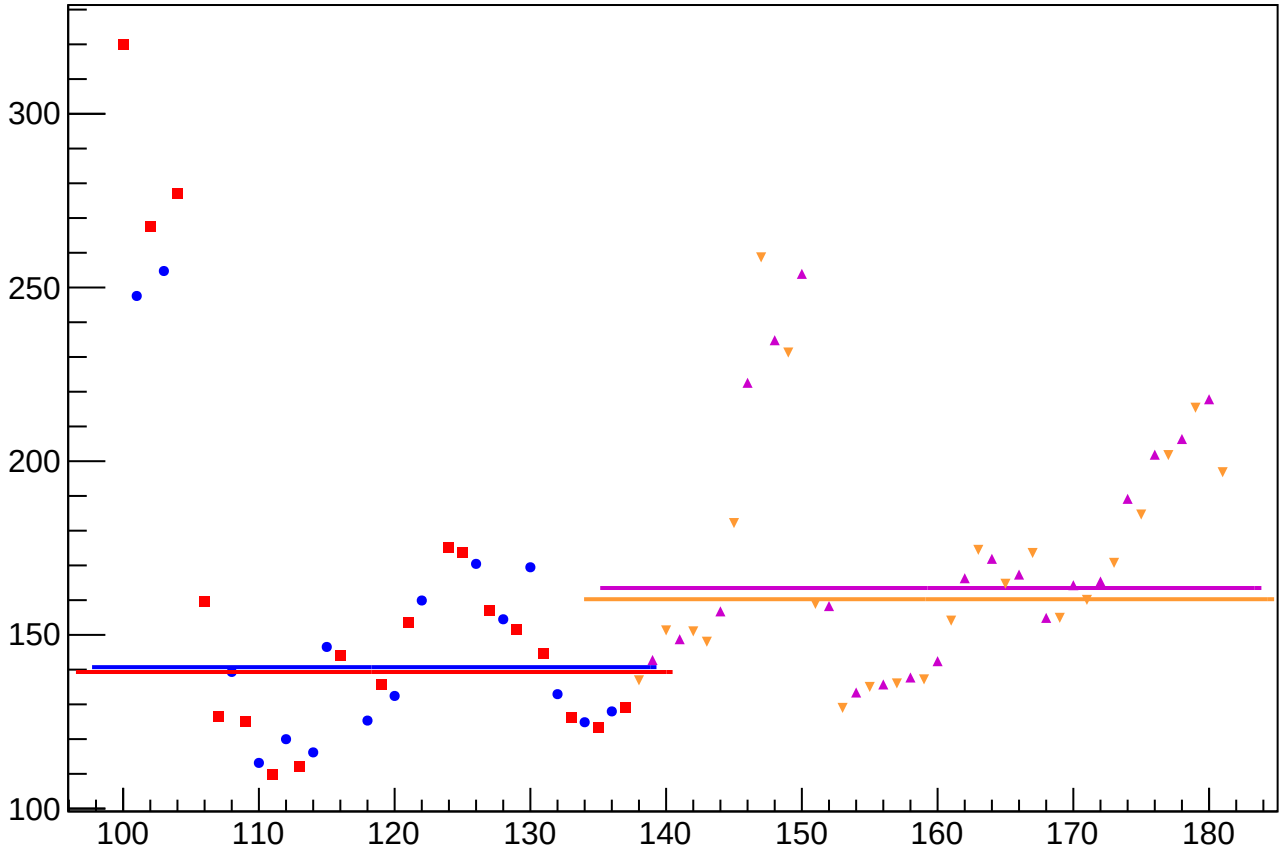
Left In: 6778.869+/-40.354 χ^2/NDF:20342.4/20

+ sign -1267.621+/-31.392 χ^2/NDF: 64004.7/38

All: 1836.580+/-22.480 χ^2/NDF: 114130.2/78

- sign 5104.109+/-32.208 χ^2/NDF: 30054.8/39

asym_bpm0i01WS_rms vs Slug



Right In: 140.715+/-0.039 χ^2/NDF: 675618.7/15

Left Out: 160.272+/-0.027 χ^2/NDF:1027383.1/22

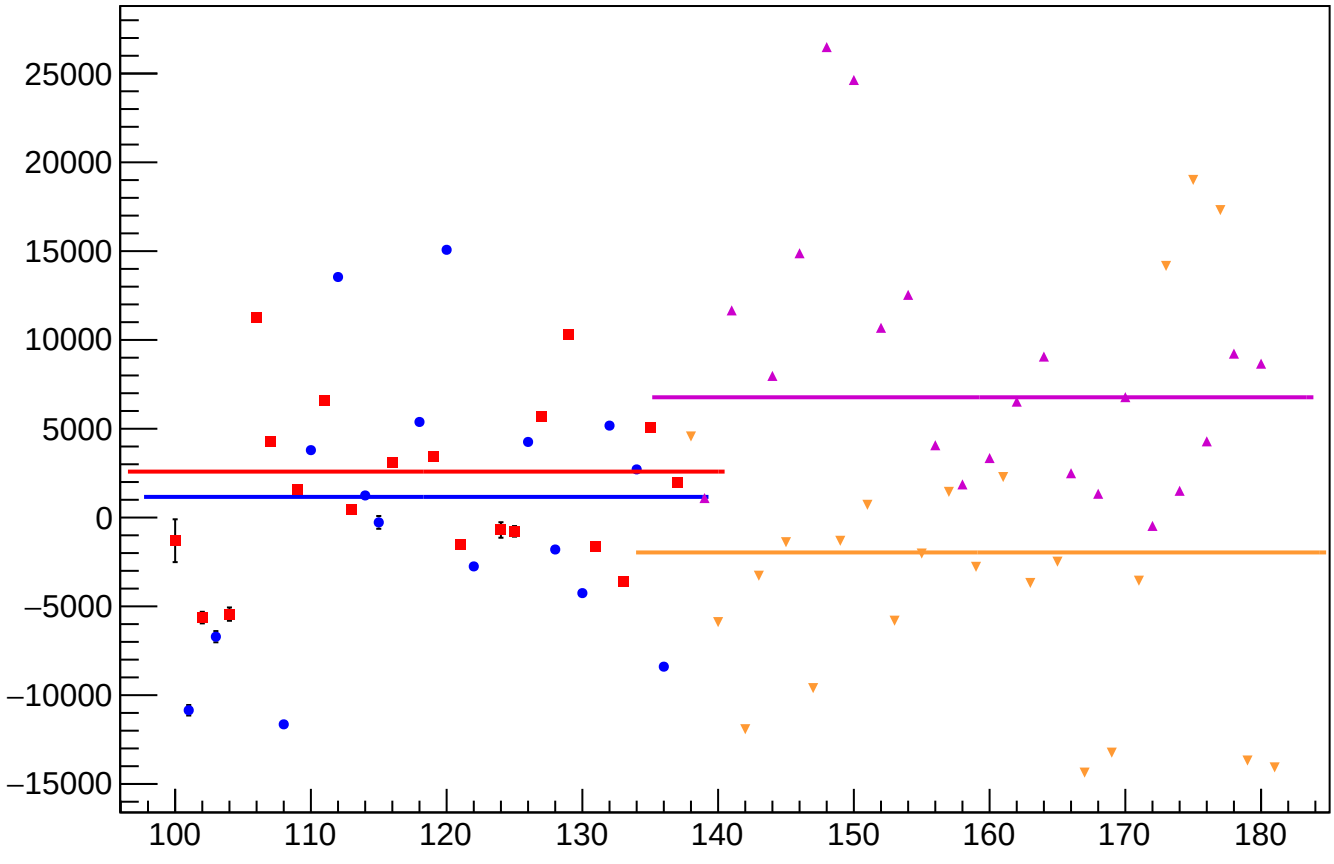
Right Out: 139.317+/-0.038 χ^2/NDF: 802317.0/18

Left In: 163.497+/-0.029 χ^2/NDF:1077609.3/20

+ sign 153.867+/-0.022 χ^2/NDF: 1873953.3/38

All: 154.283+/-0.016 χ^2/NDF: 4015254.1/78

- sign 154.720+/-0.023 χ^2/NDF: 2140581.0/39



Right In: 1162.980+/-45.930 χ^2/NDF: 30754.3/15

Left Out: -1964.724+/-34.200 χ^2/NDF:54092.3/22

Right Out: 2586.755+/-44.256 χ^2/NDF: 8099.7/18

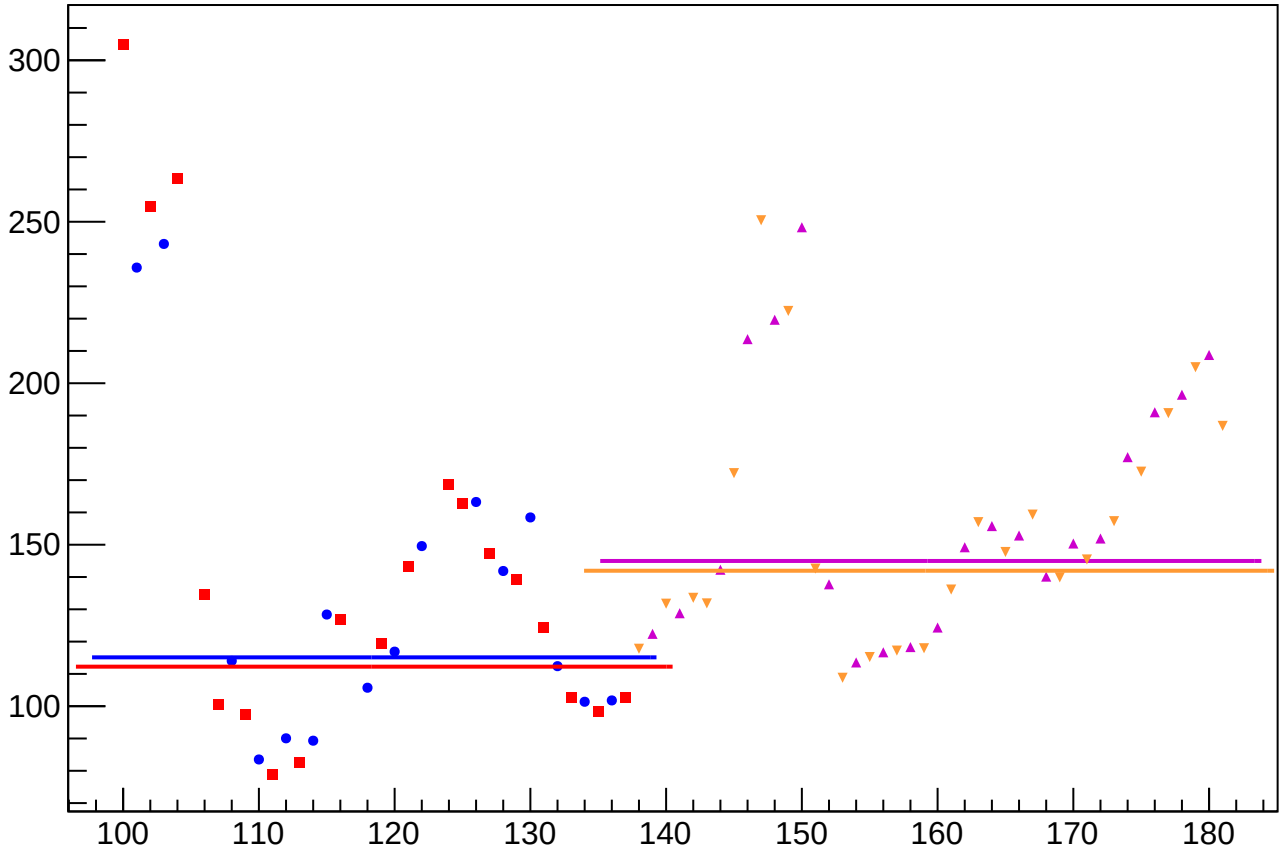
Left In: 6771.674+/-36.140 χ^2/NDF:25404.7/20

+ sign -849.112+/-27.431 χ^2/NDF: 87829.8/38

All: 2063.957+/-19.592 χ^2/NDF: 149720.3/78

- sign 5097.458+/-27.992 χ^2/NDF: 38869.0/39

asym_bpm0i01aWS_rms vs Slug



Right In: 115.125+/-0.032 χ^2/NDF: 1112987.2/15

Left Out: 141.942+/-0.024 χ^2/NDF:1502957.8/22

Right Out: 112.241+/-0.031 χ^2/NDF: 1328156.6/18

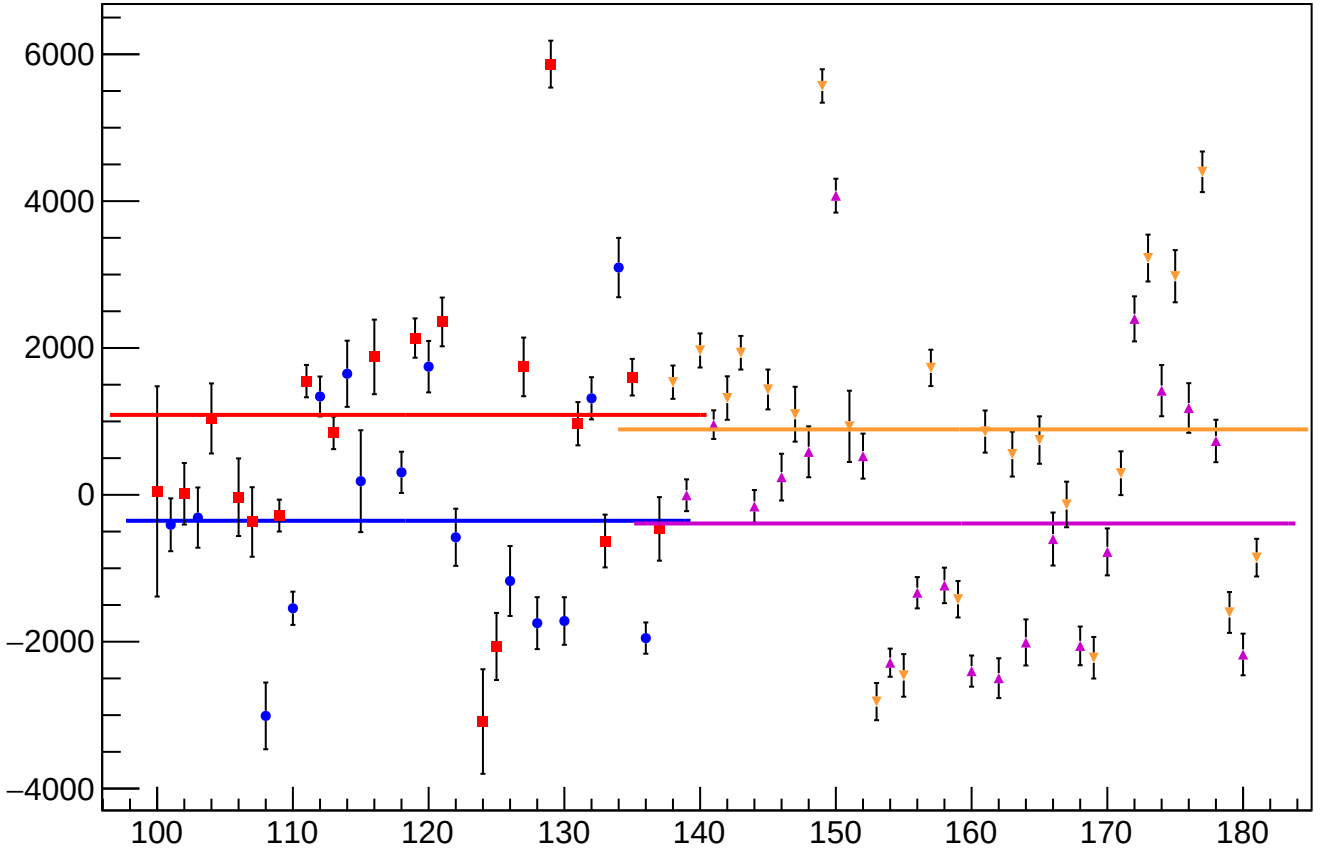
Left In: 144.969+/-0.026 χ^2/NDF:1547551.6/20

+ sign 132.377+/-0.019 χ^2/NDF: 3054554.5/38

All: 132.132+/-0.014 χ^2/NDF: 6586752.9/78

- sign 131.876+/-0.020 χ^2/NDF: 3531870.9/39

asym_bpm0l01WS_mean vs Slug



Right In: -353.129+/-82.136 χ^2/NDF: 361.8/15

Left Out: 891.141+/-57.915 χ^2/NDF:1436.6/22

Right Out: 1088.752+/-76.444 χ^2/NDF: 447.2/18

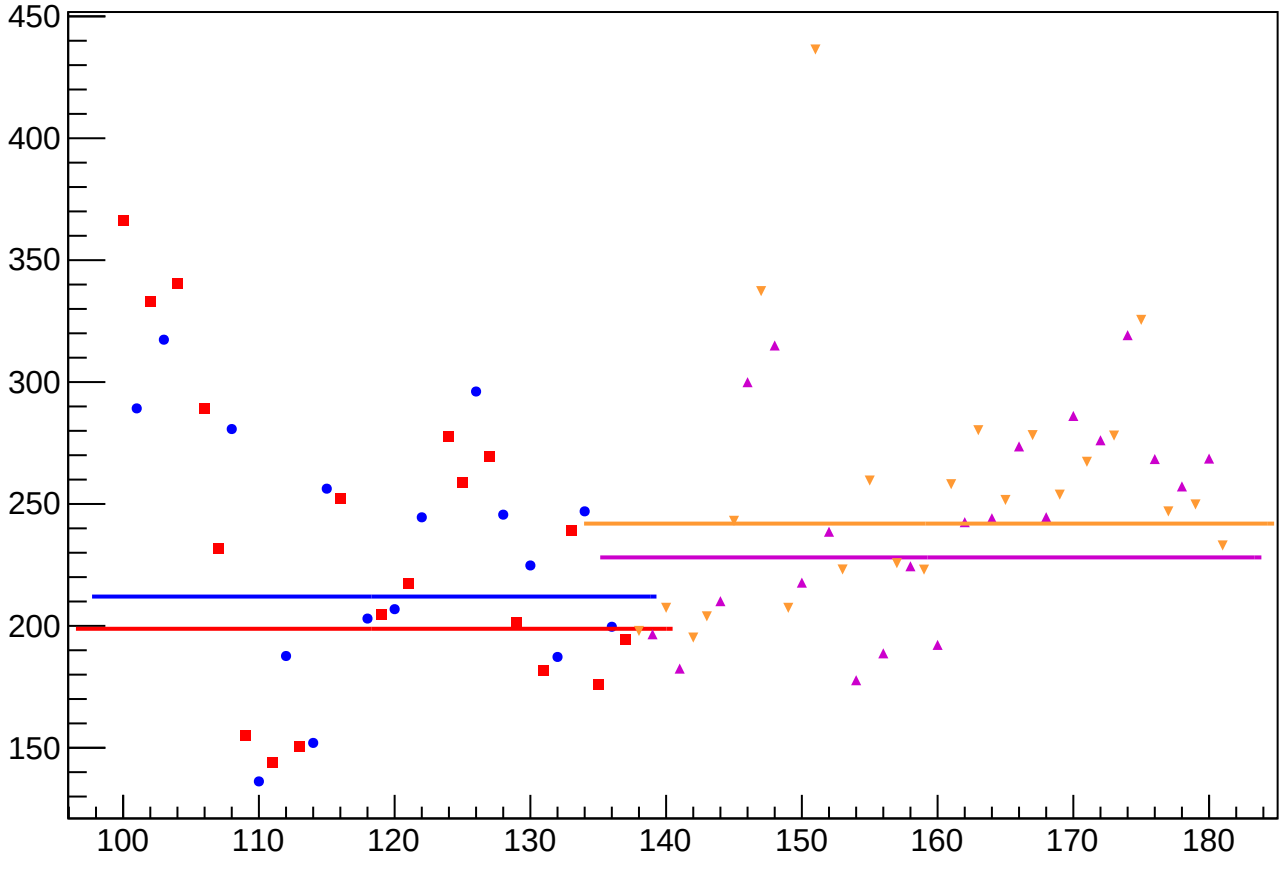
Left In: -390.184+/-56.641 χ^2/NDF:981.4/20

\+ sign 477.945+/-47.332 χ^2/NDF: 1951.7/38

All: 299.216+/-32.805 χ^2/NDF: 3649.3/78

\- sign 133.984+/-45.510 χ^2/NDF: 1670.2/39

asym_bpm0l01WS_rms vs Slug



Right In: 212.027+/-0.058 χ^2/NDF: 690358.0/15

Left Out: 241.951+/-0.041 χ^2/NDF:985947.0/22

Right Out: 198.809+/-0.054 χ^2/NDF: 974928.4/18

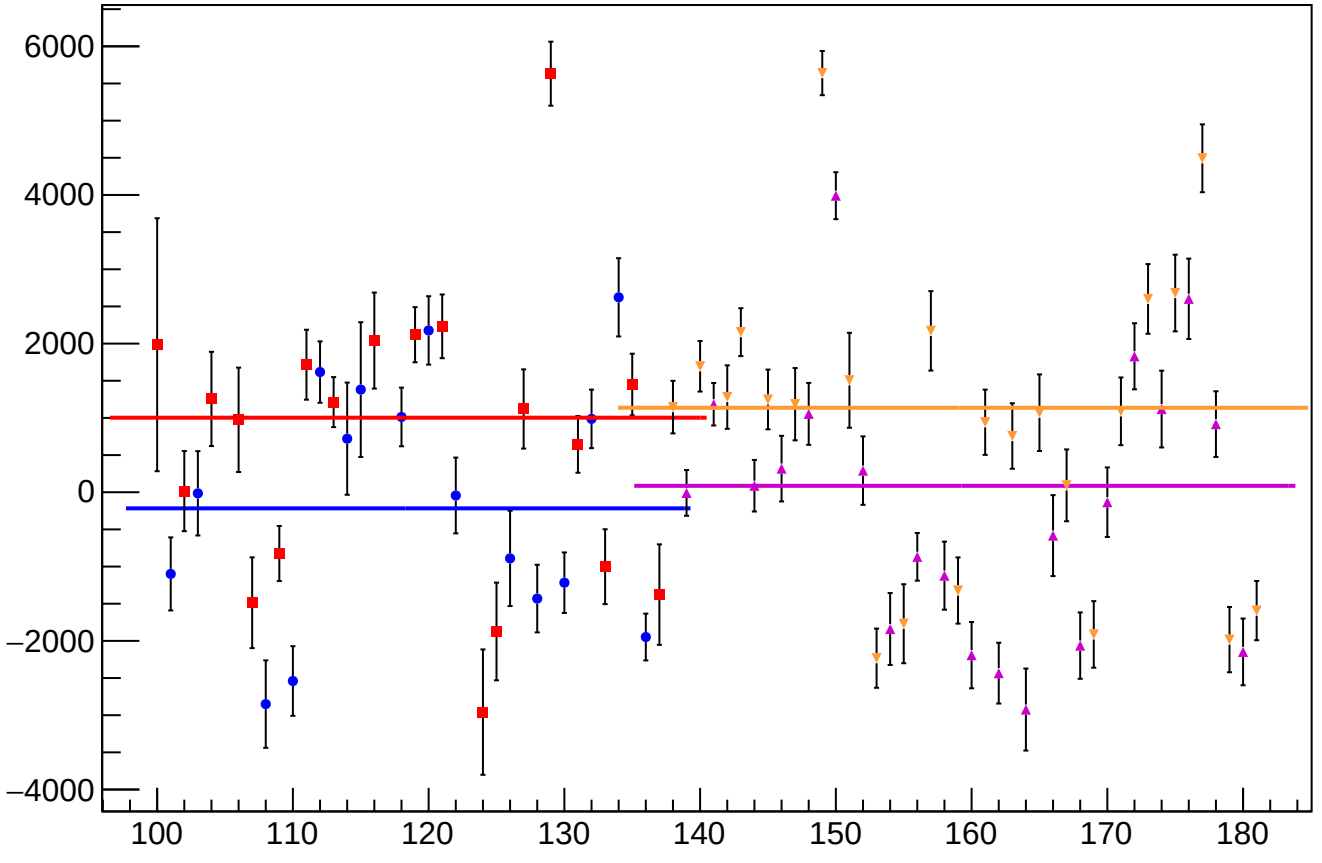
Left In: 228.085+/-0.040 χ^2/NDF:1054981.9/20

+ sign 232.014+/-0.033 χ^2/NDF: 1853611.6/38

All: 224.581+/-0.023 χ^2/NDF: 4167818.2/78

- sign 217.709+/-0.032 χ^2/NDF: 2219280.1/39

asym_bpm0l02WS_mean vs Slug



Right In: -216.948+/-117.887 χ^2/NDF: 192.2/15

Left Out: 1136.759+/-88.699 χ^2/NDF:600.4/22

Right Out: 1003.049+/-113.111 χ^2/NDF: 254.3/18

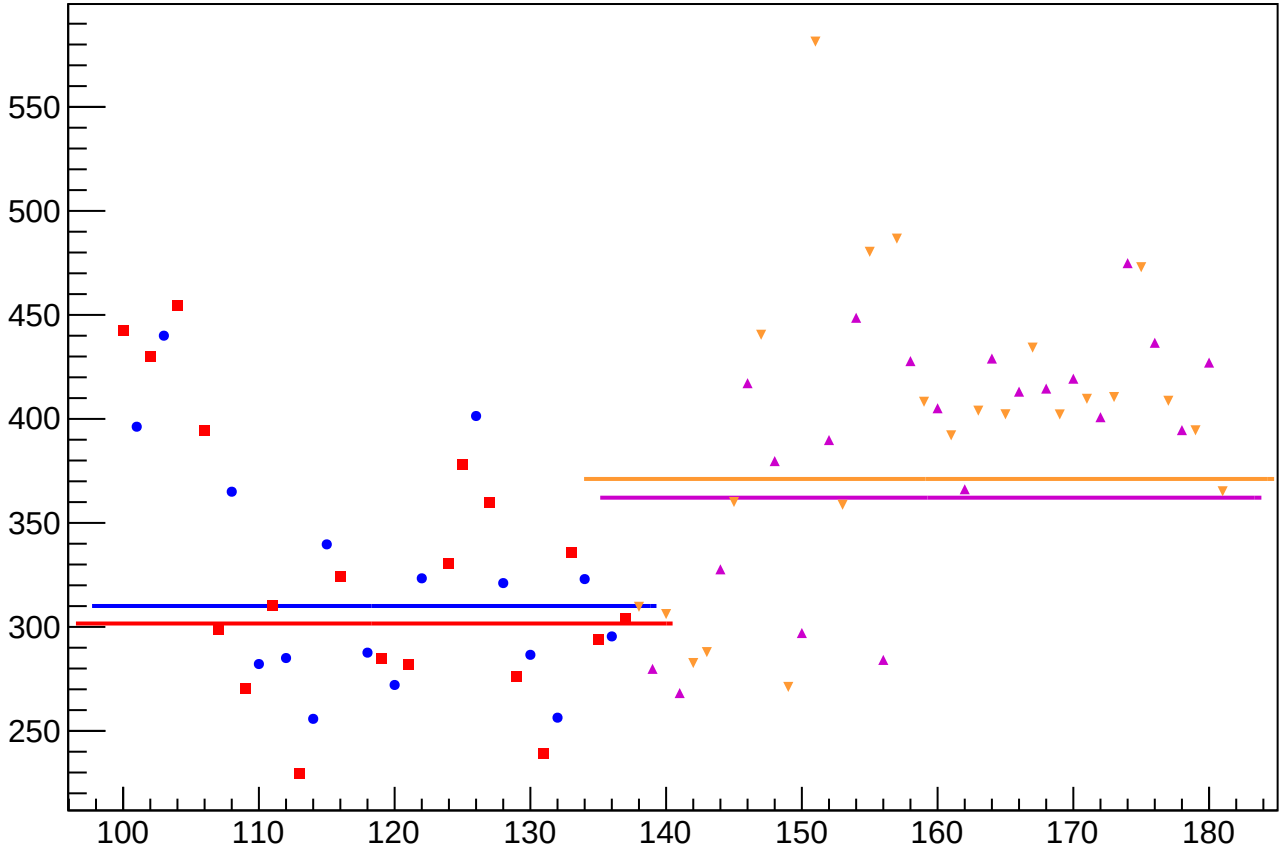
Left In: 86.371+/-89.417 χ^2/NDF:393.3/20

+ sign 647.422+/-70.877 χ^2/NDF: 876.8/38

All: 542.089+/-49.857 χ^2/NDF: 1569.2/78

- sign 438.918+/-70.146 χ^2/NDF: 688.0/39

asym_bpm0l02WS_rms vs Slug



Right In: 310.062+/-0.083 χ^2/NDF: 323283.5/15

Left Out: 371.133+/-0.063 χ^2/NDF:1224220.3/22

Right Out: 301.637+/-0.080 χ^2/NDF: 519888.9/18

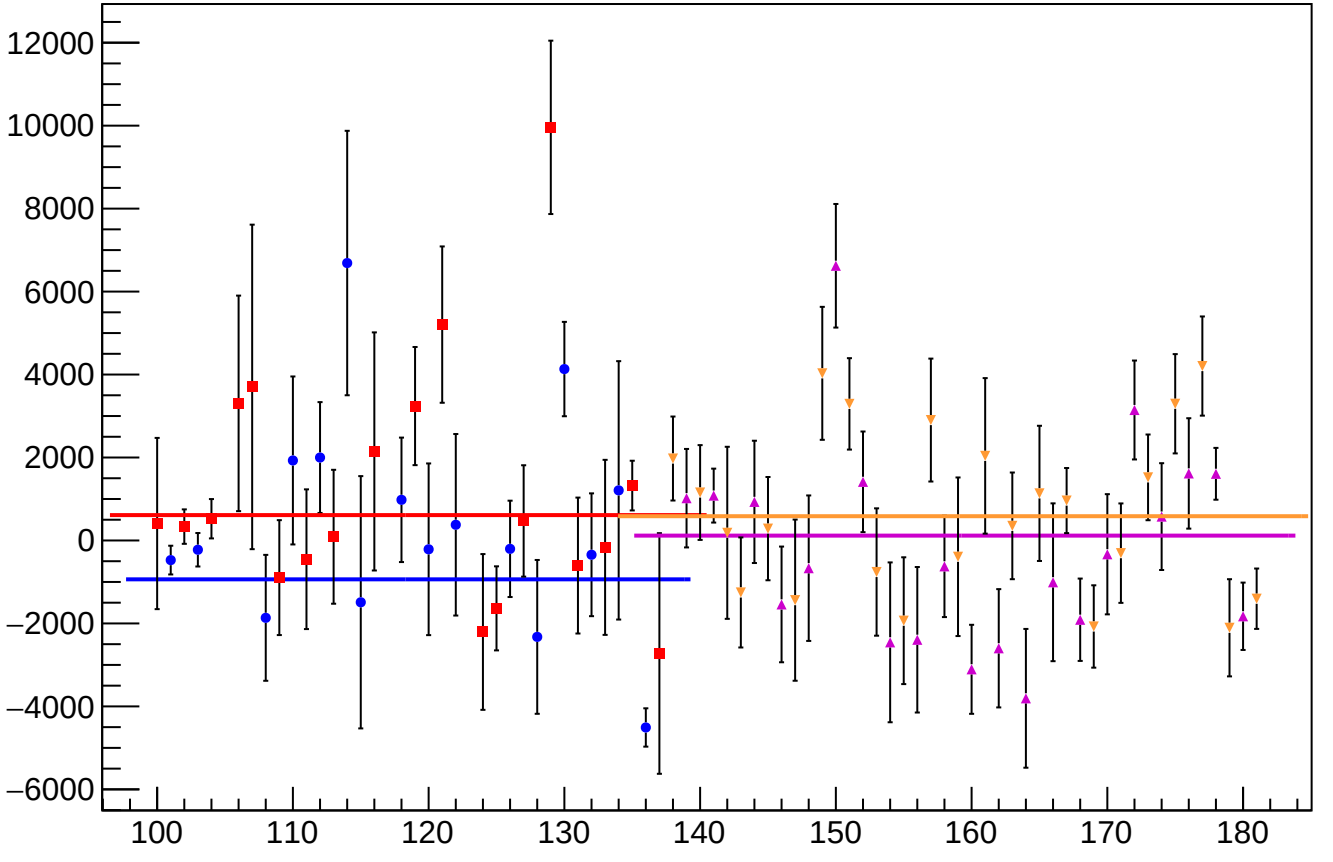
Left In: 362.130+/-0.063 χ^2/NDF:1053196.6/20

+ sign 349.057+/-0.050 χ^2/NDF: 1890226.9/38

All: 343.908+/-0.035 χ^2/NDF: 3836249.5/78

- sign 338.865+/-0.050 χ^2/NDF: 1925129.8/39

asym_bpm0l03WS_mean vs Slug



Right In: -936.949+/-204.717 χ^2/NDF: 101.2/15

Left Out: 584.940+/-251.566 χ^2/NDF:58.7/22

Right Out: 611.668+/-233.144 χ^2/NDF: 44.1/18

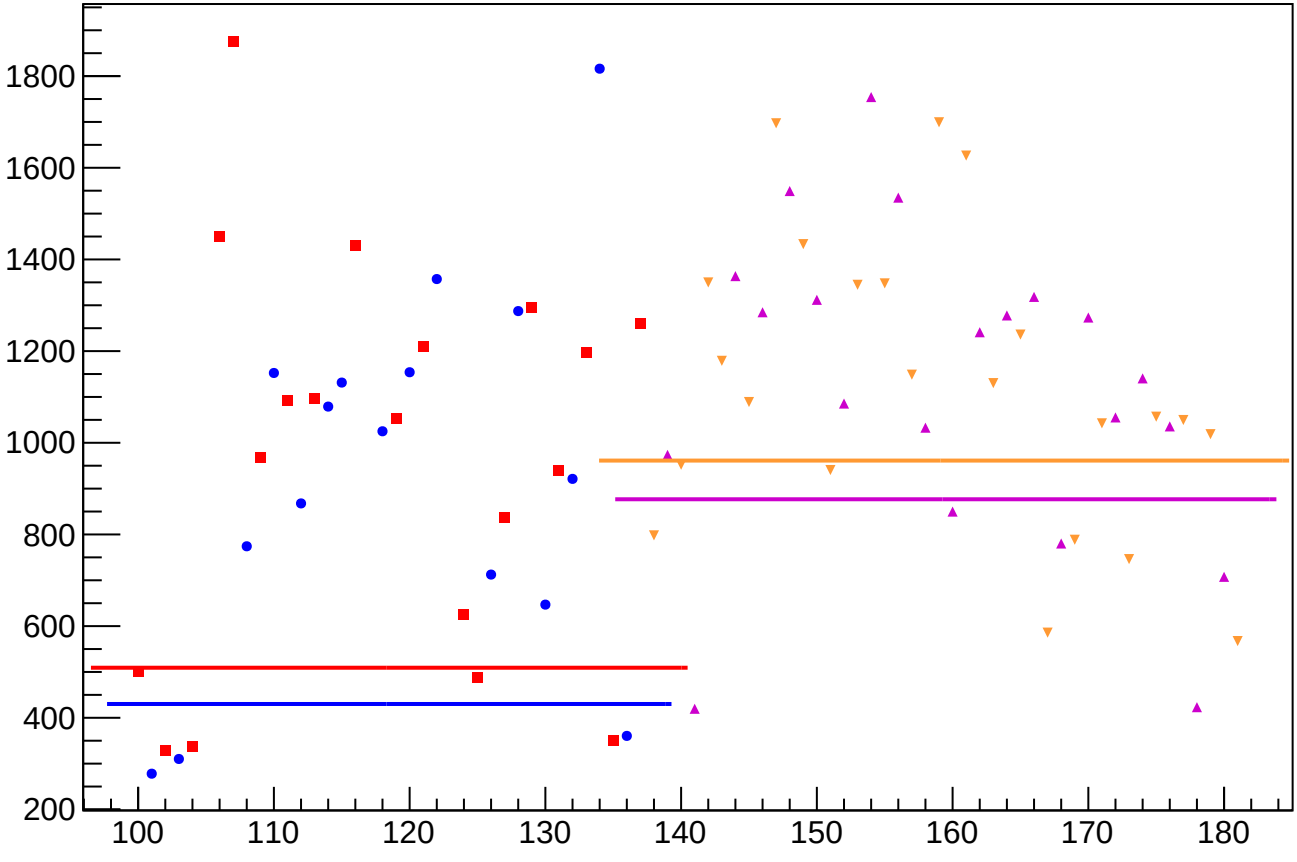
Left In: 117.116+/-248.406 χ^2/NDF:71.2/20

+ sign -330.635+/-158.785 χ^2/NDF: 181.9/38

All: 0.499+/-116.039 χ^2/NDF: 308.6/78

- sign 380.050+/-169.997 χ^2/NDF: 117.4/39

asym_bpm0l03WS_rms vs Slug



Right In: 430.110+/-0.145 χ^2/NDF: 3521861.8/15

Left Out: 961.186+/-0.178 χ^2/NDF:2813569.1/22

Right Out: 509.236+/-0.165 χ^2/NDF: 3673425.8/18

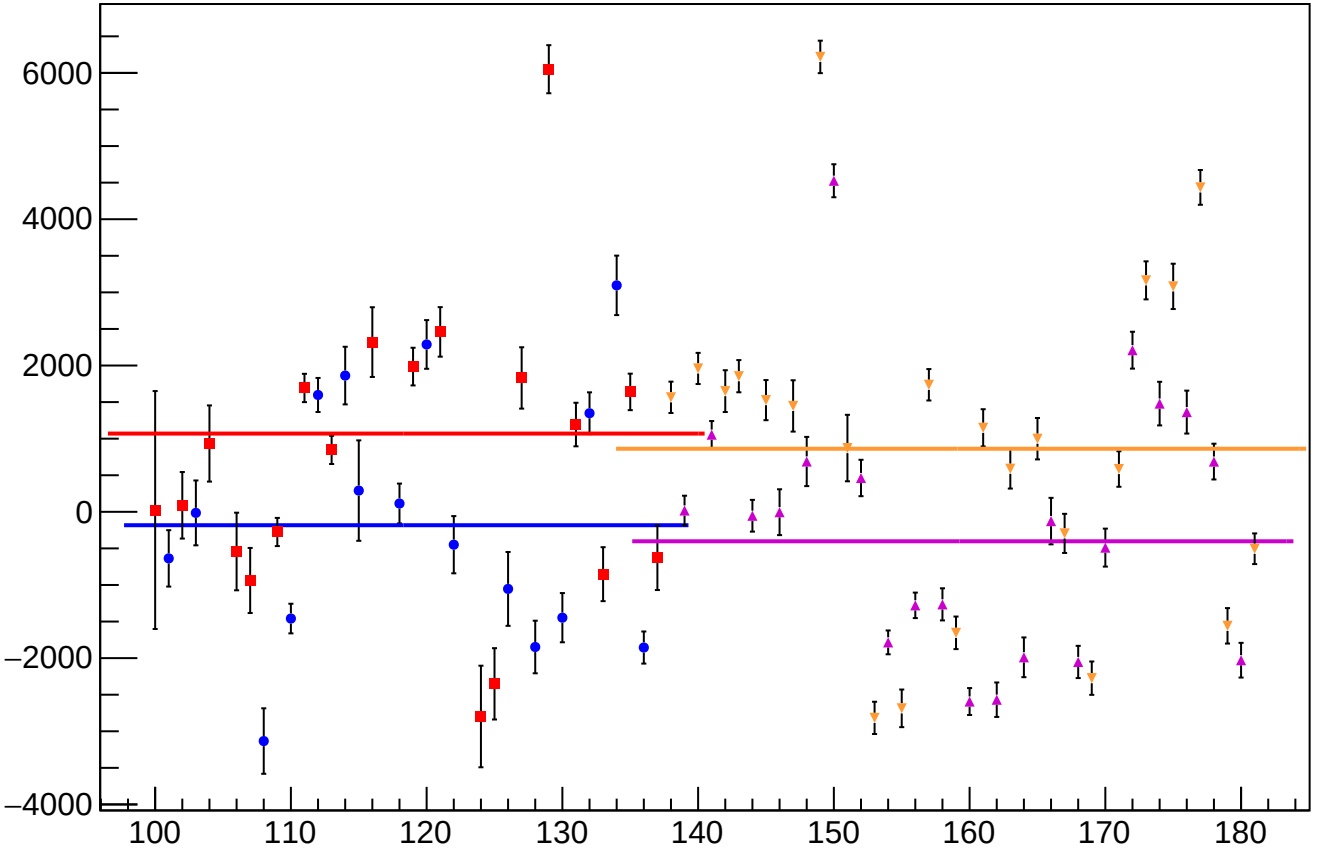
Left In: 876.763+/-0.176 χ^2/NDF:4467036.1/20

+ sign 641.689+/-0.112 χ^2/NDF: 11697733.1/38

All: 660.174+/-0.082 χ^2/NDF: 22224030.2/78

- sign 681.363+/-0.120 χ^2/NDF: 10468118.7/39

asym_bpm0l04WS_mean vs Slug



Right In: -183.020+/-79.863 χ^2/NDF: 417.7/15

Left Out: 862.596+/-51.618 χ^2/NDF:1979.6/22

Right Out: 1069.729+/-73.060 χ^2/NDF: 492.3/18

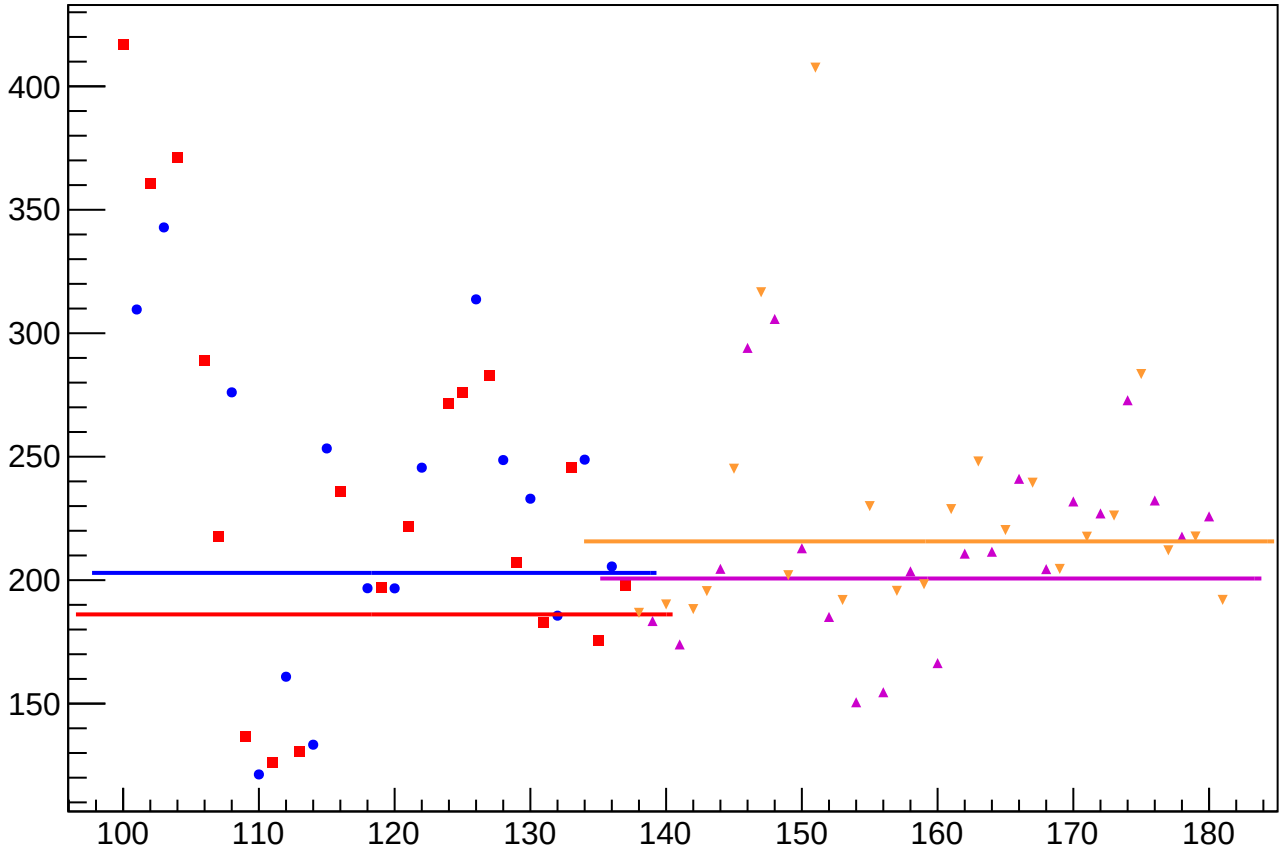
Left In: -402.695+/-49.979 χ^2/NDF:1250.0/20

+ sign 554.500+/-43.351 χ^2/NDF: 2518.2/38

All: 298.489+/-29.884 χ^2/NDF: 4603.7/78

- sign 66.689+/-41.251 χ^2/NDF: 2019.0/39

asym_bpm0l04WS_rms vs Slug



Right In: 202.941+/-0.056 χ^2/NDF: 1071859.2/15

Left Out: 215.703+/-0.036 χ^2/NDF:892232.4/22

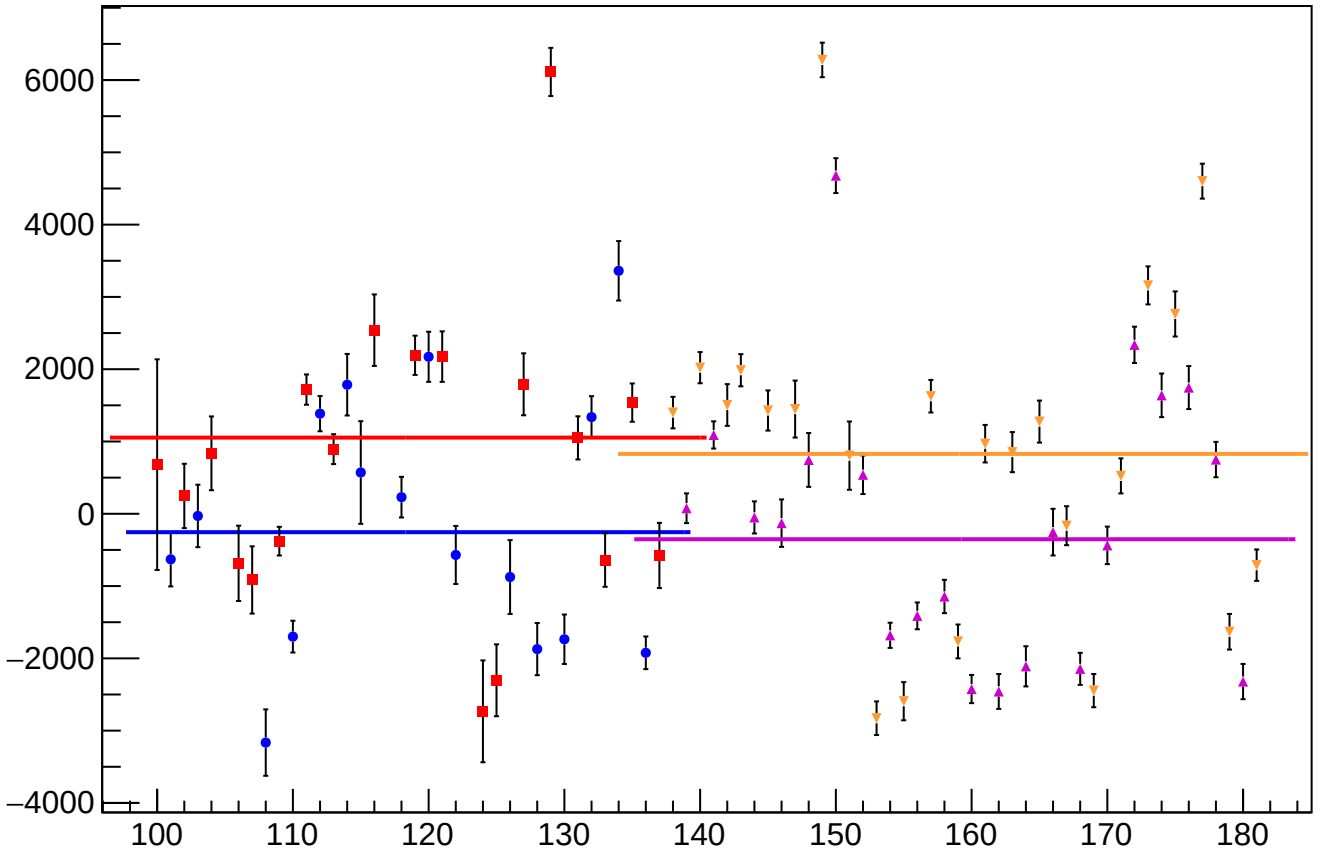
Right Out: 186.129+/-0.052 χ^2/NDF: 1481664.4/18

Left In: 200.670+/-0.035 χ^2/NDF:1104973.8/20

+ sign 211.943+/-0.031 χ^2/NDF: 2000115.1/38

All: 203.594+/-0.021 χ^2/NDF: 4782070.3/78

- sign 196.034+/-0.029 χ^2/NDF: 2640605.0/39



Right In: -254.470+/-82.490 χ^2/NDF: 409.3/15

Left Out: 828.392+/-53.022 χ^2/NDF:1879.4/22

Right Out: 1053.731+/-75.969 χ^2/NDF: 477.7/18

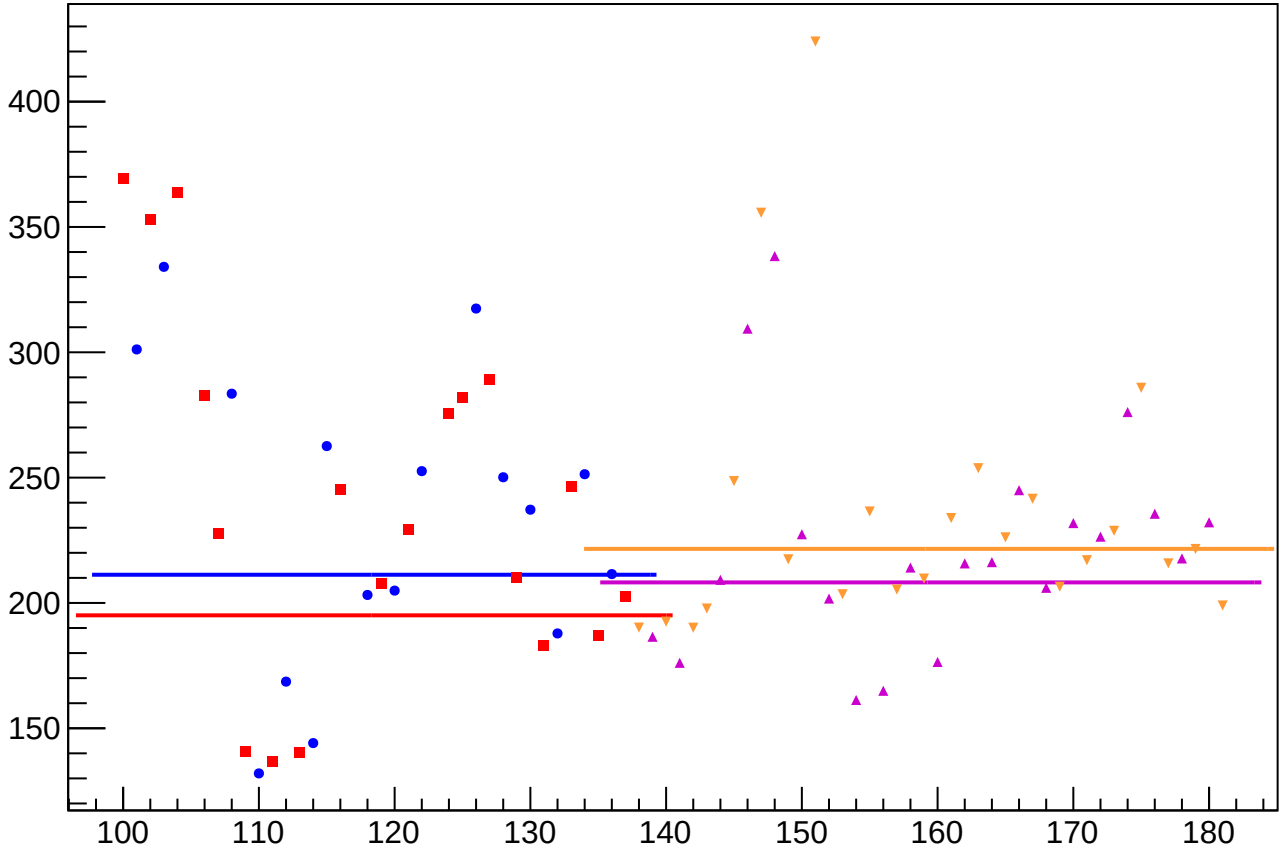
Left In: -352.256+/-51.739 χ^2/NDF:1211.7/20

+ sign 511.801+/-44.603 χ^2/NDF: 2410.6/38

All: 293.720+/-30.868 χ^2/NDF: 4379.9/78

- sign 93.252+/-42.764 χ^2/NDF: 1923.4/39

asym_bpm0l05WS_rms vs Slug



Right In: 211.254+/-0.058 χ^2/NDF: 884363.6/15

Left Out: 221.576+/-0.037 χ^2/NDF:937678.9/22

Right Out: 195.061+/-0.054 χ^2/NDF: 1284879.9/18

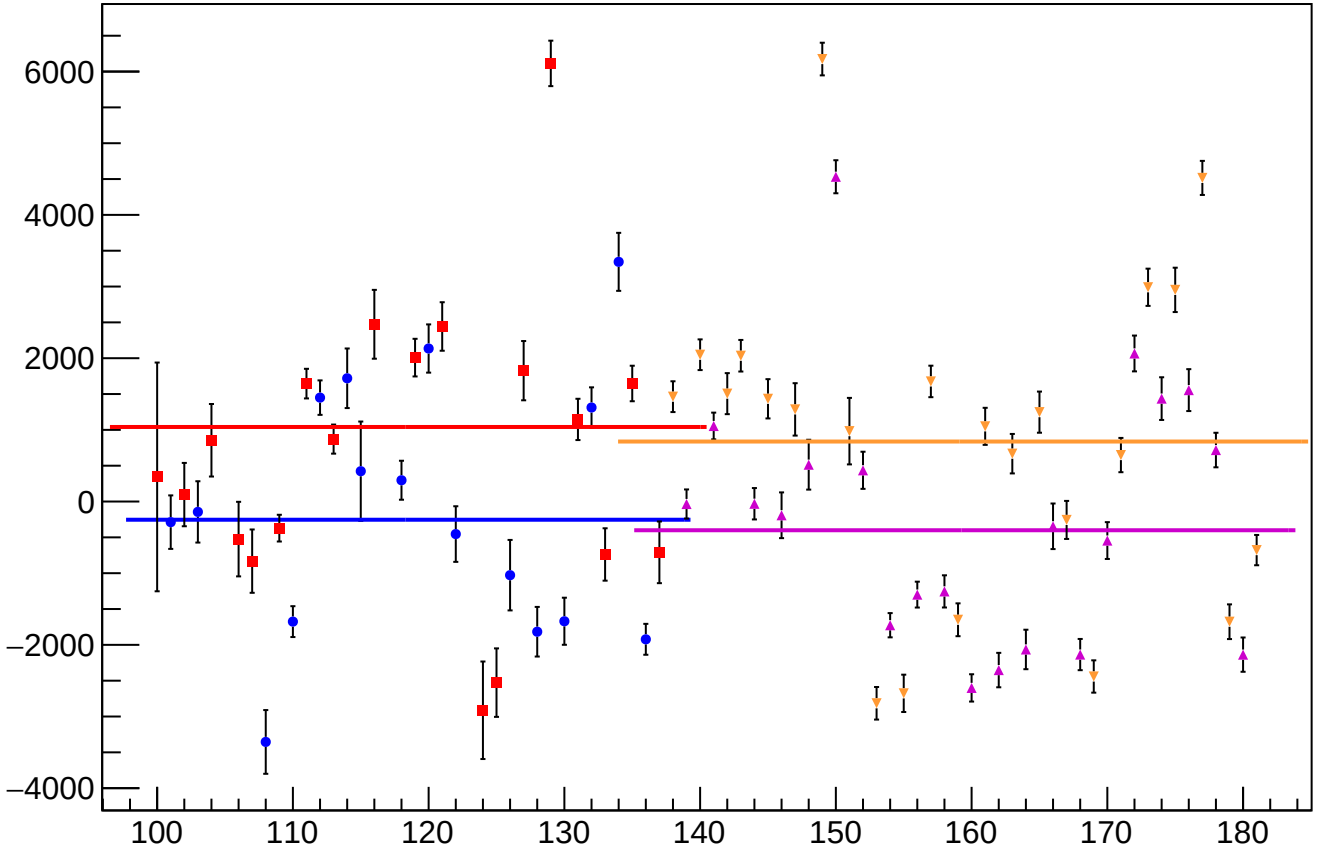
Left In: 208.194+/-0.037 χ^2/NDF:1033963.0/20

+ sign 218.558+/-0.032 χ^2/NDF: 1844206.1/38

All: 210.990+/-0.022 χ^2/NDF: 4314403.2/78

- sign 204.032+/-0.030 χ^2/NDF: 2359670.3/39

asym_bpm0l06WS_mean vs Slug



Right In: -254.044+/-80.222 χ^2/NDF: 432.1/15

Left Out: 837.276+/-52.075 χ^2/NDF:1948.9/22

Right Out: 1040.361+/-73.363 χ^2/NDF: 533.4/18

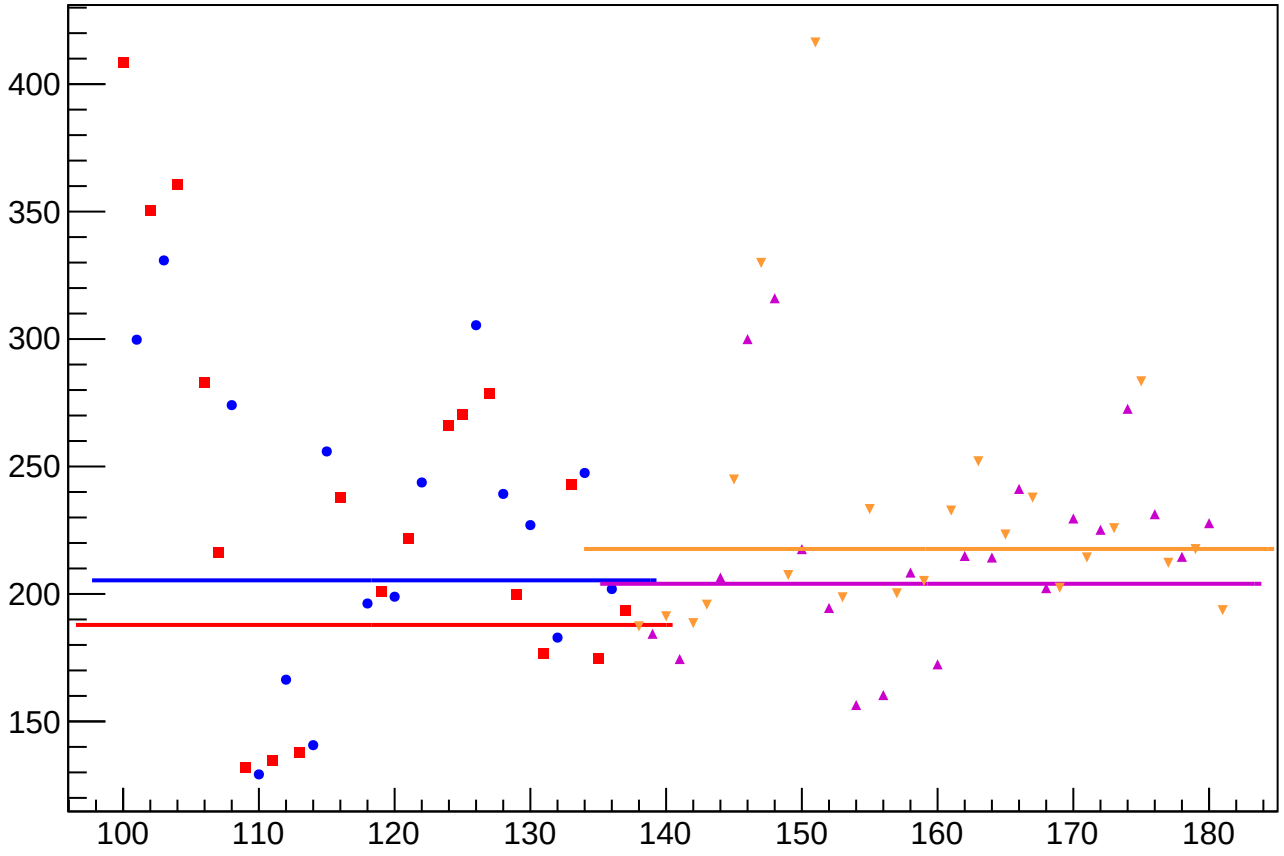
Left In: -400.761+/-50.709 χ^2/NDF:1197.0/20

+ sign 513.752+/-43.679 χ^2/NDF: 2511.2/38

All: 279.134+/-30.167 χ^2/NDF: 4557.9/78

- sign 65.153+/-41.714 χ^2/NDF: 1991.5/39

asym_bpm0l06WS_rms vs Slug



Right In: 205.341+/-0.057 χ^2/NDF: 877398.6/15

Left Out: 217.656+/-0.037 χ^2/NDF:908139.5/22

Right Out: 187.848+/-0.052 χ^2/NDF: 1337049.4/18

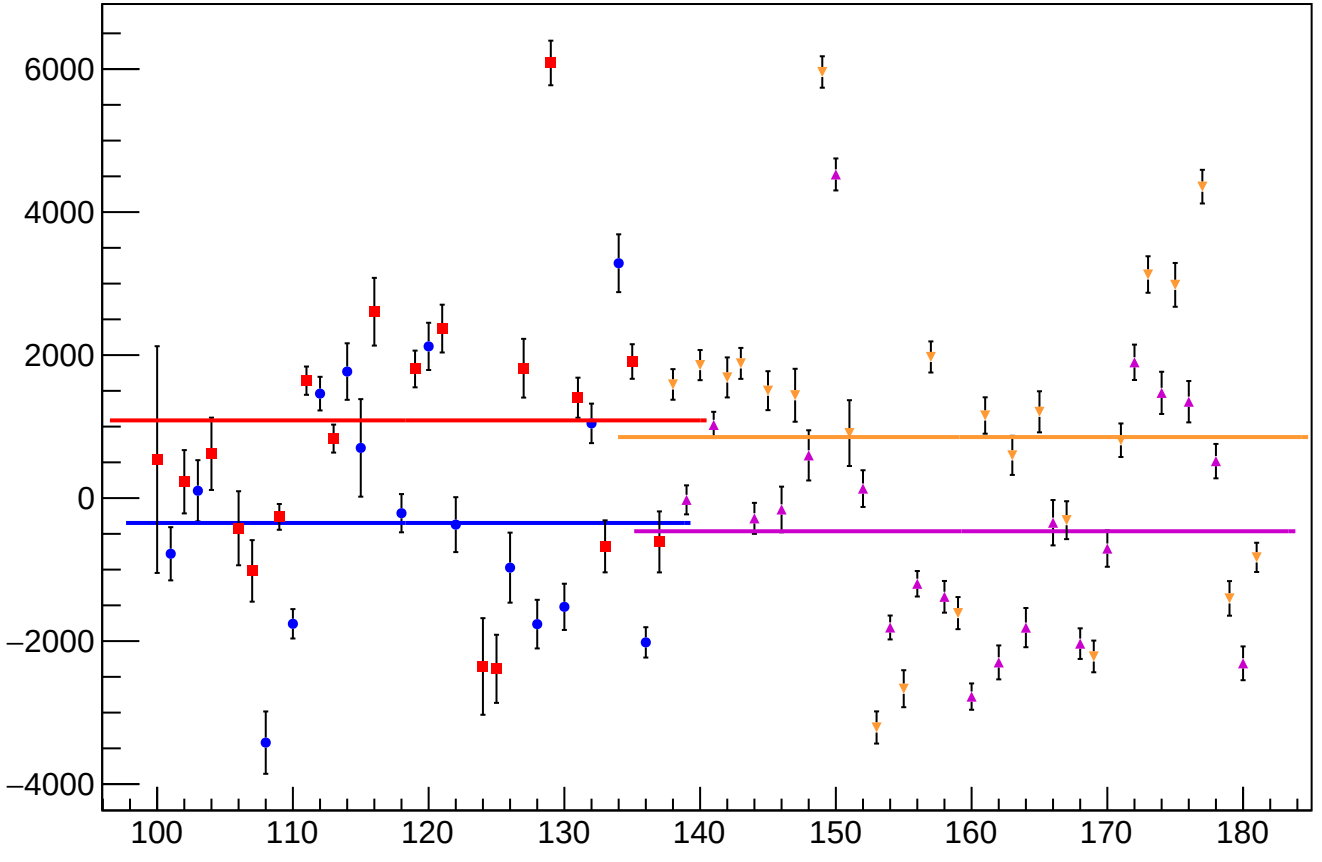
Left In: 203.995+/-0.036 χ^2/NDF:1013753.4/20

+ sign 214.006+/-0.031 χ^2/NDF: 1818697.6/38

All: 206.040+/-0.021 χ^2/NDF: 4362242.3/78

- sign 198.775+/-0.029 χ^2/NDF: 2416366.5/39

asym_bpm0l07WS_mean vs Slug



Right In: -347.666+/-78.567 χ^2/NDF: 445.8/15

Left Out: 853.548+/-51.369 χ^2/NDF:1989.2/22

Right Out: 1086.638+/-71.539 χ^2/NDF: 527.2/18

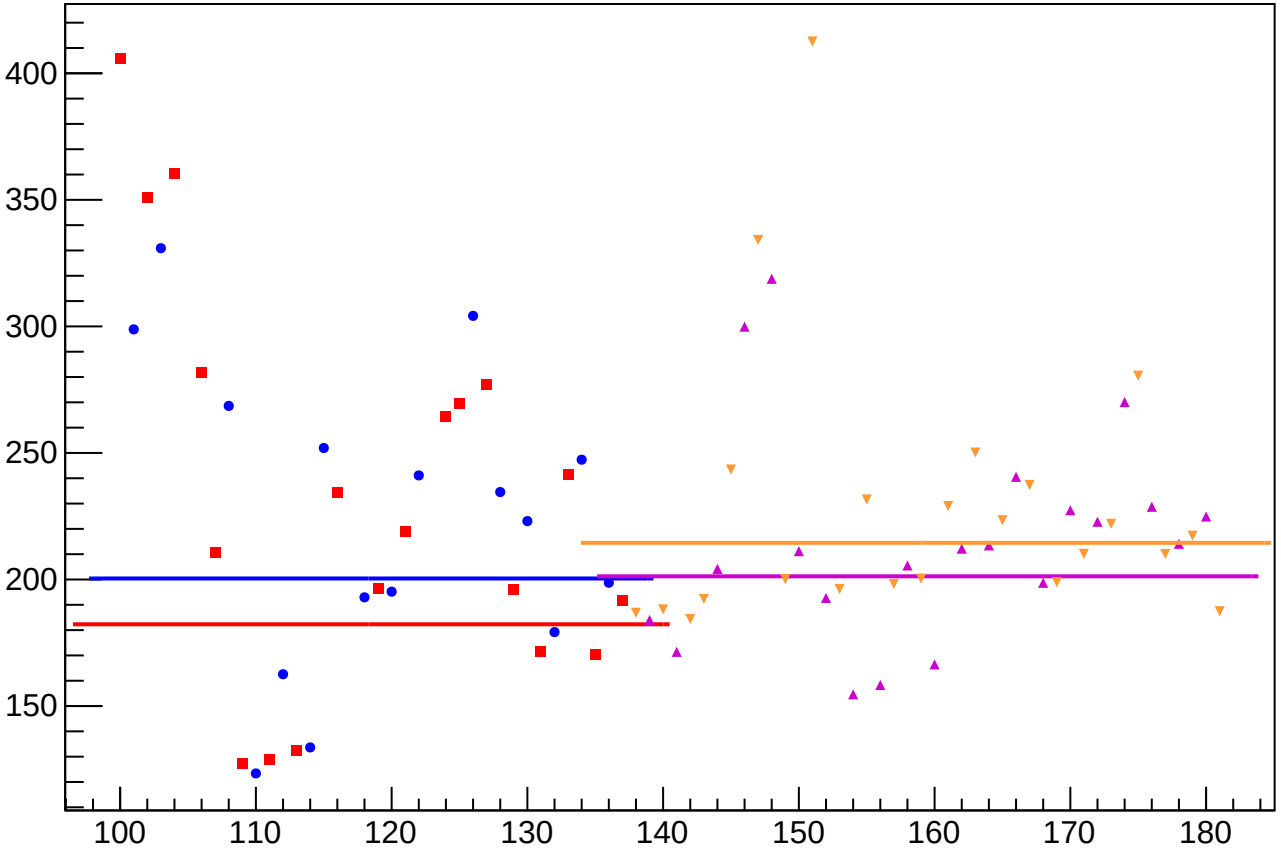
Left In: -463.627+/-50.074 χ^2/NDF:1230.7/20

+ sign 493.822+/-42.995 χ^2/NDF: 2598.7/38

All: 259.486+/-29.680 χ^2/NDF: 4728.6/78

- sign 46.150+/-41.023 χ^2/NDF: 2073.1/39

asym_bpm0l07WS_rms vs Slug



Right In: 200.399+/-0.056 χ^2/NDF: 959000.8/15

Left Out: 214.493+/-0.036 χ^2/NDF:958464.9/22

Right Out: 182.302+/-0.051 χ^2/NDF: 1447197.0/18

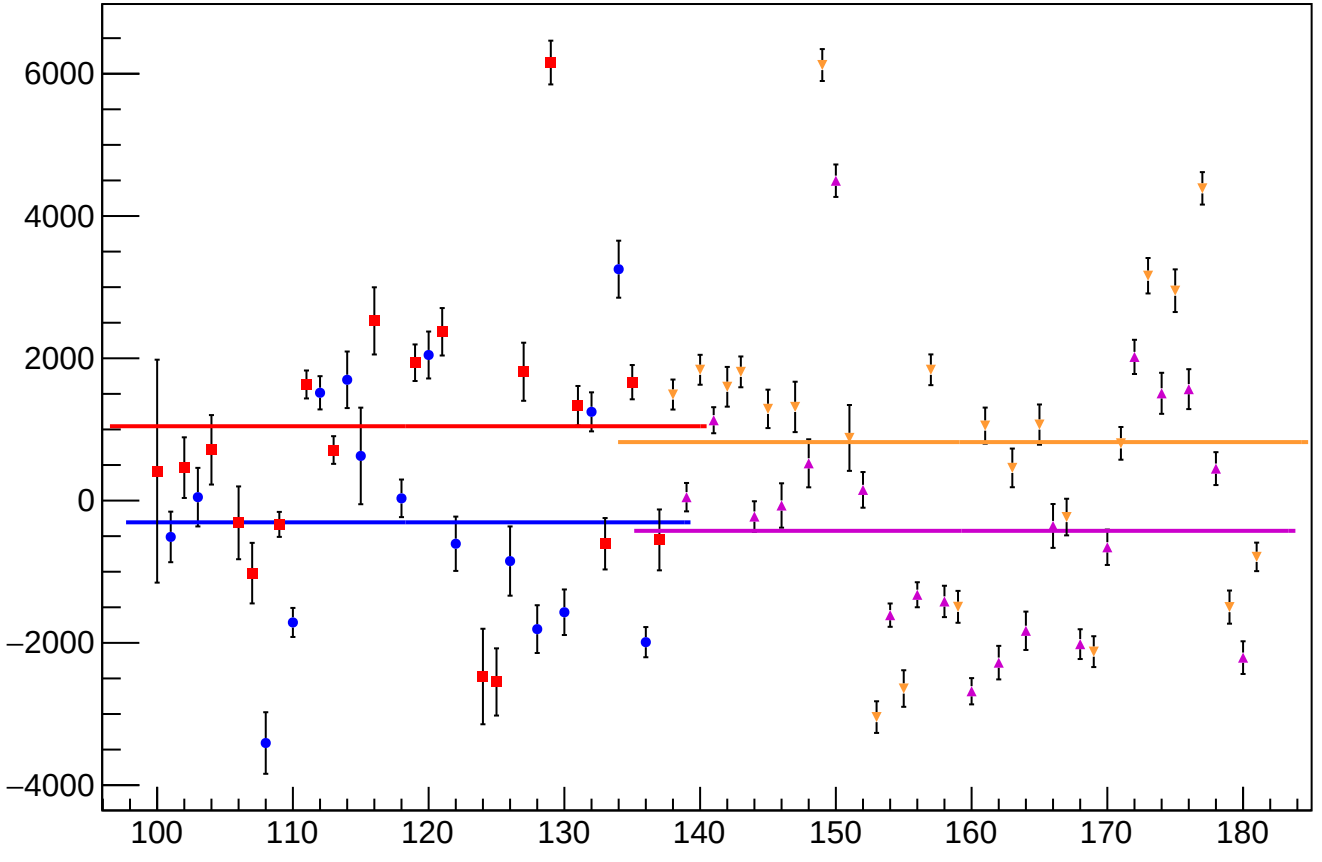
Left In: 201.260+/-0.035 χ^2/NDF:1061500.4/20

+ sign 210.272+/-0.030 χ^2/NDF: 1962555.5/38

All: 202.292+/-0.021 χ^2/NDF: 4697174.6/78

- sign 195.026+/-0.029 χ^2/NDF: 2602968.3/39

asym_bpm0l08WS_mean vs Slug



Right In: -305.649+/-77.868 χ^2/NDF: 451.8/15

Left Out: 822.243+/-50.716 χ^2/NDF:1989.0/22

Right Out: 1045.144+/-70.824 χ^2/NDF: 552.2/18

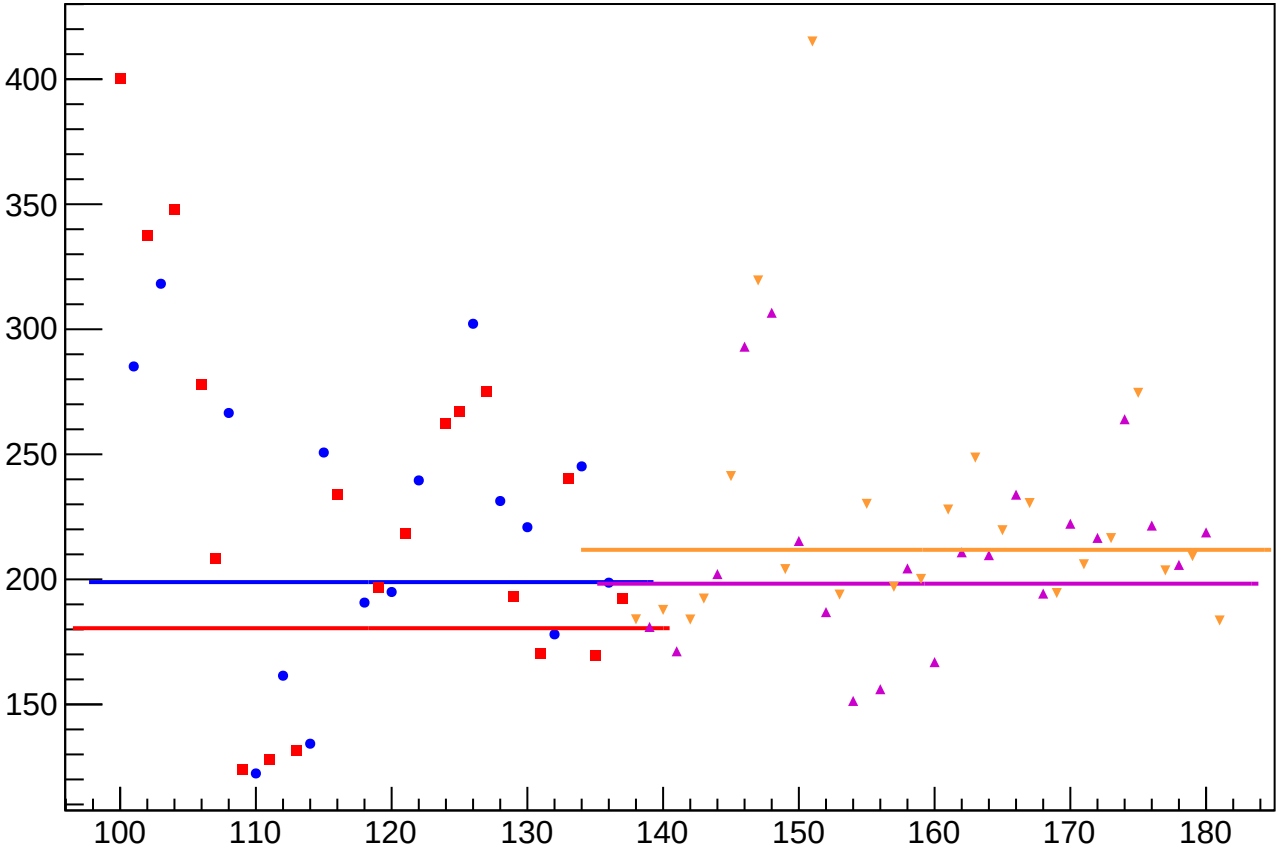
Left In: -425.149+/-49.315 χ^2/NDF:1227.1/20

+ sign 486.300+/-42.497 χ^2/NDF: 2588.1/38

All: 260.087+/-29.307 χ^2/NDF: 4711.6/78

- sign 54.938+/-40.470 χ^2/NDF: 2069.5/39

asym_bpm0l08WS_rms vs Slug



Right In: 198.903+/-0.055 χ^2/NDF: 912765.0/15

Left Out: 211.819+/-0.036 χ^2/NDF:933585.2/22

Right Out: 180.473+/-0.050 χ^2/NDF: 1434435.8/18

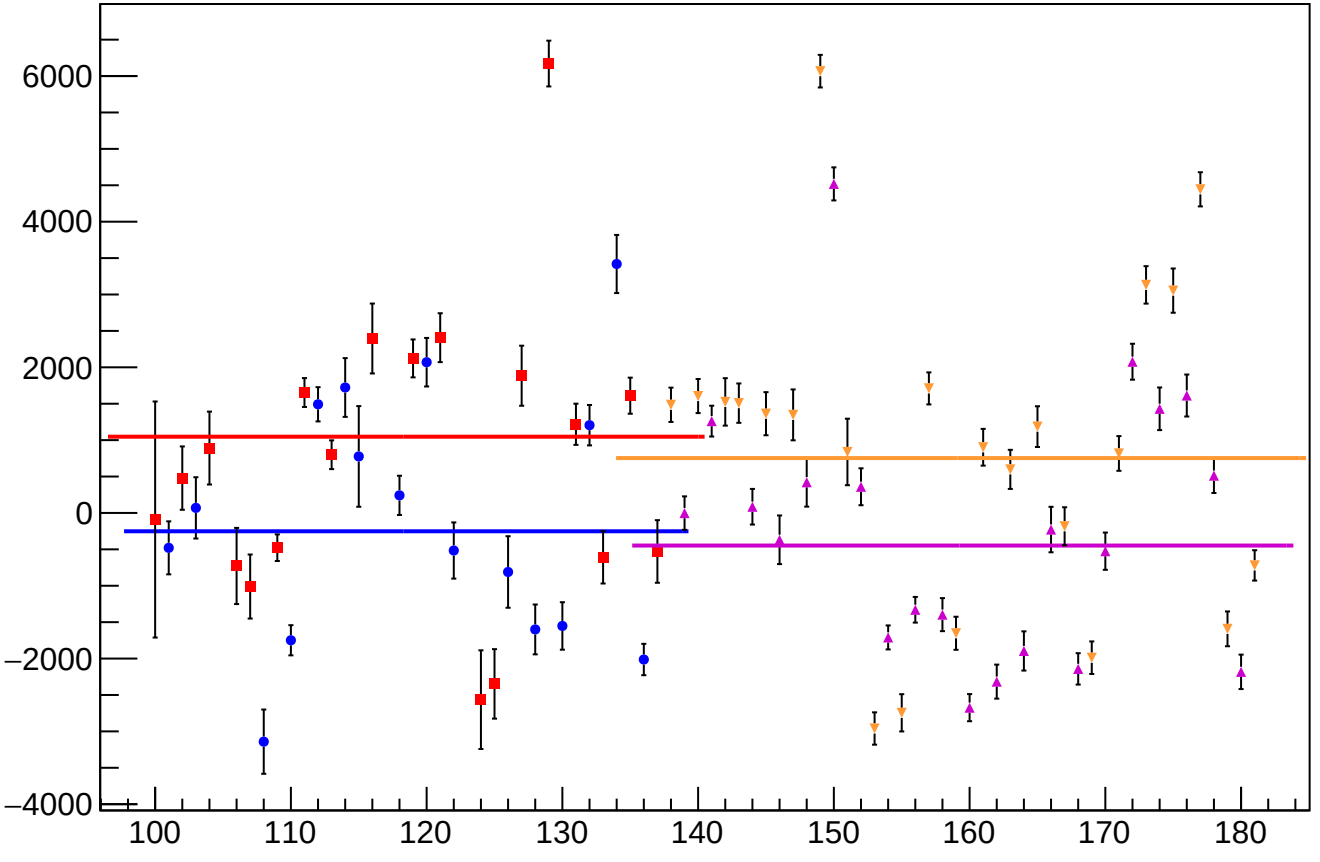
Left In: 198.274+/-0.035 χ^2/NDF:1005348.9/20

+ sign 207.972+/-0.030 χ^2/NDF: 1884986.3/38

All: 199.838+/-0.021 χ^2/NDF: 4549570.1/78

- sign 192.462+/-0.029 χ^2/NDF: 2524882.3/39

asym_bpm0l09WS_mean vs Slug



Right In: -251.795+/-78.974 χ^2/NDF: 441.2/15

Left Out: 753.665+/-52.802 χ^2/NDF:1908.1/22

Right Out: 1047.132+/-72.190 χ^2/NDF: 546.7/18

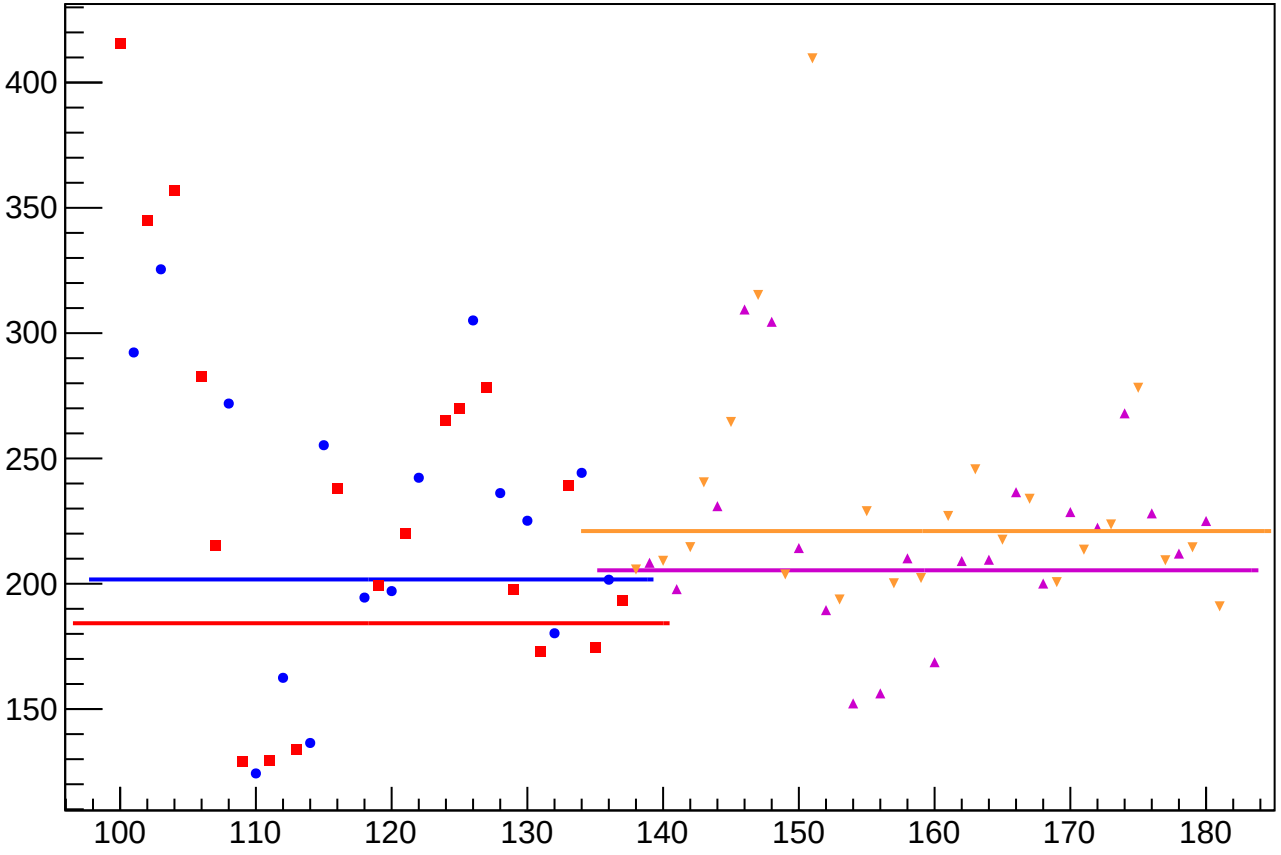
Left In: -447.808+/-51.113 χ^2/NDF:1235.1/20

+ sign 443.050+/-43.895 χ^2/NDF: 2461.4/38

All: 237.247+/-30.238 χ^2/NDF: 4570.6/78

- sign 51.375+/-41.715 χ^2/NDF: 2067.4/39

asym_bpm0l09WS_rms vs Slug



Right In: 201.714+/-0.056 χ^2/NDF: 924210.1/15

Left Out: 221.019+/-0.037 χ^2/NDF:791004.5/22

Right Out: 184.244+/-0.051 χ^2/NDF: 1403761.8/18

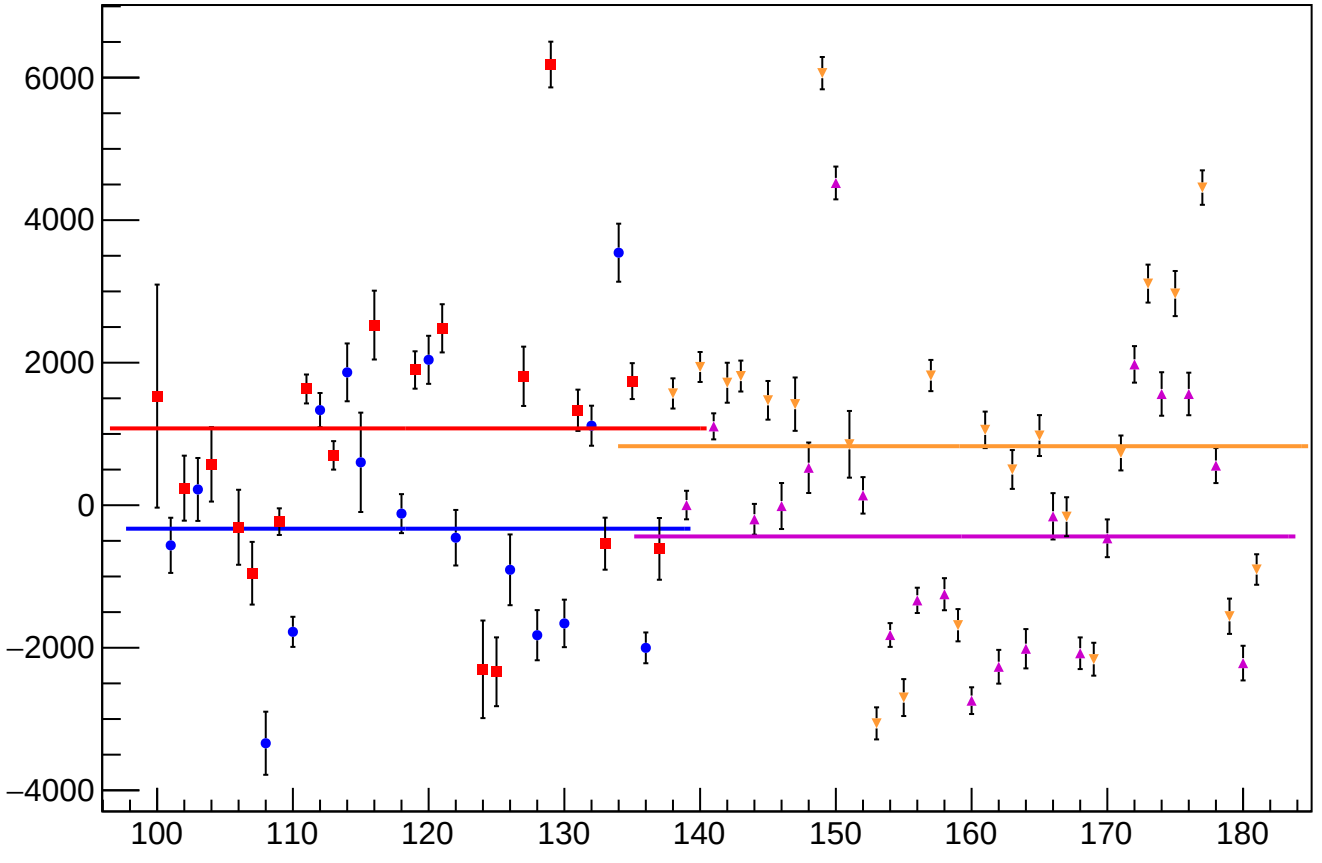
Left In: 205.369+/-0.036 χ^2/NDF:1013799.6/20

+ sign 215.055+/-0.031 χ^2/NDF: 1797810.3/38

All: 206.259+/-0.021 χ^2/NDF: 4482295.5/78

- sign 198.315+/-0.029 χ^2/NDF: 2531638.2/39

asym_bpm0l10WS_mean vs Slug



Right In: -329.377+/-80.367 χ^2/NDF: 436.4/15

Left Out: 828.079+/-52.158 χ^2/NDF:1926.2/22

Right Out: 1077.876+/-73.404 χ^2/NDF: 502.0/18

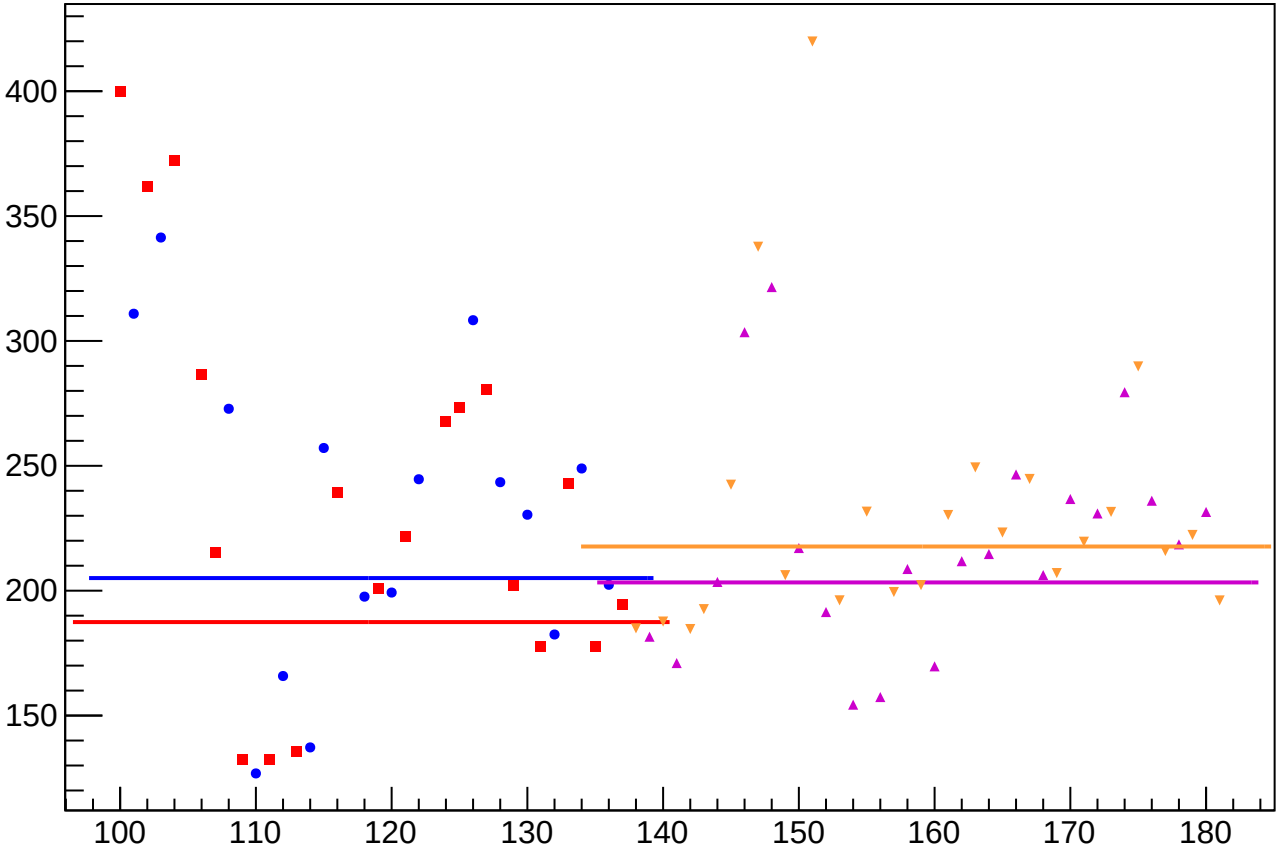
Left In: -438.186+/-50.674 χ^2/NDF:1208.3/20

\+ sign 485.044+/-43.752 χ^2/NDF: 2508.5/38

All: 257.684+/-30.186 χ^2/NDF: 4559.2/78

\- sign 51.129+/-41.702 χ^2/NDF: 1999.1/39

asym_bpm0l10WS_rms vs Slug



Right In: 205.053+/-0.057 χ^2/NDF: 963052.0/15

Left Out: 217.693+/-0.037 χ^2/NDF:978078.8/22

Right Out: 187.431+/-0.052 χ^2/NDF: 1410802.2/18

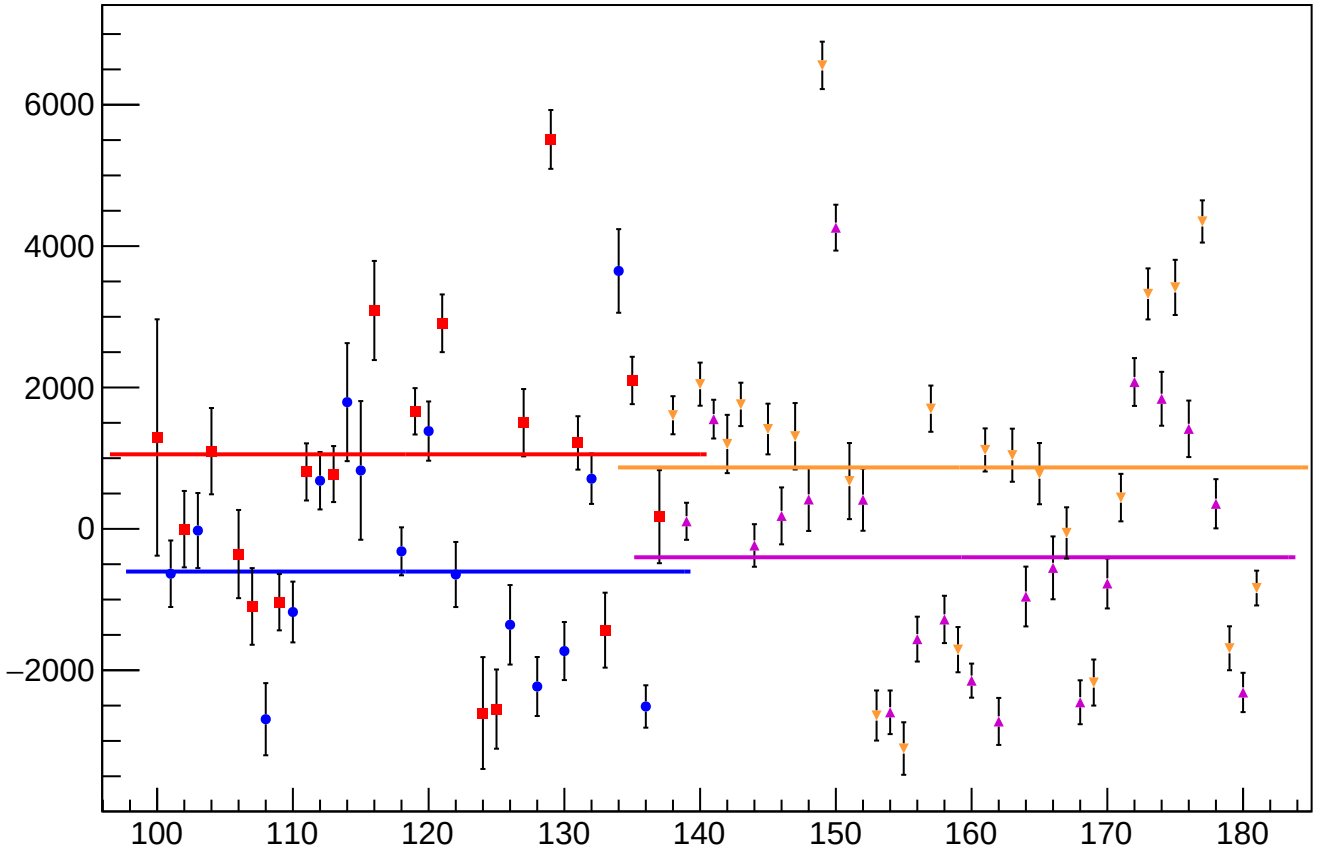
Left In: 203.306+/-0.036 χ^2/NDF:1163681.7/20

+ sign 213.947+/-0.031 χ^2/NDF: 1975940.5/38

All: 205.687+/-0.021 χ^2/NDF: 4749821.9/78

- sign 198.183+/-0.029 χ^2/NDF: 2637837.5/39

asym_bpm0r03WS_mean vs Slug



Right In: -603.855+/-110.693 χ^2/NDF: 193.5/15

Left Out: 869.098+/-70.462 χ^2/NDF:1043.1/22

Right Out: 1054.556+/-108.264 χ^2/NDF: 297.7/18

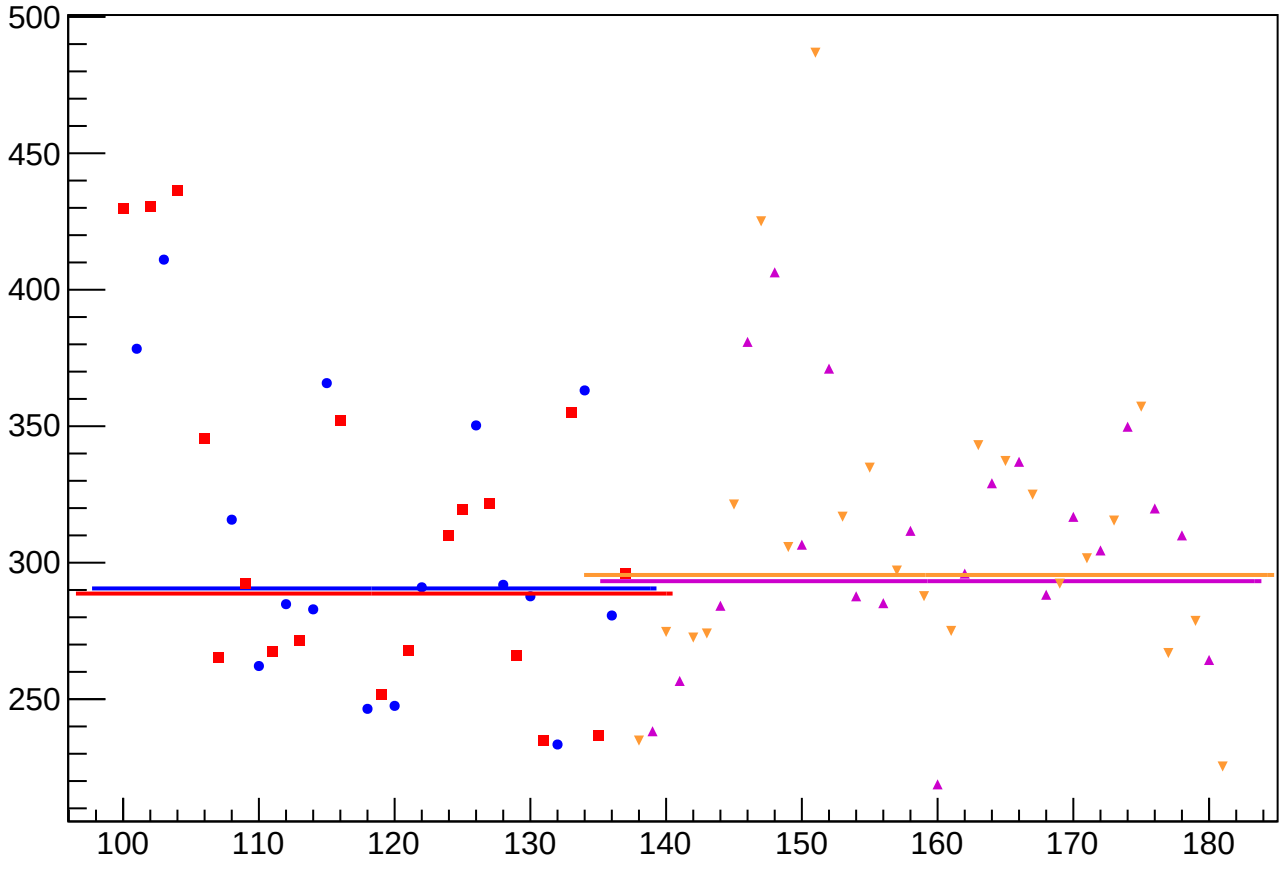
Left In: -401.963+/-72.079 χ^2/NDF:649.9/20

+ sign 444.362+/-59.441 χ^2/NDF: 1362.7/38

All: 246.725+/-42.227 χ^2/NDF: 2458.0/78

- sign 45.363+/-59.998 χ^2/NDF: 1073.0/39

asym_bpm0r03WS_rms vs Slug



Right In: 290.566+/-0.078 χ^2/NDF: 359807.1/15

Left Out: 295.503+/-0.050 χ^2/NDF:891380.9/22

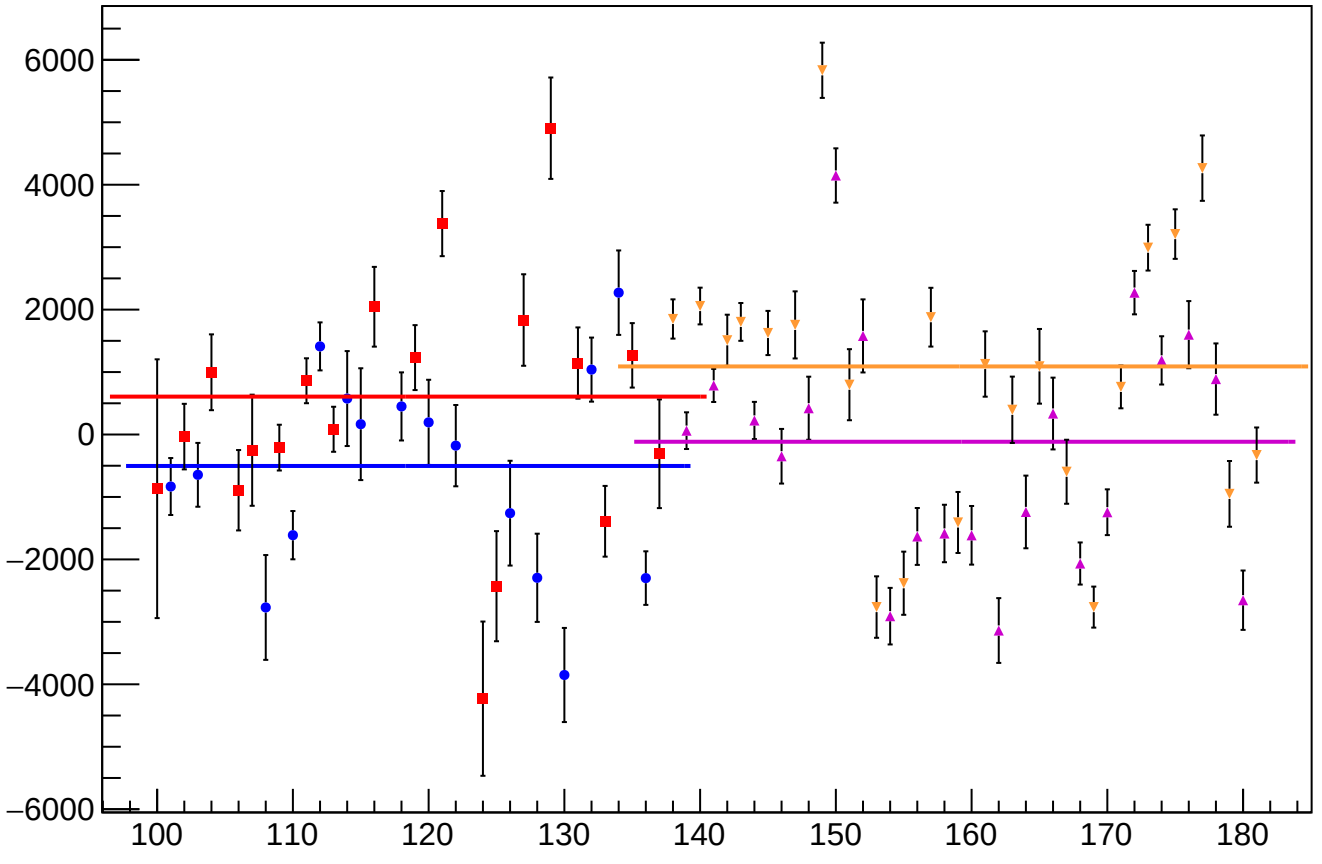
Right Out: 288.686+/-0.077 χ^2/NDF: 489094.8/18

Left In: 293.229+/-0.051 χ^2/NDF:738621.3/20

+ sign 294.079+/-0.042 χ^2/NDF: 1254018.9/38

All: 292.967+/-0.030 χ^2/NDF: 2485588.9/78

- sign 291.833+/-0.042 χ^2/NDF: 1230155.7/39



Right In: -503.675+/-140.058 χ^2/NDF: 118.2/15

Left Out: 1090.203+/-86.809 χ^2/NDF:548.4/22

Right Out: 606.880+/-129.609 χ^2/NDF: 125.1/18

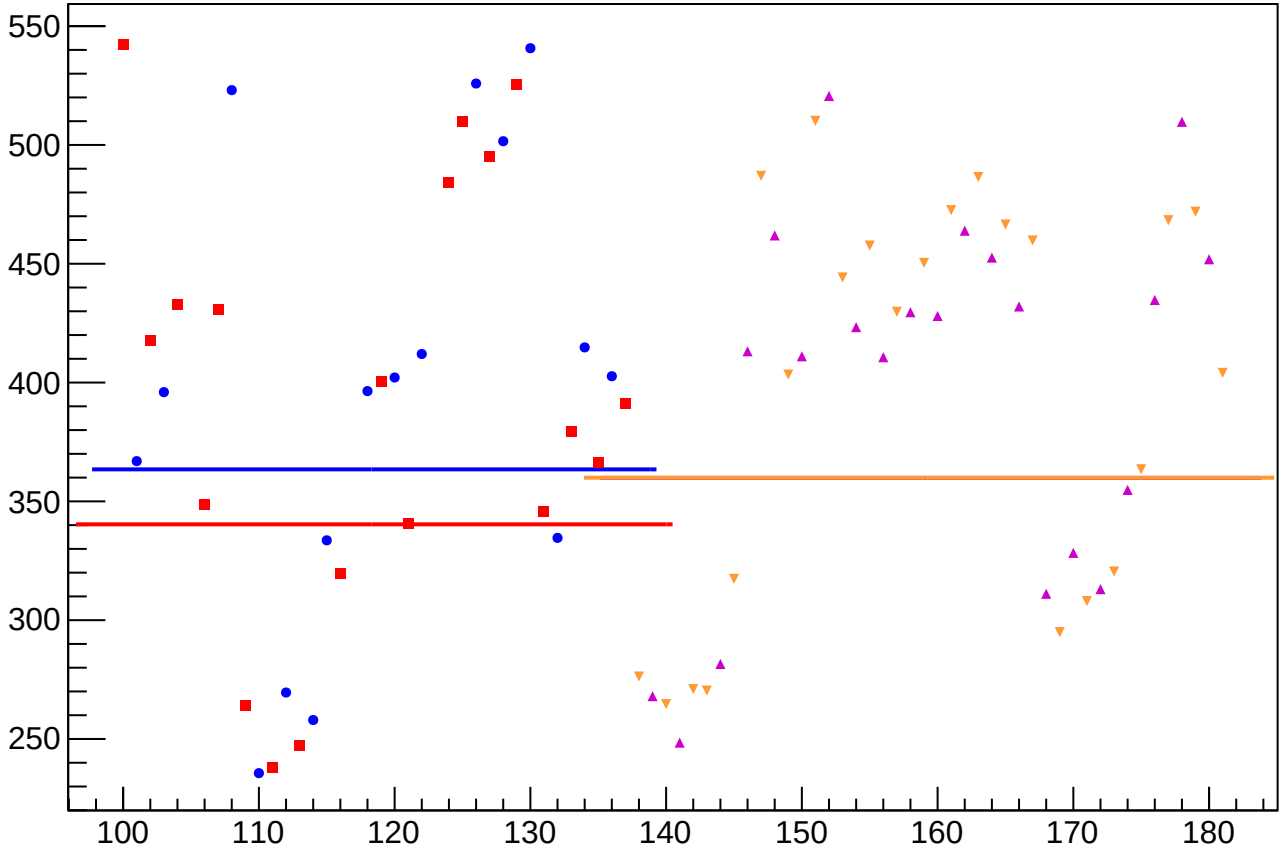
Left In: -116.033+/-89.347 χ^2/NDF:370.2/20

+ sign 647.836+/-73.786 χ^2/NDF: 760.2/38

All: 381.534+/-52.095 χ^2/NDF: 1302.6/78

- sign 116.843+/-73.562 χ^2/NDF: 516.4/39

asym_bpm0r05WS_rms vs Slug



Right In: 363.471+/-0.099 χ^2/NDF: 780893.2/15

Left Out: 359.961+/-0.061 χ^2/NDF:1855613.4/22

Right Out: 340.332+/-0.092 χ^2/NDF: 856230.3/18

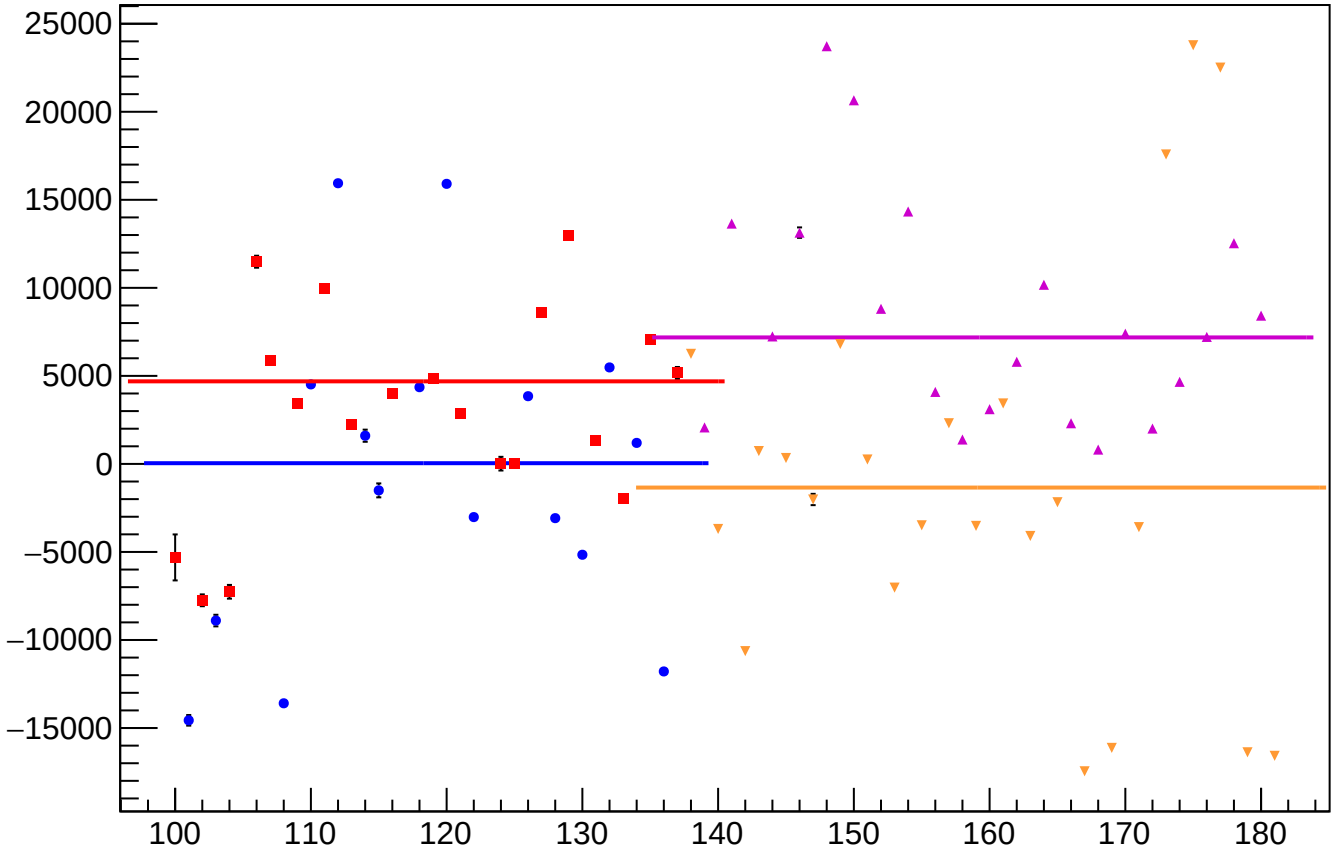
Left In: 359.861+/-0.063 χ^2/NDF:1636990.4/20

+ sign 360.935+/-0.052 χ^2/NDF: 2637414.2/38

All: 357.241+/-0.037 χ^2/NDF: 5171407.1/78

- sign 353.570+/-0.052 χ^2/NDF: 2523998.9/39

asym_bpm0i02WS_mean vs Slug



Right In: 40.915+/-54.199 χ^2/NDF: 30786.3/15

Left Out: -1342.963+/-41.556 χ^2/NDF:61953.5/22

Right Out: 4689.710+/-52.095 χ^2/NDF: 7795.7/18

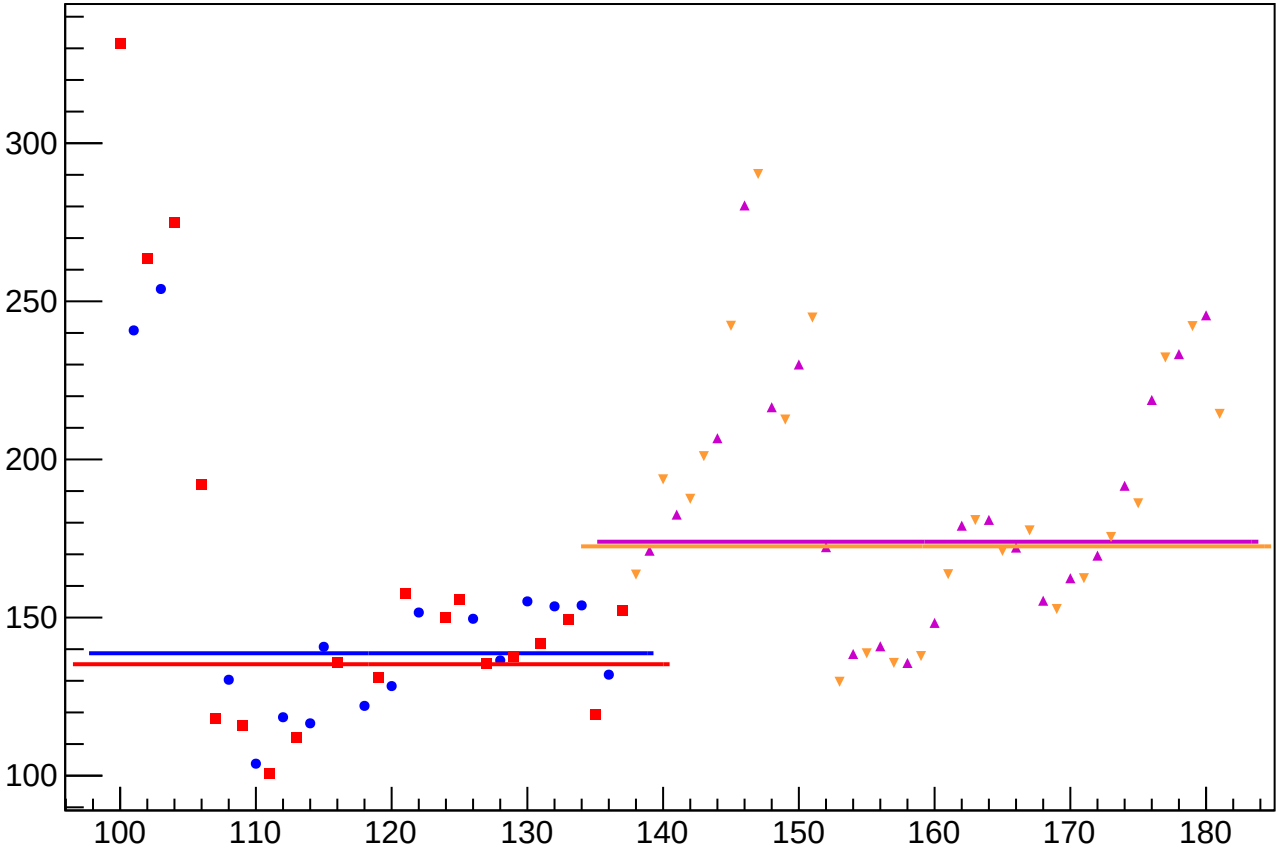
Left In: 7184.077+/-43.337 χ^2/NDF:18197.5/20

+ sign -830.609+/-32.978 χ^2/NDF: 93150.4/38

All: 2630.987+/-23.438 χ^2/NDF: 142761.6/78

- sign 6163.904+/-33.316 χ^2/NDF: 27348.1/39

asym_bpm0i02WS_rms vs Slug



Right In: 138.712+/-0.038 χ^2/NDF: 657791.3/15

Left Out: 172.515+/-0.029 χ^2/NDF:1508361.9/22

Right Out: 135.245+/-0.037 χ^2/NDF: 890024.8/18

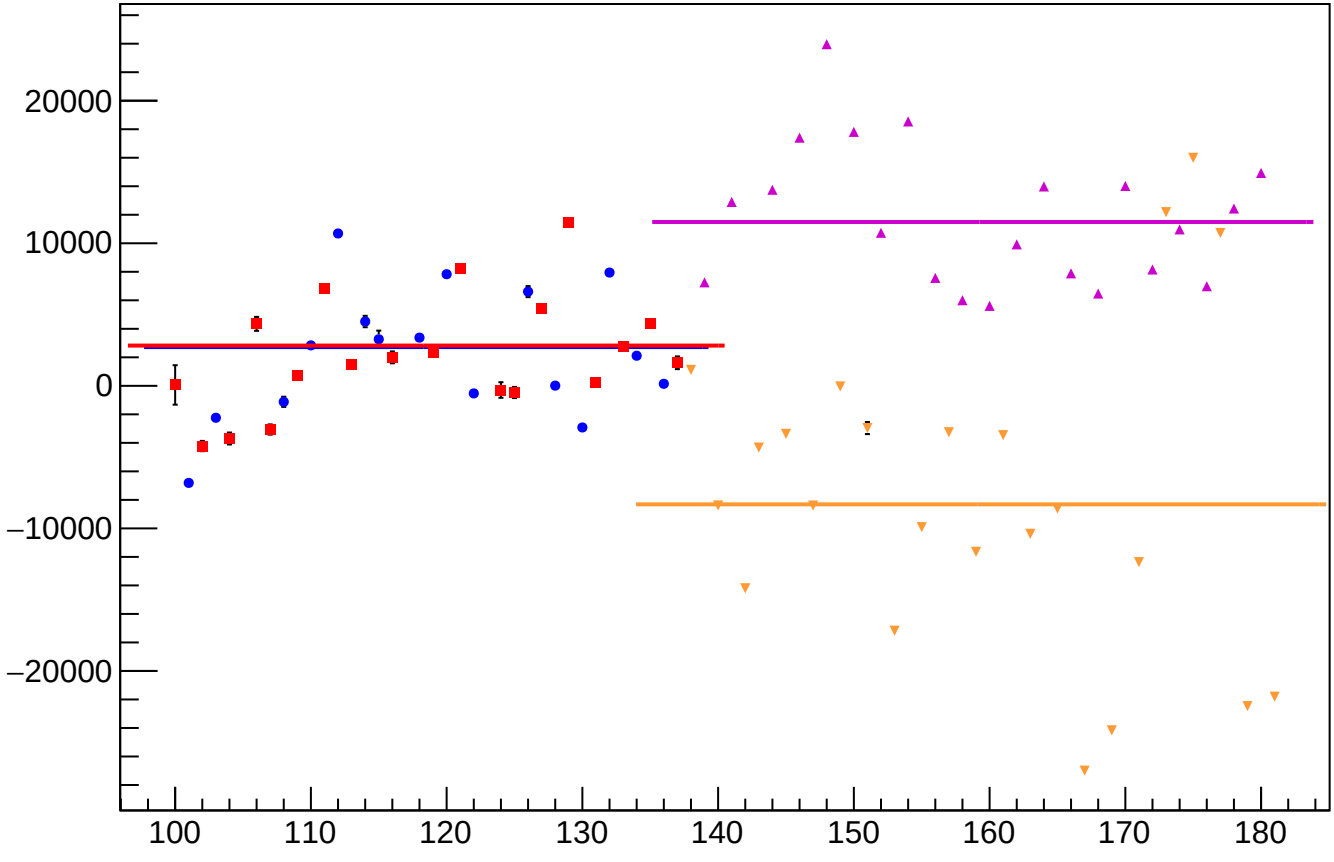
Left In: 173.984+/-0.031 χ^2/NDF:1223691.1/20

+ sign 160.000+/-0.023 χ^2/NDF: 2656087.7/38

All: 159.079+/-0.017 χ^2/NDF: 5426564.3/78

- sign 158.140+/-0.024 χ^2/NDF: 2767328.5/39

asym_bpm0i02aWS_mean vs Slug



Right In: 2719.896+/-69.247 χ^2/NDF: 4129.3/15

Left Out: -8312.319+/-47.083 χ^2/NDF:55165.6/22

Right Out: 2823.679+/-64.850 χ^2/NDF: 3062.8/18

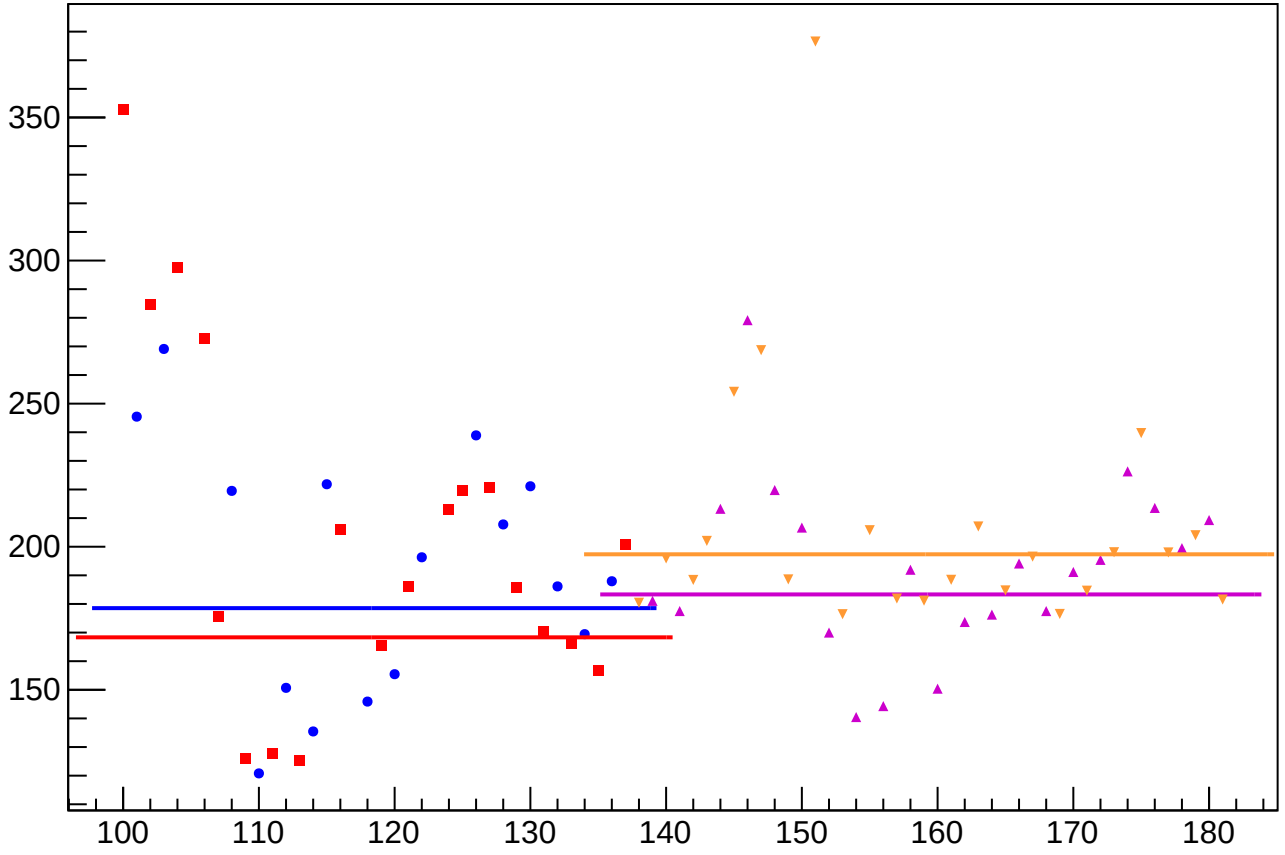
Left In: 11494.868+/-45.463 χ^2/NDF:11122.7/20

+ sign -4824.548+/-38.935 χ^2/NDF: 76652.4/38

All: 2208.430+/-26.907 χ^2/NDF: 165280.2/78

- sign 8637.565+/-37.226 χ^2/NDF: 26172.9/39

asym_bpm0i02aWS_rms vs Slug



Right In: 178.541+/-0.049 χ^2/NDF: 674566.0/15

Left Out: 197.355+/-0.033 χ^2/NDF:731687.2/22

Right Out: 168.335+/-0.046 χ^2/NDF: 979485.9/18

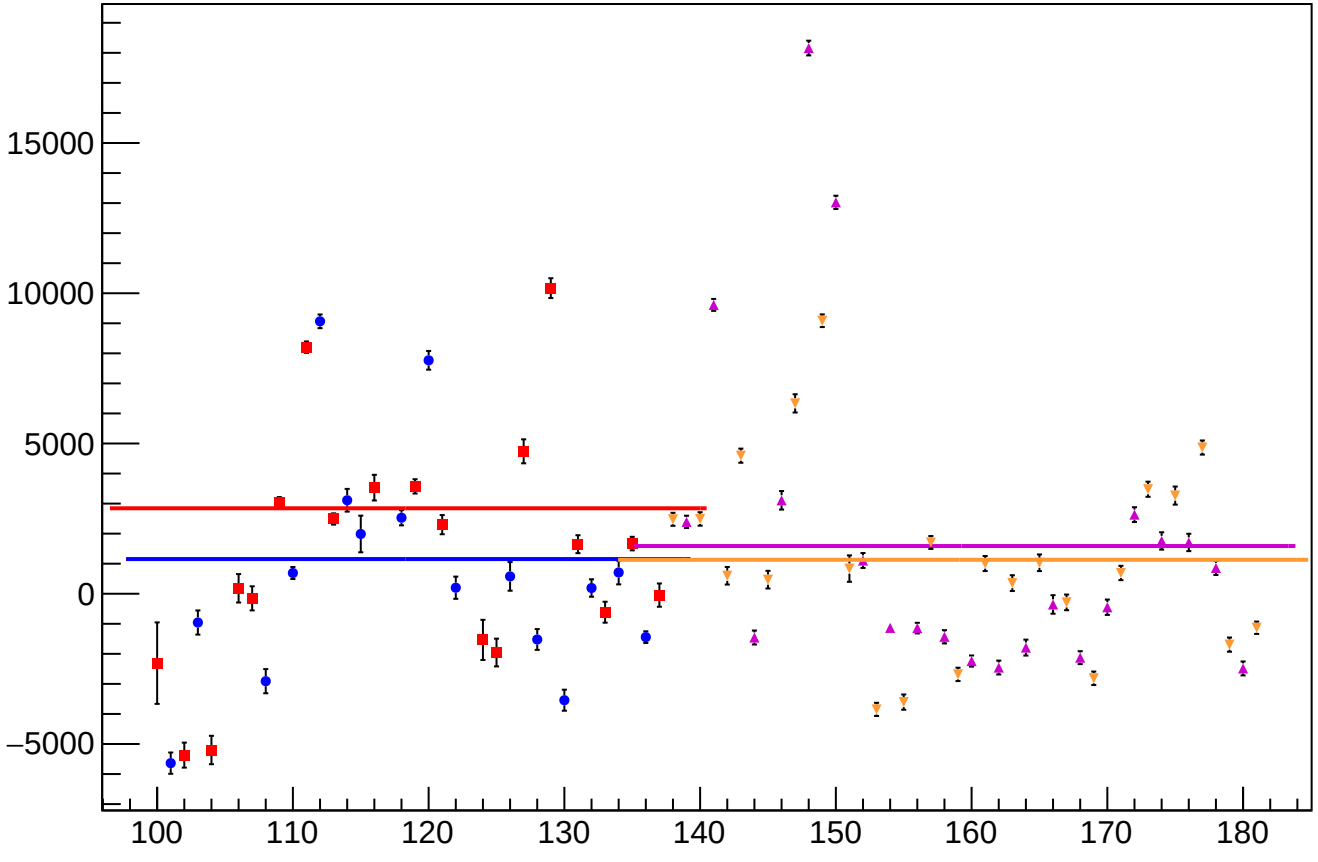
Left In: 183.332+/-0.032 χ^2/NDF:822256.1/20

+ sign 191.407+/-0.028 χ^2/NDF: 1507212.0/38

All: 184.606+/-0.019 χ^2/NDF: 3497454.2/78

- sign 178.390+/-0.026 χ^2/NDF: 1873456.6/39

asym_bpm0i05WS_mean vs Slug



Right In: 1153.823+/-75.957 χ^2/NDF: 2655.3/15

Left Out: 1129.734+/-51.231 χ^2/NDF:4182.1/22

Right Out: 2843.895+/-69.139 χ^2/NDF: 2453.1/18

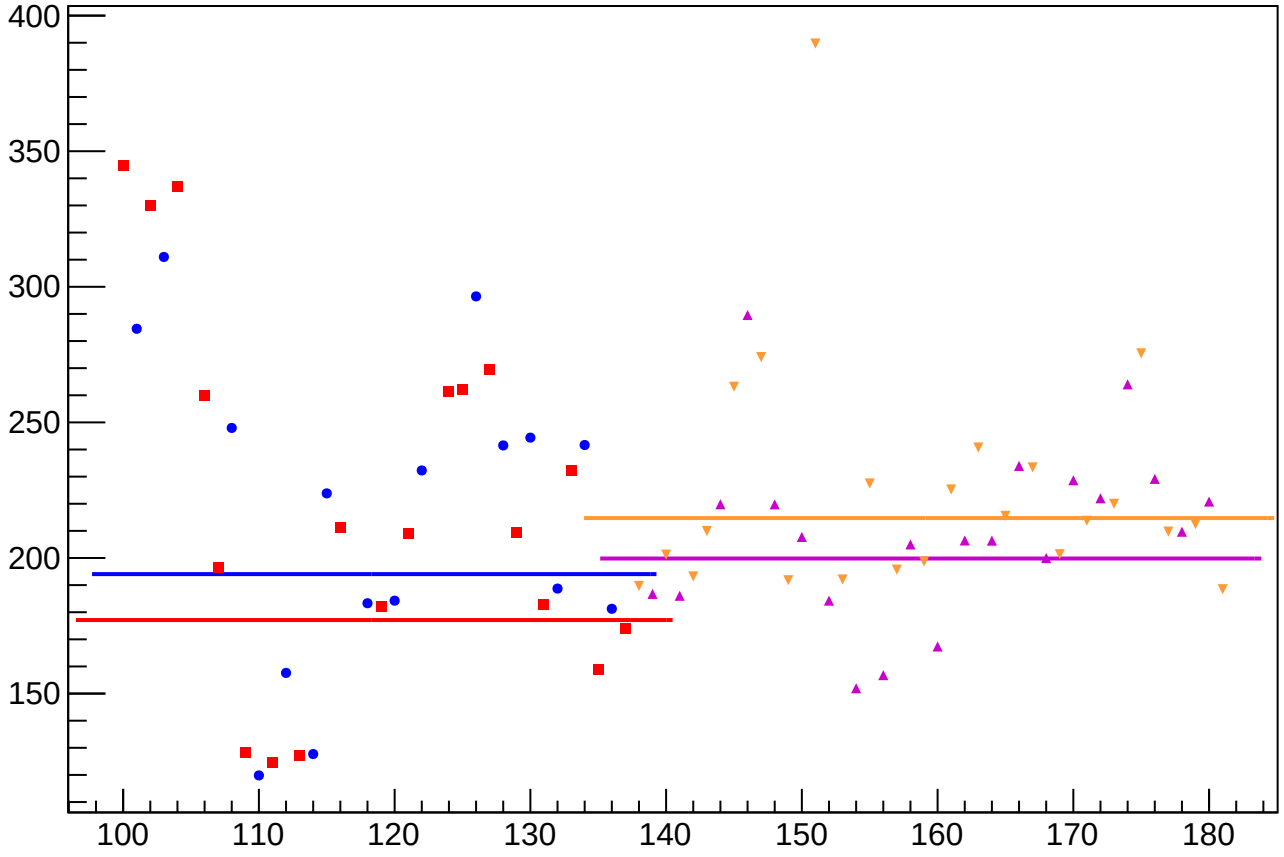
Left In: 1587.403+/-49.552 χ^2/NDF:11432.6/20

+ sign 1137.266+/-42.473 χ^2/NDF: 6837.5/38

All: 1598.786+/-29.225 χ^2/NDF: 21165.7/78

- sign 2013.791+/-40.276 χ^2/NDF: 14103.9/39

asym_bpm0i05WS_rms vs Slug



Right In: 194.053+/-0.054 χ^2/NDF: 965786.1/15

Left Out: 214.723+/-0.036 χ^2/NDF:725984.1/22

Right Out: 177.115+/-0.049 χ^2/NDF: 1359345.8/18

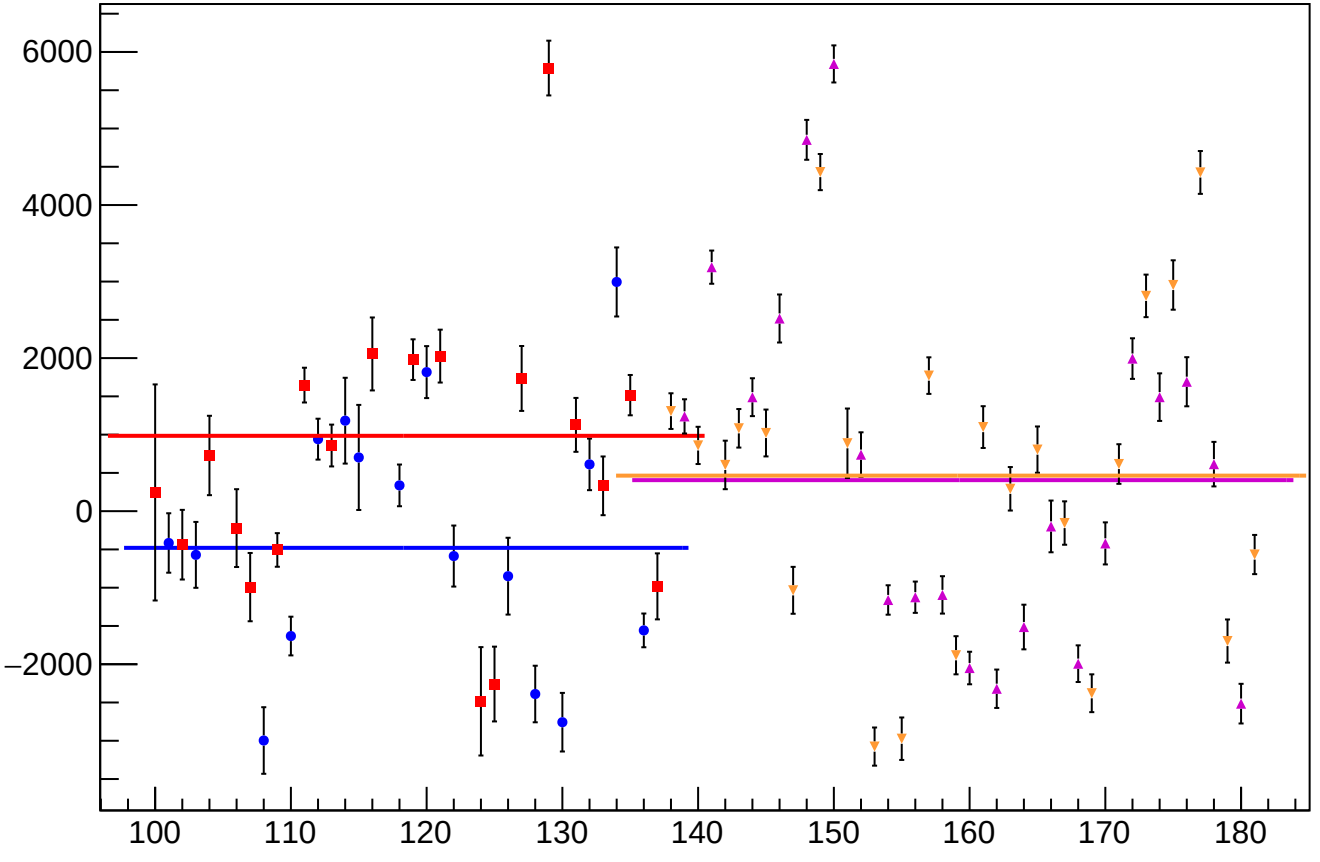
Left In: 199.804+/-0.035 χ^2/NDF:784823.8/20

+ sign 208.260+/-0.030 χ^2/NDF: 1793567.5/38

All: 199.754+/-0.021 χ^2/NDF: 4232386.9/78

- sign 192.105+/-0.028 χ^2/NDF: 2286464.0/39

asym_bpm0i07WS_mean vs Slug



Right In: -479.302+/-86.685 χ^2/NDF: 305.4/15

Left Out: 464.310+/-56.662 χ^2/NDF:1357.0/22

Right Out: 984.498+/-80.945 χ^2/NDF: 398.1/18

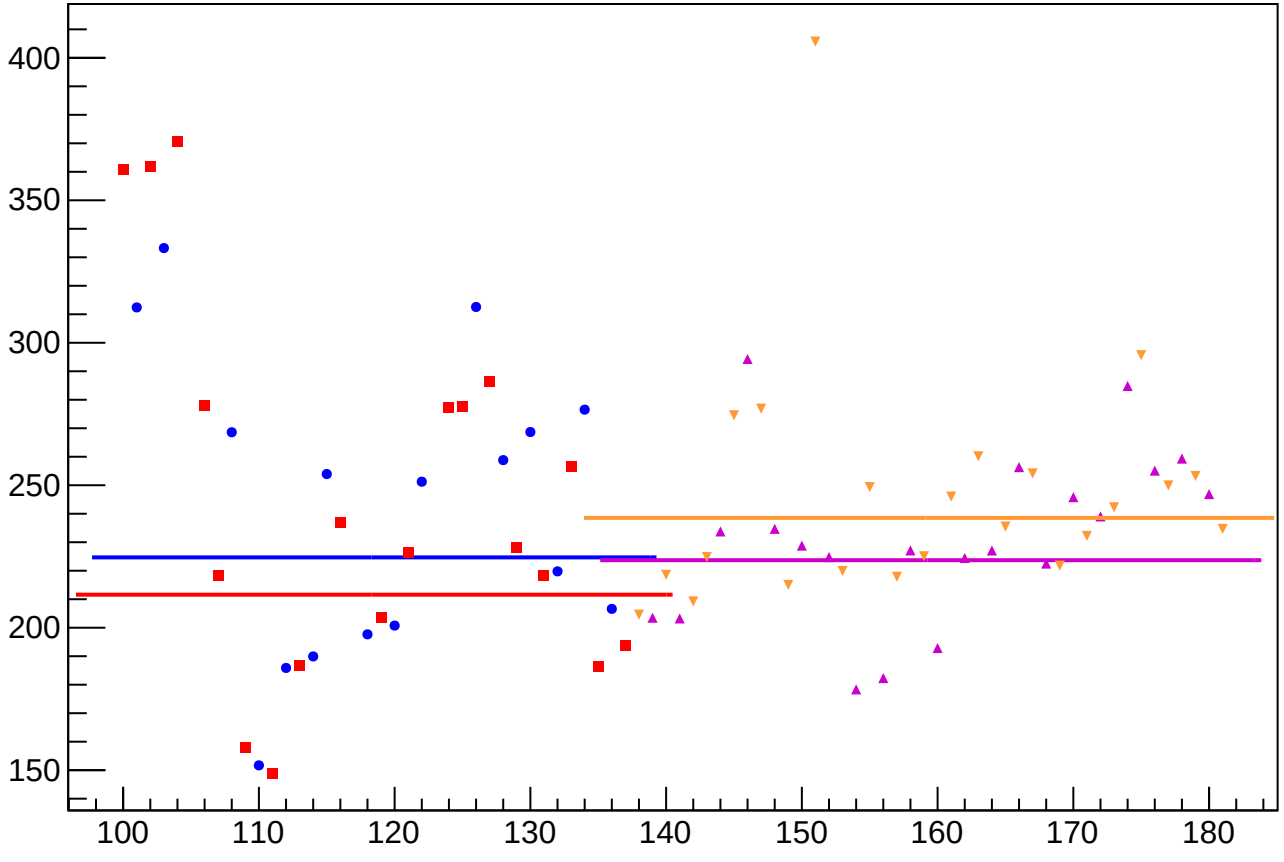
Left In: 405.305+/-55.120 χ^2/NDF:1798.1/20

+ sign 181.829+/-47.429 χ^2/NDF: 1745.5/38

All: 393.486+/-32.857 χ^2/NDF: 4015.0/78

- sign 588.792+/-45.560 χ^2/NDF: 2231.2/39

asym_bpm0i07WS_rms vs Slug



Right In: 224.683+/-0.061 χ^2/NDF: 653193.4/15

Left Out: 238.543+/-0.040 χ^2/NDF:566103.6/22

Right Out: 211.595+/-0.057 χ^2/NDF: 932902.5/18

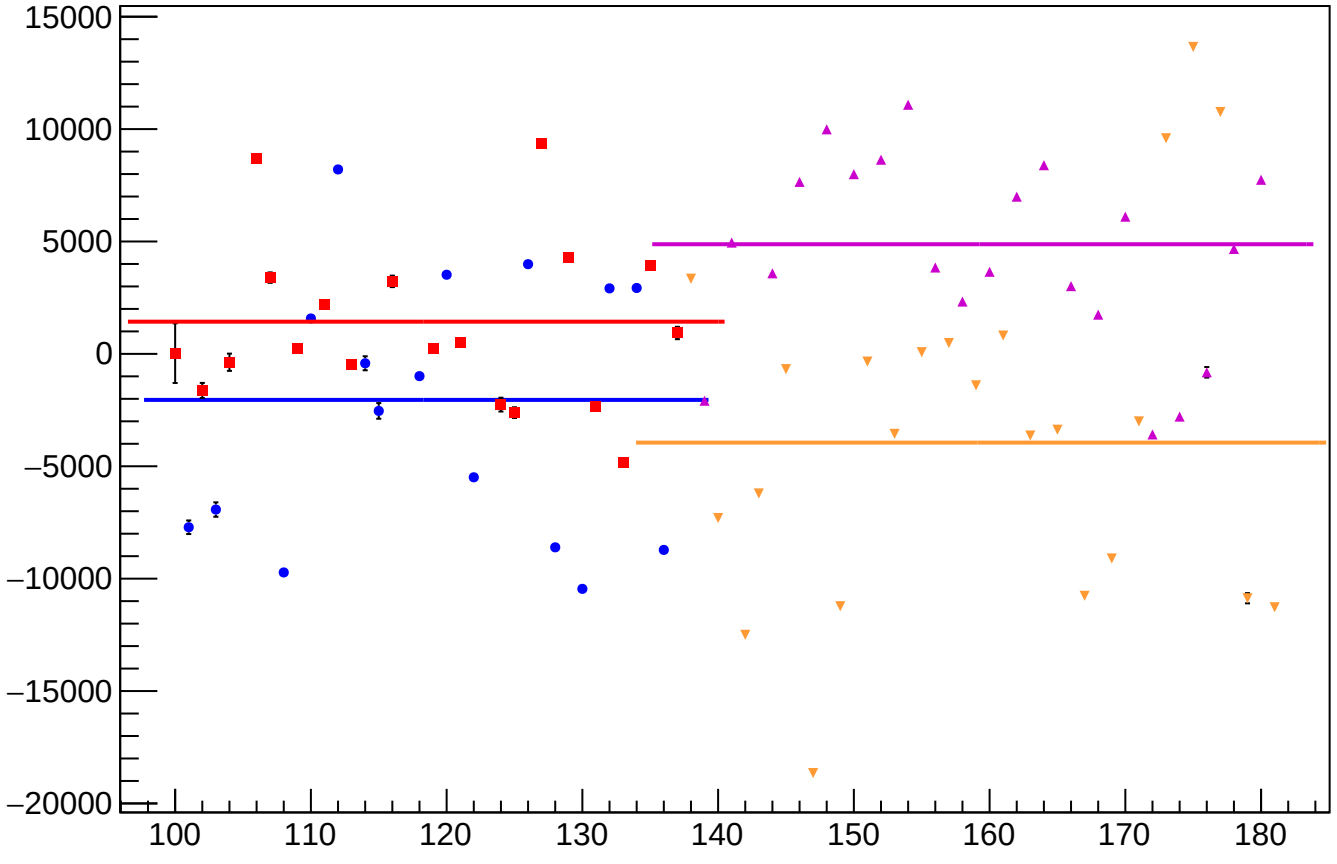
Left In: 223.694+/-0.039 χ^2/NDF:560061.0/20

+ sign 234.394+/-0.034 χ^2/NDF: 1255123.9/38

All: 226.836+/-0.023 χ^2/NDF: 2876279.9/78

- sign 219.861+/-0.032 χ^2/NDF: 1523491.3/39

asym_bpm1i02WS_mean vs Slug



Right In: -2047.267+/-46.722 χ^2/NDF: 16709.1/15

Left Out: -3947.133+/-31.216 χ^2/NDF:53912.1/22

Right Out: 1432.909+/-44.729 χ^2/NDF: 6387.8/18

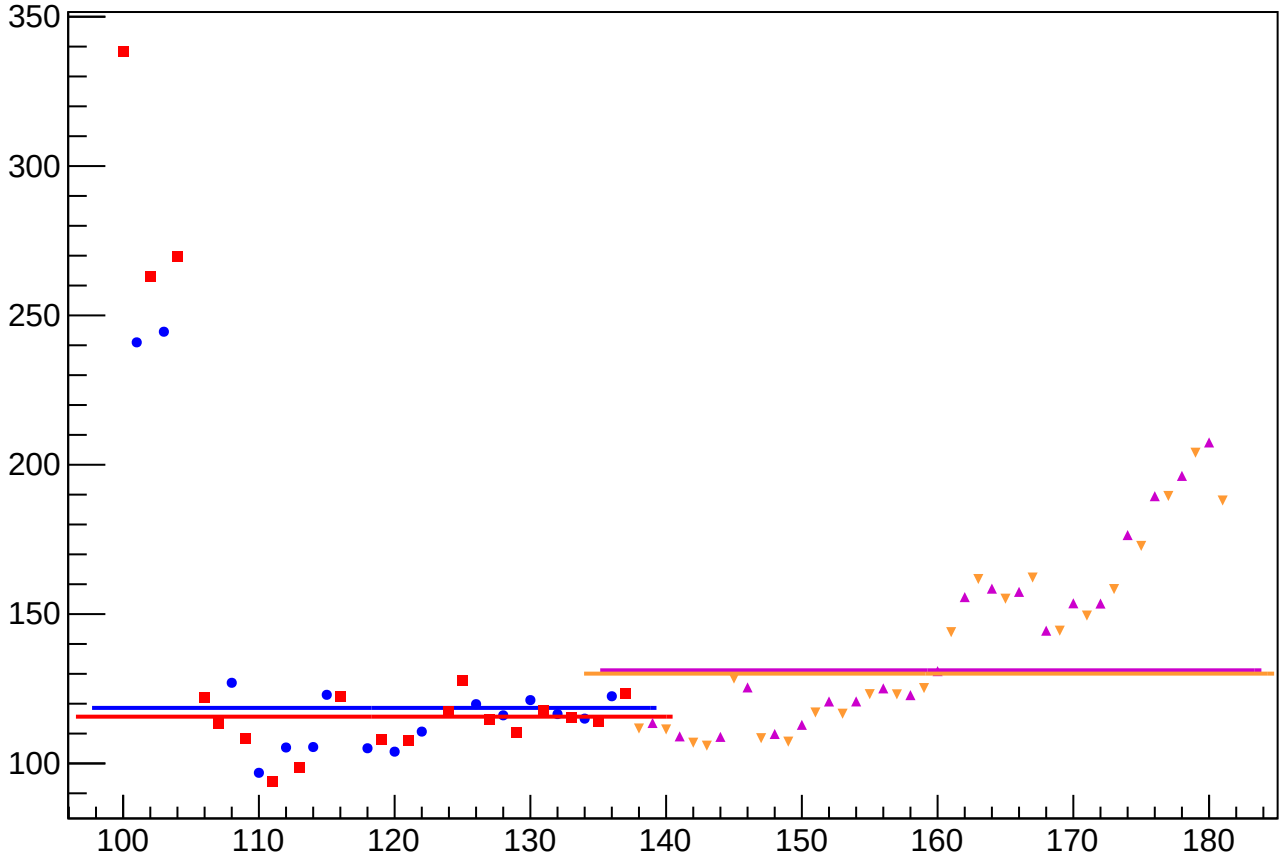
Left In: 4877.883+/-32.422 χ^2/NDF:15405.5/20

\+ sign -3360.792+/-25.956 χ^2/NDF: 71764.4/38

All: 125.368+/-18.457 χ^2/NDF: 133938.4/78

\- sign 3691.294+/-26.251 χ^2/NDF: 25682.0/39

asym_bpm1i02WS_rms vs Slug



Right In: 118.596+/-0.033 χ^2/NDF: 734158.7/15

Left Out: 130.070+/-0.022 χ^2/NDF:1296025.1/22

Right Out: 115.660+/-0.032 χ^2/NDF: 864206.3/18

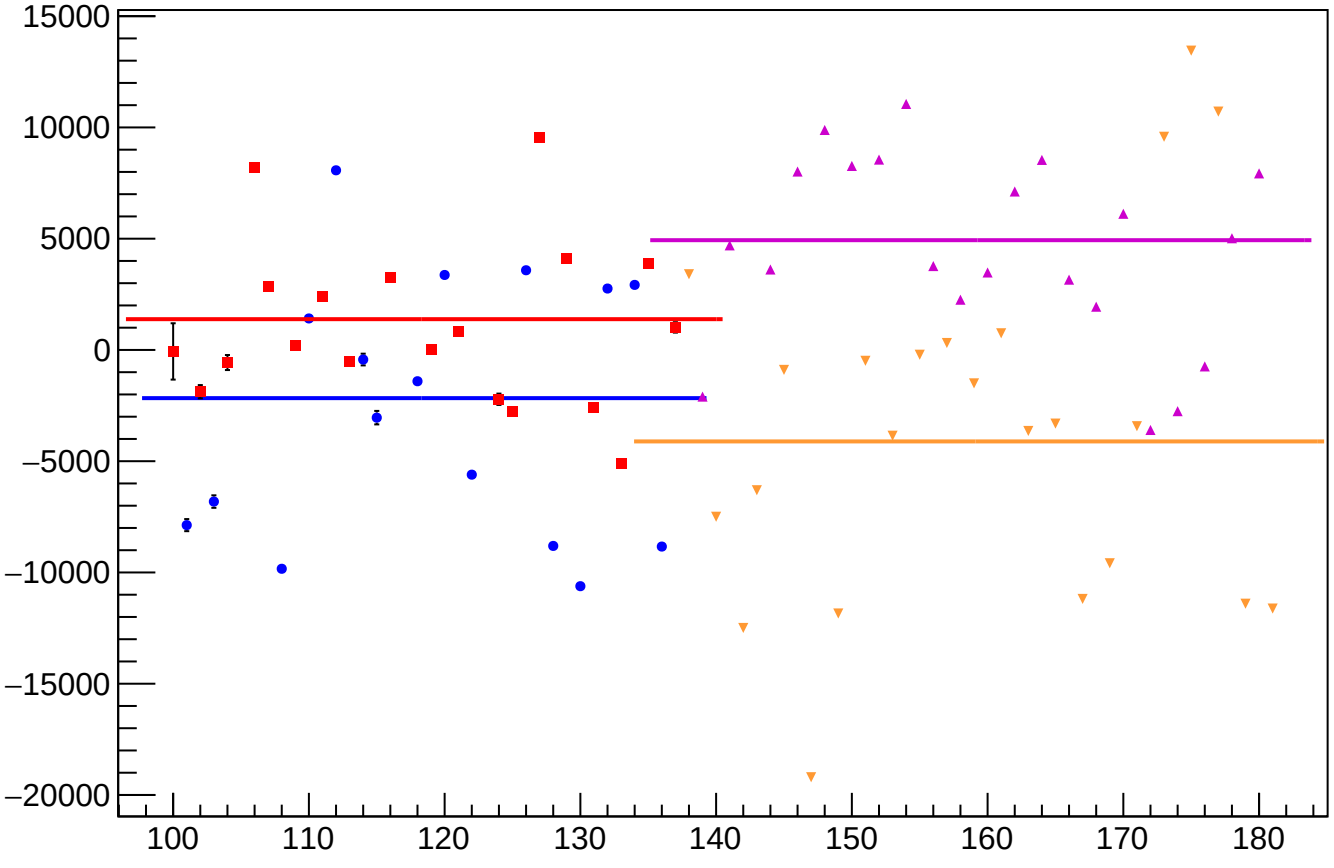
Left In: 131.177+/-0.023 χ^2/NDF:1174576.7/20

+ sign 126.529+/-0.018 χ^2/NDF: 2113574.5/38

All: 126.184+/-0.013 χ^2/NDF: 4310865.4/78

- sign 125.832+/-0.019 χ^2/NDF: 2196579.1/39

asym_bpm1i04WS_mean vs Slug



Right In: -2165.877+/-39.632 χ^2/NDF: 22874.8/15

Left Out: -4111.085+/-28.299 χ^2/NDF:63671.5/22

Right Out: 1383.103+/-37.976 χ^2/NDF: 9148.6/18

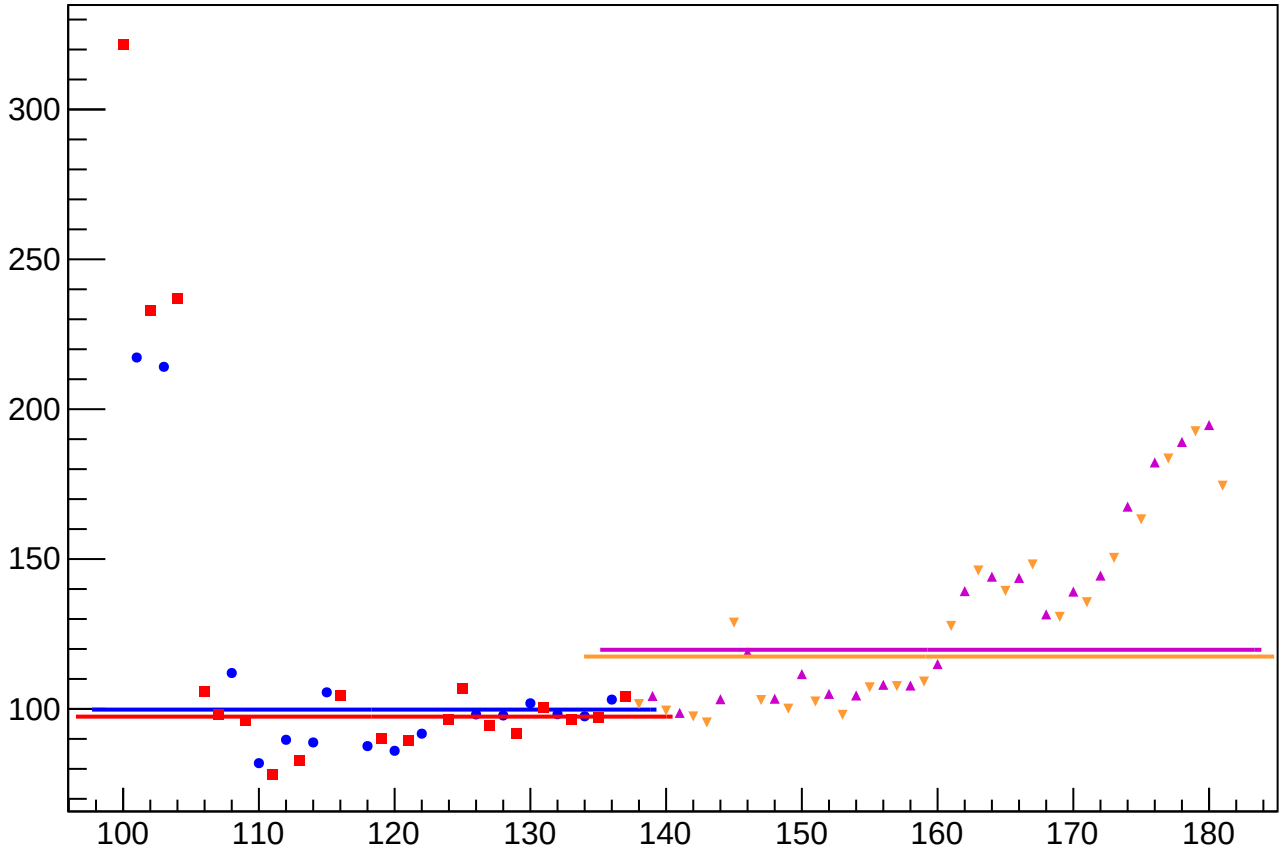
Left In: 4932.652+/-29.665 χ^2/NDF:18344.8/20

+ sign -3454.214+/-23.030 χ^2/NDF: 88141.8/38

All: 13.989+/-16.406 χ^2/NDF: 167105.8/78

- sign 3587.536+/-23.378 χ^2/NDF: 32919.1/39

asym_bpm1i04WS_rms vs Slug



Right In: 99.775+/-0.028 χ^2/NDF: 809152.9/15

Left Out: 117.470+/-0.020 χ^2/NDF:1492574.4/22

Right Out: 97.428+/-0.027 χ^2/NDF: 926047.7/18

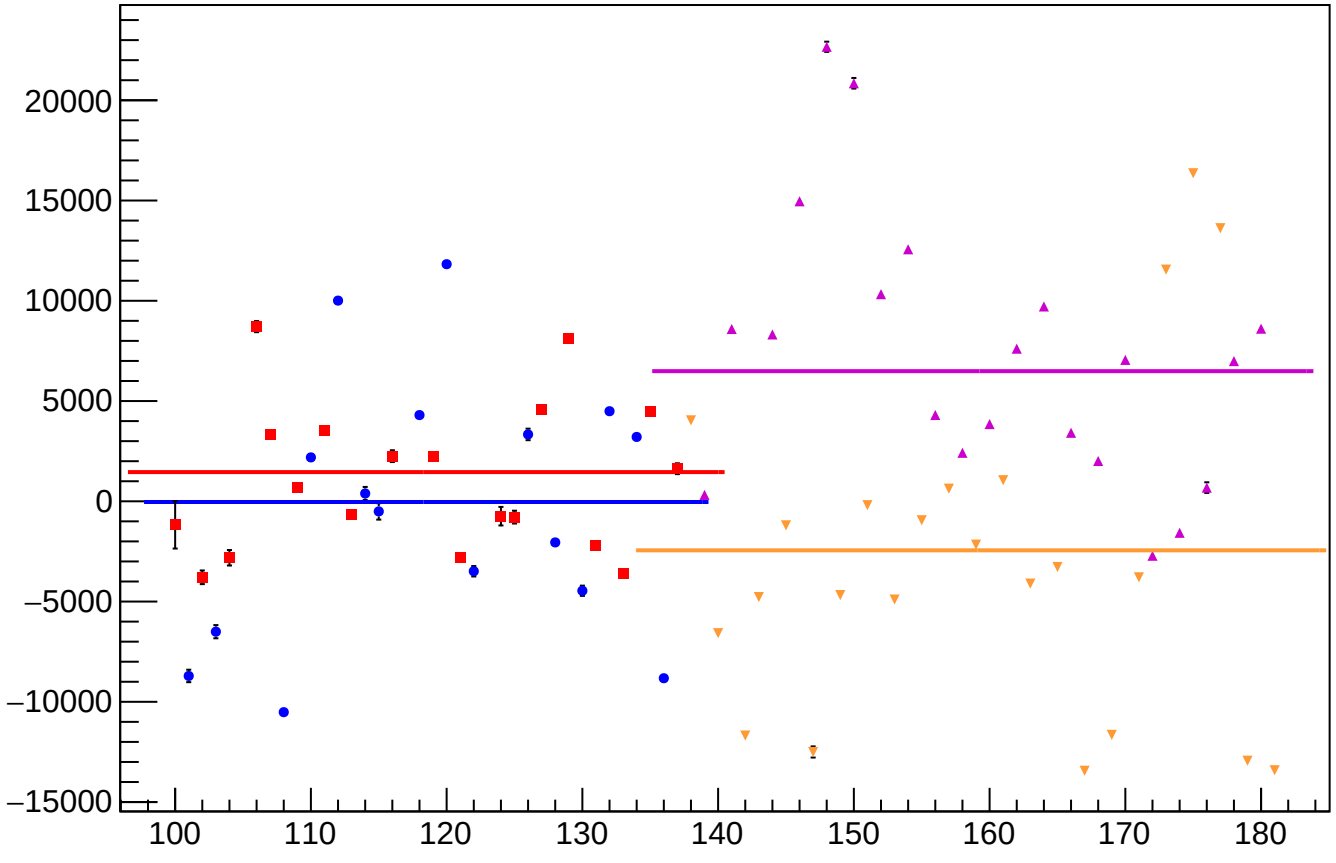
Left In: 119.733+/-0.021 χ^2/NDF:1281794.0/20

+ sign 111.495+/-0.016 χ^2/NDF: 2565808.1/38

All: 111.389+/-0.012 χ^2/NDF: 5202252.9/78

- sign 111.280+/-0.017 χ^2/NDF: 2636359.6/39

asym_bpm1i06WS_mean vs Slug



Right In: -34.667+/-53.465 χ^2/NDF: 16802.8/15

Left Out: -2444.846+/-38.860 χ^2/NDF:33647.4/22

Right Out: 1456.665+/-51.946 χ^2/NDF: 4117.0/18

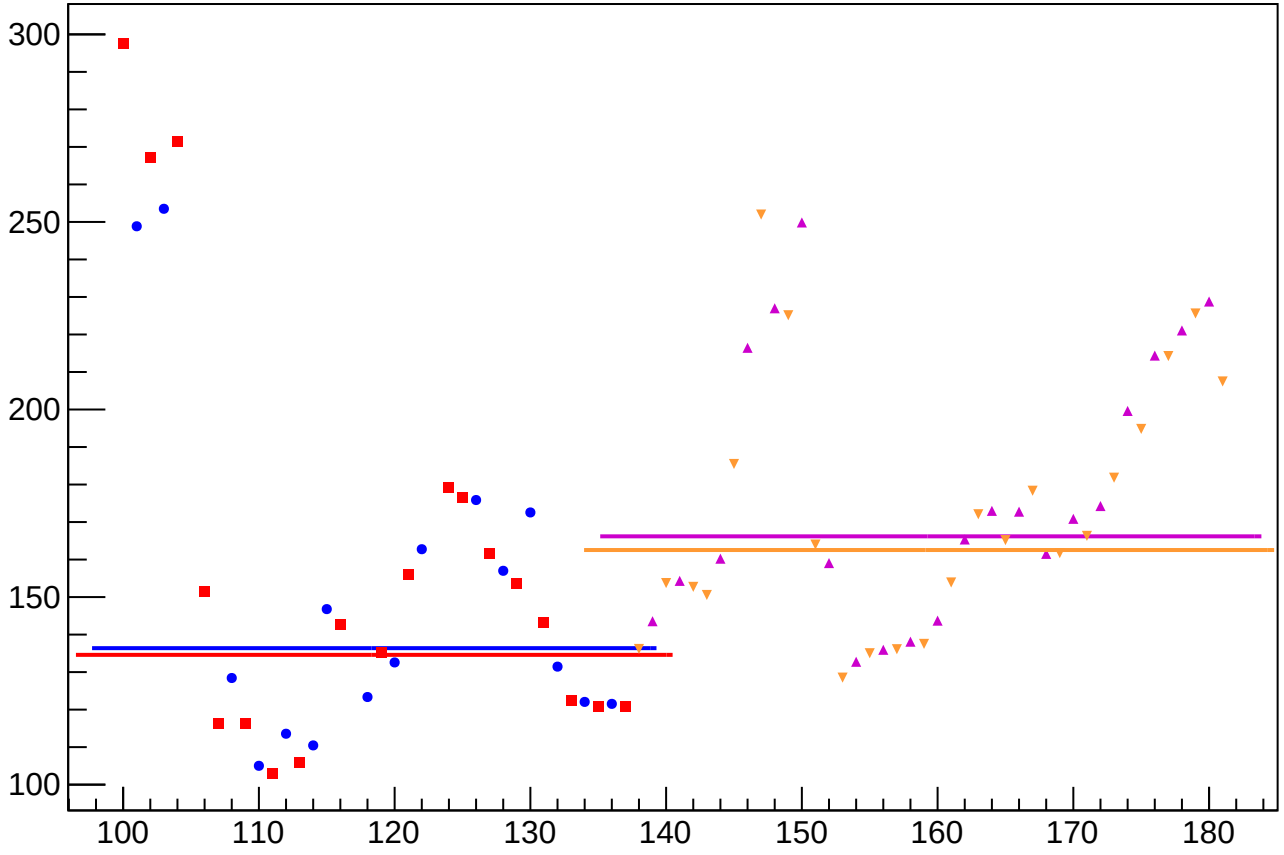
Left In: 6491.027+/-41.047 χ^2/NDF:18944.3/20

\+ sign -1611.717+/-31.434 χ^2/NDF: 51779.9/38

All: 1397.279+/-22.495 χ^2/NDF: 99404.8/78

\- sign 4555.852+/-32.206 χ^2/NDF: 28843.5/39

asym_bpm1i06WS_rms vs Slug



Right In: 136.383+/-0.038 χ^2/NDF: 796855.7/15

Left Out: 162.542+/-0.027 χ^2/NDF:1122274.2/22

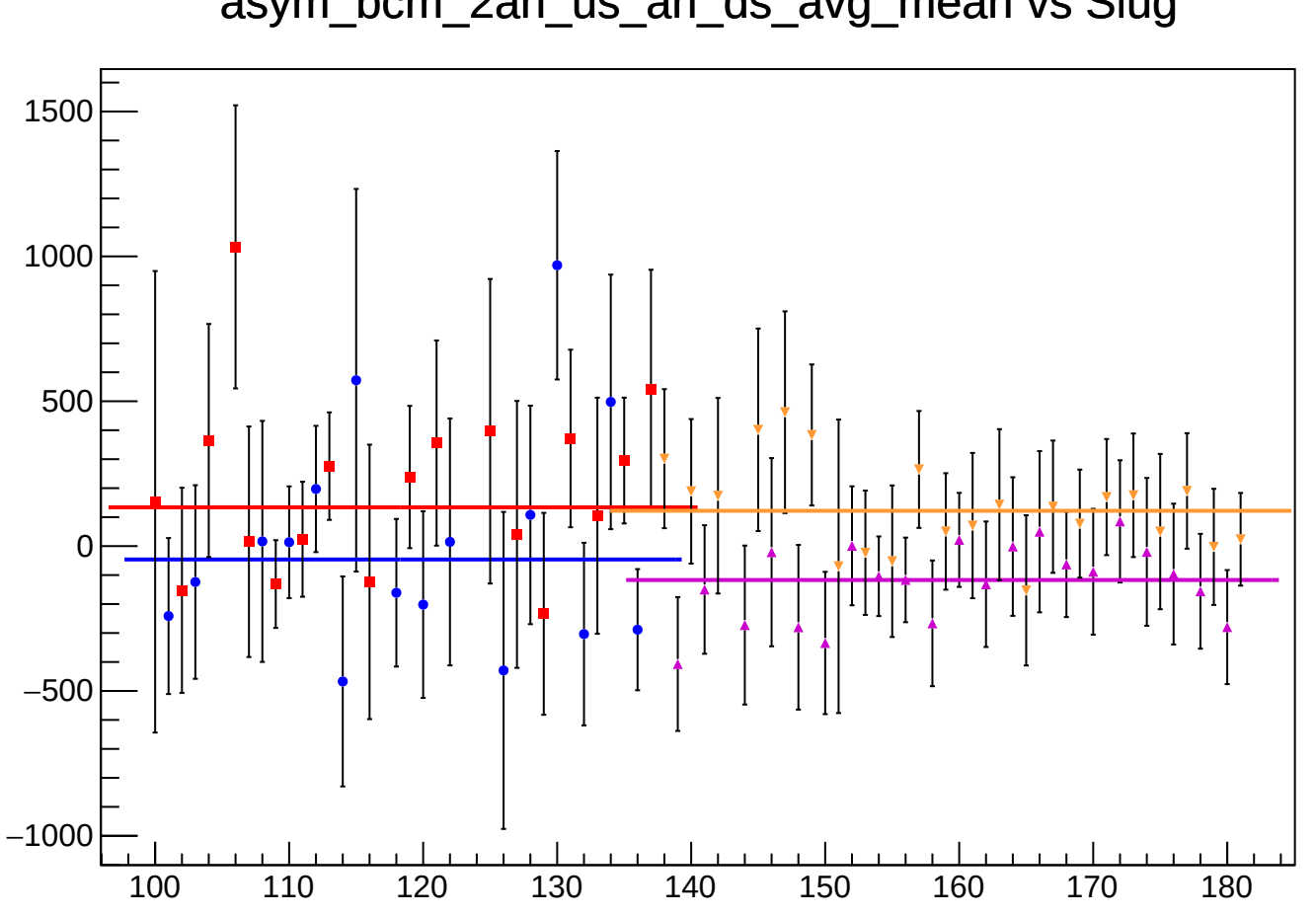
Right Out: 134.598+/-0.037 χ^2/NDF: 919605.2/18

Left In: 166.192+/-0.029 χ^2/NDF:1125250.1/20

+ sign 153.500+/-0.022 χ^2/NDF: 2232406.7/38

All: 153.767+/-0.016 χ^2/NDF: 4732992.3/78

- sign 154.048+/-0.023 χ^2/NDF: 2500289.6/39



Right In: -46.199+/-76.283 χ^2/NDF: 15.5/15

Left Out: 121.939+/-49.477 χ^2/NDF:7.4/21

Right Out: 133.913+/-68.414 χ^2/NDF: 12.8/17

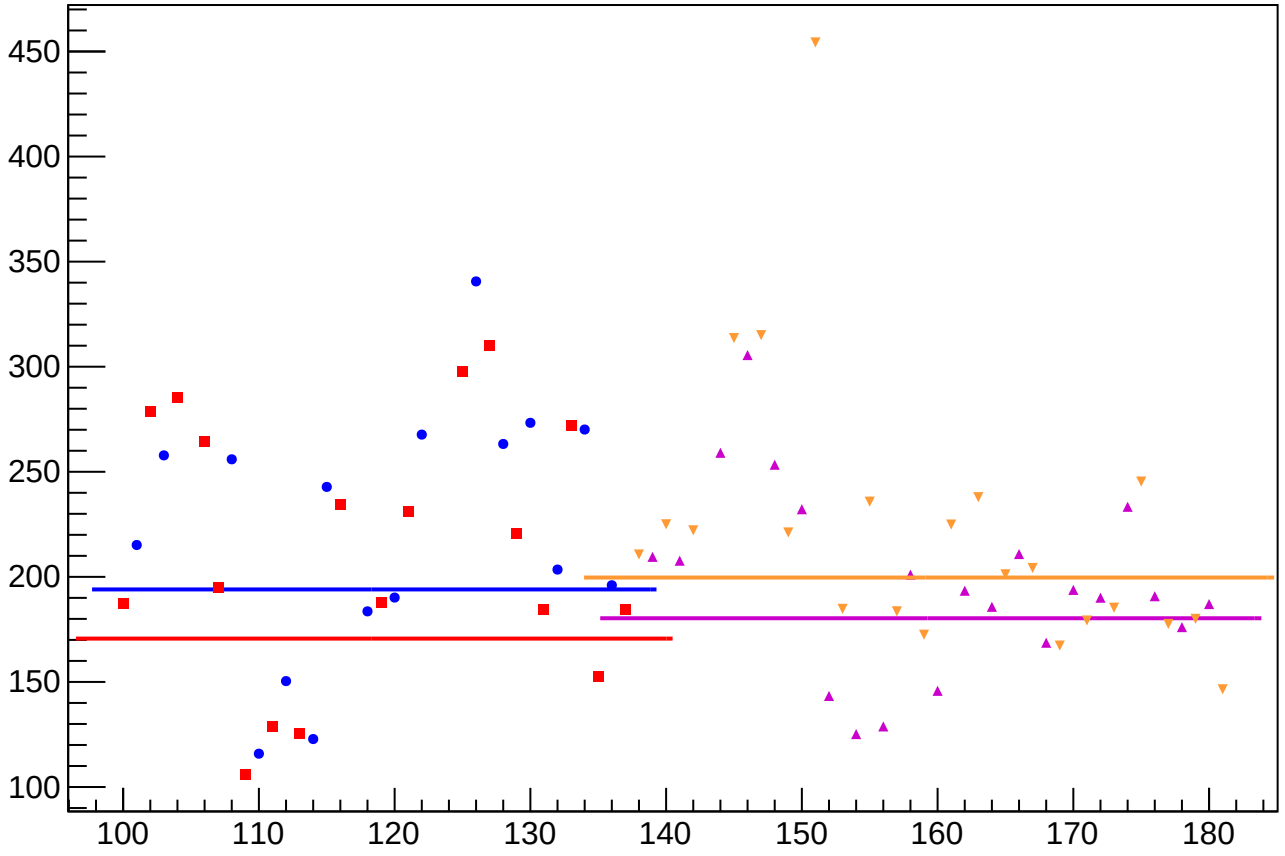
Left In: -117.002+/-45.506 χ^2/NDF:7.2/20

+ sign 72.151+/-41.510 χ^2/NDF: 26.3/37

All: 10.950+/-27.985 χ^2/NDF: 59.6/76

- sign -40.040+/-37.889 χ^2/NDF: 29.3/38

asym_bcm_2an_us_an_ds_avg_rms vs Slug



Right In: 194.017+/-0.054 χ^2/NDF: 1043588.7/15

Left Out: 199.678+/-0.035 χ^2/NDF:1560956.6/21

Right Out: 170.624+/-0.048 χ^2/NDF: 1593735.4/17

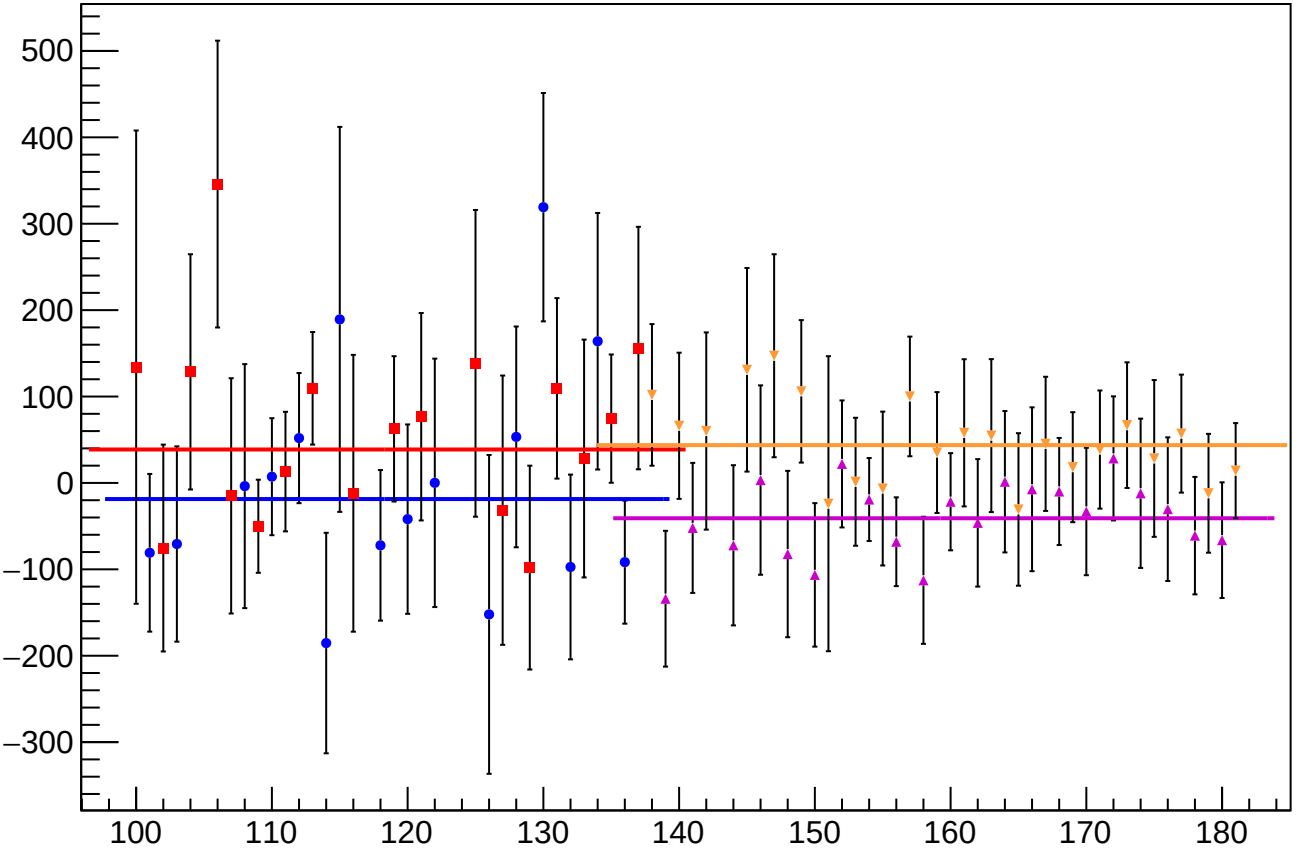
Left In: 180.304+/-0.032 χ^2/NDF:1636613.8/20

\+ sign 198.002+/-0.029 χ^2/NDF: 2612298.4/37

All: 186.728+/-0.020 χ^2/NDF: 6140854.6/76

\- sign 177.334+/-0.027 χ^2/NDF: 3258107.4/38

asym_bcm_2an_us_an_ds_dd_mean vs Slug



Right In: -18.645+/-26.122 χ^2/NDF: 15.2/15

Left Out: 43.772+/-16.903 χ^2/NDF:6.0/21

Right Out: 38.716+/-23.652 χ^2/NDF: 12.6/17

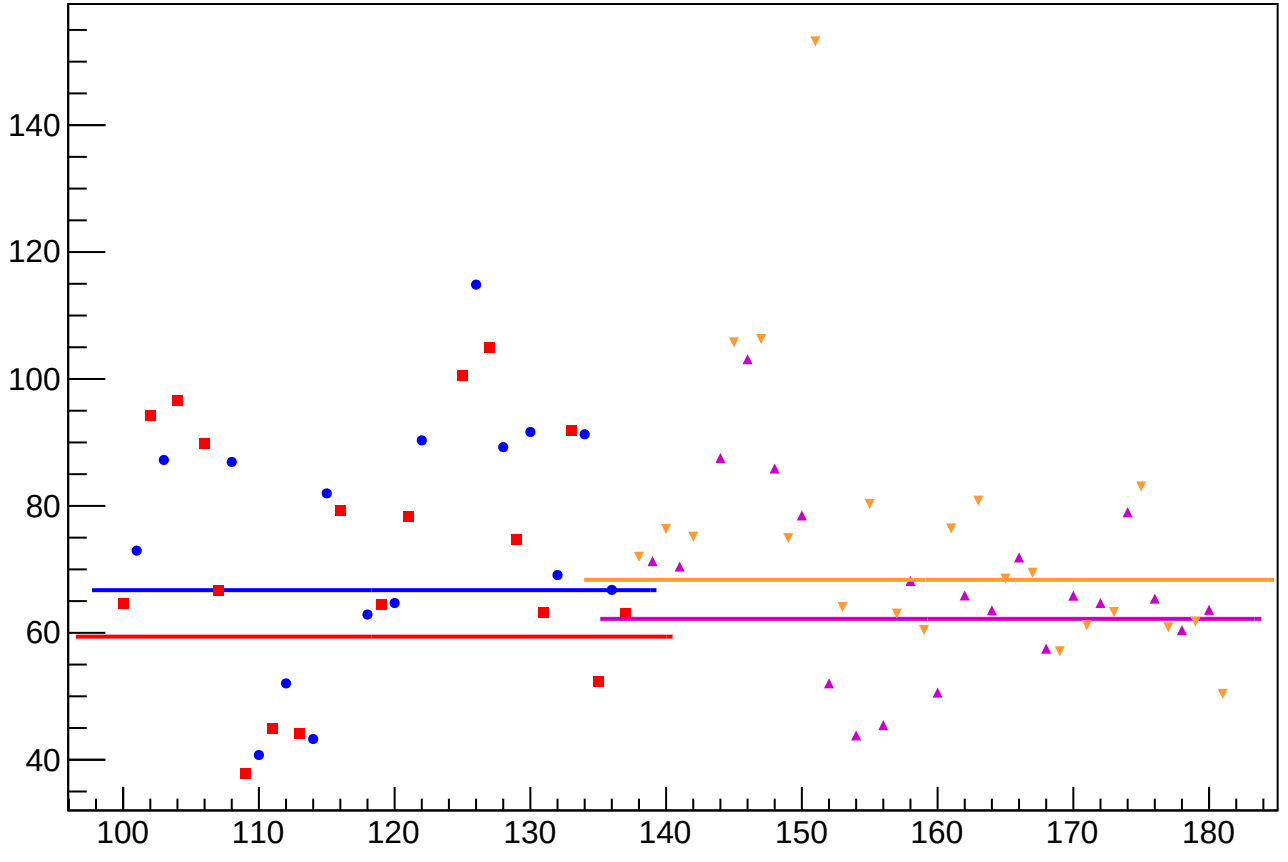
Left In: -40.891+/-15.637 χ^2/NDF:6.7/20

+ sign 25.351+/-14.191 χ^2/NDF: 25.2/37

All: 2.568+/-9.603 χ^2/NDF: 57.2/76

- sign -16.679+/-13.044 χ^2/NDF: 27.2/38

asym_bcm_2an_us_an_ds_dd_rms vs Slug



Right In: 66.724+/-0.018 χ^2/NDF: 947040.2/15

Left Out: 68.350+/-0.012 χ^2/NDF:1486102.5/21

Right Out: 59.400+/-0.017 χ^2/NDF: 1445371.1/17

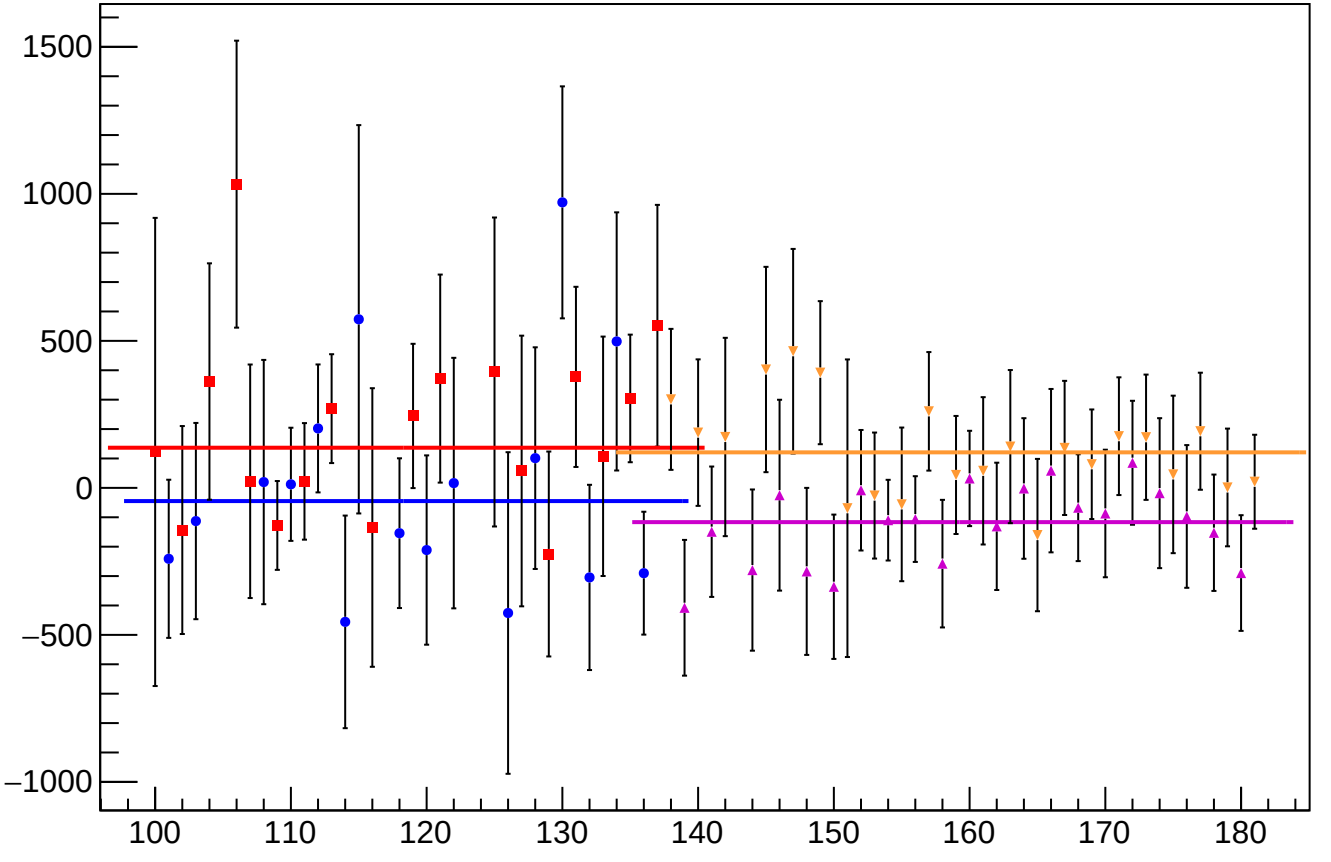
Left In: 62.203+/-0.011 χ^2/NDF:1444665.5/20

+ sign 67.870+/-0.010 χ^2/NDF: 2438603.0/37

All: 64.336+/-0.007 χ^2/NDF: 5577005.7/76

- sign 61.350+/-0.009 χ^2/NDF: 2909570.2/38

asym_bcm_an_us_an_ds_avg_mean vs Slug



Right In: -44.917+/-76.198 χ^2/NDF: 15.5/15

Left Out: 120.803+/-49.434 χ^2/NDF:7.6/21

Right Out: 136.579+/-68.322 χ^2/NDF: 12.9/17

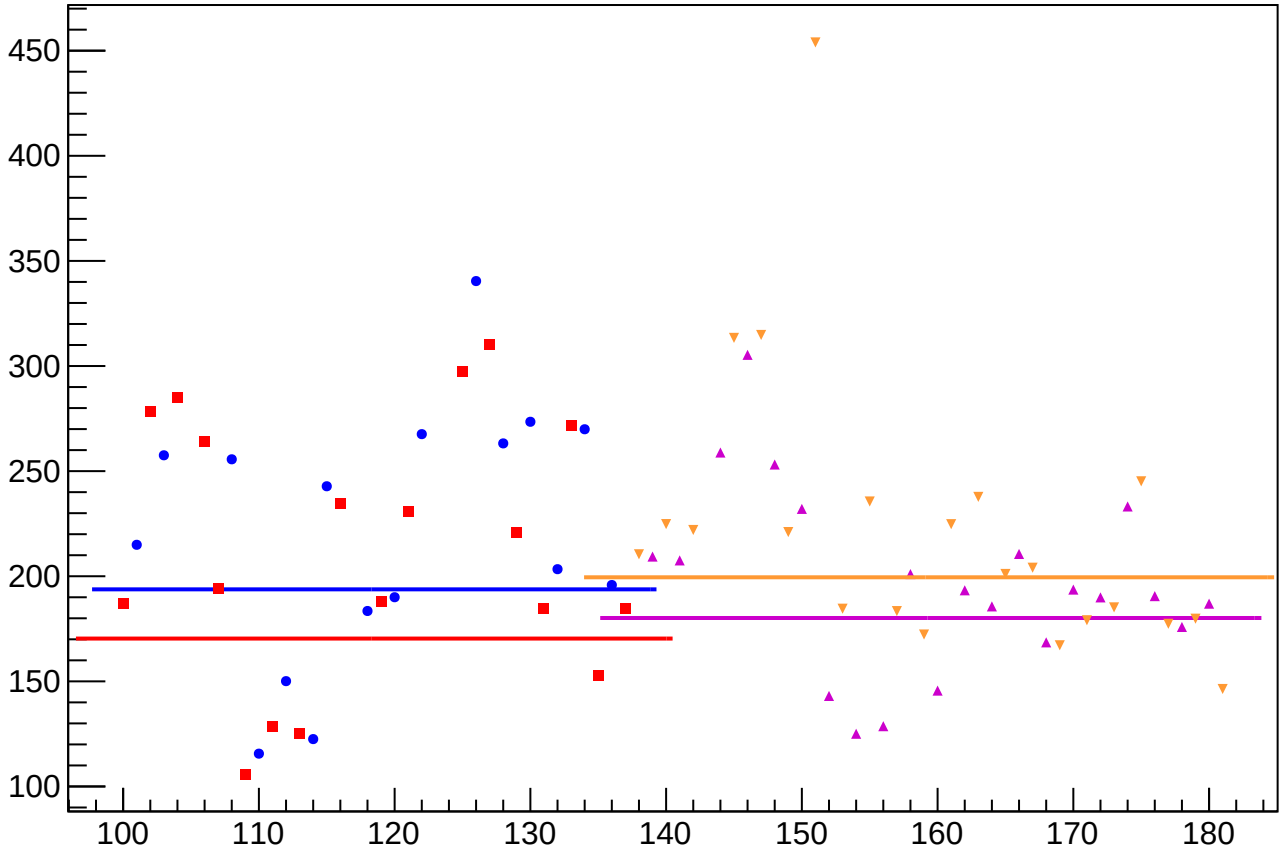
Left In: -116.522+/-45.467 χ^2/NDF:7.4/20

+ sign 71.715+/-41.471 χ^2/NDF: 26.4/37

All: 11.404+/-27.957 χ^2/NDF: 60.0/76

- sign -38.838+/-37.851 χ^2/NDF: 29.7/38

asym_bcm_an_us_an_ds_avg_rms vs Slug



Right In: 193.768+/-0.054 χ^2/NDF: 1048095.1/15

Left Out: 199.500+/-0.035 χ^2/NDF:1561906.5/21

Right Out: 170.358+/-0.048 χ^2/NDF: 1599025.1/17

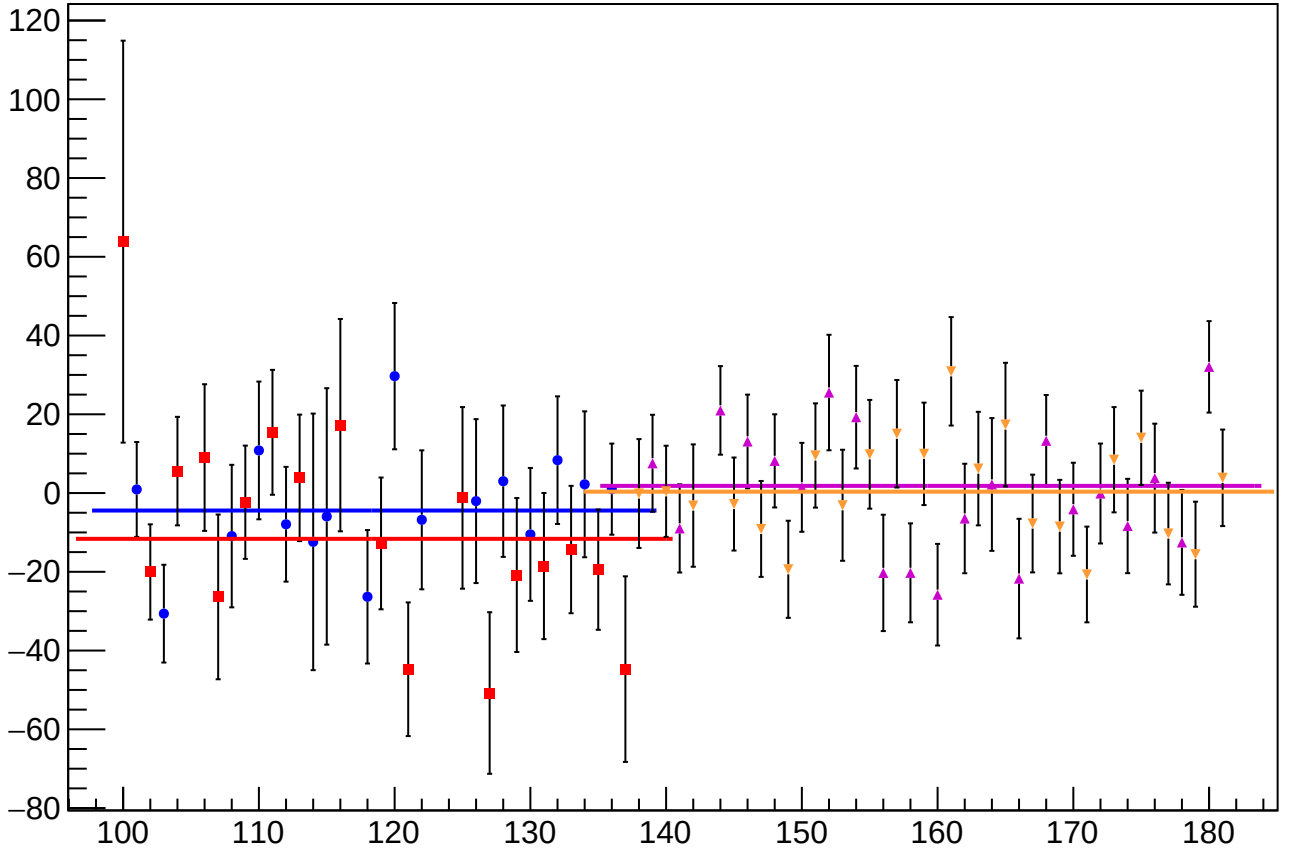
Left In: 180.140+/-0.032 χ^2/NDF:1638846.4/20

\+ sign 197.802+/-0.029 χ^2/NDF: 2617967.0/37

All: 186.529+/-0.020 χ^2/NDF: 6155151.7/76

\- sign 177.138+/-0.027 χ^2/NDF: 3266290.0/38

asym_bcm_an_us_an_ds_dd_mean vs Slug



Right In: -4.440+/-4.131 χ^2/NDF: 12.0/15

Left Out: 0.349+/-2.774 χ^2/NDF:20.1/21

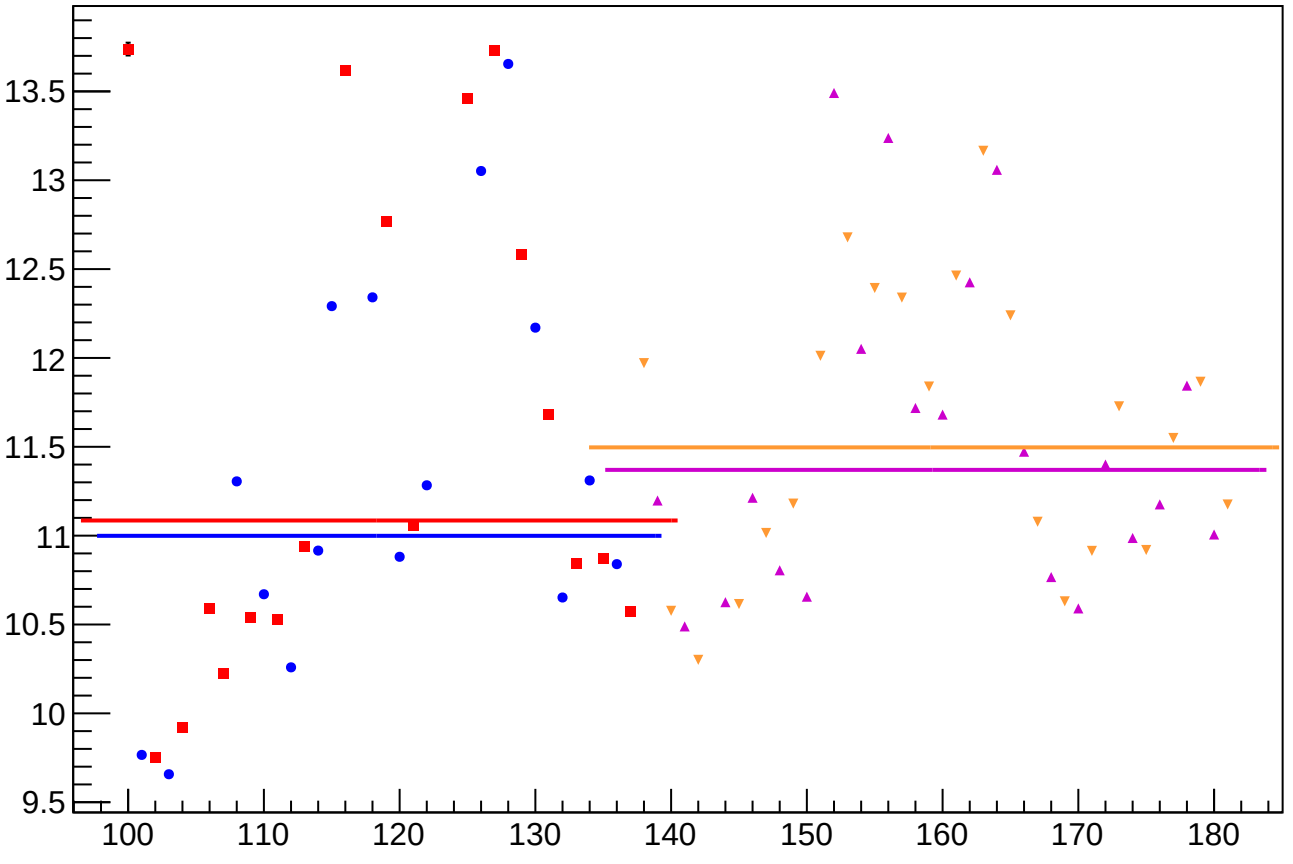
Right Out: -11.627+/-4.137 χ^2/NDF: 21.6/17

Left In: 1.822+/-2.762 χ^2/NDF:32.2/20

+ sign -1.139+/-2.303 χ^2/NDF: 33.0/37

All: -1.734+/-1.626 χ^2/NDF: 94.3/76

- sign -2.326+/-2.297 χ^2/NDF: 61.2/38



Right In: 10.999+/-0.003 χ^2/NDF: 136159.2/15

Left Out: 11.497+/-0.002 χ^2/NDF:143790.4/21

Right Out: 11.085+/-0.003 χ^2/NDF: 162204.2/17

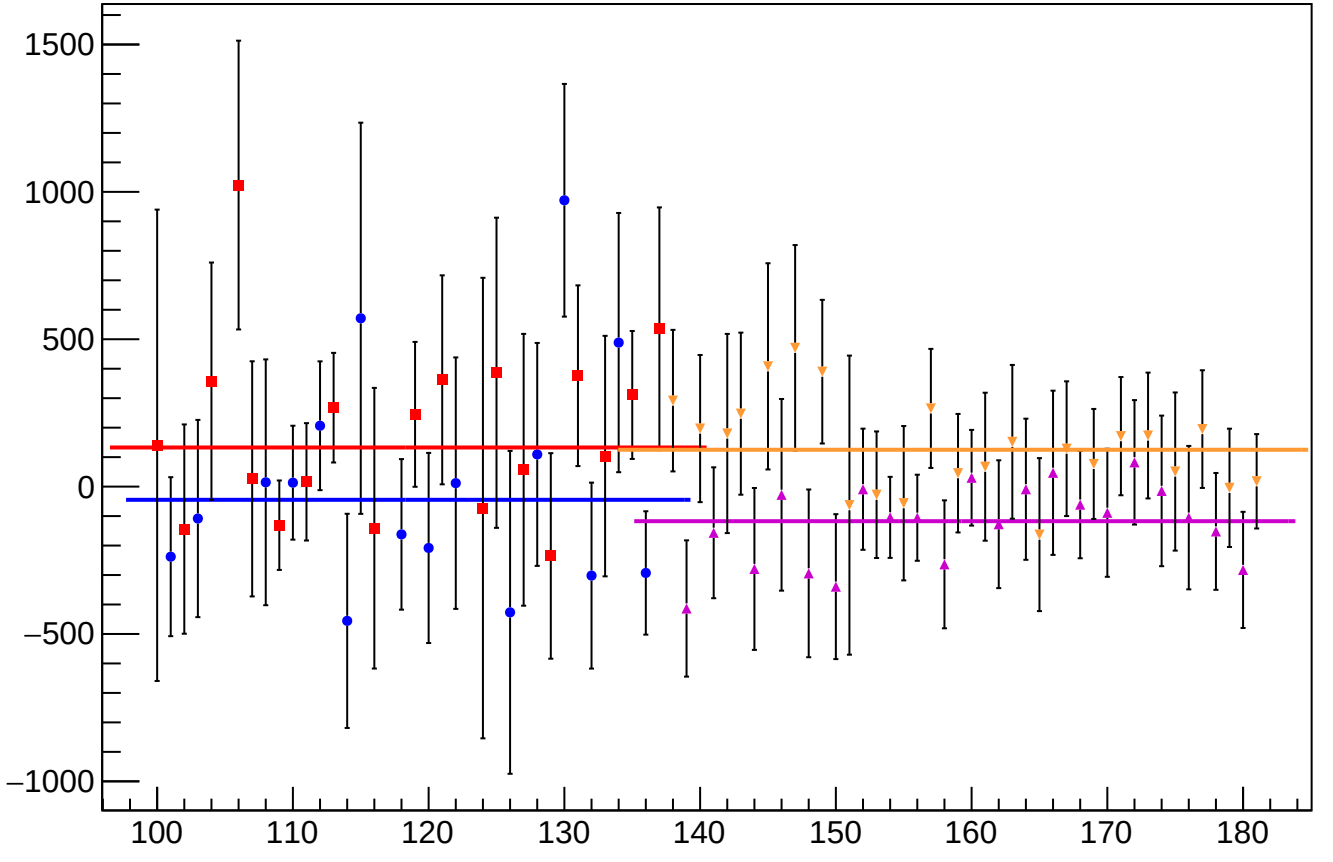
Left In: 11.370+/-0.002 χ^2/NDF:169112.6/20

+ sign 11.342+/-0.002 χ^2/NDF: 299960.0/37

All: 11.312+/-0.001 χ^2/NDF: 638510.4/76

- sign 11.282+/-0.002 χ^2/NDF: 337875.2/38

asym_bcm_an_us_an_ds3_avg_mean vs Slug



Right In: -44.797+/-76.424 χ^2/NDF: 15.4/15

Left Out: 125.039+/-48.743 χ^2/NDF:7.9/22

Right Out: 132.730+/-68.270 χ^2/NDF: 12.9/18

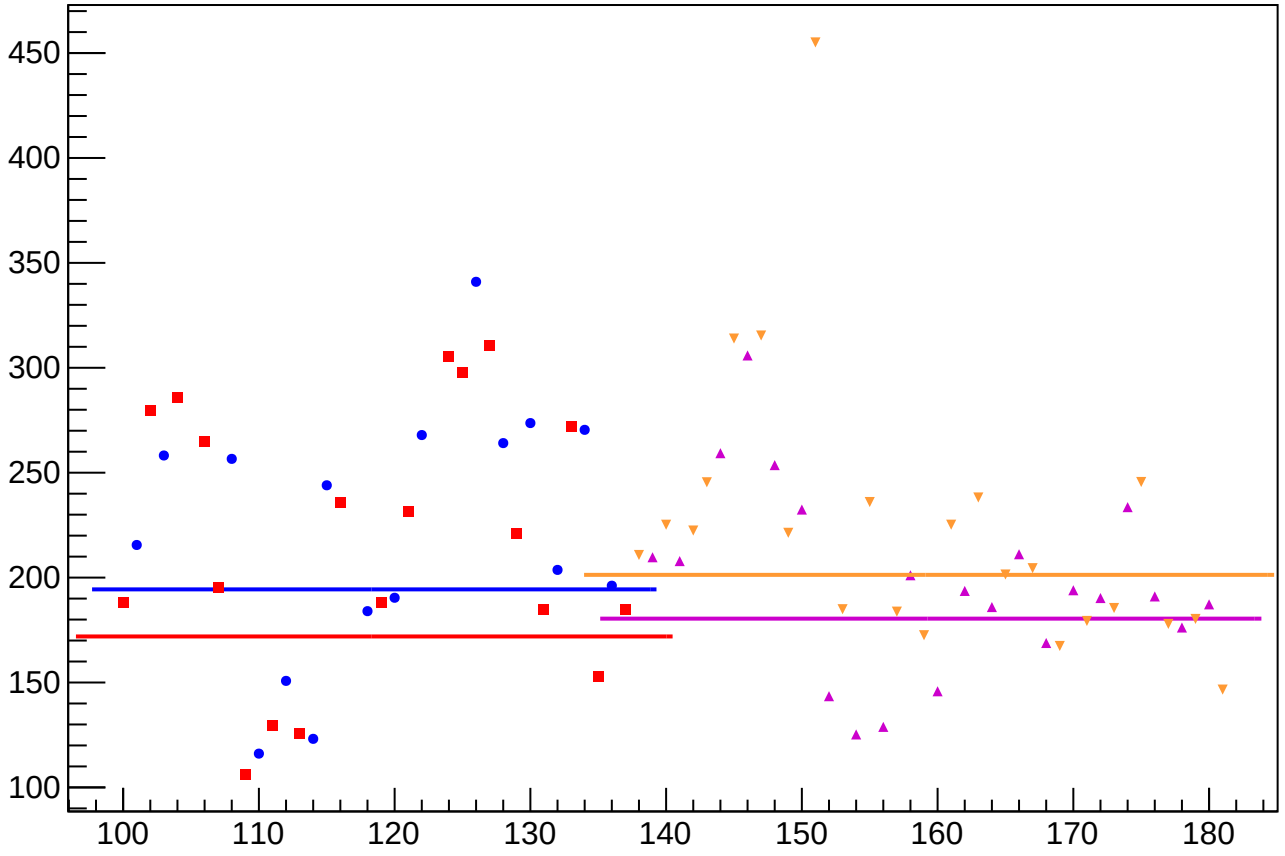
Left In: -117.331+/-45.543 χ^2/NDF:7.3/20

+ sign 75.929+/-41.096 χ^2/NDF: 26.8/38

All: 13.088+/-27.855 χ^2/NDF: 60.6/78

- sign -40.319+/-37.886 χ^2/NDF: 29.5/39

asym_bcm_an_us_an_ds3_avg_rms vs Slug



Right In: 194.385+/-0.054 χ^2/NDF: 1042024.1/15

Left Out: 201.308+/-0.034 χ^2/NDF:1615284.1/22

Right Out: 171.949+/-0.048 χ^2/NDF: 1651343.7/18

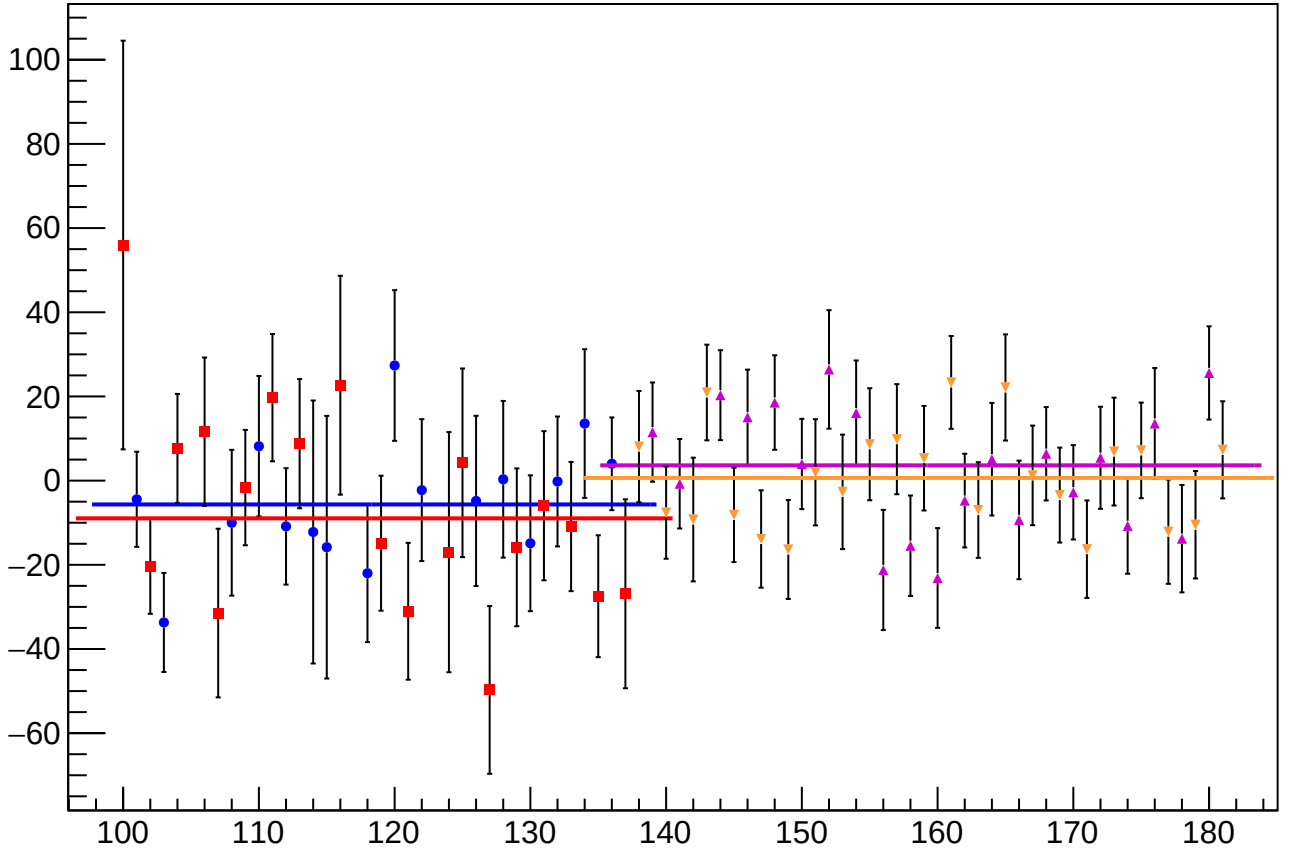
Left In: 180.440+/-0.032 χ^2/NDF:1639362.3/20

\+ sign 199.306+/-0.029 χ^2/NDF: 2668973.9/38

All: 187.694+/-0.020 χ^2/NDF: 6276487.5/78

\- sign 177.825+/-0.027 χ^2/NDF: 3312114.9/39

asym_bcm_an_us_an_ds3_dd_mean vs Slug



Right In: -5.657+/-3.939 χ^2/NDF: 13.7/15

Left Out: 0.645+/-2.520 χ^2/NDF:22.5/22

Right Out: -8.960+/-3.901 χ^2/NDF: 22.8/18

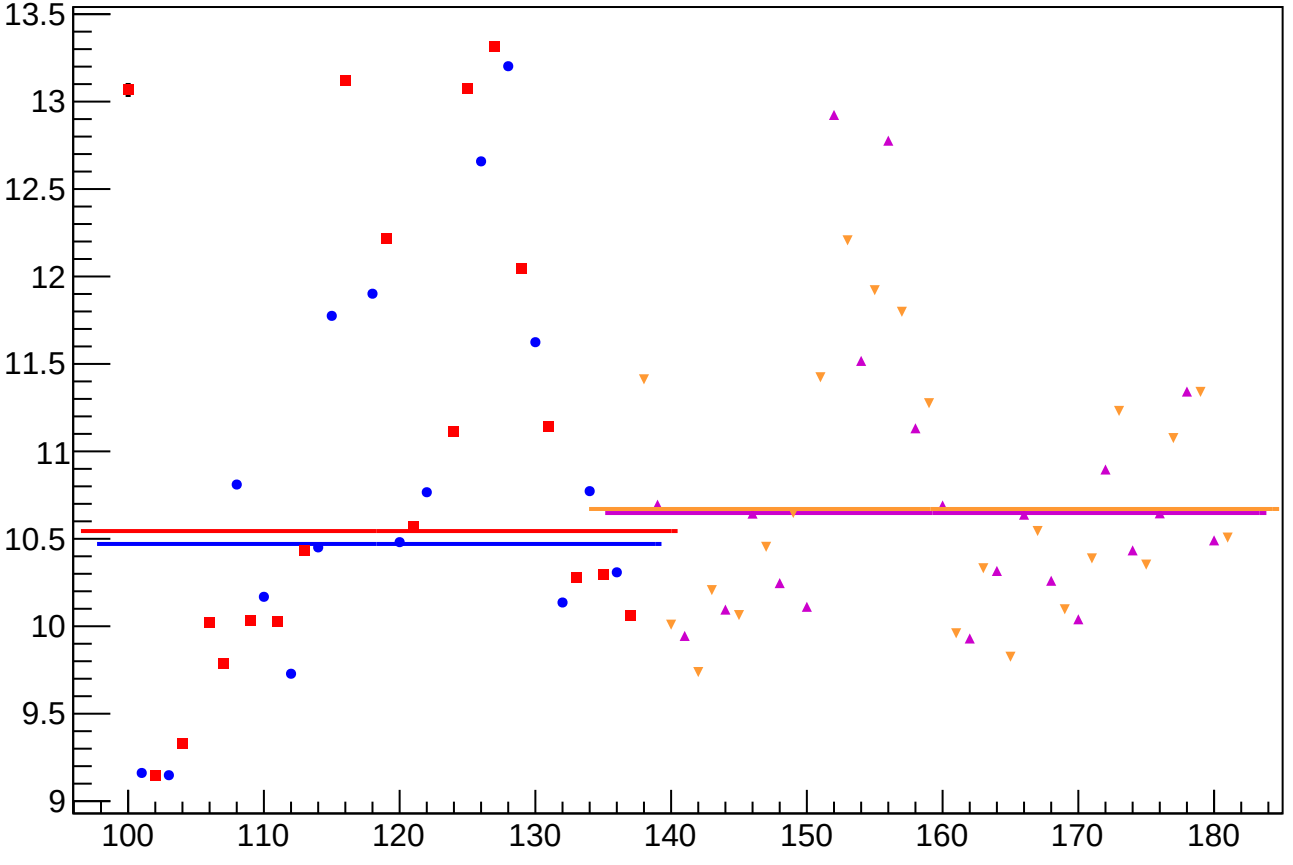
Left In: 3.632+/-2.590 χ^2/NDF:29.9/20

\+ sign -1.185+/-2.123 χ^2/NDF: 38.0/38

All: -0.711+/-1.513 χ^2/NDF: 98.0/78

\- sign -0.221+/-2.158 χ^2/NDF: 60.0/39

asym_bcm_an_us_an_ds3_dd_rms vs Slug



Right In: 10.471+/-0.003 χ^2/NDF: 157365.8/15

Left Out: 10.671+/-0.002 χ^2/NDF:140550.1/22

Right Out: 10.544+/-0.003 χ^2/NDF: 186780.3/18

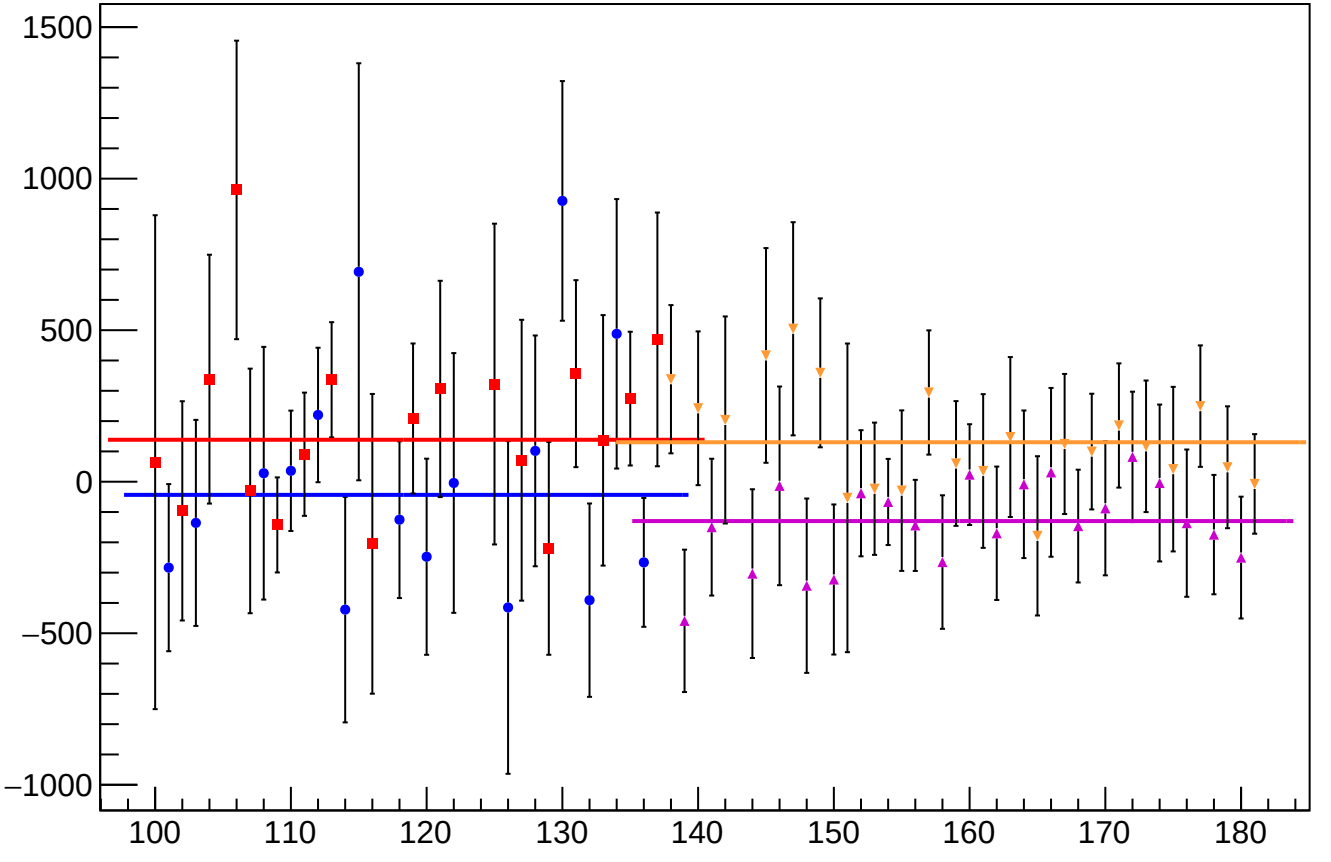
Left In: 10.647+/-0.002 χ^2/NDF:157126.8/20

+ sign 10.613+/-0.002 χ^2/NDF: 301575.1/38

All: 10.614+/-0.001 χ^2/NDF: 646453.3/78

- sign 10.616+/-0.002 χ^2/NDF: 344875.7/39

asym_bcm_dg_us_dg_ds_avg_mean vs Slug



Right In: -43.384+/-77.584 χ^2/NDF: 15.5/15

Left Out: 130.238+/-50.265 χ^2/NDF:8.3/21

Right Out: 138.455+/-69.833 χ^2/NDF: 11.5/17

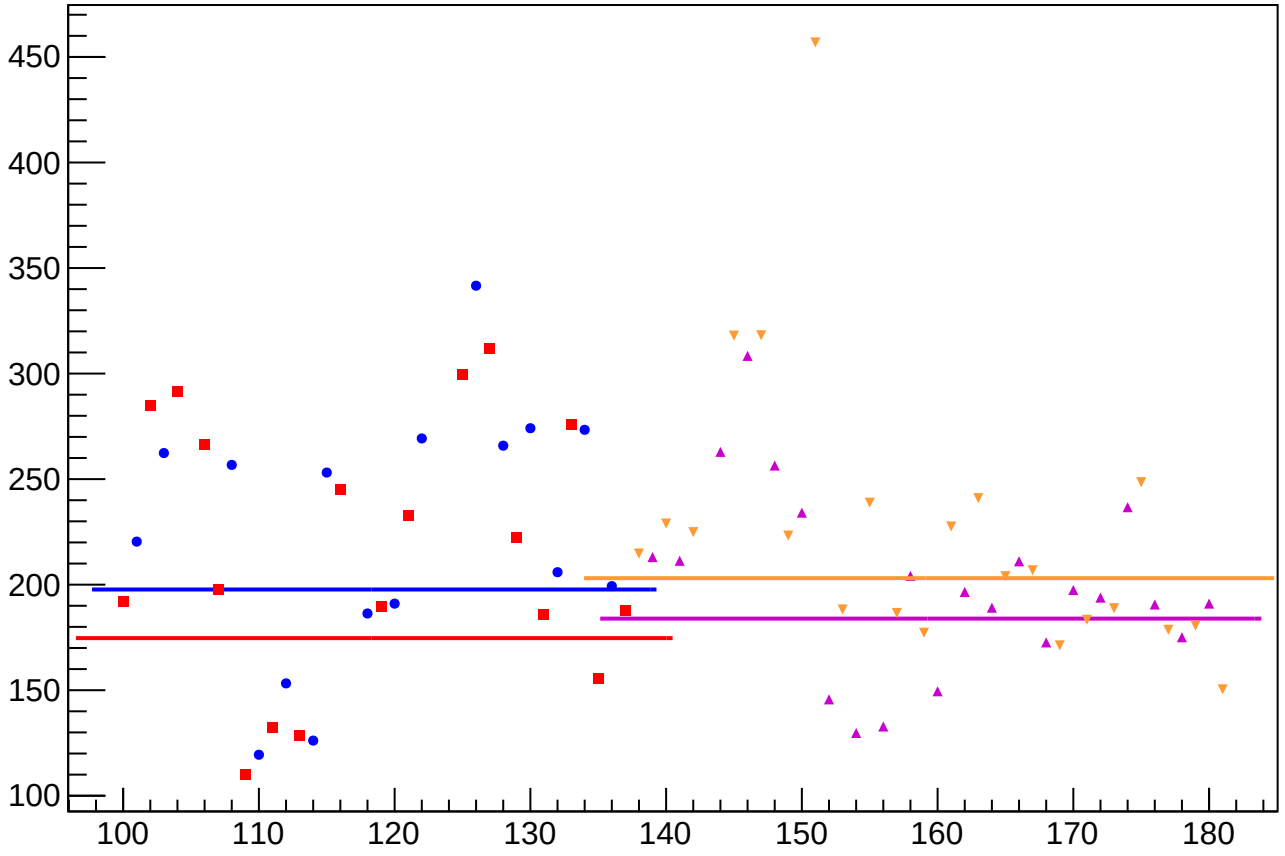
Left In: -129.840+/-46.336 χ^2/NDF:7.5/20

+ sign 78.908+/-42.185 χ^2/NDF: 27.3/37

All: 9.942+/-28.481 χ^2/NDF: 61.5/76

- sign -47.828+/-38.610 χ^2/NDF: 29.3/38

asym_bcm_dg_us_dg_ds_avg_rms vs Slug



Right In: 197.707+/-0.055 χ^2/NDF: 1000324.6/15

Left Out: 203.072+/-0.036 χ^2/NDF:1518208.2/21

Right Out: 174.679+/-0.049 χ^2/NDF: 1534751.1/17

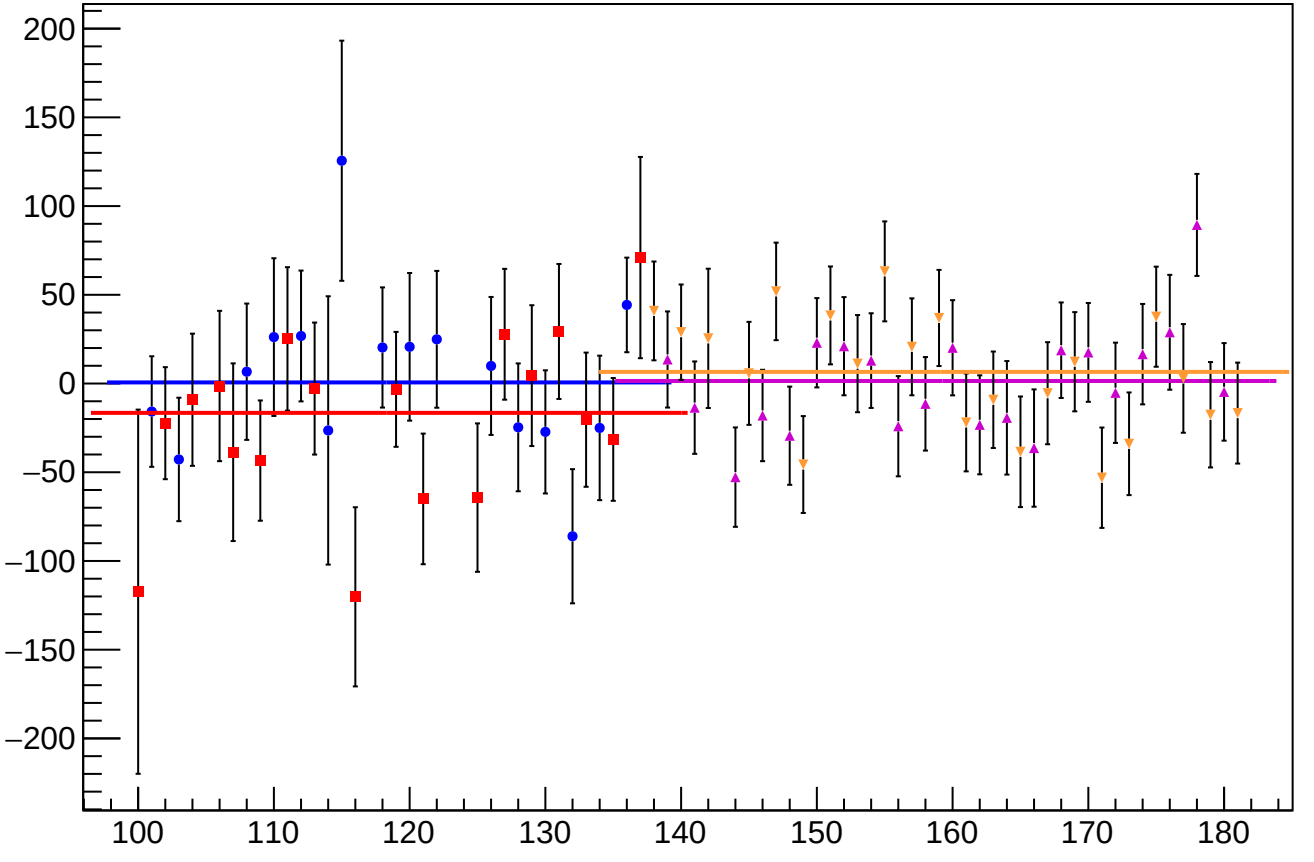
Left In: 183.915+/-0.033 χ^2/NDF:1548168.2/20

+ sign 201.486+/-0.030 χ^2/NDF: 2525268.7/37

All: 190.388+/-0.020 χ^2/NDF: 5886847.1/76

- sign 181.092+/-0.027 χ^2/NDF: 3107210.8/38

asym_bcm_dg_us_dg_ds_dd_mean vs Slug



Right In: 0.619+/-9.421 χ^2/NDF: 16.7/15

Left Out: 6.561+/-6.073 χ^2/NDF:28.4/21

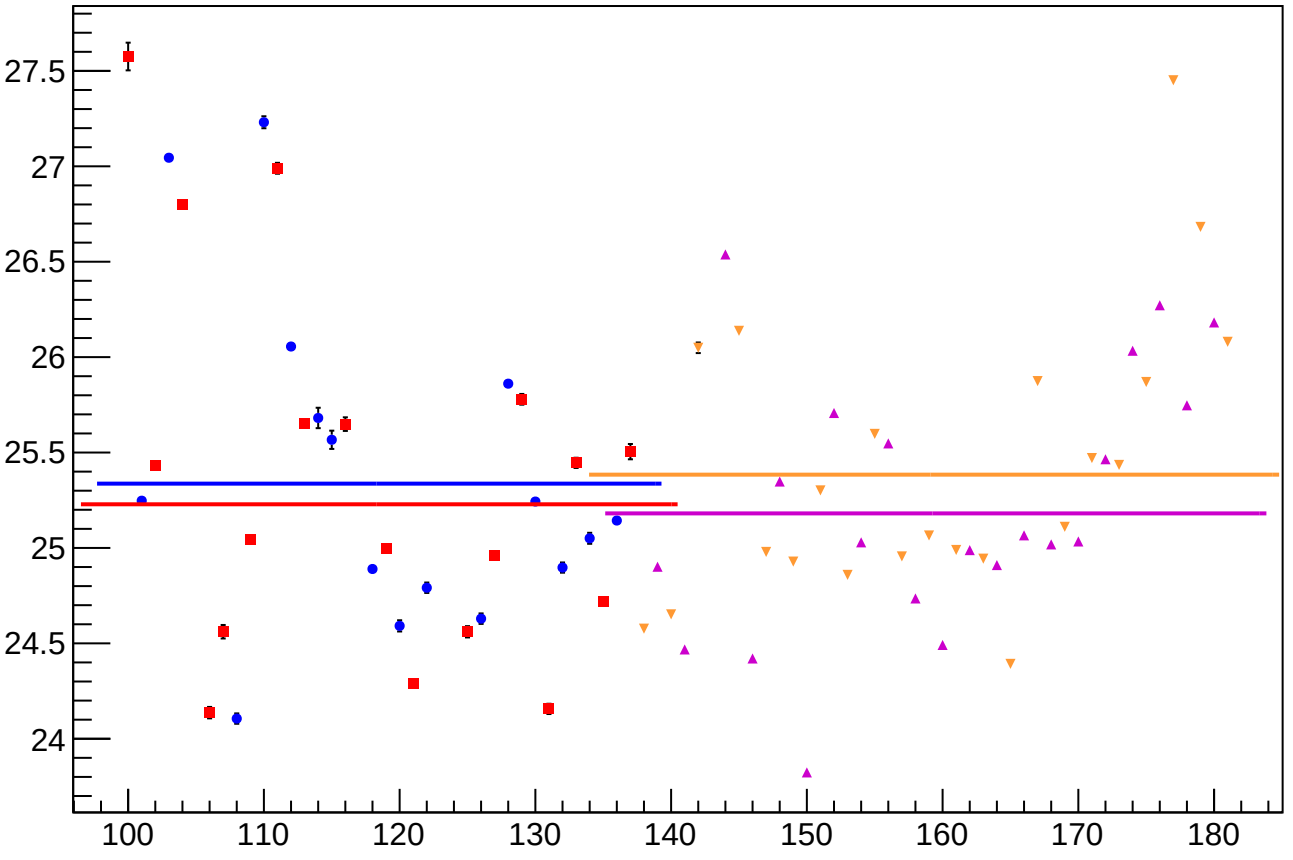
Right Out: -16.534+/-9.307 χ^2/NDF: 16.4/17

Left In: 1.432+/-6.070 χ^2/NDF:22.8/20

+ sign 4.817+/-5.104 χ^2/NDF: 45.5/37

All: 0.426+/-3.602 χ^2/NDF: 88.7/76

- sign -3.930+/-5.084 χ^2/NDF: 41.8/38



Right In: 25.337+/-0.007 χ^2/NDF: 14315.0/15

Left Out: 25.384+/-0.004 χ^2/NDF:26205.6/21

Right Out: 25.229+/-0.007 χ^2/NDF: 15176.1/17

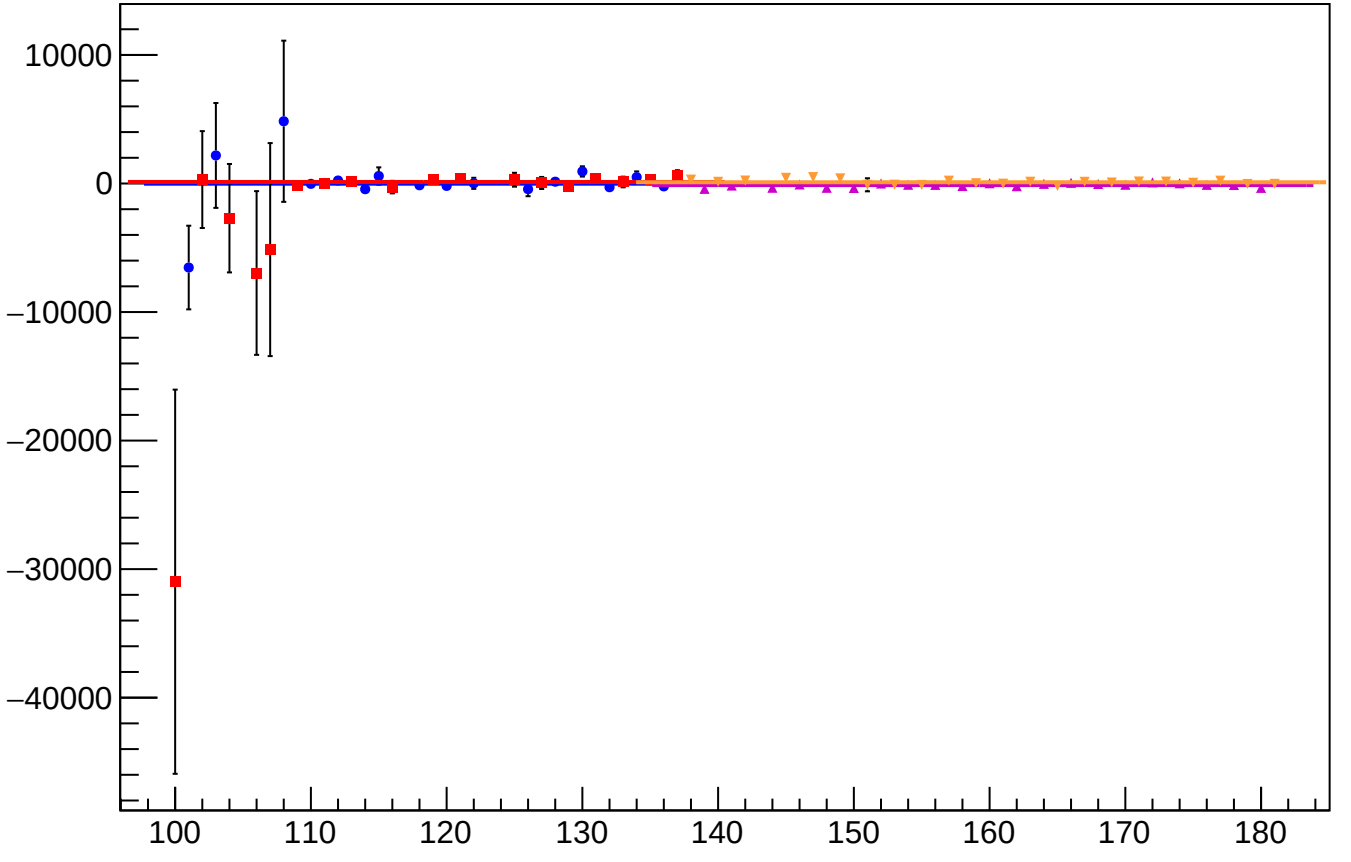
Left In: 25.181+/-0.004 χ^2/NDF:25167.7/20

+ sign 25.370+/-0.004 χ^2/NDF: 40555.9/37

All: 25.282+/-0.003 χ^2/NDF: 82116.0/76

- sign 25.195+/-0.004 χ^2/NDF: 40380.7/38

asym_bcm_cav4cQ_an_ds_avg_mean vs Slug



Right In: -13.160+/-84.454 χ^2/NDF: 18.3/15

Left Out: 97.168+/-49.944 χ^2/NDF:9.5/21

Right Out: 119.984+/-78.247 χ^2/NDF: 14.4/17

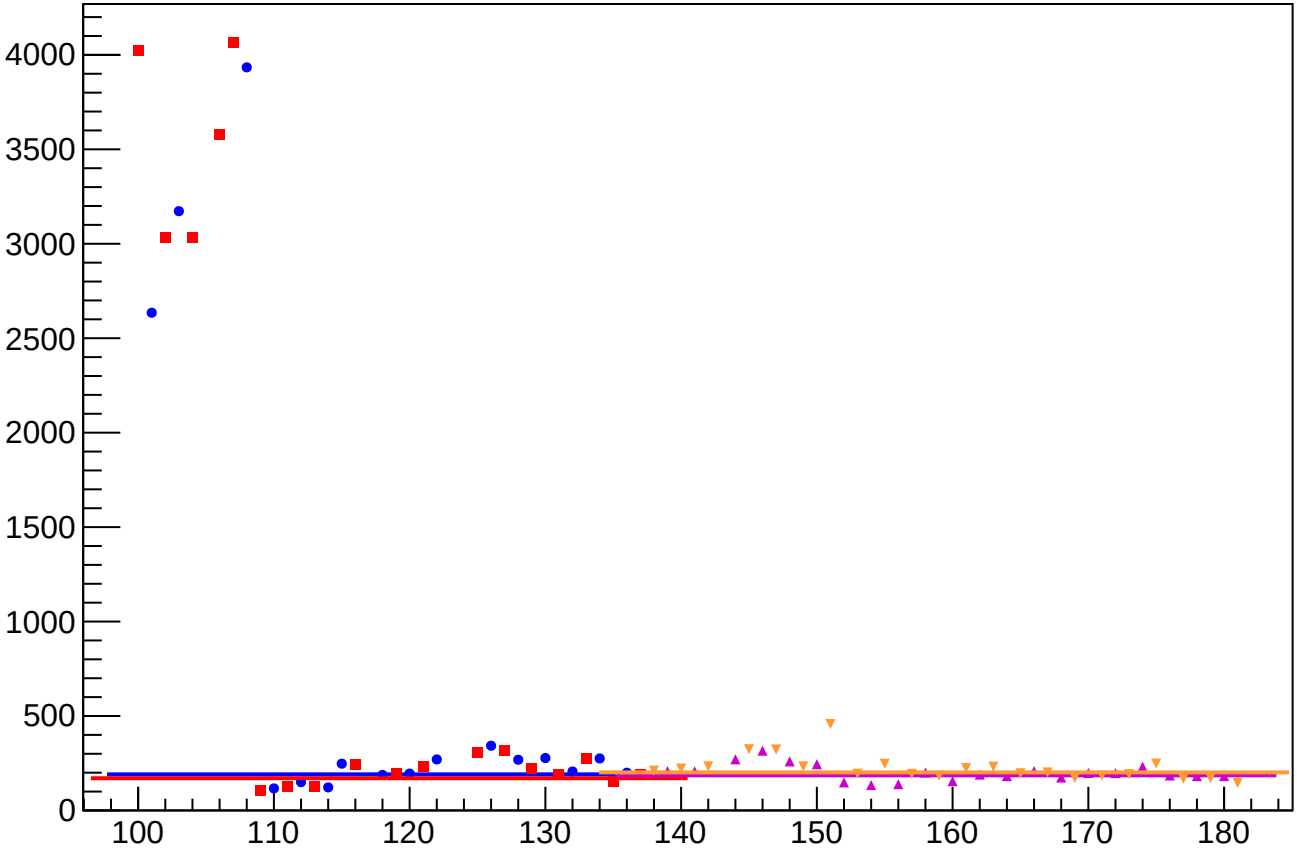
Left In: -121.757+/-46.715 χ^2/NDF:8.1/20

+ sign 68.581+/-42.989 χ^2/NDF: 29.1/37

All: 0.786+/-29.327 χ^2/NDF: 63.3/76

- sign -58.234+/-40.110 χ^2/NDF: 29.5/38

asym_bcm_cav4cQ_an_ds_avg_rms vs Slug



Right In: 191.070+/-0.060 χ^2/NDF: 3833952.4/15

Left Out: 201.477+/-0.035 χ^2/NDF:1640041.7/21

Right Out: 170.494+/-0.055 χ^2/NDF: 4254820.8/17

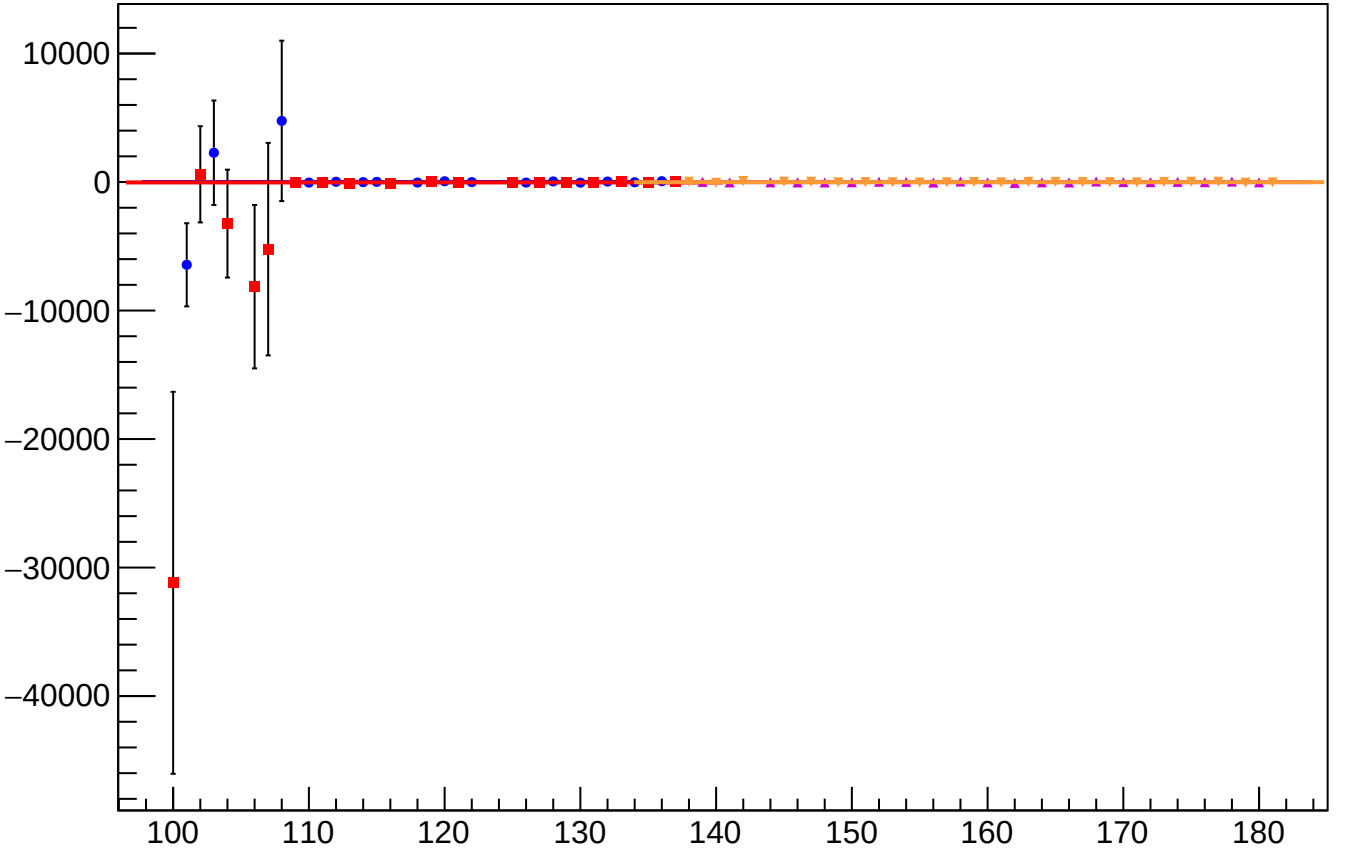
Left In: 185.888+/-0.033 χ^2/NDF:1406613.2/20

+ sign 198.780+/-0.030 χ^2/NDF: 5496494.6/37

All: 189.725+/-0.021 χ^2/NDF: 11380977.1/76

- sign 181.842+/-0.028 χ^2/NDF: 5718502.1/38

asym_bcm_cav4cQ_an_ds_dd_mean vs Slug



Right In: 6.490+/-11.764 χ^2/NDF: 18.3/15

Left Out: -9.407+/-6.850 χ^2/NDF:15.9/21

Right Out: -30.740+/-12.084 χ^2/NDF: 19.9/17

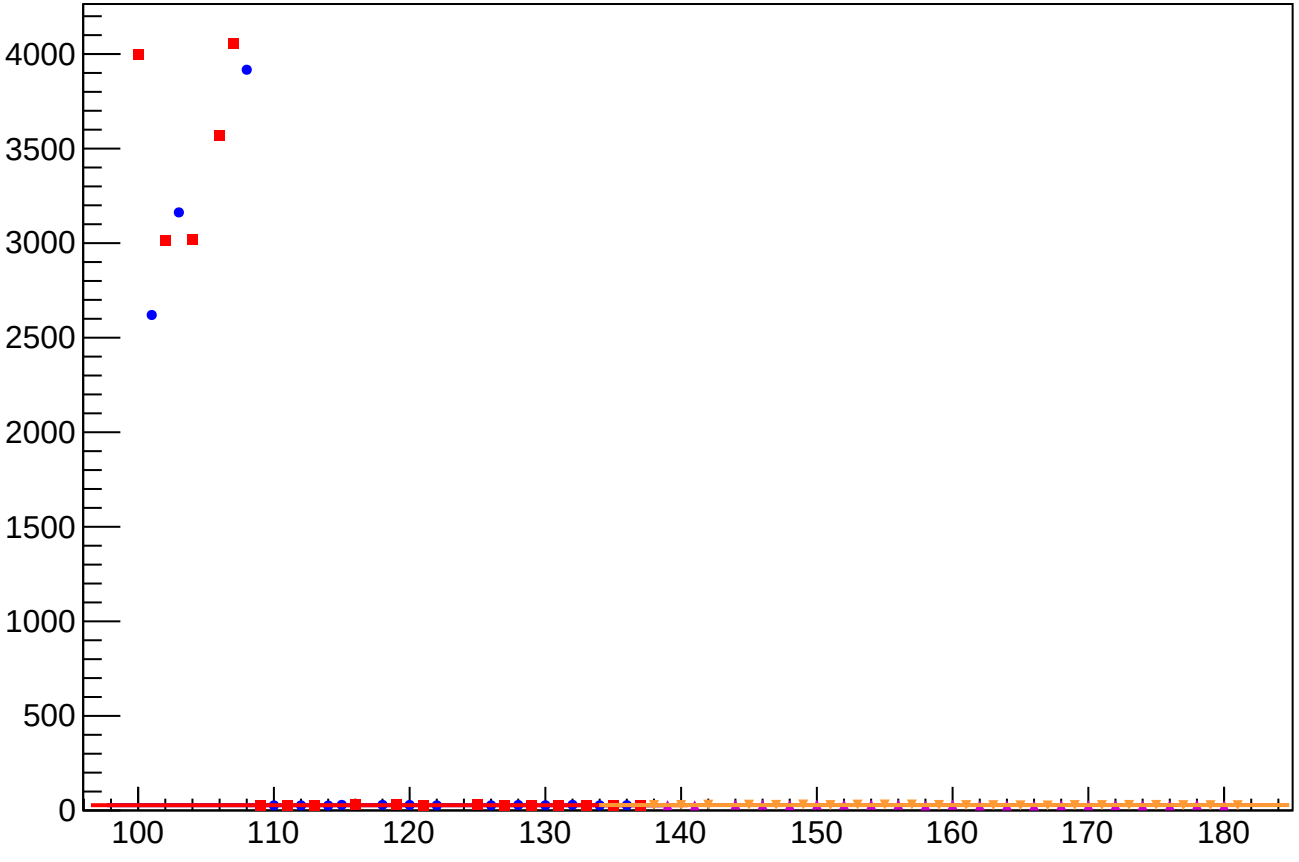
Left In: -5.610+/-6.939 χ^2/NDF:18.6/20

+ sign -5.381+/-5.920 χ^2/NDF: 35.6/37

All: -8.559+/-4.220 χ^2/NDF: 77.9/76

- sign -11.842+/-6.018 χ^2/NDF: 41.7/38

asym_bcm_cav4cQ_an_ds_dd_rms vs Slug



Right In: 27.825+/-0.008 χ^2/NDF: 3265895.3/15

Left Out: 28.594+/-0.005 χ^2/NDF:80995.9/21

Right Out: 27.778+/-0.009 χ^2/NDF: 3558398.6/17

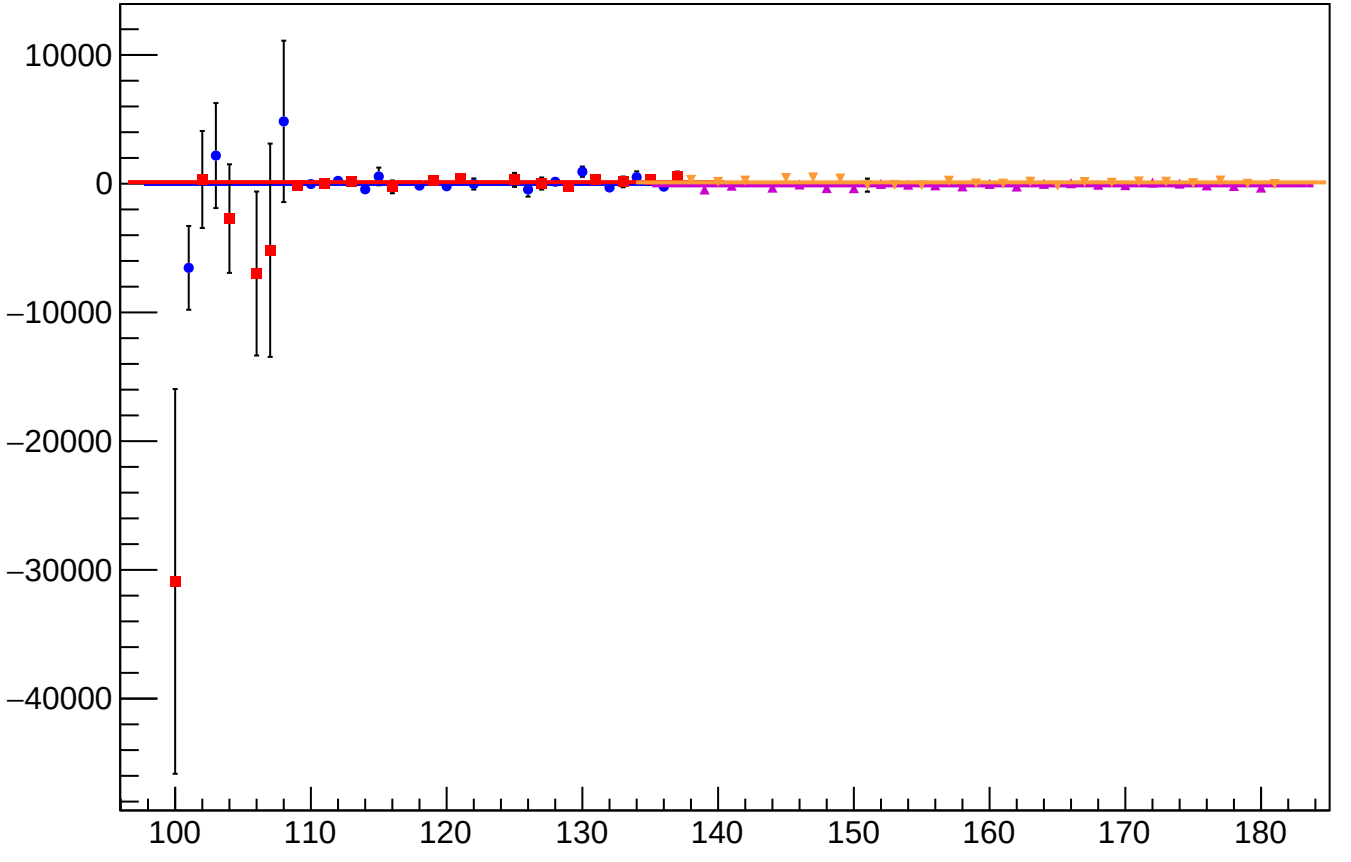
Left In: 28.716+/-0.005 χ^2/NDF:127183.7/20

+ sign 28.399+/-0.004 χ^2/NDF: 3353269.8/37

All: 28.440+/-0.003 χ^2/NDF: 7048100.5/76

- sign 28.483+/-0.004 χ^2/NDF: 3694632.0/38

asym_bcm_cav4cQ_dg_ds_avg_mean vs Slug



Right In: -19.522+/-85.063 χ^2/NDF: 18.2/15

Left Out: 103.705+/-50.372 χ^2/NDF:9.3/21

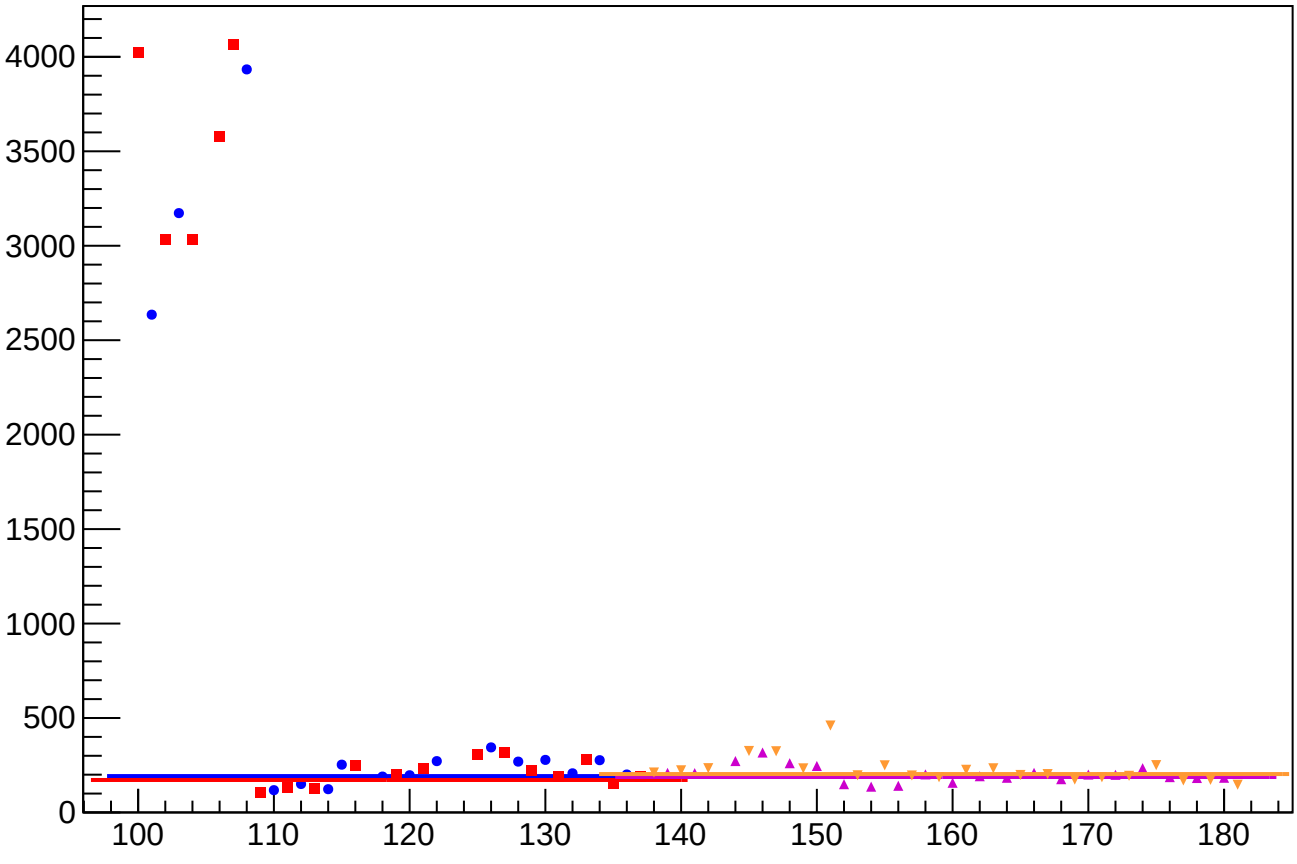
Right Out: 121.544+/-78.844 χ^2/NDF: 13.2/17

Left In: -131.380+/-47.144 χ^2/NDF:7.4/20

+ sign 71.712+/-43.343 χ^2/NDF: 29.1/37

All: -1.214+/-29.577 χ^2/NDF: 62.6/76

- sign -64.768+/-40.462 χ^2/NDF: 28.3/38



Right In: 192.560+/-0.060 χ^2/NDF: 3822789.1/15

Left Out: 203.300+/-0.036 χ^2/NDF:1618070.4/21

Right Out: 171.899+/-0.056 χ^2/NDF: 4247800.5/17

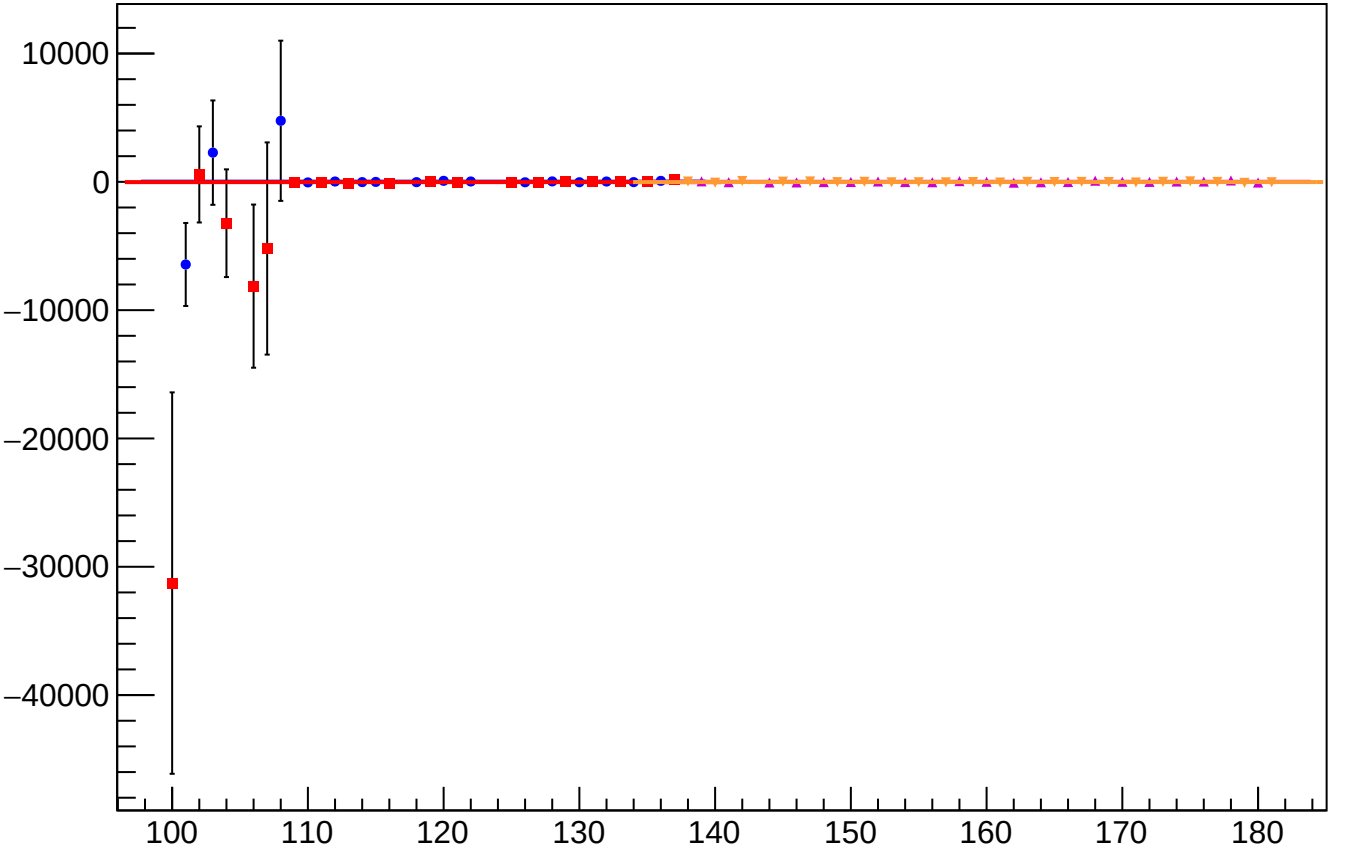
Left In: 187.728+/-0.033 χ^2/NDF:1366568.3/20

+ sign 200.512+/-0.031 χ^2/NDF: 5464465.9/37

All: 191.453+/-0.021 χ^2/NDF: 11301710.7/76

- sign 183.559+/-0.029 χ^2/NDF: 5673749.6/38

asym_bcm_cav4cQ_dg_ds_dd_mean vs Slug



Right In: 13.713+/-13.062 χ^2/NDF: 15.5/15

Left Out: -16.775+/-7.469 χ^2/NDF:19.0/21

Right Out: -21.906+/-13.382 χ^2/NDF: 28.4/17

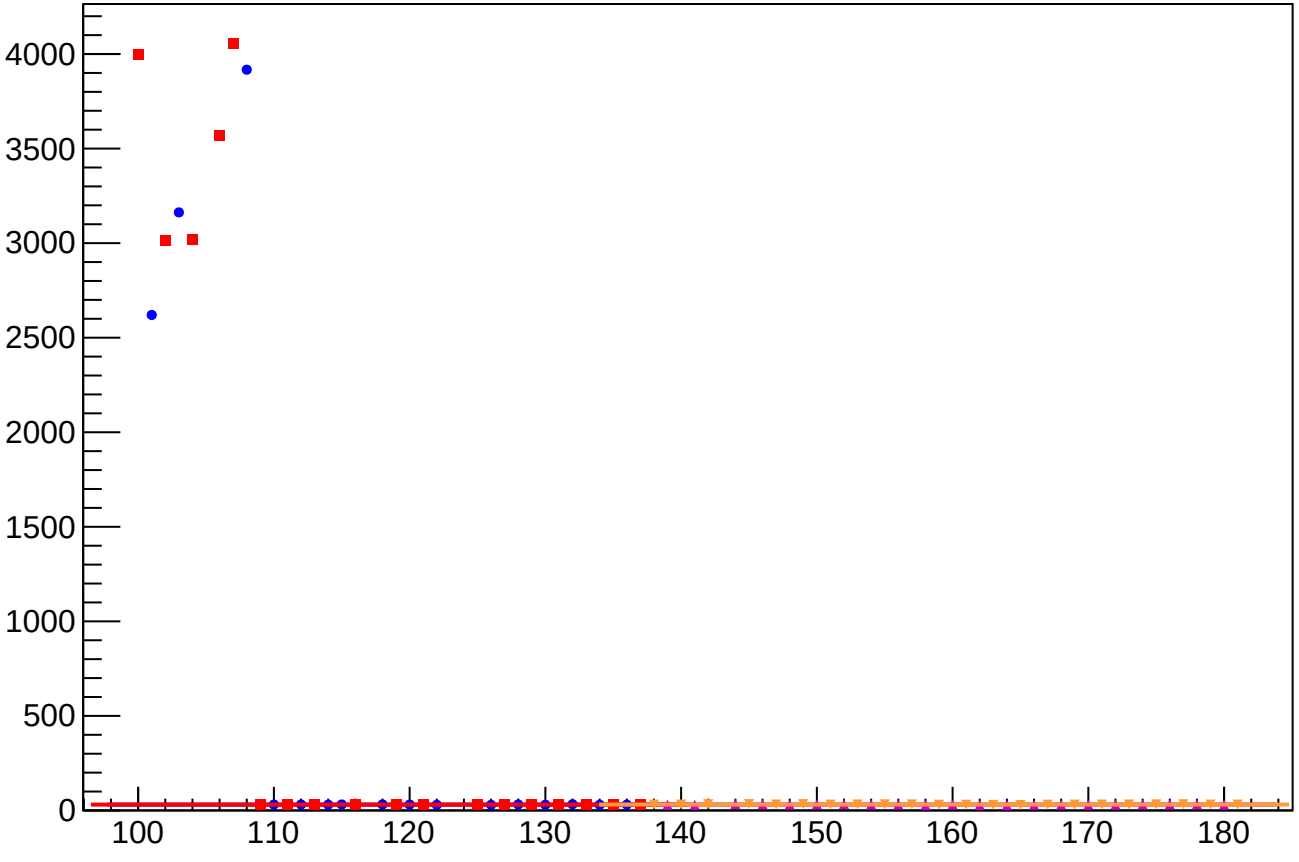
Left In: 1.605+/-7.566 χ^2/NDF:34.9/20

+ sign -9.263+/-6.484 χ^2/NDF: 38.6/37

All: -6.717+/-4.621 χ^2/NDF: 104.5/76

- sign -4.090+/-6.586 χ^2/NDF: 65.6/38

asym_bcm_cav4cQ_dg_ds_dd_rms vs Slug



Right In: 30.928+/-0.009 χ^2/NDF: 3252607.8/15

Left Out: 31.198+/-0.005 χ^2/NDF:46959.1/21

Right Out: 30.804+/-0.009 χ^2/NDF: 3535959.8/17

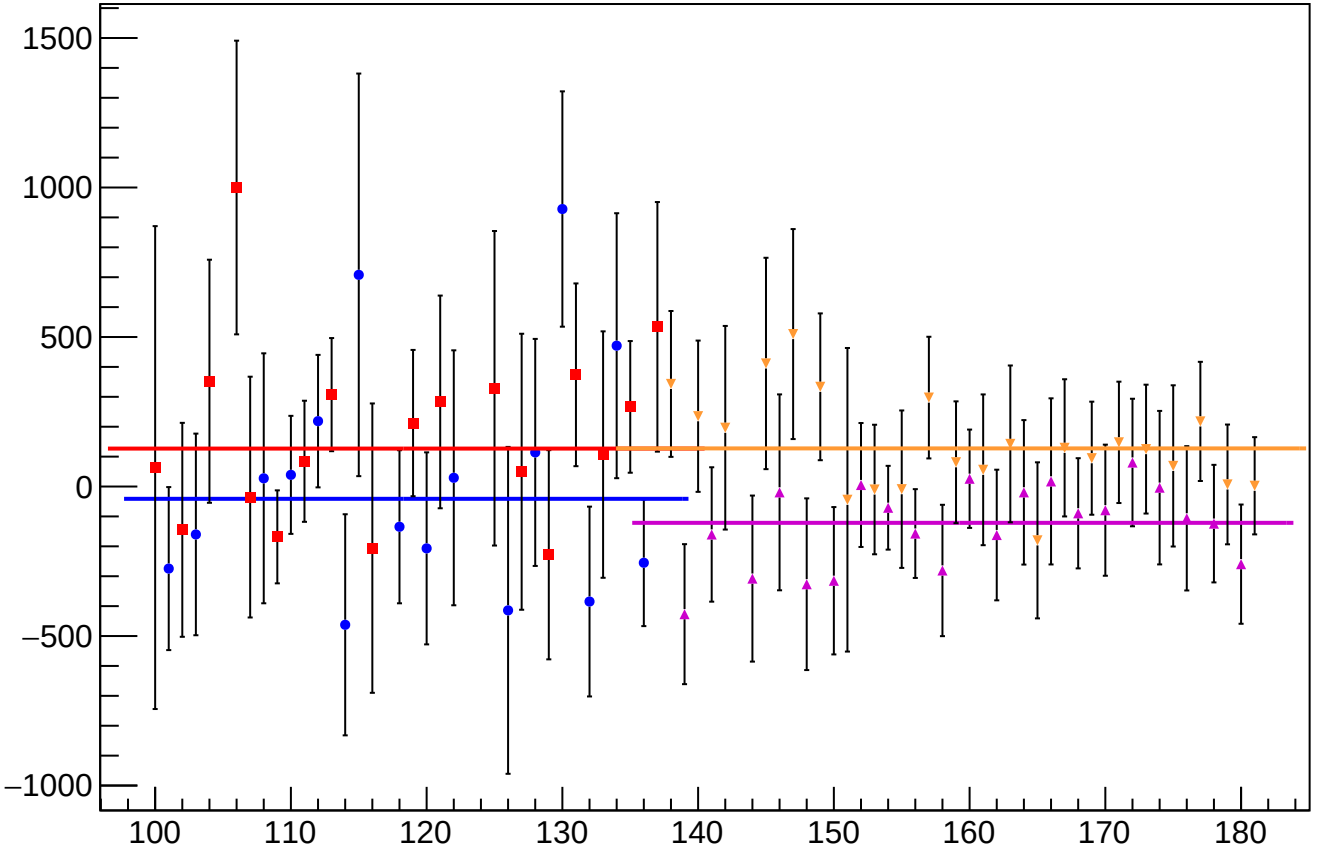
Left In: 31.336+/-0.005 χ^2/NDF:83979.6/20

+ sign 31.132+/-0.005 χ^2/NDF: 3300209.8/37

All: 31.169+/-0.003 χ^2/NDF: 6922673.3/76

- sign 31.207+/-0.005 χ^2/NDF: 3622330.9/38

asym_bcm_dg_us_an_us_avg_mean vs Slug



Right In: -41.114+/-77.139 χ^2/NDF: 15.6/15

Left Out: 127.477+/-49.930 χ^2/NDF:7.8/21

Right Out: 126.896+/-69.382 χ^2/NDF: 12.8/17

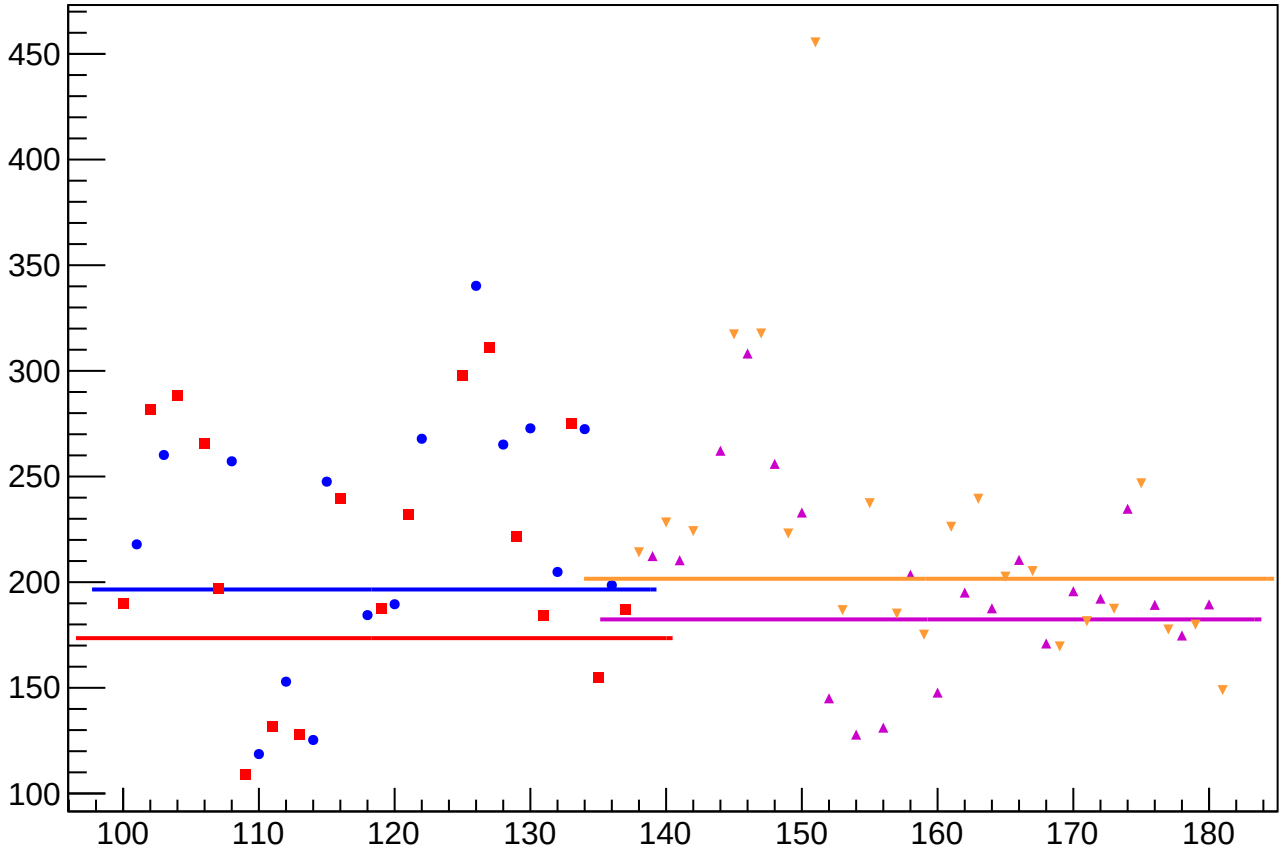
Left In: -121.431+/-45.984 χ^2/NDF:7.4/20

+ sign 77.699+/-41.915 χ^2/NDF: 26.8/37

All: 10.528+/-28.286 χ^2/NDF: 60.6/76

- sign -45.643+/-38.330 χ^2/NDF: 29.1/38

asym_bcm_dg_us_an_us_avg_rms vs Slug



Right In: 196.542+/-0.055 χ^2/NDF: 1000770.4/15

Left Out: 201.614+/-0.035 χ^2/NDF:1543143.1/21

Right Out: 173.509+/-0.049 χ^2/NDF: 1532720.5/17

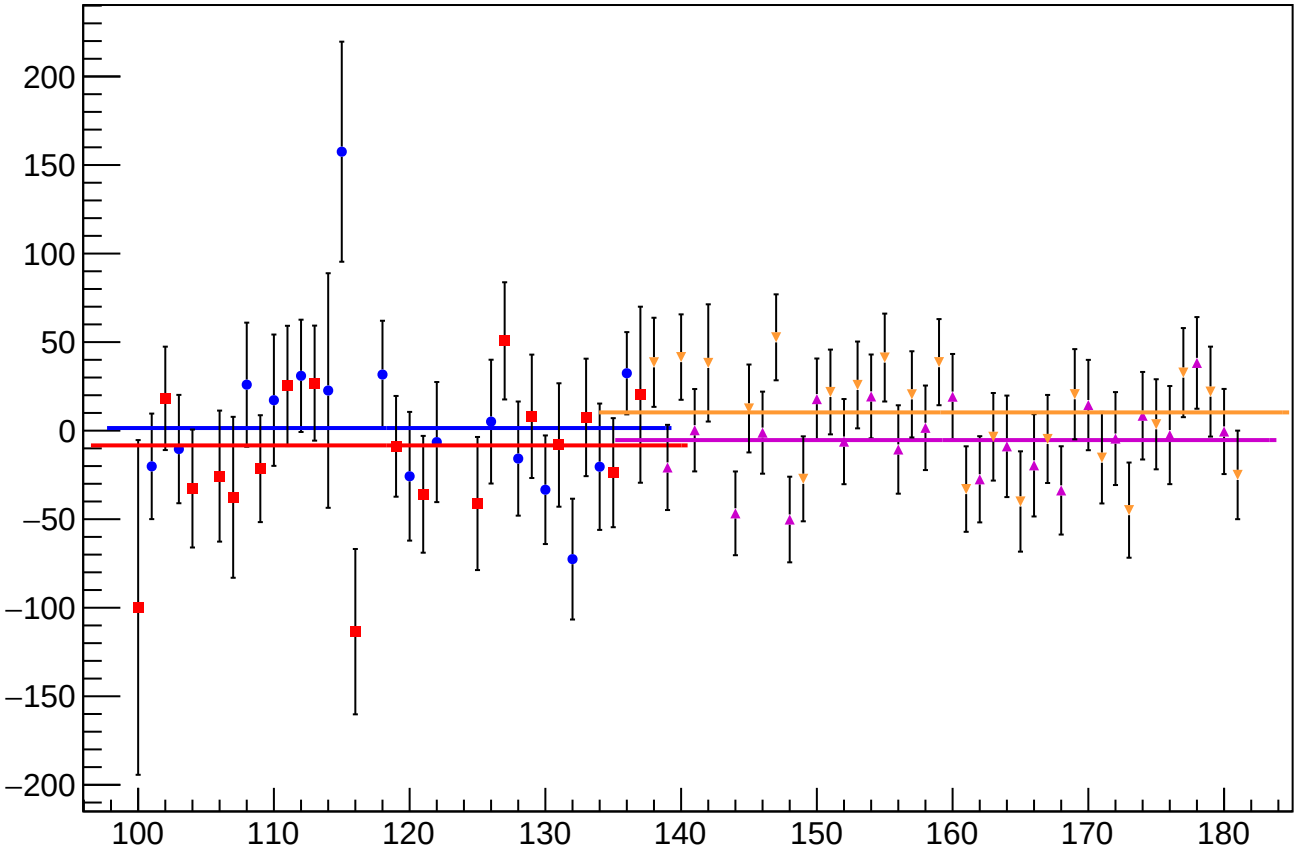
Left In: 182.380+/-0.033 χ^2/NDF:1590948.1/20

+ sign 200.116+/-0.030 χ^2/NDF: 2550006.6/37

All: 188.983+/-0.020 χ^2/NDF: 5955497.9/76

- sign 179.673+/-0.027 χ^2/NDF: 3146383.0/38

asym_bcm_dg_us_an_us_dd_mean vs Slug



Right In: 1.475+/-8.370 χ^2/NDF: 18.7/15

Left Out: 10.306+/-5.377 χ^2/NDF:28.4/21

Right Out: -8.329+/-8.286 χ^2/NDF: 16.0/17

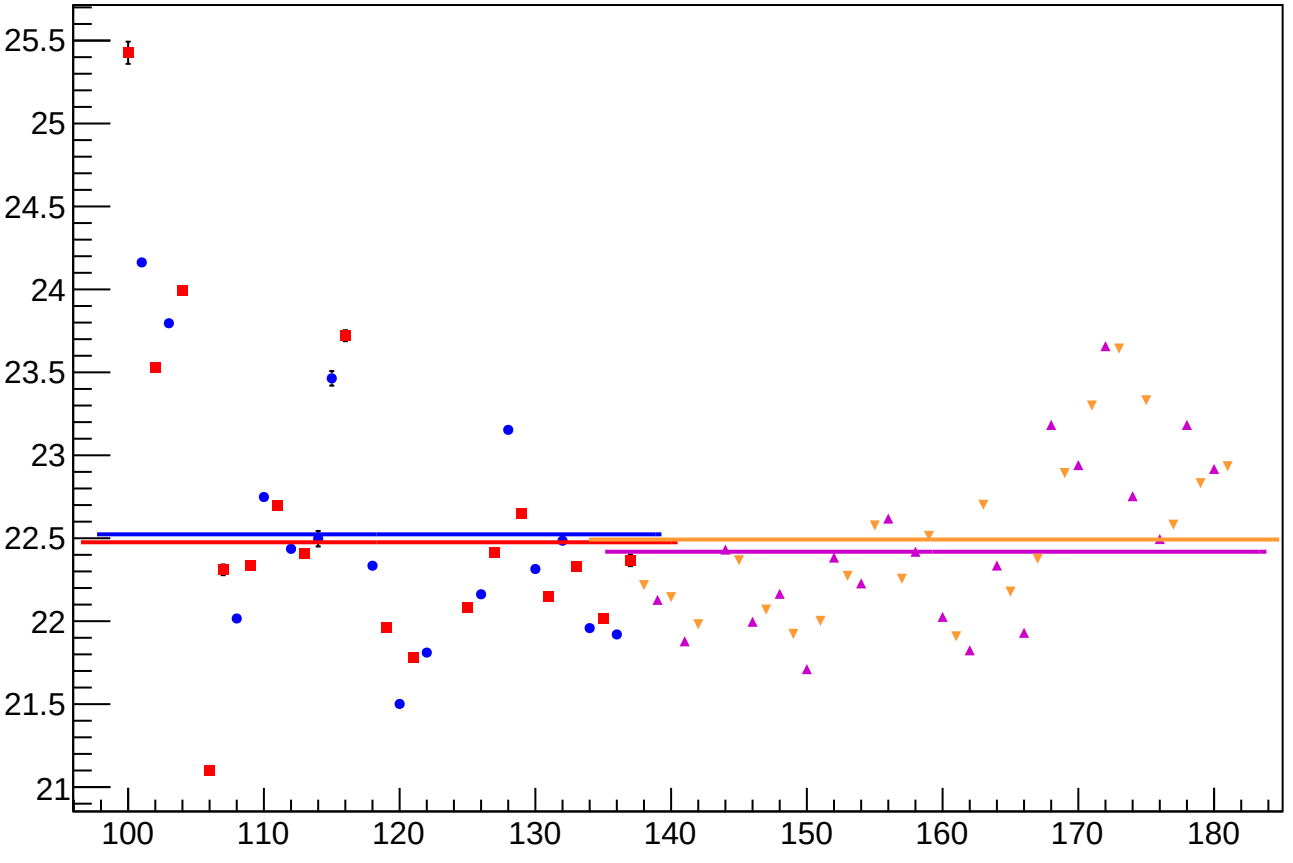
Left In: -5.326+/-5.399 χ^2/NDF:16.5/20

+ sign 7.726+/-4.524 χ^2/NDF: 47.8/37

All: 0.753+/-3.199 χ^2/NDF: 85.2/76

- sign -6.221+/-4.524 χ^2/NDF: 32.6/38

asym_bcm_dg_us_an_us_dd_rms vs Slug



Right In: 22.524+/-0.006 χ^2/NDF: 15947.8/15

Left Out: 22.492+/-0.004 χ^2/NDF:15024.2/21

Right Out: 22.476+/-0.006 χ^2/NDF: 15536.6/17

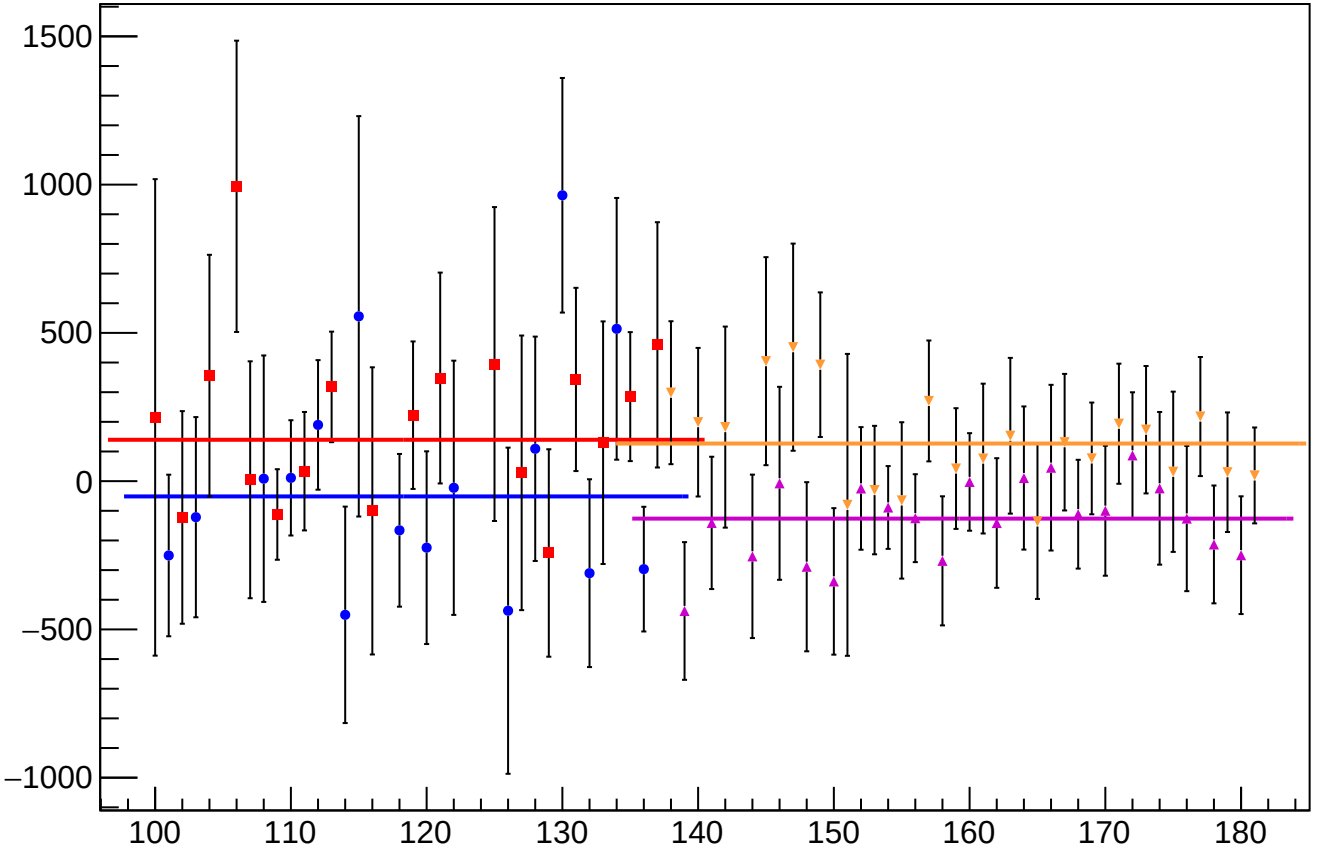
Left In: 22.419+/-0.004 χ^2/NDF:16899.6/20

\+ sign 22.501+/-0.003 χ^2/NDF: 30991.8/37

All: 22.469+/-0.002 χ^2/NDF: 63705.6/76

\- sign 22.436+/-0.003 χ^2/NDF: 32502.7/38

asym_bcm_dg_ds_an_us_avg_mean vs Slug



Right In: -51.492+/-76.798 χ^2/NDF: 15.3/15

Left Out: 126.842+/-49.877 χ^2/NDF:7.5/21

Right Out: 139.546+/-68.888 χ^2/NDF: 11.6/17

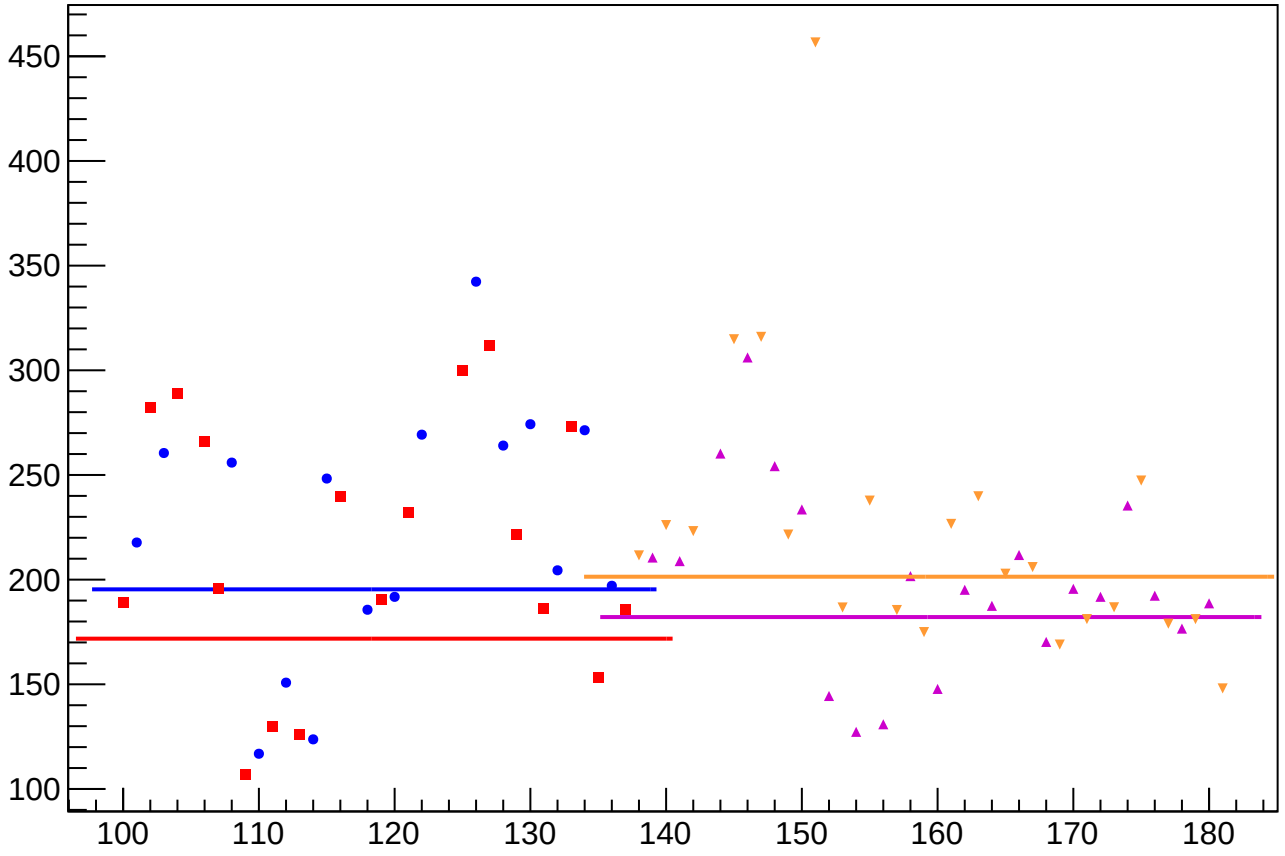
Left In: -126.321+/-45.923 χ^2/NDF:7.0/20

+ sign 73.936+/-41.830 χ^2/NDF: 26.6/37

All: 9.362+/-28.212 χ^2/NDF: 59.8/76

- sign -44.522+/-38.211 χ^2/NDF: 28.8/38

asym_bcm_dg_ds_an_us_avg_rms vs Slug



Right In: 195.361+/-0.054 χ^2/NDF: 1041432.1/15

Left Out: 201.395+/-0.035 χ^2/NDF:1537955.6/21

Right Out: 171.805+/-0.049 χ^2/NDF: 1600663.6/17

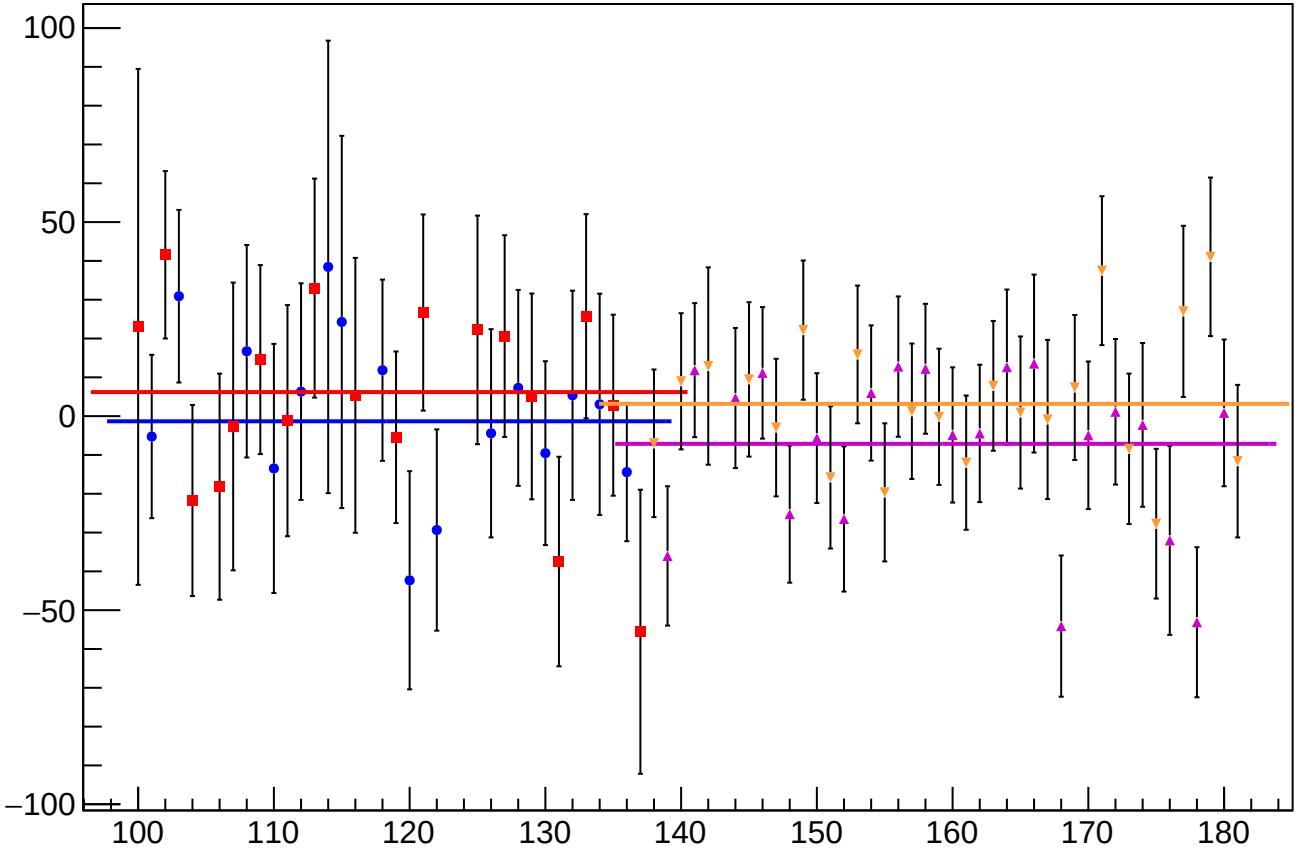
Left In: 182.124+/-0.032 χ^2/NDF:1584794.7/20

+ sign 199.605+/-0.030 χ^2/NDF: 2588072.3/37

All: 188.345+/-0.020 χ^2/NDF: 6070457.3/76

- sign 178.949+/-0.027 χ^2/NDF: 3216526.1/38

asym_bcm_dg_ds_an_us_dd_mean vs Slug



Right In: -1.331+/-6.499 χ^2/NDF: 8.0/15

Left Out: 3.165+/-4.013 χ^2/NDF:17.4/21

Right Out: 6.195+/-6.473 χ^2/NDF: 13.5/17

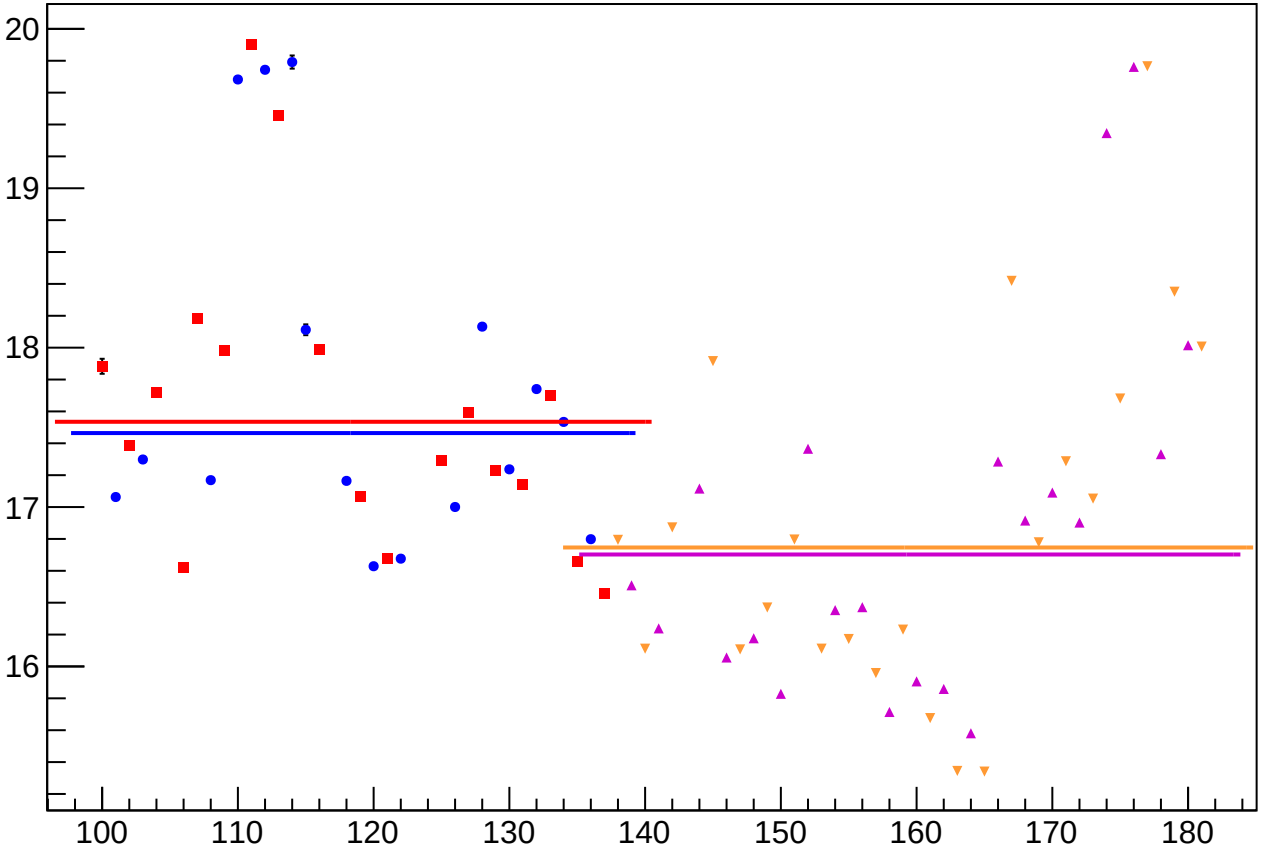
Left In: -7.135+/-4.033 χ^2/NDF:26.2/20

+ sign 1.924+/-3.415 χ^2/NDF: 25.8/37

All: -0.735+/-2.417 χ^2/NDF: 69.7/76

- sign -3.407+/-3.423 χ^2/NDF: 42.8/38

asym_bcm_dg_ds_an_us_dd_rms vs Slug



Right In: 17.464+/-0.005 χ^2/NDF: 36650.1/15

Left Out: 16.746+/-0.003 χ^2/NDF:133676.7/21

Right Out: 17.535+/-0.005 χ^2/NDF: 34475.1/17

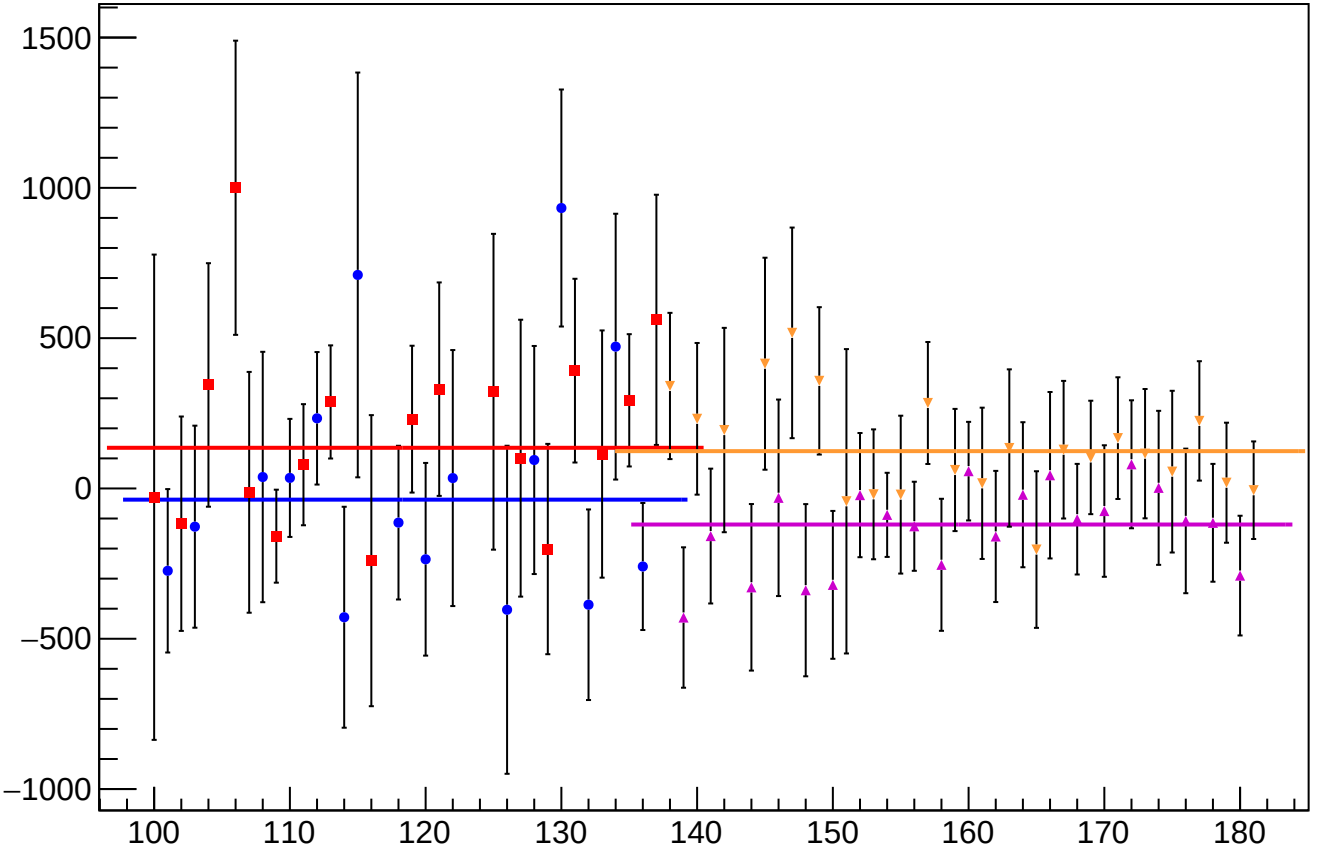
Left In: 16.702+/-0.003 χ^2/NDF:116179.5/20

\+ sign 16.945+/-0.002 χ^2/NDF: 187992.4/37

All: 16.940+/-0.002 χ^2/NDF: 362495.1/76

\- sign 16.935+/-0.002 χ^2/NDF: 174495.3/38

asym_bcm_dg_us_an_ds_avg_mean vs Slug



Right In: -37.241+/-76.915 χ^2/NDF: 15.6/15

Left Out: 124.118+/-49.818 χ^2/NDF:8.5/21

Right Out: 135.279+/-69.157 χ^2/NDF: 12.8/17

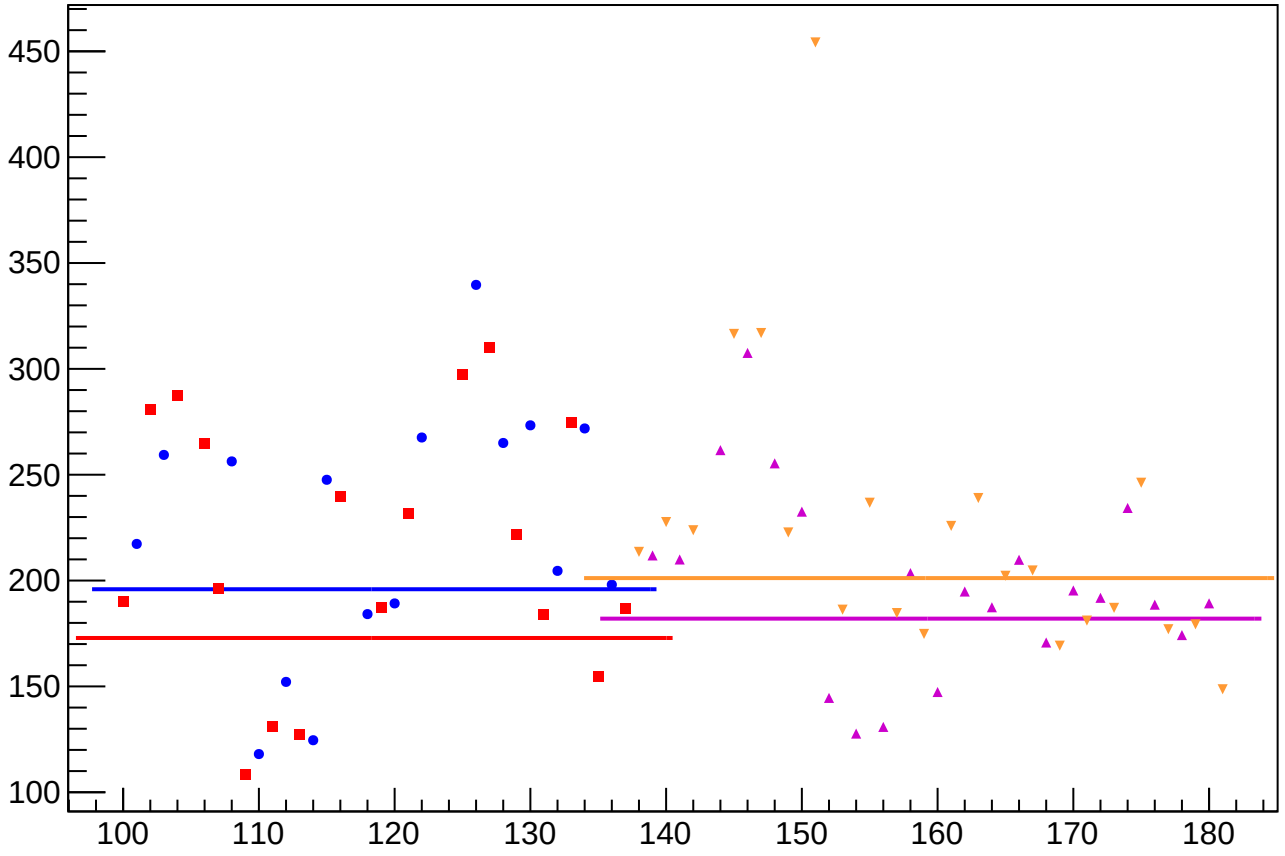
Left In: -119.965+/-45.891 χ^2/NDF:7.9/20

+ sign 76.431+/-41.813 χ^2/NDF: 27.3/37

All: 11.974+/-28.218 χ^2/NDF: 61.8/76

- sign -41.933+/-38.238 χ^2/NDF: 30.2/38

asym_bcm_dg_us_an_ds_avg_rms vs Slug



Right In: 195.900+/-0.054 χ^2/NDF: 1011012.3/15

Left Out: 201.164+/-0.035 χ^2/NDF:1542695.1/21

Right Out: 172.873+/-0.049 χ^2/NDF: 1543258.3/17

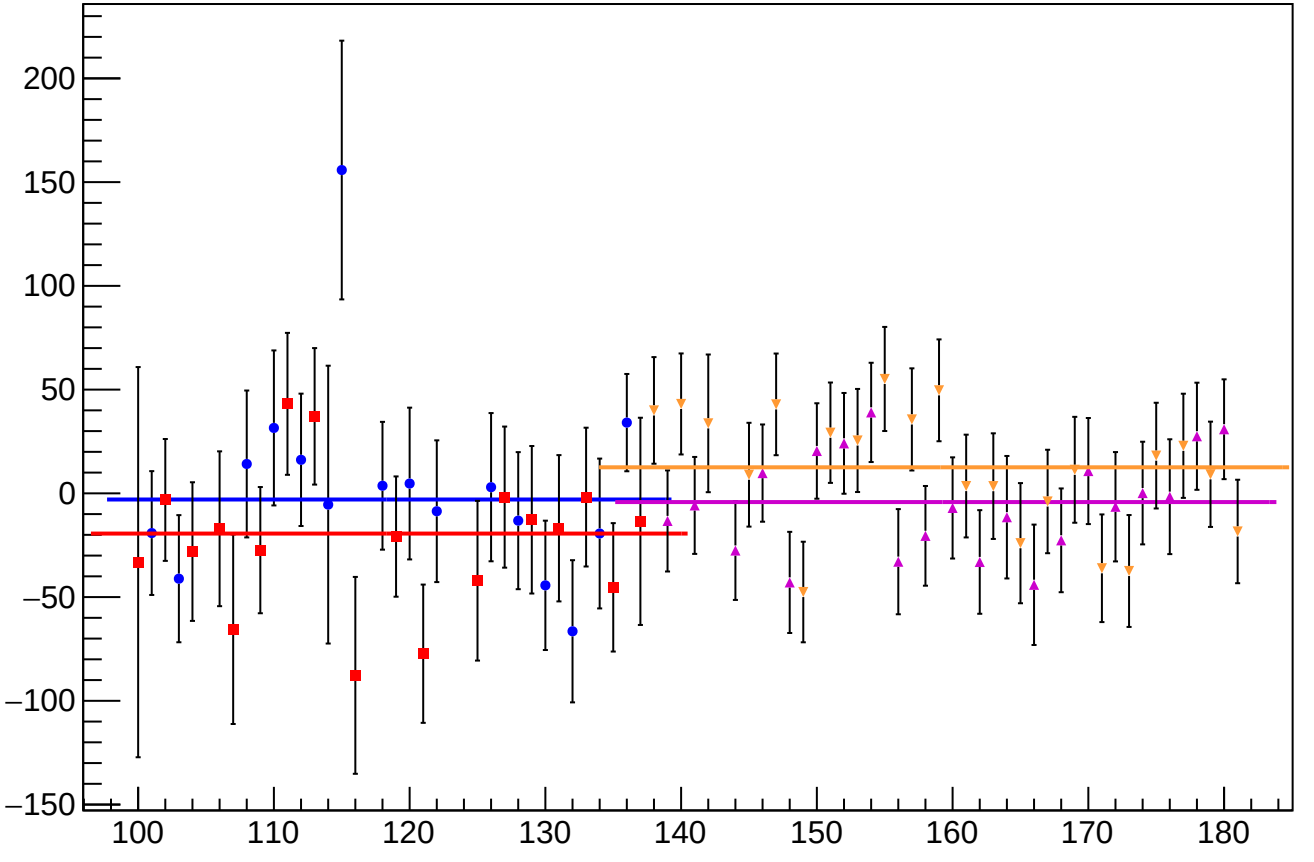
Left In: 182.012+/-0.032 χ^2/NDF:1591040.5/20

+ sign 199.608+/-0.030 χ^2/NDF: 2560308.2/37

All: 188.505+/-0.020 χ^2/NDF: 5977855.9/76

- sign 179.218+/-0.027 χ^2/NDF: 3158549.4/38

asym_bcm_dg_us_an_ds_dd_mean vs Slug



Right In: -2.967+/-8.454 χ^2/NDF: 17.9/15

Left Out: 12.551+/-5.426 χ^2/NDF:28.6/21

Right Out: -19.387+/-8.381 χ^2/NDF: 14.5/17

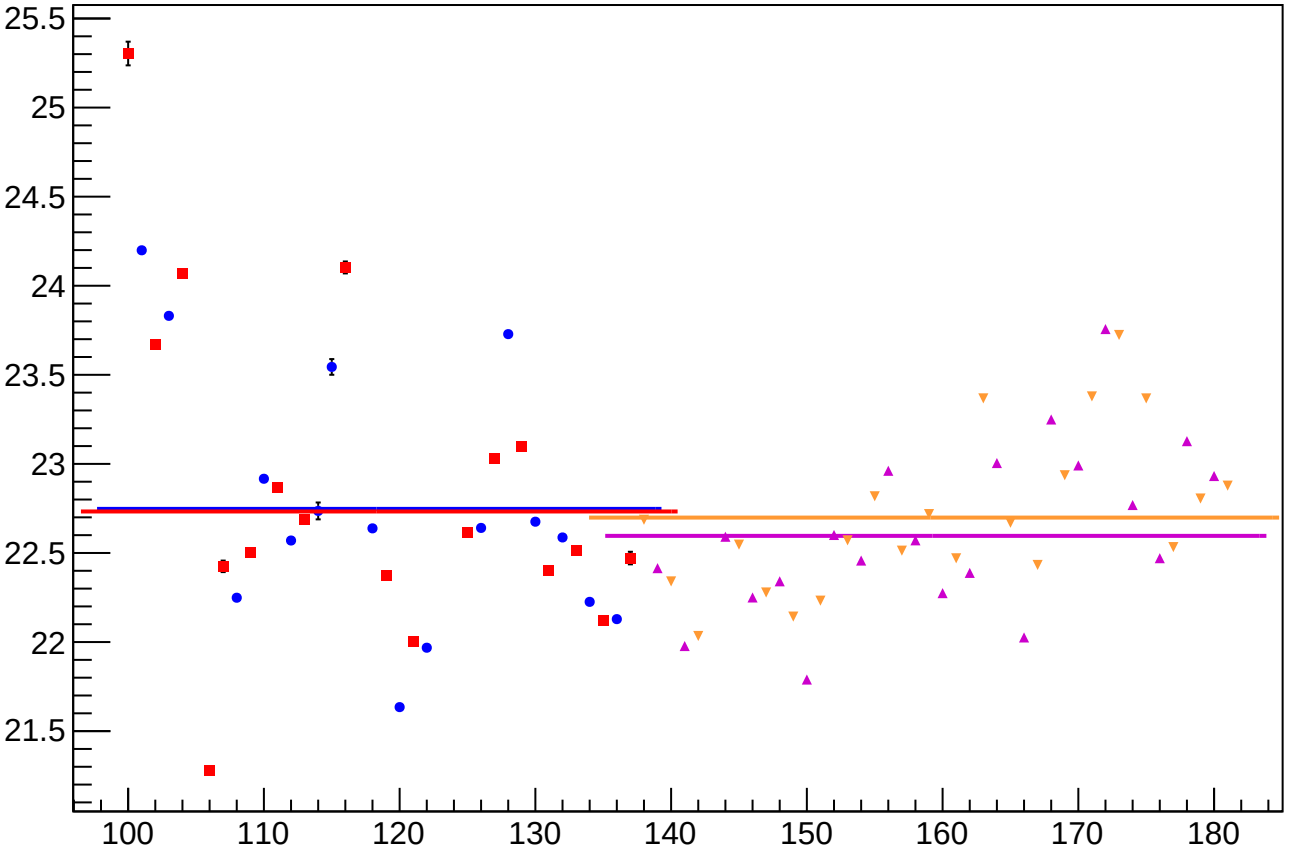
Left In: -4.204+/-5.442 χ^2/NDF:19.4/20

+ sign 8.024+/-4.567 χ^2/NDF: 48.9/37

All: -0.346+/-3.228 χ^2/NDF: 91.9/76

- sign -8.707+/-4.564 χ^2/NDF: 36.2/38

asym_bcm_dg_us_an_ds_dd_rms vs Slug



Right In: 22.747+/-0.006 χ^2/NDF: 14622.8/15

Left Out: 22.699+/-0.004 χ^2/NDF:11730.1/21

Right Out: 22.733+/-0.006 χ^2/NDF: 14389.6/17

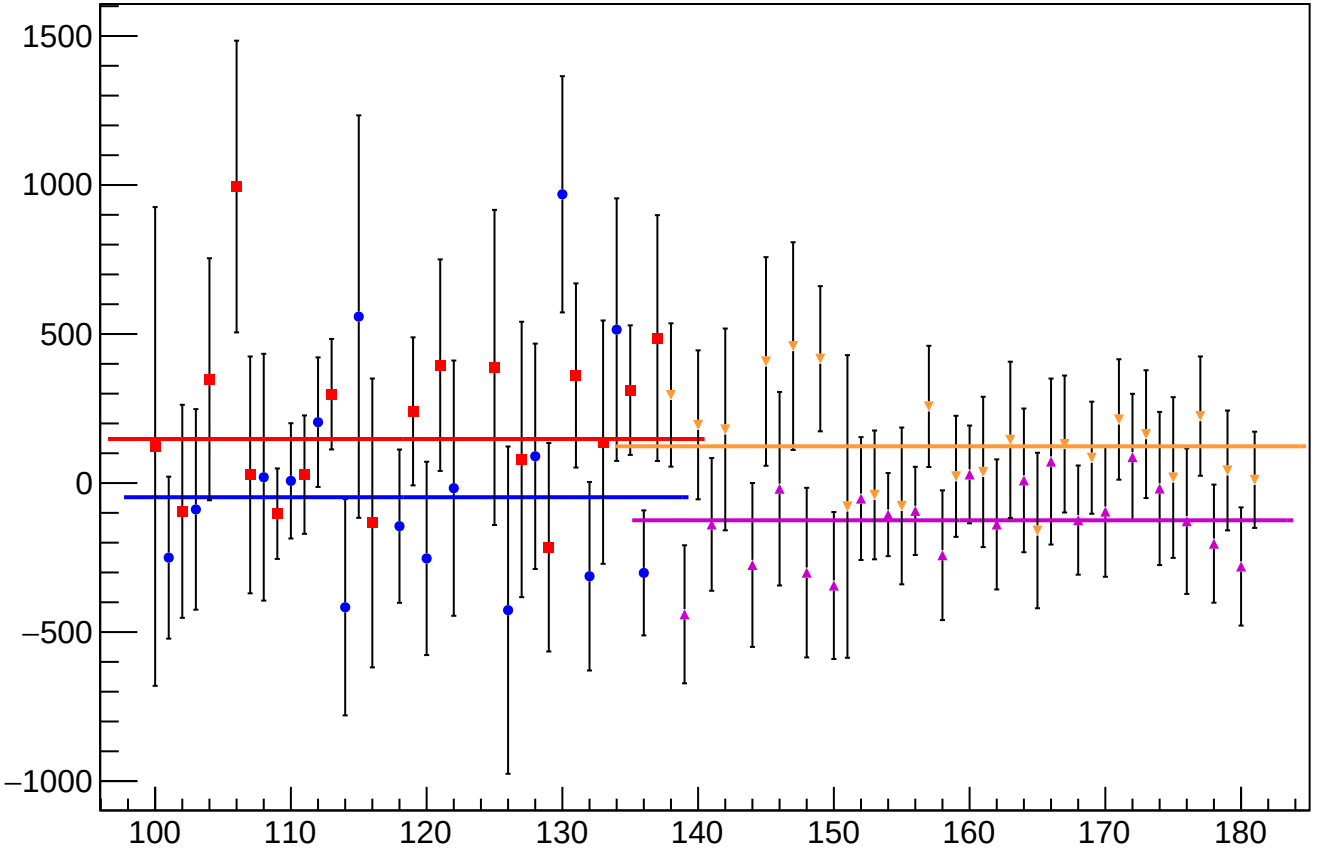
Left In: 22.596+/-0.004 χ^2/NDF:13851.7/20

+ sign 22.713+/-0.003 χ^2/NDF: 26400.1/37

All: 22.675+/-0.002 χ^2/NDF: 55295.6/76

- sign 22.637+/-0.003 χ^2/NDF: 28616.6/38

asym_bcm_dg_ds_an_ds_avg_mean vs Slug



Right In: -47.523+/-76.571 χ^2/NDF: 15.4/15

Left Out: 123.403+/-49.765 χ^2/NDF:8.3/21

Right Out: 147.812+/-68.660 χ^2/NDF: 11.5/17

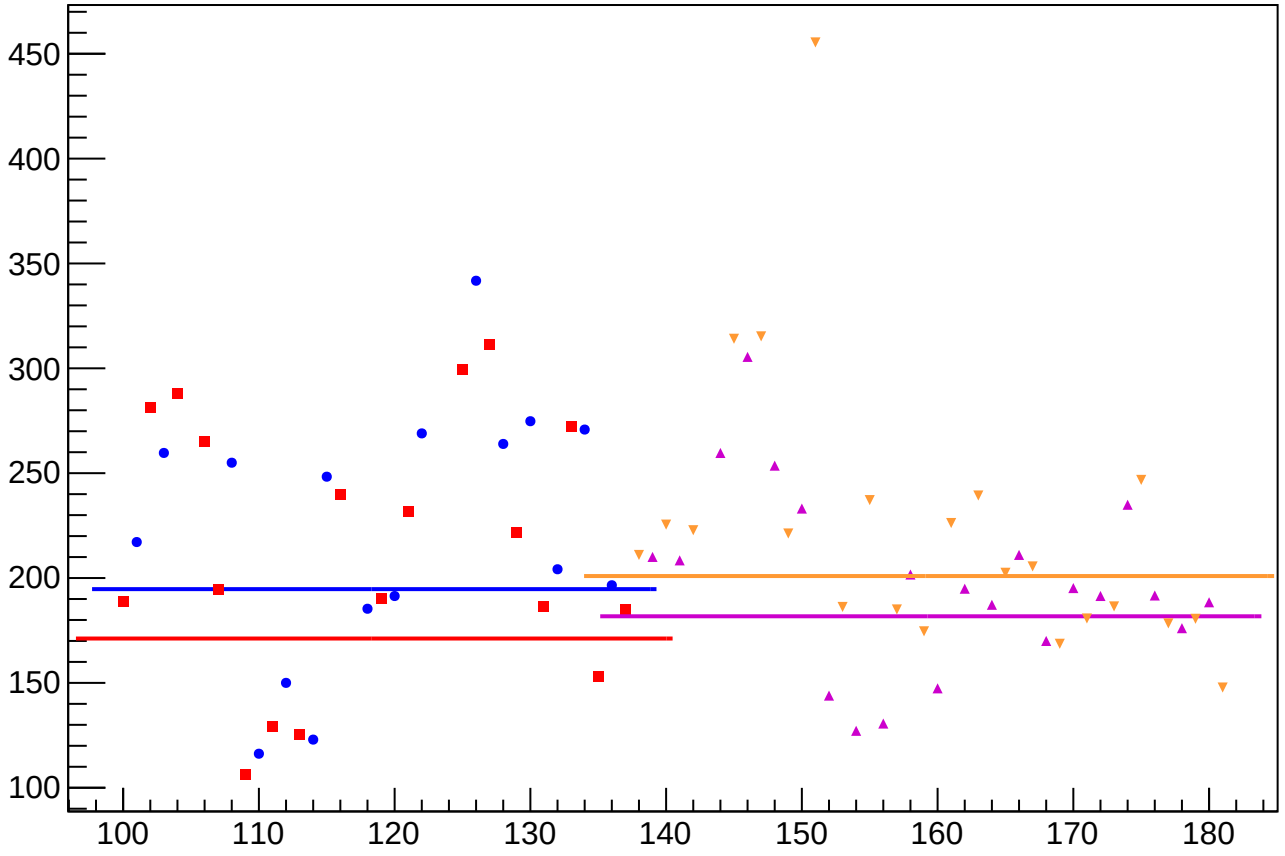
Left In: -124.938+/-45.831 χ^2/NDF:7.6/20

+ sign 72.644+/-41.727 χ^2/NDF: 27.2/37

All: 10.769+/-28.143 χ^2/NDF: 61.2/76

- sign -40.869+/-38.119 χ^2/NDF: 30.0/38

asym_bcm_dg_ds_an_ds_avg_rms vs Slug



Right In: 194.708+/-0.054 χ^2/NDF: 1052288.9/15

Left Out: 200.945+/-0.035 χ^2/NDF:1537511.6/21

Right Out: 171.156+/-0.049 χ^2/NDF: 1611935.6/17

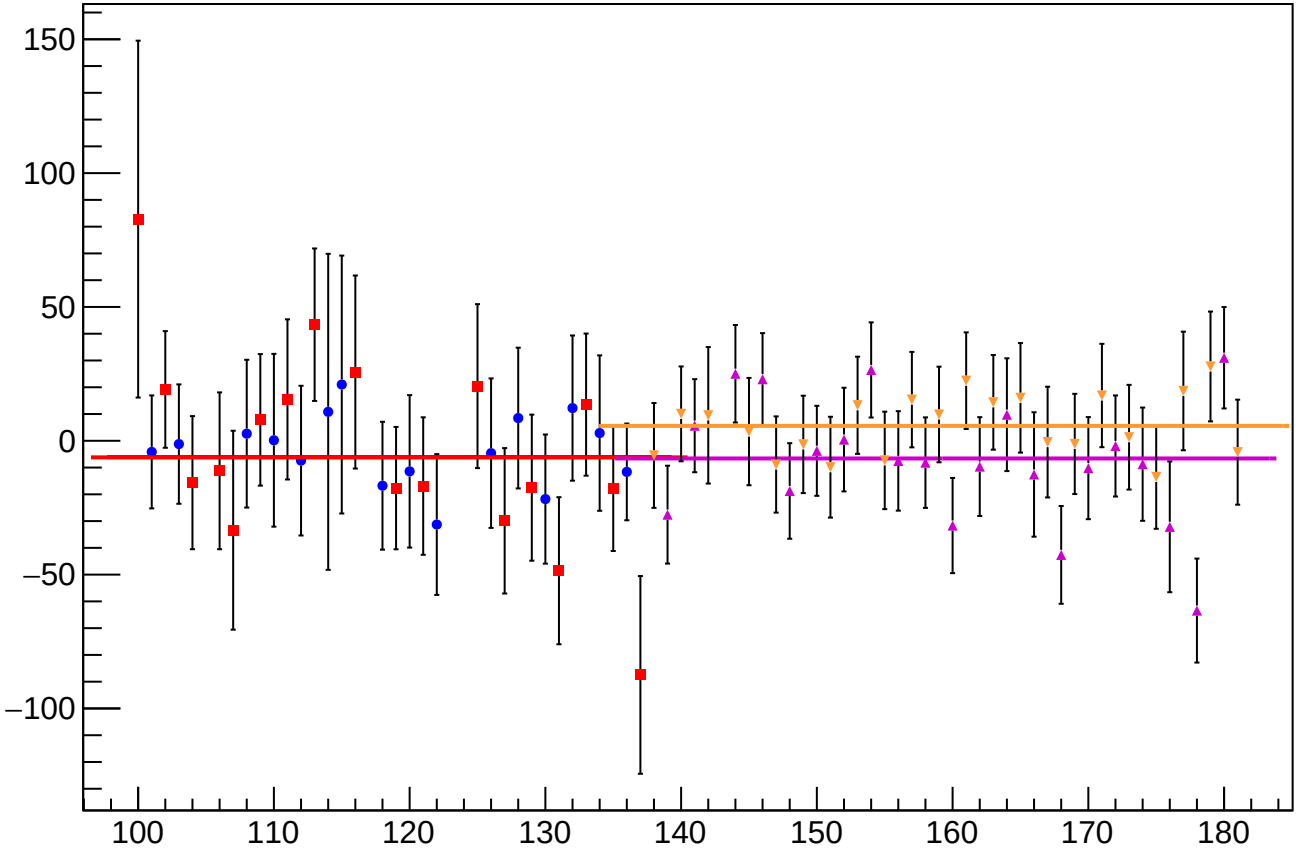
Left In: 181.759+/-0.032 χ^2/NDF:1584647.7/20

+ sign 199.093+/-0.030 χ^2/NDF: 2599129.5/37

All: 187.863+/-0.020 χ^2/NDF: 6094465.5/76

- sign 178.491+/-0.027 χ^2/NDF: 3229575.5/38

asym_bcm_dg_ds_an_ds_dd_mean vs Slug



Right In: -6.119+/-6.592 χ^2/NDF: 3.1/15

Left Out: 5.567+/-4.086 χ^2/NDF:7.6/21

Right Out: -6.195+/-6.580 χ^2/NDF: 18.6/17

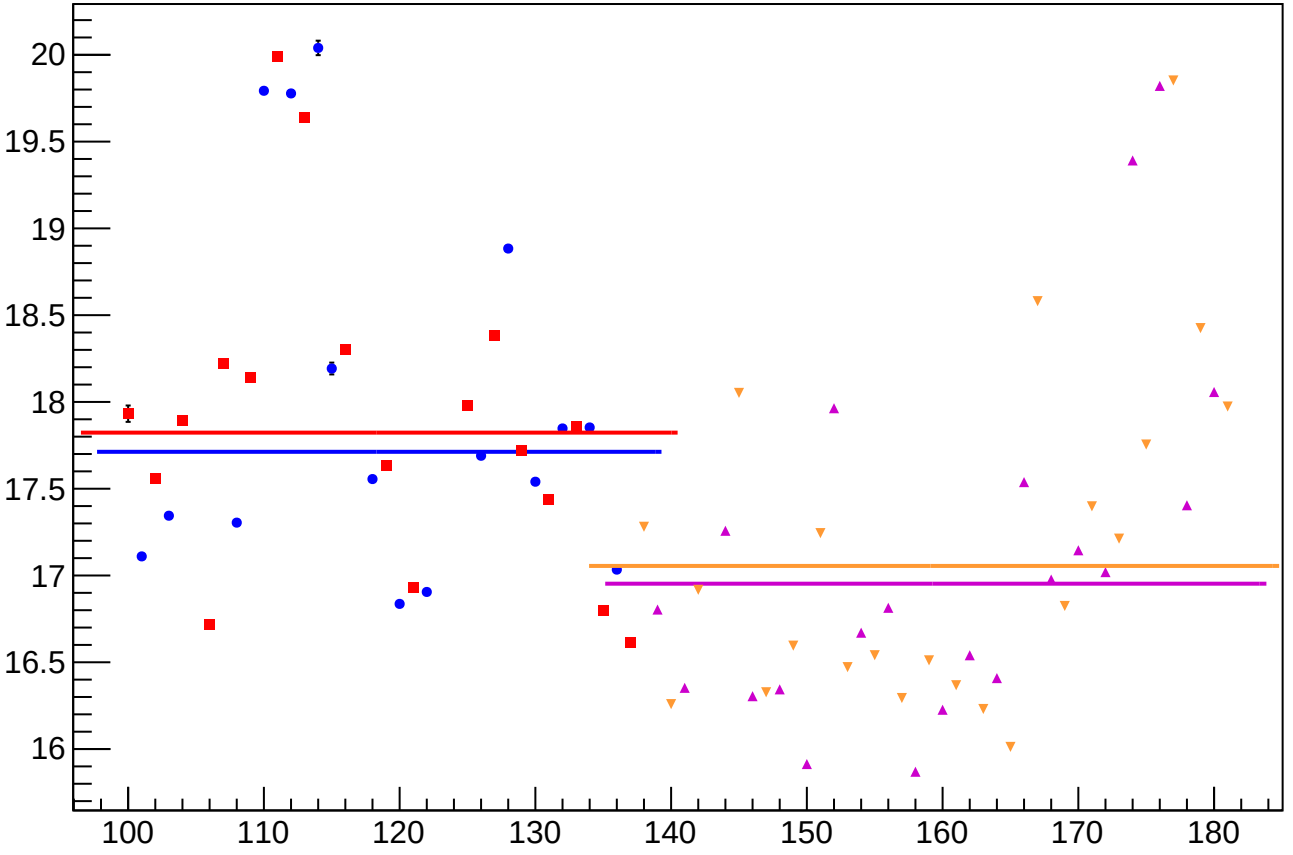
Left In: -6.604+/-4.093 χ^2/NDF:32.2/20

+ sign 2.324+/-3.473 χ^2/NDF: 13.0/37

All: -2.079+/-2.457 χ^2/NDF: 67.1/76

- sign -6.490+/-3.476 χ^2/NDF: 50.8/38

asym_bcm_dg_ds_an_ds_dd_rms vs Slug



Right In: 17.713+/-0.005 χ^2/NDF: 35983.5/15

Left Out: 17.055+/-0.003 χ^2/NDF:95410.6/21

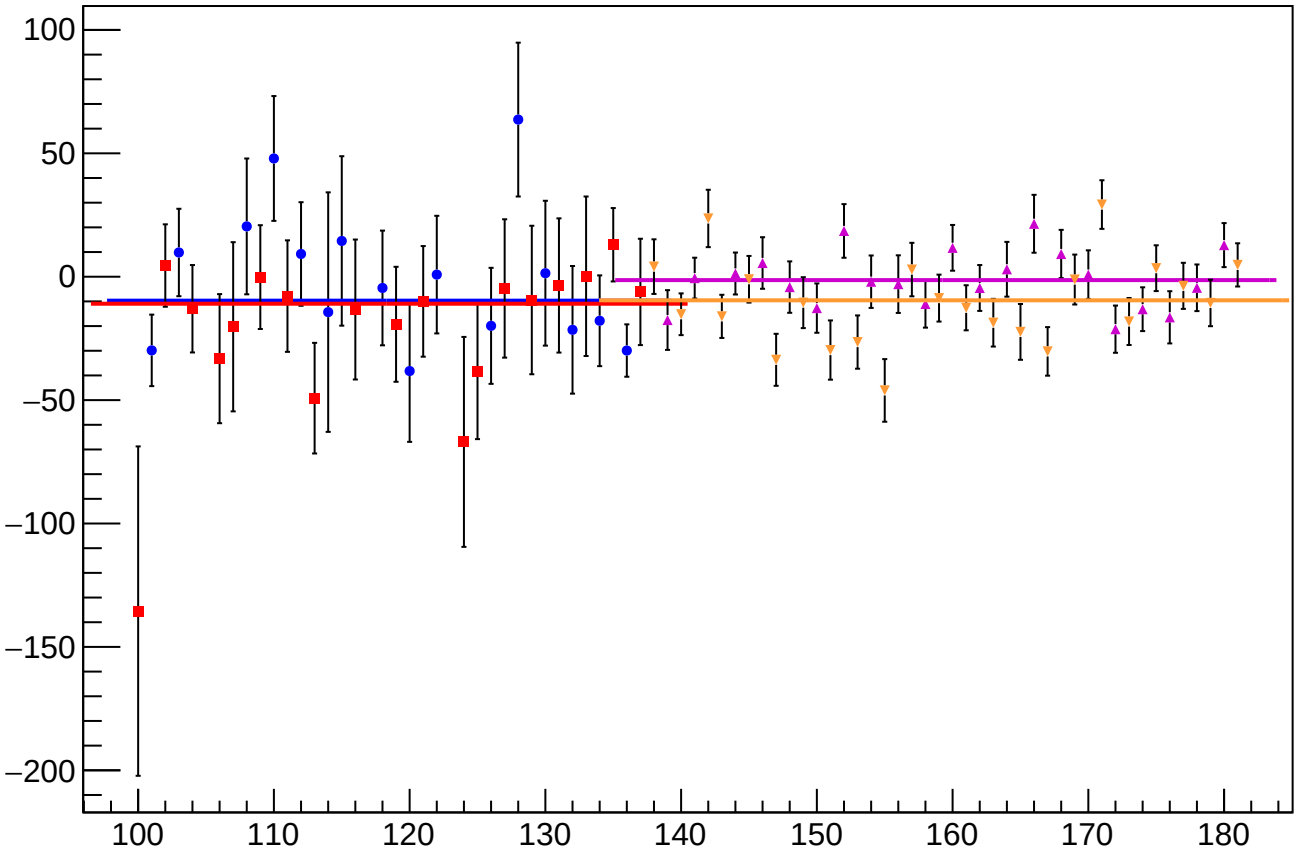
Right Out: 17.823+/-0.005 χ^2/NDF: 32502.9/17

Left In: 16.953+/-0.003 χ^2/NDF:99353.8/20

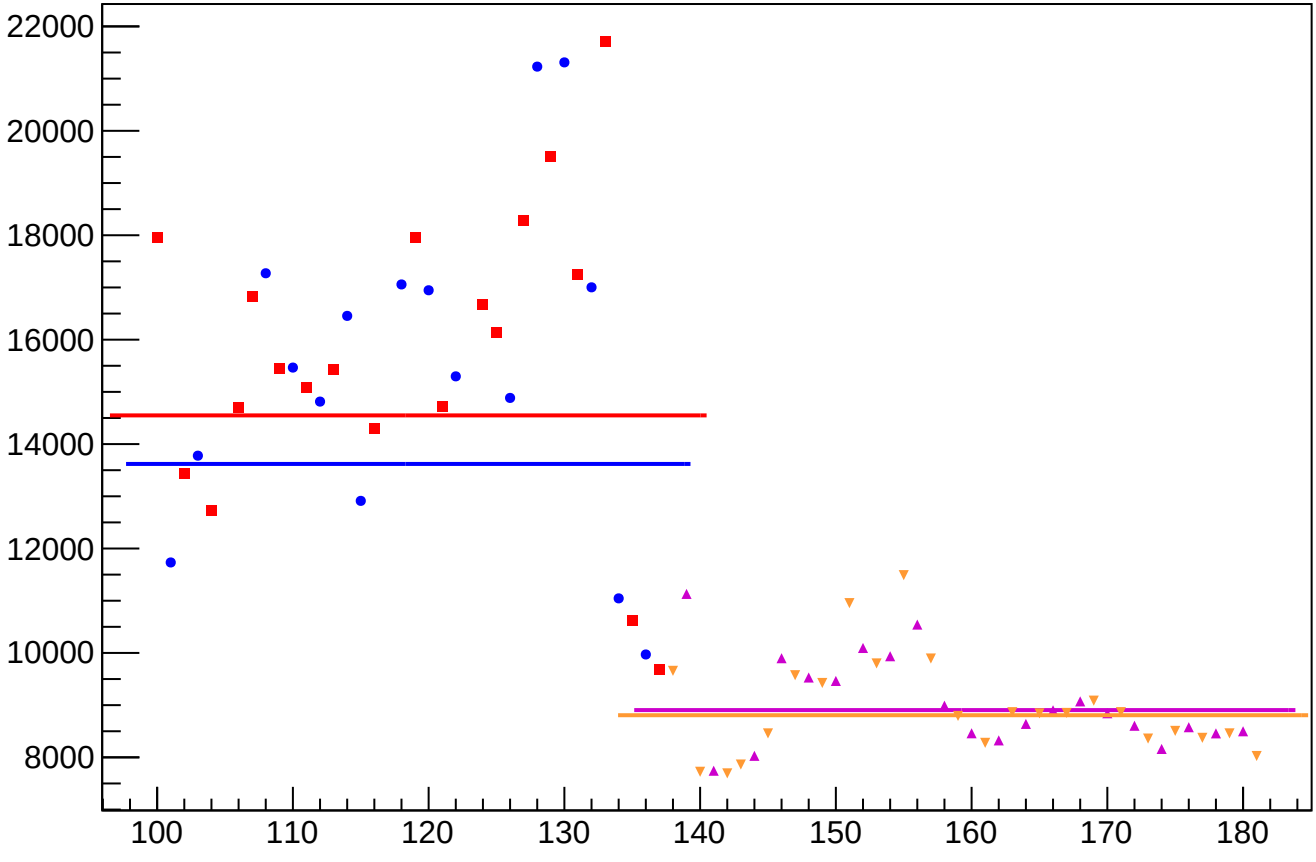
+ sign 17.238+/-0.002 χ^2/NDF: 145769.0/37

All: 17.217+/-0.002 χ^2/NDF: 303002.7/76

- sign 17.196+/-0.002 χ^2/NDF: 157087.5/38


diff_bpm_4aX_4acX_avg_mean vs Slug
100
50
0
−50
−100
−150
−200
100
110
120
130
140
150
160
170
180
Right In: -9.702+/-5.231 χ²/NDF: 22.0/15
Left Out: -9.559+/-2.072 χ²/NDF:60.4/22
Right Out: -10.938+/-5.436 χ²/NDF: 14.1/18
Left In: -1.371+/-2.157 χ²/NDF:26.1/20
+ sign -9.578+/-1.926 χ²/NDF: 82.4/38
All: -6.263+/-1.389 χ²/NDF: 131.4/78
- sign -2.672+/-2.005 χ²/NDF: 42.9/39

diff_bpm_4aX_4acX_avg_rms vs Slug



Right In: 13619.845+/-3.699 χ^2/NDF: 746985.9/15

Left Out: 8807.071+/-1.465 χ^2/NDF:335061.1/22

Right Out: 14549.658+/-3.844 χ^2/NDF: 555902.2/18

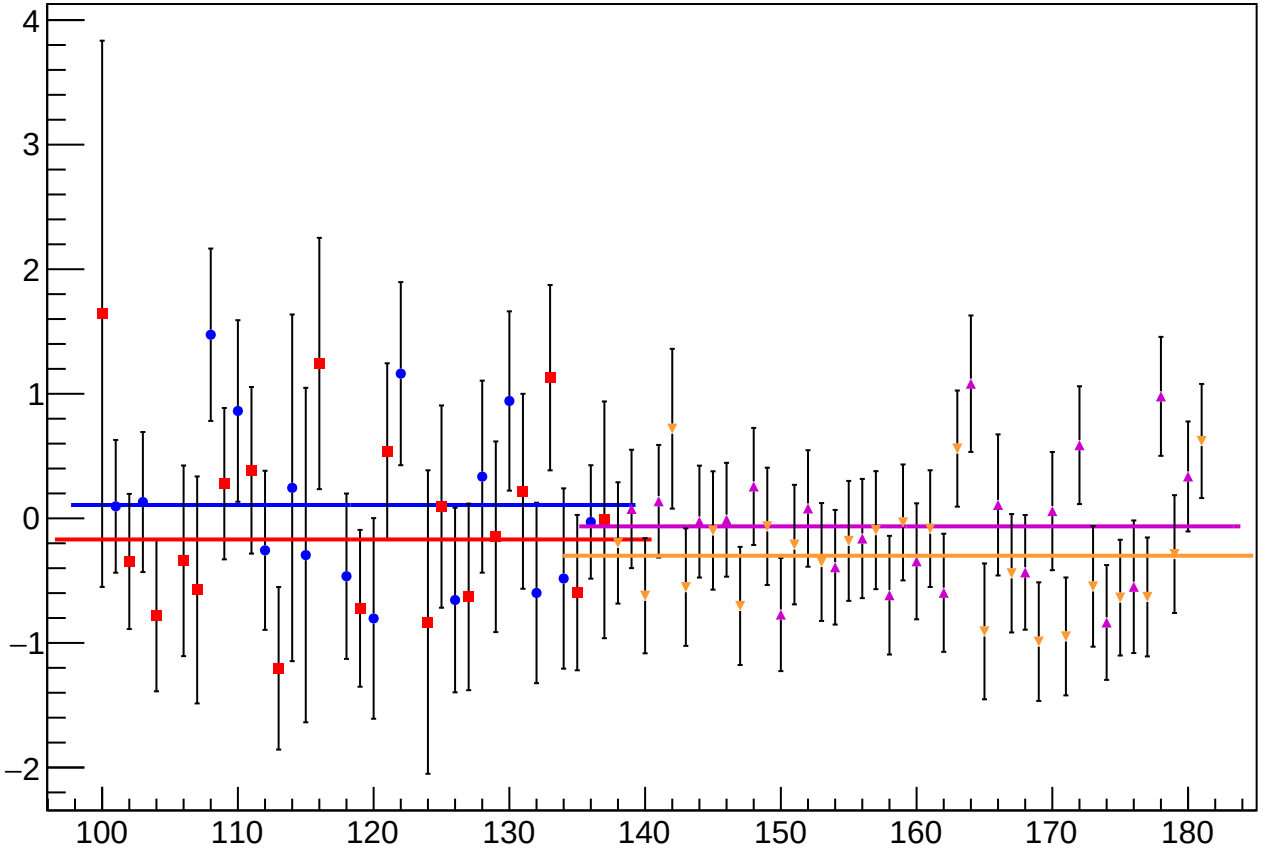
Left In: 8905.472+/-1.525 χ^2/NDF:282904.7/20

+ sign 9459.742+/-1.362 χ^2/NDF: 2545215.1/38

All: 9562.172+/-0.982 χ^2/NDF: 5258549.0/78

- sign 9673.098+/-1.418 χ^2/NDF: 2701557.2/39

diff_bpm_4aX_4acX_dd_mean vs Slug



Right In: 0.107+/-0.172 χ^2/NDF: 13.7/15

Left Out: -0.300+/-0.100 χ^2/NDF:19.3/22

Right Out: -0.169+/-0.169 χ^2/NDF: 14.1/18

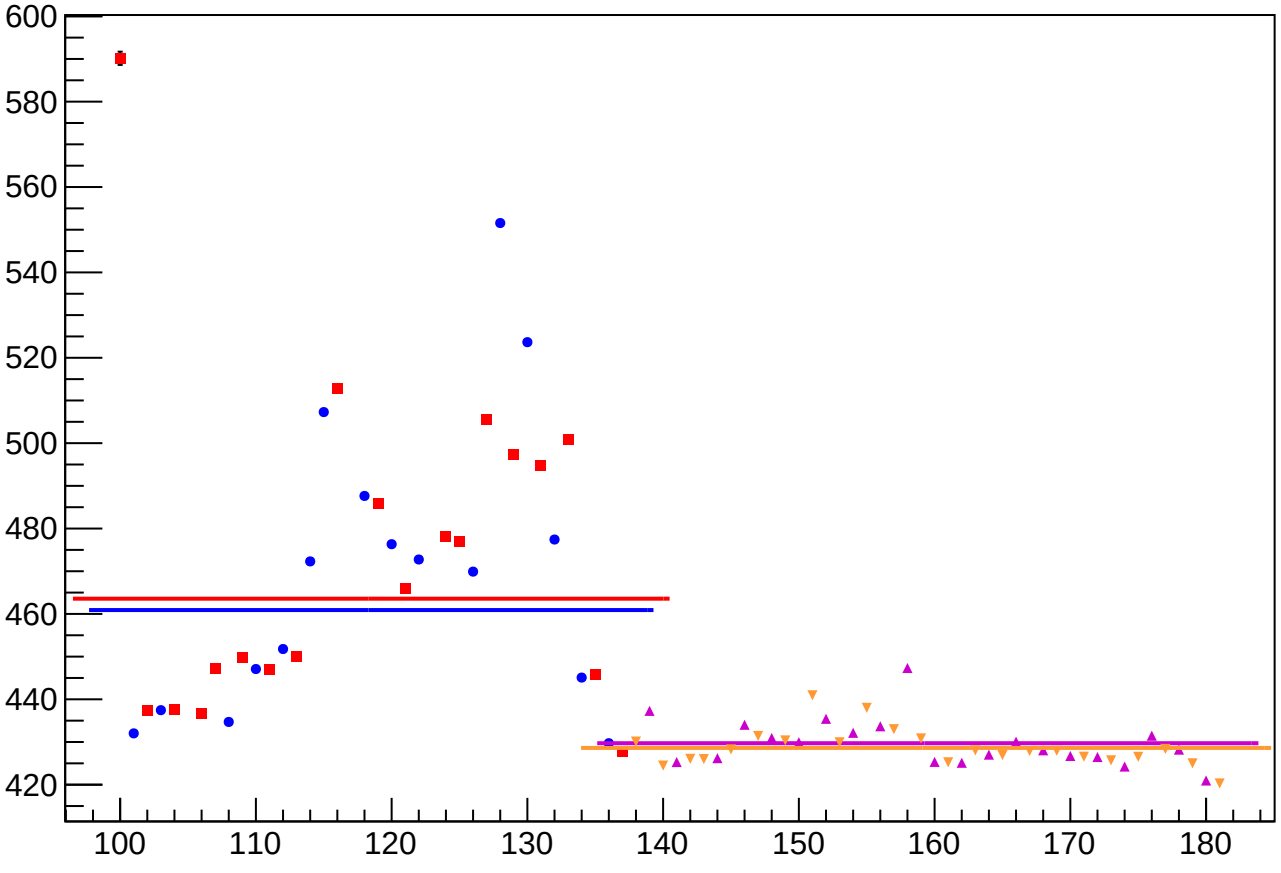
Left In: -0.064+/-0.103 χ^2/NDF:23.1/20

+ sign -0.197+/-0.086 χ^2/NDF: 37.2/38

All: -0.146+/-0.062 χ^2/NDF: 75.4/78

- sign -0.093+/-0.088 χ^2/NDF: 37.5/39

diff_bpm_4aX_4acX_dd_rms vs Slug



Right In: 460.906+/-0.121 χ^2/NDF: 74930.1/15

Left Out: 428.611+/-0.071 χ^2/NDF:3746.0/22

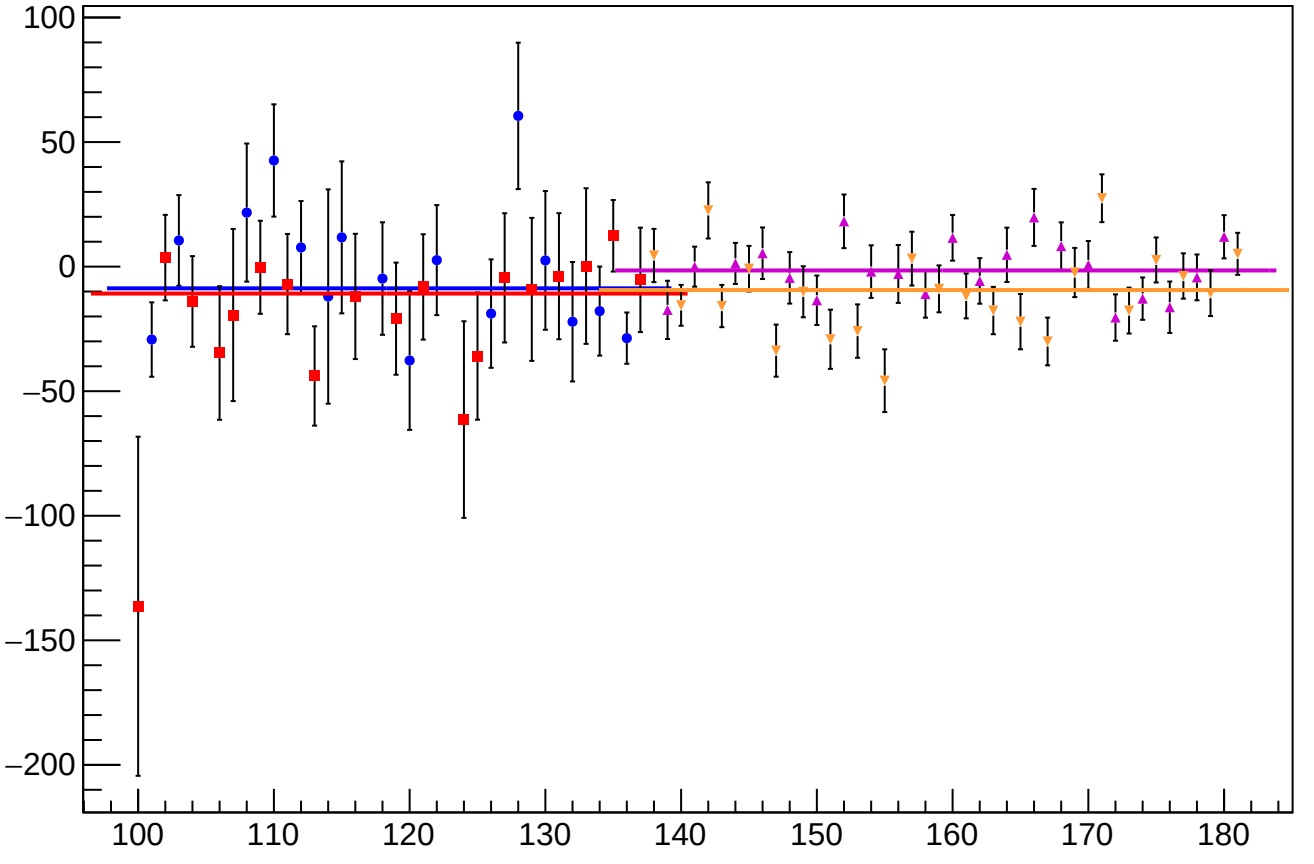
Right Out: 463.573+/-0.120 χ^2/NDF: 52175.6/18

Left In: 429.715+/-0.073 χ^2/NDF:5960.9/20

+ sign 436.804+/-0.061 χ^2/NDF: 131479.1/38

All: 437.836+/-0.044 χ^2/NDF: 248367.7/78

- sign 438.911+/-0.062 χ^2/NDF: 116307.2/39



Right In: -8.707+/-5.036 χ^2/NDF: 22.3/15

Left Out: -9.402+/-2.027 χ^2/NDF:60.0/22

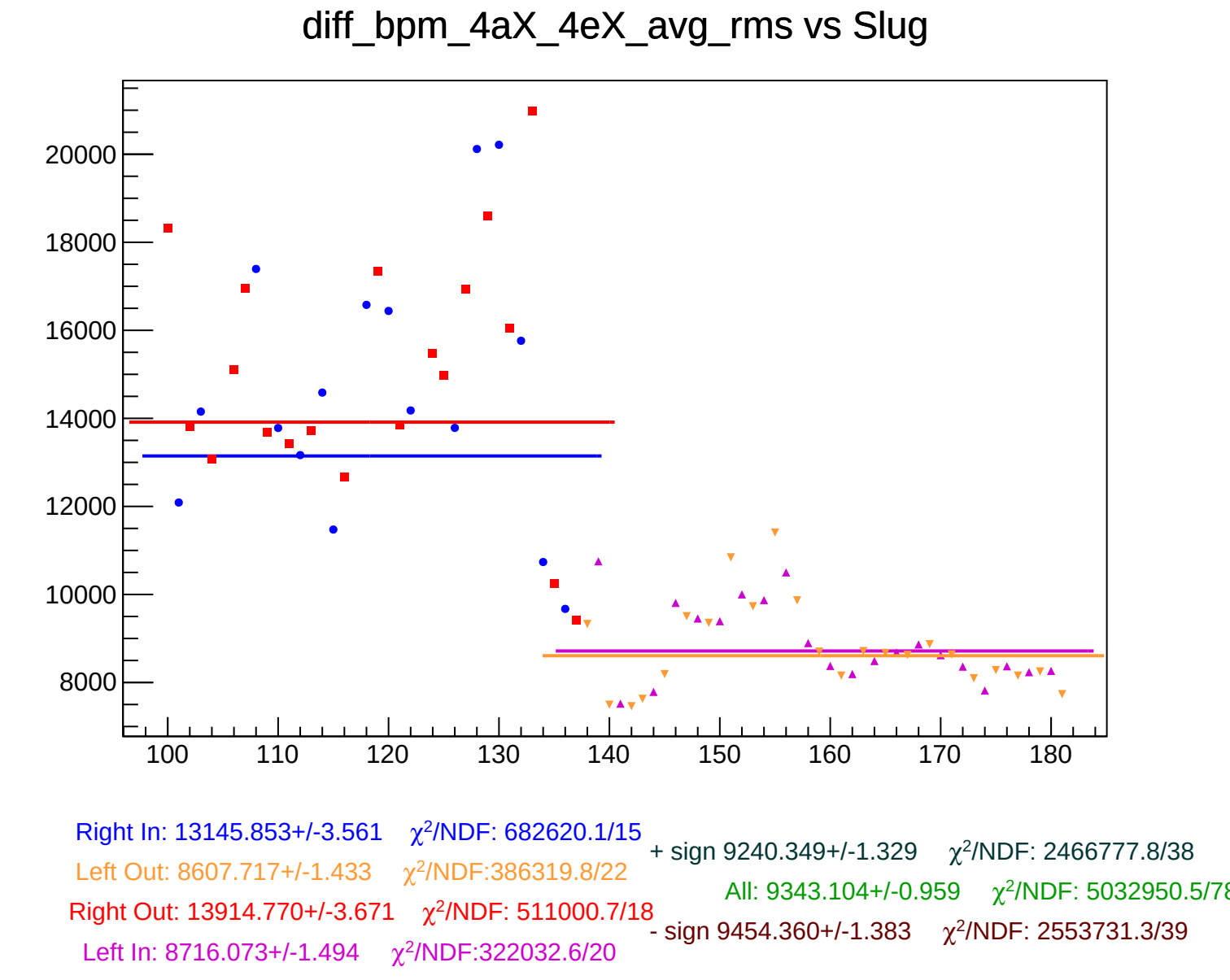
Right Out: -10.807+/-5.192 χ^2/NDF: 13.9/18

Left In: -1.534+/-2.112 χ^2/NDF:26.0/20

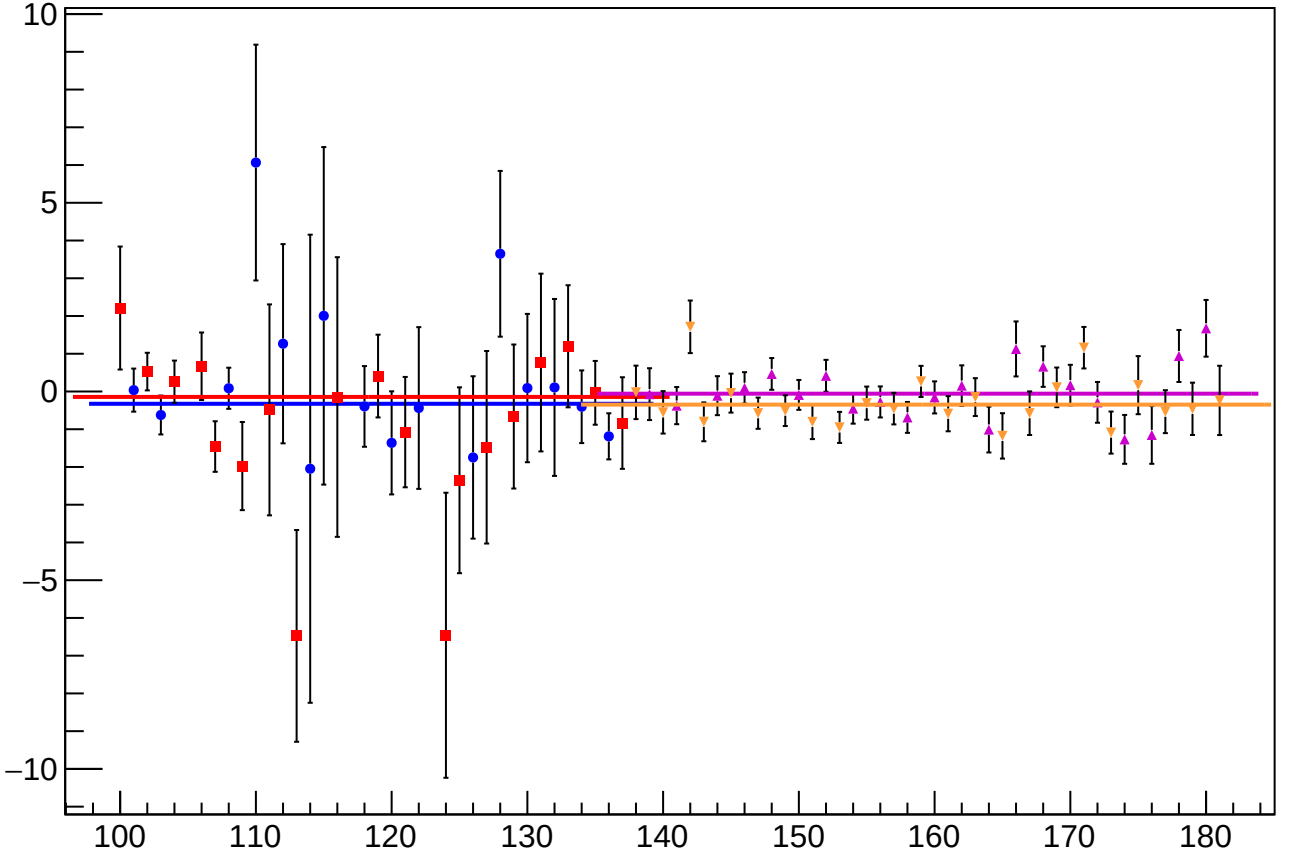
+ sign -9.305+/-1.880 χ^2/NDF: 82.2/38

All: -6.206+/-1.356 χ^2/NDF: 130.5/78

- sign -2.851+/-1.956 χ^2/NDF: 42.6/39


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: 8607.717+/-1.433 χ²/NDF:386319.8/22
Right Out: 13914.770+/-3.671 χ²/NDF: 511000.7/18
Left In: 8716.073+/-1.494 χ²/NDF:322032.6/20
+ sign 9240.349+/-1.329 χ²/NDF: 2466777.8/38
All: 9343.104+/-0.959 χ²/NDF: 5032950.5/78
- sign 9454.360+/-1.383 χ²/NDF: 2553731.3/39

diff_bpm_4aX_4eX_dd_mean vs Slug



Right In: -0.326+/-0.244 χ^2/NDF: 12.6/15

Left Out: -0.348+/-0.107 χ^2/NDF:29.2/22

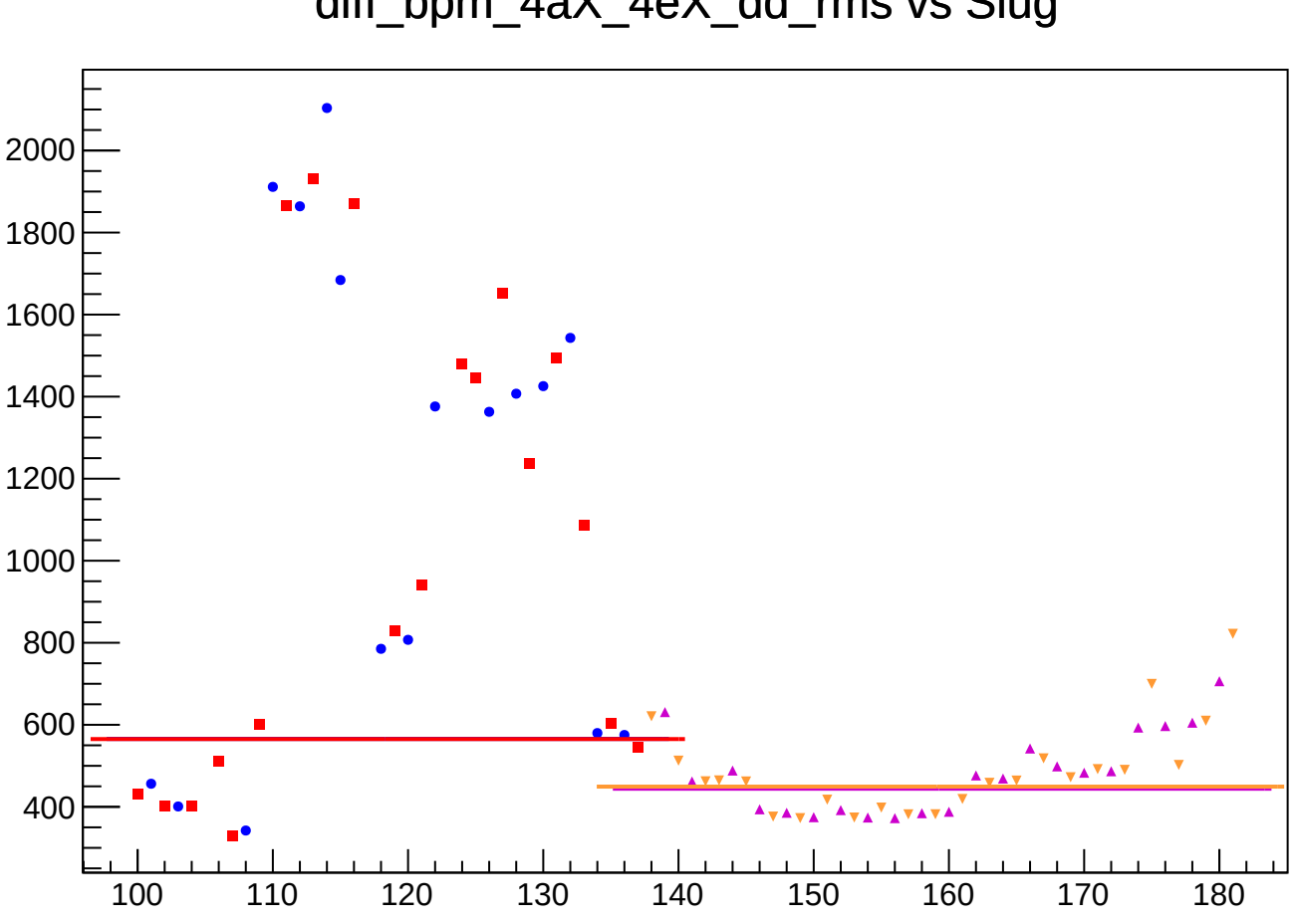
Right Out: -0.144+/-0.244 χ^2/NDF: 22.5/18

Left In: -0.058+/-0.109 χ^2/NDF:27.4/20

+ sign -0.345+/-0.098 χ^2/NDF: 41.8/38

All: -0.211+/-0.070 χ^2/NDF: 95.6/78

- sign -0.072+/-0.100 χ^2/NDF: 50.0/39



Right In: 565.531+/-0.173 χ^2/NDF: 3450533.8/15

Left Out: 449.290+/-0.076 χ^2/NDF:1220212.2/22

Right Out: 565.223+/-0.173 χ^2/NDF: 3571620.7/18

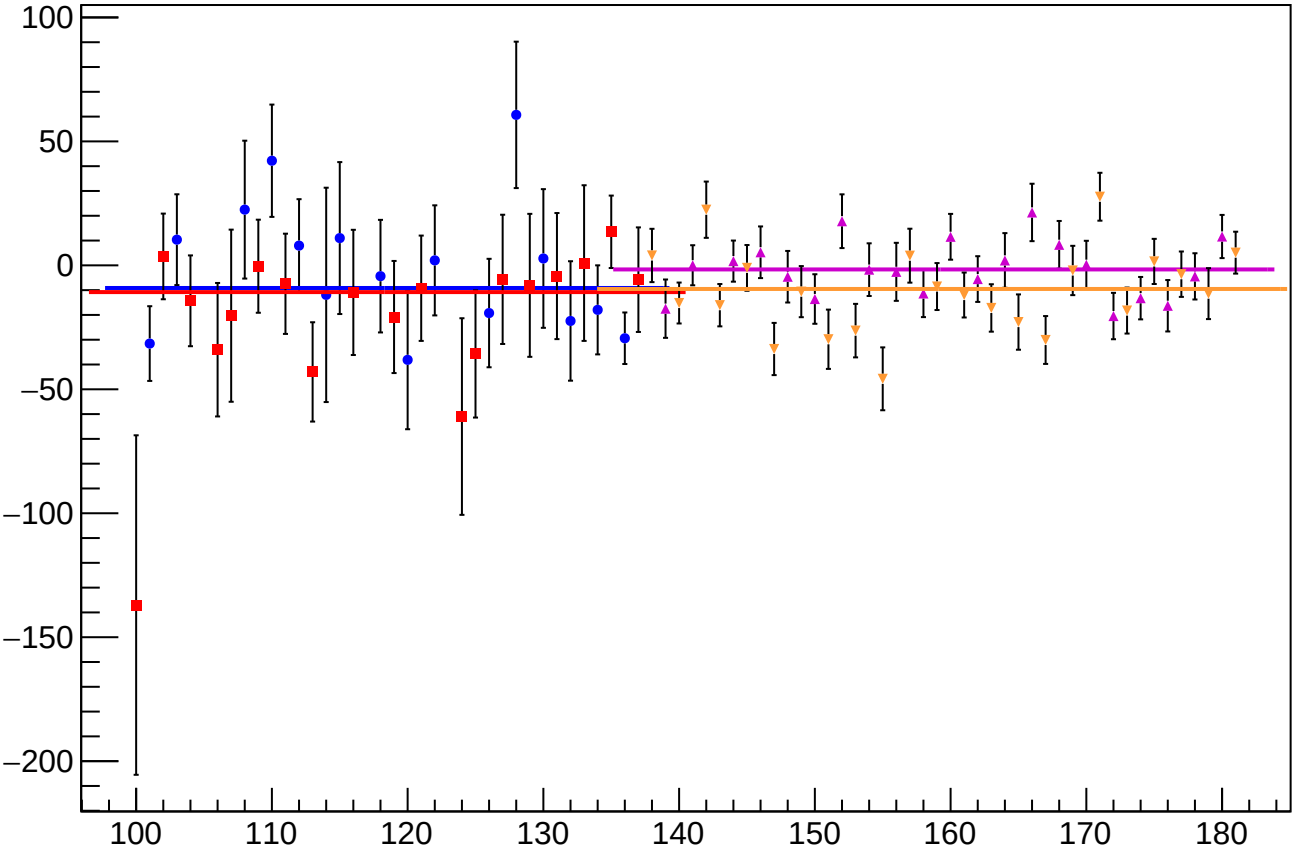
Left In: 444.147+/-0.077 χ^2/NDF:1154077.2/20

+ sign 468.148+/-0.070 χ^2/NDF: 5050621.8/38

All: 466.291+/-0.050 χ^2/NDF: 10186719.8/78

- sign 464.374+/-0.071 χ^2/NDF: 5134647.9/39

diff_bpm_4aX_4ecX_avg_mean vs Slug



Right In: -9.130+/-5.069 χ^2/NDF: 22.7/15

Left Out: -9.526+/-2.049 χ^2/NDF:59.7/22

Right Out: -10.788+/-5.227 χ^2/NDF: 13.7/18

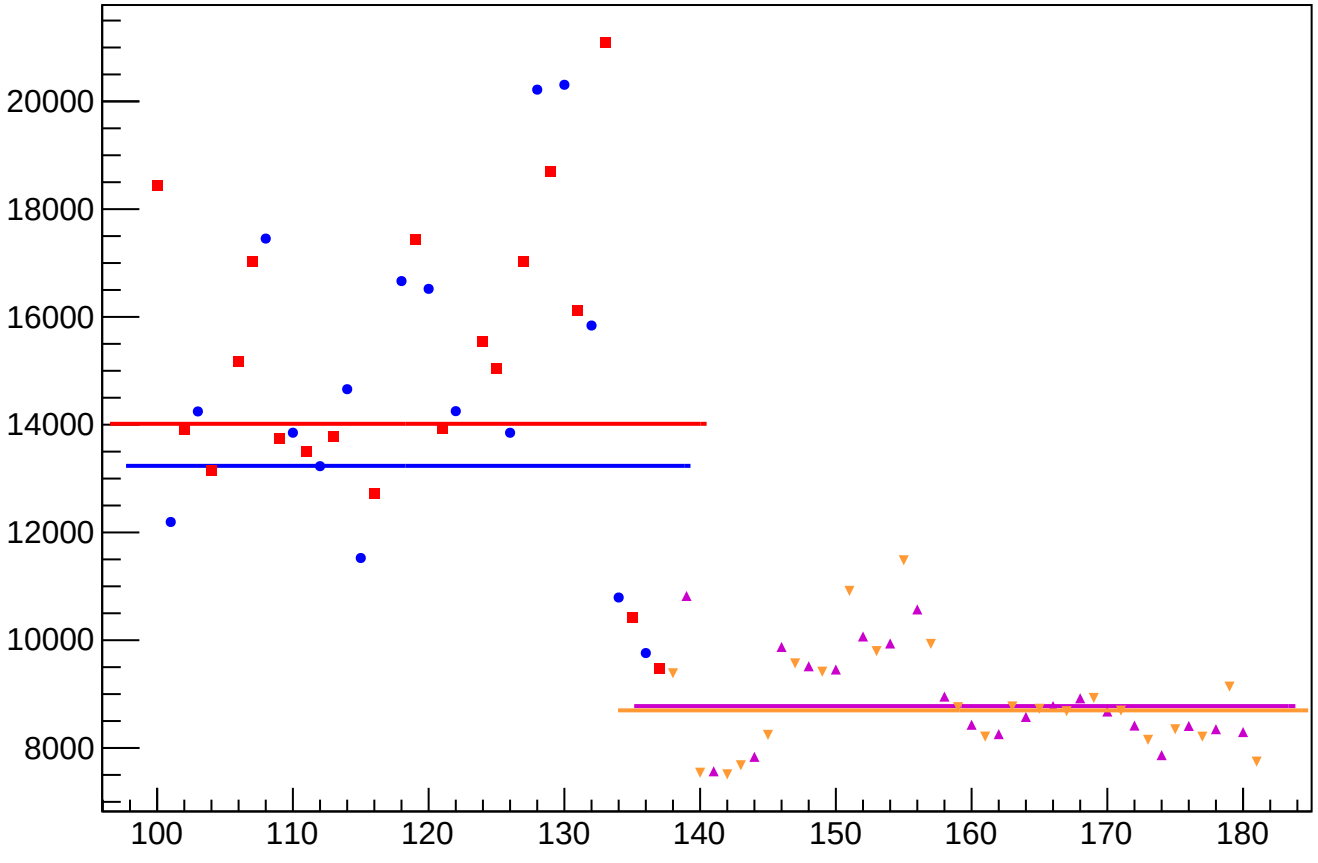
Left In: -1.648+/-2.127 χ^2/NDF:25.9/20

+ sign -9.470+/-1.900 χ^2/NDF: 82.4/38

All: -6.327+/-1.368 χ^2/NDF: 130.3/78

- sign -2.947+/-1.970 χ^2/NDF: 42.2/39

diff_bpm_4aX_4ecX_avg_rms vs Slug



Right In: 13235.828+/-3.585 χ^2/NDF: 673887.0/15

Left Out: 8698.010+/-1.449 χ^2/NDF:389548.8/22

Right Out: 14016.035+/-3.696 χ^2/NDF: 498592.9/18

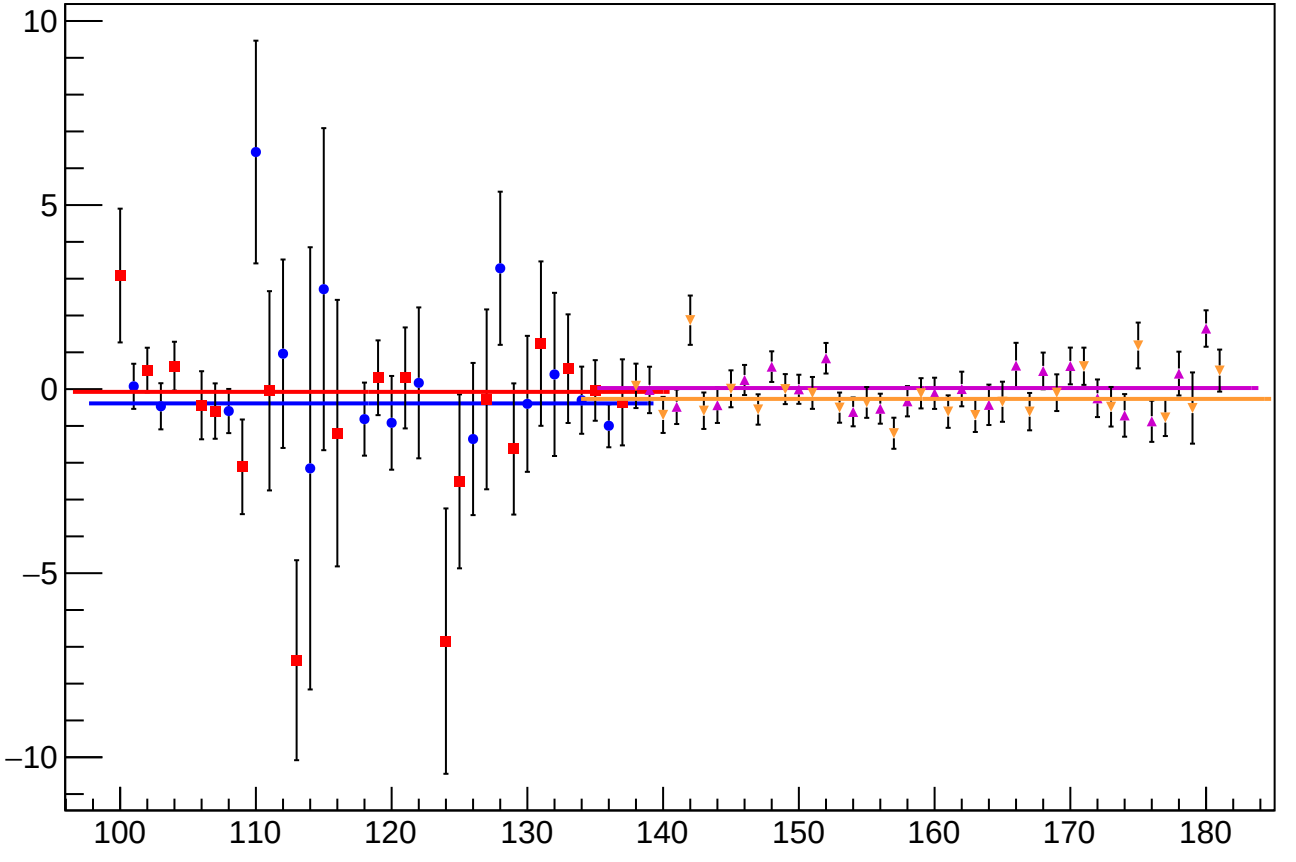
Left In: 8777.547+/-1.504 χ^2/NDF:321528.2/20

+ sign 9335.252+/-1.343 χ^2/NDF: 2441018.2/38

All: 9425.082+/-0.967 χ^2/NDF: 4993582.7/78

- sign 9521.713+/-1.393 χ^2/NDF: 2543281.4/39

diff_bpm_4aX_4ecX_dd_mean vs Slug



Right In: -0.388+/-0.256 χ^2/NDF: 11.7/15

Left Out: -0.266+/-0.102 χ^2/NDF:32.2/22

Right Out: -0.075+/-0.265 χ^2/NDF: 21.7/18

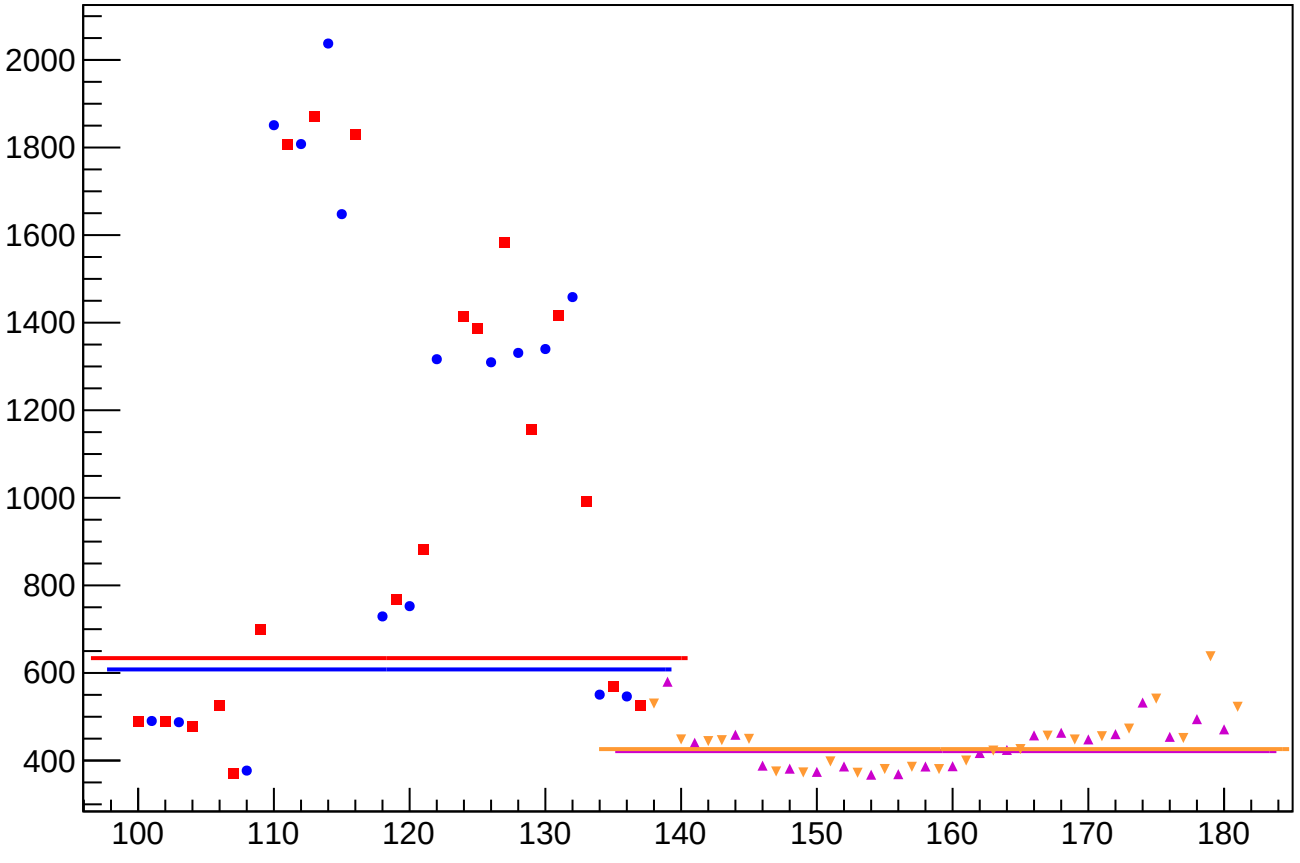
Left In: 0.029+/-0.103 χ^2/NDF:33.3/20

+ sign -0.282+/-0.094 χ^2/NDF: 44.1/38

All: -0.135+/-0.067 χ^2/NDF: 104.1/78

- sign 0.016+/-0.096 χ^2/NDF: 55.1/39

diff_bpm_4aX_4ecX_dd_rms vs Slug



Right In: 608.063+/-0.181 χ^2/NDF: 2852722.1/15

Left Out: 426.114+/-0.072 χ^2/NDF:514844.0/22

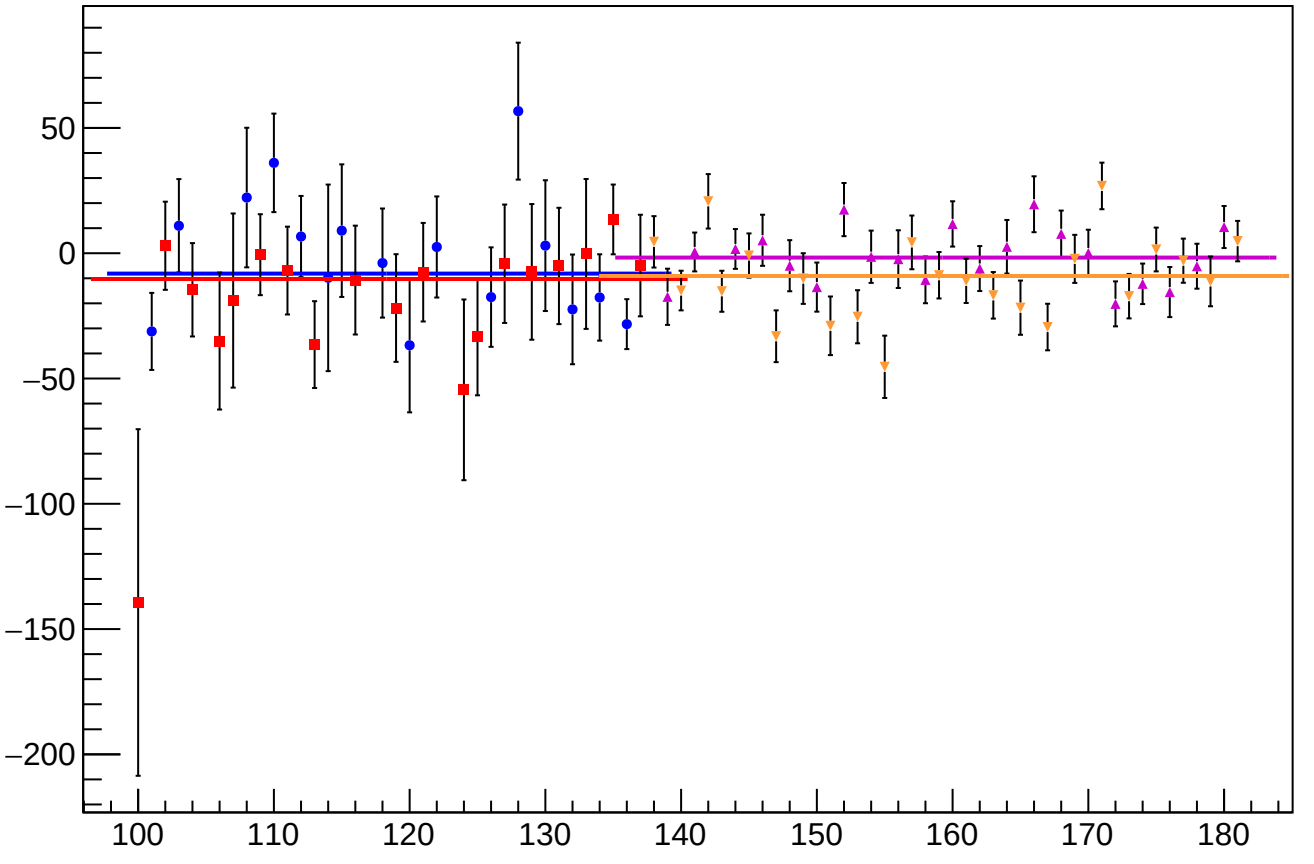
Right Out: 633.883+/-0.187 χ^2/NDF: 2788449.1/18

Left In: 421.492+/-0.073 χ^2/NDF:484310.8/20

+ sign 450.939+/-0.067 χ^2/NDF: 4242053.2/38

All: 450.149+/-0.048 χ^2/NDF: 8635446.3/78

- sign 449.336+/-0.068 χ^2/NDF: 4393109.0/39



Right In: -8.132+/-4.779 χ^2/NDF: 23.1/15

Left Out: -9.078+/-1.980 χ^2/NDF:60.1/22

Right Out: -10.288+/-4.873 χ^2/NDF: 13.7/18

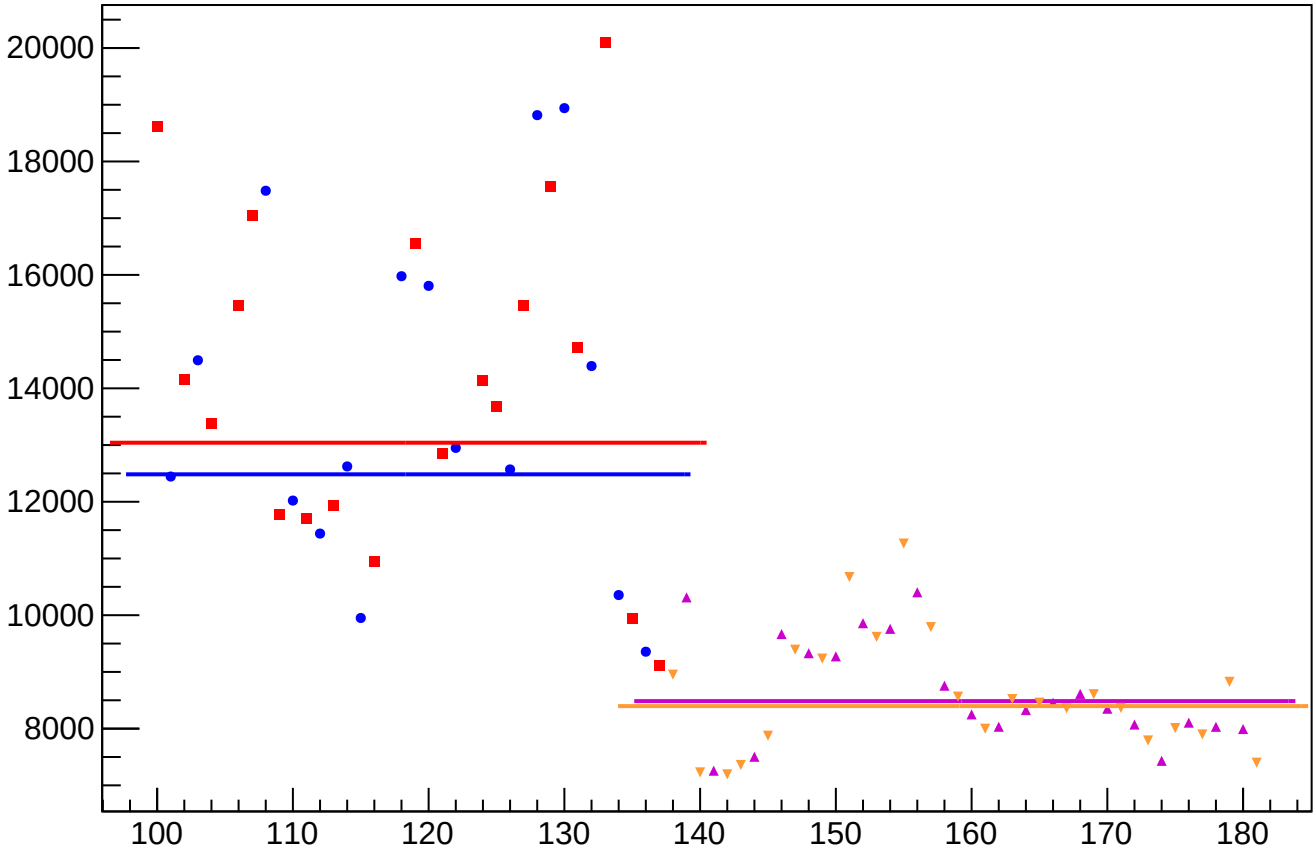
Left In: -1.741+/-2.058 χ^2/NDF:25.8/20

+ sign -8.940+/-1.829 χ^2/NDF: 83.3/38

All: -6.093+/-1.316 χ^2/NDF: 130.4/78

- sign -3.034+/-1.896 χ^2/NDF: 42.1/39

diff_bpm_4eX_4ecX_avg_rms vs Slug



Right In: 12483.955+/-3.379 χ^2/NDF: 671560.0/15

Left Out: 8396.877+/-1.400 χ^2/NDF:447796.4/22

Right Out: 13041.241+/-3.446 χ^2/NDF: 544486.8/18

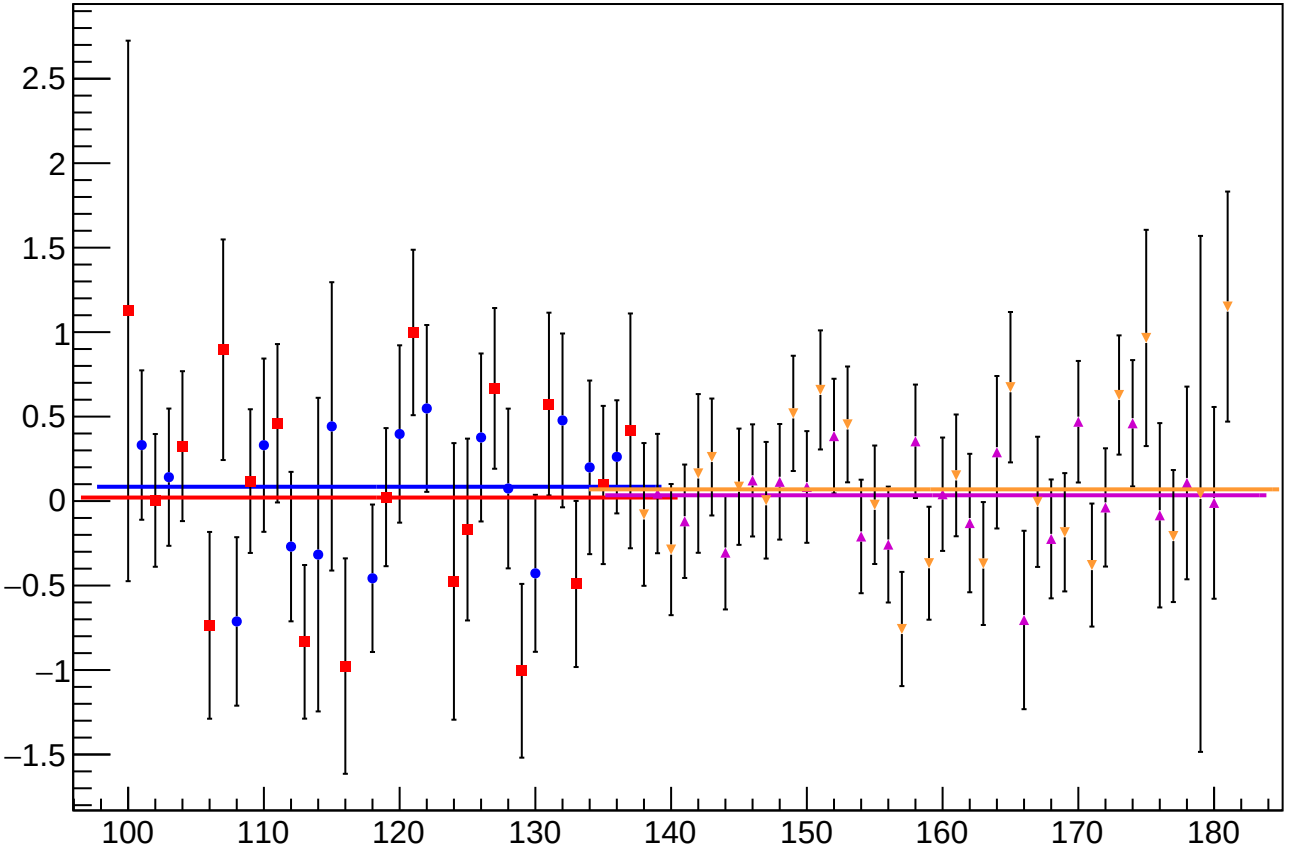
Left In: 8485.427+/-1.455 χ^2/NDF:368579.6/20

+ sign 8995.506+/-1.293 χ^2/NDF: 2367847.0/38

All: 9081.922+/-0.931 χ^2/NDF: 4773545.2/78

- sign 9174.751+/-1.340 χ^2/NDF: 2396437.6/39

diff_bpm_4eX_4ecX_dd_mean vs Slug



Right In: 0.085+/-0.120 χ^2/NDF: 9.4/15

Left Out: 0.069+/-0.080 χ^2/NDF:27.8/22

Right Out: 0.021+/-0.117 χ^2/NDF: 24.3/18

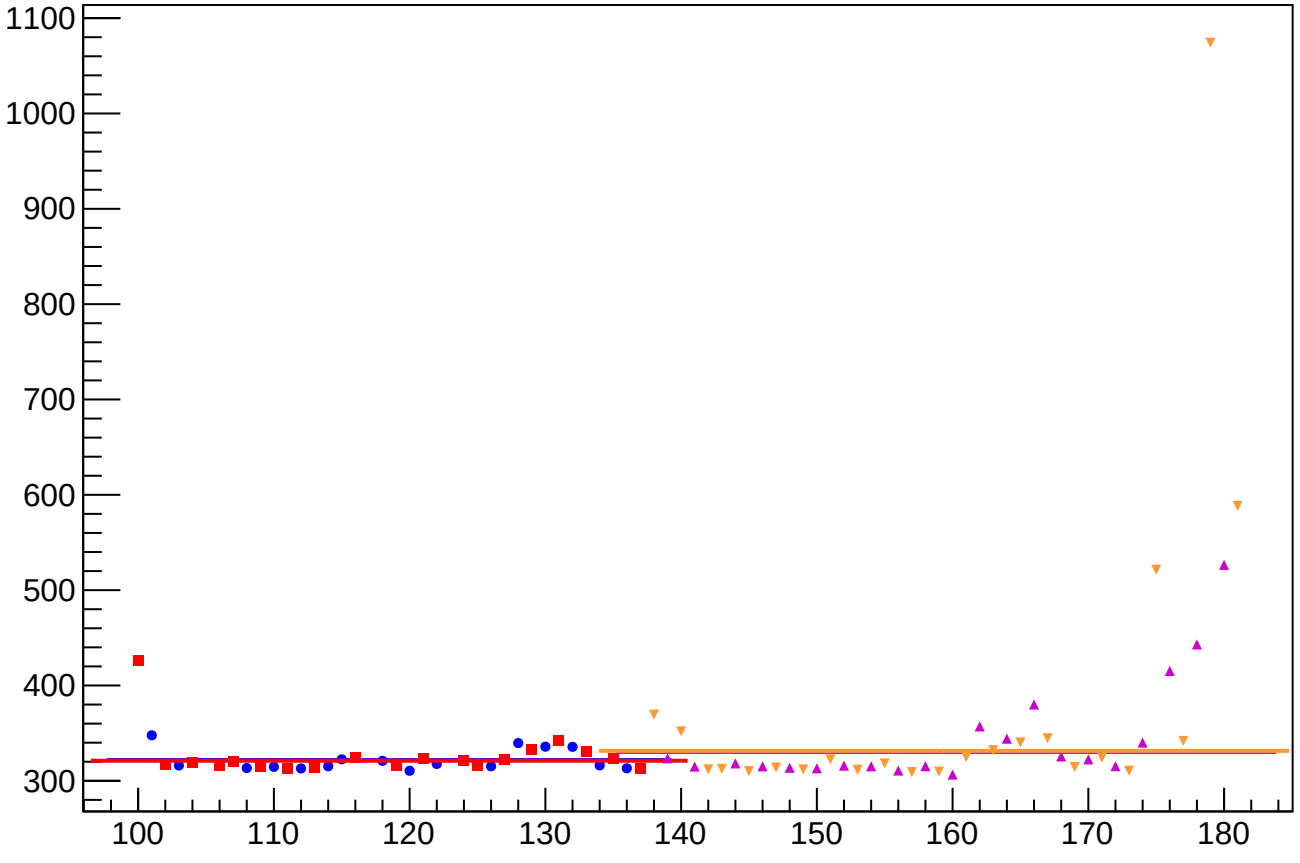
Left In: 0.034+/-0.081 χ^2/NDF:10.4/20

+ sign 0.074+/-0.067 χ^2/NDF: 37.2/38

All: 0.052+/-0.047 χ^2/NDF: 72.2/78

- sign 0.030+/-0.067 χ^2/NDF: 34.7/39

diff_bpm_4eX_4ecX_dd_rms vs Slug



Right In: 321.727+/-0.085 χ^2/NDF: 18214.6/15

Left Out: 331.449+/-0.057 χ^2/NDF:1030380.1/22

Right Out: 321.093+/-0.083 χ^2/NDF: 16579.3/18

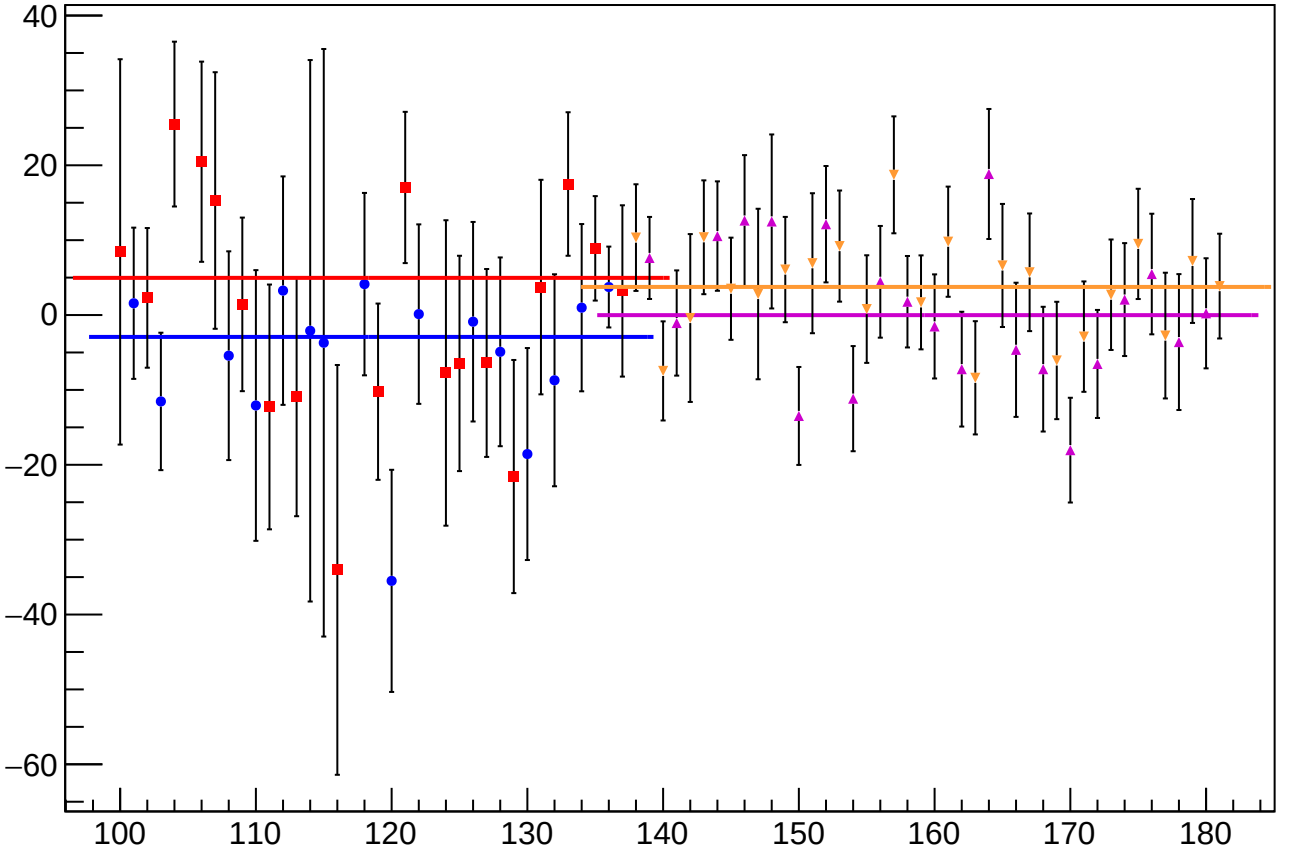
Left In: 330.302+/-0.057 χ^2/NDF:449962.7/20

+ sign 328.450+/-0.047 χ^2/NDF: 1057648.9/38

All: 327.887+/-0.033 χ^2/NDF: 1532787.2/78

- sign 327.322+/-0.047 χ^2/NDF: 474852.6/39

diff_bpm_4aY_4acY_avg_mean vs Slug



Right In: -2.922+/-2.910 χ^2/NDF: 9.8/15

Left Out: 3.755+/-1.590 χ^2/NDF:16.6/22

Right Out: 4.965+/-2.824 χ^2/NDF: 19.4/18

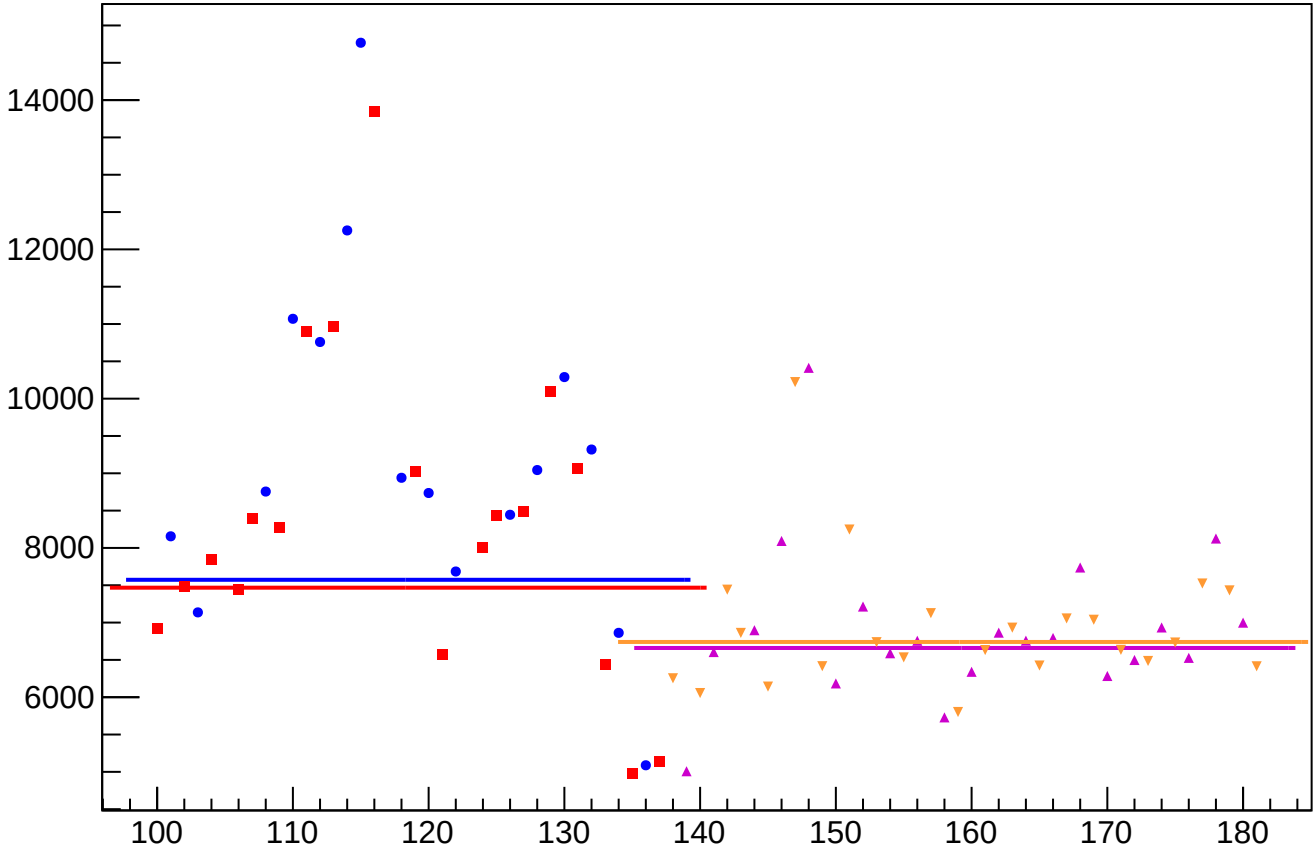
Left In: -0.013+/-1.625 χ^2/NDF:31.8/20

+ sign 2.220+/-1.395 χ^2/NDF: 30.5/38

All: 1.727+/-0.991 χ^2/NDF: 84.2/78

- sign 1.225+/-1.408 χ^2/NDF: 53.5/39

diff_bpm_4aY_4acY_avg_rms vs Slug



Right In: 7573.161+/-2.058 χ^2/NDF: 897588.4/15

Left Out: 6740.199+/-1.124 χ^2/NDF:398089.8/22

Right Out: 7467.477+/-1.997 χ^2/NDF: 828353.3/18

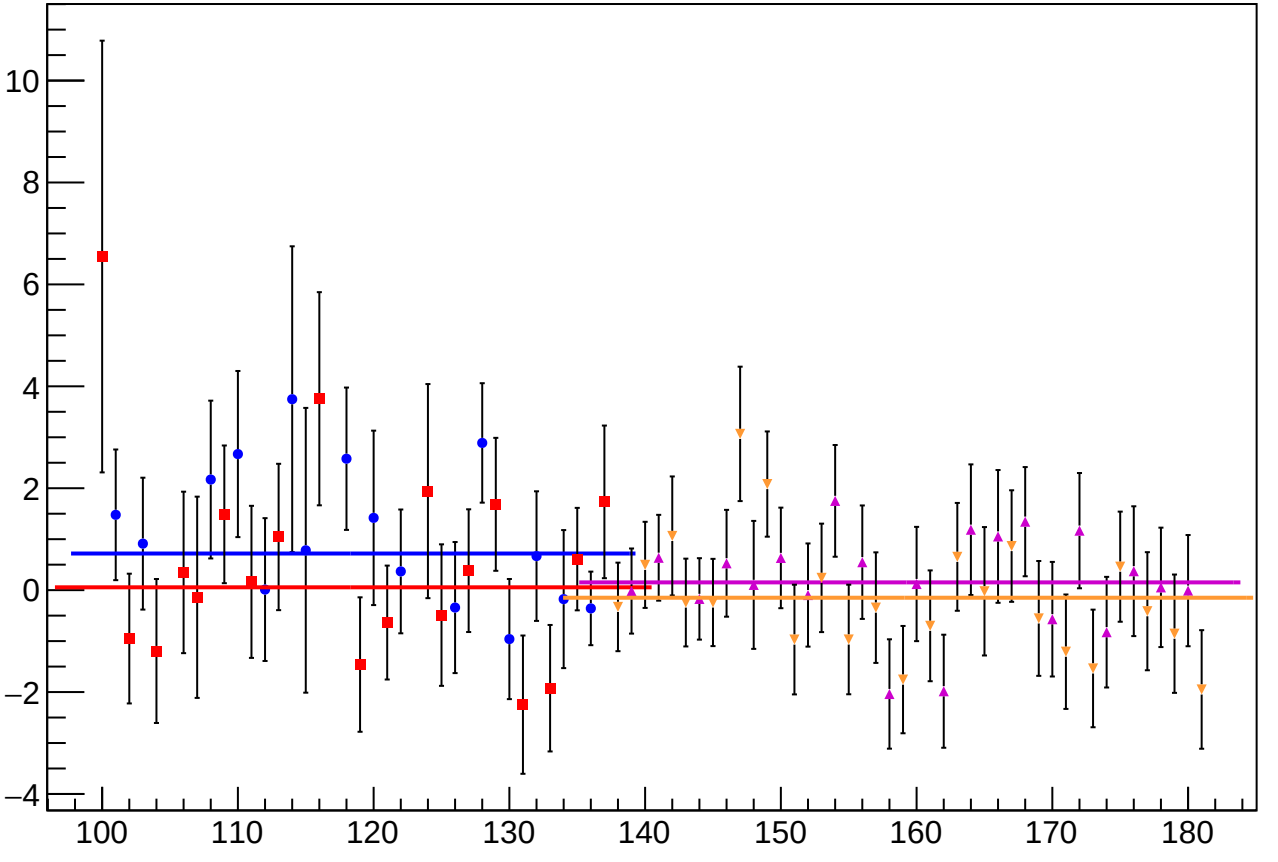
Left In: 6659.526+/-1.149 χ^2/NDF:620353.4/20

+ sign 6931.638+/-0.987 χ^2/NDF: 1421857.6/38

All: 6896.363+/-0.701 χ^2/NDF: 2996148.6/78

- sign 6860.429+/-0.996 χ^2/NDF: 1571710.2/39

diff_bpm_4aY_4acY_dd_mean vs Slug



Right In: 0.719+/-0.326 χ^2/NDF: 14.8/15

Left Out: -0.149+/-0.220 χ^2/NDF:23.3/22

Right Out: 0.056+/-0.323 χ^2/NDF: 19.8/18

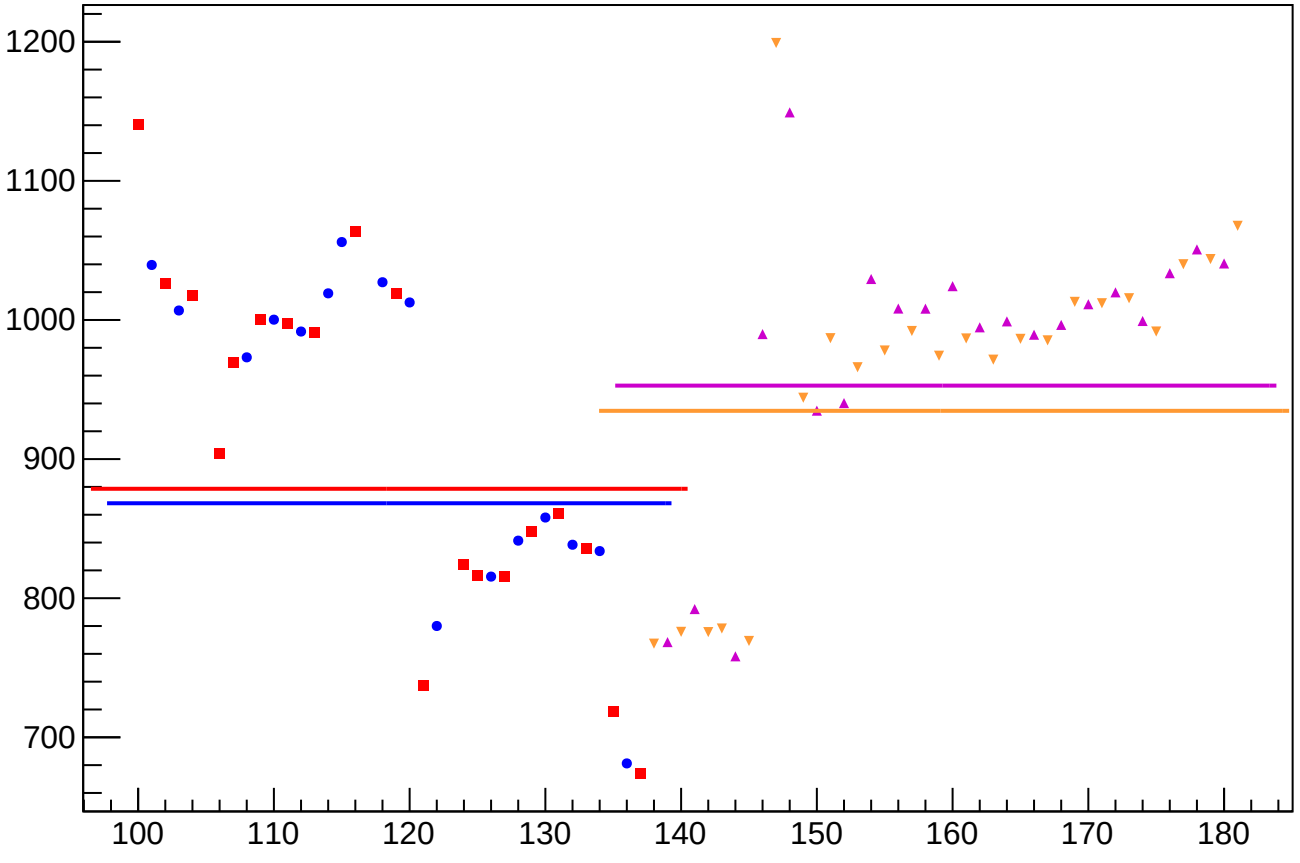
Left In: 0.152+/-0.231 χ^2/NDF:15.5/20

+ sign 0.123+/-0.182 χ^2/NDF: 42.9/38

All: 0.121+/-0.131 χ^2/NDF: 78.4/78

- sign 0.120+/-0.188 χ^2/NDF: 35.4/39

diff_bpm_4aY_4acY_dd_rms vs Slug



Right In: 868.253+/-0.230 χ^2/NDF: 302409.6/15

Left Out: 934.694+/-0.156 χ^2/NDF:530994.3/22

Right Out: 878.658+/-0.229 χ^2/NDF: 272530.7/18

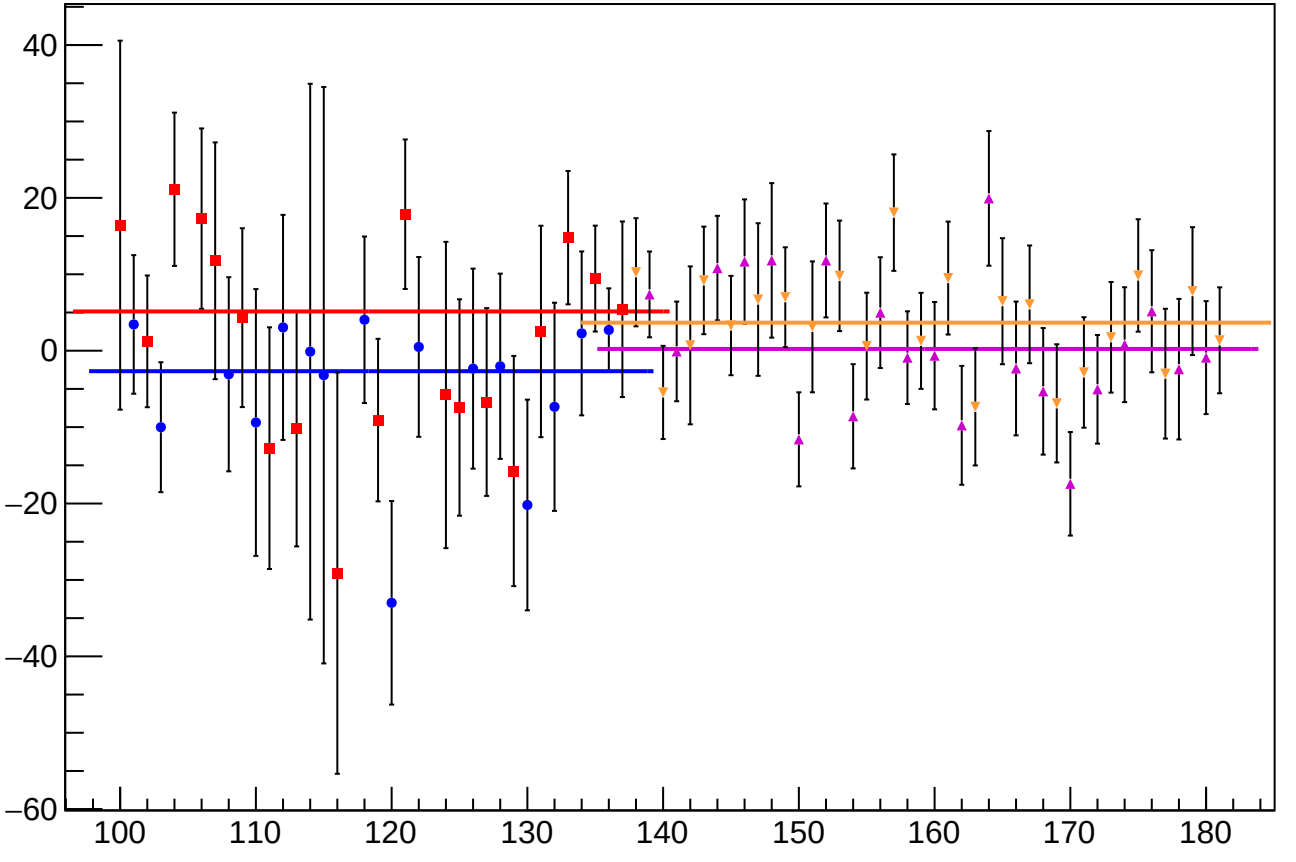
Left In: 952.820+/-0.163 χ^2/NDF:430851.9/20

\+ sign 913.899+/-0.129 χ^2/NDF: 890505.2/38

All: 920.623+/-0.093 χ^2/NDF: 1669158.8/78

\- sign 927.767+/-0.133 χ^2/NDF: 773044.3/39

diff_bpm_4aY_4eY_avg_mean vs Slug



Right In: -2.683+/-2.788 χ^2/NDF: 10.1/15

Left Out: 3.669+/-1.546 χ^2/NDF:16.1/22

Right Out: 5.136+/-2.692 χ^2/NDF: 17.3/18

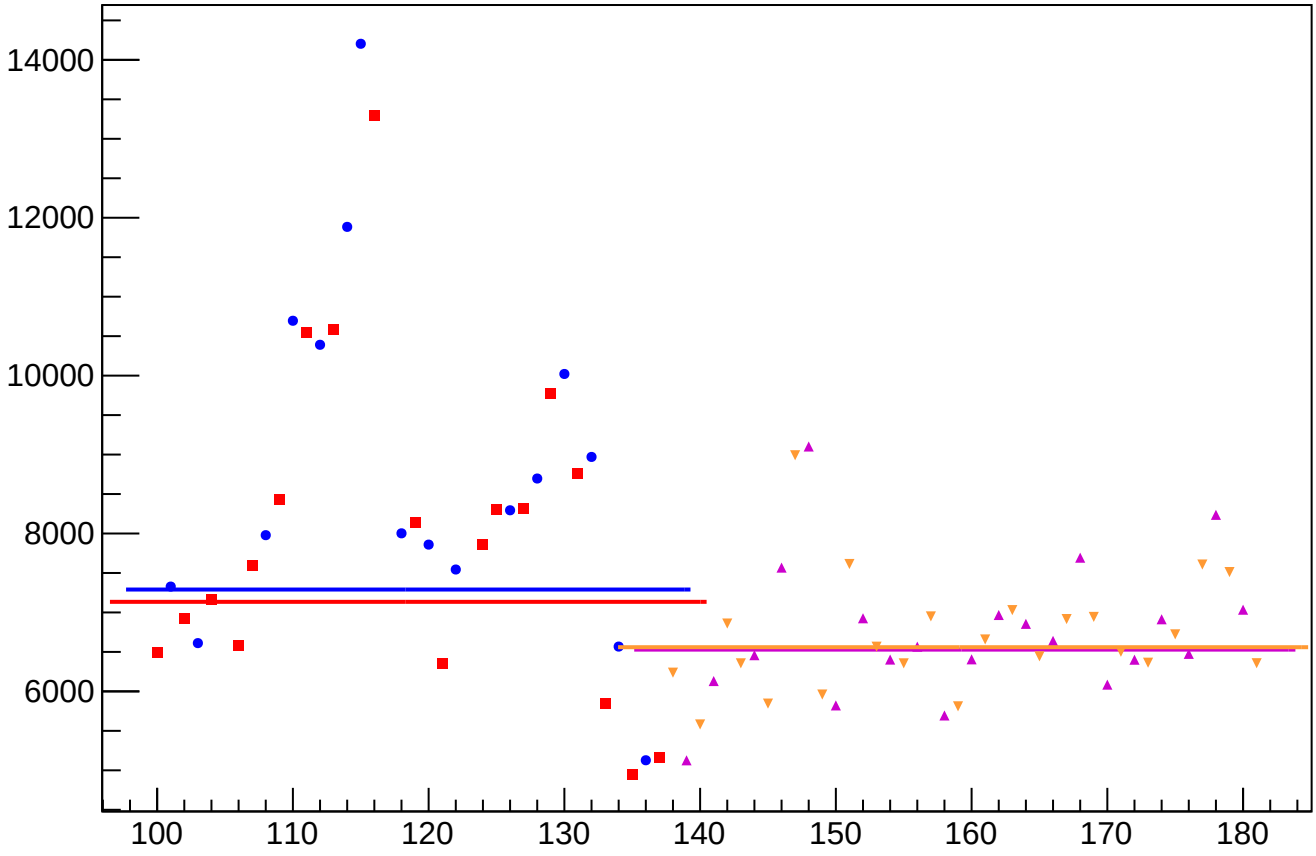
Left In: 0.230+/-1.589 χ^2/NDF:30.6/20

+ sign 2.176+/-1.352 χ^2/NDF: 30.2/38

All: 1.841+/-0.962 χ^2/NDF: 80.6/78

- sign 1.498+/-1.369 χ^2/NDF: 50.3/39

diff_bpm_4aY_4eY_avg_rms vs Slug



Right In: 7290.246+/-1.972 χ^2/NDF: 770518.2/15

Left Out: 6559.553+/-1.093 χ^2/NDF:362327.7/22

Right Out: 7134.411+/-1.903 χ^2/NDF: 792788.1/18

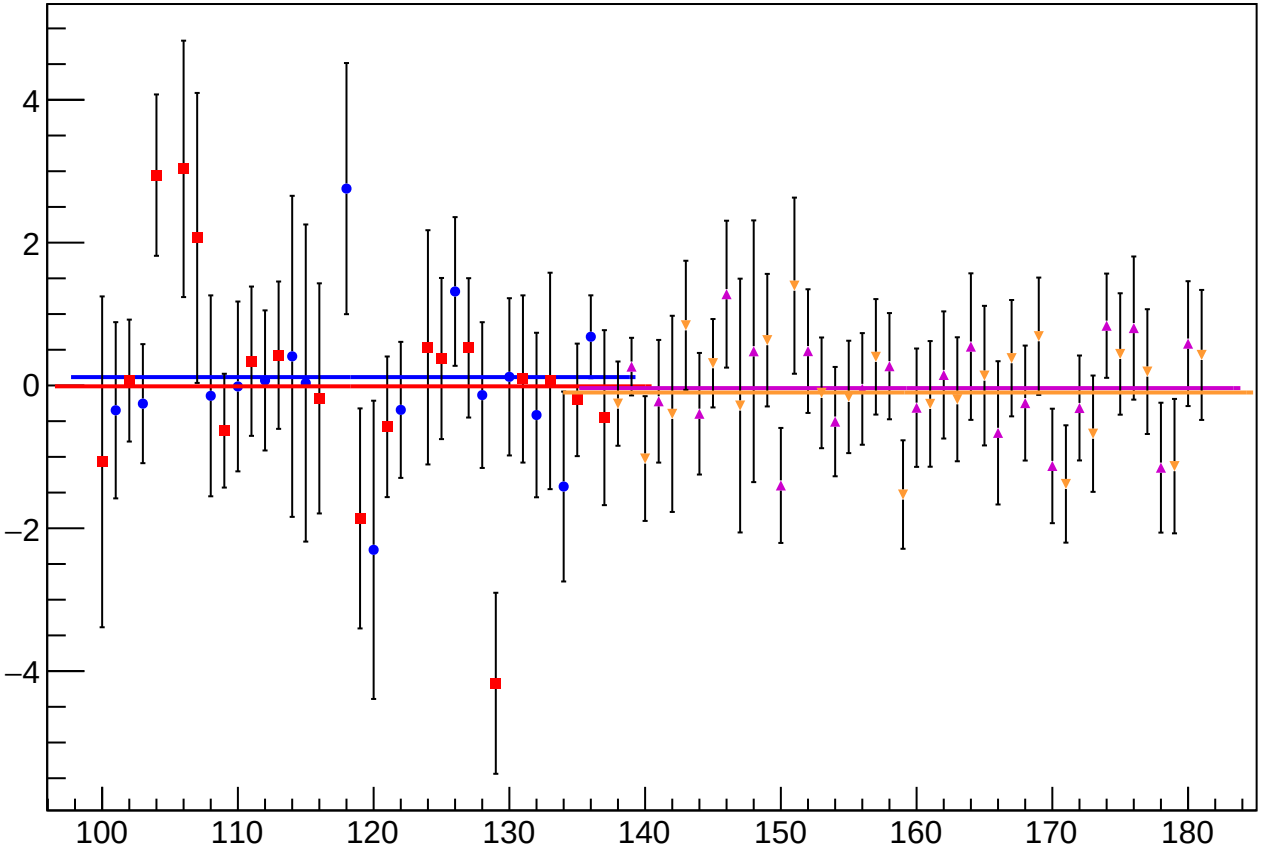
Left In: 6529.091+/-1.124 χ^2/NDF:507627.0/20

+ sign 6731.315+/-0.956 χ^2/NDF: 1237916.4/38

All: 6708.704+/-0.680 χ^2/NDF: 2614457.4/78

- sign 6685.532+/-0.968 χ^2/NDF: 1375408.1/39

diff_bpm_4aY_4eY_dd_mean vs Slug



Right In: 0.117+/-0.273 χ^2/NDF: 8.1/15

Left Out: -0.099+/-0.177 χ^2/NDF:15.1/22

Right Out: -0.012+/-0.263 χ^2/NDF: 25.2/18

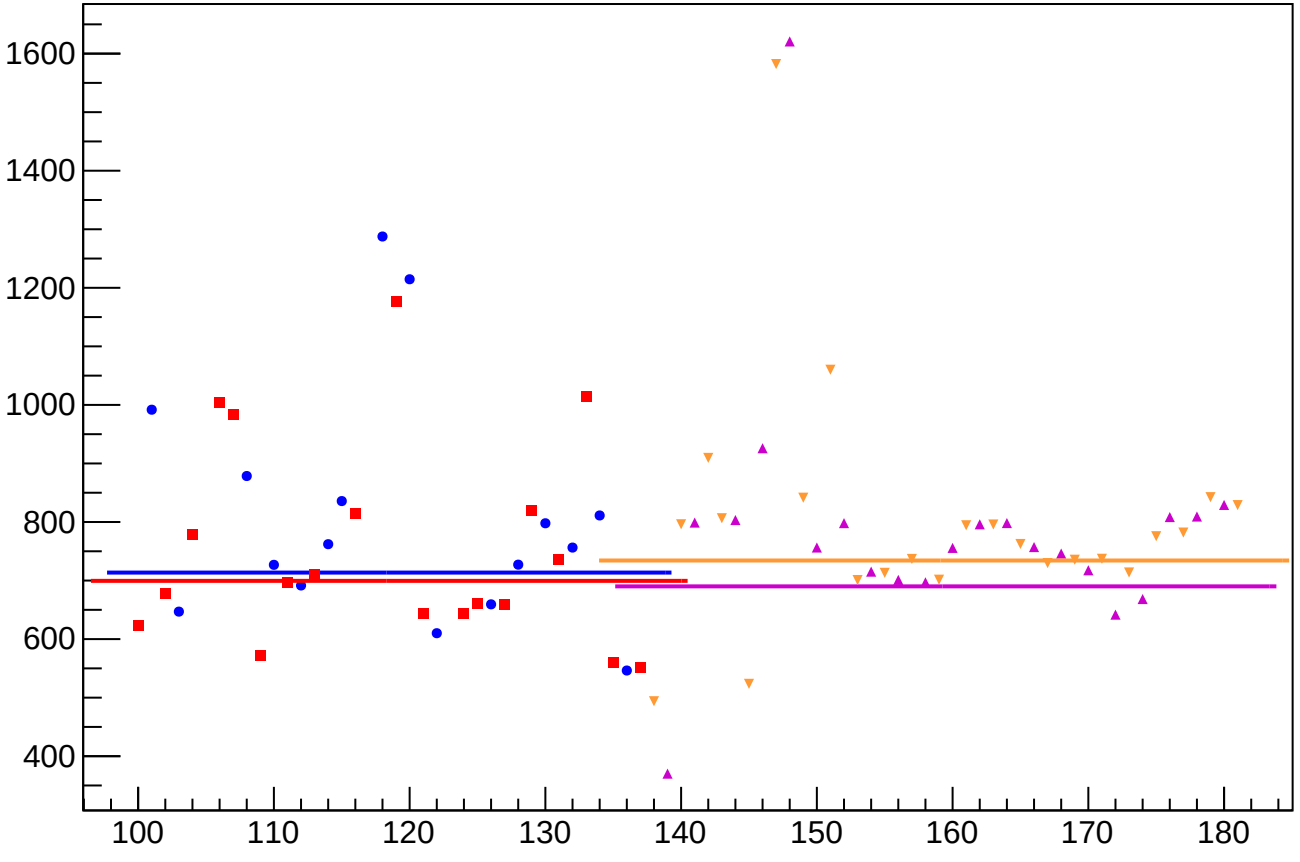
Left In: -0.037+/-0.174 χ^2/NDF:13.3/20

+ sign -0.035+/-0.149 χ^2/NDF: 23.7/38

All: -0.032+/-0.104 χ^2/NDF: 62.2/78

- sign -0.029+/-0.145 χ^2/NDF: 38.5/39

diff_bpm_4aY_4eY_dd_rms vs Slug



Right In: 713.627+/-0.193 χ^2/NDF: 699303.9/15

Left Out: 734.254+/-0.125 χ^2/NDF:1330860.9/22

Right Out: 699.502+/-0.186 χ^2/NDF: 575759.9/18

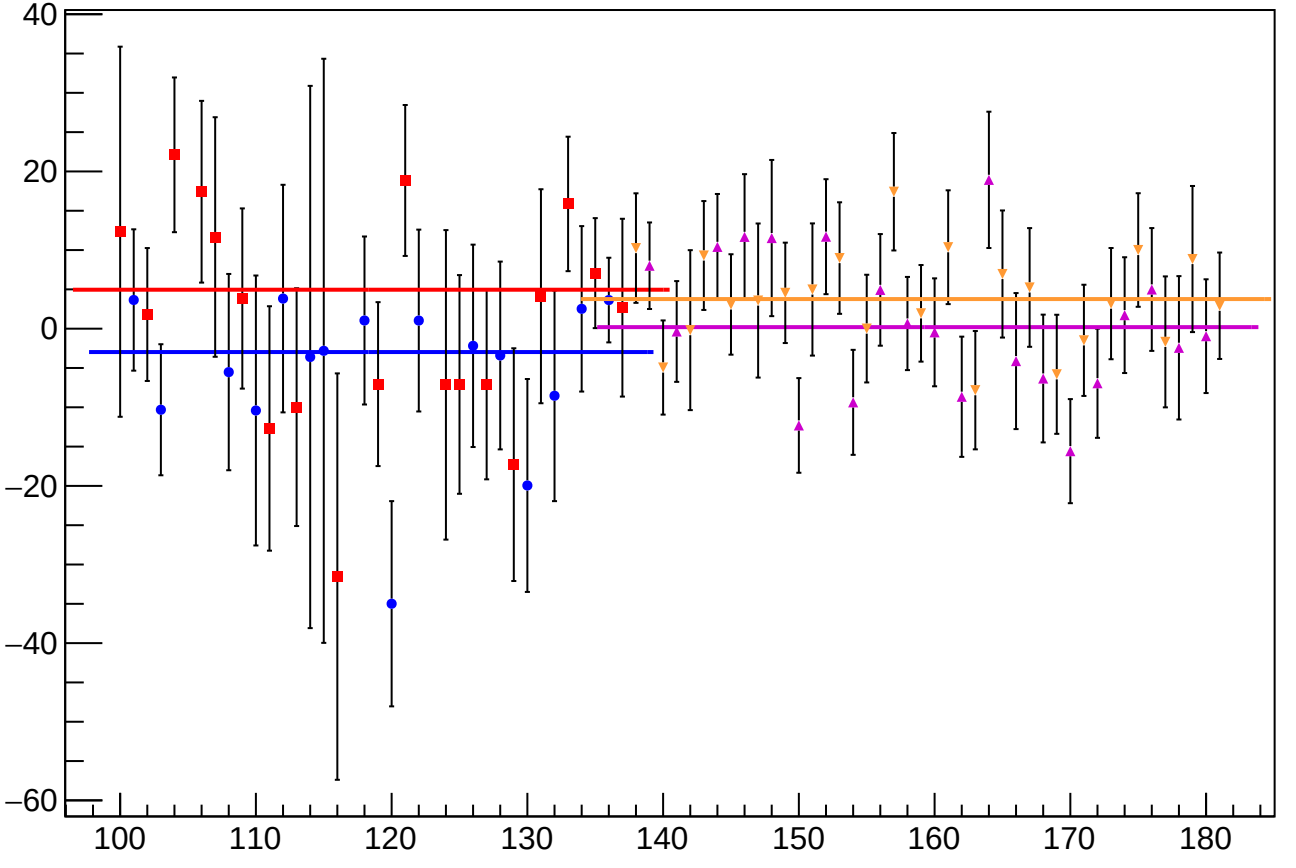
Left In: 690.071+/-0.123 χ^2/NDF:2201946.3/20

+ sign 728.152+/-0.105 χ^2/NDF: 2038195.2/38

All: 710.107+/-0.073 χ^2/NDF: 4875269.2/78

- sign 692.932+/-0.102 χ^2/NDF: 2779495.3/39

diff_bpm_4aY_4ecY_avg_mean vs Slug



Right In: -2.974+/-2.746 χ^2/NDF: 11.6/15

Left Out: 3.767+/-1.521 χ^2/NDF:15.1/22

Right Out: 4.955+/-2.653 χ^2/NDF: 18.5/18

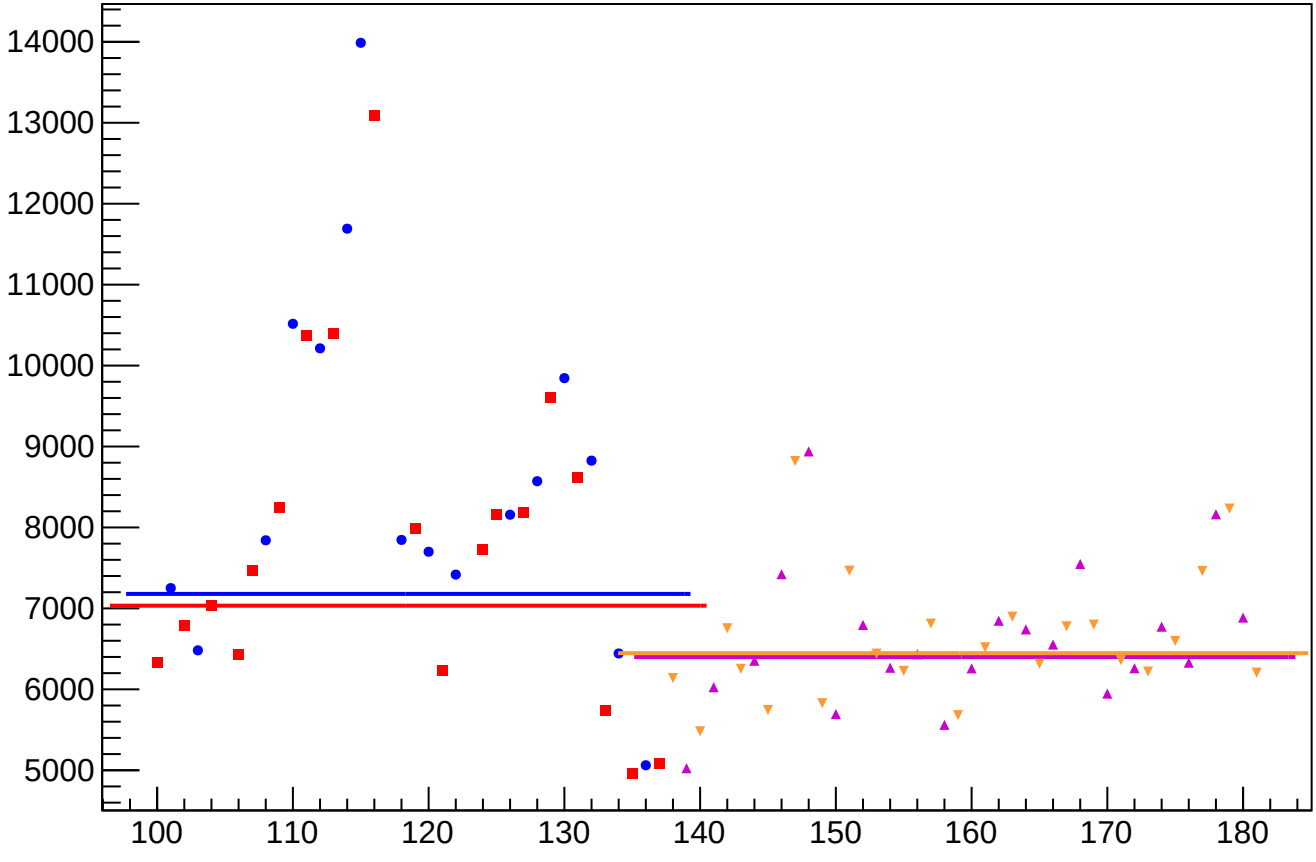
Left In: 0.196+/-1.558 χ^2/NDF:31.2/20

+ sign 2.184+/-1.331 χ^2/NDF: 31.3/38

All: 1.804+/-0.945 χ^2/NDF: 83.5/78

- sign 1.417+/-1.344 χ^2/NDF: 52.0/39

diff_bpm_4aY_4ecY_avg_rms vs Slug



Right In: 7178.925+/-1.942 χ^2/NDF: 761936.2/15

Left Out: 6446.659+/-1.076 χ^2/NDF:412265.1/22

Right Out: 7033.538+/-1.876 χ^2/NDF: 766389.2/18

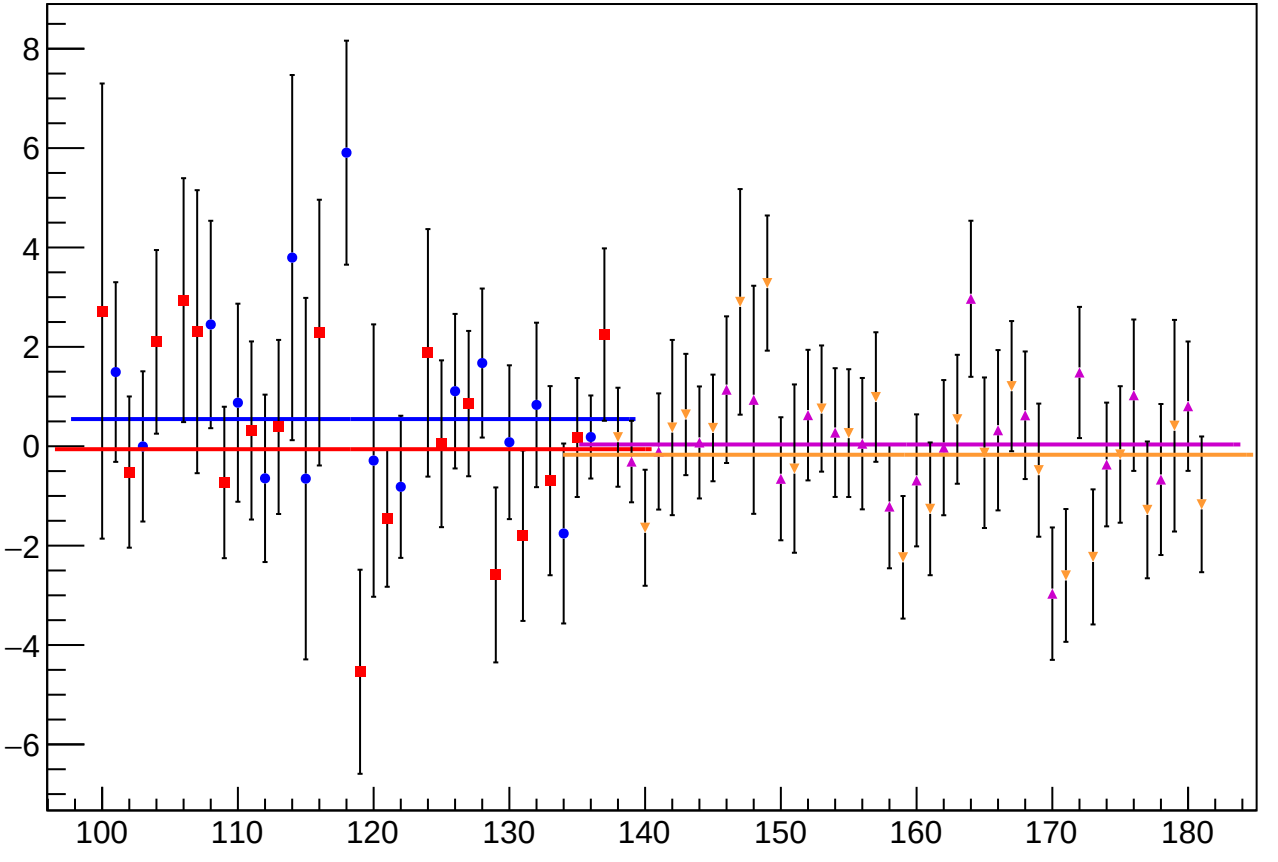
Left In: 6399.131+/-1.102 χ^2/NDF:520168.2/20

+ sign 6618.603+/-0.941 χ^2/NDF: 1283023.9/38

All: 6590.486+/-0.669 χ^2/NDF: 2656409.1/78

- sign 6561.820+/-0.950 χ^2/NDF: 1371581.7/39

diff_bpm_4aY_4ecY_dd_mean vs Slug



Right In: 0.547+/-0.411 χ^2/NDF: 11.9/15

Left Out: -0.171+/-0.279 χ^2/NDF:24.0/22

Right Out: -0.059+/-0.409 χ^2/NDF: 16.9/18

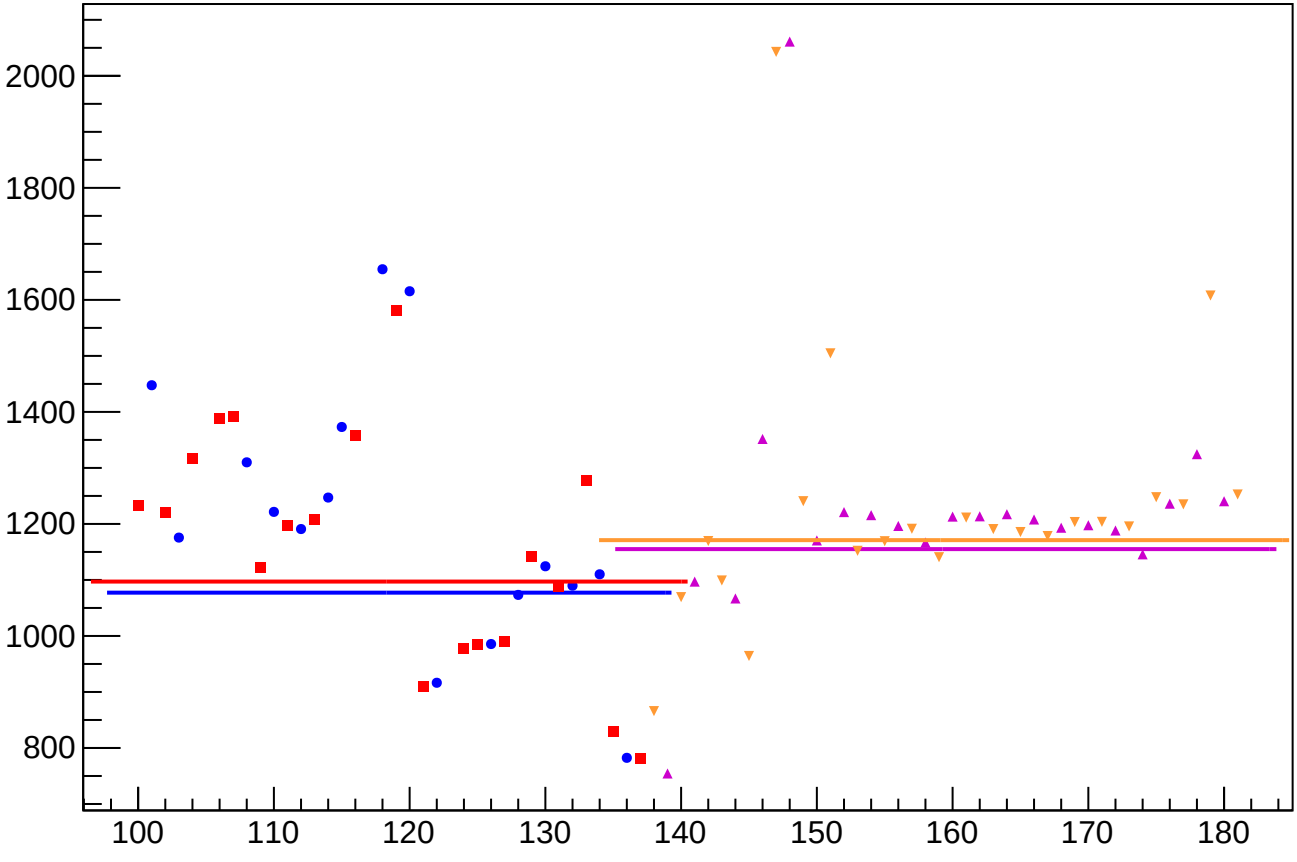
Left In: 0.036+/-0.284 χ^2/NDF:13.9/20

+ sign 0.056+/-0.231 χ^2/NDF: 38.1/38

All: 0.031+/-0.164 χ^2/NDF: 68.8/78

- sign 0.005+/-0.233 χ^2/NDF: 30.8/39

diff_bpm_4aY_4ecY_dd_rms vs Slug



Right In: 1077.306+/-0.291 χ^2/NDF: 646521.7/15

Left Out: 1171.066+/-0.198 χ^2/NDF:771366.9/22

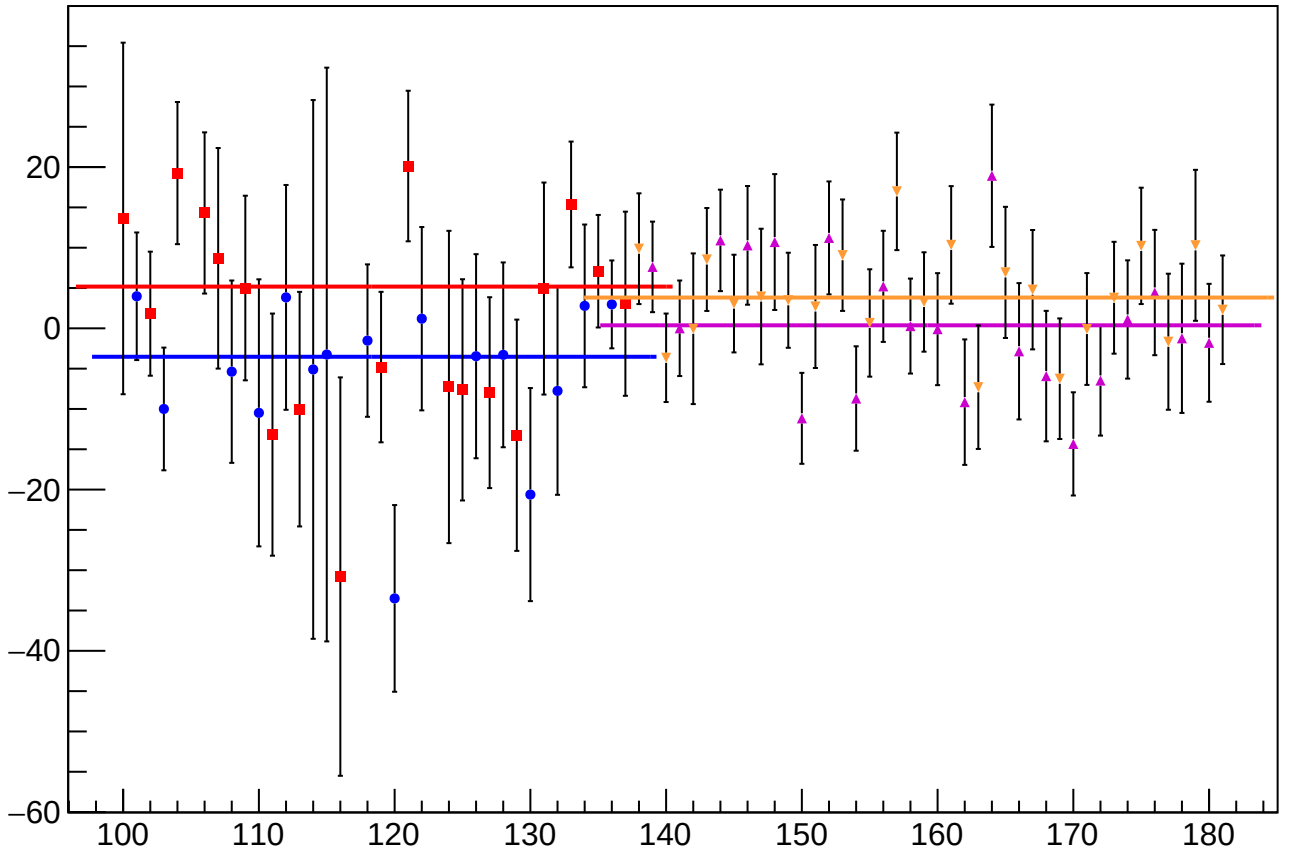
Right Out: 1097.108+/-0.289 χ^2/NDF: 484370.7/18

Left In: 1155.056+/-0.200 χ^2/NDF:910771.6/20

+ sign 1141.408+/-0.163 χ^2/NDF: 1489091.7/38

All: 1138.845+/-0.116 χ^2/NDF: 2911862.3/78

- sign 1136.240+/-0.165 χ^2/NDF: 1422274.5/39



Right In: -3.527+/-2.608 χ^2/NDF: 12.6/15

Left Out: 3.819+/-1.472 χ^2/NDF:14.4/22

Right Out: 5.176+/-2.508 χ^2/NDF: 18.2/18

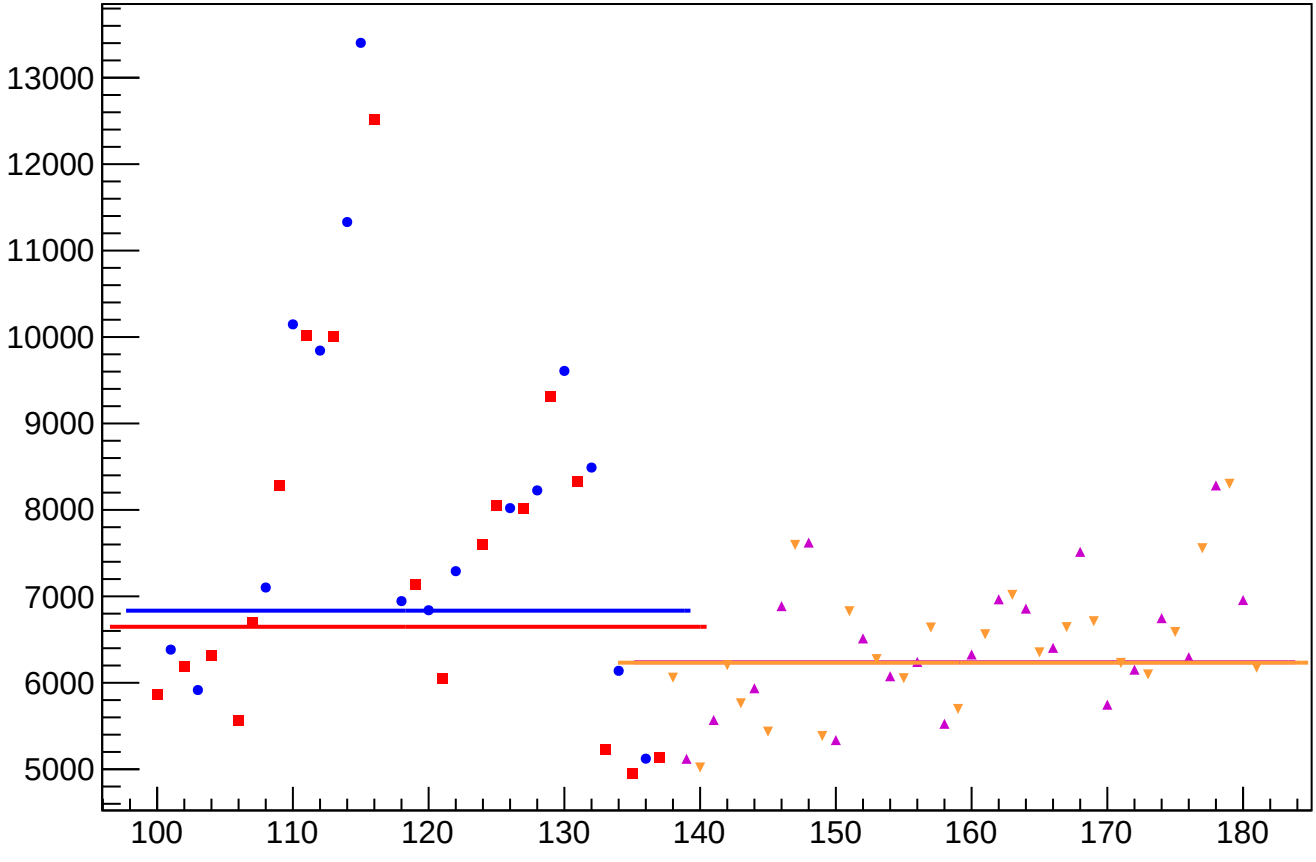
Left In: 0.375+/-1.518 χ^2/NDF:30.2/20

+ sign 2.045+/-1.282 χ^2/NDF: 33.0/38

All: 1.856+/-0.912 χ^2/NDF: 84.2/78

- sign 1.661+/-1.298 χ^2/NDF: 51.1/39

diff_bpm_4eY_4ecY_avg_rms vs Slug



Right In: 6834.346+/-1.844 χ^2/NDF: 692722.6/15

Left Out: 6232.928+/-1.041 χ^2/NDF:465989.8/22

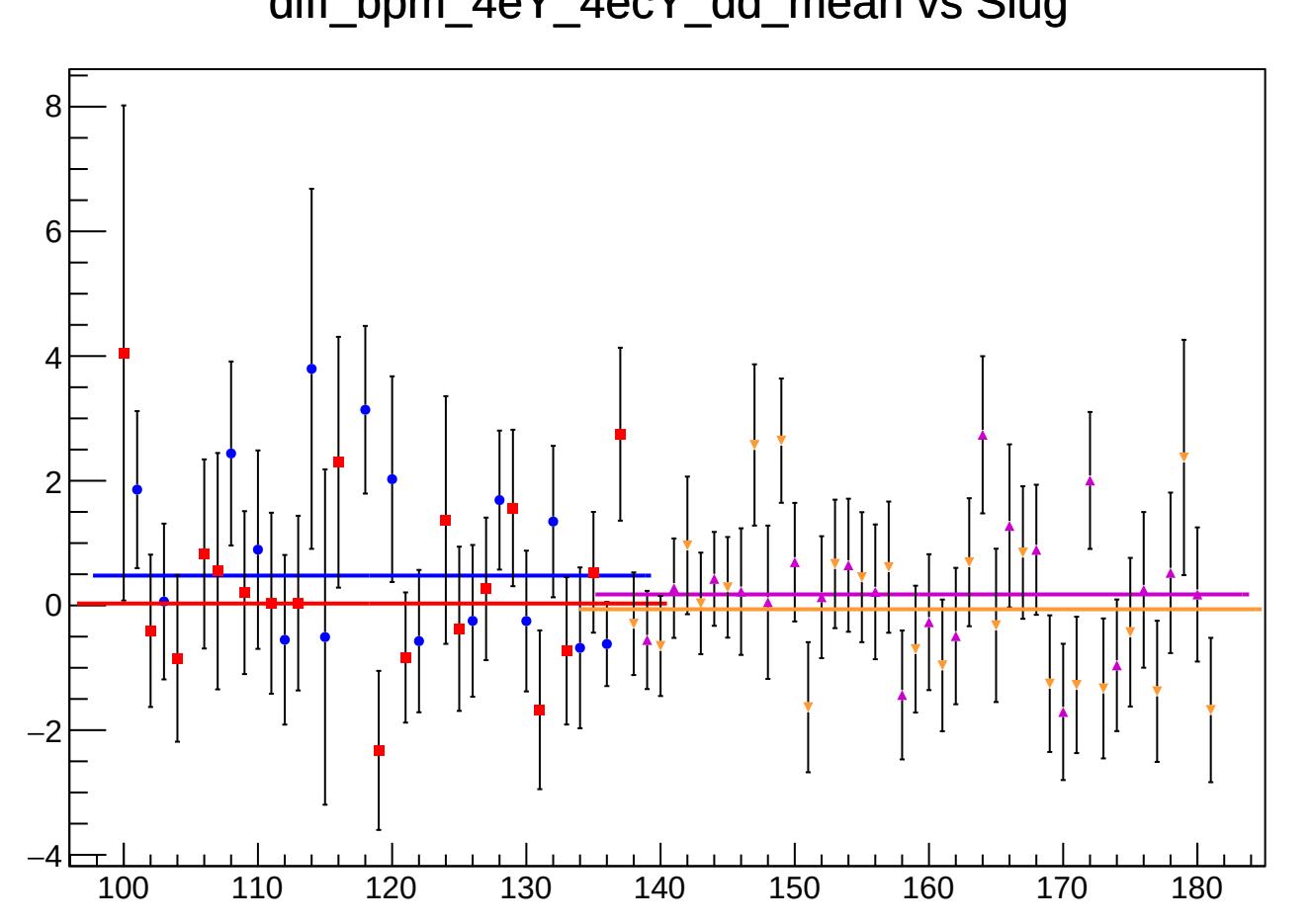
Right Out: 6647.996+/-1.773 χ^2/NDF: 785102.6/18

Left In: 6238.149+/-1.073 χ^2/NDF:480490.7/20

+ sign 6378.159+/-0.906 χ^2/NDF: 1239377.1/38

All: 6363.269+/-0.645 χ^2/NDF: 2544614.4/78

- sign 6347.989+/-0.918 χ^2/NDF: 1304690.3/39



Right In: 0.479+/-0.311 χ^2/NDF: 16.7/15

Left Out: -0.061+/-0.216 χ^2/NDF:27.8/22

Right Out: 0.030+/-0.309 χ^2/NDF: 15.7/18

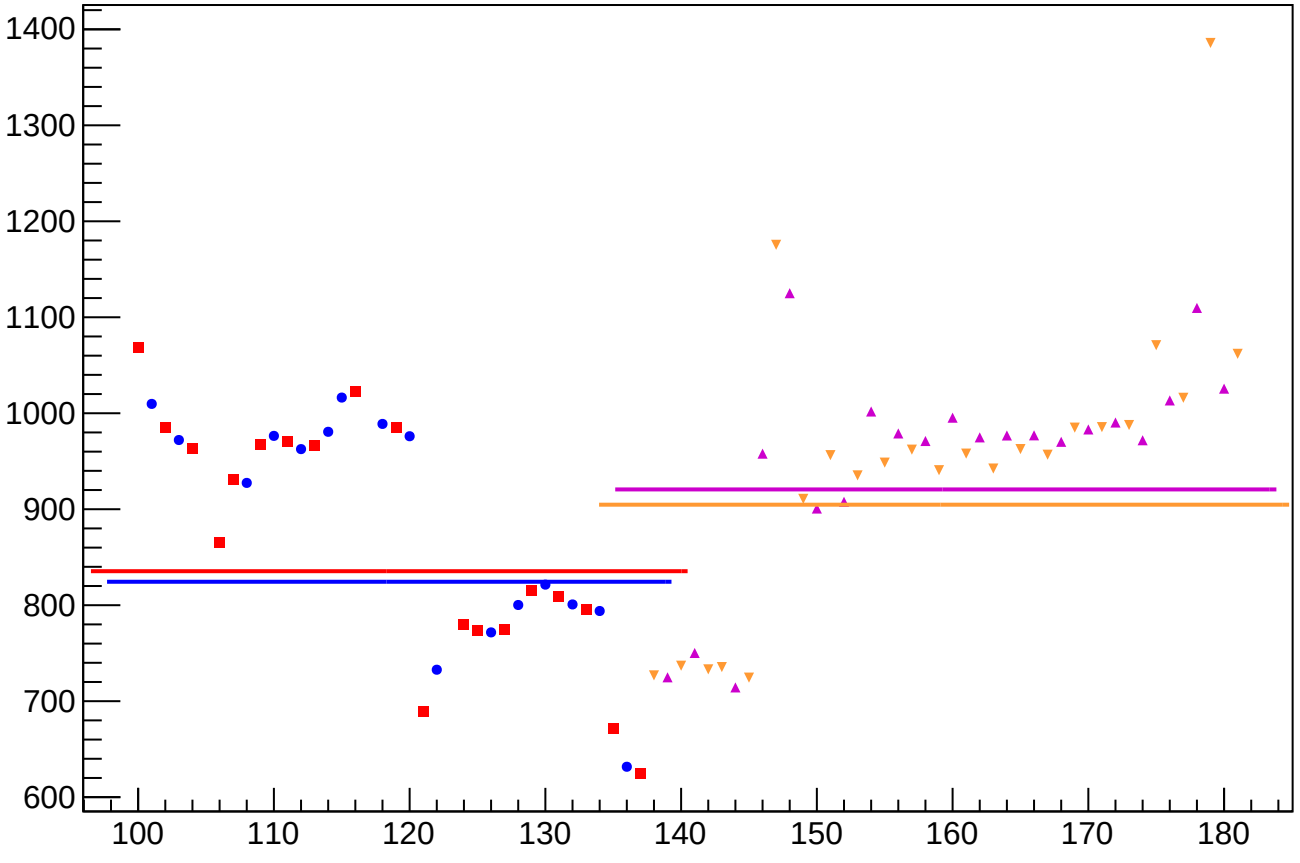
Left In: 0.177+/-0.224 χ^2/NDF:16.7/20

+ sign 0.114+/-0.177 χ^2/NDF: 46.6/38

All: 0.120+/-0.127 χ^2/NDF: 79.2/78

- sign 0.126+/-0.181 χ^2/NDF: 32.6/39

diff_bpm_4eY_4ecY_dd_rms vs Slug



Right In: 824.431+/-0.220 χ^2/NDF: 365461.7/15

Left Out: 904.726+/-0.152 χ^2/NDF:796209.9/22

Right Out: 835.437+/-0.218 χ^2/NDF: 319302.1/18

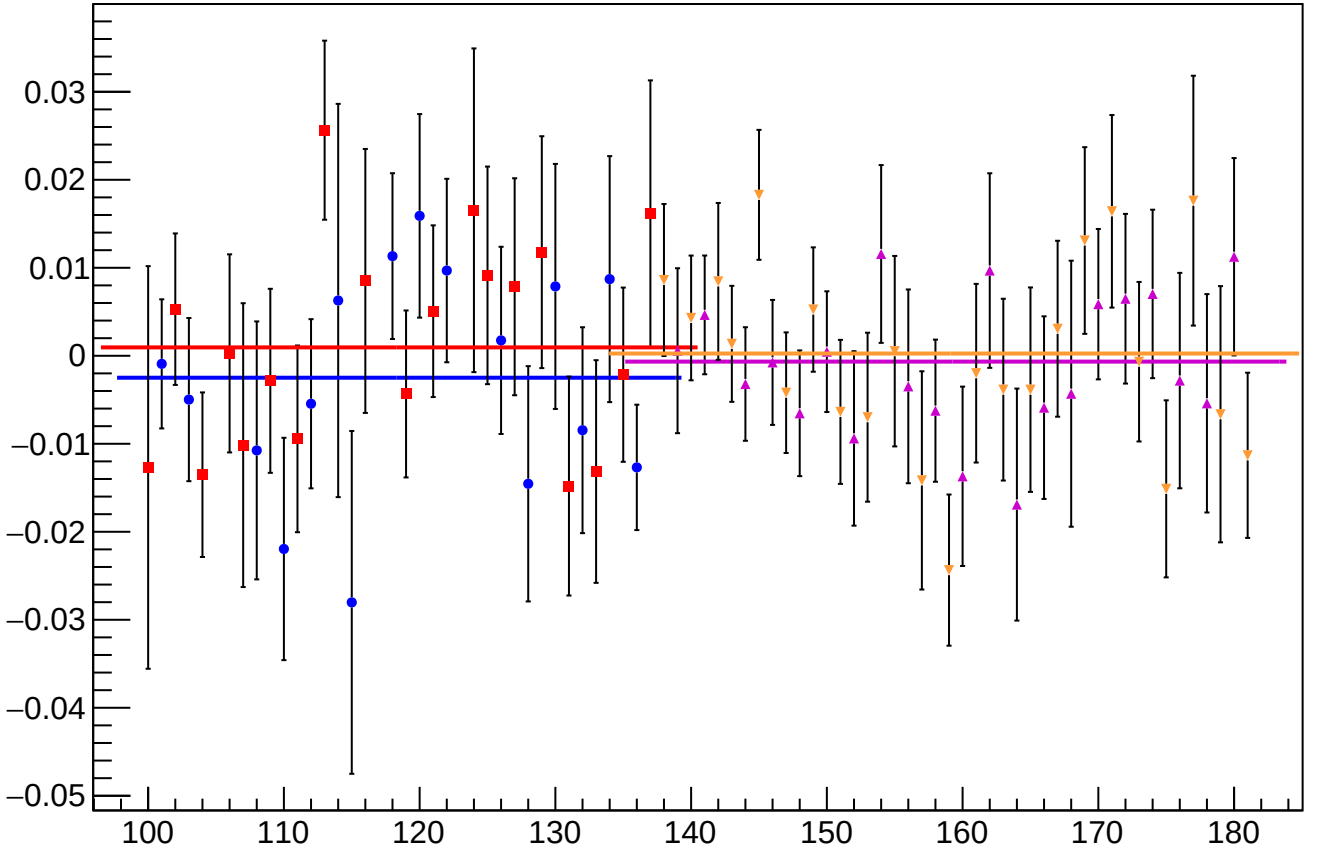
Left In: 920.626+/-0.159 χ^2/NDF:565416.8/20

+ sign 878.641+/-0.125 χ^2/NDF: 1251798.7/38

All: 884.762+/-0.090 χ^2/NDF: 2241174.9/78

- sign 891.180+/-0.128 χ^2/NDF: 984484.5/39

diff_dispE_bpm12X_mean vs Slug



Right In: -0.002+/-0.003 χ^2/NDF: 15.3/15

Left Out: 0.000+/-0.002 χ^2/NDF:29.5/22

Right Out: 0.001+/-0.003 χ^2/NDF: 17.3/18

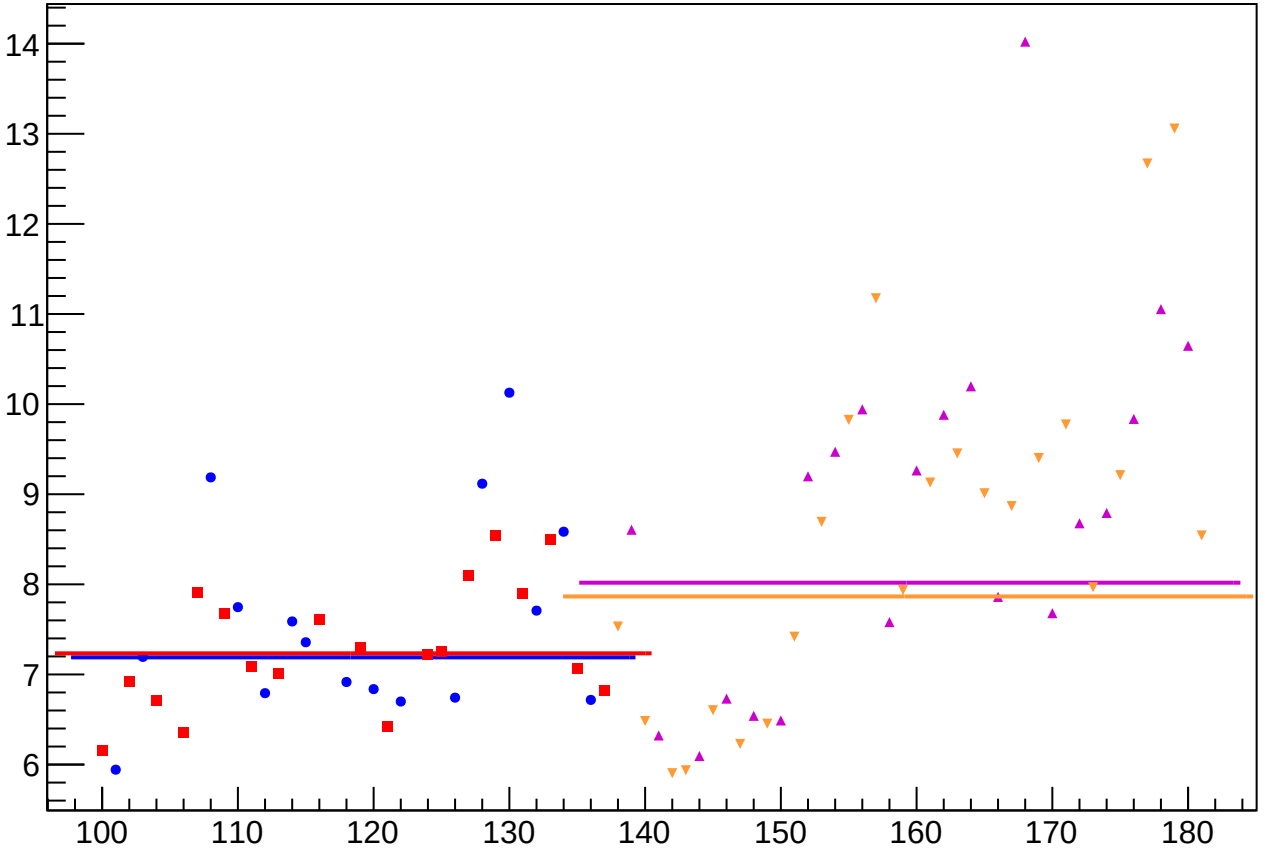
Left In: -0.001+/-0.002 χ^2/NDF:11.7/20

+ sign -0.001+/-0.002 χ^2/NDF: 45.4/38

All: -0.000+/-0.001 χ^2/NDF: 74.7/78

- sign -0.000+/-0.002 χ^2/NDF: 29.2/39

diff_dispE_bpm12X_rms vs Slug



Right In: 7.190+/-0.002 χ^2/NDF: 277639.9/15

Left Out: 7.866+/-0.001 χ^2/NDF:1579097.2/22

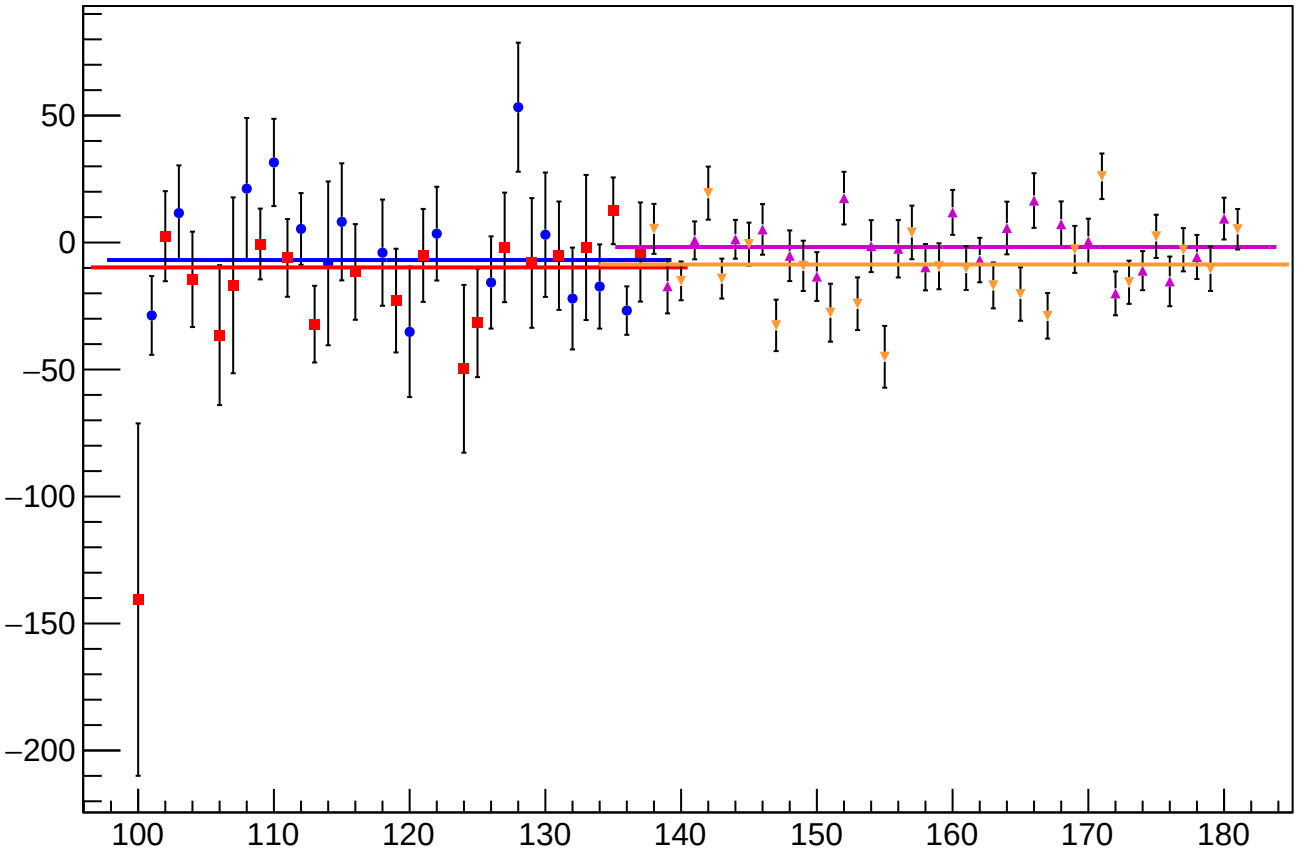
Right Out: 7.234+/-0.002 χ^2/NDF: 106266.0/18

Left In: 8.018+/-0.001 χ^2/NDF:1455709.8/20

+ sign 7.644+/-0.001 χ^2/NDF: 1940426.1/38

All: 7.690+/-0.001 χ^2/NDF: 3617890.1/78

- sign 7.739+/-0.001 χ^2/NDF: 1673825.6/39



Right In: -6.891+/-4.488 χ^2/NDF: 23.0/15

Left Out: -8.637+/-1.914 χ^2/NDF:60.8/22

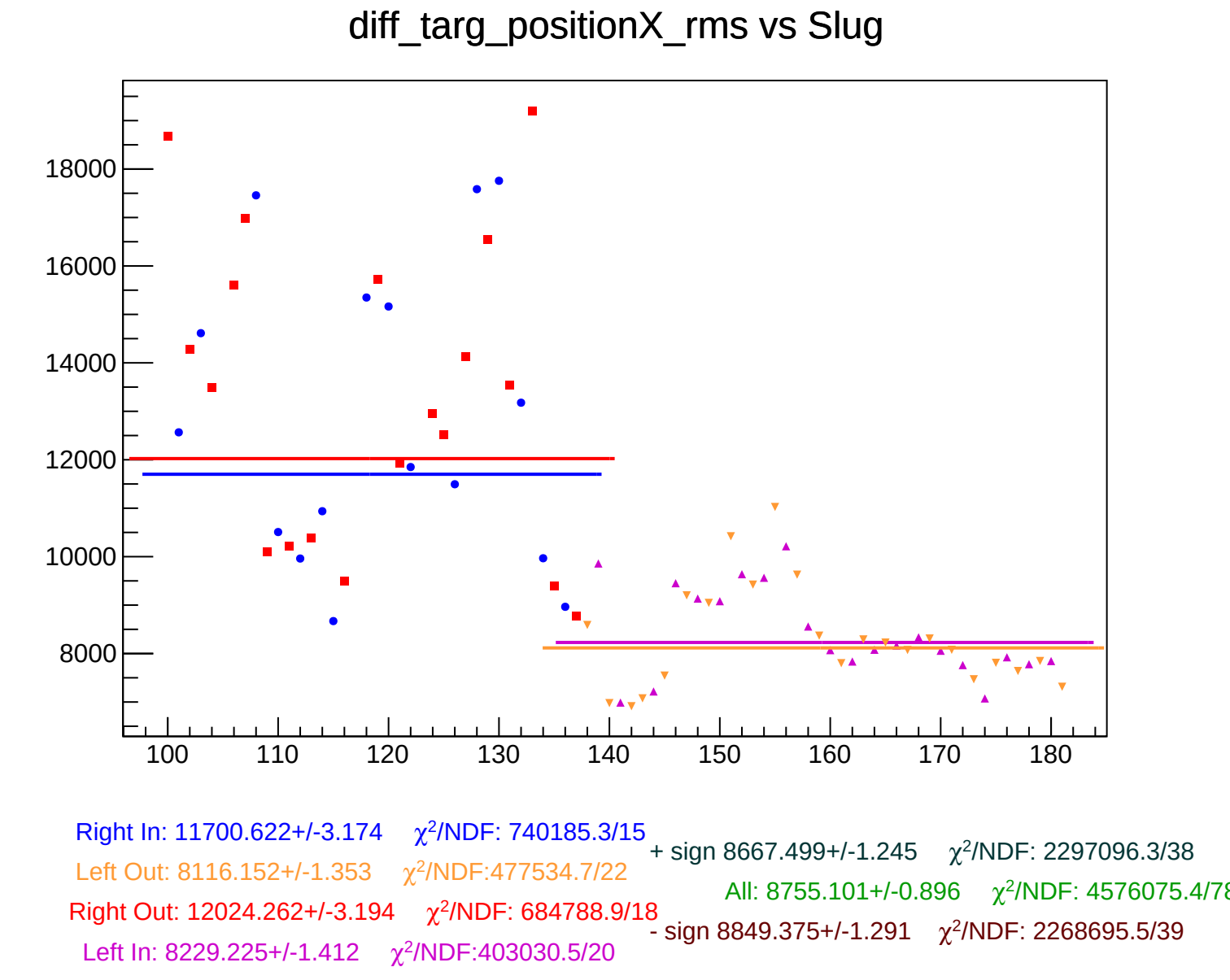
Right Out: -9.790+/-4.517 χ^2/NDF: 14.0/18

Left In: -1.772+/-1.996 χ^2/NDF:25.7/20

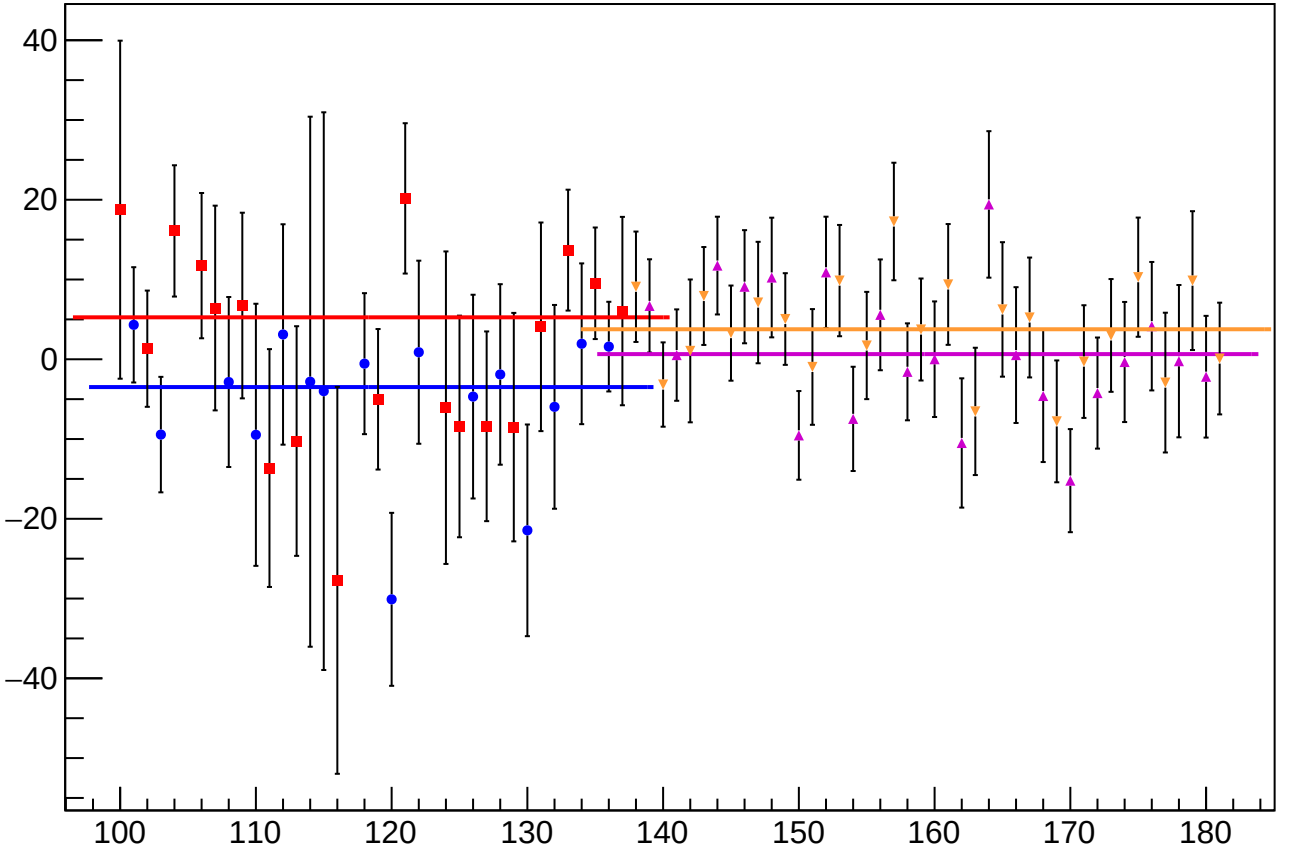
\+ sign -8.368+/-1.760 χ^2/NDF: 83.9/38

All: -5.822+/-1.267 χ^2/NDF: 130.6/78

\- sign -3.082+/-1.826 χ^2/NDF: 42.4/39


diff_targ_positionX_rms vs Slug
18000
16000
14000
12000
10000
8000
100
110
120
130
140
150
160
170
180
Right In: 11700.622+/-3.174 χ²/NDF: 740185.3/15
Left Out: 8116.152+/-1.353 χ²/NDF:477534.7/22
Right Out: 12024.262+/-3.194 χ²/NDF: 684788.9/18
Left In: 8229.225+/-1.412 χ²/NDF:403030.5/20
+ sign 8667.499+/-1.245 χ²/NDF: 2297096.3/38
All: 8755.101+/-0.896 χ²/NDF: 4576075.4/78
- sign 8849.375+/-1.291 χ²/NDF: 2268695.5/39

diff_targ_positionY_mean vs Slug



Right In: -3.485+/-2.550 χ^2/NDF: 11.5/15

Left Out: 3.763+/-1.470 χ^2/NDF:14.8/22

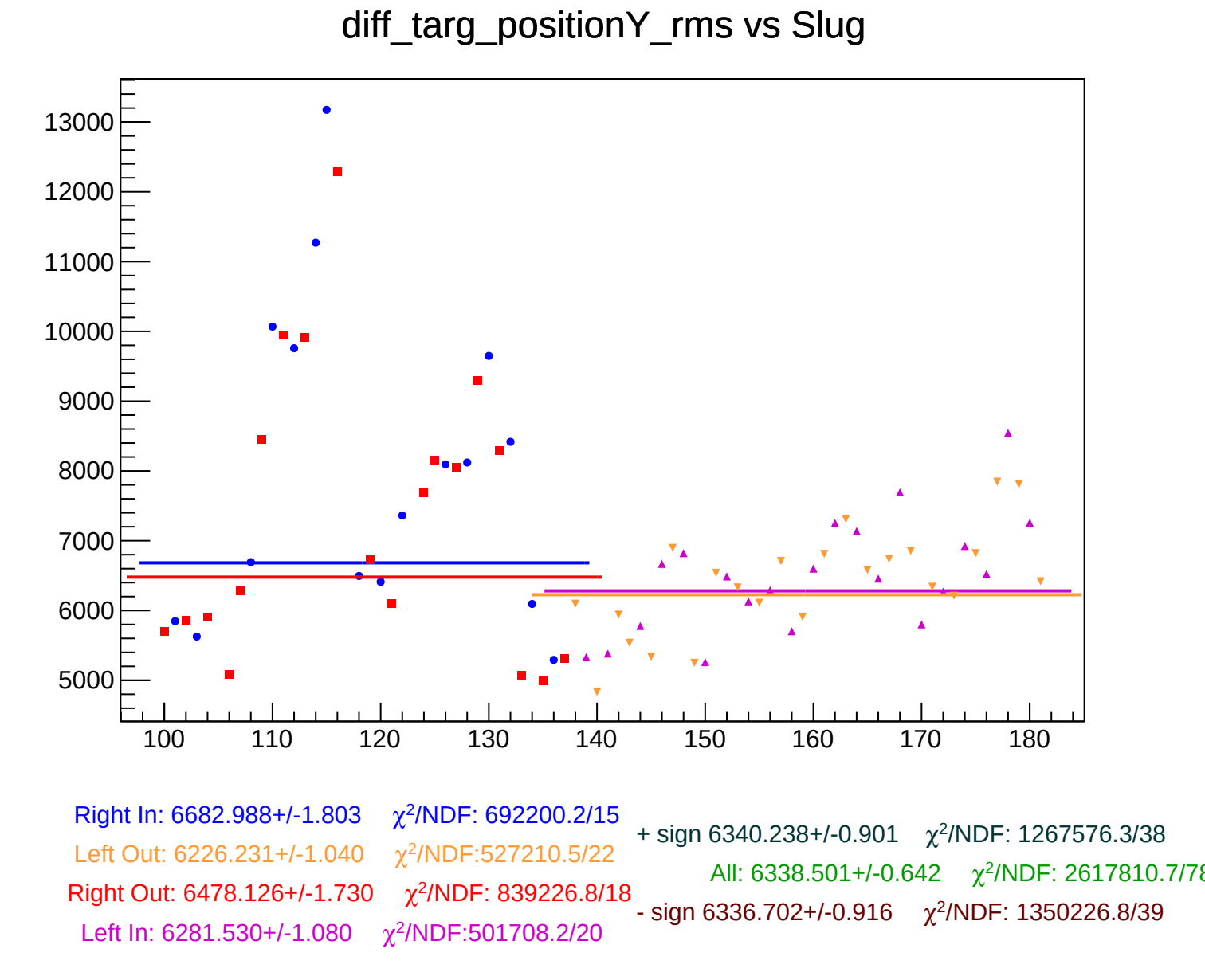
Right Out: 5.259+/-2.446 χ^2/NDF: 16.6/18

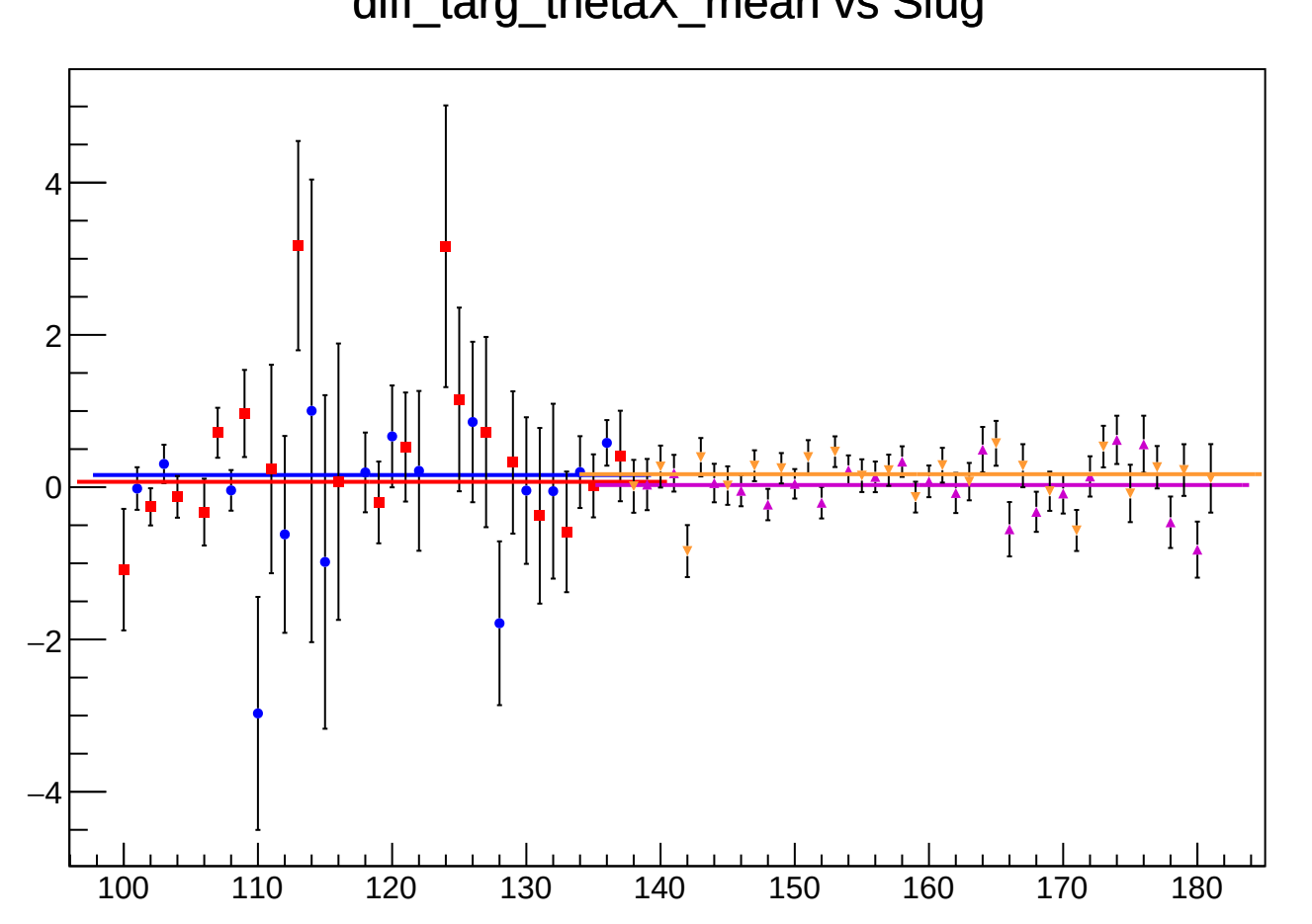
Left In: 0.648+/-1.528 χ^2/NDF:28.5/20

+ sign 1.954+/-1.274 χ^2/NDF: 32.4/38

All: 1.948+/-0.908 χ^2/NDF: 80.0/78

- sign 1.942+/-1.296 χ^2/NDF: 47.6/39


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: 6226.231+/-1.040 χ²/NDF:527210.5/22
Right Out: 6478.126+/-1.730 χ²/NDF: 839226.8/18
Left In: 6281.530+/-1.080 χ²/NDF:501708.2/20
+ sign 6340.238+/-0.901 χ²/NDF: 1267576.3/38
All: 6338.501+/-0.642 χ²/NDF: 2617810.7/78
- sign 6336.702+/-0.916 χ²/NDF: 1350226.8/39



Right In: 0.160+/-0.120 χ^2/NDF: 12.6/15

Left Out: 0.171+/-0.053 χ^2/NDF:29.2/22

Right Out: 0.070+/-0.120 χ^2/NDF: 22.5/18

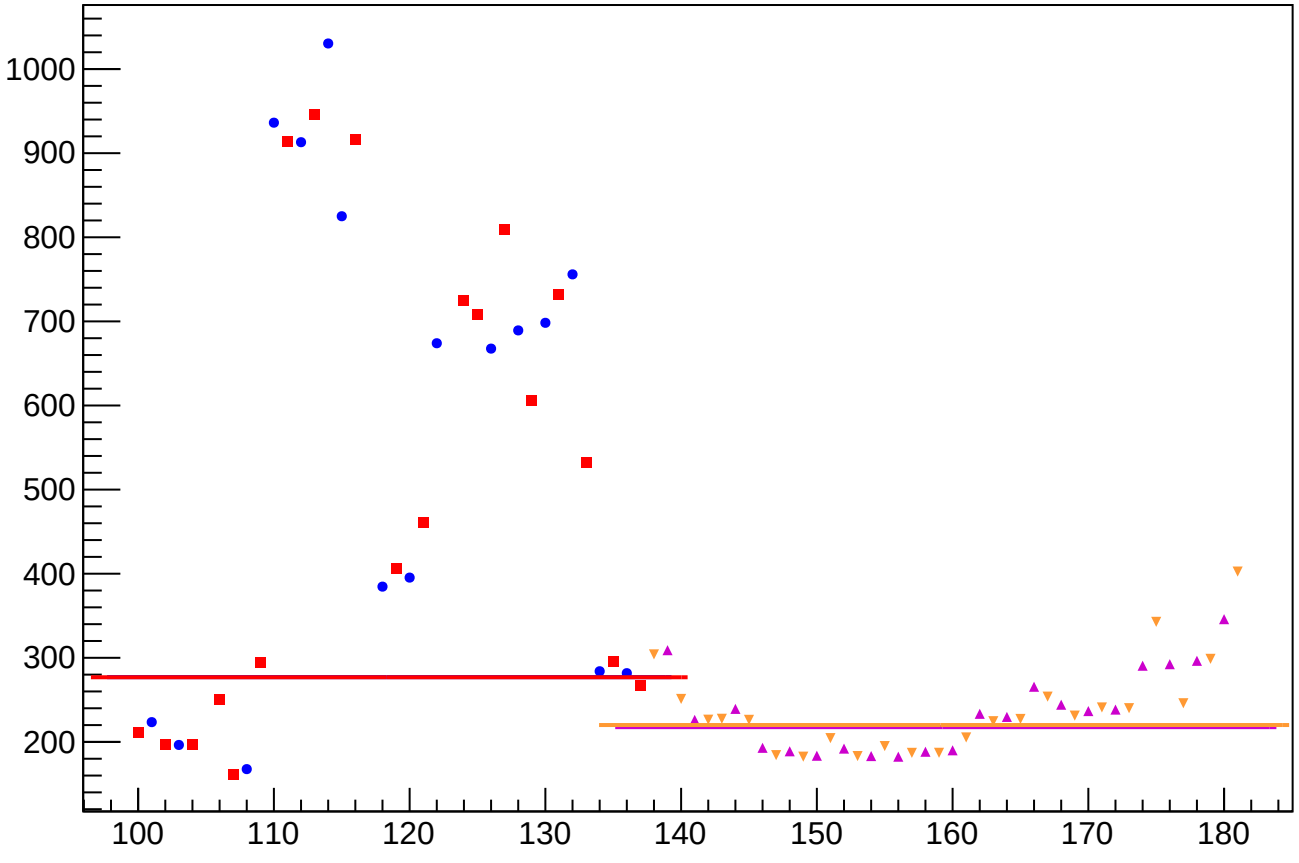
Left In: 0.028+/-0.054 χ^2/NDF:27.4/20

+ sign 0.169+/-0.048 χ^2/NDF: 41.8/38

All: 0.103+/-0.034 χ^2/NDF: 95.6/78

- sign 0.035+/-0.049 χ^2/NDF: 50.0/39

diff_targ_thetaX_rms vs Slug



Right In: 277.017+/-0.085 χ^2/NDF: 3450533.8/15

Left Out: 220.078+/-0.037 χ^2/NDF:1220212.2/22

Right Out: 276.866+/-0.085 χ^2/NDF: 3571620.7/18

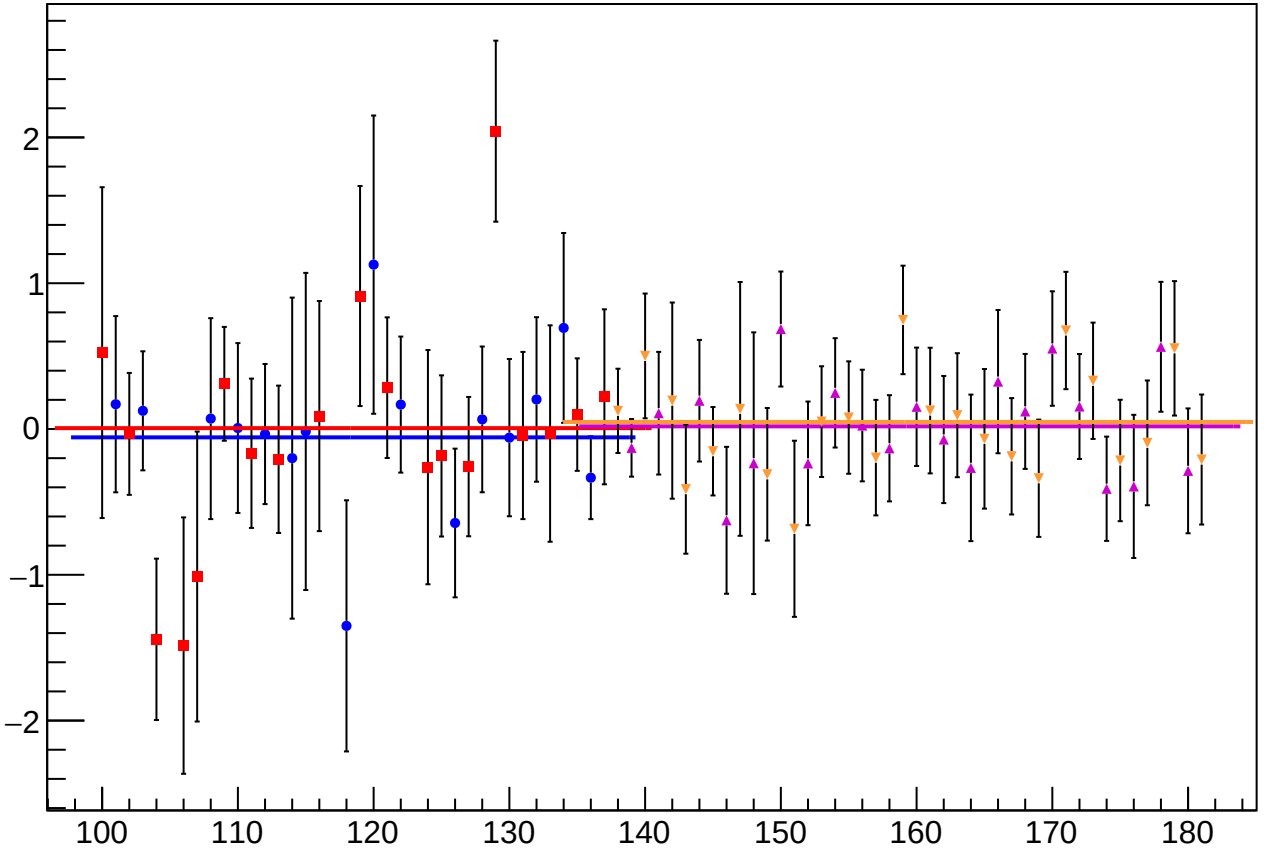
Left In: 217.559+/-0.038 χ^2/NDF:1154077.2/20

+ sign 229.316+/-0.034 χ^2/NDF: 5050621.8/38

All: 228.406+/-0.024 χ^2/NDF: 10186719.8/78

- sign 227.467+/-0.035 χ^2/NDF: 5134647.9/39

diff_targ_thetaY_mean vs Slug



Right In: -0.057+/-0.134 χ^2/NDF: 8.1/15

Left Out: 0.048+/-0.087 χ^2/NDF:15.1/22

Right Out: 0.006+/-0.129 χ^2/NDF: 25.2/18

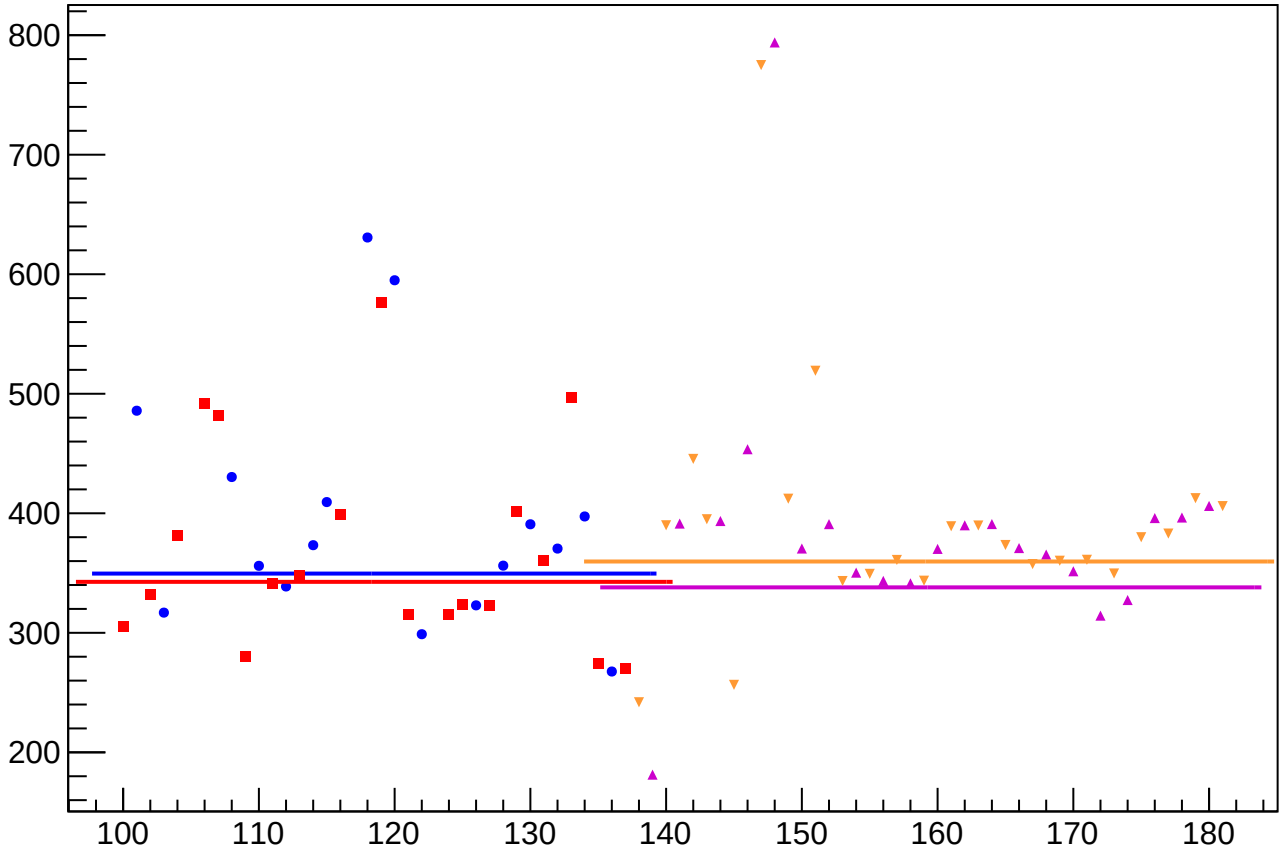
Left In: 0.018+/-0.085 χ^2/NDF:13.3/20

+ sign 0.017+/-0.073 χ^2/NDF: 23.7/38

All: 0.016+/-0.051 χ^2/NDF: 62.2/78

- sign 0.014+/-0.071 χ^2/NDF: 38.5/39

diff_targ_thetaY_rms vs Slug



Right In: 349.560+/-0.095 χ^2/NDF: 699303.9/15

Left Out: 359.664+/-0.061 χ^2/NDF:1330860.9/22

Right Out: 342.641+/-0.091 χ^2/NDF: 575759.9/18

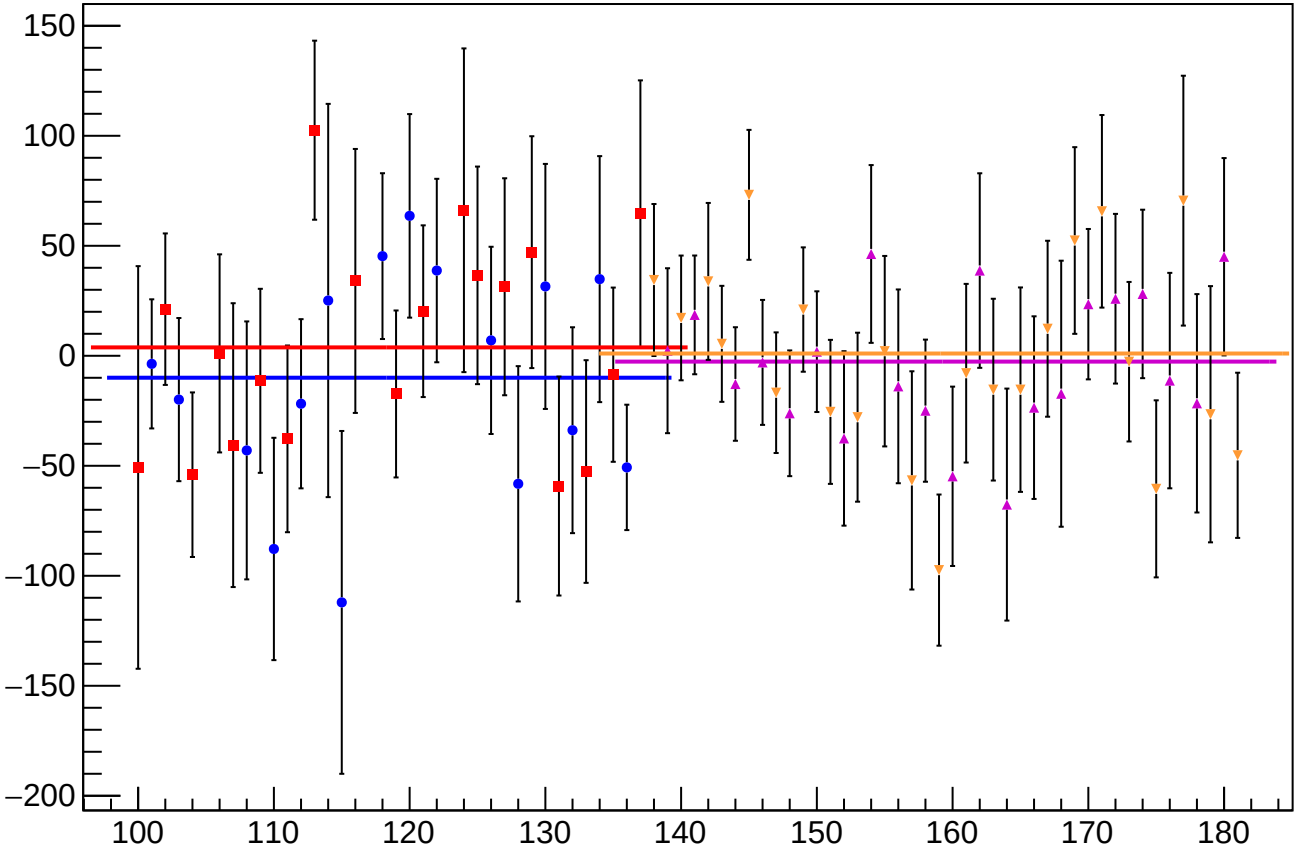
Left In: 338.022+/-0.060 χ^2/NDF:2201946.3/20

+ sign 356.675+/-0.051 χ^2/NDF: 2038195.2/38

All: 347.836+/-0.036 χ^2/NDF: 4875269.2/78

- sign 339.423+/-0.050 χ^2/NDF: 2779495.3/39

diff_bpmE_mean vs Slug



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 1.032+/-7.563 χ^2/NDF:29.5/22

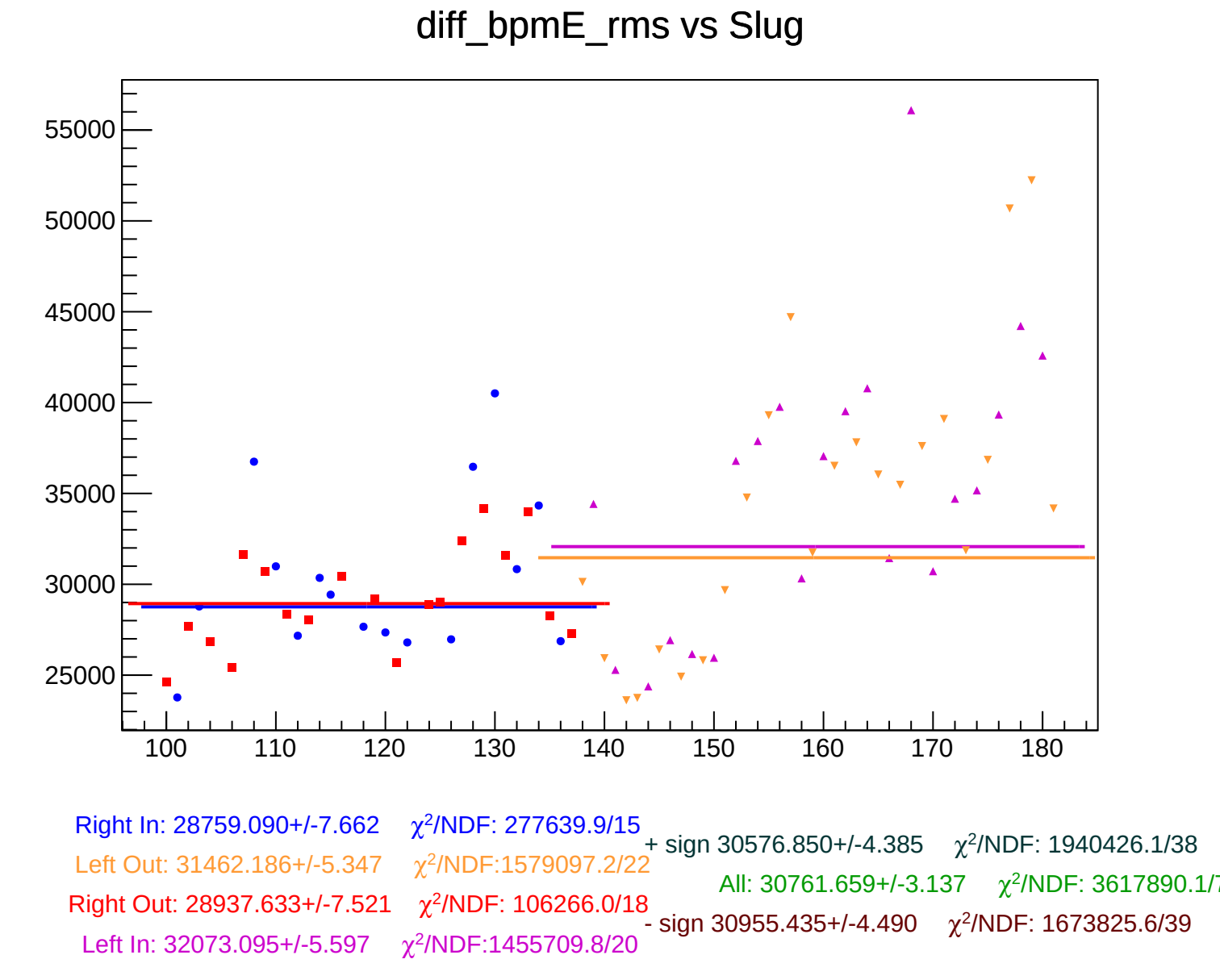
Right Out: 3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: -2.647+/-7.916 χ^2/NDF:11.7/20

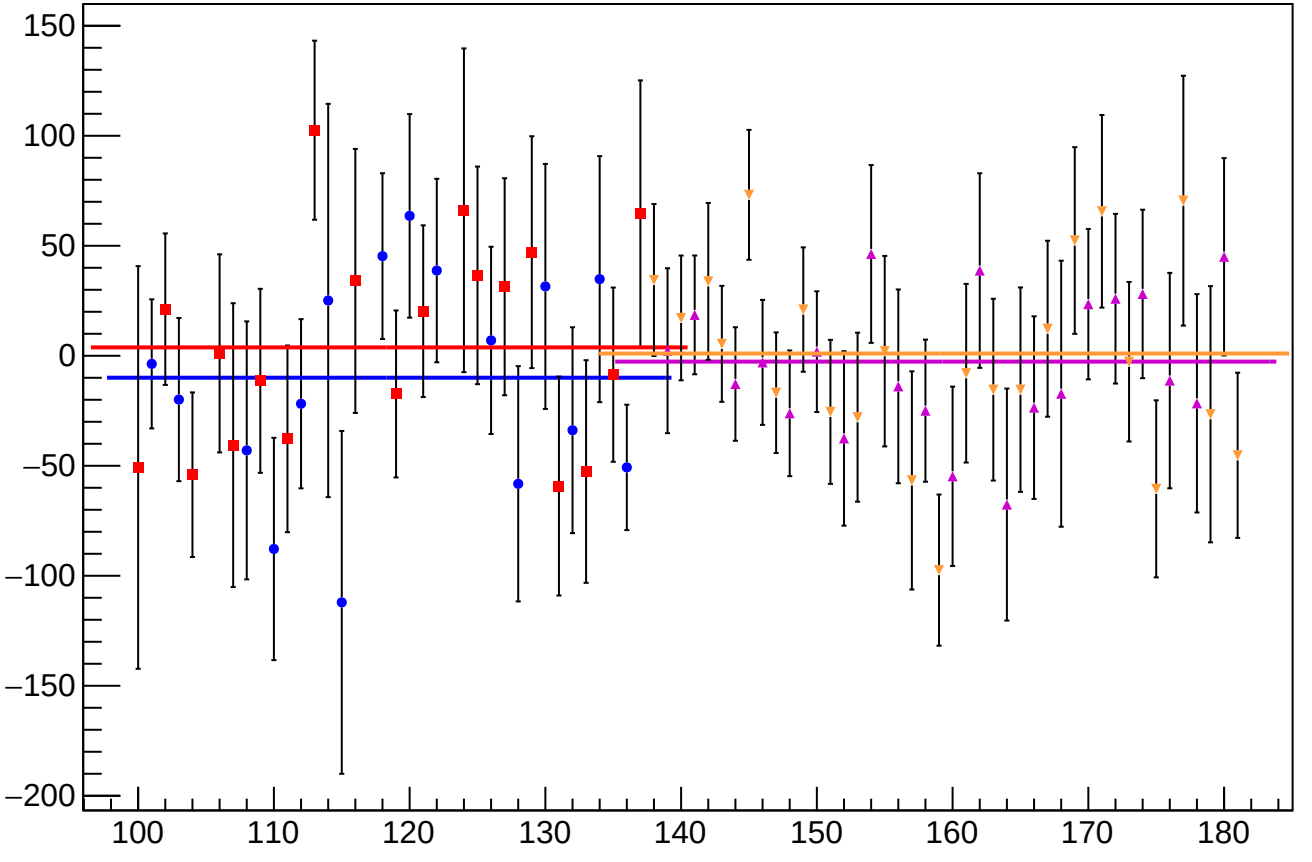
\+ sign -2.571+/-6.202 χ^2/NDF: 45.4/38

All: -1.484+/-4.437 χ^2/NDF: 74.7/78

\- sign -0.344+/-6.350 χ^2/NDF: 29.2/39


diff_bpmE_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: 31462.186+/-5.347 χ²/NDF:1579097.2/22
Right Out: 28937.633+/-7.521 χ²/NDF: 106266.0/18
Left In: 32073.095+/-5.597 χ²/NDF:1455709.8/20
+ sign 30576.850+/-4.385 χ²/NDF: 1940426.1/38
All: 30761.659+/-3.137 χ²/NDF: 3617890.1/
- sign 30955.435+/-4.490 χ²/NDF: 1673825.6/39

diff_bpmEX_mean vs Slug



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 1.032+/-7.563 χ^2/NDF:29.5/22

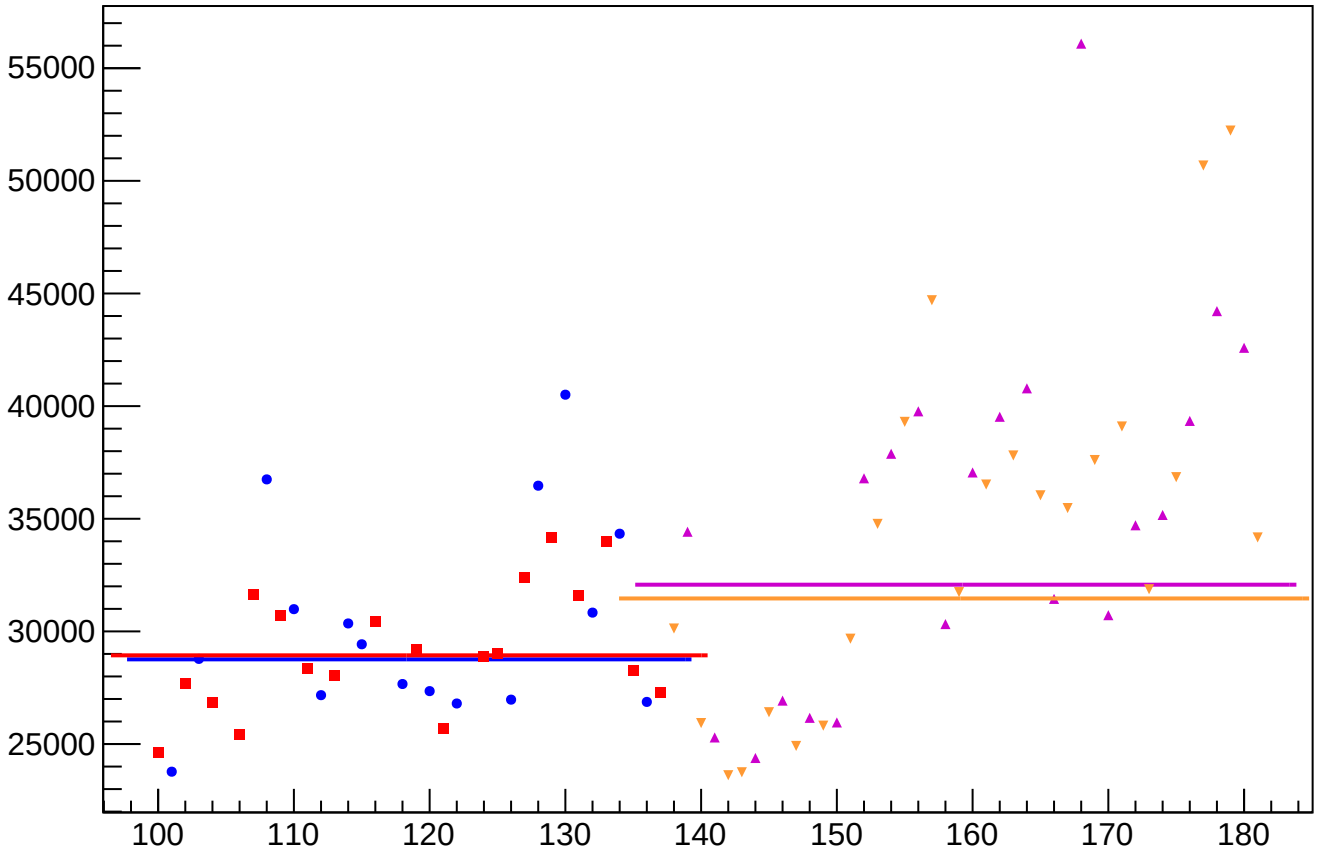
Right Out: 3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: -2.647+/-7.916 χ^2/NDF:11.7/20

+ sign -2.571+/-6.202 χ^2/NDF: 45.4/38

All: -1.484+/-4.437 χ^2/NDF: 74.7/78

- sign -0.344+/-6.350 χ^2/NDF: 29.2/39



Right In: 28759.090+/-7.662 χ^2/NDF: 277639.9/15

Left Out: 31462.186+/-5.347 χ^2/NDF:1579097.2/22

Right Out: 28937.633+/-7.521 χ^2/NDF: 106266.0/18

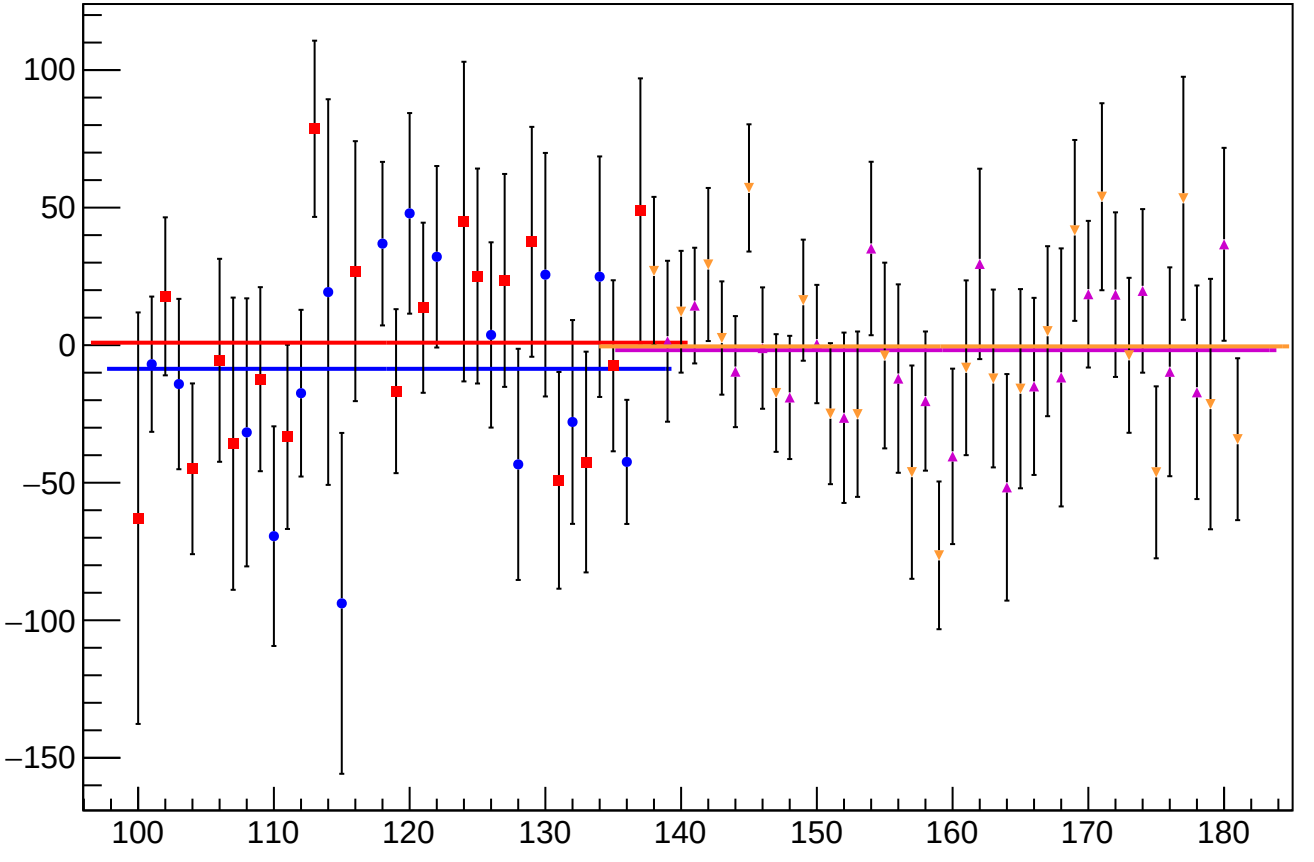
Left In: 32073.095+/-5.597 χ^2/NDF:1455709.8/20

+ sign 30576.850+/-4.385 χ^2/NDF: 1940426.1/38

All: 30761.659+/-3.137 χ^2/NDF: 3617890.1/7

- sign 30955.435+/-4.490 χ^2/NDF: 1673825.6/39

diff_bpmE_11X12X_mean vs Slug



Right In: -8.599+/-8.678 χ^2/NDF: 15.5/15

Left Out: -0.441+/-5.900 χ^2/NDF:30.7/22

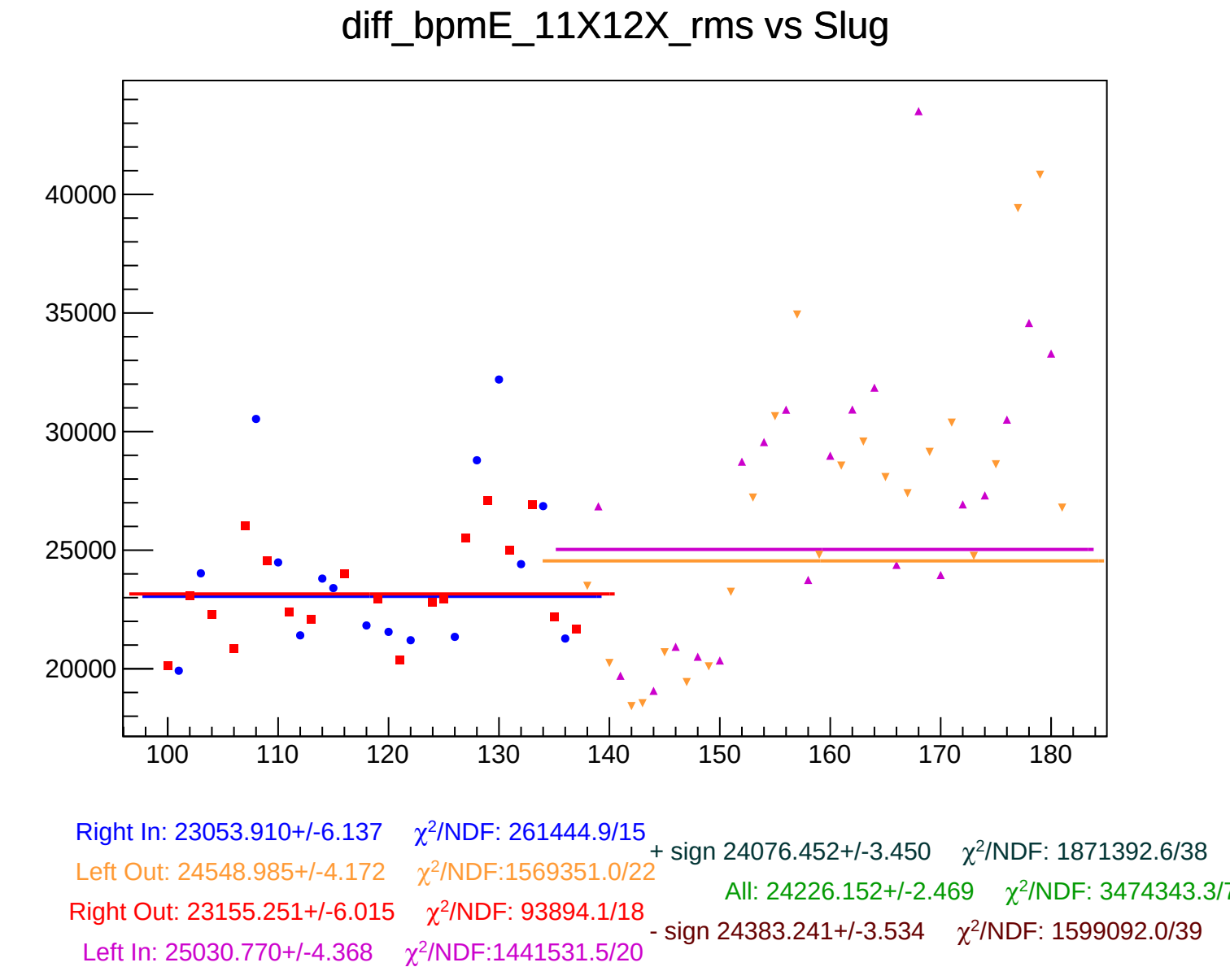
Right Out: 0.904+/-8.506 χ^2/NDF: 17.6/18

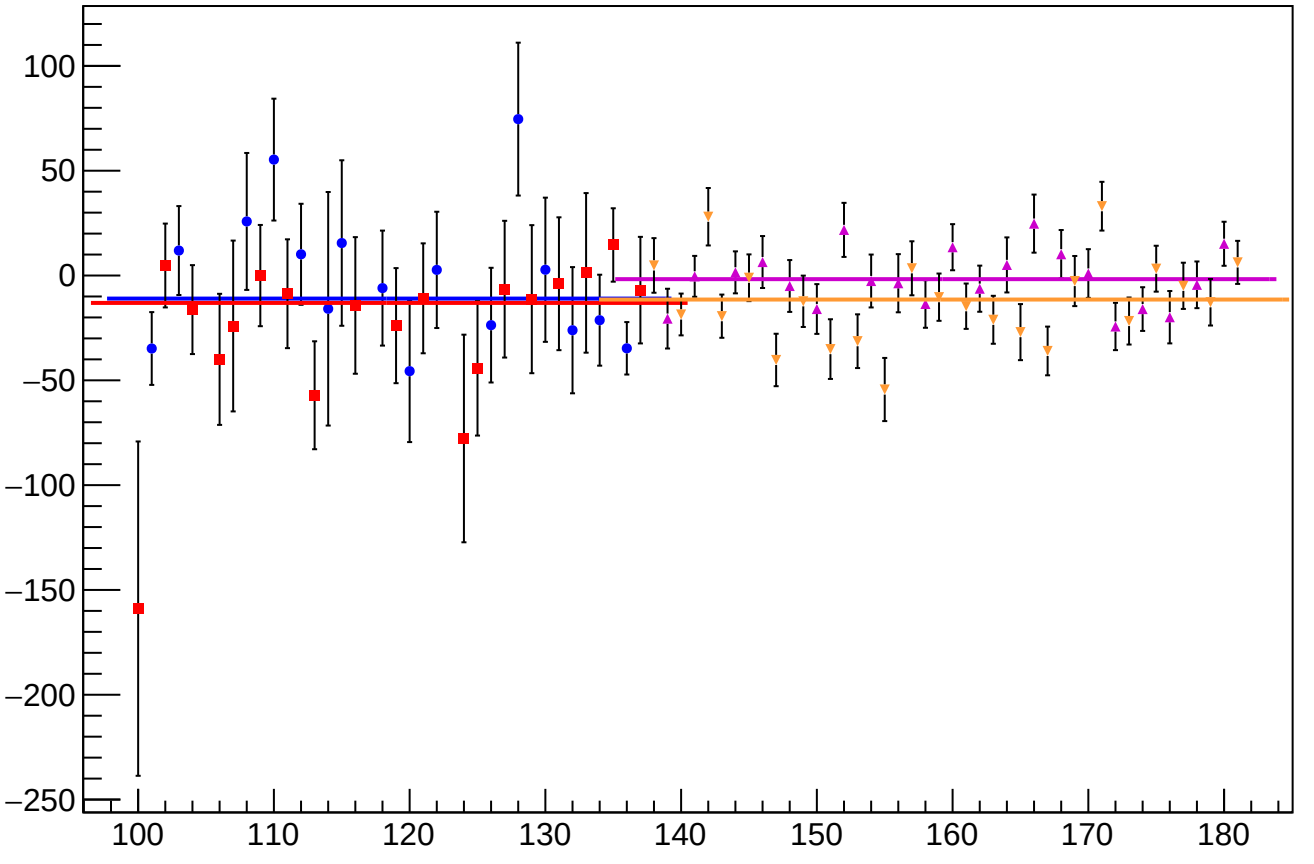
Left In: -1.812+/-6.177 χ^2/NDF:10.9/20

+ sign -3.020+/-4.879 χ^2/NDF: 46.8/38

All: -1.973+/-3.491 χ^2/NDF: 75.5/78

- sign -0.875+/-4.998 χ^2/NDF: 28.6/39


diff_bpmE_11X12X_rms vs Slug
40000
35000
30000
25000
20000
100
110
120
130
140
150
160
170
180
Right In: 23053.910+/-6.137 χ²/NDF: 261444.9/15
Left Out: 24548.985+/-4.172 χ²/NDF:1569351.0/22
Right Out: 23155.251+/-6.015 χ²/NDF: 93894.1/18
Left In: 25030.770+/-4.368 χ²/NDF:1441531.5/20
+ sign 24076.452+/-3.450 χ²/NDF: 1871392.6/38
All: 24226.152+/-2.469 χ²/NDF: 3474343.3/7
- sign 24383.241+/-3.534 χ²/NDF: 1599092.0/39



Right In: -11.002+/-6.155 χ^2/NDF: 22.0/15

Left Out: -11.461+/-2.449 χ^2/NDF:59.6/22

Right Out: -13.071+/-6.382 χ^2/NDF: 13.9/18

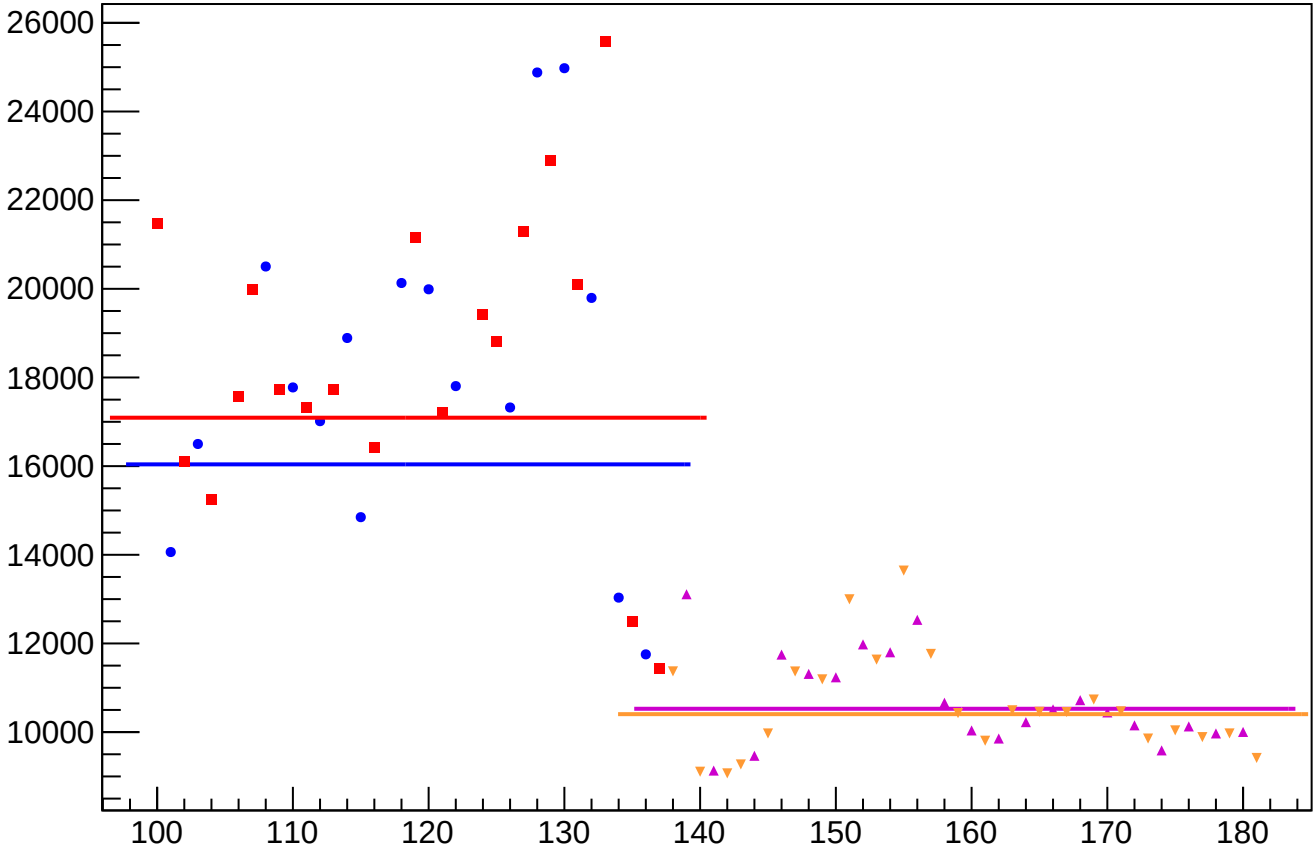
Left In: -1.733+/-2.550 χ^2/NDF:26.0/20

+ sign -11.398+/-2.275 χ^2/NDF: 81.6/38

All: -7.508+/-1.641 χ^2/NDF: 130.3/78

- sign -3.294+/-2.368 χ^2/NDF: 42.6/39

diff_bpm4aesumX_rms vs Slug



Right In: 16040.060+/-4.352 χ^2/NDF: 722678.9/15

Left Out: 10404.997+/-1.731 χ^2/NDF:351517.8/22

Right Out: 17092.658+/-4.513 χ^2/NDF: 535464.0/18

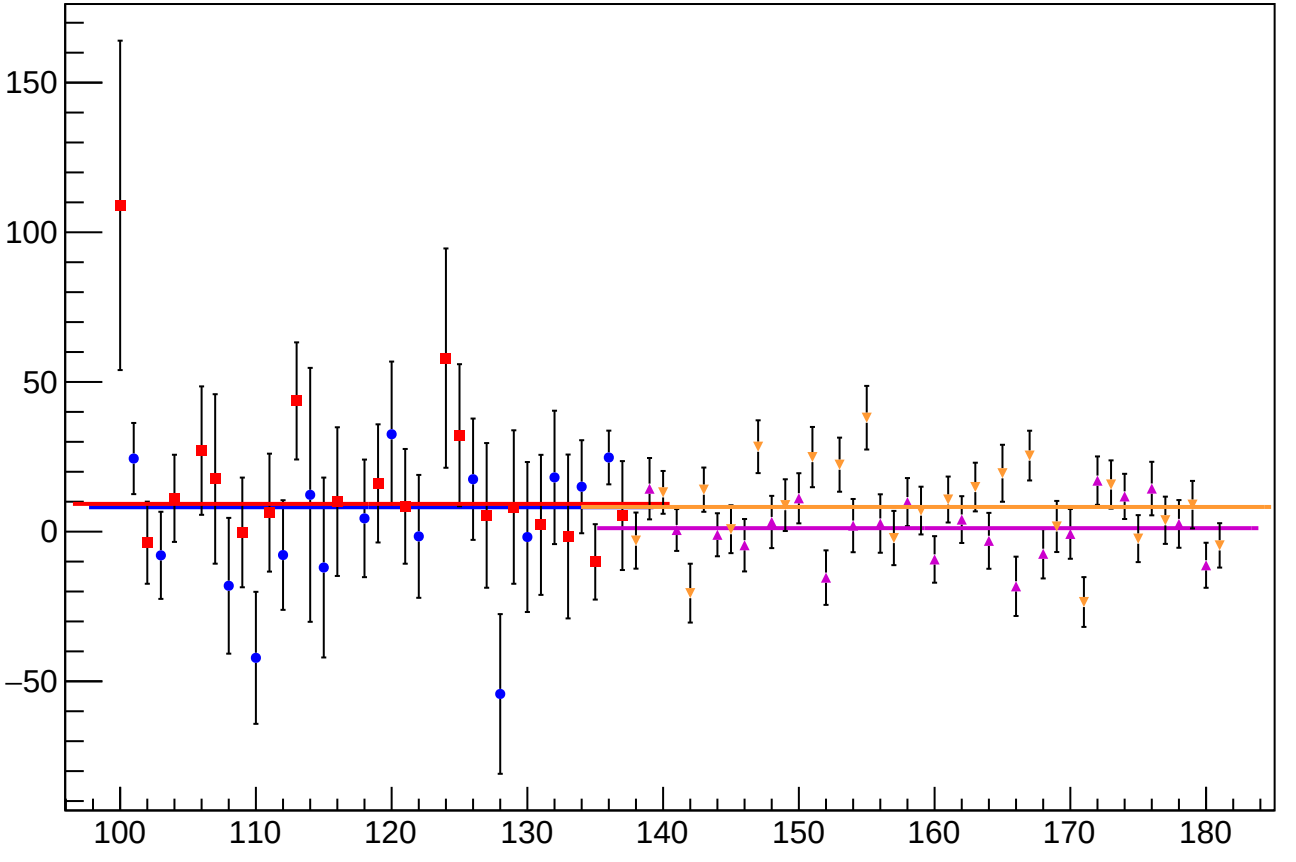
Left In: 10526.454+/-1.803 χ^2/NDF:295044.8/20

+ sign 11175.026+/-1.609 χ^2/NDF: 2521539.8/38

All: 11297.602+/-1.160 χ^2/NDF: 5189871.4/7

- sign 11430.361+/-1.674 χ^2/NDF: 2656239.6/39

diff_bpm4aediffX_mean vs Slug



Right In: 8.150+/-4.423 χ^2/NDF: 21.8/15

Left Out: 8.244+/-1.746 χ^2/NDF:59.2/22

Right Out: 9.270+/-4.607 χ^2/NDF: 13.9/18

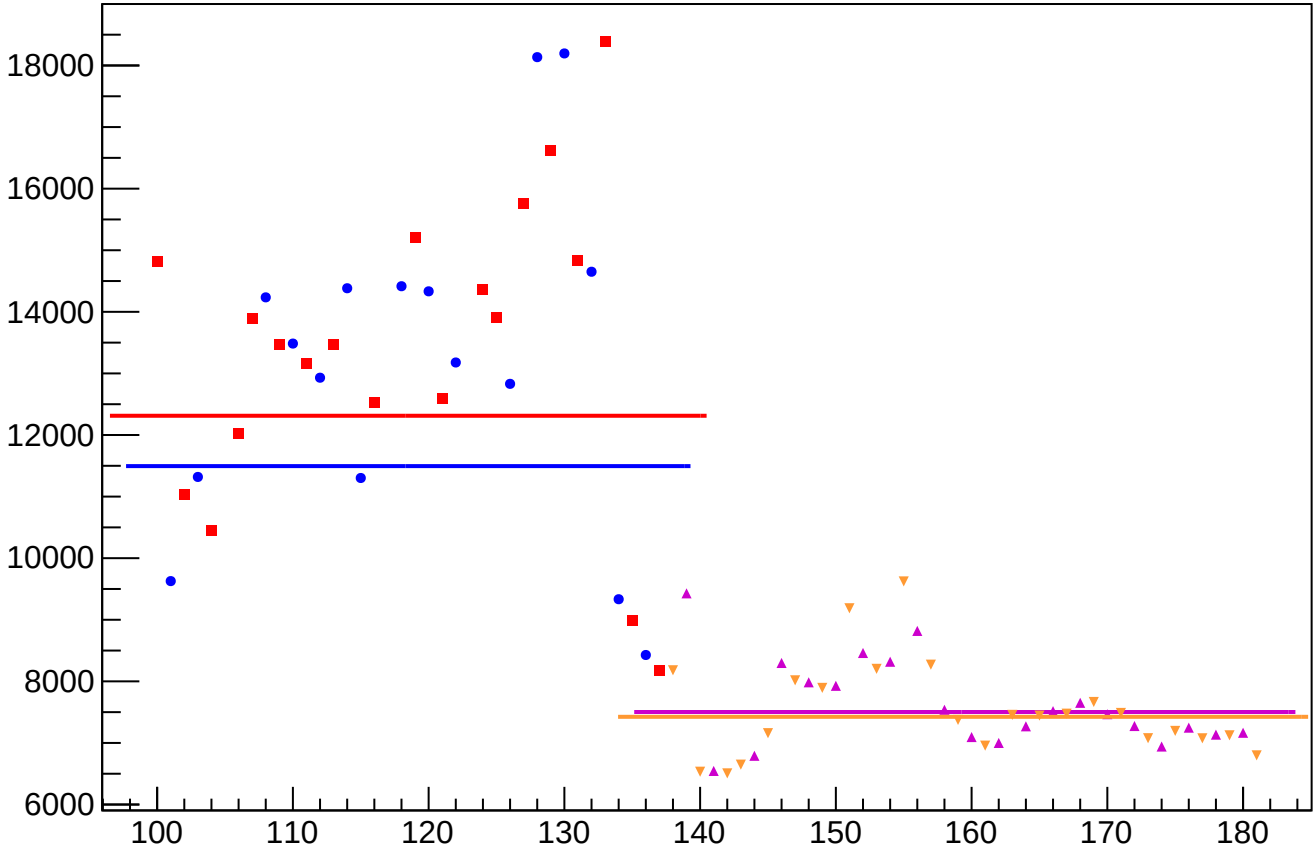
Left In: 1.160+/-1.817 χ^2/NDF:26.0/20

+ sign 8.231+/-1.624 χ^2/NDF: 80.9/38

All: 5.360+/-1.171 χ^2/NDF: 130.0/78

- sign 2.251+/-1.690 χ^2/NDF: 42.6/39

diff_bpm4aediffX_rms vs Slug



Right In: 11494.969+/-3.127 χ^2/NDF: 789990.1/15

Left Out: 7424.206+/-1.235 χ^2/NDF:315774.1/22

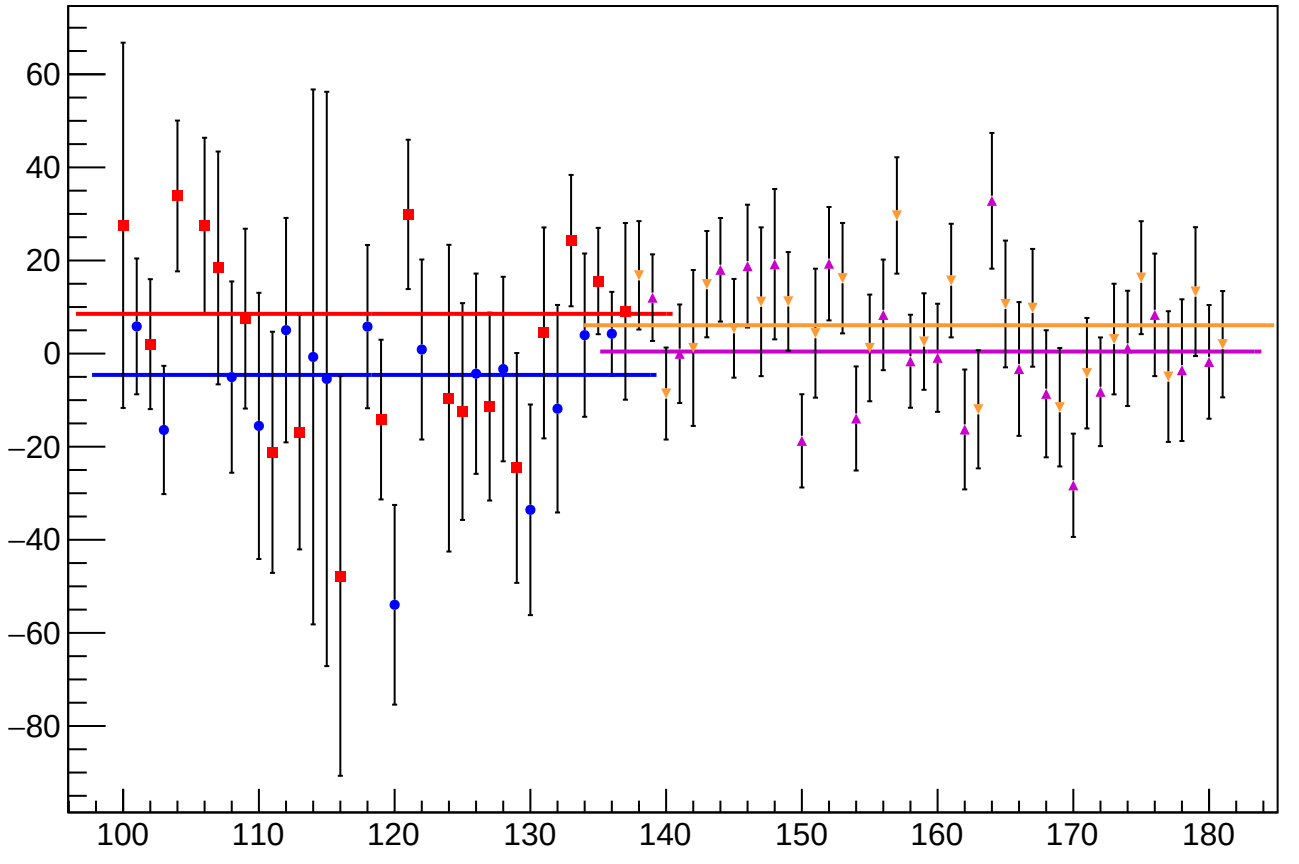
Right Out: 12312.550+/-3.258 χ^2/NDF: 598755.3/18

Left In: 7502.357+/-1.285 χ^2/NDF:269026.2/20

+ sign 7973.212+/-1.149 χ^2/NDF: 2571531.2/38

All: 8057.907+/-0.828 χ^2/NDF: 5337424.5/78

- sign 8149.599+/-1.195 χ^2/NDF: 2754567.9/39



Right In: -4.578+/-4.554 χ^2/NDF: 10.2/15

Left Out: 6.092+/-2.533 χ^2/NDF:16.0/22

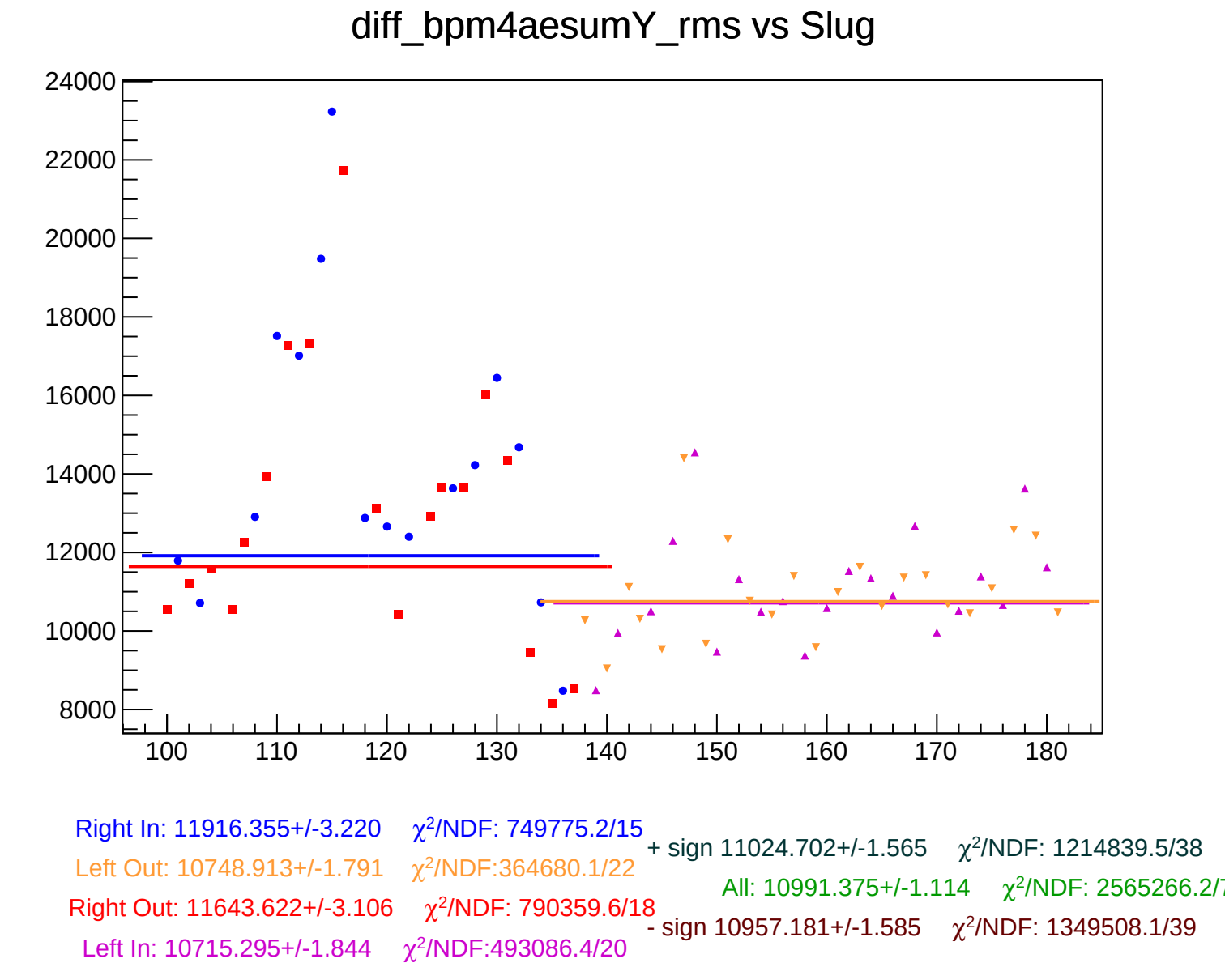
Right Out: 8.537+/-4.392 χ^2/NDF: 17.2/18

Left In: 0.439+/-2.607 χ^2/NDF:30.4/20

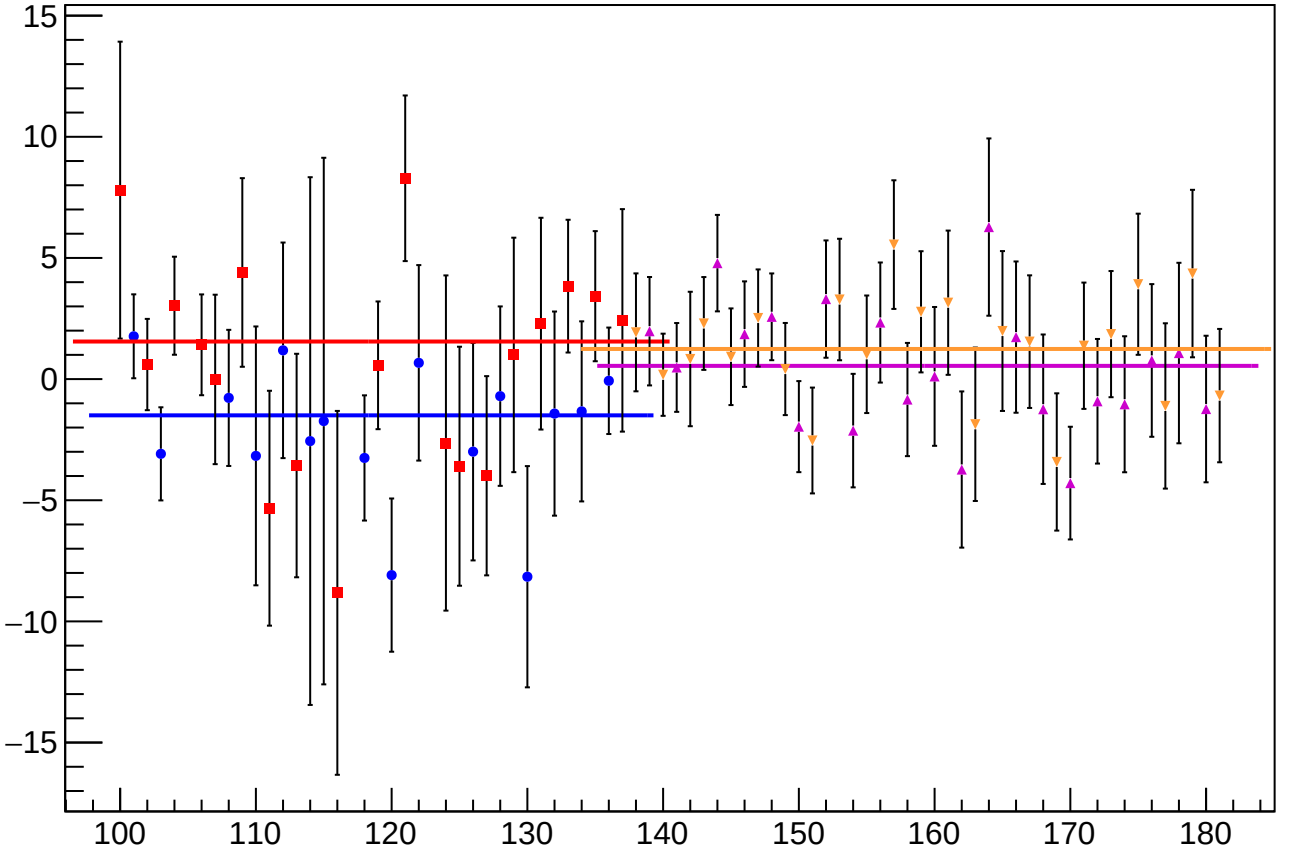
+ sign 3.571+/-2.213 χ^2/NDF: 30.4/38

All: 3.067+/-1.575 χ^2/NDF: 80.6/78

- sign 2.549+/-2.242 χ^2/NDF: 50.1/39


diff_bpm4aesumY_rms vs Slug
24000
22000
20000
18000
16000
14000
12000
10000
8000
100
110
120
130
140
150
160
170
180
Right In: 11916.355+/-3.220 χ²/NDF: 749775.2/15
Left Out: 10748.913+/-1.791 χ²/NDF:364680.1/22
Right Out: 11643.622+/-3.106 χ²/NDF: 790359.6/18
Left In: 10715.295+/-1.844 χ²/NDF:493086.4/20
+ sign 11024.702+/-1.565 χ²/NDF: 1214839.5/38
All: 10991.375+/-1.114 χ²/NDF: 2565266.2/
- sign 10957.181+/-1.585 χ²/NDF: 1349508.1/39

diff_bpm4aediffY_mean vs Slug



Right In: -1.496+/-0.778 χ^2/NDF: 12.6/15

Left Out: 1.244+/-0.512 χ^2/NDF:14.9/22

Right Out: 1.551+/-0.745 χ^2/NDF: 16.3/18

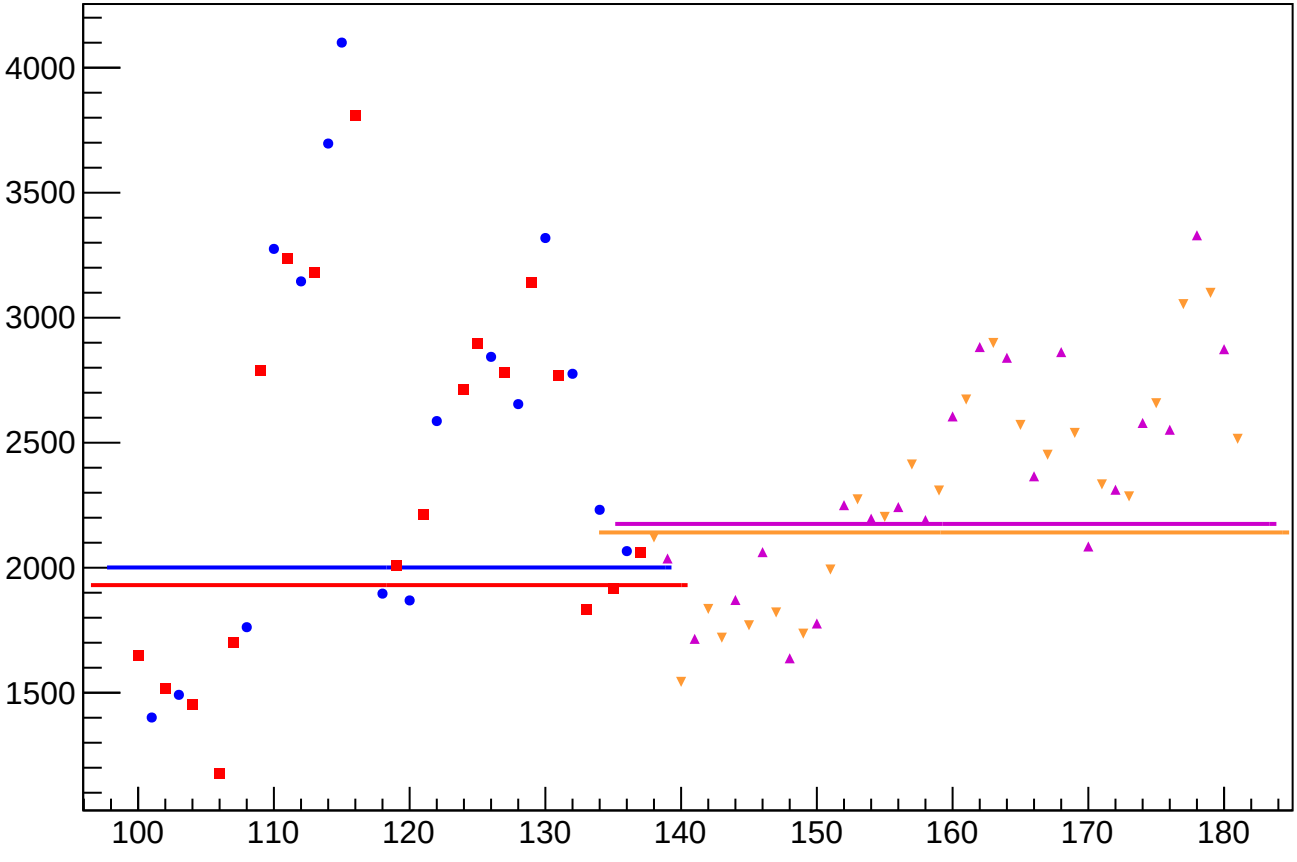
Left In: 0.546+/-0.534 χ^2/NDF:21.9/20

+ sign 0.416+/-0.428 χ^2/NDF: 36.1/38

All: 0.648+/-0.305 χ^2/NDF: 76.1/78

- sign 0.888+/-0.434 χ^2/NDF: 39.4/39

diff_bpm4aediffY_rms vs Slug



Right In: 2001.000+/-0.550 χ^2/NDF: 1189784.2/15

Left Out: 2141.084+/-0.362 χ^2/NDF:1318369.4/22

Right Out: 1930.434+/-0.526 χ^2/NDF: 1403552.6/18

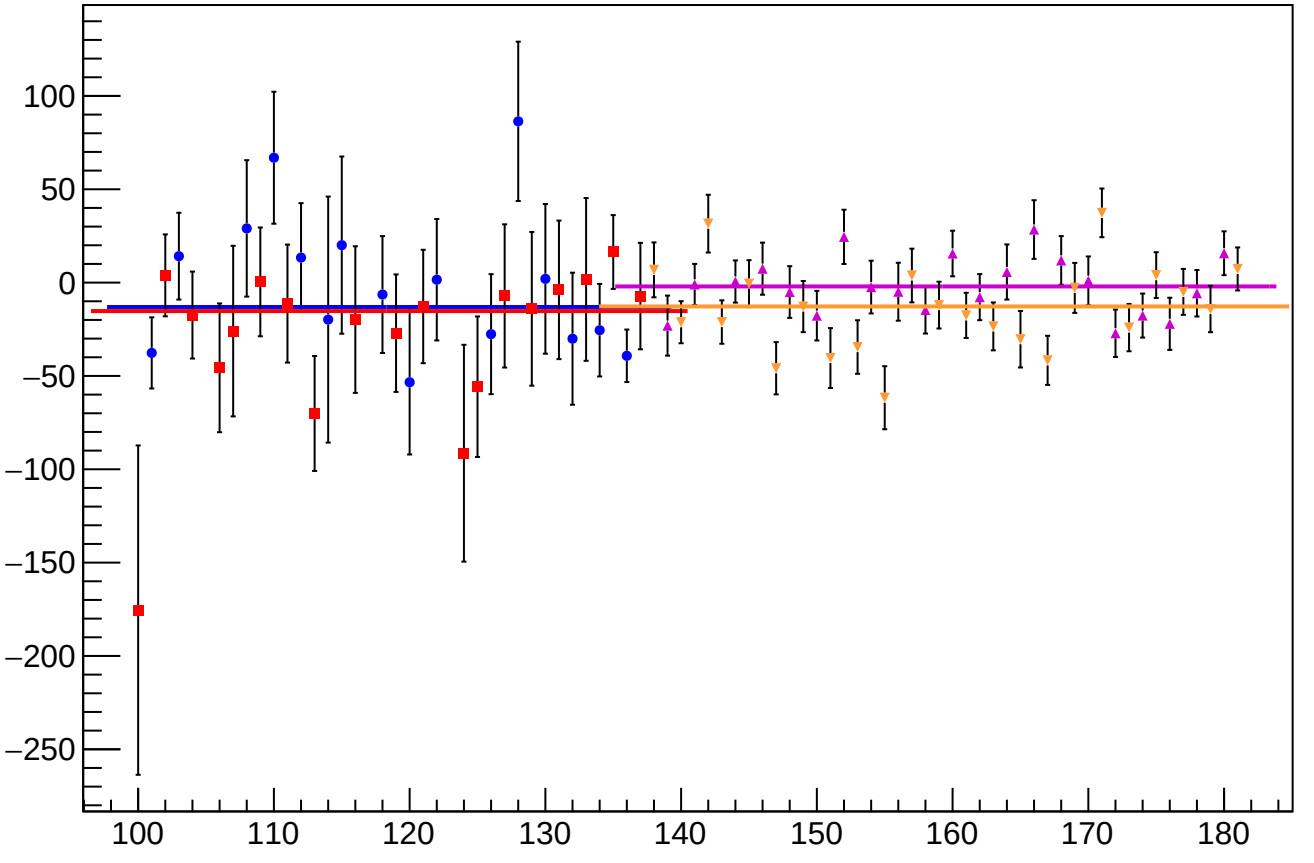
Left In: 2175.195+/-0.378 χ^2/NDF:1150944.6/20

+ sign 2098.758+/-0.302 χ^2/NDF: 2553374.2/38

All: 2095.406+/-0.215 χ^2/NDF: 5250759.5/78

- sign 2091.952+/-0.307 χ^2/NDF: 2697135.9/39

diff_bpmtargetsumX_mean vs Slug



Right In: -13.066+/-7.026 χ^2/NDF: 21.9/15

Left Out: -12.771+/-2.750 χ^2/NDF:61.1/22

Right Out: -15.253+/-7.321 χ^2/NDF: 14.3/18

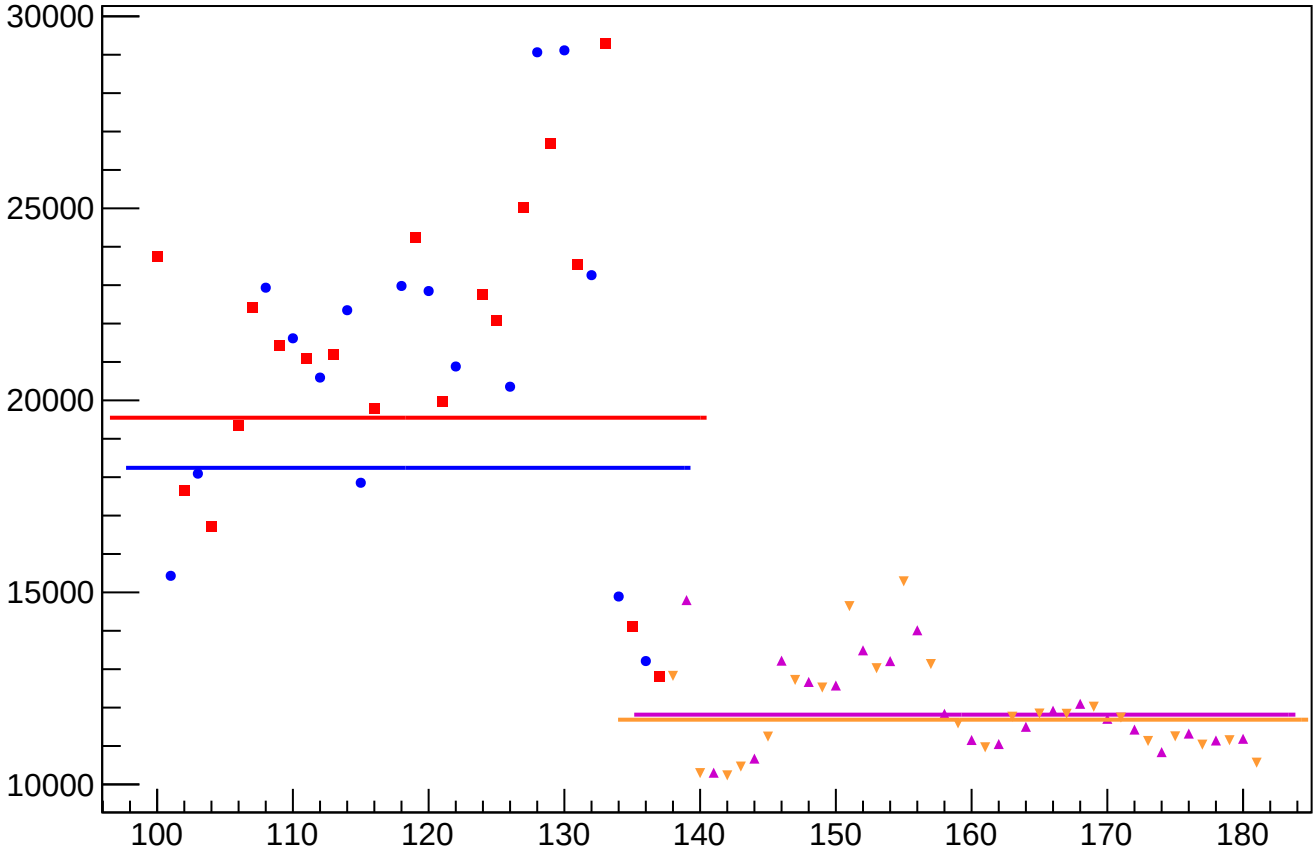
Left In: -2.052+/-2.862 χ^2/NDF:25.7/20

+ sign -12.810+/-2.561 χ^2/NDF: 82.9/38

All: -8.487+/-1.847 χ^2/NDF: 131.7/78

- sign -3.802+/-2.666 χ^2/NDF: 42.8/39

diff_bpmtargetsumX_rms vs Slug



Right In: 18243.342+/-4.968 χ^2/NDF: 819828.6/15

Left Out: 11685.268+/-1.944 χ^2/NDF:343301.6/22

Right Out: 19548.426+/-5.176 χ^2/NDF: 621716.4/18

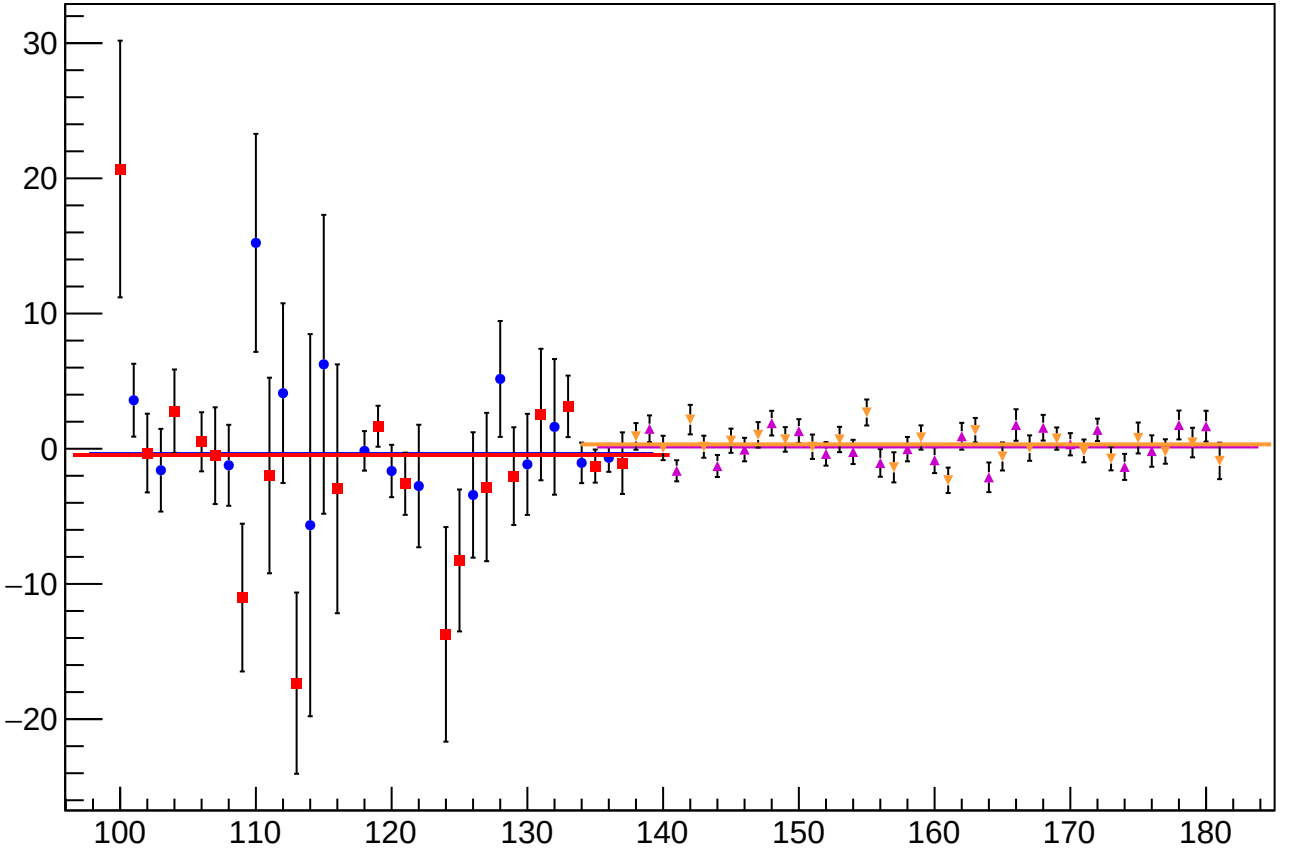
Left In: 11816.351+/-2.024 χ^2/NDF:292824.2/20

+ sign 12556.178+/-1.811 χ^2/NDF: 2674039.6/38

All: 12693.149+/-1.306 χ^2/NDF: 5535769.7/7

- sign 12841.608+/-1.885 χ^2/NDF: 2849803.9/39

diff_bpmtargetdiffX_mean vs Slug



Right In: -0.394+/-0.600 χ^2/NDF: 10.4/15

Left Out: 0.324+/-0.197 χ^2/NDF:26.5/22

Right Out: -0.464+/-0.634 χ^2/NDF: 28.0/18

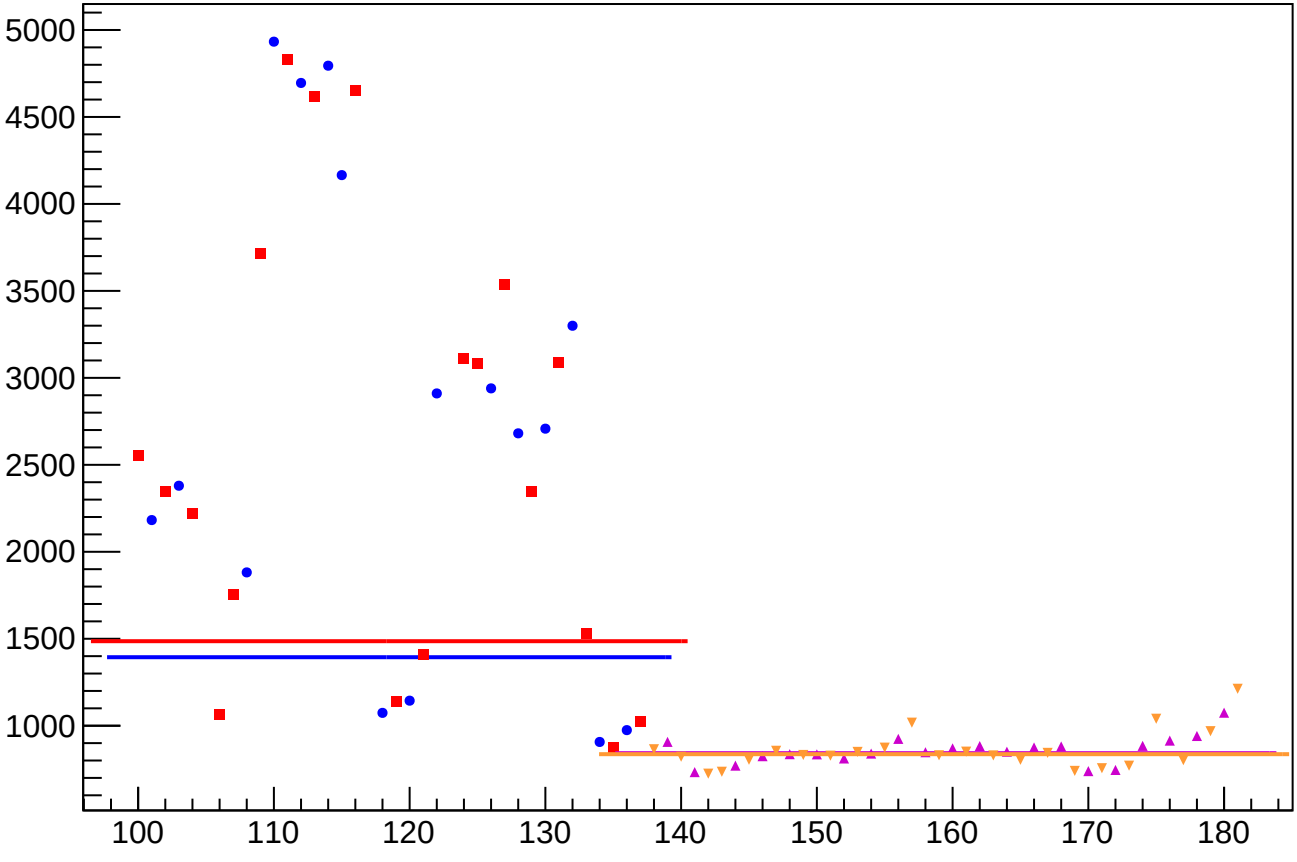
Left In: 0.167+/-0.204 χ^2/NDF:36.3/20

+ sign 0.254+/-0.188 χ^2/NDF: 38.2/38

All: 0.183+/-0.135 χ^2/NDF: 103.8/78

- sign 0.107+/-0.195 χ^2/NDF: 65.3/39

diff_bpmtargetdiffX_rms vs Slug



Right In: 1393.912+/-0.424 χ^2/NDF: 3381007.0/15

Left Out: 836.415+/-0.140 χ^2/NDF:424381.4/22

Right Out: 1486.000+/-0.448 χ^2/NDF: 3398817.4/18

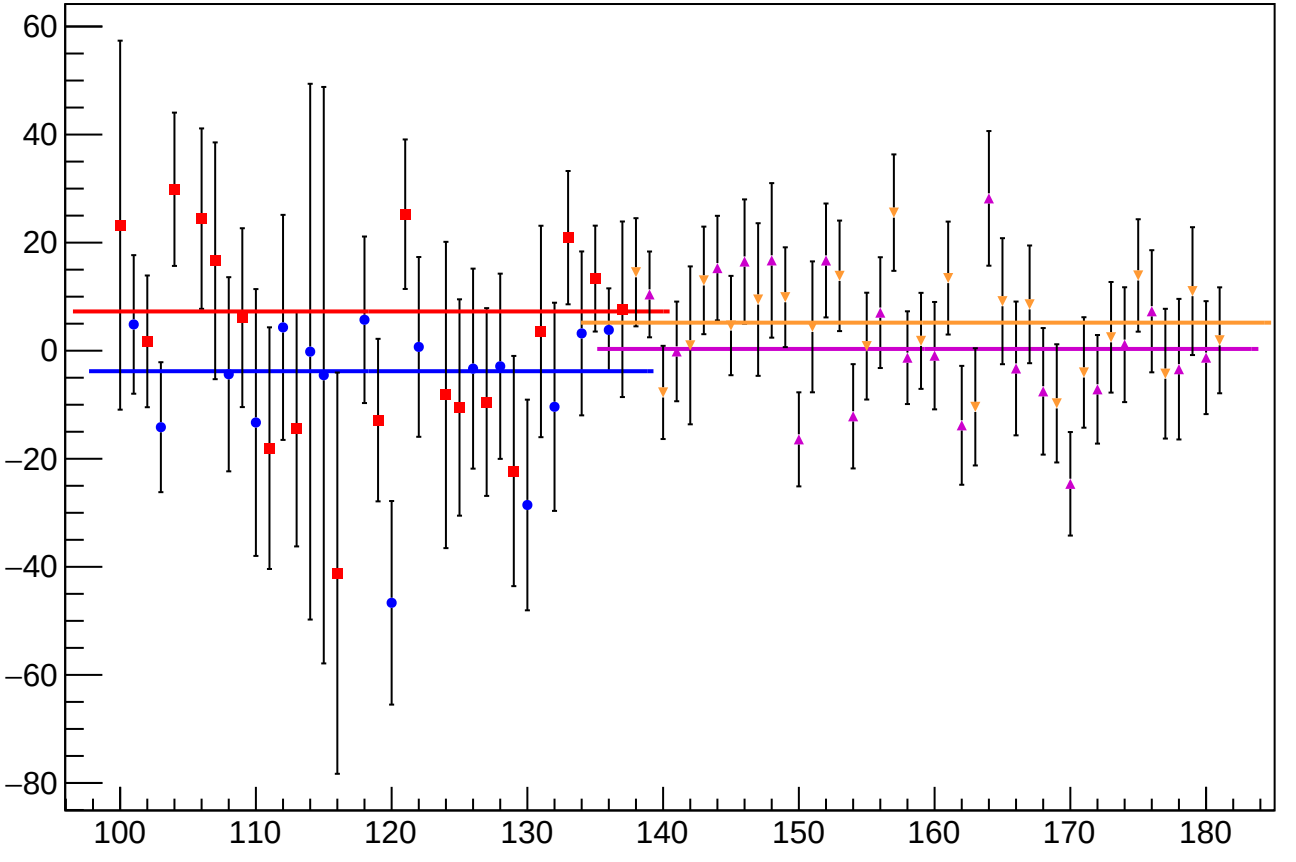
Left In: 842.303+/-0.145 χ^2/NDF:260125.9/20

+ sign 890.863+/-0.133 χ^2/NDF: 5362743.7/38

All: 896.696+/-0.095 χ^2/NDF: 10893584.9/78

- sign 902.976+/-0.138 χ^2/NDF: 5526824.5/39

diff_bpmtargetsumY_mean vs Slug



Right In: -3.795+/-3.943 χ^2/NDF: 10.1/15

Left Out: 5.189+/-2.186 χ^2/NDF:16.1/22

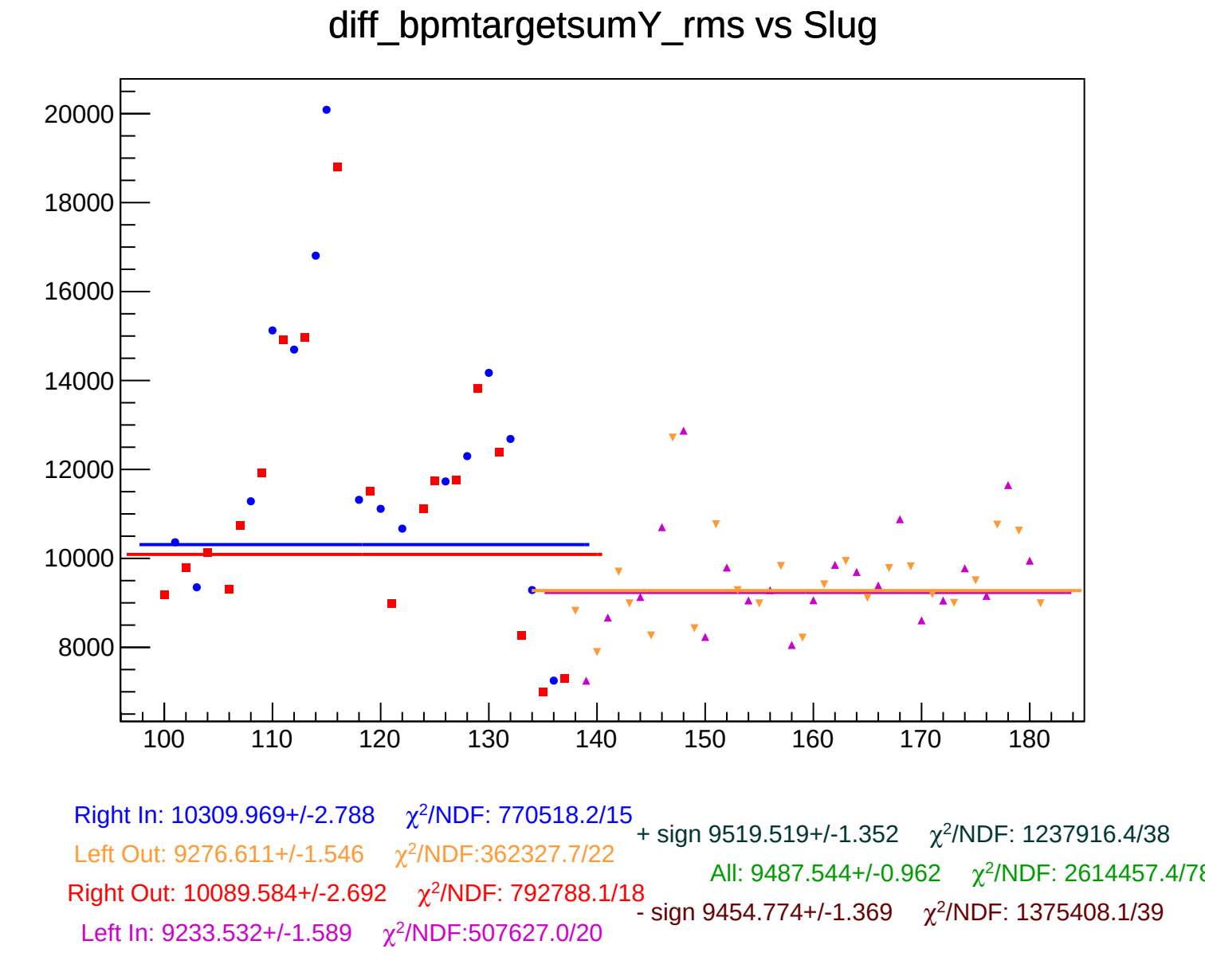
Right Out: 7.264+/-3.807 χ^2/NDF: 17.3/18

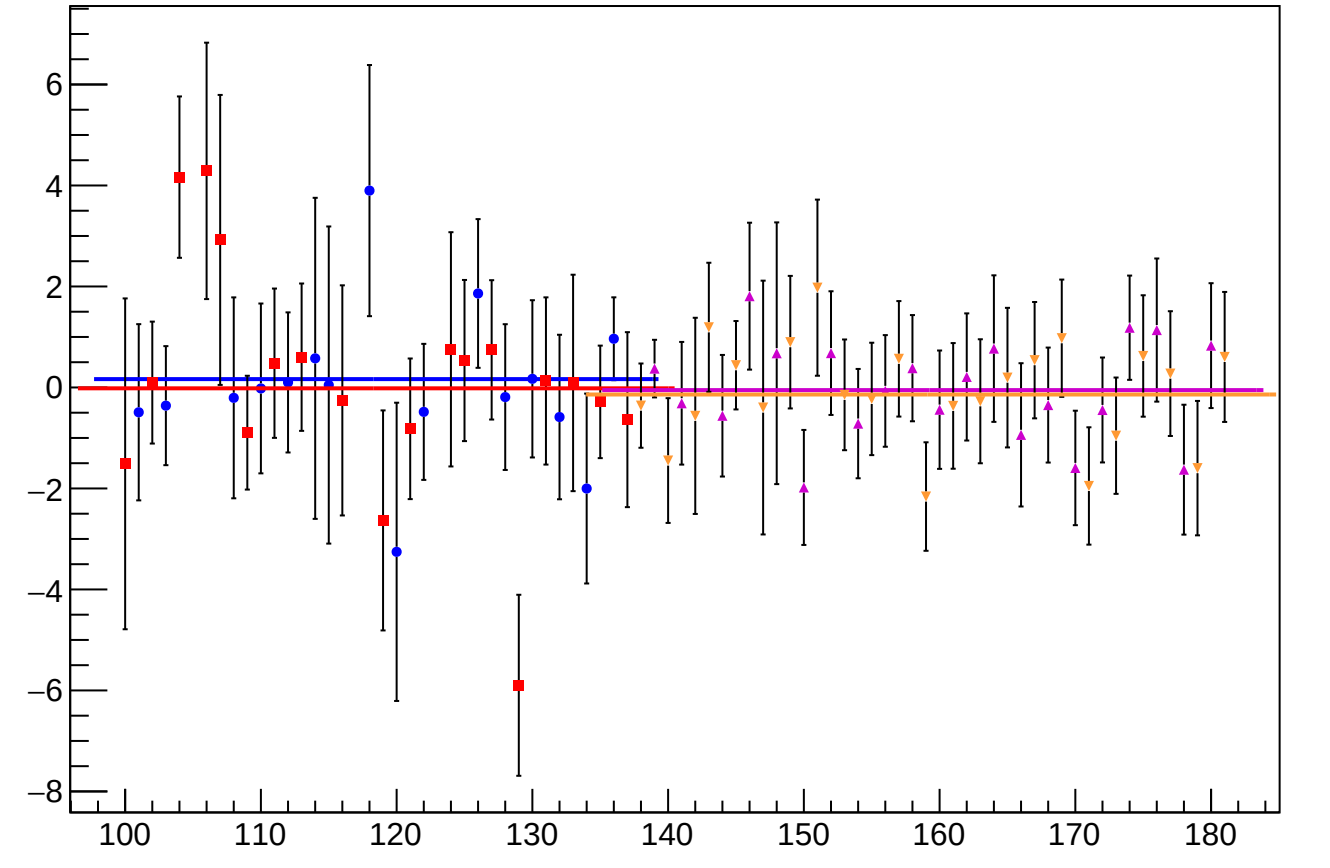
Left In: 0.325+/-2.247 χ^2/NDF:30.6/20

+ sign 3.077+/-1.912 χ^2/NDF: 30.2/38

All: 2.604+/-1.360 χ^2/NDF: 80.6/78

- sign 2.118+/-1.935 χ^2/NDF: 50.3/39


diff_bpmtargetsumY_rms vs Slug
20000
18000
16000
14000
12000
10000
8000
100
110
120
130
140
150
160
170
180
Right In: 10309.969+/-2.788 χ²/NDF: 770518.2/15
Left Out: 9276.611+/-1.546 χ²/NDF:362327.7/22
Right Out: 10089.584+/-2.692 χ²/NDF: 792788.1/18
Left In: 9233.532+/-1.589 χ²/NDF:507627.0/20
+ sign 9519.519+/-1.352 χ²/NDF: 1237916.4/38
All: 9487.544+/-0.962 χ²/NDF: 2614457.4/78
- sign 9454.774+/-1.369 χ²/NDF: 1375408.1/39



Right In: 0.165+/-0.386 χ^2/NDF: 8.1/15

Left Out: -0.139+/-0.250 χ^2/NDF:15.1/22

Right Out: -0.017+/-0.372 χ^2/NDF: 25.2/18

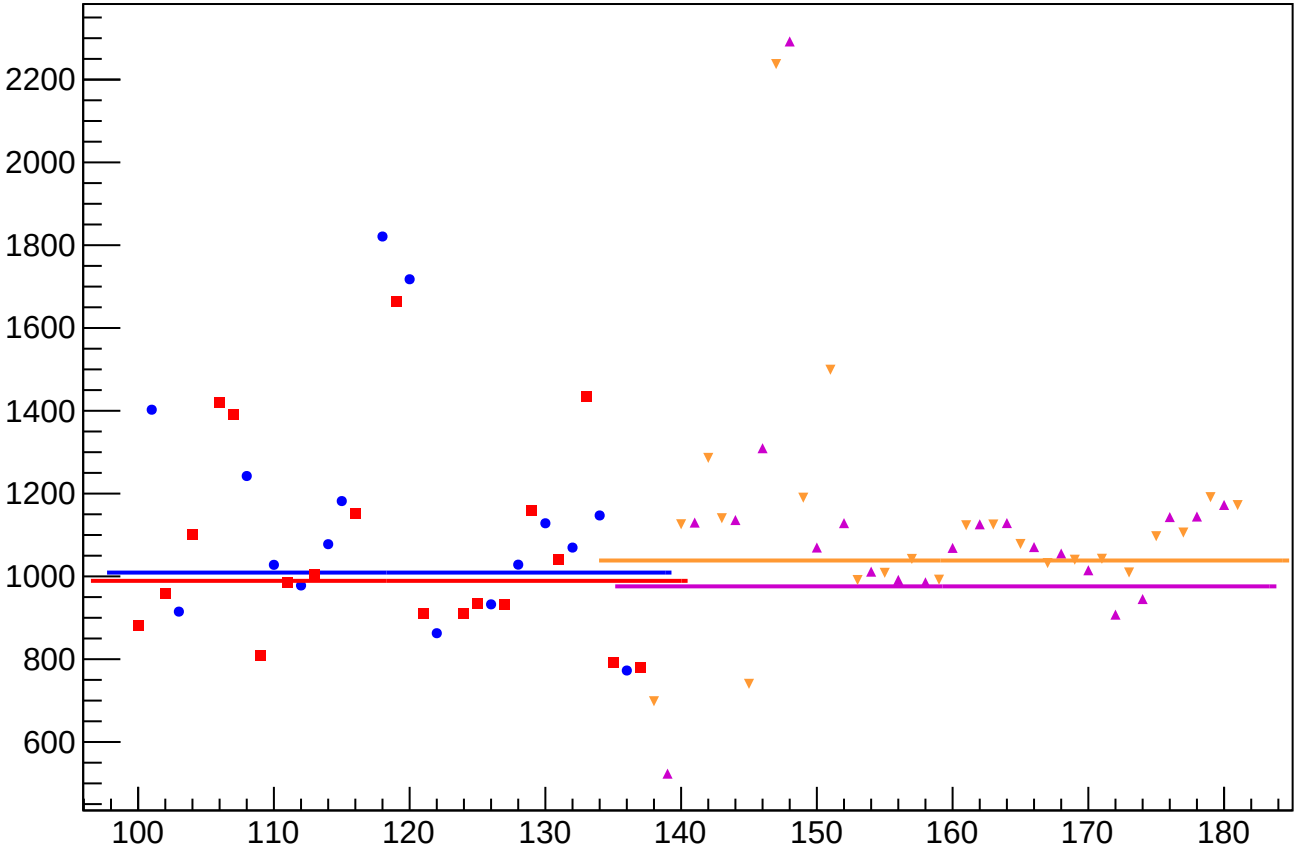
Left In: -0.052+/-0.246 χ^2/NDF:13.3/20

+ sign -0.049+/-0.210 χ^2/NDF: 23.7/38

All: -0.045+/-0.147 χ^2/NDF: 62.2/78

- sign -0.042+/-0.205 χ^2/NDF: 38.5/39

diff_bpmtargetdiffY_rms vs Slug



Right In: 1009.222+/-0.273 χ^2/NDF: 699303.9/15

Left Out: 1038.393+/-0.177 χ^2/NDF:1330860.9/22

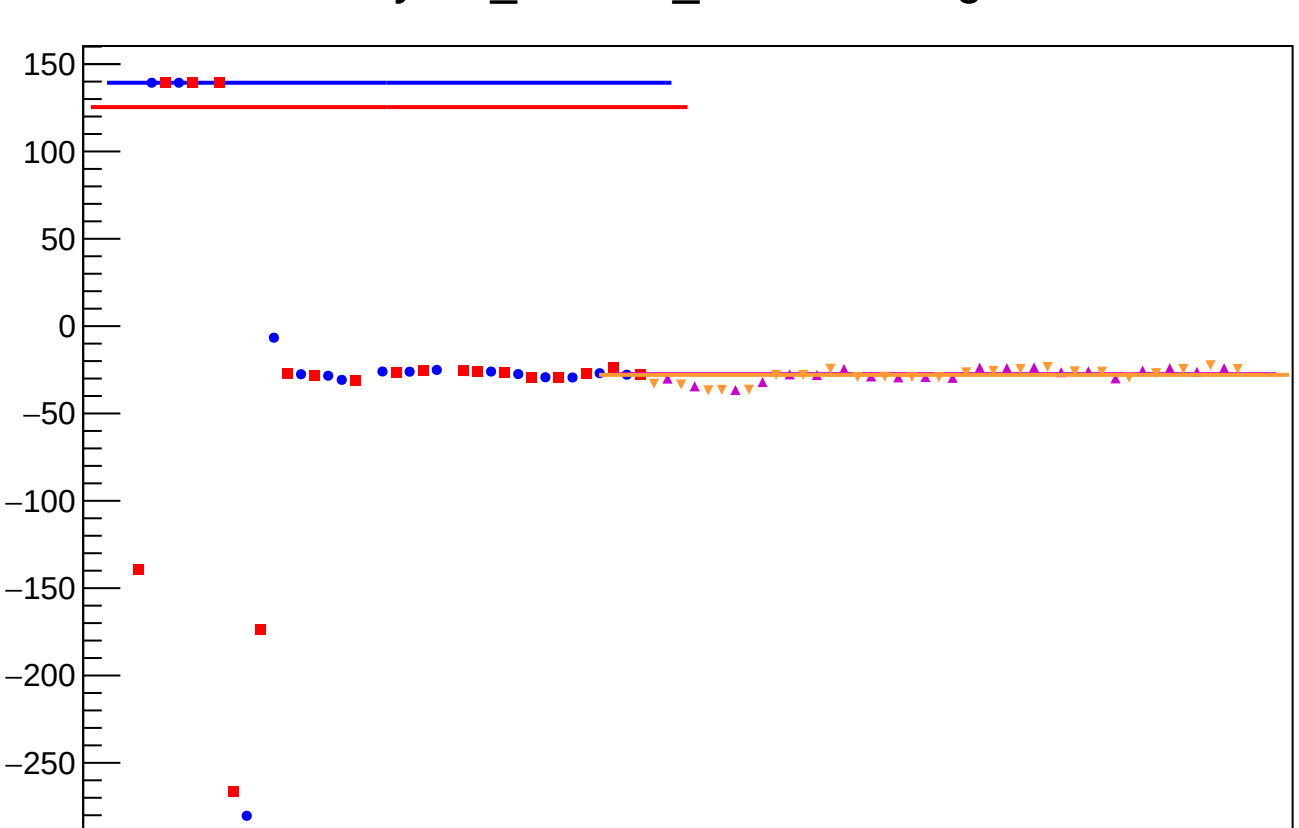
Right Out: 989.246+/-0.263 χ^2/NDF: 575759.9/18

Left In: 975.908+/-0.174 χ^2/NDF:2201946.3/20

+ sign 1029.763+/-0.149 χ^2/NDF: 2038195.2/38

All: 1004.243+/-0.104 χ^2/NDF: 4875269.2/78

- sign 979.953+/-0.145 χ^2/NDF: 2779495.3/39



Right In: 139.337+/-0.000 χ^2/NDF: 47088045550.1/15

Left Out: -27.893+/-0.000 χ^2/NDF:181250820.0/22

Right Out: 125.392+/-0.000 χ^2/NDF: 774173119844052.5/18

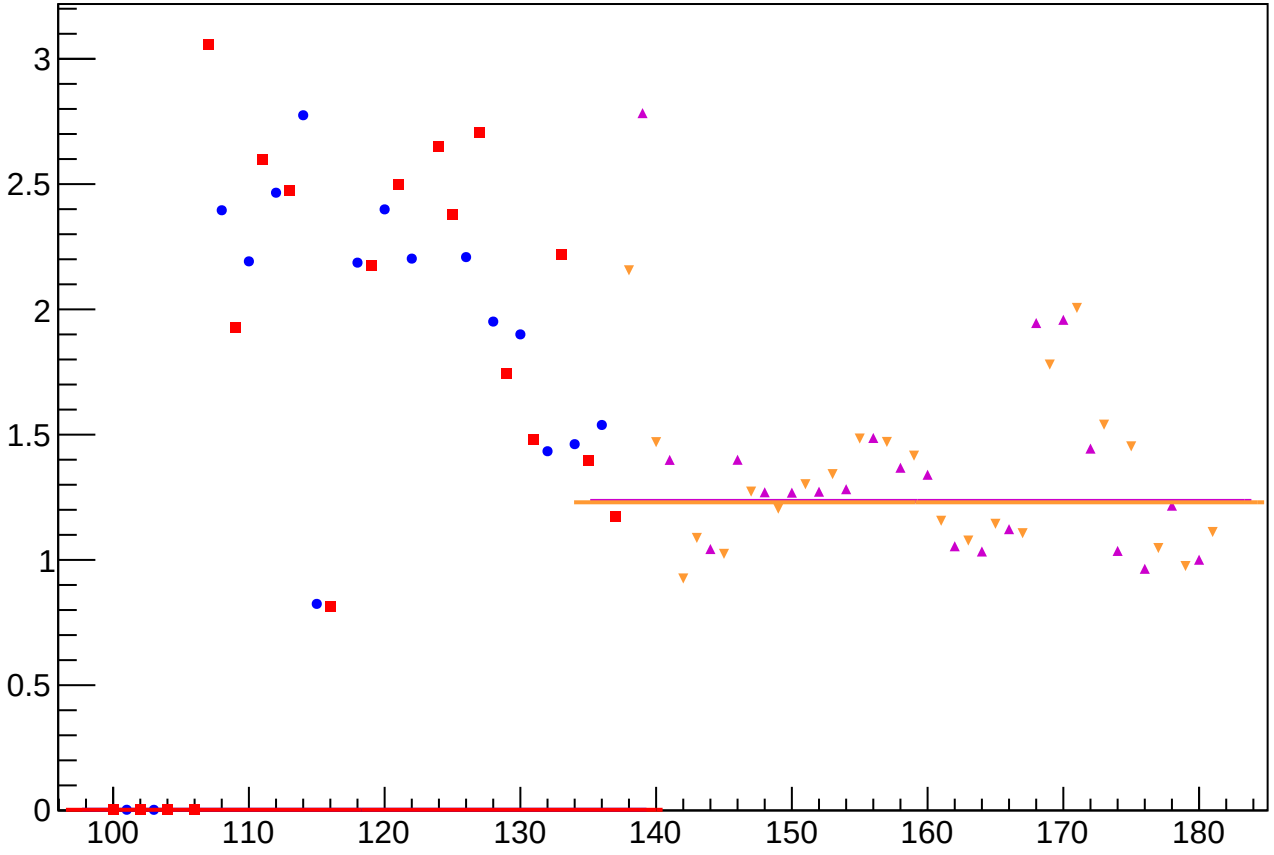
Left In: -27.456+/-0.000 χ^2/NDF:122985328.5/20

+ sign 139.328+/-0.000 χ^2/NDF: 312330789568.7/3

All: 131.811+/-0.000 χ^2/NDF: 79347055857

- sign 125.385+/-0.000 χ^2/NDF: 774379063010199

yield_cav4bX_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 9565657.6/15

Left Out: 1.230+/-0.000 χ^2/NDF:1143029.2/22

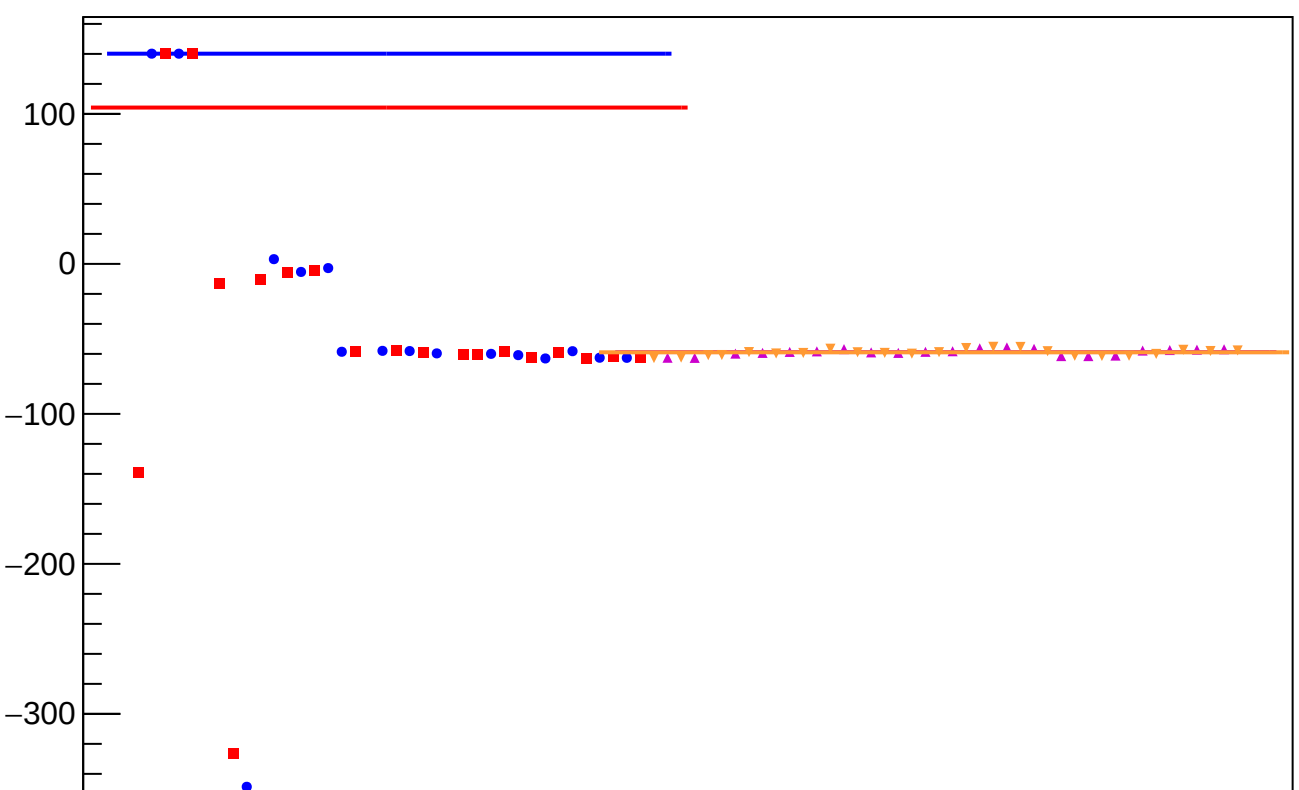
Right Out: 0.003+/-0.000 χ^2/NDF: 9733783.1/18

Left In: 1.235+/-0.000 χ^2/NDF:1363006.3/20

+ sign 0.003+/-0.000 χ^2/NDF: 39261361.3/38

All: 0.003+/-0.000 χ^2/NDF: 77137080.7/78

- sign 0.003+/-0.000 χ^2/NDF: 37875346.5/39



Right In: 140.143+/-0.000 χ^2/NDF: 187461723281.9/15

Left Out: -58.944+/-0.000 χ^2/NDF:164132496.1/22

Right Out: 104.224+/-0.000 χ^2/NDF: 1257401882577977.0/18

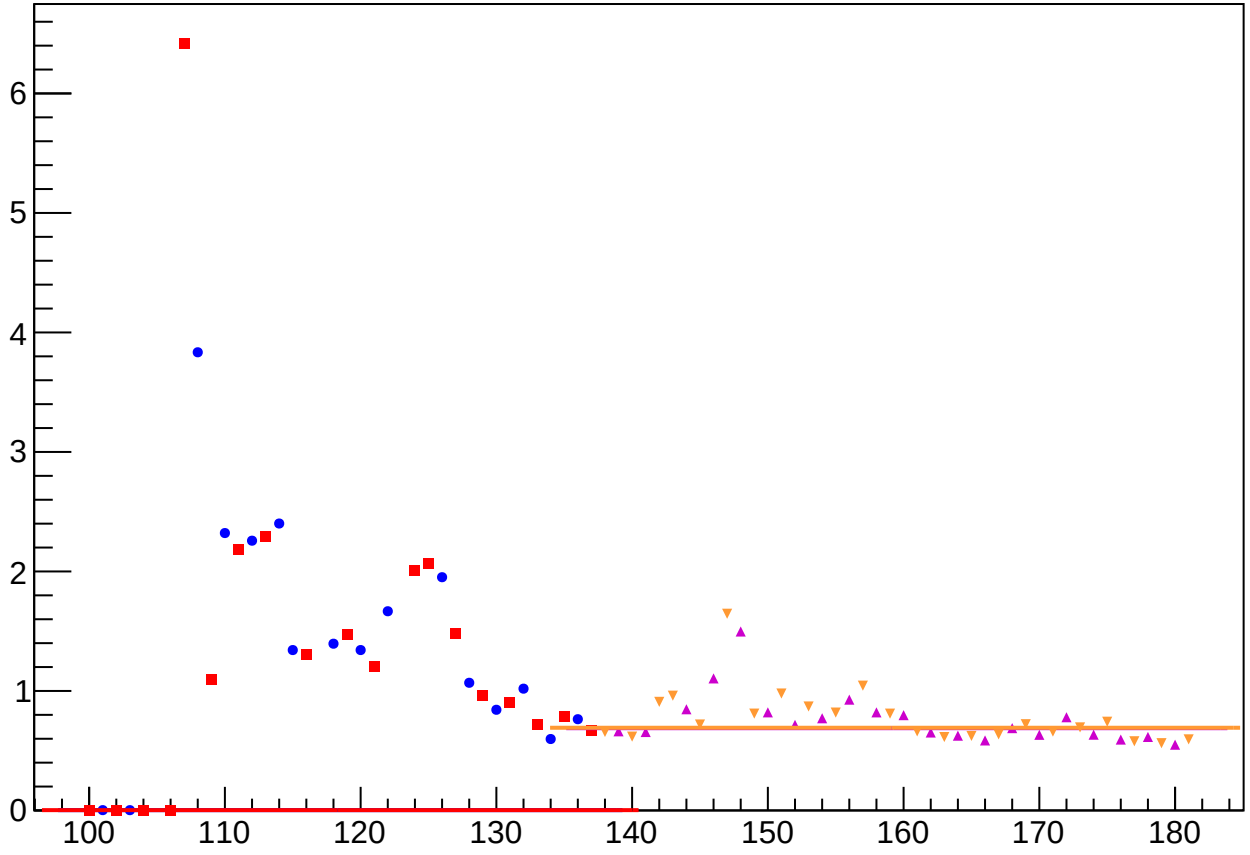
Left In: -58.769+/-0.000 χ^2/NDF:150508882.9/20

+ sign 140.108+/-0.000 χ^2/NDF: 1437174766535.3

All: 120.803+/-0.000 χ^2/NDF: 13828833688

- sign 104.201+/-0.000 χ^2/NDF: 125819966882211

yield_cav4bY_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 10578723.1/15

Left Out: 0.692+/-0.000 χ^2/NDF:1269891.5/22

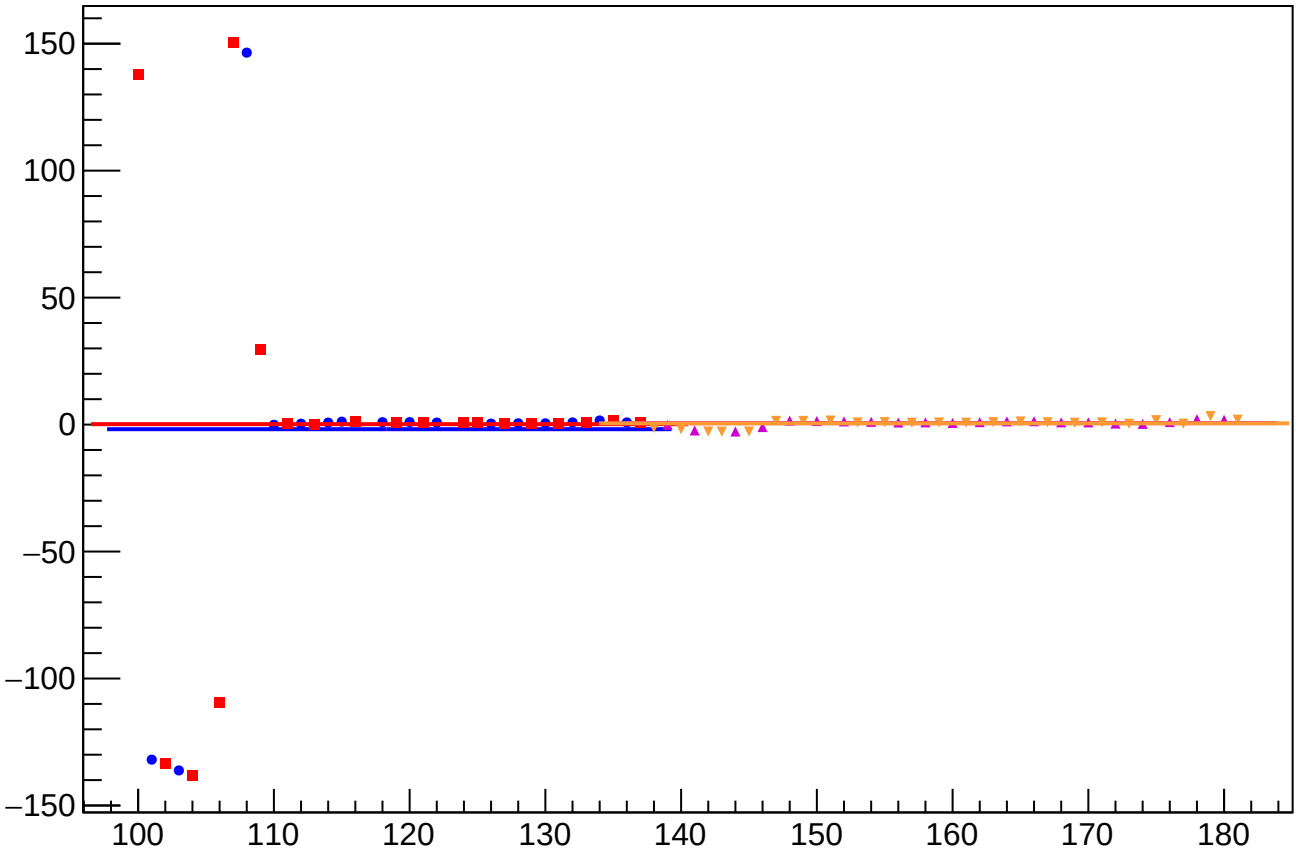
Right Out: 0.003+/-0.000 χ^2/NDF: 10266772.6/18

Left In: 0.688+/-0.000 χ^2/NDF:1085969.5/20

+ sign 0.003+/-0.000 χ^2/NDF: 41812339.5/38

All: 0.003+/-0.000 χ^2/NDF: 81398697.4/78

- sign 0.003+/-0.000 χ^2/NDF: 39585767.9/39



Right In: -1.818+/-0.000 χ^2/NDF: 9887177310.2/15

Left Out: 0.488+/-0.000 χ^2/NDF:145034654.3/22

Right Out: 0.165+/-0.000 χ^2/NDF: 3611245020.0/18

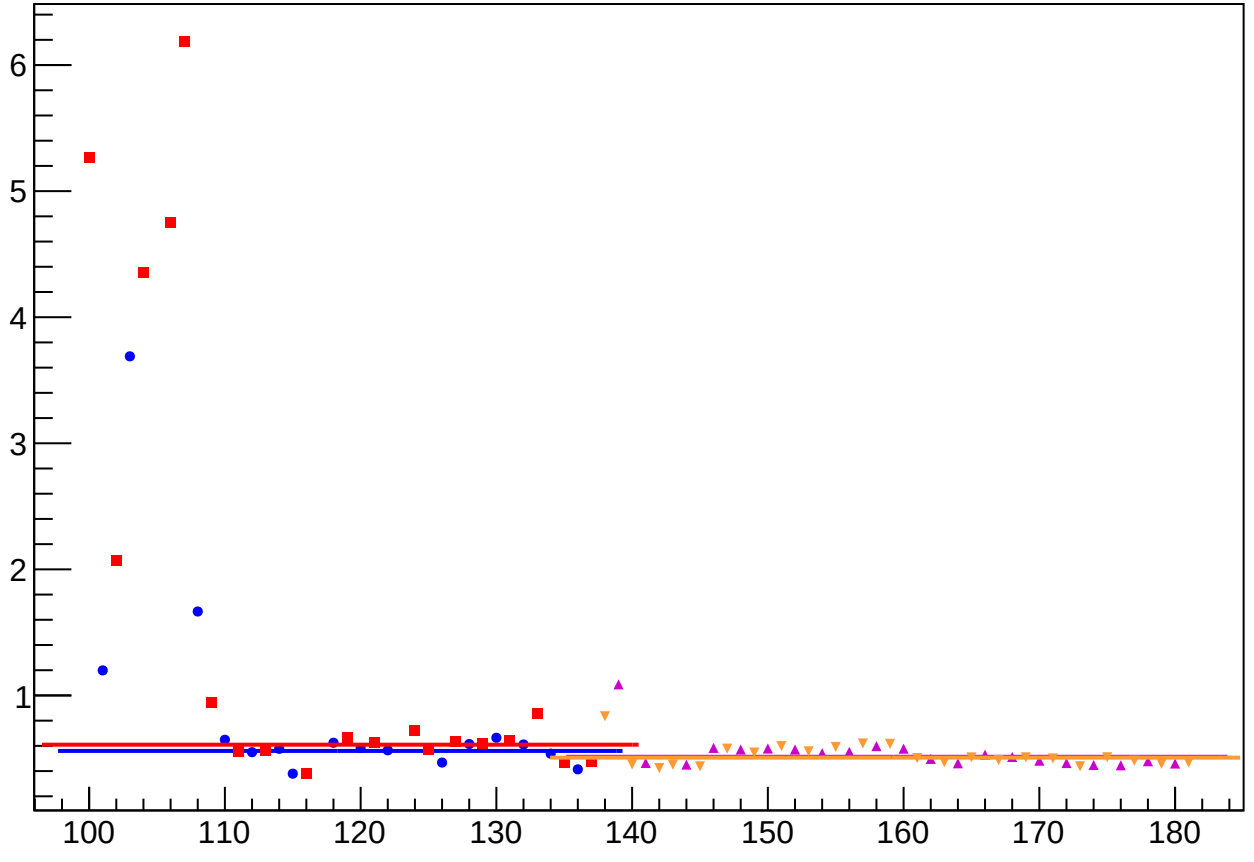
Left In: 0.583+/-0.000 χ^2/NDF:86291642.9/20

+ sign -0.018+/-0.000 χ^2/NDF: 10099163651.0/38

All: 0.226+/-0.000 χ^2/NDF: 13807796585.1/7

- sign 0.498+/-0.000 χ^2/NDF: 3699400183.1/39

yield_cav4cX_rms vs Slug



Right In: 0.560+/-0.000 χ^2/NDF: 1598439.5/15

Left Out: 0.507+/-0.000 χ^2/NDF:553969.9/22

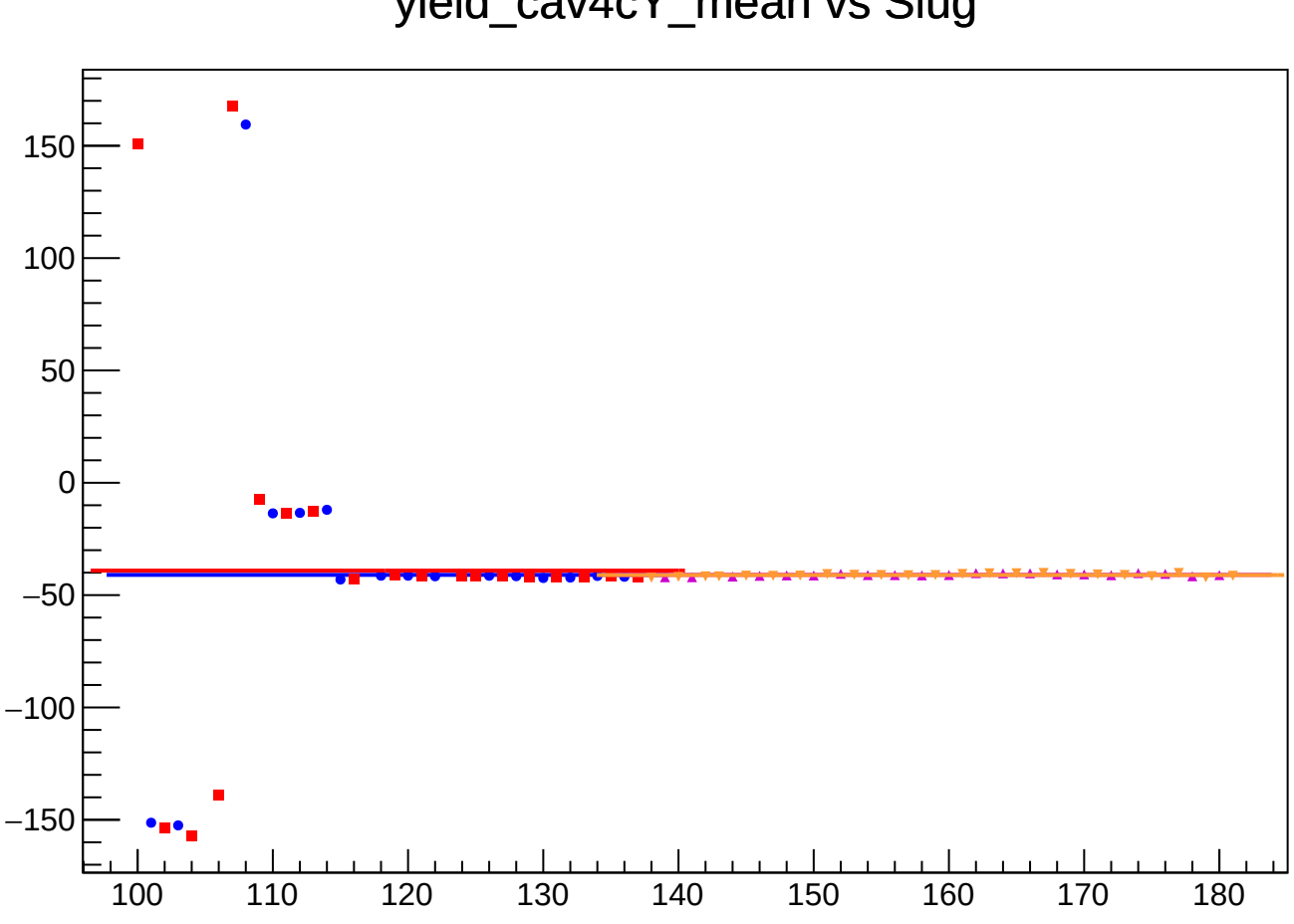
Right Out: 0.609+/-0.000 χ^2/NDF: 2476010.3/18

Left In: 0.513+/-0.000 χ^2/NDF:750588.9/20

+ sign 0.518+/-0.000 χ^2/NDF: 2223747.9/38

All: 0.525+/-0.000 χ^2/NDF: 5661455.3/78

- sign 0.533+/-0.000 χ^2/NDF: 3422791.0/39



Right In: -40.987+/-0.000 χ^2/NDF: 3449622021.8/15

Left Out: -41.062+/-0.000 χ^2/NDF:54975244.3/22

Right Out: -39.101+/-0.000 χ^2/NDF: 2480133442.0/18

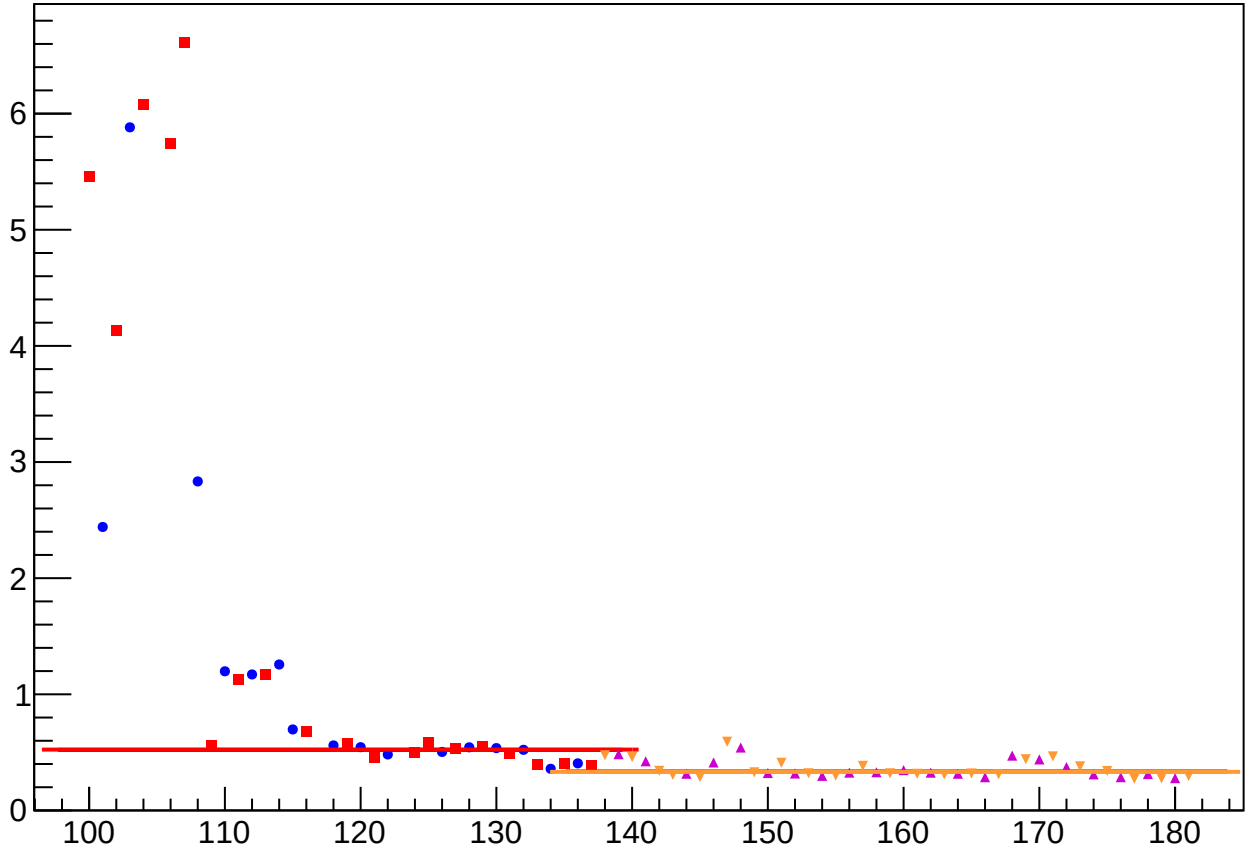
Left In: -40.973+/-0.000 χ^2/NDF:37389704.0/20

+ sign -41.054+/-0.000 χ^2/NDF: 3504690049.0/38

All: -40.913+/-0.000 χ^2/NDF: 6084916487.6/

- sign -40.761+/-0.000 χ^2/NDF: 2573194913.3/39

yield_cav4cY_rms vs Slug



Right In: 0.522+/-0.000 χ^2/NDF: 2949327.6/15

Left Out: 0.332+/-0.000 χ^2/NDF:1125856.4/22

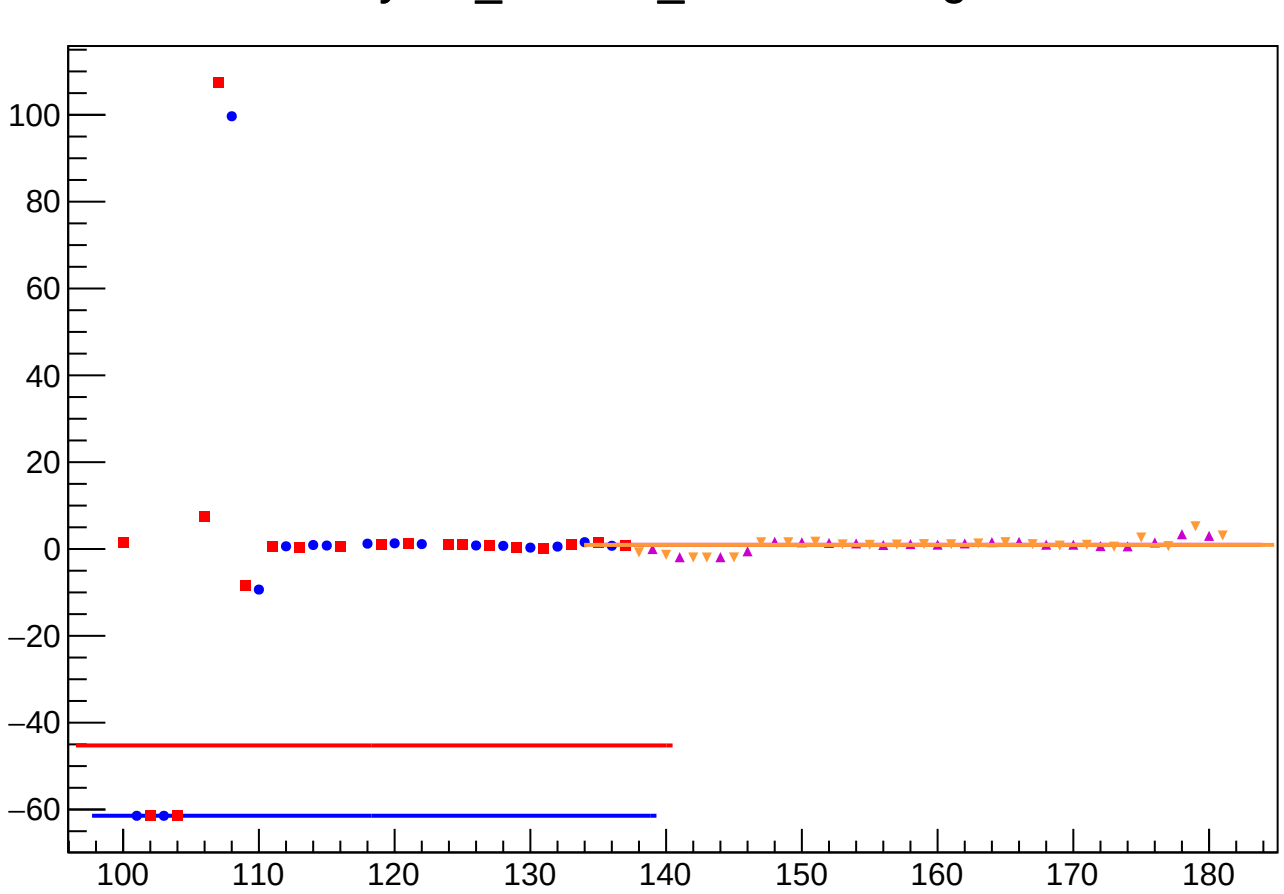
Right Out: 0.524+/-0.000 χ^2/NDF: 3264460.0/18

Left In: 0.336+/-0.000 χ^2/NDF:940869.8/20

+ sign 0.353+/-0.000 χ^2/NDF: 5260395.5/38

All: 0.355+/-0.000 χ^2/NDF: 10586997.6/78

- sign 0.358+/-0.000 χ^2/NDF: 5322678.5/39



Right In: -61.436+/-0.000 χ^2/NDF: 273496278670.9/15

Left Out: 0.948+/-0.000 χ^2/NDF:230428042.8/22

Right Out: -45.245+/-0.000 χ^2/NDF: 357870328061478.0/18

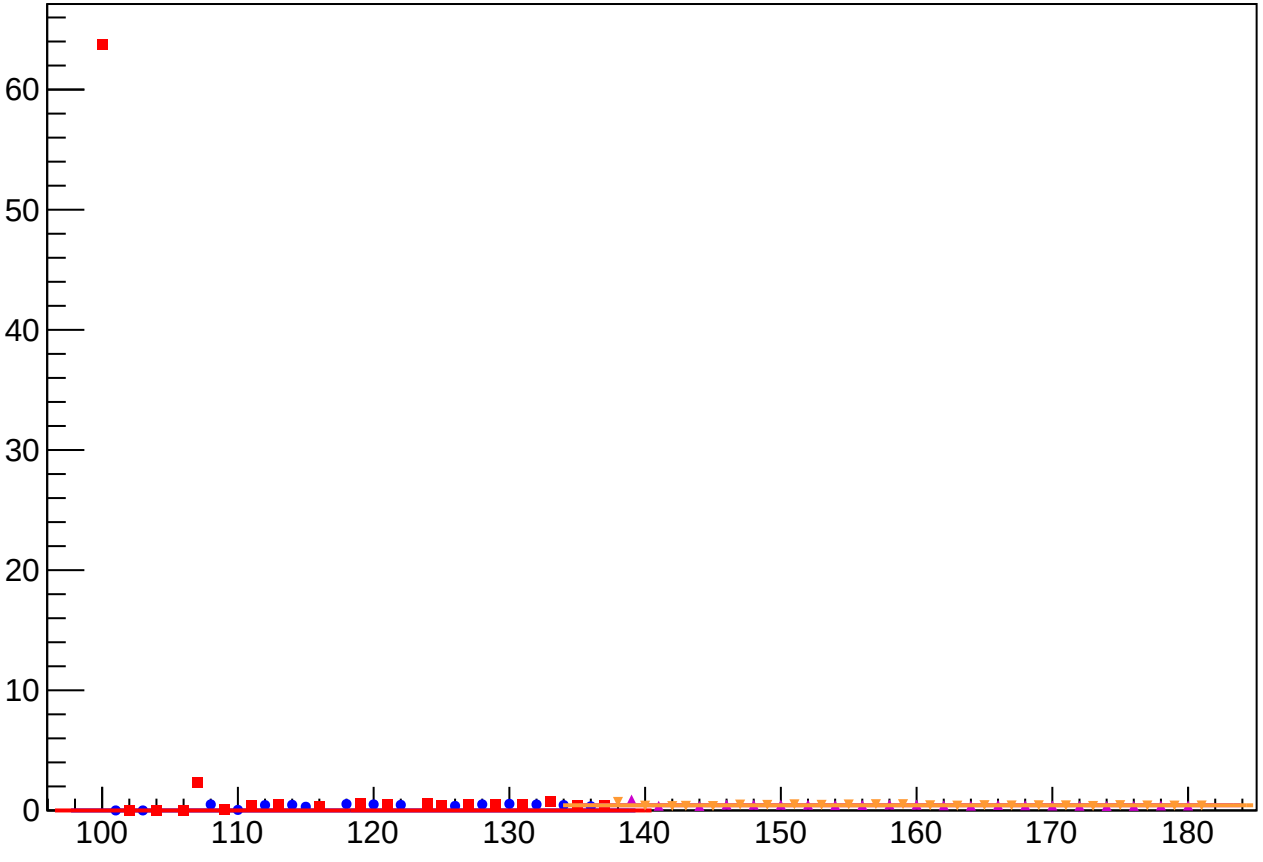
Left In: 0.961+/-0.000 χ^2/NDF:128275125.8/20

+ sign -61.422+/-0.000 χ^2/NDF: 583776083321.0/3

All: -52.739+/-0.000 χ^2/NDF: 409560638843

- sign -45.237+/-0.000 χ^2/NDF: 358024874413991.

yield_cav4dX_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 9156181.6/15

Left Out: 0.431+/-0.000 χ^2/NDF:524708.5/22

Right Out: 0.001+/-0.000 χ^2/NDF: 9345109.5/18

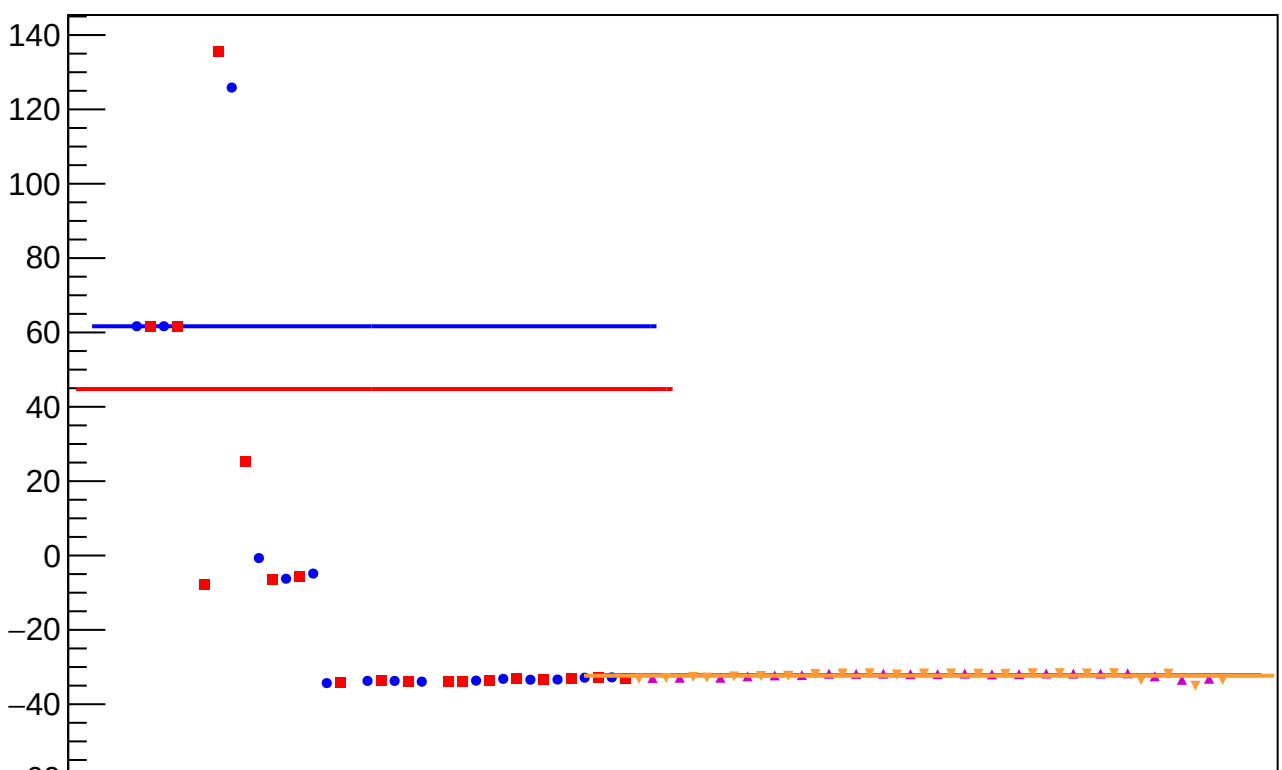
Left In: 0.439+/-0.000 χ^2/NDF:694038.4/20

+ sign 0.002+/-0.000 χ^2/NDF: 39078764.7/38

All: 0.002+/-0.000 χ^2/NDF: 76751963.3/78

- sign 0.002+/-0.000 χ^2/NDF: 37673019.5/39

yield_cav4dY_mean vs Slug



Right In: 61.662+/-0.000 χ^2/NDF: 369463062074.0/15

Left Out: -32.336+/-0.000 χ^2/NDF:155864901.0/22

Right Out: 44.786+/-0.000 χ^2/NDF: 366094778229951.8/18

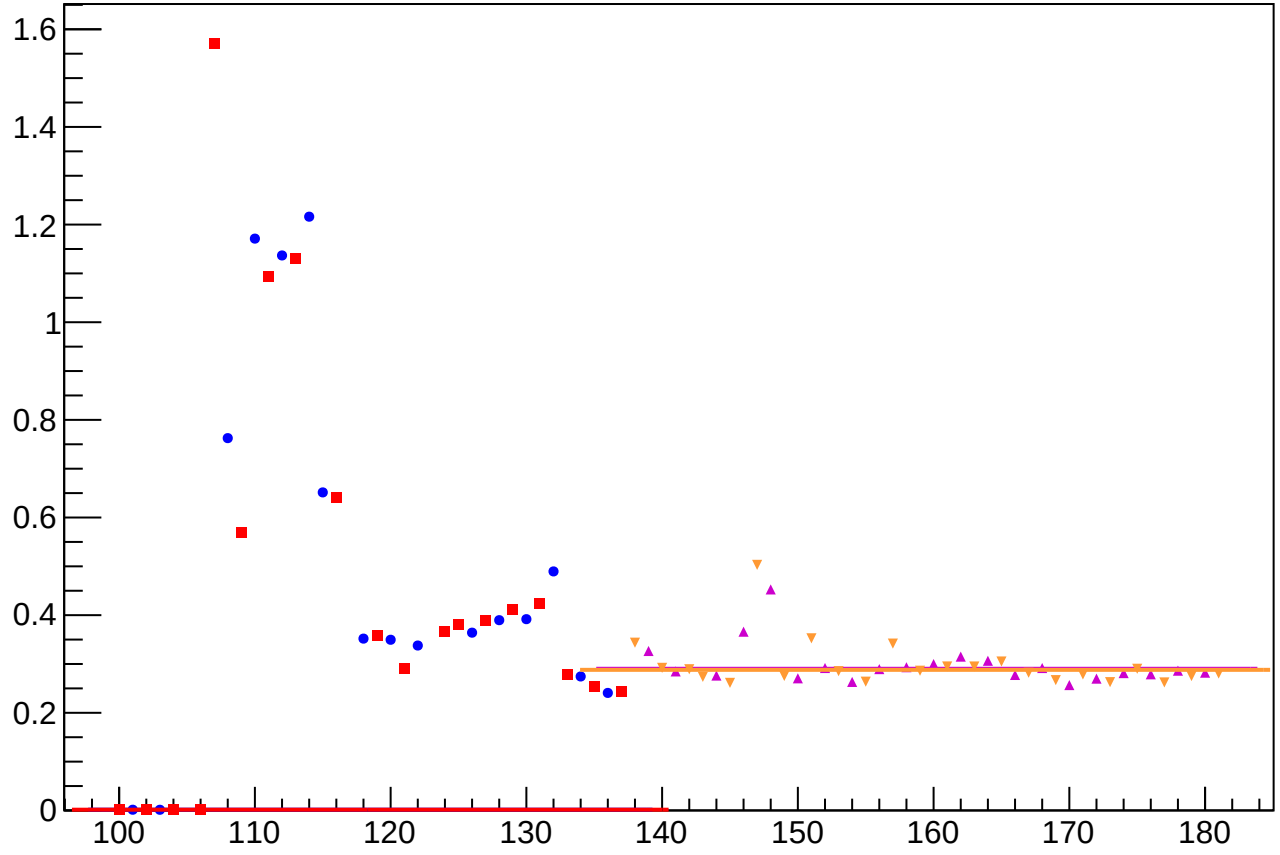
Left In: -32.196+/-0.000 χ^2/NDF:58004783.6/20

+ sign 61.603+/-0.000 χ^2/NDF: 2224079438094.5/3

All: 52.641+/-0.000 χ^2/NDF: 420490773728

- sign 44.746+/-0.000 χ^2/NDF: 367250532965604.4

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:511888.5/22

Right Out: 0.002+/-0.000 χ^2/NDF: 10559220.1/18

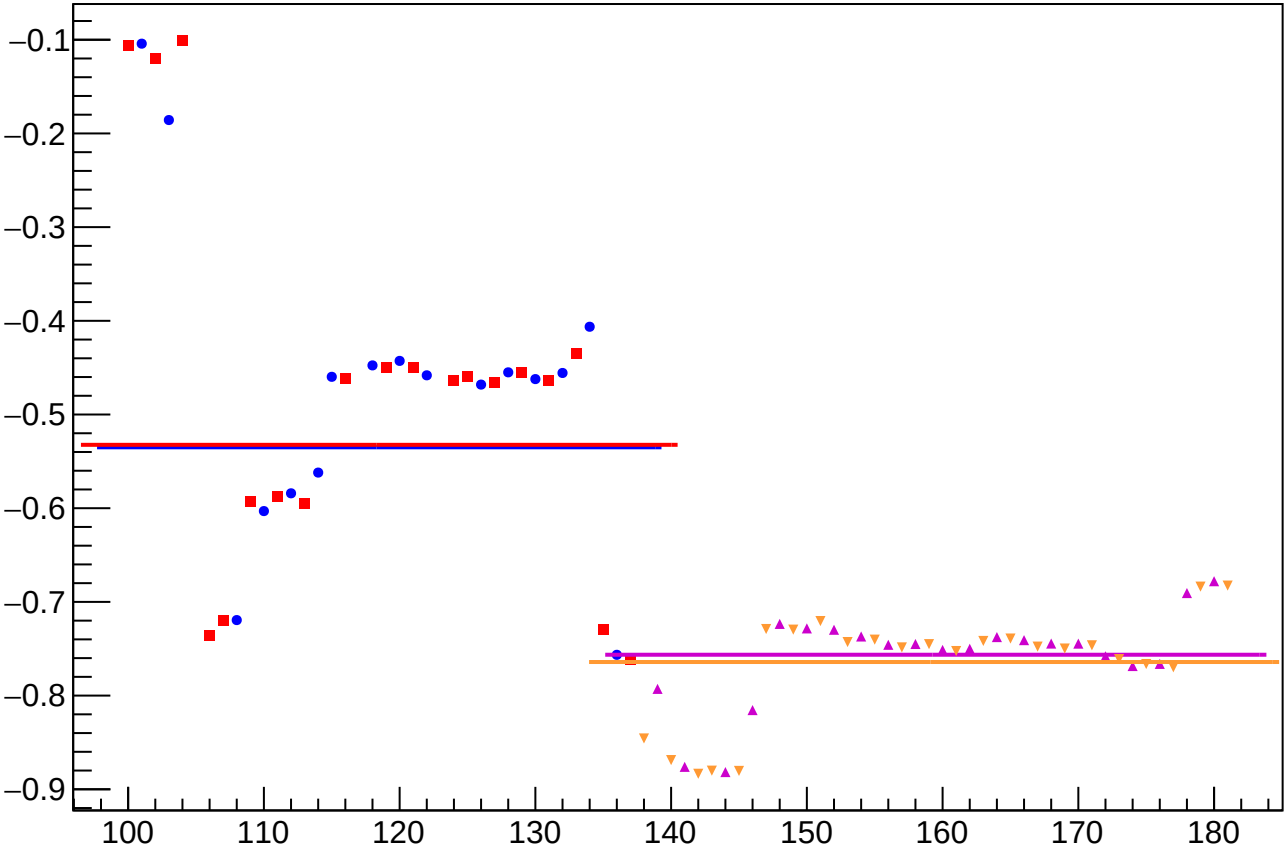
Left In: 0.290+/-0.000 χ^2/NDF:385417.3/20

+ sign 0.002+/-0.000 χ^2/NDF: 45987326.4/38

All: 0.002+/-0.000 χ^2/NDF: 89425380.9/78

- sign 0.002+/-0.000 χ^2/NDF: 43437999.4/39

yield_bpm4aX_mean vs Slug



Right In: -0.535+/-0.000 χ^2/NDF: 300846309.5/15

Left Out: -0.764+/-0.000 χ^2/NDF:149668377.0/22

Right Out: -0.532+/-0.000 χ^2/NDF: 214124648.5/18

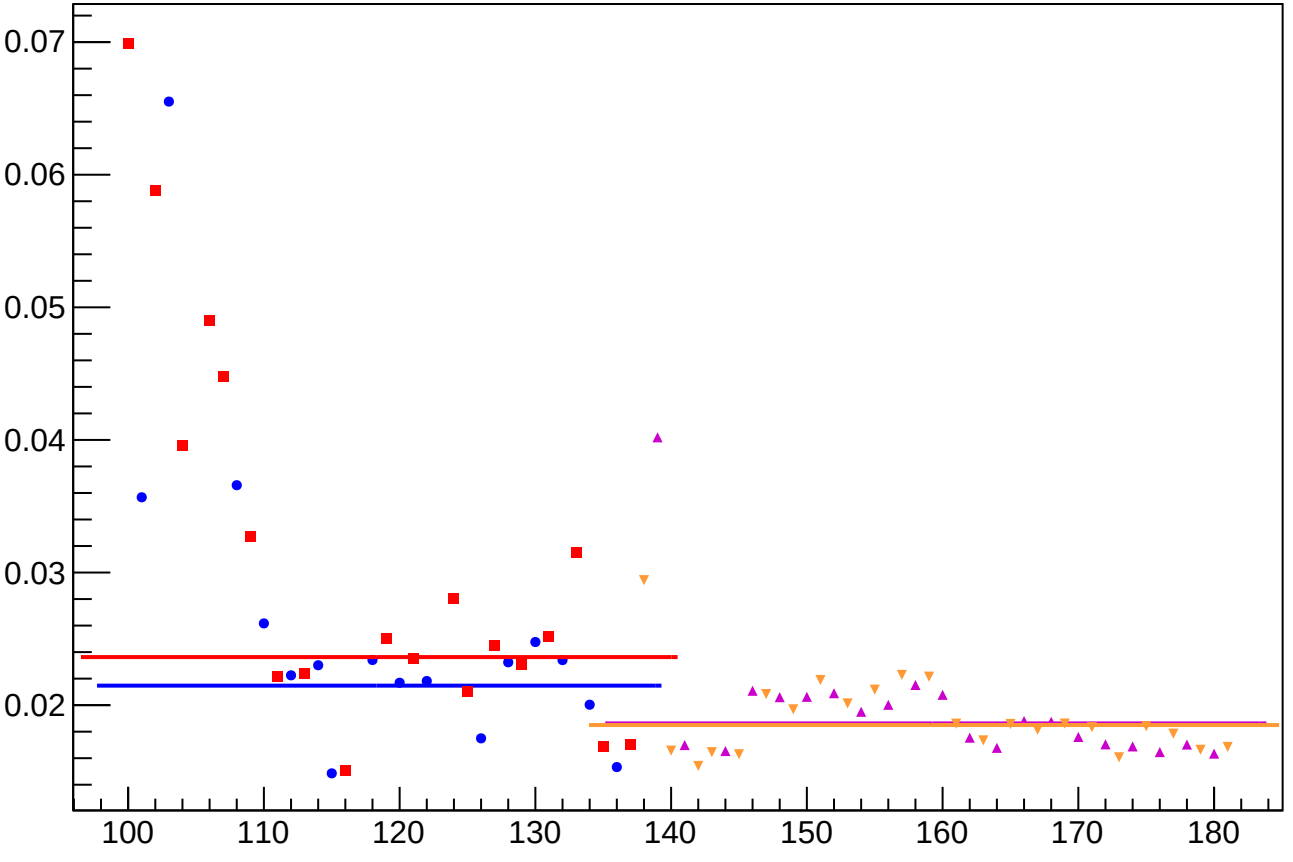
Left In: -0.756+/-0.000 χ^2/NDF:109015757.7/20

+ sign -0.715+/-0.000 χ^2/NDF: 931182689.3/38

All: -0.713+/-0.000 χ^2/NDF: 1655572777.0/7

- sign -0.711+/-0.000 χ^2/NDF: 723961708.7/39

yield_bpm4aX_rms vs Slug



Right In: 0.021+/-0.000 χ^2/NDF: 1153987.6/15

Left Out: 0.018+/-0.000 χ^2/NDF:491186.3/22

Right Out: 0.024+/-0.000 χ^2/NDF: 1277268.6/18

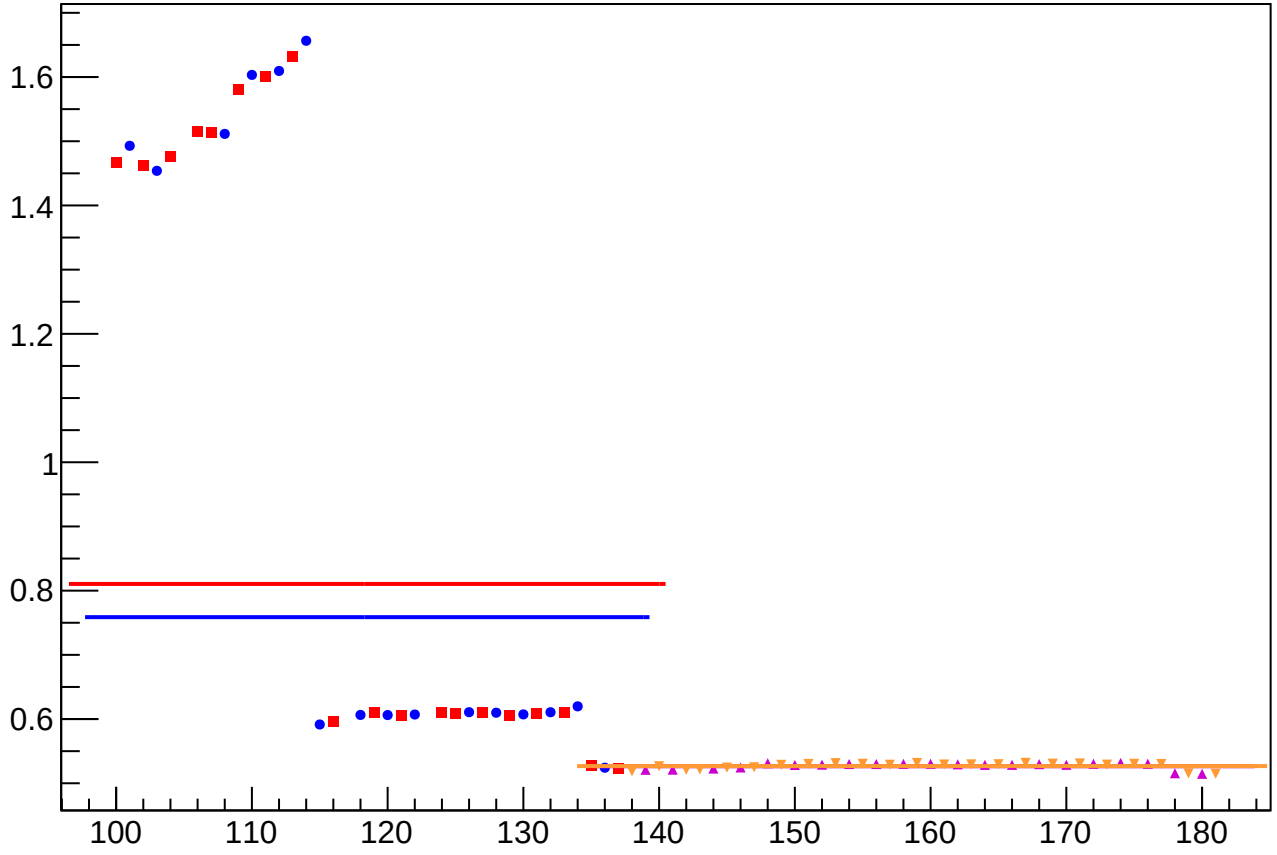
Left In: 0.019+/-0.000 χ^2/NDF:738099.9/20

+ sign 0.019+/-0.000 χ^2/NDF: 1806788.0/38

All: 0.019+/-0.000 χ^2/NDF: 4234418.8/78

- sign 0.020+/-0.000 χ^2/NDF: 2414748.4/39

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:3648438.3/22

Right Out: 0.810+/-0.000 χ^2/NDF: 4769381416.8/18

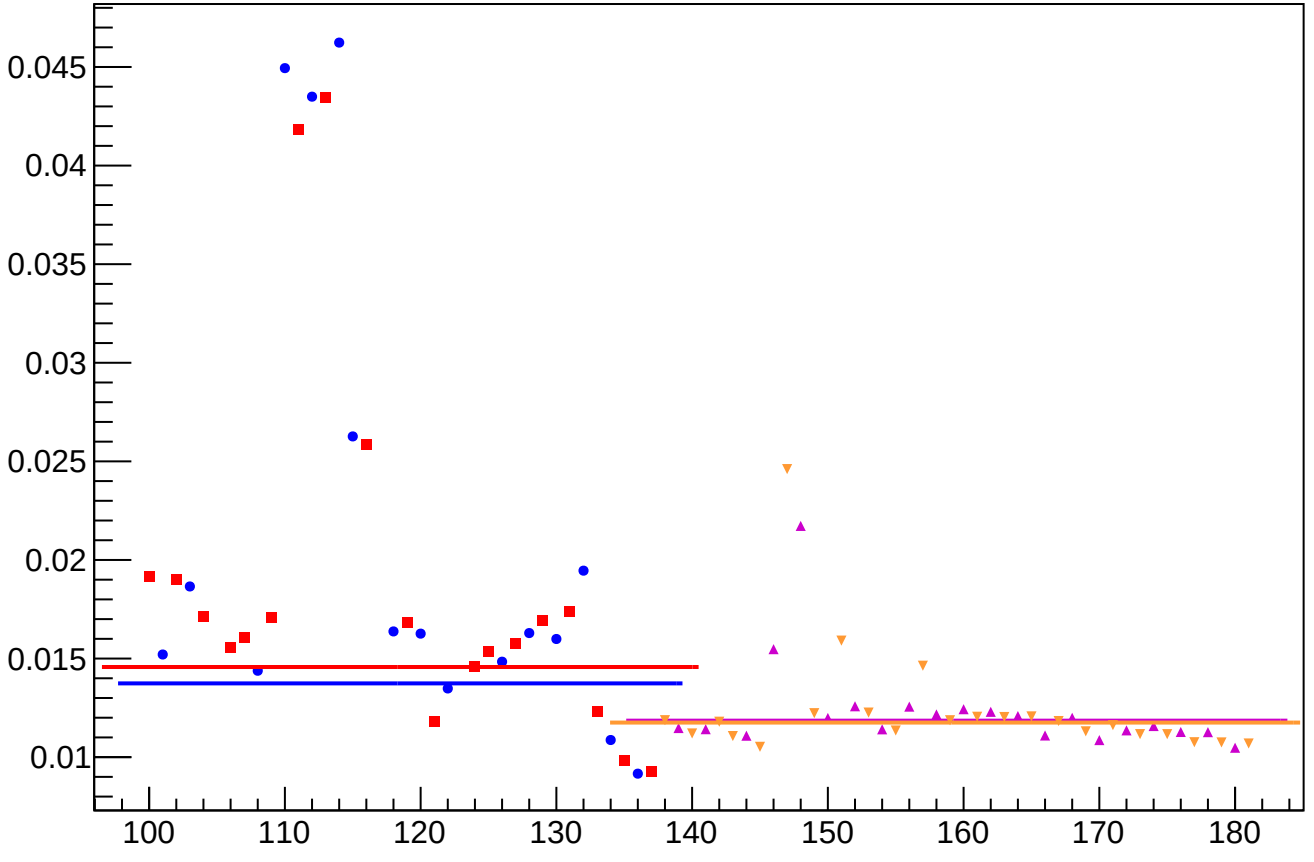
Left In: 0.526+/-0.000 χ^2/NDF:3278633.3/20

+ sign 0.573+/-0.000 χ^2/NDF: 5666226140.3/38

All: 0.578+/-0.000 χ^2/NDF: 12342244369.2/7

- sign 0.583+/-0.000 χ^2/NDF: 6667948747.3/39

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:697663.6/22

Right Out: 0.015+/-0.000 χ^2/NDF: 1455054.4/18

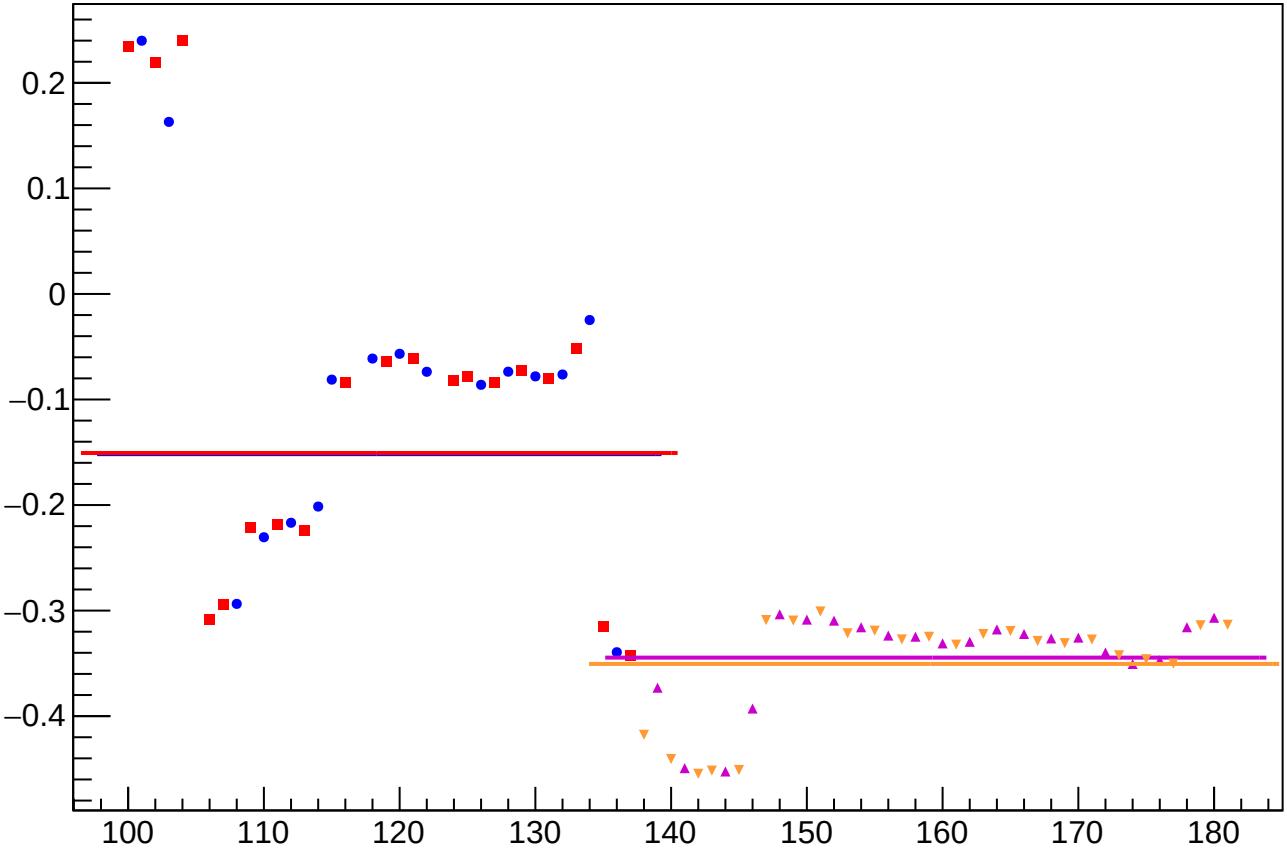
Left In: 0.012+/-0.000 χ^2/NDF:507256.9/20

+ sign 0.012+/-0.000 χ^2/NDF: 2546739.8/38

All: 0.012+/-0.000 χ^2/NDF: 4866182.6/78

- sign 0.012+/-0.000 χ^2/NDF: 2310315.3/39

yield_bpm4eX_mean vs Slug



Right In: -0.152+/-0.000 χ^2/NDF: 276791709.3/15

Left Out: -0.351+/-0.000 χ^2/NDF:113410330.0/22

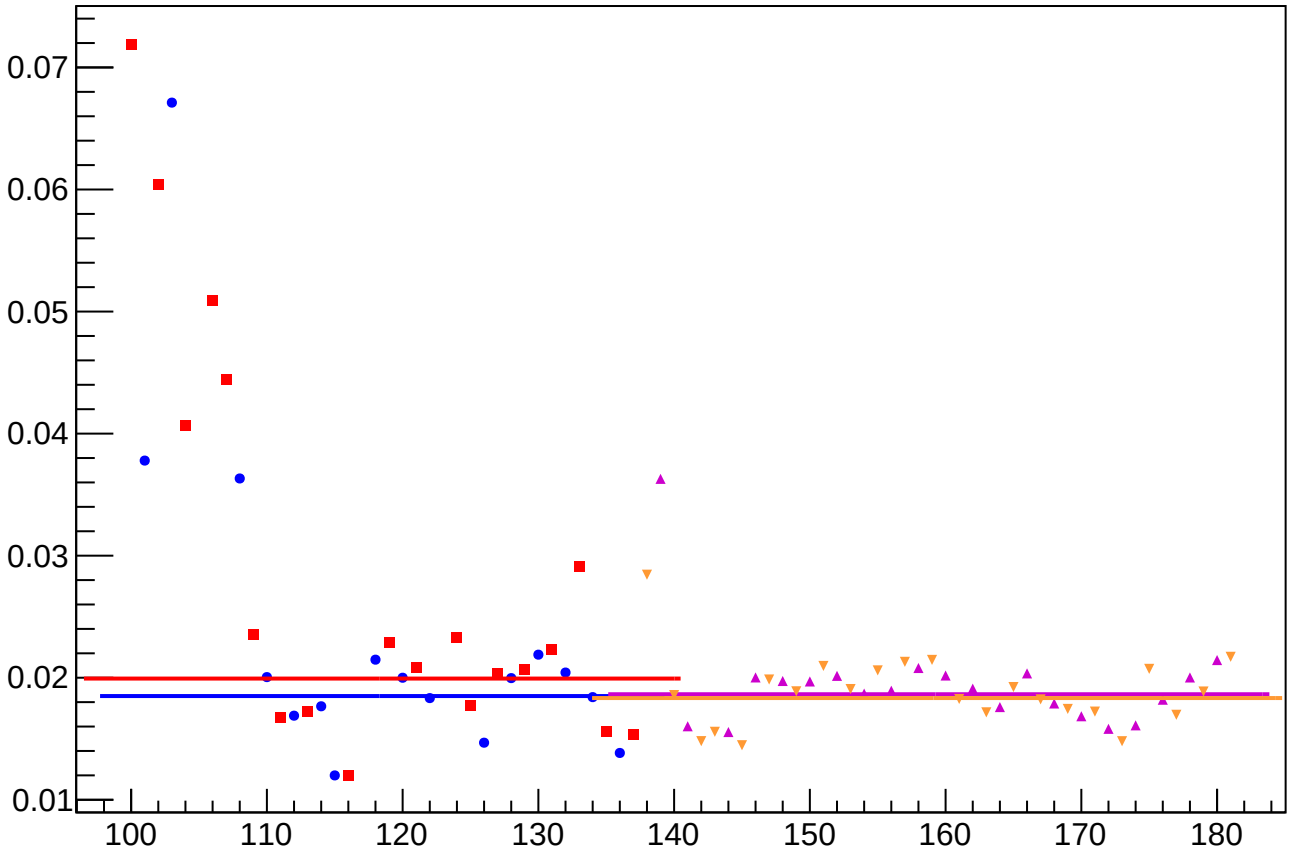
Right Out: -0.151+/-0.000 χ^2/NDF: 199410234.4/18

Left In: -0.345+/-0.000 χ^2/NDF:82549424.3/20

+ sign -0.299+/-0.000 χ^2/NDF: 842296486.5/38

All: -0.298+/-0.000 χ^2/NDF: 1509480393.4/7

- sign -0.296+/-0.000 χ^2/NDF: 666750327.2/39



Right In: 0.018+/-0.000 χ^2/NDF: 1372359.1/15

Left Out: 0.018+/-0.000 χ^2/NDF:586381.1/22

Right Out: 0.020+/-0.000 χ^2/NDF: 1547561.3/18

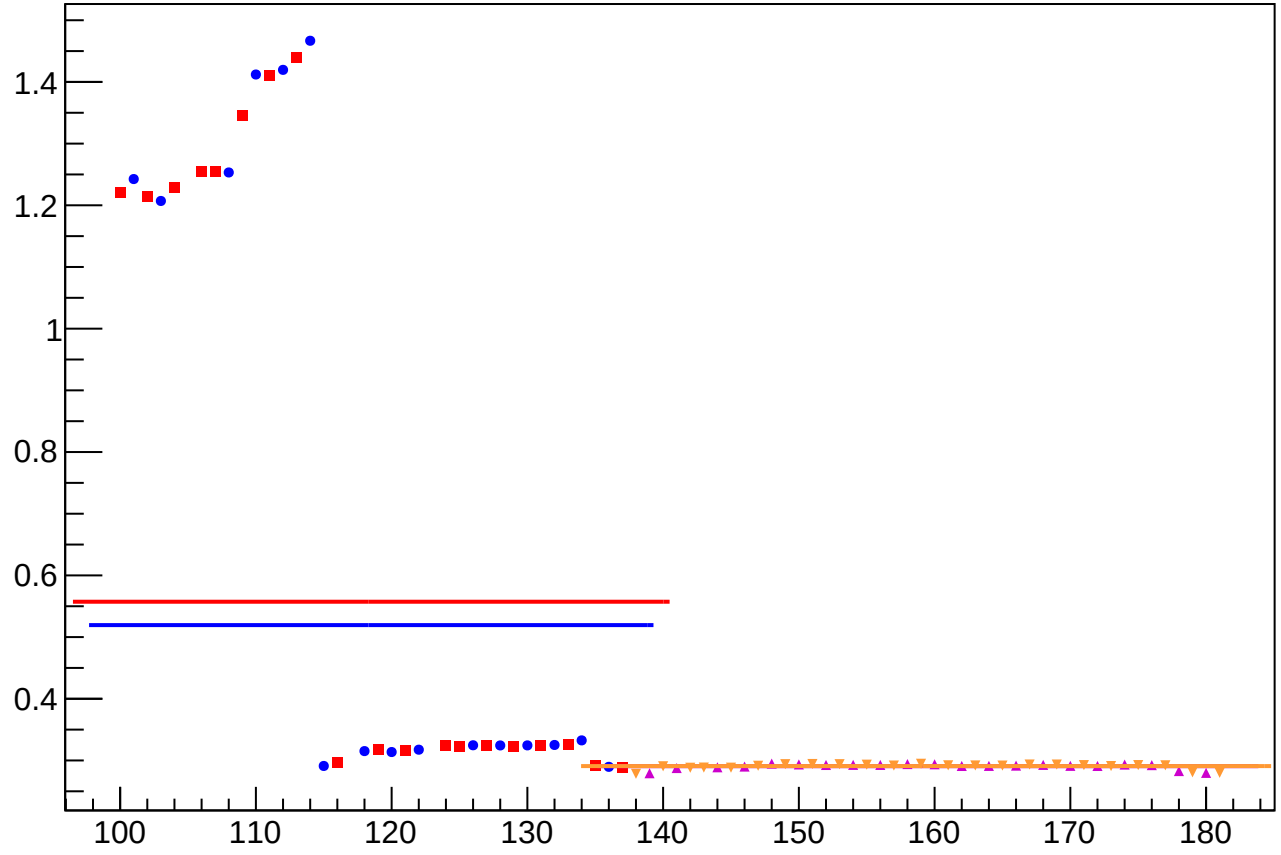
Left In: 0.019+/-0.000 χ^2/NDF:673003.4/20

+ sign 0.018+/-0.000 χ^2/NDF: 1959357.6/38

All: 0.019+/-0.000 χ^2/NDF: 4233882.3/78

- sign 0.019+/-0.000 χ^2/NDF: 2254329.3/39

yield_bpm4eY_mean vs Slug



Right In: 0.519+/-0.000 χ^2/NDF: 6319132275.3/15

Left Out: 0.291+/-0.000 χ^2/NDF:2428203.4/22

Right Out: 0.557+/-0.000 χ^2/NDF: 6746144835.5/18

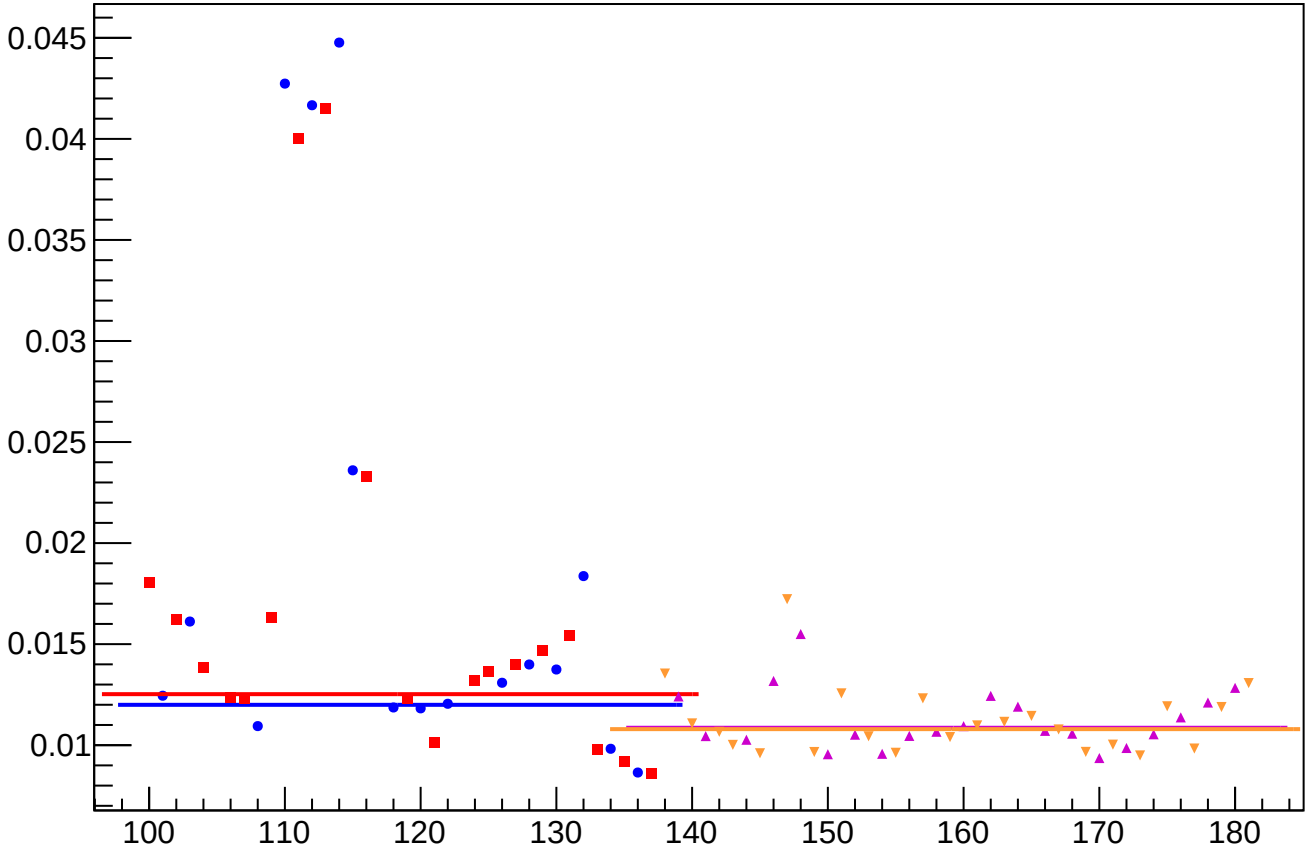
Left In: 0.291+/-0.000 χ^2/NDF:2256045.7/20

+ sign 0.341+/-0.000 χ^2/NDF: 8014546978.7/38

All: 0.345+/-0.000 χ^2/NDF: 16935274156.8/7

- sign 0.349+/-0.000 χ^2/NDF: 8913793614.7/39

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:581989.4/22

Right Out: 0.013+/-0.000 χ^2/NDF: 1434210.5/18

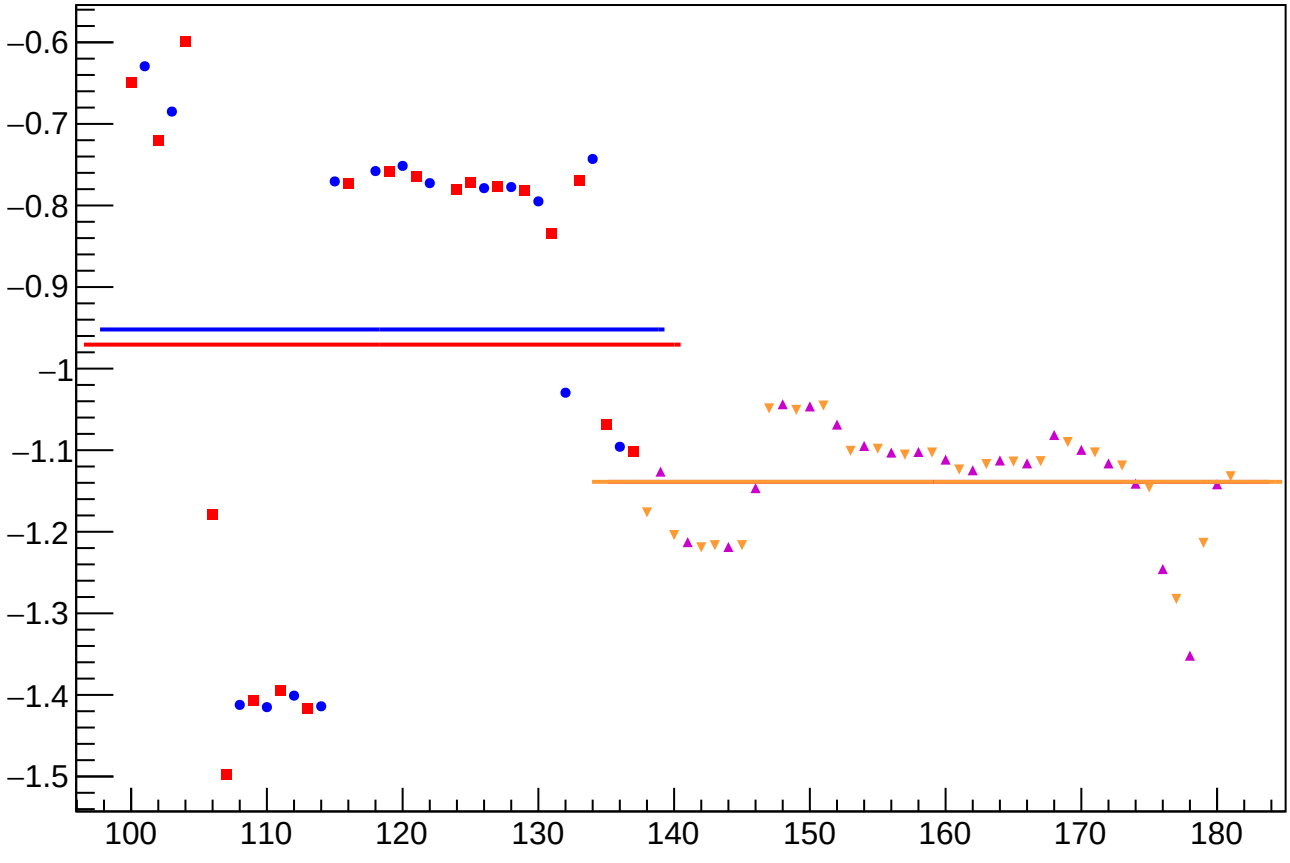
Left In: 0.011+/-0.000 χ^2/NDF:451251.7/20

+ sign 0.011+/-0.000 χ^2/NDF: 2167346.6/38

All: 0.011+/-0.000 χ^2/NDF: 4226720.9/78

- sign 0.011+/-0.000 χ^2/NDF: 2053980.1/39

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:167326025.3/22

Right Out: -0.971+/-0.000 χ^2/NDF: 714505458.0/18

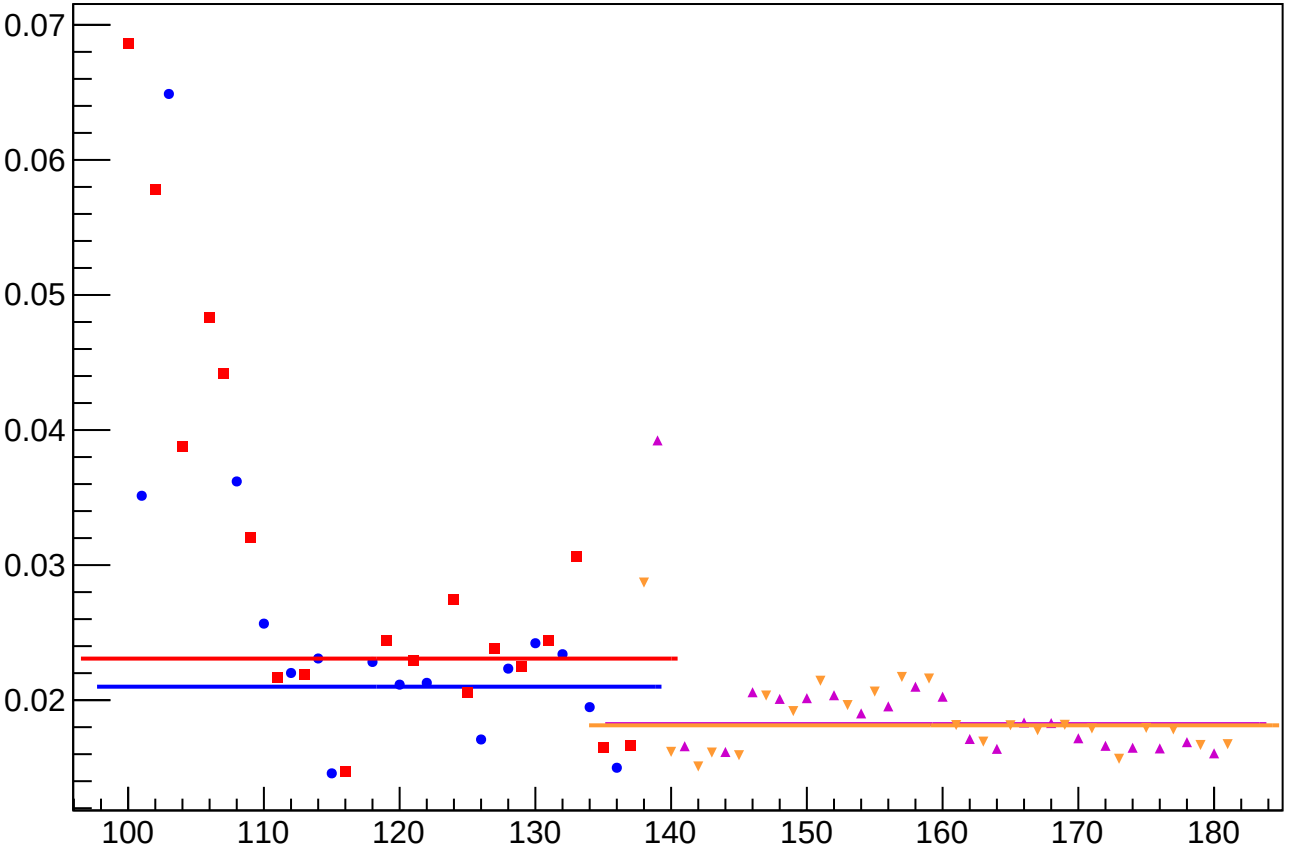
Left In: -1.139+/-0.000 χ^2/NDF:220502673.9/20

+ sign -1.099+/-0.000 χ^2/NDF: 1199890927.0/38

All: -1.102+/-0.000 χ^2/NDF: 2372155814.2/7

- sign -1.105+/-0.000 χ^2/NDF: 1171242341.3/39

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:473410.4/22

Right Out: 0.023+/-0.000 χ^2/NDF: 1281311.4/18

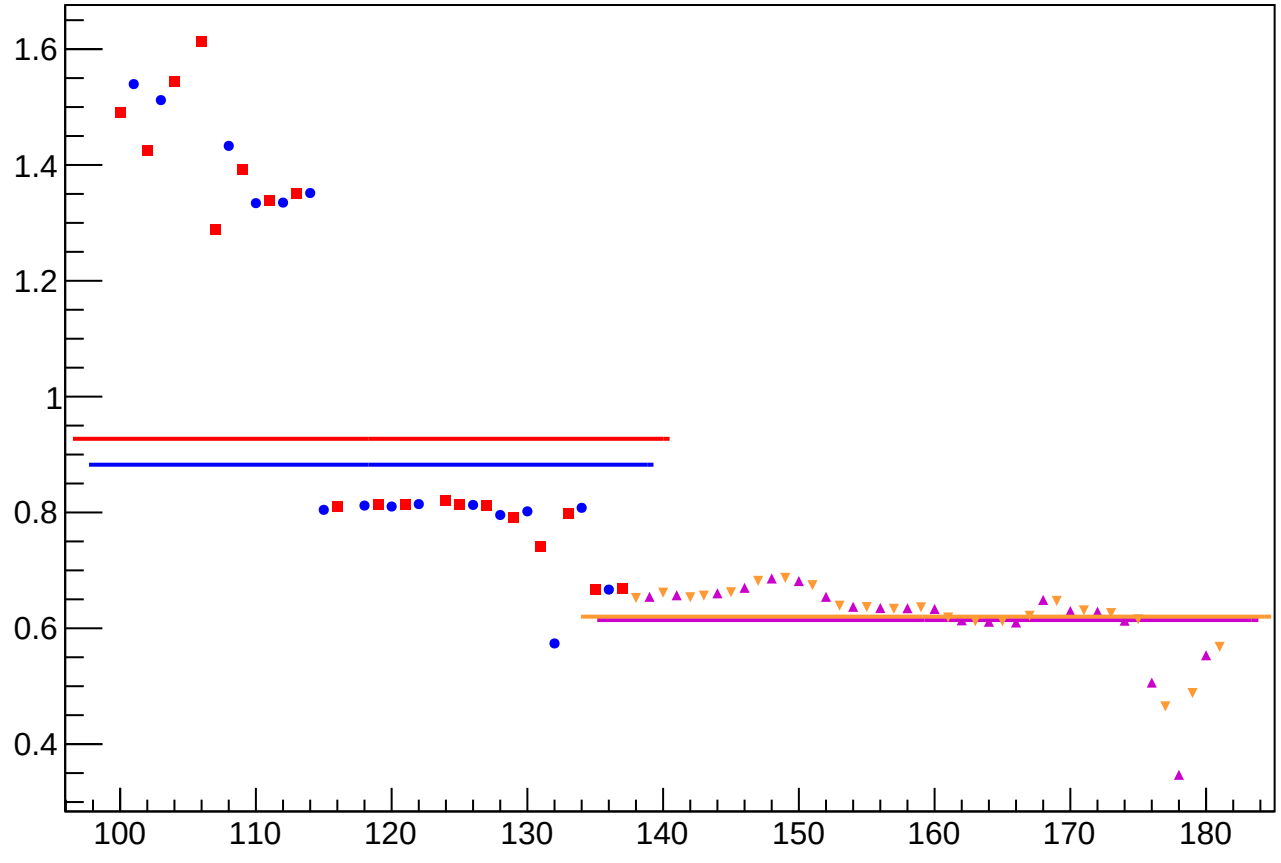
Left In: 0.018+/-0.000 χ^2/NDF:723056.9/20

+ sign 0.019+/-0.000 χ^2/NDF: 1796677.6/38

All: 0.019+/-0.000 χ^2/NDF: 4204697.3/78

- sign 0.019+/-0.000 χ^2/NDF: 2396805.3/39

yield_bpm4acY_mean vs Slug



Right In: 0.882+/-0.000 χ^2/NDF: 2784156746.4/15

Left Out: 0.620+/-0.000 χ^2/NDF:372530855.2/22

Right Out: 0.927+/-0.000 χ^2/NDF: 2762998321.3/18

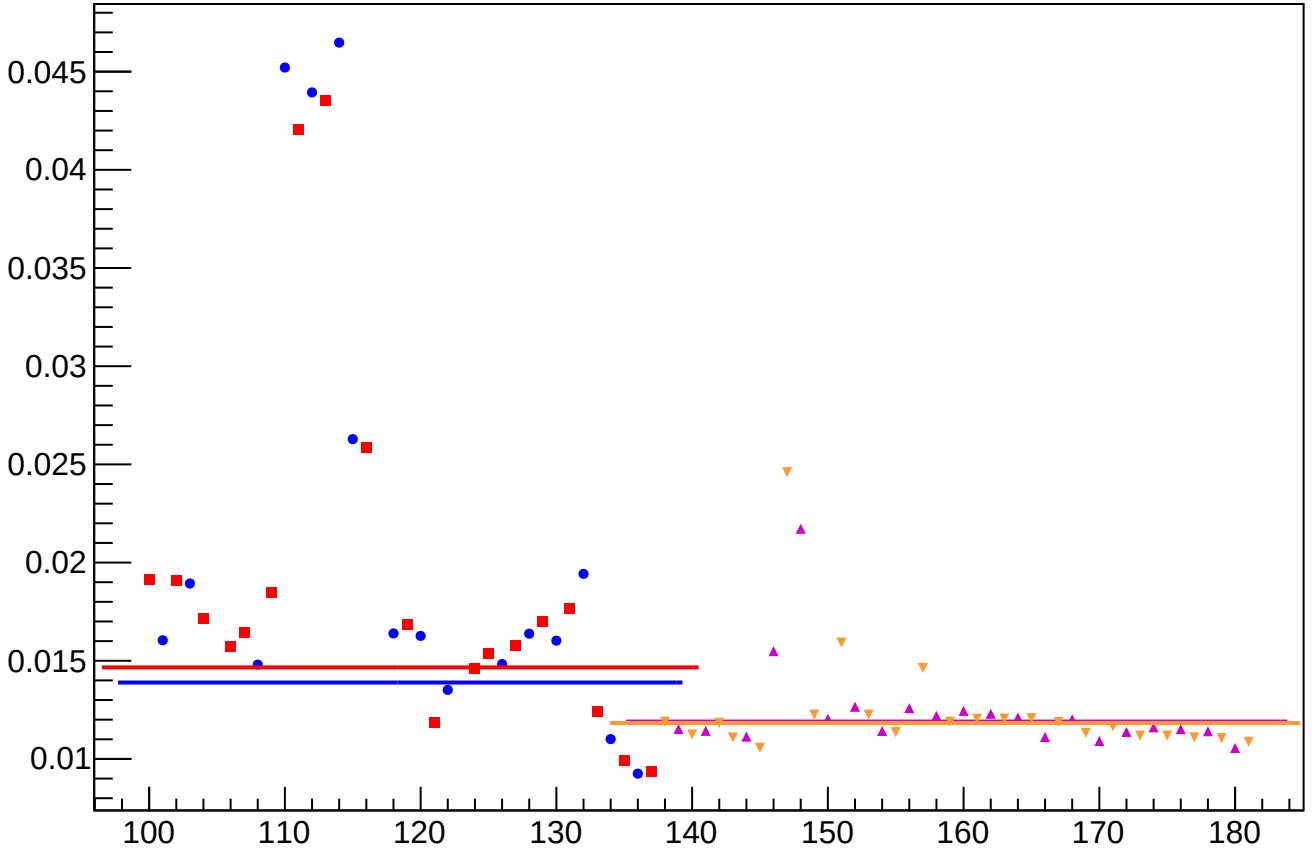
Left In: 0.614+/-0.000 χ^2/NDF:627343456.7/20

+ sign 0.672+/-0.000 χ^2/NDF: 4852957337.7/38

All: 0.674+/-0.000 χ^2/NDF: 10509815805.0/7

- sign 0.676+/-0.000 χ^2/NDF: 5655353025.3/39

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:671193.3/22

Right Out: 0.015+/-0.000 χ^2/NDF: 1467025.6/18

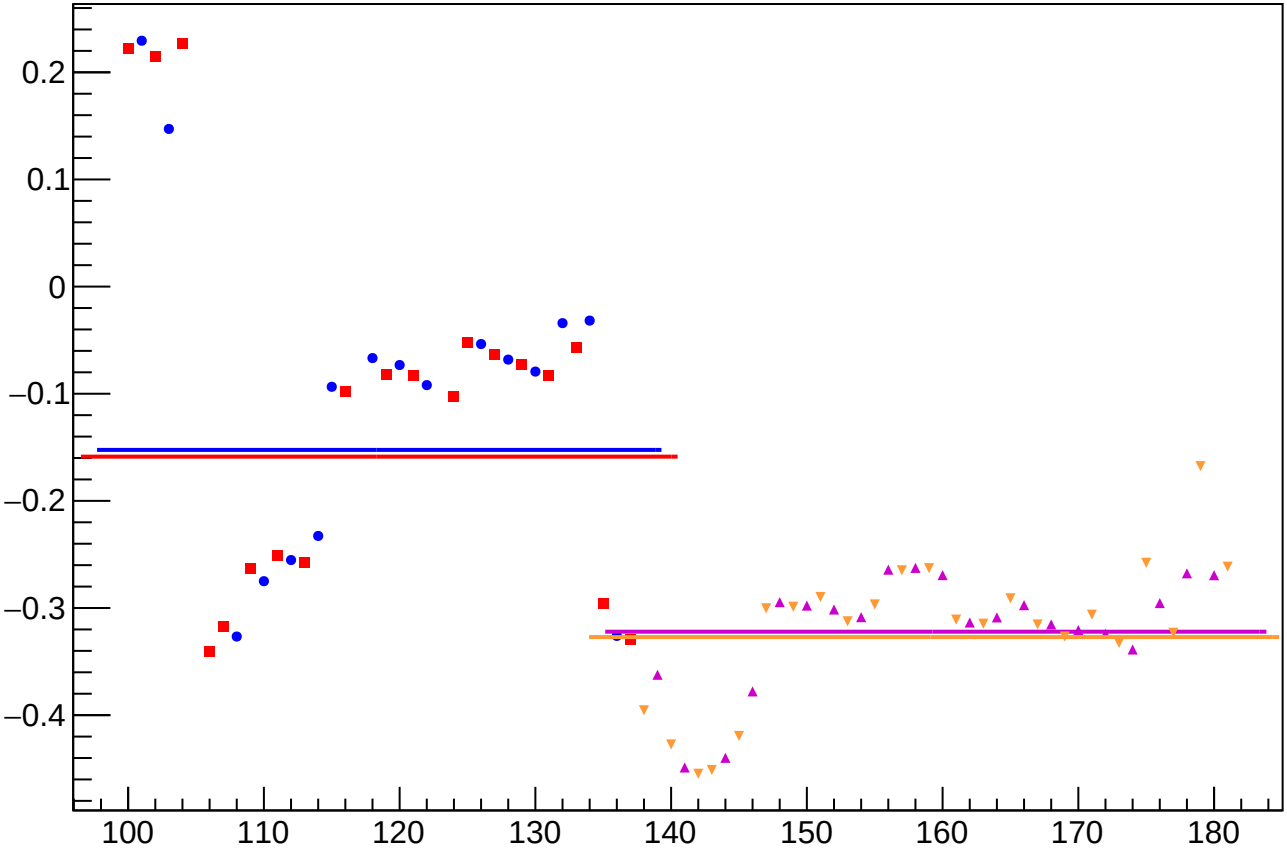
Left In: 0.012+/-0.000 χ^2/NDF:497136.8/20

+ sign 0.012+/-0.000 χ^2/NDF: 2527734.1/38

All: 0.012+/-0.000 χ^2/NDF: 4851074.0/78

- sign 0.012+/-0.000 χ^2/NDF: 2316354.0/39

yield_bpm4ecX_mean vs Slug



Right In: -0.152+/-0.000 χ^2/NDF: 274261842.6/15

Left Out: -0.327+/-0.000 χ^2/NDF:164089735.9/22

Right Out: -0.159+/-0.000 χ^2/NDF: 195614120.0/18

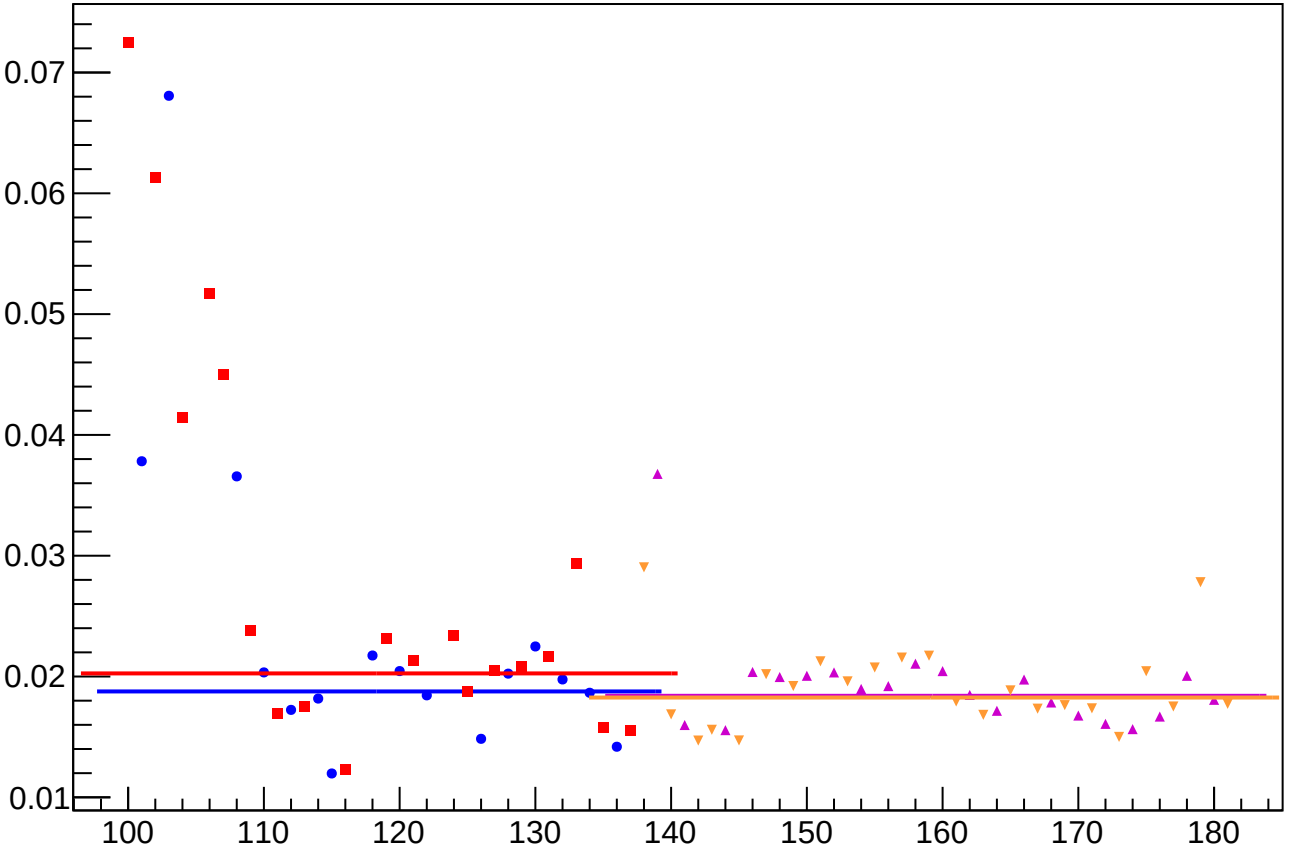
Left In: -0.322+/-0.000 χ^2/NDF:118661322.7/20

+ sign -0.282+/-0.000 χ^2/NDF: 778834074.5/38

All: -0.282+/-0.000 χ^2/NDF: 1360657065.9/7

- sign -0.282+/-0.000 χ^2/NDF: 581820934.3/39

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:684236.3/22

Right Out: 0.020+/-0.000 χ^2/NDF: 1529624.9/18

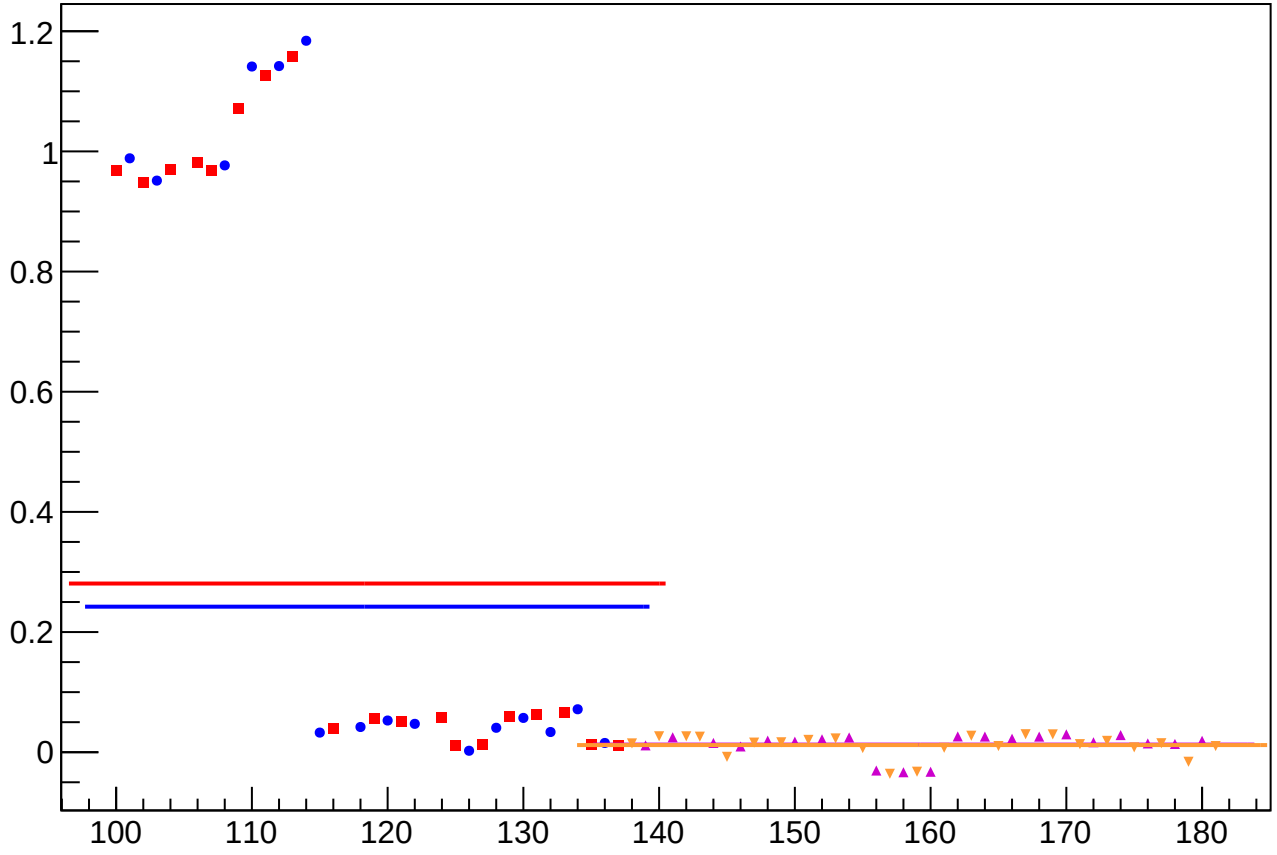
Left In: 0.018+/-0.000 χ^2/NDF:693534.3/20

+ sign 0.018+/-0.000 χ^2/NDF: 2039337.2/38

All: 0.019+/-0.000 χ^2/NDF: 4343691.9/78

- sign 0.019+/-0.000 χ^2/NDF: 2292048.6/39

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:46339868.2/22

Right Out: 0.281+/-0.000 χ^2/NDF: 6757631639.3/18

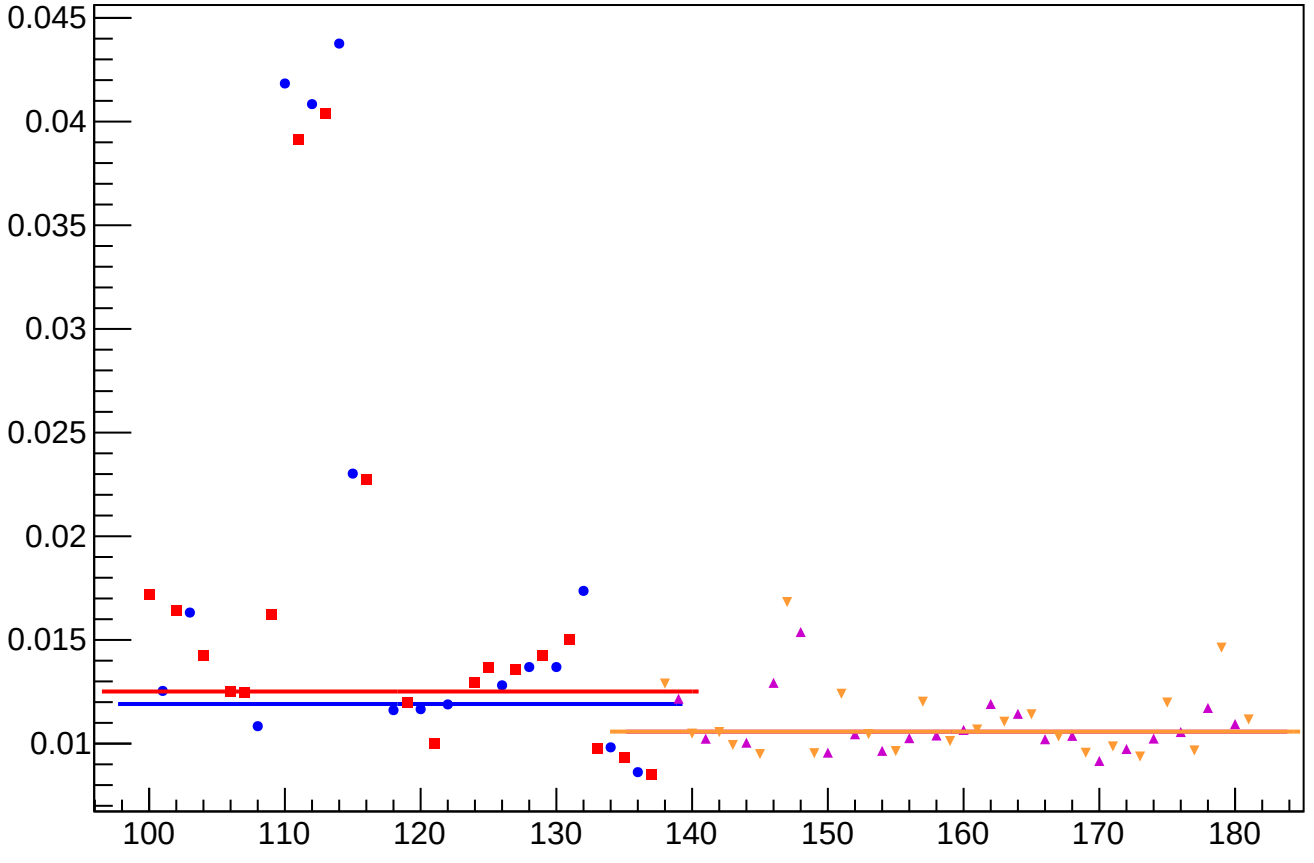
Left In: 0.013+/-0.000 χ^2/NDF:57906225.2/20

+ sign 0.062+/-0.000 χ^2/NDF: 8302038808.6/38

All: 0.066+/-0.000 χ^2/NDF: 17341307240.3/7

- sign 0.070+/-0.000 χ^2/NDF: 9033932904.4/39

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:555802.5/22

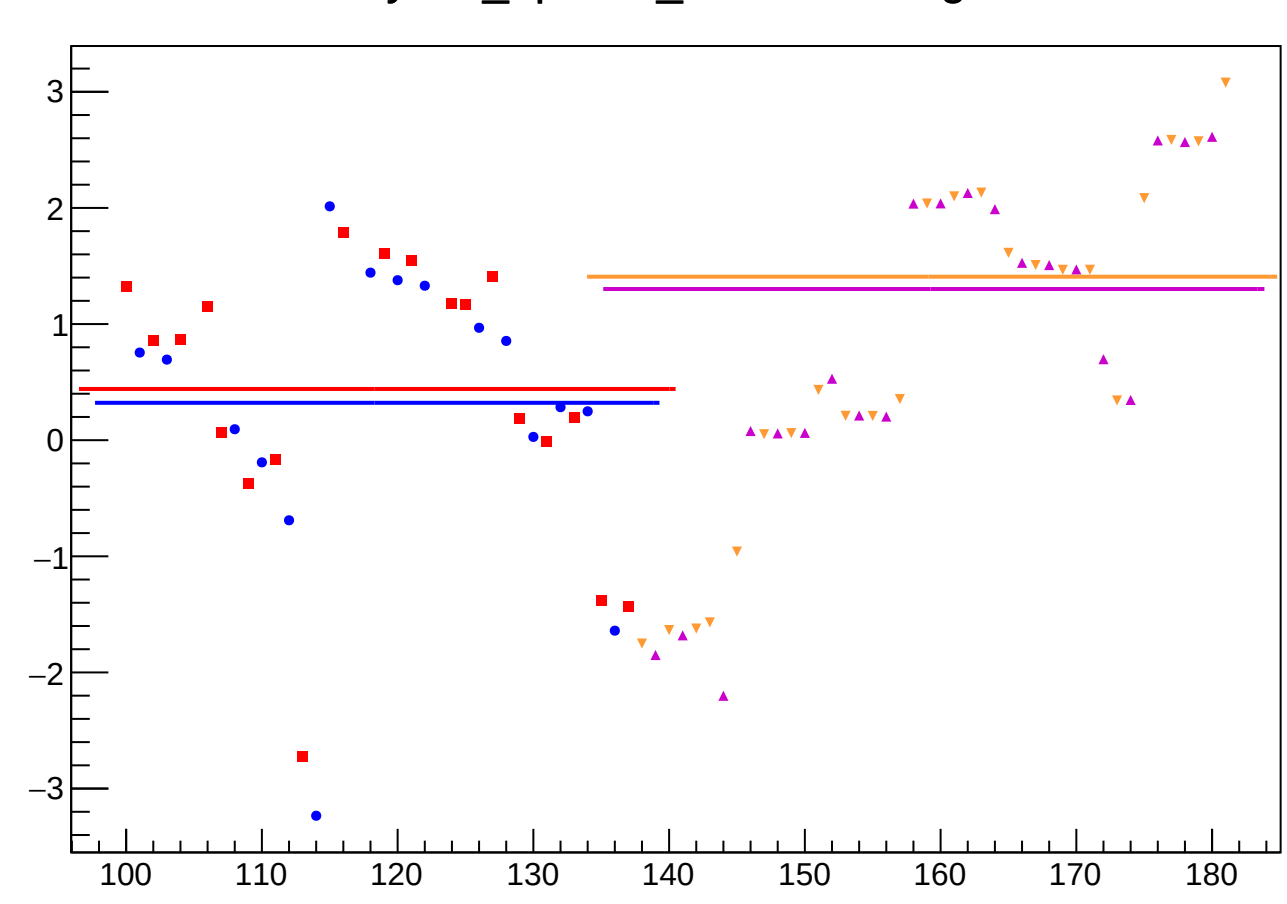
Right Out: 0.013+/-0.000 χ^2/NDF: 1392455.1/18

Left In: 0.011+/-0.000 χ^2/NDF:376593.7/20

+ sign 0.011+/-0.000 χ^2/NDF: 2131949.6/38

All: 0.011+/-0.000 χ^2/NDF: 4135574.7/78

- sign 0.011+/-0.000 χ^2/NDF: 2001077.5/39



Right In: 0.322+/-0.000 χ^2/NDF: 1664983742.5/15

Left Out: 1.408+/-0.000 χ^2/NDF:58161494742.5/22

Right Out: 0.441+/-0.000 χ^2/NDF: 1796703168.4/18

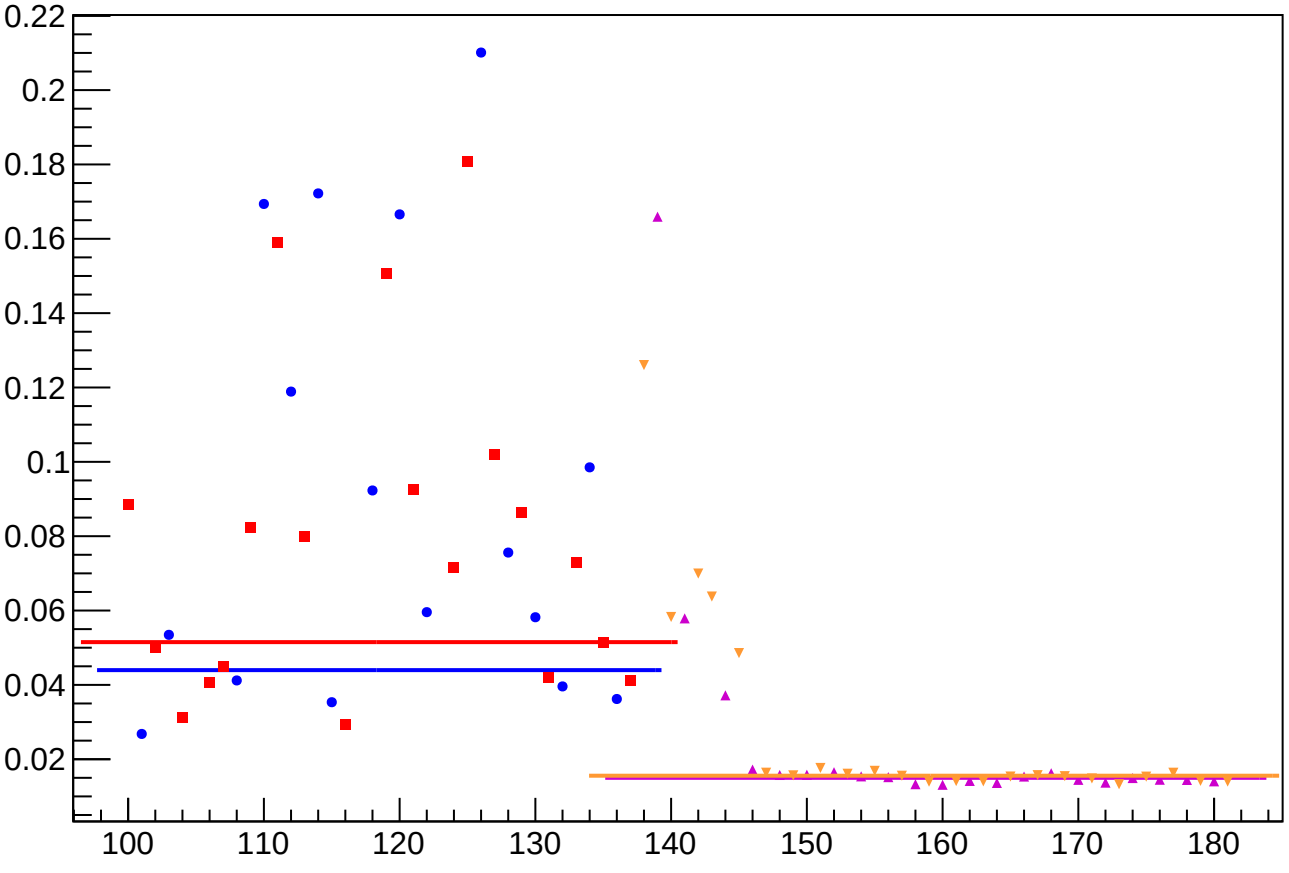
Left In: 1.302+/-0.000 χ^2/NDF:55786044795.1/20

+ sign 1.371+/-0.000 χ^2/NDF: 62087478801.0/38

All: 1.324+/-0.000 χ^2/NDF: 121110848765.7

- sign 1.278+/-0.000 χ^2/NDF: 58768281784.6/39

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:2982678.2/22

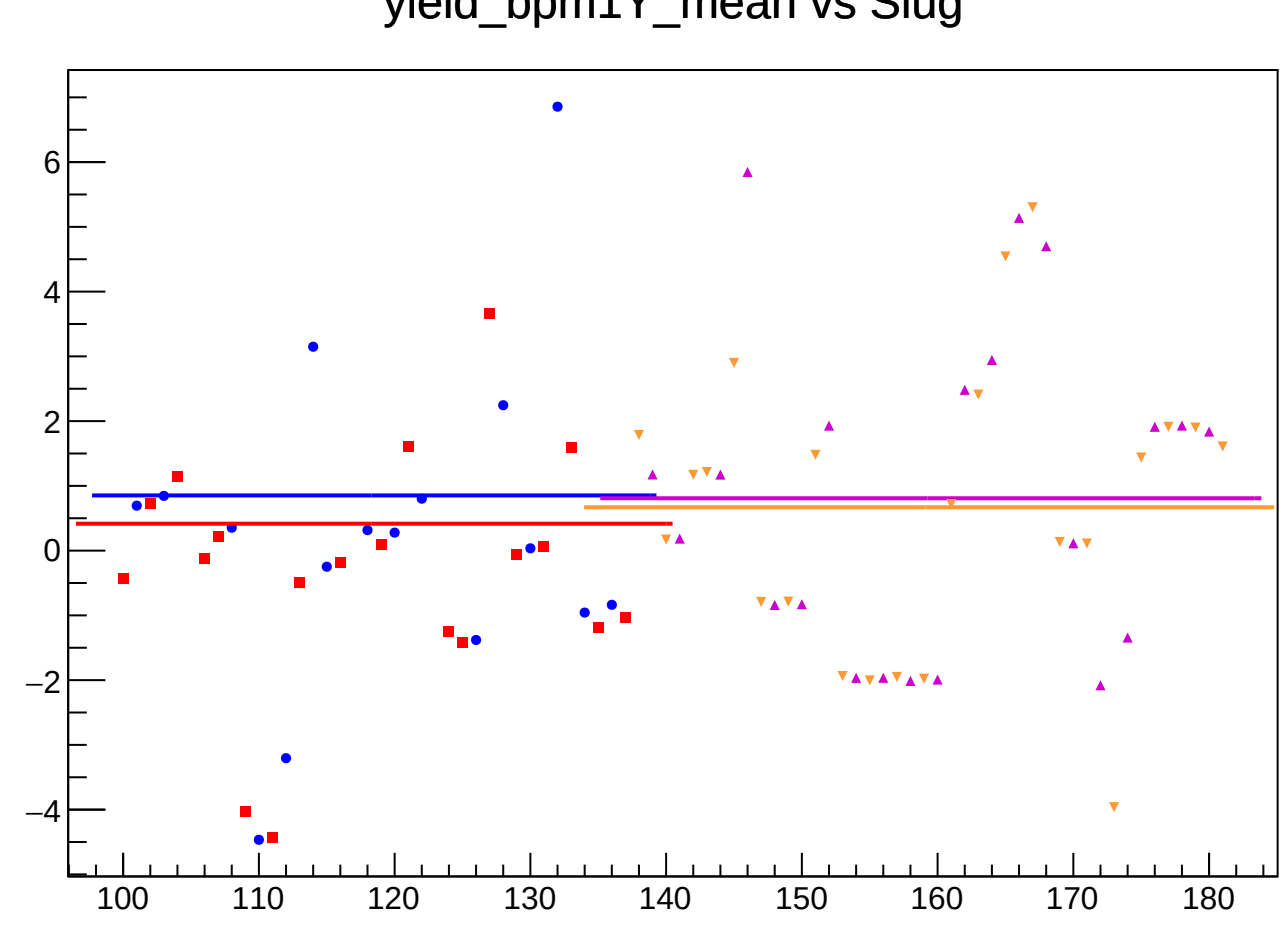
Right Out: 0.052+/-0.000 χ^2/NDF: 2367478.8/18

Left In: 0.015+/-0.000 χ^2/NDF:2181918.9/20

+ sign 0.017+/-0.000 χ^2/NDF: 8863575.6/38

All: 0.016+/-0.000 χ^2/NDF: 17693938.8/78

- sign 0.016+/-0.000 χ^2/NDF: 8814375.3/39



Right In: 0.852+/-0.000 χ^2/NDF: 11576037687.7/15

Left Out: 0.670+/-0.000 χ^2/NDF:530126115301.9/22

Right Out: 0.416+/-0.000 χ^2/NDF: 5121892038.7/18

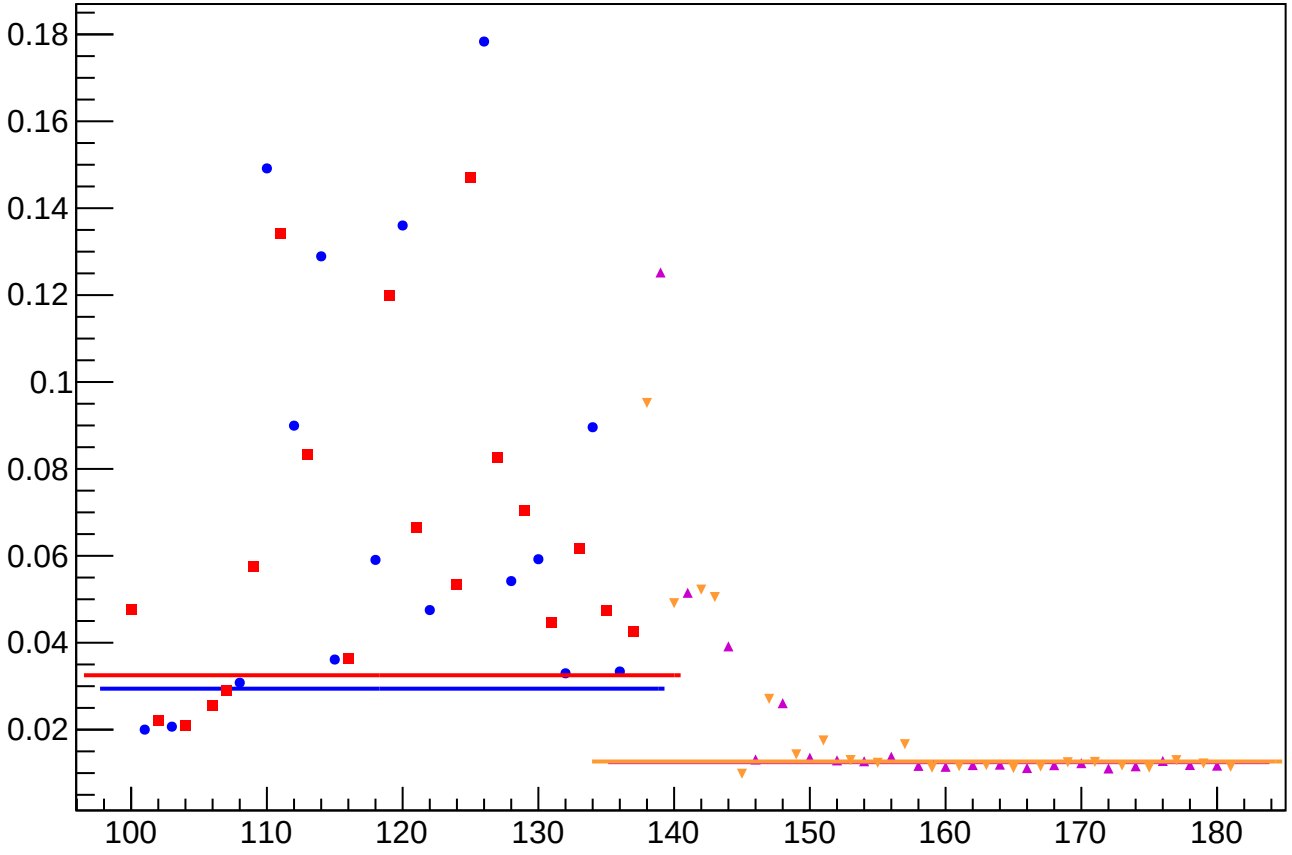
Left In: 0.809+/-0.000 χ^2/NDF:615352075890.6/20

+ sign 0.678+/-0.000 χ^2/NDF: 541838189277.6/38

All: 0.735+/-0.000 χ^2/NDF: 1163523073501.

- sign 0.793+/-0.000 χ^2/NDF: 621051540420.1/39

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:3185865.1/22

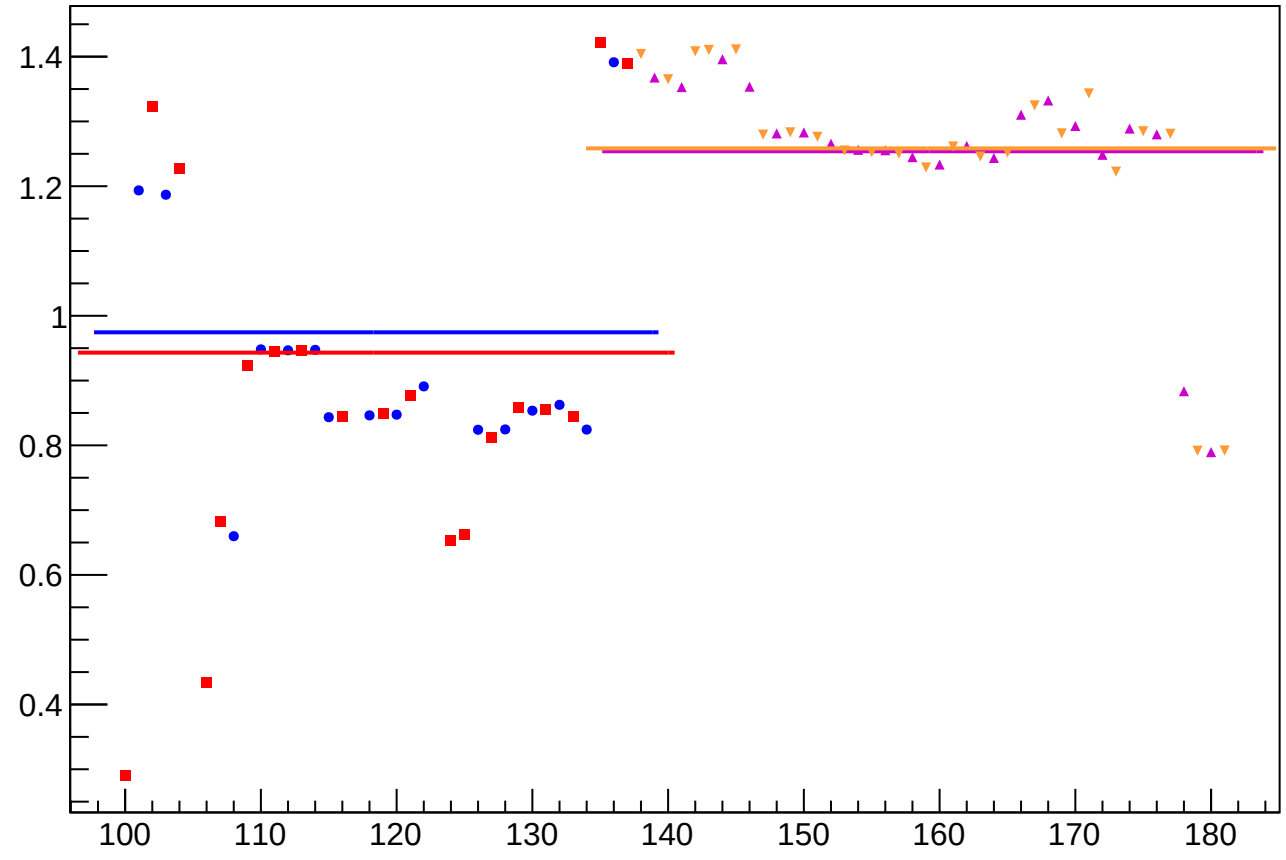
Right Out: 0.033+/-0.000 χ^2/NDF: 3315430.7/18

Left In: 0.013+/-0.000 χ^2/NDF:2748867.6/20

+ sign 0.013+/-0.000 χ^2/NDF: 8665911.1/38

All: 0.013+/-0.000 χ^2/NDF: 17724794.9/78

- sign 0.013+/-0.000 χ^2/NDF: 9058367.0/39



Right In: 0.974+/-0.000 χ^2/NDF: 1458735246.5/15

Left Out: 1.258+/-0.000 χ^2/NDF:2047705628.4/22

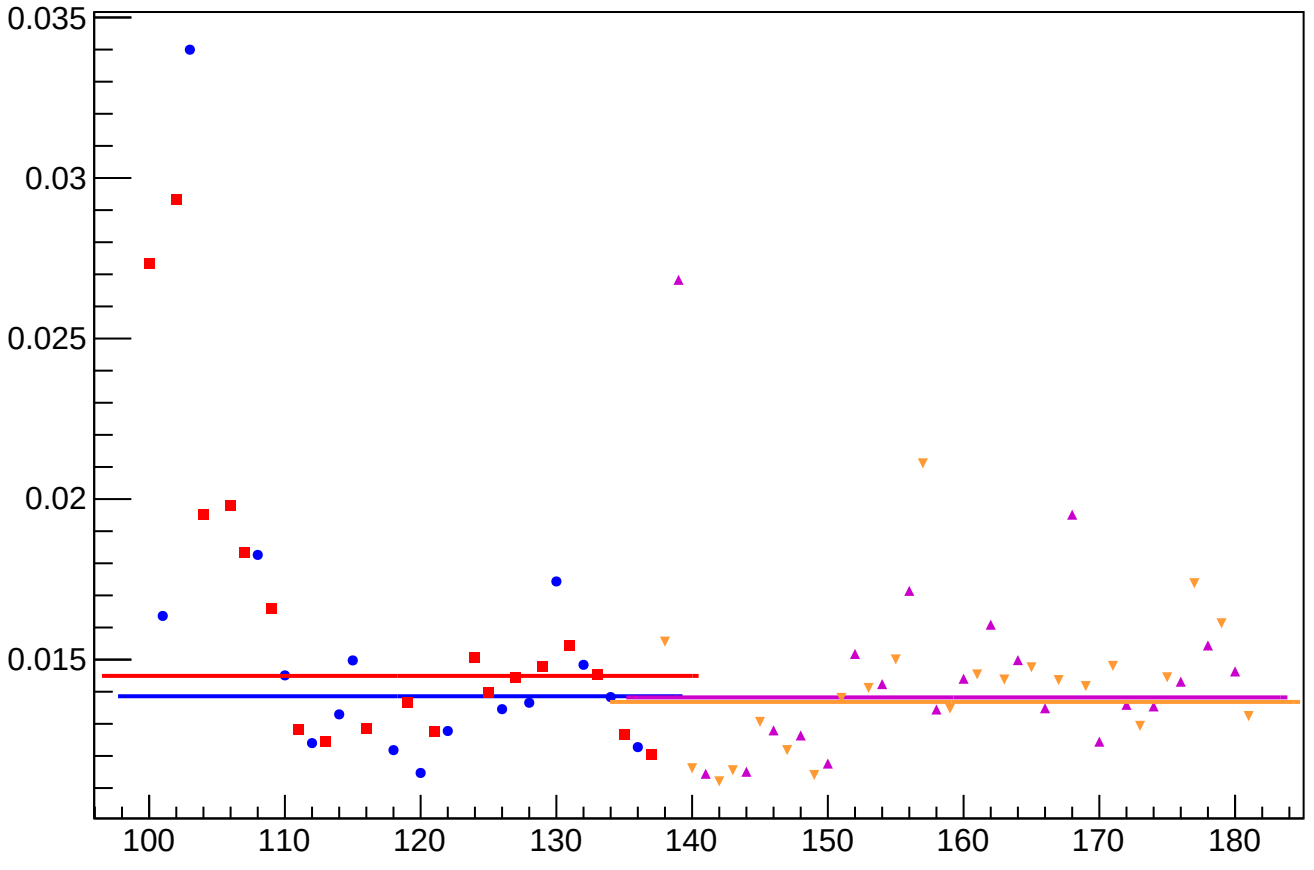
Right Out: 0.943+/-0.000 χ^2/NDF: 1670579900.3/18

Left In: 1.254+/-0.000 χ^2/NDF:1568467431.5/20

+ sign 1.180+/-0.000 χ^2/NDF: 5397939963.5/38

All: 1.174+/-0.000 χ^2/NDF: 10778416612.2/7

- sign 1.168+/-0.000 χ^2/NDF: 5371643843.5/39



Right In: 0.014+/-0.000 χ^2/NDF: 599979.5/15

Left Out: 0.014+/-0.000 χ^2/NDF:541749.9/22

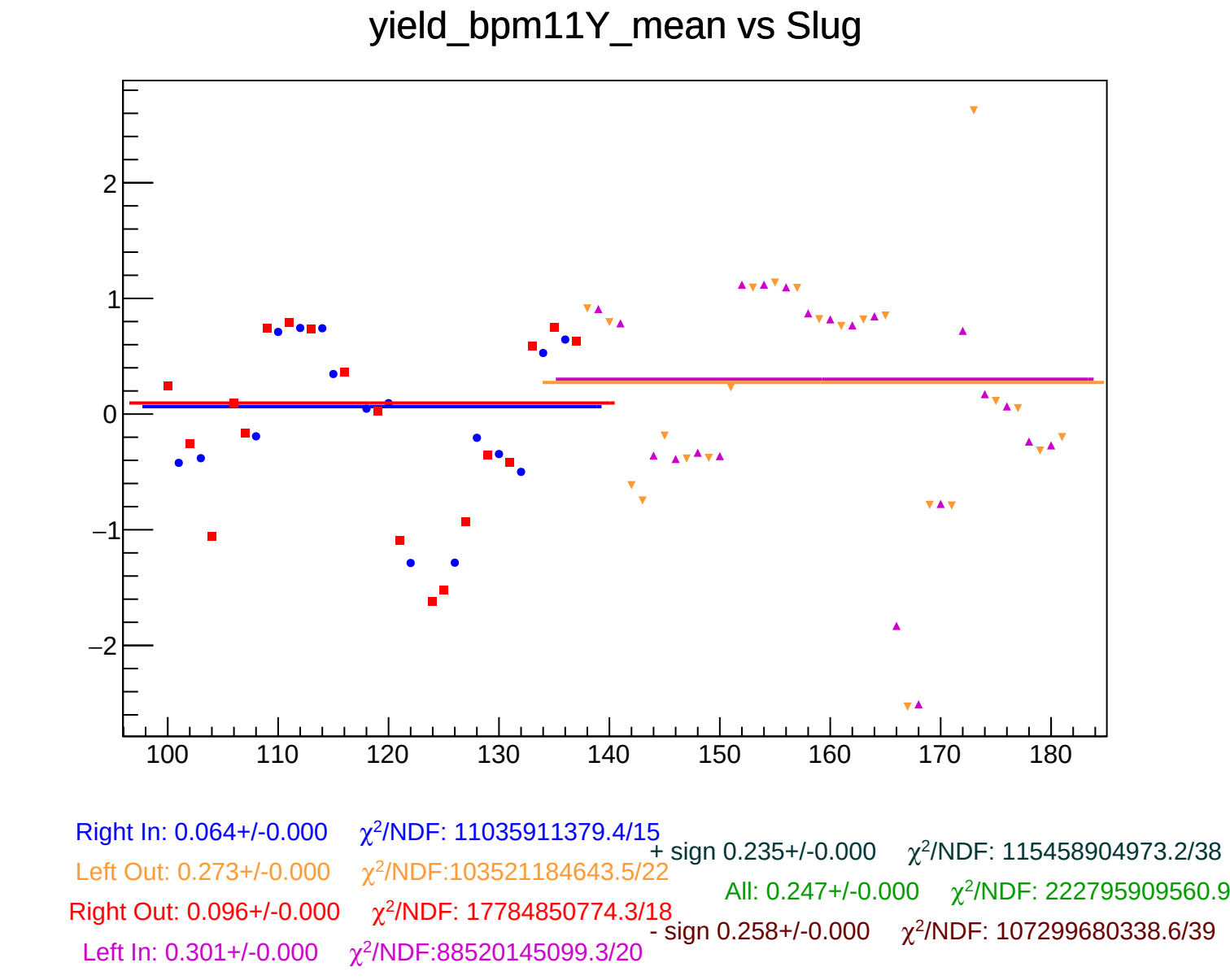
Right Out: 0.014+/-0.000 χ^2/NDF: 544337.7/18

Left In: 0.014+/-0.000 χ^2/NDF:867831.1/20

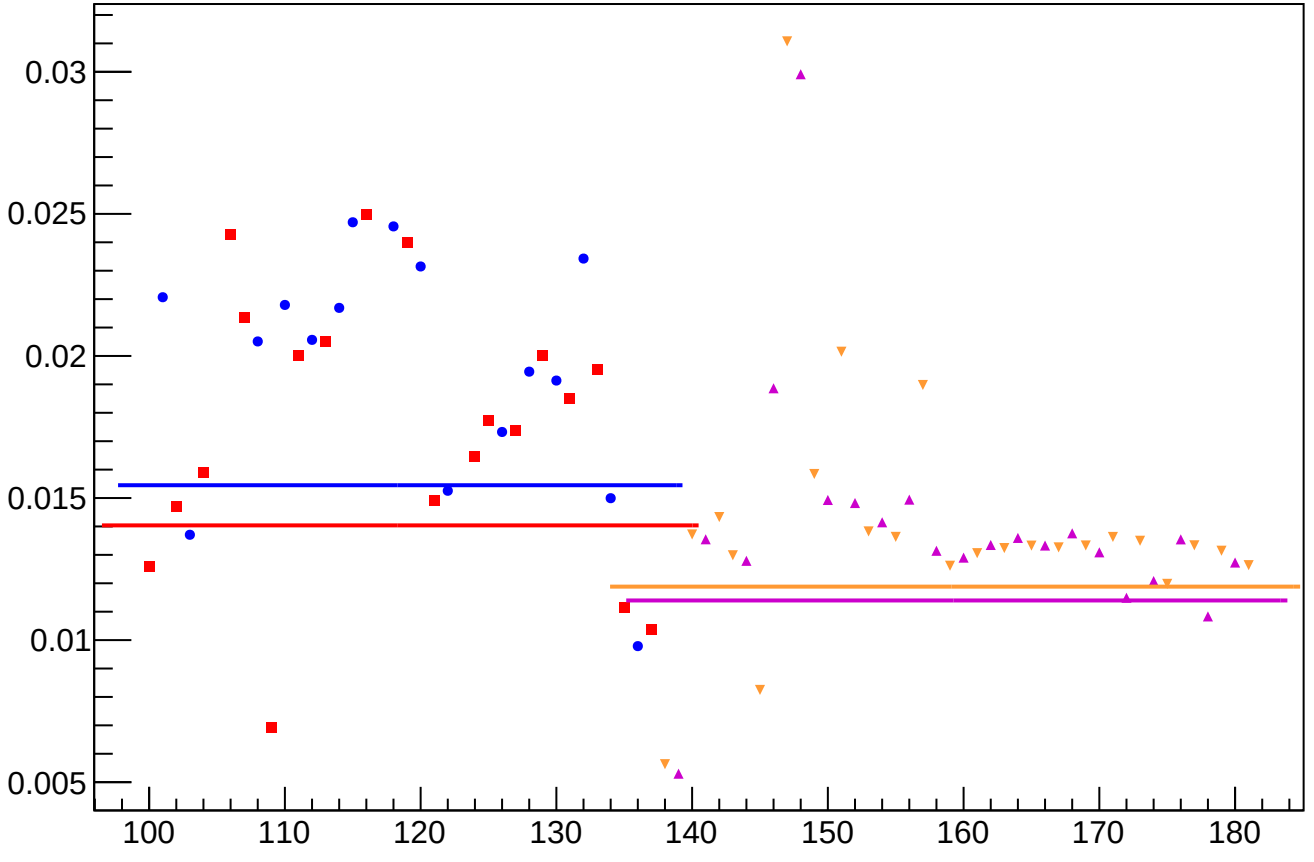
+ sign 0.014+/-0.000 χ^2/NDF: 1143187.3/38

All: 0.014+/-0.000 χ^2/NDF: 2583912.0/78

- sign 0.014+/-0.000 χ^2/NDF: 1431932.3/39


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: 0.273+/-0.000 χ²/NDF:103521184643.5/22
Right Out: 0.096+/-0.000 χ²/NDF: 17784850774.3/18
Left In: 0.301+/-0.000 χ²/NDF:88520145099.3/20
+ sign 0.235+/-0.000 χ²/NDF: 115458904973.2/38
All: 0.247+/-0.000 χ²/NDF: 222795909560.9
- sign 0.258+/-0.000 χ²/NDF: 107299680338.6/39

yield_bpm11Y_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF: 1293711.1/15

Left Out: 0.012+/-0.000 χ^2/NDF:3244788.6/22

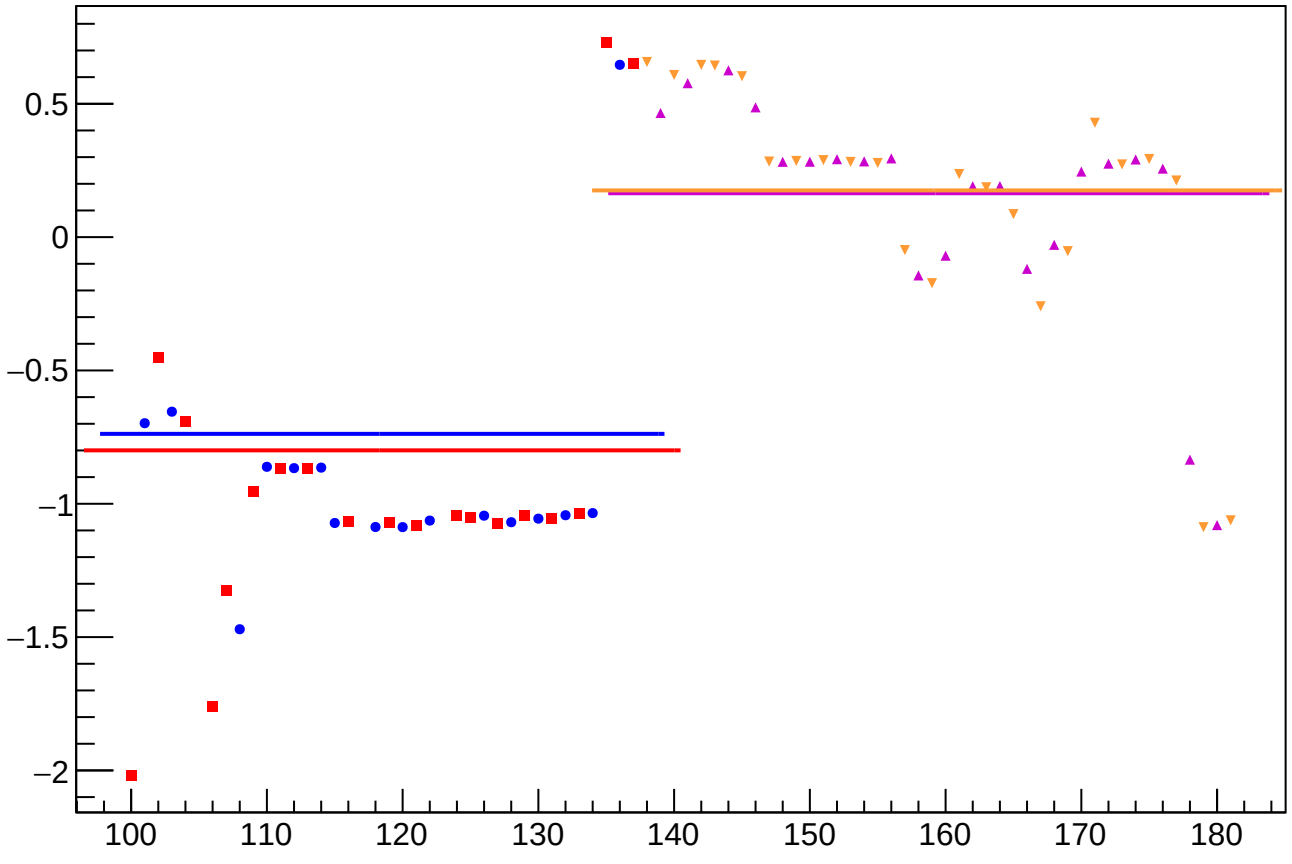
Right Out: 0.014+/-0.000 χ^2/NDF: 1686554.4/18

Left In: 0.011+/-0.000 χ^2/NDF:3633412.1/20

+ sign 0.013+/-0.000 χ^2/NDF: 5061810.7/38

All: 0.012+/-0.000 χ^2/NDF: 10758526.1/78

- sign 0.012+/-0.000 χ^2/NDF: 5648881.5/39



Right In: -0.738+/-0.000 χ^2/NDF: 2072845802.4/15

Left Out: 0.175+/-0.000 χ^2/NDF:2642367133.7/22

Right Out: -0.800+/-0.000 χ^2/NDF: 1883862445.0/18

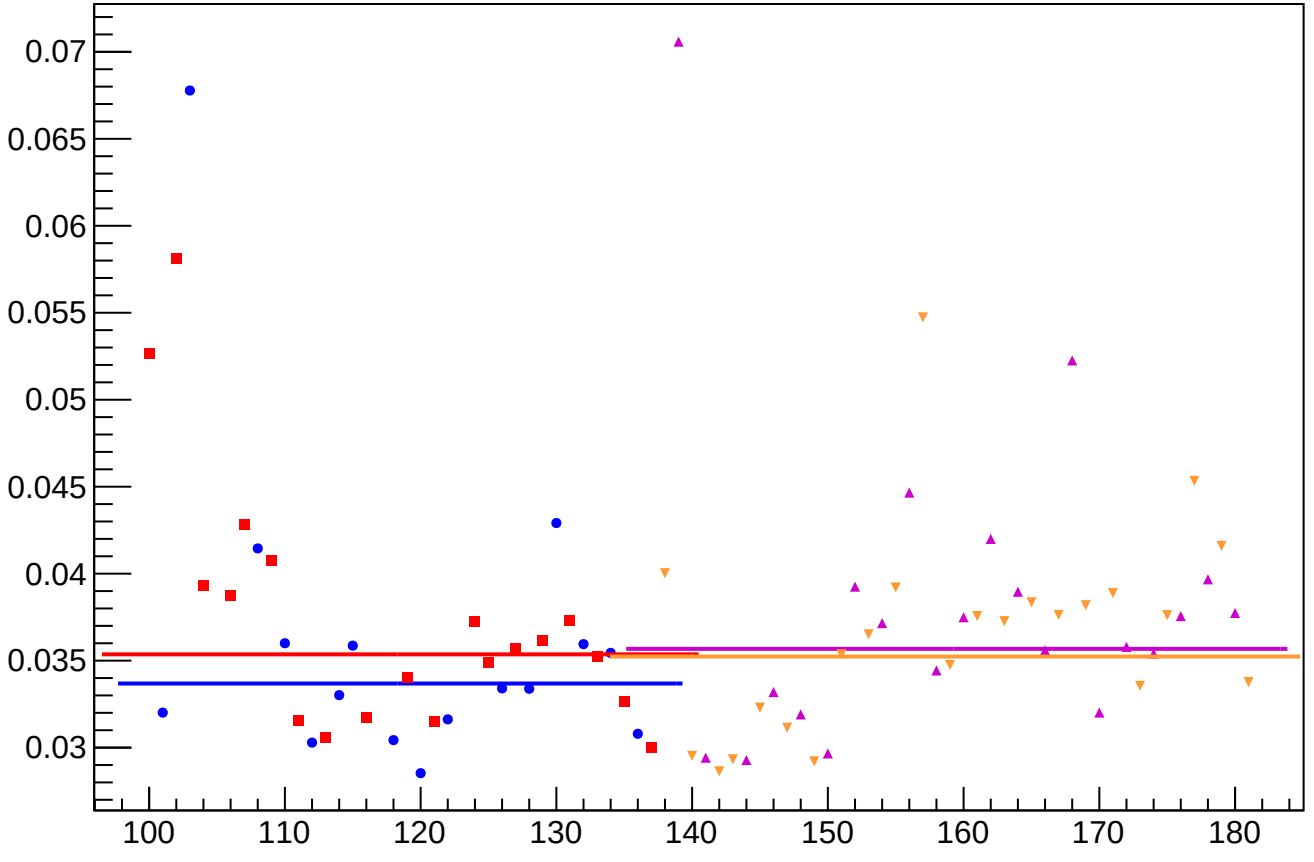
Left In: 0.165+/-0.000 χ^2/NDF:2025584928.2/20

+ sign -0.102+/-0.000 χ^2/NDF: 7941048812.6/38

All: -0.115+/-0.000 χ^2/NDF: 15204797811.4/

- sign -0.128+/-0.000 χ^2/NDF: 7257516322.5/39

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:606278.3/22

Right Out: 0.035+/-0.000 χ^2/NDF: 296353.9/18

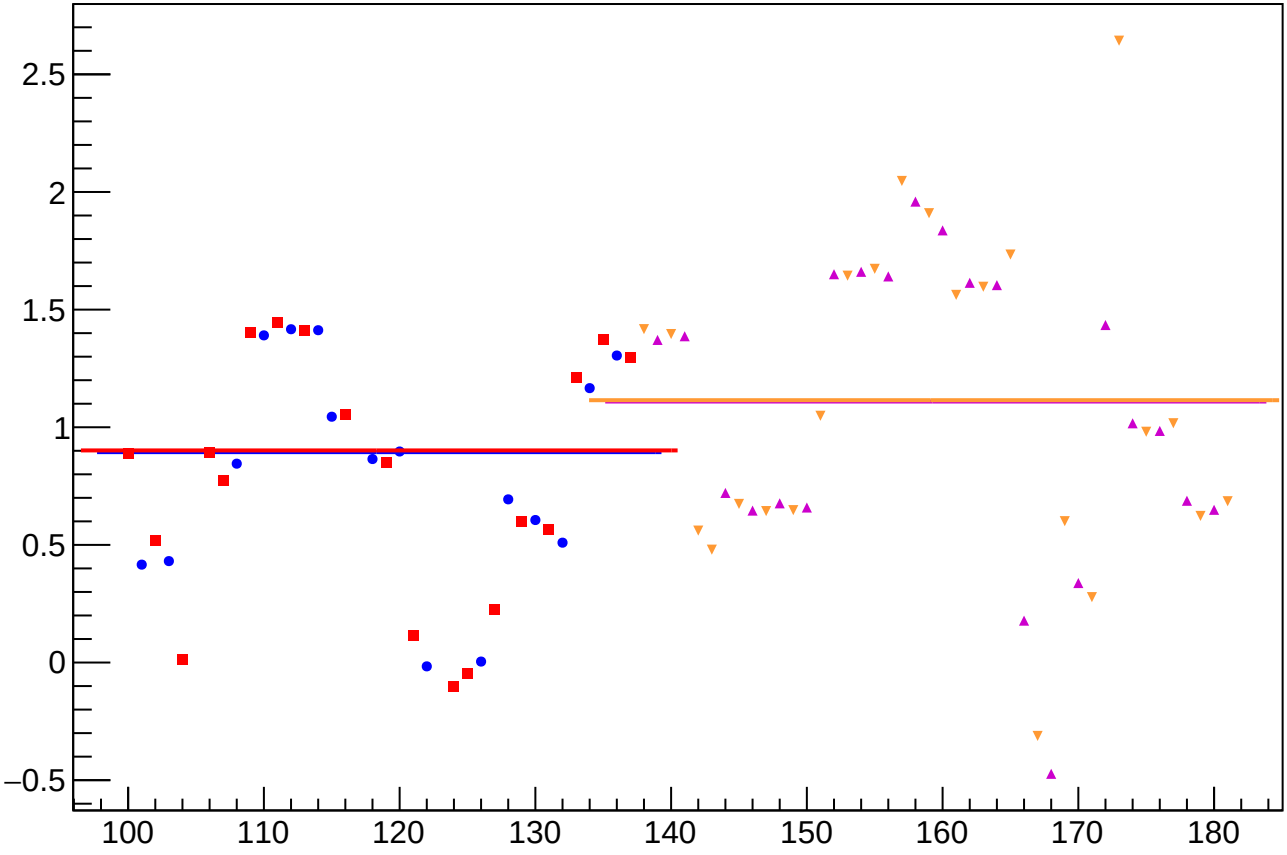
Left In: 0.036+/-0.000 χ^2/NDF:955103.5/20

+ sign 0.035+/-0.000 χ^2/NDF: 1045093.8/38

All: 0.035+/-0.000 χ^2/NDF: 2309062.7/78

- sign 0.036+/-0.000 χ^2/NDF: 1252177.5/39

yield_bpm12Y_mean vs Slug



Right In: 0.894+/-0.000 χ^2/NDF: 12749707787.6/15

Left Out: 1.115+/-0.000 χ^2/NDF:91199979017.8/22

Right Out: 0.902+/-0.000 χ^2/NDF: 17893051843.7/18

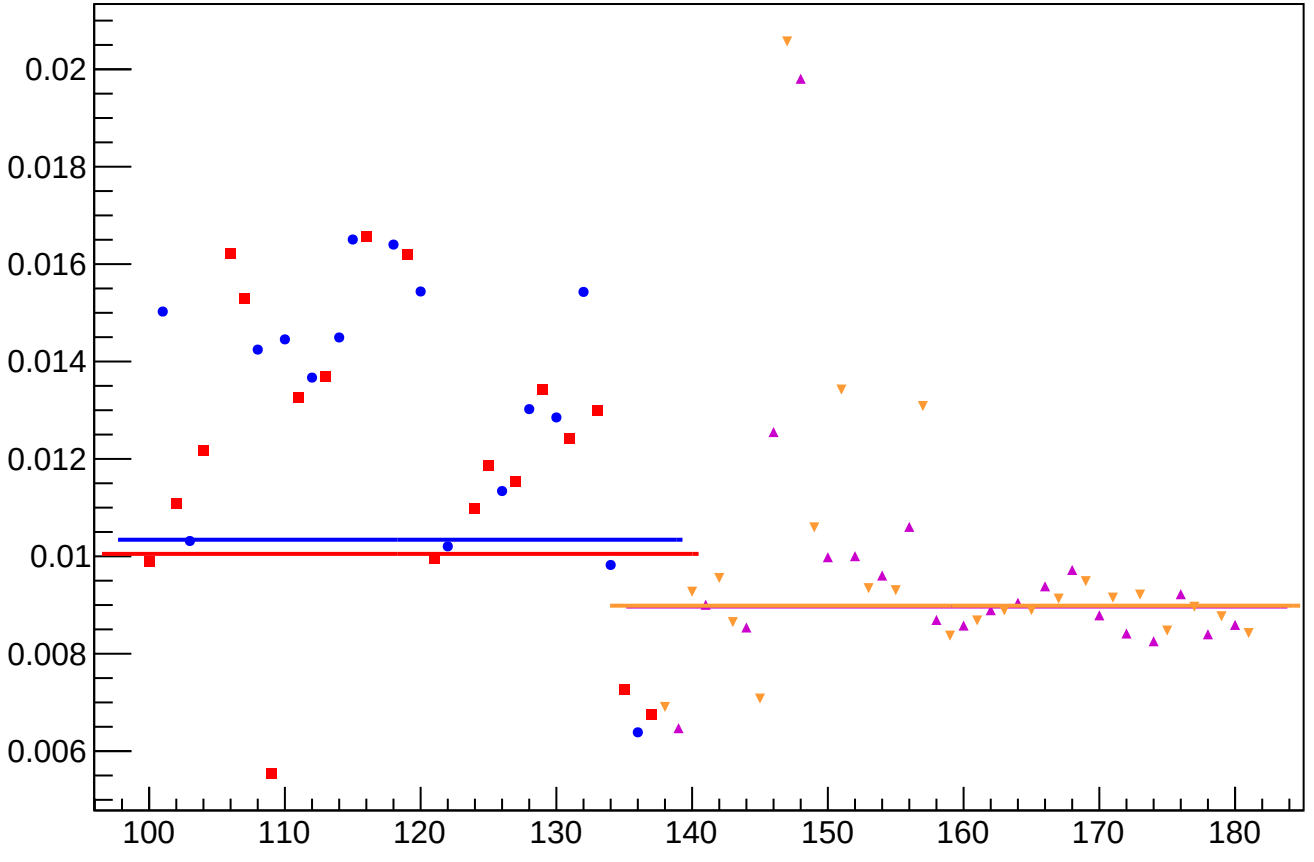
Left In: 1.109+/-0.000 χ^2/NDF:71281564505.8/20

+ sign 1.069+/-0.000 χ^2/NDF: 106097936673.9/38

All: 1.065+/-0.000 χ^2/NDF: 197276731052.7

- sign 1.061+/-0.000 χ^2/NDF: 91170427342.6/39

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:1144831.8/22

Right Out: 0.010+/-0.000 χ^2/NDF: 1336866.7/18

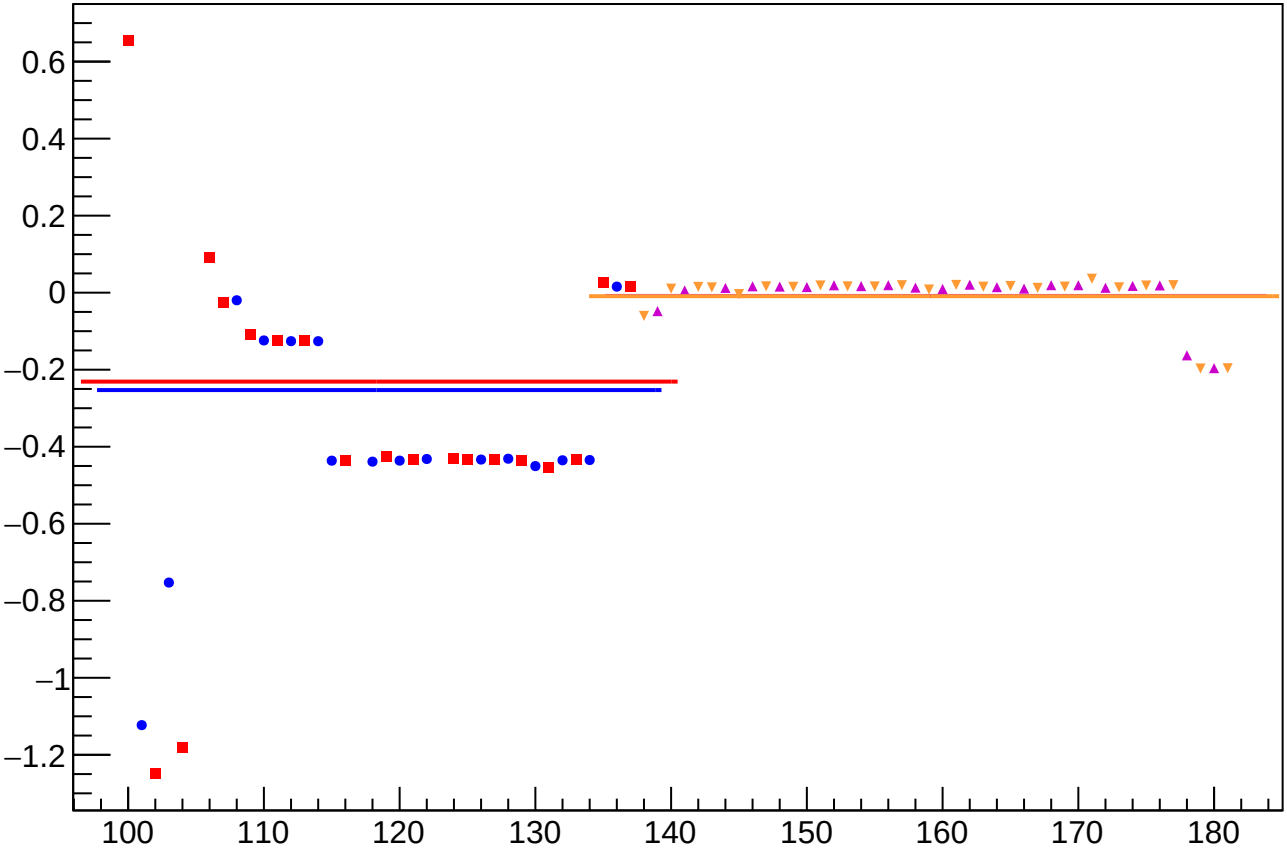
Left In: 0.009+/-0.000 χ^2/NDF:964138.0/20

+ sign 0.009+/-0.000 χ^2/NDF: 2657121.8/38

All: 0.009+/-0.000 χ^2/NDF: 5066816.5/78

- sign 0.009+/-0.000 χ^2/NDF: 2409080.4/39

yield_bpm16X_mean vs Slug



Right In: -0.253+/-0.000 χ^2/NDF: 2025242410.1/15

Left Out: -0.009+/-0.000 χ^2/NDF:745580254.7/22

Right Out: -0.231+/-0.000 χ^2/NDF: 1808702536.0/18

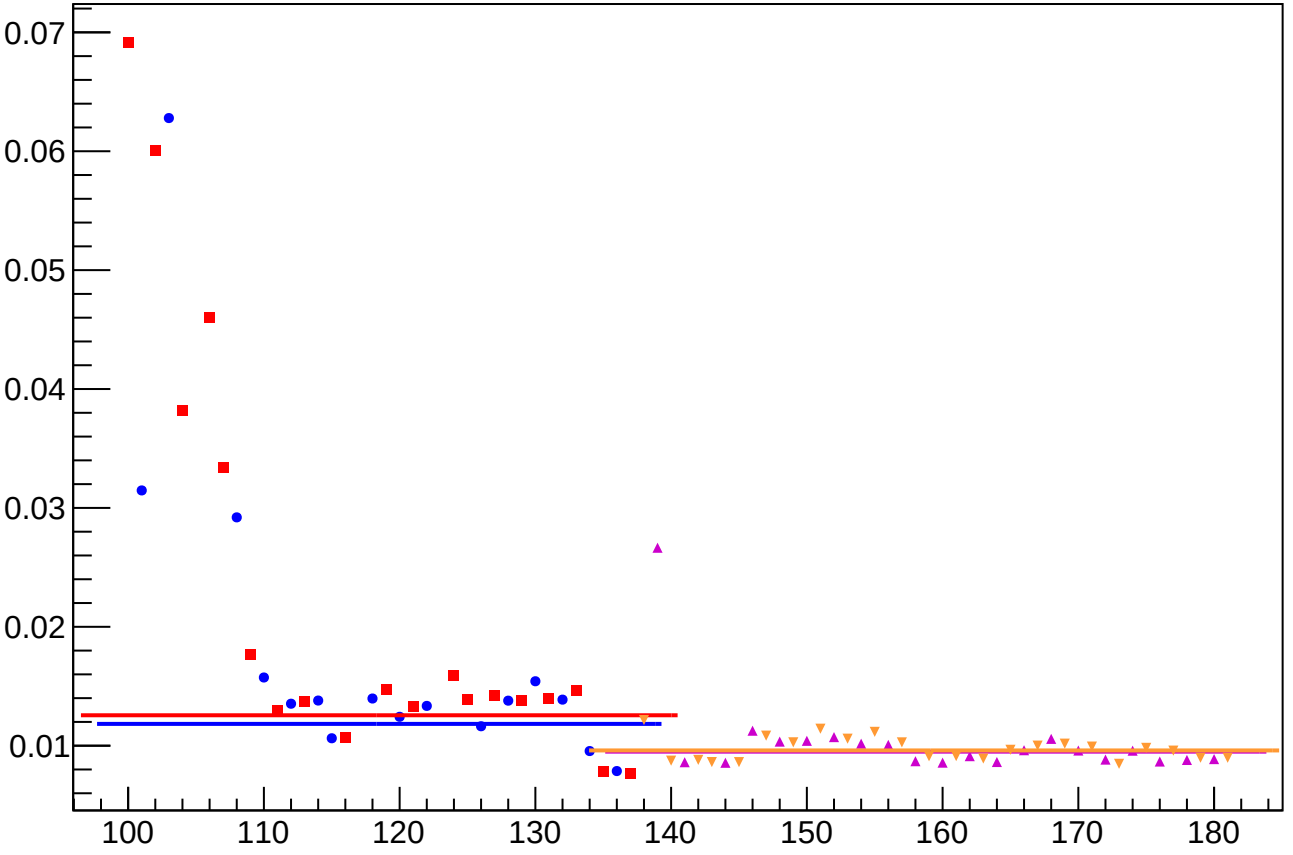
Left In: -0.009+/-0.000 χ^2/NDF:641445529.7/20

+ sign -0.052+/-0.000 χ^2/NDF: 4511614978.3/38

All: -0.049+/-0.000 χ^2/NDF: 8273921173.9/7

- sign -0.046+/-0.000 χ^2/NDF: 3758607252.7/39

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:269830.3/22

Right Out: 0.013+/-0.000 χ^2/NDF: 2217419.3/18

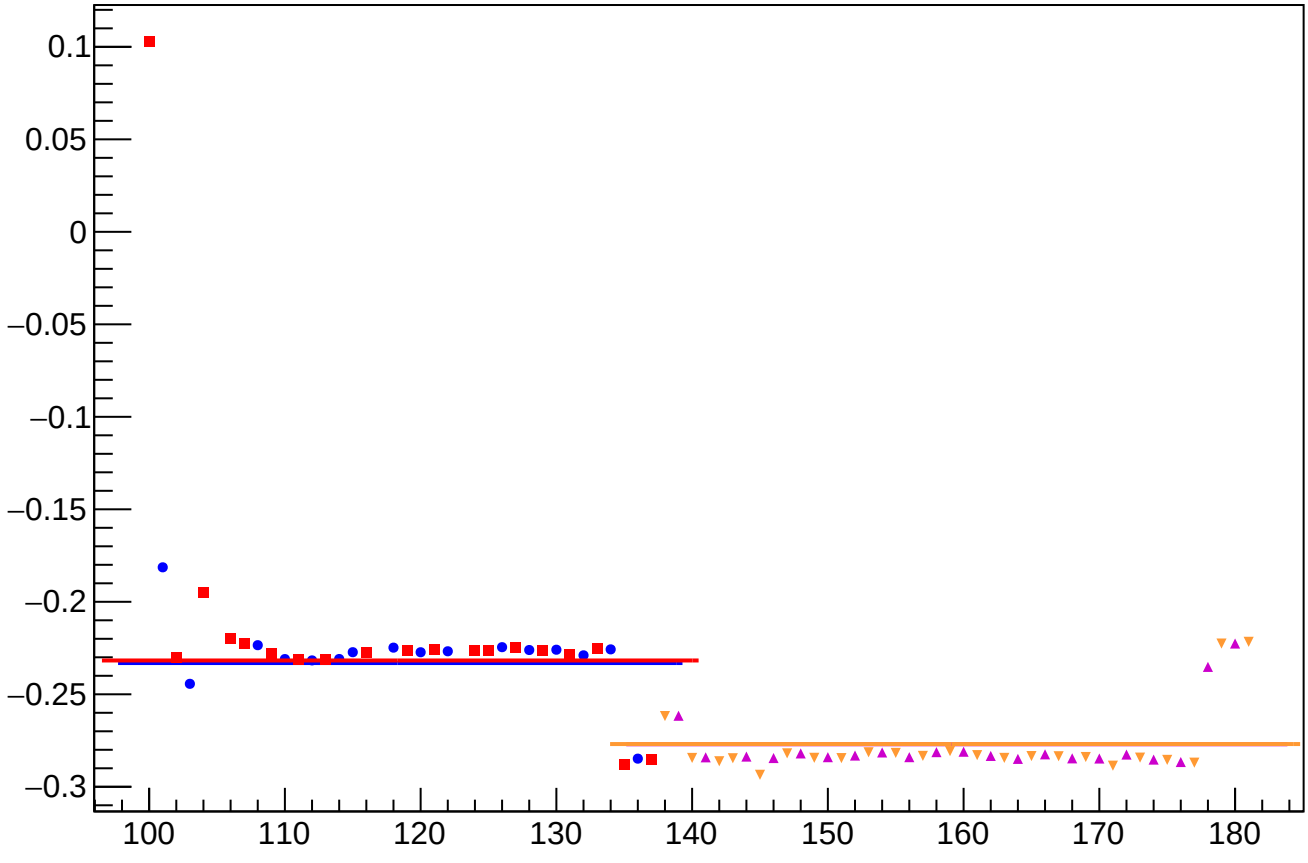
Left In: 0.009+/-0.000 χ^2/NDF:900431.9/20

+ sign 0.010+/-0.000 χ^2/NDF: 2504531.3/38

All: 0.010+/-0.000 χ^2/NDF: 6117967.7/78

- sign 0.010+/-0.000 χ^2/NDF: 3613368.6/39

yield_bpm16Y_mean vs Slug



Right In: -0.233+/-0.000 χ^2/NDF: 199059878.3/15

Left Out: -0.277+/-0.000 χ^2/NDF:279740537.9/22

Right Out: -0.232+/-0.000 χ^2/NDF: 287244778.7/18

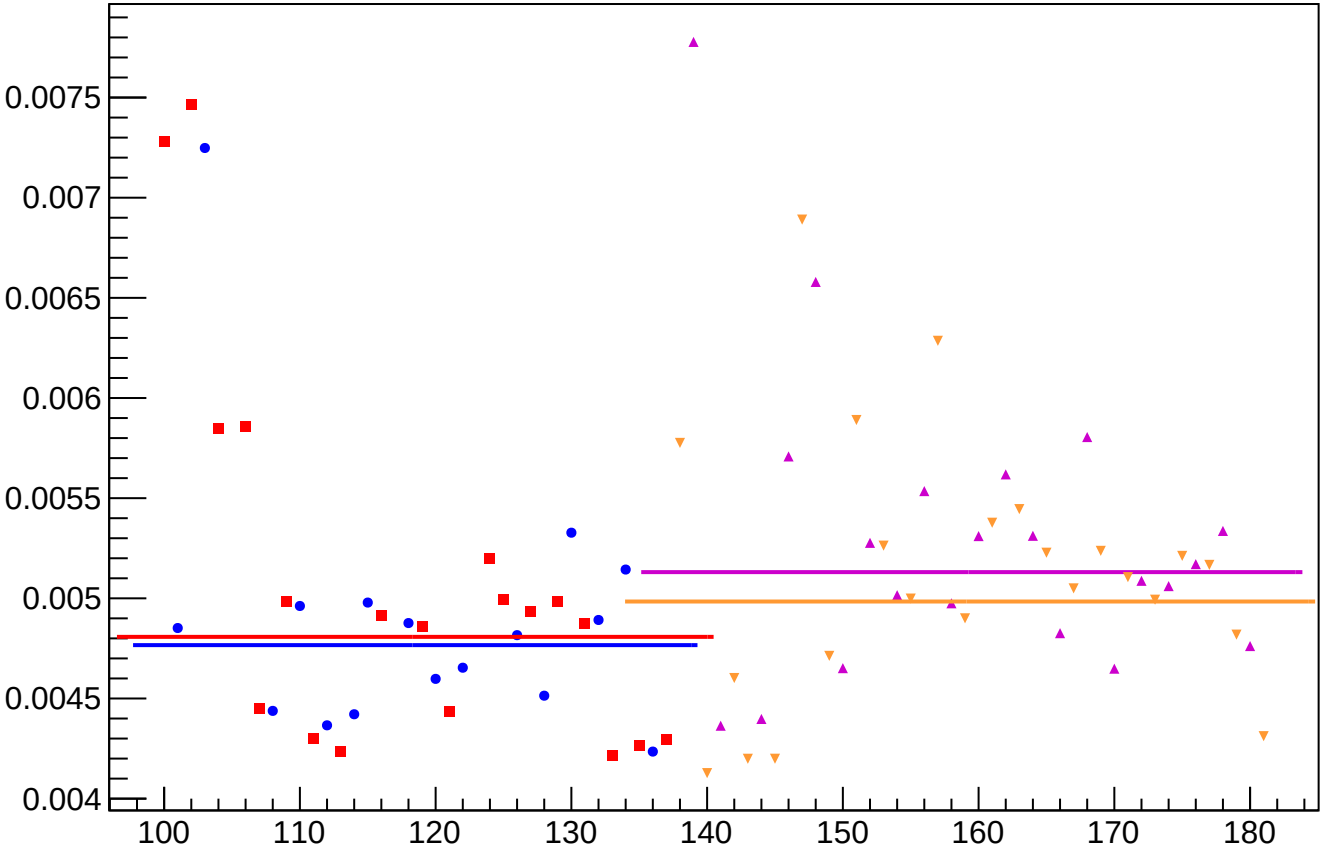
Left In: -0.277+/-0.000 χ^2/NDF:190010075.4/20

+ sign -0.264+/-0.000 χ^2/NDF: 863727832.3/38

All: -0.263+/-0.000 χ^2/NDF: 1746479505.5/7

- sign -0.262+/-0.000 χ^2/NDF: 881483626.0/39

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:504740.5/22

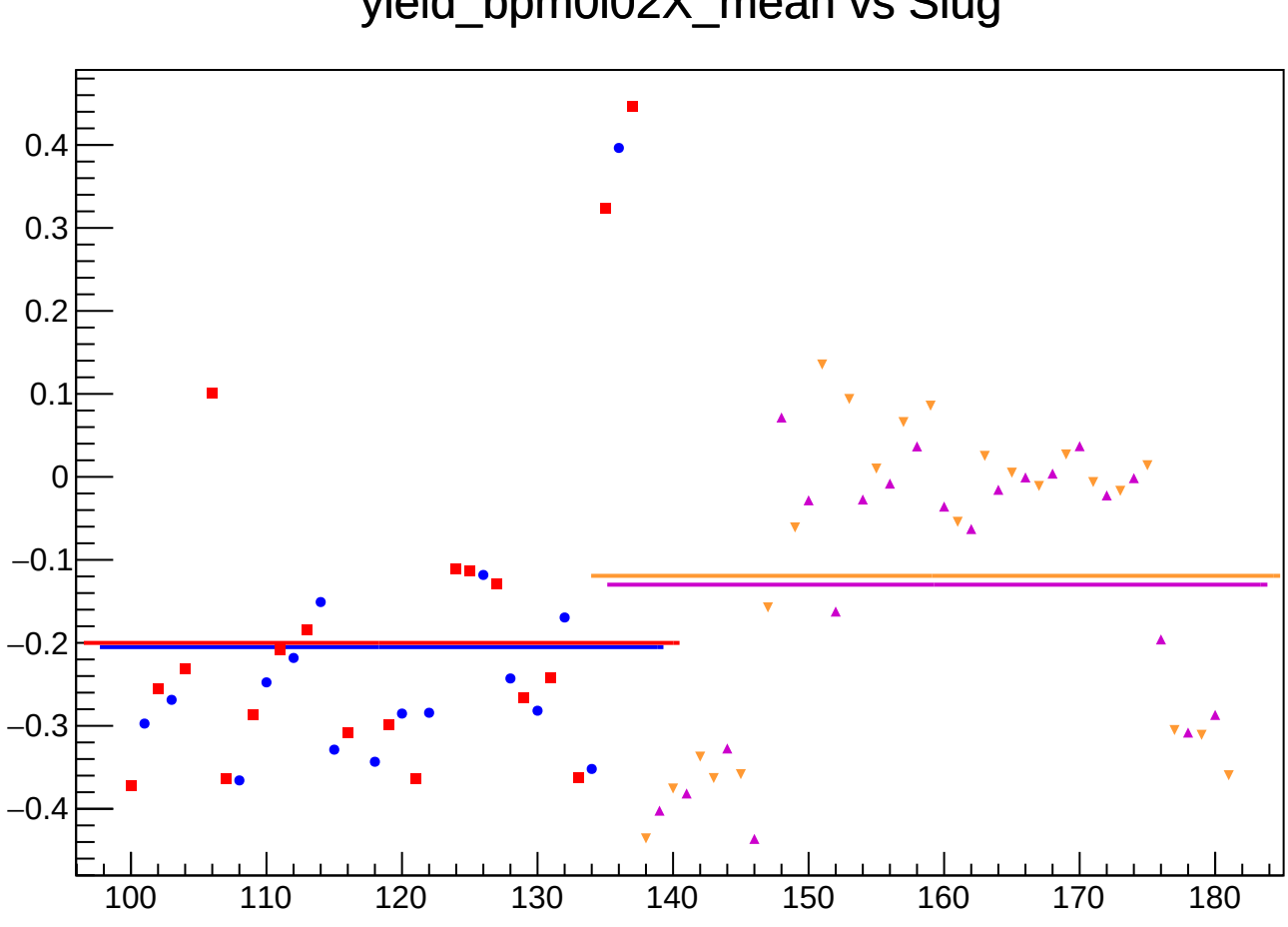
Right Out: 0.005+/-0.000 χ^2/NDF: 293738.0/18

Left In: 0.005+/-0.000 χ^2/NDF:477074.1/20

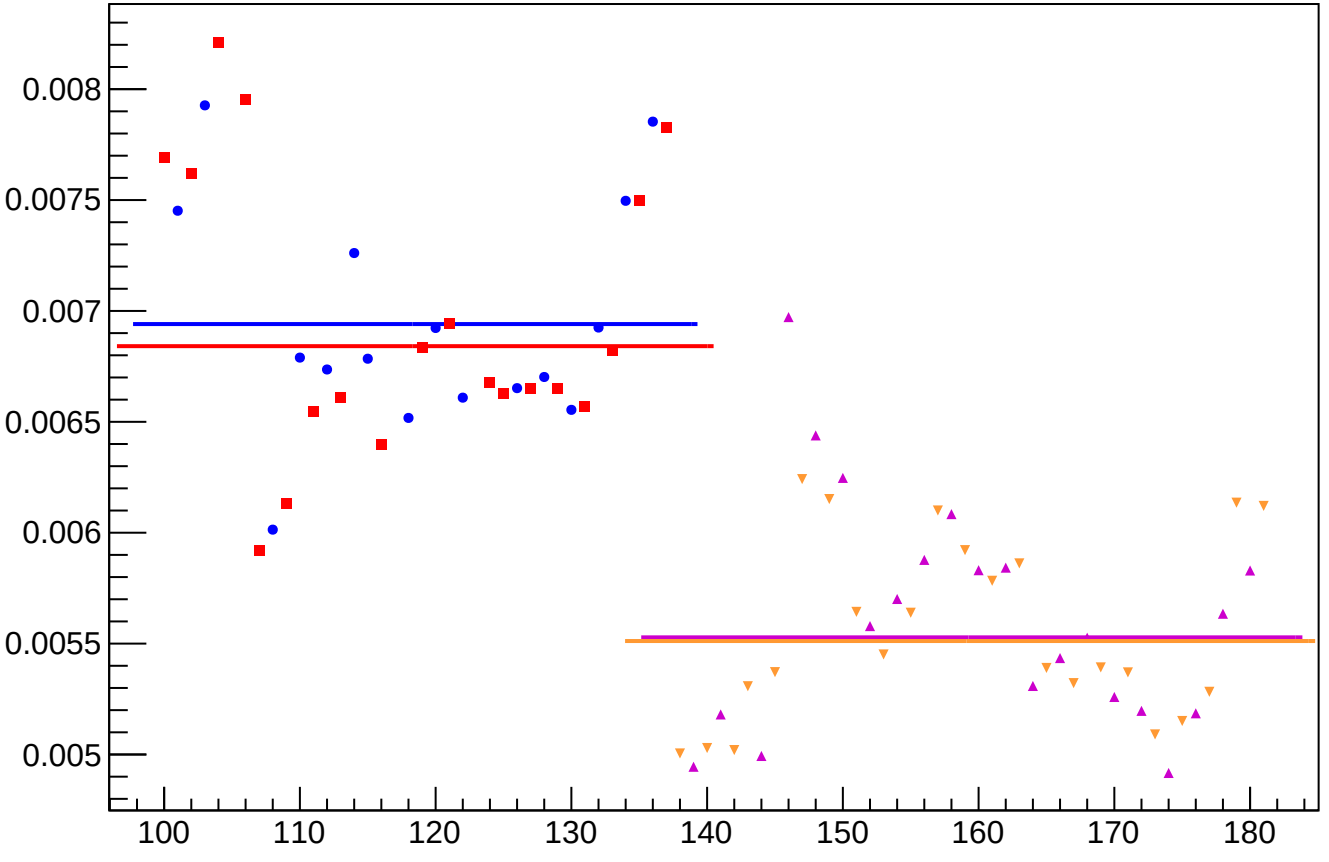
+ sign 0.005+/-0.000 χ^2/NDF: 715530.7/38

All: 0.005+/-0.000 χ^2/NDF: 1538101.9/78

- sign 0.005+/-0.000 χ^2/NDF: 811955.0/39


yield_bpm0i02X_mean vs Slug
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
100
110
120
130
140
150
160
170
180
Right In: -0.205+/-0.000 χ²/NDF: 6189271855.3/15
Left Out: -0.119+/-0.000 χ²/NDF:19939038478.8/22
Right Out: -0.200+/-0.000 χ²/NDF: 5249978819.5/18
Left In: -0.130+/-0.000 χ²/NDF:14054521466.2/20
+ sign -0.137+/-0.000 χ²/NDF: 26986503222.9/38
All: -0.141+/-0.000 χ²/NDF: 46907169266.1/
- sign -0.146+/-0.000 χ²/NDF: 19892414647.2/39

yield_bpm0i02X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 85159.0/15

Left Out: 0.006+/-0.000 χ^2/NDF:169511.8/22

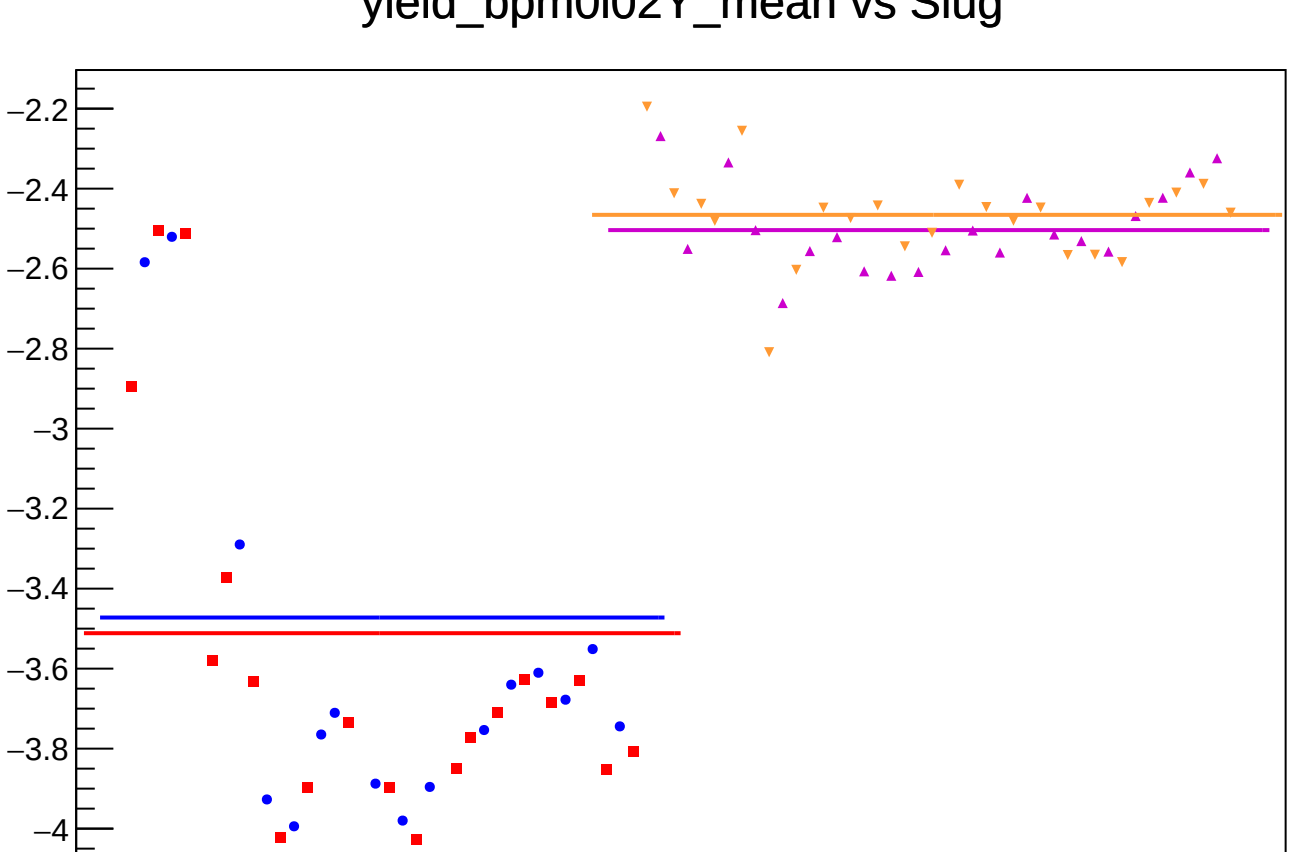
Right Out: 0.007+/-0.000 χ^2/NDF: 99819.4/18

Left In: 0.006+/-0.000 χ^2/NDF:241036.1/20

+ sign 0.006+/-0.000 χ^2/NDF: 729779.5/38

All: 0.006+/-0.000 χ^2/NDF: 1482865.5/78

- sign 0.006+/-0.000 χ^2/NDF: 752776.5/39



Right In: -3.472+/-0.000 χ^2/NDF: 29592353445.4/15

Left Out: -2.466+/-0.000 χ^2/NDF:2158798749.0/22

Right Out: -3.511+/-0.000 χ^2/NDF: 29716501733.6/18

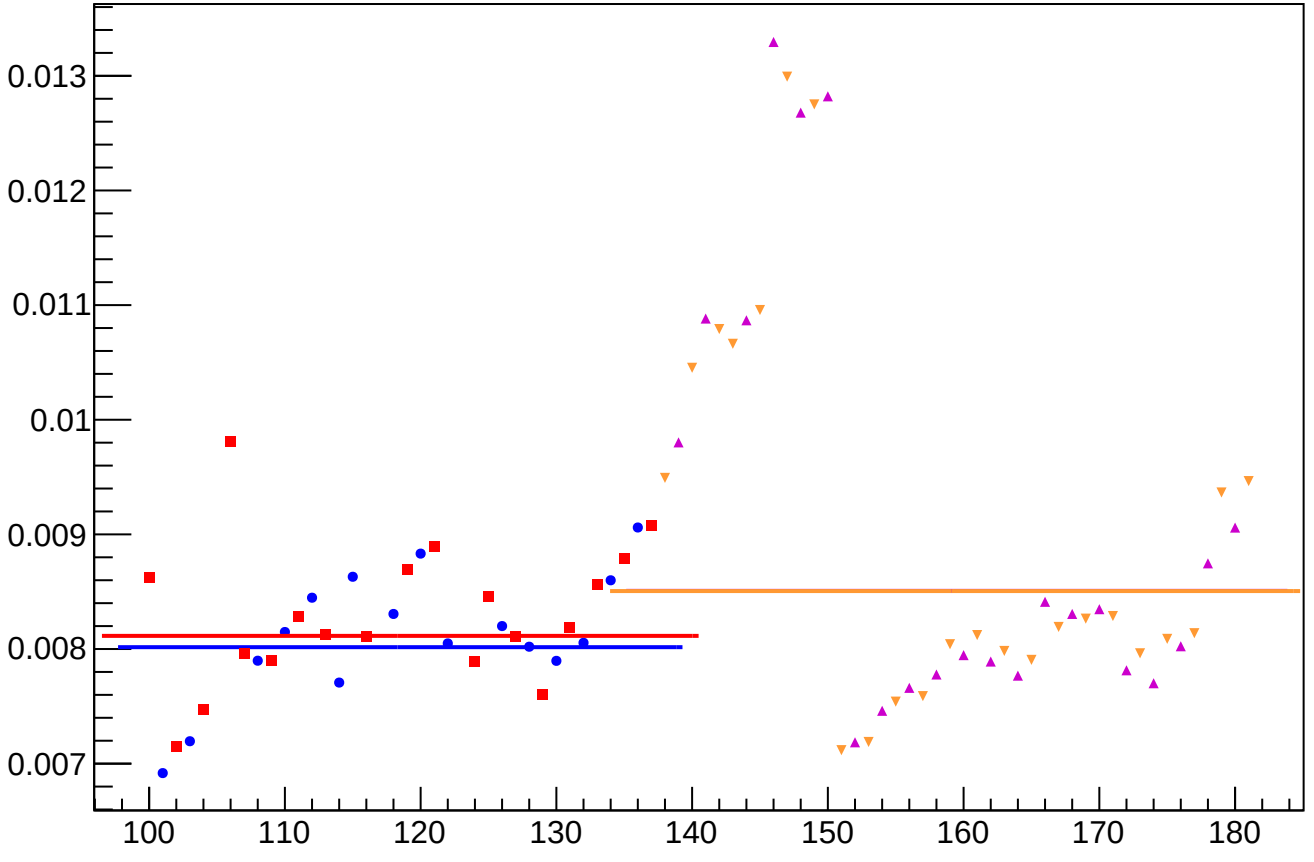
Left In: -2.504+/-0.000 χ^2/NDF:2181285644.4/20

+ sign -2.783+/-0.000 χ^2/NDF: 107182576095.4/38

All: -2.808+/-0.000 χ^2/NDF: 213254578267.3

- sign -2.834+/-0.000 χ^2/NDF: 105633019607.1/39

yield_bpm0i02Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 86232.2/15

Left Out: 0.009+/-0.000 χ^2/NDF:794266.8/22

Right Out: 0.008+/-0.000 χ^2/NDF: 71067.5/18

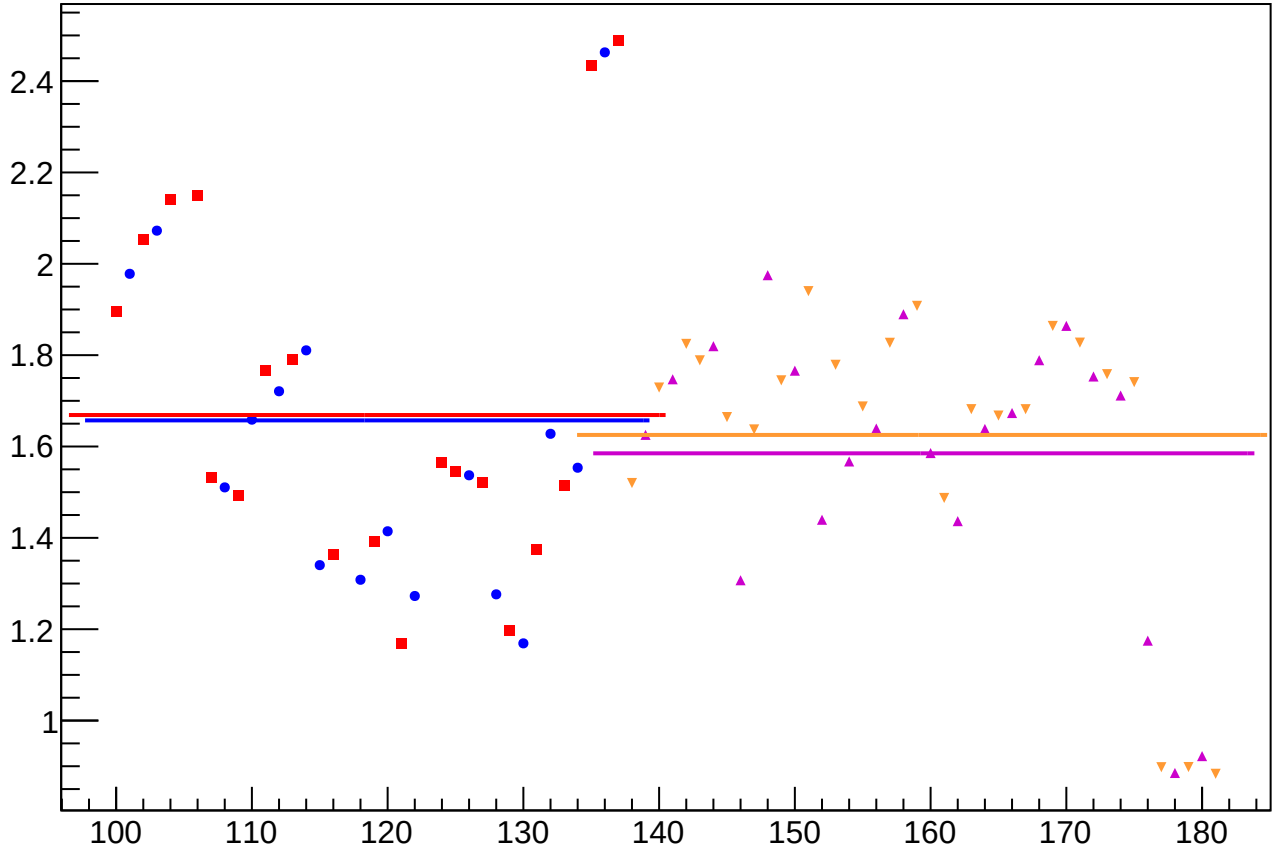
Left In: 0.009+/-0.000 χ^2/NDF:897143.0/20

+ sign 0.008+/-0.000 χ^2/NDF: 916160.7/38

All: 0.008+/-0.000 χ^2/NDF: 1907013.1/78

- sign 0.008+/-0.000 χ^2/NDF: 990599.2/39

yield_bpm0i02aX_mean vs Slug



Right In: 1.657+/-0.000 χ^2/NDF: 6666154117.3/15

Left Out: 1.625+/-0.000 χ^2/NDF:13360446048.0/22

Right Out: 1.669+/-0.000 χ^2/NDF: 6357589265.5/18

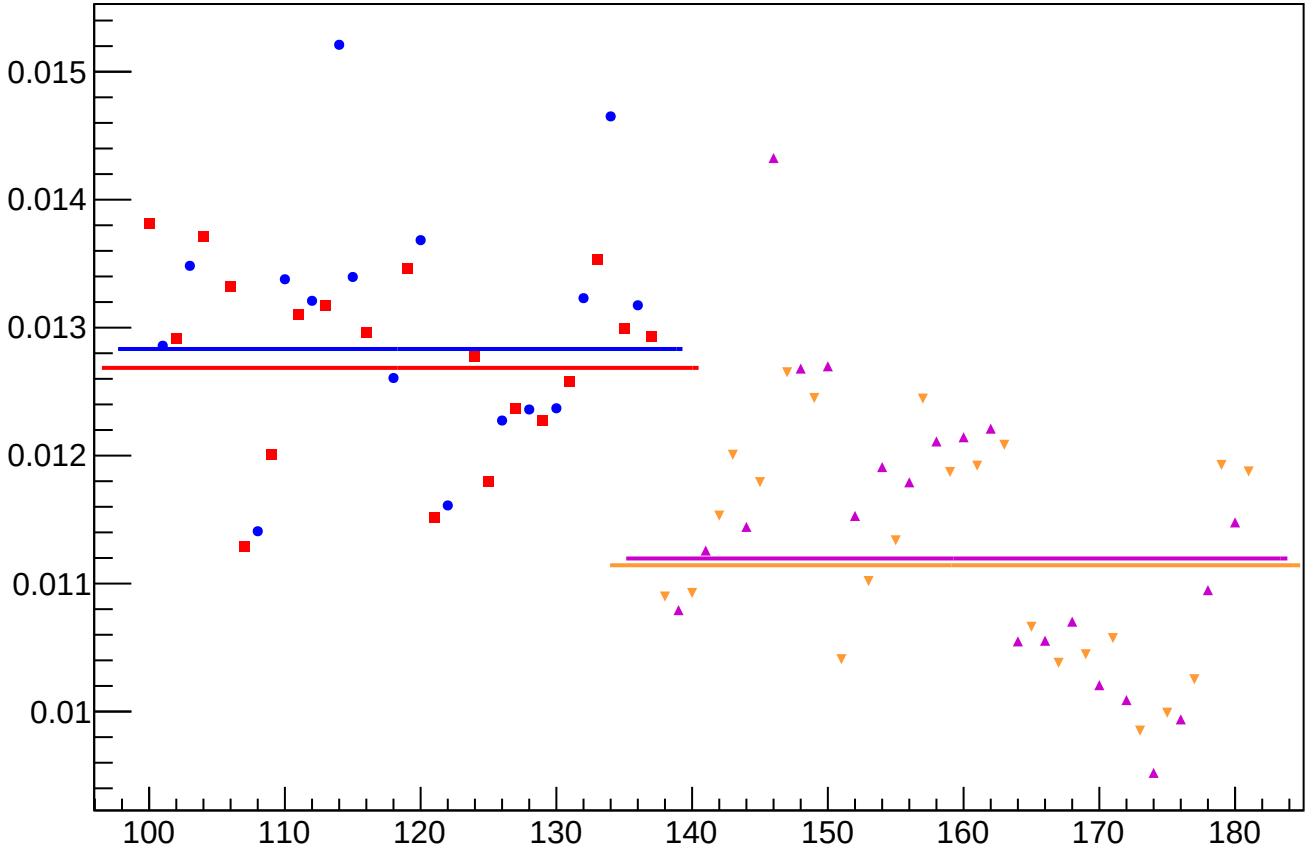
Left In: 1.585+/-0.000 χ^2/NDF:11171627412.0/20

+ sign 1.633+/-0.000 χ^2/NDF: 20059769310.7/38

All: 1.620+/-0.000 χ^2/NDF: 37884695656.8/7

- sign 1.607+/-0.000 χ^2/NDF: 17763686344.5/39

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:197839.5/22

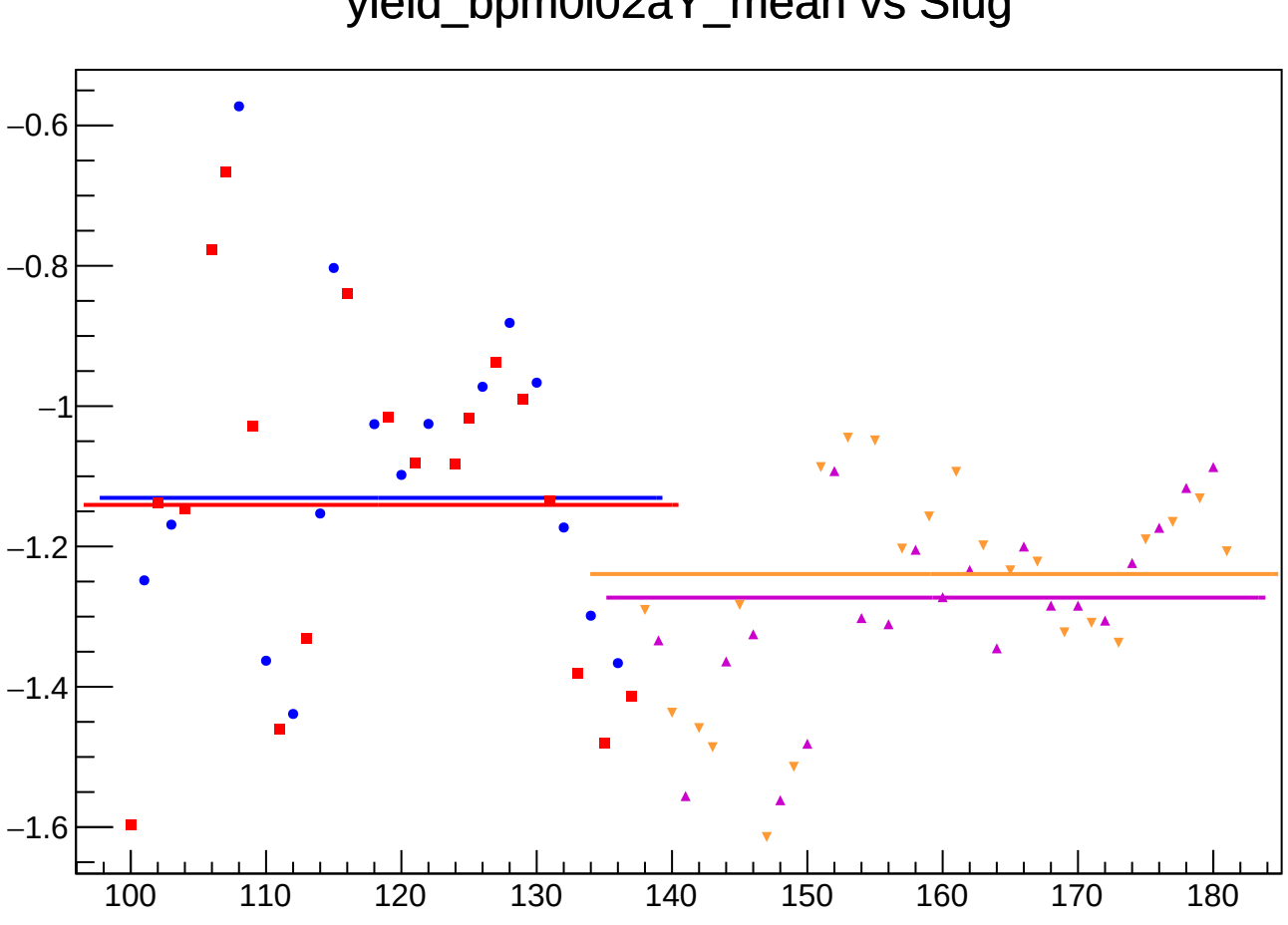
Right Out: 0.013+/-0.000 χ^2/NDF: 43279.9/18

Left In: 0.011+/-0.000 χ^2/NDF:284256.1/20

\+ sign 0.012+/-0.000 χ^2/NDF: 437203.1/38

All: 0.012+/-0.000 χ^2/NDF: 912975.8/78

\- sign 0.012+/-0.000 χ^2/NDF: 475456.1/39



Right In: -1.131+/-0.000 χ^2/NDF: 3790121991.7/15

Left Out: -1.239+/-0.000 χ^2/NDF:4928175402.4/22

Right Out: -1.141+/-0.000 χ^2/NDF: 3544012262.4/18

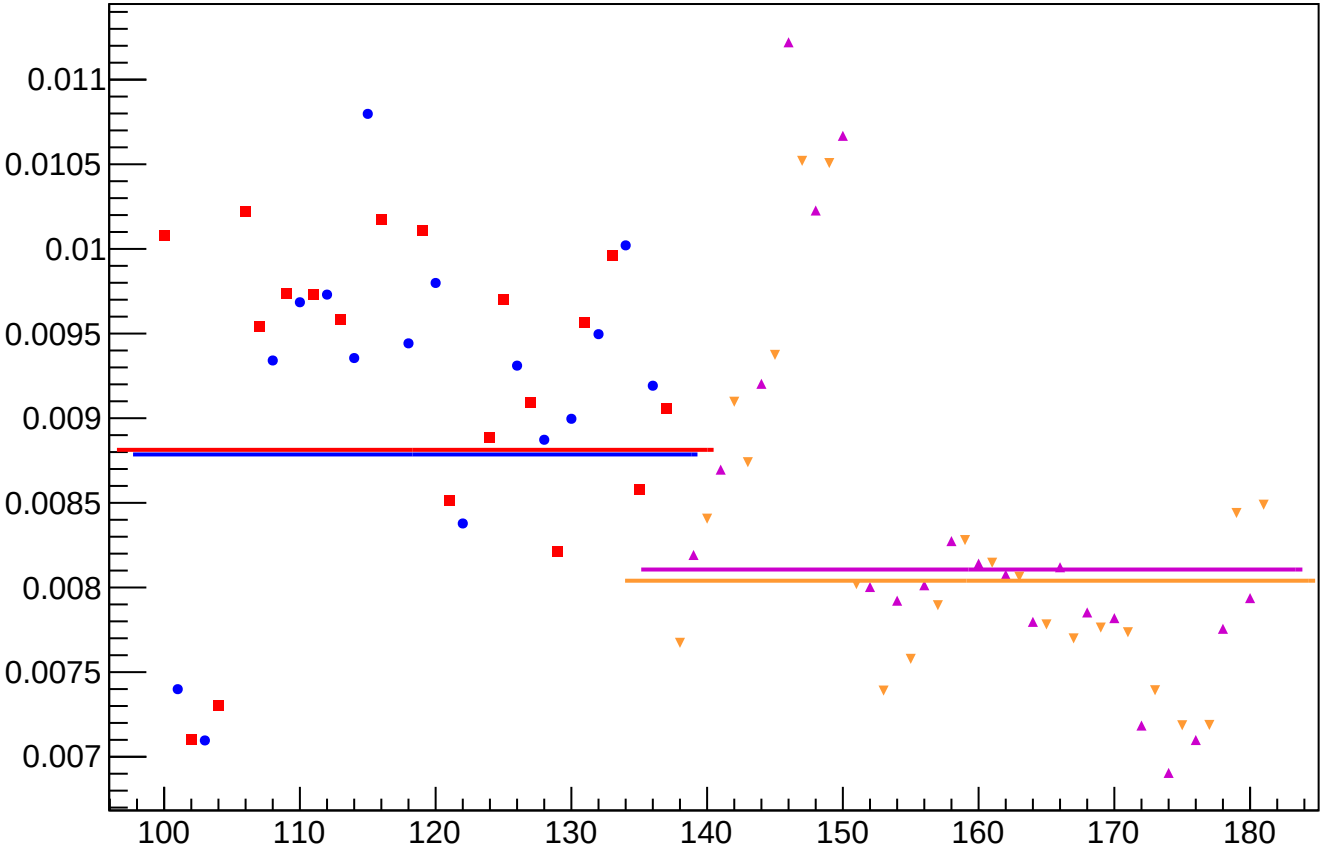
Left In: -1.273+/-0.000 χ^2/NDF:3495916003.7/20

+ sign -1.212+/-0.000 χ^2/NDF: 9500610962.4/38

All: -1.224+/-0.000 χ^2/NDF: 17795672519.7/

- sign -1.238+/-0.000 χ^2/NDF: 8182713046.9/39

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:302893.9/22

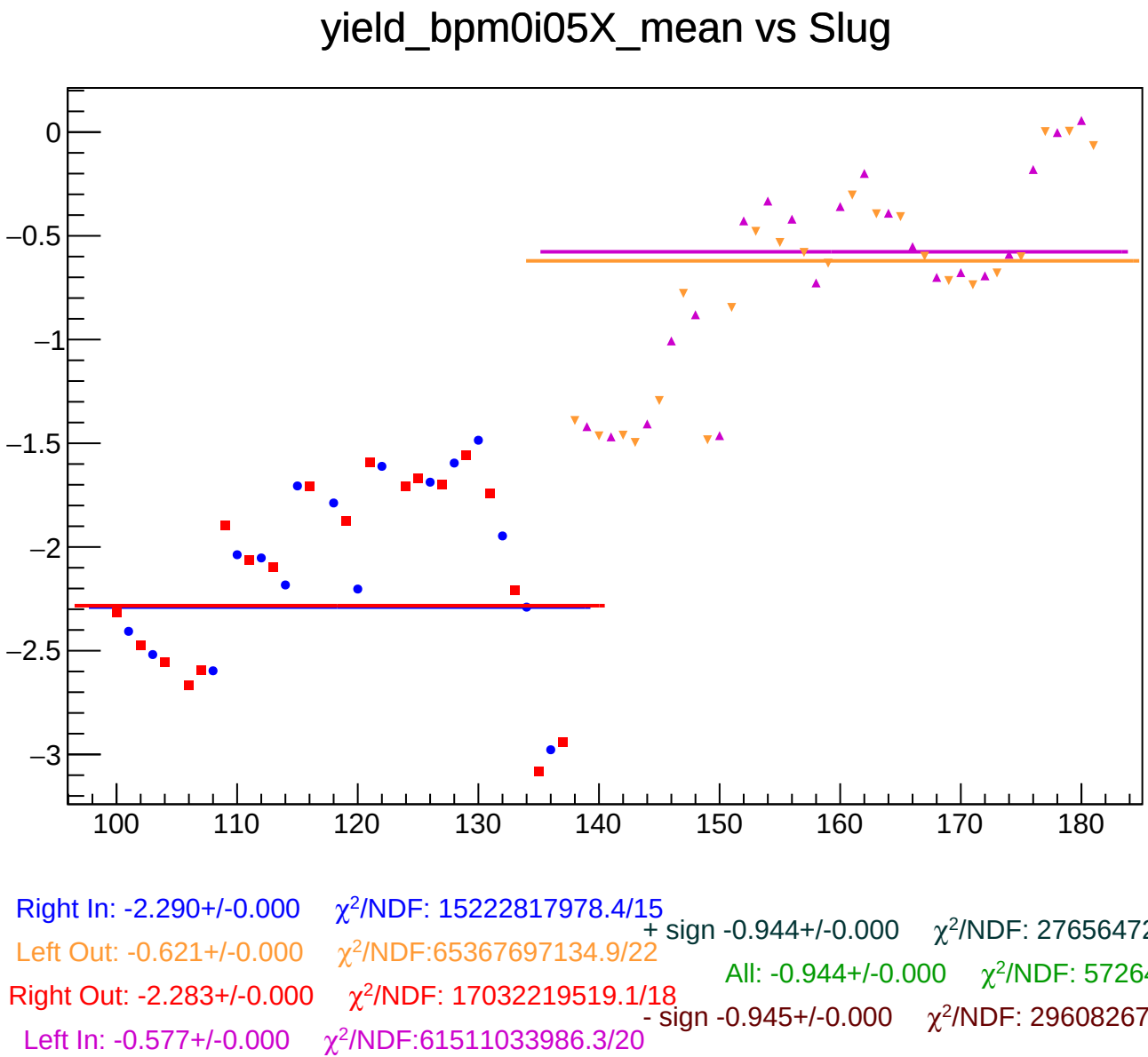
Right Out: 0.009+/-0.000 χ^2/NDF: 204443.3/18

Left In: 0.008+/-0.000 χ^2/NDF:403141.0/20

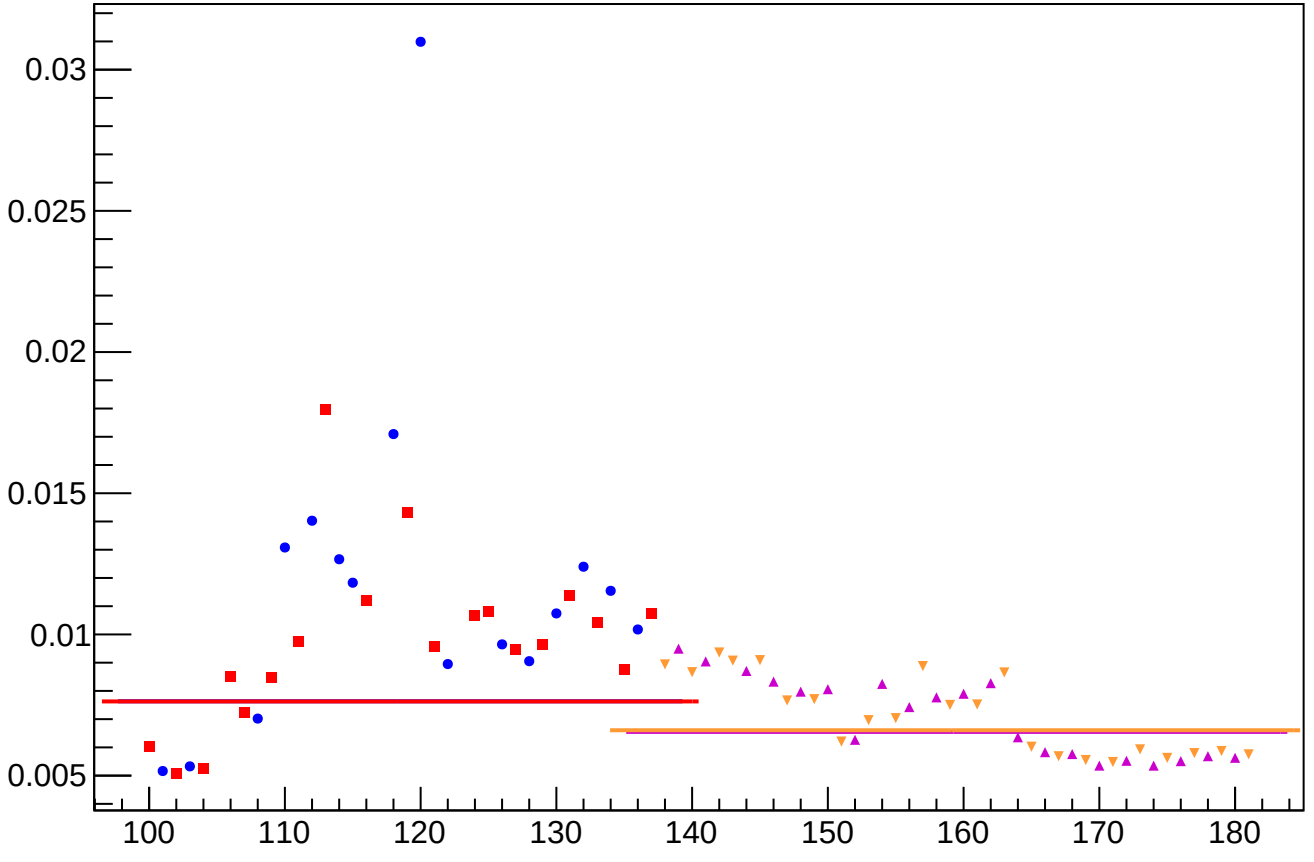
+ sign 0.008+/-0.000 χ^2/NDF: 550238.4/38

All: 0.008+/-0.000 χ^2/NDF: 1224800.8/78

- sign 0.008+/-0.000 χ^2/NDF: 672990.4/39


yield_bpm0i05X_mean vs Slug
0
−0.5
−1
−1.5
−2
−2.5
−3
100
110
120
130
140
150
160
170
180
Right In: -2.290+/-0.000 χ²/NDF: 15222817978.4/15
Left Out: -0.621+/-0.000 χ²/NDF:65367697134.9/22
Right Out: -2.283+/-0.000 χ²/NDF: 17032219519.1/18
Left In: -0.577+/-0.000 χ²/NDF:61511033986.3/20
+ sign -0.944+/-0.000 χ²/NDF: 276564725936.9/38
All: -0.944+/-0.000 χ²/NDF: 572647464304.0
- sign -0.945+/-0.000 χ²/NDF: 296082673827.3/39

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:1058327.2/22

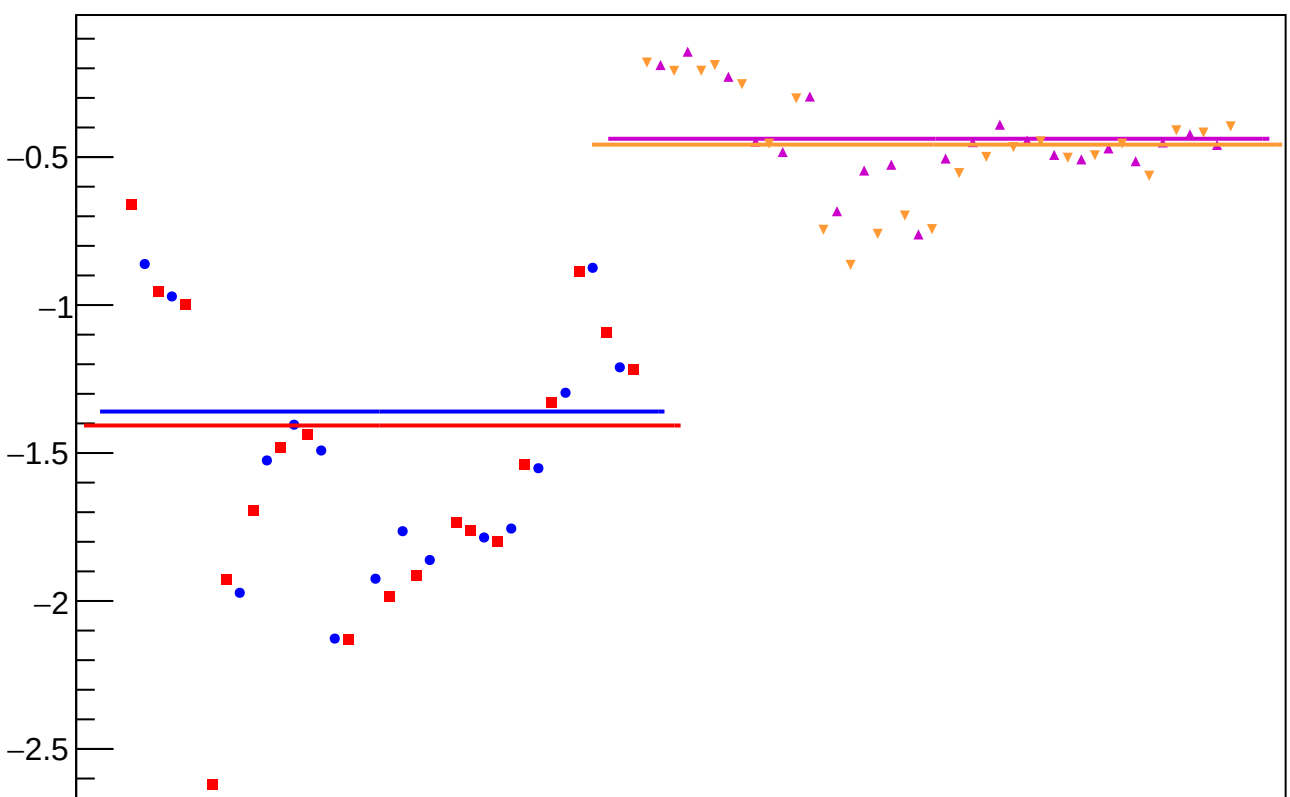
Right Out: 0.008+/-0.000 χ^2/NDF: 1317740.1/18

Left In: 0.007+/-0.000 χ^2/NDF:1145271.2/20

+ sign 0.007+/-0.000 χ^2/NDF: 2917350.8/38

All: 0.007+/-0.000 χ^2/NDF: 5554325.6/78

- sign 0.007+/-0.000 χ^2/NDF: 2636729.0/39



Right In: -1.360+/-0.000 χ^2/NDF: 21491965614.5/15

Left Out: -0.458+/-0.000 χ^2/NDF:28765336633.9/22

Right Out: -1.407+/-0.000 χ^2/NDF: 29835610413.0/18

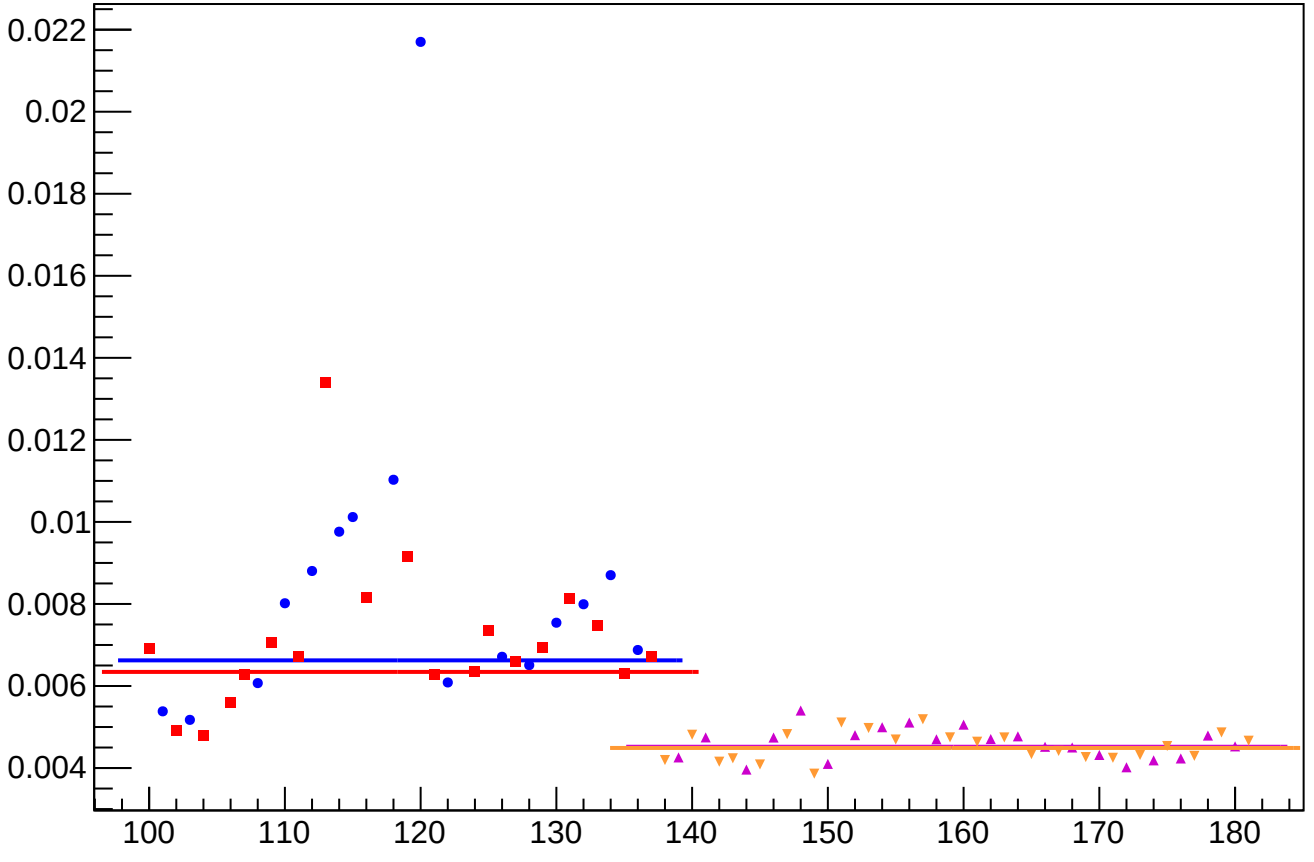
Left In: -0.438+/-0.000 χ^2/NDF:16453471460.4/20

+ sign -0.582+/-0.000 χ^2/NDF: 142815377817.5/38

All: -0.590+/-0.000 χ^2/NDF: 308377595365.2

- sign -0.598+/-0.000 χ^2/NDF: 165434276091.1/39

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:184911.6/22

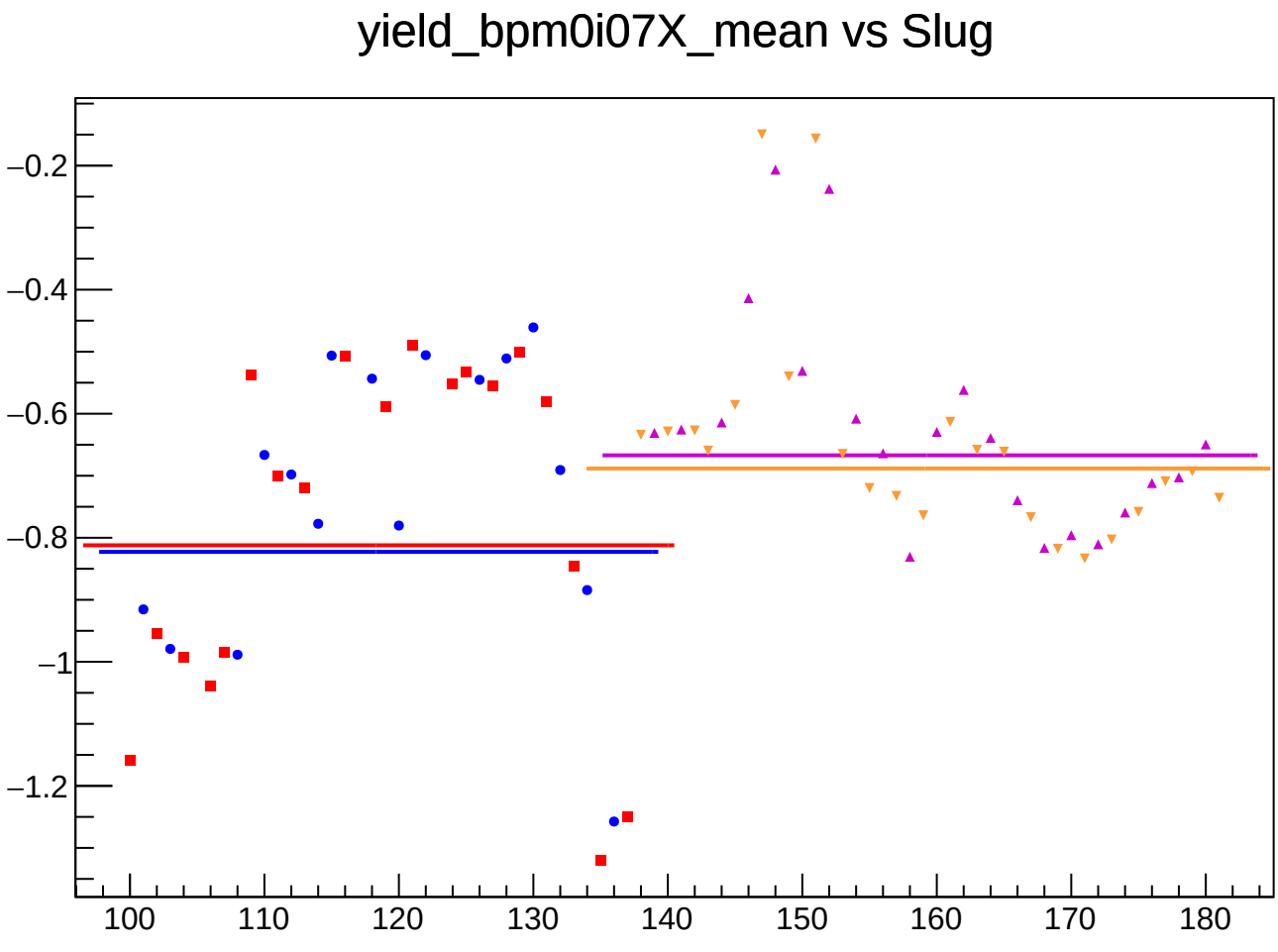
Right Out: 0.006+/-0.000 χ^2/NDF: 529170.9/18

Left In: 0.005+/-0.000 χ^2/NDF:208505.9/20

+ sign 0.005+/-0.000 χ^2/NDF: 1916032.2/38

All: 0.005+/-0.000 χ^2/NDF: 3499914.5/78

- sign 0.005+/-0.000 χ^2/NDF: 1582557.0/39



Right In: -0.823+/-0.000 χ^2/NDF: 12226599844.5/15

Left Out: -0.688+/-0.000 χ^2/NDF:22432349024.5/22

Right Out: -0.812+/-0.000 χ^2/NDF: 14825441332.4/18

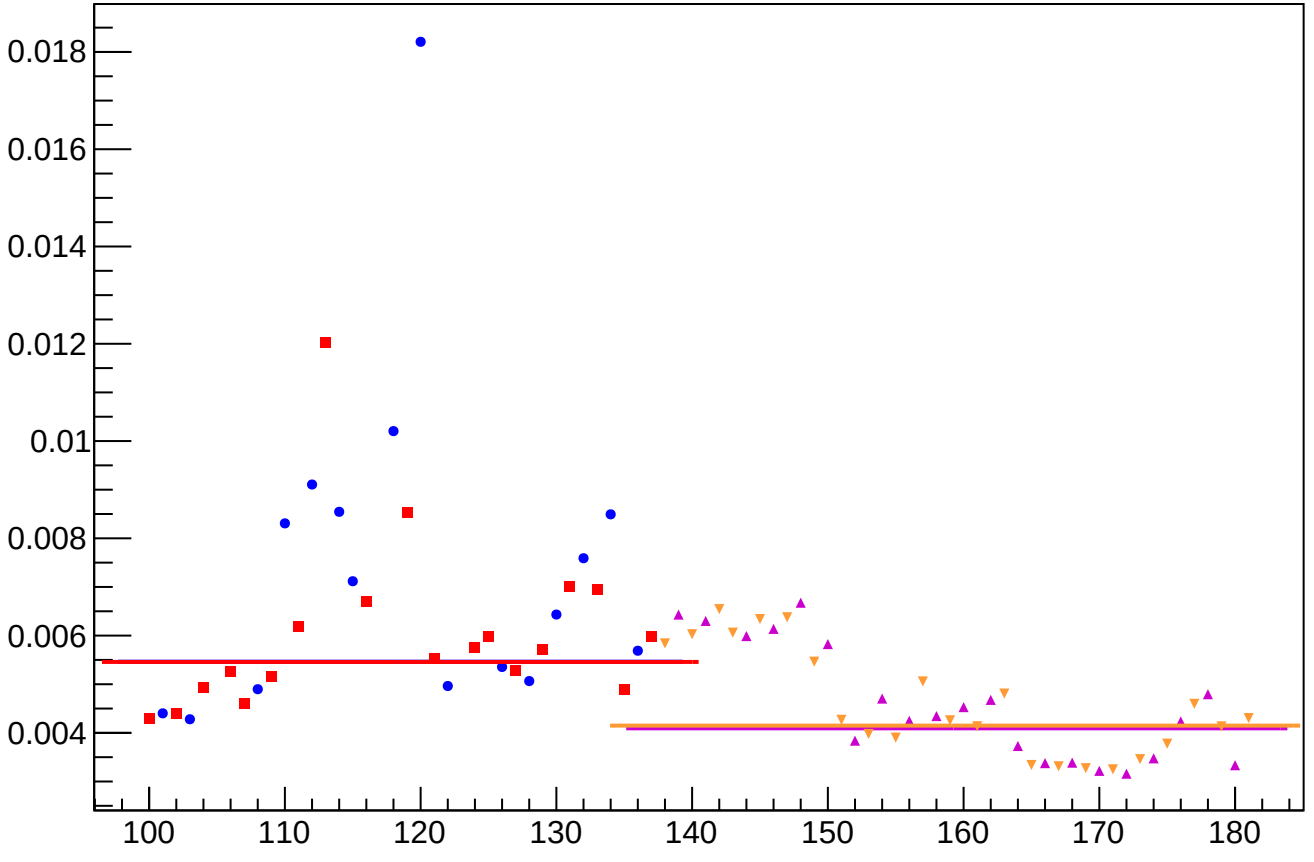
Left In: -0.667+/-0.000 χ^2/NDF:22520575744.4/20

+ sign -0.711+/-0.000 χ^2/NDF: 37432955716.8/38

All: -0.703+/-0.000 χ^2/NDF: 78389888710.5/

- sign -0.694+/-0.000 χ^2/NDF: 40801499502.0/39

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:1504992.0/22

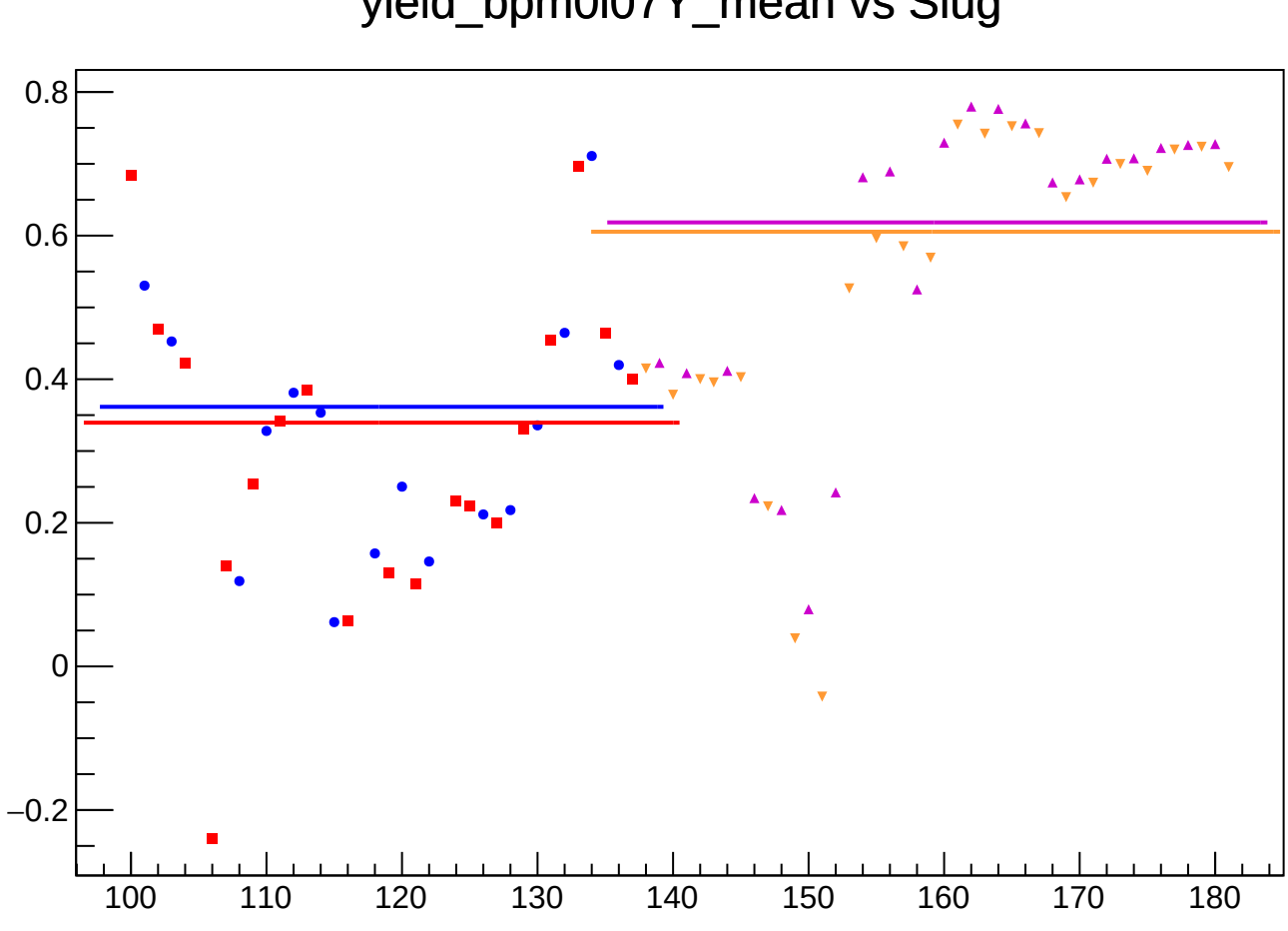
Right Out: 0.005+/-0.000 χ^2/NDF: 507792.7/18

Left In: 0.004+/-0.000 χ^2/NDF:1731804.5/20

\+ sign 0.004+/-0.000 χ^2/NDF: 2997226.7/38

All: 0.004+/-0.000 χ^2/NDF: 5849566.6/78

\- sign 0.004+/-0.000 χ^2/NDF: 2851765.4/39



Right In: 0.362+/-0.000 χ^2/NDF: 8775952187.9/15

Left Out: 0.605+/-0.000 χ^2/NDF:44379852114.7/22

Right Out: 0.339+/-0.000 χ^2/NDF: 12071802789.9/18

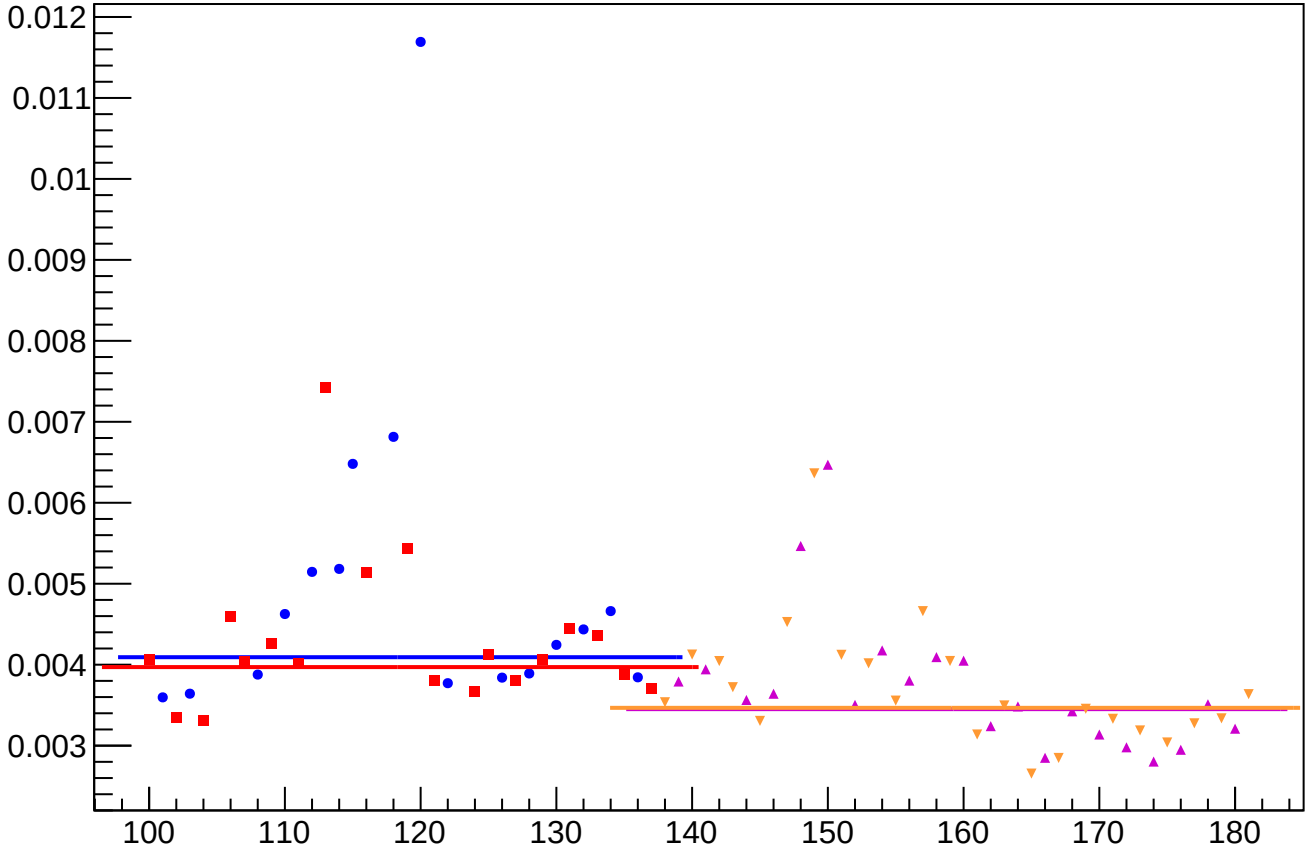
Left In: 0.618+/-0.000 χ^2/NDF:39470674949.3/20

+ sign 0.551+/-0.000 χ^2/NDF: 70046297540.9/38

All: 0.549+/-0.000 χ^2/NDF: 145238511320.2

- sign 0.548+/-0.000 χ^2/NDF: 75185040594.0/39

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:812995.8/22

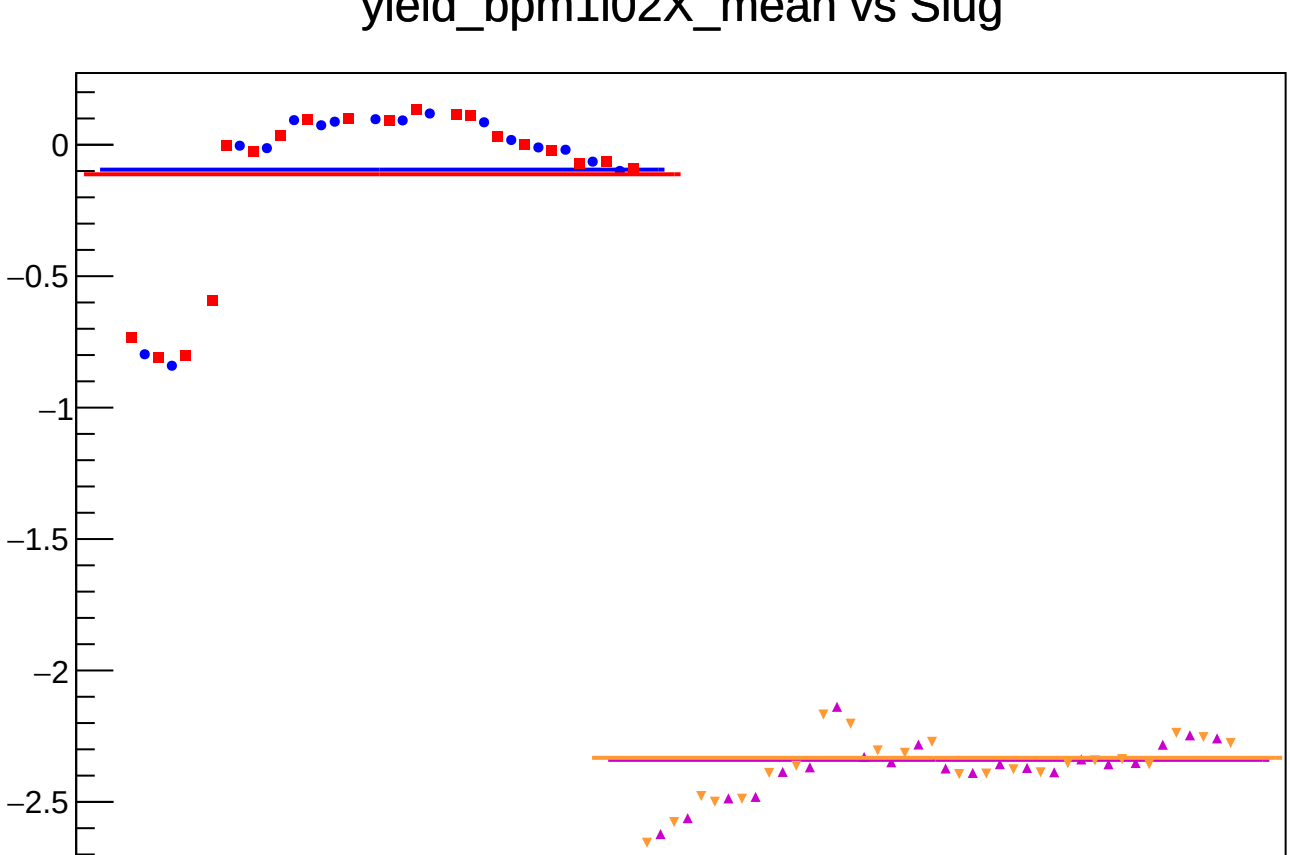
Right Out: 0.004+/-0.000 χ^2/NDF: 313701.1/18

Left In: 0.003+/-0.000 χ^2/NDF:873646.9/20

+ sign 0.004+/-0.000 χ^2/NDF: 1526887.1/38

All: 0.004+/-0.000 χ^2/NDF: 2879199.5/78

- sign 0.004+/-0.000 χ^2/NDF: 1351318.5/39



Right In: -0.095+/-0.000 χ^2/NDF: 5489721985.1/15

Left Out: -2.332+/-0.000 χ^2/NDF:1951974528.2/22

Right Out: -0.112+/-0.000 χ^2/NDF: 6190163375.6/18

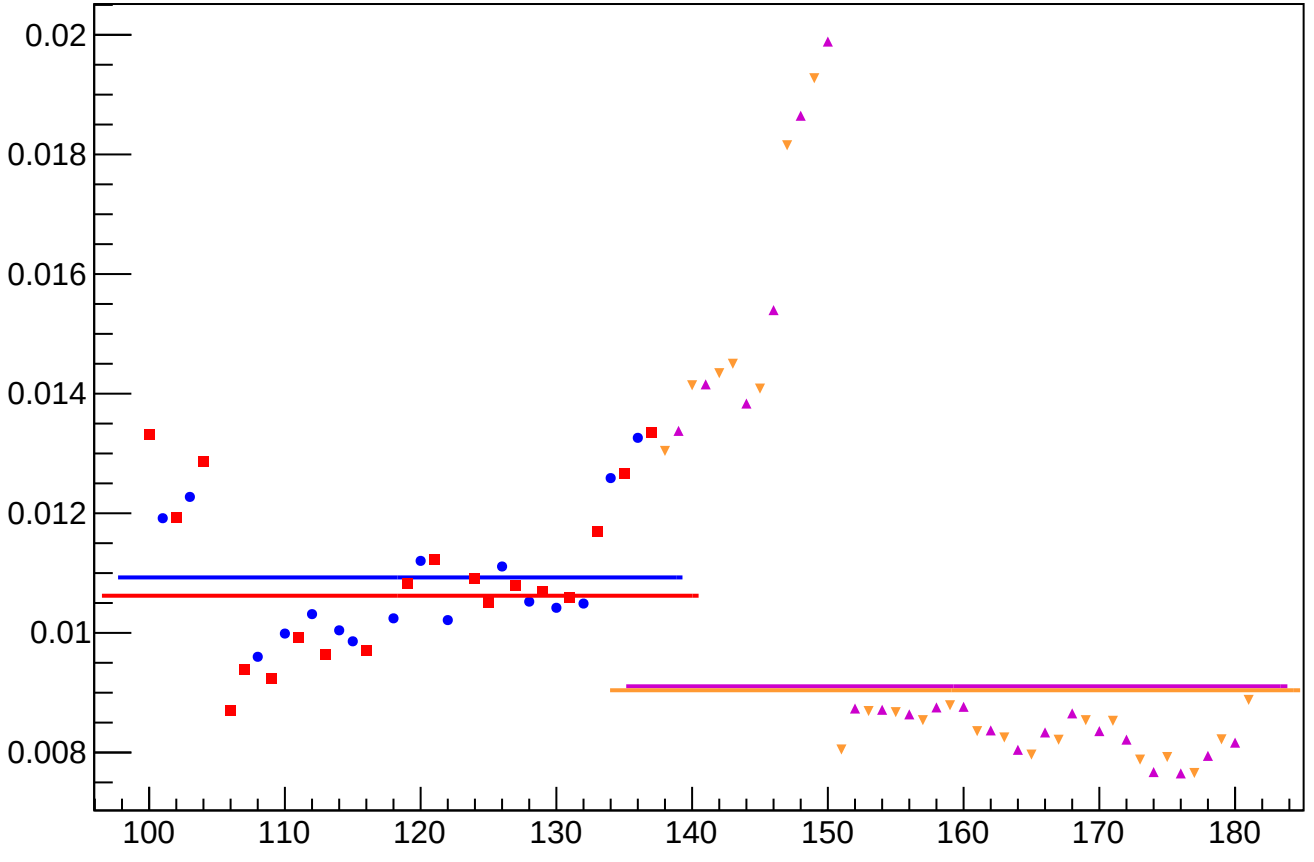
Left In: -2.340+/-0.000 χ^2/NDF:1592335074.5/20

+ sign -1.837+/-0.000 χ^2/NDF: 239984219196.1/38

All: -1.808+/-0.000 χ^2/NDF: 490775562684.3

- sign -1.779+/-0.000 χ^2/NDF: 250340000511.0/39

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:2048443.9/22

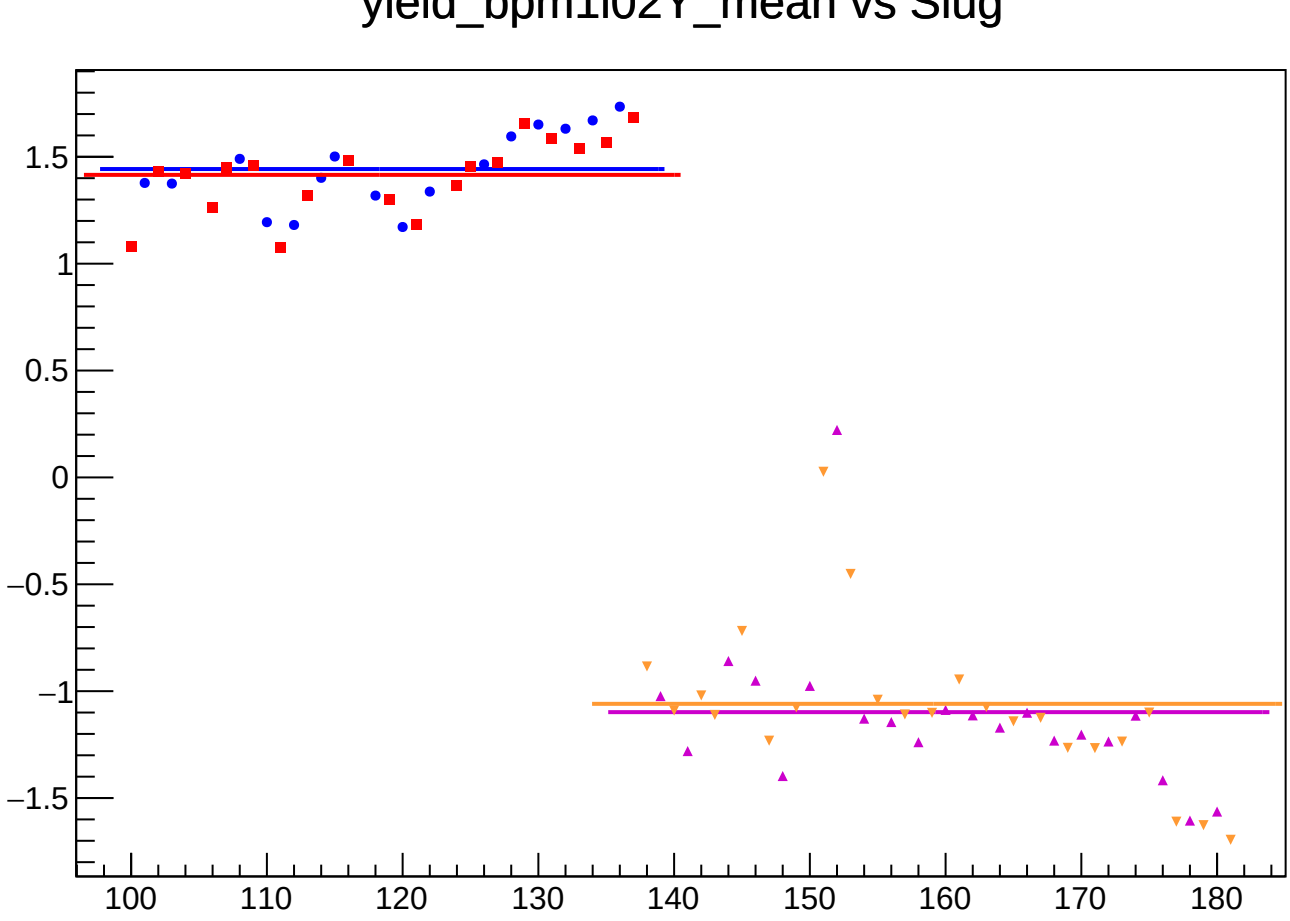
Right Out: 0.011+/-0.000 χ^2/NDF: 190526.1/18

Left In: 0.009+/-0.000 χ^2/NDF:2125761.7/20

+ sign 0.009+/-0.000 χ^2/NDF: 2515585.0/38

All: 0.009+/-0.000 χ^2/NDF: 5056309.5/78

- sign 0.009+/-0.000 χ^2/NDF: 2540482.1/39



Right In: 1.443+/-0.000 χ^2/NDF: 3739724691.1/15

Left Out: -1.059+/-0.000 χ^2/NDF:55190899413.2/22

Right Out: 1.415+/-0.000 χ^2/NDF: 2803466123.0/18

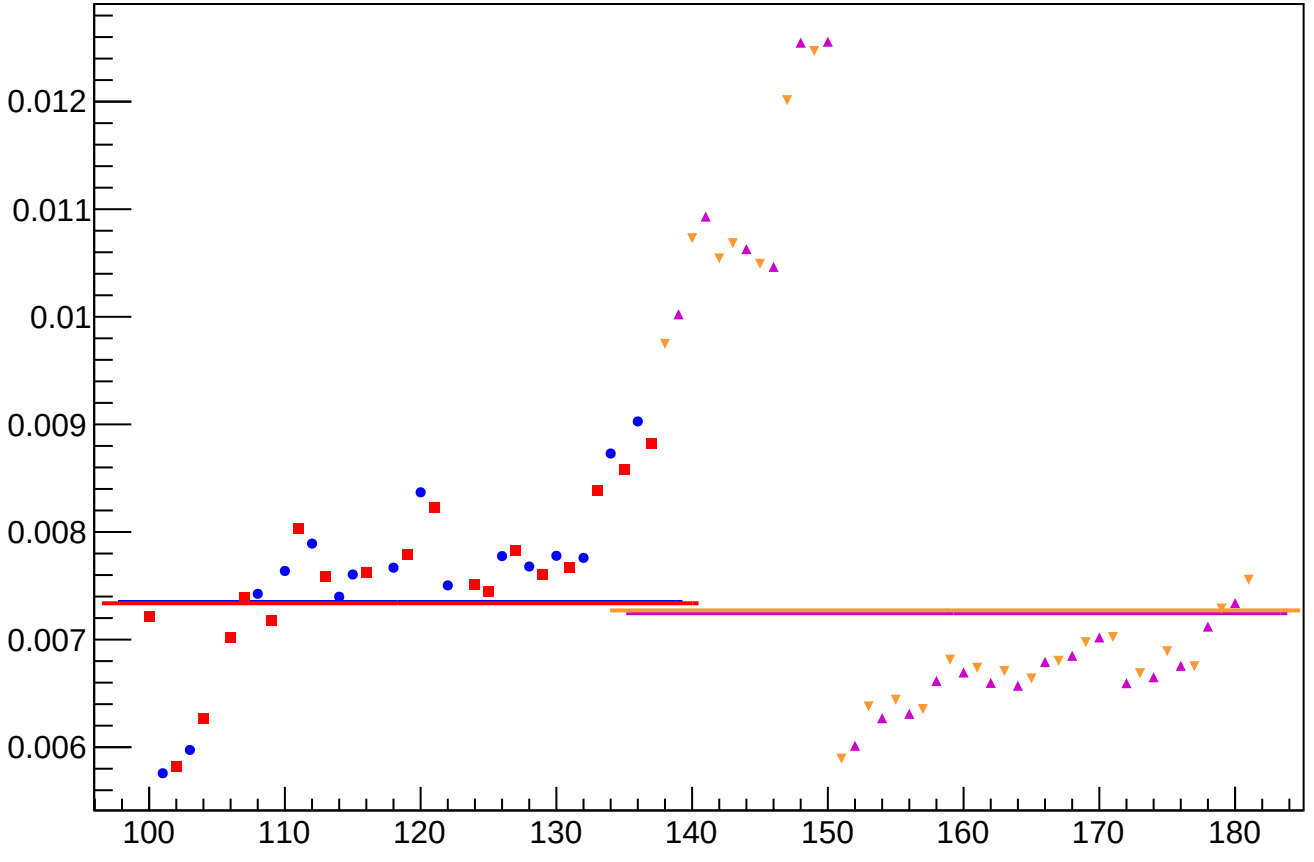
Left In: -1.098+/-0.000 χ^2/NDF:53656525026.2/20

+ sign -0.349+/-0.000 χ^2/NDF: 645362907693.1/38

All: -0.340+/-0.000 χ^2/NDF: 1303236769258

- sign -0.332+/-0.000 χ^2/NDF: 657807099850.5/39

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:1489630.6/22

Right Out: 0.007+/-0.000 χ^2/NDF: 195372.6/18

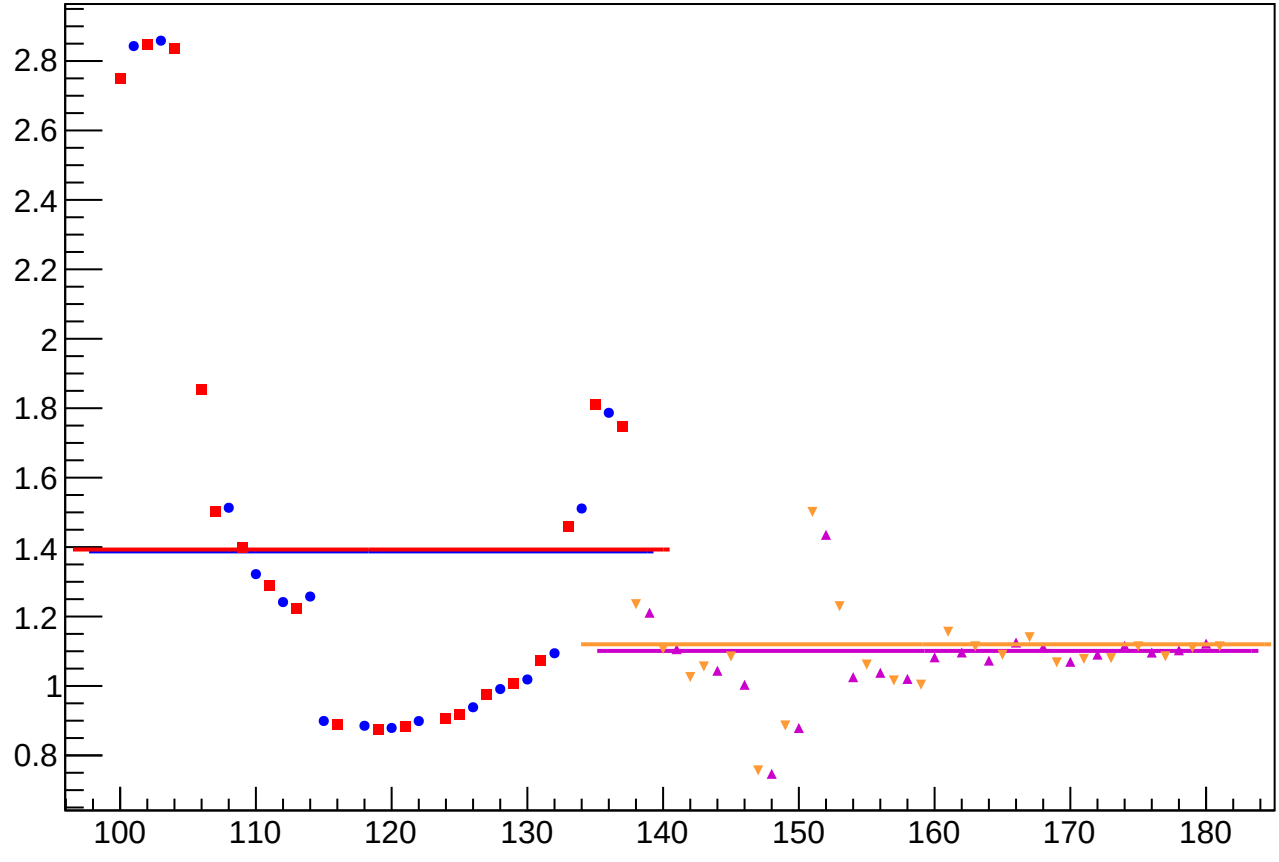
Left In: 0.007+/-0.000 χ^2/NDF:1554104.3/20

+ sign 0.007+/-0.000 χ^2/NDF: 1761631.3/38

All: 0.007+/-0.000 χ^2/NDF: 3512897.8/78

- sign 0.007+/-0.000 χ^2/NDF: 1751085.1/39

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:5512321538.5/22

Right Out: 1.393+/-0.000 χ^2/NDF: 55365724659.7/18

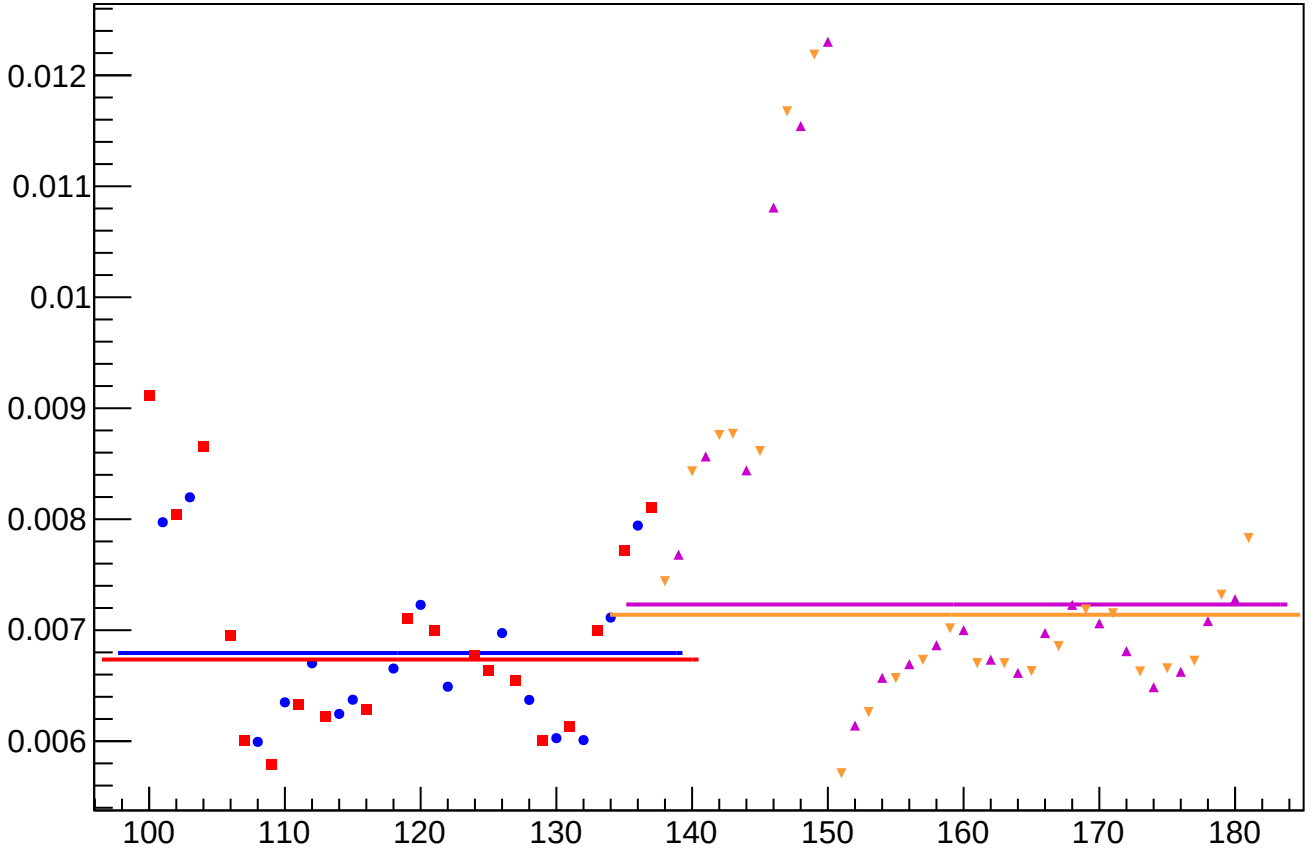
Left In: 1.101+/-0.000 χ^2/NDF:4193835936.2/20

+ sign 1.203+/-0.000 χ^2/NDF: 71723057814.3/38

All: 1.202+/-0.000 χ^2/NDF: 140406649350.6

- sign 1.200+/-0.000 χ^2/NDF: 68681871988.3/39

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:864479.7/22

Right Out: 0.007+/-0.000 χ^2/NDF: 198492.7/18

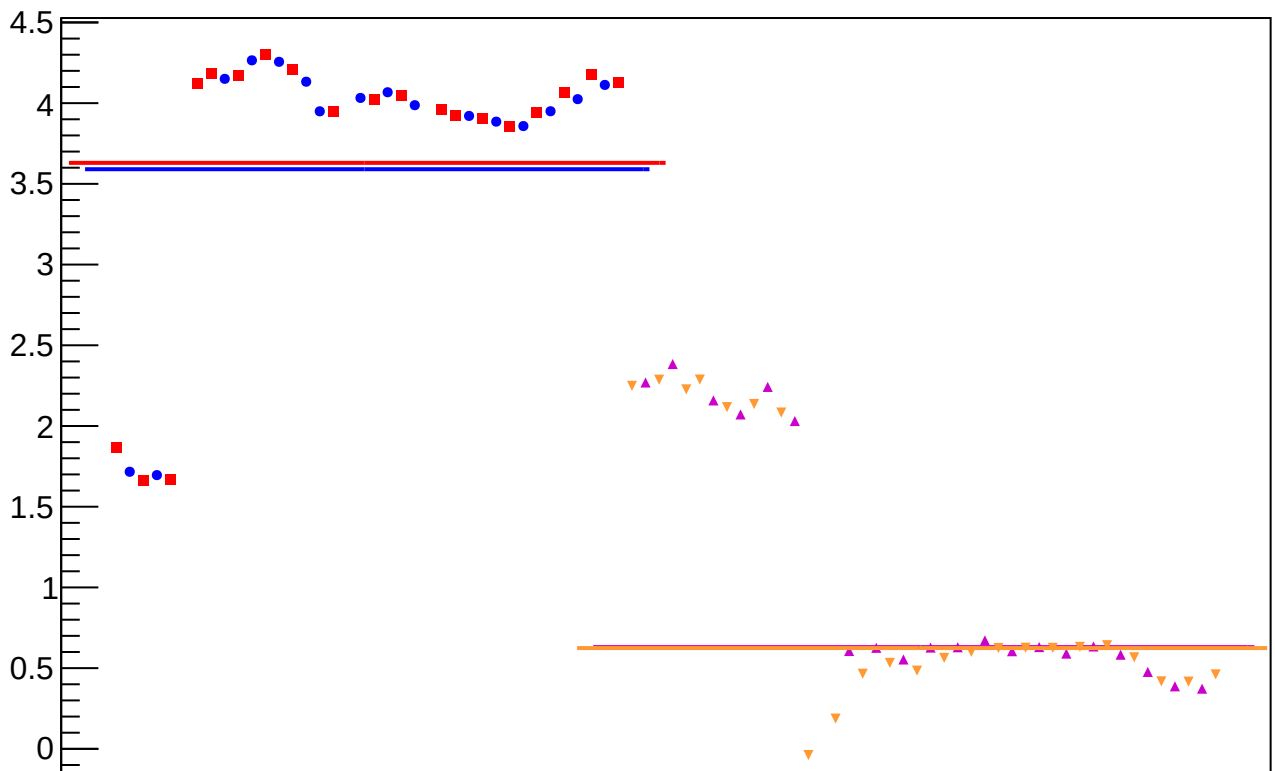
Left In: 0.007+/-0.000 χ^2/NDF:909485.9/20

+ sign 0.007+/-0.000 χ^2/NDF: 1054151.0/38

All: 0.007+/-0.000 χ^2/NDF: 2215206.3/78

- sign 0.007+/-0.000 χ^2/NDF: 1160596.7/39

yield_bpm1i04Y_mean vs Slug



Right In: 3.591+/-0.000 χ^2/NDF: 202184644473.7/15

Left Out: 0.624+/-0.000 χ^2/NDF:250610731812.6/22

Right Out: 3.630+/-0.000 χ^2/NDF: 212588390342.3/18

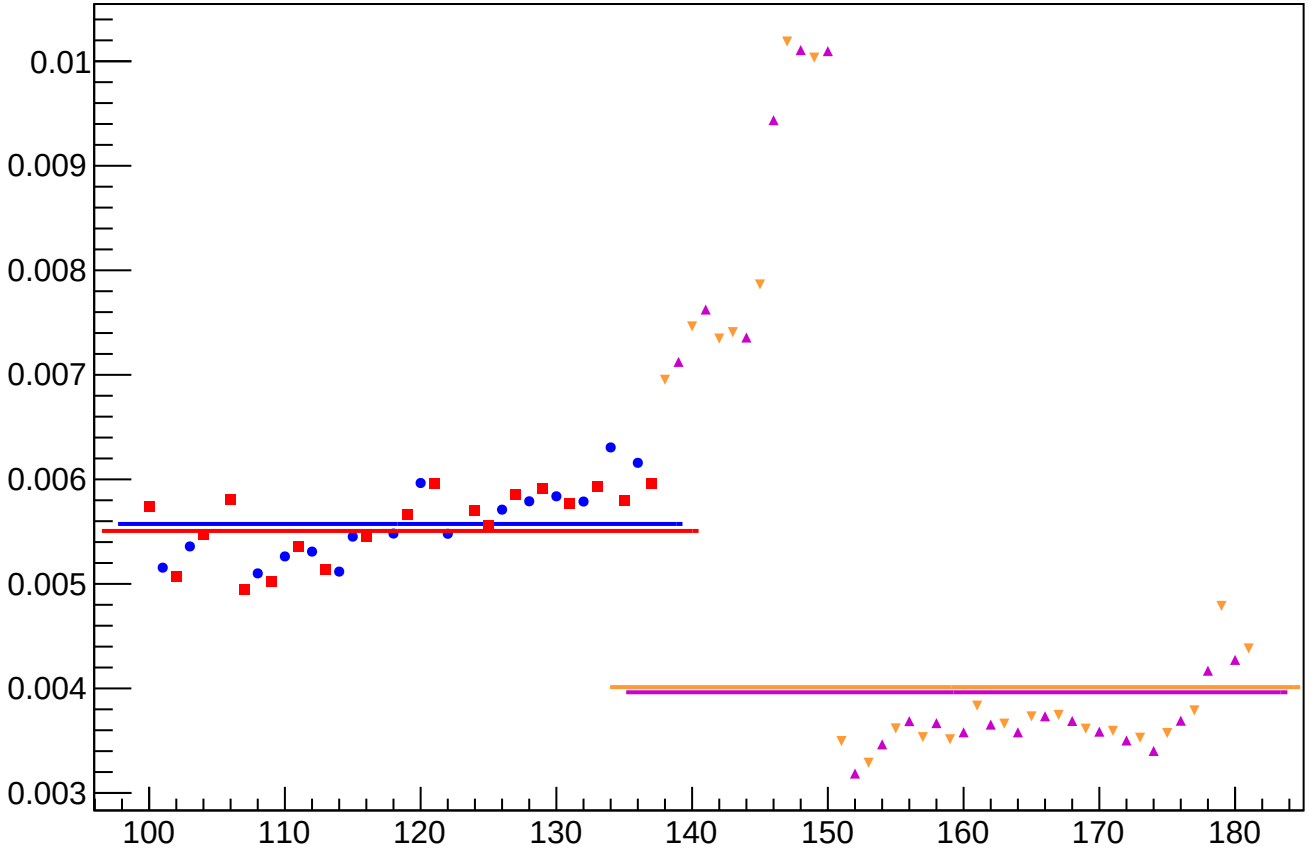
Left In: 0.630+/-0.000 χ^2/NDF:251889151874.3/20

+ sign 1.180+/-0.000 χ^2/NDF: 2102843802354.1/38

All: 1.204+/-0.000 χ^2/NDF: 4302978050066.

- sign 1.229+/-0.000 χ^2/NDF: 2198627481252.6/39

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:2954397.8/22

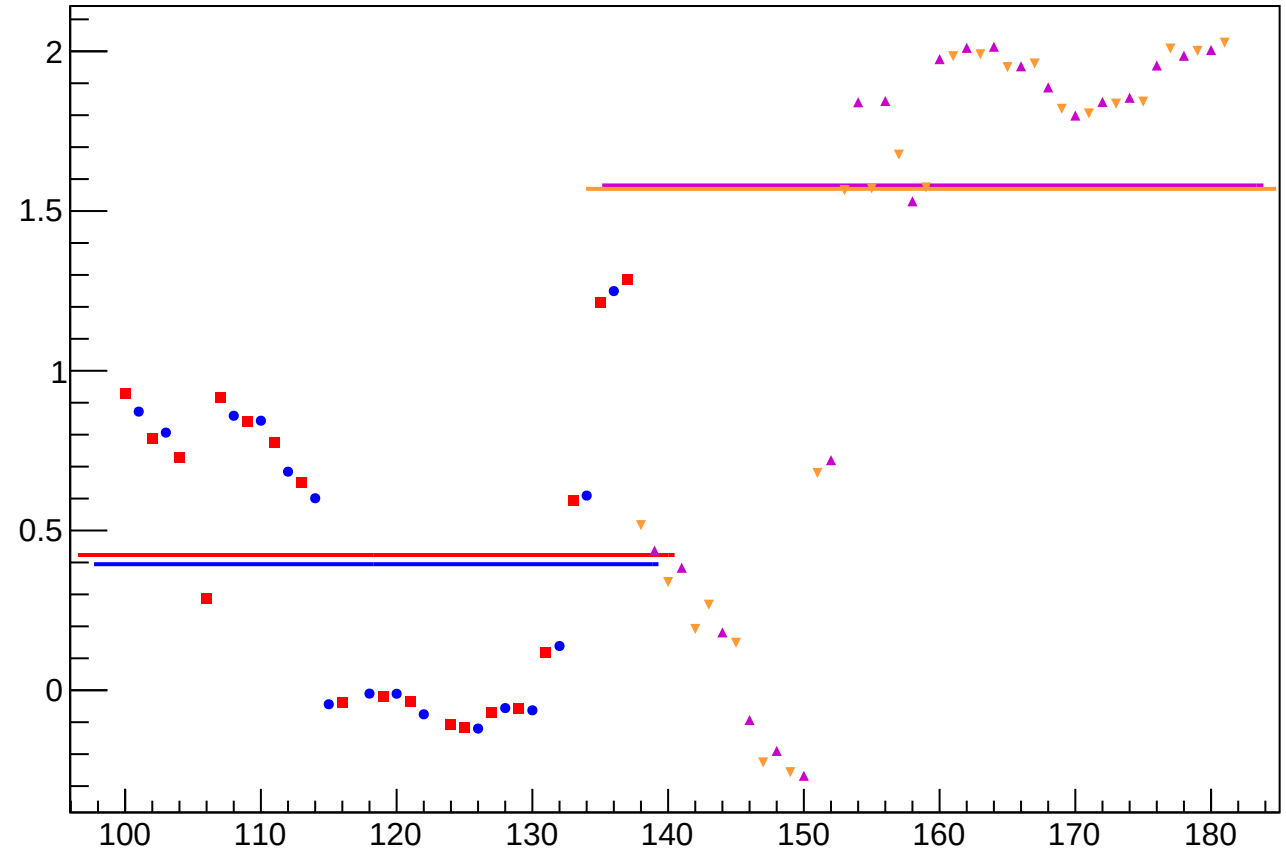
Right Out: 0.006+/-0.000 χ^2/NDF: 57427.9/18

Left In: 0.004+/-0.000 χ^2/NDF:3118139.1/20

+ sign 0.004+/-0.000 χ^2/NDF: 3927363.0/38

All: 0.004+/-0.000 χ^2/NDF: 8022403.9/78

- sign 0.004+/-0.000 χ^2/NDF: 4093685.3/39



Right In: 0.395+/-0.000 χ^2/NDF: 7412548044.8/15

Left Out: 1.569+/-0.000 χ^2/NDF:60792762965.6/22

Right Out: 0.423+/-0.000 χ^2/NDF: 6904060515.1/18

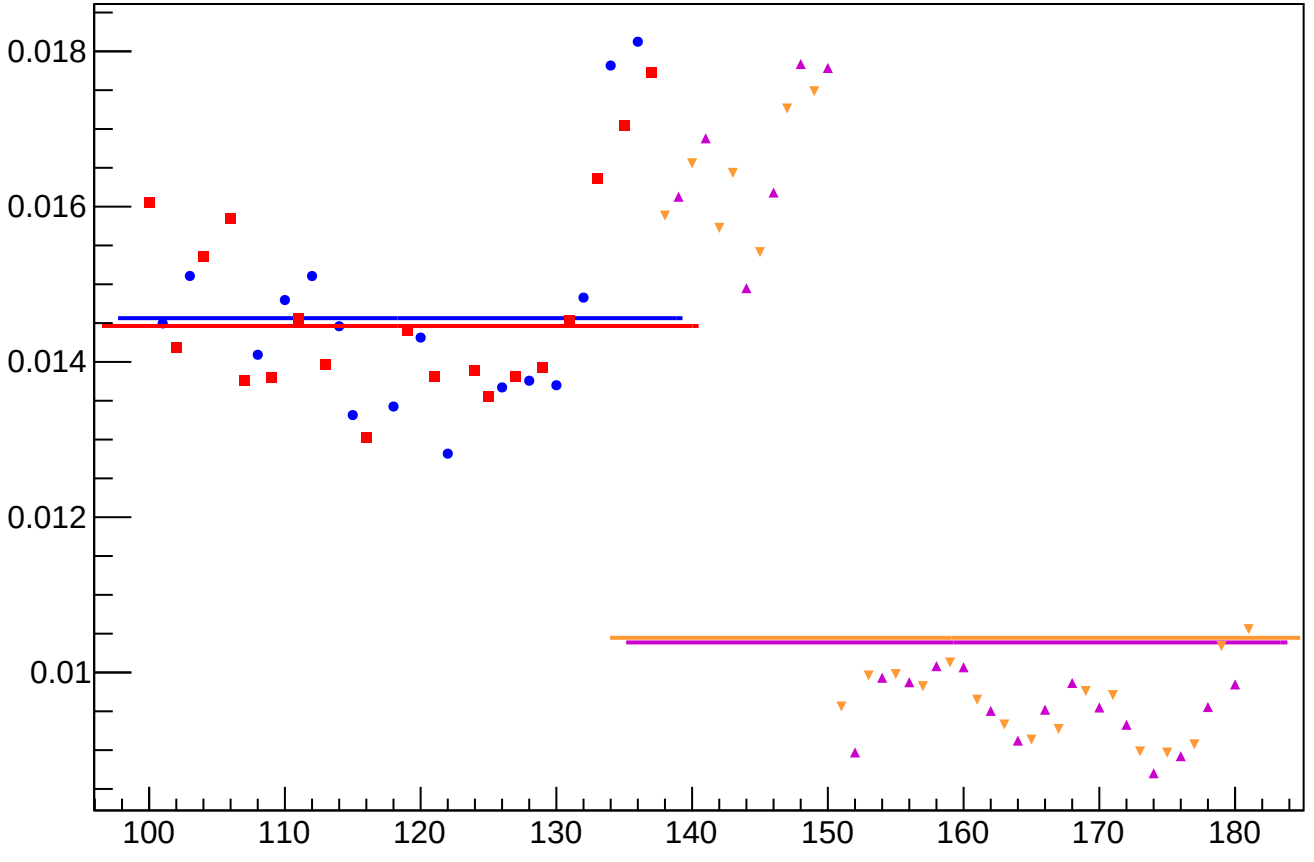
Left In: 1.580+/-0.000 χ^2/NDF:64567344836.6/20

+ sign 1.364+/-0.000 χ^2/NDF: 106314744200.8/38

All: 1.363+/-0.000 χ^2/NDF: 215621009448.2

- sign 1.363+/-0.000 χ^2/NDF: 109306021806.8/39

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:1658605.5/22

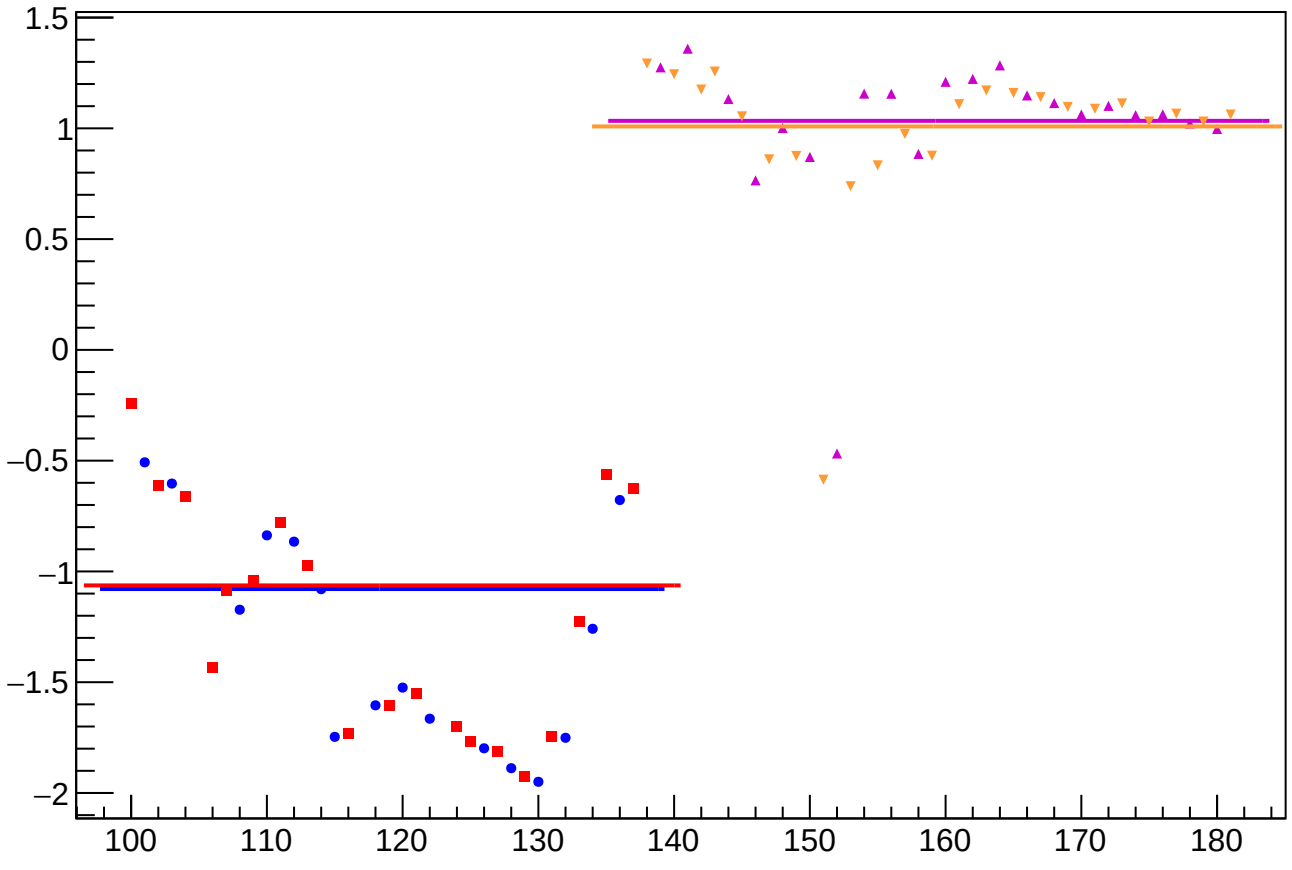
Right Out: 0.014+/-0.000 χ^2/NDF: 77396.3/18

Left In: 0.010+/-0.000 χ^2/NDF:1709984.4/20

+ sign 0.011+/-0.000 χ^2/NDF: 2727643.4/38

All: 0.011+/-0.000 χ^2/NDF: 5454358.2/78

- sign 0.011+/-0.000 χ^2/NDF: 2726686.6/39



Right In: -1.079+/-0.000 χ^2/NDF: 59756571764.5/15

Left Out: 1.009+/-0.000 χ^2/NDF:111038912542.3/22

Right Out: -1.063+/-0.000 χ^2/NDF: 49910403943.5/18

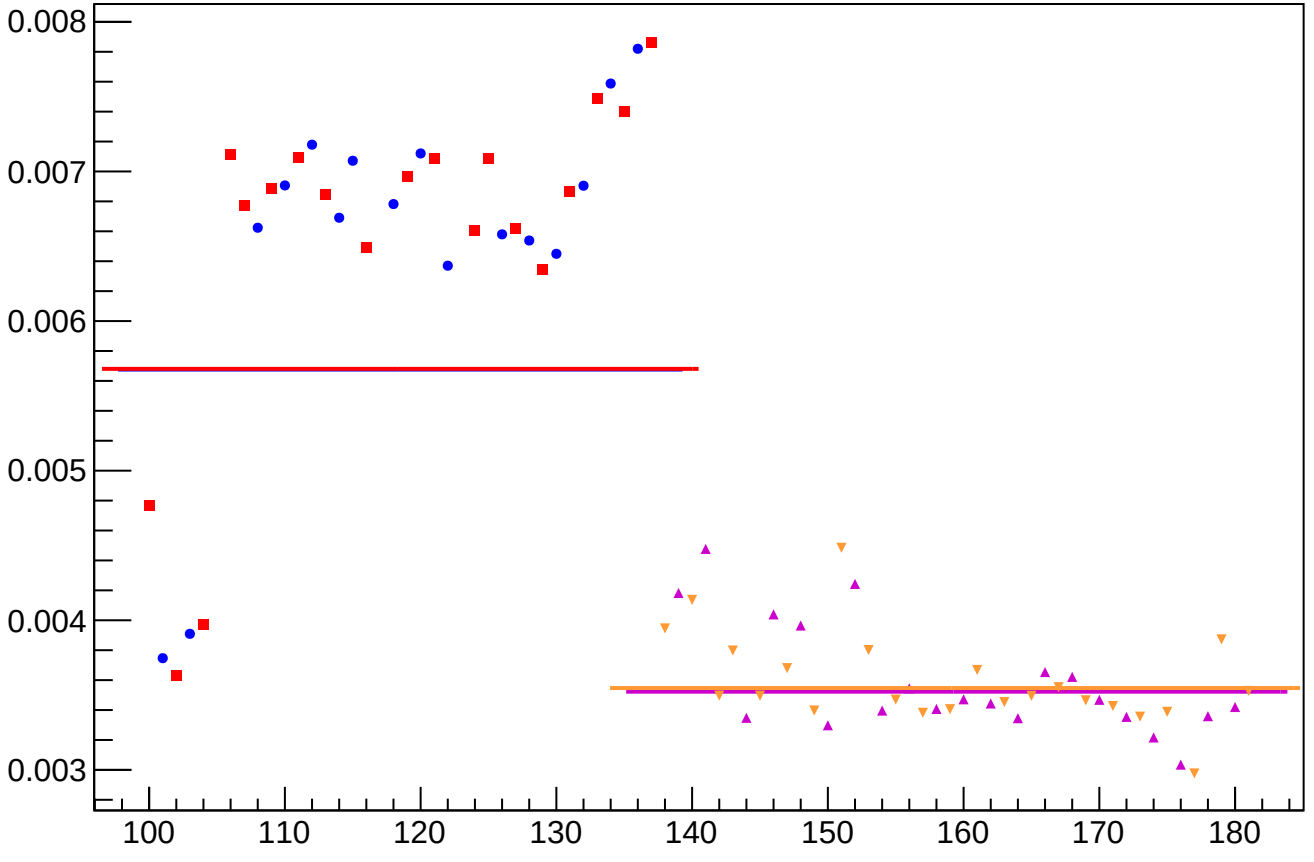
Left In: 1.034+/-0.000 χ^2/NDF:125375035320.7/20

+ sign 0.737+/-0.000 χ^2/NDF: 920230846599.6/38

All: 0.741+/-0.000 χ^2/NDF: 1853475951316.

- sign 0.746+/-0.000 χ^2/NDF: 933187376884.4/39

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:211936.5/22

Right Out: 0.006+/-0.000 χ^2/NDF: 980583.9/18

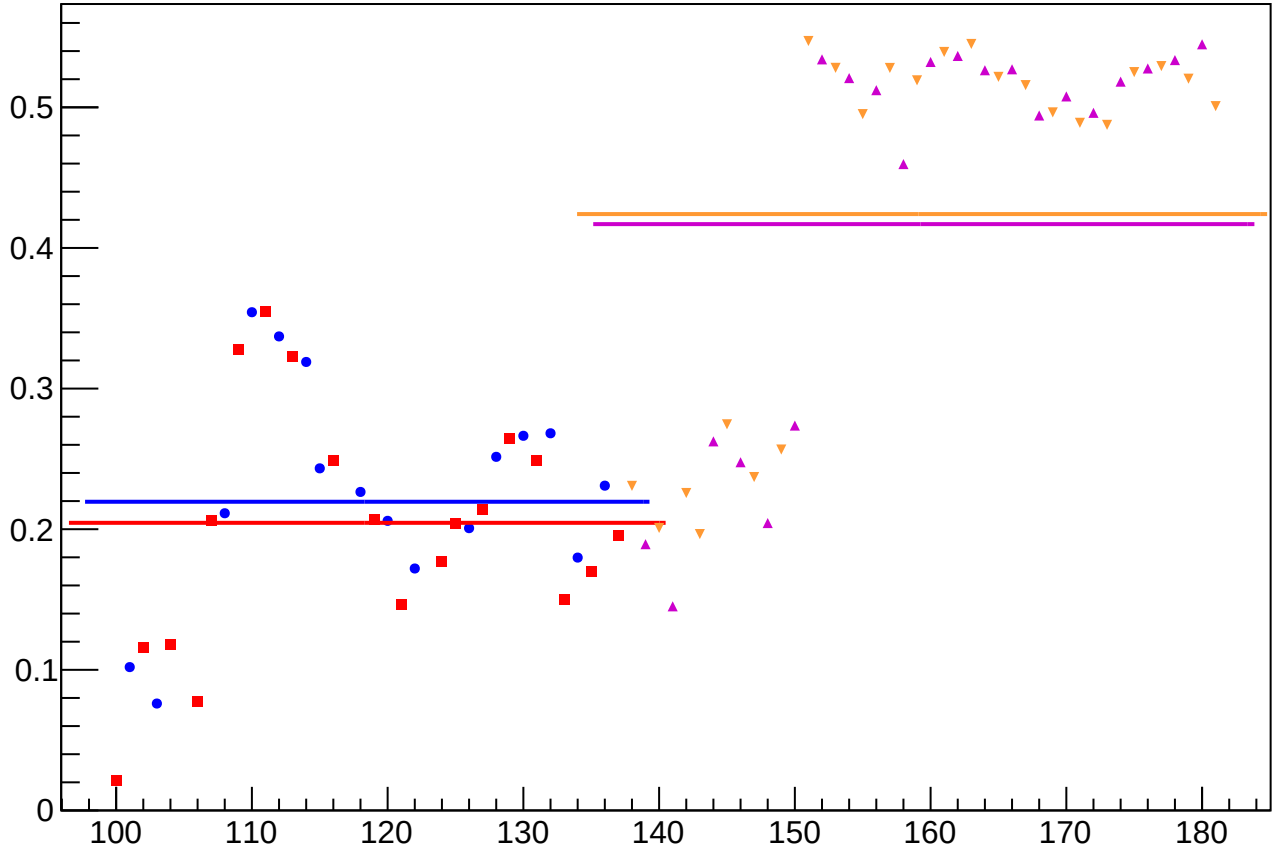
Left In: 0.004+/-0.000 χ^2/NDF:277763.7/20

+ sign 0.004+/-0.000 χ^2/NDF: 2715060.9/38

All: 0.004+/-0.000 χ^2/NDF: 5578673.7/78

- sign 0.004+/-0.000 χ^2/NDF: 2863577.4/39

yield_bpm2i01X_mean vs Slug



Right In: 0.220+/-0.000 χ^2/NDF: 16729743257.8/15

Left Out: 0.424+/-0.000 χ^2/NDF:150846301069.0/22

Right Out: 0.205+/-0.000 χ^2/NDF: 22312377506.1/18

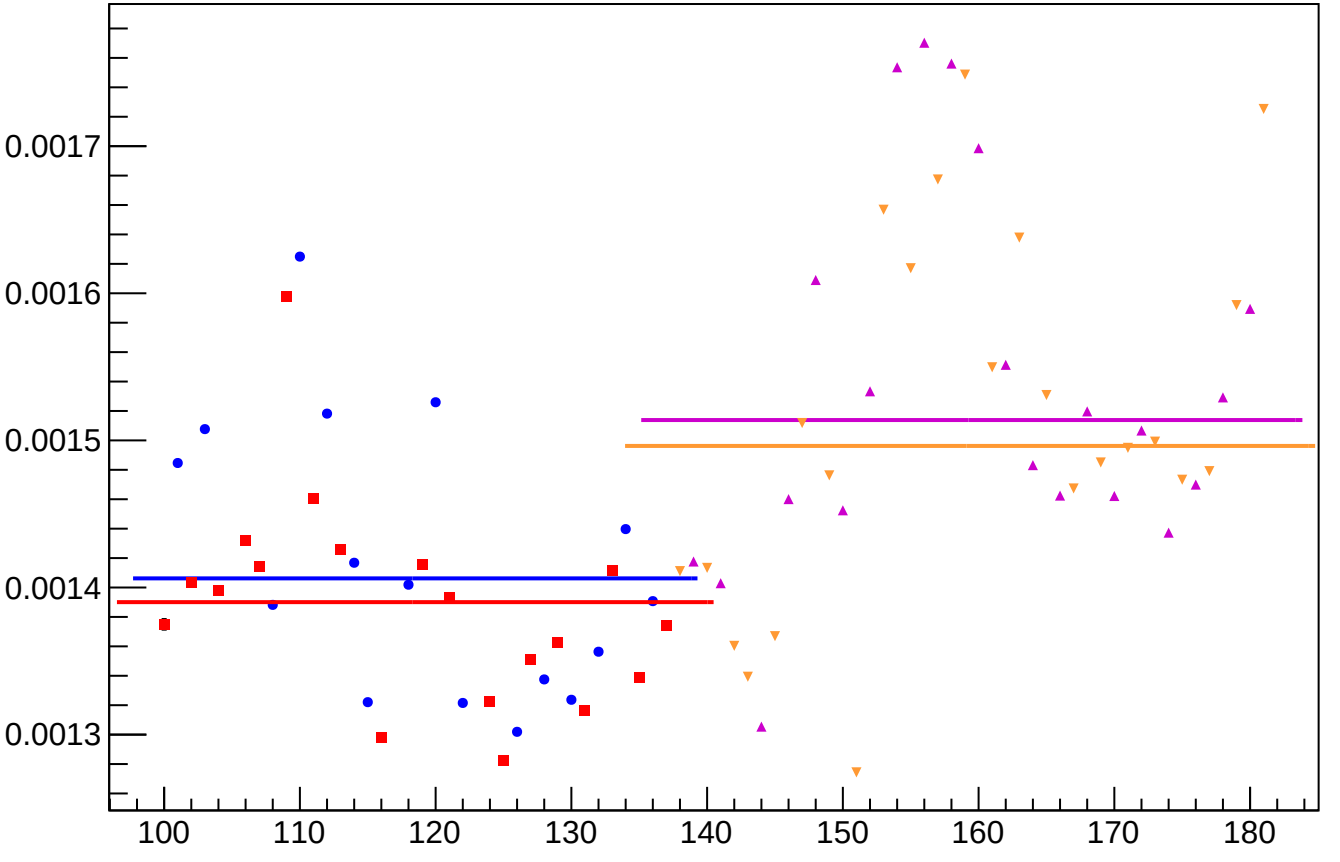
Left In: 0.417+/-0.000 χ^2/NDF:153115851744.3/20

+ sign 0.362+/-0.000 χ^2/NDF: 269853335892.6/38

All: 0.354+/-0.000 χ^2/NDF: 559990706343.1

- sign 0.345+/-0.000 χ^2/NDF: 288451643309.8/39

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:238873.9/22

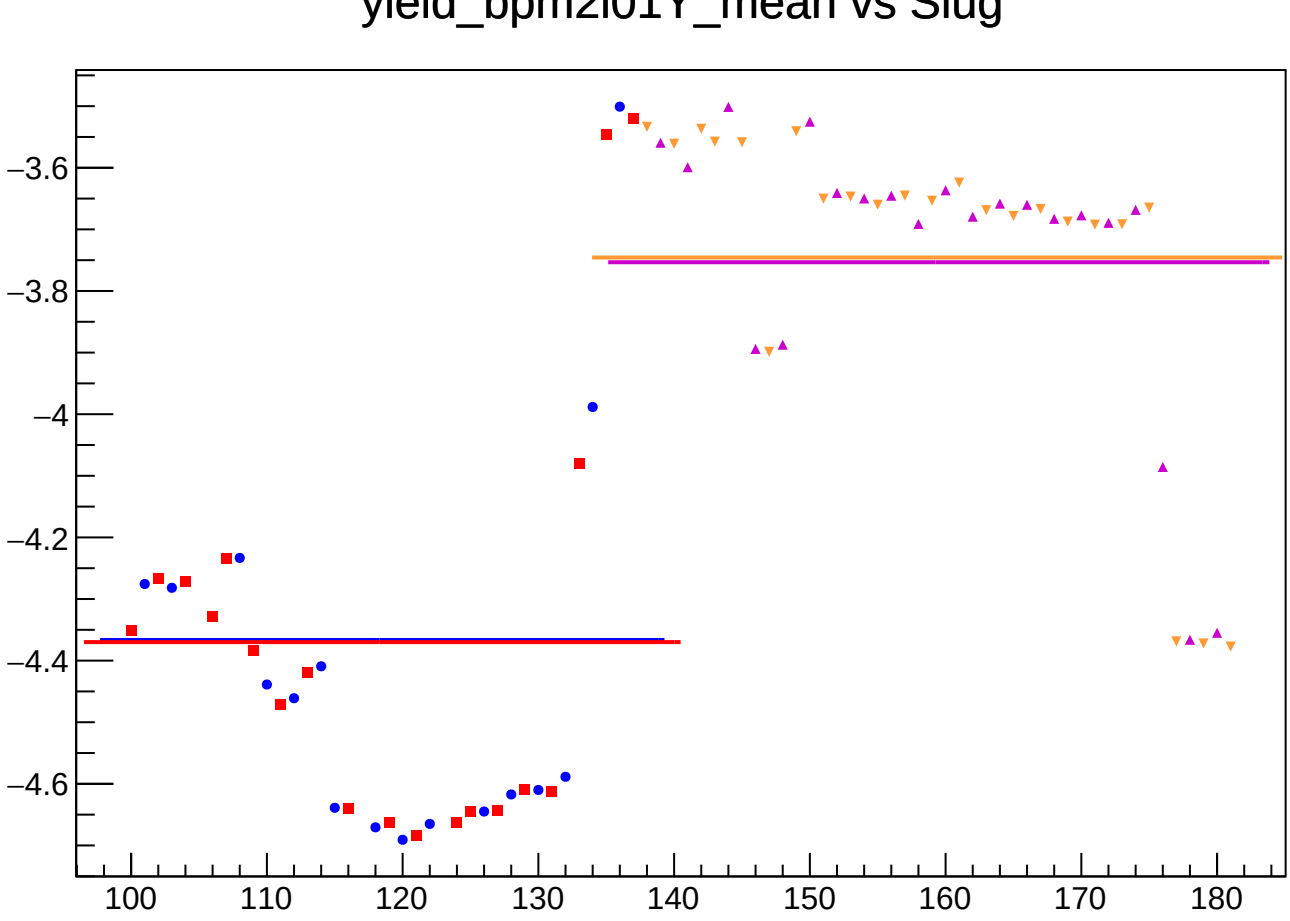
Right Out: 0.001+/-0.000 χ^2/NDF: 34786.9/18

Left In: 0.002+/-0.000 χ^2/NDF:209096.7/20

+ sign 0.001+/-0.000 χ^2/NDF: 326694.2/38

All: 0.001+/-0.000 χ^2/NDF: 647434.1/78

- sign 0.001+/-0.000 χ^2/NDF: 320646.7/39



Right In: -4.367+/-0.000 χ^2/NDF: 353013303743.6/15

Left Out: -3.746+/-0.000 χ^2/NDF:413473757367.1/22

Right Out: -4.370+/-0.000 χ^2/NDF: 296136368274.3/18

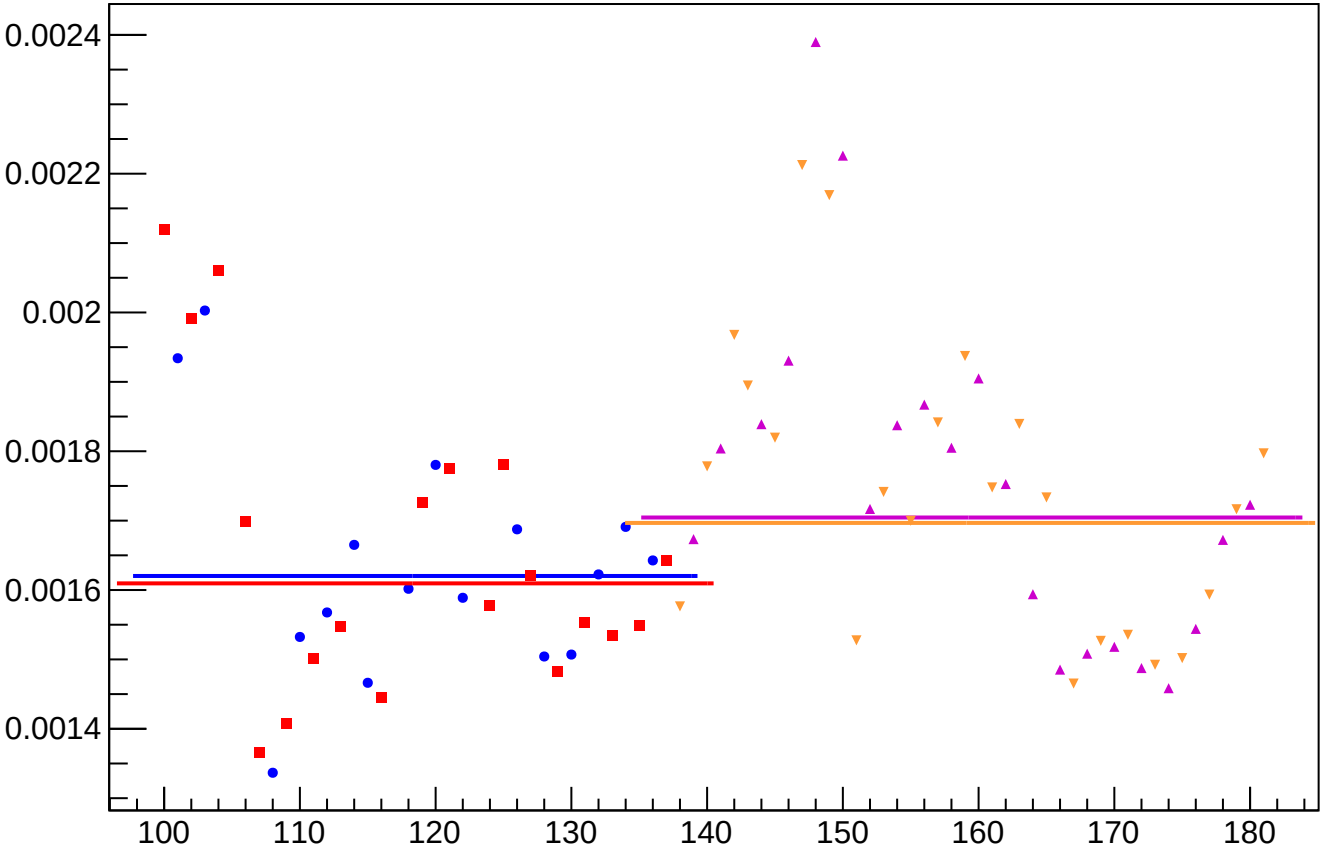
Left In: -3.753+/-0.000 χ^2/NDF:324437609056.6/20

+ sign -3.932+/-0.000 χ^2/NDF: 1473466154231.0/3

All: -3.942+/-0.000 χ^2/NDF: 2801280703574

- sign -3.954+/-0.000 χ^2/NDF: 1325717414003.0/39

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:429966.1/22

Right Out: 0.002+/-0.000 χ^2/NDF: 184968.0/18

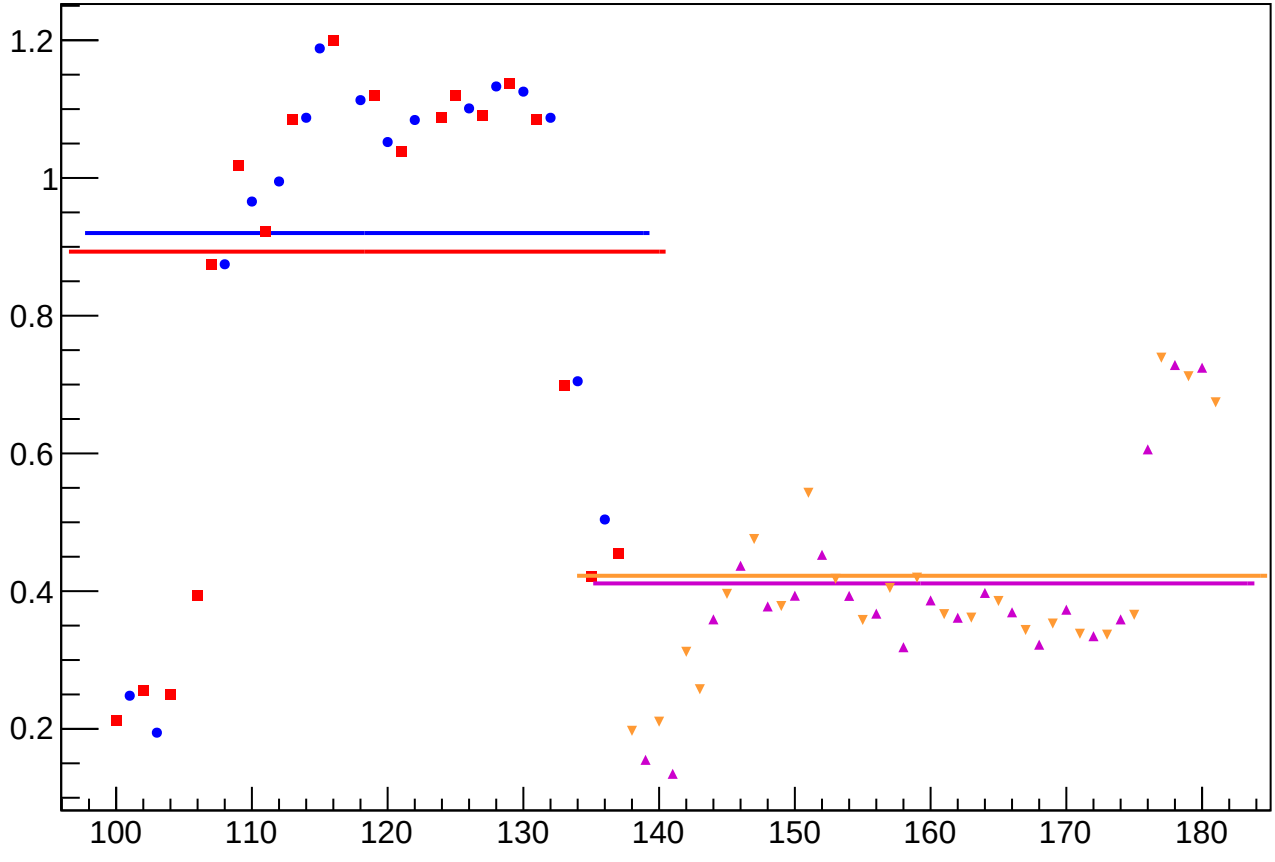
Left In: 0.002+/-0.000 χ^2/NDF:492236.7/20

+ sign 0.002+/-0.000 χ^2/NDF: 591625.7/38

All: 0.002+/-0.000 χ^2/NDF: 1302253.5/78

- sign 0.002+/-0.000 χ^2/NDF: 710627.6/39

yield_bpm2i02X_mean vs Slug



Right In: 0.920+/-0.000 χ^2/NDF: 14566431727.4/15

Left Out: 0.422+/-0.000 χ^2/NDF:7342388865.8/22

Right Out: 0.893+/-0.000 χ^2/NDF: 17642154019.1/18

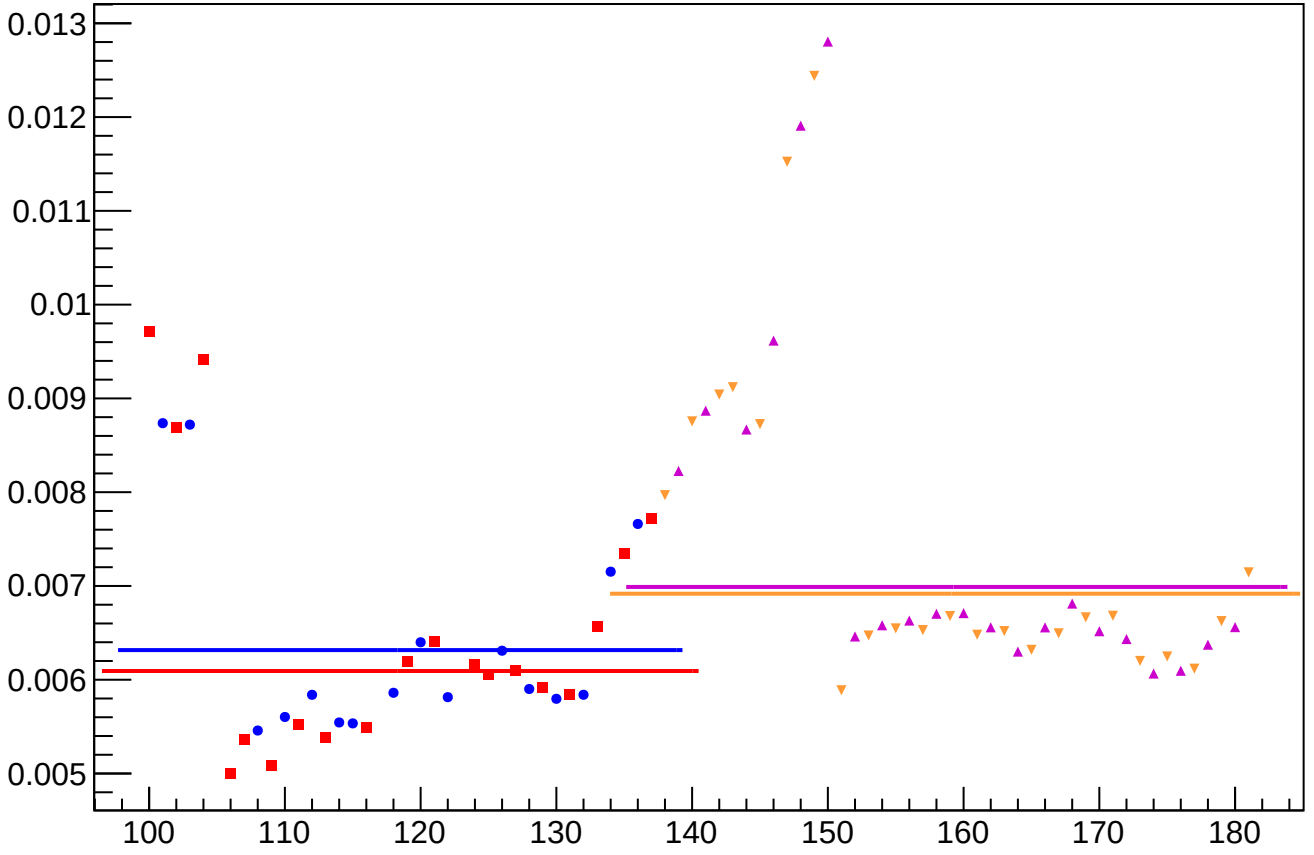
Left In: 0.411+/-0.000 χ^2/NDF:7126671050.8/20

+ sign 0.583+/-0.000 χ^2/NDF: 51396025808.4/38

All: 0.585+/-0.000 χ^2/NDF: 104955742571.1

- sign 0.587+/-0.000 χ^2/NDF: 53554748626.0/39

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:1081819.4/22

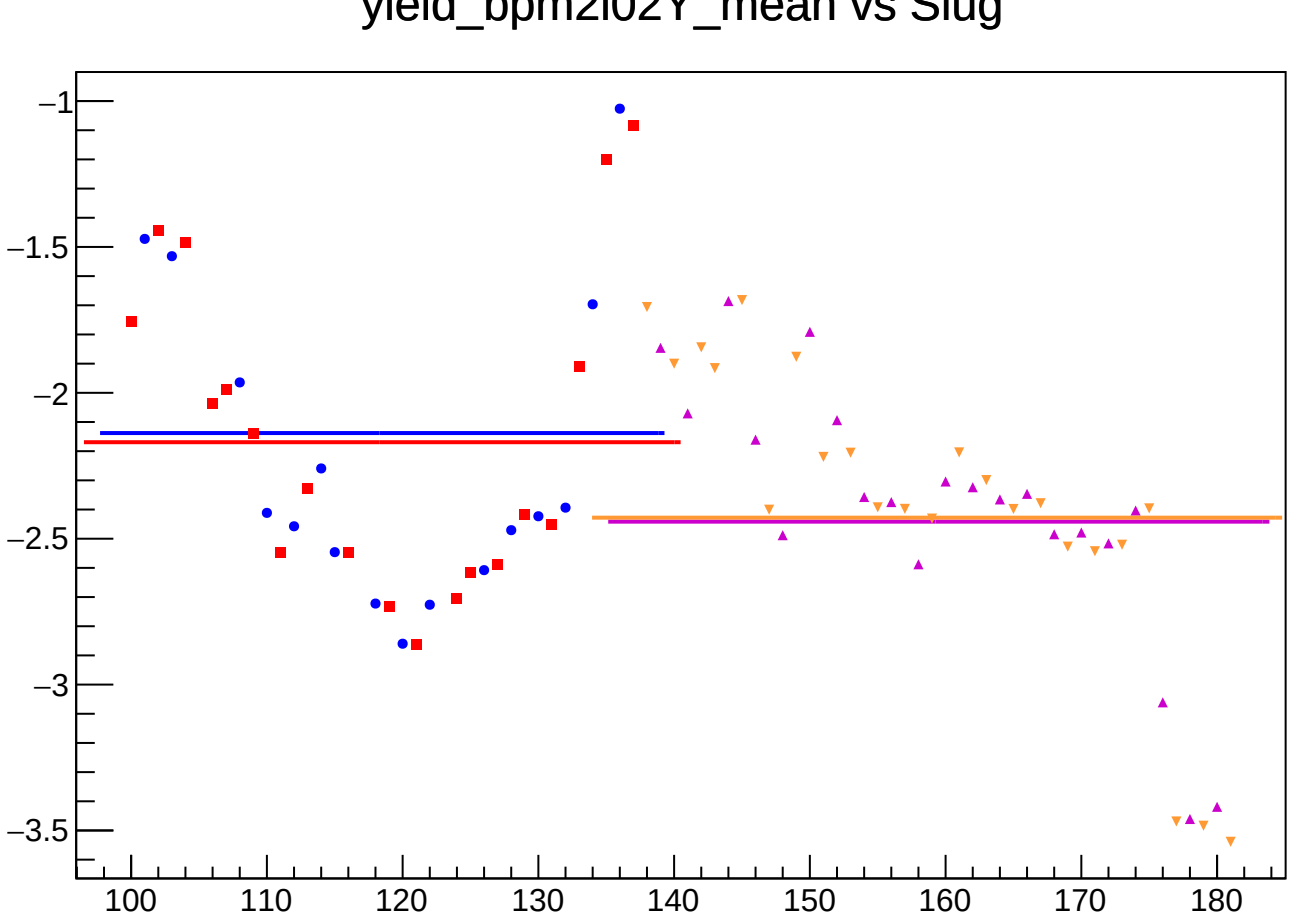
Right Out: 0.006+/-0.000 χ^2/NDF: 435933.6/18

Left In: 0.007+/-0.000 χ^2/NDF:1135760.8/20

+ sign 0.007+/-0.000 χ^2/NDF: 1503620.5/38

All: 0.007+/-0.000 χ^2/NDF: 3276615.1/78

- sign 0.007+/-0.000 χ^2/NDF: 1770971.0/39



Right In: -2.138+/-0.000 χ^2/NDF: 65666622158.4/15

Left Out: -2.428+/-0.000 χ^2/NDF:100376270616.4/22

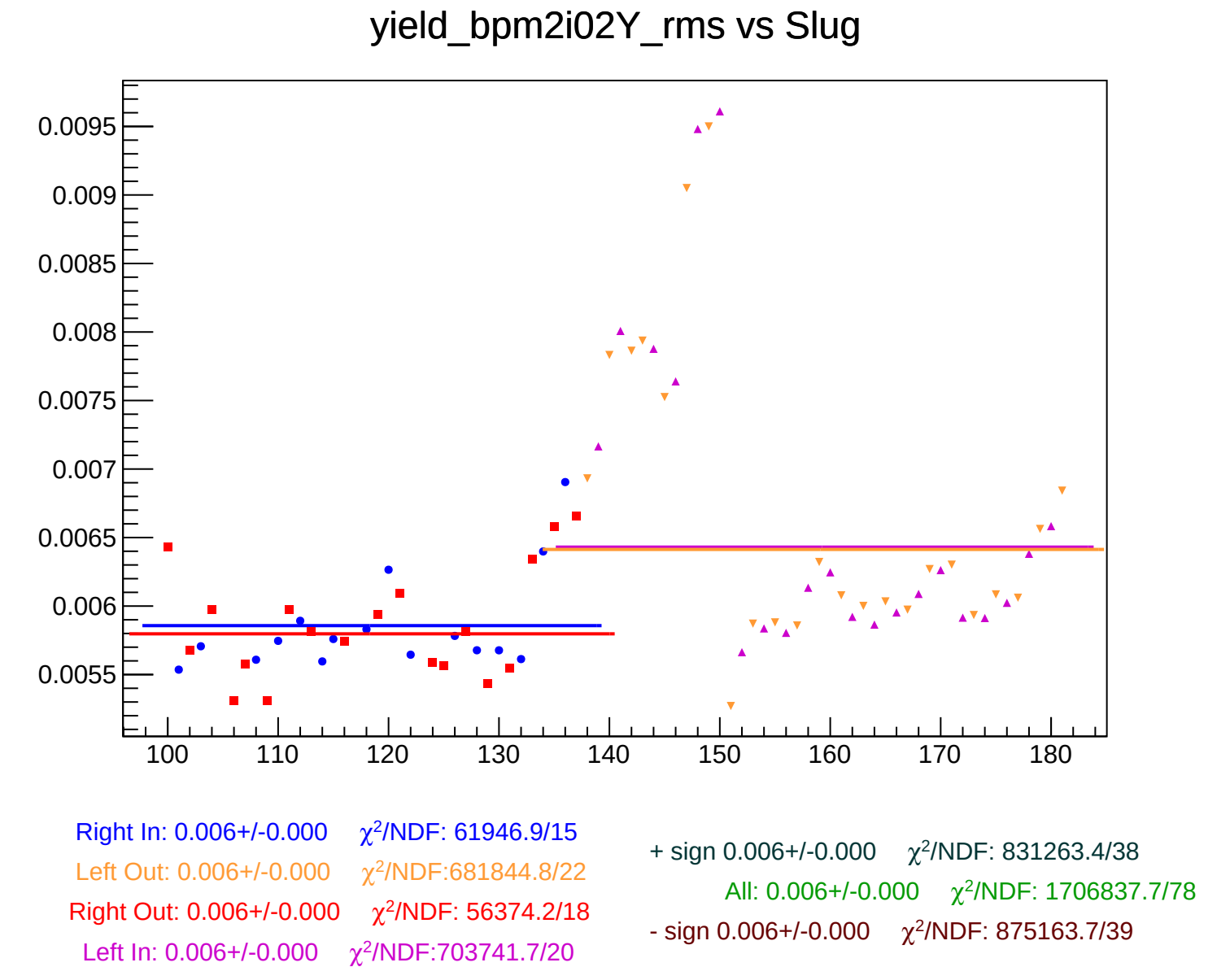
Right Out: -2.169+/-0.000 χ^2/NDF: 57409196879.6/18

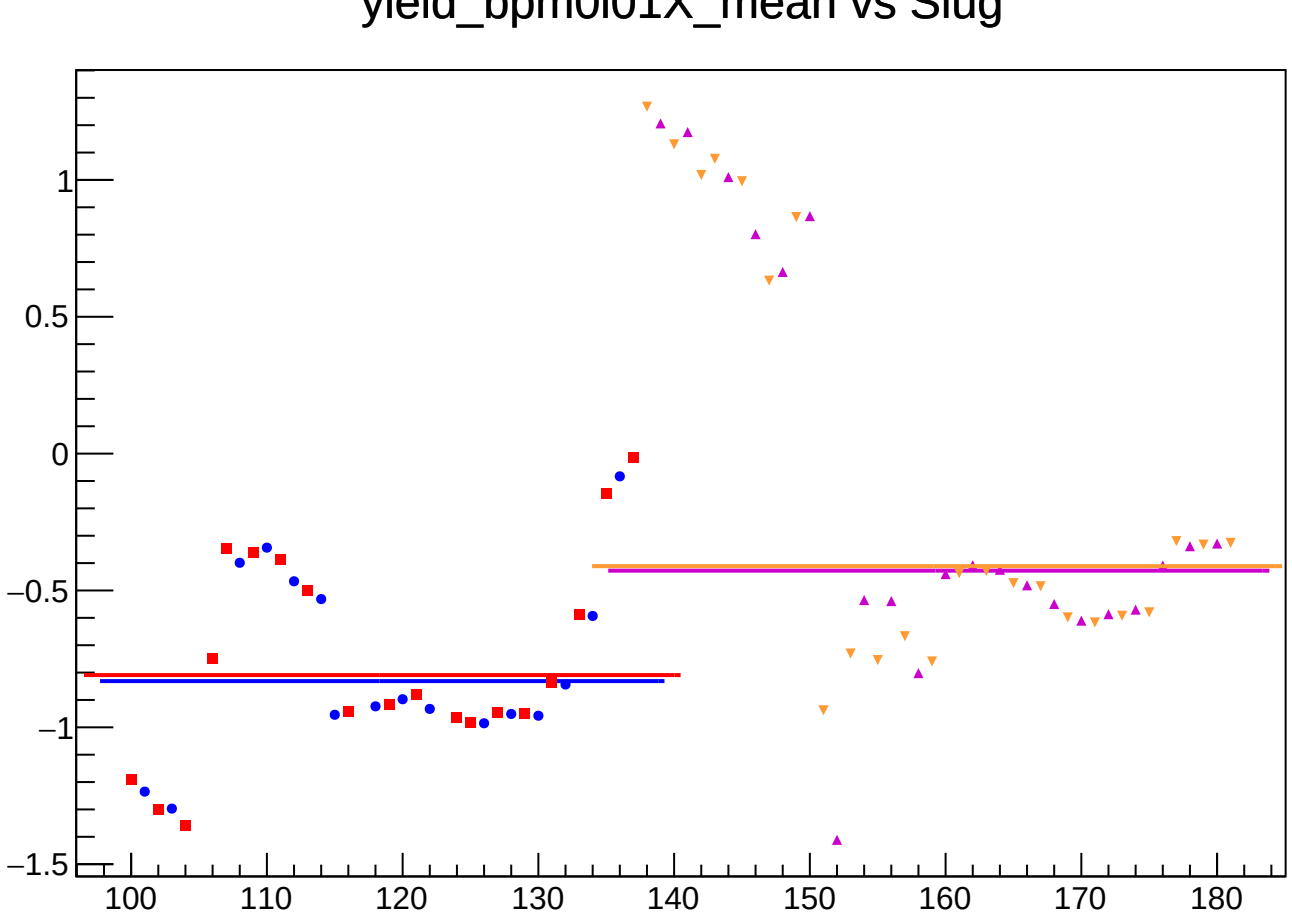
Left In: -2.442+/-0.000 χ^2/NDF:74023721311.6/20

+ sign -2.334+/-0.000 χ^2/NDF: 177941273440.3/38

All: -2.340+/-0.000 χ^2/NDF: 320068027499.8

- sign -2.346+/-0.000 χ^2/NDF: 142081370886.7/39


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:681844.8/22
Right Out: 0.006+/-0.000 χ²/NDF: 56374.2/18
Left In: 0.006+/-0.000 χ²/NDF:703741.7/20
+ sign 0.006+/-0.000 χ²/NDF: 831263.4/38
All: 0.006+/-0.000 χ²/NDF: 1706837.7/78
- sign 0.006+/-0.000 χ²/NDF: 875163.7/39



Right In: -0.831+/-0.000 χ^2/NDF: 7112259663.3/15

Left Out: -0.411+/-0.000 χ^2/NDF:81465173812.3/22

Right Out: -0.809+/-0.000 χ^2/NDF: 8146337898.7/18

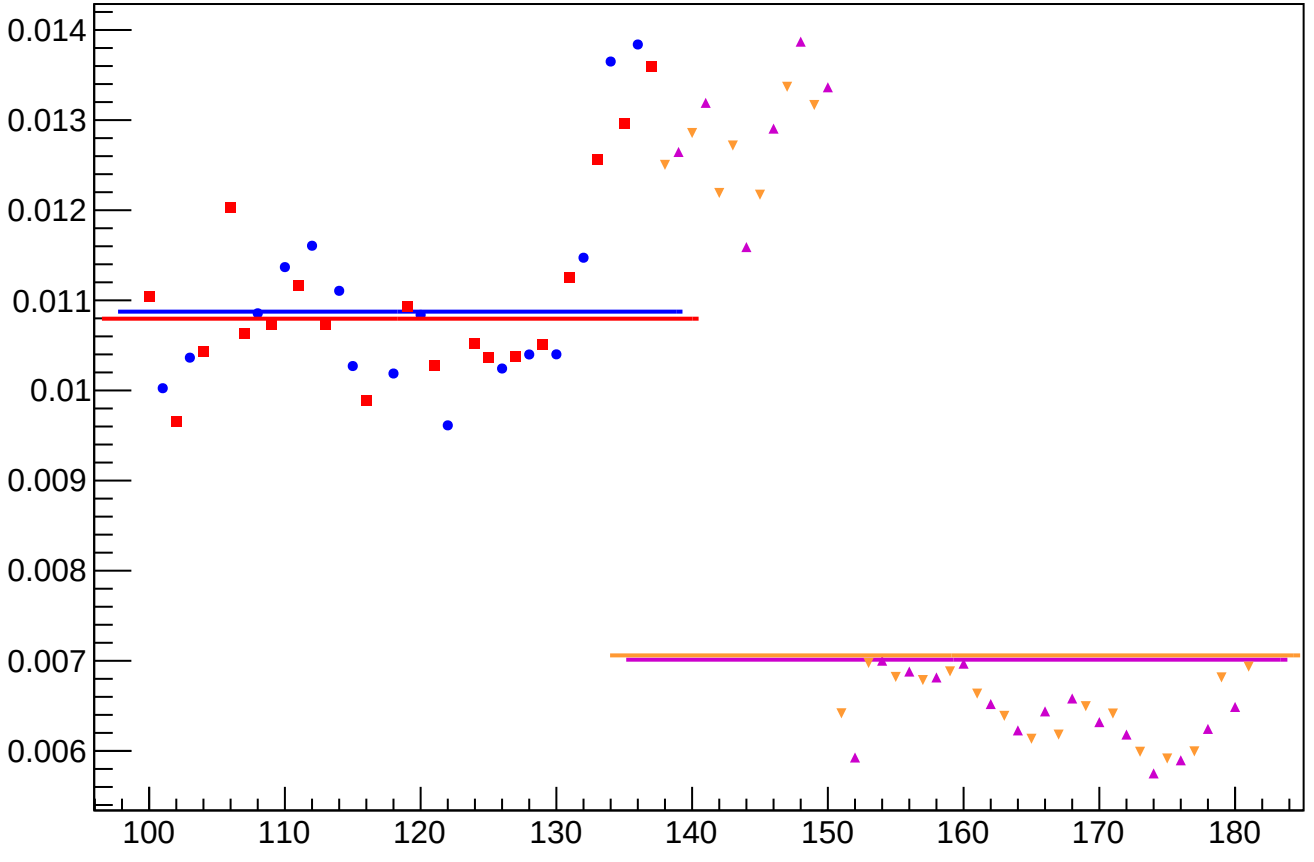
Left In: -0.428+/-0.000 χ^2/NDF:90032191506.0/20

+ sign -0.474+/-0.000 χ^2/NDF: 97489419021.1/38

All: -0.482+/-0.000 χ^2/NDF: 203270056579.3

- sign -0.490+/-0.000 χ^2/NDF: 105735464519.8/39

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:2382362.8/22

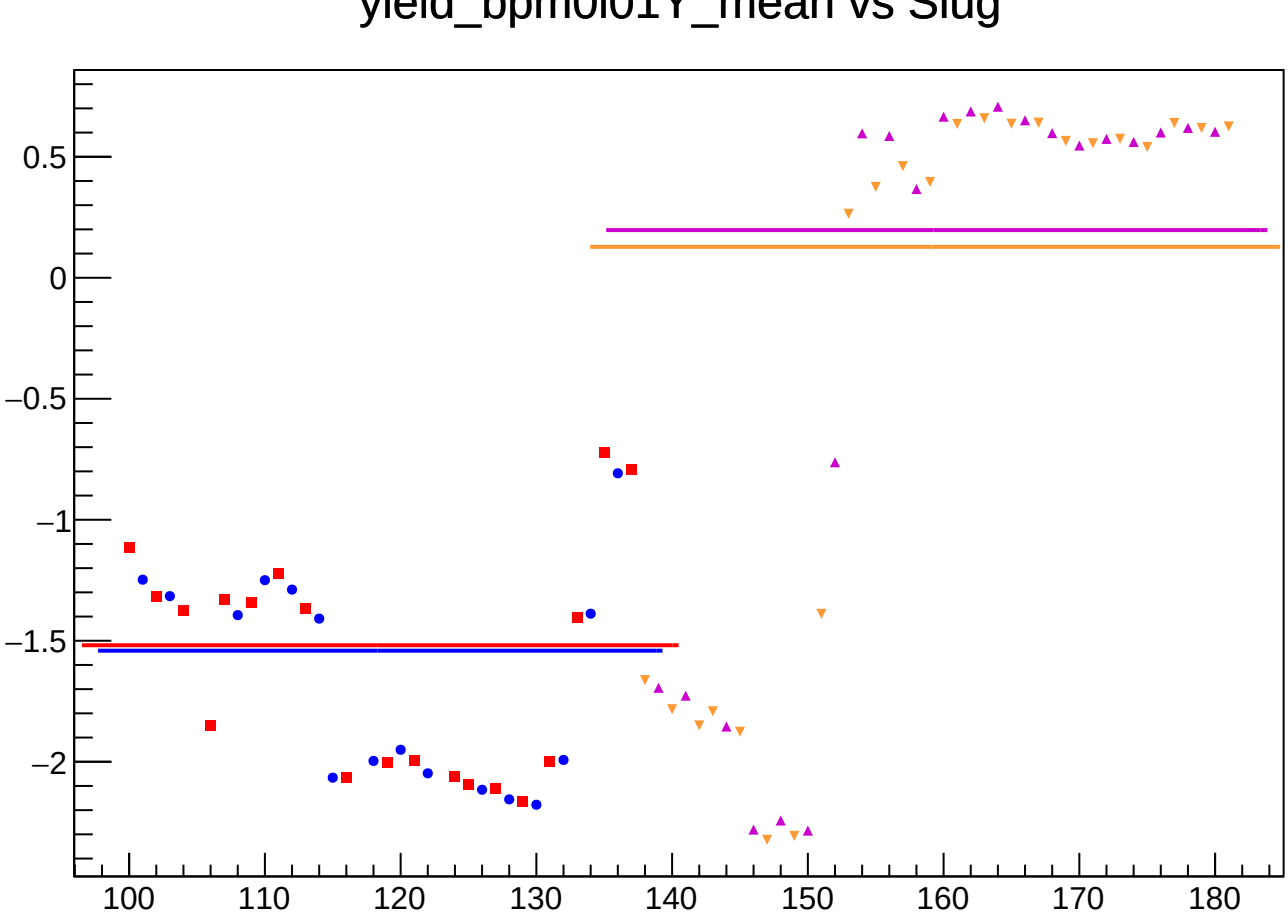
Right Out: 0.011+/-0.000 χ^2/NDF: 99122.1/18

Left In: 0.007+/-0.000 χ^2/NDF:2456236.1/20

+ sign 0.008+/-0.000 χ^2/NDF: 4010899.7/38

All: 0.008+/-0.000 χ^2/NDF: 8053239.6/78

- sign 0.008+/-0.000 χ^2/NDF: 4042323.7/39



Right In: -1.541+/-0.000 χ^2/NDF: 162409397922.2/15

Left Out: 0.128+/-0.000 χ^2/NDF:2366419442367.1/22

Right Out: -1.519+/-0.000 χ^2/NDF: 145077318641.2/18

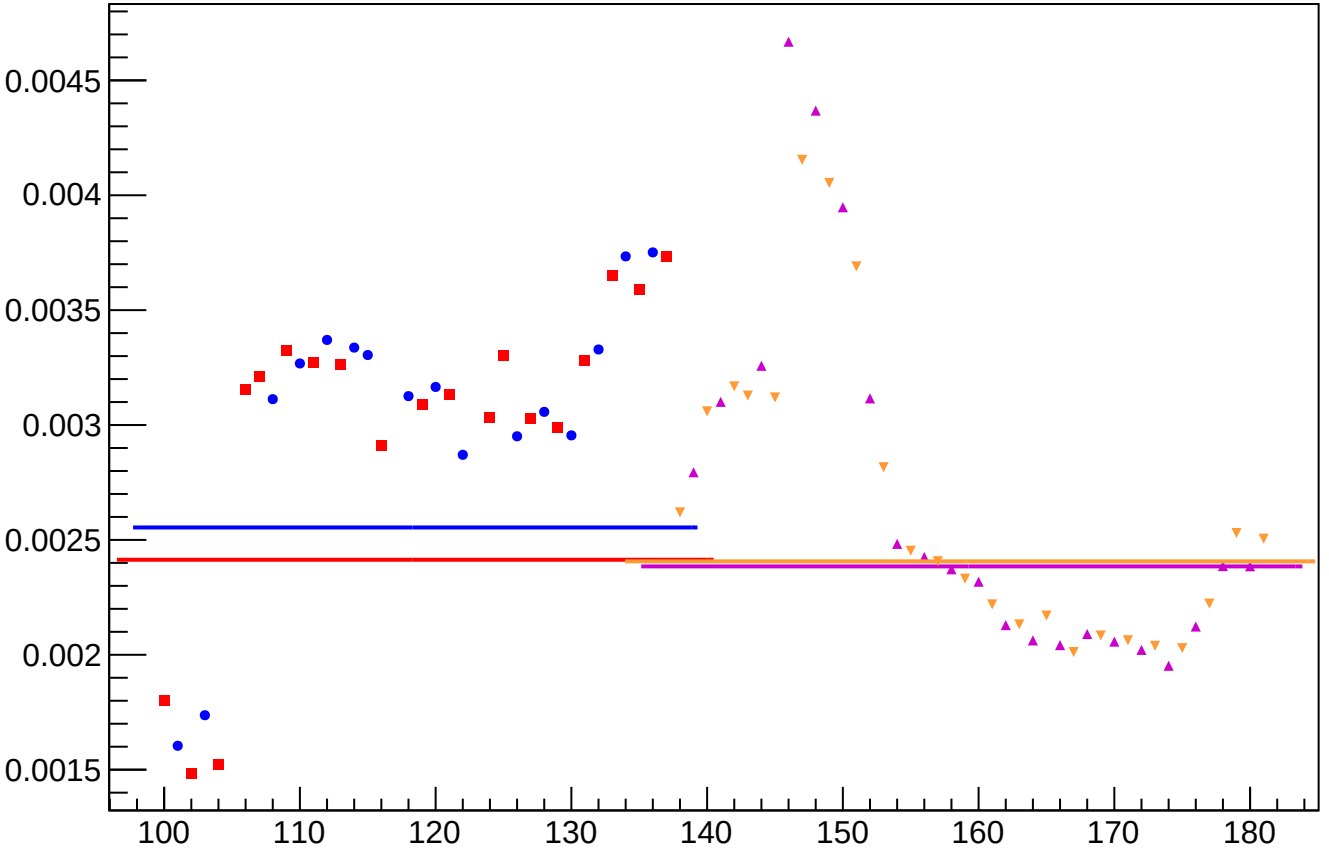
Left In: 0.197+/-0.000 χ^2/NDF:2097394673294.0/20

+ sign -0.290+/-0.000 χ^2/NDF: 4467167182805.4/3

All: -0.286+/-0.000 χ^2/NDF: 886852739261

- sign -0.281+/-0.000 χ^2/NDF: 4401214900698.3/3

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:1212396.6/22

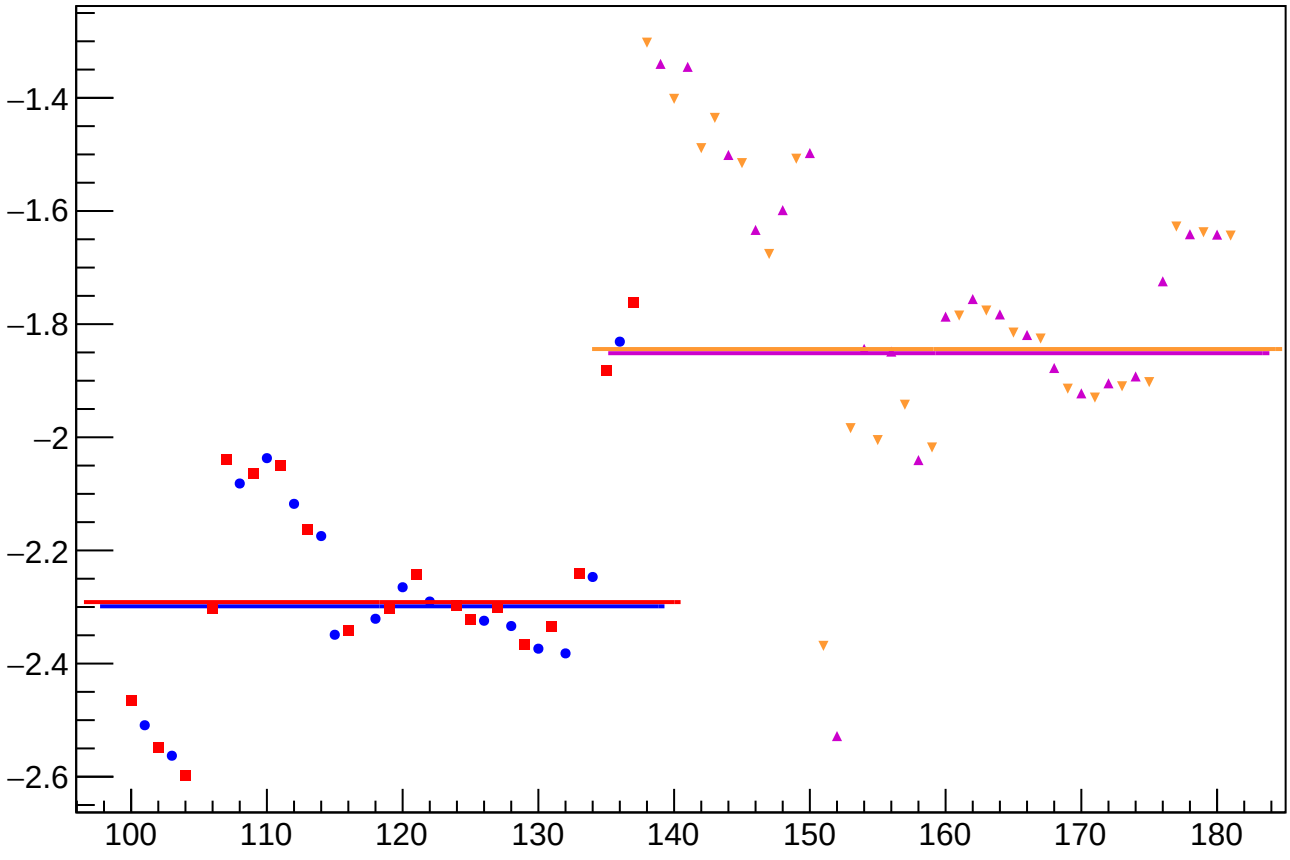
Right Out: 0.002+/-0.000 χ^2/NDF: 1546830.8/18

Left In: 0.002+/-0.000 χ^2/NDF:1399533.2/20

+ sign 0.002+/-0.000 χ^2/NDF: 2415087.1/38

All: 0.002+/-0.000 χ^2/NDF: 5372189.0/78

- sign 0.002+/-0.000 χ^2/NDF: 2947593.5/39



Right In: -2.299+/-0.000 χ^2/NDF: 6129071089.8/15

Left Out: -1.844+/-0.000 χ^2/NDF:36103086339.0/22

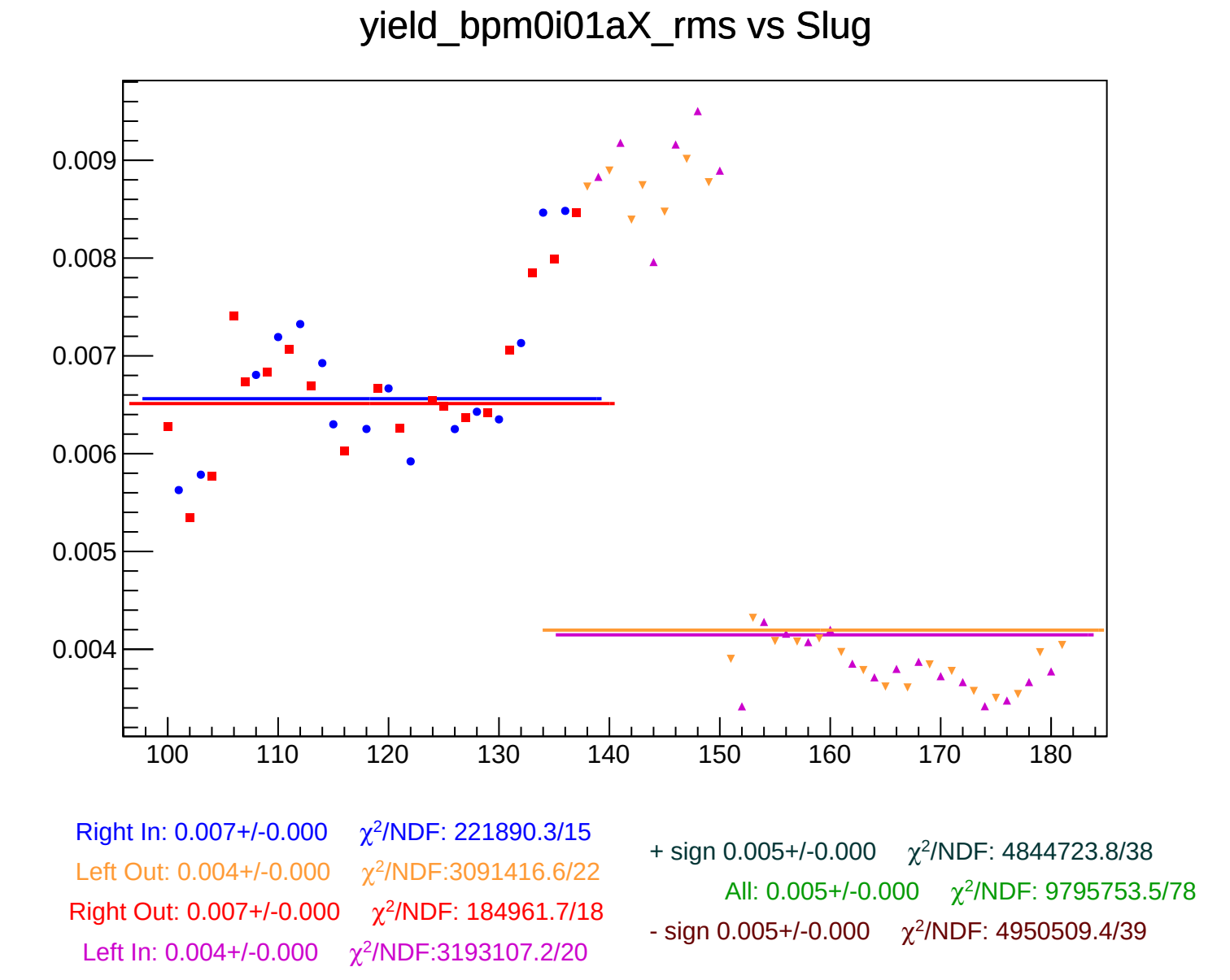
Right Out: -2.291+/-0.000 χ^2/NDF: 6831007568.9/18

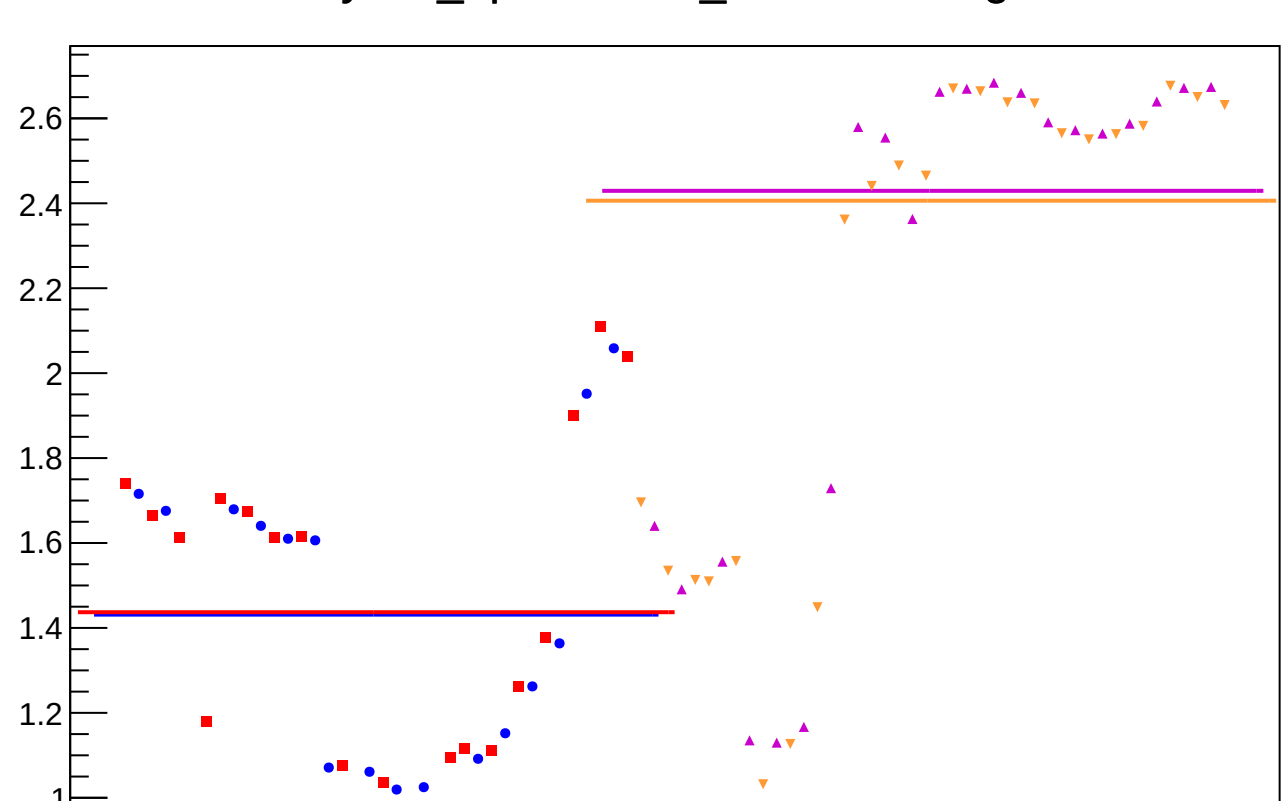
Left In: -1.851+/-0.000 χ^2/NDF:50987368853.5/20

+ sign -1.912+/-0.000 χ^2/NDF: 70520396585.8/38

All: -1.917+/-0.000 χ^2/NDF: 155603419670.5

- sign -1.922+/-0.000 χ^2/NDF: 85028879090.0/39


yield_bpm0i01aX_rms vs Slug
0.009
0.008
0.007
0.006
0.005
0.004
100
110
120
130
140
150
160
170
180
Right In: 0.007+/-0.000 χ²/NDF: 221890.3/15
Left Out: 0.004+/-0.000 χ²/NDF:3091416.6/22
Right Out: 0.007+/-0.000 χ²/NDF: 184961.7/18
Left In: 0.004+/-0.000 χ²/NDF:3193107.2/20
+ sign 0.005+/-0.000 χ²/NDF: 4844723.8/38
All: 0.005+/-0.000 χ²/NDF: 9795753.5/78
- sign 0.005+/-0.000 χ²/NDF: 4950509.4/39



Right In: 1.431+/-0.000 χ^2/NDF: 189180734956.1/15

Left Out: 2.406+/-0.000 χ^2/NDF:239696909206.6/22

Right Out: 1.437+/-0.000 χ^2/NDF: 182019221175.5/18

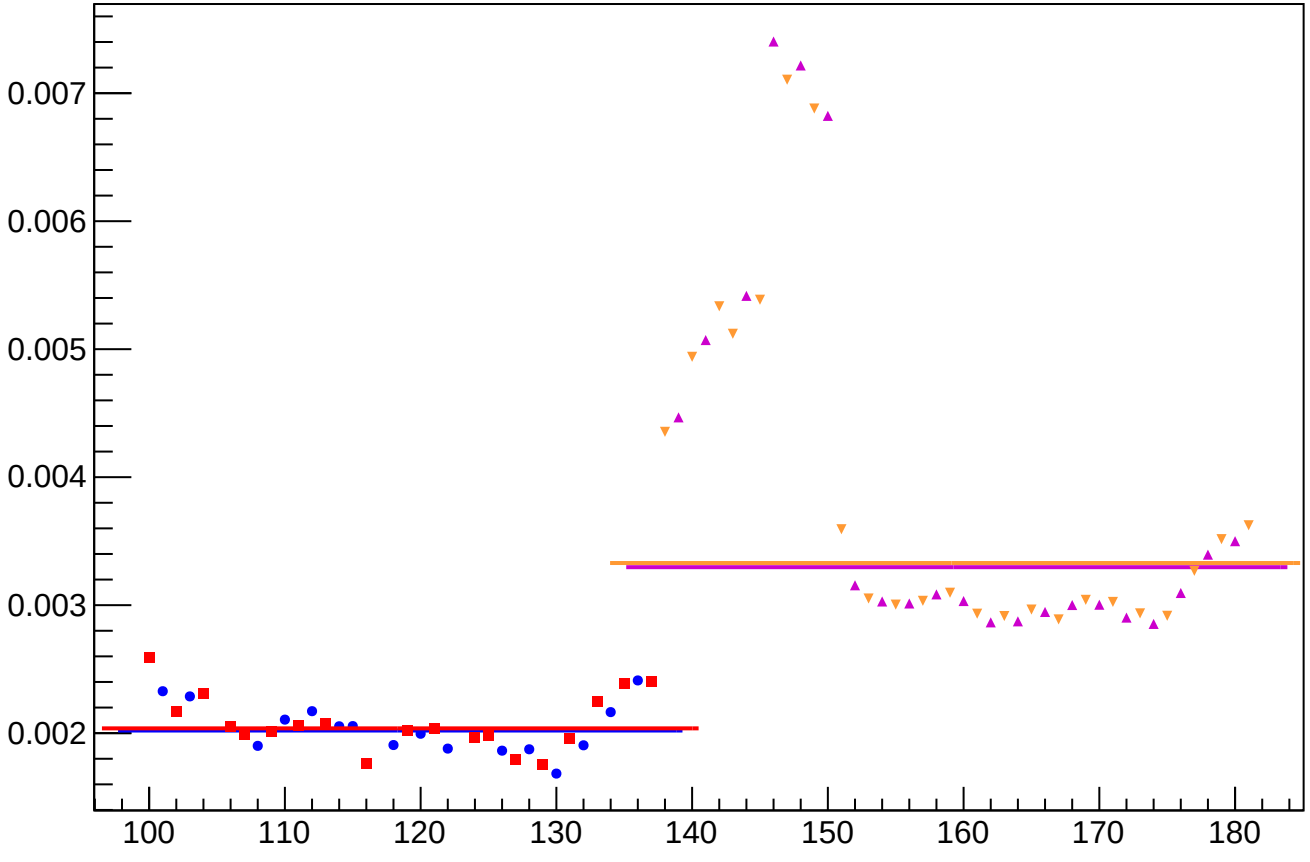
Left In: 2.429+/-0.000 χ^2/NDF:228243905245.6/20

+ sign 1.896+/-0.000 χ^2/NDF: 1165699455254.6/38

All: 1.896+/-0.000 χ^2/NDF: 2319336721315.

- sign 1.896+/-0.000 χ^2/NDF: 1153637258640.6/39

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:1784625.1/22

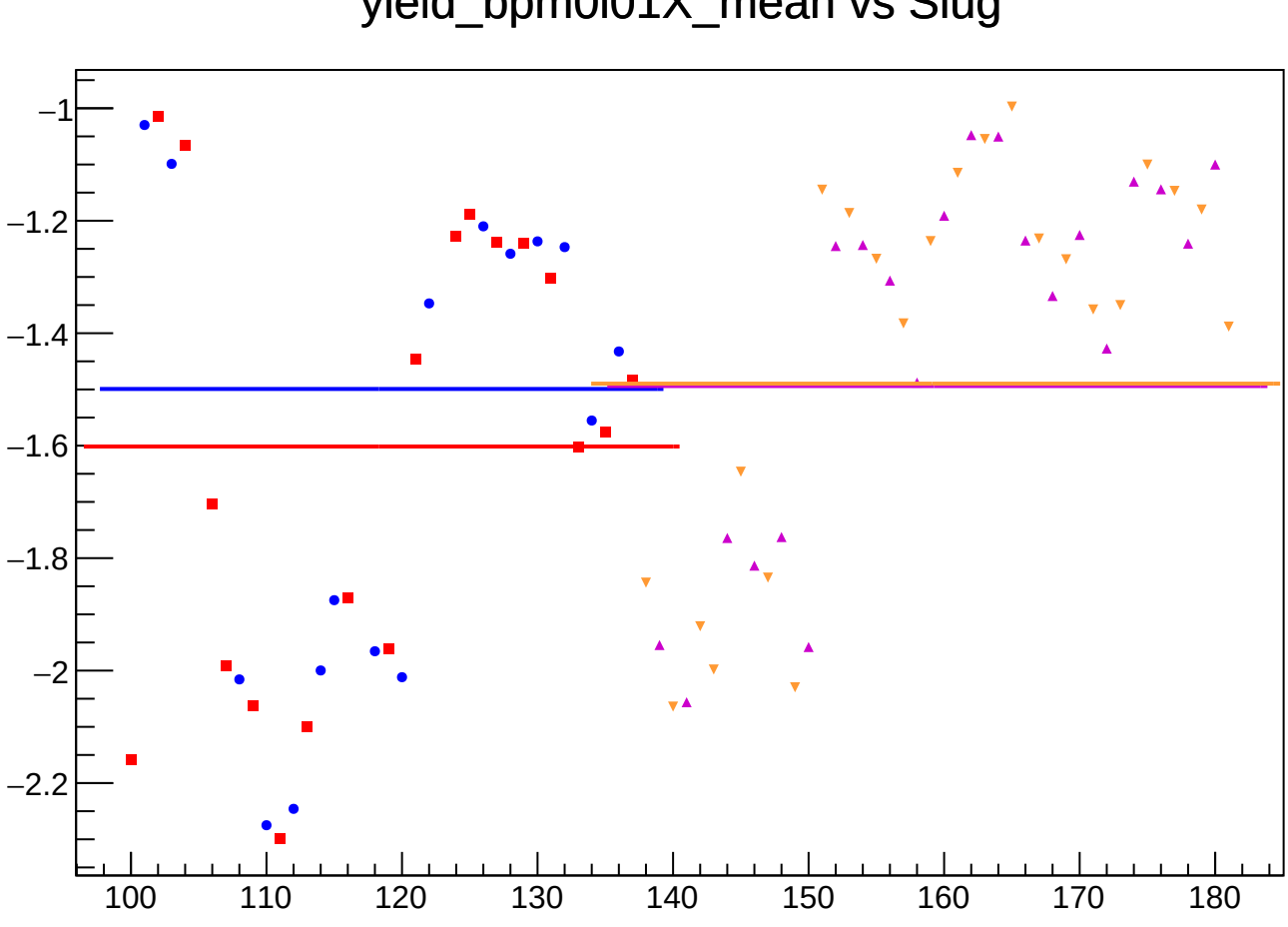
Right Out: 0.002+/-0.000 χ^2/NDF: 113640.4/18

Left In: 0.003+/-0.000 χ^2/NDF:2025766.0/20

+ sign 0.003+/-0.000 χ^2/NDF: 4596179.9/38

All: 0.003+/-0.000 χ^2/NDF: 9132061.4/78

- sign 0.003+/-0.000 χ^2/NDF: 4534018.4/39



Right In: -1.499+/-0.000 χ^2/NDF: 22930357522.2/15

Left Out: -1.490+/-0.000 χ^2/NDF:48097894483.5/22

Right Out: -1.601+/-0.000 χ^2/NDF: 28324914147.6/18

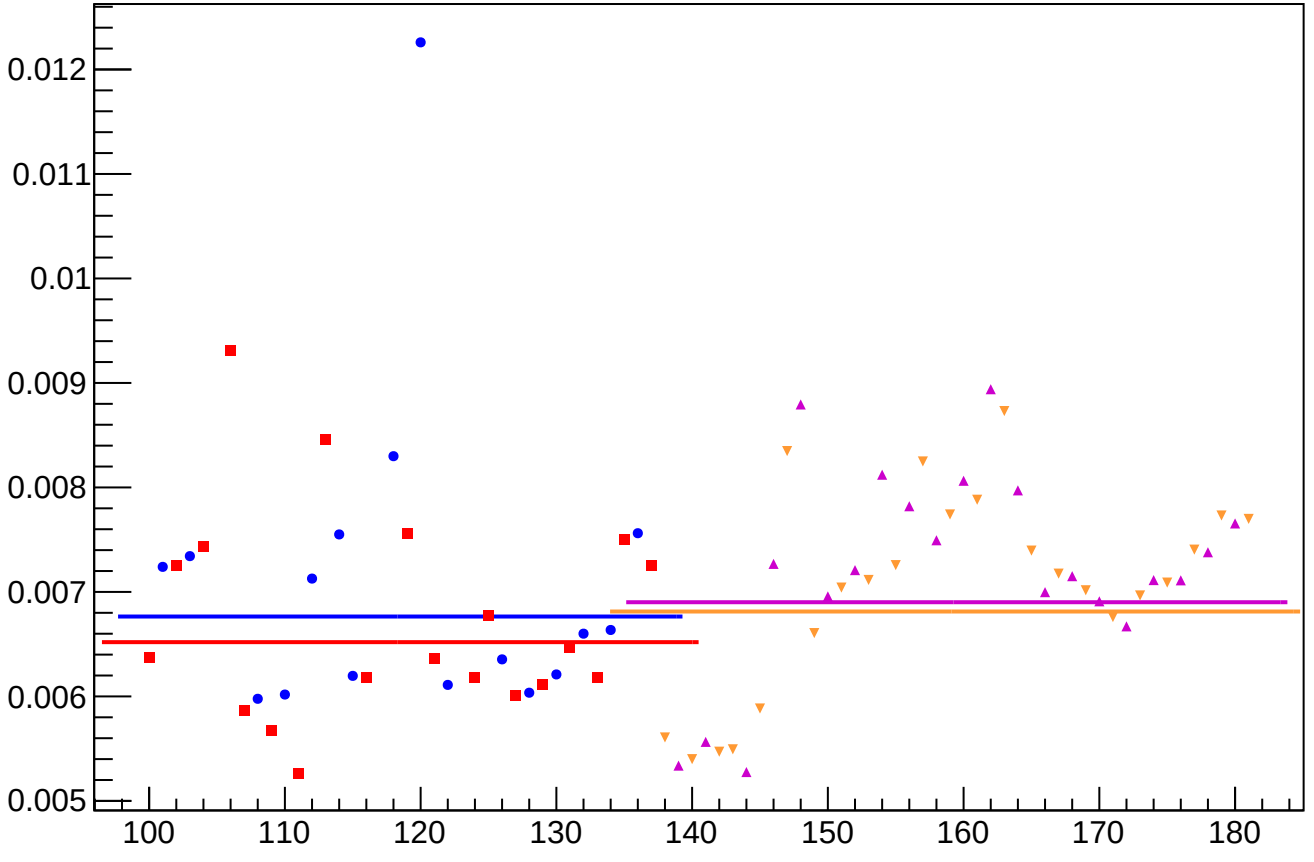
Left In: -1.494+/-0.000 χ^2/NDF:39484204312.8/20

+ sign -1.492+/-0.000 χ^2/NDF: 71037437047.3/38

All: -1.510+/-0.000 χ^2/NDF: 140449939745.4

- sign -1.529+/-0.000 χ^2/NDF: 69073123772.3/39

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:667331.1/22

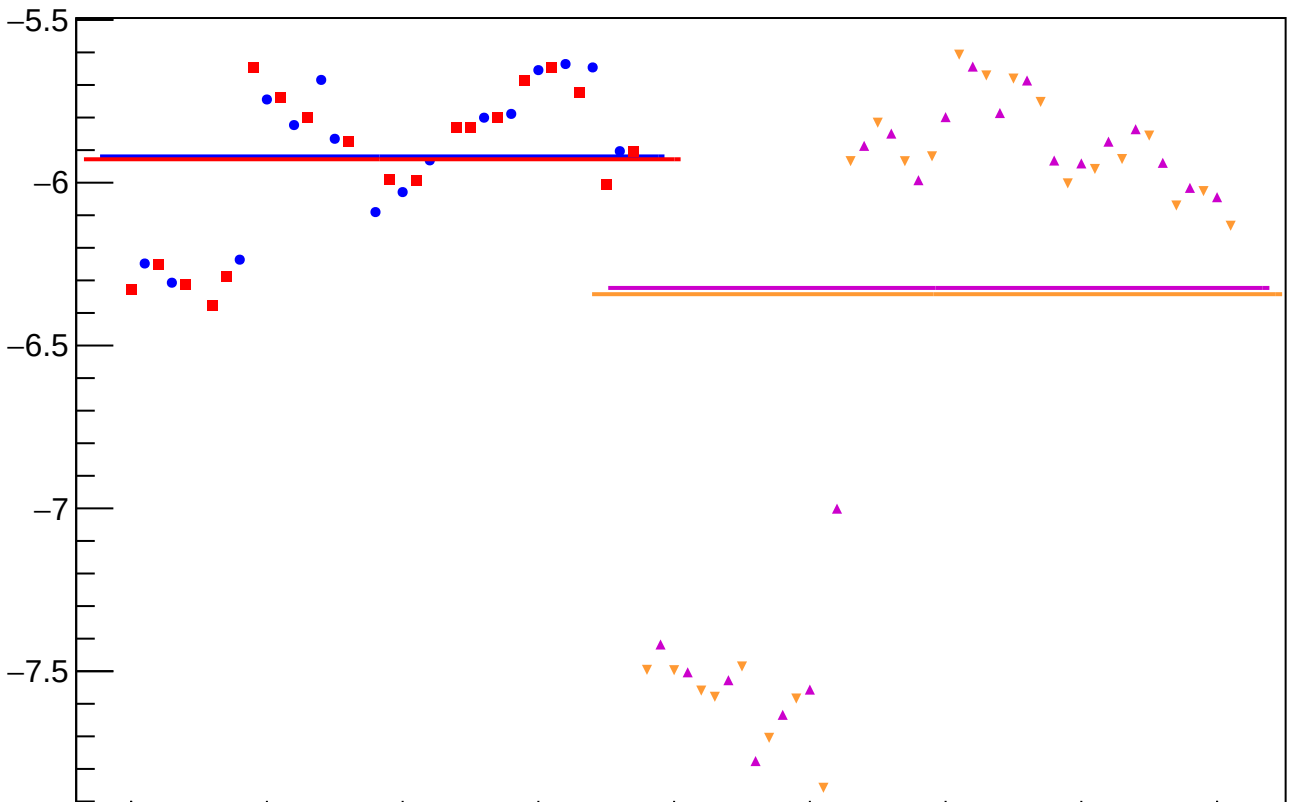
Right Out: 0.007+/-0.000 χ^2/NDF: 245428.1/18

Left In: 0.007+/-0.000 χ^2/NDF:710341.0/20

+ sign 0.007+/-0.000 χ^2/NDF: 906368.9/38

All: 0.007+/-0.000 χ^2/NDF: 1894339.3/78

- sign 0.007+/-0.000 χ^2/NDF: 987720.5/39



Right In: -5.919+/-0.000 χ^2/NDF: 11742457053.3/15

Left Out: -6.342+/-0.000 χ^2/NDF:109300172723.9/22

Right Out: -5.928+/-0.000 χ^2/NDF: 12641528579.2/18

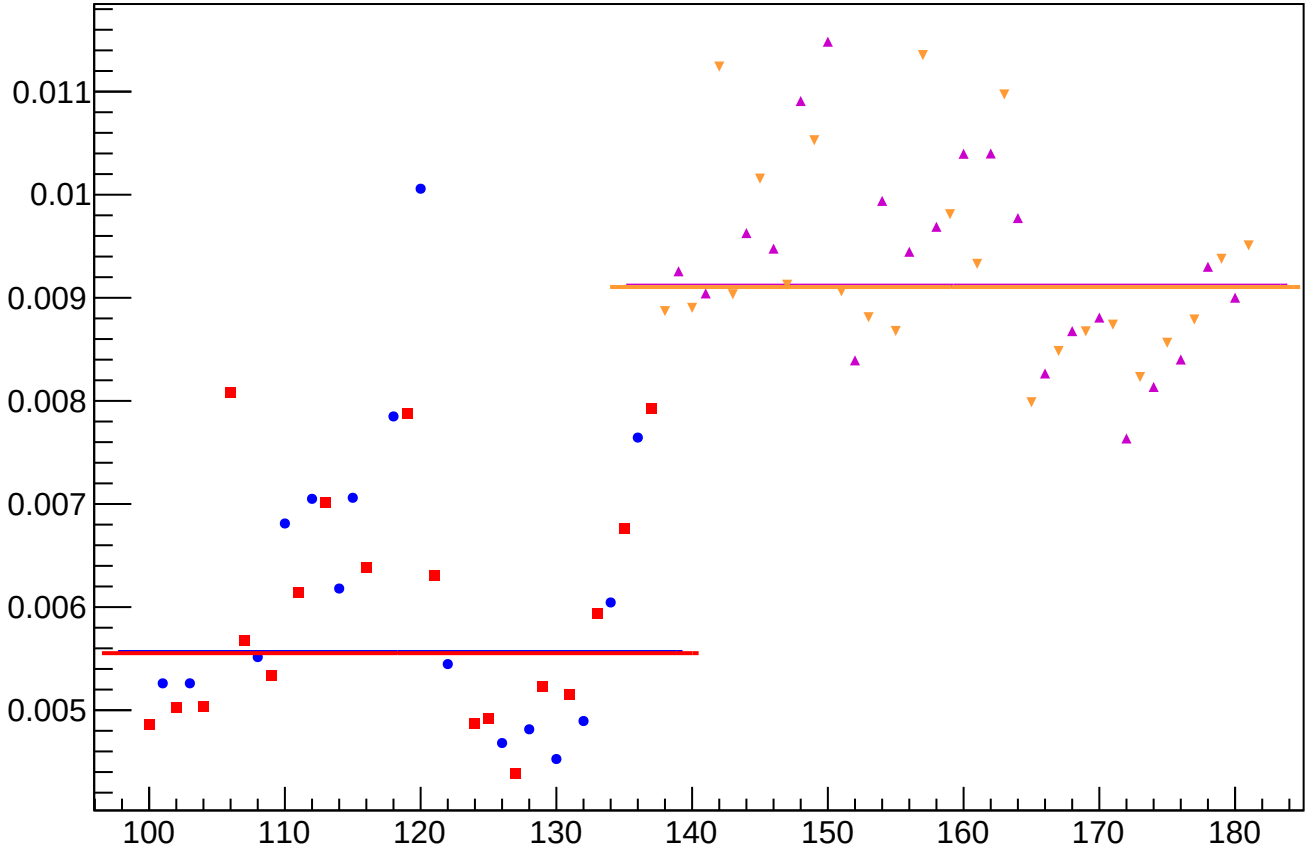
Left In: -6.323+/-0.000 χ^2/NDF:91010361643.8/20

+ sign -6.124+/-0.000 χ^2/NDF: 138191007399.6/38

All: -6.116+/-0.000 χ^2/NDF: 256796032743.1

- sign -6.107+/-0.000 χ^2/NDF: 118550300283.3/39

yield_bpm0l01Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 495546.3/15

Left Out: 0.009+/-0.000 χ^2/NDF:232775.6/22

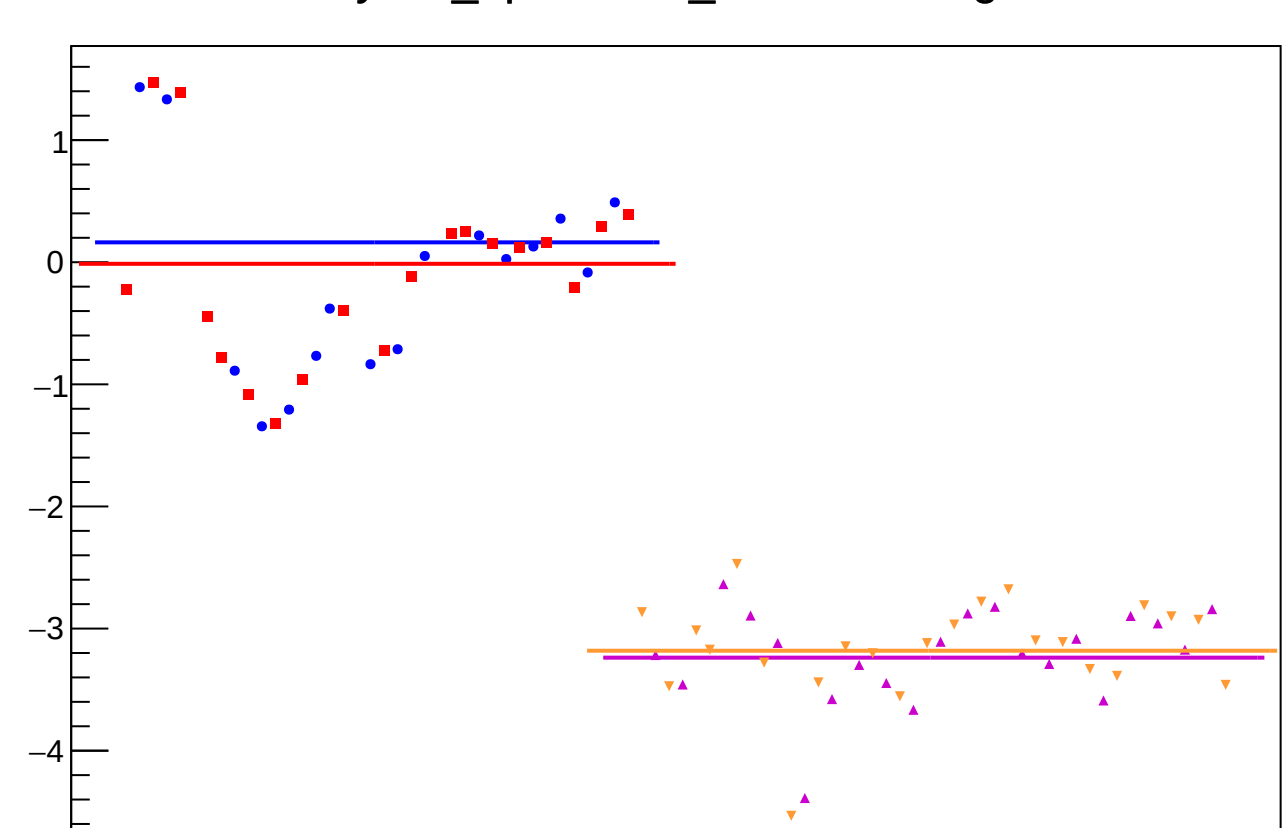
Right Out: 0.006+/-0.000 χ^2/NDF: 364541.1/18

Left In: 0.009+/-0.000 χ^2/NDF:284581.0/20

+ sign 0.007+/-0.000 χ^2/NDF: 3131254.4/38

All: 0.007+/-0.000 χ^2/NDF: 6211238.2/78

- sign 0.007+/-0.000 χ^2/NDF: 3075468.4/39



Right In: 0.163+/-0.000 χ^2/NDF: 17940034444.3/15

Left Out: -3.181+/-0.000 χ^2/NDF:9286470051.5/22

Right Out: -0.013+/-0.000 χ^2/NDF: 22484002798.8/18

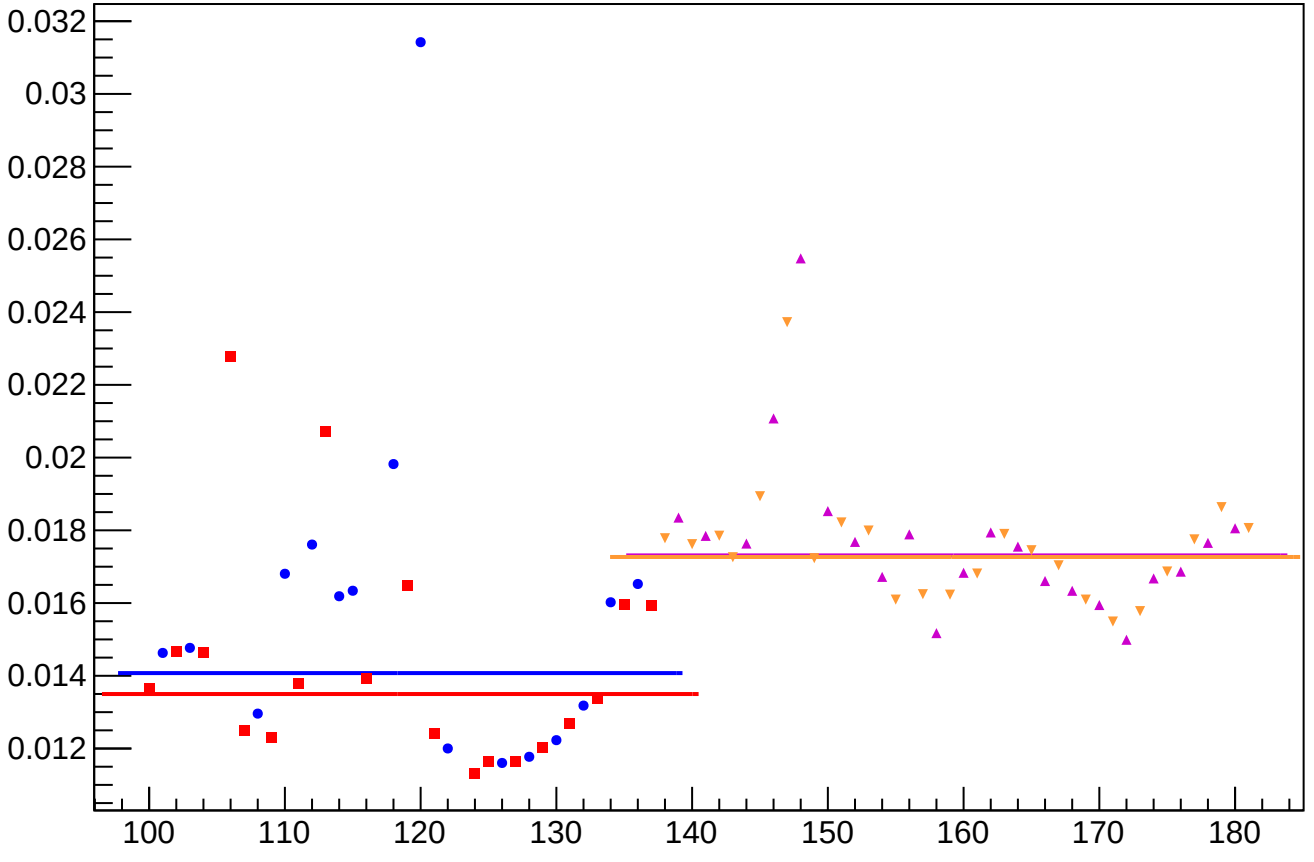
Left In: -3.238+/-0.000 χ^2/NDF:7899717022.7/20

+ sign -2.007+/-0.000 χ^2/NDF: 258237841345.2/38

All: -1.971+/-0.000 χ^2/NDF: 519481147929.

- sign -1.936+/-0.000 χ^2/NDF: 261012047784.1/39

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:214708.2/22

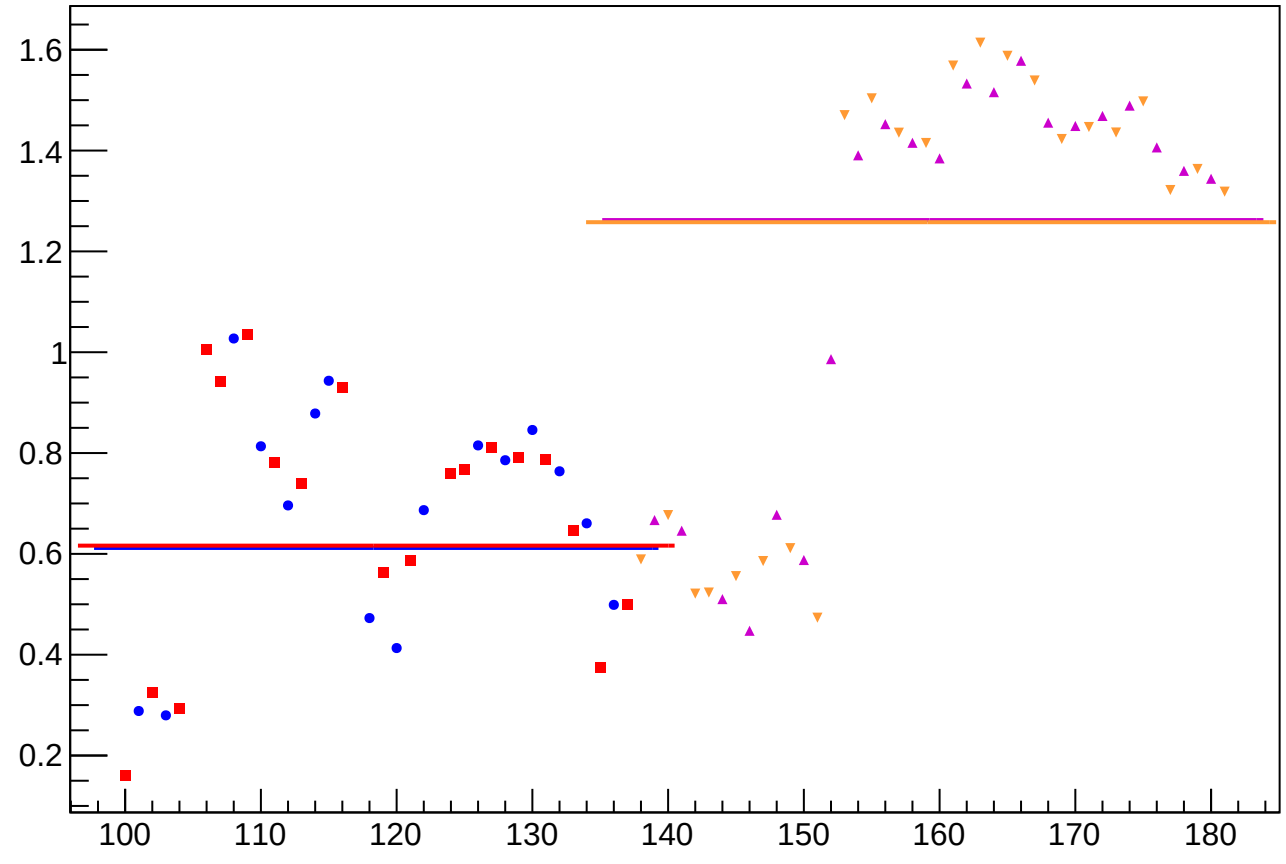
Right Out: 0.013+/-0.000 χ^2/NDF: 314810.3/18

Left In: 0.017+/-0.000 χ^2/NDF:326956.5/20

+ sign 0.016+/-0.000 χ^2/NDF: 1101285.0/38

All: 0.016+/-0.000 χ^2/NDF: 2400237.4/78

- sign 0.016+/-0.000 χ^2/NDF: 1286137.7/39



Right In: 0.612+/-0.000 χ^2/NDF: 5639014502.0/15

Left Out: 1.258+/-0.000 χ^2/NDF:45291185760.1/22

Right Out: 0.616+/-0.000 χ^2/NDF: 6419512040.7/18

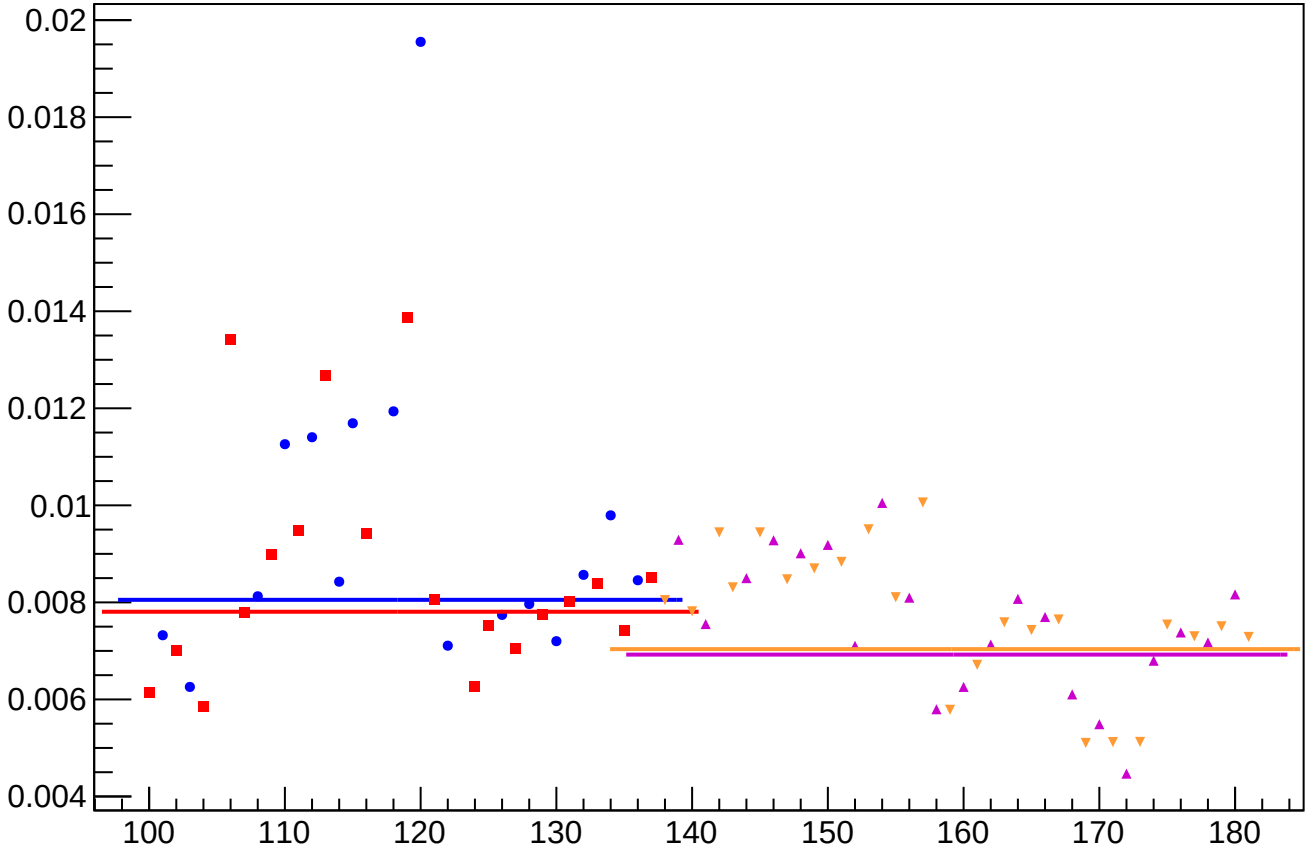
Left In: 1.262+/-0.000 χ^2/NDF:37456482378.3/20

+ sign 1.113+/-0.000 χ^2/NDF: 81503152516.7/38

All: 1.107+/-0.000 χ^2/NDF: 158388919621.2

- sign 1.102+/-0.000 χ^2/NDF: 76861160185.1/39

yield_bpm0l02Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 598309.5/15

Left Out: 0.007+/-0.000 χ^2/NDF:1409551.8/22

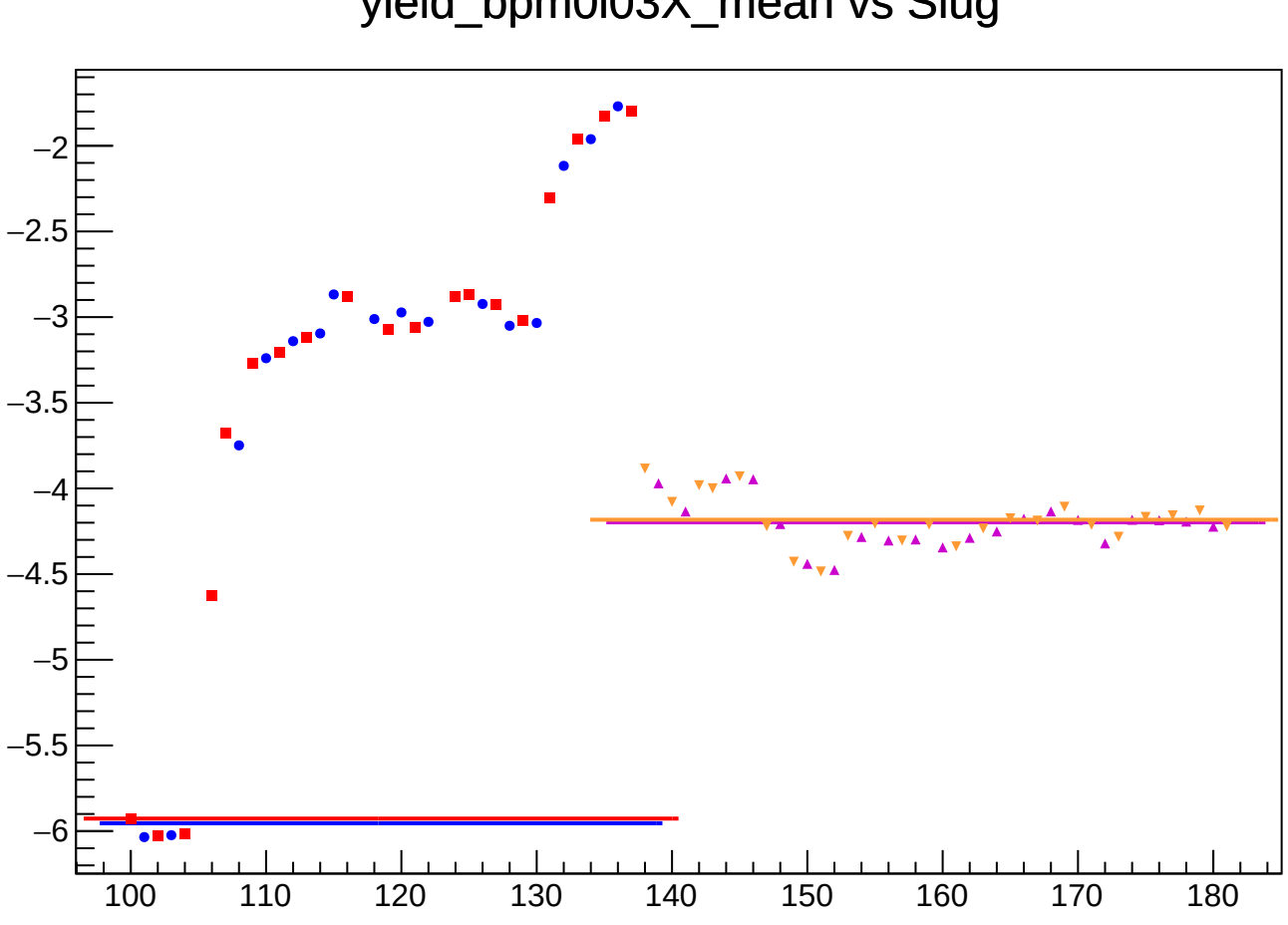
Right Out: 0.008+/-0.000 χ^2/NDF: 587157.2/18

Left In: 0.007+/-0.000 χ^2/NDF:1416581.2/20

\+ sign 0.007+/-0.000 χ^2/NDF: 2158989.9/38

All: 0.007+/-0.000 χ^2/NDF: 4292466.6/78

\- sign 0.007+/-0.000 χ^2/NDF: 2127173.9/39



Right In: -5.954+/-0.000 χ^2/NDF: 13099475661.5/15

Left Out: -4.183+/-0.000 χ^2/NDF:54323421.9/22

Right Out: -5.927+/-0.000 χ^2/NDF: 13922819741.5/18

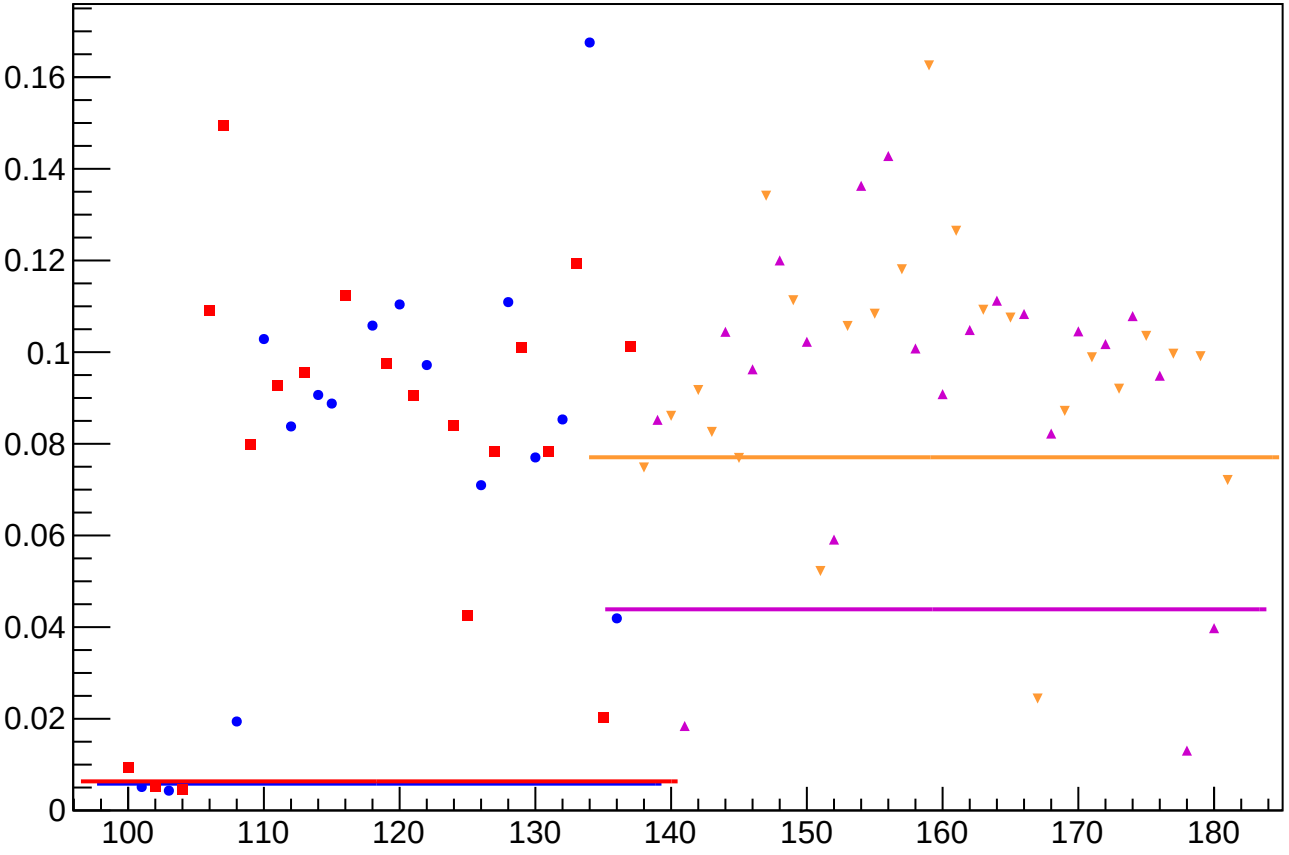
Left In: -4.198+/-0.000 χ^2/NDF:41735825.8/20

+ sign -5.881+/-0.000 χ^2/NDF: 19784202940.1/38

All: -5.836+/-0.000 χ^2/NDF: 44534094313.2/

- sign -5.783+/-0.000 χ^2/NDF: 24508064160.9/39

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:4679502.6/22

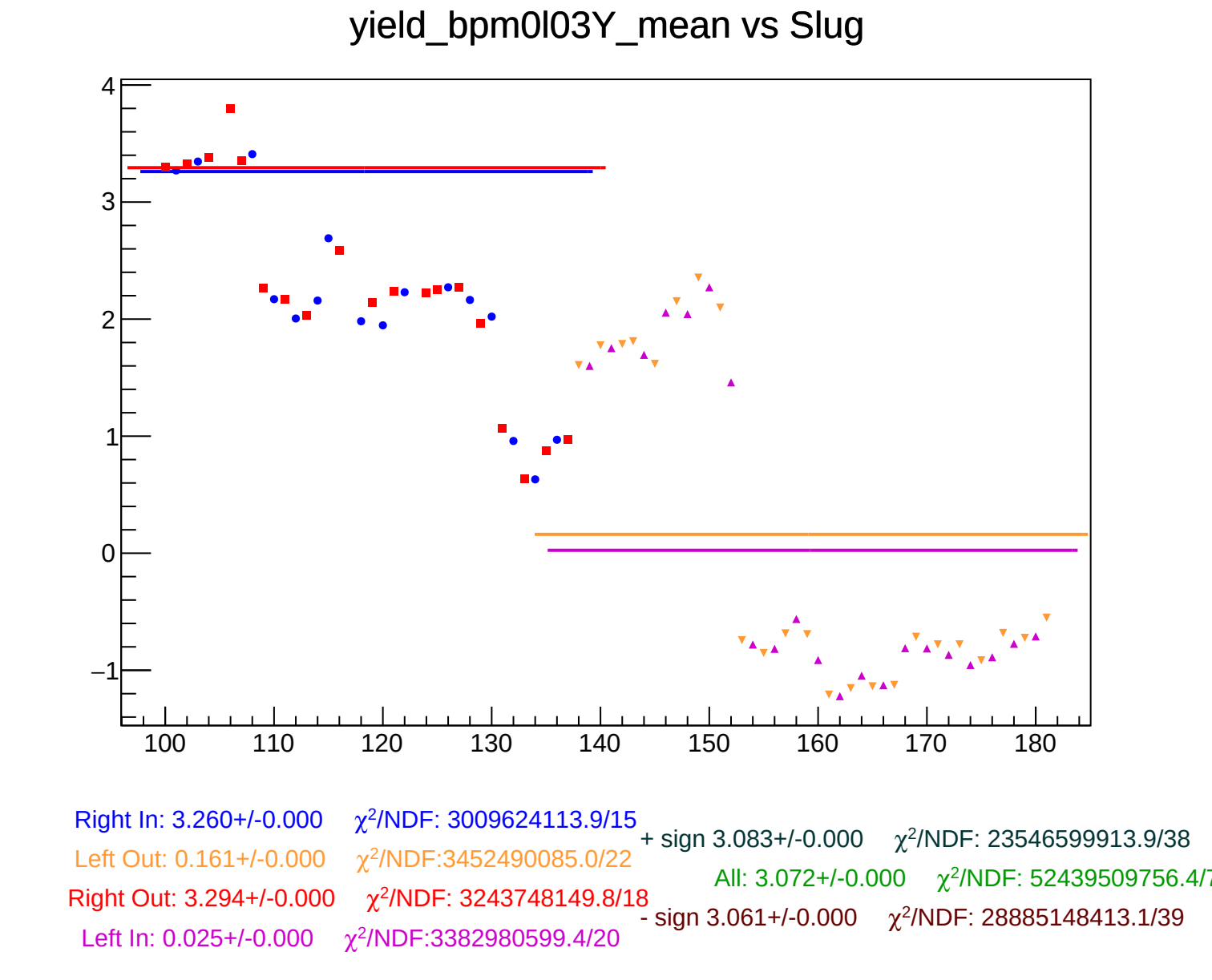
Right Out: 0.006+/-0.000 χ^2/NDF: 8751831.3/18

Left In: 0.044+/-0.000 χ^2/NDF:11939130.5/20

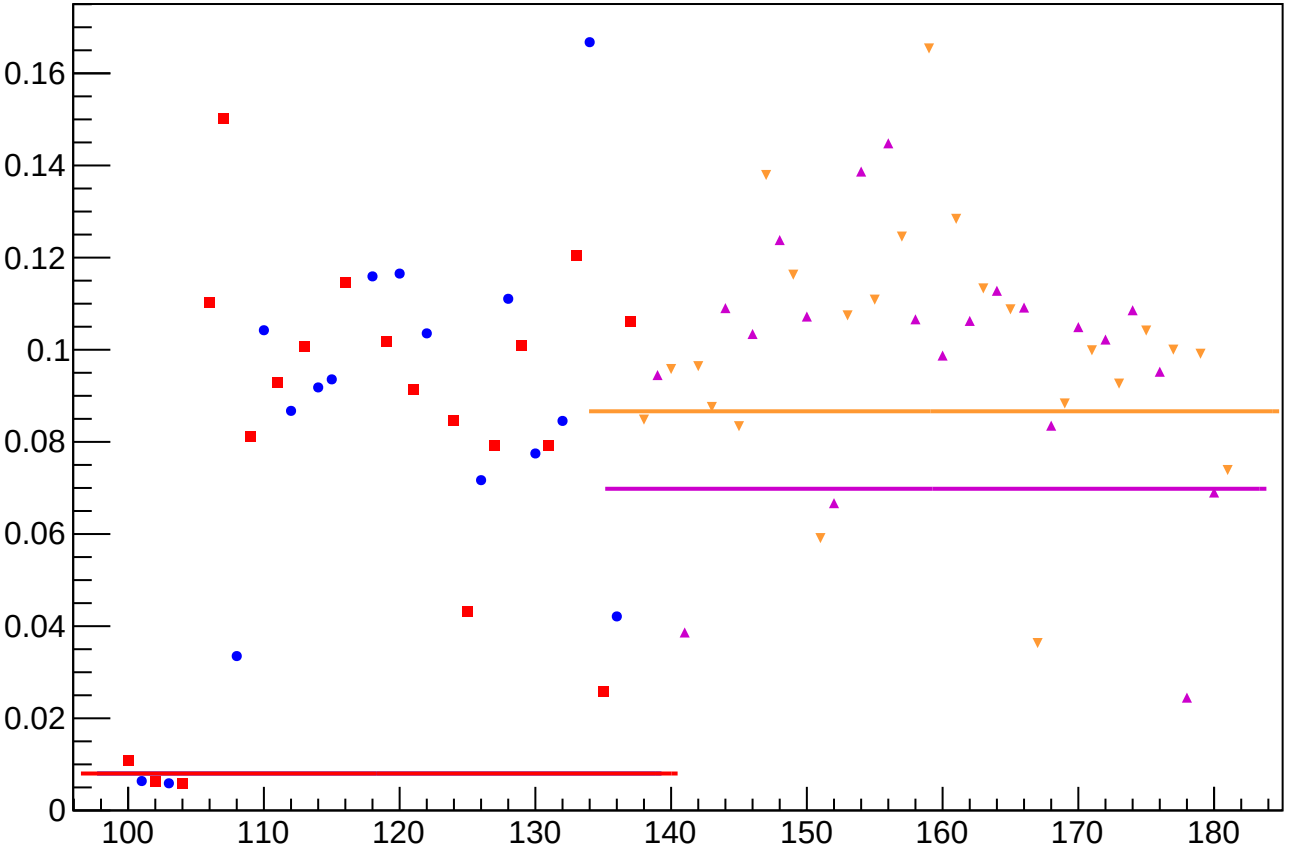
+ sign 0.009+/-0.000 χ^2/NDF: 34810557.3/38

All: 0.009+/-0.000 χ^2/NDF: 65465690.4/78

- sign 0.009+/-0.000 χ^2/NDF: 30629989.8/39


yield_bpm0l03Y_mean vs Slug
4
3
2
1
0
−1
100
110
120
130
140
150
160
170
180
Right In: 3.260+/-0.000 χ²/NDF: 3009624113.9/15
Left Out: 0.161+/-0.000 χ²/NDF:3452490085.0/22
Right Out: 3.294+/-0.000 χ²/NDF: 3243748149.8/18
Left In: 0.025+/-0.000 χ²/NDF:3382980599.4/20
+ sign 3.083+/-0.000 χ²/NDF: 23546599913.9/38
All: 3.072+/-0.000 χ²/NDF: 52439509756.4/7
- sign 3.061+/-0.000 χ²/NDF: 28885148413.1/39

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:2929885.4/22

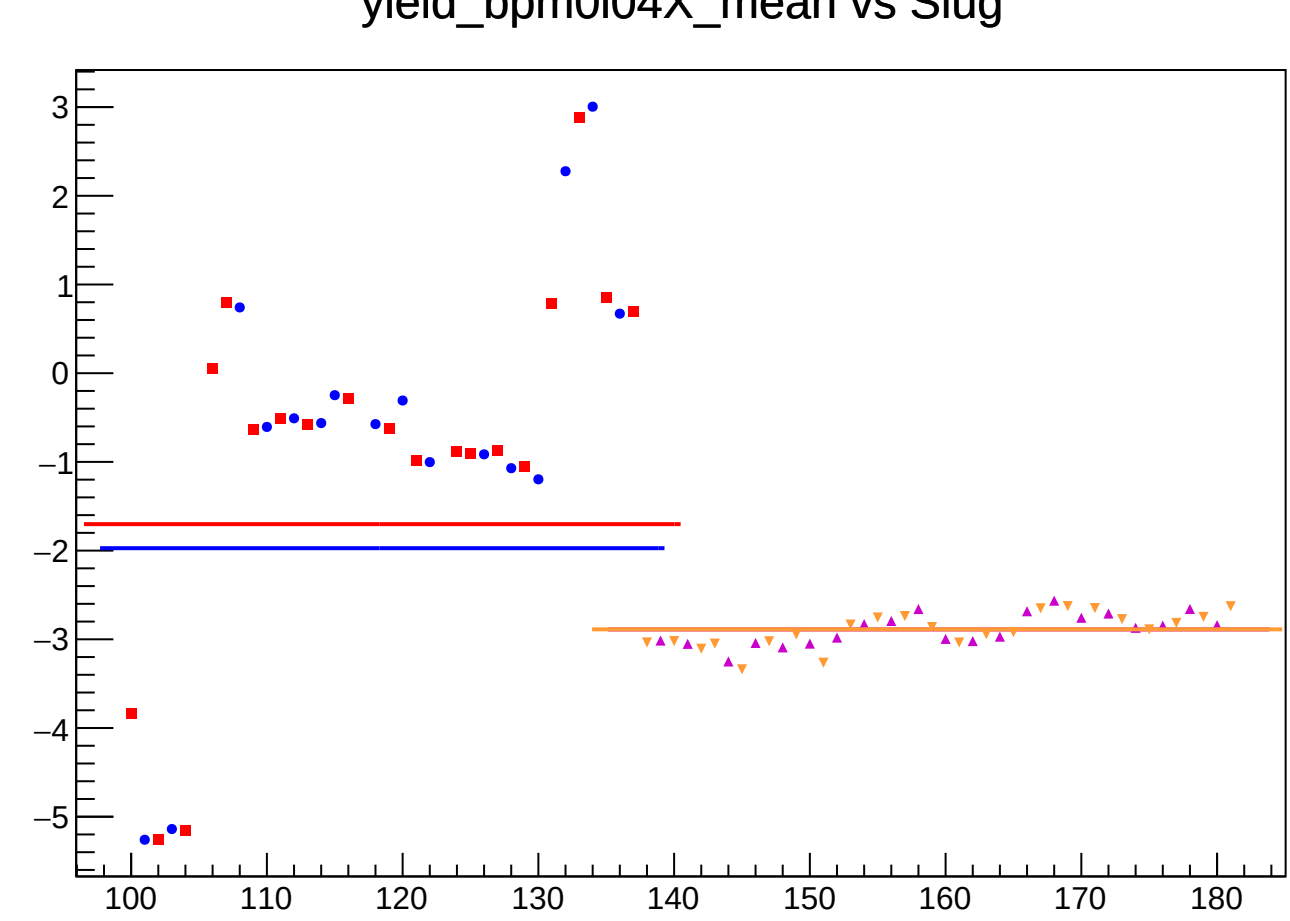
Right Out: 0.008+/-0.000 χ^2/NDF: 8542249.7/18

Left In: 0.070+/-0.000 χ^2/NDF:6191159.2/20

+ sign 0.013+/-0.000 χ^2/NDF: 33331768.9/38

All: 0.012+/-0.000 χ^2/NDF: 63981007.7/78

- sign 0.012+/-0.000 χ^2/NDF: 30648855.5/39



Right In: -1.973+/-0.000 χ^2/NDF: 161975701237.3/15

Left Out: -2.888+/-0.000 χ^2/NDF:10228593231.6/22

Right Out: -1.702+/-0.000 χ^2/NDF: 168156981746.0/18

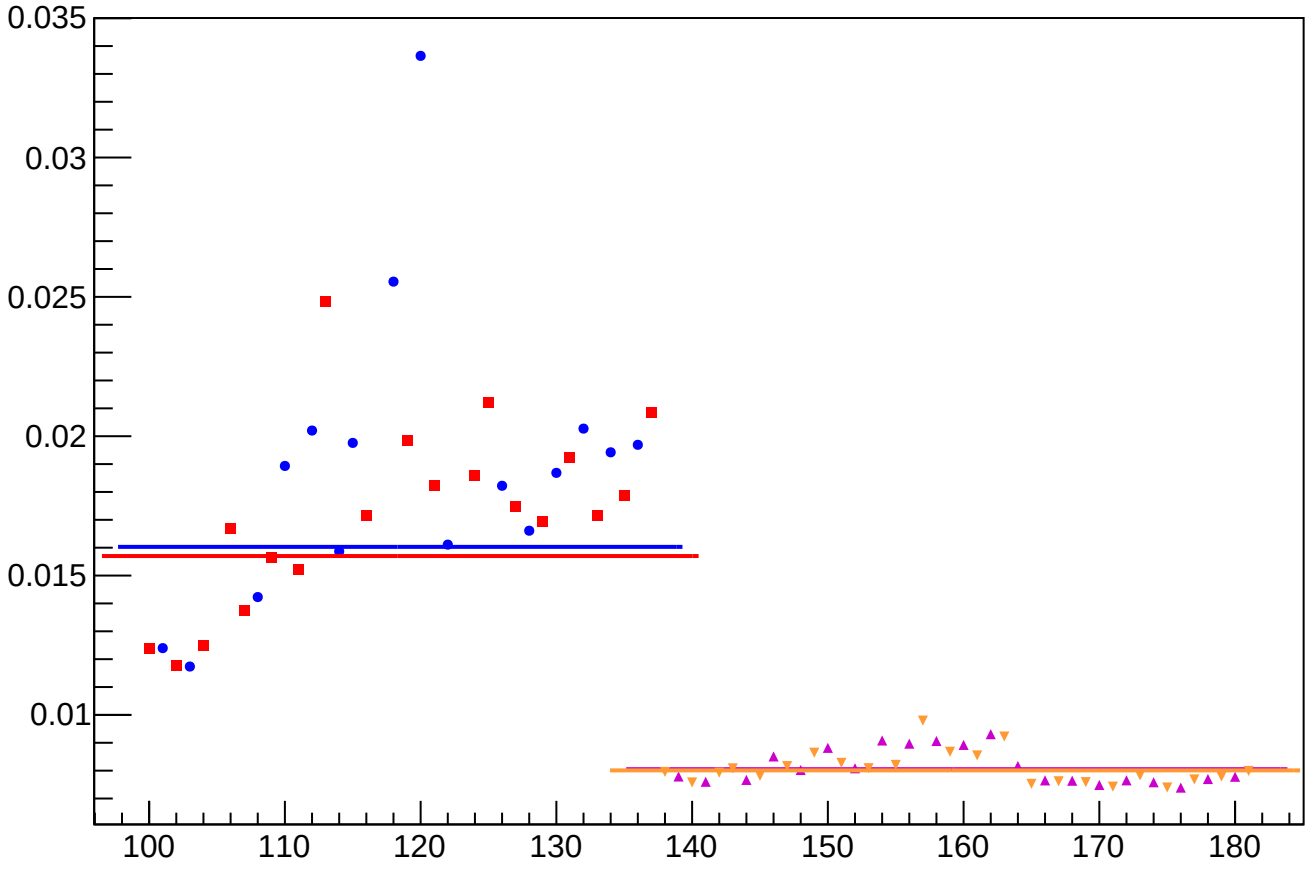
Left In: -2.889+/-0.000 χ^2/NDF:8054328269.4/20

+ sign -2.817+/-0.000 χ^2/NDF: 189715864737.5/38

All: -2.799+/-0.000 χ^2/NDF: 399180975398.8

- sign -2.779+/-0.000 χ^2/NDF: 209252970233.6/39

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:151193.3/22

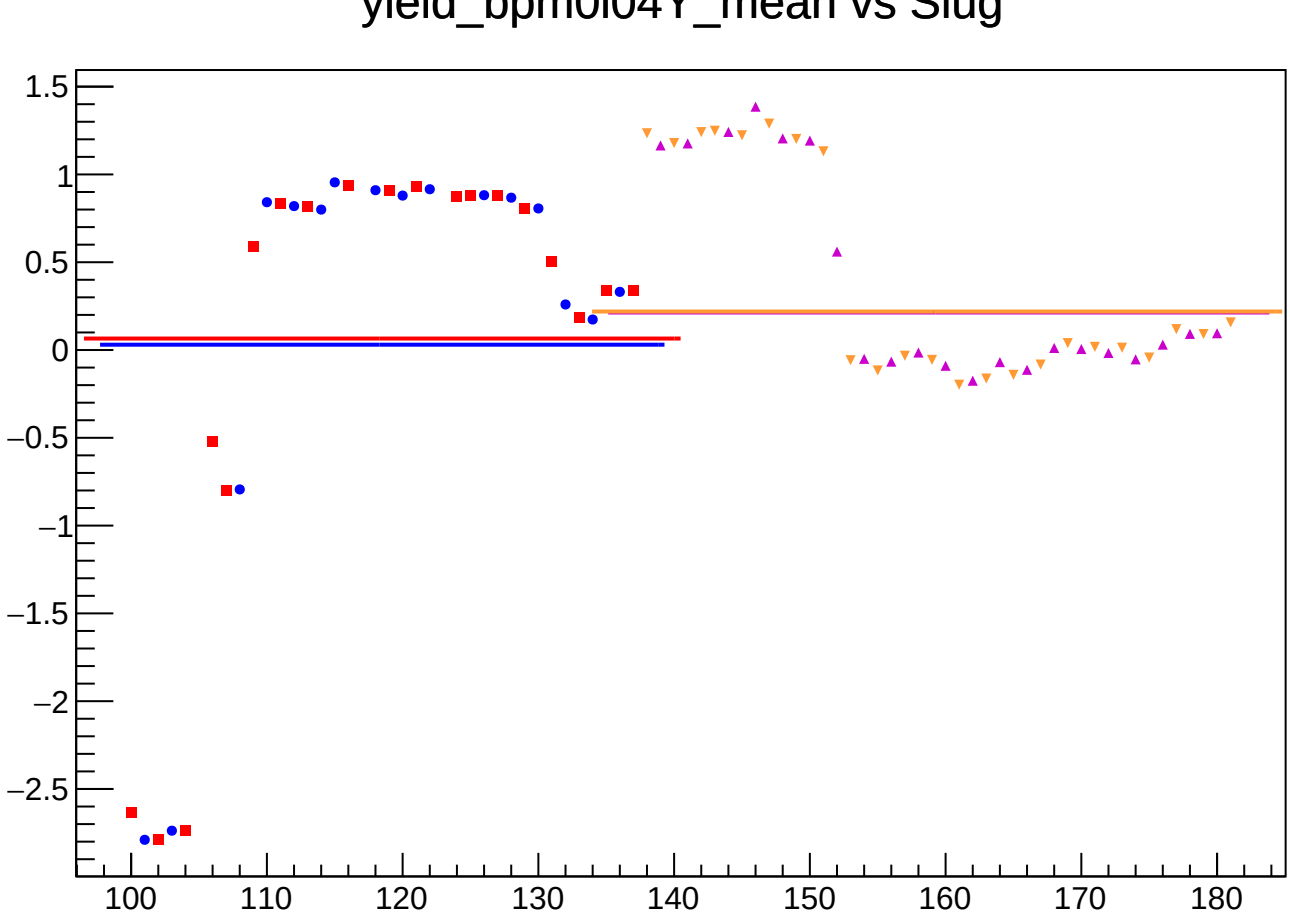
Right Out: 0.016+/-0.000 χ^2/NDF: 504766.0/18

Left In: 0.008+/-0.000 χ^2/NDF:173592.3/20

+ sign 0.009+/-0.000 χ^2/NDF: 3577976.6/38

All: 0.009+/-0.000 χ^2/NDF: 7003667.4/78

- sign 0.009+/-0.000 χ^2/NDF: 3420402.0/39



Right In: 0.030+/-0.000 χ^2/NDF: 851677270962.0/15

Left Out: 0.219+/-0.000 χ^2/NDF:102277020553.5/22

Right Out: 0.065+/-0.000 χ^2/NDF: 935478930138.7/18

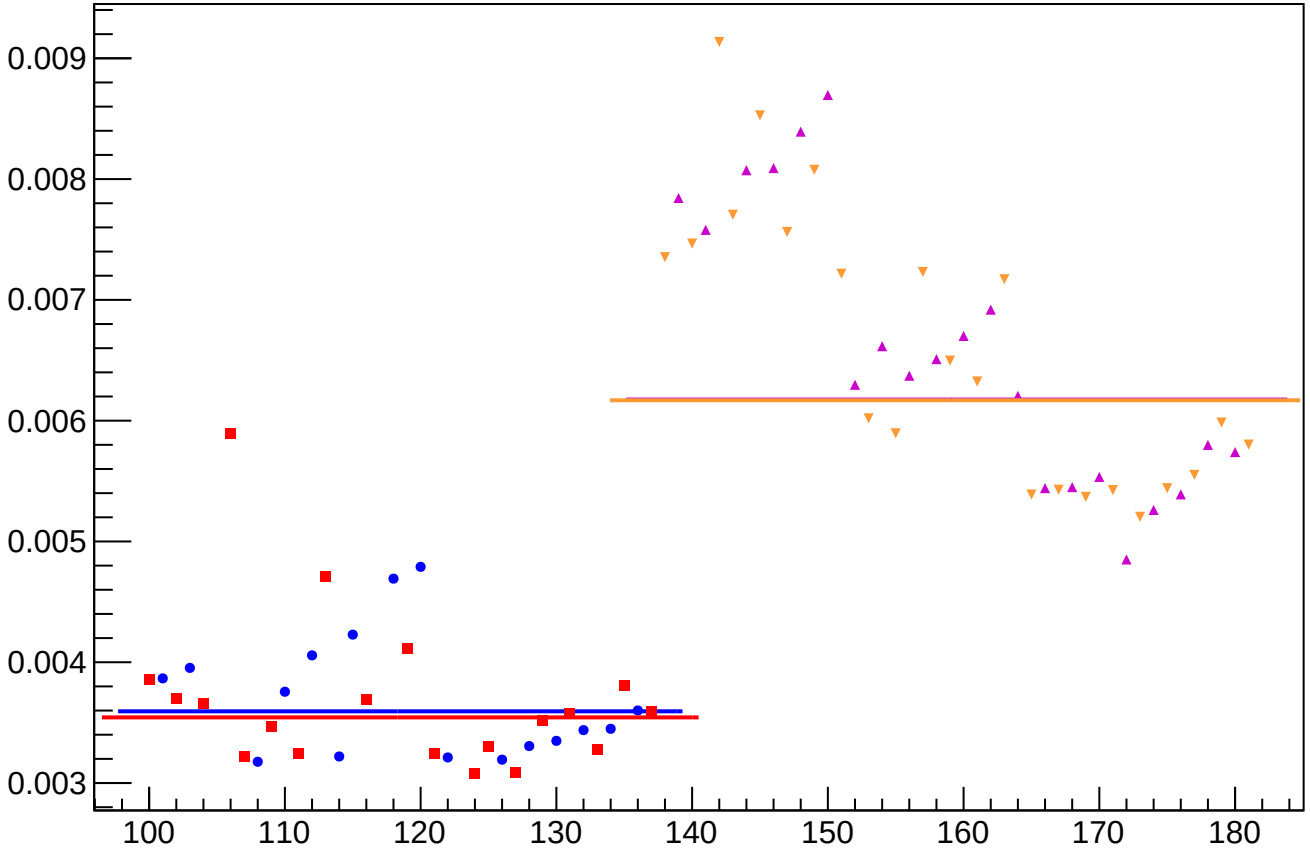
Left In: 0.214+/-0.000 χ^2/NDF:86796364207.4/20

+ sign 0.114+/-0.000 χ^2/NDF: 962218630232.9/38

All: 0.120+/-0.000 χ^2/NDF: 1989626534718.

- sign 0.126+/-0.000 χ^2/NDF: 1027338250413.4/39

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:736166.9/22

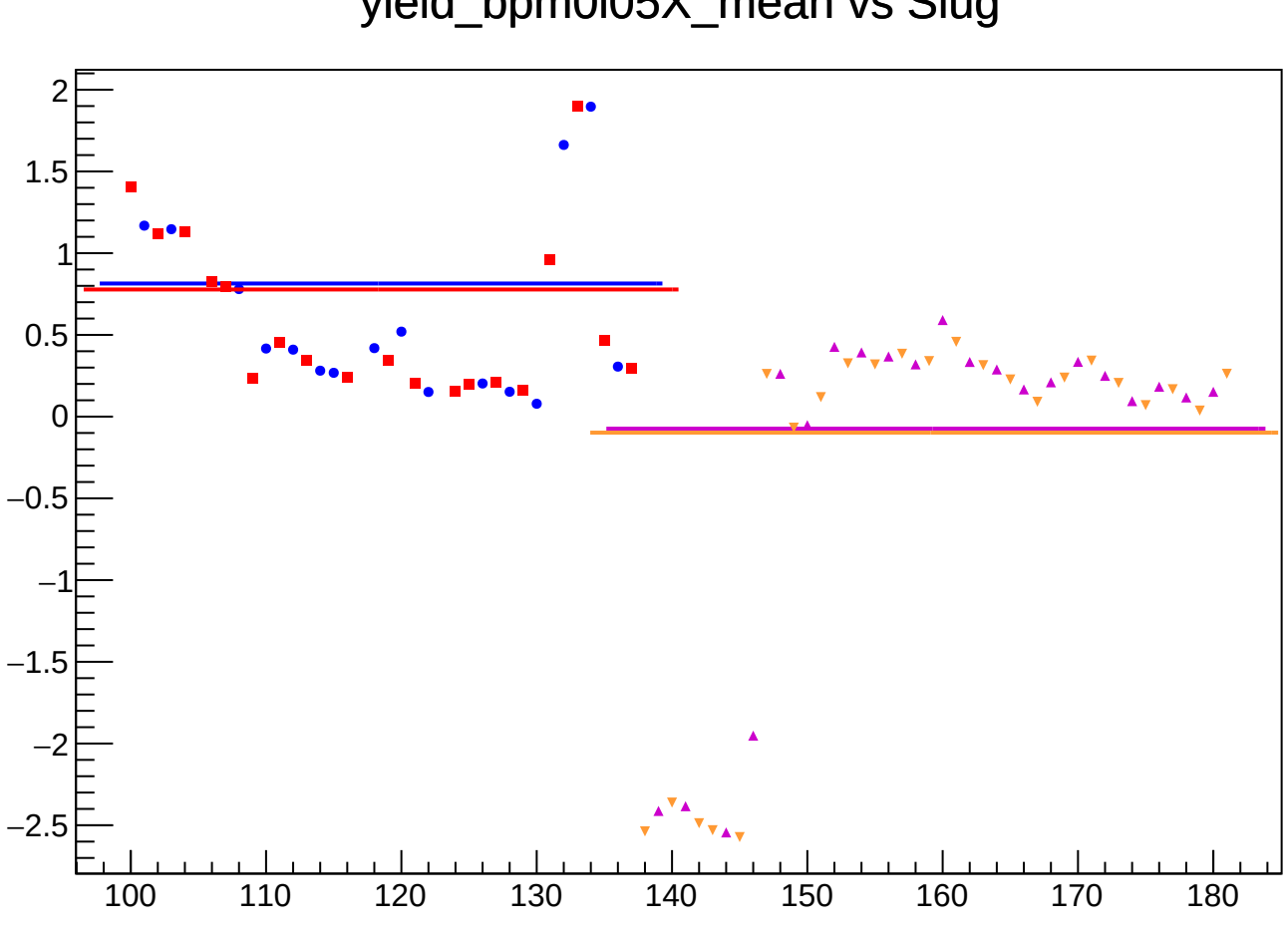
Right Out: 0.004+/-0.000 χ^2/NDF: 224729.1/18

Left In: 0.006+/-0.000 χ^2/NDF:811362.6/20

+ sign 0.005+/-0.000 χ^2/NDF: 3985563.7/38

All: 0.005+/-0.000 χ^2/NDF: 8221983.5/78

- sign 0.005+/-0.000 χ^2/NDF: 4224681.0/39



Right In: 0.814+/-0.000 χ^2/NDF: 35412149008.2/15

Left Out: -0.098+/-0.000 χ^2/NDF:385199697725.5/22

Right Out: 0.778+/-0.000 χ^2/NDF: 34603328062.2/18

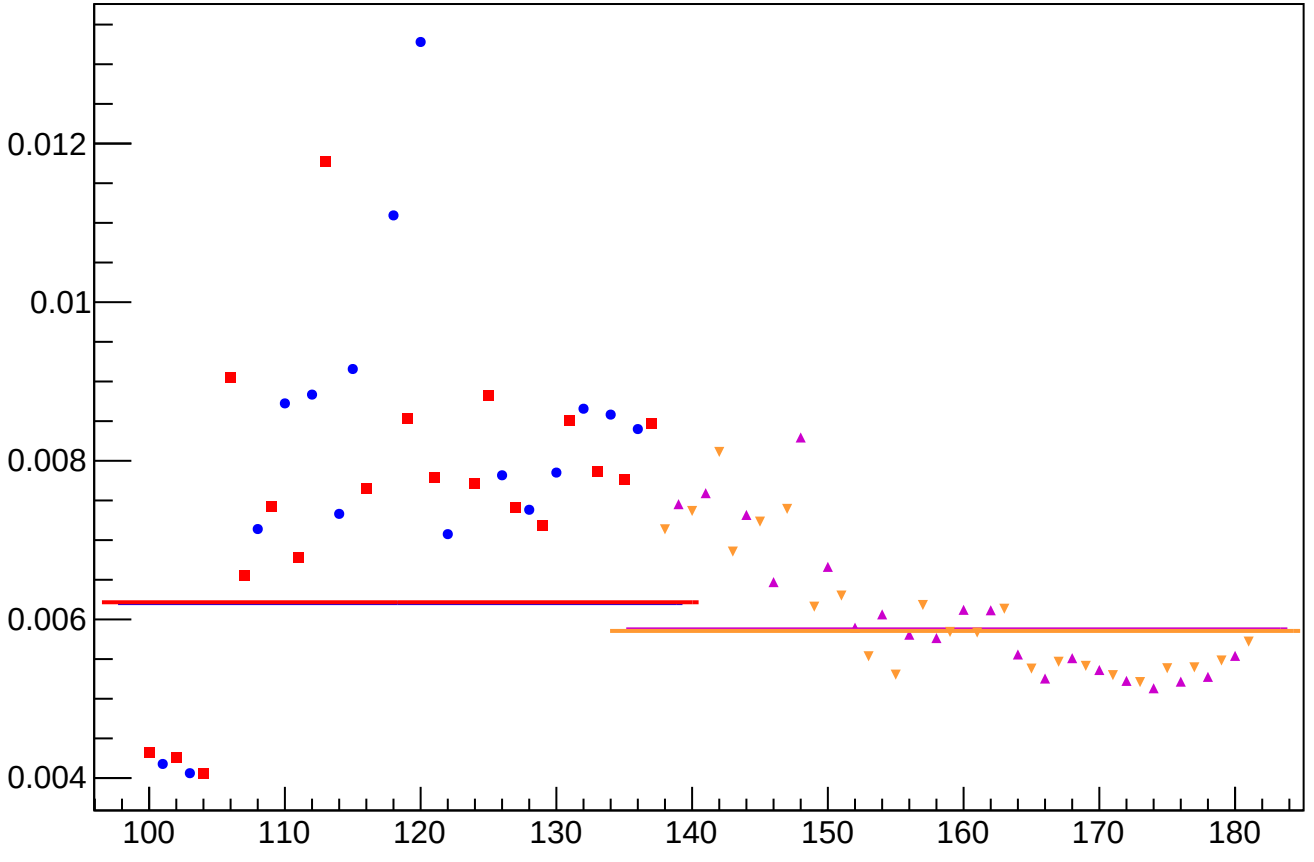
Left In: -0.074+/-0.000 χ^2/NDF:344242528005.8/20

+ sign 0.111+/-0.000 χ^2/NDF: 513152505174.3/38

All: 0.127+/-0.000 χ^2/NDF: 976371007568.7

- sign 0.143+/-0.000 χ^2/NDF: 462913623740.1/39

yield_bpm0l05X_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 1423886.1/15

Left Out: 0.006+/-0.000 χ^2/NDF:438620.7/22

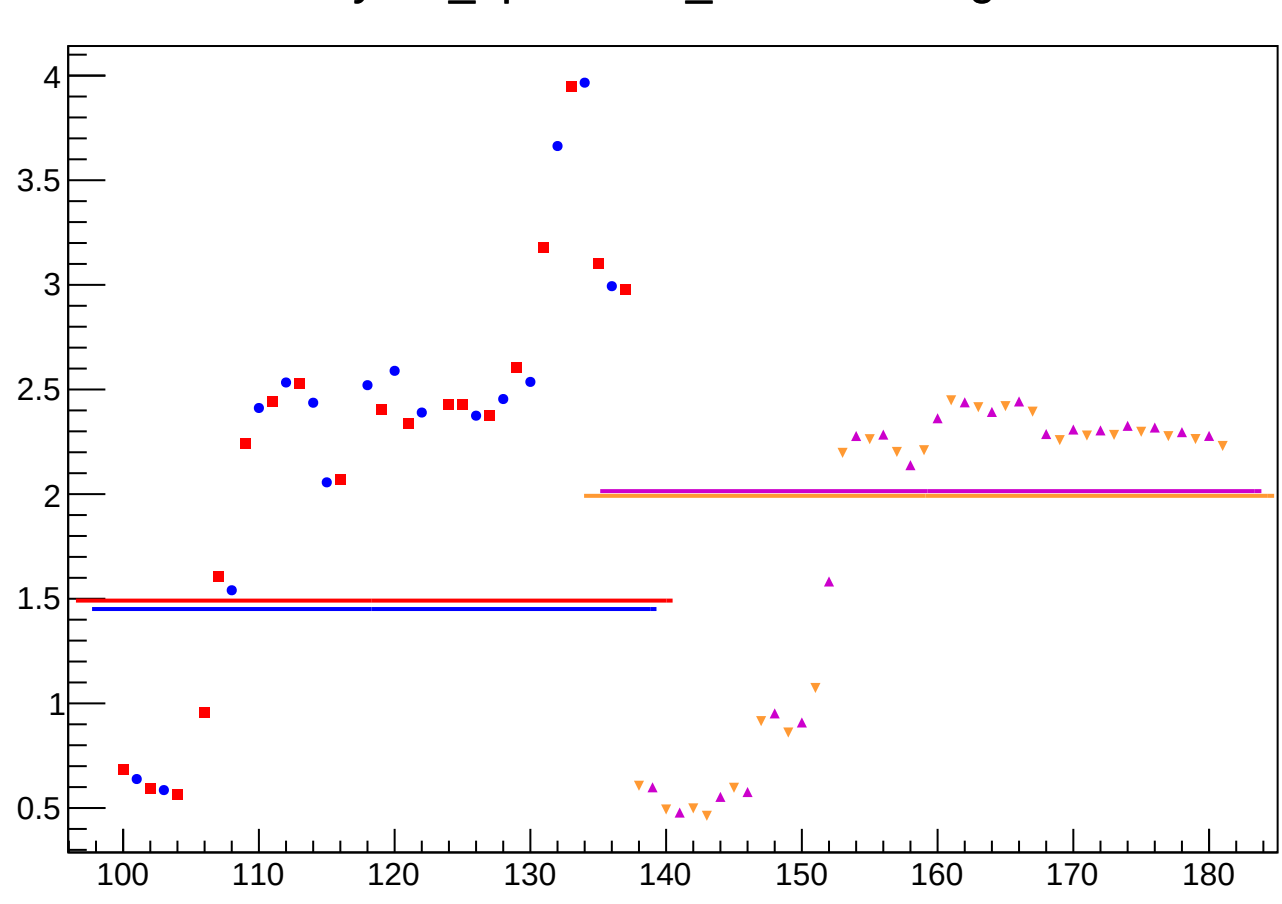
Right Out: 0.006+/-0.000 χ^2/NDF: 1161117.9/18

Left In: 0.006+/-0.000 χ^2/NDF:519997.3/20

+ sign 0.006+/-0.000 χ^2/NDF: 1889894.5/38

All: 0.006+/-0.000 χ^2/NDF: 3598497.8/78

- sign 0.006+/-0.000 χ^2/NDF: 1708187.2/39



Right In: 1.451+/-0.000 χ^2/NDF: 169635774704.4/15

Left Out: 1.992+/-0.000 χ^2/NDF:217068991060.3/22

Right Out: 1.491+/-0.000 χ^2/NDF: 186952709821.0/18

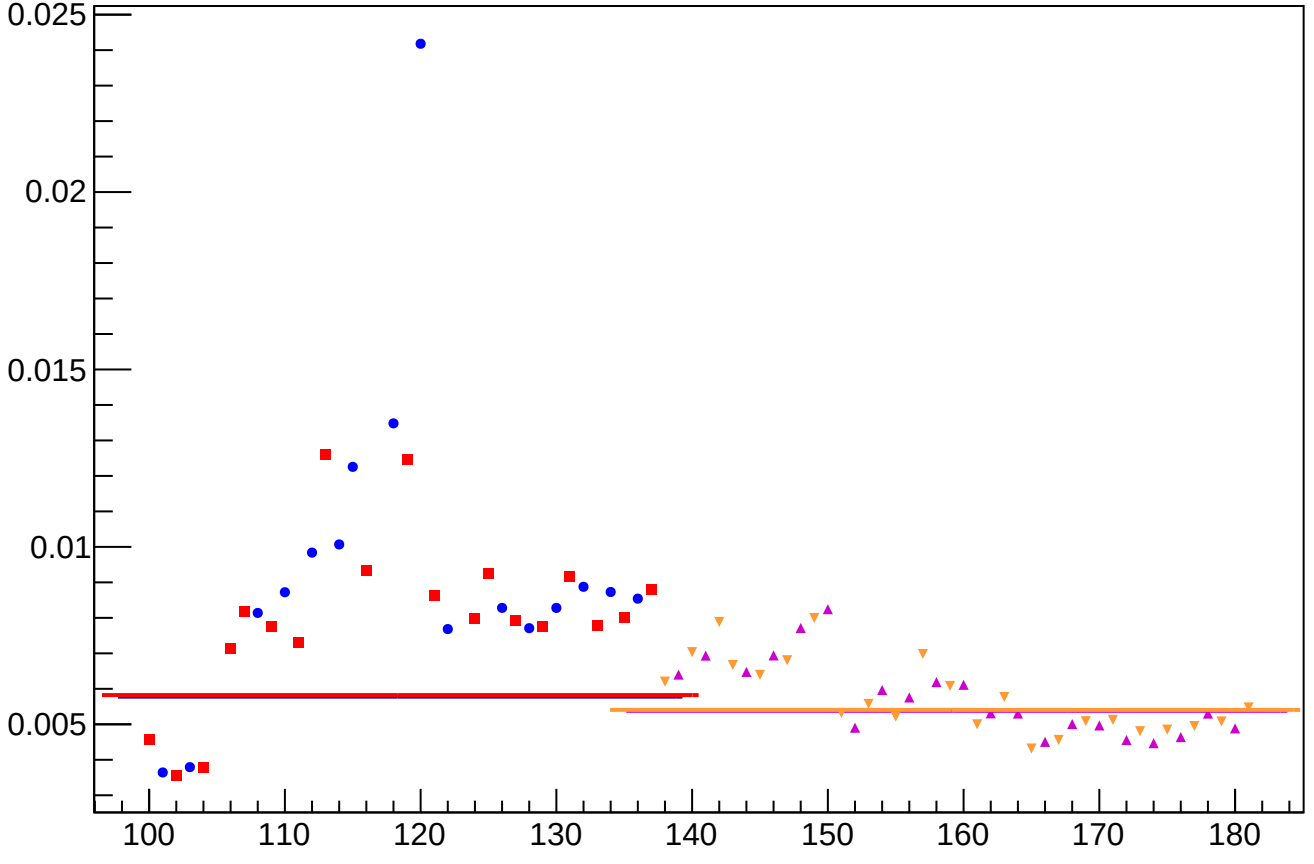
Left In: 2.014+/-0.000 χ^2/NDF:192800367073.9/20

+ sign 1.873+/-0.000 χ^2/NDF: 420918271307.5/38

All: 1.880+/-0.000 χ^2/NDF: 834203322807.3

- sign 1.888+/-0.000 χ^2/NDF: 413214220707.6/39

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:709721.0/22

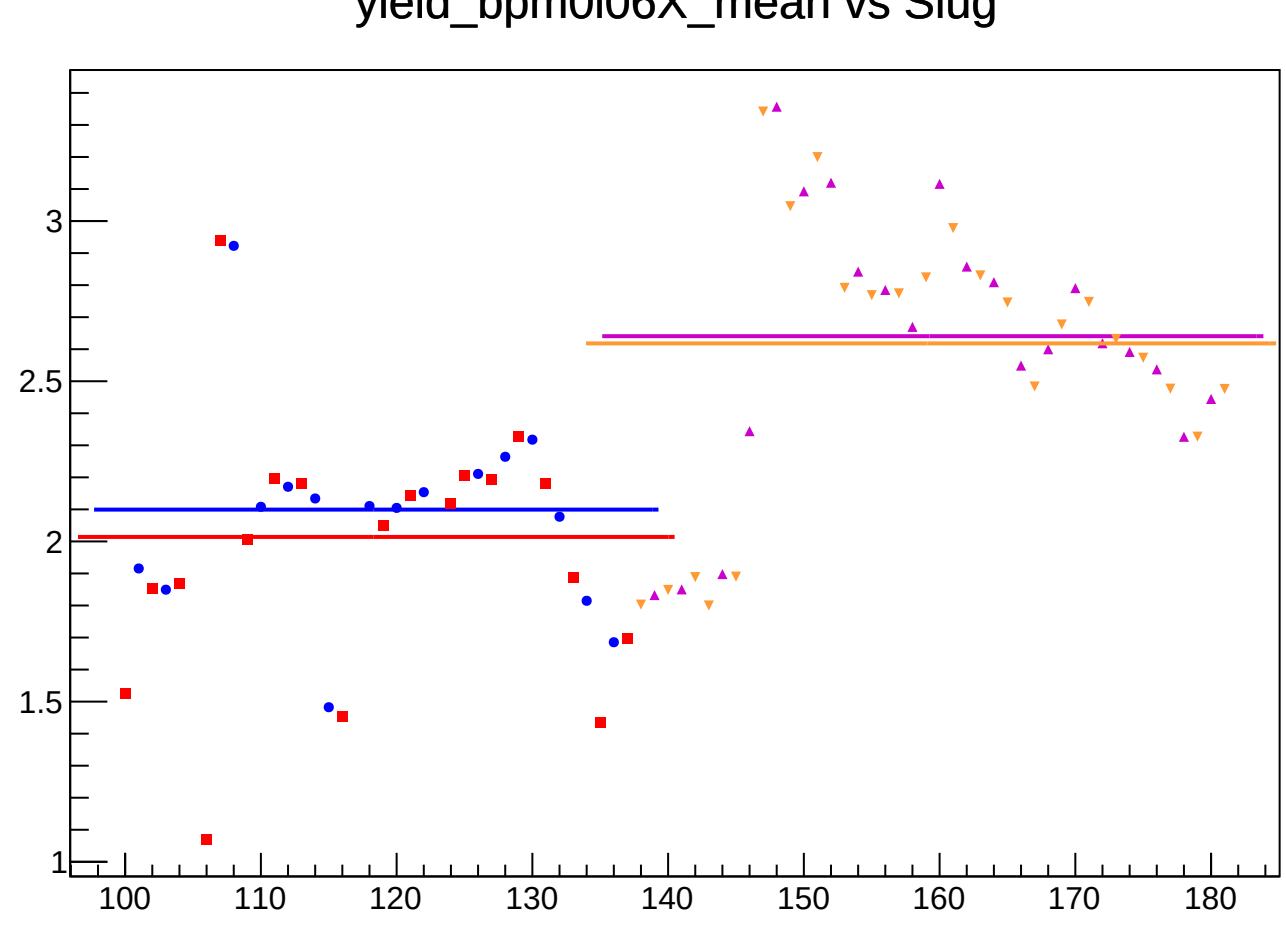
Right Out: 0.006+/-0.000 χ^2/NDF: 1955751.4/18

Left In: 0.005+/-0.000 χ^2/NDF:801765.5/20

+ sign 0.005+/-0.000 χ^2/NDF: 2956230.0/38

All: 0.005+/-0.000 χ^2/NDF: 5761870.6/78

- sign 0.005+/-0.000 χ^2/NDF: 2805639.4/39



Right In: 2.099+/-0.000 χ^2/NDF: 13928556396.8/15

Left Out: 2.618+/-0.000 χ^2/NDF:46247882963.0/22

Right Out: 2.014+/-0.000 χ^2/NDF: 19615856596.5/18

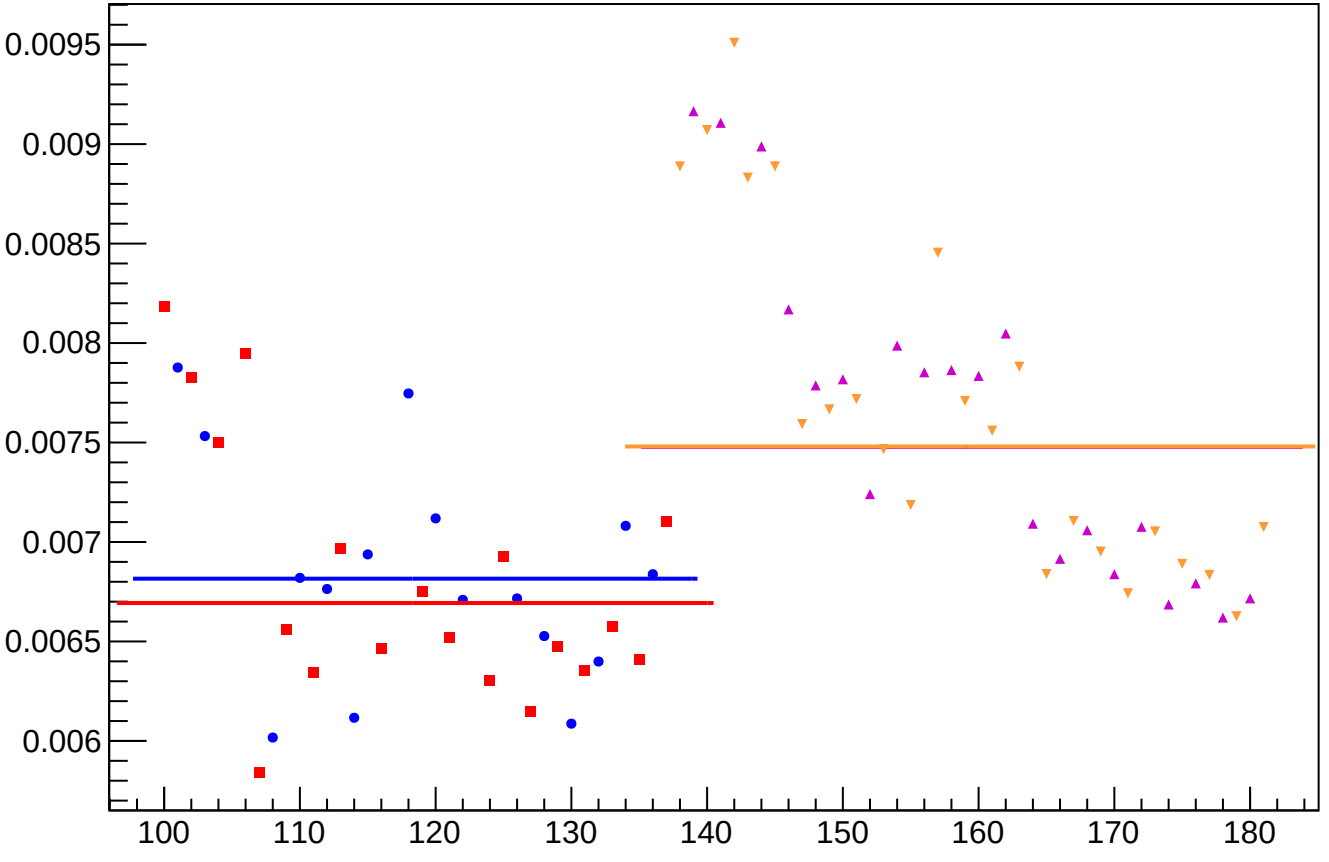
Left In: 2.641+/-0.000 χ^2/NDF:40201519884.5/20

+ sign 2.450+/-0.000 χ^2/NDF: 86930642017.0/38

All: 2.435+/-0.000 χ^2/NDF: 187427423246.3

- sign 2.419+/-0.000 χ^2/NDF: 100276976626.4/39

yield_bpm0l06X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 86781.0/15

Left Out: 0.007+/-0.000 χ^2/NDF:328828.8/22

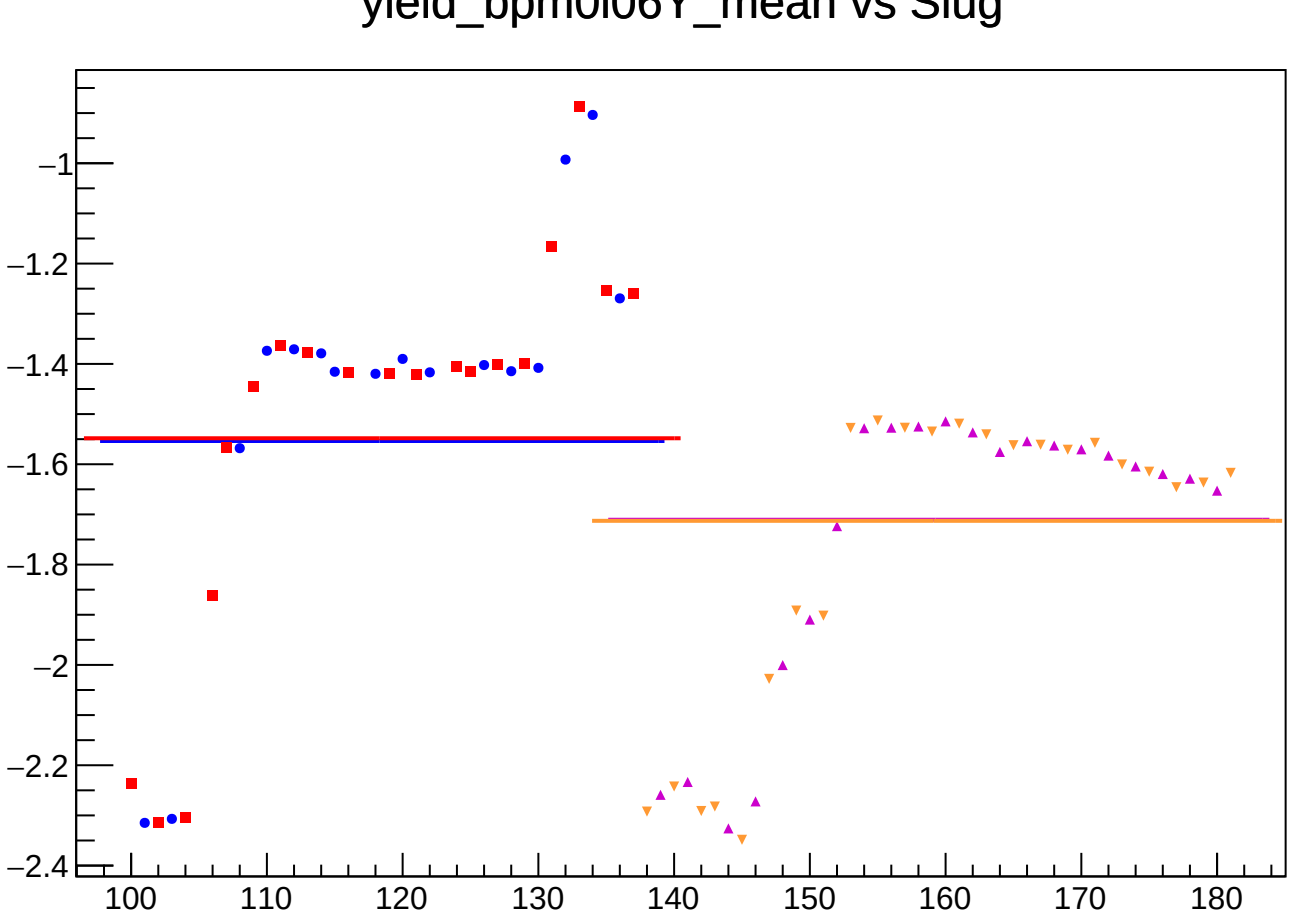
Right Out: 0.007+/-0.000 χ^2/NDF: 87876.9/18

Left In: 0.007+/-0.000 χ^2/NDF:320930.9/20

+ sign 0.007+/-0.000 χ^2/NDF: 503423.5/38

All: 0.007+/-0.000 χ^2/NDF: 1040856.5/78

- sign 0.007+/-0.000 χ^2/NDF: 535522.7/39



Right In: -1.554+/-0.000 χ^2/NDF: 175176621986.0/15

Left Out: -1.713+/-0.000 χ^2/NDF:150496378341.9/22

Right Out: -1.548+/-0.000 χ^2/NDF: 174743666302.8/18

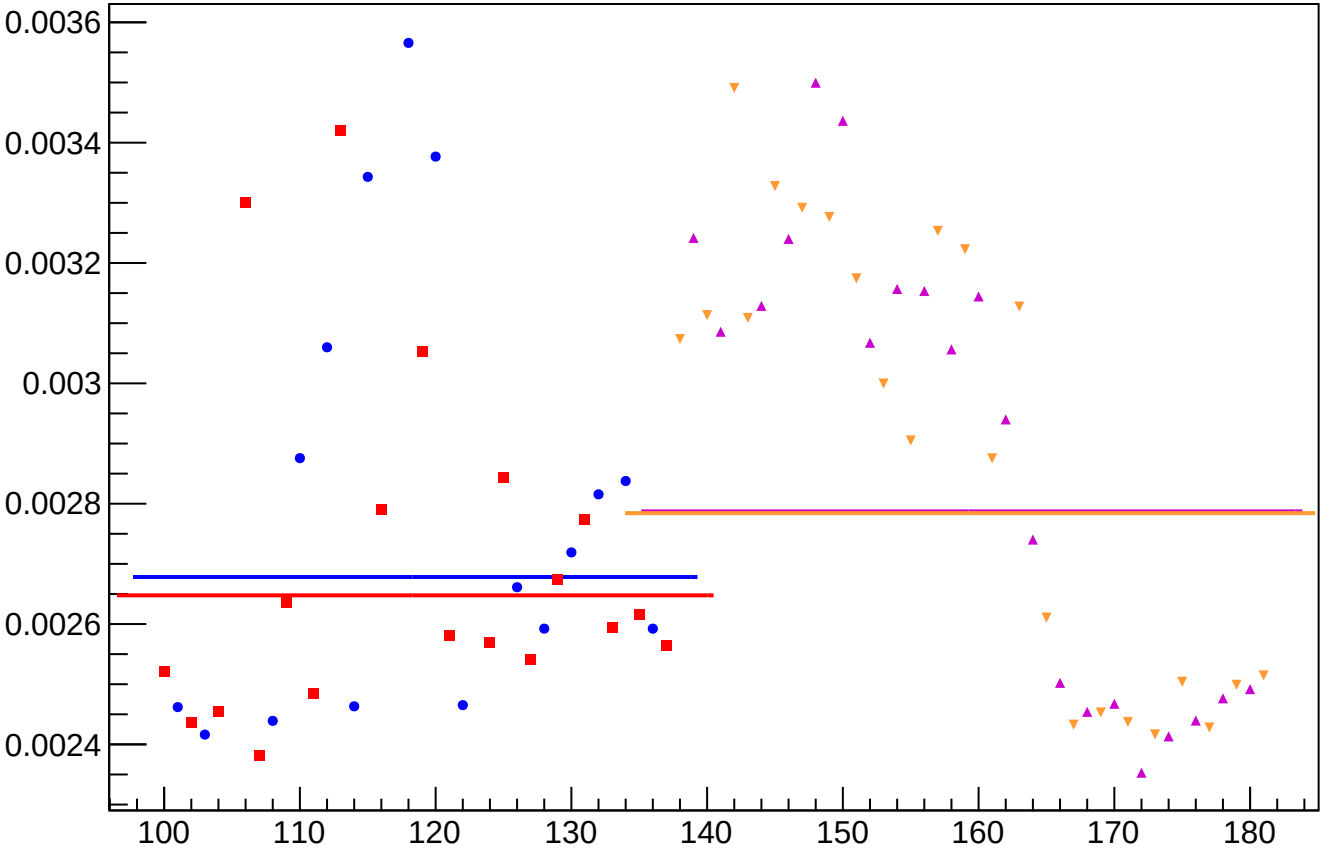
Left In: -1.711+/-0.000 χ^2/NDF:135548887936.1/20

+ sign -1.665+/-0.000 χ^2/NDF: 342275436253.0/38

All: -1.661+/-0.000 χ^2/NDF: 670448498288.8

- sign -1.658+/-0.000 χ^2/NDF: 328087301047.2/39

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:529858.6/22

Right Out: 0.003+/-0.000 χ^2/NDF: 116150.5/18

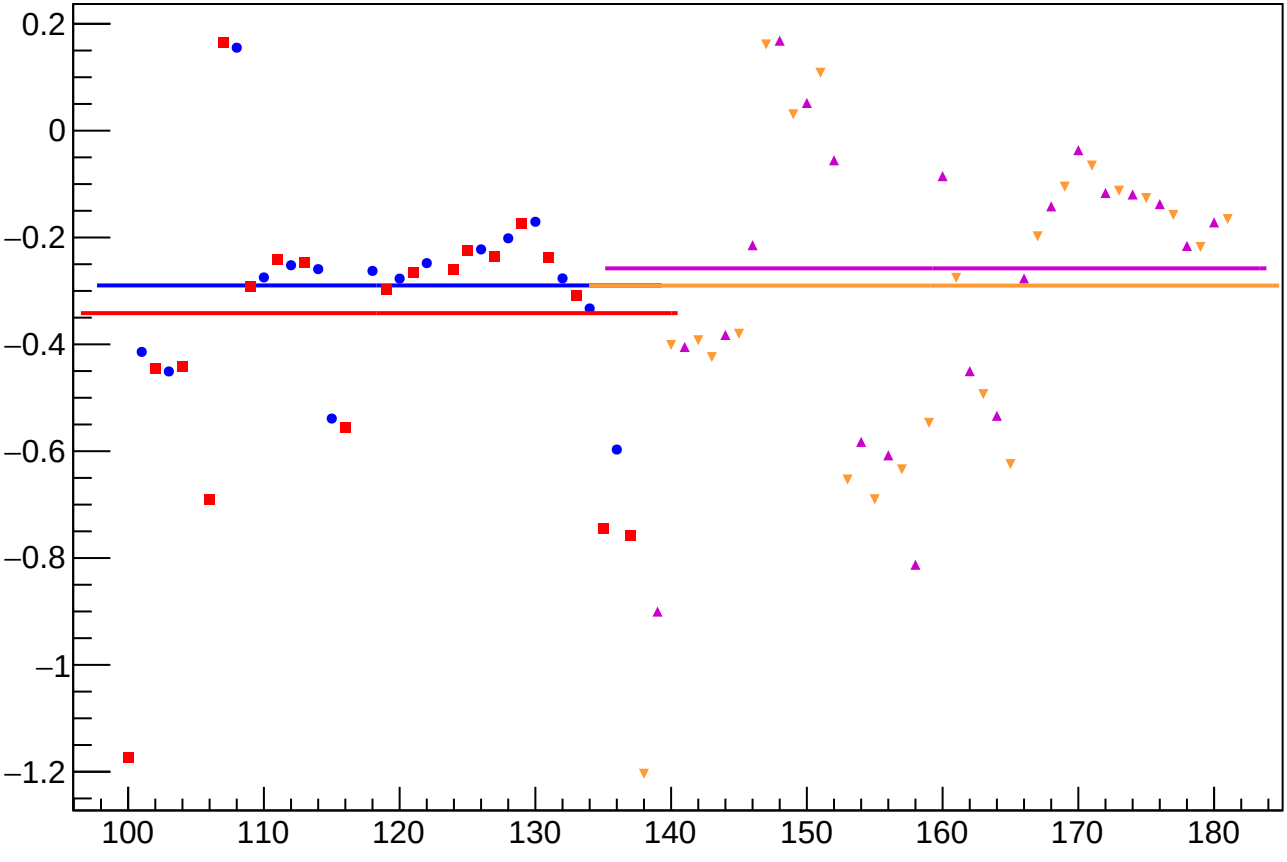
Left In: 0.003+/-0.000 χ^2/NDF:555816.9/20

+ sign 0.003+/-0.000 χ^2/NDF: 702511.0/38

All: 0.003+/-0.000 χ^2/NDF: 1401101.7/78

- sign 0.003+/-0.000 χ^2/NDF: 698229.1/39

yield_bpm0l07X_mean vs Slug



Right In: -0.290+/-0.000 χ^2/NDF: 1645174238.4/15

Left Out: -0.290+/-0.000 χ^2/NDF:9224931677.0/22

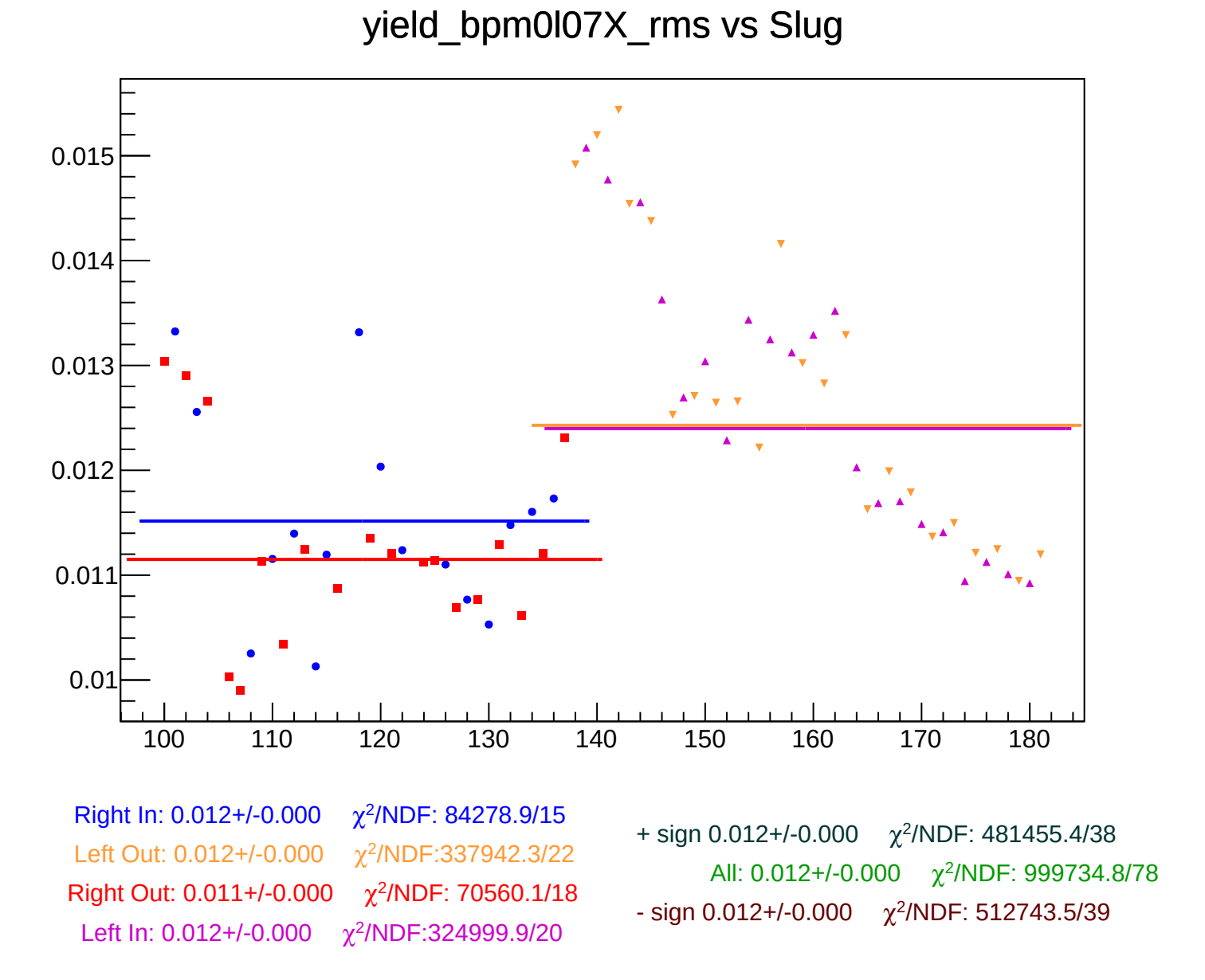
Right Out: -0.342+/-0.000 χ^2/NDF: 2609243421.7/18

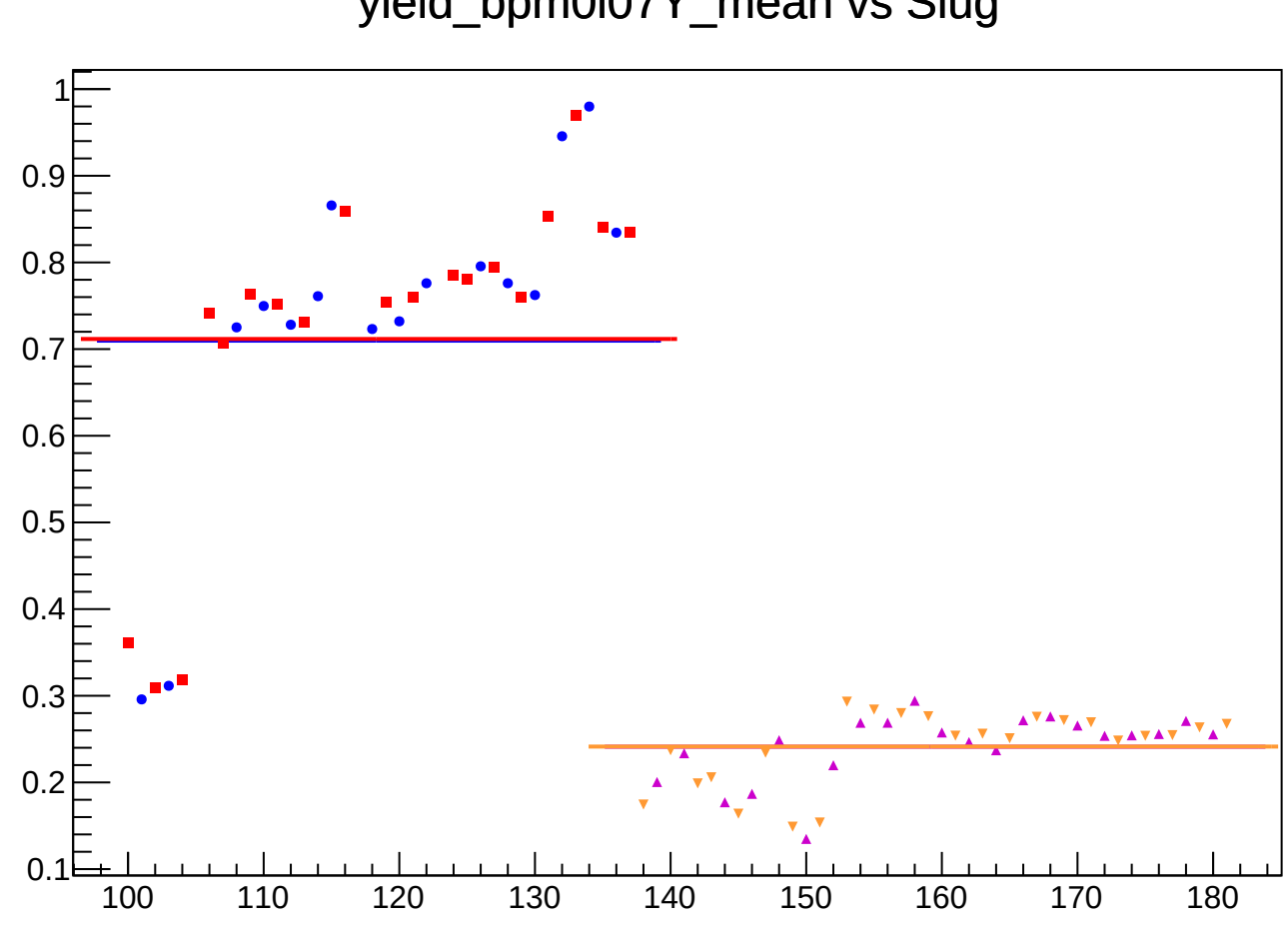
Left In: -0.258+/-0.000 χ^2/NDF:7099282916.9/20

+ sign -0.290+/-0.000 χ^2/NDF: 10870108825.1/38

All: -0.289+/-0.000 χ^2/NDF: 20843452021.5/

- sign -0.288+/-0.000 χ^2/NDF: 9972864608.7/39


yield_bpm0l07X_rms vs Slug
0.015
0.014
0.013
0.012
0.011
0.01
100
110
120
130
140
150
160
170
180
Right In: 0.012+/-0.000 χ²/NDF: 84278.9/15
Left Out: 0.012+/-0.000 χ²/NDF:337942.3/22
Right Out: 0.011+/-0.000 χ²/NDF: 70560.1/18
Left In: 0.012+/-0.000 χ²/NDF:324999.9/20
+ sign 0.012+/-0.000 χ²/NDF: 481455.4/38
All: 0.012+/-0.000 χ²/NDF: 999734.8/78
- sign 0.012+/-0.000 χ²/NDF: 512743.5/39



Right In: 0.710+/-0.000 χ^2/NDF: 48924347494.6/15

Left Out: 0.241+/-0.000 χ^2/NDF:7153023110.6/22

Right Out: 0.712+/-0.000 χ^2/NDF: 44174681920.8/18

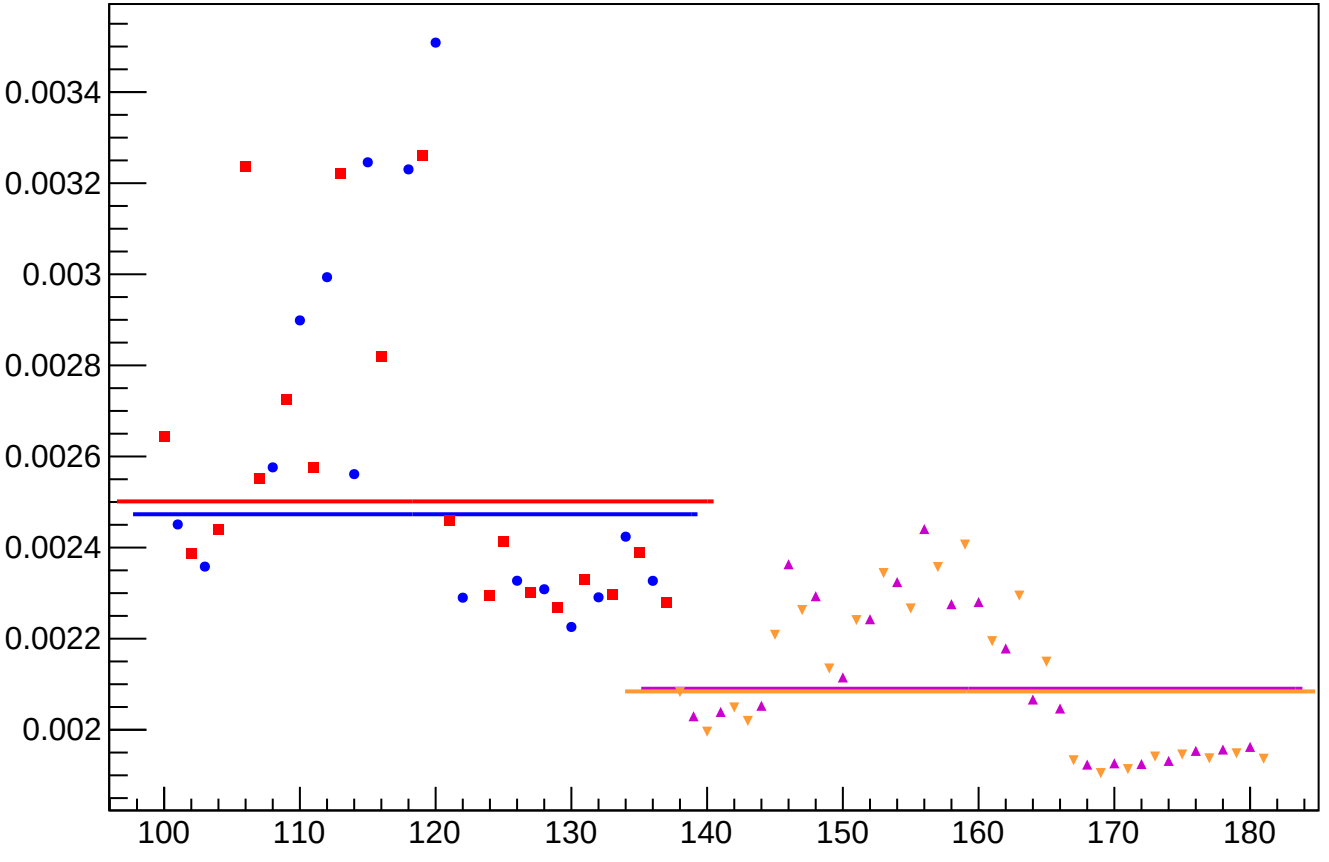
Left In: 0.241+/-0.000 χ^2/NDF:5668698278.3/20

+ sign 0.340+/-0.000 χ^2/NDF: 248901425490.2/38

All: 0.343+/-0.000 χ^2/NDF: 491944087928.9

- sign 0.347+/-0.000 χ^2/NDF: 242944459088.6/39

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:212492.7/22

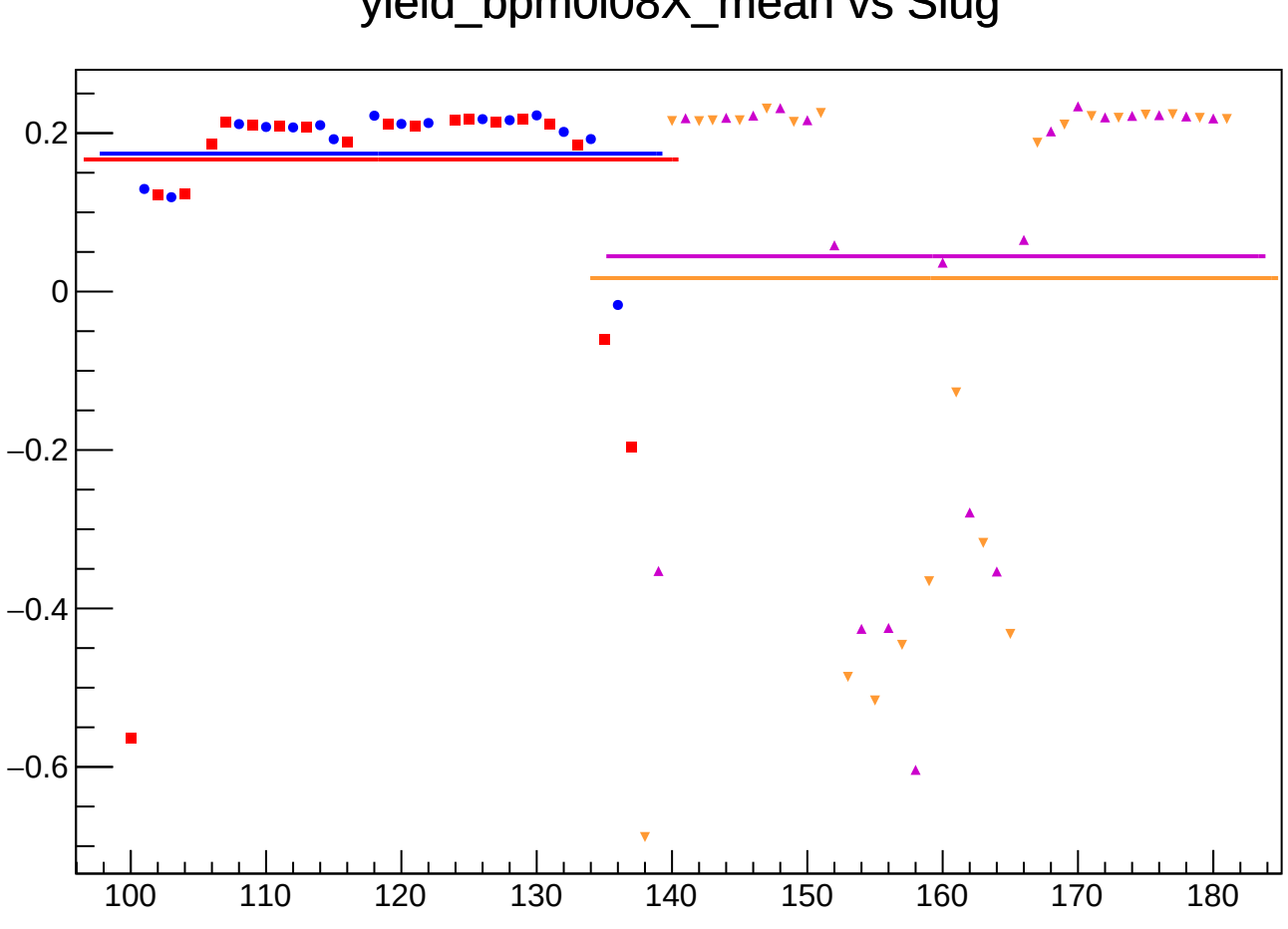
Right Out: 0.003+/-0.000 χ^2/NDF: 177427.2/18

Left In: 0.002+/-0.000 χ^2/NDF:195050.4/20

\+ sign 0.002+/-0.000 χ^2/NDF: 686485.9/38

All: 0.002+/-0.000 χ^2/NDF: 1355364.4/78

\- sign 0.002+/-0.000 χ^2/NDF: 667600.8/39



Right In: 0.174+/-0.000 χ^2/NDF: 401946344.0/15

Left Out: 0.017+/-0.000 χ^2/NDF:12697847367.7/22

Right Out: 0.167+/-0.000 χ^2/NDF: 894131198.6/18

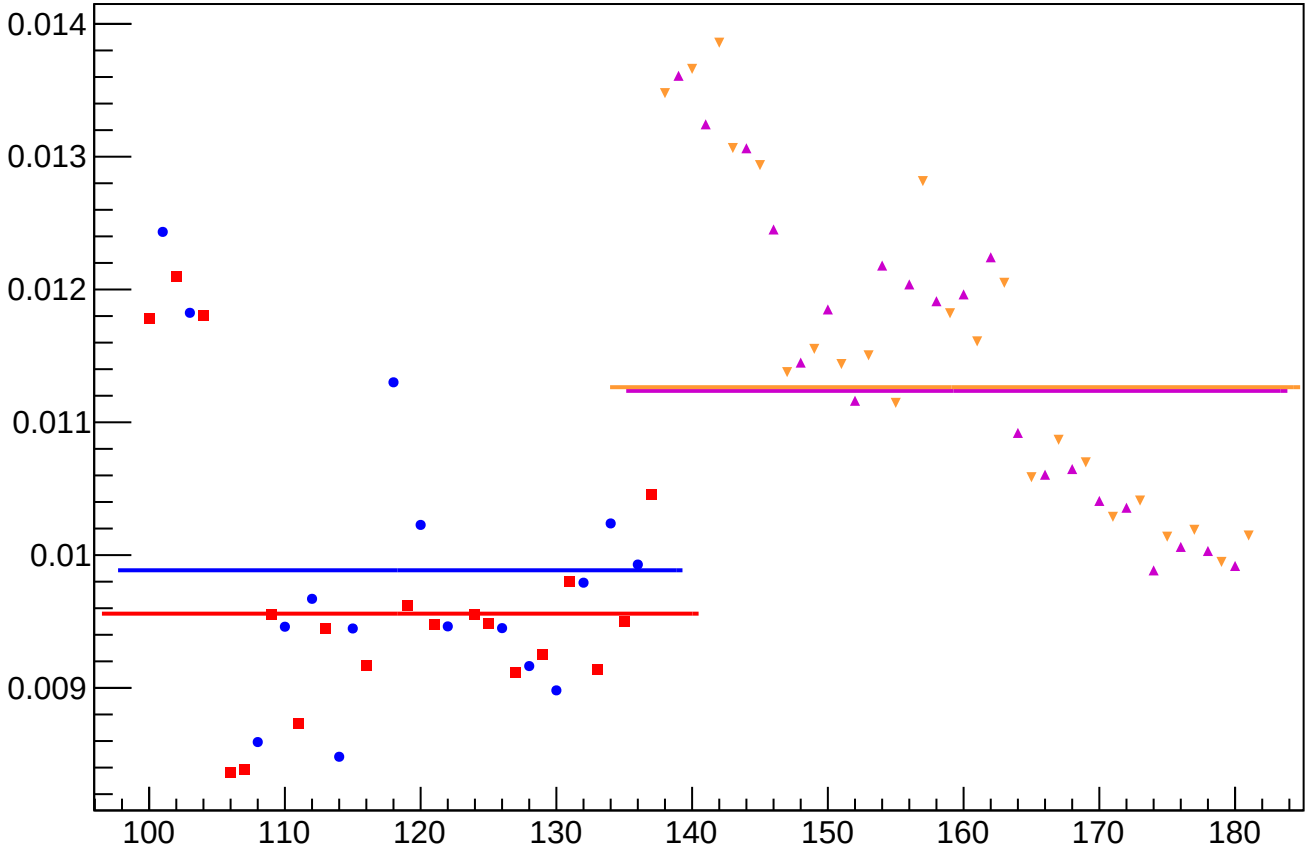
Left In: 0.045+/-0.000 χ^2/NDF:9475682941.3/20

+ sign 0.070+/-0.000 χ^2/NDF: 14242860935.2/38

All: 0.081+/-0.000 χ^2/NDF: 25387156098.7/7

- sign 0.091+/-0.000 χ^2/NDF: 11100858490.9/39

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:325033.8/22

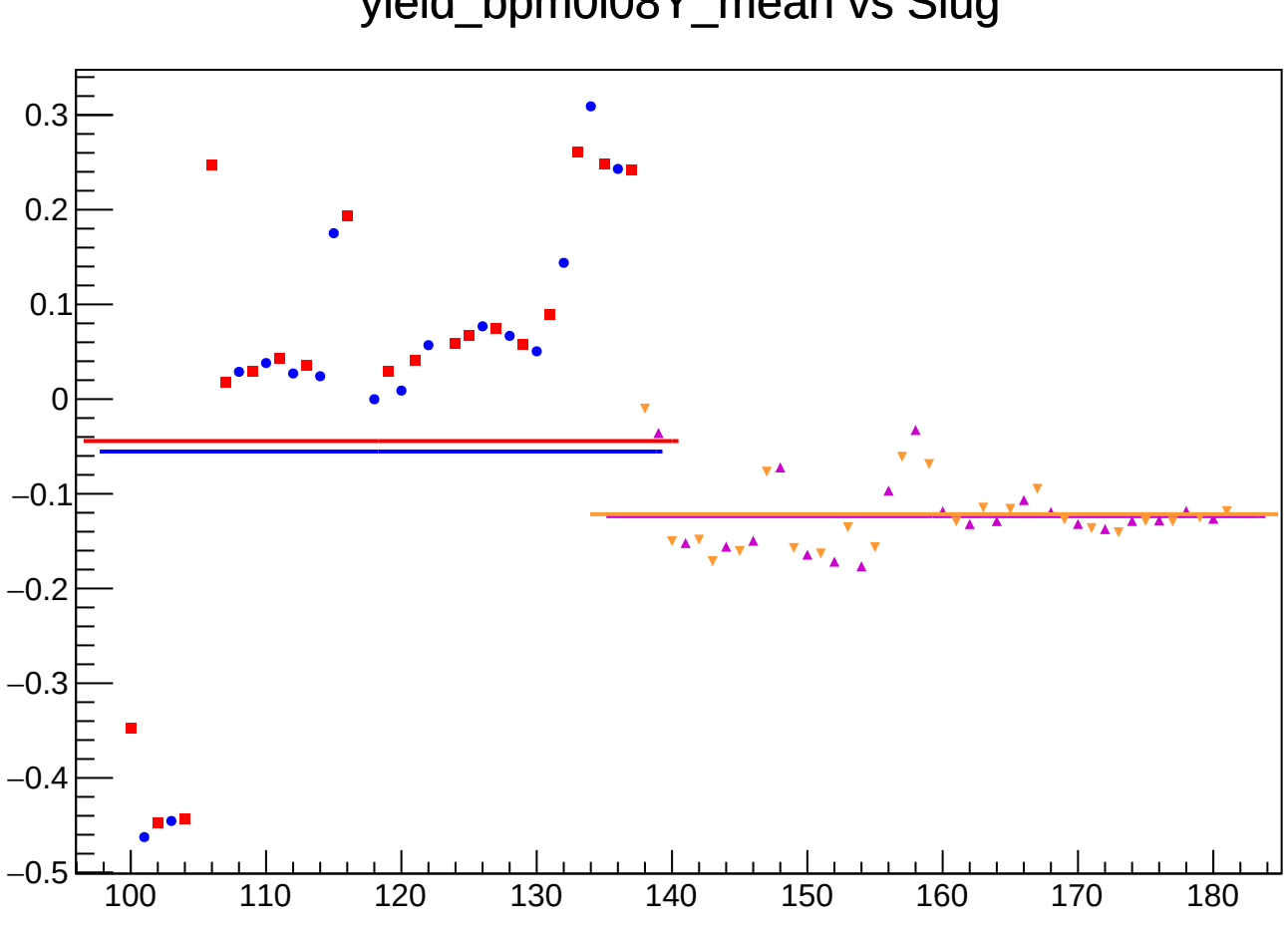
Right Out: 0.010+/-0.000 χ^2/NDF: 136197.0/18

Left In: 0.011+/-0.000 χ^2/NDF:314186.5/20

+ sign 0.011+/-0.000 χ^2/NDF: 649800.0/38

All: 0.011+/-0.000 χ^2/NDF: 1383704.2/78

- sign 0.011+/-0.000 χ^2/NDF: 726055.8/39



Right In: -0.055+/-0.000 χ^2/NDF: 24081939190.6/15

Left Out: -0.122+/-0.000 χ^2/NDF:2919422107.2/22

Right Out: -0.044+/-0.000 χ^2/NDF: 22136167141.7/18

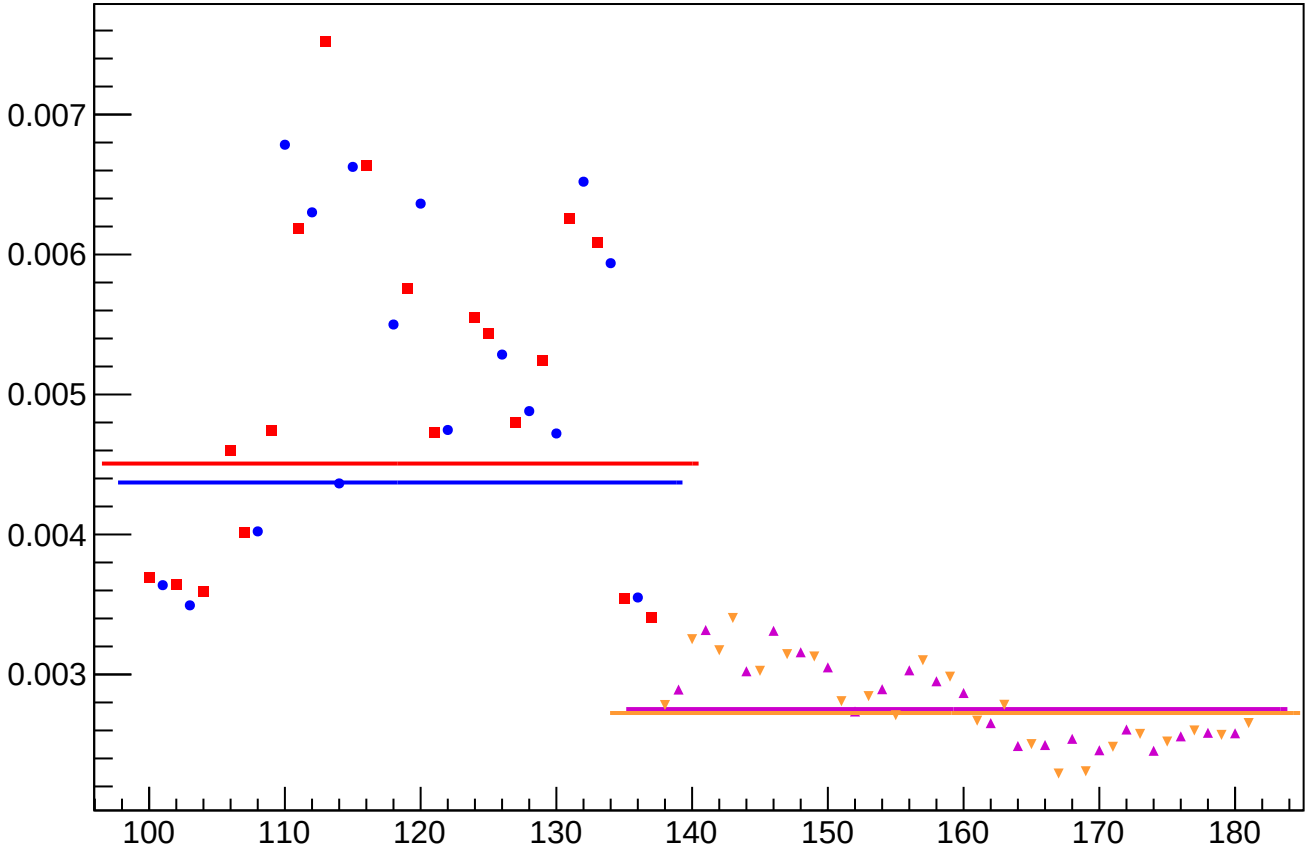
Left In: -0.124+/-0.000 χ^2/NDF:2808425655.9/20

+ sign -0.114+/-0.000 χ^2/NDF: 28232603130.3/38

All: -0.114+/-0.000 χ^2/NDF: 54903565320.2/

- sign -0.114+/-0.000 χ^2/NDF: 26670949847.5/39

yield_bpm0l08Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 660432.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:384884.6/22

Right Out: 0.005+/-0.000 χ^2/NDF: 704549.6/18

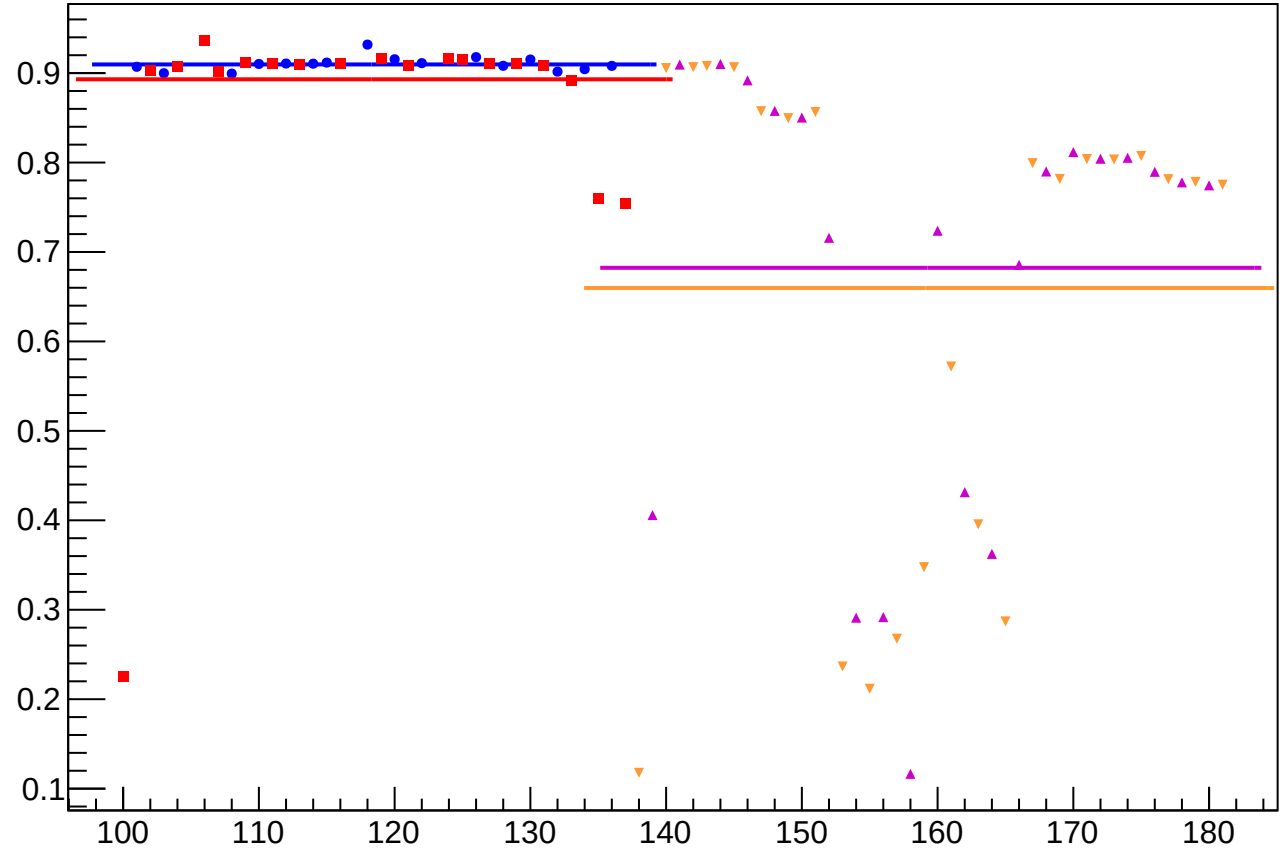
Left In: 0.003+/-0.000 χ^2/NDF:292045.8/20

+ sign 0.003+/-0.000 χ^2/NDF: 2569160.5/38

All: 0.003+/-0.000 χ^2/NDF: 5262830.4/78

- sign 0.003+/-0.000 χ^2/NDF: 2686293.8/39

yield_bpm0l09X_mean vs Slug



Right In: 0.910+/-0.000 χ^2/NDF: 3133349.6/15

Left Out: 0.660+/-0.000 χ^2/NDF:9117677630.9/22

Right Out: 0.893+/-0.000 χ^2/NDF: 327979021.4/18

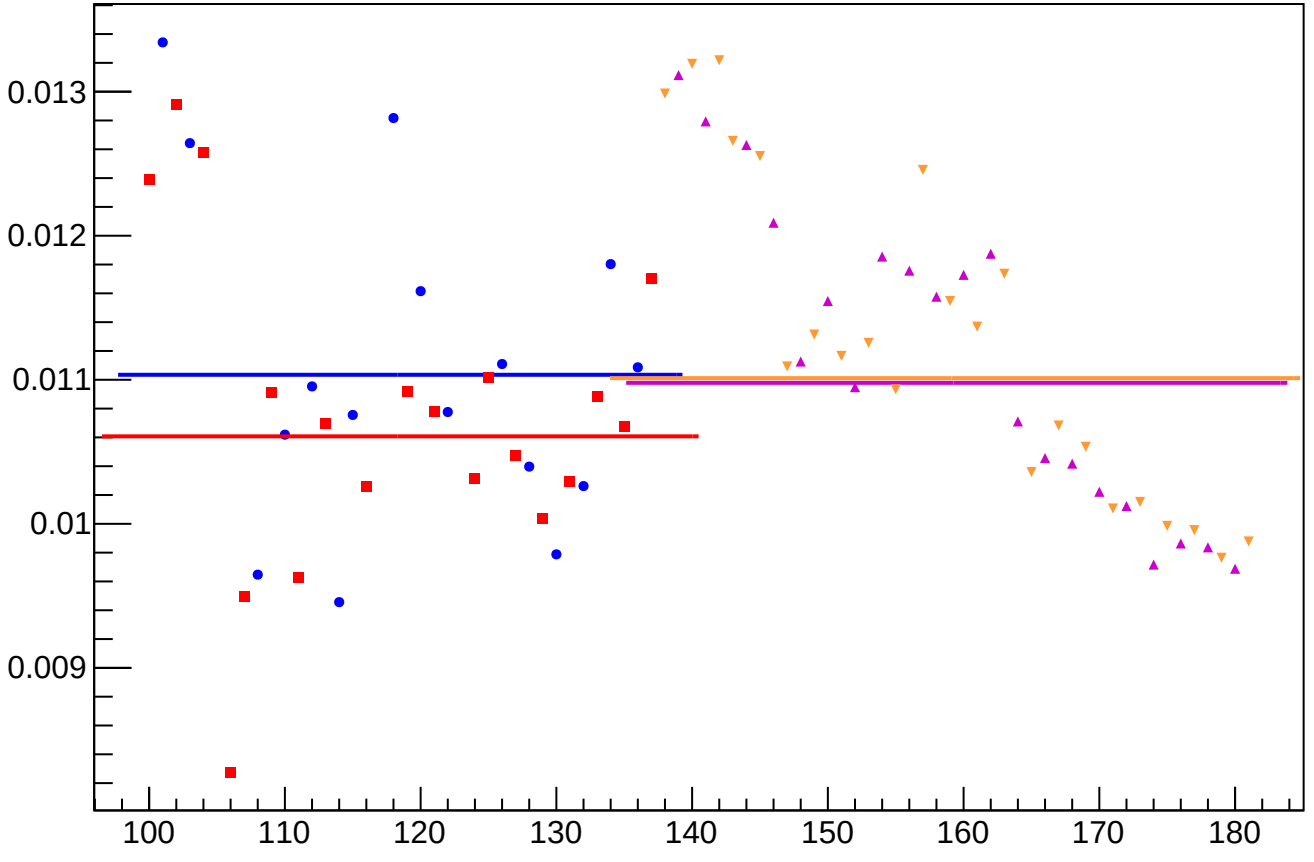
Left In: 0.682+/-0.000 χ^2/NDF:6933103022.5/20

+ sign 0.730+/-0.000 χ^2/NDF: 11651750563.3/38

All: 0.740+/-0.000 χ^2/NDF: 20886643262.1/7

- sign 0.750+/-0.000 χ^2/NDF: 9196796111.9/39

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:297136.1/22

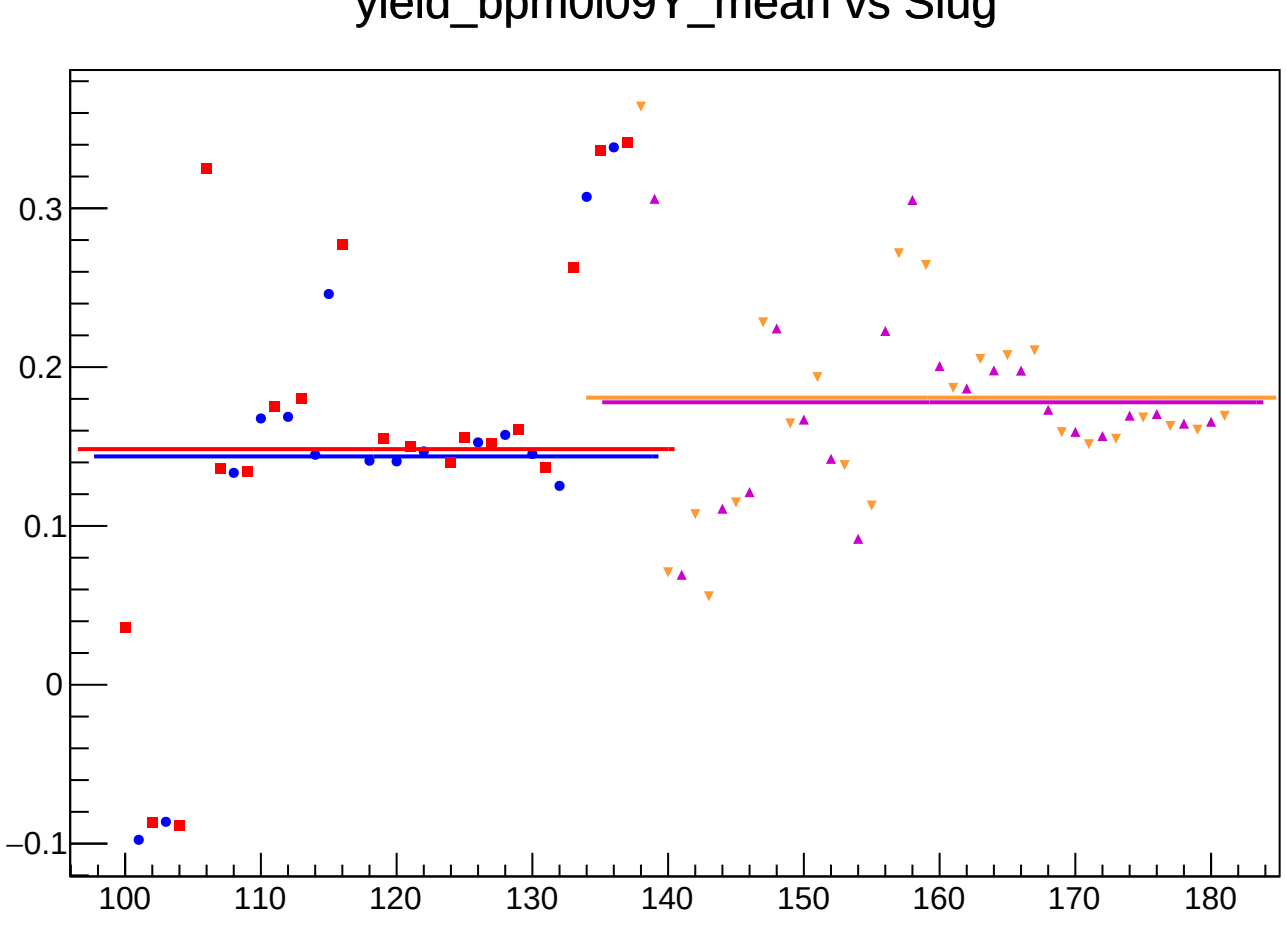
Right Out: 0.011+/-0.000 χ^2/NDF: 143947.4/18

Left In: 0.011+/-0.000 χ^2/NDF:286613.3/20

+ sign 0.011+/-0.000 χ^2/NDF: 427533.5/38

All: 0.011+/-0.000 χ^2/NDF: 875107.8/78

- sign 0.011+/-0.000 χ^2/NDF: 442594.3/39



Right In: 0.144+/-0.000 χ^2/NDF: 7867304536.4/15

Left Out: 0.181+/-0.000 χ^2/NDF:6426272109.0/22

Right Out: 0.148+/-0.000 χ^2/NDF: 7128567107.5/18

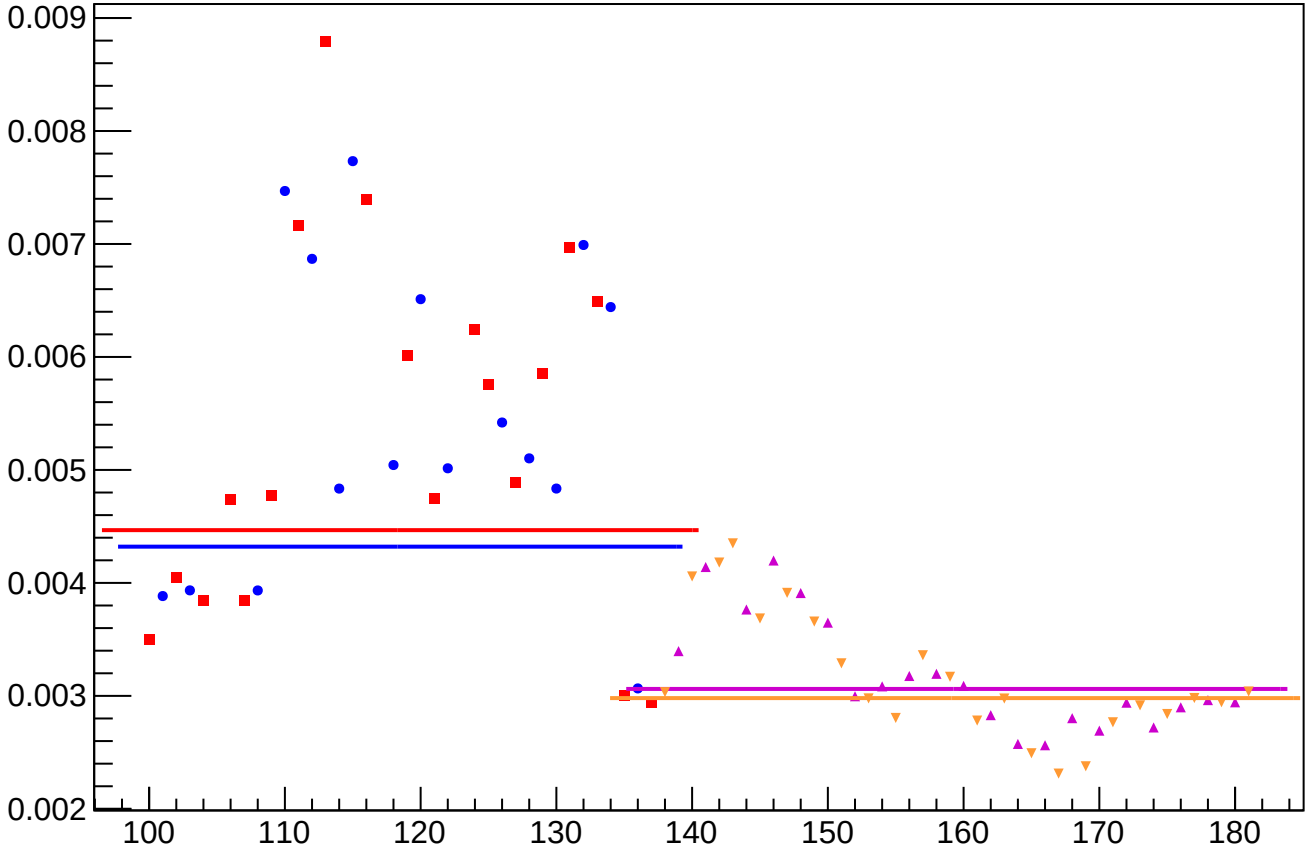
Left In: 0.178+/-0.000 χ^2/NDF:4606904262.9/20

+ sign 0.176+/-0.000 χ^2/NDF: 14654810637.4/38

All: 0.175+/-0.000 χ^2/NDF: 26614861106.4/7

- sign 0.173+/-0.000 χ^2/NDF: 11955096685.4/39

yield_bpm0l09Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 878343.4/15

Left Out: 0.003+/-0.000 χ^2/NDF:844657.8/22

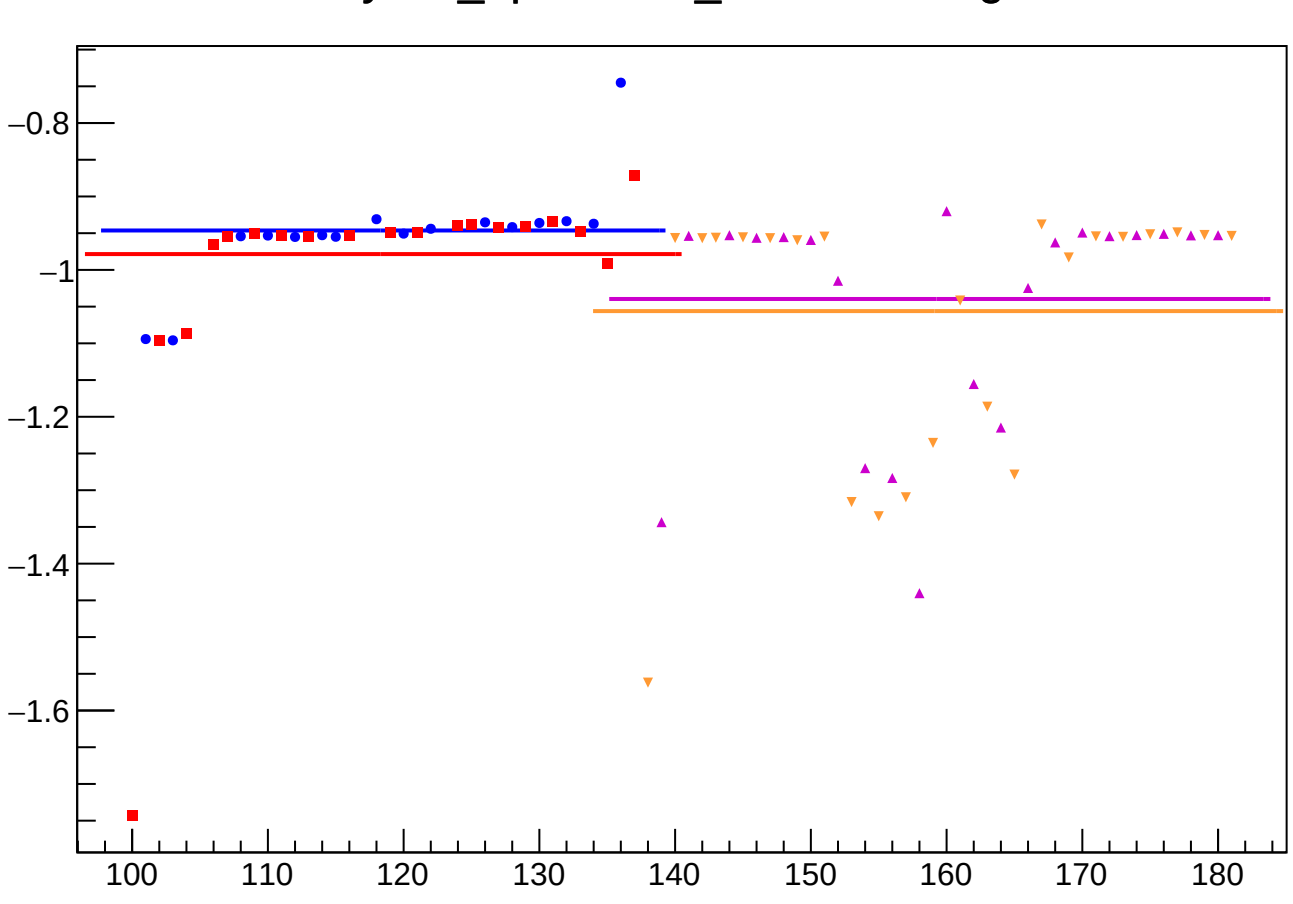
Right Out: 0.004+/-0.000 χ^2/NDF: 1085759.3/18

Left In: 0.003+/-0.000 χ^2/NDF:578465.5/20

+ sign 0.003+/-0.000 χ^2/NDF: 2671258.3/38

All: 0.003+/-0.000 χ^2/NDF: 5357380.5/78

- sign 0.003+/-0.000 χ^2/NDF: 2663347.5/39



Right In: -0.946+/-0.000 χ^2/NDF: 404509465.5/15

Left Out: -1.056+/-0.000 χ^2/NDF:4984168902.0/22

Right Out: -0.978+/-0.000 χ^2/NDF: 461081476.3/18

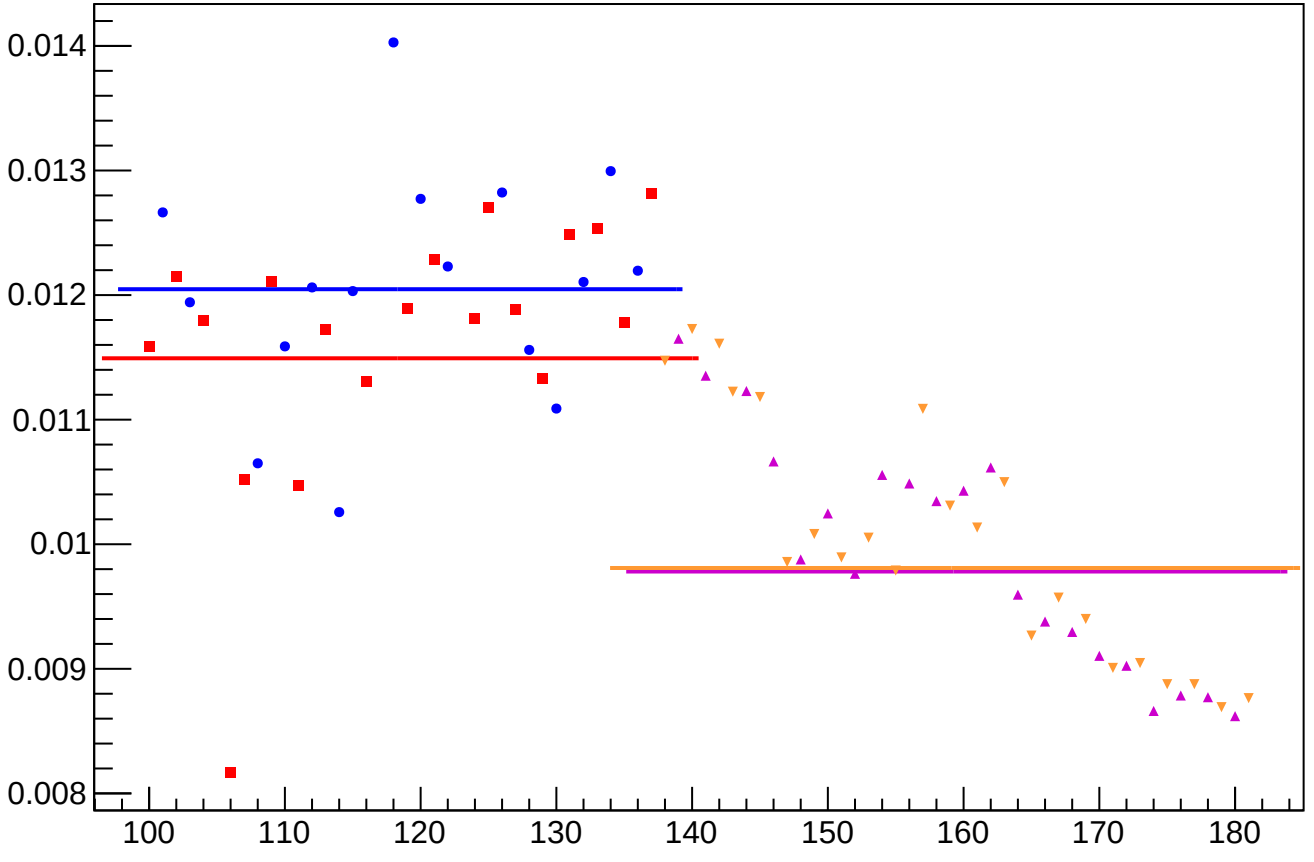
Left In: -1.040+/-0.000 χ^2/NDF:3852796416.9/20

+ sign -1.033+/-0.000 χ^2/NDF: 5841454115.1/38

All: -1.029+/-0.000 χ^2/NDF: 10317718676.3/

- sign -1.025+/-0.000 χ^2/NDF: 4468133709.8/39

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:292153.6/22

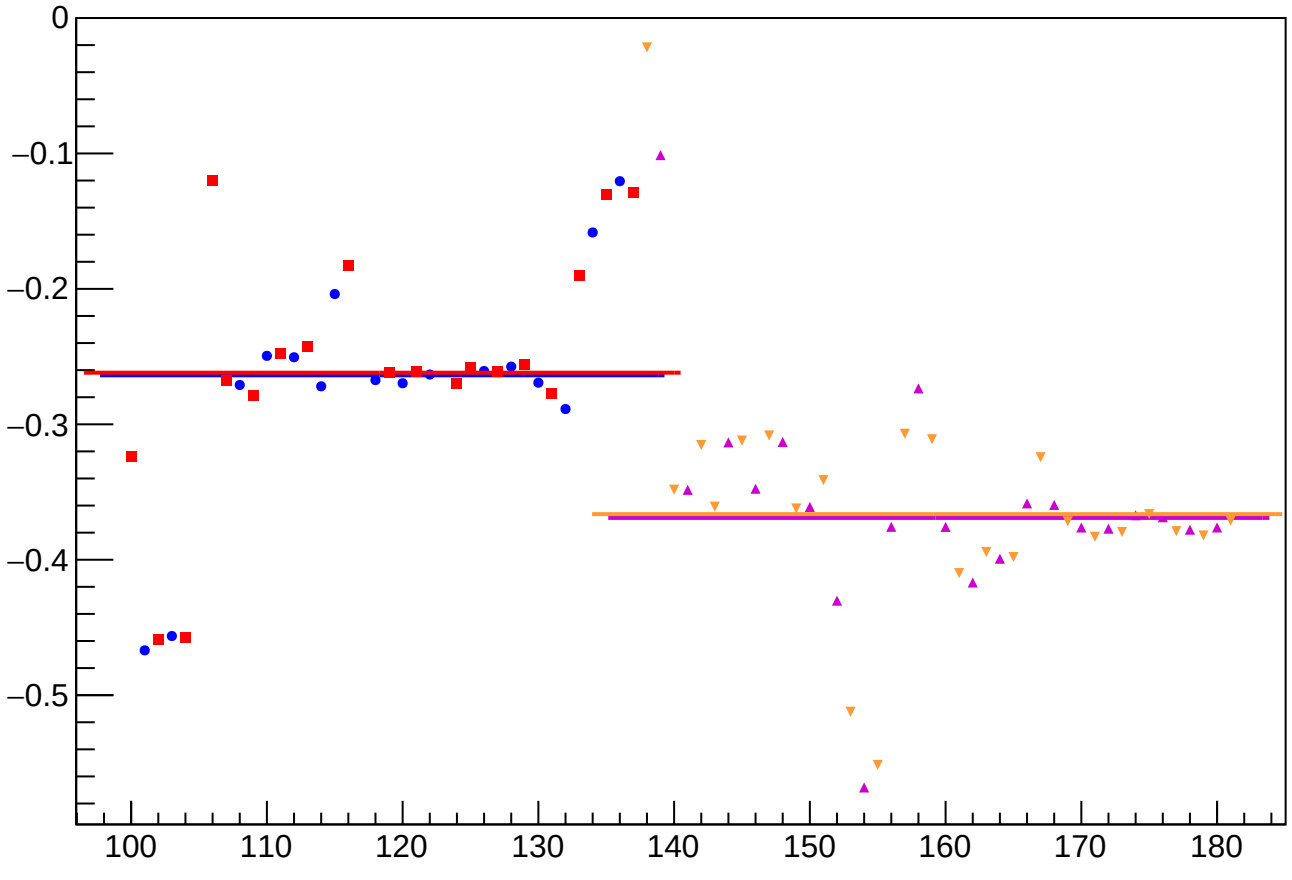
Right Out: 0.011+/-0.000 χ^2/NDF: 151309.4/18

Left In: 0.010+/-0.000 χ^2/NDF:280787.9/20

+ sign 0.010+/-0.000 χ^2/NDF: 730878.6/38

All: 0.010+/-0.000 χ^2/NDF: 1406226.0/78

- sign 0.010+/-0.000 χ^2/NDF: 673836.3/39



Right In: -0.264+/-0.000 χ^2/NDF: 6106171444.3/15

Left Out: -0.366+/-0.000 χ^2/NDF:11939571061.6/22

Right Out: -0.262+/-0.000 χ^2/NDF: 5250043427.3/18

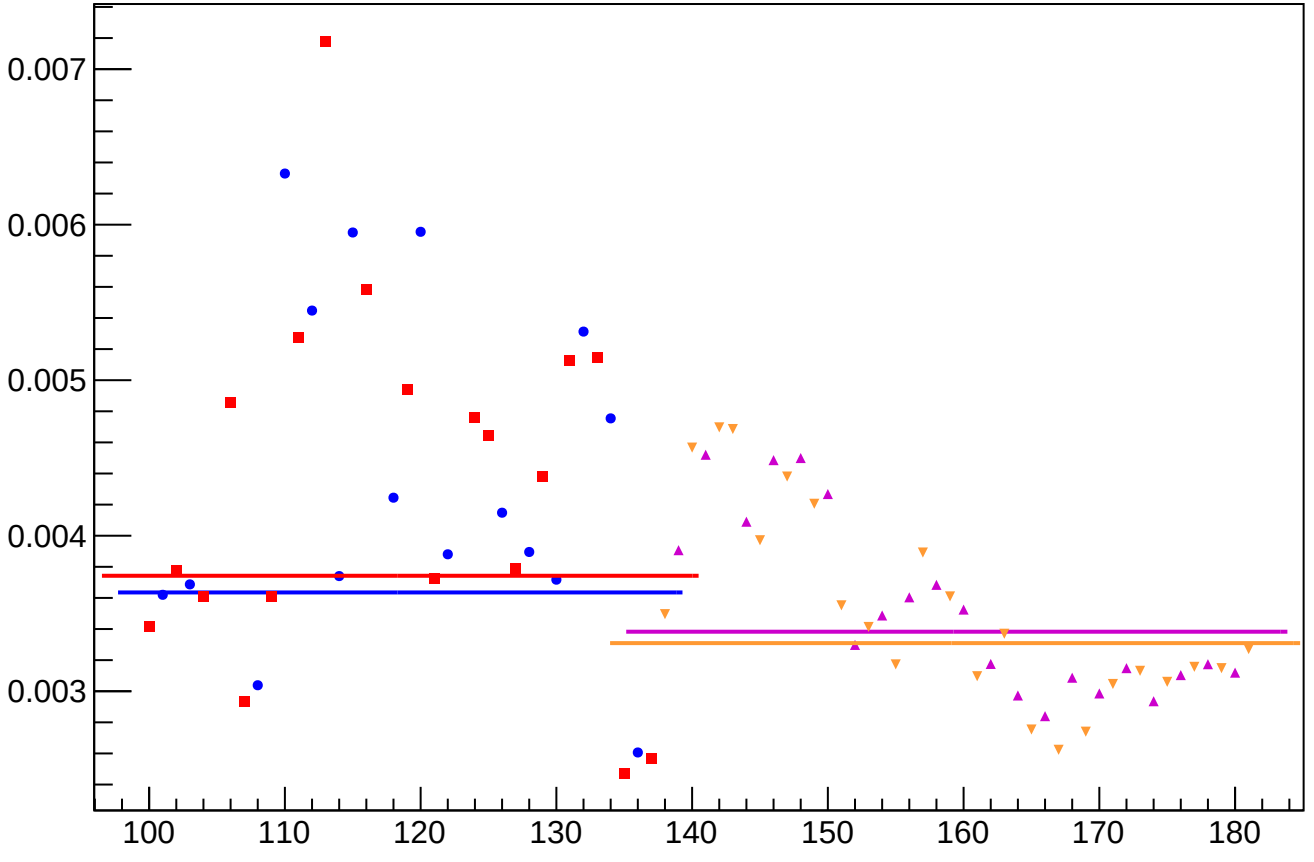
Left In: -0.369+/-0.000 χ^2/NDF:7580064339.7/20

+ sign -0.343+/-0.000 χ^2/NDF: 21610536948.6/38

All: -0.343+/-0.000 χ^2/NDF: 38200740251.2/

- sign -0.343+/-0.000 χ^2/NDF: 16590203137.3/39

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:812429.2/22

Right Out: 0.004+/-0.000 χ^2/NDF: 894189.4/18

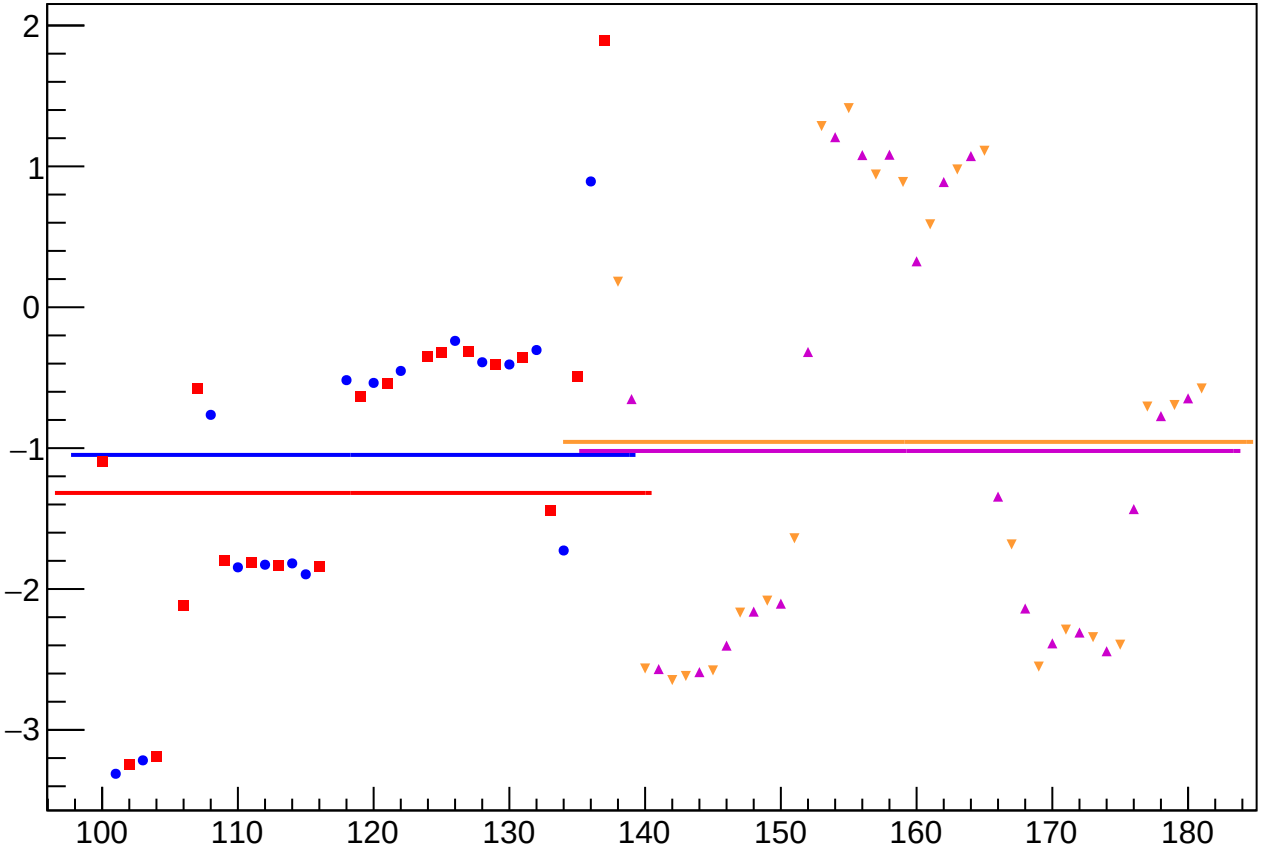
Left In: 0.003+/-0.000 χ^2/NDF:626582.1/20

+ sign 0.003+/-0.000 χ^2/NDF: 1613043.3/38

All: 0.003+/-0.000 χ^2/NDF: 3232549.5/78

- sign 0.003+/-0.000 χ^2/NDF: 1605421.8/39

yield_bpm0r03X_mean vs Slug



Right In: -1.048+/-0.000 χ^2/NDF: 2347020985.5/15

Left Out: -0.956+/-0.000 χ^2/NDF:7206920144.1/22

Right Out: -1.318+/-0.000 χ^2/NDF: 1847995615.1/18

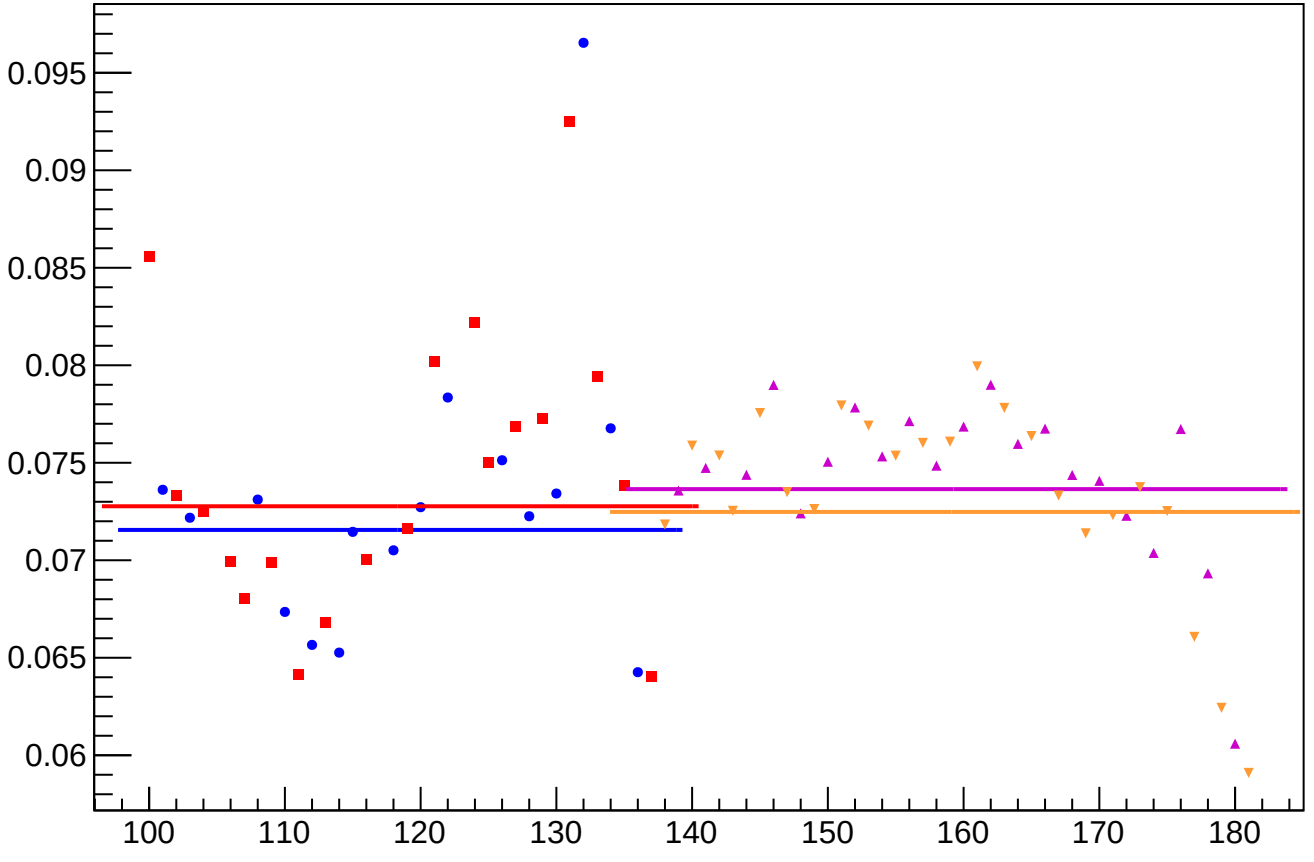
Left In: -1.020+/-0.000 χ^2/NDF:5865062681.3/20

+ sign -0.982+/-0.000 χ^2/NDF: 9562301430.1/38

All: -1.044+/-0.000 χ^2/NDF: 17398529117.0/

- sign -1.111+/-0.000 χ^2/NDF: 7797572754.3/39

yield_bpm0r03X_rms vs Slug



Right In: 0.072+/-0.000 χ^2/NDF: 101238.7/15

Left Out: 0.072+/-0.000 χ^2/NDF:204039.3/22

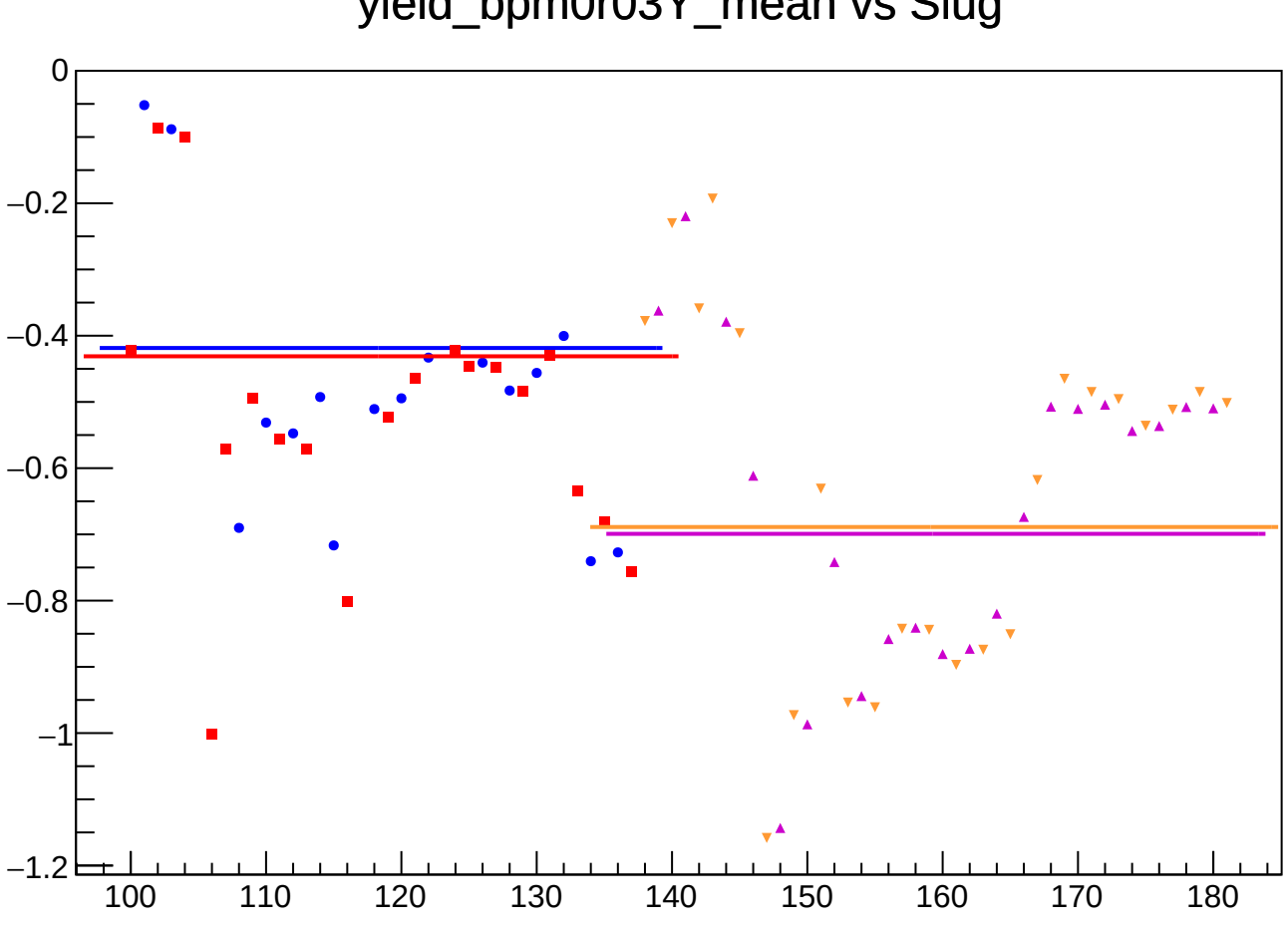
Right Out: 0.073+/-0.000 χ^2/NDF: 96874.2/18

Left In: 0.074+/-0.000 χ^2/NDF:128860.8/20

+ sign 0.072+/-0.000 χ^2/NDF: 306944.5/38

All: 0.073+/-0.000 χ^2/NDF: 540430.2/78

- sign 0.073+/-0.000 χ^2/NDF: 227206.5/39



Right In: -0.419+/-0.000 χ^2/NDF: 3072147227.9/15

Left Out: -0.689+/-0.000 χ^2/NDF:21295510611.5/22

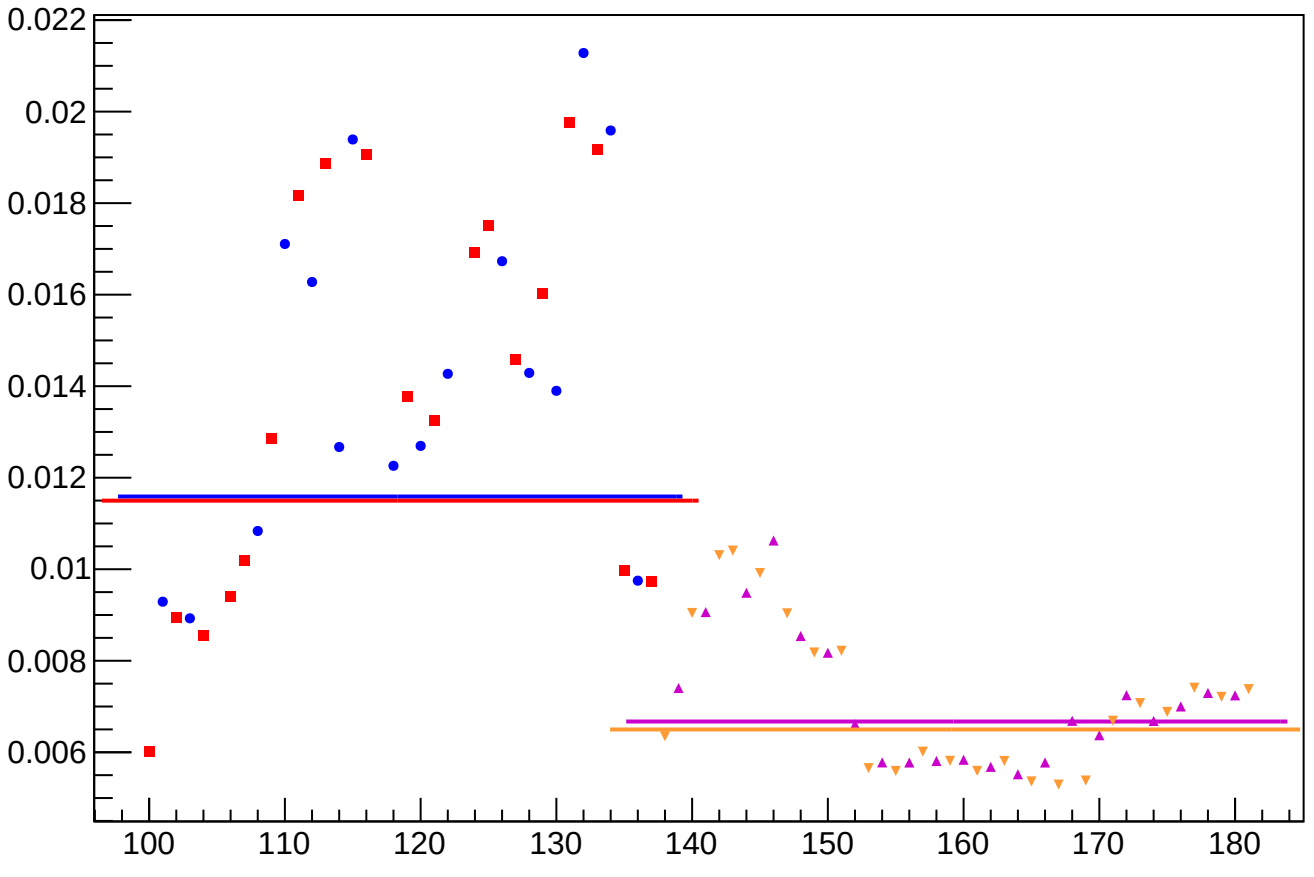
Right Out: -0.431+/-0.000 χ^2/NDF: 3196655095.4/18

Left In: -0.699+/-0.000 χ^2/NDF:16236447435.0/20

+ sign -0.662+/-0.000 χ^2/NDF: 27282655856.6/38

All: -0.665+/-0.000 χ^2/NDF: 49620222919.4/

- sign -0.669+/-0.000 χ^2/NDF: 22326836471.6/39



Right In: 0.012+/-0.000 χ^2/NDF: 786260.7/15

Left Out: 0.006+/-0.000 χ^2/NDF:1309288.2/22

Right Out: 0.011+/-0.000 χ^2/NDF: 1164657.0/18

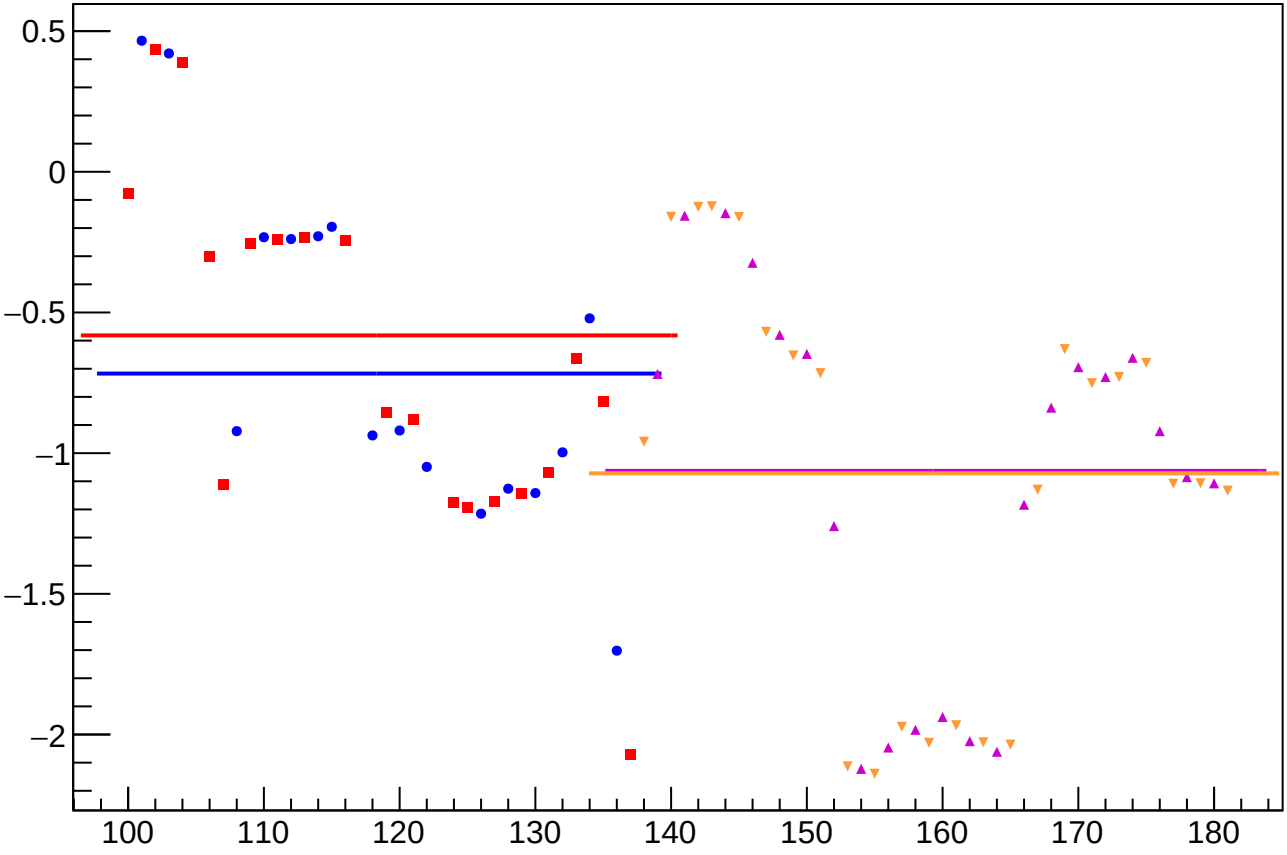
Left In: 0.007+/-0.000 χ^2/NDF:917964.5/20

+ sign 0.007+/-0.000 χ^2/NDF: 4163714.8/38

All: 0.007+/-0.000 χ^2/NDF: 8140585.5/78

- sign 0.007+/-0.000 χ^2/NDF: 3958681.2/39

yield_bpm0r05X_mean vs Slug



Right In: -0.717+/-0.000 χ^2/NDF: 437423792.4/15

Left Out: -1.072+/-0.000 χ^2/NDF:1149056628.3/22

Right Out: -0.582+/-0.000 χ^2/NDF: 342062039.8/18

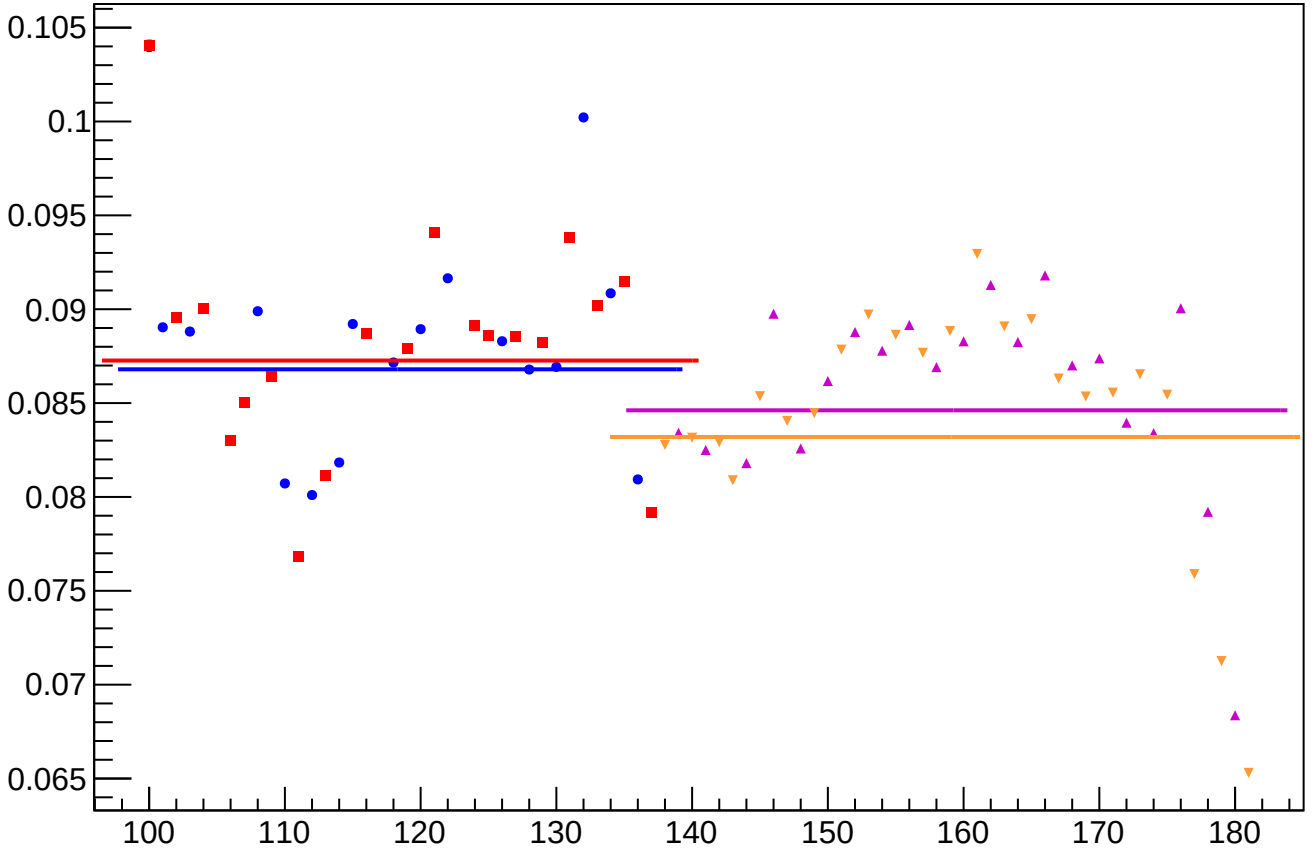
Left In: -1.063+/-0.000 χ^2/NDF:973415846.0/20

+ sign -0.977+/-0.000 χ^2/NDF: 1674308232.0/38

All: -0.951+/-0.000 χ^2/NDF: 3155507371.0/7

- sign -0.923+/-0.000 χ^2/NDF: 1476100188.8/39

yield_bpm0r05X_rms vs Slug



Right In: 0.087+/-0.000 χ^2/NDF: 43575.8/15

Left Out: 0.083+/-0.000 χ^2/NDF:259590.0/22

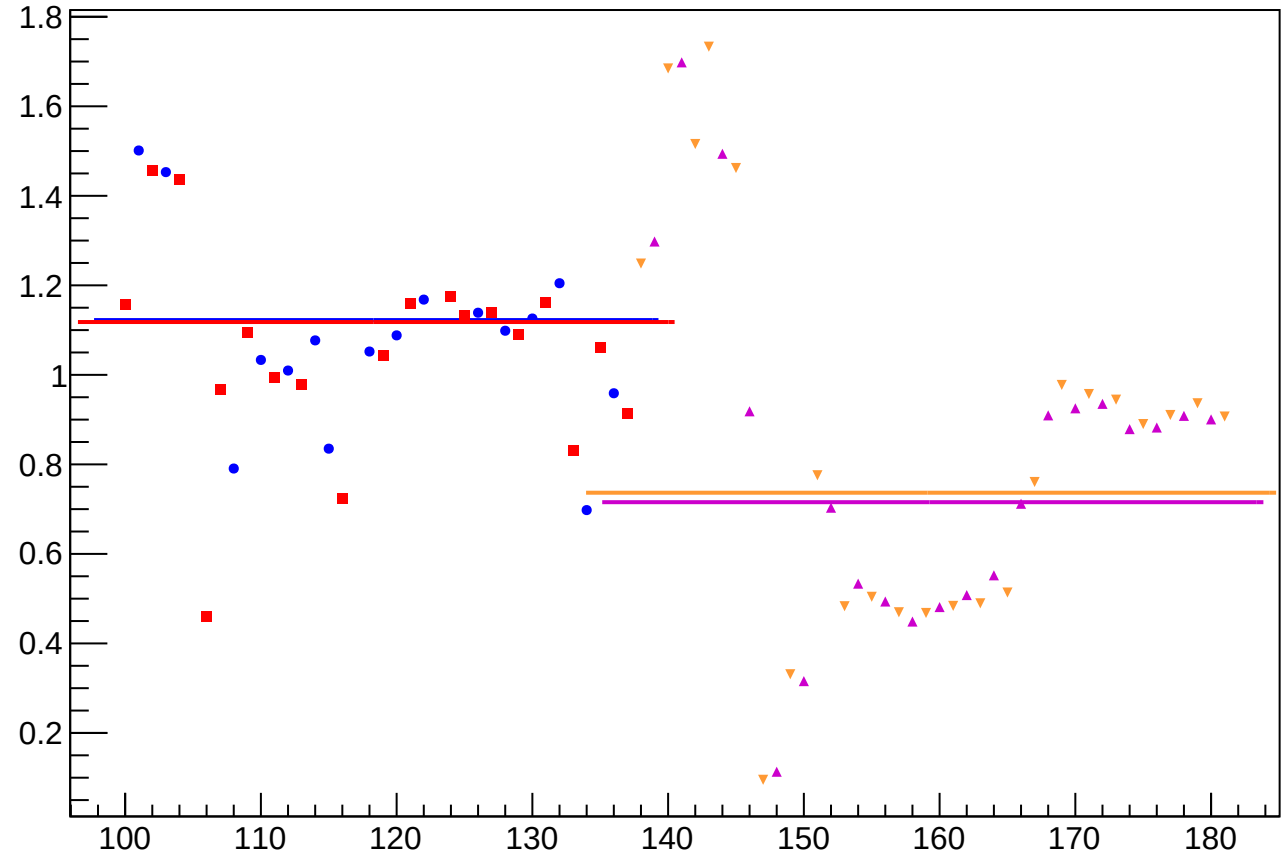
Right Out: 0.087+/-0.000 χ^2/NDF: 46163.9/18

Left In: 0.085+/-0.000 χ^2/NDF:161091.8/20

+ sign 0.084+/-0.000 χ^2/NDF: 321307.5/38

All: 0.085+/-0.000 χ^2/NDF: 543548.7/78

- sign 0.085+/-0.000 χ^2/NDF: 216996.3/39



Right In: 1.122+/-0.000 χ^2/NDF: 1454303379.1/15

Left Out: 0.737+/-0.000 χ^2/NDF:32256091852.2/22

Right Out: 1.118+/-0.000 χ^2/NDF: 1570269350.9/18

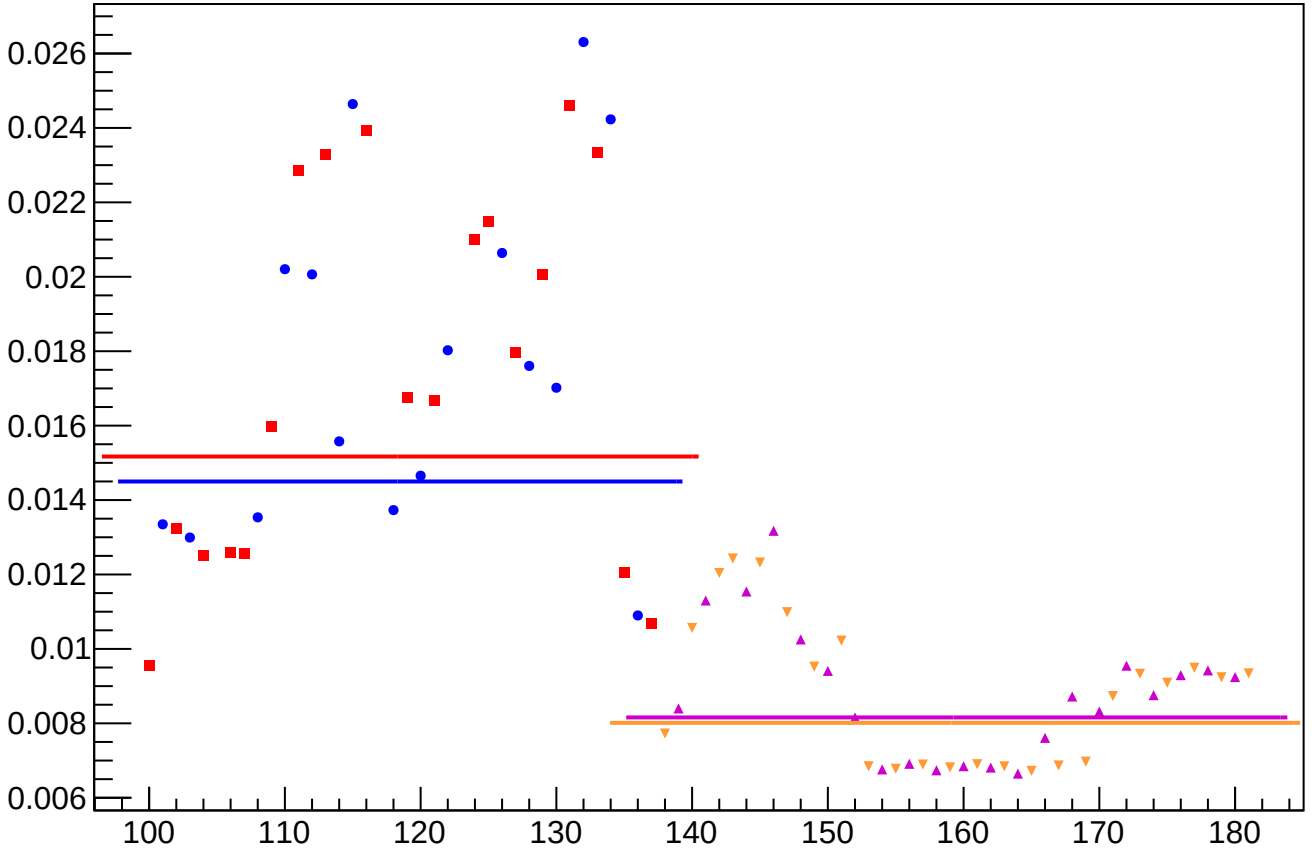
Left In: 0.716+/-0.000 χ^2/NDF:25229631903.5/20

+ sign 0.774+/-0.000 χ^2/NDF: 37521855851.2/38

All: 0.766+/-0.000 χ^2/NDF: 68250532050.9/7

- sign 0.756+/-0.000 χ^2/NDF: 30682606174.8/39

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:1330511.3/22

Right Out: 0.015+/-0.000 χ^2/NDF: 864637.6/18

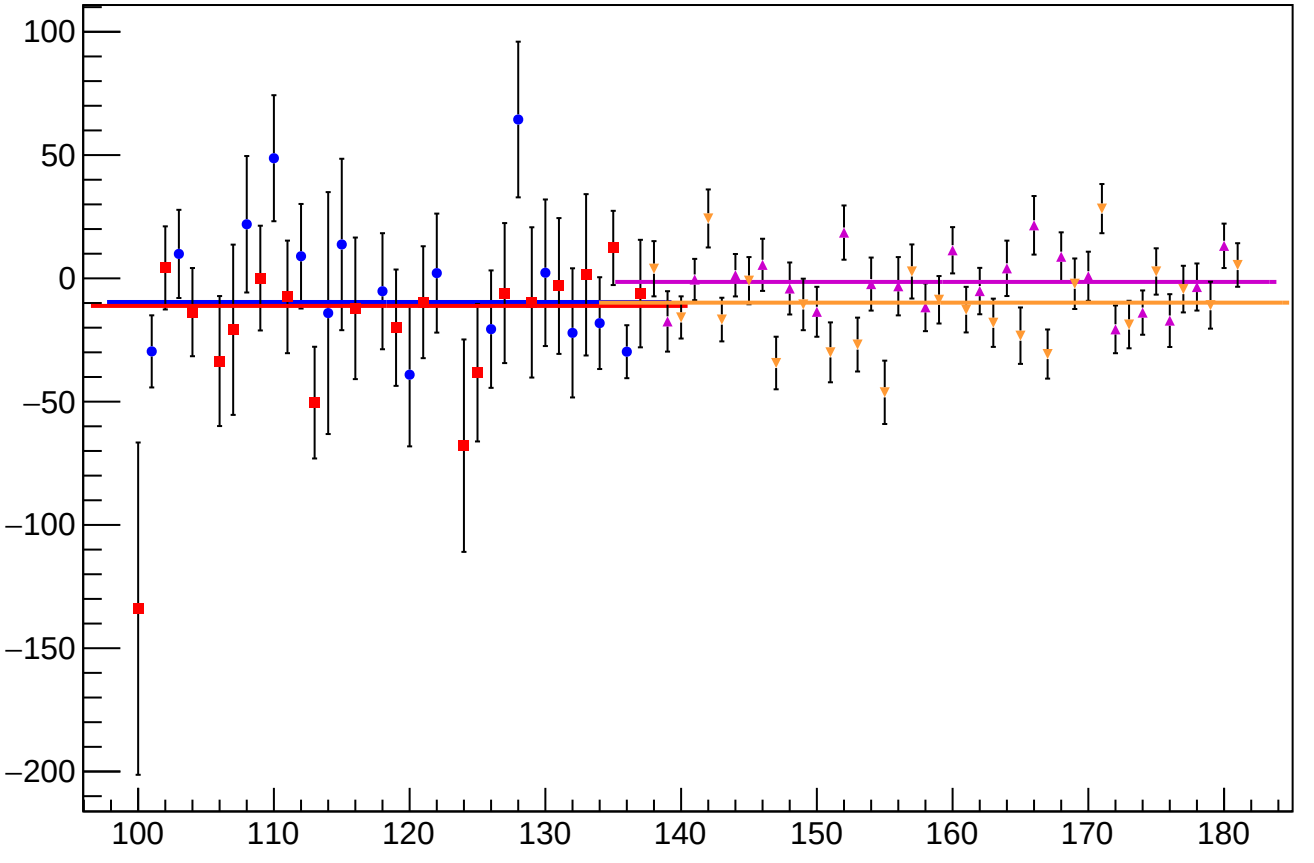
Left In: 0.008+/-0.000 χ^2/NDF:1086449.9/20

+ sign 0.009+/-0.000 χ^2/NDF: 4196463.2/38

All: 0.009+/-0.000 χ^2/NDF: 8516810.7/78

- sign 0.009+/-0.000 χ^2/NDF: 4307127.0/39

diff_bpm4aX_mean vs Slug



Right In: -9.581+/-5.291 χ^2/NDF: 21.9/15

Left Out: -9.851+/-2.097 χ^2/NDF:59.4/22

Right Out: -11.177+/-5.497 χ^2/NDF: 13.9/18

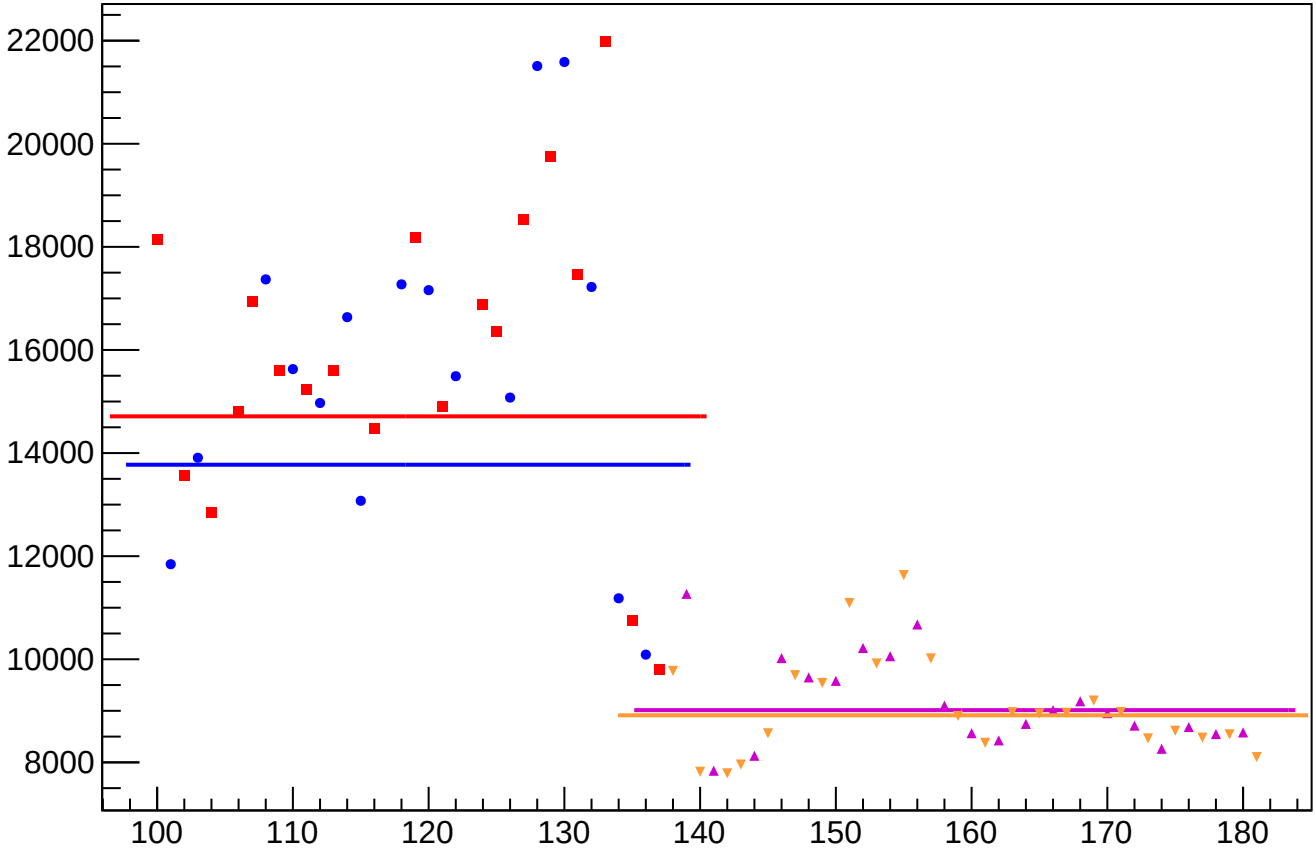
Left In: -1.445+/-2.183 χ^2/NDF:26.0/20

+ sign -9.815+/-1.950 χ^2/NDF: 81.3/38

All: -6.433+/-1.406 χ^2/NDF: 130.2/78

- sign -2.771+/-2.029 χ^2/NDF: 42.6/39

diff_bpm4aX_rms vs Slug



Right In: 13773.886+/-3.741 χ^2/NDF: 747586.2/15

Left Out: 8913.285+/-1.483 χ^2/NDF:336605.6/22

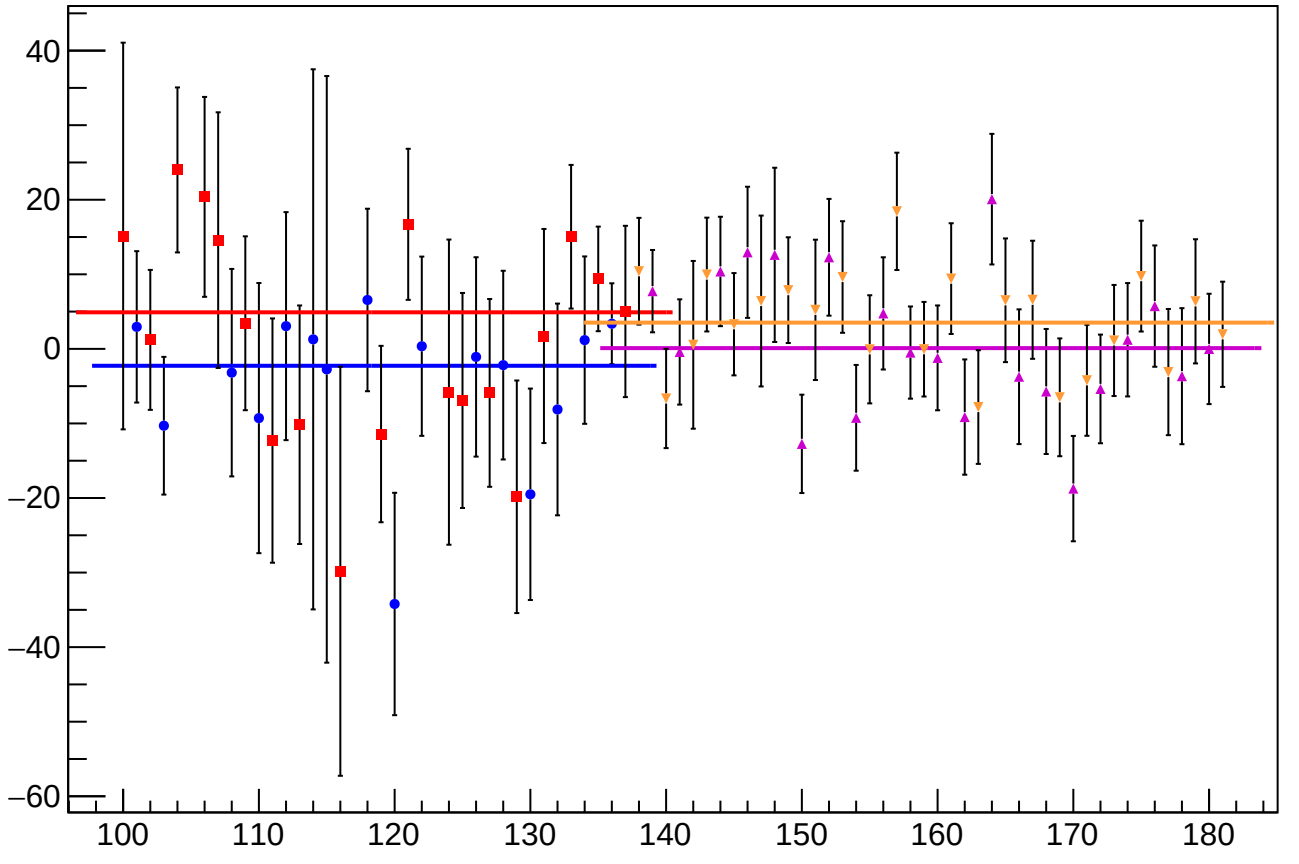
Right Out: 14712.201+/-3.887 χ^2/NDF: 557305.5/18

Left In: 9013.290+/-1.544 χ^2/NDF:284001.0/20

+ sign 9573.294+/-1.379 χ^2/NDF: 2543028.0/38

All: 9677.123+/-0.994 χ^2/NDF: 5252850.6/78

- sign 9789.566+/-1.435 χ^2/NDF: 2698006.8/39



Right In: -2.267+/-2.922 χ^2/NDF: 9.3/15

Left Out: 3.522+/-1.602 χ^2/NDF:16.7/22

Right Out: 4.904+/-2.836 χ^2/NDF: 17.6/18

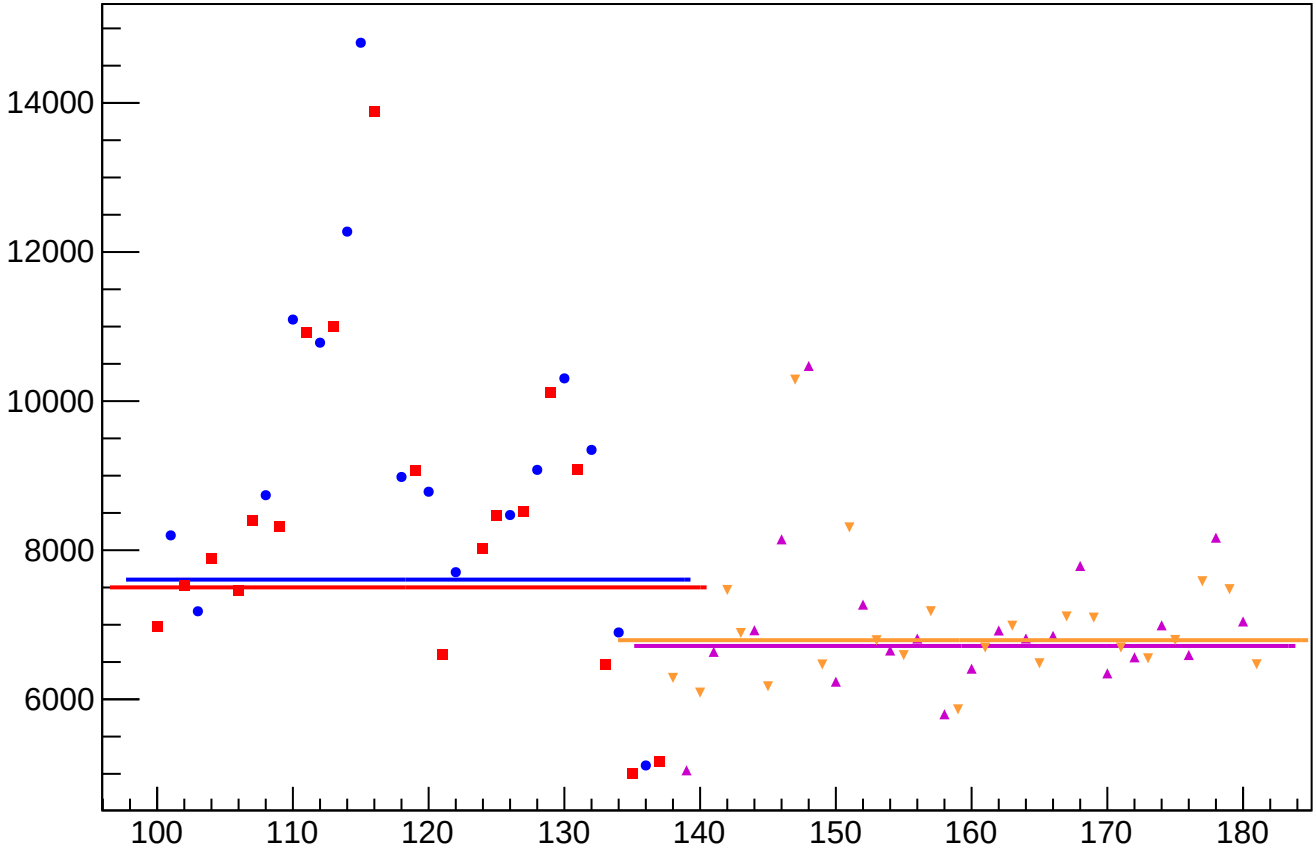
Left In: 0.101+/-1.638 χ^2/NDF:31.2/20

+ sign 2.184+/-1.405 χ^2/NDF: 29.1/38

All: 1.747+/-0.998 χ^2/NDF: 80.2/78

- sign 1.302+/-1.418 χ^2/NDF: 50.9/39

diff_bpm4aY_rms vs Slug



Right In: 7605.700+/-2.066 χ^2/NDF: 891494.3/15

Left Out: 6792.819+/-1.133 χ^2/NDF:395552.8/22

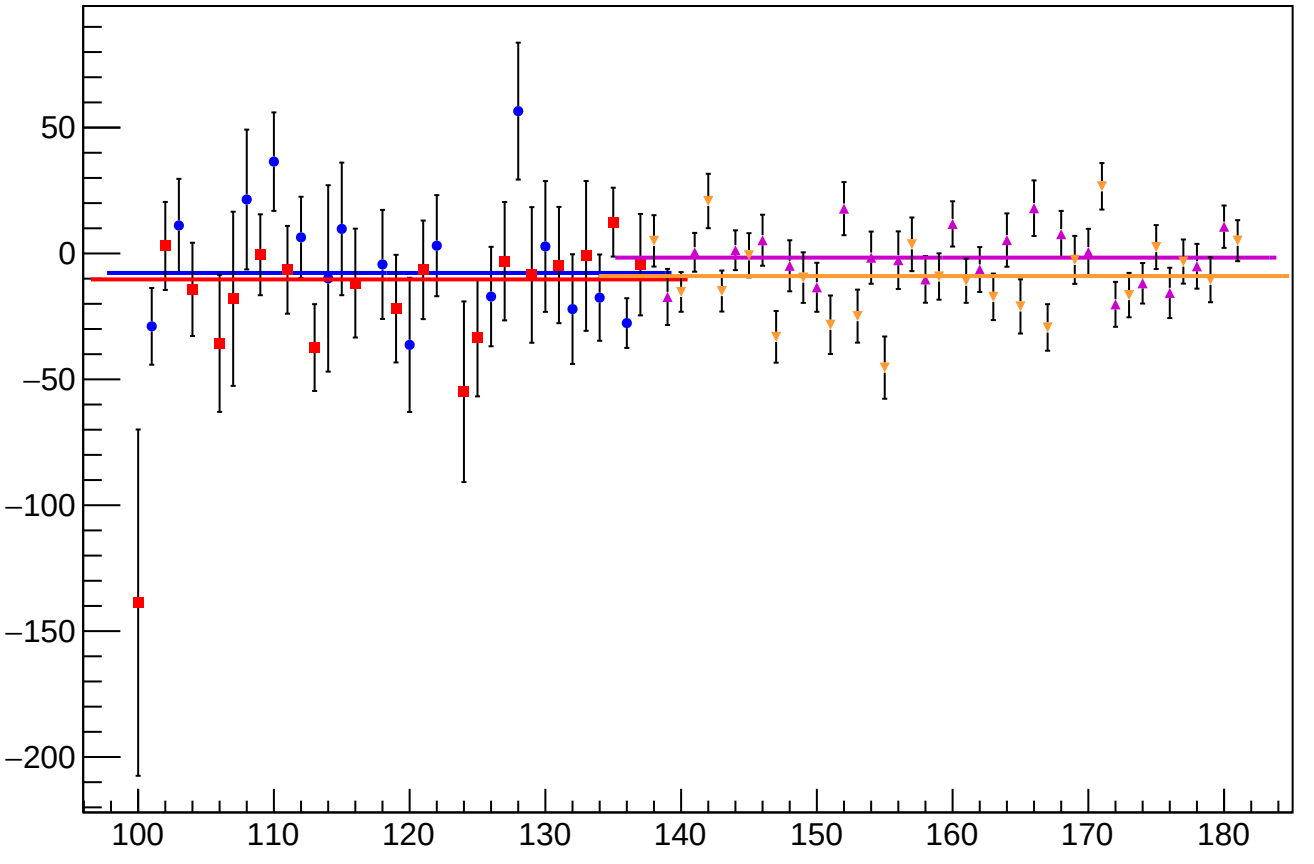
Right Out: 7501.522+/-2.005 χ^2/NDF: 823557.5/18

Left In: 6715.563+/-1.158 χ^2/NDF:611870.8/20

+ sign 6980.688+/-0.993 χ^2/NDF: 1406054.3/38

All: 6946.753+/-0.706 χ^2/NDF: 2959031.4/78

- sign 6912.158+/-1.003 χ^2/NDF: 1550620.1/39



Right In: -7.741+/-4.748 χ^2/NDF: 22.7/15

Left Out: -8.969+/-1.962 χ^2/NDF:60.4/22

Right Out: -10.307+/-4.840 χ^2/NDF: 13.9/18

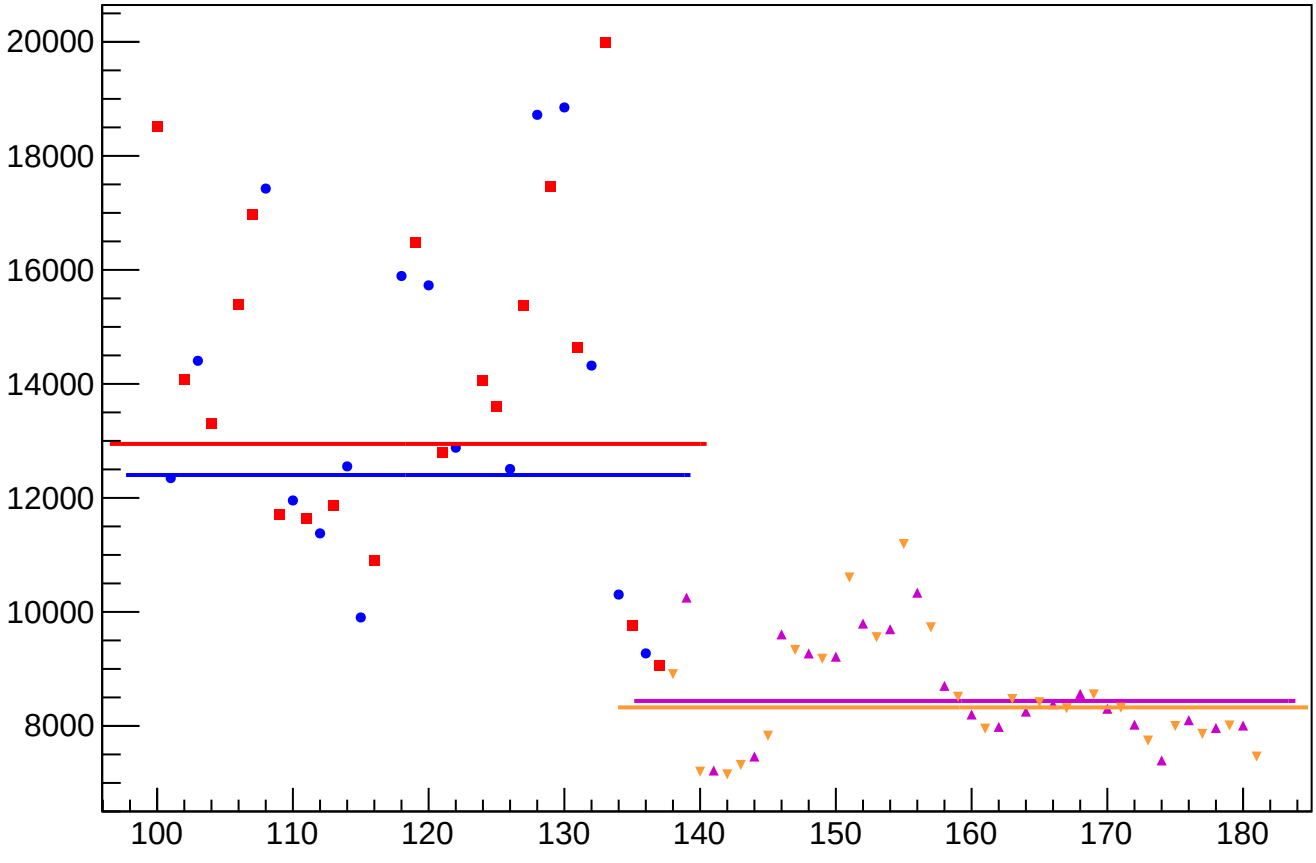
Left In: -1.654+/-2.046 χ^2/NDF:25.8/20

+ sign -8.790+/-1.813 χ^2/NDF: 83.2/38

All: -5.991+/-1.307 χ^2/NDF: 130.6/78

- sign -2.966+/-1.885 χ^2/NDF: 42.5/39

diff_bpm4eX_rms vs Slug



Right In: 12401.769+/-3.357 χ^2/NDF: 678310.8/15

Left Out: 8325.216+/-1.387 χ^2/NDF:437016.6/22

Right Out: 12947.255+/-3.422 χ^2/NDF: 555198.3/18

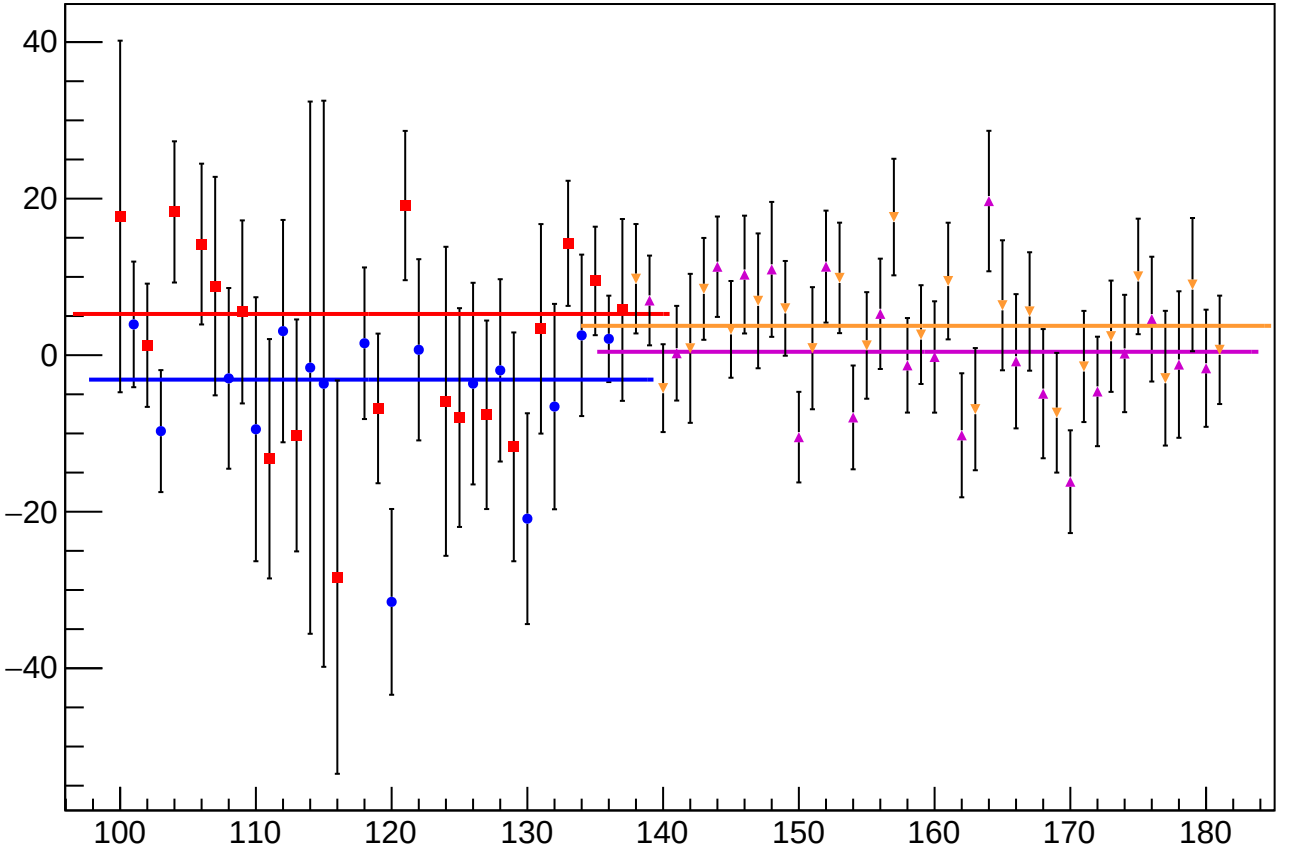
Left In: 8437.913+/-1.447 χ^2/NDF:365026.8/20

+ sign 8919.598+/-1.282 χ^2/NDF: 2374606.9/38

All: 9016.709+/-0.924 χ^2/NDF: 4779782.8/78

- sign 9121.625+/-1.333 χ^2/NDF: 2393239.1/39

diff_bpm4eY_mean vs Slug



Right In: -3.123+/-2.656 χ^2/NDF: 10.9/15

Left Out: 3.750+/-1.500 χ^2/NDF:15.4/22

Right Out: 5.265+/-2.553 χ^2/NDF: 16.9/18

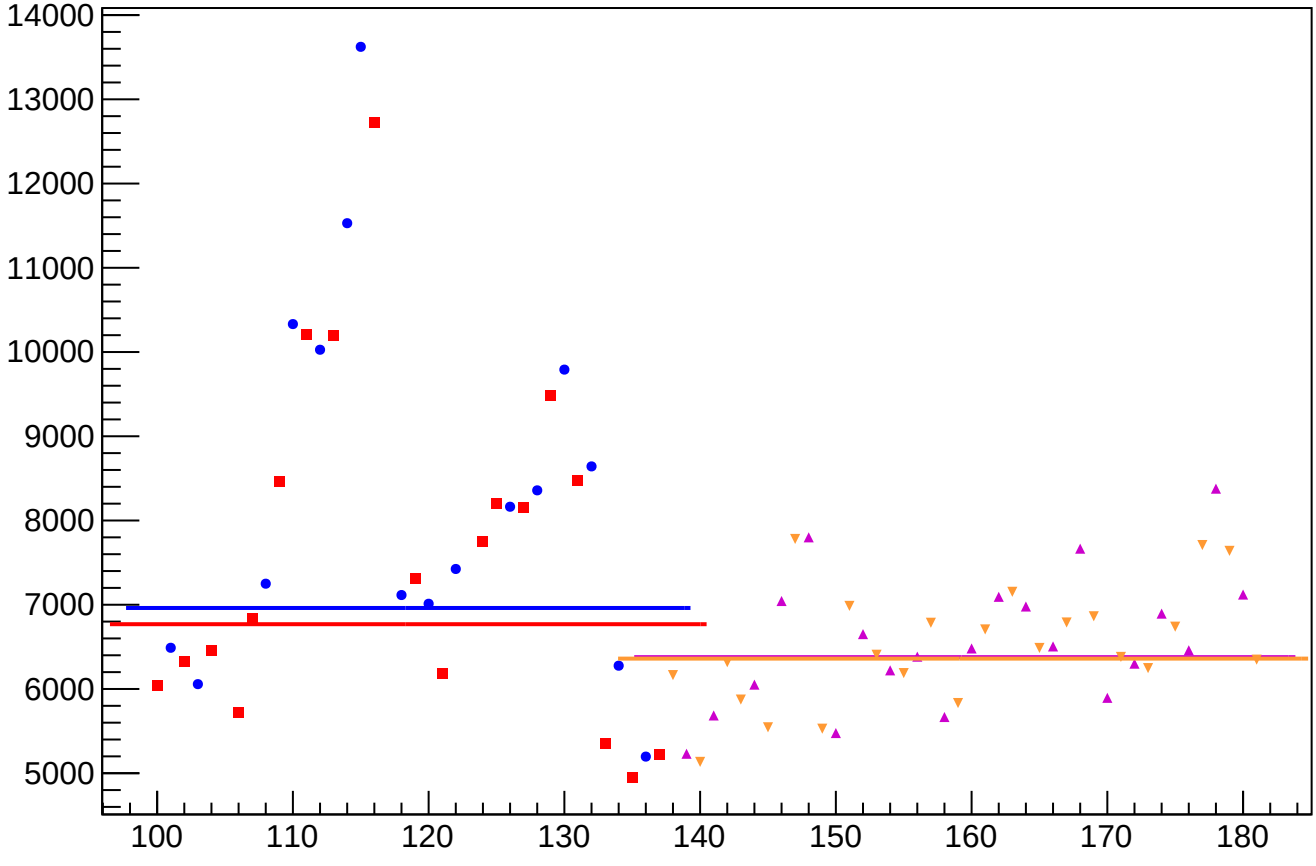
Left In: 0.431+/-1.551 χ^2/NDF:29.6/20

+ sign 2.088+/-1.306 χ^2/NDF: 31.4/38

All: 1.914+/-0.930 χ^2/NDF: 80.5/78

- sign 1.734+/-1.326 χ^2/NDF: 49.1/39

diff_bpm4eY_rms vs Slug



Right In: 6961.606+/-1.878 χ^2/NDF: 696410.4/15

Left Out: 6360.518+/-1.060 χ^2/NDF:410505.3/22

Right Out: 6768.993+/-1.805 χ^2/NDF: 798105.0/18

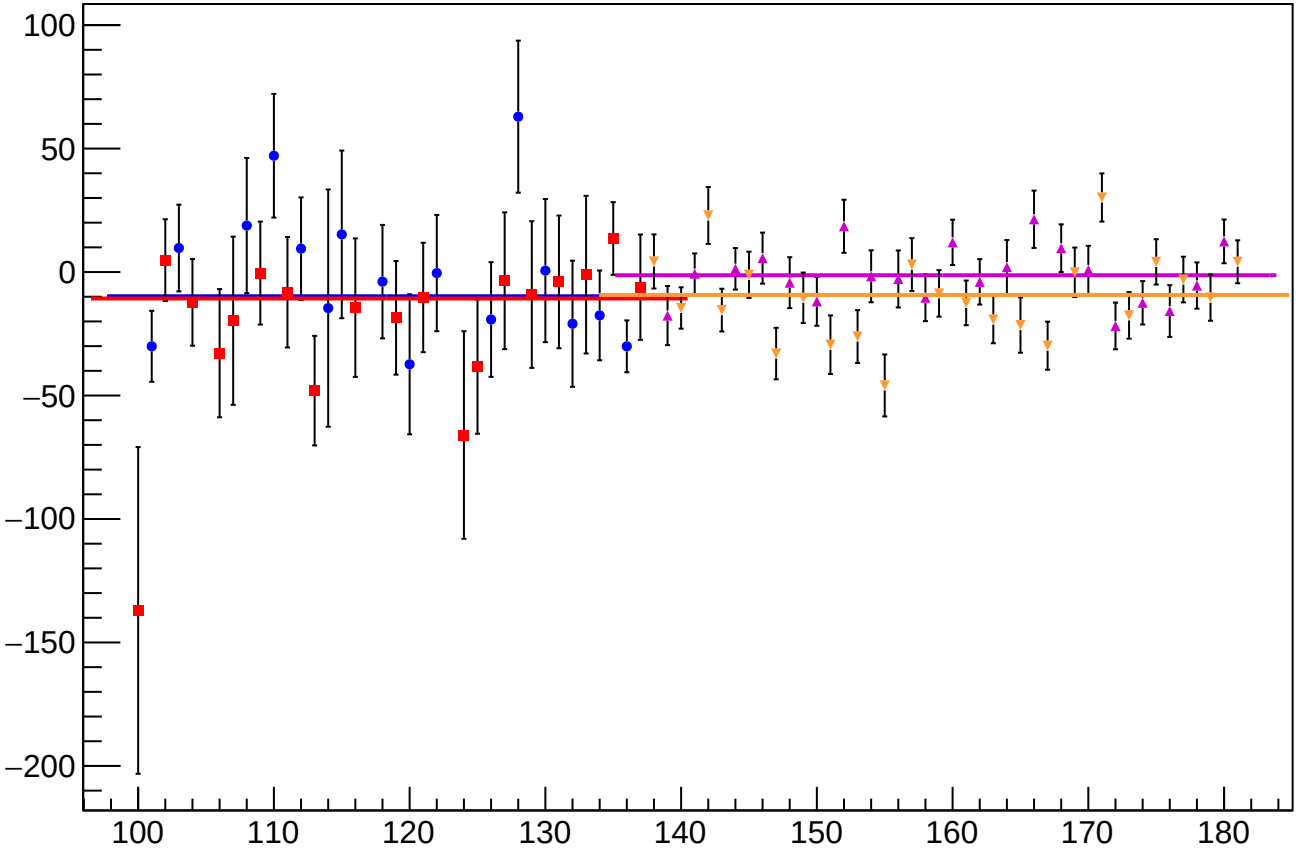
Left In: 6378.059+/-1.097 χ^2/NDF:468445.0/20

+ sign 6505.837+/-0.923 χ^2/NDF: 1184605.6/38

All: 6494.808+/-0.658 χ^2/NDF: 2485698.2/78

- sign 6483.443+/-0.937 χ^2/NDF: 1300802.9/39

diff_bpm4acX_mean vs Slug



Right In: -9.810+/-5.178 χ^2/NDF: 22.0/15

Left Out: -9.270+/-2.052 χ^2/NDF:61.3/22

Right Out: -10.703+/-5.381 χ^2/NDF: 14.3/18

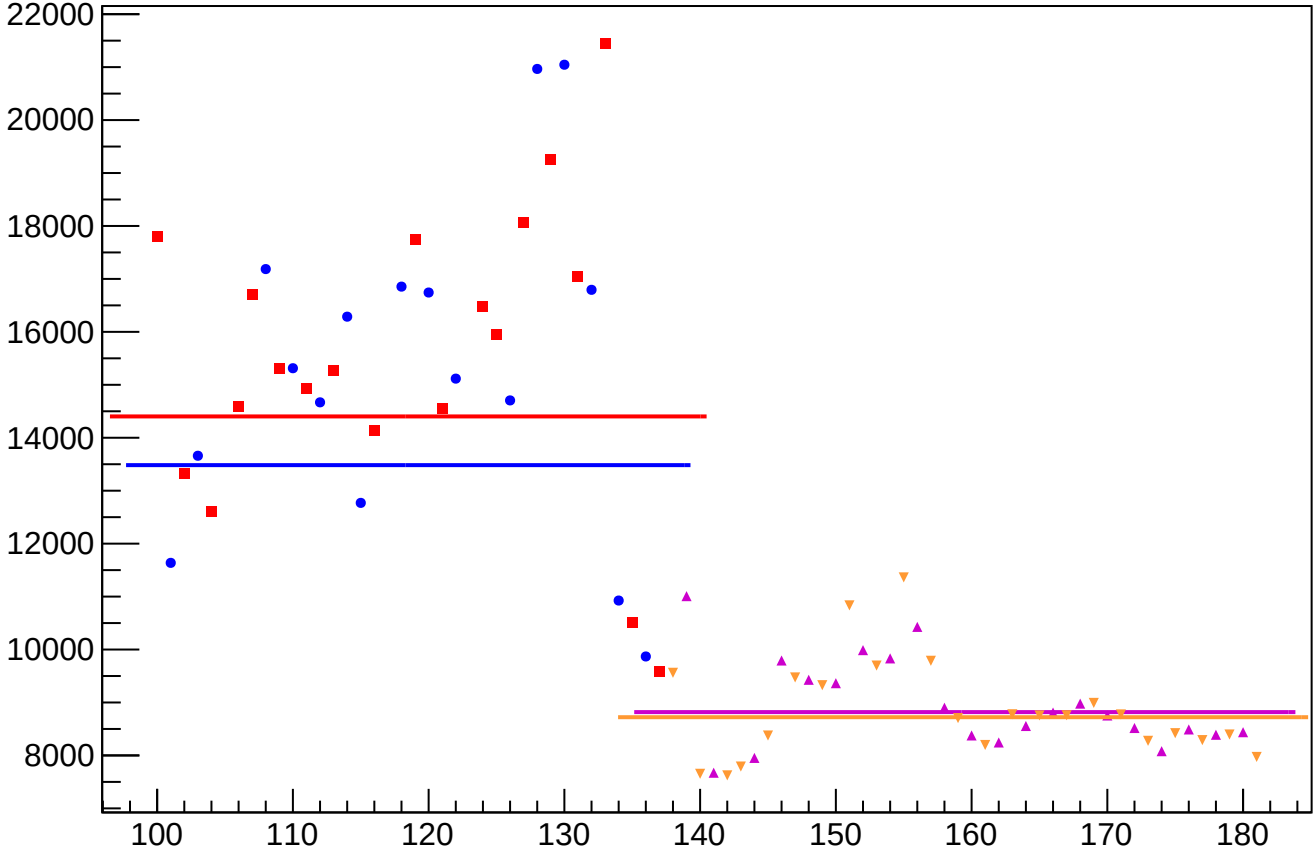
Left In: -1.295+/-2.136 χ^2/NDF:26.2/20

+ sign -9.343+/-1.908 χ^2/NDF: 83.3/38

All: -6.094+/-1.375 χ^2/NDF: 132.5/78

- sign -2.576+/-1.985 χ^2/NDF: 43.2/39

diff_bpm4acX_rms vs Slug



Right In: 13482.879+/-3.661 χ^2/NDF: 743704.4/15

Left Out: 8721.839+/-1.451 χ^2/NDF:330836.9/22

Right Out: 14402.670+/-3.805 χ^2/NDF: 552430.0/18

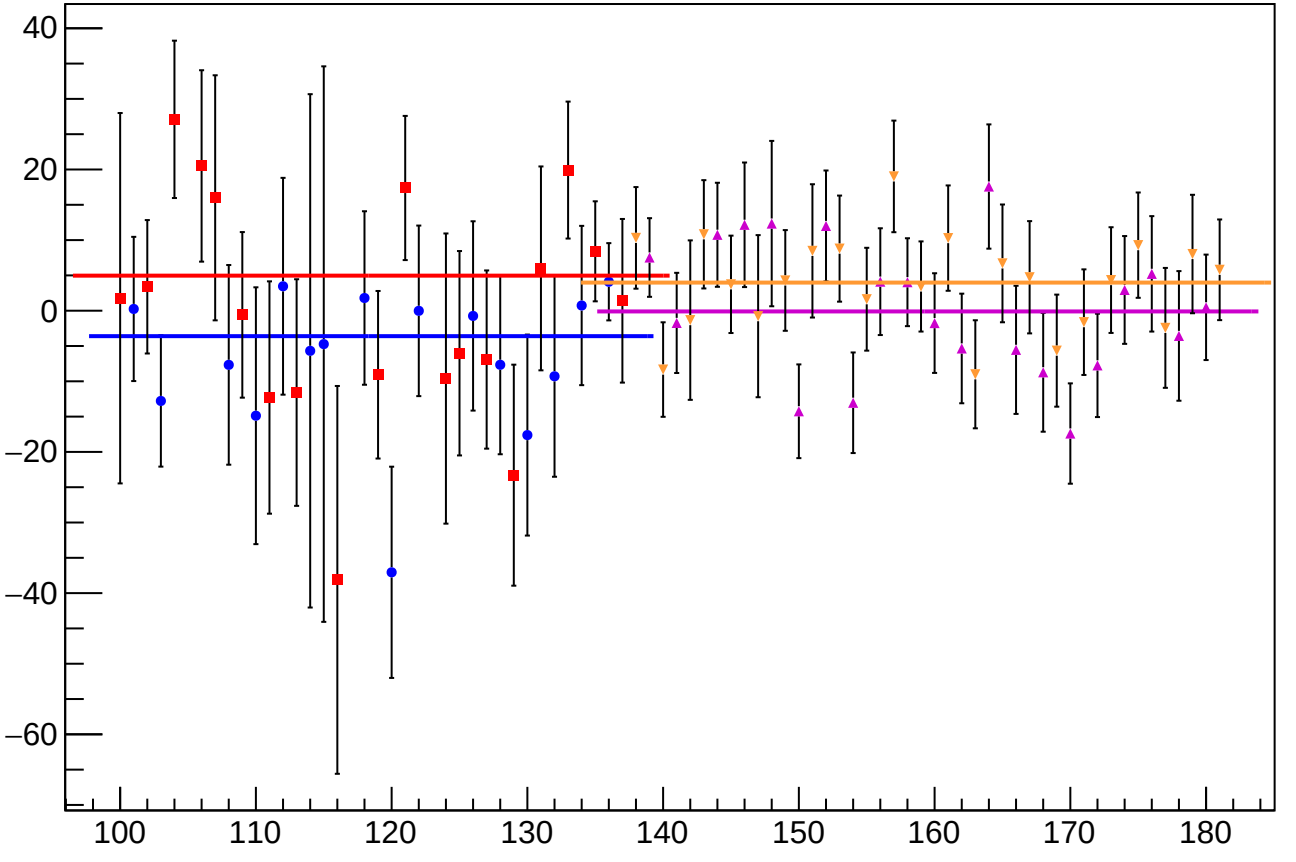
Left In: 8818.318+/-1.510 χ^2/NDF:279467.4/20

+ sign 9367.977+/-1.349 χ^2/NDF: 2535901.0/38

All: 9468.960+/-0.973 χ^2/NDF: 5240635.4/78

- sign 9578.300+/-1.404 χ^2/NDF: 2693060.7/39

diff_bpm4acY_mean vs Slug



Right In: -3.605+/-2.940 χ^2/NDF: 10.5/15

Left Out: 3.982+/-1.610 χ^2/NDF:16.8/22

Right Out: 4.965+/-2.855 χ^2/NDF: 21.4/18

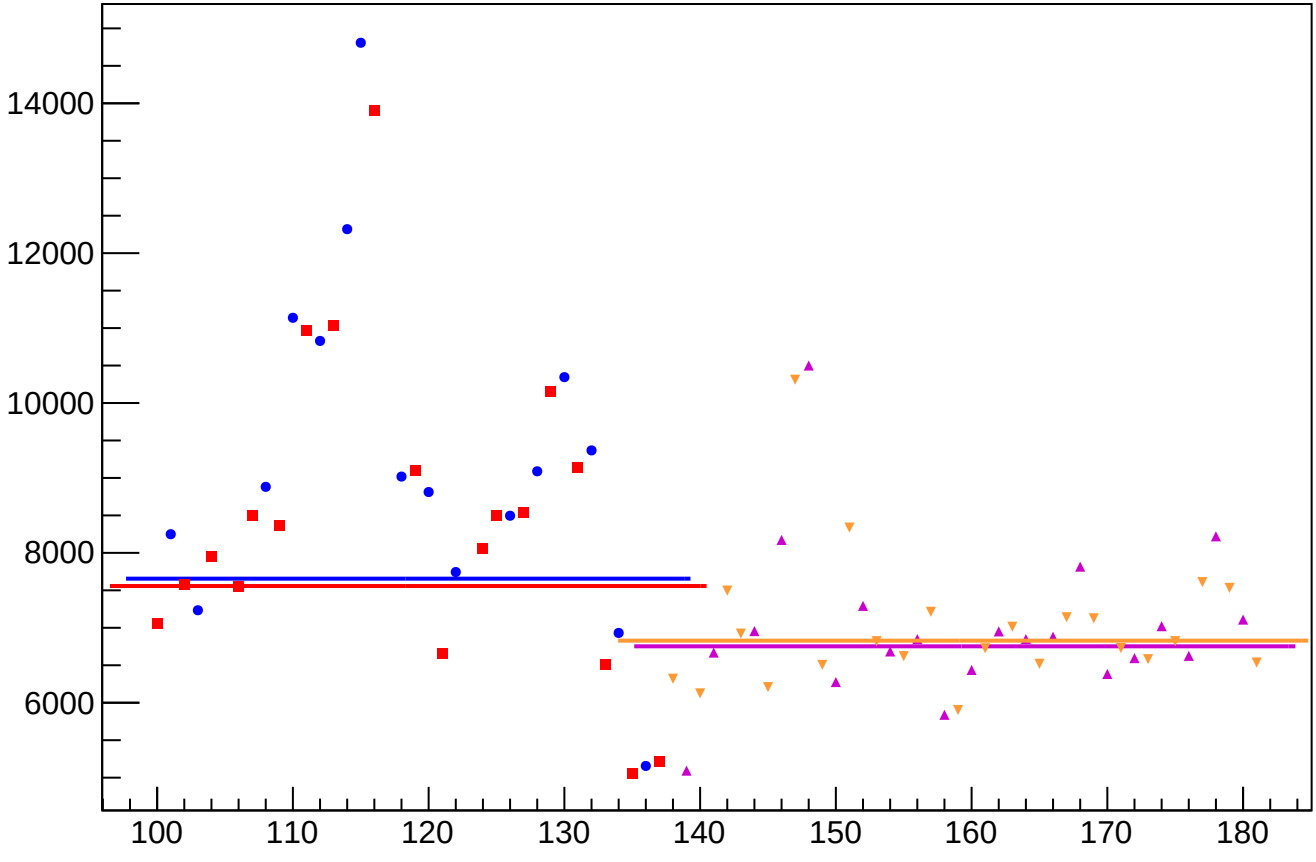
Left In: -0.104+/-1.647 χ^2/NDF:31.8/20

+ sign 2.231+/-1.412 χ^2/NDF: 32.5/38

All: 1.702+/-1.004 χ^2/NDF: 88.3/78

- sign 1.161+/-1.426 χ^2/NDF: 55.6/39

diff_bpm4acY_rms vs Slug



Right In: 7655.851+/-2.079 χ^2/NDF: 879769.7/15

Left Out: 6828.563+/-1.139 χ^2/NDF:390254.7/22

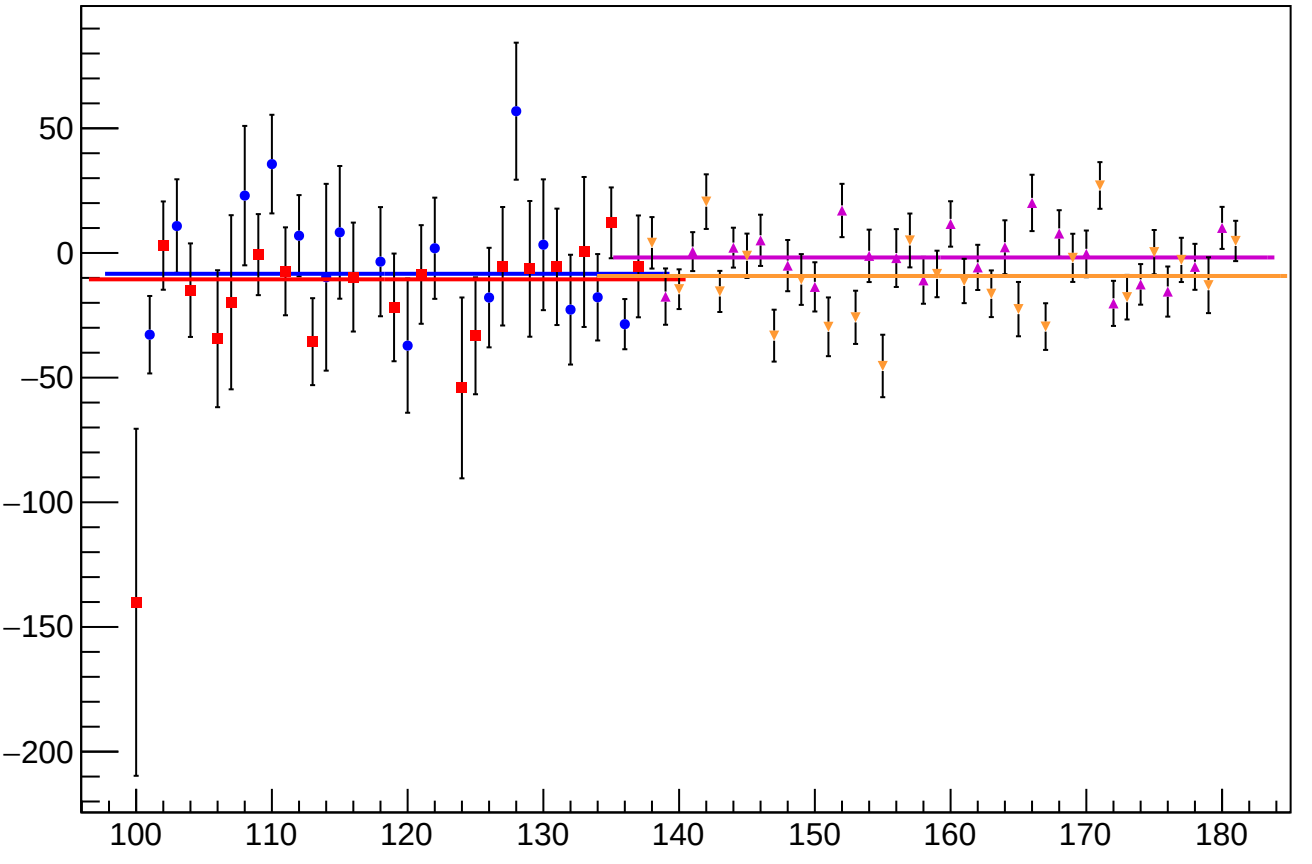
Right Out: 7557.497+/-2.019 χ^2/NDF: 809860.3/18

Left In: 6752.694+/-1.164 χ^2/NDF:602150.9/20

+ sign 7019.465+/-0.999 χ^2/NDF: 1391847.3/38

All: 6986.831+/-0.710 χ^2/NDF: 2925245.5/78

- sign 6953.539+/-1.009 χ^2/NDF: 1531240.9/39



Right In: -8.352+/-4.814 χ^2/NDF: 23.2/15

Left Out: -9.232+/-2.003 χ^2/NDF:59.8/22

Right Out: -10.573+/-4.911 χ^2/NDF: 12.9/18

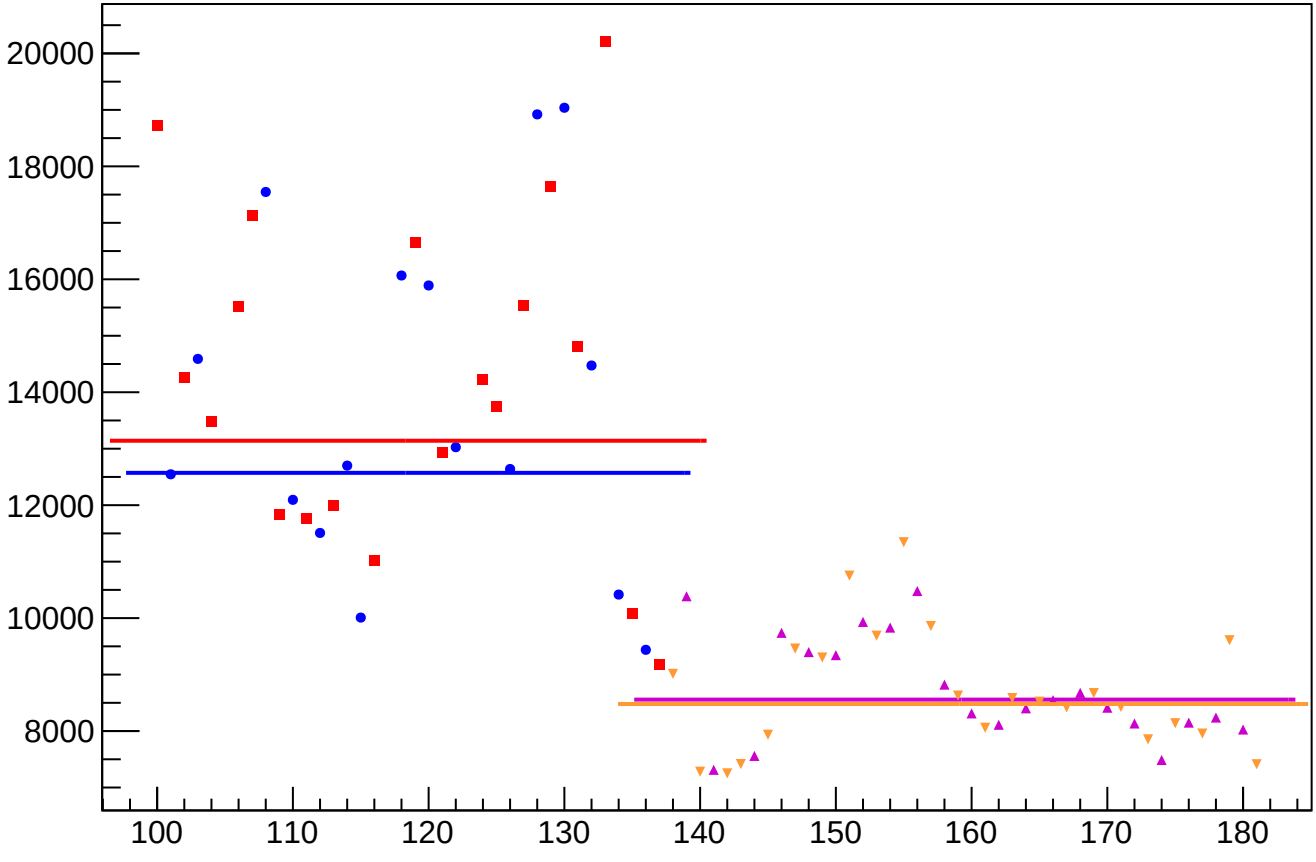
Left In: -1.799+/-2.075 χ^2/NDF:25.5/20

+ sign -9.102+/-1.849 χ^2/NDF: 83.1/38

All: -6.215+/-1.329 χ^2/NDF: 129.3/78

- sign -3.129+/-1.912 χ^2/NDF: 41.2/39

diff_bpm4ecX_rms vs Slug



Right In: 12572.586+/-3.404 χ^2/NDF: 665026.8/15

Left Out: 8479.341+/-1.416 χ^2/NDF:465944.5/22

Right Out: 13141.218+/-3.473 χ^2/NDF: 534726.5/18

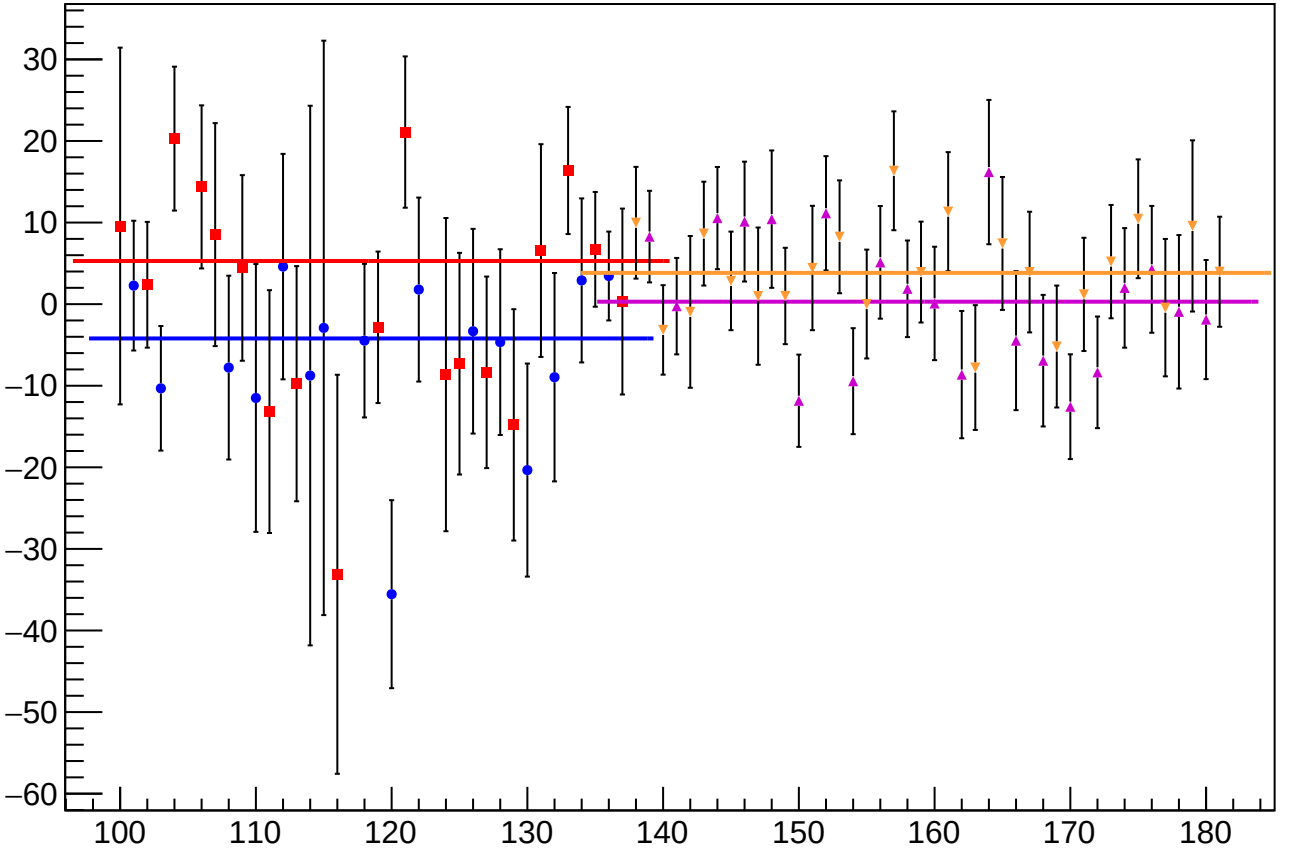
Left In: 8556.910+/-1.468 χ^2/NDF:365854.7/20

+ sign 9083.338+/-1.308 χ^2/NDF: 2363688.0/38

All: 9164.687+/-0.940 χ^2/NDF: 4750999.2/78

- sign 9251.639+/-1.352 χ^2/NDF: 2379303.1/39

diff_bpm4ecY_mean vs Slug



Right In: -4.204+/-2.600 χ^2/NDF: 13.9/15

Left Out: 3.833+/-1.476 χ^2/NDF:13.9/22

Right Out: 5.288+/-2.502 χ^2/NDF: 19.7/18

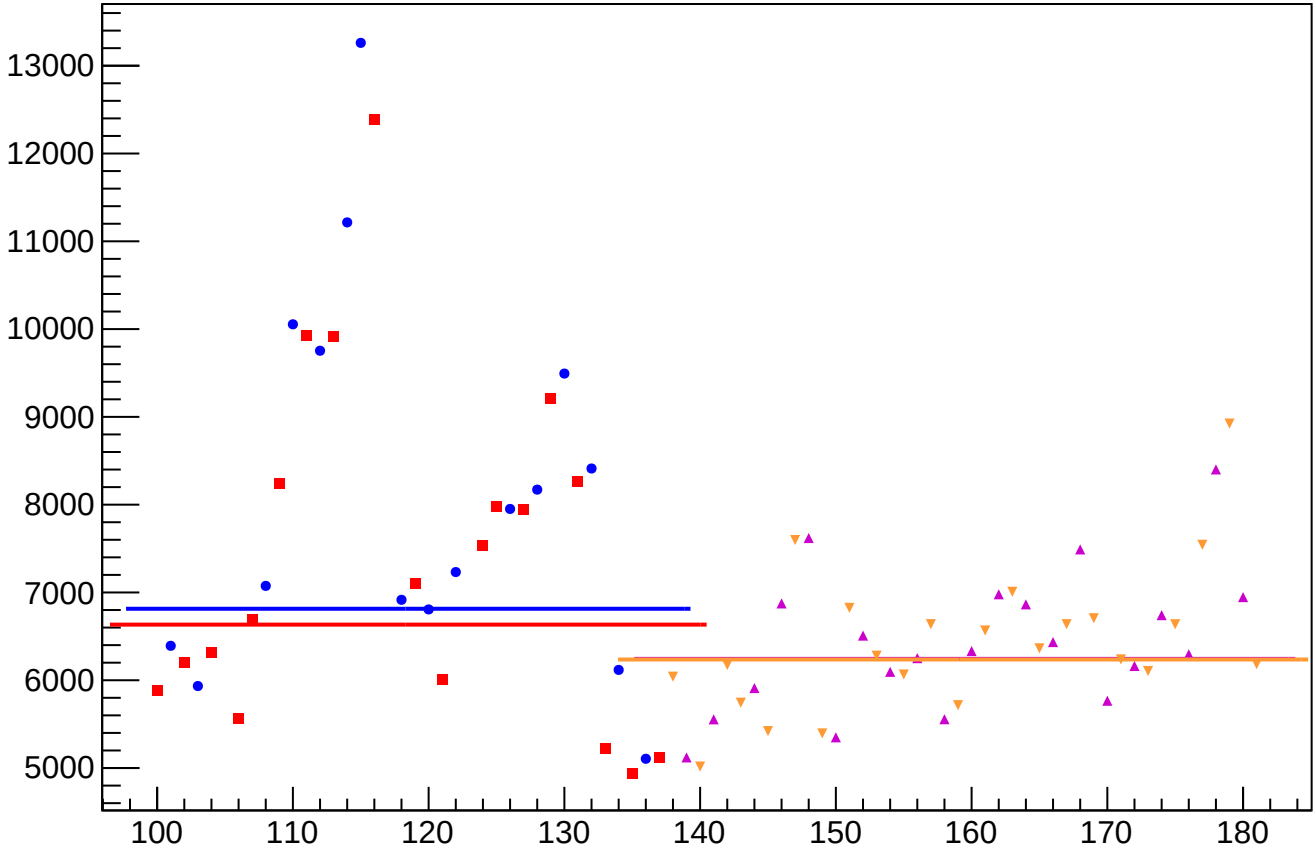
Left In: 0.301+/-1.519 χ^2/NDF:29.4/20

+ sign 1.875+/-1.283 χ^2/NDF: 35.0/38

All: 1.761+/-0.913 χ^2/NDF: 87.1/78

- sign 1.644+/-1.299 χ^2/NDF: 52.1/39

diff_bpm4ecY_rms vs Slug



Right In: 6814.282+/-1.839 χ^2/NDF: 674093.4/15

Left Out: 6236.284+/-1.043 χ^2/NDF:500696.8/22

Right Out: 6633.695+/-1.769 χ^2/NDF: 763347.6/18

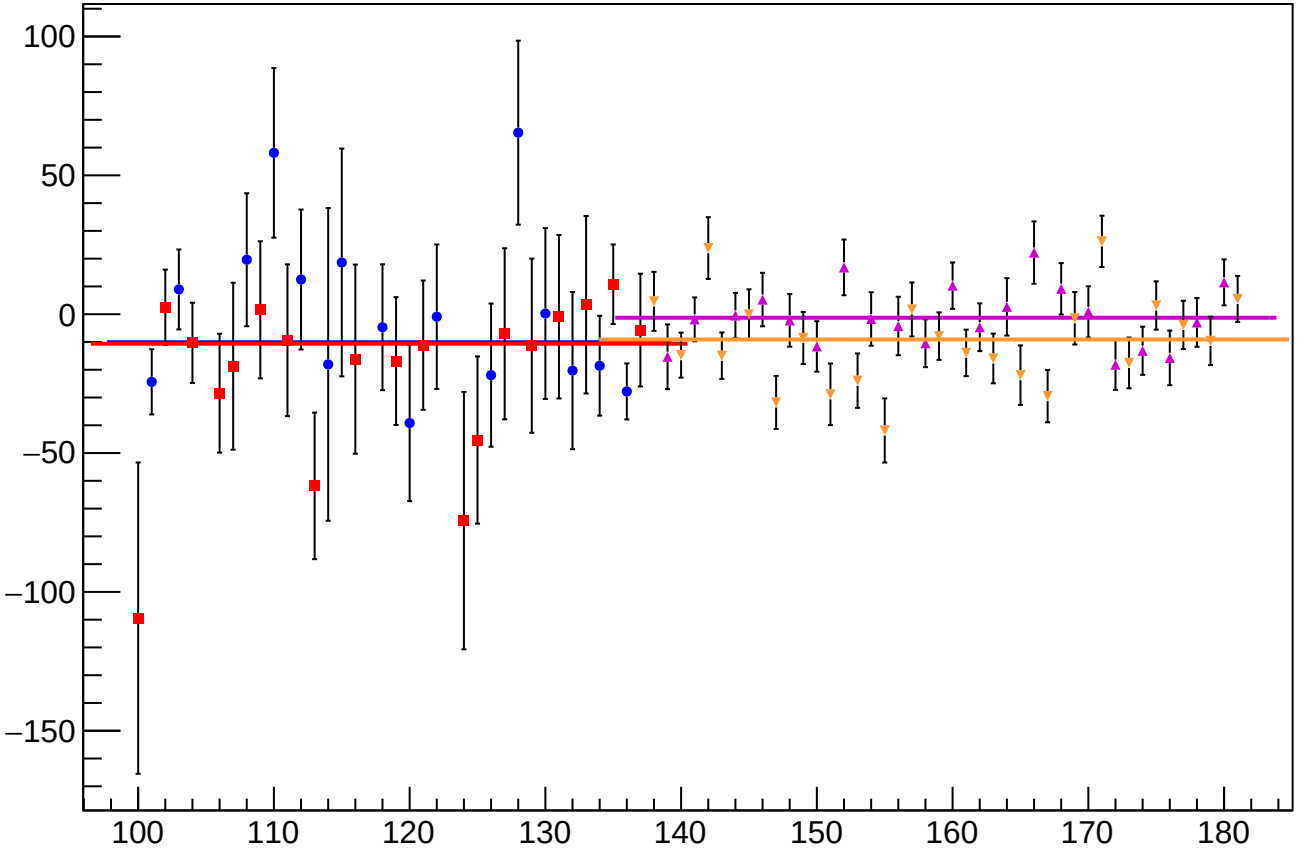
Left In: 6243.450+/-1.074 χ^2/NDF:483050.7/20

+ sign 6377.070+/-0.907 χ^2/NDF: 1249535.7/38

All: 6362.986+/-0.645 χ^2/NDF: 2531970.6/78

- sign 6348.567+/-0.918 χ^2/NDF: 1281947.4/39

diff_bpm1X_mean vs Slug



Right In: -10.113+/-5.017 χ^2/NDF: 21.3/15

Left Out: -9.114+/-1.935 χ^2/NDF:61.4/22

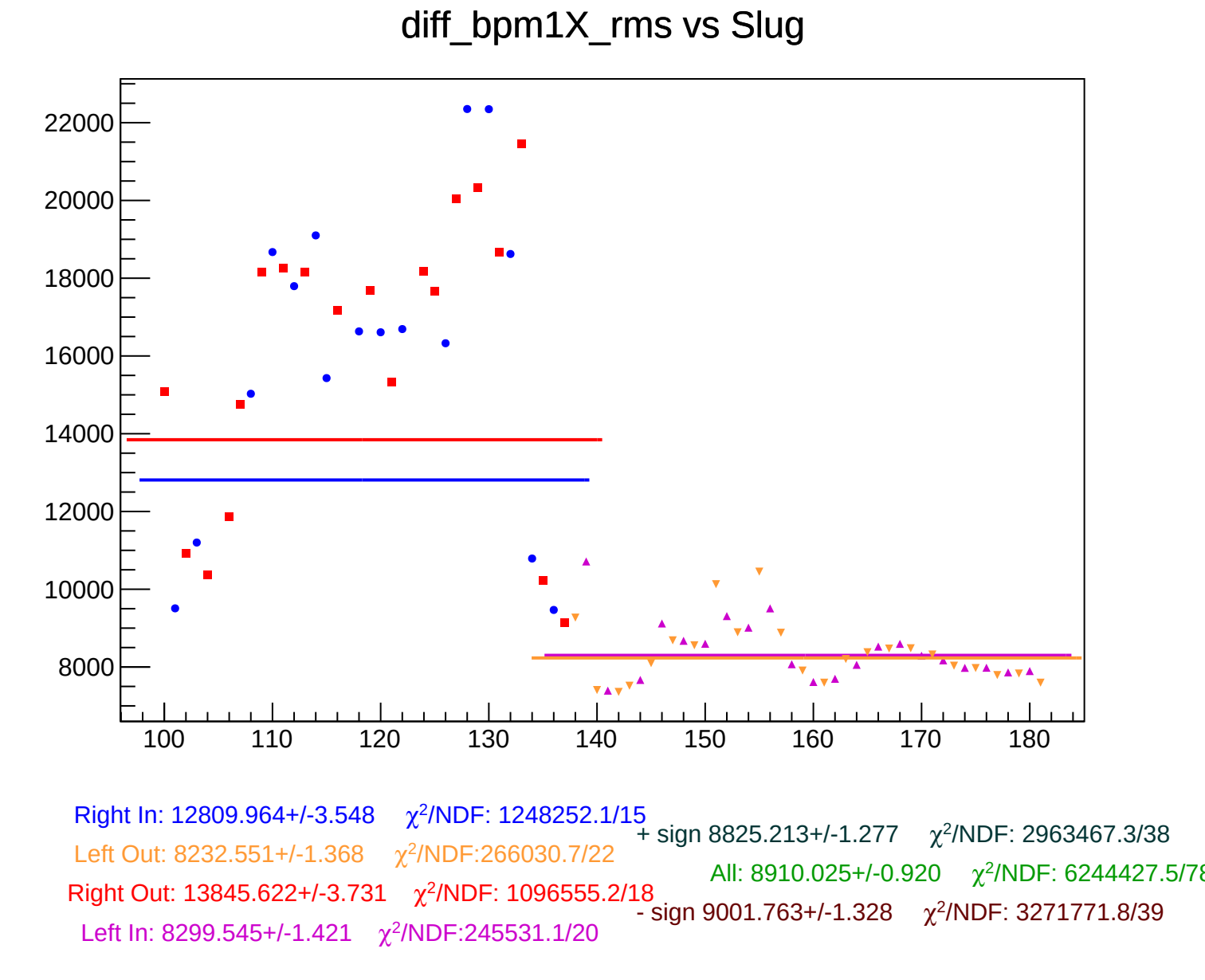
Right Out: -10.624+/-5.277 χ^2/NDF: 14.7/18

Left In: -1.280+/-2.009 χ^2/NDF:25.5/20

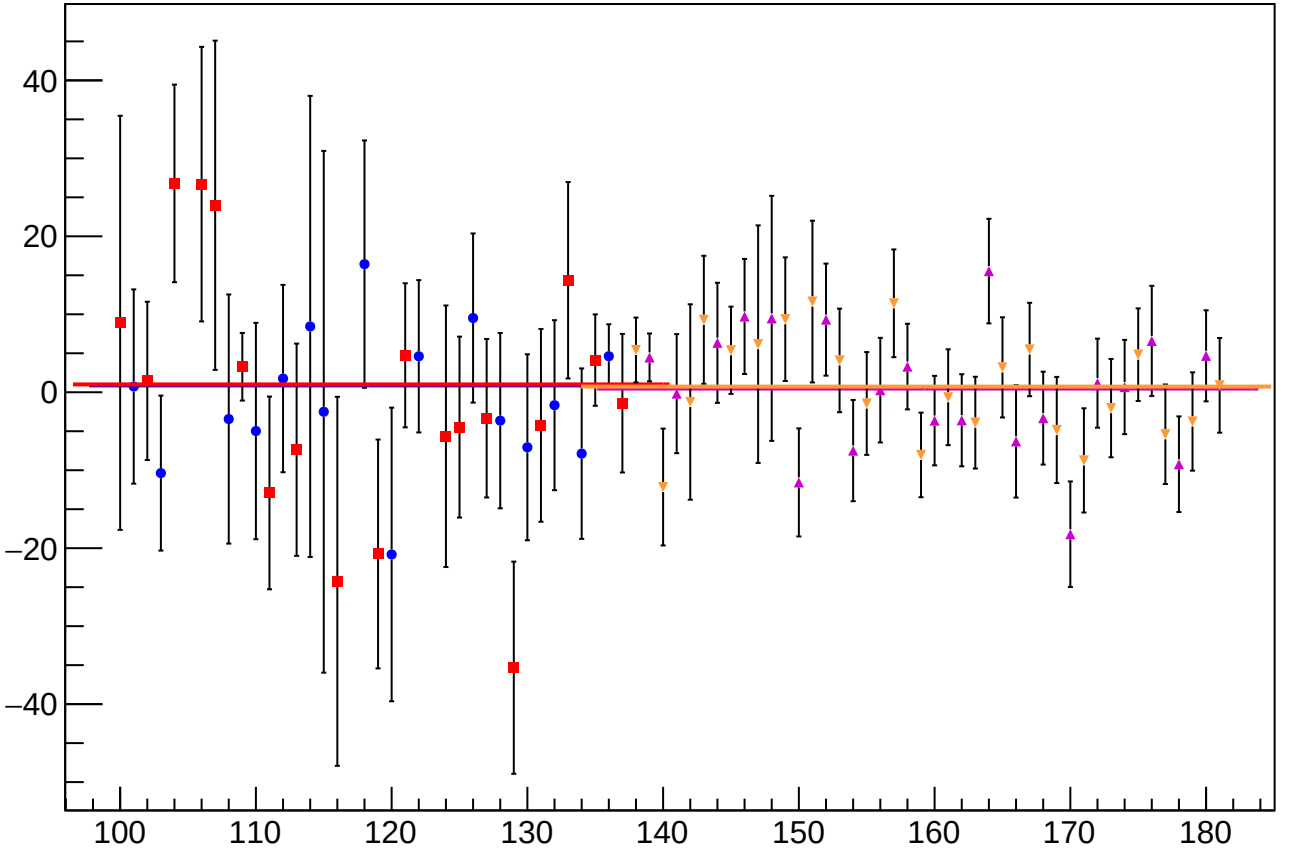
+ sign -9.244+/-1.805 χ^2/NDF: 82.7/38

All: -5.986+/-1.301 χ^2/NDF: 132.5/78

- sign -2.463+/-1.878 χ^2/NDF: 43.0/39


diff_bpm1X_rms vs Slug
22000
20000
18000
16000
14000
12000
10000
8000
100
110
120
130
140
150
160
170
180
Right In: 12809.964+/-3.548 χ²/NDF: 1248252.1/15
Left Out: 8232.551+/-1.368 χ²/NDF:266030.7/22
Right Out: 13845.622+/-3.731 χ²/NDF: 1096555.2/18
Left In: 8299.545+/-1.421 χ²/NDF:245531.1/20
+ sign 8825.213+/-1.277 χ²/NDF: 2963467.3/38
All: 8910.025+/-0.920 χ²/NDF: 6244427.5/78
- sign 9001.763+/-1.328 χ²/NDF: 3271771.8/39

diff_bpm1Y_mean vs Slug



Right In: 0.882+/-2.566 χ^2/NDF: 6.8/15

Left Out: 0.725+/-1.360 χ^2/NDF:20.0/22

Right Out: 1.006+/-2.314 χ^2/NDF: 22.3/18

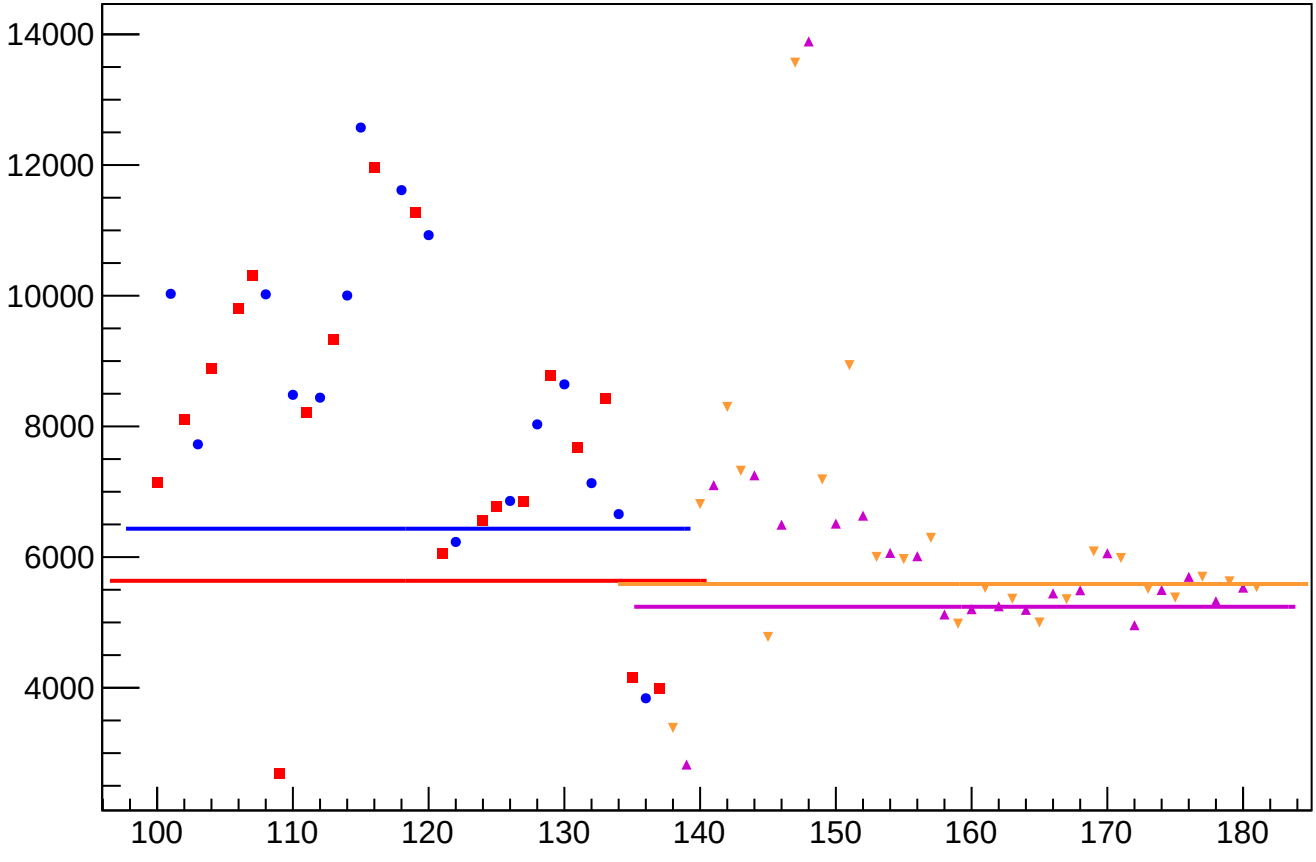
Left In: 0.475+/-1.329 χ^2/NDF:29.2/20

+ sign 0.759+/-1.202 χ^2/NDF: 26.9/38

All: 0.680+/-0.832 χ^2/NDF: 78.4/78

- sign 0.607+/-1.153 χ^2/NDF: 51.5/39

diff_bpm1Y_rms vs Slug



Right In: 6434.559+/-1.814 χ^2/NDF: 1750609.4/15

Left Out: 5588.139+/-0.962 χ^2/NDF:1782944.6/22

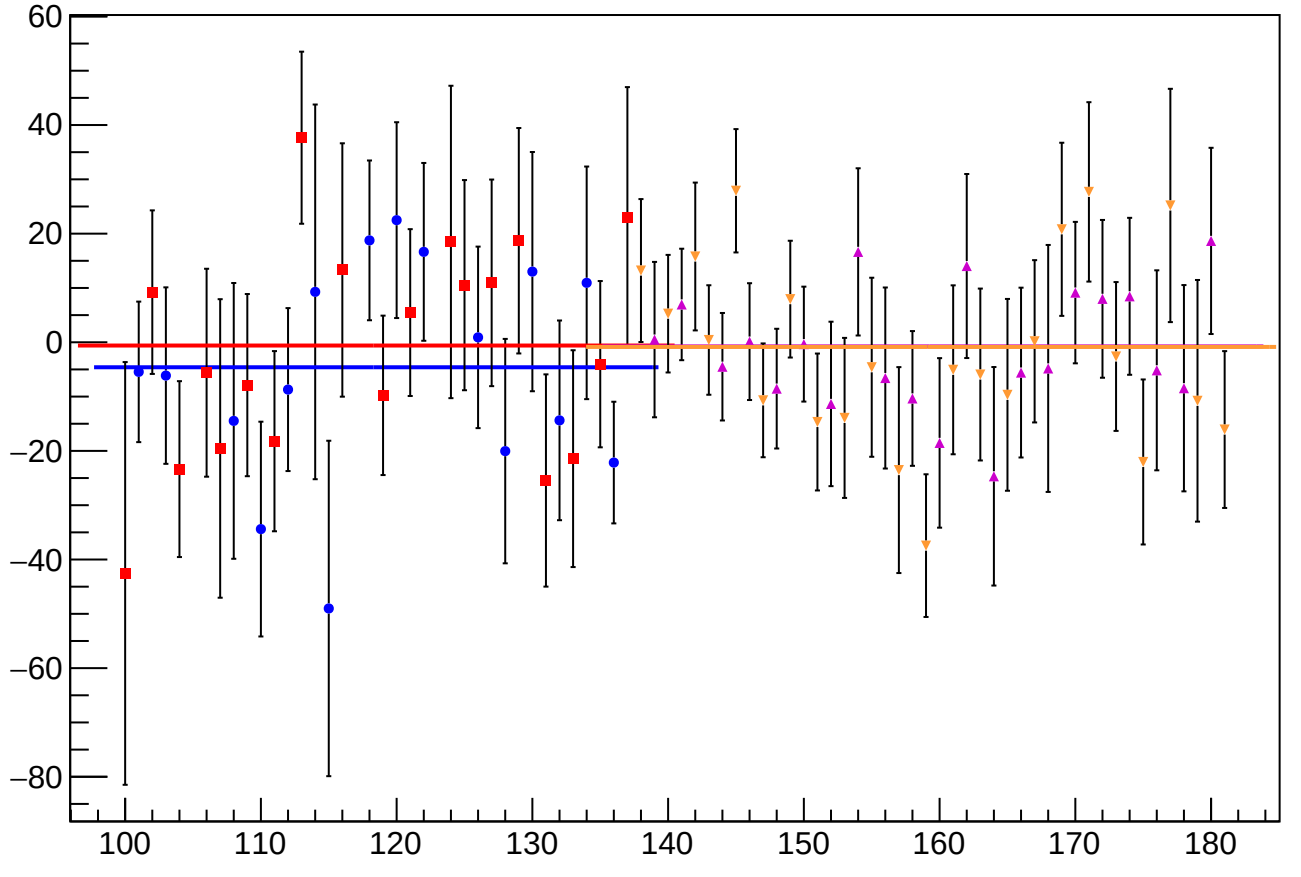
Right Out: 5637.344+/-1.636 χ^2/NDF: 2580013.6/18

Left In: 5239.924+/-0.940 χ^2/NDF:2414743.3/20

+ sign 5773.727+/-0.850 χ^2/NDF: 3703444.6/38

All: 5547.060+/-0.588 χ^2/NDF: 8879213.7/78

- sign 5338.521+/-0.815 χ^2/NDF: 5039118.6/39



Right In: -4.602+/-4.355 χ^2/NDF: 15.8/15

Left Out: -0.855+/-2.883 χ^2/NDF:32.2/22

Right Out: -0.600+/-4.266 χ^2/NDF: 17.9/18

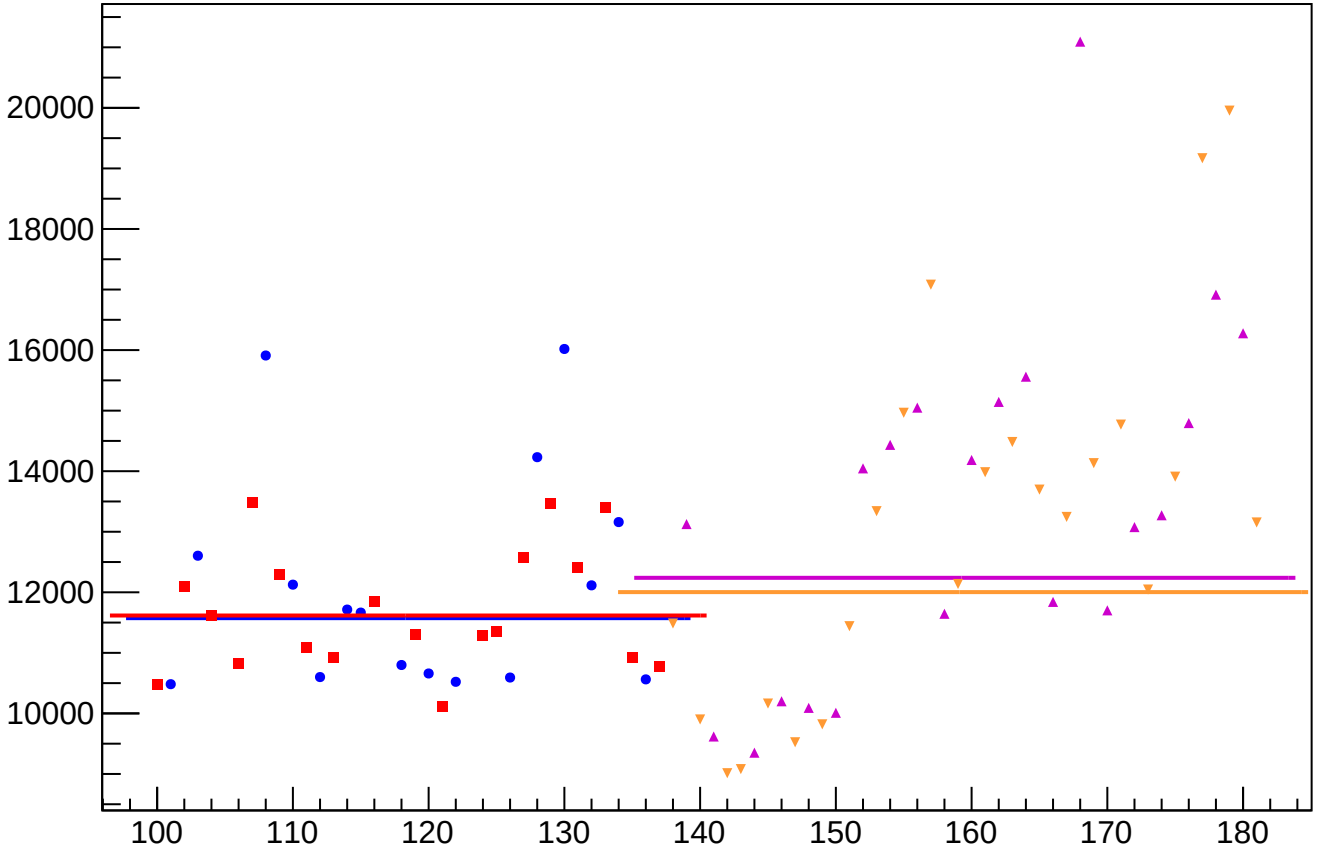
Left In: -0.757+/-3.019 χ^2/NDF:10.2/20

+ sign -1.997+/-2.404 χ^2/NDF: 48.5/38

All: -1.367+/-1.721 χ^2/NDF: 76.7/78

- sign -0.704+/-2.464 χ^2/NDF: 28.1/39

diff_bpm11X_rms vs Slug



Right In: 11573.073+/-3.079 χ^2/NDF: 260067.0/15

Left Out: 12003.224+/-2.039 χ^2/NDF:1546909.4/22

Right Out: 11616.773+/-3.017 χ^2/NDF: 93165.6/18

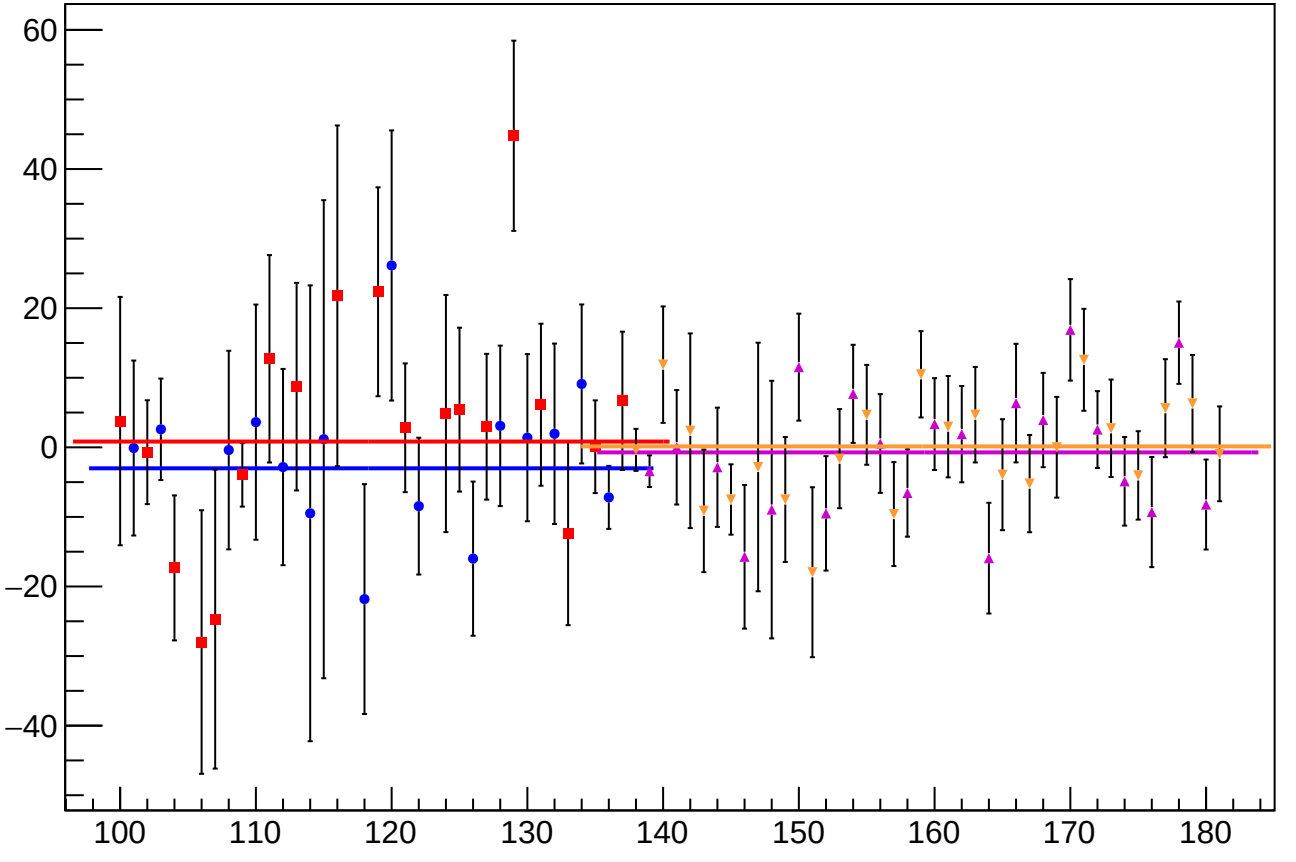
Left In: 12239.200+/-2.135 χ^2/NDF:1415651.6/20

+ sign 11872.122+/-1.700 χ^2/NDF: 1820543.1/38

All: 11949.851+/-1.217 χ^2/NDF: 3362012.2/7

- sign 12031.530+/-1.743 χ^2/NDF: 1537181.4/39

diff_bpm11Y_mean vs Slug



Right In: -3.014+/-2.654 χ^2/NDF: 8.7/15

Left Out: 0.135+/-1.403 χ^2/NDF:19.6/22

Right Out: 0.831+/-2.352 χ^2/NDF: 23.8/18

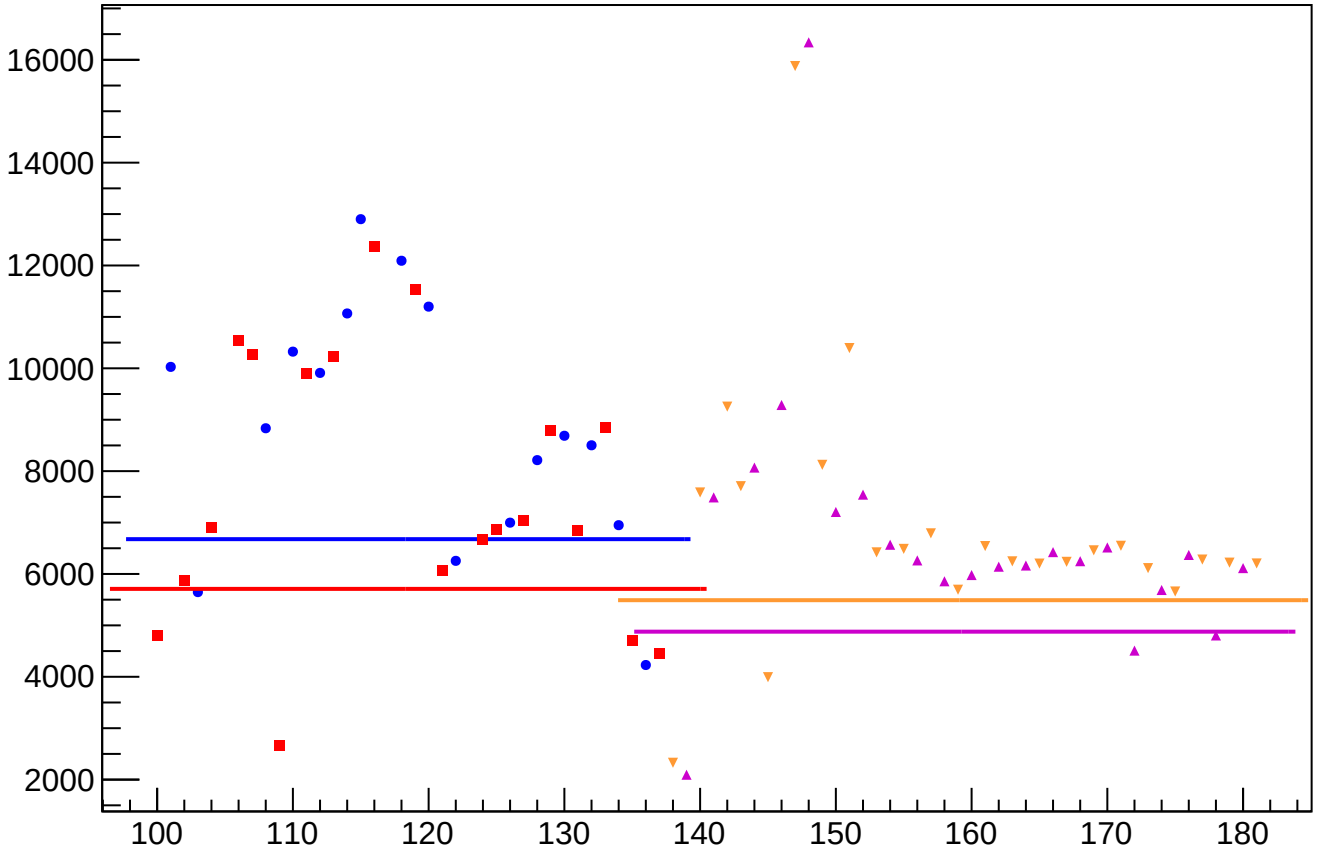
Left In: -0.726+/-1.325 χ^2/NDF:31.3/20

+ sign -0.553+/-1.240 χ^2/NDF: 29.4/38

All: -0.445+/-0.845 χ^2/NDF: 84.9/78

- sign -0.351+/-1.154 χ^2/NDF: 55.5/39

diff_bpm11Y_rms vs Slug



Right In: 6676.920+/-1.877 χ^2/NDF: 1572864.3/15

Left Out: 5489.831+/-0.992 χ^2/NDF:4344147.8/22

Right Out: 5709.821+/-1.663 χ^2/NDF: 2301039.5/18

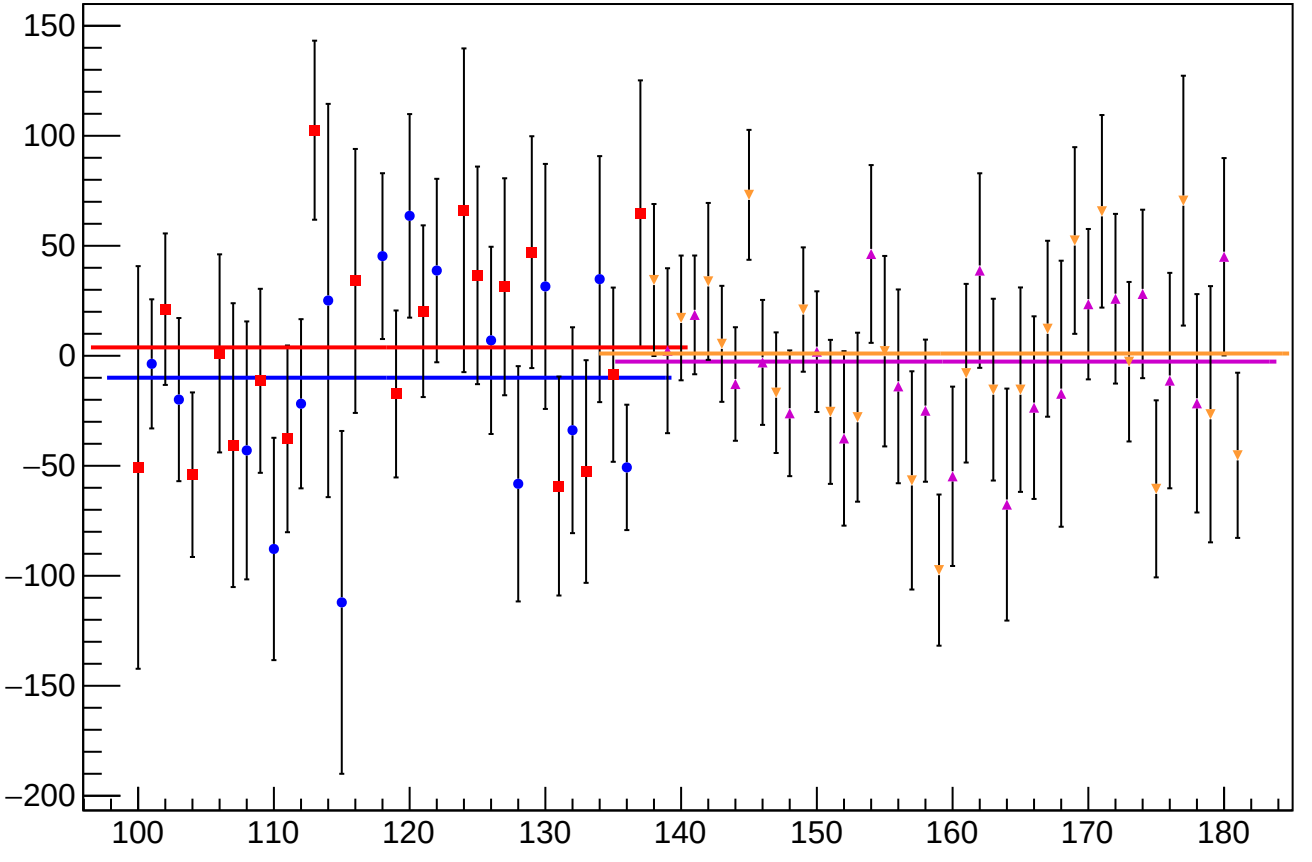
Left In: 4877.676+/-0.937 χ^2/NDF:5831441.3/20

+ sign 5749.173+/-0.877 χ^2/NDF: 6229729.6/38

All: 5389.474+/-0.597 χ^2/NDF: 14866051.7/7

- sign 5078.111+/-0.816 χ^2/NDF: 8322595.6/39

diff_bpm12X_mean vs Slug



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 1.032+/-7.563 χ^2/NDF:29.5/22

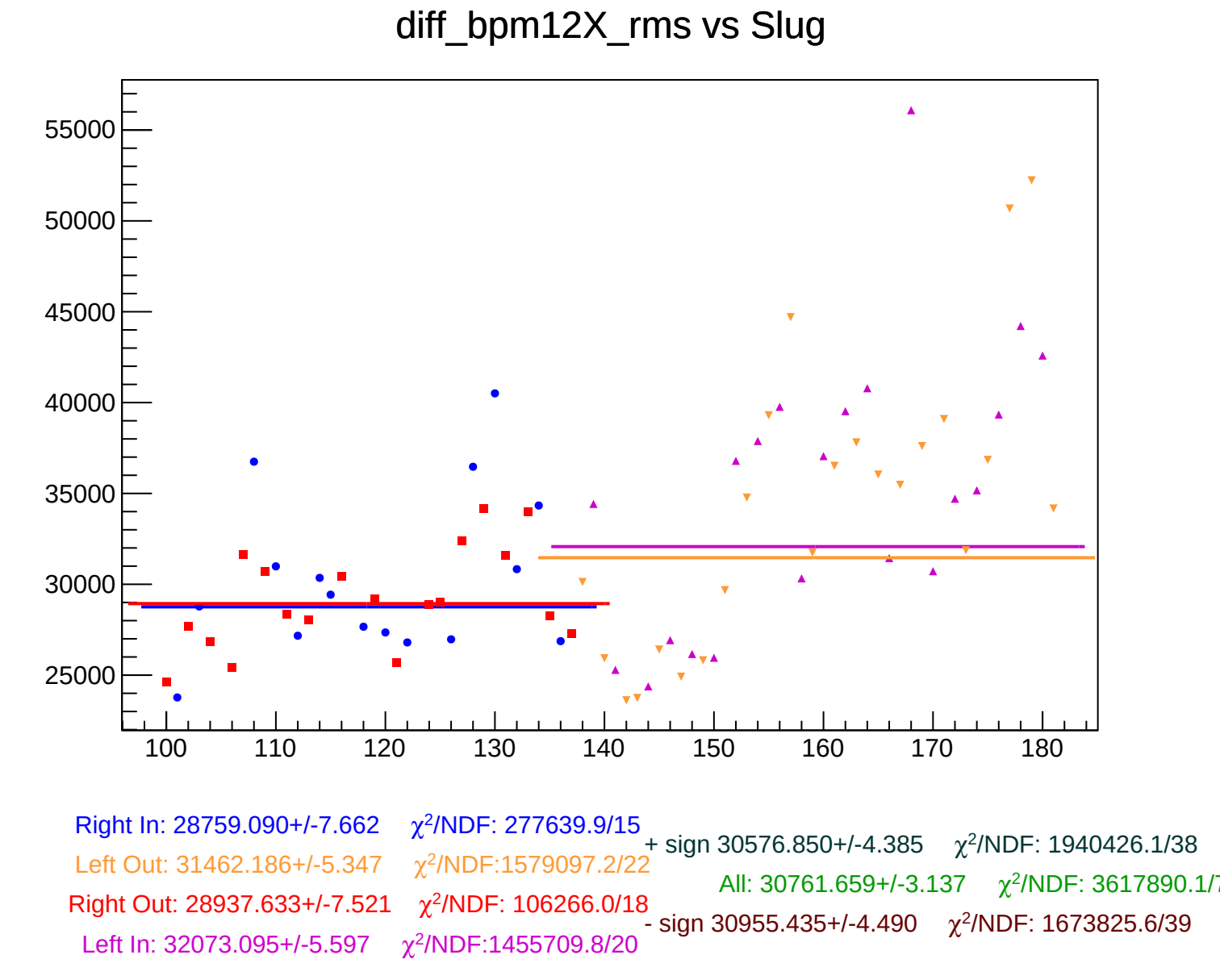
Right Out: 3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: -2.647+/-7.916 χ^2/NDF:11.7/20

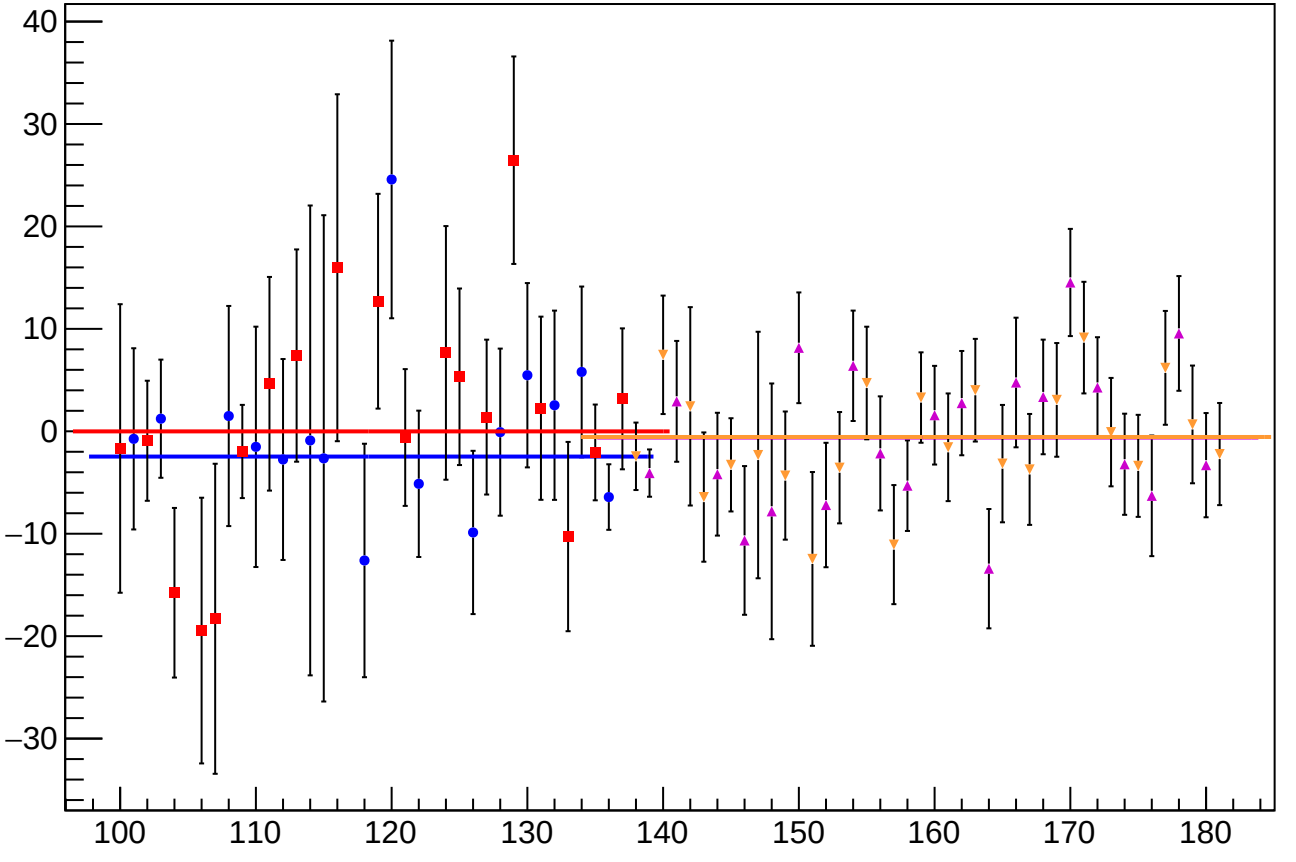
+ sign -2.571+/-6.202 χ^2/NDF: 45.4/38

All: -1.484+/-4.437 χ^2/NDF: 74.7/78

- sign -0.344+/-6.350 χ^2/NDF: 29.2/39


diff_bpm12X_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: 31462.186+/-5.347 χ²/NDF:1579097.2/22
Right Out: 28937.633+/-7.521 χ²/NDF: 106266.0/18
Left In: 32073.095+/-5.597 χ²/NDF:1455709.8/20
+ sign 30576.850+/-4.385 χ²/NDF: 1940426.1/38
All: 30761.659+/-3.137 χ²/NDF: 3617890.1/
- sign 30955.435+/-4.490 χ²/NDF: 1673825.6/39

diff_bpm12Y_mean vs Slug



Right In: -2.467+/-1.916 χ^2/NDF: 10.0/15

Left Out: -0.556+/-1.128 χ^2/NDF:18.1/22

Right Out: -0.009+/-1.828 χ^2/NDF: 20.0/18

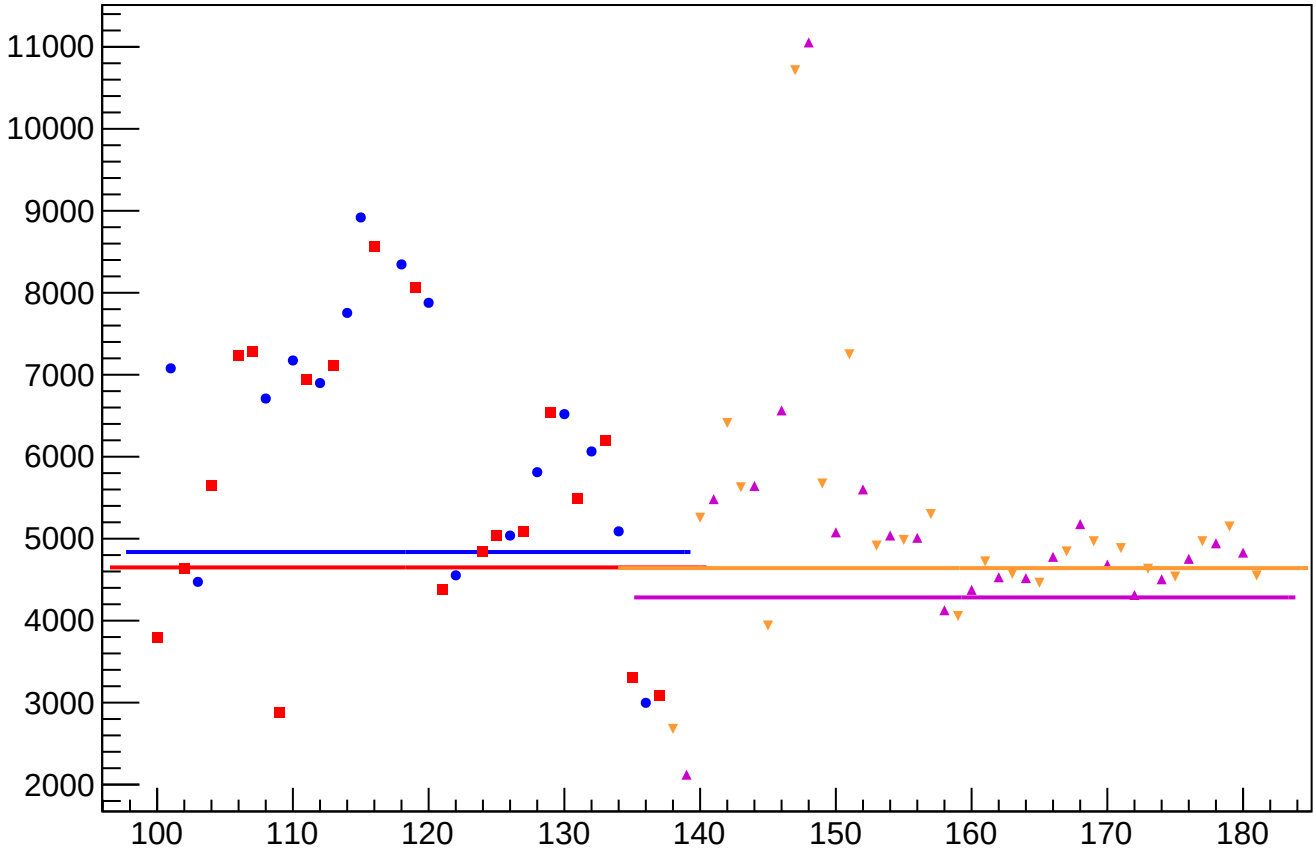
Left In: -0.612+/-1.094 χ^2/NDF:32.8/20

+ sign -1.048+/-0.972 χ^2/NDF: 28.9/38

All: -0.740+/-0.675 χ^2/NDF: 81.9/78

- sign -0.453+/-0.939 χ^2/NDF: 52.8/39

diff_bpm12Y_rms vs Slug



Right In: 4837.176+/-1.355 χ^2/NDF: 1547766.9/15

Left Out: 4641.510+/-0.798 χ^2/NDF:1762606.6/22

Right Out: 4649.613+/-1.293 χ^2/NDF: 1434548.7/18

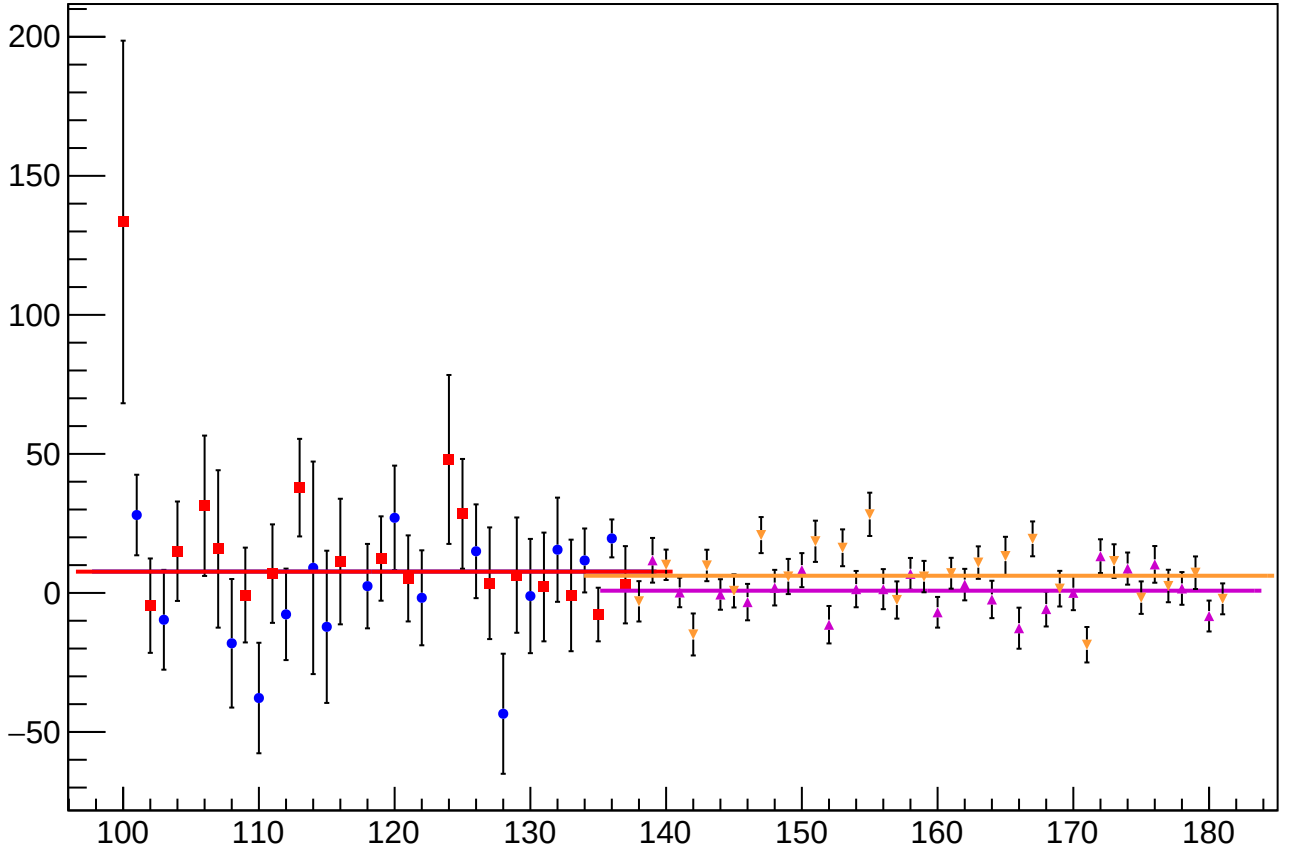
Left In: 4283.452+/-0.774 χ^2/NDF:3091019.7/20

+ sign 4691.879+/-0.687 χ^2/NDF: 3325867.9/38

All: 4530.563+/-0.477 χ^2/NDF: 8017014.8/78

- sign 4380.030+/-0.664 χ^2/NDF: 4584639.7/39

diff_bpm16X_mean vs Slug



Right In: 7.699+/-3.820 χ^2/NDF: 21.6/15

Left Out: 6.184+/-1.298 χ^2/NDF:58.3/22

Right Out: 7.650+/-4.099 χ^2/NDF: 14.6/18

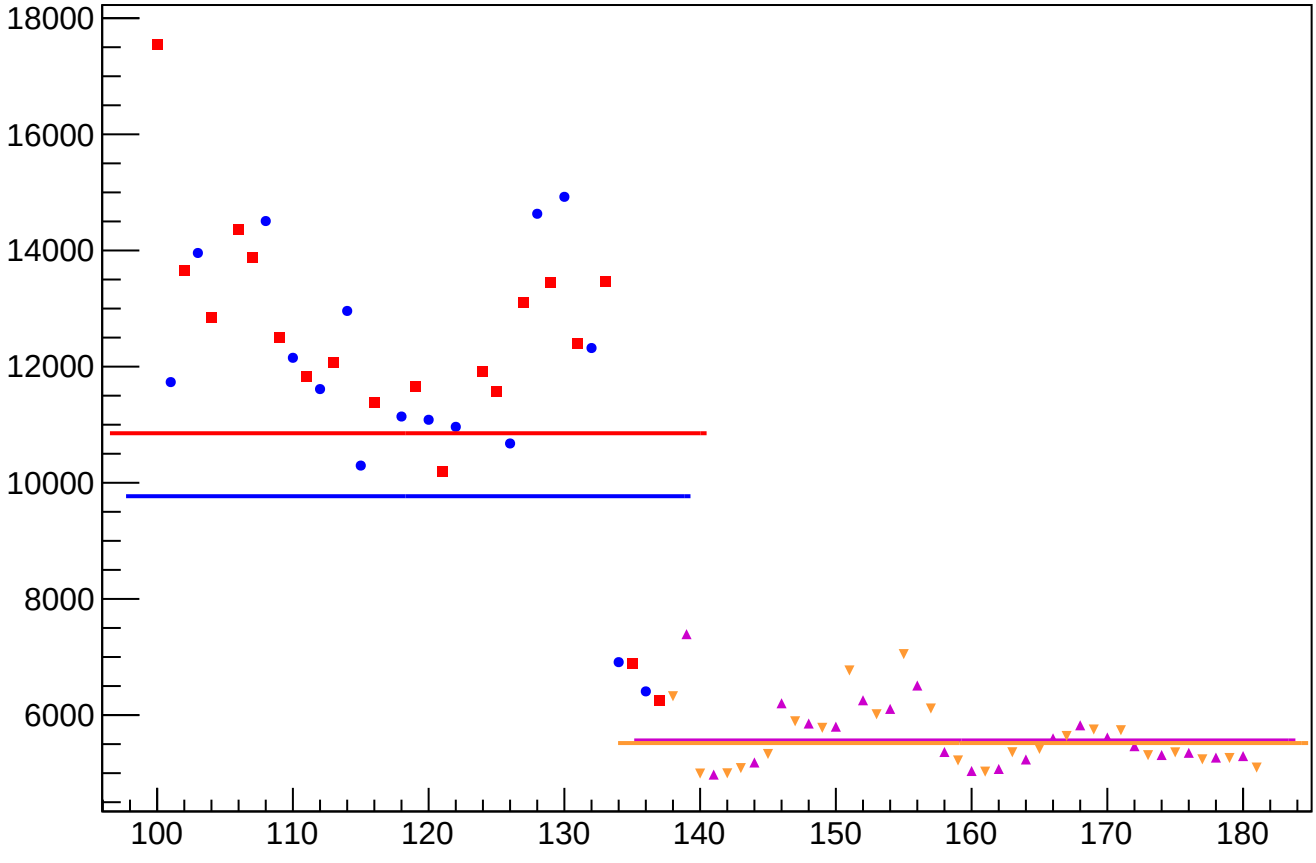
Left In: 0.804+/-1.348 χ^2/NDF:25.9/20

+ sign 6.341+/-1.229 χ^2/NDF: 80.0/38

All: 4.006+/-0.886 χ^2/NDF: 130.5/78

- sign 1.472+/-1.280 χ^2/NDF: 43.0/39

diff_bpm16X_rms vs Slug



Right In: 9768.772+/-2.701 χ^2/NDF: 1213694.6/15

Left Out: 5518.266+/-0.918 χ^2/NDF:290618.4/22

Right Out: 10852.989+/-2.899 χ^2/NDF: 874500.2/18

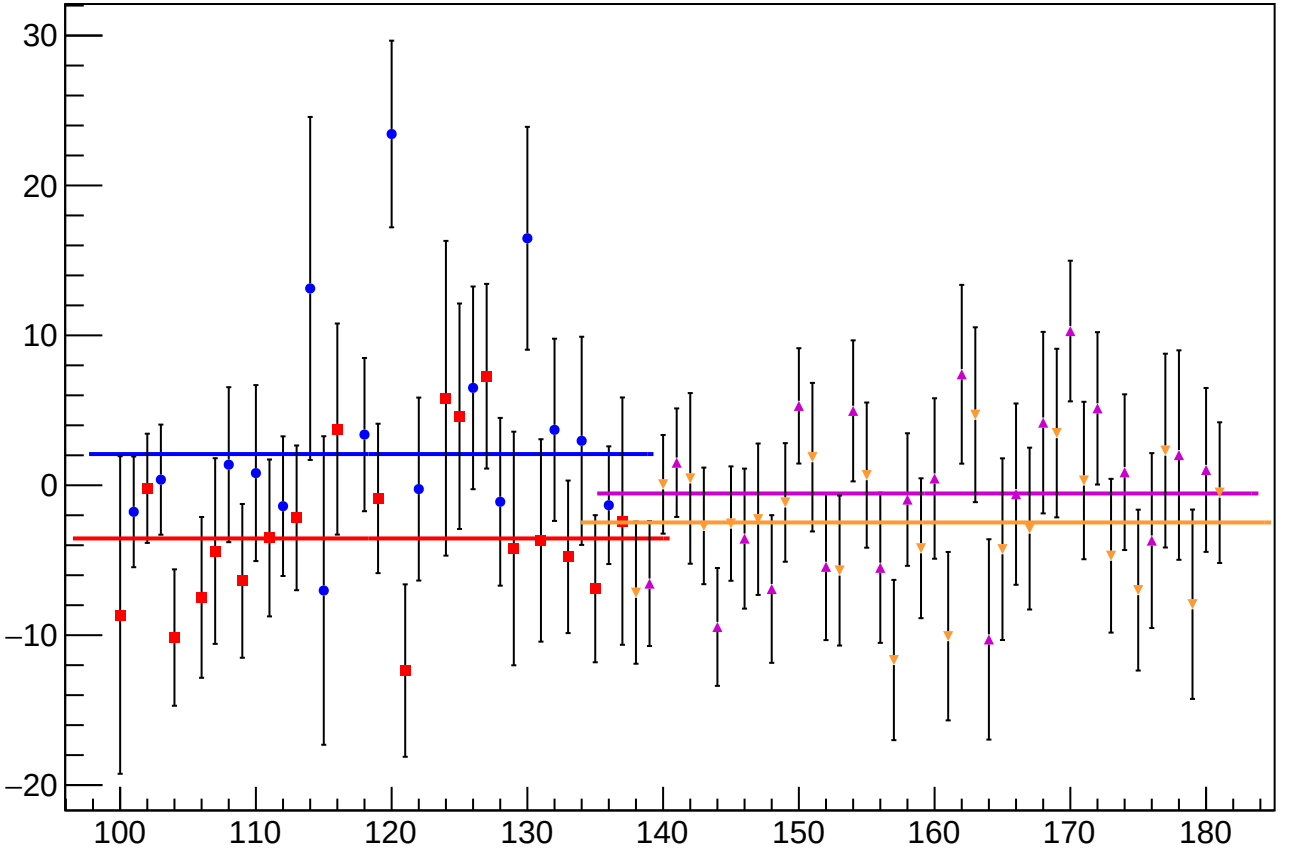
Left In: 5563.233+/-0.953 χ^2/NDF:293417.2/20

+ sign 5958.048+/-0.869 χ^2/NDF: 3724572.6/38

All: 6016.121+/-0.627 χ^2/NDF: 7907392.5/78

- sign 6079.169+/-0.905 χ^2/NDF: 4173501.0/39

diff_bpm16Y_mean vs Slug



Right In: 2.082+/-1.345 χ^2/NDF: 21.0/15

Left Out: -2.480+/-1.017 χ^2/NDF:13.9/22

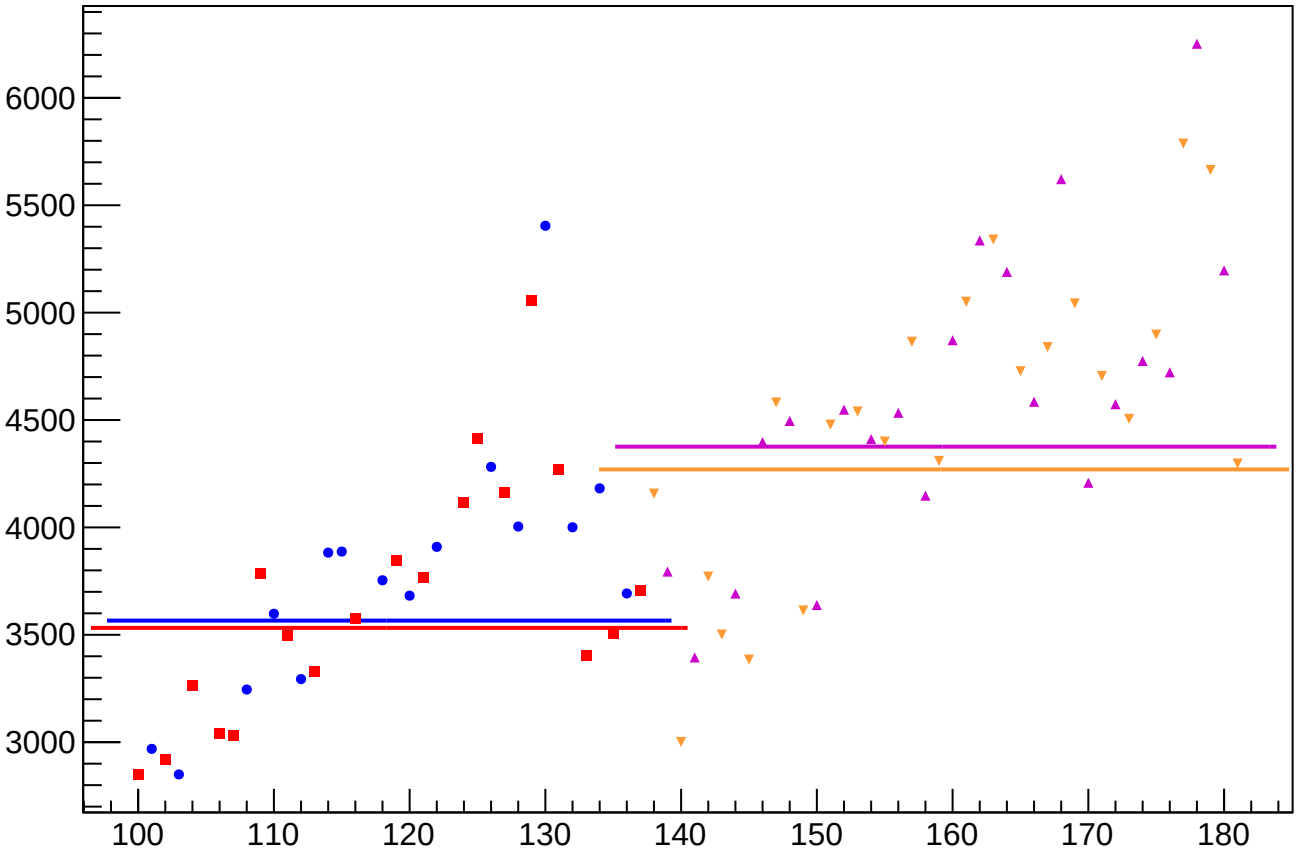
Right Out: -3.546+/-1.304 χ^2/NDF: 13.4/18

Left In: -0.547+/-1.068 χ^2/NDF:27.0/20

+ sign -0.822+/-0.811 χ^2/NDF: 42.1/38

All: -1.278+/-0.579 χ^2/NDF: 86.4/78

- sign -1.751+/-0.826 χ^2/NDF: 43.6/39



Right In: 3566.150+/-0.951 χ^2/NDF: 341105.5/15

Left Out: 4270.058+/-0.719 χ^2/NDF:1028656.8/22

Right Out: 3532.189+/-0.922 χ^2/NDF: 278693.0/18

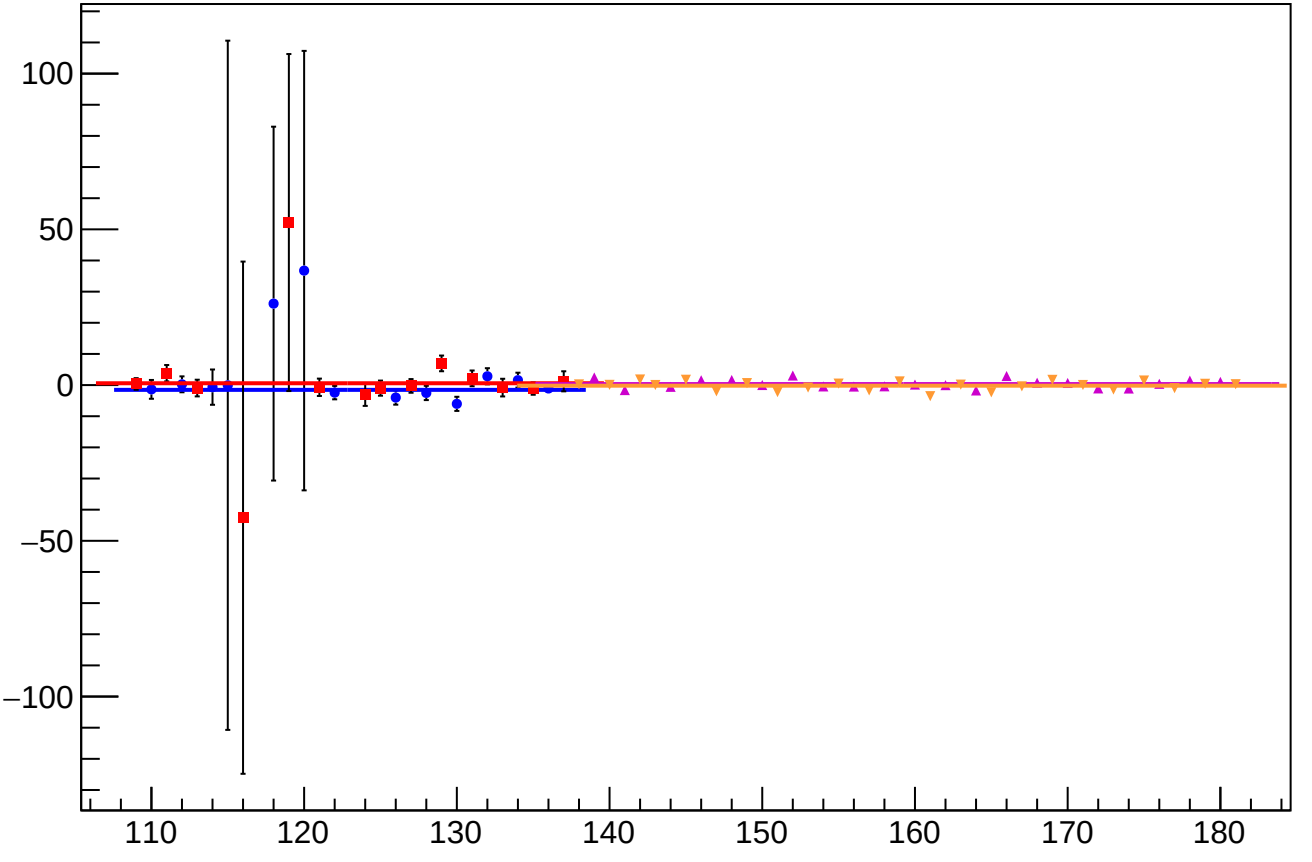
Left In: 4375.941+/-0.755 χ^2/NDF:730506.8/20

+ sign 4014.206+/-0.574 χ^2/NDF: 1718285.7/38

All: 4025.430+/-0.409 χ^2/NDF: 3229190.4/78

- sign 4037.084+/-0.584 χ^2/NDF: 1510124.0/39

diff_bpm1p02bX_mean vs Slug



Right In: -1.536+/-0.733 χ^2/NDF: 11.1/12

Left Out: -0.190+/-0.240 χ^2/NDF:33.6/22

Right Out: 0.588+/-0.717 χ^2/NDF: 12.7/13

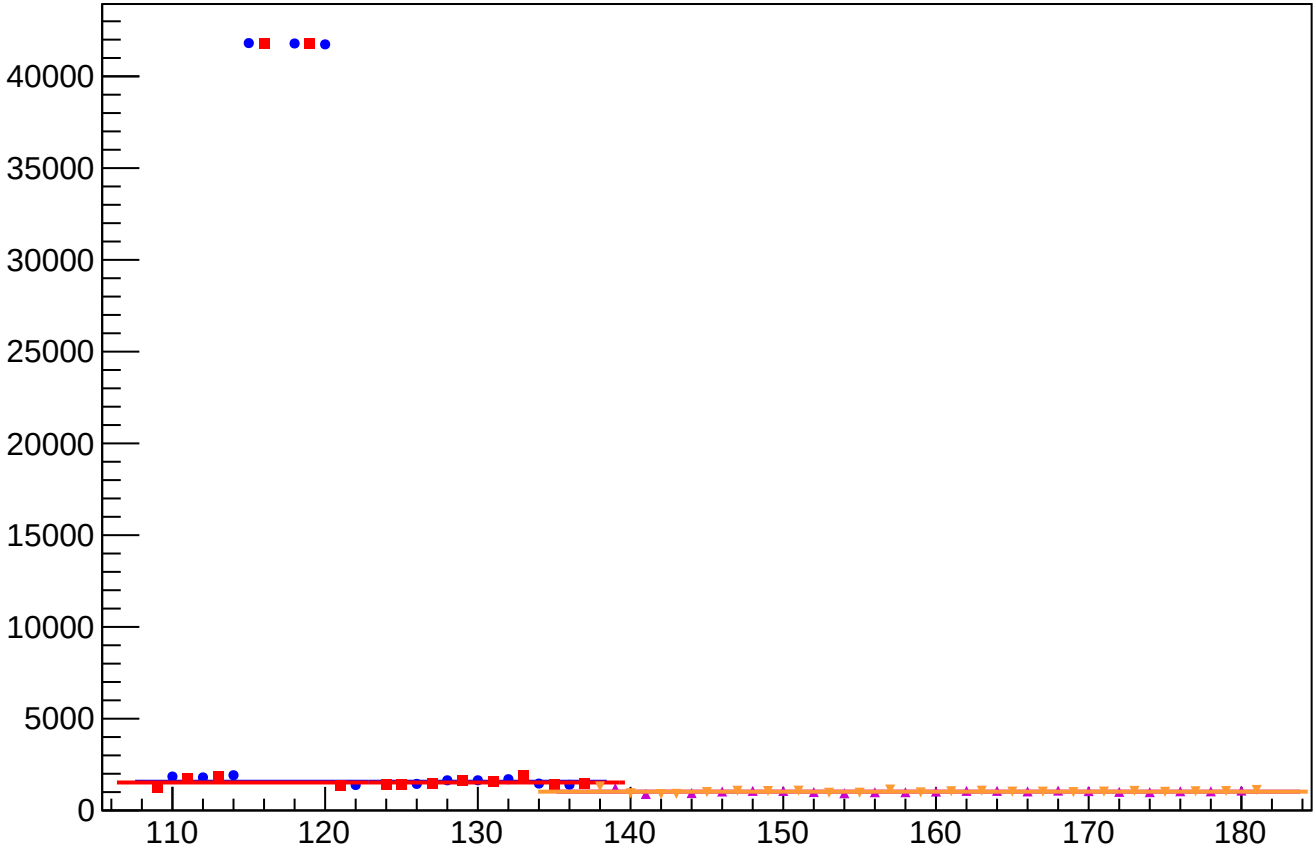
Left In: 0.320+/-0.248 χ^2/NDF:28.6/20

+ sign -0.321+/-0.228 χ^2/NDF: 47.7/35

All: 0.006+/-0.163 χ^2/NDF: 93.4/70

- sign 0.349+/-0.234 χ^2/NDF: 41.5/34

diff_bpm1p02bX_rms vs Slug



Right In: 1564.307+/-0.518 χ^2/NDF: 2016990.6/12

Left Out: 1024.377+/-0.170 χ^2/NDF:195970.8/22

Right Out: 1523.678+/-0.507 χ^2/NDF: 1739658.0/13

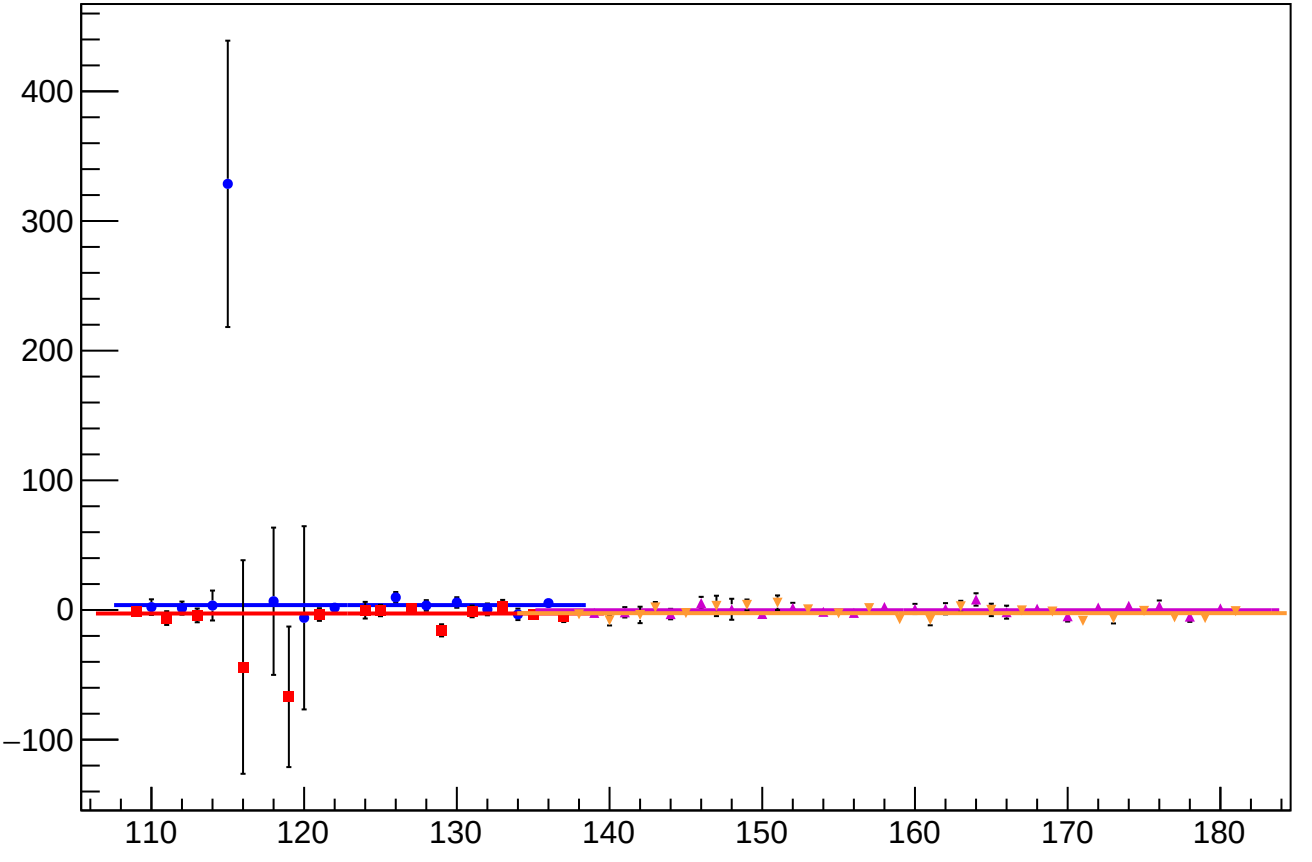
Left In: 1024.298+/-0.175 χ^2/NDF:132584.5/20

+ sign 1076.840+/-0.162 χ^2/NDF: 3193452.5/35

All: 1077.140+/-0.116 χ^2/NDF: 5932378.8/70

- sign 1077.456+/-0.165 χ^2/NDF: 2738919.2/34

diff_bpm1p02bY_mean vs Slug



Right In: 3.777+/-1.248 χ^2/NDF: 15.2/12

Left Out: -2.447+/-0.801 χ^2/NDF:20.4/22

Right Out: -2.709+/-1.211 χ^2/NDF: 13.6/13

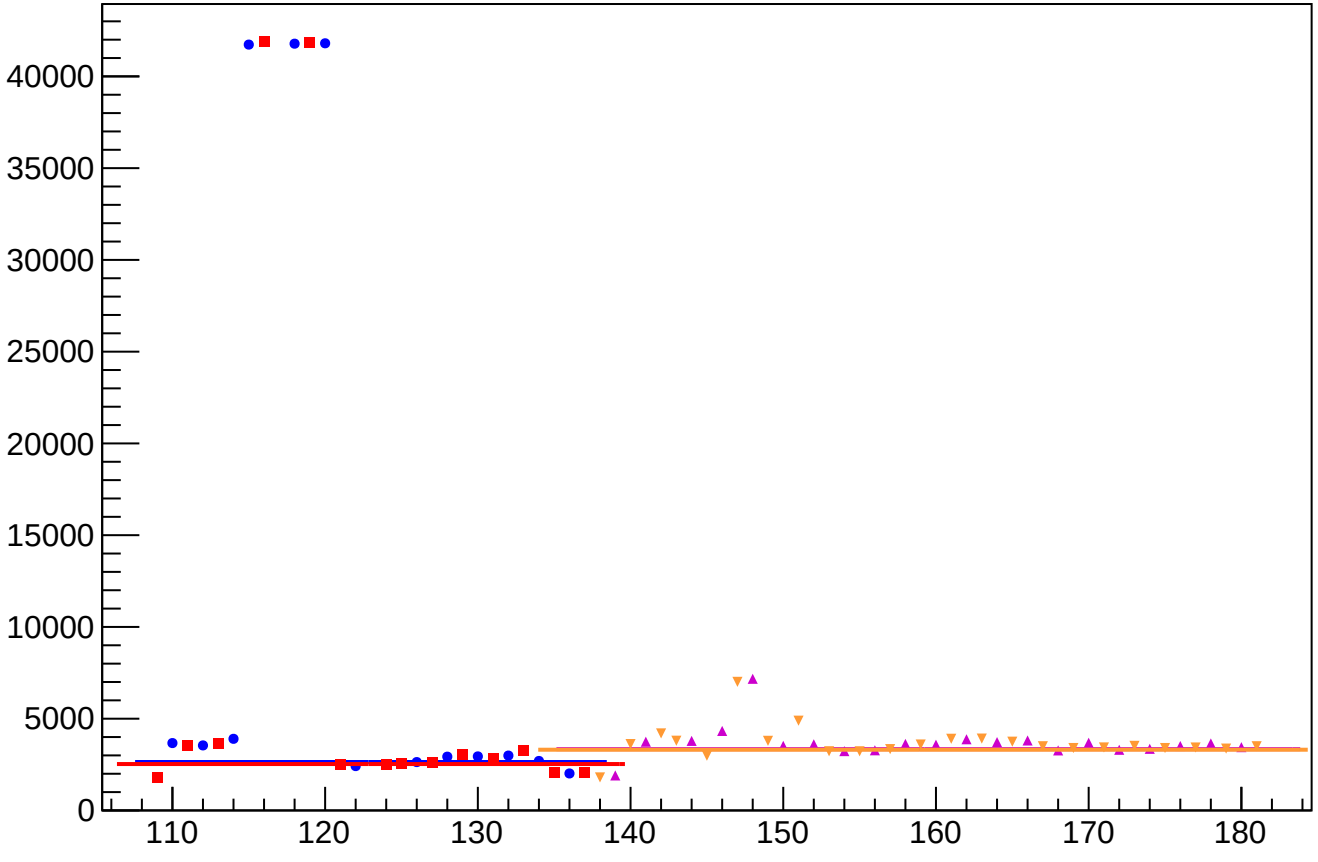
Left In: -0.197+/-0.831 χ^2/NDF:12.6/20

+ sign -0.632+/-0.674 χ^2/NDF: 53.1/35

All: -0.814+/-0.481 χ^2/NDF: 82.4/70

- sign -1.002+/-0.685 χ^2/NDF: 29.1/34

diff_bpm1p02bY_rms vs Slug



Right In: 2639.943+/-0.883 χ^2/NDF: 2173395.1/12

Left Out: 3309.553+/-0.566 χ^2/NDF:1890954.1/22

Right Out: 2529.018+/-0.856 χ^2/NDF: 1949928.1/13

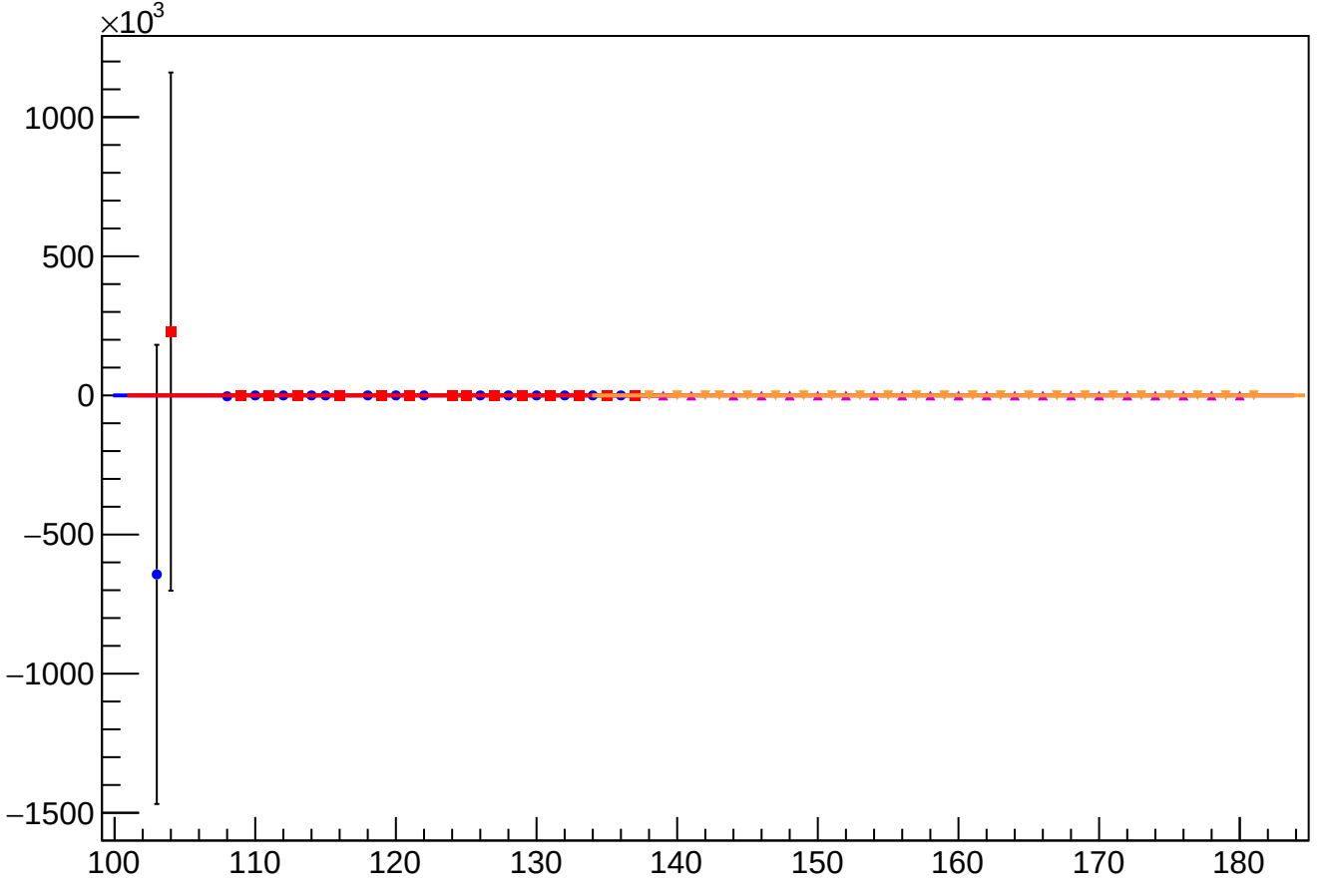
Left In: 3341.007+/-0.588 χ^2/NDF:1627196.1/20

+ sign 3114.296+/-0.477 χ^2/NDF: 4472005.4/35

All: 3097.898+/-0.340 χ^2/NDF: 8662804.6/70

- sign 3080.951+/-0.485 χ^2/NDF: 4188392.7/34

diff_bpm1p03aX_mean vs Slug



Right In: -1.215+/-1.125 χ^2/NDF: 18.8/14

Left Out: -1.577+/-0.373 χ^2/NDF:49.5/22

Right Out: -2.670+/-1.211 χ^2/NDF: 14.4/14

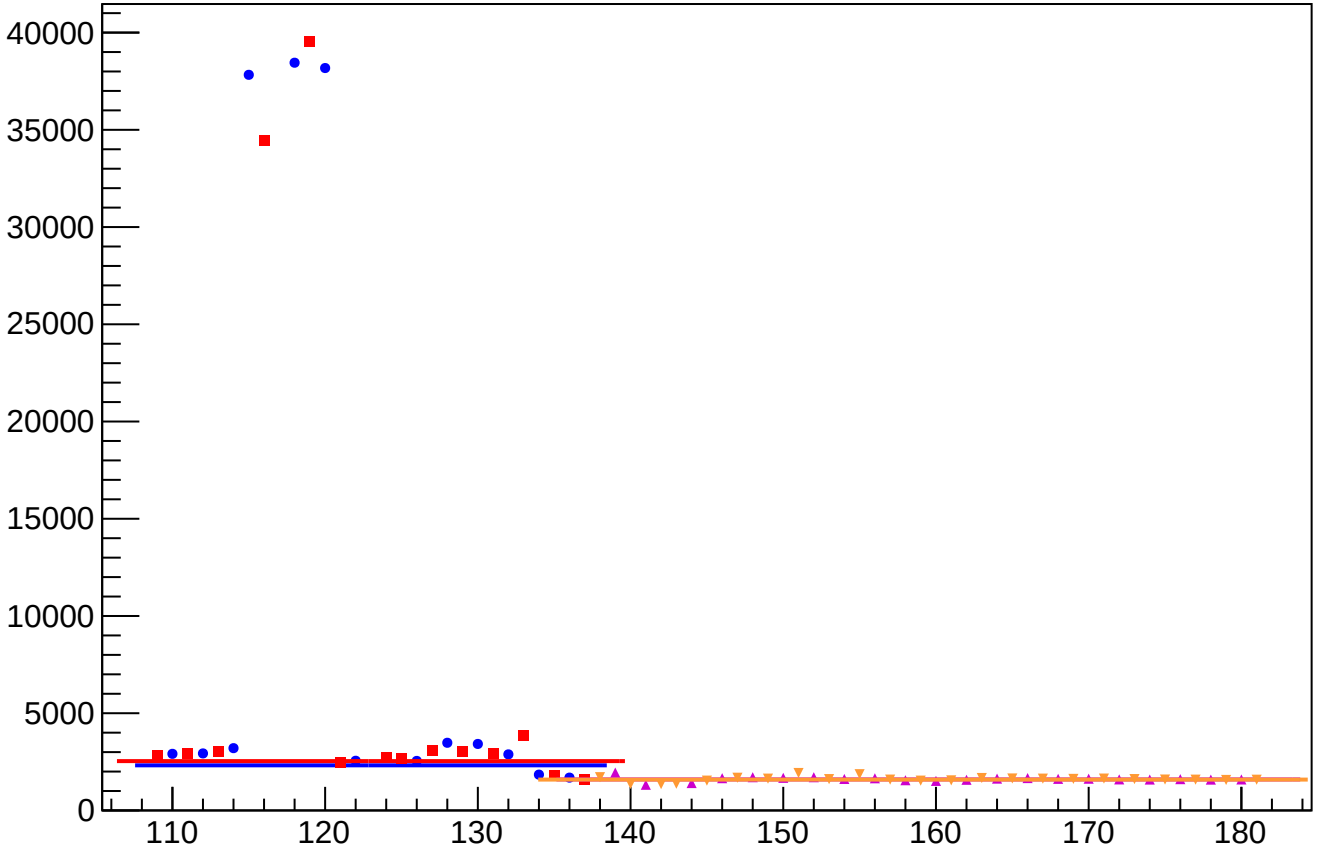
Left In: -0.077+/-0.386 χ^2/NDF:26.0/20

+ sign -1.541+/-0.354 χ^2/NDF: 68.4/37

All: -0.952+/-0.255 χ^2/NDF: 118.7/73

- sign -0.316+/-0.368 χ^2/NDF: 44.6/35

diff_bpm1p03aX_rms vs Slug



Right In: 2320.446+/-0.796 χ^2/NDF: 2461445.1/12

Left Out: 1587.163+/-0.264 χ^2/NDF:230715.8/22

Right Out: 2537.615+/-0.856 χ^2/NDF: 2038153.2/13

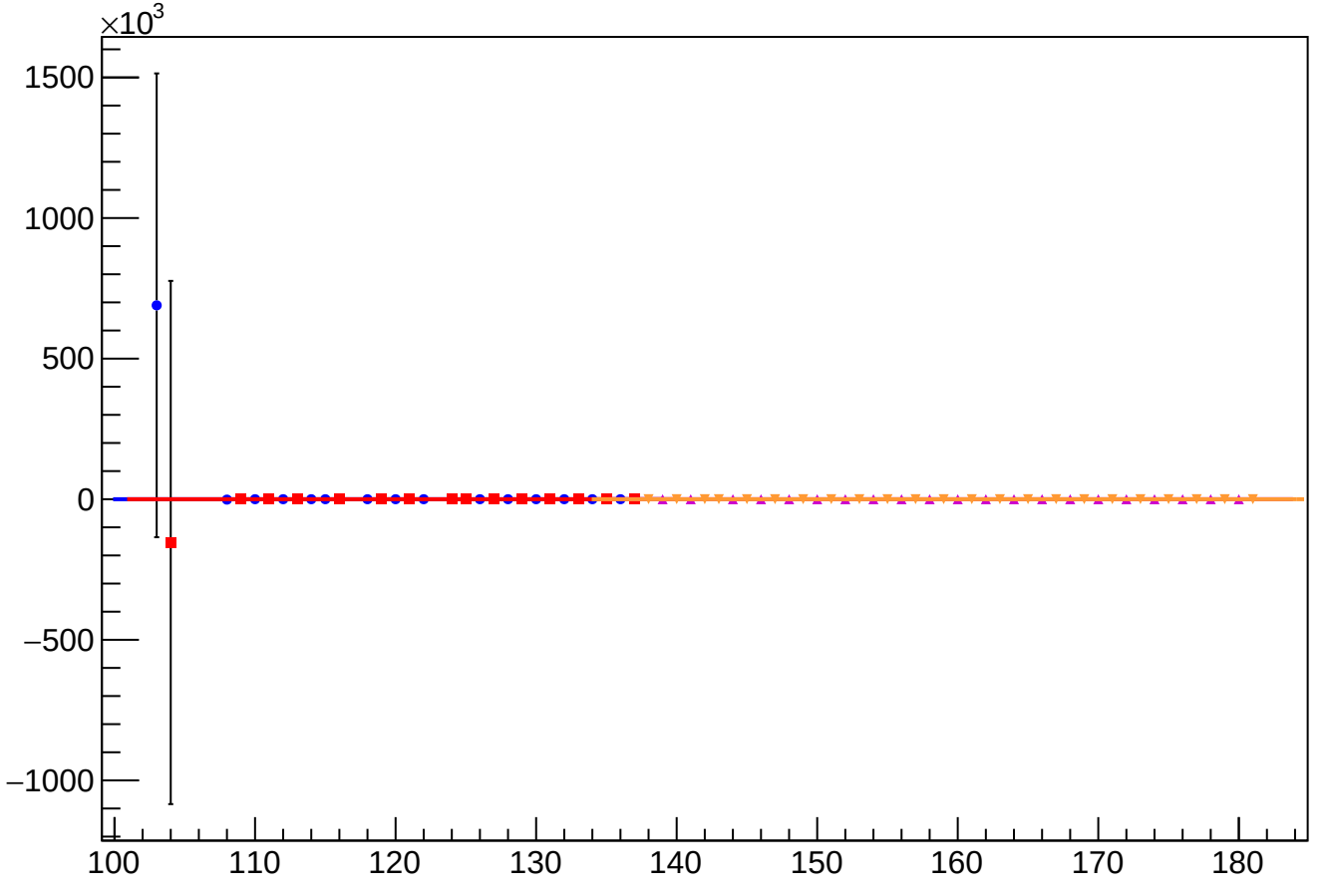
Left In: 1594.777+/-0.273 χ^2/NDF:196226.1/20

+ sign 1659.644+/-0.250 χ^2/NDF: 3457505.0/35

All: 1670.224+/-0.180 χ^2/NDF: 6795982.2/70

- sign 1681.649+/-0.260 χ^2/NDF: 3334756.8/34

diff_bpm1p03aY_mean vs Slug



Right In: 1.708+/-1.076 χ^2/NDF: 5.0/14

Left Out: -1.209+/-0.516 χ^2/NDF:22.0/22

Right Out: -1.893+/-1.052 χ^2/NDF: 15.3/14

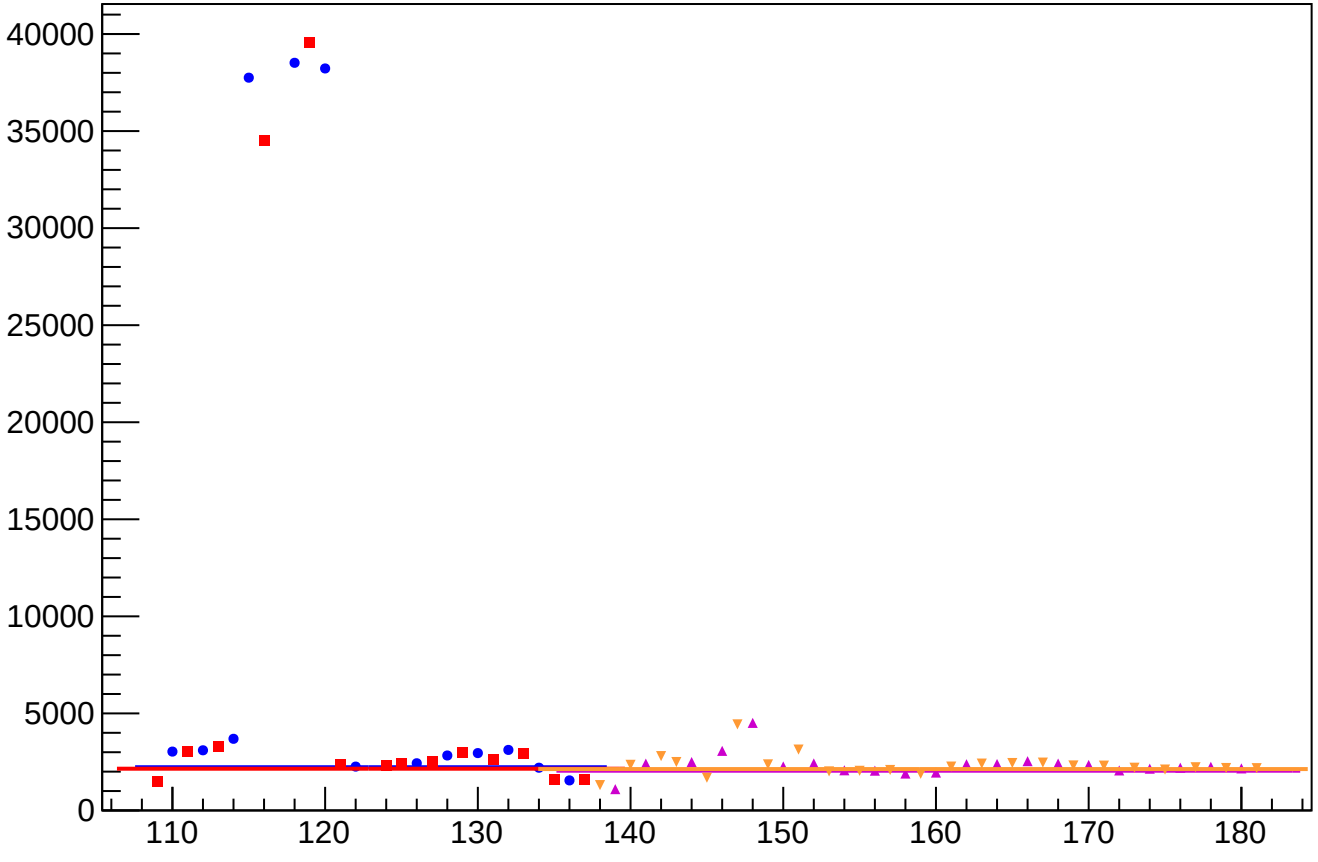
Left In: 0.108+/-0.515 χ^2/NDF:16.4/20

\+ sign -0.664+/-0.465 χ^2/NDF: 33.0/37

All: -0.471+/-0.328 χ^2/NDF: 68.0/73

\- sign -0.280+/-0.463 χ^2/NDF: 34.6/35

diff_bpm1p03aY_rms vs Slug



Right In: 2226.944+/-0.761 χ^2/NDF: 2522286.5/12

Left Out: 2132.453+/-0.365 χ^2/NDF:1472966.5/22

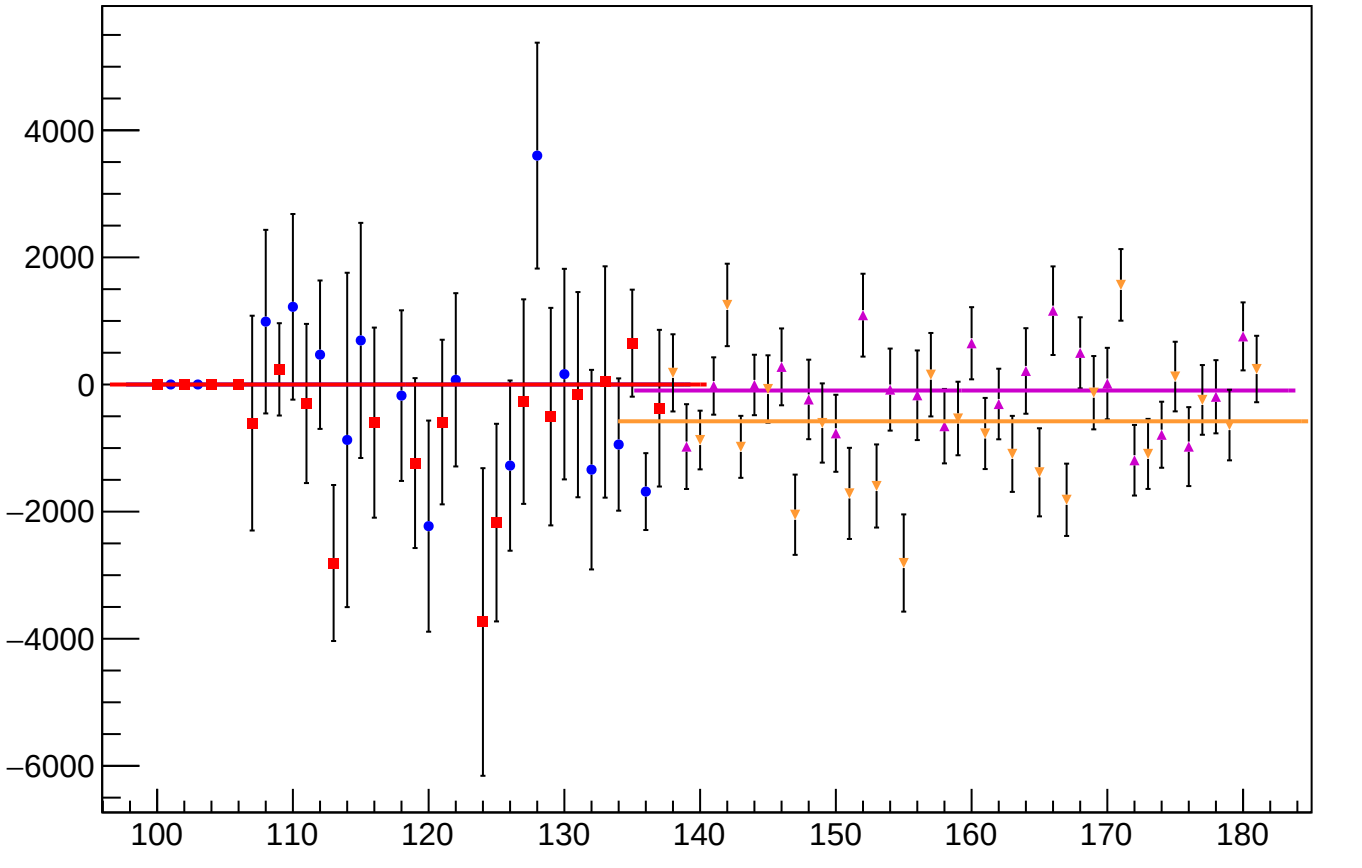
Right Out: 2150.841+/-0.744 χ^2/NDF: 2231322.0/13

Left In: 2047.770+/-0.364 χ^2/NDF:2278397.1/20

+ sign 2150.104+/-0.329 χ^2/NDF: 4007786.6/35

All: 2108.705+/-0.232 χ^2/NDF: 8564508.7/70

- sign 2067.730+/-0.327 χ^2/NDF: 4525207.9/34



Right In: 0.255+/-0.356 χ^2/NDF: 17.7/15

Left Out: -578.716+/-121.182 χ^2/NDF:59.1/22

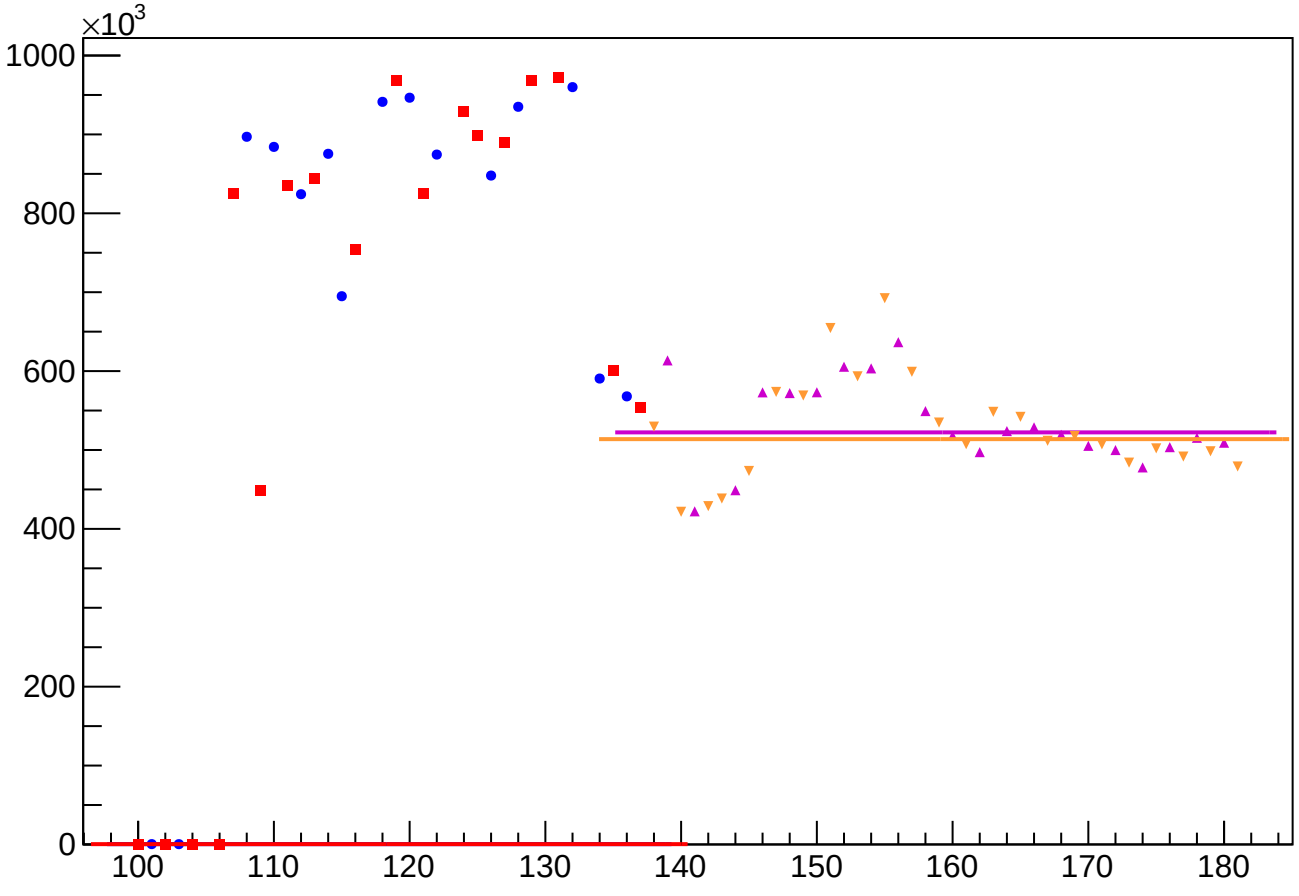
Right Out: 0.096+/-0.328 χ^2/NDF: 15.4/18

Left In: -94.512+/-126.697 χ^2/NDF:24.5/20

+ sign 0.250+/-0.356 χ^2/NDF: 99.6/38

All: 0.166+/-0.241 χ^2/NDF: 140.2/78

- sign 0.095+/-0.328 χ^2/NDF: 40.4/39



Right In: 398.881+/-0.251 χ^2/NDF: 8491830.9/14

Left Out: 513754.996+/-85.689 χ^2/NDF:491508.3/22

Right Out: 393.240+/-0.232 χ^2/NDF: 7648578.2/17

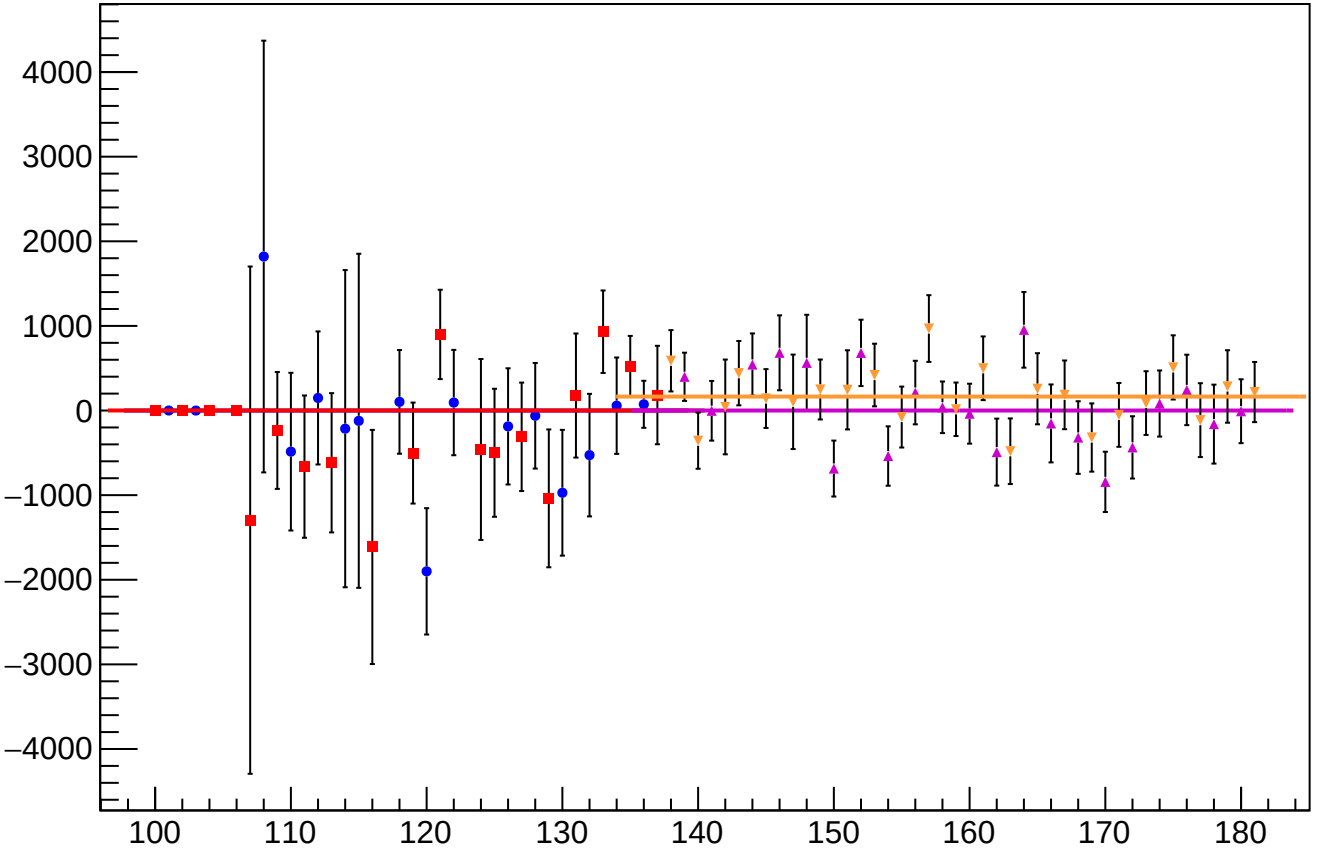
Left In: 522319.571+/-89.588 χ^2/NDF:372590.3/20

+ sign 403.303+/-0.251 χ^2/NDF: 44874206.5/37

All: 399.750+/-0.170 χ^2/NDF: 86835983.4/76

- sign 396.733+/-0.232 χ^2/NDF: 41961407.9/38

diff_cav4bY_mean vs Slug



Right In: -0.020+/-0.347 χ^2/NDF: 10.5/15

Left Out: 164.845+/-80.708 χ^2/NDF:16.6/22

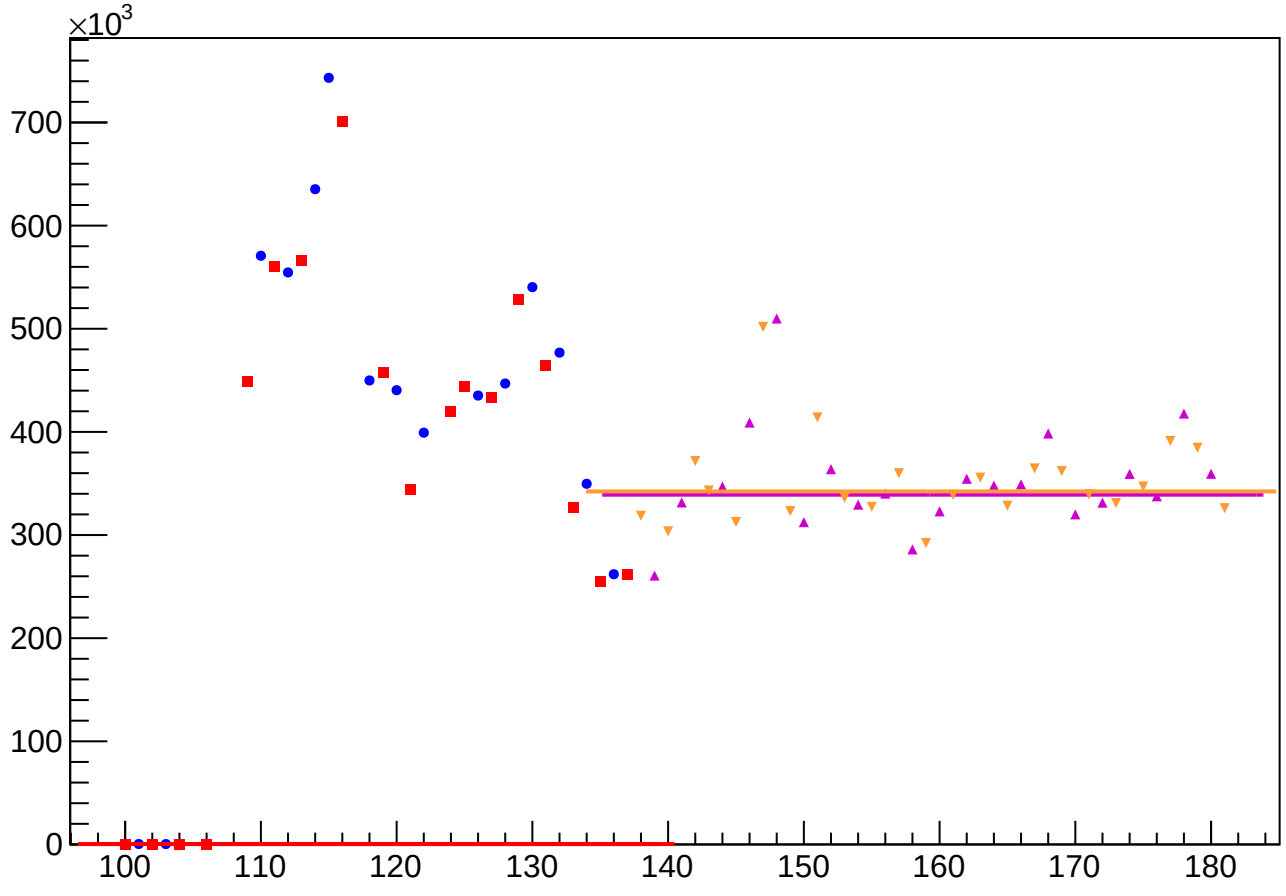
Right Out: 0.599+/-0.324 χ^2/NDF: 15.0/18

Left In: 0.150+/-82.683 χ^2/NDF:31.8/20

+ sign -0.017+/-0.347 χ^2/NDF: 31.2/38

All: 0.312+/-0.237 χ^2/NDF: 79.7/78

- sign 0.599+/-0.324 χ^2/NDF: 46.8/39



Right In: 390.276+/-0.245 χ^2/NDF: 11132240.7/14

Left Out: 342266.367+/-57.069 χ^2/NDF:396966.5/22

Right Out: 387.984+/-0.229 χ^2/NDF: 11074302.3/17

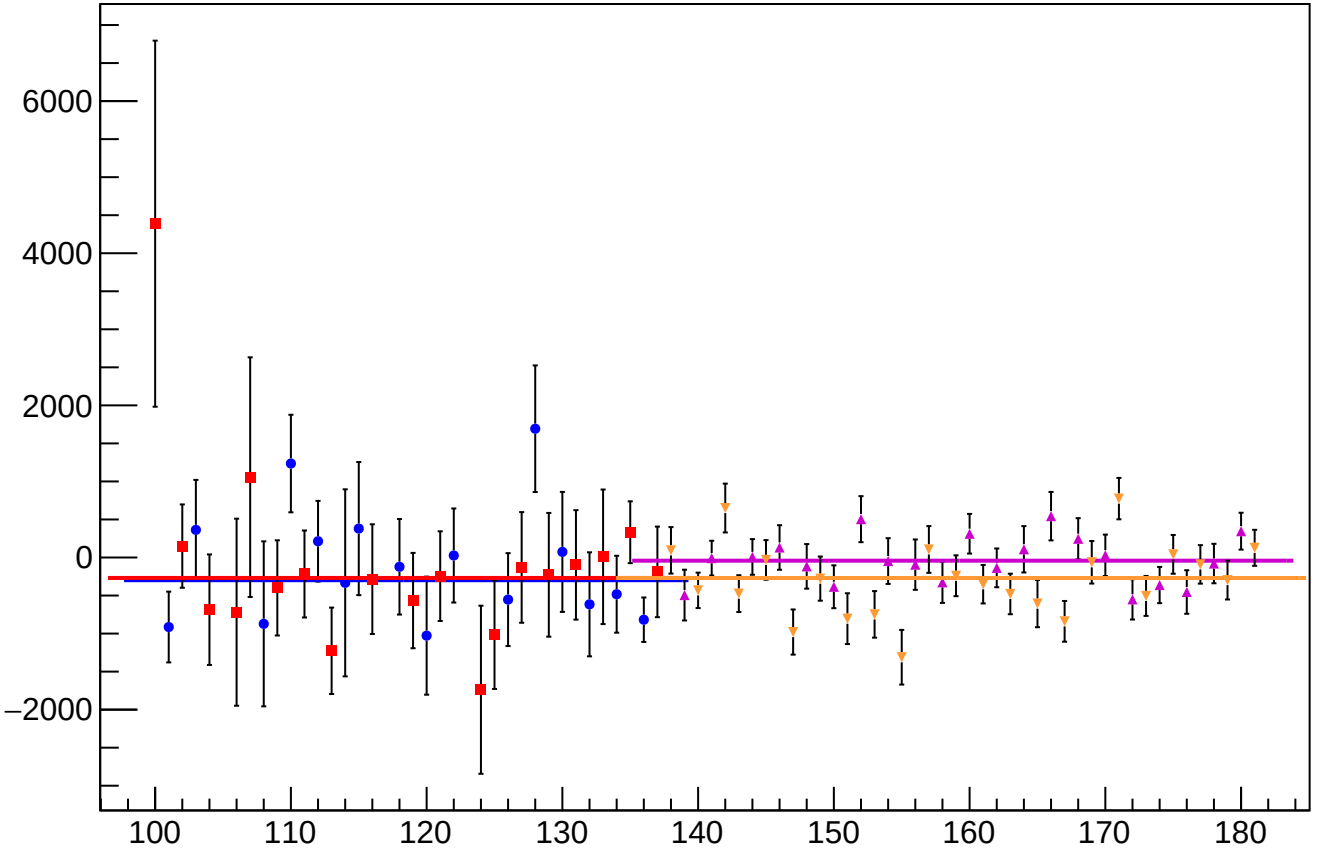
Left In: 339116.131+/-58.469 χ^2/NDF:588844.4/20

+ sign 396.599+/-0.245 χ^2/NDF: 47415421.5/37

All: 394.770+/-0.167 χ^2/NDF: 92640725.0/76

- sign 393.179+/-0.229 χ^2/NDF: 45225199.6/38

diff_cav4cX_mean vs Slug



Right In: -298.263+/-147.367 χ^2/NDF: 21.2/15

Left Out: -269.500+/-57.271 χ^2/NDF:59.6/22

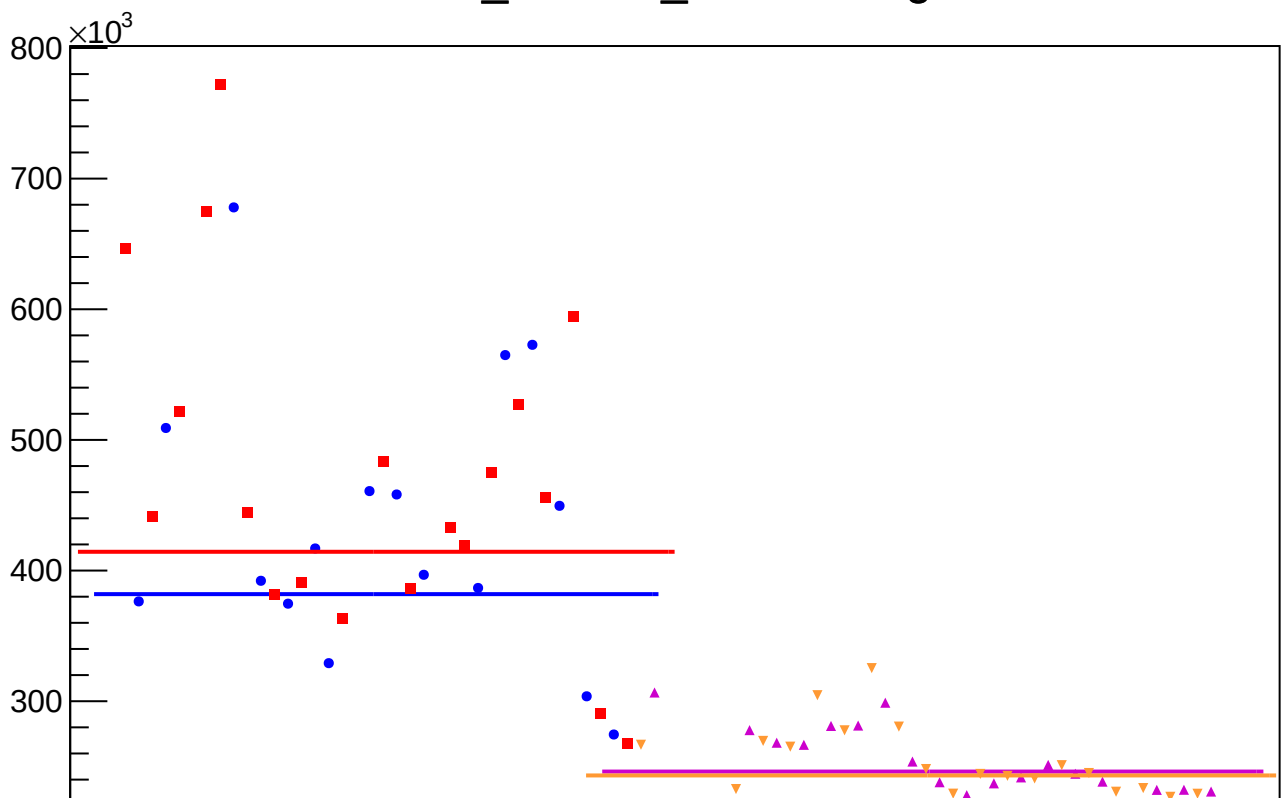
Right Out: -268.892+/-156.582 χ^2/NDF: 13.9/18

Left In: -41.689+/-59.667 χ^2/NDF:25.1/20

+ sign -273.274+/-53.381 χ^2/NDF: 80.8/38

All: -176.296+/-38.558 χ^2/NDF: 128.5/78

- sign -70.497+/-55.756 χ^2/NDF: 40.8/39



Right In: 381960.471+/-104.223 χ^2/NDF: 836441.6/15

Left Out: 243187.202+/-40.496 χ^2/NDF:399906.5/22

Right Out: 414378.043+/-110.748 χ^2/NDF: 760082.5/18

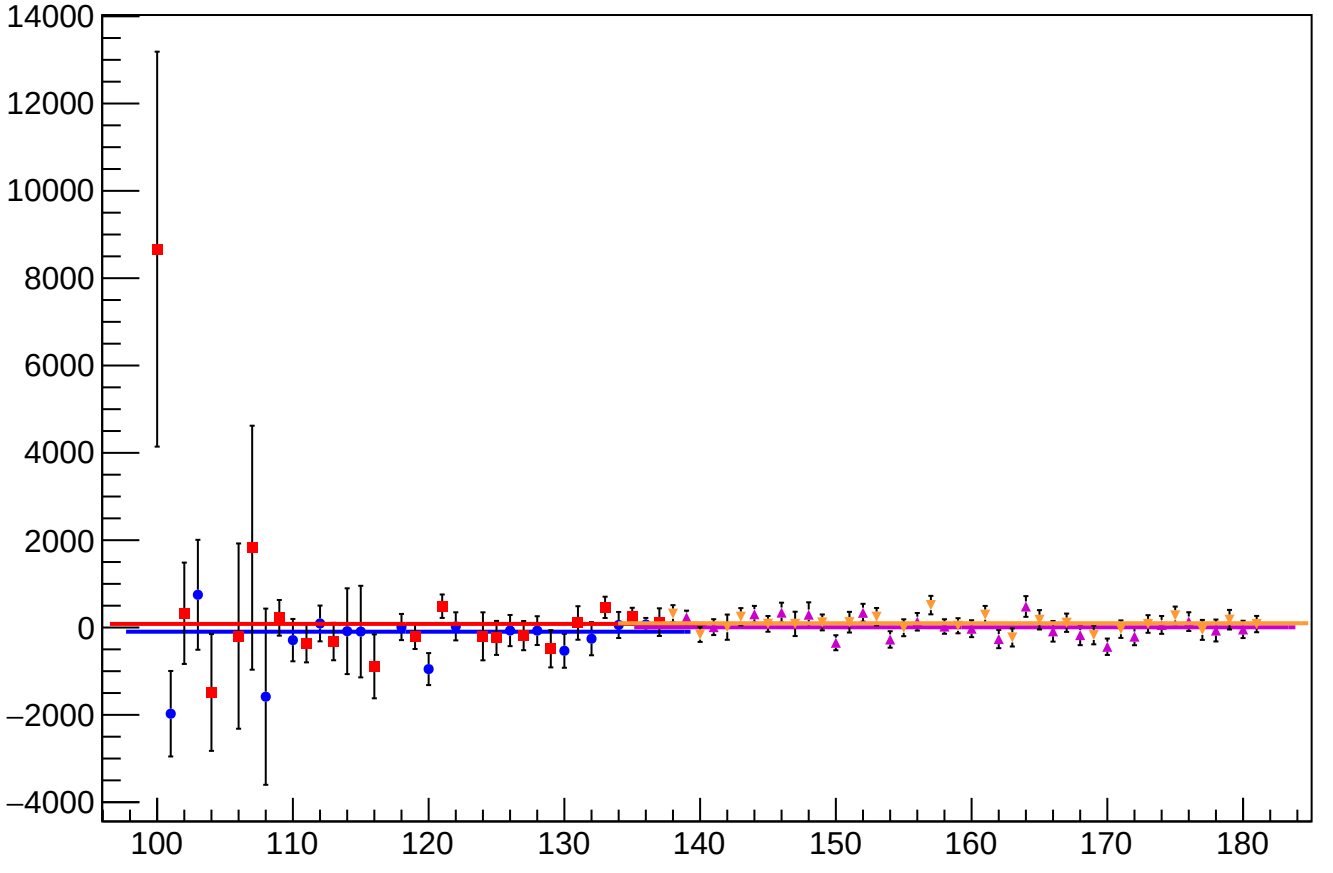
Left In: 246159.032+/-42.191 χ^2/NDF:340949.8/20

+ sign 261390.252+/-37.747 χ^2/NDF: 2776692.2/38

All: 264302.059+/-27.266 χ^2/NDF: 5904913.

- sign 267478.766+/-39.427 χ^2/NDF: 3115778.5/39

diff_cav4cY_mean vs Slug



Right In: -95.850+/-88.267 χ^2/NDF: 13.7/15

Left Out: 98.521+/-42.567 χ^2/NDF:16.0/22

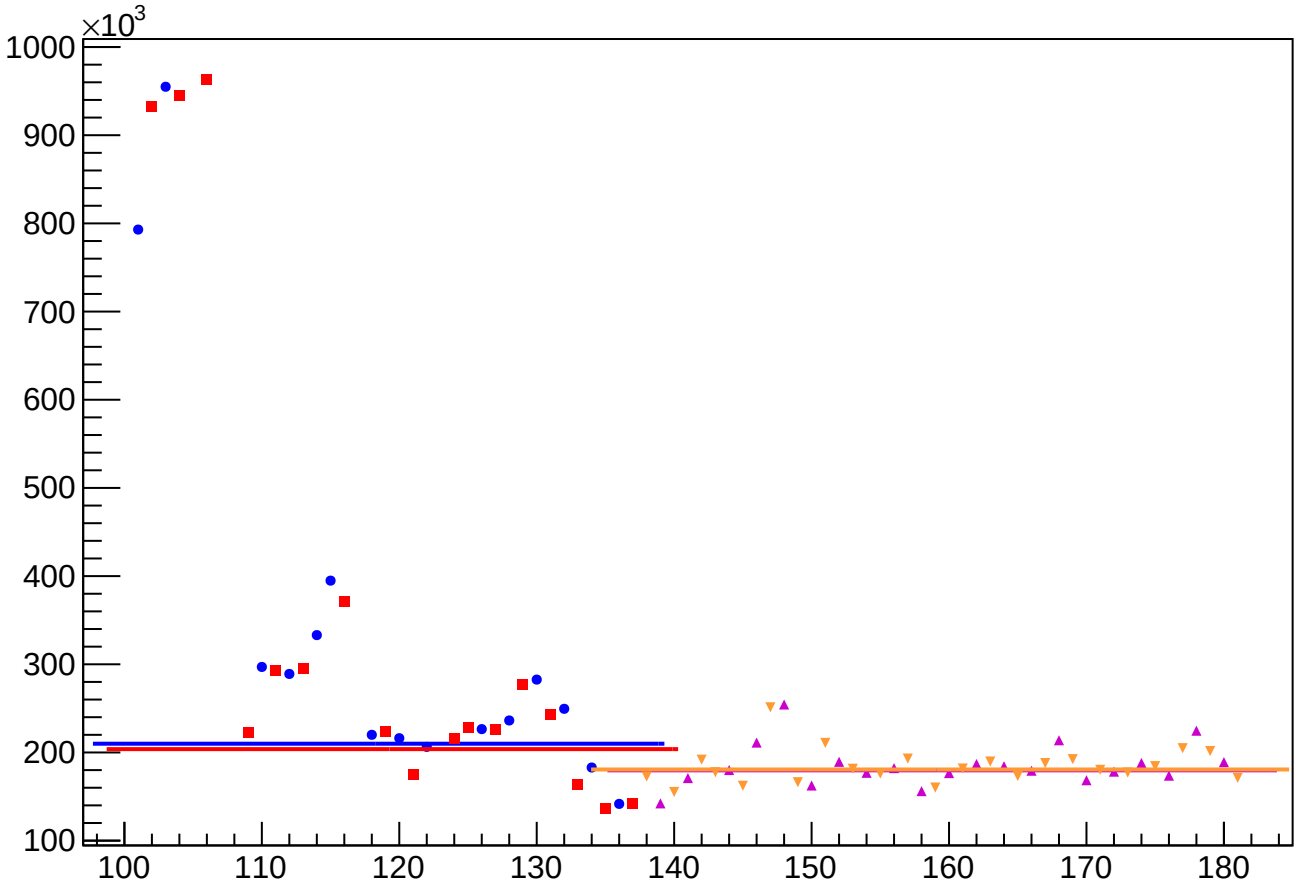
Right Out: 82.750+/-87.316 χ^2/NDF: 19.1/18

Left In: 5.150+/-43.739 χ^2/NDF:31.2/20

+ sign 61.846+/-38.341 χ^2/NDF: 33.6/38

All: 41.688+/-27.378 χ^2/NDF: 85.1/78

- sign 20.716+/-39.107 χ^2/NDF: 50.9/39



Right In: 209929.195+/-62.523 χ^2/NDF: 1959897.2/14

Left Out: 180709.990+/-30.099 χ^2/NDF:341982.5/22

Right Out: 203793.382+/-61.895 χ^2/NDF: 2070478.1/16

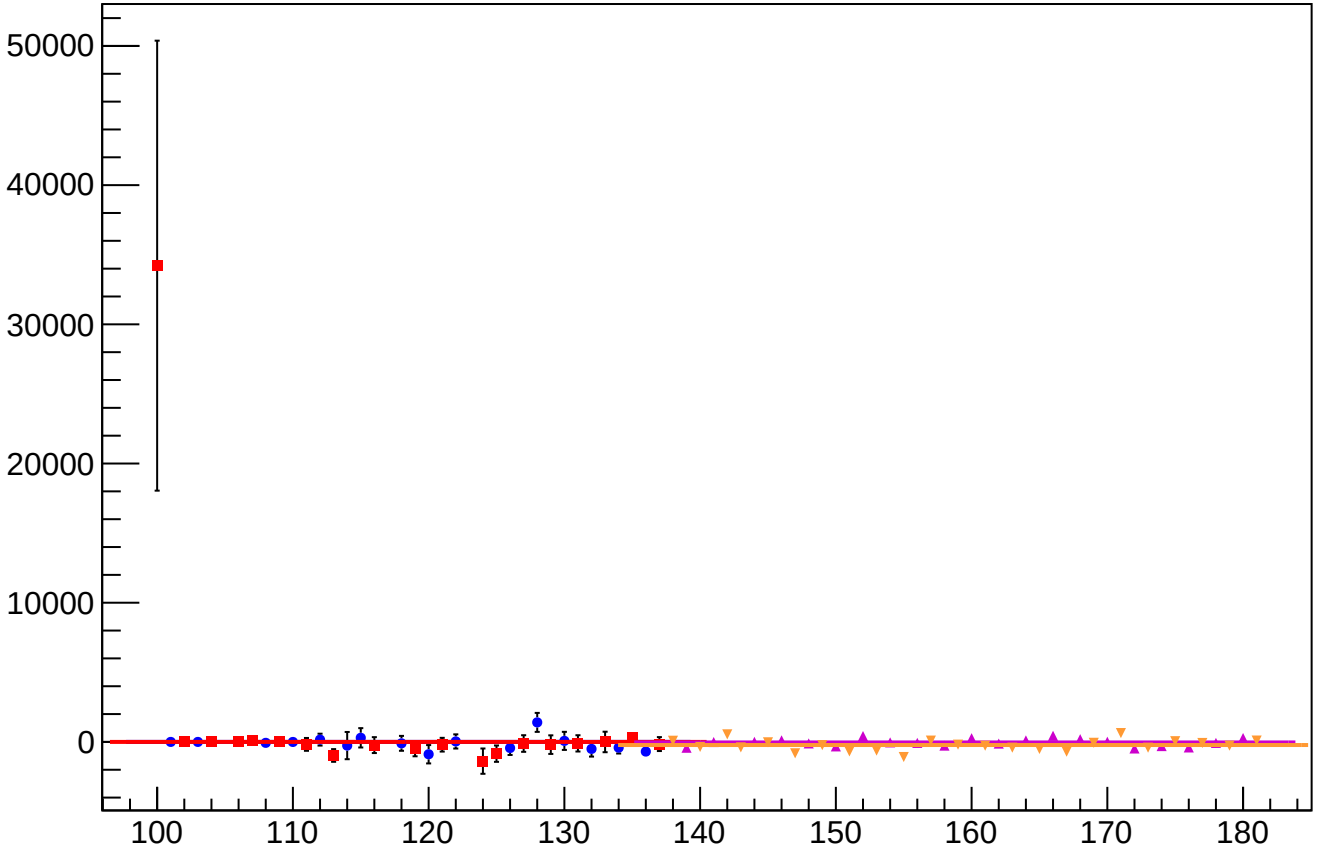
Left In: 179737.047+/-30.928 χ^2/NDF:492068.7/20

+ sign 186207.632+/-27.120 χ^2/NDF: 2479190.7/37

All: 185392.201+/-19.367 χ^2/NDF: 5164461.

- sign 184543.583+/-27.667 χ^2/NDF: 2683425.5/37

diff_cav4dX_mean vs Slug



Right In: -0.035+/-0.172 χ^2/NDF: 18.1/15

Left Out: -223.491+/-47.892 χ^2/NDF:59.3/22

Right Out: -0.355+/-0.160 χ^2/NDF: 16.5/18

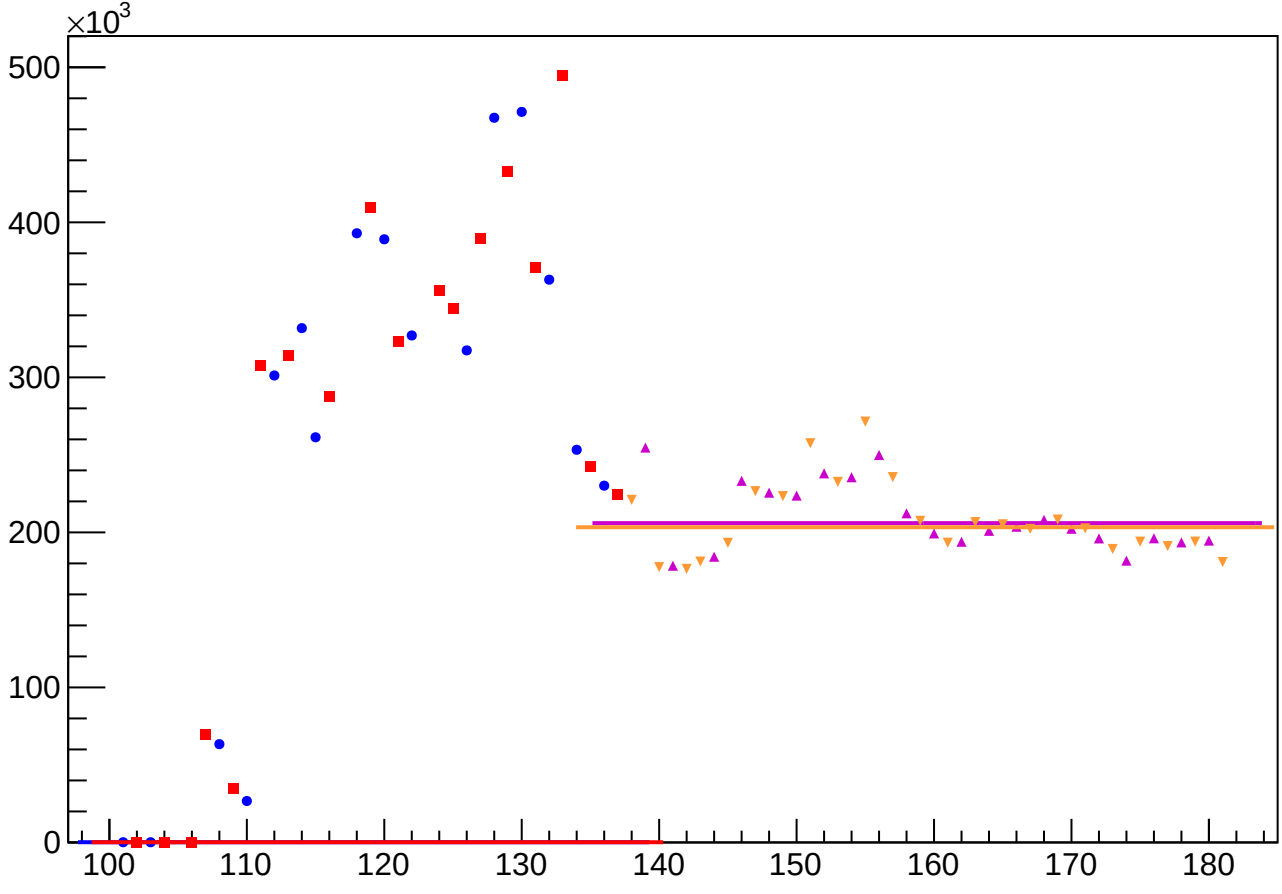
Left In: -38.830+/-49.931 χ^2/NDF:25.2/20

+ sign -0.038+/-0.172 χ^2/NDF: 99.2/38

All: -0.208+/-0.117 χ^2/NDF: 143.3/78

- sign -0.355+/-0.160 χ^2/NDF: 42.2/39

diff_cav4dX_rms vs Slug



Right In: 149.092+/-0.122 χ^2/NDF: 11301940.9/15

Left Out: 203317.471+/-33.865 χ^2/NDF:413939.6/22

Right Out: 149.379+/-0.113 χ^2/NDF: 11288711.4/17

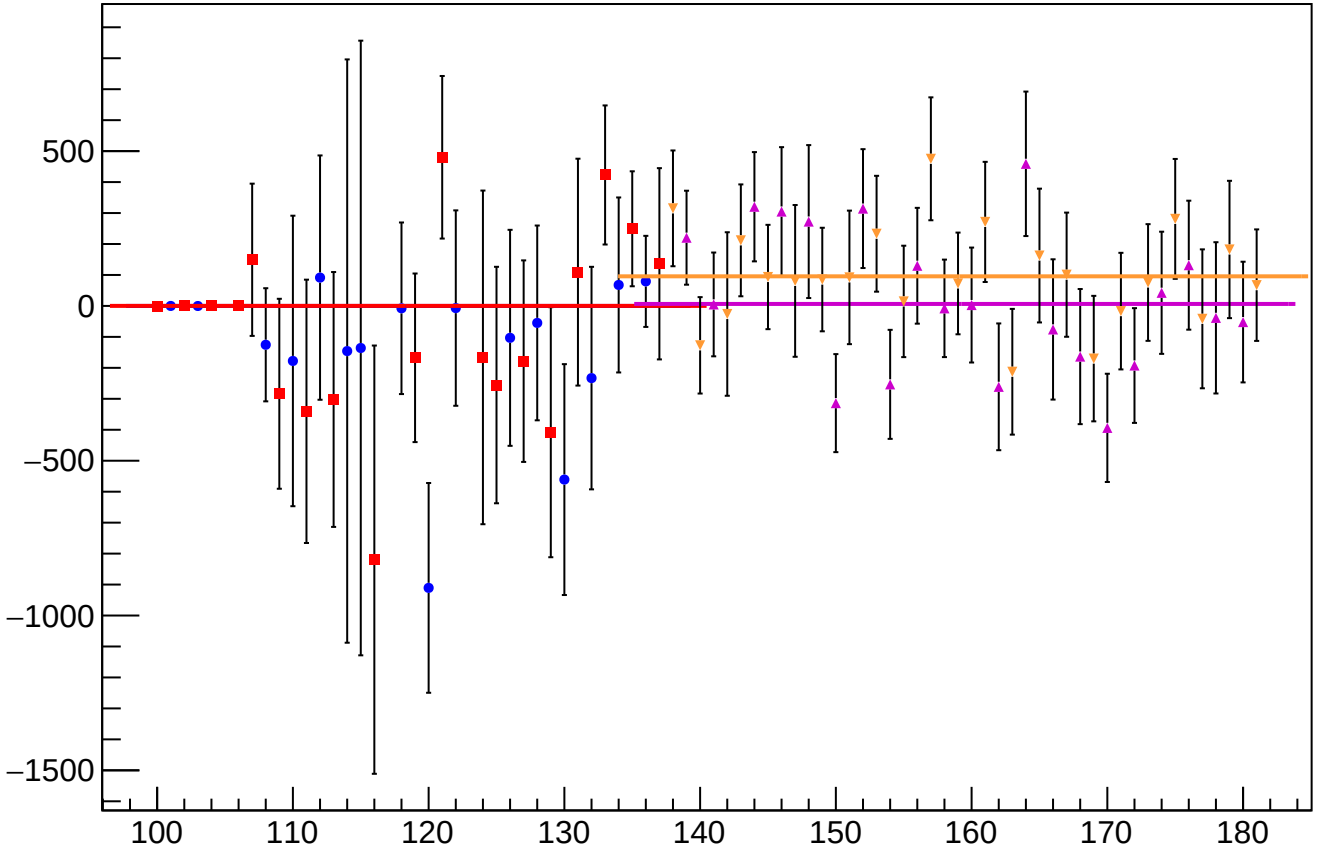
Left In: 205974.505+/-35.307 χ^2/NDF:347328.9/20

+ sign 151.721+/-0.122 χ^2/NDF: 47708282.0/38

All: 151.600+/-0.083 χ^2/NDF: 93328268.4/77

- sign 151.496+/-0.113 χ^2/NDF: 45619984.5/38

diff_cav4dY_mean vs Slug



Right In: -0.068+/-0.177 χ^2/NDF: 11.2/15

Left Out: 95.607+/-40.117 χ^2/NDF:15.3/22

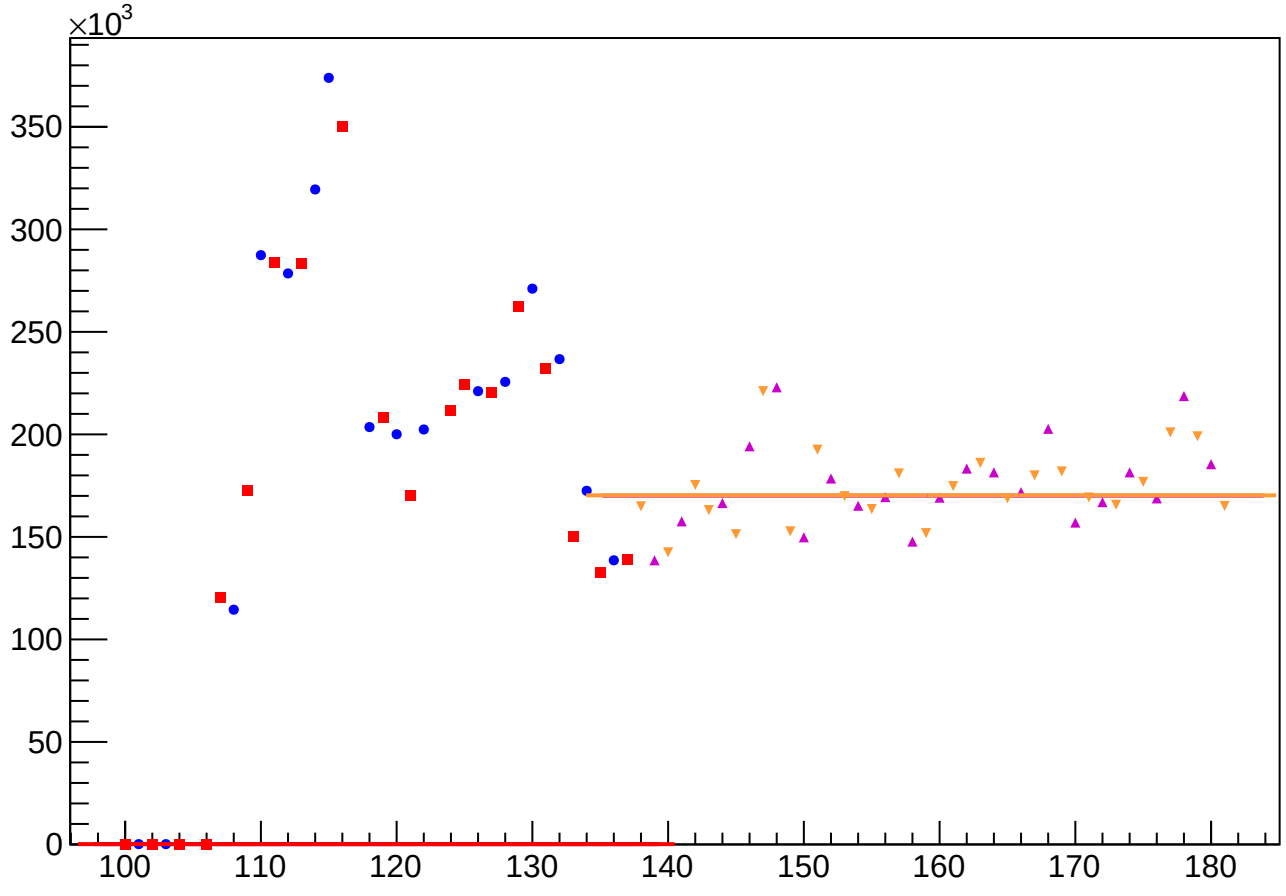
Right Out: 0.126+/-0.166 χ^2/NDF: 15.2/18

Left In: 6.401+/-41.372 χ^2/NDF:30.8/20

+ sign -0.066+/-0.177 χ^2/NDF: 32.2/38

All: 0.036+/-0.121 χ^2/NDF: 78.8/78

- sign 0.126+/-0.166 χ^2/NDF: 46.0/39



Right In: 153.460+/-0.125 χ^2/NDF: 11904914.7/15

Left Out: 170272.265+/-28.367 χ^2/NDF:358522.1/22

Right Out: 156.158+/-0.118 χ^2/NDF: 11330885.6/18

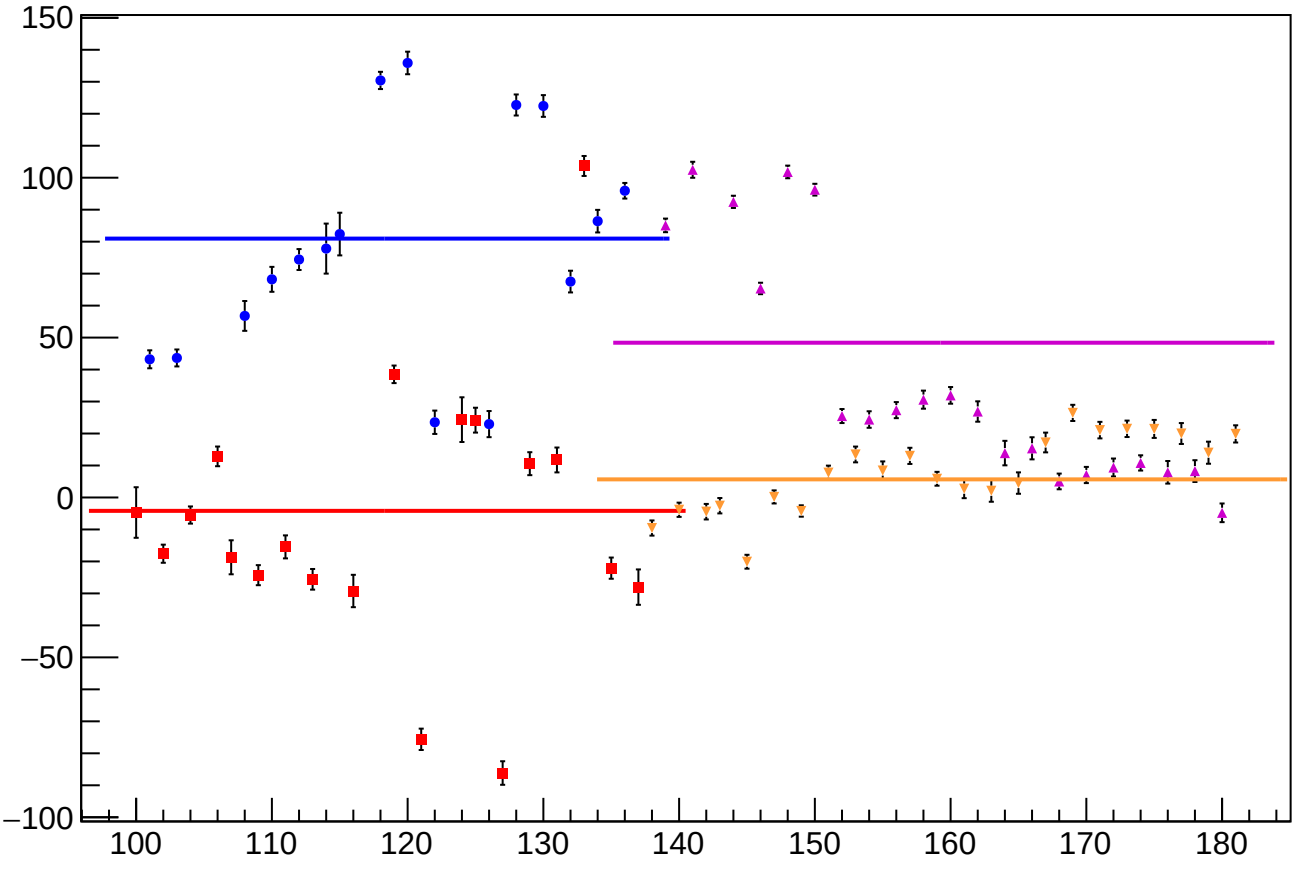
Left In: 170116.268+/-29.255 χ^2/NDF:463374.5/20

+ sign 156.780+/-0.125 χ^2/NDF: 48228159.0/38

All: 157.912+/-0.086 χ^2/NDF: 93774333.0/78

- sign 158.910+/-0.118 χ^2/NDF: 45546020.6/39

diff_bpm0i01X_mean vs Slug



Right In: 80.955+/-0.851 χ^2/NDF: 1813.9/15

Left Out: 5.664+/-0.524 χ^2/NDF:529.1/22

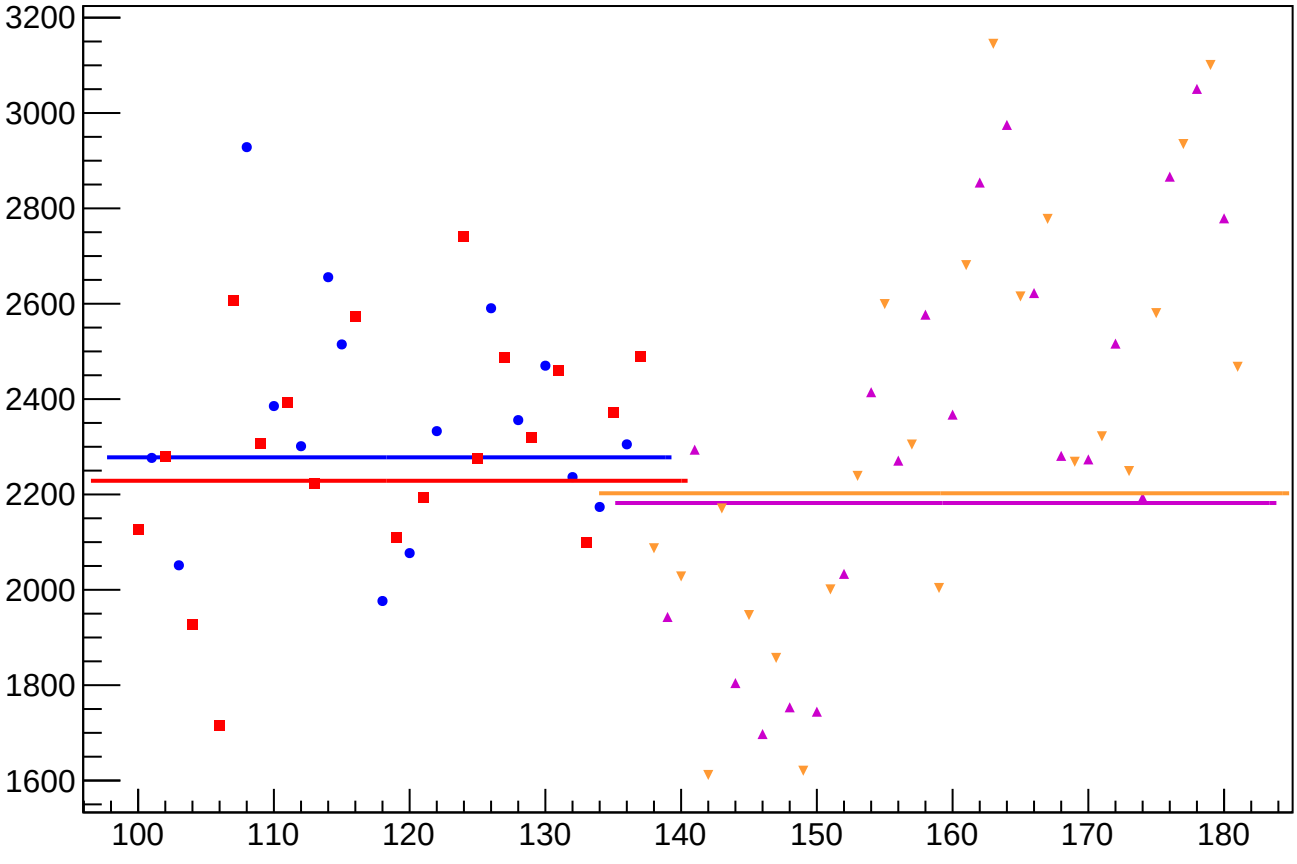
Right Out: -4.183+/-0.820 χ^2/NDF: 2719.7/18

Left In: 48.395+/-0.537 χ^2/NDF:4976.0/20

\+ sign 26.341+/-0.446 χ^2/NDF: 8014.9/38

All: 29.450+/-0.317 χ^2/NDF: 18684.2/78

\- sign 32.604+/-0.449 χ^2/NDF: 10571.5/39



Right In: 2277.867+/-0.602 χ^2/NDF: 115771.4/15

Left Out: 2202.481+/-0.370 χ^2/NDF:1110302.0/22

Right Out: 2228.689+/-0.580 χ^2/NDF: 151135.6/18

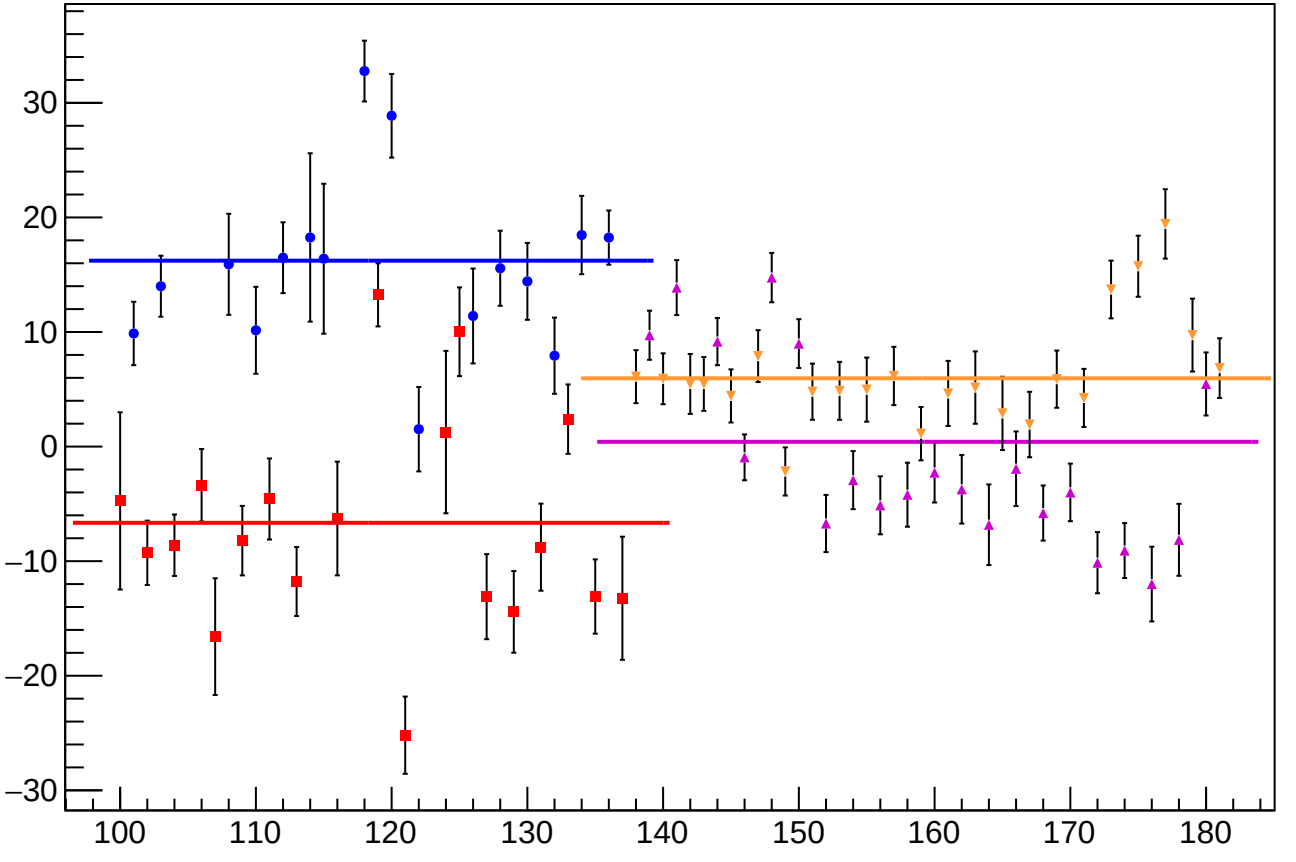
Left In: 2182.076+/-0.380 χ^2/NDF:1067833.5/20

+ sign 2223.184+/-0.316 χ^2/NDF: 1237445.8/38

All: 2209.728+/-0.224 χ^2/NDF: 2464599.7/78

- sign 2196.076+/-0.318 χ^2/NDF: 1223489.7/39

diff_bpm0i01Y_mean vs Slug



Right In: 16.226+/-0.838 χ^2/NDF: 84.5/15

Left Out: 5.962+/-0.532 χ^2/NDF:69.0/22

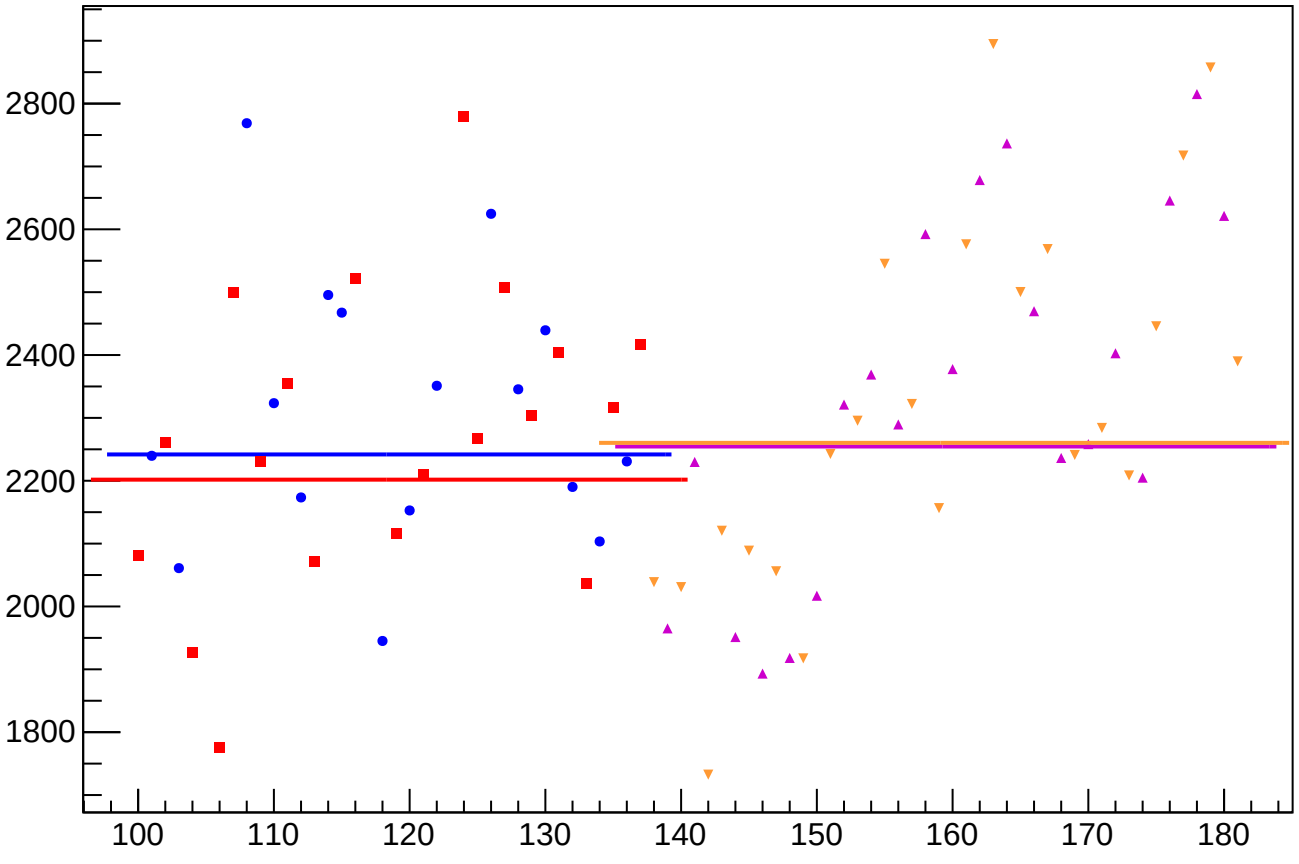
Right Out: -6.652+/-0.809 χ^2/NDF: 134.6/18

Left In: 0.417+/-0.549 χ^2/NDF:220.7/20

+ sign 8.916+/-0.449 χ^2/NDF: 260.5/38

All: 3.611+/-0.319 χ^2/NDF: 949.9/78

- sign -1.810+/-0.454 χ^2/NDF: 407.6/39



Right In: 2241.853+/-0.592 χ^2/NDF: 102260.7/15

Left Out: 2260.280+/-0.376 χ^2/NDF:506934.8/22

Right Out: 2201.739+/-0.572 χ^2/NDF: 129882.5/18

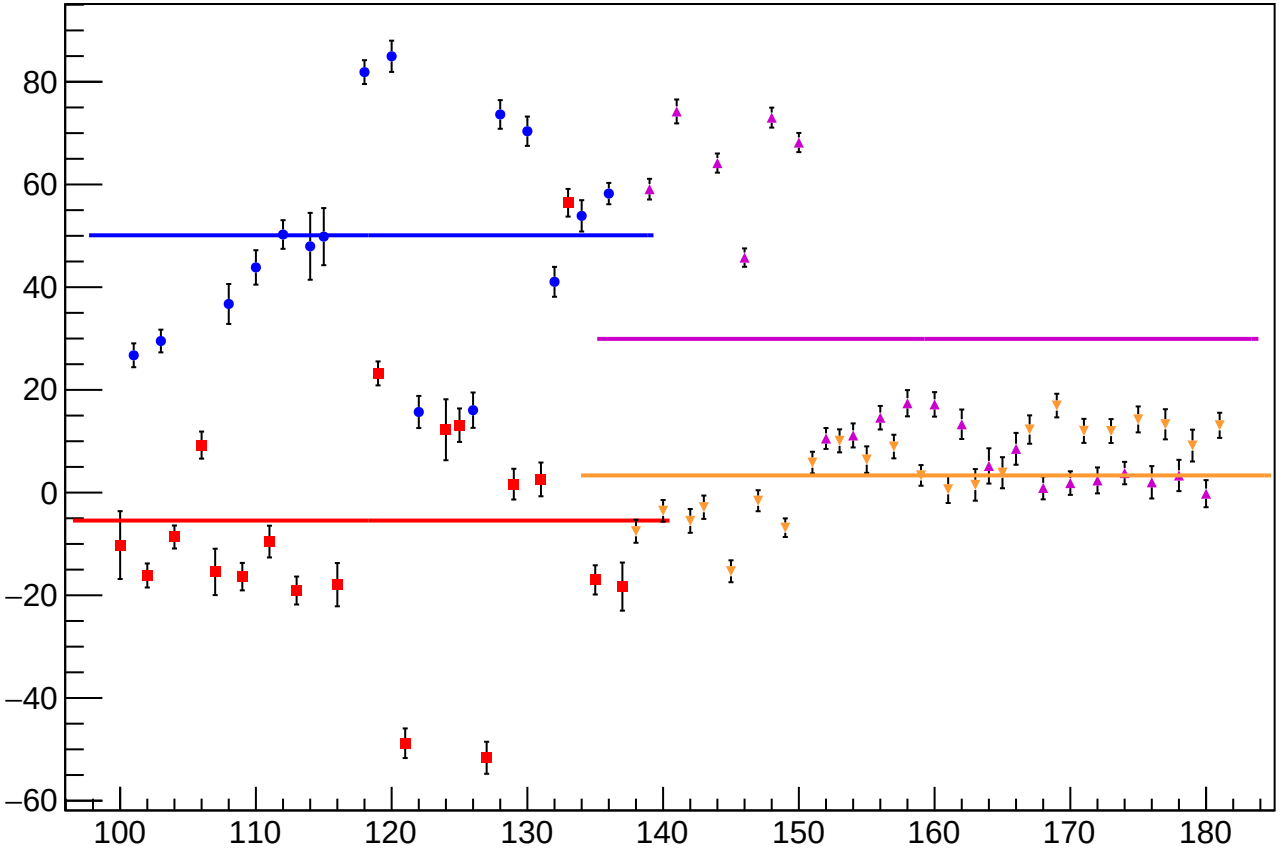
Left In: 2254.488+/-0.388 χ^2/NDF:480259.5/20

+ sign 2254.978+/-0.318 χ^2/NDF: 609885.0/38

All: 2246.518+/-0.226 χ^2/NDF: 1227280.9/78

- sign 2237.874+/-0.321 χ^2/NDF: 615962.7/39

diff_bpm0i01aX_mean vs Slug



Right In: 50.102+/-0.722 χ^2/NDF: 888.5/15

Left Out: 3.343+/-0.490 χ^2/NDF:311.9/22

Right Out: -5.444+/-0.694 χ^2/NDF: 1311.6/18

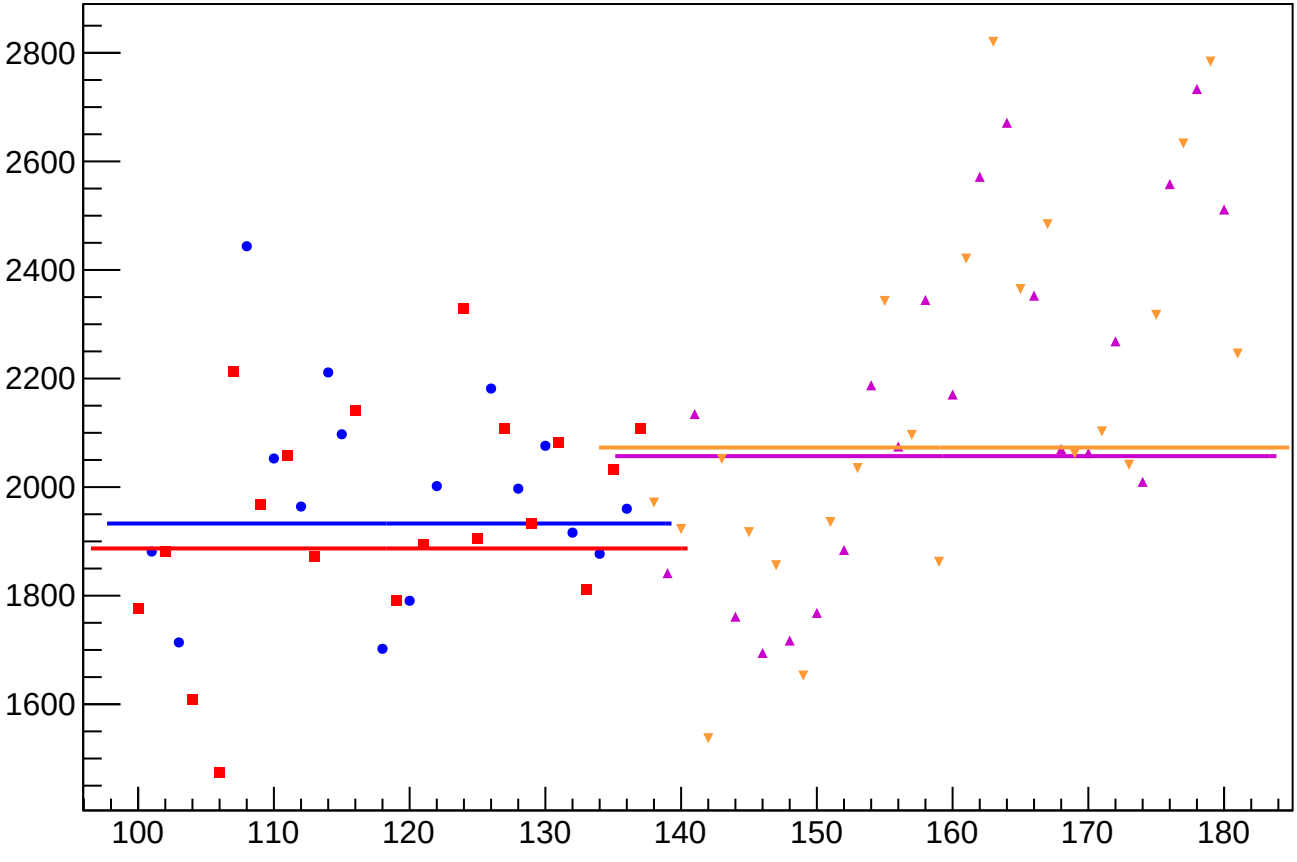
Left In: 29.933+/-0.503 χ^2/NDF:3151.4/20

\+ sign 18.092+/-0.406 χ^2/NDF: 4070.8/38

All: 17.919+/-0.287 χ^2/NDF: 10235.9/78

\- sign 17.743+/-0.408 χ^2/NDF: 6164.7/39

diff_bpm0i01aX_rms vs Slug



Right In: 1932.904+/-0.511 χ^2/NDF: 105967.6/15

Left Out: 2072.975+/-0.347 χ^2/NDF:736924.3/22

Right Out: 1887.006+/-0.491 χ^2/NDF: 149746.6/18

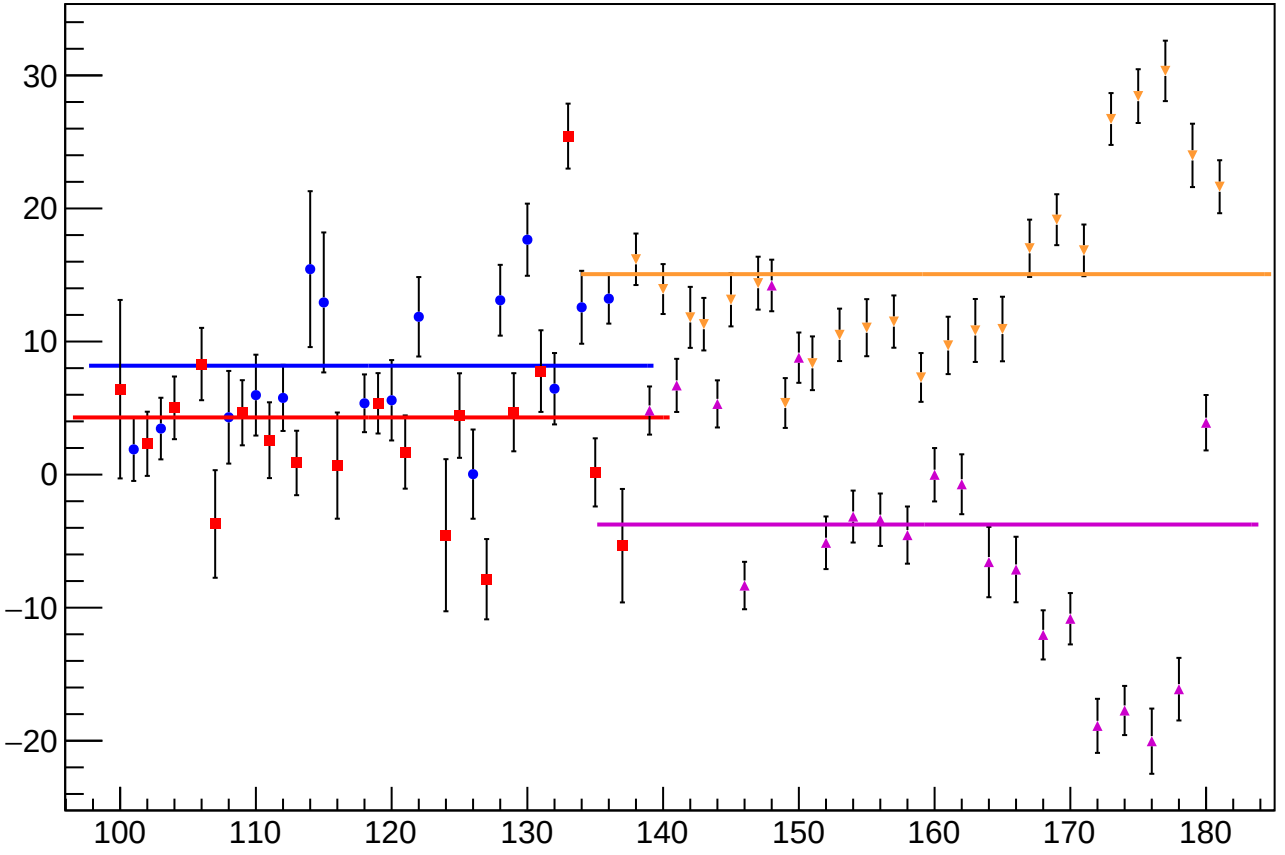
Left In: 2057.047+/-0.356 χ^2/NDF:686860.0/20

+ sign 2028.792+/-0.287 χ^2/NDF: 894404.5/38

All: 2013.697+/-0.203 χ^2/NDF: 1815213.2/78

- sign 1998.456+/-0.288 χ^2/NDF: 915240.9/39

diff_bpm0i01aY_mean vs Slug



Right In: 8.183+/-0.684 χ^2/NDF: 52.0/15

Left Out: 15.064+/-0.426 χ^2/NDF:243.5/22

Right Out: 4.297+/-0.665 χ^2/NDF: 114.0/18

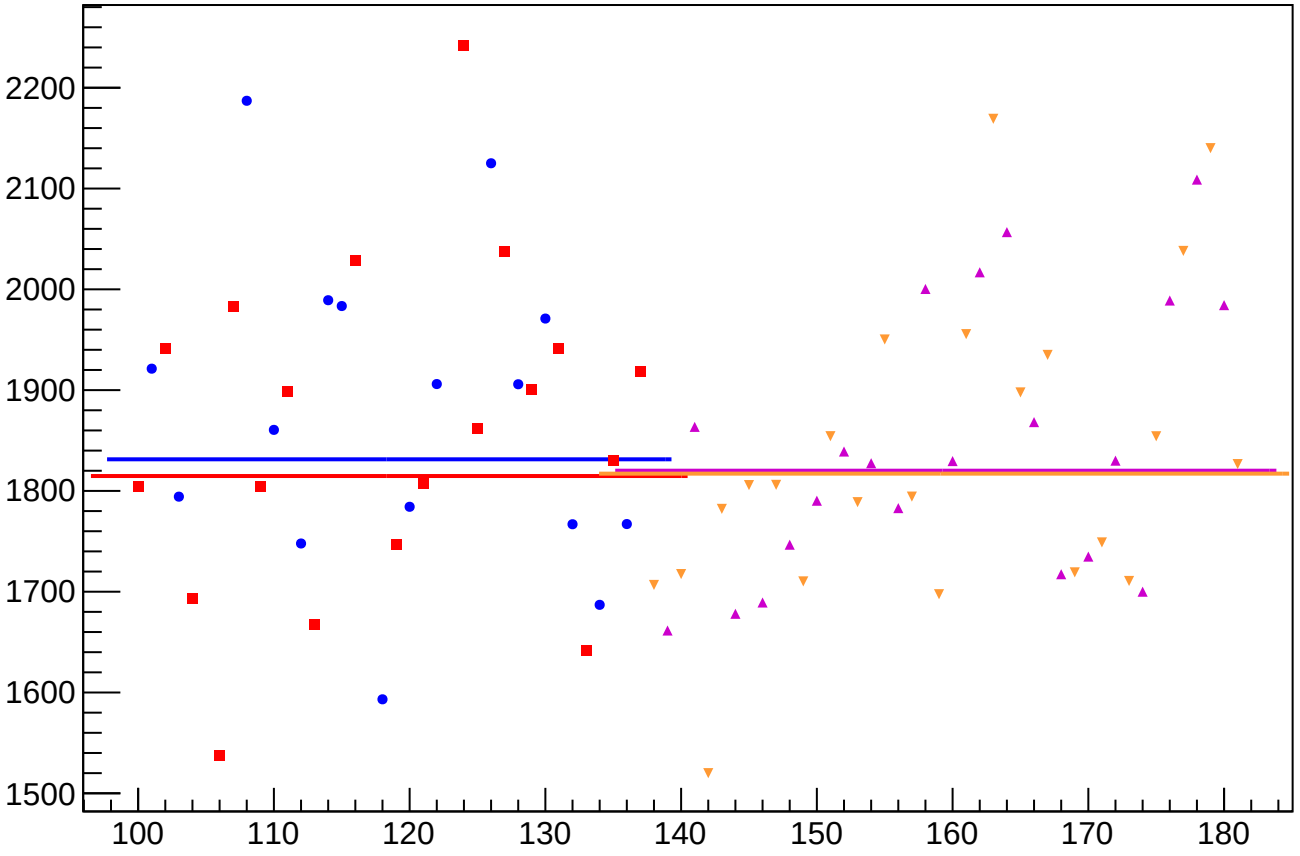
Left In: -3.751+/-0.440 χ^2/NDF:453.2/20

+ sign 13.139+/-0.362 χ^2/NDF: 368.5/38

All: 6.032+/-0.258 χ^2/NDF: 1822.6/78

- sign -1.301+/-0.367 χ^2/NDF: 668.9/39

diff_bpm0i01aY_rms vs Slug



Right In: 1831.359+/-0.483 χ^2/NDF: 86919.2/15

Left Out: 1817.133+/-0.301 χ^2/NDF:201486.3/22

Right Out: 1814.774+/-0.471 χ^2/NDF: 90738.7/18

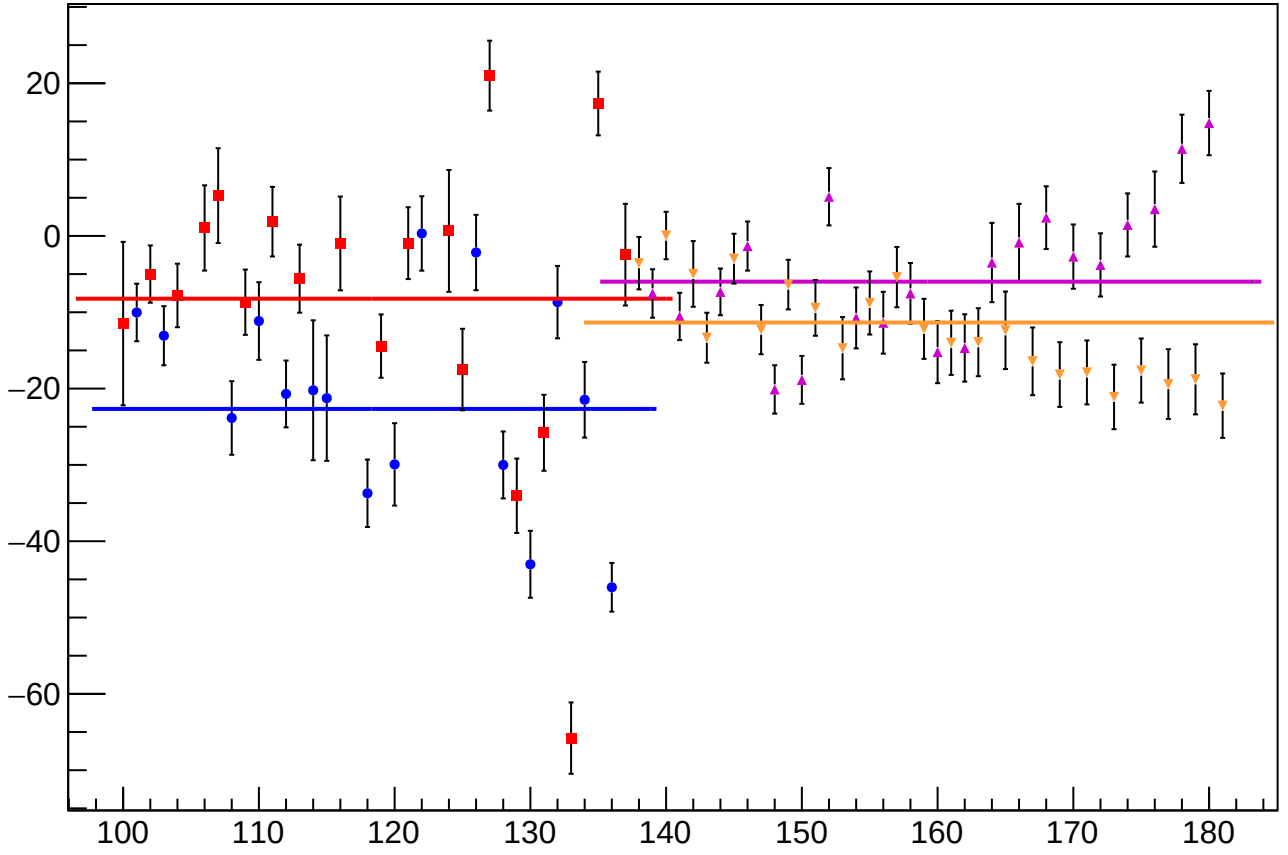
Left In: 1820.058+/-0.311 χ^2/NDF:161101.8/20

\+ sign 1821.112+/-0.256 χ^2/NDF: 289029.5/38

All: 1819.801+/-0.182 χ^2/NDF: 541011.0/78

\- sign 1818.449+/-0.260 χ^2/NDF: 251928.2/39

diff_bpm0l01X_mean vs Slug



Right In: -22.663+/-1.152 χ^2/NDF: 157.2/15

Left Out: -11.345+/-0.812 χ^2/NDF:60.8/22

Right Out: -8.224+/-1.129 χ^2/NDF: 294.8/18

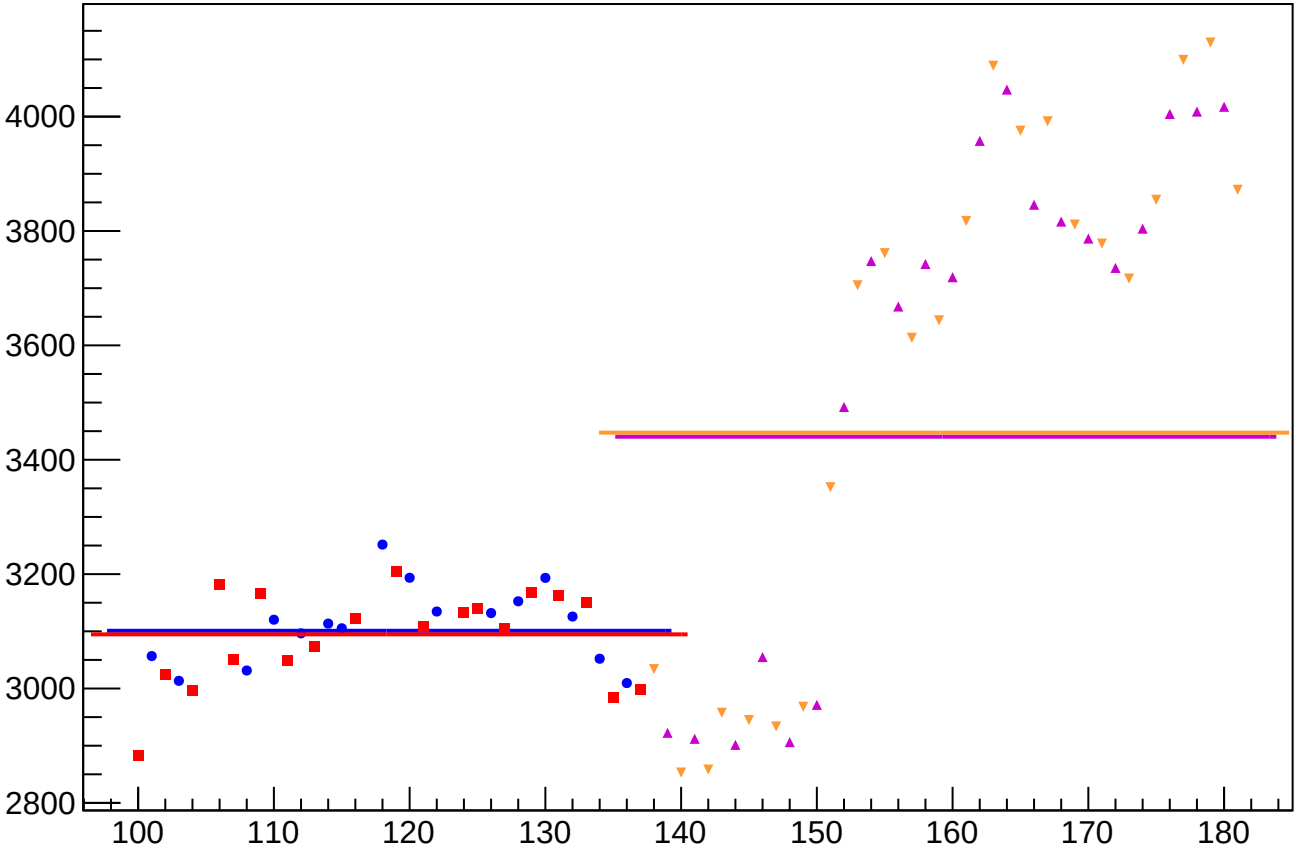
Left In: -5.992+/-0.835 χ^2/NDF:115.3/20

+ sign -15.103+/-0.664 χ^2/NDF: 282.5/38

All: -10.990+/-0.472 χ^2/NDF: 772.8/78

- sign -6.782+/-0.671 χ^2/NDF: 412.6/39

diff_bpm0l01X_rms vs Slug



Right In: 3100.940+/-0.815 χ^2/NDF: 7893.7/15

Left Out: 3447.374+/-0.574 χ^2/NDF:623231.0/22

Right Out: 3094.688+/-0.798 χ^2/NDF: 8584.4/18

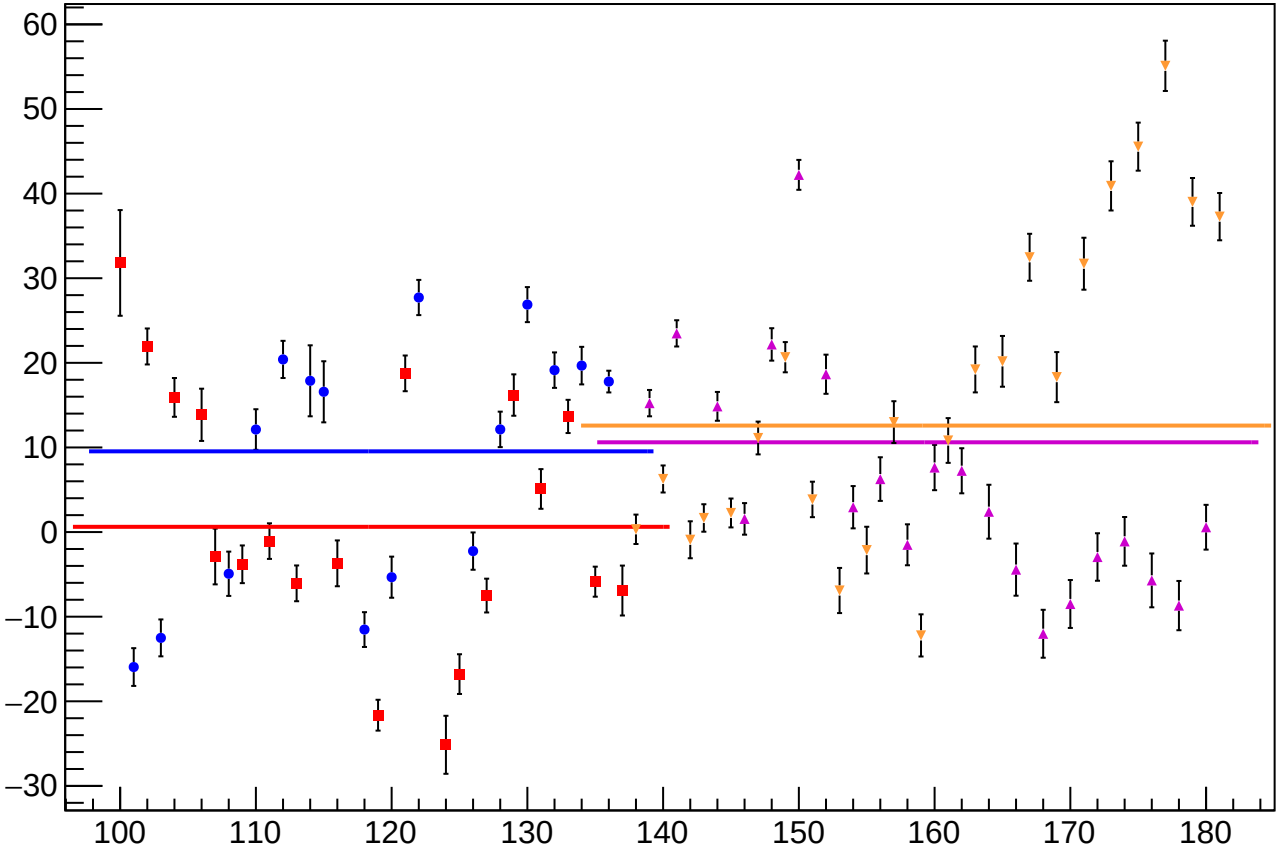
Left In: 3440.293+/-0.591 χ^2/NDF:562602.9/20

+ sign 3332.333+/-0.469 χ^2/NDF: 751946.4/38

All: 3325.259+/-0.334 χ^2/NDF: 1444744.5/78

- sign 3318.022+/-0.475 χ^2/NDF: 692338.6/39

diff_bpm0l01Y_mean vs Slug



Right In: 9.540+/-0.541 χ^2/NDF: 698.7/15

Left Out: 12.586+/-0.476 χ^2/NDF:1111.5/22

Right Out: 0.620+/-0.534 χ^2/NDF: 665.8/18

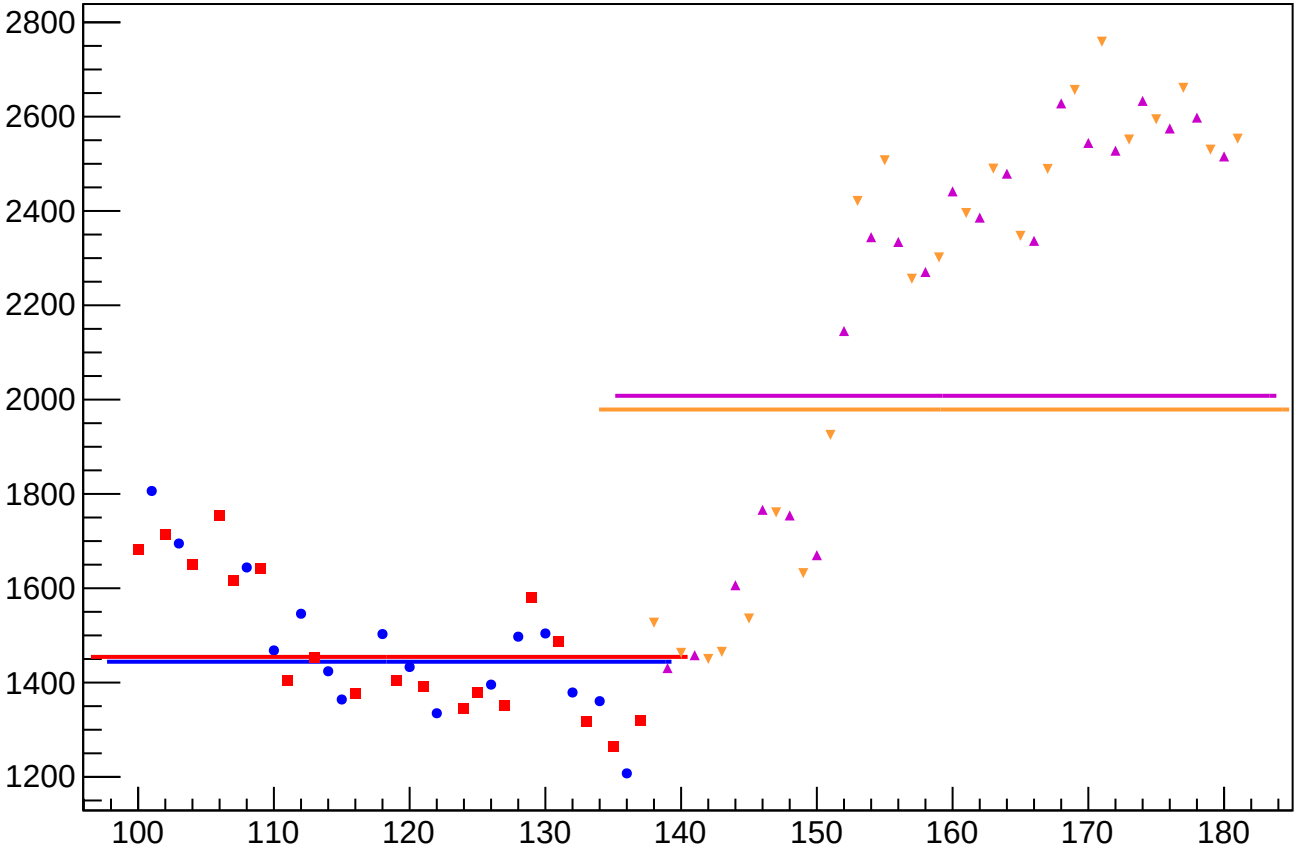
Left In: 10.609+/-0.496 χ^2/NDF:780.2/20

+ sign 11.257+/-0.358 χ^2/NDF: 1828.1/38

All: 8.663+/-0.255 χ^2/NDF: 3568.9/78

- sign 5.981+/-0.364 χ^2/NDF: 1633.8/39

diff_bpm0l01Y_rms vs Slug



Right In: 1444.188+/-0.383 χ^2/NDF: 180147.9/15

Left Out: 1979.002+/-0.337 χ^2/NDF:1975146.6/22

Right Out: 1454.470+/-0.378 χ^2/NDF: 142772.9/18

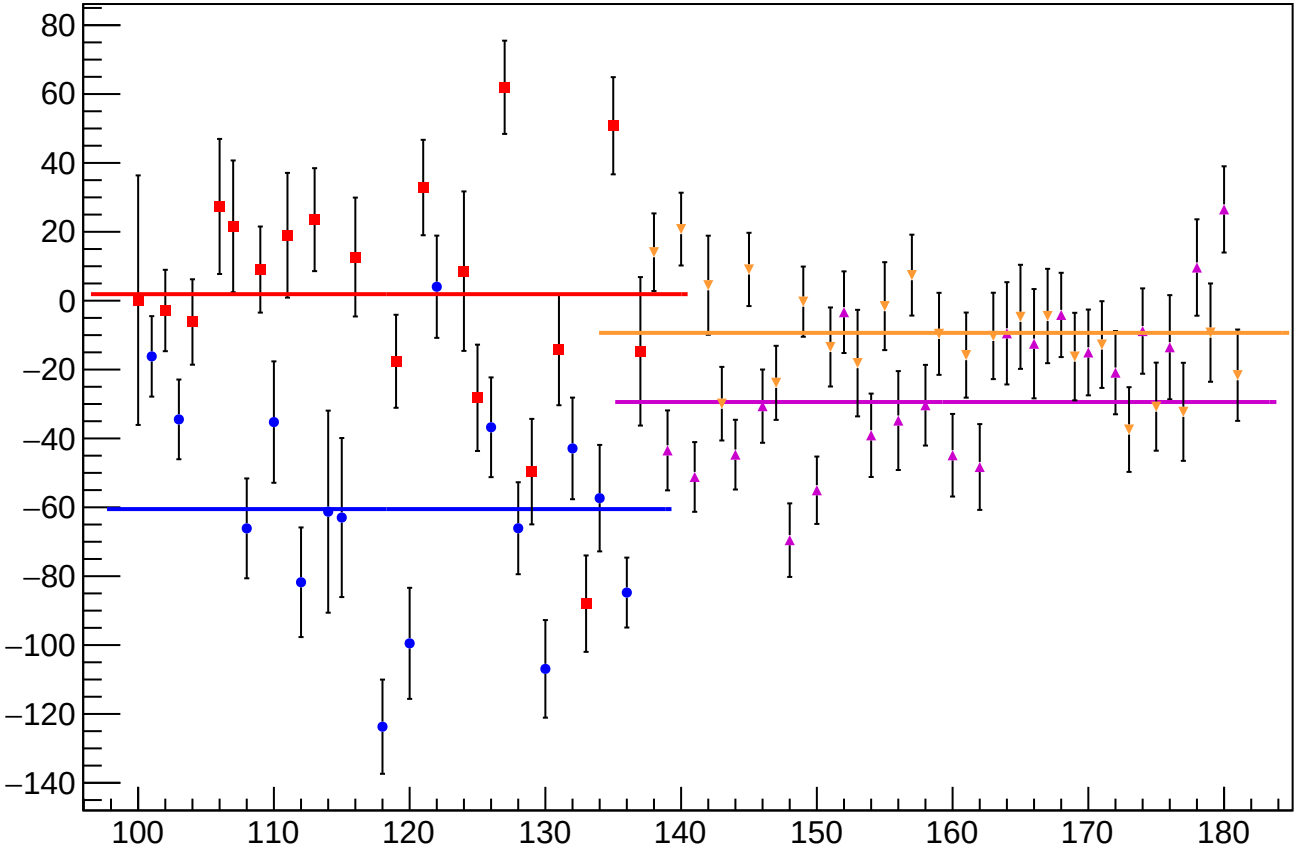
Left In: 2008.095+/-0.351 χ^2/NDF:1586970.8/20

+ sign 1745.623+/-0.253 χ^2/NDF: 3255688.2/38

All: 1748.567+/-0.180 χ^2/NDF: 6139022.8/78

- sign 1751.610+/-0.257 χ^2/NDF: 2883058.8/39

diff_bpm0l02X_mean vs Slug



Right In: -60.516+/-3.596 χ^2/NDF: 90.3/15

Left Out: -9.346+/-2.556 χ^2/NDF:37.9/22

Right Out: 1.894+/-3.543 χ^2/NDF: 103.8/18

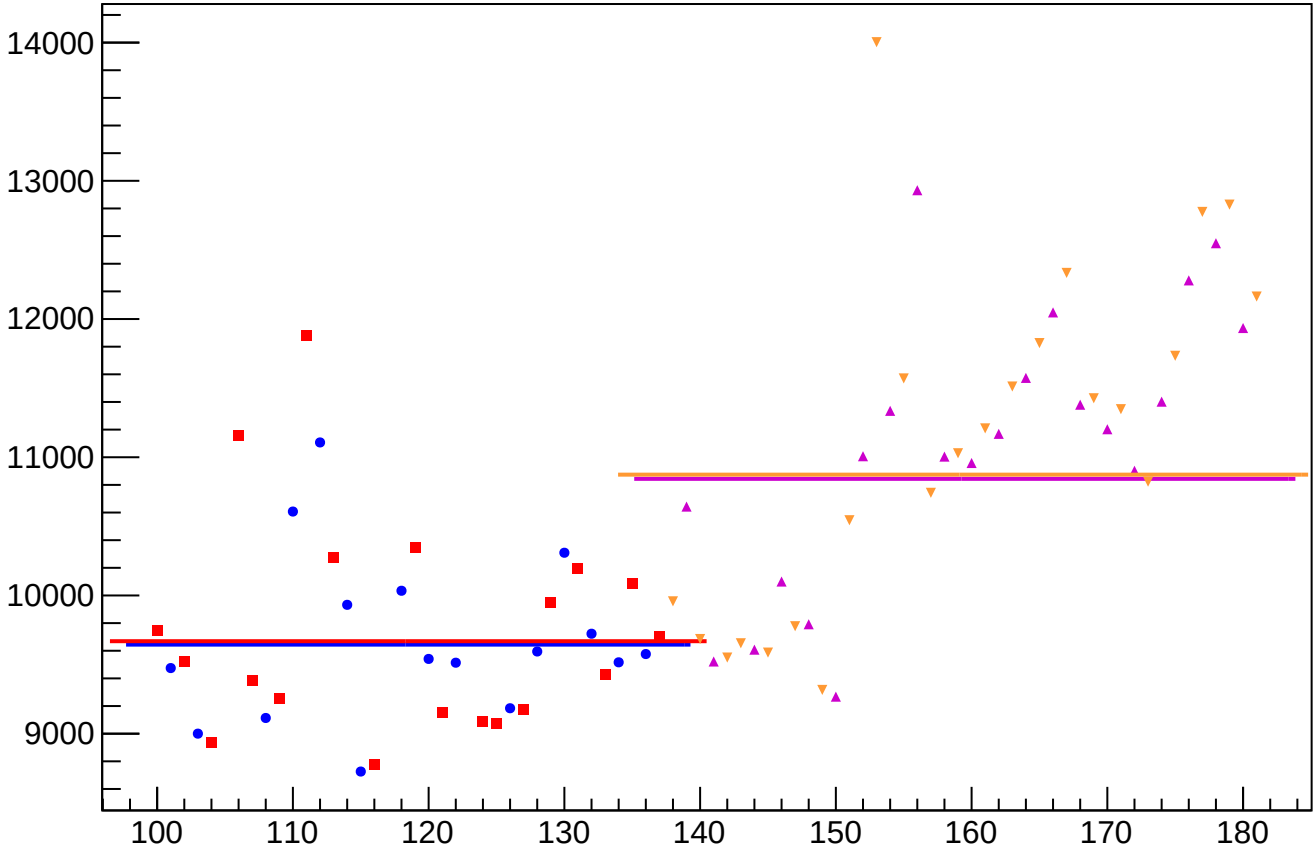
Left In: -29.426+/-2.623 χ^2/NDF:79.6/20

+ sign -26.516+/-2.083 χ^2/NDF: 262.7/38

All: -22.474+/-1.482 χ^2/NDF: 504.3/78

- sign -18.335+/-2.108 χ^2/NDF: 233.9/39

diff_bpm0l02X_rms vs Slug



Right In: 9644.396+/-2.543 χ^2/NDF: 44101.6/15

Left Out: 10874.150+/-1.807 χ^2/NDF:413411.4/22

Right Out: 9669.136+/-2.505 χ^2/NDF: 79878.1/18

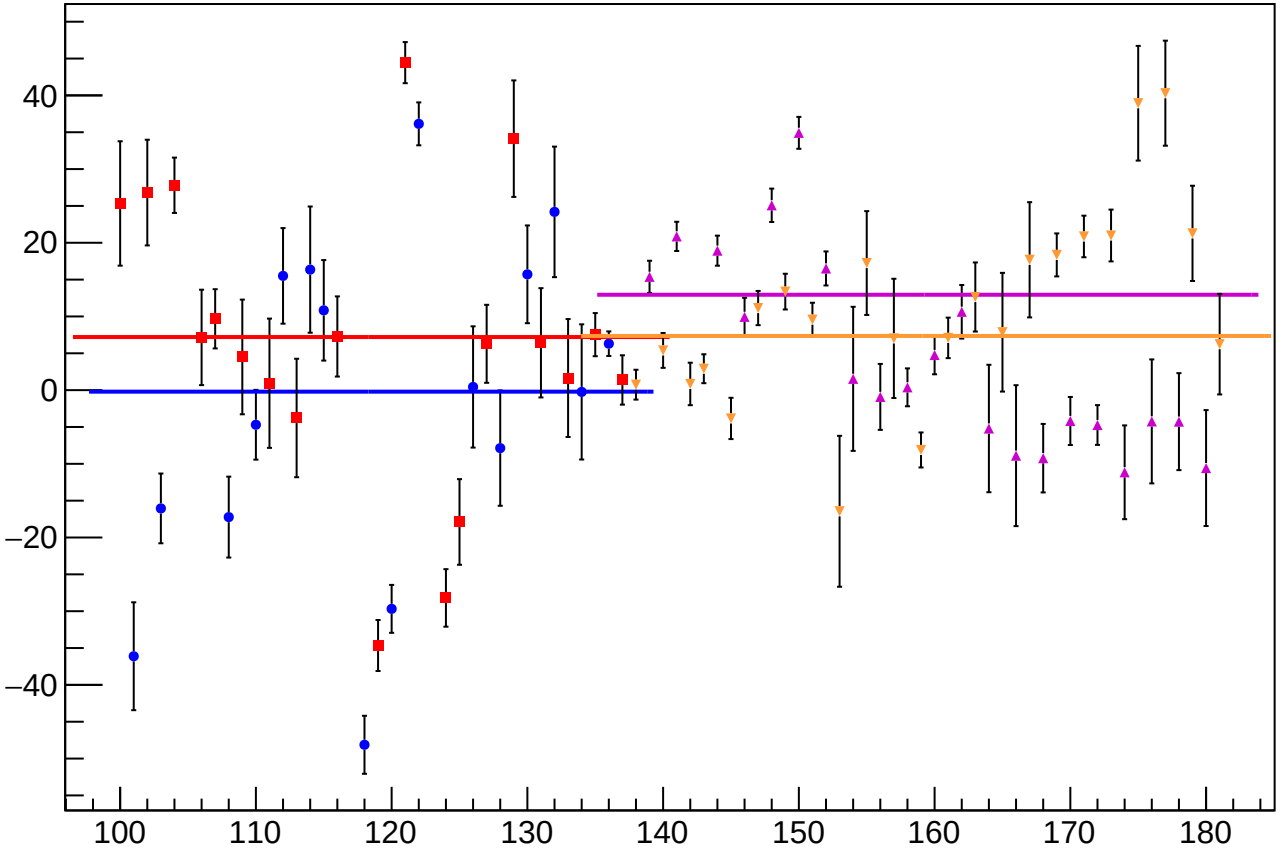
Left In: 10843.708+/-1.855 χ^2/NDF:282295.4/20

+ sign 10461.515+/-1.473 χ^2/NDF: 612906.5/38

All: 10444.832+/-1.048 χ^2/NDF: 1117319.2/7

- sign 10427.744+/-1.491 χ^2/NDF: 504153.1/39

diff_bpm0l02Y_mean vs Slug



Right In: -0.206+/-1.045 χ^2/NDF: 473.7/15

Left Out: 7.354+/-0.657 χ^2/NDF:194.8/22

Right Out: 7.206+/-1.074 χ^2/NDF: 485.6/18

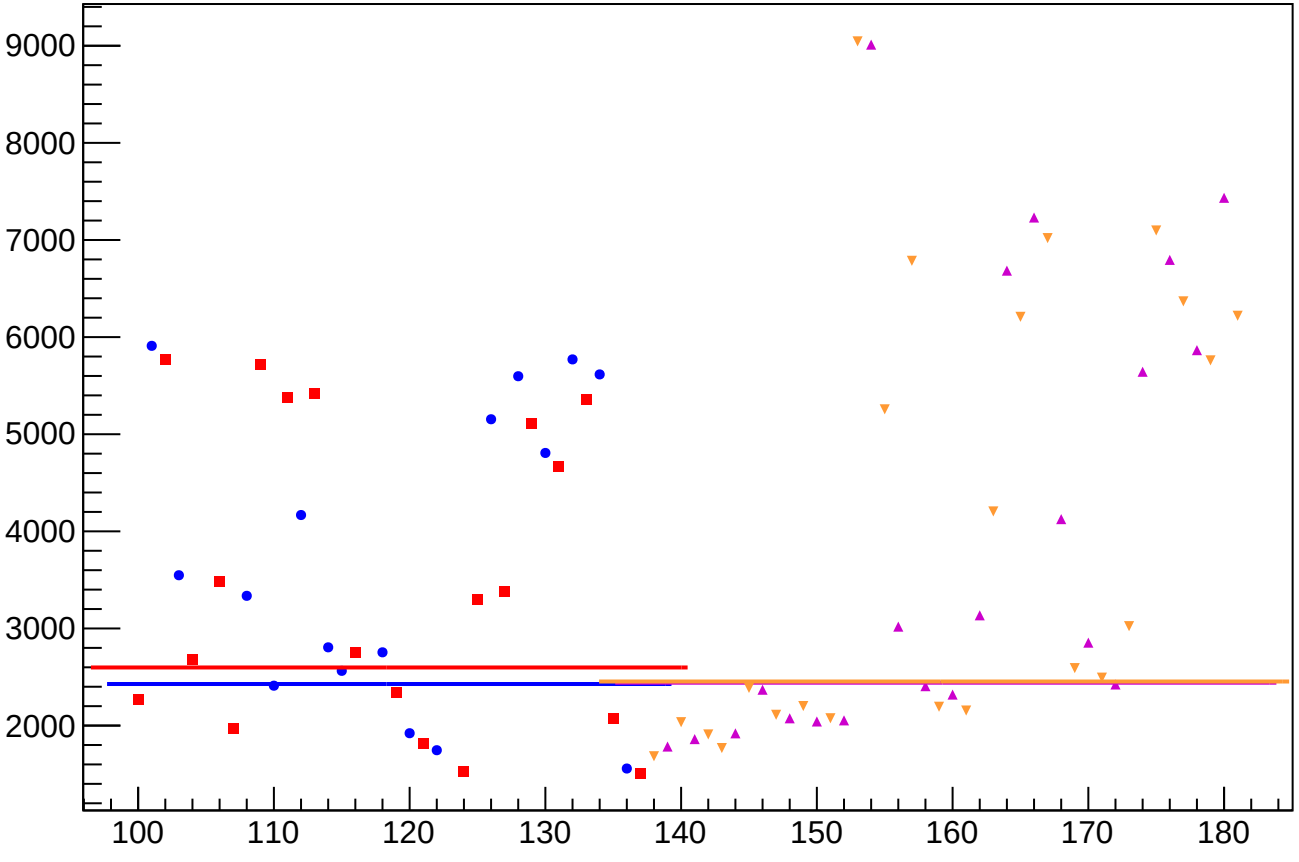
Left In: 12.945+/-0.665 χ^2/NDF:343.5/20

+ sign 5.212+/-0.556 χ^2/NDF: 706.0/38

All: 8.235+/-0.397 χ^2/NDF: 1615.7/78

- sign 11.354+/-0.565 χ^2/NDF: 849.8/39

diff_bpm0l02Y_rms vs Slug



Right In: 2428.080+/-0.739 χ^2/NDF: 2815335.2/15

Left Out: 2453.813+/-0.465 χ^2/NDF:6455228.0/22

Right Out: 2598.321+/-0.759 χ^2/NDF: 2514932.7/18

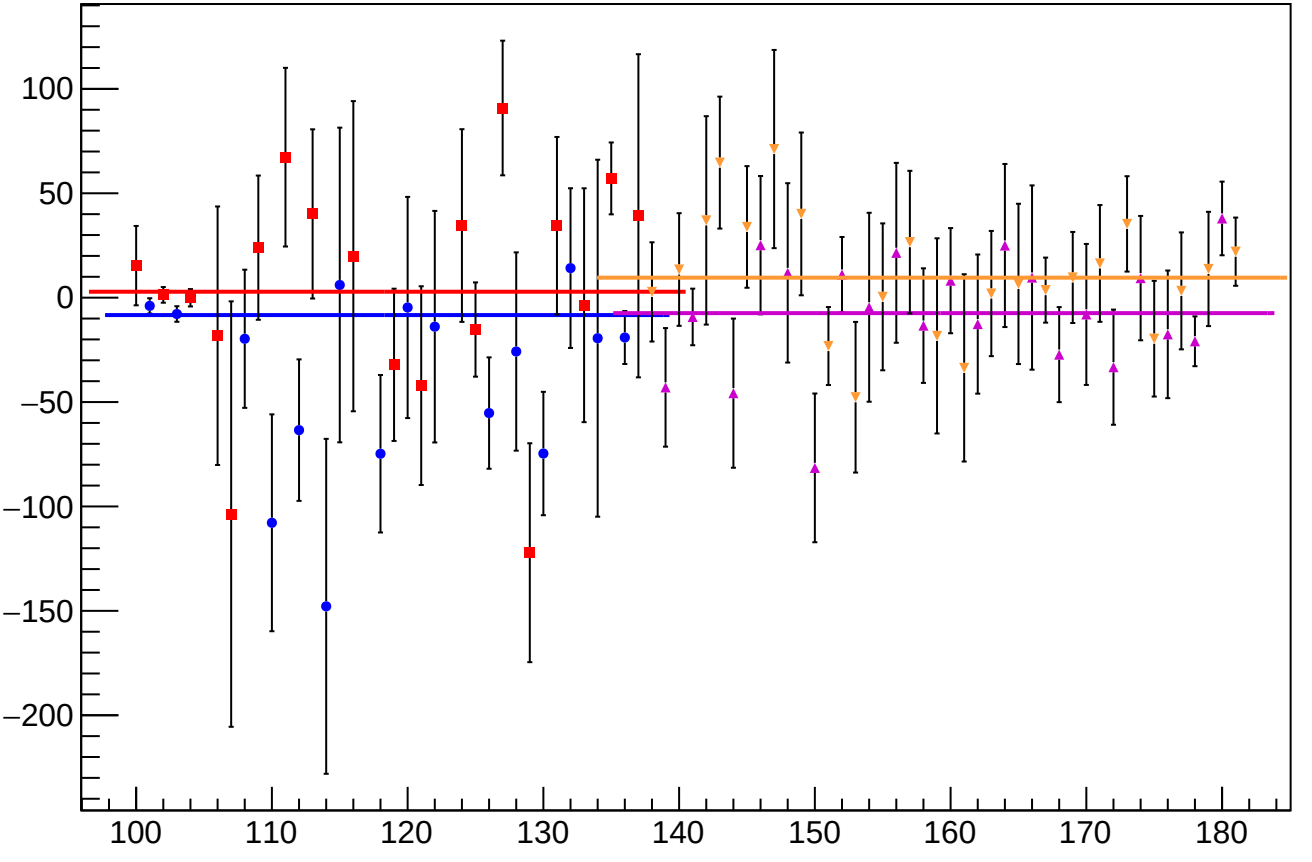
Left In: 2441.394+/-0.470 χ^2/NDF:5343400.9/20

+ sign 2446.520+/-0.394 χ^2/NDF: 9271431.7/38

All: 2465.405+/-0.280 χ^2/NDF: 17165331.0/7

- sign 2484.886+/-0.400 χ^2/NDF: 7889220.2/39

diff_bpm0l03X_mean vs Slug



Right In: -8.332+/-2.499 χ^2/NDF: 23.4/15

Left Out: 9.576+/-5.594 χ^2/NDF:17.0/22

Right Out: 2.848+/-2.640 χ^2/NDF: 32.6/18

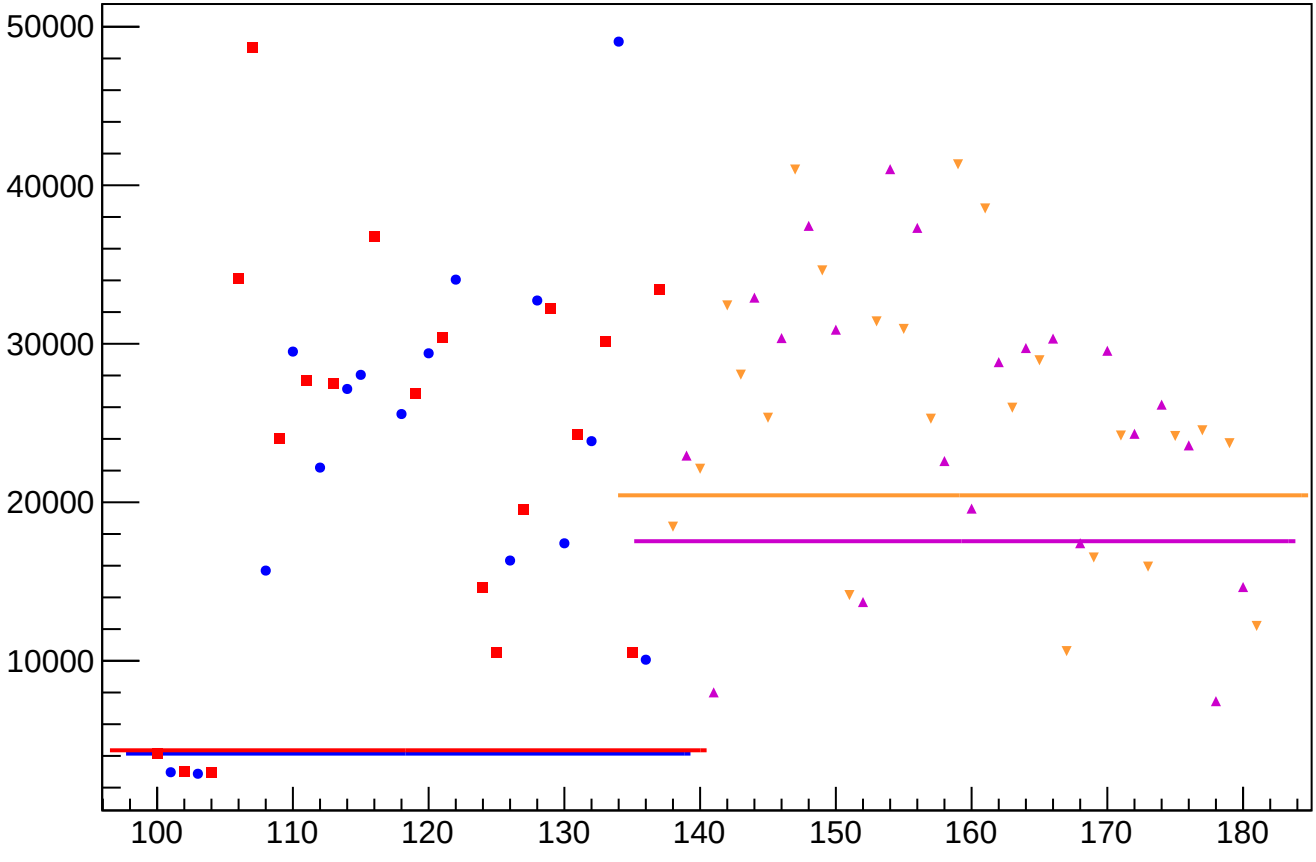
Left In: -7.407+/-5.318 χ^2/NDF:21.0/20

+ sign -5.353+/-2.282 χ^2/NDF: 48.9/38

All: -2.375+/-1.642 χ^2/NDF: 109.0/78

- sign 0.821+/-2.364 χ^2/NDF: 56.6/39

diff_bpm0l03X_rms vs Slug



Right In: 4145.795+/-1.767 χ^2/NDF: 6836950.5/15

Left Out: 20440.443+/-3.956 χ^2/NDF:4063310.7/22

Right Out: 4354.437+/-1.866 χ^2/NDF: 7624762.5/18

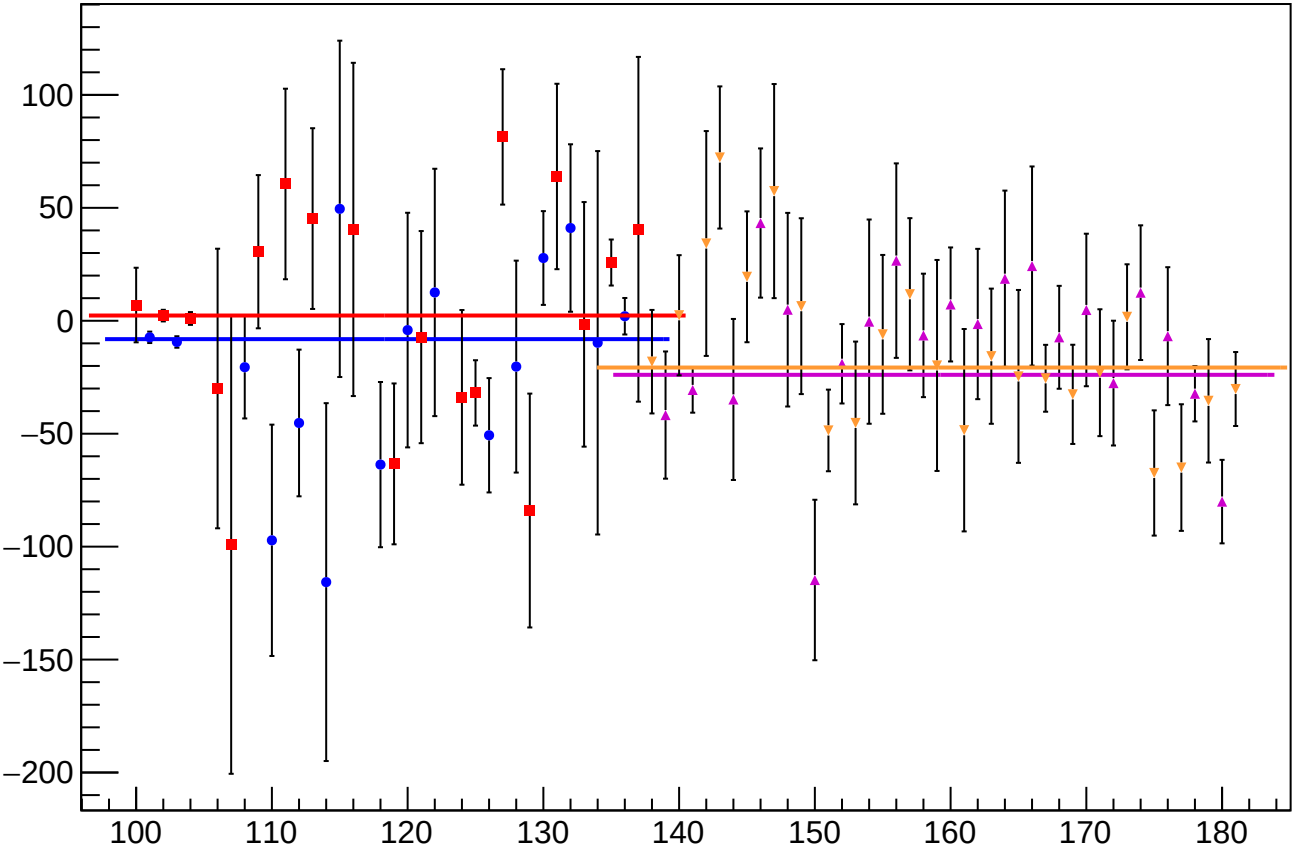
Left In: 17545.151+/-3.760 χ^2/NDF:6269459.4/20

+ sign 6857.096+/-1.614 χ^2/NDF: 25044863.8/38

All: 6907.693+/-1.161 χ^2/NDF: 48814599.9/7

- sign 6962.008+/-1.672 χ^2/NDF: 23767697.4/39

diff_bpm0l03Y_mean vs Slug



Right In: -8.132+/-1.720 χ^2/NDF: 19.1/15

Left Out: -20.702+/-5.530 χ^2/NDF:27.5/22

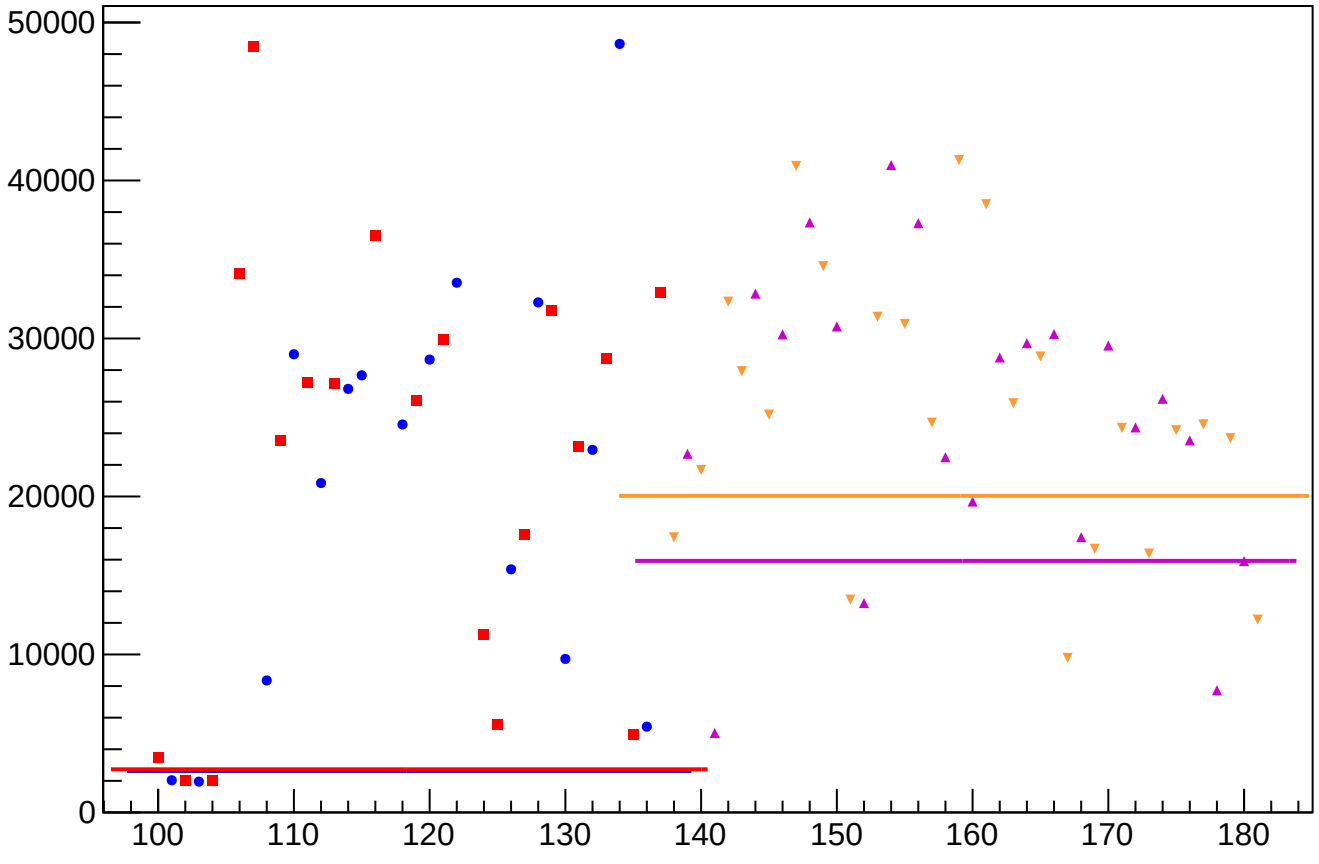
Right Out: 2.325+/-1.822 χ^2/NDF: 33.1/18

Left In: -23.931+/-5.044 χ^2/NDF:31.3/20

+ sign -9.242+/-1.643 χ^2/NDF: 51.3/38

All: -5.153+/-1.186 χ^2/NDF: 152.6/78

- sign -0.705+/-1.713 χ^2/NDF: 88.4/39



Right In: 2626.430+/-1.216 χ^2/NDF: 6780884.6/15

Left Out: 20041.180+/-3.910 χ^2/NDF:4332074.2/22

Right Out: 2730.235+/-1.288 χ^2/NDF: 7985984.4/18

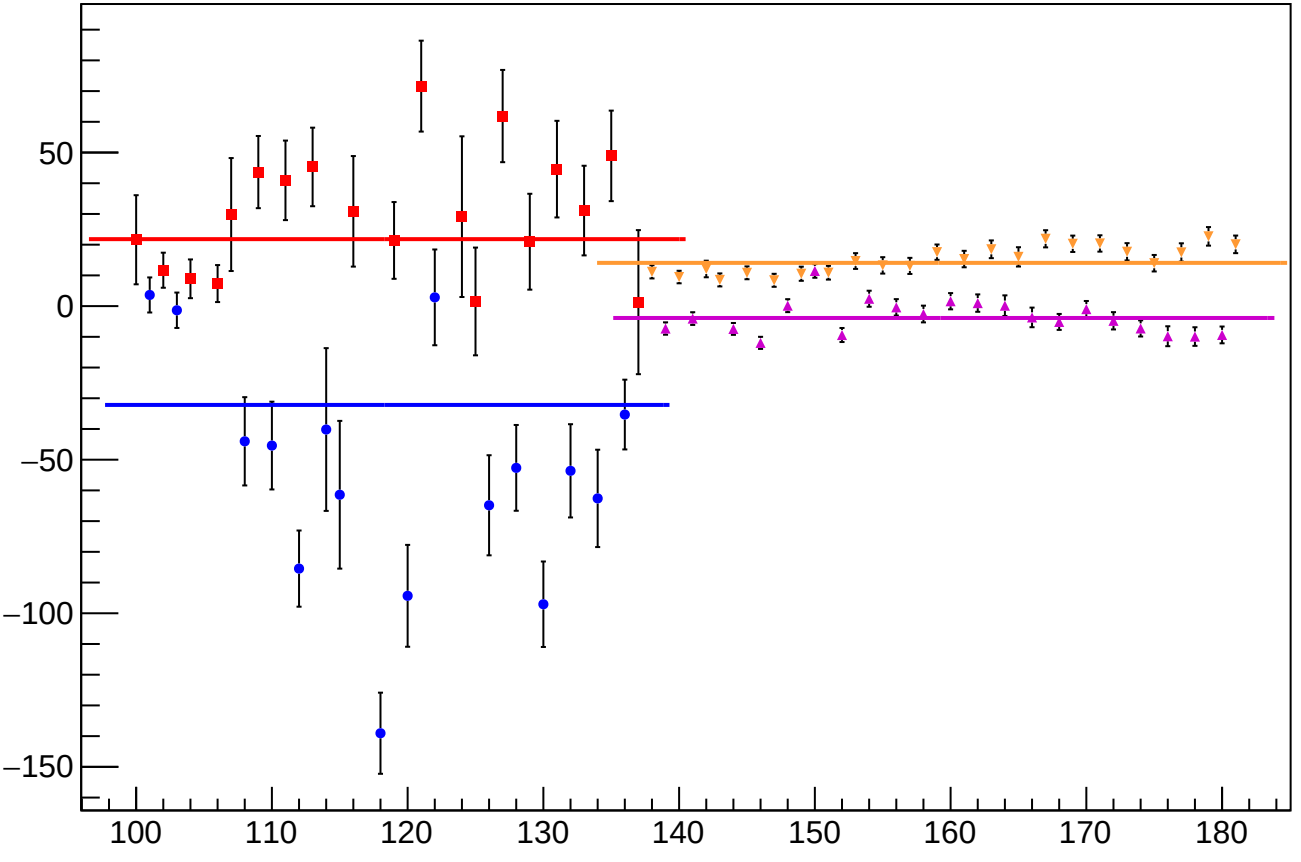
Left In: 15923.574+/-3.567 χ^2/NDF:7983424.1/20

+ sign 4163.186+/-1.162 χ^2/NDF: 29197113.7/38

All: 4206.013+/-0.838 χ^2/NDF: 57274489.1/7

- sign 4252.601+/-1.212 χ^2/NDF: 28074537.3/39

diff_bpm0l04X_mean vs Slug



Right In: -32.171+/-2.842 χ^2/NDF: 207.8/15

Left Out: 14.078+/-0.525 χ^2/NDF:68.0/22

Right Out: 21.801+/-2.557 χ^2/NDF: 49.1/18

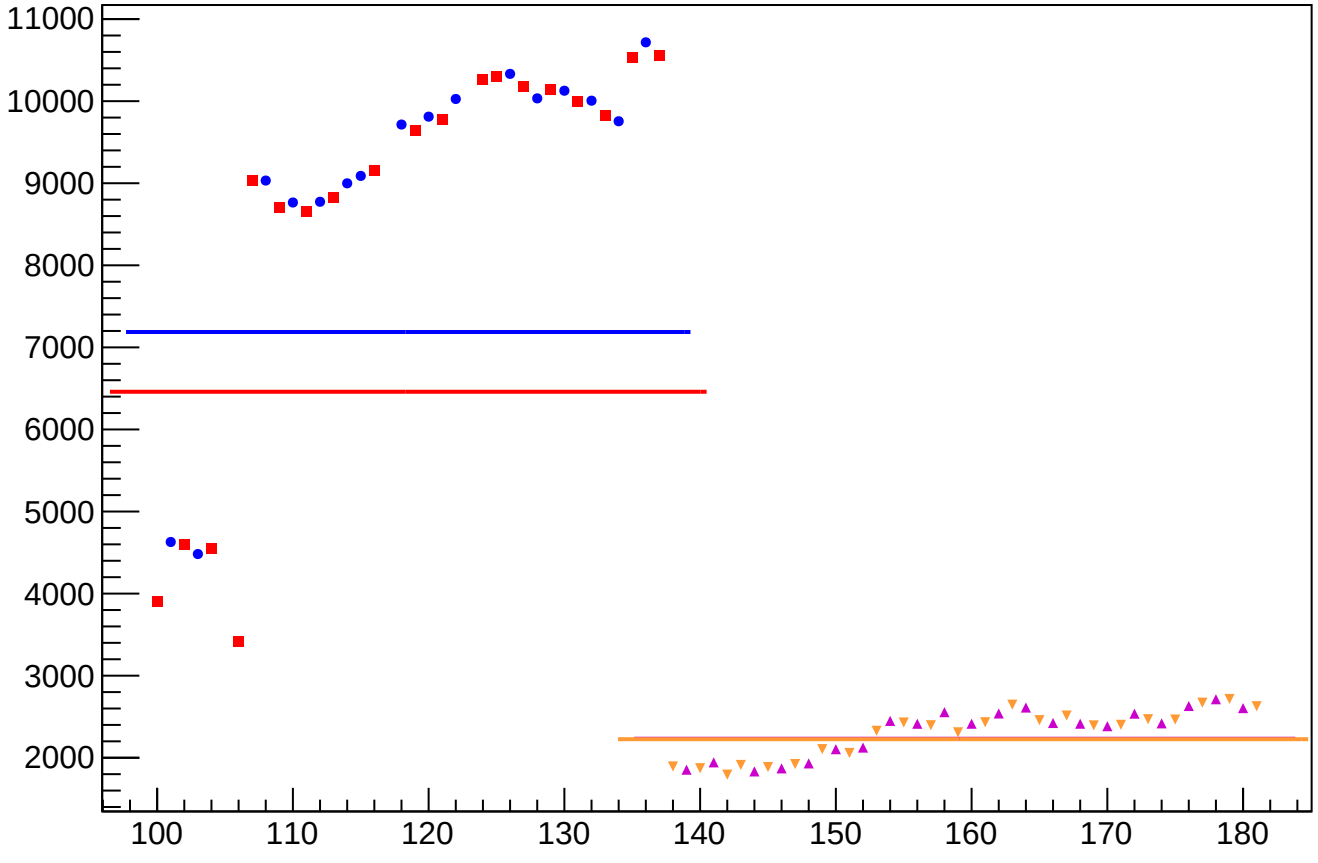
Left In: -3.863+/-0.542 χ^2/NDF:111.2/20

+ sign 12.554+/-0.516 χ^2/NDF: 531.9/38

All: 5.113+/-0.370 χ^2/NDF: 1216.7/78

- sign -2.758+/-0.531 χ^2/NDF: 256.6/39

diff_bpm0l04X_rms vs Slug



Right In: 7187.494+/-2.009 χ^2/NDF: 1705887.0/15

Left Out: 2225.985+/-0.371 χ^2/NDF:609083.9/22

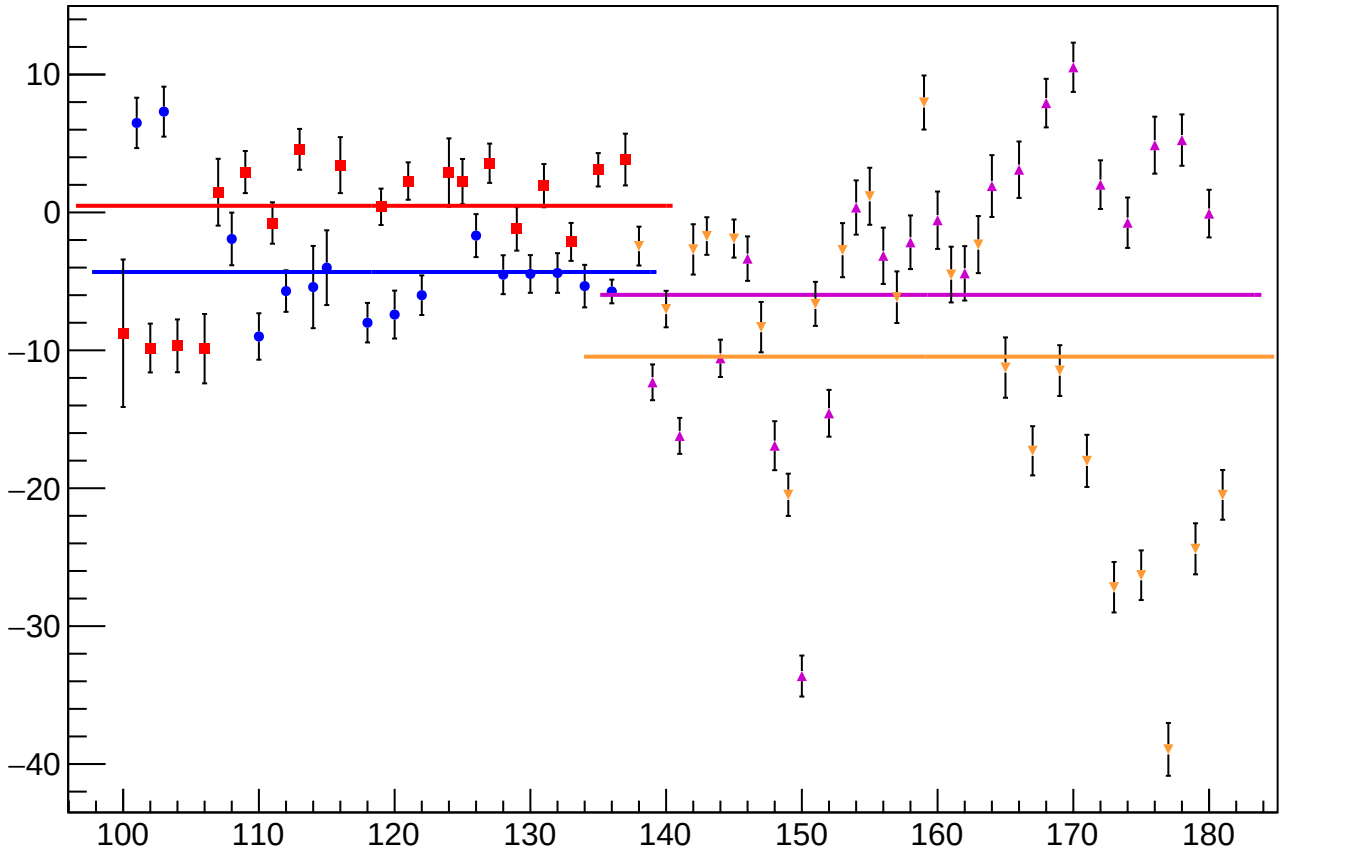
Right Out: 6459.323+/-1.808 χ^2/NDF: 2276337.9/18

Left In: 2231.620+/-0.384 χ^2/NDF:598383.3/20

+ sign 2389.465+/-0.365 χ^2/NDF: 8210492.9/38

All: 2401.191+/-0.262 χ^2/NDF: 16318022.7/7

- sign 2413.596+/-0.375 χ^2/NDF: 8105403.0/39



Right In: -4.319+/-0.380 χ^2/NDF: 103.7/15

Left Out: -10.459+/-0.362 χ^2/NDF:852.4/22

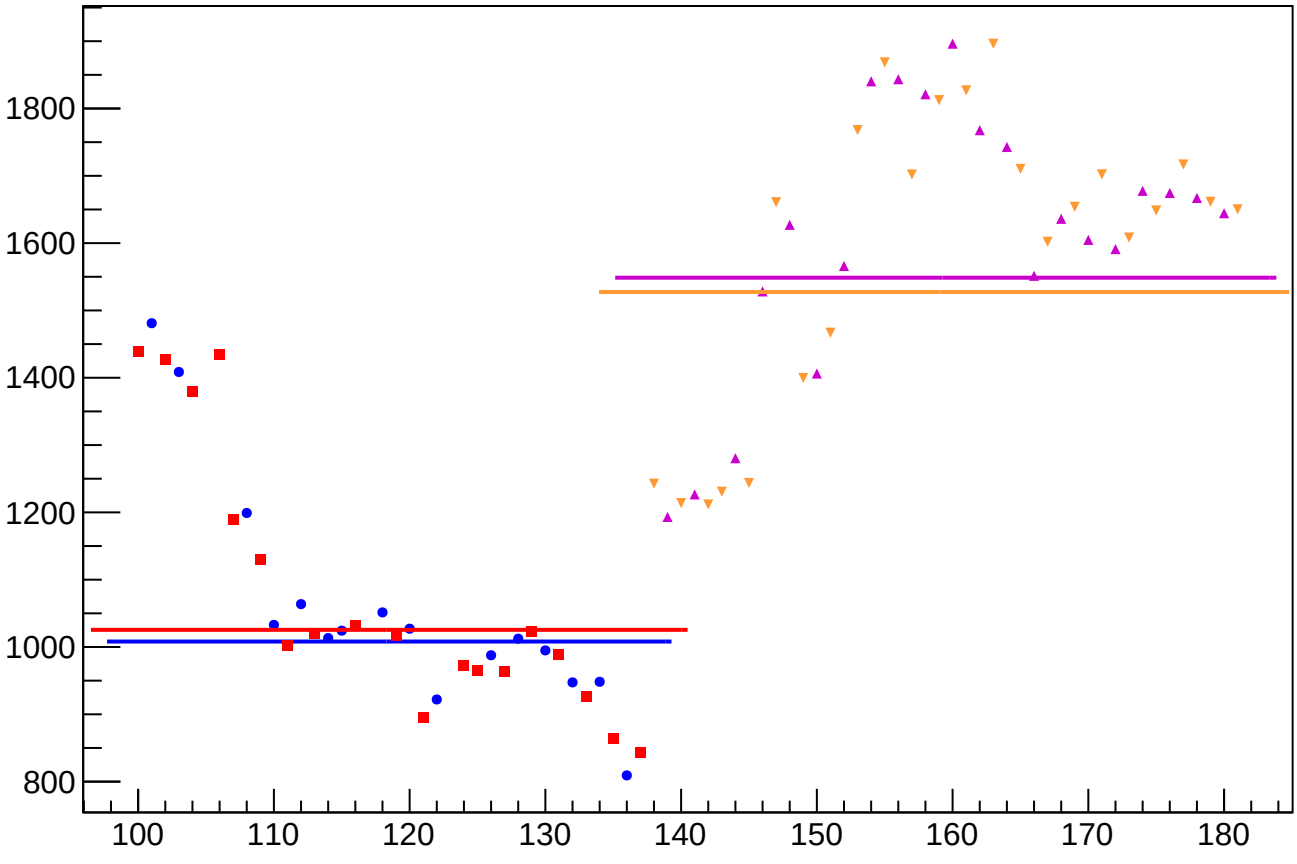
Right Out: 0.481+/-0.379 χ^2/NDF: 117.2/18

Left In: -5.978+/-0.377 χ^2/NDF:817.0/20

\+ sign -7.540+/-0.262 χ^2/NDF: 1093.3/38

All: -5.199+/-0.187 χ^2/NDF: 2336.6/78

\- sign -2.762+/-0.267 χ^2/NDF: 1080.2/39



Right In: 1008.116+/-0.269 χ^2/NDF: 378836.2/15

Left Out: 1527.410+/-0.256 χ^2/NDF:808472.0/22

Right Out: 1025.486+/-0.268 χ^2/NDF: 345991.2/18

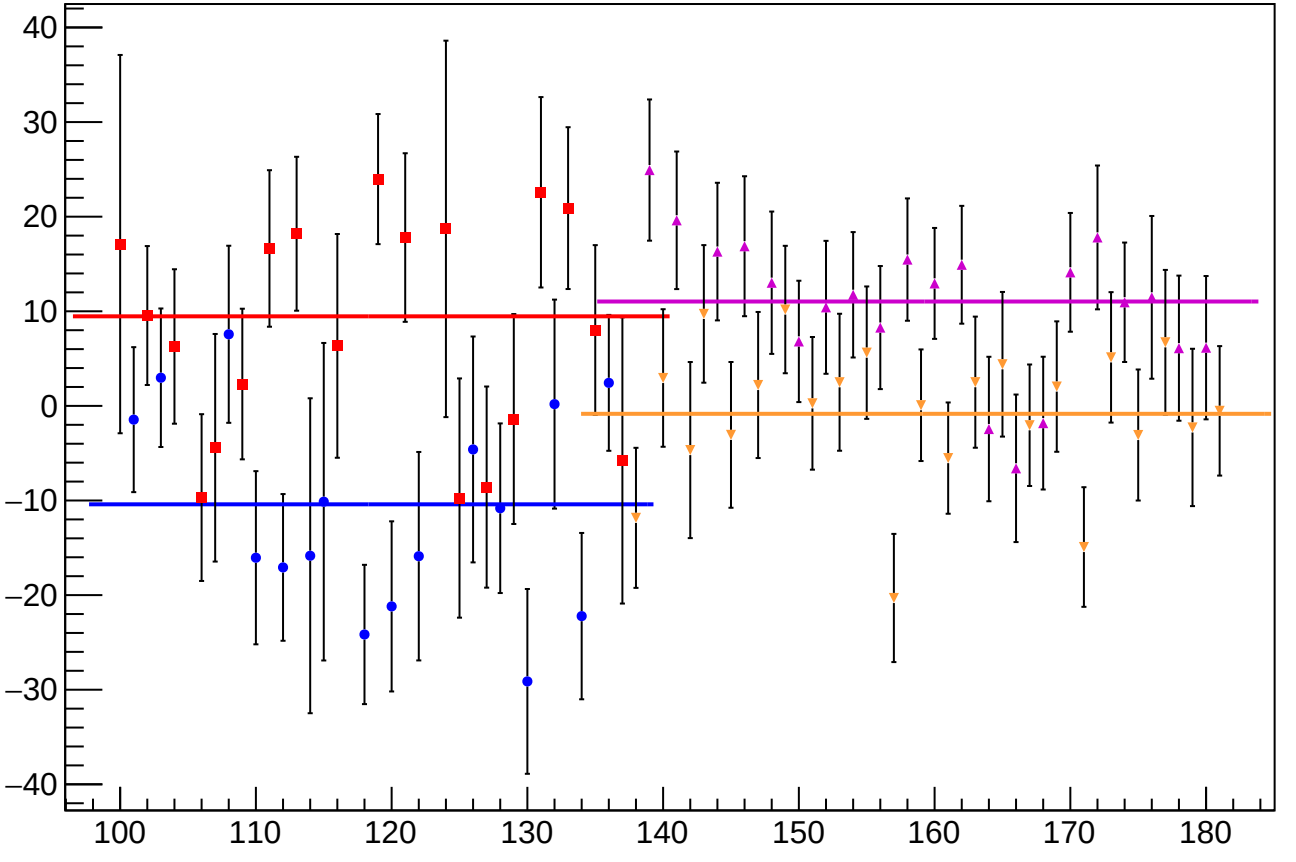
Left In: 1548.652+/-0.267 χ^2/NDF:633583.3/20

+ sign 1280.508+/-0.185 χ^2/NDF: 3149127.9/38

All: 1284.257+/-0.132 χ^2/NDF: 6046433.2/78

- sign 1288.161+/-0.189 χ^2/NDF: 2896468.2/39

diff_bpm0l05X_mean vs Slug



Right In: -10.404+/-2.280 χ^2/NDF: 24.6/15

Left Out: -0.838+/-1.465 χ^2/NDF:25.4/22

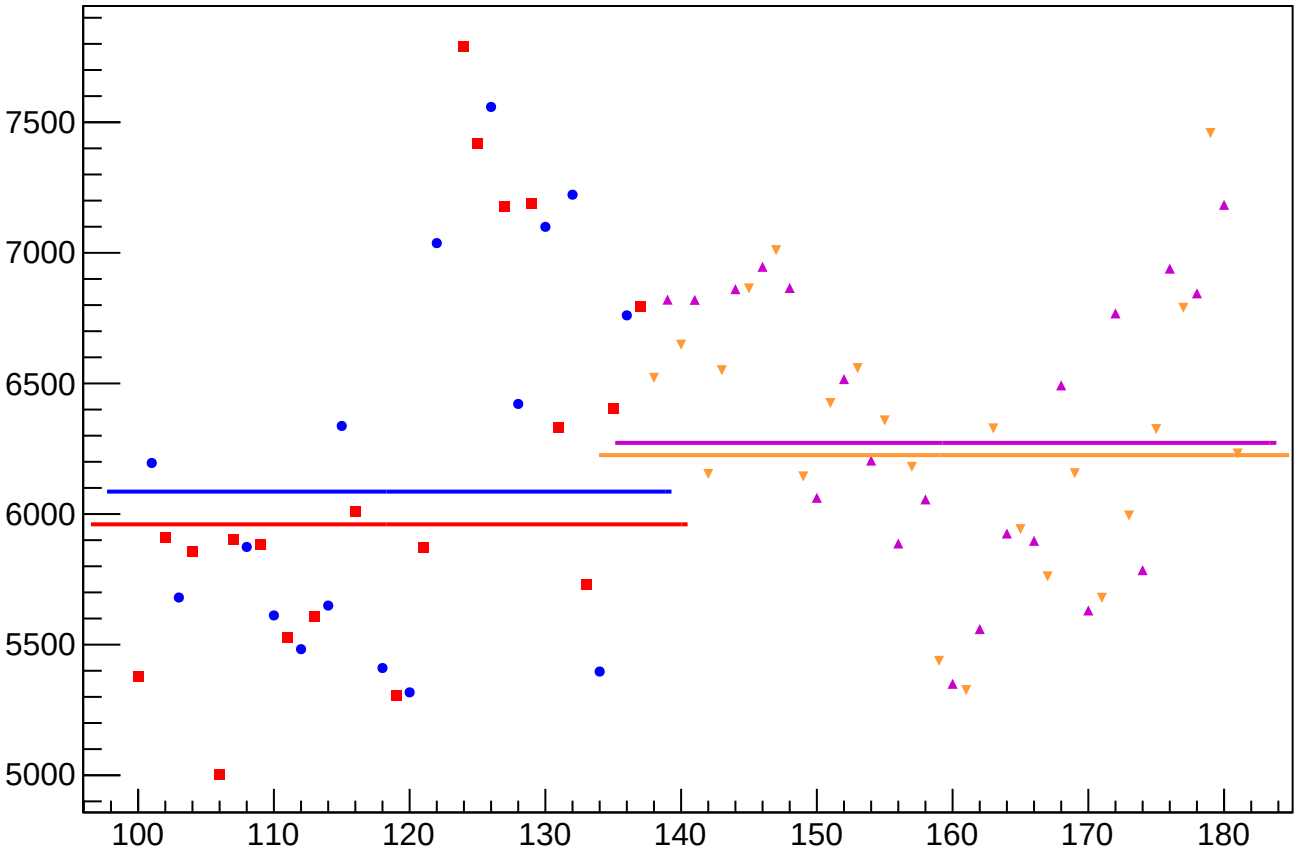
Right Out: 9.467+/-2.191 χ^2/NDF: 25.4/18

Left In: 11.032+/-1.523 χ^2/NDF:21.1/20

+ sign -3.634+/-1.233 χ^2/NDF: 62.5/38

All: 3.343+/-0.878 χ^2/NDF: 174.3/78

- sign 10.522+/-1.251 χ^2/NDF: 46.8/39



Right In: 6085.873+/-1.612 χ^2/NDF: 179118.8/15

Left Out: 6225.573+/-1.036 χ^2/NDF:224150.0/22

Right Out: 5960.613+/-1.549 χ^2/NDF: 162772.6/18

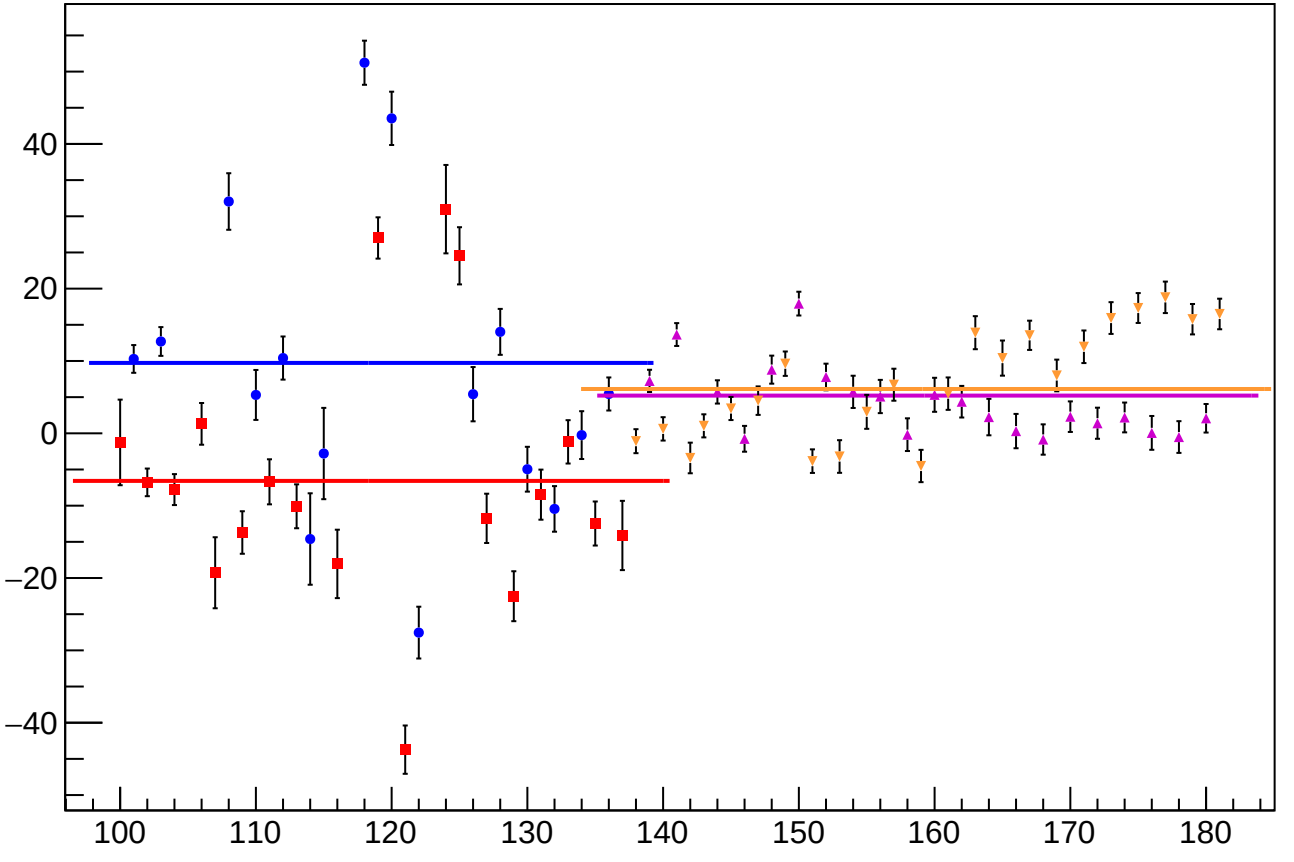
Left In: 6272.521+/-1.077 χ^2/NDF:258175.8/20

+ sign 6184.732+/-0.872 χ^2/NDF: 408582.1/38

All: 6177.916+/-0.621 χ^2/NDF: 856983.9/78

- sign 6170.903+/-0.884 χ^2/NDF: 448277.7/39

diff_bpm0l05Y_mean vs Slug



Right In: 9.733+/-0.755 χ^2/NDF: 512.4/15

Left Out: 6.128+/-0.414 χ^2/NDF:312.1/22

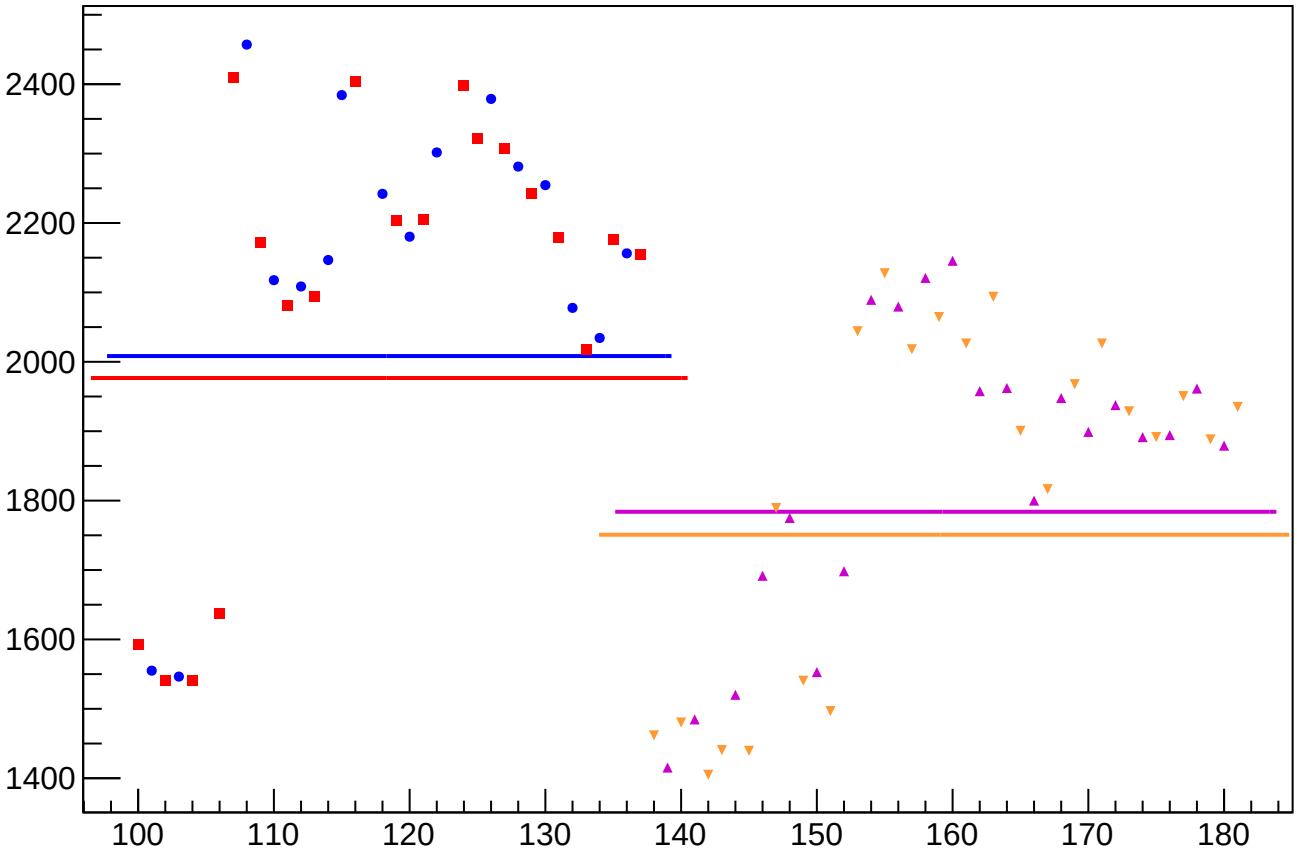
Right Out: -6.576+/-0.730 χ^2/NDF: 423.8/18

Left In: 5.215+/-0.434 χ^2/NDF:148.2/20

\+ sign 6.961+/-0.363 χ^2/NDF: 842.1/38

All: 4.617+/-0.260 χ^2/NDF: 1692.5/78

\- sign 2.142+/-0.373 χ^2/NDF: 764.7/39



Right In: 2008.296+/-0.534 χ^2/NDF: 344387.2/15

Left Out: 1750.844+/-0.293 χ^2/NDF:753979.9/22

Right Out: 1976.677+/-0.516 χ^2/NDF: 365375.1/18

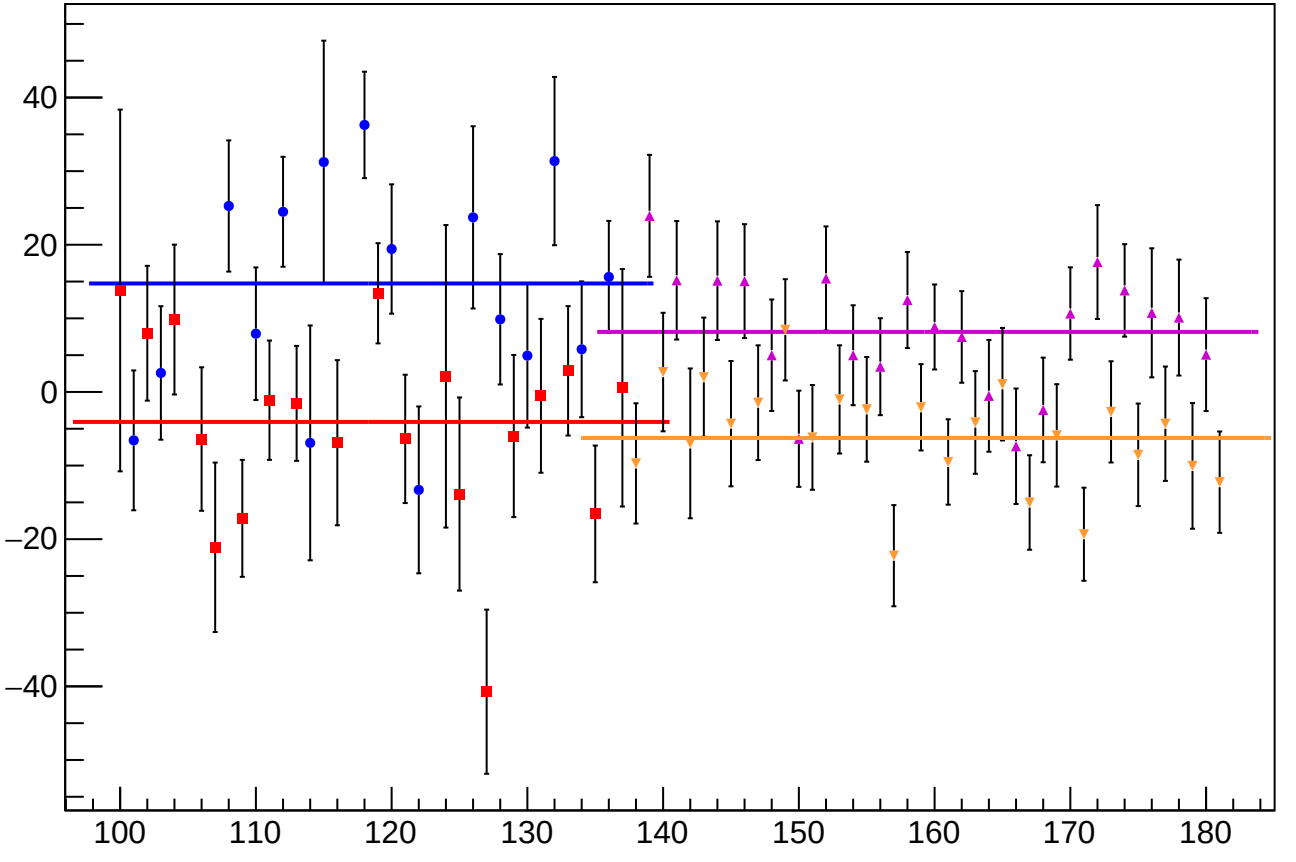
Left In: 1783.925+/-0.307 χ^2/NDF:530667.5/20

+ sign 1810.338+/-0.257 χ^2/NDF: 1277218.7/38

All: 1821.929+/-0.184 χ^2/NDF: 2280455.9/78

- sign 1834.166+/-0.264 χ^2/NDF: 999042.6/39

diff_bpm0l06X_mean vs Slug



Right In: 14.739+/-2.358 χ^2/NDF: 33.5/15

Left Out: -6.251+/-1.498 χ^2/NDF:23.0/22

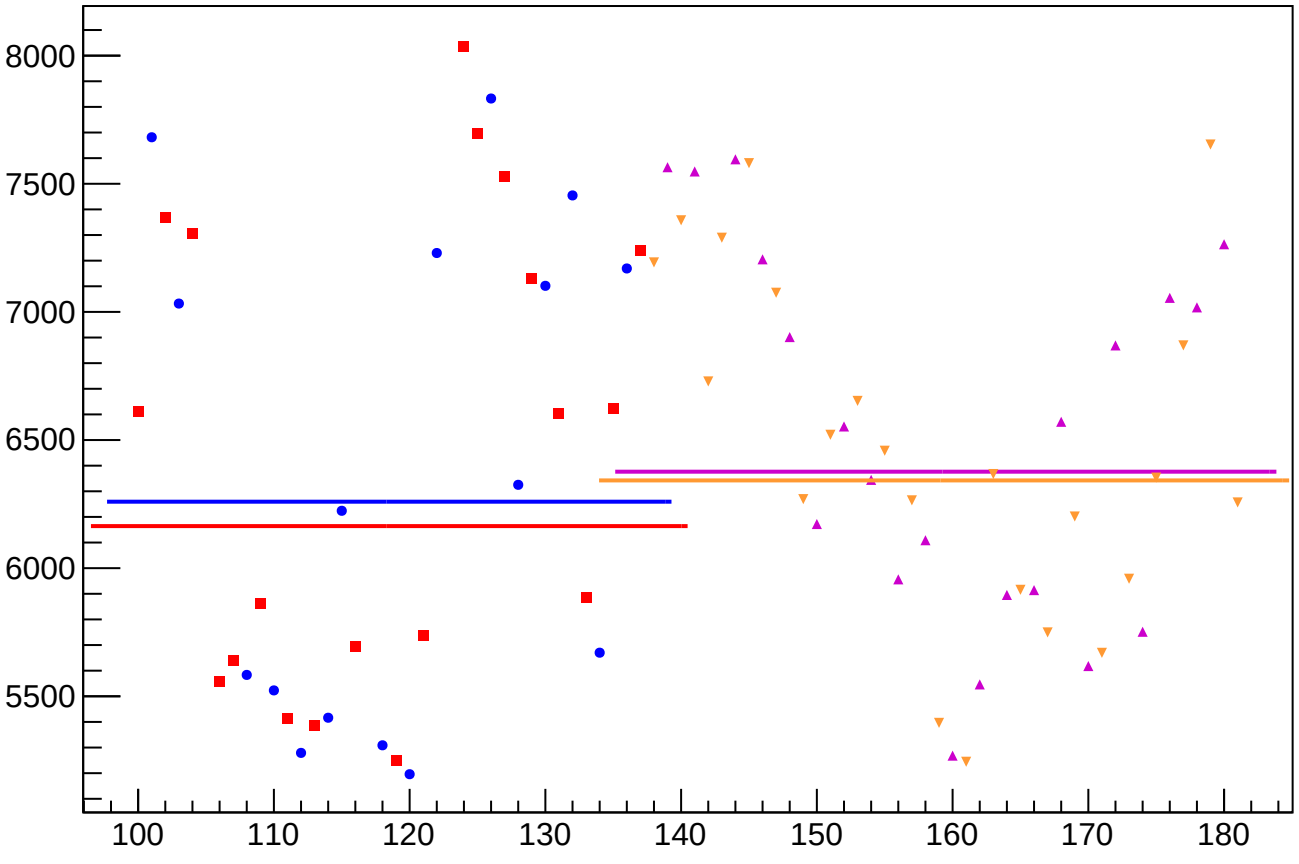
Right Out: -4.072+/-2.274 χ^2/NDF: 30.2/18

Left In: 8.161+/-1.554 χ^2/NDF:23.5/20

+ sign -0.212+/-1.265 χ^2/NDF: 113.0/38

All: 1.994+/-0.901 χ^2/NDF: 192.6/78

- sign 4.265+/-1.283 χ^2/NDF: 73.4/39



Right In: 6259.416+/-1.667 χ^2/NDF: 308606.8/15

Left Out: 6342.430+/-1.059 χ^2/NDF:382951.2/22

Right Out: 6164.140+/-1.608 χ^2/NDF: 265058.6/18

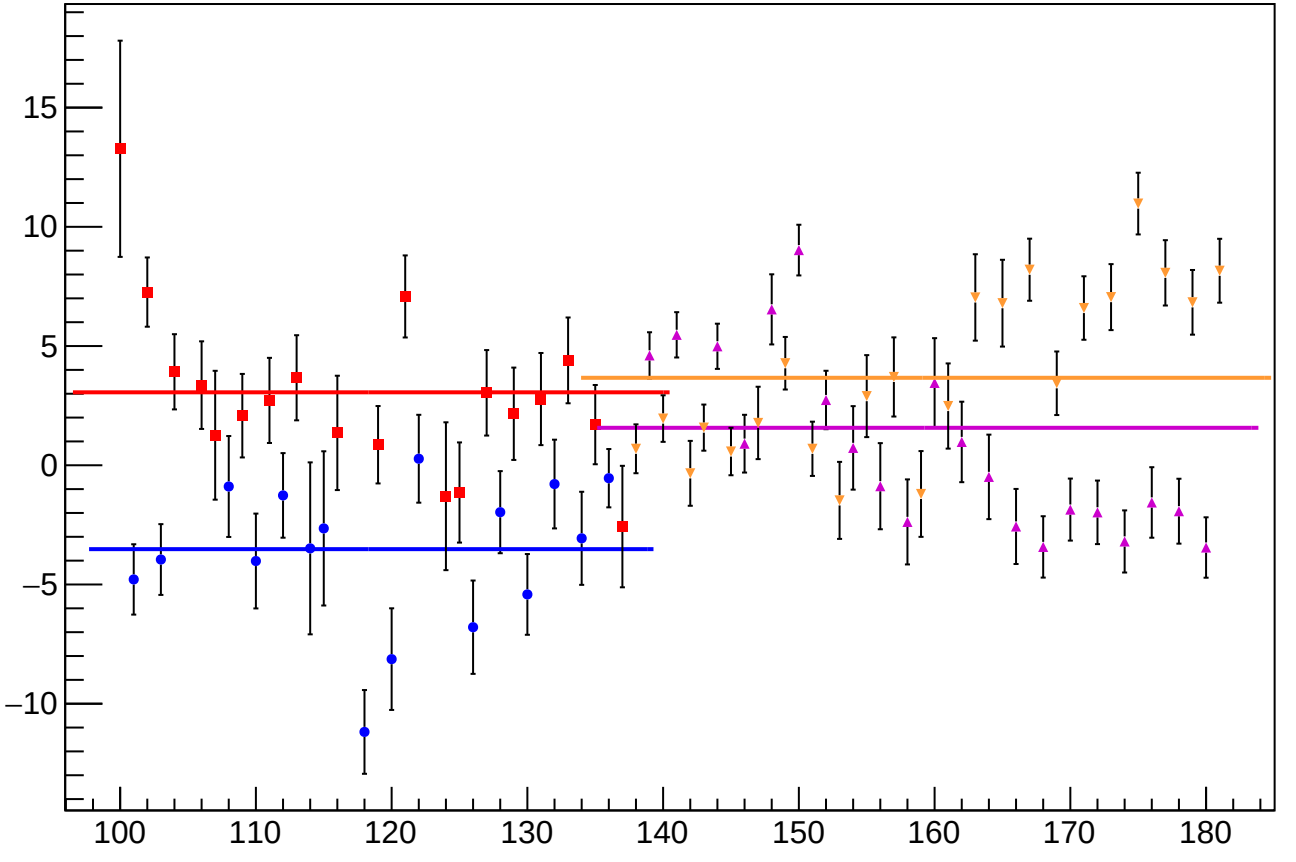
Left In: 6376.495+/-1.099 χ^2/NDF:411294.8/20

+ sign 6318.548+/-0.894 χ^2/NDF: 693324.2/38

All: 6313.777+/-0.637 χ^2/NDF: 1381624.5/78

- sign 6308.865+/-0.907 χ^2/NDF: 688242.5/39

diff_bpm0l06Y_mean vs Slug



Right In: -3.518+/-0.452 χ^2/NDF: 45.1/15

Left Out: 3.669+/-0.273 χ^2/NDF:149.6/22

Right Out: 3.059+/-0.438 χ^2/NDF: 34.8/18

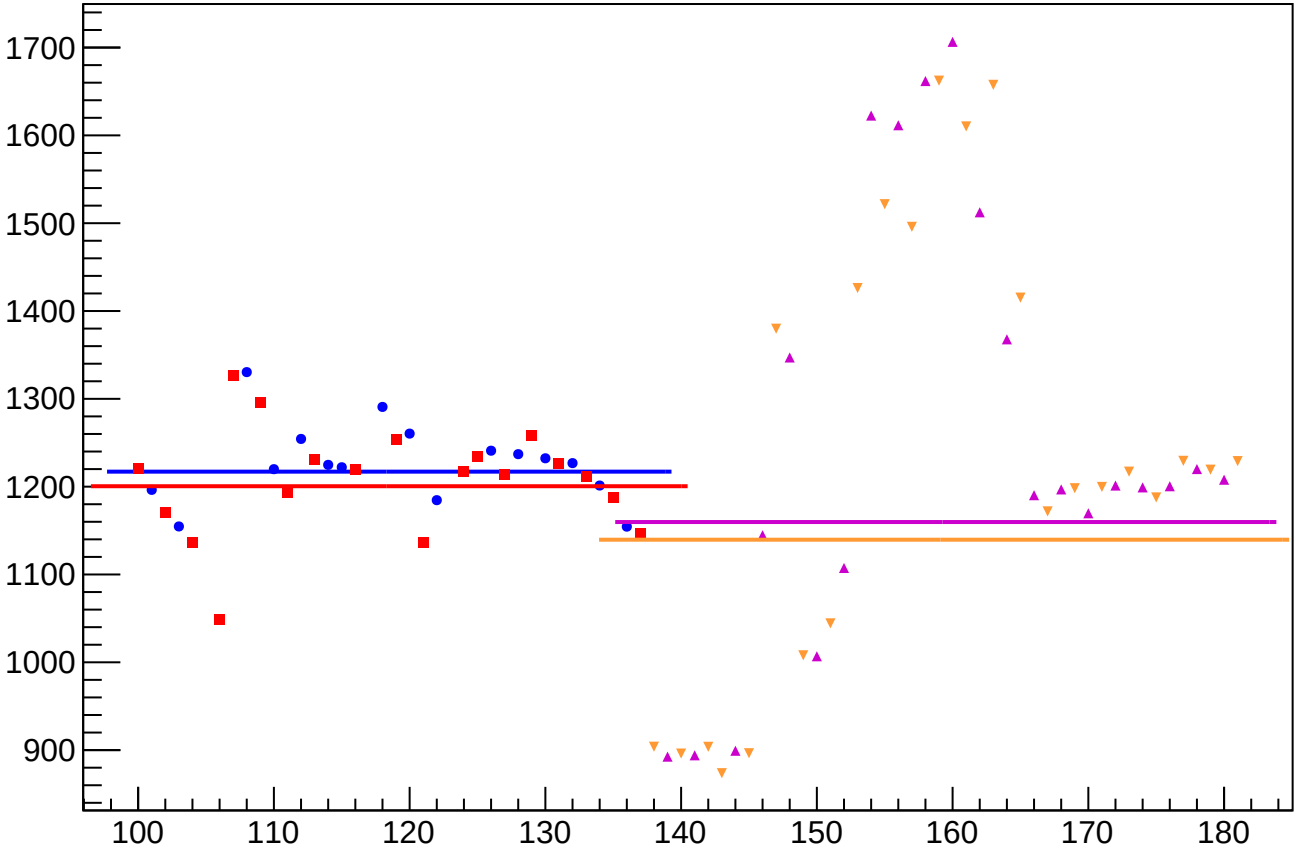
Left In: 1.571+/-0.286 χ^2/NDF:187.0/20

+ sign 1.752+/-0.234 χ^2/NDF: 379.7/38

All: 1.880+/-0.167 χ^2/NDF: 610.2/78

- sign 2.015+/-0.239 χ^2/NDF: 229.9/39

diff_bpm0l06Y_rms vs Slug



Right In: 1217.094+/-0.320 χ^2/NDF: 21686.7/15

Left Out: 1139.603+/-0.193 χ^2/NDF:1467017.6/22

Right Out: 1200.497+/-0.310 χ^2/NDF: 37654.3/18

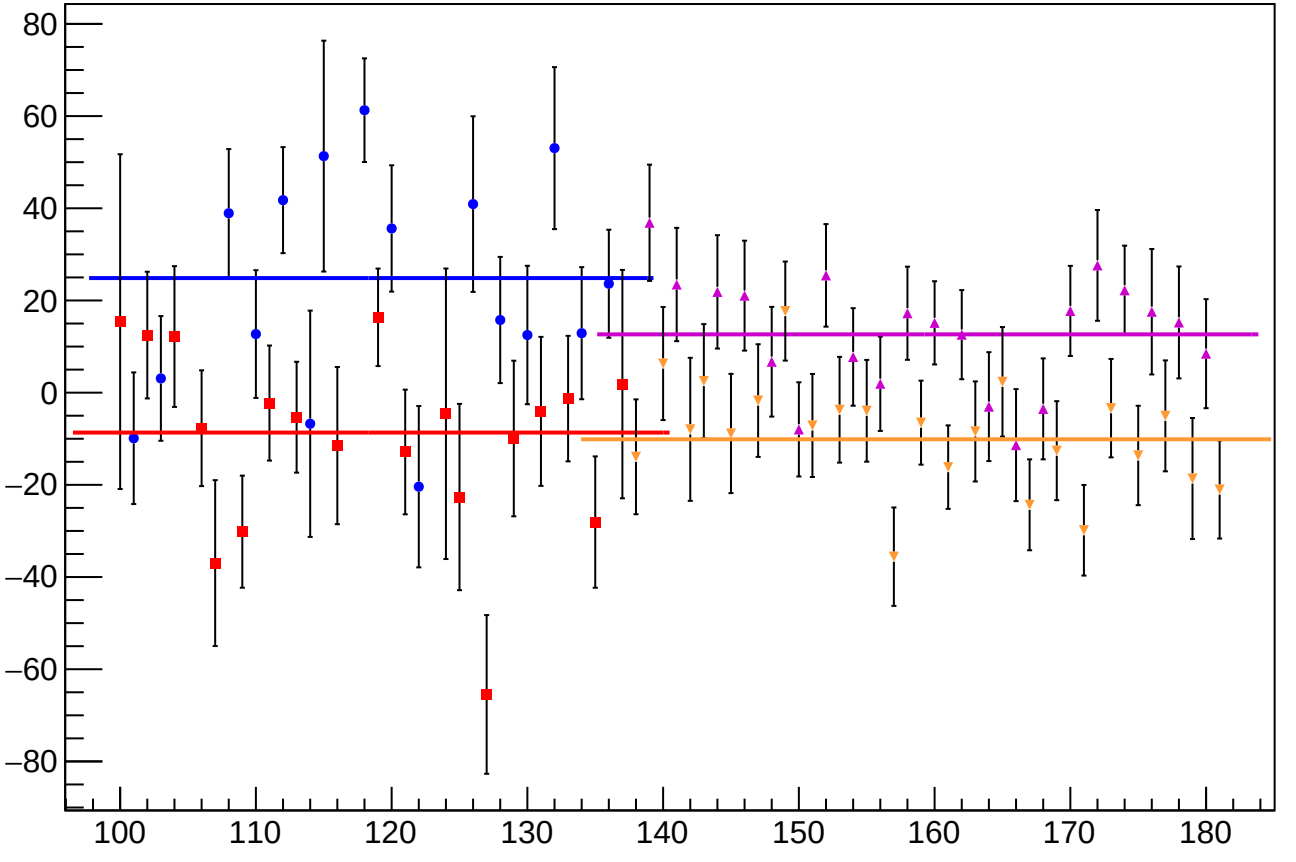
Left In: 1159.722+/-0.202 χ^2/NDF:1259501.7/20

+ sign 1160.271+/-0.165 χ^2/NDF: 1531731.6/38

All: 1165.935+/-0.118 χ^2/NDF: 2843442.3/78

- sign 1171.880+/-0.169 χ^2/NDF: 1309301.5/39

diff_bpm0l07X_mean vs Slug



Right In: 24.860+/-3.628 χ^2/NDF: 38.1/15

Left Out: -10.113+/-2.320 χ^2/NDF:26.6/22

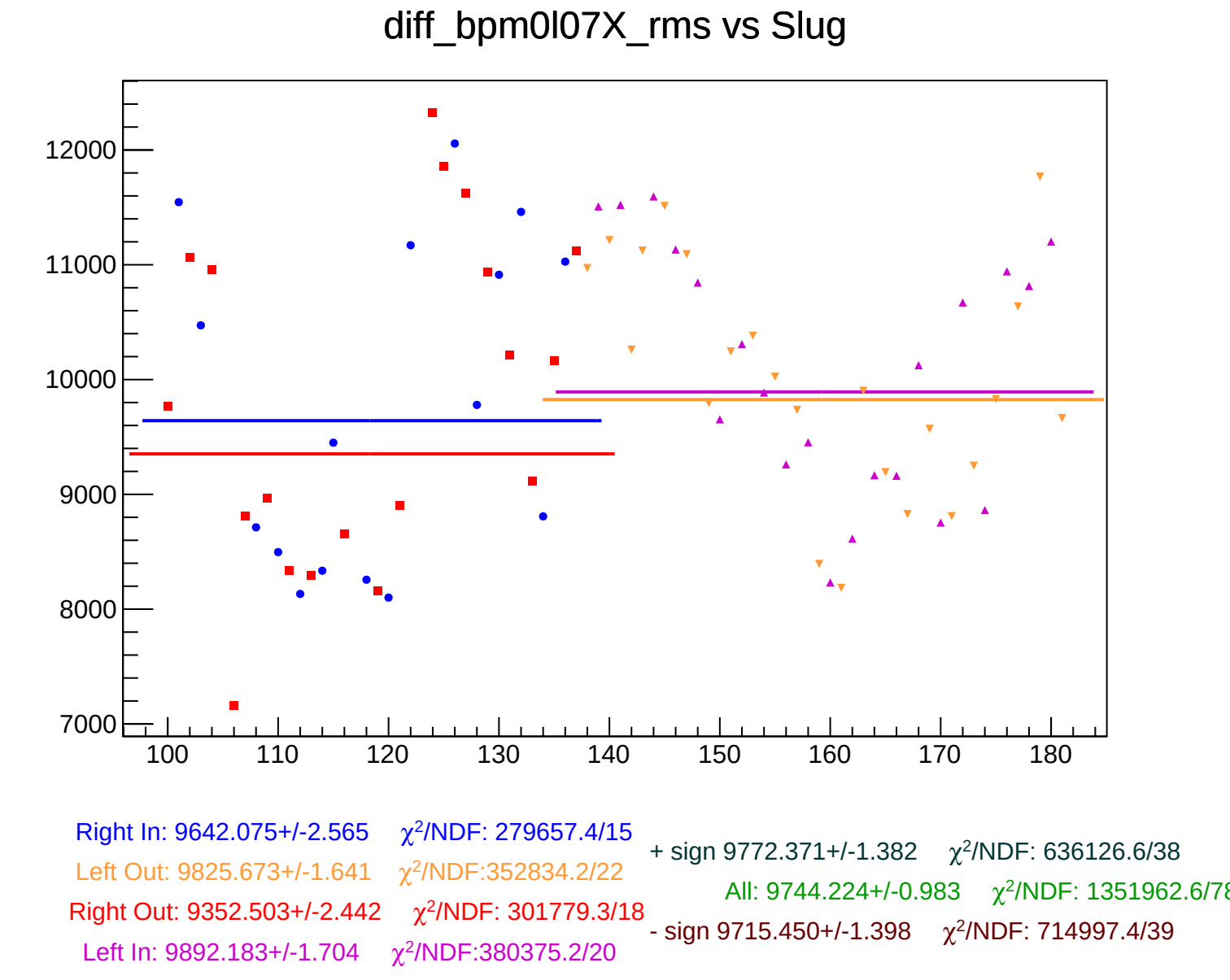
Right Out: -8.658+/-3.454 χ^2/NDF: 30.1/18

Left In: 12.648+/-2.410 χ^2/NDF:23.7/20

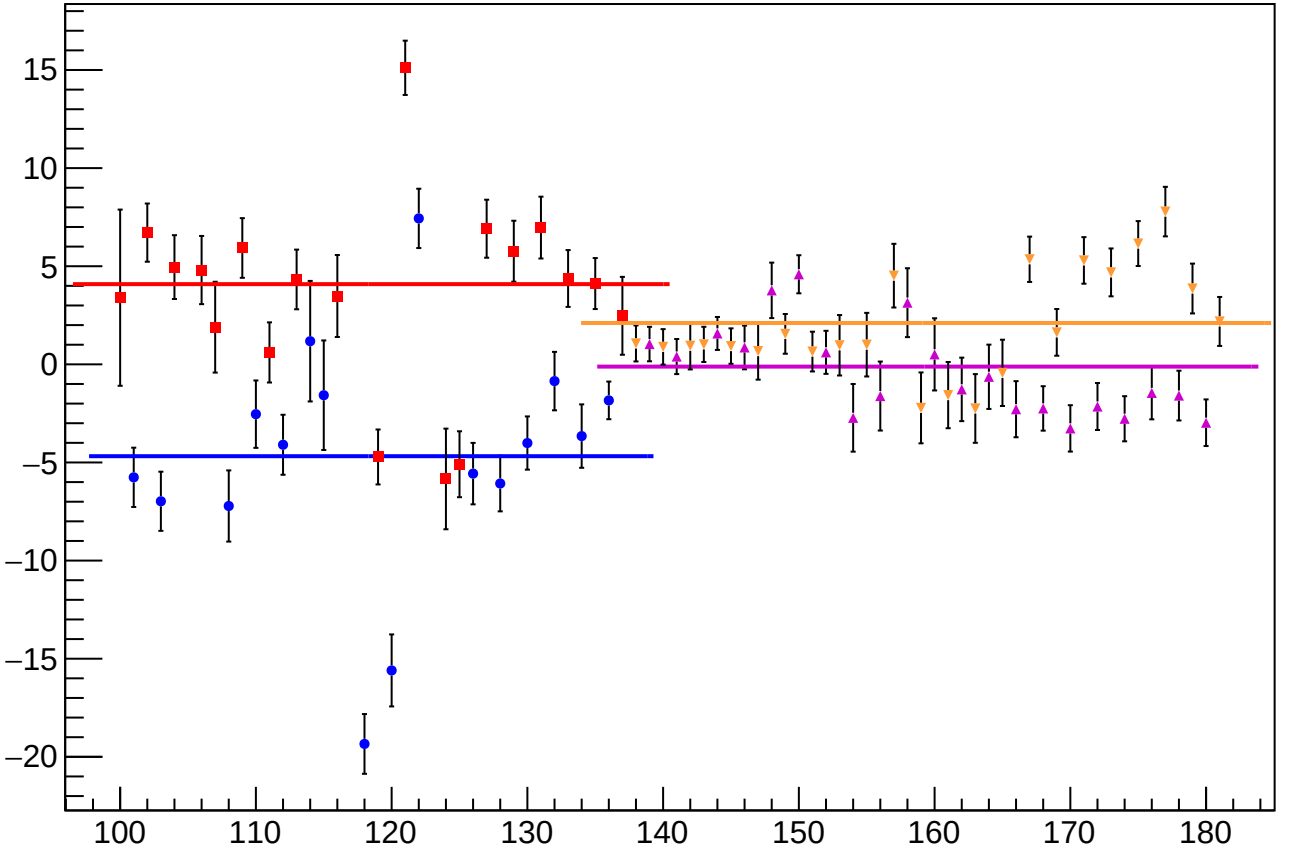
+ sign 0.040+/-1.955 χ^2/NDF: 130.7/38

All: 2.825+/-1.390 χ^2/NDF: 214.2/78

- sign 5.671+/-1.976 χ^2/NDF: 79.4/39


diff_bpm0l07X_rms vs Slug
12000
11000
10000
9000
8000
7000
100
110
120
130
140
150
160
170
180
Right In: 9642.075+/-2.565 χ²/NDF: 279657.4/15
Left Out: 9825.673+/-1.641 χ²/NDF:352834.2/22
Right Out: 9352.503+/-2.442 χ²/NDF: 301779.3/18
Left In: 9892.183+/-1.704 χ²/NDF:380375.2/20
+ sign 9772.371+/-1.382 χ²/NDF: 636126.6/38
All: 9744.224+/-0.983 χ²/NDF: 1351962.6/78
- sign 9715.450+/-1.398 χ²/NDF: 714997.4/39

diff_bpm0l07Y_mean vs Slug



Right In: -4.681+/-0.386 χ^2/NDF: 221.2/15

Left Out: 2.109+/-0.250 χ^2/NDF:87.1/22

Right Out: 4.087+/-0.376 χ^2/NDF: 168.1/18

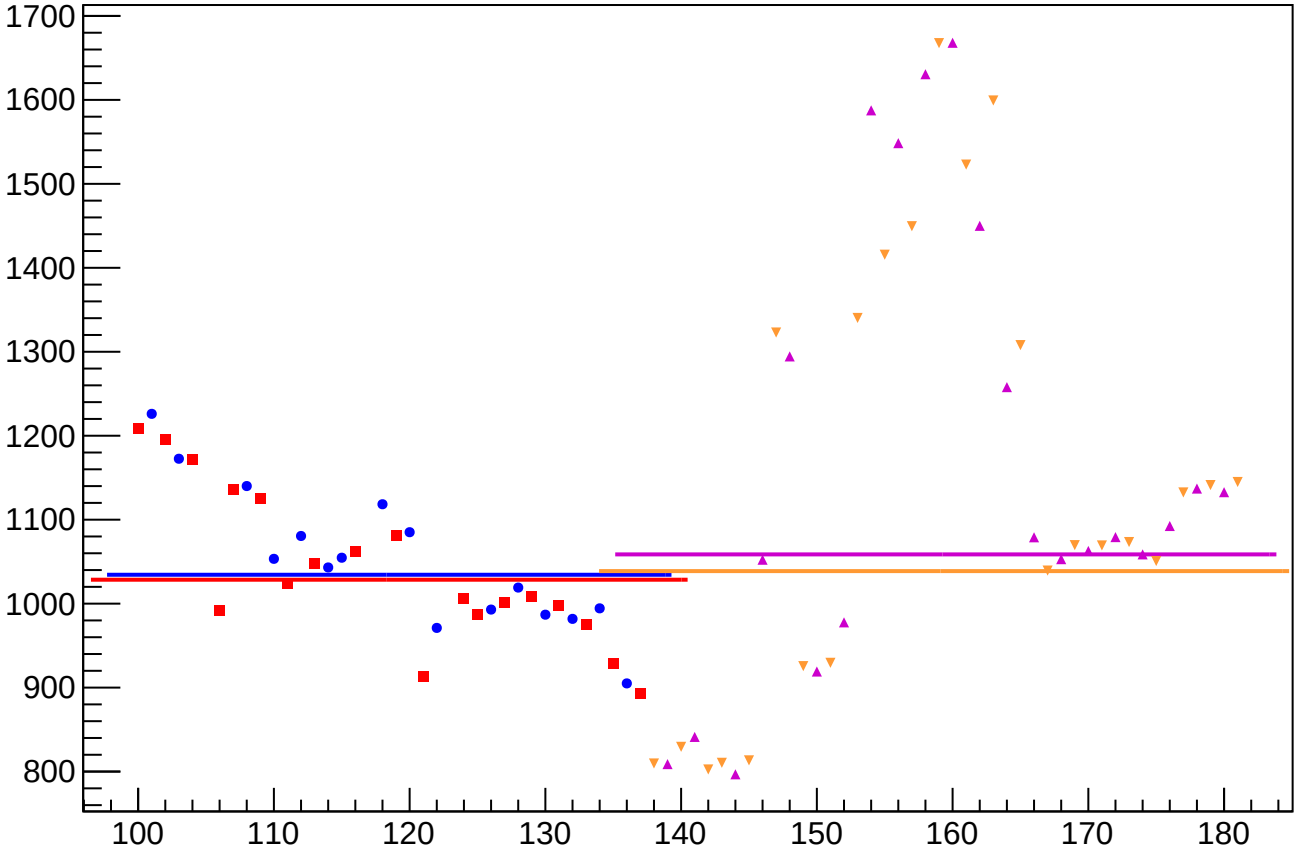
Left In: -0.115+/-0.262 χ^2/NDF:74.9/20

+ sign 0.101+/-0.210 χ^2/NDF: 526.4/38

All: 0.665+/-0.150 χ^2/NDF: 868.0/78

- sign 1.260+/-0.215 χ^2/NDF: 326.8/39

diff_bpm0l07Y_rms vs Slug



Right In: 1034.402+/-0.273 χ^2/NDF: 113278.6/15

Left Out: 1038.758+/-0.177 χ^2/NDF:1706572.9/22

Right Out: 1028.501+/-0.266 χ^2/NDF: 101624.8/18

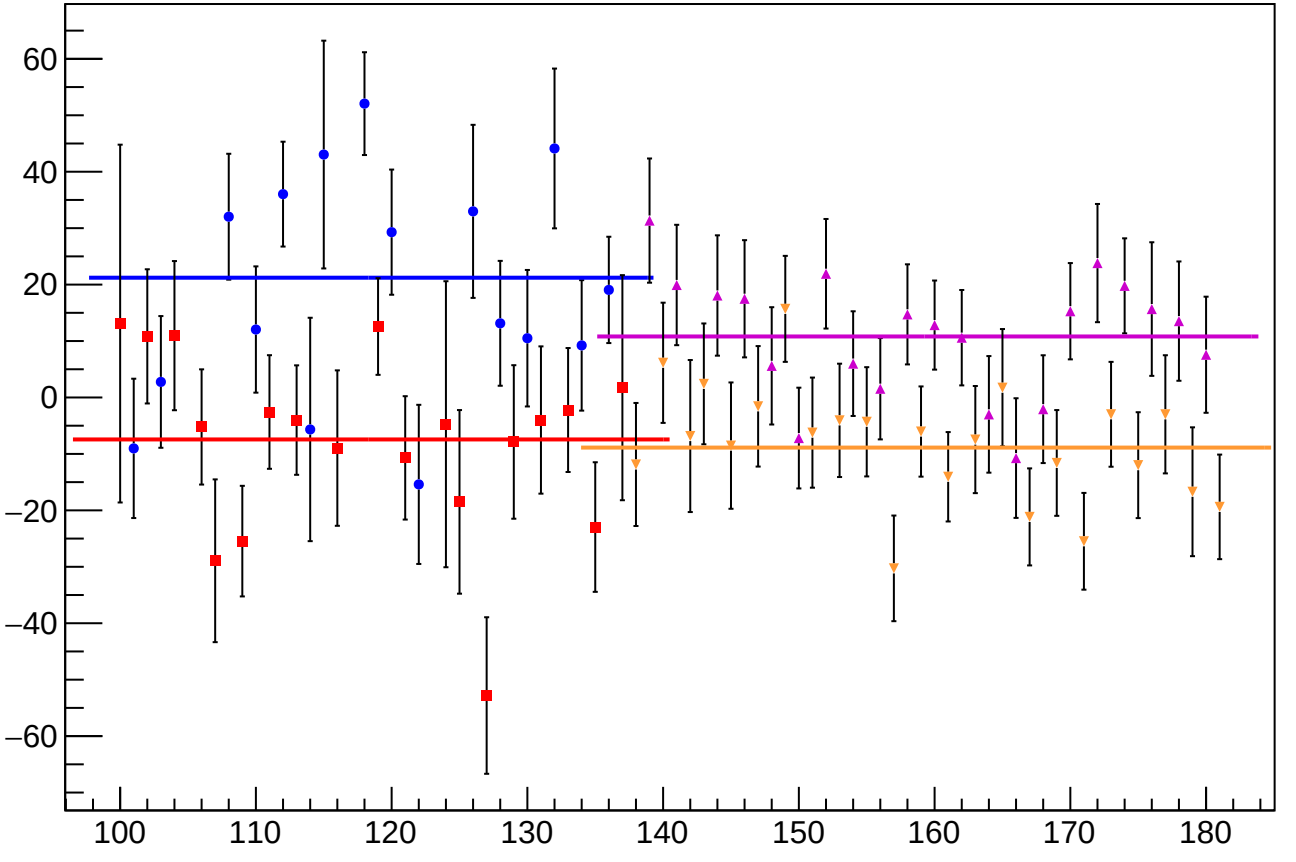
Left In: 1058.657+/-0.186 χ^2/NDF:1521849.0/20

+ sign 1037.470+/-0.148 χ^2/NDF: 1820031.1/38

All: 1042.984+/-0.106 χ^2/NDF: 3454979.9/78

- sign 1048.791+/-0.152 χ^2/NDF: 1632112.0/39

diff_bpm0l08X_mean vs Slug



Right In: 21.222+/-2.952 χ^2/NDF: 40.1/15

Left Out: -8.878+/-2.025 χ^2/NDF:26.4/22

Right Out: -7.435+/-2.810 χ^2/NDF: 29.8/18

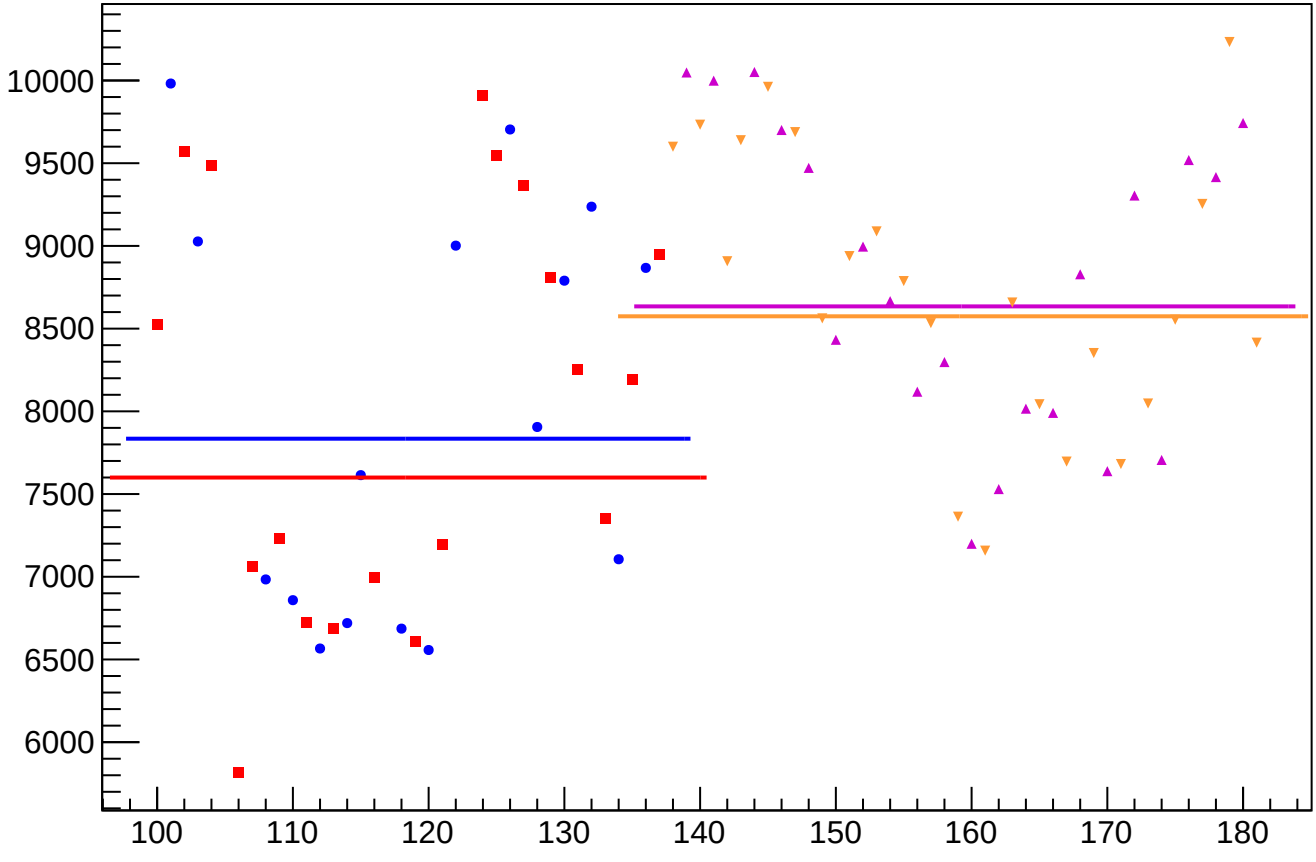
Left In: 10.811+/-2.103 χ^2/NDF:23.3/20

+ sign 0.751+/-1.670 χ^2/NDF: 137.2/38

All: 2.491+/-1.186 χ^2/NDF: 219.5/78

- sign 4.261+/-1.684 χ^2/NDF: 80.2/39

diff_bpm0l08X_rms vs Slug



Right In: 7834.618+/-2.087 χ^2/NDF: 318089.6/15

Left Out: 8574.498+/-1.432 χ^2/NDF:340548.3/22

Right Out: 7599.749+/-1.987 χ^2/NDF: 344296.8/18

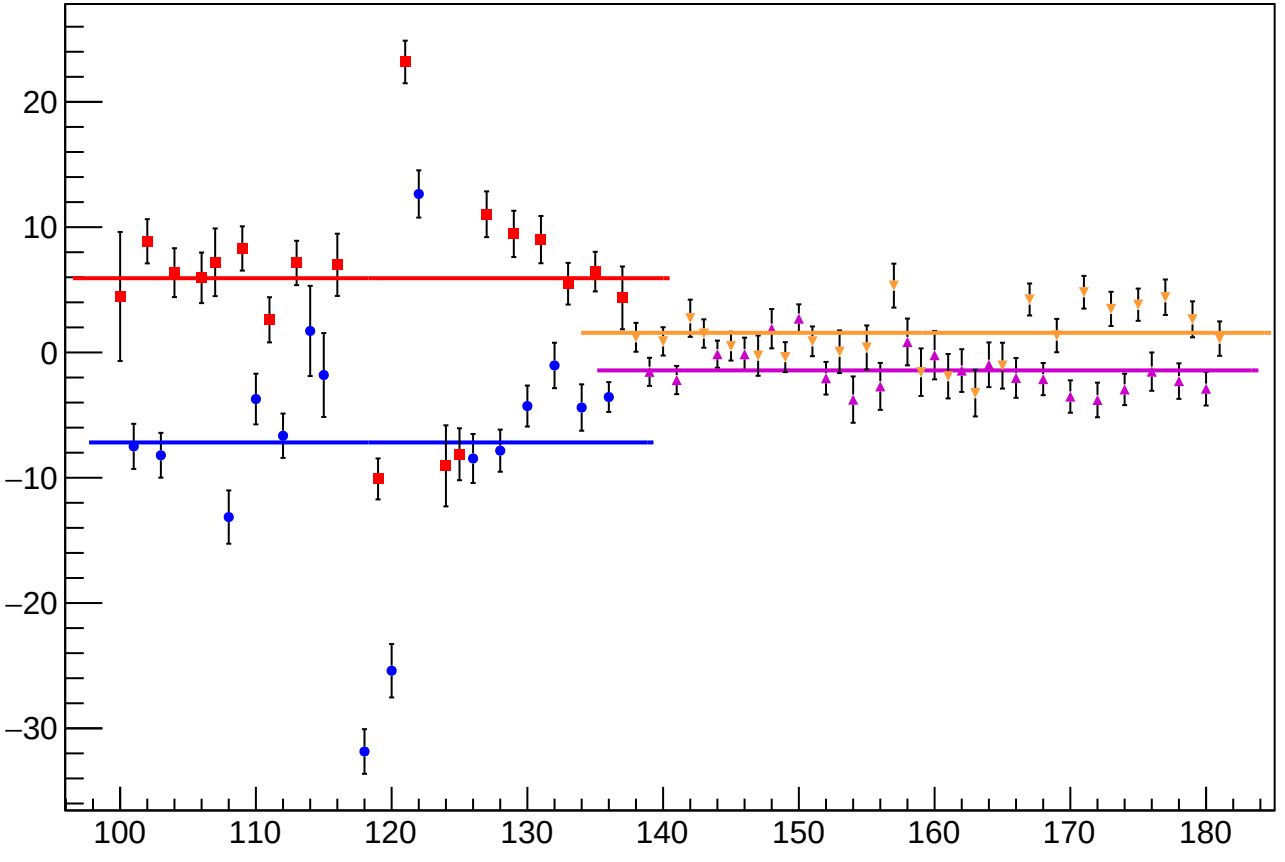
Left In: 8634.448+/-1.487 χ^2/NDF:369214.3/20

+ sign 8337.799+/-1.181 χ^2/NDF: 744093.9/38

All: 8300.722+/-0.838 χ^2/NDF: 1633383.6/78

- sign 8263.010+/-1.191 χ^2/NDF: 887300.1/39

diff_bpm0l08Y_mean vs Slug



Right In: -7.183+/-0.462 χ^2/NDF: 422.2/15

Left Out: 1.568+/-0.290 χ^2/NDF:47.5/22

Right Out: 5.927+/-0.449 χ^2/NDF: 290.4/18

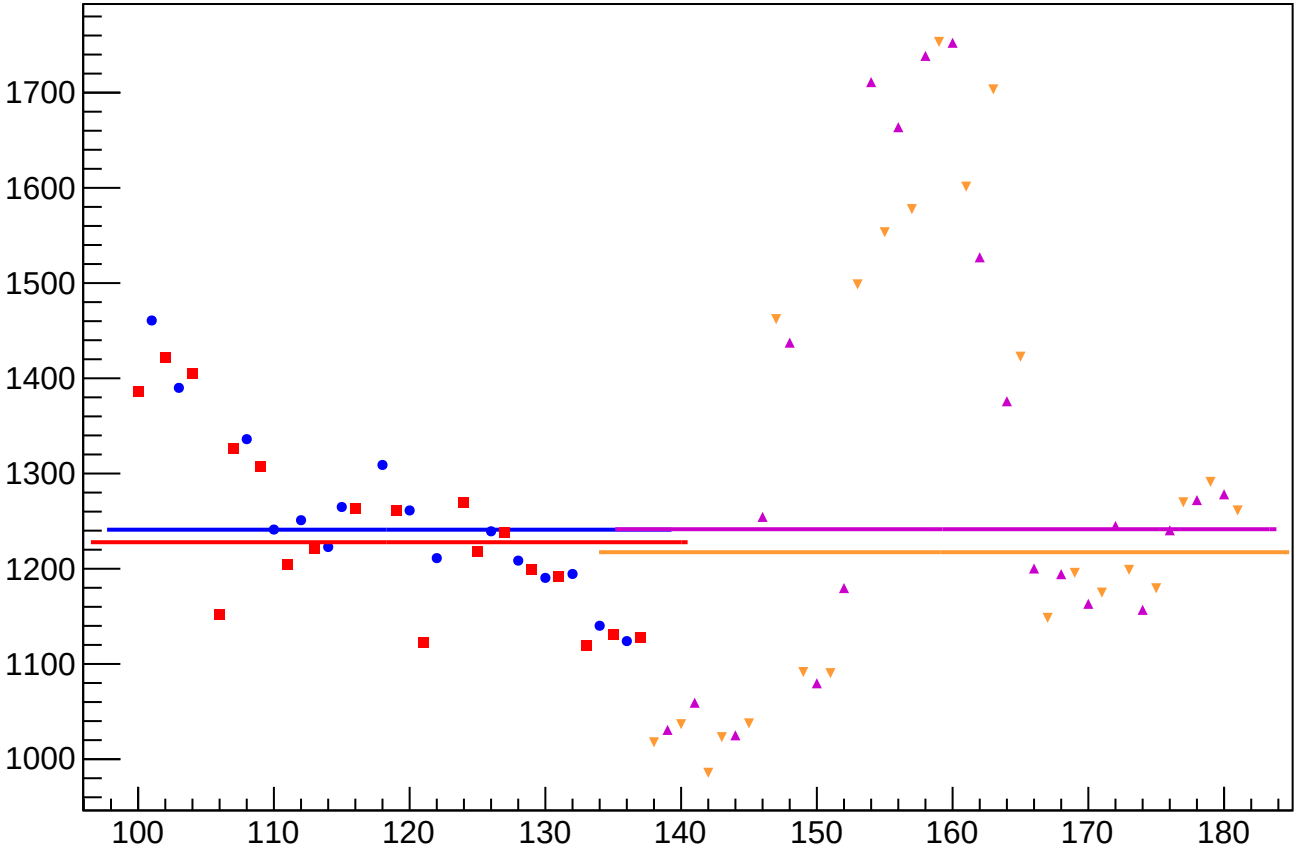
Left In: -1.432+/-0.304 χ^2/NDF:33.7/20

\+ sign -0.899+/-0.245 χ^2/NDF: 727.1/38

All: -0.031+/-0.176 χ^2/NDF: 1260.8/78

\- sign 0.883+/-0.252 χ^2/NDF: 508.0/39

diff_bpm0l08Y_rms vs Slug



Right In: 1241.007+/-0.327 χ^2/NDF: 80653.5/15

Left Out: 1217.364+/-0.205 χ^2/NDF:1005898.9/22

Right Out: 1227.864+/-0.318 χ^2/NDF: 82339.2/18

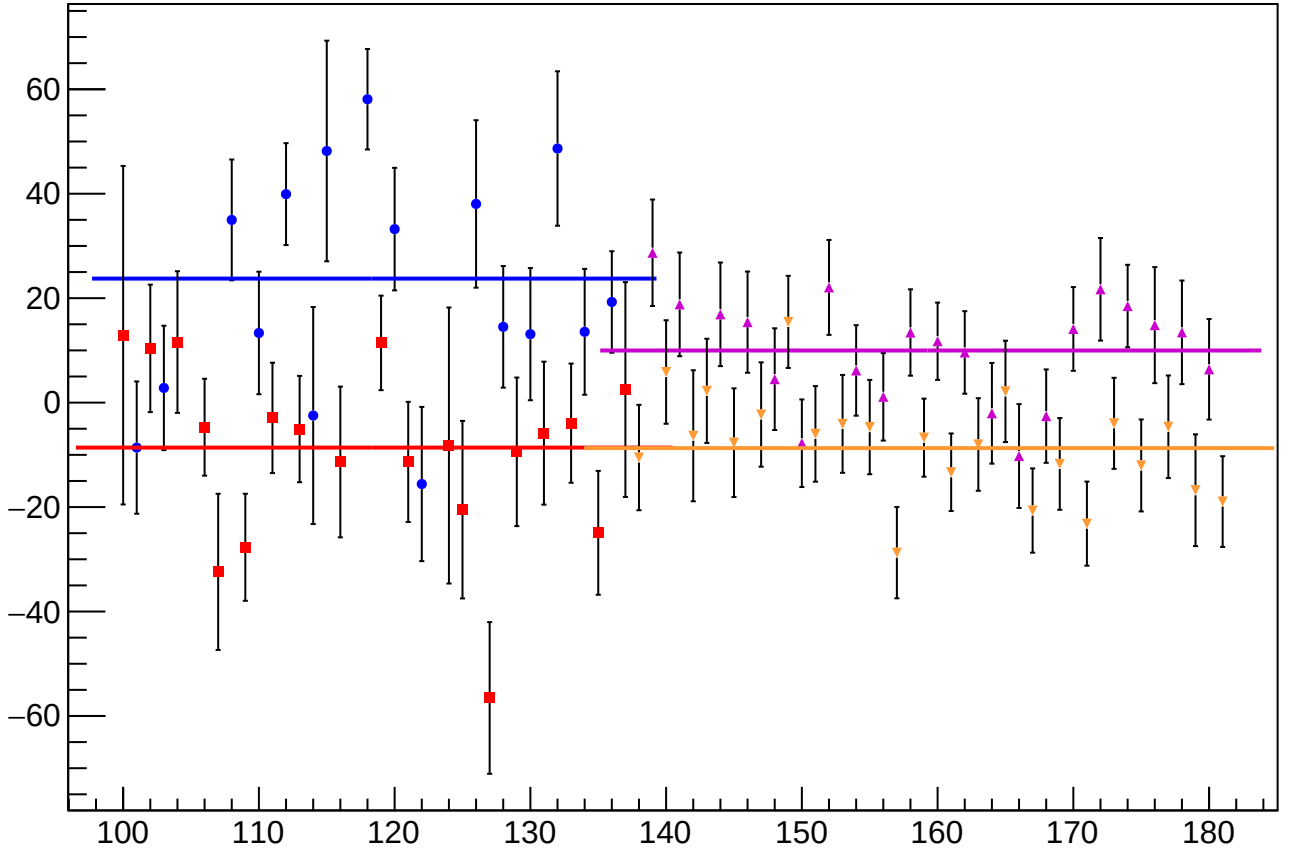
Left In: 1241.508+/-0.215 χ^2/NDF:882505.5/20

+ sign 1224.029+/-0.174 χ^2/NDF: 1090308.3/38

All: 1230.452+/-0.124 χ^2/NDF: 2059229.0/78

- sign 1237.216+/-0.178 χ^2/NDF: 966109.7/39

diff_bpm0l09X_mean vs Slug



Right In: 23.750+/-3.081 χ^2/NDF: 43.4/15

Left Out: -8.713+/-1.894 χ^2/NDF:27.0/22

Right Out: -8.609+/-2.899 χ^2/NDF: 30.5/18

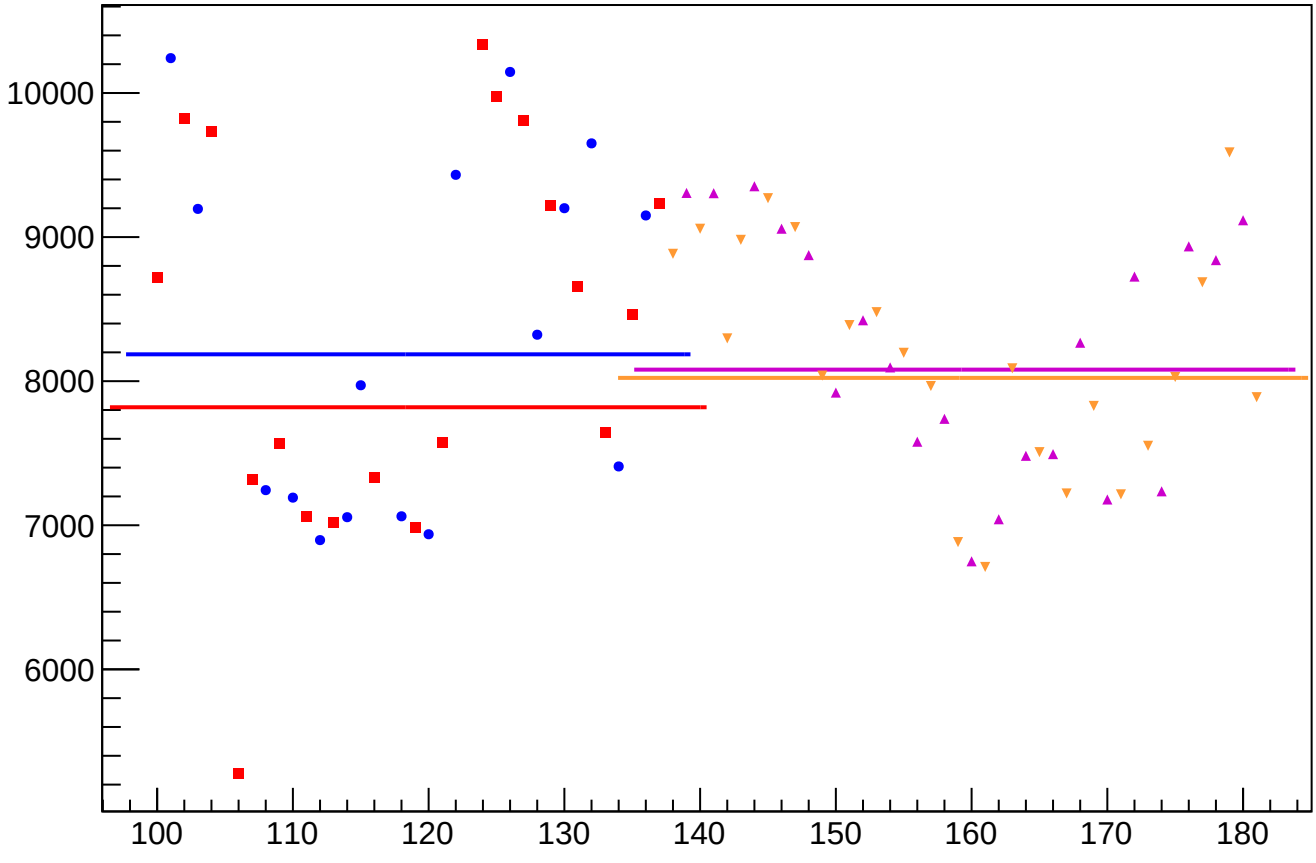
Left In: 9.982+/-1.968 χ^2/NDF:24.0/20

+ sign 0.187+/-1.613 χ^2/NDF: 151.0/38

All: 2.135+/-1.146 χ^2/NDF: 236.6/78

- sign 4.119+/-1.628 χ^2/NDF: 82.7/39

diff_bpm0l09X_rms vs Slug



Right In: 8186.361+/-2.179 χ^2/NDF: 290628.8/15

Left Out: 8022.826+/-1.339 χ^2/NDF:329149.0/22

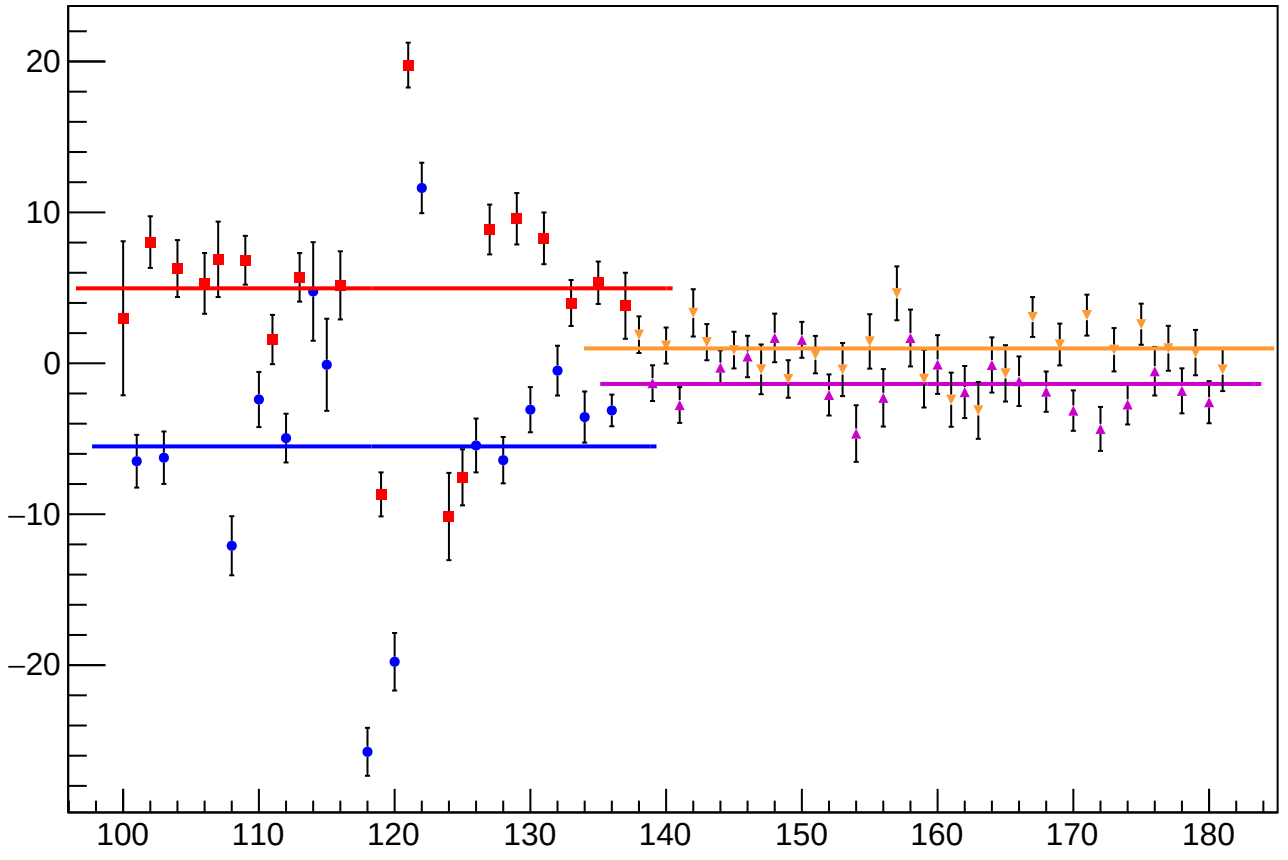
Right Out: 7818.965+/-2.050 χ^2/NDF: 422998.1/18

Left In: 8080.119+/-1.391 χ^2/NDF:358404.4/20

+ sign 8067.662+/-1.141 χ^2/NDF: 623866.4/38

All: 8033.025+/-0.810 χ^2/NDF: 1418240.9/78

- sign 7997.759+/-1.151 χ^2/NDF: 792514.2/39



Right In: -5.506+/-0.421 χ^2/NDF: 369.8/15

Left Out: 0.985+/-0.302 χ^2/NDF:29.1/22

Right Out: 4.967+/-0.410 χ^2/NDF: 287.3/18

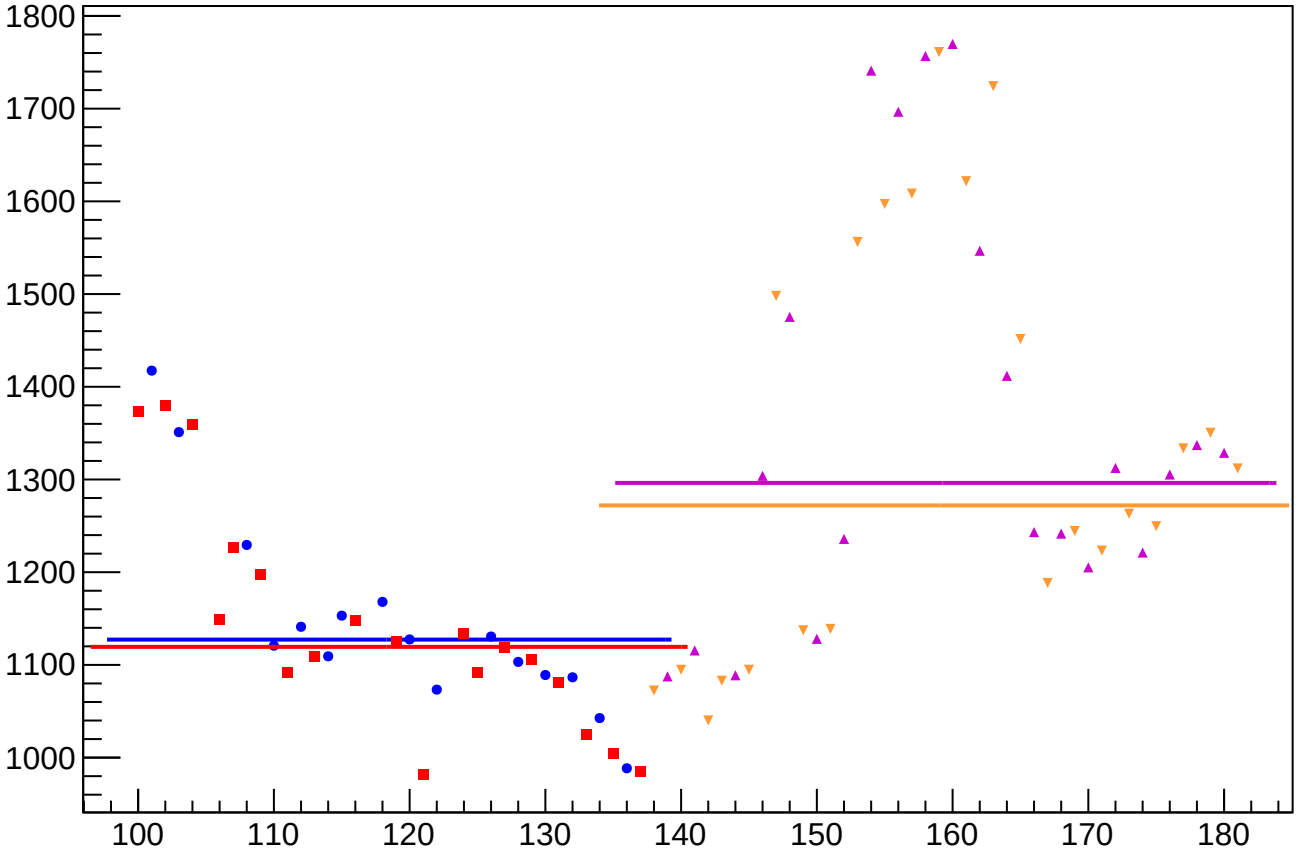
Left In: -1.368+/-0.317 χ^2/NDF:29.1/20

+ sign -1.221+/-0.245 χ^2/NDF: 555.9/38

All: -0.135+/-0.175 χ^2/NDF: 1061.7/78

- sign 0.999+/-0.251 χ^2/NDF: 465.7/39

diff_bpm0l09Y_rms vs Slug



Right In: 1127.290+/-0.298 χ^2/NDF: 140615.8/15

Left Out: 1272.052+/-0.214 χ^2/NDF:870534.4/22

Right Out: 1119.473+/-0.290 χ^2/NDF: 140736.0/18

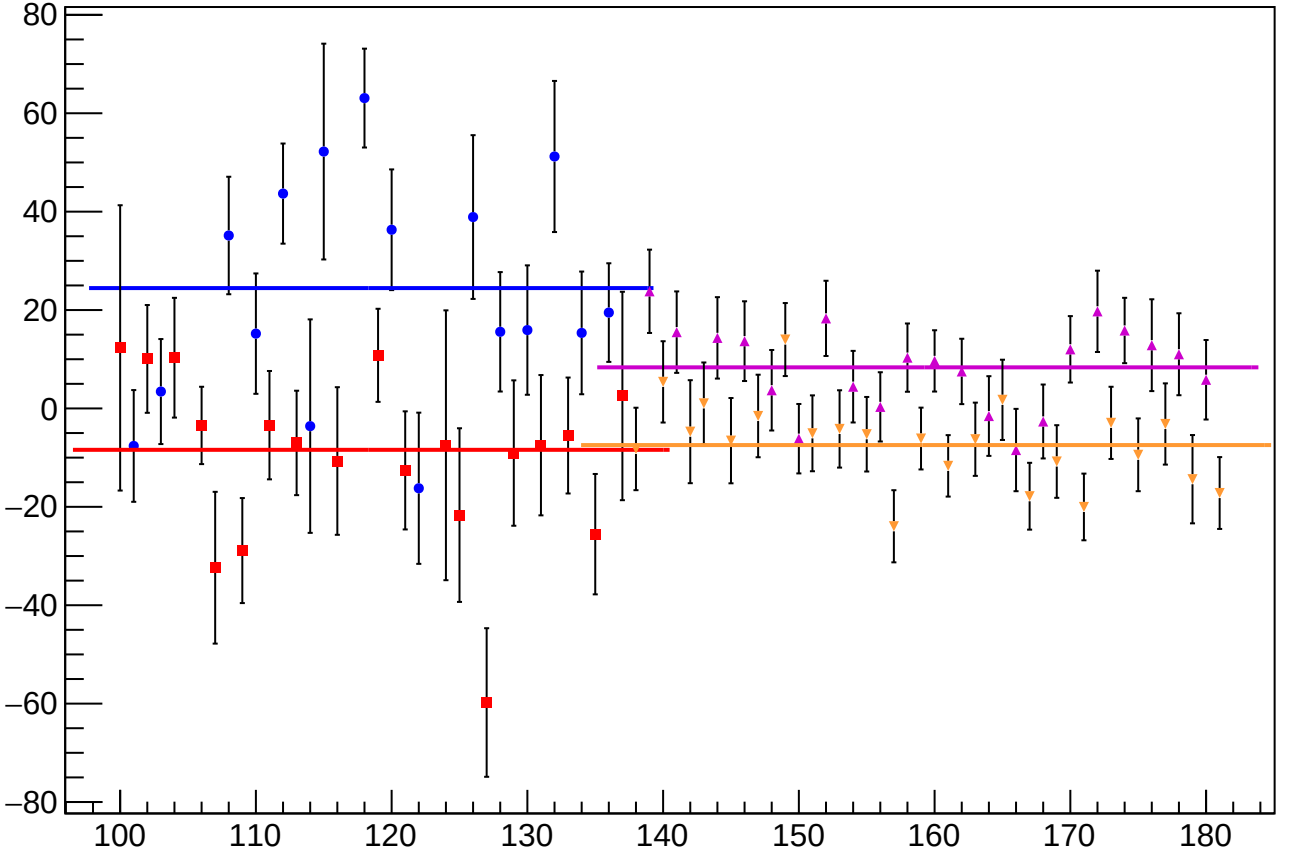
Left In: 1296.305+/-0.224 χ^2/NDF:755173.4/20

+ sign 1222.864+/-0.173 χ^2/NDF: 1167365.7/38

All: 1226.471+/-0.124 χ^2/NDF: 2296815.3/78

- sign 1230.240+/-0.177 χ^2/NDF: 1128565.7/39

diff_bpm0l10X_mean vs Slug



Right In: 24.463+/-3.136 χ^2/NDF: 48.3/15

Left Out: -7.446+/-1.590 χ^2/NDF:28.7/22

Right Out: -8.413+/-2.891 χ^2/NDF: 31.1/18

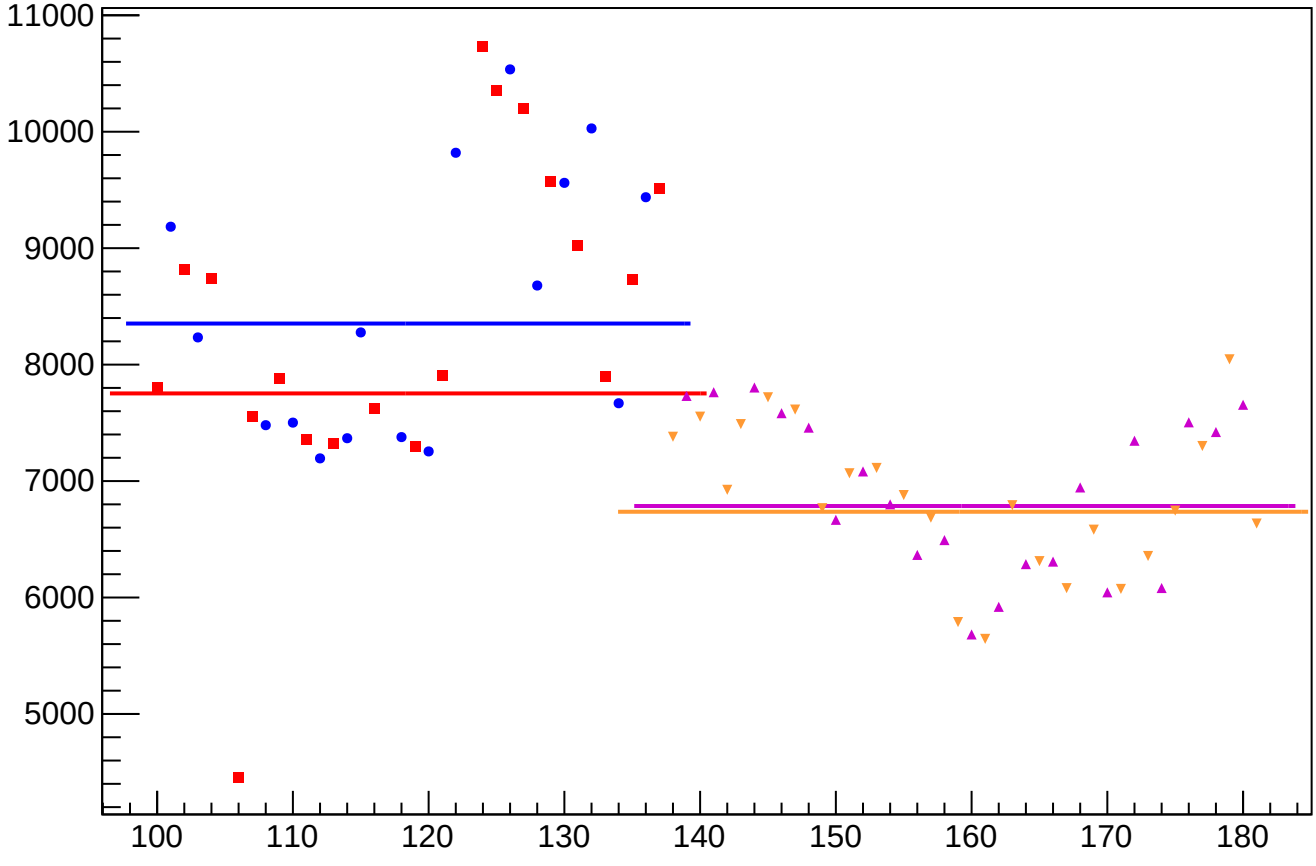
Left In: 8.352+/-1.652 χ^2/NDF:24.6/20

+ sign -0.923+/-1.418 χ^2/NDF: 159.4/38

All: 1.622+/-1.008 χ^2/NDF: 247.0/78

- sign 4.226+/-1.434 χ^2/NDF: 81.1/39

diff_bpm0l10X_rms vs Slug



Right In: 8352.758+/-2.218 χ^2/NDF: 220412.5/15

Left Out: 6736.463+/-1.124 χ^2/NDF:313448.5/22

Right Out: 7752.674+/-2.044 χ^2/NDF: 588072.1/18

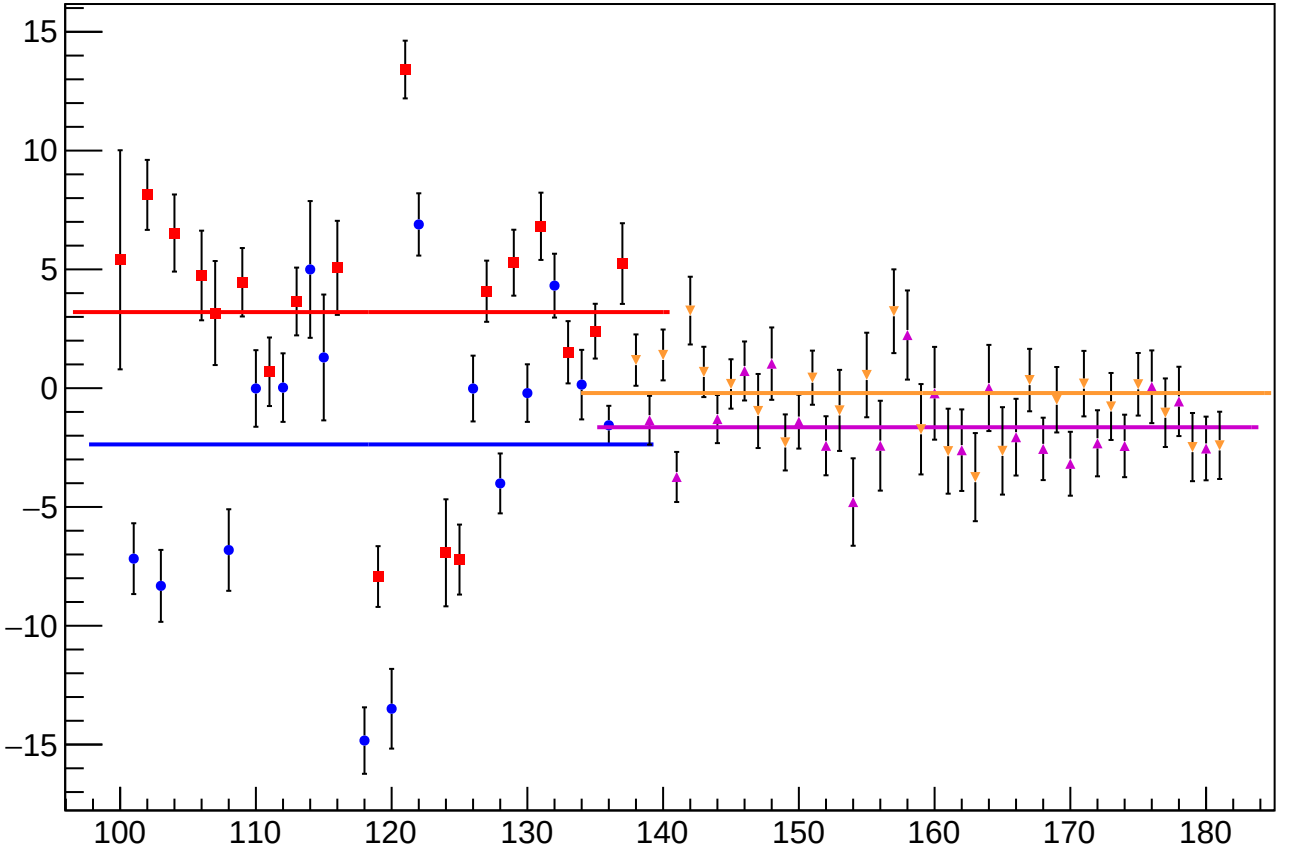
Left In: 6785.839+/-1.168 χ^2/NDF:344291.4/20

+ sign 7066.869+/-1.003 χ^2/NDF: 956492.7/38

All: 7045.589+/-0.713 χ^2/NDF: 2058401.0/78

- sign 7023.817+/-1.014 χ^2/NDF: 1100997.0/39

diff_bpm0l10Y_mean vs Slug



Right In: -2.368+/-0.350 χ^2/NDF: 255.6/15

Left Out: -0.205+/-0.285 χ^2/NDF:32.2/22

Right Out: 3.203+/-0.346 χ^2/NDF: 250.5/18

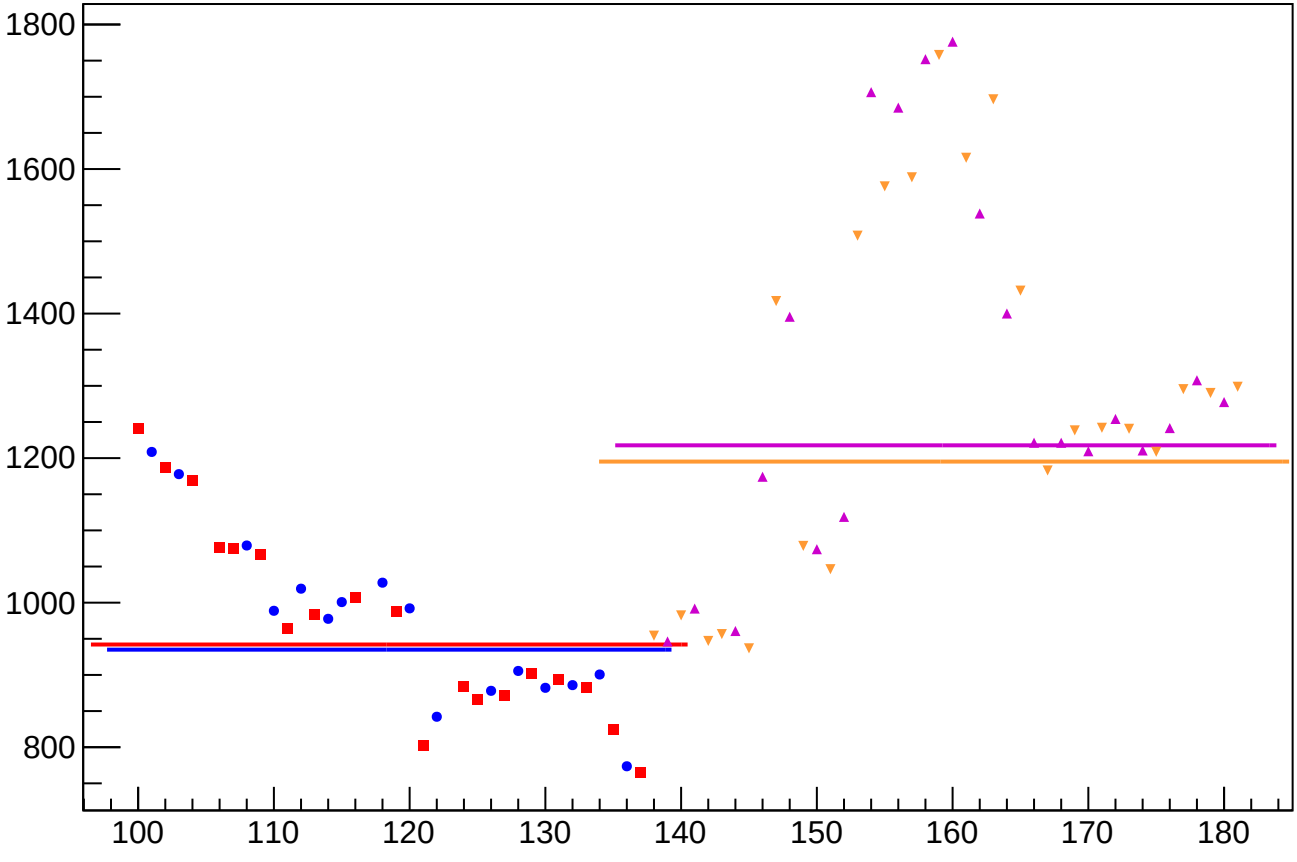
Left In: -1.644+/-0.299 χ^2/NDF:25.0/20

+ sign -1.068+/-0.221 χ^2/NDF: 310.7/38

All: -0.337+/-0.158 χ^2/NDF: 720.6/78

- sign 0.429+/-0.227 χ^2/NDF: 387.6/39

diff_bpm0l10Y_rms vs Slug



Right In: 934.975+/-0.248 χ^2/NDF: 254363.7/15

Left Out: 1195.223+/-0.202 χ^2/NDF:1317252.8/22

Right Out: 942.096+/-0.245 χ^2/NDF: 232453.5/18

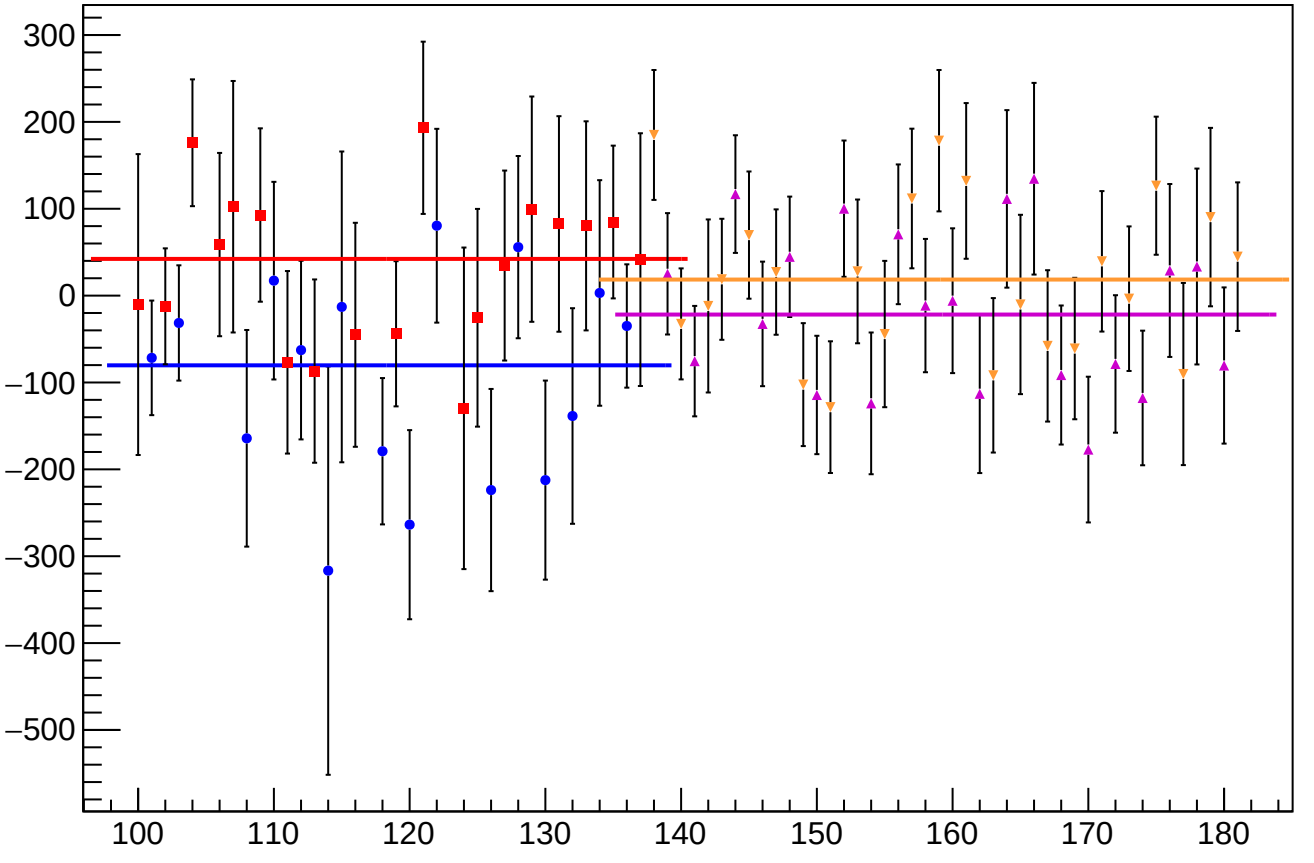
Left In: 1217.707+/-0.212 χ^2/NDF:1126699.8/20

+ sign 1091.415+/-0.157 χ^2/NDF: 2234612.7/38

All: 1095.522+/-0.112 χ^2/NDF: 4319882.3/78

- sign 1099.824+/-0.160 χ^2/NDF: 2083859.6/39

diff_bpm0r03X_mean vs Slug



Right In: -80.250+/-24.909 χ^2/NDF: 14.8/15

Left Out: 18.492+/-16.949 χ^2/NDF:27.2/22

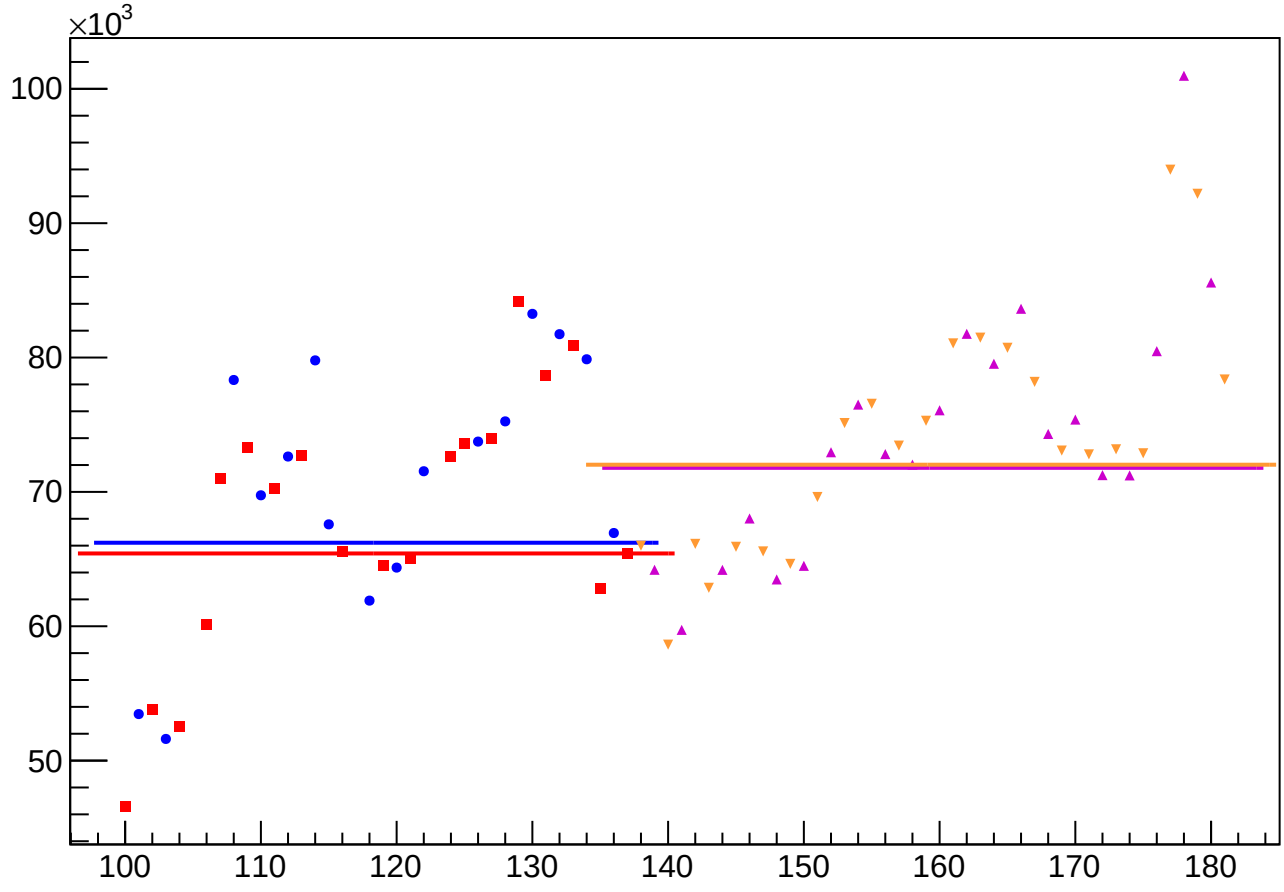
Right Out: 42.263+/-24.144 χ^2/NDF: 13.0/18

Left In: -21.794+/-17.421 χ^2/NDF:25.4/20

+ sign -12.757+/-14.013 χ^2/NDF: 52.8/38

All: -6.363+/-9.949 χ^2/NDF: 96.2/78

- sign 0.136+/-14.127 χ^2/NDF: 43.0/39



Right In: 66216.115+/-17.613 χ^2/NDF: 338377.6/15

Left Out: 72023.542+/-11.985 χ^2/NDF:452663.2/22

Right Out: 65418.529+/-17.073 χ^2/NDF: 304555.9/18

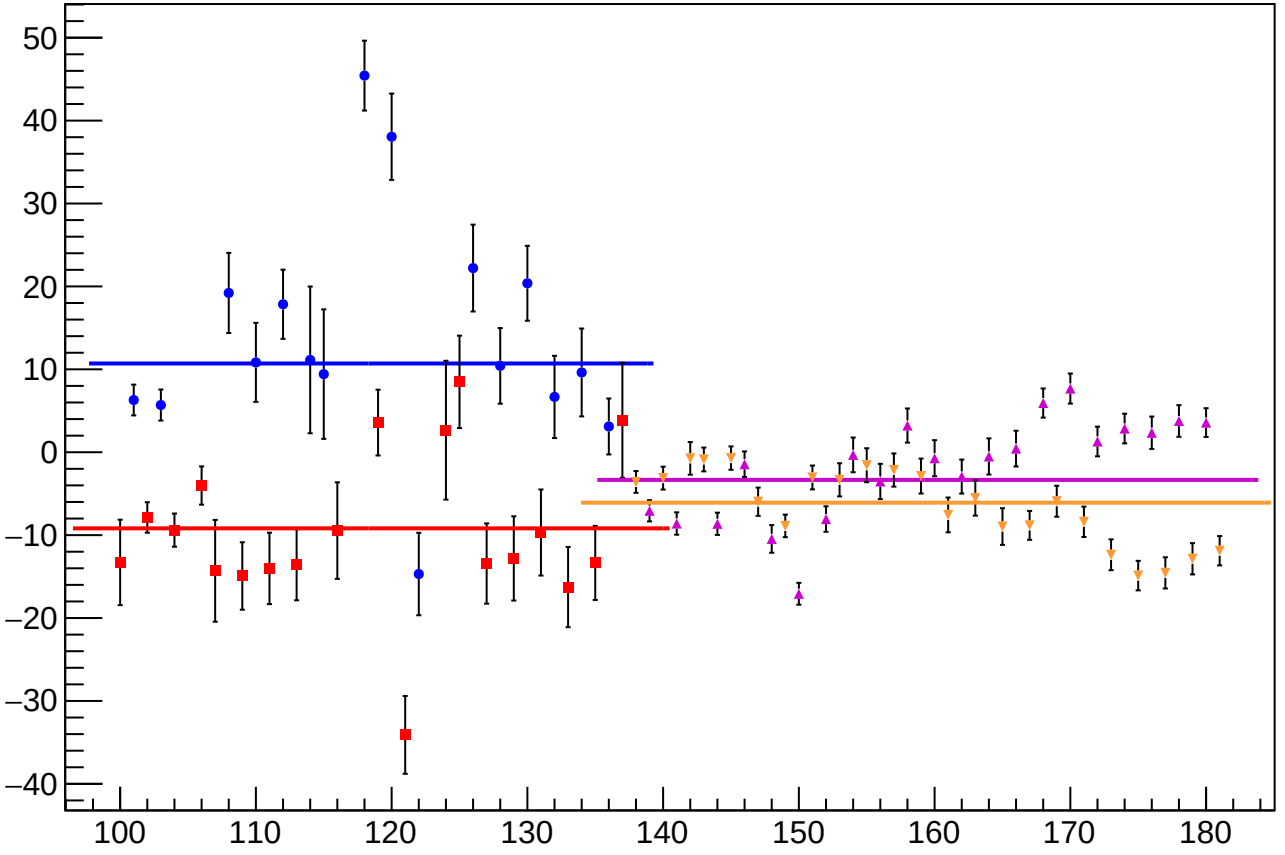
Left In: 71791.326+/-12.318 χ^2/NDF:451106.9/20

+ sign 70185.669+/-9.908 χ^2/NDF: 865350.3/38

All: 69899.956+/-7.035 χ^2/NDF: 1714321.0/7

- sign 69609.551+/-9.989 χ^2/NDF: 847294.1/39

diff_bpm0r03Y_mean vs Slug



Right In: 10.705+/-0.921 χ^2/NDF: 155.6/15

Left Out: -6.082+/-0.360 χ^2/NDF:151.0/22

Right Out: -9.182+/-0.850 χ^2/NDF: 69.6/18

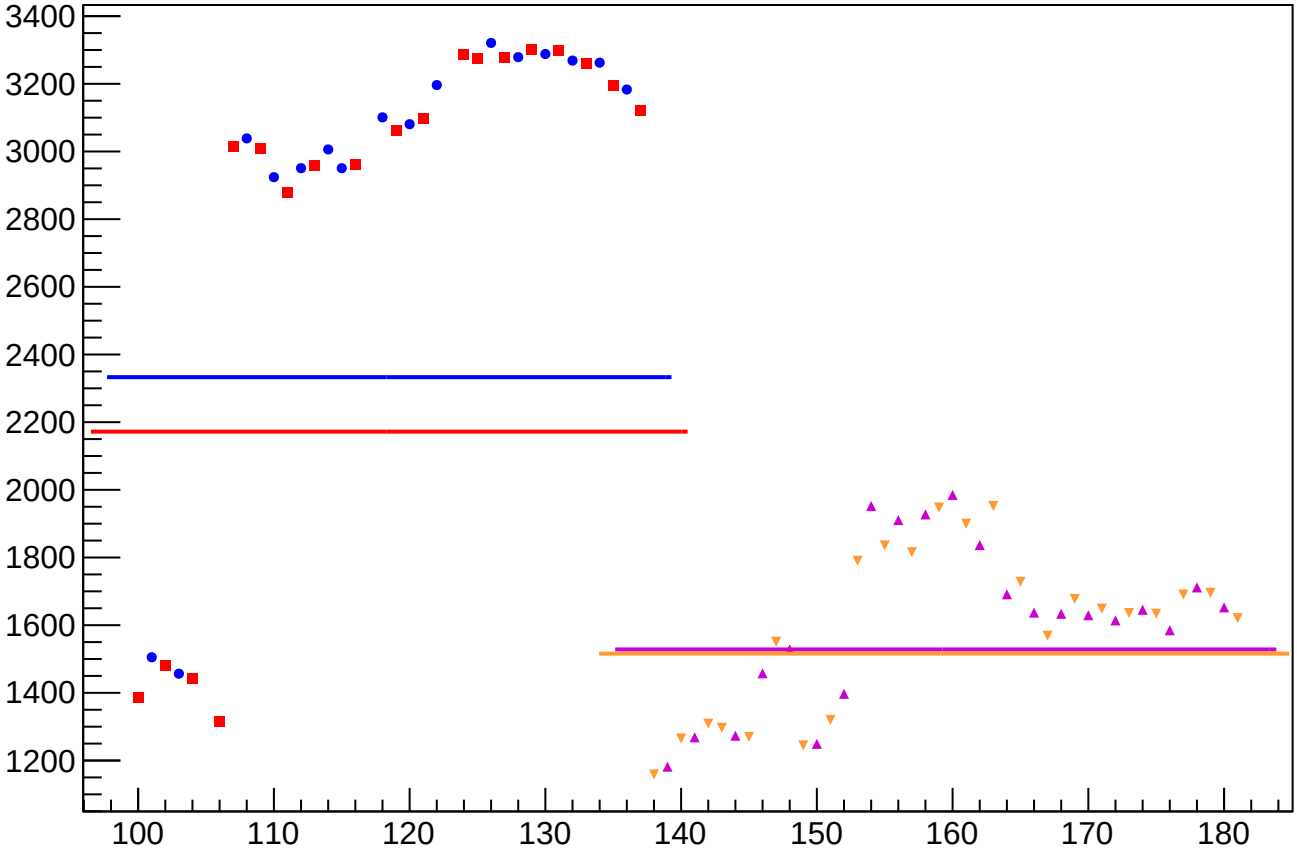
Left In: -3.338+/-0.373 χ^2/NDF:316.9/20

\+ sign -3.860+/-0.335 χ^2/NDF: 595.0/38

All: -4.067+/-0.239 χ^2/NDF: 1021.9/78

\- sign -4.283+/-0.342 χ^2/NDF: 426.1/39

diff_bpm0r03Y_rms vs Slug



Right In: 2333.021+/-0.651 χ^2/NDF: 1651407.8/15

Left Out: 1515.895+/-0.254 χ^2/NDF:932623.5/22

Right Out: 2172.041+/-0.601 χ^2/NDF: 1984197.6/18

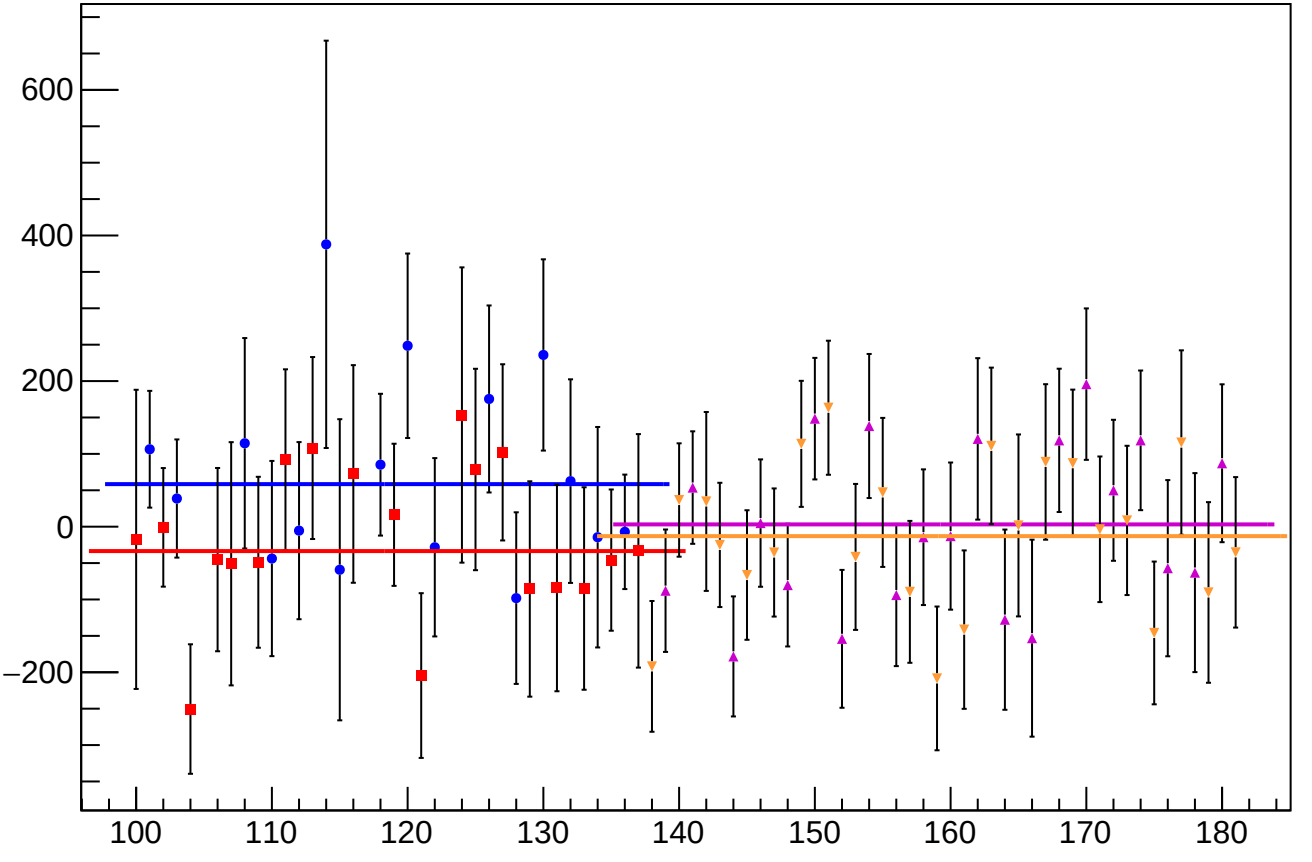
Left In: 1528.195+/-0.264 χ^2/NDF:827666.9/20

+ sign 1624.044+/-0.237 χ^2/NDF: 3951307.6/38

All: 1628.116+/-0.169 χ^2/NDF: 7725329.2/78

- sign 1632.361+/-0.242 χ^2/NDF: 3773417.6/39

diff_bpm0r05X_mean vs Slug



Right In: 58.446+/-28.918 χ^2/NDF: 11.3/15

Left Out: -12.997+/-20.661 χ^2/NDF:23.7/22

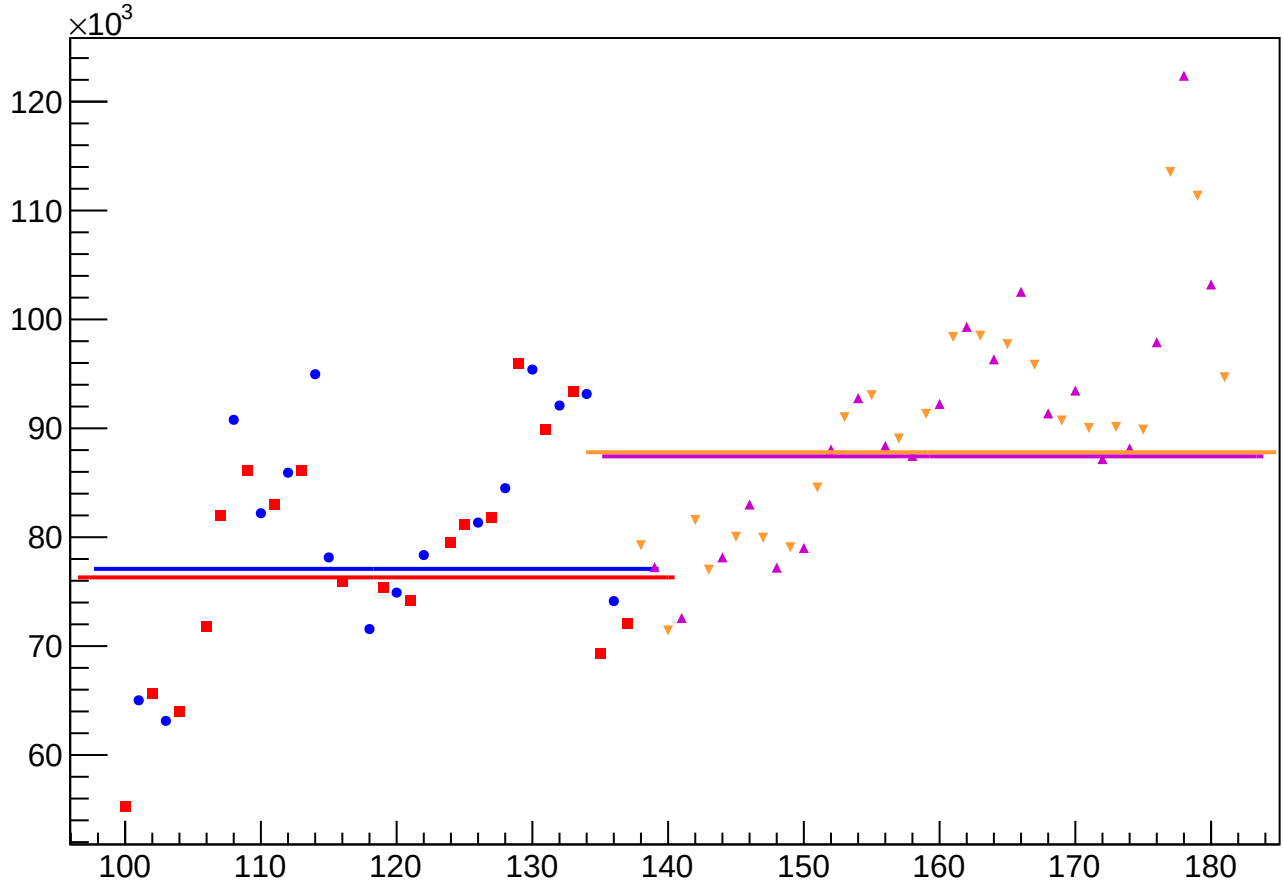
Right Out: -33.520+/-28.106 χ^2/NDF: 14.7/18

Left In: 3.128+/-21.217 χ^2/NDF:27.3/20

+ sign 11.148+/-16.811 χ^2/NDF: 39.1/38

All: 0.564+/-11.930 χ^2/NDF: 82.9/78

- sign -10.176+/-16.934 χ^2/NDF: 43.0/39



Right In: 77093.125+/-20.448 χ^2/NDF: 248542.7/15

Left Out: 87804.675+/-14.610 χ^2/NDF:438316.5/22

Right Out: 76308.708+/-19.874 χ^2/NDF: 234433.2/18

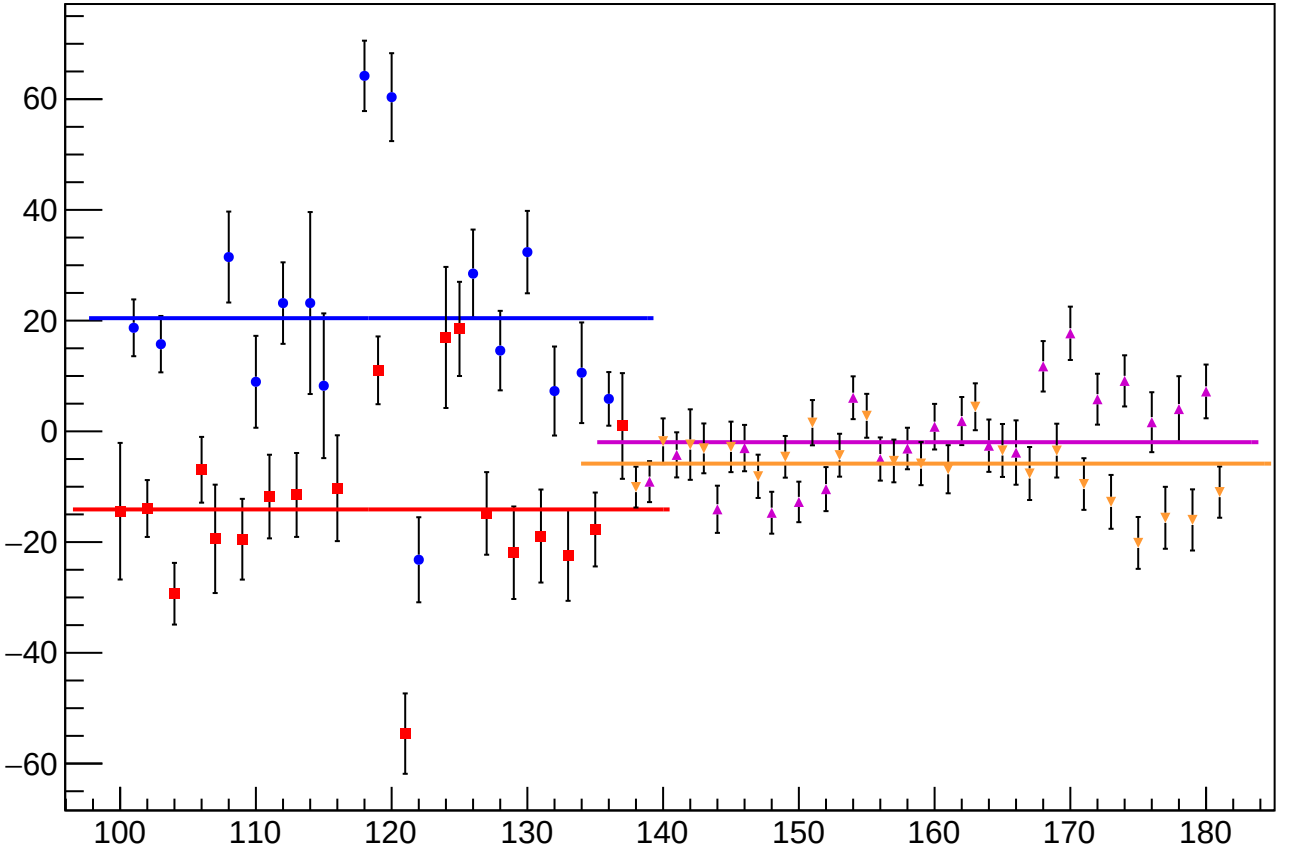
Left In: 87426.954+/-15.003 χ^2/NDF:450435.4/20

+ sign 84184.511+/-11.887 χ^2/NDF: 868531.7/38

All: 83790.614+/-8.436 χ^2/NDF: 1754978.9/7

- sign 83390.961+/-11.974 χ^2/NDF: 884235.2/39

diff_bpm0r05Y_mean vs Slug



Right In: 20.441+/-1.782 χ^2/NDF: 127.8/15

Left Out: -5.829+/-0.914 χ^2/NDF:38.2/22

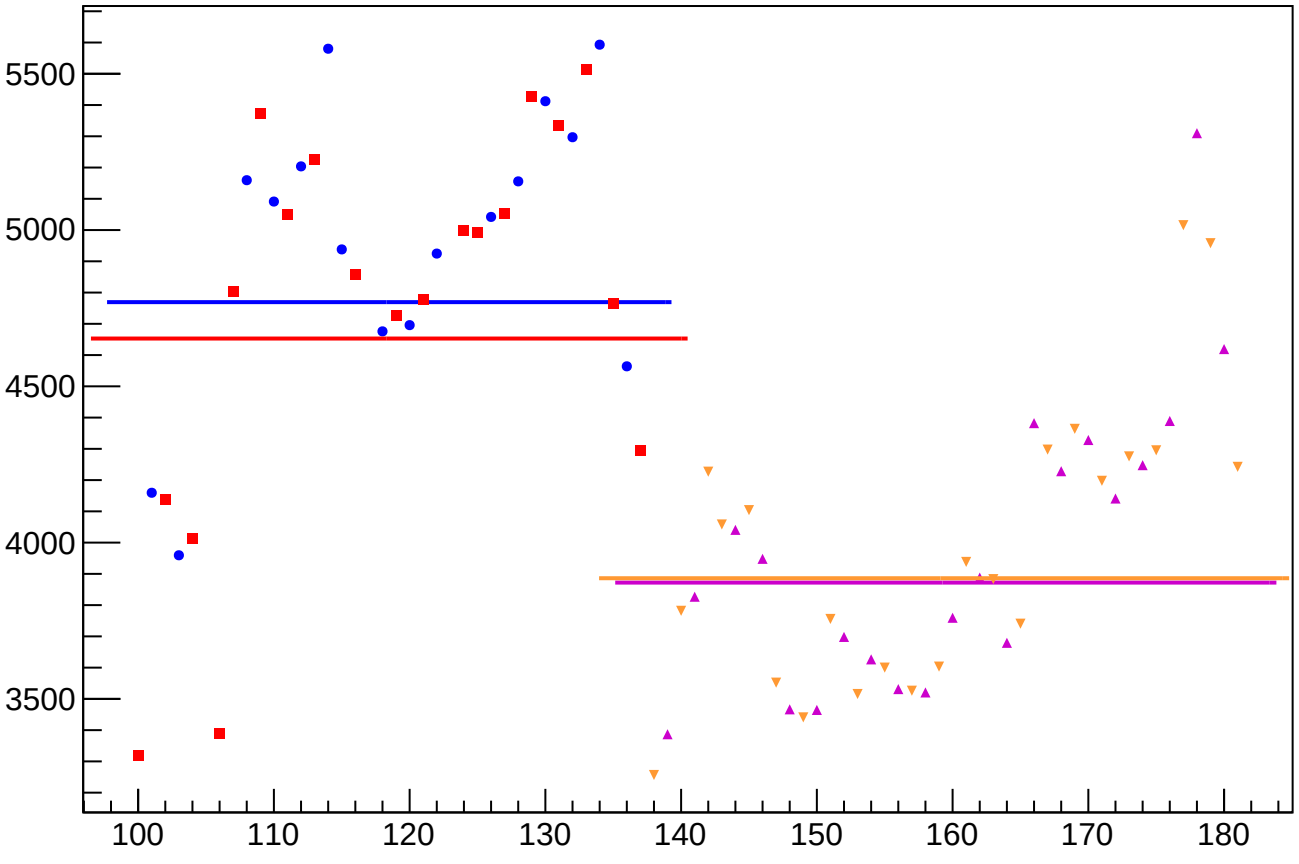
Right Out: -14.102+/-1.714 χ^2/NDF: 83.8/18

Left In: -1.959+/-0.939 χ^2/NDF:82.5/20

+ sign -0.357+/-0.813 χ^2/NDF: 338.1/38

All: -2.533+/-0.579 χ^2/NDF: 557.5/78

- sign -4.764+/-0.824 χ^2/NDF: 204.8/39



Right In: 4769.375+/-1.260 χ^2/NDF: 151678.3/15

Left Out: 3886.036+/-0.646 χ^2/NDF:415908.3/22

Right Out: 4652.924+/-1.212 χ^2/NDF: 265116.1/18

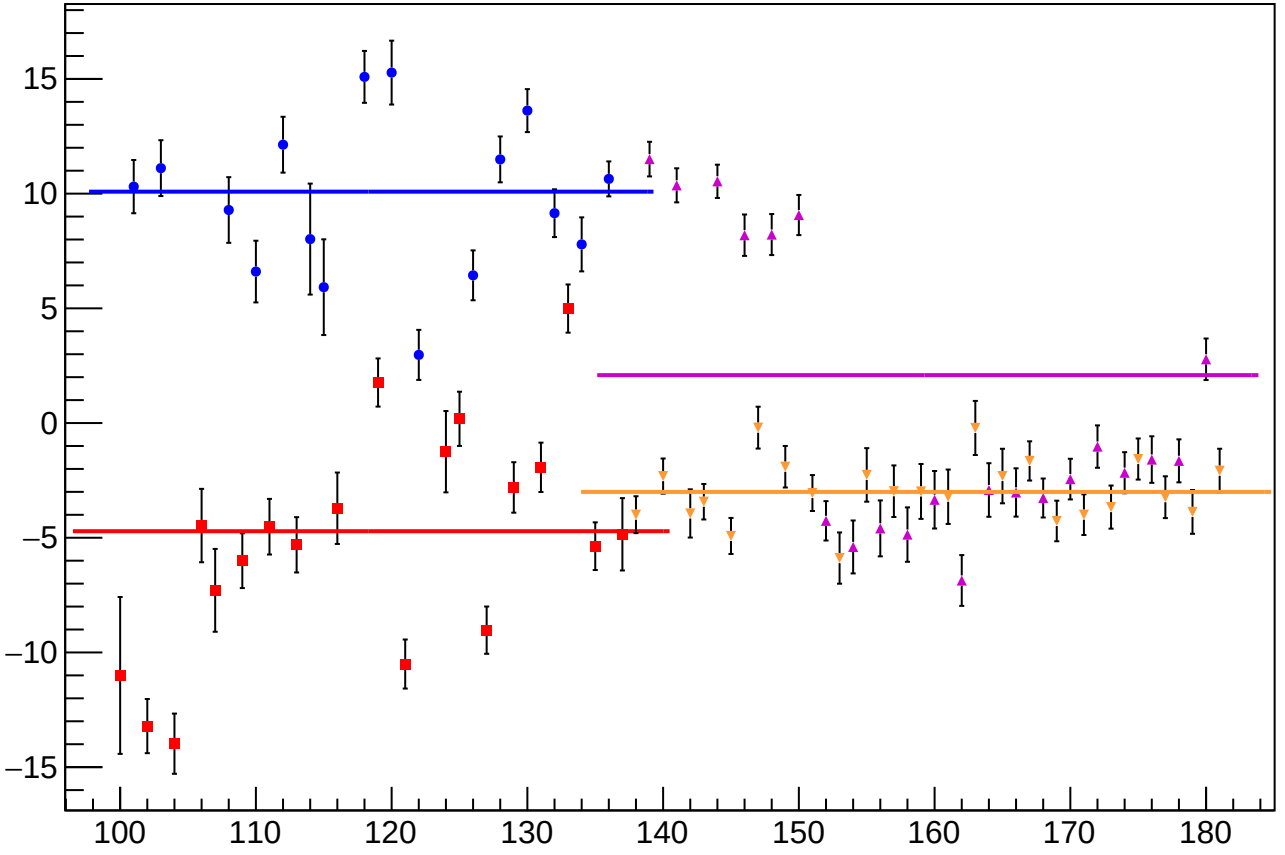
Left In: 3872.089+/-0.664 χ^2/NDF:384687.5/20

+ sign 4070.020+/-0.575 χ^2/NDF: 956684.6/38

All: 4061.352+/-0.409 χ^2/NDF: 1926297.9/78

- sign 4052.463+/-0.582 χ^2/NDF: 969153.1/39

diff_bpm2i01X_mean vs Slug



Right In: 10.086+/-0.288 χ^2/NDF: 123.9/15

Left Out: -3.002+/-0.195 χ^2/NDF:44.0/22

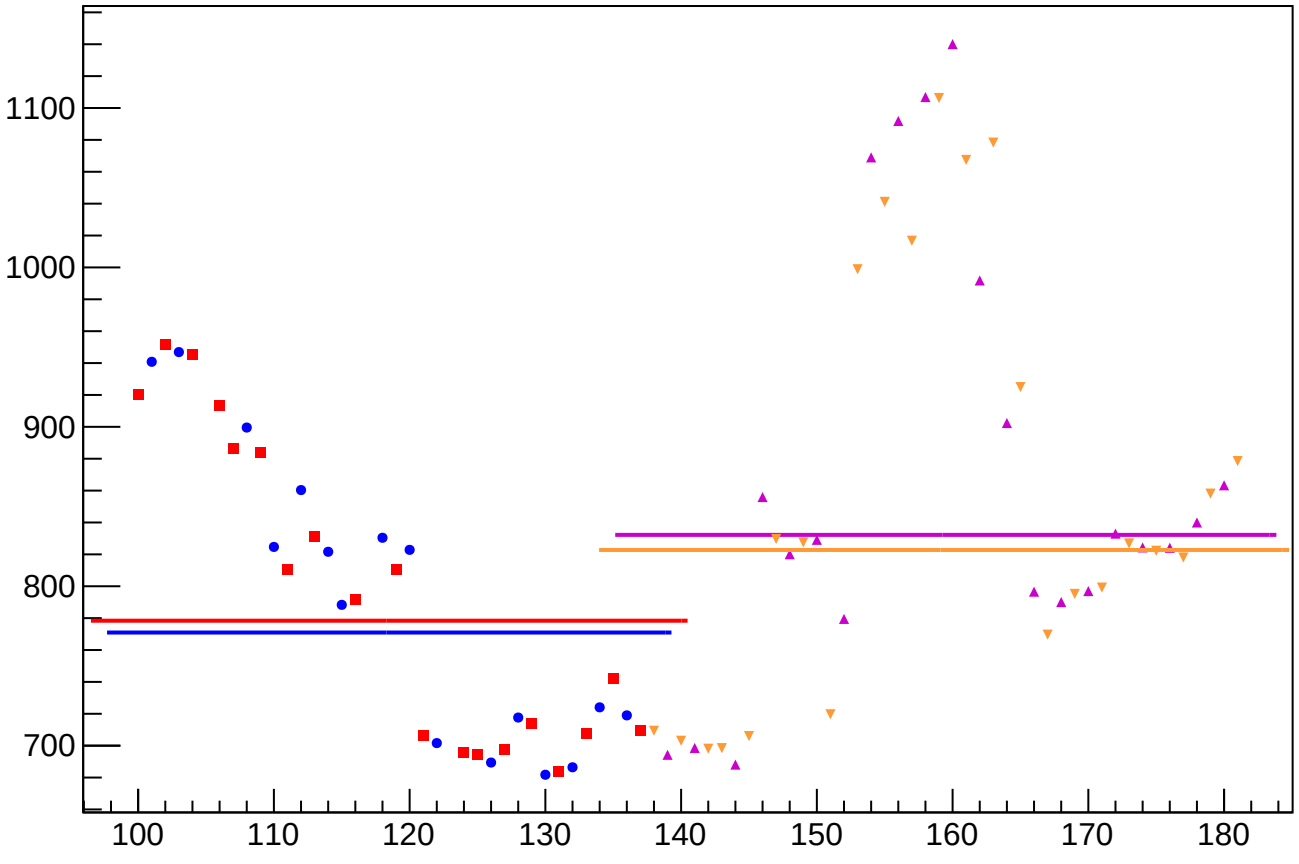
Right Out: -4.715+/-0.286 χ^2/NDF: 310.2/18

Left In: 2.088+/-0.203 χ^2/NDF:988.8/20

+ sign 1.098+/-0.161 χ^2/NDF: 1582.6/38

All: 0.468+/-0.116 χ^2/NDF: 3289.5/78

- sign -0.195+/-0.166 χ^2/NDF: 1675.6/39



Right In: 770.973+/-0.204 χ^2/NDF: 192911.9/15

Left Out: 822.767+/-0.138 χ^2/NDF:753733.5/22

Right Out: 778.394+/-0.202 χ^2/NDF: 196544.2/18

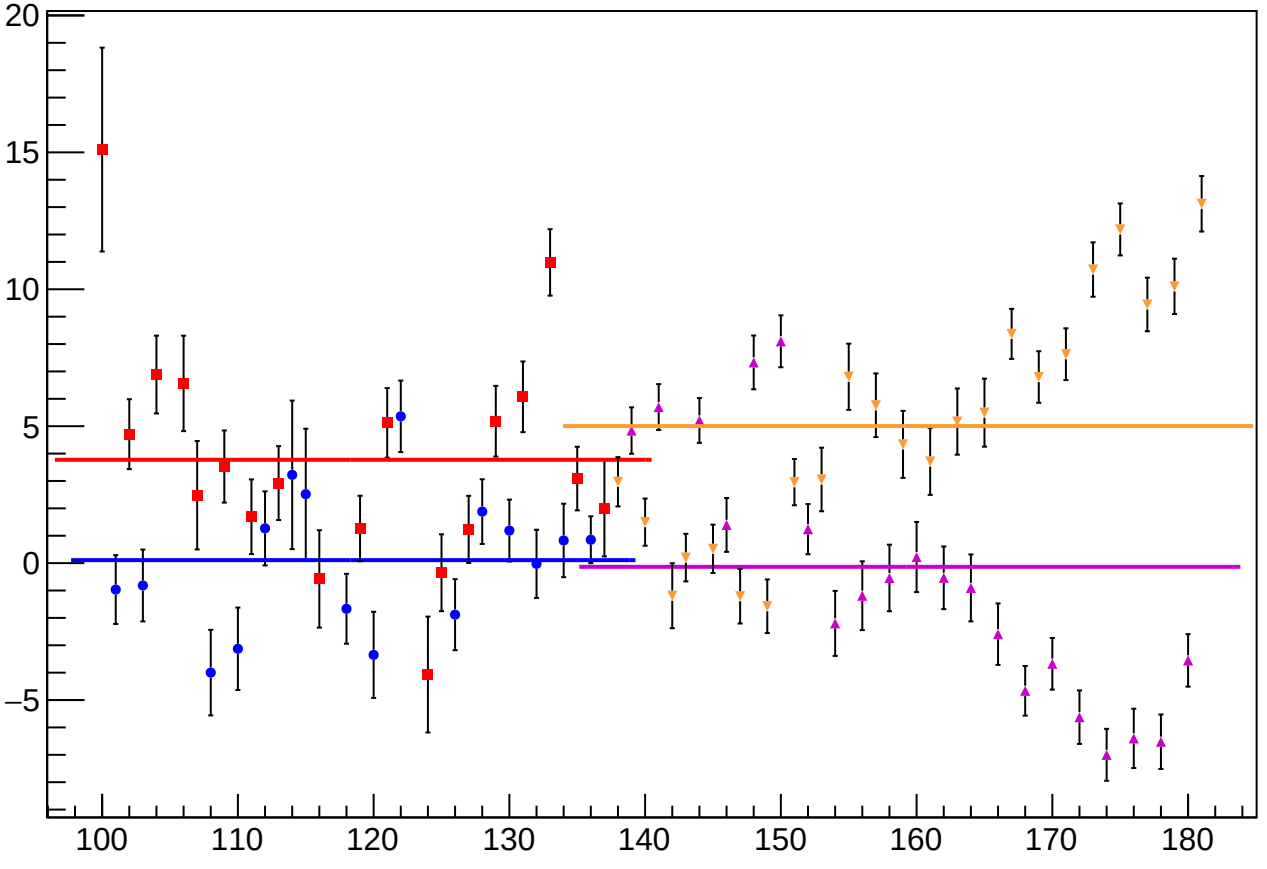
Left In: 832.226+/-0.144 χ^2/NDF:684780.2/20

+ sign 806.540+/-0.114 χ^2/NDF: 990949.8/38

All: 810.254+/-0.082 χ^2/NDF: 1921602.1/78

- sign 814.160+/-0.117 χ^2/NDF: 928480.0/39

diff_bpm2i01Y_mean vs Slug



Right In: 0.109+/-0.330 χ^2/NDF: 45.4/15

Left Out: 5.004+/-0.210 χ^2/NDF:427.5/22

Right Out: 3.774+/-0.326 χ^2/NDF: 99.6/18

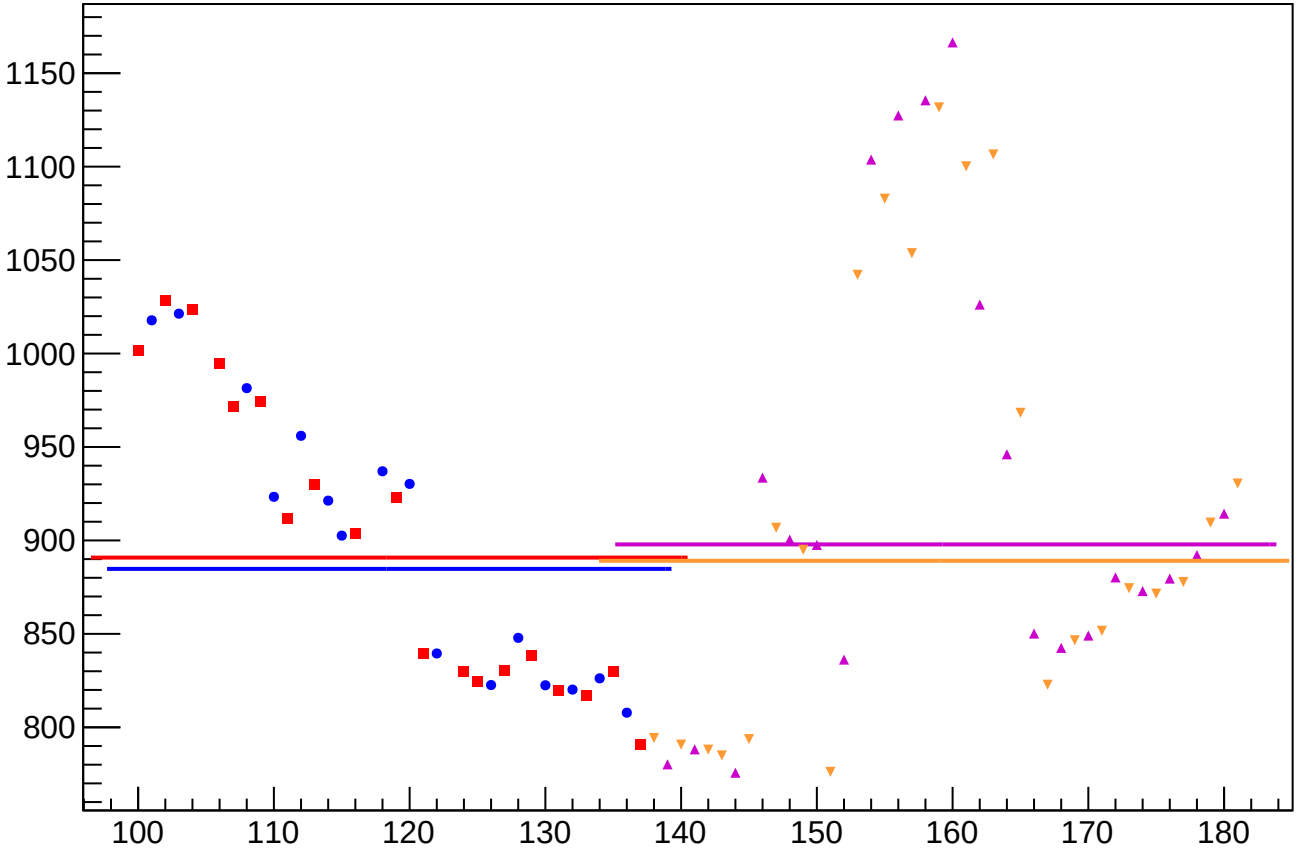
Left In: -0.135+/-0.218 χ^2/NDF:483.3/20

+ sign 3.596+/-0.177 χ^2/NDF: 629.7/38

All: 2.366+/-0.127 χ^2/NDF: 1410.8/78

- sign 1.074+/-0.181 χ^2/NDF: 682.1/39

diff_bpm2i01Y_rms vs Slug



Right In: 884.773+/-0.233 χ^2/NDF: 104494.1/15

Left Out: 889.110+/-0.148 χ^2/NDF:512180.6/22

Right Out: 890.815+/-0.231 χ^2/NDF: 107763.6/18

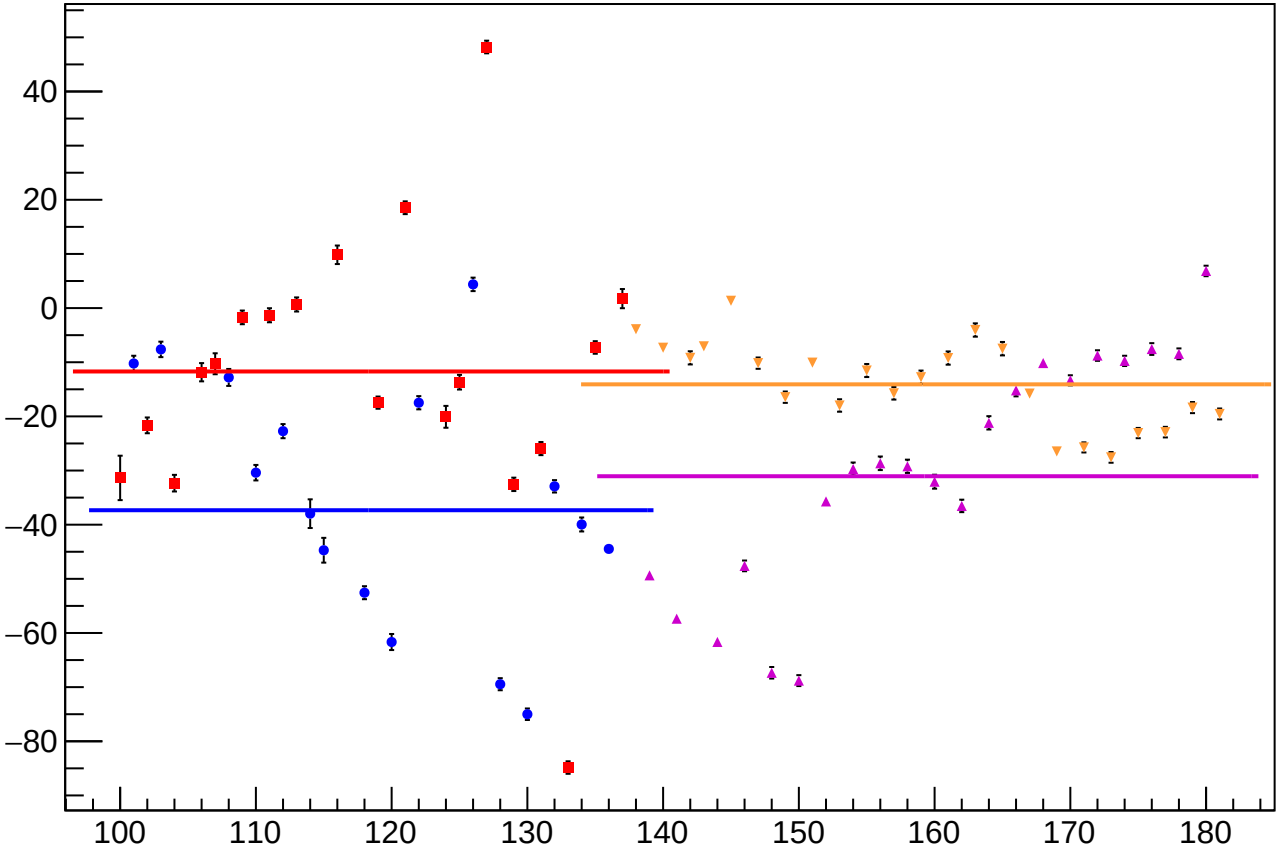
Left In: 897.874+/-0.154 χ^2/NDF:468433.8/20

+ sign 887.863+/-0.125 χ^2/NDF: 616921.0/38

All: 891.679+/-0.090 χ^2/NDF: 1195674.2/78

- sign 895.690+/-0.128 χ^2/NDF: 576844.7/39

diff_bpm2i02X_mean vs Slug



Right In: -37.330+/-0.322 χ^2/NDF: 5184.7/15

Left Out: -14.081+/-0.211 χ^2/NDF:1466.2/22

Right Out: -11.706+/-0.318 χ^2/NDF: 8463.6/18

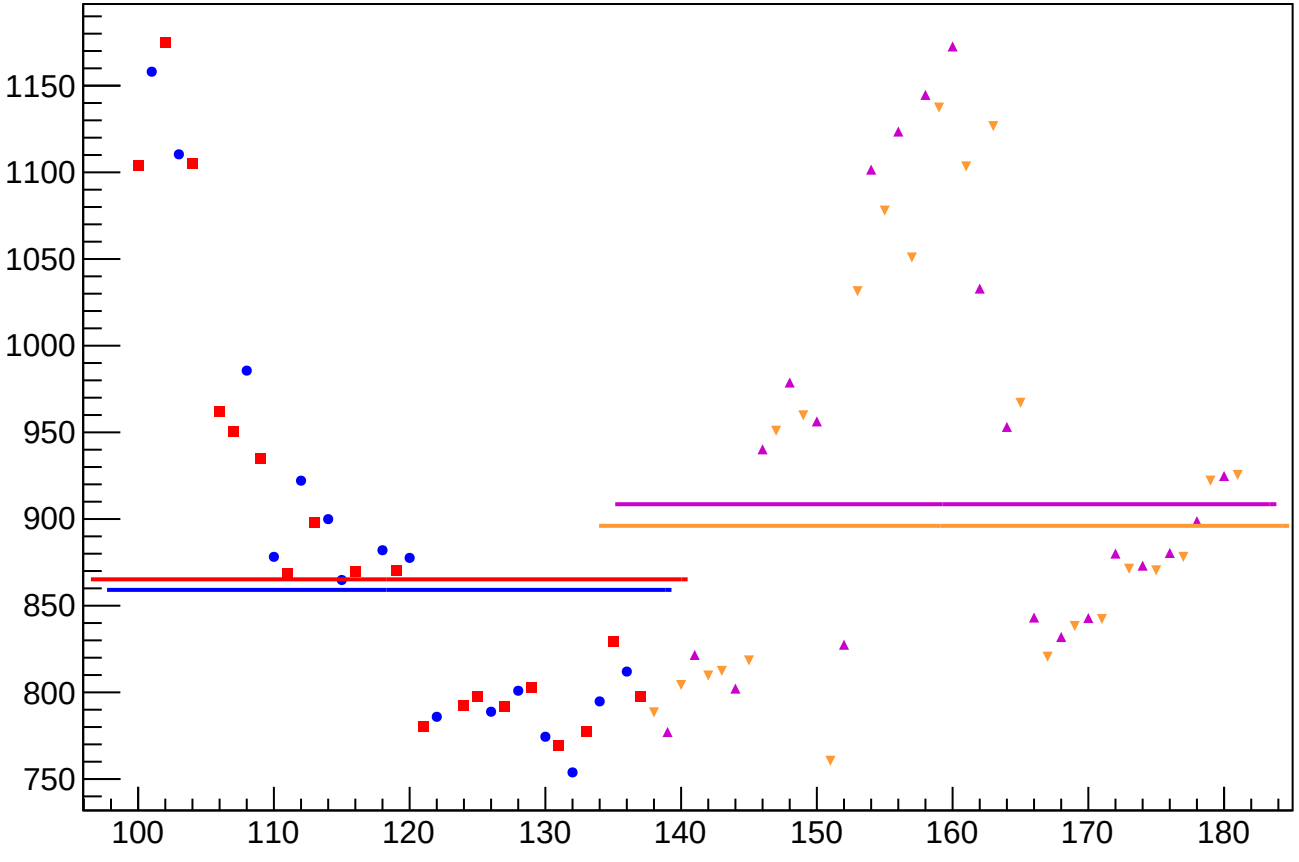
Left In: -31.052+/-0.221 χ^2/NDF:10278.3/20

+ sign -21.089+/-0.177 χ^2/NDF: 10298.7/38

All: -22.872+/-0.127 χ^2/NDF: 31747.5/78

- sign -24.753+/-0.181 χ^2/NDF: 21239.3/39

diff_bpm2i02X_rms vs Slug



Right In: 859.126+/-0.228 χ^2/NDF: 228710.0/15

Left Out: 896.076+/-0.149 χ^2/NDF:513757.9/22

Right Out: 865.213+/-0.225 χ^2/NDF: 223669.1/18

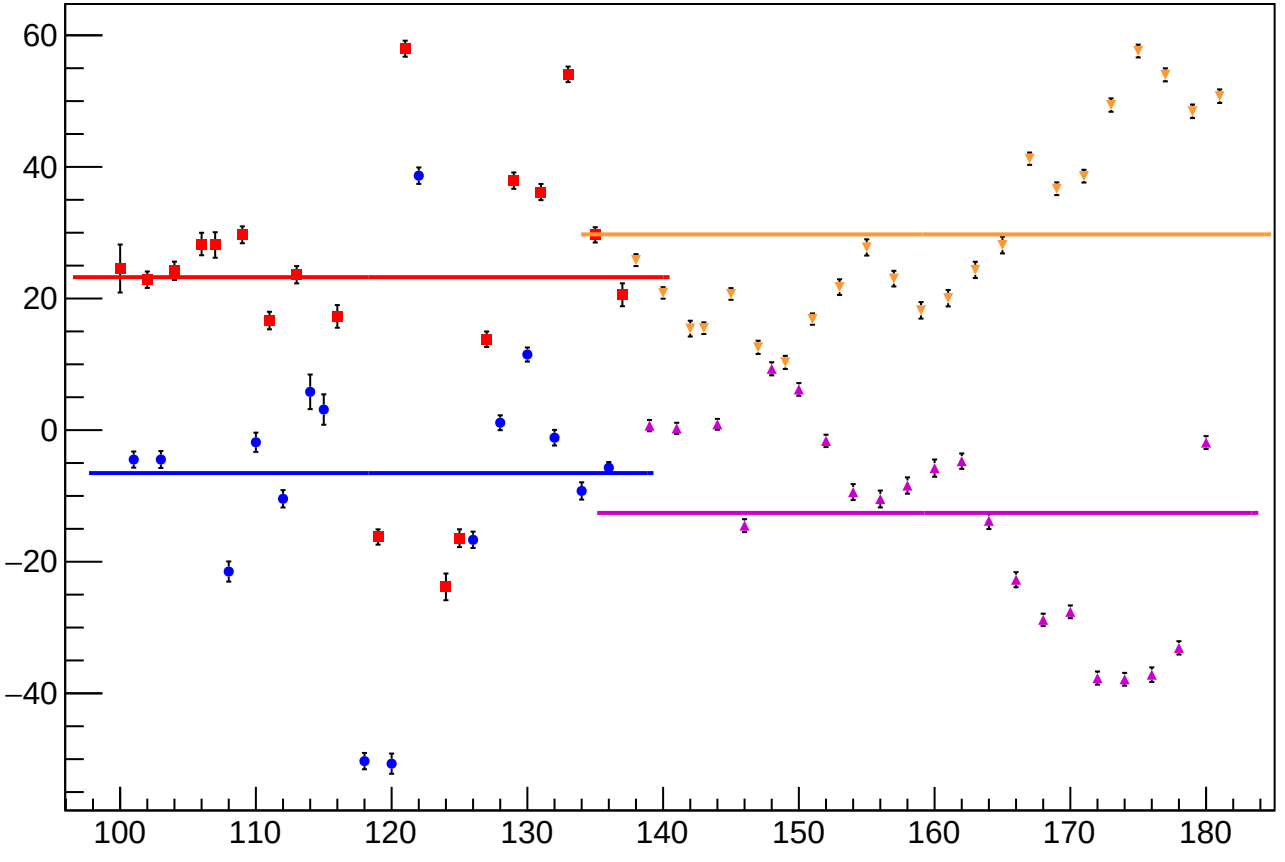
Left In: 908.538+/-0.156 χ^2/NDF:464949.4/20

+ sign 884.939+/-0.125 χ^2/NDF: 760896.0/38

All: 889.559+/-0.089 χ^2/NDF: 1477376.6/78

- sign 894.432+/-0.128 χ^2/NDF: 713669.0/39

diff_bpm2i02Y_mean vs Slug



Right In: -6.529+/-0.321 χ^2/NDF: 3946.1/15

Left Out: 29.747+/-0.214 χ^2/NDF:4566.9/22

Right Out: 23.244+/-0.317 χ^2/NDF: 4470.0/18

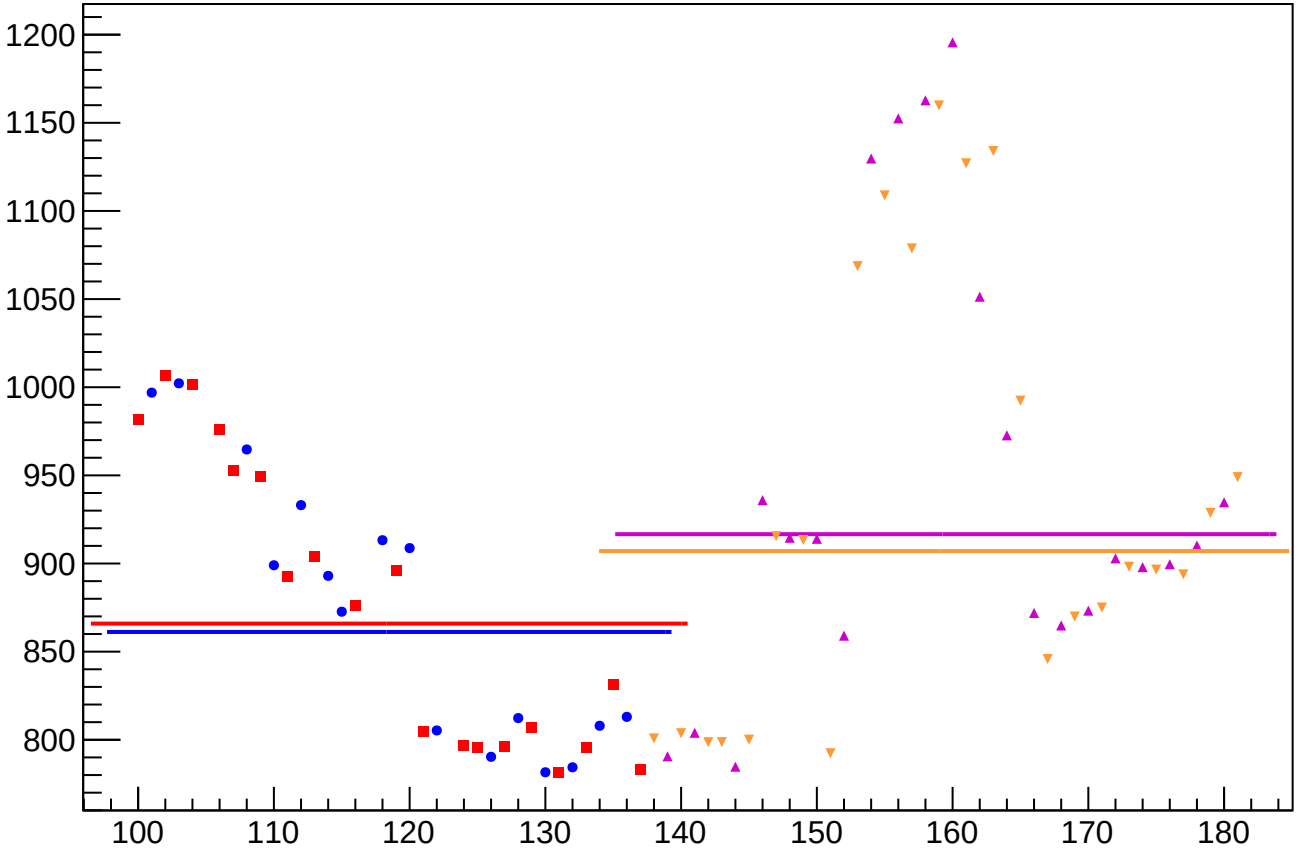
Left In: -12.578+/-0.223 χ^2/NDF:4764.1/20

+ sign 18.600+/-0.178 χ^2/NDF: 17349.1/38

All: 9.162+/-0.127 χ^2/NDF: 40884.1/78

- sign -0.732+/-0.182 χ^2/NDF: 17779.8/39

diff_bpm2i02Y_rms vs Slug



Right In: 861.169+/-0.227 χ^2/NDF: 113529.7/15

Left Out: 907.059+/-0.151 χ^2/NDF:535786.1/22

Right Out: 865.907+/-0.224 χ^2/NDF: 118418.0/18

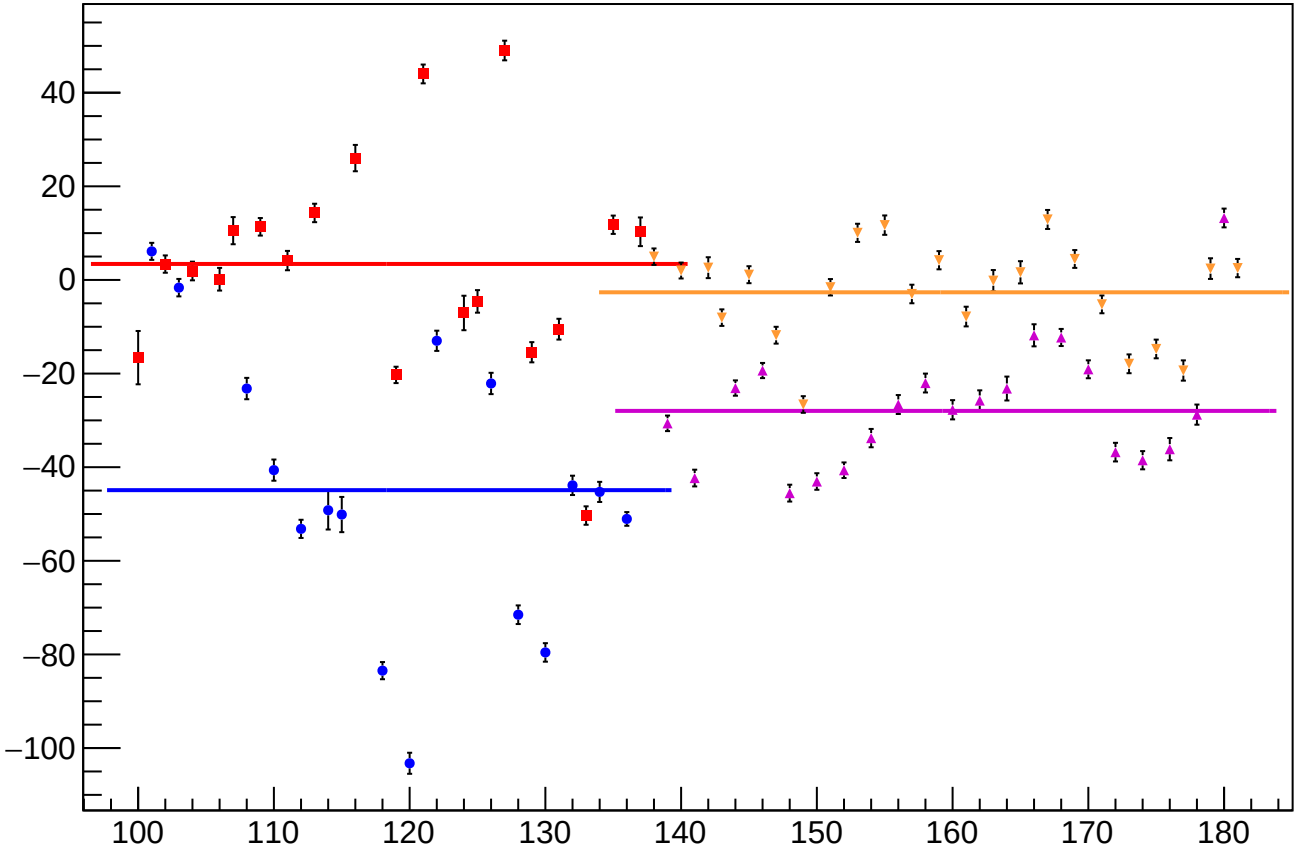
Left In: 916.646+/-0.158 χ^2/NDF:480551.7/20

+ sign 892.957+/-0.126 χ^2/NDF: 677595.3/38

All: 896.330+/-0.090 χ^2/NDF: 1312324.7/78

- sign 899.867+/-0.129 χ^2/NDF: 633258.8/39

diff_bpm0i02X_mean vs Slug



Right In: -44.905+/-0.520 χ^2/NDF: 3377.6/15

Left Out: -2.639+/-0.407 χ^2/NDF:608.3/22

Right Out: 3.416+/-0.509 χ^2/NDF: 2102.1/18

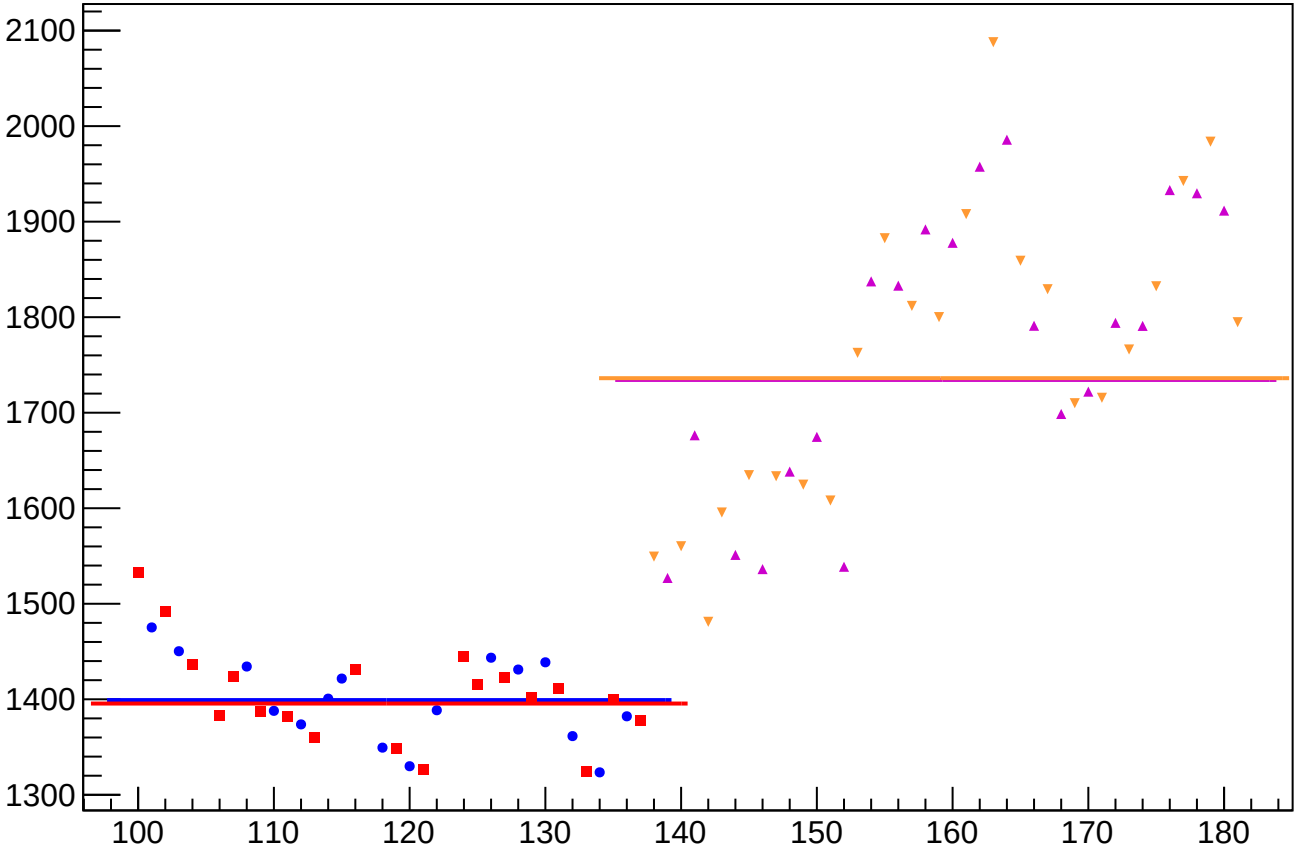
Left In: -27.974+/-0.420 χ^2/NDF:978.1/20

+ sign -18.702+/-0.321 χ^2/NDF: 8083.2/38

All: -17.008+/-0.228 χ^2/NDF: 13483.6/78

- sign -15.279+/-0.324 χ^2/NDF: 5343.9/39

diff_bpm0i02X_rms vs Slug



Right In: 1399.172+/-0.368 χ^2/NDF: 14844.1/15

Left Out: 1736.141+/-0.288 χ^2/NDF:251209.3/22

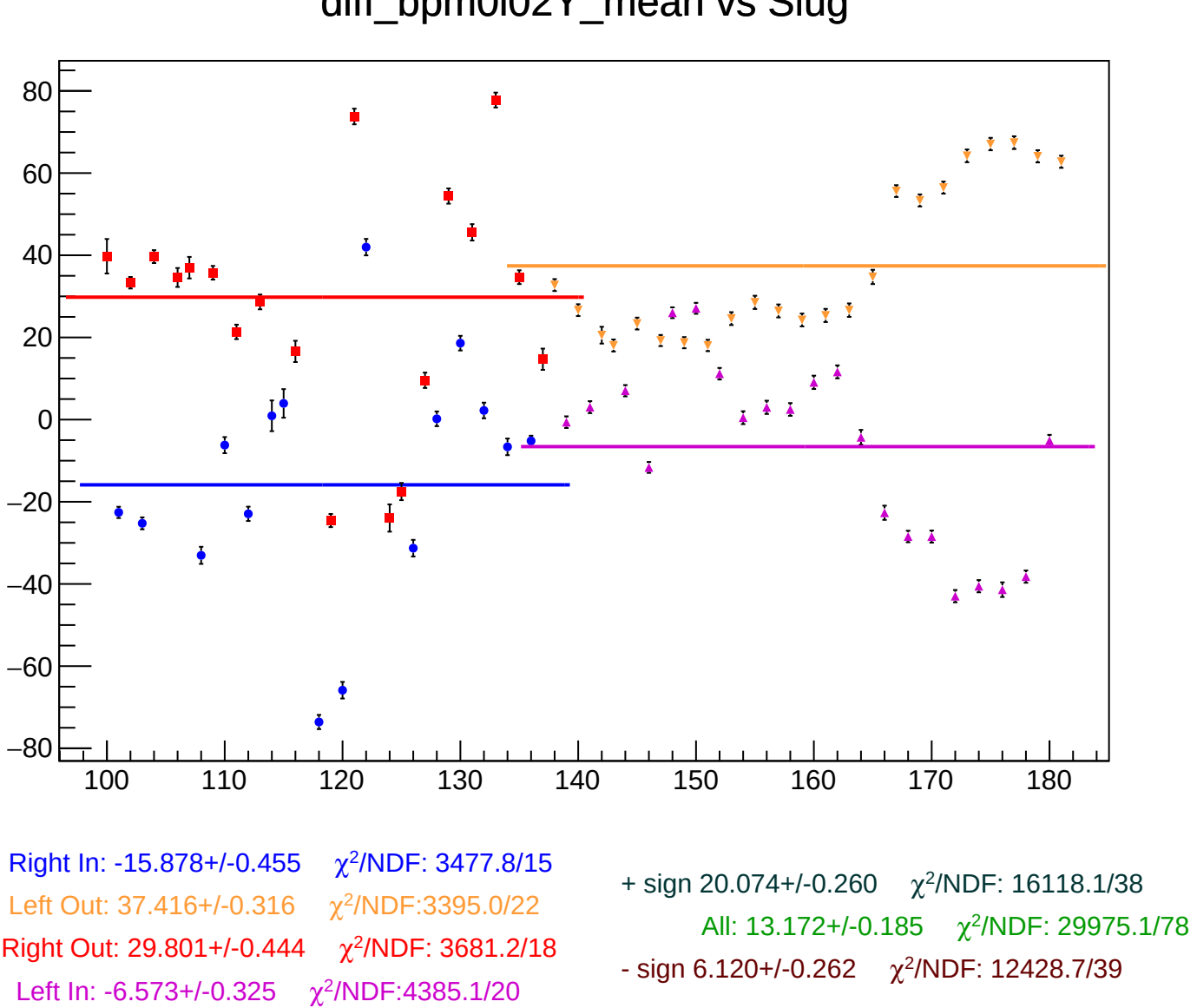
Right Out: 1395.546+/-0.360 χ^2/NDF: 16240.9/18

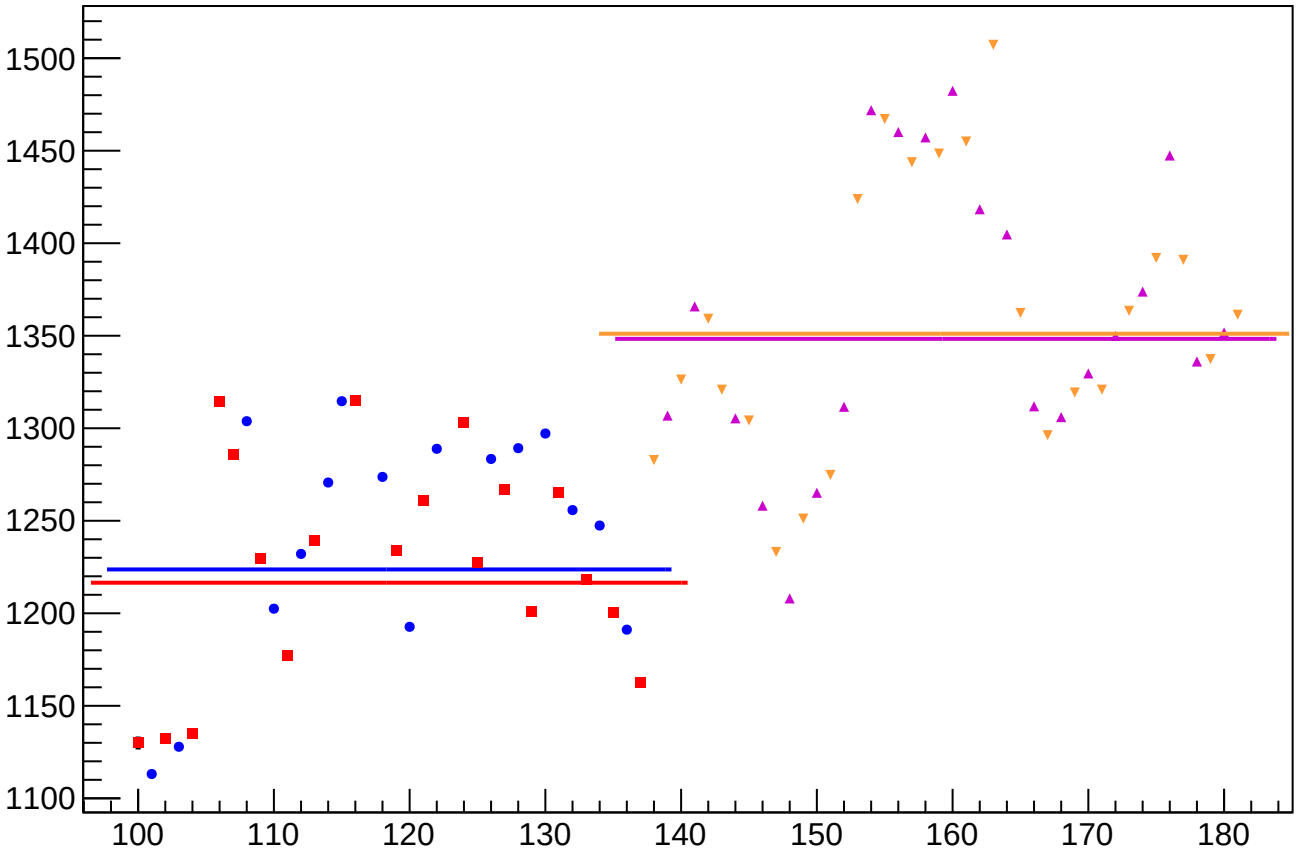
Left In: 1734.327+/-0.297 χ^2/NDF:247951.9/20

+ sign 1608.073+/-0.227 χ^2/NDF: 786916.9/38

All: 1602.748+/-0.161 χ^2/NDF: 1579577.5/78

- sign 1597.314+/-0.229 χ^2/NDF: 791545.5/39


diff_bpm0i02Y_mean vs Slug
80
60
40
20
0
−20
−40
−60
−80
100
110
120
130
140
150
160
170
180
Right In: -15.878+/-0.455 χ²/NDF: 3477.8/15
Left Out: 37.416+/-0.316 χ²/NDF:3395.0/22
Right Out: 29.801+/-0.444 χ²/NDF: 3681.2/18
Left In: -6.573+/-0.325 χ²/NDF:4385.1/20
+ sign 20.074+/-0.260 χ²/NDF: 16118.1/38
All: 13.172+/-0.185 χ²/NDF: 29975.1/78
- sign 6.120+/-0.262 χ²/NDF: 12428.7/39



Right In: 1223.702+/-0.322 χ^2/NDF: 40883.8/15

Left Out: 1351.084+/-0.224 χ^2/NDF:103541.2/22

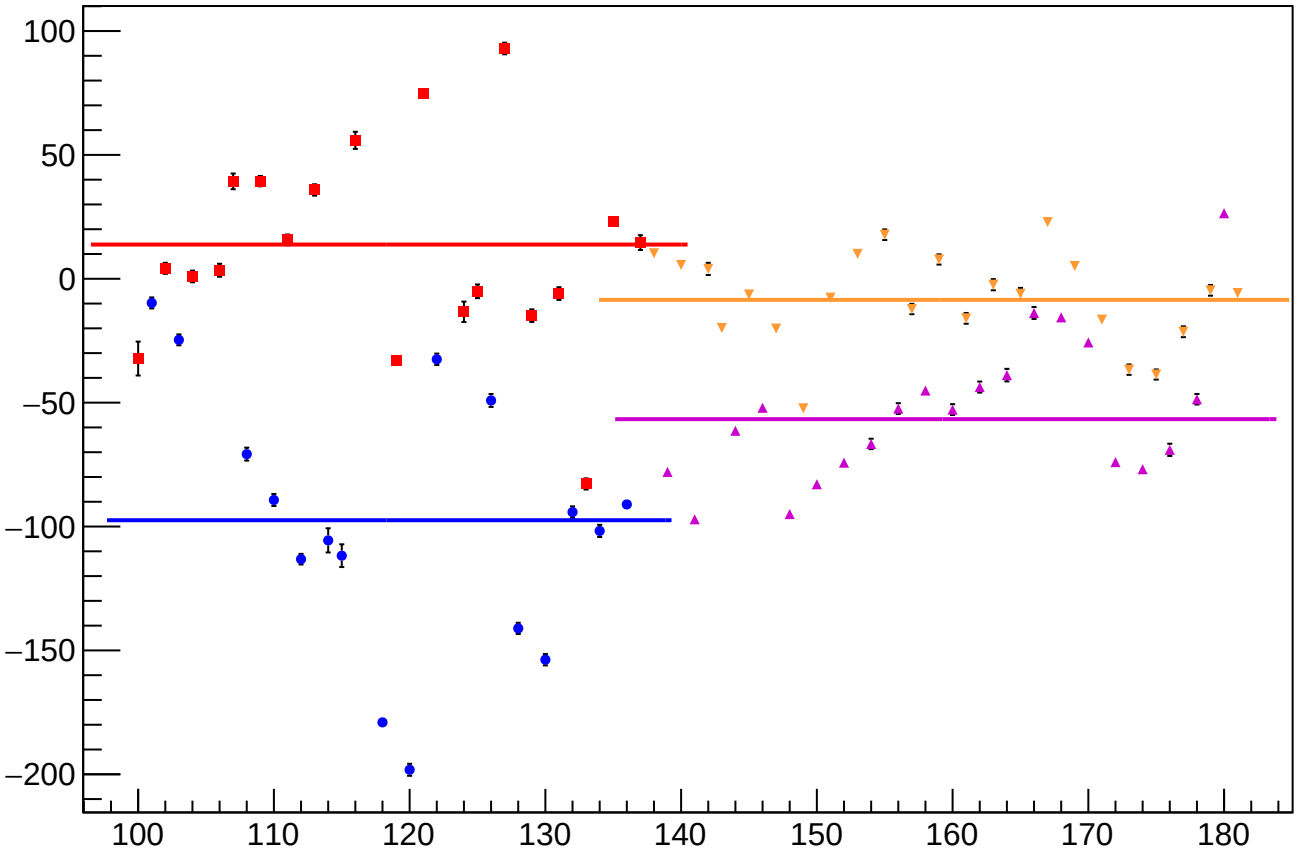
Right Out: 1216.533+/-0.314 χ^2/NDF: 29381.0/18

Left In: 1348.312+/-0.230 χ^2/NDF:106305.2/20

+ sign 1309.635+/-0.184 χ^2/NDF: 250061.3/38

All: 1306.020+/-0.131 χ^2/NDF: 501047.7/78

- sign 1302.327+/-0.186 χ^2/NDF: 250203.0/39



Right In: -97.455+/-0.579 χ^2/NDF: 8300.2/15

Left Out: -8.508+/-0.417 χ^2/NDF:1936.4/22

Right Out: 13.816+/-0.566 χ^2/NDF: 5352.2/18

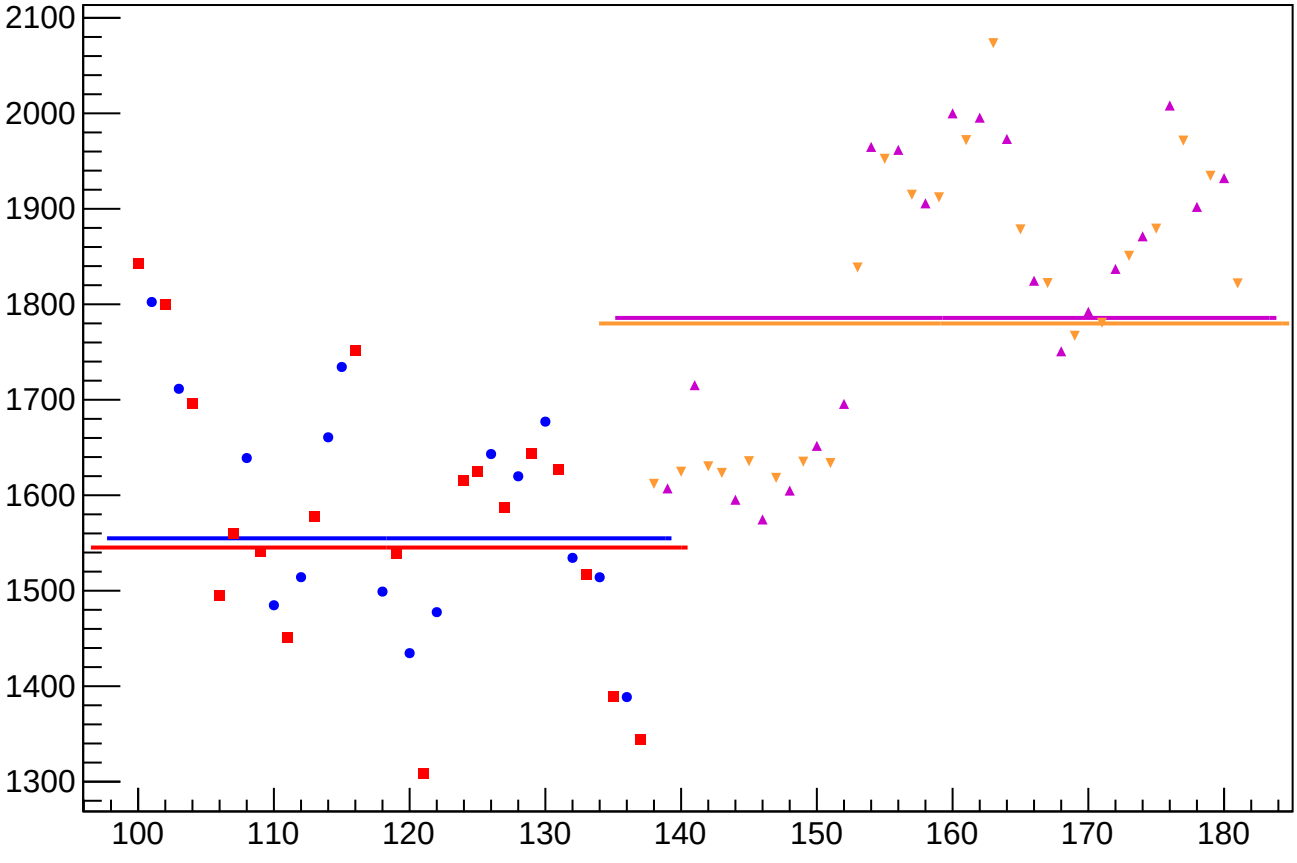
Left In: -56.656+/-0.432 χ^2/NDF:4522.2/20

+ sign -38.888+/-0.339 χ^2/NDF: 25753.3/38

All: -34.856+/-0.241 χ^2/NDF: 45722.2/78

- sign -30.713+/-0.343 χ^2/NDF: 19681.5/39

diff_bpm0i02aX_rms vs Slug



Right In: 1554.908+/-0.410 χ^2/NDF: 87920.1/15

Left Out: 1779.918+/-0.295 χ^2/NDF:228691.1/22

Right Out: 1545.239+/-0.400 χ^2/NDF: 108789.4/18

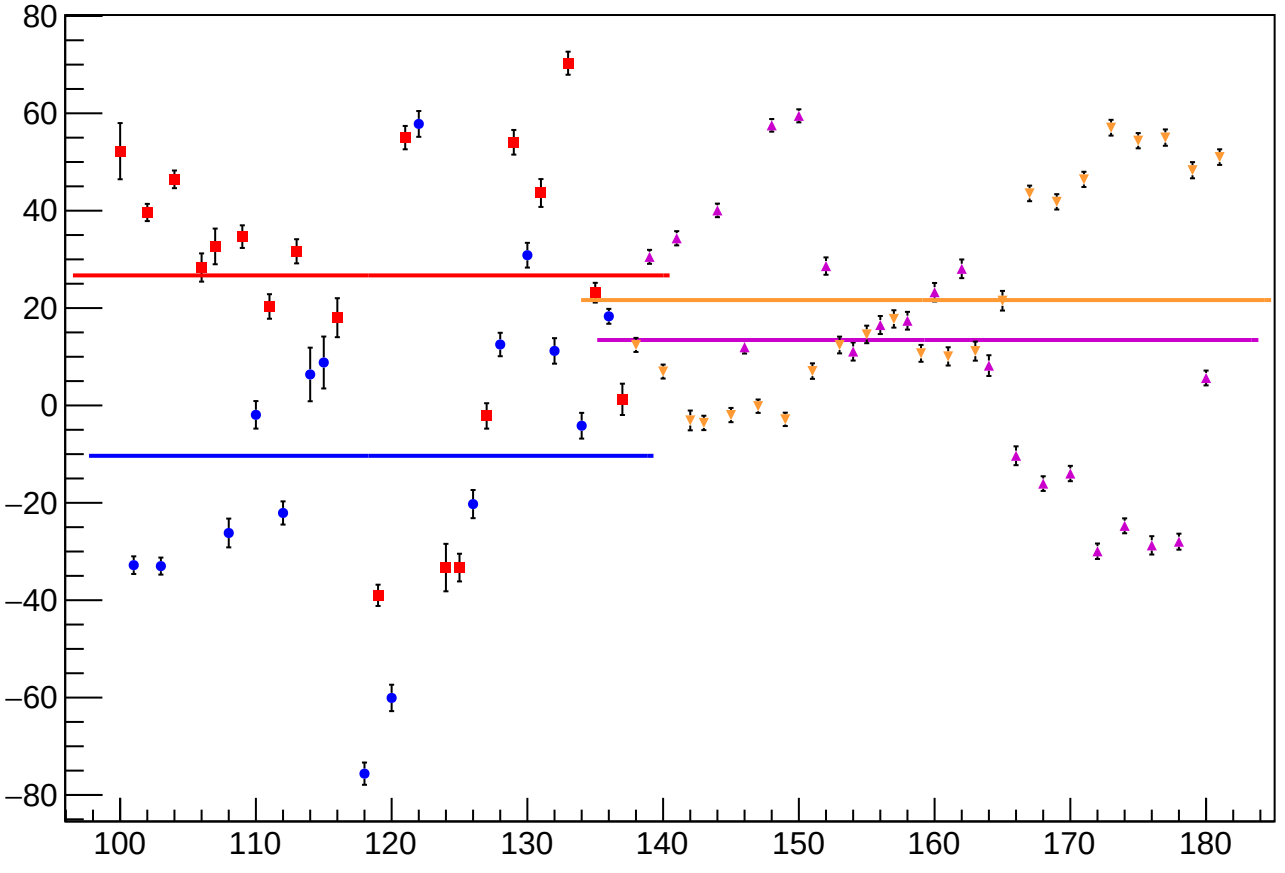
Left In: 1785.744+/-0.305 χ^2/NDF:241034.2/20

+ sign 1703.066+/-0.239 χ^2/NDF: 515203.7/38

All: 1700.175+/-0.170 χ^2/NDF: 1093765.9/78

- sign 1697.206+/-0.243 χ^2/NDF: 578266.9/39

diff_bpm0i02aY_mean vs Slug



Right In: -10.345+/-0.603 χ^2/NDF: 3007.0/15

Left Out: 21.642+/-0.338 χ^2/NDF:4159.4/22

Right Out: 26.709+/-0.586 χ^2/NDF: 2540.7/18

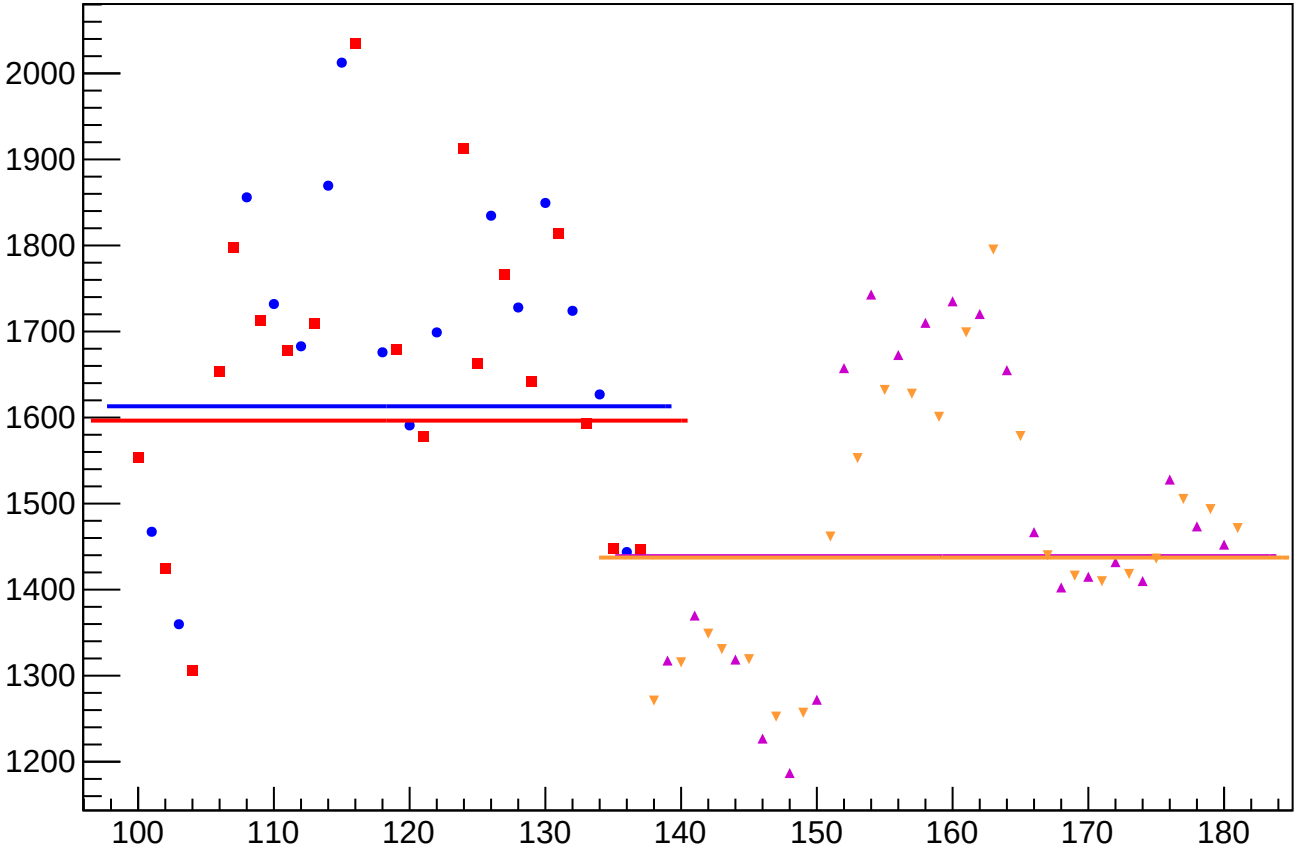
Left In: 13.442+/-0.349 χ^2/NDF:6583.5/20

+ sign 14.007+/-0.295 χ^2/NDF: 9307.6/38

All: 15.435+/-0.210 χ^2/NDF: 18857.6/78

- sign 16.917+/-0.300 χ^2/NDF: 9502.1/39

diff_bpm0i02aY_rms vs Slug



Right In: 1613.094+/-0.426 χ^2/NDF: 154710.6/15

Left Out: 1437.277+/-0.239 χ^2/NDF:335766.4/22

Right Out: 1596.442+/-0.415 χ^2/NDF: 160714.8/18

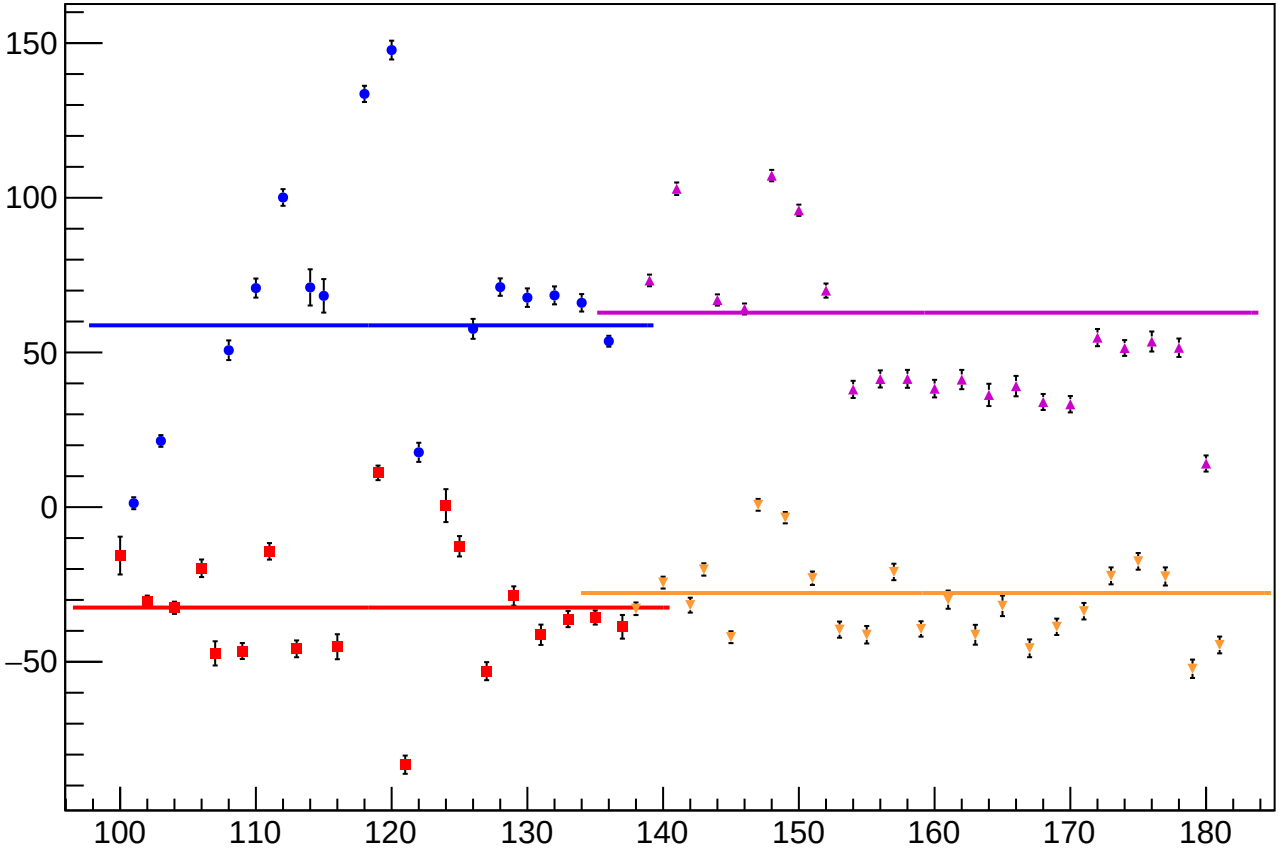
Left In: 1438.943+/-0.247 χ^2/NDF:473762.3/20

+ sign 1479.243+/-0.208 χ^2/NDF: 619861.1/38

All: 1479.709+/-0.149 χ^2/NDF: 1360854.4/78

- sign 1480.192+/-0.212 χ^2/NDF: 740983.1/39

diff_bpm0i05X_mean vs Slug



Right In: 58.761+/-0.672 χ^2/NDF: 3443.3/15

Left Out: -27.766+/-0.506 χ^2/NDF:765.4/22

Right Out: -32.467+/-0.648 χ^2/NDF: 930.8/18

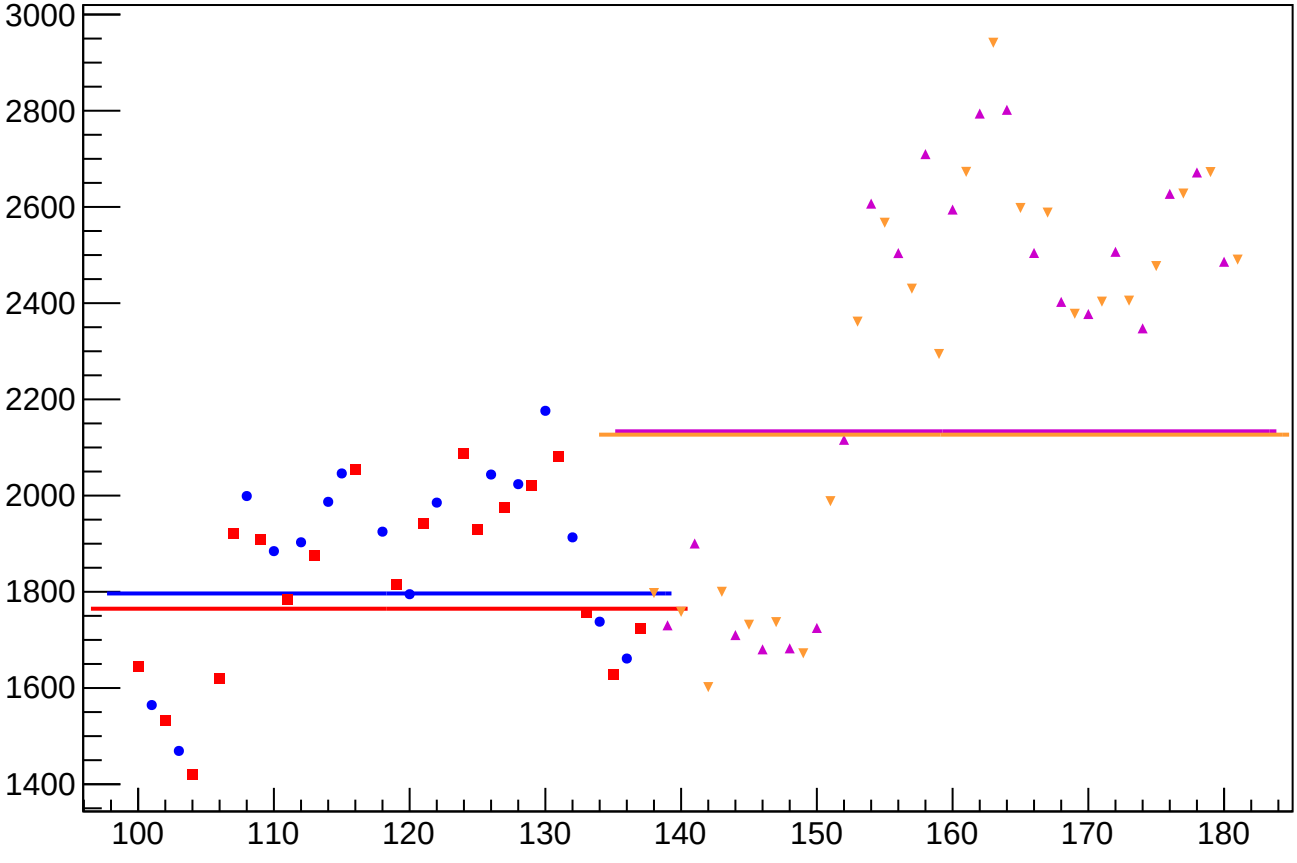
Left In: 62.860+/-0.524 χ^2/NDF:2417.3/20

+ sign 3.509+/-0.404 χ^2/NDF: 14781.4/38

All: 14.264+/-0.287 χ^2/NDF: 32629.6/78

- sign 25.196+/-0.408 χ^2/NDF: 16421.0/39

diff_bpm0i05X_rms vs Slug



Right In: 1796.555+/-0.475 χ^2/NDF: 193171.9/15

Left Out: 2126.668+/-0.358 χ^2/NDF:1217523.9/22

Right Out: 1764.860+/-0.459 χ^2/NDF: 189987.9/18

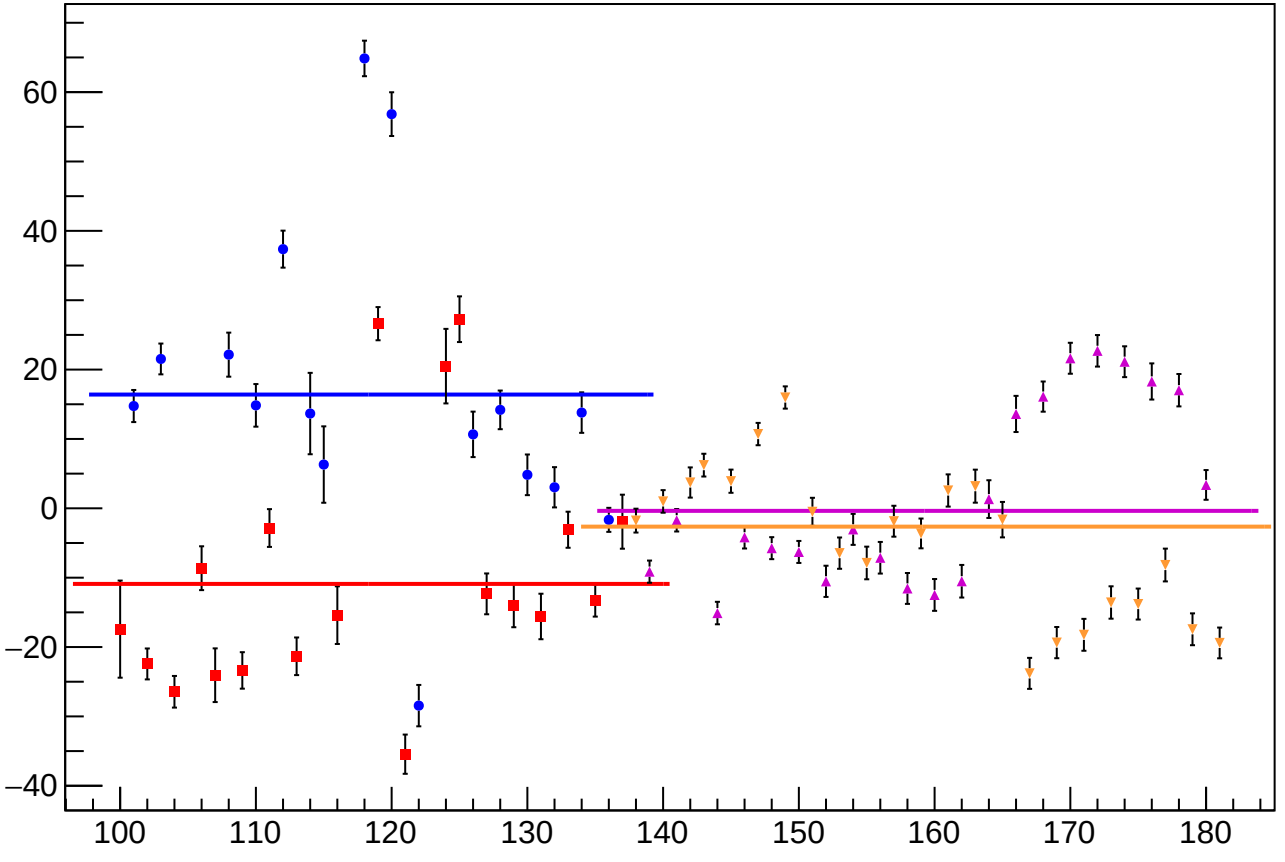
Left In: 2133.602+/-0.371 χ^2/NDF:1225588.6/20

+ sign 2007.351+/-0.286 χ^2/NDF: 1718471.4/38

All: 1997.710+/-0.203 χ^2/NDF: 3527558.8/78

- sign 1987.912+/-0.288 χ^2/NDF: 1806794.3/39

diff_bpm0i05Y_mean vs Slug



Right In: 16.400+/-0.695 χ^2/NDF: 973.0/15

Left Out: -2.641+/-0.425 χ^2/NDF:623.9/22

Right Out: -10.899+/-0.676 χ^2/NDF: 641.7/18

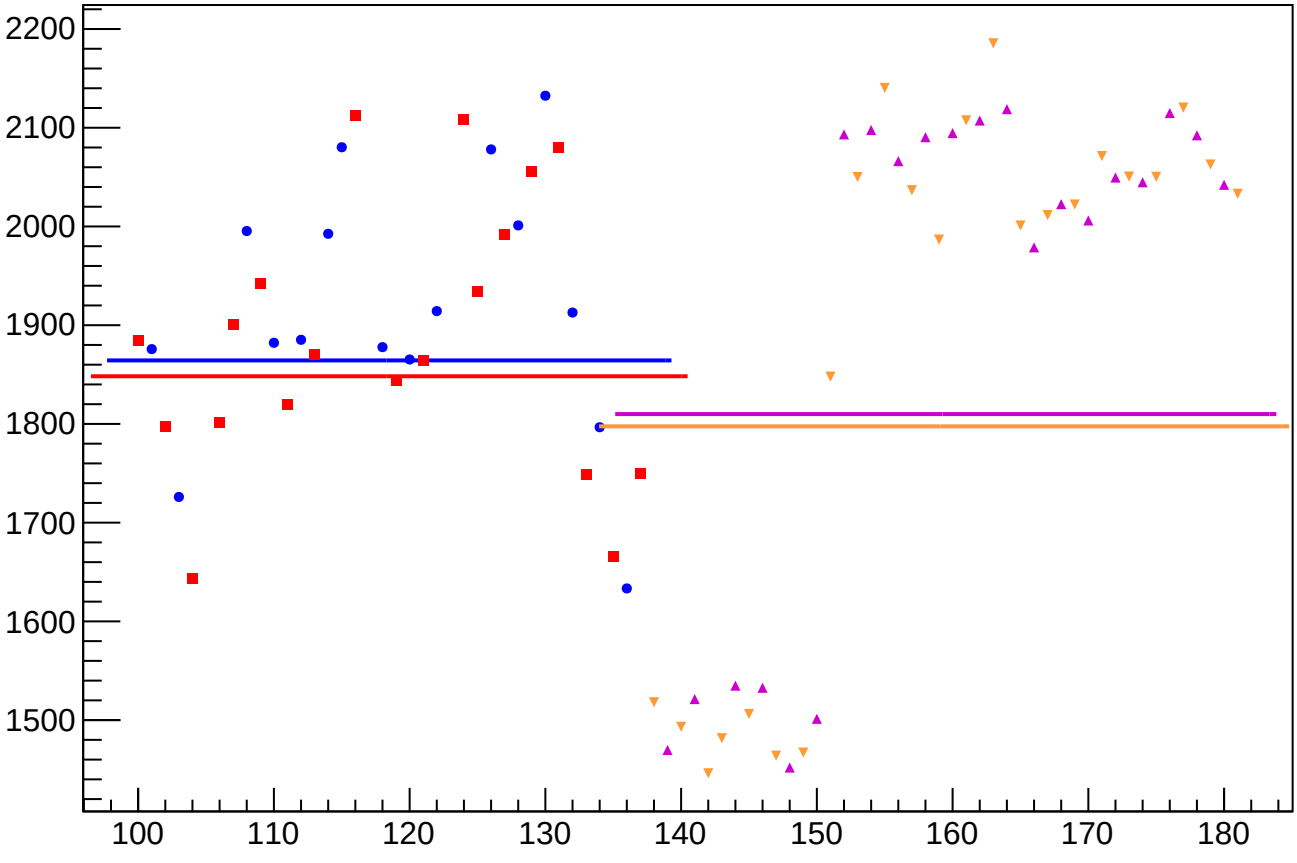
Left In: -0.368+/-0.441 χ^2/NDF:736.7/20

+ sign 2.549+/-0.363 χ^2/NDF: 2142.9/38

All: -0.426+/-0.259 χ^2/NDF: 3828.4/78

- sign -3.514+/-0.370 χ^2/NDF: 1548.5/39

diff_bpm0i05Y_rms vs Slug



Right In: 1864.335+/-0.491 χ^2/NDF: 83311.5/15

Left Out: 1797.571+/-0.301 χ^2/NDF:891223.0/22

Right Out: 1848.284+/-0.478 χ^2/NDF: 74956.9/18

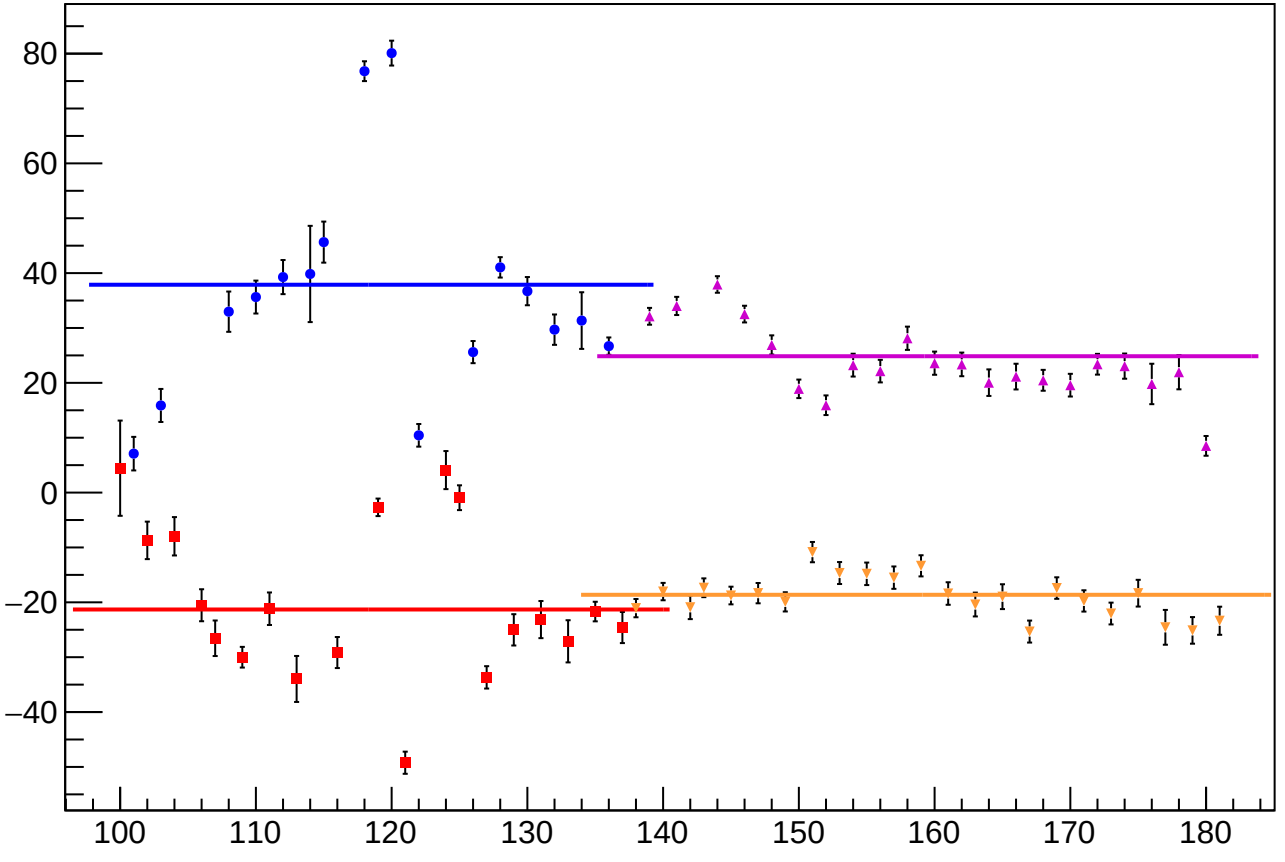
Left In: 1809.988+/-0.312 χ^2/NDF:826439.2/20

+ sign 1815.767+/-0.257 χ^2/NDF: 987961.9/38

All: 1818.545+/-0.183 χ^2/NDF: 1894094.9/78

- sign 1821.428+/-0.261 χ^2/NDF: 905894.0/39

diff_bpm0i07X_mean vs Slug



Right In: 37.880+/-0.622 χ^2/NDF: 1249.8/15

Left Out: -18.627+/-0.413 χ^2/NDF:69.1/22

Right Out: -21.306+/-0.593 χ^2/NDF: 582.6/18

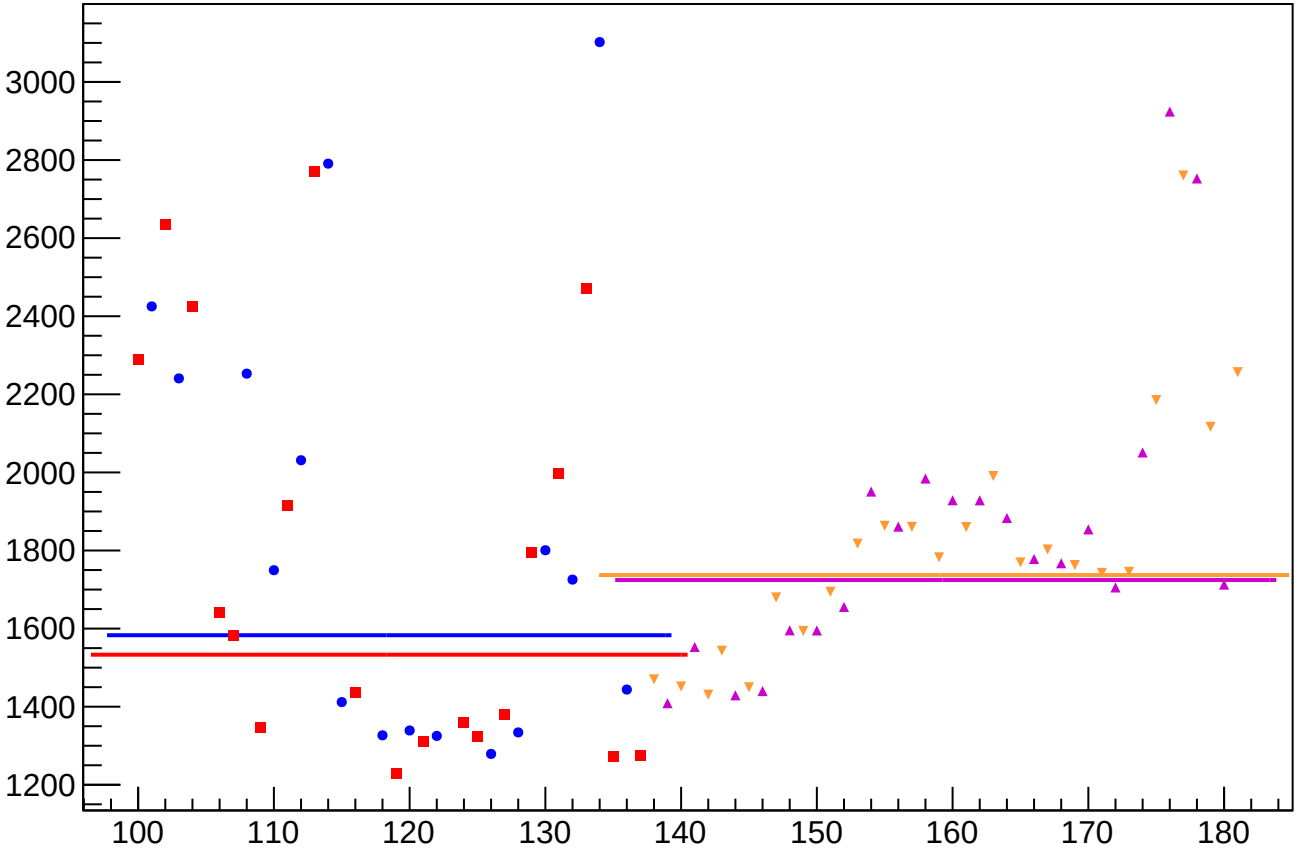
Left In: 24.852+/-0.423 χ^2/NDF:302.7/20

+ sign -1.368+/-0.344 χ^2/NDF: 7044.8/38

All: 3.964+/-0.243 χ^2/NDF: 12429.4/78

- sign 9.302+/-0.344 χ^2/NDF: 4903.8/39

diff_bpm0i07X_rms vs Slug



Right In: 1583.050+/-0.440 χ^2/NDF: 787672.4/15

Left Out: 1737.053+/-0.292 χ^2/NDF:726244.5/22

Right Out: 1533.190+/-0.419 χ^2/NDF: 950777.4/18

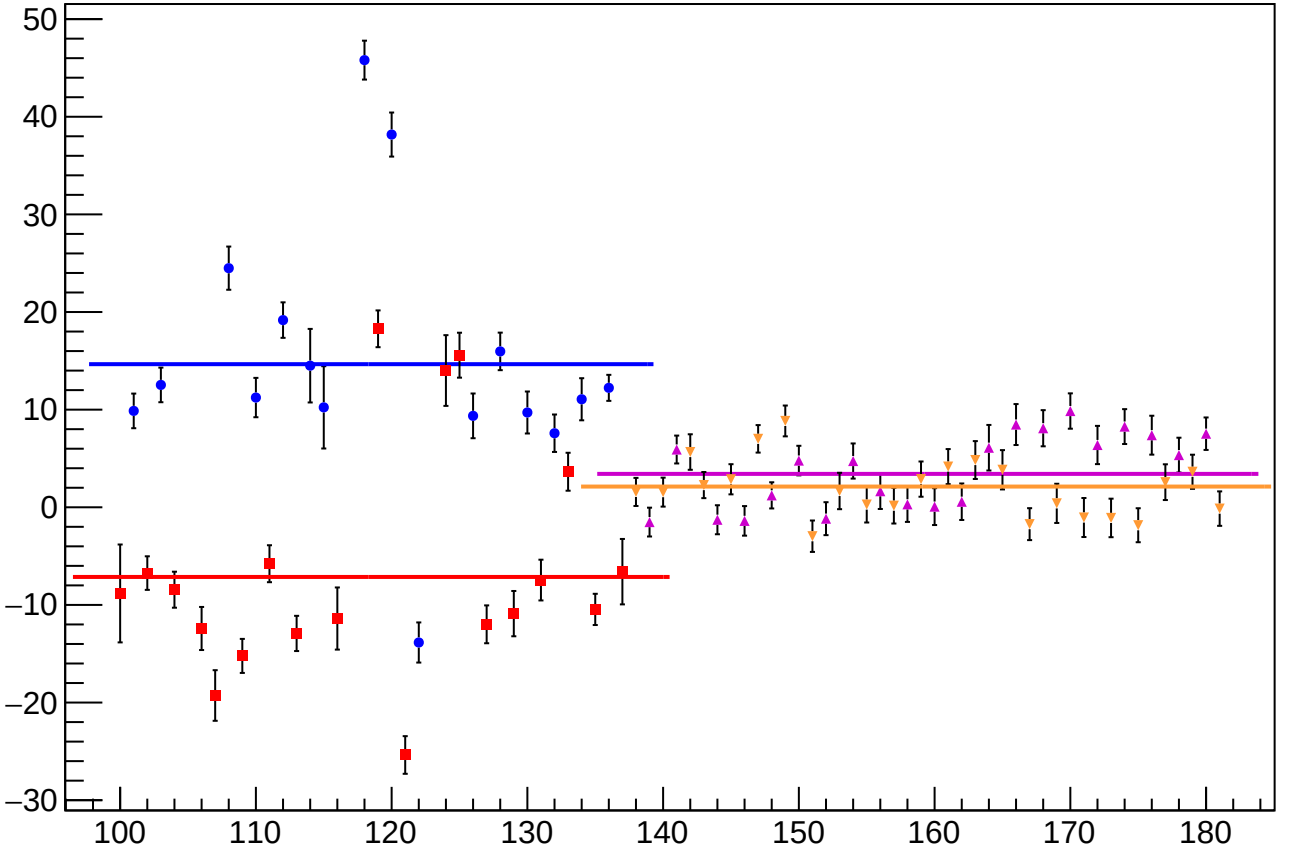
Left In: 1724.418+/-0.299 χ^2/NDF:865961.5/20

+ sign 1690.015+/-0.243 χ^2/NDF: 1598974.6/38

All: 1675.013+/-0.172 χ^2/NDF: 3561270.6/78

- sign 1659.993+/-0.243 χ^2/NDF: 1954682.1/39

diff_bpm0i07Y_mean vs Slug



Right In: 14.658+/-0.504 χ^2/NDF: 614.8/15

Left Out: 2.123+/-0.355 χ^2/NDF:69.9/22

Right Out: -7.135+/-0.483 χ^2/NDF: 509.4/18

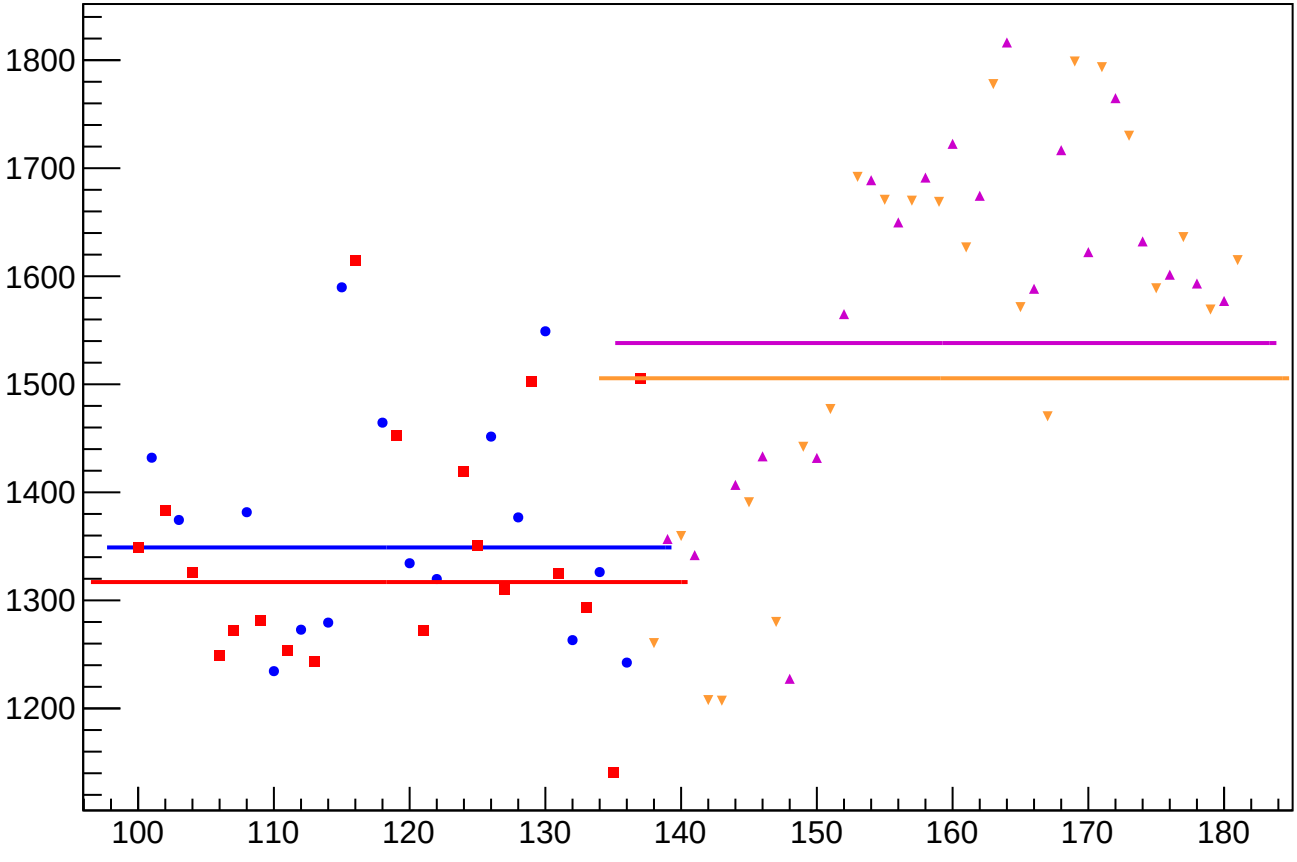
Left In: 3.421+/-0.373 χ^2/NDF:102.2/20

+ sign 6.276+/-0.290 χ^2/NDF: 1097.5/38

All: 2.934+/-0.207 χ^2/NDF: 2277.6/78

- sign -0.524+/-0.295 χ^2/NDF: 910.6/39

diff_bpm0i07Y_rms vs Slug



Right In: 1349.000+/-0.357 χ^2/NDF: 68383.7/15

Left Out: 1505.580+/-0.251 χ^2/NDF:552255.7/22

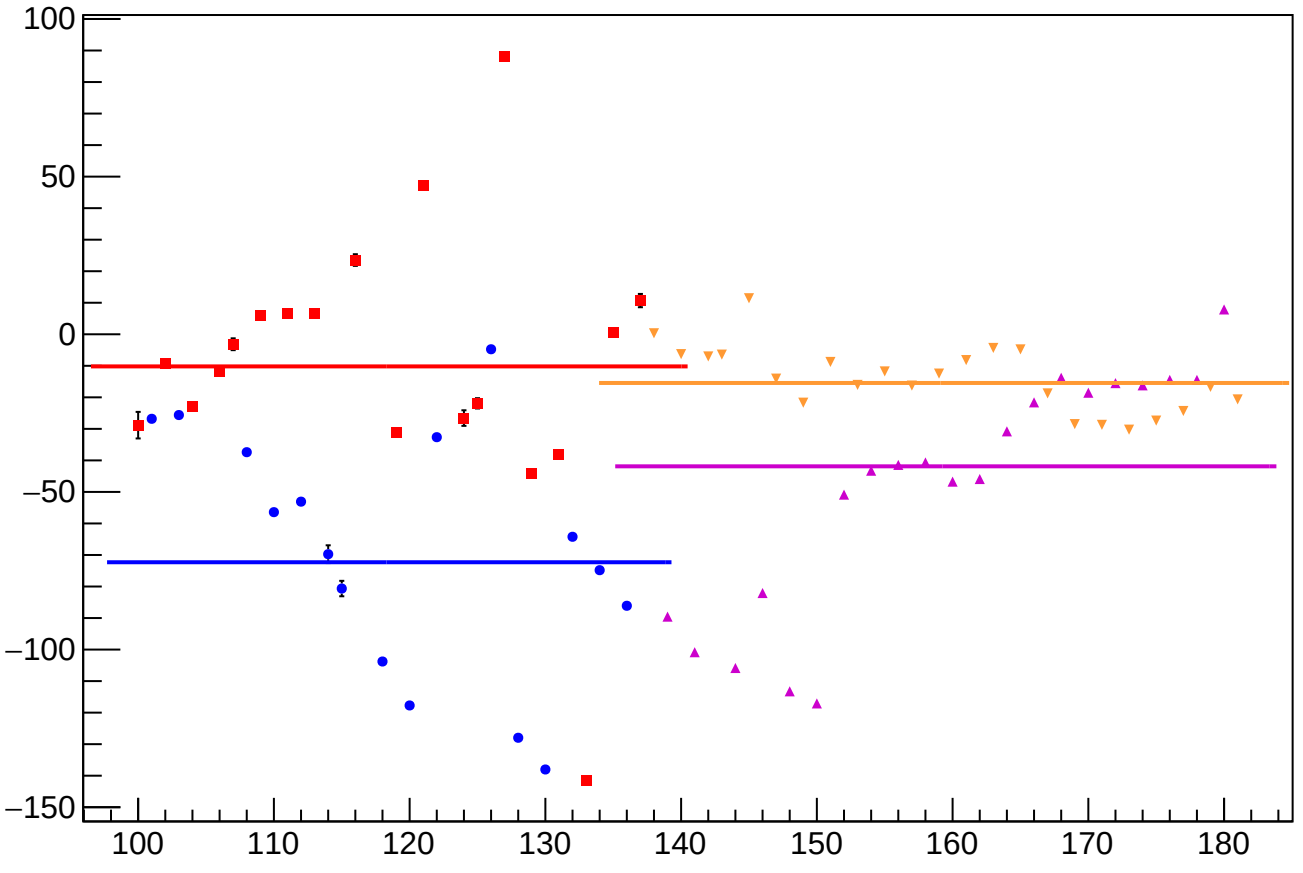
Right Out: 1316.961+/-0.342 χ^2/NDF: 86873.7/18

Left In: 1538.171+/-0.264 χ^2/NDF:366559.5/20

+ sign 1453.702+/-0.205 χ^2/NDF: 749466.1/38

All: 1454.587+/-0.146 χ^2/NDF: 1465482.0/78

- sign 1455.504+/-0.209 χ^2/NDF: 715978.0/39



Right In: -72.304+/-0.349 χ^2/NDF: 12153.8/15

Left Out: -15.441+/-0.189 χ^2/NDF:2826.8/22

Right Out: -10.188+/-0.345 χ^2/NDF: 19045.9/18

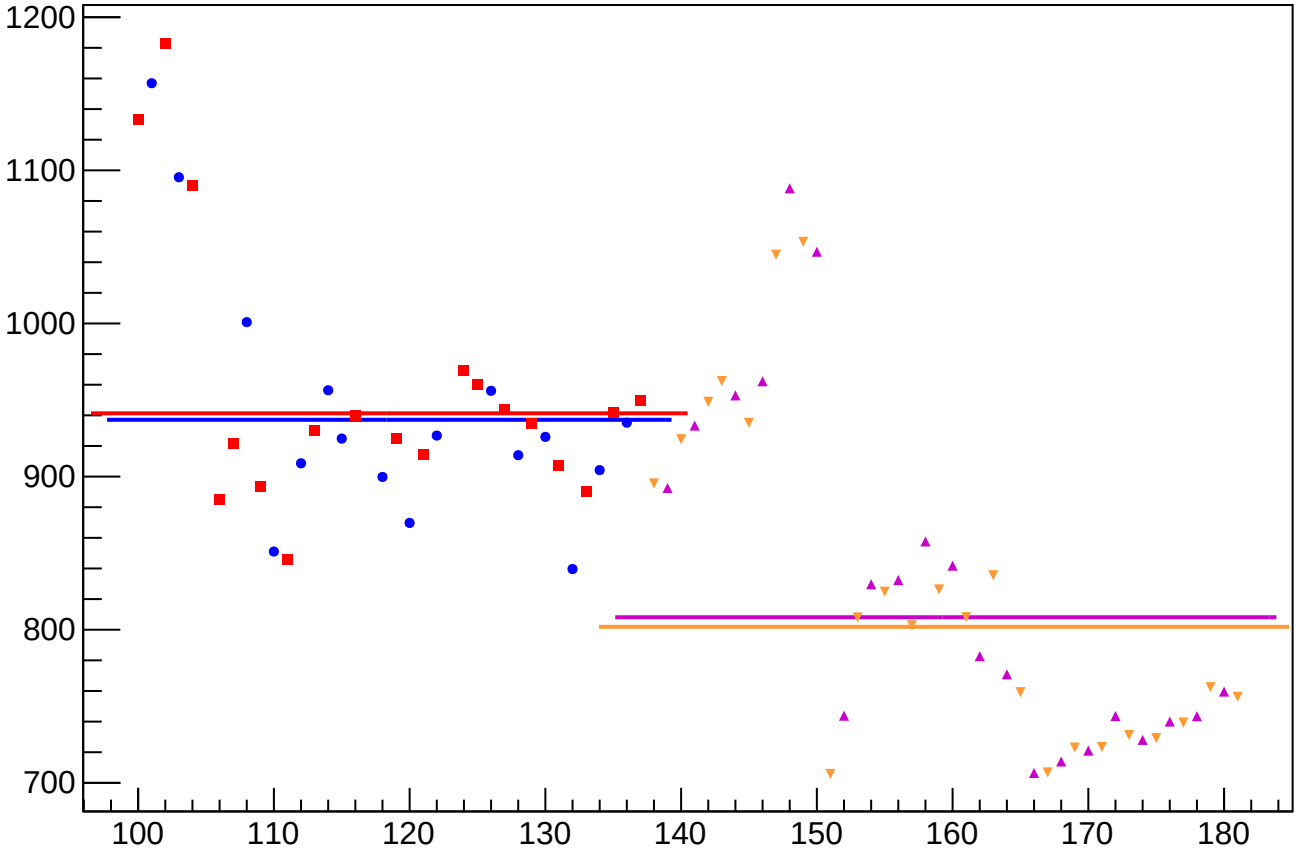
Left In: -41.882+/-0.196 χ^2/NDF:30750.6/20

+ sign -28.278+/-0.166 χ^2/NDF: 35481.2/38

All: -31.123+/-0.119 χ^2/NDF: 92271.1/78

- sign -34.122+/-0.170 χ^2/NDF: 56186.6/39

diff_bpm1i02X_rms vs Slug



Right In: 937.097+/-0.247 χ^2/NDF: 104660.4/15

Left Out: 801.897+/-0.133 χ^2/NDF:492525.4/22

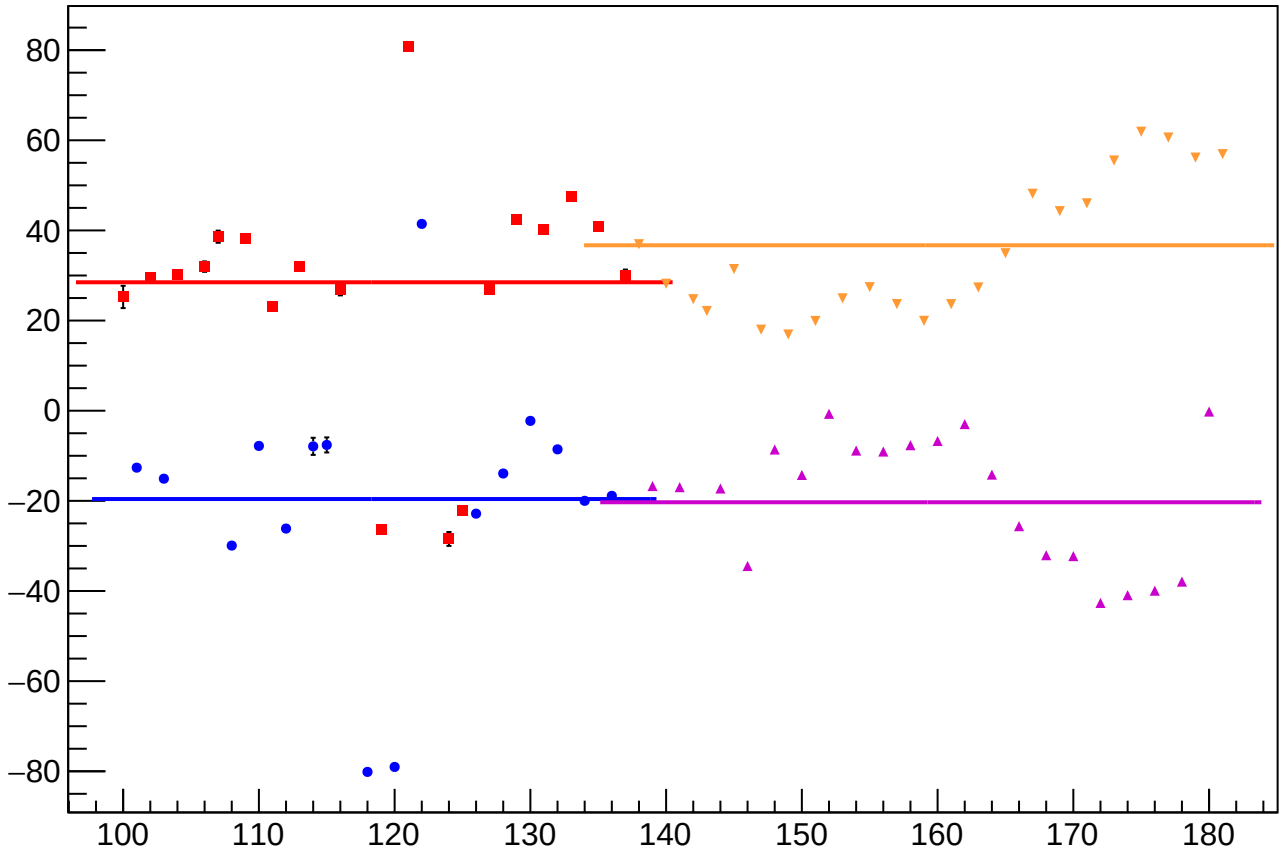
Right Out: 941.323+/-0.244 χ^2/NDF: 101031.2/18

Left In: 808.156+/-0.139 χ^2/NDF:508871.4/20

+ sign 832.419+/-0.117 χ^2/NDF: 828968.5/38

All: 836.479+/-0.084 χ^2/NDF: 1666958.2/78

- sign 840.759+/-0.121 χ^2/NDF: 835533.3/39



Right In: -19.597+/-0.234 χ^2/NDF: 13170.1/15

Left Out: 36.706+/-0.150 χ^2/NDF:10231.1/22

Right Out: 28.496+/-0.230 χ^2/NDF: 12971.2/18

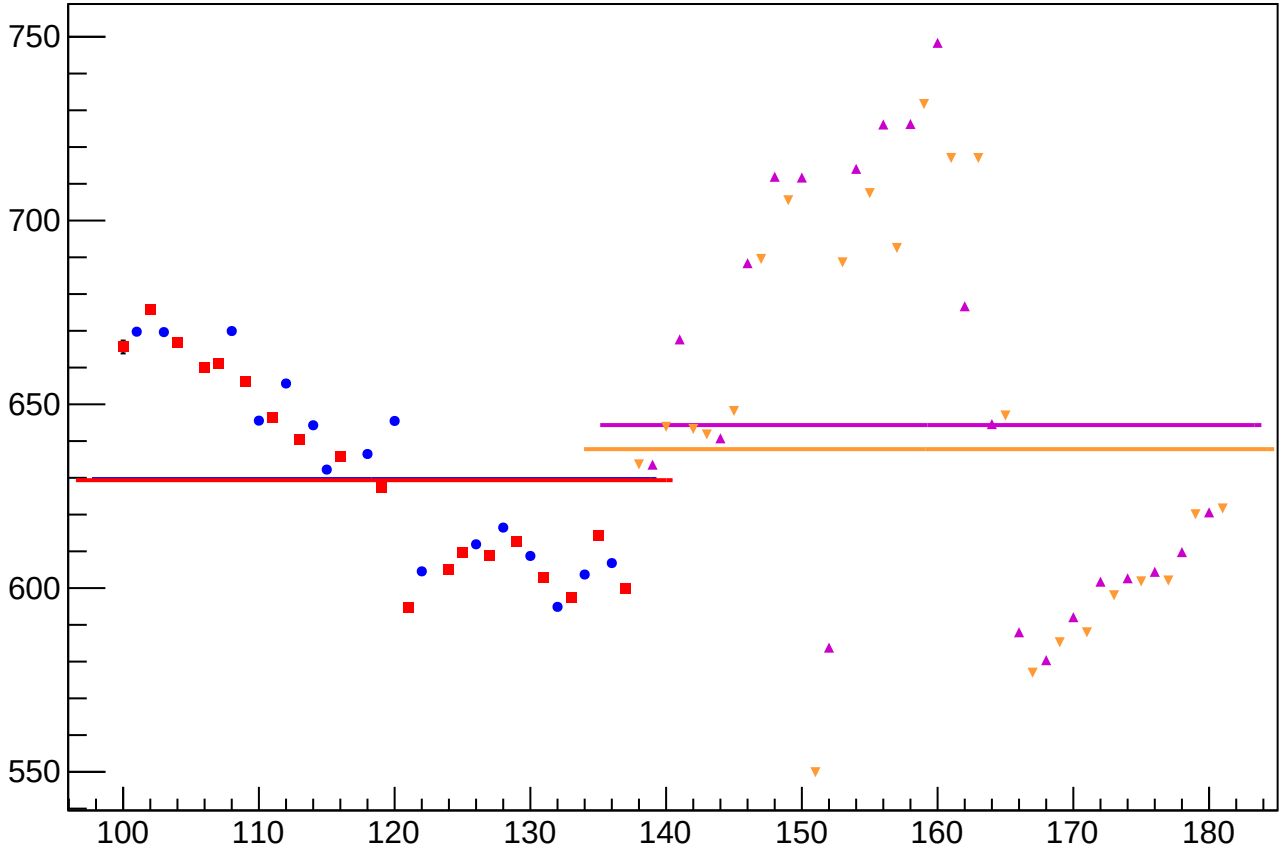
Left In: -20.313+/-0.156 χ^2/NDF:8410.2/20

+ sign 20.374+/-0.126 χ^2/NDF: 64481.9/38

All: 8.013+/-0.090 χ^2/NDF: 136465.0/78

- sign -4.924+/-0.129 χ^2/NDF: 52304.2/39

diff_bpm1i02Y_rms vs Slug



Right In: 629.660+/-0.166 χ^2/NDF: 25315.5/15

Left Out: 637.805+/-0.106 χ^2/NDF:236396.6/22

Right Out: 629.361+/-0.162 χ^2/NDF: 26791.2/18

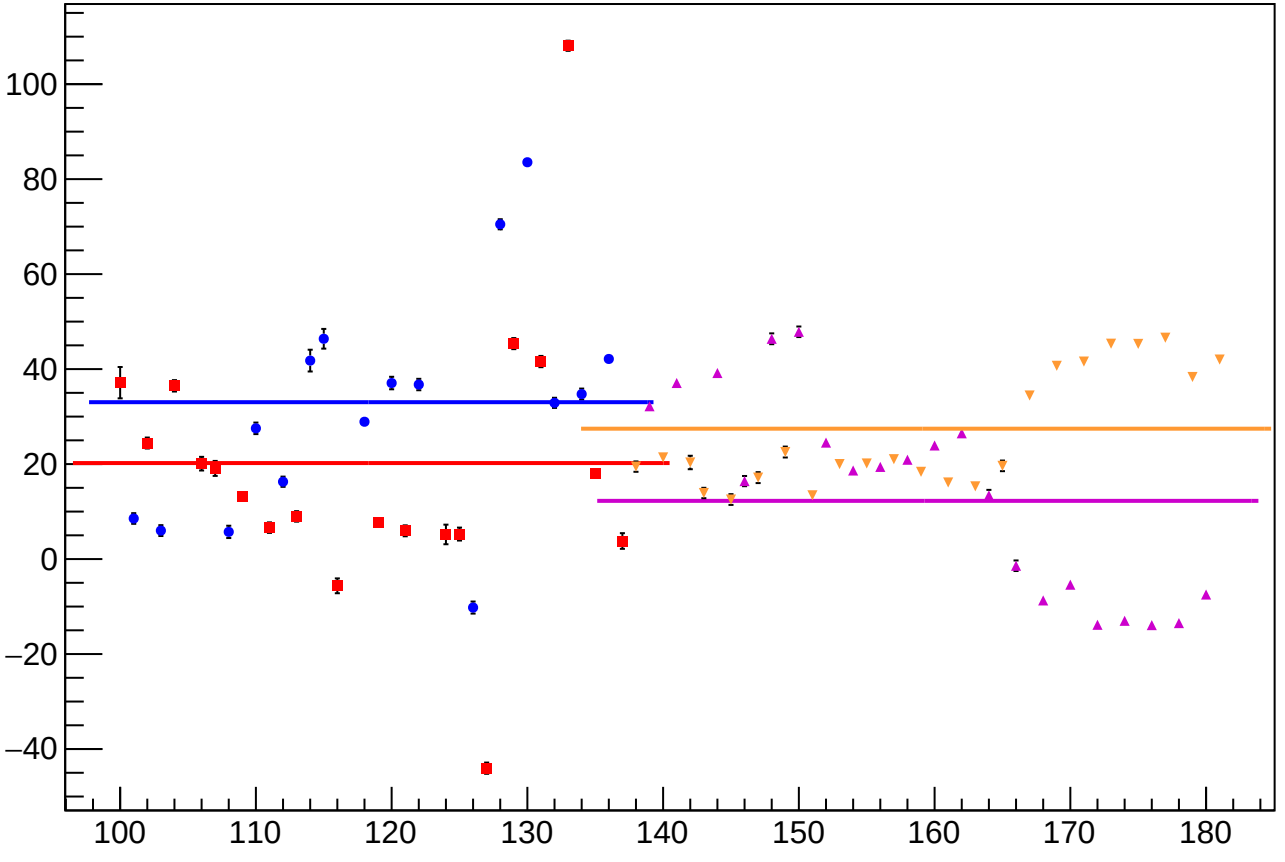
Left In: 644.354+/-0.110 χ^2/NDF:229079.7/20

+ sign 635.442+/-0.089 χ^2/NDF: 263431.3/38

All: 637.487+/-0.064 χ^2/NDF: 526215.5/78

- sign 639.627+/-0.091 χ^2/NDF: 261706.9/39

diff_bpm1i04X_mean vs Slug



Right In: 33.033+/-0.289 χ^2/NDF: 6700.1/15

Left Out: 27.453+/-0.213 χ^2/NDF:3260.0/22

Right Out: 20.215+/-0.286 χ^2/NDF: 11869.7/18

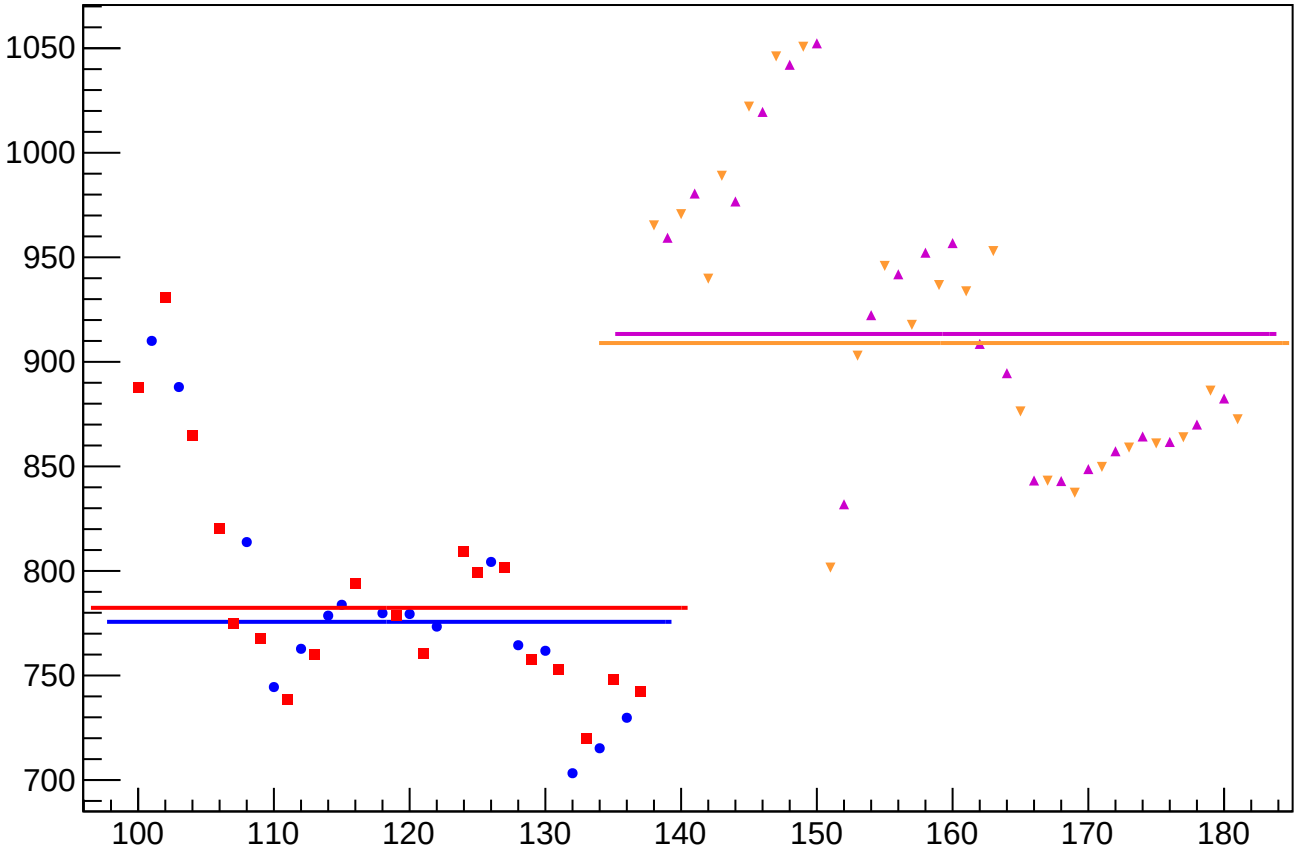
Left In: 12.257+/-0.221 χ^2/NDF:8501.2/20

+ sign 29.418+/-0.171 χ^2/NDF: 10201.8/38

All: 22.455+/-0.122 χ^2/NDF: 34420.6/78

- sign 15.226+/-0.175 χ^2/NDF: 20856.4/39

diff_bpm1i04X_rms vs Slug



Right In: 775.664+/-0.204 χ^2/NDF: 74660.0/15

Left Out: 909.003+/-0.151 χ^2/NDF:191811.7/22

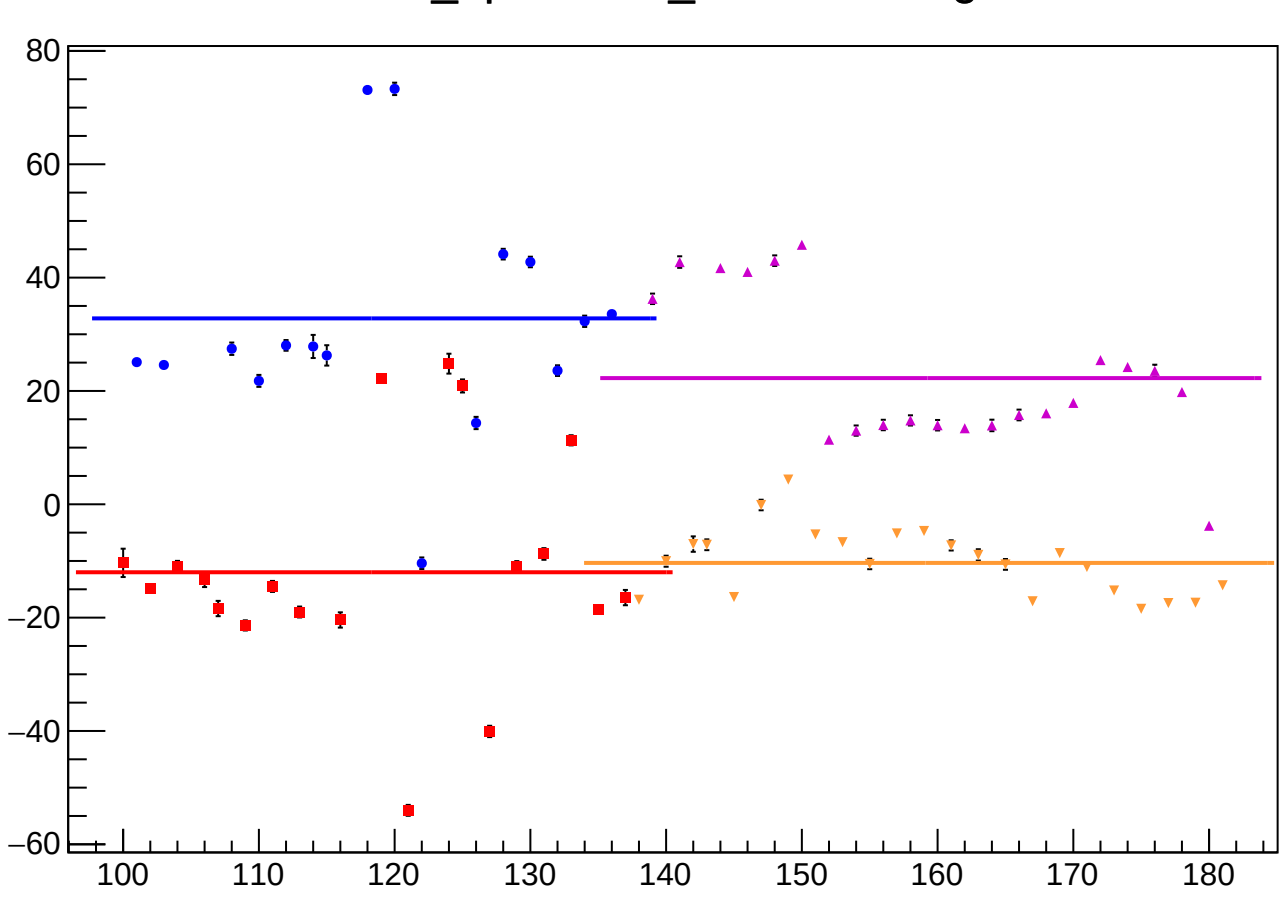
Right Out: 782.358+/-0.202 χ^2/NDF: 64566.3/18

Left In: 913.338+/-0.156 χ^2/NDF:173999.9/20

+ sign 862.055+/-0.121 χ^2/NDF: 542491.2/38

All: 863.238+/-0.087 χ^2/NDF: 1044289.6/78

- sign 864.467+/-0.124 χ^2/NDF: 501604.3/39



Right In: 32.804+/-0.244 χ^2/NDF: 6259.3/15

Left Out: -10.344+/-0.181 χ^2/NDF:1039.5/22

Right Out: -11.994+/-0.241 χ^2/NDF: 6559.7/18

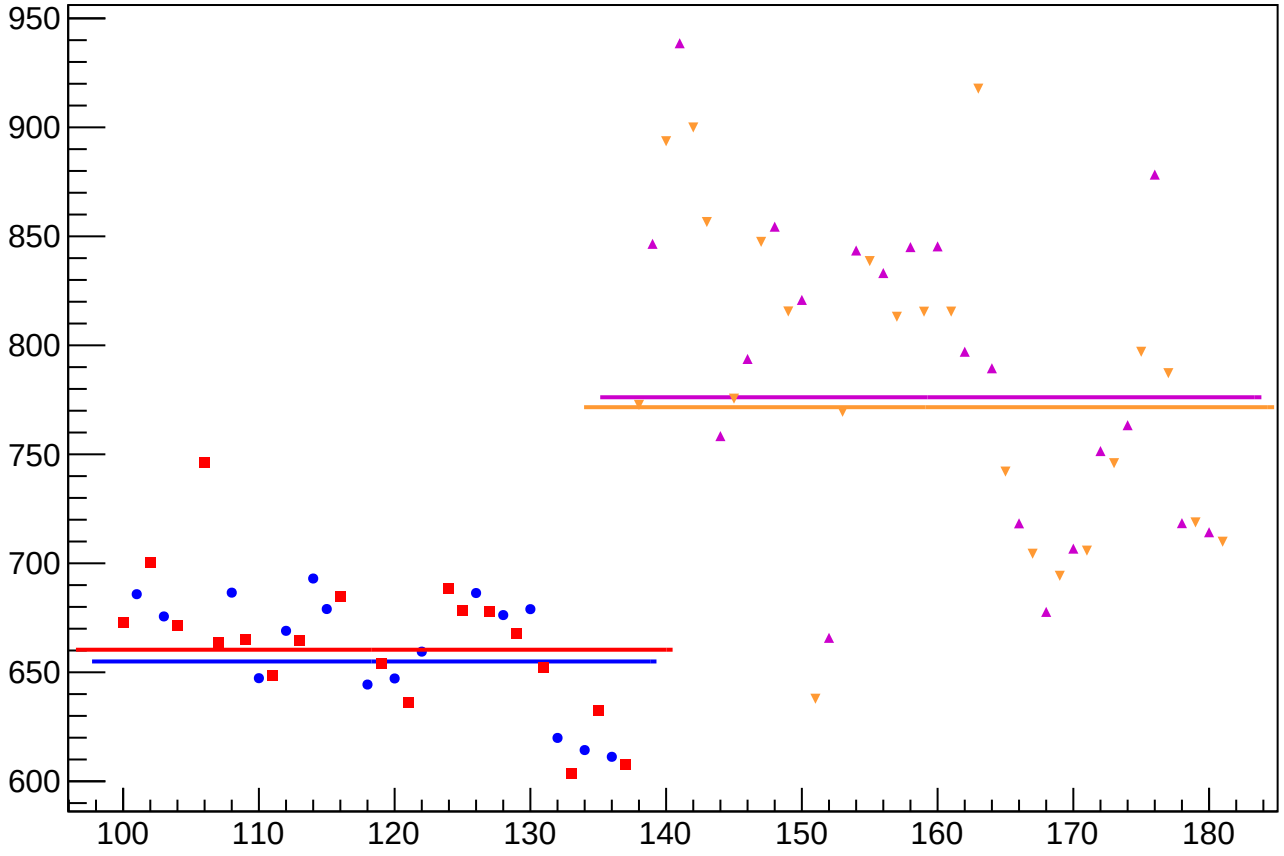
Left In: 22.267+/-0.188 χ^2/NDF:5062.5/20

\+ sign 5.058+/-0.145 χ^2/NDF: 27486.6/38

All: 7.135+/-0.104 χ^2/NDF: 52069.4/78

\- sign 9.295+/-0.148 χ^2/NDF: 24167.0/39

diff_bpm1i04Y_rms vs Slug



Right In: 654.970+/-0.172 χ^2/NDF: 26744.4/15

Left Out: 771.620+/-0.128 χ^2/NDF:300893.1/22

Right Out: 660.355+/-0.171 χ^2/NDF: 30417.5/18

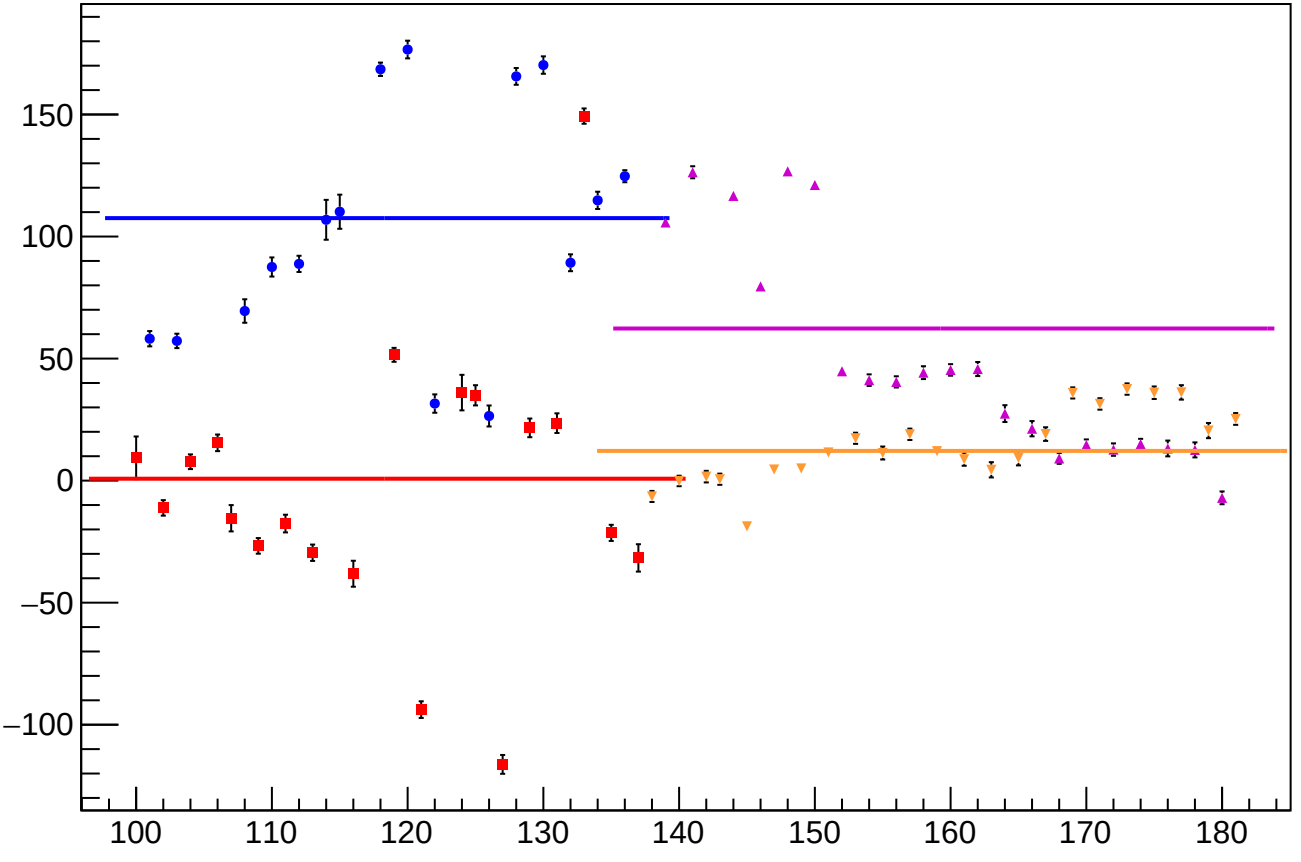
Left In: 776.180+/-0.133 χ^2/NDF:277171.8/20

+ sign 729.981+/-0.103 χ^2/NDF: 622745.5/38

All: 731.131+/-0.073 χ^2/NDF: 1217341.9/78

- sign 732.327+/-0.105 χ^2/NDF: 594341.5/39

diff_bpm1i06X_mean vs Slug



Right In: 107.548+/-0.885 χ^2/NDF: 2955.8/15

Left Out: 12.176+/-0.481 χ^2/NDF:941.4/22

Right Out: 0.788+/-0.861 χ^2/NDF: 4763.9/18

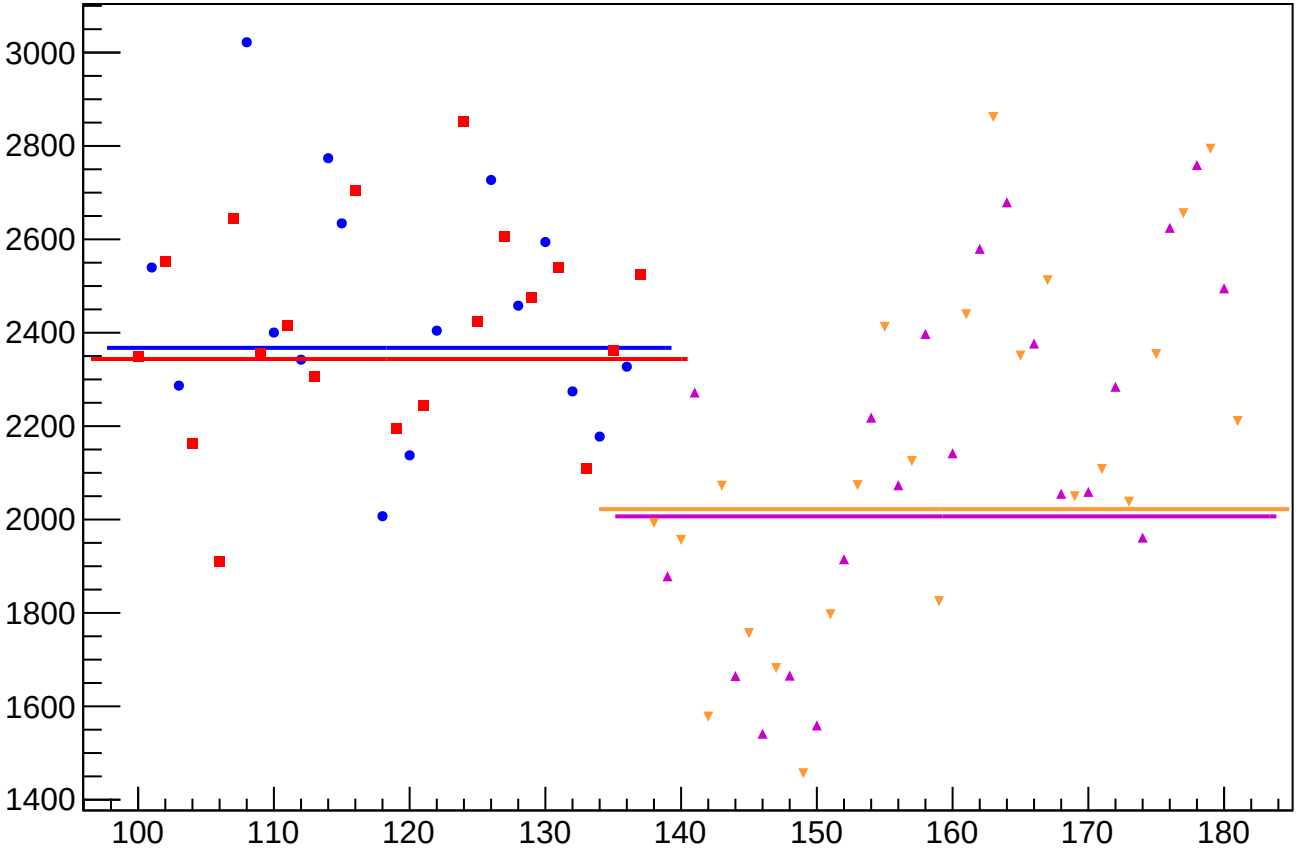
Left In: 62.323+/-0.494 χ^2/NDF:8372.6/20

+ sign 33.912+/-0.423 χ^2/NDF: 12856.9/38

All: 40.419+/-0.301 χ^2/NDF: 30319.4/78

- sign 47.097+/-0.428 χ^2/NDF: 16982.2/39

diff_bpm1i06X_rms vs Slug



Right In: 2367.633+/-0.626 χ^2/NDF: 126764.1/15

Left Out: 2022.314+/-0.340 χ^2/NDF:1062044.9/22

Right Out: 2343.704+/-0.609 χ^2/NDF: 112274.4/18

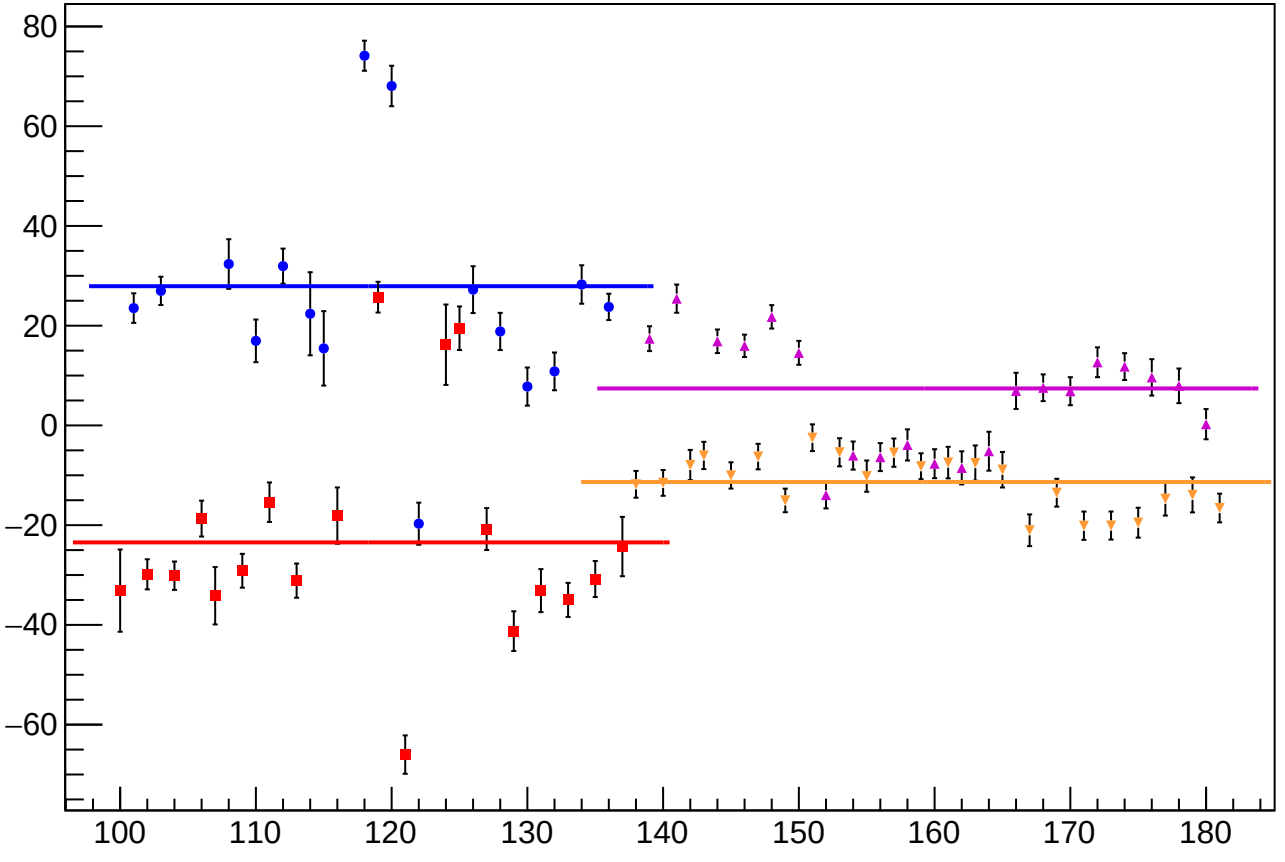
Left In: 2006.745+/-0.349 χ^2/NDF:1028358.3/20

+ sign 2101.015+/-0.299 χ^2/NDF: 1423730.8/38

All: 2095.639+/-0.213 χ^2/NDF: 2795642.2/78

- sign 2090.121+/-0.303 χ^2/NDF: 1371255.7/39

diff_bpm1i06Y_mean vs Slug



Right In: 27.916+/-0.937 χ^2/NDF: 530.7/15

Left Out: -11.340+/-0.599 χ^2/NDF:77.5/22

Right Out: -23.457+/-0.903 χ^2/NDF: 567.9/18

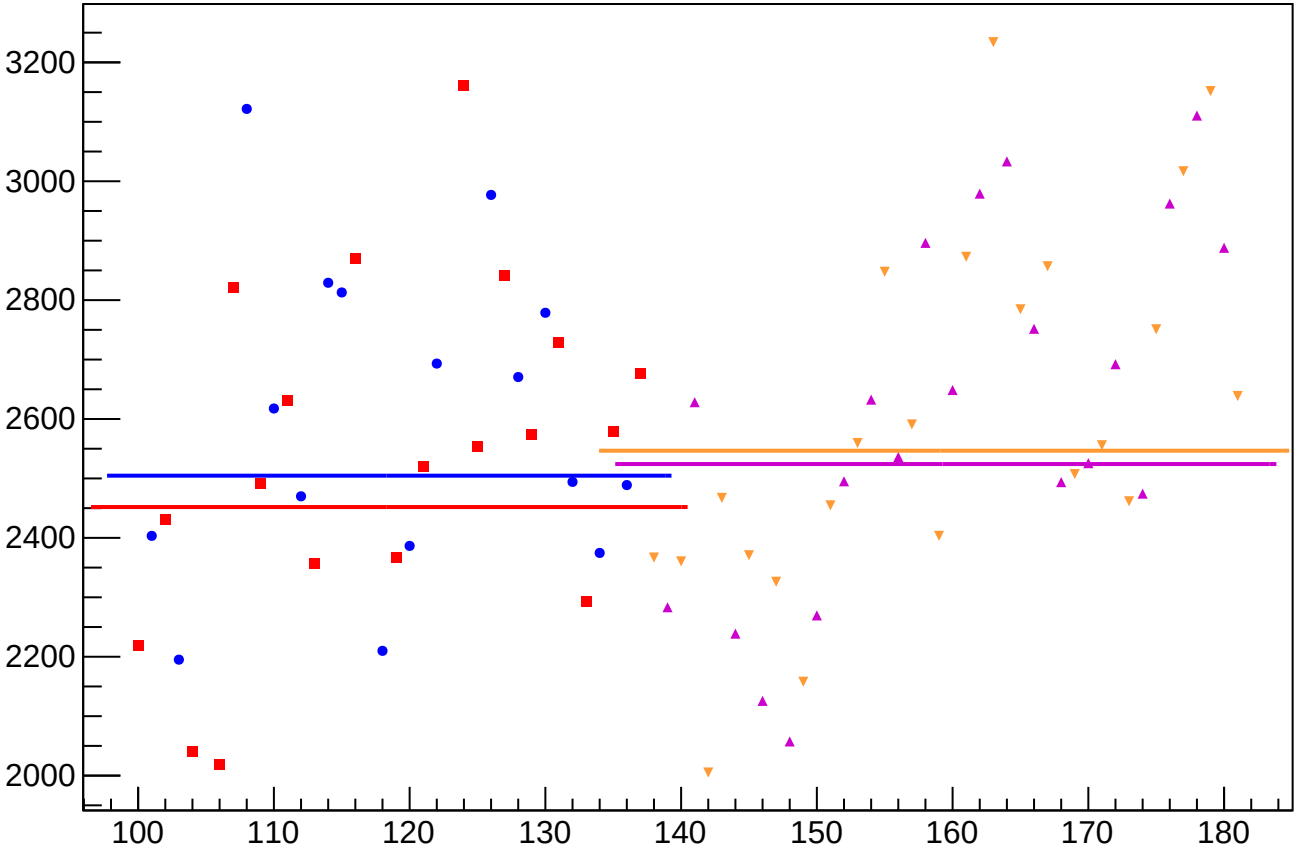
Left In: 7.414+/-0.615 χ^2/NDF:329.0/20

+ sign 0.062+/-0.505 χ^2/NDF: 1854.2/38

All: -1.145+/-0.358 χ^2/NDF: 3561.7/78

- sign -2.368+/-0.508 χ^2/NDF: 1696.0/39

diff_bpm1i06Y_rms vs Slug



Right In: 2504.654+/-0.662 χ^2/NDF: 126599.1/15

Left Out: 2546.666+/-0.424 χ^2/NDF:427423.2/22

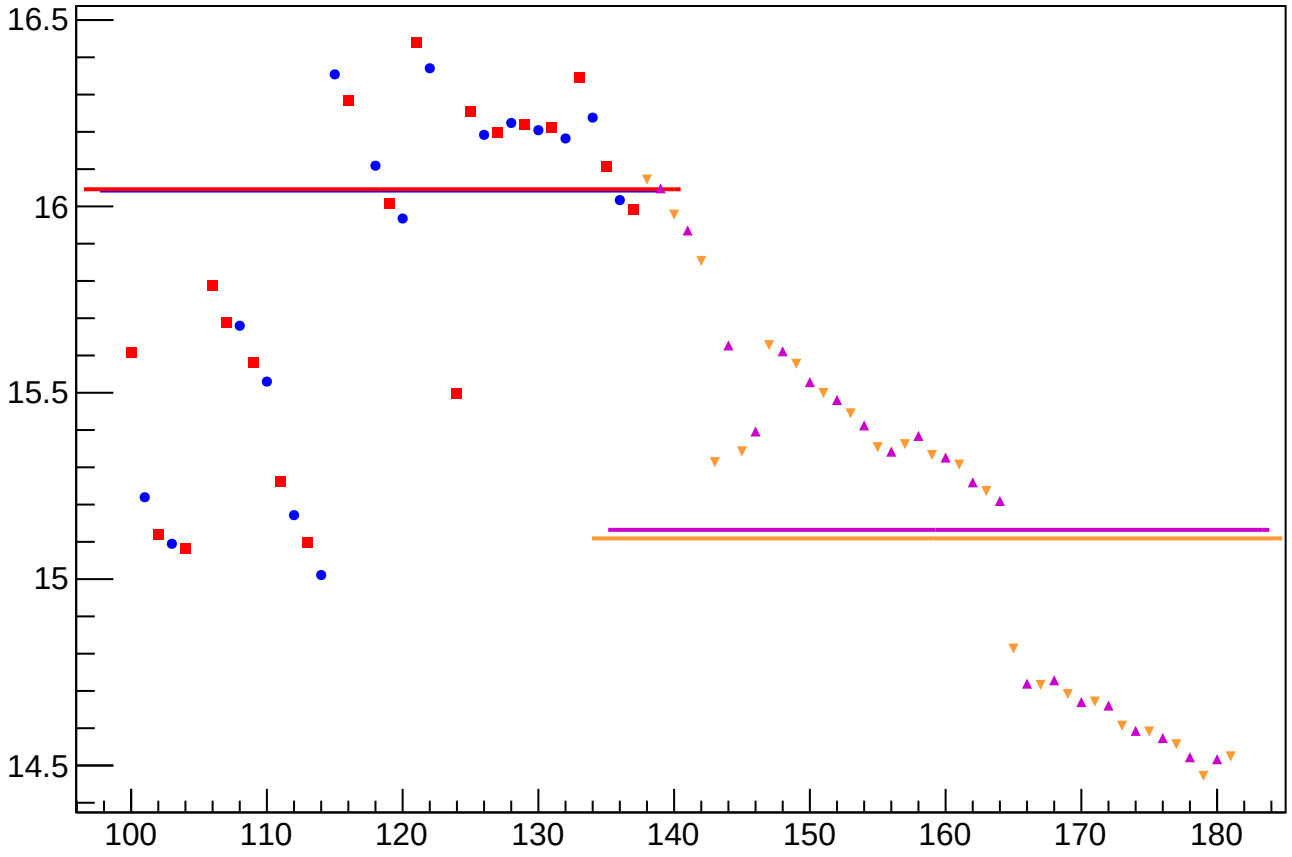
Right Out: 2451.880+/-0.638 χ^2/NDF: 153237.1/18

Left In: 2524.208+/-0.435 χ^2/NDF:451832.4/20

+ sign 2534.463+/-0.357 χ^2/NDF: 556876.5/38

All: 2517.982+/-0.253 χ^2/NDF: 1175008.8/78

- sign 2501.290+/-0.359 χ^2/NDF: 613842.4/39



Right In: 16.043+/-0.000 χ^2/NDF: 2840540588.4/15

Left Out: 15.109+/-0.000 χ^2/NDF:39799046147.8/22

Right Out: 16.046+/-0.000 χ^2/NDF: 3552158387.5/18

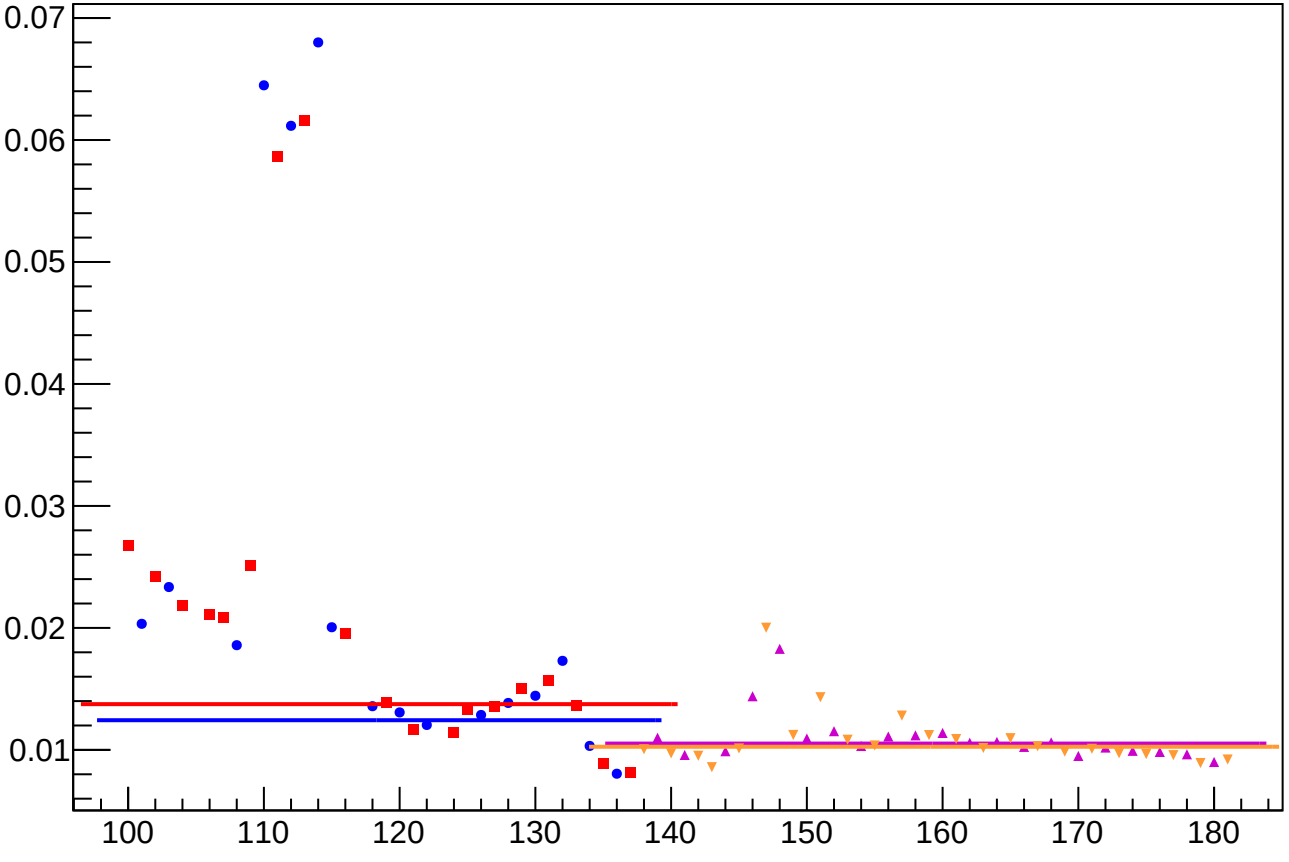
Left In: 15.132+/-0.000 χ^2/NDF:35271625970.3/20

+ sign 15.277+/-0.000 χ^2/NDF: 68093101783.5/38

All: 15.282+/-0.000 χ^2/NDF: 127759807648.

- sign 15.288+/-0.000 χ^2/NDF: 59654411739.6/39

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:751826.6/22

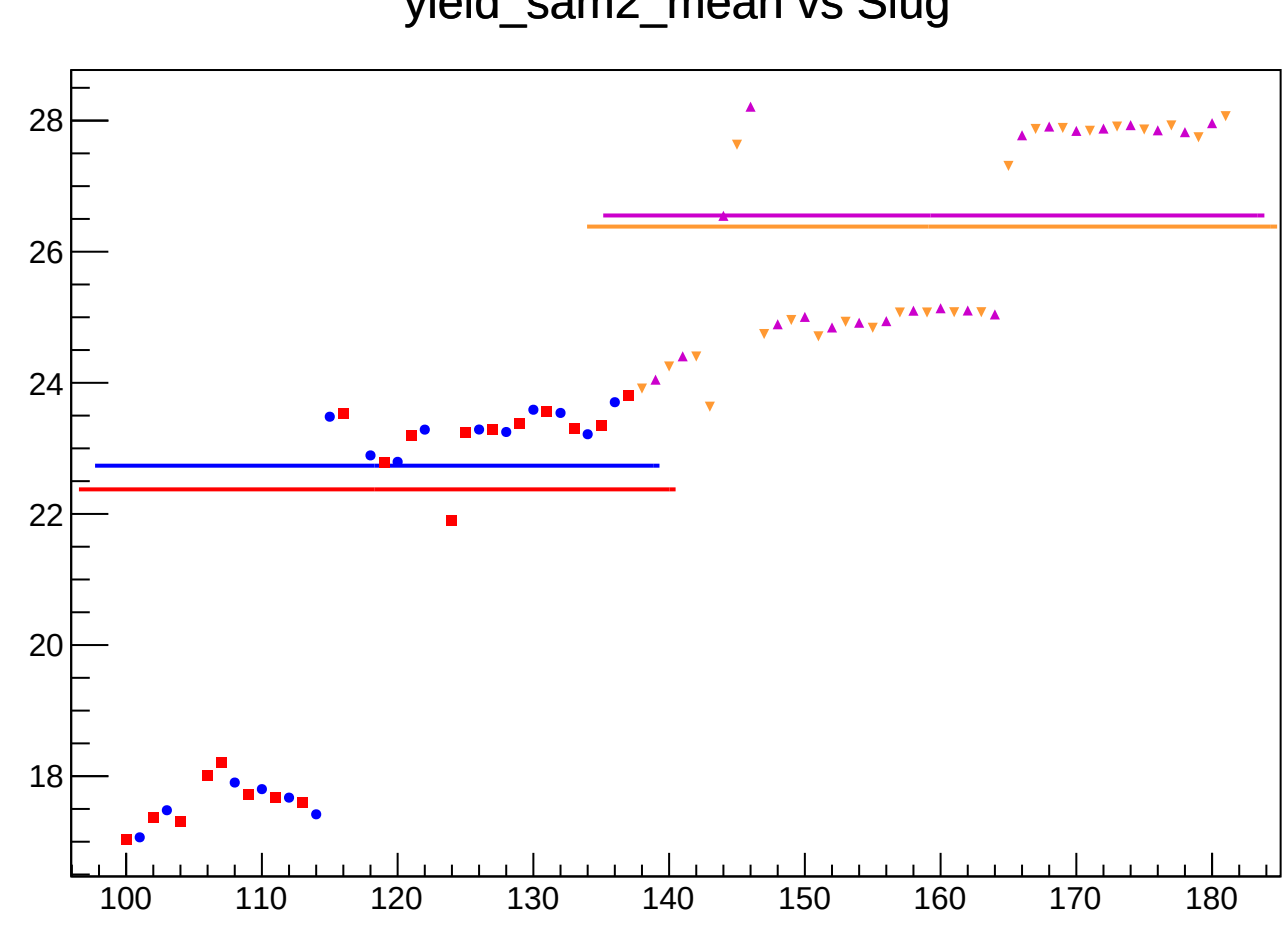
Right Out: 0.014+/-0.000 χ^2/NDF: 2230614.9/18

Left In: 0.011+/-0.000 χ^2/NDF:558224.6/20

+ sign 0.011+/-0.000 χ^2/NDF: 3345118.2/38

All: 0.011+/-0.000 χ^2/NDF: 6688556.8/78

- sign 0.011+/-0.000 χ^2/NDF: 3310199.7/39



Right In: 22.736+/-0.000 χ^2/NDF: 1220713728.0/15

Left Out: 26.383+/-0.000 χ^2/NDF:3642424877.2/22

Right Out: 22.375+/-0.000 χ^2/NDF: 1215661430.7/18

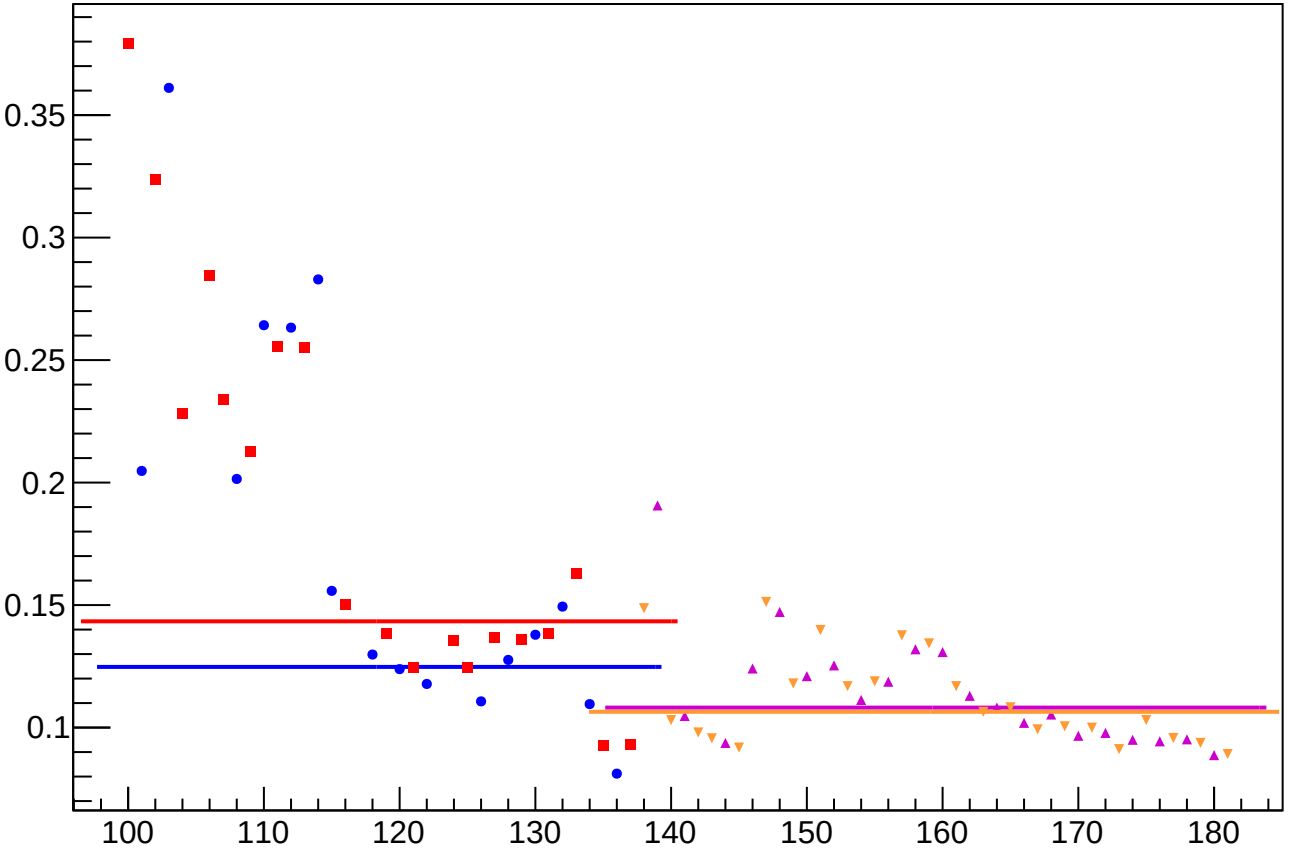
Left In: 26.553+/-0.000 χ^2/NDF:2696569204.2/20

+ sign 25.657+/-0.000 χ^2/NDF: 8523656742.7/38

All: 25.721+/-0.000 χ^2/NDF: 16442585855.9

- sign 25.793+/-0.000 χ^2/NDF: 7904018153.1/39

yield_sam2_rms vs Slug



Right In: 0.125+/-0.000 χ^2/NDF: 1749818.7/15

Left Out: 0.106+/-0.000 χ^2/NDF:738308.3/22

Right Out: 0.143+/-0.000 χ^2/NDF: 1570103.9/18

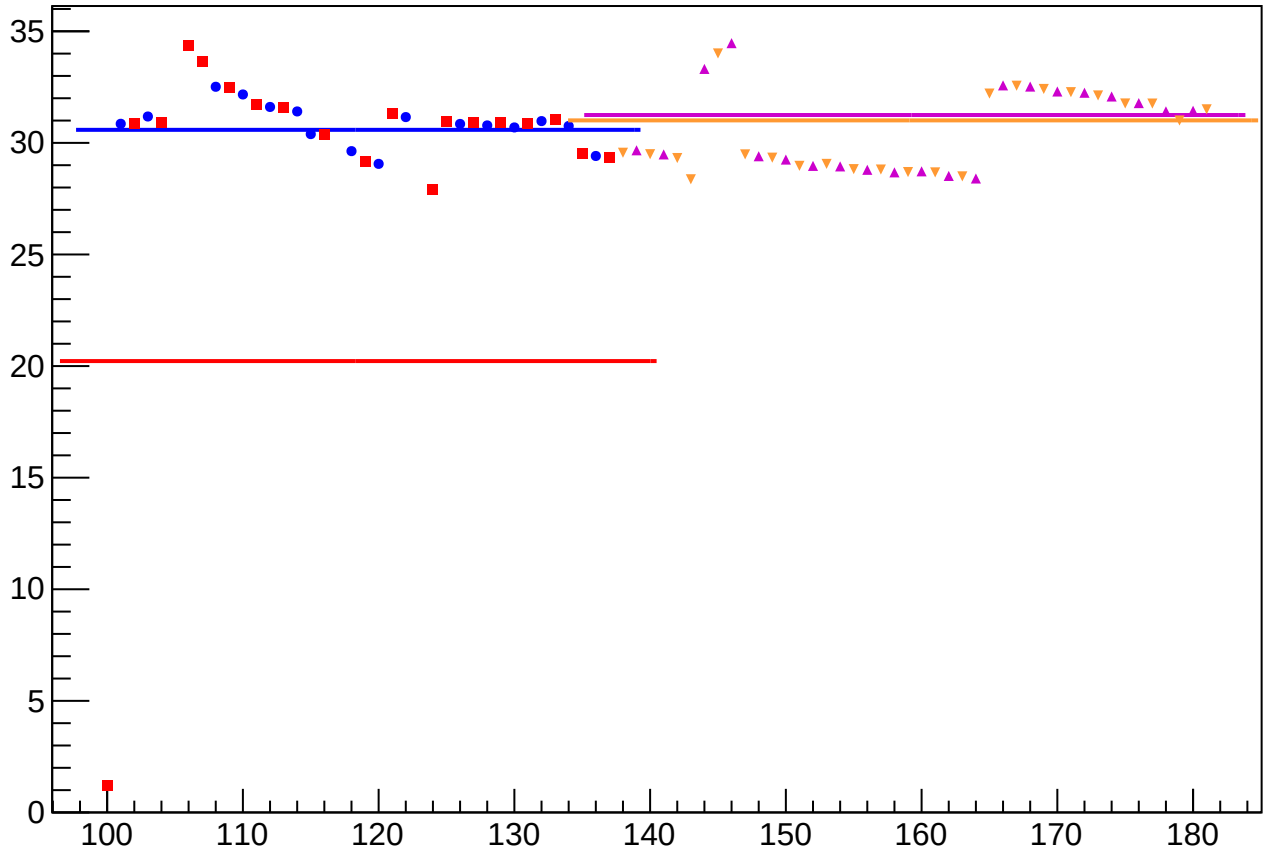
Left In: 0.108+/-0.000 χ^2/NDF:833393.8/20

+ sign 0.110+/-0.000 χ^2/NDF: 2673014.7/38

All: 0.112+/-0.000 χ^2/NDF: 5676354.7/78

- sign 0.115+/-0.000 χ^2/NDF: 2970806.2/39

yield_sam3_mean vs Slug



Right In: 30.585+/-0.000 χ^2/NDF: 652266844.4/15

Left Out: 31.008+/-0.000 χ^2/NDF:11845724016.4/22

Right Out: 20.224+/-0.000 χ^2/NDF: 221262816636.2/18

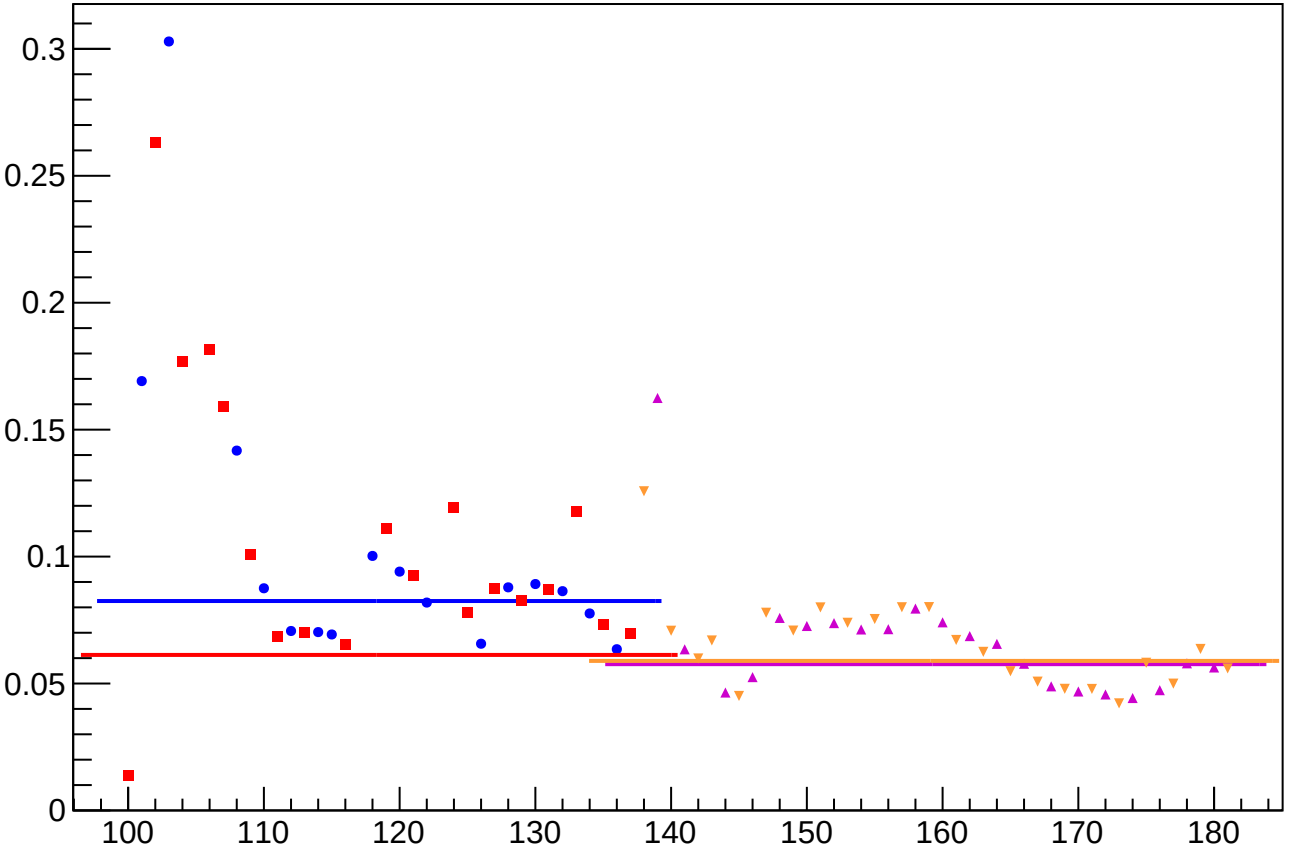
Left In: 31.249+/-0.000 χ^2/NDF:12572487942.1/20

+ sign 30.940+/-0.000 χ^2/NDF: 12614373554.0/38

All: 29.873+/-0.000 χ^2/NDF: 360622206176.

- sign 28.849+/-0.000 χ^2/NDF: 337303997383.8/39

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:1507918.8/22

Right Out: 0.061+/-0.000 χ^2/NDF: 4014305.3/18

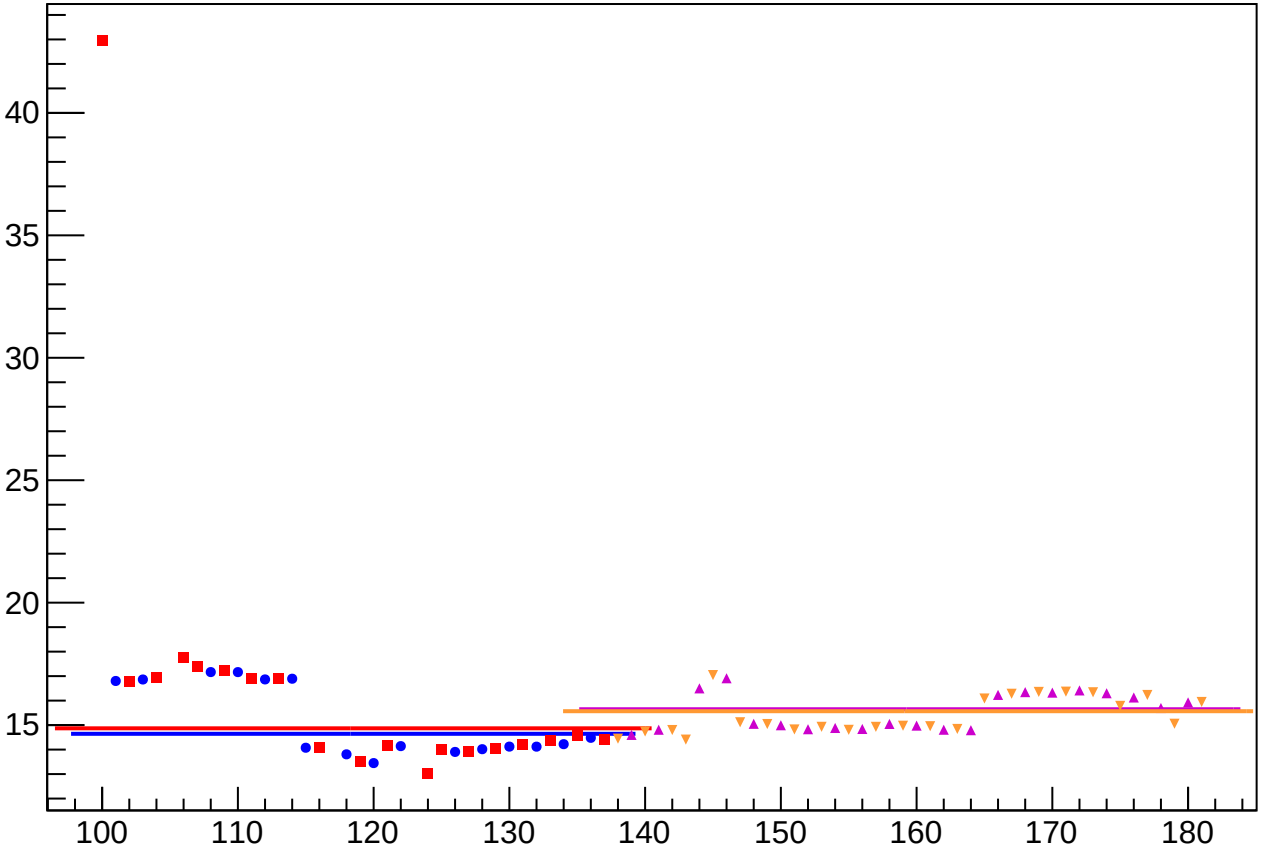
Left In: 0.058+/-0.000 χ^2/NDF:1695934.7/20

+ sign 0.063+/-0.000 χ^2/NDF: 3491769.7/38

All: 0.061+/-0.000 χ^2/NDF: 9314845.3/78

- sign 0.058+/-0.000 χ^2/NDF: 5732762.2/39

yield_sam4_mean vs Slug



Right In: 14.644+/-0.000 χ^2/NDF: 1193913109.5/15

Left Out: 15.567+/-0.000 χ^2/NDF:2198787215.8/22

Right Out: 14.868+/-0.000 χ^2/NDF: 1730040006.8/18

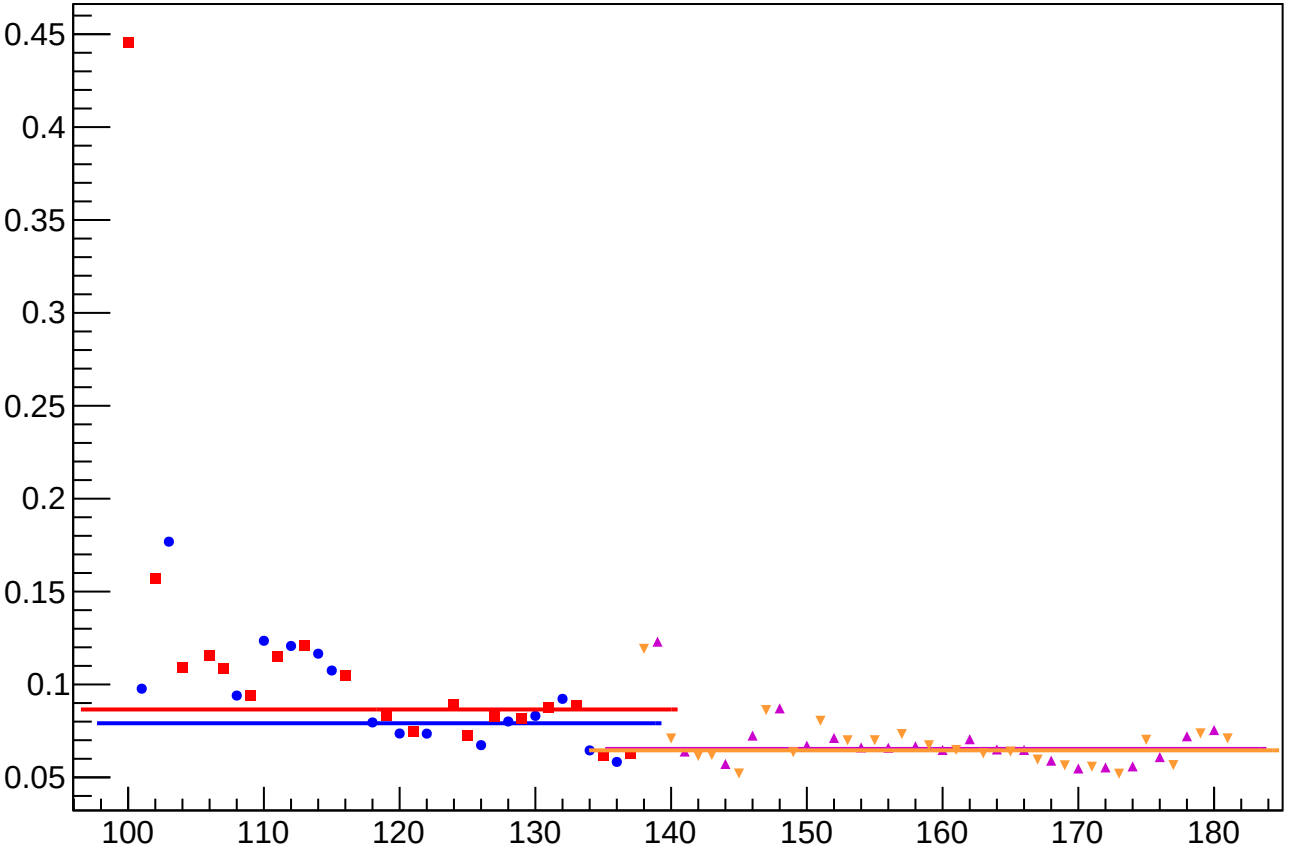
Left In: 15.647+/-0.000 χ^2/NDF:1842819889.4/20

+ sign 15.381+/-0.000 χ^2/NDF: 4030797618.8/38

All: 15.436+/-0.000 χ^2/NDF: 8035426296.5/7

- sign 15.497+/-0.000 χ^2/NDF: 3974829493.3/39

yield_sam4_rms vs Slug



Right In: 0.079+/-0.000 χ^2/NDF: 918198.7/15

Left Out: 0.065+/-0.000 χ^2/NDF:807841.5/22

Right Out: 0.087+/-0.000 χ^2/NDF: 793345.8/18

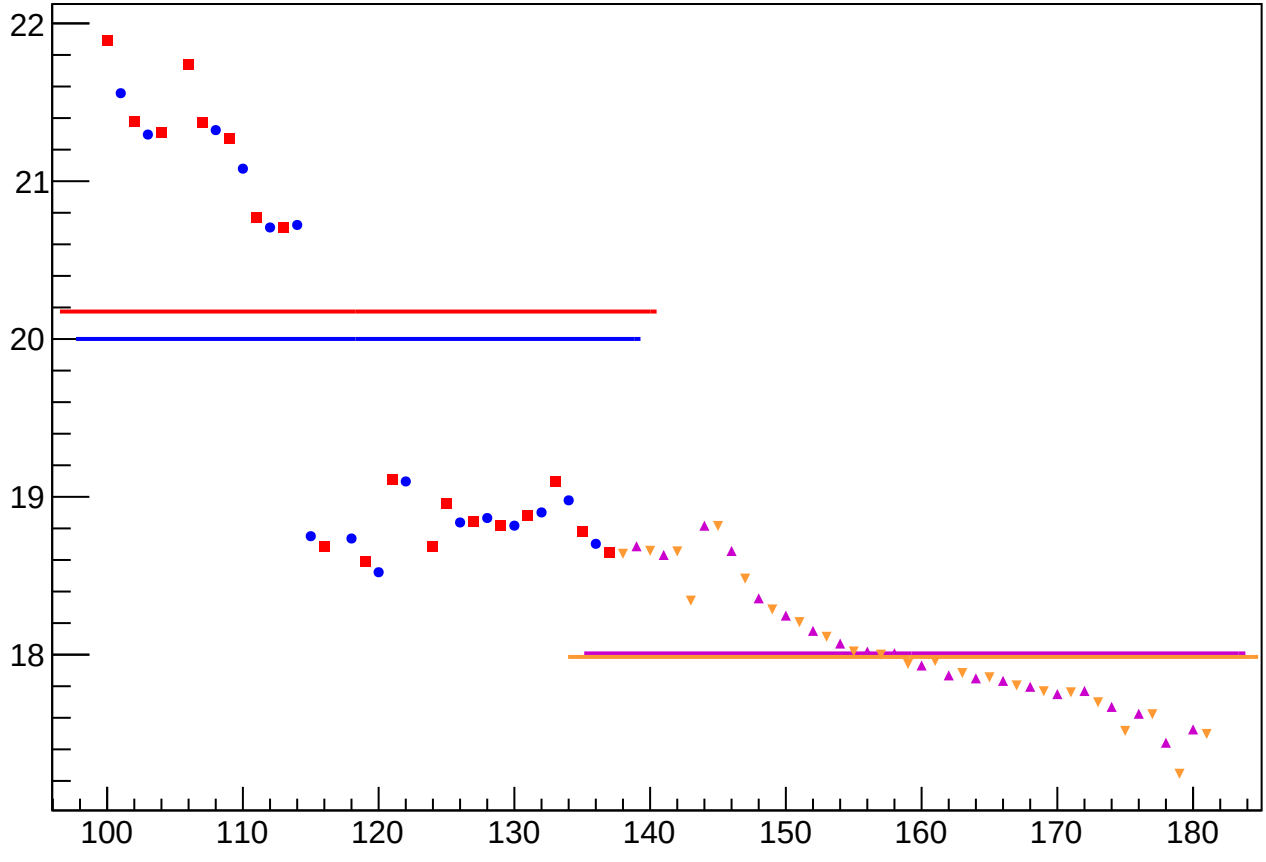
Left In: 0.065+/-0.000 χ^2/NDF:725790.0/20

+ sign 0.067+/-0.000 χ^2/NDF: 2044208.2/38

All: 0.068+/-0.000 χ^2/NDF: 4176780.4/78

- sign 0.069+/-0.000 χ^2/NDF: 2116262.0/39

yield_sam5_mean vs Slug



Right In: 20.001+/-0.000 χ^2/NDF: 10878846617.7/15

Left Out: 17.986+/-0.000 χ^2/NDF:2850403422.8/22

Right Out: 20.174+/-0.000 χ^2/NDF: 10426322430.8/18

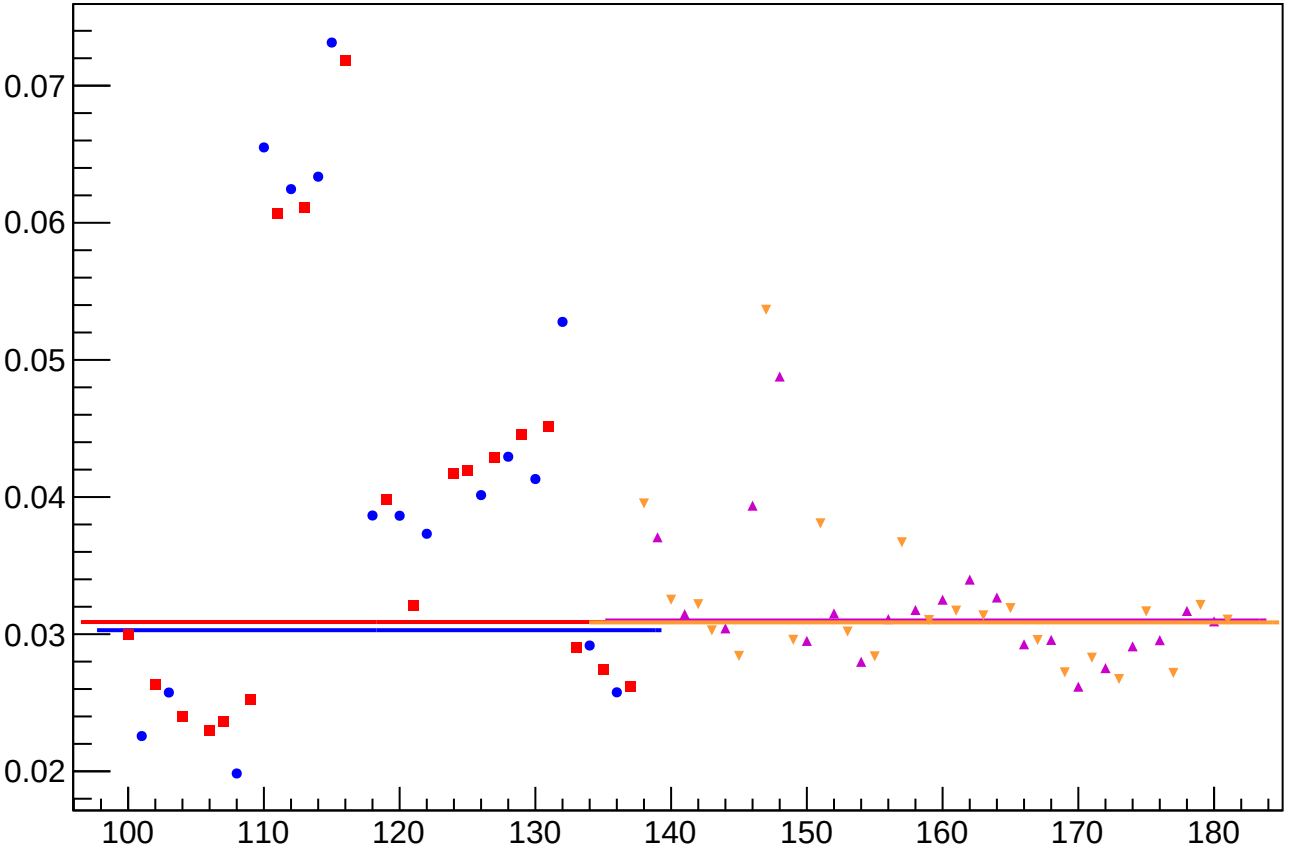
Left In: 18.008+/-0.000 χ^2/NDF:2452286861.2/20

+ sign 18.516+/-0.000 χ^2/NDF: 33164479872.0/38

All: 18.561+/-0.000 χ^2/NDF: 68251202141.0

- sign 18.609+/-0.000 χ^2/NDF: 34983432227.3/39

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:605483.8/22

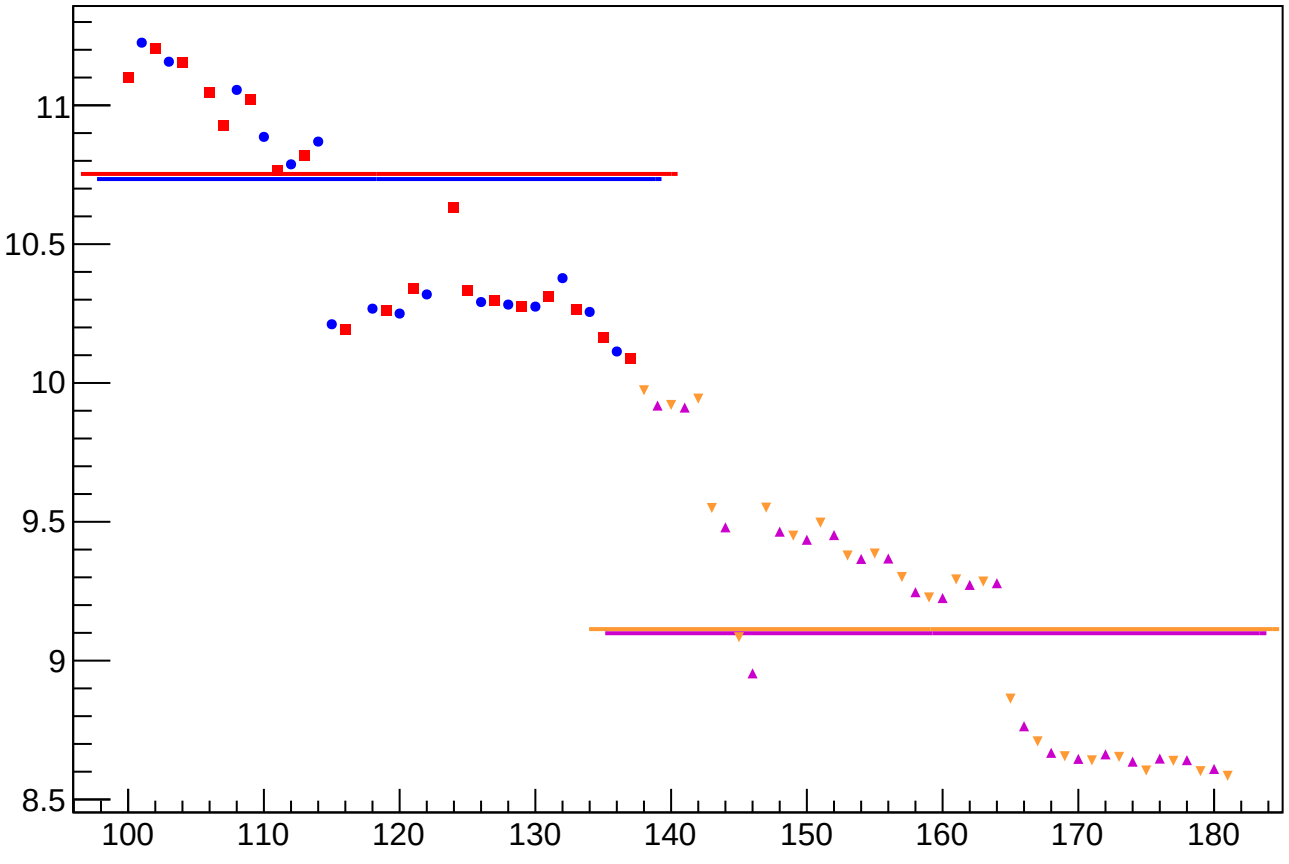
Right Out: 0.031+/-0.000 χ^2/NDF: 1204729.6/18

Left In: 0.031+/-0.000 χ^2/NDF:470001.9/20

+ sign 0.031+/-0.000 χ^2/NDF: 2055966.9/38

All: 0.031+/-0.000 χ^2/NDF: 3732425.0/78

- sign 0.031+/-0.000 χ^2/NDF: 1674851.7/39



Right In: 10.734+/-0.000 χ^2/NDF: 5879444478.4/15

Left Out: 9.114+/-0.000 χ^2/NDF:9593570878.7/22

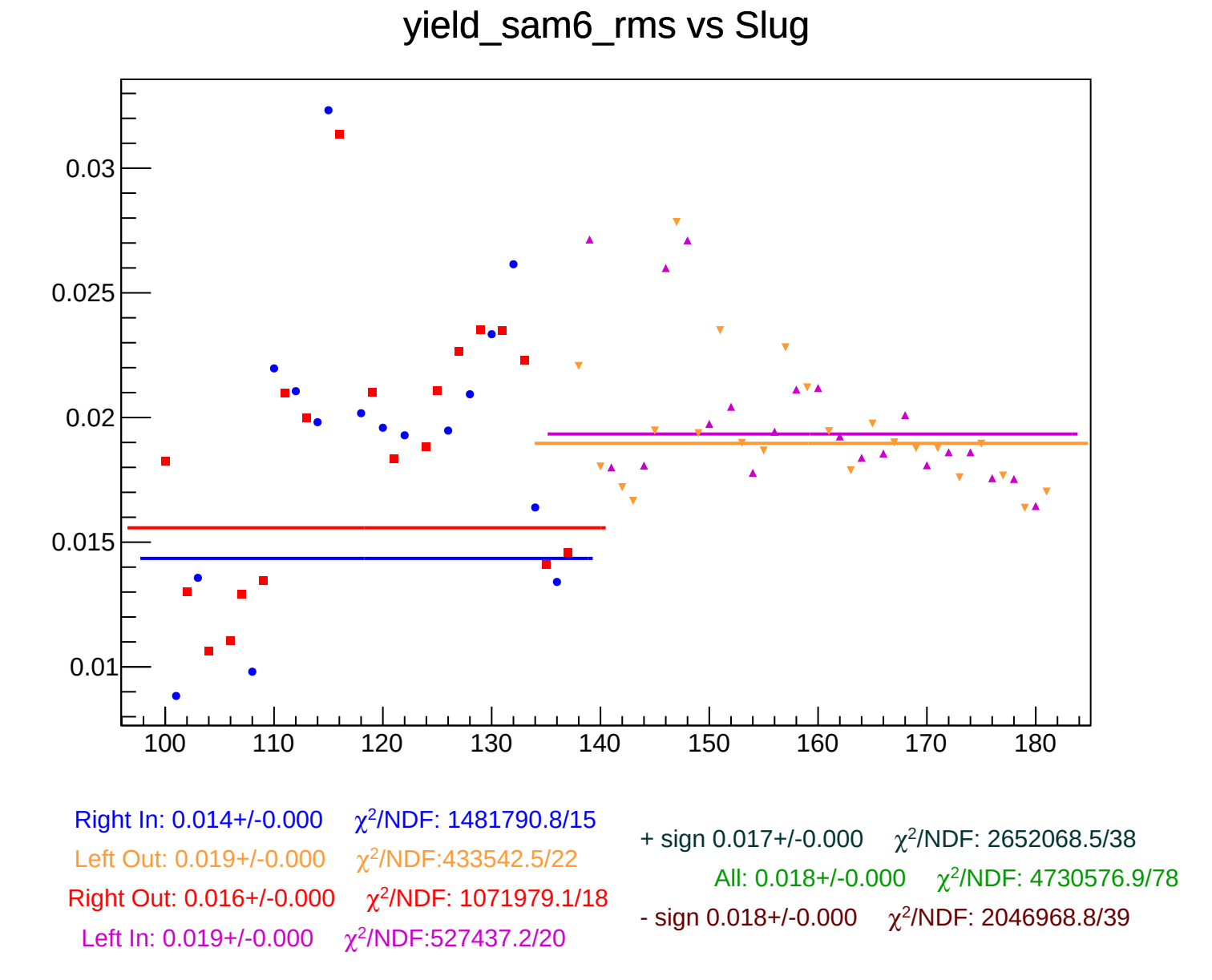
Right Out: 10.753+/-0.000 χ^2/NDF: 4344265704.2/18

Left In: 9.099+/-0.000 χ^2/NDF:7417342882.8/20

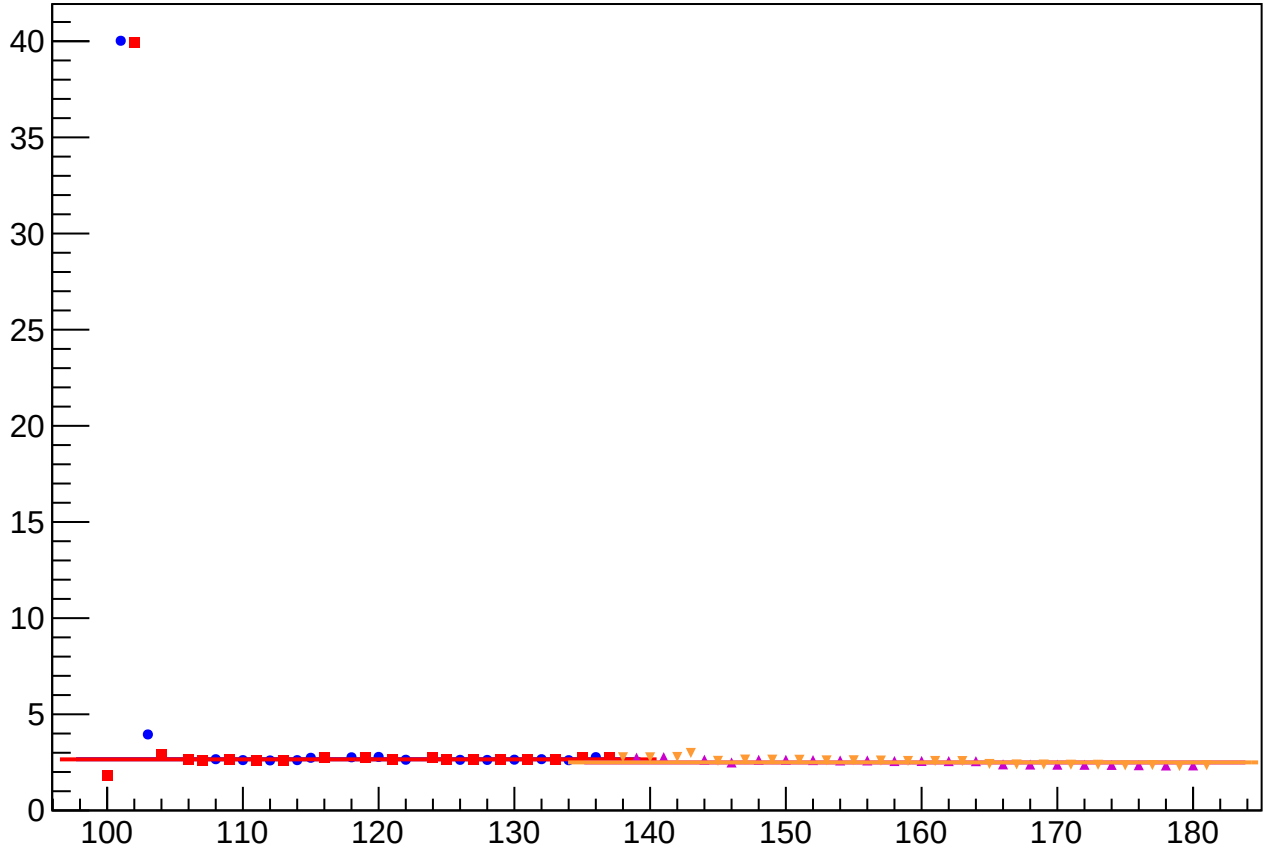
+ sign 9.720+/-0.000 χ^2/NDF: 60888292269.3/38

All: 9.723+/-0.000 χ^2/NDF: 115926541059.7

- sign 9.727+/-0.000 χ^2/NDF: 55036271224.2/39


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:433542.5/22
Right Out: 0.016+/-0.000 χ²/NDF: 1071979.1/18
Left In: 0.019+/-0.000 χ²/NDF:527437.2/20
+ sign 0.017+/-0.000 χ²/NDF: 2652068.5/38
All: 0.018+/-0.000 χ²/NDF: 4730576.9/78
- sign 0.018+/-0.000 χ²/NDF: 2046968.8/39

yield_sam7_mean vs Slug



Right In: 2.664+/-0.000 χ^2/NDF: 67839888284.3/15

Left Out: 2.499+/-0.000 χ^2/NDF:88458220479.9/22

Right Out: 2.656+/-0.000 χ^2/NDF: 65056887880.1/18

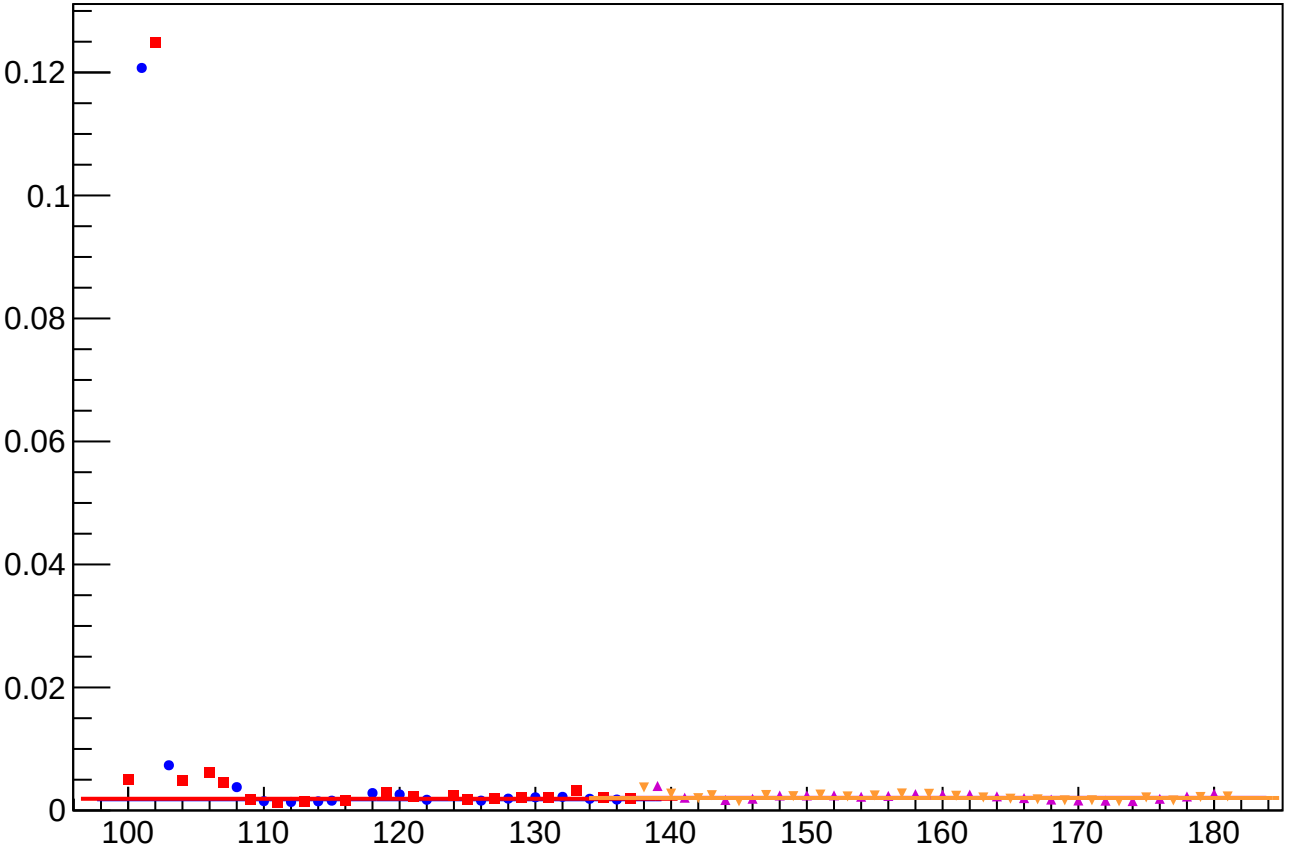
Left In: 2.496+/-0.000 χ^2/NDF:57282662944.1/20

+ sign 2.547+/-0.000 χ^2/NDF: 184081077807.6/38

All: 2.545+/-0.000 χ^2/NDF: 331784363374.3

- sign 2.544+/-0.000 χ^2/NDF: 147684910577.3/39

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:1479953.2/22

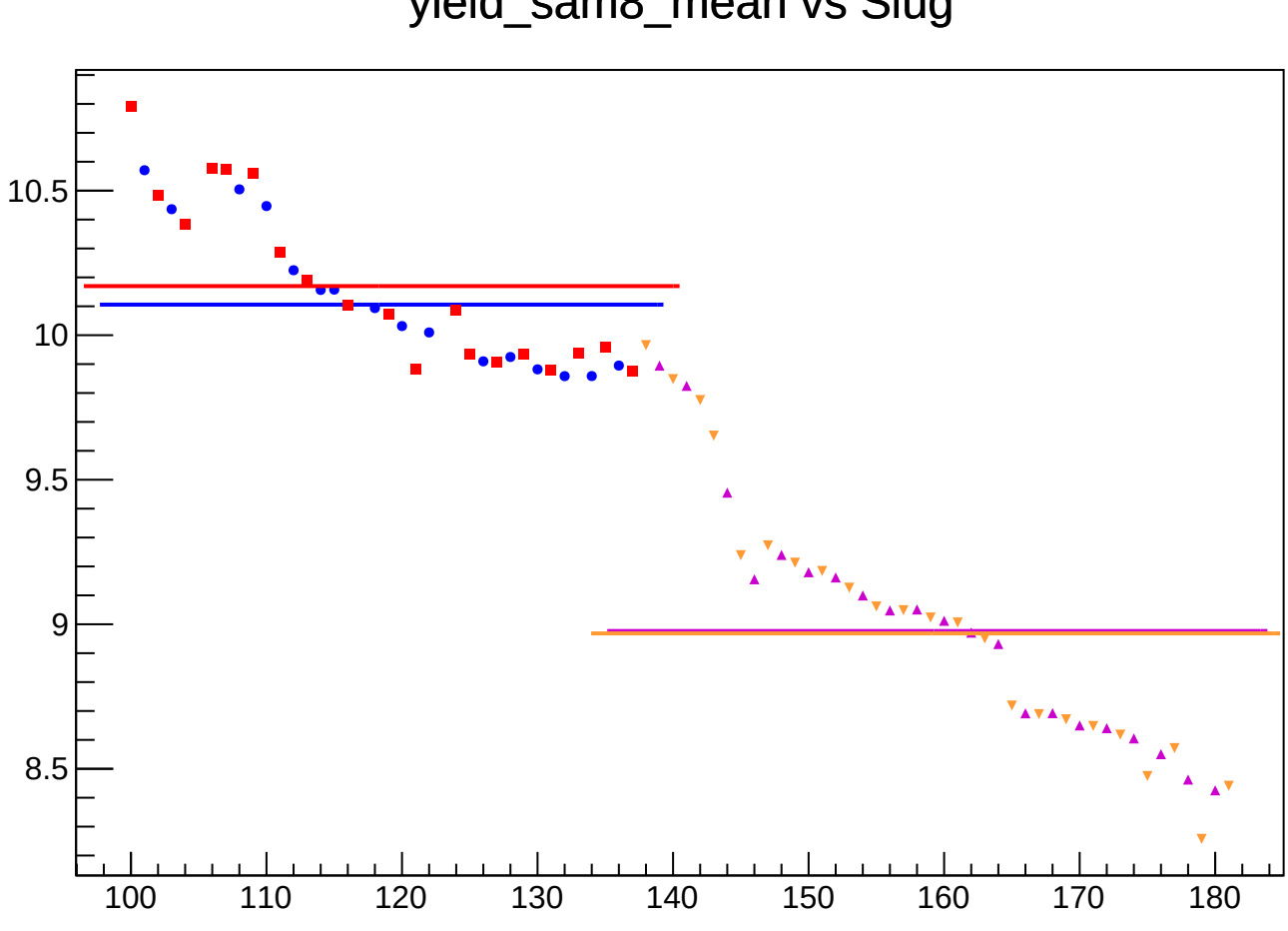
Right Out: 0.002+/-0.000 χ^2/NDF: 2525514.7/18

Left In: 0.002+/-0.000 χ^2/NDF:1331154.6/20

+ sign 0.002+/-0.000 χ^2/NDF: 3396924.0/38

All: 0.002+/-0.000 χ^2/NDF: 7306646.9/78

- sign 0.002+/-0.000 χ^2/NDF: 3902309.8/39



Right In: 10.106+/-0.000 χ^2/NDF: 9126550621.3/15

Left Out: 8.968+/-0.000 χ^2/NDF:60940773277.7/22

Right Out: 10.170+/-0.000 χ^2/NDF: 9135610954.1/18

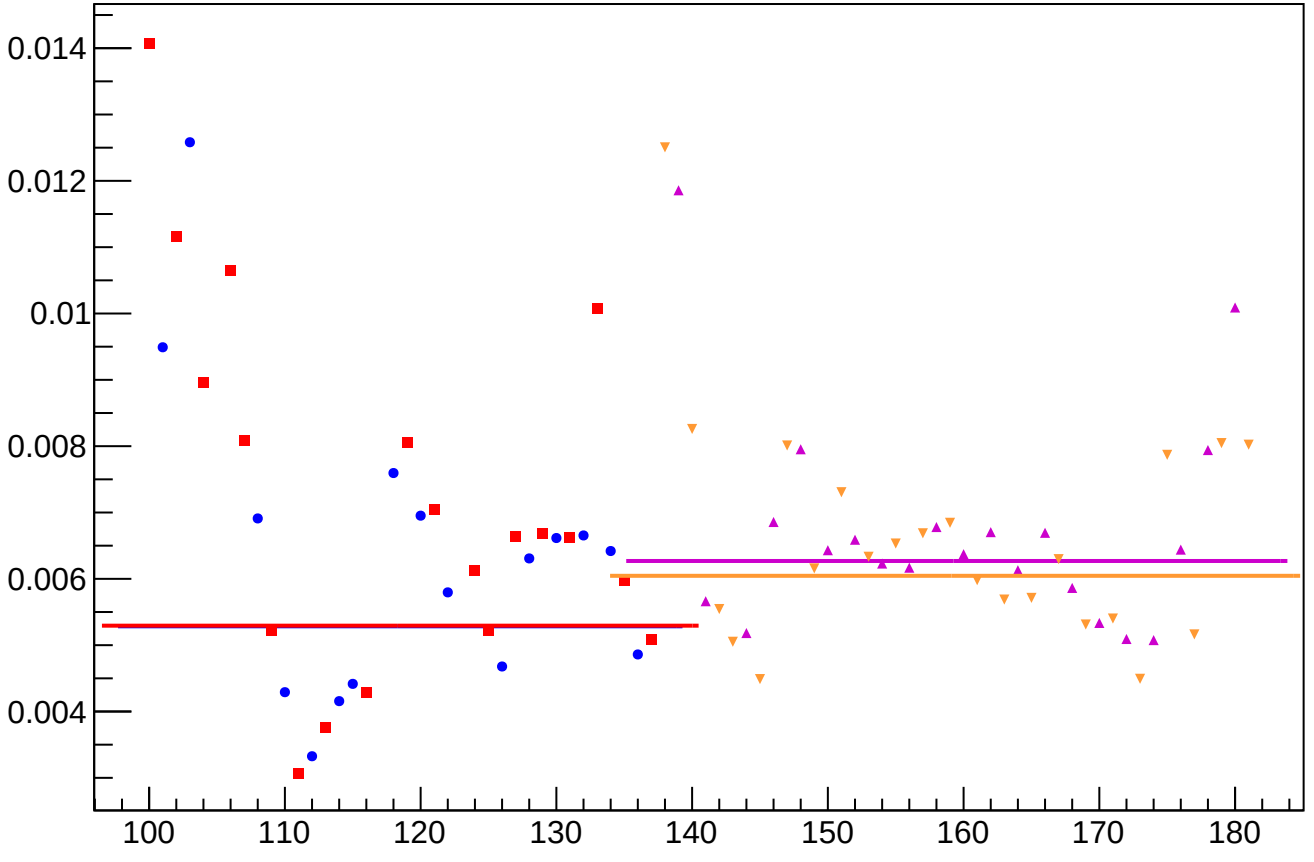
Left In: 8.977+/-0.000 χ^2/NDF:46749621065.8/20

+ sign 9.341+/-0.000 χ^2/NDF: 238219159845.7/38

All: 9.373+/-0.000 χ^2/NDF: 474661440692.6

- sign 9.406+/-0.000 χ^2/NDF: 235255792245.7/39

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:1317782.4/22

Right Out: 0.005+/-0.000 χ^2/NDF: 1792250.8/18

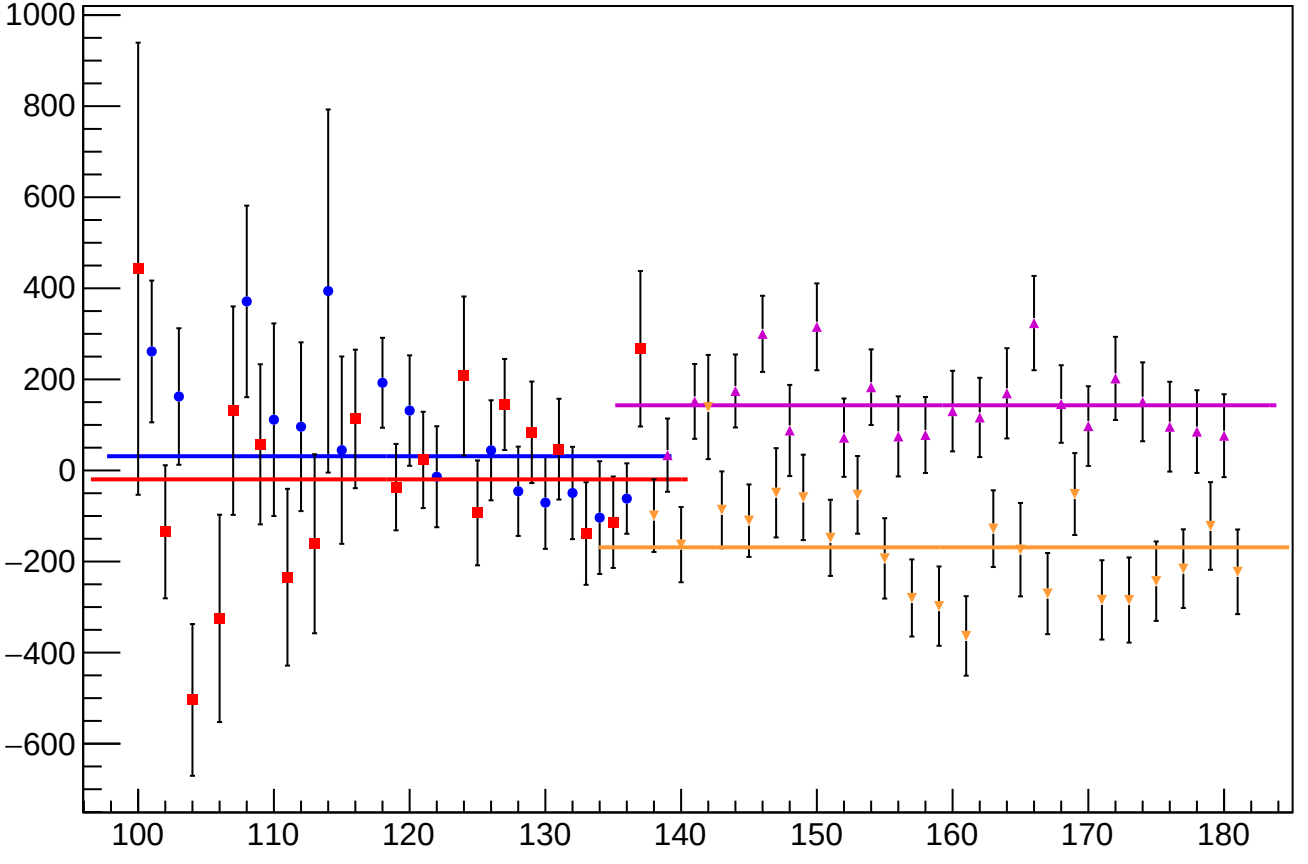
Left In: 0.006+/-0.000 χ^2/NDF:1007128.5/20

+ sign 0.006+/-0.000 χ^2/NDF: 2742573.4/38

All: 0.006+/-0.000 χ^2/NDF: 5790138.5/78

- sign 0.006+/-0.000 χ^2/NDF: 3039088.9/39

reg_asym_sam1_mean vs Slug



Right In: 31.249+/-30.786 χ^2/NDF: 15.1/15

Left Out: -168.818+/-18.481 χ^2/NDF:31.3/22

Right Out: -19.573+/-31.059 χ^2/NDF: 25.9/18

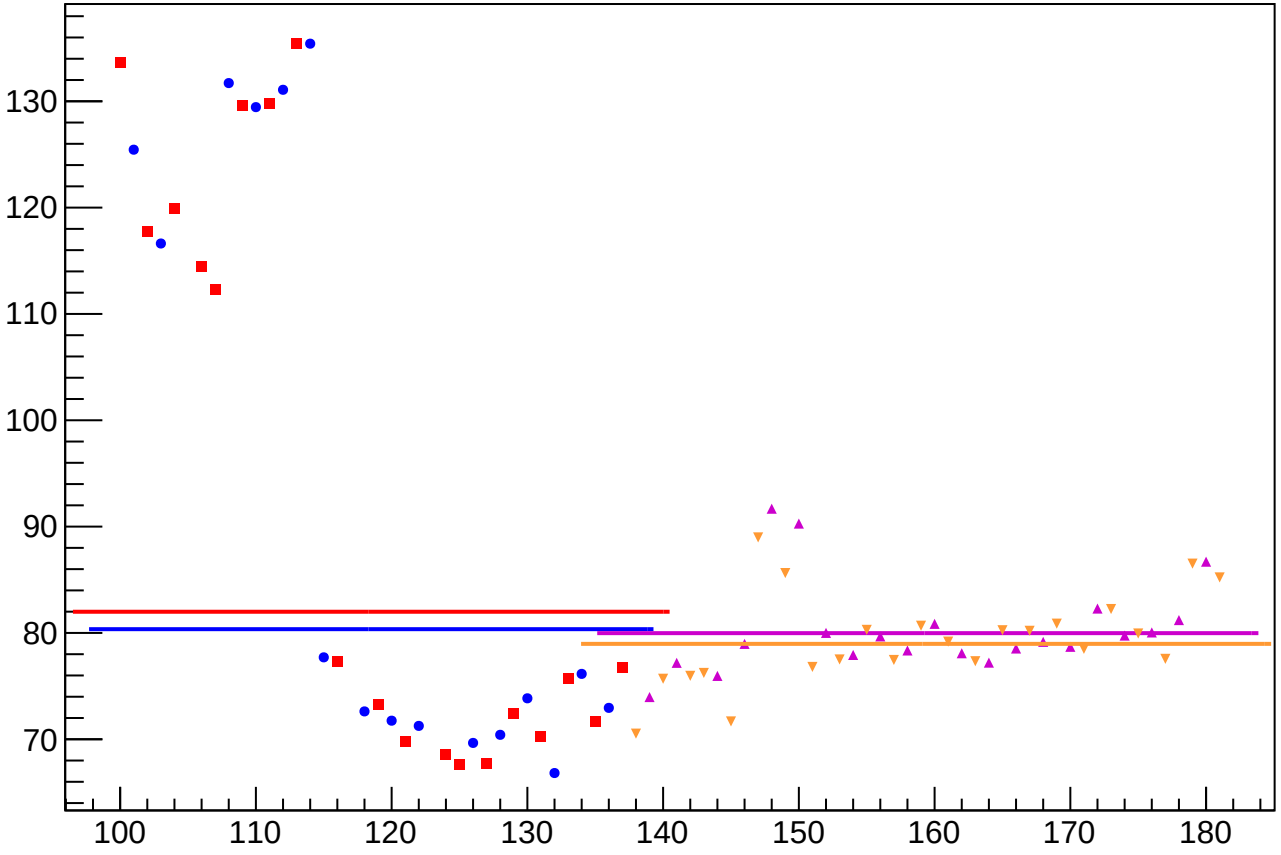
Left In: 143.134+/-19.295 χ^2/NDF:16.3/20

+ sign -115.820+/-15.845 χ^2/NDF: 77.5/38

All: -12.605+/-11.392 χ^2/NDF: 227.3/78

- sign 97.825+/-16.390 χ^2/NDF: 62.0/39

reg_asym_sam1_rms vs Slug



Right In: 80.354+/-0.022 χ^2/NDF: 840039.5/15

Left Out: 78.972+/-0.013 χ^2/NDF:107498.6/22

Right Out: 81.993+/-0.022 χ^2/NDF: 932337.7/18

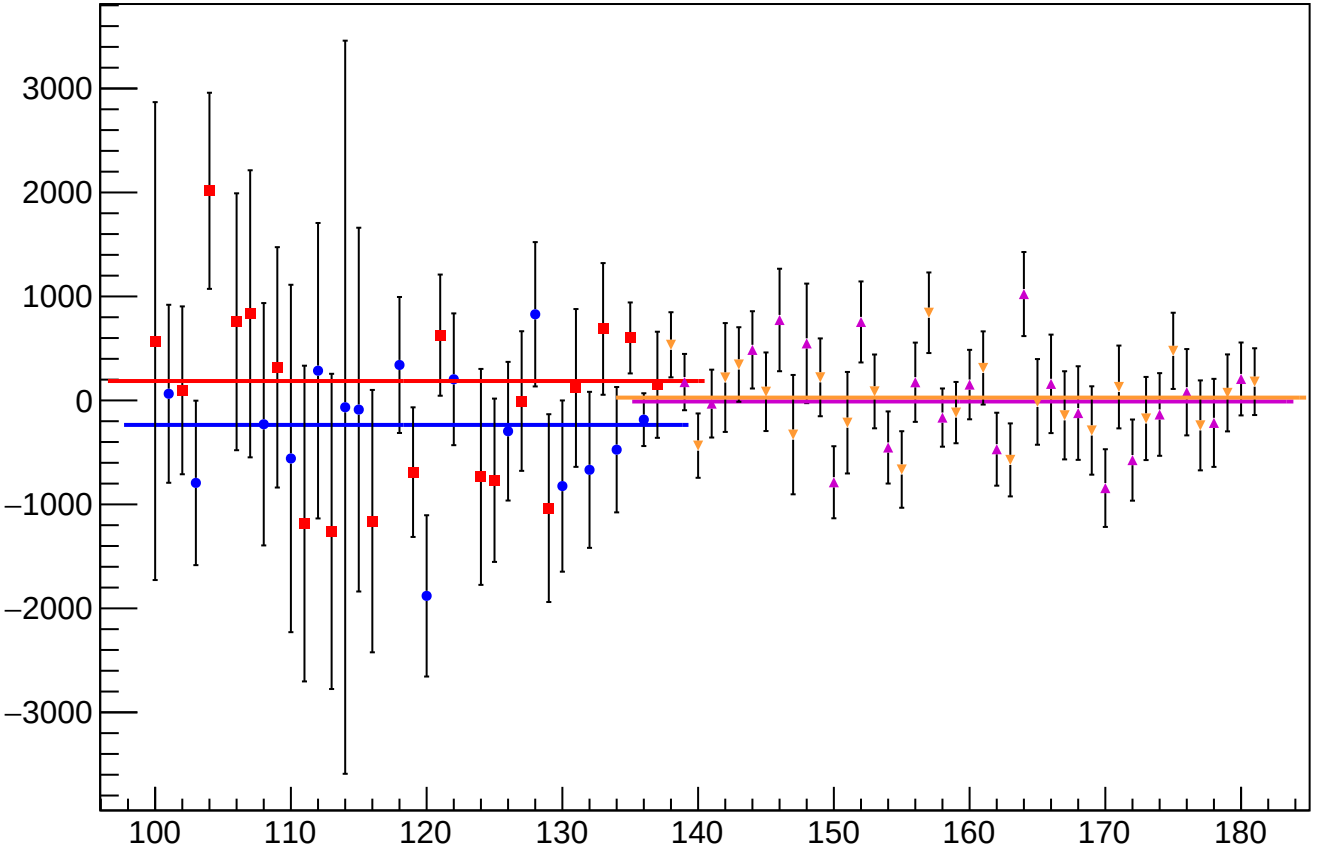
Left In: 79.980+/-0.014 χ^2/NDF:87800.8/20

+ sign 79.338+/-0.011 χ^2/NDF: 950499.2/38

All: 79.919+/-0.008 χ^2/NDF: 1982261.4/78

- sign 80.541+/-0.012 χ^2/NDF: 1026199.0/39

asym_sam1_reg_correction_mean vs Slug



Right In: -235.521+/-163.765 χ^2/NDF: 9.9/15

Left Out: 27.077+/-78.461 χ^2/NDF:21.7/22

Right Out: 186.618+/-170.394 χ^2/NDF: 16.0/18

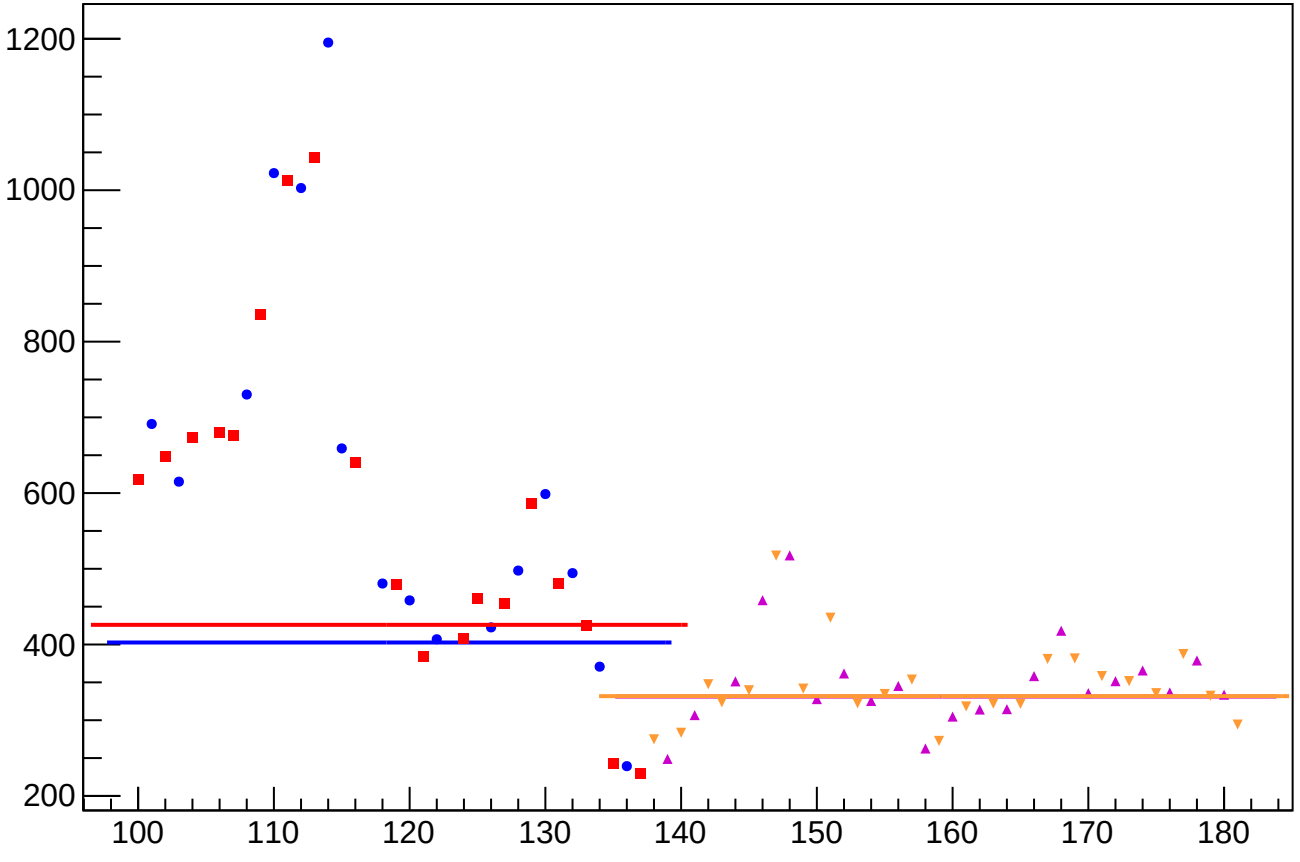
Left In: -10.276+/-80.990 χ^2/NDF:33.3/20

\+ sign -21.948+/-70.759 χ^2/NDF: 33.7/38

All: 1.235+/-50.858 χ^2/NDF: 84.3/78

\- sign 26.009+/-73.147 χ^2/NDF: 50.3/39

asym_sam1_reg_correction_rms vs Slug



Right In: 402.658+/-0.116 χ^2/NDF: 2360092.2/15

Left Out: 331.795+/-0.055 χ^2/NDF:642476.8/22

Right Out: 425.980+/-0.120 χ^2/NDF: 2368792.4/18

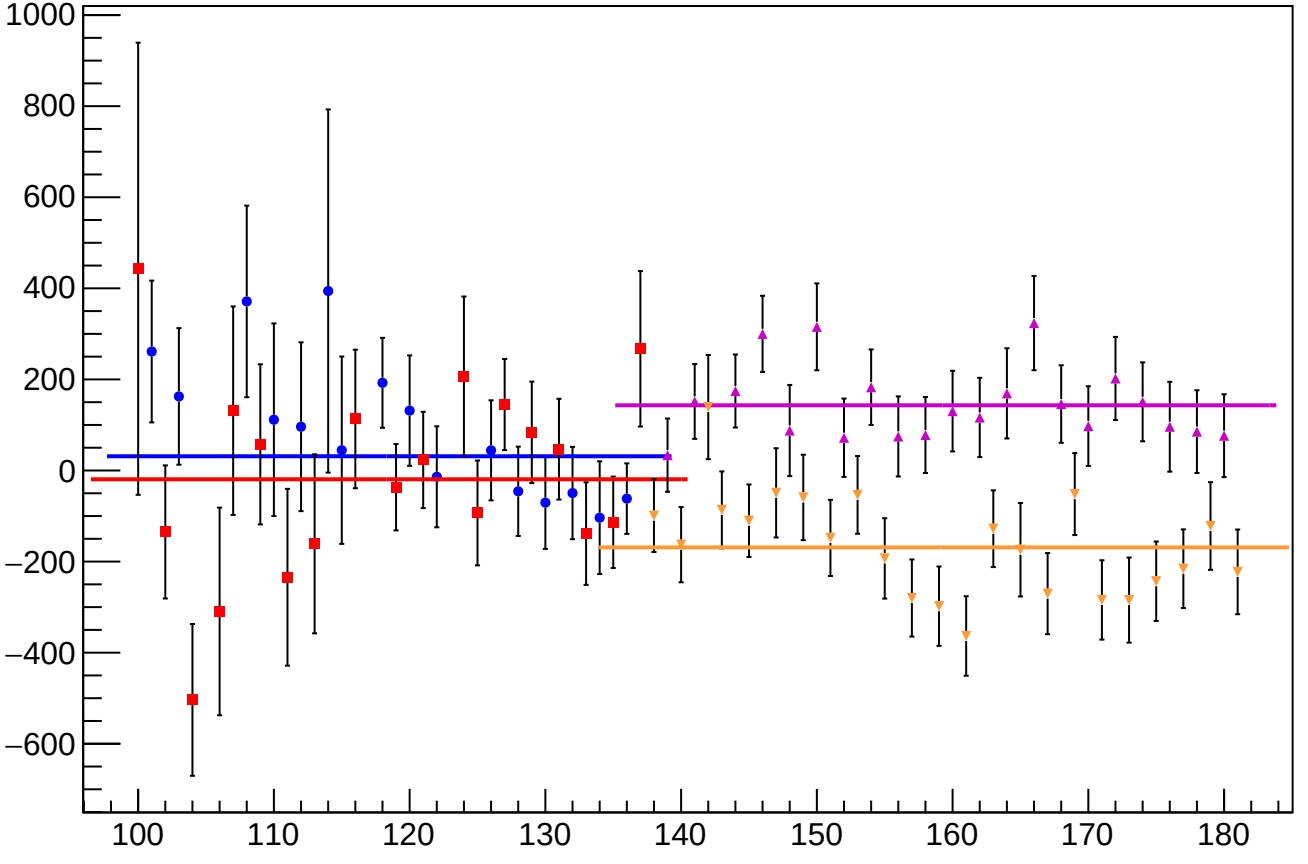
Left In: 331.256+/-0.057 χ^2/NDF:830057.9/20

+ sign 345.024+/-0.050 χ^2/NDF: 3307132.8/38

All: 346.807+/-0.036 χ^2/NDF: 7012778.4/78

- sign 348.712+/-0.052 χ^2/NDF: 3703019.5/39

cor_asym_sam1_mean vs Slug



Right In: 31.260+/-30.786 χ^2/NDF: 15.1/15

Left Out: -168.818+/-18.481 χ^2/NDF:31.3/22

Right Out: -19.282+/-31.060 χ^2/NDF: 25.7/18

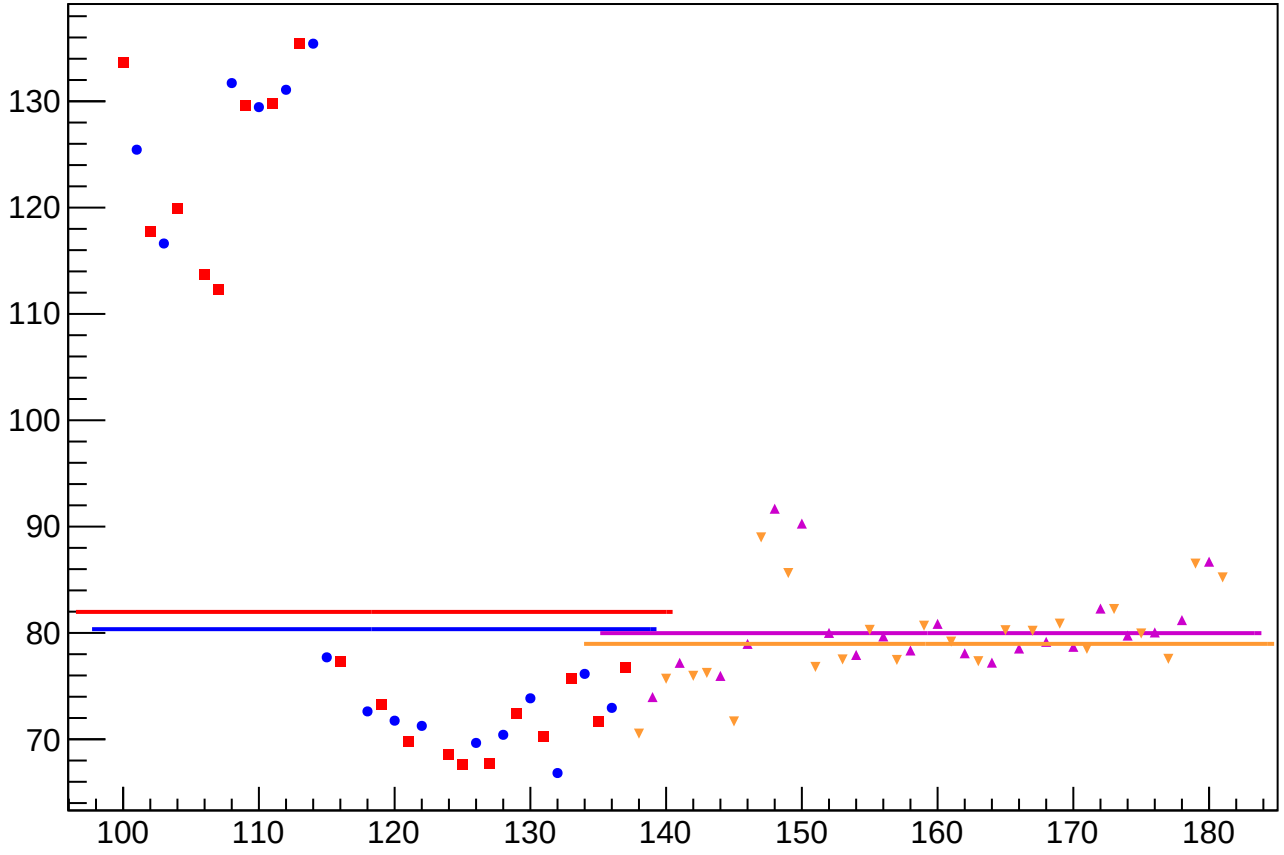
Left In: 143.139+/-19.295 χ^2/NDF:16.3/20

\+ sign -115.817+/-15.845 χ^2/NDF: 77.5/38

All: -12.563+/-11.392 χ^2/NDF: 227.1/78

\- sign 97.911+/-16.390 χ^2/NDF: 61.8/39

cor_asym_sam1_rms vs Slug



Right In: 80.354+/-0.022 χ^2/NDF: 840039.7/15

Left Out: 78.972+/-0.013 χ^2/NDF:107498.6/22

Right Out: 81.978+/-0.022 χ^2/NDF: 930466.5/18

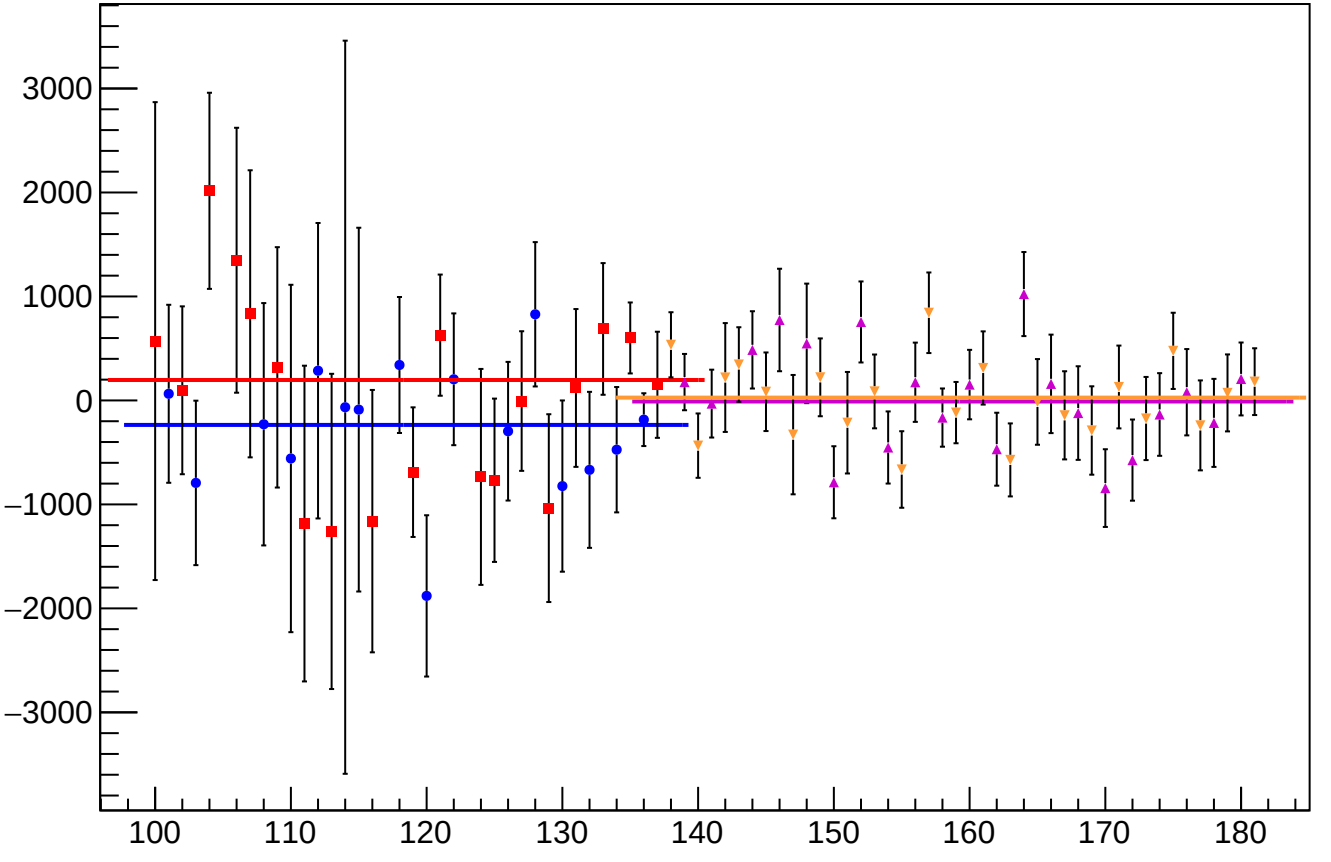
Left In: 79.980+/-0.014 χ^2/NDF:87800.8/20

+ sign 79.338+/-0.011 χ^2/NDF: 950499.4/38

All: 79.917+/-0.008 χ^2/NDF: 1980261.0/78

- sign 80.536+/-0.012 χ^2/NDF: 1024237.3/39

asym_sam1_cor_correction_mean vs Slug



Right In: -235.519+/-163.765 χ^2/NDF: 9.9/15

Left Out: 27.075+/-78.461 χ^2/NDF:21.7/22

Right Out: 196.579+/-170.492 χ^2/NDF: 16.6/18

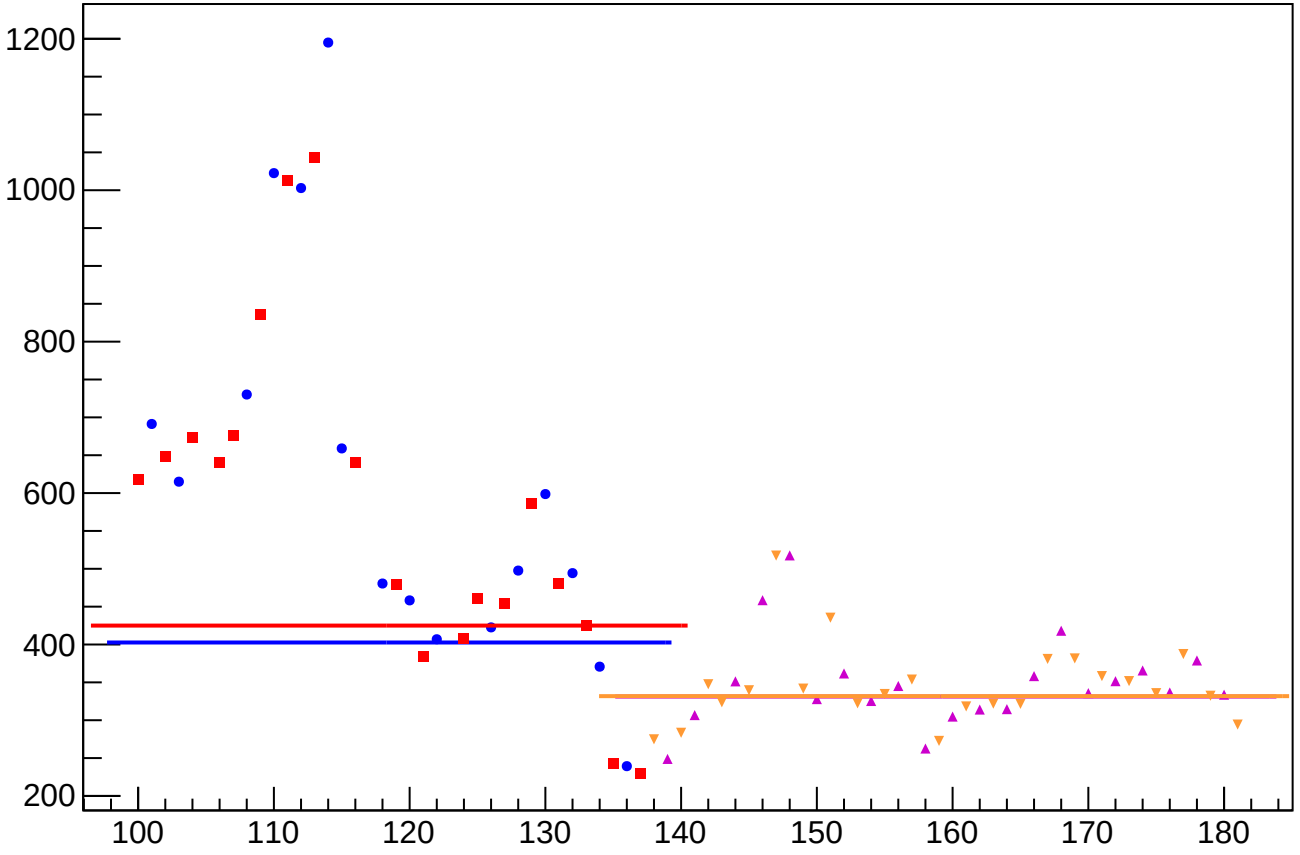
Left In: -10.271+/-80.990 χ^2/NDF:33.3/20

+ sign -21.949+/-70.759 χ^2/NDF: 33.7/38

All: 2.104+/-50.860 χ^2/NDF: 85.0/78

- sign 27.812+/-73.155 χ^2/NDF: 51.0/39

asym_sam1_cor_correction_rms vs Slug



Right In: 402.658+/-0.116 χ^2/NDF: 2360087.3/15

Left Out: 331.795+/-0.055 χ^2/NDF:642485.1/22

Right Out: 424.988+/-0.121 χ^2/NDF: 2341027.2/18

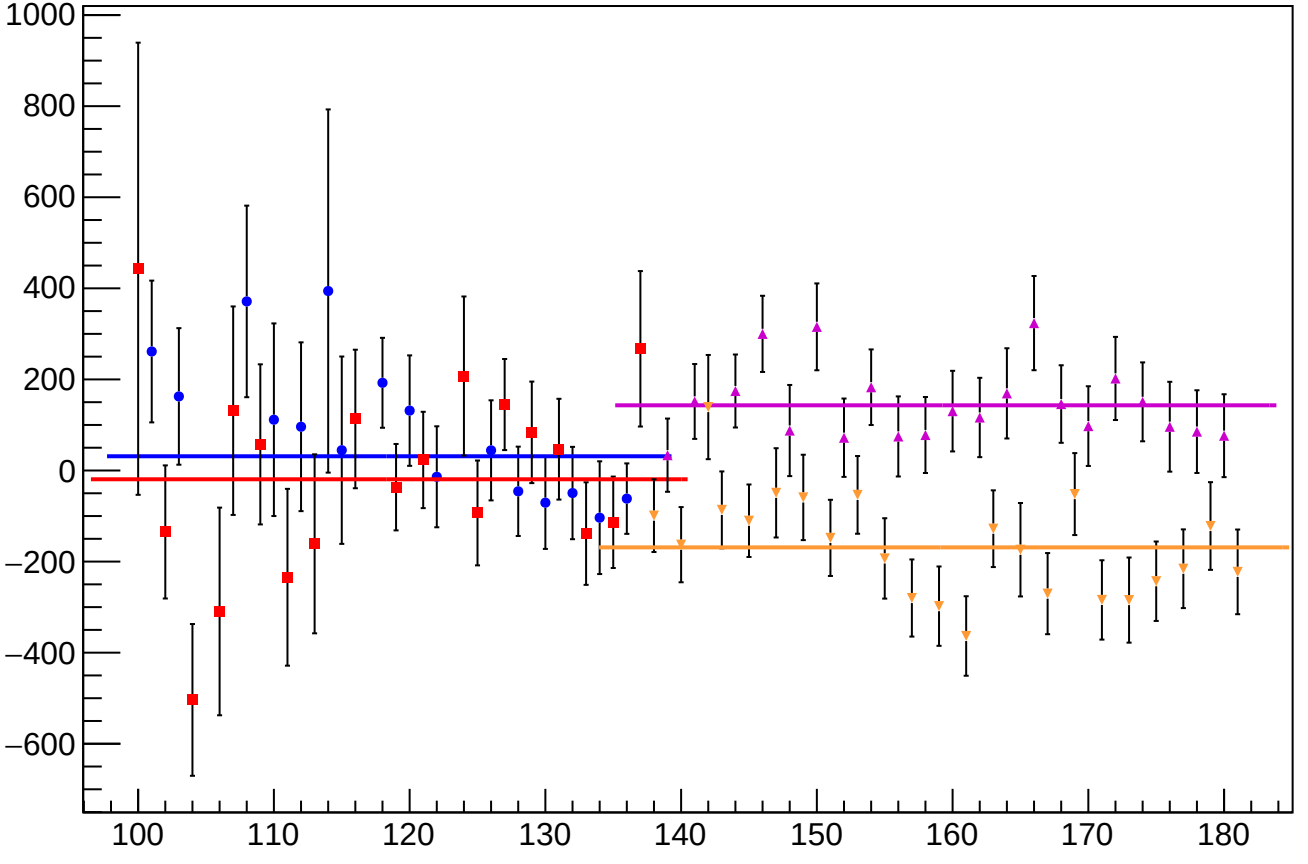
Left In: 331.256+/-0.057 χ^2/NDF:830058.3/20

+ sign 345.024+/-0.050 χ^2/NDF: 3307138.8/38

All: 346.711+/-0.036 χ^2/NDF: 6973776.3/78

- sign 348.513+/-0.052 χ^2/NDF: 3664287.4/39

eigen_cor_asym_sam1_mean vs Slug



Right In: 31.260+/-30.786 χ^2/NDF: 15.1/15

Left Out: -168.818+/-18.481 χ^2/NDF:31.3/22

Right Out: -19.282+/-31.060 χ^2/NDF: 25.7/18

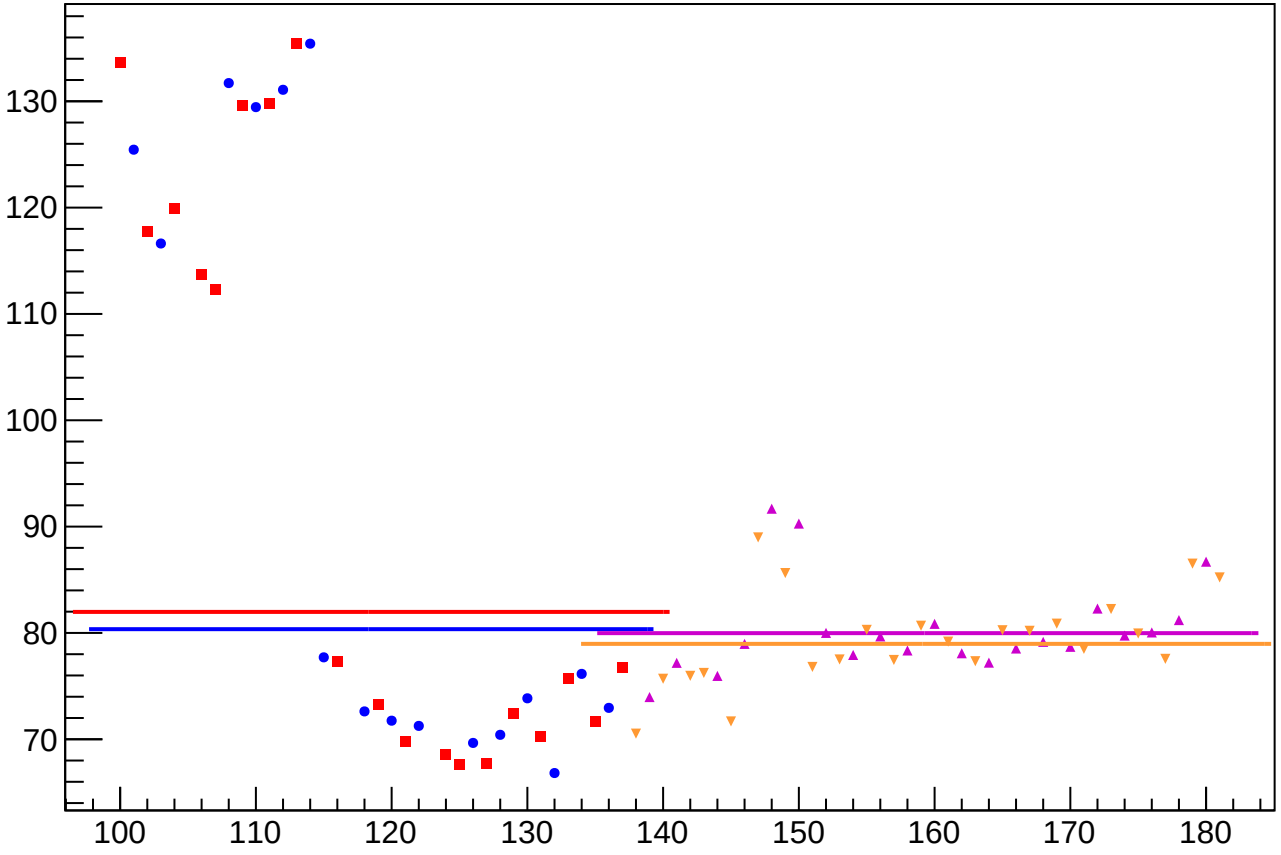
Left In: 143.139+/-19.295 χ^2/NDF:16.3/20

\+ sign -115.817+/-15.845 χ^2/NDF: 77.5/38

All: -12.563+/-11.392 χ^2/NDF: 227.1/78

\- sign 97.911+/-16.390 χ^2/NDF: 61.8/39

eigen_cor_asym_sam1_rms vs Slug



Right In: 80.354+/-0.022 χ^2/NDF: 840039.7/15

Left Out: 78.972+/-0.013 χ^2/NDF:107498.6/22

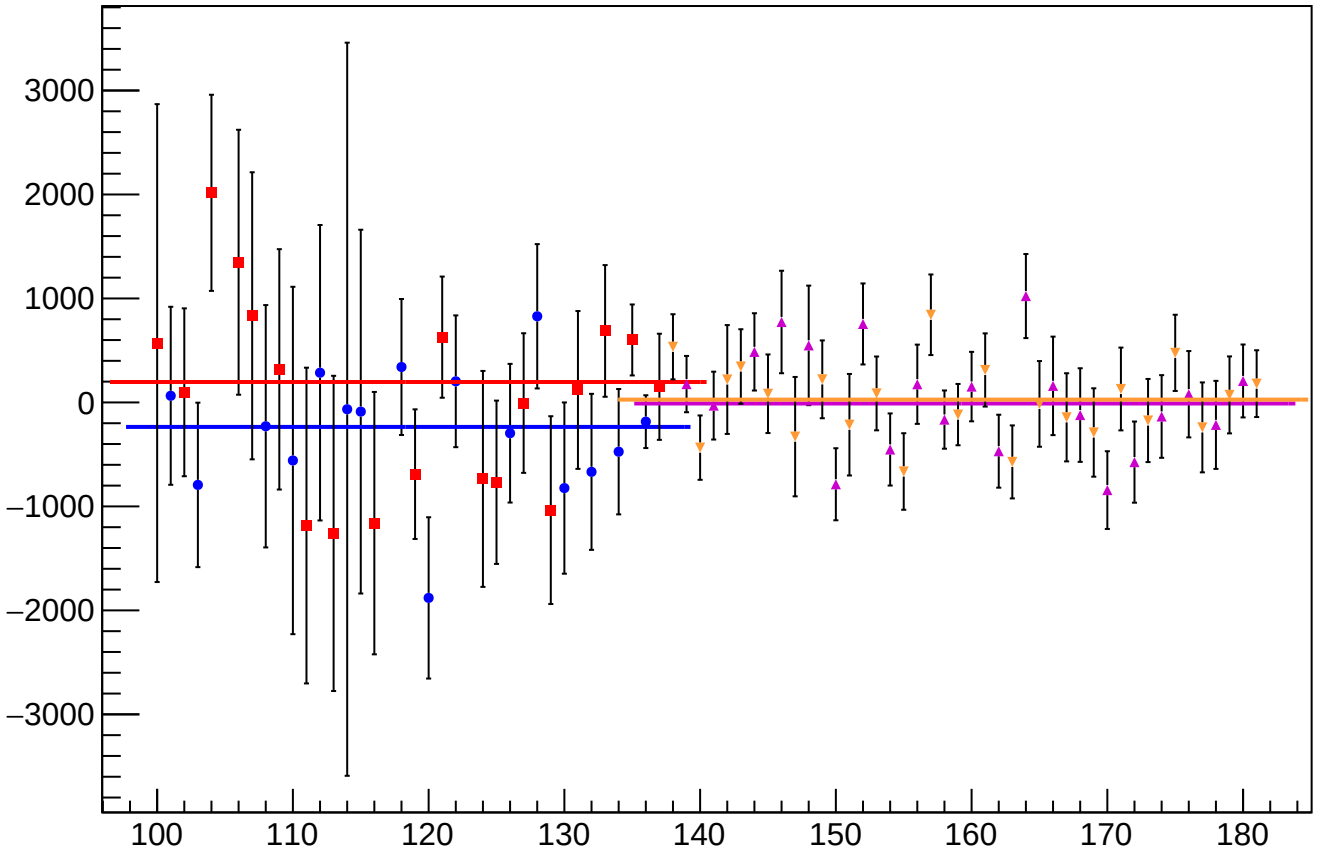
Right Out: 81.978+/-0.022 χ^2/NDF: 930466.5/18

Left In: 79.980+/-0.014 χ^2/NDF:87800.8/20

+ sign 79.338+/-0.011 χ^2/NDF: 950499.4/38

All: 79.917+/-0.008 χ^2/NDF: 1980261.0/78

- sign 80.536+/-0.012 χ^2/NDF: 1024237.3/39



Right In: -235.519+/-163.765 χ^2/NDF: 9.9/15

Left Out: 27.075+/-78.461 χ^2/NDF:21.7/22

Right Out: 196.579+/-170.492 χ^2/NDF: 16.6/18

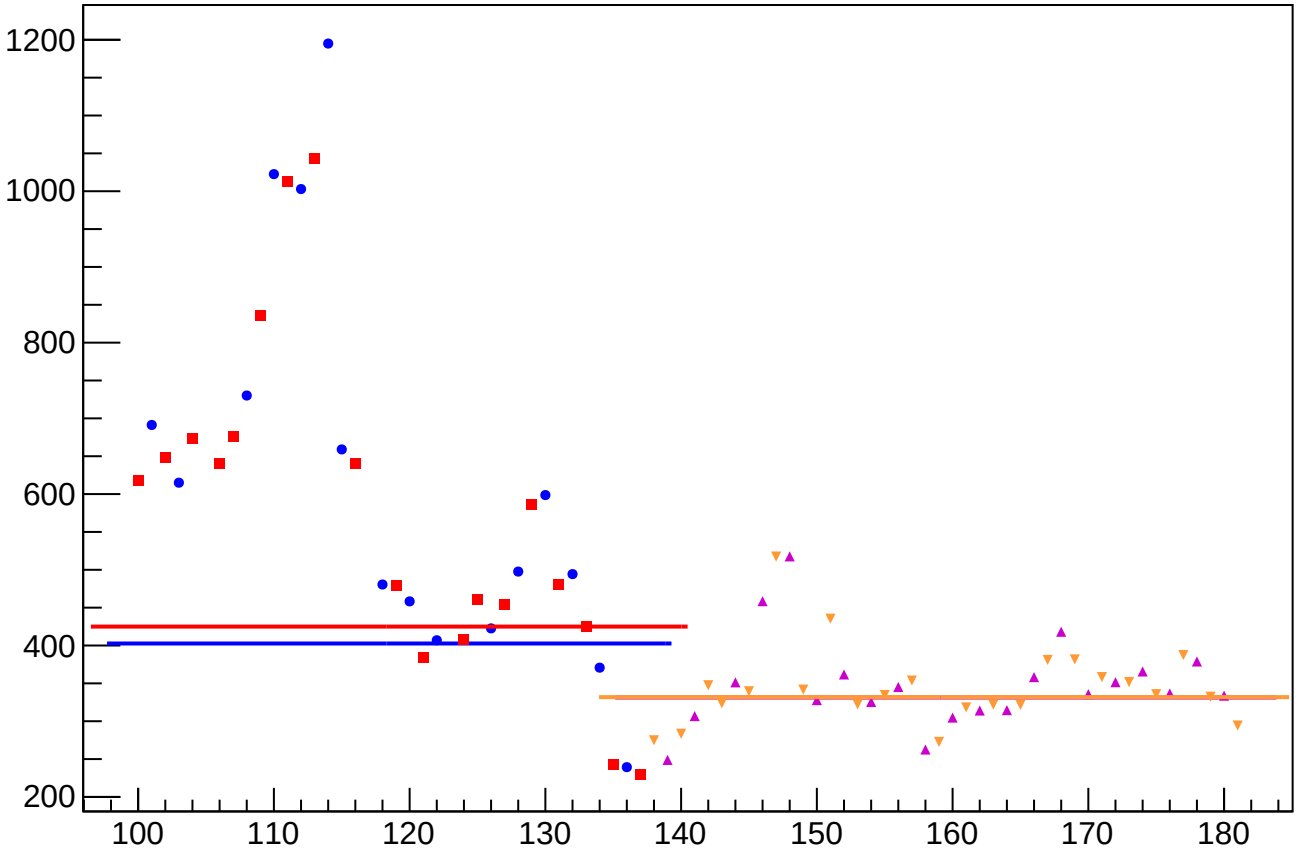
Left In: -10.271+/-80.990 χ^2/NDF:33.3/20

\+ sign -21.949+/-70.759 χ^2/NDF: 33.7/38

All: 2.104+/-50.860 χ^2/NDF: 85.0/78

\- sign 27.812+/-73.155 χ^2/NDF: 51.0/39

asym_sam1_eigen_cor_correction_rms vs Slug



Right In: 402.658+/-0.116 χ^2/NDF: 2360087.3/15

Left Out: 331.795+/-0.055 χ^2/NDF:642485.1/22

Right Out: 424.988+/-0.121 χ^2/NDF: 2341027.2/18

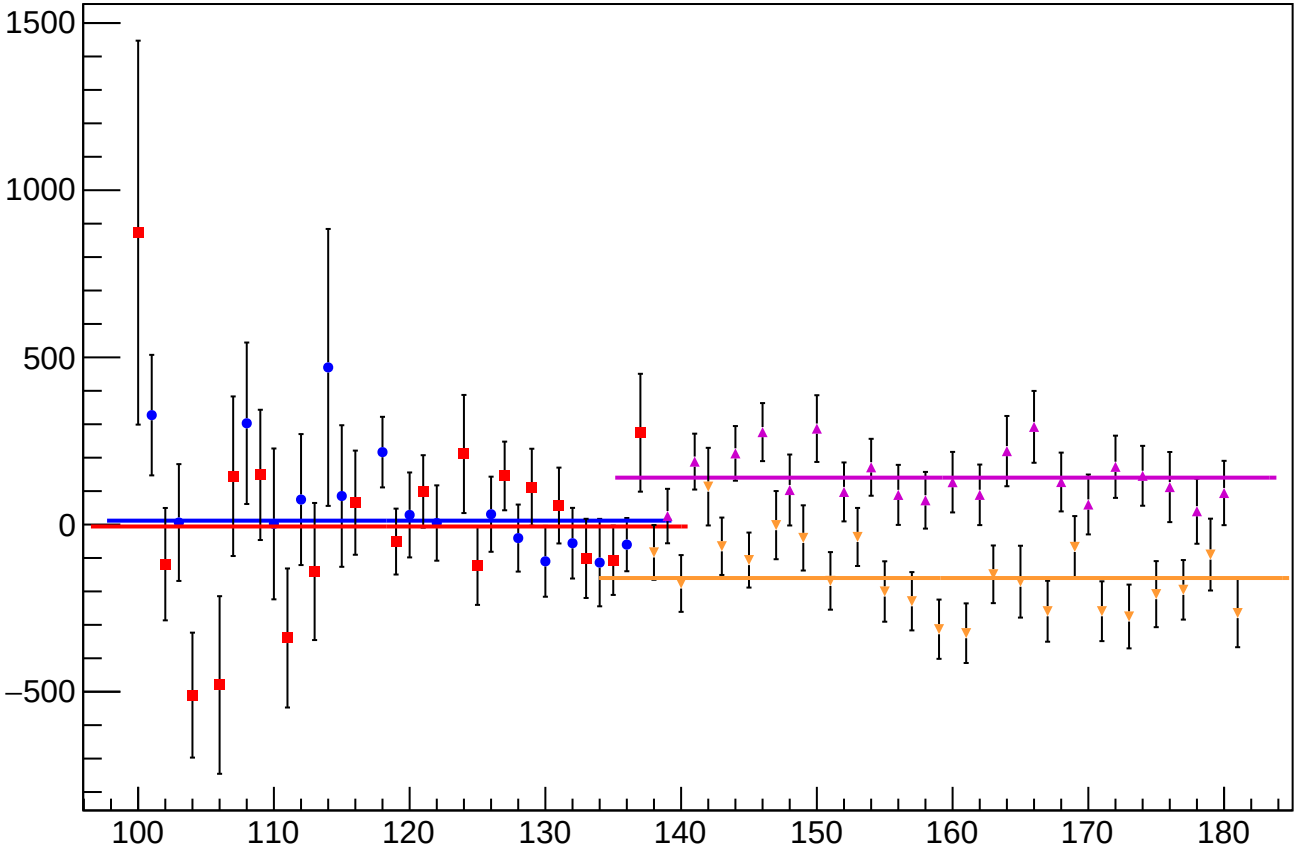
Left In: 331.256+/-0.057 χ^2/NDF:830058.3/20

+ sign 345.024+/-0.050 χ^2/NDF: 3307138.8/38

All: 346.711+/-0.036 χ^2/NDF: 6973776.3/78

- sign 348.513+/-0.052 χ^2/NDF: 3664287.4/39

dit_asym_sam1_mean vs Slug



Right In: 11.651+/-32.297 χ^2/NDF: 13.5/15

Left Out: -159.943+/-19.151 χ^2/NDF:28.1/22

Right Out: -5.817+/-32.444 χ^2/NDF: 28.8/18

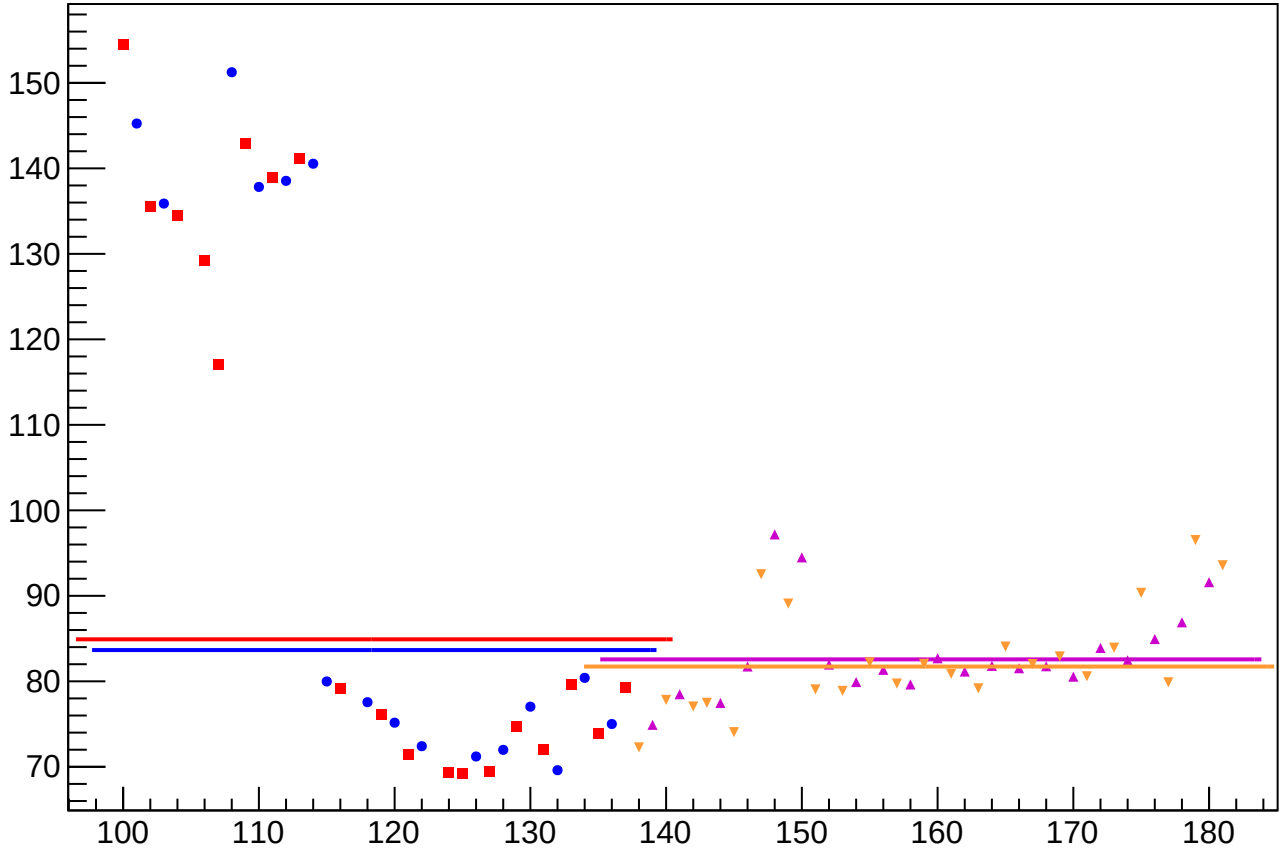
Left In: 140.281+/-19.939 χ^2/NDF:14.4/20

+ sign -115.306+/-16.473 χ^2/NDF: 62.5/38

All: -10.855+/-11.826 χ^2/NDF: 203.4/78

- sign 100.227+/-16.988 χ^2/NDF: 57.9/39

dit_asym_sam1_rms vs Slug



Right In: 83.657+/-0.023 χ^2/NDF: 1034794.6/15

Left Out: 81.728+/-0.014 χ^2/NDF:181054.9/22

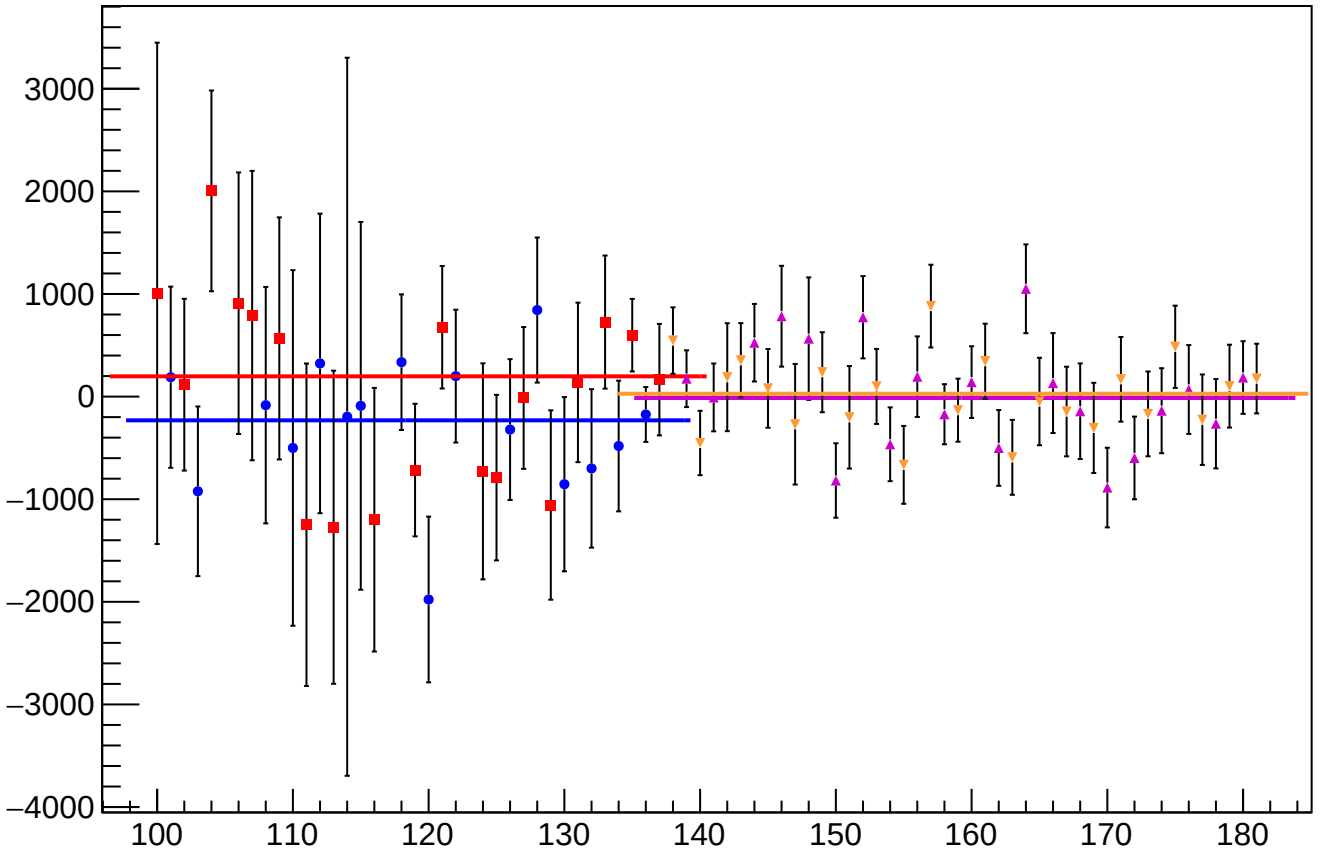
Right Out: 84.913+/-0.023 χ^2/NDF: 1121669.5/18

Left In: 82.567+/-0.014 χ^2/NDF:126760.5/20

+ sign 82.230+/-0.012 χ^2/NDF: 1221126.1/38

All: 82.705+/-0.008 χ^2/NDF: 2480577.1/78

- sign 83.210+/-0.012 χ^2/NDF: 1256019.3/39



Right In: -231.407+/-170.133 χ^2/NDF: 10.4/15

Left Out: 27.728+/-81.330 χ^2/NDF:21.3/22

Right Out: 197.206+/-176.091 χ^2/NDF: 15.9/18

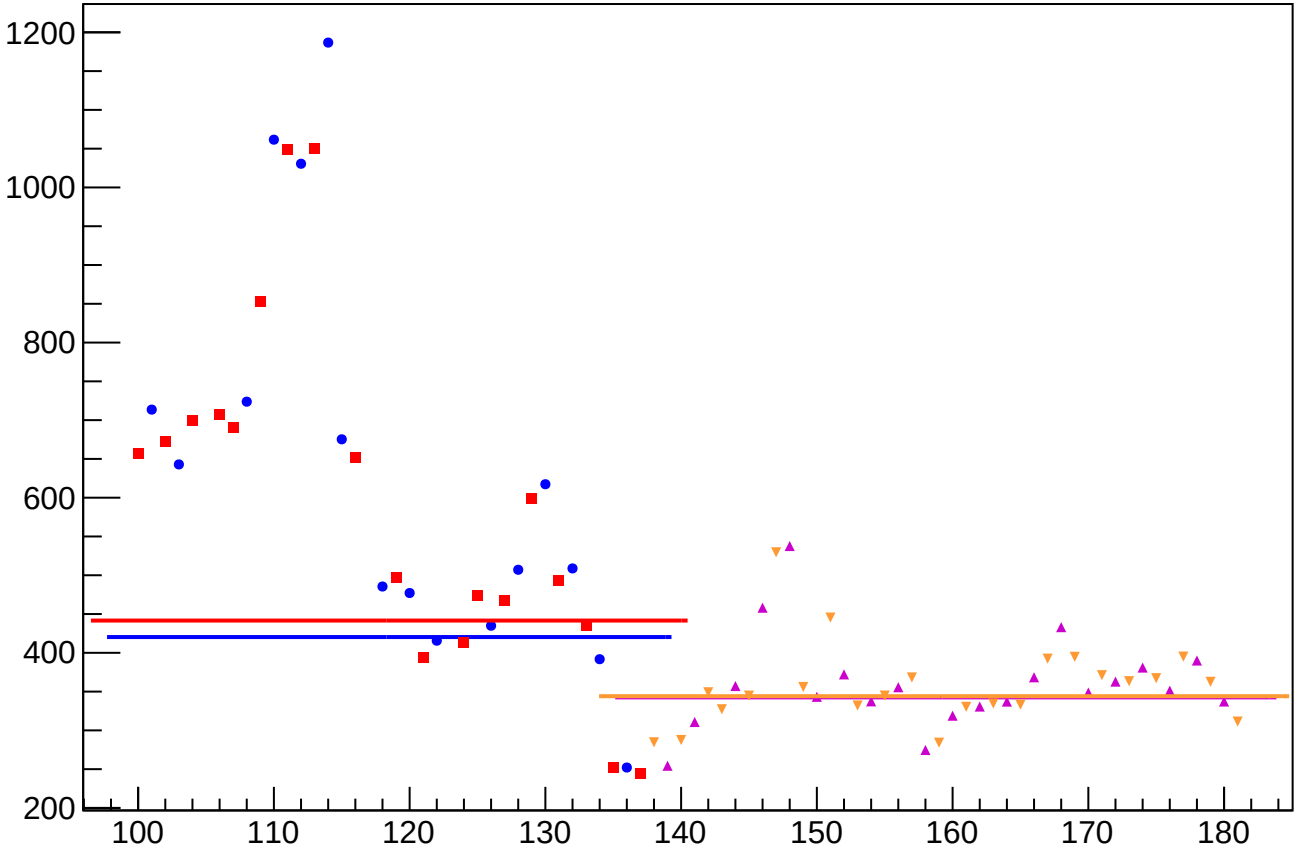
Left In: -13.605+/-83.690 χ^2/NDF:33.1/20

+ sign -20.474+/-73.377 χ^2/NDF: 33.6/38

All: 1.704+/-52.649 χ^2/NDF: 83.9/78

- sign 25.239+/-75.588 χ^2/NDF: 50.1/39

asym_sam1_dit_correction_rms vs Slug



Right In: 420.329+/-0.120 χ^2/NDF: 2254610.0/15

Left Out: 344.059+/-0.058 χ^2/NDF:631420.3/22

Right Out: 441.598+/-0.125 χ^2/NDF: 2307588.5/18

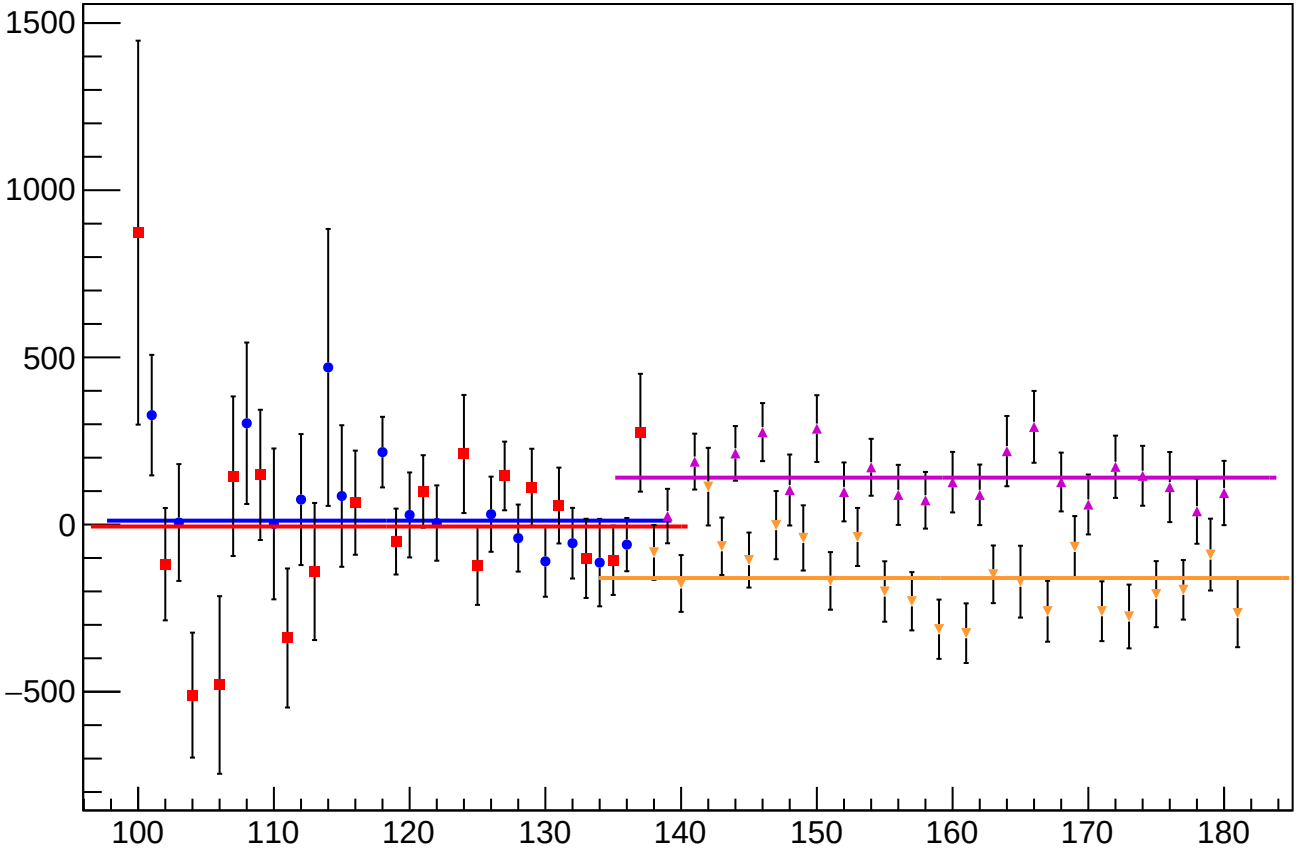
Left In: 342.517+/-0.059 χ^2/NDF:810625.5/20

+ sign 358.246+/-0.052 χ^2/NDF: 3213211.6/38

All: 359.472+/-0.037 χ^2/NDF: 6849099.5/78

- sign 360.773+/-0.053 χ^2/NDF: 3634736.9/39

eigen_dit_asym_sam1_mean vs Slug



Right In: 11.652+/-32.297 χ^2/NDF: 13.5/15

Left Out: -159.943+/-19.151 χ^2/NDF:28.1/22

Right Out: -5.816+/-32.444 χ^2/NDF: 28.8/18

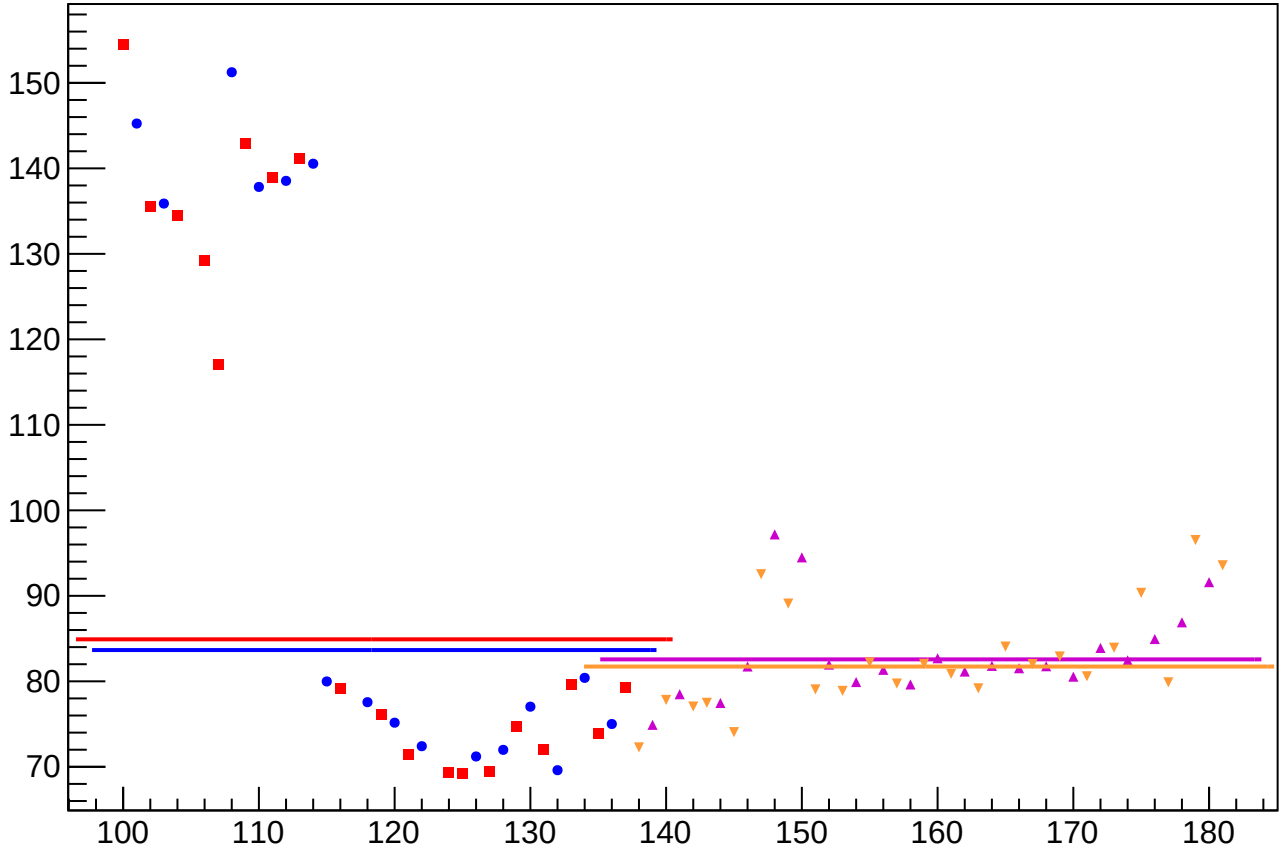
Left In: 140.282+/-19.939 χ^2/NDF:14.4/20

\+ sign -115.305+/-16.473 χ^2/NDF: 62.5/38

All: -10.855+/-11.826 χ^2/NDF: 203.4/78

\- sign 100.228+/-16.988 χ^2/NDF: 57.9/39

eigen_dit_asym_sam1_rms vs Slug



Right In: 83.657+/-0.023 χ^2/NDF: 1034794.1/15

Left Out: 81.728+/-0.014 χ^2/NDF:181055.0/22

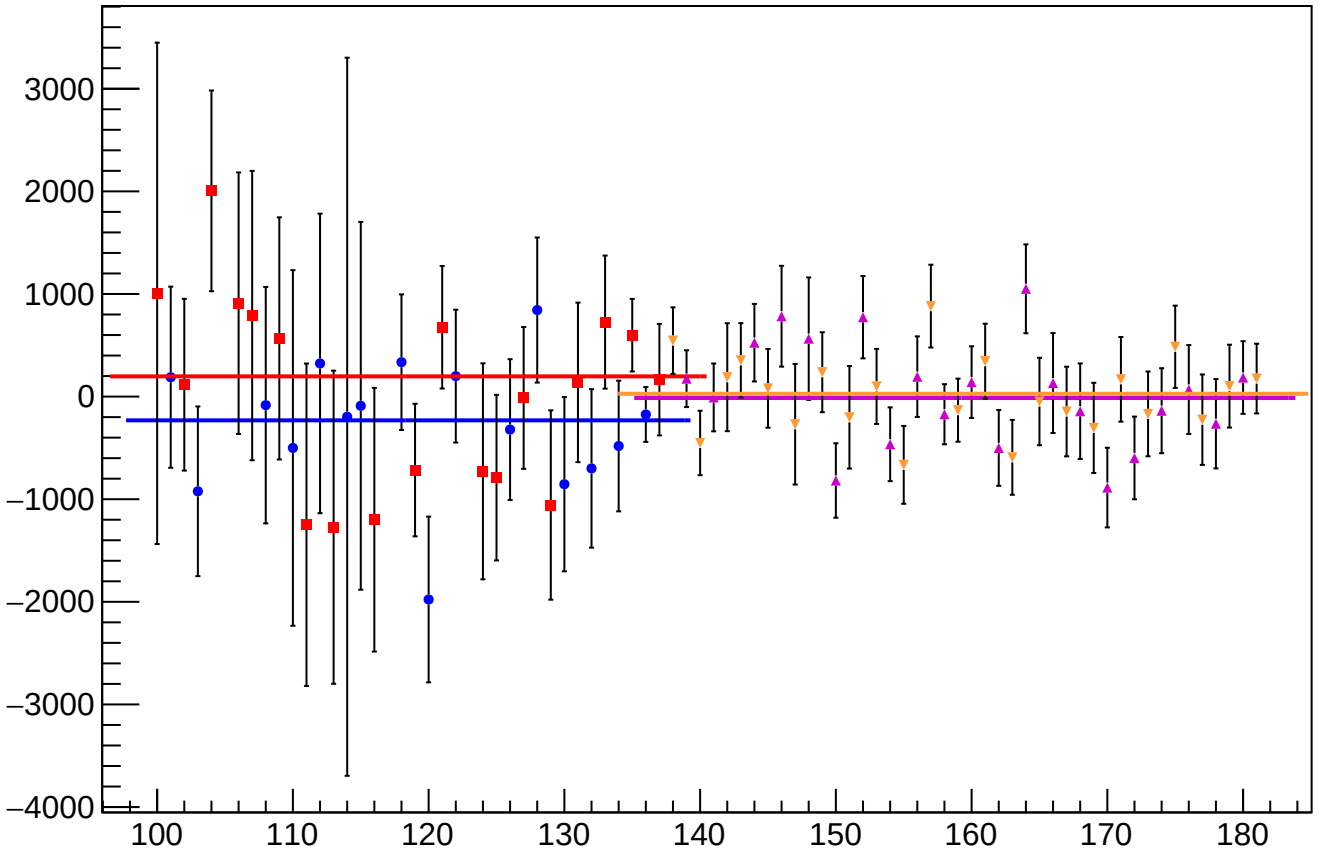
Right Out: 84.913+/-0.023 χ^2/NDF: 1121668.5/18

Left In: 82.567+/-0.014 χ^2/NDF:126759.0/20

+ sign 82.230+/-0.012 χ^2/NDF: 1221125.5/38

All: 82.705+/-0.008 χ^2/NDF: 2480573.6/78

- sign 83.210+/-0.012 χ^2/NDF: 1256016.5/39



Right In: -231.405+/-170.132 χ^2/NDF: 10.4/15

Left Out: 27.729+/-81.330 χ^2/NDF:21.3/22

Right Out: 197.207+/-176.091 χ^2/NDF: 15.9/18

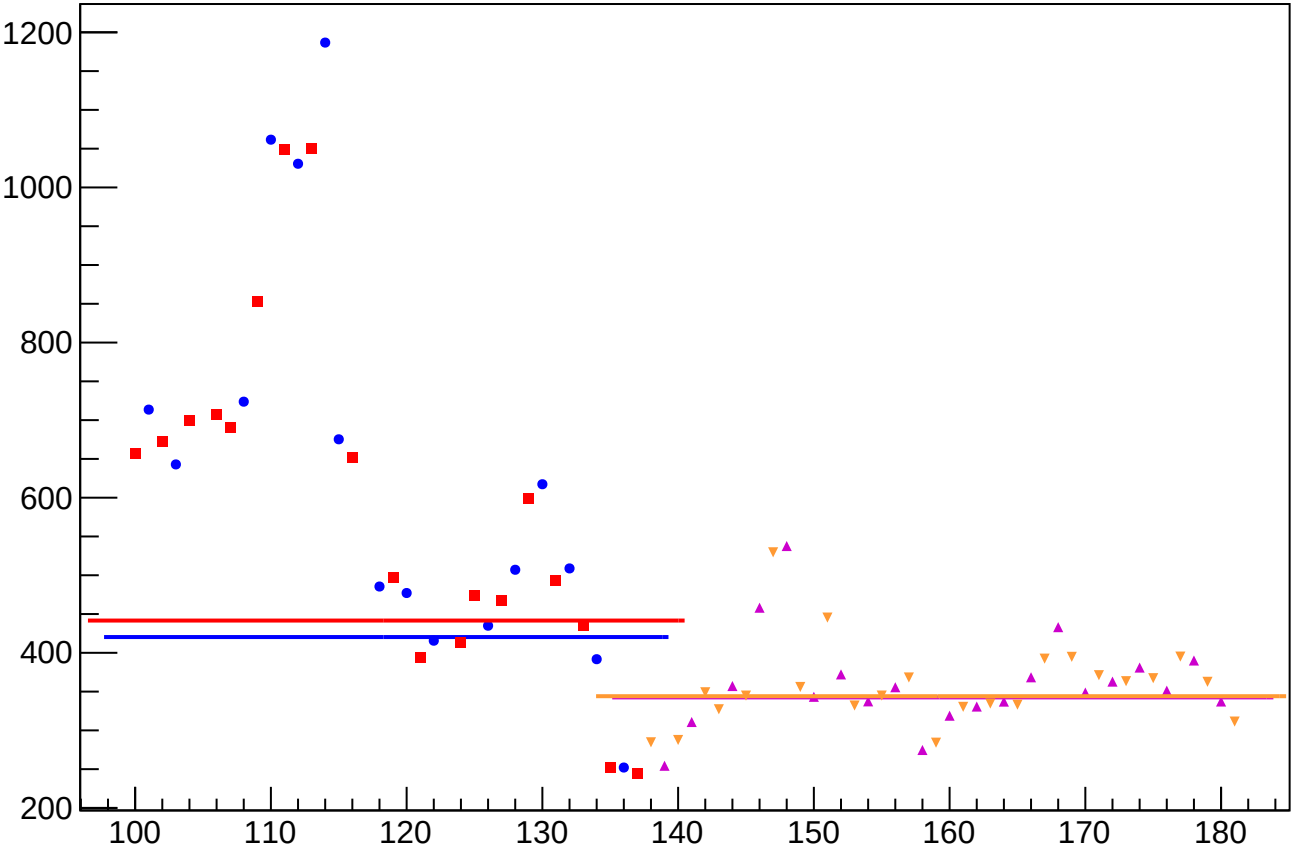
Left In: -13.605+/-83.690 χ^2/NDF:33.1/20

+ sign -20.473+/-73.377 χ^2/NDF: 33.6/38

All: 1.705+/-52.649 χ^2/NDF: 83.9/78

- sign 25.239+/-75.587 χ^2/NDF: 50.1/39

asym_sam1_eigen_dit_correction_rms vs Slug



Right In: 420.329+/-0.120 χ^2/NDF: 2254614.9/15

Left Out: 344.058+/-0.058 χ^2/NDF:631422.1/22

Right Out: 441.597+/-0.125 χ^2/NDF: 2307595.1/18

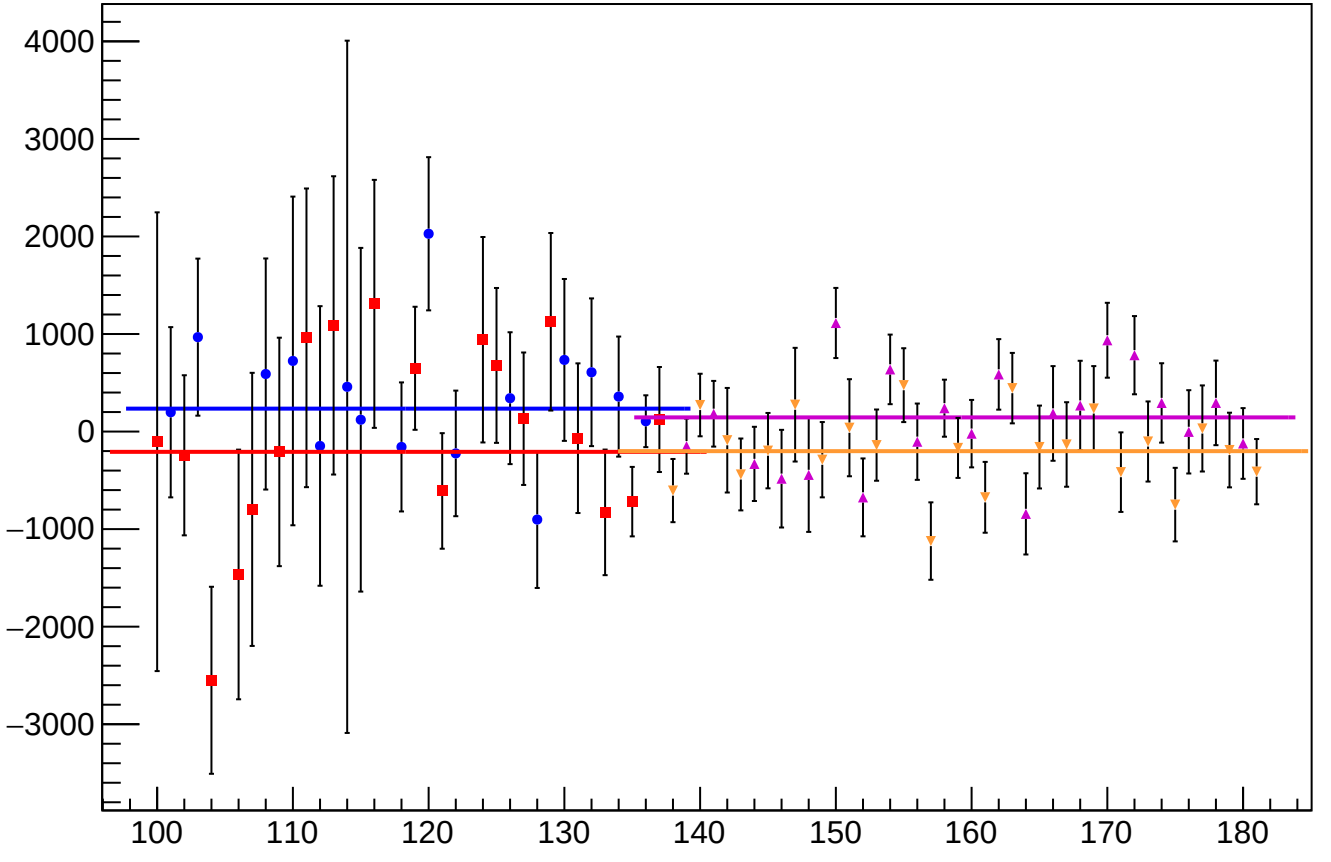
Left In: 342.516+/-0.059 χ^2/NDF:810628.4/20

+ sign 358.246+/-0.052 χ^2/NDF: 3213213.9/38

All: 359.472+/-0.037 χ^2/NDF: 6849105.1/78

- sign 360.773+/-0.053 χ^2/NDF: 3634740.2/39

asym_sam1_mean vs Slug



Right In: 235.054+/-168.199 χ^2/NDF: 10.7/15

Left Out: -200.840+/-80.791 χ^2/NDF:22.8/22

Right Out: -207.936+/-174.716 χ^2/NDF: 20.4/18

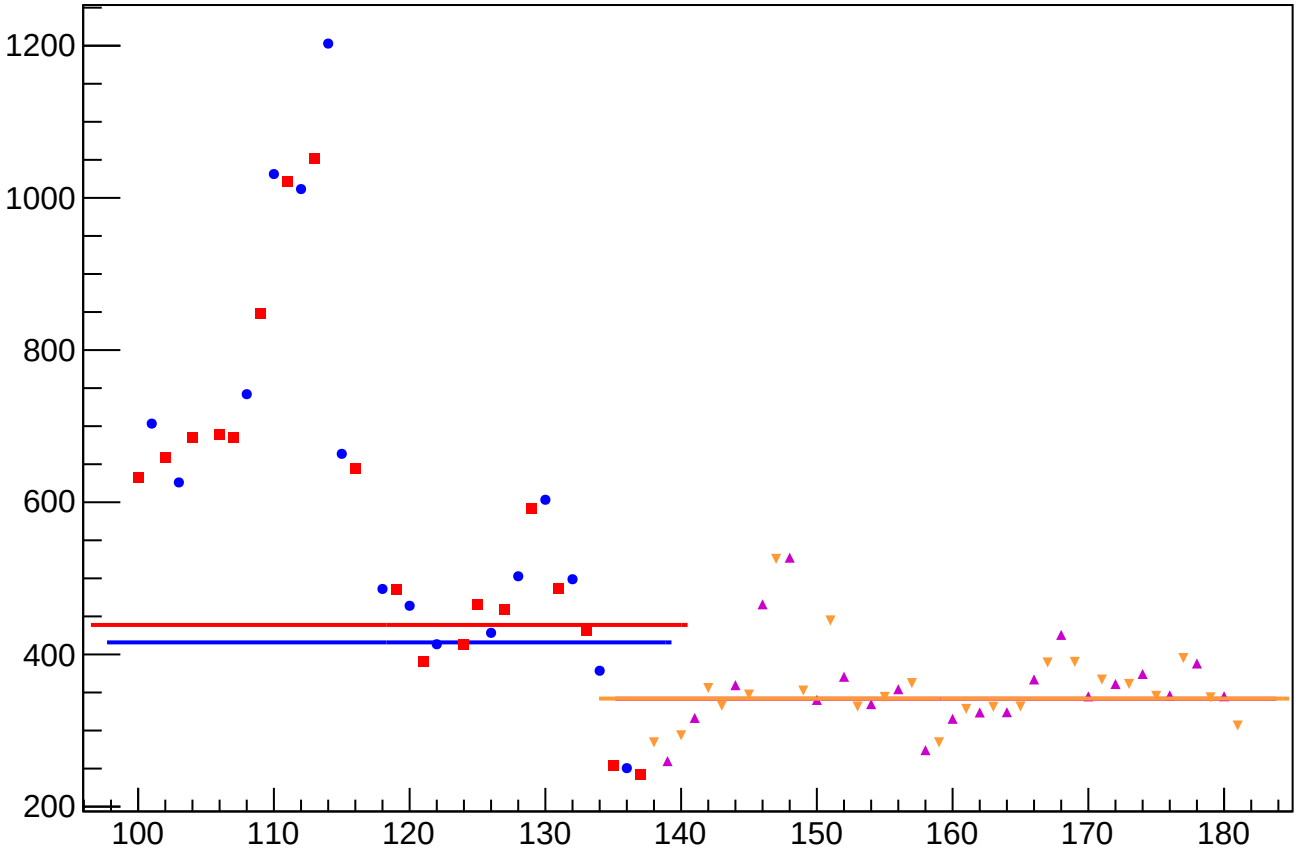
Left In: 145.256+/-83.463 χ^2/NDF:34.3/20

+ sign -119.124+/-72.826 χ^2/NDF: 39.0/38

All: -23.080+/-52.352 χ^2/NDF: 100.6/78

- sign 79.631+/-75.311 χ^2/NDF: 58.0/39

asym_sam1_rms vs Slug



Right In: 415.840+/-0.119 χ^2/NDF: 2223949.6/15

Left Out: 341.996+/-0.057 χ^2/NDF:591603.3/22

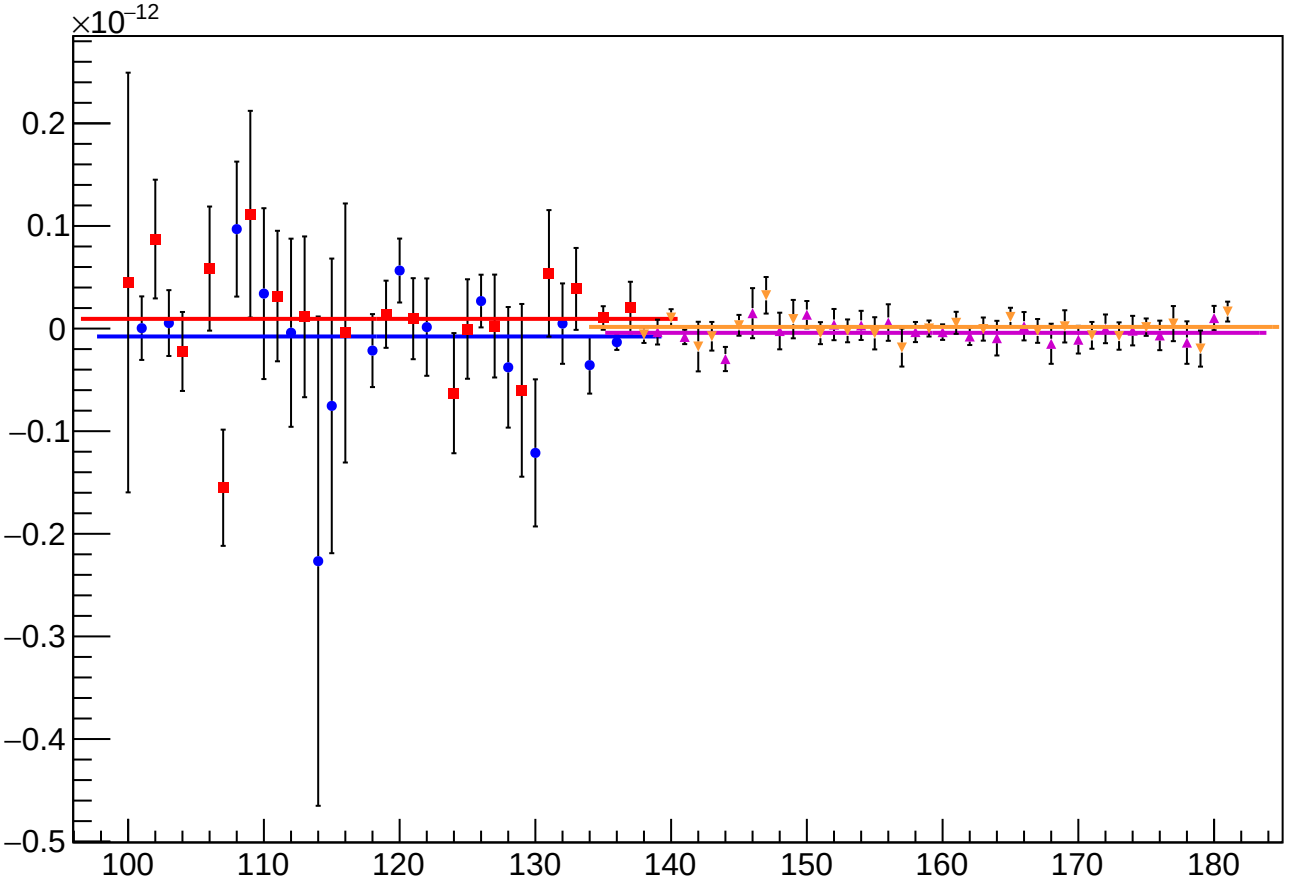
Right Out: 438.773+/-0.124 χ^2/NDF: 2234776.6/18

Left In: 341.796+/-0.059 χ^2/NDF:761782.1/20

+ sign 355.839+/-0.051 χ^2/NDF: 3128771.2/38

All: 357.760+/-0.037 χ^2/NDF: 6629900.1/78

- sign 359.814+/-0.053 χ^2/NDF: 3498249.7/39



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.2/22

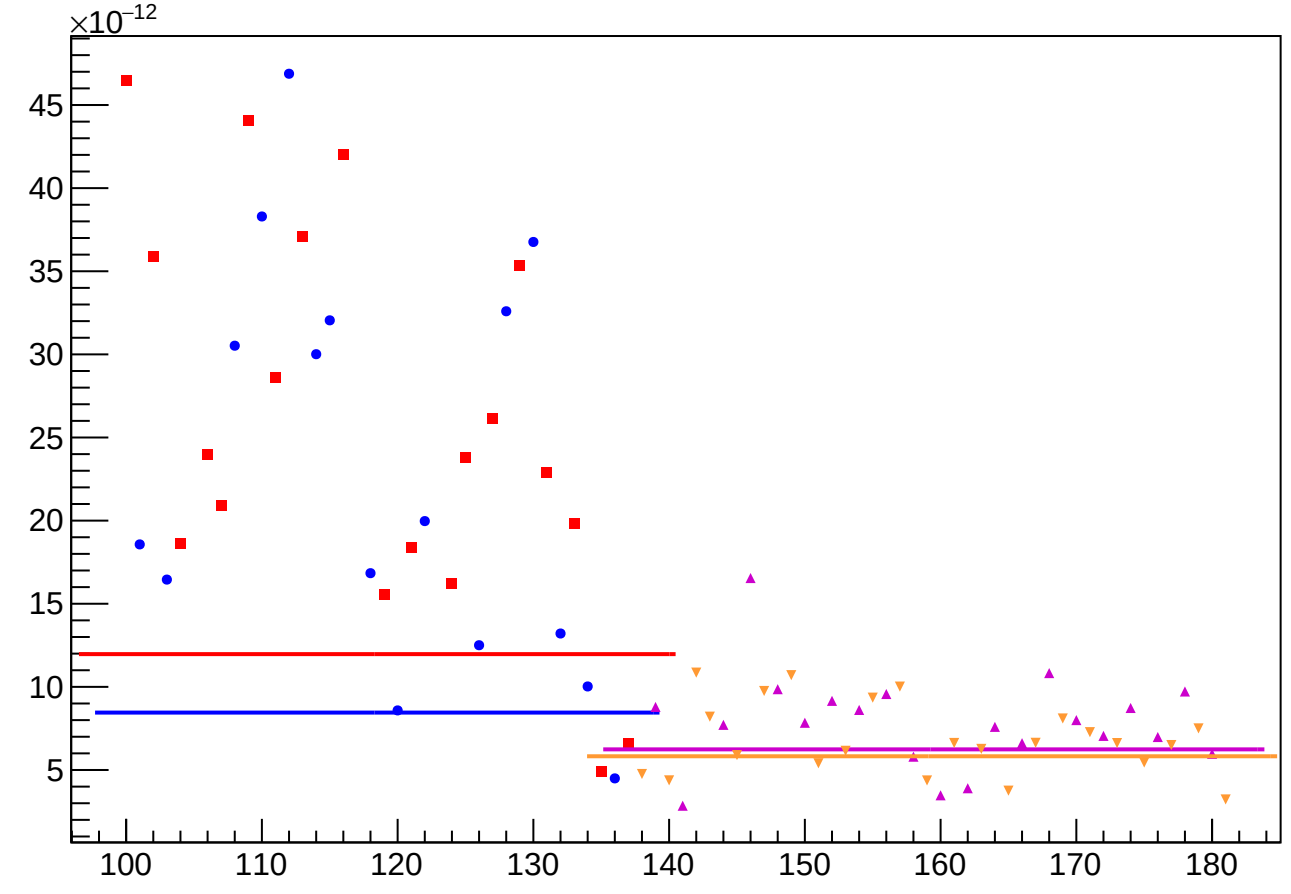
Right Out: 0.000+/-0.000 χ^2/NDF: 16.3/18

Left In: -0.000+/-0.000 χ^2/NDF:11.1/20

+ sign 0.000+/-0.000 χ^2/NDF: 31.0/38

All: -0.000+/-0.000 χ^2/NDF: 61.8/78

- sign -0.000+/-0.000 χ^2/NDF: 30.0/39



Right In: 0.000+/-0.000 χ^2/NDF: 2756090.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1124564.2/22

Right Out: 0.000+/-0.000 χ^2/NDF: 2760154.9/18

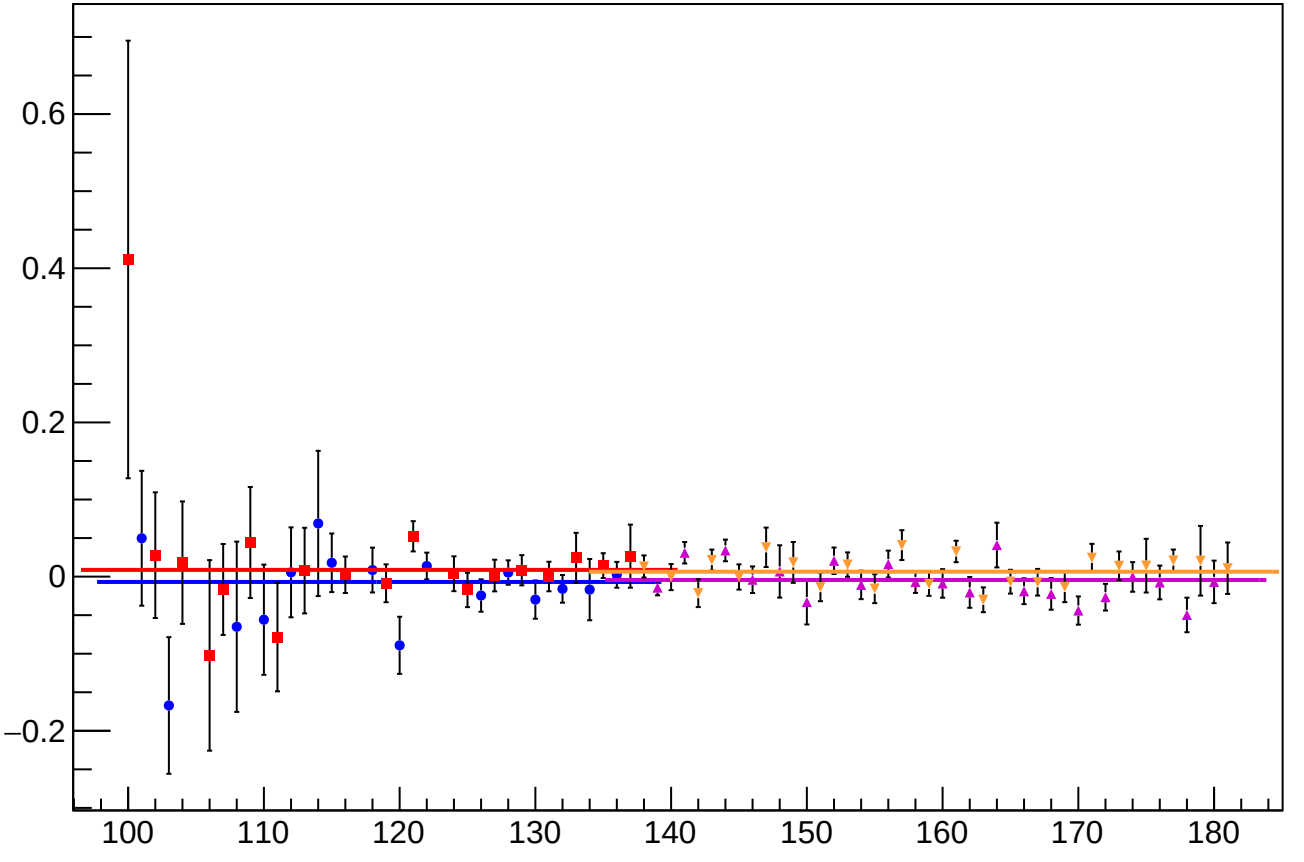
Left In: 0.000+/-0.000 χ^2/NDF:1968706.6/20

+ sign 0.000+/-0.000 χ^2/NDF: 4197073.0/38

All: 0.000+/-0.000 χ^2/NDF: 9887125.2/78

- sign 0.000+/-0.000 χ^2/NDF: 5621046.9/39

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:26.4/22

Right Out: 0.009+/-0.006 χ^2/NDF: 12.6/18

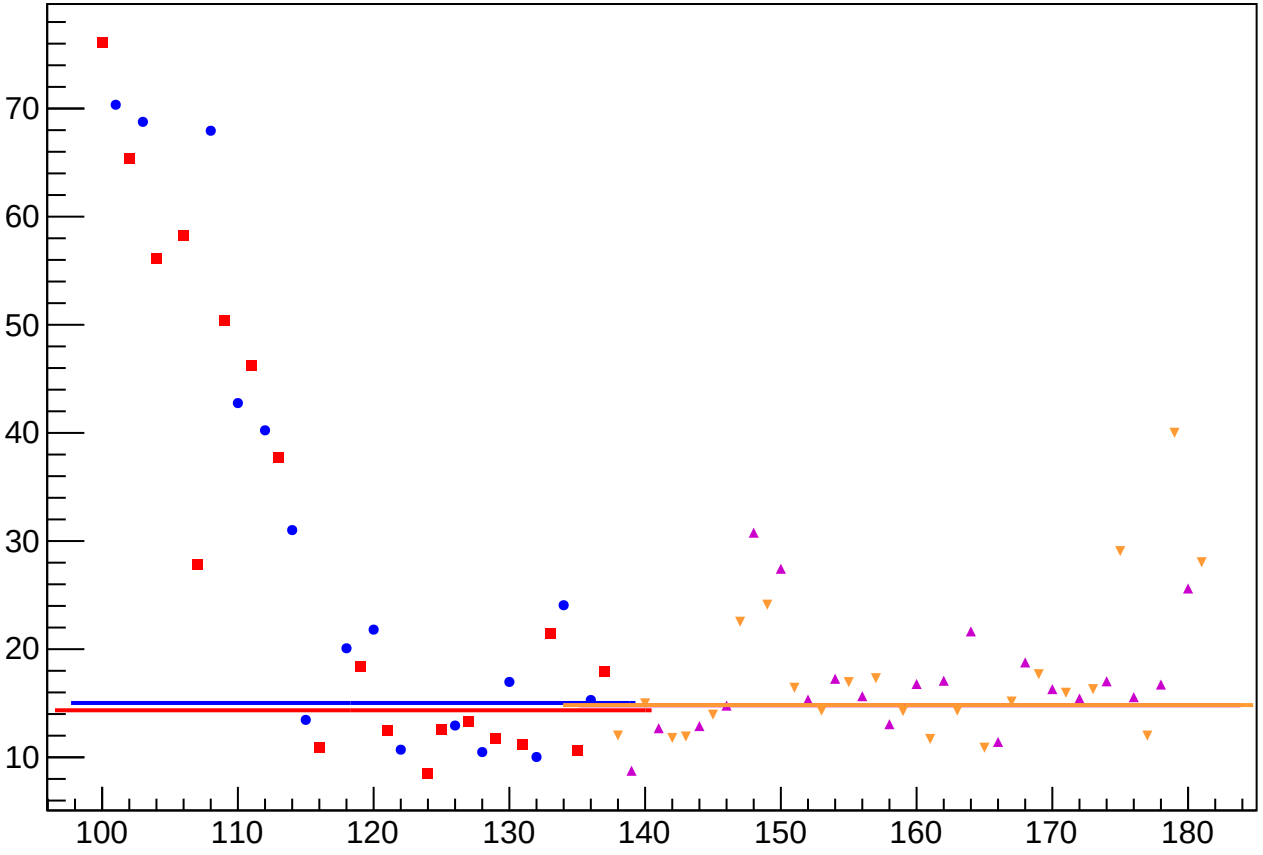
Left In: -0.004+/-0.004 χ^2/NDF:34.8/20

+ sign 0.003+/-0.003 χ^2/NDF: 44.3/38

All: 0.001+/-0.002 χ^2/NDF: 95.6/78

- sign -0.001+/-0.003 χ^2/NDF: 50.5/39

asym_sam1_dit_vs_cor_diff_rms vs Slug



Right In: 15.026+/-0.005 χ^2/NDF: 3438260.9/15

Left Out: 14.830+/-0.003 χ^2/NDF:2380766.0/22

Right Out: 14.348+/-0.005 χ^2/NDF: 3629014.9/18

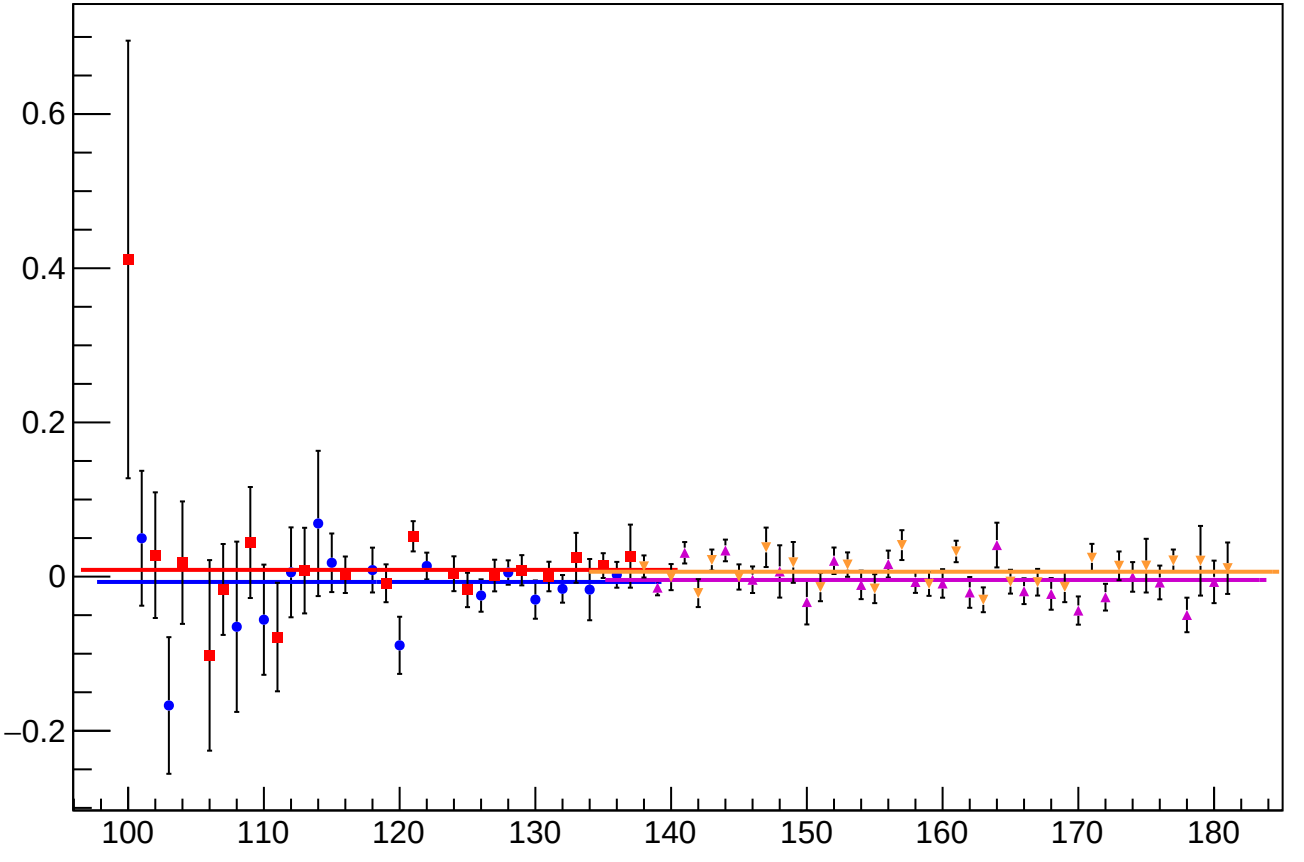
Left In: 14.811+/-0.003 χ^2/NDF:2384266.0/20

+ sign 14.876+/-0.002 χ^2/NDF: 5820321.5/38

All: 14.783+/-0.002 χ^2/NDF: 11844600.5/78

- sign 14.687+/-0.002 χ^2/NDF: 6020981.6/39

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:26.4/22

Right Out: 0.009+/-0.006 χ^2/NDF: 12.6/18

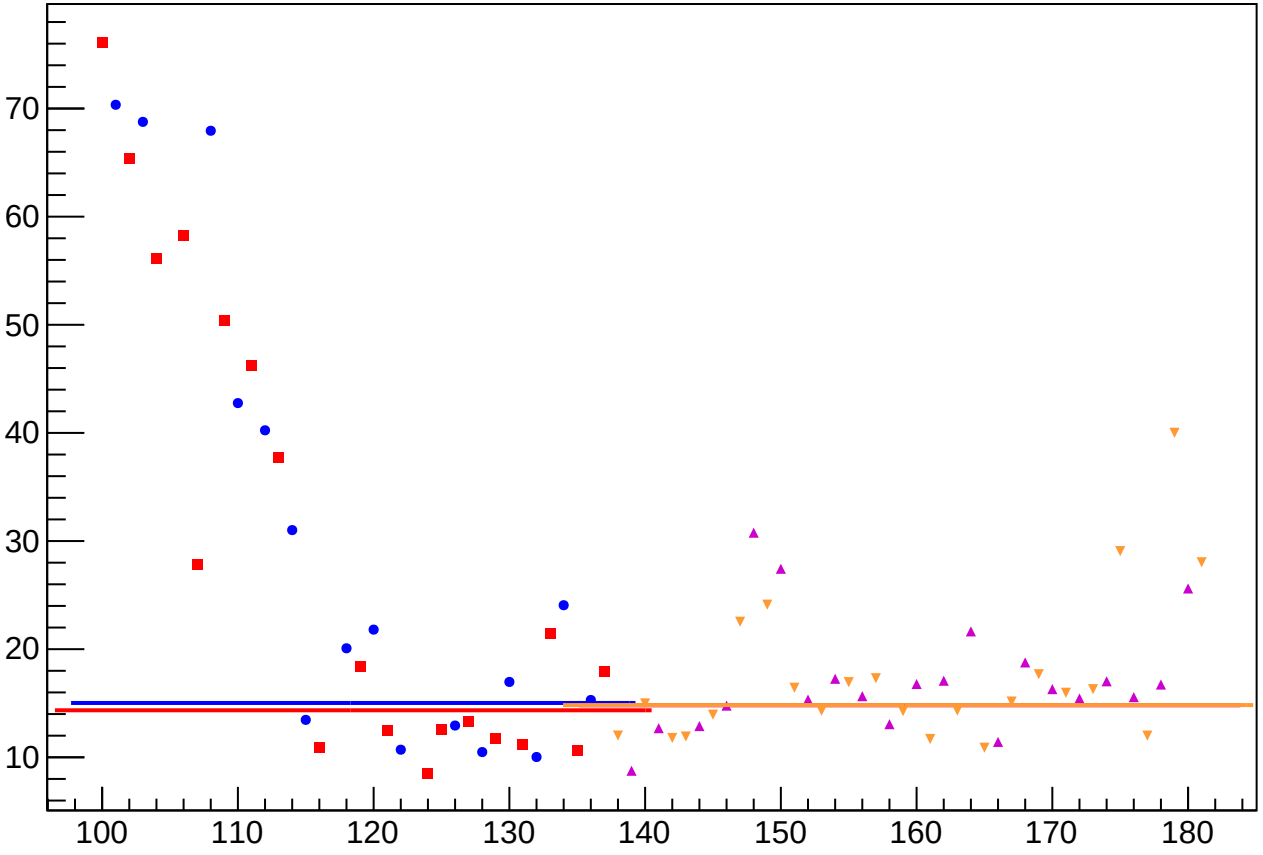
Left In: -0.004+/-0.004 χ^2/NDF:34.8/20

+ sign 0.003+/-0.003 χ^2/NDF: 44.3/38

All: 0.001+/-0.002 χ^2/NDF: 95.6/78

- sign -0.001+/-0.003 χ^2/NDF: 50.5/39

asym_sam1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 15.026+/-0.005 χ^2/NDF: 3438260.9/15

Left Out: 14.830+/-0.003 χ^2/NDF:2380766.0/22

Right Out: 14.348+/-0.005 χ^2/NDF: 3629014.9/18

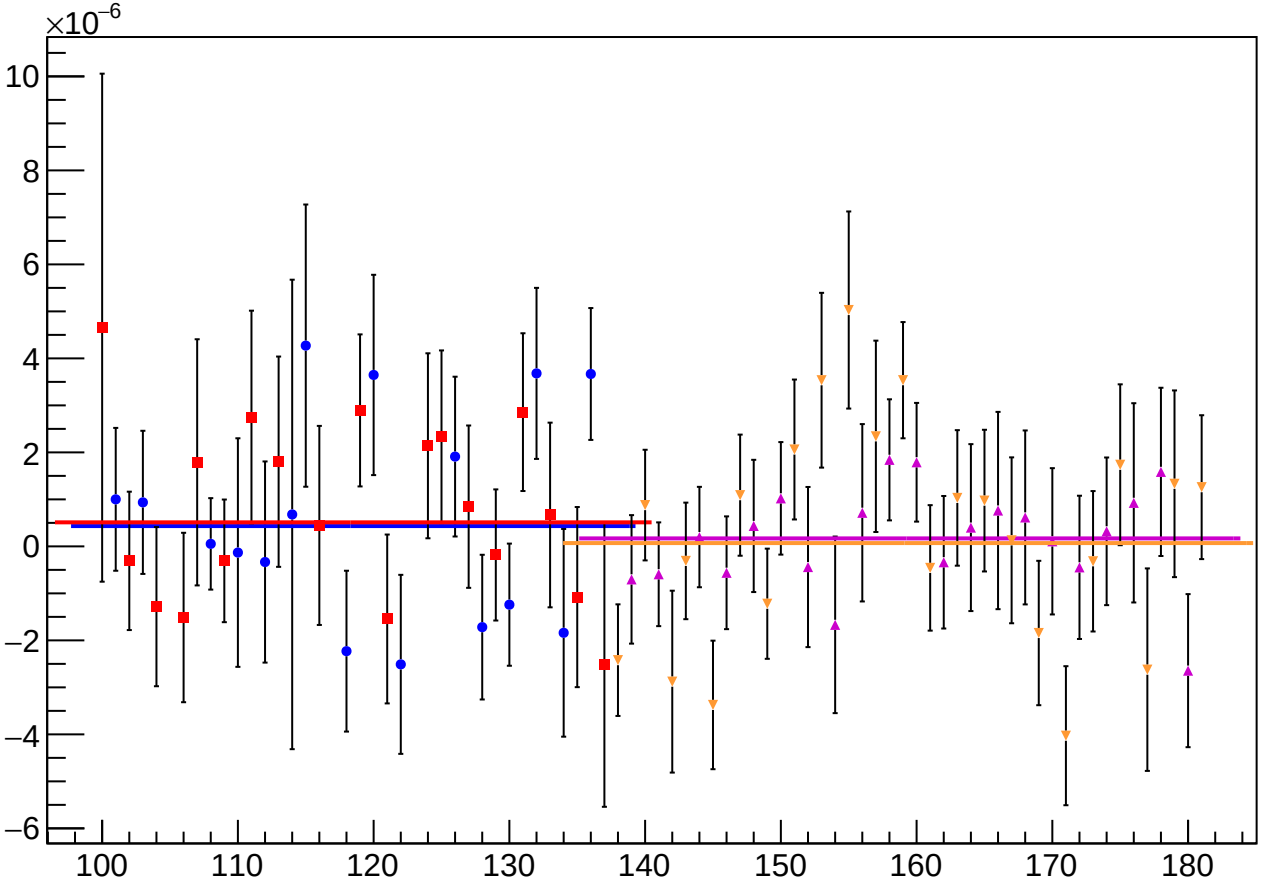
Left In: 14.811+/-0.003 χ^2/NDF:2384266.0/20

+ sign 14.876+/-0.002 χ^2/NDF: 5820321.5/38

All: 14.783+/-0.002 χ^2/NDF: 11844600.5/78

- sign 14.687+/-0.002 χ^2/NDF: 6020981.6/39

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:49.2/22

Right Out: 0.000+/-0.000 χ^2/NDF: 14.3/18

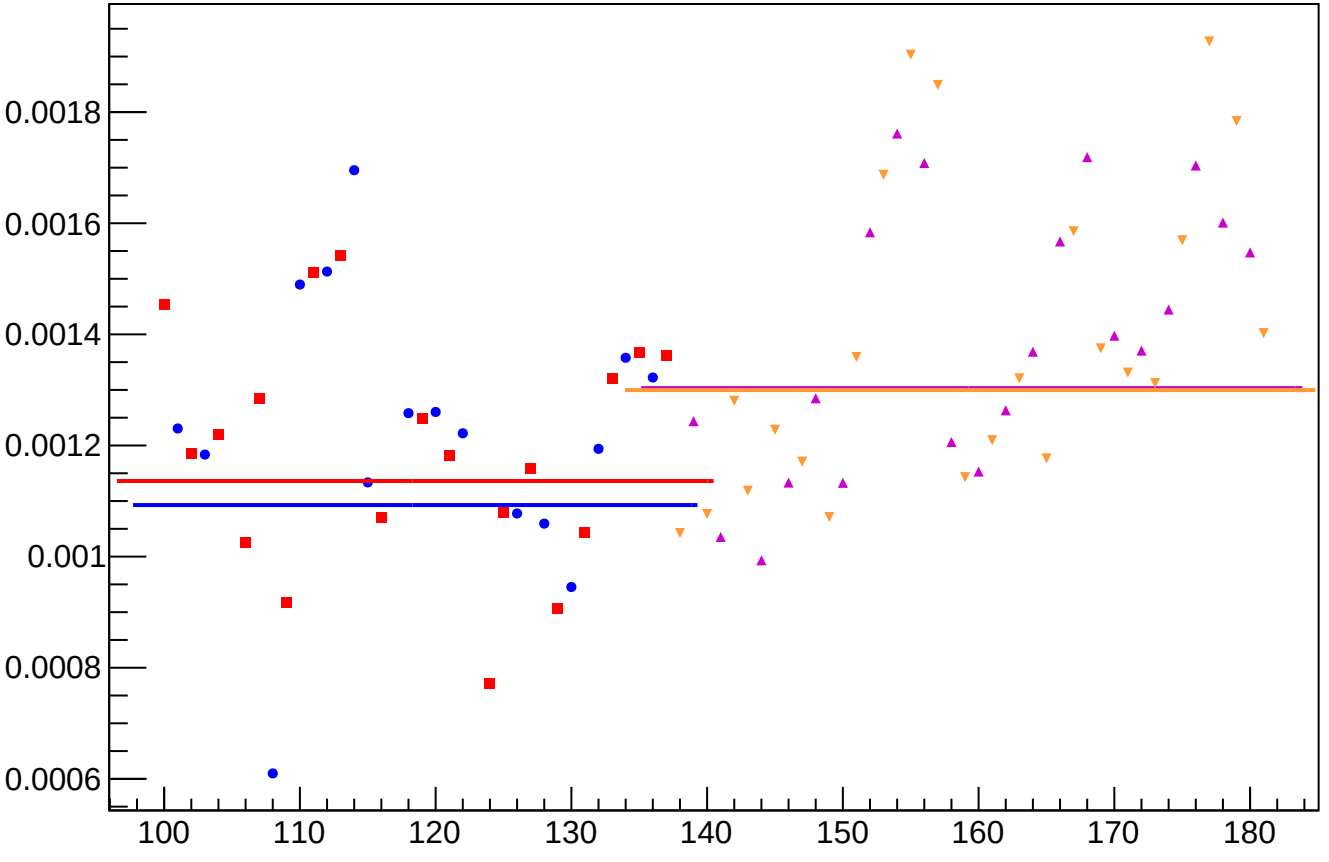
Left In: 0.000+/-0.000 χ^2/NDF:10.5/20

+ sign 0.000+/-0.000 χ^2/NDF: 72.9/38

All: 0.000+/-0.000 χ^2/NDF: 98.2/78

- sign 0.000+/-0.000 χ^2/NDF: 25.2/39

asym_sam1_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 831840.7/15

Left Out: 0.001+/-0.000 χ^2/NDF:1171761.4/22

Right Out: 0.001+/-0.000 χ^2/NDF: 407257.8/18

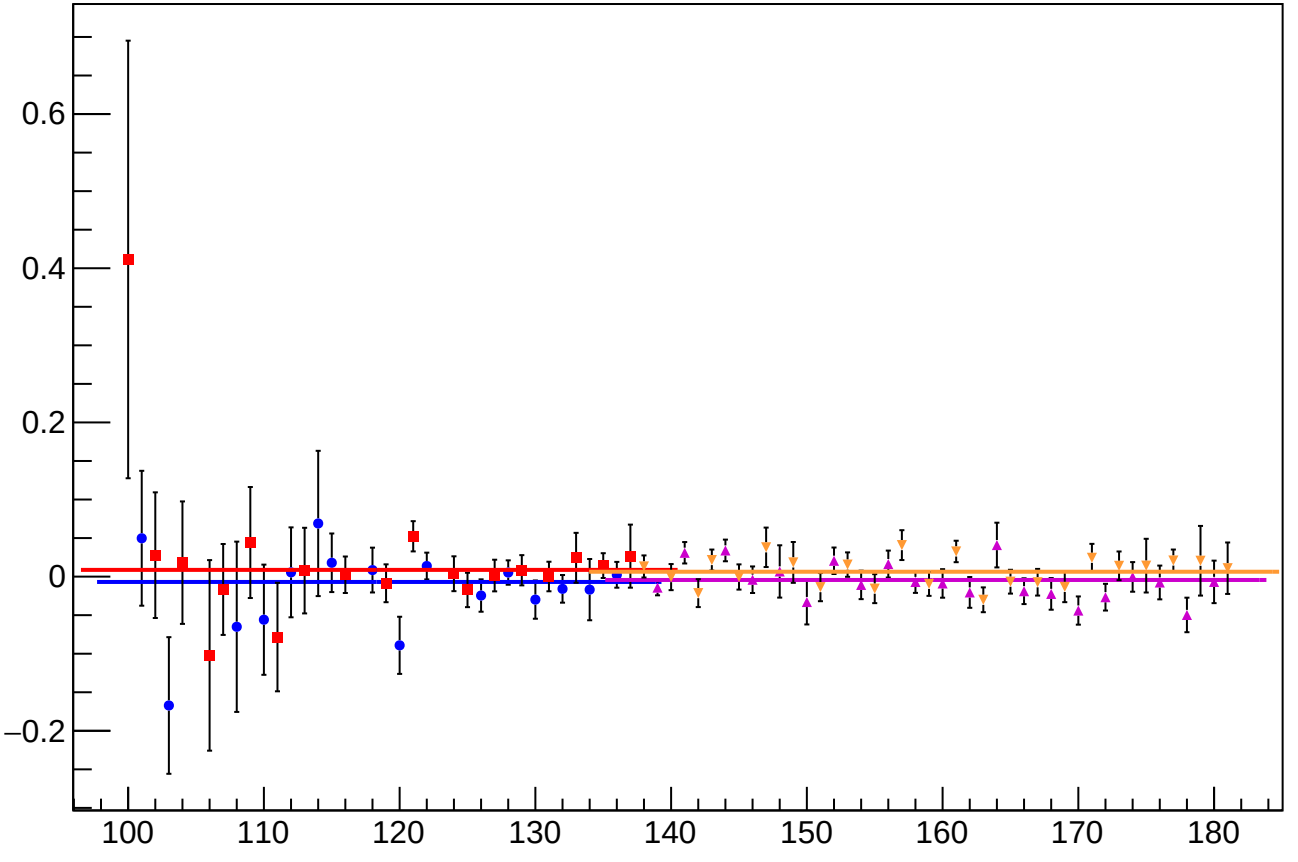
Left In: 0.001+/-0.000 χ^2/NDF:1011963.1/20

+ sign 0.001+/-0.000 χ^2/NDF: 2318314.8/38

All: 0.001+/-0.000 χ^2/NDF: 3940130.3/78

- sign 0.001+/-0.000 χ^2/NDF: 1618046.4/39

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:26.4/22

Right Out: 0.009+/-0.006 χ^2/NDF: 12.6/18

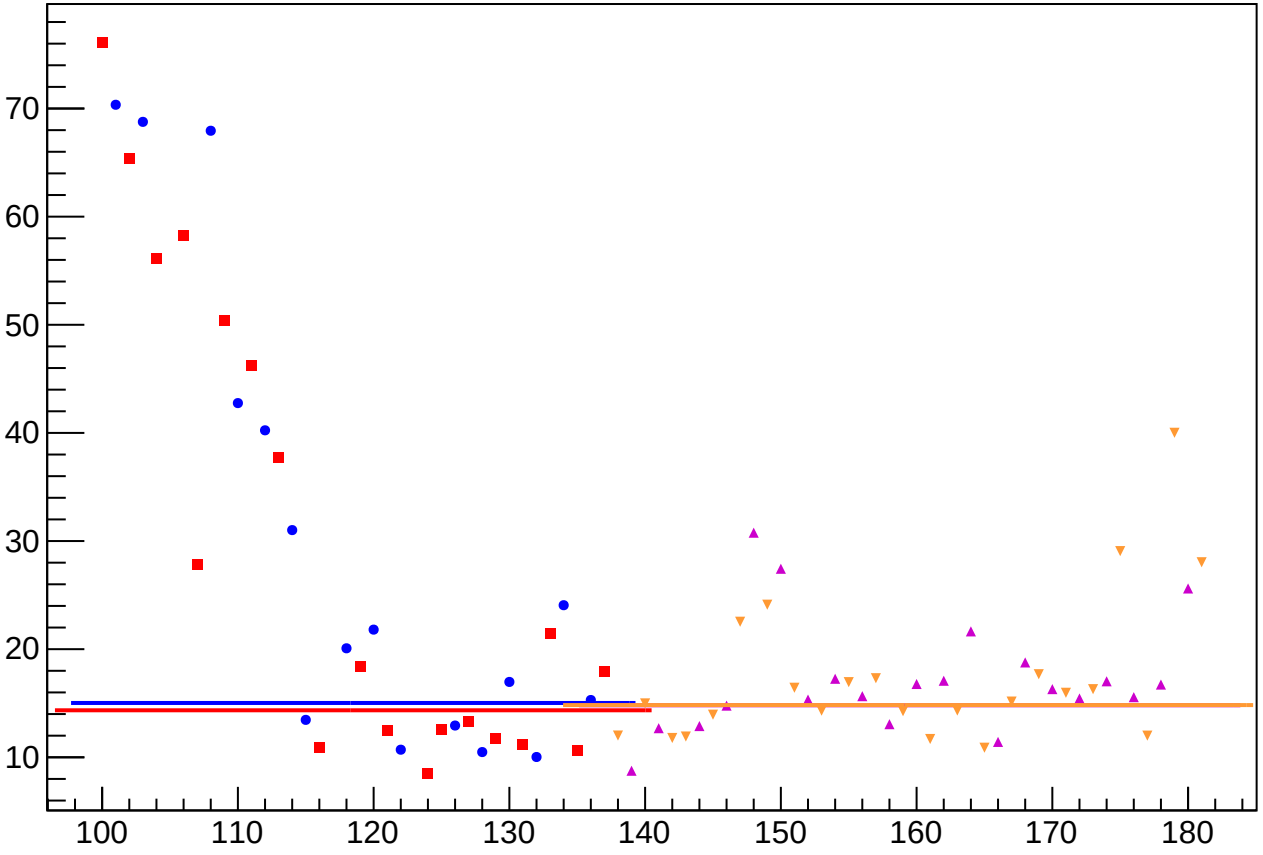
Left In: -0.004+/-0.004 χ^2/NDF:34.8/20

+ sign 0.003+/-0.003 χ^2/NDF: 44.3/38

All: 0.001+/-0.002 χ^2/NDF: 95.6/78

- sign -0.001+/-0.003 χ^2/NDF: 50.5/39

asym_sam1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 15.025+/-0.005 χ^2/NDF: 3438279.3/15

Left Out: 14.830+/-0.003 χ^2/NDF:2380958.5/22

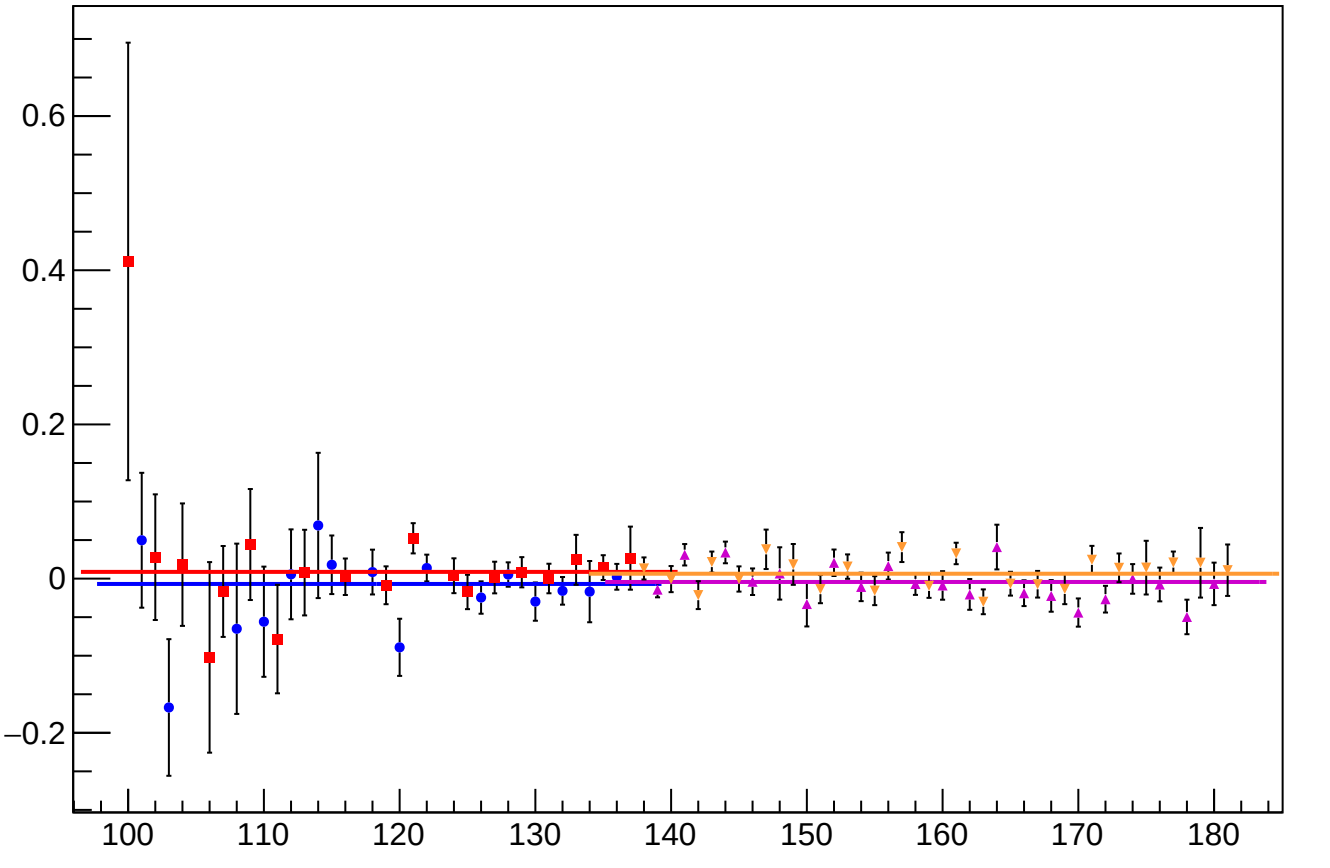
Right Out: 14.348+/-0.005 χ^2/NDF: 3629004.9/18

Left In: 14.811+/-0.003 χ^2/NDF:2384292.4/20

+ sign 14.875+/-0.002 χ^2/NDF: 5820533.2/38

All: 14.783+/-0.002 χ^2/NDF: 11844823.6/78

- sign 14.687+/-0.002 χ^2/NDF: 6020995.7/39



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.006+/-0.004 χ^2/NDF:26.4/22

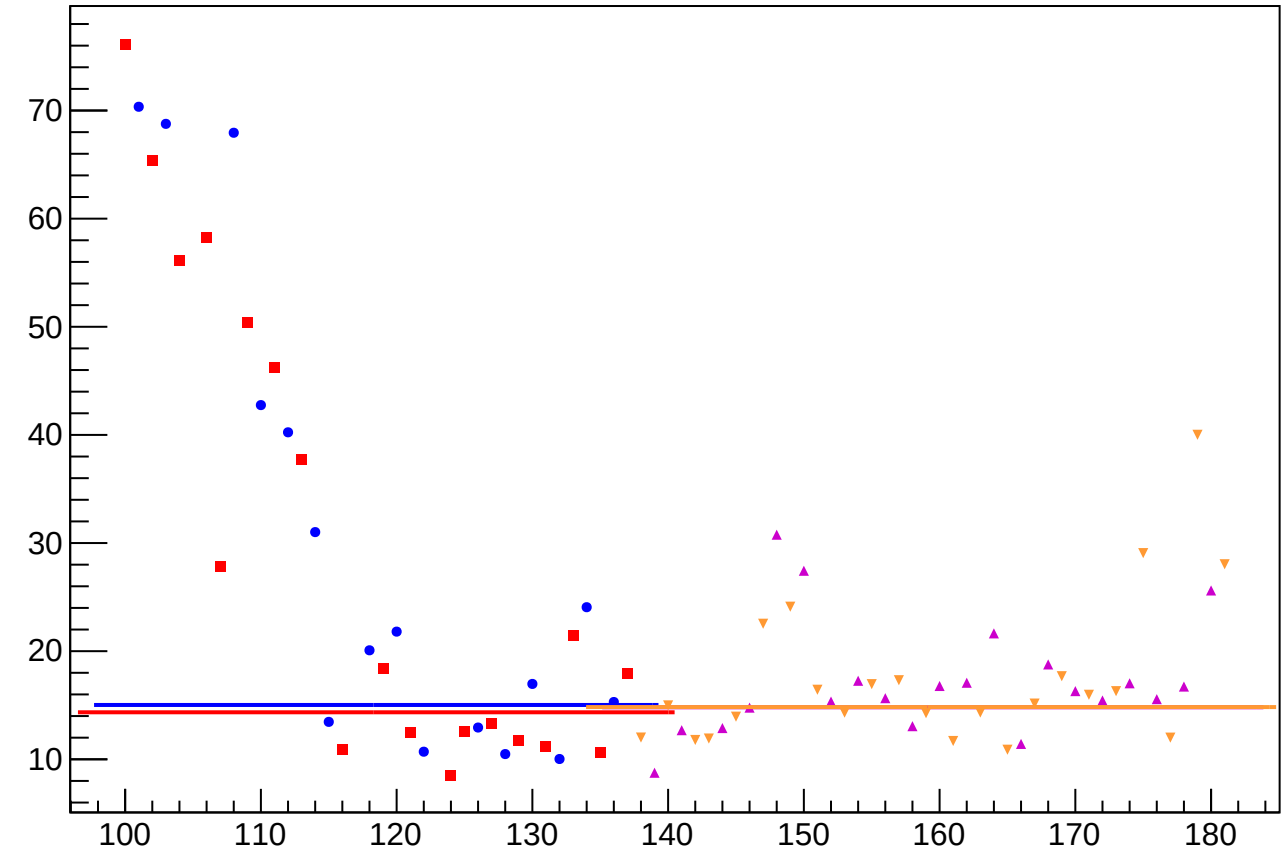
Right Out: 0.009+/-0.006 χ^2/NDF: 12.6/18

Left In: -0.004+/-0.004 χ^2/NDF:34.8/20

+ sign 0.003+/-0.003 χ^2/NDF: 44.3/38

All: 0.001+/-0.002 χ^2/NDF: 95.6/78

- sign -0.001+/-0.003 χ^2/NDF: 50.5/39



Right In: 15.025+/-0.005 χ^2/NDF: 3438279.3/15

Left Out: 14.830+/-0.003 χ^2/NDF:2380958.5/22

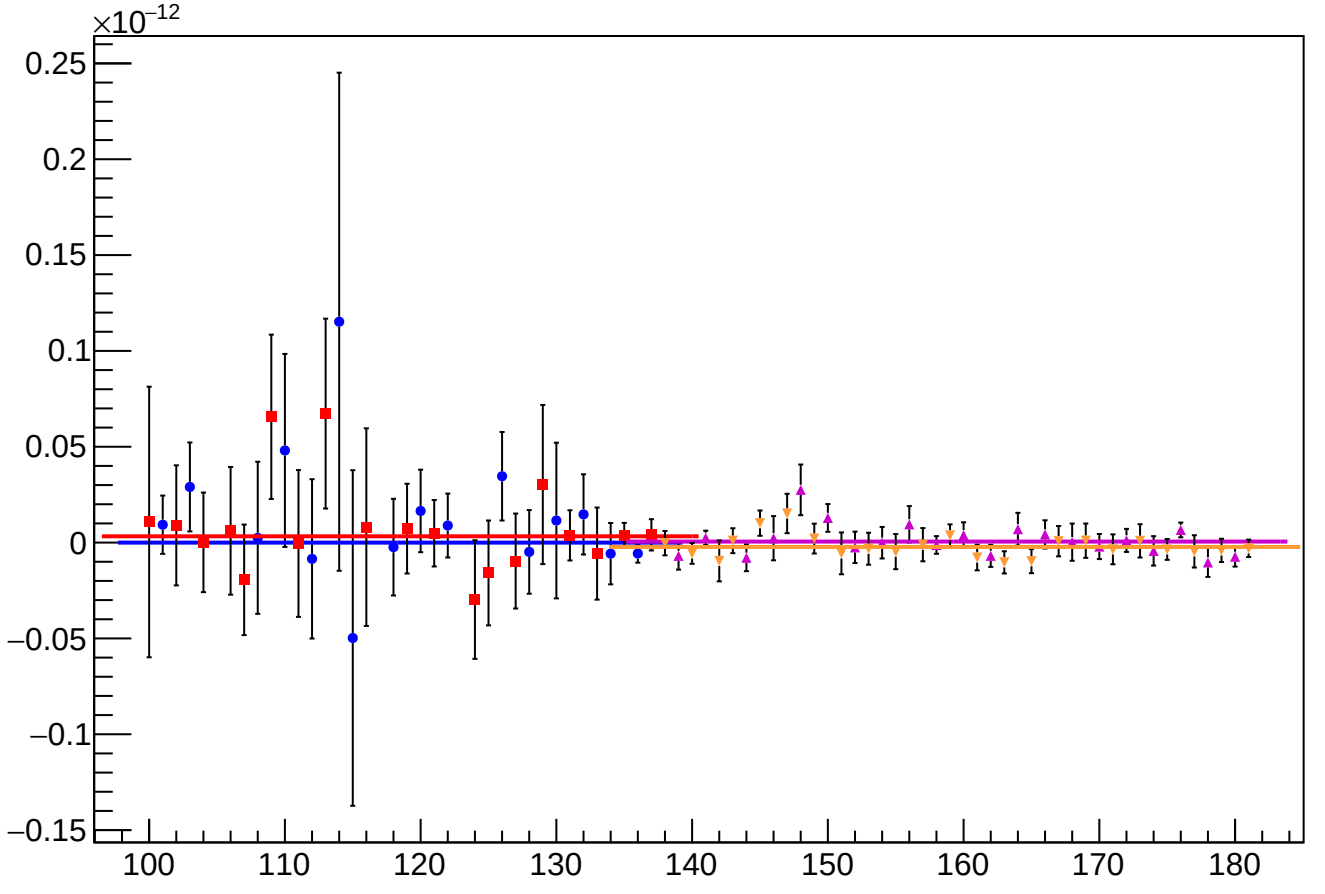
Right Out: 14.348+/-0.005 χ^2/NDF: 3629004.9/18

Left In: 14.811+/-0.003 χ^2/NDF:2384292.4/20

+ sign 14.875+/-0.002 χ^2/NDF: 5820533.2/38

All: 14.783+/-0.002 χ^2/NDF: 11844823.6/78

- sign 14.687+/-0.002 χ^2/NDF: 6020995.7/39



Right In: -0.000+/-0.000 χ^2/NDF: 9.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.9/22

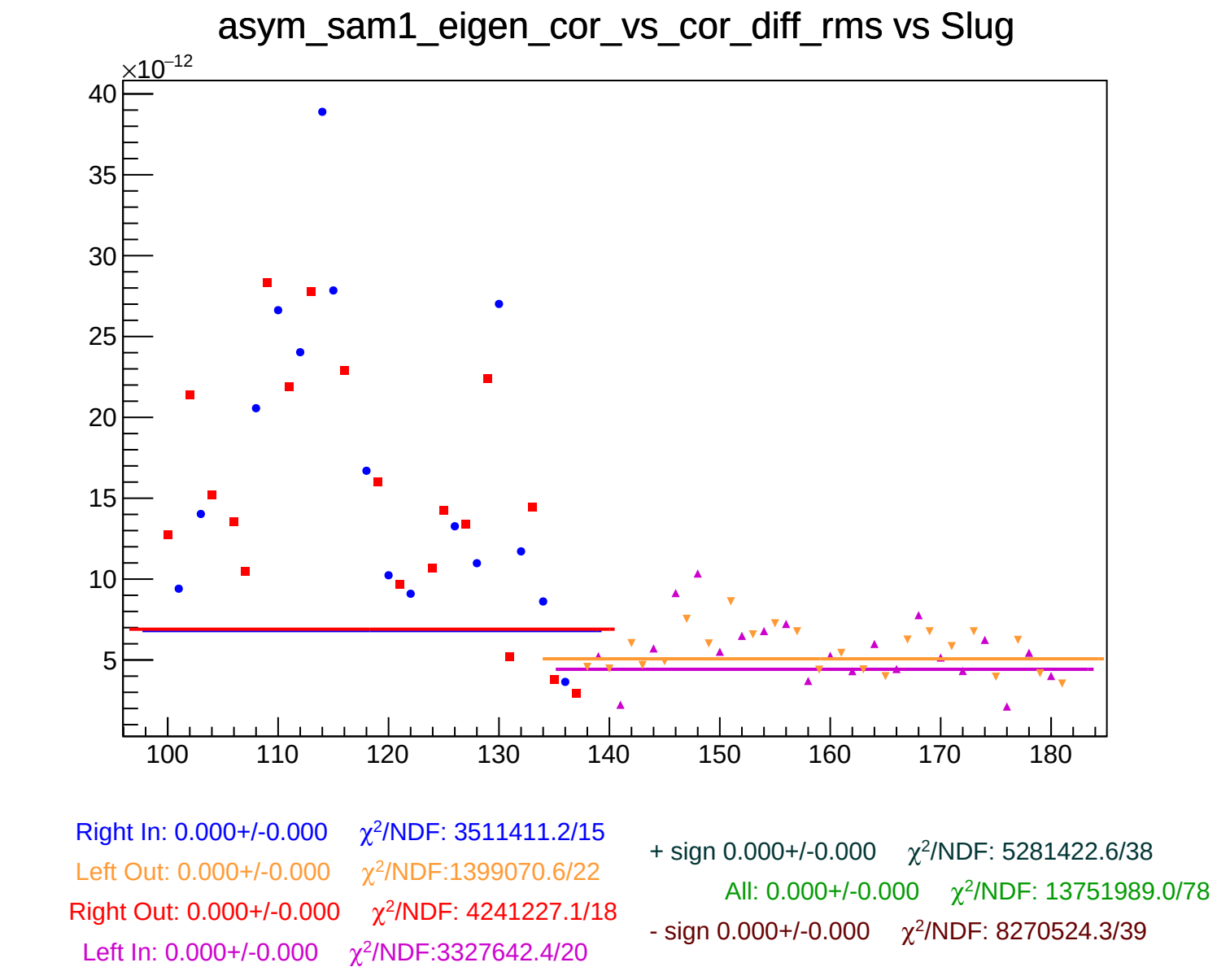
Right Out: 0.000+/-0.000 χ^2/NDF: 7.0/18

Left In: 0.000+/-0.000 χ^2/NDF:21.3/20

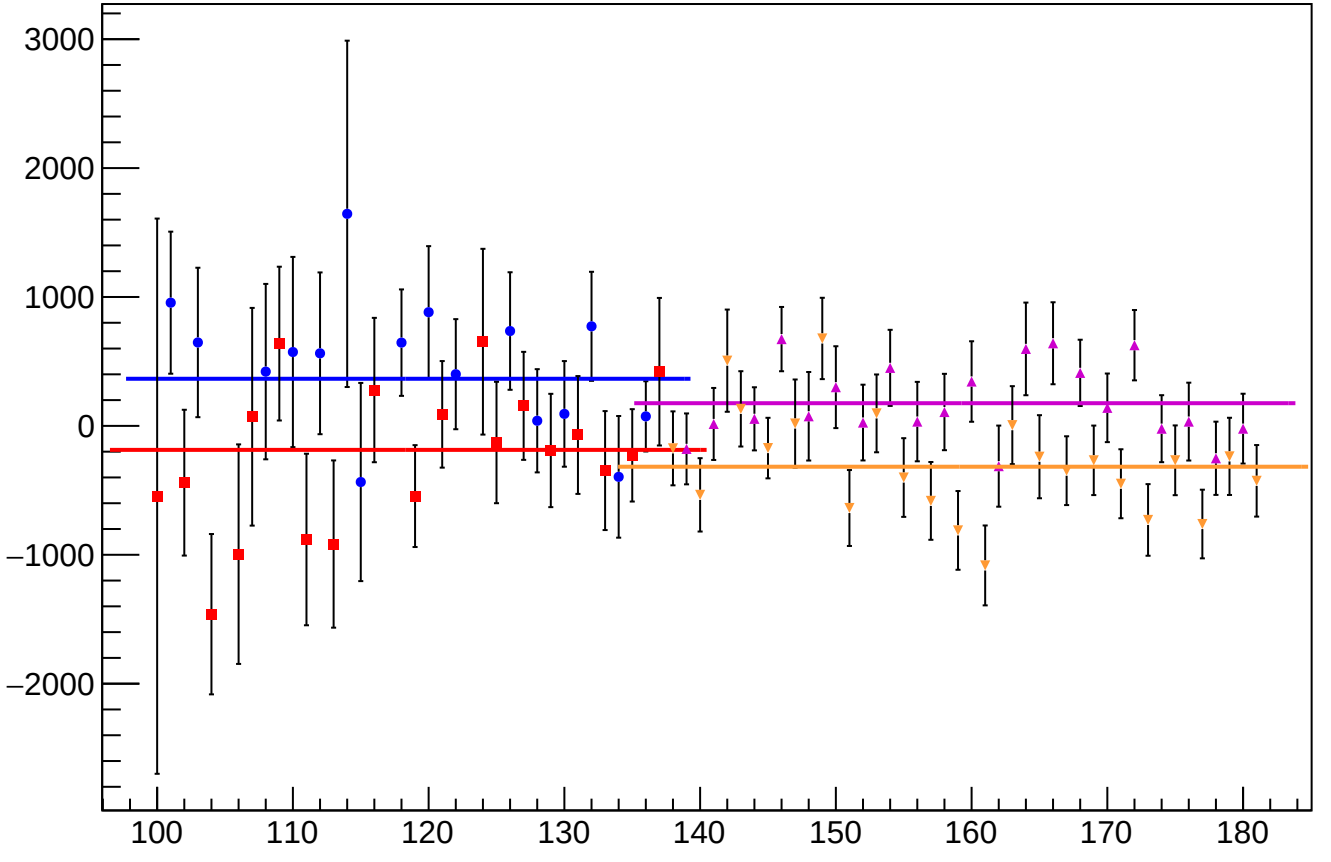
+ sign -0.000+/-0.000 χ^2/NDF: 23.5/38

All: -0.000+/-0.000 χ^2/NDF: 54.5/78

- sign 0.000+/-0.000 χ^2/NDF: 28.7/39


asym_sam1_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: 3511411.2/15
Left Out: 0.000+/-0.000 χ²/NDF:1399070.6/22
Right Out: 0.000+/-0.000 χ²/NDF: 4241227.1/18
Left In: 0.000+/-0.000 χ²/NDF:3327642.4/20
+ sign 0.000+/-0.000 χ²/NDF: 5281422.6/38
All: 0.000+/-0.000 χ²/NDF: 13751989.0/78
- sign 0.000+/-0.000 χ²/NDF: 8270524.3/39

reg_asym_sam2_mean vs Slug



Right In: 365.540+/-118.873 χ^2/NDF: 11.5/15

Left Out: -316.795+/-60.653 χ^2/NDF:38.2/22

Right Out: -186.141+/-120.188 χ^2/NDF: 15.0/18

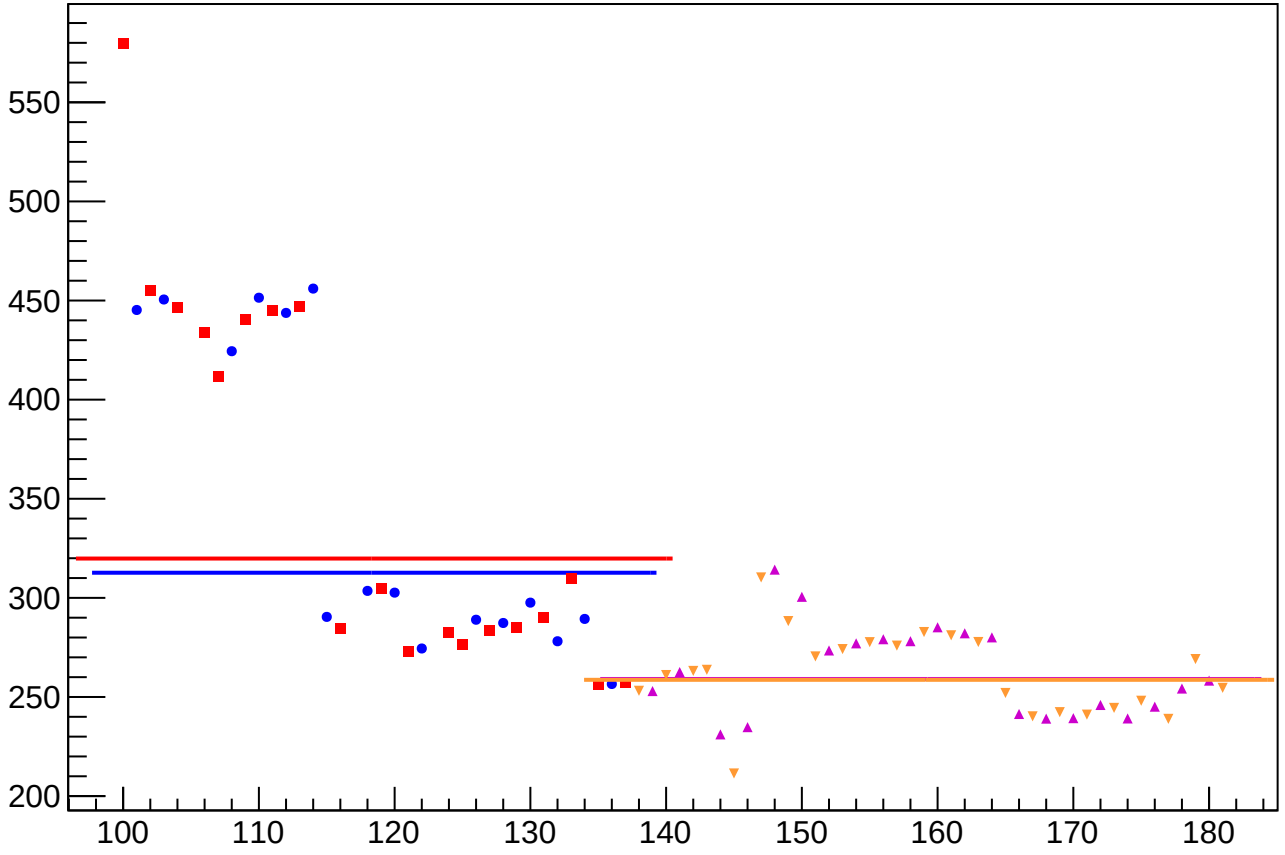
Left In: 175.977+/-62.666 χ^2/NDF:21.2/20

+ sign -175.850+/-54.027 χ^2/NDF: 75.8/38

All: -42.492+/-38.736 χ^2/NDF: 131.7/78

- sign 98.575+/-55.566 χ^2/NDF: 43.4/39

reg_asym_sam2_rms vs Slug



Right In: 312.683+/-0.084 χ^2/NDF: 602207.7/15

Left Out: 258.662+/-0.043 χ^2/NDF:248095.9/22

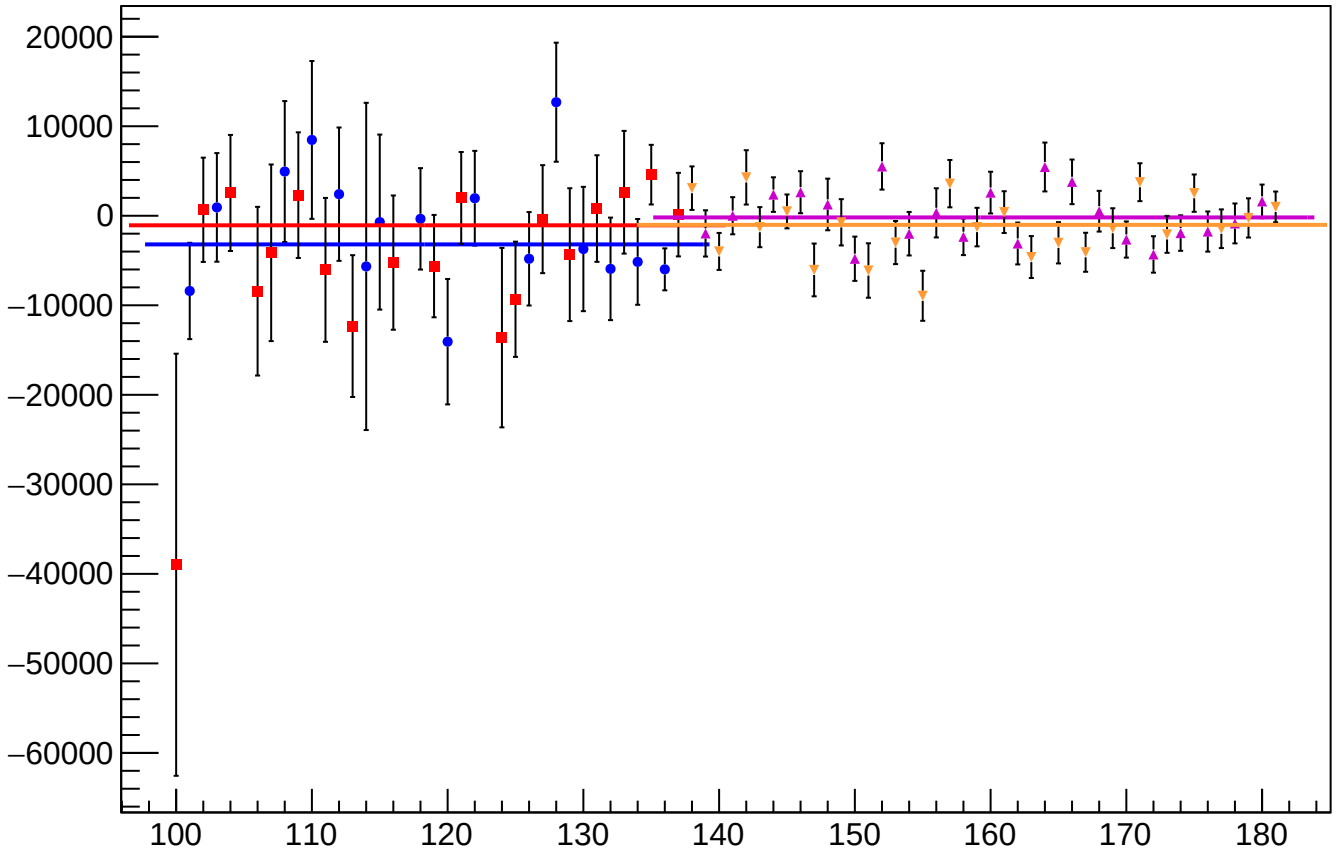
Right Out: 319.841+/-0.085 χ^2/NDF: 697878.1/18

Left In: 259.083+/-0.044 χ^2/NDF:243050.2/20

+ sign 269.821+/-0.038 χ^2/NDF: 1178014.4/38

All: 270.914+/-0.027 χ^2/NDF: 2522480.7/78

- sign 272.070+/-0.039 χ^2/NDF: 1342781.8/39



Right In: -3198.742+/-1353.814 χ^2/NDF: 16.1/15

Left Out: -1018.278+/-474.579 χ^2/NDF:41.3/22

Right Out: -1065.939+/-1443.326 χ^2/NDF: 14.4/18

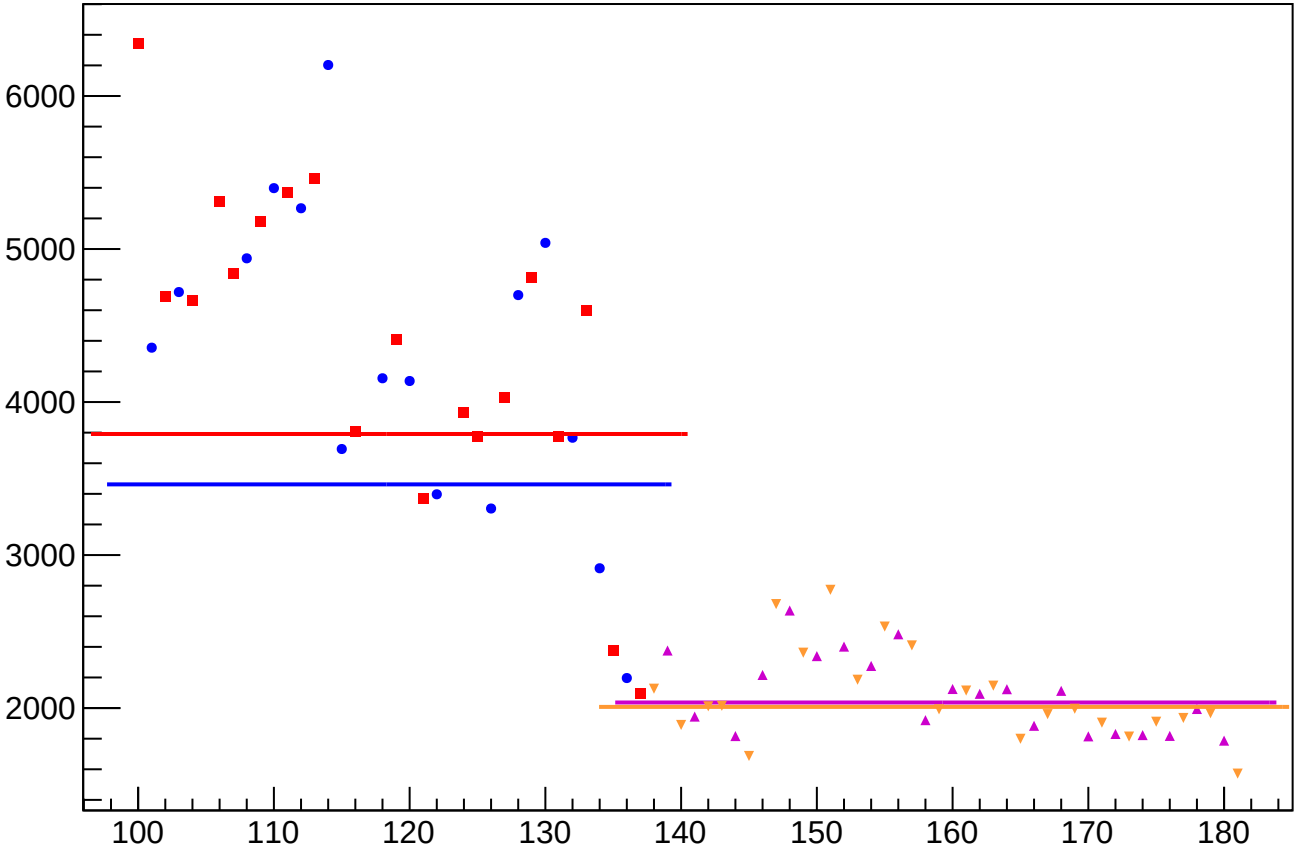
Left In: -184.457+/-494.693 χ^2/NDF:31.7/20

+ sign -1256.902+/-447.859 χ^2/NDF: 59.7/38

All: -788.516+/-323.560 χ^2/NDF: 108.5/78

- sign -277.123+/-467.969 χ^2/NDF: 46.5/39

asym_sam2_reg_correction_rms vs Slug



Right In: 3461.927+/-0.957 χ^2/NDF: 1309580.1/15

Left Out: 2007.704+/-0.336 χ^2/NDF:652048.9/22

Right Out: 3791.207+/-1.021 χ^2/NDF: 1155755.9/18

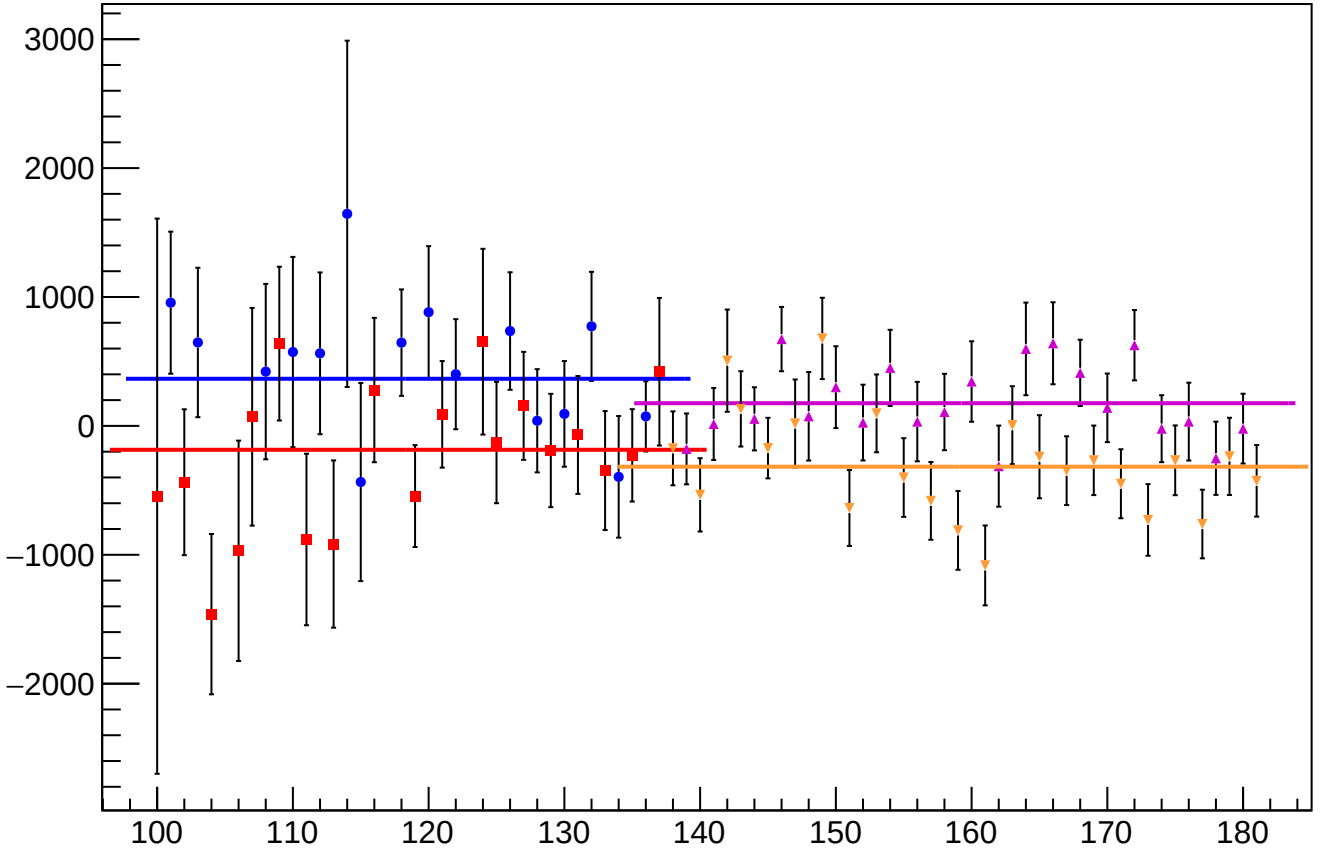
Left In: 2036.498+/-0.350 χ^2/NDF:449537.8/20

+ sign 2166.850+/-0.317 χ^2/NDF: 4016758.8/38

All: 2192.718+/-0.229 χ^2/NDF: 8281304.1/78

- sign 2220.961+/-0.331 χ^2/NDF: 4250587.9/39

cor_asym_sam2_mean vs Slug



Right In: 365.523+/-118.873 χ^2/NDF: 11.5/15

Left Out: -316.797+/-60.653 χ^2/NDF:38.2/22

Right Out: -185.331+/-120.199 χ^2/NDF: 14.9/18

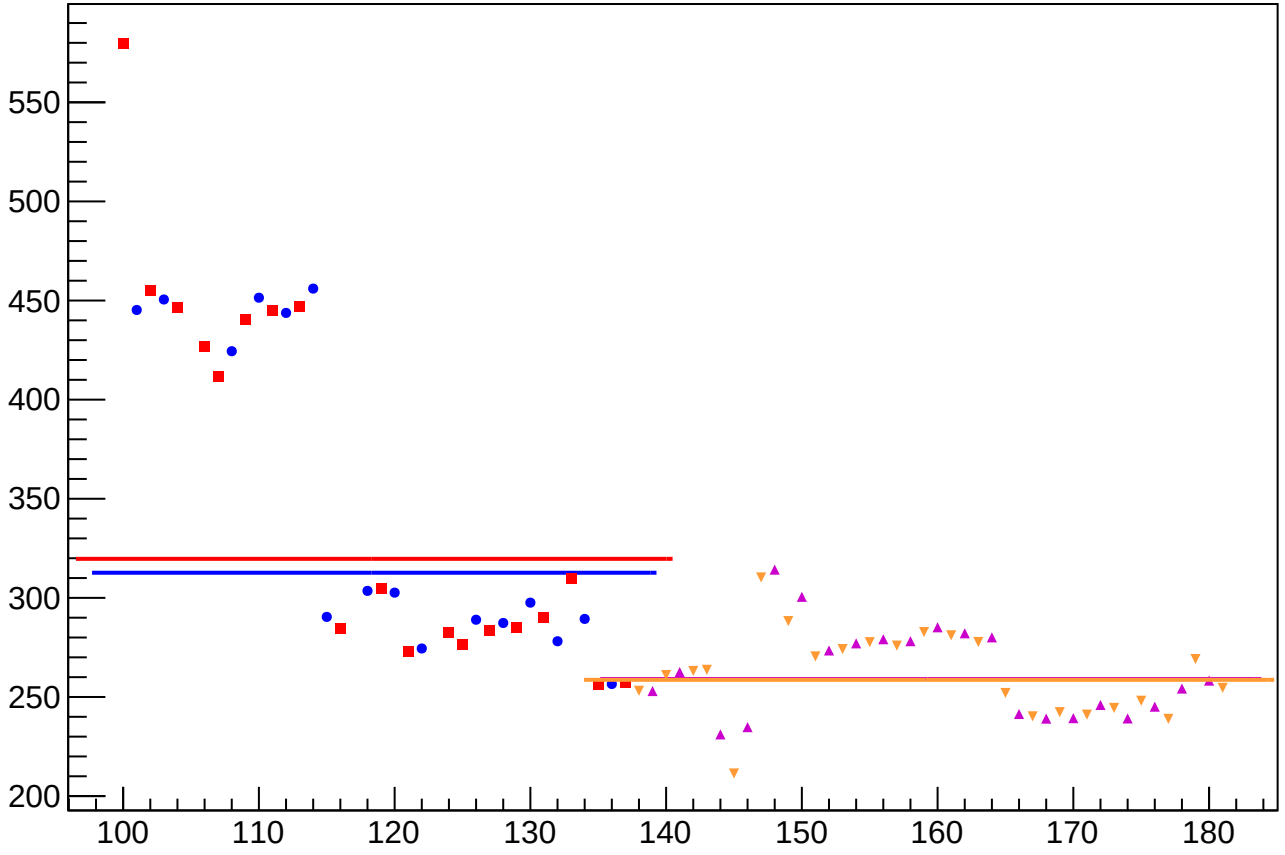
Left In: 175.986+/-62.666 χ^2/NDF:21.2/20

\+ sign -175.855+/-54.027 χ^2/NDF: 75.8/38

All: -42.404+/-38.736 χ^2/NDF: 131.6/78

\- sign 98.767+/-55.567 χ^2/NDF: 43.3/39

cor_asym_sam2_rms vs Slug



Right In: 312.683+/-0.084 χ^2/NDF: 602209.1/15

Left Out: 258.662+/-0.043 χ^2/NDF:248095.9/22

Right Out: 319.693+/-0.085 χ^2/NDF: 693714.1/18

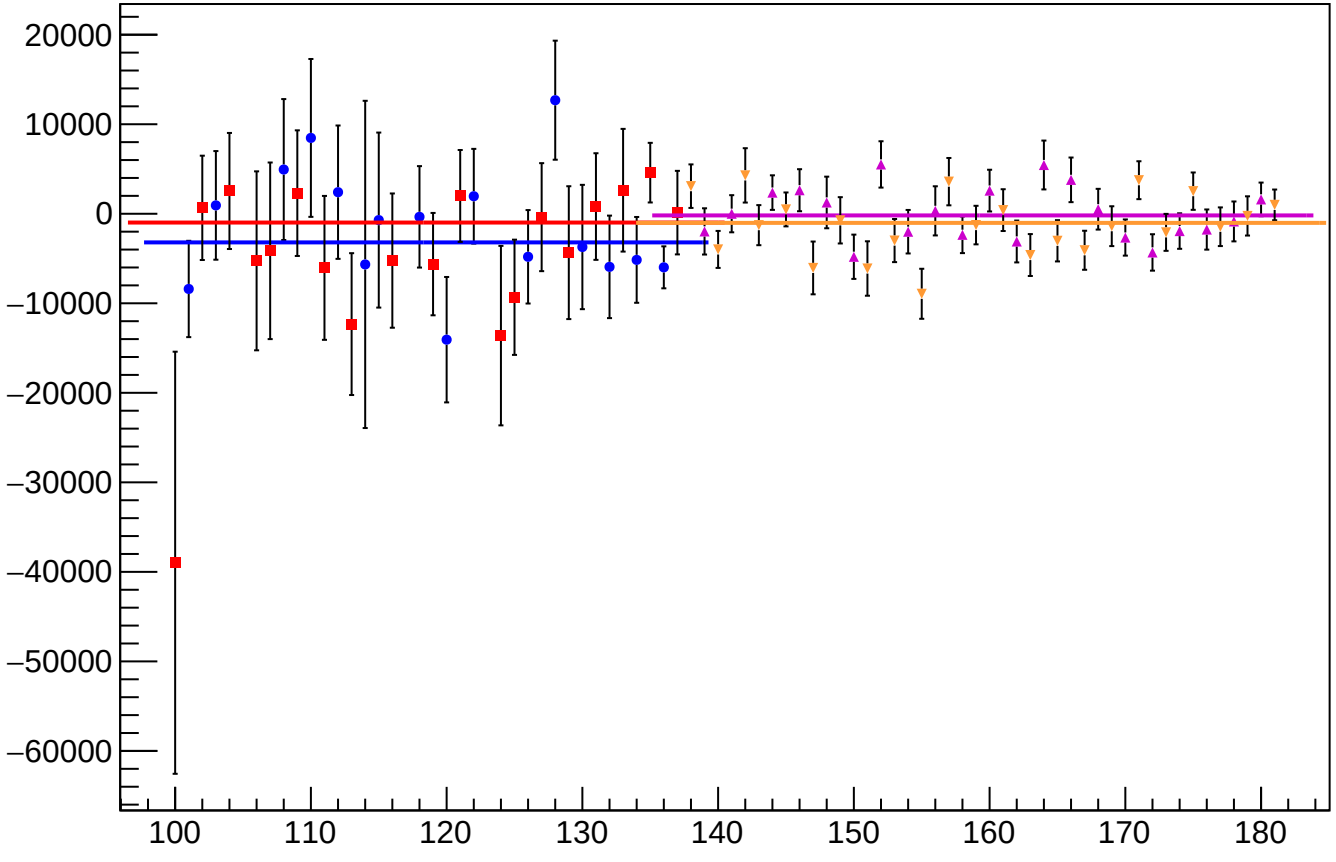
Left In: 259.083+/-0.044 χ^2/NDF:243050.2/20

+ sign 269.821+/-0.038 χ^2/NDF: 1178016.0/38

All: 270.898+/-0.027 χ^2/NDF: 2516252.9/78

- sign 272.037+/-0.039 χ^2/NDF: 1336602.3/39

asym_sam2_cor_correction_mean vs Slug



Right In: -3198.673+/-1353.816 χ^2/NDF: 16.1/15

Left Out: -1018.275+/-474.579 χ^2/NDF:41.3/22

Right Out: -980.937+/-1445.265 χ^2/NDF: 14.0/18

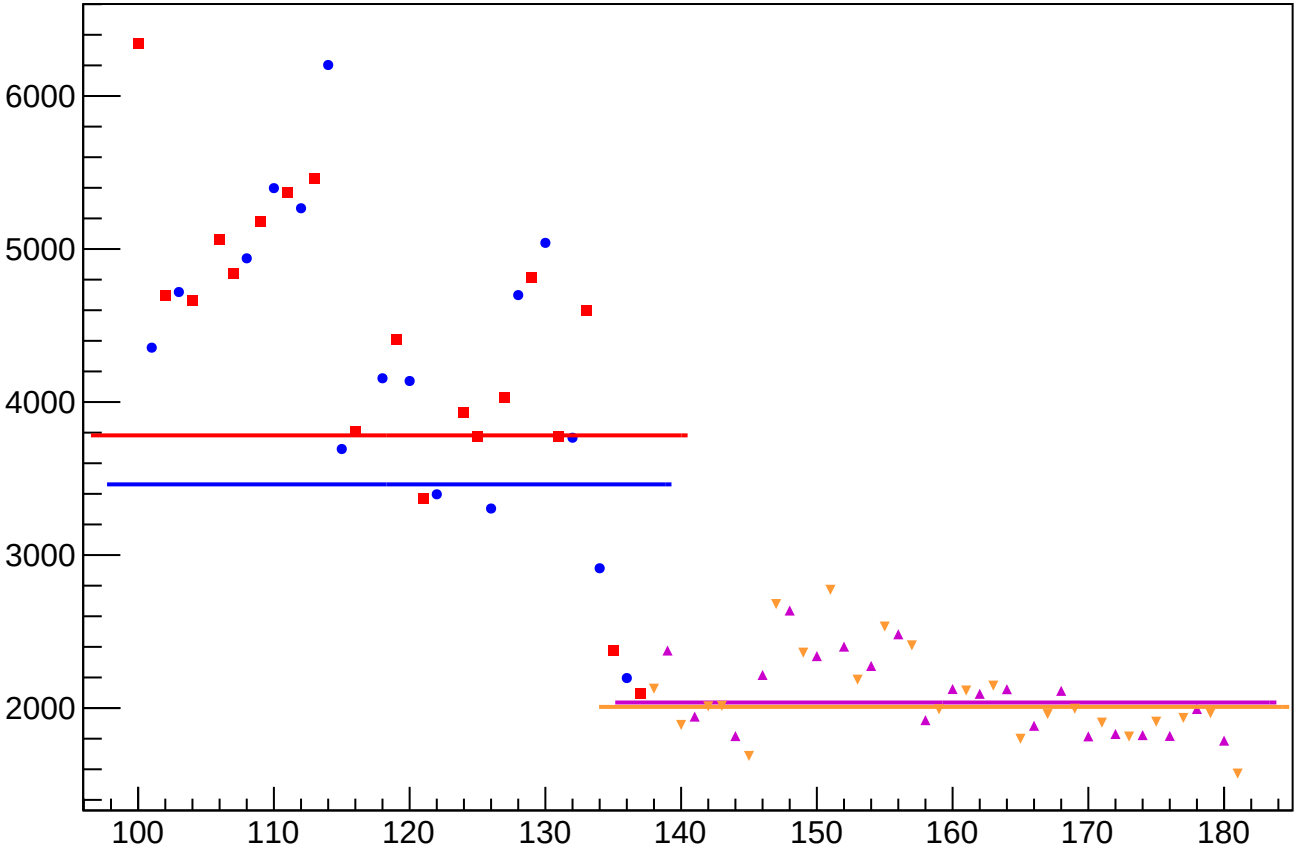
Left In: -184.457+/-494.693 χ^2/NDF:31.7/20

+ sign -1256.890+/-447.859 χ^2/NDF: 59.7/38

All: -784.212+/-323.582 χ^2/NDF: 108.0/78

- sign -267.986+/-468.035 χ^2/NDF: 45.9/39

asym_sam2_cor_correction_rms vs Slug



Right In: 3461.932+/-0.957 χ^2/NDF: 1309596.2/15

Left Out: 2007.704+/-0.336 χ^2/NDF:652050.7/22

Right Out: 3782.176+/-1.022 χ^2/NDF: 1136342.8/18

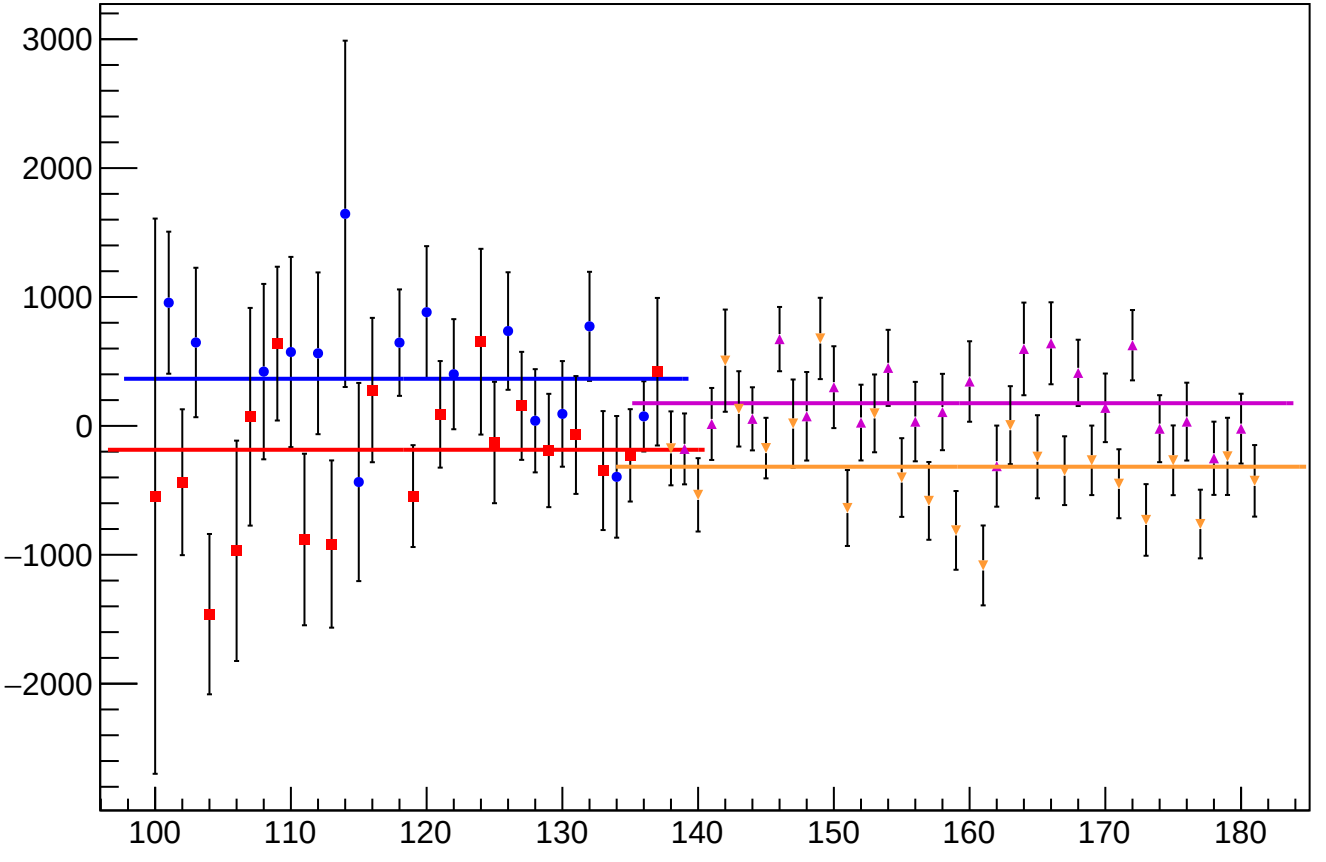
Left In: 2036.498+/-0.350 χ^2/NDF:449541.2/20

+ sign 2166.849+/-0.317 χ^2/NDF: 4016781.8/38

All: 2192.050+/-0.229 χ^2/NDF: 8227765.0/78

- sign 2219.571+/-0.331 χ^2/NDF: 4197735.3/39

eigen_cor_asym_sam2_mean vs Slug



Right In: 365.523+/-118.873 χ^2/NDF: 11.5/15

Left Out: -316.797+/-60.653 χ^2/NDF:38.2/22

Right Out: -185.331+/-120.199 χ^2/NDF: 14.9/18

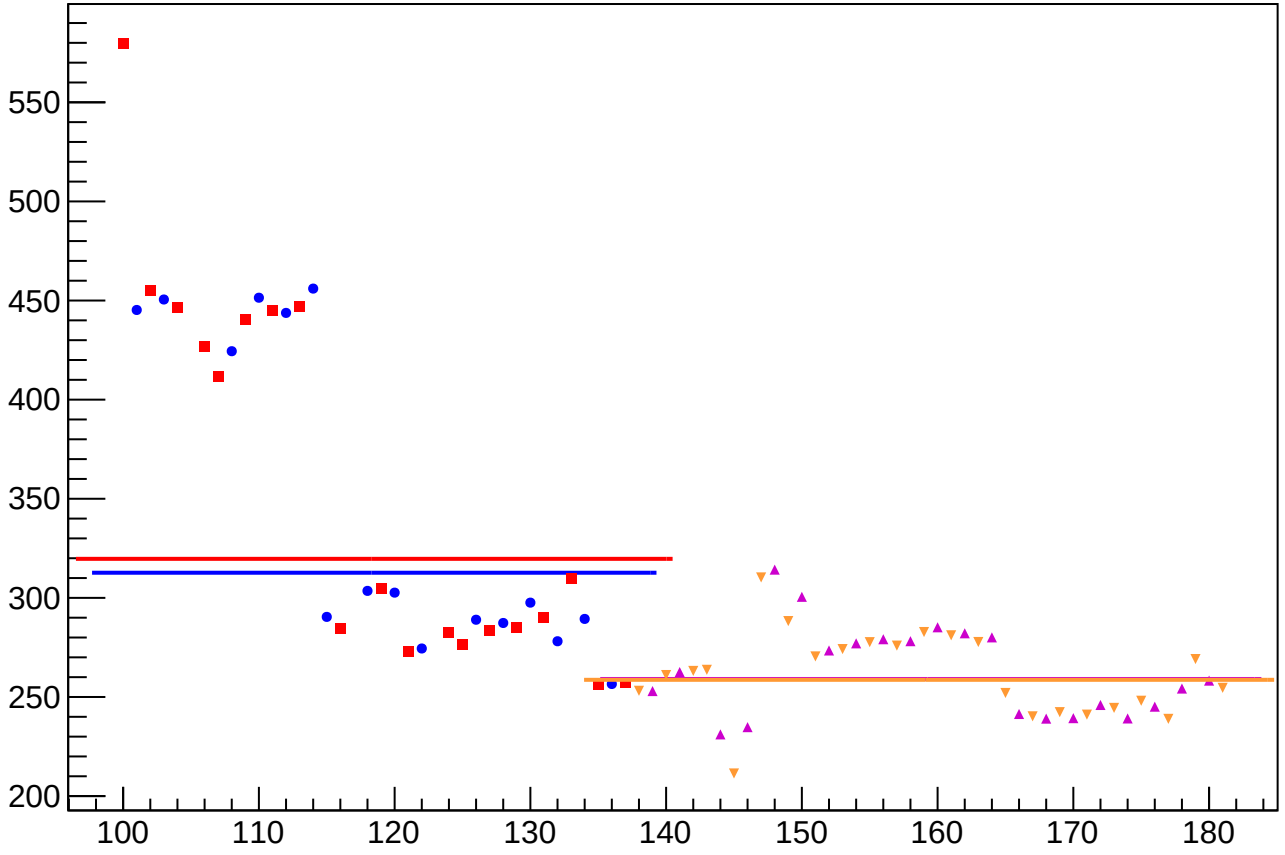
Left In: 175.986+/-62.666 χ^2/NDF:21.2/20

\+ sign -175.855+/-54.027 χ^2/NDF: 75.8/38

All: -42.404+/-38.736 χ^2/NDF: 131.6/78

\- sign 98.767+/-55.567 χ^2/NDF: 43.3/39

eigen_cor_asym_sam2_rms vs Slug



Right In: 312.683+/-0.084 χ^2/NDF: 602209.1/15

Left Out: 258.662+/-0.043 χ^2/NDF:248095.9/22

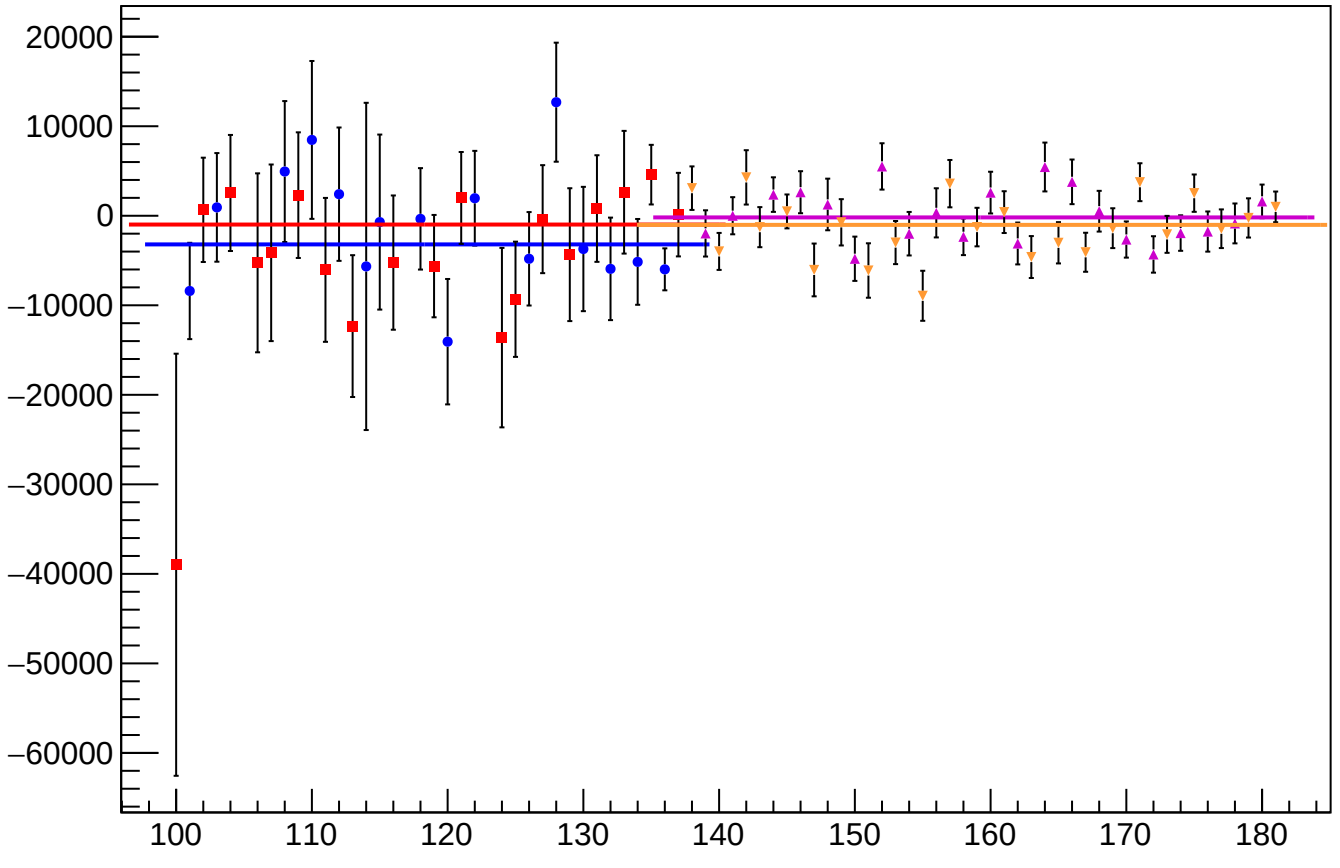
Right Out: 319.693+/-0.085 χ^2/NDF: 693714.1/18

Left In: 259.083+/-0.044 χ^2/NDF:243050.2/20

+ sign 269.821+/-0.038 χ^2/NDF: 1178016.0/38

All: 270.898+/-0.027 χ^2/NDF: 2516252.9/78

- sign 272.037+/-0.039 χ^2/NDF: 1336602.3/39



Right In: -3198.673+/-1353.816 χ^2/NDF: 16.1/15

Left Out: -1018.275+/-474.579 χ^2/NDF:41.3/22

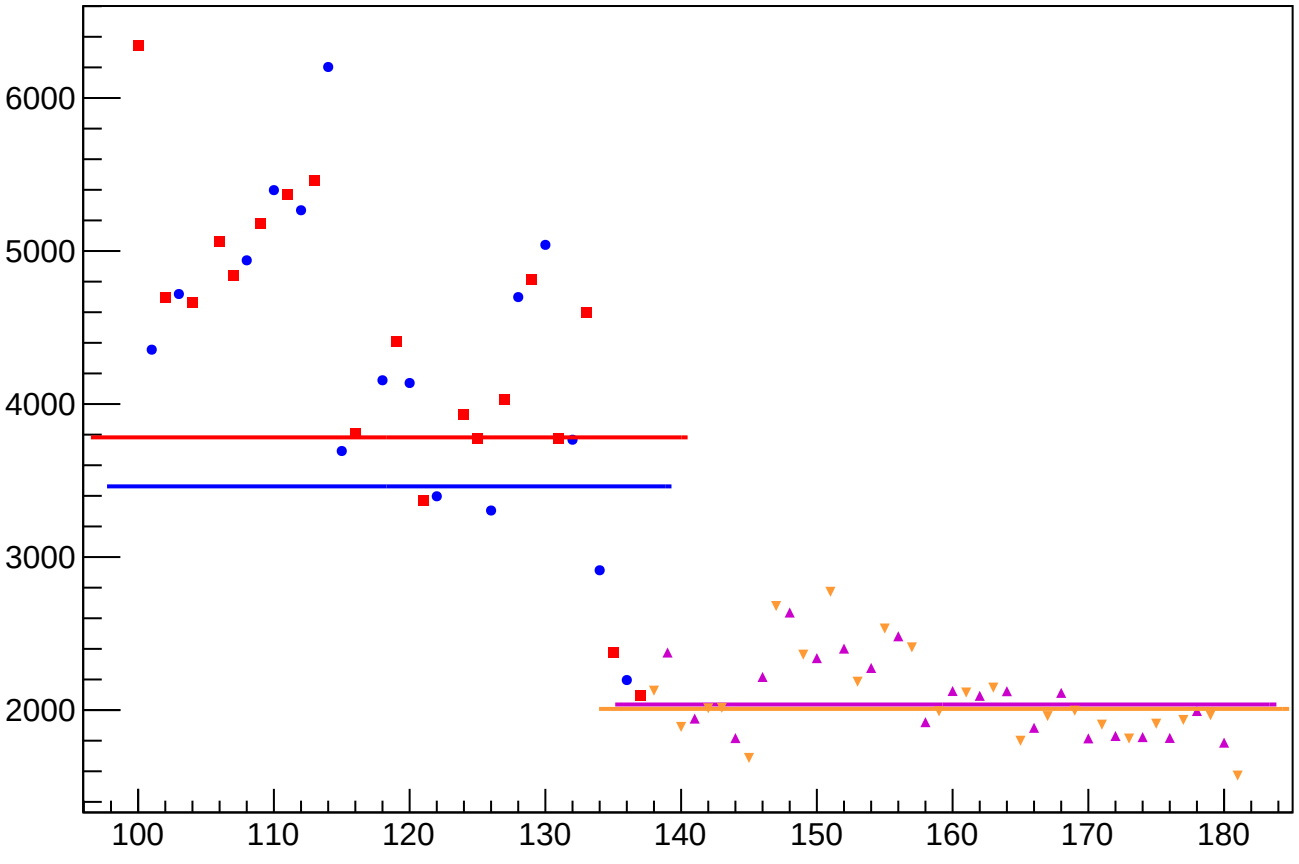
Right Out: -980.937+/-1445.265 χ^2/NDF: 14.0/18

Left In: -184.457+/-494.693 χ^2/NDF:31.7/20

+ sign -1256.890+/-447.859 χ^2/NDF: 59.7/38

All: -784.212+/-323.582 χ^2/NDF: 108.0/78

- sign -267.986+/-468.035 χ^2/NDF: 45.9/39



Right In: 3461.932+/-0.957 χ^2/NDF: 1309596.2/15

Left Out: 2007.704+/-0.336 χ^2/NDF:652050.7/22

Right Out: 3782.176+/-1.022 χ^2/NDF: 1136342.8/18

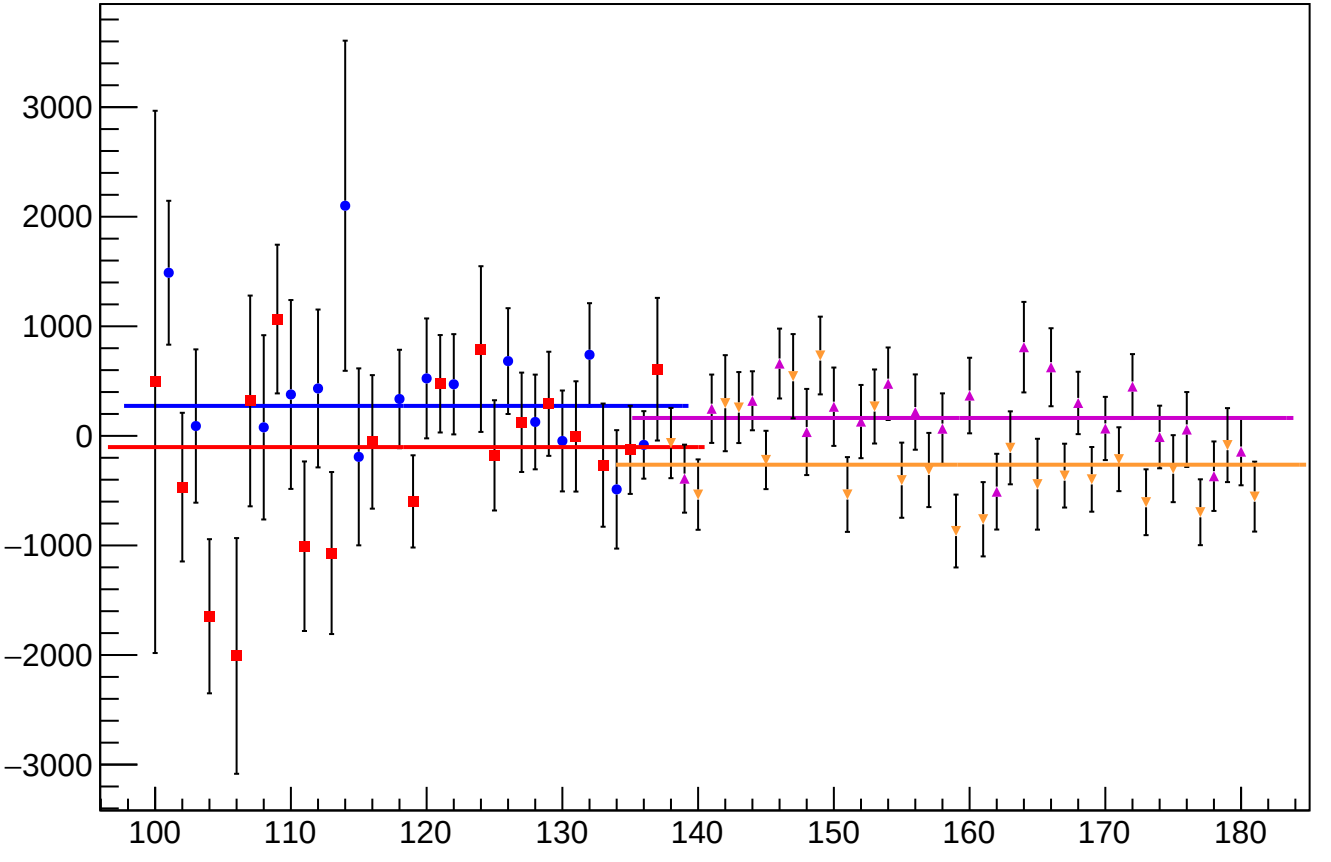
Left In: 2036.498+/-0.350 χ^2/NDF:449541.2/20

+ sign 2166.849+/-0.317 χ^2/NDF: 4016781.8/38

All: 2192.050+/-0.229 χ^2/NDF: 8227765.0/78

- sign 2219.571+/-0.331 χ^2/NDF: 4197735.3/39

dit_asym_sam2_mean vs Slug



Right In: 273.578+/-132.537 χ^2/NDF: 11.4/15

Left Out: -263.137+/-67.944 χ^2/NDF:31.7/22

Right Out: -102.369+/-133.606 χ^2/NDF: 21.3/18

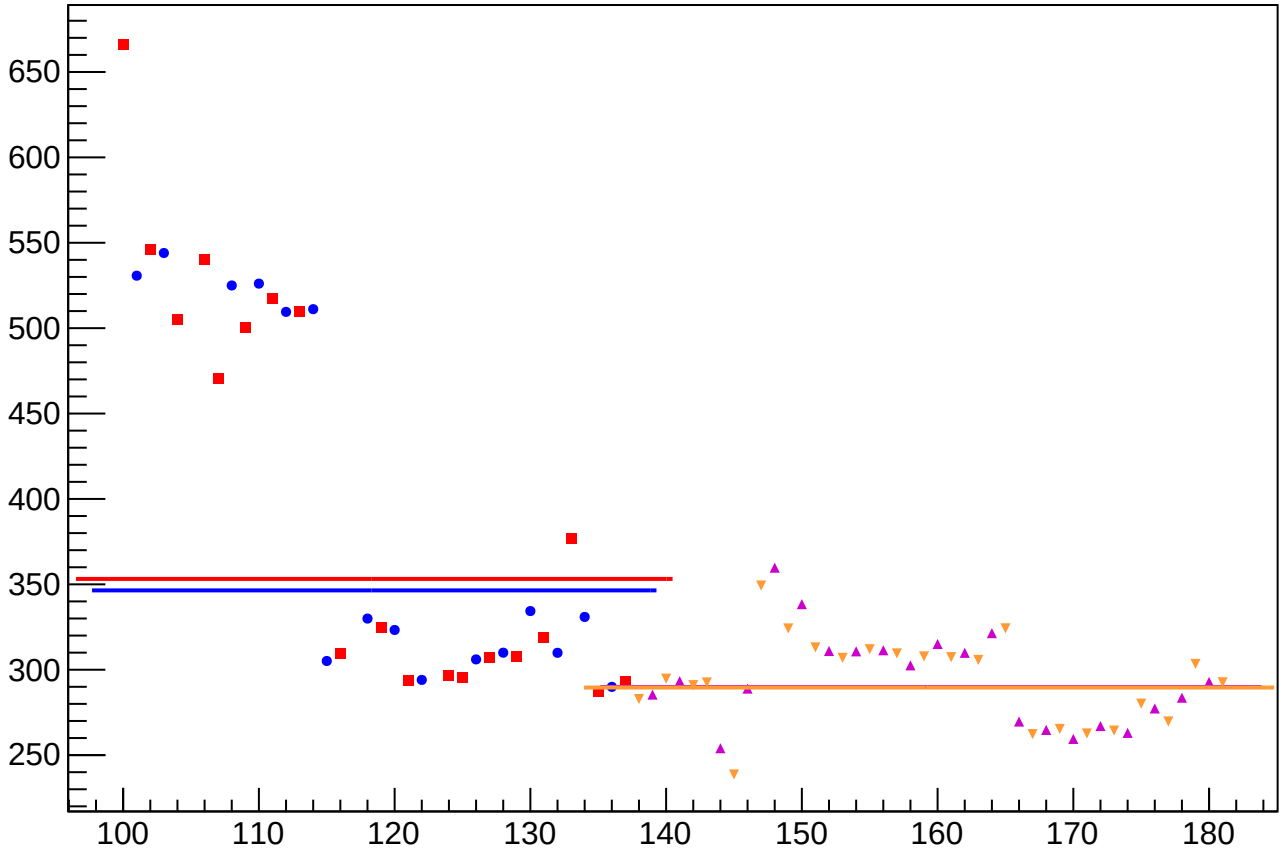
Left In: 163.340+/-70.293 χ^2/NDF:21.1/20

\+ sign -151.442+/-60.462 χ^2/NDF: 56.1/38

All: -26.514+/-43.357 χ^2/NDF: 110.4/78

\- sign 105.736+/-62.209 χ^2/NDF: 45.5/39

dit_asym_sam2_rms vs Slug



Right In: 346.455+/-0.094 χ^2/NDF: 768763.1/15

Left Out: 289.578+/-0.048 χ^2/NDF:278931.2/22

Right Out: 353.178+/-0.094 χ^2/NDF: 866364.3/18

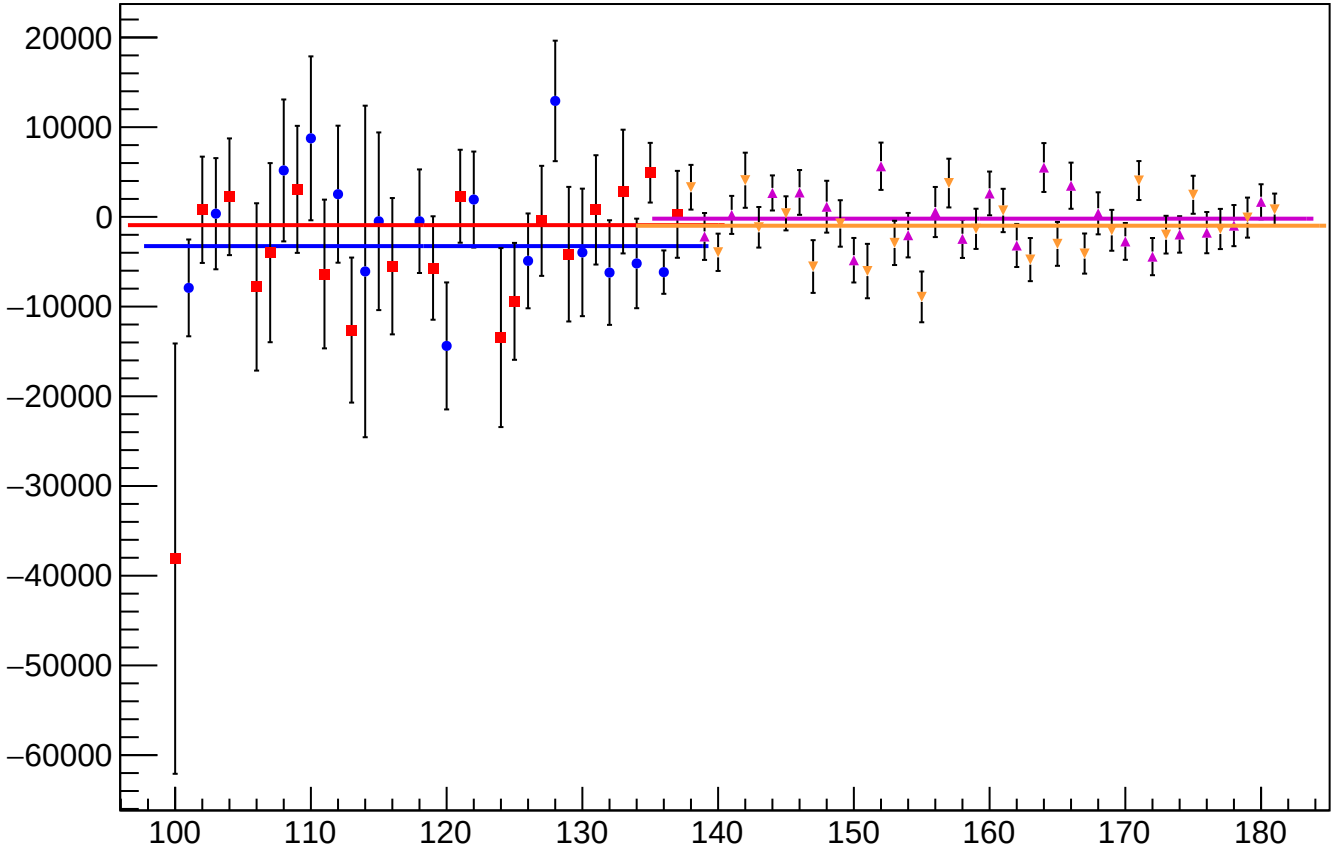
Left In: 289.899+/-0.050 χ^2/NDF:269525.8/20

+ sign 301.414+/-0.043 χ^2/NDF: 1339366.3/38

All: 302.485+/-0.031 χ^2/NDF: 2827920.0/78

- sign 303.617+/-0.044 χ^2/NDF: 1487264.0/39

asym_sam2_dit_correction_mean vs Slug



Right In: -3258.837+/-1384.139 χ^2/NDF: 16.0/15

Left Out: -985.007+/-484.858 χ^2/NDF:40.1/22

Right Out: -921.196+/-1460.727 χ^2/NDF: 14.6/18

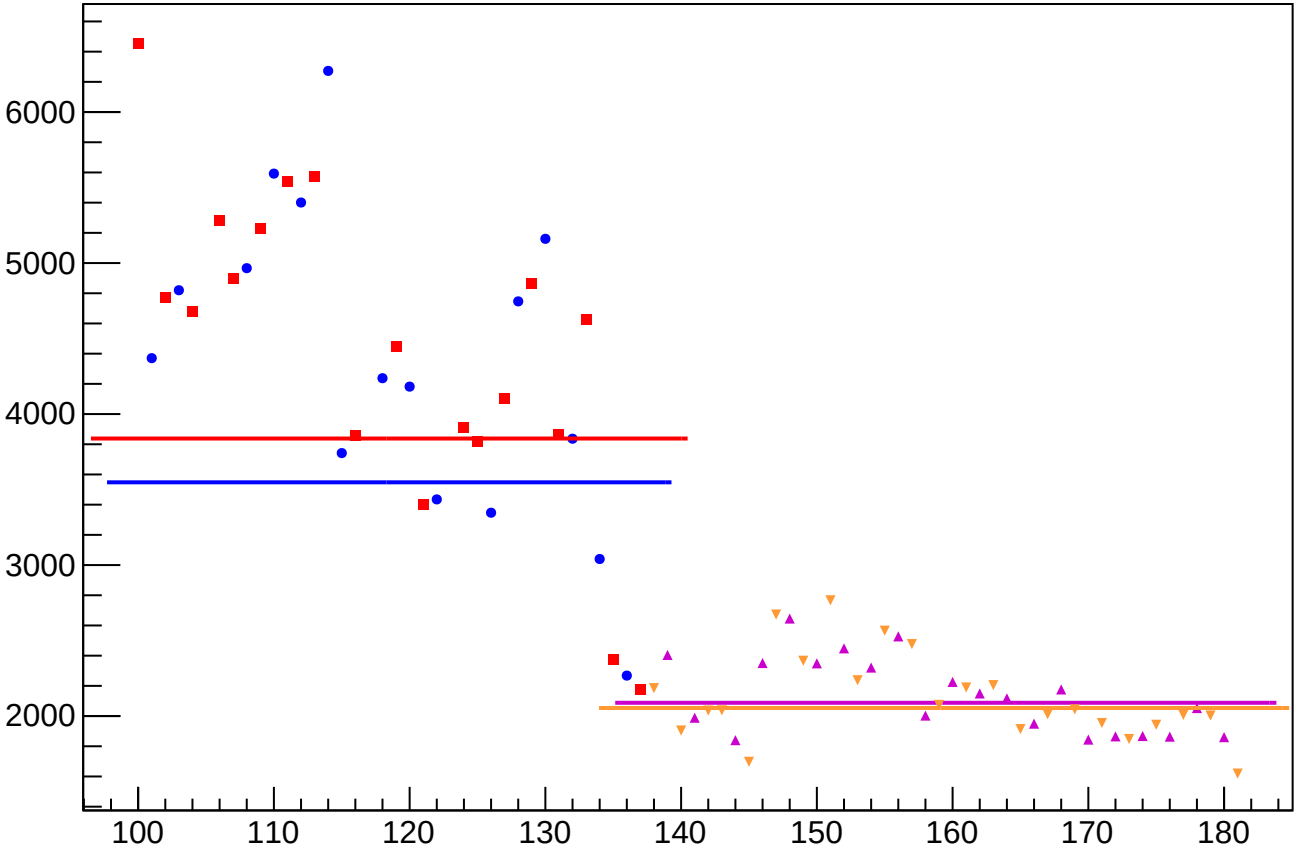
Left In: -201.032+/-506.998 χ^2/NDF:31.8/20

+ sign -1233.527+/-457.595 χ^2/NDF: 58.5/38

All: -777.778+/-330.867 χ^2/NDF: 107.2/78

- sign -278.462+/-478.968 χ^2/NDF: 46.6/39

asym_sam2_dit_correction_rms vs Slug



Right In: 3547.969+/-0.979 χ^2/NDF: 1258486.8/15

Left Out: 2053.432+/-0.343 χ^2/NDF:613293.3/22

Right Out: 3837.970+/-1.033 χ^2/NDF: 1155831.8/18

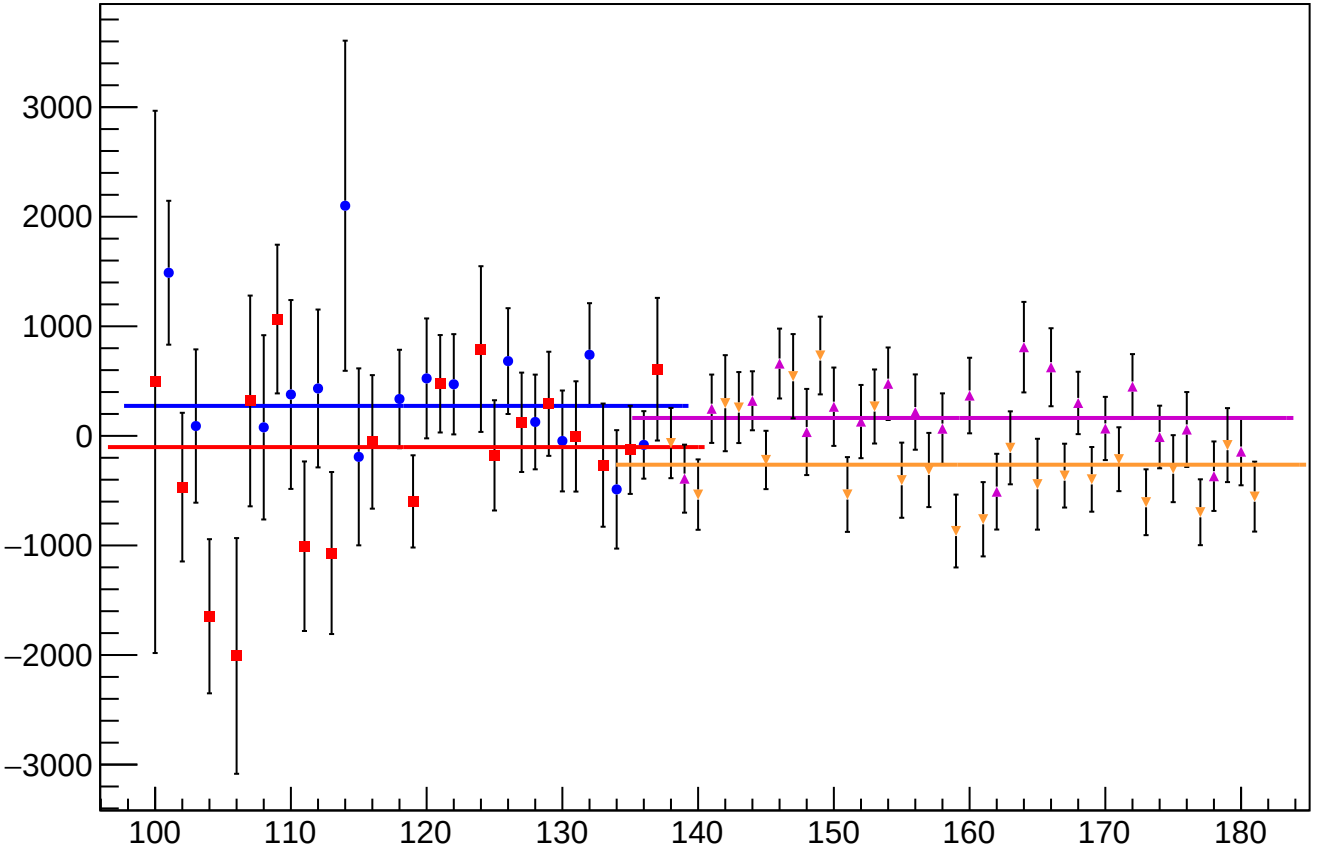
Left In: 2088.014+/-0.359 χ^2/NDF:430209.6/20

+ sign 2216.779+/-0.324 χ^2/NDF: 3948687.4/38

All: 2245.117+/-0.234 χ^2/NDF: 8112606.5/78

- sign 2276.163+/-0.339 χ^2/NDF: 4147846.0/39

eigen_dit_asym_sam2_mean vs Slug



Right In: 273.582+/-132.536 χ^2/NDF: 11.4/15

Left Out: -263.140+/-67.944 χ^2/NDF:31.7/22

Right Out: -102.368+/-133.606 χ^2/NDF: 21.3/18

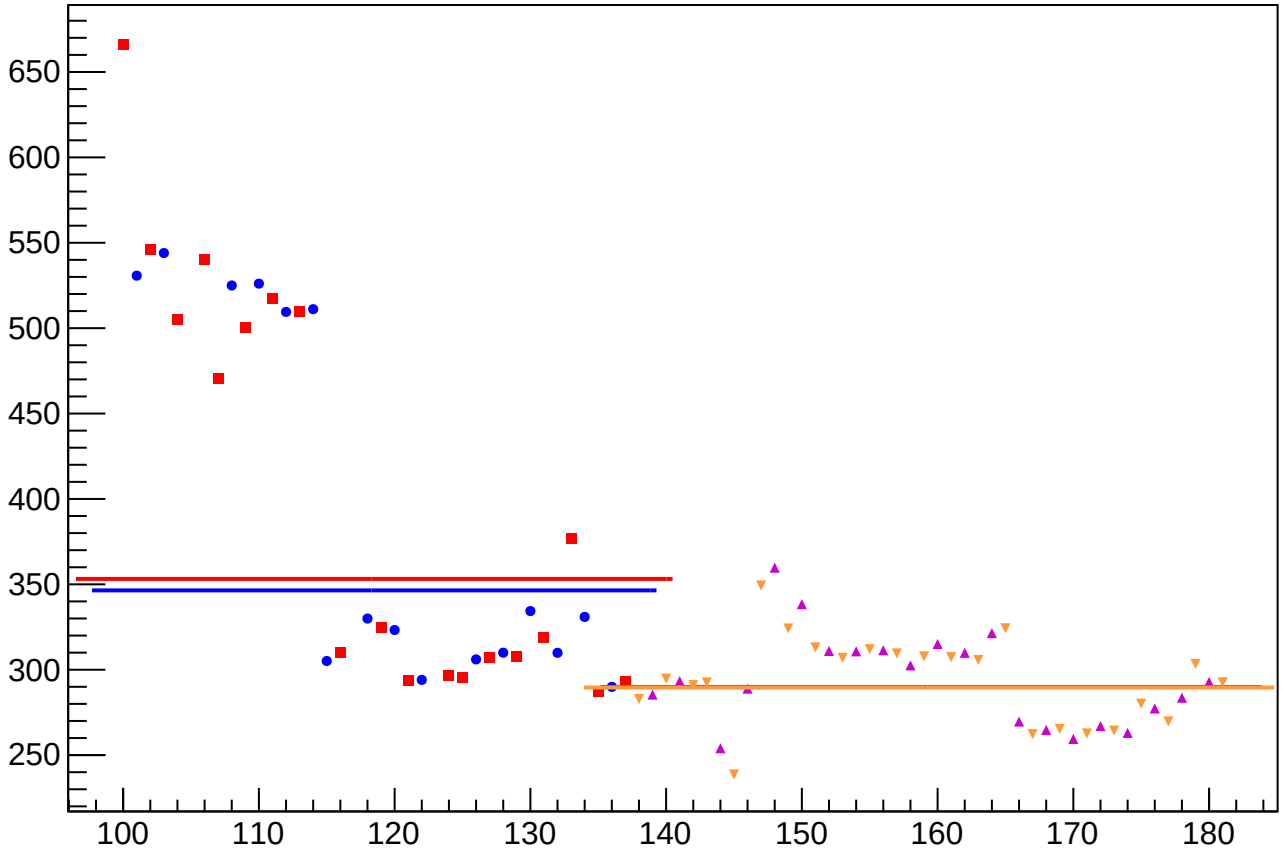
Left In: 163.342+/-70.293 χ^2/NDF:21.1/20

\+ sign -151.443+/-60.462 χ^2/NDF: 56.1/38

All: -26.514+/-43.357 χ^2/NDF: 110.4/78

\- sign 105.737+/-62.209 χ^2/NDF: 45.5/39

eigen_dit_asym_sam2_rms vs Slug



Right In: 346.453+/-0.094 χ^2/NDF: 768754.7/15

Left Out: 289.578+/-0.048 χ^2/NDF:278937.0/22

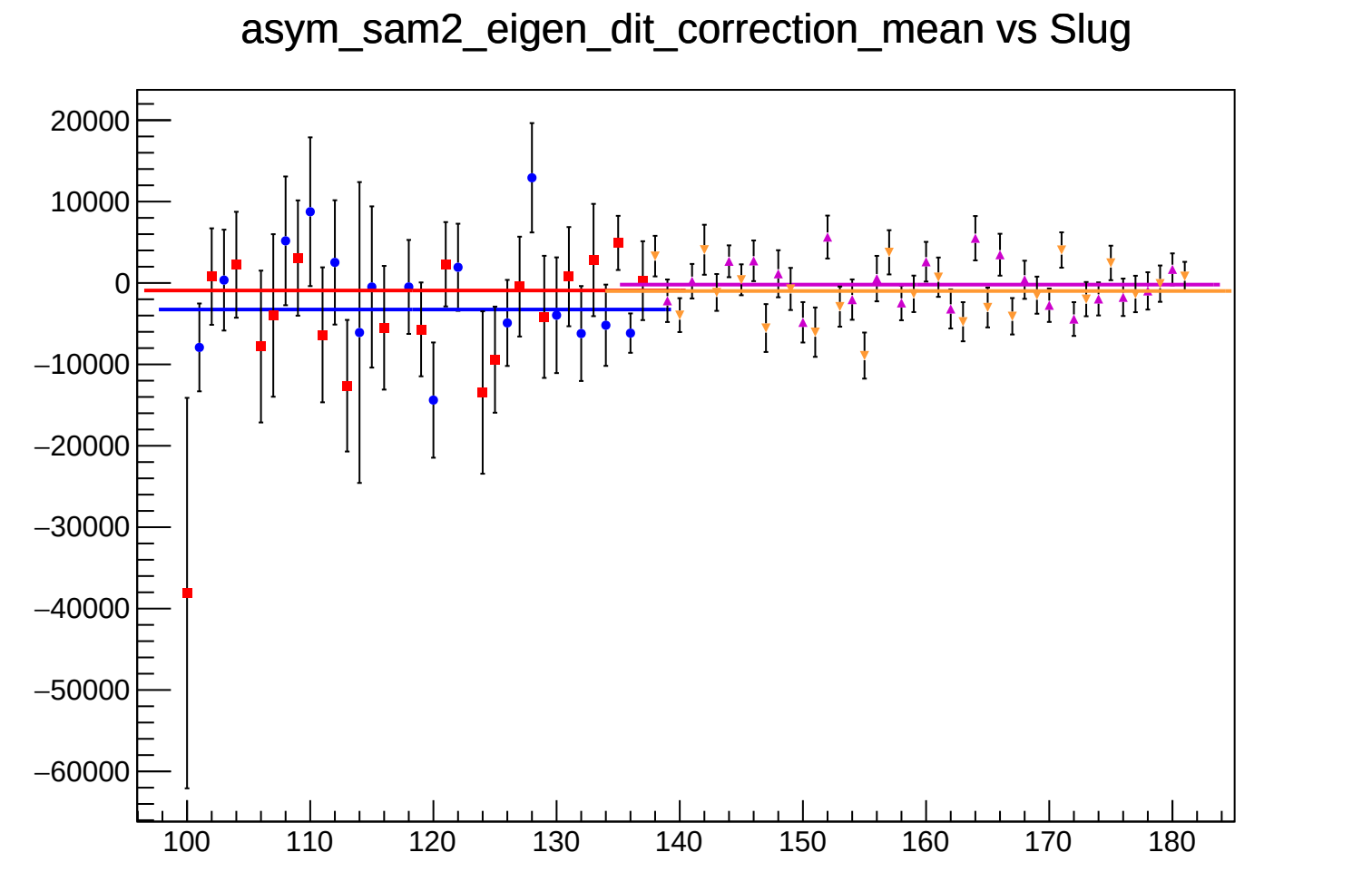
Right Out: 353.176+/-0.094 χ^2/NDF: 866353.6/18

Left In: 289.899+/-0.050 χ^2/NDF:269528.2/20

+ sign 301.414+/-0.043 χ^2/NDF: 1339344.6/38

All: 302.484+/-0.031 χ^2/NDF: 2827877.8/78

- sign 303.617+/-0.044 χ^2/NDF: 1487243.3/39



Right In: -3258.828+/-1384.137 χ^2/NDF: 16.0/15

Left Out: -985.007+/-484.858 χ^2/NDF:40.1/22

Right Out: -921.200+/-1460.725 χ^2/NDF: 14.6/18

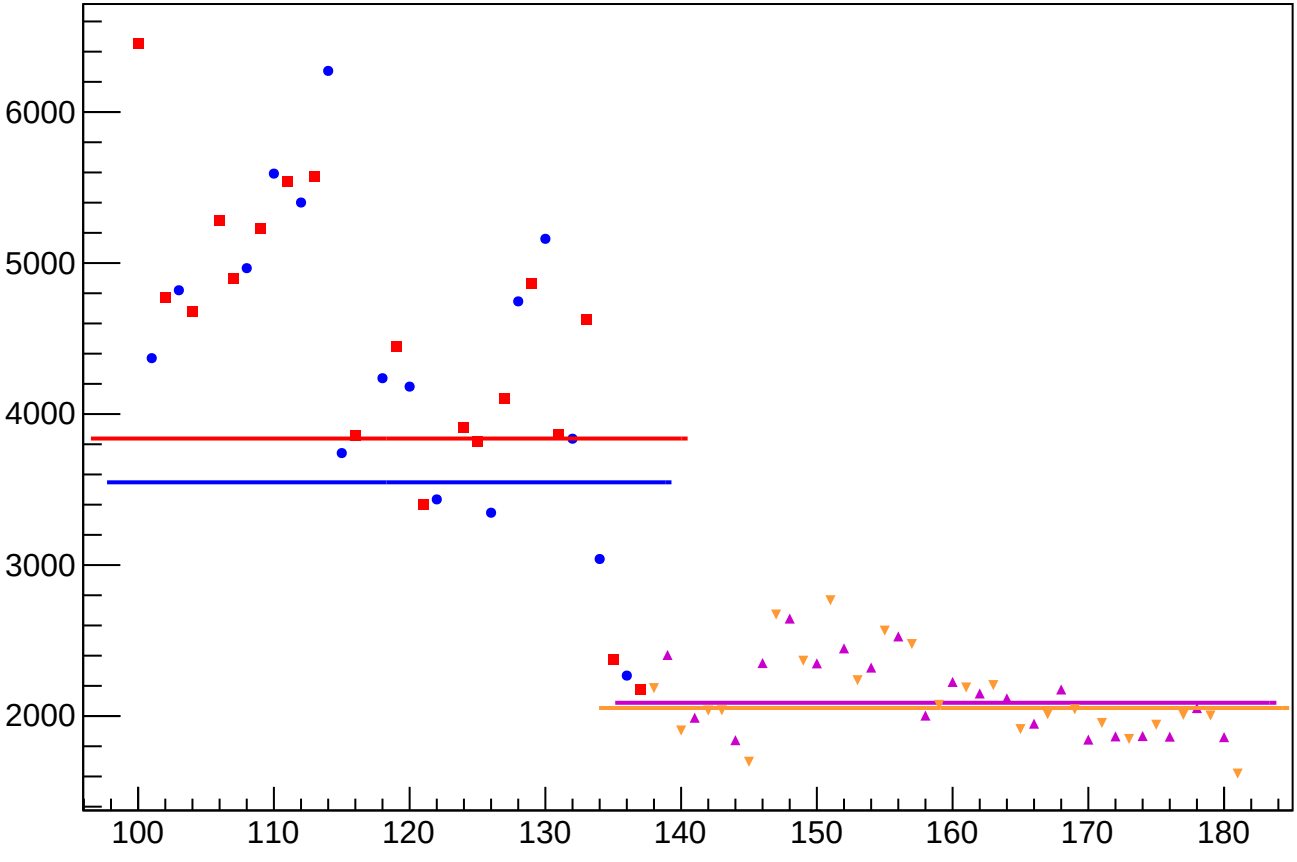
Left In: -201.033+/-506.998 χ^2/NDF:31.8/20

+ sign -1233.527+/-457.595 χ^2/NDF: 58.5/38

All: -777.779+/-330.867 χ^2/NDF: 107.2/78

- sign -278.463+/-478.968 χ^2/NDF: 46.6/39

asym_sam2_eigen_dit_correction_rms vs Slug



Right In: 3547.966+/-0.979 χ^2/NDF: 1258472.8/15

Left Out: 2053.433+/-0.343 χ^2/NDF:613298.0/22

Right Out: 3837.965+/-1.033 χ^2/NDF: 1155821.5/18

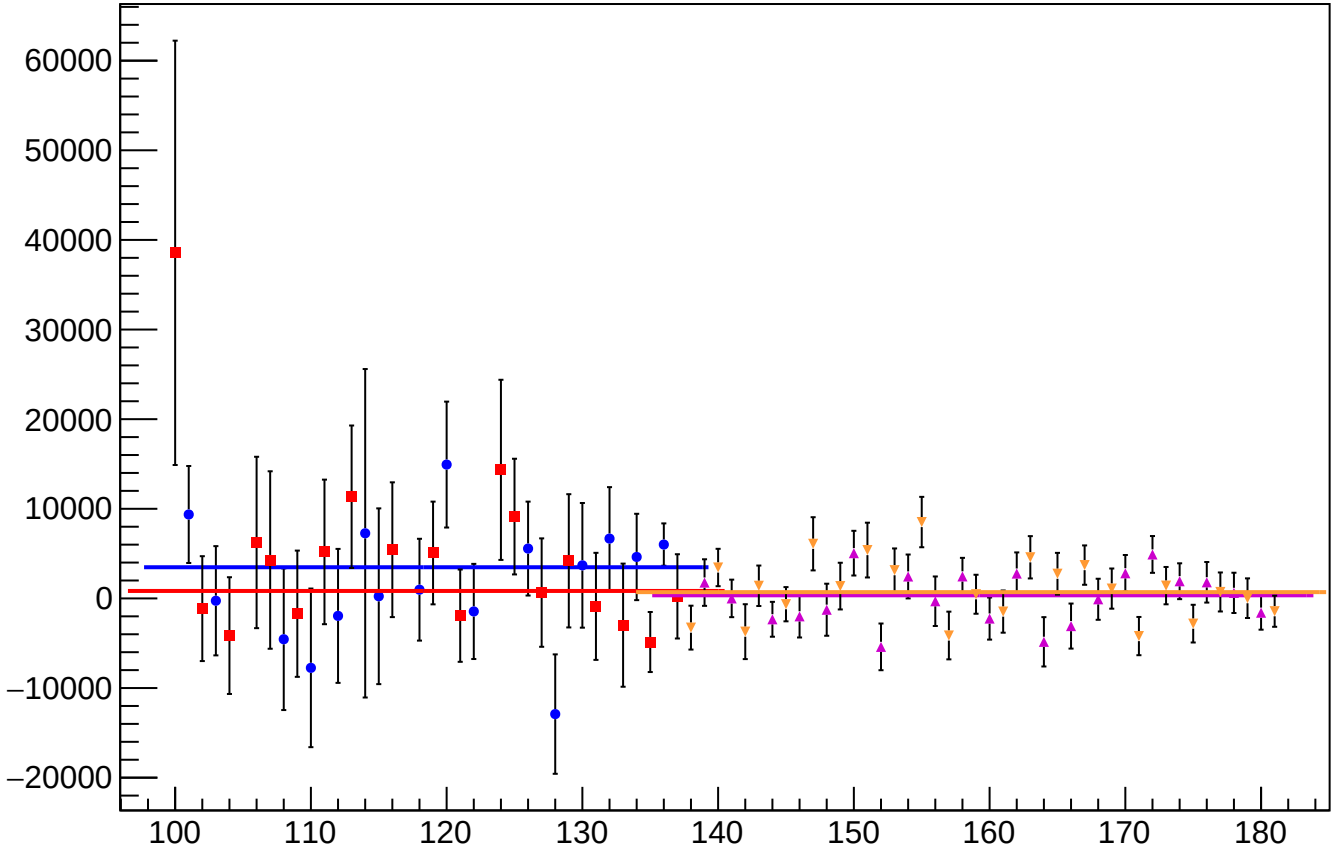
Left In: 2088.015+/-0.359 χ^2/NDF:430209.3/20

+ sign 2216.779+/-0.324 χ^2/NDF: 3948673.7/38

All: 2245.117+/-0.234 χ^2/NDF: 8112574.6/78

- sign 2276.164+/-0.339 χ^2/NDF: 4147827.5/39

asym_sam2_mean vs Slug



Right In: 3478.372+/-1360.356 χ^2/NDF: 16.3/15

Left Out: 701.559+/-478.650 χ^2/NDF:40.9/22

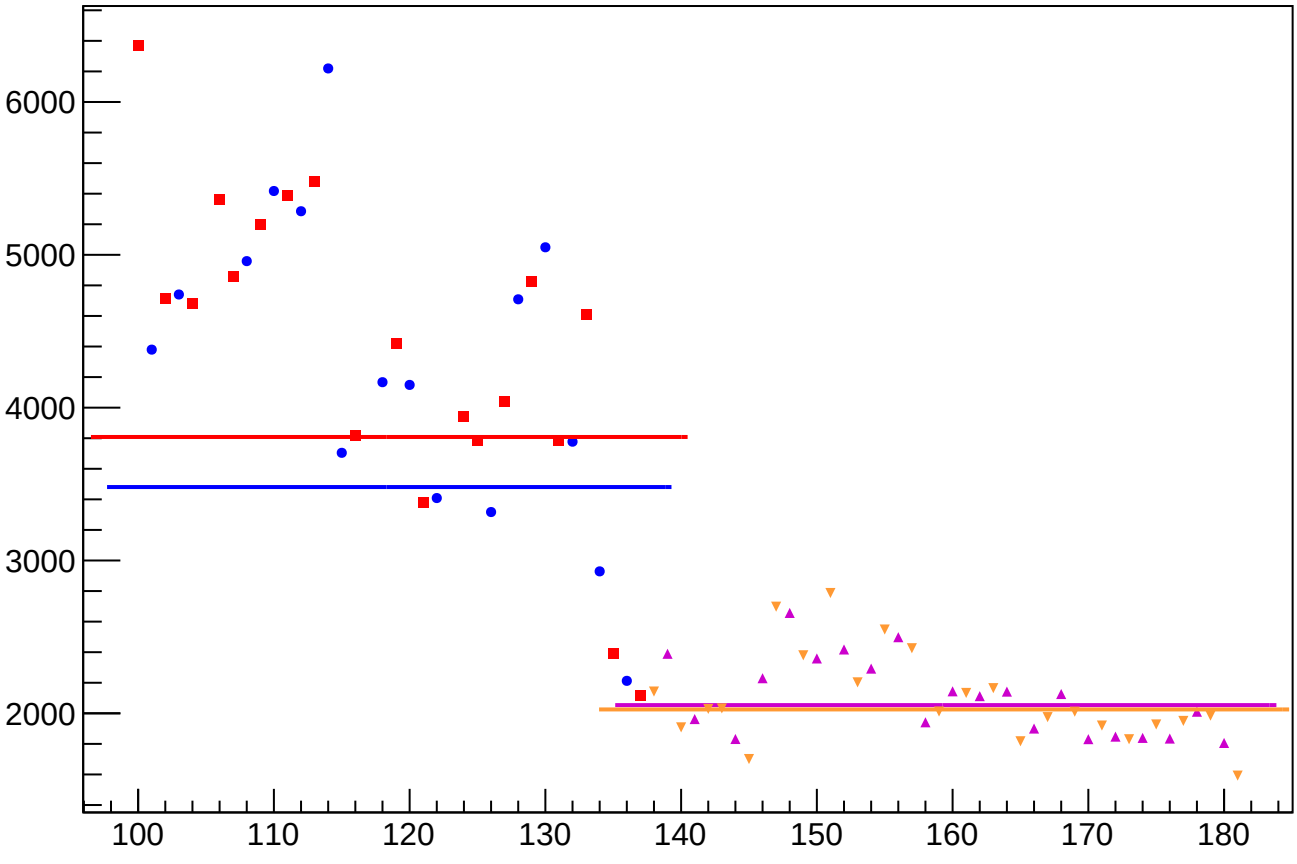
Right Out: 832.583+/-1449.649 χ^2/NDF: 14.0/18

Left In: 347.073+/-498.820 χ^2/NDF:30.0/20

+ sign 1007.465+/-451.516 χ^2/NDF: 60.9/38

All: 716.262+/-326.165 χ^2/NDF: 105.9/78

- sign 398.473+/-471.677 χ^2/NDF: 44.1/39



Right In: 3480.559+/-0.962 χ^2/NDF: 1296641.6/15

Left Out: 2025.399+/-0.338 χ^2/NDF:640212.0/22

Right Out: 3808.151+/-1.025 χ^2/NDF: 1147564.2/18

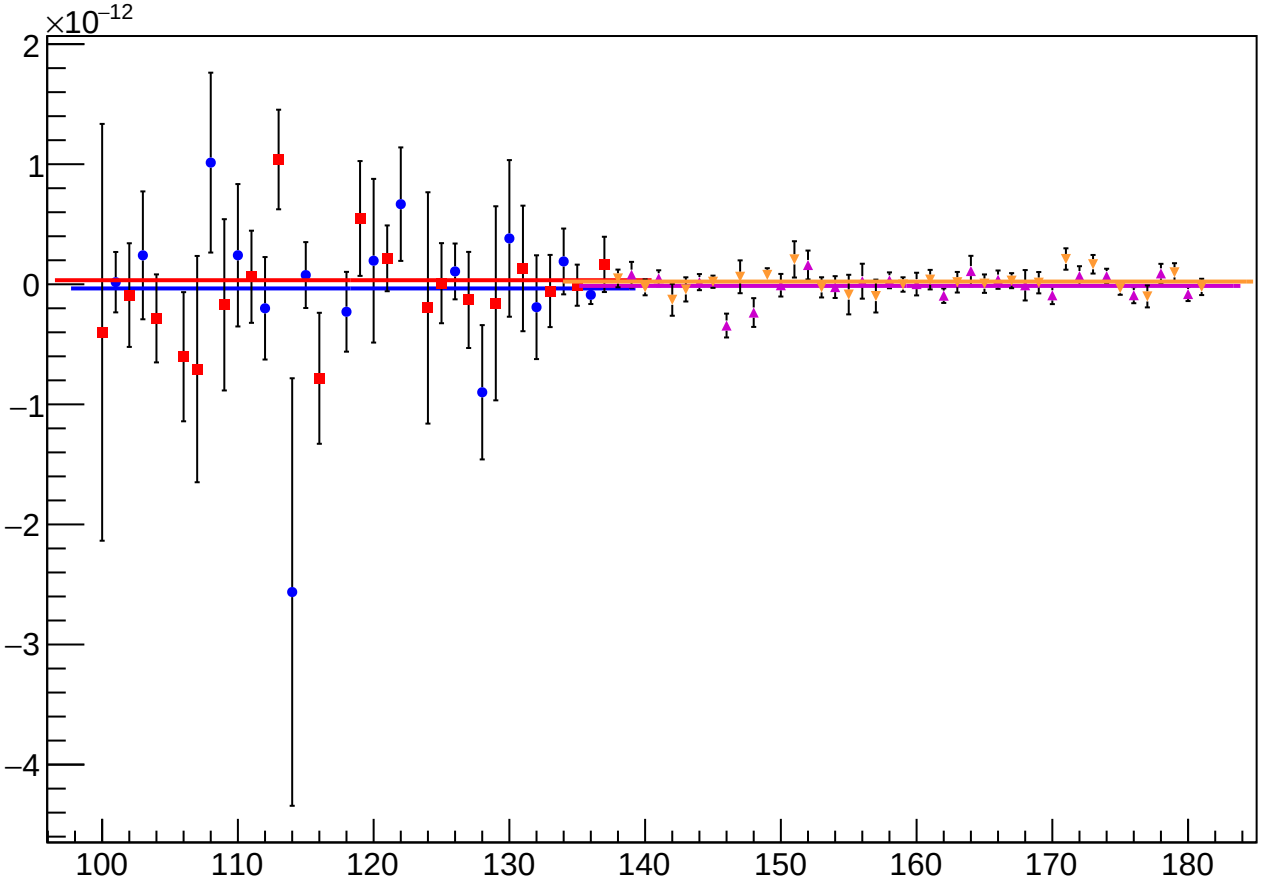
Left In: 2053.801+/-0.353 χ^2/NDF:442541.9/20

+ sign 2185.706+/-0.319 χ^2/NDF: 3973220.9/38

All: 2211.444+/-0.231 χ^2/NDF: 8195935.8/78

- sign 2239.531+/-0.334 χ^2/NDF: 4209124.7/39

asym_sam2_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 11.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.9/22

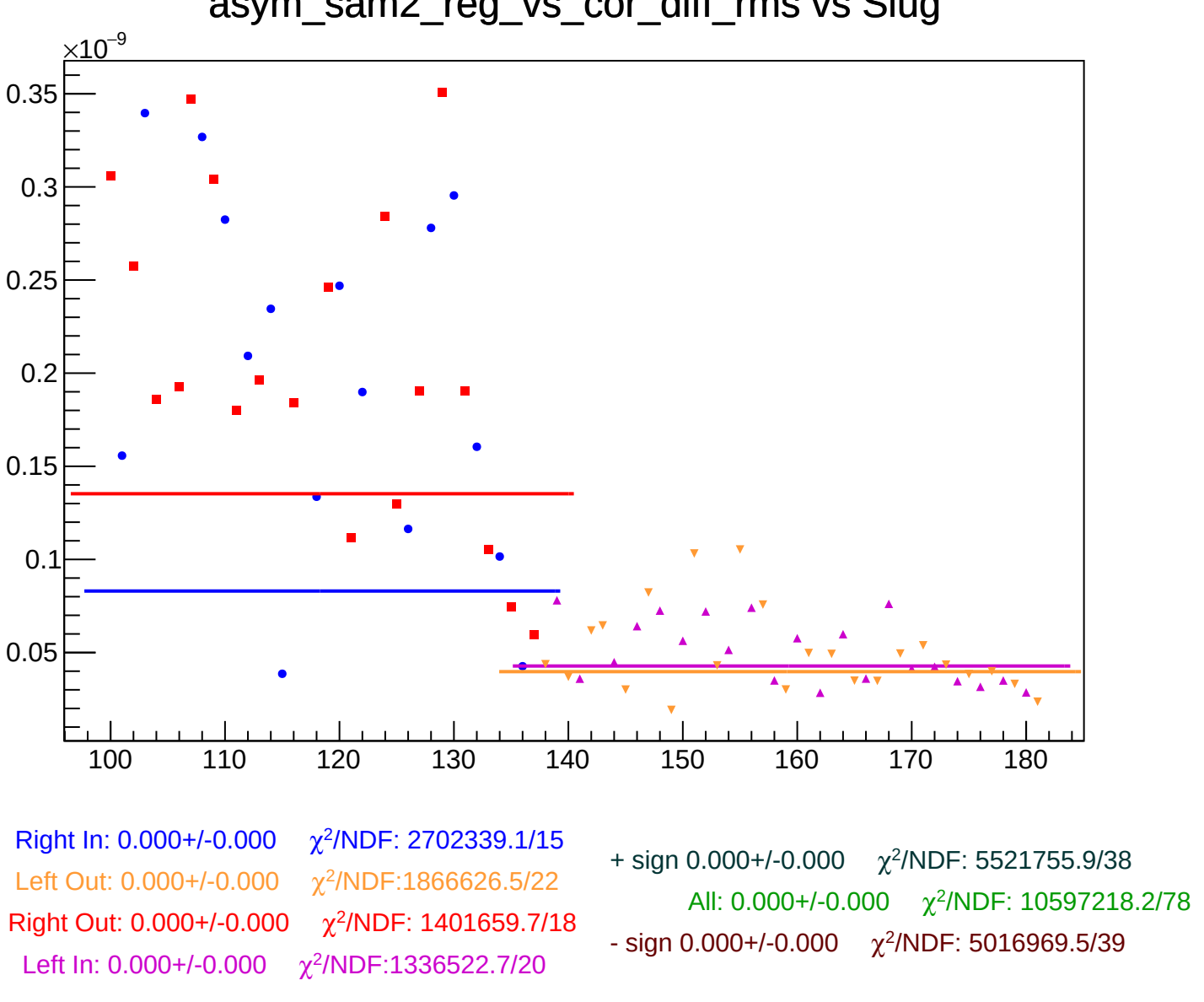
Right Out: 0.000+/-0.000 χ^2/NDF: 13.5/18

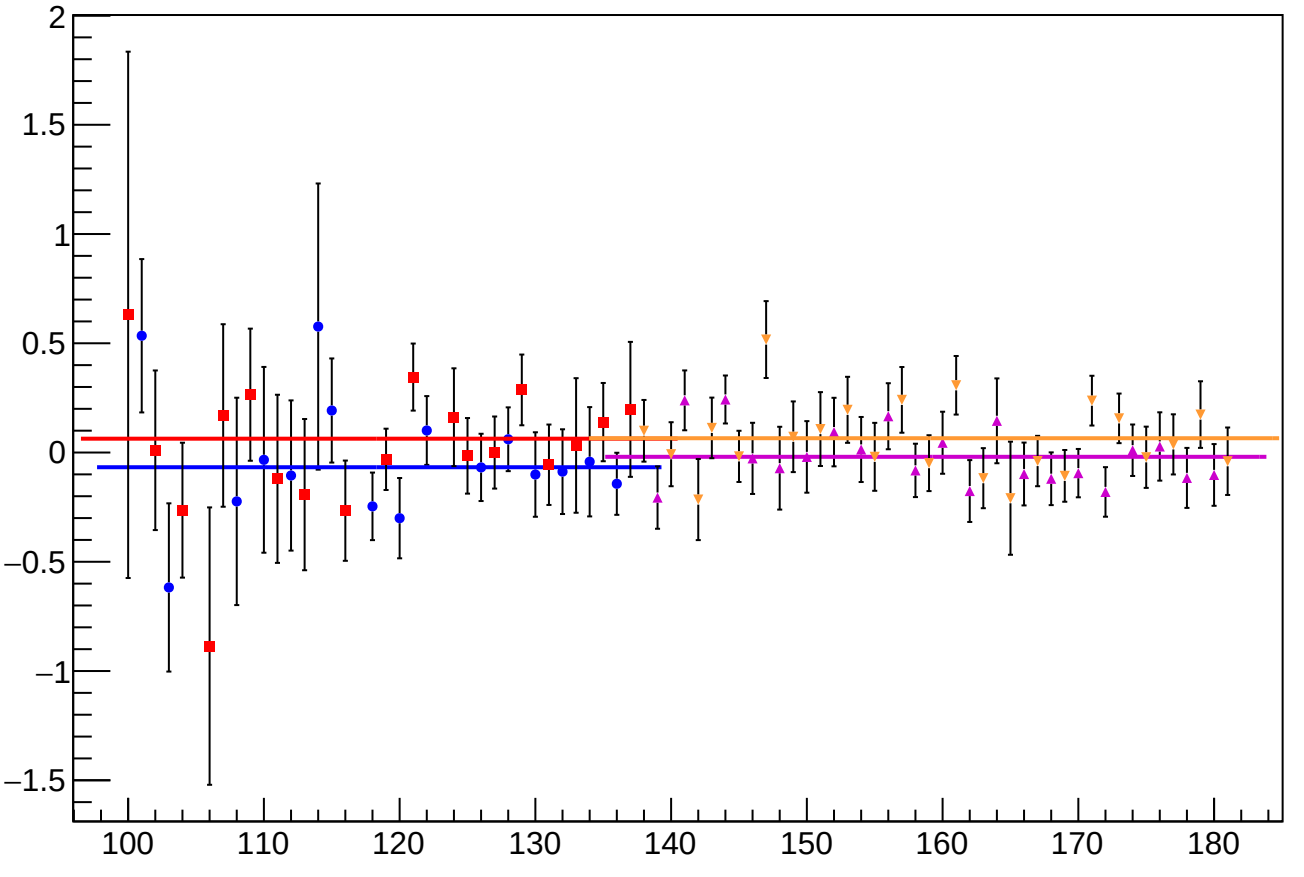
Left In: -0.000+/-0.000 χ^2/NDF:30.6/20

+ sign 0.000+/-0.000 χ^2/NDF: 31.7/38

All: 0.000+/-0.000 χ^2/NDF: 77.9/78

- sign -0.000+/-0.000 χ^2/NDF: 44.4/39


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:1866626.5/22
Right Out: 0.000+/-0.000 χ²/NDF: 1401659.7/18
Left In: 0.000+/-0.000 χ²/NDF:1336522.7/20
+ sign 0.000+/-0.000 χ²/NDF: 5521755.9/38
All: 0.000+/-0.000 χ²/NDF: 10597218.2/78
- sign 0.000+/-0.000 χ²/NDF: 5016969.5/39



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.065+/-0.029 χ^2/NDF:26.5/22

Right Out: 0.063+/-0.052 χ^2/NDF: 14.0/18

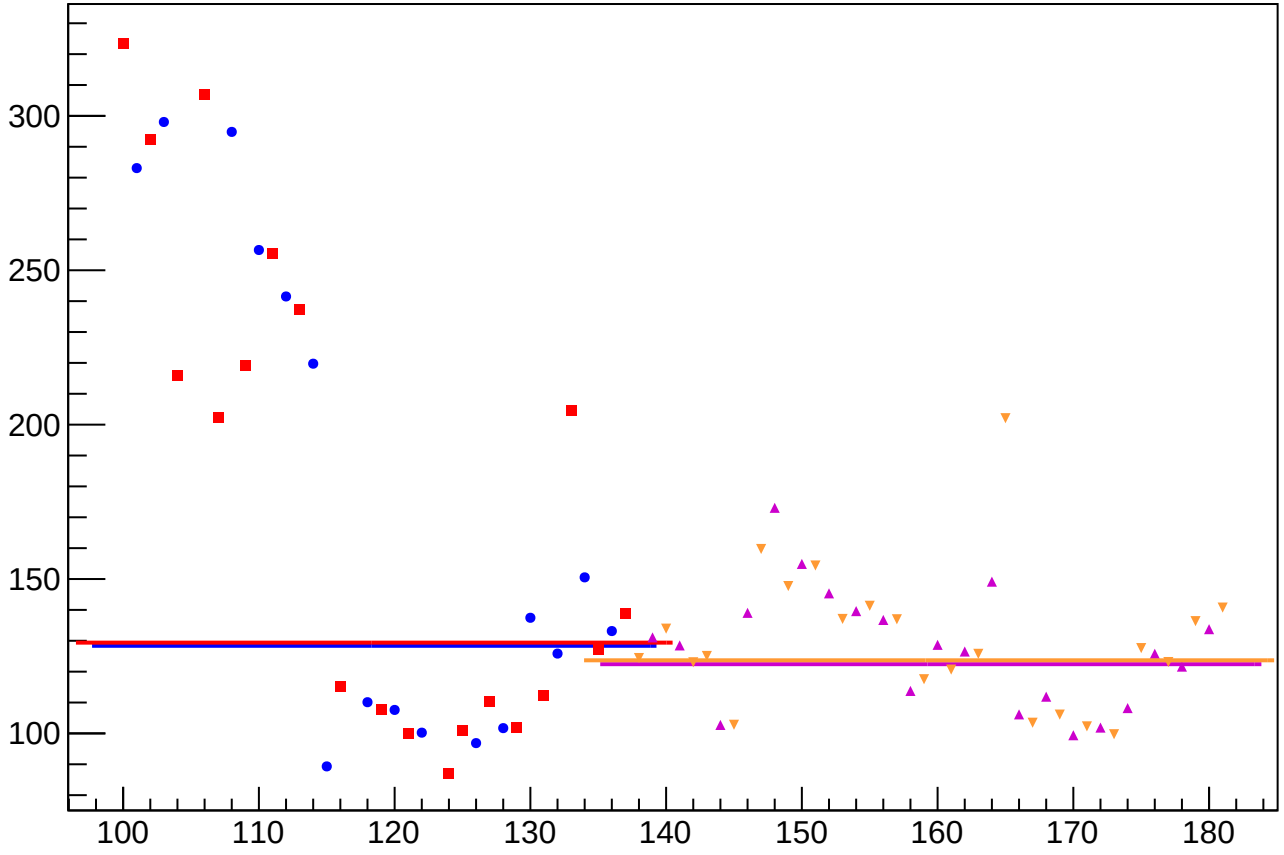
Left In: -0.020+/-0.030 χ^2/NDF:20.0/20

+ sign 0.033+/-0.026 χ^2/NDF: 43.9/38

All: 0.018+/-0.018 χ^2/NDF: 80.6/78

- sign 0.001+/-0.026 χ^2/NDF: 36.0/39

asym_sam2_dit_vs_cor_diff_rms vs Slug



Right In: 128.380+/-0.037 χ^2/NDF: 1805078.6/15

Left Out: 123.676+/-0.021 χ^2/NDF:819700.3/22

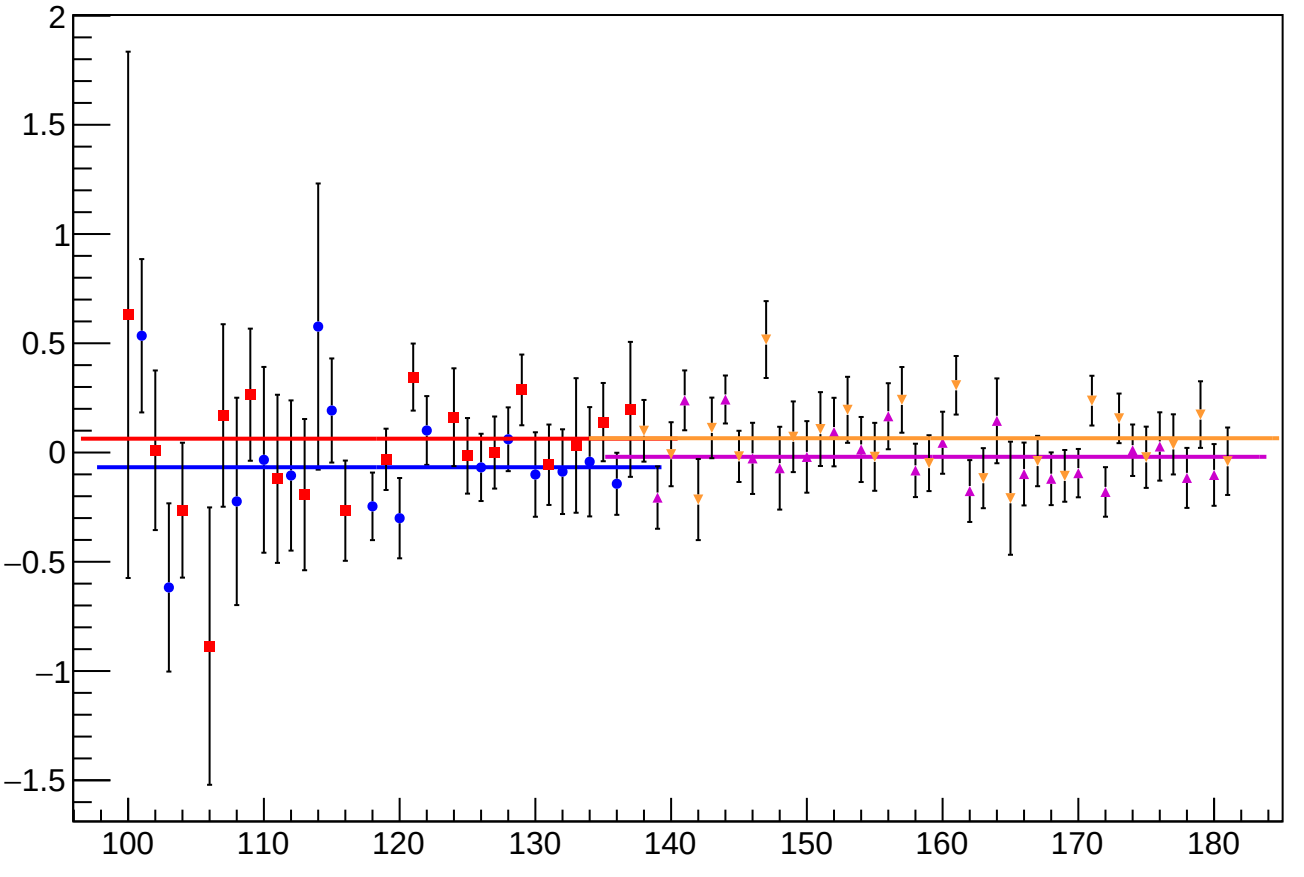
Right Out: 129.399+/-0.037 χ^2/NDF: 1888271.6/18

Left In: 122.423+/-0.021 χ^2/NDF:694722.1/20

\+ sign 124.820+/-0.018 χ^2/NDF: 2637273.4/38

All: 124.513+/-0.013 χ^2/NDF: 5248115.6/78

\- sign 124.193+/-0.018 χ^2/NDF: 2610250.2/39



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.065+/-0.029 χ^2/NDF:26.5/22

Right Out: 0.063+/-0.052 χ^2/NDF: 14.0/18

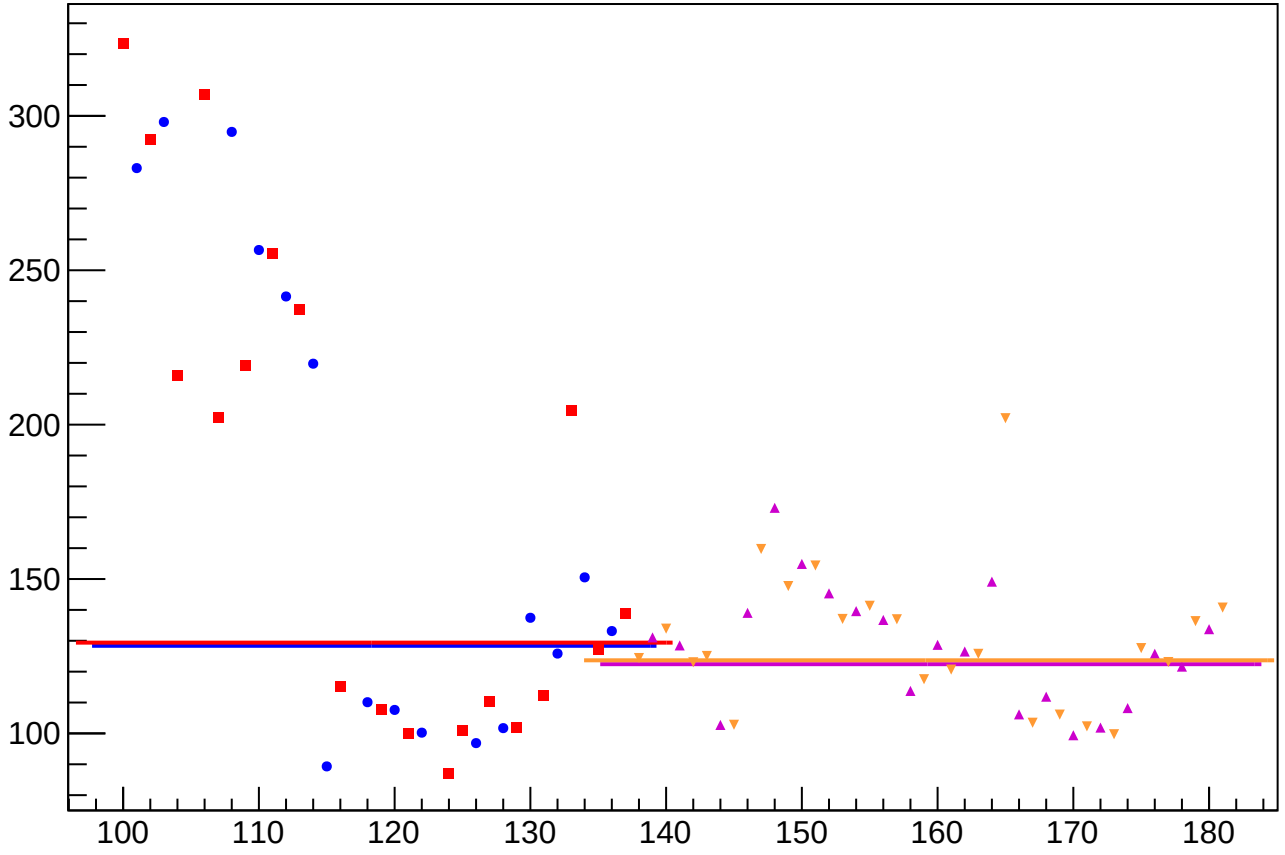
Left In: -0.020+/-0.030 χ^2/NDF:20.0/20

+ sign 0.033+/-0.026 χ^2/NDF: 43.9/38

All: 0.018+/-0.018 χ^2/NDF: 80.6/78

- sign 0.001+/-0.026 χ^2/NDF: 36.0/39

asym_sam2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 128.380+/-0.037 χ^2/NDF: 1805078.6/15

Left Out: 123.676+/-0.021 χ^2/NDF:819700.3/22

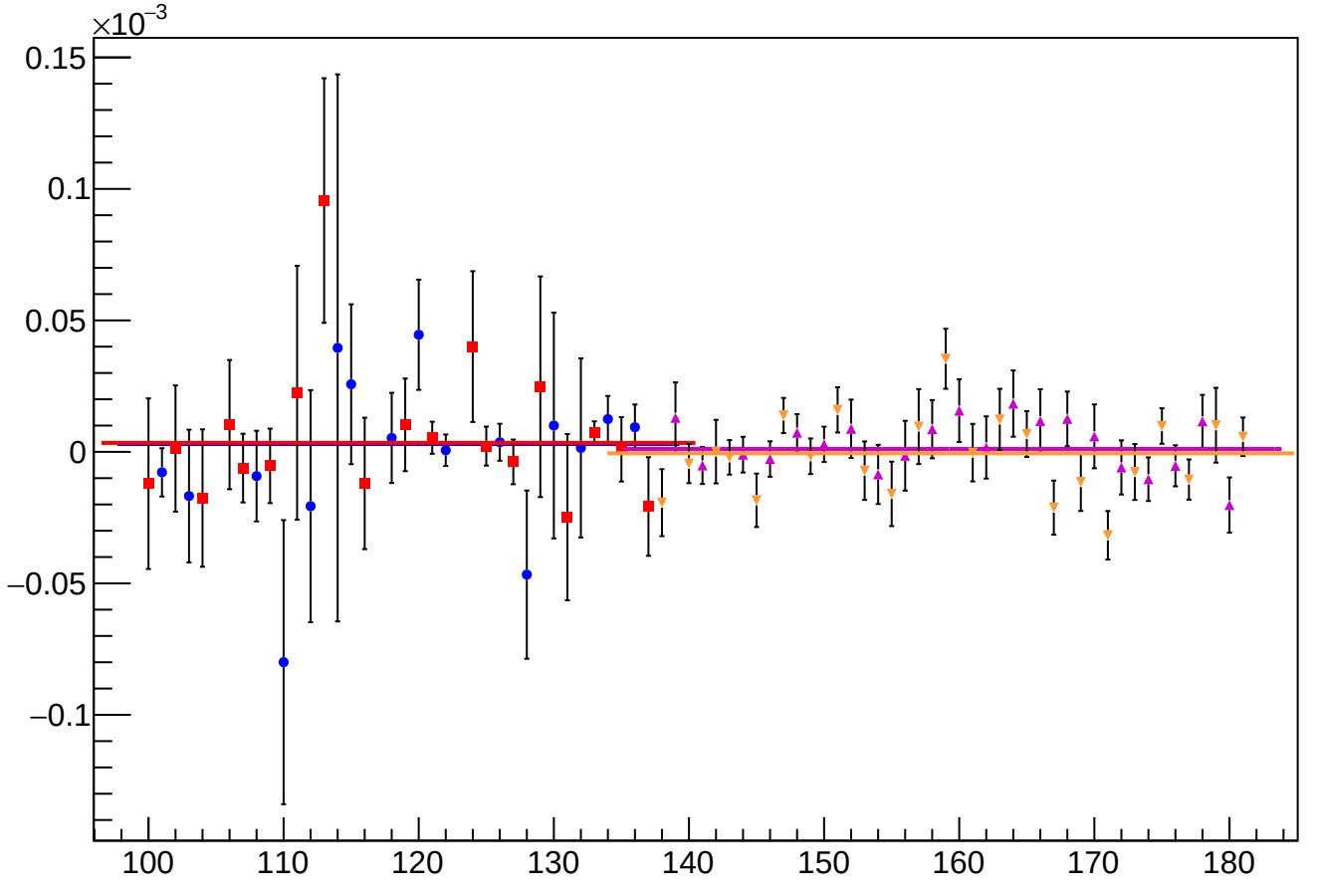
Right Out: 129.399+/-0.037 χ^2/NDF: 1888271.6/18

Left In: 122.423+/-0.021 χ^2/NDF:694722.1/20

+ sign 124.820+/-0.018 χ^2/NDF: 2637273.4/38

All: 124.513+/-0.013 χ^2/NDF: 5248115.6/78

- sign 124.193+/-0.018 χ^2/NDF: 2610250.2/39



Right In: 0.000+/-0.000 χ^2/NDF: 14.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:50.5/22

Right Out: 0.000+/-0.000 χ^2/NDF: 12.6/18

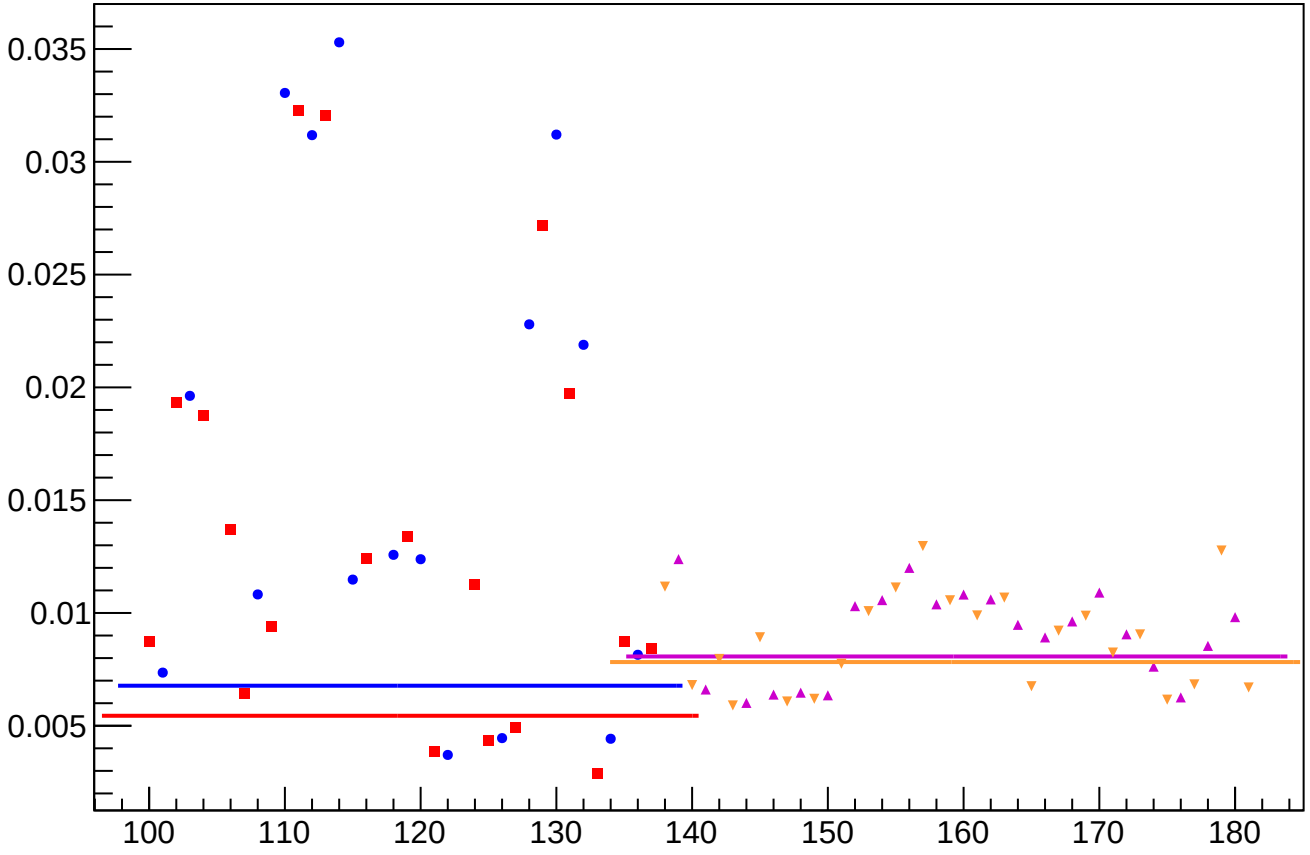
Left In: 0.000+/-0.000 χ^2/NDF:18.3/20

+ sign 0.000+/-0.000 χ^2/NDF: 65.5/38

All: 0.000+/-0.000 χ^2/NDF: 97.4/78

- sign 0.000+/-0.000 χ^2/NDF: 31.4/39

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:2031058.8/22

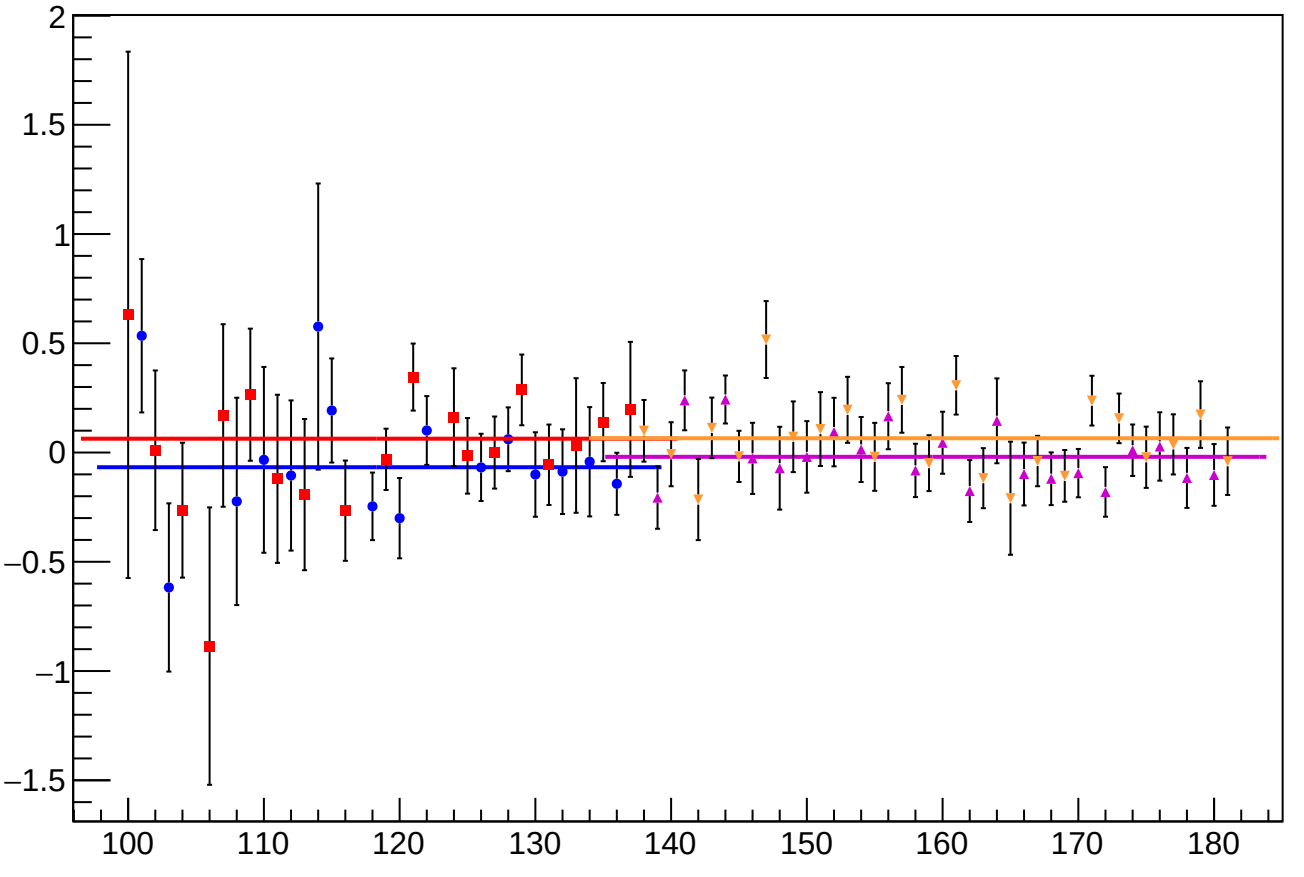
Right Out: 0.005+/-0.000 χ^2/NDF: 5572364.1/18

Left In: 0.008+/-0.000 χ^2/NDF:1855053.8/20

+ sign 0.008+/-0.000 χ^2/NDF: 6966908.4/38

All: 0.007+/-0.000 χ^2/NDF: 15755441.6/78

- sign 0.007+/-0.000 χ^2/NDF: 8704158.2/39



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.065+/-0.029 χ^2/NDF:26.5/22

Right Out: 0.063+/-0.052 χ^2/NDF: 14.0/18

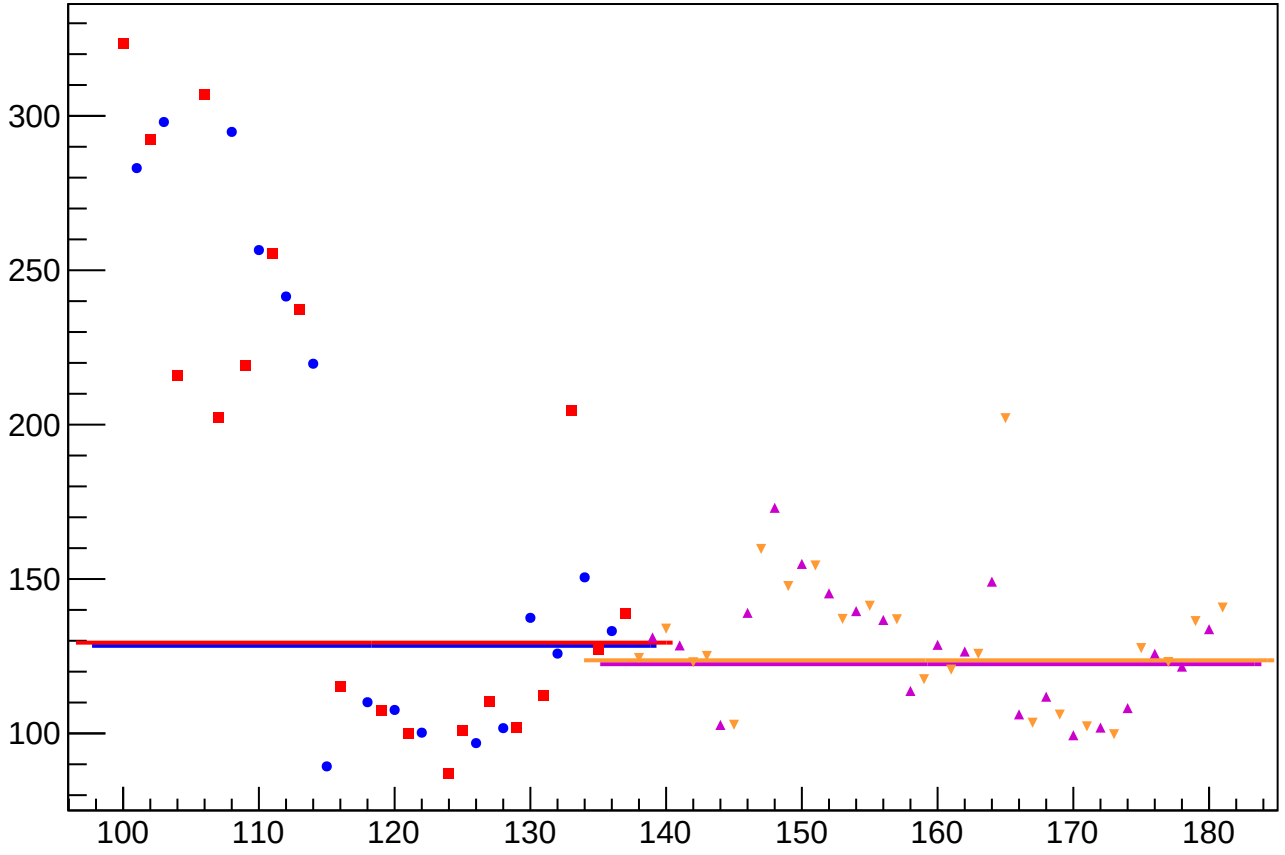
Left In: -0.020+/-0.030 χ^2/NDF:20.0/20

+ sign 0.033+/-0.026 χ^2/NDF: 43.9/38

All: 0.018+/-0.018 χ^2/NDF: 80.6/78

- sign 0.001+/-0.026 χ^2/NDF: 36.0/39

asym_sam2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 128.377+/-0.037 χ^2/NDF: 1805026.7/15

Left Out: 123.676+/-0.021 χ^2/NDF:819751.6/22

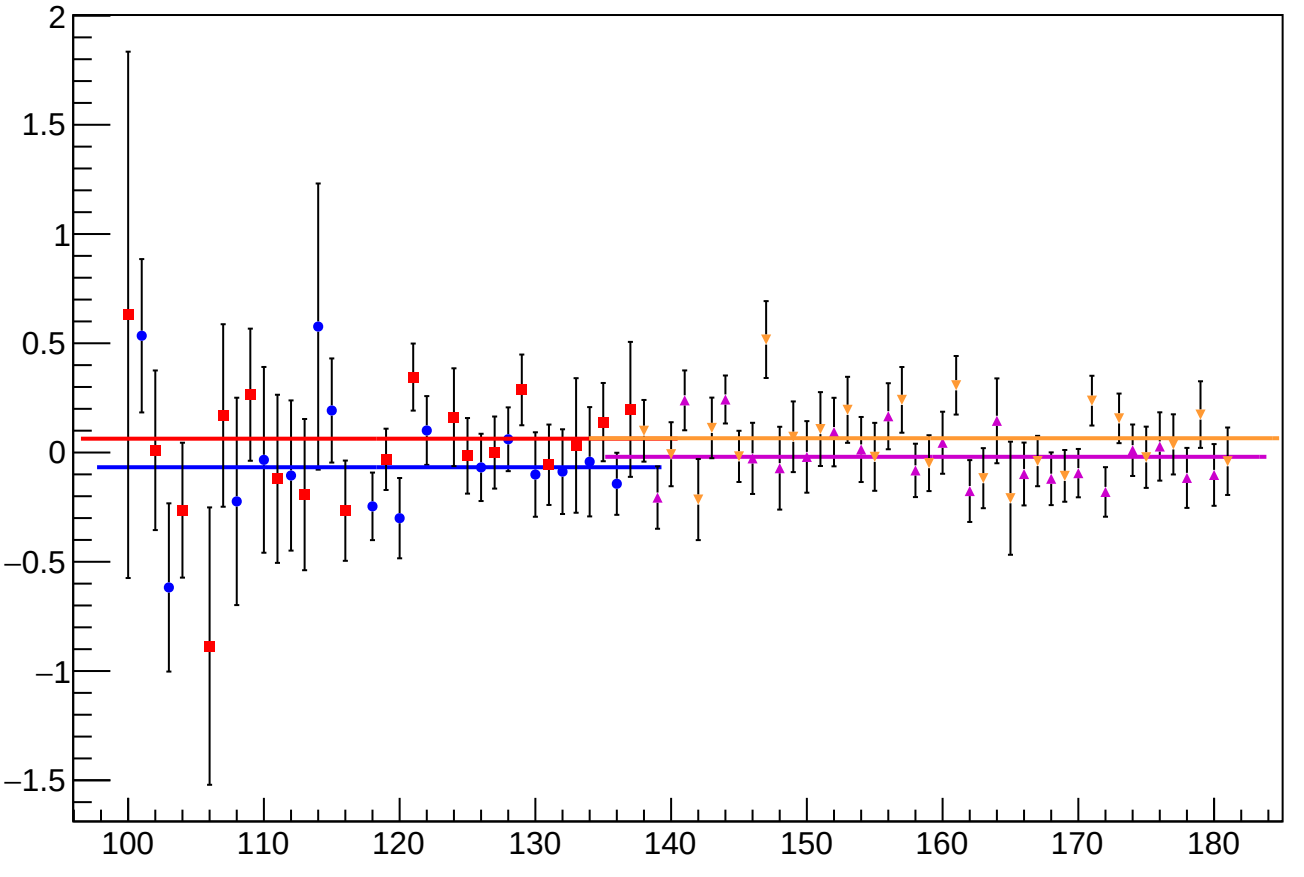
Right Out: 129.396+/-0.036 χ^2/NDF: 1888272.8/18

Left In: 122.423+/-0.021 χ^2/NDF:694750.9/20

+ sign 124.820+/-0.018 χ^2/NDF: 2637258.0/38

All: 124.512+/-0.013 χ^2/NDF: 5248108.1/78

- sign 124.193+/-0.018 χ^2/NDF: 2610258.0/39



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.065+/-0.029 χ^2/NDF:26.5/22

Right Out: 0.063+/-0.052 χ^2/NDF: 14.0/18

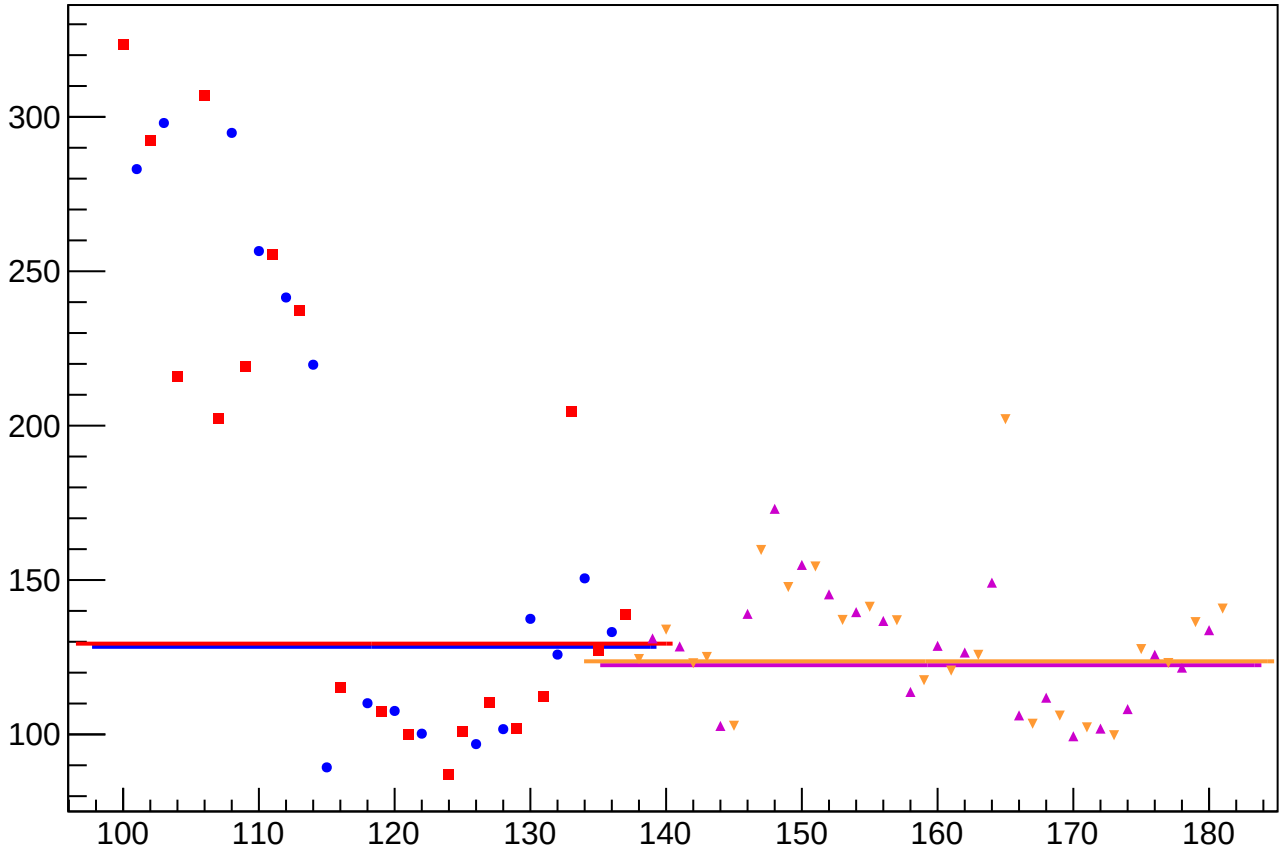
Left In: -0.020+/-0.030 χ^2/NDF:20.0/20

+ sign 0.033+/-0.026 χ^2/NDF: 43.9/38

All: 0.018+/-0.018 χ^2/NDF: 80.6/78

- sign 0.001+/-0.026 χ^2/NDF: 36.0/39

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: 123.676+/-0.021 χ^2/NDF:819751.6/22

Right Out: 129.396+/-0.036 χ^2/NDF: 1888272.8/18

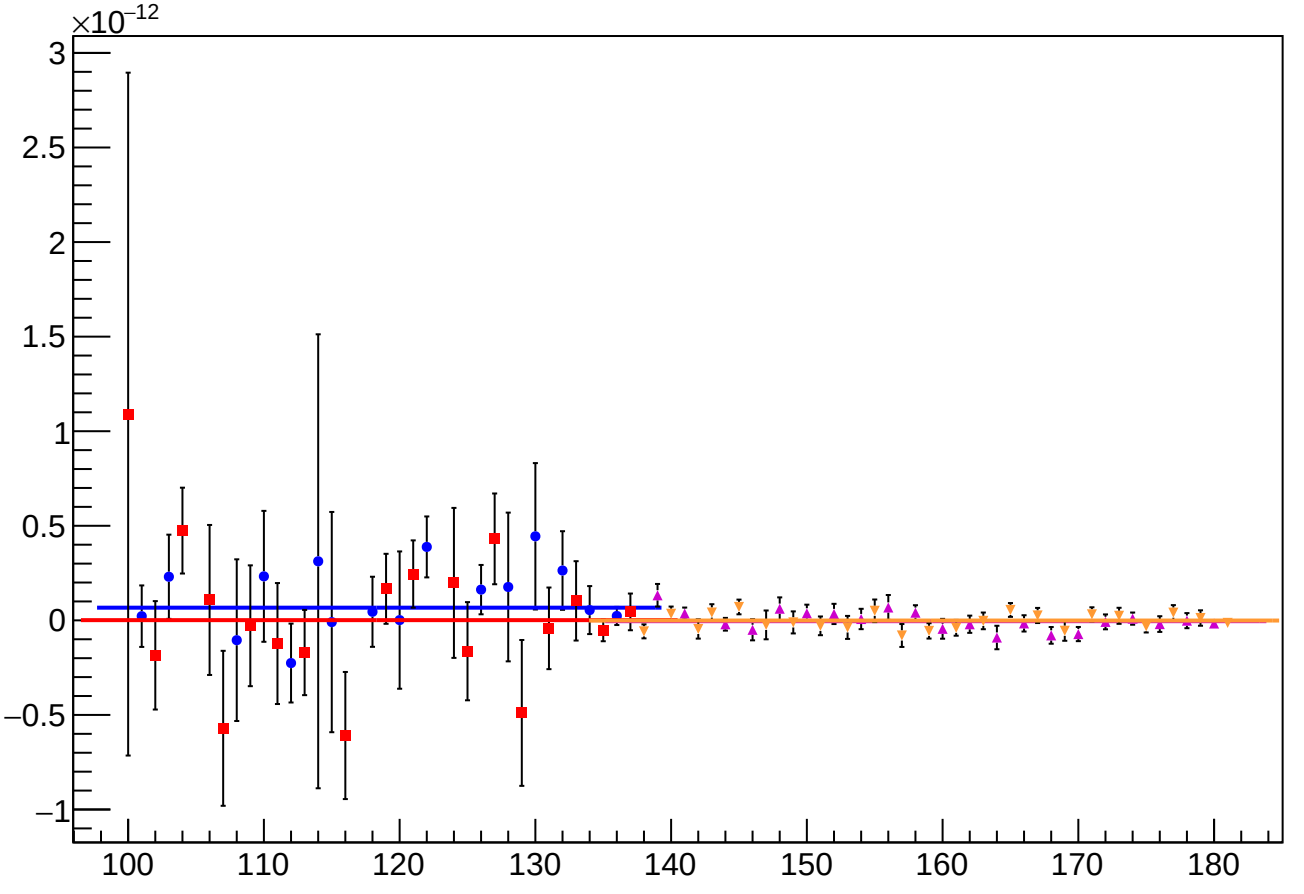
Left In: 122.423+/-0.021 χ^2/NDF:694750.9/20

+ sign 124.820+/-0.018 χ^2/NDF: 2637258.0/38

All: 124.512+/-0.013 χ^2/NDF: 5248108.1/78

- sign 124.193+/-0.018 χ^2/NDF: 2610258.0/39

asym_sam2_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 10.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.6/22

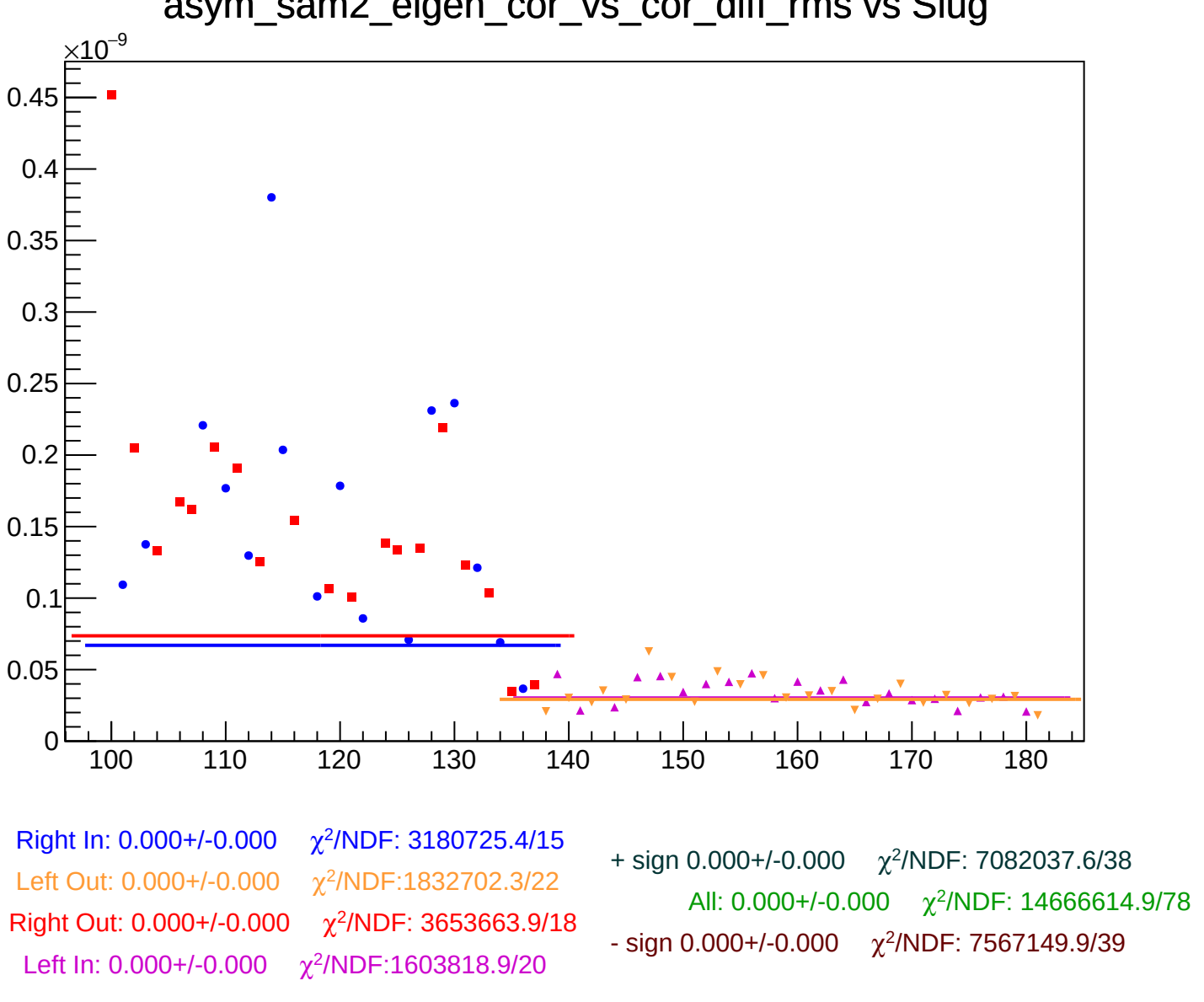
Right Out: 0.000+/-0.000 χ^2/NDF: 20.7/18

Left In: -0.000+/-0.000 χ^2/NDF:22.3/20

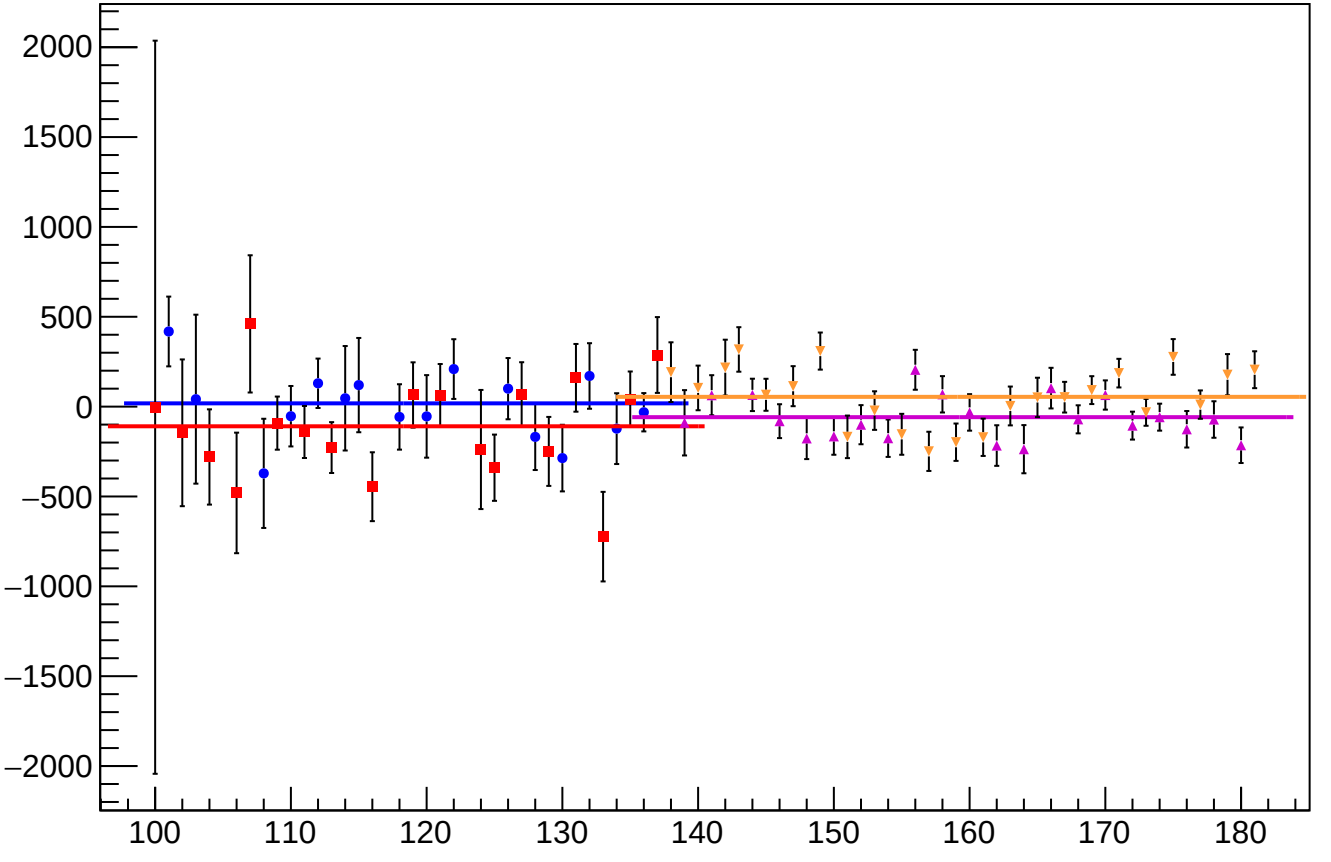
+ sign 0.000+/-0.000 χ^2/NDF: 35.3/38

All: -0.000+/-0.000 χ^2/NDF: 78.6/78

- sign -0.000+/-0.000 χ^2/NDF: 43.0/39


asym_sam2_eigen_cor_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: 3180725.4/15
Left Out: 0.000+/-0.000 χ²/NDF:1832702.3/22
Right Out: 0.000+/-0.000 χ²/NDF: 3653663.9/18
Left In: 0.000+/-0.000 χ²/NDF:1603818.9/20
+ sign 0.000+/-0.000 χ²/NDF: 7082037.6/38
All: 0.000+/-0.000 χ²/NDF: 14666614.9/78
- sign 0.000+/-0.000 χ²/NDF: 7567149.9/39

reg_asym_sam3_mean vs Slug



Right In: 18.204+/-45.704 χ^2/NDF: 13.9/15

Left Out: 54.395+/-21.060 χ^2/NDF:51.7/22

Right Out: -109.432+/-45.825 χ^2/NDF: 25.5/18

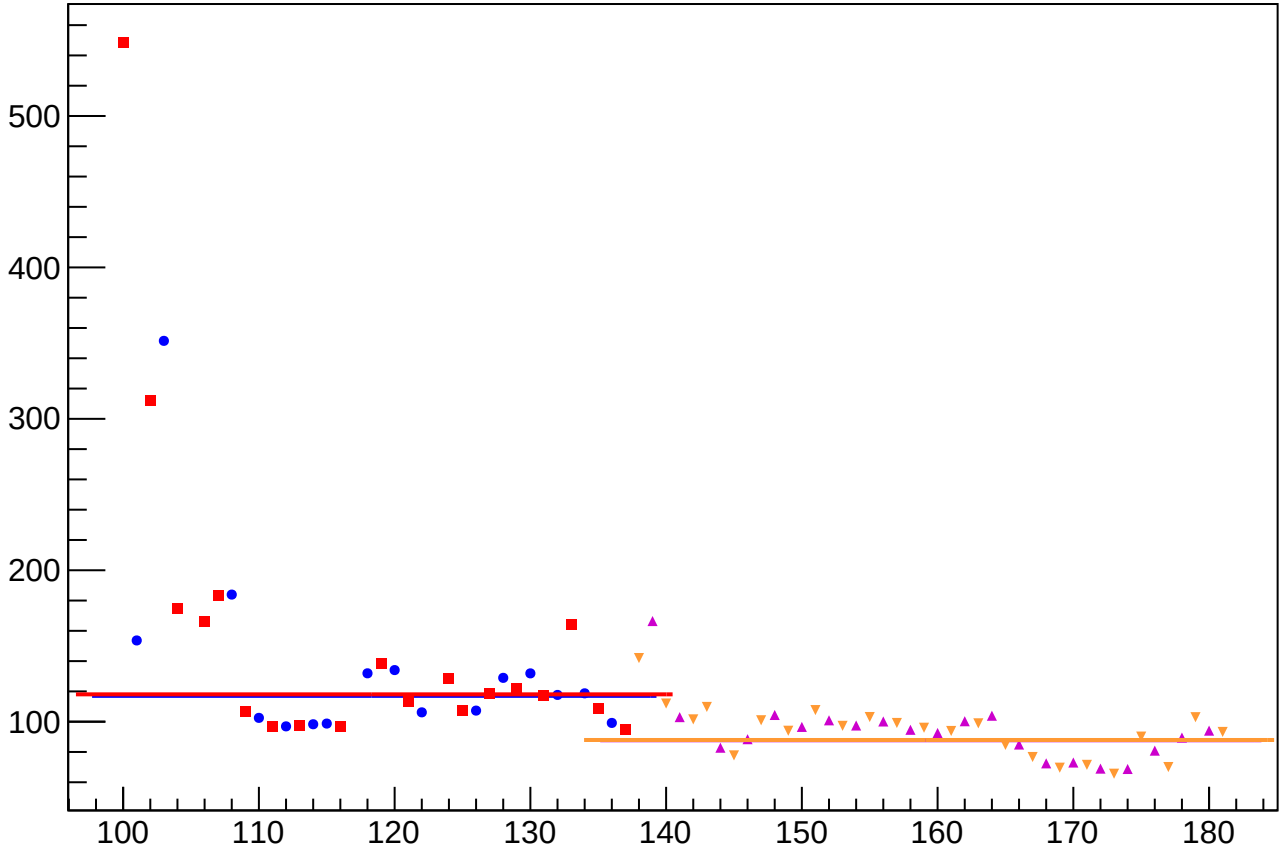
Left In: -58.631+/-21.638 χ^2/NDF:25.4/20

+ sign 48.056+/-19.127 χ^2/NDF: 66.1/38

All: -8.603+/-13.678 χ^2/NDF: 136.0/78

- sign -67.892+/-19.566 χ^2/NDF: 51.9/39

reg_asym_sam3_rms vs Slug



Right In: 117.063+/-0.032 χ^2/NDF: 858400.8/15

Left Out: 87.915+/-0.015 χ^2/NDF:1145628.2/22

Right Out: 118.057+/-0.032 χ^2/NDF: 990748.0/18

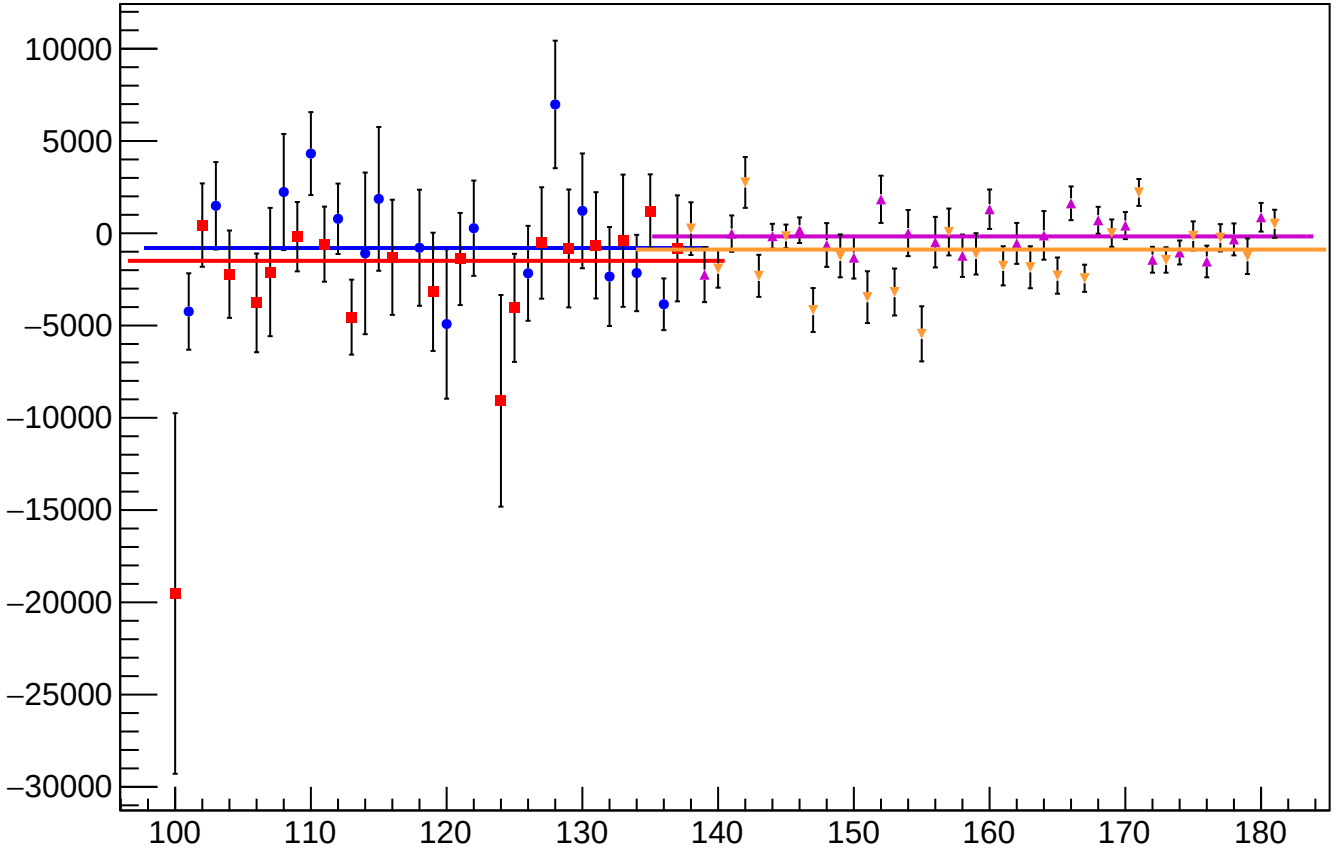
Left In: 87.728+/-0.015 χ^2/NDF:1019973.2/20

+ sign 93.020+/-0.014 χ^2/NDF: 2674996.8/38

All: 93.136+/-0.010 χ^2/NDF: 5402246.1/78

- sign 93.258+/-0.014 χ^2/NDF: 2727098.5/39

asym_sam3_reg_correction_mean vs Slug



Right In: -799.133+/-616.009 χ^2/NDF: 23.4/15

Left Out: -882.117+/-195.251 χ^2/NDF:68.9/22

Right Out: -1493.897+/-613.097 χ^2/NDF: 12.9/18

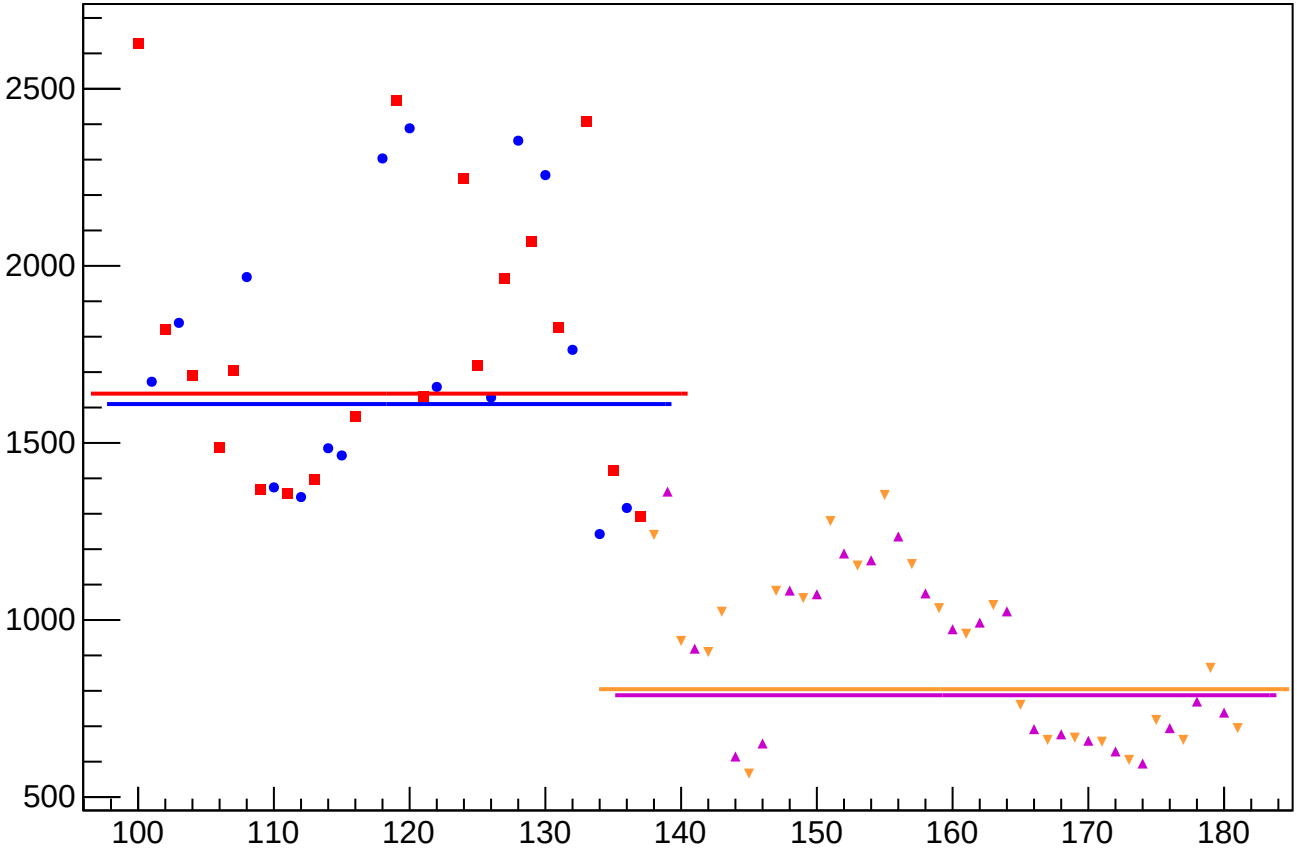
Left In: -170.441+/-196.898 χ^2/NDF:24.1/20

\+ sign -874.541+/-186.125 χ^2/NDF: 92.4/38

All: -586.445+/-132.082 χ^2/NDF: 138.4/78

\- sign -294.179+/-187.468 χ^2/NDF: 41.3/39

asym_sam3_reg_correction_rms vs Slug



Right In: 1609.782+/-0.436 χ^2/NDF: 619129.2/15

Left Out: 804.714+/-0.138 χ^2/NDF:2359833.5/22

Right Out: 1639.241+/-0.434 χ^2/NDF: 520182.2/18

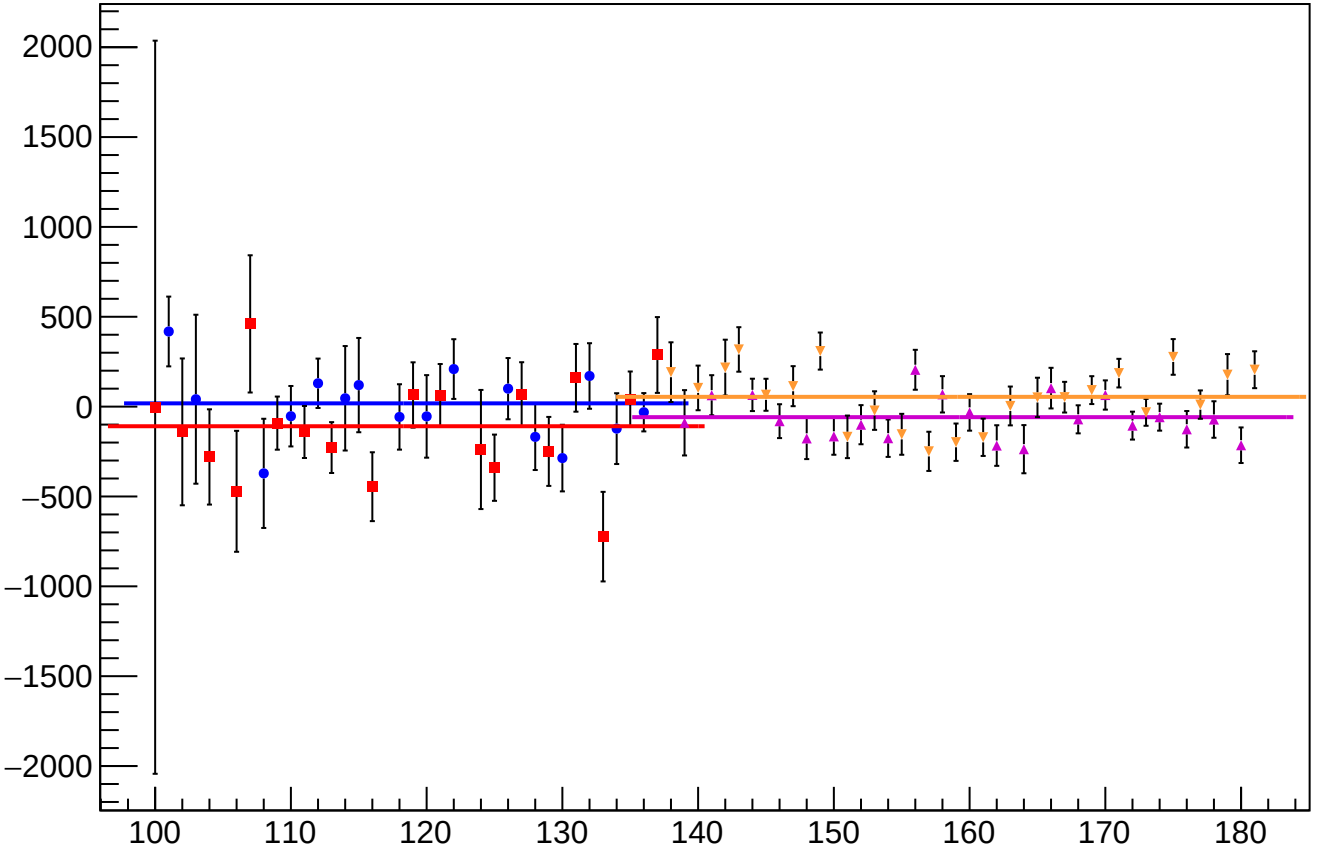
Left In: 787.575+/-0.139 χ^2/NDF:2152664.7/20

+ sign 878.211+/-0.132 χ^2/NDF: 6083121.1/38

All: 872.747+/-0.093 χ^2/NDF: 12257924.4/78

- sign 867.203+/-0.133 χ^2/NDF: 6171330.2/39

cor_asym_sam3_mean vs Slug



Right In: 18.191+/-45.704 χ^2/NDF: 13.9/15

Left Out: 54.399+/-21.060 χ^2/NDF:51.7/22

Right Out: -109.151+/-45.828 χ^2/NDF: 25.4/18

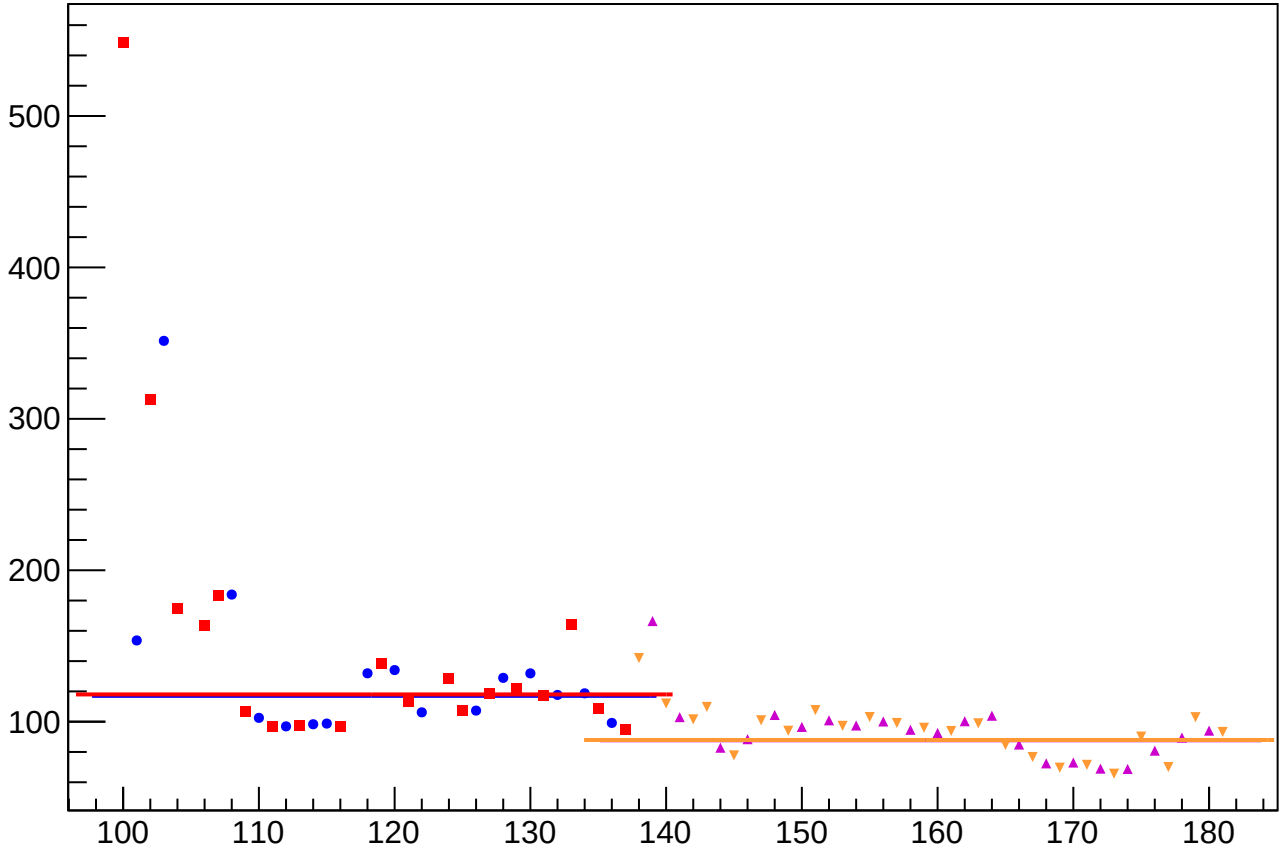
Left In: -58.633+/-21.638 χ^2/NDF:25.4/20

+ sign 48.057+/-19.127 χ^2/NDF: 66.1/38

All: -8.577+/-13.678 χ^2/NDF: 135.9/78

- sign -67.842+/-19.566 χ^2/NDF: 51.8/39

cor_asym_sam3_rms vs Slug



Right In: 117.063+/-0.032 χ^2/NDF: 858402.8/15

Left Out: 87.915+/-0.015 χ^2/NDF:1145628.1/22

Right Out: 118.006+/-0.032 χ^2/NDF: 986553.8/18

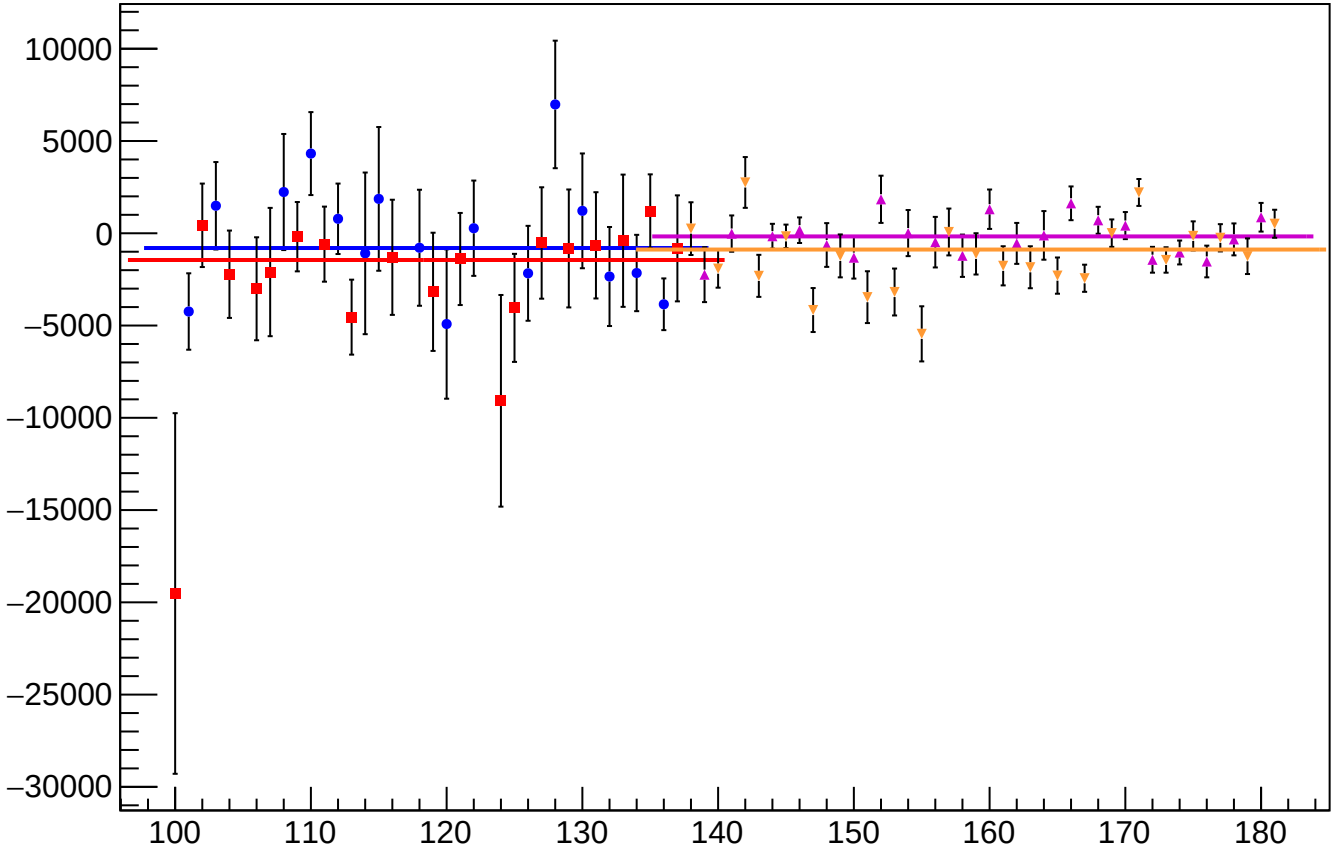
Left In: 87.728+/-0.015 χ^2/NDF:1019973.2/20

+ sign 93.020+/-0.014 χ^2/NDF: 2674998.3/38

All: 93.131+/-0.010 χ^2/NDF: 5395520.0/78

- sign 93.248+/-0.014 χ^2/NDF: 2720383.4/39

asym_sam3_cor_correction_mean vs Slug



Right In: -799.116+/-616.014 χ^2/NDF: 23.4/15

Left Out: -882.112+/-195.251 χ^2/NDF:68.9/22

Right Out: -1448.433+/-614.443 χ^2/NDF: 12.5/18

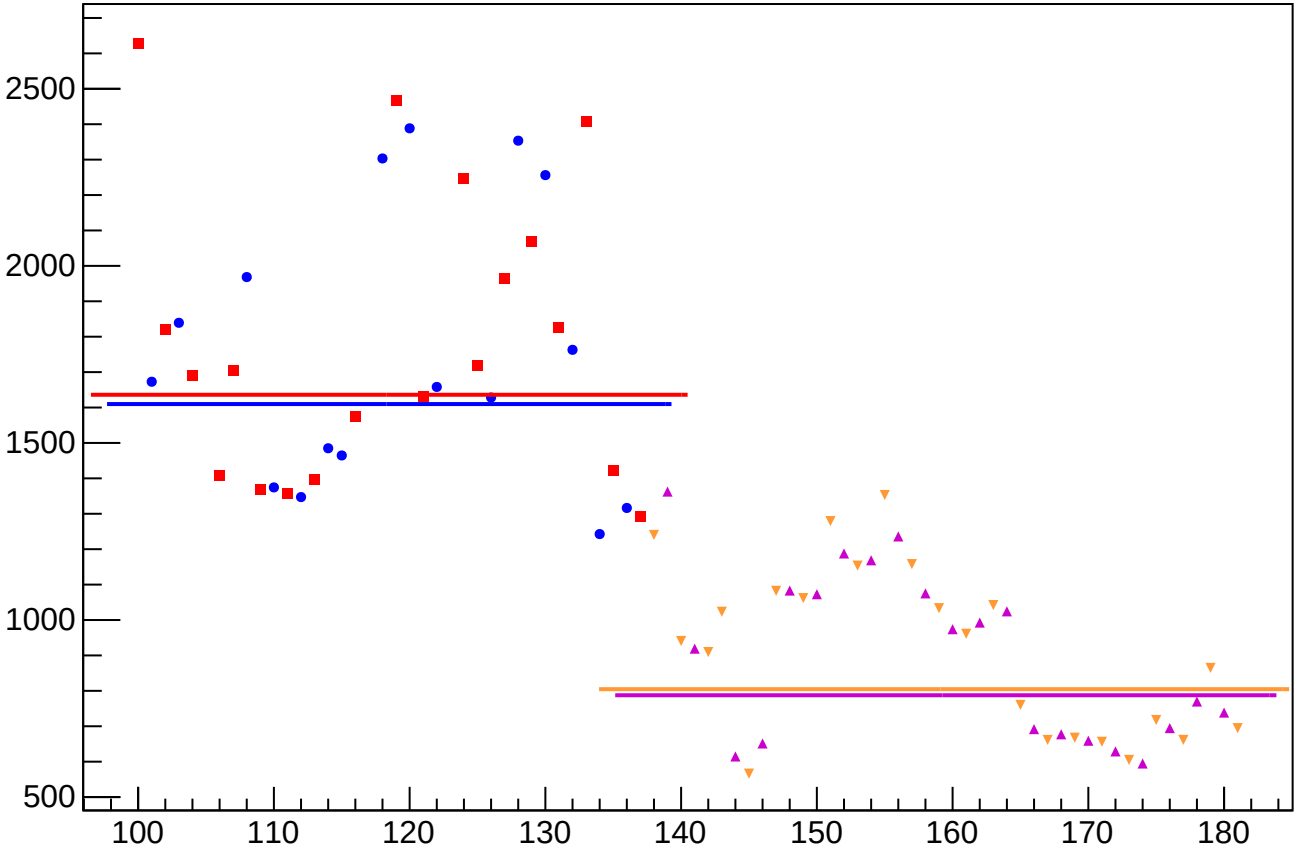
Left In: -170.442+/-196.898 χ^2/NDF:24.1/20

+ sign -874.535+/-186.125 χ^2/NDF: 92.4/38

All: -584.157+/-132.096 χ^2/NDF: 137.8/78

- sign -289.455+/-187.506 χ^2/NDF: 40.5/39

asym_sam3_cor_correction_rms vs Slug



Right In: 1609.791+/-0.436 χ^2/NDF: 619158.3/15

Left Out: 804.714+/-0.138 χ^2/NDF:2359834.8/22

Right Out: 1636.046+/-0.434 χ^2/NDF: 527809.9/18

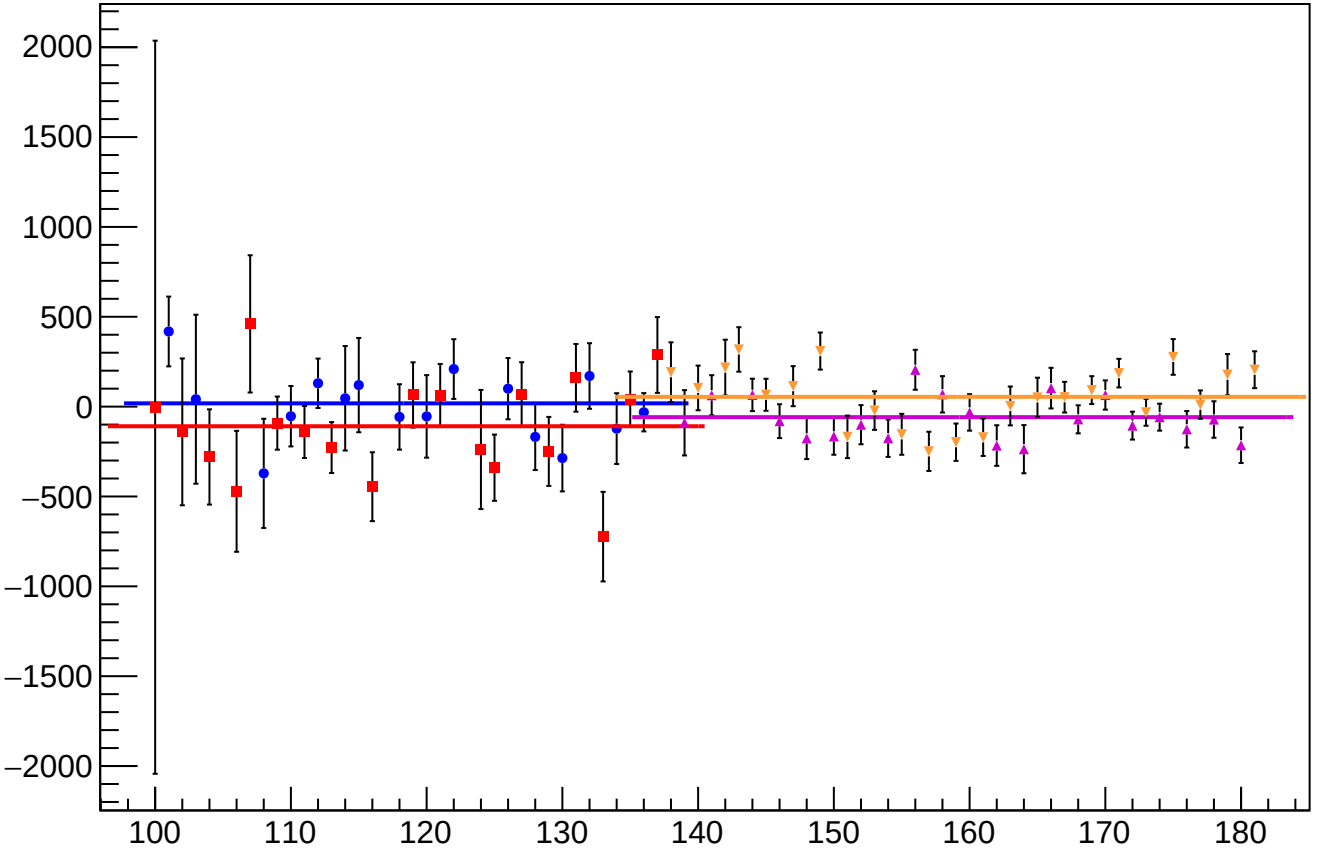
Left In: 787.575+/-0.139 χ^2/NDF:2152663.2/20

+ sign 878.211+/-0.132 χ^2/NDF: 6083185.3/38

All: 872.443+/-0.093 χ^2/NDF: 12226028.5/78

- sign 866.589+/-0.133 χ^2/NDF: 6138973.4/39

eigen_cor_asym_sam3_mean vs Slug



Right In: 18.191+/-45.704 χ^2/NDF: 13.9/15

Left Out: 54.399+/-21.060 χ^2/NDF:51.7/22

Right Out: -109.151+/-45.828 χ^2/NDF: 25.4/18

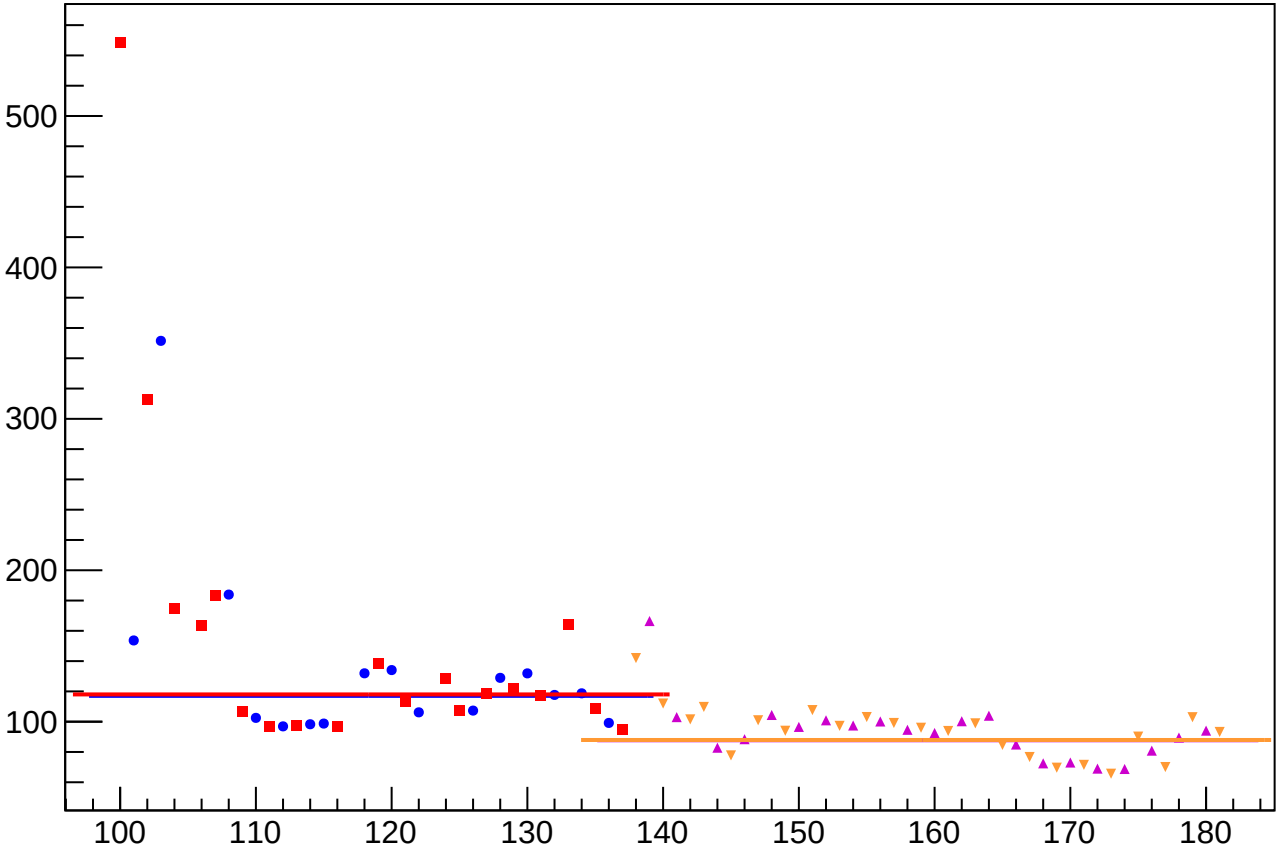
Left In: -58.633+/-21.638 χ^2/NDF:25.4/20

+ sign 48.057+/-19.127 χ^2/NDF: 66.1/38

All: -8.577+/-13.678 χ^2/NDF: 135.9/78

- sign -67.842+/-19.566 χ^2/NDF: 51.8/39

eigen_cor_asym_sam3_rms vs Slug



Right In: 117.063+/-0.032 χ^2/NDF: 858402.8/15

Left Out: 87.915+/-0.015 χ^2/NDF:1145628.1/22

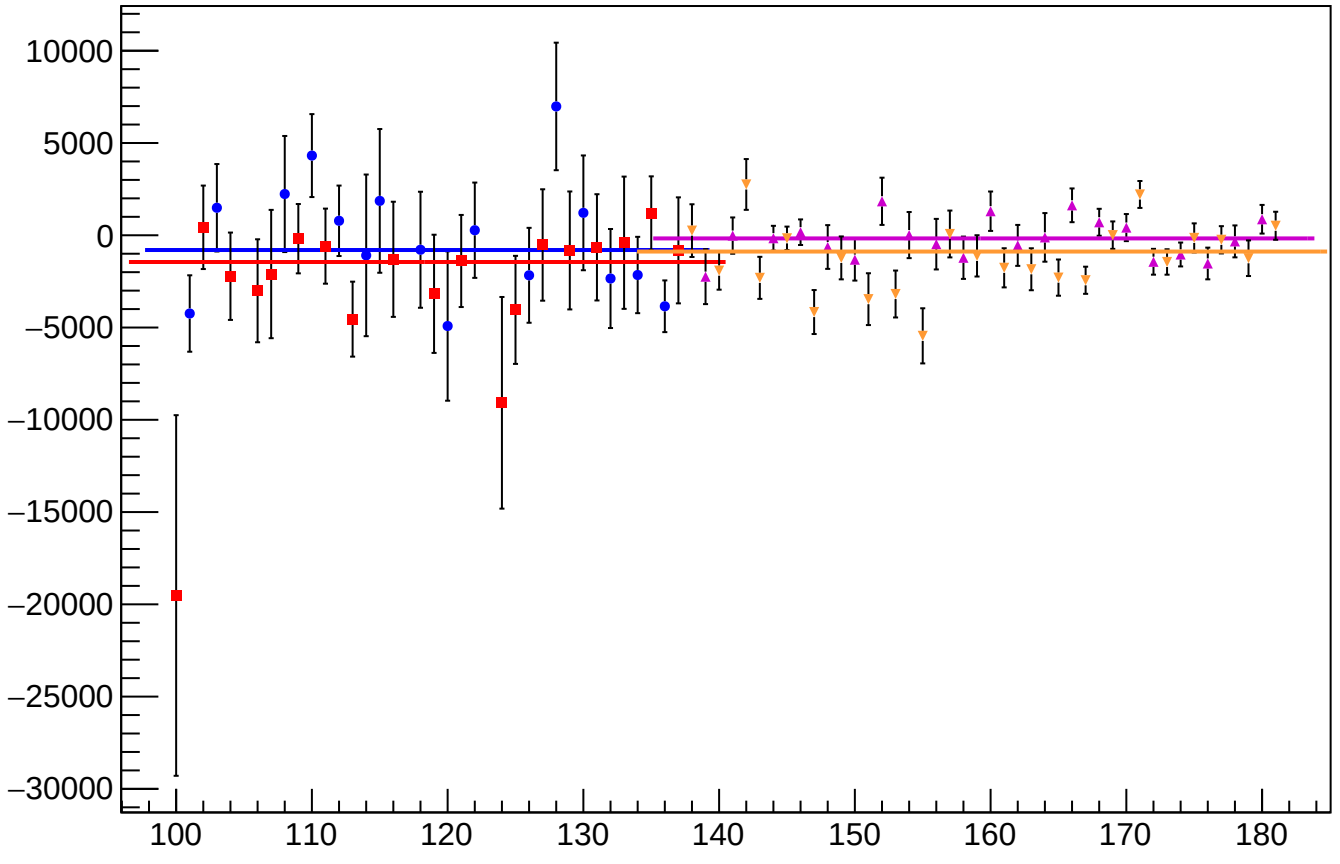
Right Out: 118.006+/-0.032 χ^2/NDF: 986553.8/18

Left In: 87.728+/-0.015 χ^2/NDF:1019973.2/20

+ sign 93.020+/-0.014 χ^2/NDF: 2674998.3/38

All: 93.131+/-0.010 χ^2/NDF: 5395520.0/78

- sign 93.248+/-0.014 χ^2/NDF: 2720383.4/39



Right In: -799.116+/-616.014 χ^2/NDF: 23.4/15

Left Out: -882.112+/-195.251 χ^2/NDF:68.9/22

Right Out: -1448.433+/-614.443 χ^2/NDF: 12.5/18

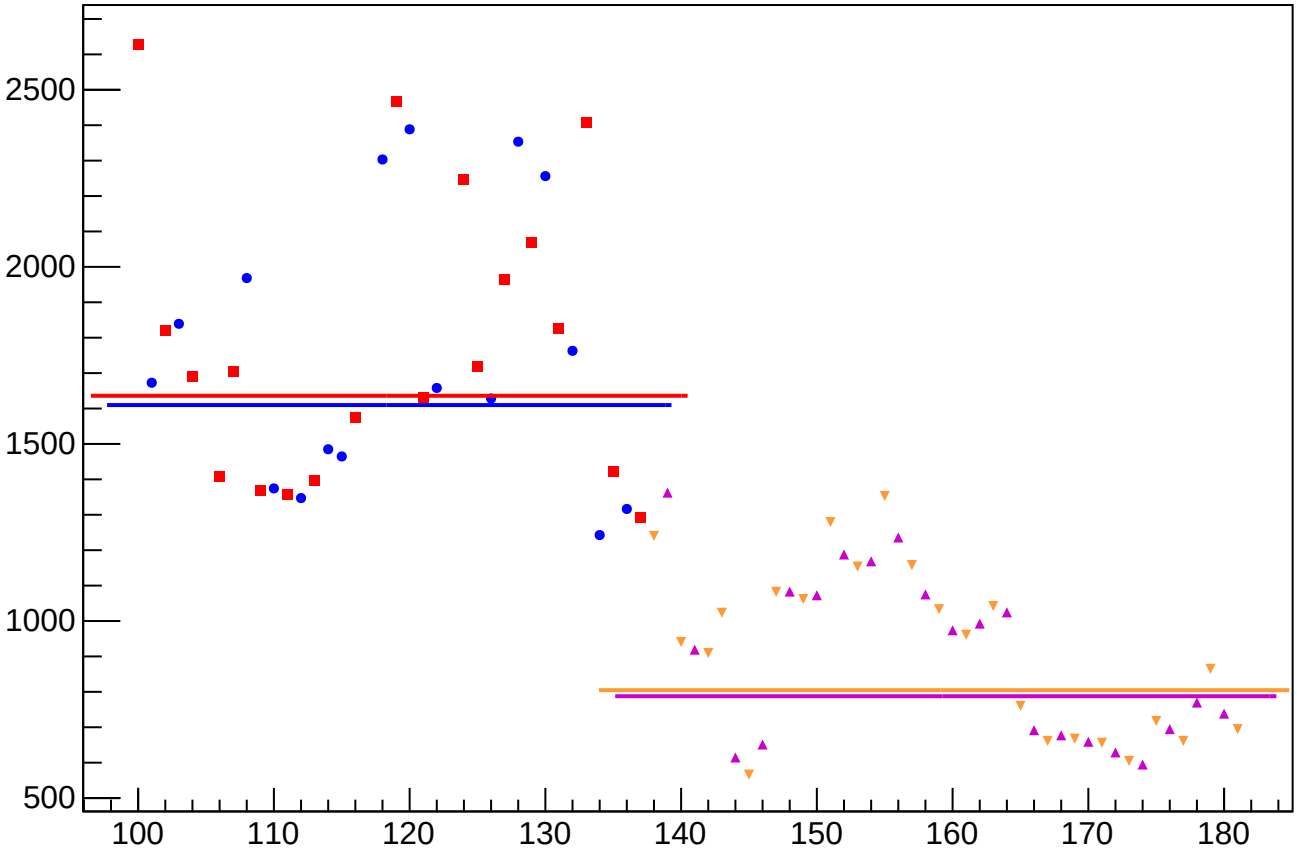
Left In: -170.442+/-196.898 χ^2/NDF:24.1/20

+ sign -874.535+/-186.125 χ^2/NDF: 92.4/38

All: -584.157+/-132.096 χ^2/NDF: 137.8/78

- sign -289.455+/-187.506 χ^2/NDF: 40.5/39

asym_sam3_eigen_cor_correction_rms vs Slug



Right In: 1609.791+/-0.436 χ^2/NDF: 619158.3/15

Left Out: 804.714+/-0.138 χ^2/NDF:2359834.8/22

Right Out: 1636.046+/-0.434 χ^2/NDF: 527809.9/18

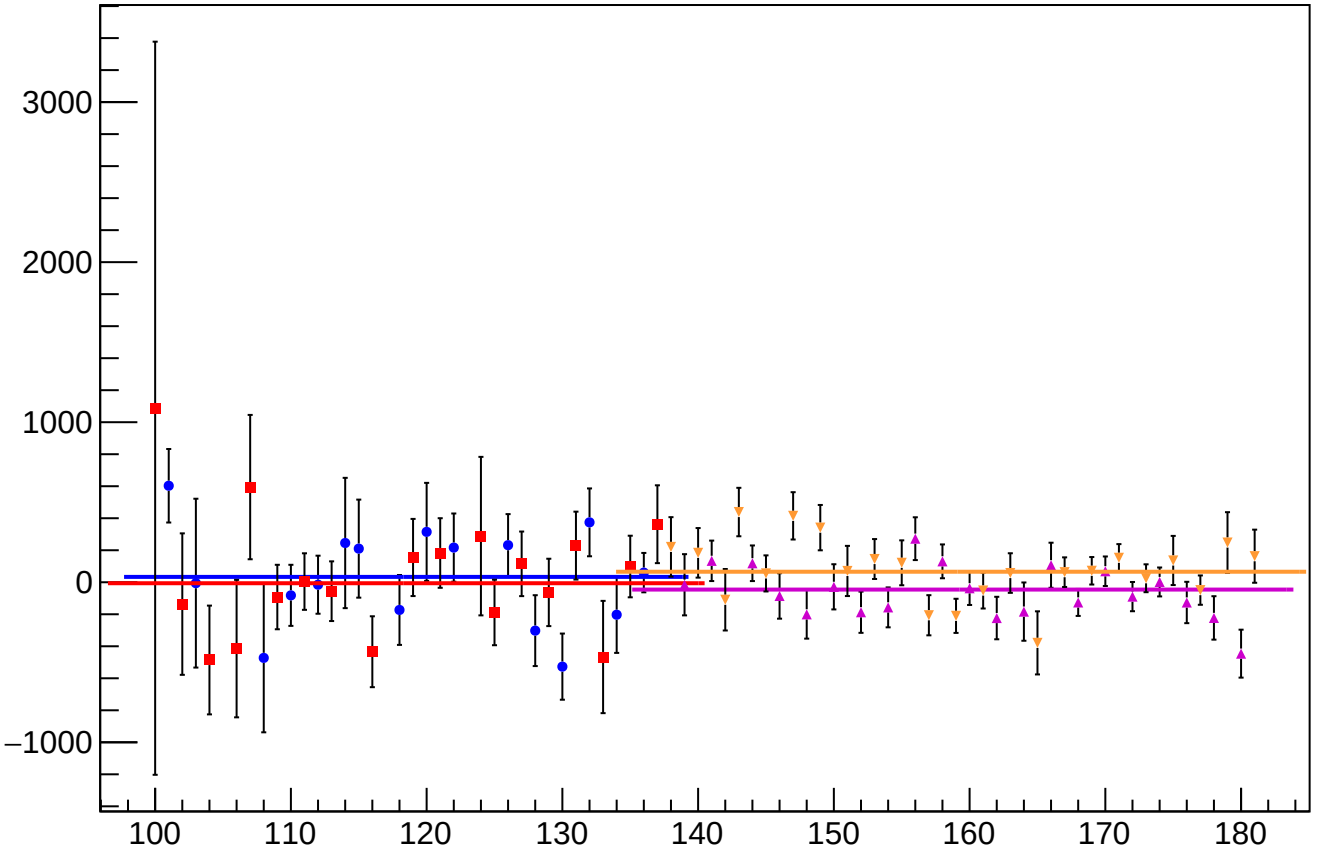
Left In: 787.575+/-0.139 χ^2/NDF:2152663.2/20

+ sign 878.211+/-0.132 χ^2/NDF: 6083185.3/38

All: 872.443+/-0.093 χ^2/NDF: 12226028.5/78

- sign 866.589+/-0.133 χ^2/NDF: 6138973.4/39

dit_asym_sam3_mean vs Slug



Right In: 33.471+/-54.908 χ^2/NDF: 25.2/15

Left Out: 65.741+/-25.487 χ^2/NDF:40.0/22

Right Out: -6.107+/-56.090 χ^2/NDF: 17.3/18

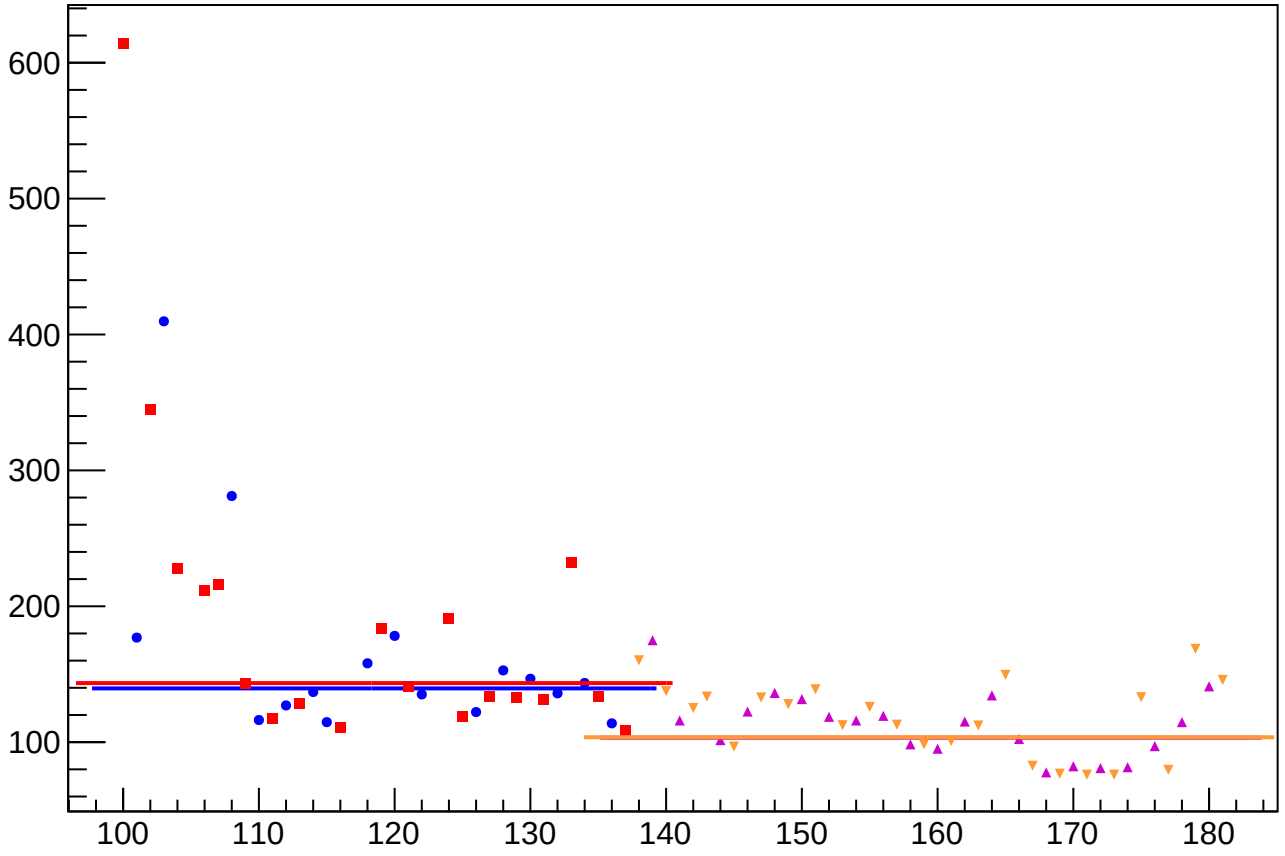
Left In: -45.759+/-26.059 χ^2/NDF:31.5/20

\+ sign 60.021+/-23.118 χ^2/NDF: 65.4/38

All: 11.738+/-16.526 χ^2/NDF: 123.6/78

\- sign -38.720+/-23.633 χ^2/NDF: 49.3/39

dit_asym_sam3_rms vs Slug



Right In: 139.566+/-0.039 χ^2/NDF: 976734.6/15

Left Out: 103.607+/-0.018 χ^2/NDF:2106497.7/22

Right Out: 143.479+/-0.040 χ^2/NDF: 1116671.9/18

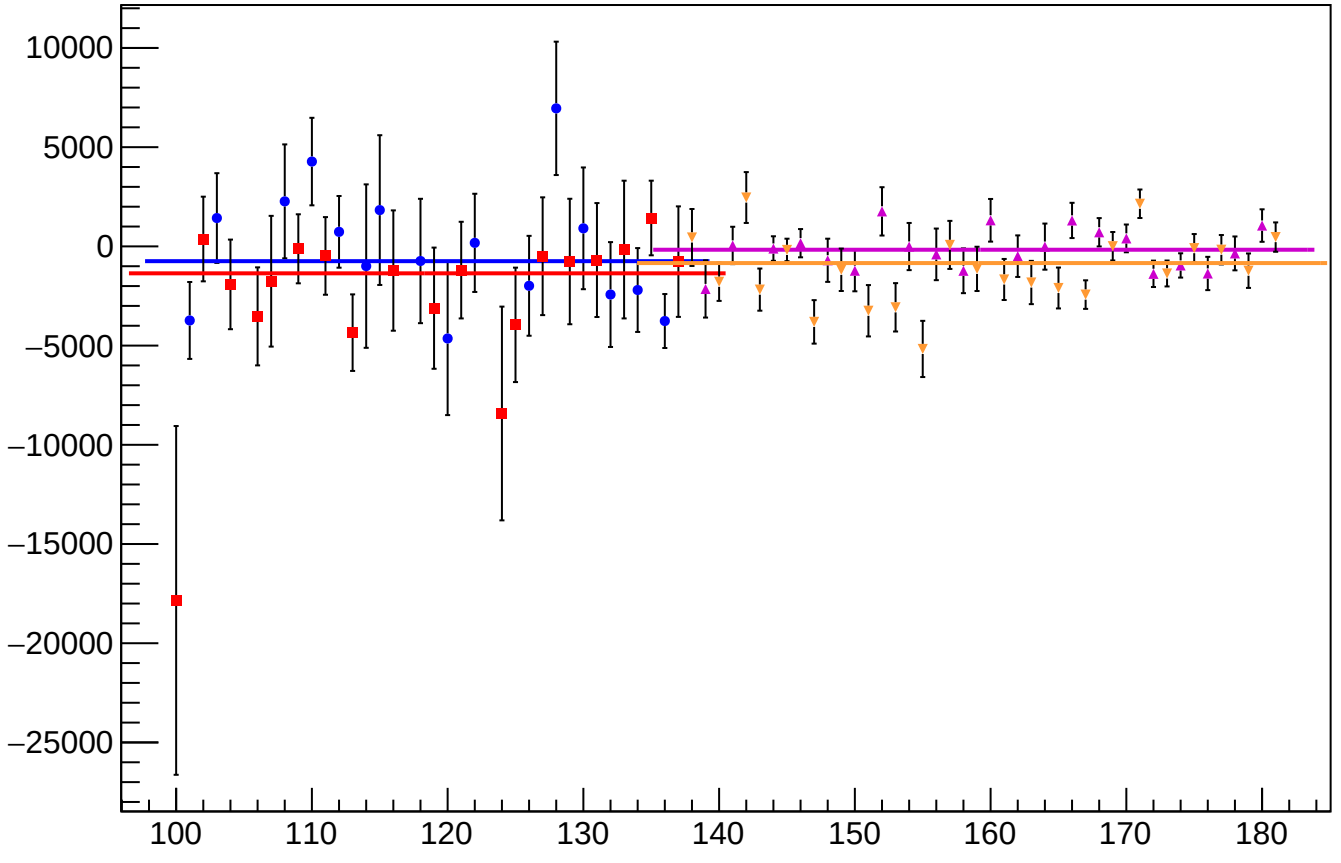
Left In: 103.273+/-0.018 χ^2/NDF:1351731.9/20

+ sign 109.981+/-0.016 χ^2/NDF: 3788975.4/38

All: 110.191+/-0.012 χ^2/NDF: 7102917.0/78

- sign 110.411+/-0.017 χ^2/NDF: 3313604.3/39

asym_sam3_dit_correction_mean vs Slug



Right In: -744.681+/-595.810 χ^2/NDF: 23.5/15

Left Out: -840.515+/-185.787 χ^2/NDF:68.0/22

Right Out: -1357.874+/-585.808 χ^2/NDF: 13.5/18

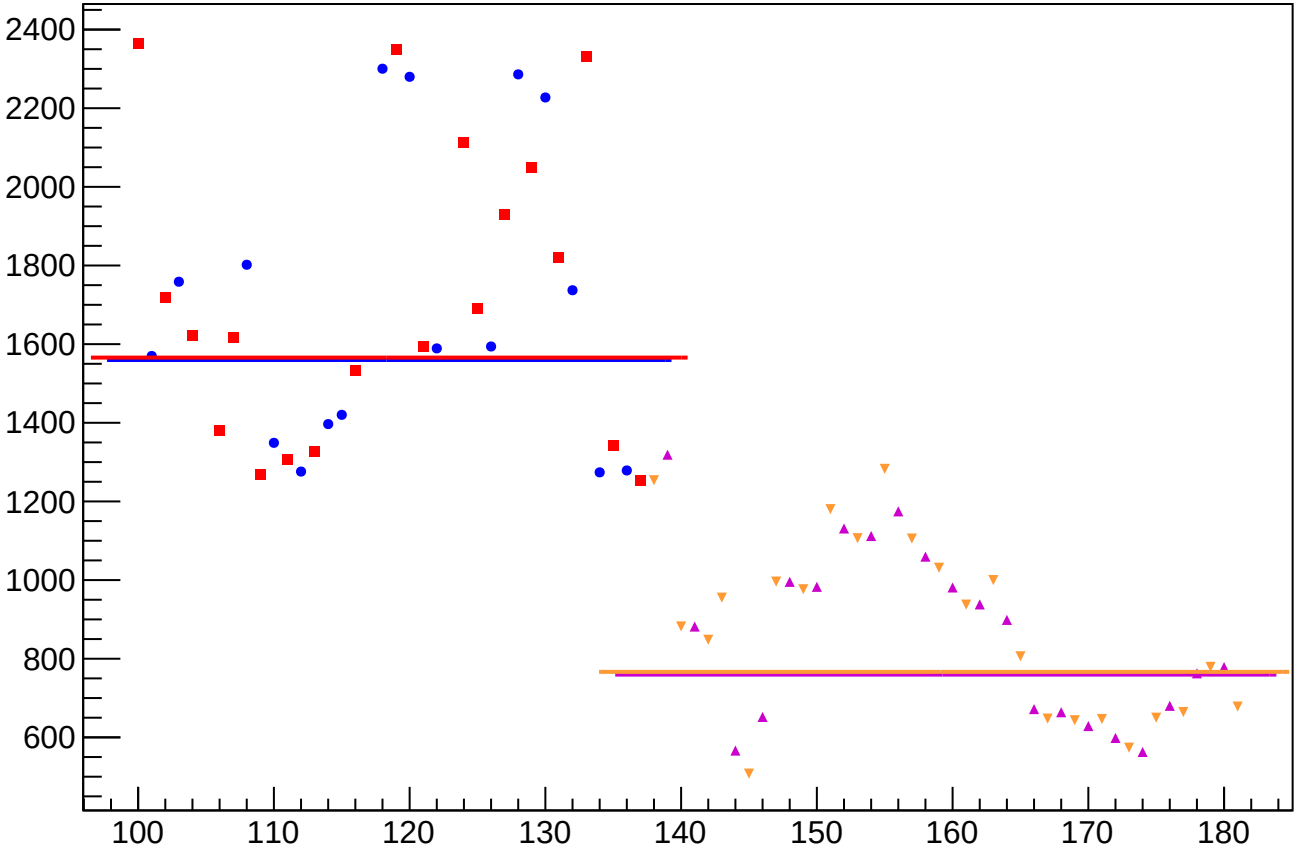
Left In: -169.074+/-189.900 χ^2/NDF:23.1/20

+ sign -832.022+/-177.364 χ^2/NDF: 91.5/38

All: -562.110+/-126.559 χ^2/NDF: 136.6/78

- sign -282.119+/-180.645 χ^2/NDF: 40.4/39

asym_sam3_dit_correction_rms vs Slug



Right In: 1559.735+/-0.421 χ^2/NDF: 604209.5/15

Left Out: 766.604+/-0.131 χ^2/NDF:2422306.0/22

Right Out: 1565.808+/-0.414 χ^2/NDF: 563847.8/18

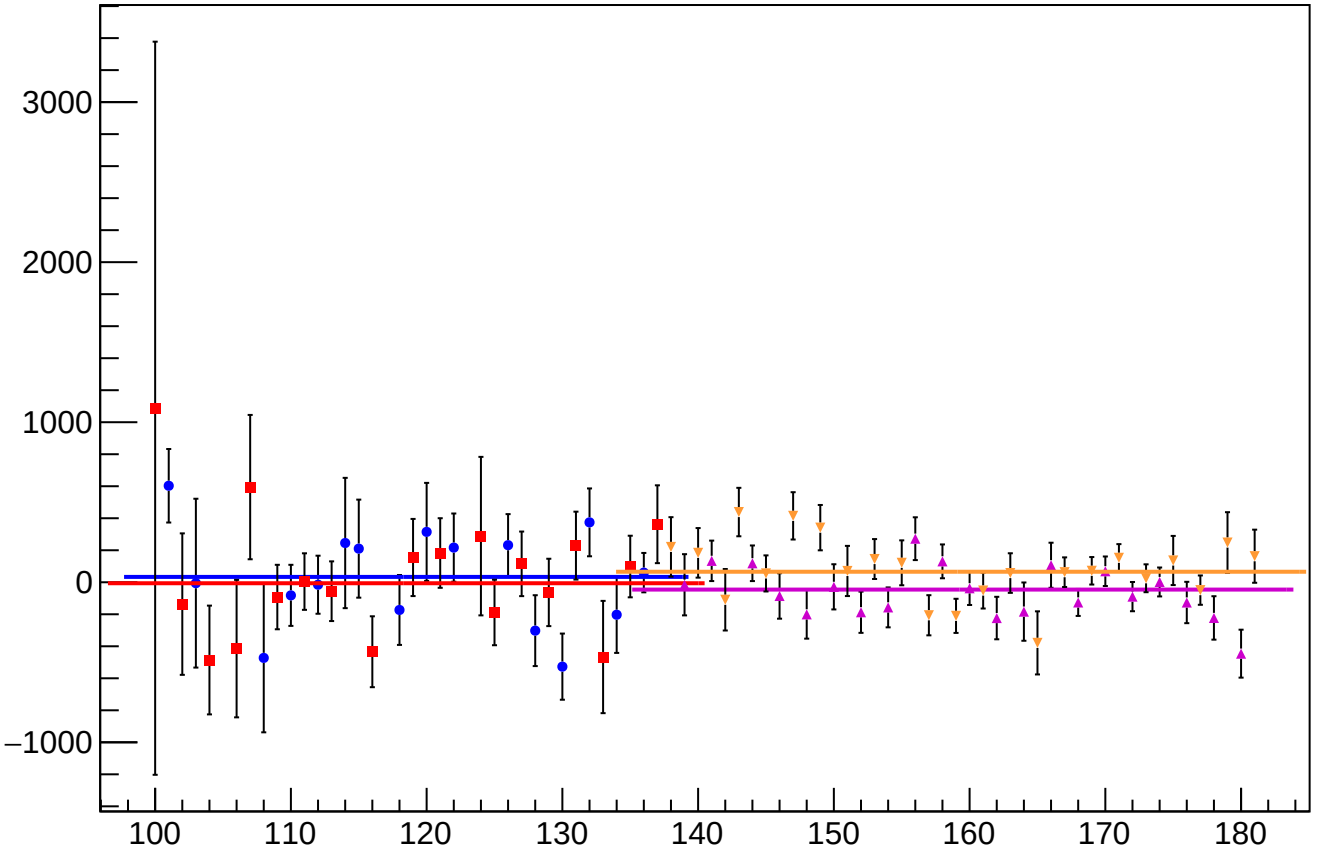
Left In: 759.599+/-0.134 χ^2/NDF:2109477.5/20

+ sign 836.889+/-0.125 χ^2/NDF: 6256537.8/38

All: 836.581+/-0.089 χ^2/NDF: 12357707.9/78

- sign 836.262+/-0.128 χ^2/NDF: 6101157.8/39

eigen_dit_asym_sam3_mean vs Slug



Right In: 33.469+/-54.908 χ^2/NDF: 25.2/15

Left Out: 65.742+/-25.487 χ^2/NDF:40.0/22

Right Out: -6.103+/-56.090 χ^2/NDF: 17.3/18

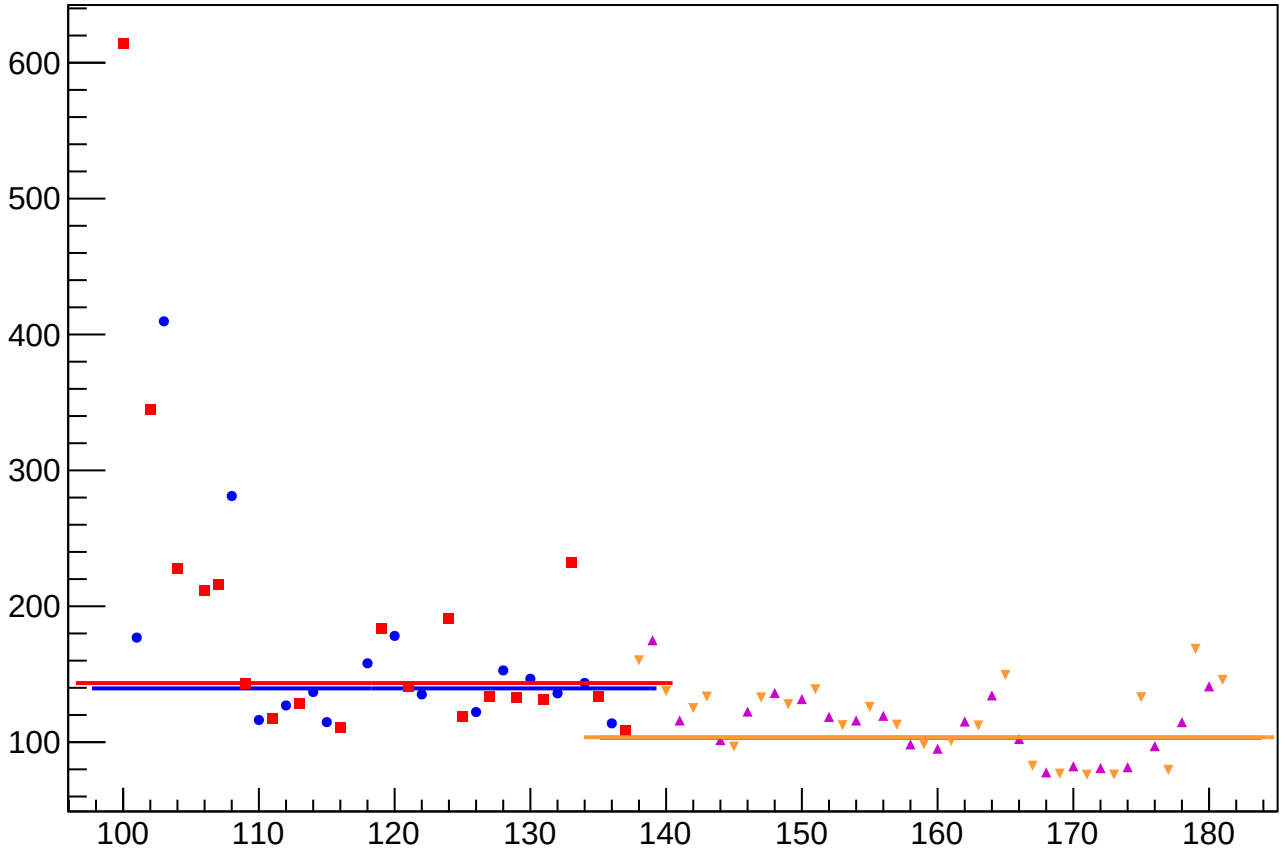
Left In: -45.758+/-26.059 χ^2/NDF:31.5/20

+ sign 60.021+/-23.118 χ^2/NDF: 65.4/38

All: 11.739+/-16.526 χ^2/NDF: 123.6/78

- sign -38.718+/-23.633 χ^2/NDF: 49.3/39

eigen_dit_asym_sam3_rms vs Slug



Right In: 139.567+/-0.039 χ^2/NDF: 976737.0/15

Left Out: 103.607+/-0.018 χ^2/NDF:2106520.4/22

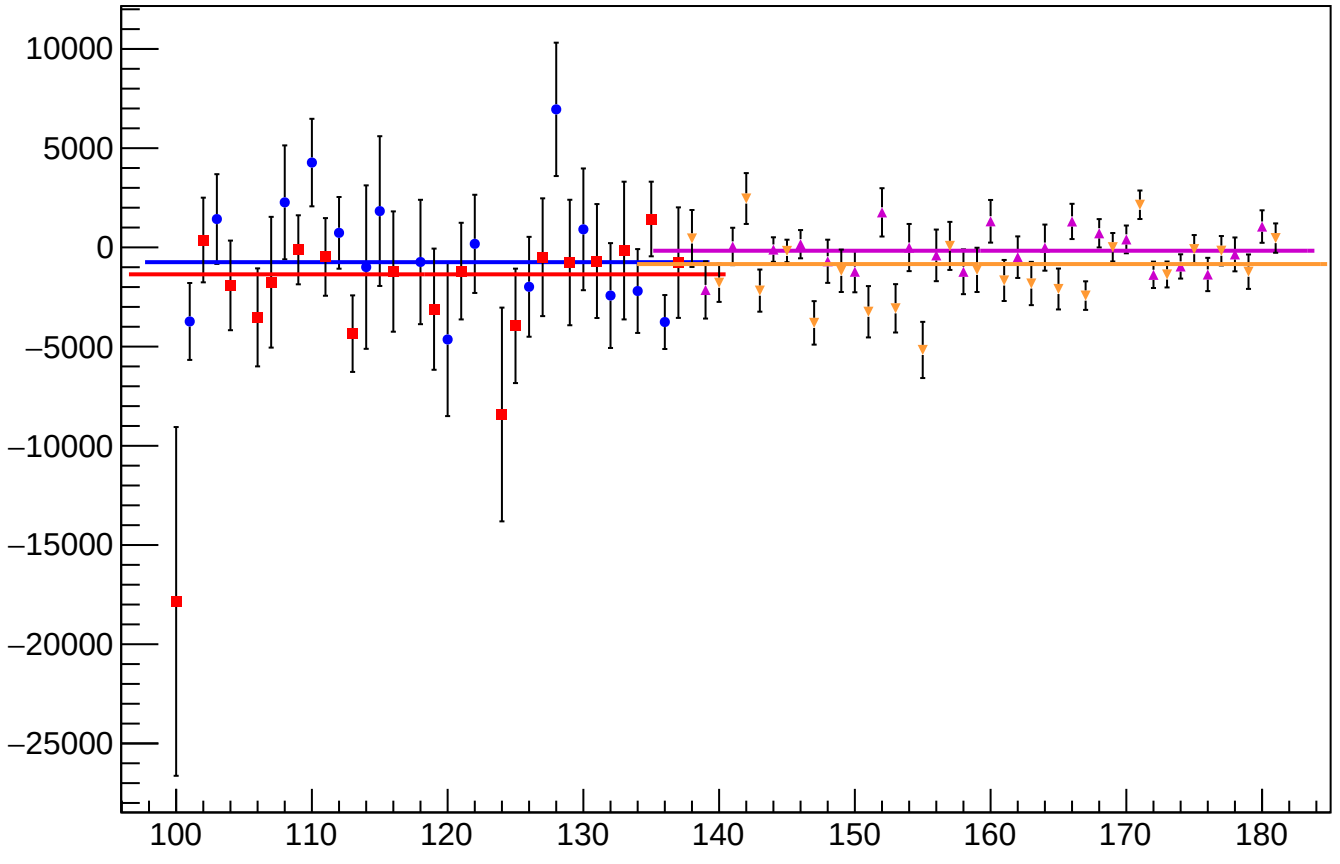
Right Out: 143.480+/-0.040 χ^2/NDF: 1116678.4/18

Left In: 103.274+/-0.018 χ^2/NDF:1351743.1/20

+ sign 109.982+/-0.016 χ^2/NDF: 3788995.2/38

All: 110.192+/-0.012 χ^2/NDF: 7102956.4/78

- sign 110.411+/-0.017 χ^2/NDF: 3313623.8/39



Right In: -744.678+/-595.809 χ^2/NDF: 23.5/15

Left Out: -840.516+/-185.787 χ^2/NDF:68.0/22

Right Out: -1357.874+/-585.807 χ^2/NDF: 13.5/18

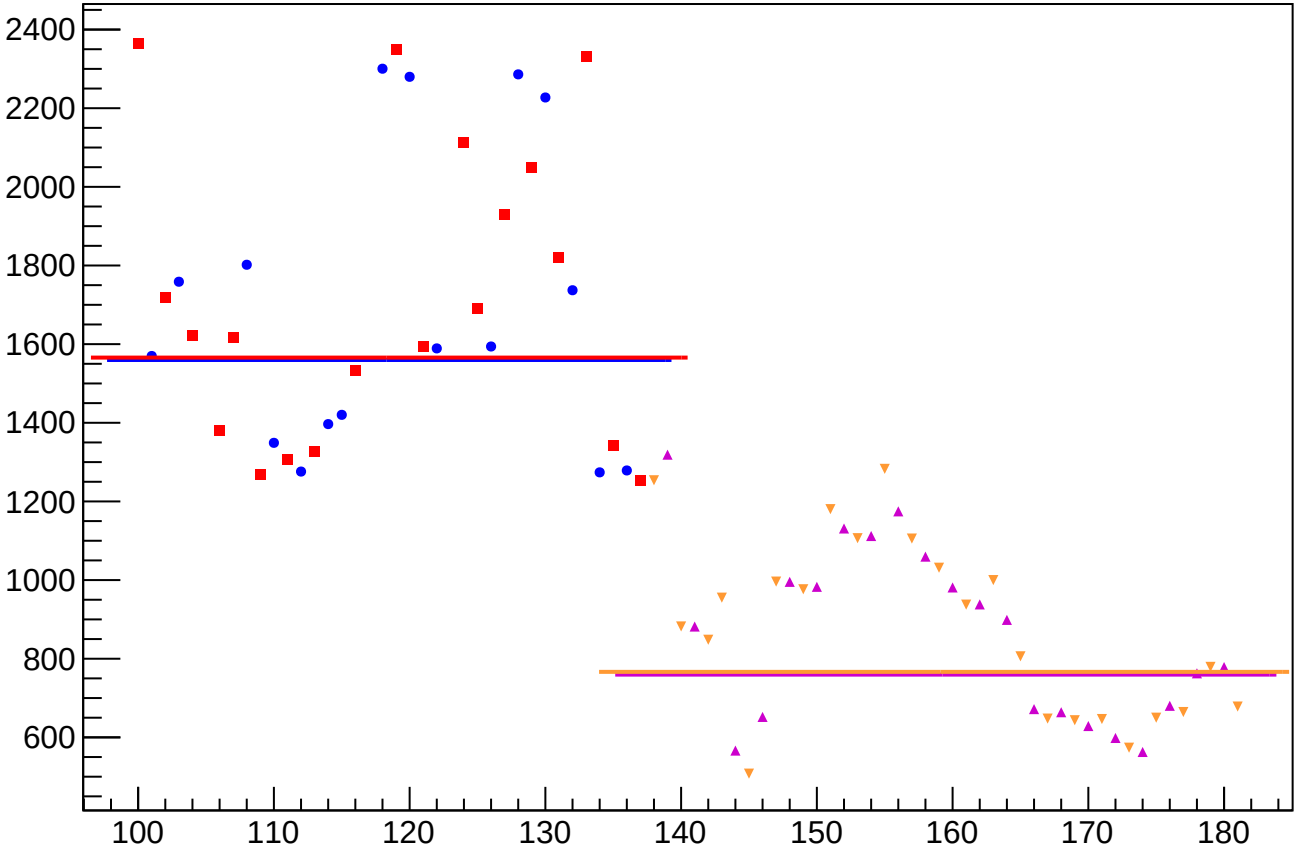
Left In: -169.073+/-189.899 χ^2/NDF:23.1/20

+ sign -832.023+/-177.364 χ^2/NDF: 91.5/38

All: -562.110+/-126.559 χ^2/NDF: 136.6/78

- sign -282.118+/-180.645 χ^2/NDF: 40.4/39

asym_sam3_eigen_dit_correction_rms vs Slug



Right In: 1559.734+/-0.421 χ^2/NDF: 604209.8/15

Left Out: 766.604+/-0.131 χ^2/NDF:2422299.5/22

Right Out: 1565.806+/-0.414 χ^2/NDF: 563845.7/18

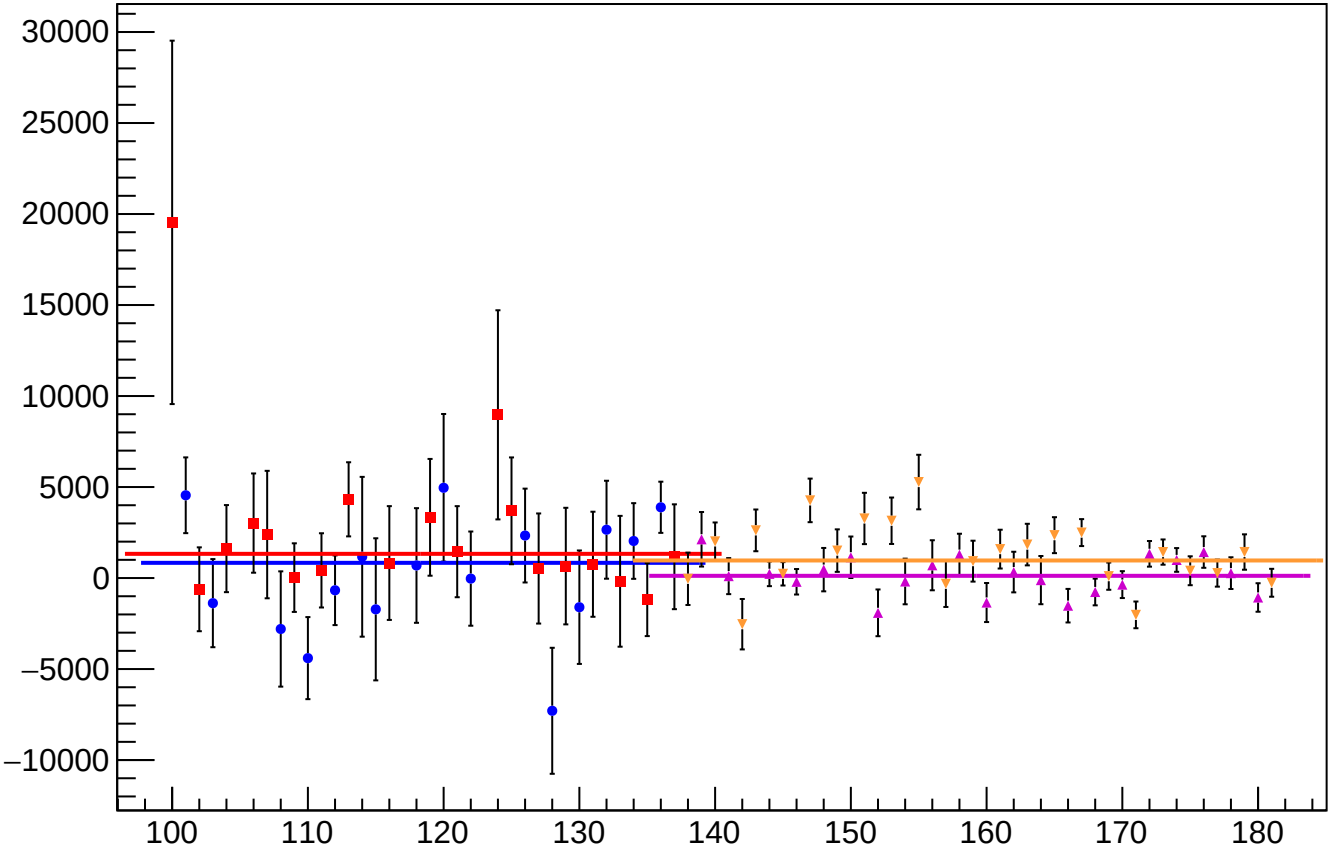
Left In: 759.598+/-0.134 χ^2/NDF:2109472.5/20

+ sign 836.889+/-0.125 χ^2/NDF: 6256530.2/38

All: 836.581+/-0.089 χ^2/NDF: 12357690.2/78

- sign 836.262+/-0.128 χ^2/NDF: 6101147.8/39

asym_sam3_mean vs Slug



Right In: 835.496+/-618.780 χ^2/NDF: 24.9/15

Left Out: 965.229+/-196.523 χ^2/NDF:63.7/22

Right Out: 1329.538+/-616.428 χ^2/NDF: 12.1/18

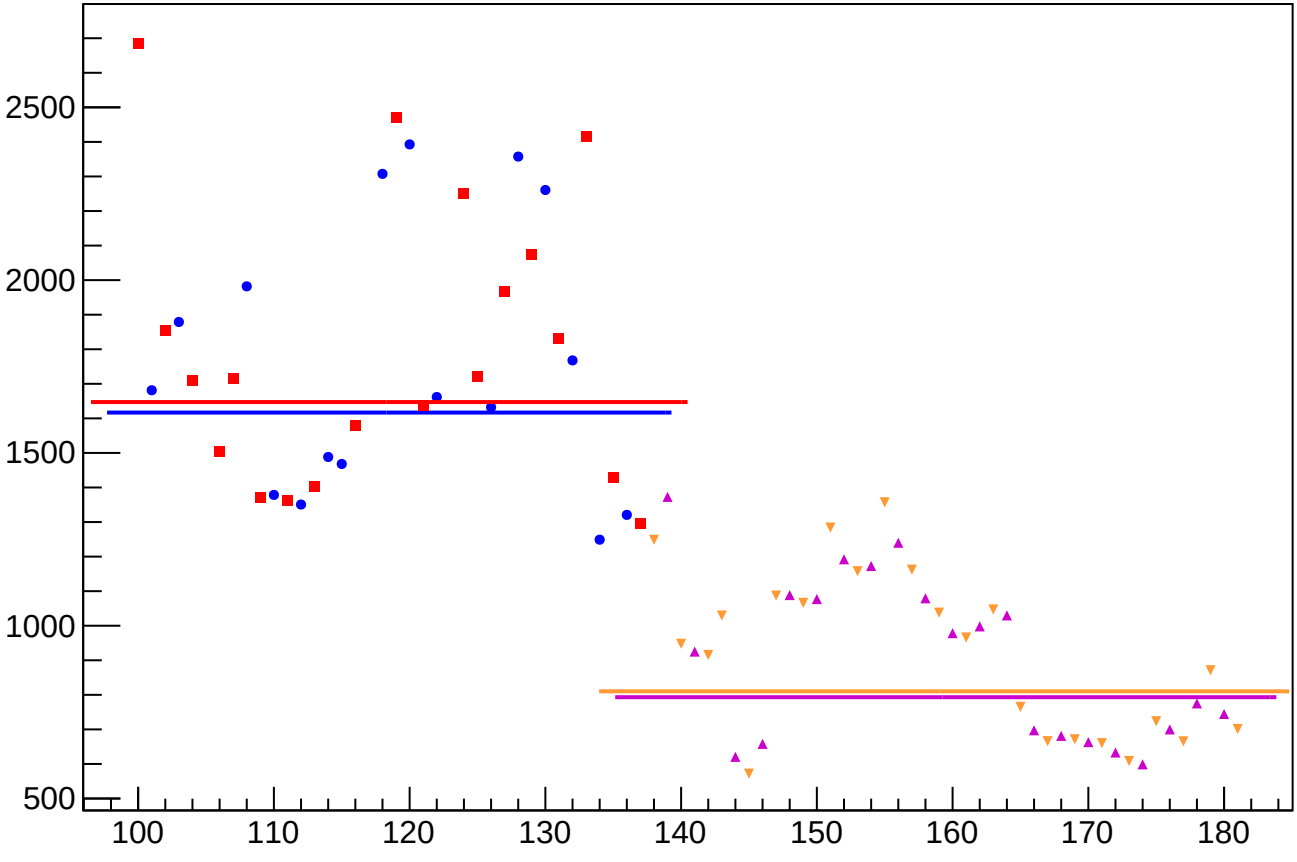
Left In: 122.121+/-198.236 χ^2/NDF:23.0/20

+ sign 953.342+/-187.303 χ^2/NDF: 88.6/38

All: 597.016+/-132.941 χ^2/NDF: 134.6/78

- sign 235.288+/-188.718 χ^2/NDF: 38.6/39

asym_sam3_rms vs Slug



Right In: 1616.804+/-0.438 χ^2/NDF: 622271.0/15

Left Out: 810.187+/-0.139 χ^2/NDF:2338214.4/22

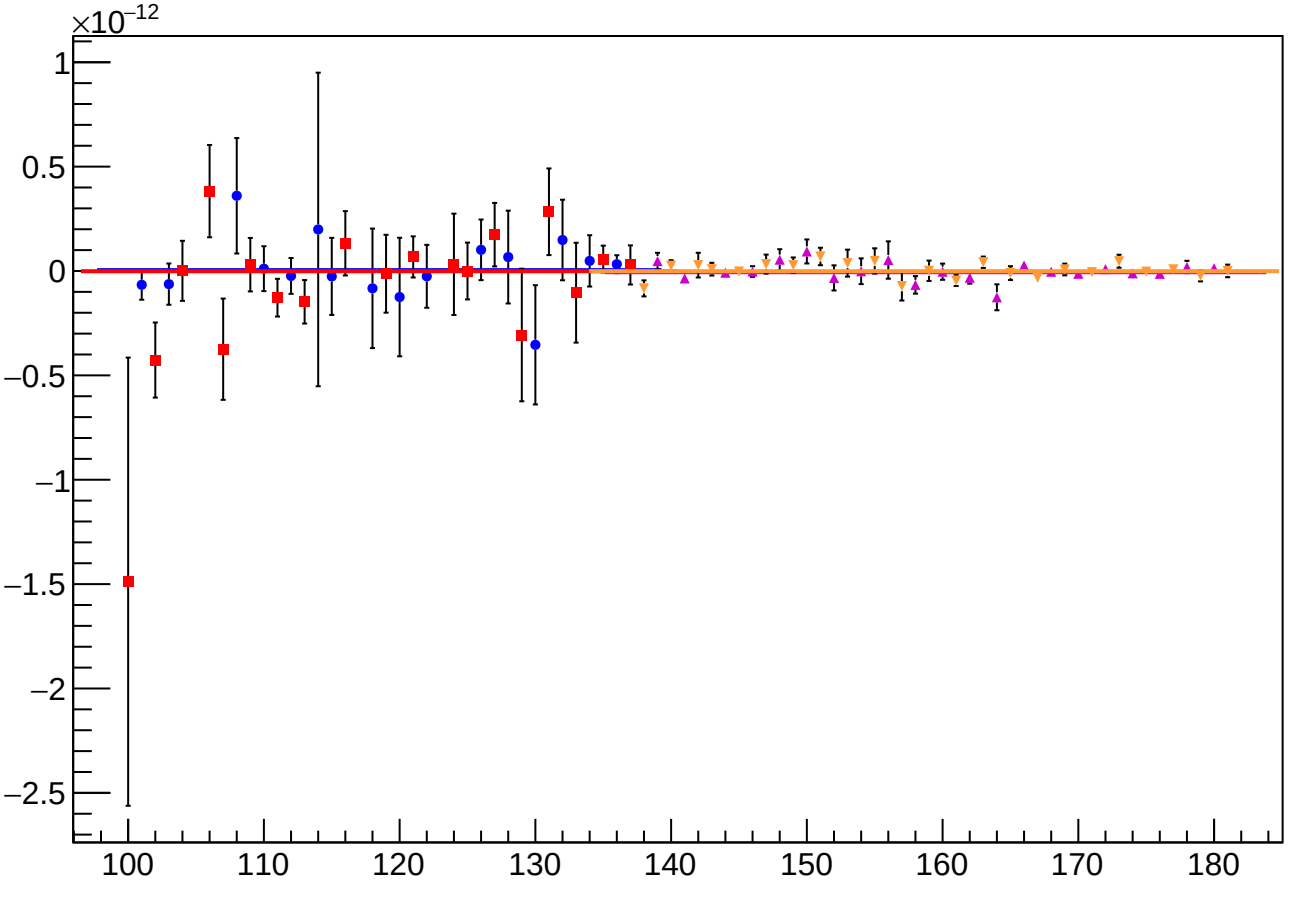
Right Out: 1647.227+/-0.436 χ^2/NDF: 523860.9/18

Left In: 793.180+/-0.140 χ^2/NDF:2131926.4/20

+ sign 884.094+/-0.132 χ^2/NDF: 6047628.4/38

All: 878.701+/-0.094 χ^2/NDF: 12186034.4/78

- sign 873.226+/-0.133 χ^2/NDF: 6135065.0/39



Right In: 0.000+/-0.000 χ^2/NDF: 6.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:23.5/22

Right Out: -0.000+/-0.000 χ^2/NDF: 23.4/18

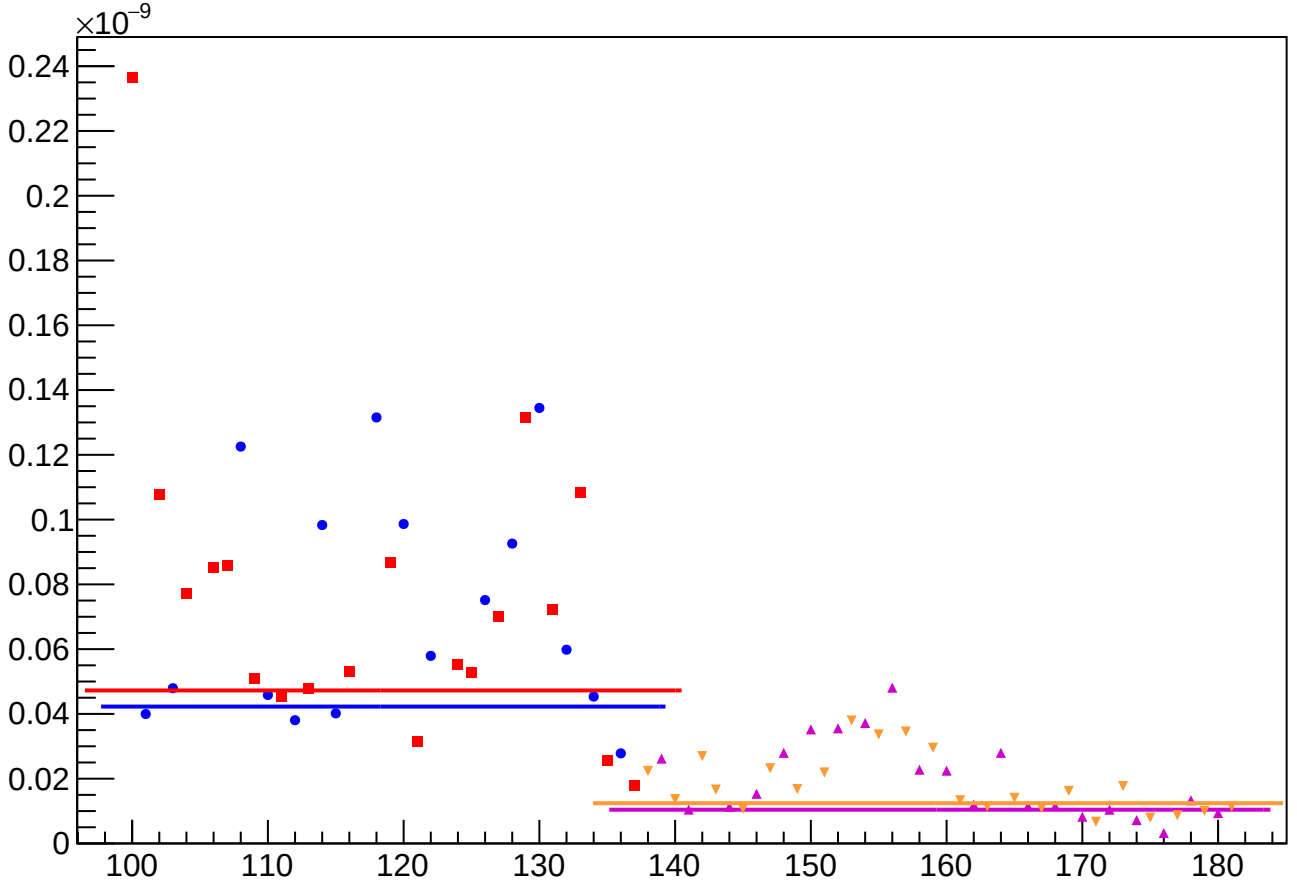
Left In: -0.000+/-0.000 χ^2/NDF:19.9/20

+ sign -0.000+/-0.000 χ^2/NDF: 30.4/38

All: -0.000+/-0.000 χ^2/NDF: 74.2/78

- sign -0.000+/-0.000 χ^2/NDF: 43.4/39

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:2212845.4/22

Right Out: 0.000+/-0.000 χ^2/NDF: 1410595.6/18

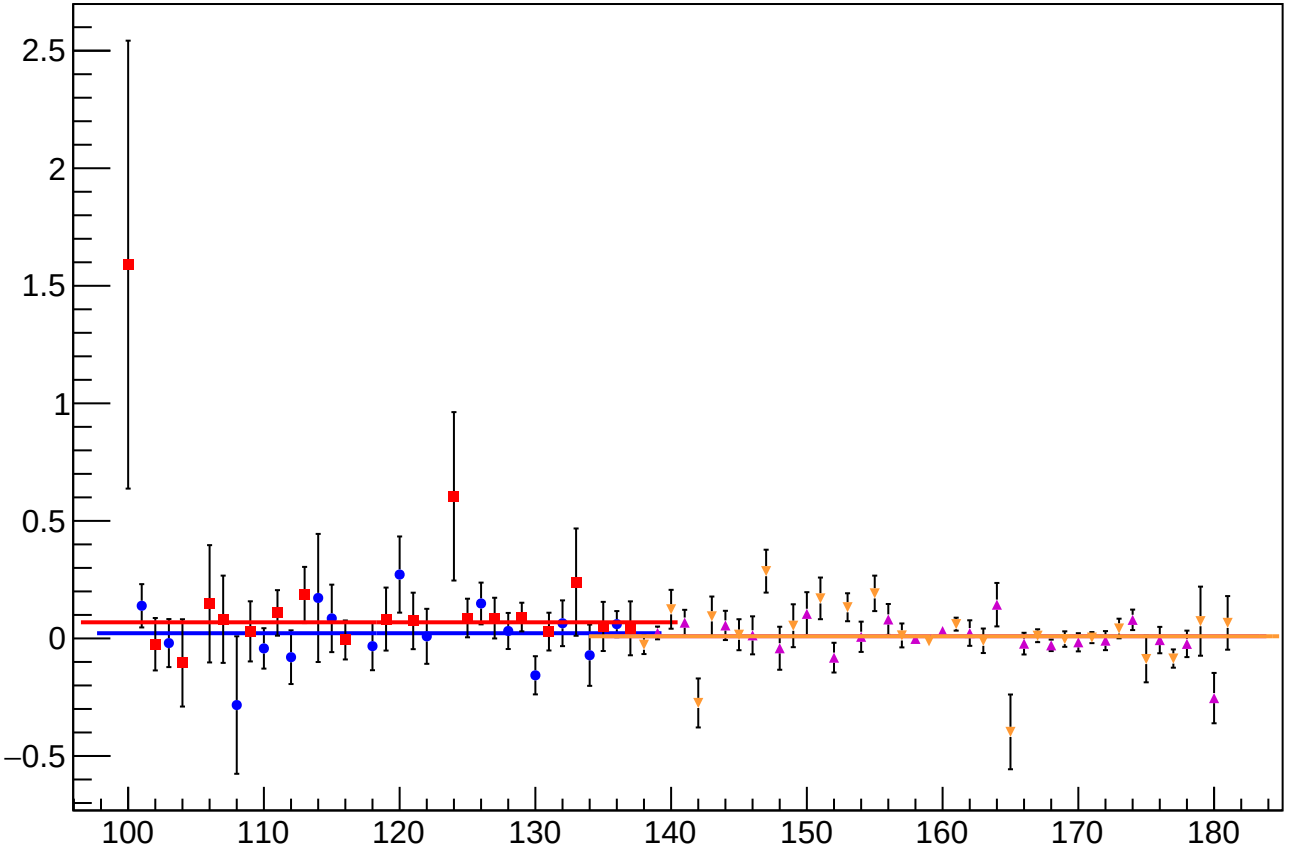
Left In: 0.000+/-0.000 χ^2/NDF:3613795.4/20

+ sign 0.000+/-0.000 χ^2/NDF: 5659905.7/38

All: 0.000+/-0.000 χ^2/NDF: 13721035.4/78

- sign 0.000+/-0.000 χ^2/NDF: 7893759.7/39

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+/-0.008 χ^2/NDF:54.3/22

Right Out: 0.069+/-0.025 χ^2/NDF: 9.6/18

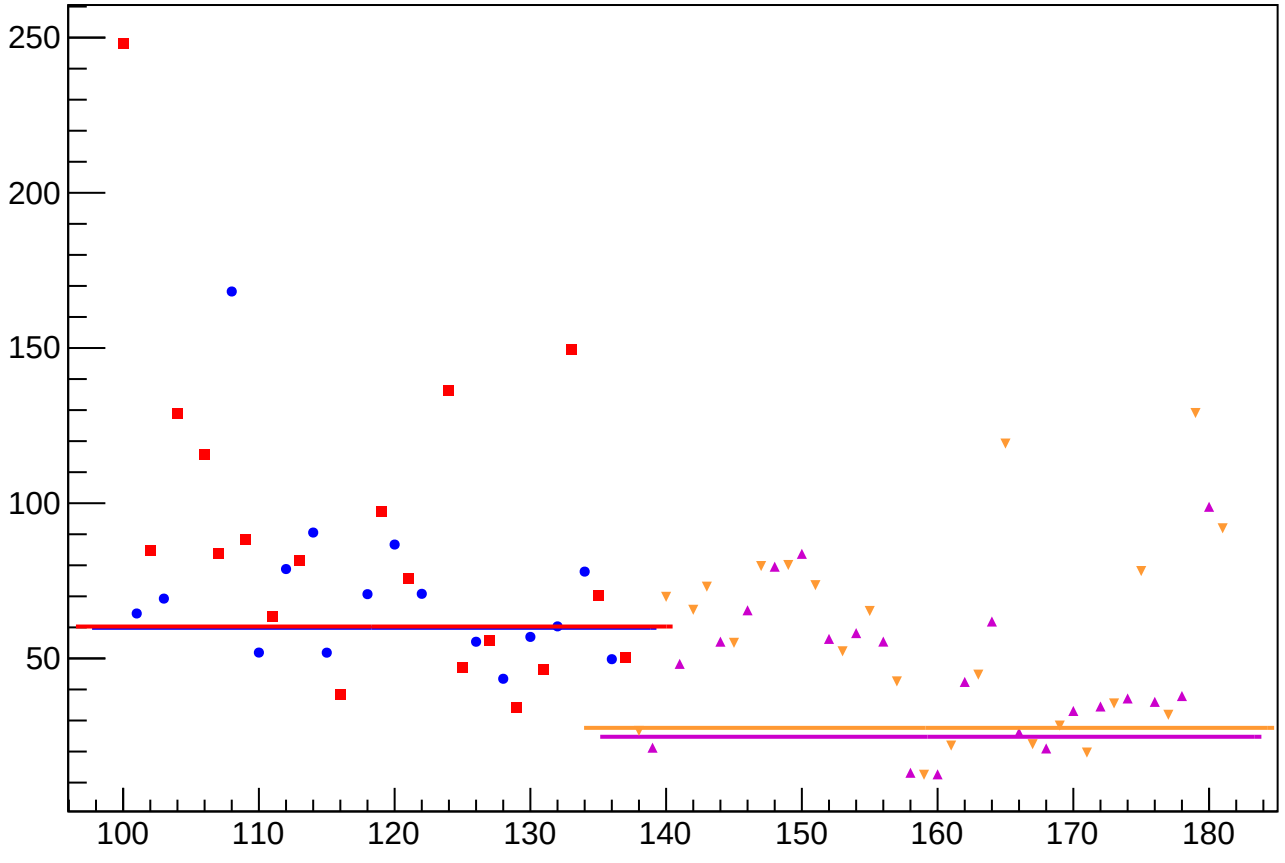
Left In: 0.010+/-0.008 χ^2/NDF:23.8/20

+ sign 0.011+/-0.008 χ^2/NDF: 70.0/38

All: 0.013+/-0.006 χ^2/NDF: 108.6/78

- sign 0.015+/-0.008 χ^2/NDF: 38.4/39

asym_sam3_dit_vs_cor_diff_rms vs Slug



Right In: 59.867+/-0.017 χ^2/NDF: 698954.5/15

Left Out: 27.632+/-0.006 χ^2/NDF:9967598.7/22

Right Out: 60.278+/-0.018 χ^2/NDF: 1977220.6/18

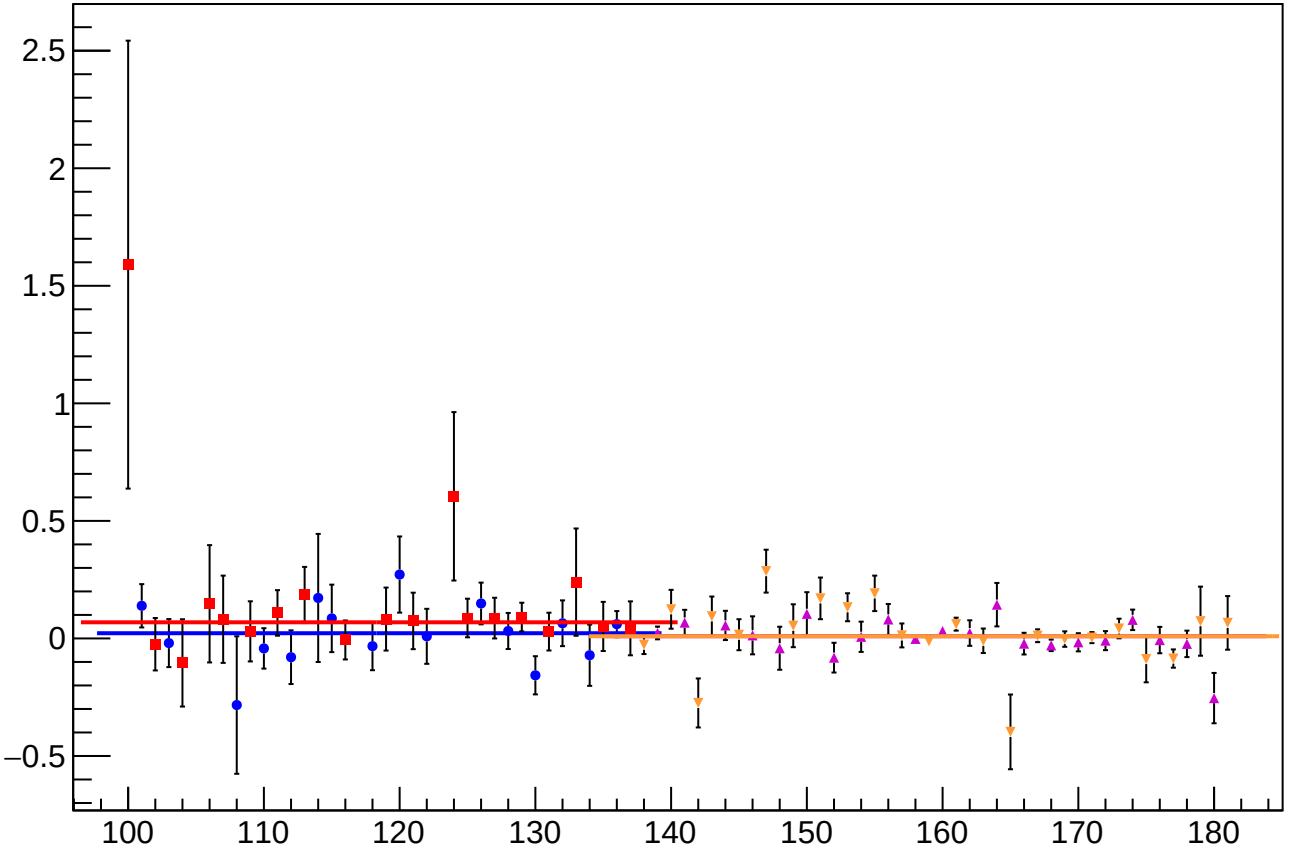
Left In: 24.762+/-0.006 χ^2/NDF:8656681.8/20

+ sign 31.042+/-0.006 χ^2/NDF: 13718899.5/38

All: 29.410+/-0.004 χ^2/NDF: 28102878.8/78

- sign 27.954+/-0.005 χ^2/NDF: 14227348.6/39

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+/-0.008 χ^2/NDF:54.3/22

Right Out: 0.069+/-0.025 χ^2/NDF: 9.6/18

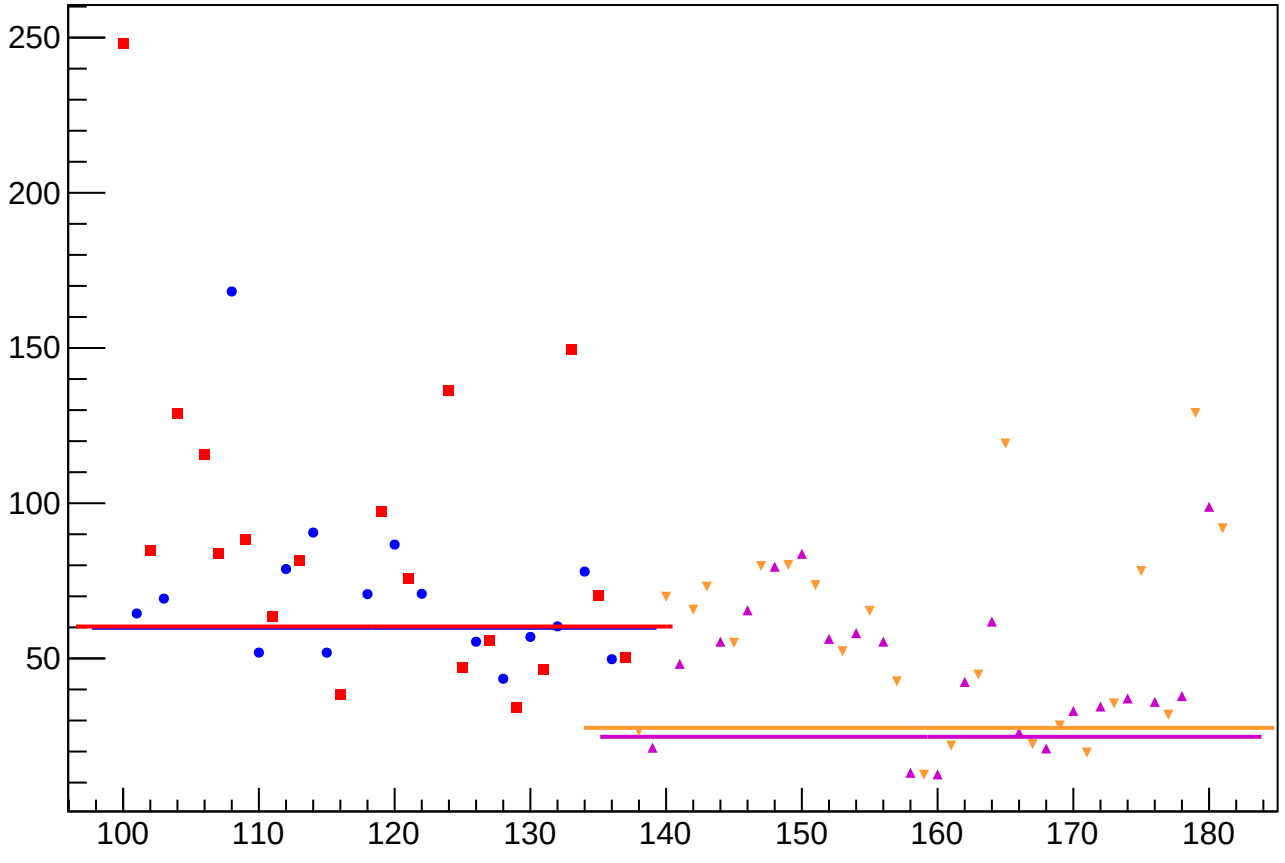
Left In: 0.010+/-0.008 χ^2/NDF:23.8/20

+ sign 0.011+/-0.008 χ^2/NDF: 70.0/38

All: 0.013+/-0.006 χ^2/NDF: 108.6/78

- sign 0.015+/-0.008 χ^2/NDF: 38.4/39

asym_sam3_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 59.867+/-0.017 χ^2/NDF: 698954.5/15

Left Out: 27.632+/-0.006 χ^2/NDF:9967598.7/22

Right Out: 60.278+/-0.018 χ^2/NDF: 1977220.6/18

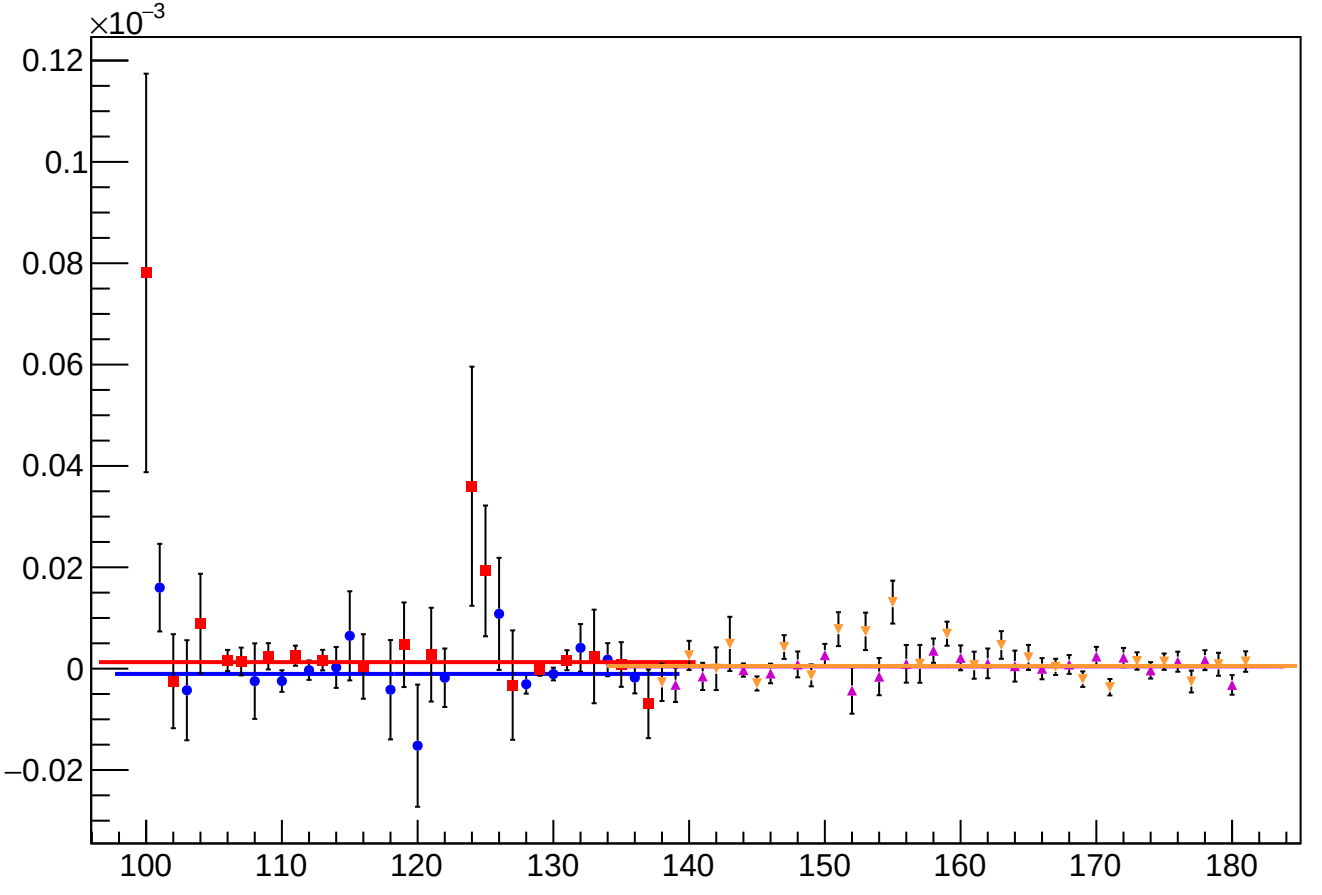
Left In: 24.762+/-0.006 χ^2/NDF:8656681.8/20

+ sign 31.042+/-0.006 χ^2/NDF: 13718899.5/38

All: 29.410+/-0.004 χ^2/NDF: 28102878.8/78

- sign 27.954+/-0.005 χ^2/NDF: 14227348.6/39

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:50.7/22

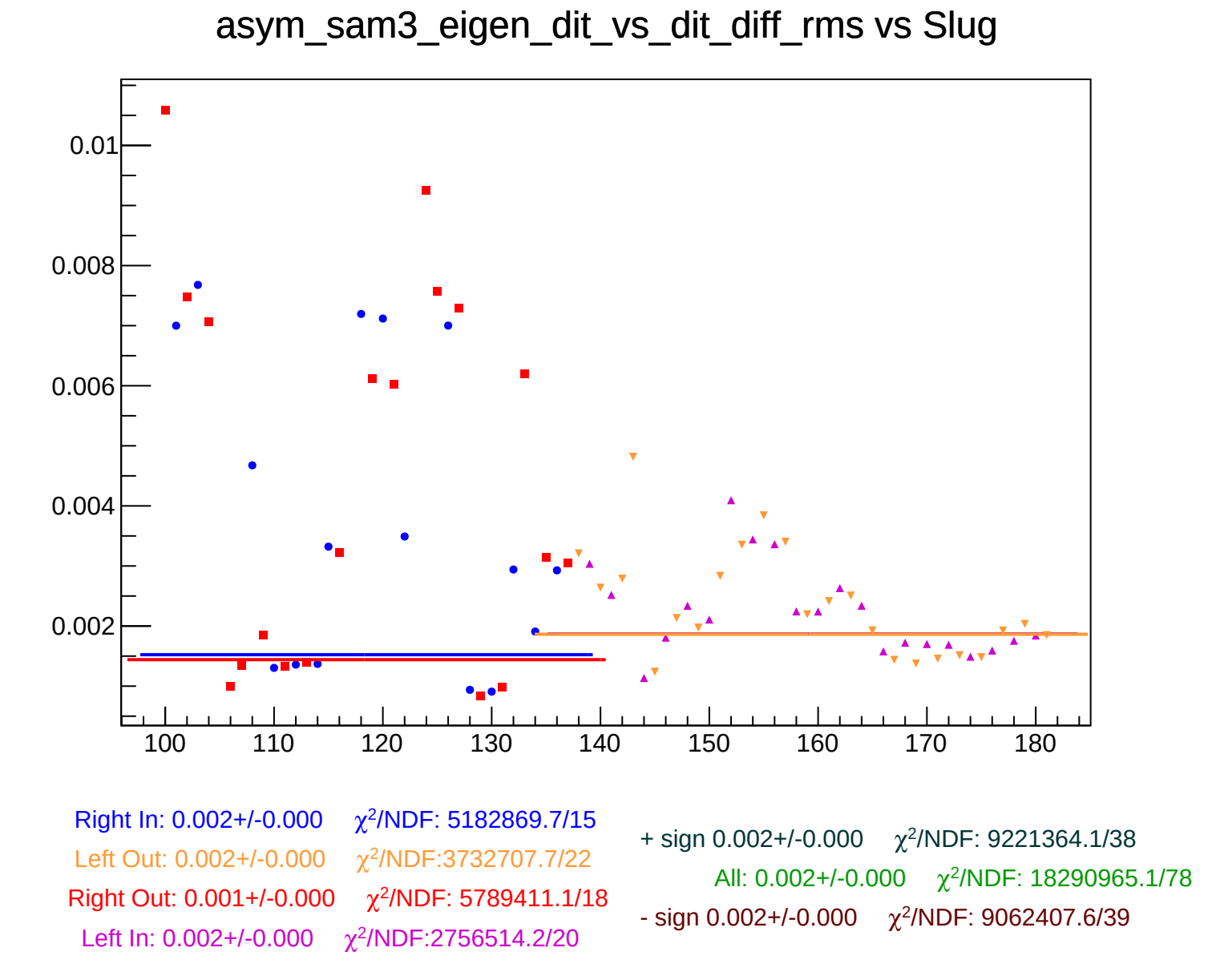
Right Out: 0.000+/-0.000 χ^2/NDF: 12.5/18

Left In: 0.000+/-0.000 χ^2/NDF:13.5/20

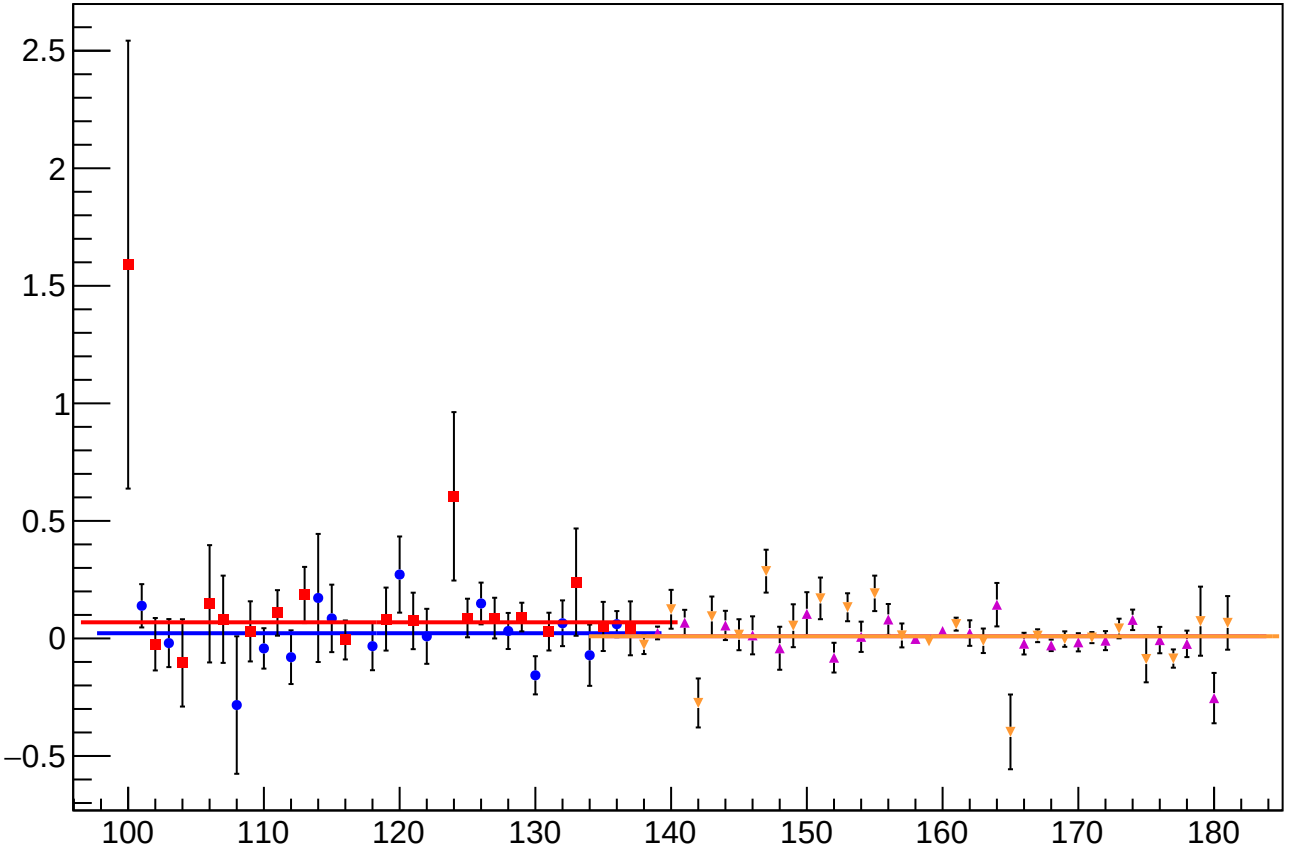
+ sign 0.000+/-0.000 χ^2/NDF: 65.2/38

All: 0.000+/-0.000 χ^2/NDF: 93.4/78

- sign 0.000+/-0.000 χ^2/NDF: 26.9/39


asym_sam3_eigen_dit_vs_dit_diff_rms vs Slug
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: 5182869.7/15
Left Out: 0.002+/-0.000 χ²/NDF:3732707.7/22
Right Out: 0.001+/-0.000 χ²/NDF: 5789411.1/18
Left In: 0.002+/-0.000 χ²/NDF:2756514.2/20
+ sign 0.002+/-0.000 χ²/NDF: 9221364.1/38
All: 0.002+/-0.000 χ²/NDF: 18290965.1/78
- sign 0.002+/-0.000 χ²/NDF: 9062407.6/39

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+/-0.008 χ^2/NDF:54.3/22

Right Out: 0.069+/-0.025 χ^2/NDF: 9.6/18

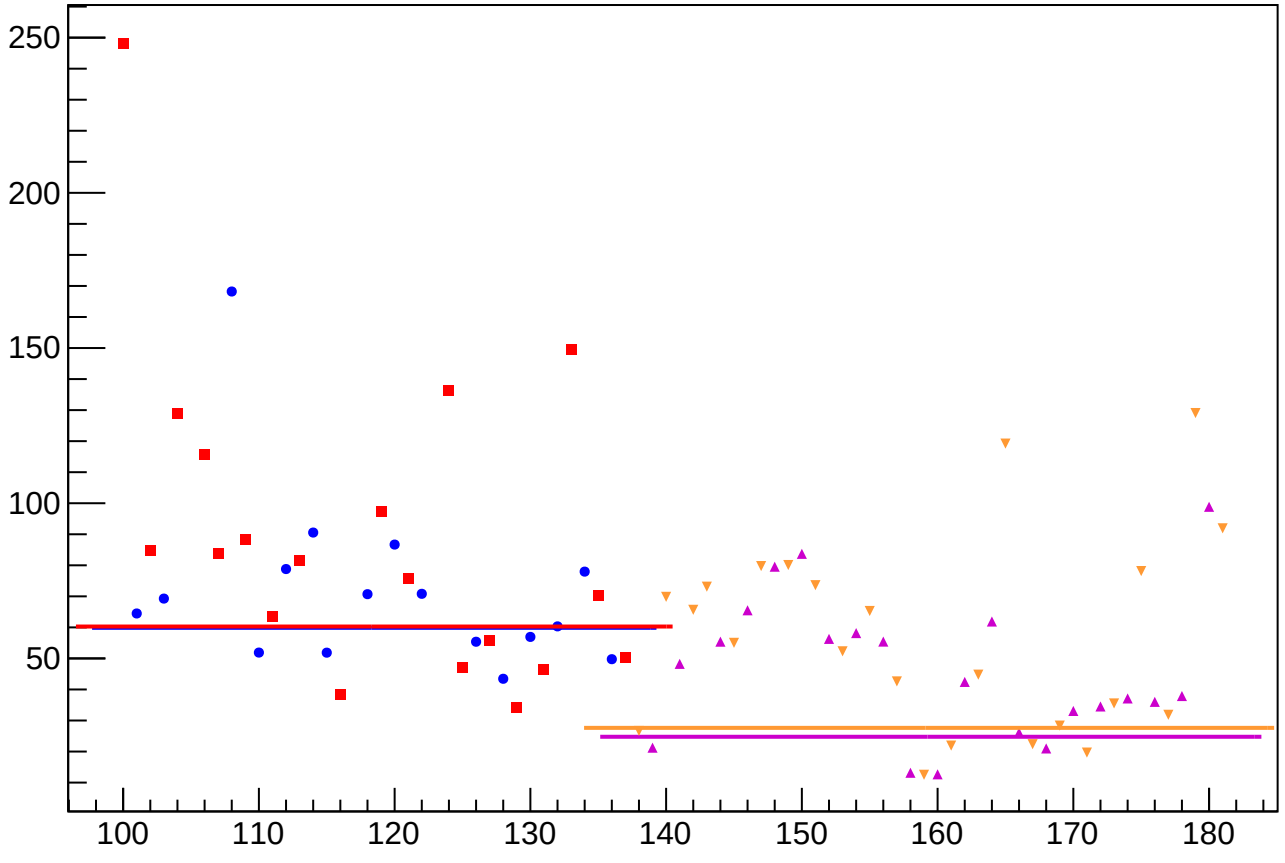
Left In: 0.010+/-0.008 χ^2/NDF:23.8/20

+ sign 0.011+/-0.008 χ^2/NDF: 70.0/38

All: 0.013+/-0.006 χ^2/NDF: 108.6/78

- sign 0.015+/-0.008 χ^2/NDF: 38.4/39

asym_sam3_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 59.868+/-0.017 χ^2/NDF: 699008.9/15

Left Out: 27.631+/-0.006 χ^2/NDF:9968636.2/22

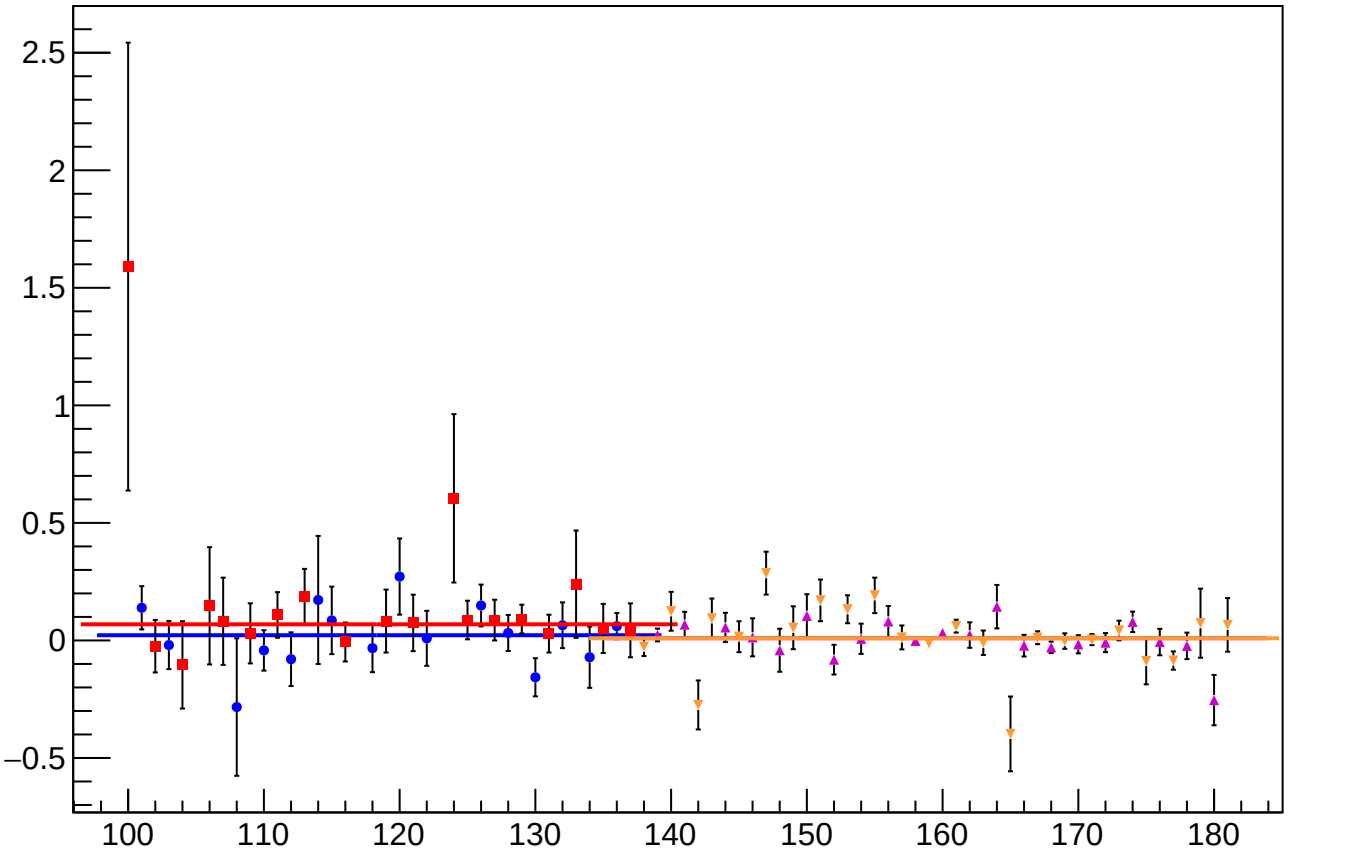
Right Out: 60.278+/-0.018 χ^2/NDF: 1977294.2/18

Left In: 24.761+/-0.006 χ^2/NDF:8657171.8/20

+ sign 31.041+/-0.006 χ^2/NDF: 13720297.0/38

All: 29.409+/-0.004 χ^2/NDF: 28104859.1/78

- sign 27.953+/-0.005 χ^2/NDF: 14228010.1/39



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.009+/-0.008 χ^2/NDF:54.3/22

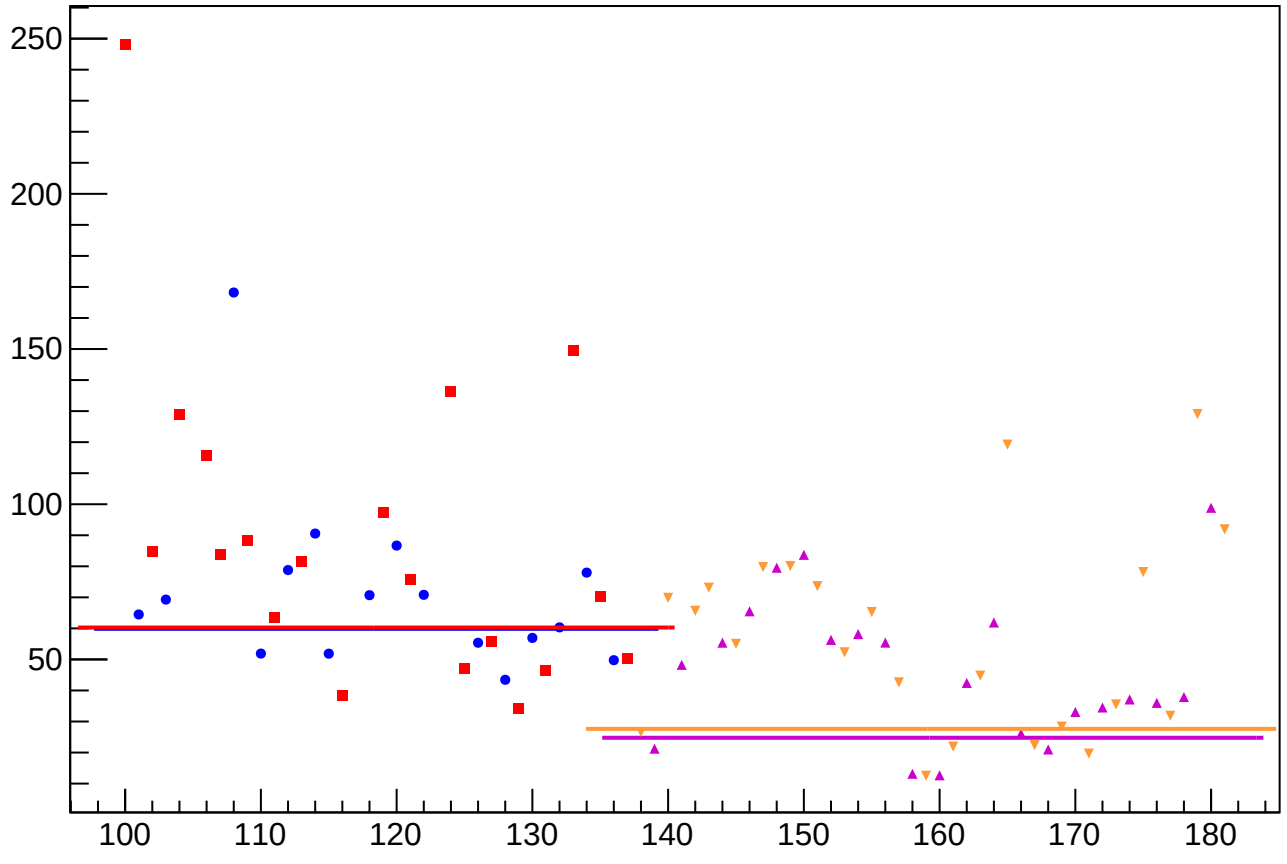
Right Out: 0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: 0.010+/-0.008 χ^2/NDF:23.8/20

+ sign 0.011+/-0.008 χ^2/NDF: 70.0/38

All: 0.013+/-0.006 χ^2/NDF: 108.6/78

- sign 0.015+/-0.008 χ^2/NDF: 38.4/39



Right In: 59.868+/-0.017 χ^2/NDF: 699008.9/15

Left Out: 27.631+/-0.006 χ^2/NDF:9968636.2/22

Right Out: 60.278+/-0.018 χ^2/NDF: 1977294.2/18

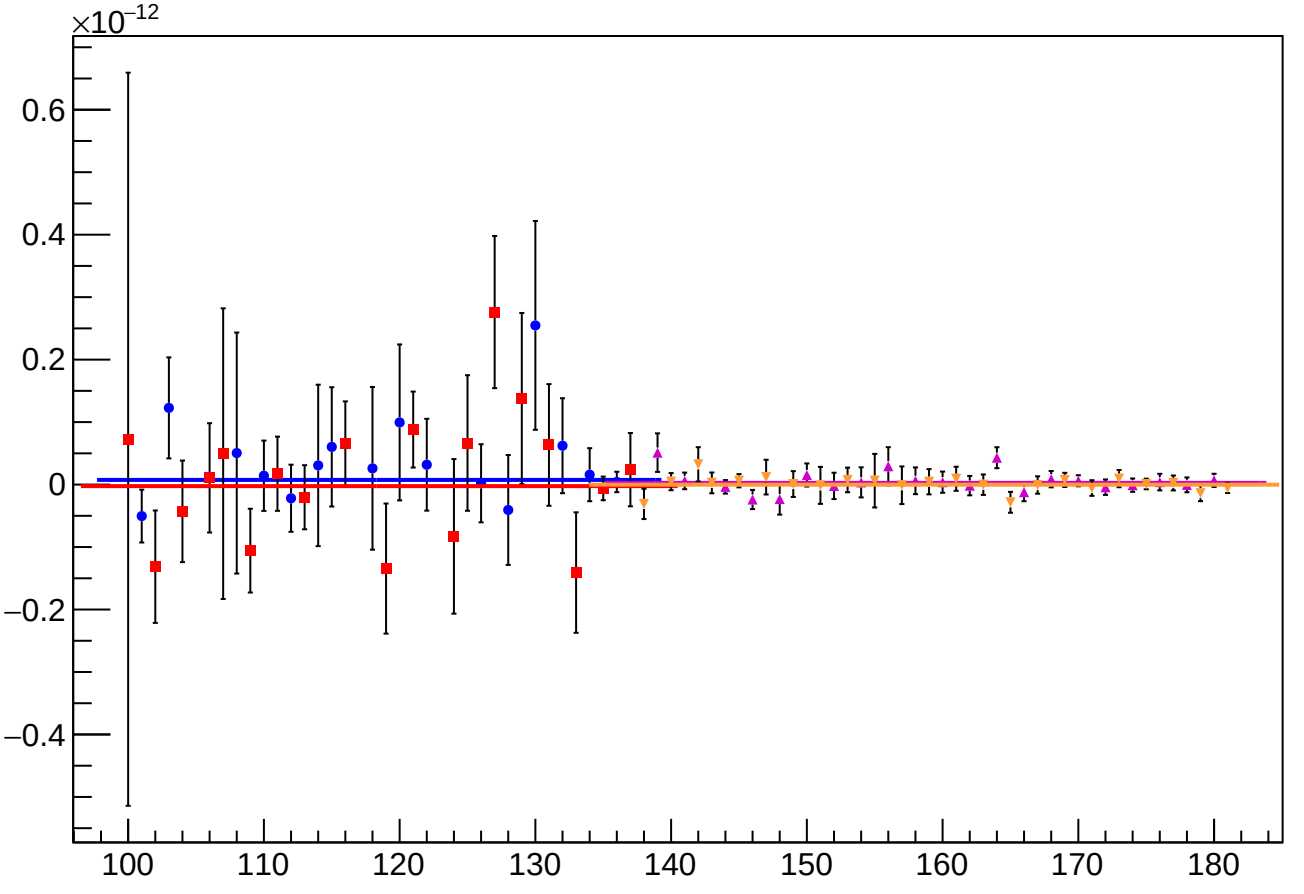
Left In: 24.761+/-0.006 χ^2/NDF:8657171.8/20

+ sign 31.041+/-0.006 χ^2/NDF: 13720297.0/38

All: 29.409+/-0.004 χ^2/NDF: 28104859.1/78

- sign 27.953+/-0.005 χ^2/NDF: 14228010.1/39

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:9.8/22

Right Out: -0.000+/-0.000 χ^2/NDF: 19.7/18

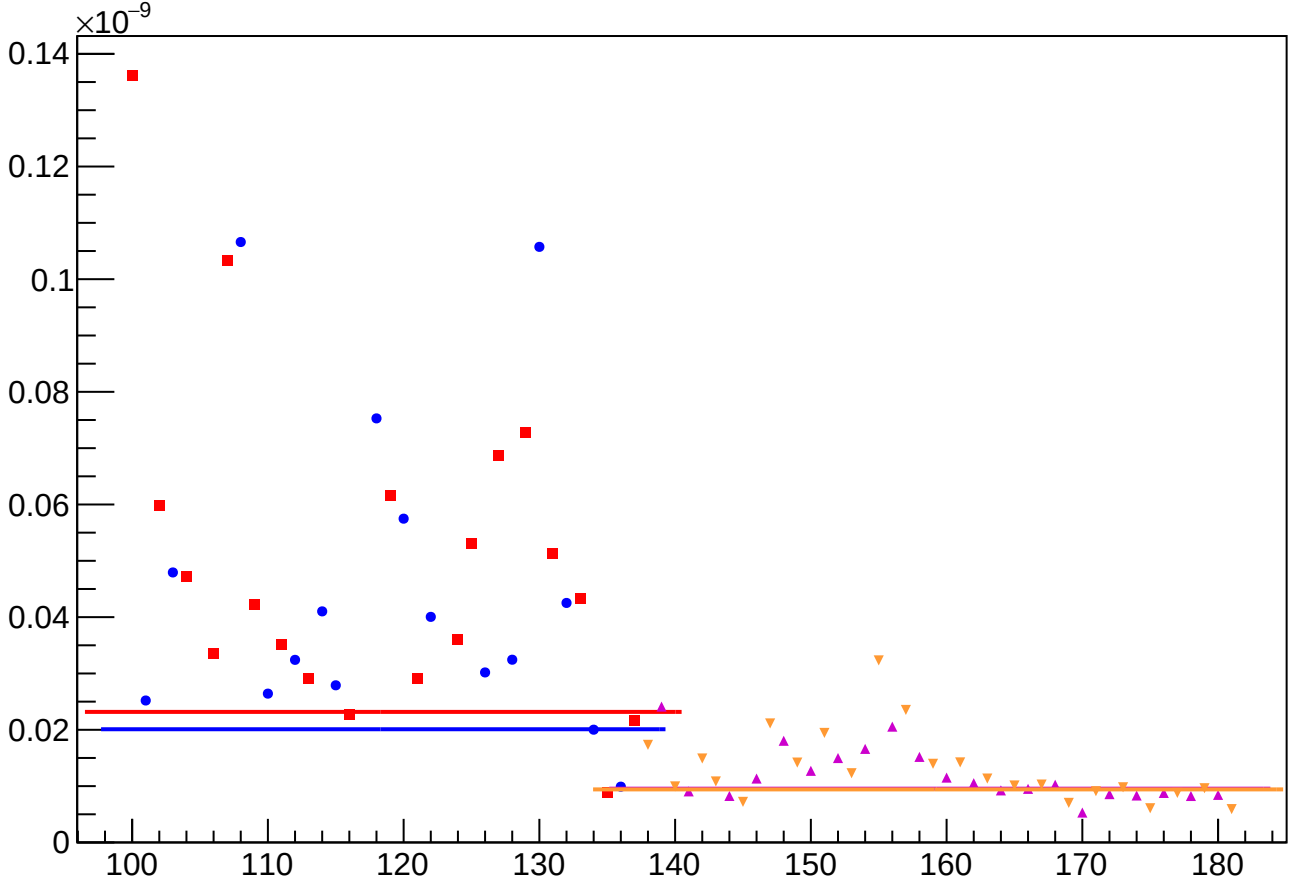
Left In: 0.000+/-0.000 χ^2/NDF:16.1/20

+ sign 0.000+/-0.000 χ^2/NDF: 18.6/38

All: 0.000+/-0.000 χ^2/NDF: 54.8/78

- sign 0.000+/-0.000 χ^2/NDF: 35.9/39

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:3179122.4/22

Right Out: 0.000+/-0.000 χ^2/NDF: 3530677.1/18

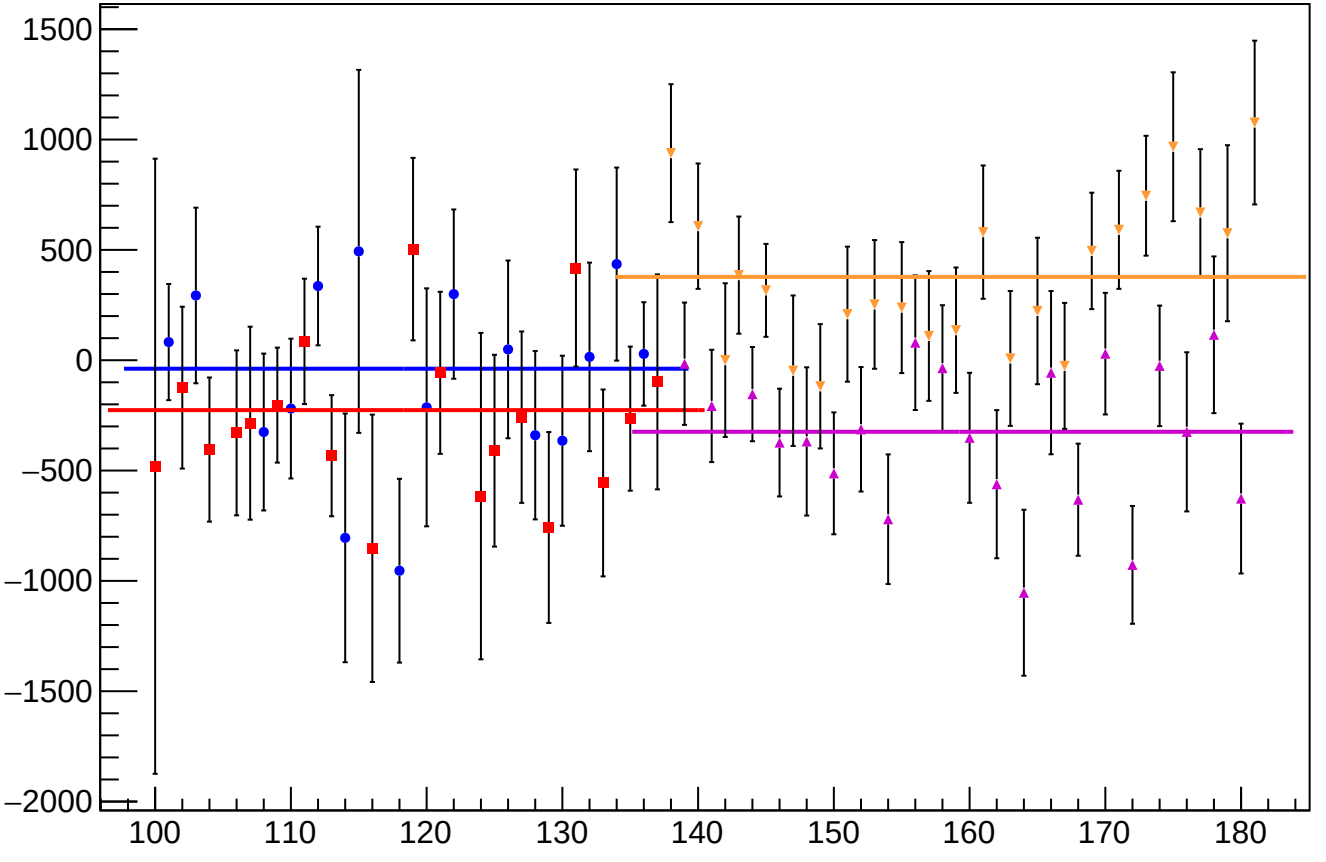
Left In: 0.000+/-0.000 χ^2/NDF:2090148.4/20

+ sign 0.000+/-0.000 χ^2/NDF: 7756543.5/38

All: 0.000+/-0.000 χ^2/NDF: 15310746.7/78

- sign 0.000+/-0.000 χ^2/NDF: 7550121.1/39

reg_asym_sam4_mean vs Slug



Right In: -38.498+/-90.619 χ^2/NDF: 14.5/15

Left Out: 377.552+/-61.320 χ^2/NDF:26.7/22

Right Out: -226.168+/-87.908 χ^2/NDF: 11.4/18

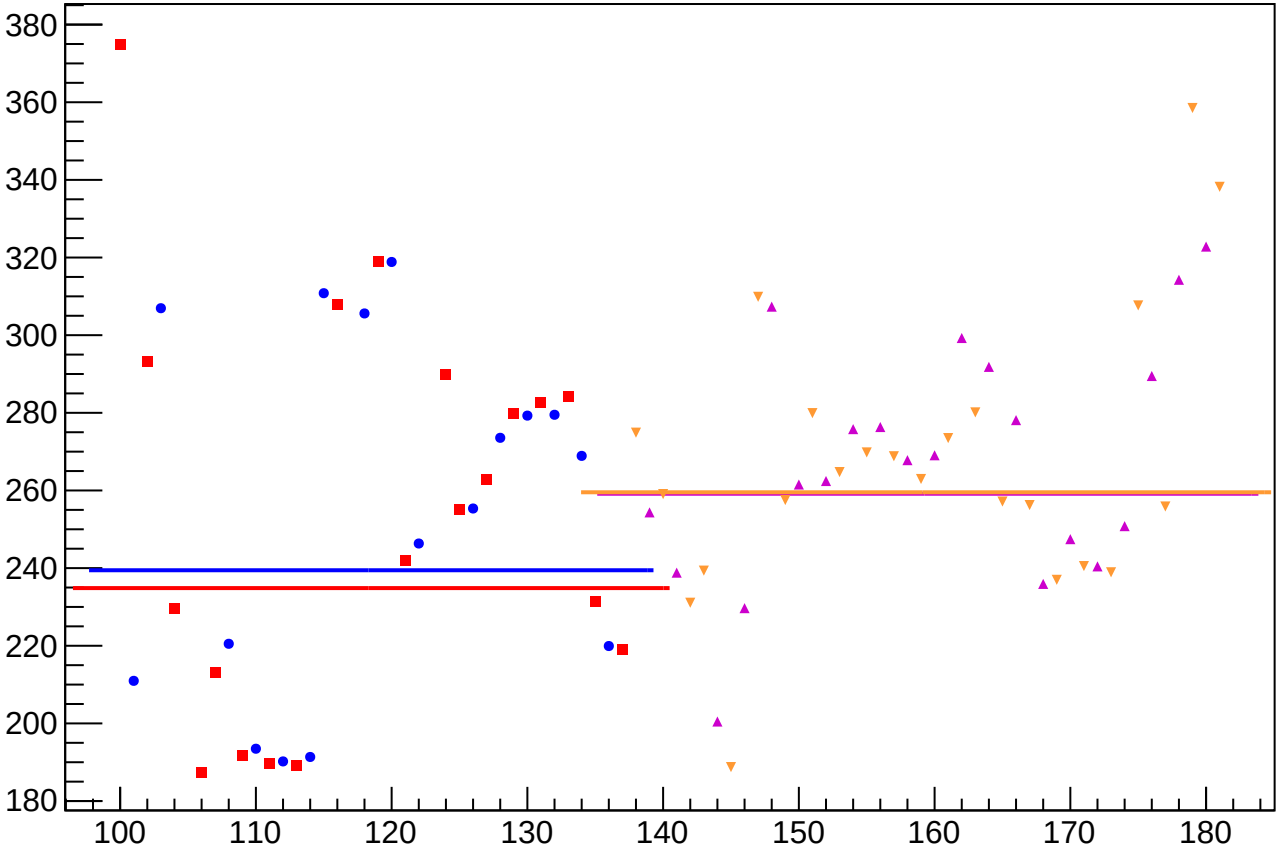
Left In: -324.278+/-63.052 χ^2/NDF:23.7/20

+ sign 246.877+/-50.786 χ^2/NDF: 55.6/38

All: -19.665+/-36.069 χ^2/NDF: 147.2/78

- sign -290.951+/-51.235 χ^2/NDF: 36.0/39

reg_asym_sam4_rms vs Slug



Right In: 239.449+/-0.064 χ^2/NDF: 400955.7/15

Left Out: 259.534+/-0.043 χ^2/NDF:617902.5/22

Right Out: 234.855+/-0.062 χ^2/NDF: 481715.3/18

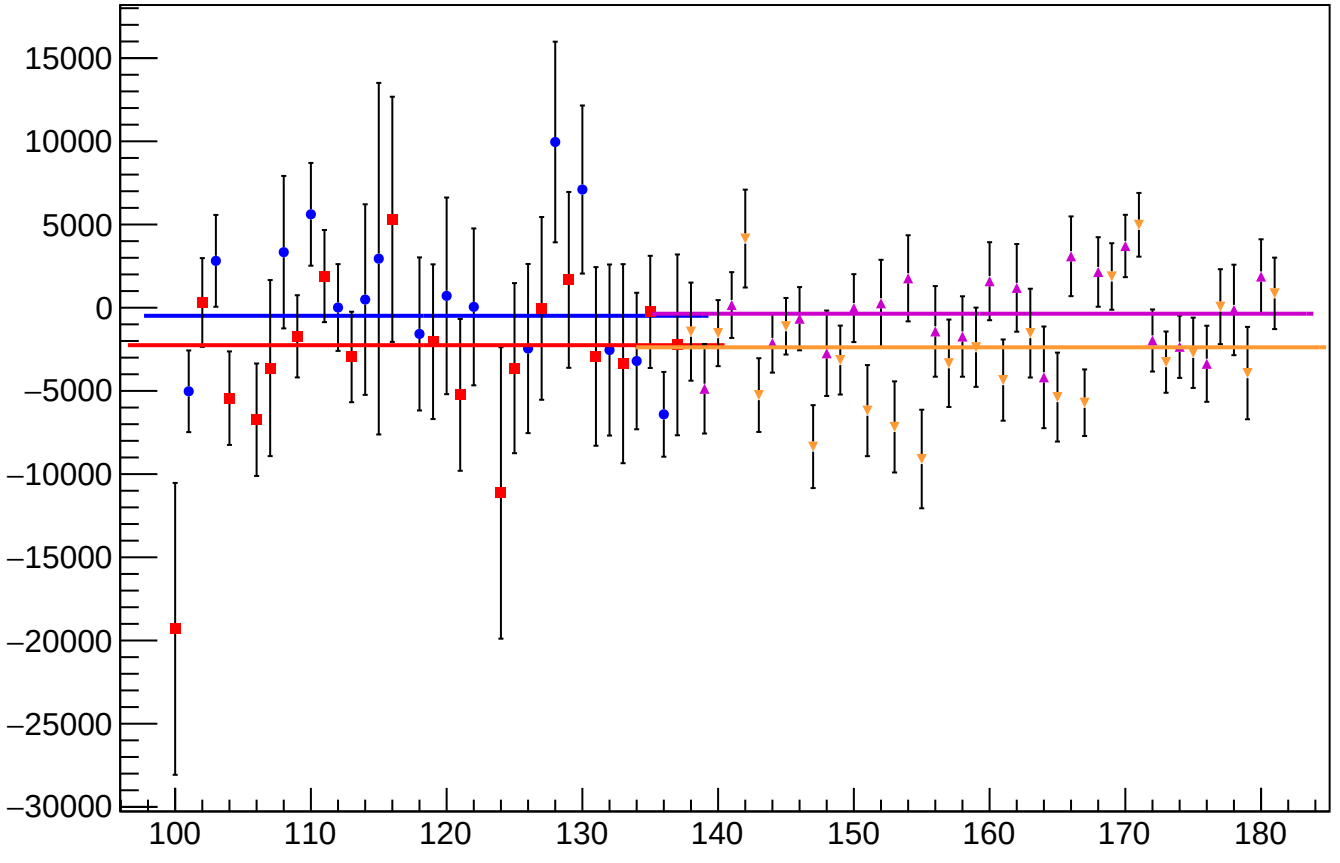
Left In: 259.157+/-0.045 χ^2/NDF:465559.2/20

+ sign 253.226+/-0.036 χ^2/NDF: 1086249.8/38

All: 252.074+/-0.026 χ^2/NDF: 2136528.0/78

- sign 250.901+/-0.036 χ^2/NDF: 1048202.5/39

asym_sam4_reg_correction_mean vs Slug



Right In: -485.932+/-947.459 χ^2/NDF: 21.1/15

Left Out: -2379.145+/-475.902 χ^2/NDF:51.7/22

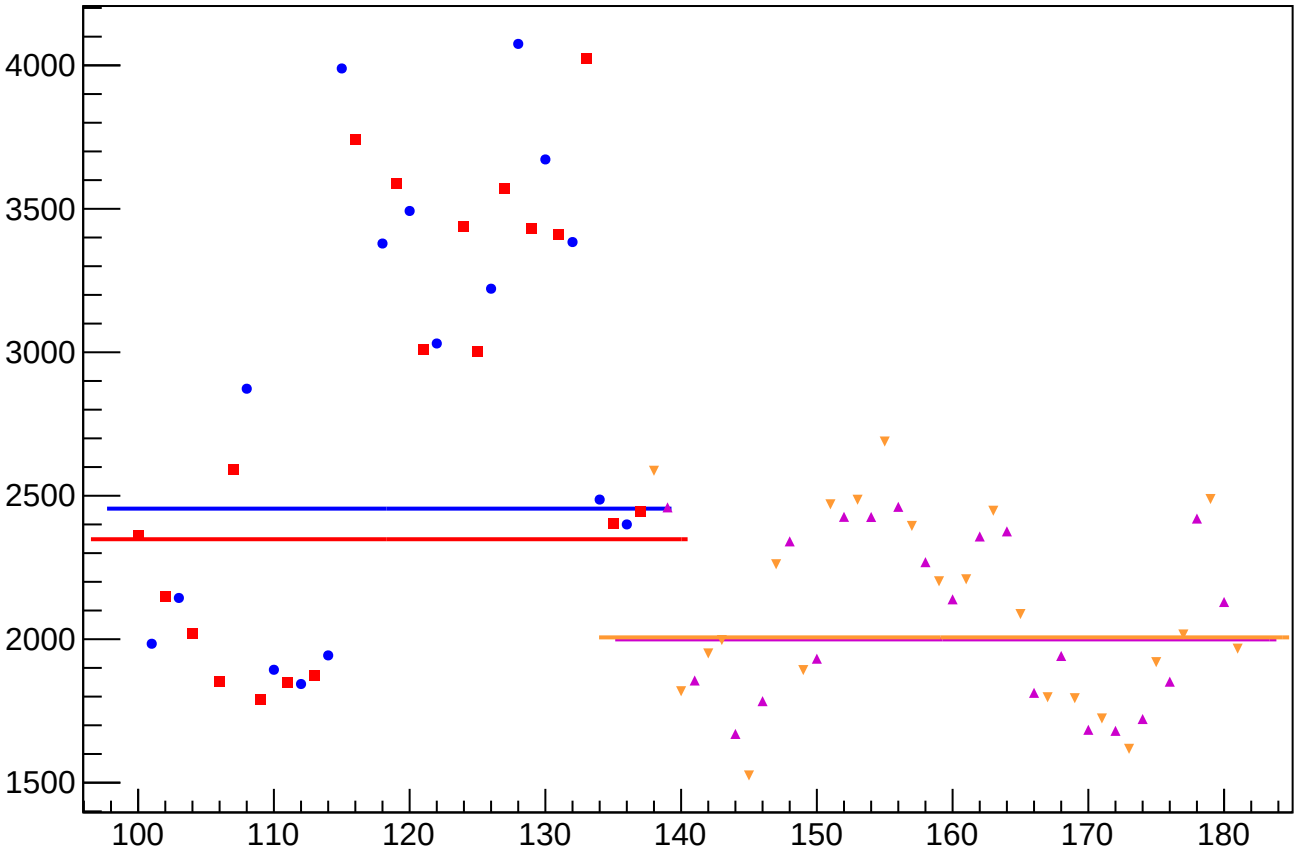
Right Out: -2251.898+/-894.171 χ^2/NDF: 13.9/18

Left In: -360.544+/-487.940 χ^2/NDF:21.4/20

+ sign -1997.723+/-425.269 χ^2/NDF: 76.0/38

All: -1400.418+/-301.783 χ^2/NDF: 118.7/78

- sign -794.519+/-428.318 χ^2/NDF: 38.7/39



Right In: 2455.103+/-0.670 χ^2/NDF: 894389.6/15

Left Out: 2006.395+/-0.337 χ^2/NDF:877392.6/22

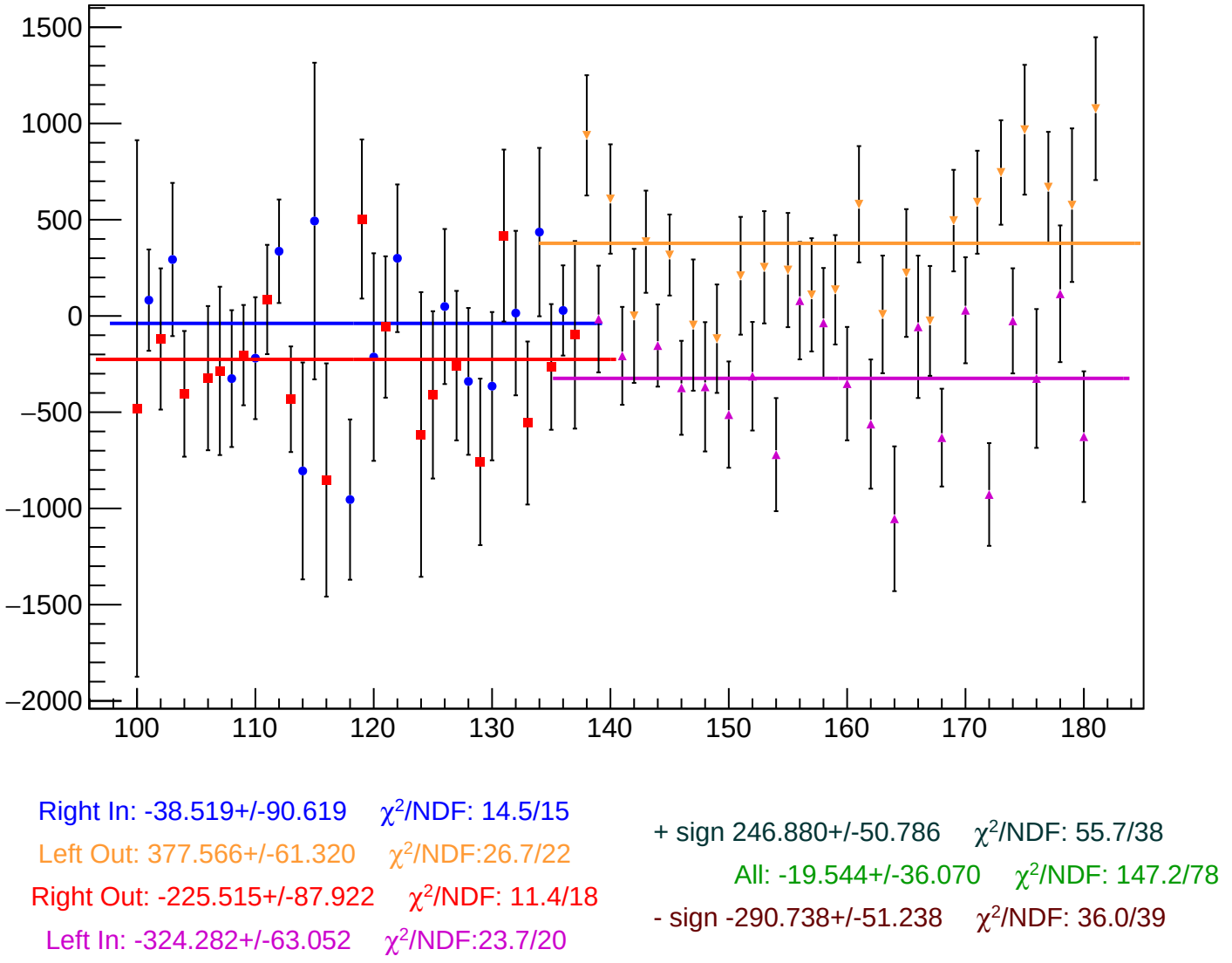
Right Out: 2348.446+/-0.632 χ^2/NDF: 1052421.6/18

Left In: 1999.338+/-0.345 χ^2/NDF:701001.0/20

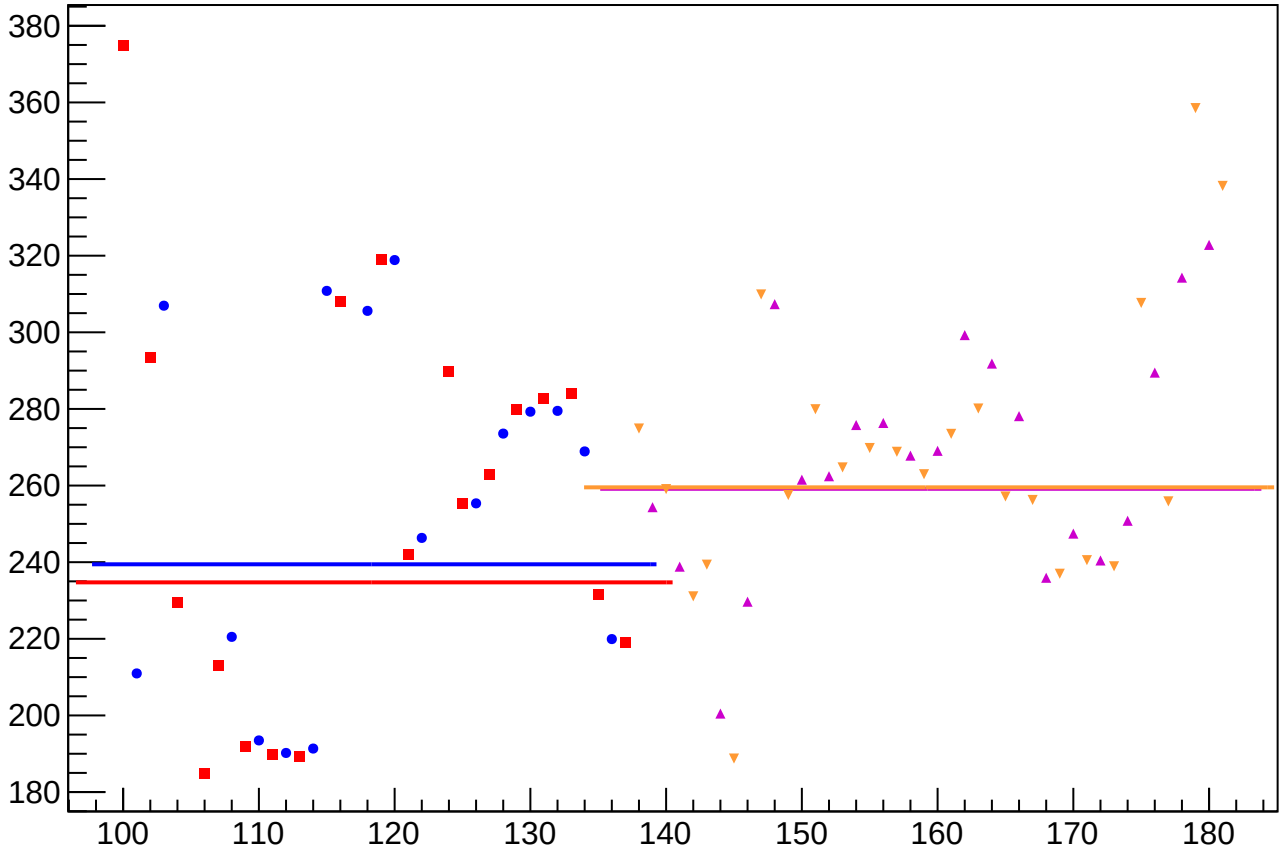
+ sign 2096.795+/-0.301 χ^2/NDF: 2129985.5/38

All: 2088.180+/-0.213 χ^2/NDF: 4119974.5/78

- sign 2079.442+/-0.303 χ^2/NDF: 1988335.8/39


cor_asym_sam4_mean vs Slug
1500
1000
500
0
−500
−1000
−1500
−2000
100
110
120
130
140
150
160
170
180
Right In: -38.519+/-90.619 χ²/NDF: 14.5/15
Left Out: 377.566+/-61.320 χ²/NDF:26.7/22
Right Out: -225.515+/-87.922 χ²/NDF: 11.4/18
Left In: -324.282+/-63.052 χ²/NDF:23.7/20
+ sign 246.880+/-50.786 χ²/NDF: 55.7/38
All: -19.544+/-36.070 χ²/NDF: 147.2/78
- sign -290.738+/-51.238 χ²/NDF: 36.0/39

cor_asym_sam4_rms vs Slug



Right In: 239.449+/-0.064 χ^2/NDF: 400958.1/15

Left Out: 259.534+/-0.043 χ^2/NDF:617902.5/22

Right Out: 234.733+/-0.062 χ^2/NDF: 485238.4/18

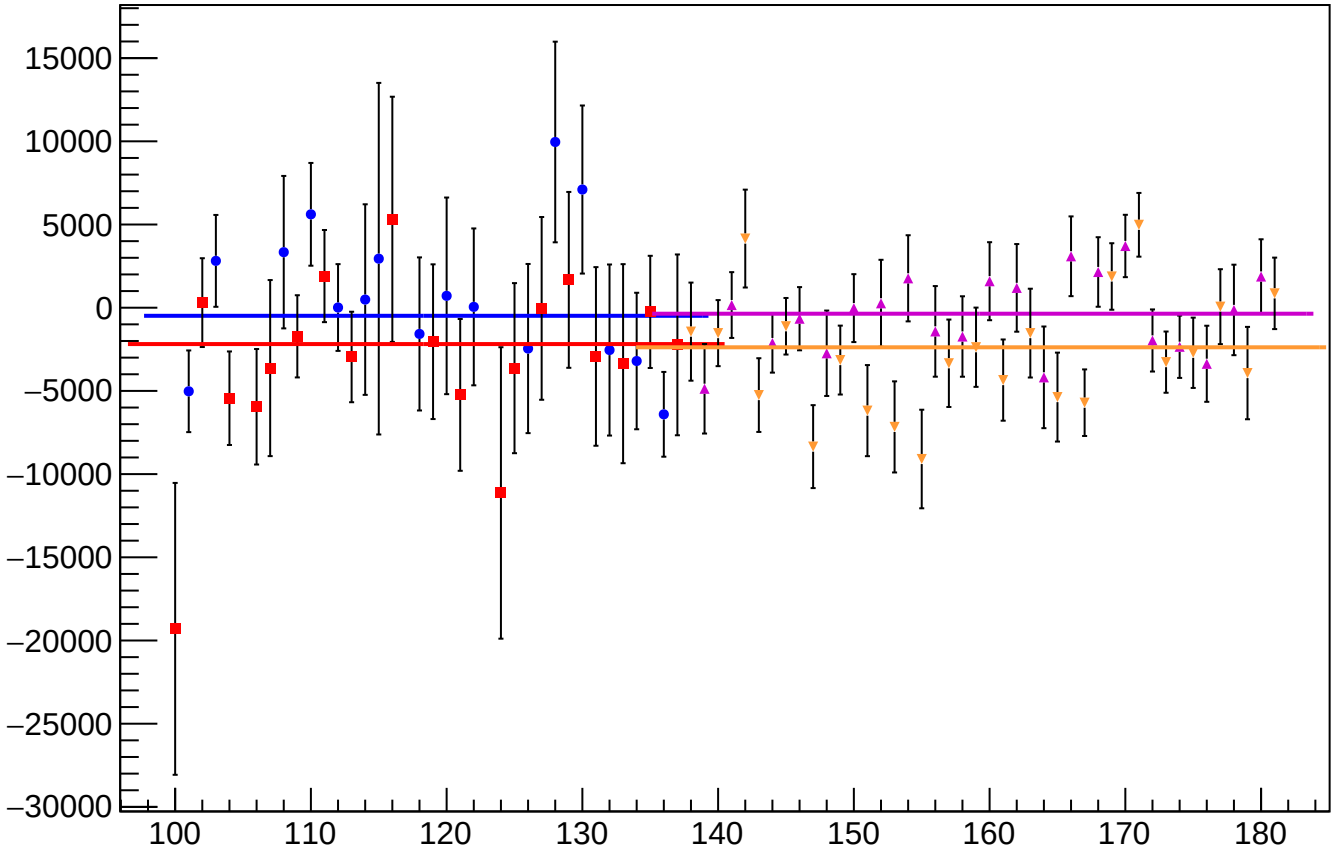
Left In: 259.157+/-0.045 χ^2/NDF:465559.2/20

+ sign 253.226+/-0.036 χ^2/NDF: 1086251.8/38

All: 252.054+/-0.026 χ^2/NDF: 2141117.0/78

- sign 250.862+/-0.036 χ^2/NDF: 1052718.2/39

asym_sam4_cor_correction_mean vs Slug



Right In: -486.103+/-947.467 χ^2/NDF: 21.1/15

Left Out: -2379.131+/-475.902 χ^2/NDF:51.7/22

Right Out: -2184.834+/-895.863 χ^2/NDF: 13.3/18

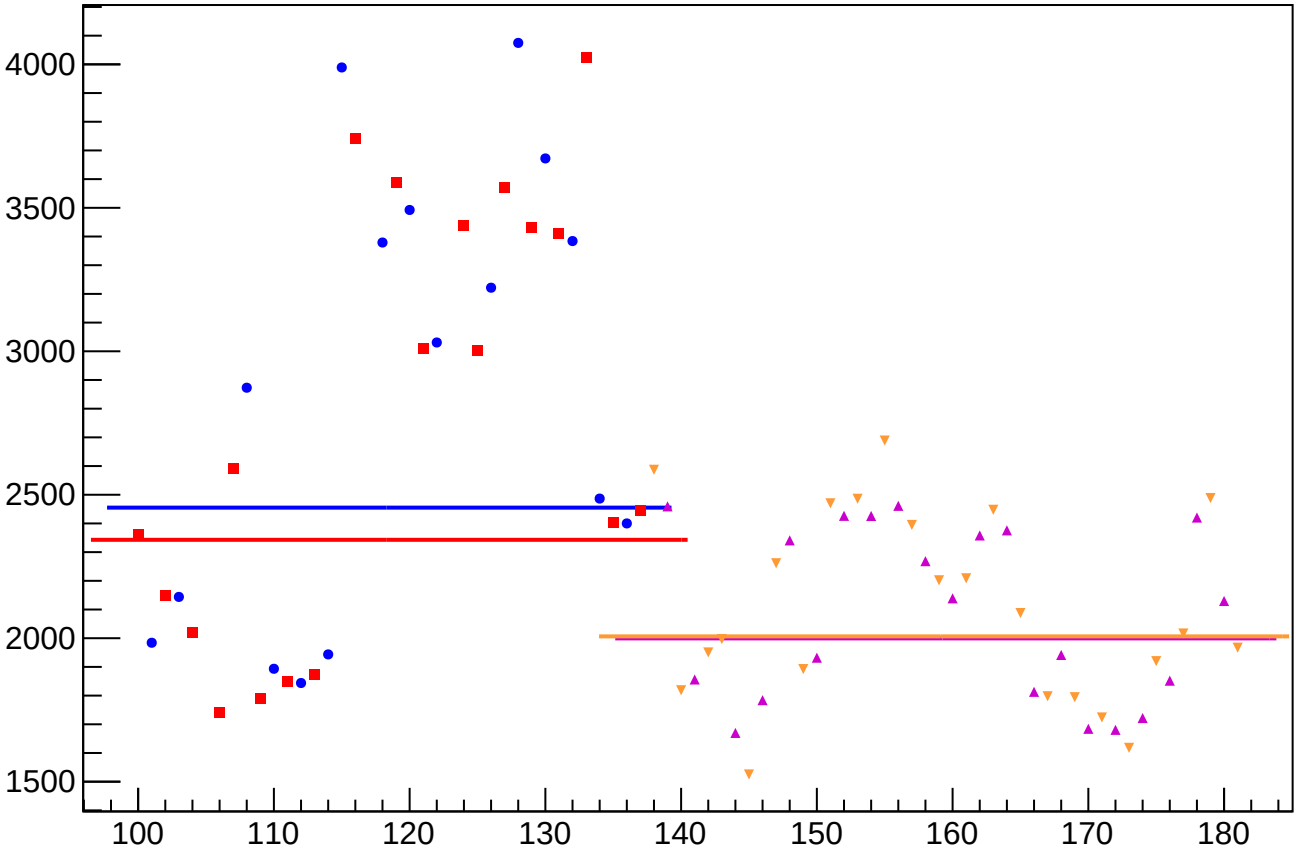
Left In: -360.549+/-487.940 χ^2/NDF:21.4/20

+ sign -1997.751+/-425.270 χ^2/NDF: 76.0/38

All: -1392.454+/-301.848 χ^2/NDF: 118.0/78

- sign -777.917+/-428.504 χ^2/NDF: 37.9/39

asym_sam4_cor_correction_rms vs Slug



Right In: 2455.127+/-0.670 χ^2/NDF: 894358.3/15

Left Out: 2006.394+/-0.337 χ^2/NDF:877393.2/22

Right Out: 2342.955+/-0.633 χ^2/NDF: 1070387.8/18

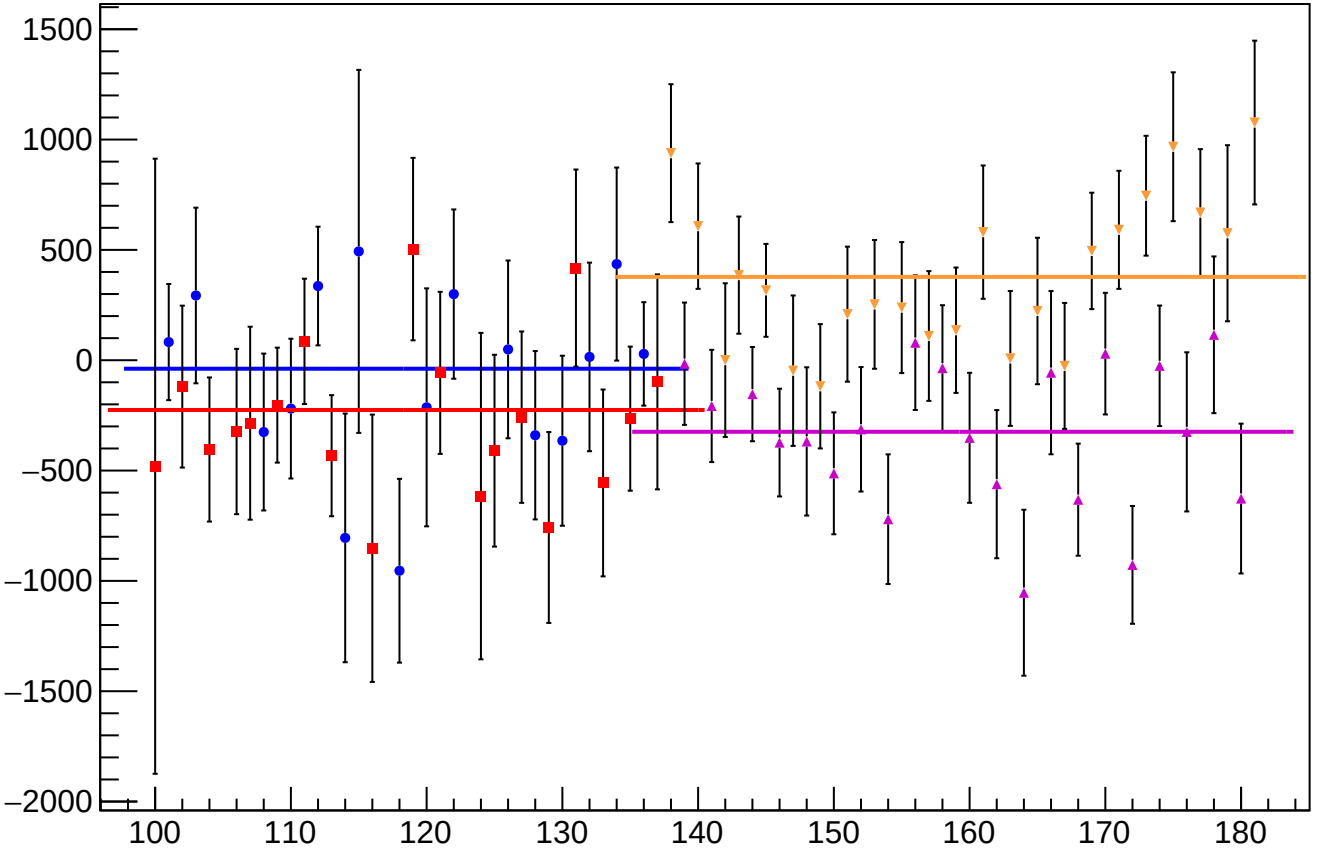
Left In: 1999.339+/-0.345 χ^2/NDF:701001.6/20

+ sign 2096.799+/-0.301 χ^2/NDF: 2129989.1/38

All: 2087.447+/-0.213 χ^2/NDF: 4130246.5/78

- sign 2077.953+/-0.303 χ^2/NDF: 1998308.4/39

eigen_cor_asym_sam4_mean vs Slug



Right In: -38.519+/-90.619 χ^2/NDF: 14.5/15

Left Out: 377.566+/-61.320 χ^2/NDF:26.7/22

Right Out: -225.515+/-87.922 χ^2/NDF: 11.4/18

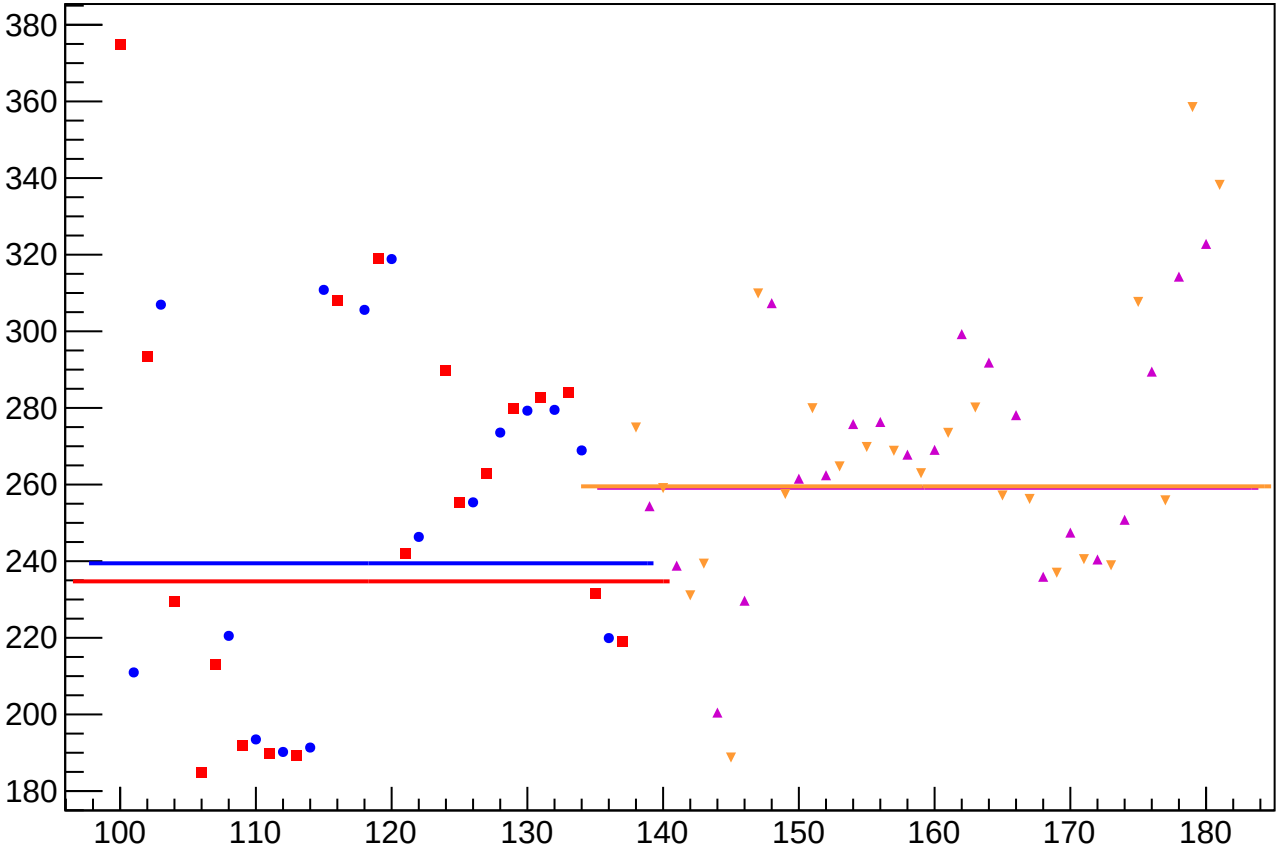
Left In: -324.282+/-63.052 χ^2/NDF:23.7/20

+ sign 246.880+/-50.786 χ^2/NDF: 55.7/38

All: -19.544+/-36.070 χ^2/NDF: 147.2/78

- sign -290.738+/-51.238 χ^2/NDF: 36.0/39

eigen_cor_asym_sam4_rms vs Slug



Right In: 239.449+/-0.064 χ^2/NDF: 400958.1/15

Left Out: 259.534+/-0.043 χ^2/NDF:617902.5/22

Right Out: 234.733+/-0.062 χ^2/NDF: 485238.4/18

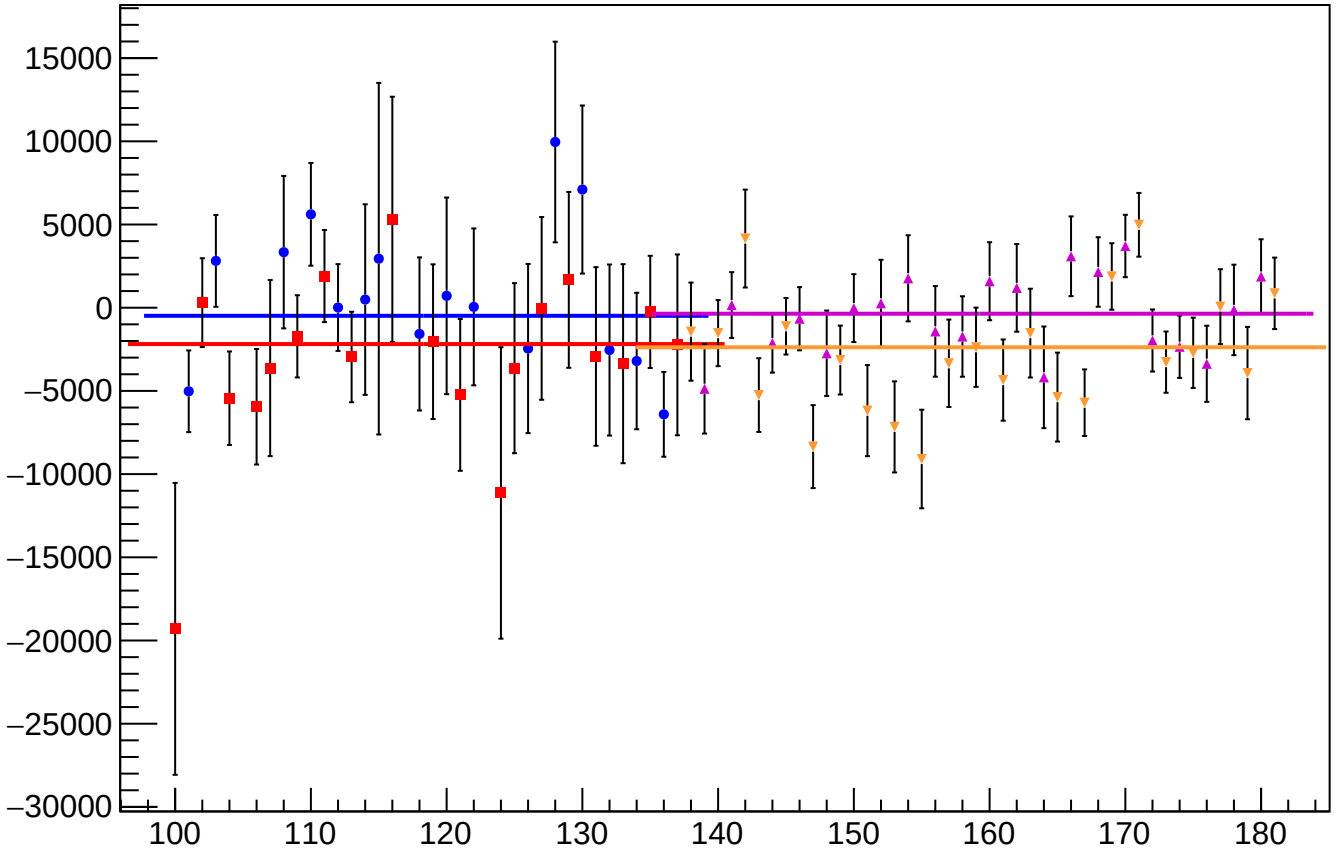
Left In: 259.157+/-0.045 χ^2/NDF:465559.2/20

+ sign 253.226+/-0.036 χ^2/NDF: 1086251.8/38

All: 252.054+/-0.026 χ^2/NDF: 2141117.0/78

- sign 250.862+/-0.036 χ^2/NDF: 1052718.2/39

asym_sam4_eigen_cor_correction_mean vs Slug



Right In: -486.103+/-947.467 χ^2/NDF: 21.1/15

Left Out: -2379.131+/-475.902 χ^2/NDF:51.7/22

Right Out: -2184.834+/-895.863 χ^2/NDF: 13.3/18

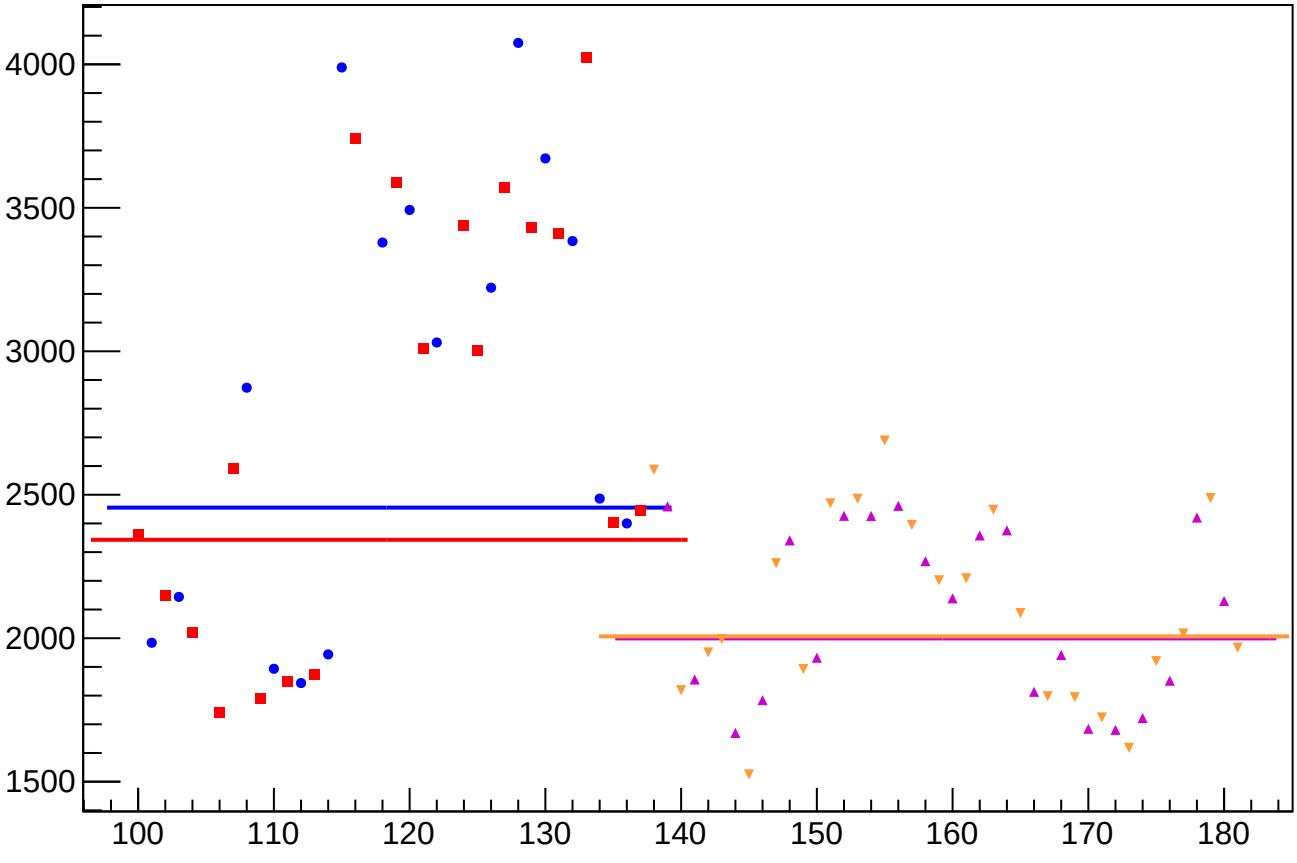
Left In: -360.549+/-487.940 χ^2/NDF:21.4/20

+ sign -1997.751+/-425.270 χ^2/NDF: 76.0/38

All: -1392.454+/-301.848 χ^2/NDF: 118.0/78

- sign -777.917+/-428.504 χ^2/NDF: 37.9/39

asym_sam4_eigen_cor_correction_rms vs Slug



Right In: 2455.127+/-0.670 χ^2/NDF: 894358.3/15

Left Out: 2006.394+/-0.337 χ^2/NDF:877393.2/22

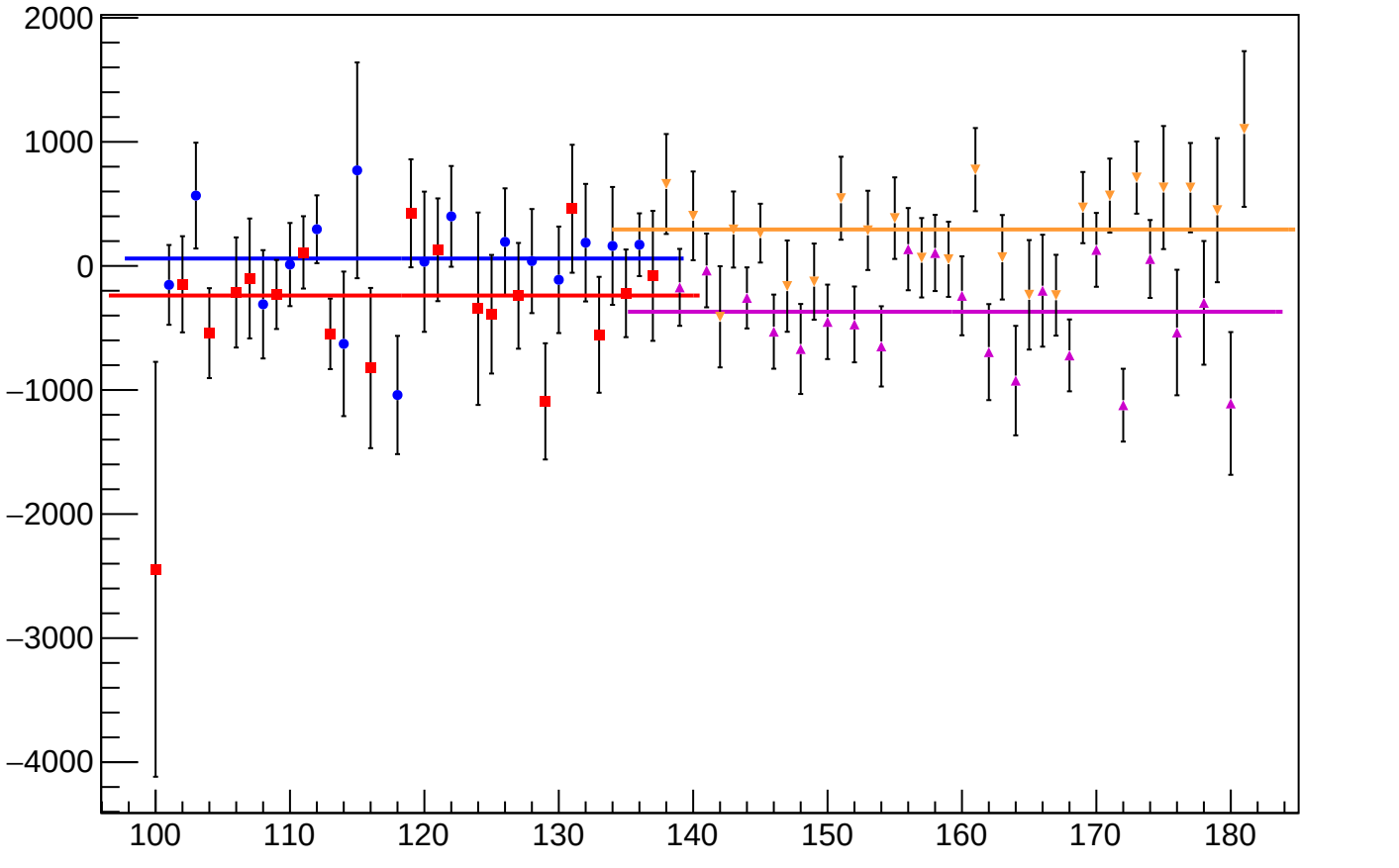
Right Out: 2342.955+/-0.633 χ^2/NDF: 1070387.8/18

Left In: 1999.339+/-0.345 χ^2/NDF:701001.6/20

+ sign 2096.799+/-0.301 χ^2/NDF: 2129989.1/38

All: 2087.447+/-0.213 χ^2/NDF: 4130246.5/78

- sign 2077.953+/-0.303 χ^2/NDF: 1998308.4/39



Right In: 59.728+/-99.230 χ^2/NDF: 12.0/15

Left Out: 293.900+/-70.772 χ^2/NDF:22.1/22

Right Out: -238.516+/-95.062 χ^2/NDF: 14.9/18

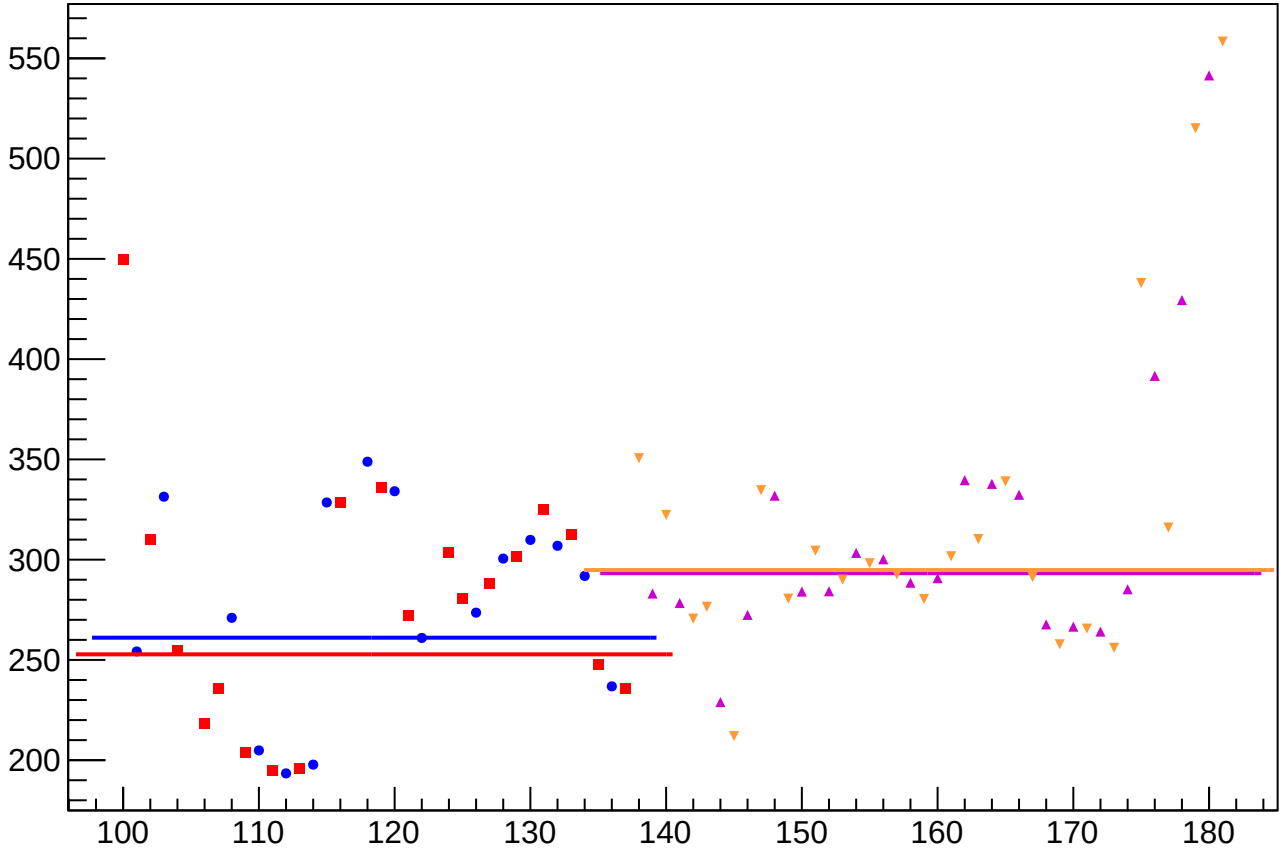
Left In: -369.223+/-72.430 χ^2/NDF:25.5/20

+ sign 214.946+/-57.619 χ^2/NDF: 37.7/38

All: -53.162+/-40.740 χ^2/NDF: 122.7/78

- sign -321.214+/-57.613 χ^2/NDF: 41.7/39

dit_asym_sam4_rms vs Slug



Right In: 261.089+/-0.070 χ^2/NDF: 462662.2/15

Left Out: 294.816+/-0.050 χ^2/NDF:1270960.0/22

Right Out: 252.787+/-0.067 χ^2/NDF: 537290.6/18

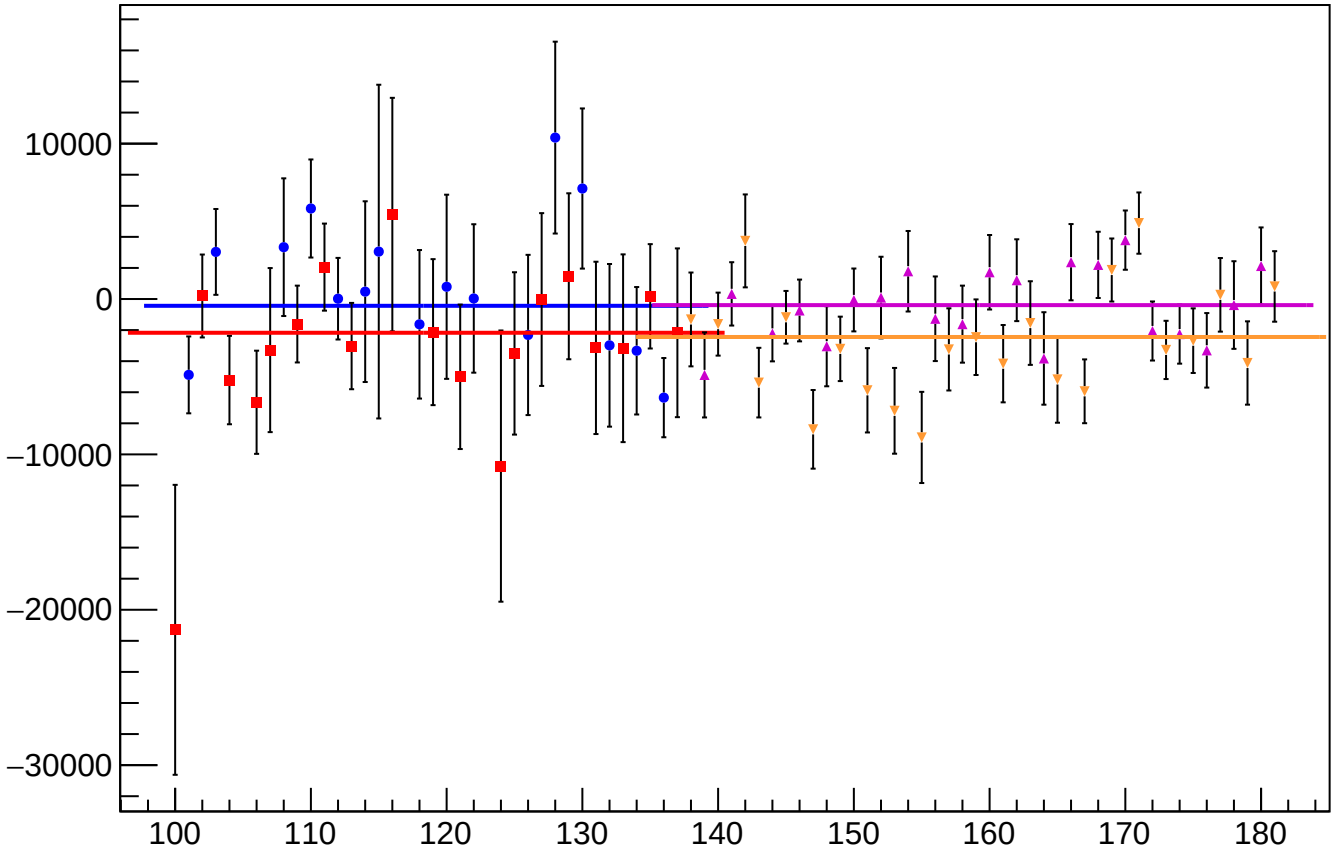
Left In: 293.262+/-0.051 χ^2/NDF:896977.3/20

+ sign 283.444+/-0.041 χ^2/NDF: 1886772.1/38

All: 280.920+/-0.029 χ^2/NDF: 3558109.7/78

- sign 278.395+/-0.041 χ^2/NDF: 1663657.5/39

asym_sam4_dit_correction_mean vs Slug



Right In: -436.732+/-955.134 χ^2/NDF: 21.2/15

Left Out: -2443.837+/-482.852 χ^2/NDF:48.8/22

Right Out: -2172.091+/-901.102 χ^2/NDF: 14.0/18

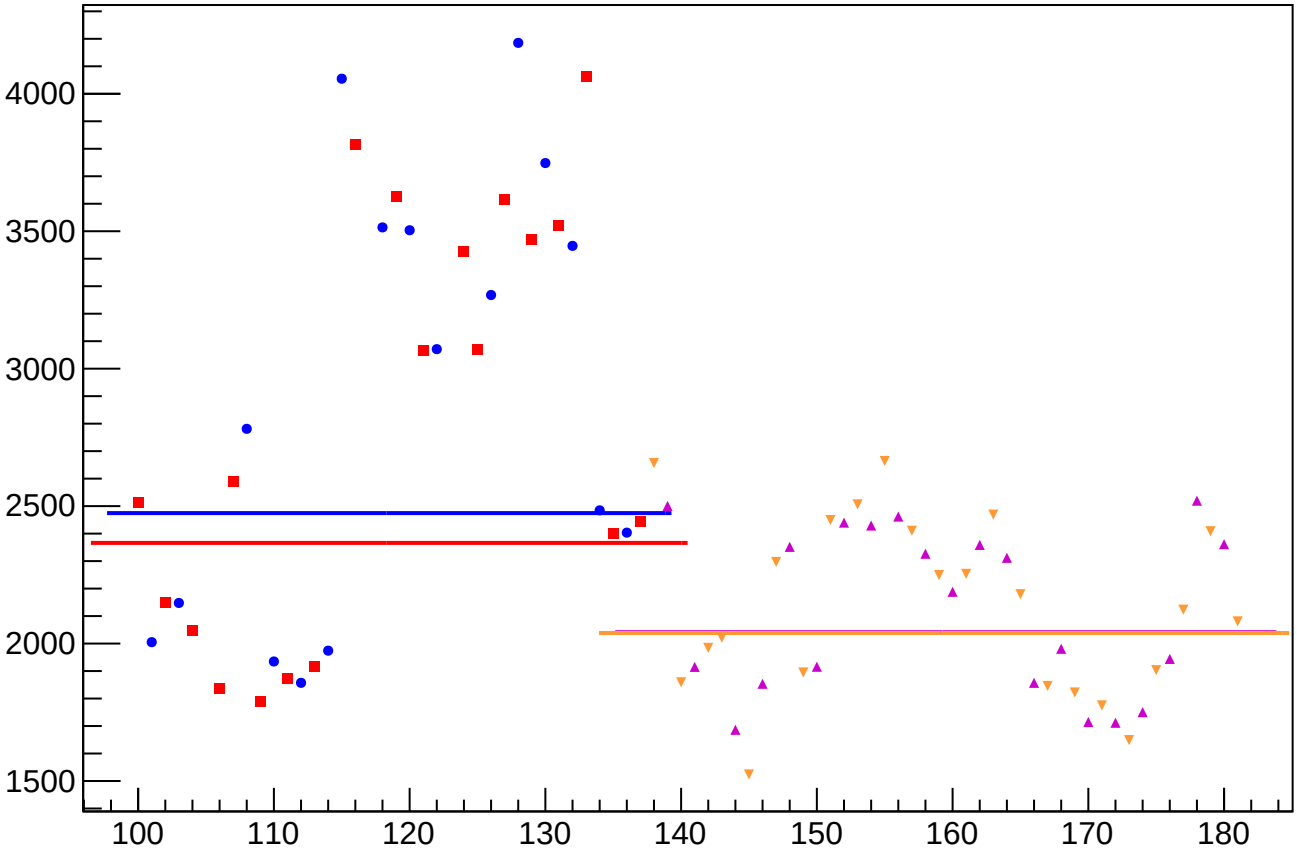
Left In: -392.939+/-498.067 χ^2/NDF:20.3/20

+ sign -2035.301+/-430.918 χ^2/NDF: 73.5/38

All: -1429.357+/-306.455 χ^2/NDF: 114.8/78

- sign -809.291+/-435.911 χ^2/NDF: 37.3/39

asym_sam4_dit_correction_rms vs Slug



Right In: 2474.622+/-0.675 χ^2/NDF: 916250.9/15

Left Out: 2038.475+/-0.341 χ^2/NDF:847612.3/22

Right Out: 2366.221+/-0.637 χ^2/NDF: 1077175.3/18

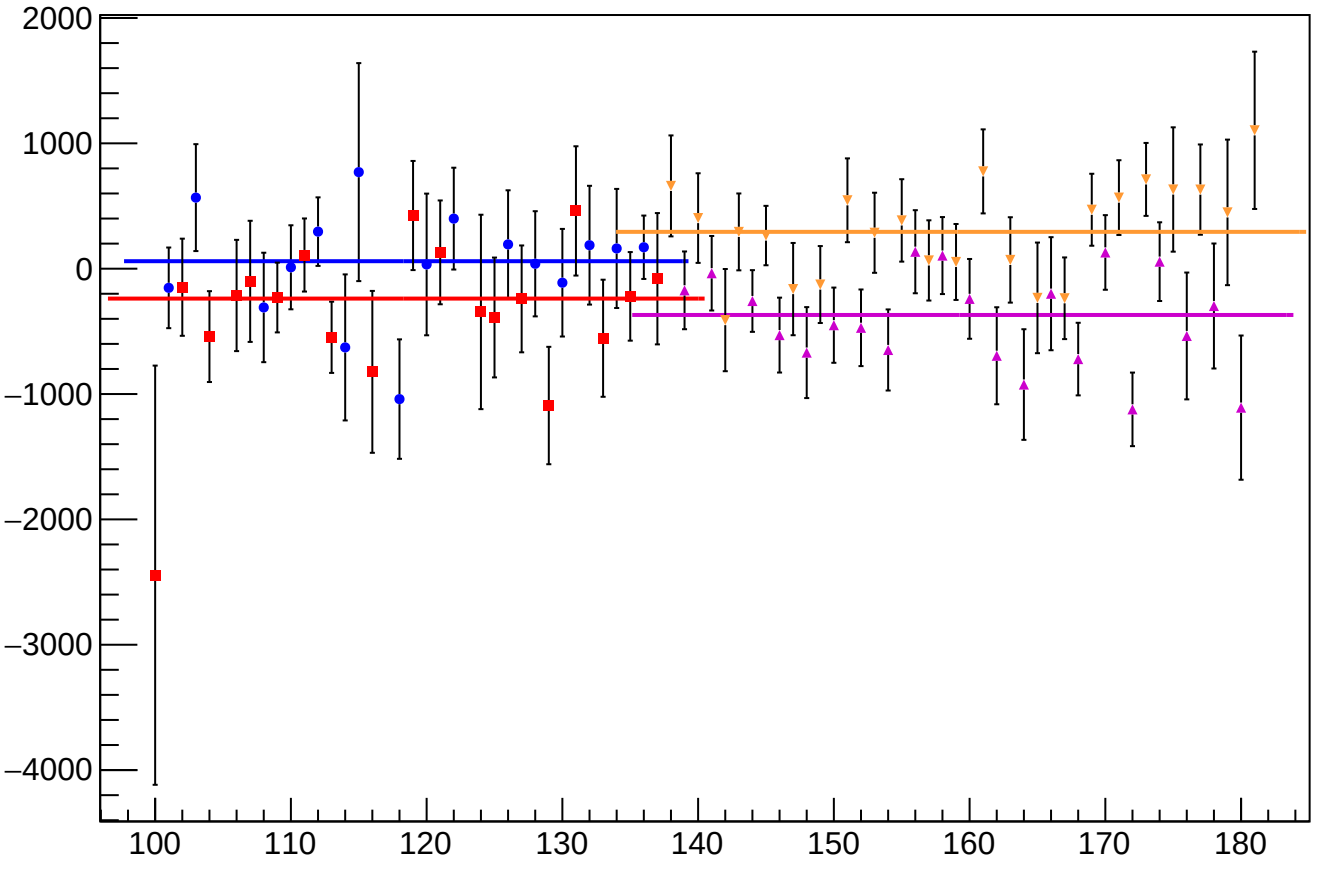
Left In: 2041.354+/-0.352 χ^2/NDF:687605.2/20

+ sign 2127.251+/-0.305 χ^2/NDF: 2096008.0/38

All: 2122.372+/-0.217 χ^2/NDF: 4060426.0/78

- sign 2117.379+/-0.308 χ^2/NDF: 1963899.2/39

eigen_dit_asym_sam4_mean vs Slug



Right In: 59.734+/-99.230 χ^2/NDF: 12.0/15

Left Out: 293.905+/-70.772 χ^2/NDF:22.1/22

Right Out: -238.515+/-95.062 χ^2/NDF: 14.9/18

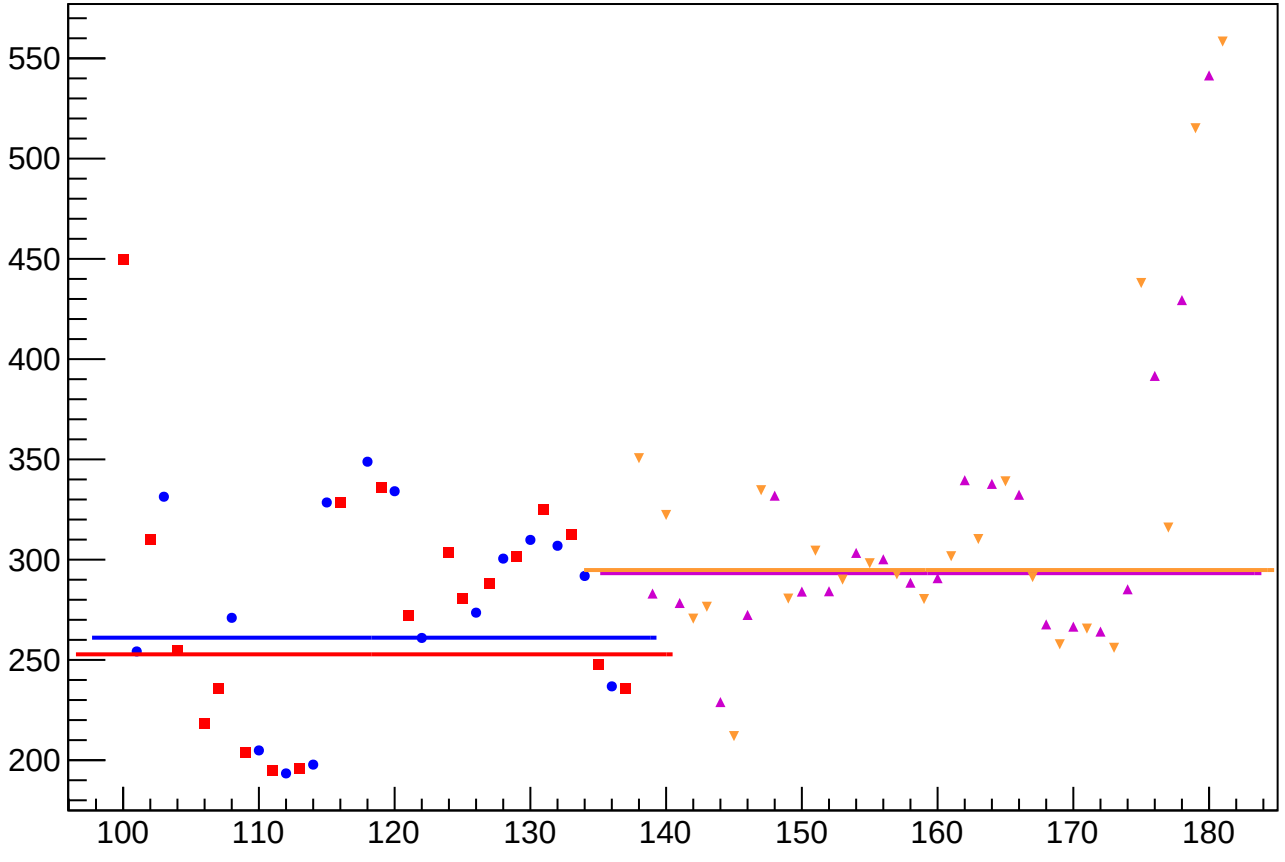
Left In: -369.224+/-72.430 χ^2/NDF:25.5/20

+ sign 214.950+/-57.619 χ^2/NDF: 37.7/38

All: -53.160+/-40.740 χ^2/NDF: 122.7/78

- sign -321.215+/-57.613 χ^2/NDF: 41.7/39

eigen_dit_asym_sam4_rms vs Slug



Right In: 261.089+/-0.070 χ^2/NDF: 462665.3/15

Left Out: 294.816+/-0.050 χ^2/NDF:1270958.6/22

Right Out: 252.787+/-0.067 χ^2/NDF: 537293.8/18

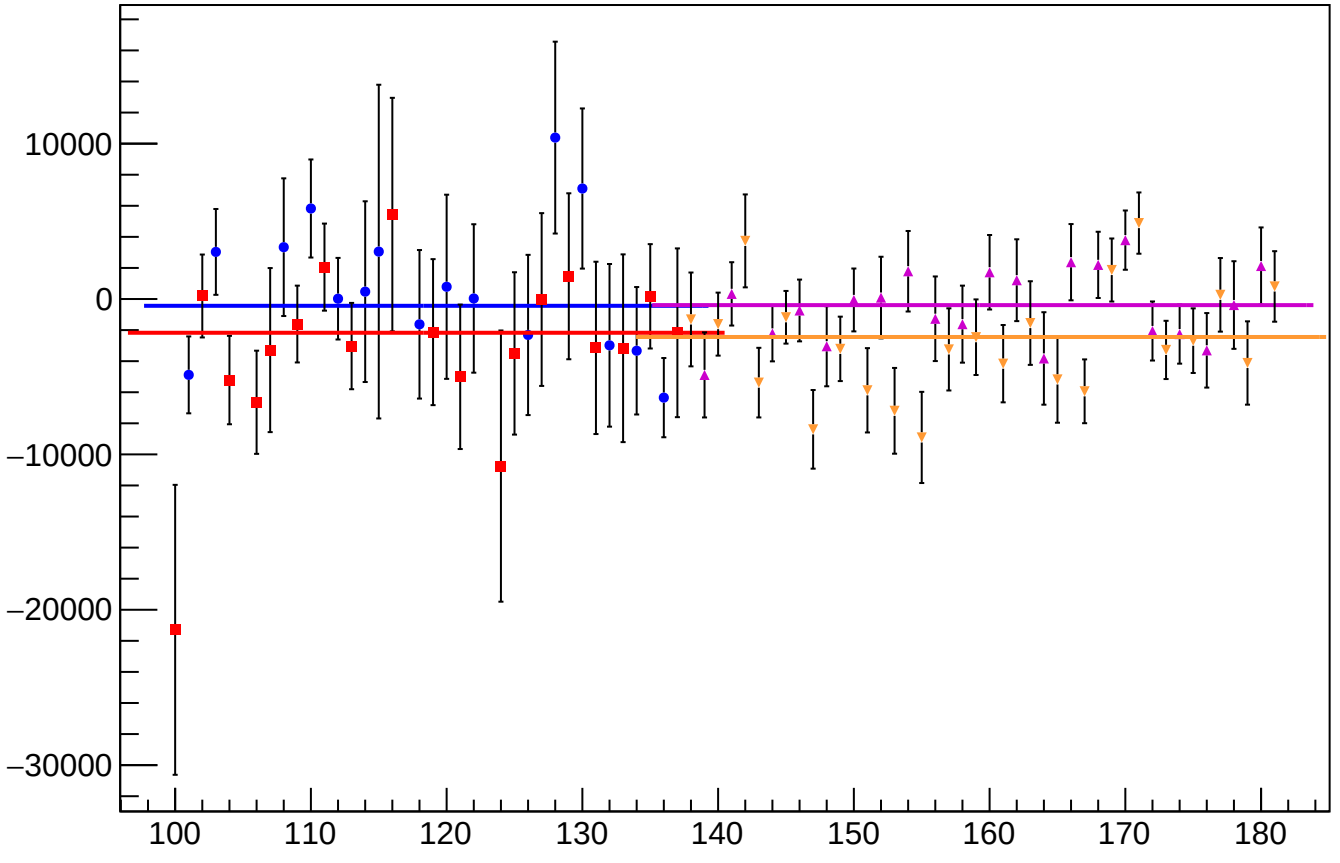
Left In: 293.262+/-0.051 χ^2/NDF:896958.0/20

+ sign 283.445+/-0.041 χ^2/NDF: 1886775.7/38

All: 280.920+/-0.029 χ^2/NDF: 3558100.6/78

- sign 278.395+/-0.041 χ^2/NDF: 1663644.6/39

asym_sam4_eigen_dit_correction_mean vs Slug



Right In: -436.731+/-955.133 χ^2/NDF: 21.2/15

Left Out: -2443.831+/-482.851 χ^2/NDF:48.8/22

Right Out: -2172.089+/-901.101 χ^2/NDF: 14.0/18

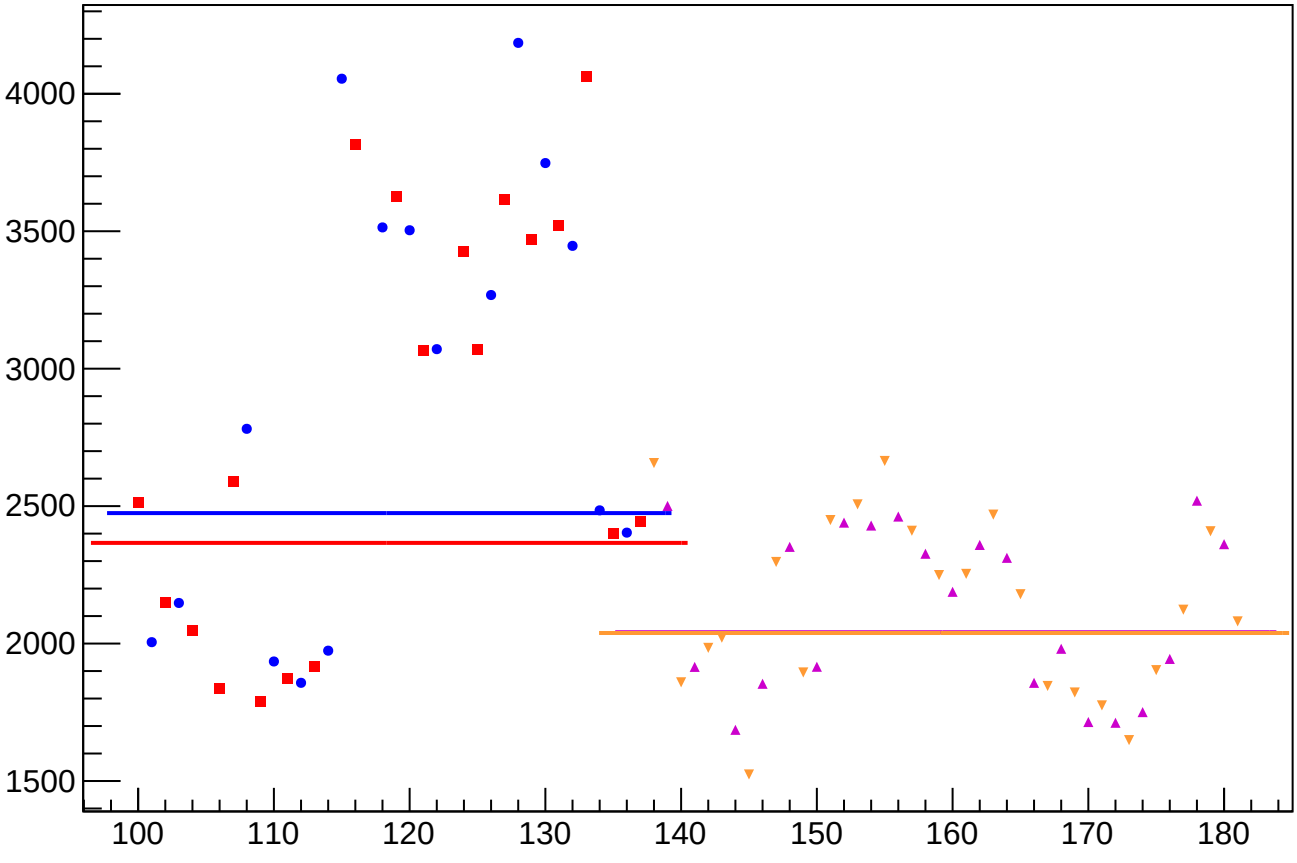
Left In: -392.936+/-498.067 χ^2/NDF:20.3/20

+ sign -2035.297+/-430.917 χ^2/NDF: 73.5/38

All: -1429.354+/-306.455 χ^2/NDF: 114.8/78

- sign -809.288+/-435.910 χ^2/NDF: 37.3/39

asym_sam4_eigen_dit_correction_rms vs Slug



Right In: 2474.620+/-0.675 χ^2/NDF: 916254.1/15

Left Out: 2038.472+/-0.341 χ^2/NDF:847614.4/22

Right Out: 2366.219+/-0.637 χ^2/NDF: 1077177.7/18

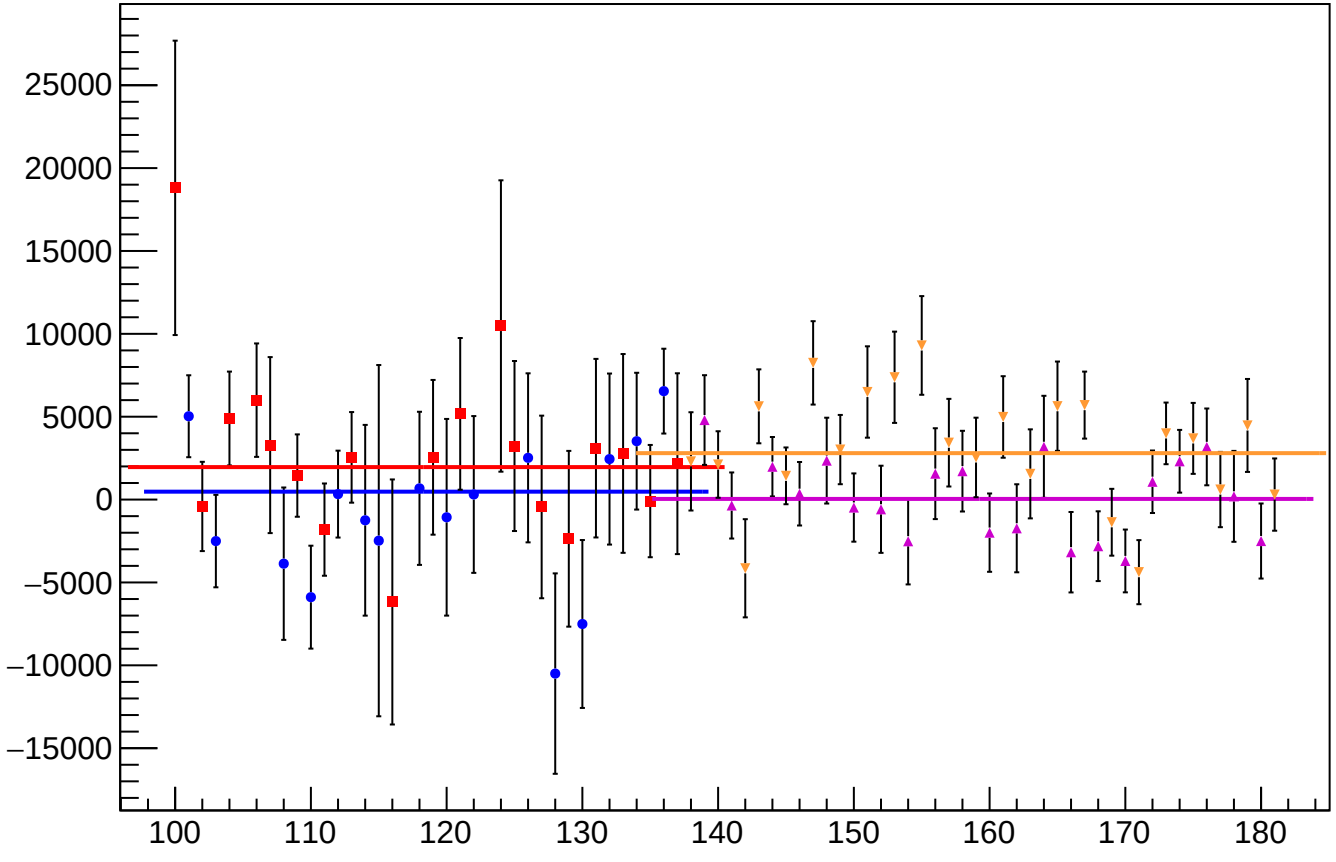
Left In: 2041.351+/-0.352 χ^2/NDF:687603.3/20

+ sign 2127.248+/-0.305 χ^2/NDF: 2096016.2/38

All: 2122.369+/-0.217 χ^2/NDF: 4060436.7/78

- sign 2117.376+/-0.308 χ^2/NDF: 1963901.7/39

asym_sam4_mean vs Slug



Right In: 477.284+/-952.752 χ^2/NDF: 22.1/15

Left Out: 2801.508+/-480.199 χ^2/NDF:47.4/22

Right Out: 1959.491+/-899.702 χ^2/NDF: 12.8/18

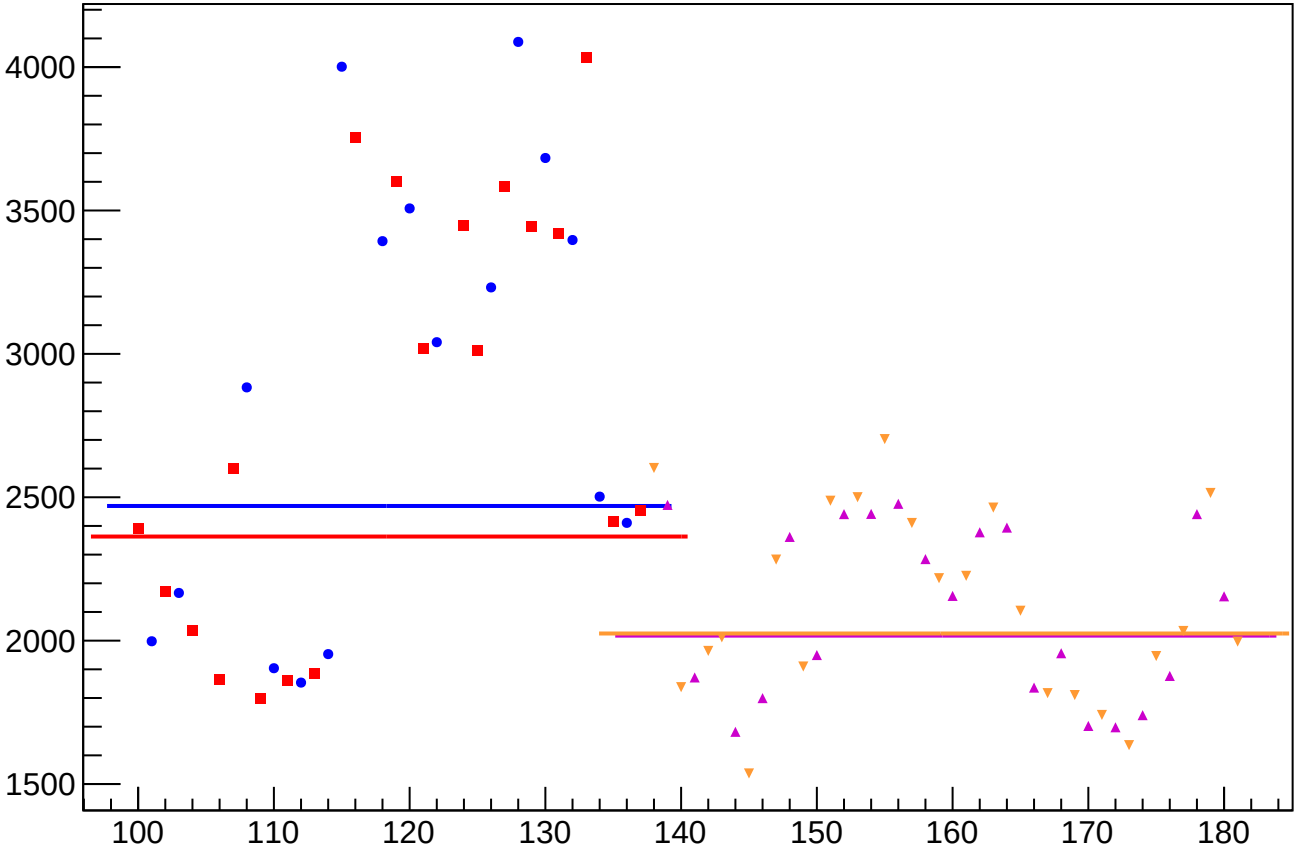
Left In: 39.539+/-492.298 χ^2/NDF:21.6/20

+ sign 2330.691+/-428.812 χ^2/NDF: 74.3/38

All: 1412.883+/-304.292 χ^2/NDF: 121.4/78

- sign 481.928+/-431.873 χ^2/NDF: 37.9/39

asym_sam4_rms vs Slug



Right In: 2469.639+/-0.674 χ^2/NDF: 886179.0/15

Left Out: 2024.945+/-0.340 χ^2/NDF:866007.7/22

Right Out: 2363.052+/-0.636 χ^2/NDF: 1043344.3/18

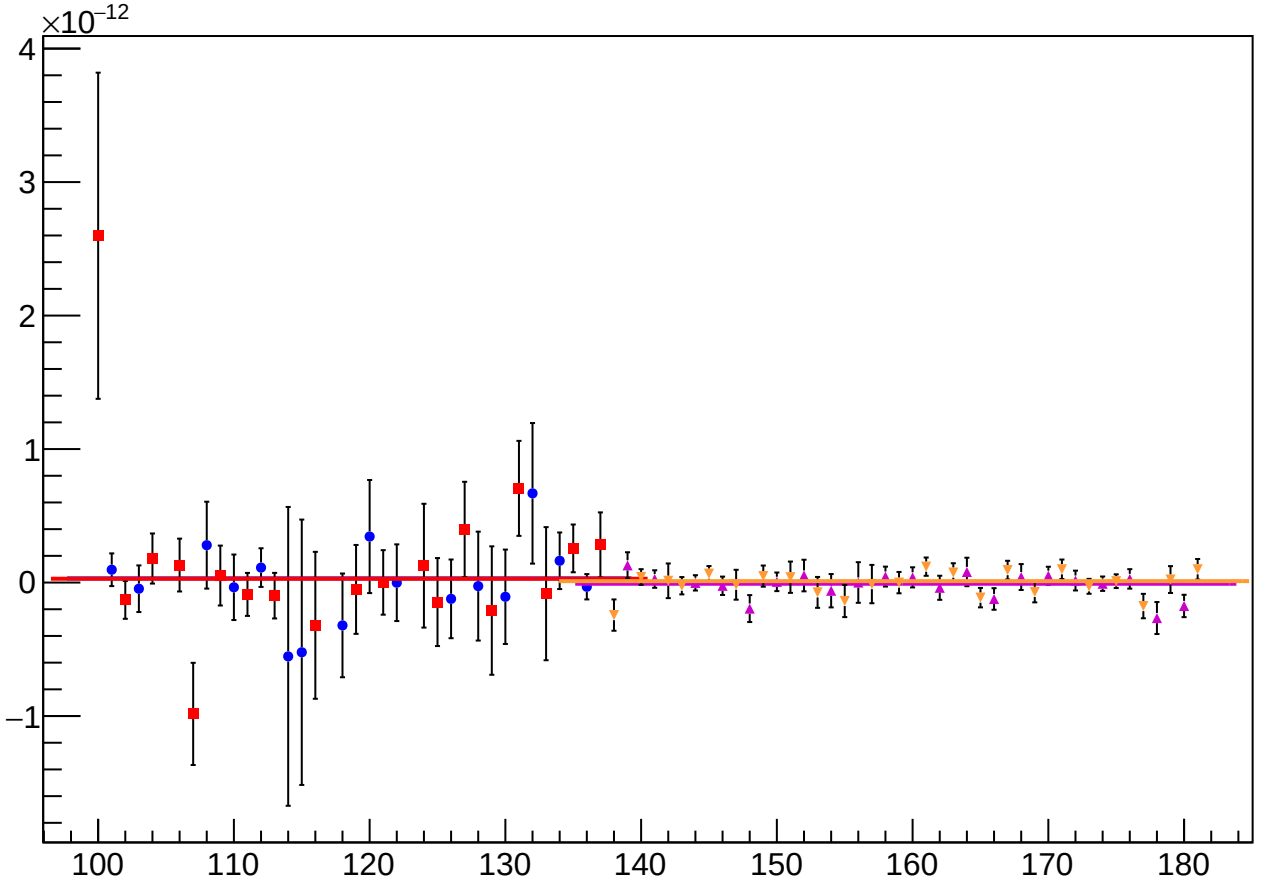
Left In: 2017.567+/-0.348 χ^2/NDF:690843.5/20

+ sign 2115.026+/-0.303 χ^2/NDF: 2099631.0/38

All: 2106.163+/-0.215 χ^2/NDF: 4062499.3/78

- sign 2097.173+/-0.305 χ^2/NDF: 1961147.1/39

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:24.8/22

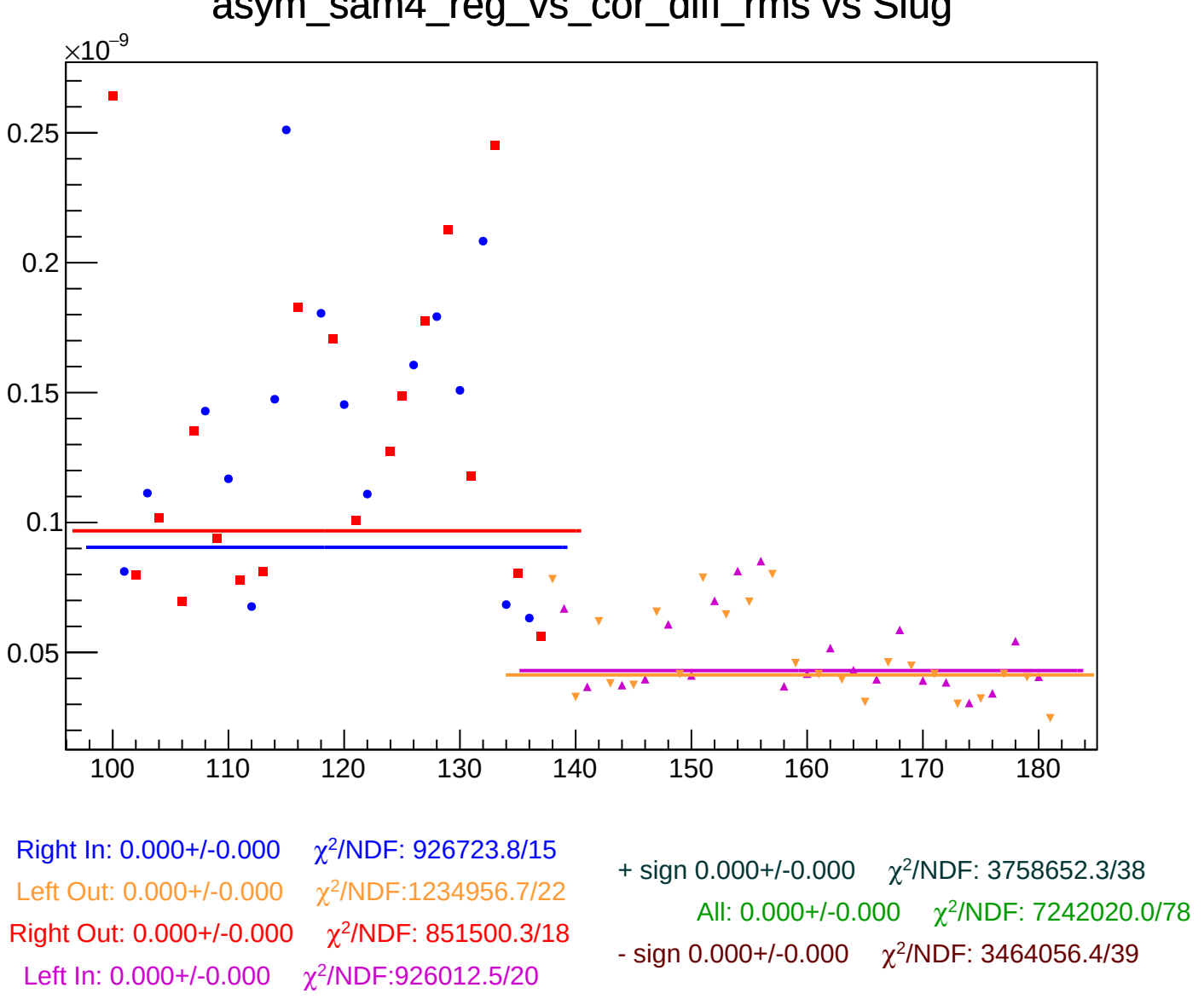
Right Out: 0.000+/-0.000 χ^2/NDF: 23.2/18

Left In: -0.000+/-0.000 χ^2/NDF:19.9/20

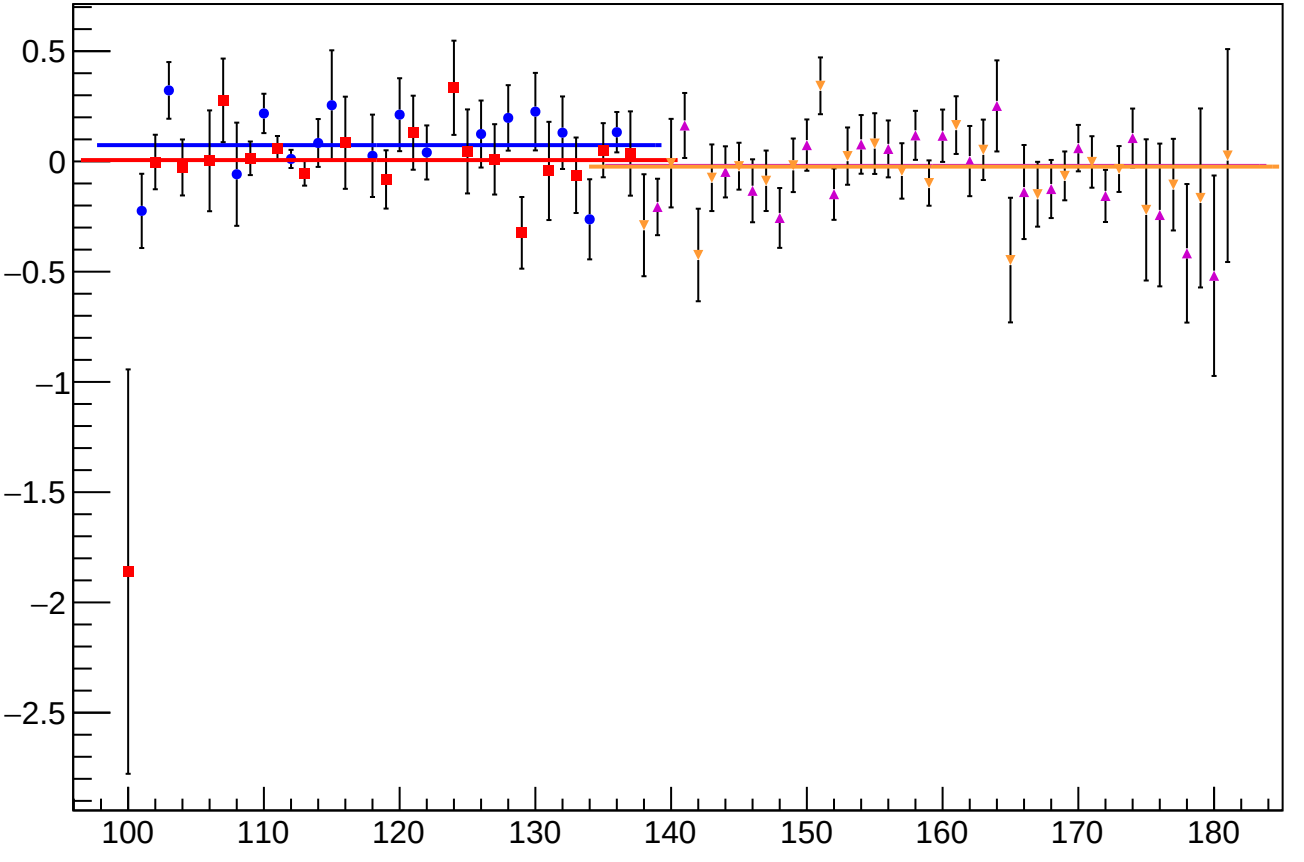
+ sign 0.000+/-0.000 χ^2/NDF: 31.1/38

All: 0.000+/-0.000 χ^2/NDF: 75.1/78

- sign -0.000+/-0.000 χ^2/NDF: 43.5/39


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:1234956.7/22
Right Out: 0.000+/-0.000 χ²/NDF: 851500.3/18
Left In: 0.000+/-0.000 χ²/NDF:926012.5/20
+ sign 0.000+/-0.000 χ²/NDF: 3758652.3/38
All: 0.000+/-0.000 χ²/NDF: 7242020.0/78
- sign 0.000+/-0.000 χ²/NDF: 3464056.4/39

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:20.9/22

Right Out: 0.006+/-0.027 χ^2/NDF: 16.4/18

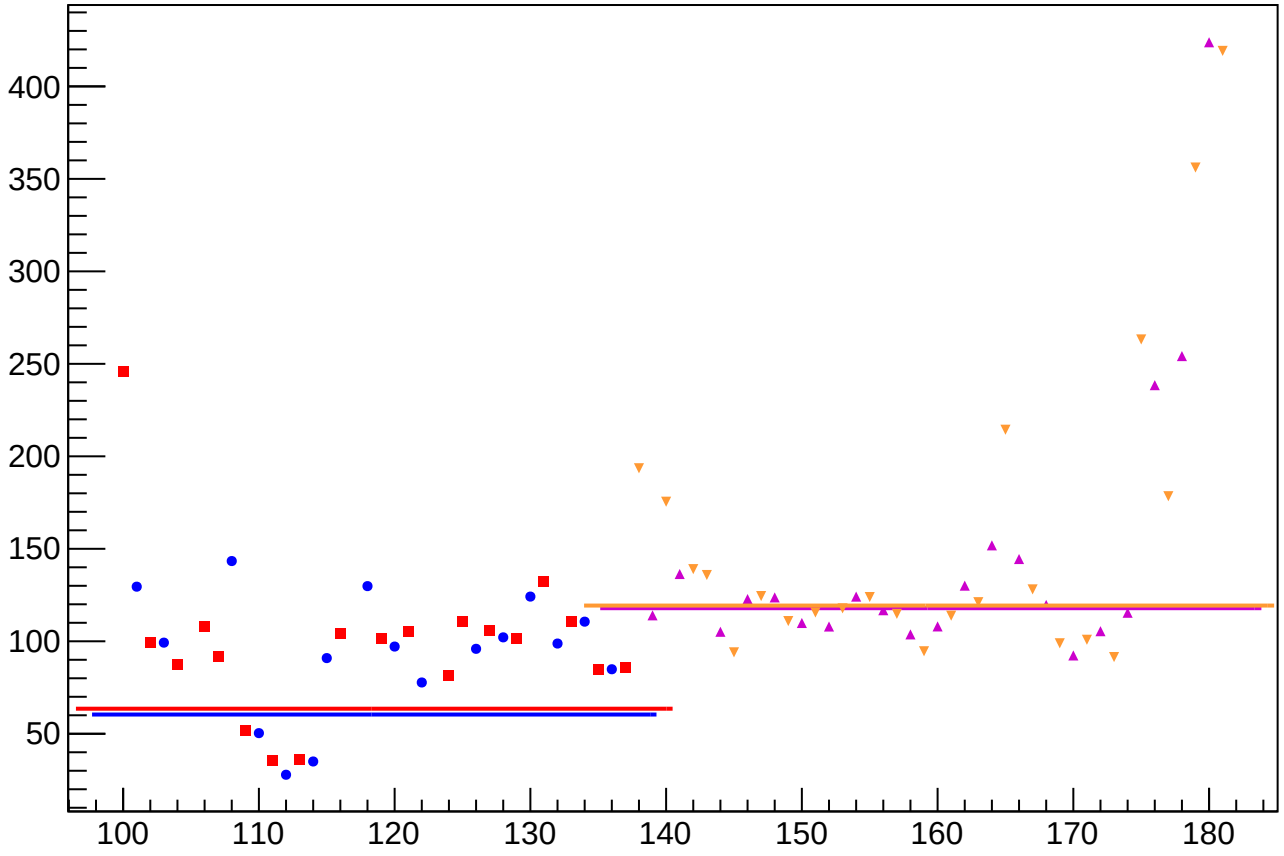
Left In: -0.020+/-0.030 χ^2/NDF:21.8/20

+ sign 0.030+/-0.020 χ^2/NDF: 45.7/38

All: 0.012+/-0.014 χ^2/NDF: 85.9/78

- sign -0.005+/-0.020 χ^2/NDF: 38.6/39

asym_sam4_dit_vs_cor_diff_rms vs Slug



Right In: 60.401+/-0.019 χ^2/NDF: 3538126.0/15

Left Out: 119.314+/-0.021 χ^2/NDF:3167875.0/22

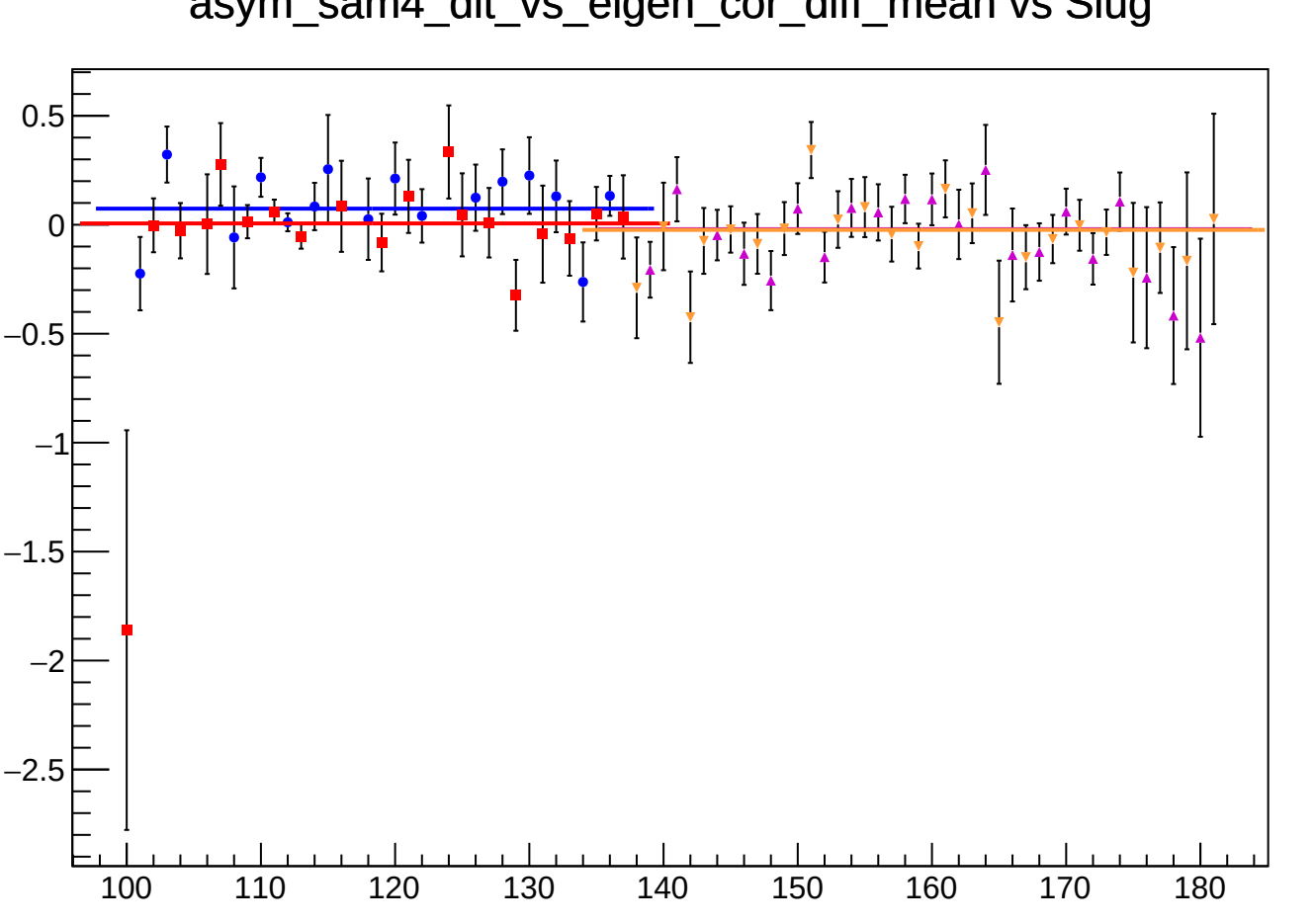
Right Out: 63.553+/-0.019 χ^2/NDF: 2654516.9/18

Left In: 117.888+/-0.021 χ^2/NDF:1936084.7/20

+ sign 86.773+/-0.014 χ^2/NDF: 10964698.4/38

All: 87.081+/-0.010 χ^2/NDF: 19154447.1/78

- sign 87.389+/-0.014 χ^2/NDF: 8188809.2/39



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.024+/-0.030 χ^2/NDF:20.9/22

Right Out: 0.006+/-0.027 χ^2/NDF: 16.4/18

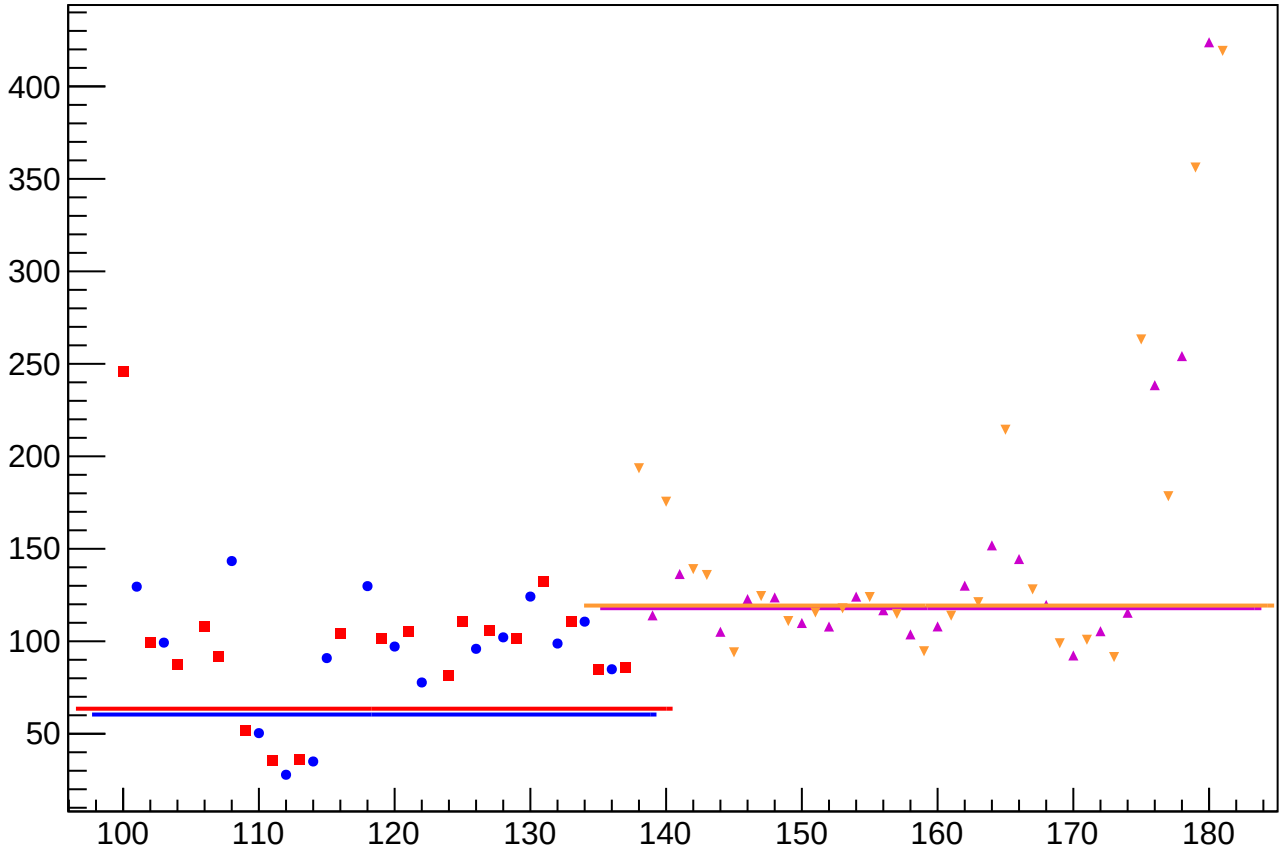
Left In: -0.020+/-0.030 χ^2/NDF:21.8/20

+ sign 0.030+/-0.020 χ^2/NDF: 45.7/38

All: 0.012+/-0.014 χ^2/NDF: 85.9/78

- sign -0.005+/-0.020 χ^2/NDF: 38.6/39

asym_sam4_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 60.401+/-0.019 χ^2/NDF: 3538126.0/15

Left Out: 119.314+/-0.021 χ^2/NDF:3167875.0/22

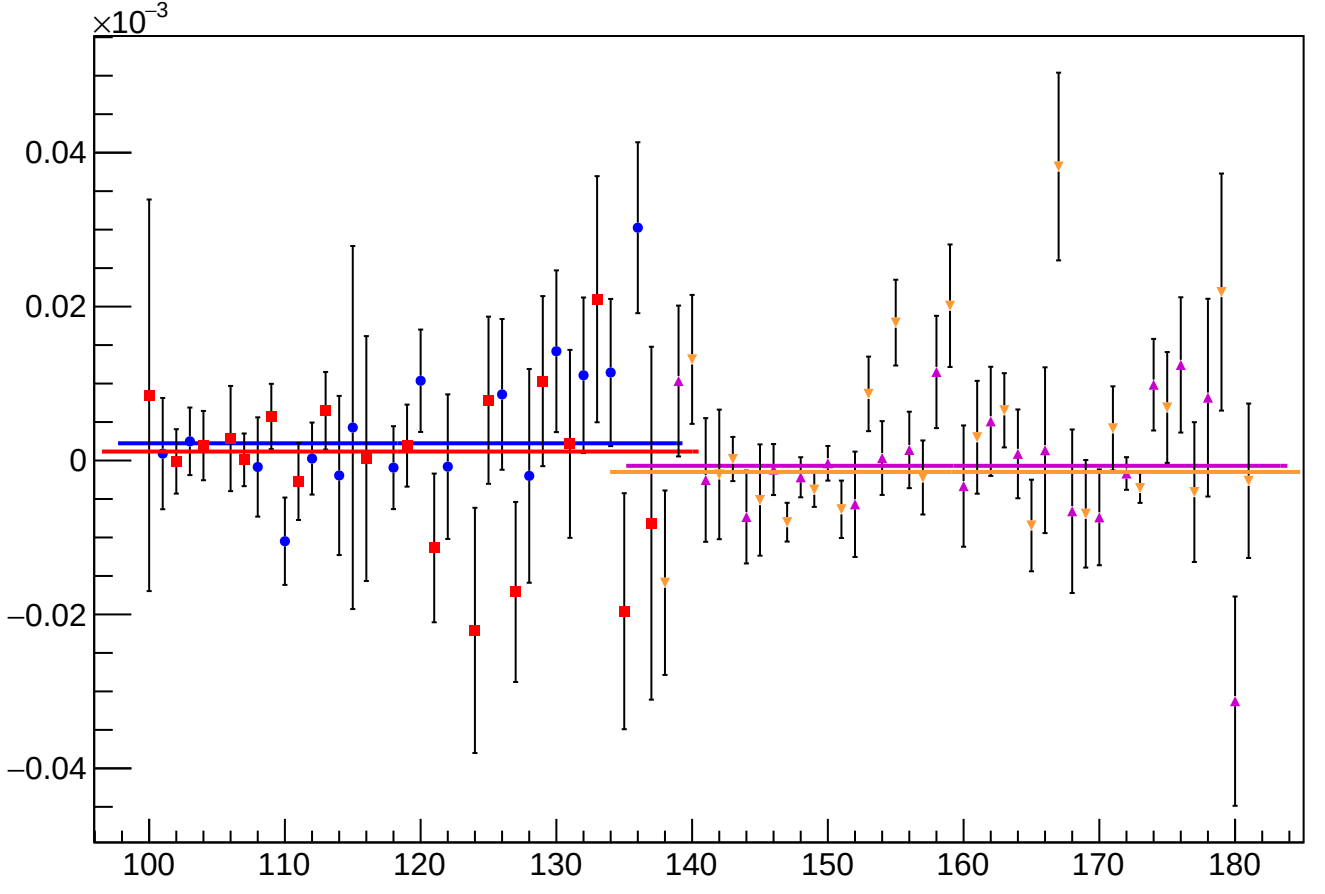
Right Out: 63.553+/-0.019 χ^2/NDF: 2654516.9/18

Left In: 117.888+/-0.021 χ^2/NDF:1936084.7/20

+ sign 86.773+/-0.014 χ^2/NDF: 10964698.4/38

All: 87.081+/-0.010 χ^2/NDF: 19154447.1/78

- sign 87.389+/-0.014 χ^2/NDF: 8188809.2/39



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

Left Out: -0.000+/-0.000 χ^2/NDF:60.1/22

Right Out: 0.000+/-0.000 χ^2/NDF: 14.1/18

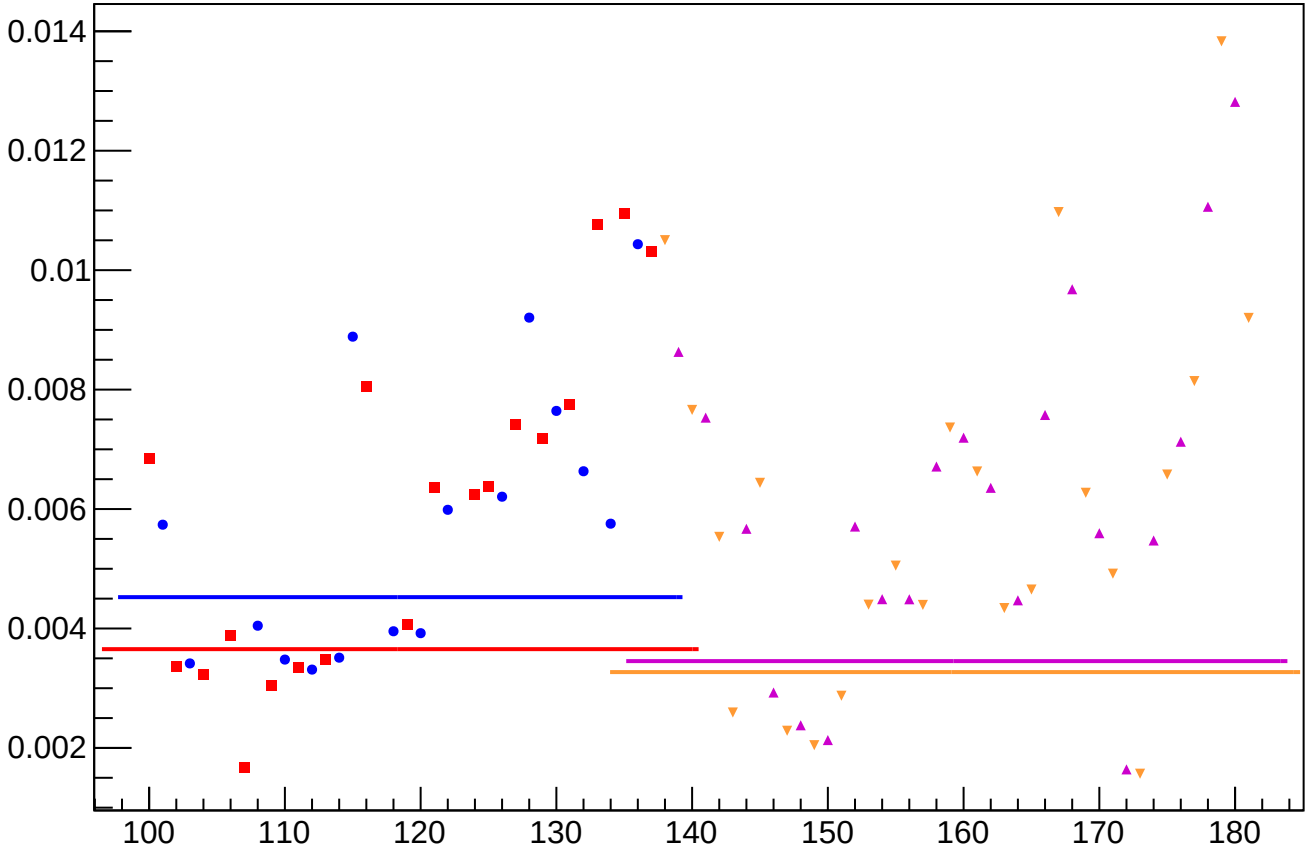
Left In: -0.000+/-0.000 χ^2/NDF:19.9/20

+ sign -0.000+/-0.000 χ^2/NDF: 81.0/38

All: -0.000+/-0.000 χ^2/NDF: 116.3/78

- sign -0.000+/-0.000 χ^2/NDF: 35.1/39

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:9960870.8/22

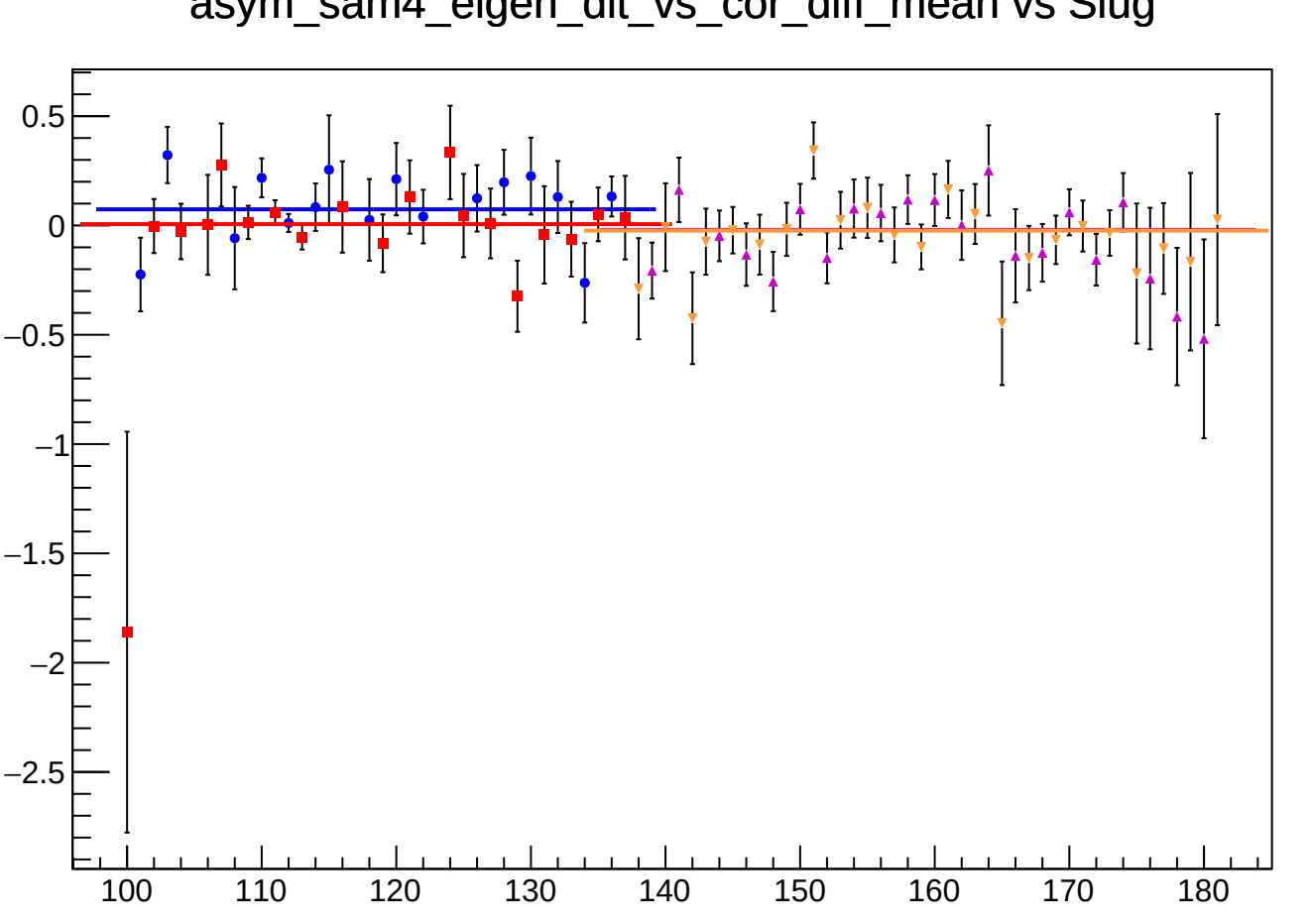
Right Out: 0.004+/-0.000 χ^2/NDF: 2933246.9/18

Left In: 0.003+/-0.000 χ^2/NDF:8976127.7/20

+ sign 0.004+/-0.000 χ^2/NDF: 12448107.6/38

All: 0.004+/-0.000 χ^2/NDF: 24382243.7/78

- sign 0.004+/-0.000 χ^2/NDF: 11934037.0/39



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.024+/-0.030 χ^2/NDF:20.9/22

Right Out: 0.006+/-0.027 χ^2/NDF: 16.4/18

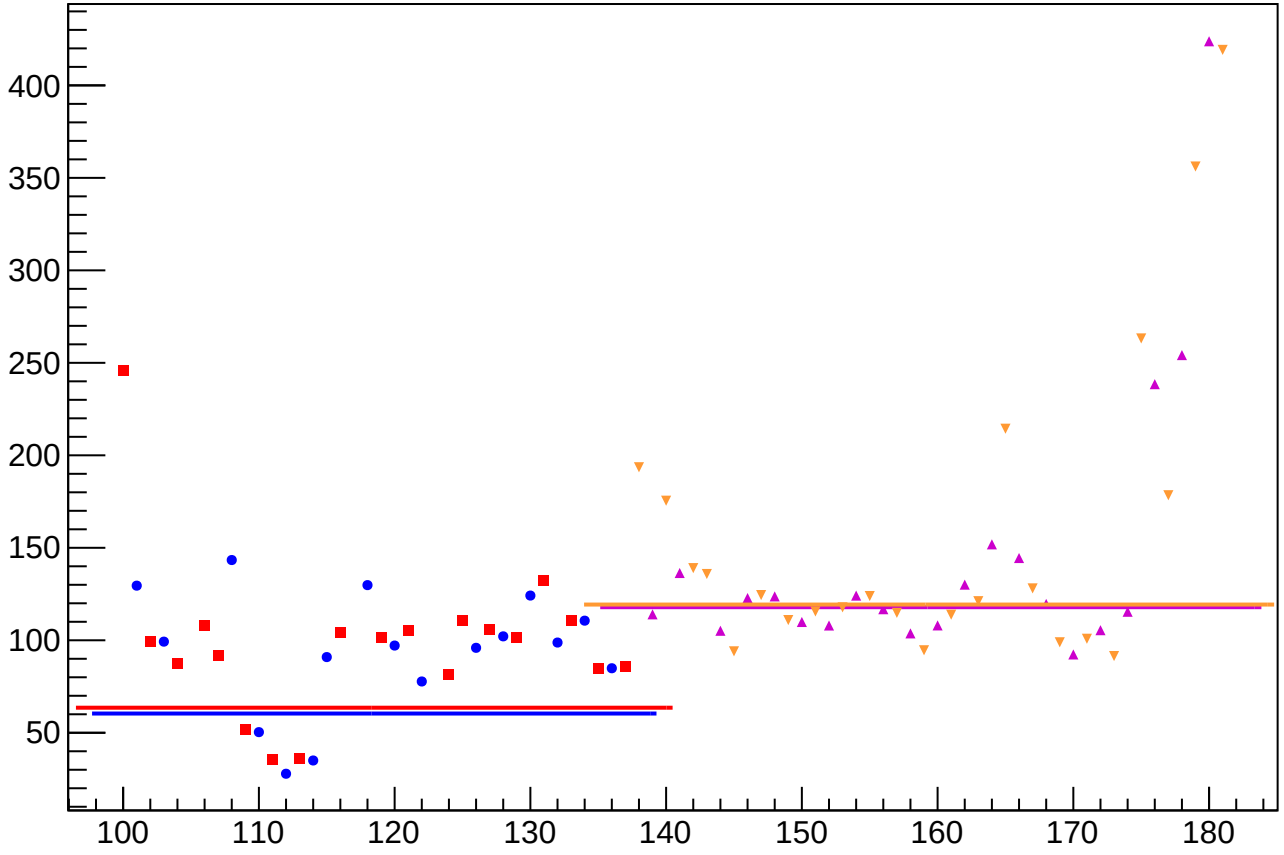
Left In: -0.020+/-0.030 χ^2/NDF:21.8/20

+ sign 0.030+/-0.020 χ^2/NDF: 45.7/38

All: 0.012+/-0.014 χ^2/NDF: 85.9/78

- sign -0.005+/-0.020 χ^2/NDF: 38.6/39

asym_sam4_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 60.399+/-0.019 χ^2/NDF: 3538382.9/15

Left Out: 119.315+/-0.021 χ^2/NDF:3167825.0/22

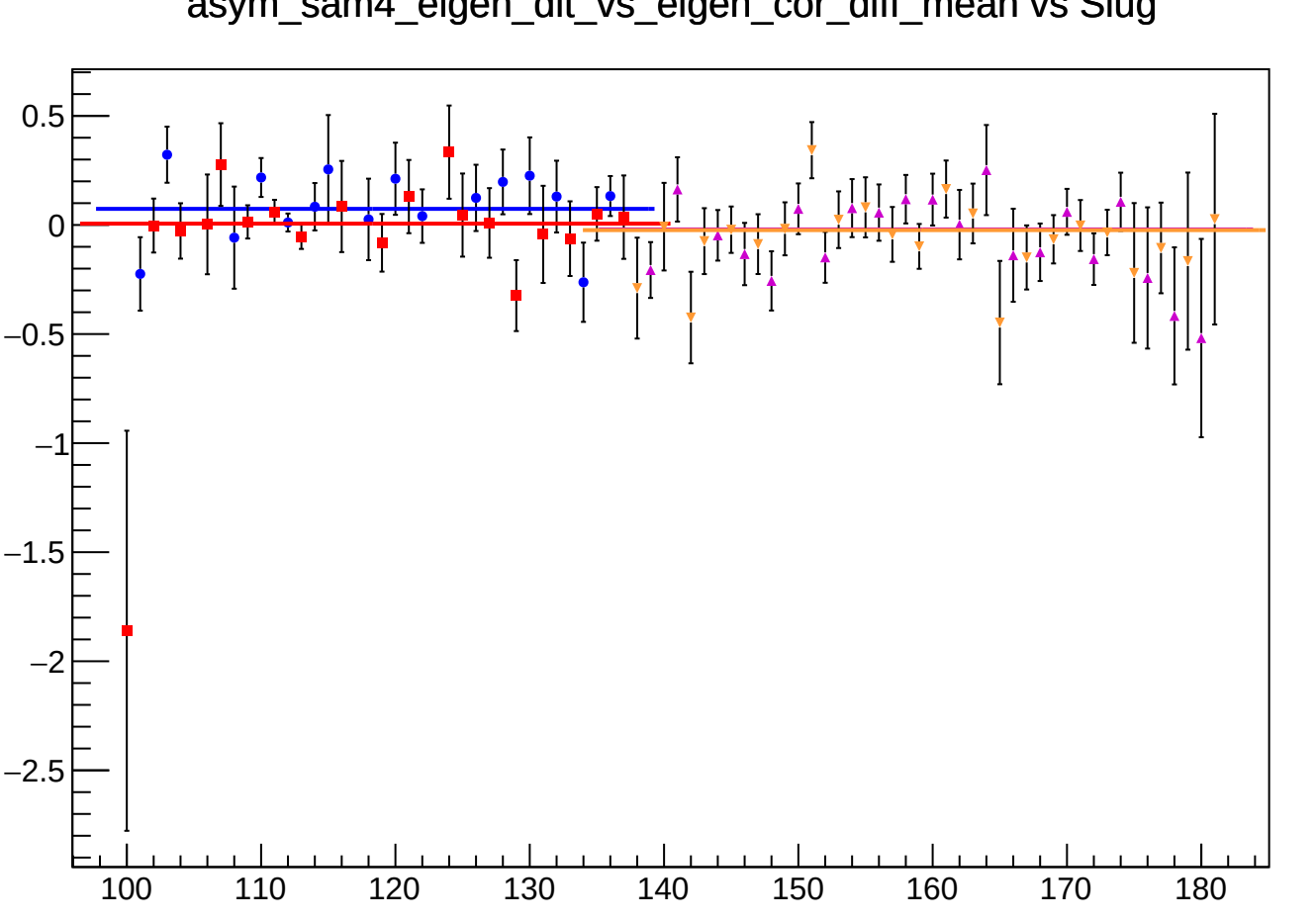
Right Out: 63.551+/-0.019 χ^2/NDF: 2654786.8/18

Left In: 117.889+/-0.021 χ^2/NDF:1936026.5/20

+ sign 86.772+/-0.014 χ^2/NDF: 10965397.2/38

All: 87.079+/-0.010 χ^2/NDF: 19155746.1/78

- sign 87.388+/-0.014 χ^2/NDF: 8189408.3/39



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.024+/-0.030 χ^2/NDF:20.9/22

Right Out: 0.006+/-0.027 χ^2/NDF: 16.4/18

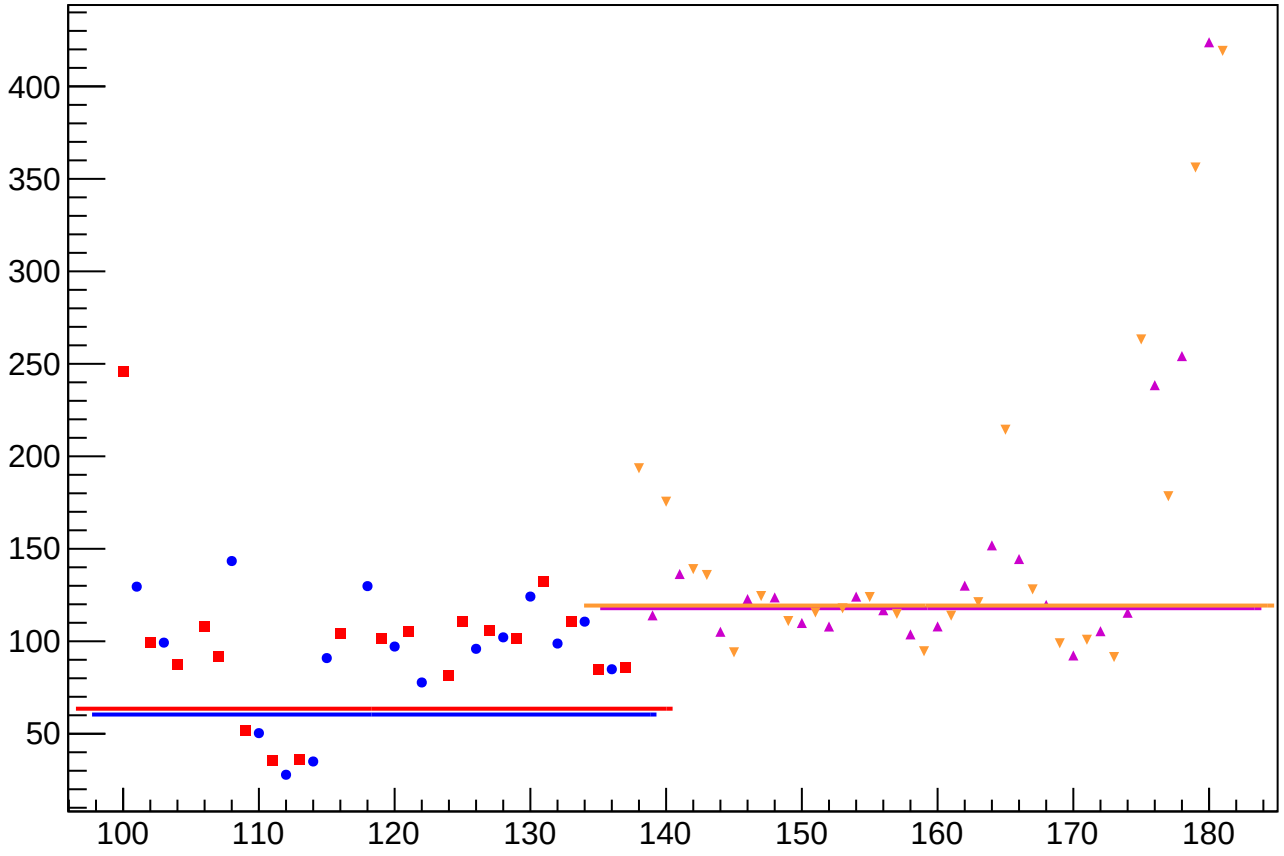
Left In: -0.020+/-0.030 χ^2/NDF:21.8/20

+ sign 0.030+/-0.020 χ^2/NDF: 45.7/38

All: 0.012+/-0.014 χ^2/NDF: 85.9/78

- sign -0.005+/-0.020 χ^2/NDF: 38.6/39

asym_sam4_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 60.399+/-0.019 χ^2/NDF: 3538382.9/15

Left Out: 119.315+/-0.021 χ^2/NDF:3167825.0/22

Right Out: 63.551+/-0.019 χ^2/NDF: 2654786.8/18

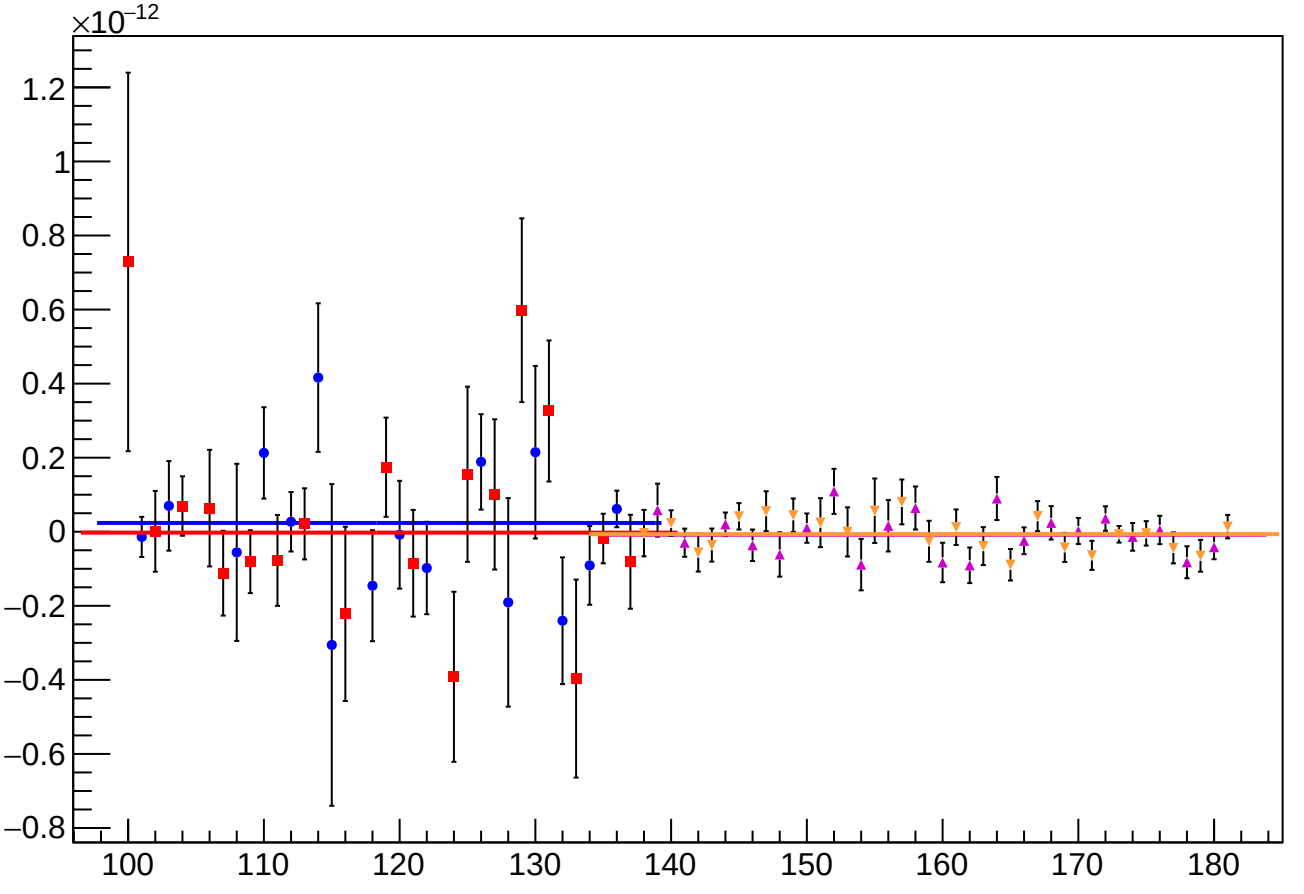
Left In: 117.889+/-0.021 χ^2/NDF:1936026.5/20

+ sign 86.772+/-0.014 χ^2/NDF: 10965397.2/38

All: 87.079+/-0.010 χ^2/NDF: 19155746.1/78

- sign 87.388+/-0.014 χ^2/NDF: 8189408.3/39

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:21.3/22

Right Out: -0.000+/-0.000 χ^2/NDF: 23.2/18

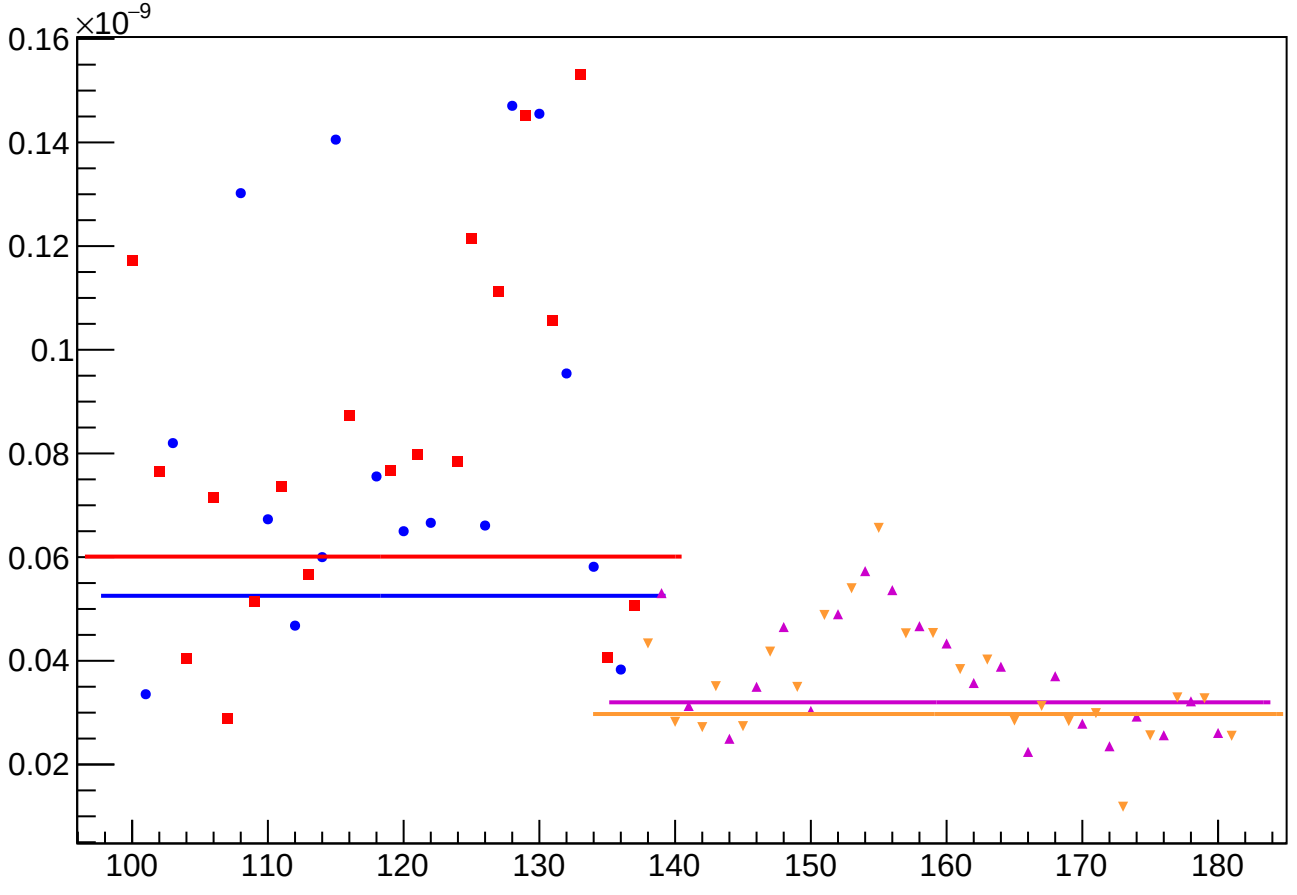
Left In: -0.000+/-0.000 χ^2/NDF:24.6/20

+ sign -0.000+/-0.000 χ^2/NDF: 39.3/38

All: -0.000+/-0.000 χ^2/NDF: 87.2/78

- sign -0.000+/-0.000 χ^2/NDF: 47.8/39

asym_sam4_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1649207.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:2846344.3/22

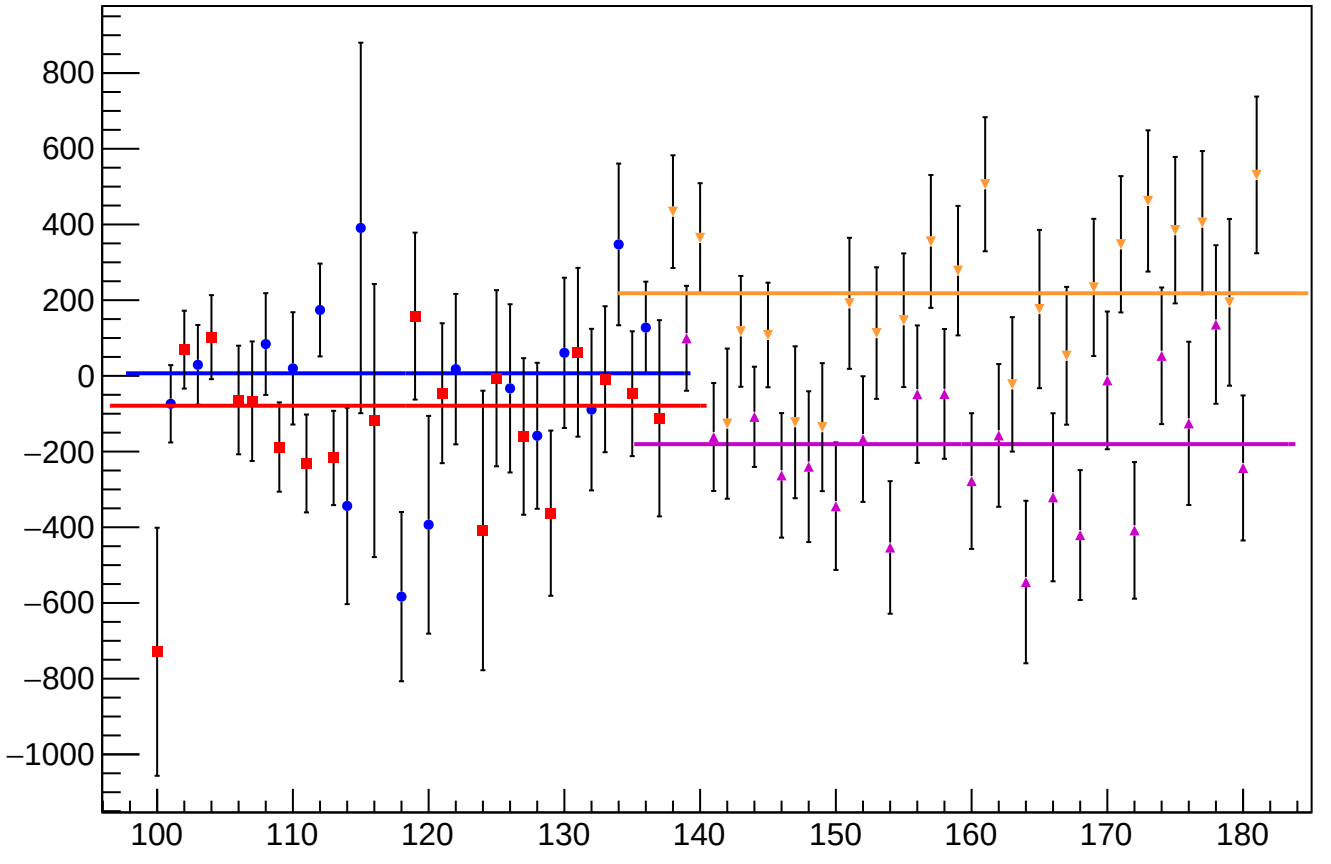
Right Out: 0.000+/-0.000 χ^2/NDF: 1539049.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1732126.8/20

+ sign 0.000+/-0.000 χ^2/NDF: 5859274.3/38

All: 0.000+/-0.000 χ^2/NDF: 10940297.8/78

- sign 0.000+/-0.000 χ^2/NDF: 4984767.0/39



Right In: 6.811+/-40.353 χ^2/NDF: 18.8/15

Left Out: 218.331+/-36.571 χ^2/NDF:27.4/22

Right Out: -78.883+/-37.906 χ^2/NDF: 16.7/18

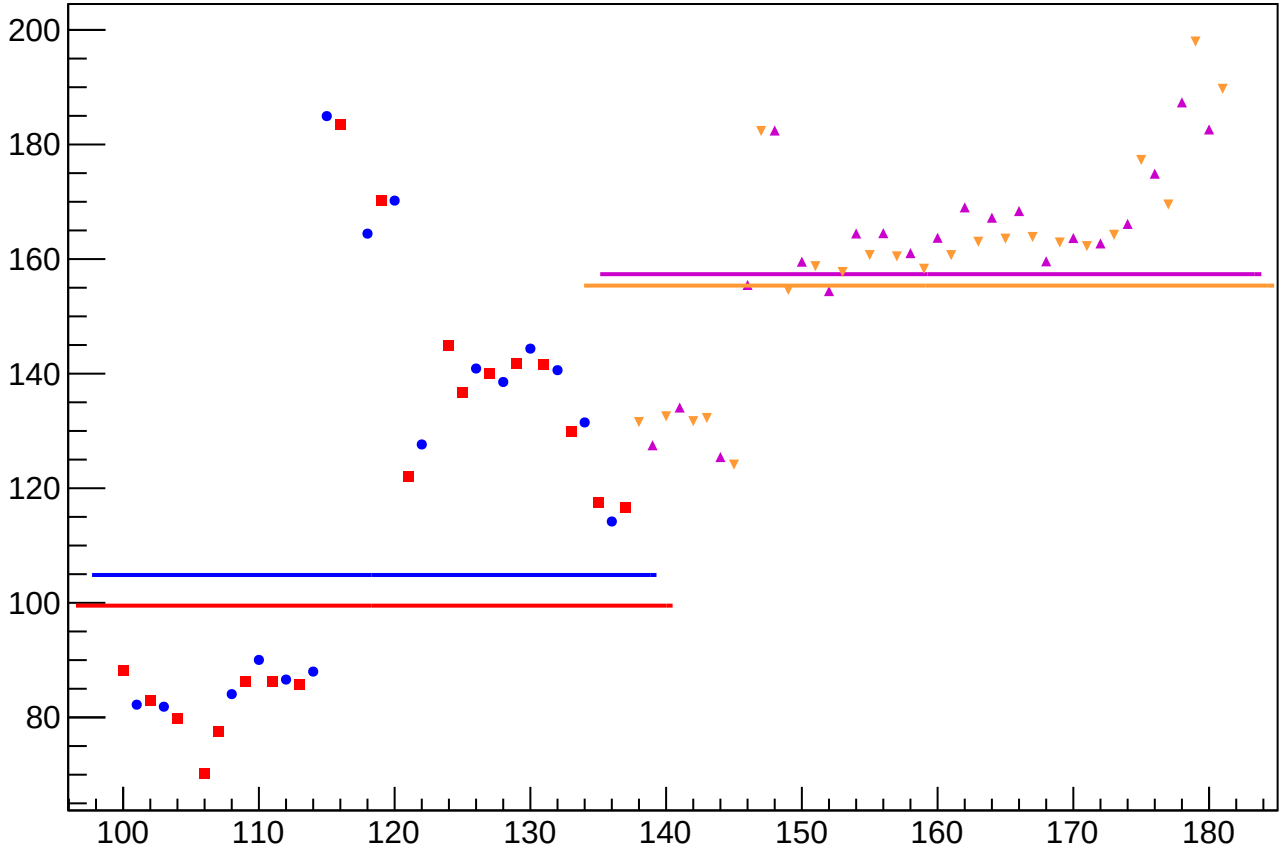
Left In: -180.375+/-38.149 χ^2/NDF:21.4/20

+ sign 122.944+/-27.098 χ^2/NDF: 61.2/38

All: -4.159+/-19.087 χ^2/NDF: 146.5/78

- sign -129.305+/-26.889 χ^2/NDF: 41.6/39

reg_asym_sam5_rms vs Slug



Right In: 104.860+/-0.029 χ^2/NDF: 931228.4/15

Left Out: 155.373+/-0.026 χ^2/NDF:513685.5/22

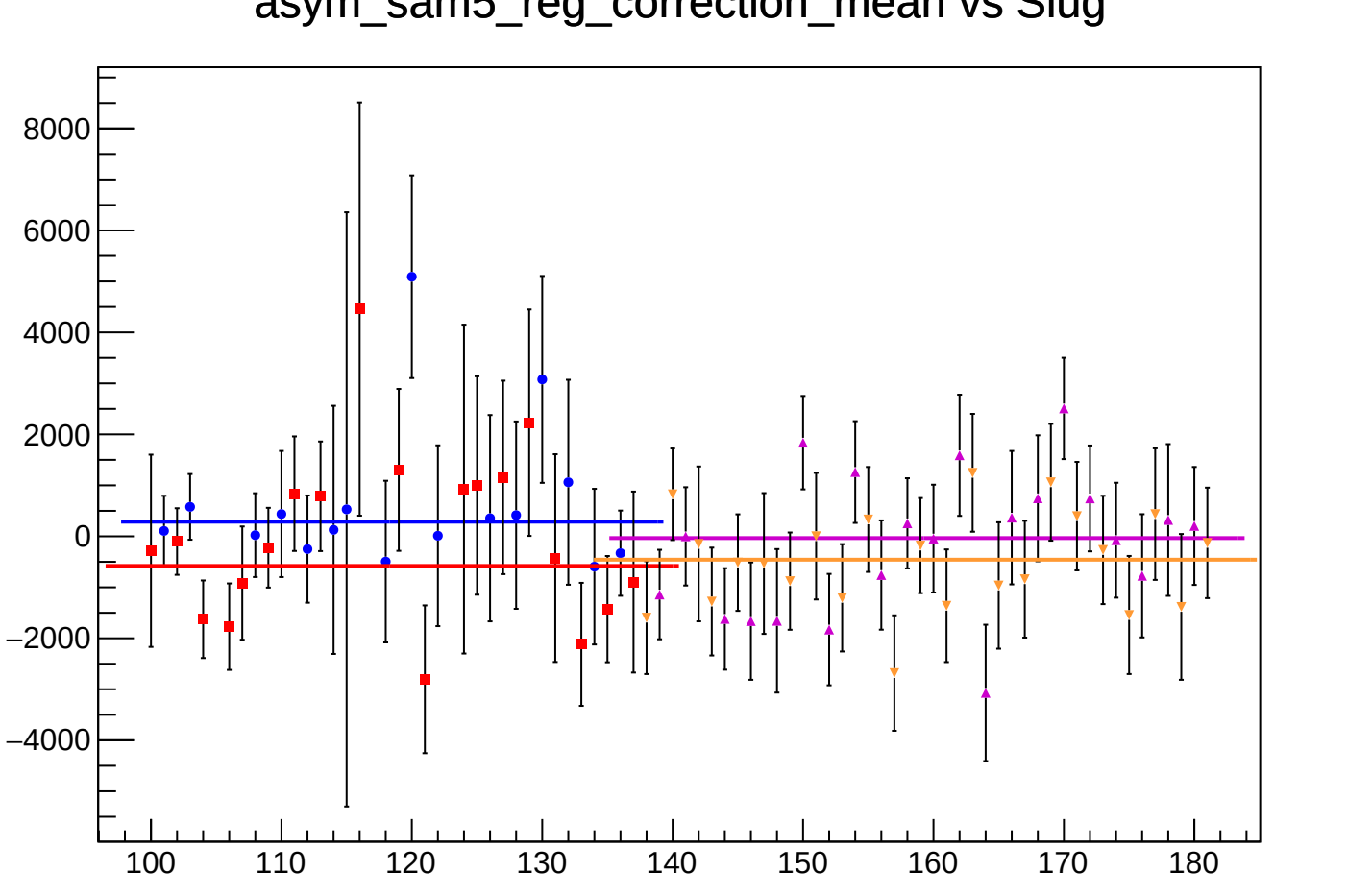
Right Out: 99.508+/-0.027 χ^2/NDF: 1039037.0/18

Left In: 157.365+/-0.027 χ^2/NDF:420100.9/20

+ sign 132.594+/-0.019 χ^2/NDF: 3165568.3/38

All: 130.406+/-0.013 χ^2/NDF: 6965408.2/78

- sign 128.251+/-0.019 χ^2/NDF: 3773965.5/39



Right In: 286.915+/-293.474 χ^2/NDF: 9.7/15

Left Out: -458.334+/-230.956 χ^2/NDF:16.5/22

Right Out: -581.217+/-269.775 χ^2/NDF: 18.8/18

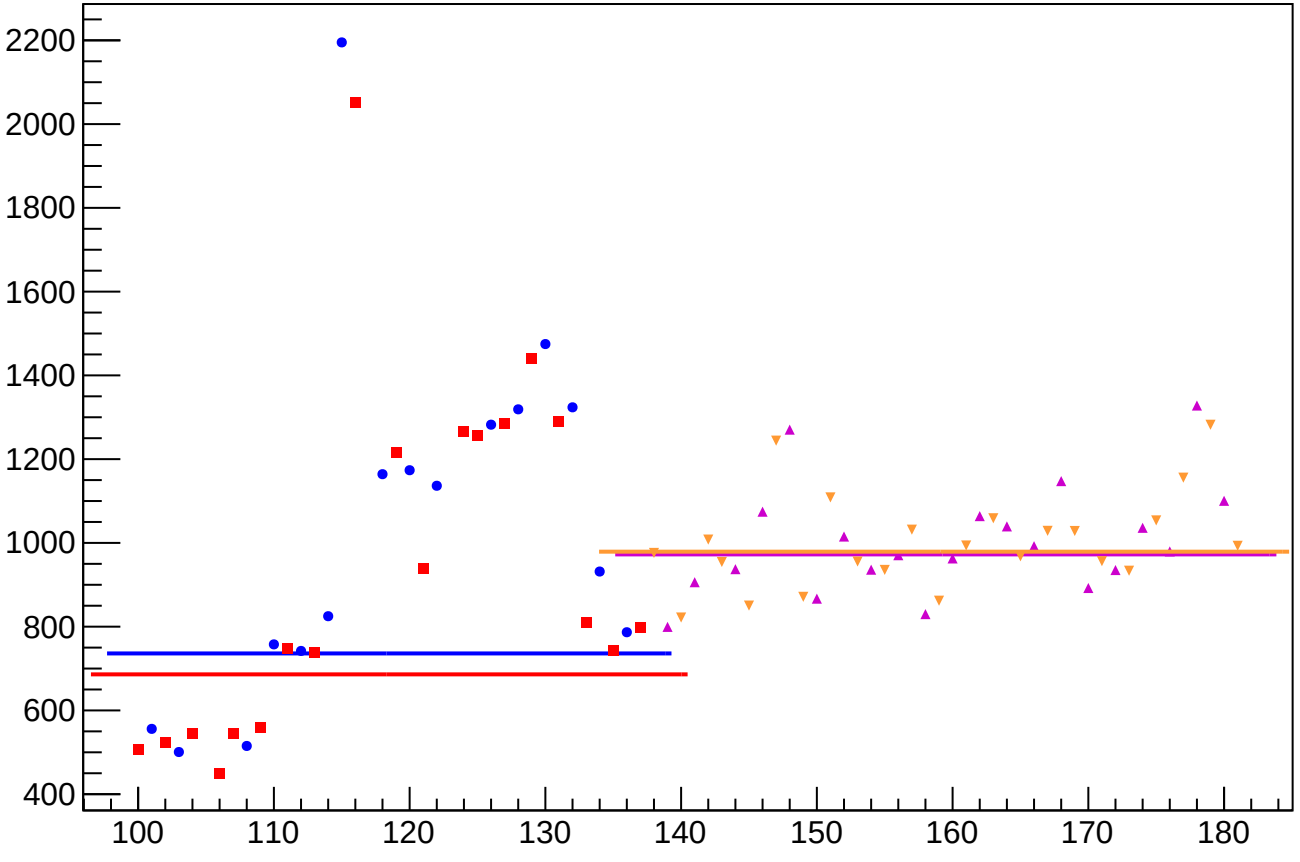
Left In: -34.736+/-236.757 χ^2/NDF:31.7/20

+ sign -173.307+/-181.494 χ^2/NDF: 30.2/38

All: -223.885+/-127.063 χ^2/NDF: 83.1/78

- sign -272.505+/-177.947 χ^2/NDF: 52.8/39

asym_sam5_reg_correction_rms vs Slug



Right In: 736.084+/-0.208 χ^2/NDF: 1844496.2/15

Left Out: 979.069+/-0.163 χ^2/NDF:419683.0/22

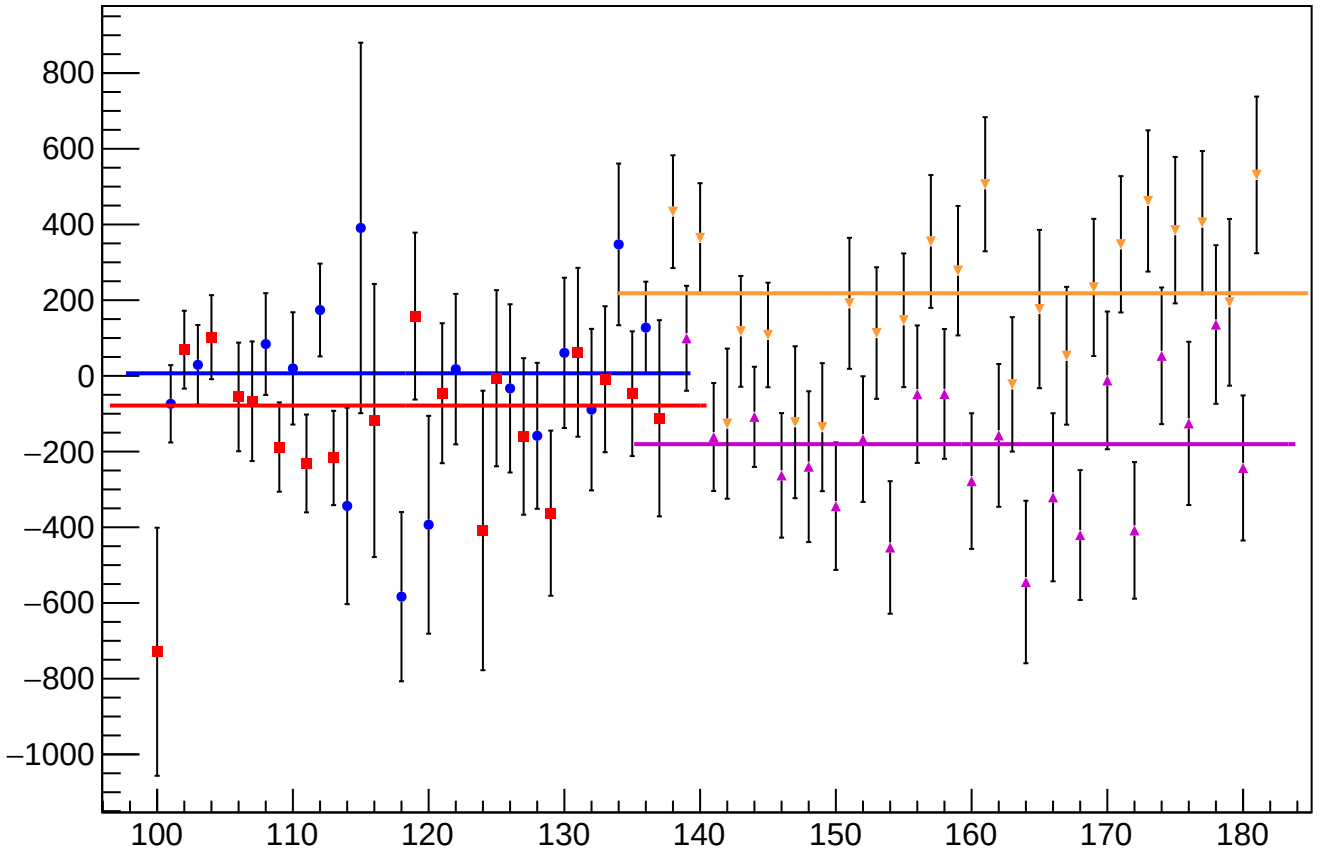
Right Out: 686.108+/-0.191 χ^2/NDF: 1819176.0/18

Left In: 972.554+/-0.167 χ^2/NDF:497585.5/20

+ sign 886.137+/-0.128 χ^2/NDF: 3110857.1/38

All: 866.654+/-0.090 χ^2/NDF: 6746589.2/78

- sign 847.924+/-0.126 χ^2/NDF: 3590525.9/39



Right In: 6.799+/-40.353 χ^2/NDF: 18.8/15

Left Out: 218.333+/-36.571 χ^2/NDF:27.4/22

Right Out: -78.347+/-37.909 χ^2/NDF: 16.7/18

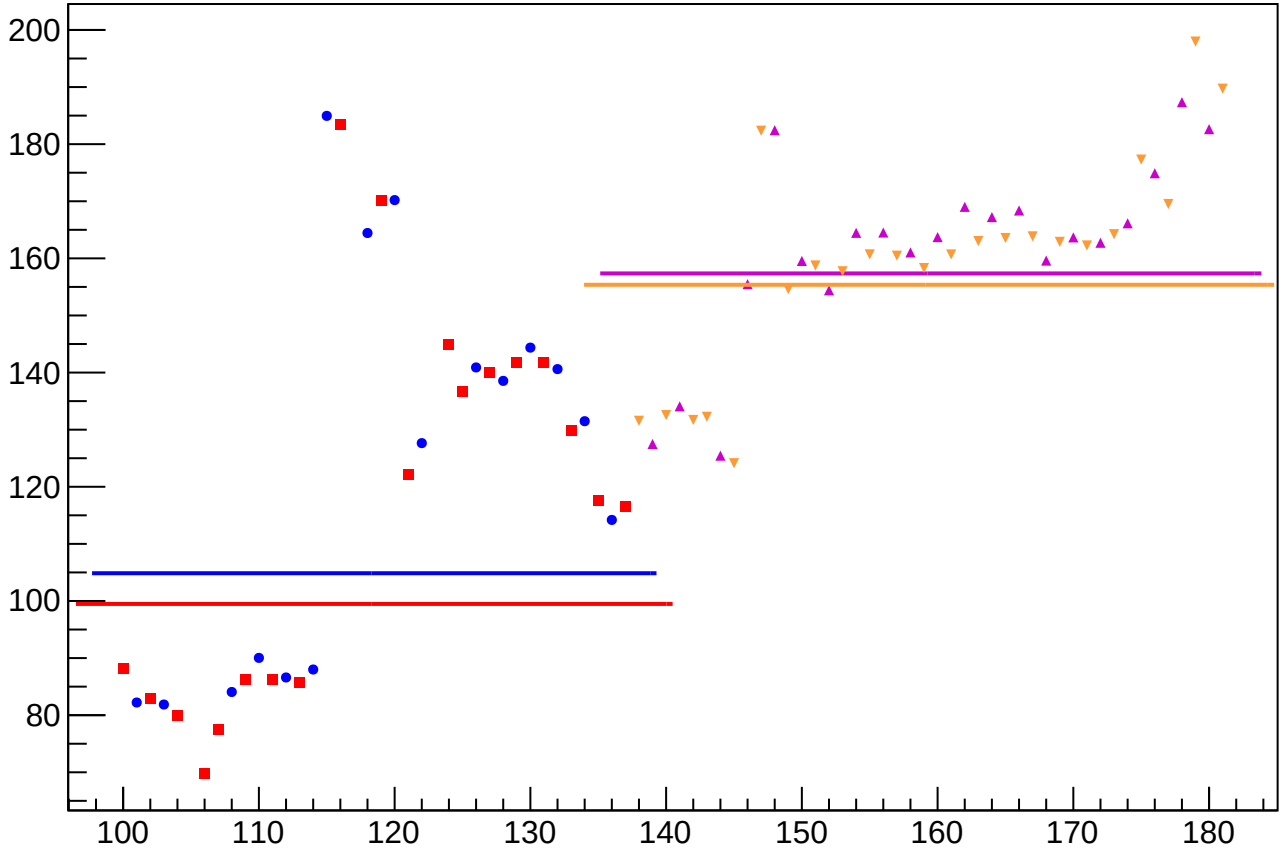
Left In: -180.378+/-38.149 χ^2/NDF:21.4/20

\+ sign 122.940+/-27.098 χ^2/NDF: 61.2/38

All: -4.023+/-19.087 χ^2/NDF: 146.5/78

\- sign -129.040+/-26.890 χ^2/NDF: 41.6/39

cor_asym_sam5_rms vs Slug



Right In: 104.860+/-0.029 χ^2/NDF: 931227.7/15

Left Out: 155.373+/-0.026 χ^2/NDF:513685.5/22

Right Out: 99.484+/-0.027 χ^2/NDF: 1041224.0/18

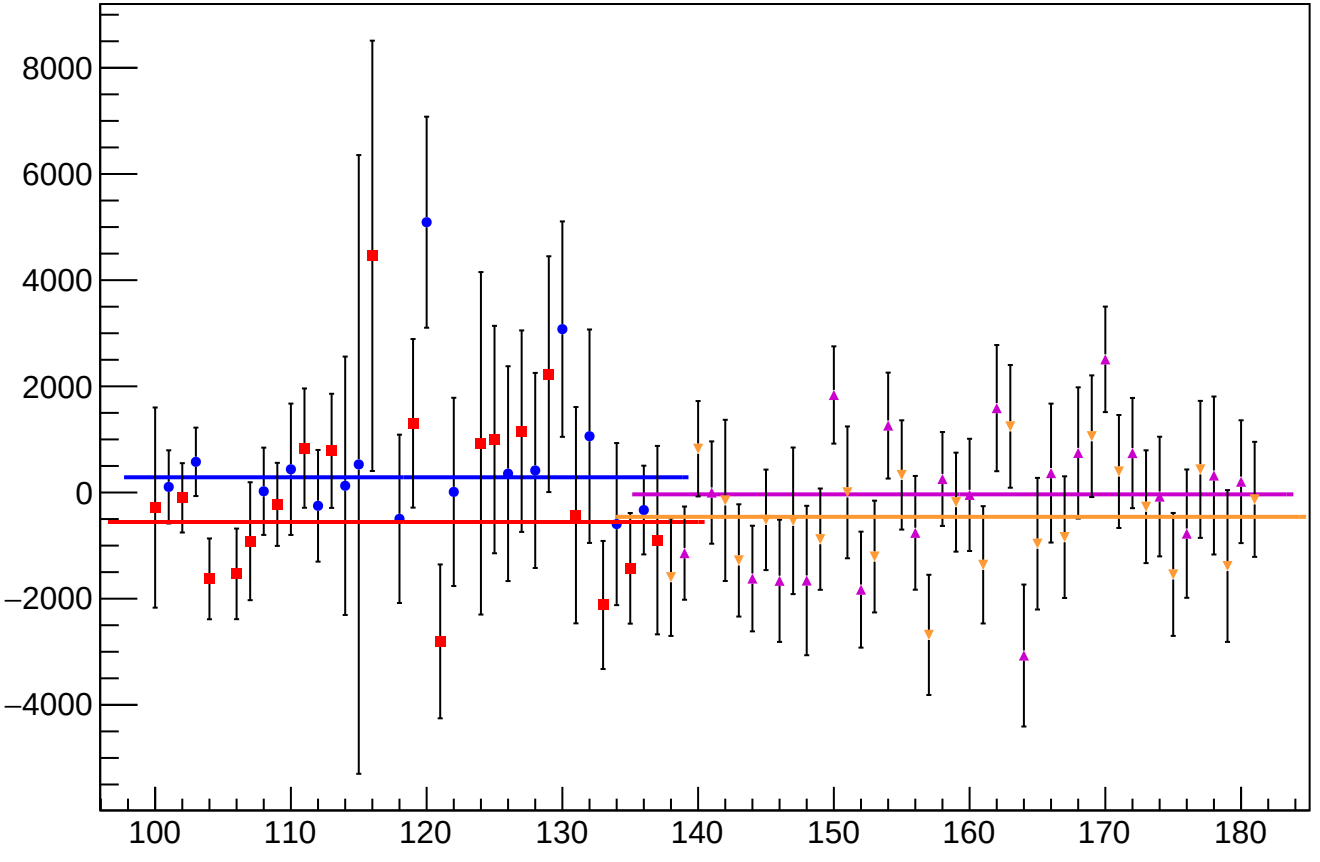
Left In: 157.365+/-0.027 χ^2/NDF:420100.9/20

+ sign 132.594+/-0.019 χ^2/NDF: 3165566.4/38

All: 130.401+/-0.013 χ^2/NDF: 6969460.4/78

- sign 128.241+/-0.019 χ^2/NDF: 3777901.4/39

asym_sam5_cor_correction_mean vs Slug



Right In: 286.918+/-293.473 χ^2/NDF: 9.7/15

Left Out: -458.327+/-230.956 χ^2/NDF:16.5/22

Right Out: -555.436+/-269.953 χ^2/NDF: 18.0/18

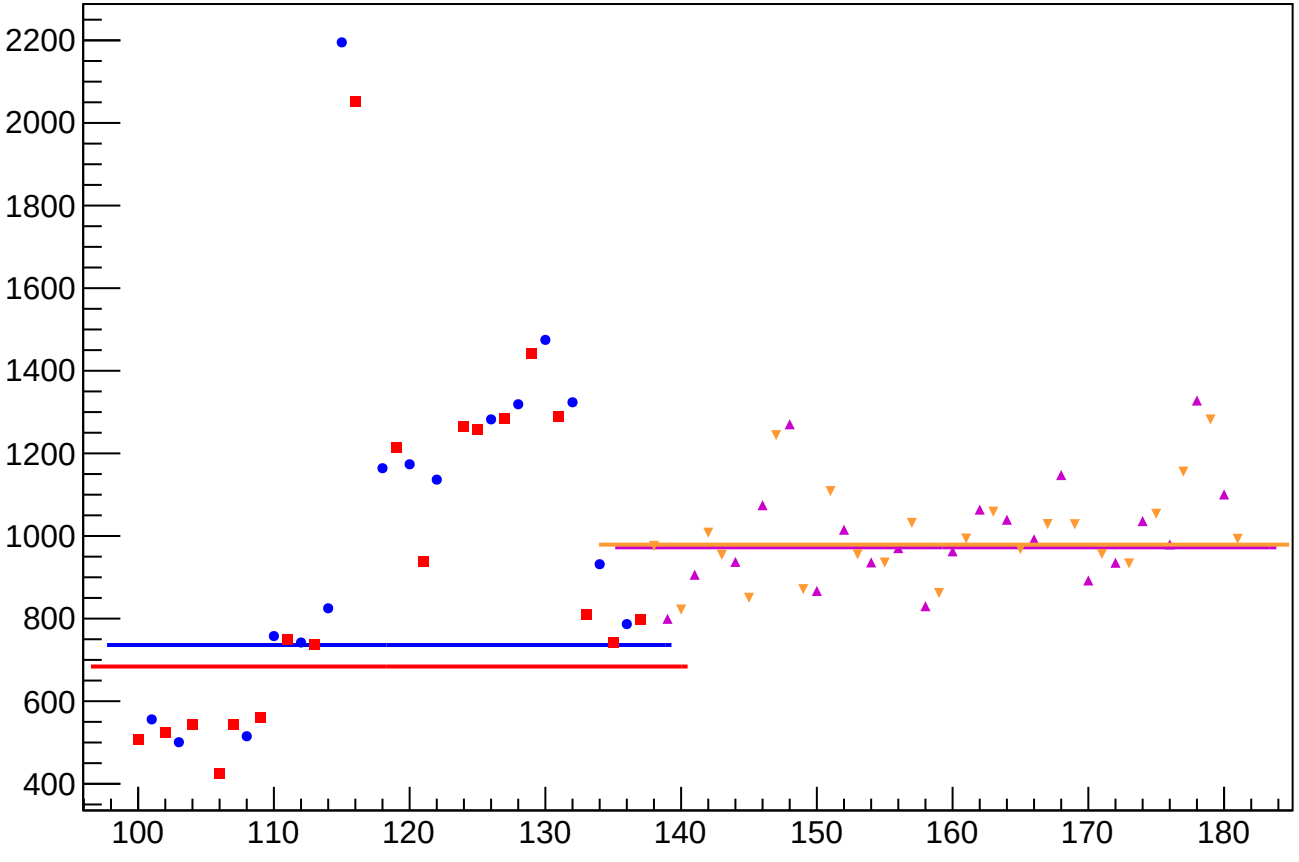
Left In: -34.733+/-236.757 χ^2/NDF:31.7/20

+ sign -173.301+/-181.494 χ^2/NDF: 30.2/38

All: -218.063+/-127.082 χ^2/NDF: 82.2/78

- sign -261.117+/-177.999 χ^2/NDF: 51.8/39

asym_sam5_cor_correction_rms vs Slug



Right In: 736.083+/-0.208 χ^2/NDF: 1844498.2/15

Left Out: 979.070+/-0.163 χ^2/NDF:419681.5/22

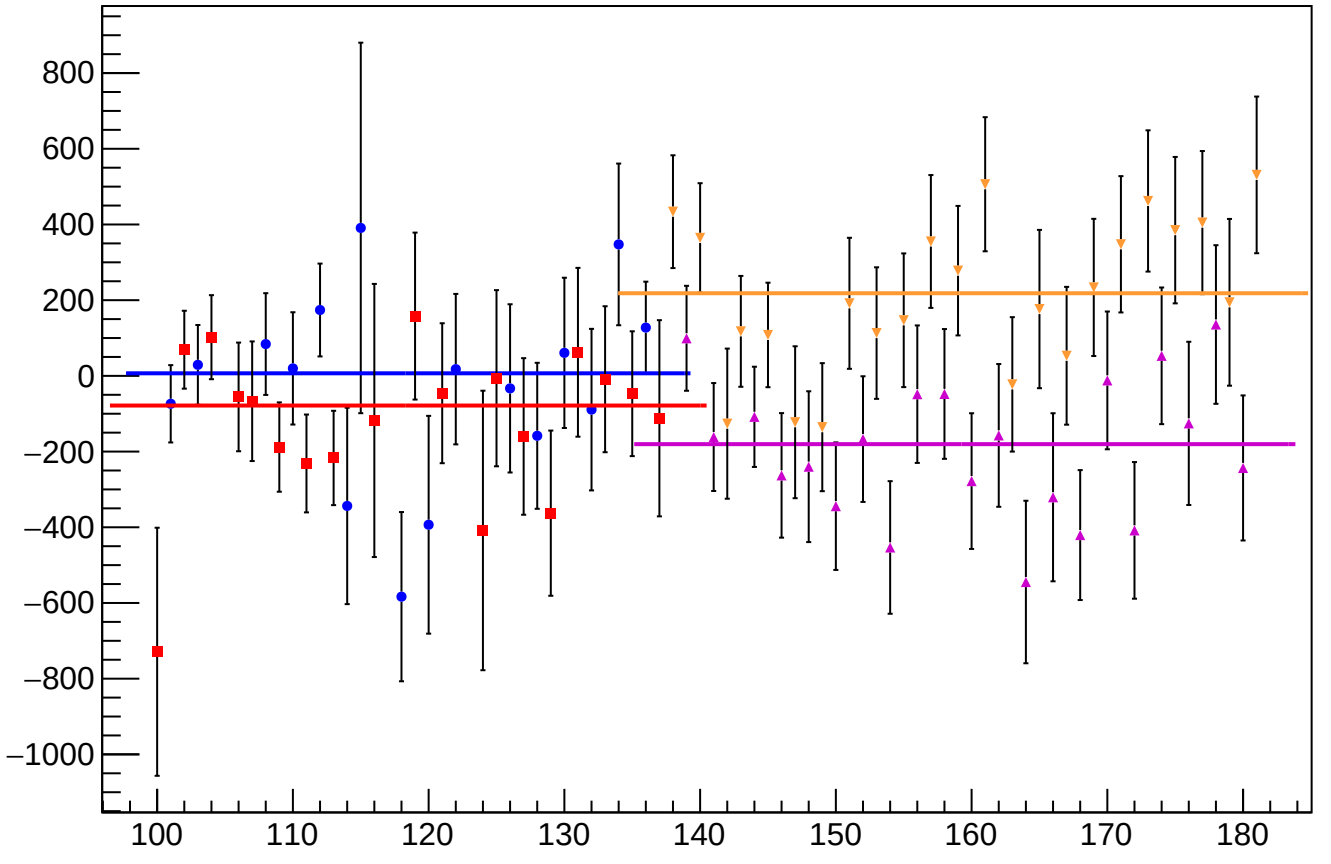
Right Out: 683.981+/-0.191 χ^2/NDF: 1850402.3/18

Left In: 972.554+/-0.167 χ^2/NDF:497587.8/20

+ sign 886.137+/-0.128 χ^2/NDF: 3110864.4/38

All: 866.235+/-0.090 χ^2/NDF: 6797827.8/78

- sign 847.092+/-0.126 χ^2/NDF: 3639780.8/39



Right In: 6.799+/-40.353 χ^2/NDF: 18.8/15

Left Out: 218.333+/-36.571 χ^2/NDF:27.4/22

Right Out: -78.347+/-37.909 χ^2/NDF: 16.7/18

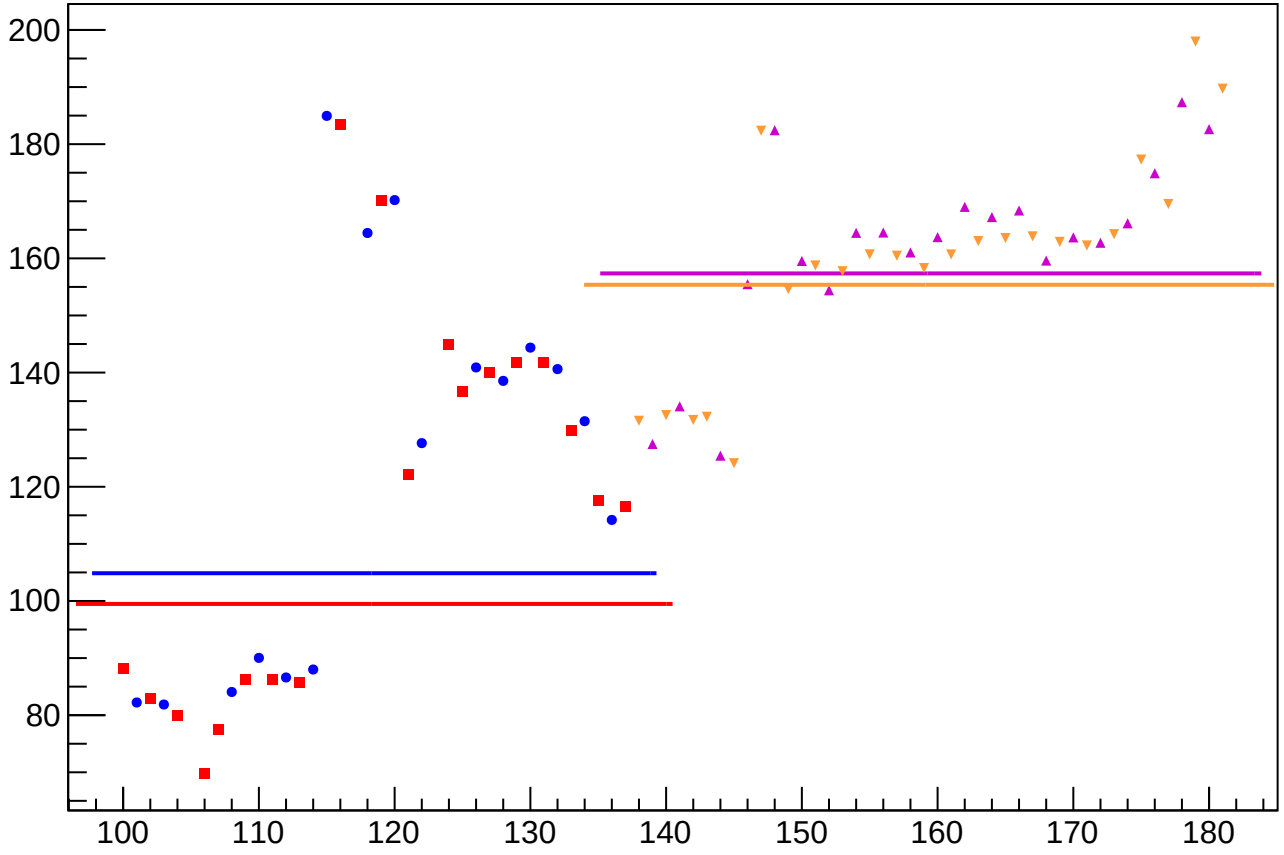
Left In: -180.378+/-38.149 χ^2/NDF:21.4/20

+ sign 122.940+/-27.098 χ^2/NDF: 61.2/38

All: -4.023+/-19.087 χ^2/NDF: 146.5/78

- sign -129.040+/-26.890 χ^2/NDF: 41.6/39

eigen_cor_asym_sam5_rms vs Slug



Right In: 104.860+/-0.029 χ^2/NDF: 931227.7/15

Left Out: 155.373+/-0.026 χ^2/NDF:513685.5/22

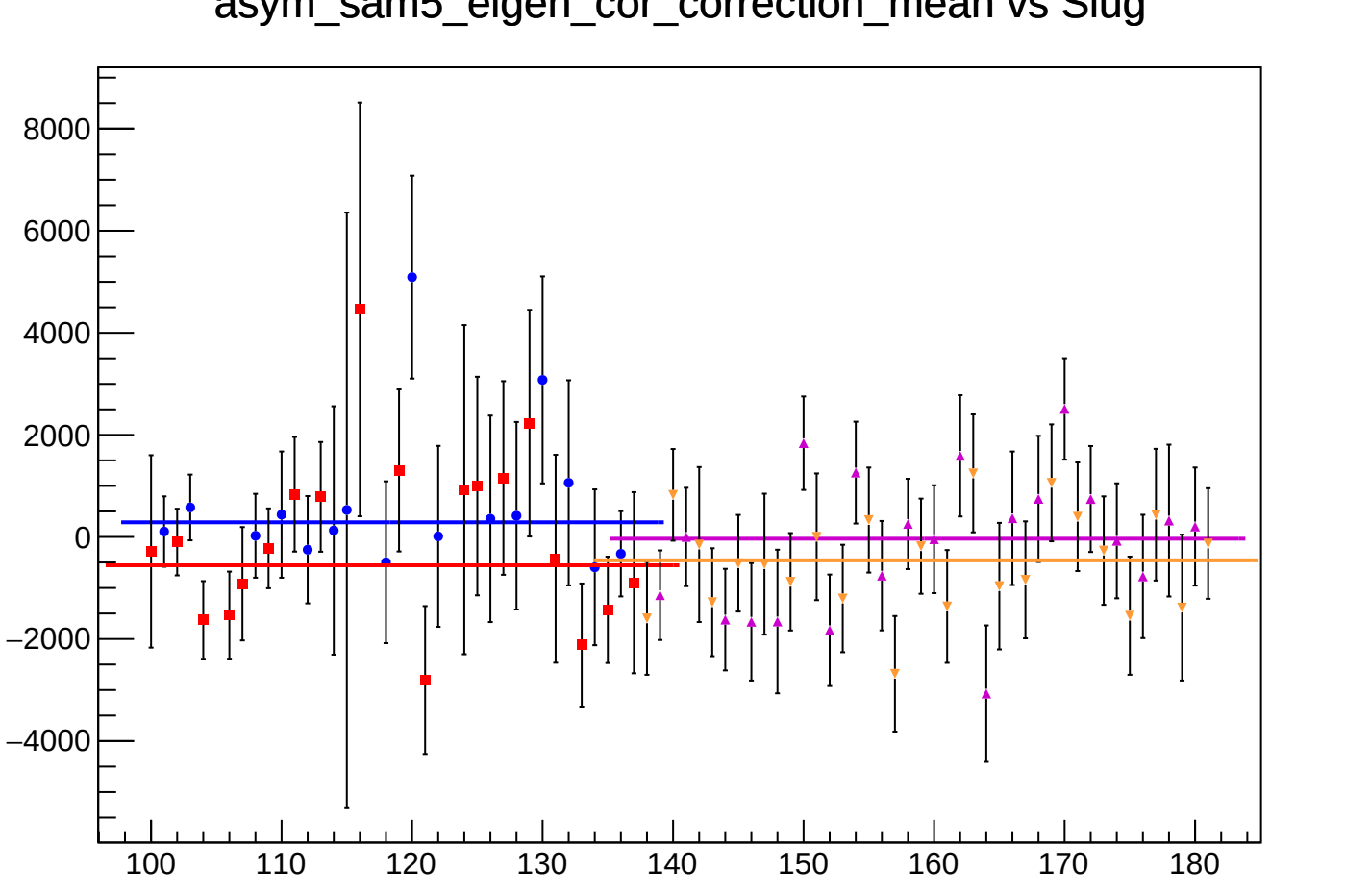
Right Out: 99.484+/-0.027 χ^2/NDF: 1041224.0/18

Left In: 157.365+/-0.027 χ^2/NDF:420100.9/20

+ sign 132.594+/-0.019 χ^2/NDF: 3165566.4/38

All: 130.401+/-0.013 χ^2/NDF: 6969460.4/78

- sign 128.241+/-0.019 χ^2/NDF: 3777901.4/39



Right In: 286.918+/-293.473 χ^2/NDF: 9.7/15

Left Out: -458.327+/-230.956 χ^2/NDF:16.5/22

Right Out: -555.436+/-269.953 χ^2/NDF: 18.0/18

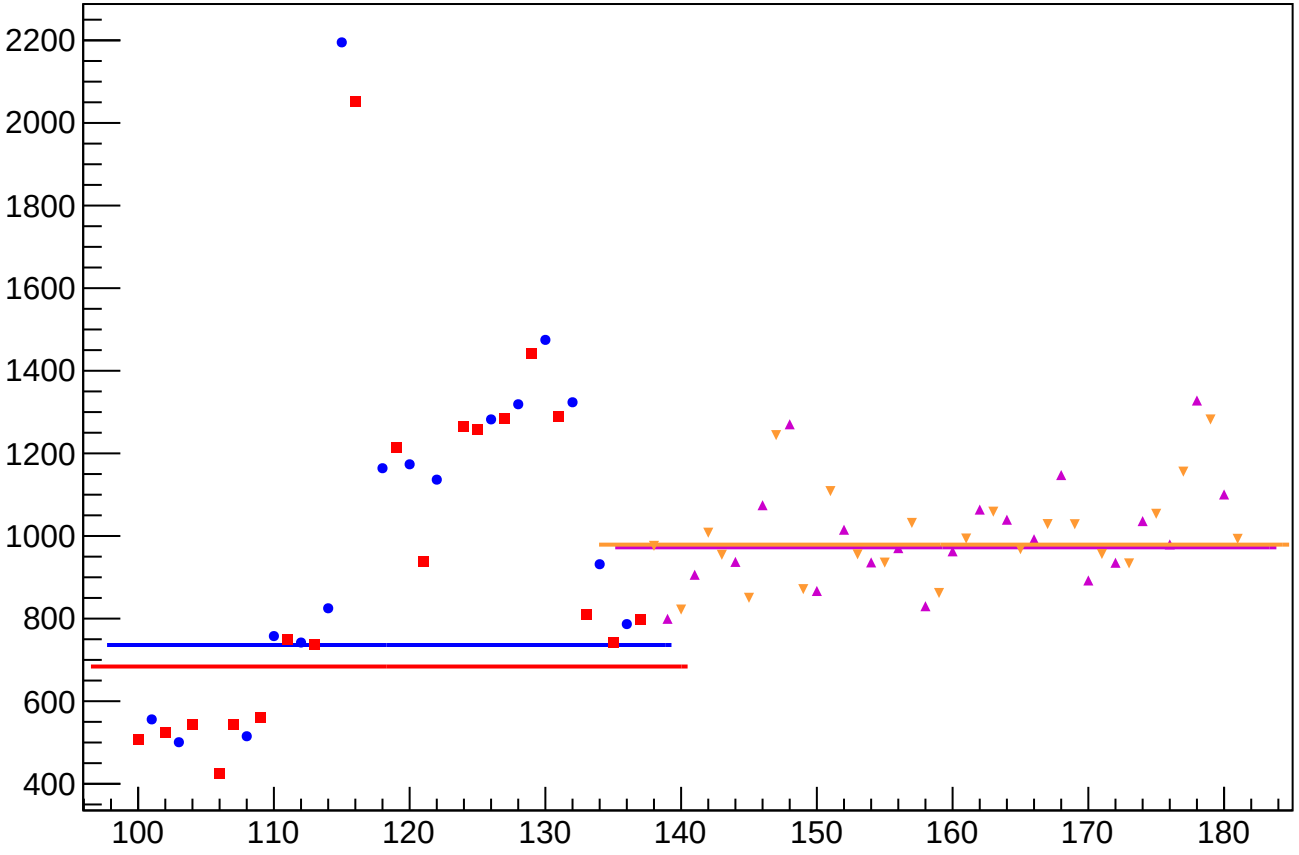
Left In: -34.733+/-236.757 χ^2/NDF:31.7/20

+ sign -173.301+/-181.494 χ^2/NDF: 30.2/38

All: -218.063+/-127.082 χ^2/NDF: 82.2/78

- sign -261.117+/-177.999 χ^2/NDF: 51.8/39

asym_sam5_eigen_cor_correction_rms vs Slug



Right In: 736.083+/-0.208 χ^2/NDF: 1844498.2/15

Left Out: 979.070+/-0.163 χ^2/NDF:419681.5/22

Right Out: 683.981+/-0.191 χ^2/NDF: 1850402.3/18

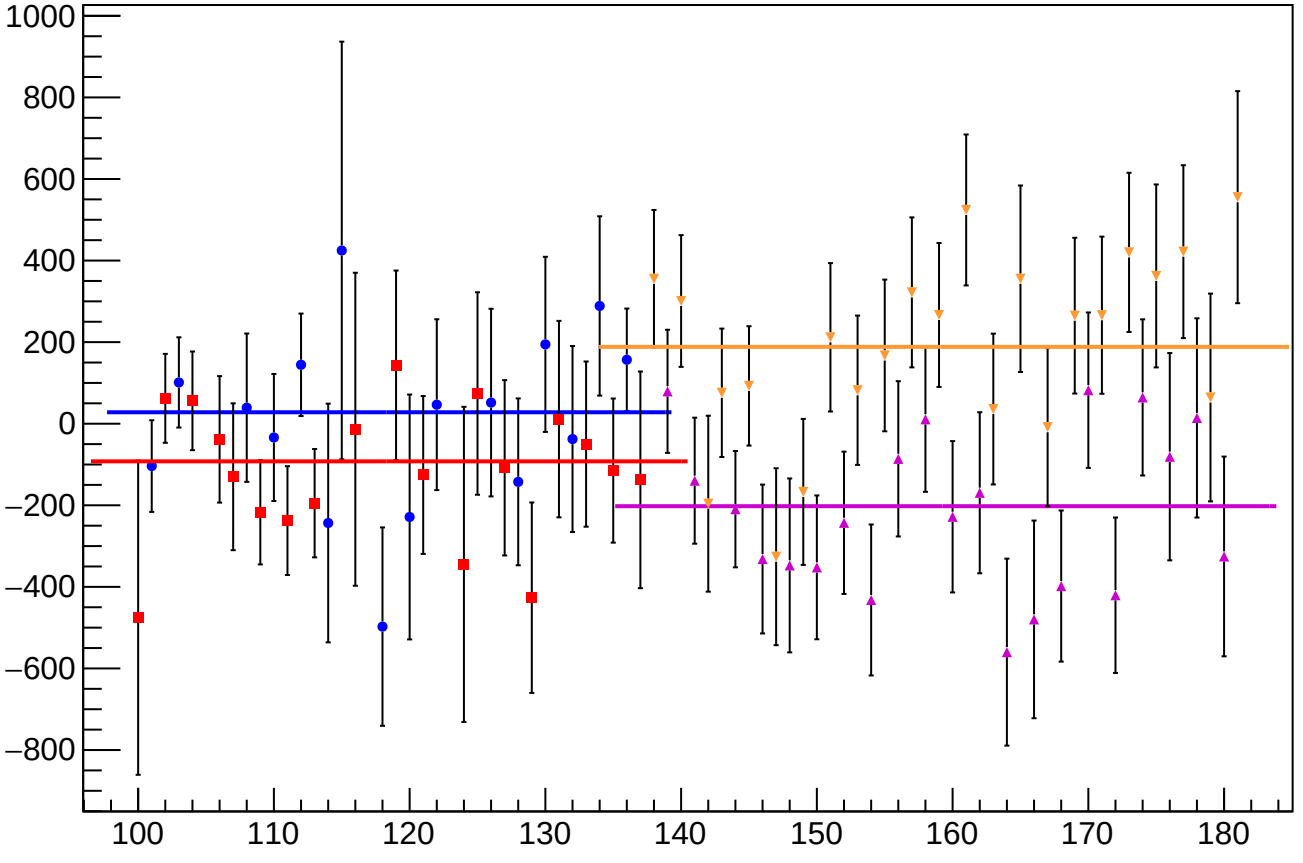
Left In: 972.554+/-0.167 χ^2/NDF:497587.8/20

+ sign 886.137+/-0.128 χ^2/NDF: 3110864.4/38

All: 866.235+/-0.090 χ^2/NDF: 6797827.8/78

- sign 847.092+/-0.126 χ^2/NDF: 3639780.8/39

dit_asym_sam5_mean vs Slug



Right In: 28.094+/-43.439 χ^2/NDF: 13.6/15

Left Out: 188.417+/-39.453 χ^2/NDF:27.6/22

Right Out: -92.247+/-40.539 χ^2/NDF: 11.7/18

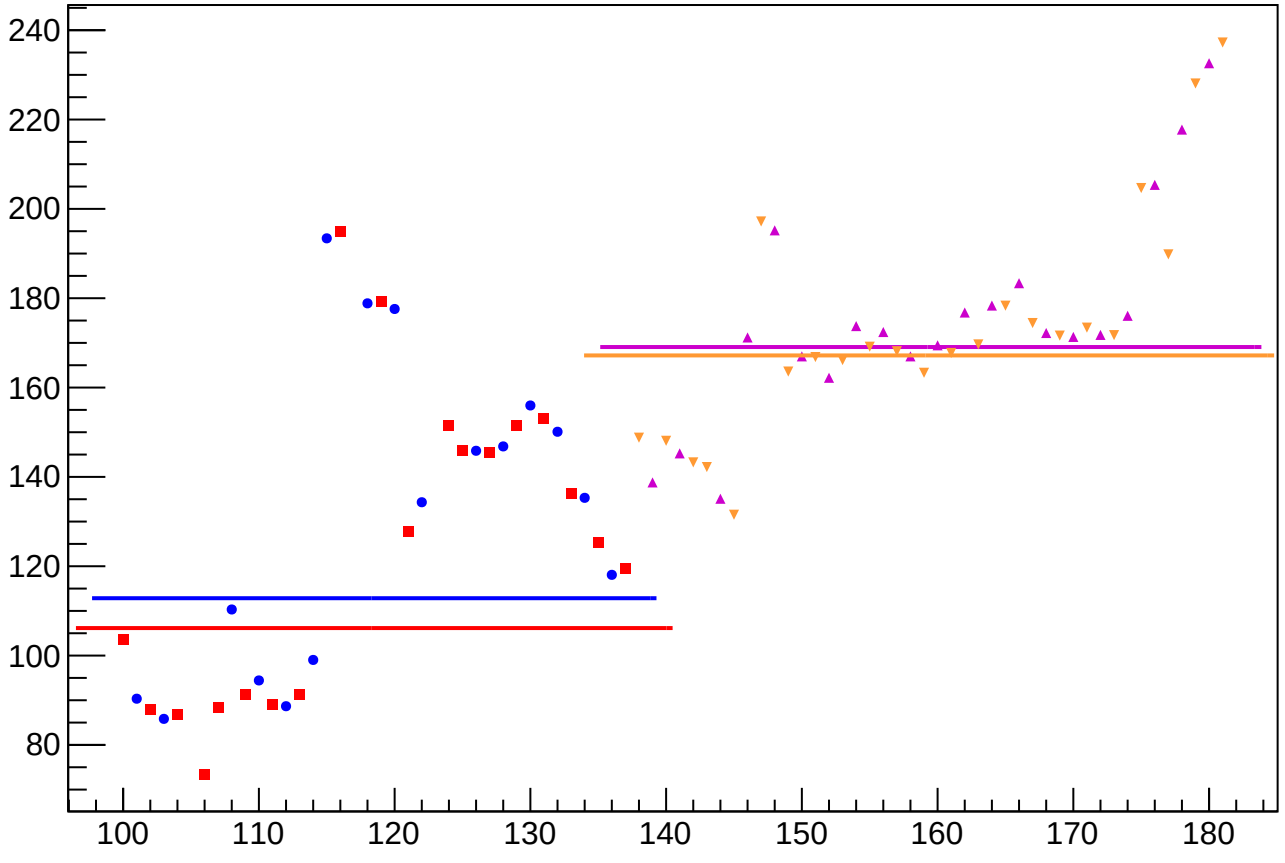
Left In: -202.204+/-41.109 χ^2/NDF:20.4/20

+ sign 115.947+/-29.205 χ^2/NDF: 48.6/38

All: -16.793+/-20.530 χ^2/NDF: 125.2/78

- sign -146.457+/-28.865 χ^2/NDF: 35.7/39

dit_asym_sam5_rms vs Slug



Right In: 112.843+/-0.031 χ^2/NDF: 872225.9/15

Left Out: 167.193+/-0.028 χ^2/NDF:636426.5/22

Right Out: 106.159+/-0.029 χ^2/NDF: 1002148.0/18

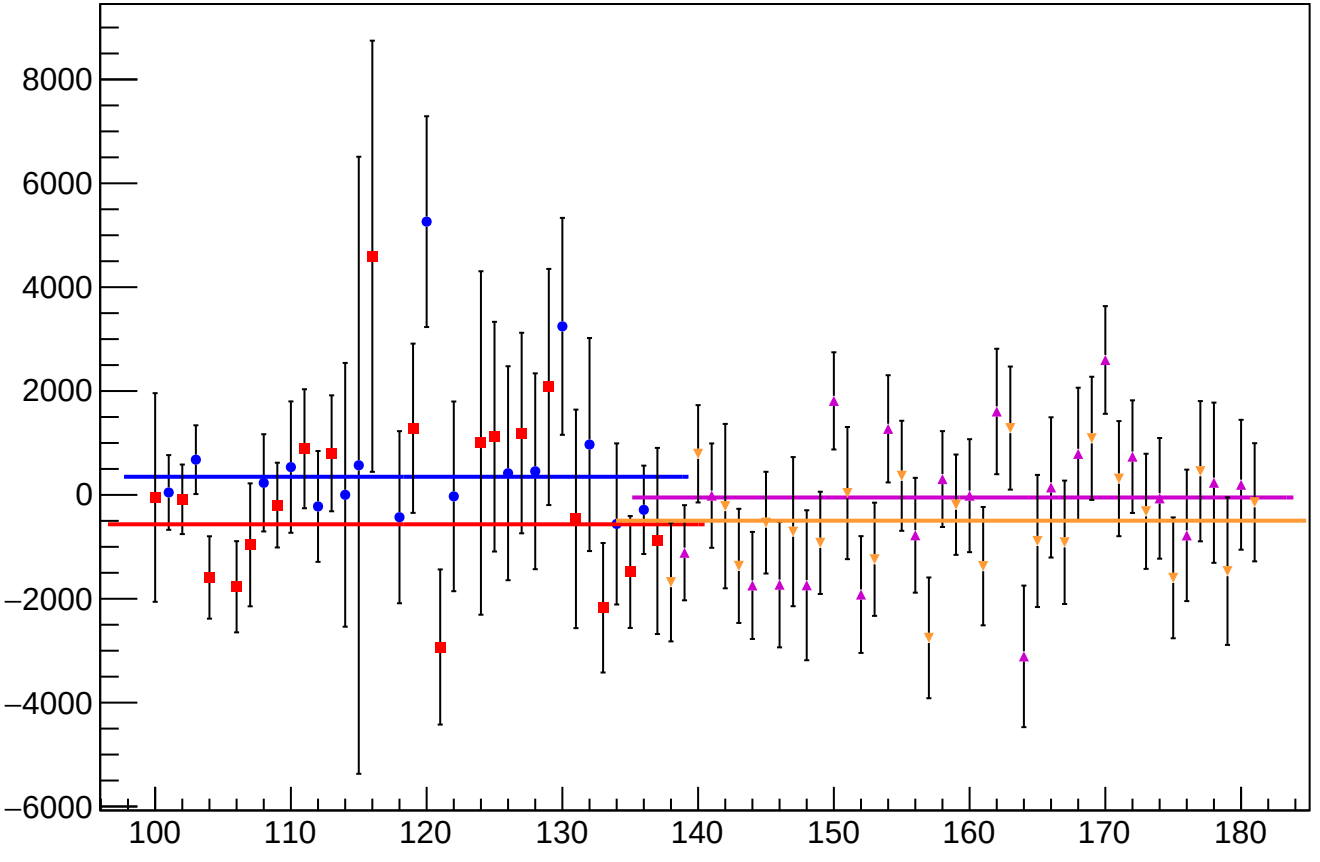
Left In: 169.073+/-0.029 χ^2/NDF:549580.1/20

+ sign 142.625+/-0.021 χ^2/NDF: 3224372.5/38

All: 139.869+/-0.015 χ^2/NDF: 7186217.0/78

- sign 137.176+/-0.020 χ^2/NDF: 3926621.6/39

asym_sam5_dit_correction_mean vs Slug



Right In: 349.112+/-305.328 χ^2/NDF: 9.8/15

Left Out: -496.608+/-238.647 χ^2/NDF:16.4/22

Right Out: -566.026+/-279.219 χ^2/NDF: 18.3/18

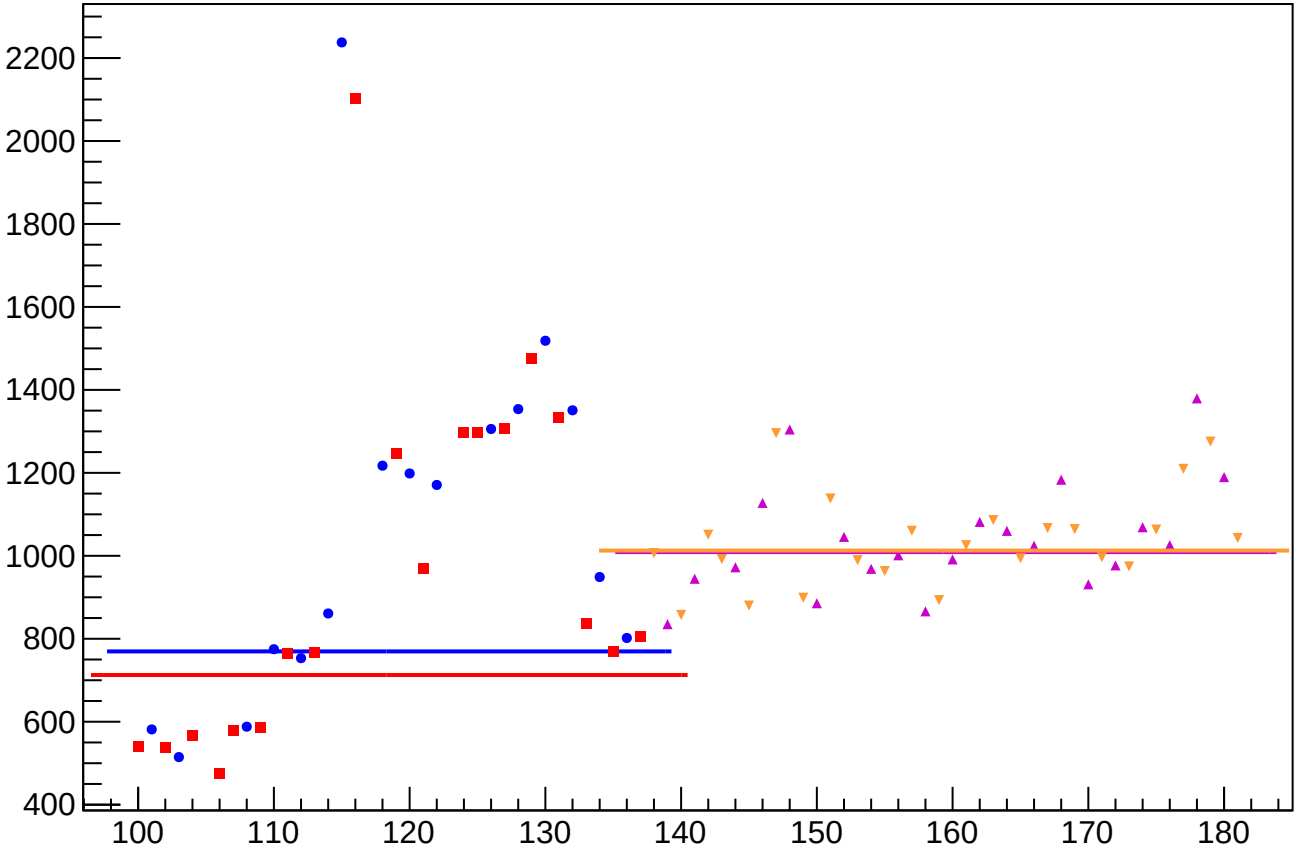
Left In: -49.523+/-245.522 χ^2/NDF:31.1/20

+ sign -175.883+/-188.027 χ^2/NDF: 31.0/38

All: -226.281+/-131.646 χ^2/NDF: 82.4/78

- sign -274.744+/-184.379 χ^2/NDF: 51.3/39

asym_sam5_dit_correction_rms vs Slug



Right In: 769.557+/-0.216 χ^2/NDF: 1739937.3/15

Left Out: 1012.682+/-0.169 χ^2/NDF:391779.7/22

Right Out: 712.628+/-0.197 χ^2/NDF: 1767226.6/18

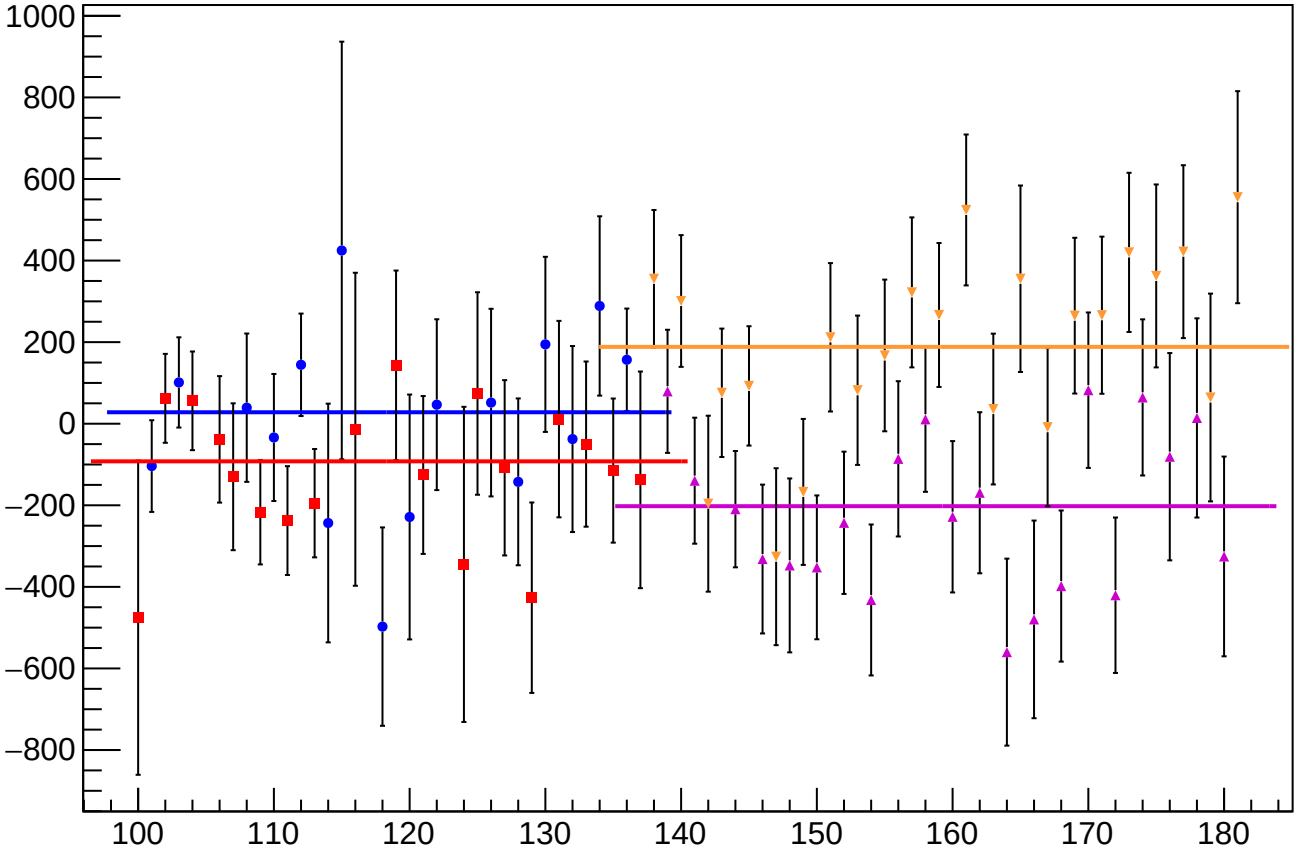
Left In: 1008.949+/-0.174 χ^2/NDF:497847.1/20

+ sign 920.481+/-0.133 χ^2/NDF: 2918914.7/38

All: 899.711+/-0.093 χ^2/NDF: 6502164.5/78

- sign 879.739+/-0.130 χ^2/NDF: 3535378.6/39

eigen_dit_asym_sam5_mean vs Slug



Right In: 28.093+/-43.439 χ^2/NDF: 13.6/15

Left Out: 188.418+/-39.453 χ^2/NDF:27.6/22

Right Out: -92.247+/-40.539 χ^2/NDF: 11.7/18

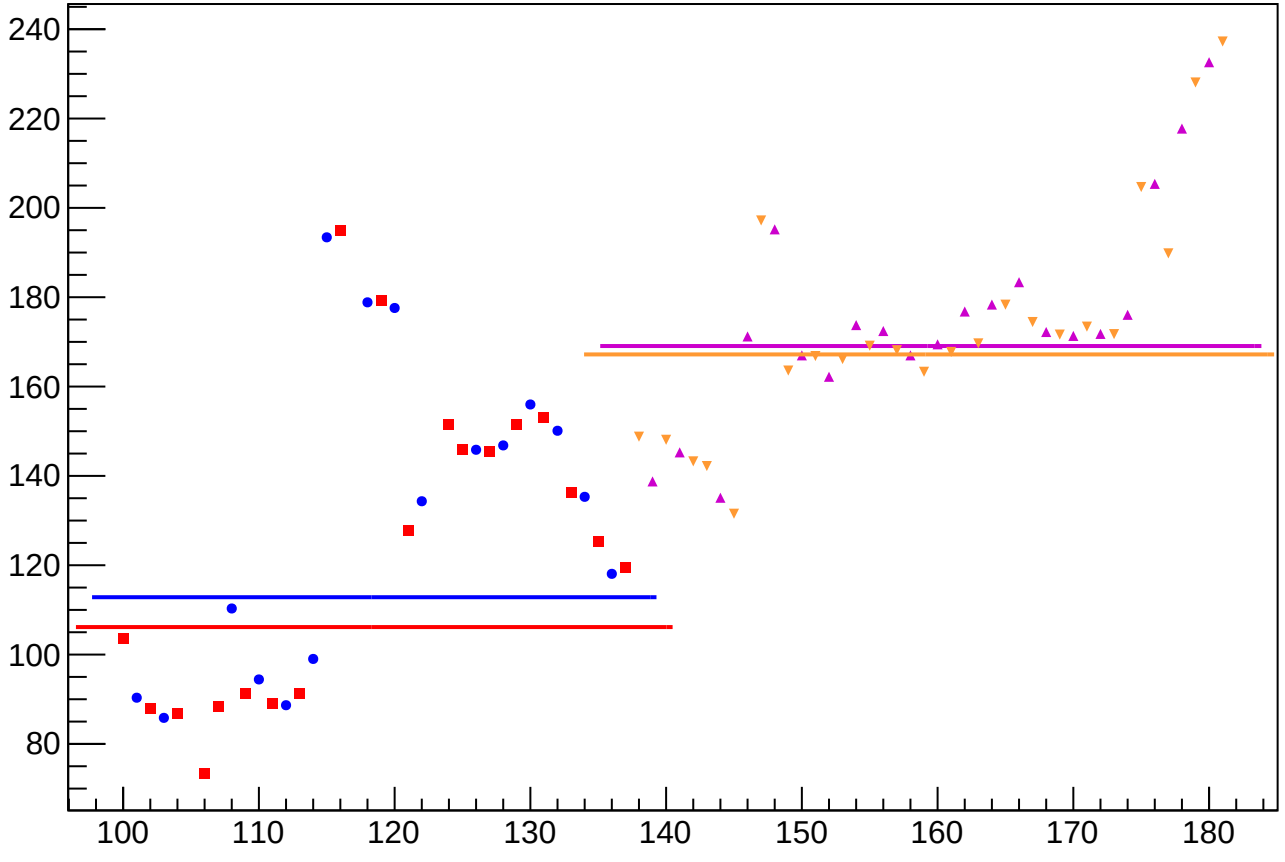
Left In: -202.204+/-41.109 χ^2/NDF:20.4/20

+ sign 115.947+/-29.205 χ^2/NDF: 48.6/38

All: -16.793+/-20.530 χ^2/NDF: 125.2/78

- sign -146.457+/-28.865 χ^2/NDF: 35.7/39

eigen_dit_asym_sam5_rms vs Slug



Right In: 112.842+/-0.031 χ^2/NDF: 872219.7/15

Left Out: 167.194+/-0.028 χ^2/NDF:636415.1/22

Right Out: 106.158+/-0.029 χ^2/NDF: 1002136.6/18

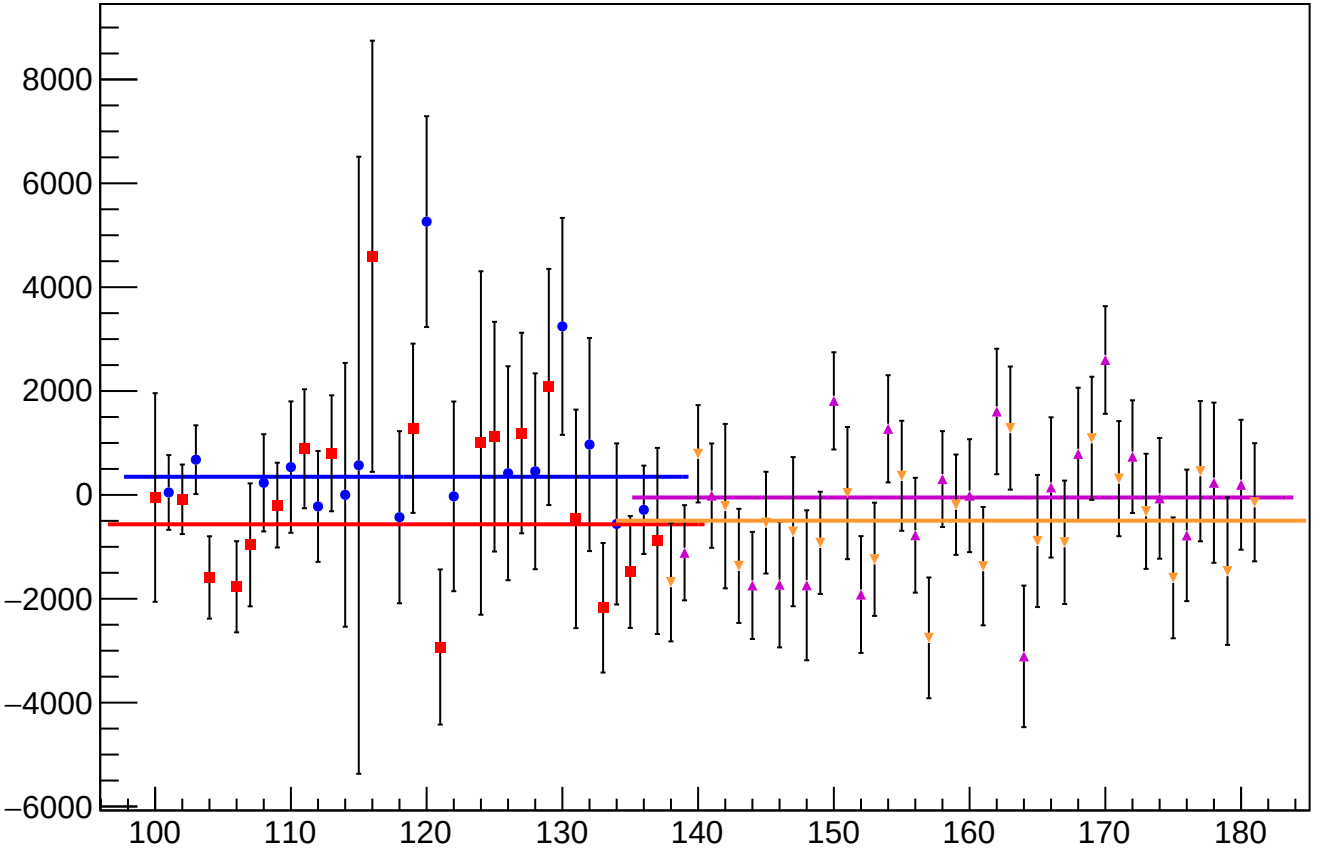
Left In: 169.073+/-0.029 χ^2/NDF:549571.3/20

+ sign 142.625+/-0.021 χ^2/NDF: 3224385.6/38

All: 139.869+/-0.015 χ^2/NDF: 7186246.9/78

- sign 137.176+/-0.020 χ^2/NDF: 3926639.4/39

asym_sam5_eigen_dit_correction_mean vs Slug



Right In: 349.111+/-305.328 χ^2/NDF: 9.8/15

Left Out: -496.607+/-238.647 χ^2/NDF:16.4/22

Right Out: -566.026+/-279.218 χ^2/NDF: 18.3/18

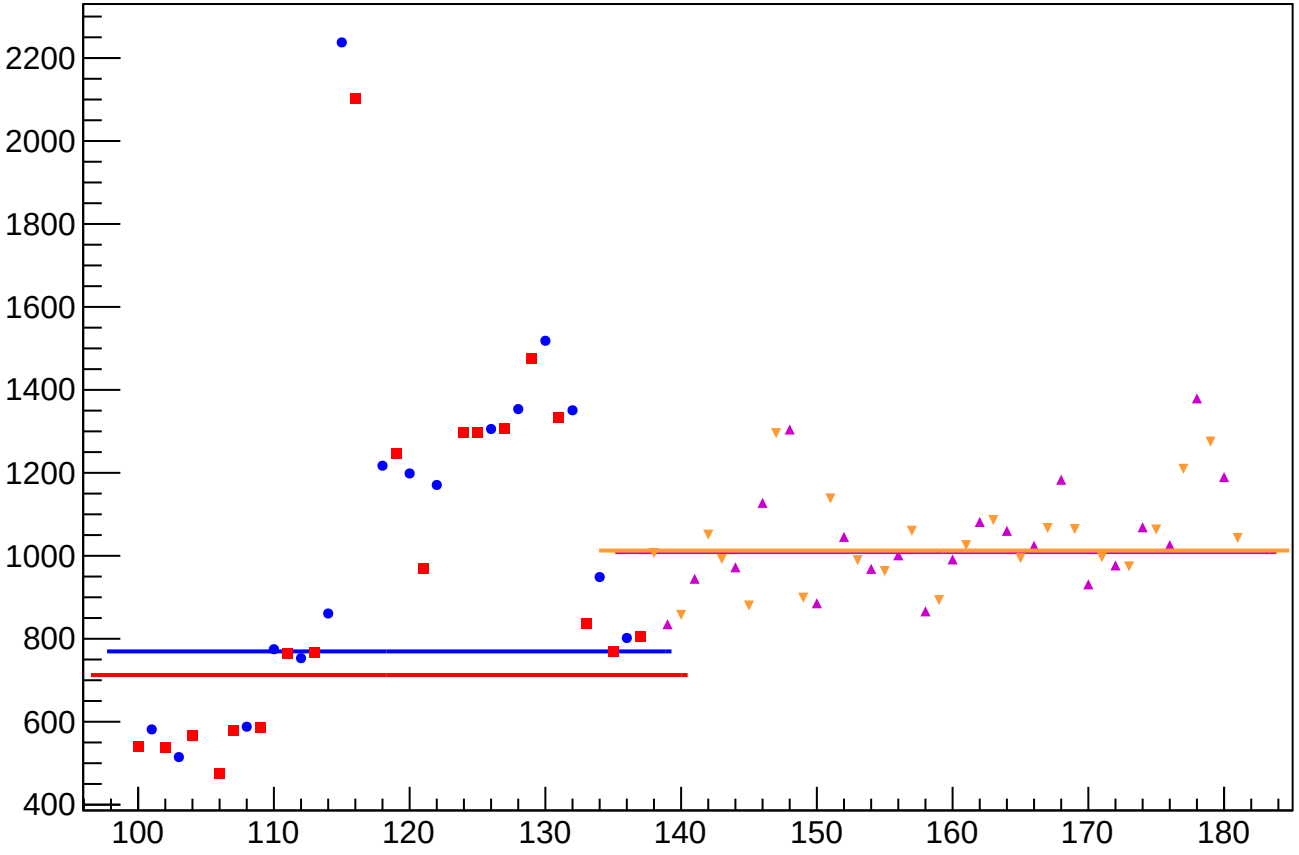
Left In: -49.524+/-245.523 χ^2/NDF:31.1/20

\+ sign -175.882+/-188.027 χ^2/NDF: 31.0/38

All: -226.281+/-131.646 χ^2/NDF: 82.4/78

\- sign -274.745+/-184.379 χ^2/NDF: 51.3/39

asym_sam5_eigen_dit_correction_rms vs Slug



Right In: 769.556+/-0.216 χ^2/NDF: 1739933.9/15

Left Out: 1012.683+/-0.169 χ^2/NDF:391778.2/22

Right Out: 712.627+/-0.197 χ^2/NDF: 1767219.7/18

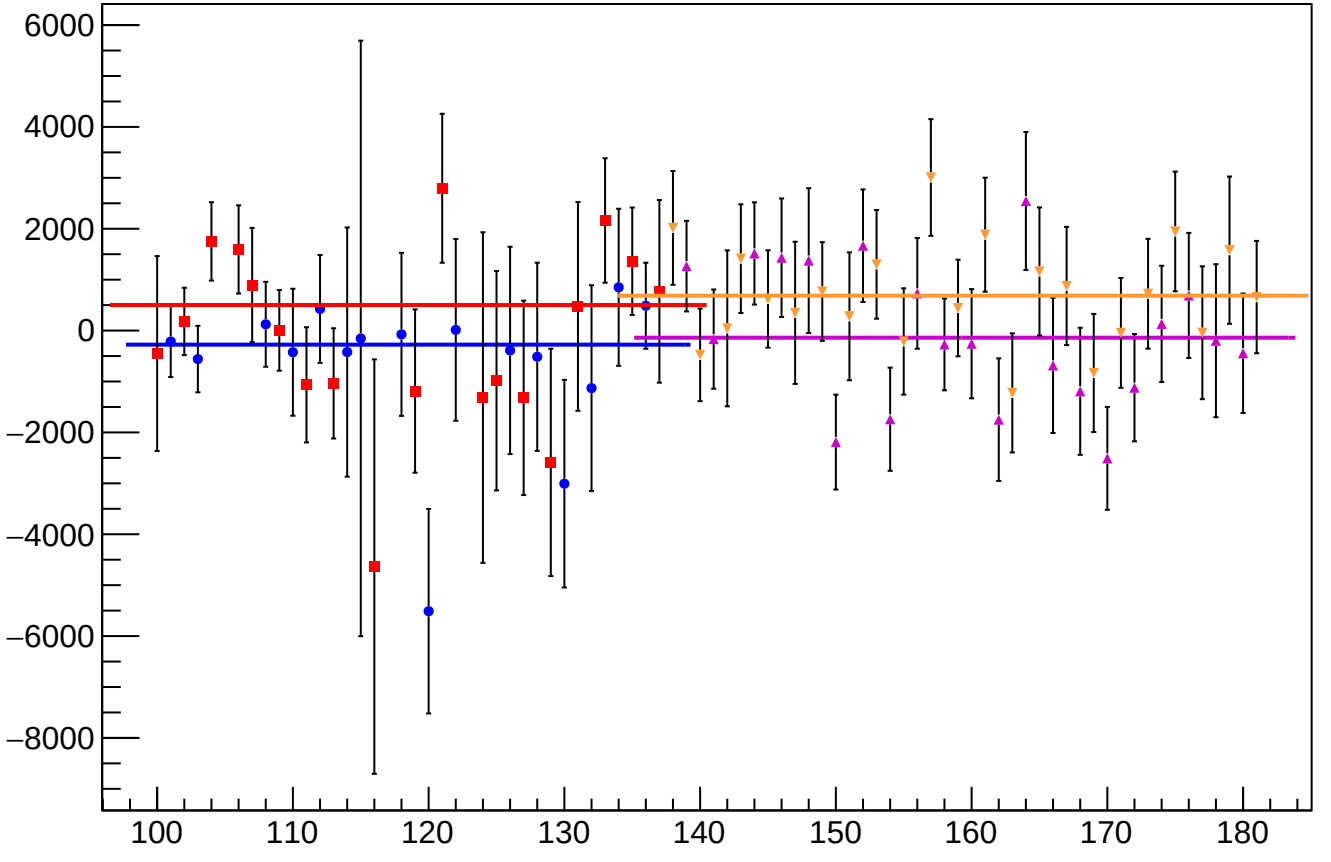
Left In: 1008.951+/-0.174 χ^2/NDF:497847.3/20

+ sign 920.481+/-0.133 χ^2/NDF: 2918926.3/38

All: 899.711+/-0.093 χ^2/NDF: 6502191.7/78

- sign 879.739+/-0.130 χ^2/NDF: 3535394.0/39

asym_sam5_mean vs Slug



Right In: -276.199+/-296.708 χ^2/NDF: 11.1/15

Left Out: 685.517+/-234.006 χ^2/NDF:17.1/22

Right Out: 501.985+/-272.991 χ^2/NDF: 20.5/18

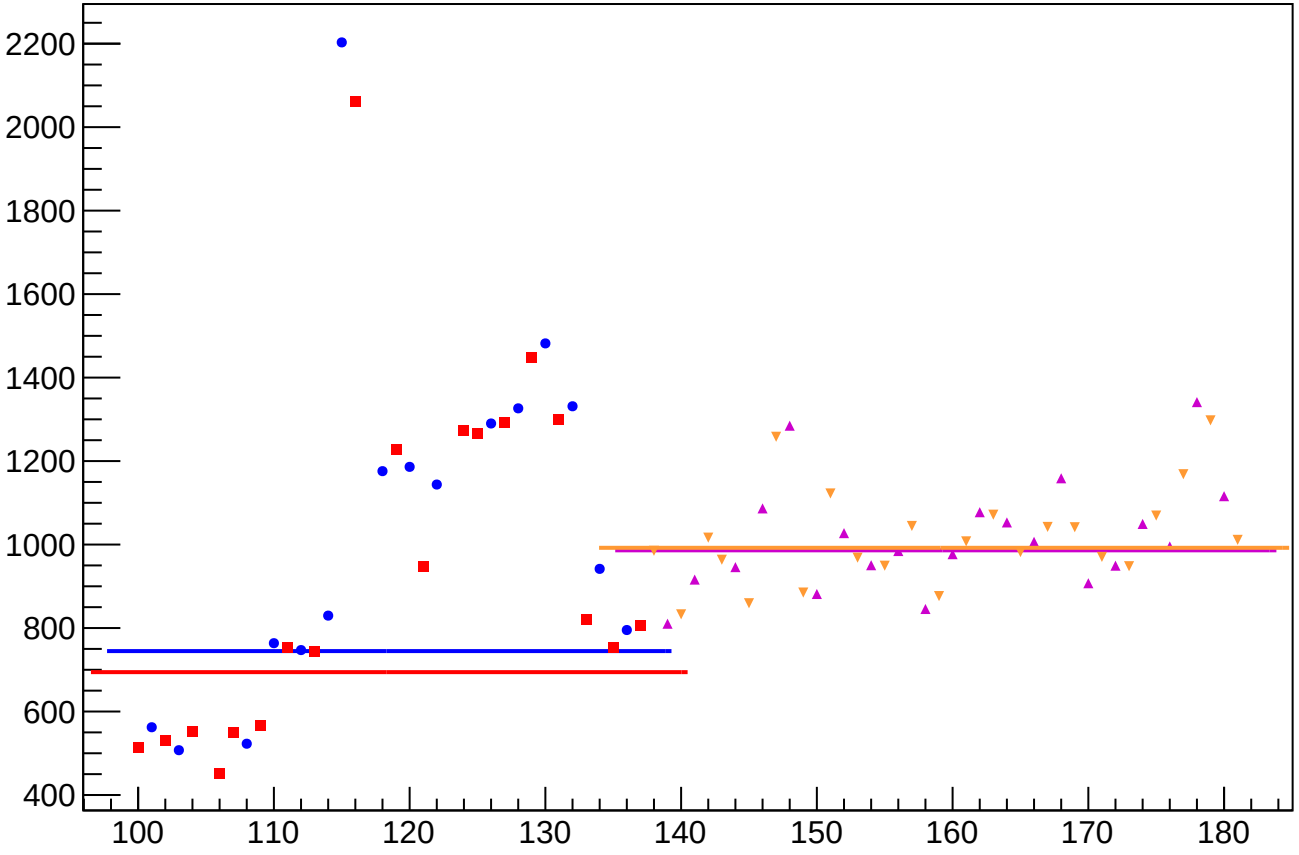
Left In: -139.820+/-240.002 χ^2/NDF:32.4/20

+ sign 316.719+/-183.739 χ^2/NDF: 34.6/38

All: 226.655+/-128.671 χ^2/NDF: 91.1/78

- sign 139.980+/-180.248 χ^2/NDF: 56.0/39

asym_sam5_rms vs Slug



Right In: 744.783+/-0.210 χ^2/NDF: 1822553.5/15

Left Out: 992.228+/-0.165 χ^2/NDF:414918.3/22

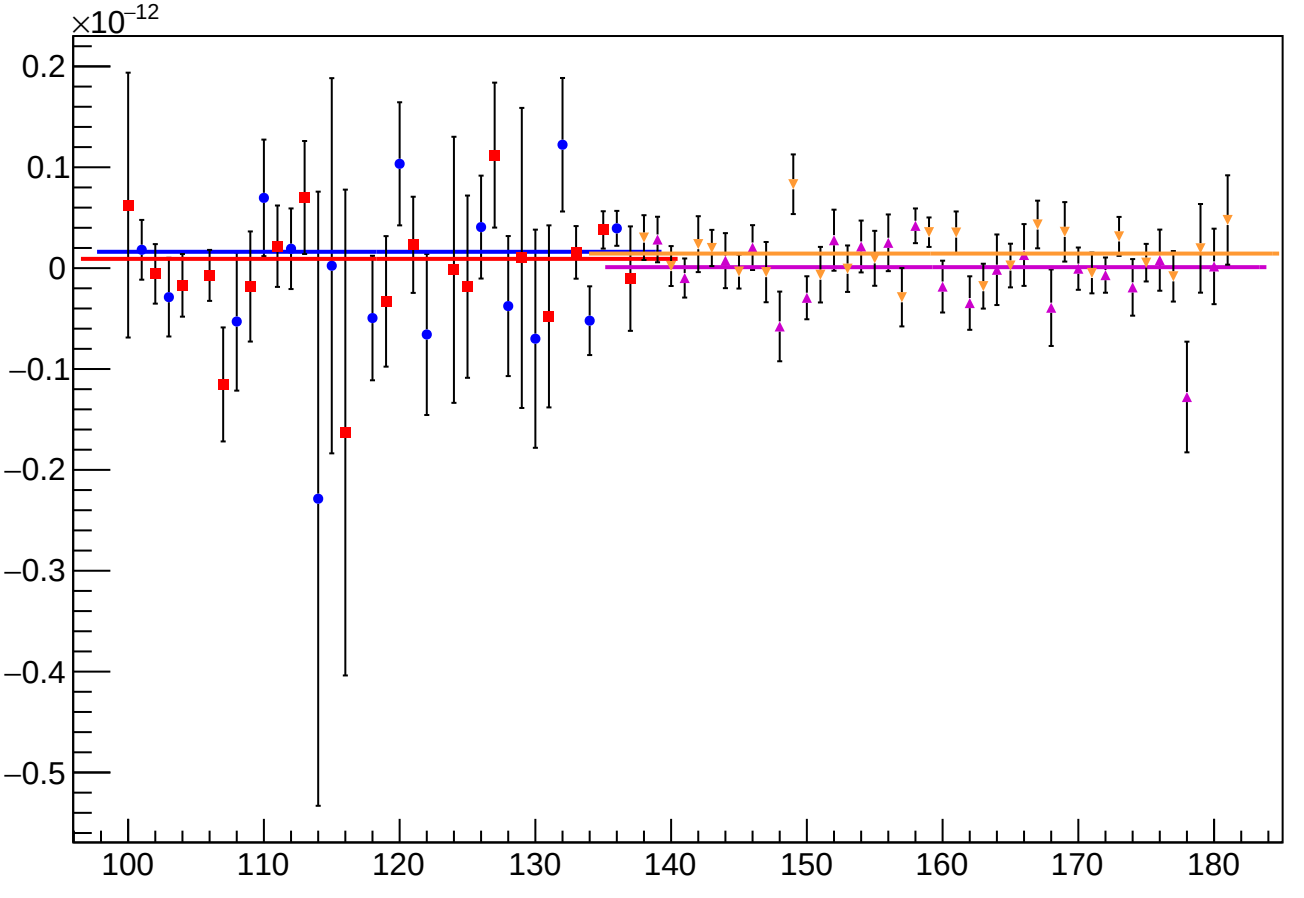
Right Out: 694.348+/-0.193 χ^2/NDF: 1803741.9/18

Left In: 986.177+/-0.170 χ^2/NDF:486146.3/20

+ sign 897.338+/-0.130 χ^2/NDF: 3095057.0/38

All: 877.777+/-0.091 χ^2/NDF: 6718575.5/78

- sign 858.952+/-0.127 χ^2/NDF: 3579035.3/39



Right In: 0.000+/-0.000 χ^2/NDF: 18.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:22.1/22

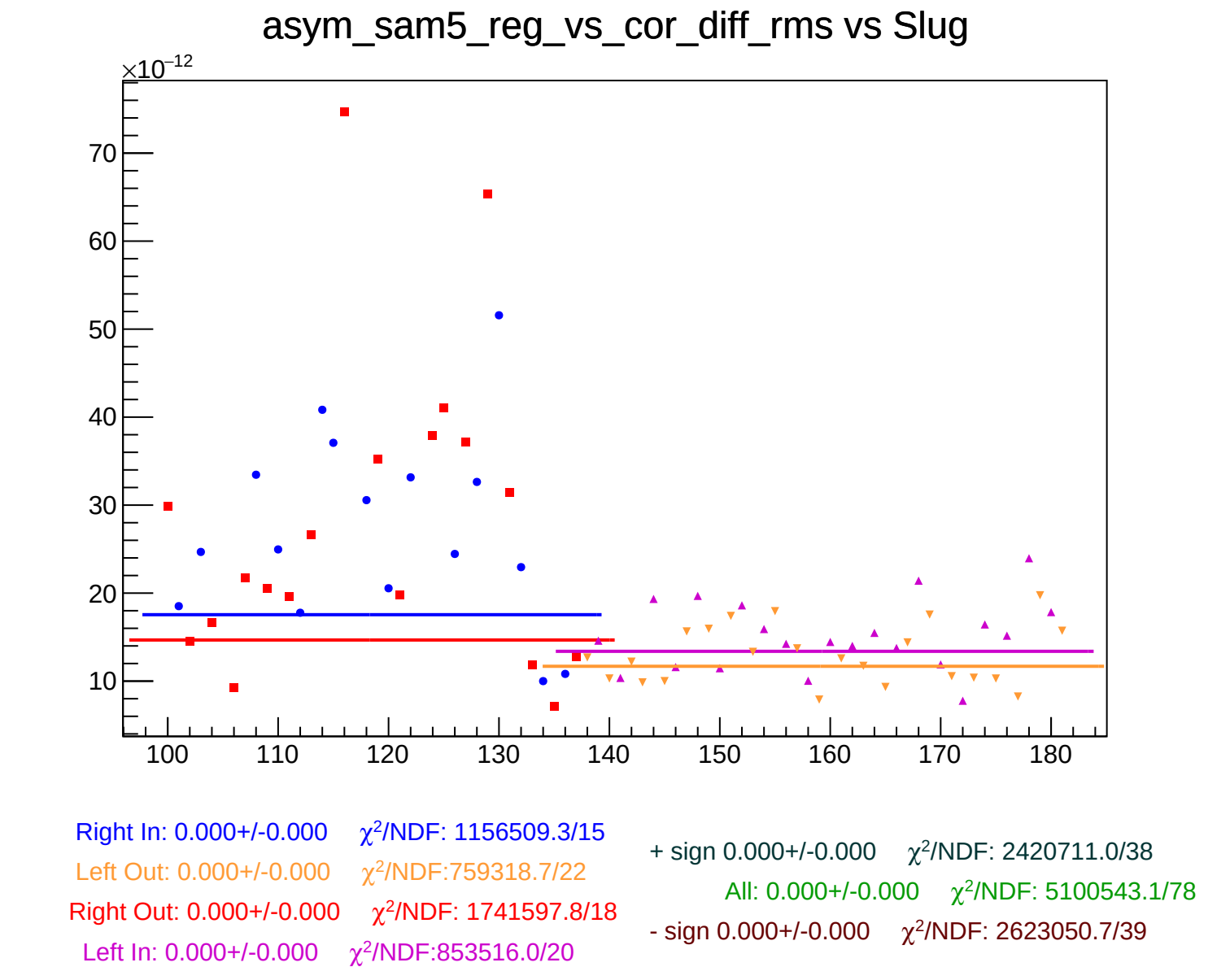
Right Out: 0.000+/-0.000 χ^2/NDF: 14.1/18

Left In: 0.000+/-0.000 χ^2/NDF:25.3/20

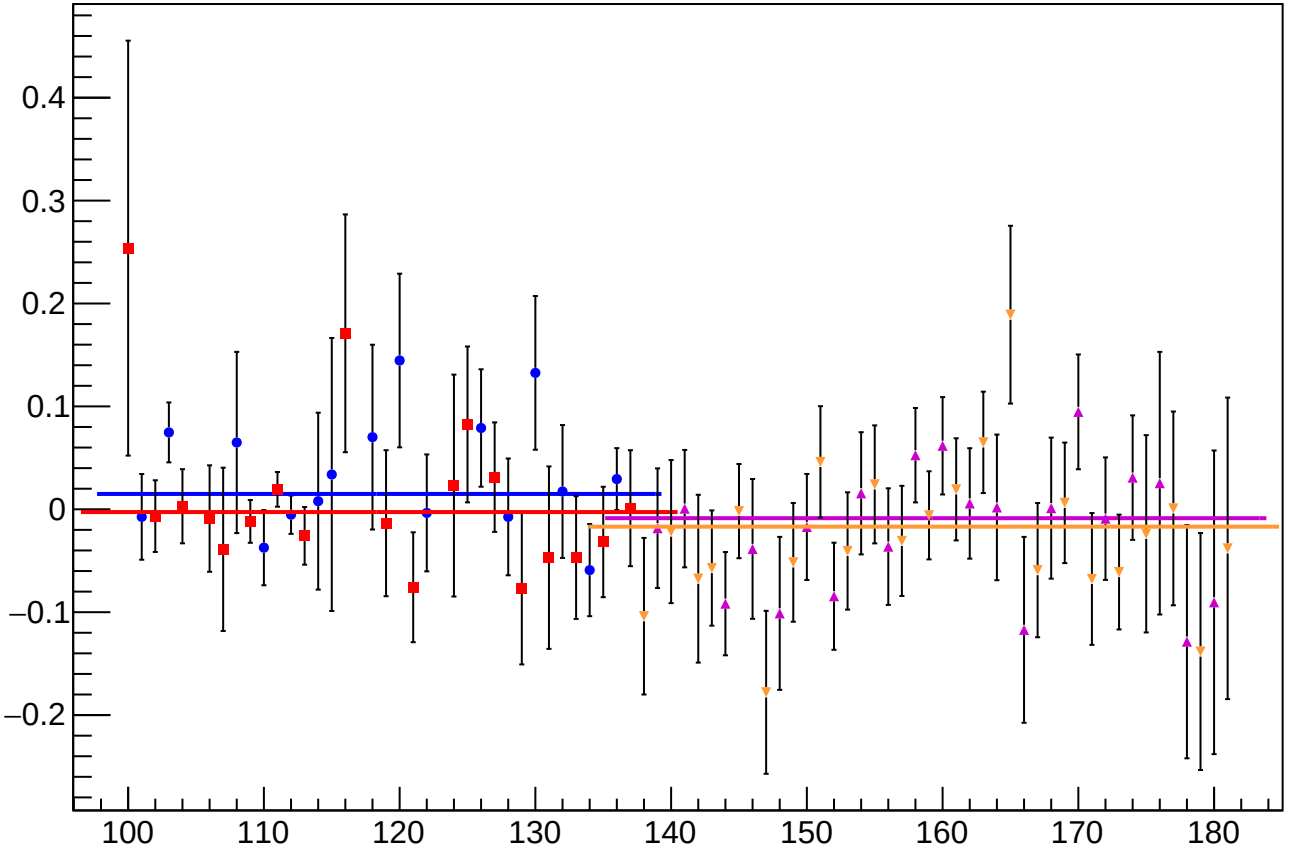
+ sign 0.000+/-0.000 χ^2/NDF: 40.1/38

All: 0.000+/-0.000 χ^2/NDF: 83.3/78

- sign 0.000+/-0.000 χ^2/NDF: 40.0/39


asym_sam5_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: 1156509.3/15
Left Out: 0.000+/-0.000 χ²/NDF:759318.7/22
Right Out: 0.000+/-0.000 χ²/NDF: 1741597.8/18
Left In: 0.000+/-0.000 χ²/NDF:853516.0/20
+ sign 0.000+/-0.000 χ²/NDF: 2420711.0/38
All: 0.000+/-0.000 χ²/NDF: 5100543.1/78
- sign 0.000+/-0.000 χ²/NDF: 2623050.7/39

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:21.0/22

Right Out: -0.003+/-0.009 χ^2/NDF: 12.5/18

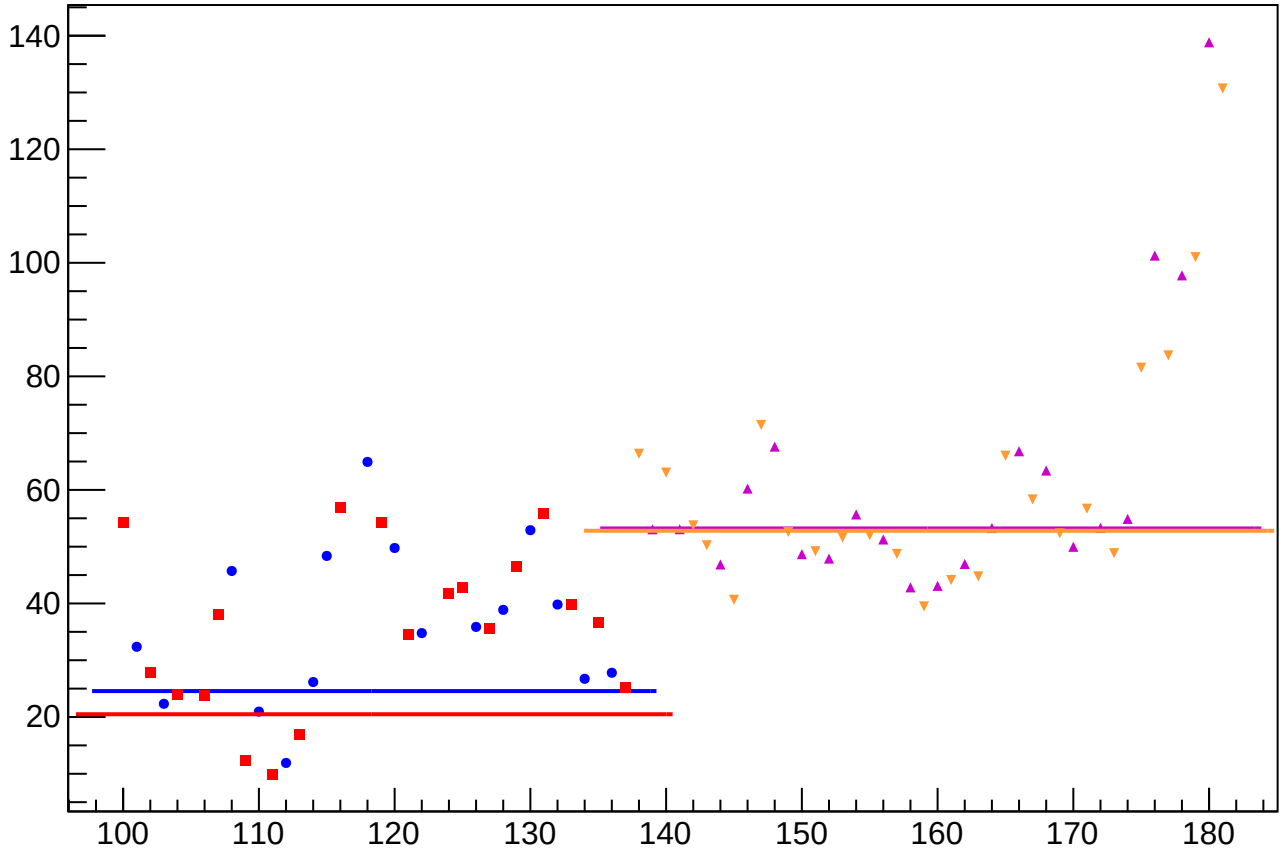
Left In: -0.009+/-0.013 χ^2/NDF:18.0/20

+ sign 0.002+/-0.008 χ^2/NDF: 42.4/38

All: -0.001+/-0.006 χ^2/NDF: 73.3/78

- sign -0.005+/-0.008 χ^2/NDF: 30.6/39

asym_sam5_dit_vs_cor_diff_rms vs Slug



Right In: 24.566+/-0.007 χ^2/NDF: 2484530.5/15

Left Out: 52.804+/-0.009 χ^2/NDF:2082558.5/22

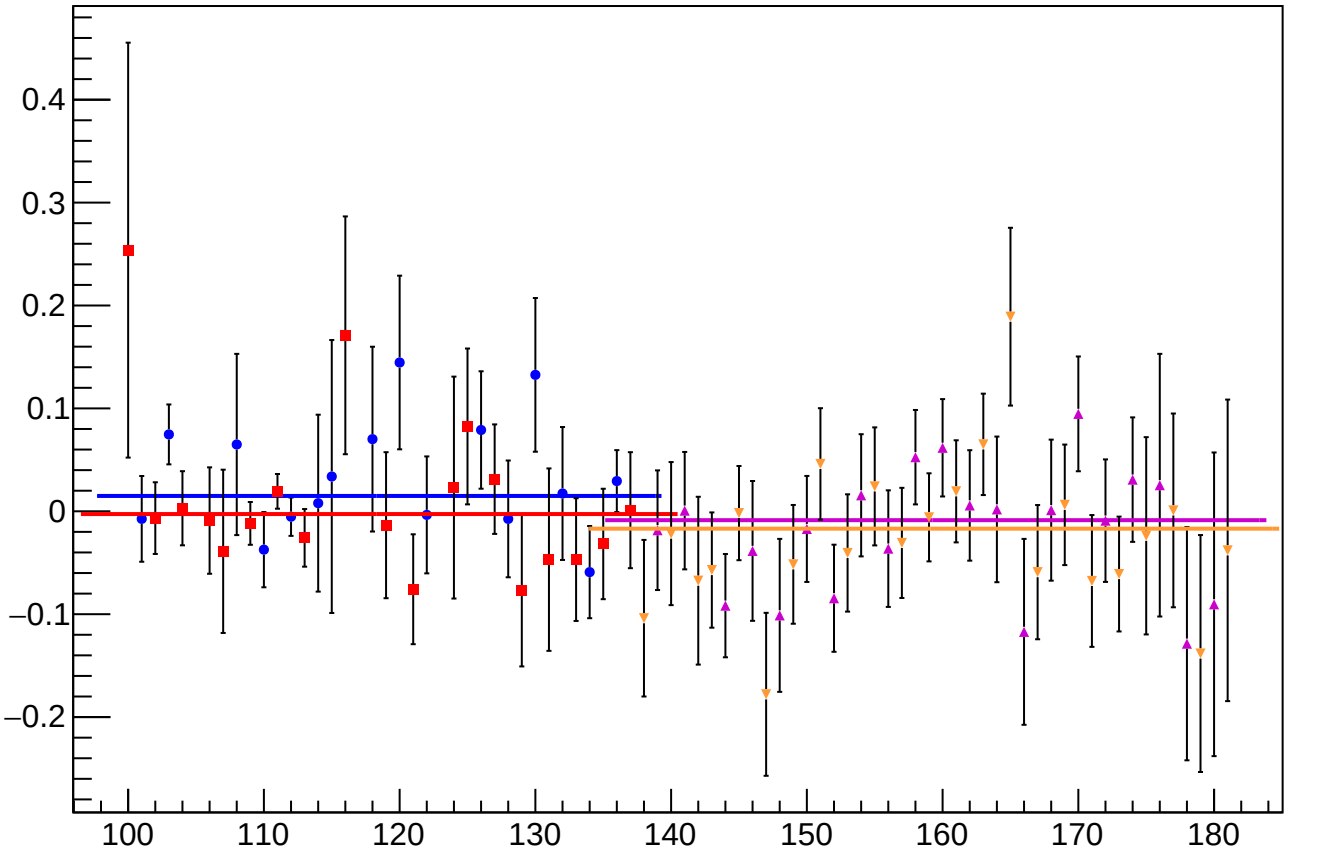
Right Out: 20.488+/-0.007 χ^2/NDF: 3583938.4/18

Left In: 53.211+/-0.009 χ^2/NDF:1755475.4/20

+ sign 35.944+/-0.006 χ^2/NDF: 10299746.0/38

All: 33.318+/-0.004 χ^2/NDF: 24149206.5/78

- sign 31.057+/-0.005 χ^2/NDF: 13466000.1/39



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.017+/-0.013 χ^2/NDF:21.0/22

Right Out: -0.003+/-0.009 χ^2/NDF: 12.5/18

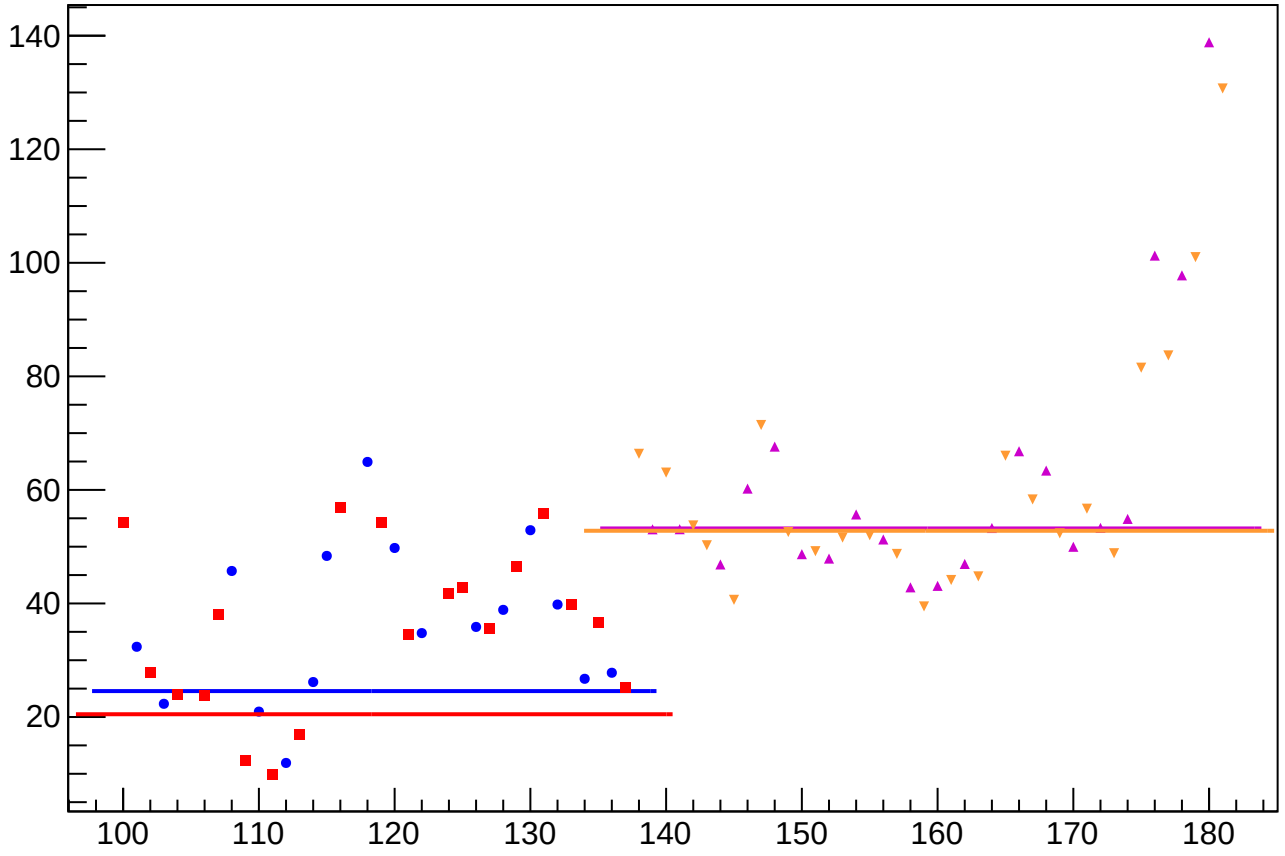
Left In: -0.009+/-0.013 χ^2/NDF:18.0/20

+ sign 0.002+/-0.008 χ^2/NDF: 42.4/38

All: -0.001+/-0.006 χ^2/NDF: 73.3/78

- sign -0.005+/-0.008 χ^2/NDF: 30.6/39

asym_sam5_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 24.566+/-0.007 χ^2/NDF: 2484530.5/15

Left Out: 52.804+/-0.009 χ^2/NDF:2082558.5/22

Right Out: 20.488+/-0.007 χ^2/NDF: 3583938.4/18

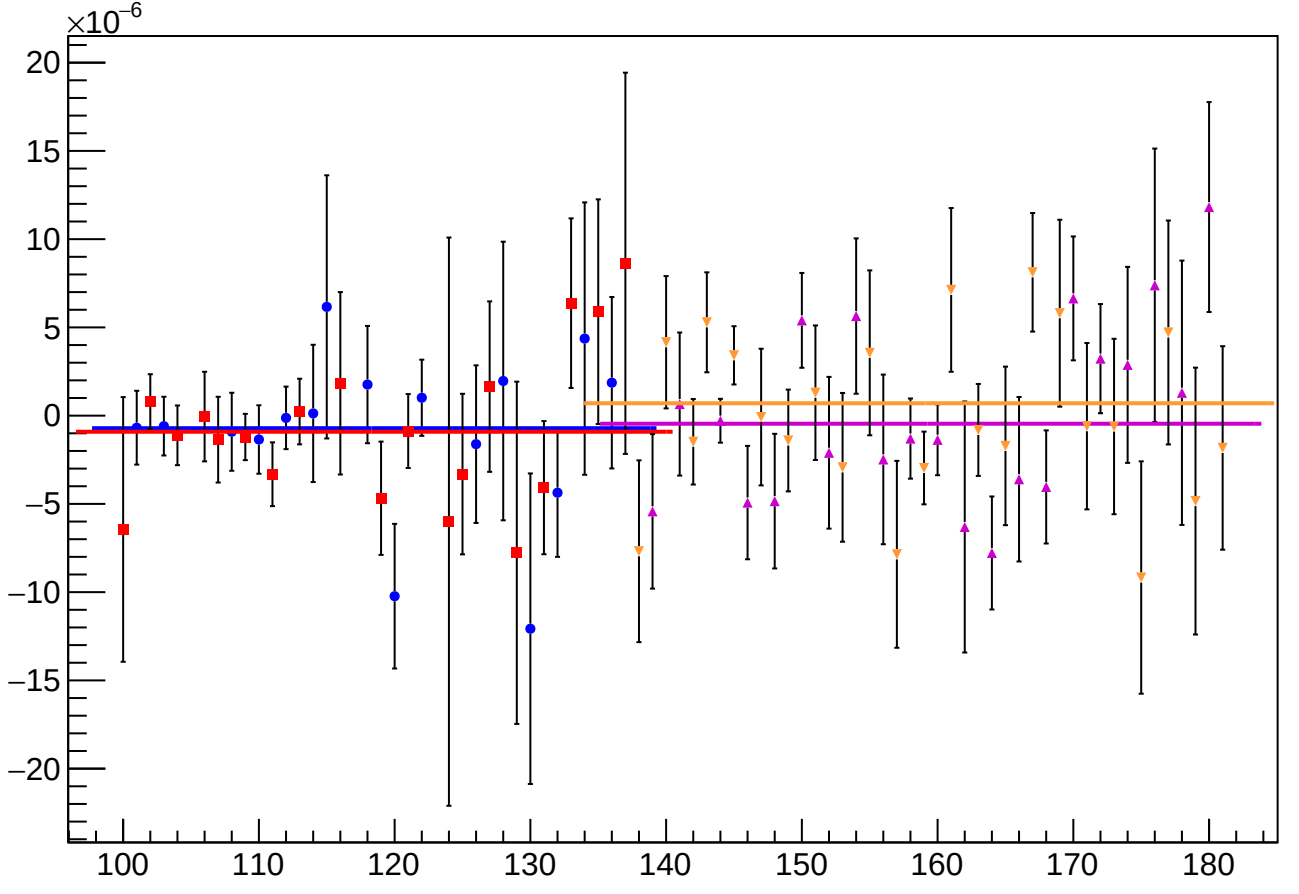
Left In: 53.211+/-0.009 χ^2/NDF:1755475.4/20

+ sign 35.944+/-0.006 χ^2/NDF: 10299746.0/38

All: 33.318+/-0.004 χ^2/NDF: 24149206.5/78

- sign 31.057+/-0.005 χ^2/NDF: 13466000.1/39

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:29.0/22

Right Out: -0.000+/-0.000 χ^2/NDF: 11.9/18

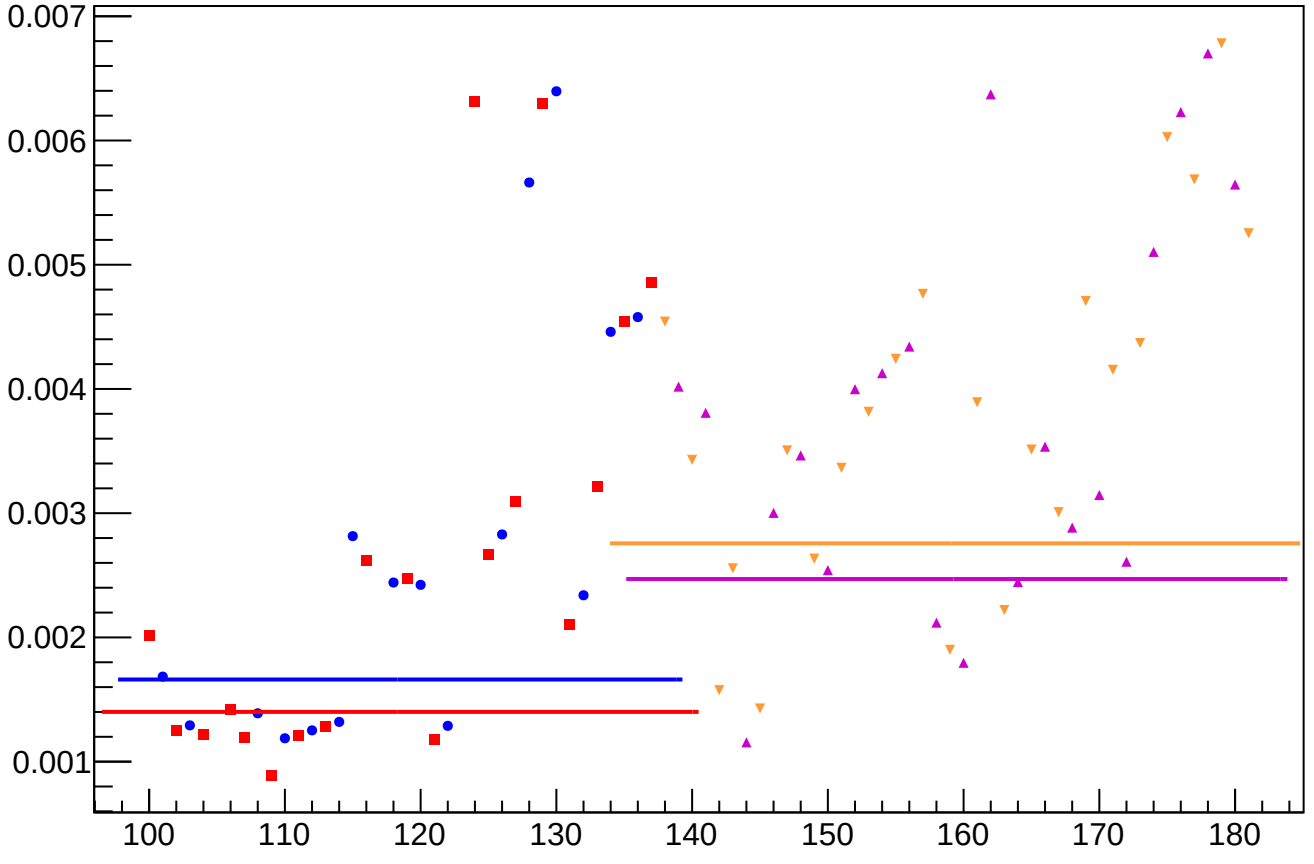
Left In: -0.000+/-0.000 χ^2/NDF:30.8/20

+ sign -0.000+/-0.000 χ^2/NDF: 42.3/38

All: -0.000+/-0.000 χ^2/NDF: 86.3/78

- sign -0.000+/-0.000 χ^2/NDF: 42.9/39

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:5970846.4/22

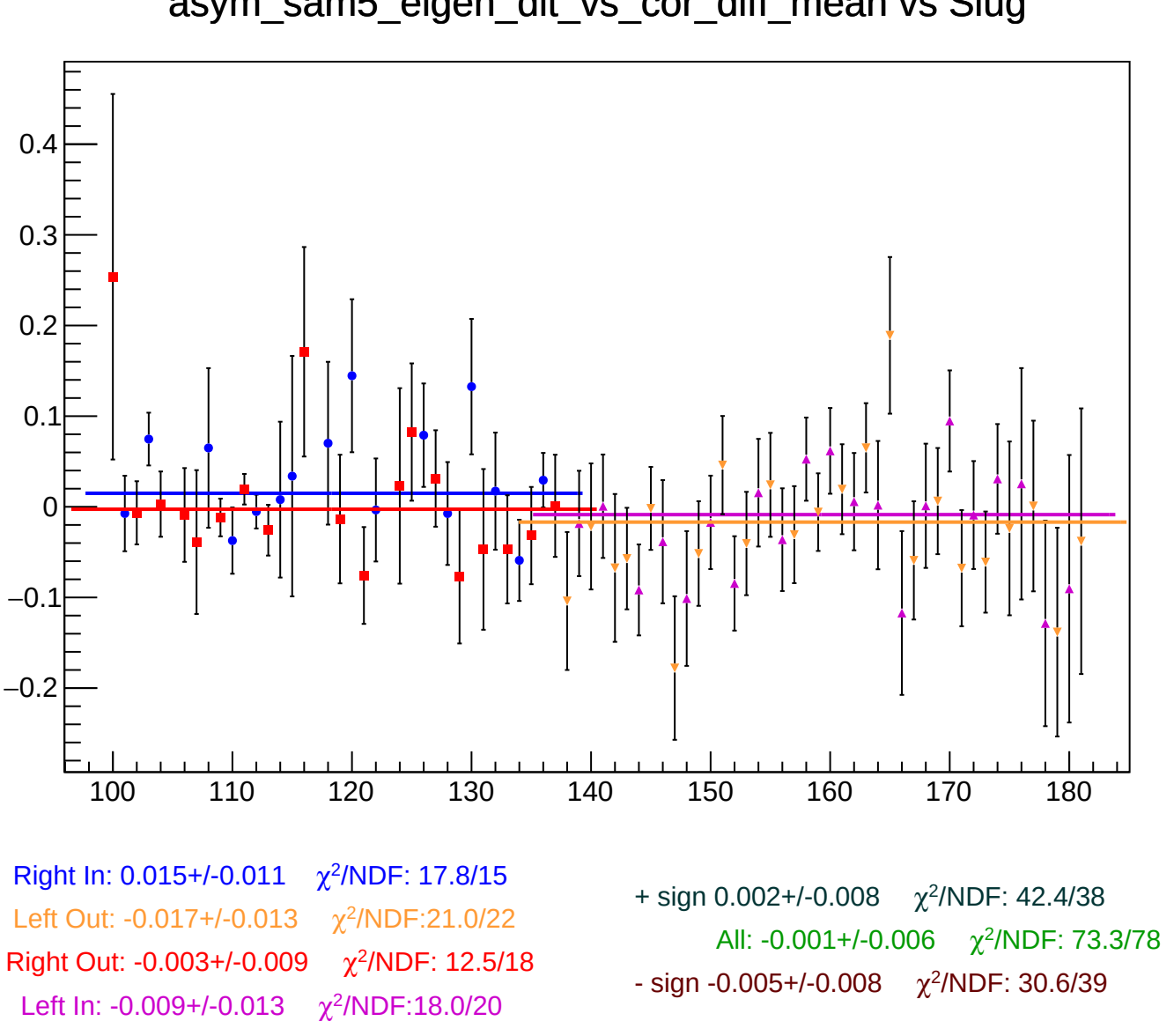
Right Out: 0.001+/-0.000 χ^2/NDF: 2915624.2/18

Left In: 0.002+/-0.000 χ^2/NDF:6963519.7/20

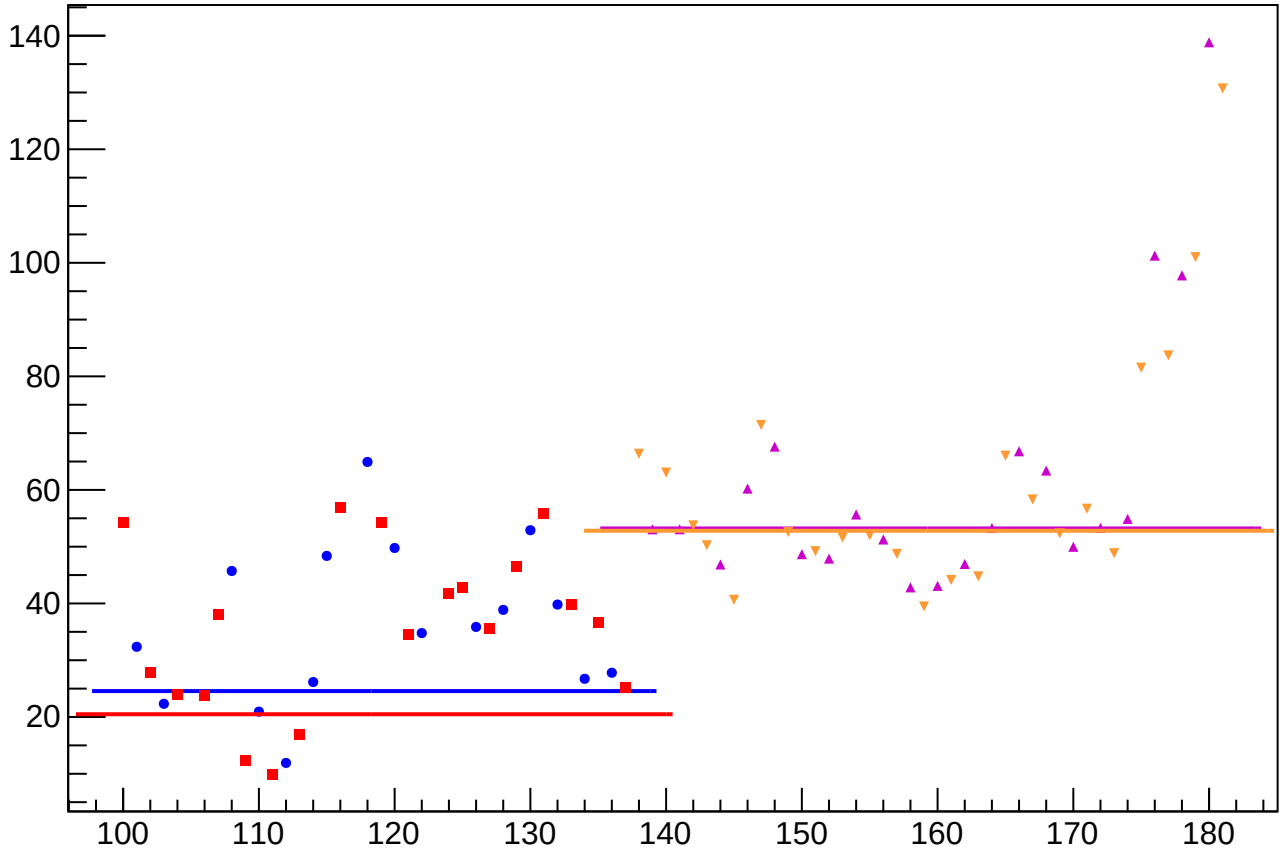
+ sign 0.002+/-0.000 χ^2/NDF: 11309413.8/38

All: 0.002+/-0.000 χ^2/NDF: 24549282.5/78

- sign 0.002+/-0.000 χ^2/NDF: 12739774.7/39


asym_sam5_eigen_dit_vs_cor_diff_mean vs Slug
0.4
0.3
0.2
0.1
0
−0.1
−0.2
100
110
120
130
140
150
160
170
180
Right In: 0.015+/-0.011 χ²/NDF: 17.8/15
Left Out: -0.017+/-0.013 χ²/NDF:21.0/22
Right Out: -0.003+/-0.009 χ²/NDF: 12.5/18
Left In: -0.009+/-0.013 χ²/NDF:18.0/20
+ sign 0.002+/-0.008 χ²/NDF: 42.4/38
All: -0.001+/-0.006 χ²/NDF: 73.3/78
- sign -0.005+/-0.008 χ²/NDF: 30.6/39

asym_sam5_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 24.566+/-0.007 χ^2/NDF: 2484434.5/15

Left Out: 52.804+/-0.009 χ^2/NDF:2082607.9/22

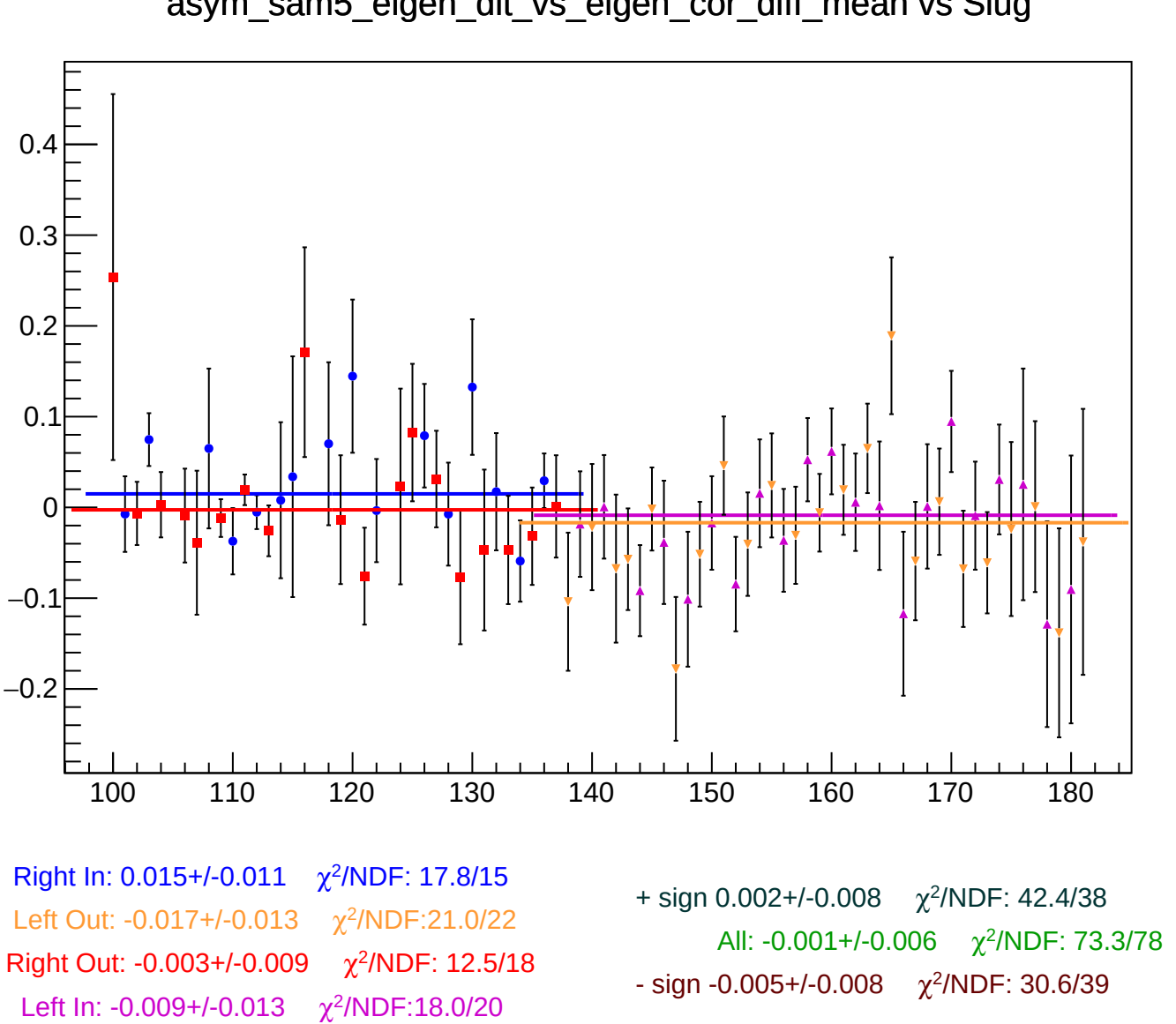
Right Out: 20.487+/-0.007 χ^2/NDF: 3583888.1/18

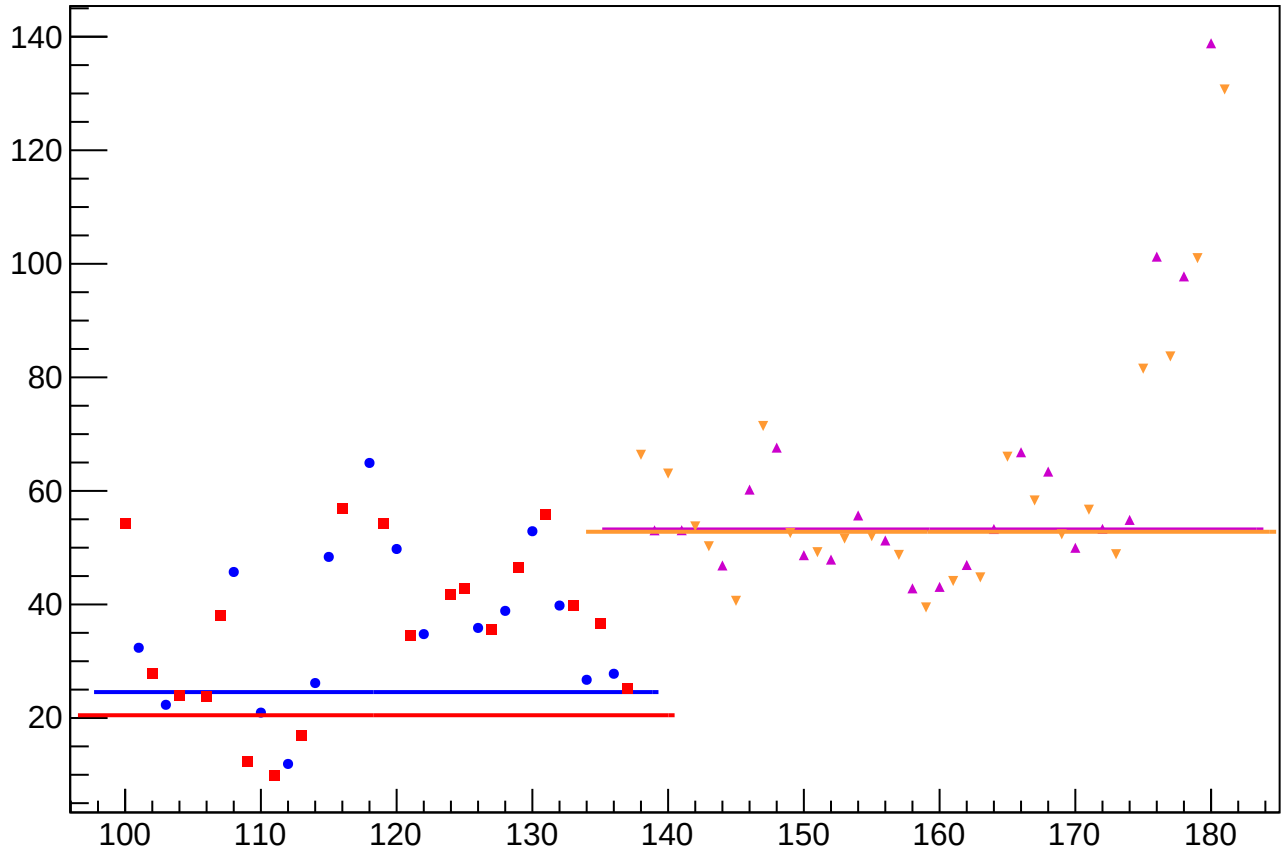
Left In: 53.211+/-0.009 χ^2/NDF:1755518.4/20

+ sign 35.943+/-0.006 χ^2/NDF: 10300068.0/38

All: 33.318+/-0.004 χ^2/NDF: 24149993.3/78

- sign 31.057+/-0.005 χ^2/NDF: 13466434.9/39


asym_sam5_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.4
0.3
0.2
0.1
0
−0.1
−0.2
100
110
120
130
140
150
160
170
180
Right In: 0.015+/-0.011 χ²/NDF: 17.8/15
Left Out: -0.017+/-0.013 χ²/NDF:21.0/22
Right Out: -0.003+/-0.009 χ²/NDF: 12.5/18
Left In: -0.009+/-0.013 χ²/NDF:18.0/20
+ sign 0.002+/-0.008 χ²/NDF: 42.4/38
All: -0.001+/-0.006 χ²/NDF: 73.3/78
- sign -0.005+/-0.008 χ²/NDF: 30.6/39



Right In: 24.566+/-0.007 χ^2/NDF: 2484434.5/15

Left Out: 52.804+/-0.009 χ^2/NDF:2082607.9/22

Right Out: 20.487+/-0.007 χ^2/NDF: 3583888.1/18

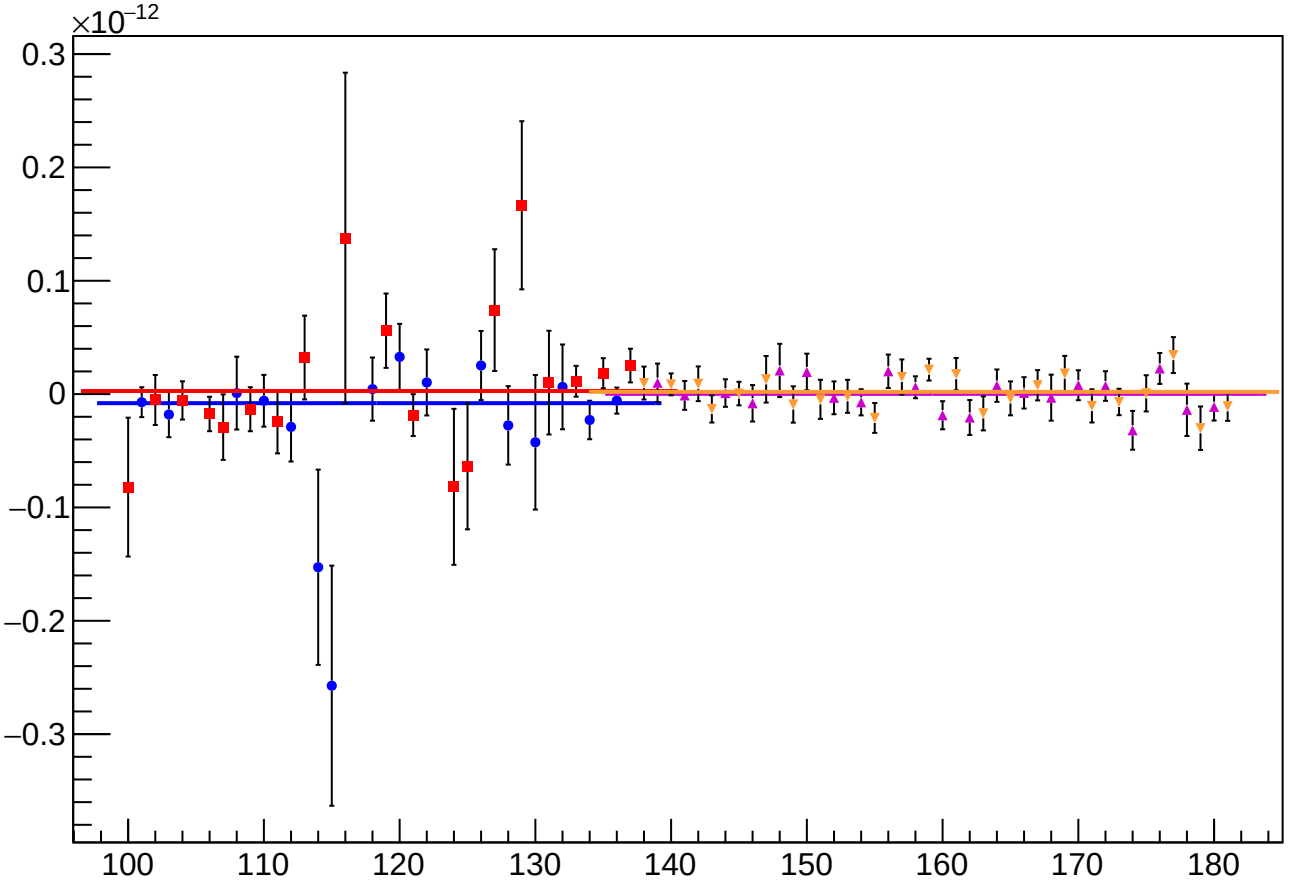
Left In: 53.211+/-0.009 χ^2/NDF:1755518.4/20

+ sign 35.943+/-0.006 χ^2/NDF: 10300068.0/38

All: 33.318+/-0.004 χ^2/NDF: 24149993.3/78

- sign 31.057+/-0.005 χ^2/NDF: 13466434.9/39

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:24.9/22

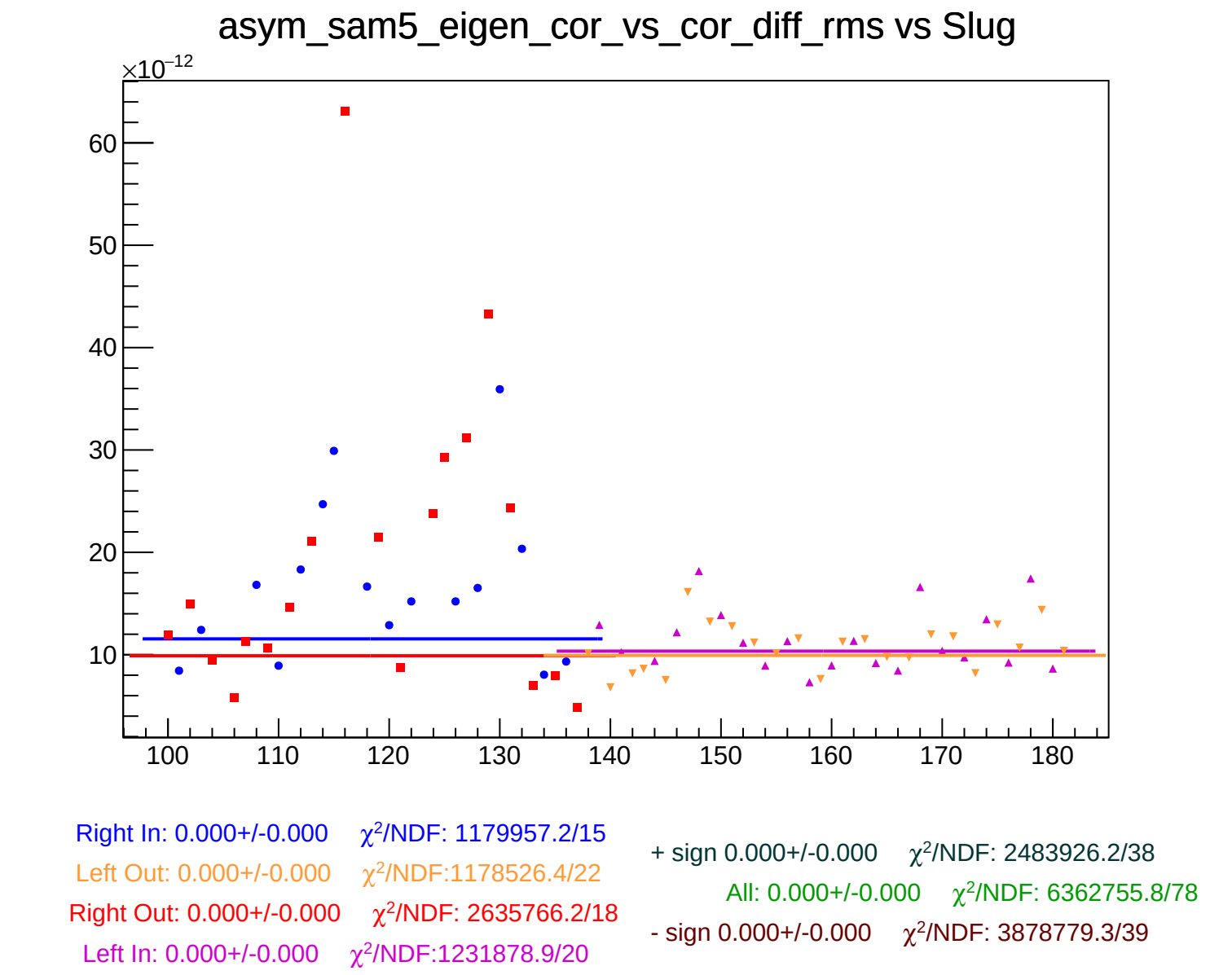
Right Out: 0.000+/-0.000 χ^2/NDF: 26.1/18

Left In: 0.000+/-0.000 χ^2/NDF:18.0/20

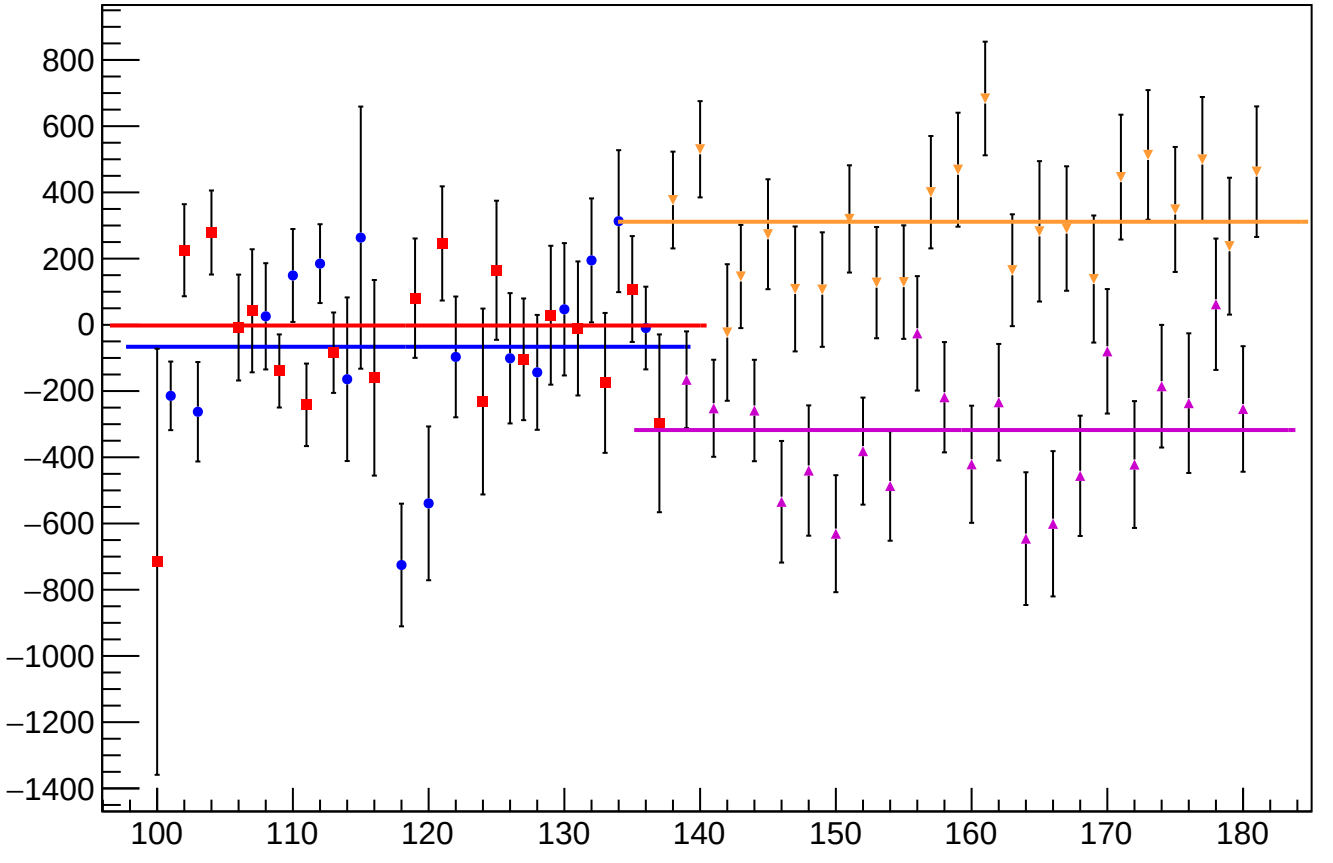
+ sign 0.000+/-0.000 χ^2/NDF: 41.8/38

All: 0.000+/-0.000 χ^2/NDF: 86.2/78

- sign 0.000+/-0.000 χ^2/NDF: 44.3/39


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:1178526.4/22
Right Out: 0.000+/-0.000 χ²/NDF: 2635766.2/18
Left In: 0.000+/-0.000 χ²/NDF:1231878.9/20
+ sign 0.000+/-0.000 χ²/NDF: 2483926.2/38
All: 0.000+/-0.000 χ²/NDF: 6362755.8/78
- sign 0.000+/-0.000 χ²/NDF: 3878779.3/39

reg_asym_sam6_mean vs Slug



Right In: -66.230+/-40.937 χ^2/NDF: 34.4/15

Left Out: 311.377+/-36.787 χ^2/NDF:21.9/22

Right Out: -2.017+/-38.866 χ^2/NDF: 21.1/18

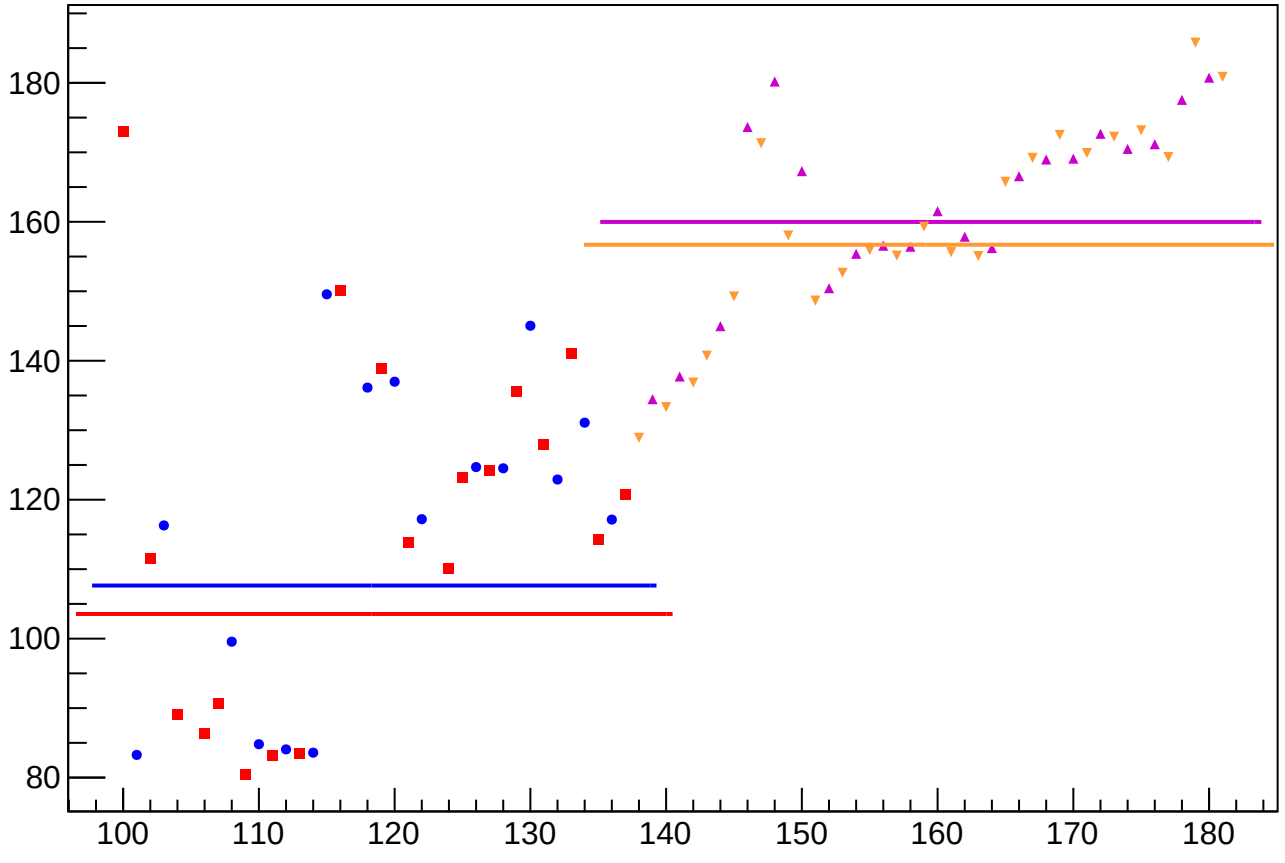
Left In: -317.720+/-38.679 χ^2/NDF:22.6/20

+ sign 142.677+/-27.362 χ^2/NDF: 103.4/38

All: -8.679+/-19.367 χ^2/NDF: 241.5/78

- sign -160.631+/-27.416 χ^2/NDF: 76.8/39

reg_asym_sam6_rms vs Slug



Right In: 107.644+/-0.029 χ^2/NDF: 532821.7/15

Left Out: 156.699+/-0.026 χ^2/NDF:328982.2/22

Right Out: 103.550+/-0.027 χ^2/NDF: 617345.0/18

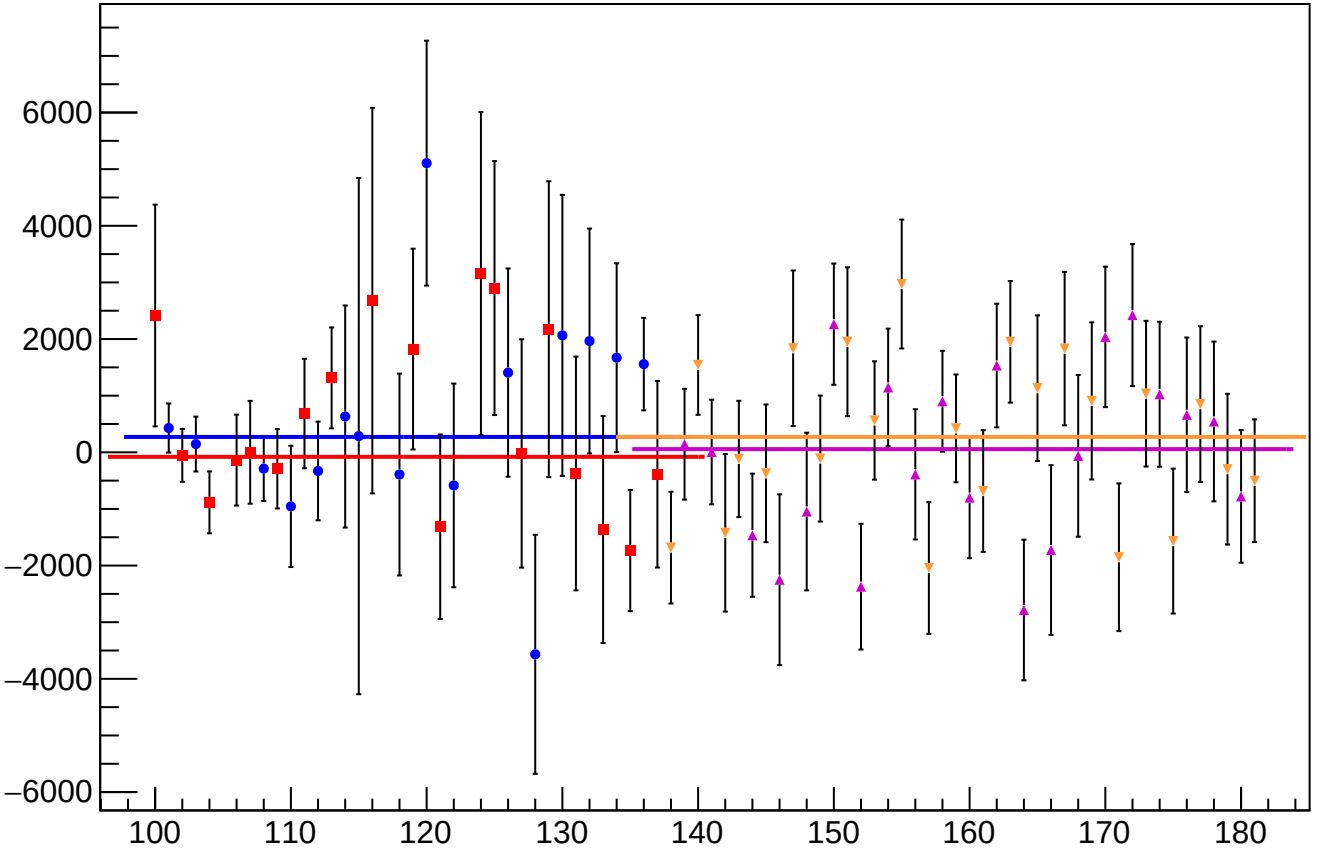
Left In: 159.980+/-0.027 χ^2/NDF:245113.1/20

+ sign 134.783+/-0.019 χ^2/NDF: 2450640.7/38

All: 133.345+/-0.014 χ^2/NDF: 5442371.6/78

- sign 131.901+/-0.019 χ^2/NDF: 2980657.3/39

asym_sam6_reg_correction_mean vs Slug



Right In: 271.505+/-230.663 χ^2/NDF: 16.5/15

Left Out: 271.847+/-242.110 χ^2/NDF:31.8/22

Right Out: -80.094+/-232.154 χ^2/NDF: 16.0/18

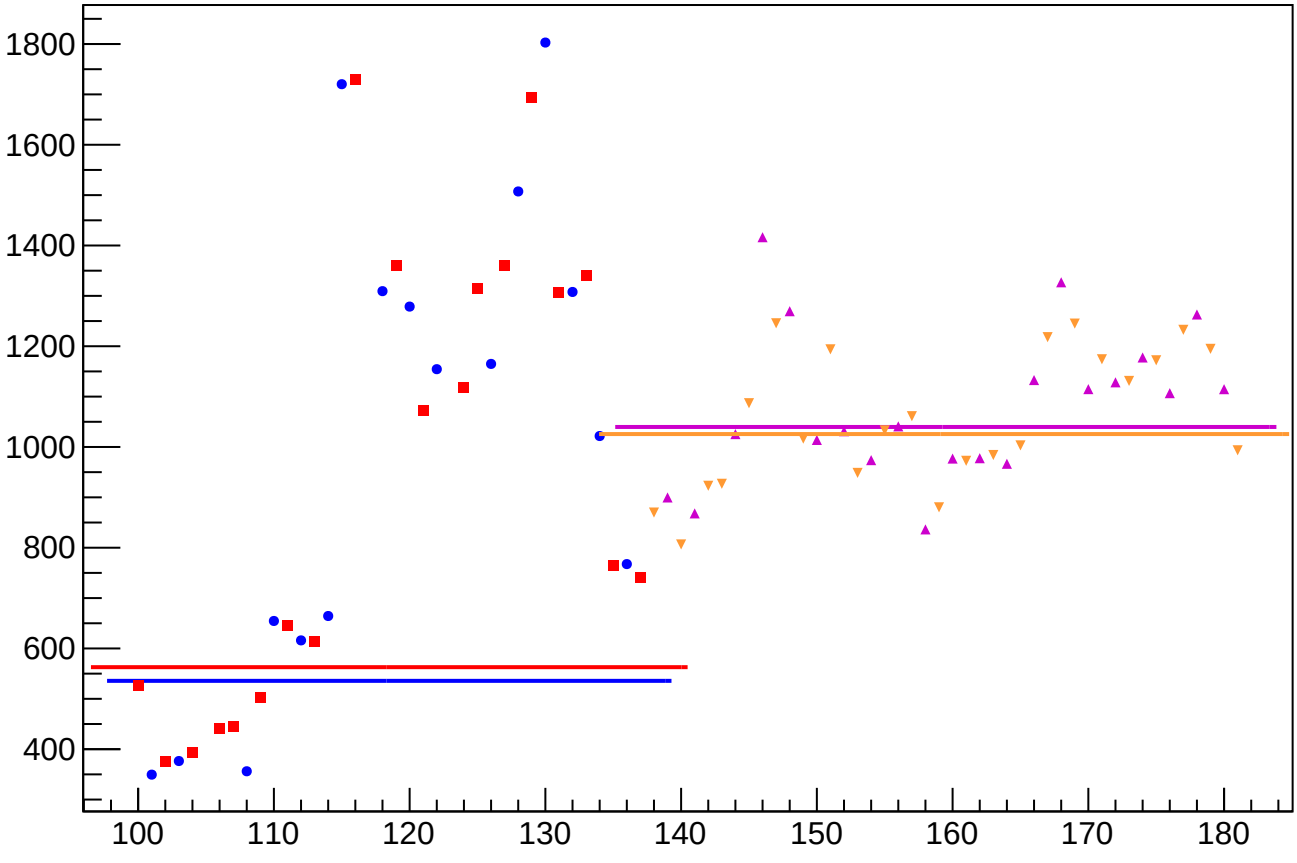
Left In: 56.327+/-253.150 χ^2/NDF:32.7/20

+ sign 271.667+/-167.003 χ^2/NDF: 48.3/38

All: 130.453+/-119.511 χ^2/NDF: 98.7/78

- sign -17.775+/-171.100 χ^2/NDF: 48.9/39

asym_sam6_reg_correction_rms vs Slug



Right In: 535.683+/-0.163 χ^2/NDF: 3632390.5/15

Left Out: 1025.636+/-0.171 χ^2/NDF:595911.7/22

Right Out: 562.845+/-0.164 χ^2/NDF: 3111031.5/18

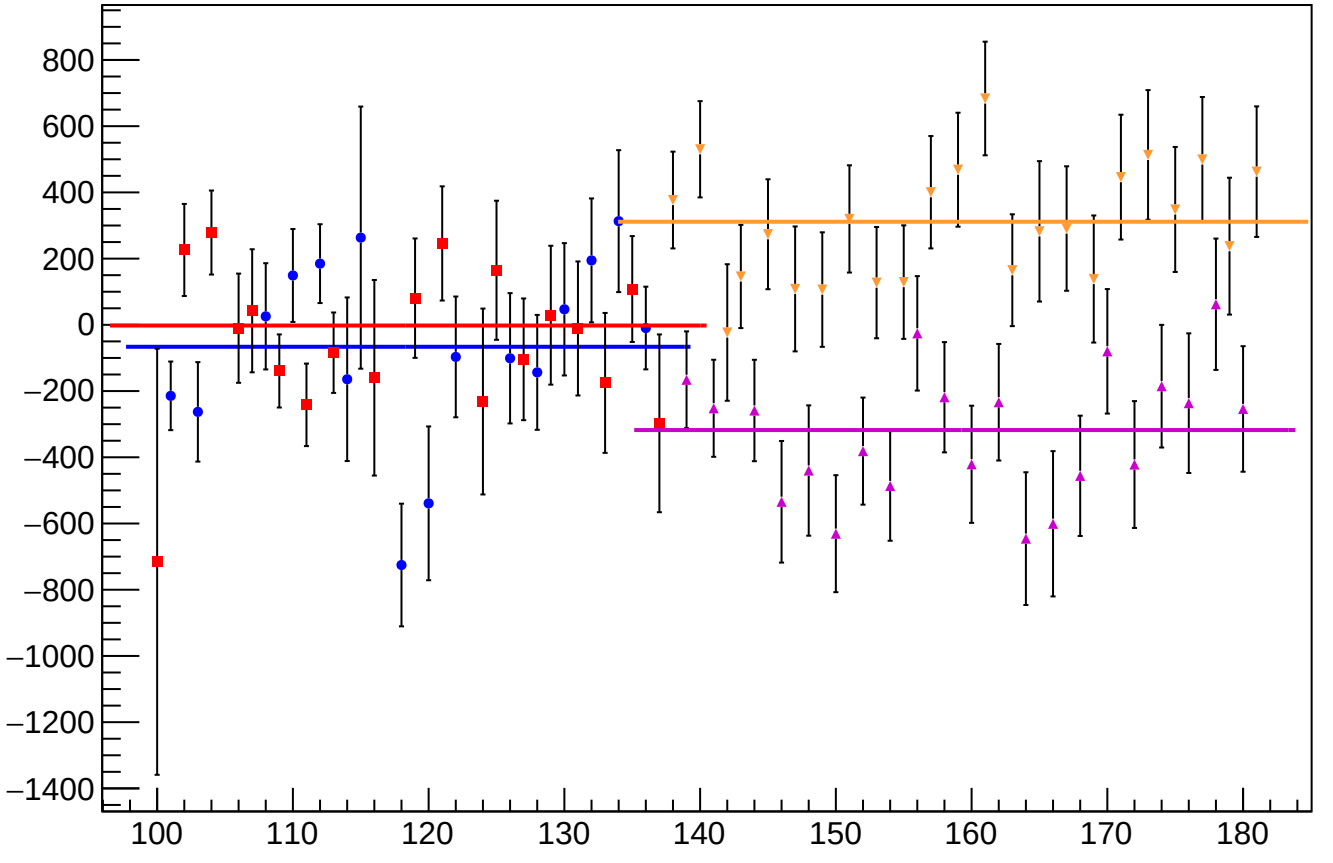
Left In: 1039.735+/-0.179 χ^2/NDF:615649.0/20

+ sign 768.804+/-0.118 χ^2/NDF: 8521789.9/38

All: 774.606+/-0.085 χ^2/NDF: 16108708.0/78

- sign 780.697+/-0.121 χ^2/NDF: 7581969.0/39

cor_asym_sam6_mean vs Slug



Right In: -66.256+/-40.937 χ^2/NDF: 34.4/15

Left Out: 311.378+/-36.787 χ^2/NDF:21.9/22

Right Out: -2.062+/-38.937 χ^2/NDF: 21.1/18

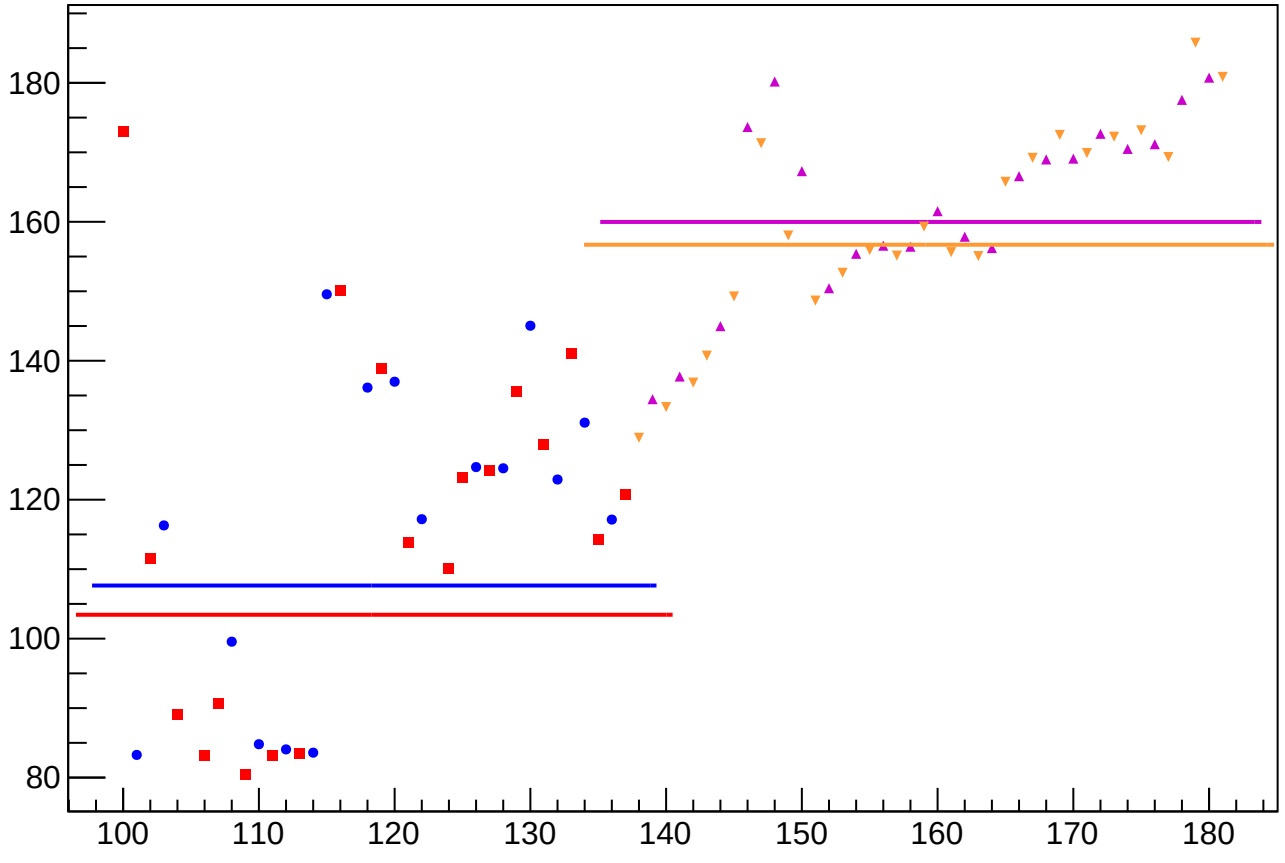
Left In: -317.724+/-38.679 χ^2/NDF:22.6/20

+ sign 142.666+/-27.362 χ^2/NDF: 103.4/38

All: -8.703+/-19.376 χ^2/NDF: 241.6/78

- sign -160.941+/-27.441 χ^2/NDF: 76.8/39

cor_asym_sam6_rms vs Slug



Right In: 107.644+/-0.029 χ^2/NDF: 532822.8/15

Left Out: 156.699+/-0.026 χ^2/NDF:328982.2/22

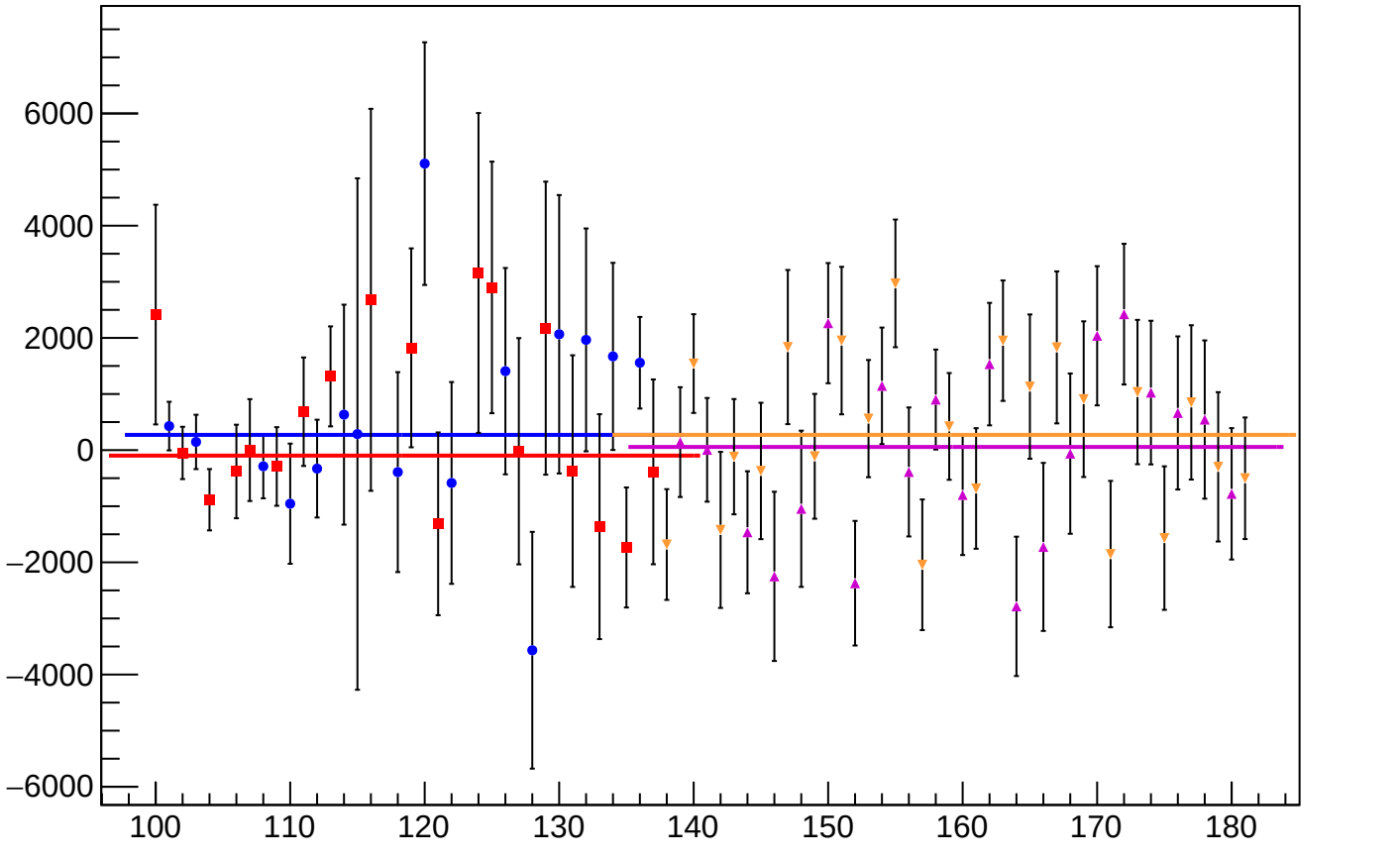
Right Out: 103.438+/-0.028 χ^2/NDF: 624750.2/18

Left In: 159.980+/-0.027 χ^2/NDF:245113.1/20

+ sign 134.783+/-0.019 χ^2/NDF: 2450637.9/38

All: 133.344+/-0.014 χ^2/NDF: 5454368.5/78

- sign 131.896+/-0.019 χ^2/NDF: 2992630.0/39



Right In: 271.645+/-230.655 χ^2/NDF: 16.5/15

Left Out: 271.852+/-242.110 χ^2/NDF:31.8/22

Right Out: -97.847+/-232.781 χ^2/NDF: 16.1/18

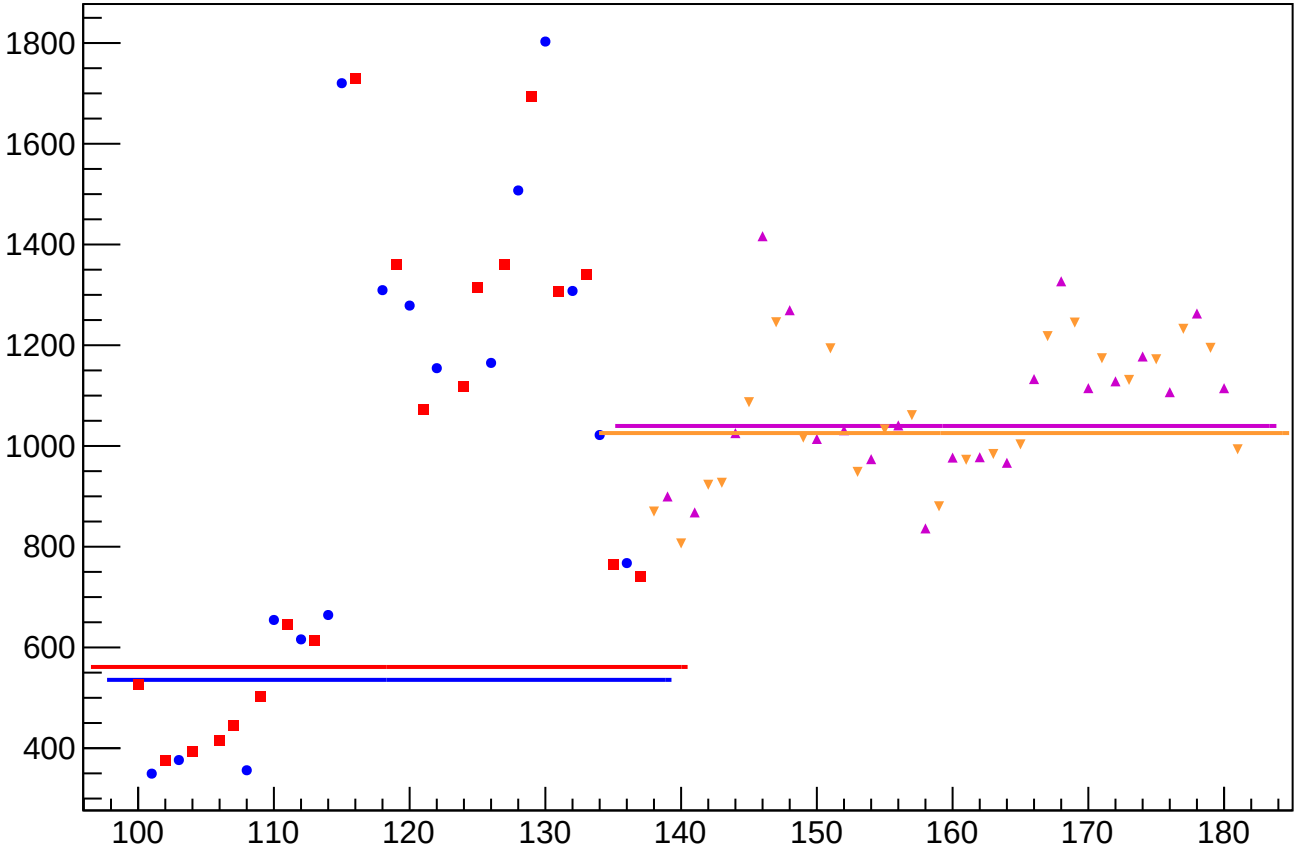
Left In: 56.327+/-253.150 χ^2/NDF:32.7/20

+ sign 271.743+/-167.001 χ^2/NDF: 48.3/38

All: 126.109+/-119.595 χ^2/NDF: 98.9/78

- sign -27.211+/-171.350 χ^2/NDF: 49.1/39

asym_sam6_cor_correction_rms vs Slug



Right In: 535.661+/-0.163 χ^2/NDF: 3632591.0/15

Left Out: 1025.636+/-0.171 χ^2/NDF:595911.1/22

Right Out: 561.270+/-0.165 χ^2/NDF: 3130760.7/18

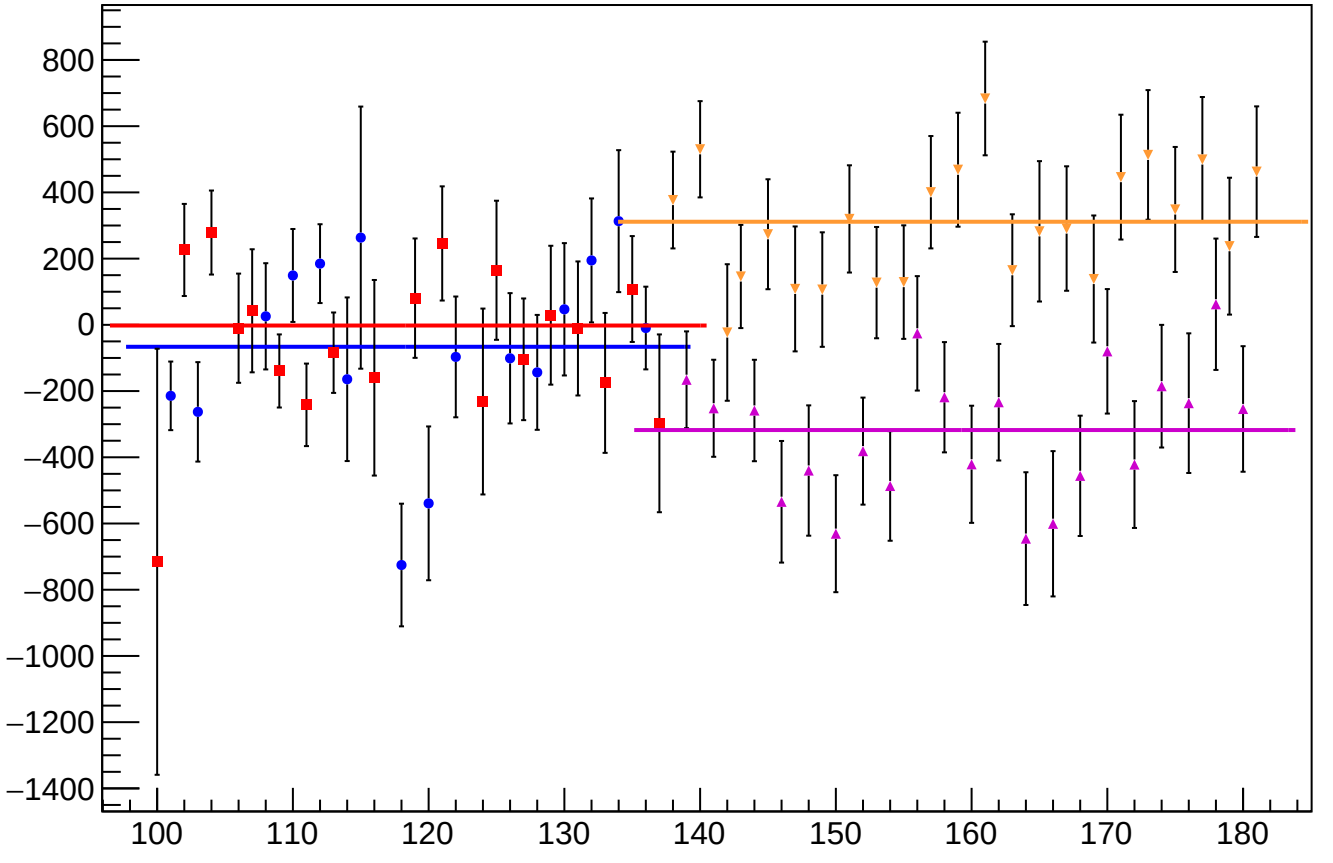
Left In: 1039.735+/-0.179 χ^2/NDF:615646.4/20

+ sign 768.785+/-0.118 χ^2/NDF: 8522498.8/38

All: 774.483+/-0.085 χ^2/NDF: 16144927.0/78

- sign 780.482+/-0.121 χ^2/NDF: 7617648.3/39

eigen_cor_asym_sam6_mean vs Slug



Right In: -66.256+/-40.937 χ^2/NDF: 34.4/15

Left Out: 311.378+/-36.787 χ^2/NDF:21.9/22

Right Out: -2.062+/-38.937 χ^2/NDF: 21.1/18

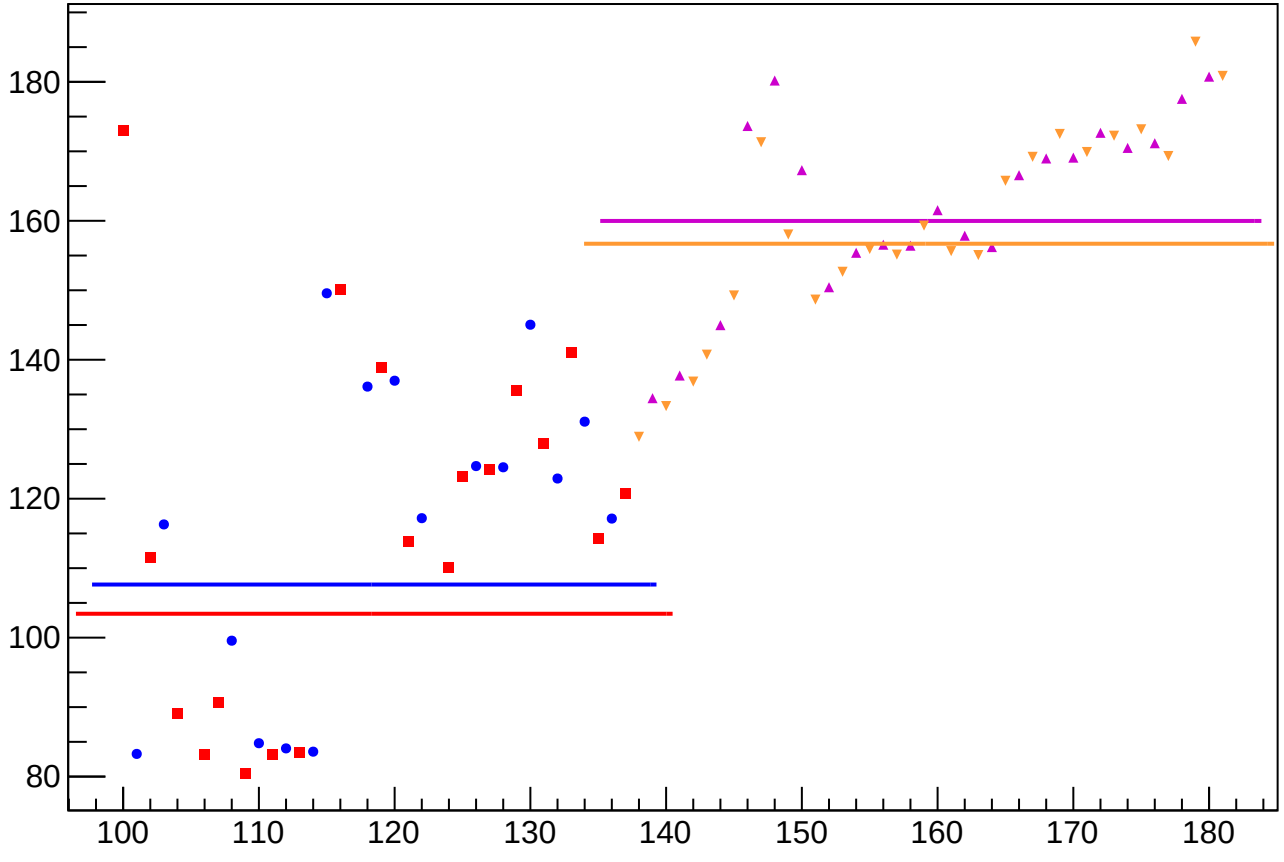
Left In: -317.724+/-38.679 χ^2/NDF:22.6/20

+ sign 142.666+/-27.362 χ^2/NDF: 103.4/38

All: -8.703+/-19.376 χ^2/NDF: 241.6/78

- sign -160.941+/-27.441 χ^2/NDF: 76.8/39

eigen_cor_asym_sam6_rms vs Slug



Right In: 107.644+/-0.029 χ^2/NDF: 532822.8/15

Left Out: 156.699+/-0.026 χ^2/NDF:328982.2/22

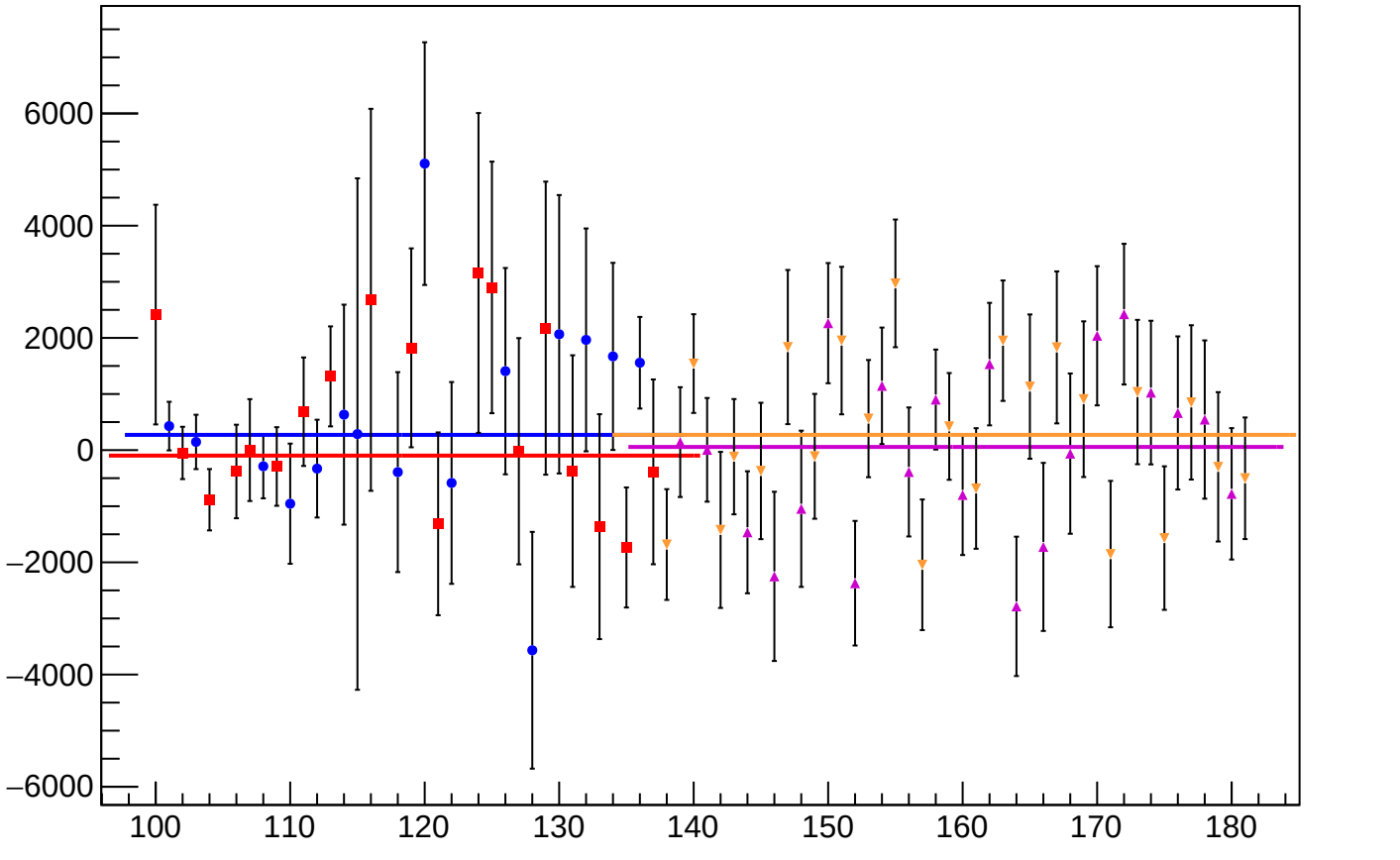
Right Out: 103.438+/-0.028 χ^2/NDF: 624750.2/18

Left In: 159.980+/-0.027 χ^2/NDF:245113.1/20

+ sign 134.783+/-0.019 χ^2/NDF: 2450637.9/38

All: 133.344+/-0.014 χ^2/NDF: 5454368.5/78

- sign 131.896+/-0.019 χ^2/NDF: 2992630.0/39



Right In: 271.645+/-230.655 χ^2/NDF: 16.5/15

Left Out: 271.852+/-242.110 χ^2/NDF:31.8/22

Right Out: -97.847+/-232.781 χ^2/NDF: 16.1/18

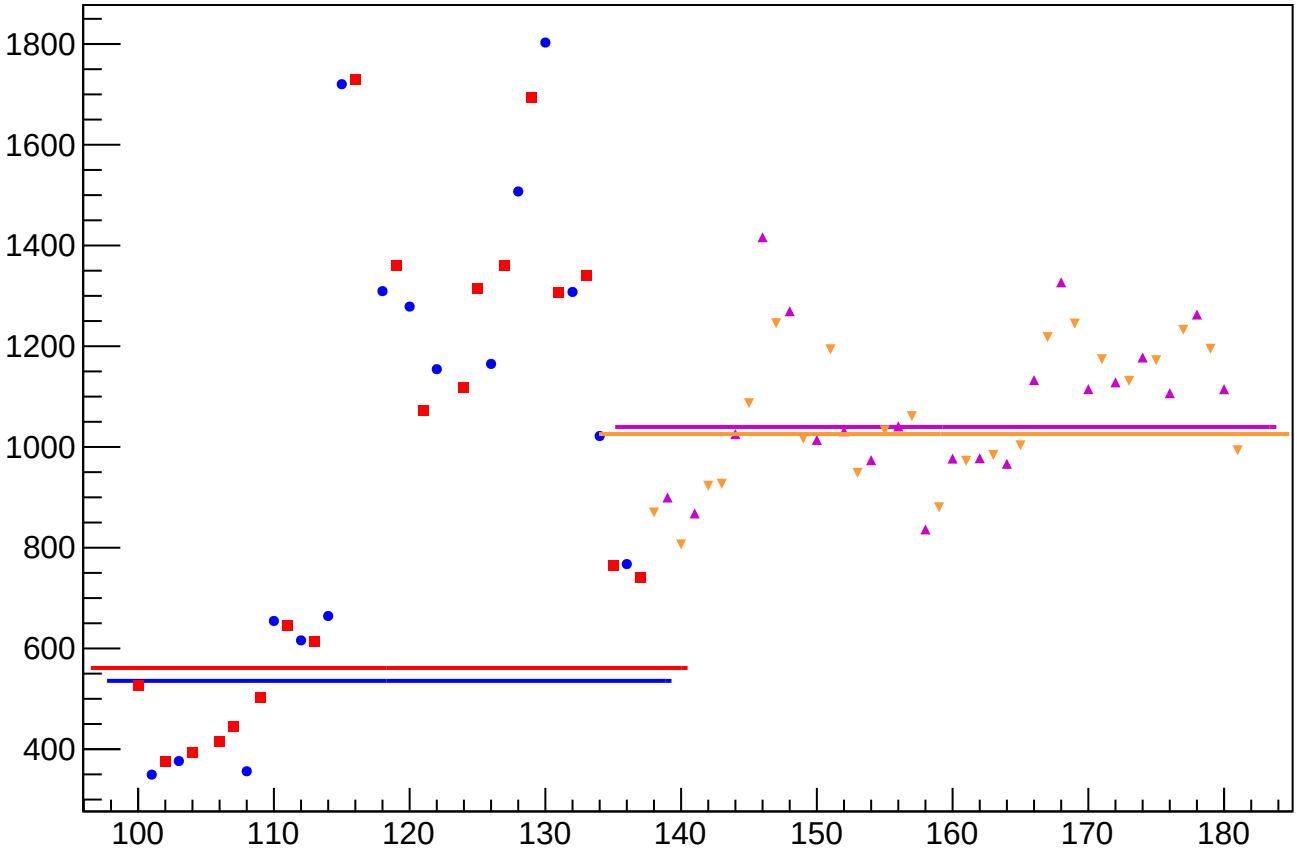
Left In: 56.327+/-253.150 χ^2/NDF:32.7/20

+ sign 271.743+/-167.001 χ^2/NDF: 48.3/38

All: 126.109+/-119.595 χ^2/NDF: 98.9/78

- sign -27.211+/-171.350 χ^2/NDF: 49.1/39

asym_sam6_eigen_cor_correction_rms vs Slug



Right In: 535.661+/-0.163 χ^2/NDF: 3632591.0/15

Left Out: 1025.636+/-0.171 χ^2/NDF:595911.1/22

Right Out: 561.270+/-0.165 χ^2/NDF: 3130760.7/18

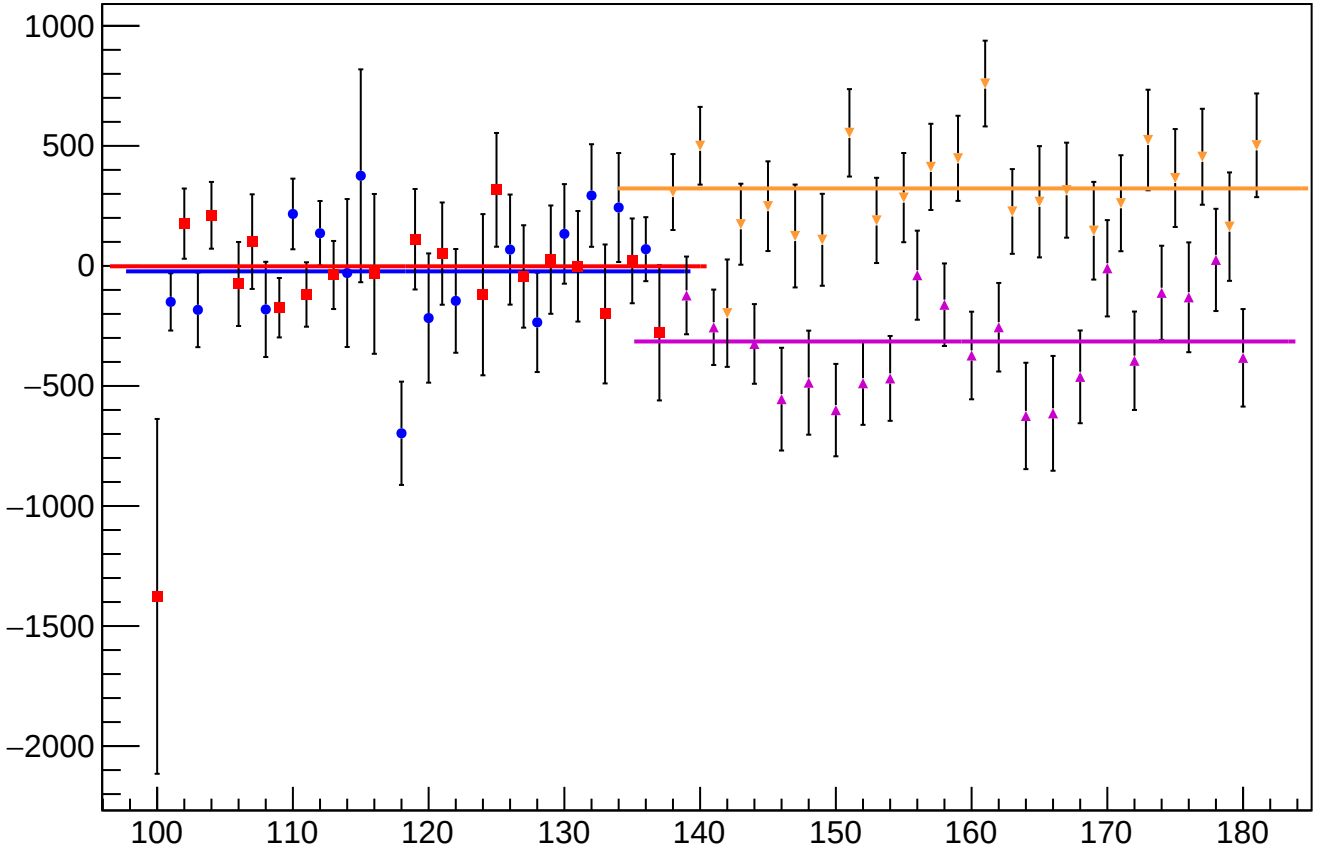
Left In: 1039.735+/-0.179 χ^2/NDF:615646.4/20

+ sign 768.785+/-0.118 χ^2/NDF: 8522498.8/38

All: 774.483+/-0.085 χ^2/NDF: 16144927.0/78

- sign 780.482+/-0.121 χ^2/NDF: 7617648.3/39

dit_asym_sam6_mean vs Slug



Right In: -22.678+/-45.908 χ^2/NDF: 24.2/15

Left Out: 322.743+/-39.706 χ^2/NDF:22.4/22

Right Out: -1.600+/-43.563 χ^2/NDF: 14.3/18

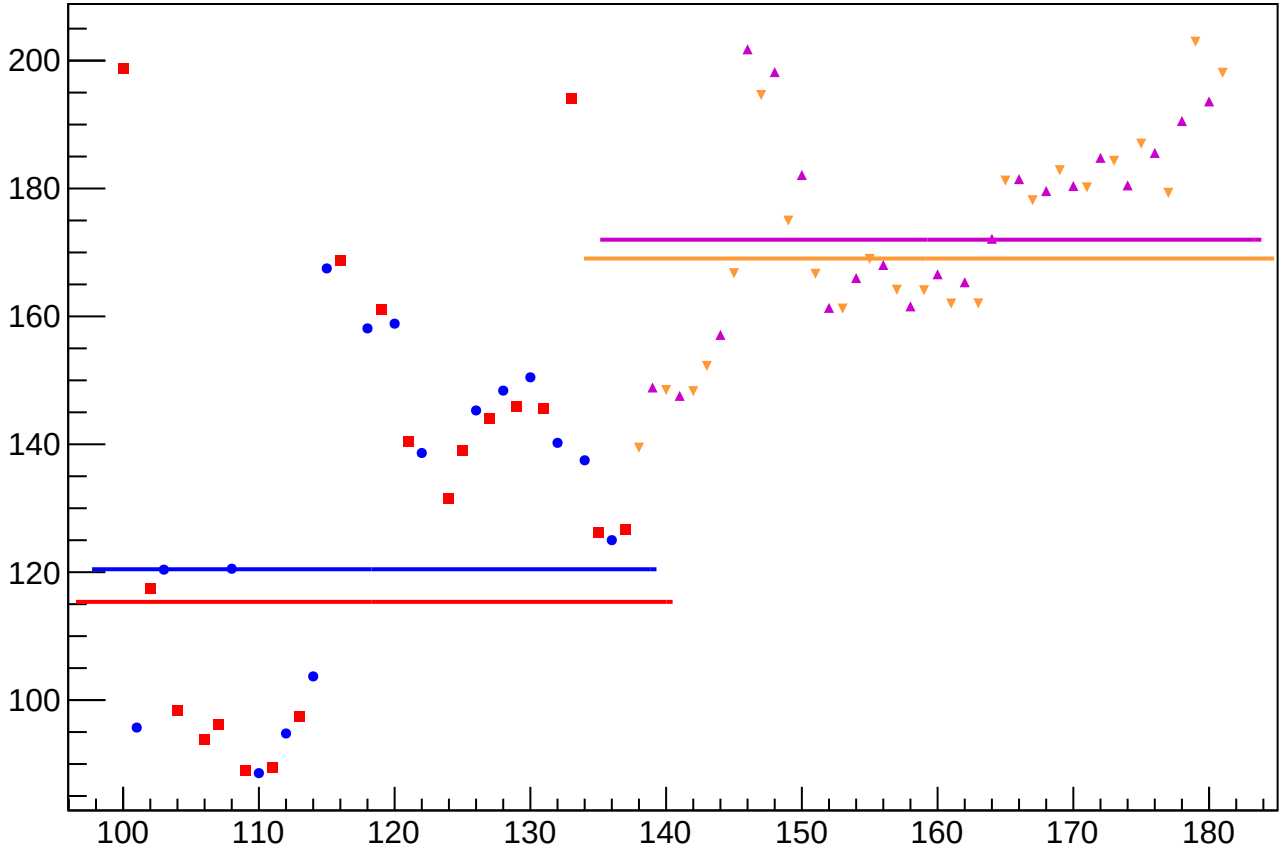
Left In: -314.722+/-41.615 χ^2/NDF:21.6/20

+ sign 174.925+/-30.032 χ^2/NDF: 79.0/38

All: 5.141+/-21.257 χ^2/NDF: 205.9/78

- sign -165.318+/-30.091 χ^2/NDF: 62.9/39

dit_asym_sam6_rms vs Slug



Right In: 120.458+/-0.032 χ^2/NDF: 530331.6/15

Left Out: 169.048+/-0.028 χ^2/NDF:321323.2/22

Right Out: 115.357+/-0.031 χ^2/NDF: 767236.0/18

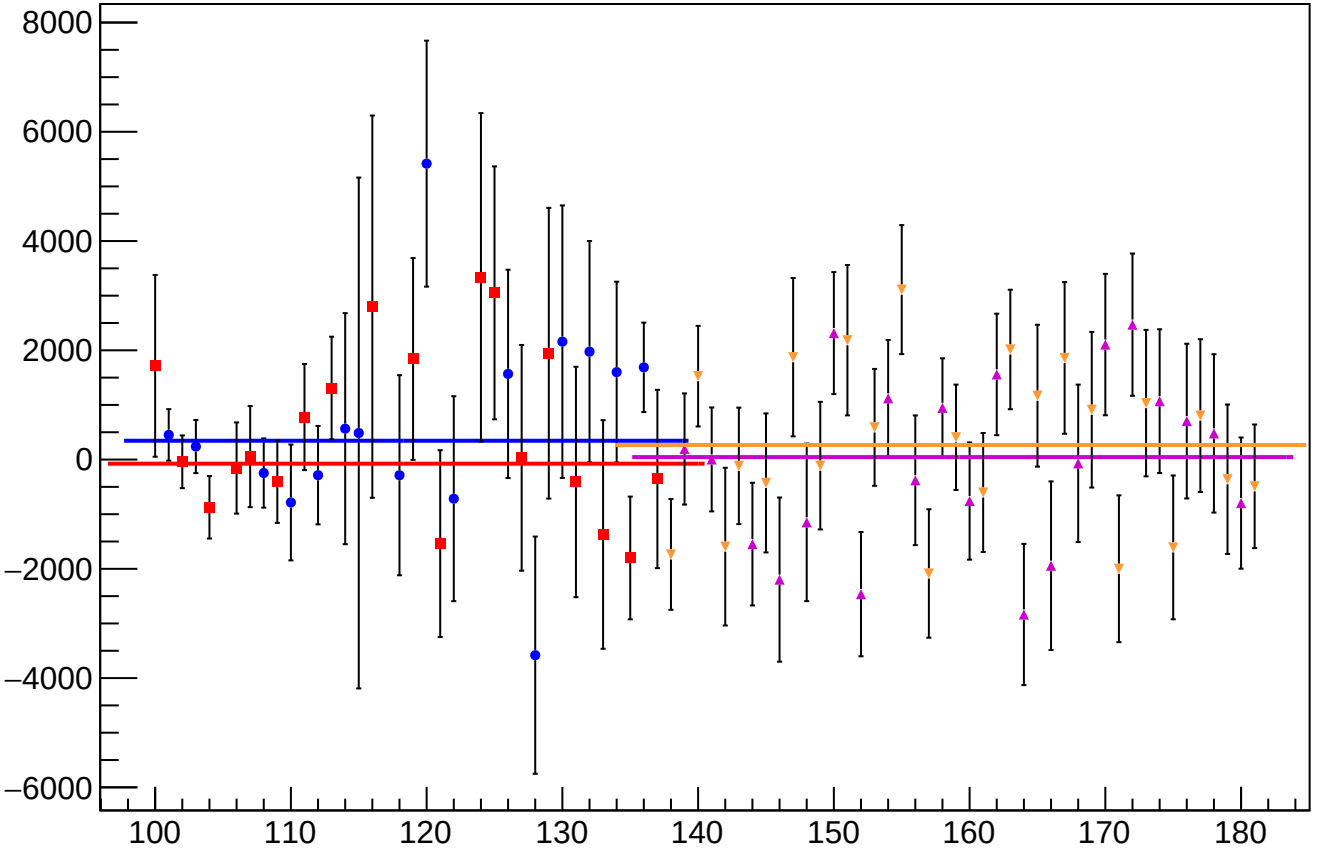
Left In: 171.994+/-0.029 χ^2/NDF:267378.2/20

+ sign 148.255+/-0.021 χ^2/NDF: 2133359.5/38

All: 146.616+/-0.015 χ^2/NDF: 4947486.4/78

- sign 144.970+/-0.021 χ^2/NDF: 2802186.2/39

asym_sam6_dit_correction_mean vs Slug



Right In: 344.437+/-241.532 χ^2/NDF: 16.2/15

Left Out: 266.694+/-249.548 χ^2/NDF:32.3/22

Right Out: -75.434+/-240.479 χ^2/NDF: 15.3/18

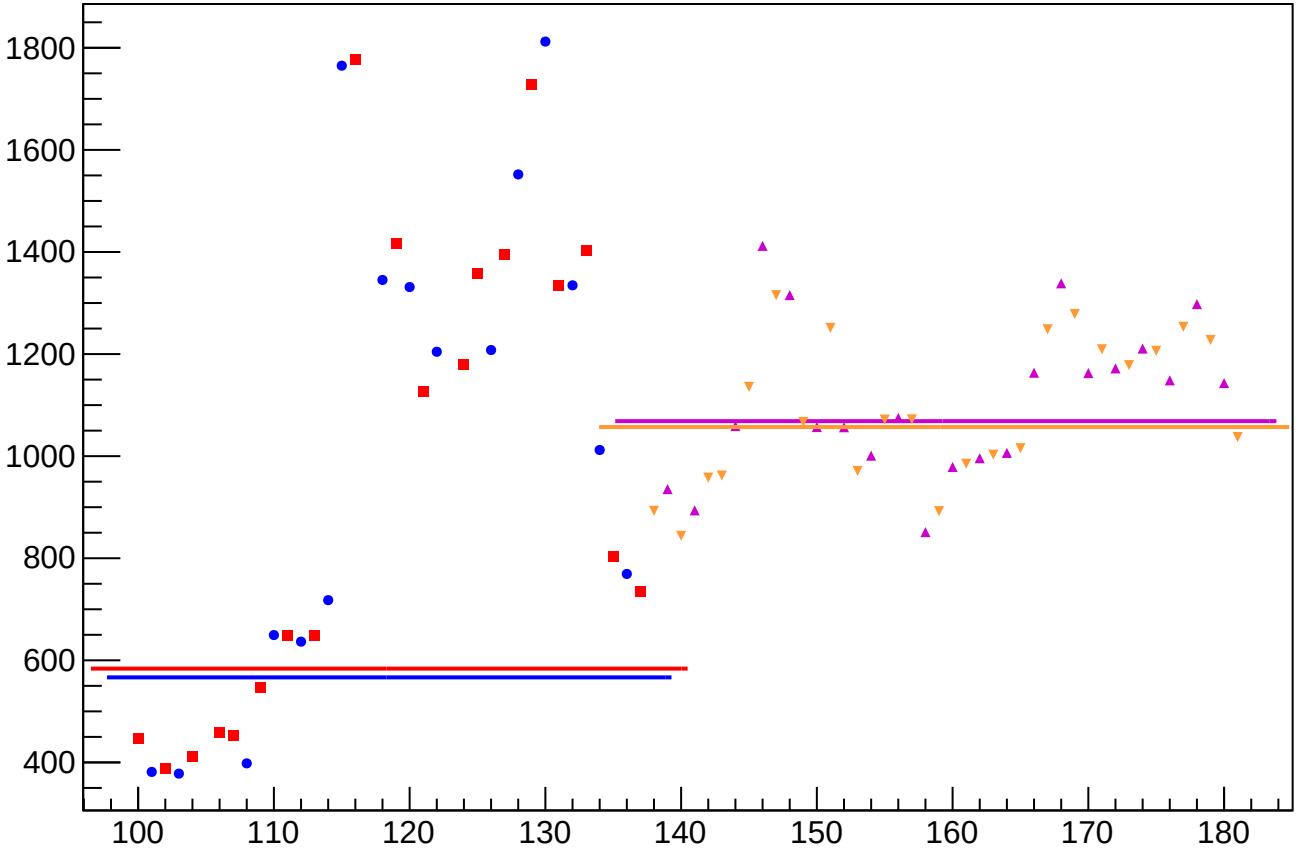
Left In: 45.114+/-260.149 χ^2/NDF:32.5/20

\+ sign 306.834+/-173.553 χ^2/NDF: 48.6/38

All: 146.305+/-123.780 χ^2/NDF: 98.2/78

\- sign -19.889+/-176.589 χ^2/NDF: 47.9/39

asym_sam6_dit_correction_rms vs Slug



Right In: 566.603+/-0.171 χ^2/NDF: 3432440.2/15

Left Out: 1057.075+/-0.176 χ^2/NDF:609158.4/22

Right Out: 583.794+/-0.170 χ^2/NDF: 3107513.6/18

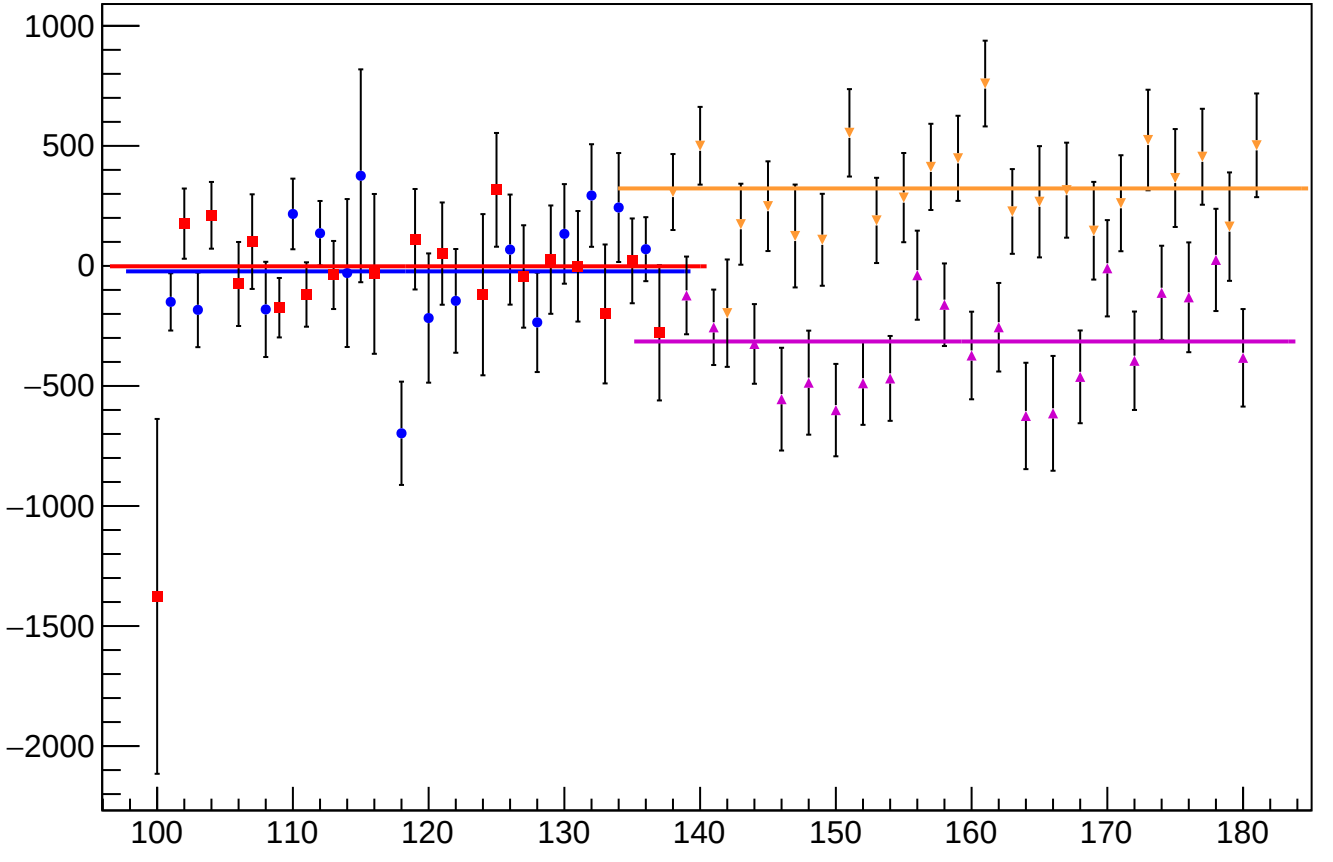
Left In: 1068.593+/-0.184 χ^2/NDF:604188.4/20

+ sign 803.835+/-0.123 χ^2/NDF: 8030648.2/38

All: 805.476+/-0.088 χ^2/NDF: 15487985.1/78

- sign 807.175+/-0.125 χ^2/NDF: 7456973.0/39

eigen_dit_asym_sam6_mean vs Slug



Right In: -22.680+/-45.908 χ^2/NDF: 24.2/15

Left Out: 322.744+/-39.706 χ^2/NDF:22.4/22

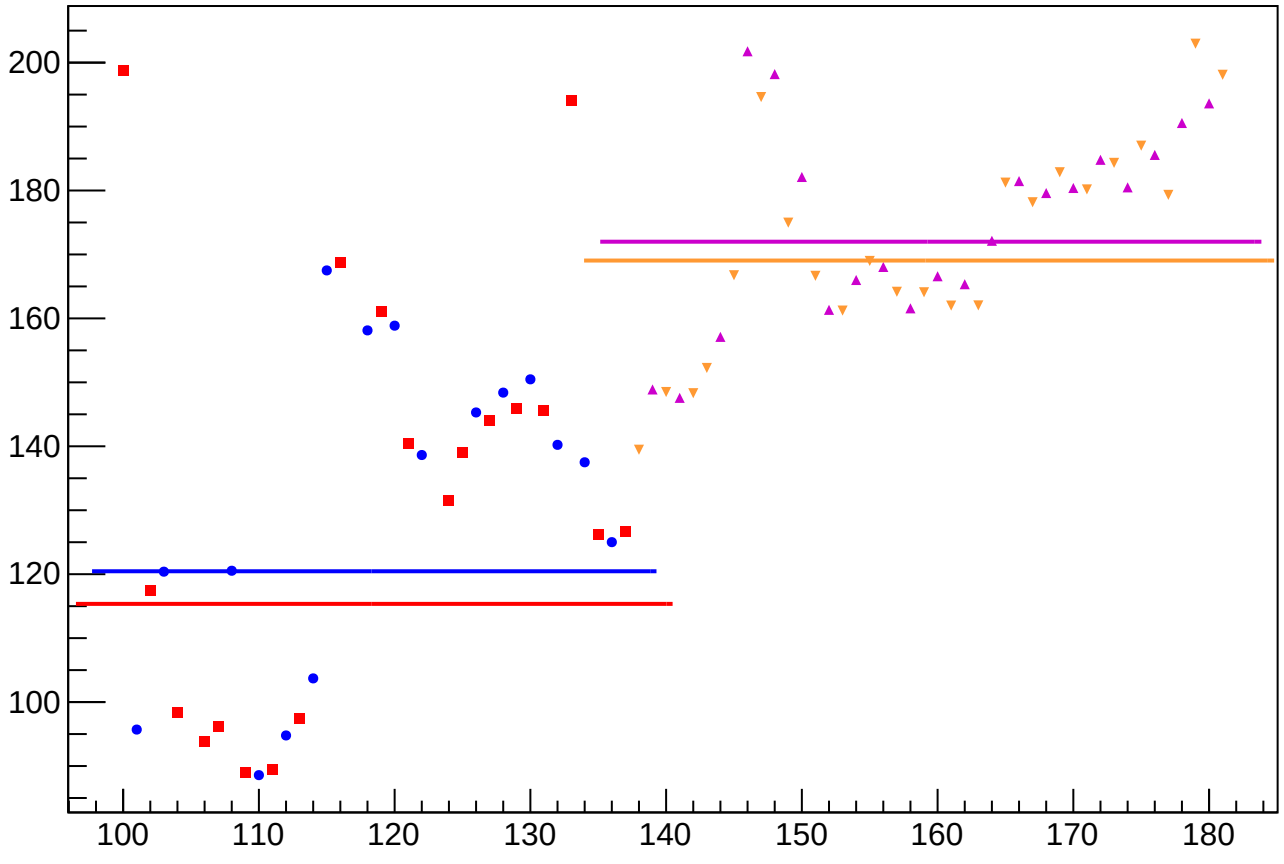
Right Out: -1.601+/-43.563 χ^2/NDF: 14.3/18

Left In: -314.722+/-41.615 χ^2/NDF:21.6/20

+ sign 174.925+/-30.032 χ^2/NDF: 79.0/38

All: 5.141+/-21.257 χ^2/NDF: 205.9/78

- sign -165.319+/-30.091 χ^2/NDF: 62.9/39



Right In: 120.458+/-0.032 χ^2/NDF: 530335.0/15

Left Out: 169.048+/-0.028 χ^2/NDF:321323.0/22

Right Out: 115.357+/-0.031 χ^2/NDF: 767234.8/18

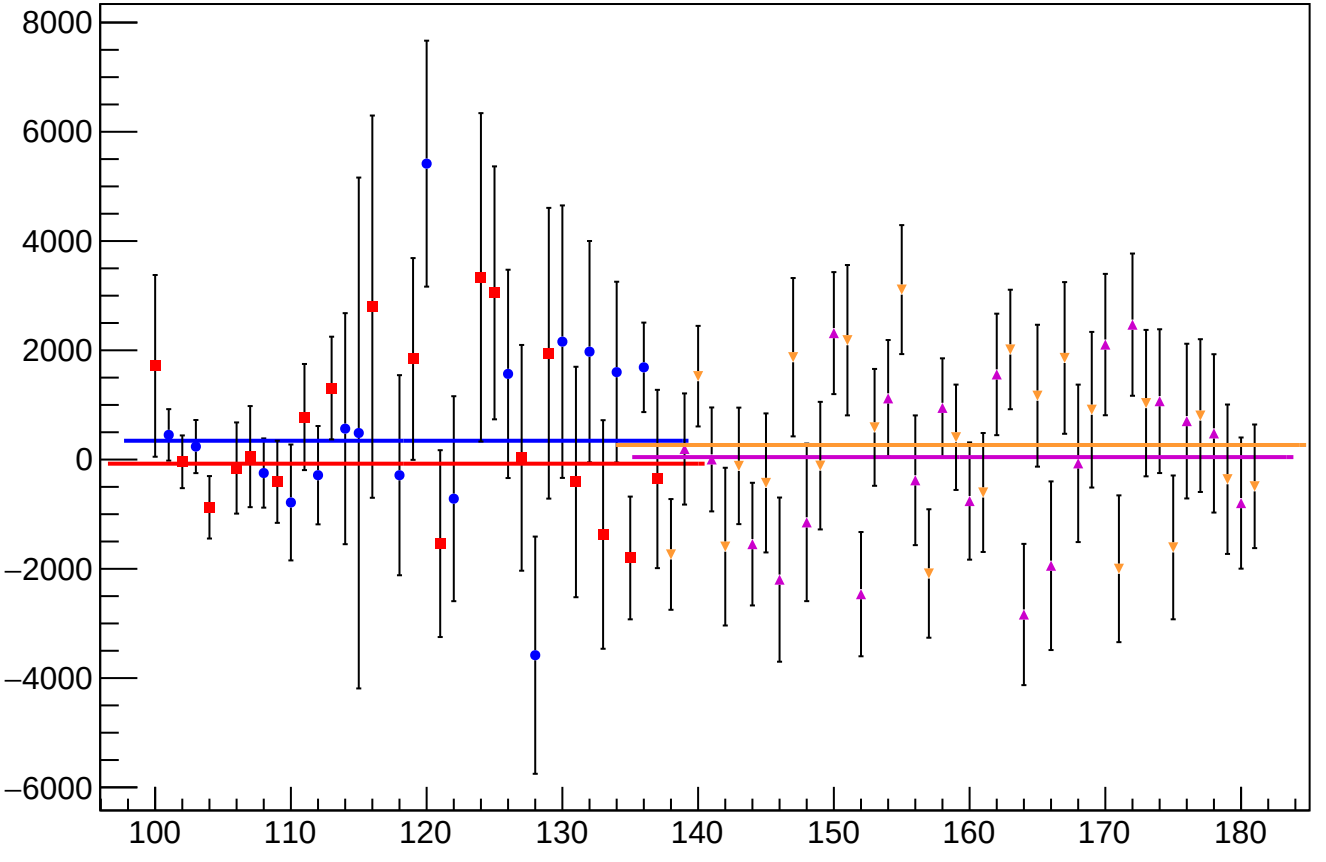
Left In: 171.994+/-0.029 χ^2/NDF:267377.8/20

+ sign 148.255+/-0.021 χ^2/NDF: 2133370.0/38

All: 146.615+/-0.015 χ^2/NDF: 4947500.1/78

- sign 144.970+/-0.021 χ^2/NDF: 2802189.6/39

asym_sam6_eigen_dit_correction_mean vs Slug



Right In: 344.436+/-241.531 χ^2/NDF: 16.2/15

Left Out: 266.695+/-249.548 χ^2/NDF:32.3/22

Right Out: -75.435+/-240.479 χ^2/NDF: 15.3/18

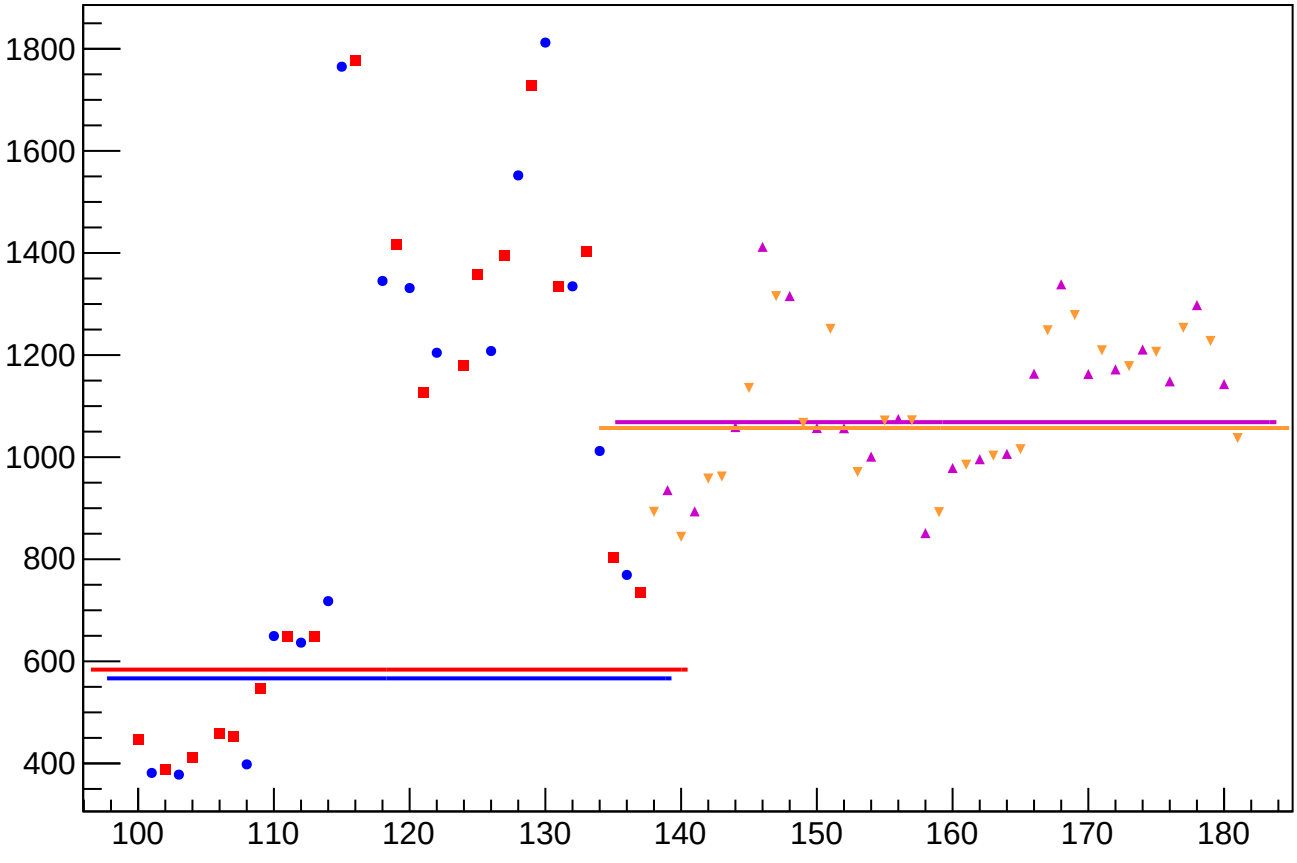
Left In: 45.114+/-260.149 χ^2/NDF:32.5/20

+ sign 306.834+/-173.553 χ^2/NDF: 48.6/38

All: 146.305+/-123.780 χ^2/NDF: 98.2/78

- sign -19.890+/-176.589 χ^2/NDF: 47.9/39

asym_sam6_eigen_dit_correction_rms vs Slug



Right In: 566.603+/-0.171 χ^2/NDF: 3432444.7/15

Left Out: 1057.076+/-0.176 χ^2/NDF:609163.5/22

Right Out: 583.794+/-0.170 χ^2/NDF: 3107513.8/18

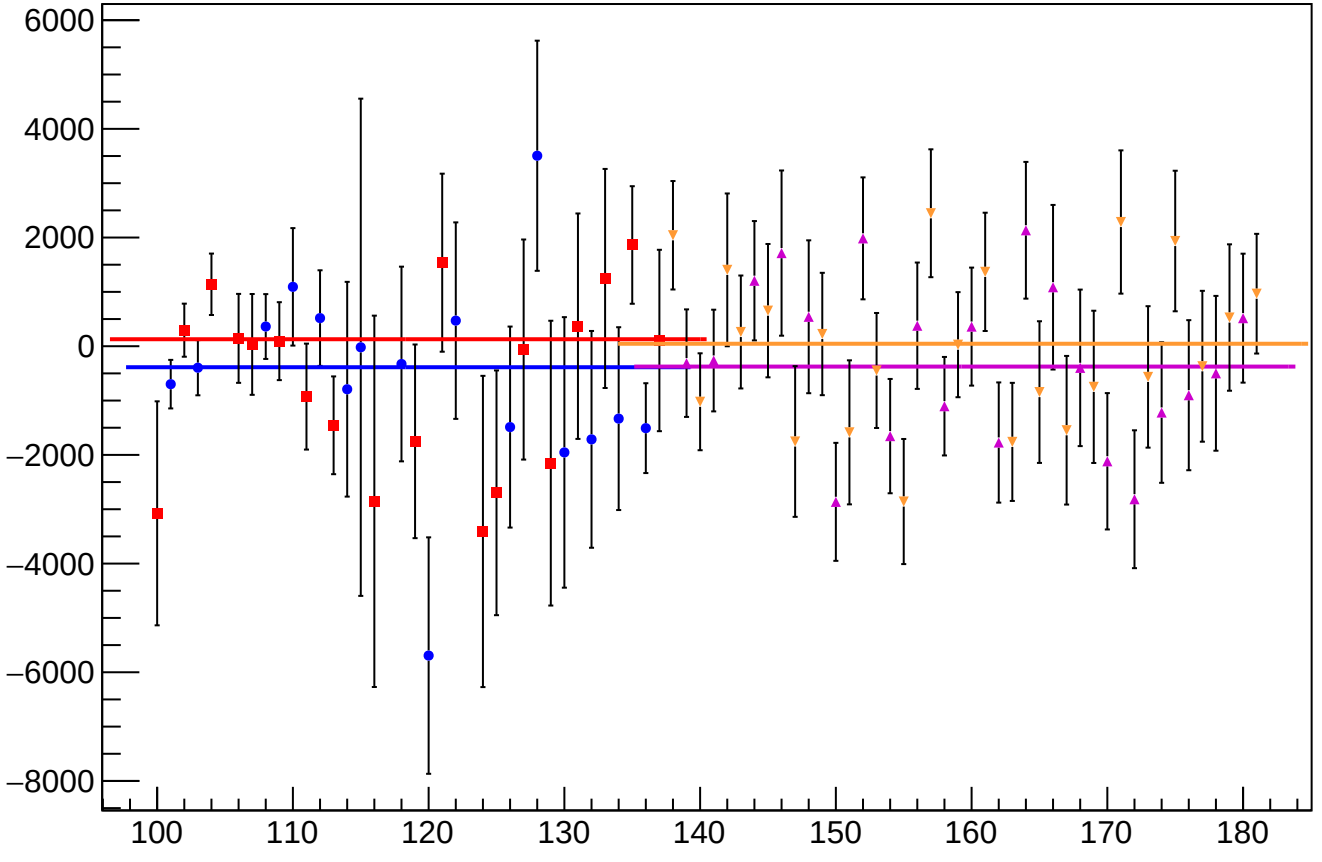
Left In: 1068.593+/-0.184 χ^2/NDF:604192.3/20

+ sign 803.835+/-0.123 χ^2/NDF: 8030675.9/38

All: 805.476+/-0.088 χ^2/NDF: 15488025.8/78

- sign 807.175+/-0.125 χ^2/NDF: 7456985.9/39

asym_sam6_mean vs Slug



Right In: -386.522+/-237.525 χ^2/NDF: 17.9/15

Left Out: 45.322+/-245.015 χ^2/NDF:33.2/22

Right Out: 128.583+/-238.241 χ^2/NDF: 19.4/18

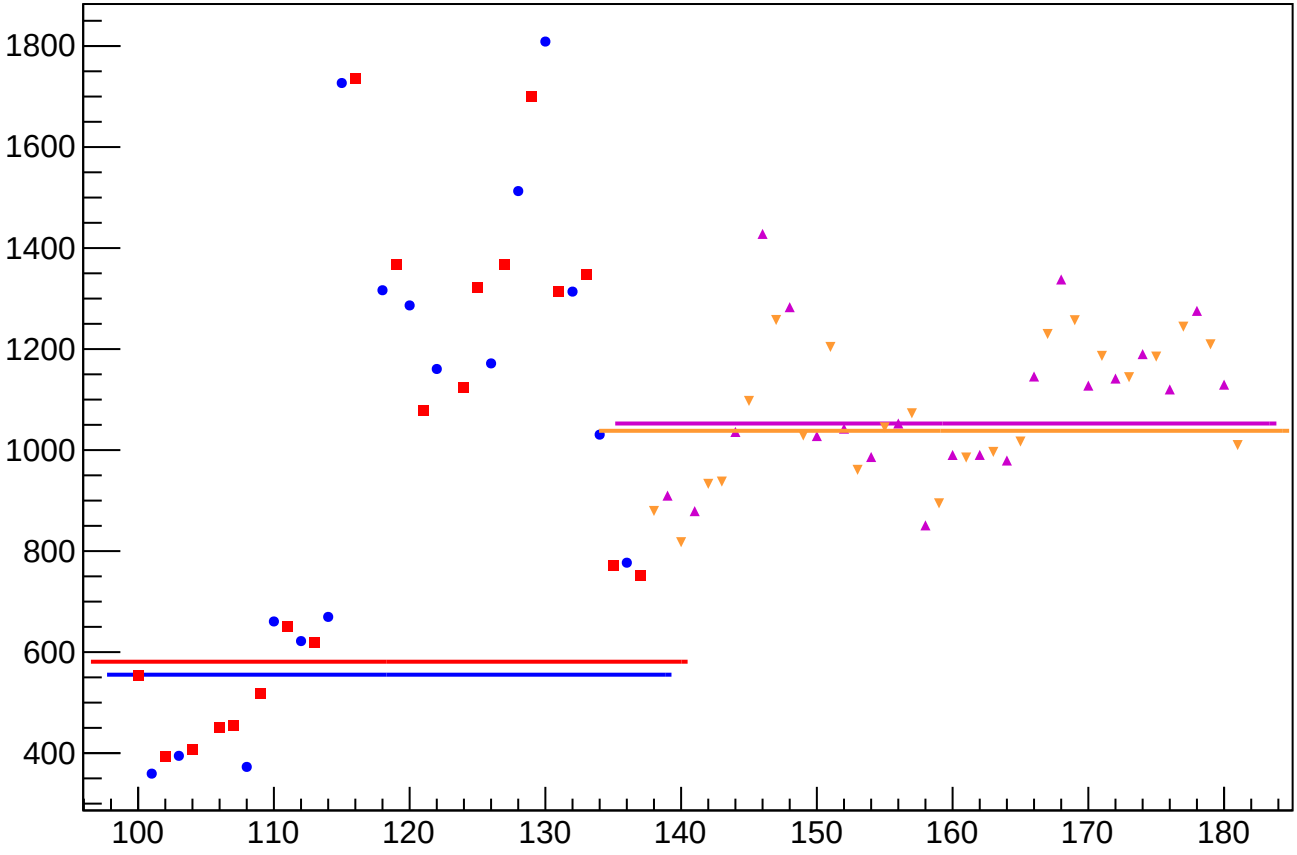
Left In: -374.712+/-256.220 χ^2/NDF:30.4/20

+ sign -177.302+/-170.542 χ^2/NDF: 52.7/38

All: -141.871+/-121.957 χ^2/NDF: 104.6/78

- sign -104.788+/-174.472 χ^2/NDF: 51.8/39

asym_sam6_rms vs Slug



Right In: 555.292+/-0.168 χ^2/NDF: 3482531.0/15

Left Out: 1038.196+/-0.173 χ^2/NDF:584198.9/22

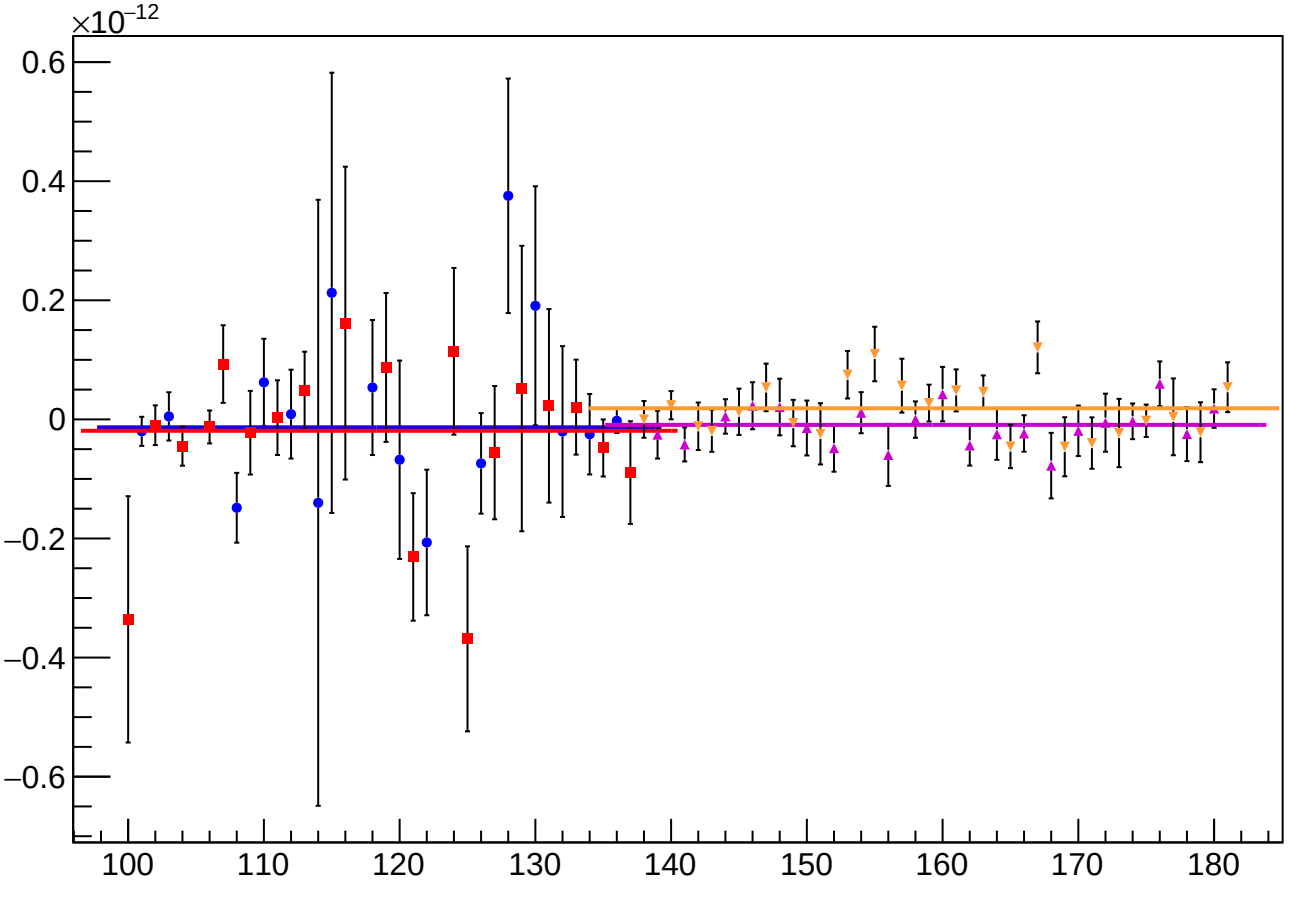
Right Out: 580.996+/-0.168 χ^2/NDF: 2983560.8/18

Left In: 1052.634+/-0.181 χ^2/NDF:602138.7/20

+ sign 789.250+/-0.121 χ^2/NDF: 8071808.4/38

All: 794.350+/-0.086 χ^2/NDF: 15295633.1/78

- sign 799.688+/-0.123 χ^2/NDF: 7220163.7/39



Right In: -0.000+/-0.000 χ^2/NDF: 15.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:27.2/22

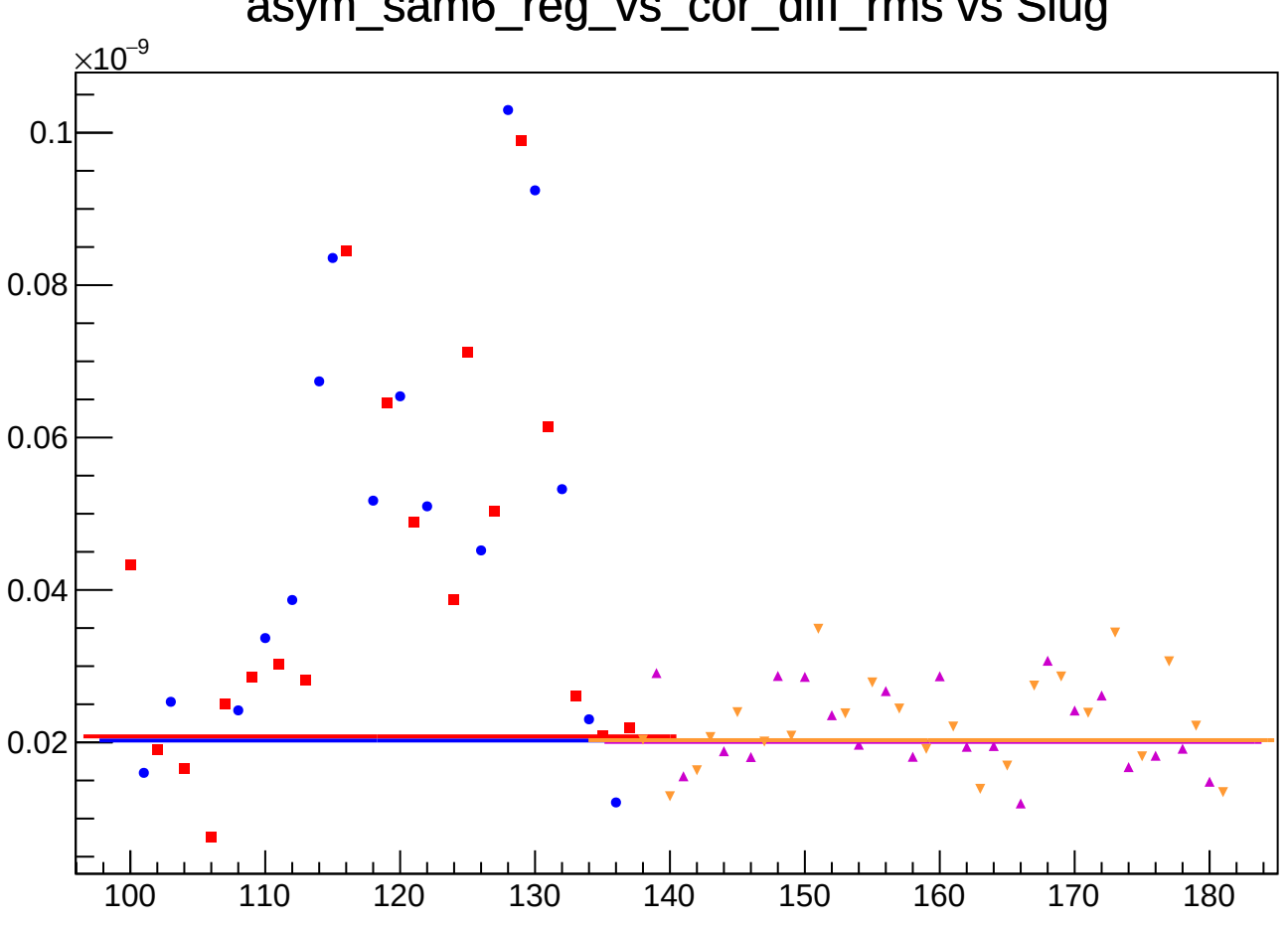
Right Out: -0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: -0.000+/-0.000 χ^2/NDF:13.7/20

+ sign 0.000+/-0.000 χ^2/NDF: 47.6/38

All: -0.000+/-0.000 χ^2/NDF: 86.6/78

- sign -0.000+/-0.000 χ^2/NDF: 33.9/39



Right In: 0.000+/-0.000 χ^2/NDF: 2004678.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:978519.9/22

Right Out: 0.000+/-0.000 χ^2/NDF: 1855885.9/18

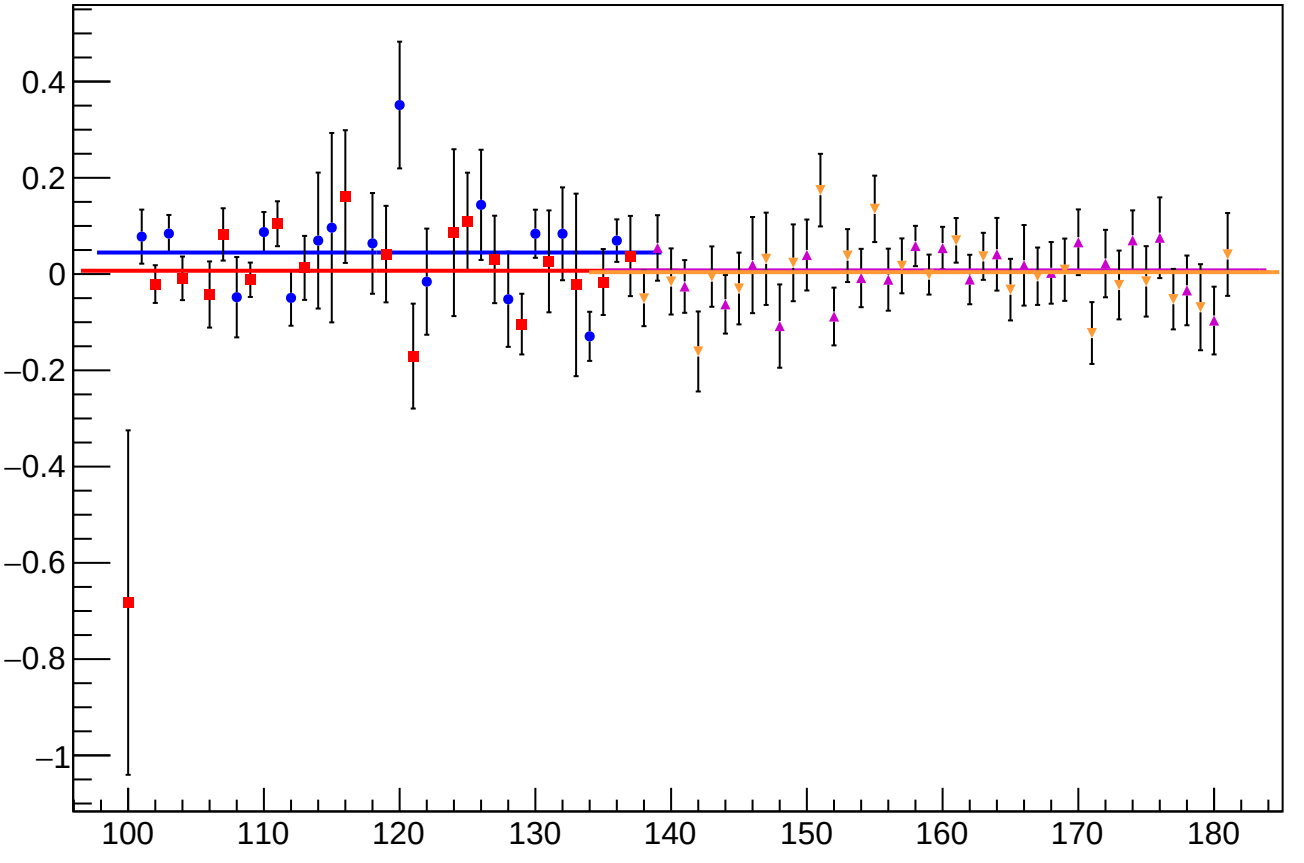
Left In: 0.000+/-0.000 χ^2/NDF:769462.1/20

+ sign 0.000+/-0.000 χ^2/NDF: 2983214.8/38

All: 0.000+/-0.000 χ^2/NDF: 5612585.3/78

- sign 0.000+/-0.000 χ^2/NDF: 2629355.8/39

asym_sam6_dit_vs_cor_diff_mean vs Slug



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.004+/-0.013 χ^2/NDF:23.0/22

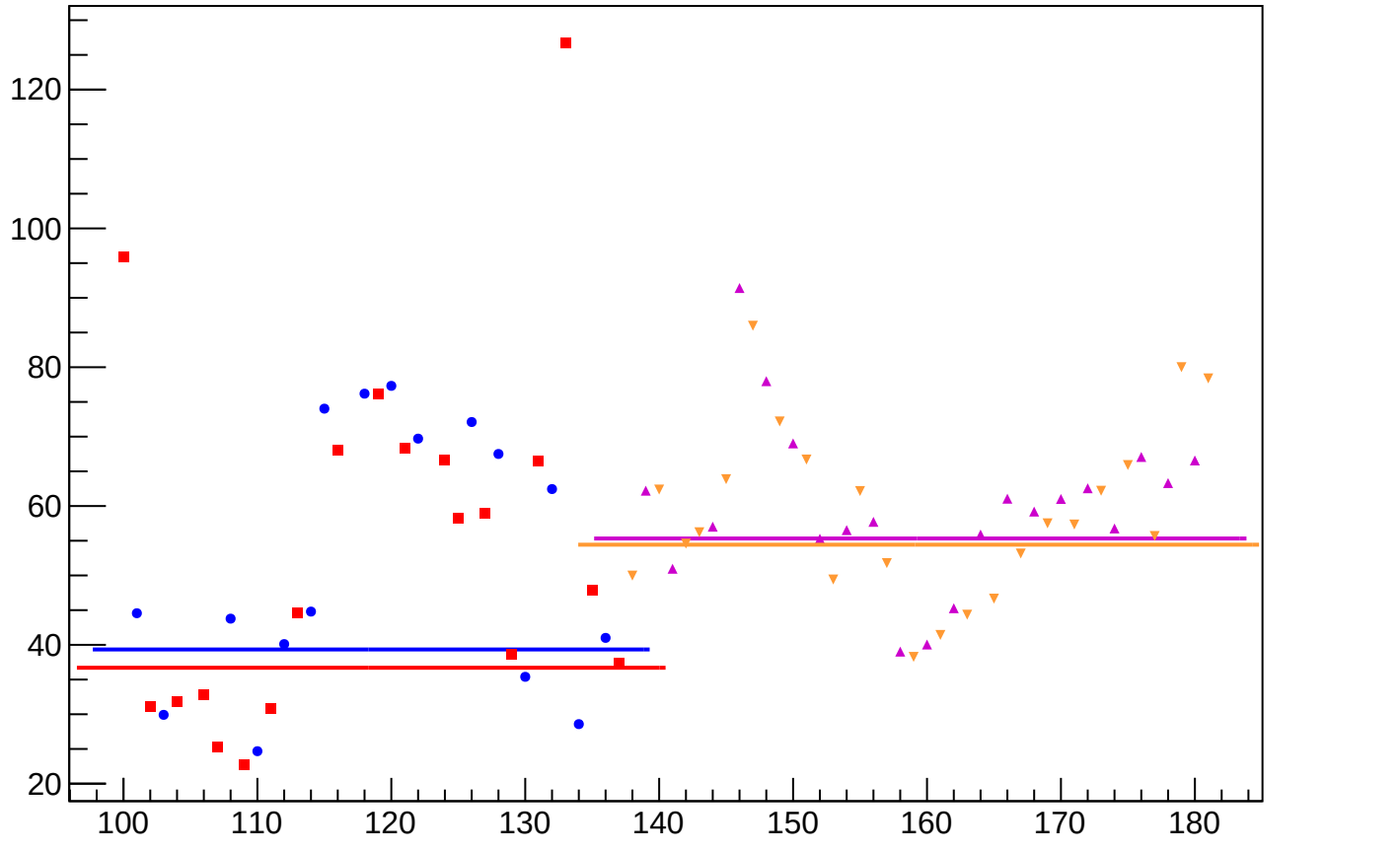
Right Out: 0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: 0.008+/-0.014 χ^2/NDF:14.8/20

+ sign 0.020+/-0.010 χ^2/NDF: 53.5/38

All: 0.014+/-0.007 χ^2/NDF: 89.3/78

- sign 0.007+/-0.010 χ^2/NDF: 34.9/39



Right In: 39.335+/-0.011 χ^2/NDF: 1566525.1/15

Left Out: 54.430+/-0.009 χ^2/NDF:1463823.1/22

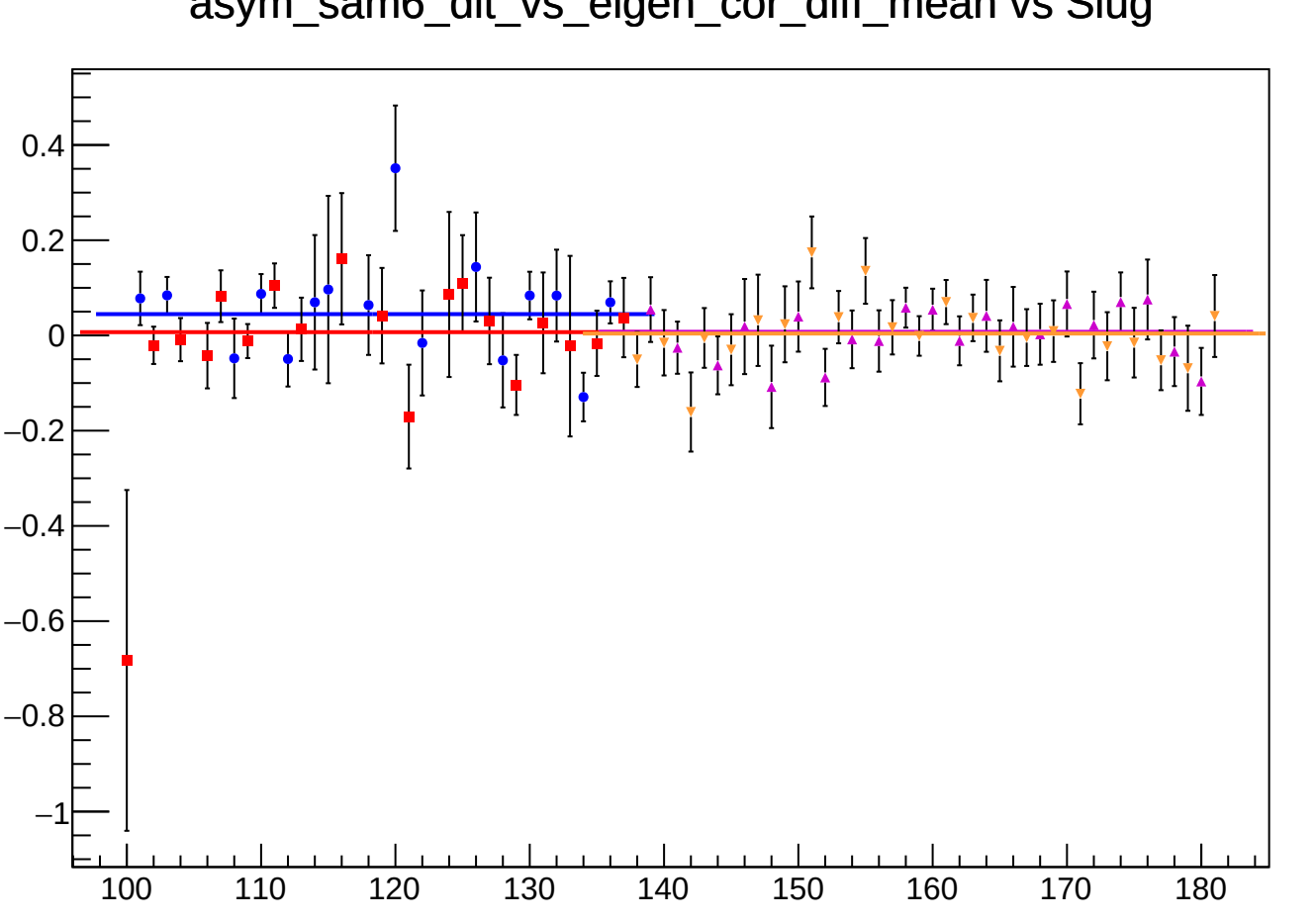
Right Out: 36.700+/-0.011 χ^2/NDF: 2096756.0/18

Left In: 55.322+/-0.010 χ^2/NDF:1293426.1/20

\+ sign 48.332+/-0.007 χ^2/NDF: 4088546.7/38

All: 47.599+/-0.005 χ^2/NDF: 9157819.3/78

\- sign 46.867+/-0.007 χ^2/NDF: 5048574.2/39



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.004+/-0.013 χ^2/NDF:23.0/22

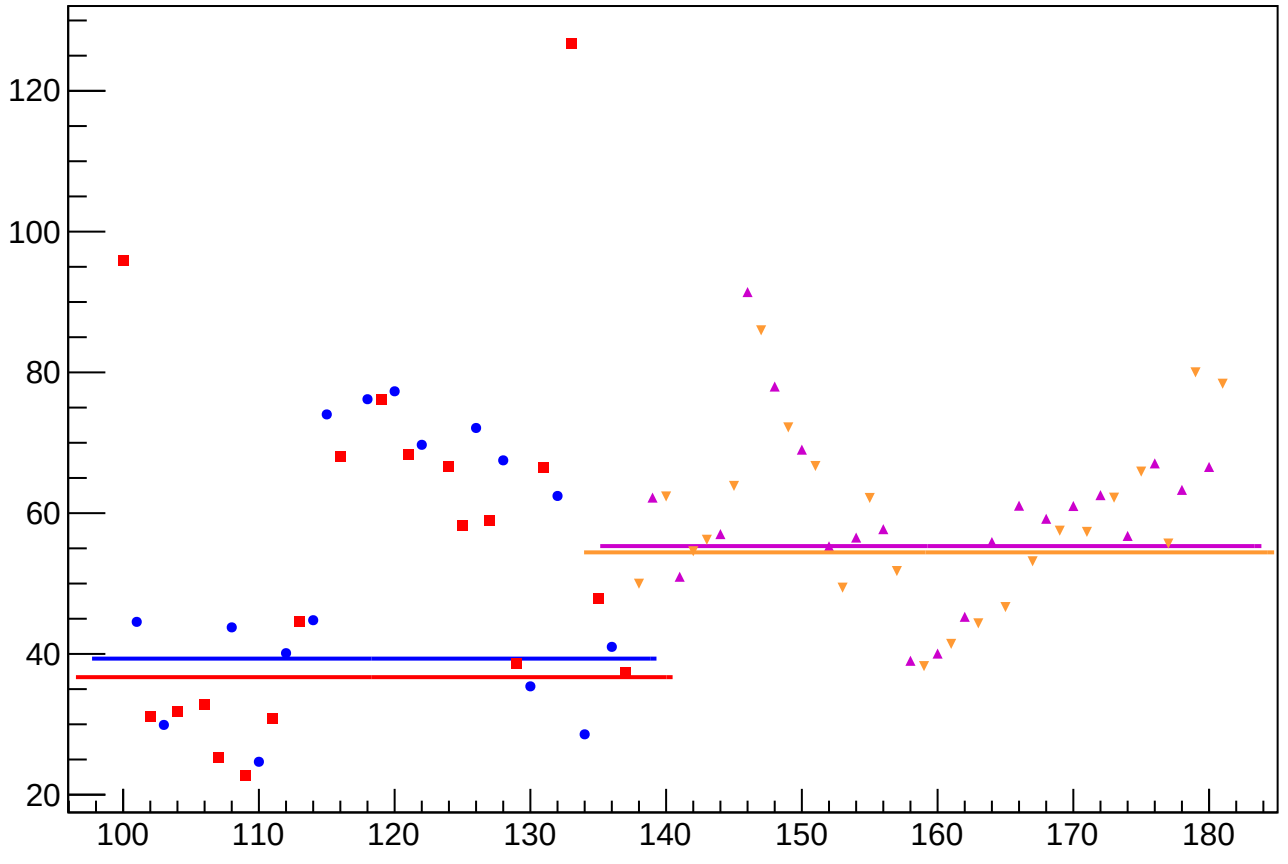
Right Out: 0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: 0.008+/-0.014 χ^2/NDF:14.8/20

+ sign 0.020+/-0.010 χ^2/NDF: 53.5/38

All: 0.014+/-0.007 χ^2/NDF: 89.3/78

- sign 0.007+/-0.010 χ^2/NDF: 34.9/39



Right In: 39.335+/-0.011 χ^2/NDF: 1566525.1/15

Left Out: 54.430+/-0.009 χ^2/NDF:1463823.1/22

Right Out: 36.700+/-0.011 χ^2/NDF: 2096756.0/18

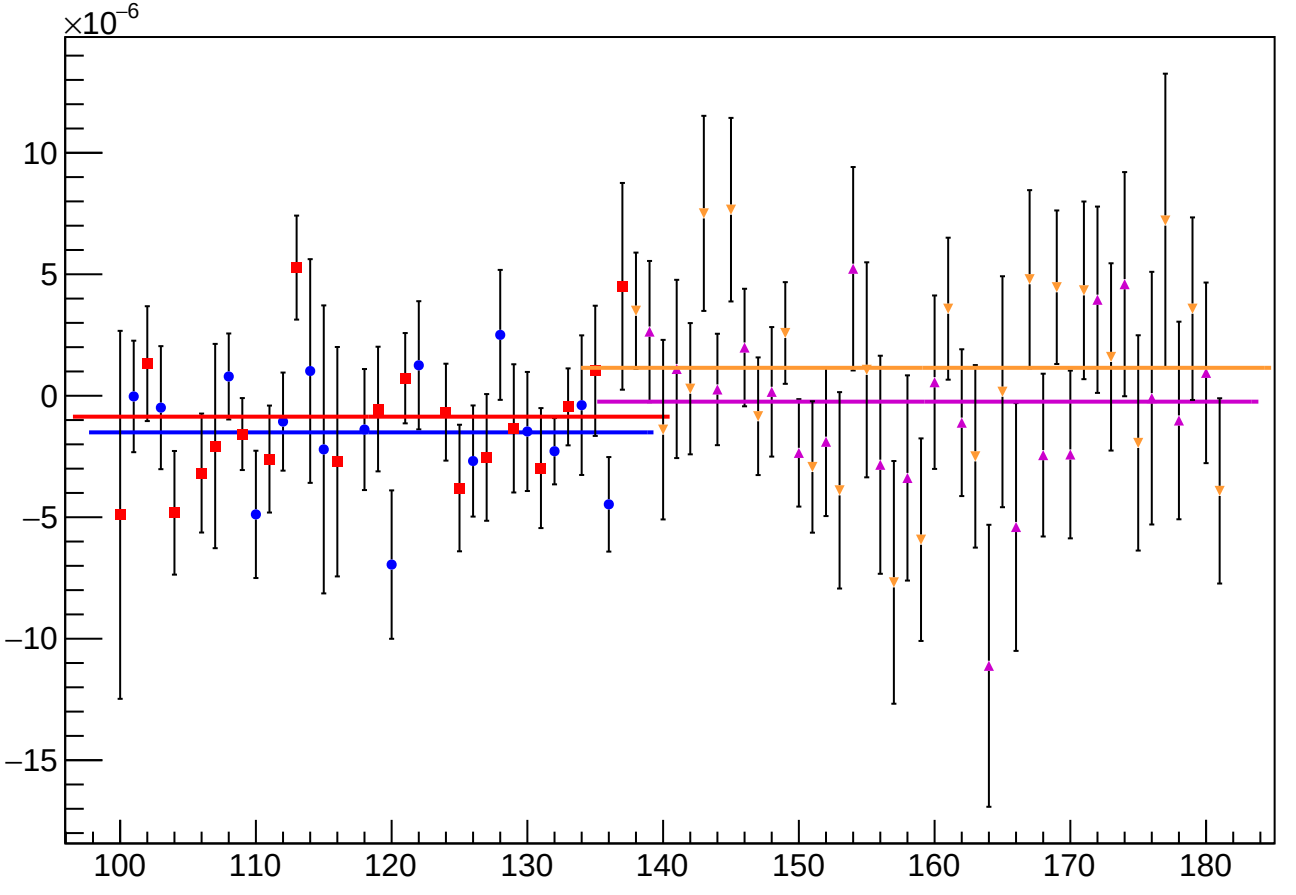
Left In: 55.322+/-0.010 χ^2/NDF:1293426.1/20

+ sign 48.332+/-0.007 χ^2/NDF: 4088546.7/38

All: 47.599+/-0.005 χ^2/NDF: 9157819.3/78

- sign 46.867+/-0.007 χ^2/NDF: 5048574.2/39

asym_sam6_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 13.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:26.2/22

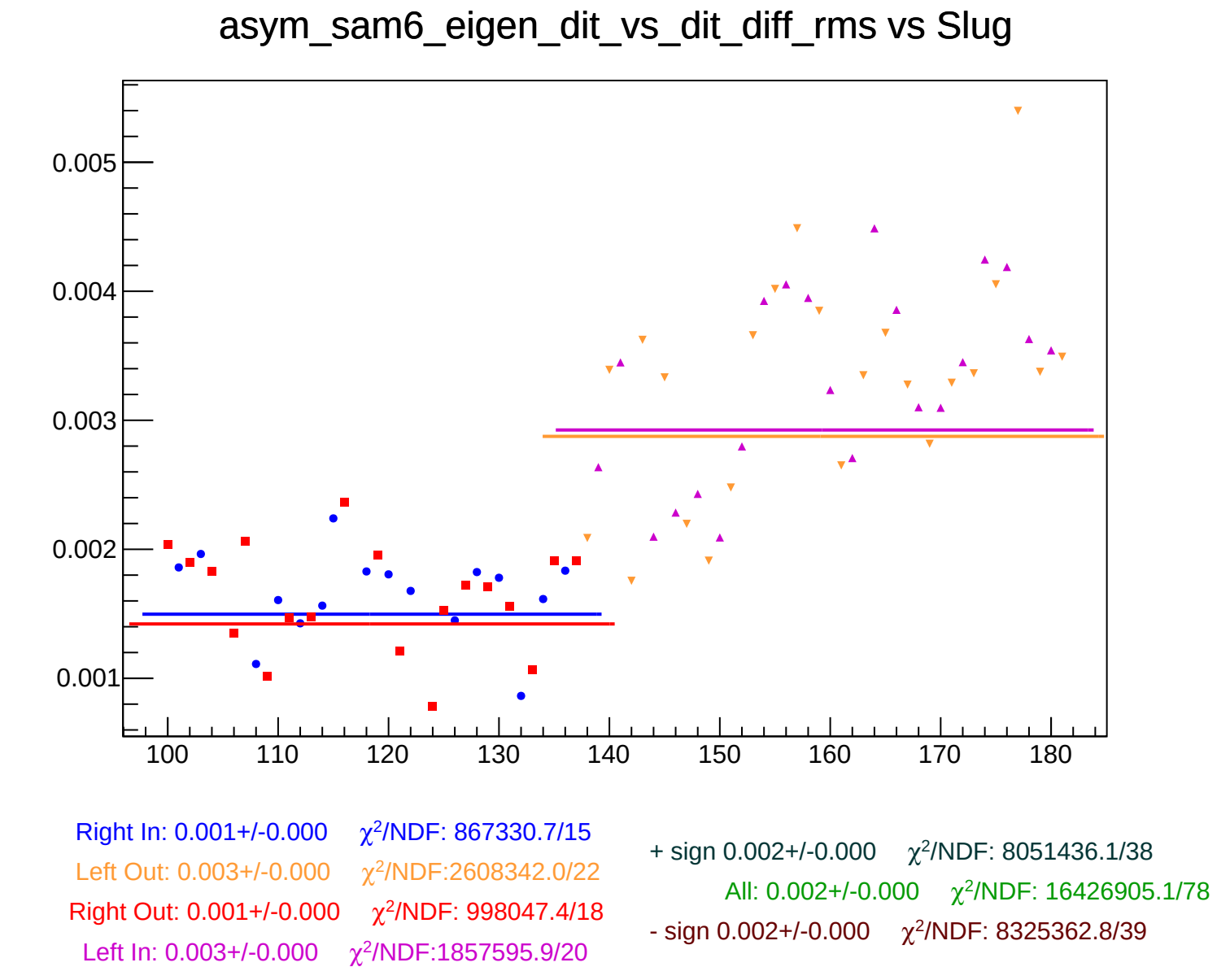
Right Out: -0.000+/-0.000 χ^2/NDF: 19.1/18

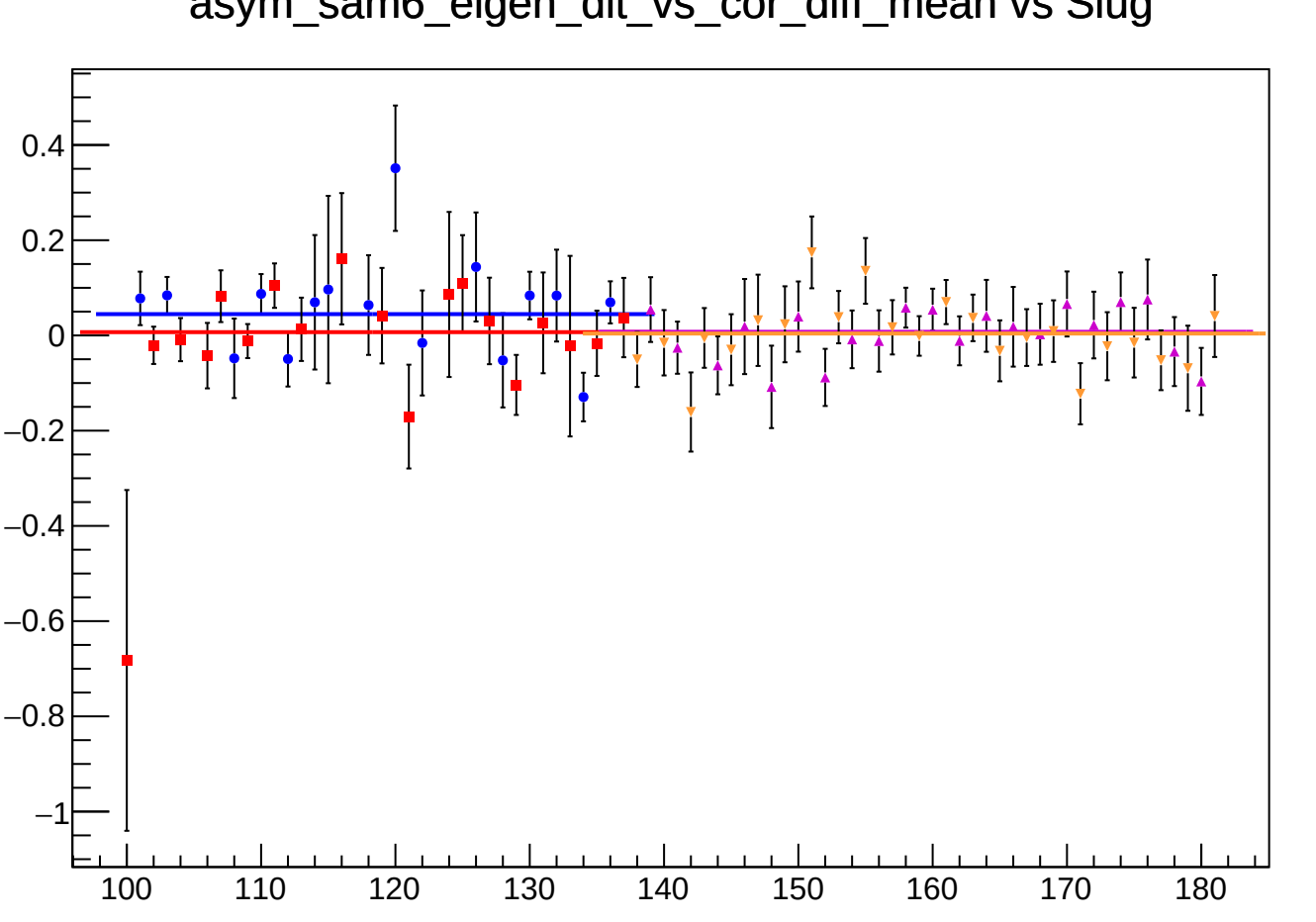
Left In: -0.000+/-0.000 χ^2/NDF:13.8/20

+ sign -0.000+/-0.000 χ^2/NDF: 48.6/38

All: -0.000+/-0.000 χ^2/NDF: 82.1/78

- sign -0.000+/-0.000 χ^2/NDF: 33.3/39


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:2608342.0/22
Right Out: 0.001+/-0.000 χ²/NDF: 998047.4/18
Left In: 0.003+/-0.000 χ²/NDF:1857595.9/20
+ sign 0.002+/-0.000 χ²/NDF: 8051436.1/38
All: 0.002+/-0.000 χ²/NDF: 16426905.1/78
- sign 0.002+/-0.000 χ²/NDF: 8325362.8/39



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.004+/-0.013 χ^2/NDF:23.0/22

Right Out: 0.007+/-0.015 χ^2/NDF: 20.2/18

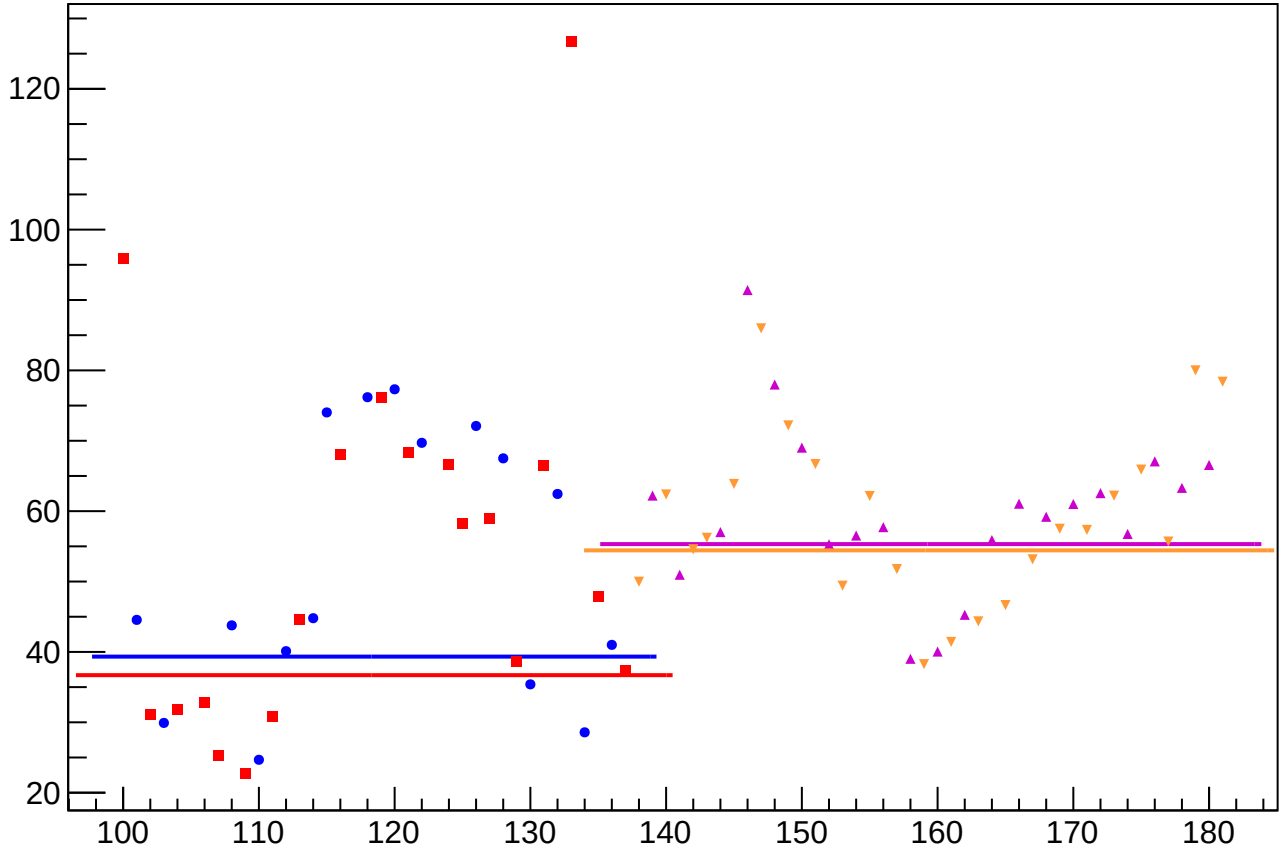
Left In: 0.008+/-0.014 χ^2/NDF:14.8/20

+ sign 0.020+/-0.010 χ^2/NDF: 53.5/38

All: 0.014+/-0.007 χ^2/NDF: 89.3/78

- sign 0.007+/-0.010 χ^2/NDF: 34.9/39

asym_sam6_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 39.334+/-0.011 χ^2/NDF: 1566545.4/15

Left Out: 54.429+/-0.009 χ^2/NDF:1463928.4/22

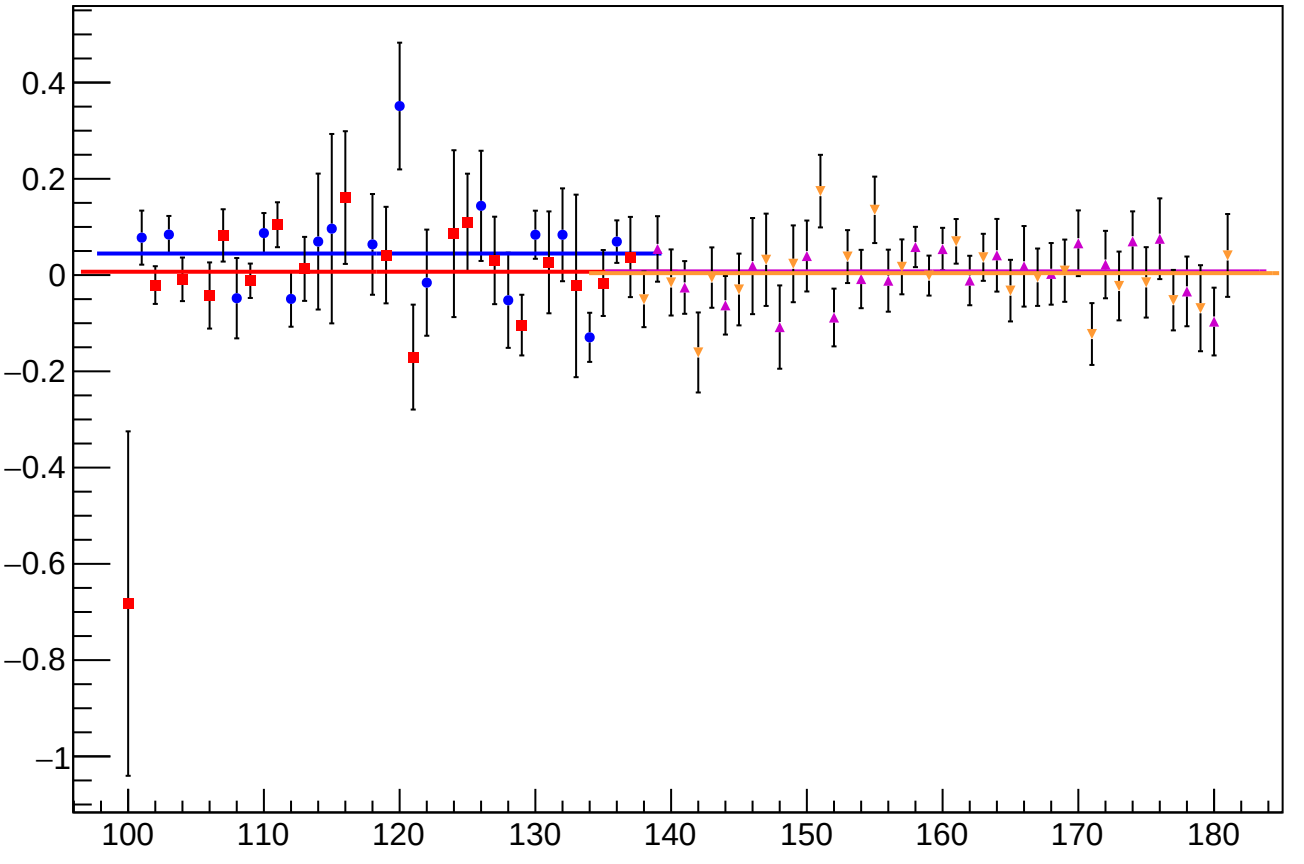
Right Out: 36.699+/-0.011 χ^2/NDF: 2096748.4/18

Left In: 55.321+/-0.010 χ^2/NDF:1293572.0/20

+ sign 48.331+/-0.007 χ^2/NDF: 4088634.3/38

All: 47.599+/-0.005 χ^2/NDF: 9157915.8/78

- sign 46.866+/-0.007 χ^2/NDF: 5048586.1/39



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.004+/-0.013 χ^2/NDF:23.0/22

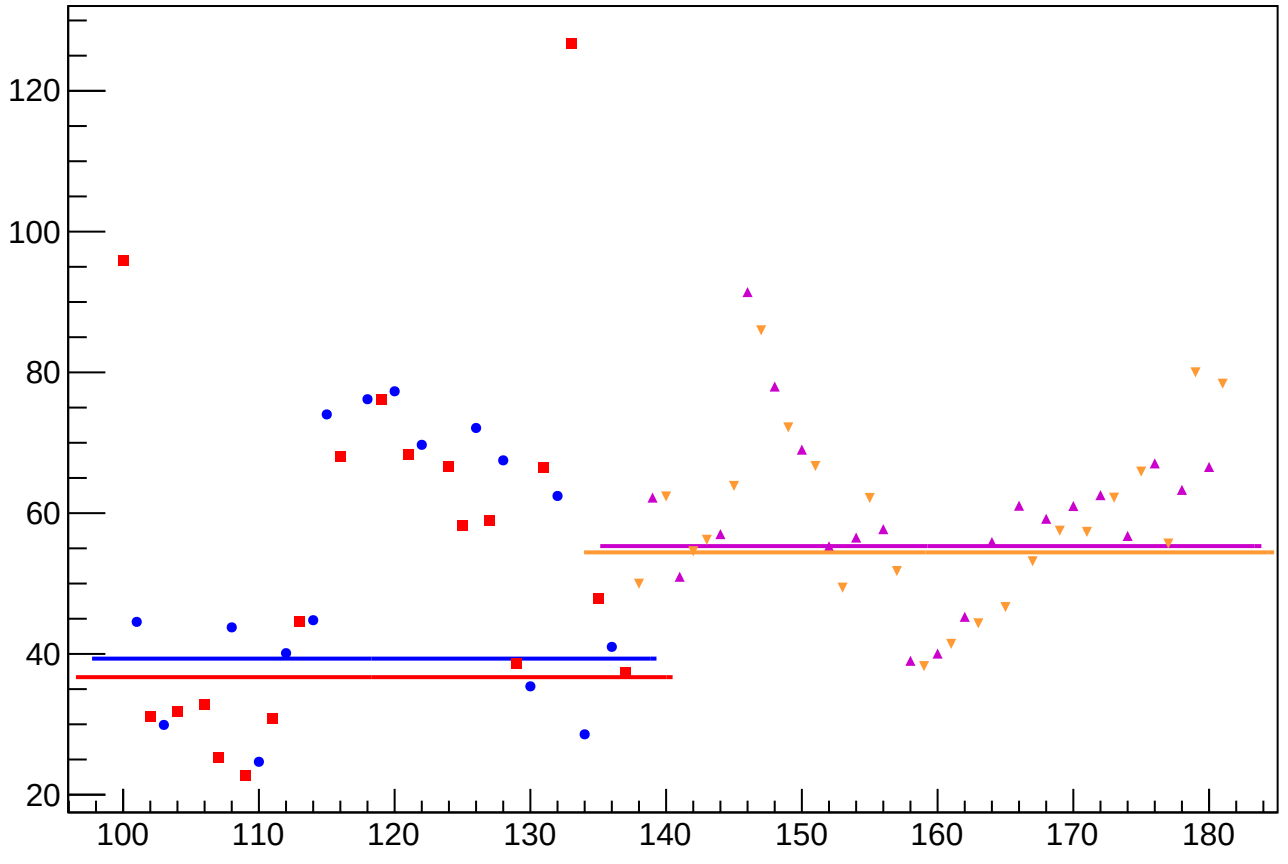
Right Out: 0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: 0.008+/-0.014 χ^2/NDF:14.8/20

+ sign 0.020+/-0.010 χ^2/NDF: 53.5/38

All: 0.014+/-0.007 χ^2/NDF: 89.3/78

- sign 0.007+/-0.010 χ^2/NDF: 34.9/39



Right In: 39.334+/-0.011 χ^2/NDF: 1566545.4/15

Left Out: 54.429+/-0.009 χ^2/NDF:1463928.4/22

Right Out: 36.699+/-0.011 χ^2/NDF: 2096748.4/18

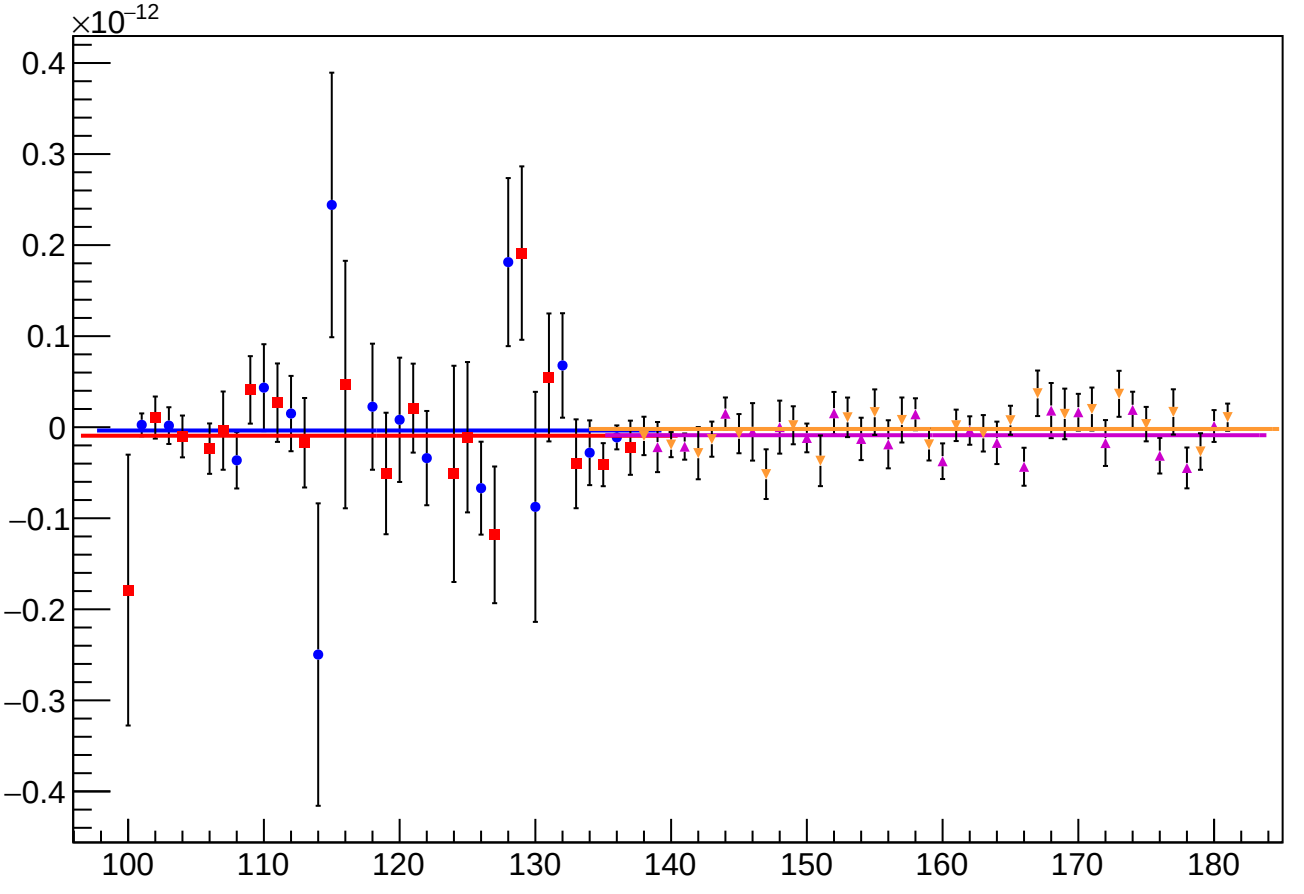
Left In: 55.321+/-0.010 χ^2/NDF:1293572.0/20

+ sign 48.331+/-0.007 χ^2/NDF: 4088634.3/38

All: 47.599+/-0.005 χ^2/NDF: 9157915.8/78

- sign 46.866+/-0.007 χ^2/NDF: 5048586.1/39

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:19.2/22

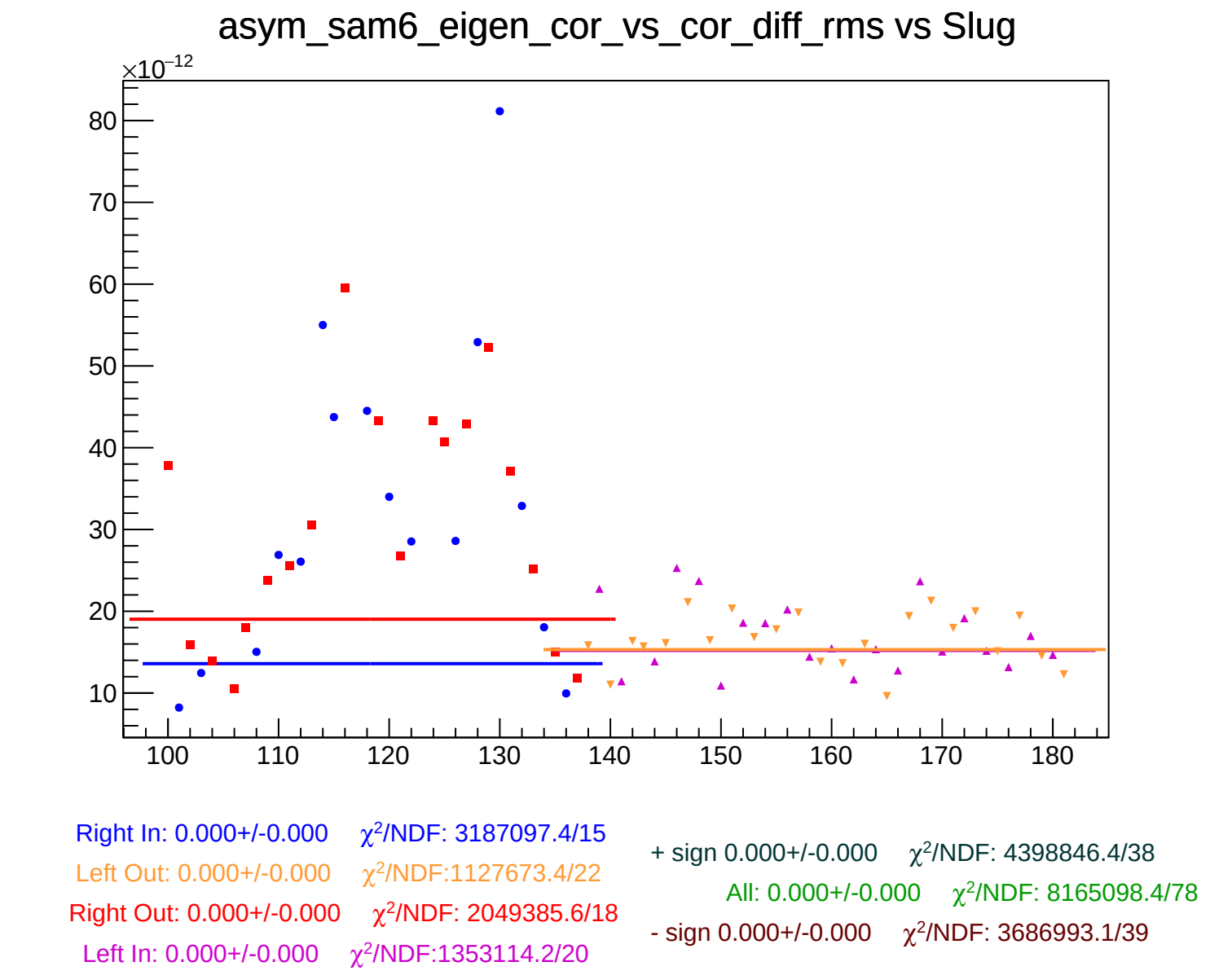
Right Out: -0.000+/-0.000 χ^2/NDF: 15.7/18

Left In: -0.000+/-0.000 χ^2/NDF:19.7/20

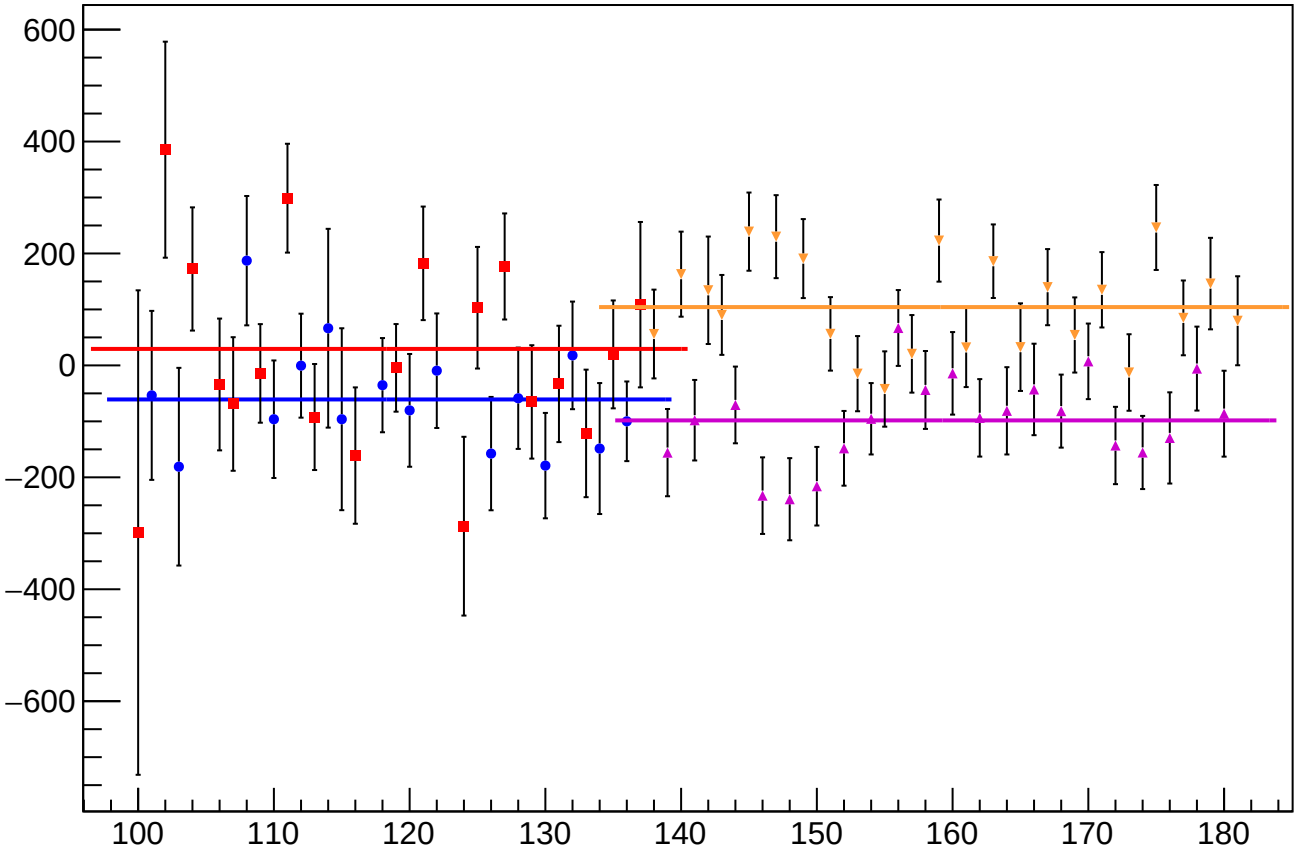
+ sign -0.000+/-0.000 χ^2/NDF: 35.8/38

All: -0.000+/-0.000 χ^2/NDF: 72.7/78

- sign -0.000+/-0.000 χ^2/NDF: 35.4/39


asym_sam6_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: 3187097.4/15
Left Out: 0.000+/-0.000 χ²/NDF:1127673.4/22
Right Out: 0.000+/-0.000 χ²/NDF: 2049385.6/18
Left In: 0.000+/-0.000 χ²/NDF:1353114.2/20
+ sign 0.000+/-0.000 χ²/NDF: 4398846.4/38
All: 0.000+/-0.000 χ²/NDF: 8165098.4/78
- sign 0.000+/-0.000 χ²/NDF: 3686993.1/39

reg_asym_sam7_mean vs Slug



Right In: -60.846+/-26.054 χ^2/NDF: 10.6/15

Left Out: 104.188+/-14.966 χ^2/NDF:33.0/22

Right Out: 29.453+/-25.105 χ^2/NDF: 31.2/18

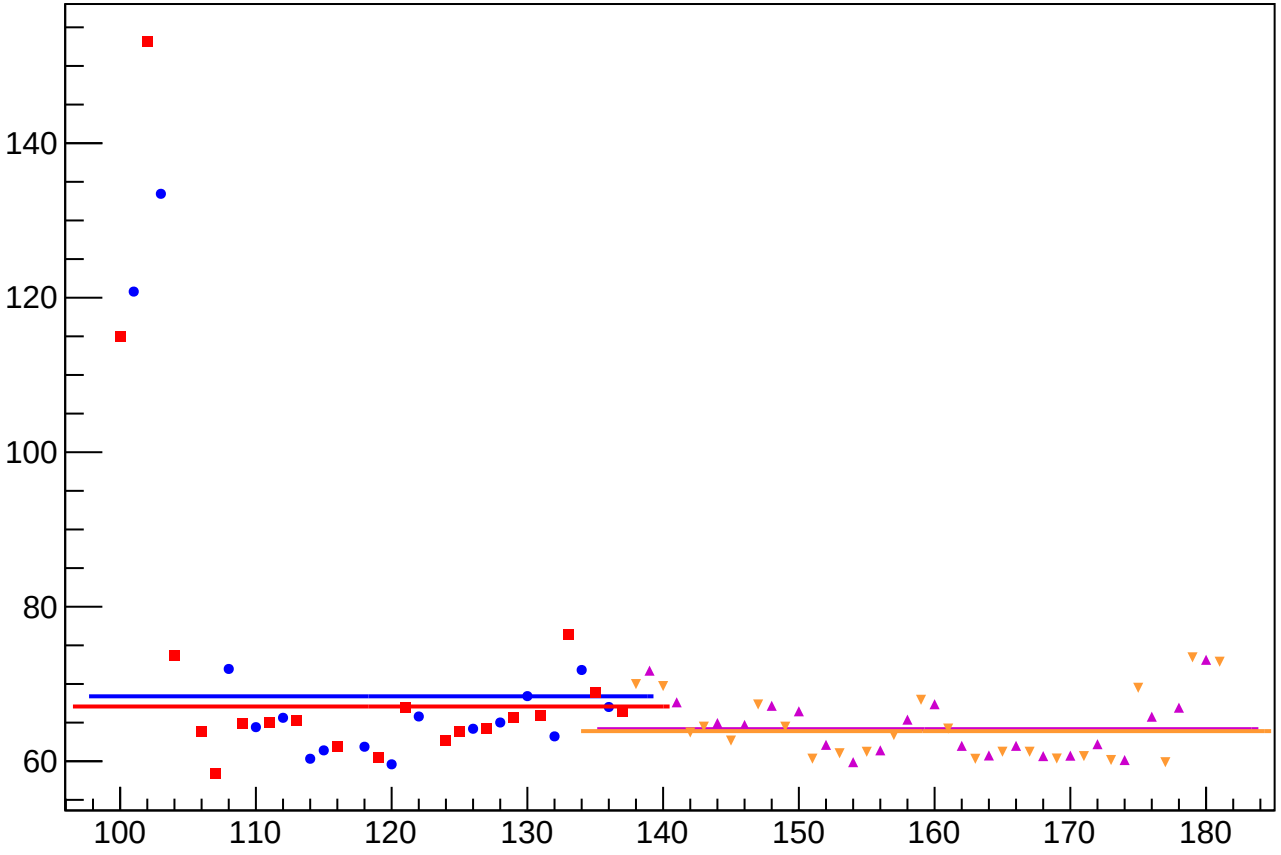
Left In: -98.288+/-15.487 χ^2/NDF:25.4/20

+ sign 63.240+/-12.978 χ^2/NDF: 73.8/38

All: 1.062+/-9.248 χ^2/NDF: 195.7/78

- sign -63.078+/-13.181 χ^2/NDF: 75.3/39

reg_asym_sam7_rms vs Slug



Right In: 68.403+/-0.018 χ^2/NDF: 569557.5/15

Left Out: 63.898+/-0.011 χ^2/NDF:146246.9/22

Right Out: 67.086+/-0.018 χ^2/NDF: 481815.1/18

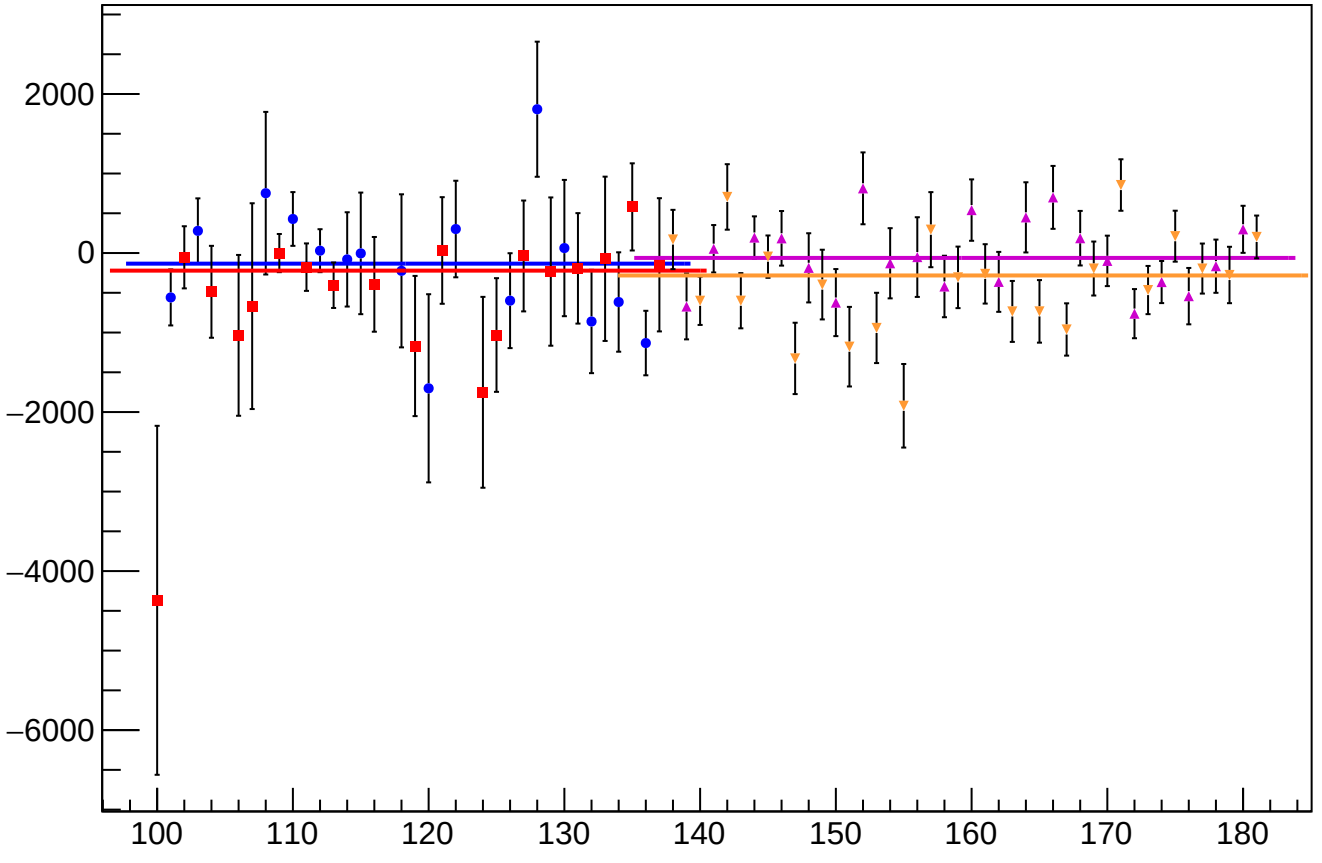
Left In: 64.152+/-0.011 χ^2/NDF:106030.1/20

+ sign 65.016+/-0.009 χ^2/NDF: 760772.8/38

All: 64.989+/-0.007 χ^2/NDF: 1368417.4/78

- sign 64.961+/-0.009 χ^2/NDF: 607626.9/39

asym_sam7_reg_correction_mean vs Slug



Right In: -133.590+/-125.904 χ^2/NDF: 22.5/15

Left Out: -282.097+/-74.372 χ^2/NDF:57.5/22

Right Out: -221.324+/-117.783 χ^2/NDF: 12.5/18

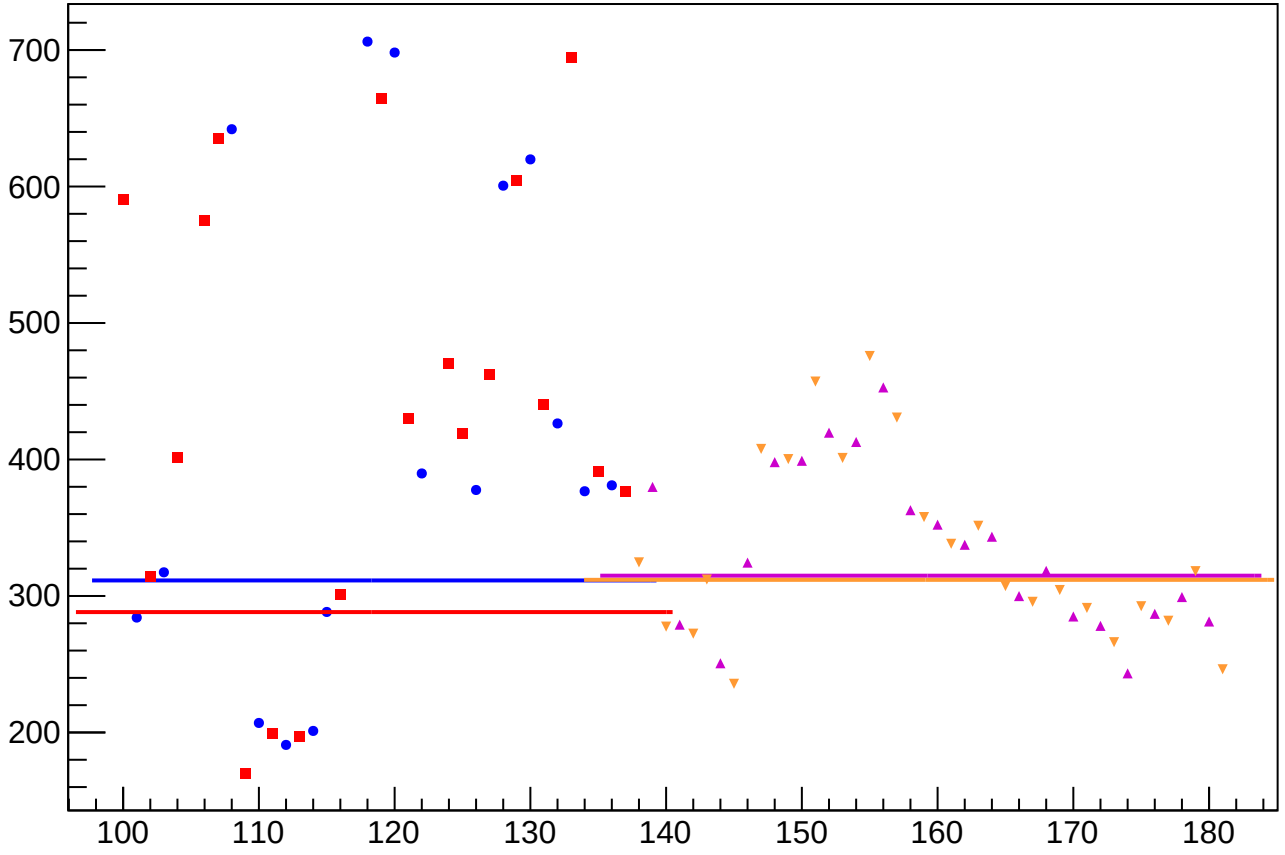
Left In: -61.533+/-77.152 χ^2/NDF:28.8/20

+ sign -243.682+/-64.035 χ^2/NDF: 81.0/38

All: -177.121+/-45.457 χ^2/NDF: 125.8/78

- sign -109.510+/-64.539 χ^2/NDF: 42.6/39

asym_sam7_reg_correction_rms vs Slug



Right In: 311.386+/-0.089 χ^2/NDF: 2123797.6/15

Left Out: 311.826+/-0.053 χ^2/NDF:1218561.9/22

Right Out: 288.205+/-0.083 χ^2/NDF: 2715380.6/18

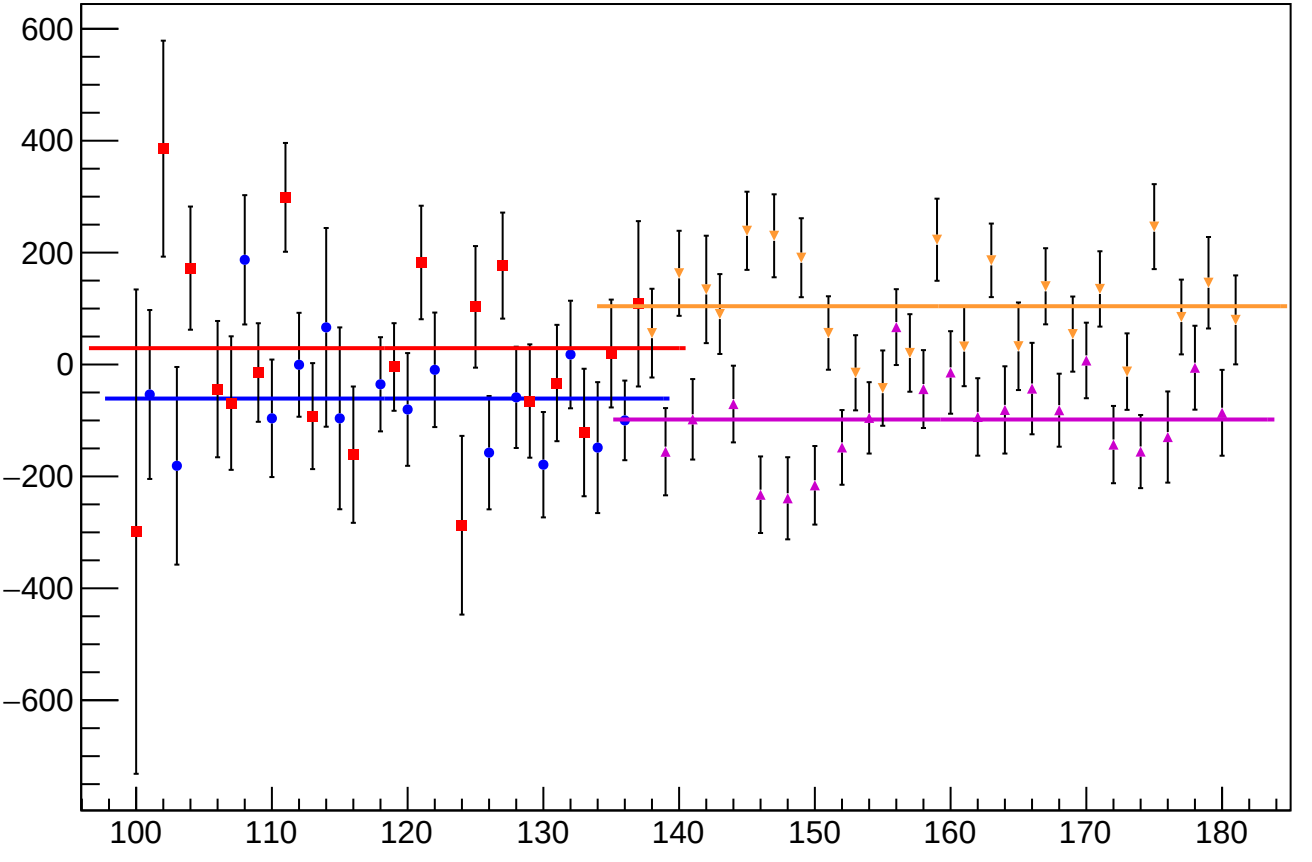
Left In: 314.868+/-0.055 χ^2/NDF:1009278.2/20

+ sign 311.713+/-0.045 χ^2/NDF: 3342377.7/38

All: 309.306+/-0.032 χ^2/NDF: 7144446.3/78

- sign 306.862+/-0.046 χ^2/NDF: 3796376.0/39

cor_asym_sam7_mean vs Slug



Right In: -60.848+/-26.054 χ^2/NDF: 10.6/15

Left Out: 104.188+/-14.966 χ^2/NDF:33.0/22

Right Out: 29.221+/-25.143 χ^2/NDF: 31.3/18

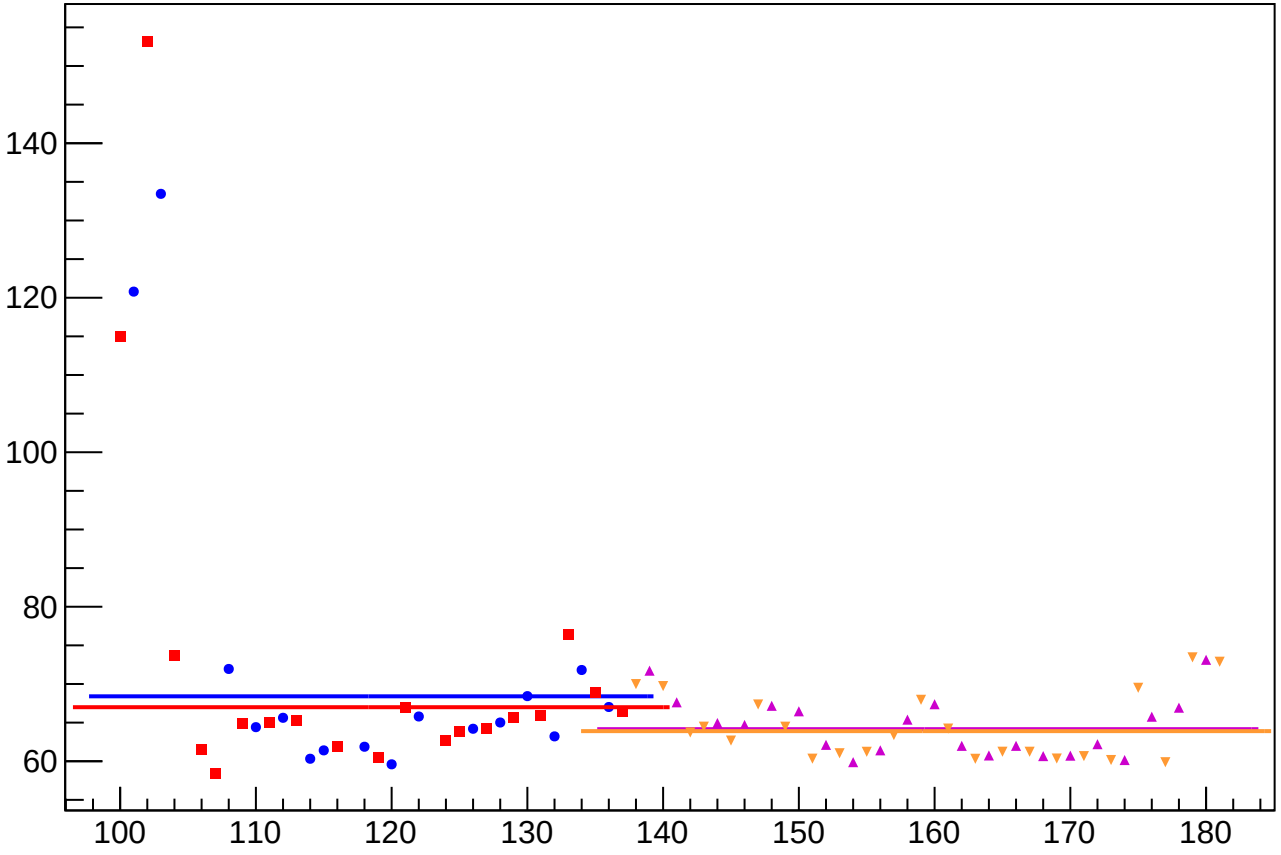
Left In: -98.286+/-15.487 χ^2/NDF:25.4/20

+ sign 63.240+/-12.978 χ^2/NDF: 73.8/38

All: 1.019+/-9.249 χ^2/NDF: 195.8/78

- sign -63.217+/-13.186 χ^2/NDF: 75.3/39

cor_asym_sam7_rms vs Slug



Right In: 68.403+/-0.018 χ^2/NDF: 569557.9/15

Left Out: 63.898+/-0.011 χ^2/NDF:146246.9/22

Right Out: 66.995+/-0.018 χ^2/NDF: 484487.7/18

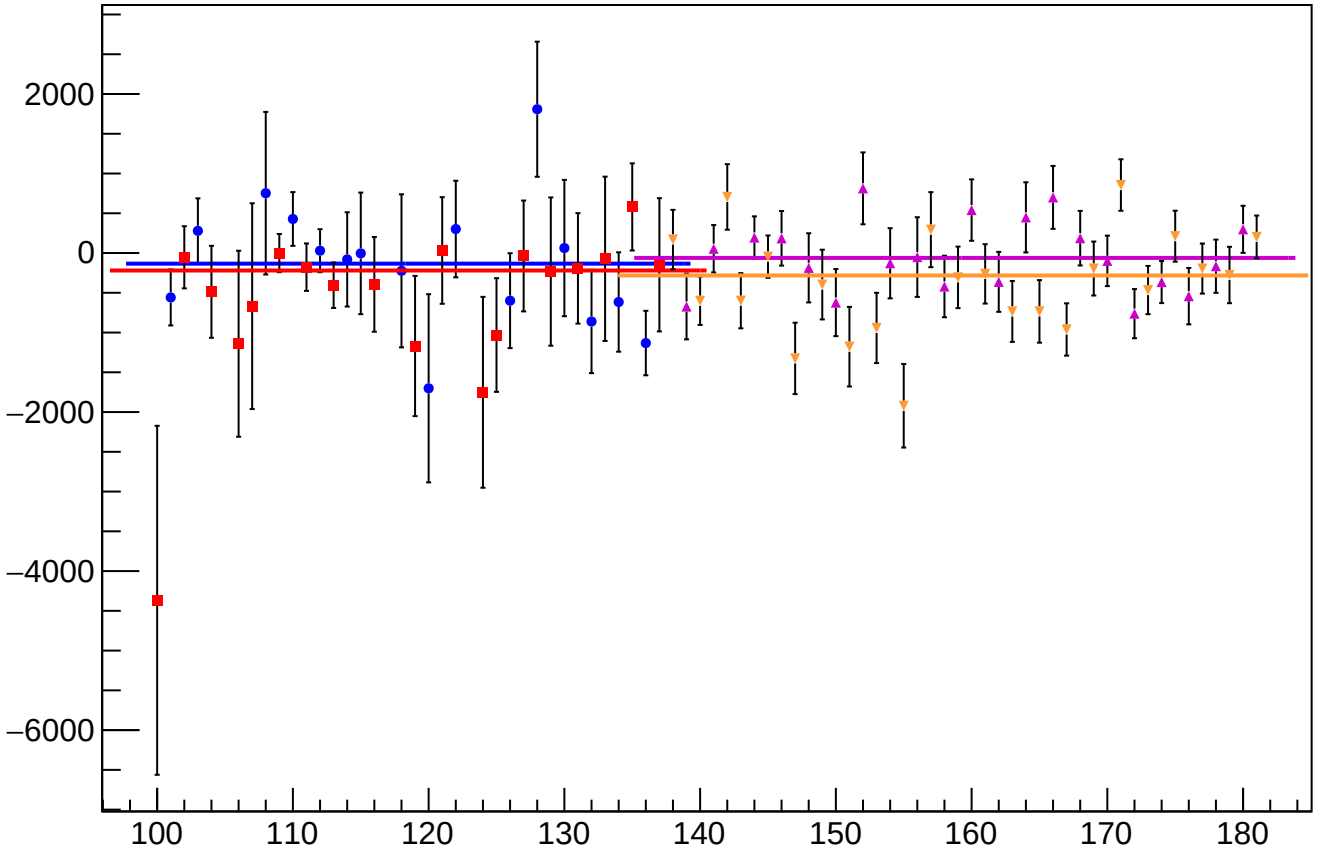
Left In: 64.152+/-0.011 χ^2/NDF:106030.1/20

+ sign 65.016+/-0.009 χ^2/NDF: 760773.1/38

All: 64.976+/-0.007 χ^2/NDF: 1369861.8/78

- sign 64.934+/-0.009 χ^2/NDF: 609049.5/39

asym_sam7_cor_correction_mean vs Slug



Right In: -133.587+/-125.904 χ^2/NDF: 22.5/15

Left Out: -282.097+/-74.372 χ^2/NDF:57.5/22

Right Out: -219.615+/-117.989 χ^2/NDF: 12.5/18

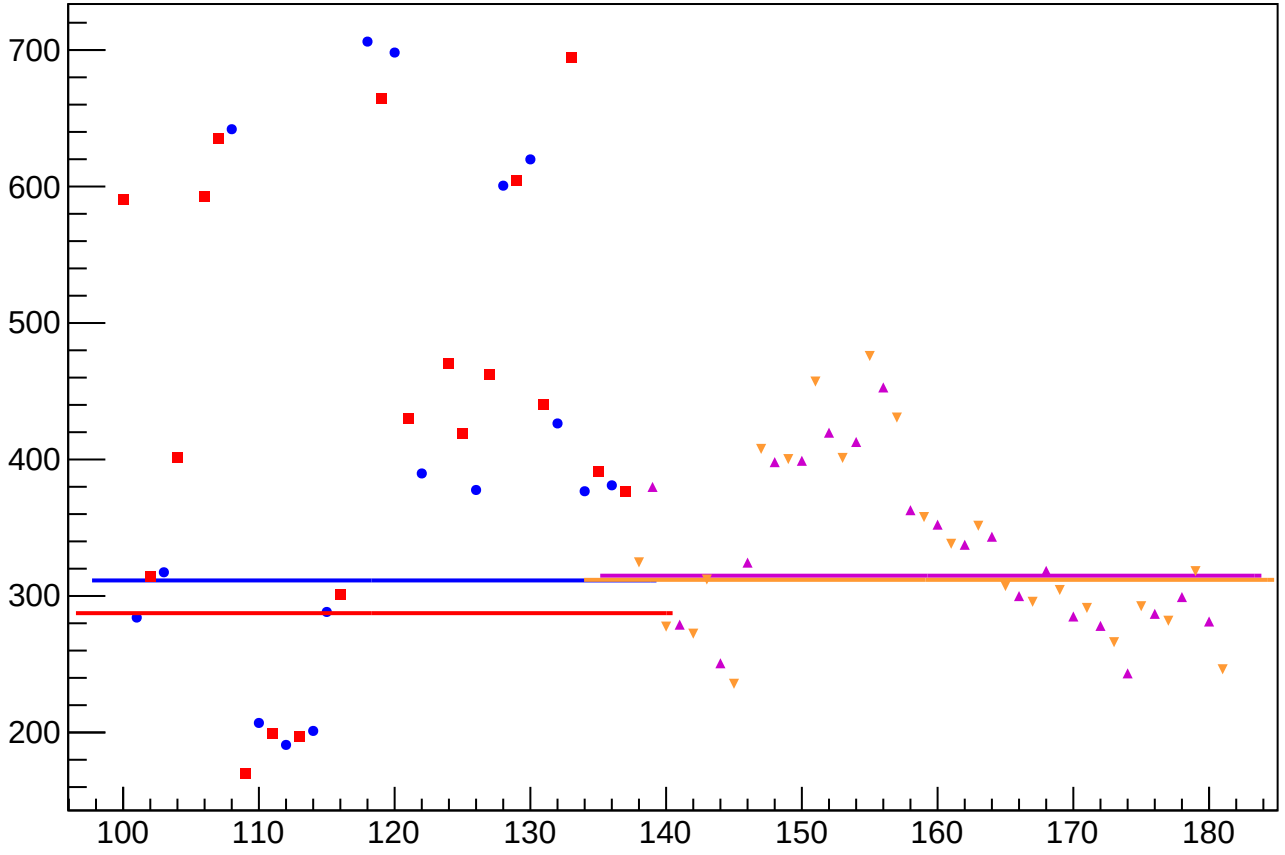
Left In: -61.528+/-77.152 χ^2/NDF:28.8/20

+ sign -243.681+/-64.035 χ^2/NDF: 81.0/38

All: -176.842+/-45.468 χ^2/NDF: 125.8/78

- sign -108.876+/-64.573 χ^2/NDF: 42.5/39

asym_sam7_cor_correction_rms vs Slug



Right In: 311.388+/-0.089 χ^2/NDF: 2123799.0/15

Left Out: 311.826+/-0.053 χ^2/NDF:1218559.6/22

Right Out: 287.413+/-0.083 χ^2/NDF: 2690258.0/18

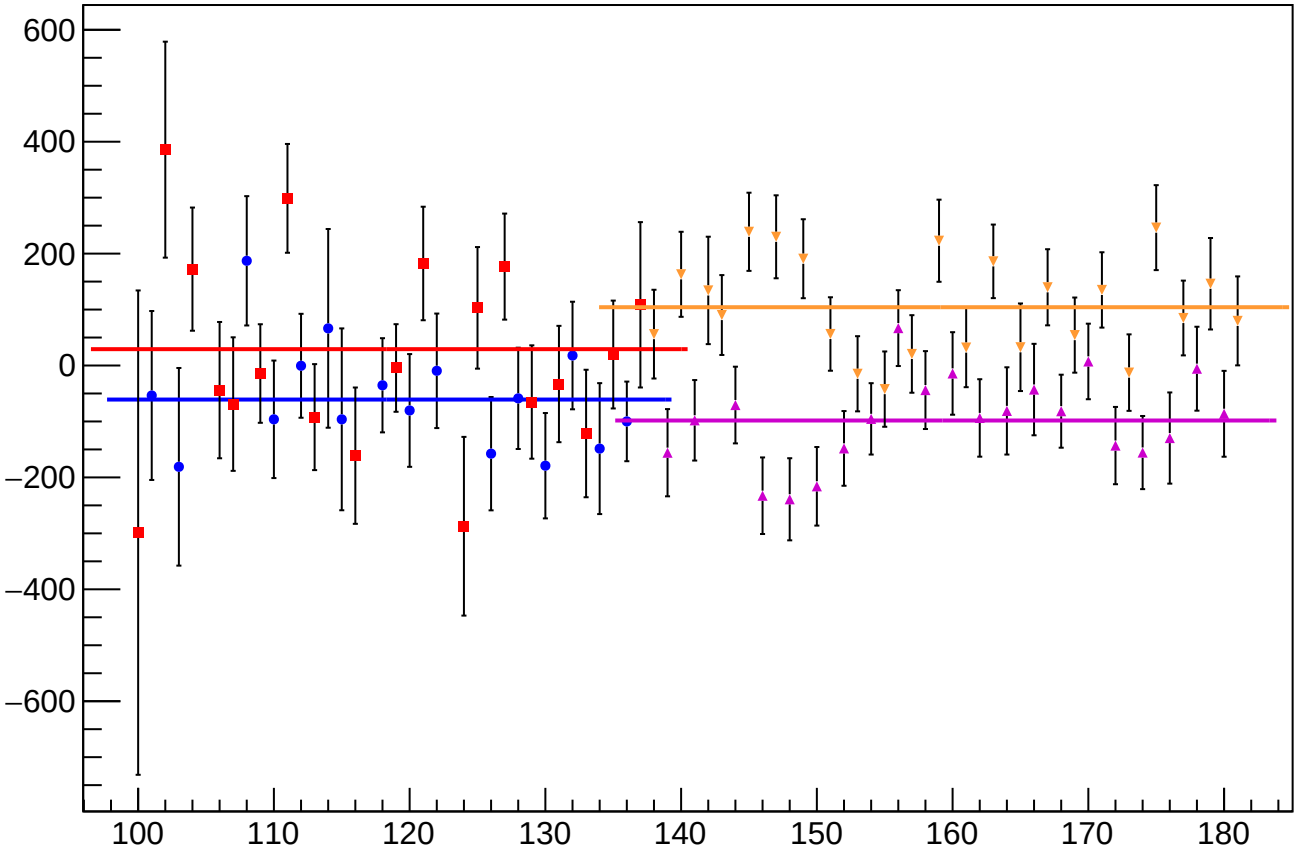
Left In: 314.868+/-0.055 χ^2/NDF:1009281.3/20

+ sign 311.713+/-0.045 χ^2/NDF: 3342376.7/38

All: 309.200+/-0.032 χ^2/NDF: 7123981.6/78

- sign 306.645+/-0.046 χ^2/NDF: 3775393.0/39

eigen_cor_asym_sam7_mean vs Slug



Right In: -60.848+/-26.054 χ^2/NDF: 10.6/15

Left Out: 104.188+/-14.966 χ^2/NDF:33.0/22

Right Out: 29.221+/-25.143 χ^2/NDF: 31.3/18

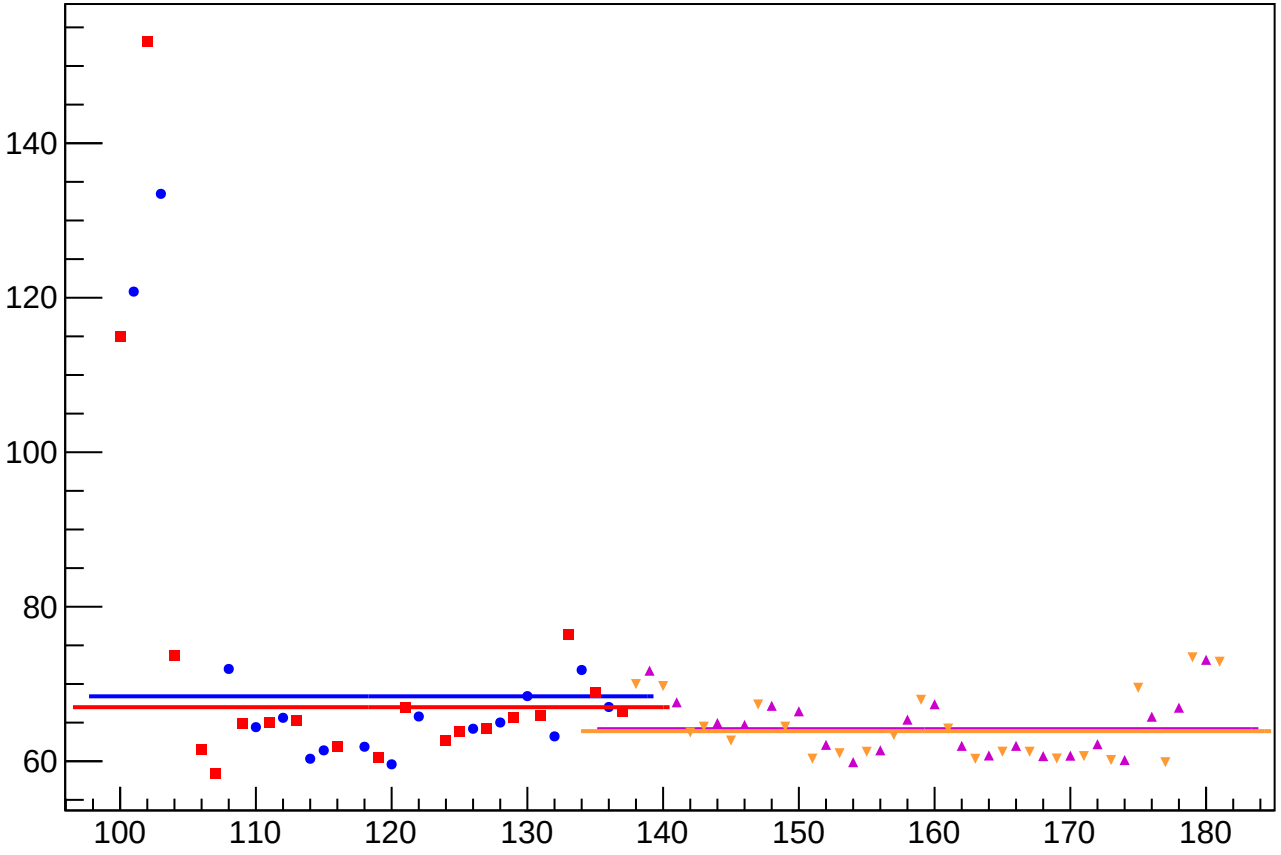
Left In: -98.286+/-15.487 χ^2/NDF:25.4/20

+ sign 63.240+/-12.978 χ^2/NDF: 73.8/38

All: 1.019+/-9.249 χ^2/NDF: 195.8/78

- sign -63.217+/-13.186 χ^2/NDF: 75.3/39

eigen_cor_asym_sam7_rms vs Slug



Right In: 68.403+/-0.018 χ^2/NDF: 569557.9/15

Left Out: 63.898+/-0.011 χ^2/NDF:146246.9/22

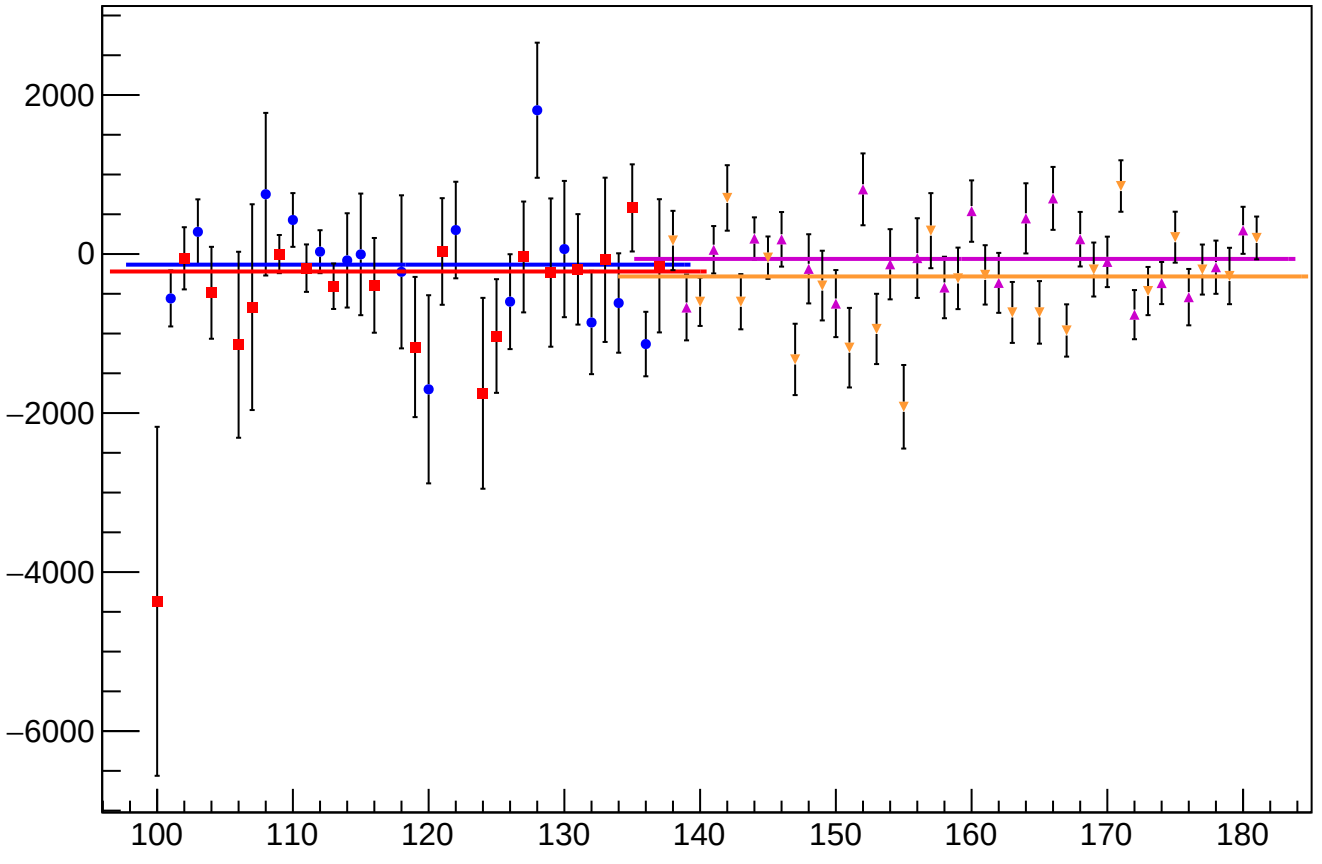
Right Out: 66.995+/-0.018 χ^2/NDF: 484487.7/18

Left In: 64.152+/-0.011 χ^2/NDF:106030.1/20

+ sign 65.016+/-0.009 χ^2/NDF: 760773.1/38

All: 64.976+/-0.007 χ^2/NDF: 1369861.8/78

- sign 64.934+/-0.009 χ^2/NDF: 609049.5/39



Right In: -133.587+/-125.904 χ^2/NDF: 22.5/15

Left Out: -282.097+/-74.372 χ^2/NDF:57.5/22

Right Out: -219.615+/-117.989 χ^2/NDF: 12.5/18

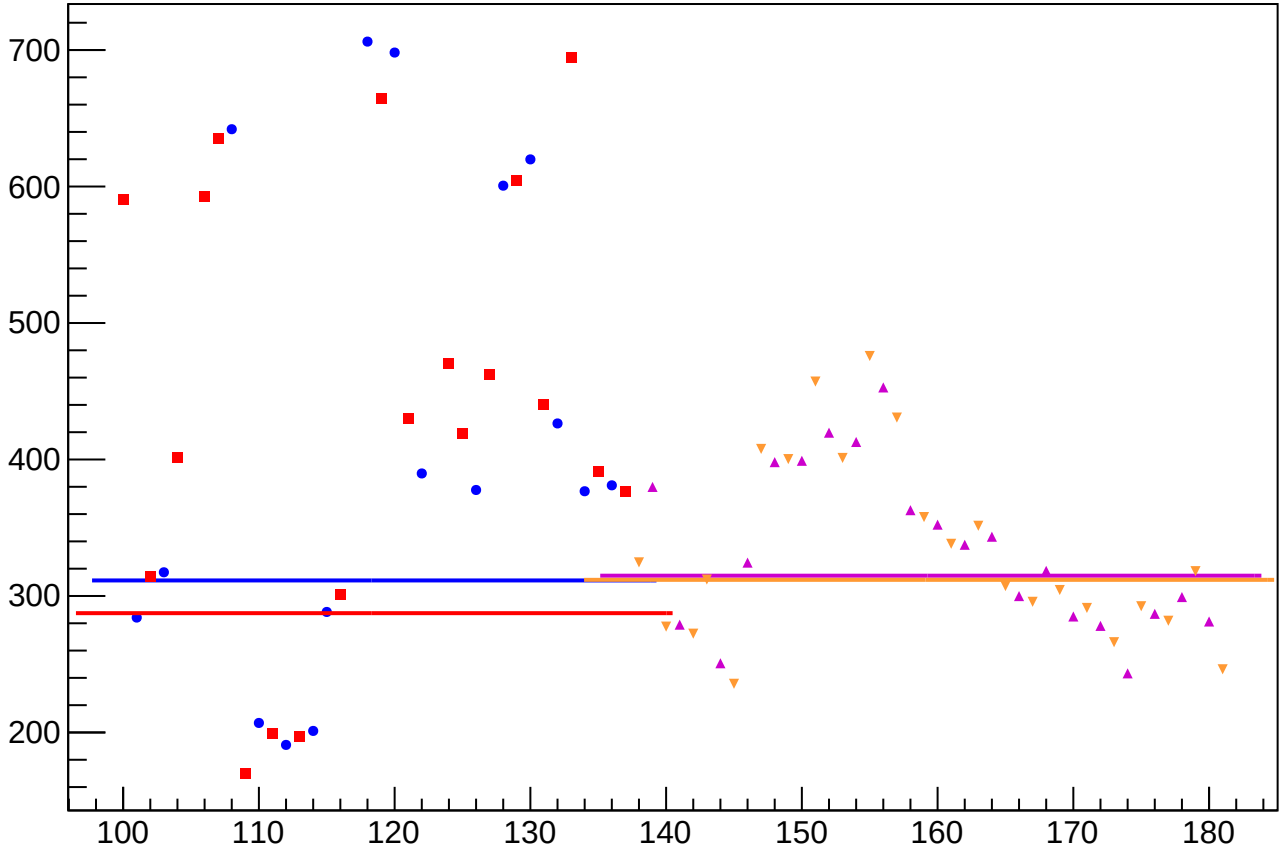
Left In: -61.528+/-77.152 χ^2/NDF:28.8/20

+ sign -243.681+/-64.035 χ^2/NDF: 81.0/38

All: -176.842+/-45.468 χ^2/NDF: 125.8/78

- sign -108.876+/-64.573 χ^2/NDF: 42.5/39

asym_sam7_eigen_cor_correction_rms vs Slug



Right In: 311.388+/-0.089 χ^2/NDF: 2123799.0/15

Left Out: 311.826+/-0.053 χ^2/NDF:1218559.6/22

Right Out: 287.413+/-0.083 χ^2/NDF: 2690258.0/18

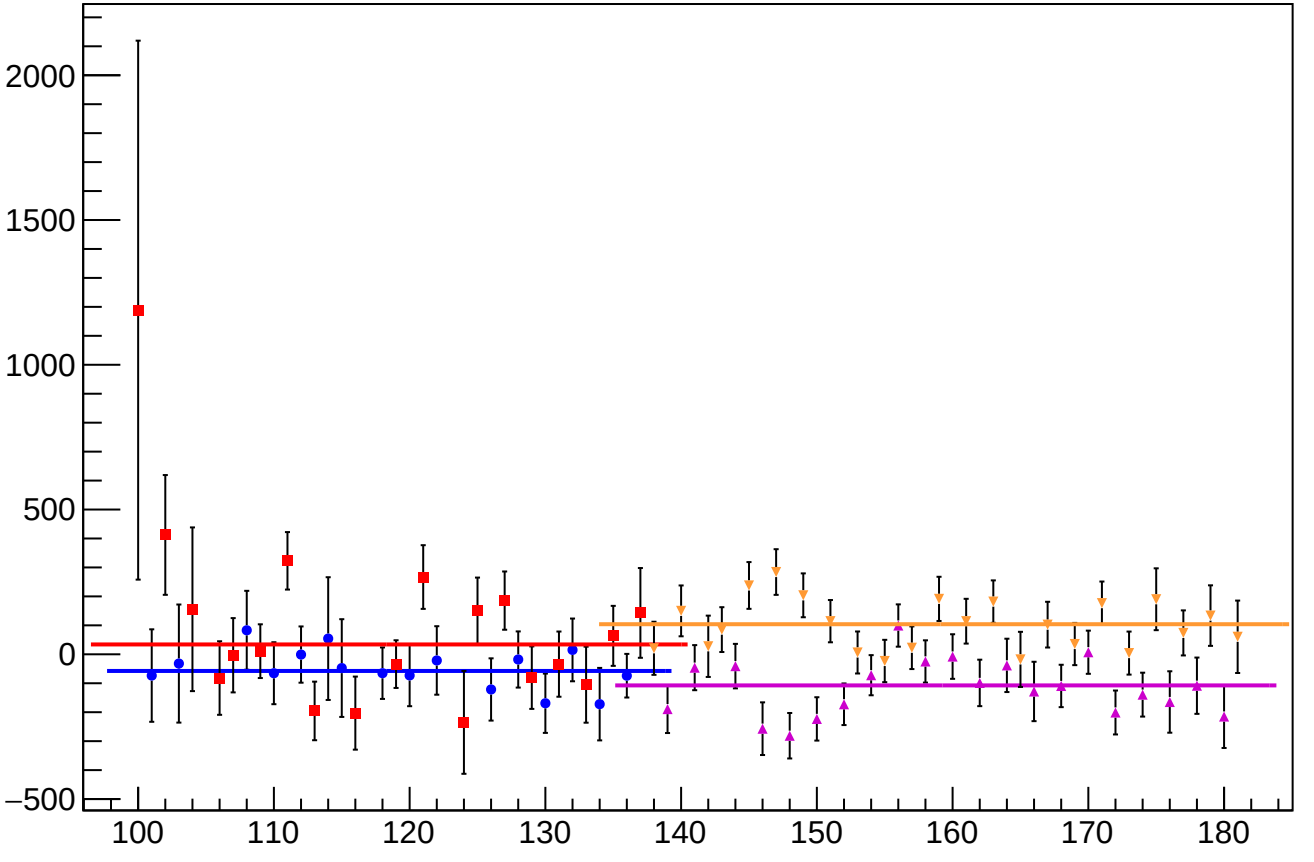
Left In: 314.868+/-0.055 χ^2/NDF:1009281.3/20

+ sign 311.713+/-0.045 χ^2/NDF: 3342376.7/38

All: 309.200+/-0.032 χ^2/NDF: 7123981.6/78

- sign 306.645+/-0.046 χ^2/NDF: 3775393.0/39

dit_asym_sam7_mean vs Slug



Right In: -57.533+/-28.087 χ^2/NDF: 4.9/15

Left Out: 103.916+/-16.916 χ^2/NDF:26.2/22

Right Out: 34.033+/-27.398 χ^2/NDF: 37.1/18

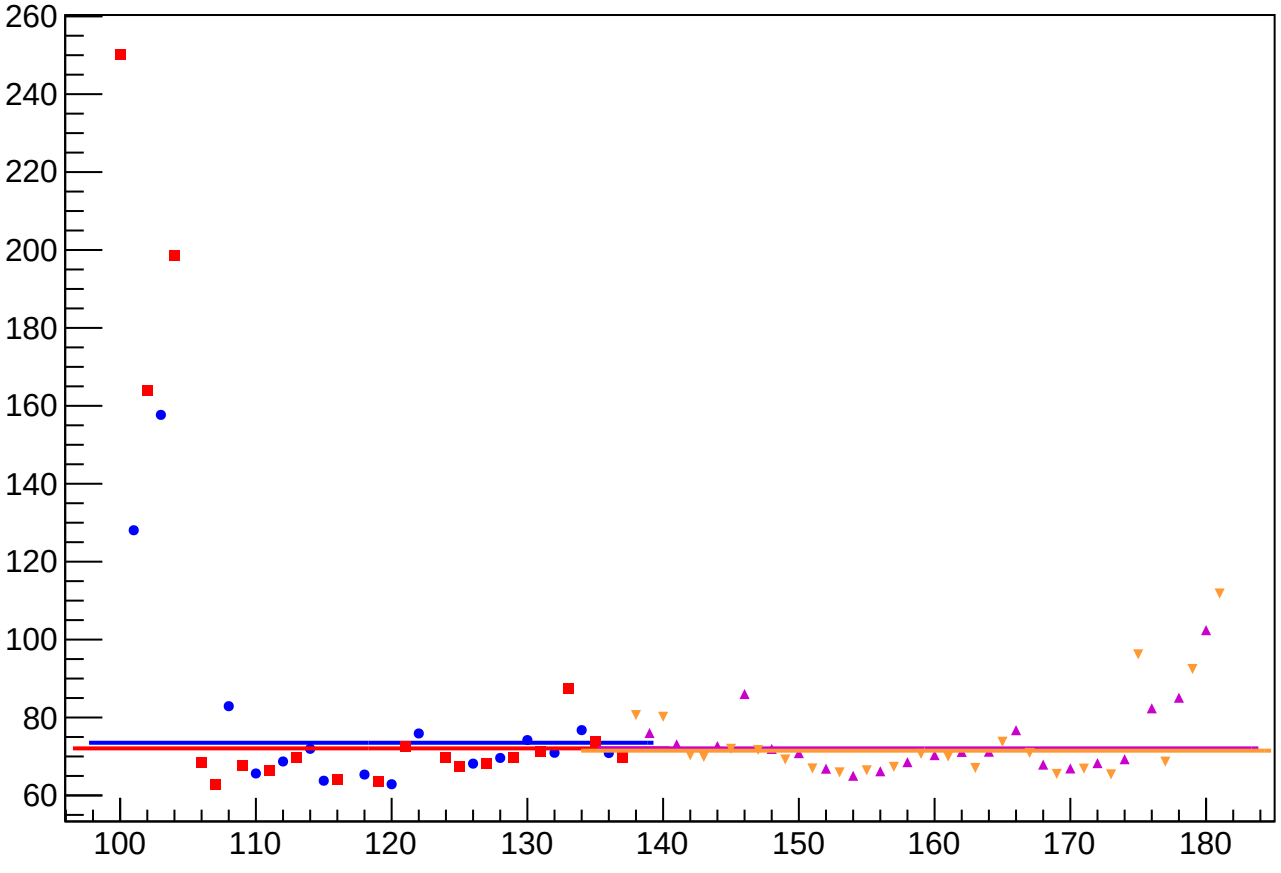
Left In: -107.427+/-17.543 χ^2/NDF:30.3/20

+ sign 60.941+/-14.491 χ^2/NDF: 55.3/38

All: -1.446+/-10.345 χ^2/NDF: 179.5/78

- sign -66.294+/-14.774 χ^2/NDF: 86.4/39

dit_asym_sam7_rms vs Slug



Right In: 73.519+/-0.020 χ^2/NDF: 656847.5/15

Left Out: 71.489+/-0.012 χ^2/NDF:520403.8/22

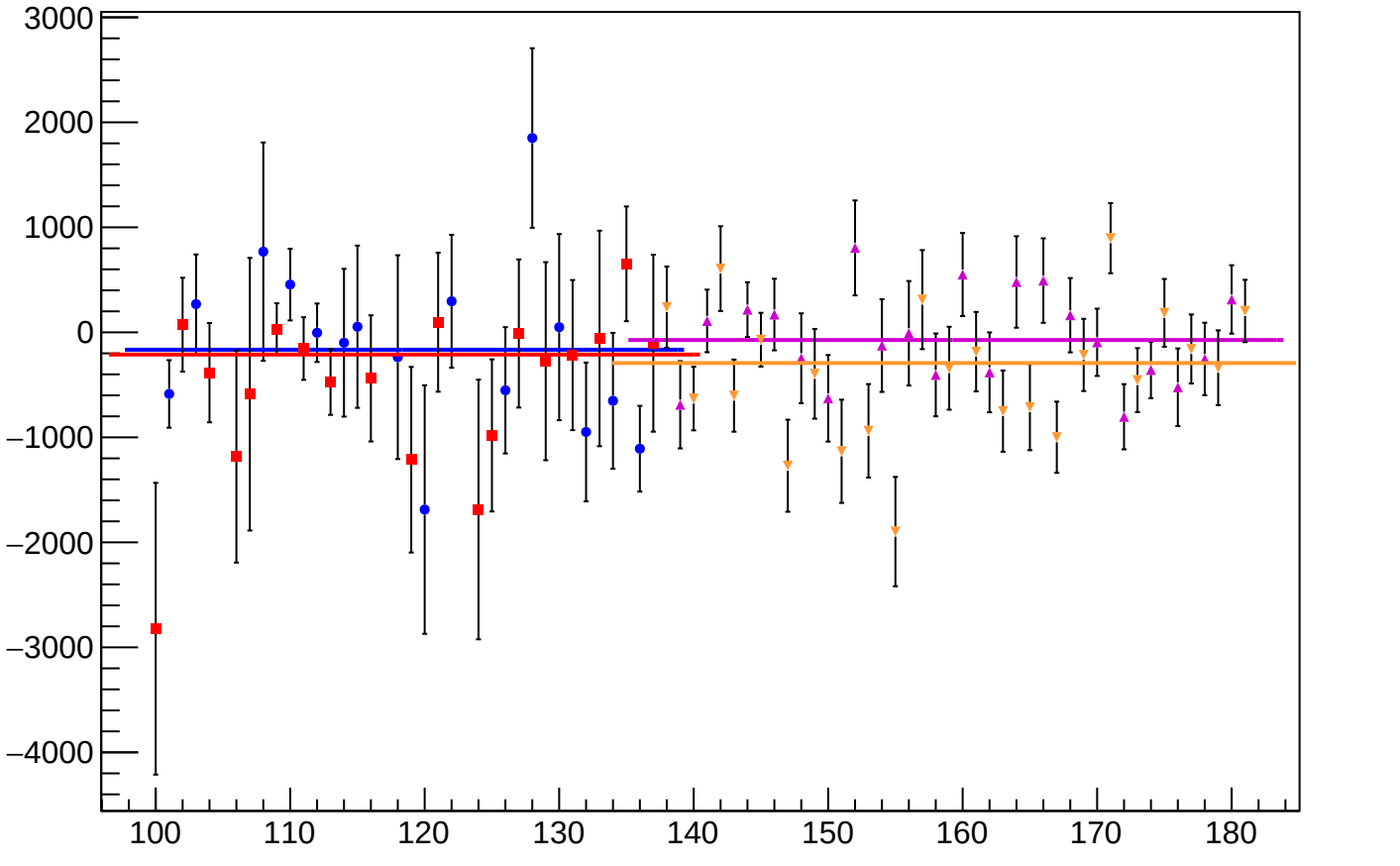
Right Out: 72.074+/-0.019 χ^2/NDF: 958495.0/18

Left In: 72.074+/-0.012 χ^2/NDF:341128.6/20

+ sign 72.029+/-0.010 χ^2/NDF: 1184918.8/38

All: 72.051+/-0.007 χ^2/NDF: 2484551.7/78

- sign 72.074+/-0.010 χ^2/NDF: 1299623.6/39



Right In: -165.500+/-128.438 χ^2/NDF: 22.6/15

Left Out: -292.434+/-75.273 χ^2/NDF:56.0/22

Right Out: -211.347+/-120.122 χ^2/NDF: 13.6/18

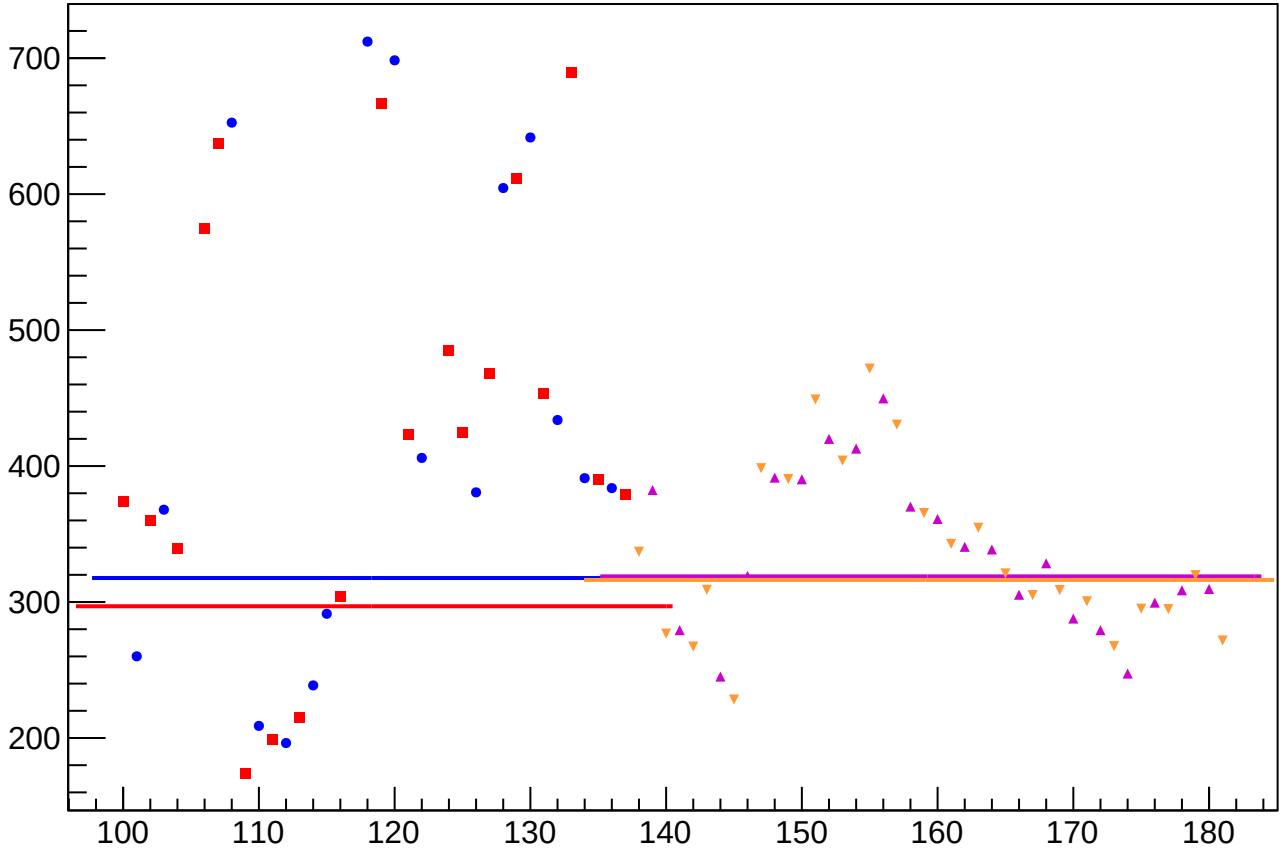
Left In: -72.887+/-78.083 χ^2/NDF:27.8/20

+ sign -259.981+/-64.942 χ^2/NDF: 79.3/38

All: -187.585+/-46.105 χ^2/NDF: 124.2/78

- sign -114.014+/-65.467 χ^2/NDF: 42.3/39

asym_sam7_dit_correction_rms vs Slug



Right In: 317.664+/-0.091 χ^2/NDF: 2136192.8/15

Left Out: 316.248+/-0.053 χ^2/NDF:1137383.8/22

Right Out: 296.888+/-0.085 χ^2/NDF: 2541040.3/18

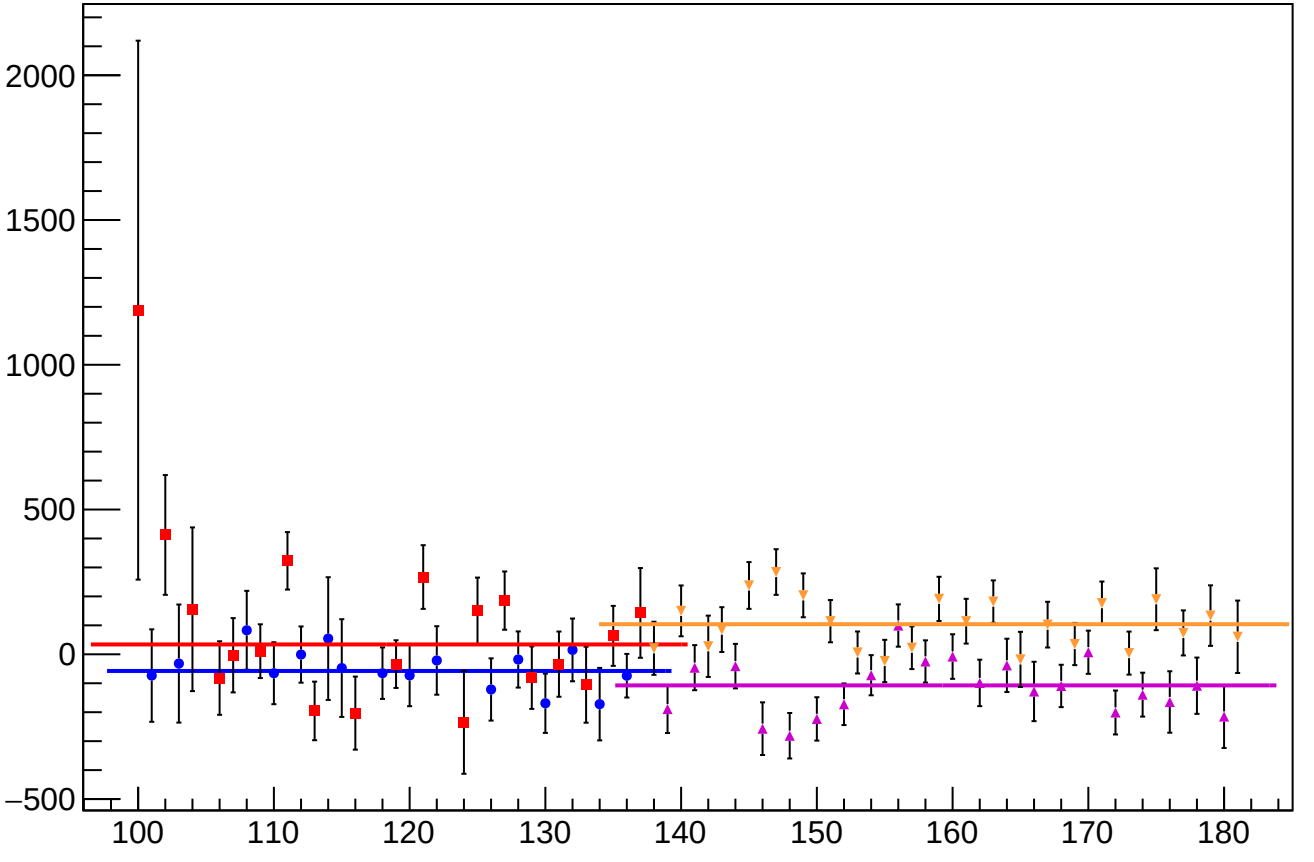
Left In: 318.865+/-0.055 χ^2/NDF:960681.8/20

\+ sign 316.610+/-0.046 χ^2/NDF: 3273757.6/38

All: 314.491+/-0.033 χ^2/NDF: 6826834.7/78

\- sign 312.337+/-0.046 χ^2/NDF: 3548783.7/39

eigen_dit_asym_sam7_mean vs Slug



Right In: -57.532+/-28.087 χ^2/NDF: 4.9/15

Left Out: 103.916+/-16.916 χ^2/NDF:26.2/22

Right Out: 34.034+/-27.398 χ^2/NDF: 37.1/18

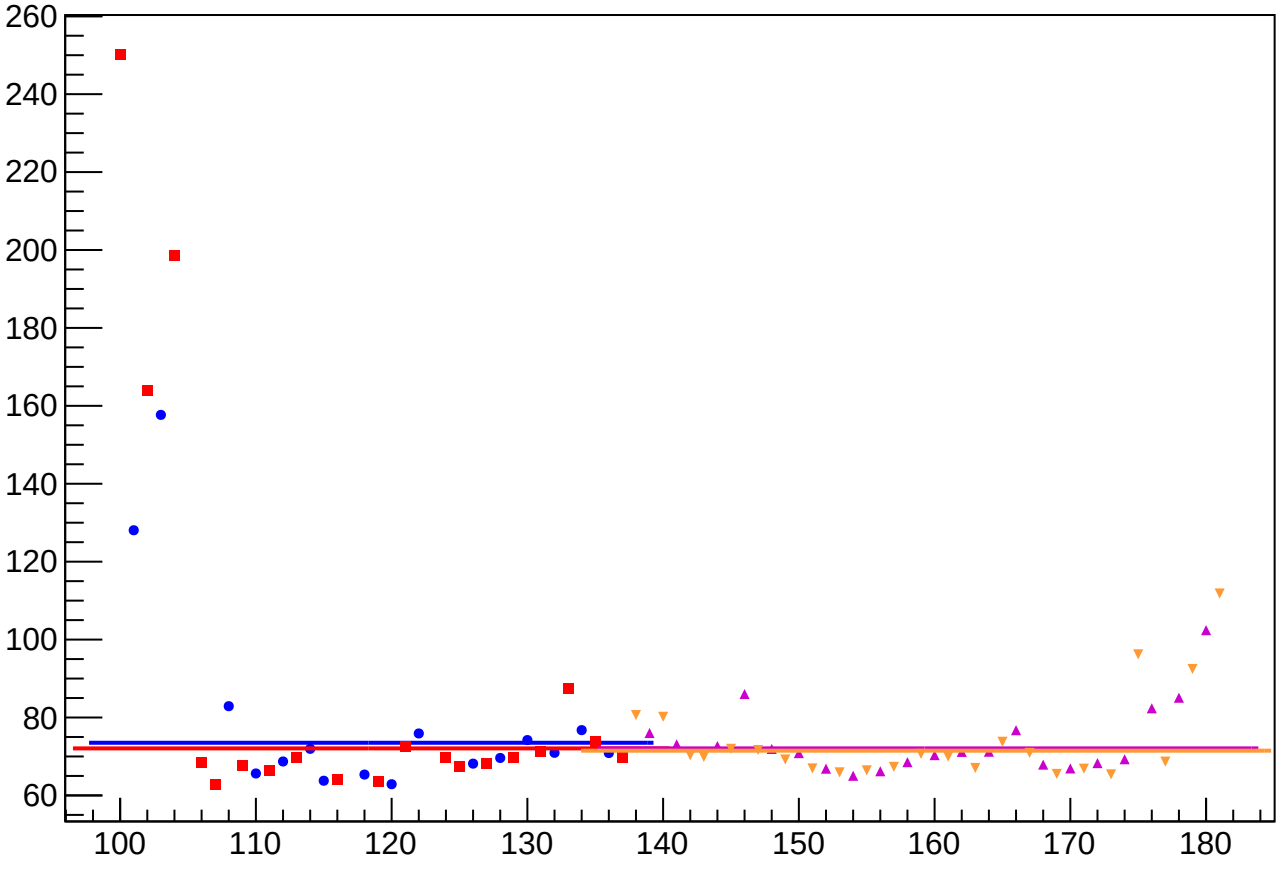
Left In: -107.427+/-17.543 χ^2/NDF:30.3/20

+ sign 60.940+/-14.491 χ^2/NDF: 55.3/38

All: -1.446+/-10.345 χ^2/NDF: 179.5/78

- sign -66.293+/-14.774 χ^2/NDF: 86.4/39

eigen_dit_asym_sam7_rms vs Slug



Right In: 73.519+/-0.020 χ^2/NDF: 656849.2/15

Left Out: 71.489+/-0.012 χ^2/NDF:520401.7/22

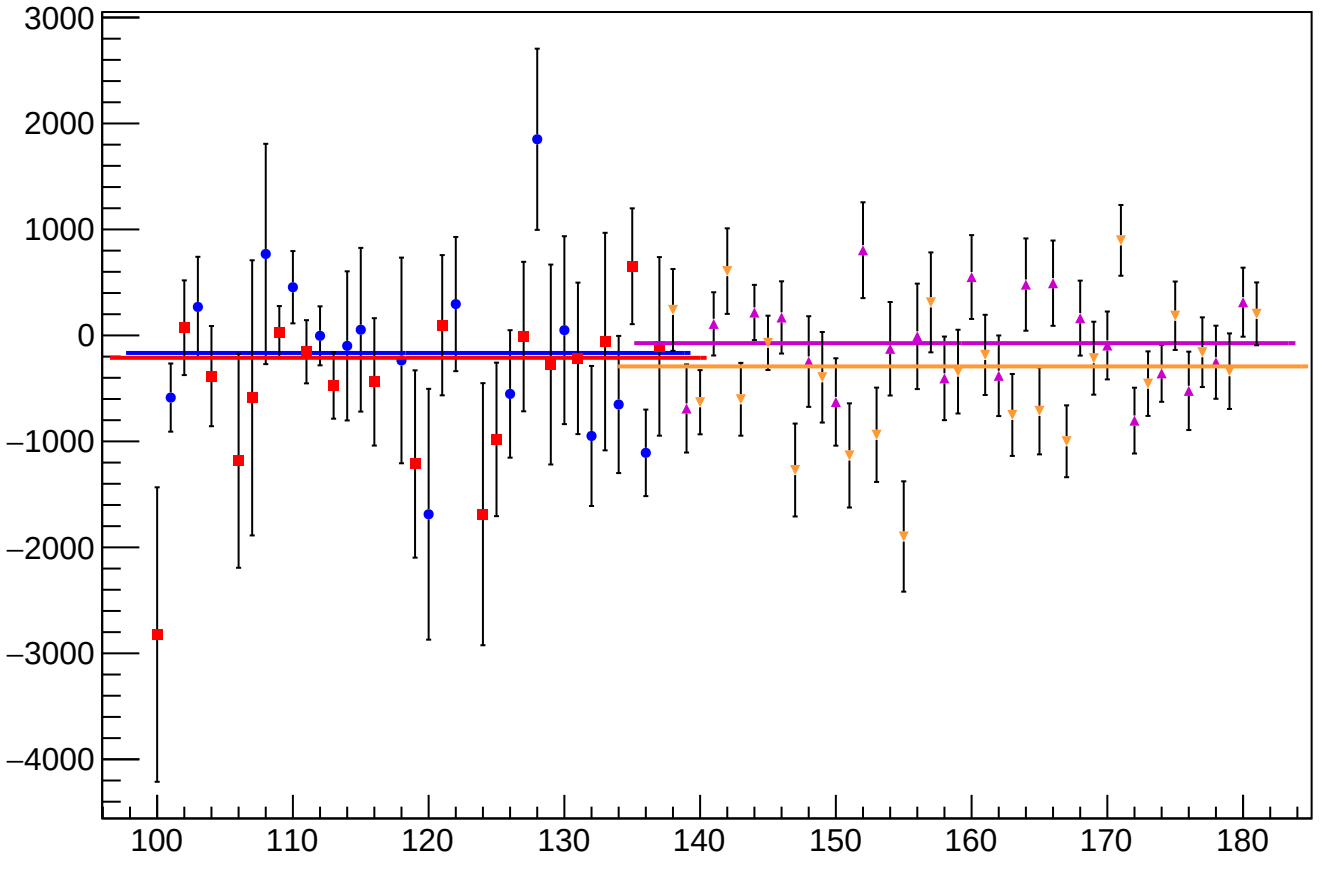
Right Out: 72.074+/-0.019 χ^2/NDF: 958496.3/18

Left In: 72.074+/-0.012 χ^2/NDF:341129.1/20

+ sign 72.029+/-0.010 χ^2/NDF: 1184917.2/38

All: 72.051+/-0.007 χ^2/NDF: 2484552.0/78

- sign 72.074+/-0.010 χ^2/NDF: 1299625.4/39



Right In: -165.498+/-128.437 χ^2/NDF: 22.6/15

Left Out: -292.434+/-75.273 χ^2/NDF:56.0/22

Right Out: -211.347+/-120.121 χ^2/NDF: 13.6/18

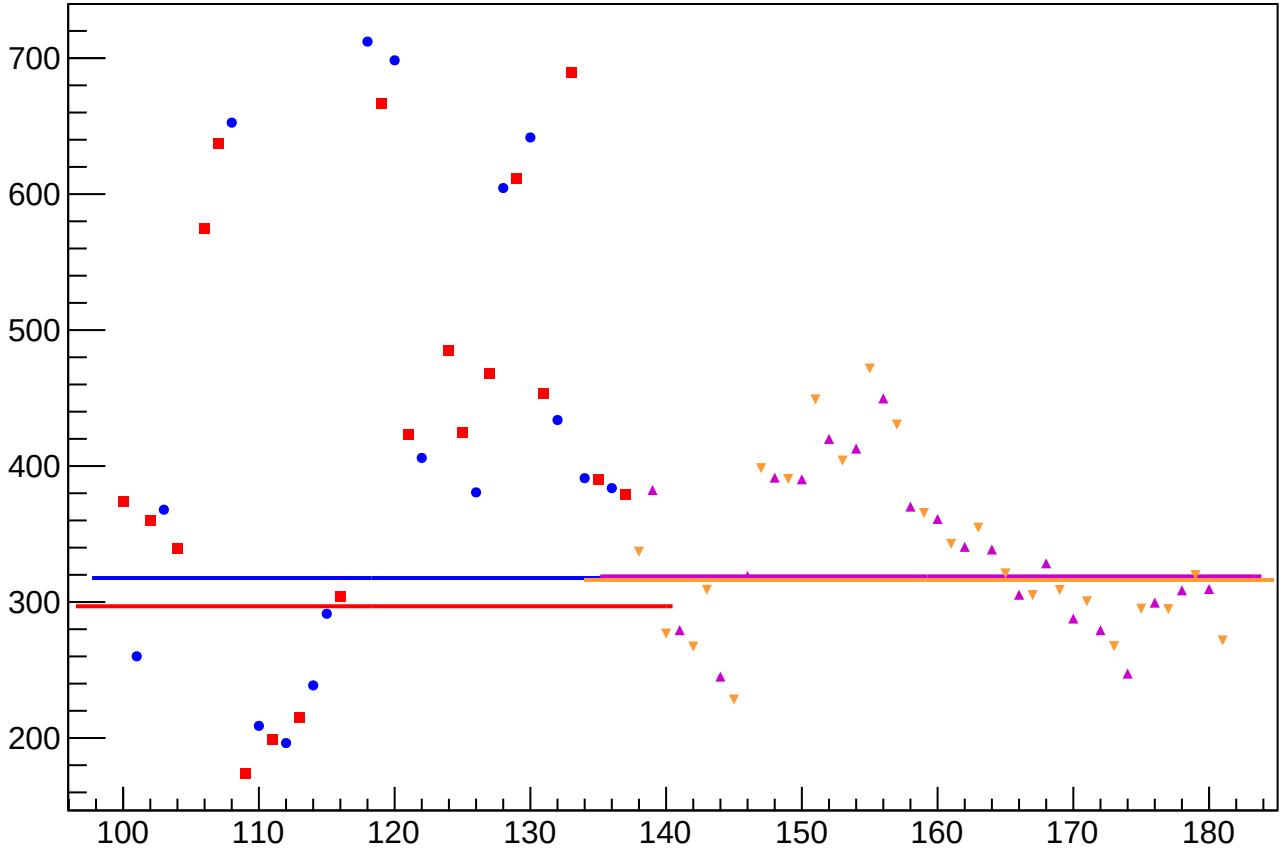
Left In: -72.887+/-78.083 χ^2/NDF:27.8/20

+ sign -259.981+/-64.942 χ^2/NDF: 79.3/38

All: -187.585+/-46.105 χ^2/NDF: 124.2/78

- sign -114.014+/-65.467 χ^2/NDF: 42.3/39

asym_sam7_eigen_dit_correction_rms vs Slug



Right In: 317.661+/-0.091 χ^2/NDF: 2136224.4/15

Left Out: 316.248+/-0.053 χ^2/NDF:1137389.4/22

Right Out: 296.887+/-0.085 χ^2/NDF: 2541051.2/18

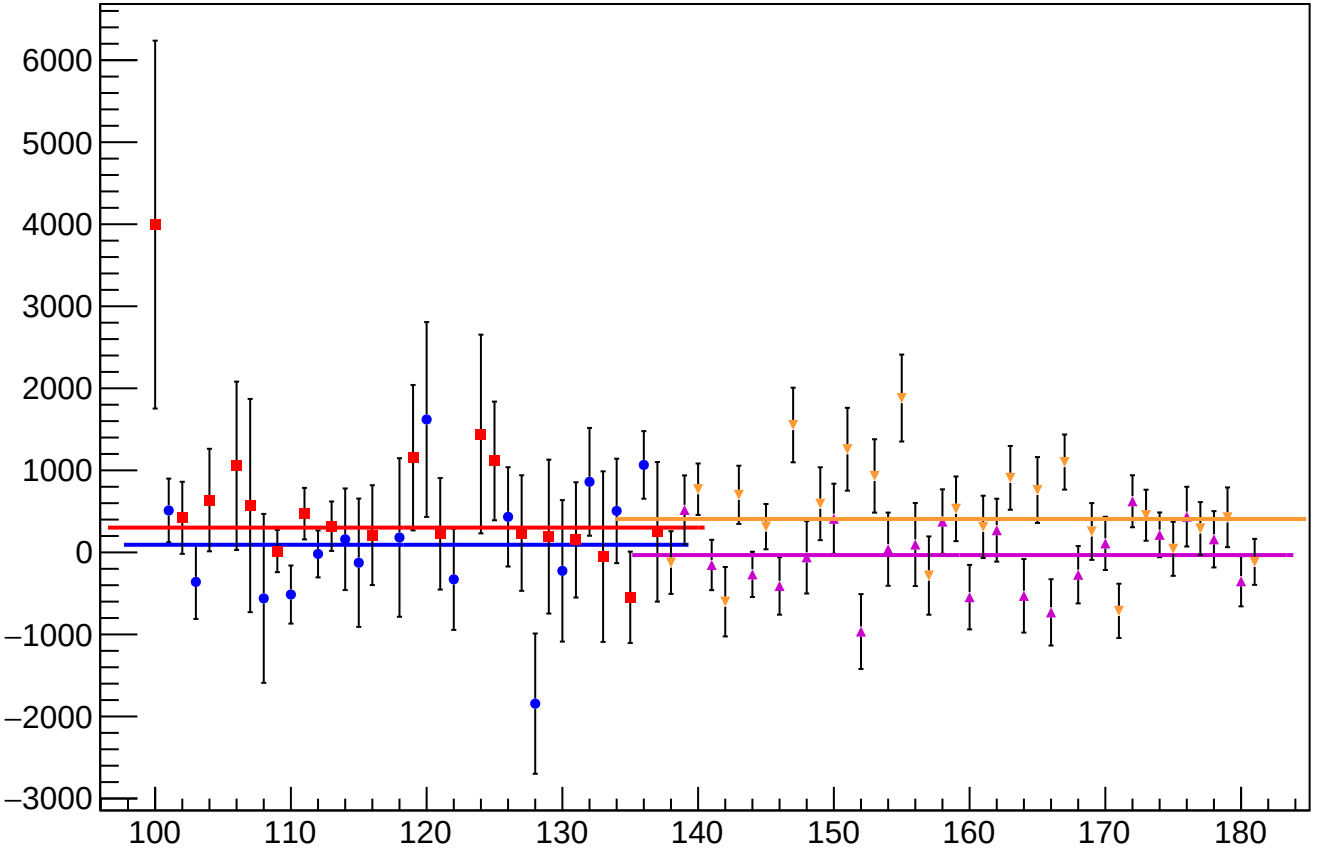
Left In: 318.866+/-0.055 χ^2/NDF:960679.3/20

+ sign 316.609+/-0.046 χ^2/NDF: 3273794.2/38

All: 314.490+/-0.033 χ^2/NDF: 6826887.1/78

- sign 312.337+/-0.046 χ^2/NDF: 3548800.1/39

asym_sam7_mean vs Slug



Right In: 92.803+/-131.927 χ^2/NDF: 20.8/15

Left Out: 407.173+/-76.142 χ^2/NDF:53.7/22

Right Out: 302.273+/-123.916 χ^2/NDF: 10.8/18

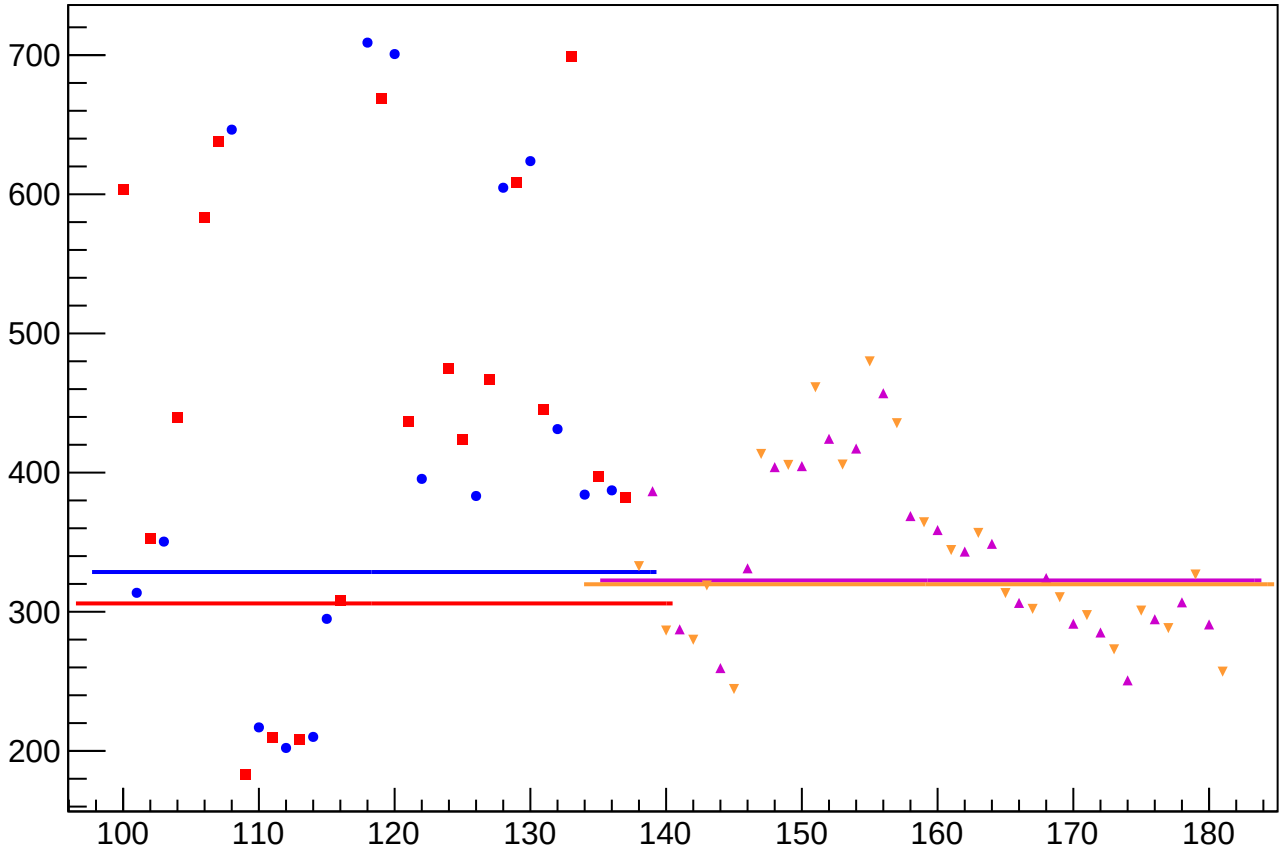
Left In: -32.676+/-78.919 χ^2/NDF:25.5/20

+ sign 328.621+/-65.947 χ^2/NDF: 78.8/38

All: 197.535+/-46.849 χ^2/NDF: 128.3/78

- sign 63.977+/-66.565 χ^2/NDF: 41.5/39

asym_sam7_rms vs Slug



Right In: 328.567+/-0.093 χ^2/NDF: 1958873.4/15

Left Out: 319.762+/-0.054 χ^2/NDF:1122751.6/22

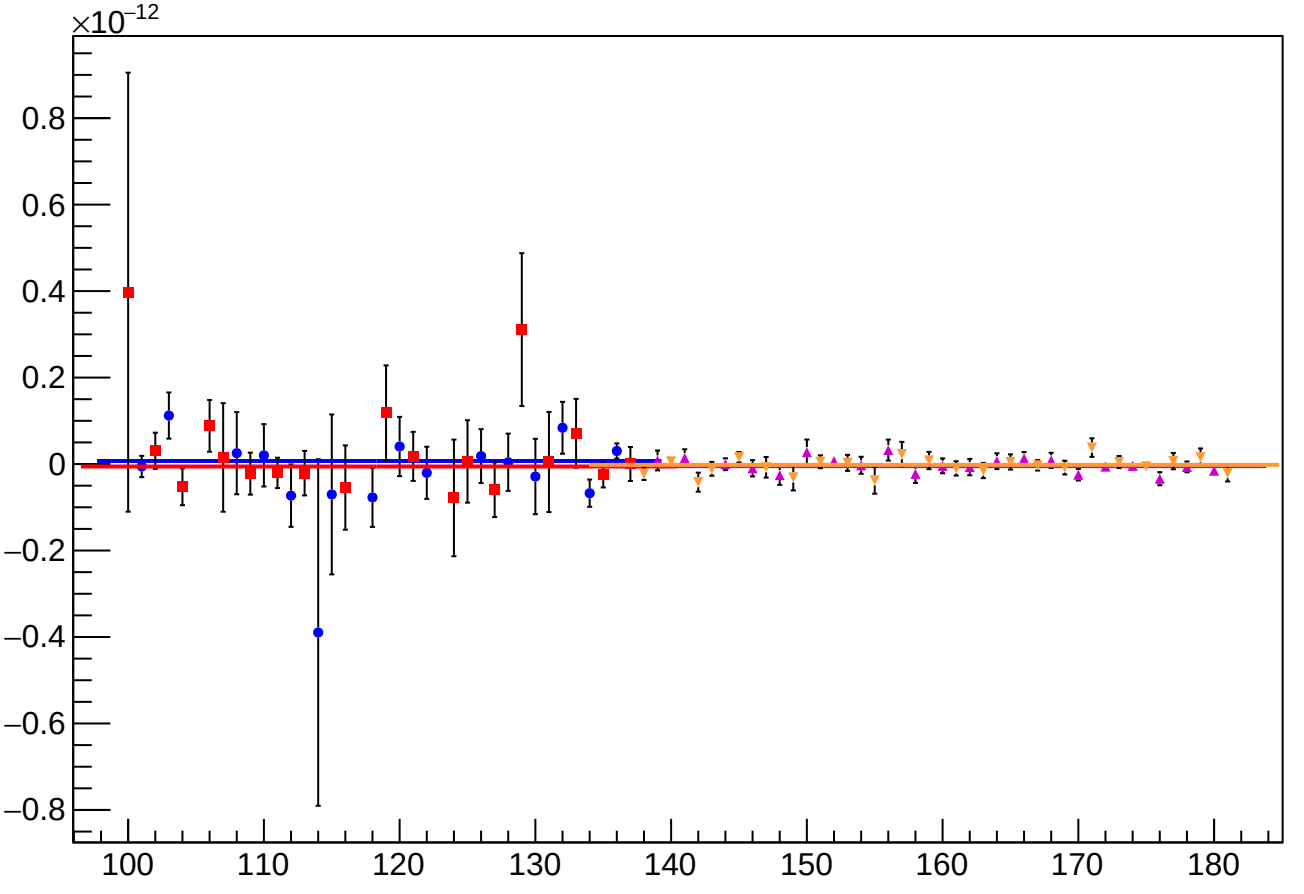
Right Out: 305.988+/-0.088 χ^2/NDF: 2527463.5/18

Left In: 322.496+/-0.056 χ^2/NDF:933986.2/20

+ sign 321.962+/-0.047 χ^2/NDF: 3088307.0/38

All: 319.867+/-0.033 χ^2/NDF: 6579083.4/78

- sign 317.733+/-0.047 χ^2/NDF: 3486701.6/39



Right In: 0.000+/-0.000 χ^2/NDF: 17.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.0/22

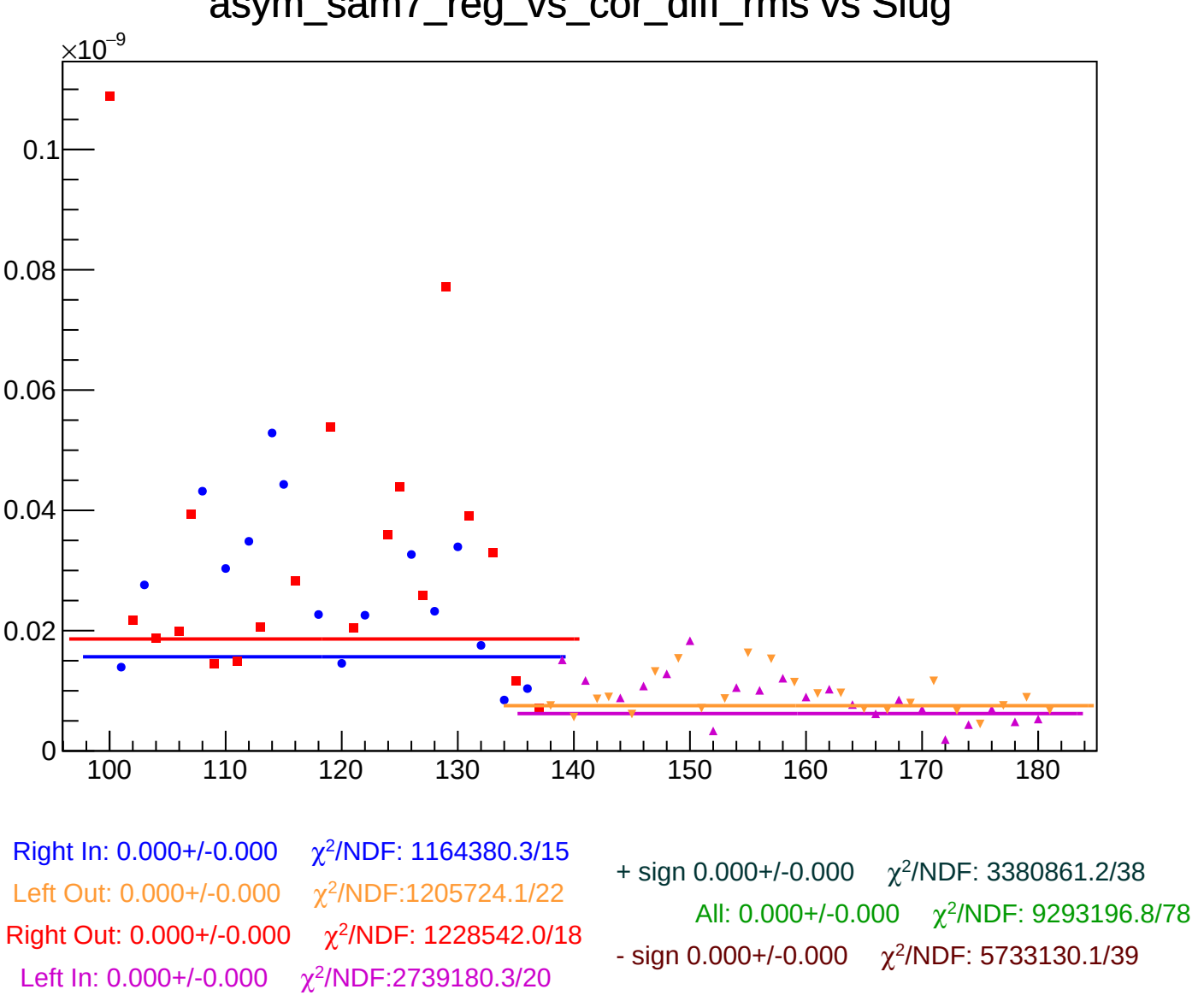
Right Out: -0.000+/-0.000 χ^2/NDF: 12.8/18

Left In: -0.000+/-0.000 χ^2/NDF:16.7/20

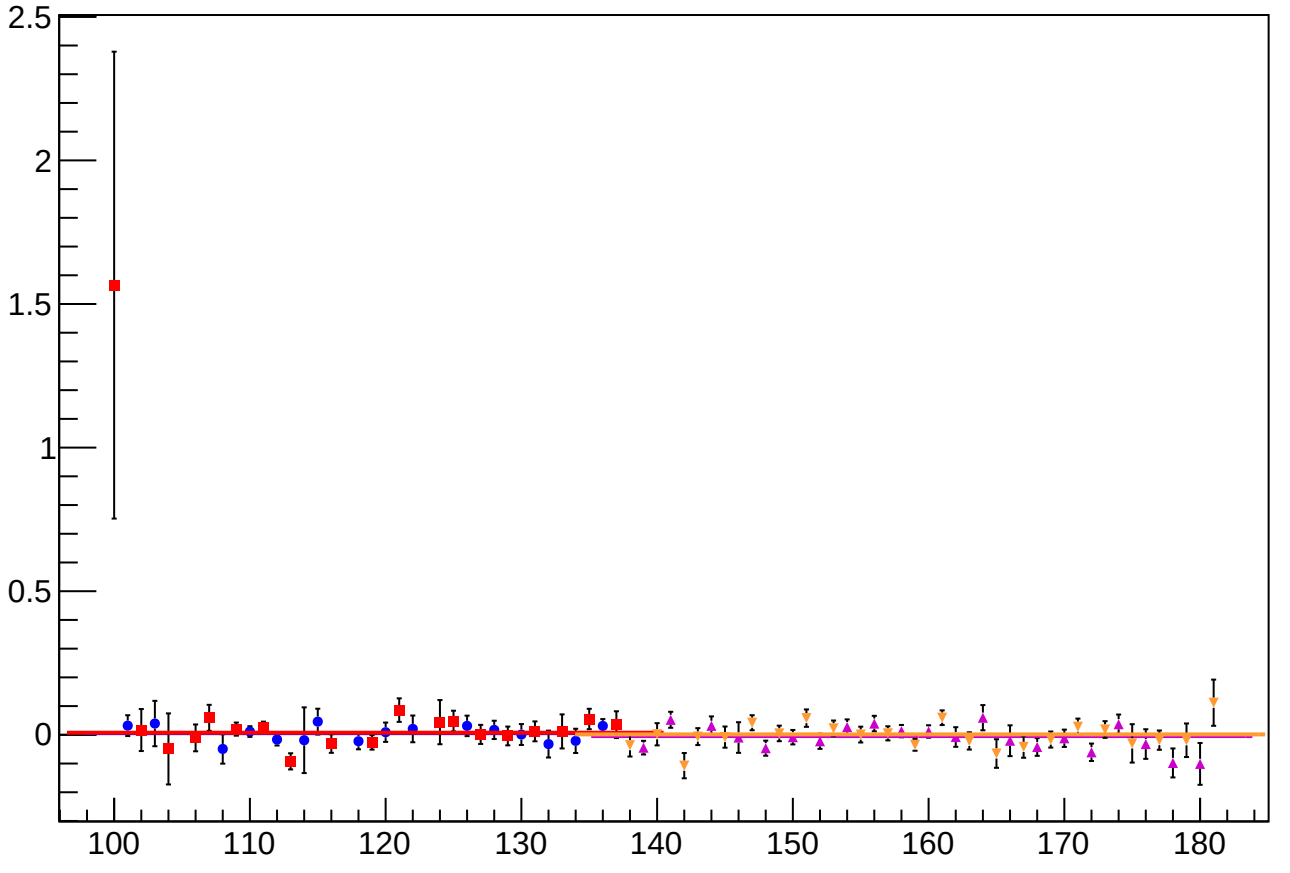
+ sign -0.000+/-0.000 χ^2/NDF: 37.3/38

All: -0.000+/-0.000 χ^2/NDF: 67.5/78

- sign -0.000+/-0.000 χ^2/NDF: 29.5/39


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:1205724.1/22
Right Out: 0.000+/-0.000 χ²/NDF: 1228542.0/18
Left In: 0.000+/-0.000 χ²/NDF:2739180.3/20
+ sign 0.000+/-0.000 χ²/NDF: 3380861.2/38
All: 0.000+/-0.000 χ²/NDF: 9293196.8/78
- sign 0.000+/-0.000 χ²/NDF: 5733130.1/39

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:29.9/22

Right Out: 0.007+/-0.008 χ^2/NDF: 29.8/18

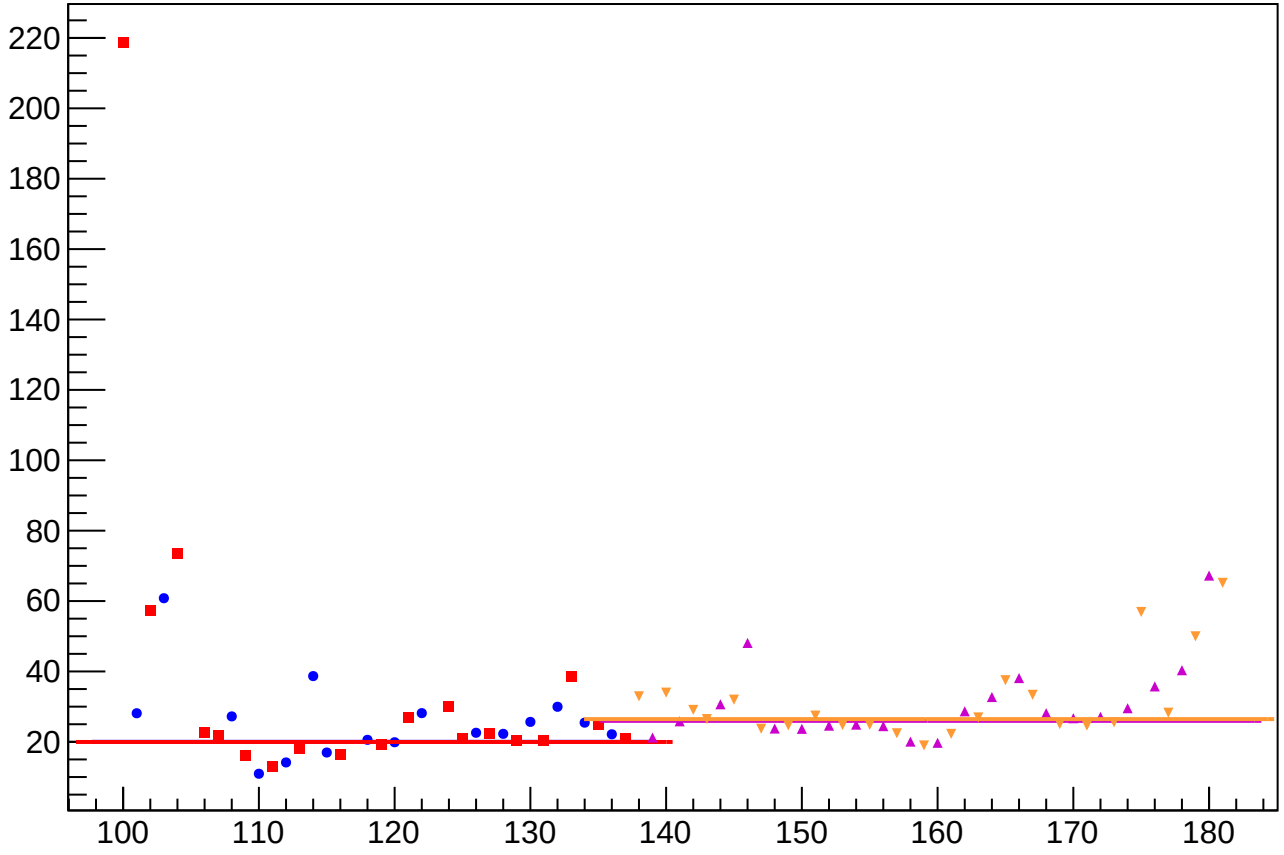
Left In: -0.004+/-0.007 χ^2/NDF:30.7/20

+ sign 0.003+/-0.005 χ^2/NDF: 37.9/38

All: 0.002+/-0.004 χ^2/NDF: 99.8/78

- sign 0.000+/-0.005 χ^2/NDF: 61.7/39

asym_sam7_dit_vs_cor_diff_rms vs Slug



Right In: 20.000+/-0.006 χ^2/NDF: 1641371.9/15

Left Out: 26.458+/-0.005 χ^2/NDF:1990186.0/22

Right Out: 19.963+/-0.006 χ^2/NDF: 1716895.2/18

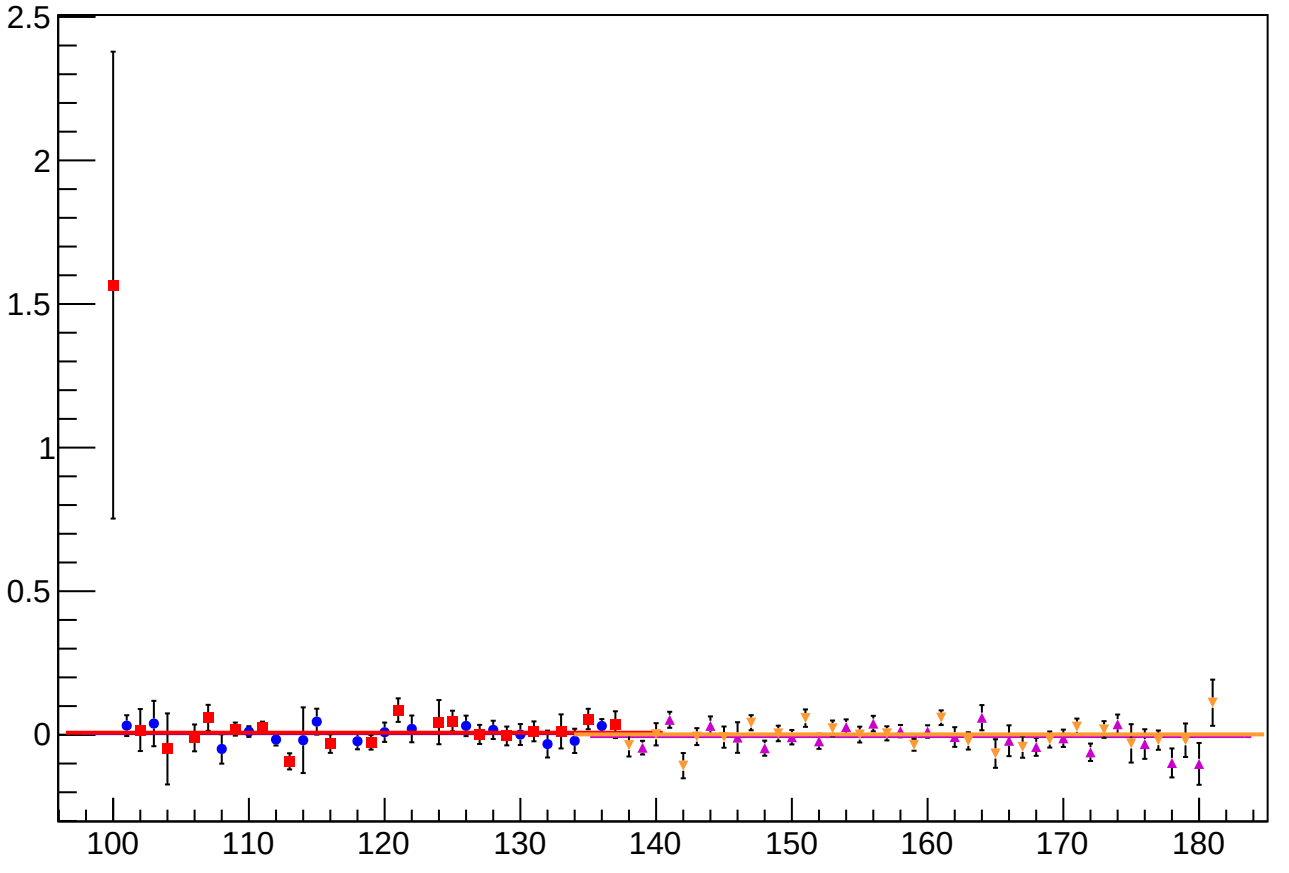
Left In: 25.966+/-0.005 χ^2/NDF:1902720.1/20

\+ sign 23.930+/-0.004 χ^2/NDF: 4392299.4/38

All: 23.741+/-0.003 χ^2/NDF: 8674706.9/78

\- sign 23.550+/-0.004 χ^2/NDF: 4276899.2/39

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:29.9/22

Right Out: 0.007+/-0.008 χ^2/NDF: 29.8/18

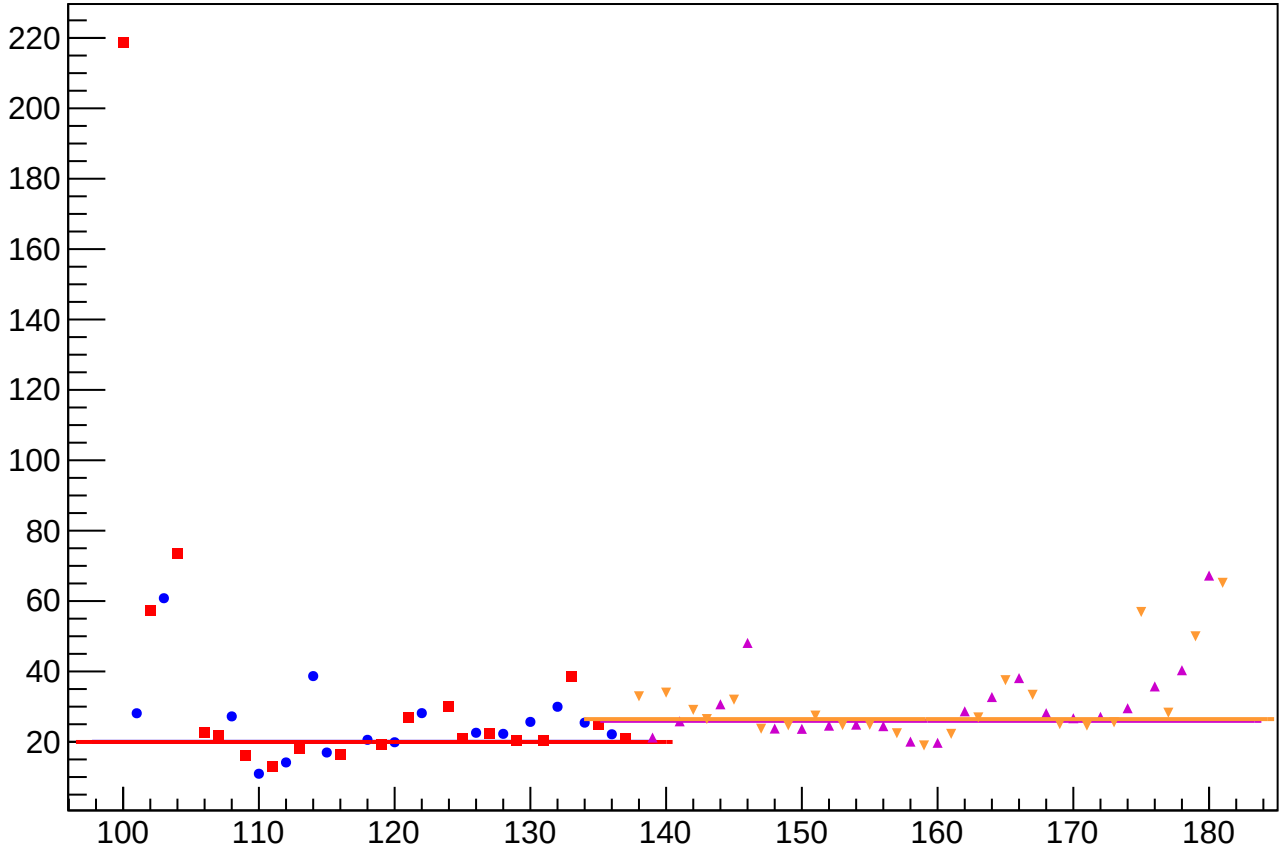
Left In: -0.004+/-0.007 χ^2/NDF:30.7/20

+ sign 0.003+/-0.005 χ^2/NDF: 37.9/38

All: 0.002+/-0.004 χ^2/NDF: 99.8/78

- sign 0.000+/-0.005 χ^2/NDF: 61.7/39

asym_sam7_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 20.000+/-0.006 χ^2/NDF: 1641371.9/15

Left Out: 26.458+/-0.005 χ^2/NDF:1990186.0/22

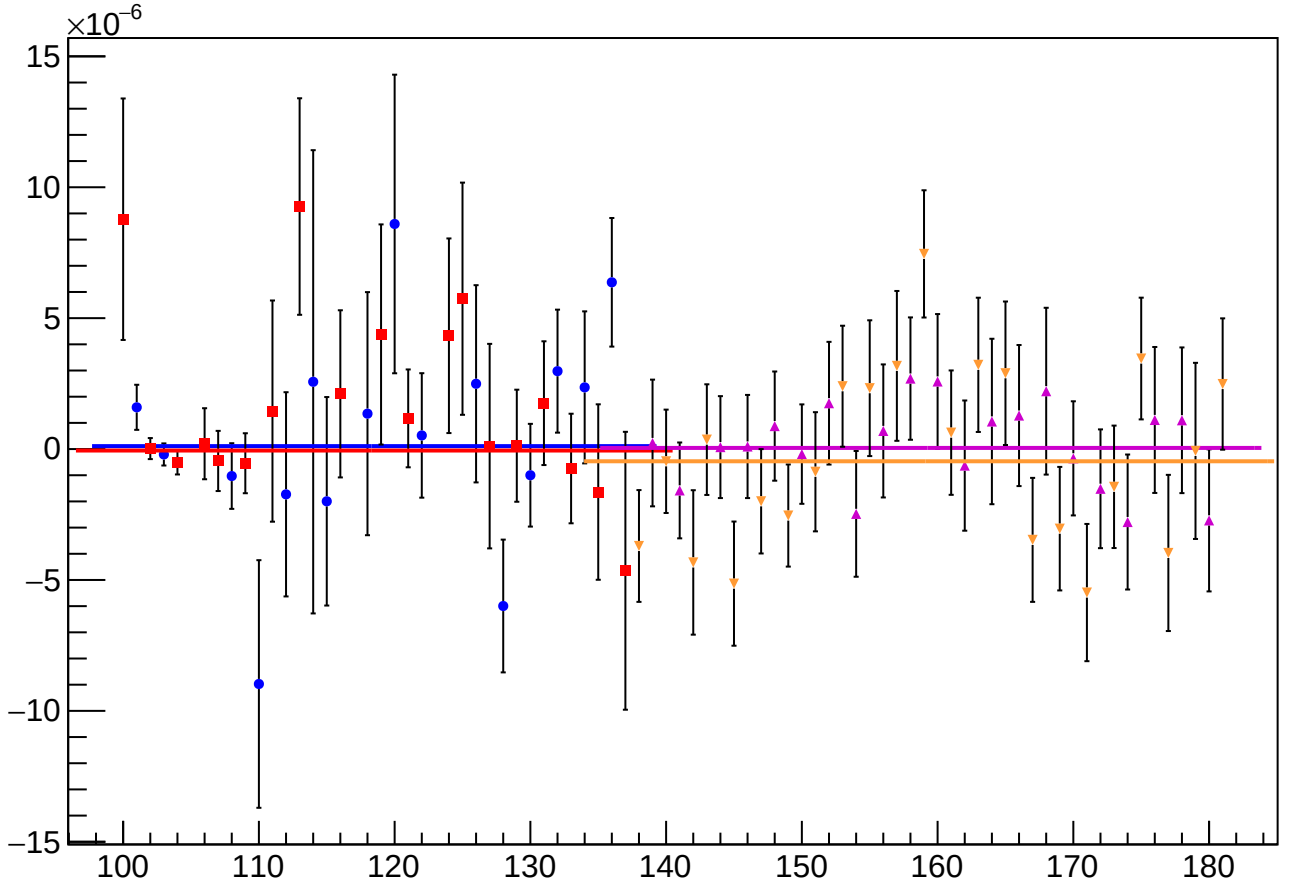
Right Out: 19.963+/-0.006 χ^2/NDF: 1716895.2/18

Left In: 25.966+/-0.005 χ^2/NDF:1902720.1/20

+ sign 23.930+/-0.004 χ^2/NDF: 4392299.4/38

All: 23.741+/-0.003 χ^2/NDF: 8674706.9/78

- sign 23.550+/-0.004 χ^2/NDF: 4276899.2/39



Right In: 0.000+/-0.000 χ^2/NDF: 26.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:41.0/22

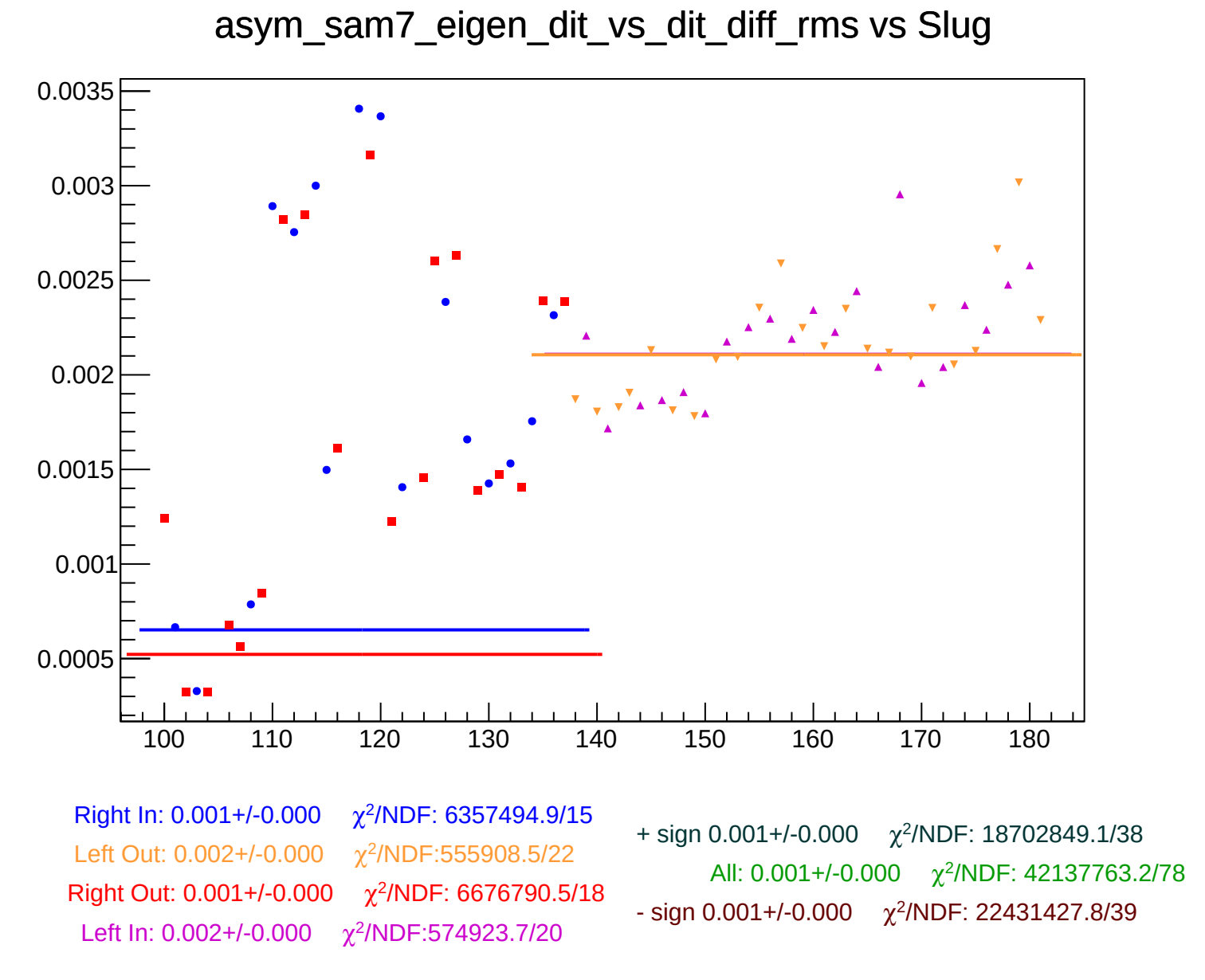
Right Out: -0.000+/-0.000 χ^2/NDF: 17.1/18

Left In: 0.000+/-0.000 χ^2/NDF:8.8/20

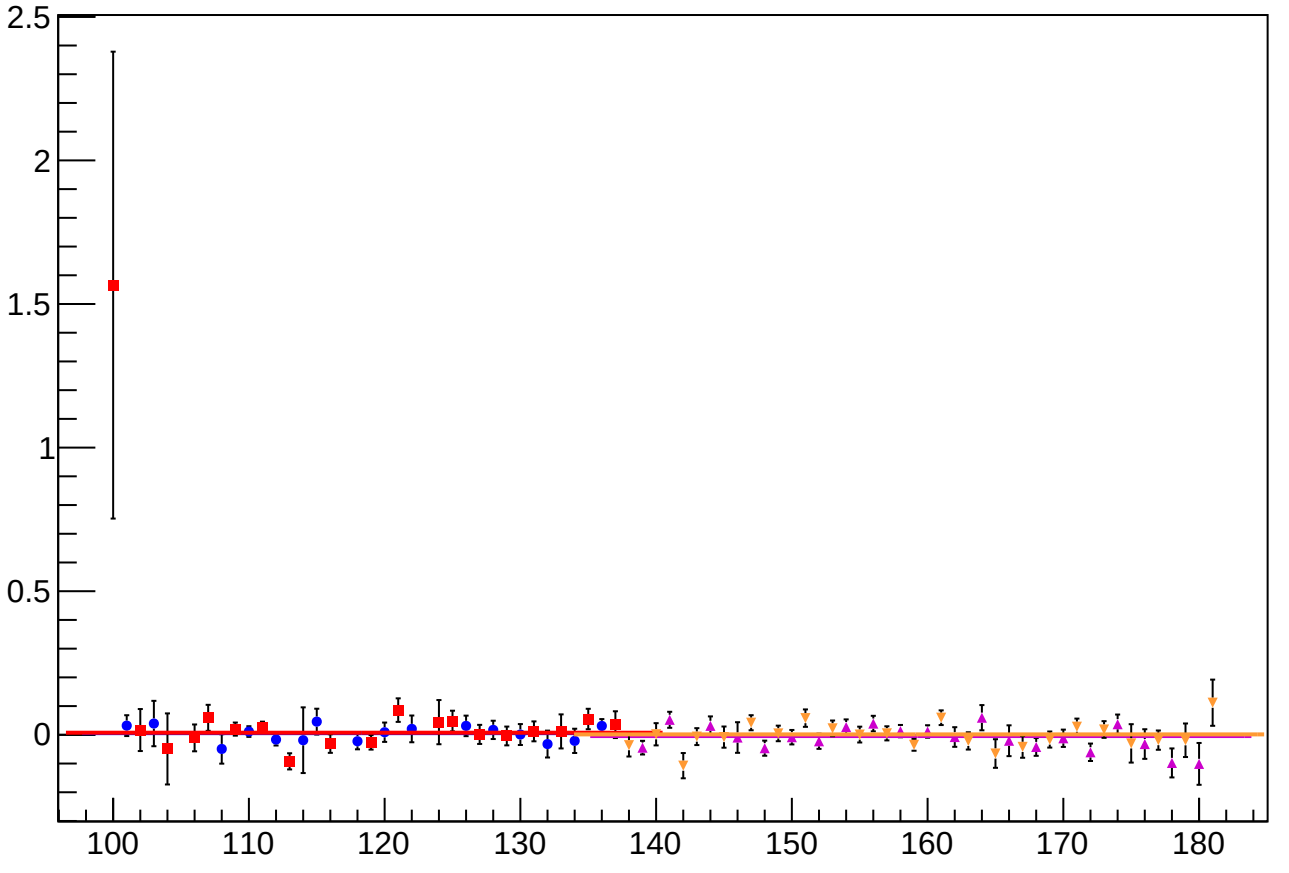
+ sign -0.000+/-0.000 χ^2/NDF: 68.0/38

All: -0.000+/-0.000 χ^2/NDF: 94.0/78

- sign -0.000+/-0.000 χ^2/NDF: 25.9/39


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:555908.5/22
Right Out: 0.001+/-0.000 χ²/NDF: 6676790.5/18
Left In: 0.002+/-0.000 χ²/NDF:574923.7/20
+ sign 0.001+/-0.000 χ²/NDF: 18702849.1/38
All: 0.001+/-0.000 χ²/NDF: 42137763.2/78
- sign 0.001+/-0.000 χ²/NDF: 22431427.8/39

asym_sam7_eigen_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:29.9/22

Right Out: 0.007+/-0.008 χ^2/NDF: 29.8/18

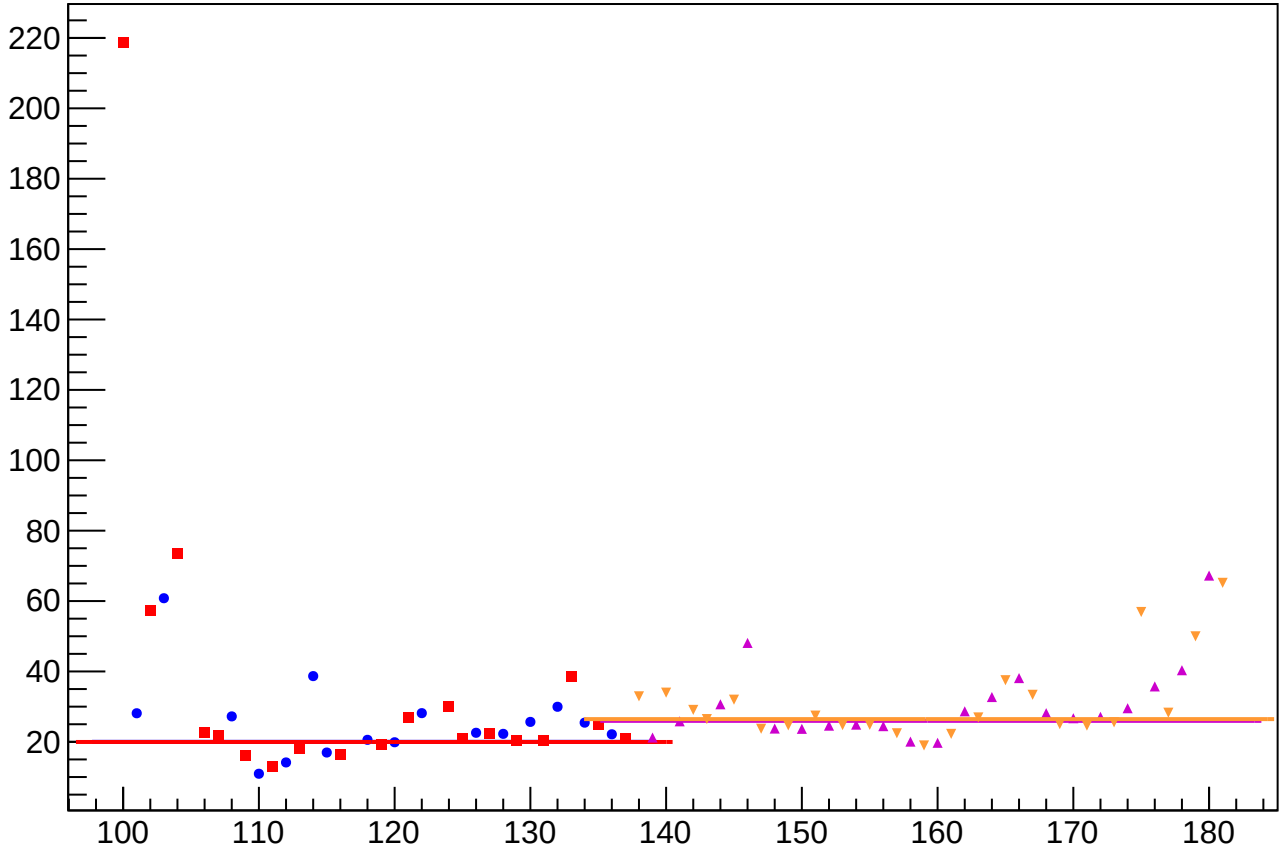
Left In: -0.004+/-0.007 χ^2/NDF:30.7/20

+ sign 0.003+/-0.005 χ^2/NDF: 37.9/38

All: 0.002+/-0.004 χ^2/NDF: 99.8/78

- sign 0.000+/-0.005 χ^2/NDF: 61.7/39

asym_sam7_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 20.000+/-0.006 χ^2/NDF: 1641197.3/15

Left Out: 26.458+/-0.005 χ^2/NDF:1990235.1/22

Right Out: 19.963+/-0.006 χ^2/NDF: 1716830.0/18

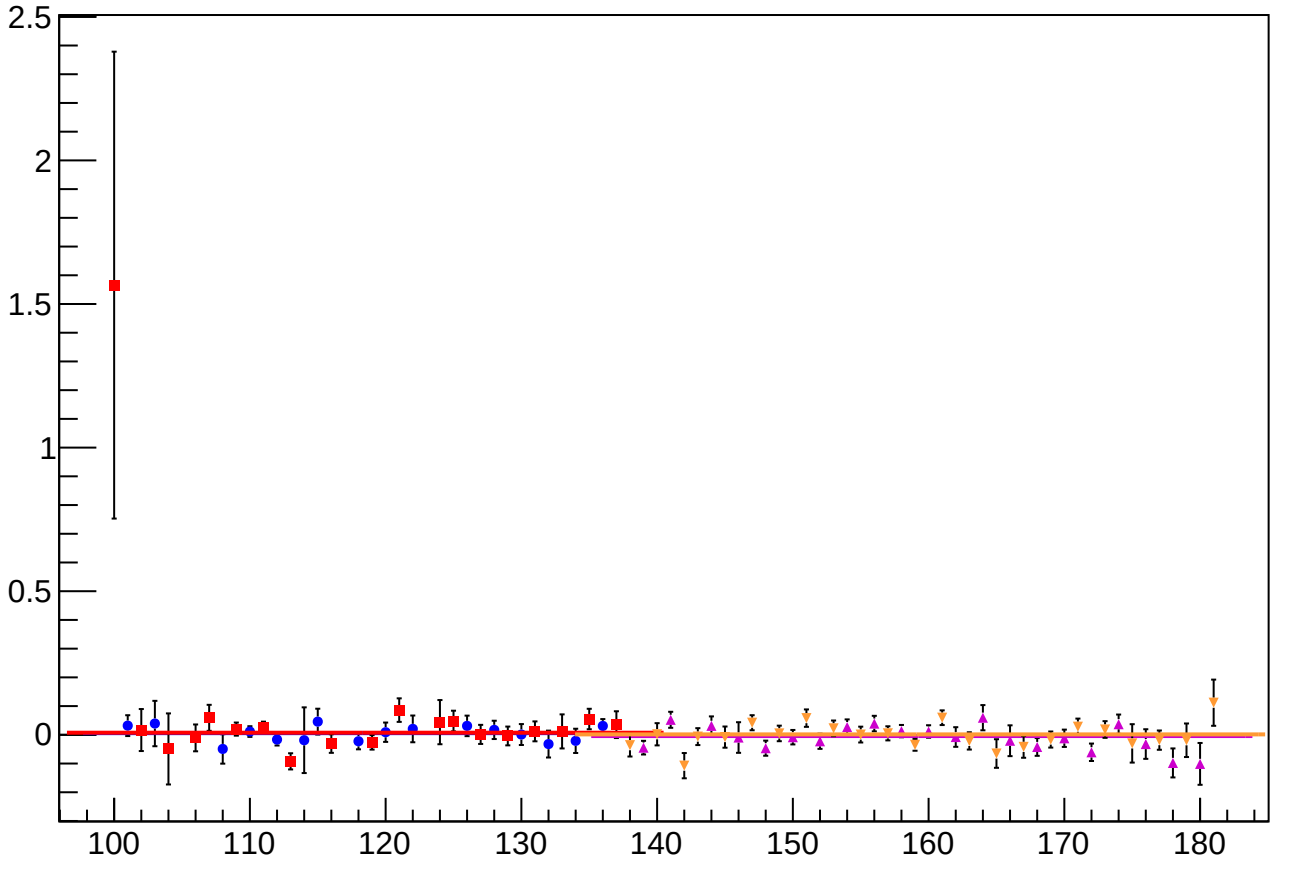
Left In: 25.966+/-0.005 χ^2/NDF:1902791.6/20

+ sign 23.930+/-0.004 χ^2/NDF: 4392051.7/38

All: 23.741+/-0.003 χ^2/NDF: 8674435.7/78

- sign 23.550+/-0.004 χ^2/NDF: 4276870.2/39

asym_sam7_eigen_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:29.9/22

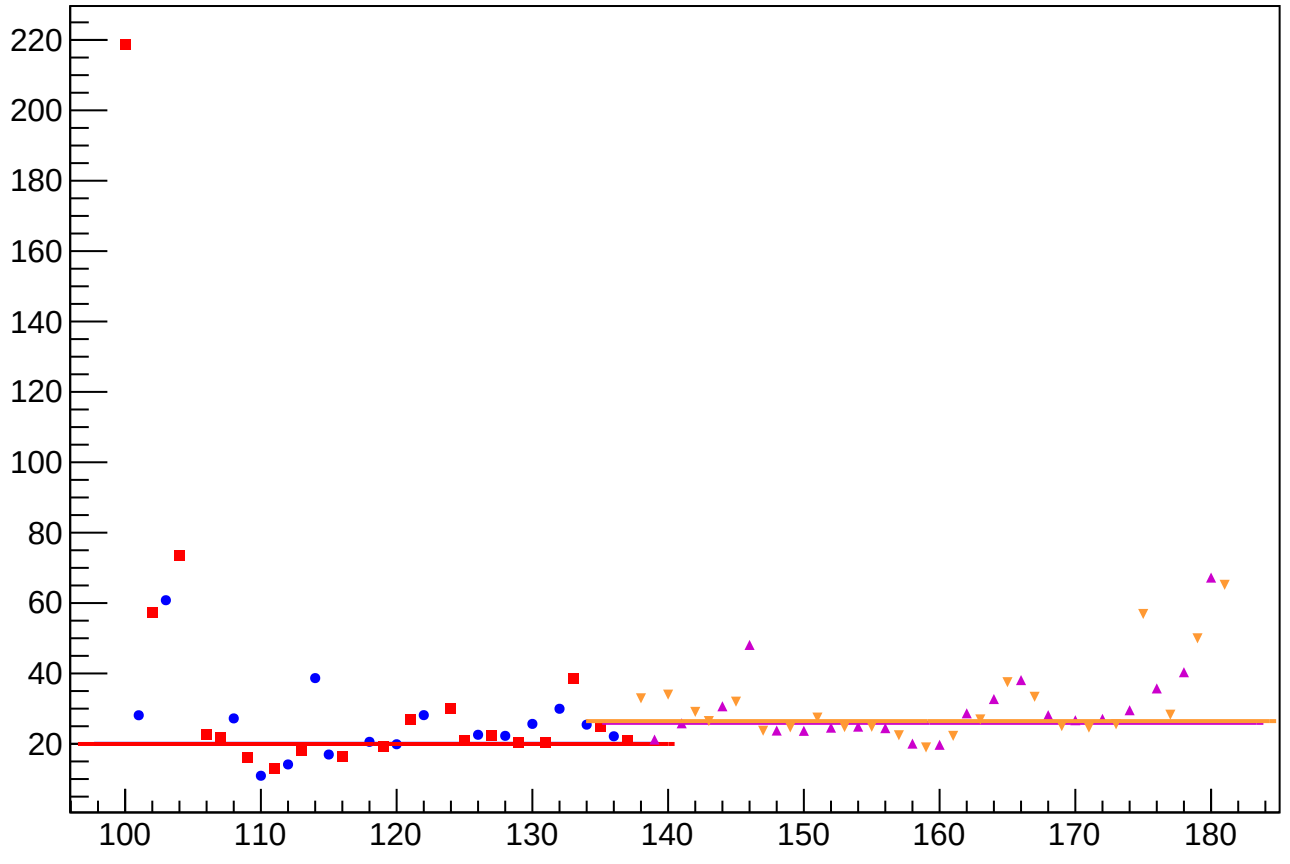
Right Out: 0.007+/-0.008 χ^2/NDF: 29.8/18

Left In: -0.004+/-0.007 χ^2/NDF:30.7/20

+ sign 0.003+/-0.005 χ^2/NDF: 37.9/38

All: 0.002+/-0.004 χ^2/NDF: 99.8/78

- sign 0.000+/-0.005 χ^2/NDF: 61.7/39



Right In: 20.000+/-0.006 χ^2/NDF: 1641197.3/15

Left Out: 26.458+/-0.005 χ^2/NDF:1990235.1/22

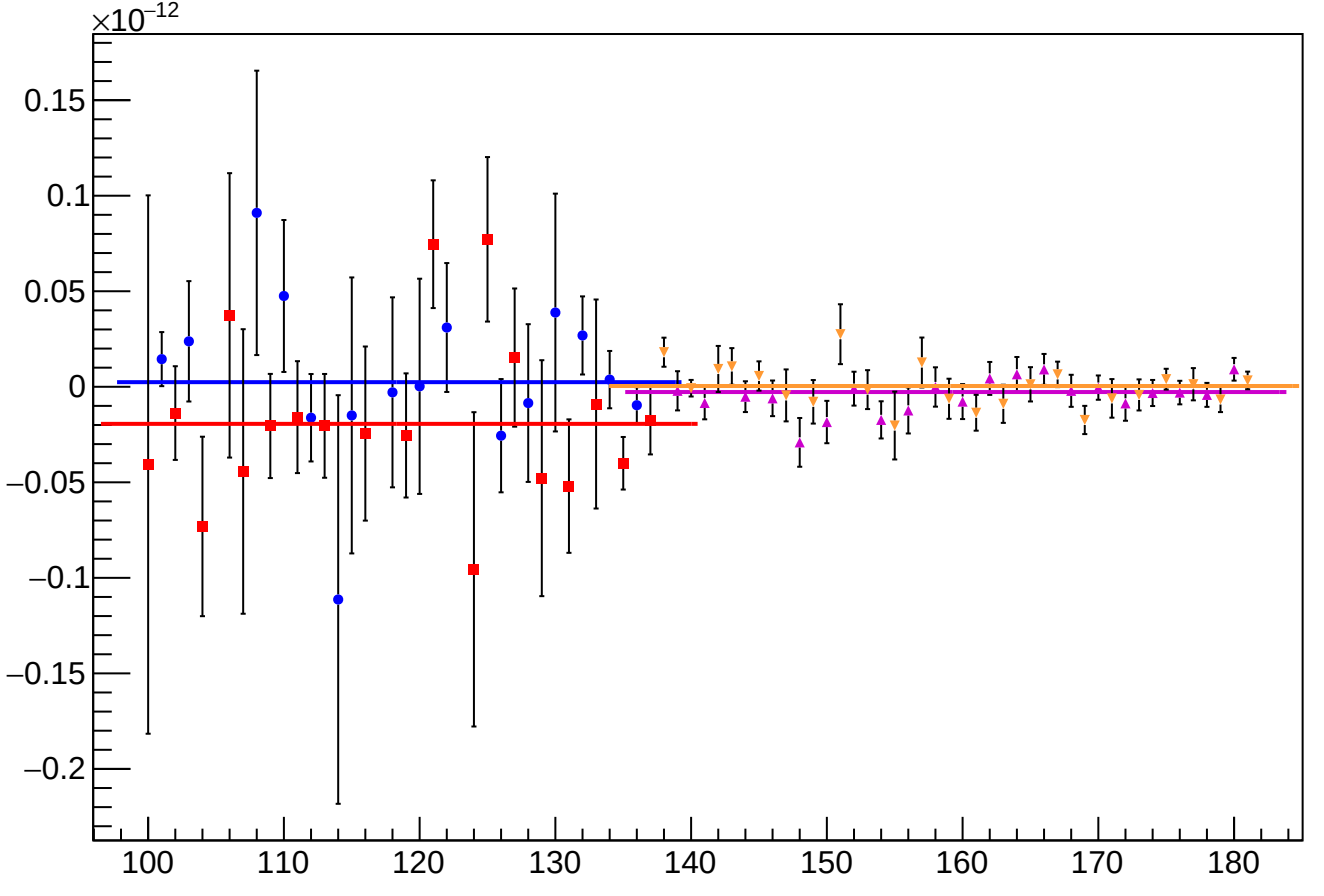
Right Out: 19.963+/-0.006 χ^2/NDF: 1716830.0/18

Left In: 25.966+/-0.005 χ^2/NDF:1902791.6/20

+ sign 23.930+/-0.004 χ^2/NDF: 4392051.7/38

All: 23.741+/-0.003 χ^2/NDF: 8674435.7/78

- sign 23.550+/-0.004 χ^2/NDF: 4276870.2/39



Right In: 0.000+/-0.000 χ^2/NDF: 10.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:26.4/22

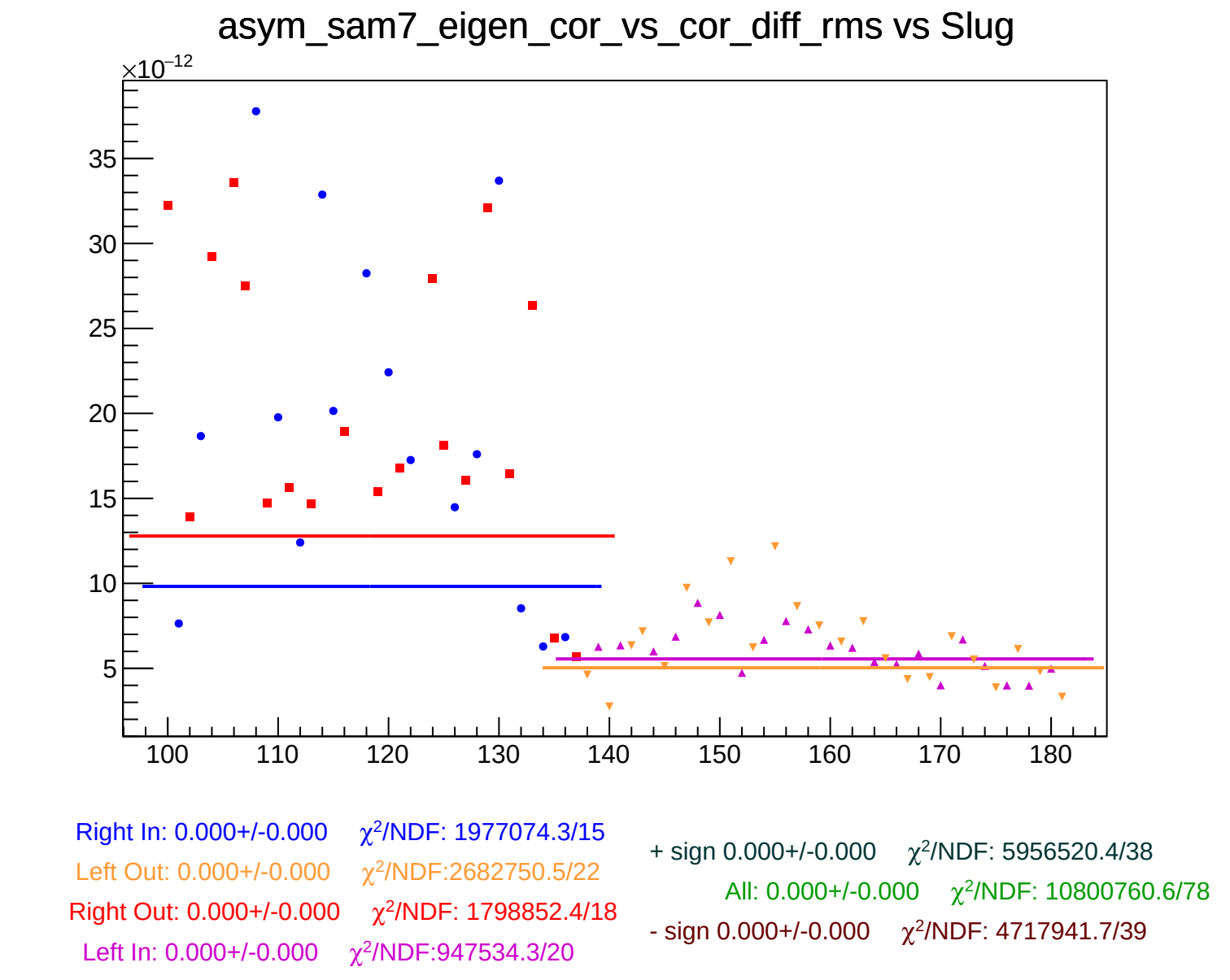
Right Out: -0.000+/-0.000 χ^2/NDF: 20.2/18

Left In: -0.000+/-0.000 χ^2/NDF:18.8/20

+ sign 0.000+/-0.000 χ^2/NDF: 37.4/38

All: -0.000+/-0.000 χ^2/NDF: 85.0/78

- sign -0.000+/-0.000 χ^2/NDF: 44.2/39


asym_sam7_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
35
30
25
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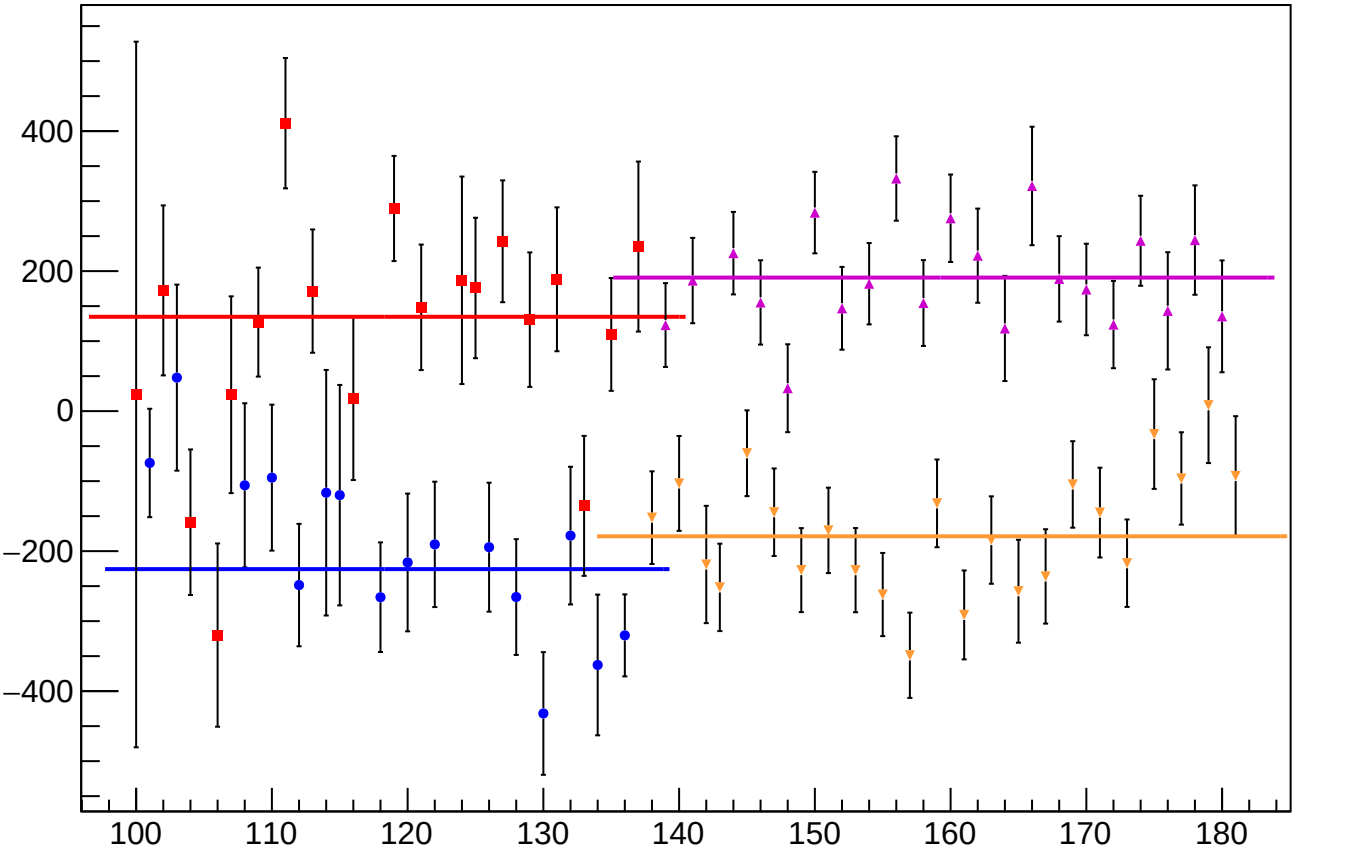
15
10
5
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1977074.3/15
Left Out: 0.000+/-0.000 χ²/NDF:2682750.5/22
Right Out: 0.000+/-0.000 χ²/NDF: 1798852.4/18
Left In: 0.000+/-0.000 χ²/NDF:947534.3/20
+ sign 0.000+/-0.000 χ²/NDF: 5956520.4/38
All: 0.000+/-0.000 χ²/NDF: 10800760.6/78
- sign 0.000+/-0.000 χ²/NDF: 4717941.7/39



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -178.805+/-13.679 χ^2/NDF:37.0/22

Right Out: 134.762+/-23.192 χ^2/NDF: 45.3/18

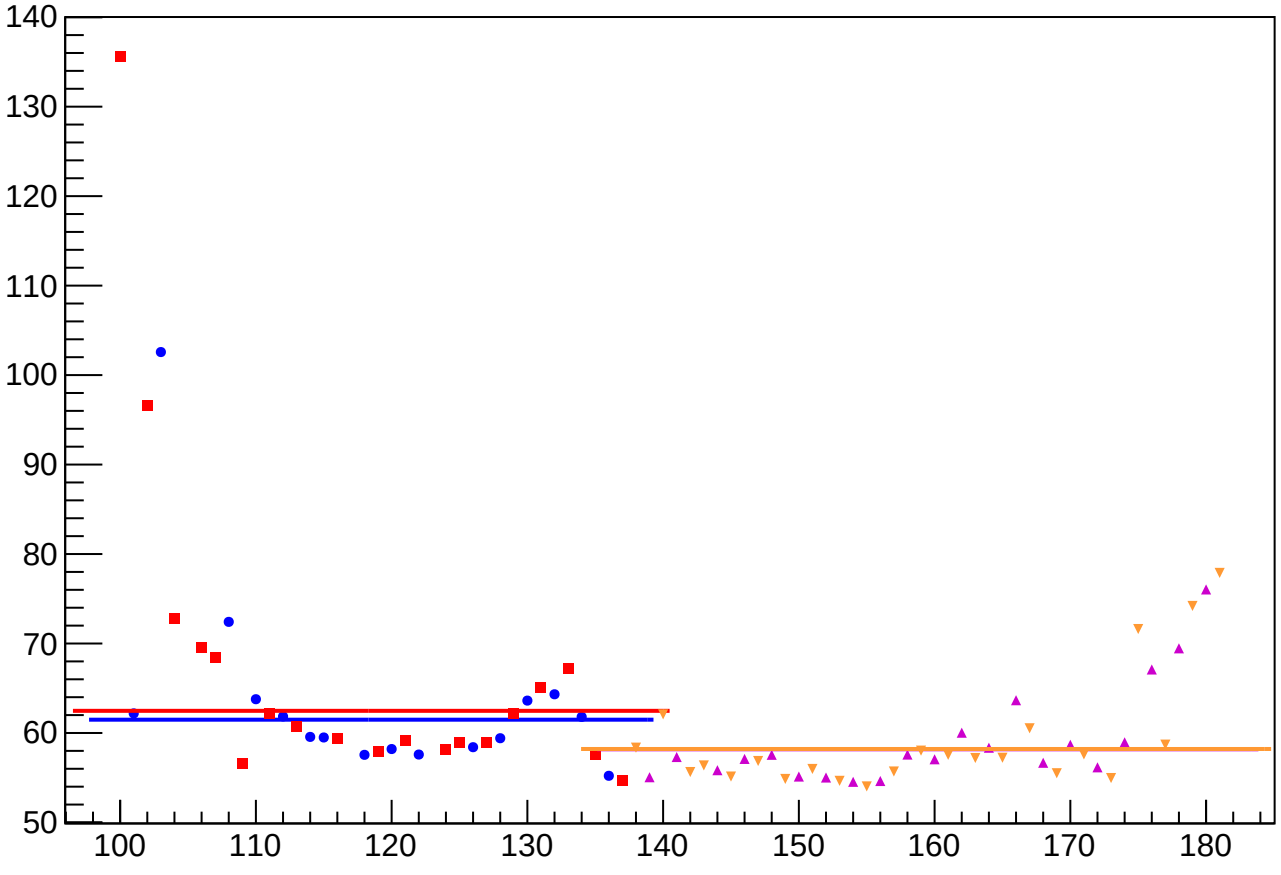
Left In: 190.765+/-14.083 χ^2/NDF:25.9/20

+ sign -190.964+/-11.773 χ^2/NDF: 62.6/38

All: -11.718+/-8.417 χ^2/NDF: 612.2/78

- sign 175.678+/-12.037 χ^2/NDF: 75.4/39

reg_asym_sam8_rms vs Slug



Right In: 61.486+/-0.016 χ^2/NDF: 250669.2/15

Left Out: 58.212+/-0.010 χ^2/NDF:297948.1/22

Right Out: 62.476+/-0.016 χ^2/NDF: 281148.3/18

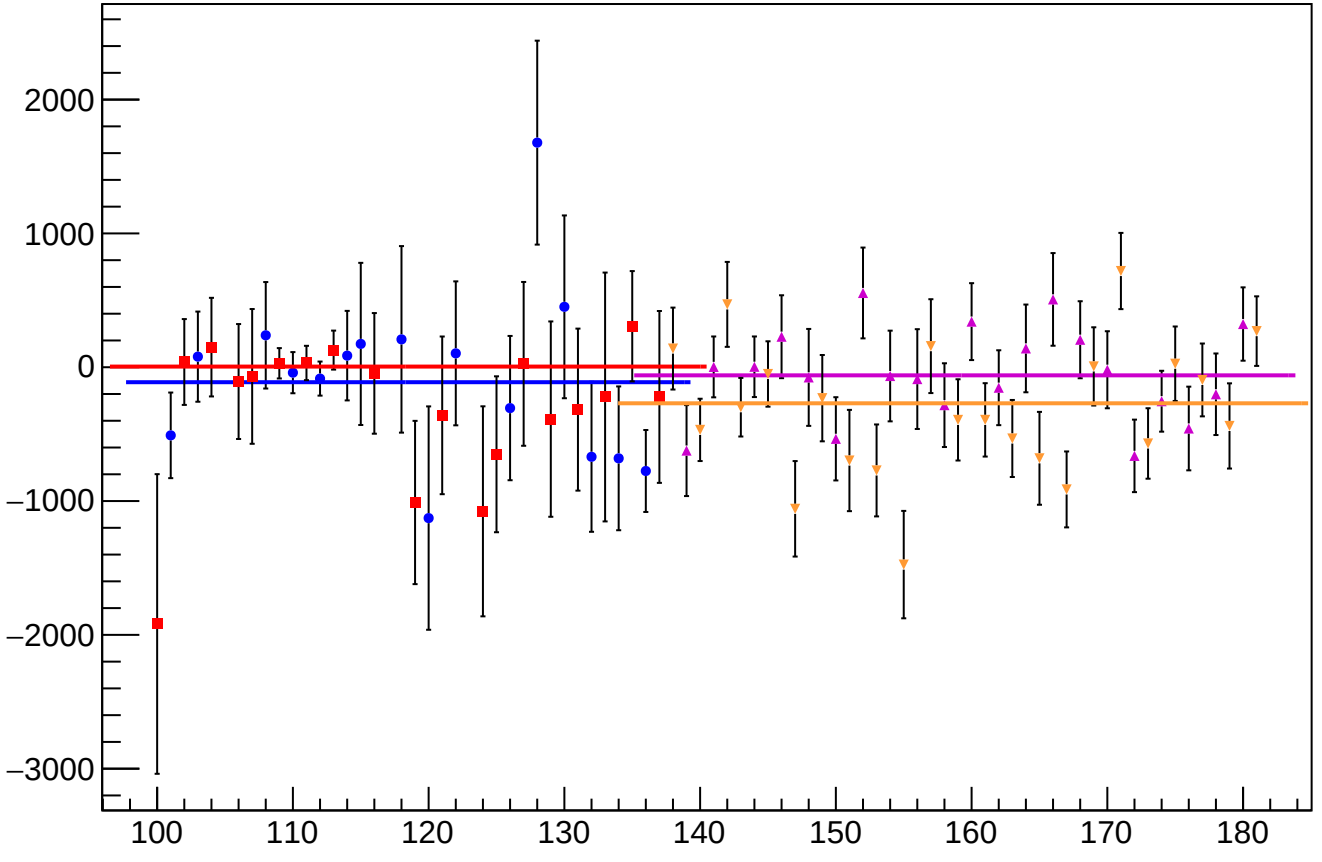
Left In: 58.175+/-0.010 χ^2/NDF:214595.3/20

+ sign 59.061+/-0.008 χ^2/NDF: 578323.8/38

All: 59.194+/-0.006 χ^2/NDF: 1124836.6/78

- sign 59.334+/-0.009 χ^2/NDF: 545988.0/39

asym_sam8_reg_correction_mean vs Slug



Right In: -111.885+/-76.212 χ^2/NDF: 18.5/15

Left Out: -269.463+/-60.810 χ^2/NDF:55.7/22

Right Out: 4.893+/-63.933 χ^2/NDF: 11.6/18

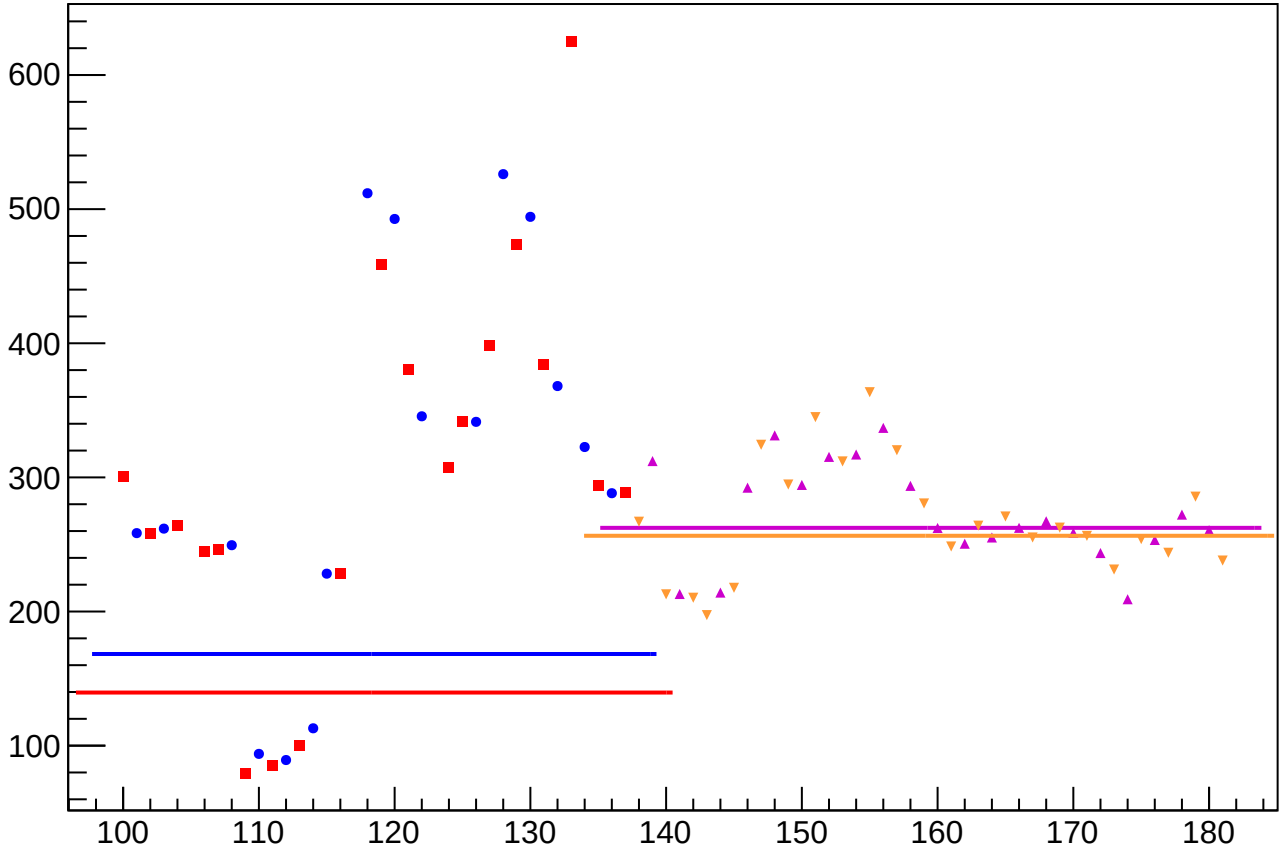
Left In: -60.595+/-63.936 χ^2/NDF:25.3/20

+ sign -208.166+/-47.533 χ^2/NDF: 76.8/38

All: -113.491+/-32.758 χ^2/NDF: 121.8/78

- sign -27.849+/-45.208 χ^2/NDF: 37.5/39

asym_sam8_reg_correction_rms vs Slug



Right In: 168.330+/-0.054 χ^2/NDF: 4544046.8/15

Left Out: 256.479+/-0.043 χ^2/NDF:851438.1/22

Right Out: 139.594+/-0.045 χ^2/NDF: 5154153.5/18

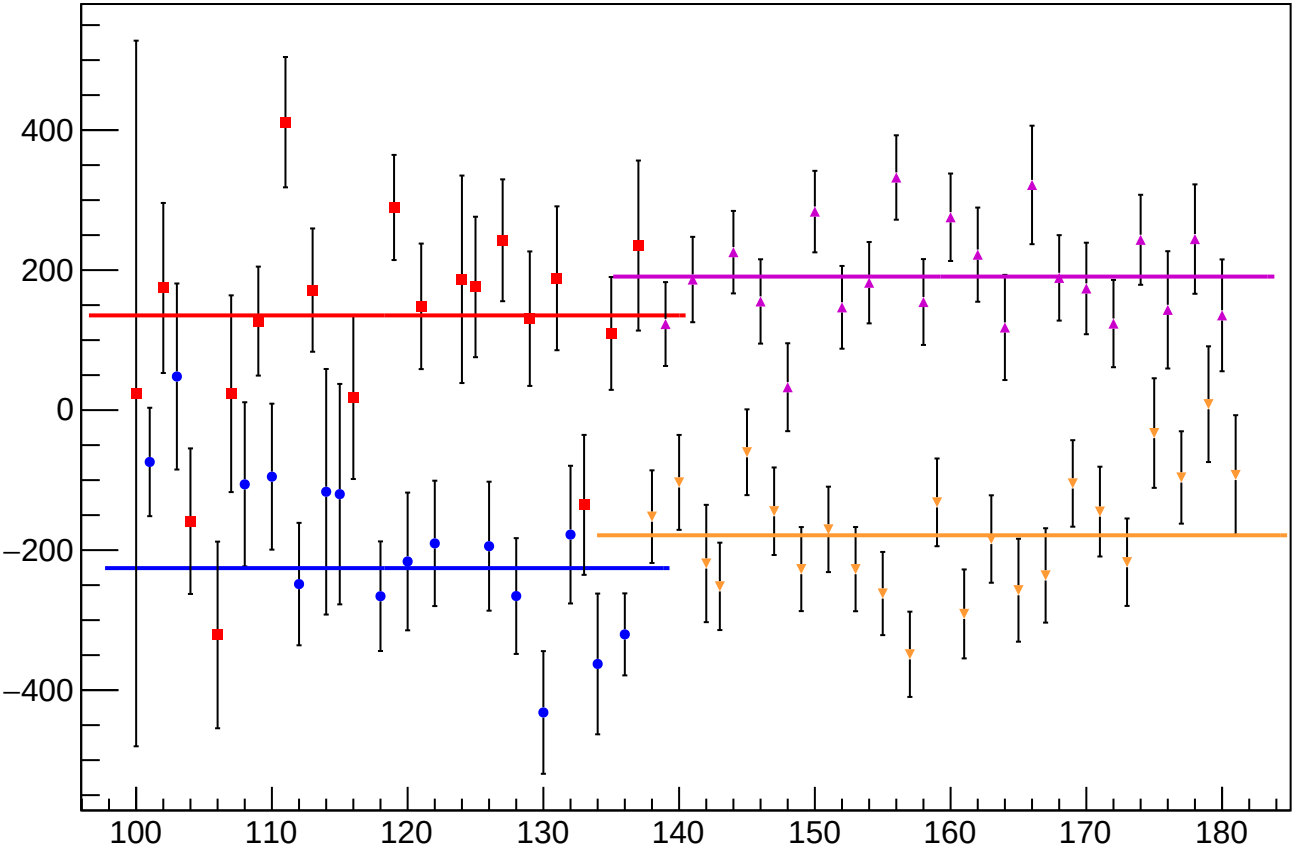
Left In: 262.386+/-0.045 χ^2/NDF:669226.8/20

+ sign 222.190+/-0.034 χ^2/NDF: 7030282.7/38

All: 211.057+/-0.023 χ^2/NDF: 16751299.3/78

- sign 200.986+/-0.032 χ^2/NDF: 9512059.5/39

cor_asym_sam8_mean vs Slug



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -178.802+/-13.679 χ^2/NDF:37.0/22

Right Out: 135.311+/-23.205 χ^2/NDF: 44.9/18

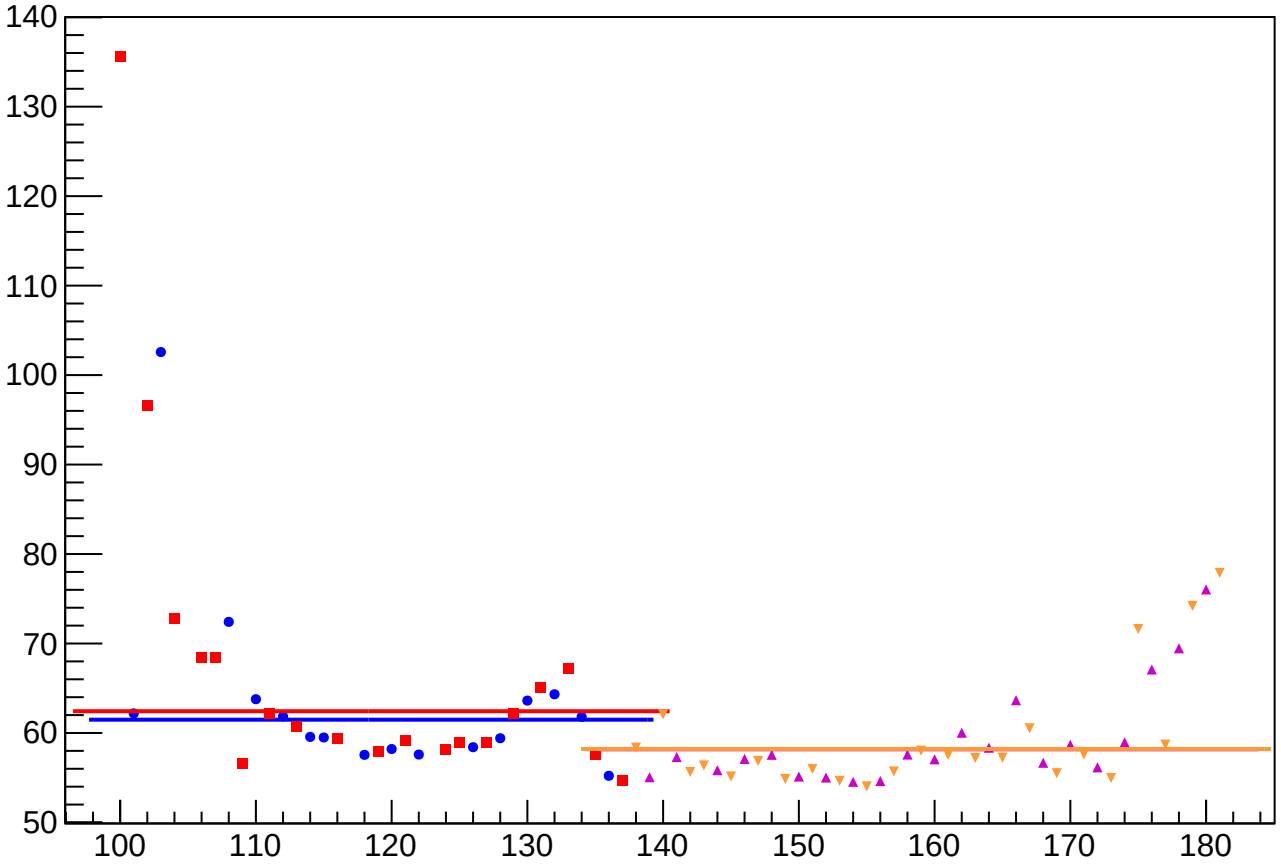
Left In: 190.766+/-14.083 χ^2/NDF:25.9/20

+ sign -190.961+/-11.773 χ^2/NDF: 62.6/38

All: -11.667+/-8.417 χ^2/NDF: 612.1/78

- sign 175.839+/-12.039 χ^2/NDF: 74.9/39

cor_asym_sam8_rms vs Slug



Right In: 61.486+/-0.016 χ^2/NDF: 250671.7/15

Left Out: 58.212+/-0.010 χ^2/NDF:297948.1/22

Right Out: 62.433+/-0.016 χ^2/NDF: 279408.8/18

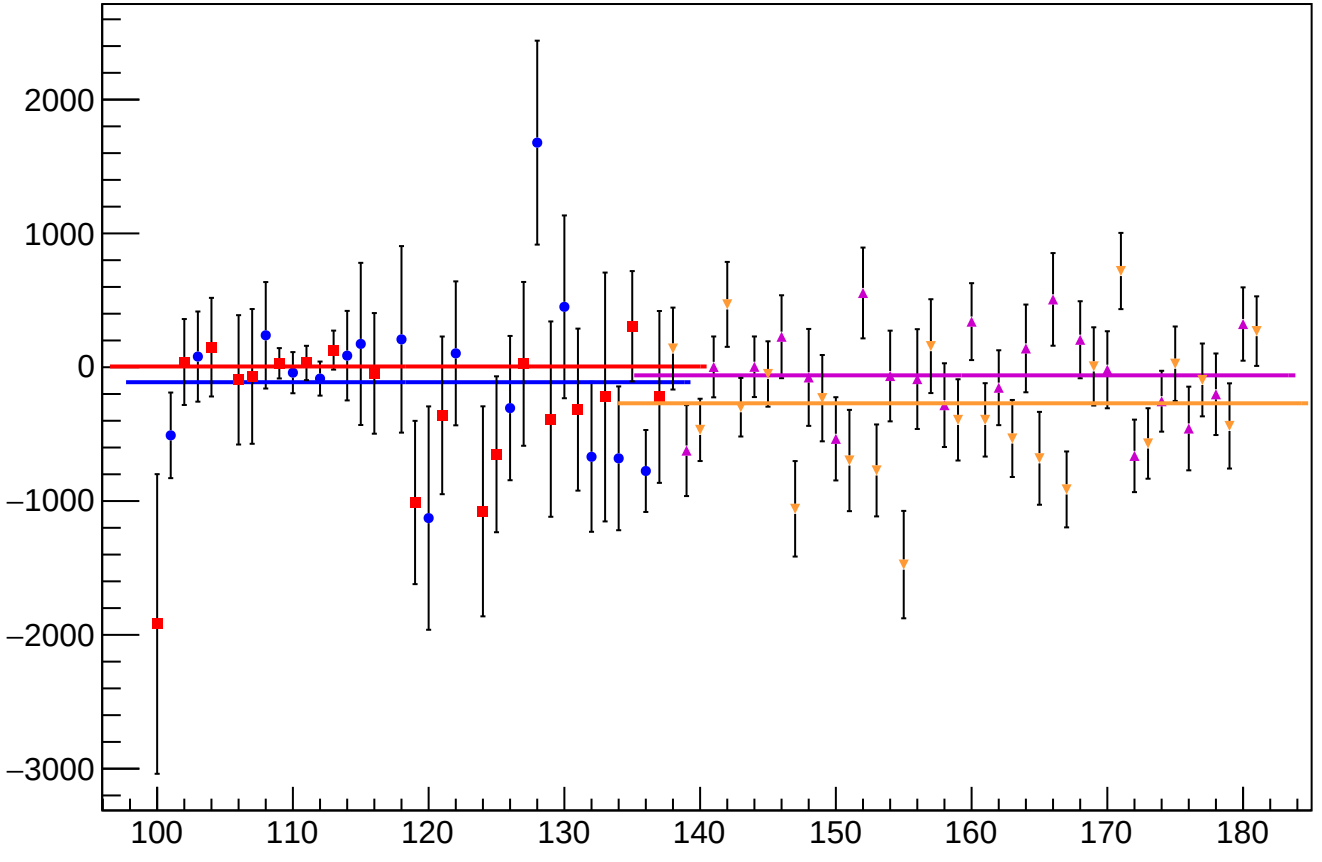
Left In: 58.175+/-0.010 χ^2/NDF:214595.3/20

+ sign 59.061+/-0.008 χ^2/NDF: 578326.4/38

All: 59.188+/-0.006 χ^2/NDF: 1122009.3/78

- sign 59.321+/-0.009 χ^2/NDF: 543205.4/39

asym_sam8_cor_correction_mean vs Slug



Right In: -111.866+/-76.213 χ^2/NDF: 18.5/15

Left Out: -269.463+/-60.810 χ^2/NDF:55.7/22

Right Out: 5.616+/-64.085 χ^2/NDF: 11.6/18

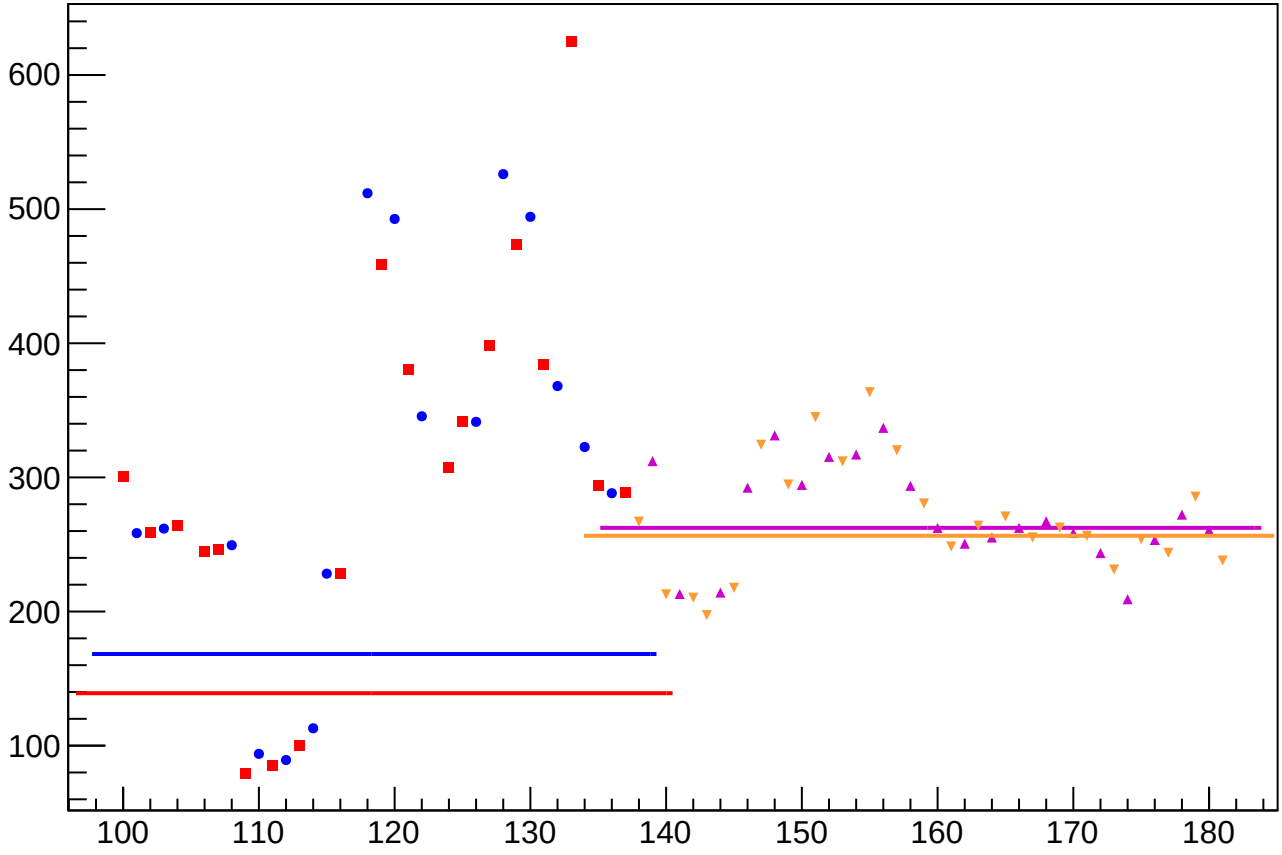
Left In: -60.592+/-63.936 χ^2/NDF:25.3/20

+ sign -208.160+/-47.533 χ^2/NDF: 76.8/38

All: -113.445+/-32.779 χ^2/NDF: 121.8/78

- sign -27.565+/-45.262 χ^2/NDF: 37.5/39

asym_sam8_cor_correction_rms vs Slug



Right In: 168.330+/-0.054 χ^2/NDF: 4544100.8/15

Left Out: 256.479+/-0.043 χ^2/NDF:851439.2/22

Right Out: 139.105+/-0.045 χ^2/NDF: 5130011.5/18

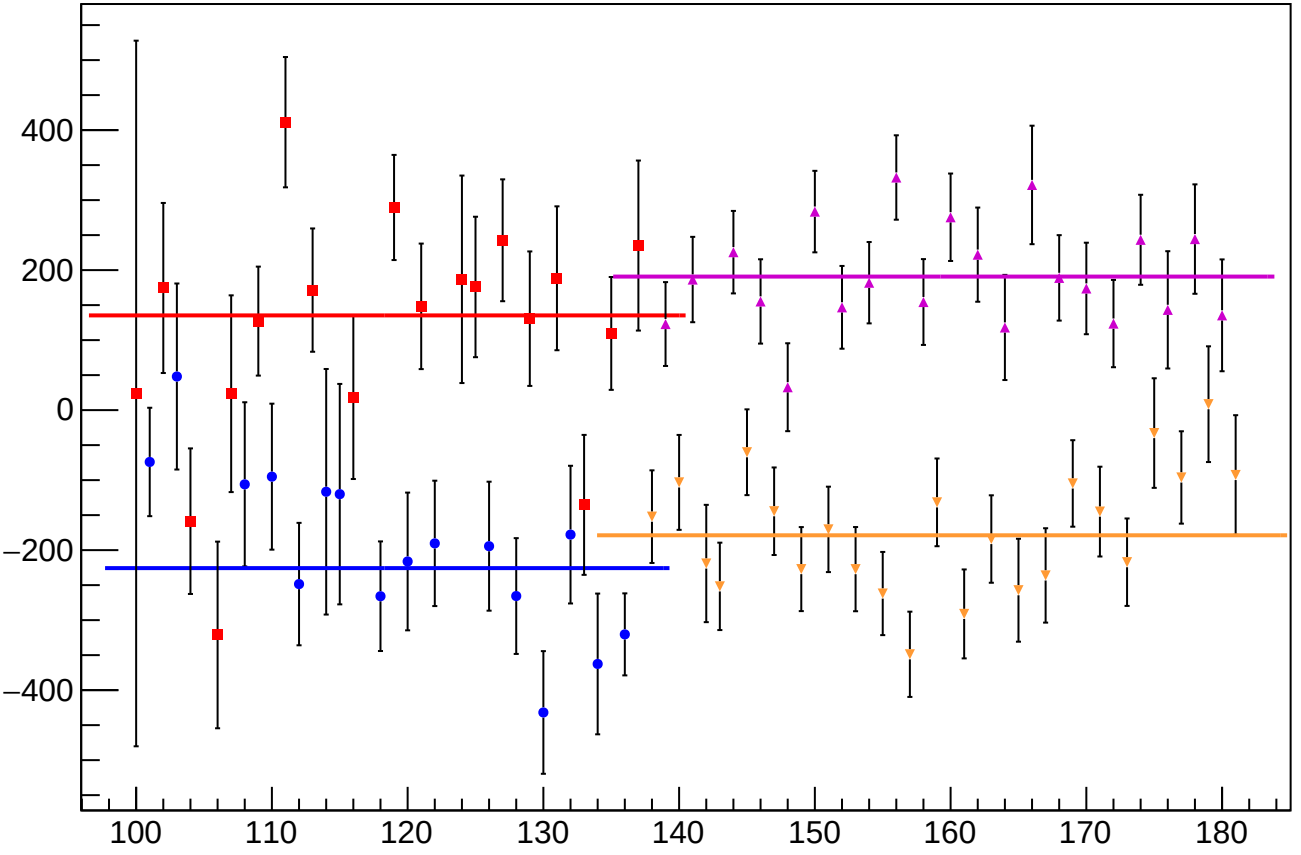
Left In: 262.386+/-0.045 χ^2/NDF:669225.2/20

+ sign 222.190+/-0.034 χ^2/NDF: 7030311.0/38

All: 211.018+/-0.023 χ^2/NDF: 16749474.0/78

- sign 200.888+/-0.032 χ^2/NDF: 9508506.0/39

eigen_cor_asym_sam8_mean vs Slug



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -178.802+/-13.679 χ^2/NDF:37.0/22

Right Out: 135.311+/-23.205 χ^2/NDF: 44.9/18

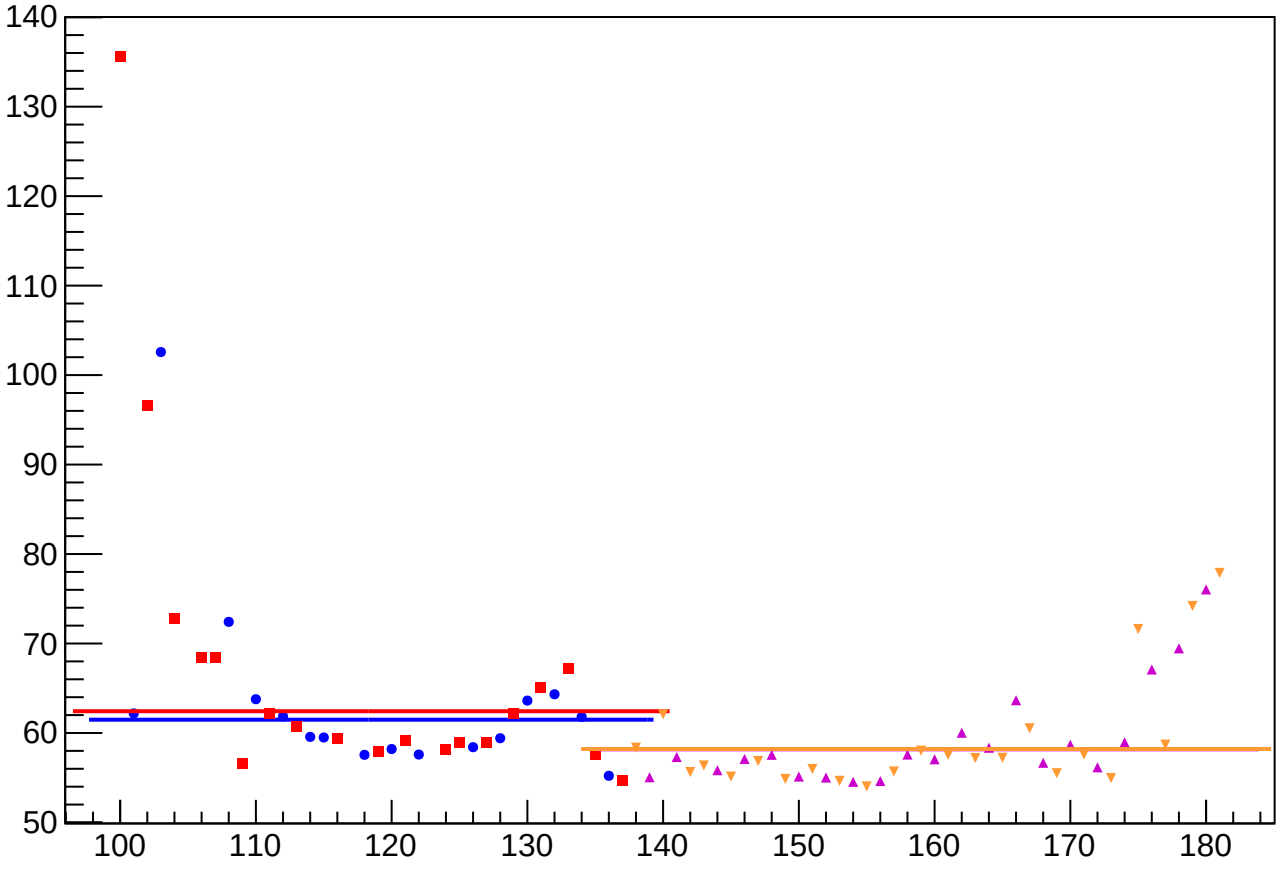
Left In: 190.766+/-14.083 χ^2/NDF:25.9/20

+ sign -190.961+/-11.773 χ^2/NDF: 62.6/38

All: -11.667+/-8.417 χ^2/NDF: 612.1/78

- sign 175.839+/-12.039 χ^2/NDF: 74.9/39

eigen_cor_asym_sam8_rms vs Slug



Right In: 61.486+/-0.016 χ^2/NDF: 250671.7/15

Left Out: 58.212+/-0.010 χ^2/NDF:297948.1/22

Right Out: 62.433+/-0.016 χ^2/NDF: 279408.8/18

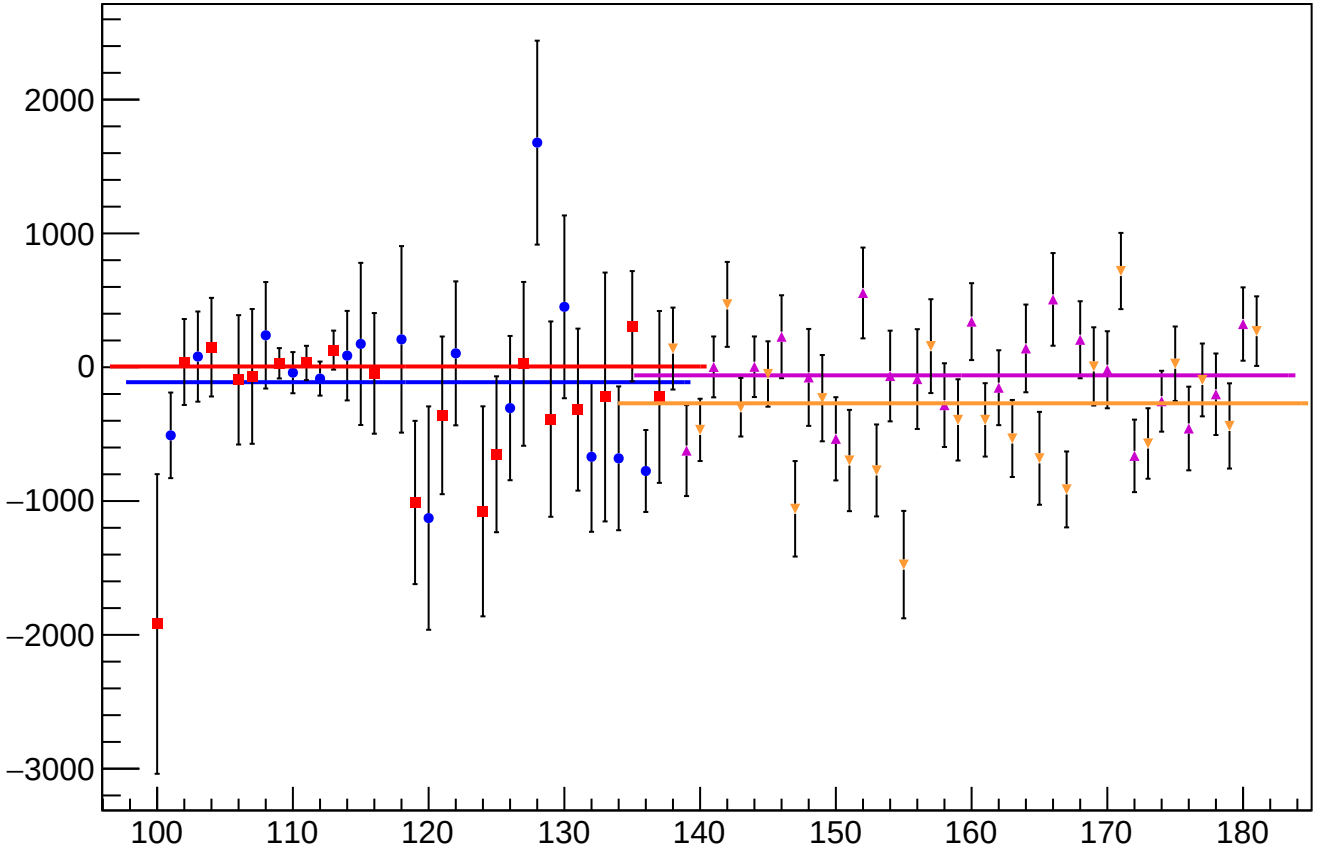
Left In: 58.175+/-0.010 χ^2/NDF:214595.3/20

+ sign 59.061+/-0.008 χ^2/NDF: 578326.4/38

All: 59.188+/-0.006 χ^2/NDF: 1122009.3/78

- sign 59.321+/-0.009 χ^2/NDF: 543205.4/39

asym_sam8_eigen_cor_correction_mean vs Slug



Right In: -111.866+/-76.213 χ^2/NDF: 18.5/15

Left Out: -269.463+/-60.810 χ^2/NDF:55.7/22

Right Out: 5.616+/-64.085 χ^2/NDF: 11.6/18

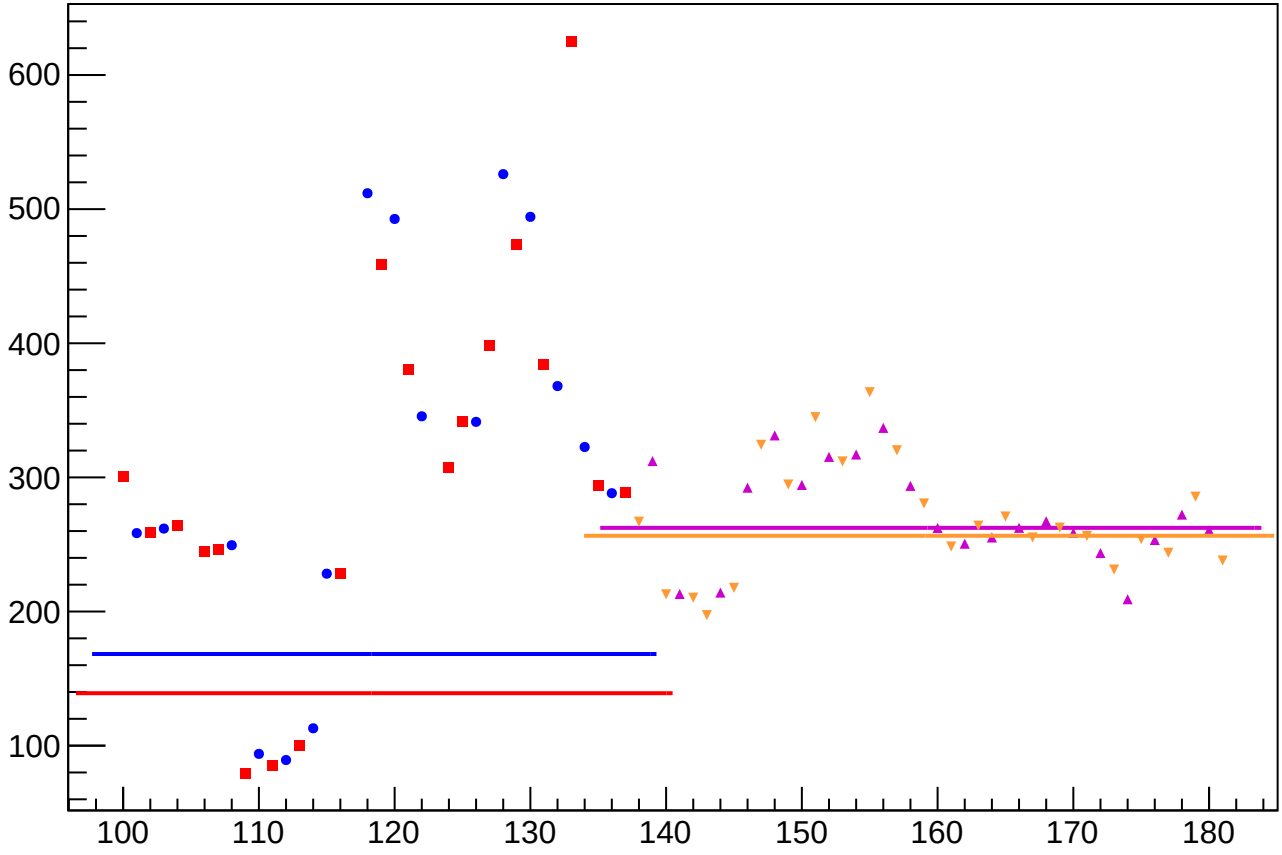
Left In: -60.592+/-63.936 χ^2/NDF:25.3/20

+ sign -208.160+/-47.533 χ^2/NDF: 76.8/38

All: -113.445+/-32.779 χ^2/NDF: 121.8/78

- sign -27.565+/-45.262 χ^2/NDF: 37.5/39

asym_sam8_eigen_cor_correction_rms vs Slug



Right In: 168.330+/-0.054 χ^2/NDF: 4544100.8/15

Left Out: 256.479+/-0.043 χ^2/NDF:851439.2/22

Right Out: 139.105+/-0.045 χ^2/NDF: 5130011.5/18

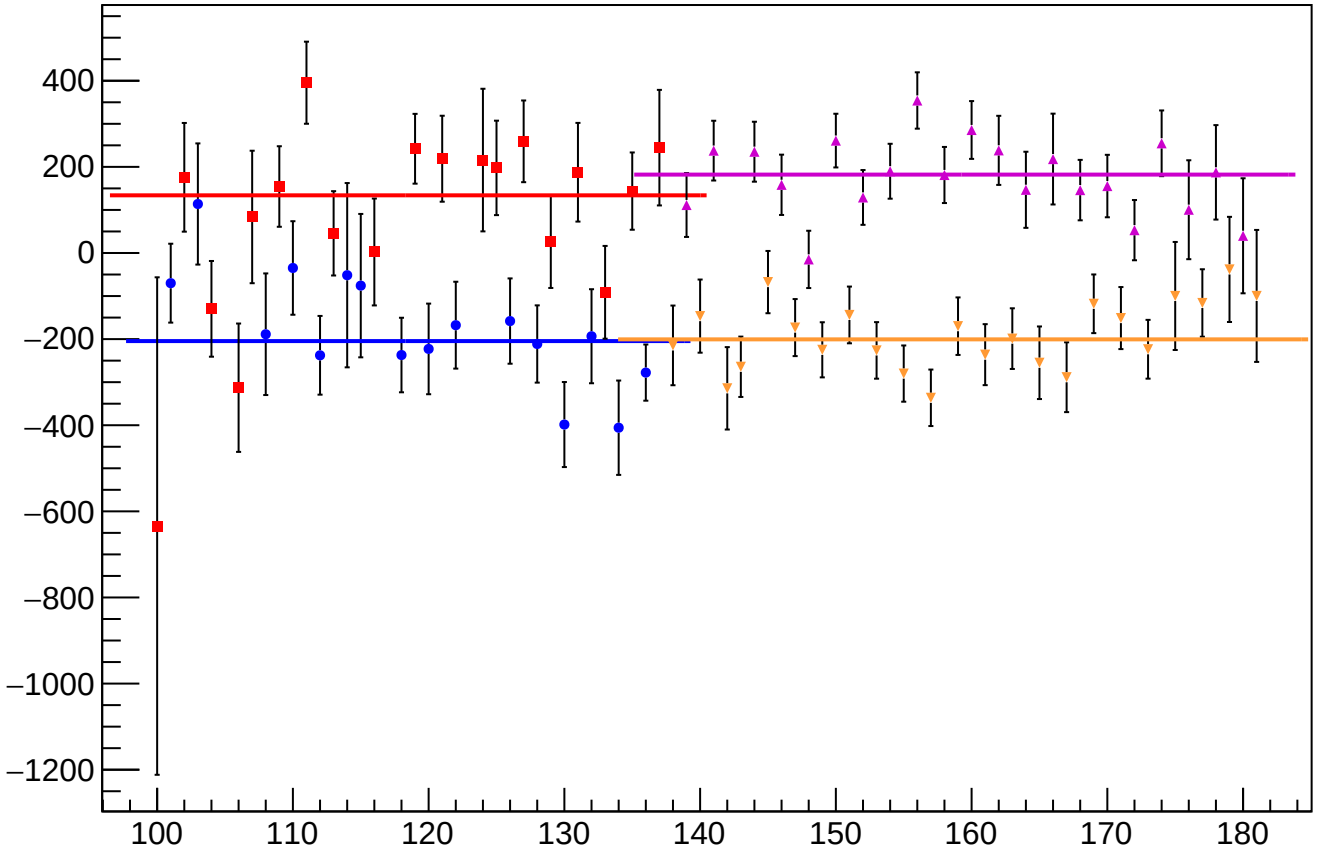
Left In: 262.386+/-0.045 χ^2/NDF:669225.2/20

+ sign 222.190+/-0.034 χ^2/NDF: 7030311.0/38

All: 211.018+/-0.023 χ^2/NDF: 16749474.0/78

- sign 200.888+/-0.032 χ^2/NDF: 9508506.0/39

dit_asym_sam8_mean vs Slug



Right In: -204.577+/-25.523 χ^2/NDF: 20.0/15

Left Out: -200.585+/-15.737 χ^2/NDF:21.1/22

Right Out: 133.924+/-25.484 χ^2/NDF: 37.2/18

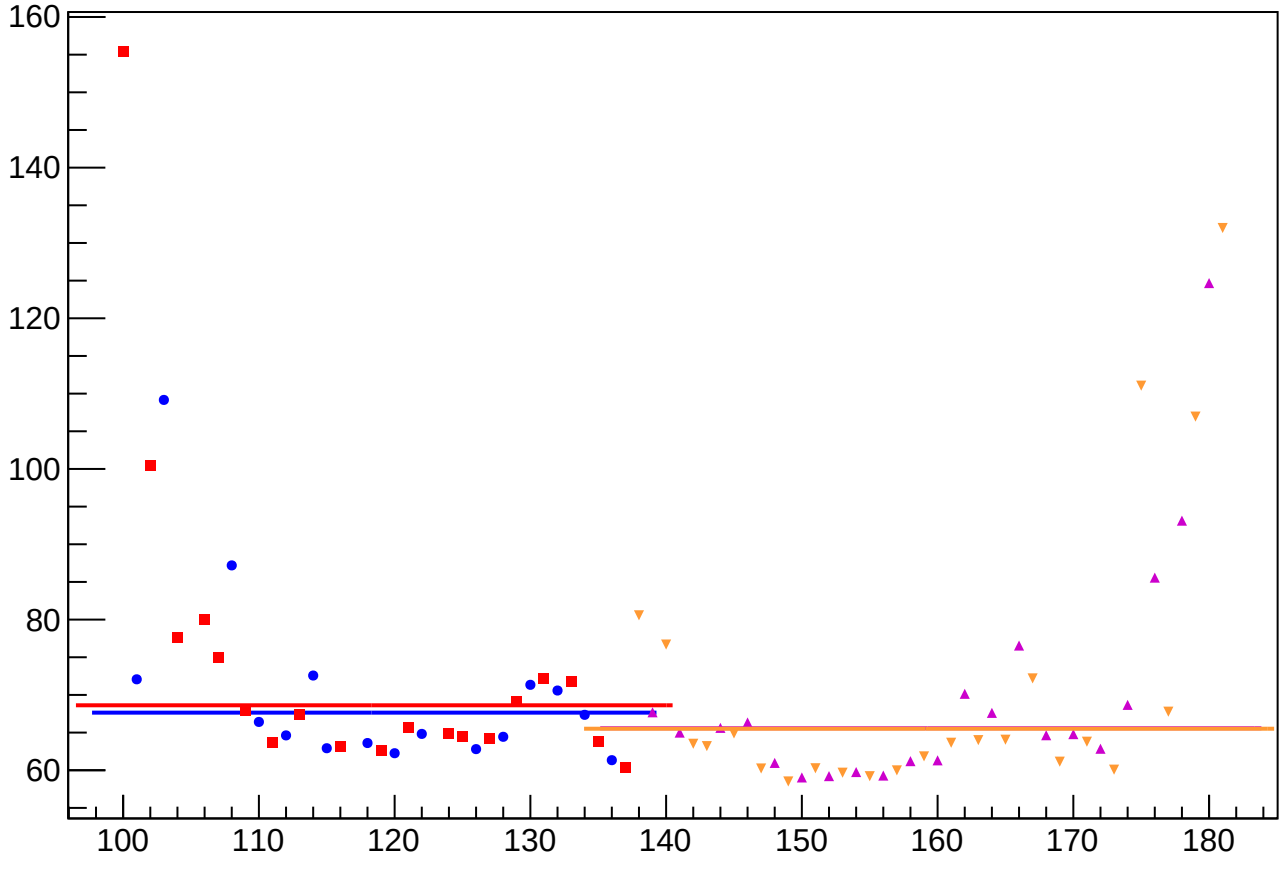
Left In: 182.051+/-16.169 χ^2/NDF:29.7/20

+ sign -201.685+/-13.395 χ^2/NDF: 41.2/38

All: -20.248+/-9.562 χ^2/NDF: 484.7/78

- sign 168.237+/-13.653 χ^2/NDF: 69.5/39

dit_asym_sam8_rms vs Slug



Right In: 67.647+/-0.018 χ^2/NDF: 263669.9/15

Left Out: 65.513+/-0.011 χ^2/NDF:1105317.6/22

Right Out: 68.624+/-0.018 χ^2/NDF: 248164.6/18

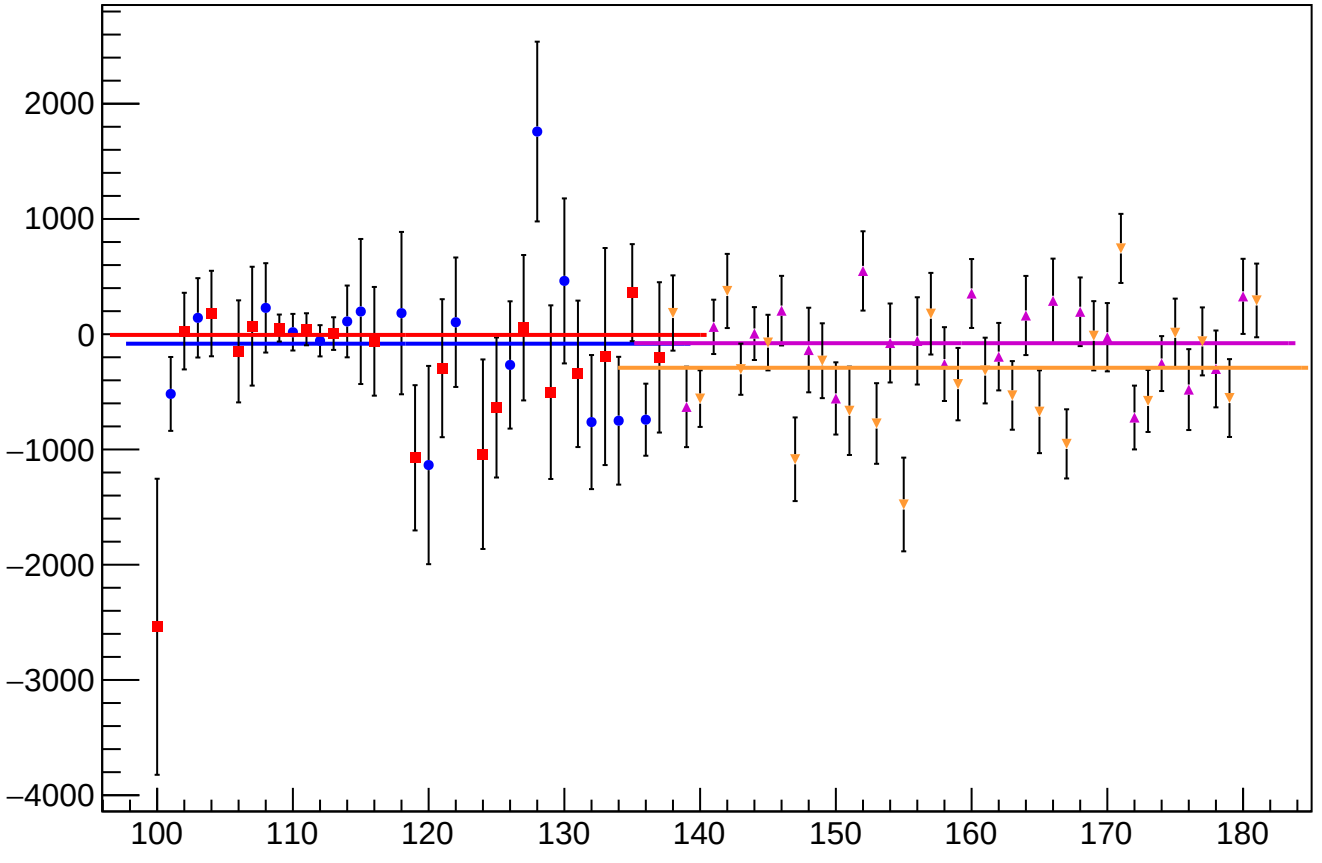
Left In: 65.574+/-0.011 χ^2/NDF:720172.6/20

+ sign 66.101+/-0.009 χ^2/NDF: 1379124.8/38

All: 66.272+/-0.007 χ^2/NDF: 2368553.6/78

- sign 66.449+/-0.010 χ^2/NDF: 988764.3/39

asym_sam8_dit_correction_mean vs Slug



Right In: -82.228+/-78.676 χ^2/NDF: 19.2/15

Left Out: -291.186+/-63.356 χ^2/NDF:52.7/22

Right Out: -6.063+/-65.910 χ^2/NDF: 12.0/18

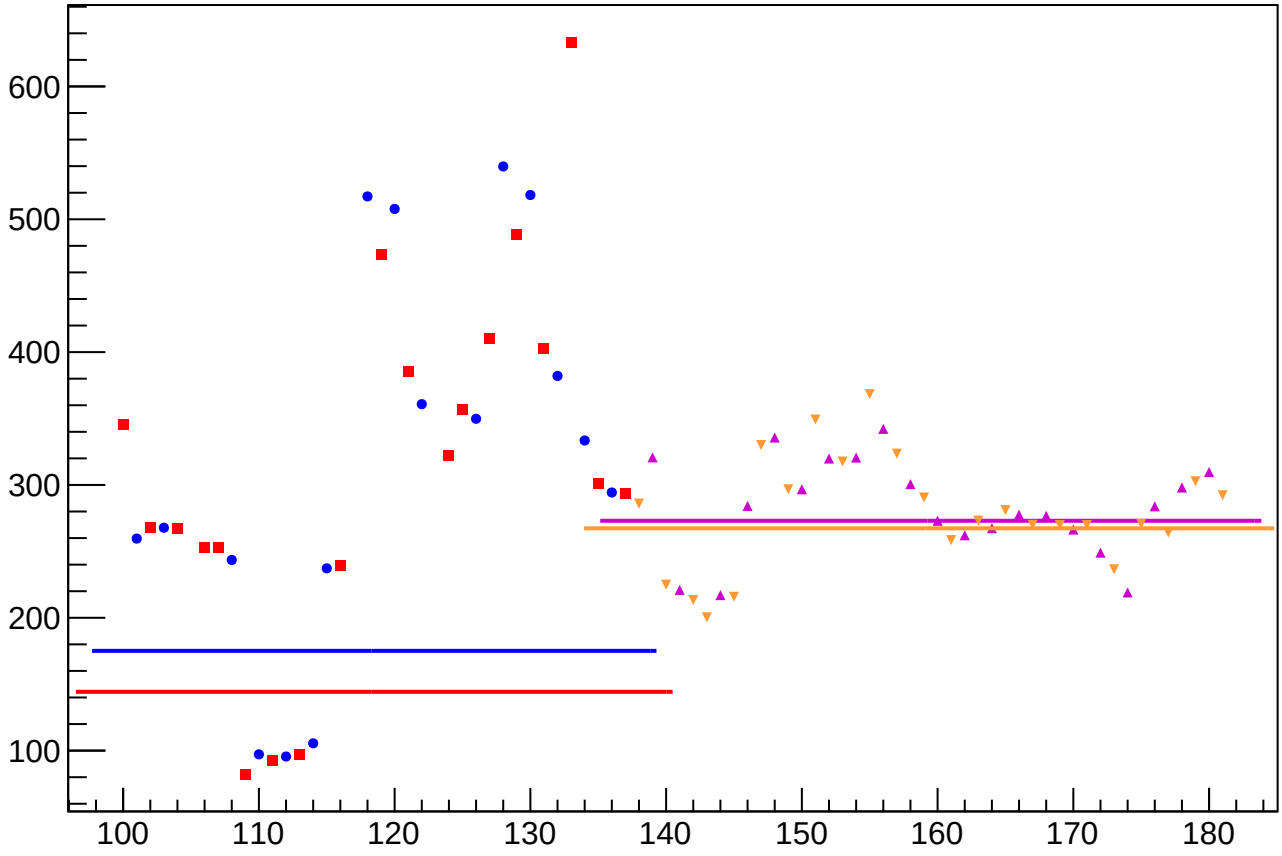
Left In: -77.910+/-66.505 χ^2/NDF:23.8/20

+ sign -208.986+/-49.346 χ^2/NDF: 76.2/38

All: -120.924+/-33.962 χ^2/NDF: 118.7/78

- sign -41.664+/-46.815 χ^2/NDF: 36.4/39

asym_sam8_dit_correction_rms vs Slug



Right In: 175.099+/-0.056 χ^2/NDF: 4429076.5/15

Left Out: 267.341+/-0.045 χ^2/NDF:855865.0/22

Right Out: 144.276+/-0.047 χ^2/NDF: 5132432.2/18

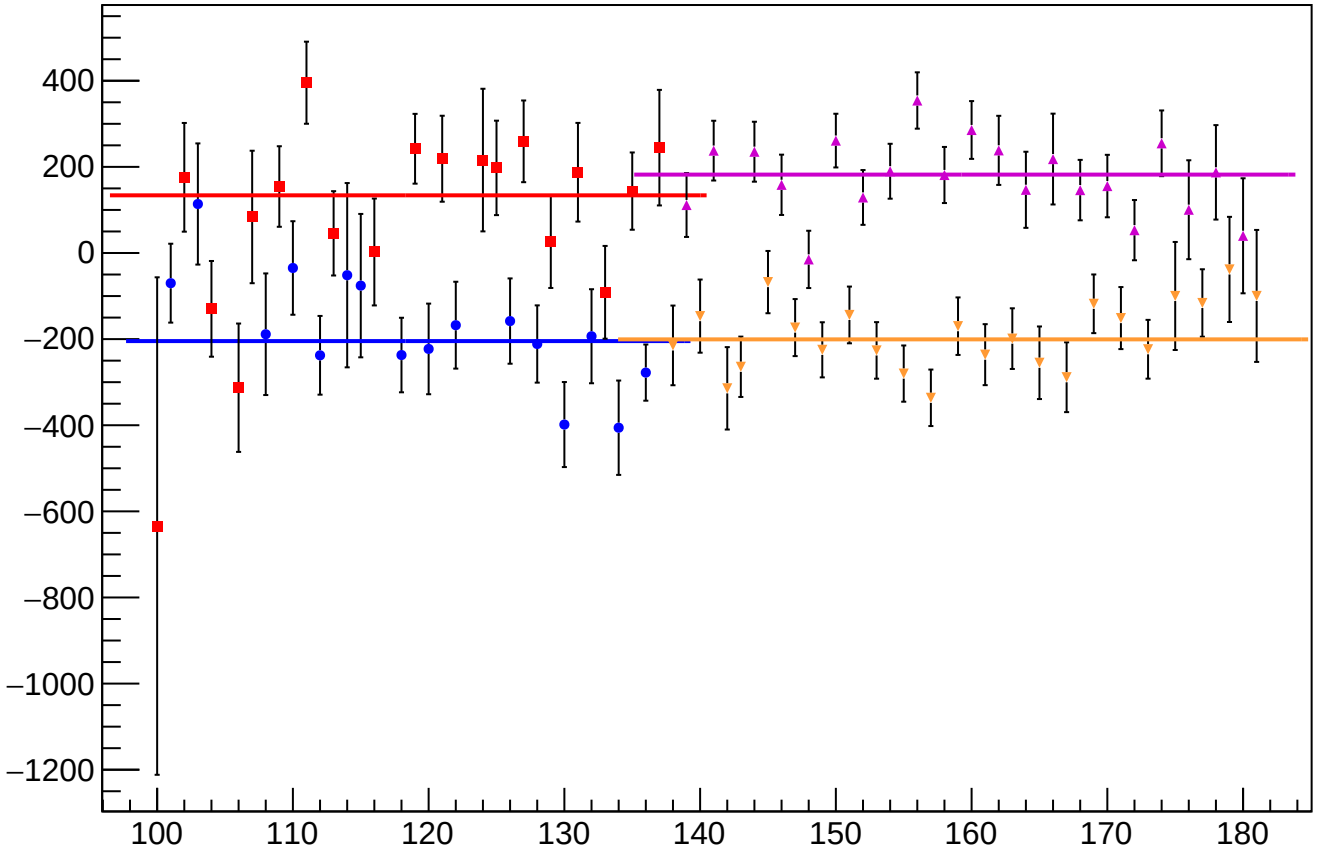
Left In: 273.034+/-0.047 χ^2/NDF:644591.2/20

+ sign 231.055+/-0.035 χ^2/NDF: 6952652.4/38

All: 218.961+/-0.024 χ^2/NDF: 16739926.5/78

- sign 208.076+/-0.033 χ^2/NDF: 9559017.3/39

eigen_dit_asym_sam8_mean vs Slug



Right In: -204.577+/-25.523 χ^2/NDF: 20.0/15

Left Out: -200.585+/-15.737 χ^2/NDF:21.1/22

Right Out: 133.926+/-25.483 χ^2/NDF: 37.2/18

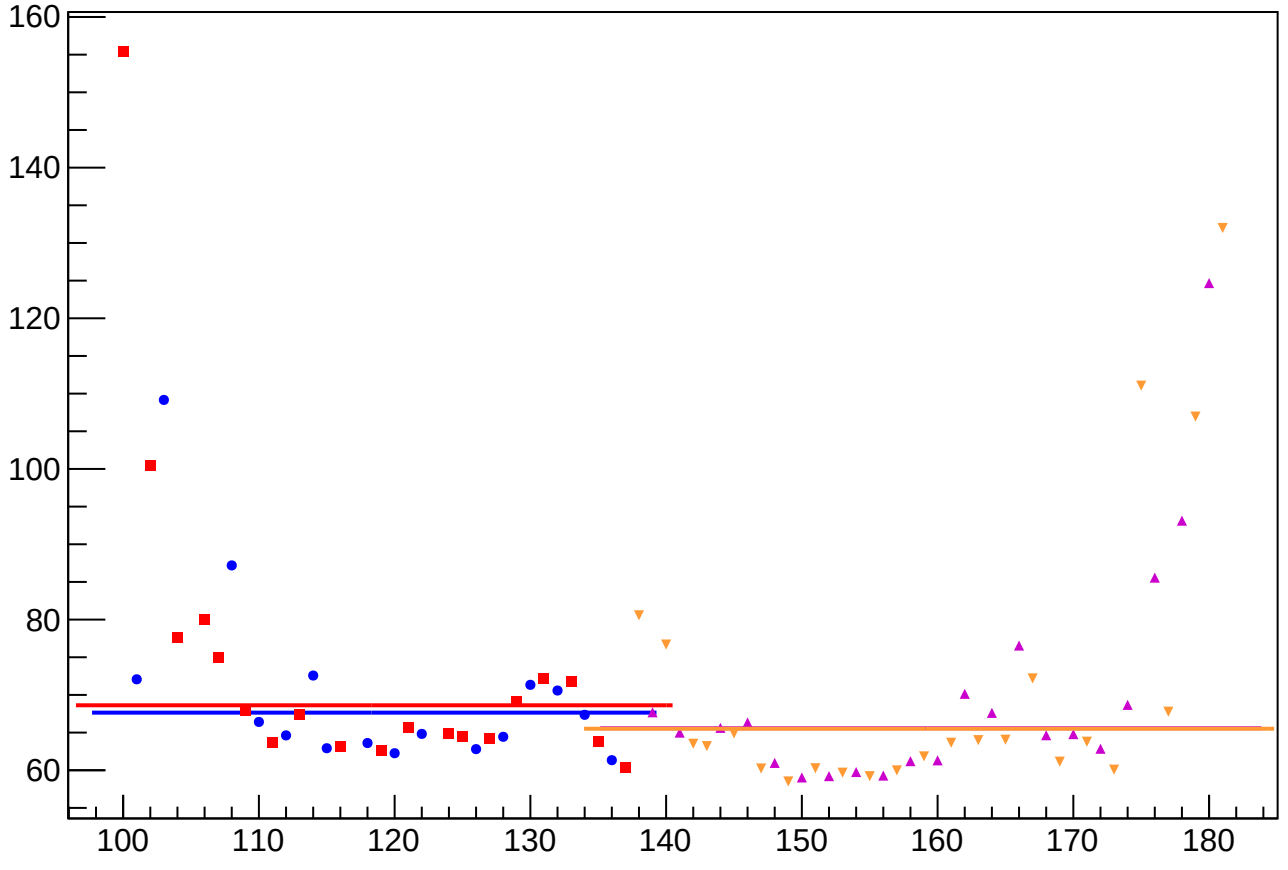
Left In: 182.052+/-16.169 χ^2/NDF:29.7/20

+ sign -201.685+/-13.395 χ^2/NDF: 41.2/38

All: -20.247+/-9.562 χ^2/NDF: 484.7/78

- sign 168.238+/-13.653 χ^2/NDF: 69.5/39

eigen_dit_asym_sam8_rms vs Slug



Right In: 67.647+/-0.018 χ^2/NDF: 263668.9/15

Left Out: 65.513+/-0.011 χ^2/NDF:1105321.3/22

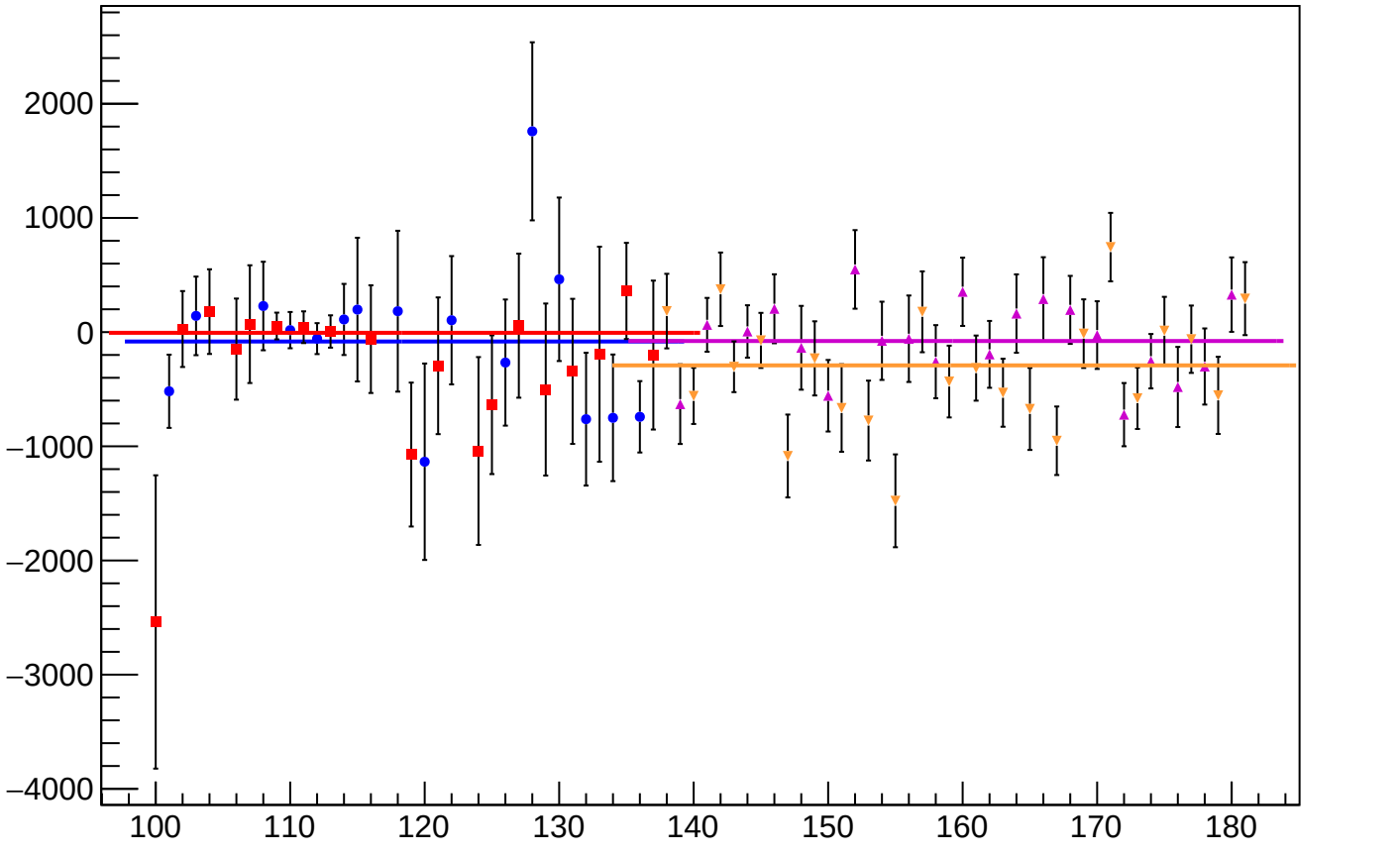
Right Out: 68.624+/-0.018 χ^2/NDF: 248166.1/18

Left In: 65.574+/-0.011 χ^2/NDF:720166.8/20

+ sign 66.101+/-0.009 χ^2/NDF: 1379125.6/38

All: 66.272+/-0.007 χ^2/NDF: 2368546.8/78

- sign 66.449+/-0.010 χ^2/NDF: 988756.7/39



Right In: -82.226+/-78.675 χ^2/NDF: 19.2/15

Left Out: -291.186+/-63.356 χ^2/NDF:52.7/22

Right Out: -6.062+/-65.910 χ^2/NDF: 12.0/18

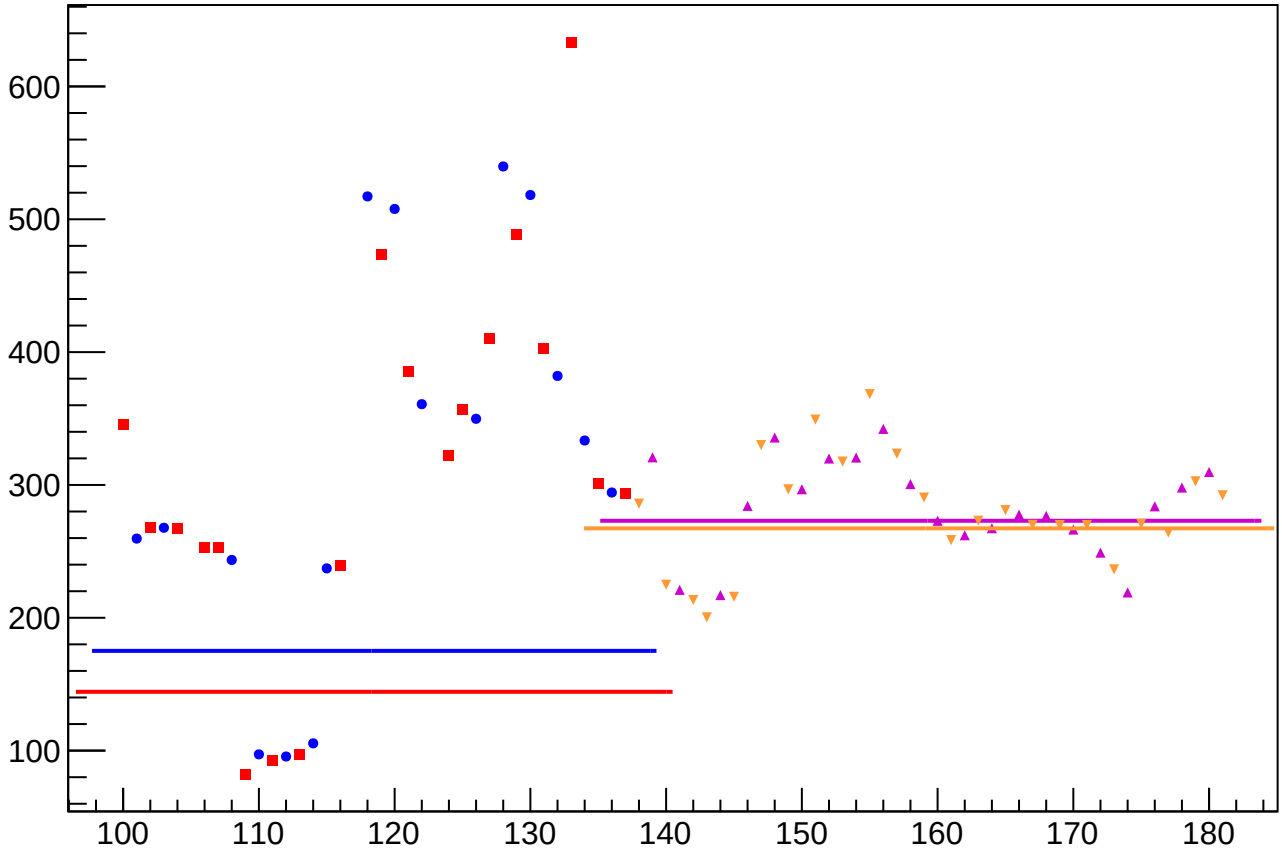
Left In: -77.910+/-66.505 χ^2/NDF:23.8/20

+ sign -208.985+/-49.345 χ^2/NDF: 76.2/38

All: -120.923+/-33.962 χ^2/NDF: 118.7/78

- sign -41.663+/-46.814 χ^2/NDF: 36.4/39

asym_sam8_eigen_dit_correction_rms vs Slug



Right In: 175.098+/-0.056 χ^2/NDF: 4429098.4/15

Left Out: 267.340+/-0.045 χ^2/NDF:855875.1/22

Right Out: 144.276+/-0.047 χ^2/NDF: 5132412.3/18

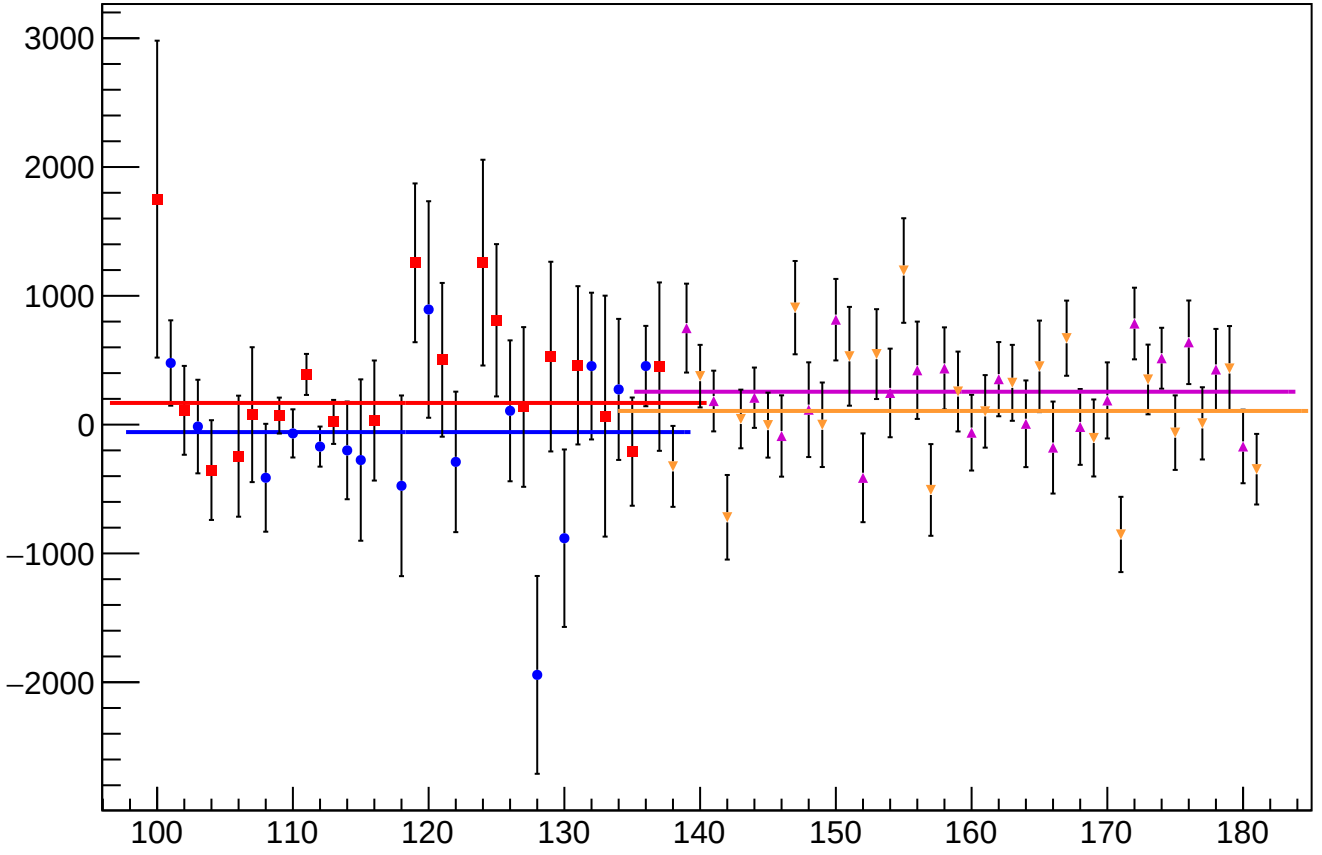
Left In: 273.033+/-0.047 χ^2/NDF:644596.3/20

+ sign 231.054+/-0.035 χ^2/NDF: 6952716.1/38

All: 218.961+/-0.024 χ^2/NDF: 16739947.3/78

- sign 208.076+/-0.033 χ^2/NDF: 9558986.0/39

asym_sam8_mean vs Slug



Right In: -57.970+/-86.890 χ^2/NDF: 17.4/15

Left Out: 106.155+/-62.599 χ^2/NDF:49.5/22

Right Out: 168.322+/-74.598 χ^2/NDF: 15.5/18

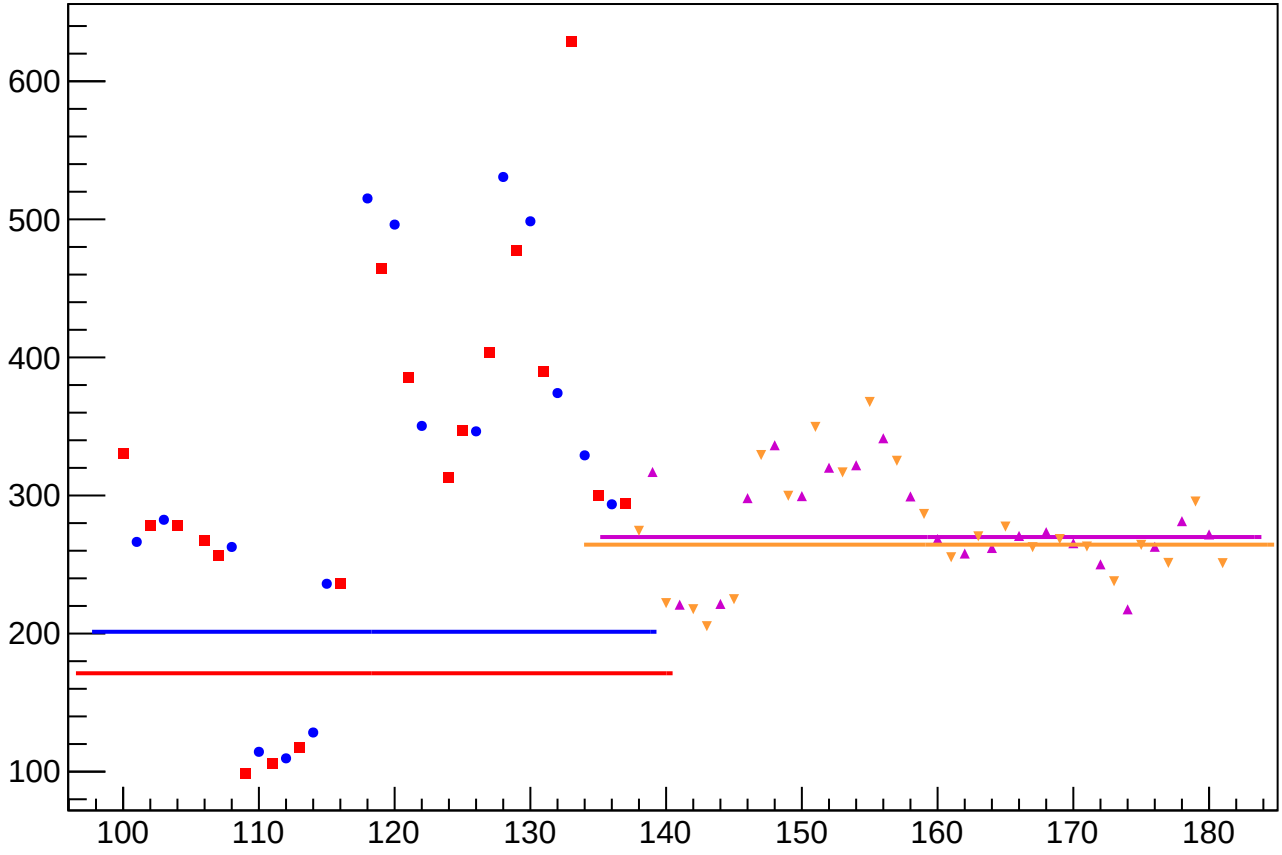
Left In: 255.376+/-65.699 χ^2/NDF:23.9/20

+ sign 50.075+/-50.791 χ^2/NDF: 69.2/38

All: 136.197+/-35.377 χ^2/NDF: 114.9/78

- sign 217.349+/-49.304 χ^2/NDF: 40.1/39

asym_sam8_rms vs Slug



Right In: 201.301+/-0.061 χ^2/NDF: 3572199.4/15

Left Out: 264.400+/-0.044 χ^2/NDF:769237.8/22

Right Out: 171.252+/-0.053 χ^2/NDF: 4192554.2/18

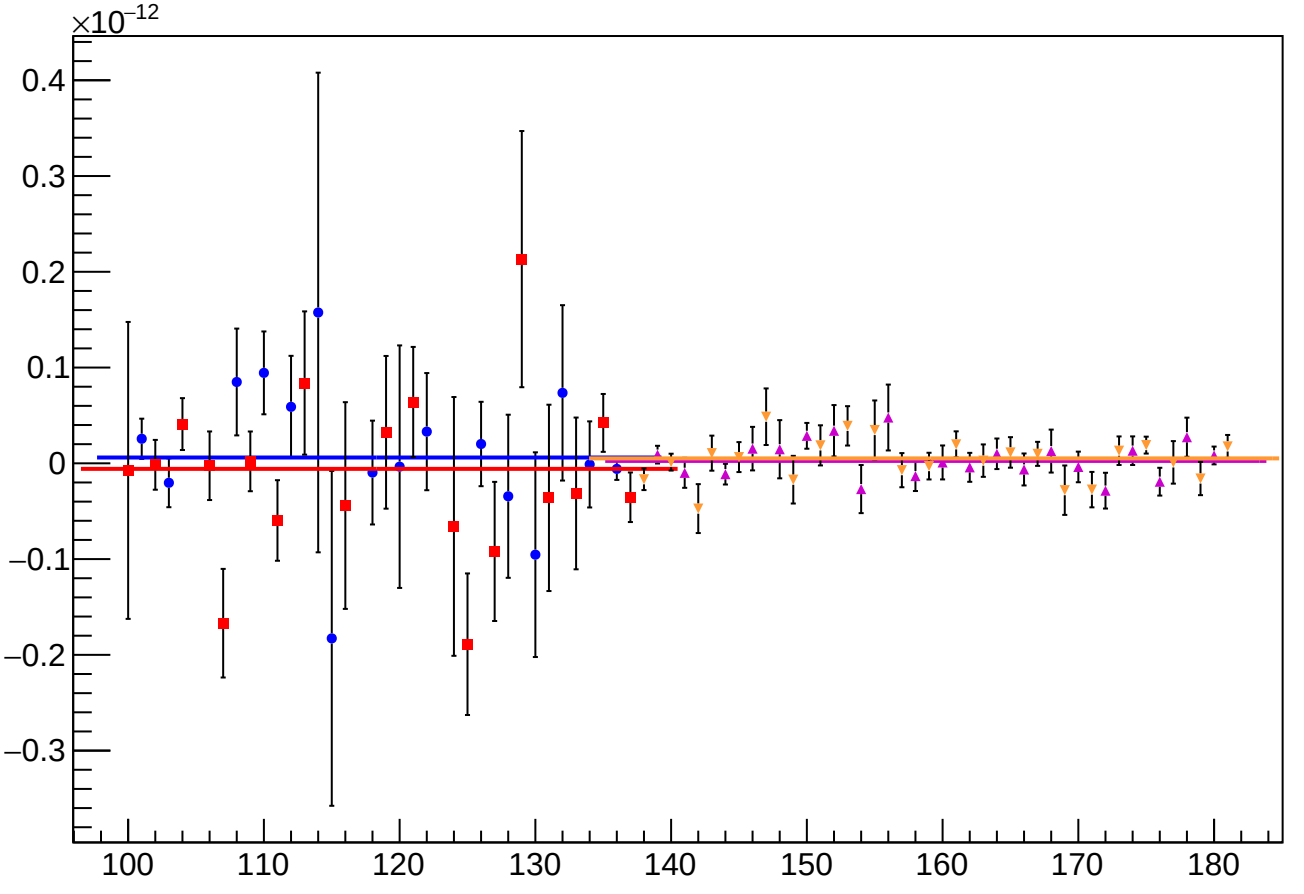
Left In: 269.921+/-0.046 χ^2/NDF:602114.6/20

+ sign 242.840+/-0.036 χ^2/NDF: 5035750.9/38

All: 234.592+/-0.025 χ^2/NDF: 11903407.4/78

- sign 226.820+/-0.035 χ^2/NDF: 6765217.5/39

asym_sam8_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:27.7/22

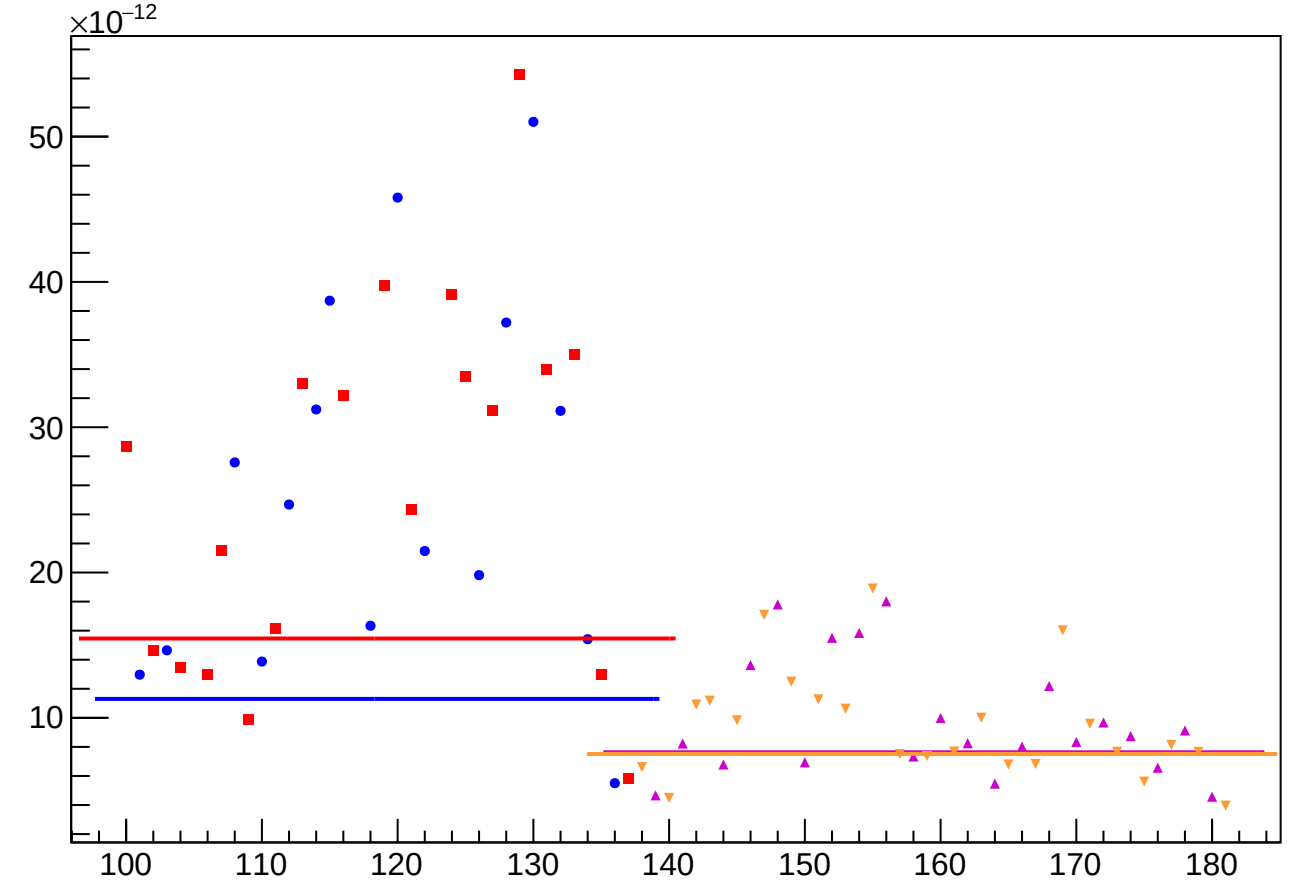
Right Out: -0.000+/-0.000 χ^2/NDF: 30.5/18

Left In: 0.000+/-0.000 χ^2/NDF:21.0/20

+ sign 0.000+/-0.000 χ^2/NDF: 41.5/38

All: 0.000+/-0.000 χ^2/NDF: 94.2/78

- sign 0.000+/-0.000 χ^2/NDF: 52.1/39



Right In: 0.000+/-0.000 χ^2/NDF: 1788731.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1648969.1/22

Right Out: 0.000+/-0.000 χ^2/NDF: 1442096.6/18

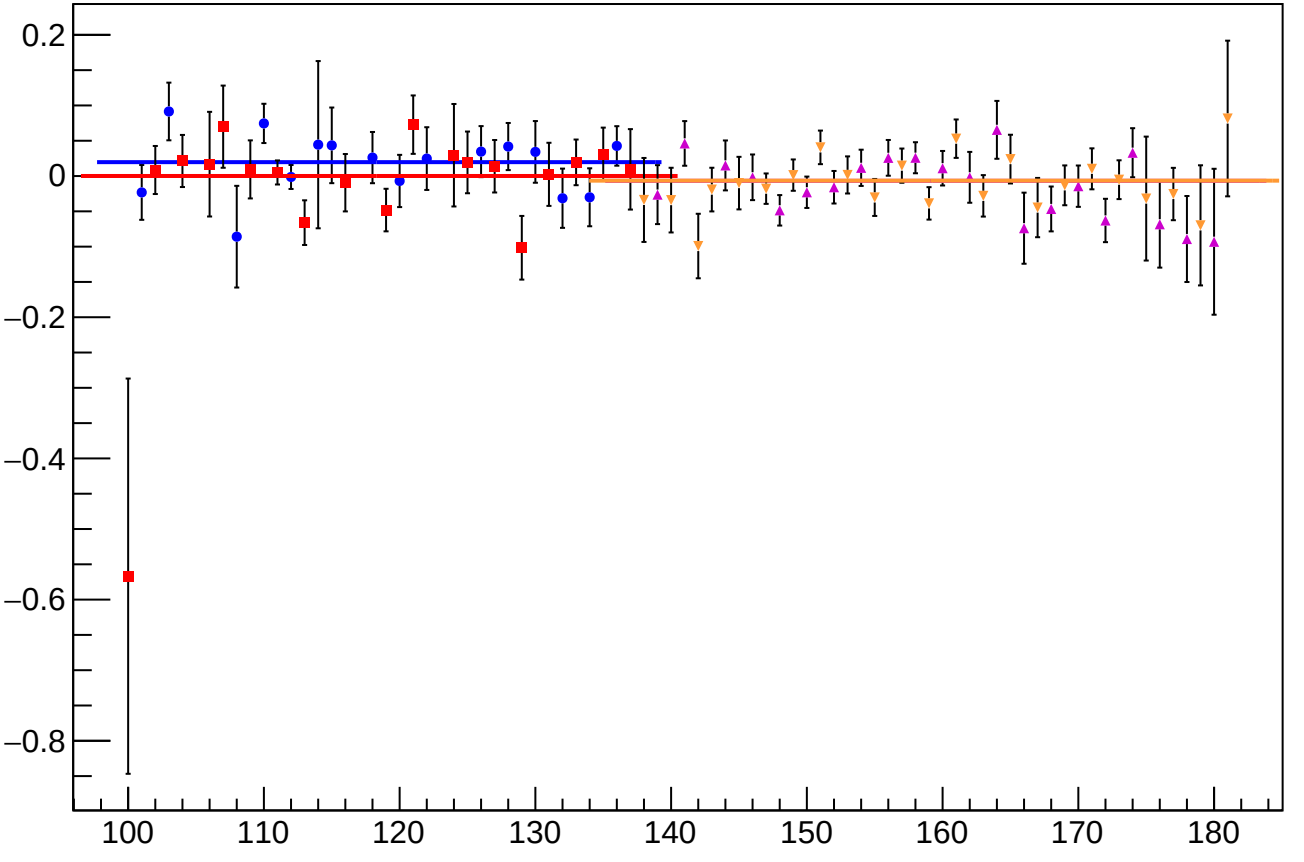
Left In: 0.000+/-0.000 χ^2/NDF:1595967.5/20

+ sign 0.000+/-0.000 χ^2/NDF: 3804661.7/38

All: 0.000+/-0.000 χ^2/NDF: 7923740.2/78

- sign 0.000+/-0.000 χ^2/NDF: 4102102.9/39

asym_sam8_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:21.7/22

Right Out: 0.000+/-0.009 χ^2/NDF: 22.8/18

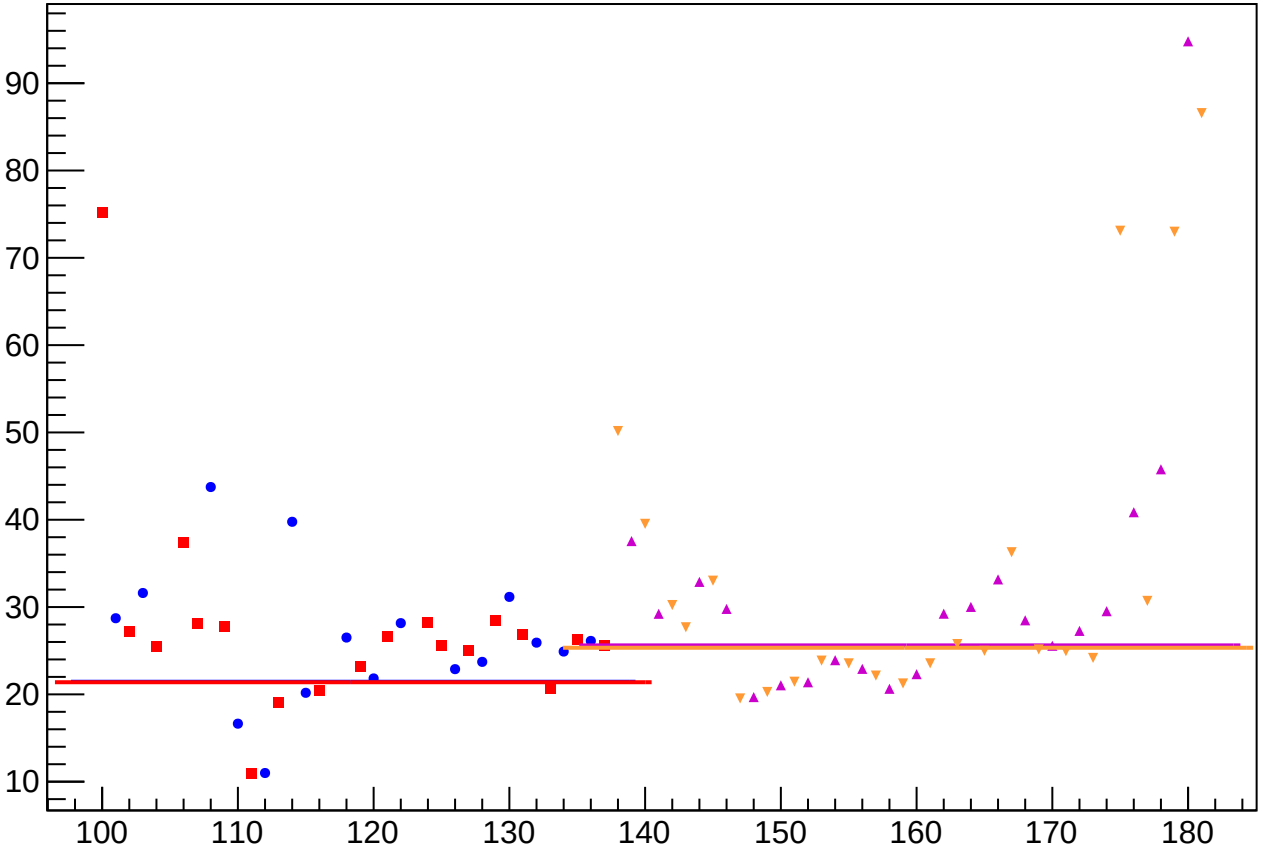
Left In: -0.007+/-0.007 χ^2/NDF:27.5/20

+ sign 0.003+/-0.005 χ^2/NDF: 44.6/38

All: -0.001+/-0.004 χ^2/NDF: 96.3/78

- sign -0.004+/-0.005 χ^2/NDF: 50.8/39

asym_sam8_dit_vs_cor_diff_rms vs Slug



Right In: 21.444+/-0.006 χ^2/NDF: 1540713.8/15

Left Out: 25.339+/-0.005 χ^2/NDF:3103564.0/22

Right Out: 21.389+/-0.006 χ^2/NDF: 1311934.3/18

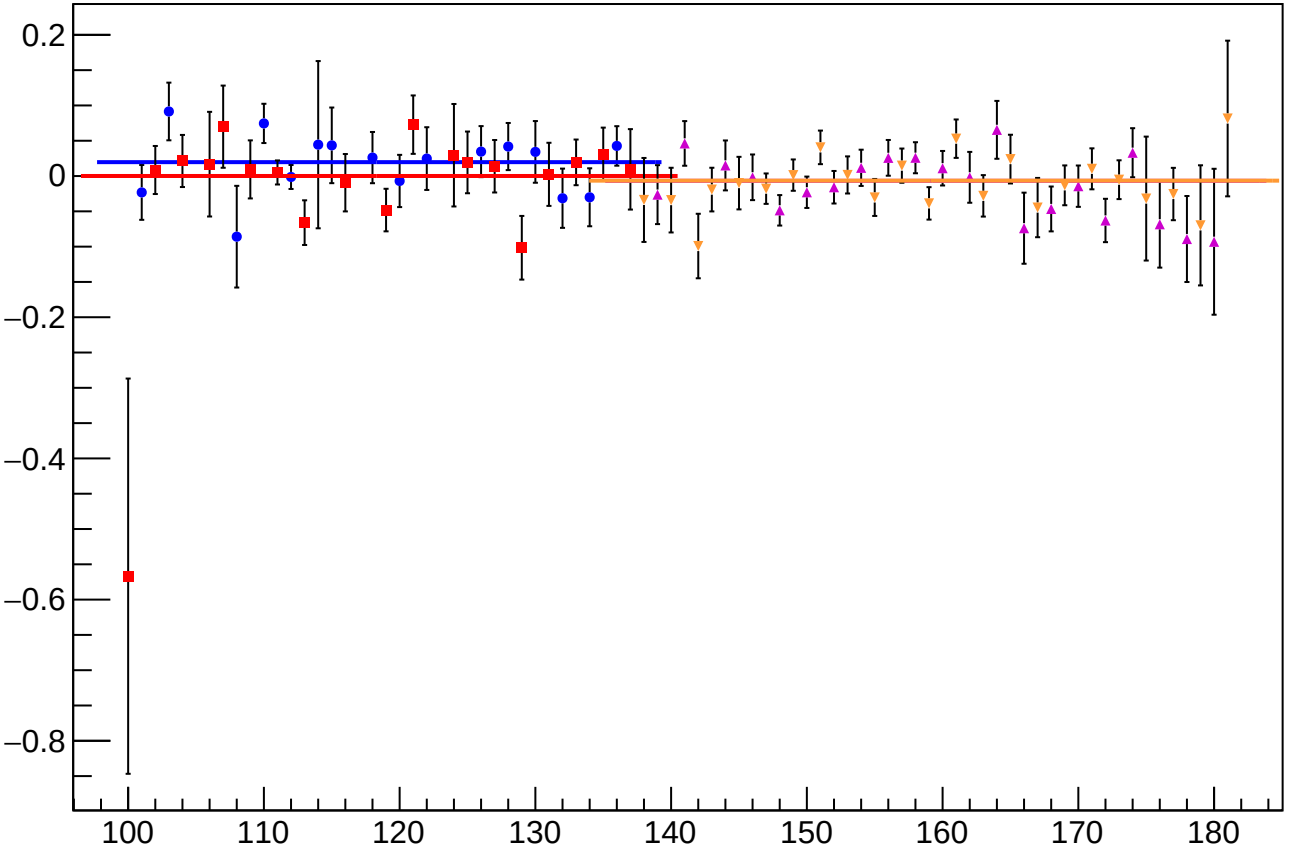
Left In: 25.609+/-0.005 χ^2/NDF:2154916.6/20

+ sign 23.961+/-0.004 χ^2/NDF: 4904233.2/38

All: 23.985+/-0.003 χ^2/NDF: 8676740.3/78

- sign 24.009+/-0.004 χ^2/NDF: 3772420.2/39

asym_sam8_dit_vs_eigen_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:21.7/22

Right Out: 0.000+/-0.009 χ^2/NDF: 22.8/18

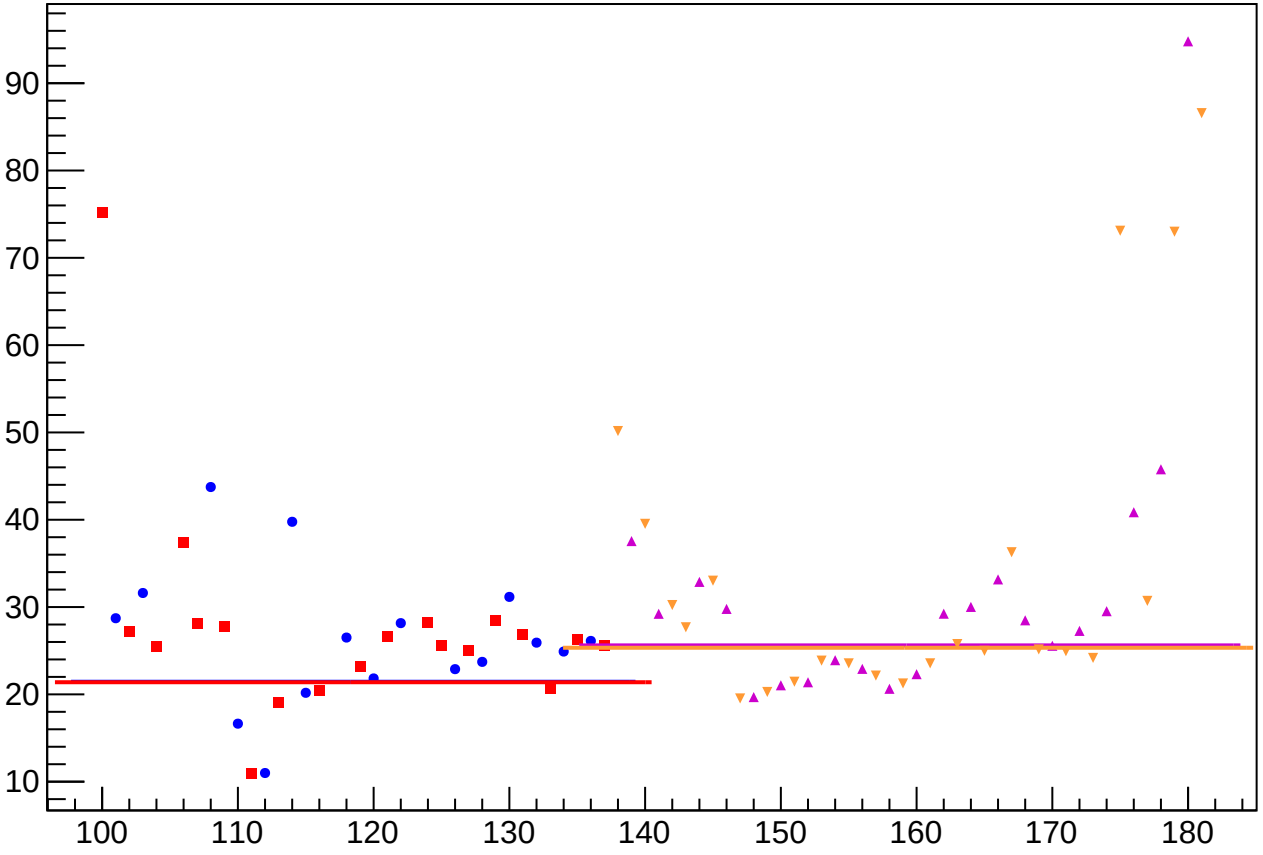
Left In: -0.007+/-0.007 χ^2/NDF:27.5/20

+ sign 0.003+/-0.005 χ^2/NDF: 44.6/38

All: -0.001+/-0.004 χ^2/NDF: 96.3/78

- sign -0.004+/-0.005 χ^2/NDF: 50.8/39

asym_sam8_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 21.444+/-0.006 χ^2/NDF: 1540713.8/15

Left Out: 25.339+/-0.005 χ^2/NDF:3103564.0/22

Right Out: 21.389+/-0.006 χ^2/NDF: 1311934.3/18

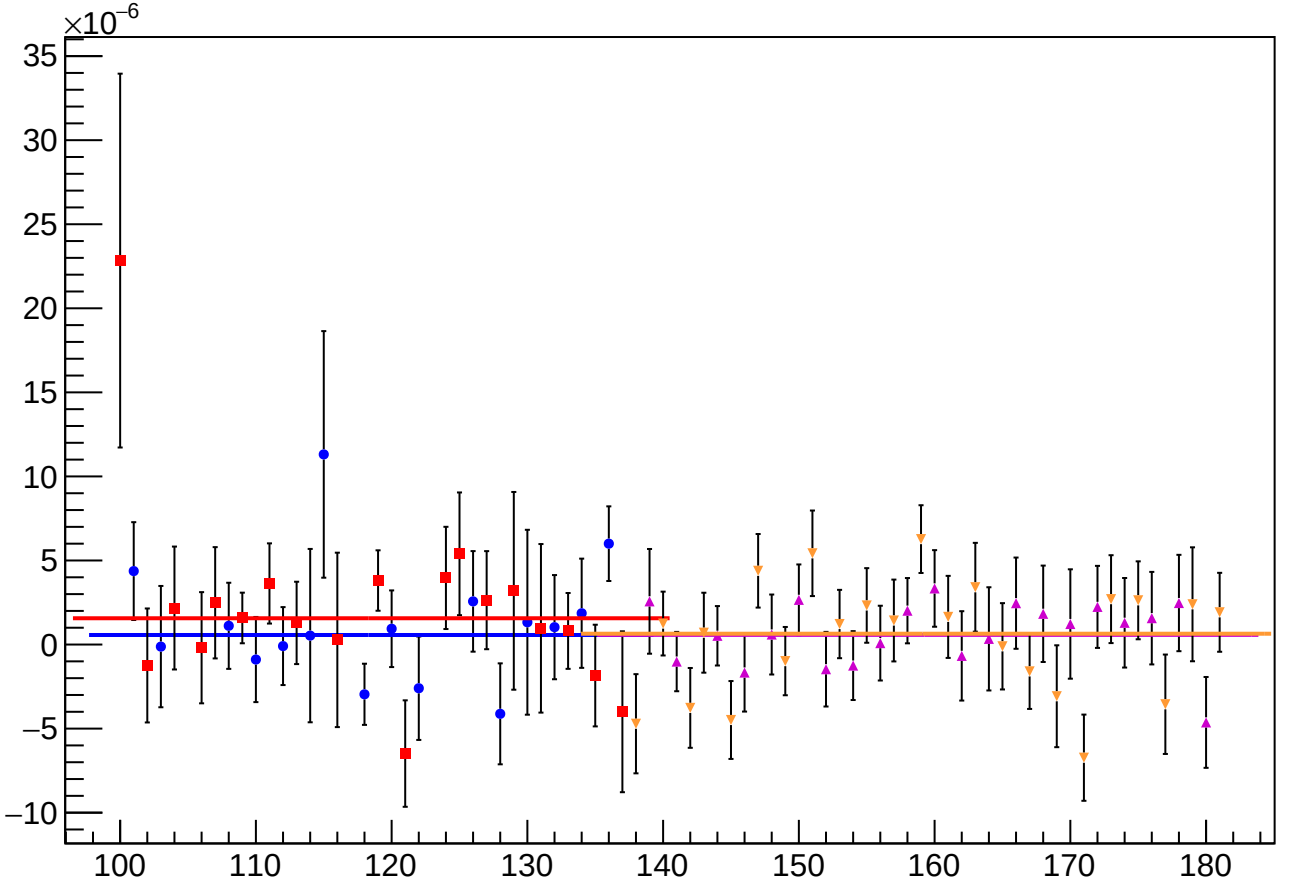
Left In: 25.609+/-0.005 χ^2/NDF:2154916.6/20

\+ sign 23.961+/-0.004 χ^2/NDF: 4904233.2/38

All: 23.985+/-0.003 χ^2/NDF: 8676740.3/78

\- sign 24.009+/-0.004 χ^2/NDF: 3772420.2/39

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:43.5/22

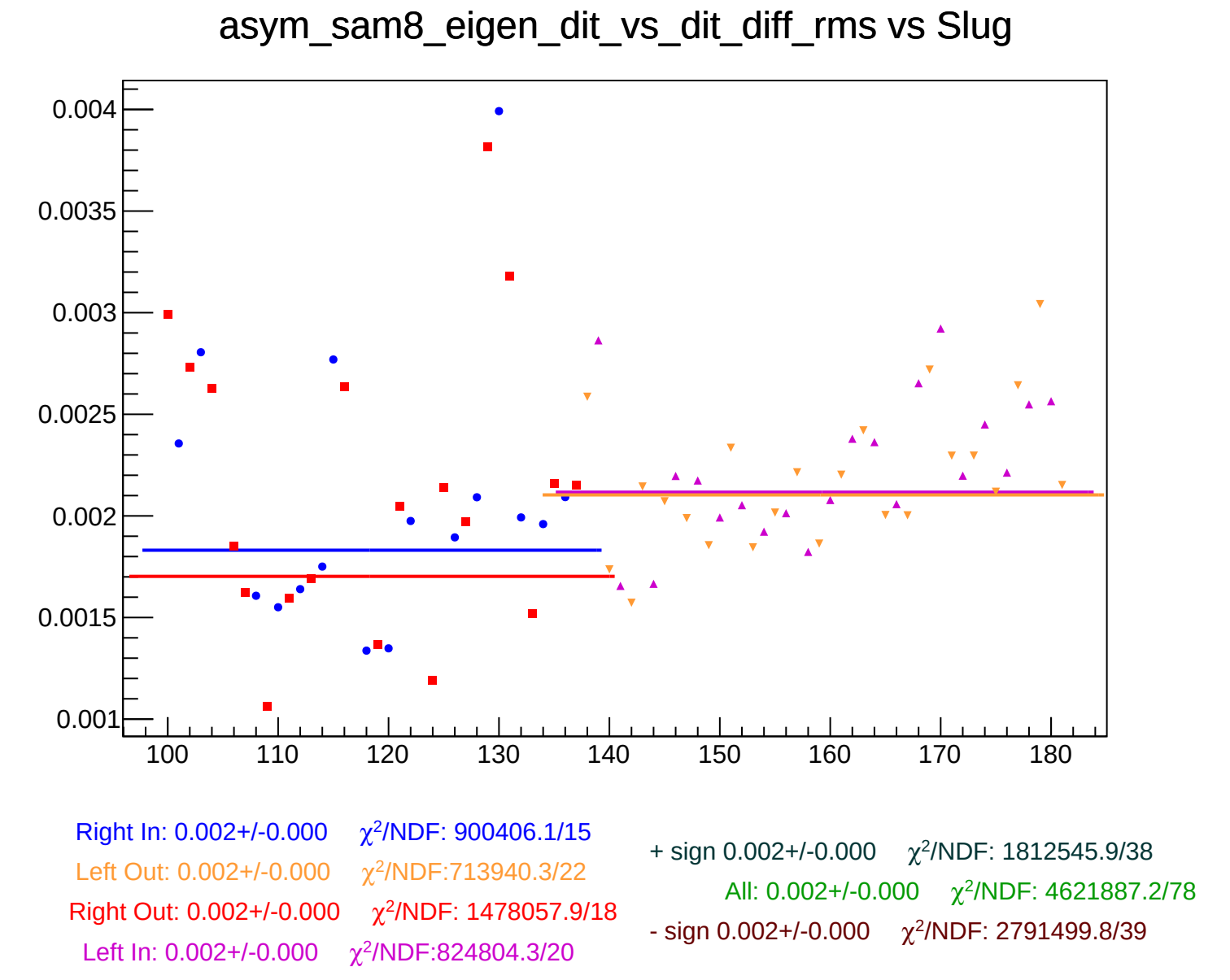
Right Out: 0.000+/-0.000 χ^2/NDF: 18.3/18

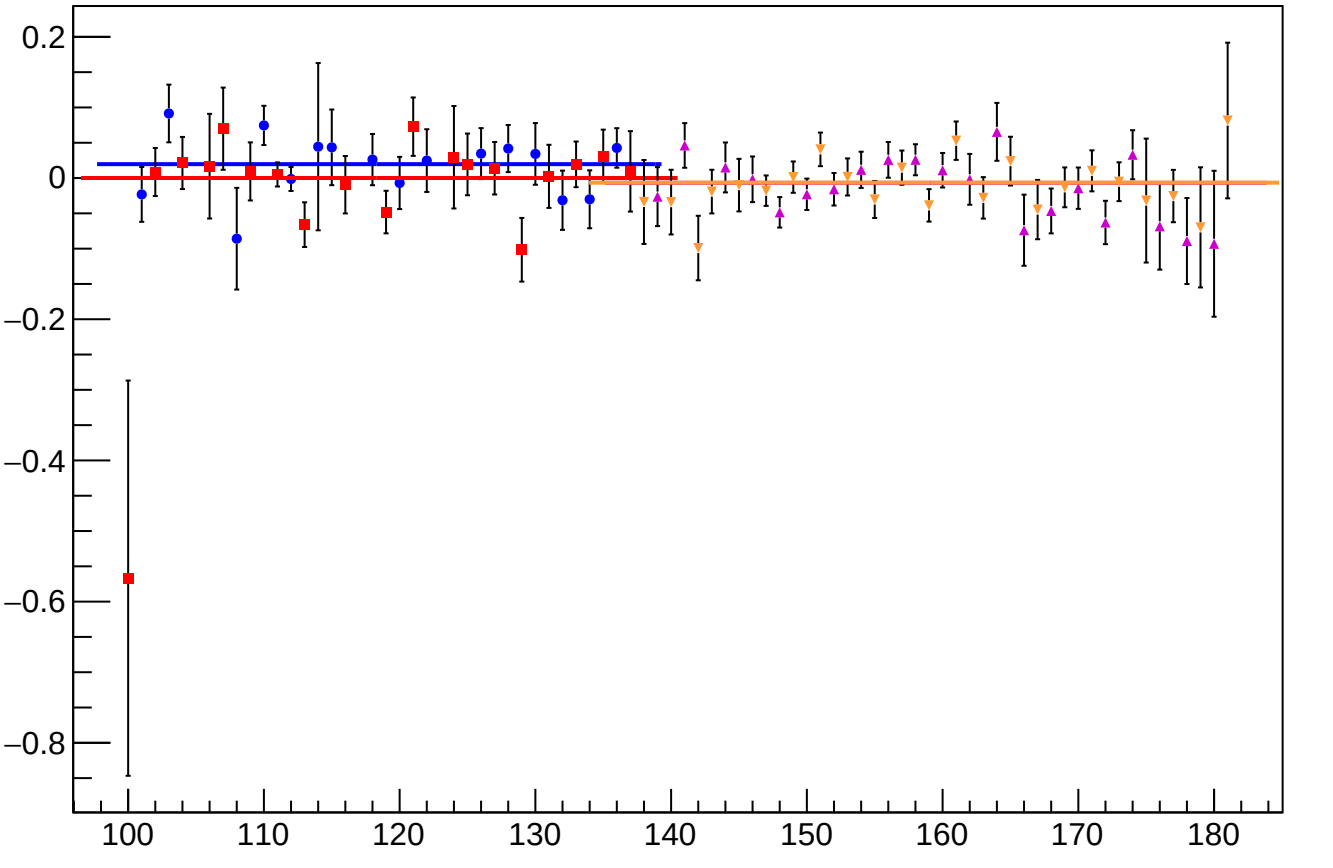
Left In: 0.000+/-0.000 χ^2/NDF:12.6/20

+ sign 0.000+/-0.000 χ^2/NDF: 61.8/38

All: 0.000+/-0.000 χ^2/NDF: 94.4/78

- sign 0.000+/-0.000 χ^2/NDF: 32.3/39


asym_sam8_eigen_dit_vs_dit_diff_rms vs Slug
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: 900406.1/15
Left Out: 0.002+/-0.000 χ²/NDF:713940.3/22
Right Out: 0.002+/-0.000 χ²/NDF: 1478057.9/18
Left In: 0.002+/-0.000 χ²/NDF:824804.3/20
+ sign 0.002+/-0.000 χ²/NDF: 1812545.9/38
All: 0.002+/-0.000 χ²/NDF: 4621887.2/78
- sign 0.002+/-0.000 χ²/NDF: 2791499.8/39



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.007+/-0.006 χ^2/NDF:21.7/22

Right Out: 0.000+/-0.009 χ^2/NDF: 22.8/18

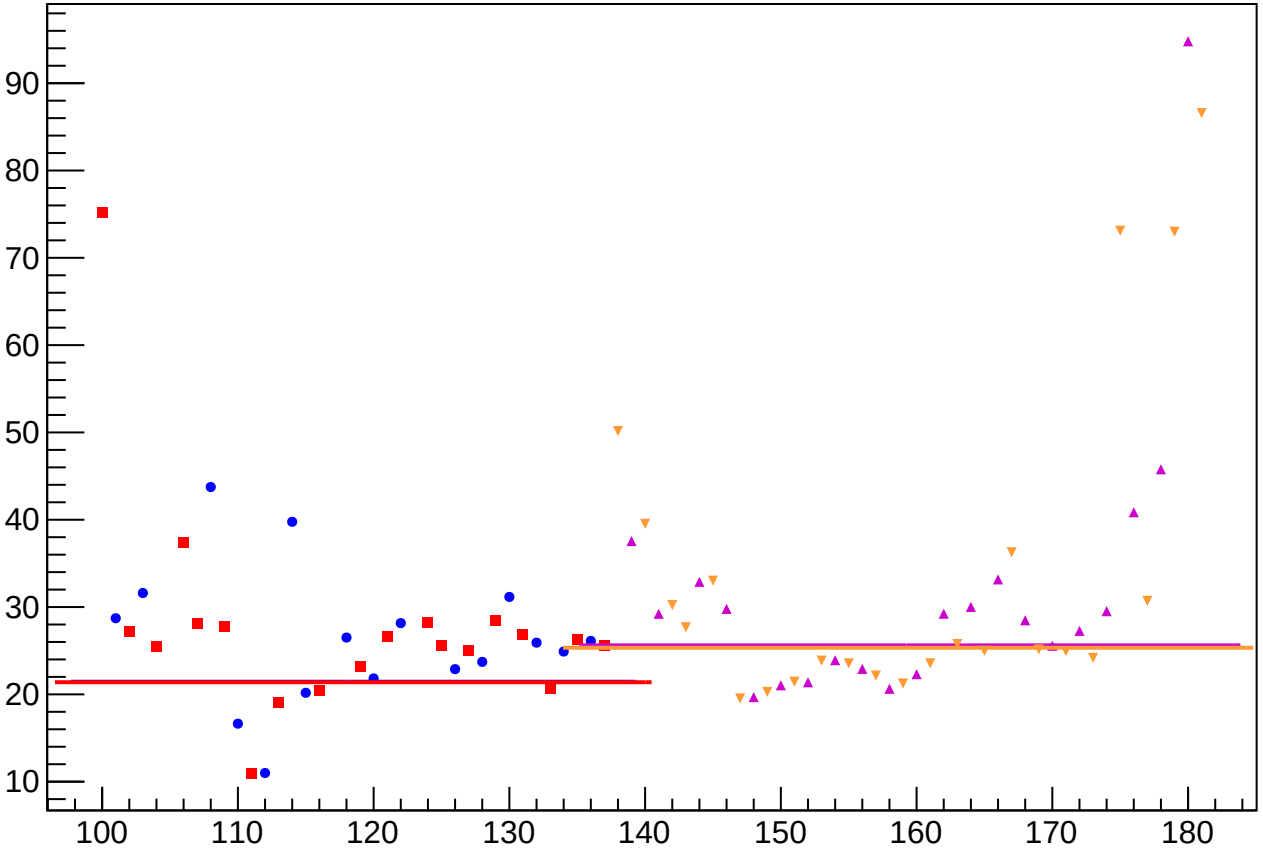
Left In: -0.007+/-0.007 χ^2/NDF:27.5/20

+ sign 0.003+/-0.005 χ^2/NDF: 44.6/38

All: -0.001+/-0.004 χ^2/NDF: 96.3/78

- sign -0.004+/-0.005 χ^2/NDF: 50.8/39

asym_sam8_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 21.443+/-0.006 χ^2/NDF: 1540859.8/15

Left Out: 25.339+/-0.005 χ^2/NDF:3103573.9/22

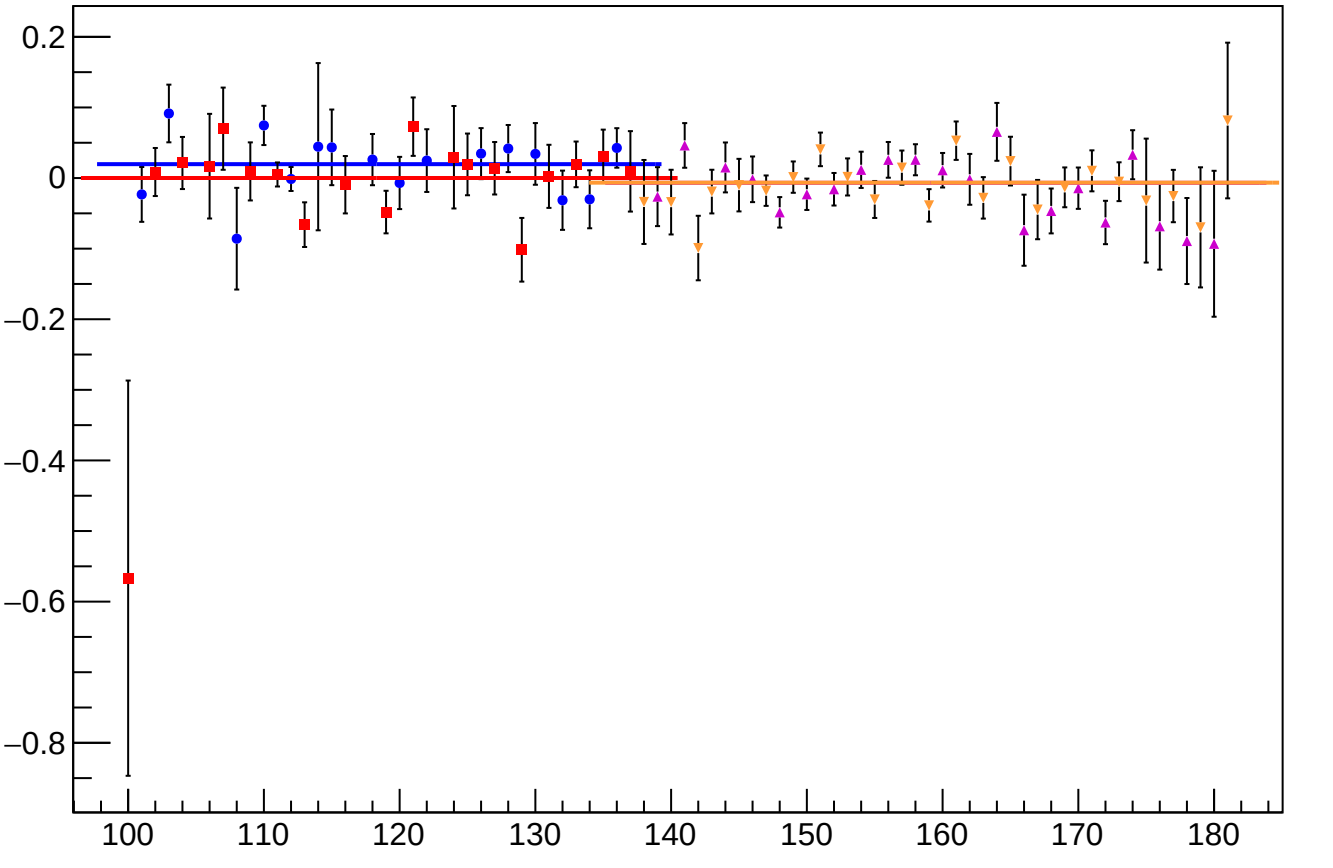
Right Out: 21.389+/-0.006 χ^2/NDF: 1312055.7/18

Left In: 25.609+/-0.005 χ^2/NDF:2154898.4/20

\+ sign 23.961+/-0.004 χ^2/NDF: 4904499.9/38

All: 23.985+/-0.003 χ^2/NDF: 8677232.9/78

\- sign 24.009+/-0.004 χ^2/NDF: 3772646.1/39



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.007+/-0.006 χ^2/NDF:21.7/22

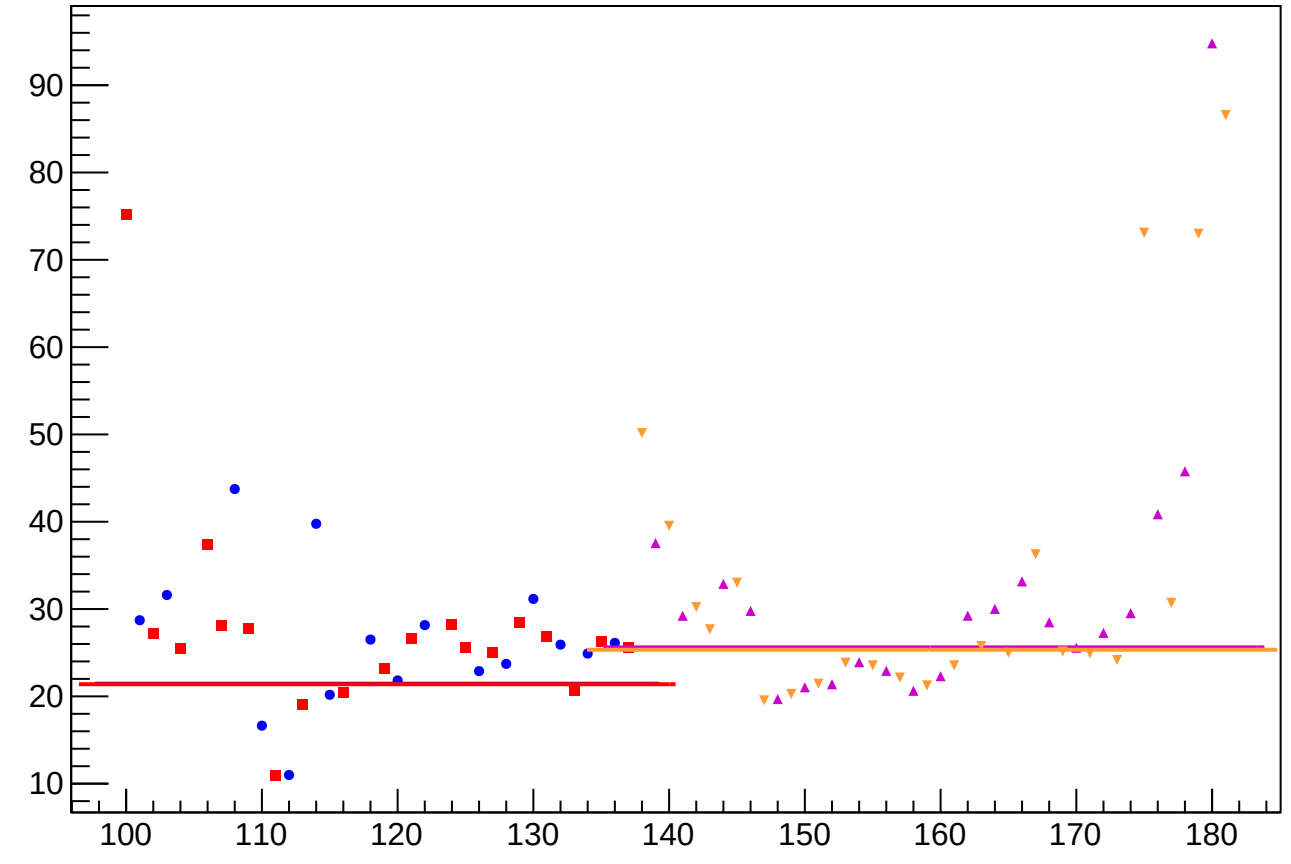
Right Out: 0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: -0.007+/-0.007 χ^2/NDF:27.5/20

+ sign 0.003+/-0.005 χ^2/NDF: 44.6/38

All: -0.001+/-0.004 χ^2/NDF: 96.3/78

- sign -0.004+/-0.005 χ^2/NDF: 50.8/39



Right In: 21.443+/-0.006 χ^2/NDF: 1540859.8/15

Left Out: 25.339+/-0.005 χ^2/NDF:3103573.9/22

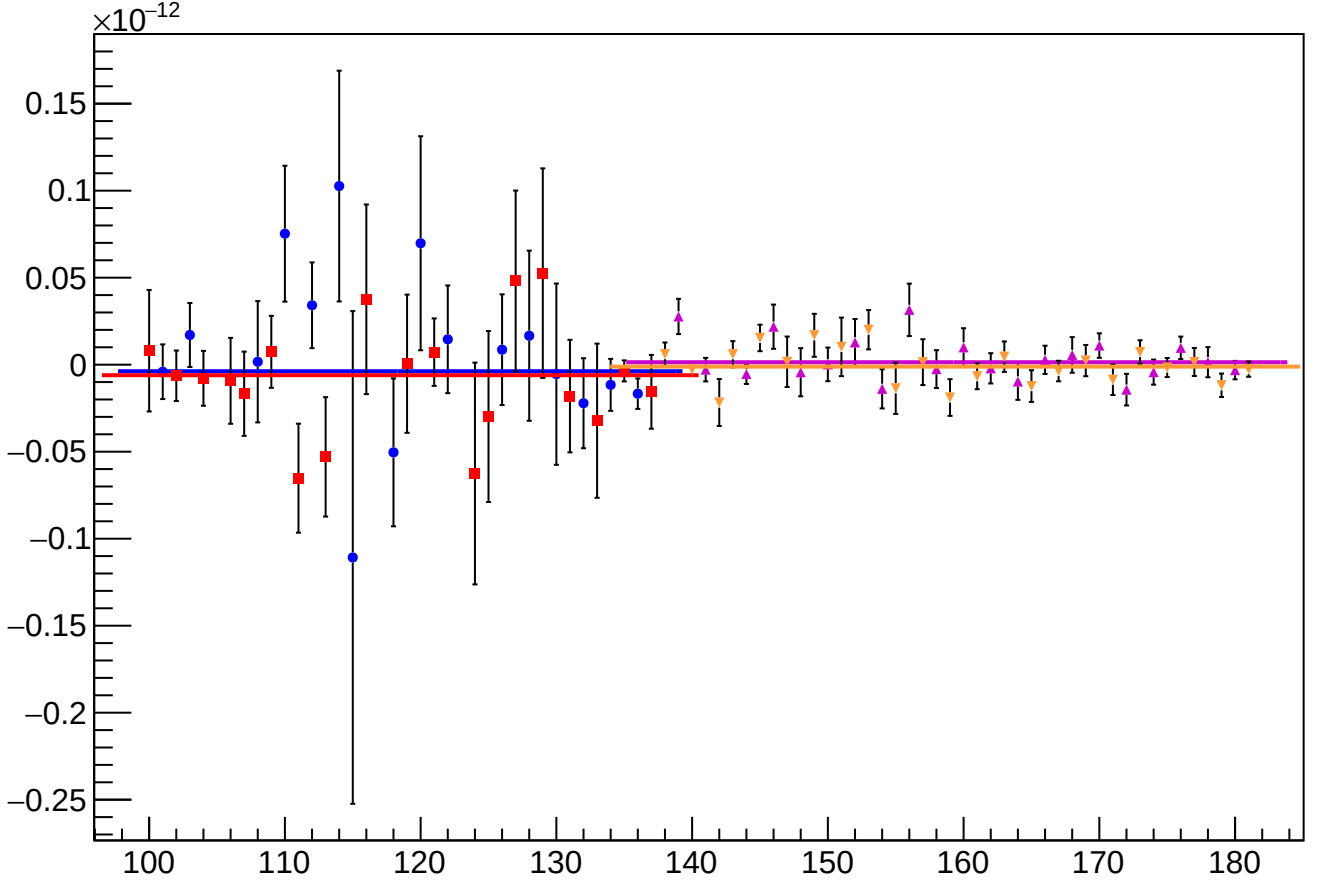
Right Out: 21.389+/-0.006 χ^2/NDF: 1312055.7/18

Left In: 25.609+/-0.005 χ^2/NDF:2154898.4/20

+ sign 23.961+/-0.004 χ^2/NDF: 4904499.9/38

All: 23.985+/-0.003 χ^2/NDF: 8677232.9/78

- sign 24.009+/-0.004 χ^2/NDF: 3772646.1/39



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:27.0/22

Right Out: -0.000+/-0.000 χ^2/NDF: 11.3/18

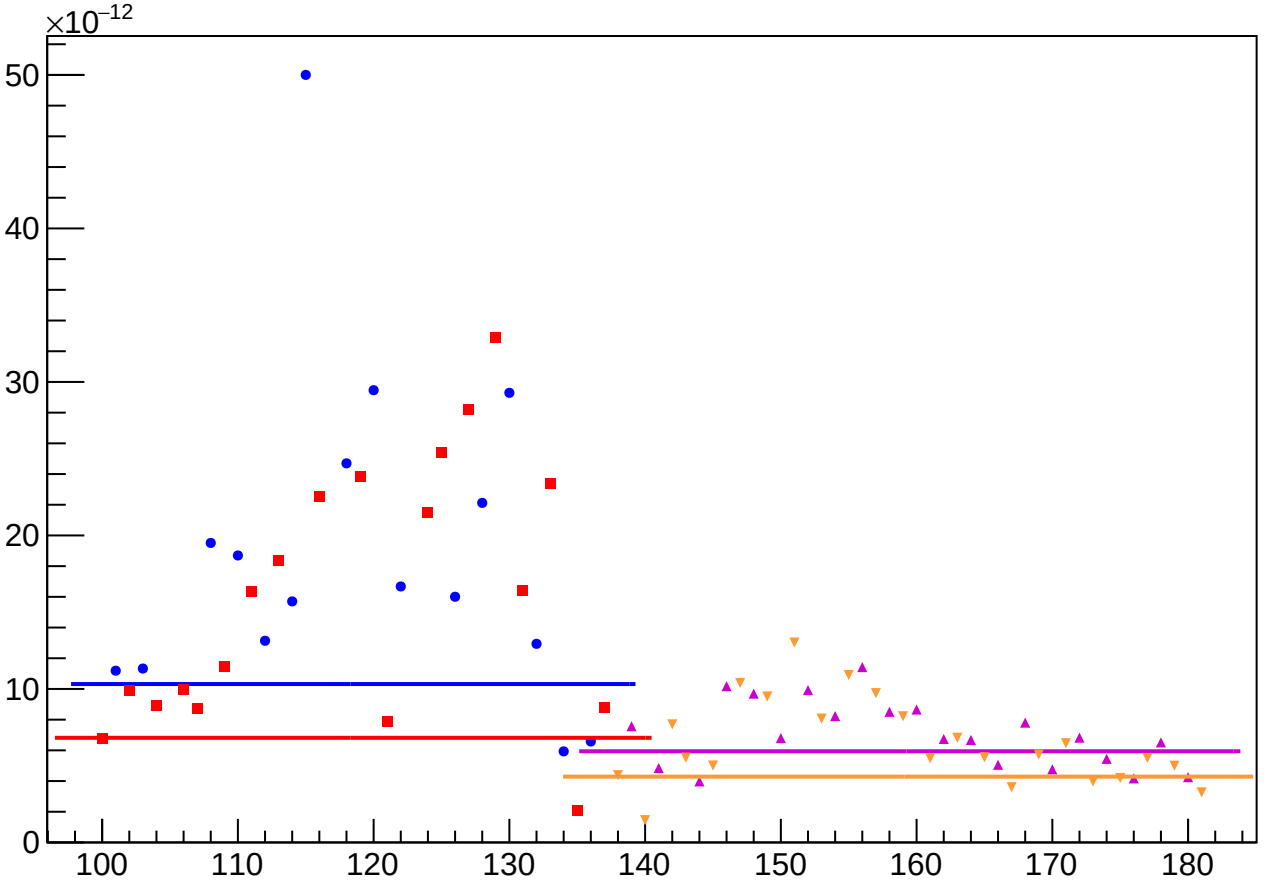
Left In: 0.000+/-0.000 χ^2/NDF:27.9/20

+ sign -0.000+/-0.000 χ^2/NDF: 44.4/38

All: -0.000+/-0.000 χ^2/NDF: 86.5/78

- sign 0.000+/-0.000 χ^2/NDF: 41.7/39

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:5277554.3/22

Right Out: 0.000+/-0.000 χ^2/NDF: 4021812.9/18

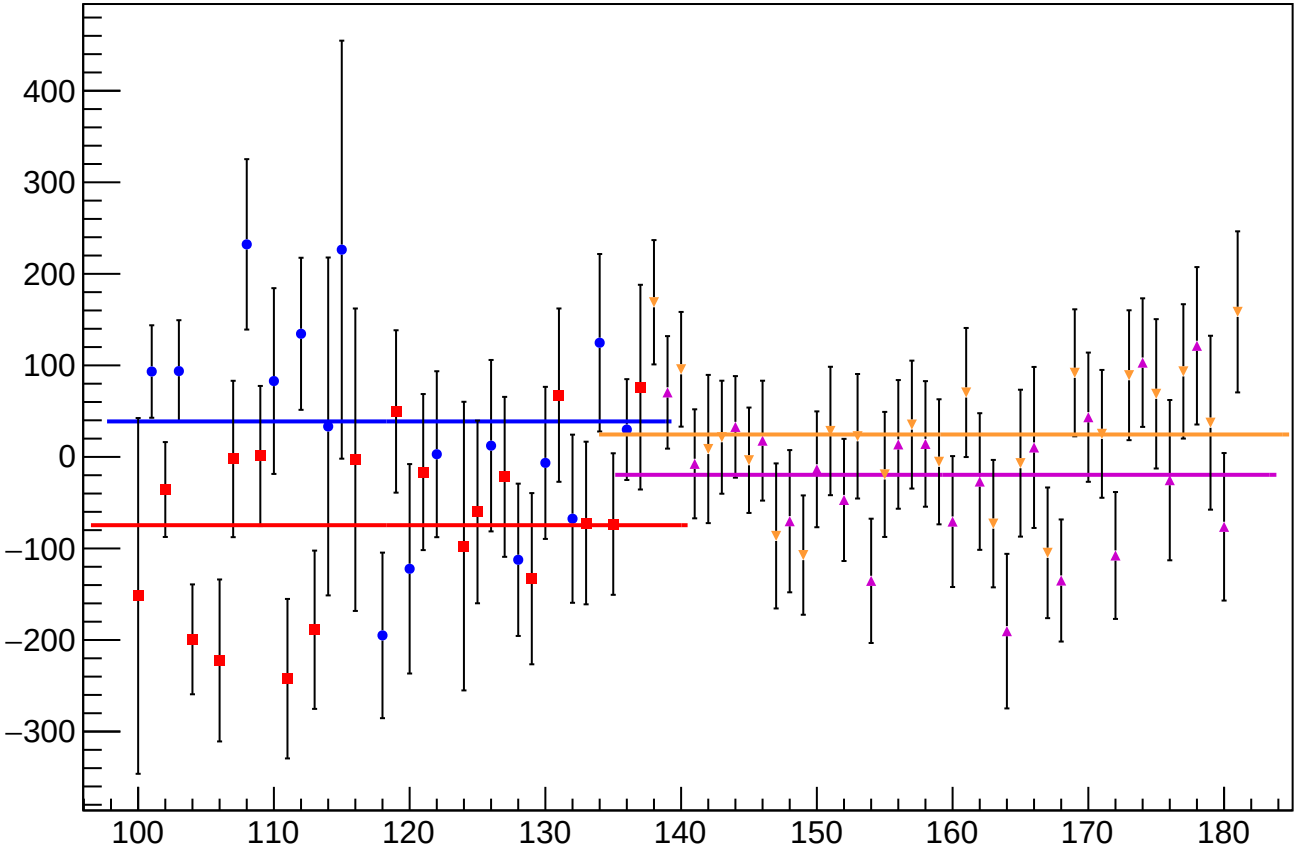
Left In: 0.000+/-0.000 χ^2/NDF:2044935.1/20

+ sign 0.000+/-0.000 χ^2/NDF: 9476838.2/38

All: 0.000+/-0.000 χ^2/NDF: 16399011.7/78

- sign 0.000+/-0.000 χ^2/NDF: 6135771.0/39

reg_asym_sam_15_avg_mean vs Slug



Right In: 38.782+/-20.413 χ^2/NDF: 23.3/15

Left Out: 24.514+/-14.773 χ^2/NDF:23.9/22

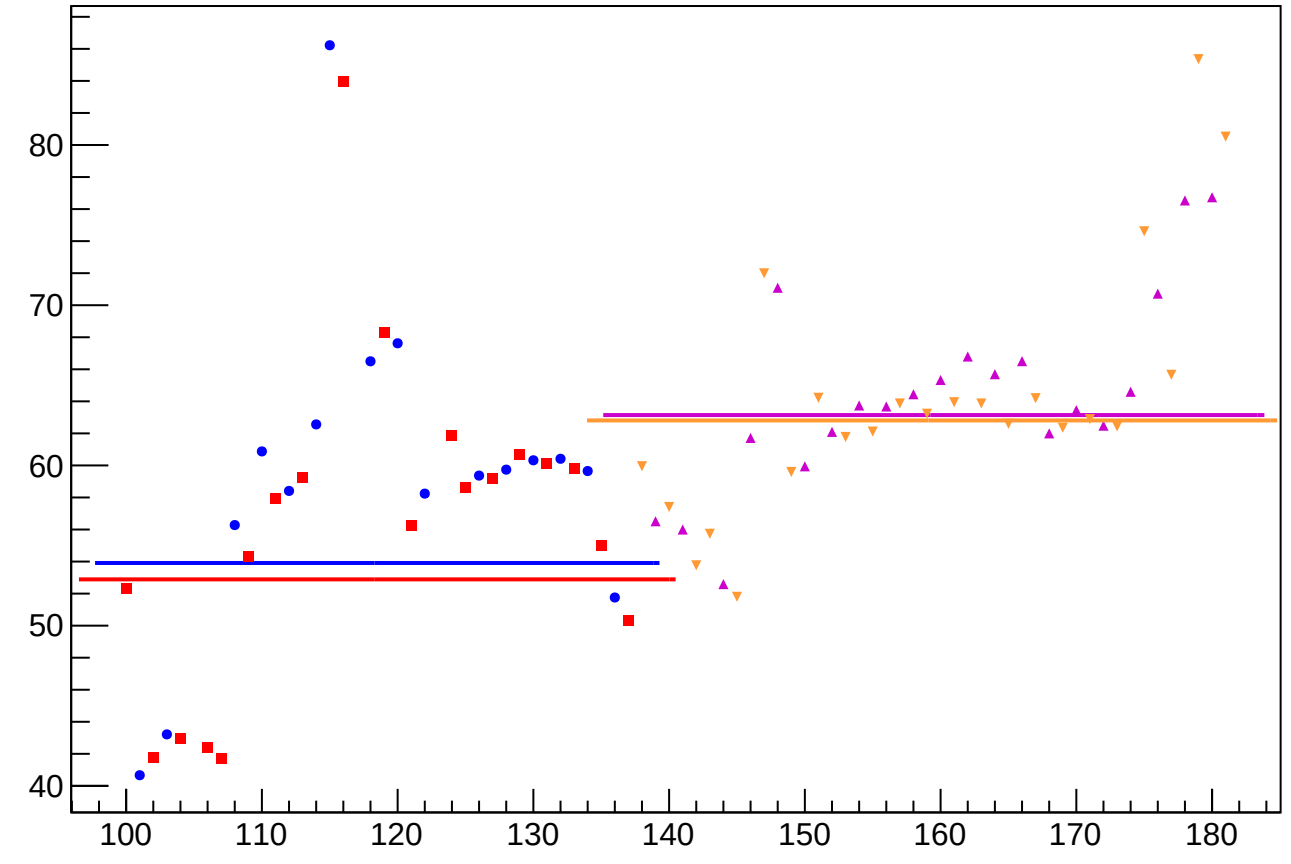
Right Out: -74.578+/-19.802 χ^2/NDF: 22.5/18

Left In: -19.547+/-15.290 χ^2/NDF:23.8/20

+ sign 29.418+/-11.967 χ^2/NDF: 47.5/38

All: -4.953+/-8.510 χ^2/NDF: 115.2/78

- sign -40.103+/-12.102 χ^2/NDF: 51.0/39



Right In: 53.912+/-0.014 χ^2/NDF: 393261.4/15

Left Out: 62.808+/-0.010 χ^2/NDF:417072.2/22

Right Out: 52.889+/-0.014 χ^2/NDF: 425226.7/18

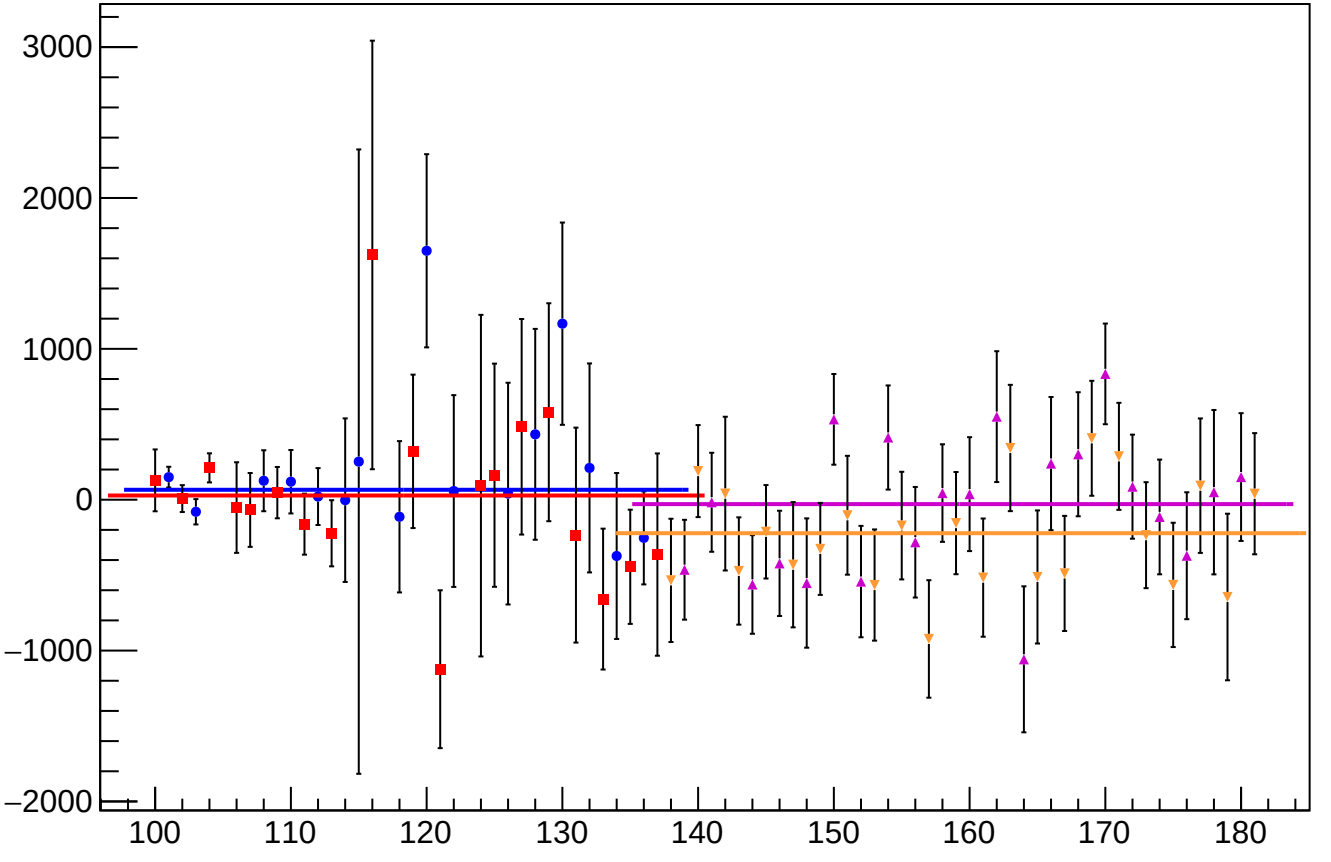
Left In: 63.144+/-0.011 χ^2/NDF:286356.5/20

+ sign 59.751+/-0.008 χ^2/NDF: 1059627.6/38

All: 59.534+/-0.006 χ^2/NDF: 2108580.8/78

- sign 59.313+/-0.009 χ^2/NDF: 1047633.2/39

asym_sam_15_avg_reg_correction_mean vs Slug



Right In: 65.853+/-46.478 χ^2/NDF: 15.7/15

Left Out: -221.918+/-79.047 χ^2/NDF:18.1/22

Right Out: 27.850+/-50.291 χ^2/NDF: 18.0/18

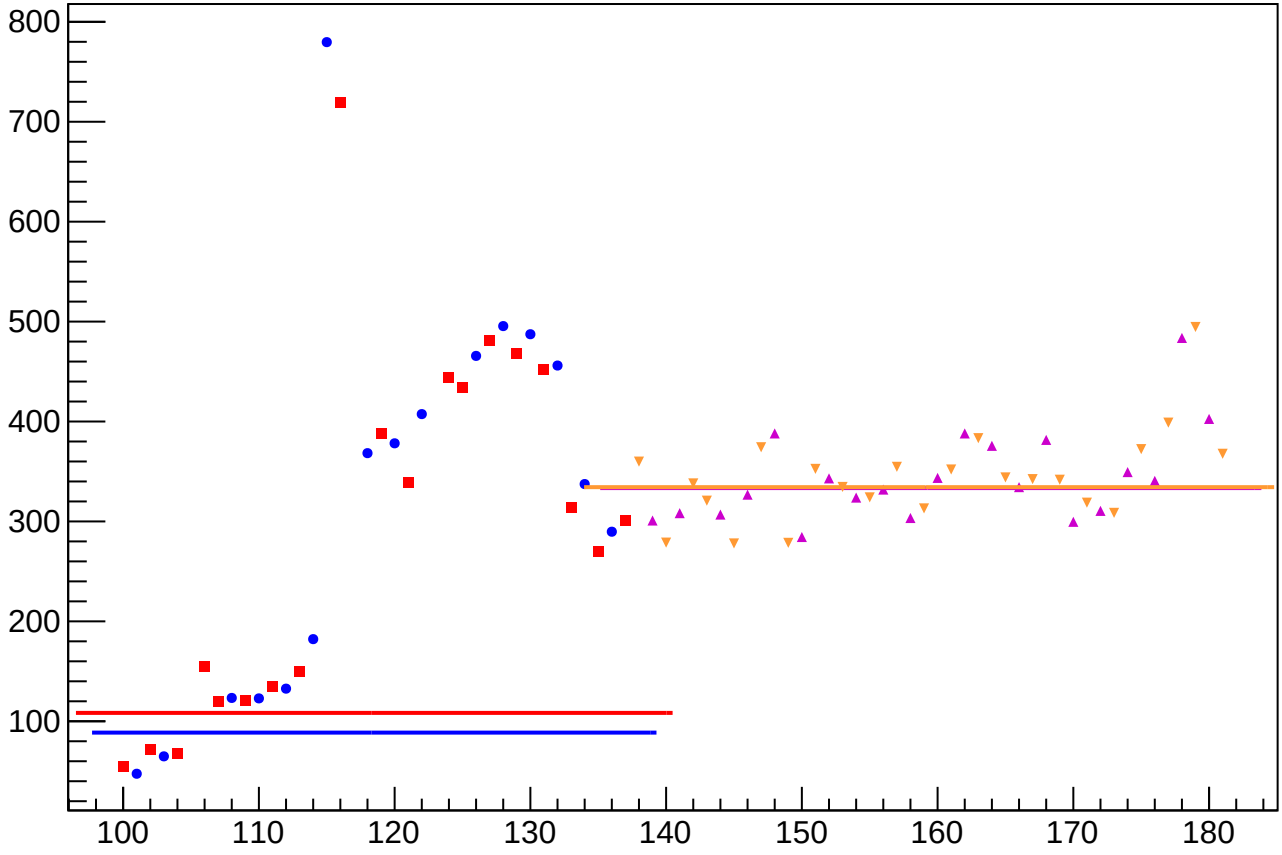
Left In: -29.170+/-81.158 χ^2/NDF:29.8/20

+ sign -8.078+/-40.066 χ^2/NDF: 43.7/38

All: 1.325+/-29.233 χ^2/NDF: 91.9/78

- sign 12.030+/-42.749 χ^2/NDF: 48.2/39

asym_sam_15_avg_reg_correction_rms vs Slug



Right In: 88.658+/-0.033 χ^2/NDF: 6648055.6/15

Left Out: 334.299+/-0.056 χ^2/NDF:537984.5/22

Right Out: 108.385+/-0.036 χ^2/NDF: 5362841.6/18

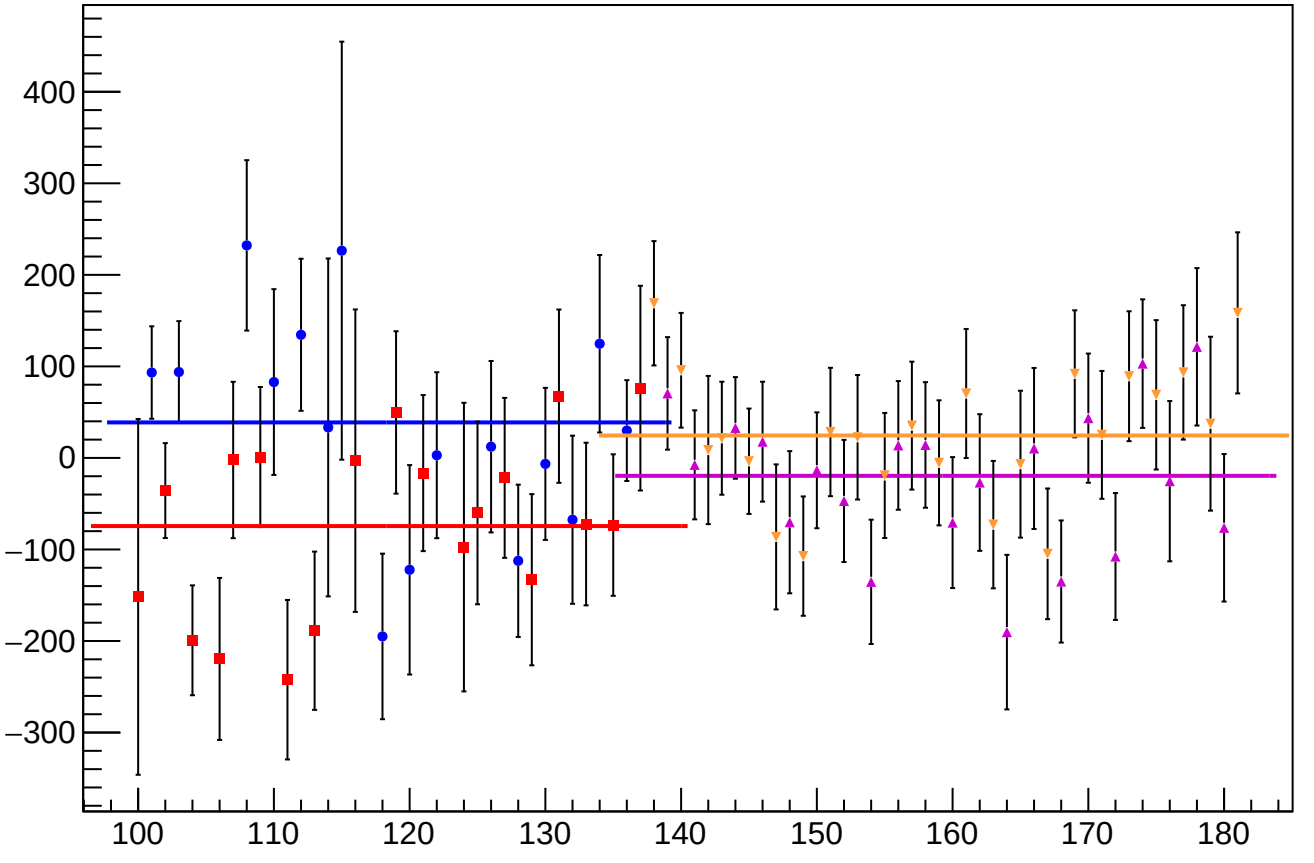
Left In: 333.380+/-0.057 χ^2/NDF:465494.6/20

+ sign 151.765+/-0.028 χ^2/NDF: 21537877.1/38

All: 160.671+/-0.021 χ^2/NDF: 38683973.9/78

- sign 170.810+/-0.030 χ^2/NDF: 16934770.7/39

cor_asym_sam_15_avg_mean vs Slug



Right In: 38.794+/-20.413 χ^2/NDF: 23.3/15

Left Out: 24.516+/-14.773 χ^2/NDF:23.9/22

Right Out: -74.442+/-19.803 χ^2/NDF: 22.3/18

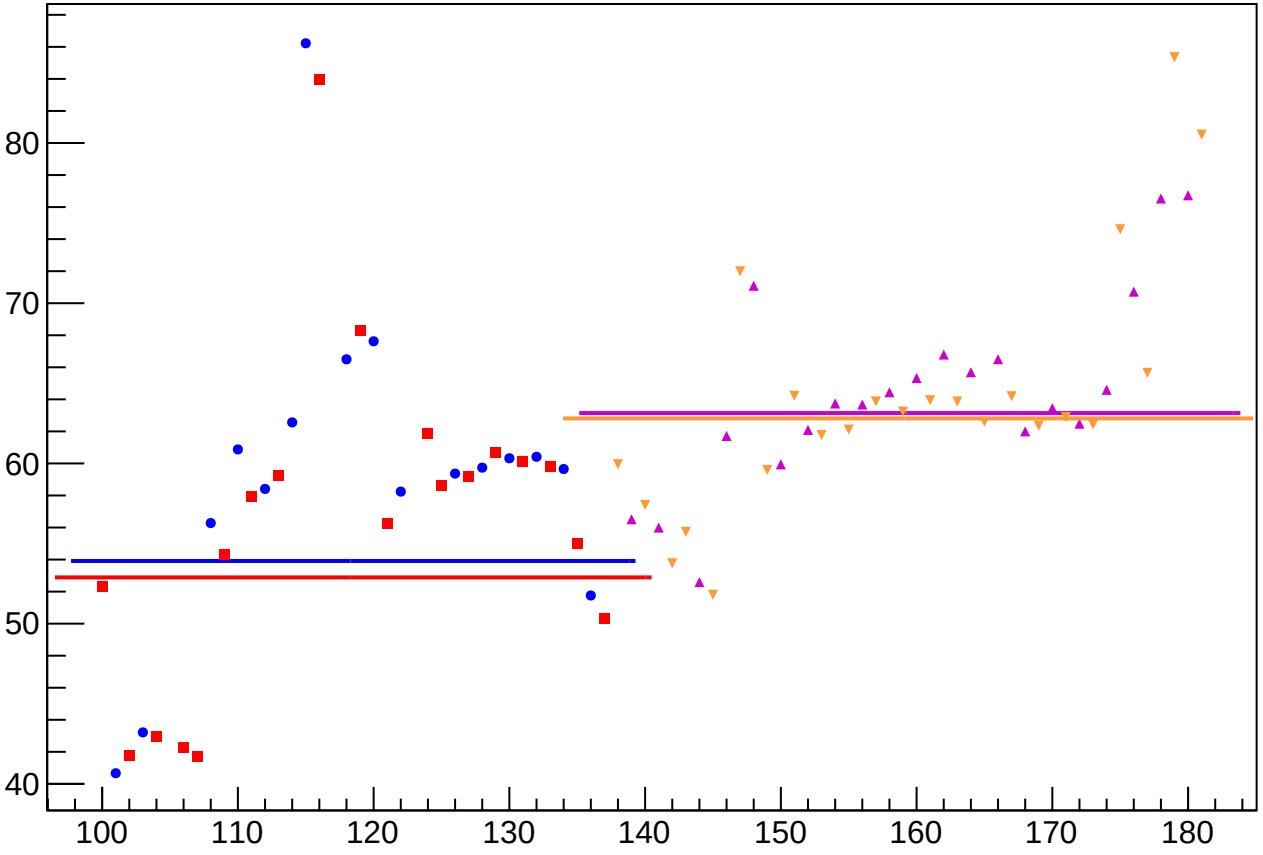
Left In: -19.547+/-15.290 χ^2/NDF:23.8/20

+ sign 29.423+/-11.967 χ^2/NDF: 47.5/38

All: -4.924+/-8.510 χ^2/NDF: 115.1/78

- sign -40.050+/-12.103 χ^2/NDF: 50.9/39

cor_asym_sam_15_avg_rms vs Slug



Right In: 53.912+/-0.014 χ^2/NDF: 393260.8/15

Left Out: 62.808+/-0.010 χ^2/NDF:417072.2/22

Right Out: 52.887+/-0.014 χ^2/NDF: 425534.3/18

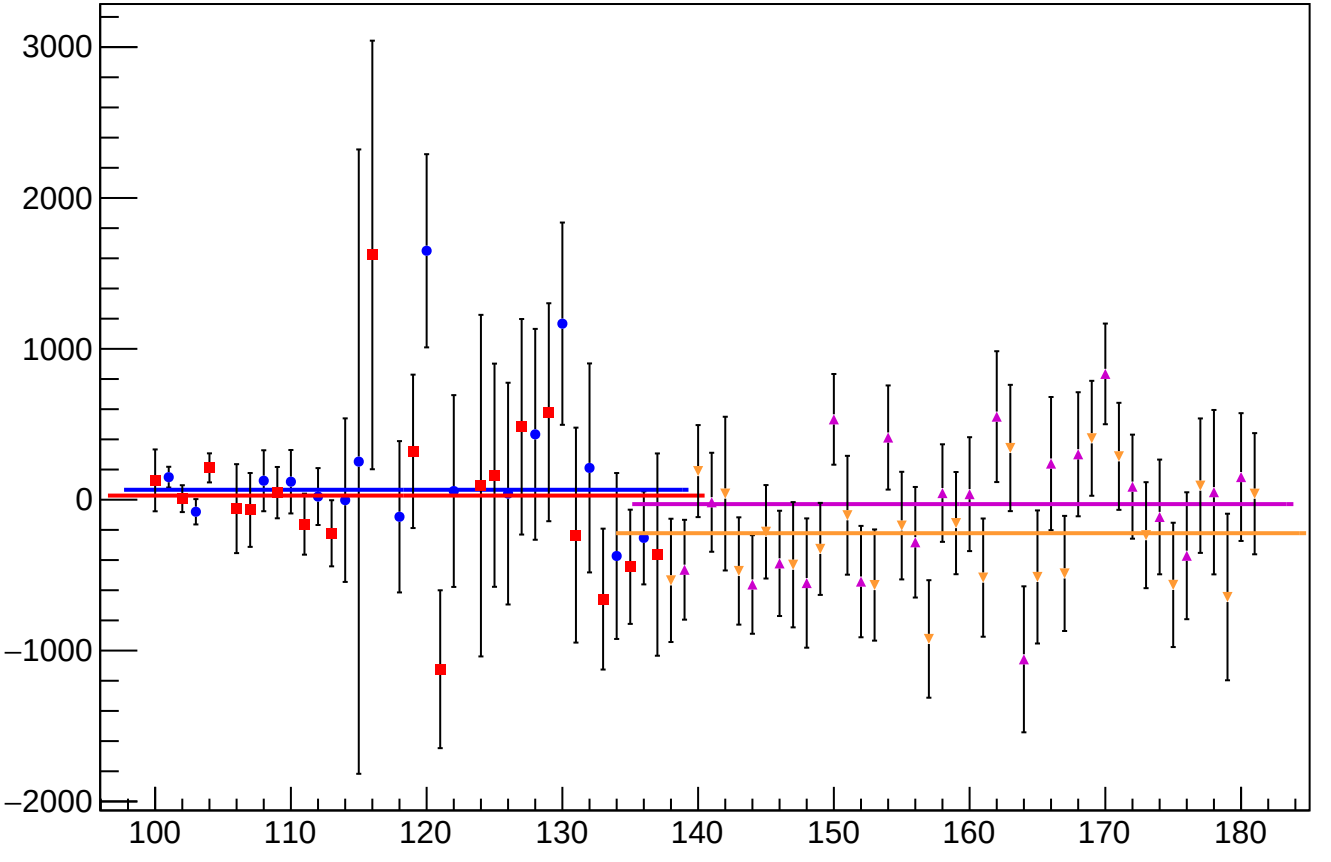
Left In: 63.144+/-0.011 χ^2/NDF:286356.5/20

+ sign 59.751+/-0.008 χ^2/NDF: 1059626.6/38

All: 59.534+/-0.006 χ^2/NDF: 2109007.7/78

- sign 59.313+/-0.009 χ^2/NDF: 1048058.2/39

asym_sam_15_avg_cor_correction_mean vs Slug



Right In: 65.857+/-46.477 χ^2/NDF: 15.7/15

Left Out: -221.916+/-79.047 χ^2/NDF:18.1/22

Right Out: 27.406+/-50.249 χ^2/NDF: 18.0/18

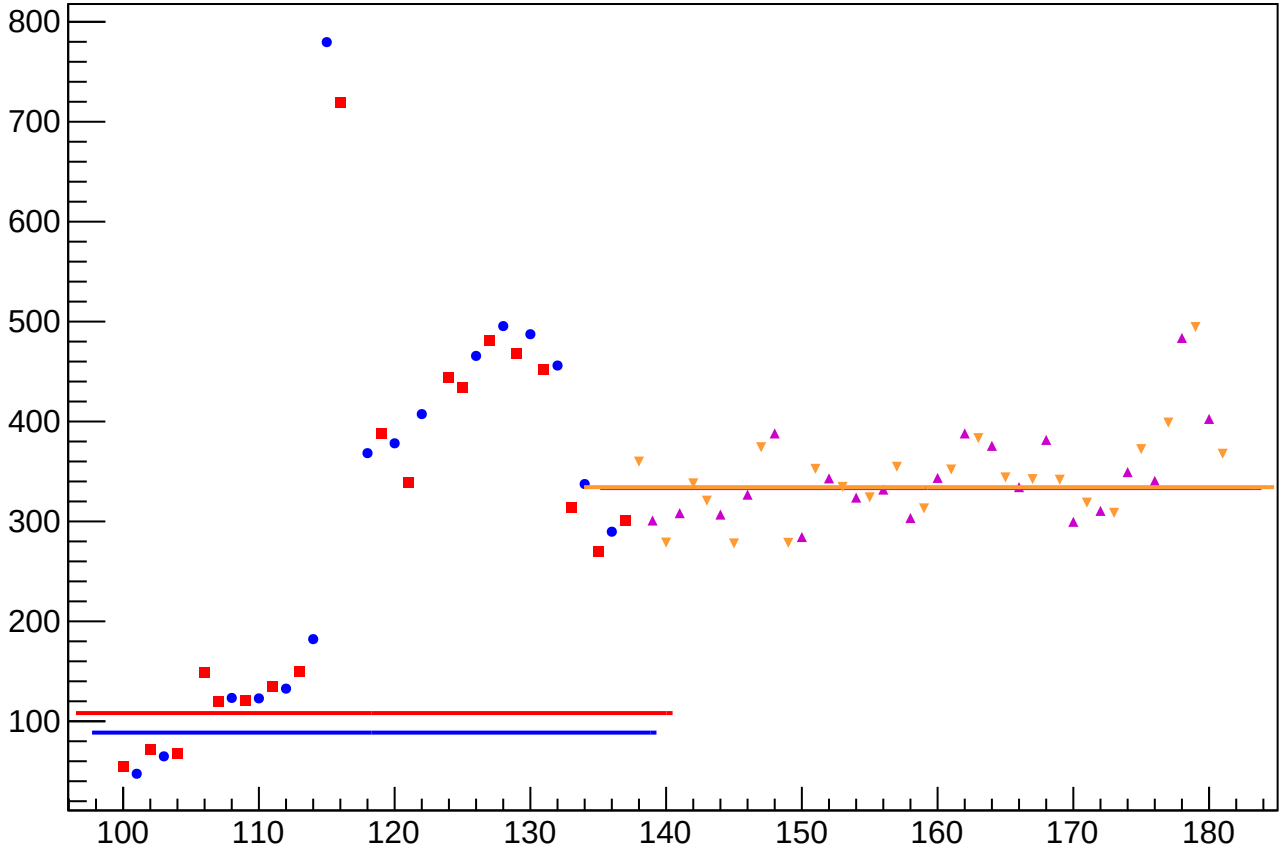
Left In: -29.167+/-81.158 χ^2/NDF:29.8/20

+ sign -8.072+/-40.065 χ^2/NDF: 43.7/38

All: 1.193+/-29.225 χ^2/NDF: 91.9/78

- sign 11.729+/-42.723 χ^2/NDF: 48.2/39

asym_sam_15_avg_cor_correction_rms vs Slug



Right In: 88.655+/-0.033 χ^2/NDF: 6648135.5/15

Left Out: 334.299+/-0.056 χ^2/NDF:537981.2/22

Right Out: 108.207+/-0.036 χ^2/NDF: 5354864.8/18

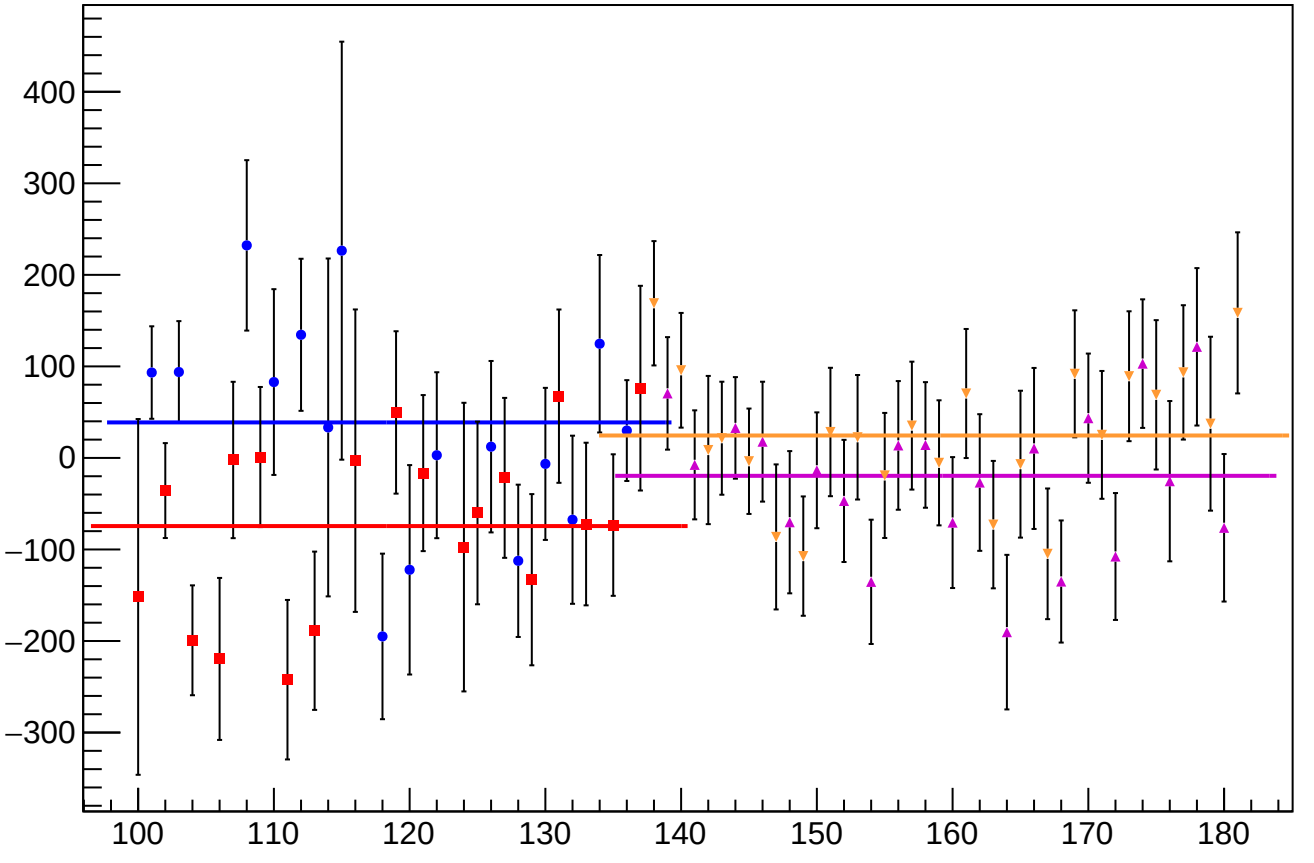
Left In: 333.379+/-0.057 χ^2/NDF:465500.0/20

+ sign 151.761+/-0.028 χ^2/NDF: 21538418.3/38

All: 160.579+/-0.021 χ^2/NDF: 38695100.8/78

- sign 170.604+/-0.030 χ^2/NDF: 16949674.0/39

eigen_cor_asym_sam_15_avg_mean vs Slug



Right In: 38.794+/-20.413 χ^2/NDF: 23.3/15

Left Out: 24.516+/-14.773 χ^2/NDF:23.9/22

Right Out: -74.442+/-19.803 χ^2/NDF: 22.3/18

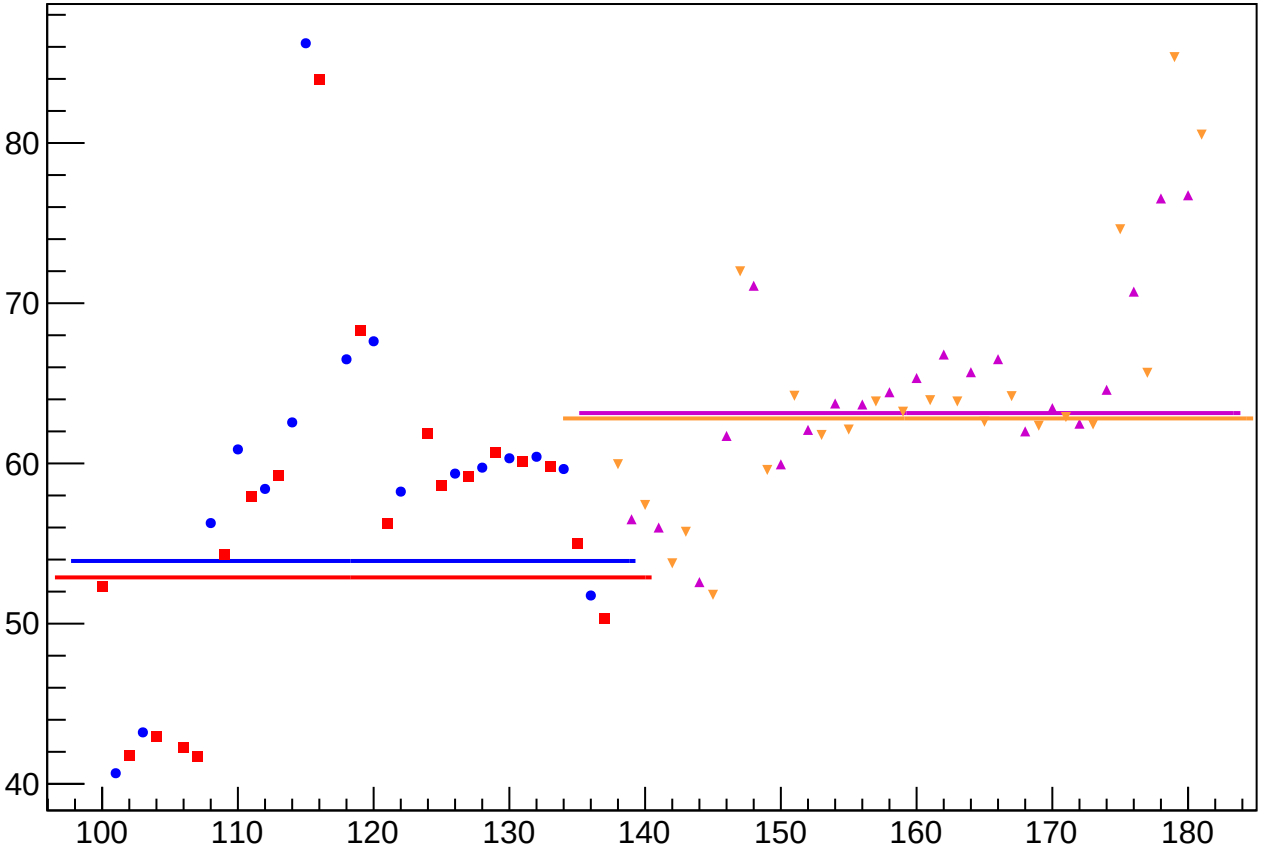
Left In: -19.547+/-15.290 χ^2/NDF:23.8/20

+ sign 29.423+/-11.967 χ^2/NDF: 47.5/38

All: -4.924+/-8.510 χ^2/NDF: 115.1/78

- sign -40.050+/-12.103 χ^2/NDF: 50.9/39

eigen_cor_asym_sam_15_avg_rms vs Slug



Right In: 53.912+/-0.014 χ^2/NDF: 393260.8/15

Left Out: 62.808+/-0.010 χ^2/NDF:417072.2/22

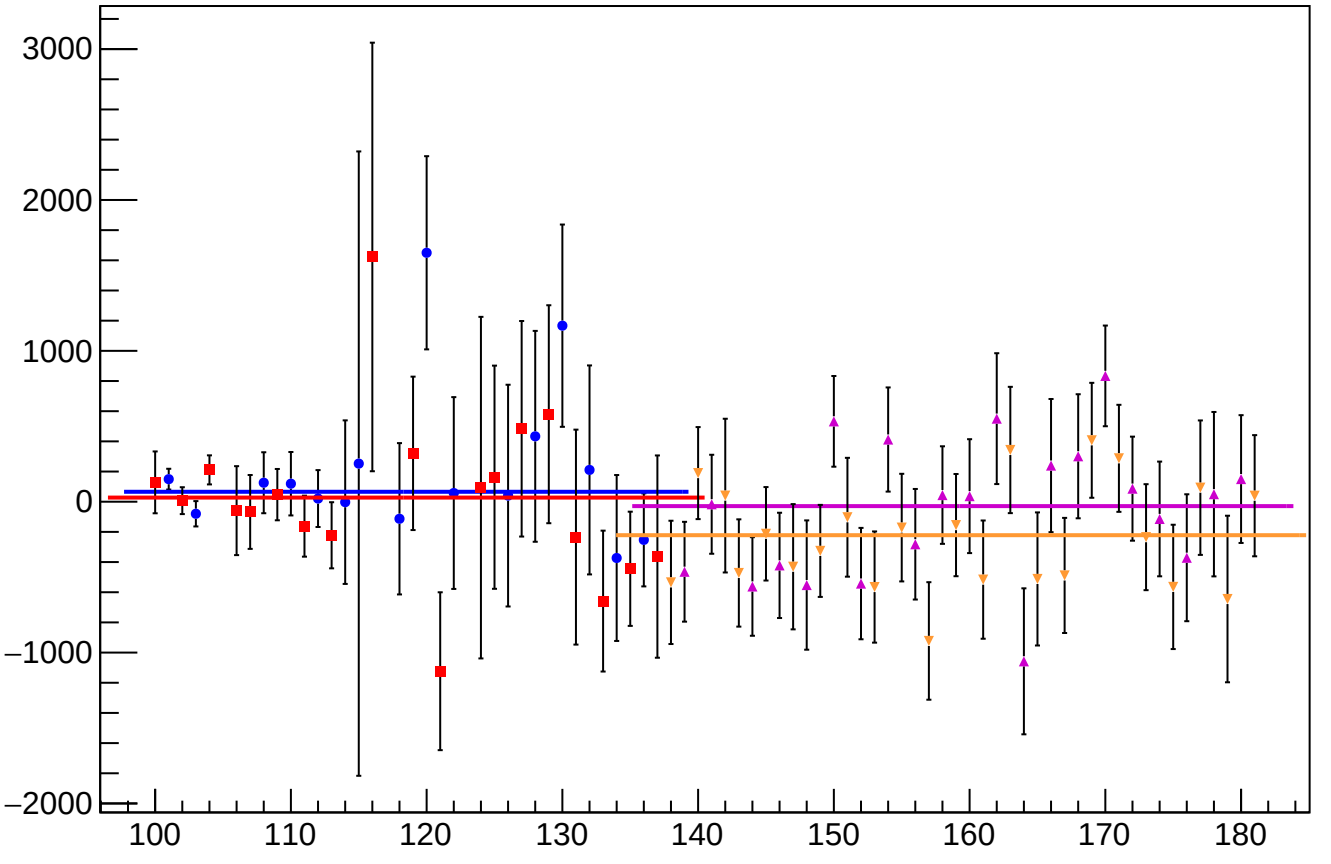
Right Out: 52.887+/-0.014 χ^2/NDF: 425534.3/18

Left In: 63.144+/-0.011 χ^2/NDF:286356.5/20

+ sign 59.751+/-0.008 χ^2/NDF: 1059626.6/38

All: 59.534+/-0.006 χ^2/NDF: 2109007.7/78

- sign 59.313+/-0.009 χ^2/NDF: 1048058.2/39



Right In: 65.857+/-46.477 χ^2/NDF: 15.7/15

Left Out: -221.916+/-79.047 χ^2/NDF:18.1/22

Right Out: 27.406+/-50.249 χ^2/NDF: 18.0/18

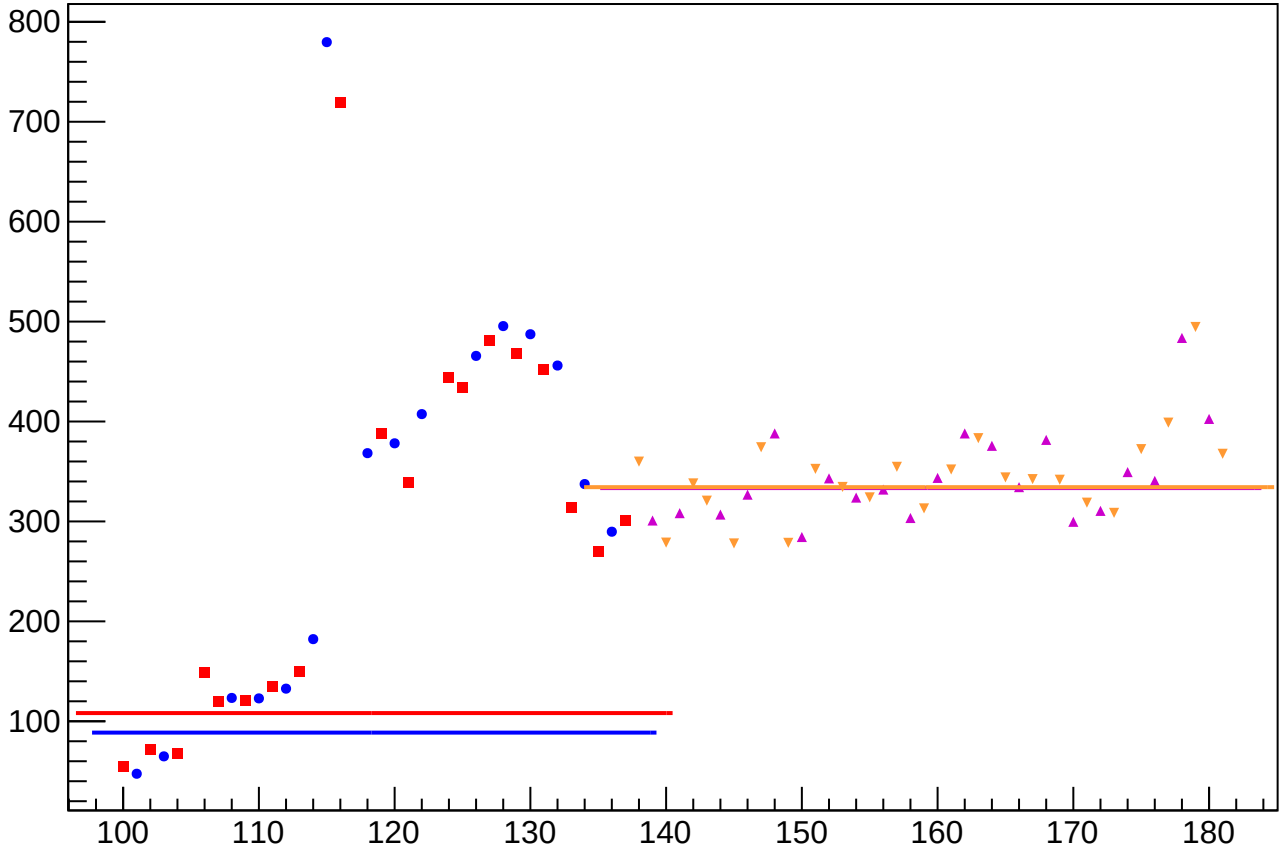
Left In: -29.167+/-81.158 χ^2/NDF:29.8/20

+ sign -8.072+/-40.065 χ^2/NDF: 43.7/38

All: 1.193+/-29.225 χ^2/NDF: 91.9/78

- sign 11.729+/-42.723 χ^2/NDF: 48.2/39

asym_sam_15_avg_eigen_cor_correction_rms vs Slug



Right In: 88.655+/-0.033 χ^2/NDF: 6648135.5/15

Left Out: 334.299+/-0.056 χ^2/NDF:537981.2/22

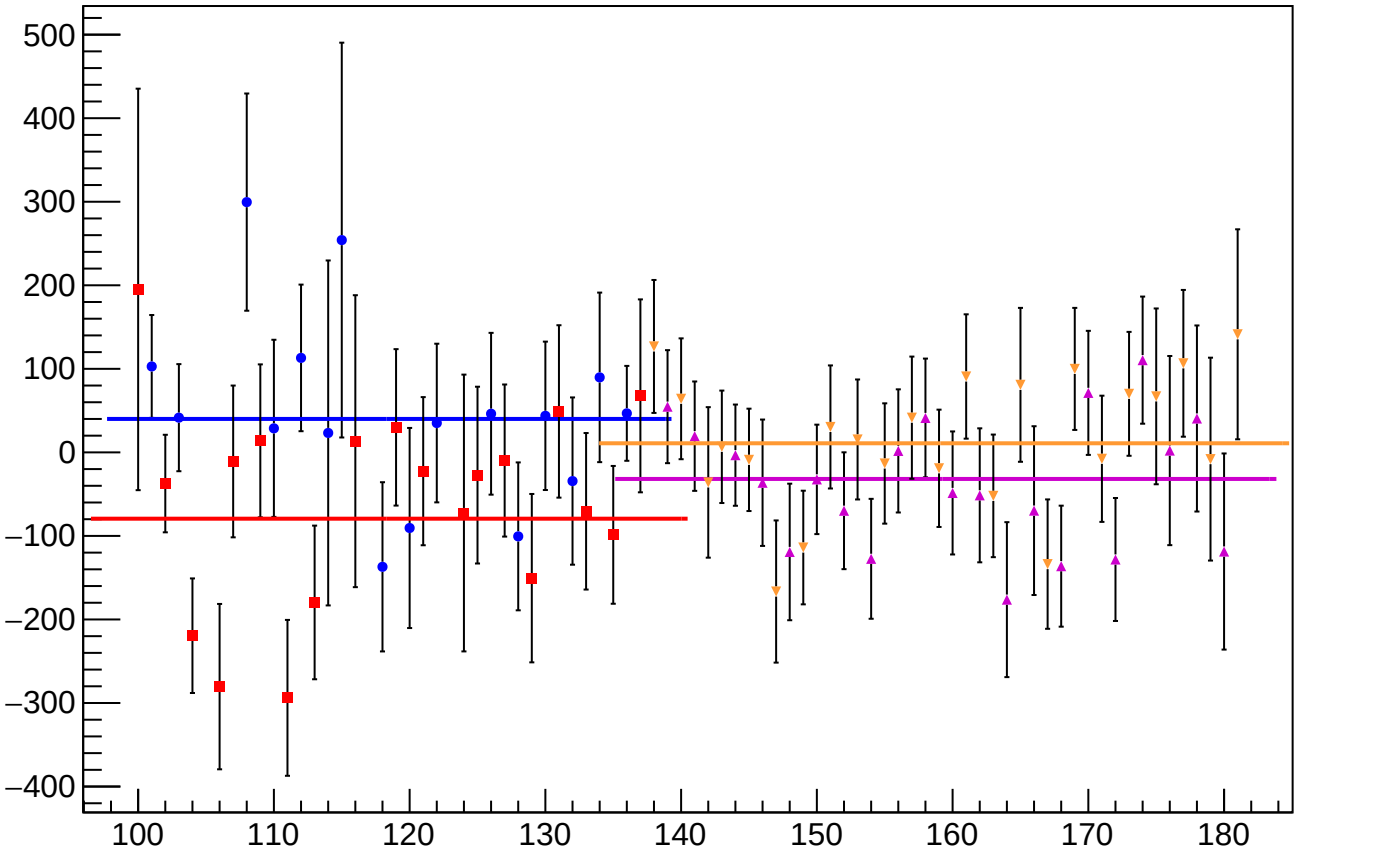
Right Out: 108.207+/-0.036 χ^2/NDF: 5354864.8/18

Left In: 333.379+/-0.057 χ^2/NDF:465500.0/20

+ sign 151.761+/-0.028 χ^2/NDF: 21538418.3/38

All: 160.579+/-0.021 χ^2/NDF: 38695100.8/78

- sign 170.604+/-0.030 χ^2/NDF: 16949674.0/39



Right In: 40.030+/-22.515 χ^2/NDF: 14.1/15

Left Out: 10.884+/-16.177 χ^2/NDF:22.0/22

Right Out: -79.378+/-21.577 χ^2/NDF: 24.8/18

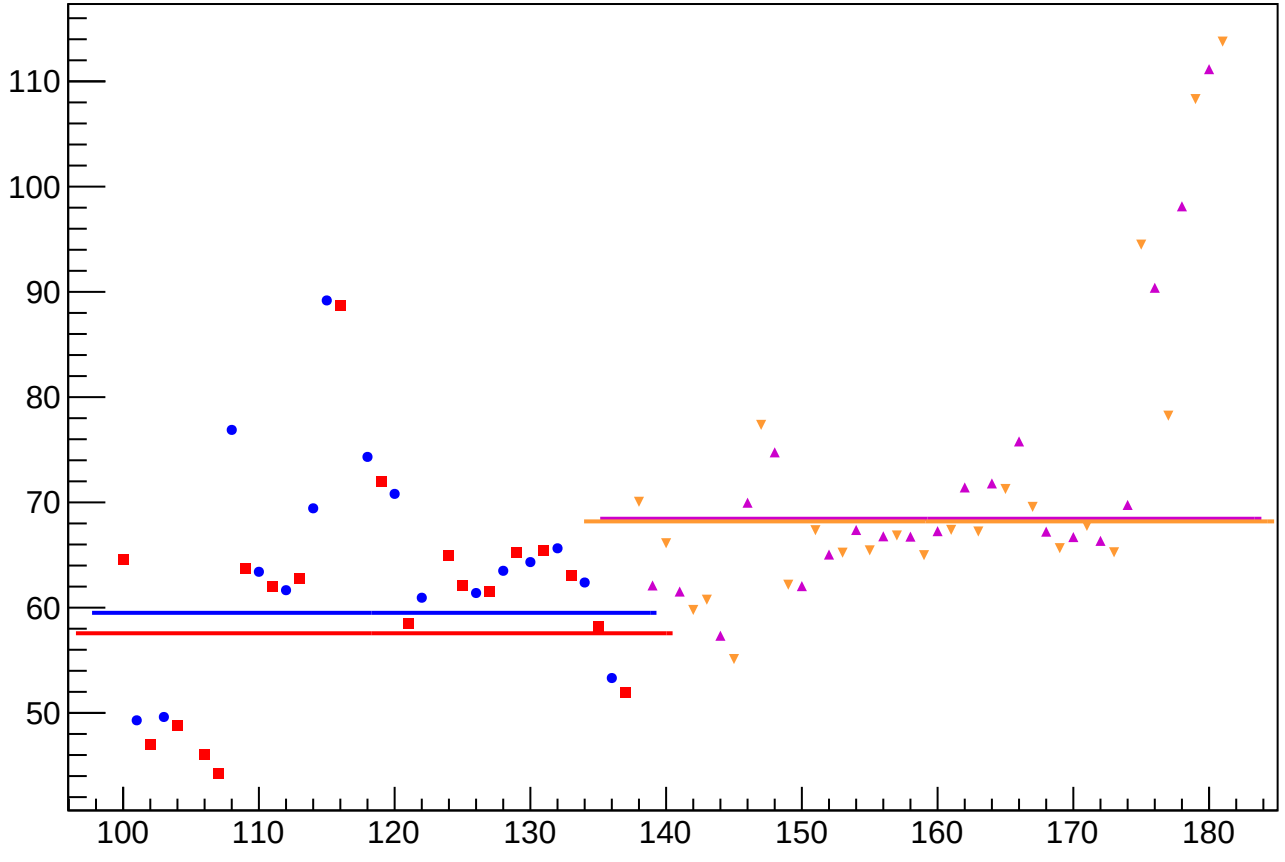
Left In: -31.809+/-16.719 χ^2/NDF:19.9/20

+ sign 20.808+/-13.137 χ^2/NDF: 37.3/38

All: -14.213+/-9.317 χ^2/NDF: 99.3/78

- sign -49.655+/-13.216 χ^2/NDF: 47.8/39

dit_asym_sam_15_avg_rms vs Slug



Right In: 59.509+/-0.016 χ^2/NDF: 283192.7/15

Left Out: 68.195+/-0.011 χ^2/NDF:827646.0/22

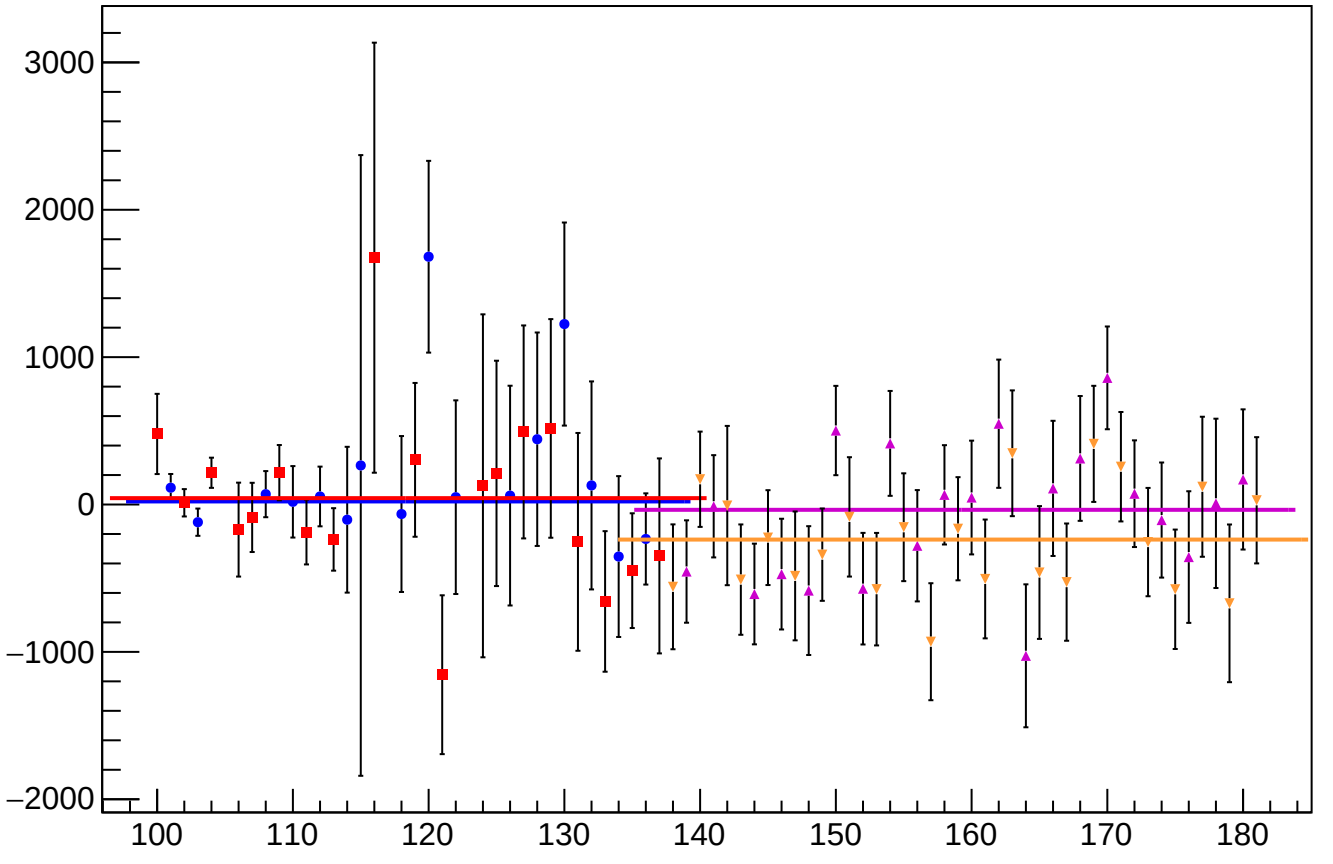
Right Out: 57.567+/-0.015 χ^2/NDF: 347377.8/18

Left In: 68.446+/-0.012 χ^2/NDF:648781.7/20

+ sign 65.237+/-0.009 χ^2/NDF: 1307168.2/38

All: 64.804+/-0.007 χ^2/NDF: 2625432.5/78

- sign 64.365+/-0.009 χ^2/NDF: 1313879.3/39



Right In: 20.840+/-53.585 χ^2/NDF: 14.6/15

Left Out: -237.891+/-81.878 χ^2/NDF:17.3/22

Right Out: 43.262+/-53.210 χ^2/NDF: 21.5/18

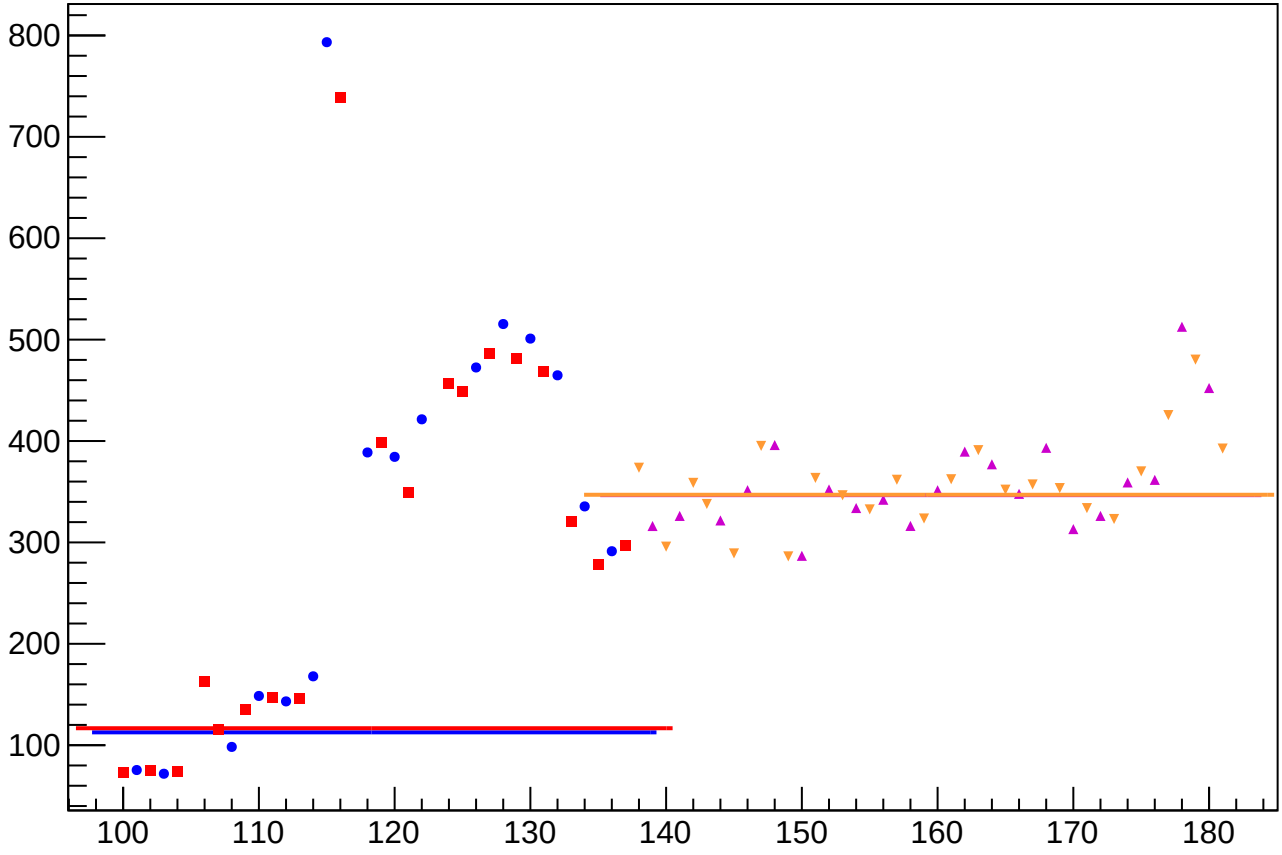
Left In: -35.972+/-84.362 χ^2/NDF:28.7/20

+ sign -56.746+/-44.837 χ^2/NDF: 38.9/38

All: -18.163+/-31.764 χ^2/NDF: 91.2/78

- sign 20.712+/-45.006 χ^2/NDF: 50.8/39

asym_sam_15_avg_dit_correction_rms vs Slug



Right In: 112.668+/-0.038 χ^2/NDF: 5599655.1/15

Left Out: 346.987+/-0.058 χ^2/NDF:487663.4/22

Right Out: 116.733+/-0.038 χ^2/NDF: 5141387.7/18

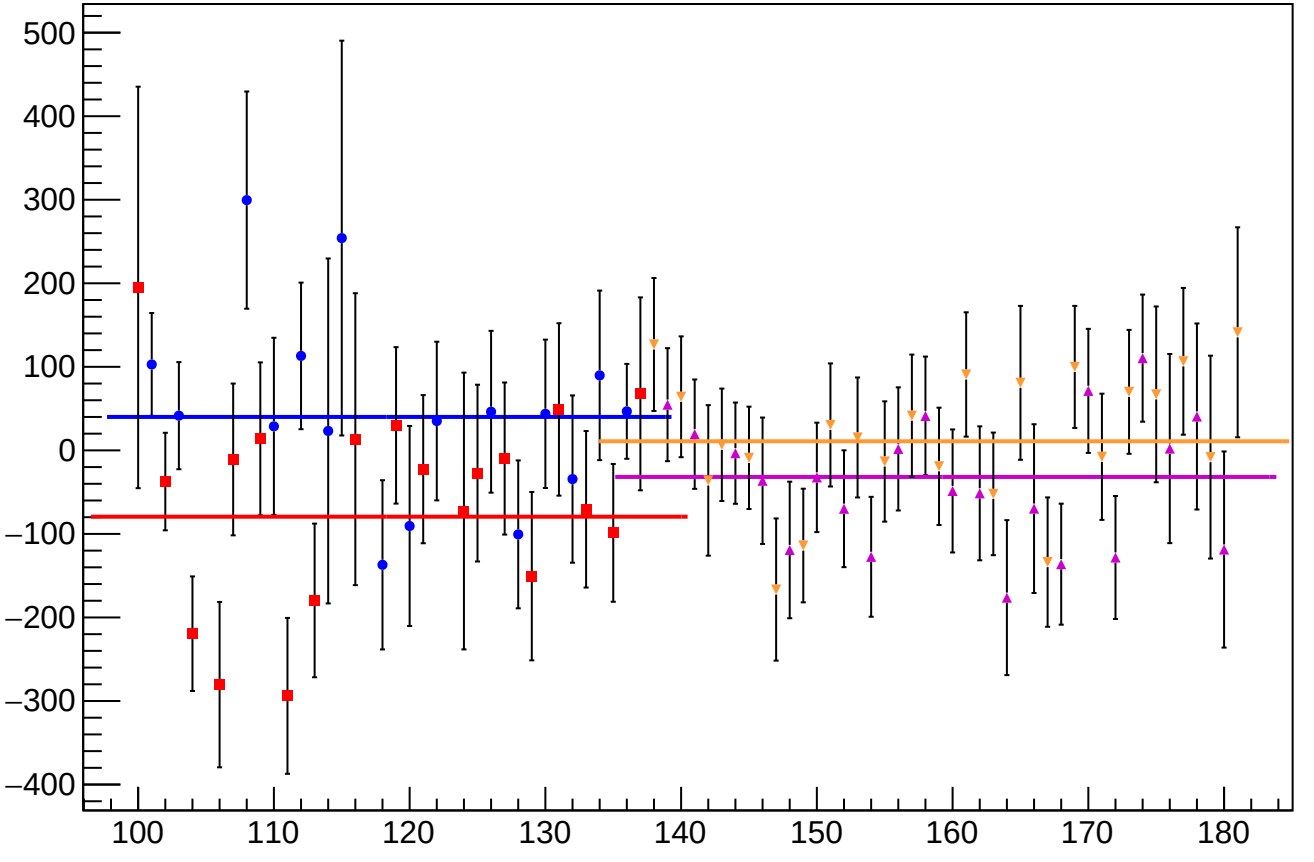
Left In: 346.608+/-0.060 χ^2/NDF:503397.9/20

+ sign 182.934+/-0.032 χ^2/NDF: 17555384.2/38

All: 182.546+/-0.022 χ^2/NDF: 33823934.7/78

- sign 182.156+/-0.032 χ^2/NDF: 16268251.0/39

eigen_dit_asym_sam_15_avg_mean vs Slug



Right In: 40.030+/-22.515 χ^2/NDF: 14.1/15

Left Out: 10.885+/-16.177 χ^2/NDF:22.0/22

Right Out: -79.378+/-21.577 χ^2/NDF: 24.8/18

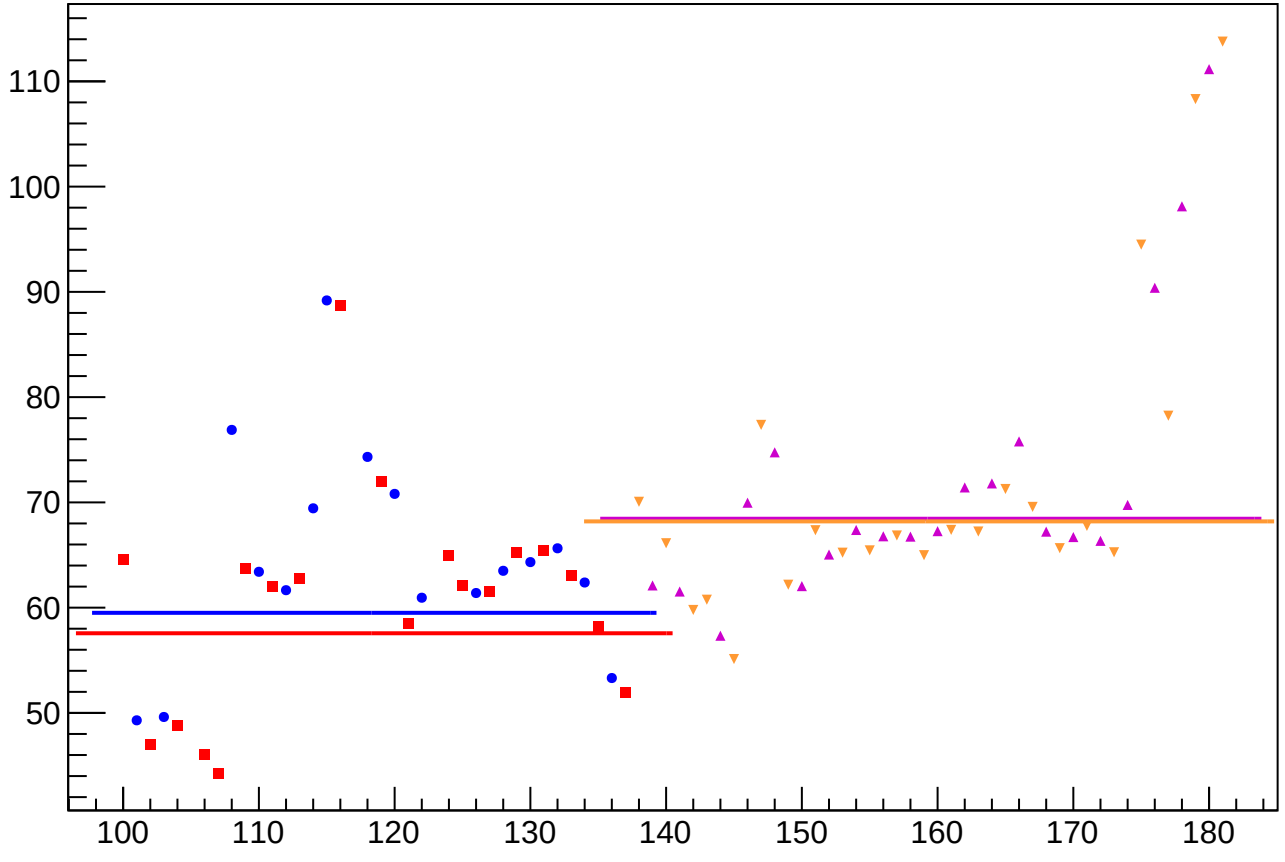
Left In: -31.809+/-16.719 χ^2/NDF:19.9/20

+ sign 20.808+/-13.137 χ^2/NDF: 37.3/38

All: -14.213+/-9.317 χ^2/NDF: 99.3/78

- sign -49.654+/-13.216 χ^2/NDF: 47.8/39

eigen_dit_asym_sam_15_avg_rms vs Slug



Right In: 59.509+/-0.016 χ^2/NDF: 283190.4/15

Left Out: 68.195+/-0.011 χ^2/NDF:827629.5/22

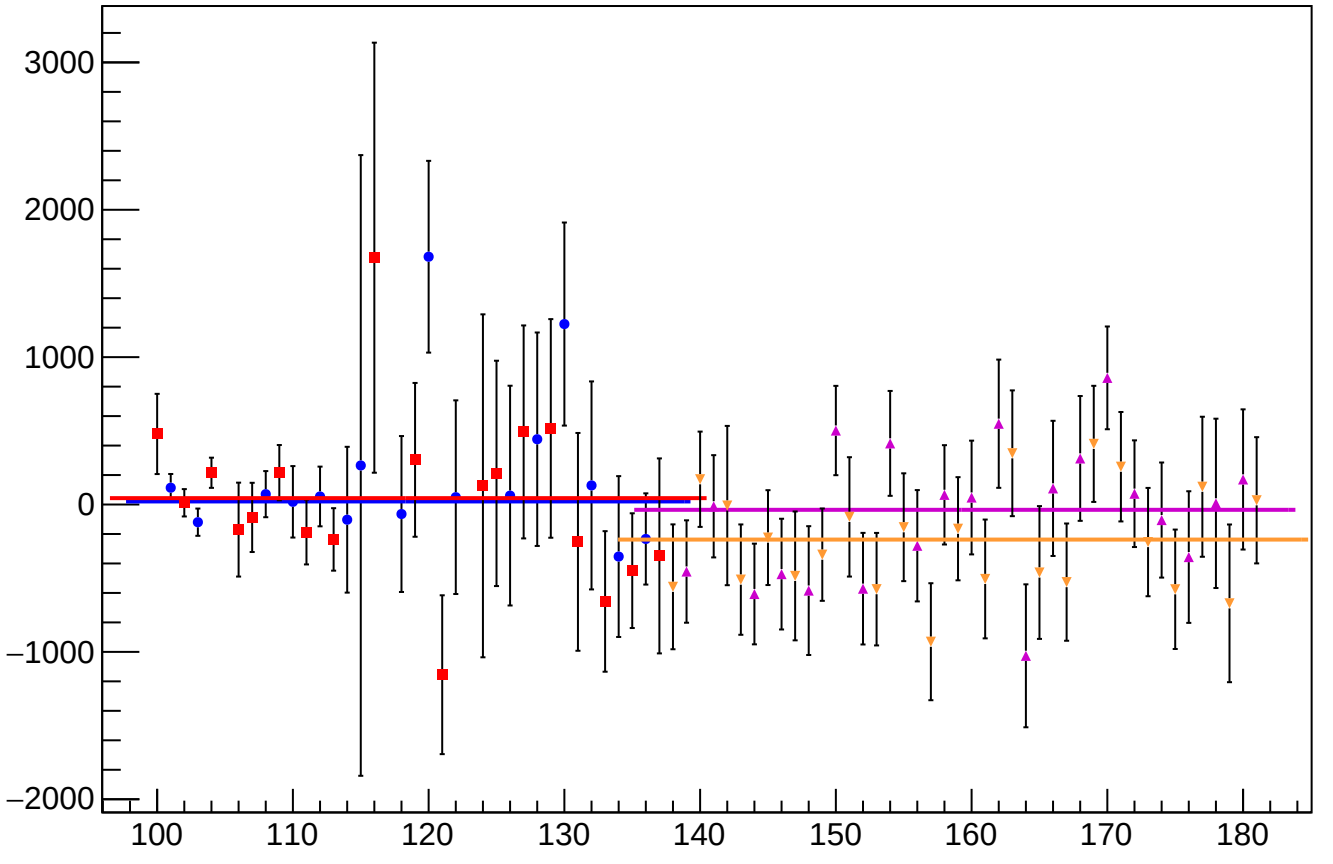
Right Out: 57.567+/-0.015 χ^2/NDF: 347374.2/18

Left In: 68.447+/-0.012 χ^2/NDF:648767.4/20

+ sign 65.237+/-0.009 χ^2/NDF: 1307157.4/38

All: 64.804+/-0.007 χ^2/NDF: 2625416.4/78

- sign 64.365+/-0.009 χ^2/NDF: 1313874.4/39



Right In: 20.840+/-53.585 χ^2/NDF: 14.6/15

Left Out: -237.890+/-81.878 χ^2/NDF:17.3/22

Right Out: 43.262+/-53.210 χ^2/NDF: 21.5/18

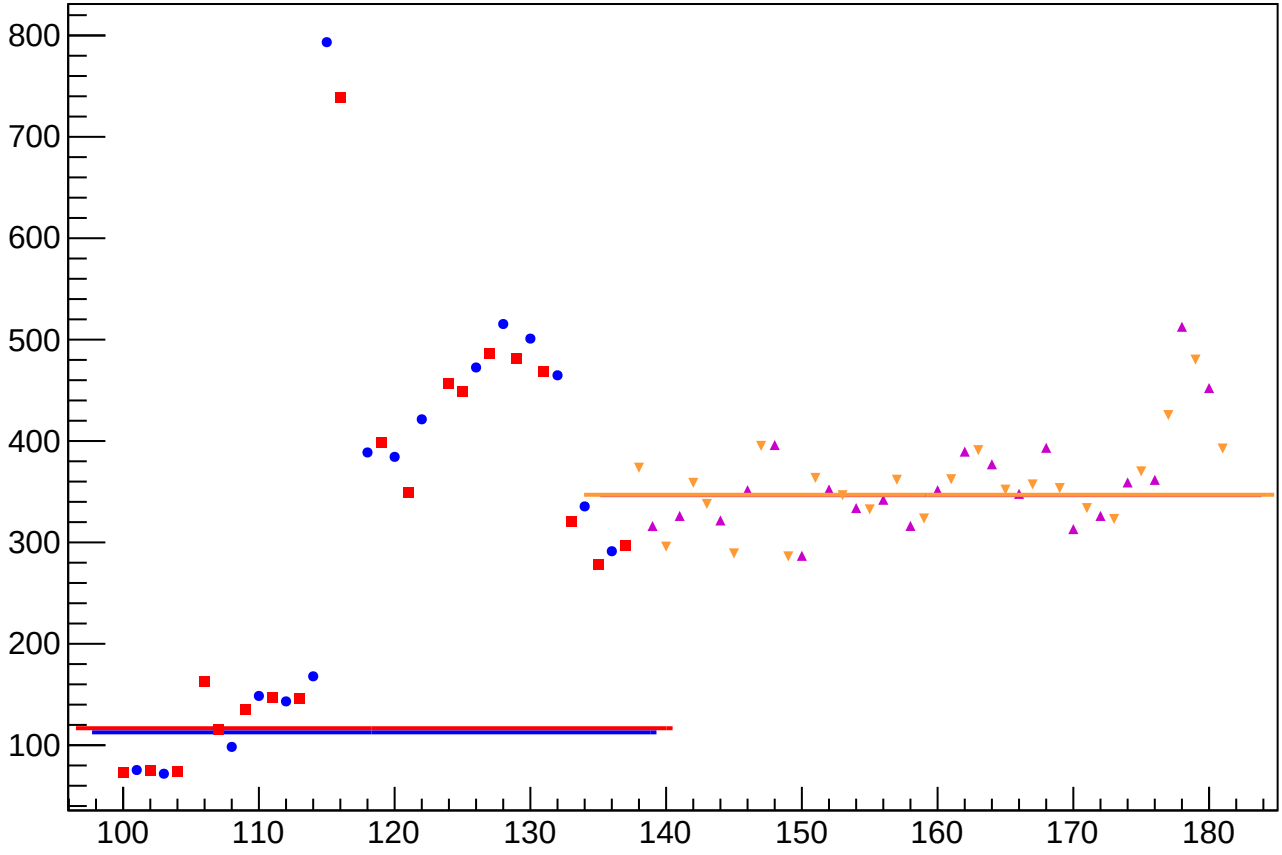
Left In: -35.972+/-84.362 χ^2/NDF:28.7/20

+ sign -56.745+/-44.837 χ^2/NDF: 38.9/38

All: -18.163+/-31.764 χ^2/NDF: 91.2/78

- sign 20.712+/-45.006 χ^2/NDF: 50.8/39

asym_sam_15_avg_eigen_dit_correction_rms vs Slug



Right In: 112.668+/-0.038 χ^2/NDF: 5599653.6/15

Left Out: 346.988+/-0.058 χ^2/NDF:487655.8/22

Right Out: 116.732+/-0.038 χ^2/NDF: 5141390.3/18

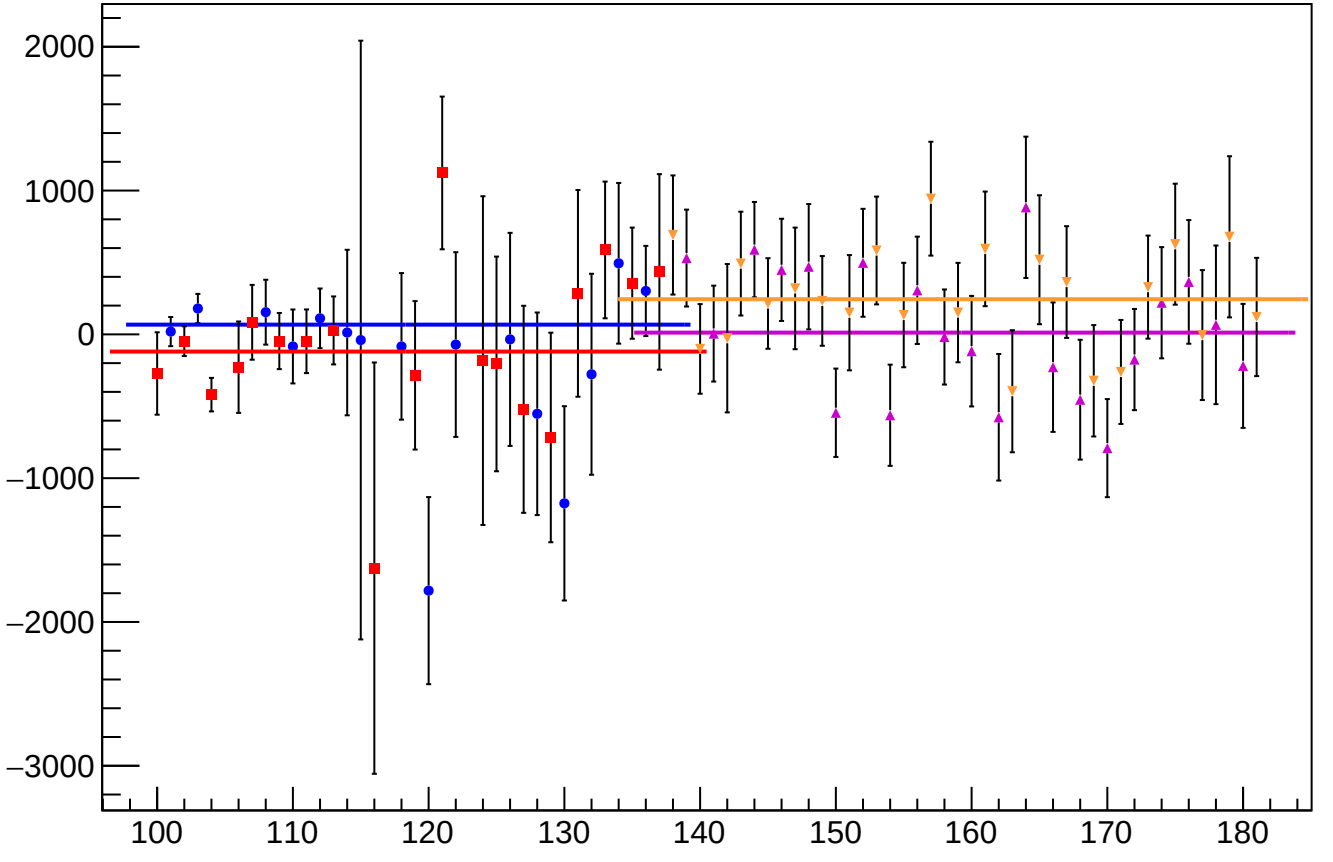
Left In: 346.609+/-0.060 χ^2/NDF:503391.7/20

+ sign 182.933+/-0.032 χ^2/NDF: 17555440.7/38

All: 182.546+/-0.022 χ^2/NDF: 33824068.6/78

- sign 182.156+/-0.032 χ^2/NDF: 16268328.2/39

asym_sam_15_avg_mean vs Slug



Right In: 67.621+/-59.169 χ^2/NDF: 15.8/15

Left Out: 244.503+/-80.487 χ^2/NDF:16.8/22

Right Out: -119.635+/-57.941 χ^2/NDF: 21.1/18

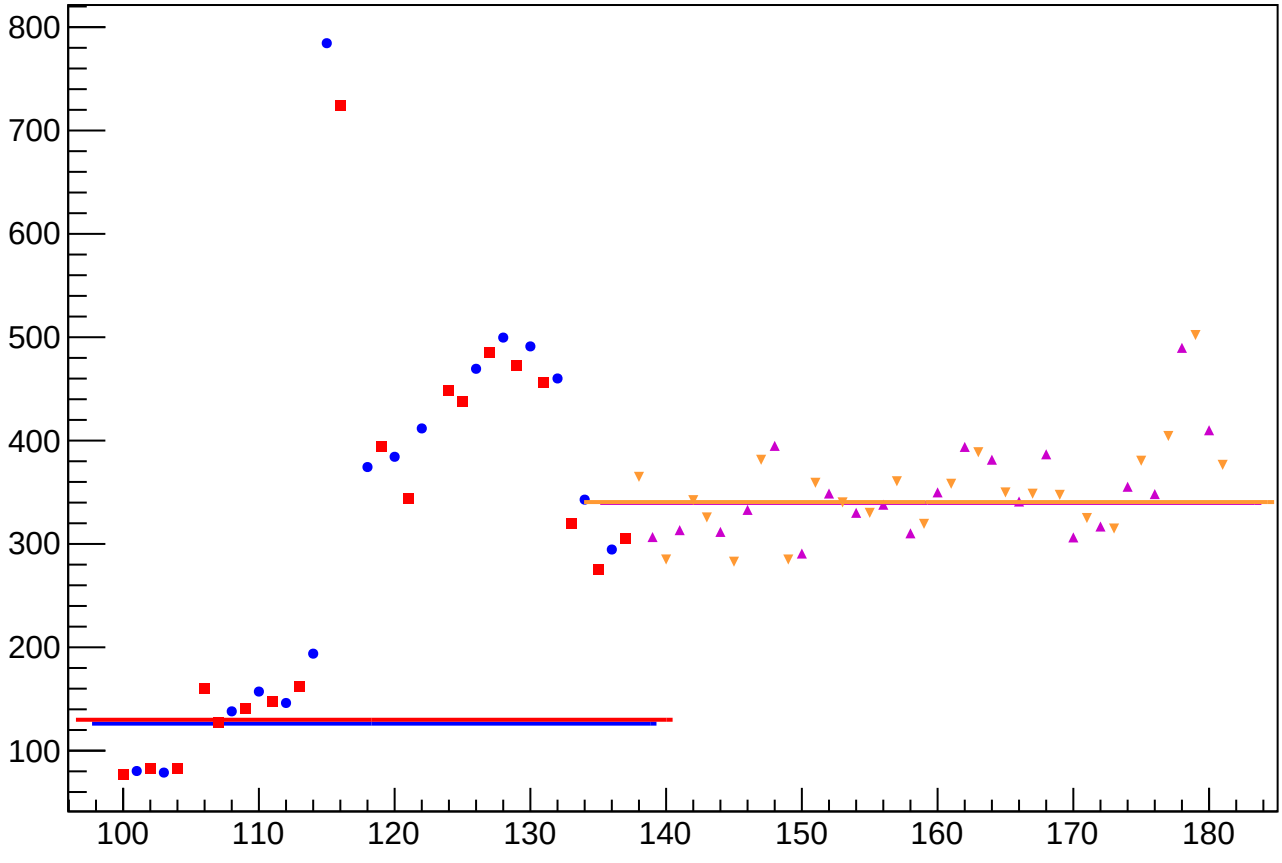
Left In: 12.132+/-82.654 χ^2/NDF:29.9/20

+ sign 129.677+/-47.673 χ^2/NDF: 35.7/38

All: 26.235+/-33.629 χ^2/NDF: 97.9/78

- sign -76.219+/-47.445 χ^2/NDF: 52.8/39

asym_sam_15_avg_rms vs Slug



Right In: 126.154+/-0.042 χ^2/NDF: 5220128.2/15

Left Out: 340.523+/-0.057 χ^2/NDF:527540.2/22

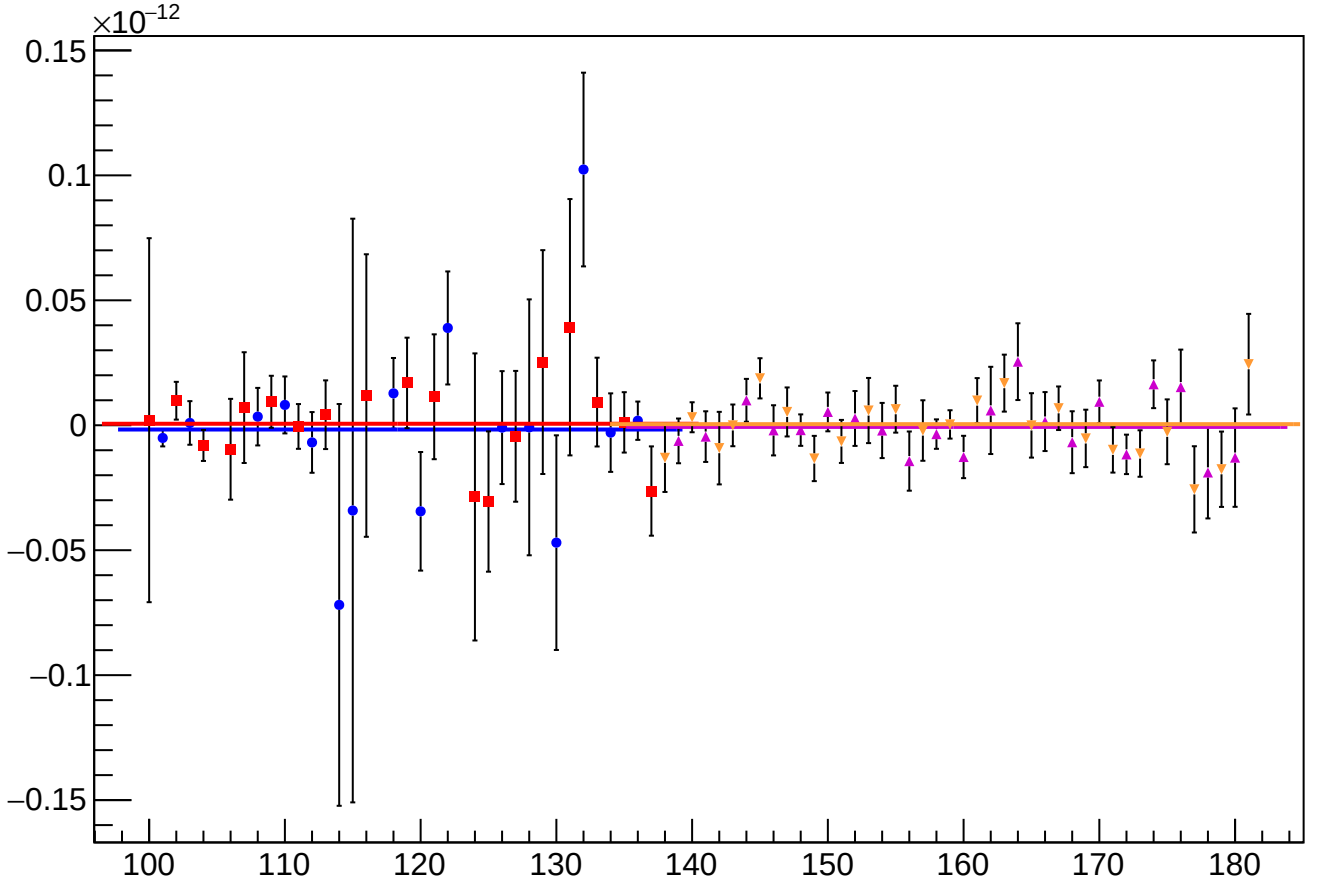
Right Out: 129.914+/-0.041 χ^2/NDF: 4647677.8/18

Left In: 339.654+/-0.058 χ^2/NDF:452504.0/20

+ sign 201.361+/-0.034 χ^2/NDF: 14957794.9/38

All: 200.186+/-0.024 χ^2/NDF: 28695372.1/78

- sign 199.022+/-0.034 χ^2/NDF: 13735158.4/39



Right In: -0.000+/-0.000 χ^2/NDF: 17.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:22.7/22

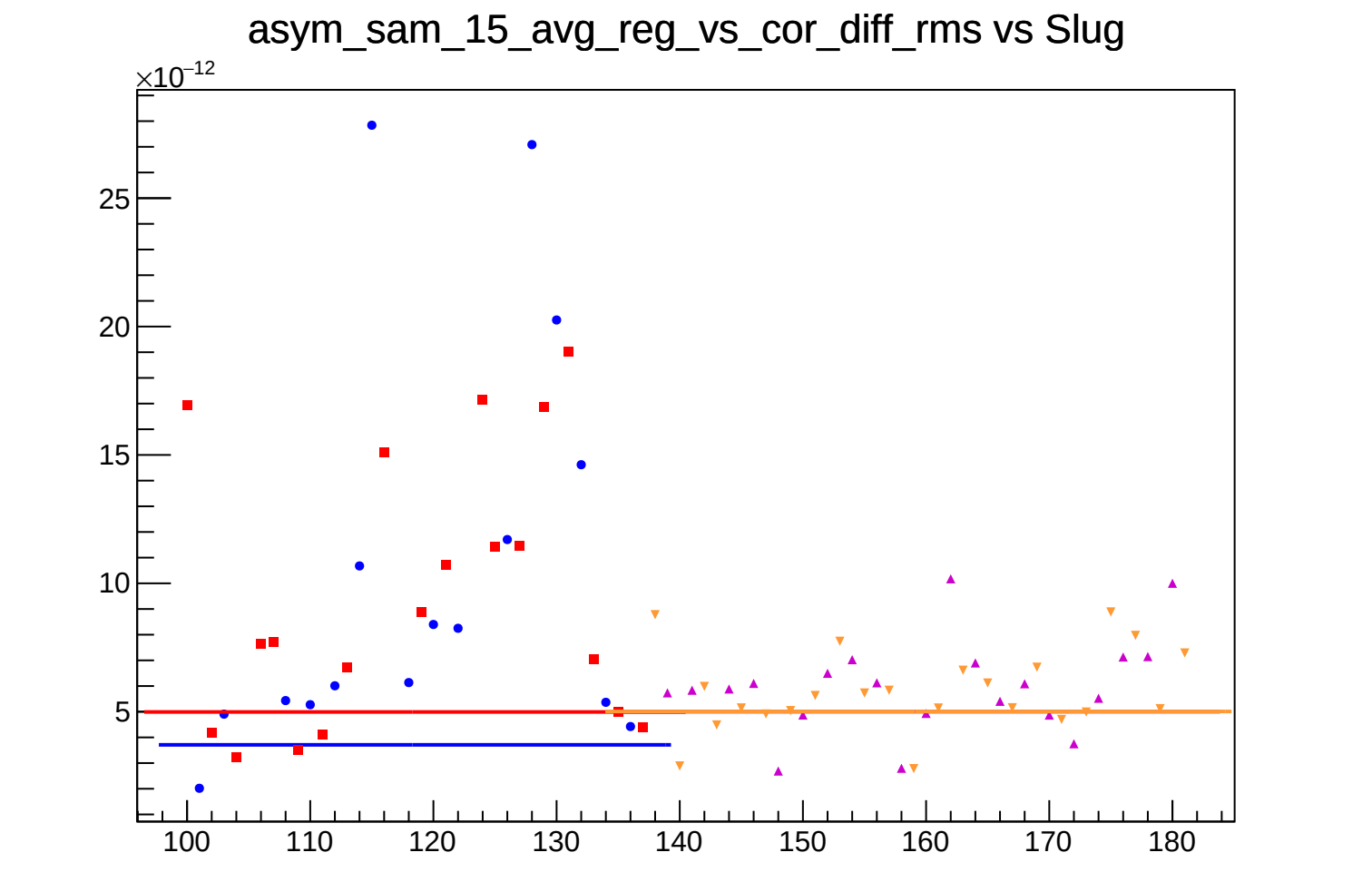
Right Out: 0.000+/-0.000 χ^2/NDF: 10.5/18

Left In: -0.000+/-0.000 χ^2/NDF:18.8/20

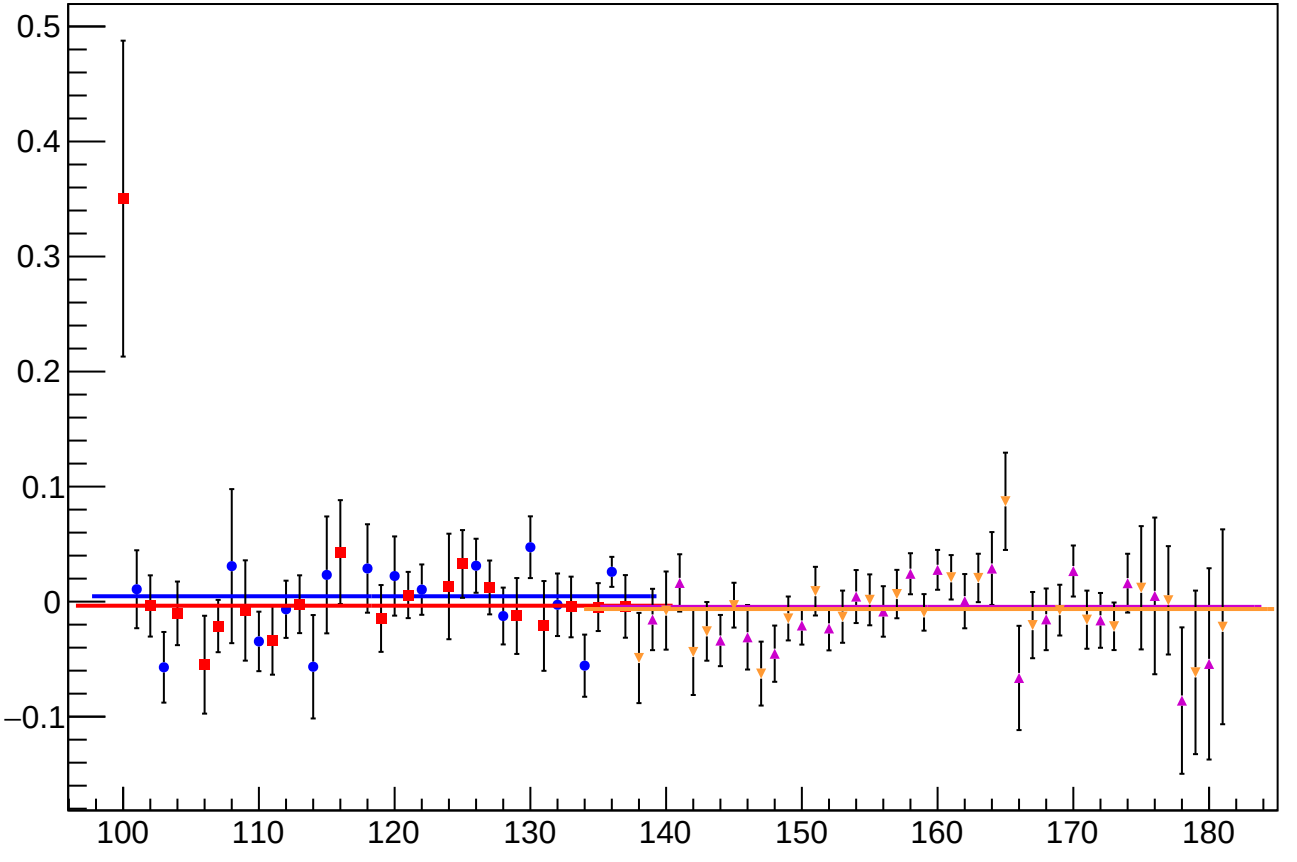
+ sign -0.000+/-0.000 χ^2/NDF: 40.9/38

All: -0.000+/-0.000 χ^2/NDF: 70.3/78

- sign -0.000+/-0.000 χ^2/NDF: 29.4/39


asym_sam_15_avg_reg_vs_cor_diff_rms vs Slug
×10^−12
25
20
15
10
5
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2172466.3/15
Left Out: 0.000+/-0.000 χ²/NDF:1213217.6/22
Right Out: 0.000+/-0.000 χ²/NDF: 1295374.6/18
Left In: 0.000+/-0.000 χ²/NDF:1221795.1/20
+ sign 0.000+/-0.000 χ²/NDF: 3707998.0/38
All: 0.000+/-0.000 χ²/NDF: 6312759.3/78
- sign 0.000+/-0.000 χ²/NDF: 2517187.2/39

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:18.5/22

Right Out: -0.004+/-0.007 χ^2/NDF: 13.6/18

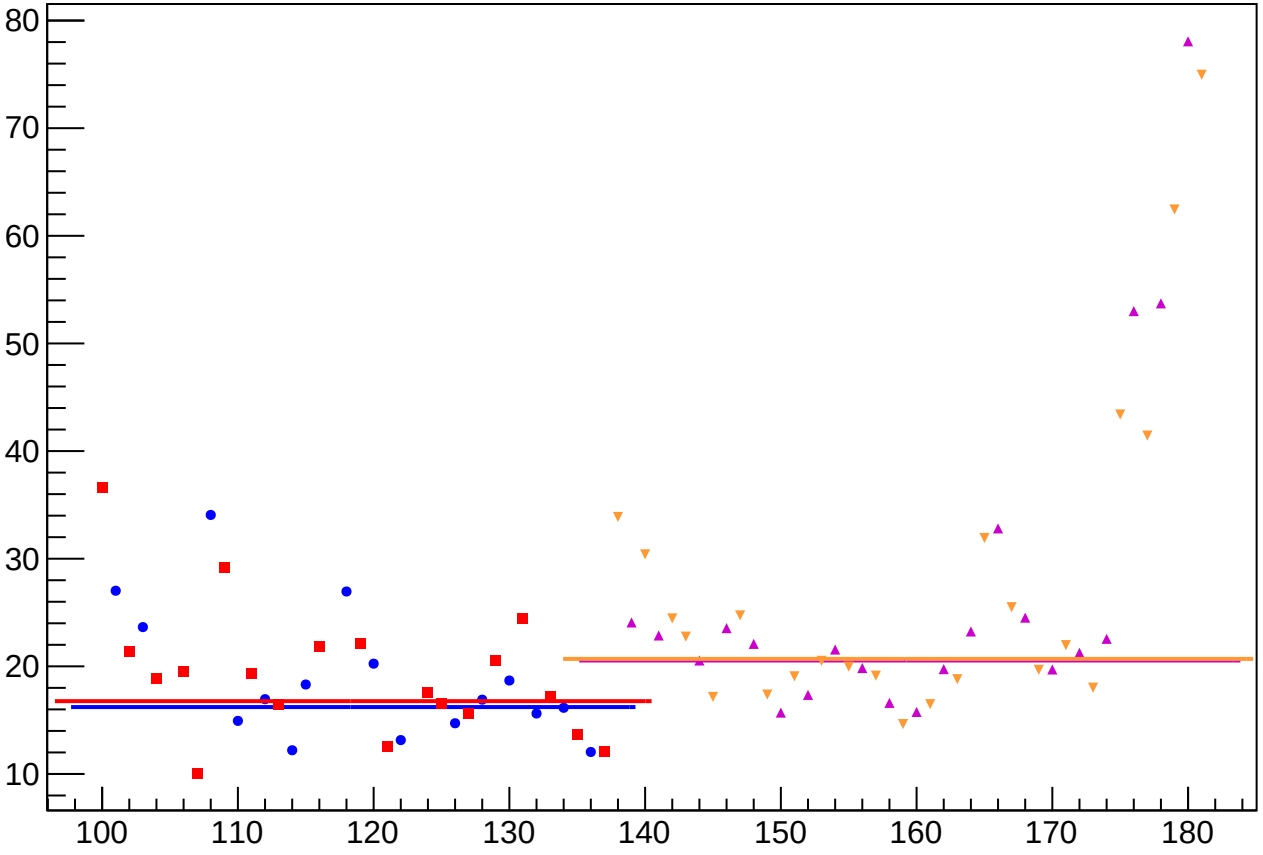
Left In: -0.005+/-0.005 χ^2/NDF:22.5/20

+ sign -0.002+/-0.004 χ^2/NDF: 41.7/38

All: -0.003+/-0.003 χ^2/NDF: 77.9/78

- sign -0.004+/-0.004 χ^2/NDF: 36.1/39

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: 20.692+/-0.004 χ^2/NDF:3516312.4/22

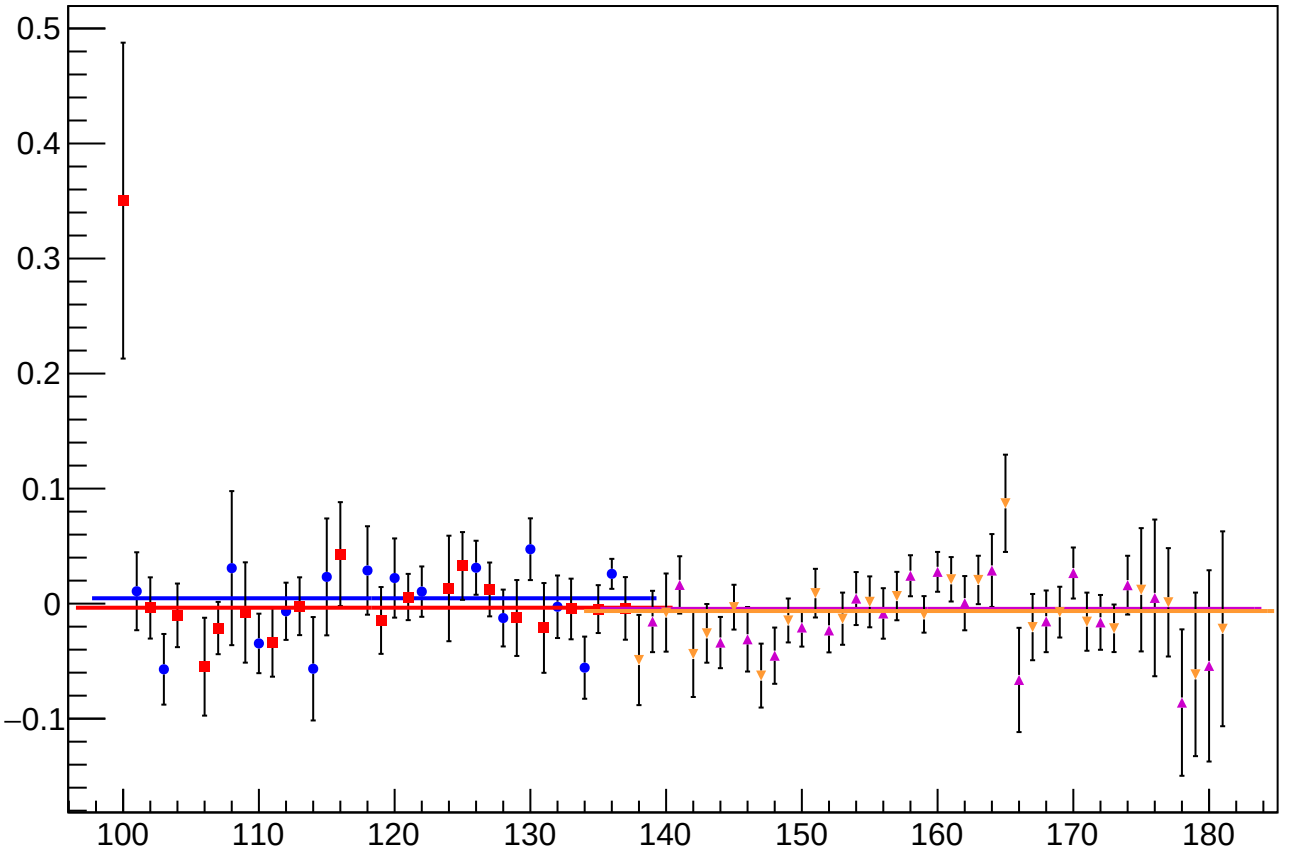
Right Out: 16.766+/-0.005 χ^2/NDF: 866715.7/18

Left In: 20.543+/-0.004 χ^2/NDF:2744504.2/20

+ sign 18.958+/-0.003 χ^2/NDF: 5029541.2/38

All: 19.010+/-0.002 χ^2/NDF: 9036691.3/78

- sign 19.064+/-0.003 χ^2/NDF: 4006492.1/39



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.006+/-0.005 χ^2/NDF:18.5/22

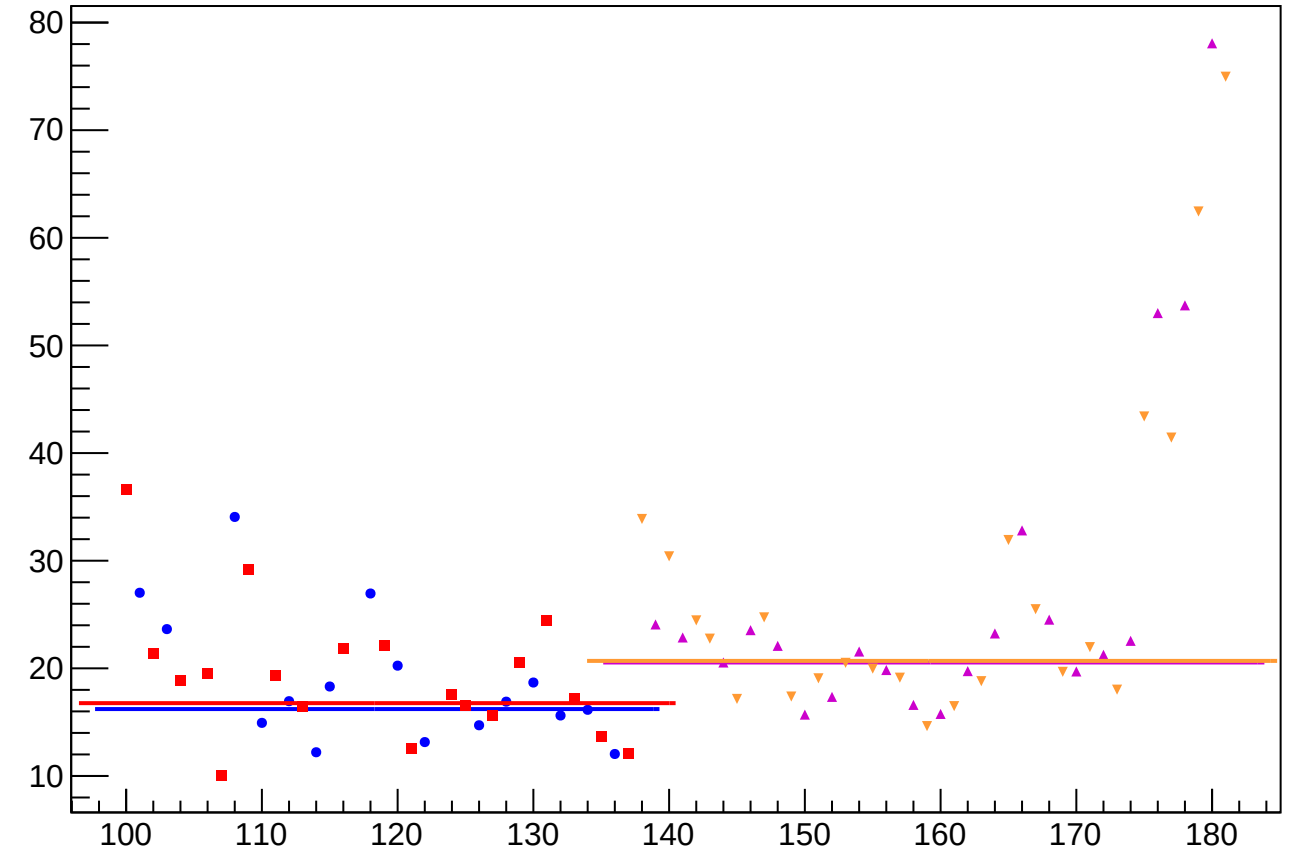
Right Out: -0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: -0.005+/-0.005 χ^2/NDF:22.5/20

+ sign -0.002+/-0.004 χ^2/NDF: 41.7/38

All: -0.003+/-0.003 χ^2/NDF: 77.9/78

- sign -0.004+/-0.004 χ^2/NDF: 36.1/39



Right In: 16.217+/-0.005 χ^2/NDF: 943864.9/15

Left Out: 20.692+/-0.004 χ^2/NDF:3516312.4/22

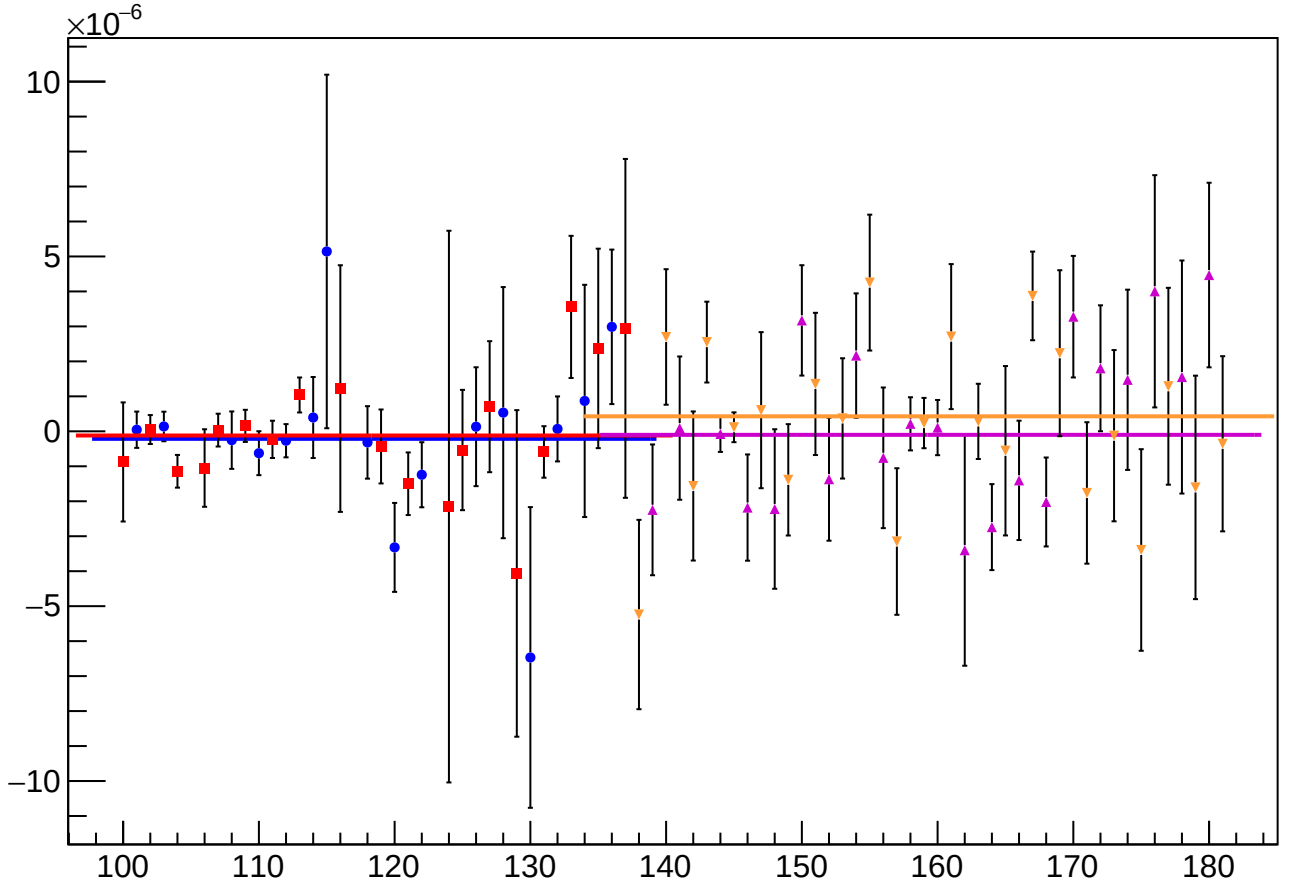
Right Out: 16.766+/-0.005 χ^2/NDF: 866715.7/18

Left In: 20.543+/-0.004 χ^2/NDF:2744504.2/20

+ sign 18.958+/-0.003 χ^2/NDF: 5029541.2/38

All: 19.010+/-0.002 χ^2/NDF: 9036691.3/78

- sign 19.064+/-0.003 χ^2/NDF: 4006492.1/39



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:31.9/22

Right Out: -0.000+/-0.000 χ^2/NDF: 20.2/18

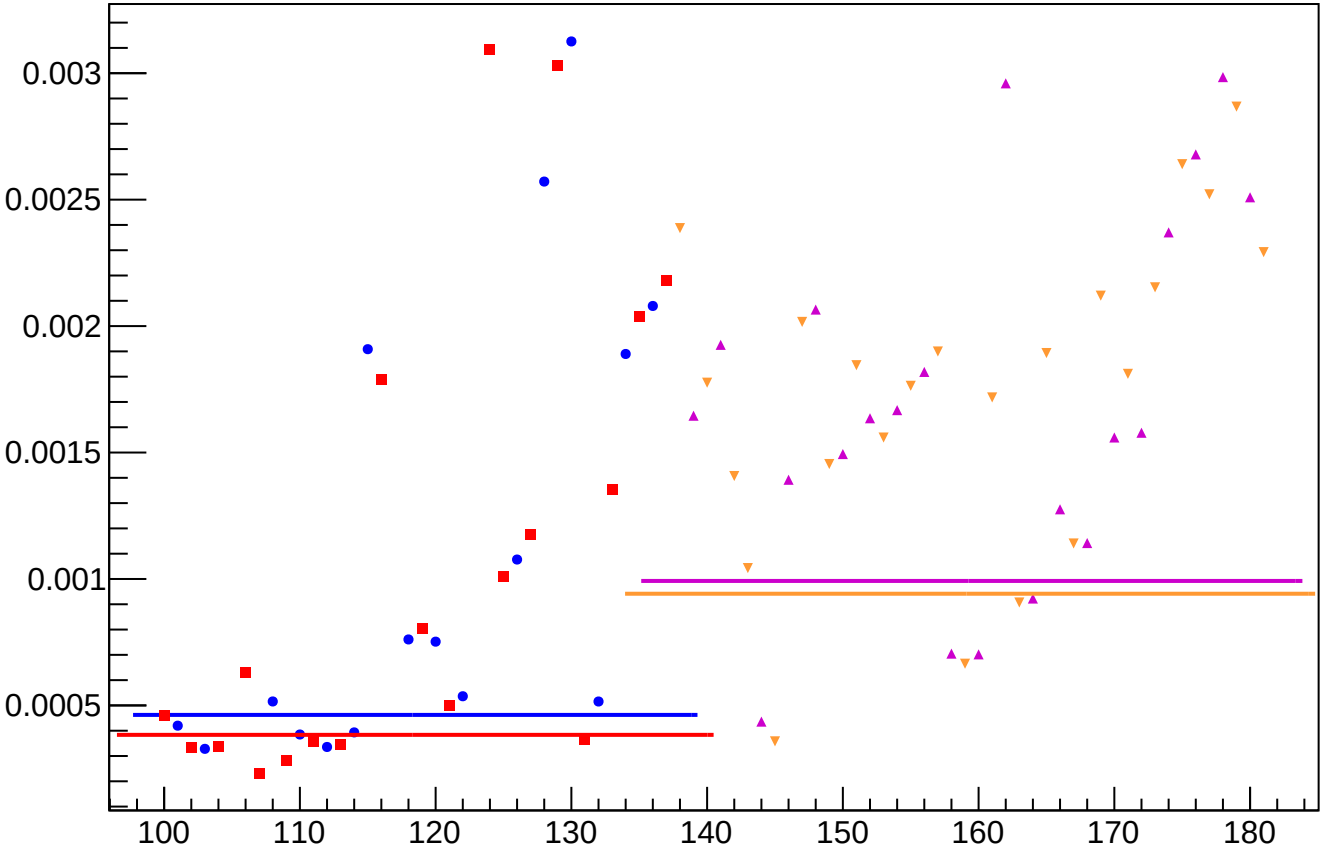
Left In: -0.000+/-0.000 χ^2/NDF:29.4/20

+ sign 0.000+/-0.000 χ^2/NDF: 49.9/38

All: -0.000+/-0.000 χ^2/NDF: 99.8/78

- sign -0.000+/-0.000 χ^2/NDF: 49.6/39

asym_sam_15_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 4015939.2/15

Left Out: 0.001+/-0.000 χ^2/NDF:11825728.7/22

Right Out: 0.000+/-0.000 χ^2/NDF: 4058129.5/18

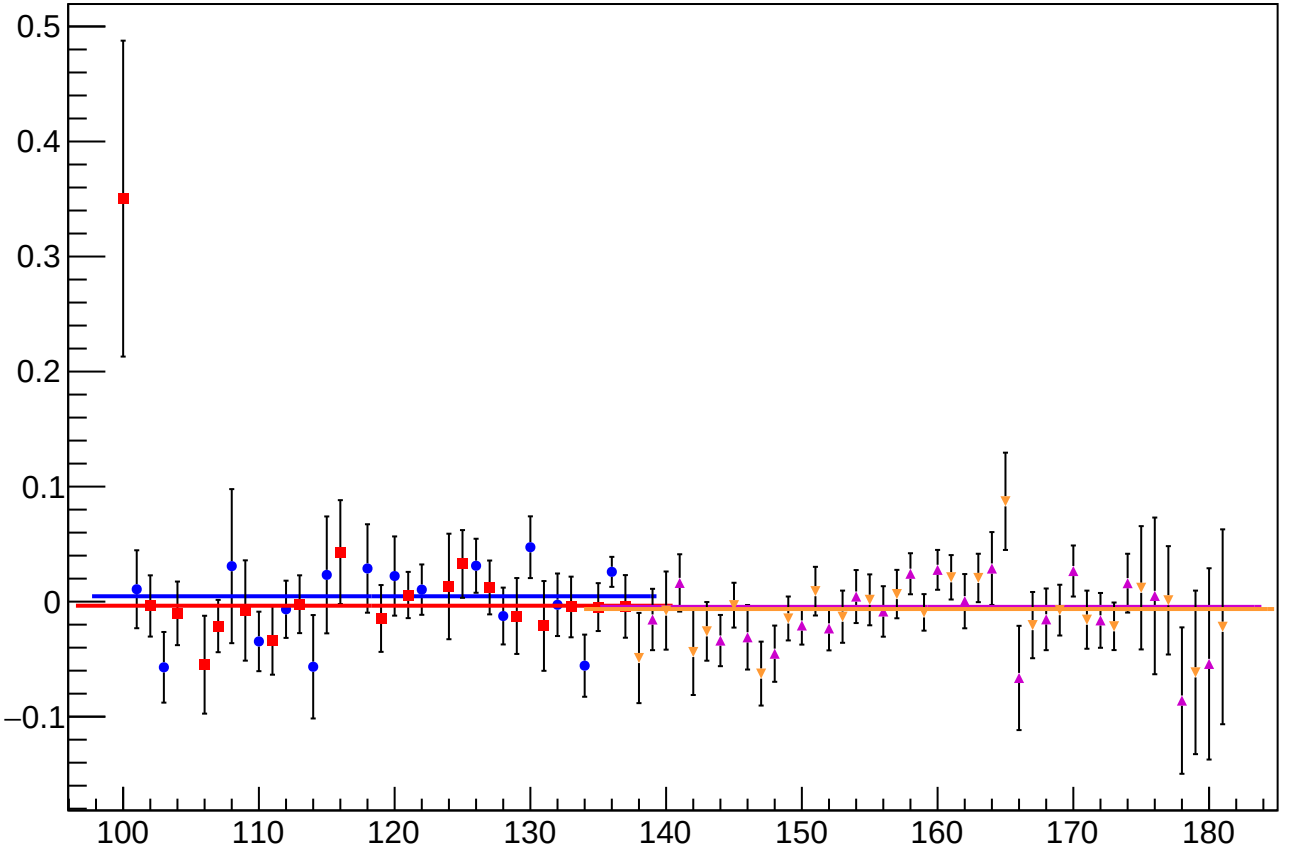
Left In: 0.001+/-0.000 χ^2/NDF:8920892.8/20

+ sign 0.001+/-0.000 χ^2/NDF: 19752154.4/38

All: 0.001+/-0.000 χ^2/NDF: 39766873.1/78

- sign 0.001+/-0.000 χ^2/NDF: 19679522.3/39

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:18.5/22

Right Out: -0.004+/-0.007 χ^2/NDF: 13.6/18

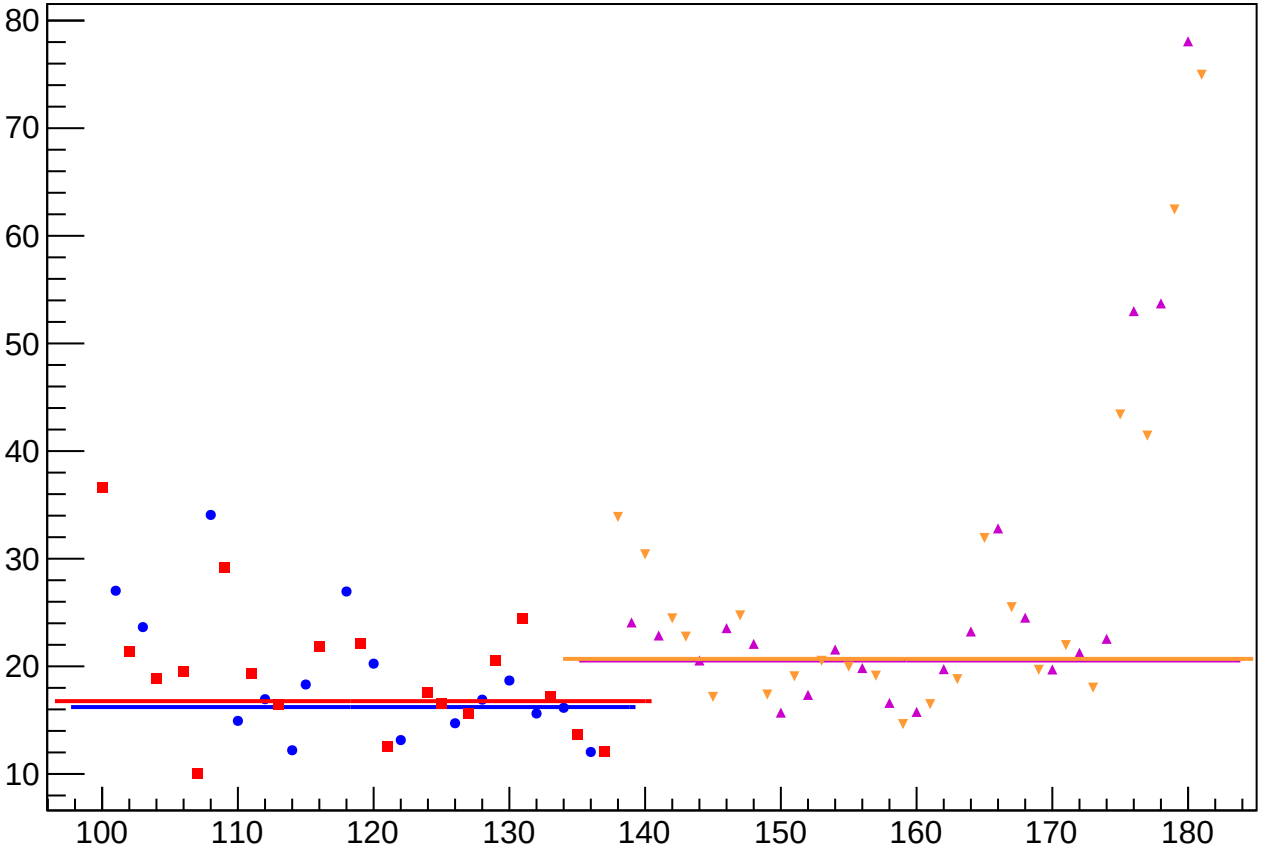
Left In: -0.005+/-0.005 χ^2/NDF:22.5/20

+ sign -0.002+/-0.004 χ^2/NDF: 41.7/38

All: -0.003+/-0.003 χ^2/NDF: 77.9/78

- sign -0.004+/-0.004 χ^2/NDF: 36.1/39

asym_sam_15_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 16.216+/-0.005 χ^2/NDF: 943830.6/15

Left Out: 20.692+/-0.004 χ^2/NDF:3516294.4/22

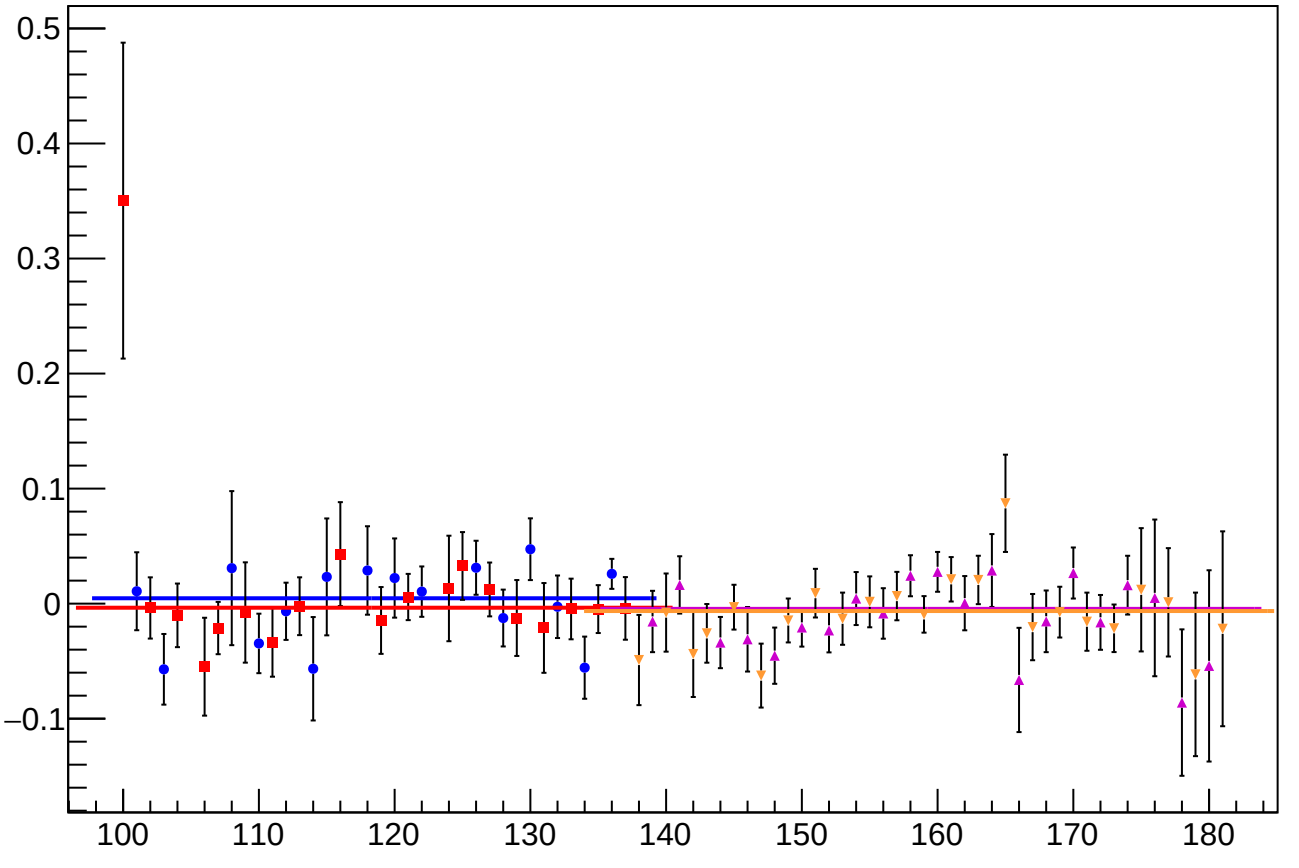
Right Out: 16.766+/-0.005 χ^2/NDF: 866705.3/18

Left In: 20.543+/-0.004 χ^2/NDF:2744554.0/20

+ sign 18.958+/-0.003 χ^2/NDF: 5029574.7/38

All: 19.010+/-0.002 χ^2/NDF: 9036827.0/78

- sign 19.064+/-0.003 χ^2/NDF: 4006595.0/39



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.006+/-0.005 χ^2/NDF:18.5/22

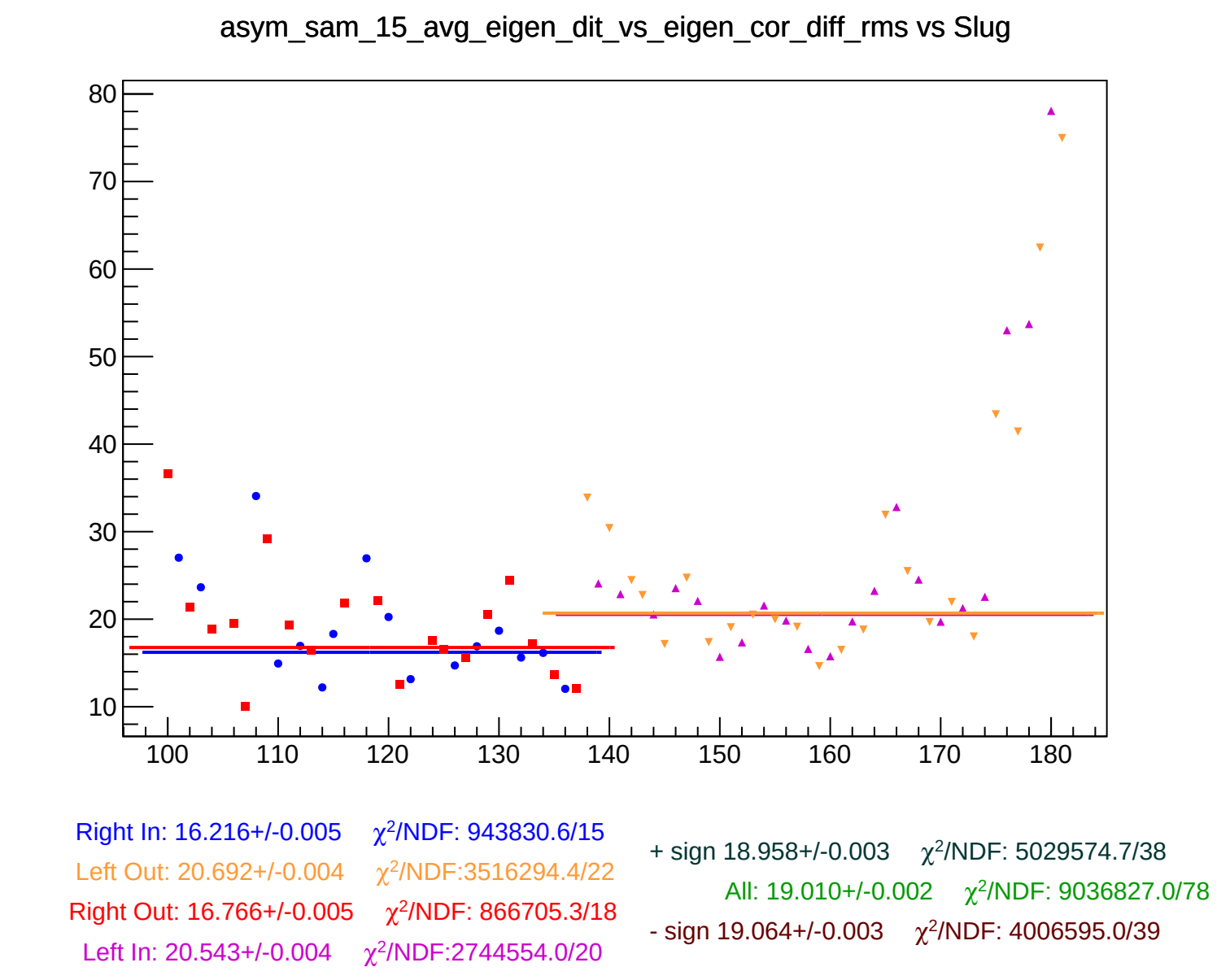
Right Out: -0.004+/-0.007 χ^2/NDF: 13.6/18

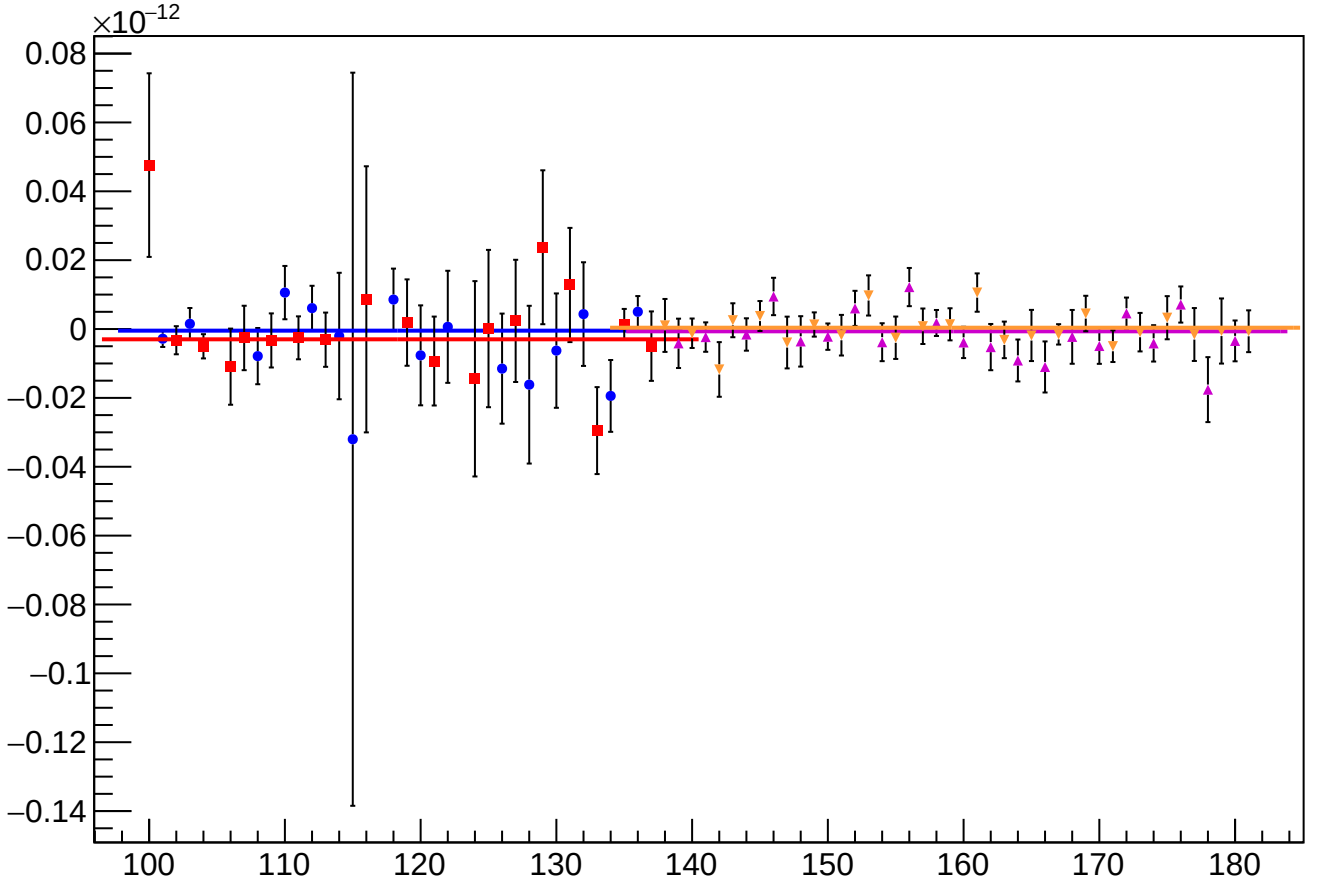
Left In: -0.005+/-0.005 χ^2/NDF:22.5/20

+ sign -0.002+/-0.004 χ^2/NDF: 41.7/38

All: -0.003+/-0.003 χ^2/NDF: 77.9/78

- sign -0.004+/-0.004 χ^2/NDF: 36.1/39


asym_sam_15_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
80
70
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: 20.692+/-0.004 χ²/NDF:3516294.4/22
Right Out: 16.766+/-0.005 χ²/NDF: 866705.3/18
Left In: 20.543+/-0.004 χ²/NDF:2744554.0/20
+ sign 18.958+/-0.003 χ²/NDF: 5029574.7/38
All: 19.010+/-0.002 χ²/NDF: 9036827.0/78
- sign 19.064+/-0.003 χ²/NDF: 4006595.0/39



Right In: -0.000+/-0.000 χ^2/NDF: 12.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.4/22

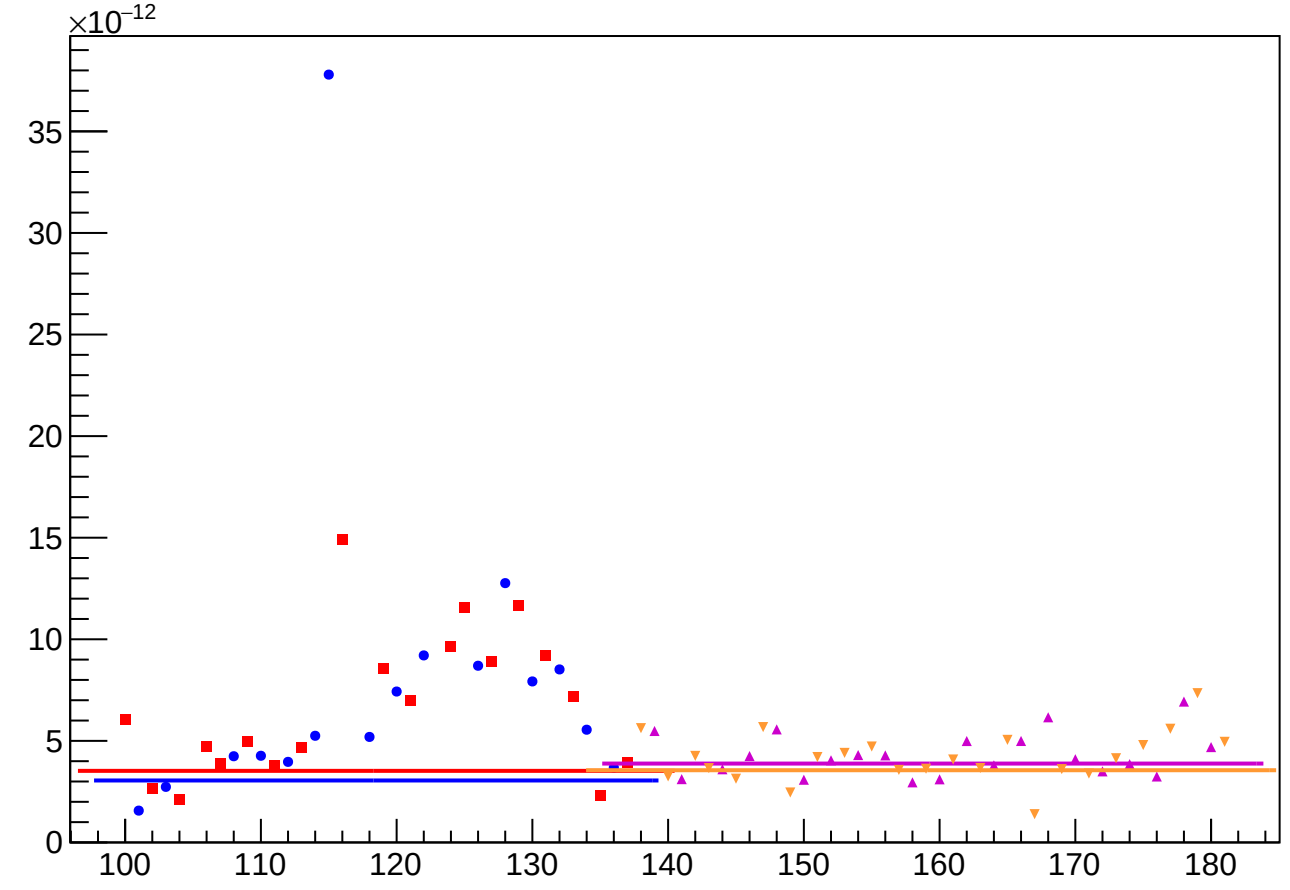
Right Out: -0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: -0.000+/-0.000 χ^2/NDF:25.0/20

+ sign 0.000+/-0.000 χ^2/NDF: 25.9/38

All: -0.000+/-0.000 χ^2/NDF: 66.3/78

- sign -0.000+/-0.000 χ^2/NDF: 39.2/39



Right In: 0.000+/-0.000 χ^2/NDF: 2937232.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:2524170.6/22

Right Out: 0.000+/-0.000 χ^2/NDF: 2559080.1/18

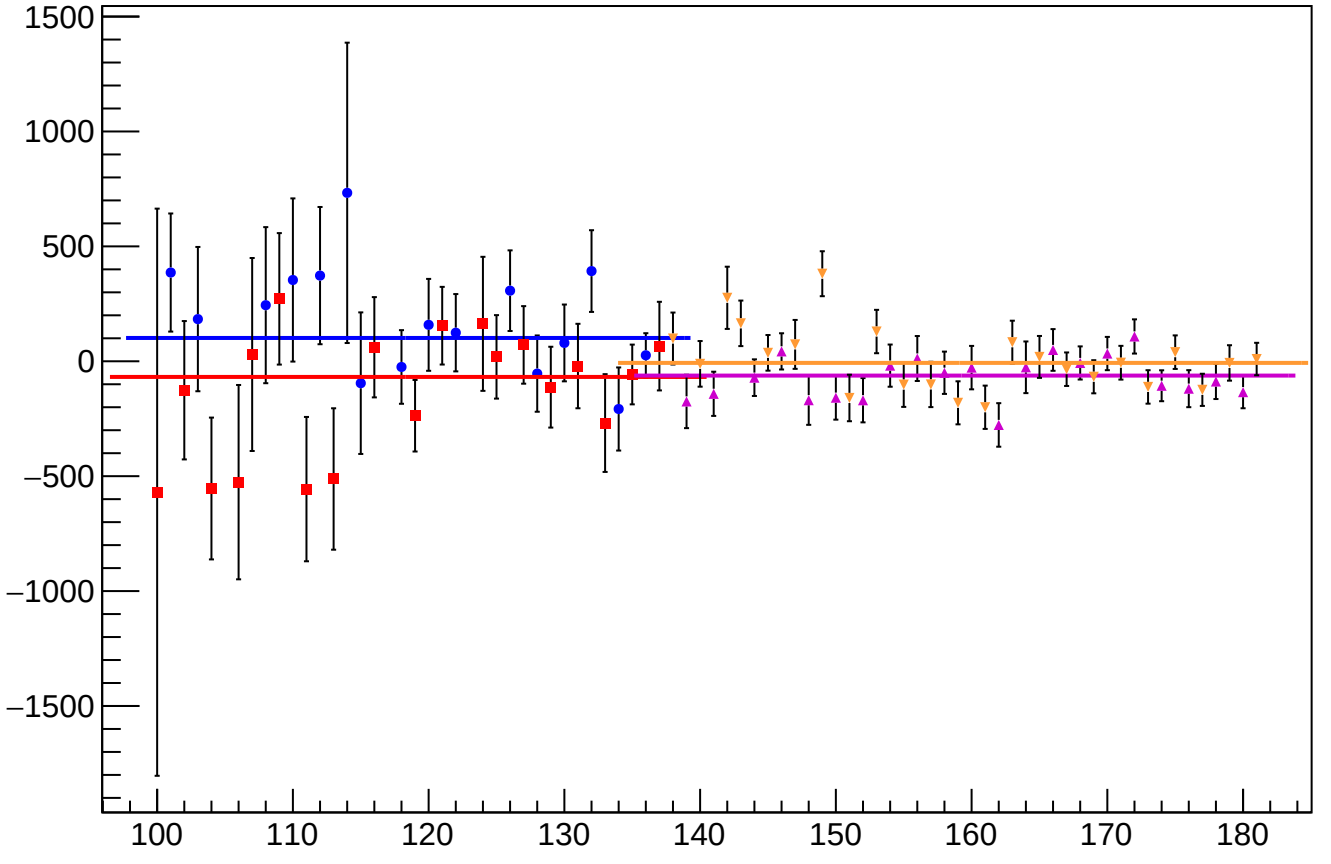
Left In: 0.000+/-0.000 χ^2/NDF:1137941.9/20

+ sign 0.000+/-0.000 χ^2/NDF: 5593369.3/38

All: 0.000+/-0.000 χ^2/NDF: 9507312.1/78

- sign 0.000+/-0.000 χ^2/NDF: 3753769.5/39

reg_asym_sam_26_avg_mean vs Slug



Right In: 101.460+/-47.631 χ^2/NDF: 13.4/15

Left Out: -7.013+/-17.987 χ^2/NDF:45.9/22

Right Out: -68.108+/-49.327 χ^2/NDF: 16.1/18

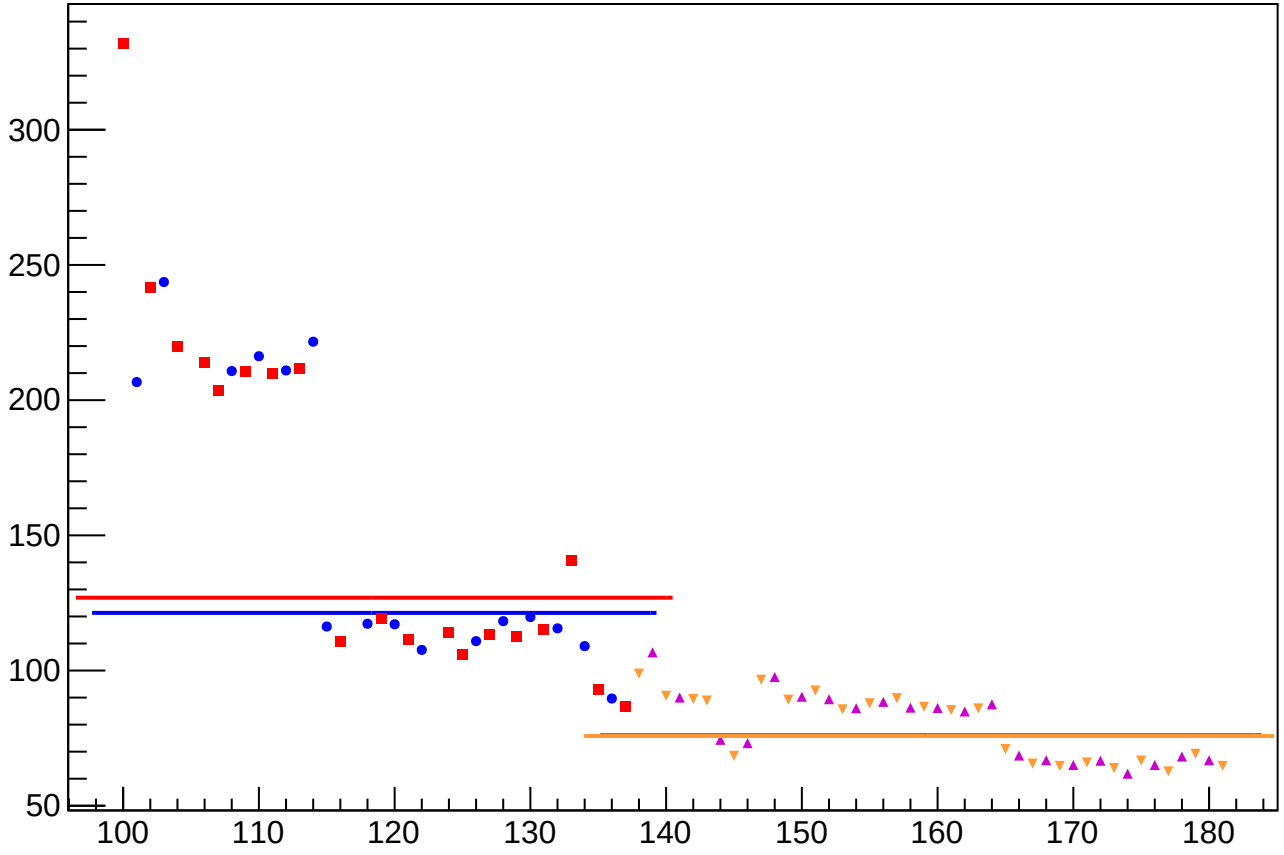
Left In: -62.276+/-18.622 χ^2/NDF:24.0/20

+ sign 6.526+/-16.828 χ^2/NDF: 63.8/38

All: -27.032+/-12.104 χ^2/NDF: 112.3/78

- sign -63.003+/-17.422 χ^2/NDF: 40.2/39

reg_asym_sam_26_avg_rms vs Slug



Right In: 121.325+/-0.034 χ^2/NDF: 1286651.5/15

Left Out: 75.784+/-0.013 χ^2/NDF:880052.6/22

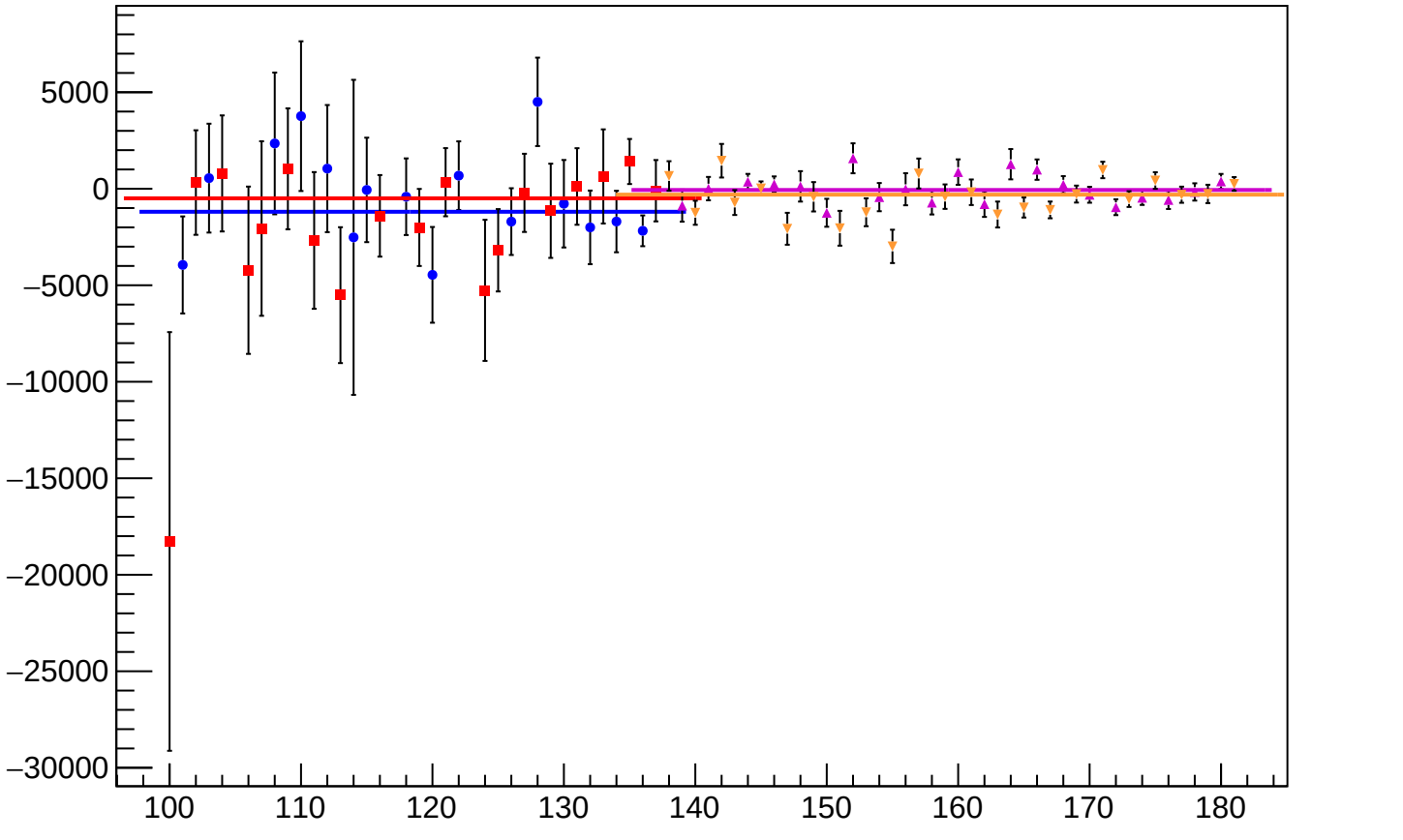
Right Out: 126.945+/-0.035 χ^2/NDF: 1471592.1/18

Left In: 76.096+/-0.013 χ^2/NDF:796652.8/20

+ sign 81.468+/-0.012 χ^2/NDF: 3766919.4/38

All: 81.937+/-0.009 χ^2/NDF: 7898536.3/78

- sign 82.439+/-0.012 χ^2/NDF: 4128401.9/39



Right In: -1192.168+/-478.908 χ^2/NDF: 15.9/15

Left Out: -304.880+/-110.941 χ^2/NDF:52.8/22

Right Out: -494.627+/-521.756 χ^2/NDF: 13.9/18

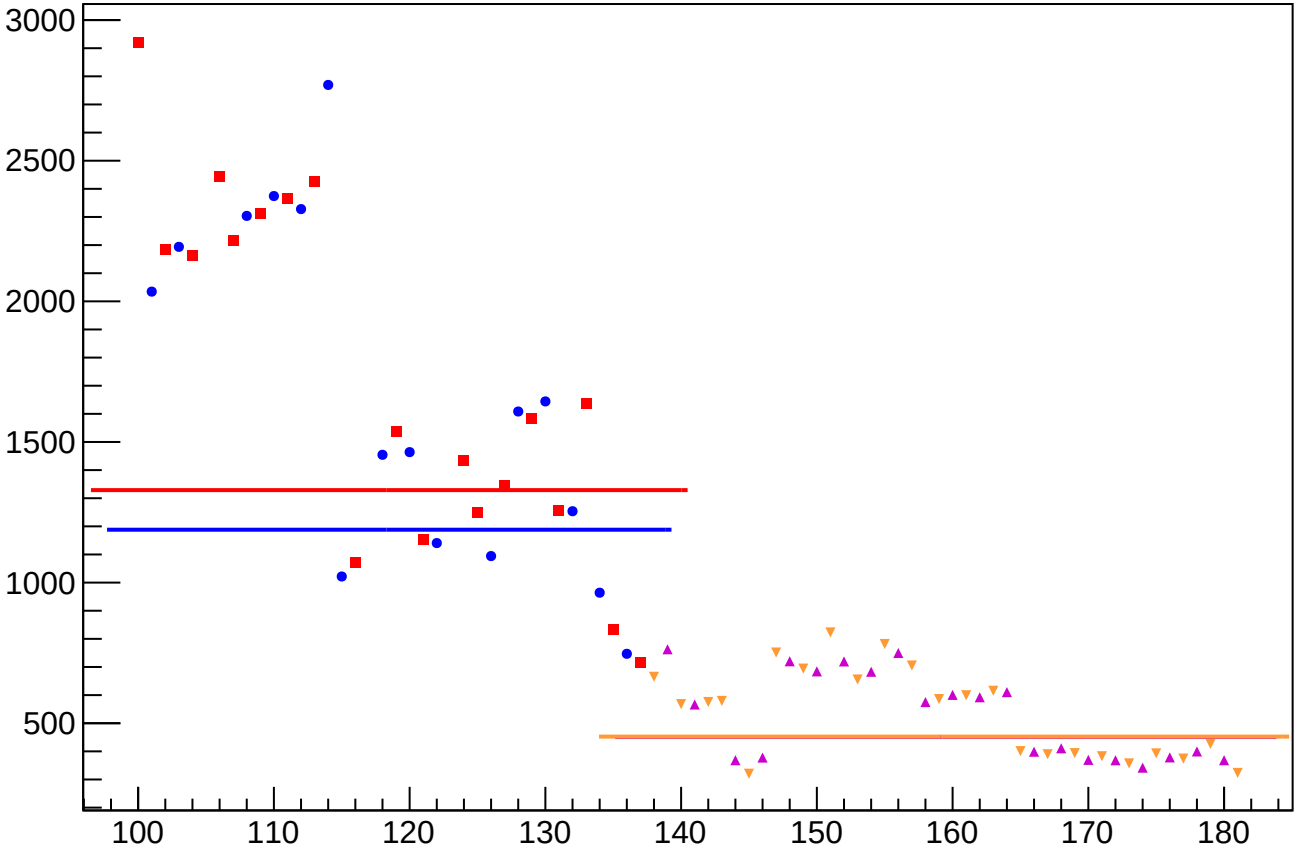
Left In: -63.240+/-113.505 χ^2/NDF:30.5/20

+ sign -350.070+/-108.079 χ^2/NDF: 72.0/38

All: -219.858+/-77.405 χ^2/NDF: 120.0/78

- sign -82.733+/-110.911 χ^2/NDF: 45.1/39

asym_sam_26_avg_reg_correction_rms vs Slug



Right In: 1188.069+/-0.339 χ^2/NDF: 2044635.7/15

Left Out: 452.538+/-0.078 χ^2/NDF:3015736.1/22

Right Out: 1328.816+/-0.369 χ^2/NDF: 1957758.3/18

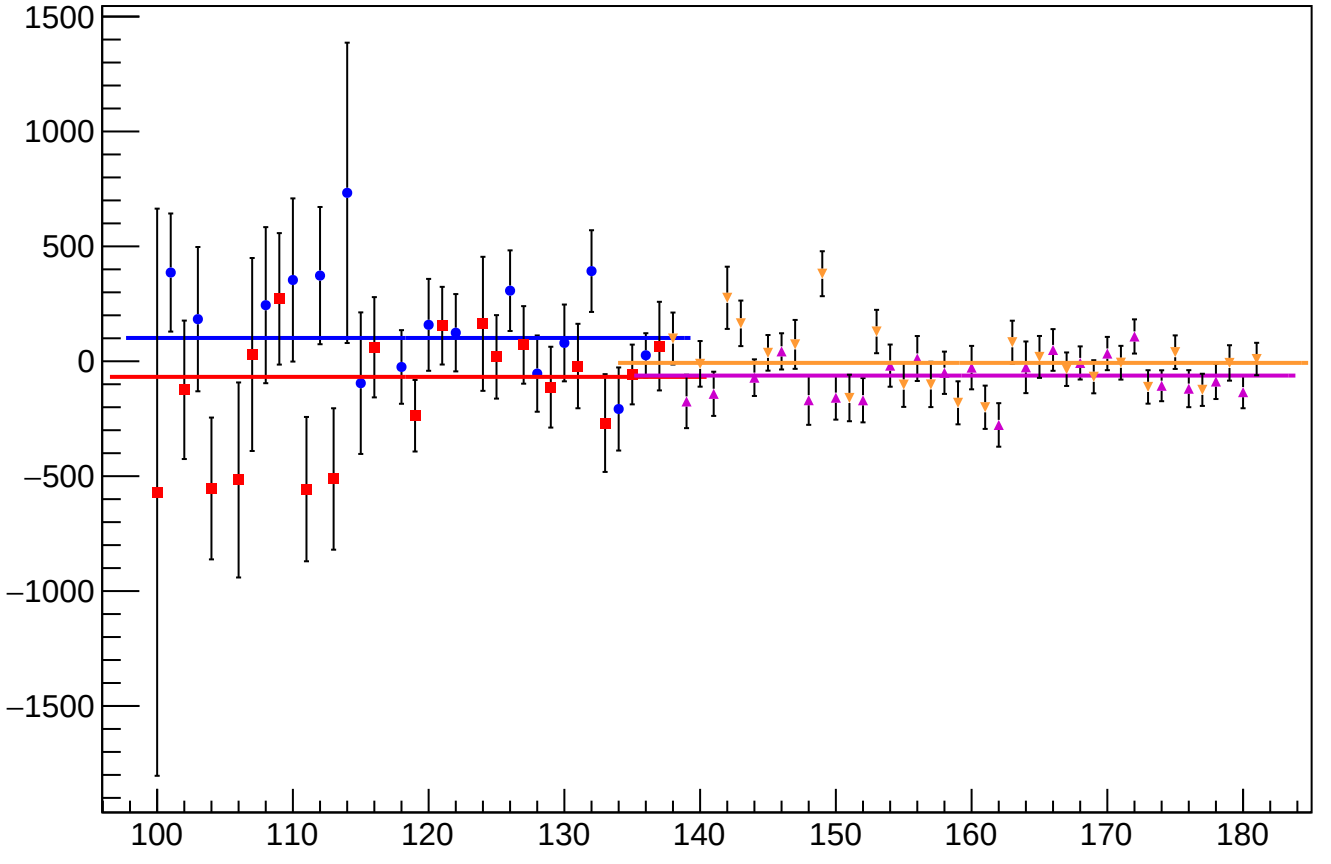
Left In: 450.908+/-0.080 χ^2/NDF:2534406.1/20

+ sign 489.999+/-0.076 χ^2/NDF: 9537781.4/38

All: 490.281+/-0.055 χ^2/NDF: 19436421.3/78

- sign 490.578+/-0.078 χ^2/NDF: 9898611.9/39

cor_asym_sam_26_avg_mean vs Slug



Right In: 101.446+/-47.631 χ^2/NDF: 13.3/15

Left Out: -7.012+/-17.987 χ^2/NDF:46.0/22

Right Out: -67.881+/-49.331 χ^2/NDF: 16.1/18

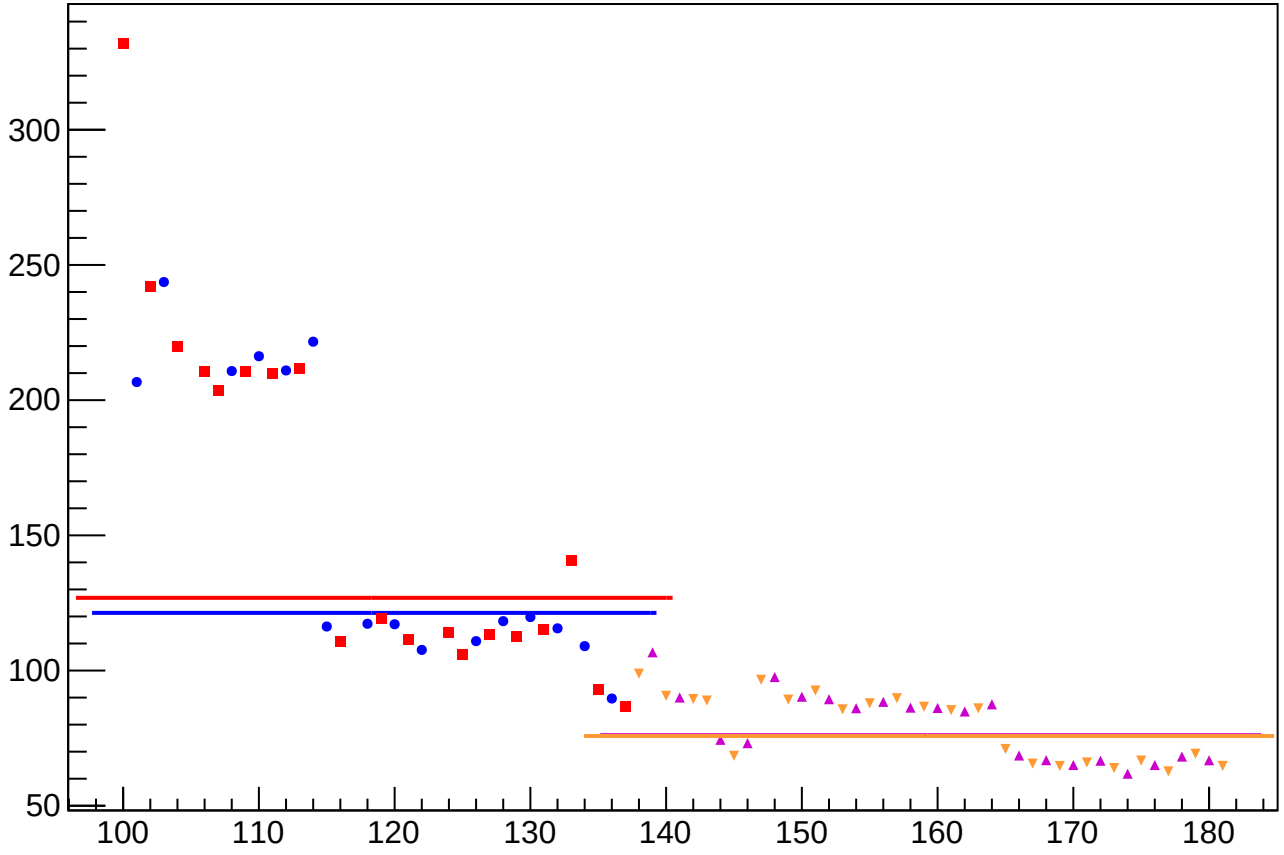
Left In: -62.273+/-18.622 χ^2/NDF:24.0/20

+ sign 6.525+/-16.828 χ^2/NDF: 63.8/38

All: -27.018+/-12.104 χ^2/NDF: 112.2/78

- sign -62.972+/-17.422 χ^2/NDF: 40.1/39

cor_asym_sam_26_avg_rms vs Slug



Right In: 121.325+/-0.034 χ^2/NDF: 1286654.0/15

Left Out: 75.784+/-0.013 χ^2/NDF:880052.6/22

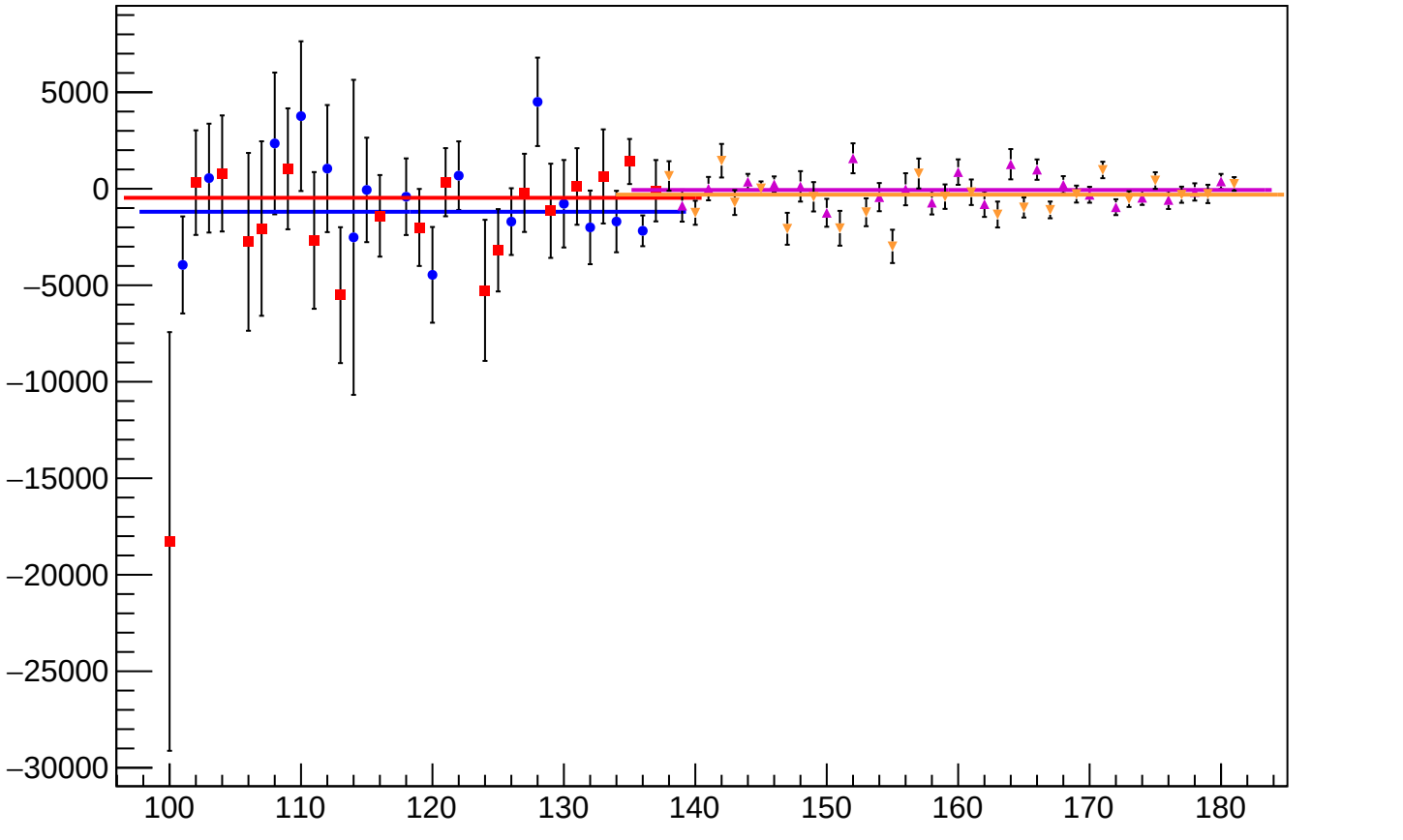
Right Out: 126.895+/-0.035 χ^2/NDF: 1465478.6/18

Left In: 76.096+/-0.013 χ^2/NDF:796652.7/20

\+ sign 81.468+/-0.012 χ^2/NDF: 3766921.4/38

All: 81.933+/-0.009 χ^2/NDF: 7888518.4/78

\- sign 82.432+/-0.012 χ^2/NDF: 4118427.8/39



Right In: -1192.145+/-478.909 χ^2/NDF: 15.9/15

Left Out: -304.878+/-110.941 χ^2/NDF:52.8/22

Right Out: -469.736+/-522.203 χ^2/NDF: 13.4/18

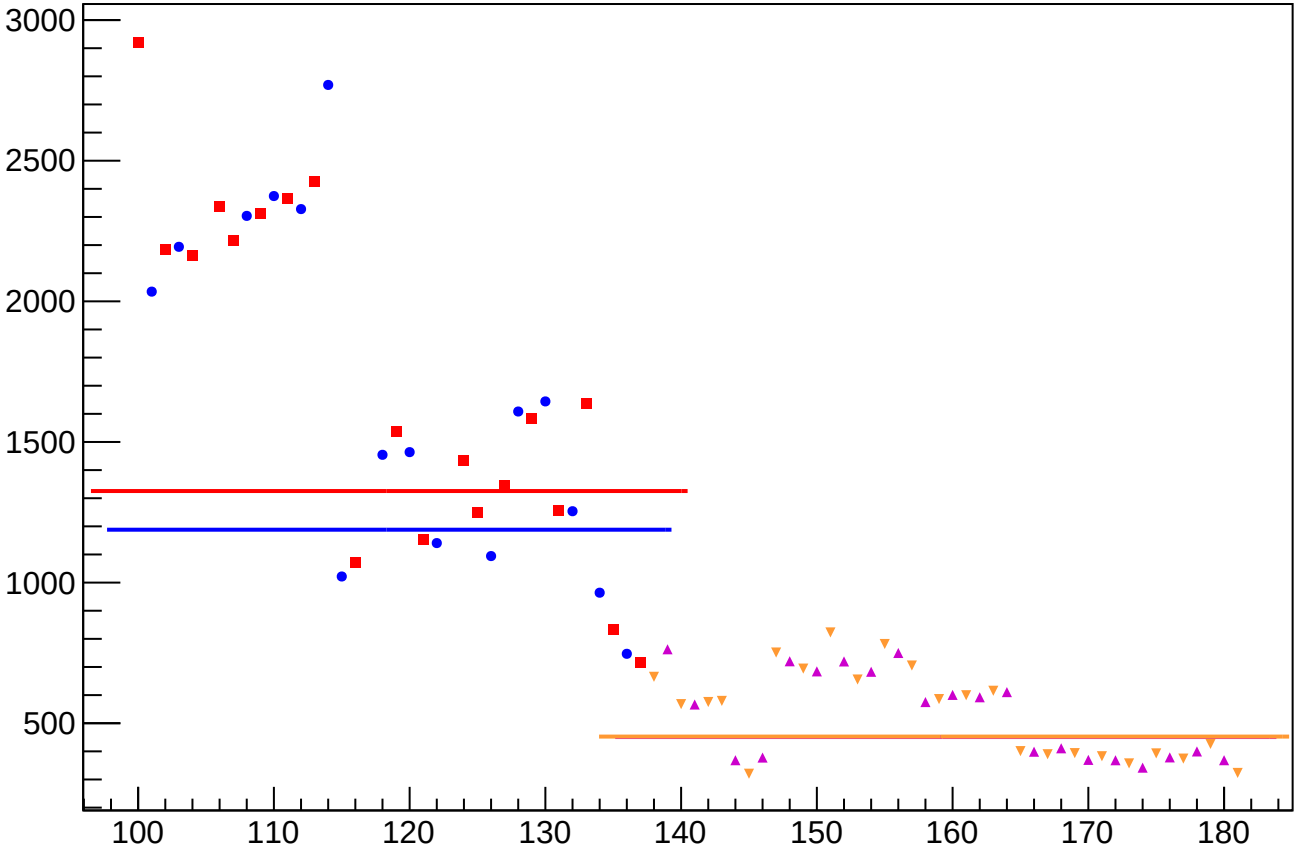
Left In: -63.239+/-113.505 χ^2/NDF:30.5/20

+ sign -350.066+/-108.079 χ^2/NDF: 72.0/38

All: -219.298+/-77.407 χ^2/NDF: 119.5/78

- sign -81.578+/-110.915 χ^2/NDF: 44.5/39

asym_sam_26_avg_cor_correction_rms vs Slug



Right In: 1188.069+/-0.339 χ^2/NDF: 2044666.3/15

Left Out: 452.537+/-0.078 χ^2/NDF:3015738.9/22

Right Out: 1325.564+/-0.369 χ^2/NDF: 1920986.7/18

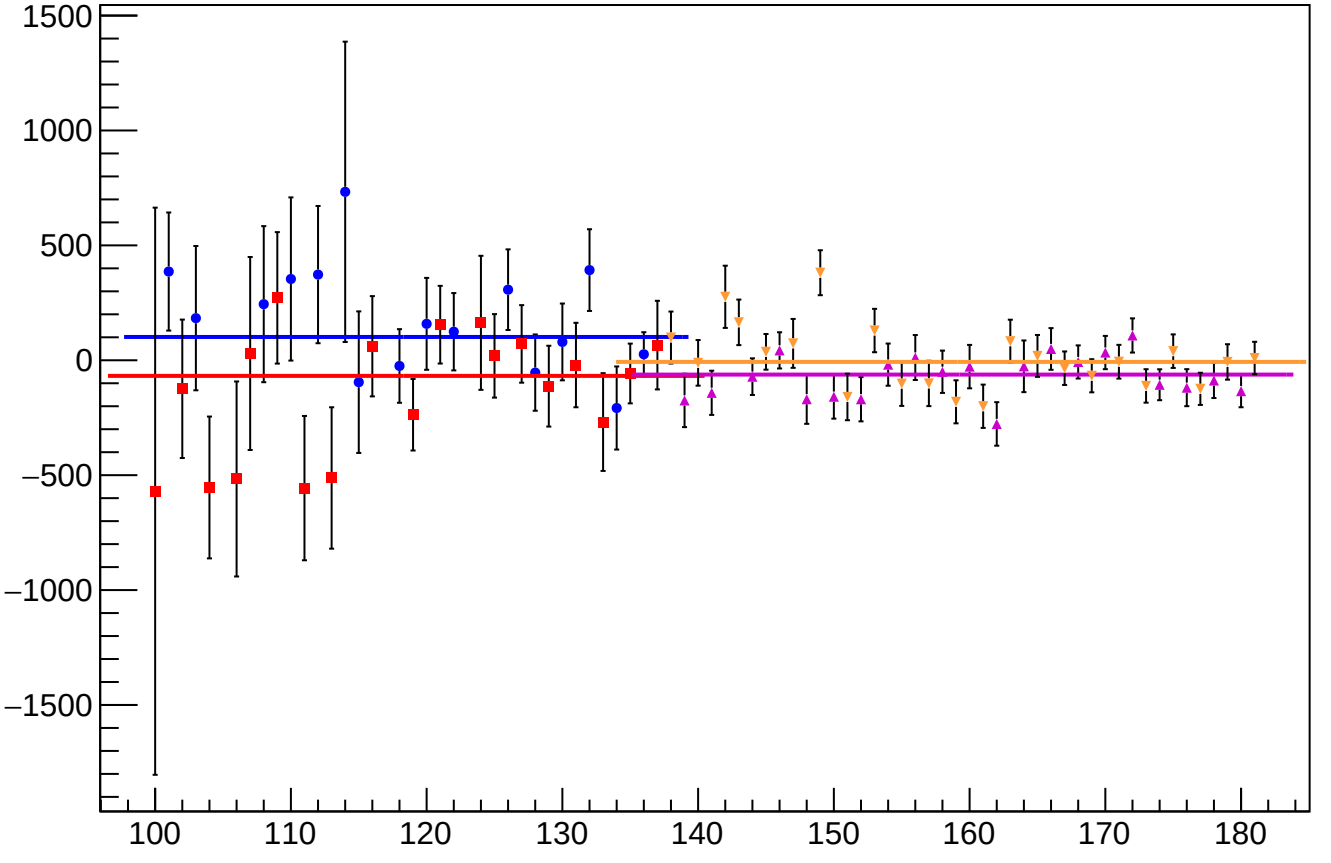
Left In: 450.909+/-0.080 χ^2/NDF:2534407.8/20

+ sign 489.998+/-0.076 χ^2/NDF: 9537803.1/38

All: 490.178+/-0.055 χ^2/NDF: 19350891.9/78

- sign 490.367+/-0.078 χ^2/NDF: 9813077.5/39

eigen_cor_asym_sam_26_avg_mean vs Slug



Right In: 101.446+/-47.631 χ^2/NDF: 13.3/15

Left Out: -7.012+/-17.987 χ^2/NDF:46.0/22

Right Out: -67.881+/-49.331 χ^2/NDF: 16.1/18

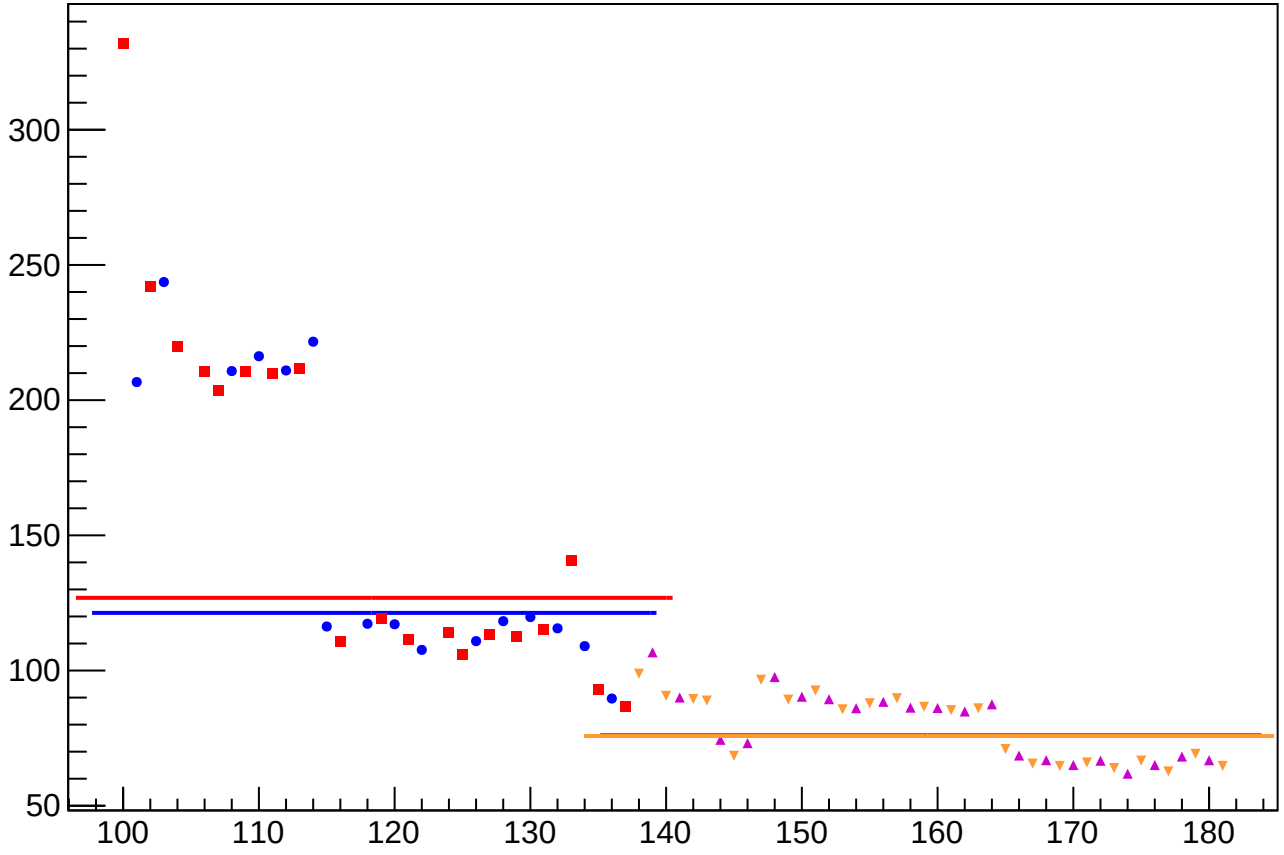
Left In: -62.273+/-18.622 χ^2/NDF:24.0/20

+ sign 6.525+/-16.828 χ^2/NDF: 63.8/38

All: -27.018+/-12.104 χ^2/NDF: 112.2/78

- sign -62.972+/-17.422 χ^2/NDF: 40.1/39

eigen_cor_asym_sam_26_avg_rms vs Slug



Right In: 121.325+/-0.034 χ^2/NDF: 1286654.0/15

Left Out: 75.784+/-0.013 χ^2/NDF:880052.6/22

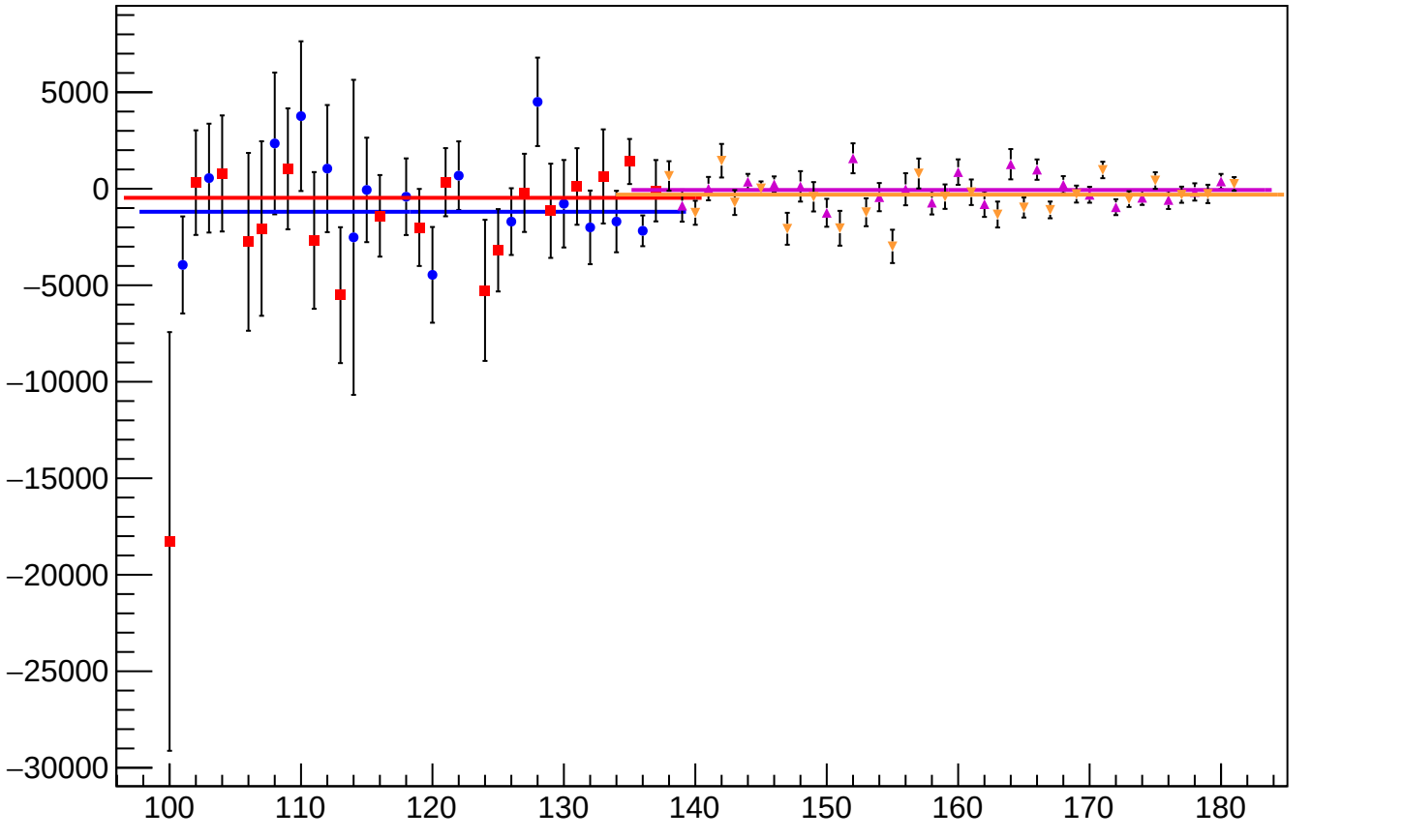
Right Out: 126.895+/-0.035 χ^2/NDF: 1465478.6/18

Left In: 76.096+/-0.013 χ^2/NDF:796652.7/20

\+ sign 81.468+/-0.012 χ^2/NDF: 3766921.4/38

All: 81.933+/-0.009 χ^2/NDF: 7888518.4/78

\- sign 82.432+/-0.012 χ^2/NDF: 4118427.8/39



Right In: -1192.145+/-478.909 χ^2/NDF: 15.9/15

Left Out: -304.878+/-110.941 χ^2/NDF:52.8/22

Right Out: -469.736+/-522.203 χ^2/NDF: 13.4/18

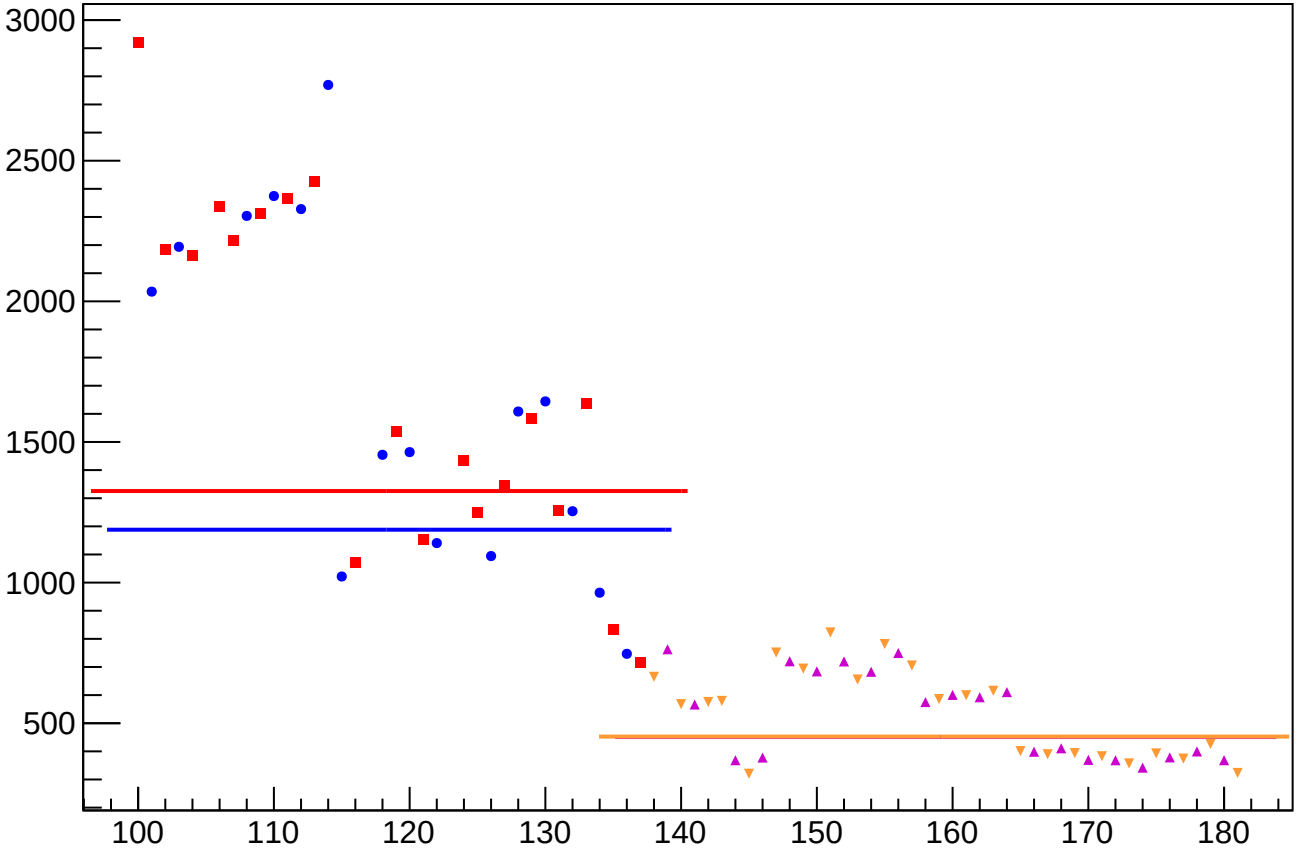
Left In: -63.239+/-113.505 χ^2/NDF:30.5/20

+ sign -350.066+/-108.079 χ^2/NDF: 72.0/38

All: -219.298+/-77.407 χ^2/NDF: 119.5/78

- sign -81.578+/-110.915 χ^2/NDF: 44.5/39

asym_sam_26_avg_eigen_cor_correction_rms vs Slug



Right In: 1188.069+/-0.339 χ^2/NDF: 2044666.3/15

Left Out: 452.537+/-0.078 χ^2/NDF:3015738.9/22

Right Out: 1325.564+/-0.369 χ^2/NDF: 1920986.7/18

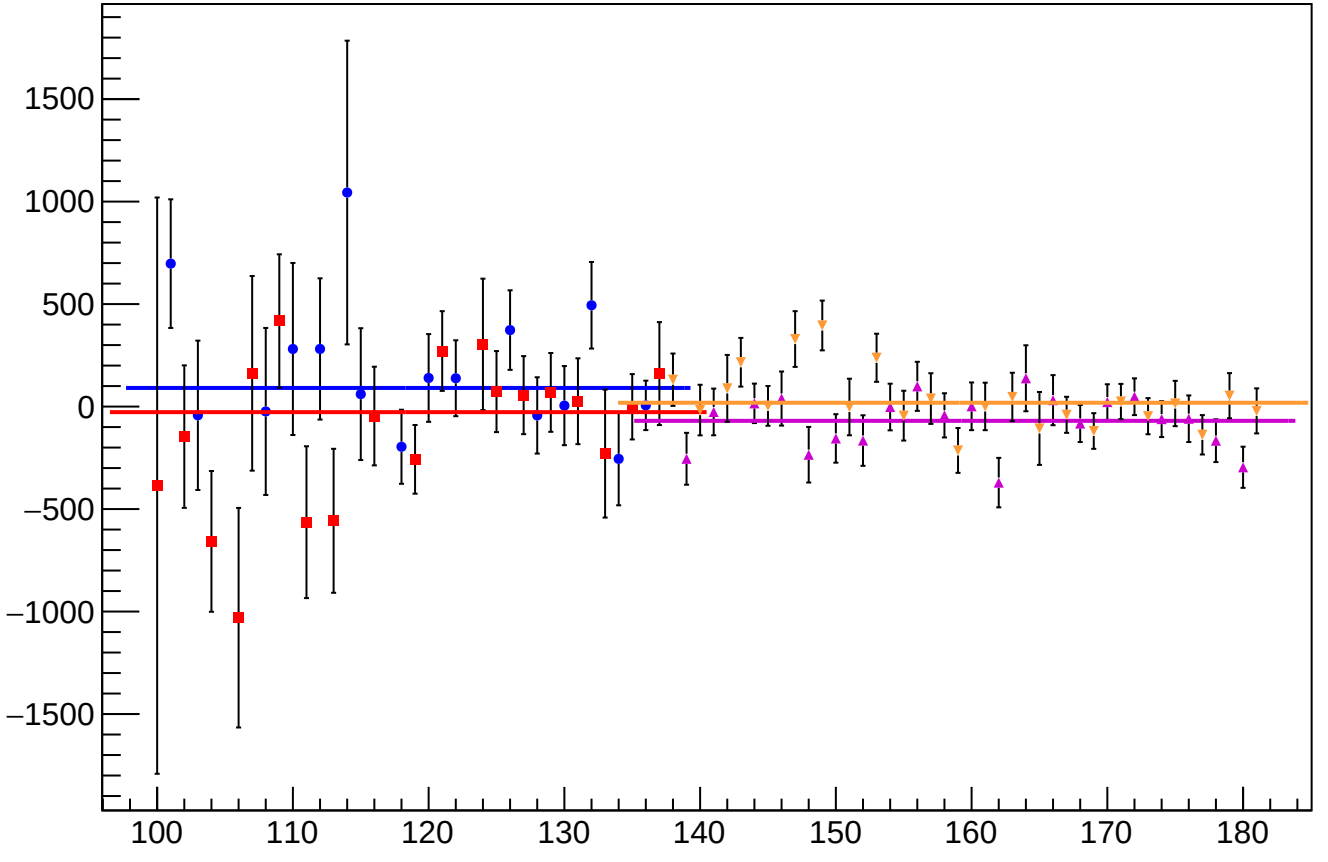
Left In: 450.909+/-0.080 χ^2/NDF:2534407.8/20

+ sign 489.998+/-0.076 χ^2/NDF: 9537803.1/38

All: 490.178+/-0.055 χ^2/NDF: 19350891.9/78

- sign 490.367+/-0.078 χ^2/NDF: 9813077.5/39

dit_asym_sam_26_avg_mean vs Slug



Right In: 90.908+/-55.565 χ^2/NDF: 18.1/15

Left Out: 18.661+/-23.157 χ^2/NDF:34.0/22

Right Out: -27.170+/-57.015 χ^2/NDF: 20.6/18

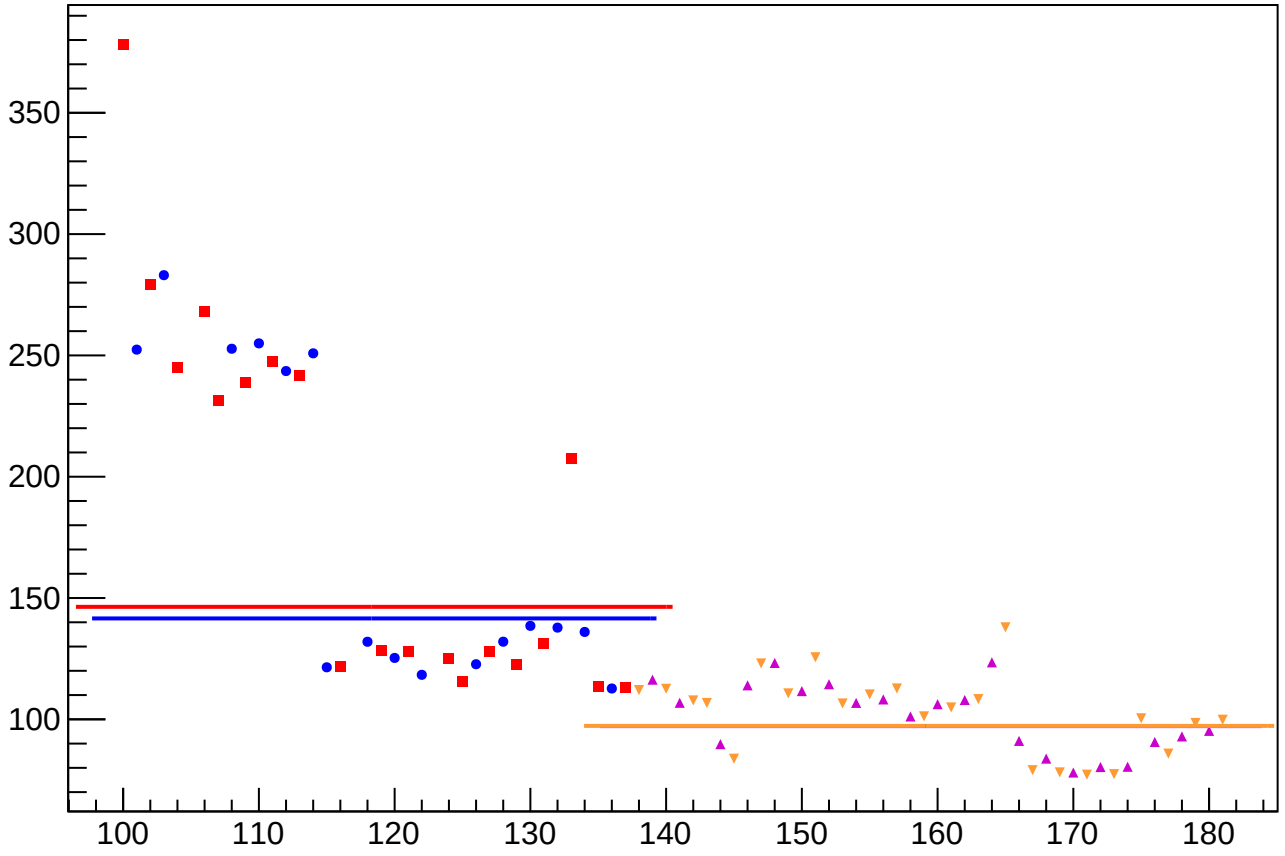
Left In: -69.562+/-23.867 χ^2/NDF:26.5/20

+ sign 29.352+/-21.375 χ^2/NDF: 53.5/38

All: -15.577+/-15.336 χ^2/NDF: 110.2/78

- sign -63.242+/-22.016 χ^2/NDF: 47.5/39

dit_asym_sam_26_avg_rms vs Slug



Right In: 141.586+/-0.039 χ^2/NDF: 1262366.8/15

Left Out: 97.296+/-0.016 χ^2/NDF:922535.8/22

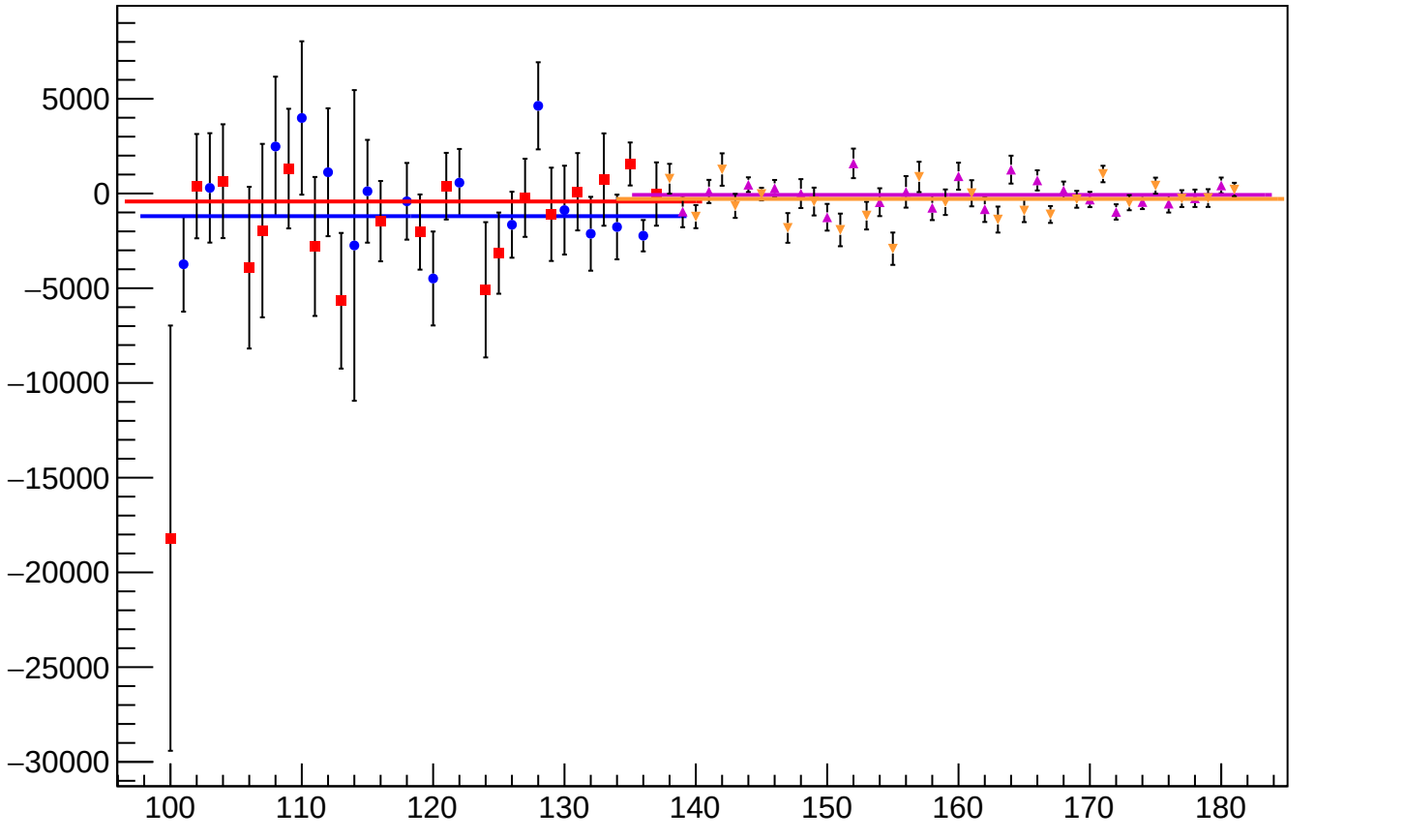
Right Out: 146.368+/-0.040 χ^2/NDF: 1513656.0/18

Left In: 97.208+/-0.017 χ^2/NDF:662394.8/20

+ sign 103.850+/-0.015 χ^2/NDF: 3267571.7/38

All: 104.184+/-0.011 χ^2/NDF: 6709835.4/78

- sign 104.538+/-0.016 χ^2/NDF: 3441260.0/39



Right In: -1196.663+/-491.384 χ^2/NDF: 16.0/15

Left Out: -286.403+/-111.487 χ^2/NDF:50.1/22

Right Out: -422.161+/-523.834 χ^2/NDF: 14.3/18

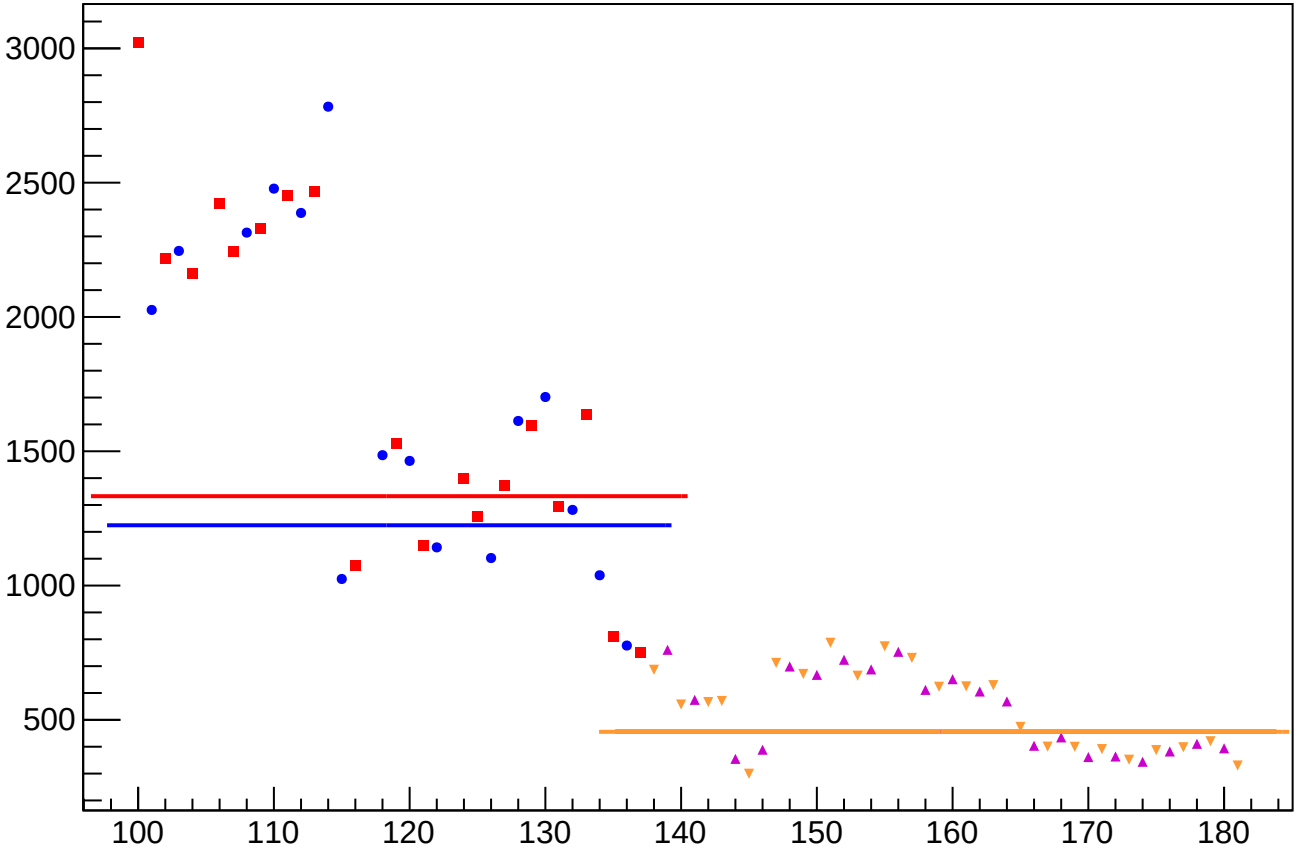
Left In: -76.536+/-115.062 χ^2/NDF:30.2/20

+ sign -330.966+/-108.724 χ^2/NDF: 69.3/38

All: -215.651+/-78.141 χ^2/NDF: 116.5/78

- sign -92.444+/-112.383 χ^2/NDF: 44.9/39

asym_sam_26_avg_dit_correction_rms vs Slug



Right In: 1224.470+/-0.347 χ^2/NDF: 1959362.3/15

Left Out: 455.531+/-0.079 χ^2/NDF:3077801.5/22

Right Out: 1332.785+/-0.370 χ^2/NDF: 1994811.5/18

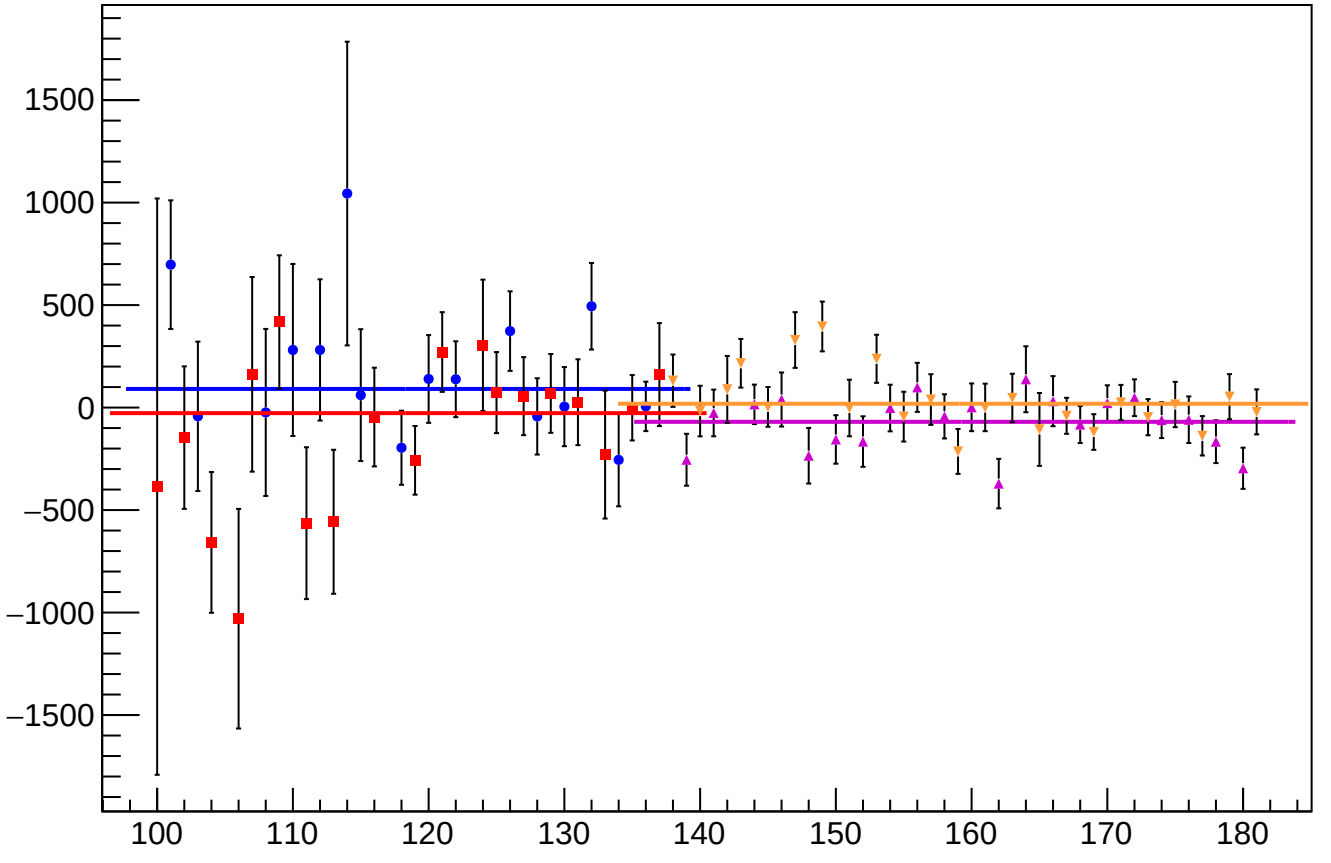
Left In: 456.494+/-0.081 χ^2/NDF:2538049.5/20

\+ sign 493.175+/-0.077 χ^2/NDF: 9694873.4/38

All: 494.941+/-0.055 χ^2/NDF: 19568012.4/78

\- sign 496.827+/-0.079 χ^2/NDF: 9872048.4/39

eigen_dit_asym_sam_26_avg_mean vs Slug



Right In: 90.910+/-55.564 χ^2/NDF: 18.1/15

Left Out: 18.659+/-23.157 χ^2/NDF:34.0/22

Right Out: -27.170+/-57.015 χ^2/NDF: 20.6/18

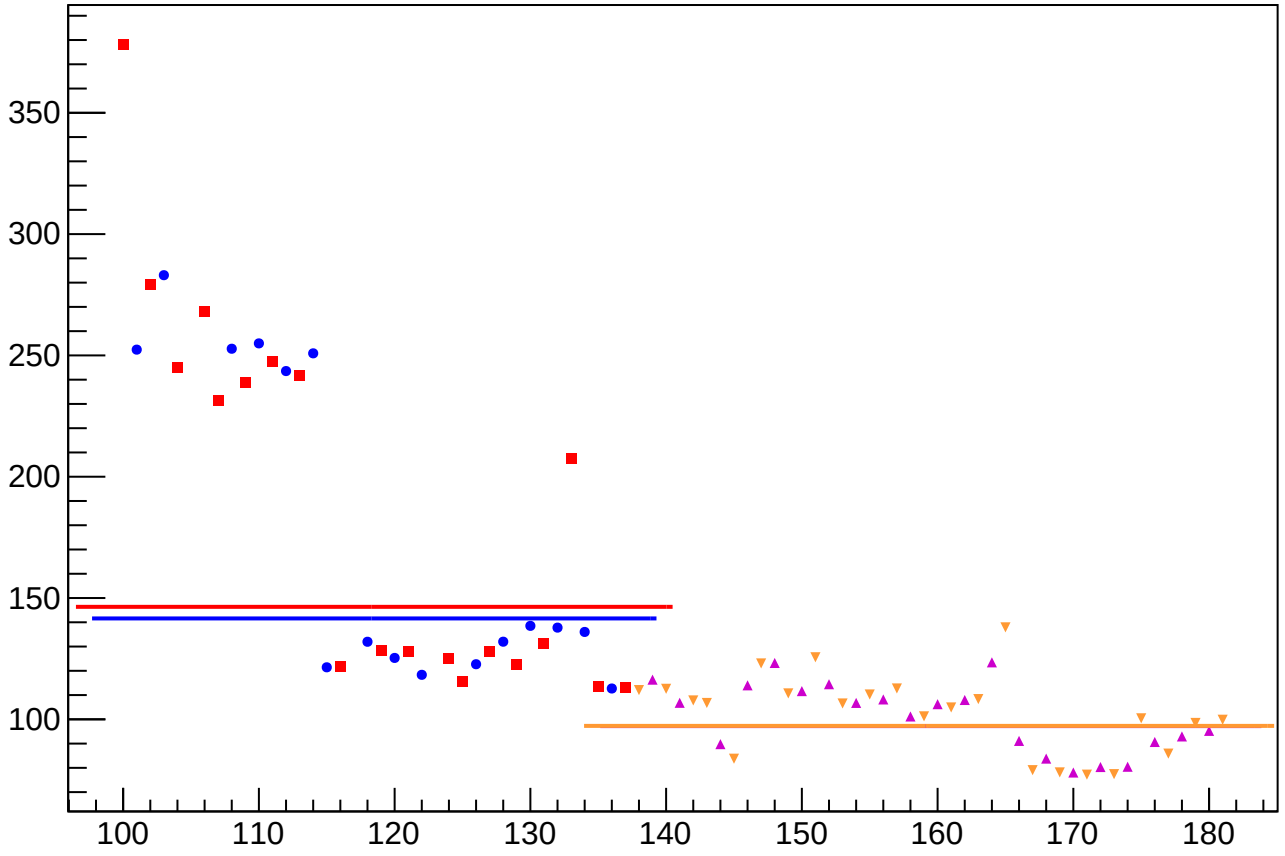
Left In: -69.562+/-23.867 χ^2/NDF:26.5/20

+ sign 29.351+/-21.375 χ^2/NDF: 53.5/38

All: -15.577+/-15.336 χ^2/NDF: 110.2/78

- sign -63.241+/-22.016 χ^2/NDF: 47.5/39

eigen_dit_asym_sam_26_avg_rms vs Slug



Right In: 141.586+/-0.039 χ^2/NDF: 1262350.2/15

Left Out: 97.296+/-0.016 χ^2/NDF:922535.7/22

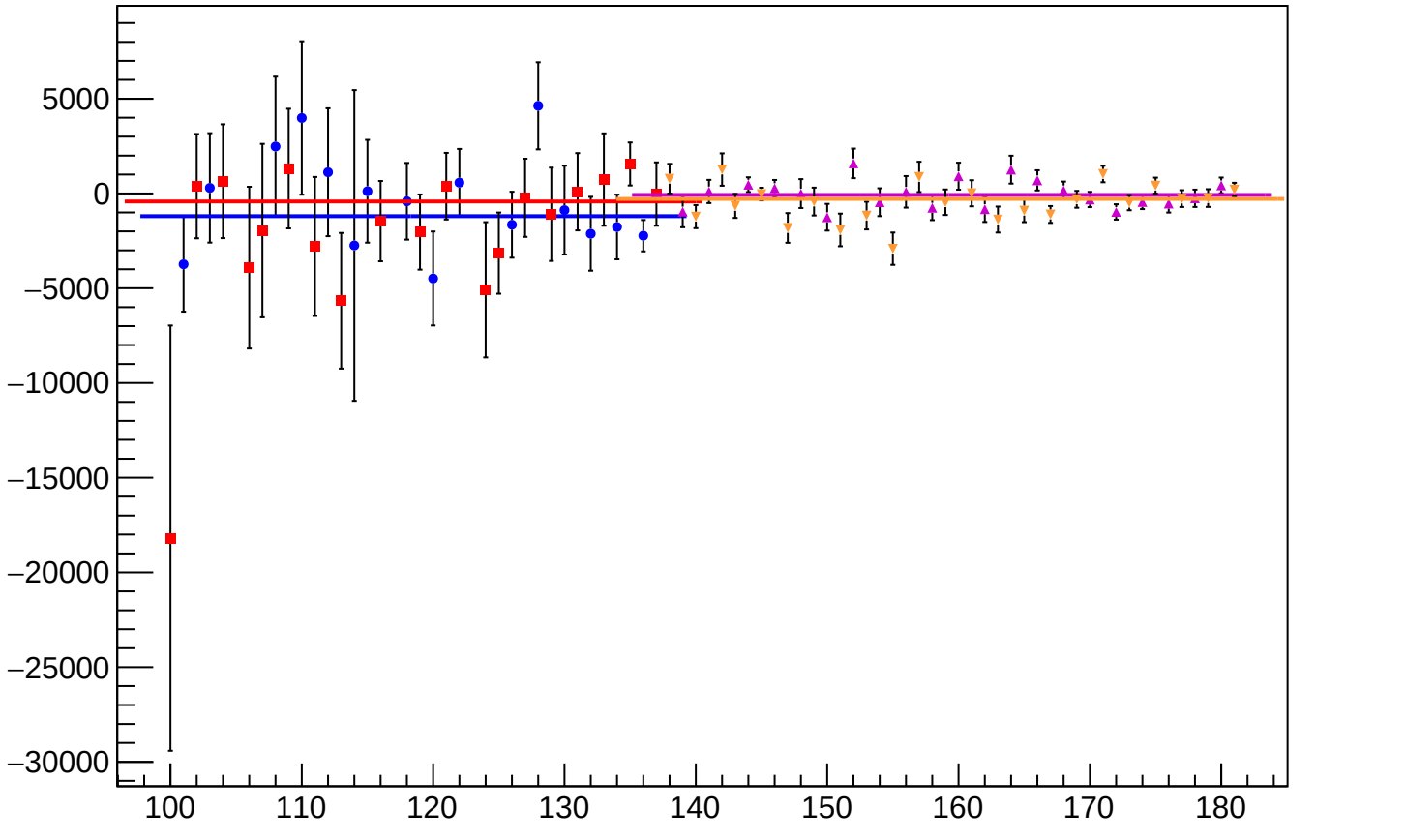
Right Out: 146.368+/-0.040 χ^2/NDF: 1513641.5/18

Left In: 97.208+/-0.017 χ^2/NDF:662384.1/20

+ sign 103.850+/-0.015 χ^2/NDF: 3267517.2/38

All: 104.184+/-0.011 χ^2/NDF: 6709721.4/78

- sign 104.538+/-0.016 χ^2/NDF: 3441200.1/39



Right In: -1196.659+/-491.383 χ^2/NDF: 16.0/15

Left Out: -286.402+/-111.487 χ^2/NDF:50.1/22

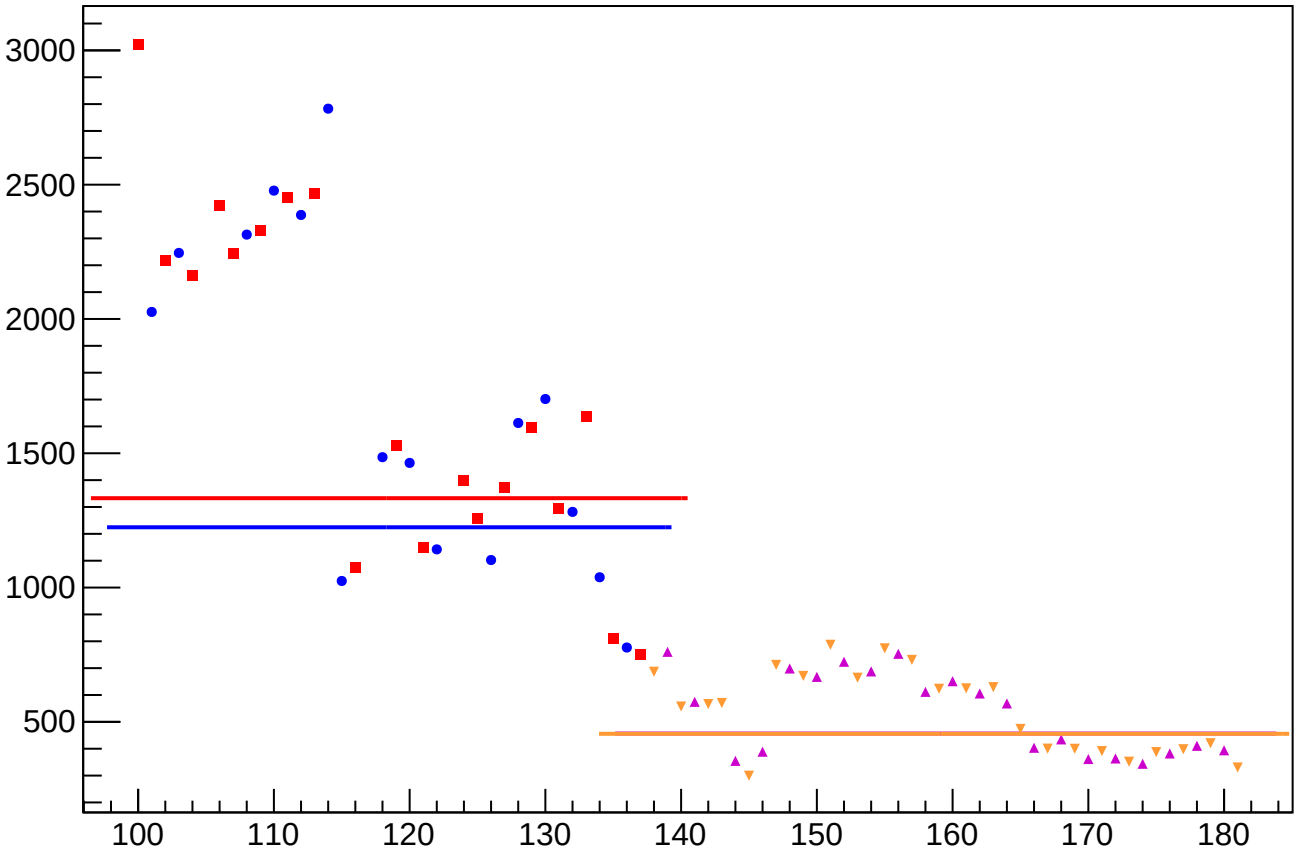
Right Out: -422.163+/-523.833 χ^2/NDF: 14.3/18

Left In: -76.536+/-115.062 χ^2/NDF:30.2/20

+ sign -330.965+/-108.724 χ^2/NDF: 69.3/38

All: -215.650+/-78.141 χ^2/NDF: 116.5/78

- sign -92.444+/-112.383 χ^2/NDF: 44.9/39



Right In: 1224.470+/-0.347 χ^2/NDF: 1959341.1/15

Left Out: 455.530+/-0.079 χ^2/NDF:3077827.3/22

Right Out: 1332.784+/-0.370 χ^2/NDF: 1994794.3/18

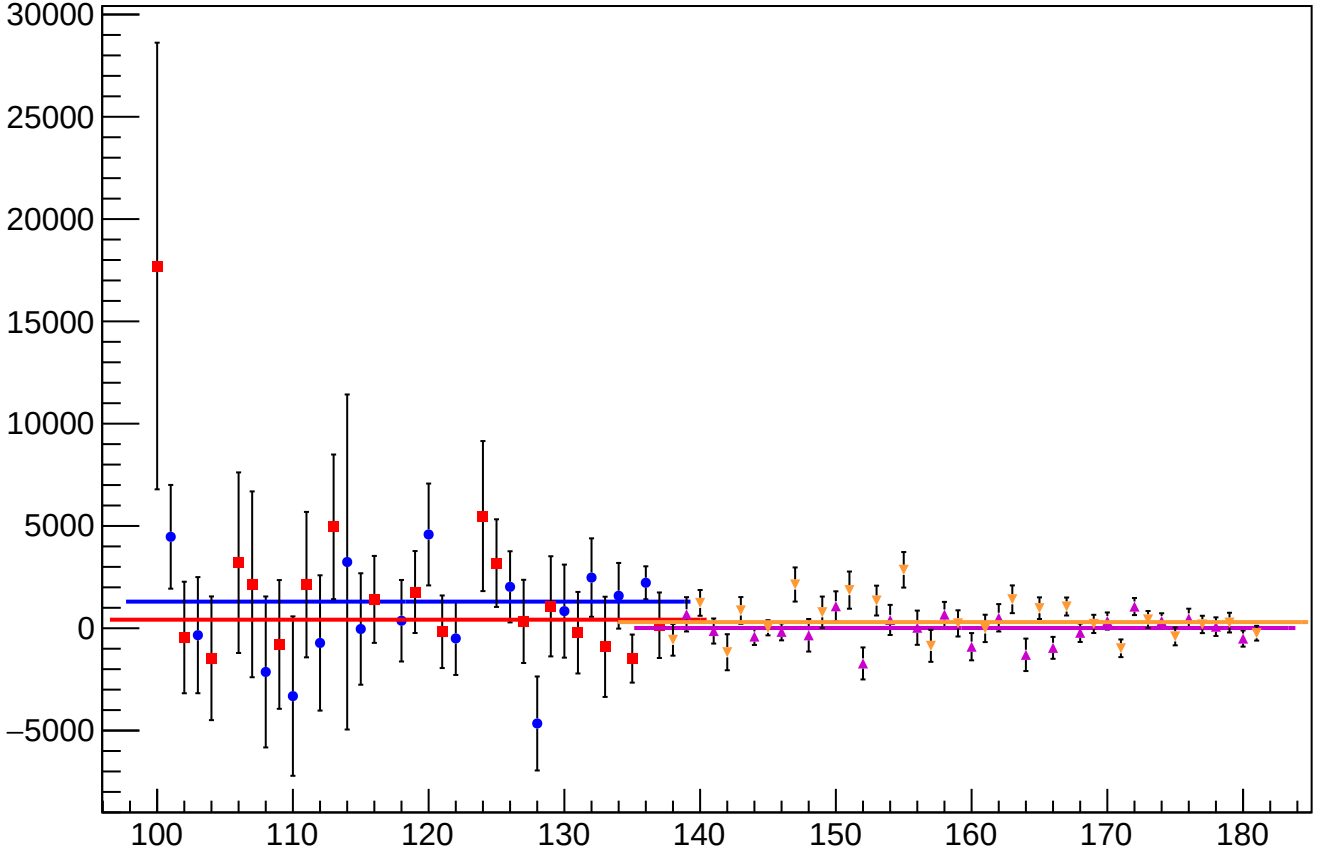
Left In: 456.494+/-0.081 χ^2/NDF:2538049.2/20

+ sign 493.175+/-0.077 χ^2/NDF: 9694890.3/38

All: 494.940+/-0.055 χ^2/NDF: 19568015.7/78

- sign 496.827+/-0.079 χ^2/NDF: 9872034.3/39

asym_sam_26_avg_mean vs Slug



Right In: 1301.623+/-481.959 χ^2/NDF: 16.5/15

Left Out: 300.549+/-112.559 χ^2/NDF:50.1/22

Right Out: 418.283+/-524.515 χ^2/NDF: 13.0/18

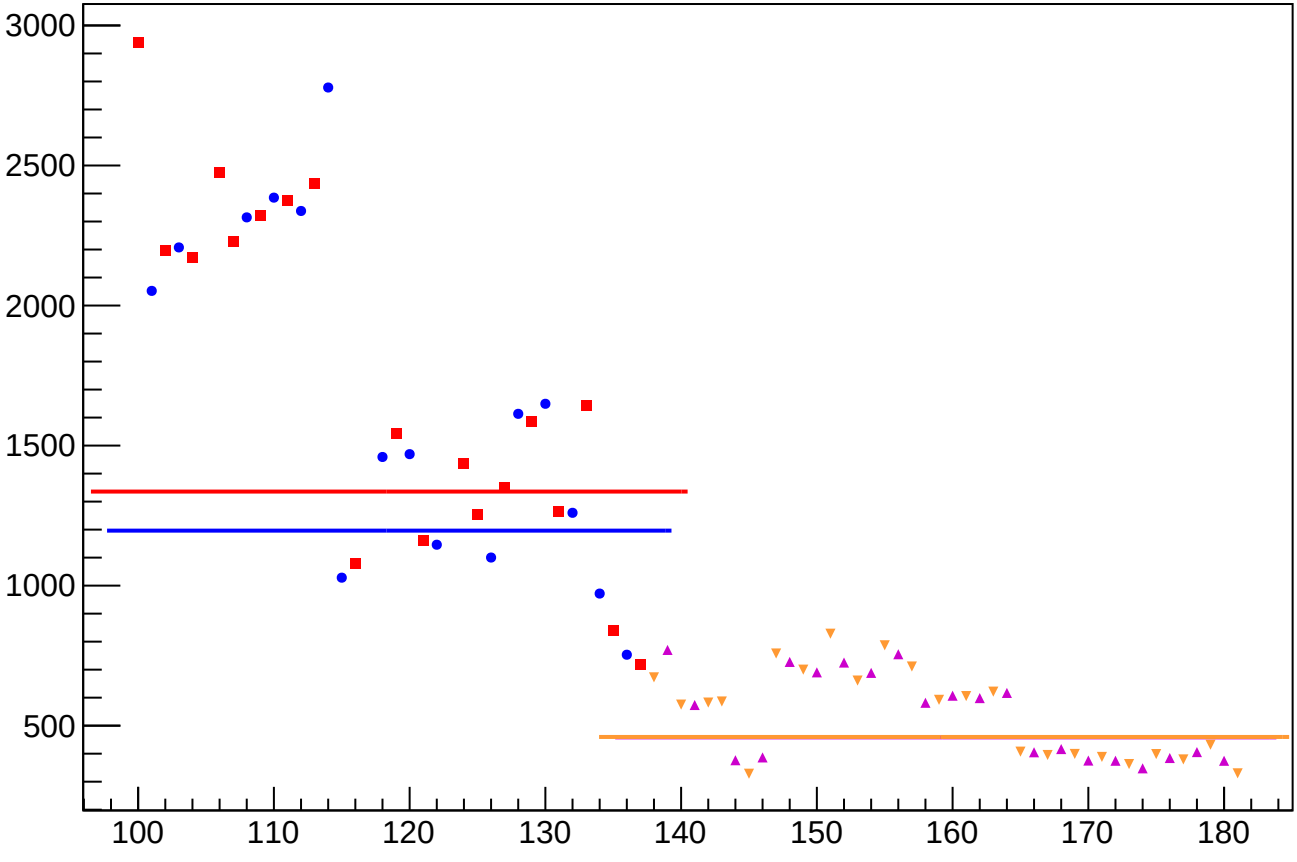
Left In: 11.768+/-115.207 χ^2/NDF:29.8/20

\+ sign 352.327+/-109.610 χ^2/NDF: 70.7/38

All: 195.625+/-78.516 χ^2/NDF: 118.3/78

\- sign 30.477+/-112.525 χ^2/NDF: 43.4/39

asym_sam_26_avg_rms vs Slug



Right In: 1196.353+/-0.341 χ^2/NDF: 2031710.2/15

Left Out: 459.678+/-0.080 χ^2/NDF:2943250.5/22

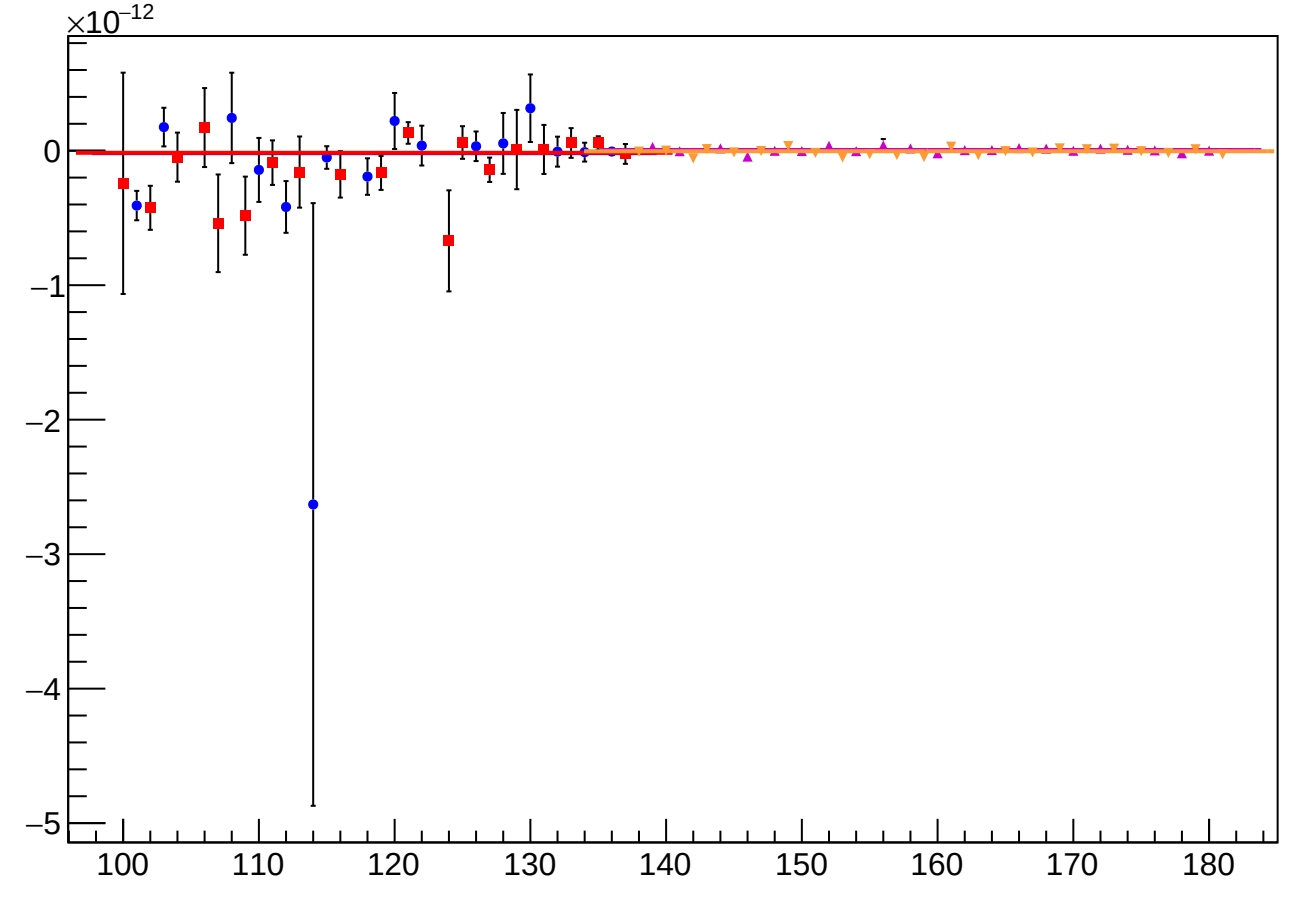
Right Out: 1335.809+/-0.371 χ^2/NDF: 1951472.1/18

Left In: 458.148+/-0.081 χ^2/NDF:2475573.3/20

+ sign 497.781+/-0.078 χ^2/NDF: 9405919.9/38

All: 498.151+/-0.056 χ^2/NDF: 19175027.6/78

- sign 498.541+/-0.080 χ^2/NDF: 9769060.8/39



Right In: -0.000+/-0.000 χ^2/NDF: 26.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.2/22

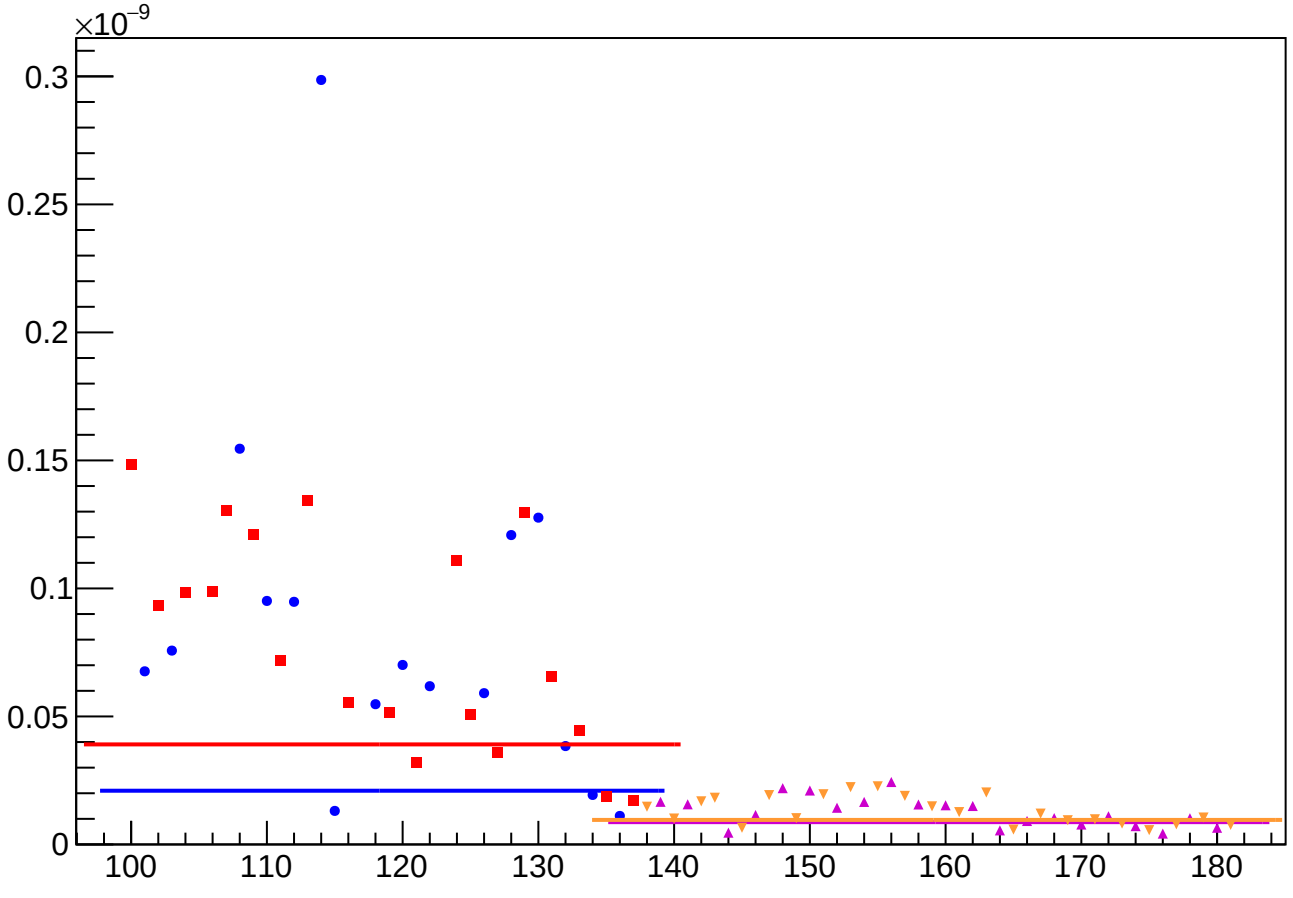
Right Out: -0.000+/-0.000 χ^2/NDF: 25.6/18

Left In: 0.000+/-0.000 χ^2/NDF:15.2/20

+ sign -0.000+/-0.000 χ^2/NDF: 48.5/38

All: -0.000+/-0.000 χ^2/NDF: 93.0/78

- sign 0.000+/-0.000 χ^2/NDF: 41.4/39



Right In: 0.000+/-0.000 χ^2/NDF: 3380958.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:2398609.6/22

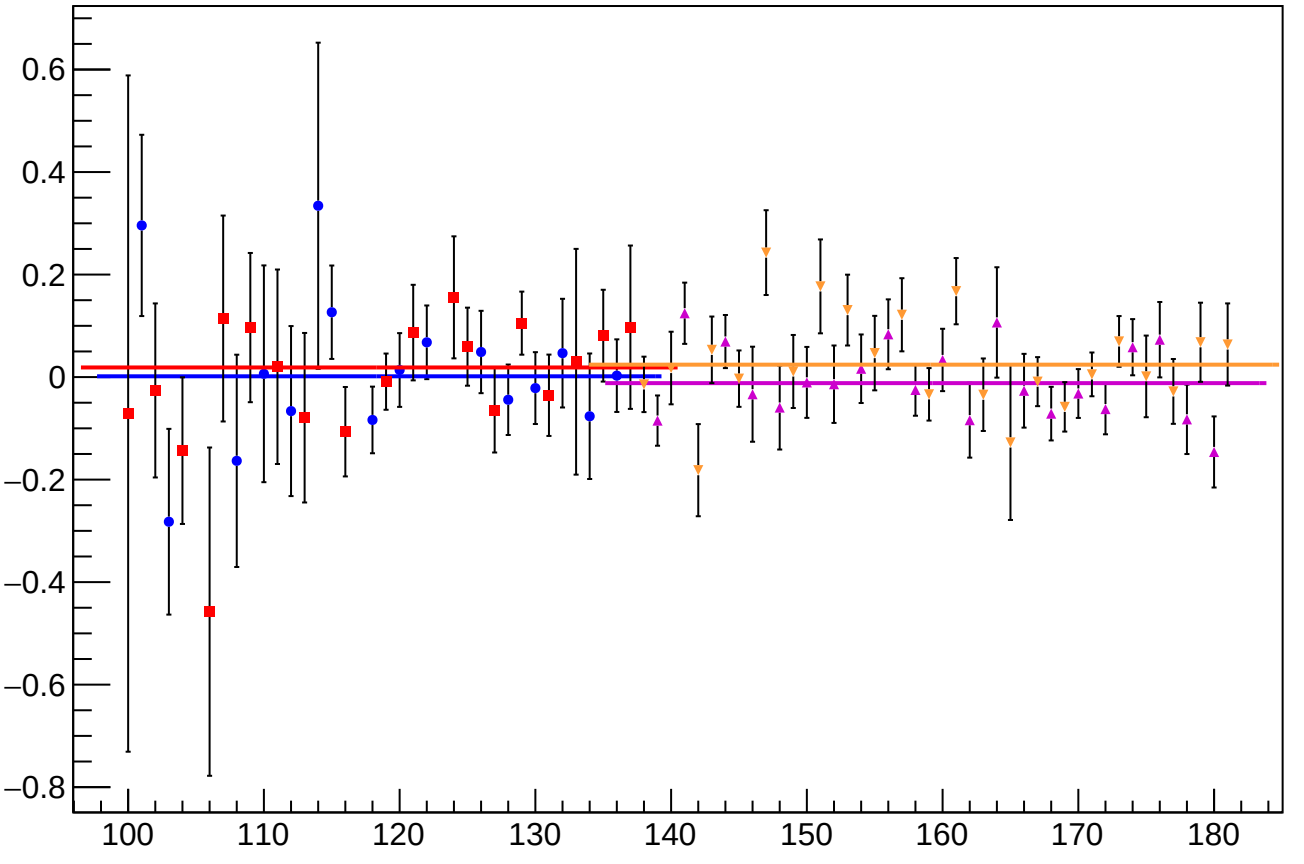
Right Out: 0.000+/-0.000 χ^2/NDF: 2073862.3/18

Left In: 0.000+/-0.000 χ^2/NDF:2649866.7/20

+ sign 0.000+/-0.000 χ^2/NDF: 6560616.9/38

All: 0.000+/-0.000 χ^2/NDF: 13702345.2/78

- sign 0.000+/-0.000 χ^2/NDF: 7099646.9/39



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.024+/-0.013 χ^2/NDF:34.0/22

Right Out: 0.019+/-0.024 χ^2/NDF: 13.1/18

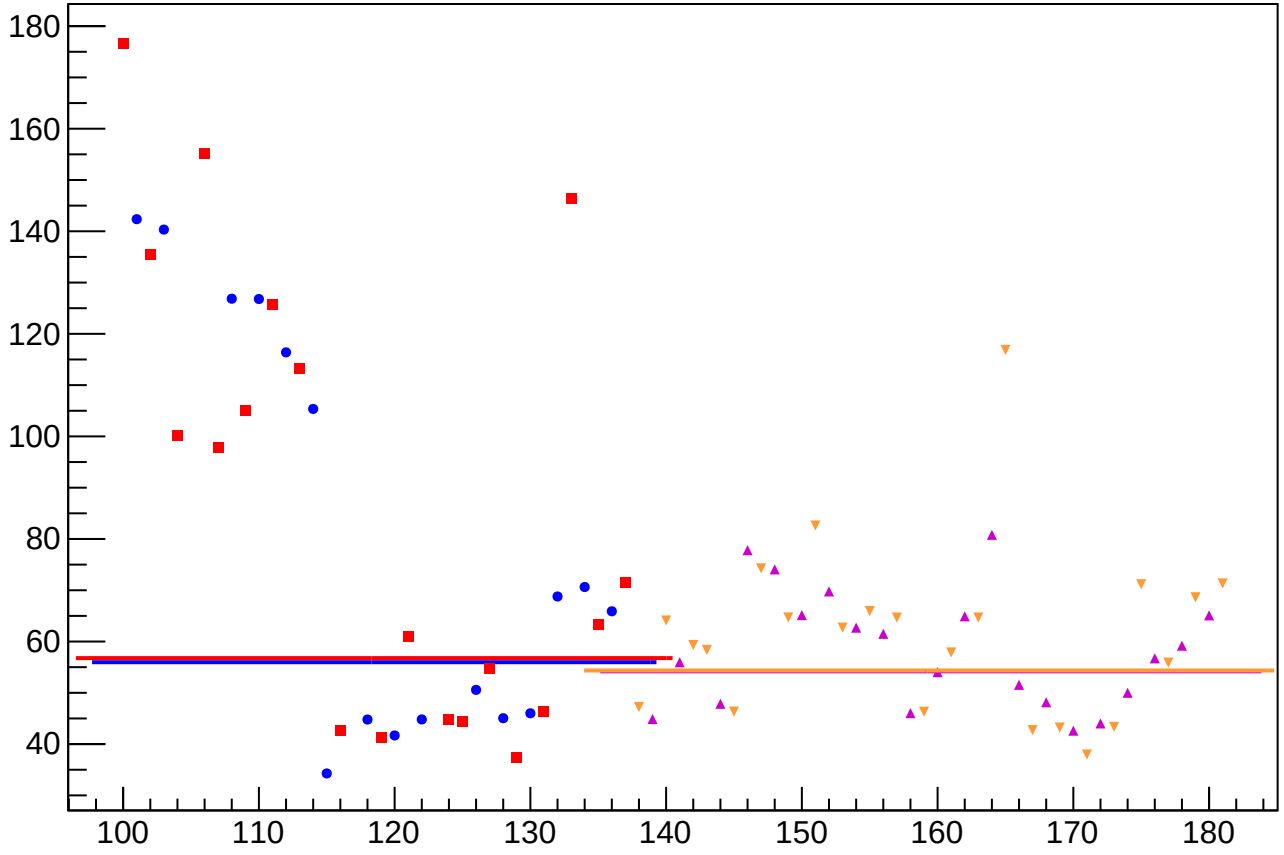
Left In: -0.012+/-0.014 χ^2/NDF:25.6/20

+ sign 0.019+/-0.012 χ^2/NDF: 47.8/38

All: 0.007+/-0.008 χ^2/NDF: 89.7/78

- sign -0.004+/-0.012 χ^2/NDF: 40.0/39

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: 54.356+/-0.009 χ^2/NDF:1905225.5/22

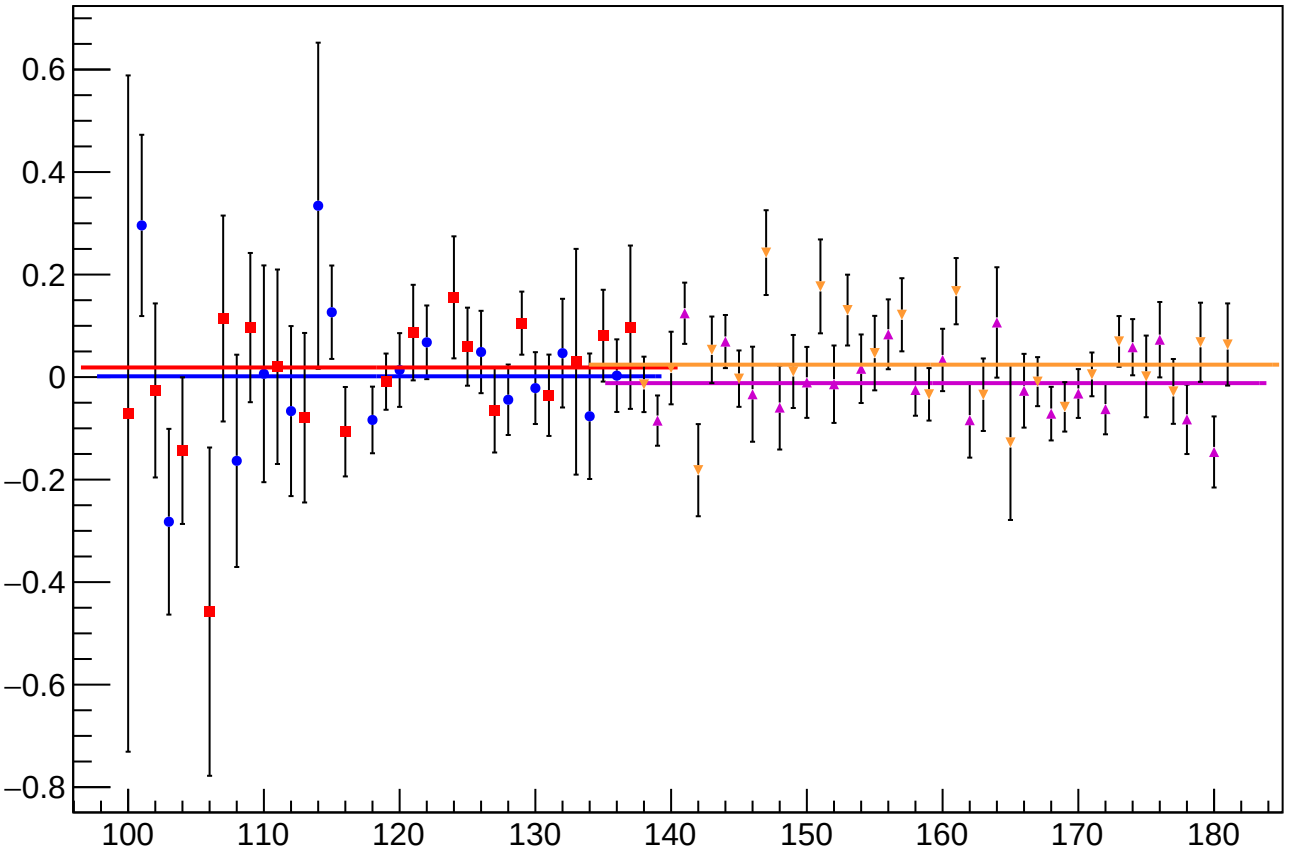
Right Out: 56.770+/-0.017 χ^2/NDF: 2553223.5/18

Left In: 54.184+/-0.010 χ^2/NDF:1066635.0/20

\+ sign 54.746+/-0.008 χ^2/NDF: 4092239.3/38

All: 54.786+/-0.006 χ^2/NDF: 7730316.9/78

\- sign 54.828+/-0.008 χ^2/NDF: 3638028.3/39



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.024+/-0.013 χ^2/NDF:34.0/22

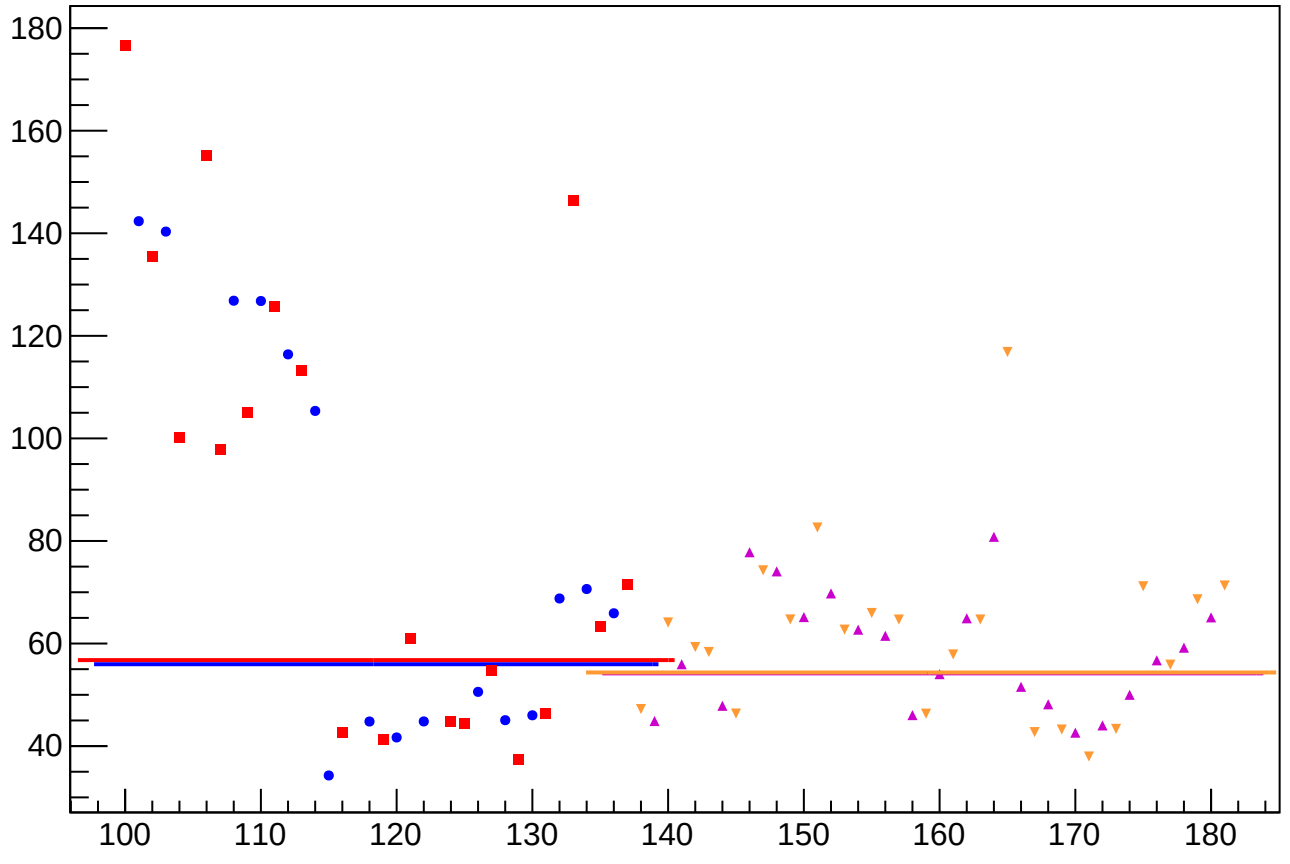
Right Out: 0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: -0.012+/-0.014 χ^2/NDF:25.6/20

+ sign 0.019+/-0.012 χ^2/NDF: 47.8/38

All: 0.007+/-0.008 χ^2/NDF: 89.7/78

- sign -0.004+/-0.012 χ^2/NDF: 40.0/39



Right In: 55.968+/-0.017 χ^2/NDF: 2179829.3/15

Left Out: 54.356+/-0.009 χ^2/NDF:1905225.5/22

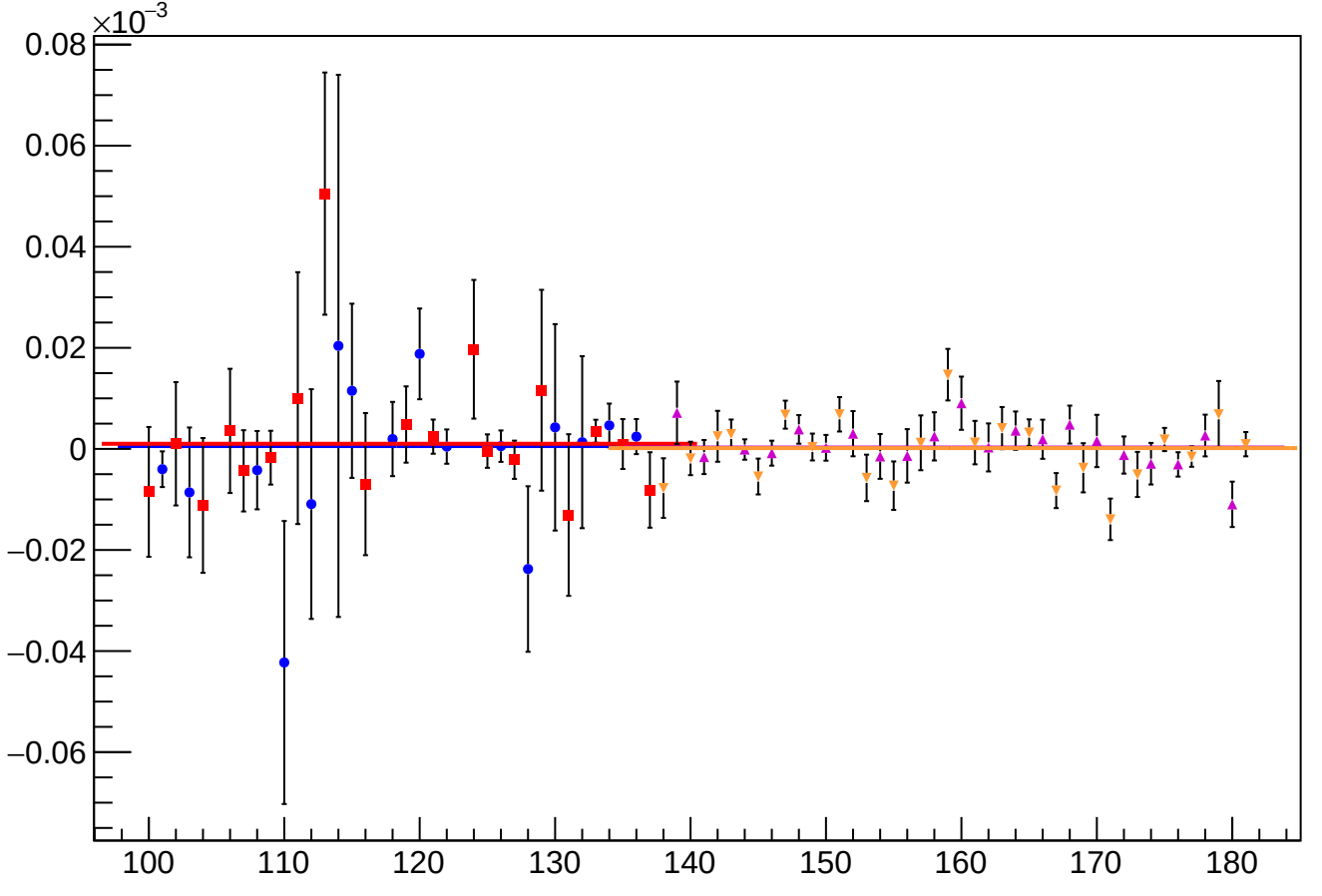
Right Out: 56.770+/-0.017 χ^2/NDF: 2553223.5/18

Left In: 54.184+/-0.010 χ^2/NDF:1066635.0/20

\+ sign 54.746+/-0.008 χ^2/NDF: 4092239.3/38

All: 54.786+/-0.006 χ^2/NDF: 7730316.9/78

\- sign 54.828+/-0.008 χ^2/NDF: 3638028.3/39



Right In: 0.000+/-0.000 χ^2/NDF: 13.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:52.0/22

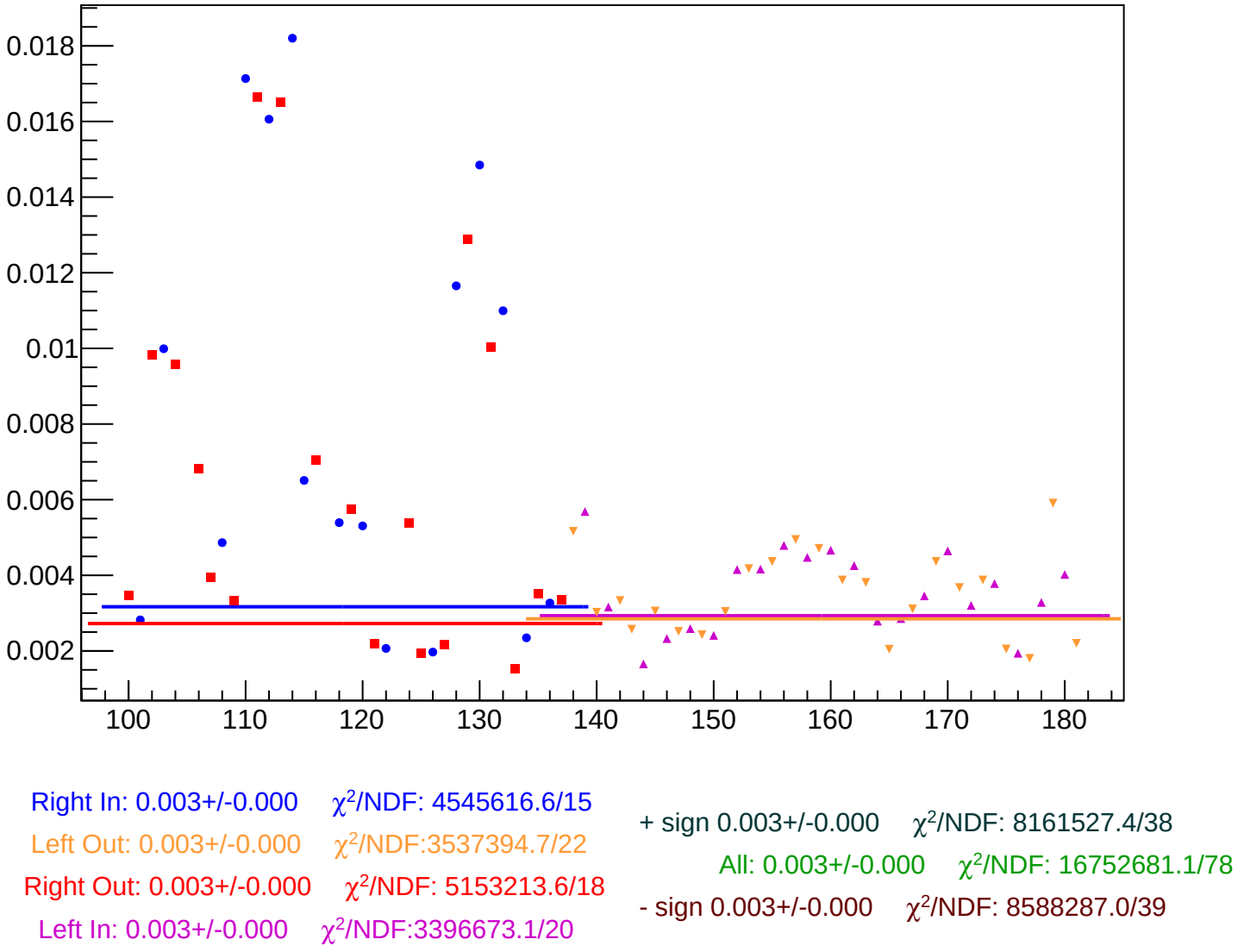
Right Out: 0.000+/-0.000 χ^2/NDF: 13.8/18

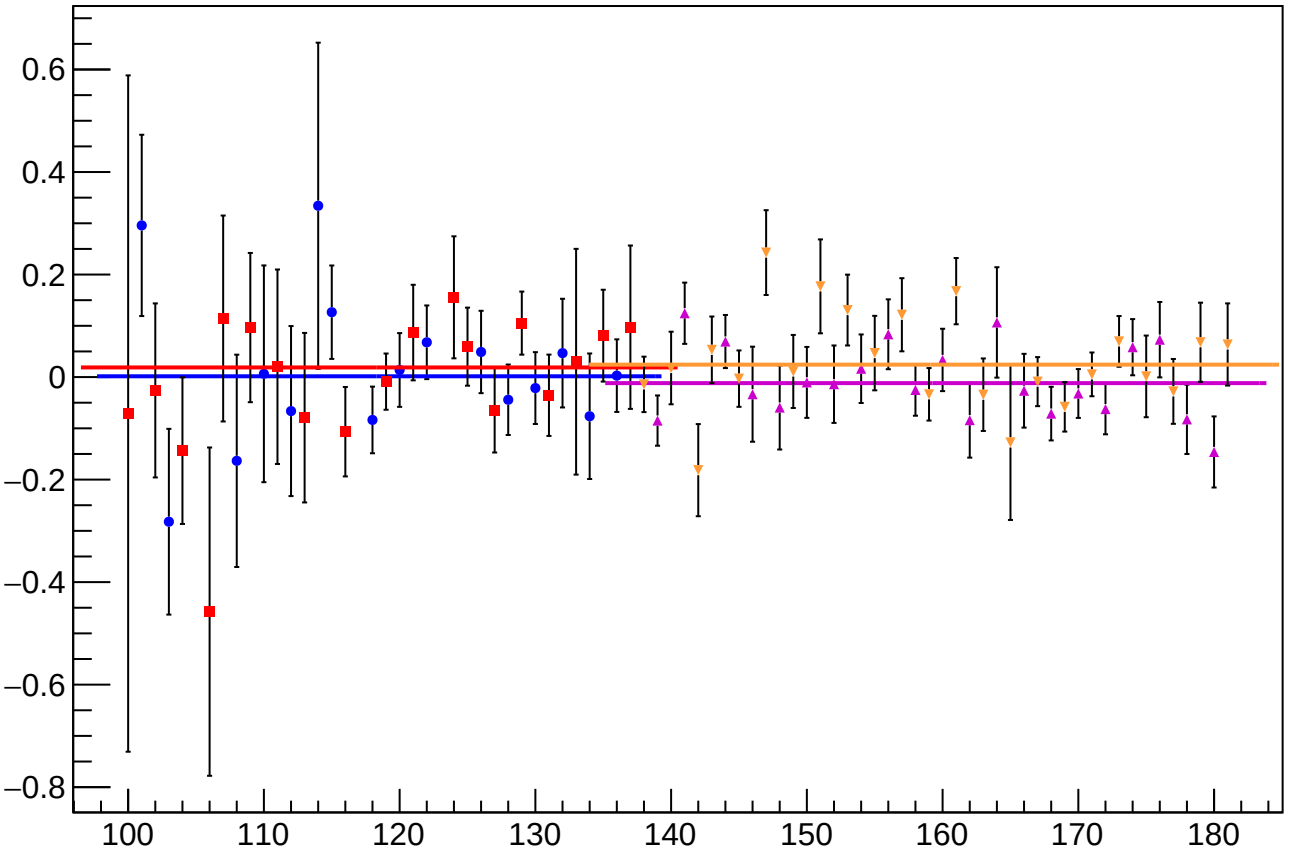
Left In: 0.000+/-0.000 χ^2/NDF:18.8/20

+ sign 0.000+/-0.000 χ^2/NDF: 65.4/38

All: 0.000+/-0.000 χ^2/NDF: 98.3/78

- sign 0.000+/-0.000 χ^2/NDF: 32.8/39


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:3537394.7/22
Right Out: 0.003+/-0.000 χ²/NDF: 5153213.6/18
Left In: 0.003+/-0.000 χ²/NDF:3396673.1/20
+ sign 0.003+/-0.000 χ²/NDF: 8161527.4/38
All: 0.003+/-0.000 χ²/NDF: 16752681.1/78
- sign 0.003+/-0.000 χ²/NDF: 8588287.0/39



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.024+/-0.013 χ^2/NDF:34.0/22

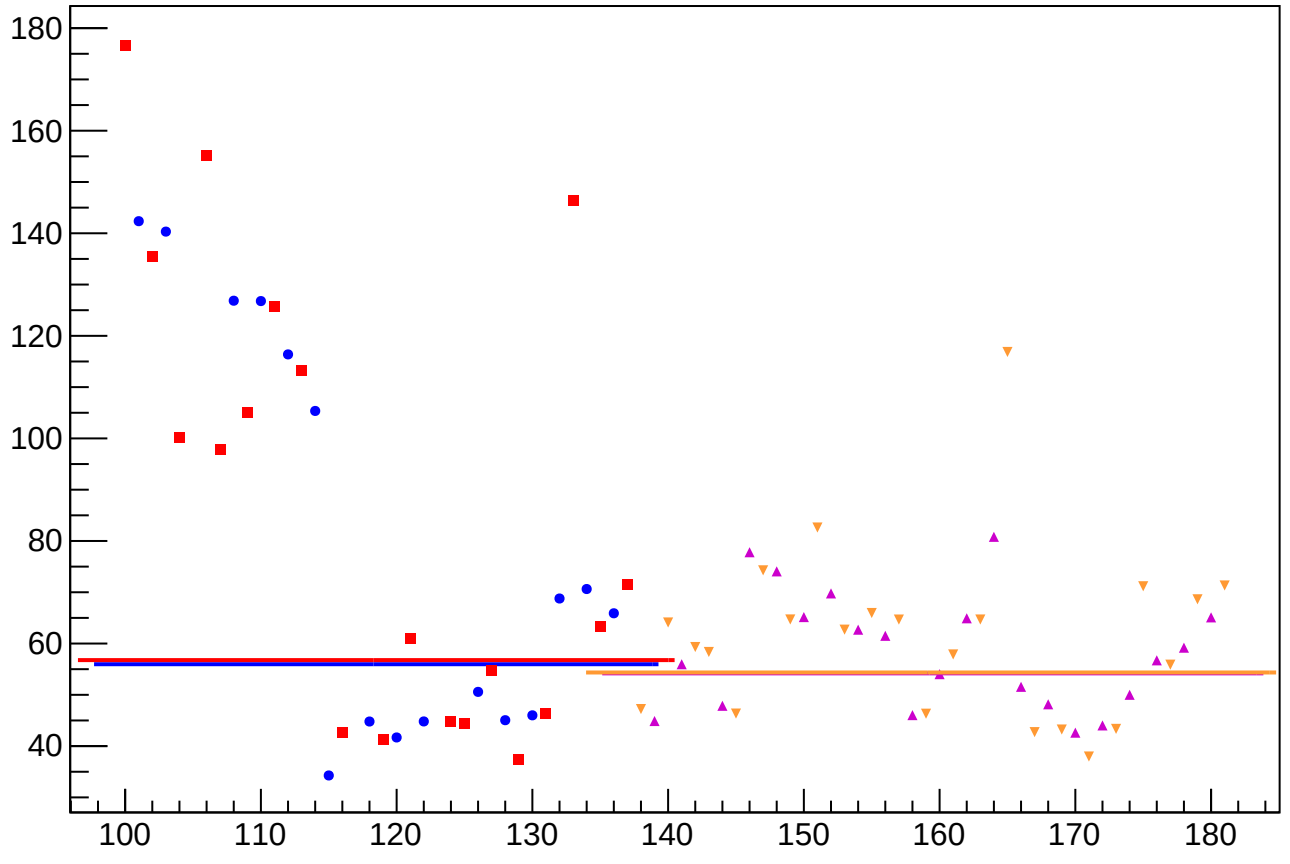
Right Out: 0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: -0.012+/-0.014 χ^2/NDF:25.6/20

+ sign 0.019+/-0.012 χ^2/NDF: 47.8/38

All: 0.007+/-0.008 χ^2/NDF: 89.7/78

- sign -0.004+/-0.012 χ^2/NDF: 40.0/39



Right In: 55.968+/-0.017 χ^2/NDF: 2179757.6/15

Left Out: 54.357+/-0.009 χ^2/NDF:1905225.7/22

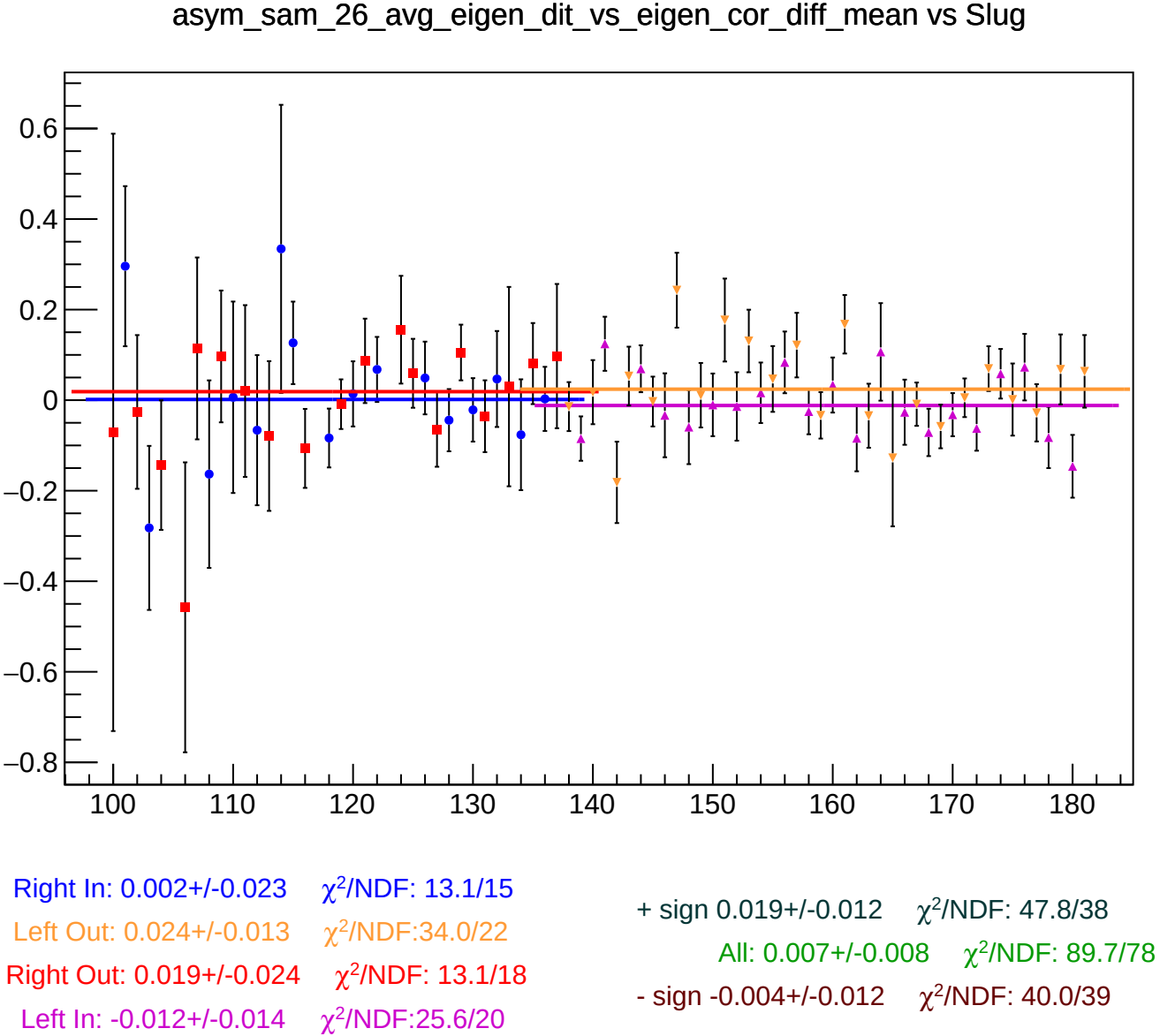
Right Out: 56.770+/-0.017 χ^2/NDF: 2553168.3/18

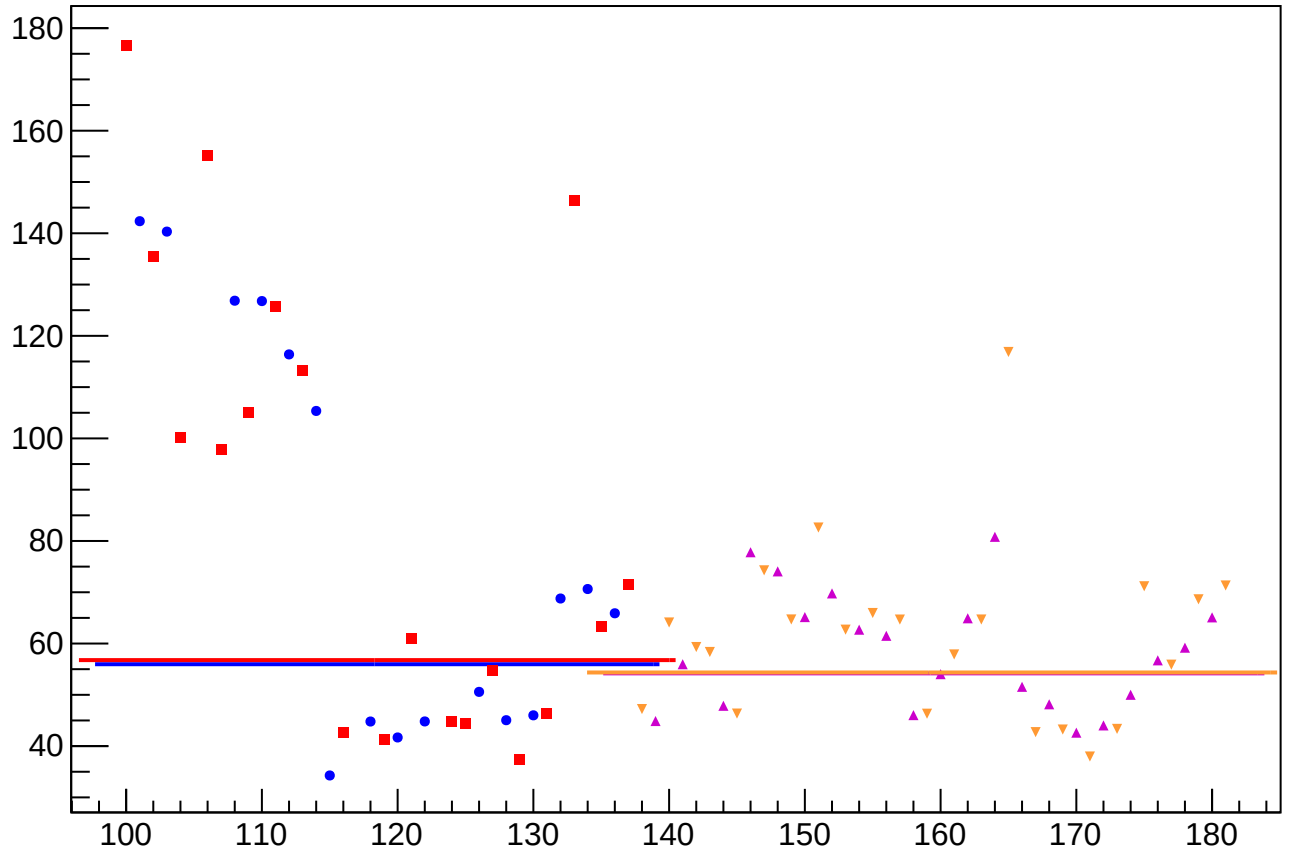
Left In: 54.184+/-0.010 χ^2/NDF:1066607.6/20

\+ sign 54.747+/-0.008 χ^2/NDF: 4092161.0/38

All: 54.787+/-0.006 χ^2/NDF: 7730140.1/78

\- sign 54.828+/-0.008 χ^2/NDF: 3637929.8/39


asym_sam_26_avg_eigen_dit_vs_eigen_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: 0.002+/-0.023 χ²/NDF: 13.1/15
Left Out: 0.024+/-0.013 χ²/NDF:34.0/22
Right Out: 0.019+/-0.024 χ²/NDF: 13.1/18
Left In: -0.012+/-0.014 χ²/NDF:25.6/20
+ sign 0.019+/-0.012 χ²/NDF: 47.8/38
All: 0.007+/-0.008 χ²/NDF: 89.7/78
- sign -0.004+/-0.012 χ²/NDF: 40.0/39



Right In: 55.968+/-0.017 χ^2/NDF: 2179757.6/15

Left Out: 54.357+/-0.009 χ^2/NDF:1905225.7/22

Right Out: 56.770+/-0.017 χ^2/NDF: 2553168.3/18

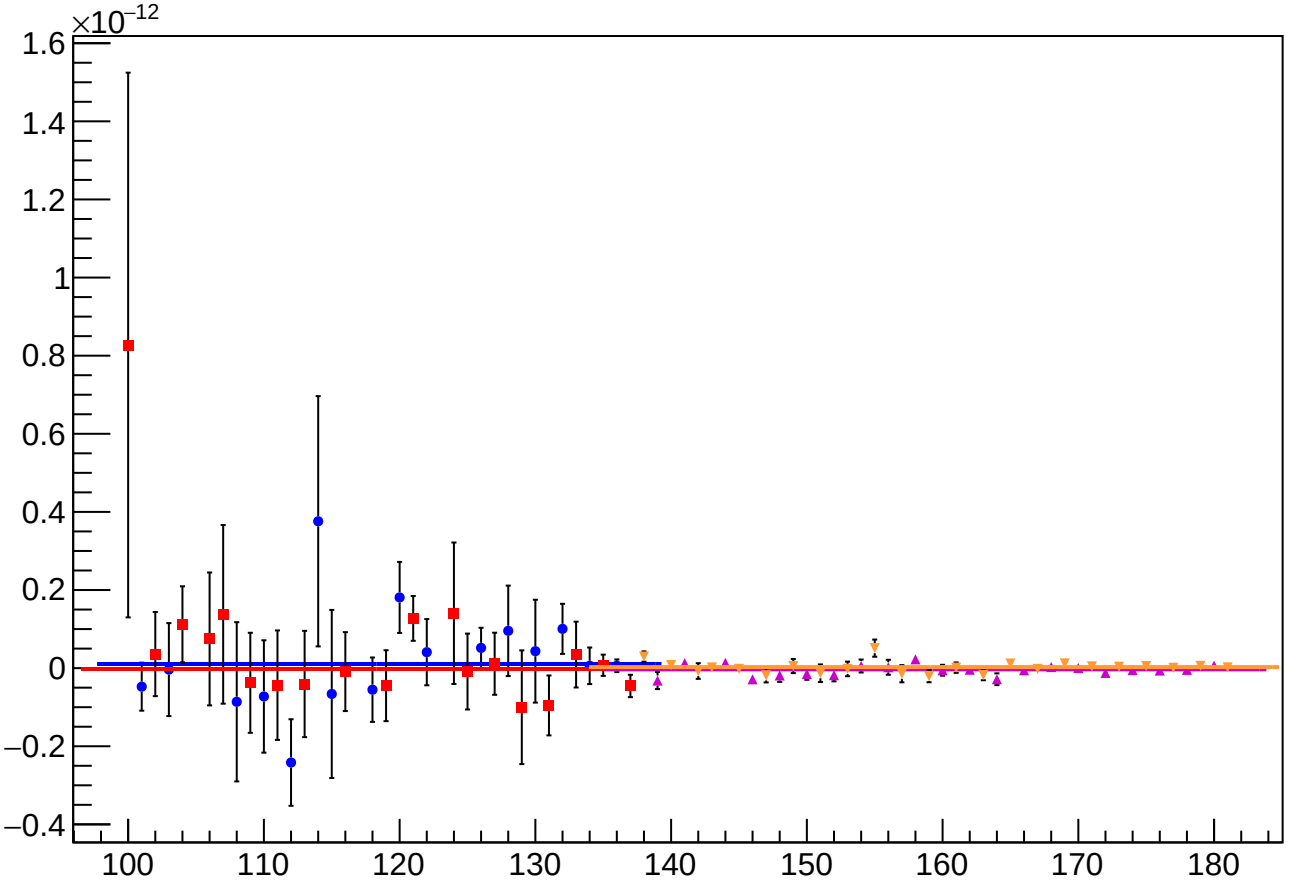
Left In: 54.184+/-0.010 χ^2/NDF:1066607.6/20

\+ sign 54.747+/-0.008 χ^2/NDF: 4092161.0/38

All: 54.787+/-0.006 χ^2/NDF: 7730140.1/78

\- sign 54.828+/-0.008 χ^2/NDF: 3637929.8/39

asym_sam_26_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 15.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.9/22

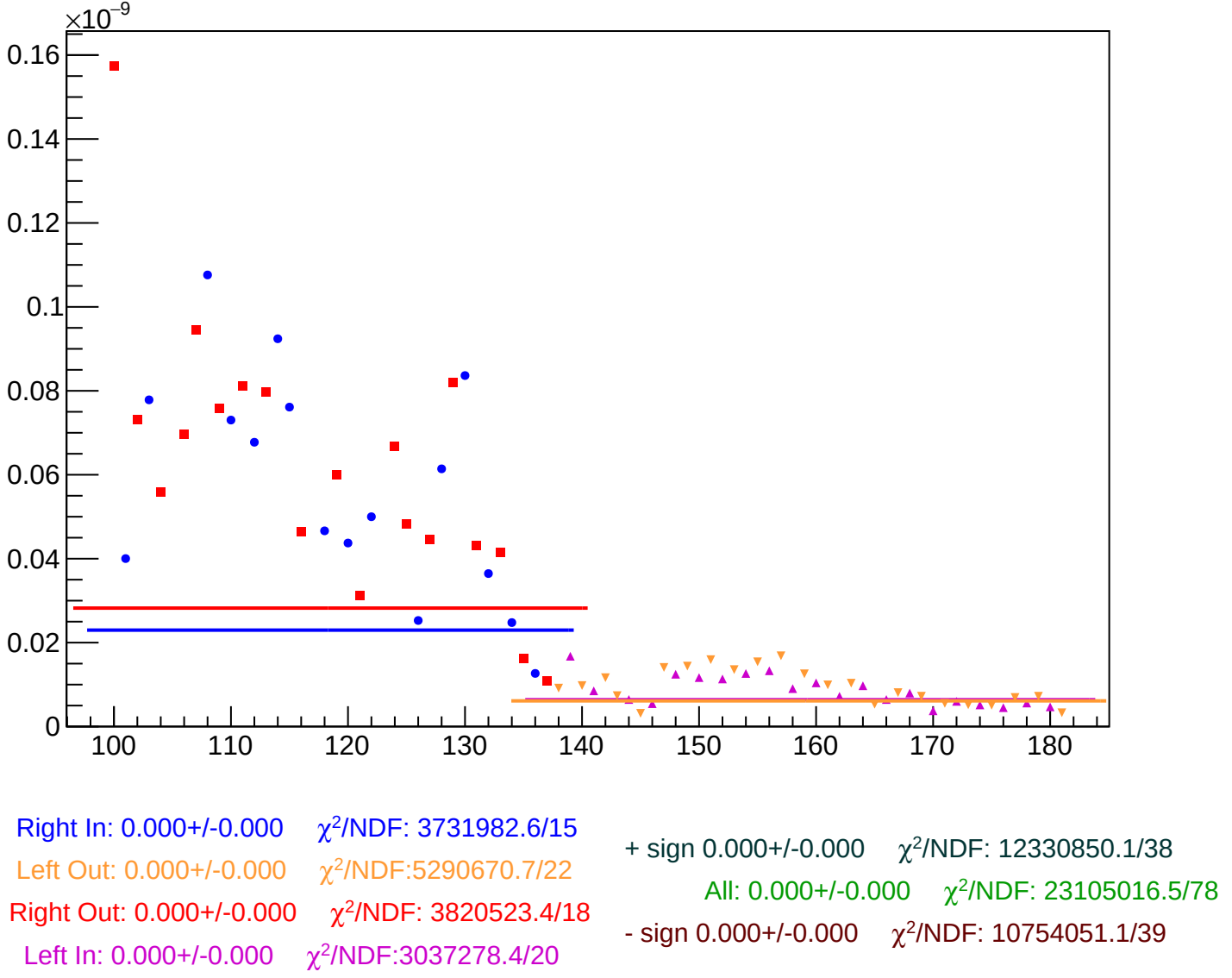
Right Out: -0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: -0.000+/-0.000 χ^2/NDF:32.4/20

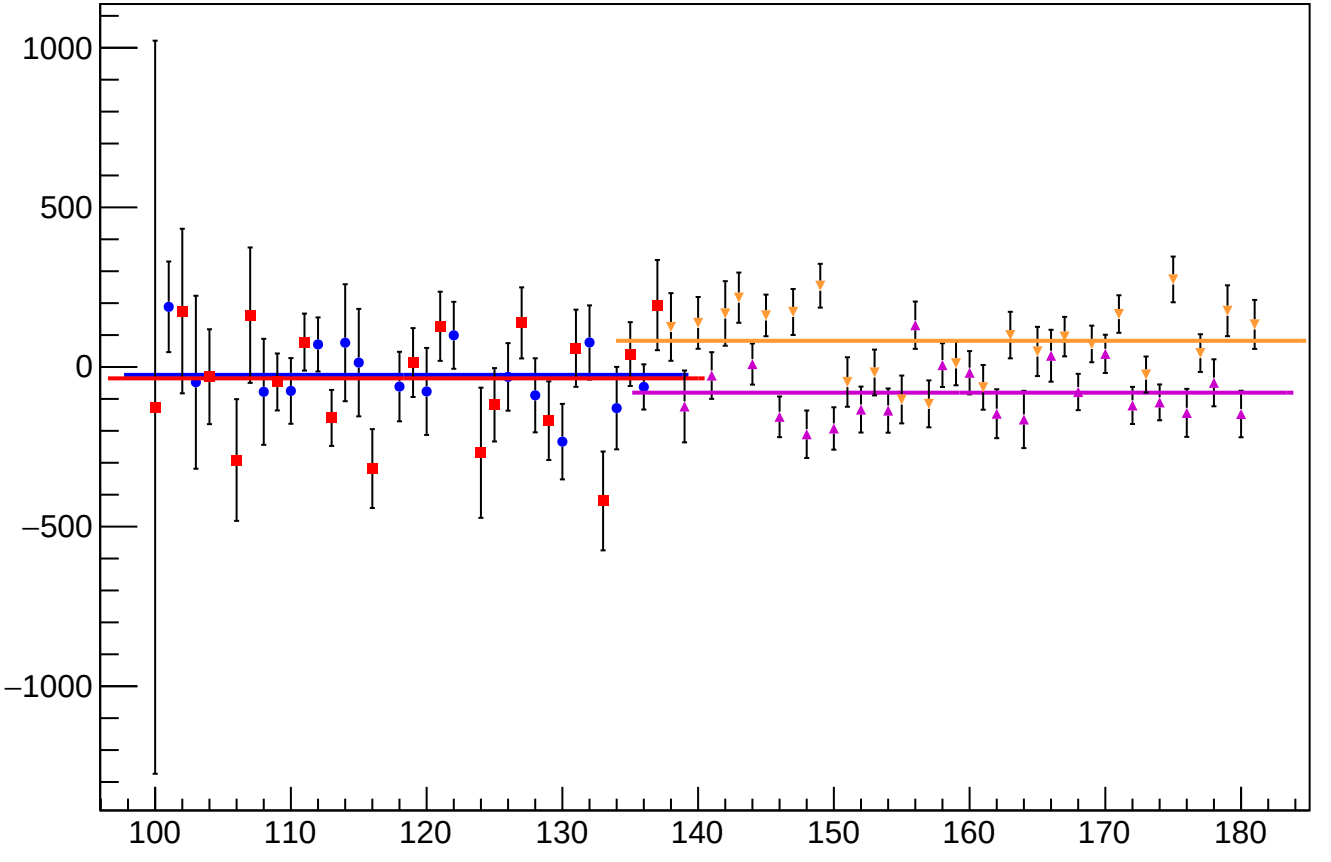
+ sign 0.000+/-0.000 χ^2/NDF: 36.0/38

All: 0.000+/-0.000 χ^2/NDF: 87.1/78

- sign -0.000+/-0.000 χ^2/NDF: 46.7/39


asym_sam_26_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: 3731982.6/15
Left Out: 0.000+/-0.000 χ²/NDF:5290670.7/22
Right Out: 0.000+/-0.000 χ²/NDF: 3820523.4/18
Left In: 0.000+/-0.000 χ²/NDF:3037278.4/20
+ sign 0.000+/-0.000 χ²/NDF: 12330850.1/38
All: 0.000+/-0.000 χ²/NDF: 23105016.5/78
- sign 0.000+/-0.000 χ²/NDF: 10754051.1/39

reg_asym_sam_37_avg_mean vs Slug



Right In: -24.632+/-28.913 χ^2/NDF: 11.0/15

Left Out: 82.030+/-14.722 χ^2/NDF:52.4/22

Right Out: -35.582+/-28.454 χ^2/NDF: 30.1/18

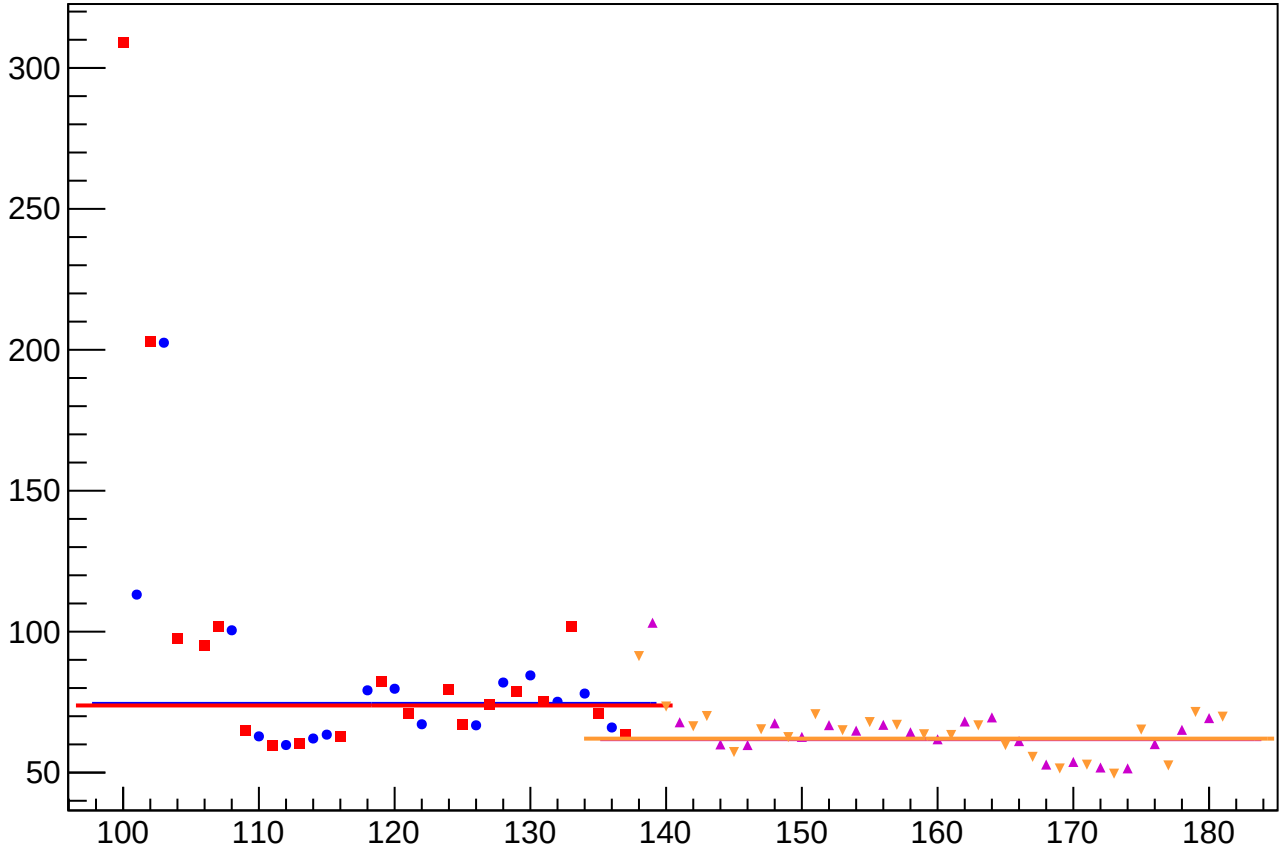
Left In: -80.459+/-15.126 χ^2/NDF:32.0/20

+ sign 60.070+/-13.119 χ^2/NDF: 74.2/38

All: -4.080+/-9.359 χ^2/NDF: 186.9/78

- sign -70.572+/-13.356 χ^2/NDF: 64.0/39

reg_asym_sam_37_avg_rms vs Slug



Right In: 74.369+/-0.020 χ^2/NDF: 827583.1/15

Left Out: 62.043+/-0.010 χ^2/NDF:634098.0/22

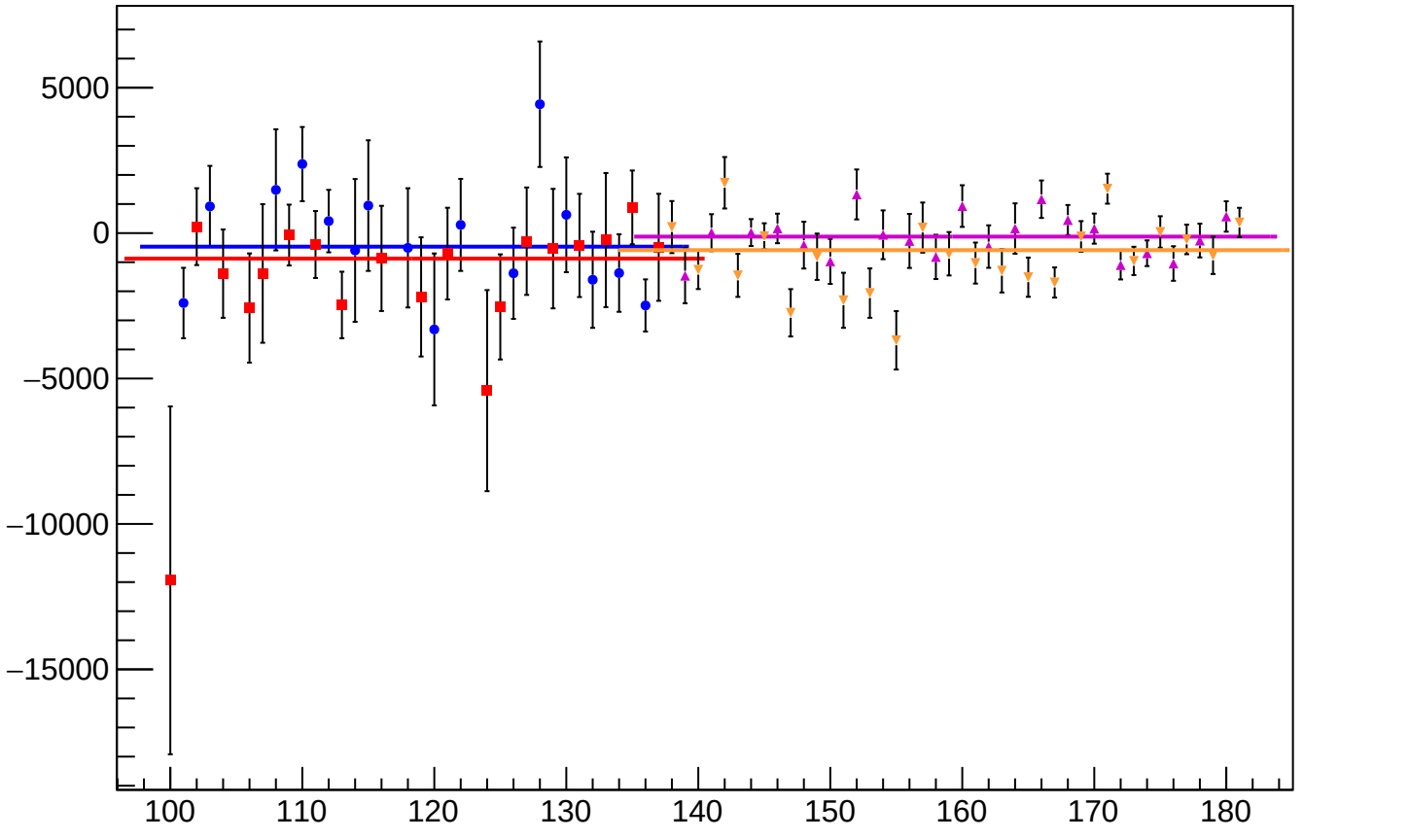
Right Out: 73.815+/-0.020 χ^2/NDF: 931949.0/18

Left In: 61.863+/-0.011 χ^2/NDF:592725.9/20

+ sign 64.581+/-0.009 χ^2/NDF: 1750326.2/38

All: 64.539+/-0.007 χ^2/NDF: 3550143.8/78

- sign 64.497+/-0.009 χ^2/NDF: 1799777.0/39



Right In: -466.524+/-375.030 χ^2/NDF: 23.7/15

Left Out: -585.198+/-133.198 χ^2/NDF:66.5/22

Right Out: -875.351+/-372.239 χ^2/NDF: 13.1/18

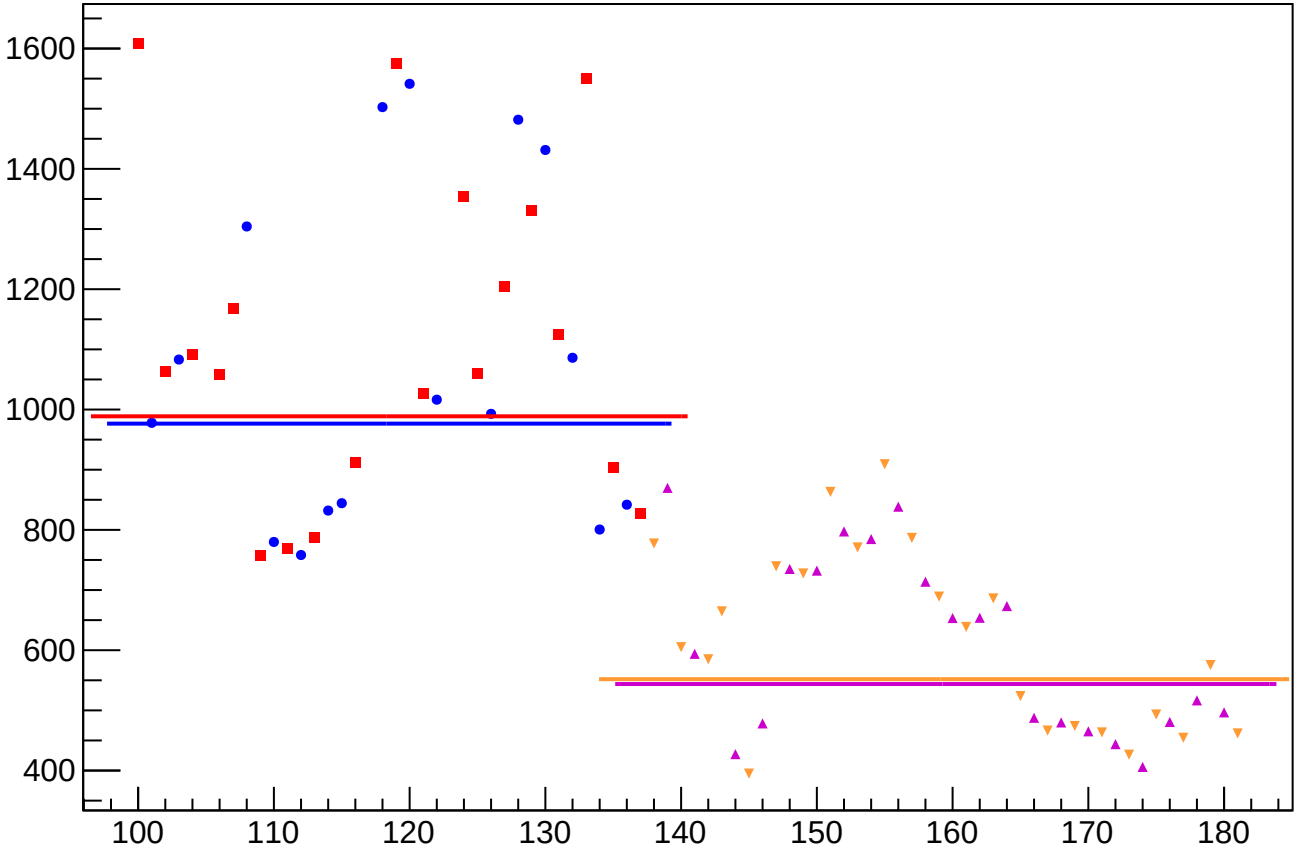
Left In: -120.954+/-135.167 χ^2/NDF:25.3/20

+ sign -571.905+/-125.516 χ^2/NDF: 90.3/38

All: -392.576+/-89.291 χ^2/NDF: 136.4/78

- sign -208.837+/-127.050 χ^2/NDF: 42.0/39

asym_sam_37_avg_reg_correction_rms vs Slug



Right In: 976.583+/-0.265 χ^2/NDF: 736605.1/15

Left Out: 551.833+/-0.094 χ^2/NDF:2012802.4/22

Right Out: 988.763+/-0.263 χ^2/NDF: 715703.4/18

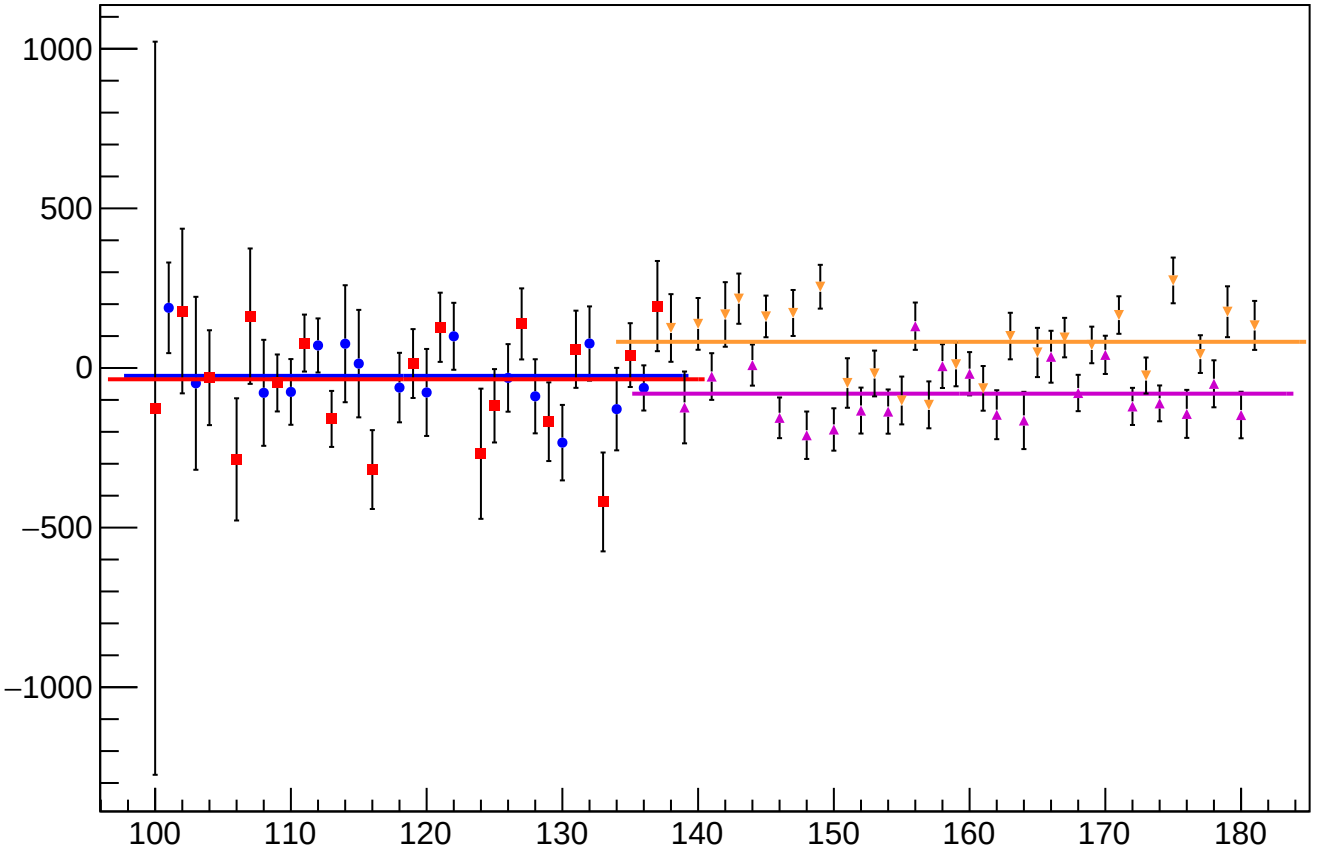
Left In: 543.795+/-0.096 χ^2/NDF:1829651.5/20

+ sign 599.410+/-0.089 χ^2/NDF: 5027497.2/38

All: 597.544+/-0.063 χ^2/NDF: 10098708.0/78

- sign 595.631+/-0.090 χ^2/NDF: 5070315.3/39

cor_asym_sam_37_avg_mean vs Slug



Right In: -24.640+/-28.913 χ^2/NDF: 11.0/15

Left Out: 82.032+/-14.722 χ^2/NDF:52.4/22

Right Out: -35.383+/-28.457 χ^2/NDF: 30.0/18

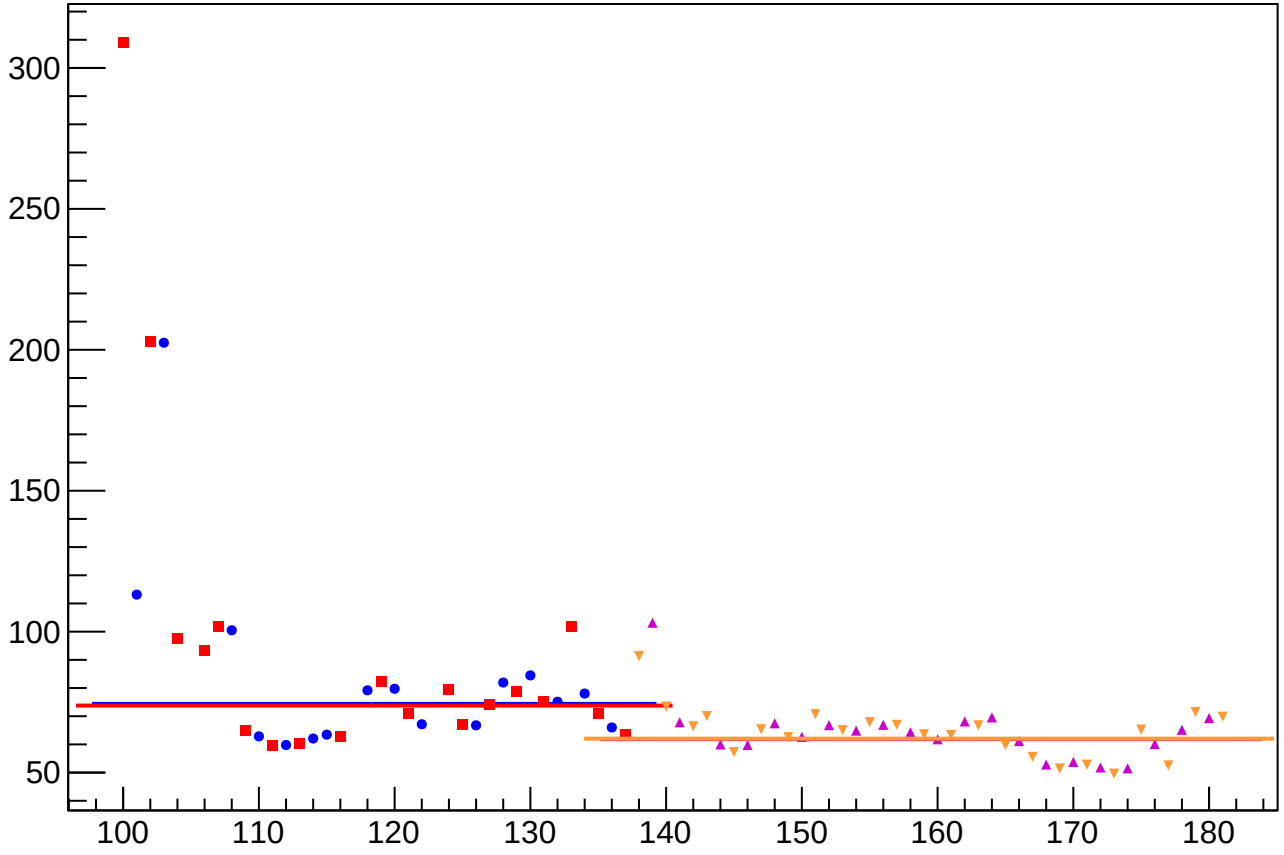
Left In: -80.458+/-15.126 χ^2/NDF:32.0/20

+ sign 60.070+/-13.119 χ^2/NDF: 74.2/38

All: -4.057+/-9.359 χ^2/NDF: 186.8/78

- sign -70.529+/-13.356 χ^2/NDF: 64.0/39

cor_asym_sam_37_avg_rms vs Slug



Right In: 74.369+/-0.020 χ^2/NDF: 827585.2/15

Left Out: 62.043+/-0.010 χ^2/NDF:634098.0/22

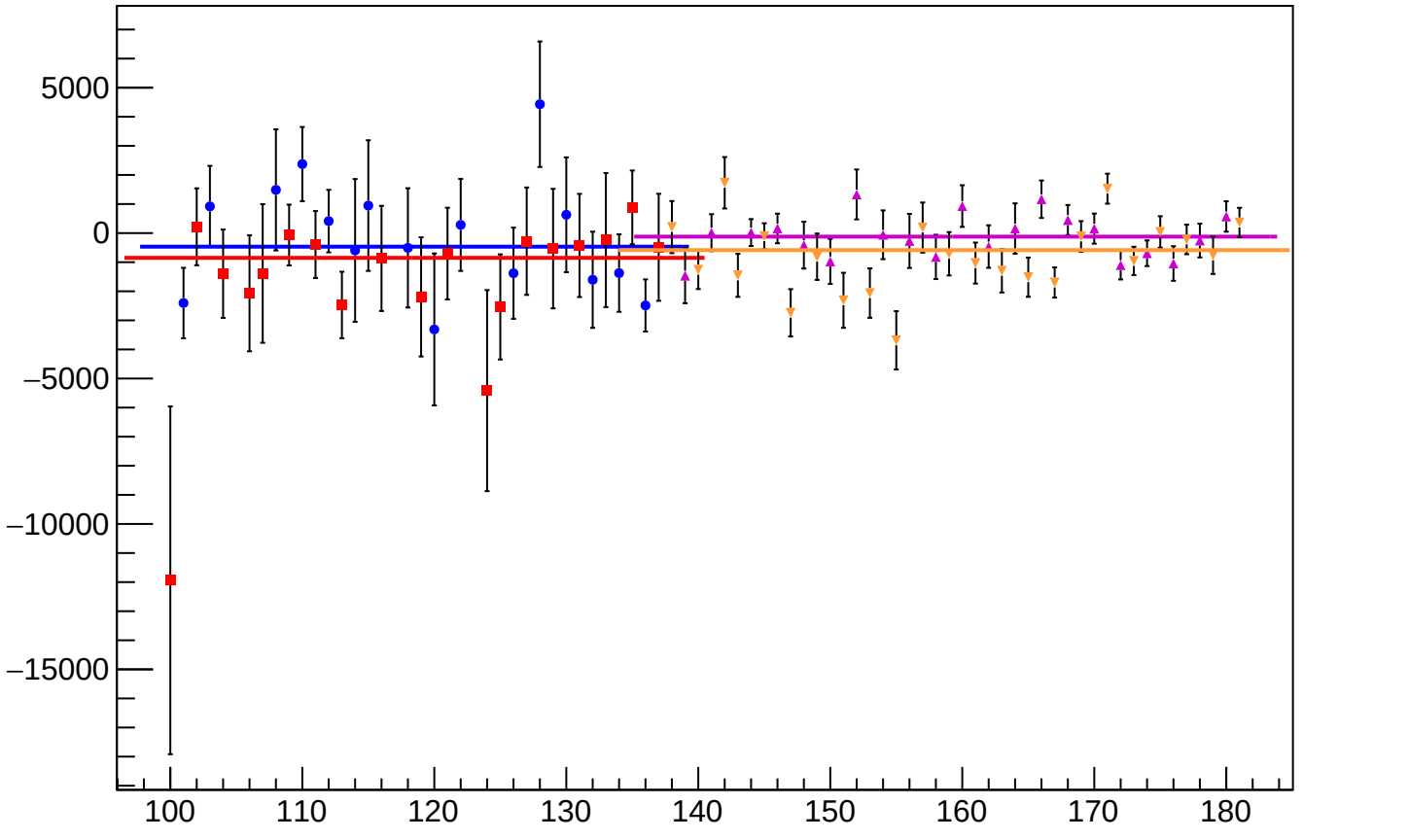
Right Out: 73.773+/-0.020 χ^2/NDF: 928163.8/18

Left In: 61.863+/-0.011 χ^2/NDF:592725.9/20

+ sign 64.581+/-0.009 χ^2/NDF: 1750328.0/38

All: 64.535+/-0.007 χ^2/NDF: 3544403.4/78

- sign 64.487+/-0.009 χ^2/NDF: 1794025.0/39



Right In: -466.511+/-375.033 χ^2/NDF: 23.7/15

Left Out: -585.197+/-133.198 χ^2/NDF:66.5/22

Right Out: -850.757+/-373.092 χ^2/NDF: 12.6/18

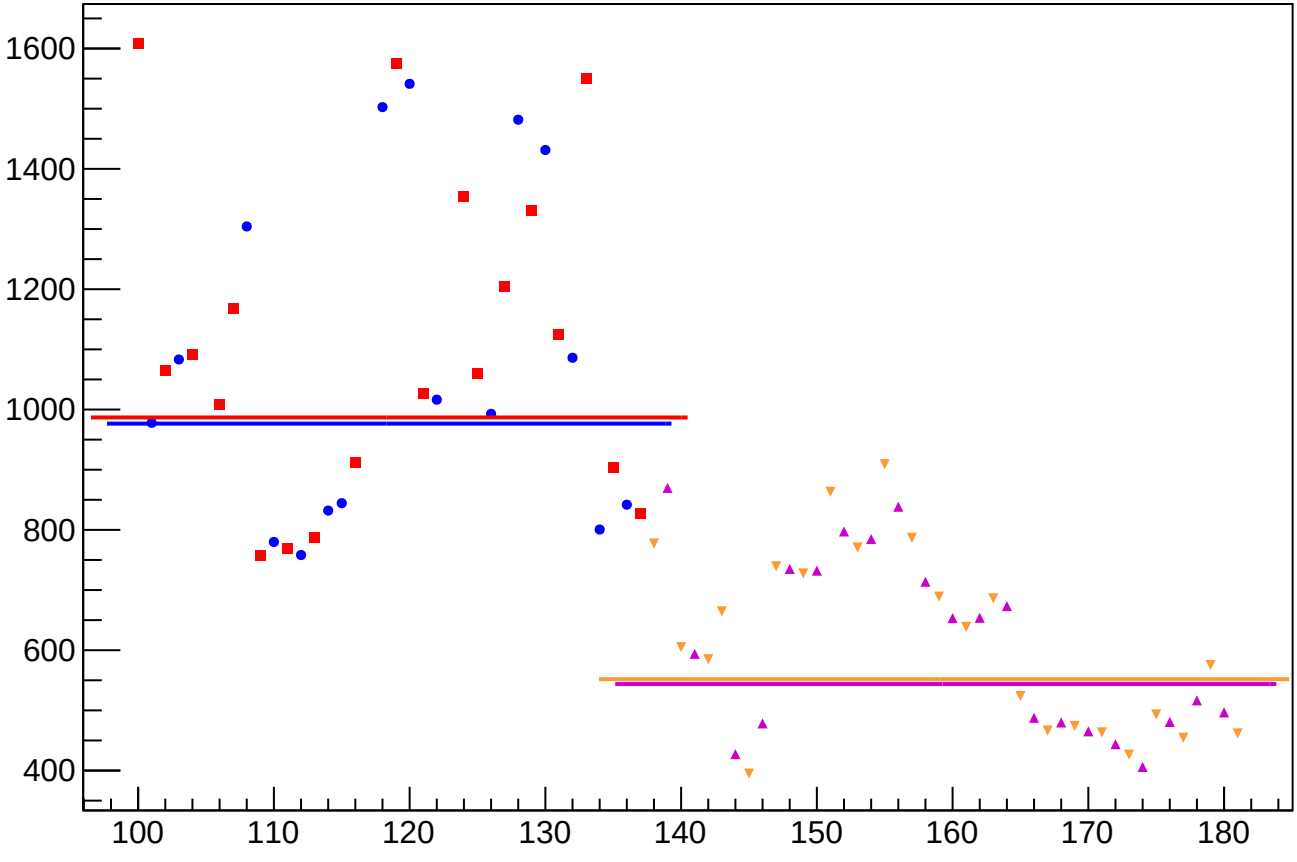
Left In: -120.952+/-135.167 χ^2/NDF:25.3/20

+ sign -571.902+/-125.516 χ^2/NDF: 90.3/38

All: -391.038+/-89.303 χ^2/NDF: 135.8/78

- sign -205.627+/-127.084 χ^2/NDF: 41.3/39

asym_sam_37_avg_cor_correction_rms vs Slug



Right In: 976.589+/-0.265 χ^2/NDF: 736628.5/15

Left Out: 551.832+/-0.094 χ^2/NDF:2012801.4/22

Right Out: 986.823+/-0.264 χ^2/NDF: 713316.0/18

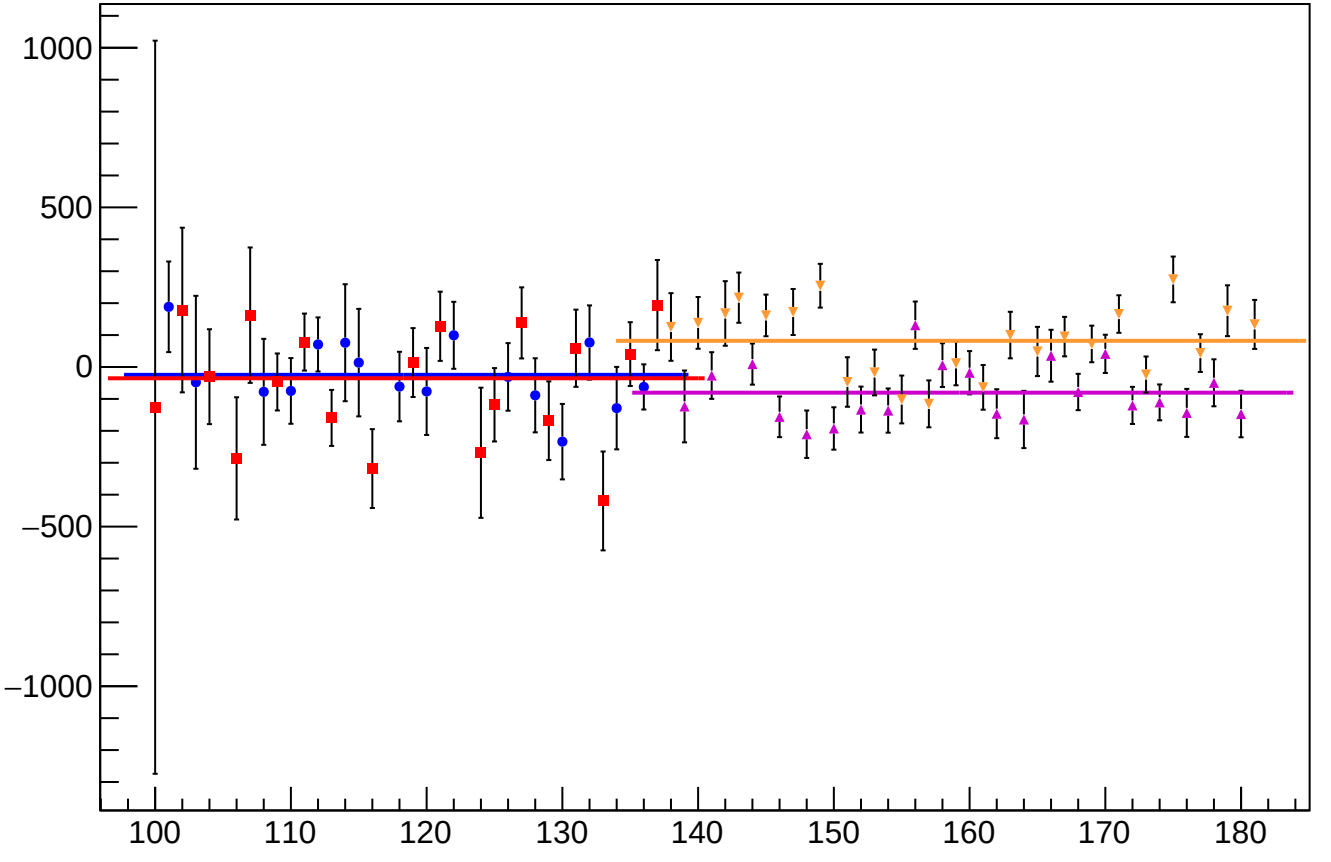
Left In: 543.795+/-0.096 χ^2/NDF:1829651.7/20

+ sign 599.410+/-0.089 χ^2/NDF: 5027556.8/38

All: 597.330+/-0.063 χ^2/NDF: 10064519.4/78

- sign 595.197+/-0.090 χ^2/NDF: 5035849.9/39

eigen_cor_asym_sam_37_avg_mean vs Slug



Right In: -24.640+/-28.913 χ^2/NDF: 11.0/15

Left Out: 82.032+/-14.722 χ^2/NDF:52.4/22

Right Out: -35.383+/-28.457 χ^2/NDF: 30.0/18

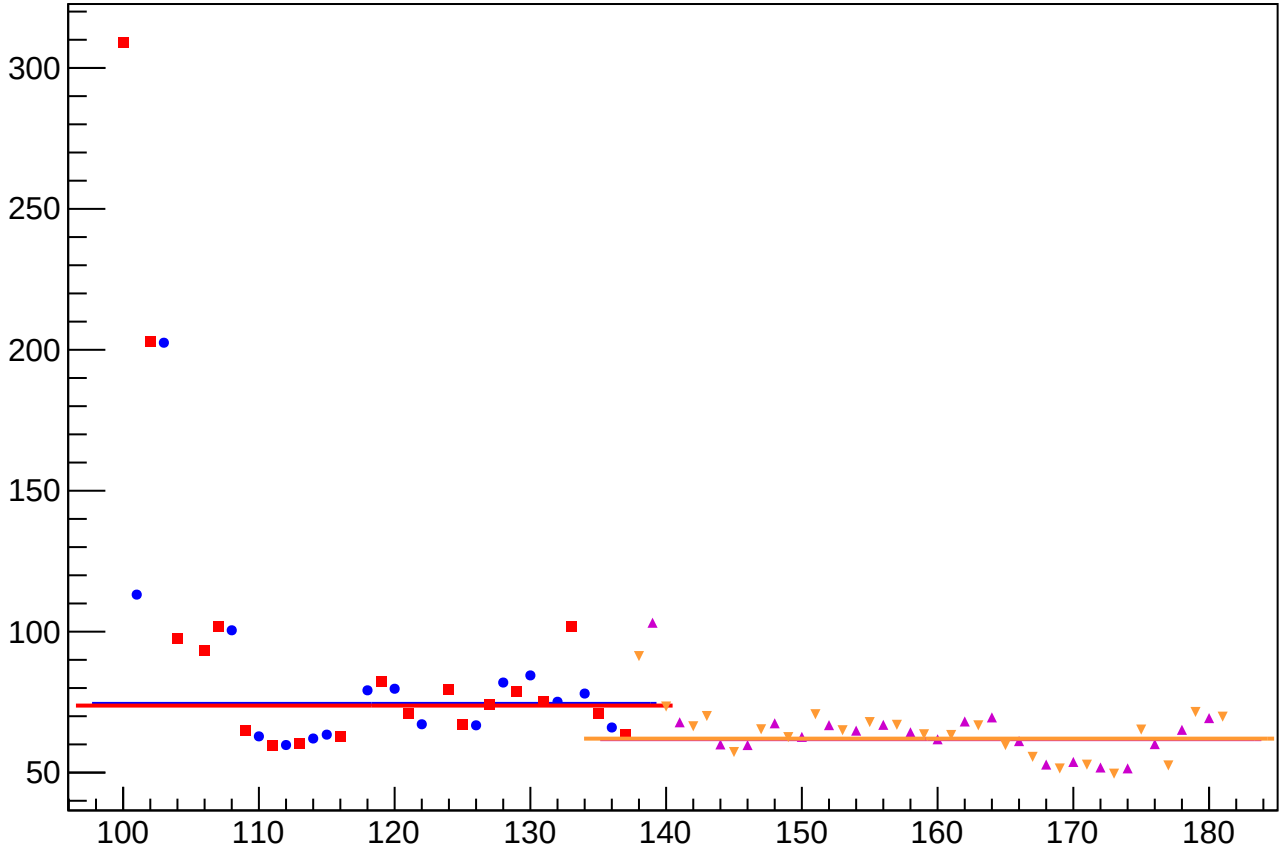
Left In: -80.458+/-15.126 χ^2/NDF:32.0/20

+ sign 60.070+/-13.119 χ^2/NDF: 74.2/38

All: -4.057+/-9.359 χ^2/NDF: 186.8/78

- sign -70.529+/-13.356 χ^2/NDF: 64.0/39

eigen_cor_asym_sam_37_avg_rms vs Slug



Right In: 74.369+/-0.020 χ^2/NDF: 827585.2/15

Left Out: 62.043+/-0.010 χ^2/NDF:634098.0/22

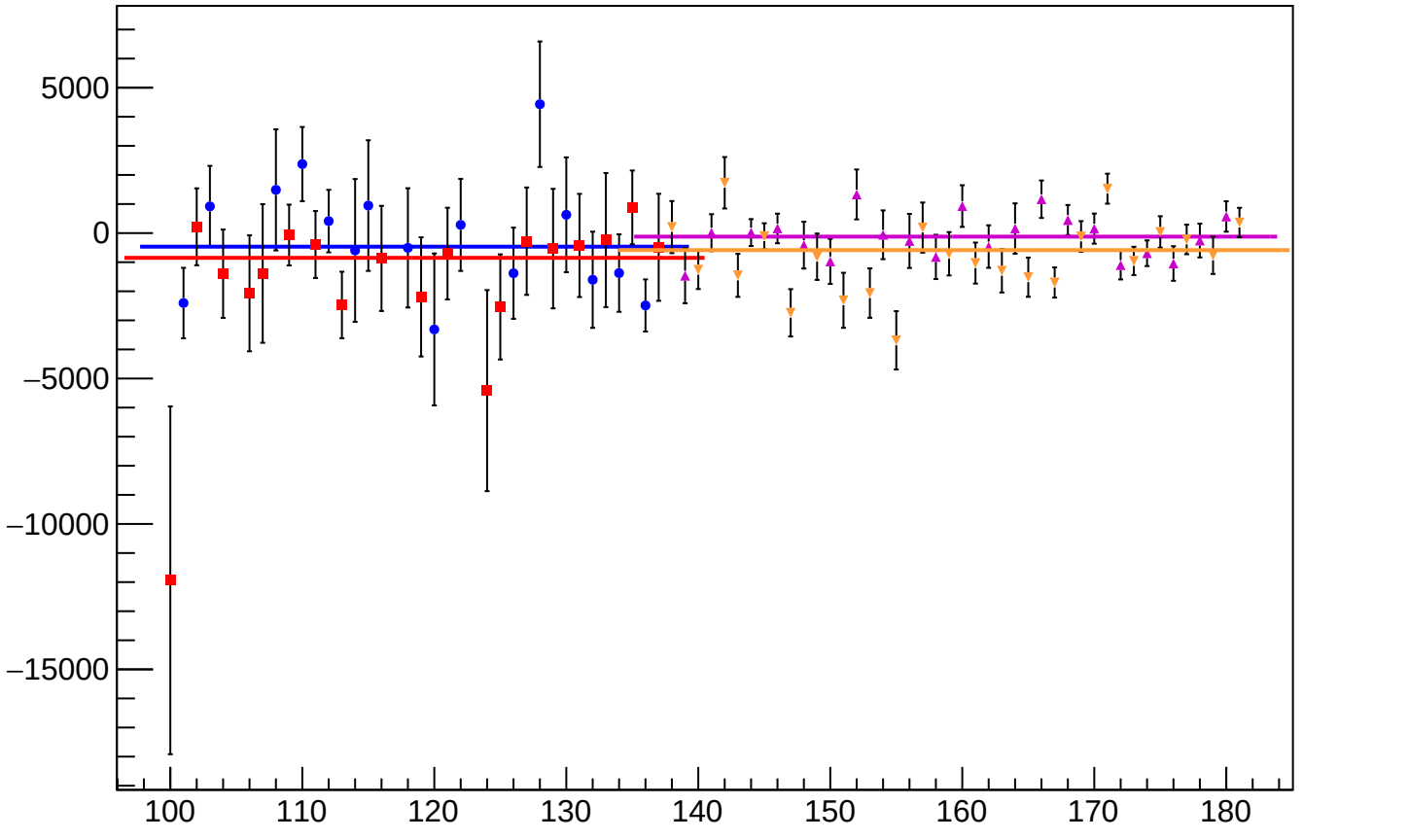
Right Out: 73.773+/-0.020 χ^2/NDF: 928163.8/18

Left In: 61.863+/-0.011 χ^2/NDF:592725.9/20

\+ sign 64.581+/-0.009 χ^2/NDF: 1750328.0/38

All: 64.535+/-0.007 χ^2/NDF: 3544403.4/78

\- sign 64.487+/-0.009 χ^2/NDF: 1794025.0/39



Right In: -466.511+/-375.033 χ^2/NDF: 23.7/15

Left Out: -585.197+/-133.198 χ^2/NDF:66.5/22

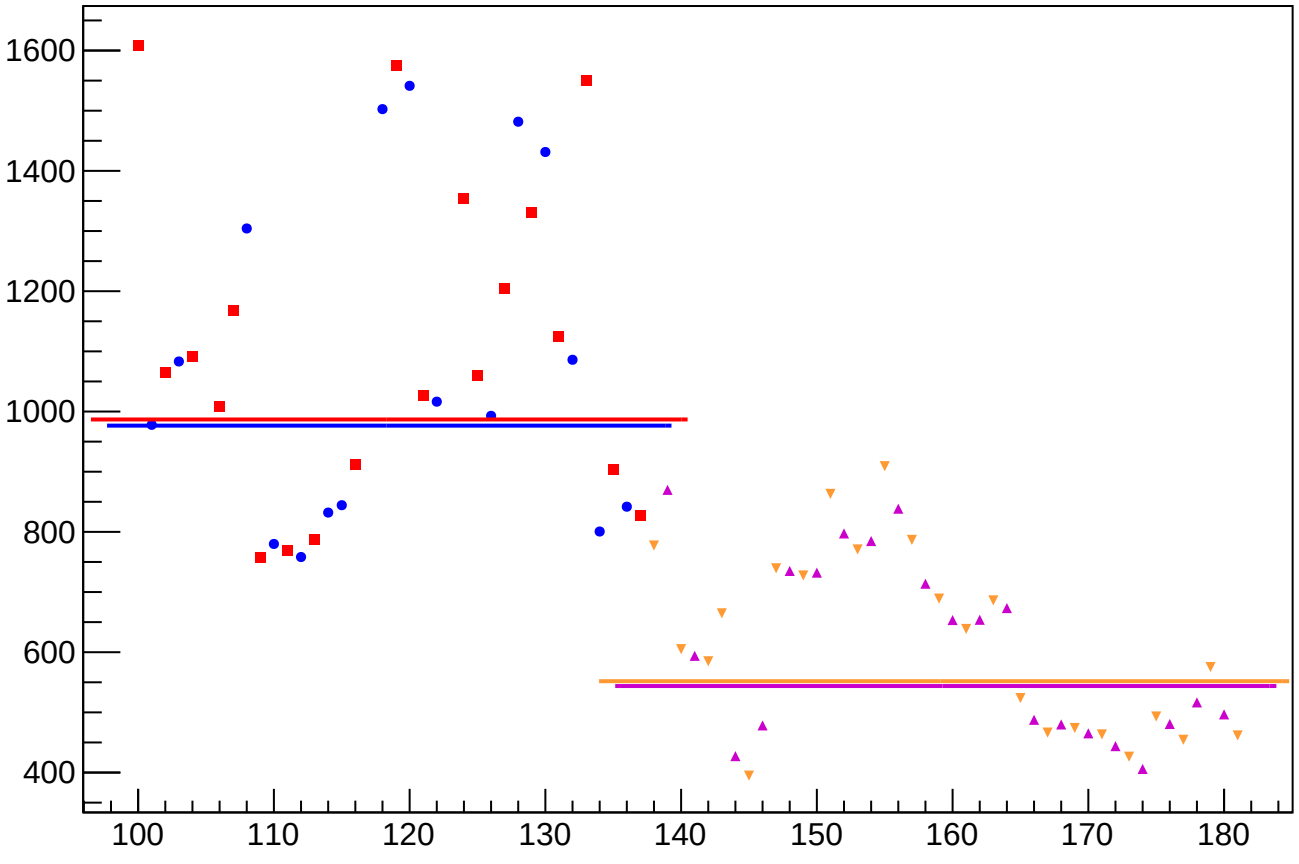
Right Out: -850.757+/-373.092 χ^2/NDF: 12.6/18

Left In: -120.952+/-135.167 χ^2/NDF:25.3/20

+ sign -571.902+/-125.516 χ^2/NDF: 90.3/38

All: -391.038+/-89.303 χ^2/NDF: 135.8/78

- sign -205.627+/-127.084 χ^2/NDF: 41.3/39



Right In: 976.589+/-0.265 χ^2/NDF: 736628.5/15

Left Out: 551.832+/-0.094 χ^2/NDF:2012801.4/22

Right Out: 986.823+/-0.264 χ^2/NDF: 713316.0/18

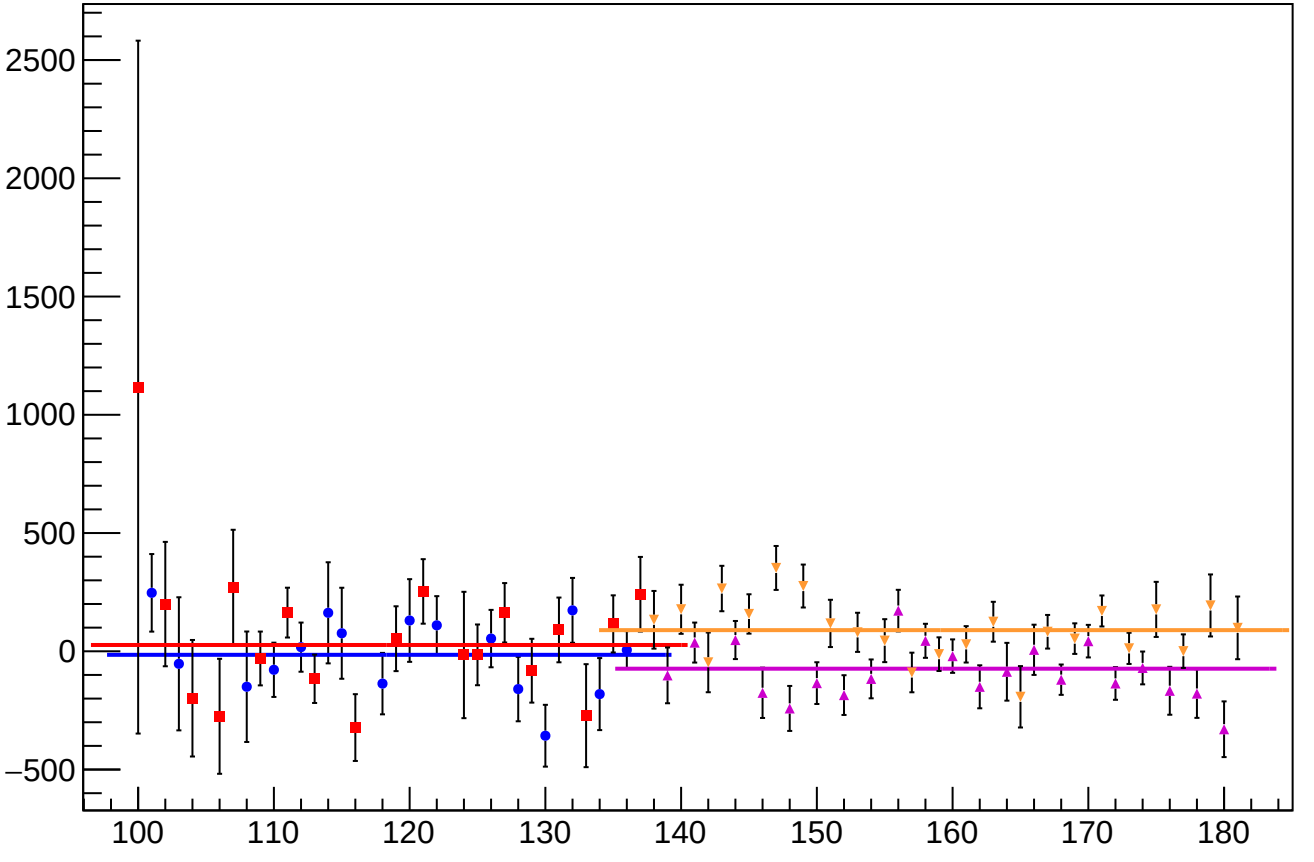
Left In: 543.795+/-0.096 χ^2/NDF:1829651.7/20

+ sign 599.410+/-0.089 χ^2/NDF: 5027556.8/38

All: 597.330+/-0.063 χ^2/NDF: 10064519.4/78

- sign 595.197+/-0.090 χ^2/NDF: 5035849.9/39

dit_asym_sam_37_avg_mean vs Slug



Right In: -14.953+/-33.761 χ^2/NDF: 18.3/15

Left Out: 89.404+/-18.026 χ^2/NDF:36.7/22

Right Out: 26.654+/-34.073 χ^2/NDF: 23.6/18

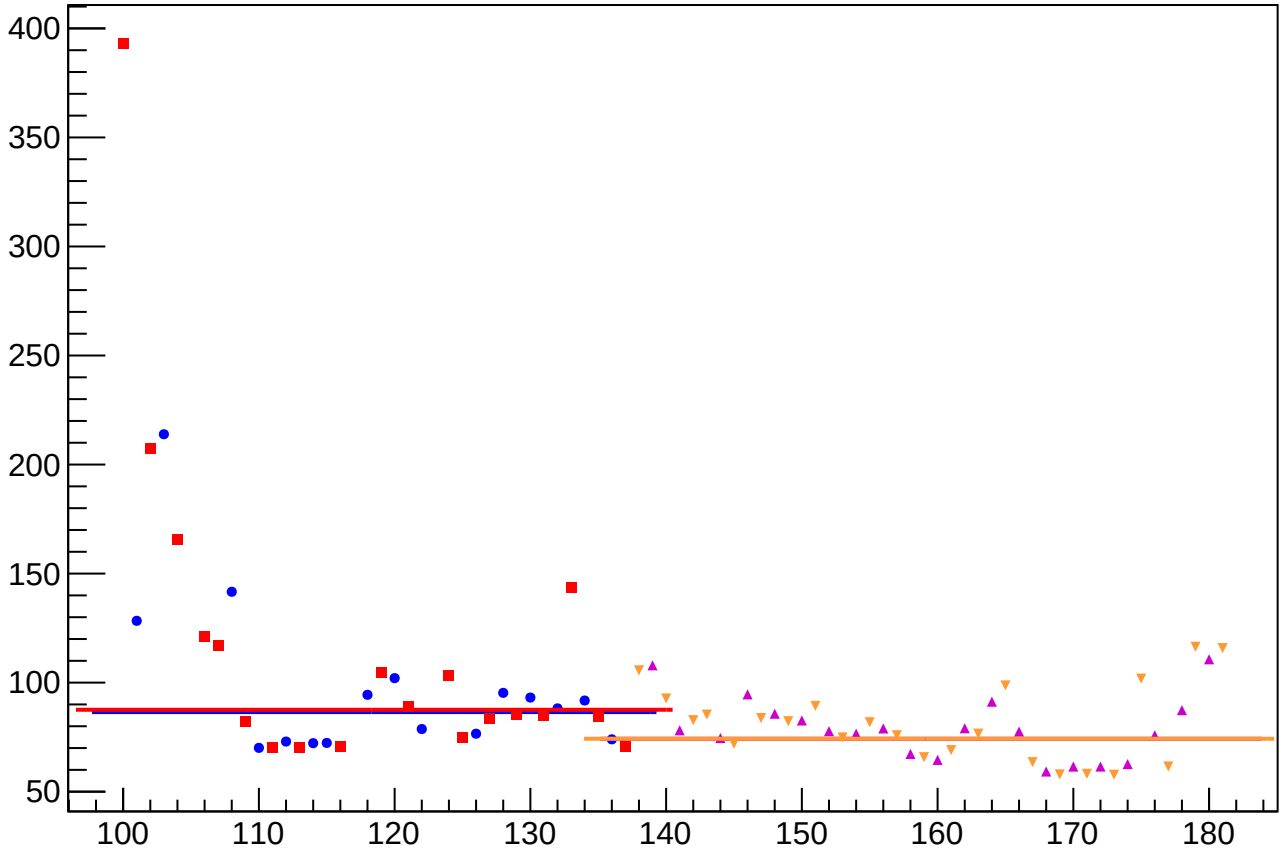
Left In: -73.622+/-18.515 χ^2/NDF:33.7/20

+ sign 66.252+/-15.902 χ^2/NDF: 62.4/38

All: 9.077+/-11.371 χ^2/NDF: 152.9/78

- sign -50.764+/-16.268 χ^2/NDF: 64.0/39

dit_asym_sam_37_avg_rms vs Slug



Right In: 86.489+/-0.024 χ^2/NDF: 856257.9/15

Left Out: 74.272+/-0.013 χ^2/NDF:1438619.4/22

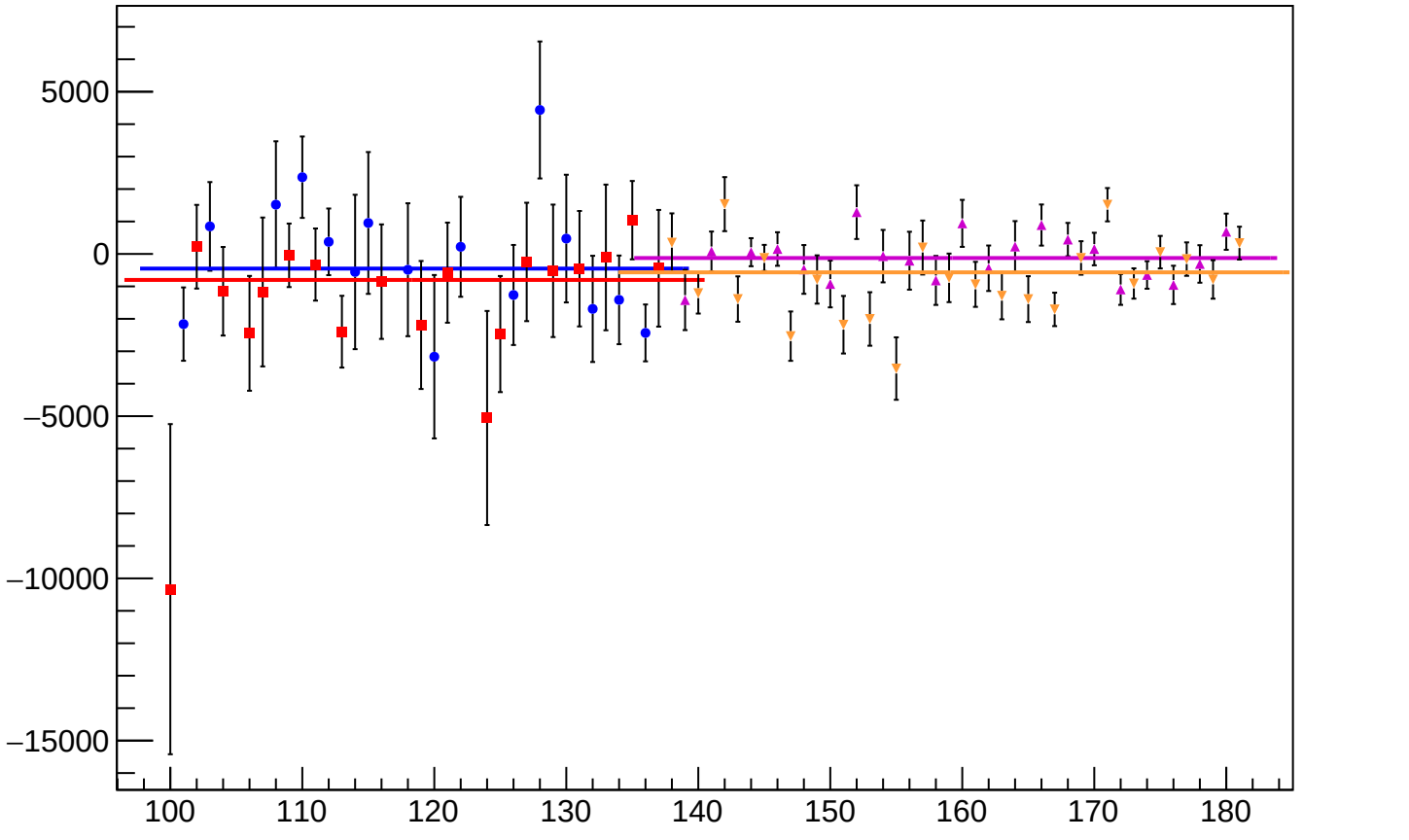
Right Out: 87.555+/-0.024 χ^2/NDF: 1129794.0/18

Left In: 74.247+/-0.013 χ^2/NDF:927863.5/20

+ sign 76.982+/-0.011 χ^2/NDF: 2498672.5/38

All: 77.128+/-0.008 χ^2/NDF: 4792191.1/78

- sign 77.281+/-0.012 χ^2/NDF: 2293174.1/39



Right In: -451.380+/-365.605 χ^2/NDF: 23.7/15

Left Out: -567.182+/-128.745 χ^2/NDF:65.3/22

Right Out: -801.206+/-357.866 χ^2/NDF: 13.6/18

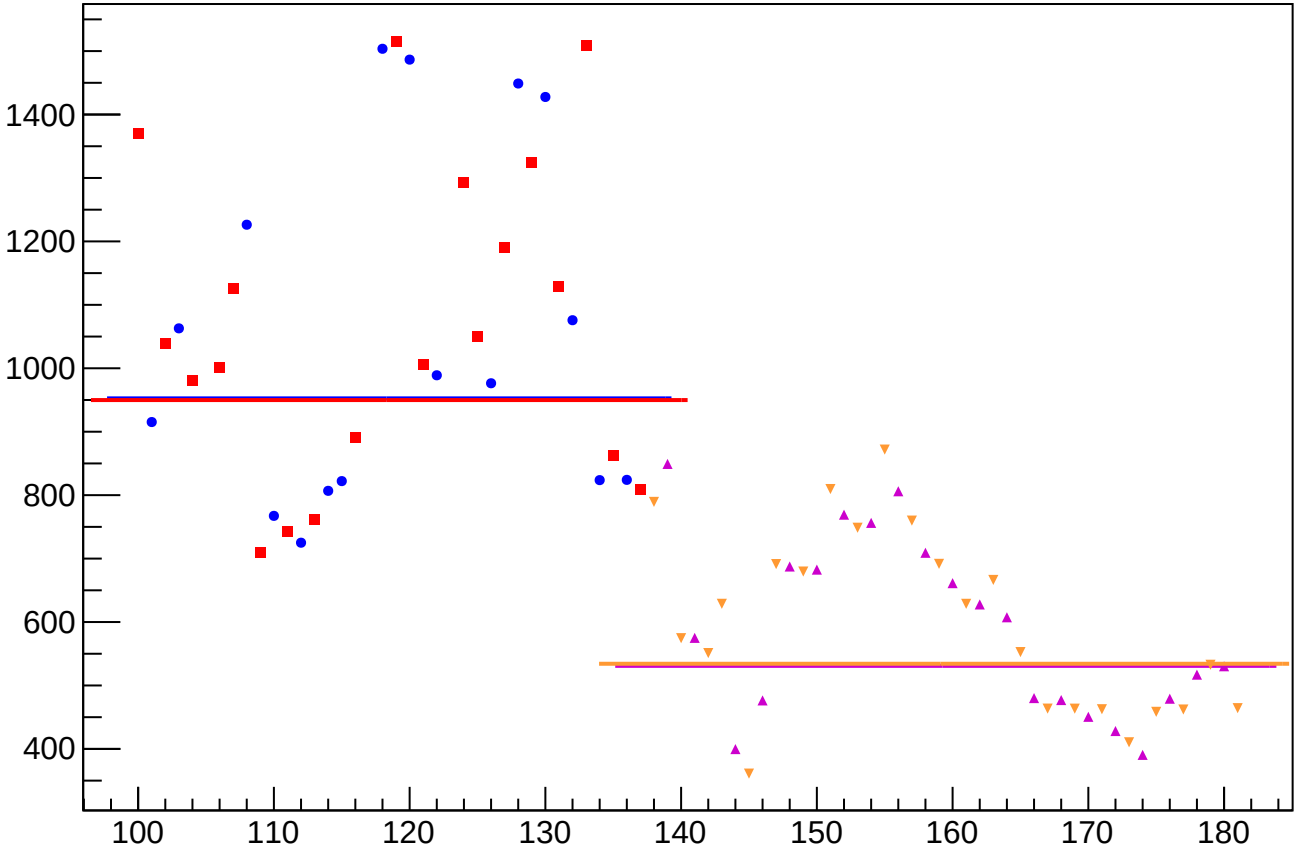
Left In: -126.067+/-131.939 χ^2/NDF:24.3/20

+ sign -554.406+/-121.436 χ^2/NDF: 89.1/38

All: -383.972+/-86.690 χ^2/NDF: 134.1/78

- sign -206.856+/-123.794 χ^2/NDF: 41.0/39

asym_sam_37_avg_dit_correction_rms vs Slug



Right In: 952.551+/-0.259 χ^2/NDF: 746346.9/15

Left Out: 534.217+/-0.091 χ^2/NDF:2027555.6/22

Right Out: 949.891+/-0.253 χ^2/NDF: 751675.2/18

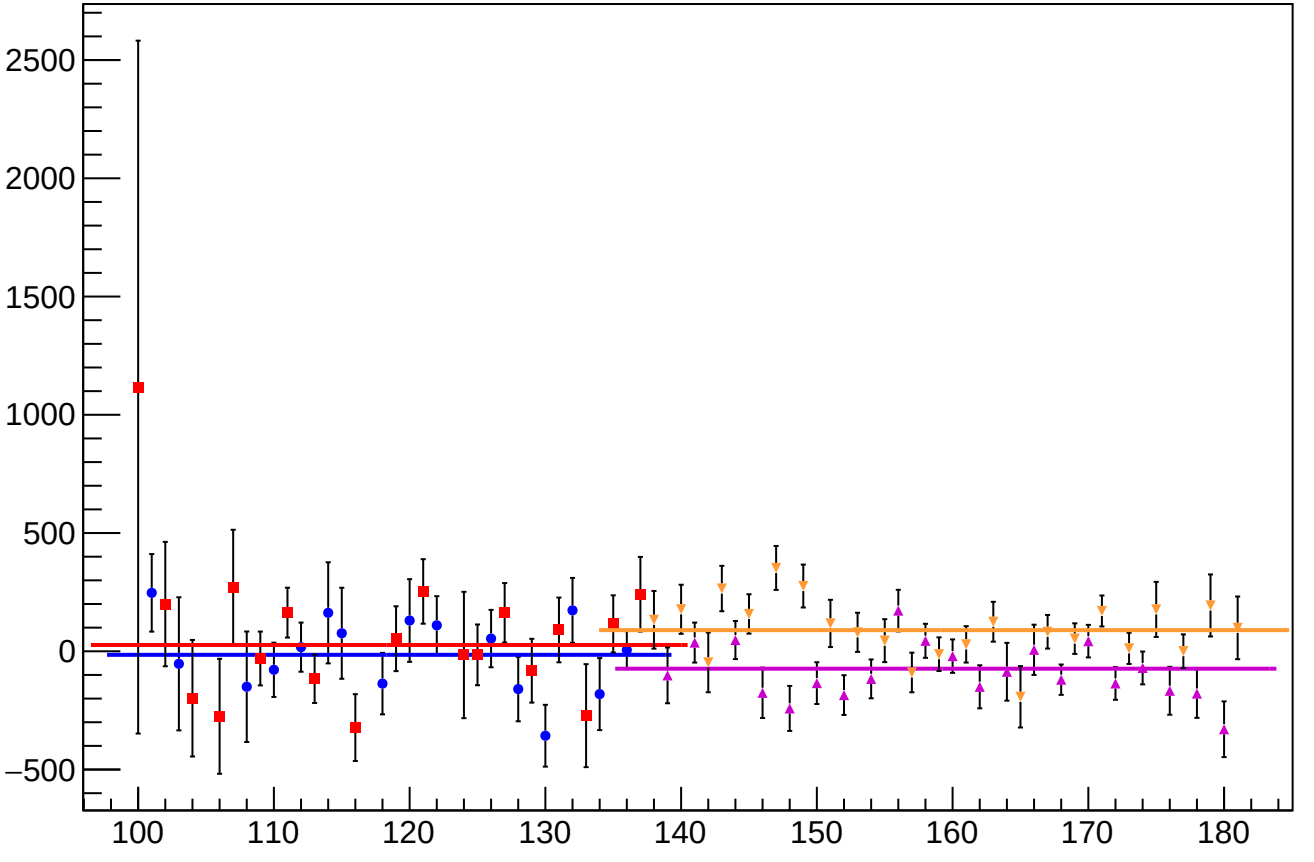
Left In: 530.919+/-0.093 χ^2/NDF:1786843.4/20

+ sign 580.370+/-0.086 χ^2/NDF: 5103506.6/38

All: 580.705+/-0.061 χ^2/NDF: 10055347.0/78

- sign 581.054+/-0.088 χ^2/NDF: 4951809.2/39

eigen_dit_asym_sam_37_avg_mean vs Slug



Right In: -14.954+/-33.761 χ^2/NDF: 18.3/15

Left Out: 89.404+/-18.026 χ^2/NDF:36.7/22

Right Out: 26.658+/-34.073 χ^2/NDF: 23.6/18

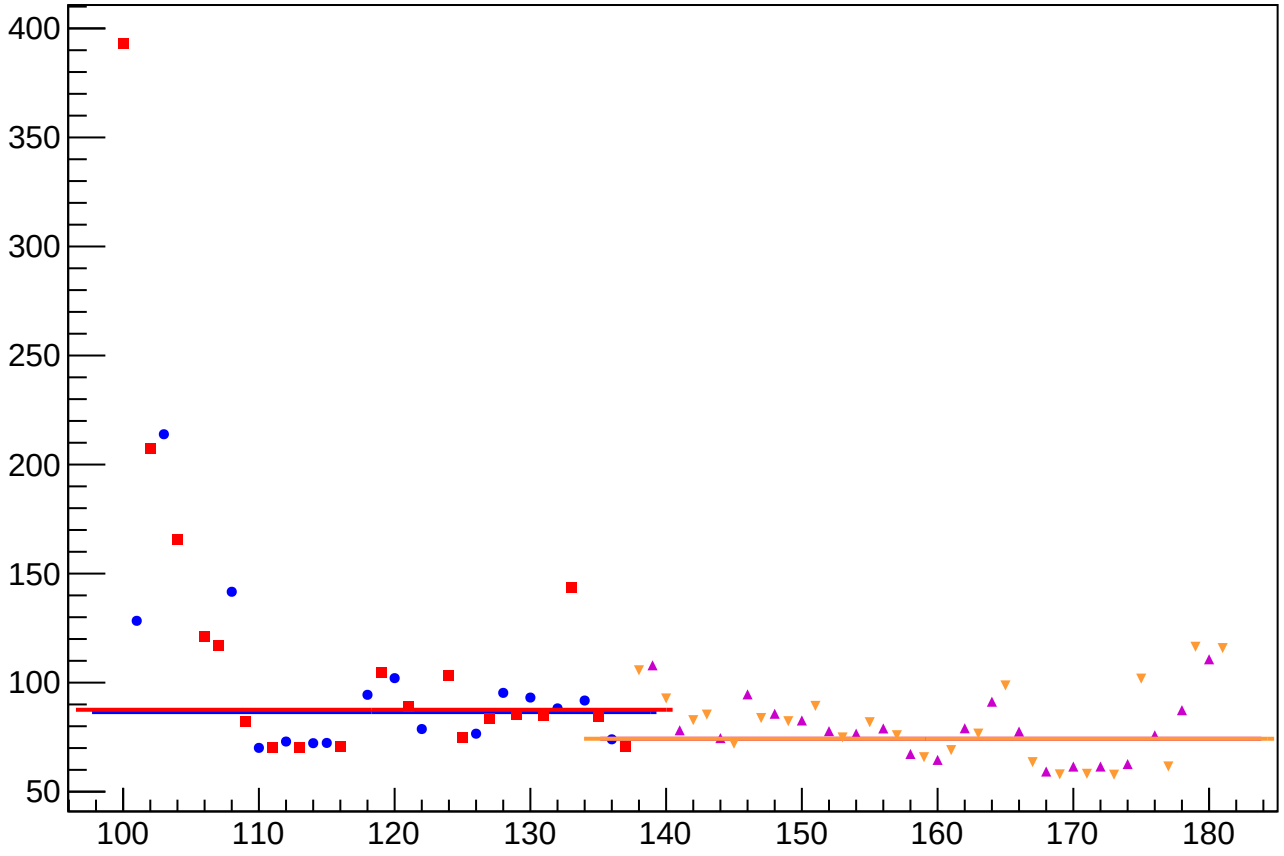
Left In: -73.622+/-18.515 χ^2/NDF:33.7/20

+ sign 66.253+/-15.902 χ^2/NDF: 62.4/38

All: 9.078+/-11.371 χ^2/NDF: 152.9/78

- sign -50.762+/-16.268 χ^2/NDF: 64.0/39

eigen_dit_asym_sam_37_avg_rms vs Slug



Right In: 86.489+/-0.024 χ^2/NDF: 856249.6/15

Left Out: 74.272+/-0.013 χ^2/NDF:1438623.3/22

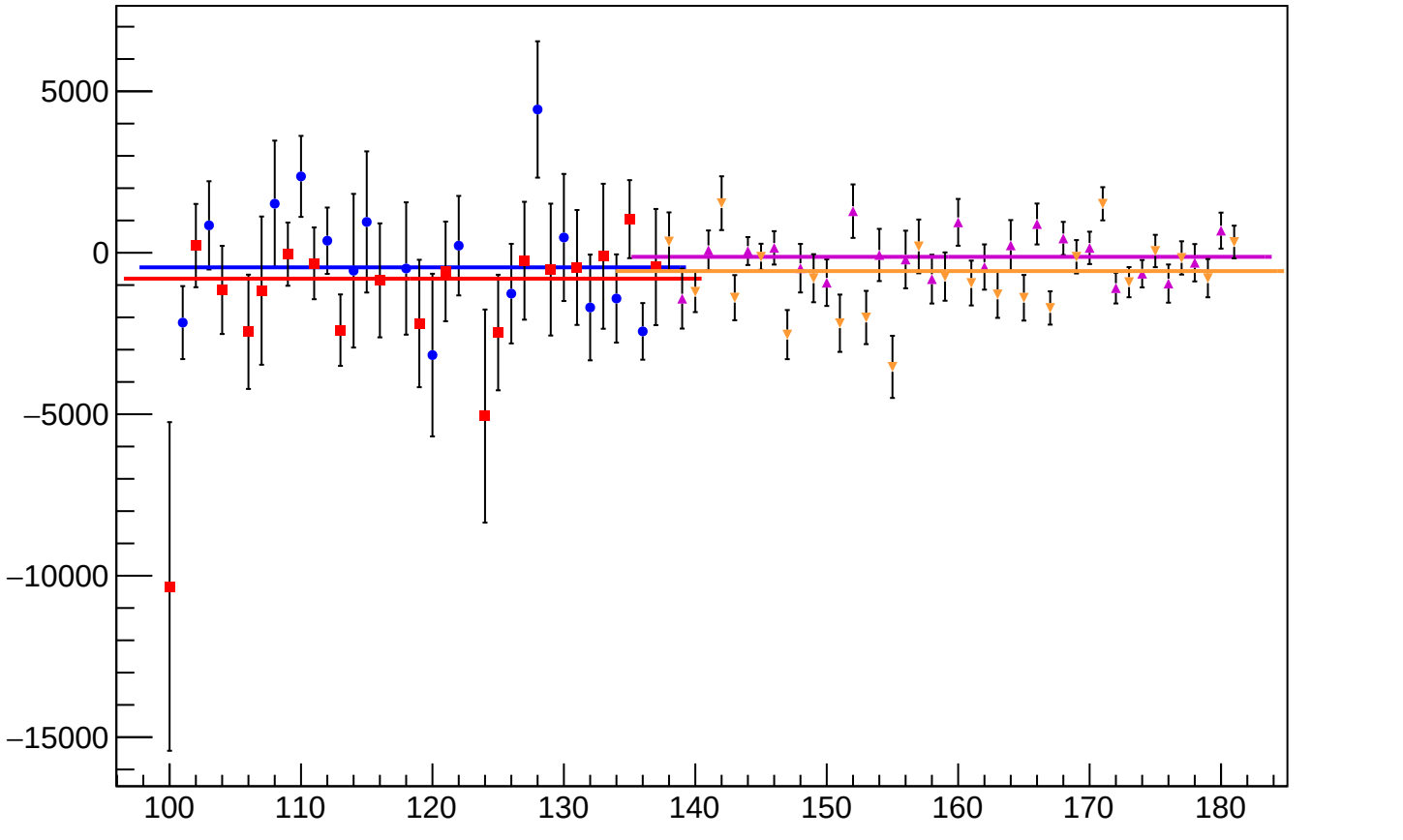
Right Out: 87.555+/-0.024 χ^2/NDF: 1129791.7/18

Left In: 74.248+/-0.013 χ^2/NDF:927867.1/20

+ sign 76.983+/-0.011 χ^2/NDF: 2498670.4/38

All: 77.129+/-0.008 χ^2/NDF: 4792196.3/78

- sign 77.281+/-0.012 χ^2/NDF: 2293181.4/39



Right In: -451.378+/-365.605 χ^2/NDF: 23.7/15

Left Out: -567.182+/-128.745 χ^2/NDF:65.3/22

Right Out: -801.205+/-357.865 χ^2/NDF: 13.6/18

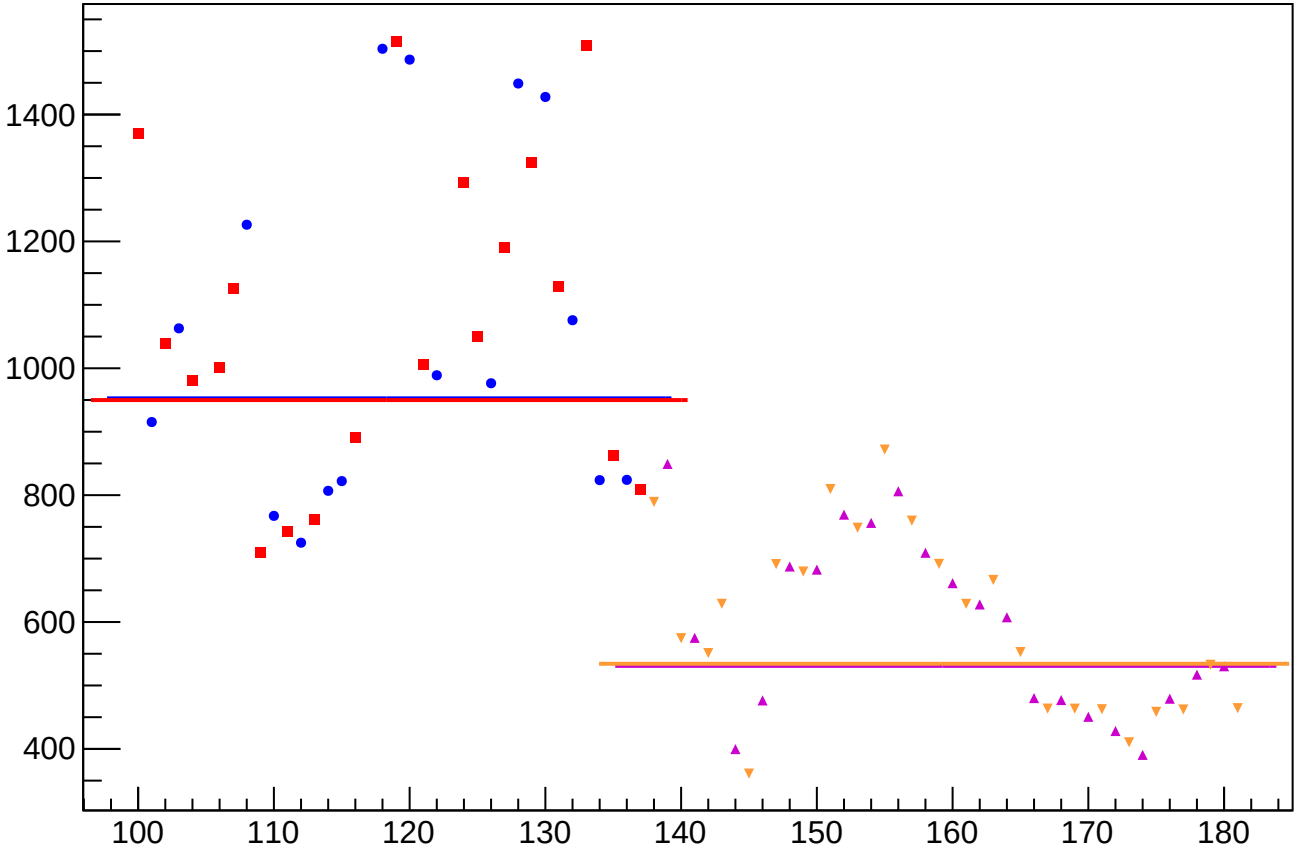
Left In: -126.066+/-131.939 χ^2/NDF:24.3/20

+ sign -554.406+/-121.436 χ^2/NDF: 89.1/38

All: -383.972+/-86.690 χ^2/NDF: 134.1/78

- sign -206.855+/-123.794 χ^2/NDF: 41.0/39

asym_sam_37_avg_eigen_dit_correction_rms vs Slug



Right In: 952.549+/-0.259 χ^2/NDF: 746349.8/15

Left Out: 534.217+/-0.091 χ^2/NDF:2027550.8/22

Right Out: 949.890+/-0.253 χ^2/NDF: 751674.5/18

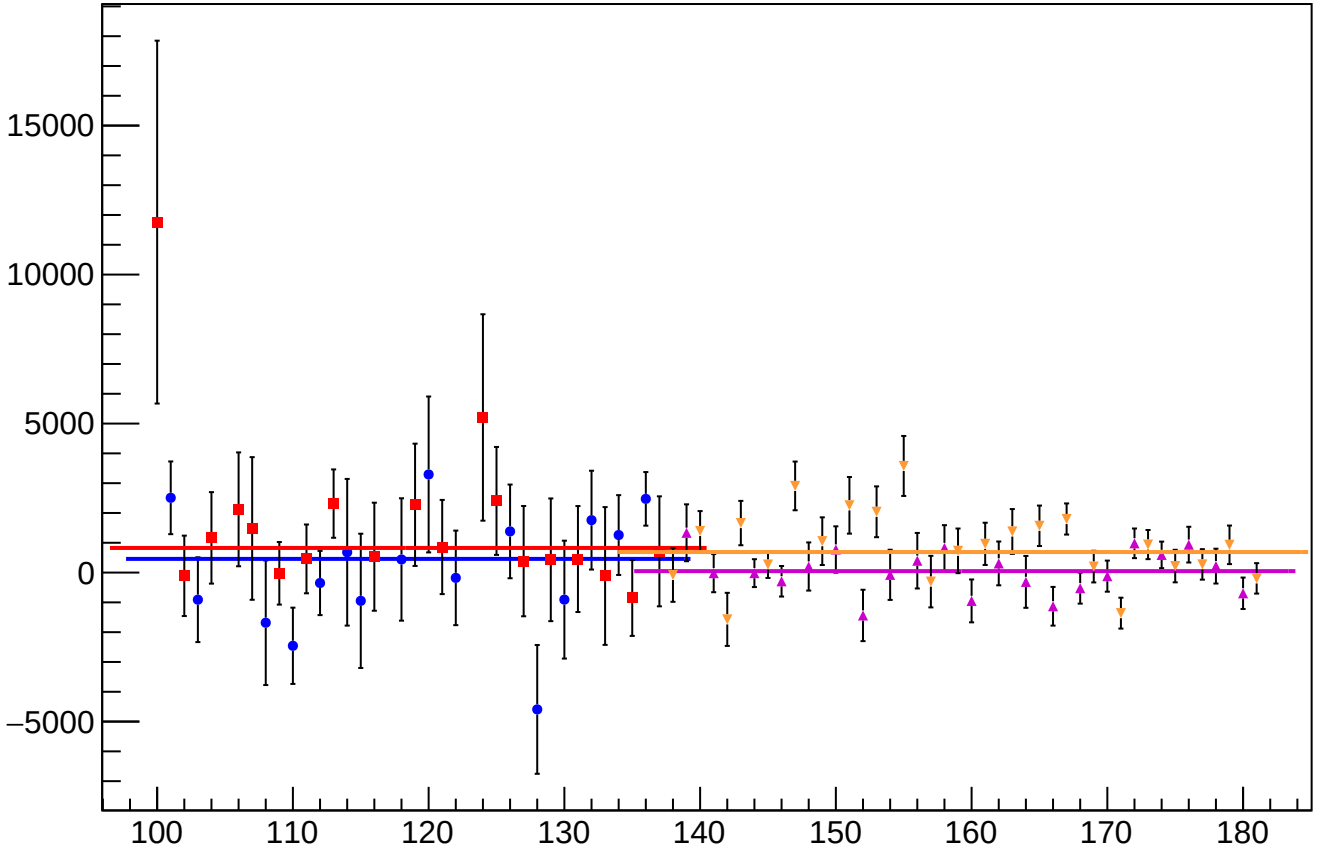
Left In: 530.919+/-0.093 χ^2/NDF:1786837.6/20

+ sign 580.369+/-0.086 χ^2/NDF: 5103495.6/38

All: 580.705+/-0.061 χ^2/NDF: 10055319.6/78

- sign 581.054+/-0.088 χ^2/NDF: 4951792.8/39

asym_sam_37_avg_mean vs Slug



Right In: 459.137+/-376.873 χ^2/NDF: 24.6/15

Left Out: 688.815+/-134.136 χ^2/NDF:61.7/22

Right Out: 826.531+/-374.244 χ^2/NDF: 11.7/18

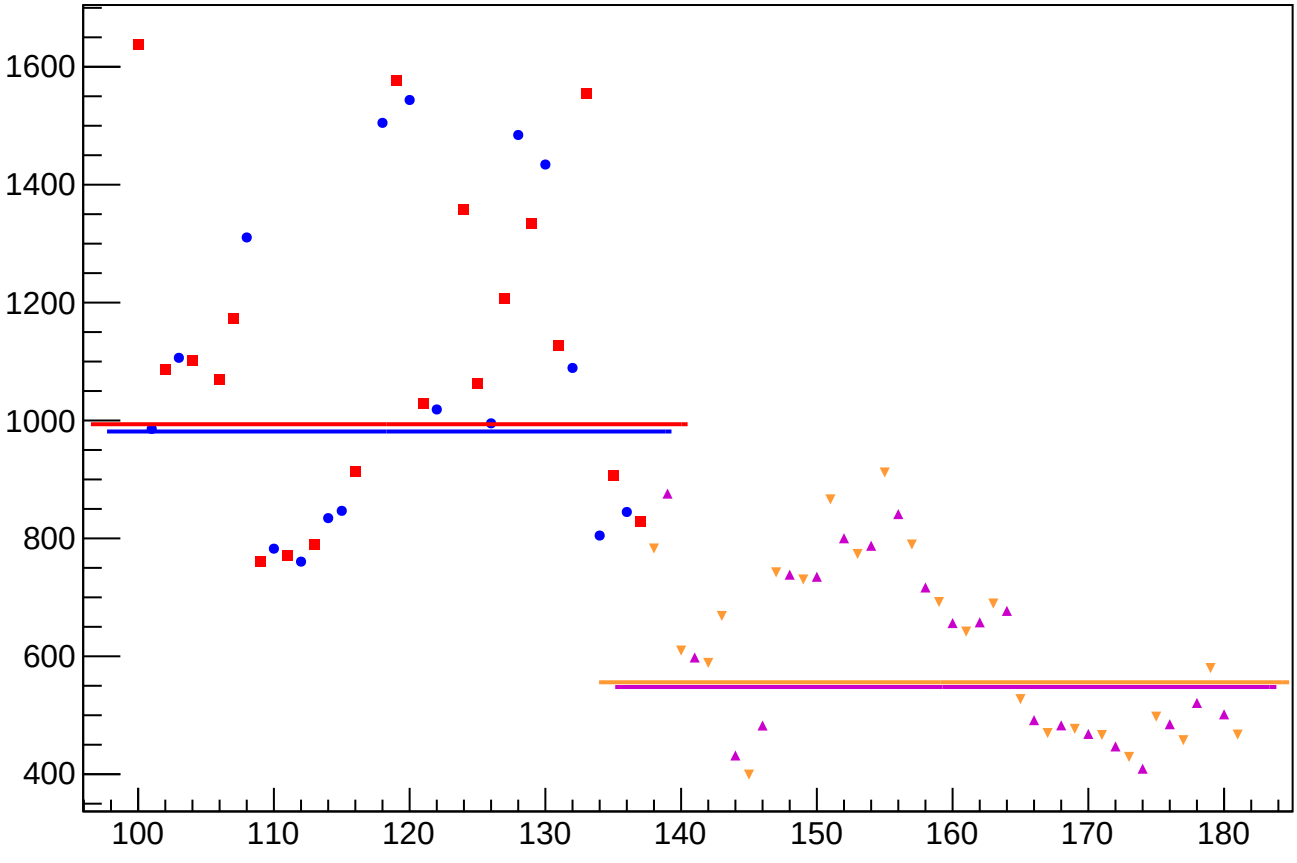
Left In: 48.549+/-136.136 χ^2/NDF:23.5/20

+ sign 662.991+/-126.370 χ^2/NDF: 86.6/38

All: 404.447+/-89.905 χ^2/NDF: 134.0/78

- sign 139.464+/-127.934 χ^2/NDF: 39.0/39

asym_sam_37_avg_rms vs Slug



Right In: 981.349+/-0.266 χ^2/NDF: 737627.4/15

Left Out: 555.944+/-0.095 χ^2/NDF:1984218.6/22

Right Out: 993.684+/-0.265 χ^2/NDF: 719799.0/18

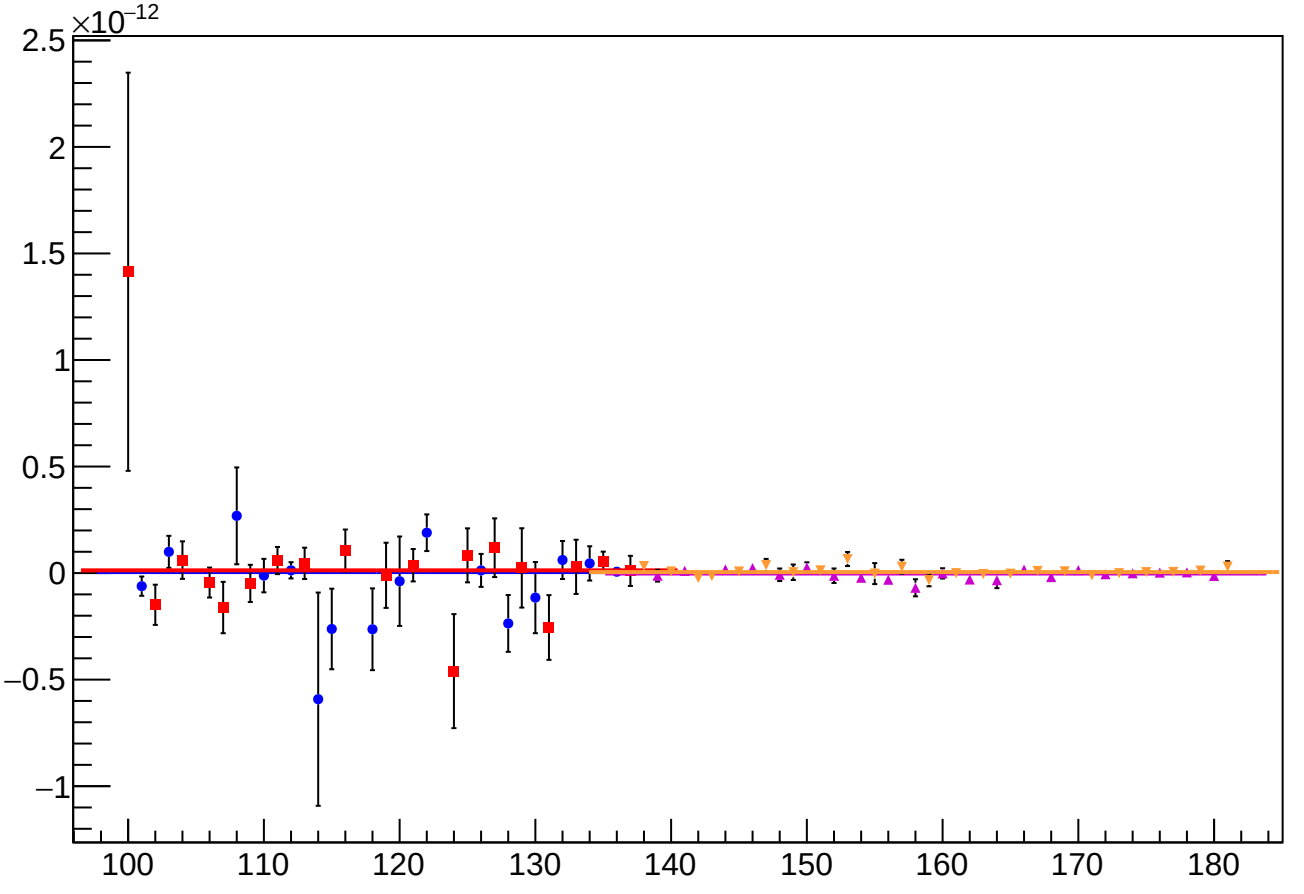
Left In: 547.906+/-0.096 χ^2/NDF:1804943.8/20

+ sign 603.774+/-0.089 χ^2/NDF: 4983596.1/38

All: 601.910+/-0.064 χ^2/NDF: 10015263.1/78

- sign 599.999+/-0.090 χ^2/NDF: 5030785.6/39

asym_sam_37_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 19.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.4/22

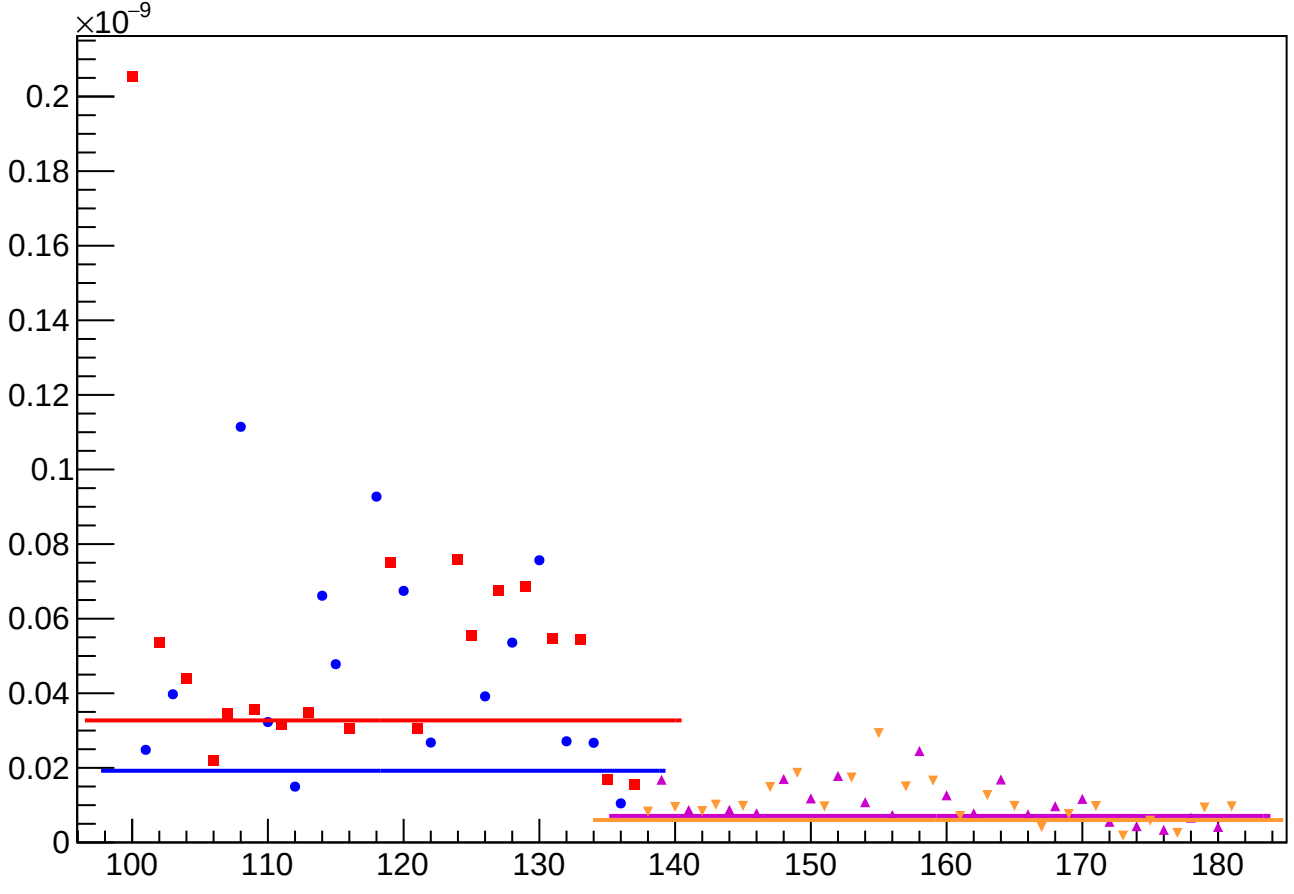
Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: -0.000+/-0.000 χ^2/NDF:19.8/20

+ sign 0.000+/-0.000 χ^2/NDF: 35.1/38

All: 0.000+/-0.000 χ^2/NDF: 75.7/78

- sign -0.000+/-0.000 χ^2/NDF: 38.7/39



Right In: 0.000+/-0.000 χ^2/NDF: 1977908.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:3600287.3/22

Right Out: 0.000+/-0.000 χ^2/NDF: 1181327.3/18

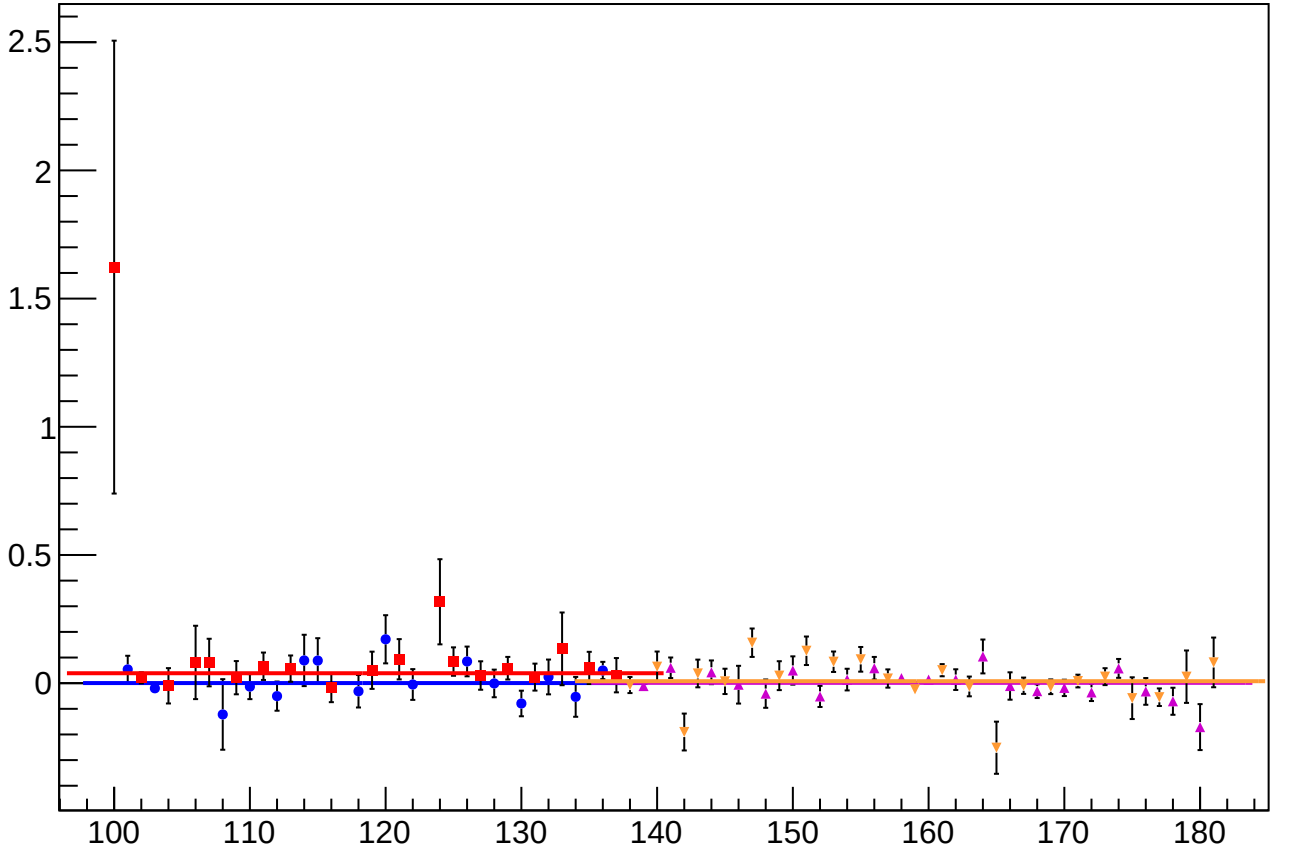
Left In: 0.000+/-0.000 χ^2/NDF:2292728.8/20

+ sign 0.000+/-0.000 χ^2/NDF: 7175622.4/38

All: 0.000+/-0.000 χ^2/NDF: 13753263.4/78

- sign 0.000+/-0.000 χ^2/NDF: 6436892.3/39

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: 0.008+/-0.008 χ^2/NDF:47.4/22

Right Out: 0.039+/-0.013 χ^2/NDF: 11.1/18

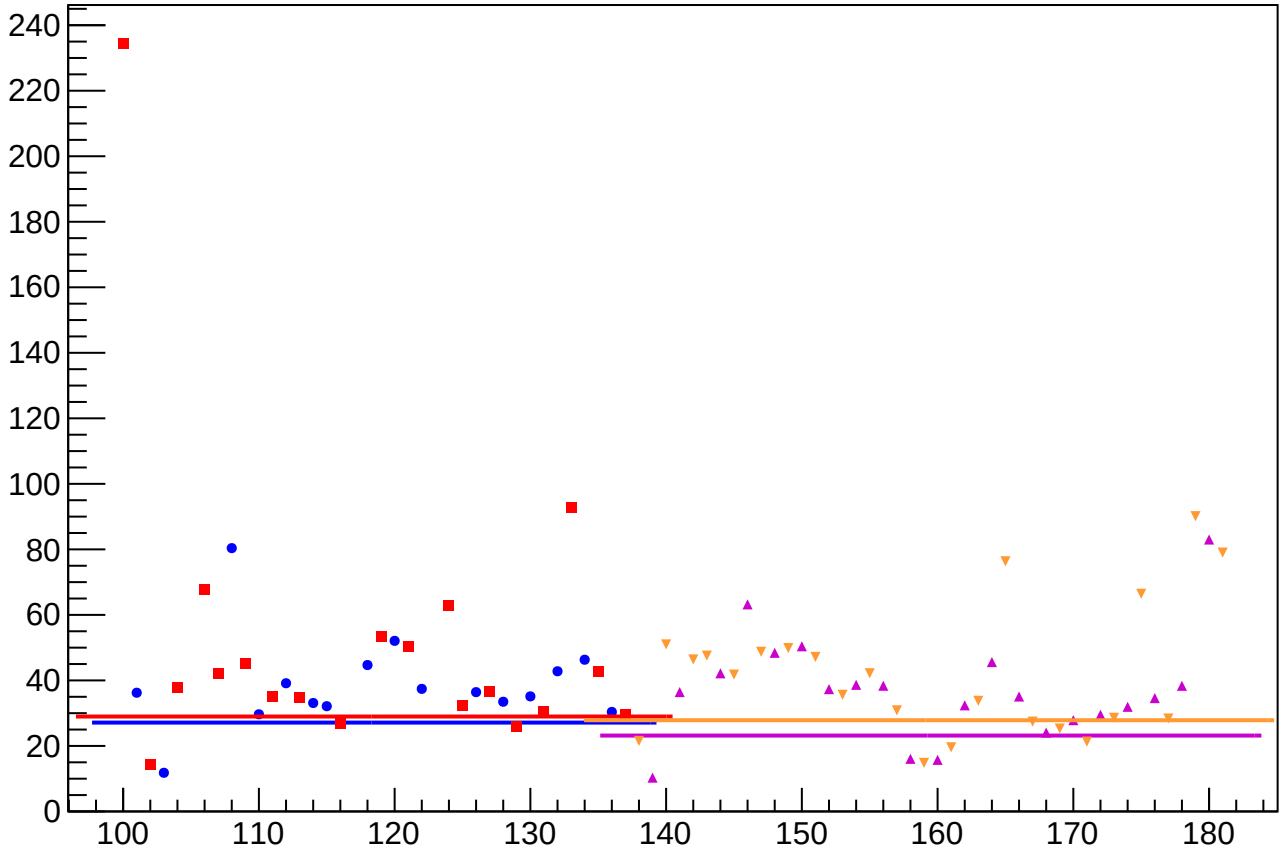
Left In: 0.001+/-0.007 χ^2/NDF:24.1/20

+ sign 0.006+/-0.006 χ^2/NDF: 64.2/38

All: 0.008+/-0.004 χ^2/NDF: 106.4/78

- sign 0.010+/-0.006 χ^2/NDF: 41.9/39

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: 27.842+/-0.005 χ^2/NDF:5946213.3/22

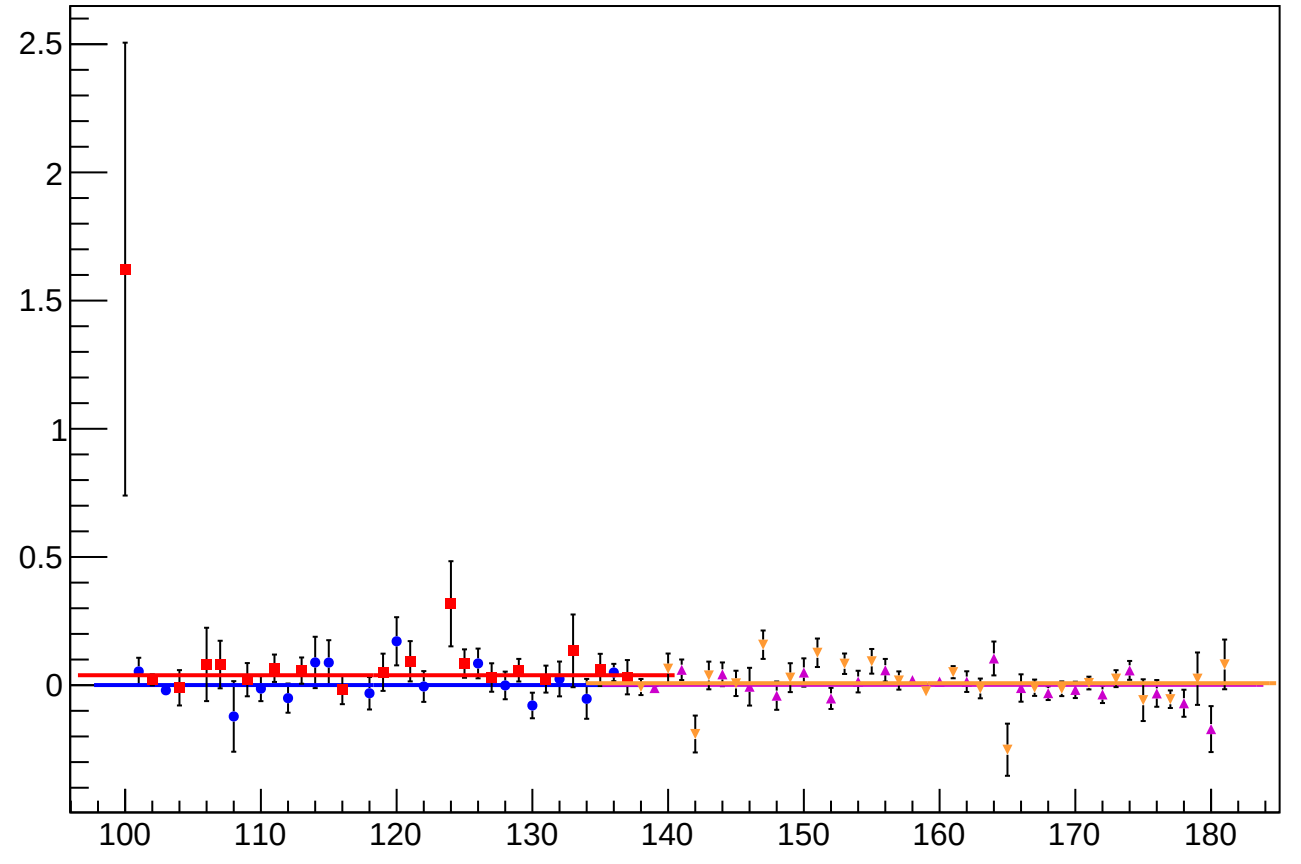
Right Out: 28.979+/-0.009 χ^2/NDF: 2456254.0/18

Left In: 23.165+/-0.005 χ^2/NDF:7109914.0/20

+ sign 27.638+/-0.005 χ^2/NDF: 8366563.6/38

All: 25.951+/-0.003 χ^2/NDF: 18517881.1/78

- sign 24.479+/-0.004 χ^2/NDF: 9893790.0/39



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.008+/-0.008 χ^2/NDF:47.4/22

Right Out: 0.039+/-0.013 χ^2/NDF: 11.1/18

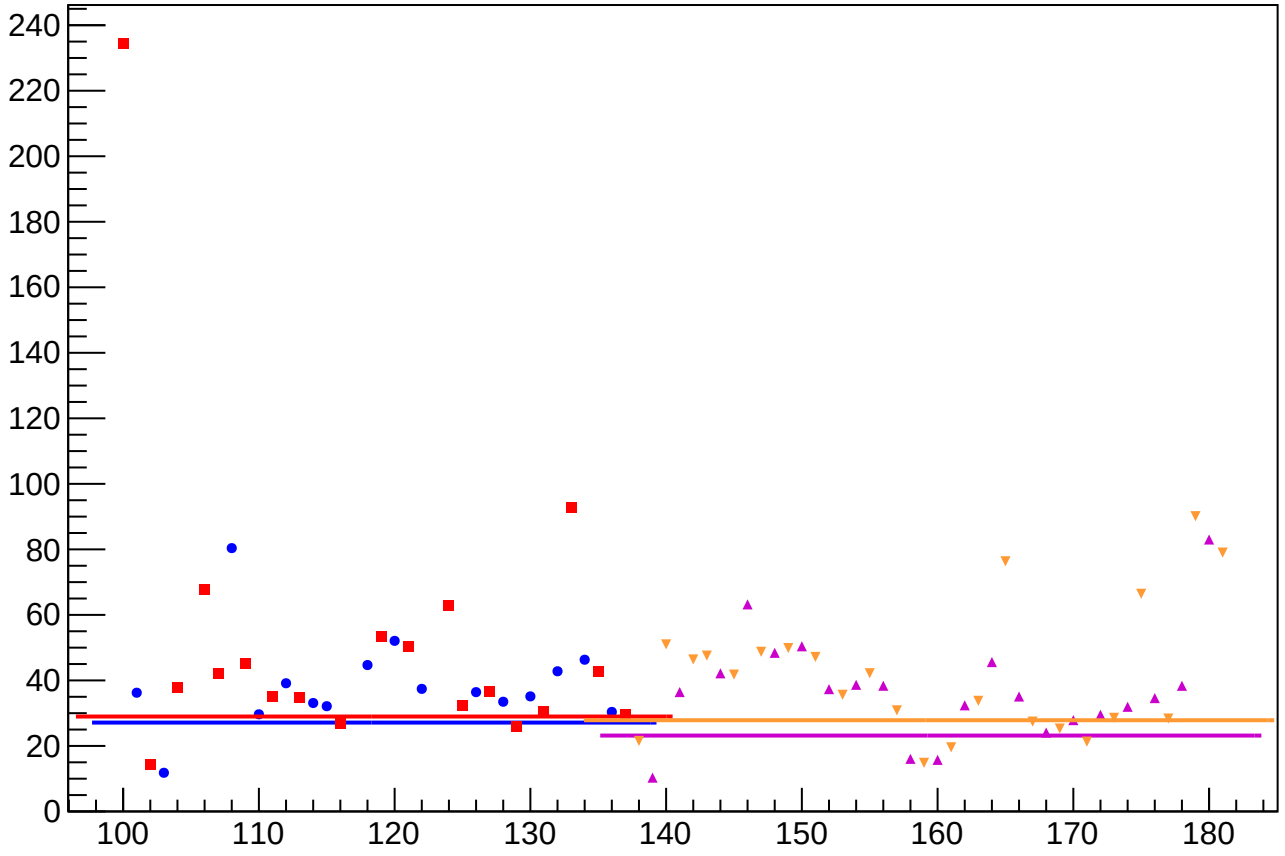
Left In: 0.001+/-0.007 χ^2/NDF:24.1/20

+ sign 0.006+/-0.006 χ^2/NDF: 64.2/38

All: 0.008+/-0.004 χ^2/NDF: 106.4/78

- sign 0.010+/-0.006 χ^2/NDF: 41.9/39

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: 27.842+/-0.005 χ^2/NDF:5946213.3/22

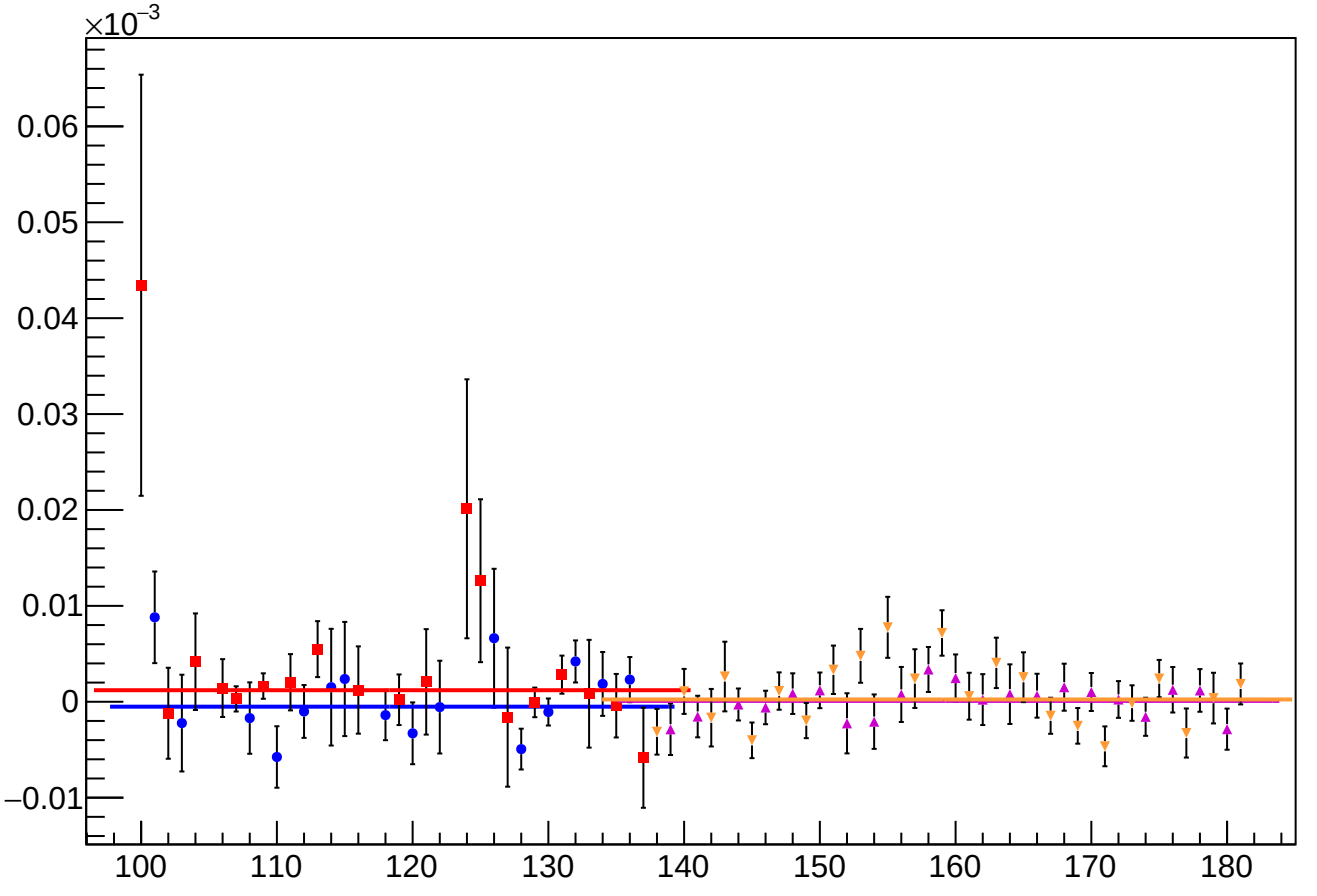
Right Out: 28.979+/-0.009 χ^2/NDF: 2456254.0/18

Left In: 23.165+/-0.005 χ^2/NDF:7109914.0/20

+ sign 27.638+/-0.005 χ^2/NDF: 8366563.6/38

All: 25.951+/-0.003 χ^2/NDF: 18517881.1/78

- sign 24.479+/-0.004 χ^2/NDF: 9893790.0/39



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:43.9/22

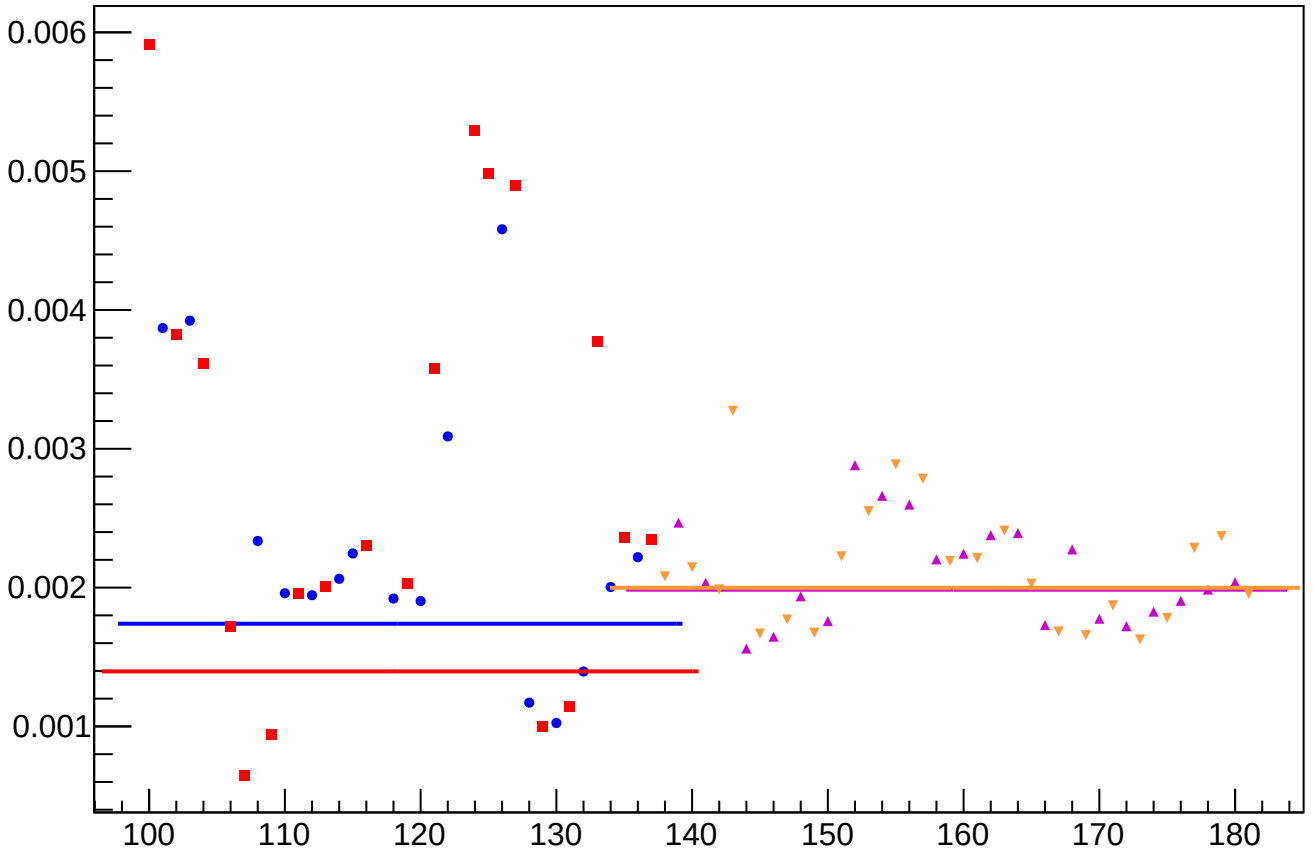
Right Out: 0.000+/-0.000 χ^2/NDF: 14.6/18

Left In: 0.000+/-0.000 χ^2/NDF:10.3/20

+ sign 0.000+/-0.000 χ^2/NDF: 64.6/38

All: 0.000+/-0.000 χ^2/NDF: 92.4/78

- sign 0.000+/-0.000 χ^2/NDF: 26.9/39



Right In: 0.002+/-0.000 χ^2/NDF: 2146798.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:1171185.3/22

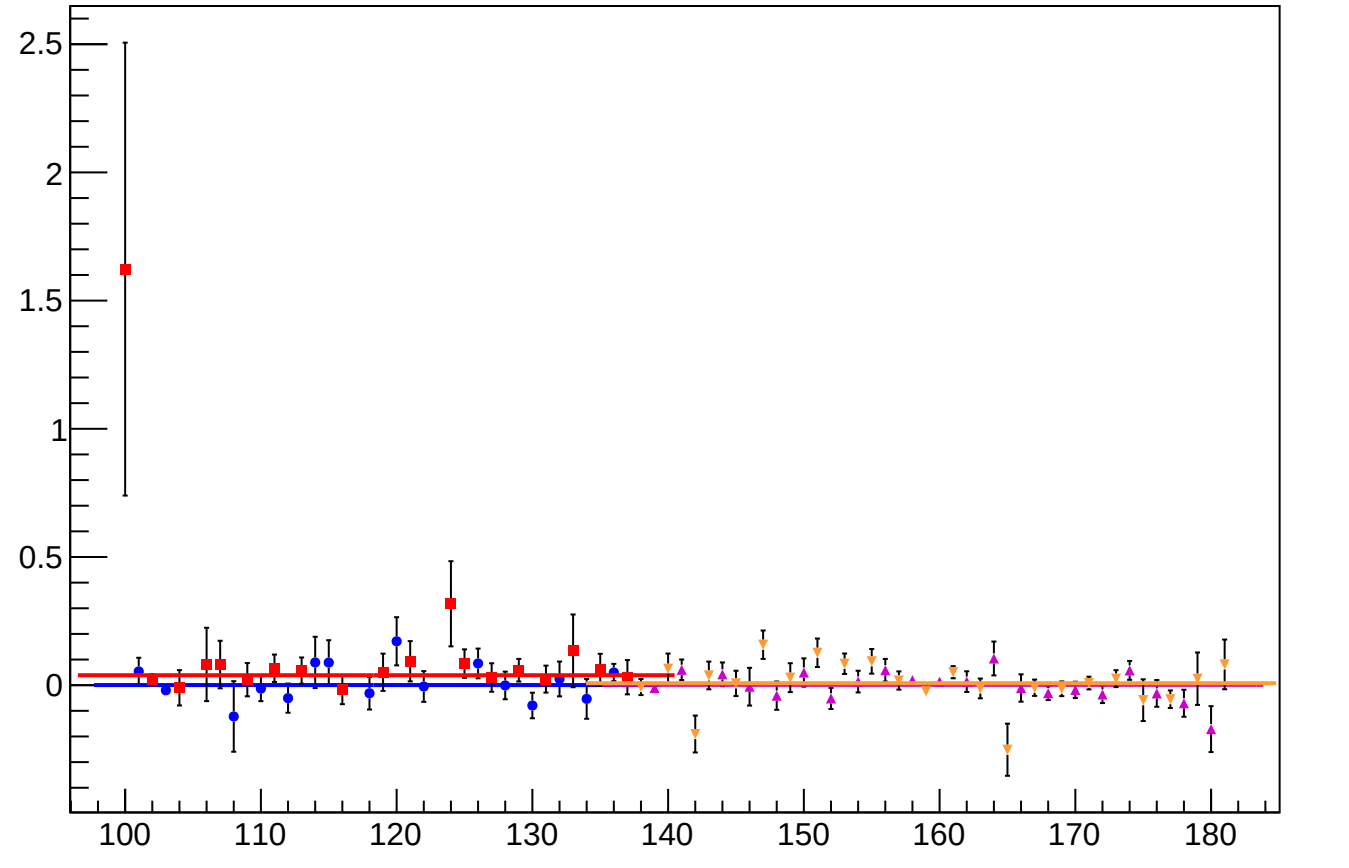
Right Out: 0.001+/-0.000 χ^2/NDF: 4323193.2/18

Left In: 0.002+/-0.000 χ^2/NDF:916575.9/20

+ sign 0.002+/-0.000 χ^2/NDF: 3499098.8/38

All: 0.002+/-0.000 χ^2/NDF: 10047538.4/78

- sign 0.002+/-0.000 χ^2/NDF: 6374418.7/39



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.008+/-0.008 χ^2/NDF:47.4/22

Right Out: 0.039+/-0.013 χ^2/NDF: 11.1/18

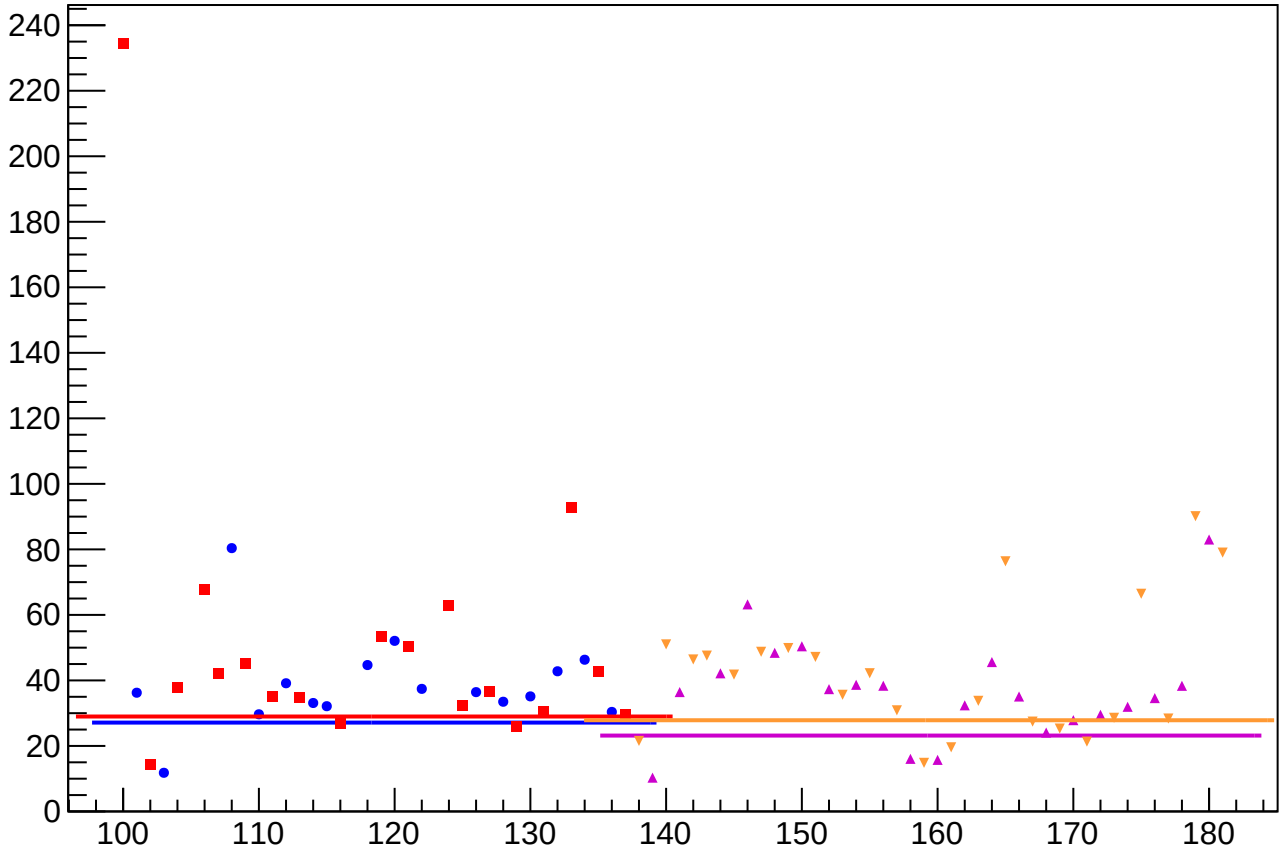
Left In: 0.001+/-0.007 χ^2/NDF:24.1/20

+ sign 0.006+/-0.006 χ^2/NDF: 64.2/38

All: 0.008+/-0.004 χ^2/NDF: 106.4/78

- sign 0.010+/-0.006 χ^2/NDF: 41.9/39

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: 27.842+/-0.005 χ^2/NDF:5946663.1/22

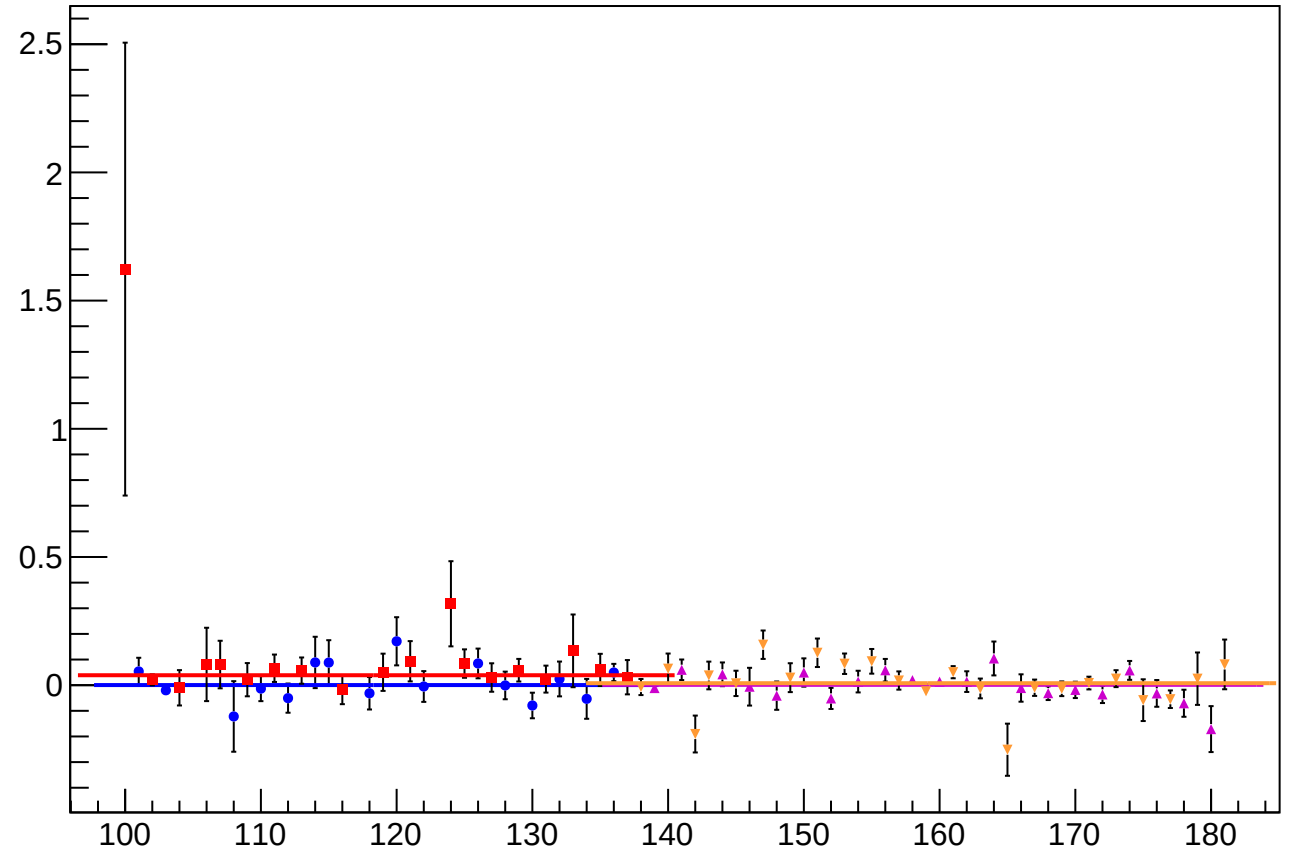
Right Out: 28.982+/-0.009 χ^2/NDF: 2455659.1/18

Left In: 23.164+/-0.005 χ^2/NDF:7110934.0/20

+ sign 27.638+/-0.005 χ^2/NDF: 8367353.9/38

All: 25.950+/-0.003 χ^2/NDF: 18519498.0/78

- sign 24.479+/-0.004 χ^2/NDF: 9894617.8/39



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.008+/-0.008 χ^2/NDF:47.4/22

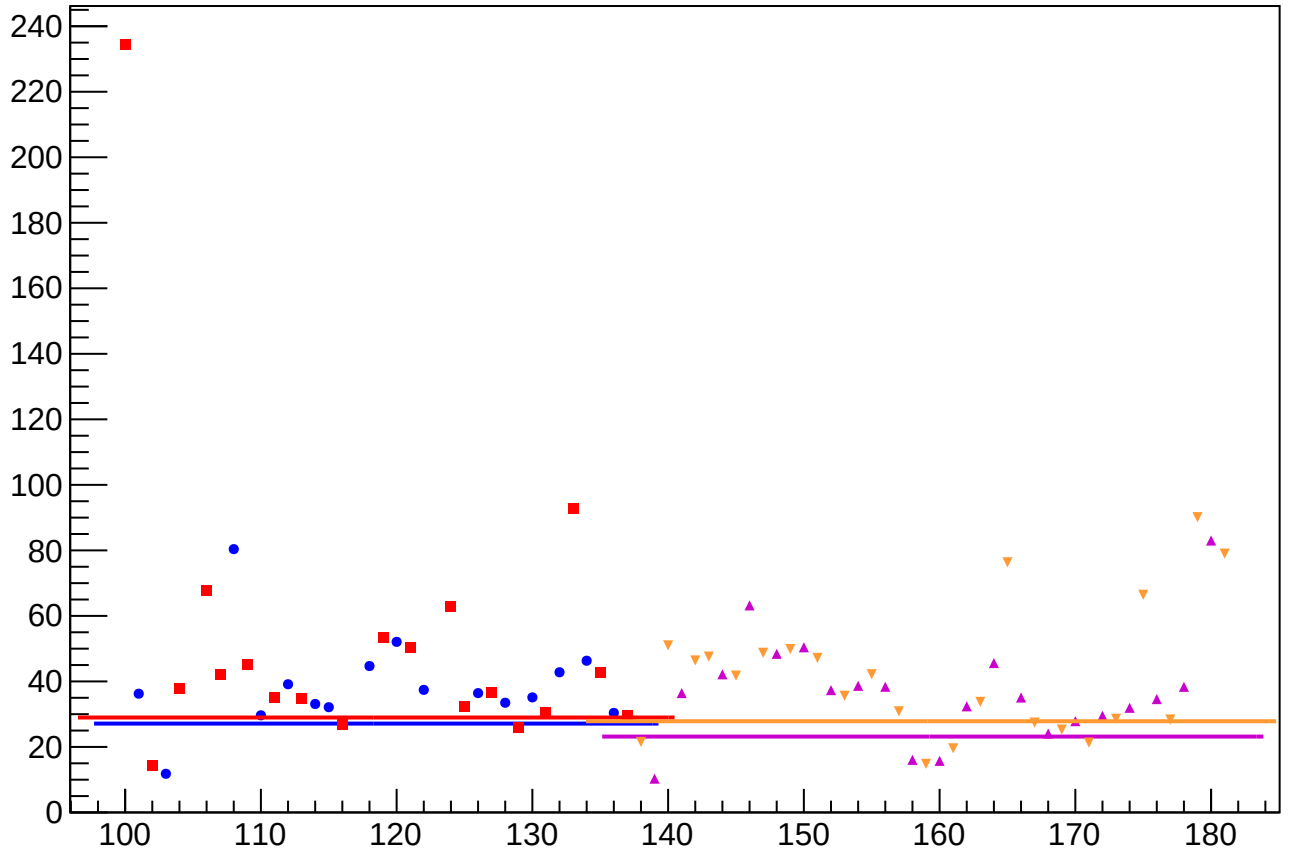
Right Out: 0.039+/-0.013 χ^2/NDF: 11.1/18

Left In: 0.001+/-0.007 χ^2/NDF:24.1/20

+ sign 0.006+/-0.006 χ^2/NDF: 64.2/38

All: 0.008+/-0.004 χ^2/NDF: 106.4/78

- sign 0.010+/-0.006 χ^2/NDF: 41.9/39



Right In: 27.127+/-0.009 χ^2/NDF: 2415651.3/15

Left Out: 27.842+/-0.005 χ^2/NDF:5946663.1/22

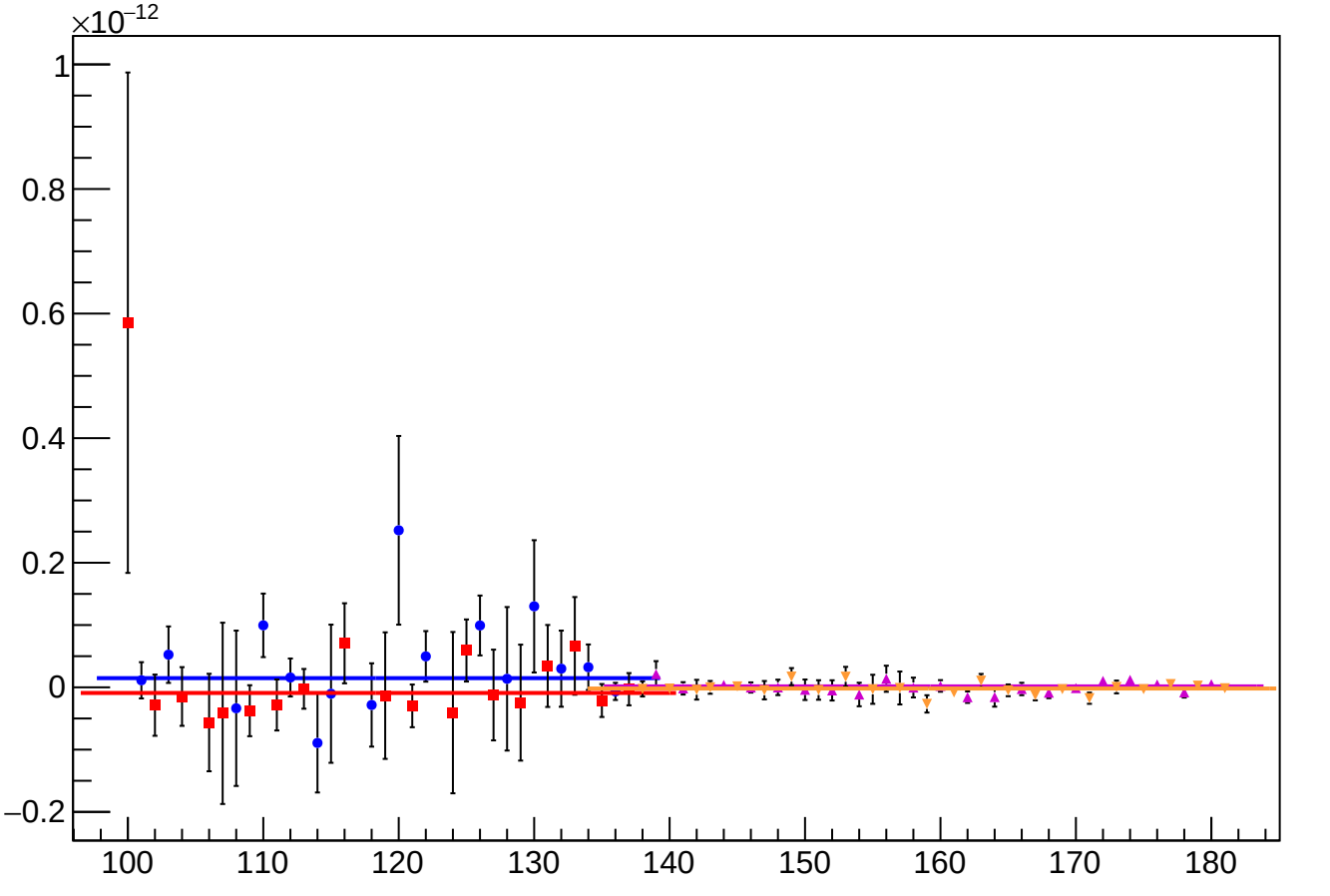
Right Out: 28.982+/-0.009 χ^2/NDF: 2455659.1/18

Left In: 23.164+/-0.005 χ^2/NDF:7110934.0/20

+ sign 27.638+/-0.005 χ^2/NDF: 8367353.9/38

All: 25.950+/-0.003 χ^2/NDF: 18519498.0/78

- sign 24.479+/-0.004 χ^2/NDF: 9894617.8/39



Right In: 0.000+/-0.000 χ^2/NDF: 15.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.4/22

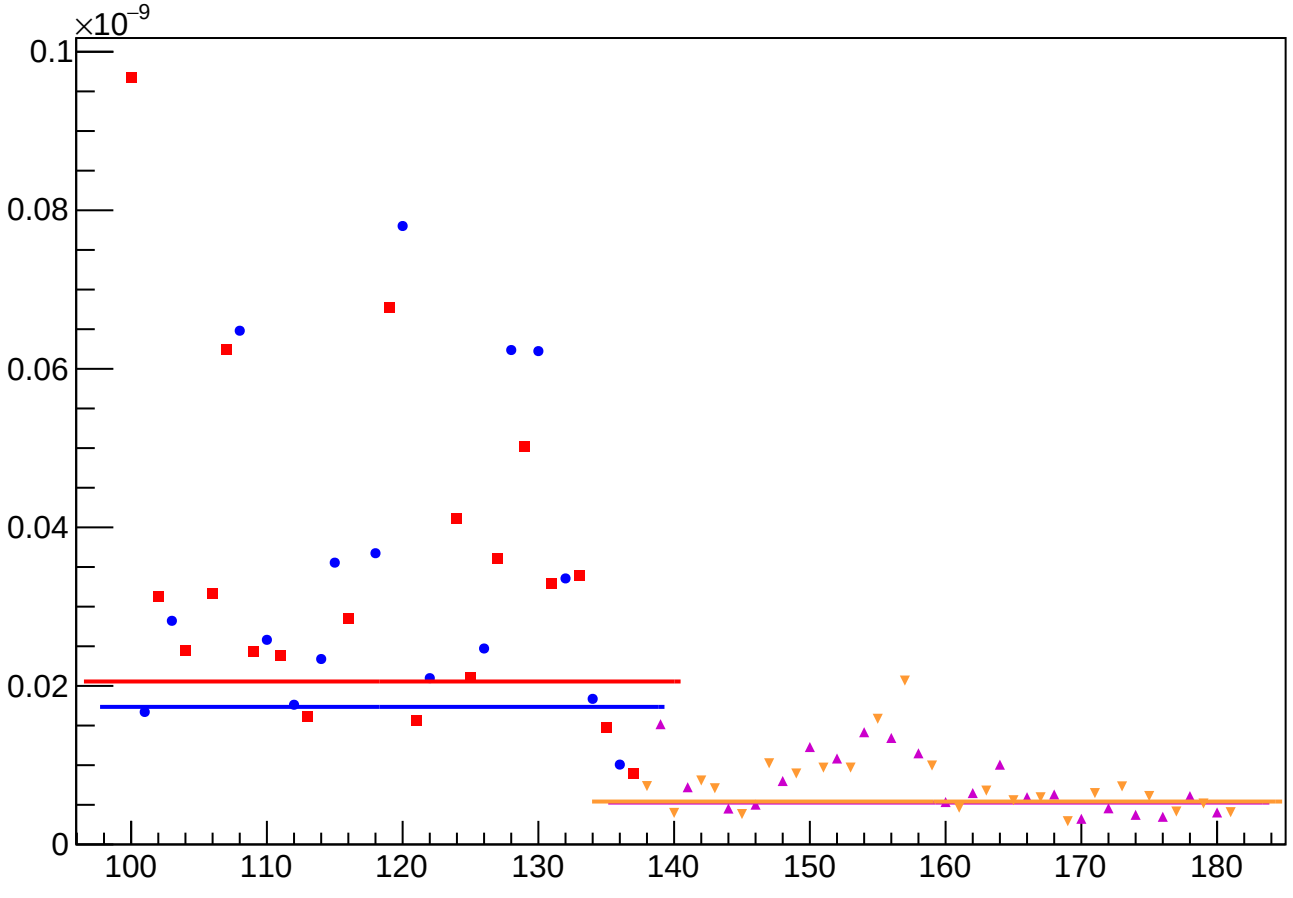
Right Out: -0.000+/-0.000 χ^2/NDF: 9.0/18

Left In: 0.000+/-0.000 χ^2/NDF:15.6/20

+ sign -0.000+/-0.000 χ^2/NDF: 34.4/38

All: -0.000+/-0.000 χ^2/NDF: 60.8/78

- sign 0.000+/-0.000 χ^2/NDF: 25.5/39



Right In: 0.000+/-0.000 χ^2/NDF: 2442014.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:3063961.2/22

Right Out: 0.000+/-0.000 χ^2/NDF: 1925673.6/18

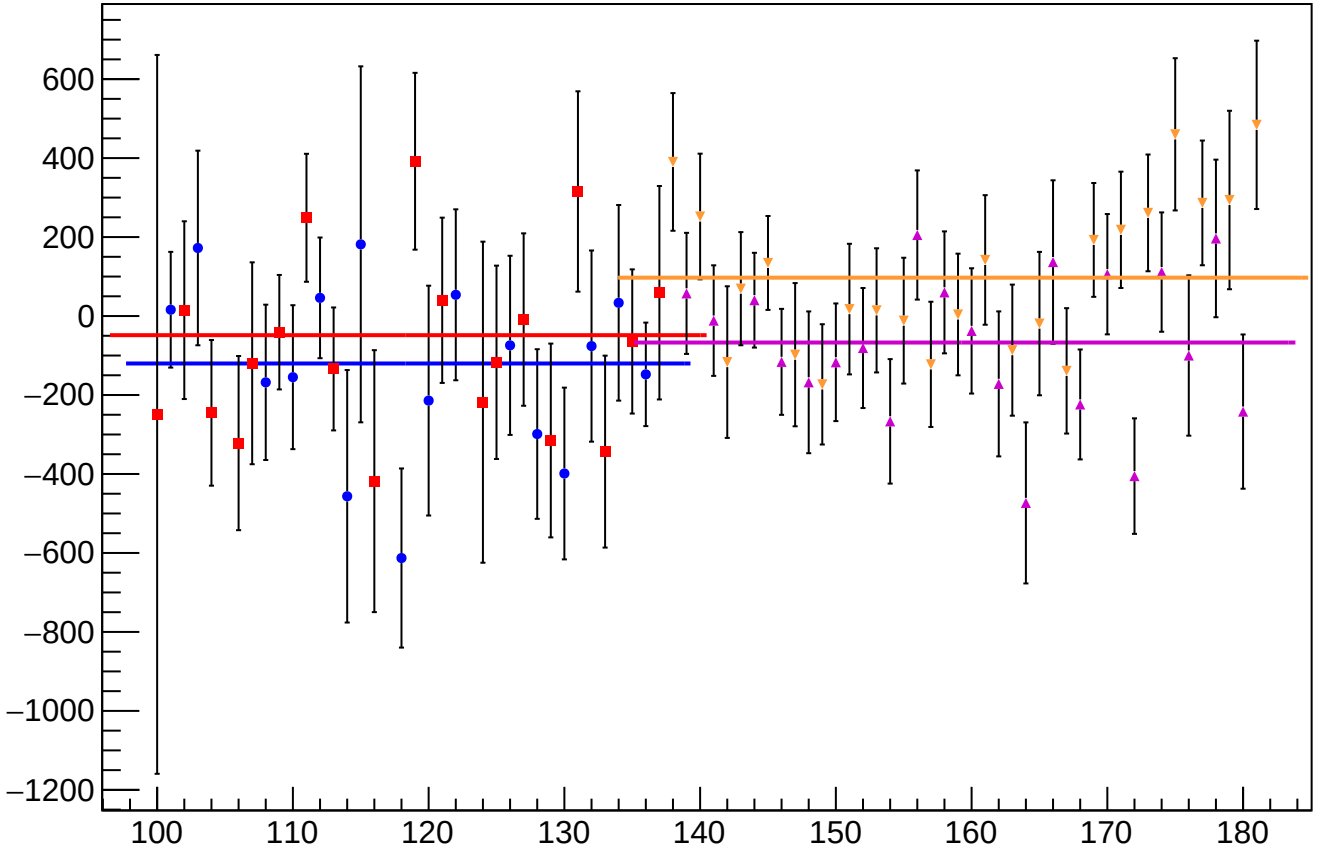
Left In: 0.000+/-0.000 χ^2/NDF:3305120.2/20

+ sign 0.000+/-0.000 χ^2/NDF: 8579837.5/38

All: 0.000+/-0.000 χ^2/NDF: 17680542.7/78

- sign 0.000+/-0.000 χ^2/NDF: 9095784.0/39

reg_asym_sam_48_avg_mean vs Slug



Right In: -120.159+/-51.103 χ^2/NDF: 13.4/15

Left Out: 97.164+/-33.656 χ^2/NDF:28.0/22

Right Out: -48.449+/-49.910 χ^2/NDF: 17.0/18

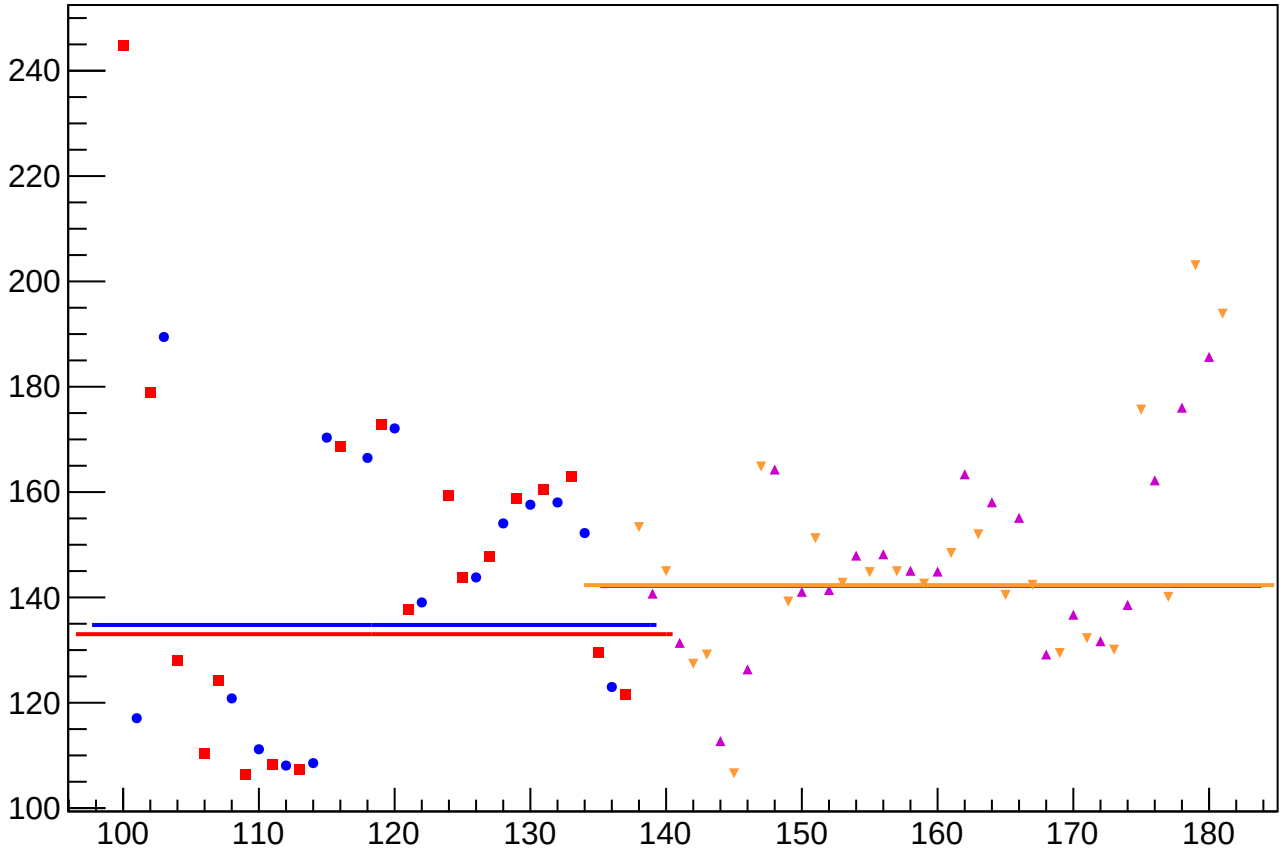
Left In: -67.082+/-34.605 χ^2/NDF:24.4/20

+ sign 31.419+/-28.108 χ^2/NDF: 54.0/38

All: -14.267+/-19.991 χ^2/NDF: 100.9/78

- sign -61.032+/-28.438 χ^2/NDF: 41.5/39

reg_asym_sam_48_avg_rms vs Slug



Right In: 134.771+/-0.036 χ^2/NDF: 416778.7/15

Left Out: 142.336+/-0.024 χ^2/NDF:627124.1/22

Right Out: 133.019+/-0.035 χ^2/NDF: 495717.0/18

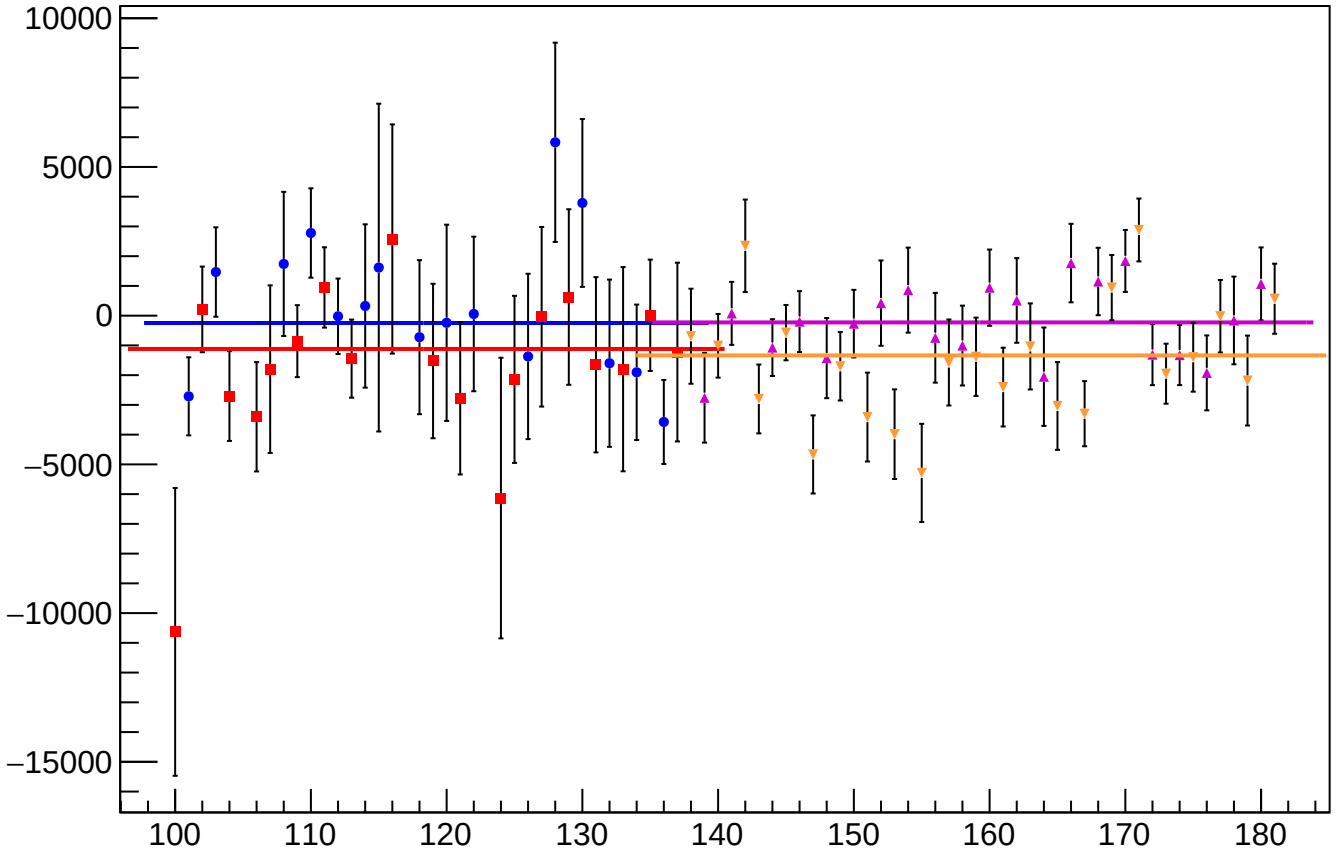
Left In: 142.164+/-0.024 χ^2/NDF:451966.1/20

+ sign 140.047+/-0.020 χ^2/NDF: 1074466.6/38

All: 139.626+/-0.014 χ^2/NDF: 2068403.1/78

- sign 139.195+/-0.020 χ^2/NDF: 993028.7/39

asym_sam_48_avg_reg_correction_mean vs Slug



Right In: -246.357+/-501.413 χ^2/NDF: 21.6/15

Left Out: -1336.333+/-259.431 χ^2/NDF:55.4/22

Right Out: -1119.420+/-468.400 χ^2/NDF: 13.4/18

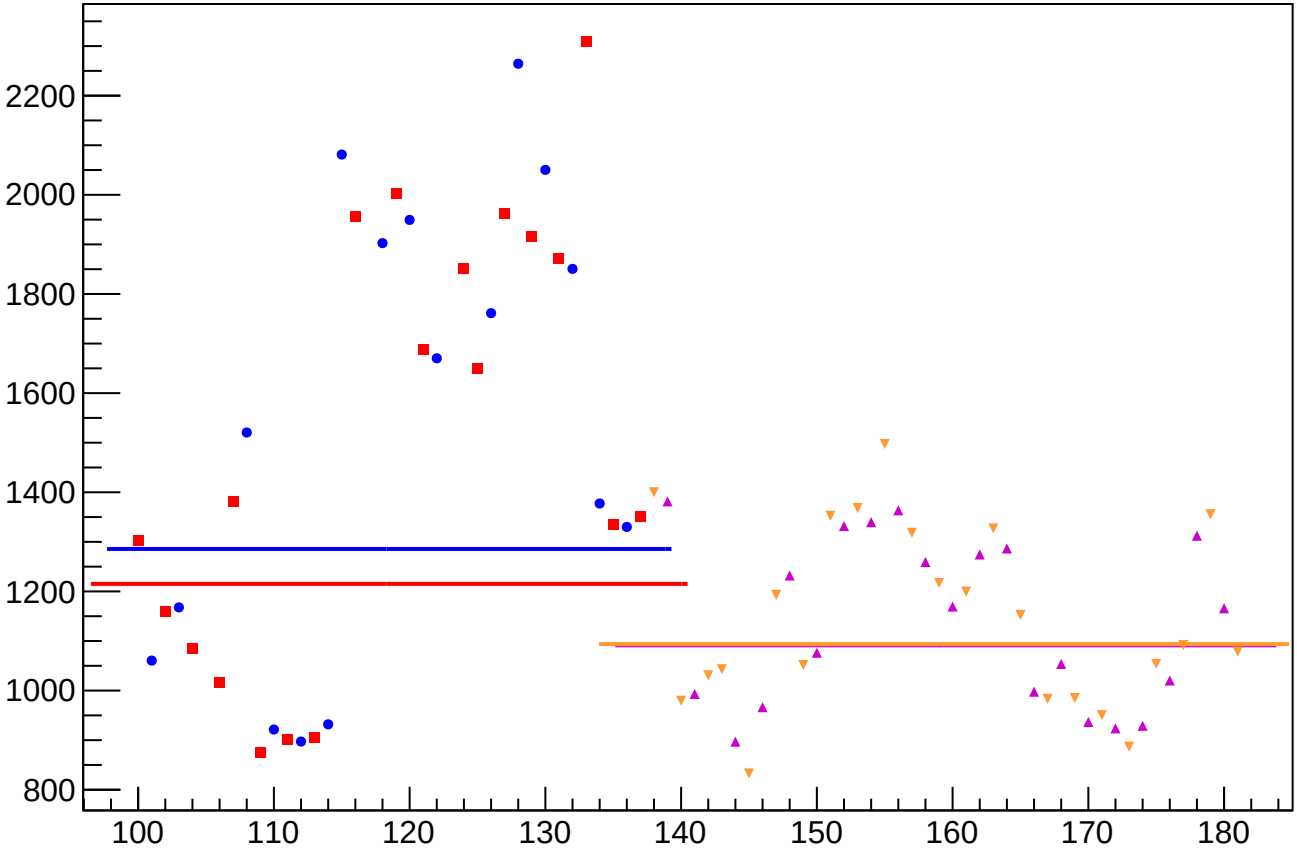
Left In: -226.829+/-266.343 χ^2/NDF:21.0/20

+ sign -1106.162+/-230.416 χ^2/NDF: 80.8/38

All: -777.134+/-163.321 χ^2/NDF: 122.0/78

- sign -444.918+/-231.530 χ^2/NDF: 37.1/39

asym_sam_48_avg_reg_correction_rms vs Slug



Right In: 1285.668+/-0.355 χ^2/NDF: 1170437.4/15

Left Out: 1093.776+/-0.183 χ^2/NDF:878677.0/22

Right Out: 1215.237+/-0.331 χ^2/NDF: 1386290.4/18

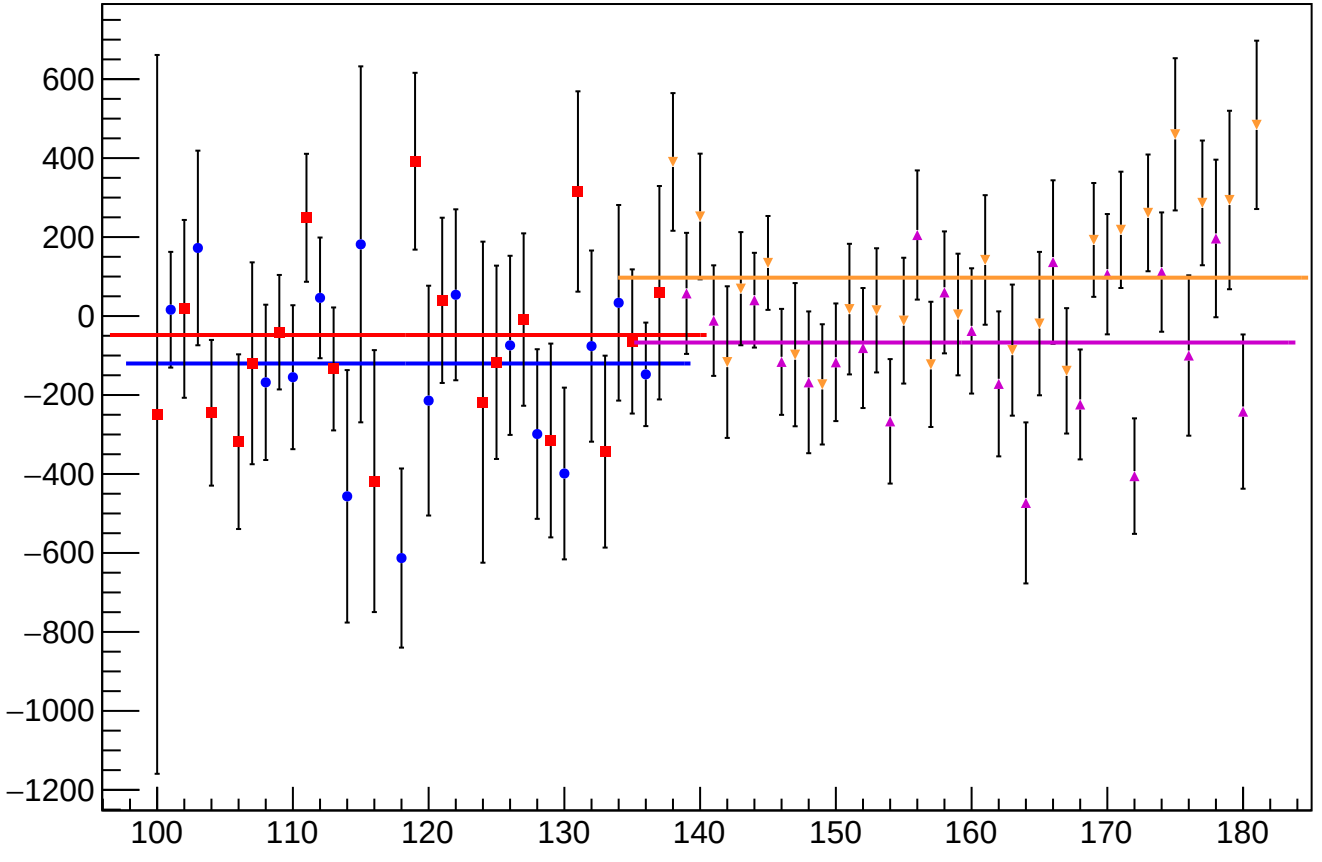
Left In: 1091.234+/-0.188 χ^2/NDF:727242.0/20

+ sign 1134.298+/-0.163 χ^2/NDF: 2280180.8/38

All: 1127.946+/-0.115 χ^2/NDF: 4502692.0/78

- sign 1121.532+/-0.164 χ^2/NDF: 2219456.3/39

cor_asym_sam_48_avg_mean vs Slug



Right In: -120.169+/-51.103 χ^2/NDF: 13.4/15

Left Out: 97.172+/-33.656 χ^2/NDF:28.0/22

Right Out: -48.013+/-49.919 χ^2/NDF: 17.0/18

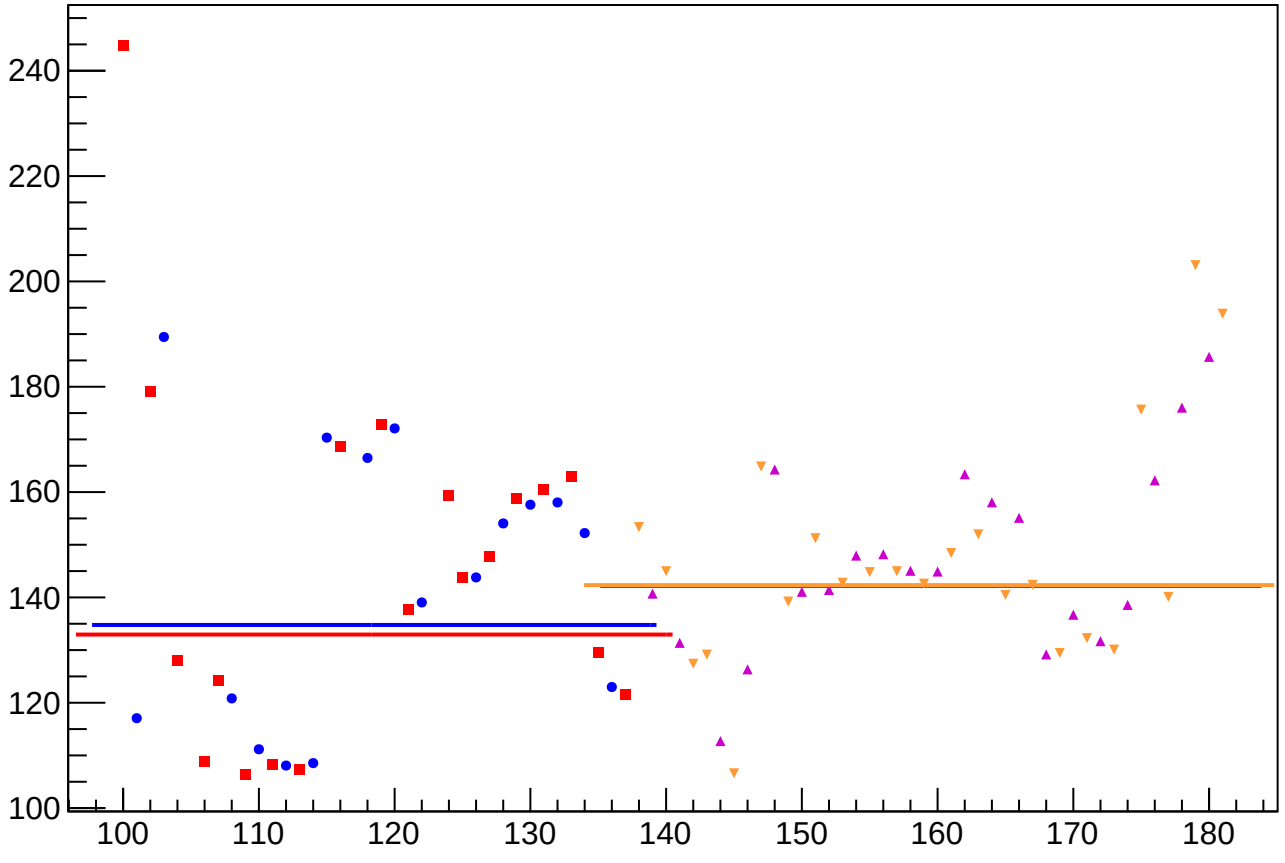
Left In: -67.083+/-34.605 χ^2/NDF:24.4/20

+ sign 31.421+/-28.108 χ^2/NDF: 54.0/38

All: -14.194+/-19.992 χ^2/NDF: 100.8/78

- sign -60.893+/-28.440 χ^2/NDF: 41.5/39

cor_asym_sam_48_avg_rms vs Slug



Right In: 134.771+/-0.036 χ^2/NDF: 416781.8/15

Left Out: 142.336+/-0.024 χ^2/NDF:627124.2/22

Right Out: 132.947+/-0.035 χ^2/NDF: 498850.6/18

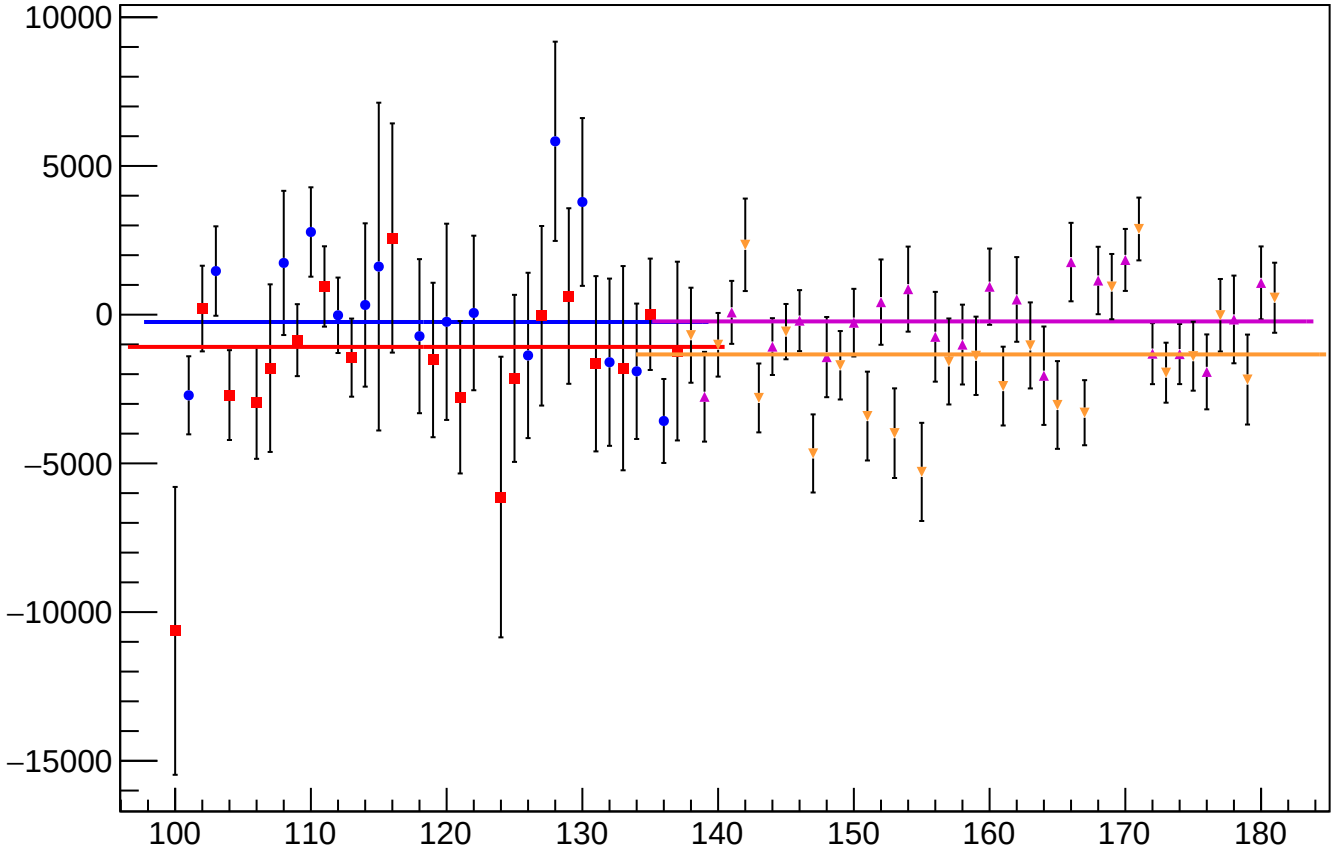
Left In: 142.164+/-0.024 χ^2/NDF:451966.2/20

\+ sign 140.047+/-0.020 χ^2/NDF: 1074469.5/38

All: 139.615+/-0.014 χ^2/NDF: 2072298.0/78

\- sign 139.172+/-0.020 χ^2/NDF: 996871.6/39

asym_sam_48_avg_cor_correction_mean vs Slug



Right In: -246.428+/-501.418 χ^2/NDF: 21.6/15

Left Out: -1336.324+/-259.431 χ^2/NDF:55.4/22

Right Out: -1084.094+/-469.323 χ^2/NDF: 12.8/18

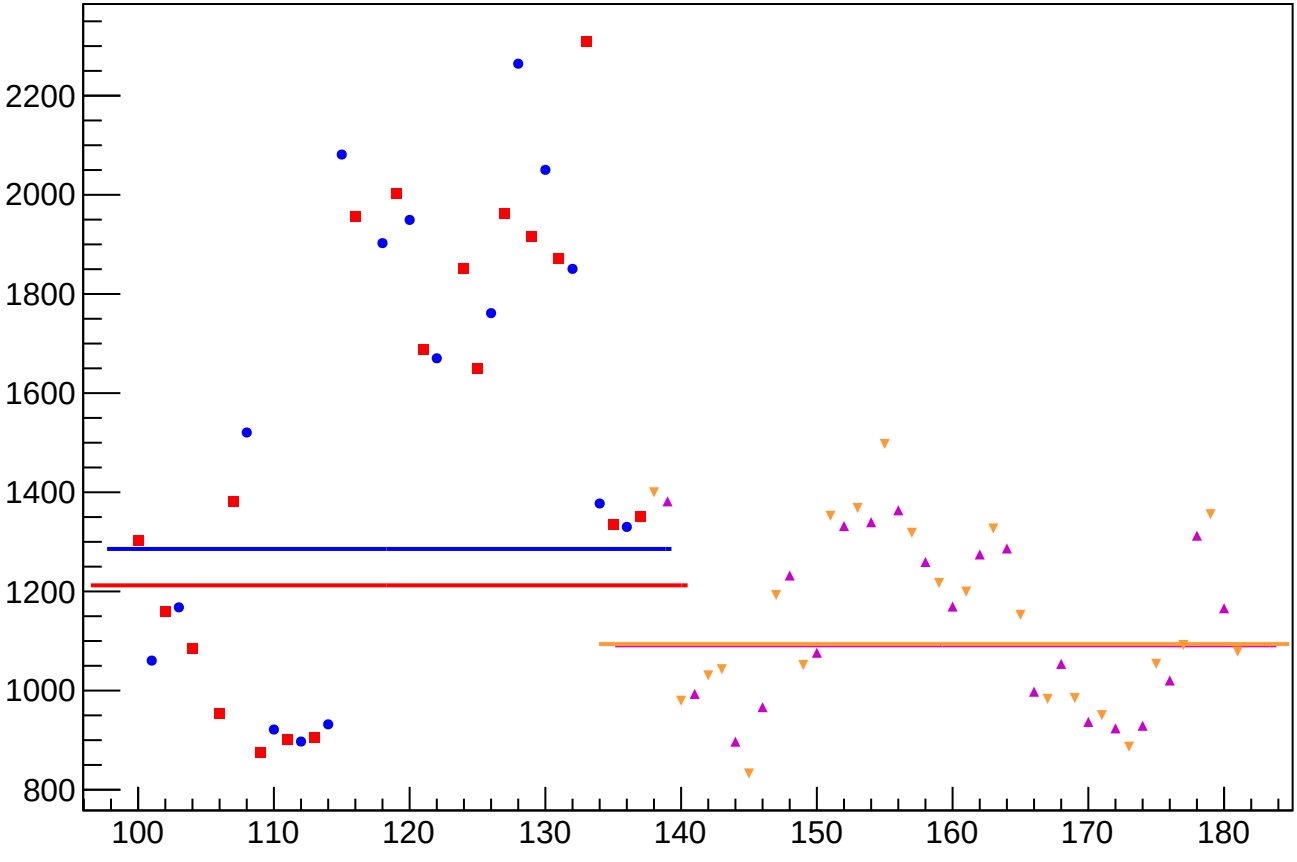
Left In: -226.832+/-266.343 χ^2/NDF:21.0/20

+ sign -1106.173+/-230.417 χ^2/NDF: 80.8/38

All: -772.697+/-163.360 χ^2/NDF: 121.2/78

- sign -435.666+/-231.641 χ^2/NDF: 36.3/39

asym_sam_48_avg_cor_correction_rms vs Slug



Right In: 1285.682+/-0.355 χ^2/NDF: 1170412.5/15

Left Out: 1093.775+/-0.183 χ^2/NDF:878677.6/22

Right Out: 1212.276+/-0.332 χ^2/NDF: 1400635.5/18

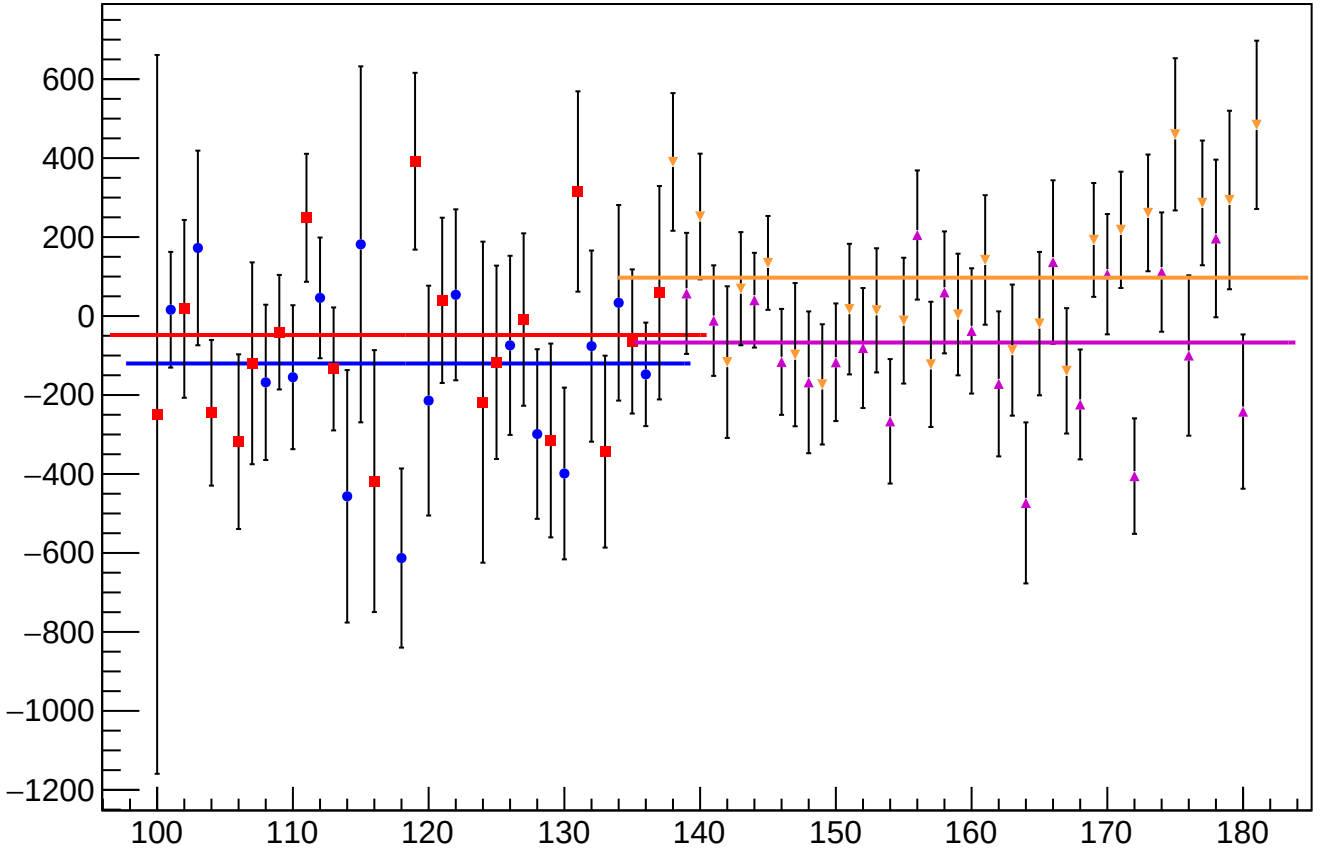
Left In: 1091.234+/-0.188 χ^2/NDF:727242.5/20

+ sign 1134.300+/-0.163 χ^2/NDF: 2280186.2/38

All: 1127.546+/-0.116 χ^2/NDF: 4512143.4/78

- sign 1120.720+/-0.164 χ^2/NDF: 2228502.4/39

eigen_cor_asym_sam_48_avg_mean vs Slug



Right In: -120.169+/-51.103 χ^2/NDF: 13.4/15

Left Out: 97.172+/-33.656 χ^2/NDF:28.0/22

Right Out: -48.013+/-49.919 χ^2/NDF: 17.0/18

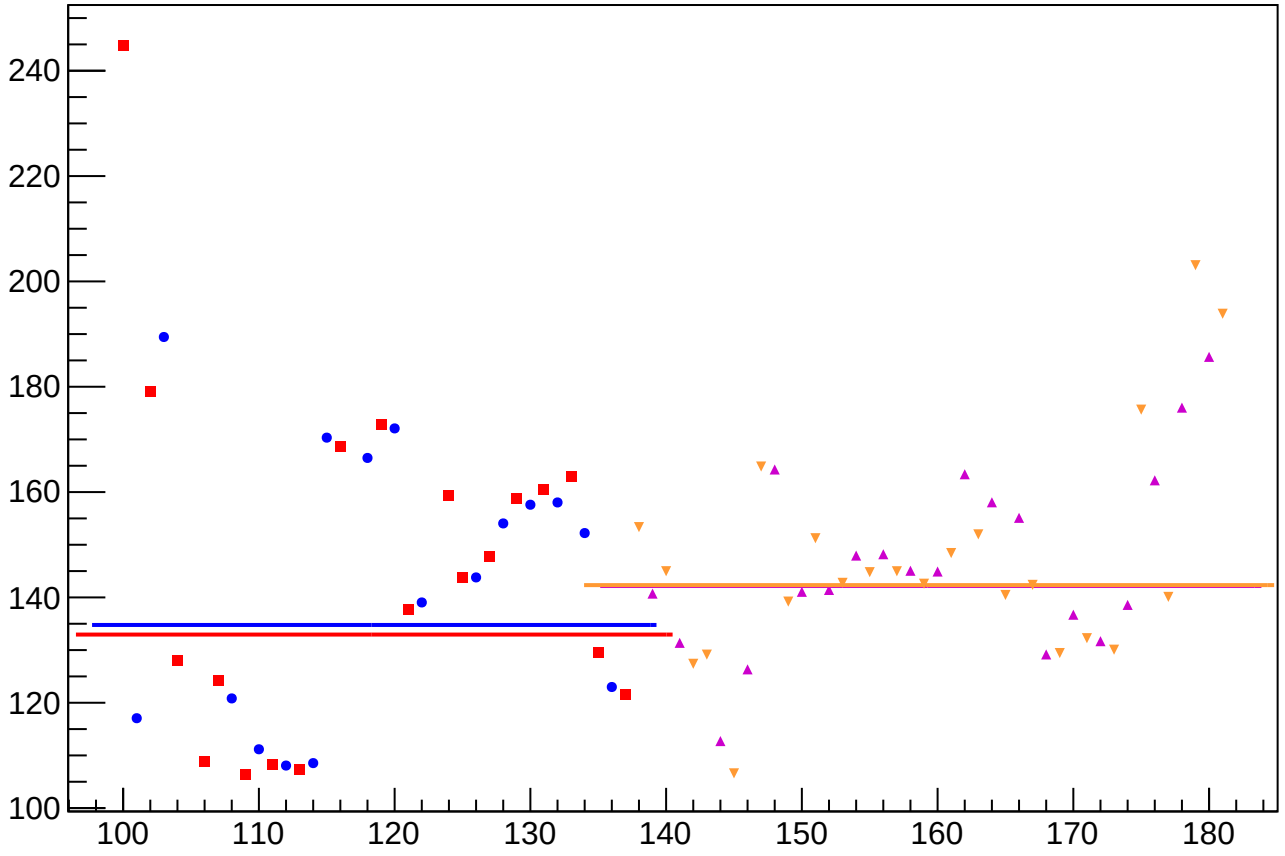
Left In: -67.083+/-34.605 χ^2/NDF:24.4/20

+ sign 31.421+/-28.108 χ^2/NDF: 54.0/38

All: -14.194+/-19.992 χ^2/NDF: 100.8/78

- sign -60.893+/-28.440 χ^2/NDF: 41.5/39

eigen_cor_asym_sam_48_avg_rms vs Slug



Right In: 134.771+/-0.036 χ^2/NDF: 416781.8/15

Left Out: 142.336+/-0.024 χ^2/NDF:627124.2/22

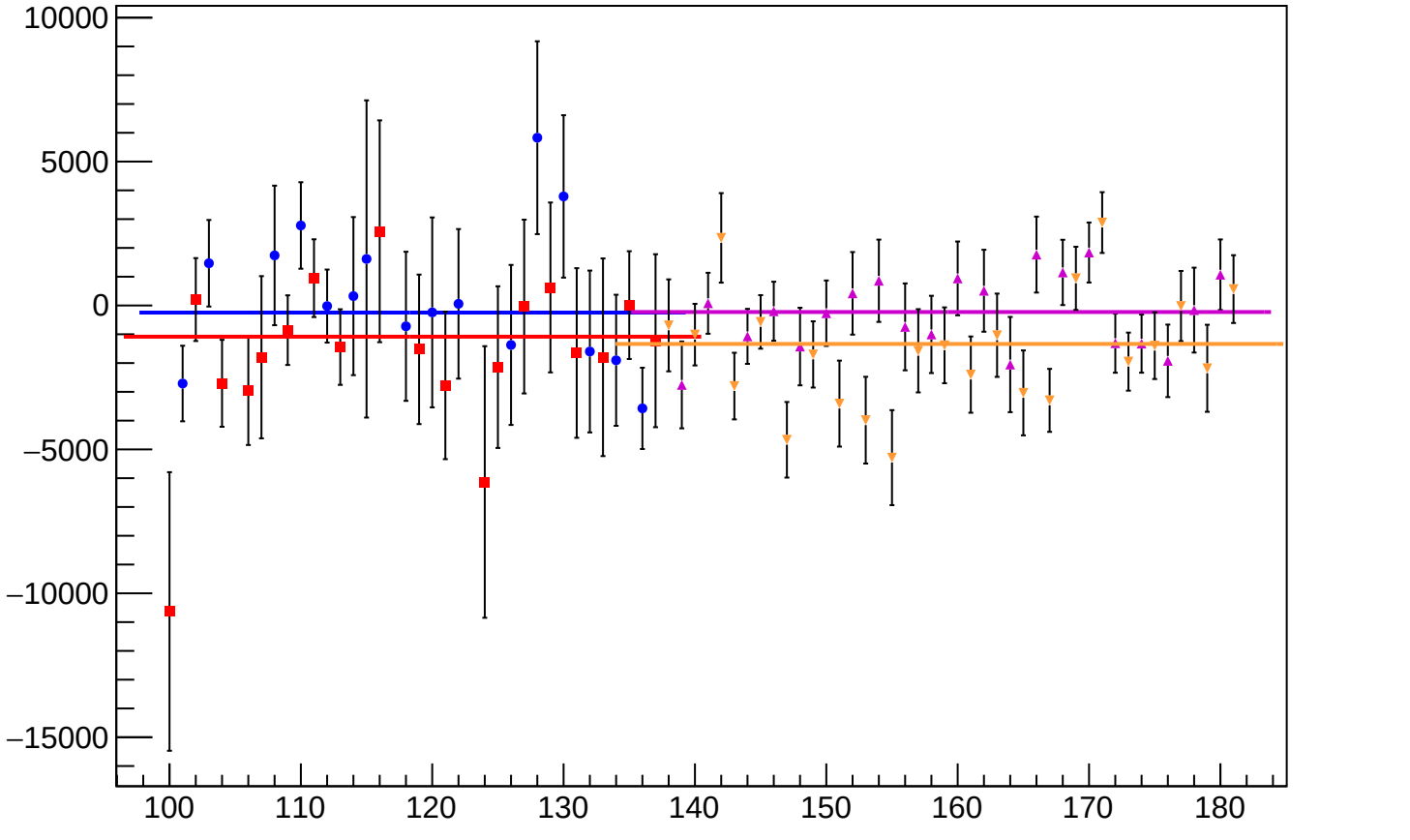
Right Out: 132.947+/-0.035 χ^2/NDF: 498850.6/18

Left In: 142.164+/-0.024 χ^2/NDF:451966.2/20

+ sign 140.047+/-0.020 χ^2/NDF: 1074469.5/38

All: 139.615+/-0.014 χ^2/NDF: 2072298.0/78

- sign 139.172+/-0.020 χ^2/NDF: 996871.6/39



Right In: -246.428+/-501.418 χ^2/NDF: 21.6/15

Left Out: -1336.324+/-259.431 χ^2/NDF:55.4/22

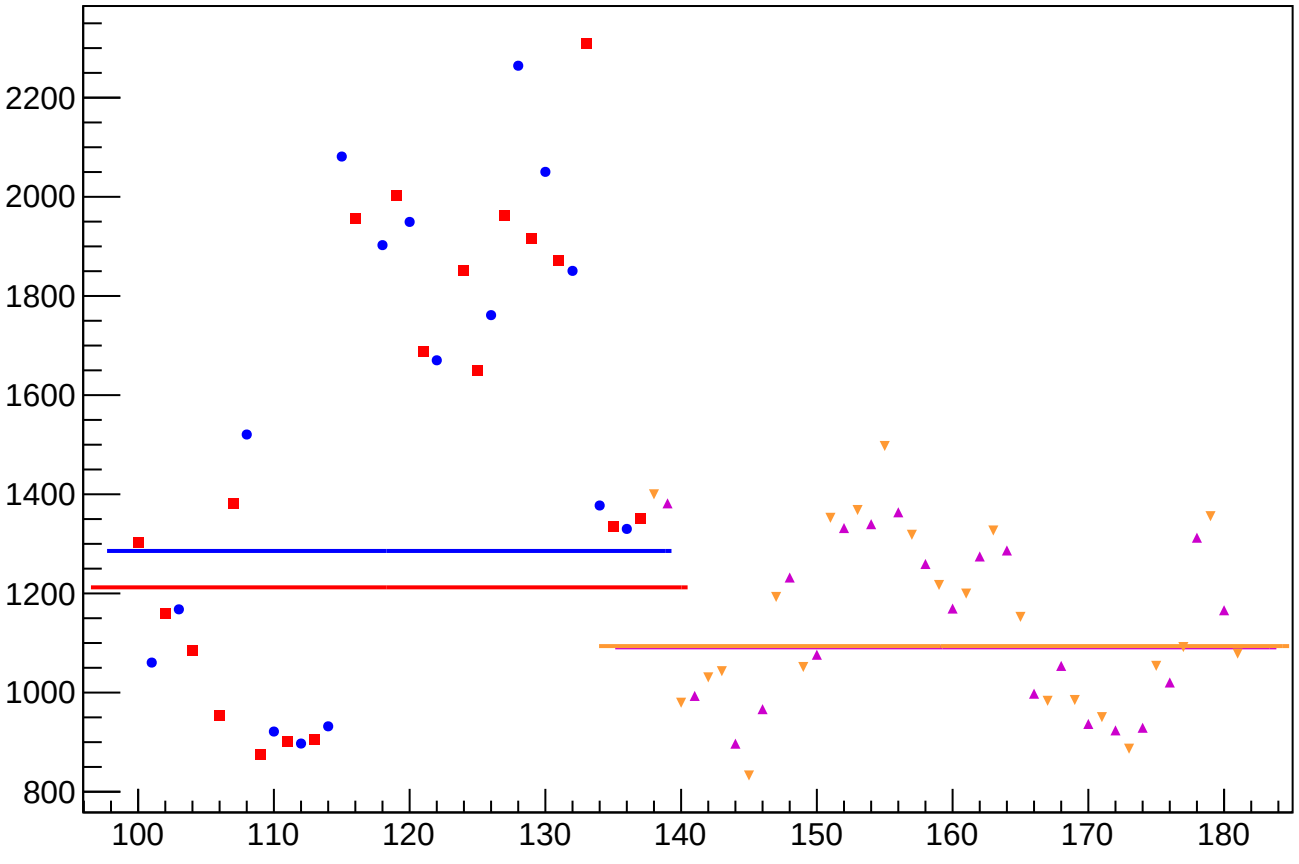
Right Out: -1084.094+/-469.323 χ^2/NDF: 12.8/18

Left In: -226.832+/-266.343 χ^2/NDF:21.0/20

+ sign -1106.173+/-230.417 χ^2/NDF: 80.8/38

All: -772.697+/-163.360 χ^2/NDF: 121.2/78

- sign -435.666+/-231.641 χ^2/NDF: 36.3/39



Right In: 1285.682+/-0.355 χ^2/NDF: 1170412.5/15

Left Out: 1093.775+/-0.183 χ^2/NDF:878677.6/22

Right Out: 1212.276+/-0.332 χ^2/NDF: 1400635.5/18

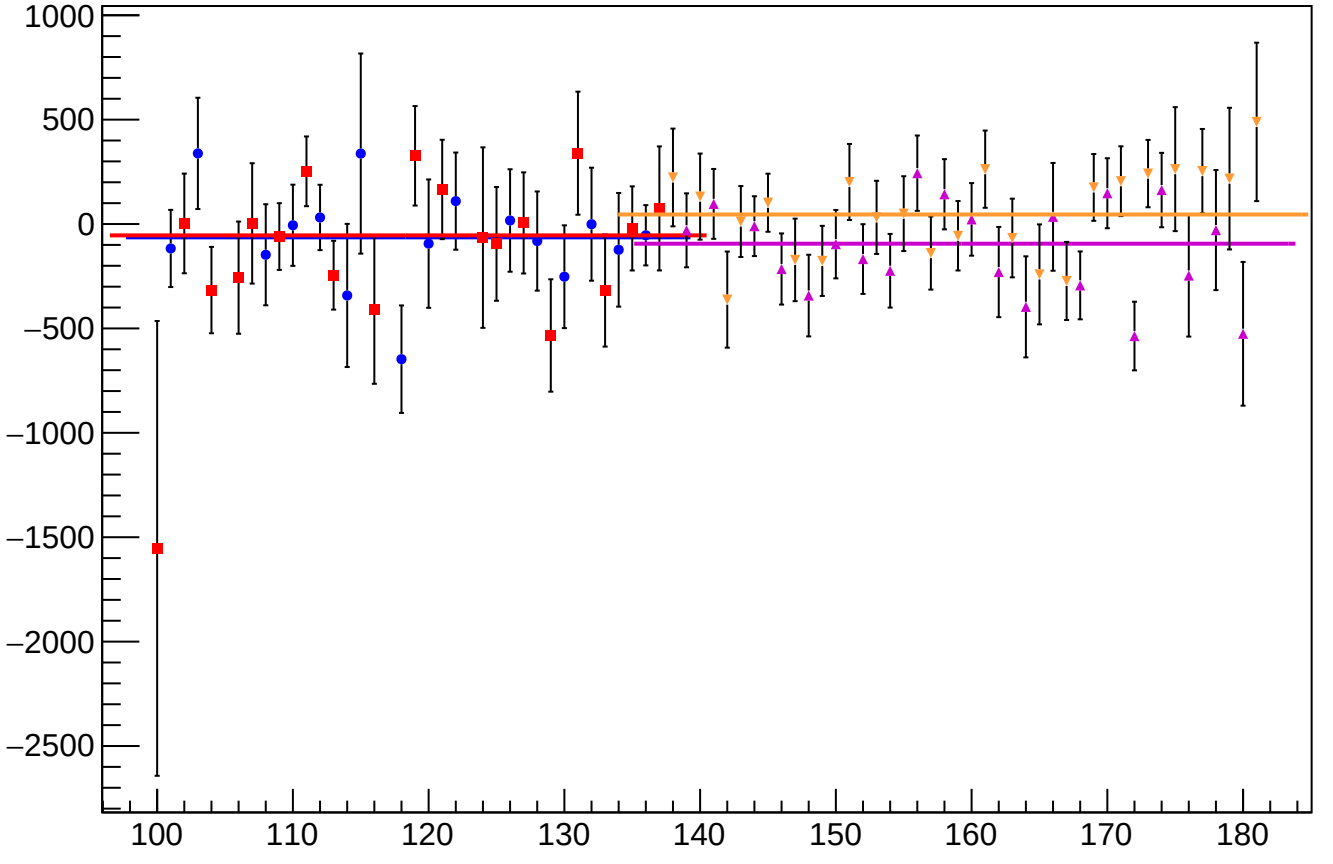
Left In: 1091.234+/-0.188 χ^2/NDF:727242.5/20

+ sign 1134.300+/-0.163 χ^2/NDF: 2280186.2/38

All: 1127.546+/-0.116 χ^2/NDF: 4512143.4/78

- sign 1120.720+/-0.164 χ^2/NDF: 2228502.4/39

dit_asym_sam_48_avg_mean vs Slug



Right In: -63.781+/-56.734 χ^2/NDF: 10.8/15

Left Out: 45.699+/-39.558 χ^2/NDF:21.6/22

Right Out: -54.305+/-54.743 χ^2/NDF: 19.5/18

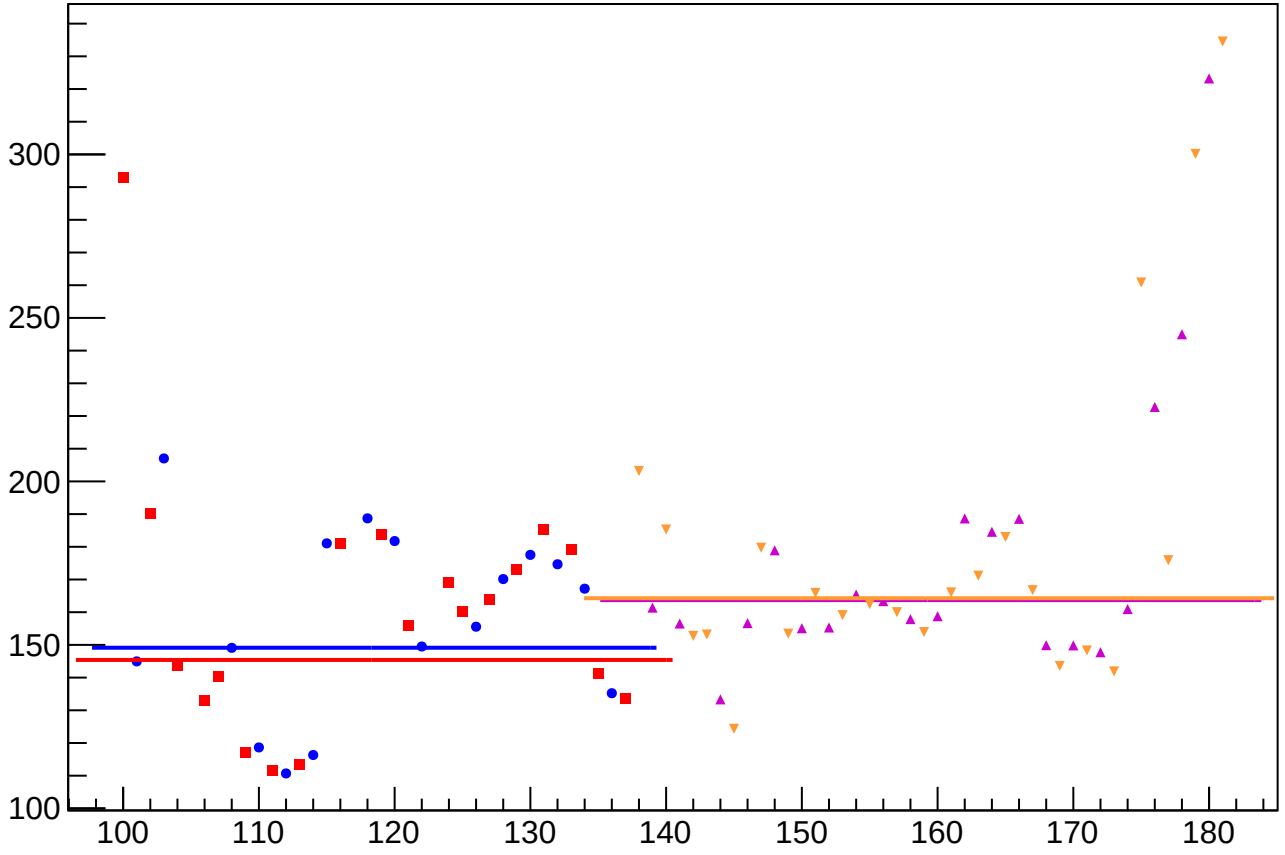
Left In: -94.200+/-40.518 χ^2/NDF:27.6/20

+ sign 9.885+/-32.449 χ^2/NDF: 34.9/38

All: -34.932+/-22.987 χ^2/NDF: 86.2/78

- sign -80.080+/-32.568 χ^2/NDF: 47.4/39

dit_asym_sam_48_avg_rms vs Slug



Right In: 149.130+/-0.040 χ^2/NDF: 451003.6/15

Left Out: 164.277+/-0.028 χ^2/NDF:1333561.1/22

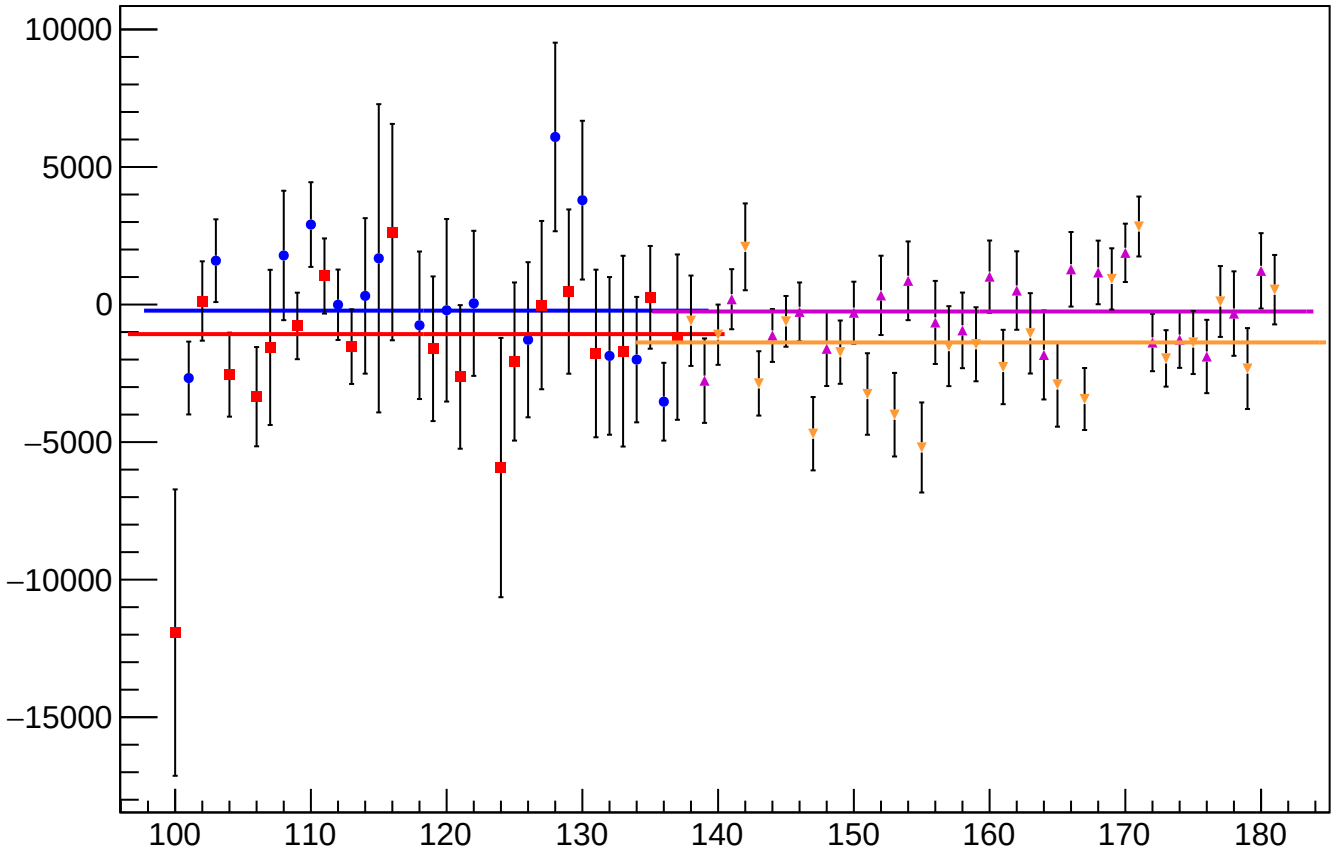
Right Out: 145.399+/-0.039 χ^2/NDF: 525820.0/18

Left In: 163.697+/-0.029 χ^2/NDF:902848.1/20

+ sign 159.322+/-0.023 χ^2/NDF: 1880482.2/38

All: 158.275+/-0.016 χ^2/NDF: 3457694.0/78

- sign 157.221+/-0.023 χ^2/NDF: 1573035.1/39



Right In: -221.240+/-506.202 χ^2/NDF: 21.9/15

Left Out: -1376.778+/-263.533 χ^2/NDF:52.2/22

Right Out: -1074.433+/-472.816 χ^2/NDF: 13.6/18

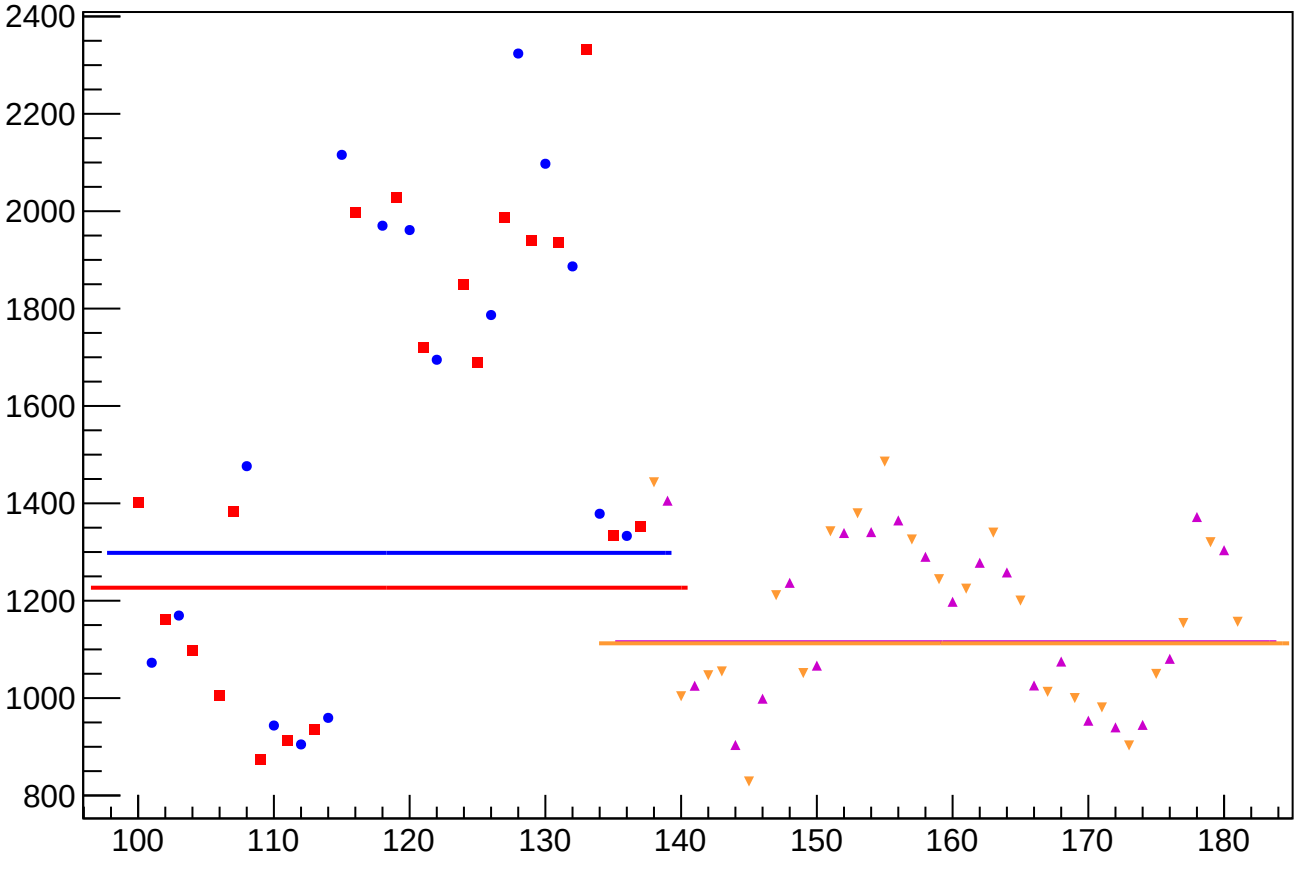
Left In: -252.503+/-272.040 χ^2/NDF:19.6/20

+ sign -1130.372+/-233.753 χ^2/NDF: 78.2/38

All: -796.578+/-166.006 χ^2/NDF: 117.8/78

- sign -456.923+/-235.796 χ^2/NDF: 35.5/39

asym_sam_48_avg_dit_correction_rms vs Slug



Right In: 1298.293+/-0.358 χ^2/NDF: 1182123.0/15

Left Out: 1112.501+/-0.186 χ^2/NDF:859075.2/22

Right Out: 1226.729+/-0.334 χ^2/NDF: 1404521.7/18

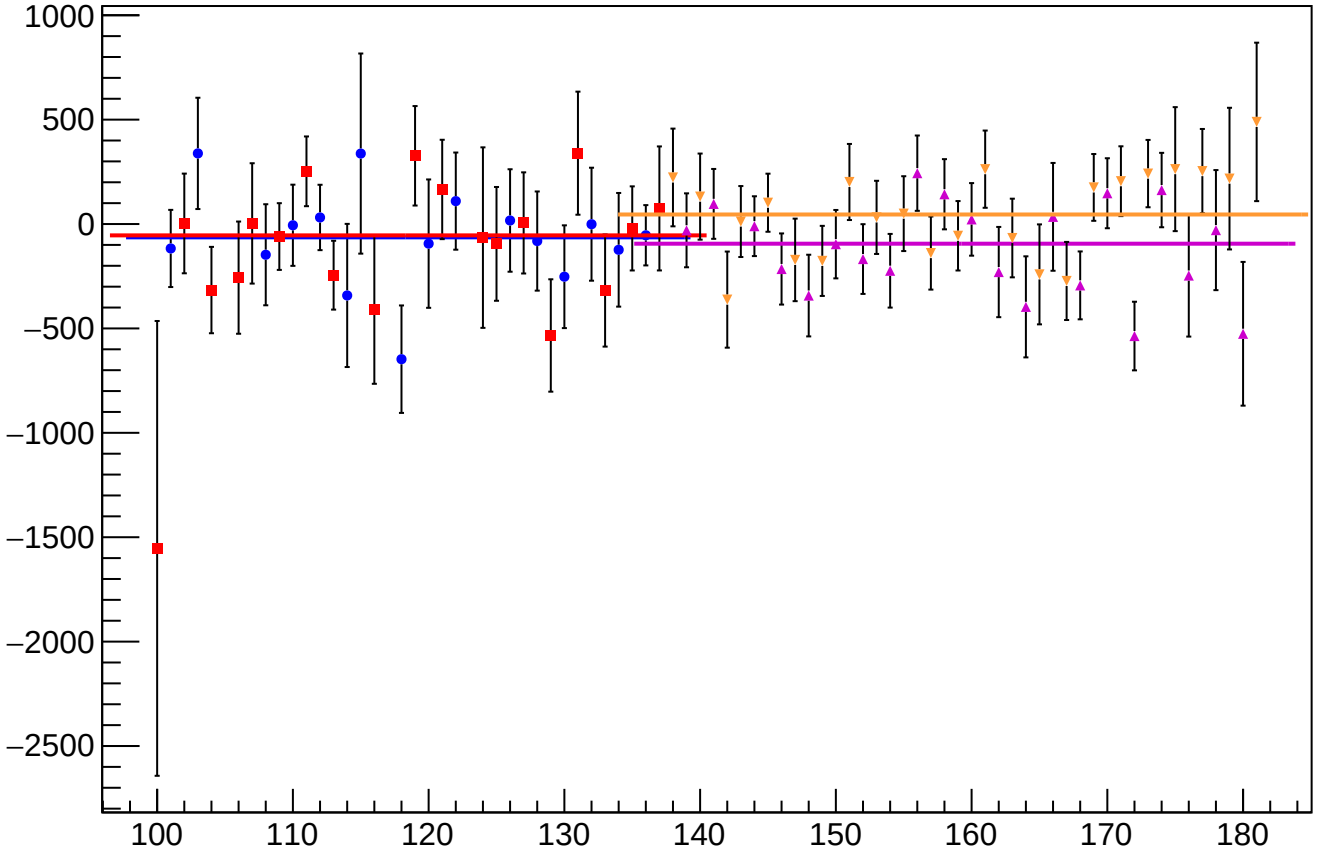
Left In: 1114.729+/-0.192 χ^2/NDF:724056.4/20

+ sign 1152.120+/-0.165 χ^2/NDF: 2253169.9/38

All: 1147.393+/-0.117 χ^2/NDF: 4467708.3/78

- sign 1142.584+/-0.167 χ^2/NDF: 2212888.9/39

eigen_dit_asym_sam_48_avg_mean vs Slug



Right In: -63.778+/-56.734 χ^2/NDF: 10.8/15

Left Out: 45.701+/-39.558 χ^2/NDF:21.6/22

Right Out: -54.304+/-54.743 χ^2/NDF: 19.5/18

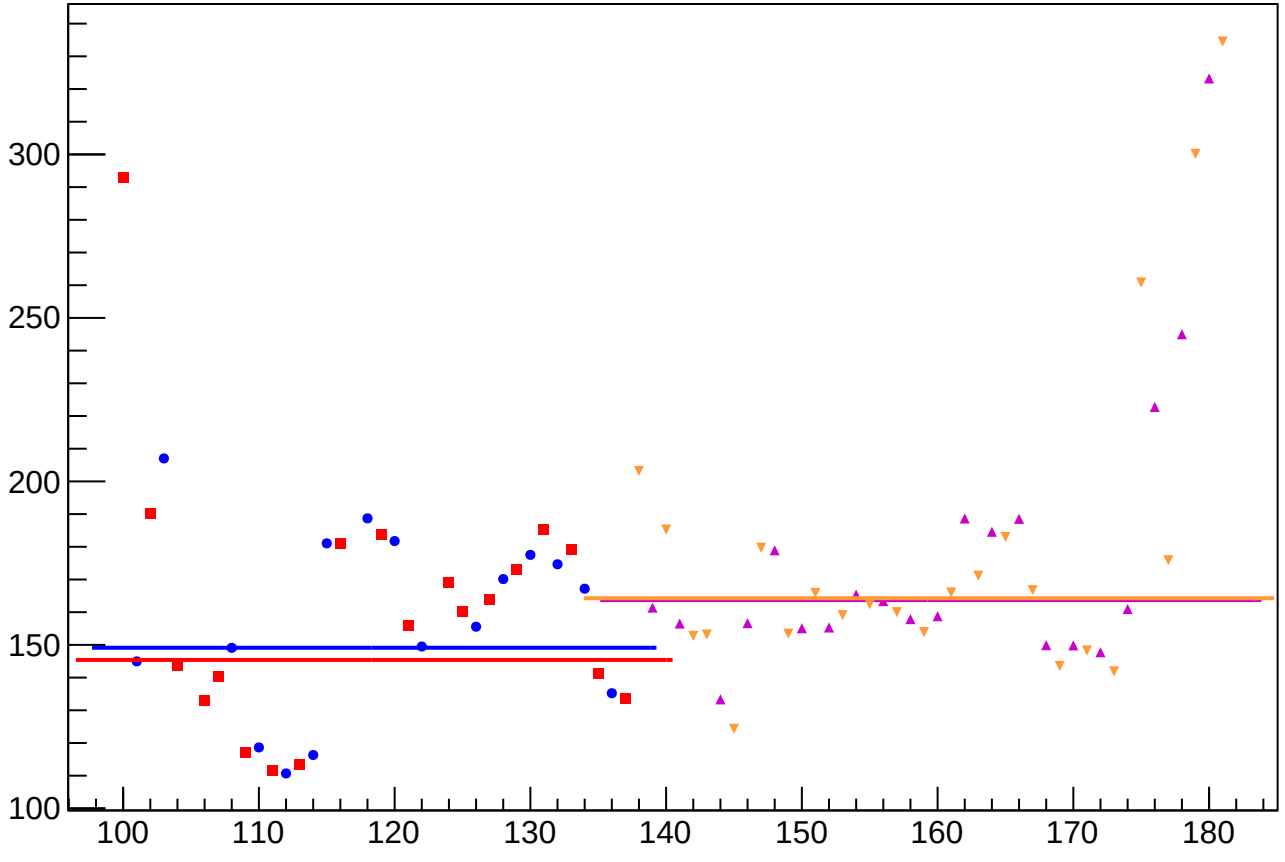
Left In: -94.200+/-40.518 χ^2/NDF:27.6/20

+ sign 9.888+/-32.449 χ^2/NDF: 34.9/38

All: -34.931+/-22.987 χ^2/NDF: 86.2/78

- sign -80.079+/-32.568 χ^2/NDF: 47.4/39

eigen_dit_asym_sam_48_avg_rms vs Slug



Right In: 149.130+/-0.040 χ^2/NDF: 451005.1/15

Left Out: 164.277+/-0.028 χ^2/NDF:1333556.9/22

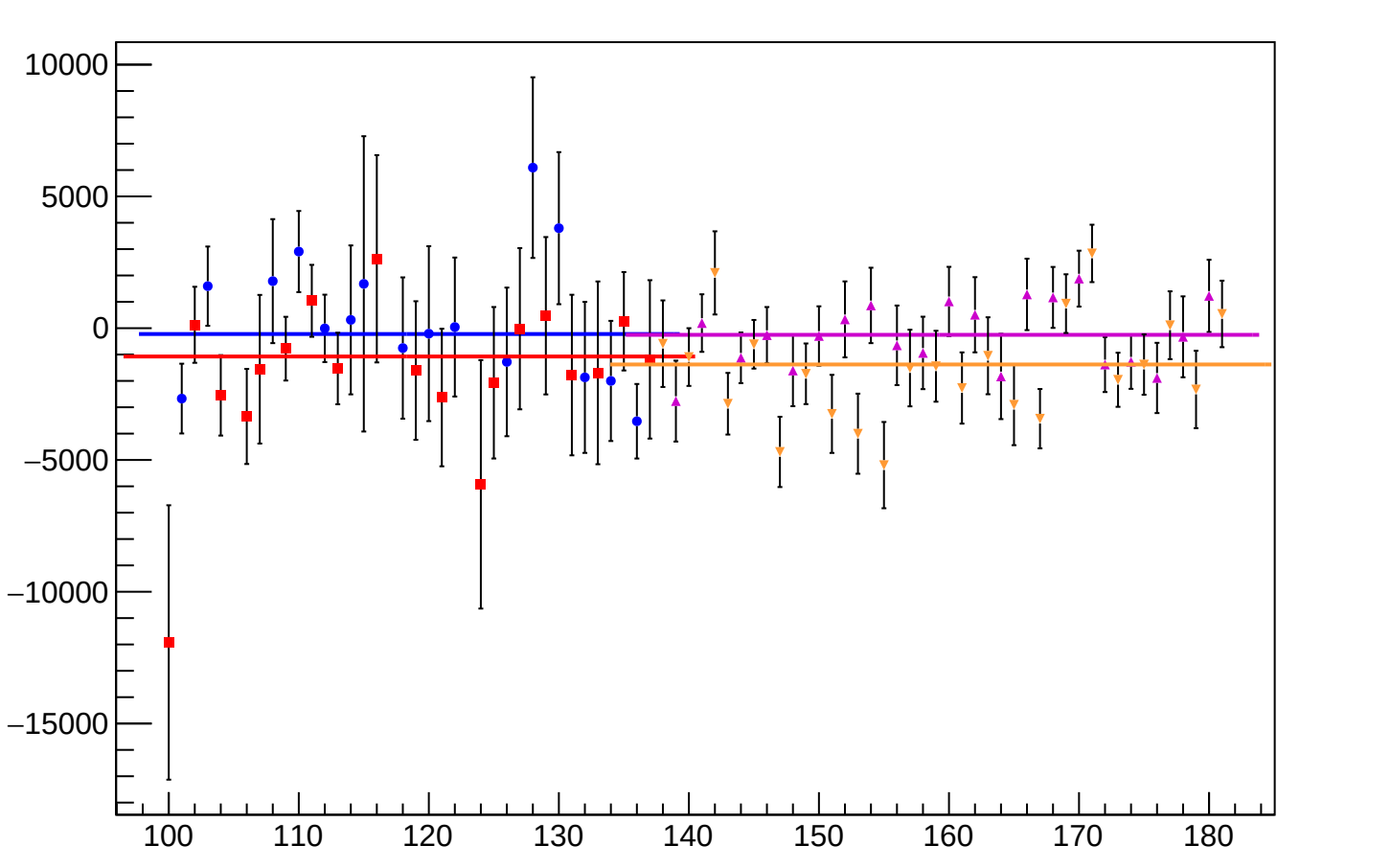
Right Out: 145.399+/-0.039 χ^2/NDF: 525822.2/18

Left In: 163.698+/-0.029 χ^2/NDF:902827.6/20

+ sign 159.322+/-0.023 χ^2/NDF: 1880482.7/38

All: 158.275+/-0.016 χ^2/NDF: 3457681.1/78

- sign 157.221+/-0.023 χ^2/NDF: 1573021.4/39



Right In: -221.239+/-506.201 χ^2/NDF: 21.9/15

Left Out: -1376.775+/-263.533 χ^2/NDF:52.2/22

Right Out: -1074.432+/-472.816 χ^2/NDF: 13.6/18

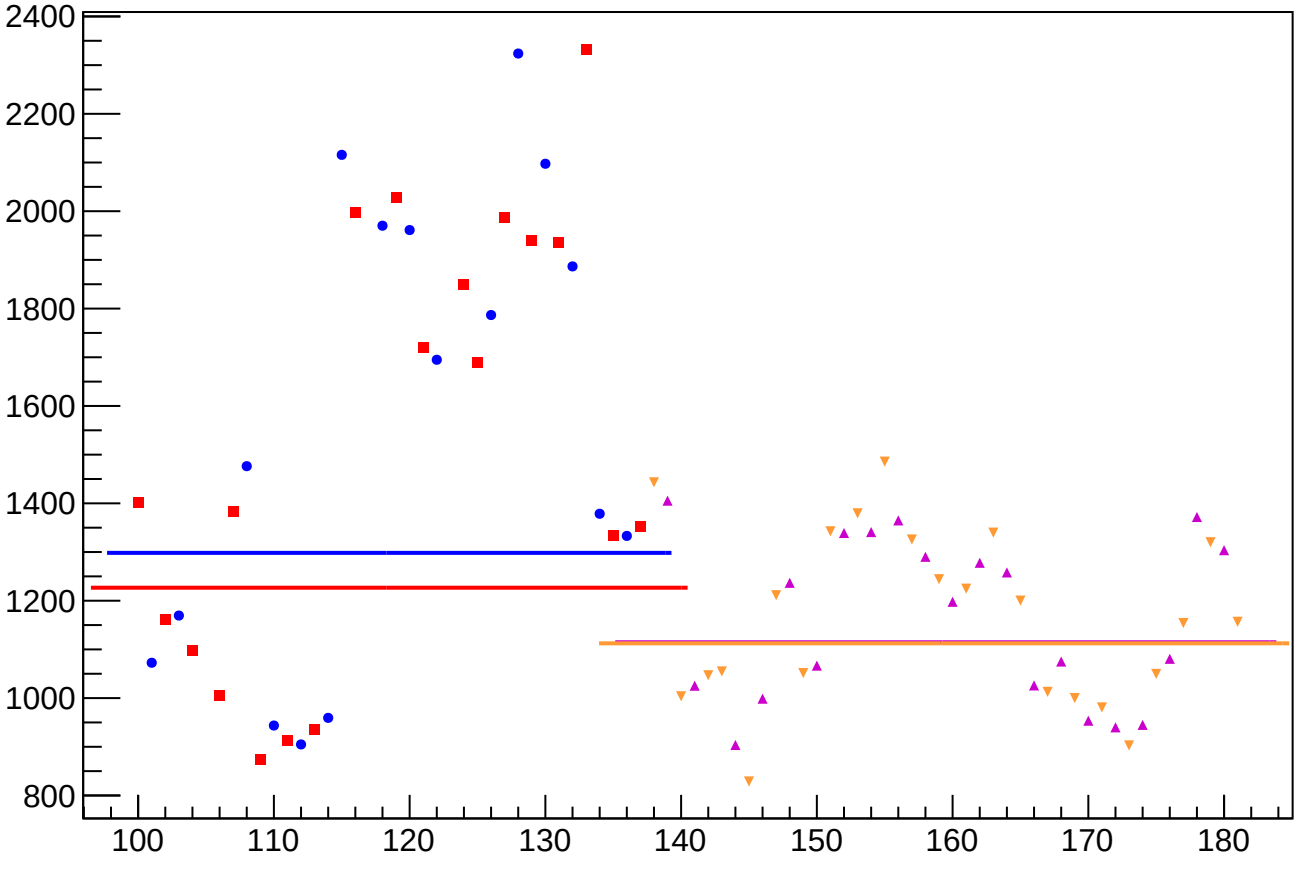
Left In: -252.502+/-272.039 χ^2/NDF:19.6/20

\+ sign -1130.370+/-233.753 χ^2/NDF: 78.2/38

All: -796.576+/-166.006 χ^2/NDF: 117.8/78

\- sign -456.921+/-235.796 χ^2/NDF: 35.5/39

asym_sam_48_avg_eigen_dit_correction_rms vs Slug



Right In: 1298.292+/-0.358 χ^2/NDF: 1182127.2/15

Left Out: 1112.499+/-0.186 χ^2/NDF:859077.0/22

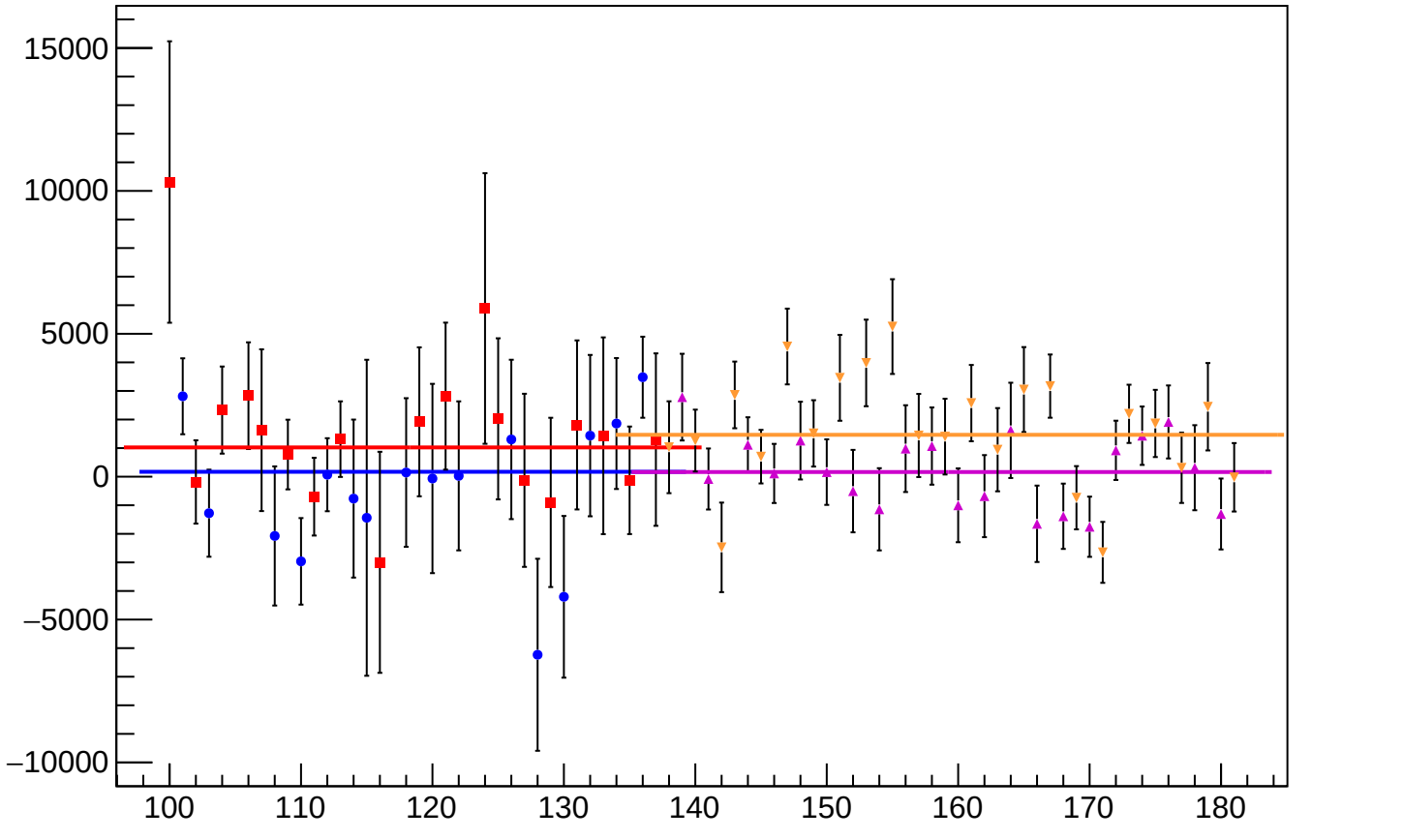
Right Out: 1226.727+/-0.334 χ^2/NDF: 1404524.7/18

Left In: 1114.727+/-0.192 χ^2/NDF:724054.7/20

+ sign 1152.118+/-0.165 χ^2/NDF: 2253177.7/38

All: 1147.392+/-0.117 χ^2/NDF: 4467718.7/78

- sign 1142.582+/-0.167 χ^2/NDF: 2212891.5/39



Right In: 171.056+/-505.136 χ^2/NDF: 22.6/15

Left Out: 1464.763+/-261.844 χ^2/NDF:50.3/22

Right Out: 1023.699+/-472.008 χ^2/NDF: 11.6/18

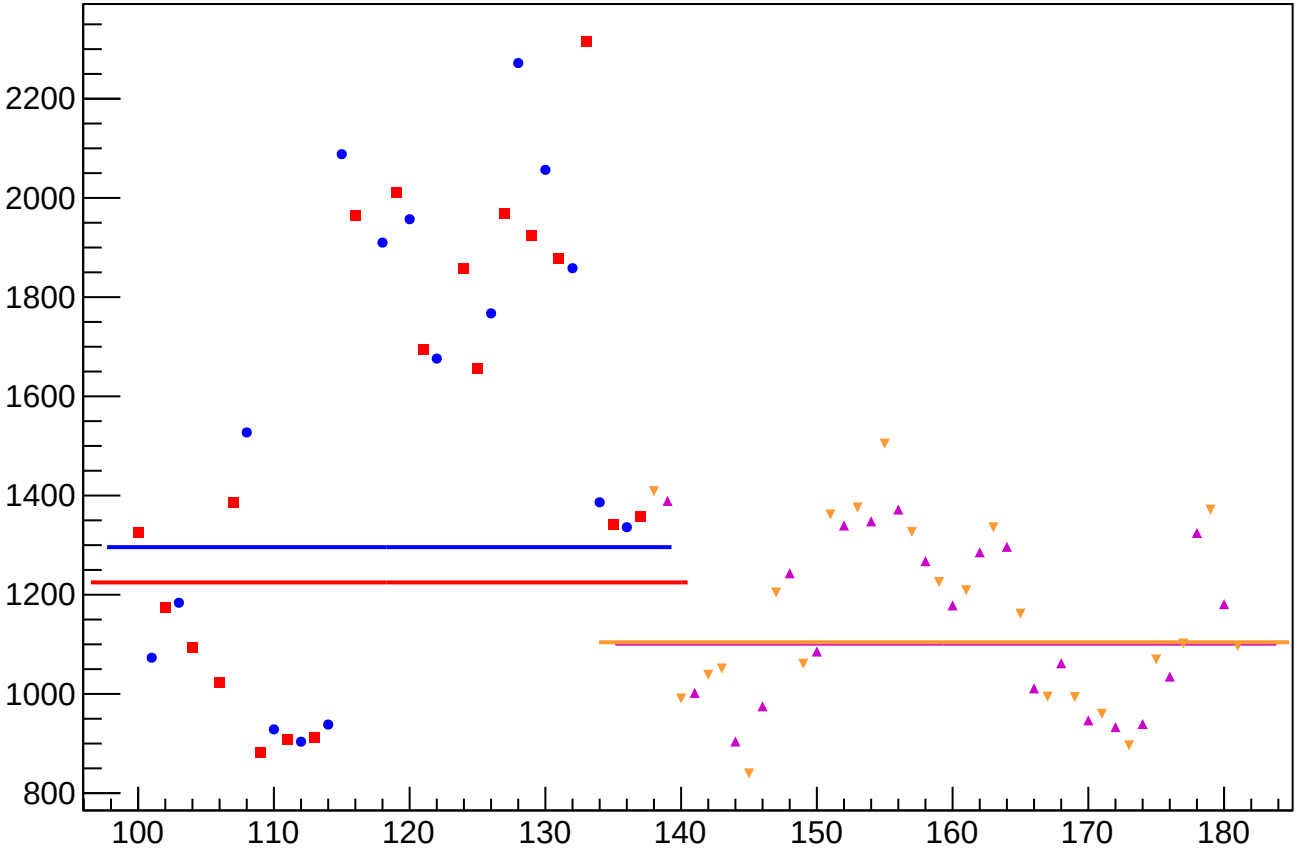
Left In: 163.050+/-268.782 χ^2/NDF:20.7/20

+ sign 1190.766+/-232.468 χ^2/NDF: 78.1/38

All: 784.207+/-164.767 χ^2/NDF: 119.0/78

- sign 373.793+/-233.568 χ^2/NDF: 34.8/39

asym_sam_48_avg_rms vs Slug



Right In: 1295.987+/-0.357 χ^2/NDF: 1154185.9/15

Left Out: 1104.199+/-0.185 χ^2/NDF:866328.8/22

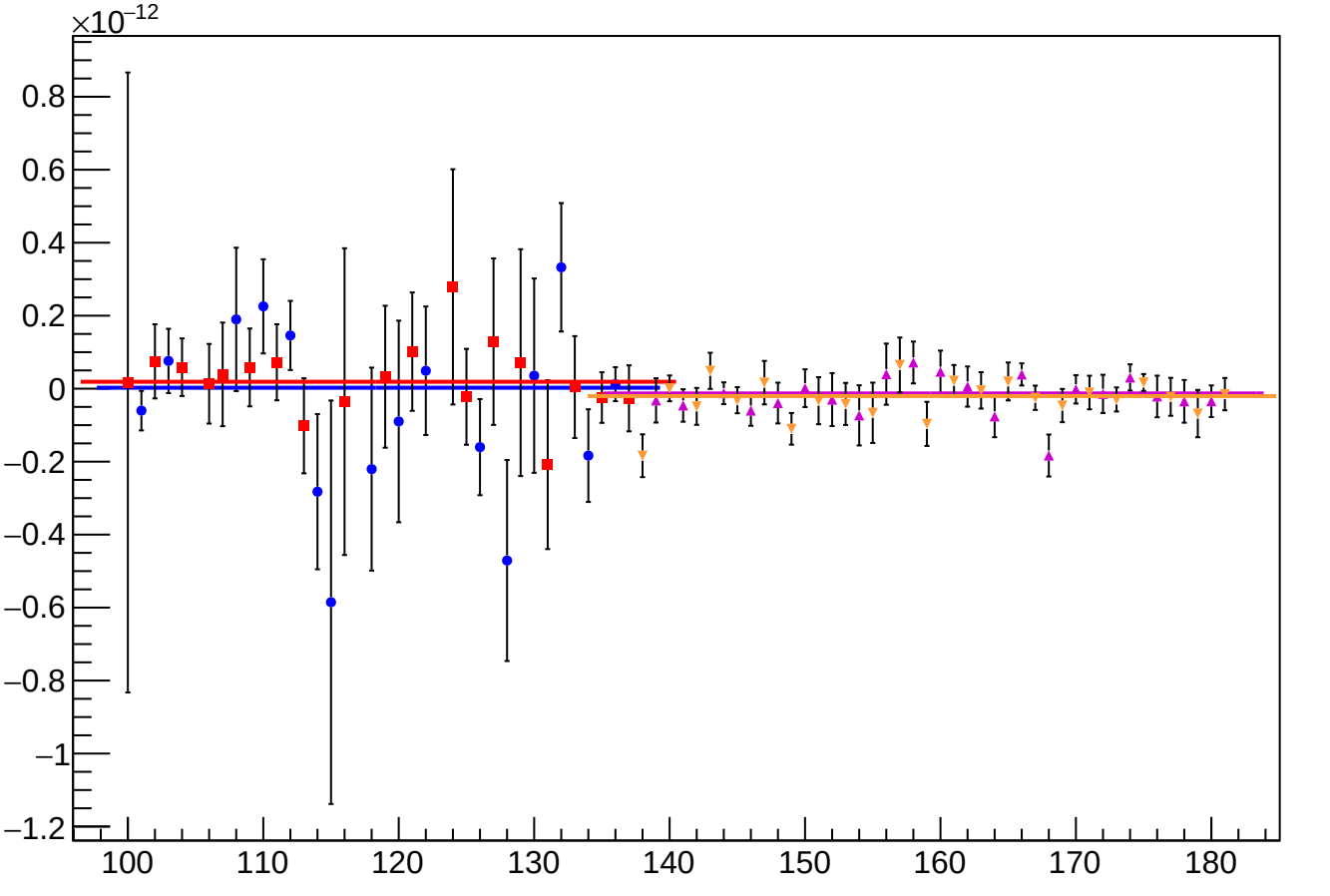
Right Out: 1224.872+/-0.334 χ^2/NDF: 1371285.2/18

Left In: 1101.444+/-0.190 χ^2/NDF:715743.2/20

+ sign 1144.818+/-0.164 χ^2/NDF: 2247760.1/38

All: 1138.274+/-0.117 χ^2/NDF: 4441246.2/78

- sign 1131.667+/-0.165 χ^2/NDF: 2190300.6/39



Right In: 0.000+/-0.000 χ^2/NDF: 22.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:23.7/22

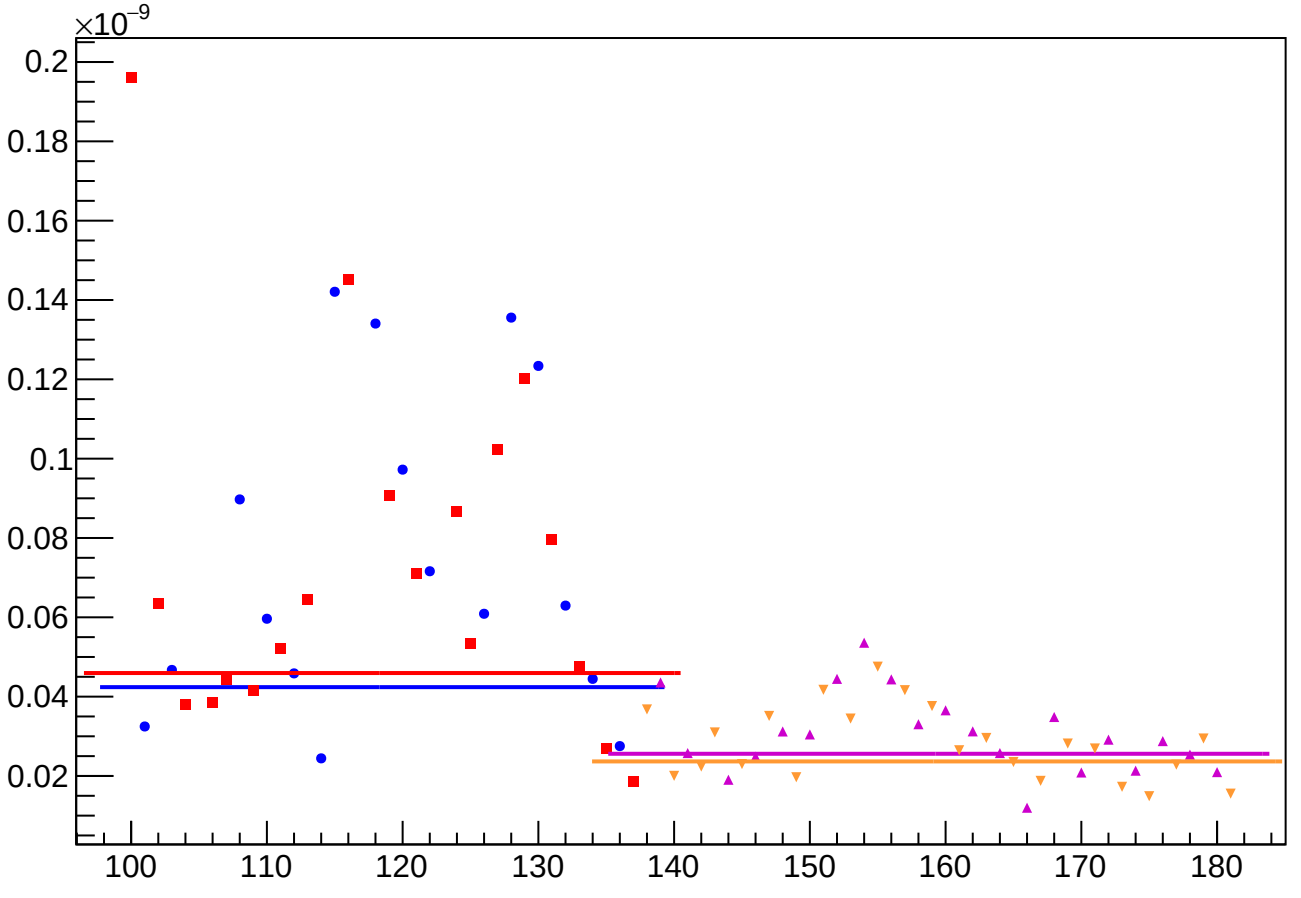
Right Out: 0.000+/-0.000 χ^2/NDF: 4.7/18

Left In: -0.000+/-0.000 χ^2/NDF:21.5/20

+ sign -0.000+/-0.000 χ^2/NDF: 46.5/38

All: -0.000+/-0.000 χ^2/NDF: 74.2/78

- sign -0.000+/-0.000 χ^2/NDF: 27.3/39



Right In: 0.000+/-0.000 χ^2/NDF: 1341259.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1425786.4/22

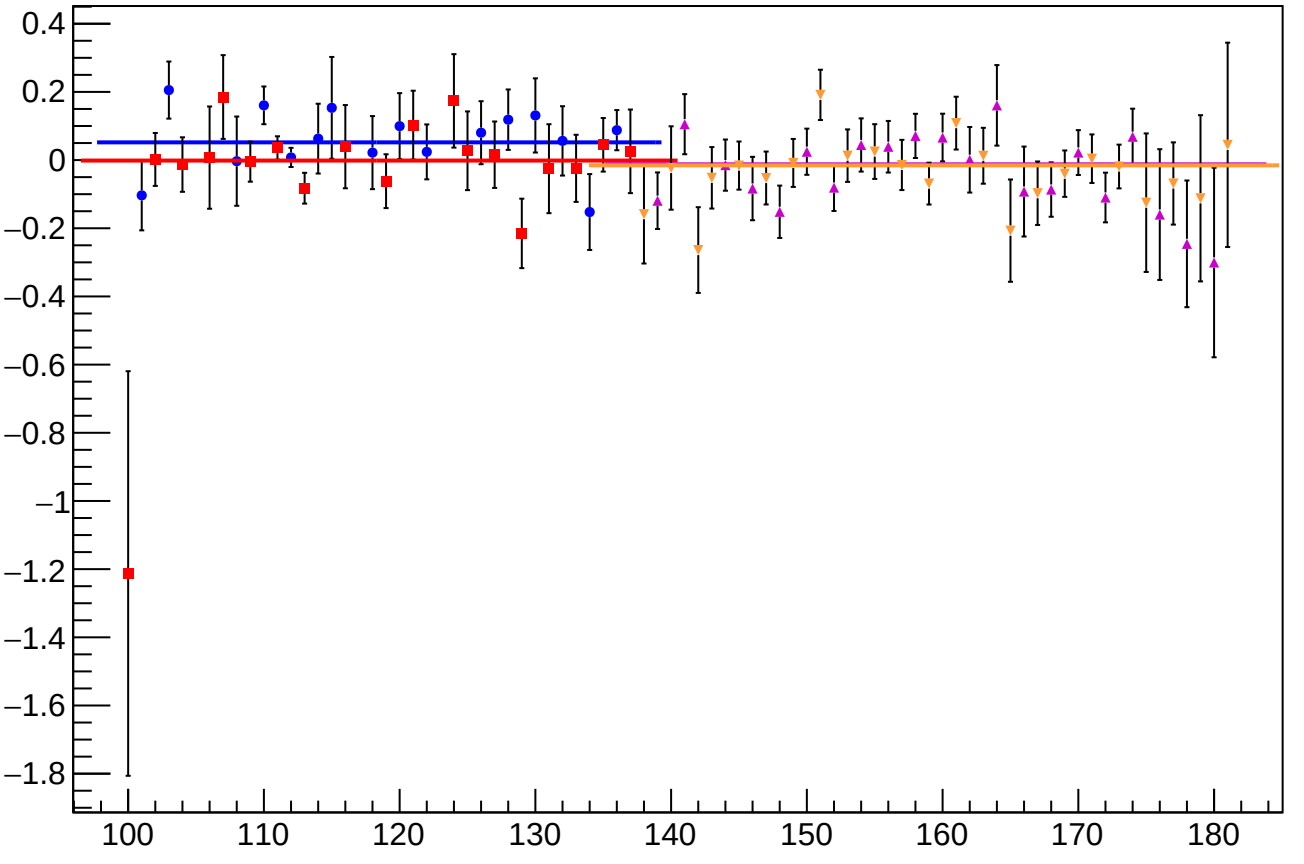
Right Out: 0.000+/-0.000 χ^2/NDF: 1118551.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1454185.4/20

+ sign 0.000+/-0.000 χ^2/NDF: 3638100.0/38

All: 0.000+/-0.000 χ^2/NDF: 7150379.3/78

- sign 0.000+/-0.000 χ^2/NDF: 3452013.8/39



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.015+/-0.018 χ^2/NDF:20.3/22

Right Out: -0.001+/-0.018 χ^2/NDF: 19.2/18

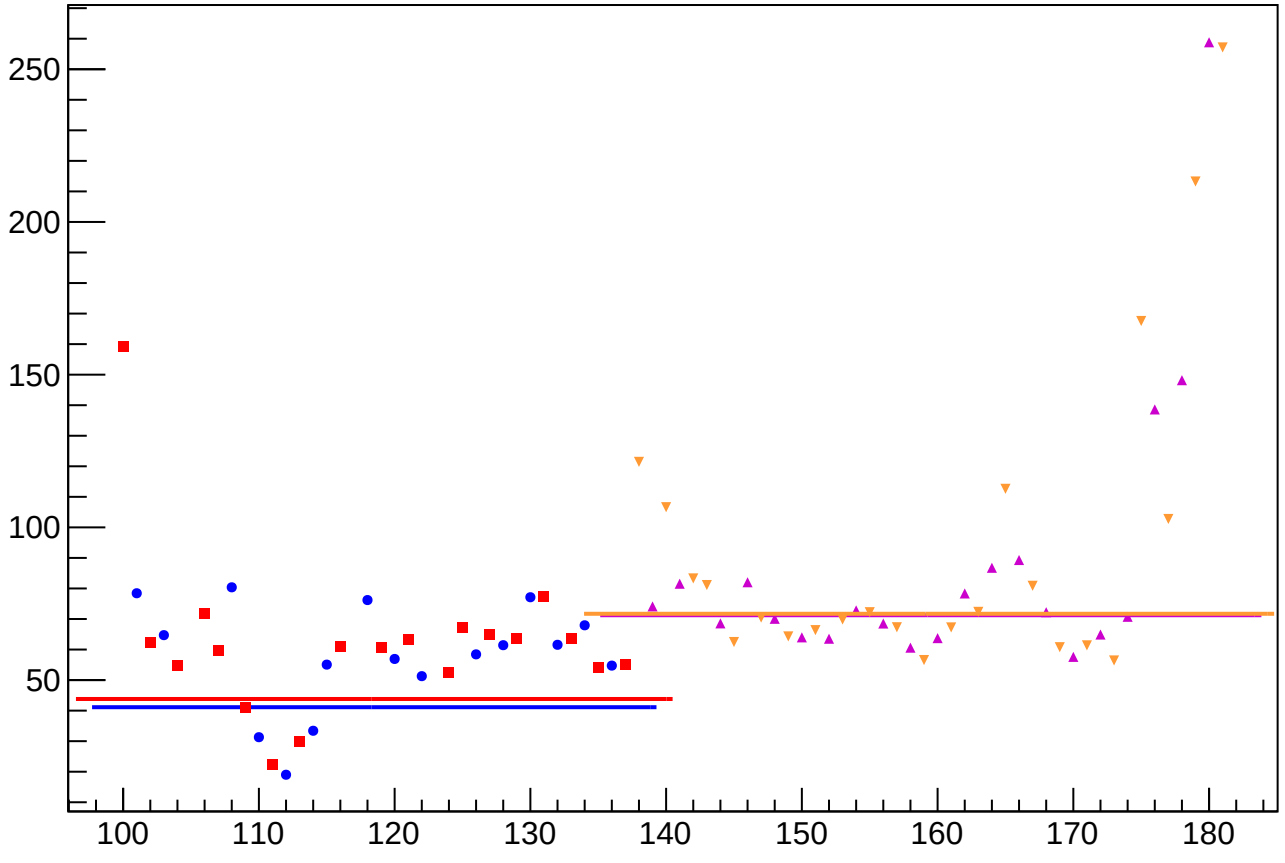
Left In: -0.012+/-0.018 χ^2/NDF:22.2/20

+ sign 0.019+/-0.013 χ^2/NDF: 45.3/38

All: 0.006+/-0.009 χ^2/NDF: 88.9/78

- sign -0.007+/-0.013 χ^2/NDF: 41.6/39

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: 71.710+/-0.013 χ^2/NDF:3034707.1/22

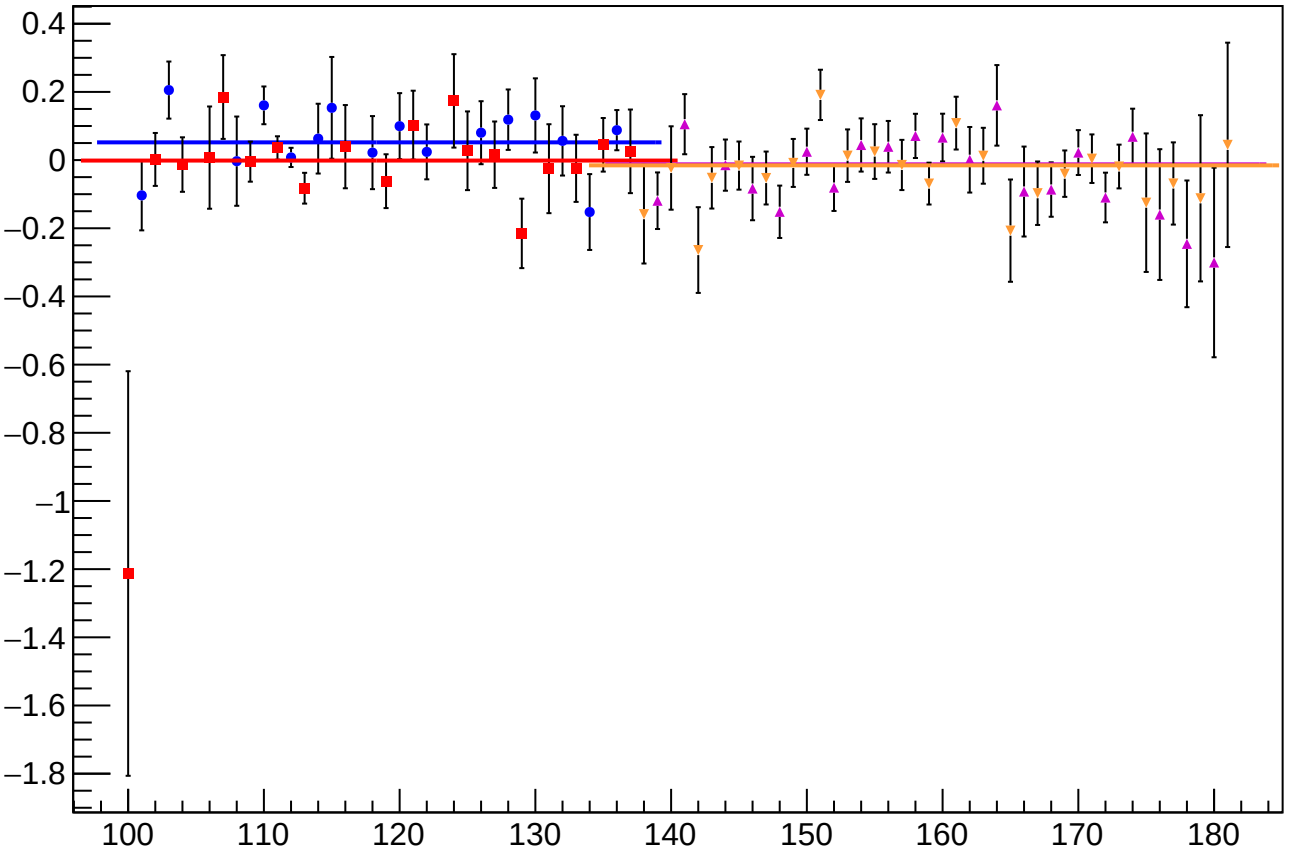
Right Out: 43.813+/-0.013 χ^2/NDF: 2048452.0/18

Left In: 71.235+/-0.013 χ^2/NDF:1872123.6/20

+ sign 56.201+/-0.009 χ^2/NDF: 8881148.6/38

All: 56.705+/-0.006 χ^2/NDF: 15096286.3/78

- sign 57.223+/-0.009 χ^2/NDF: 6208698.7/39



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.015+/-0.018 χ^2/NDF:20.3/22

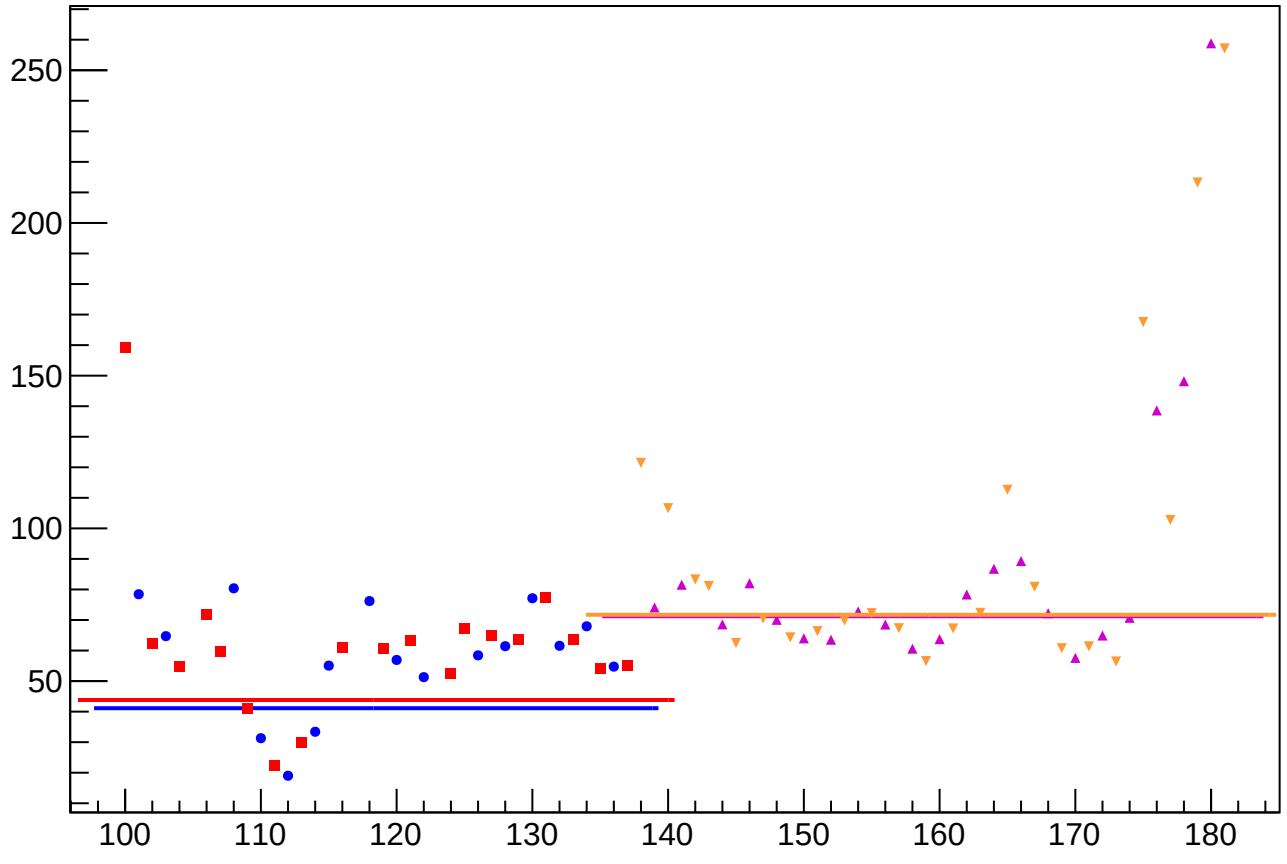
Right Out: -0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: -0.012+/-0.018 χ^2/NDF:22.2/20

+ sign 0.019+/-0.013 χ^2/NDF: 45.3/38

All: 0.006+/-0.009 χ^2/NDF: 88.9/78

- sign -0.007+/-0.013 χ^2/NDF: 41.6/39



Right In: 41.120+/-0.013 χ^2/NDF: 2925302.3/15

Left Out: 71.710+/-0.013 χ^2/NDF:3034707.1/22

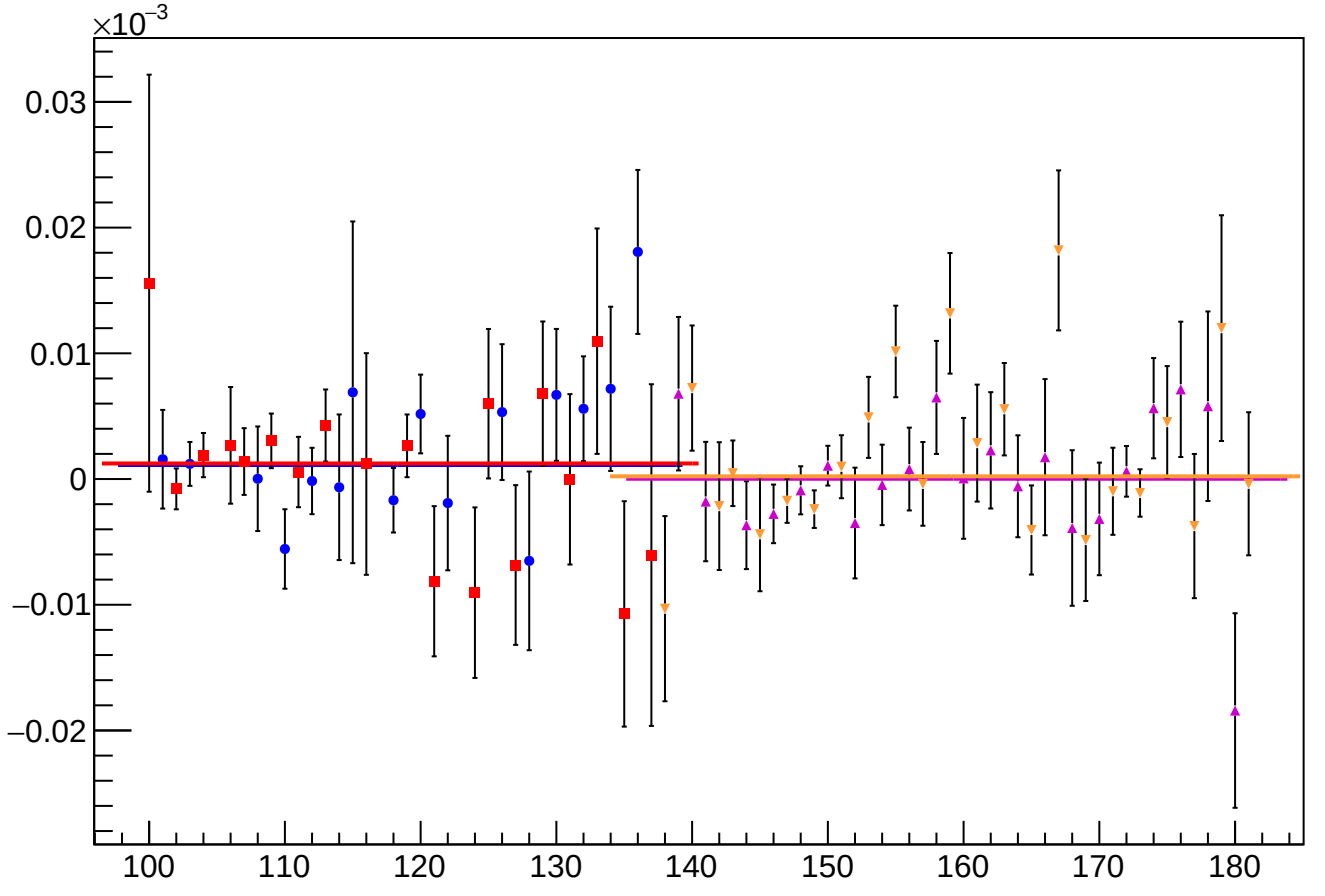
Right Out: 43.813+/-0.013 χ^2/NDF: 2048452.0/18

Left In: 71.235+/-0.013 χ^2/NDF:1872123.6/20

+ sign 56.201+/-0.009 χ^2/NDF: 8881148.6/38

All: 56.705+/-0.006 χ^2/NDF: 15096286.3/78

- sign 57.223+/-0.009 χ^2/NDF: 6208698.7/39



Right In: 0.000+/-0.000 χ^2/NDF: 19.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:43.3/22

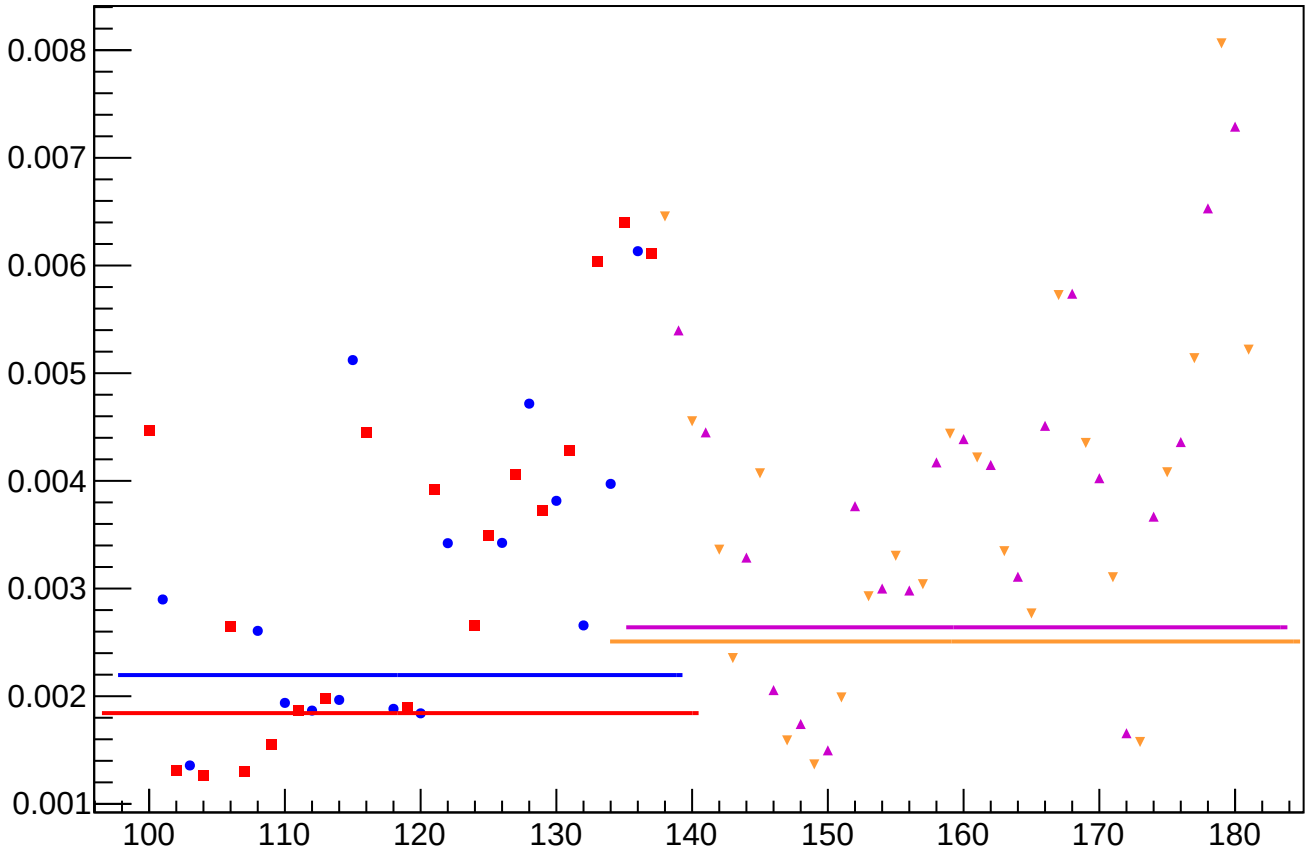
Right Out: 0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: 0.000+/-0.000 χ^2/NDF:18.7/20

+ sign 0.000+/-0.000 χ^2/NDF: 63.8/38

All: 0.000+/-0.000 χ^2/NDF: 99.8/78

- sign 0.000+/-0.000 χ^2/NDF: 36.0/39



Right In: 0.002+/-0.000 χ^2/NDF: 2292909.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:7141144.2/22

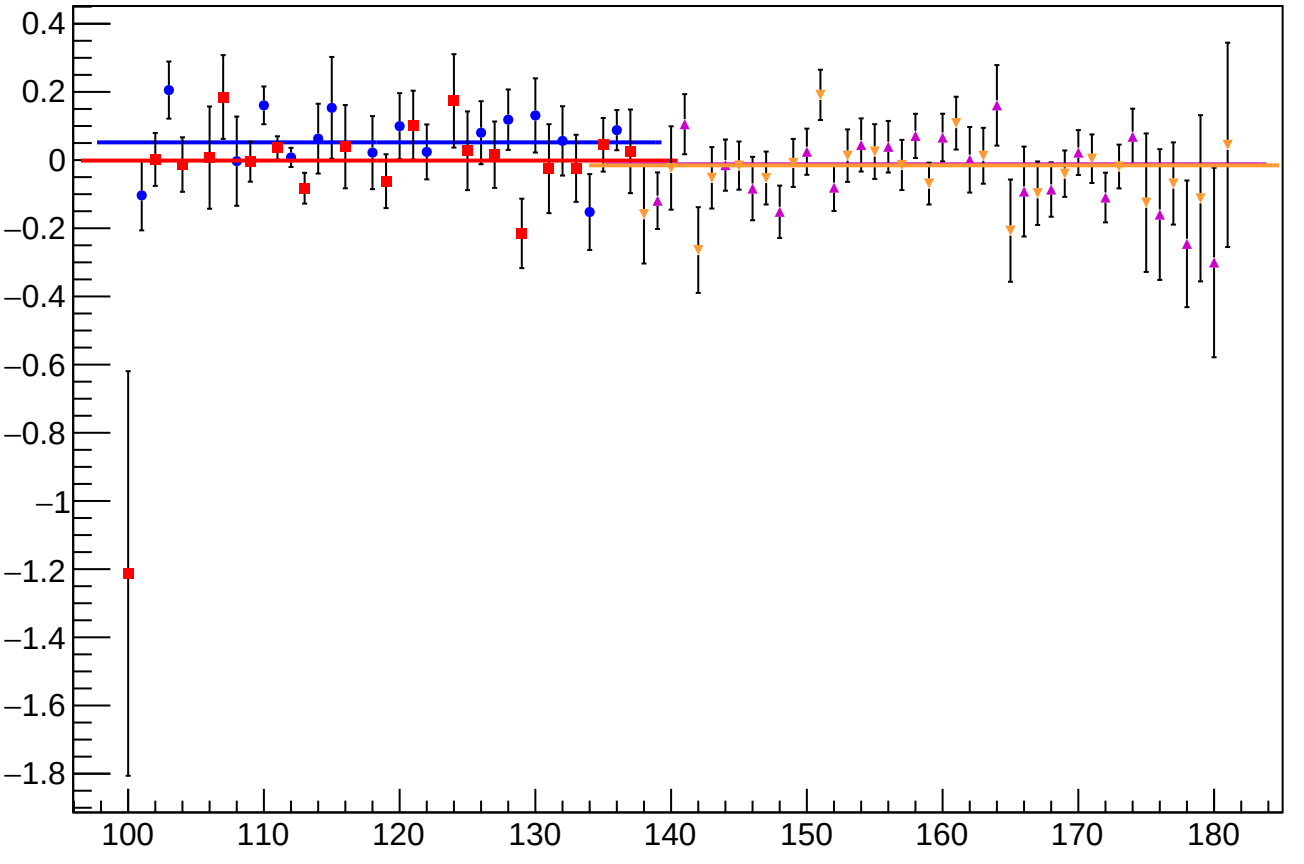
Right Out: 0.002+/-0.000 χ^2/NDF: 3137598.0/18

Left In: 0.003+/-0.000 χ^2/NDF:6231379.4/20

+ sign 0.002+/-0.000 χ^2/NDF: 9588317.1/38

All: 0.002+/-0.000 χ^2/NDF: 20175309.8/78

- sign 0.002+/-0.000 χ^2/NDF: 10522117.0/39



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.015+/-0.018 χ^2/NDF:20.3/22

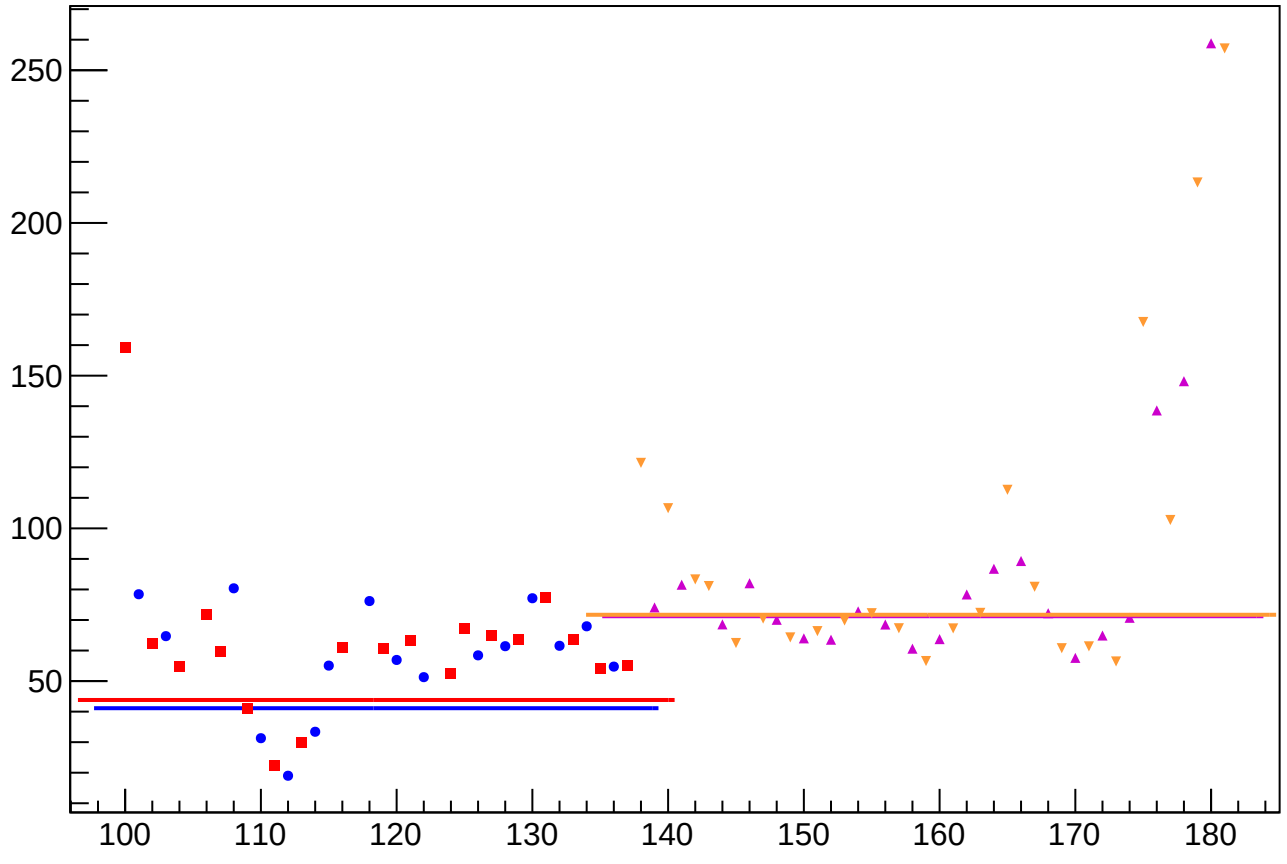
Right Out: -0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: -0.012+/-0.018 χ^2/NDF:22.2/20

+ sign 0.019+/-0.013 χ^2/NDF: 45.3/38

All: 0.006+/-0.009 χ^2/NDF: 88.9/78

- sign -0.007+/-0.013 χ^2/NDF: 41.6/39



Right In: 41.119+/-0.013 χ^2/NDF: 2925464.8/15

Left Out: 71.711+/-0.013 χ^2/NDF:3034657.4/22

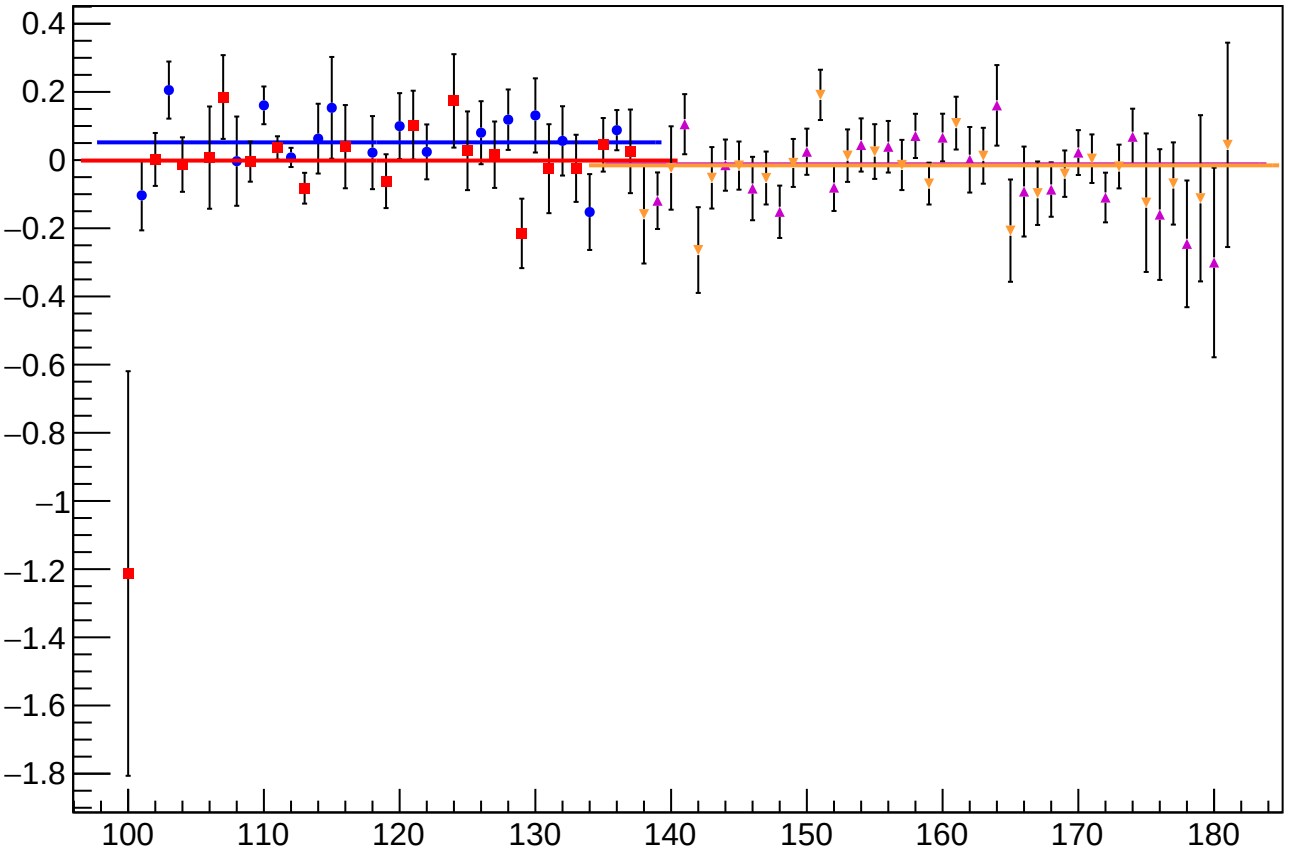
Right Out: 43.813+/-0.013 χ^2/NDF: 2048627.9/18

Left In: 71.235+/-0.013 χ^2/NDF:1872061.2/20

+ sign 56.200+/-0.009 χ^2/NDF: 8881572.9/38

All: 56.705+/-0.006 χ^2/NDF: 15097085.8/78

- sign 57.222+/-0.009 χ^2/NDF: 6209073.0/39



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.015+/-0.018 χ^2/NDF:20.3/22

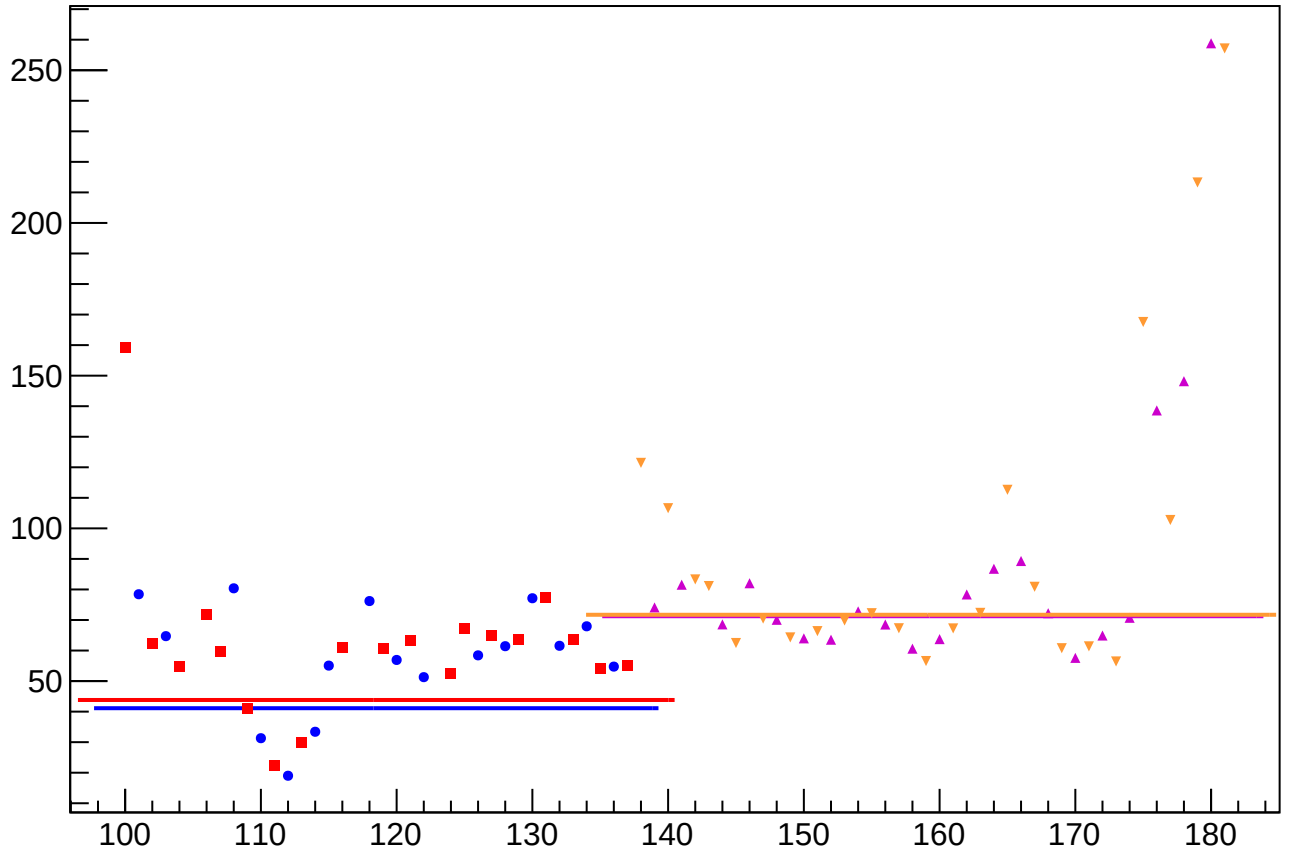
Right Out: -0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: -0.012+/-0.018 χ^2/NDF:22.2/20

+ sign 0.019+/-0.013 χ^2/NDF: 45.3/38

All: 0.006+/-0.009 χ^2/NDF: 88.9/78

- sign -0.007+/-0.013 χ^2/NDF: 41.6/39



Right In: 41.119+/-0.013 χ^2/NDF: 2925464.8/15

Left Out: 71.711+/-0.013 χ^2/NDF:3034657.4/22

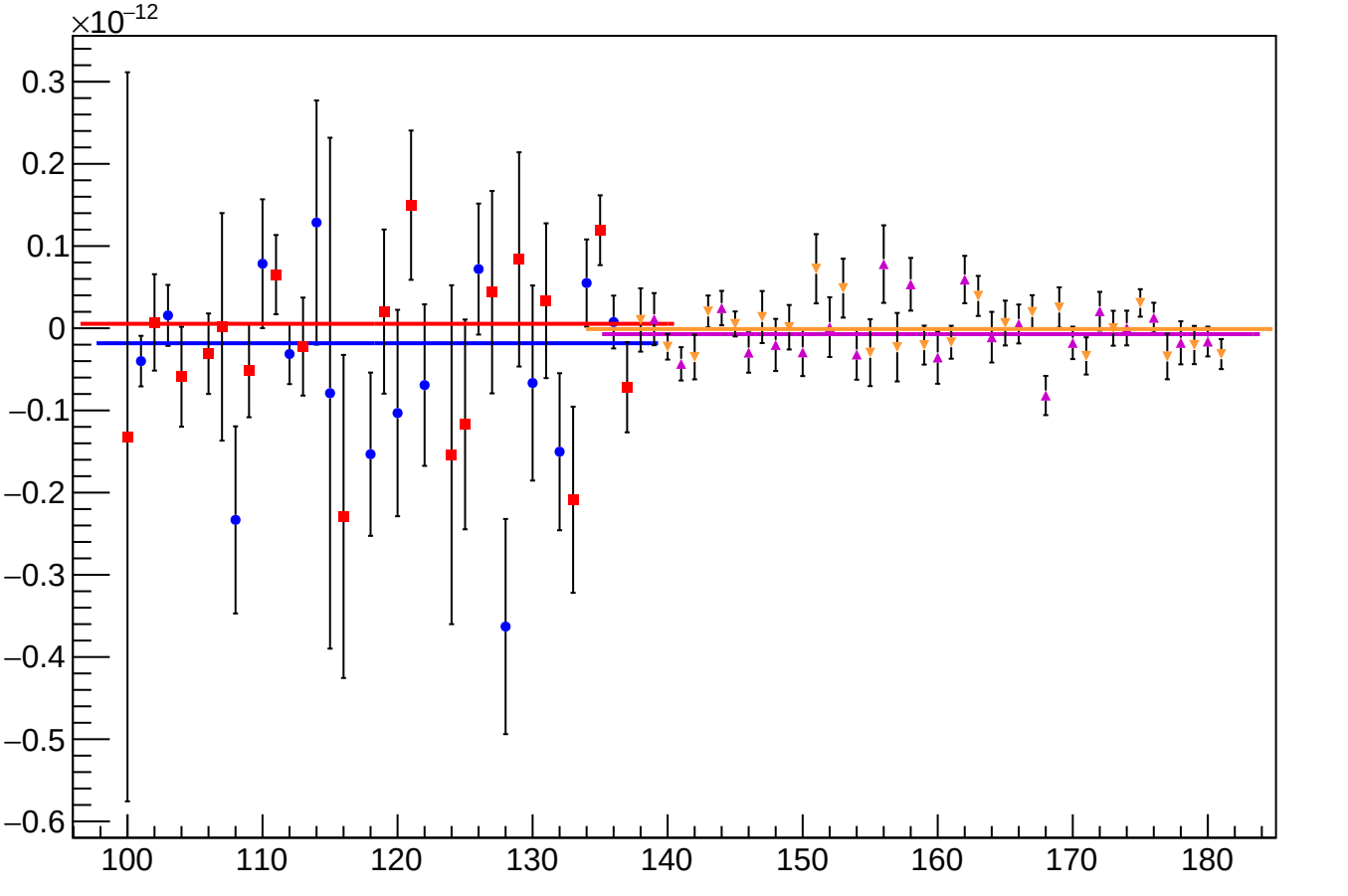
Right Out: 43.813+/-0.013 χ^2/NDF: 2048627.9/18

Left In: 71.235+/-0.013 χ^2/NDF:1872061.2/20

+ sign 56.200+/-0.009 χ^2/NDF: 8881572.9/38

All: 56.705+/-0.006 χ^2/NDF: 15097085.8/78

- sign 57.222+/-0.009 χ^2/NDF: 6209073.0/39



Right In: -0.000+/-0.000 χ^2/NDF: 23.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:27.8/22

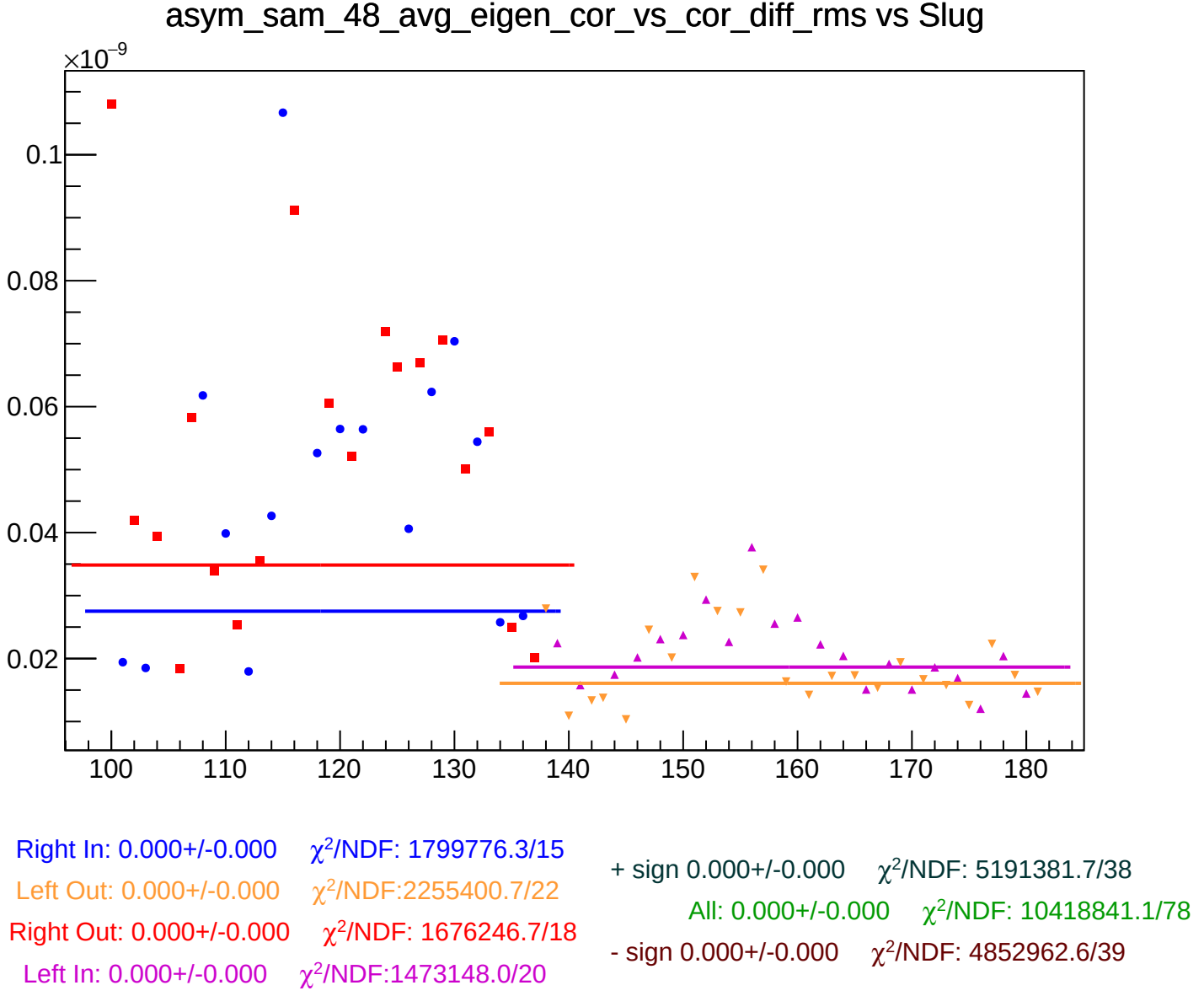
Right Out: 0.000+/-0.000 χ^2/NDF: 23.3/18

Left In: -0.000+/-0.000 χ^2/NDF:34.5/20

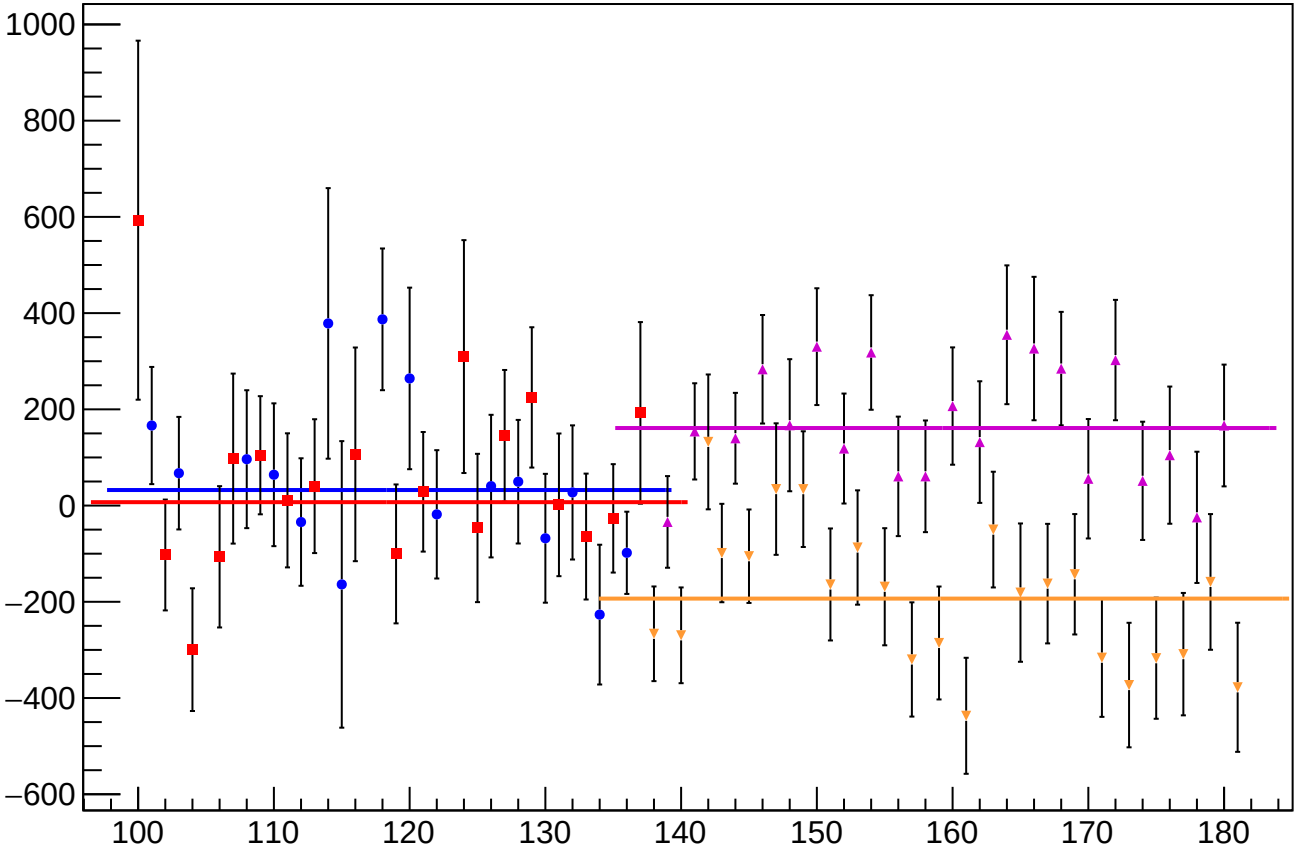
+ sign -0.000+/-0.000 χ^2/NDF: 52.1/38

All: -0.000+/-0.000 χ^2/NDF: 110.7/78

- sign -0.000+/-0.000 χ^2/NDF: 58.4/39


asym_sam_48_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: 1799776.3/15
Left Out: 0.000+/-0.000 χ²/NDF:2255400.7/22
Right Out: 0.000+/-0.000 χ²/NDF: 1676246.7/18
Left In: 0.000+/-0.000 χ²/NDF:1473148.0/20
+ sign 0.000+/-0.000 χ²/NDF: 5191381.7/38
All: 0.000+/-0.000 χ²/NDF: 10418841.1/78
- sign 0.000+/-0.000 χ²/NDF: 4852962.6/39

reg_asym_sam_15_dd_mean vs Slug



Right In: 32.297+/-34.429 χ^2/NDF: 17.3/15

Left Out: -193.355+/-24.947 χ^2/NDF:29.6/22

Right Out: 7.070+/-33.420 χ^2/NDF: 17.8/18

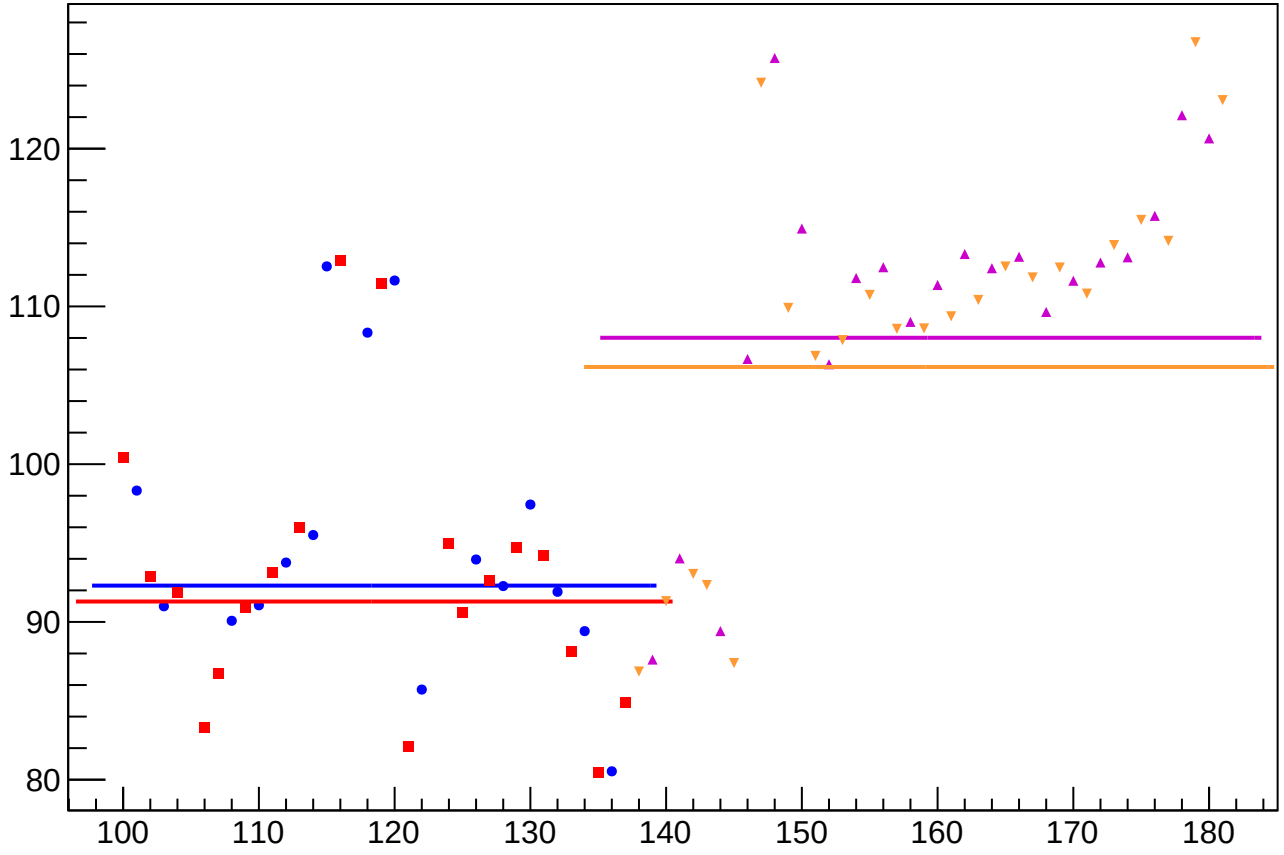
Left In: 161.179+/-26.139 χ^2/NDF:19.8/20

+ sign -115.669+/-20.201 χ^2/NDF: 75.1/38

All: -8.568+/-14.419 χ^2/NDF: 183.2/78

- sign 102.688+/-20.589 χ^2/NDF: 50.7/39

reg_asym_sam_15_dd_rms vs Slug



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 106.161+/-0.018 χ^2/NDF:412314.2/22

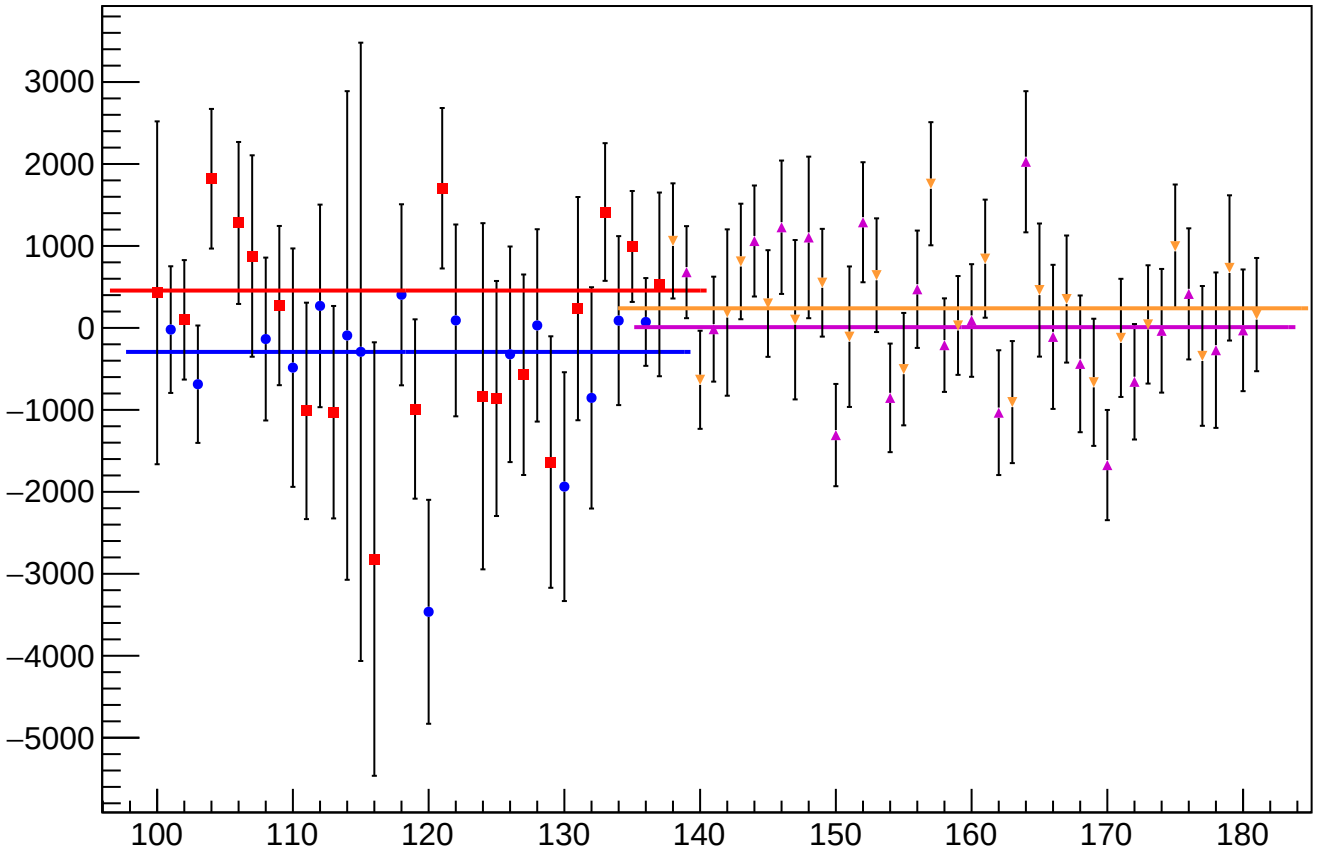
Right Out: 91.294+/-0.024 χ^2/NDF: 105096.6/18

Left In: 108.012+/-0.018 χ^2/NDF:318784.7/20

+ sign 101.390+/-0.014 χ^2/NDF: 731888.3/38

All: 101.526+/-0.010 χ^2/NDF: 1466497.5/78

- sign 101.667+/-0.015 χ^2/NDF: 734425.4/39



Right In: -292.756+/-259.692 χ^2/NDF: 8.8/15

Left Out: 239.444+/-153.307 χ^2/NDF:16.9/22

Right Out: 455.830+/-248.717 χ^2/NDF: 16.9/18

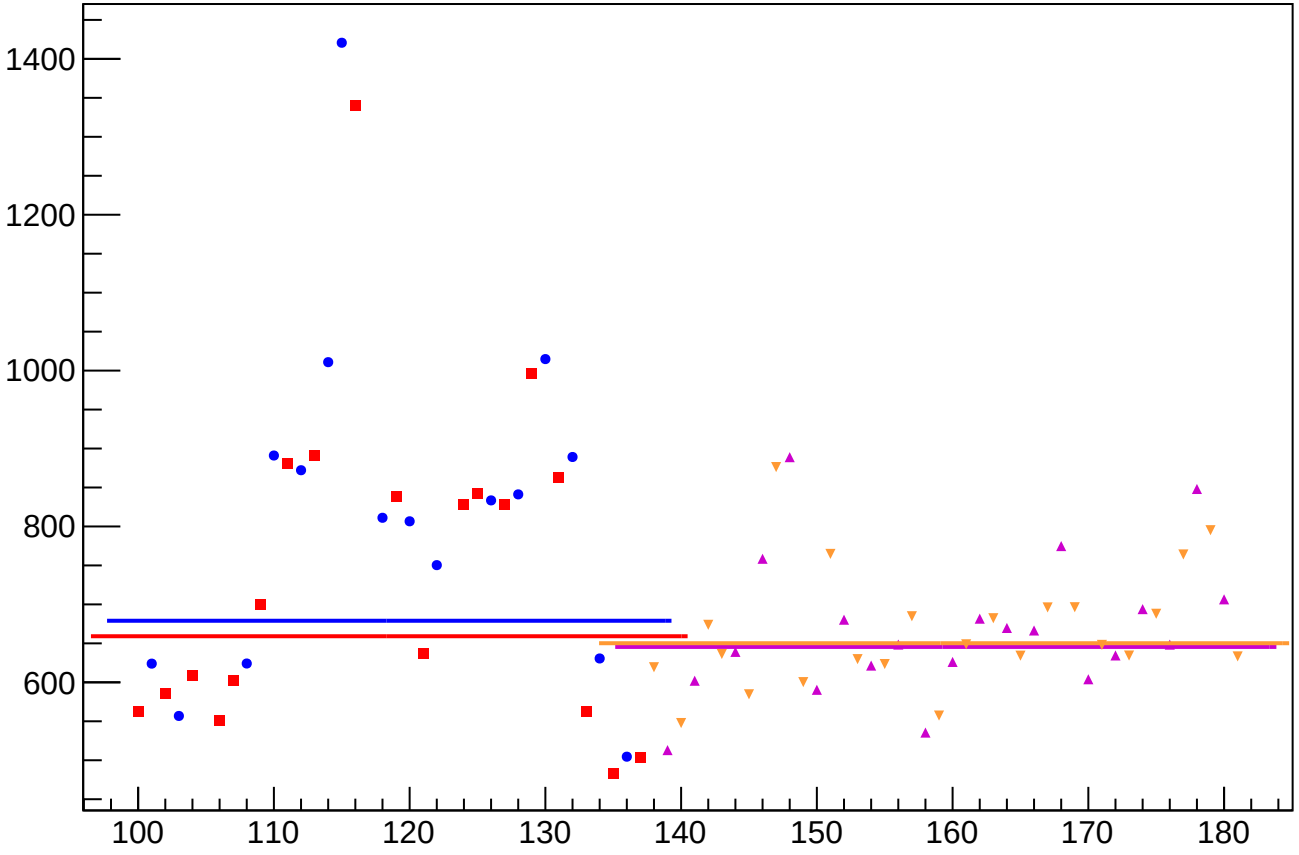
Left In: 9.354+/-157.210 χ^2/NDF:32.3/20

\+ sign 101.904+/-132.019 χ^2/NDF: 28.9/38

All: 119.243+/-93.658 χ^2/NDF: 80.3/78

\- sign 136.812+/-132.889 χ^2/NDF: 51.4/39

asym_sam_15_dd_reg_correction_rms vs Slug



Right In: 679.003+/-0.184 χ^2/NDF: 767983.3/15

Left Out: 650.177+/-0.108 χ^2/NDF:411393.3/22

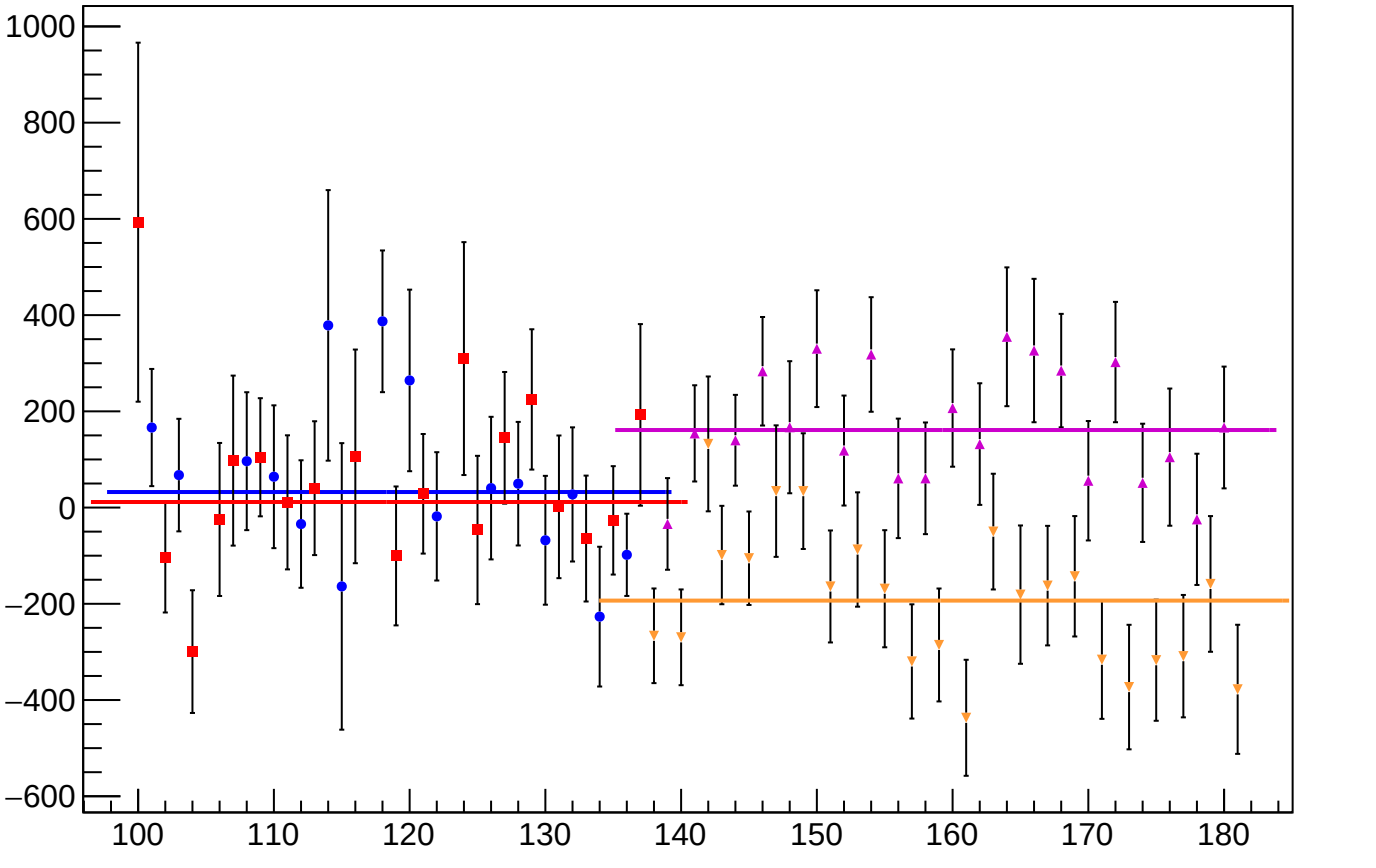
Right Out: 659.133+/-0.176 χ^2/NDF: 795877.7/18

Left In: 645.433+/-0.111 χ^2/NDF:556482.4/20

+ sign 657.627+/-0.093 χ^2/NDF: 1197650.1/38

All: 653.513+/-0.066 χ^2/NDF: 2558257.1/78

- sign 649.344+/-0.094 χ^2/NDF: 1356696.4/39



Right In: 32.312+/-34.429 χ^2/NDF: 17.3/15

Left Out: -193.356+/-24.947 χ^2/NDF:29.6/22

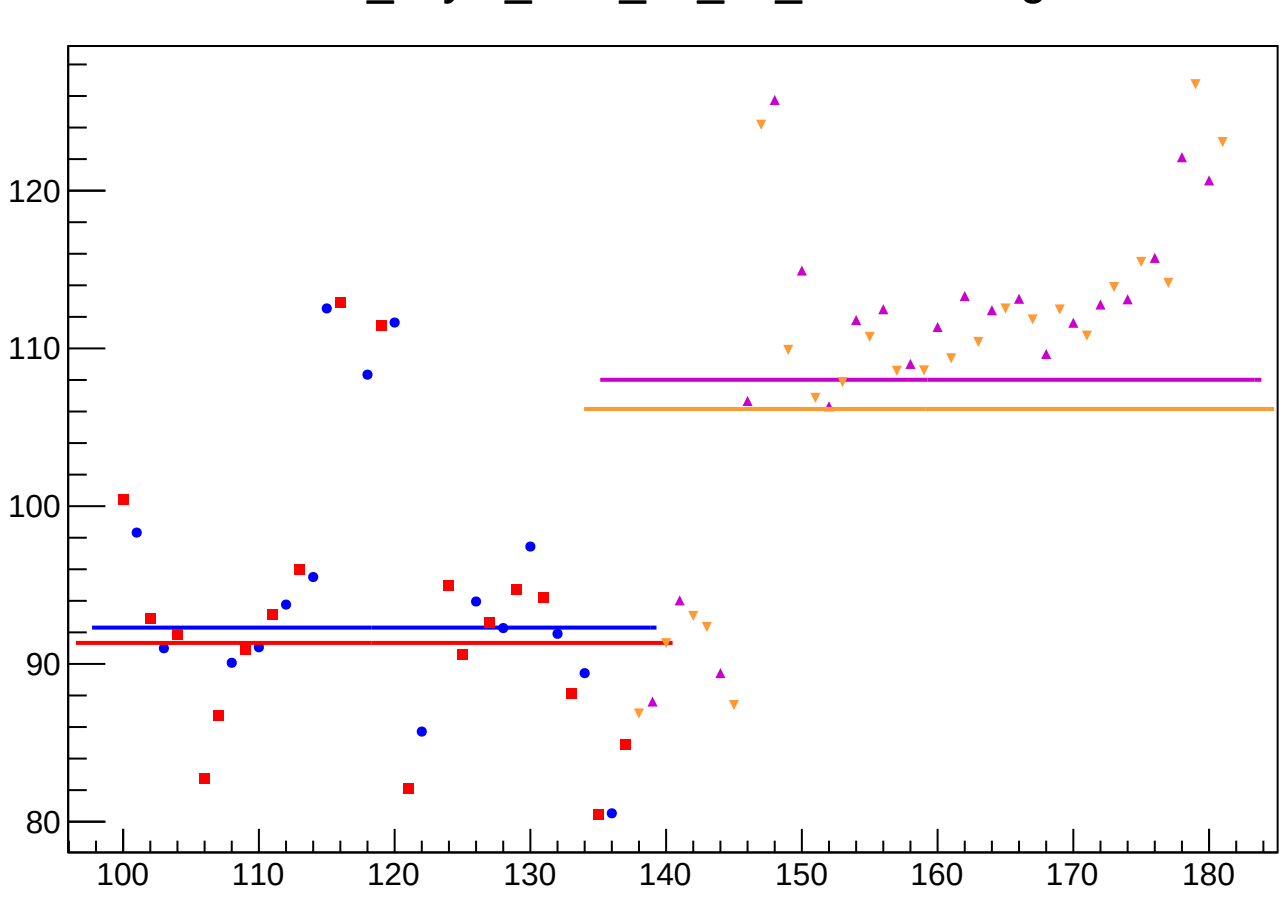
Right Out: 11.576+/-33.548 χ^2/NDF: 17.2/18

Left In: 161.183+/-26.139 χ^2/NDF:19.8/20

+ sign -115.664+/-20.201 χ^2/NDF: 75.1/38

All: -7.753+/-14.430 χ^2/NDF: 182.7/78

- sign 104.671+/-20.619 χ^2/NDF: 49.4/39



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 106.161+/-0.018 χ^2/NDF:412314.2/22

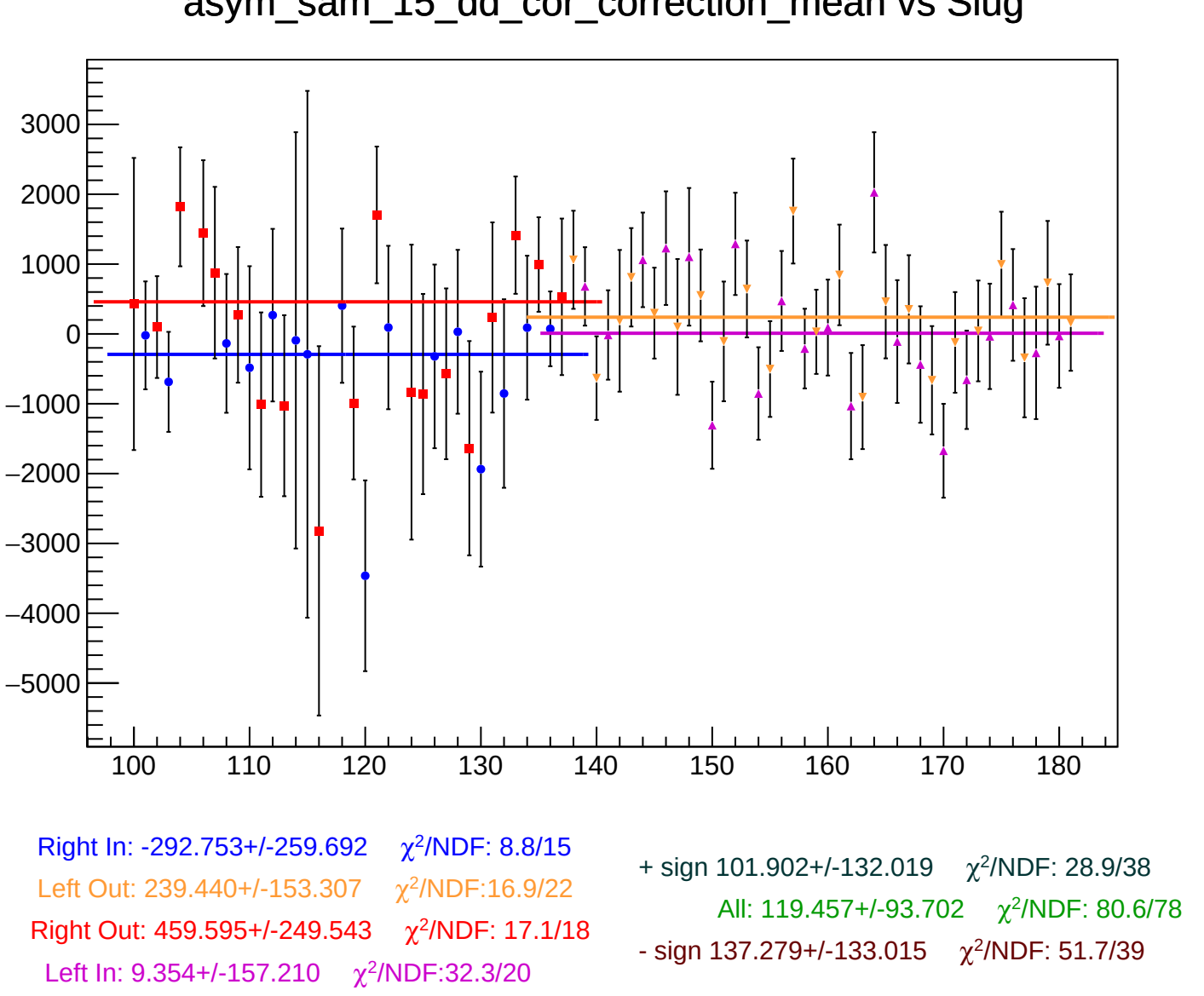
Right Out: 91.332+/-0.024 χ^2/NDF: 104918.3/18

Left In: 108.012+/-0.018 χ^2/NDF:318784.7/20

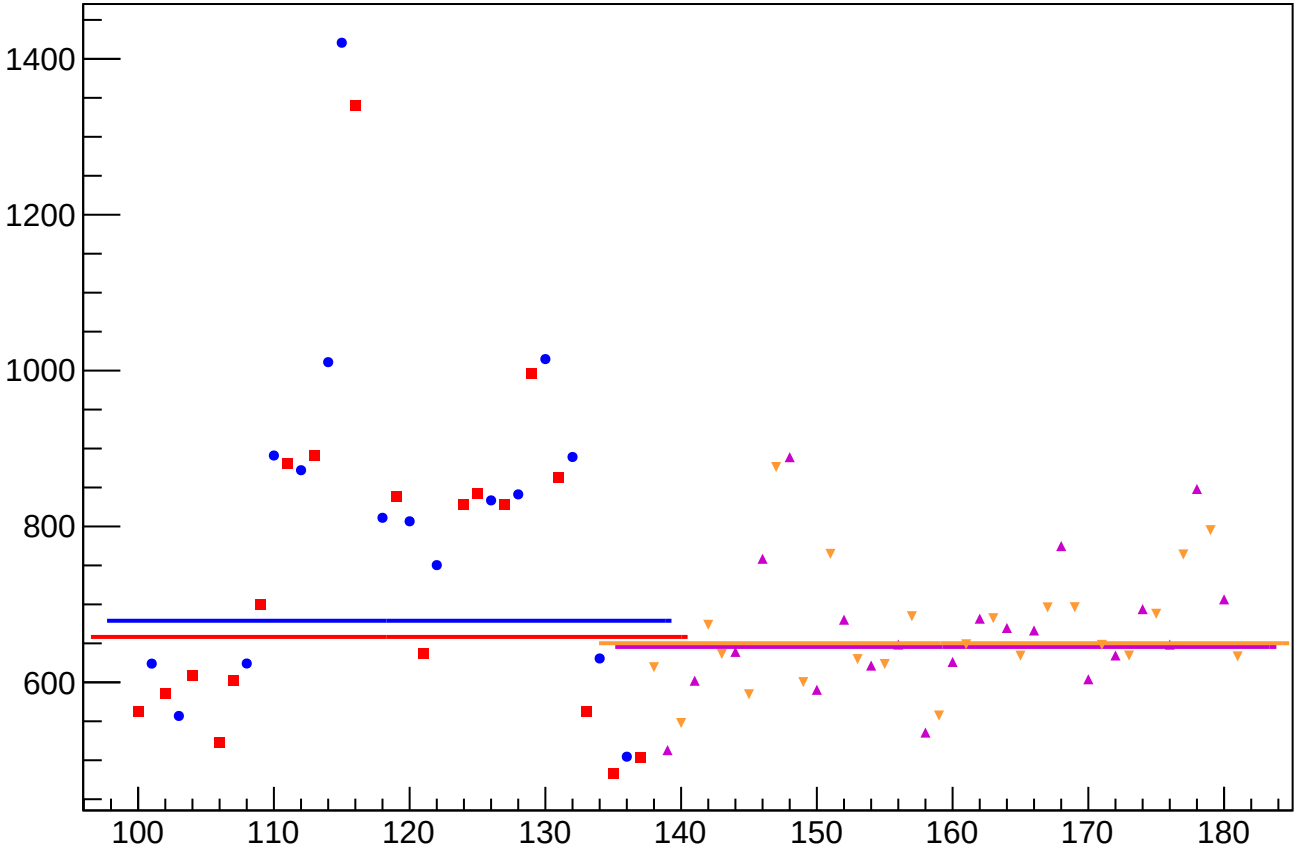
+ sign 101.390+/-0.014 χ^2/NDF: 731888.2/38

All: 101.547+/-0.010 χ^2/NDF: 1463488.5/78

- sign 101.711+/-0.015 χ^2/NDF: 731352.5/39


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: 239.440+/-153.307 χ²/NDF:16.9/22
Right Out: 459.595+/-249.543 χ²/NDF: 17.1/18
Left In: 9.354+/-157.210 χ²/NDF:32.3/20
+ sign 101.902+/-132.019 χ²/NDF: 28.9/38
All: 119.457+/-93.702 χ²/NDF: 80.6/78
- sign 137.279+/-133.015 χ²/NDF: 51.7/39

asym_sam_15_dd_cor_correction_rms vs Slug



Right In: 679.003+/-0.184 χ^2/NDF: 767985.6/15

Left Out: 650.177+/-0.108 χ^2/NDF:411394.2/22

Right Out: 658.262+/-0.176 χ^2/NDF: 805898.2/18

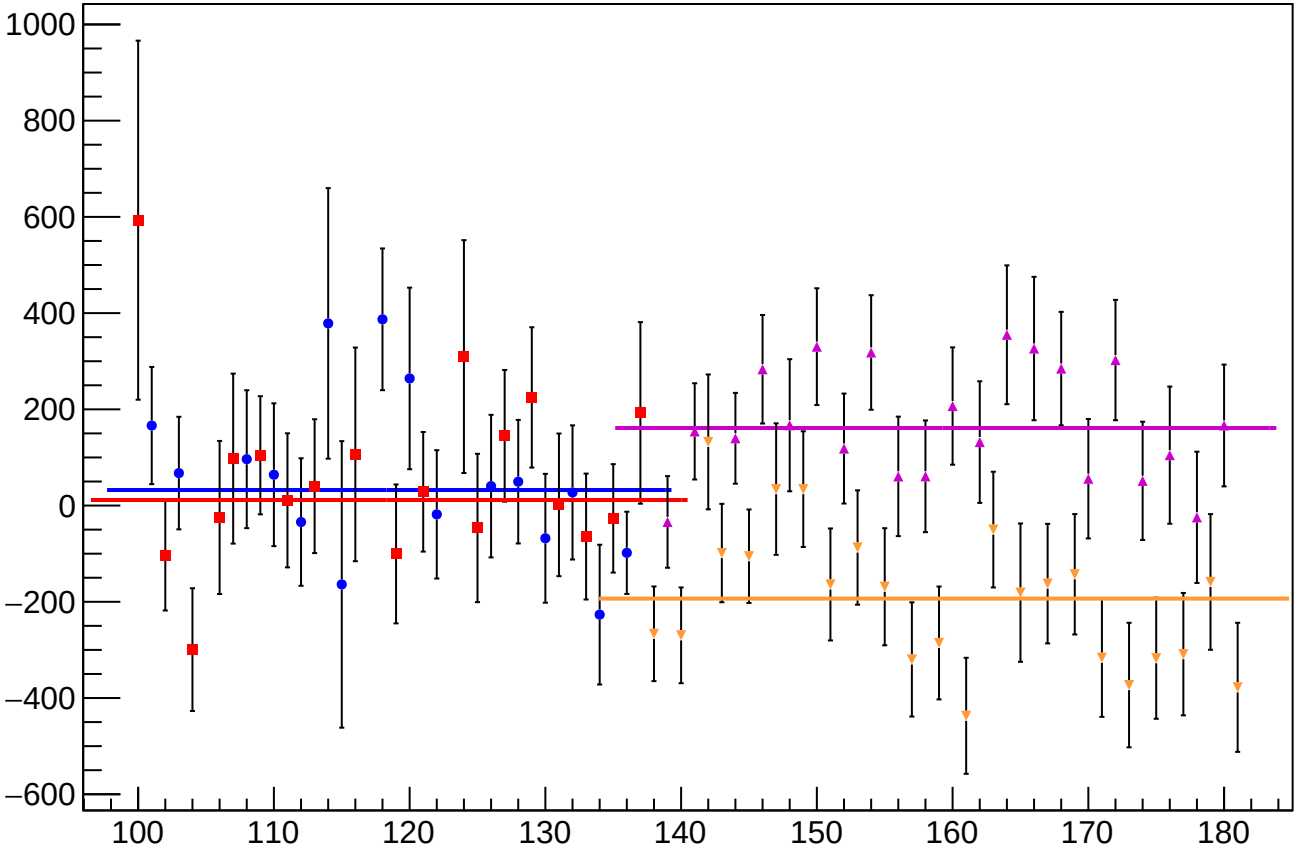
Left In: 645.433+/-0.111 χ^2/NDF:556483.5/20

\+ sign 657.627+/-0.093 χ^2/NDF: 1197652.5/38

All: 653.384+/-0.066 χ^2/NDF: 2567980.2/78

\- sign 649.078+/-0.094 χ^2/NDF: 1366165.7/39

eigen_cor_asym_sam_15_dd_mean vs Slug



Right In: 32.312+/-34.429 χ^2/NDF: 17.3/15

Left Out: -193.356+/-24.947 χ^2/NDF:29.6/22

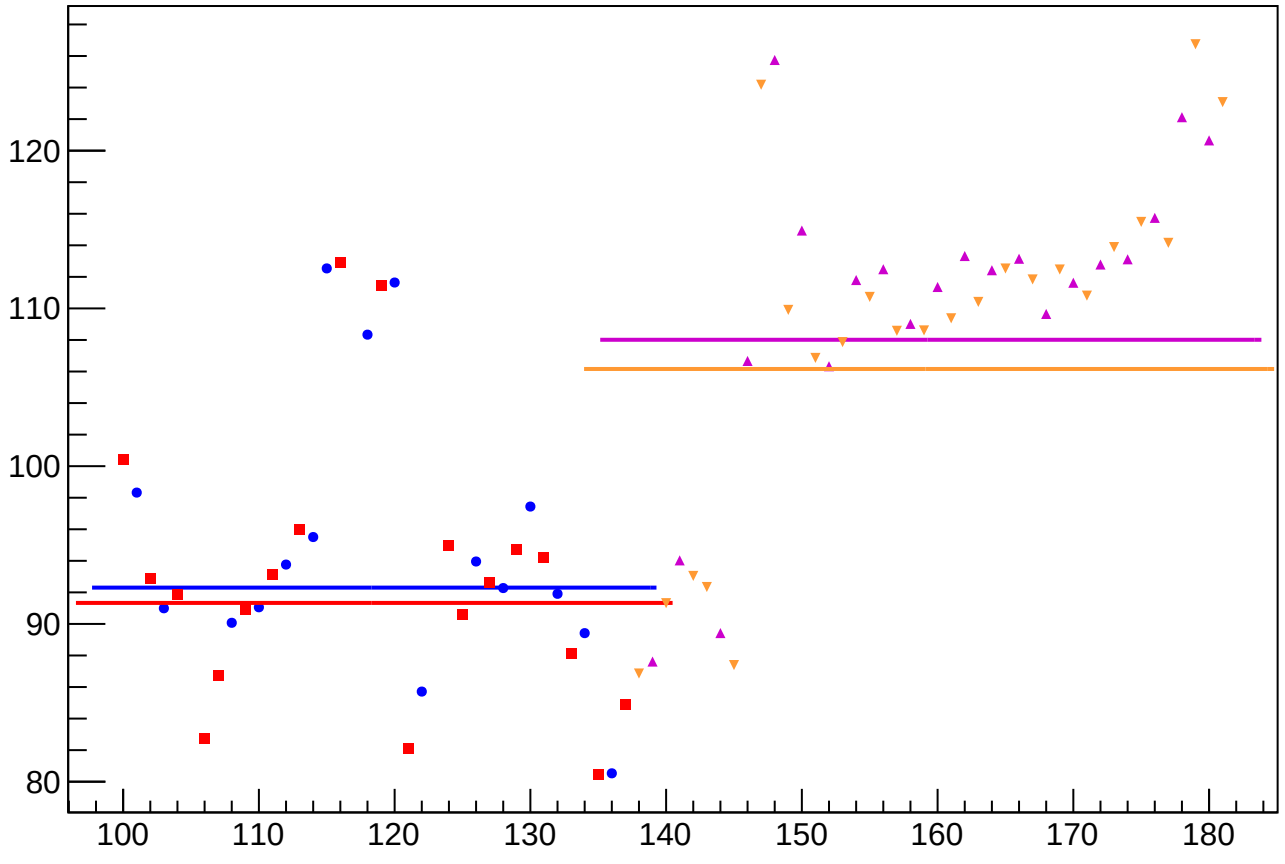
Right Out: 11.576+/-33.548 χ^2/NDF: 17.2/18

Left In: 161.183+/-26.139 χ^2/NDF:19.8/20

\+ sign -115.664+/-20.201 χ^2/NDF: 75.1/38

All: -7.753+/-14.430 χ^2/NDF: 182.7/78

\- sign 104.671+/-20.619 χ^2/NDF: 49.4/39



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 106.161+/-0.018 χ^2/NDF:412314.2/22

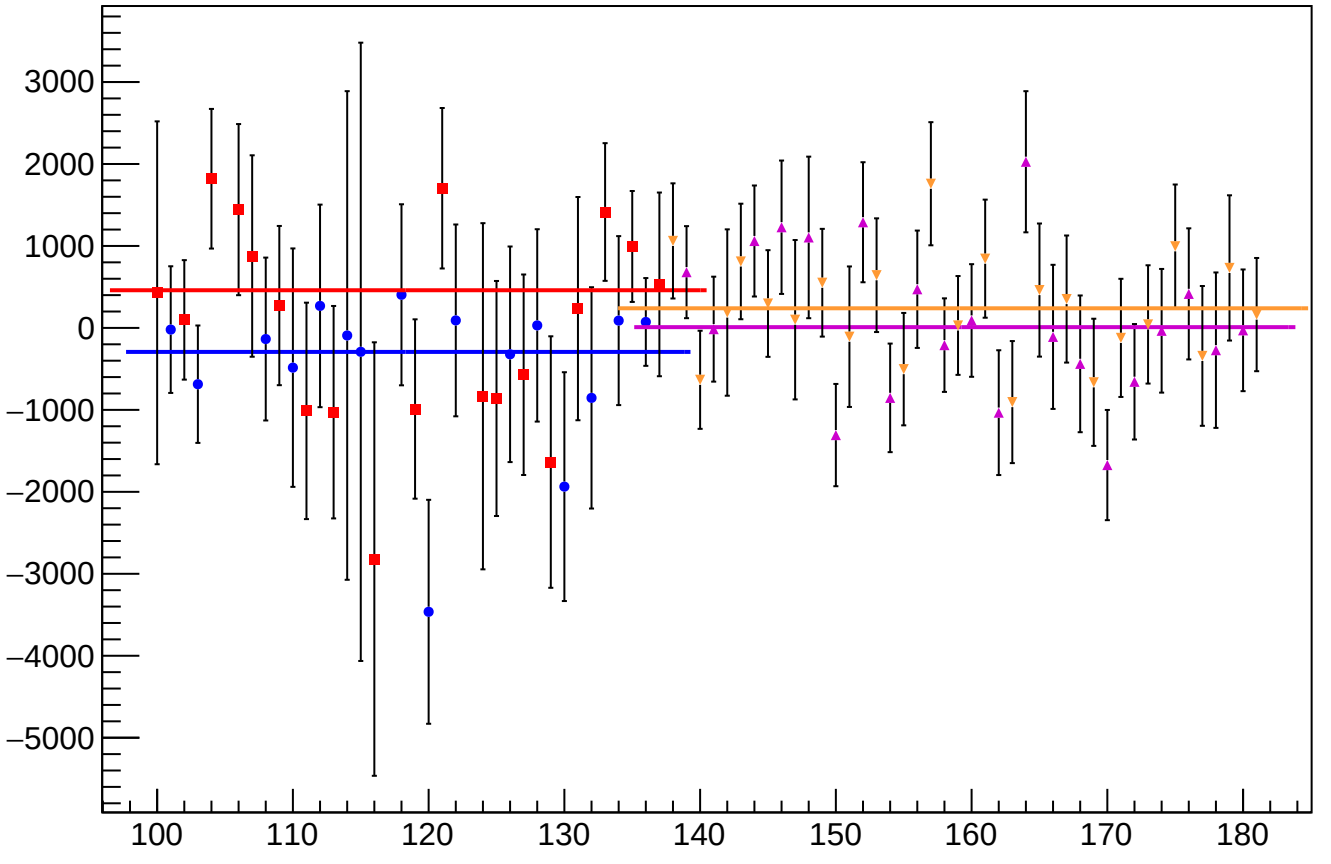
Right Out: 91.332+/-0.024 χ^2/NDF: 104918.3/18

Left In: 108.012+/-0.018 χ^2/NDF:318784.7/20

+ sign 101.390+/-0.014 χ^2/NDF: 731888.2/38

All: 101.547+/-0.010 χ^2/NDF: 1463488.5/78

- sign 101.711+/-0.015 χ^2/NDF: 731352.5/39



Right In: -292.753+/-259.692 χ^2/NDF: 8.8/15

Left Out: 239.440+/-153.307 χ^2/NDF:16.9/22

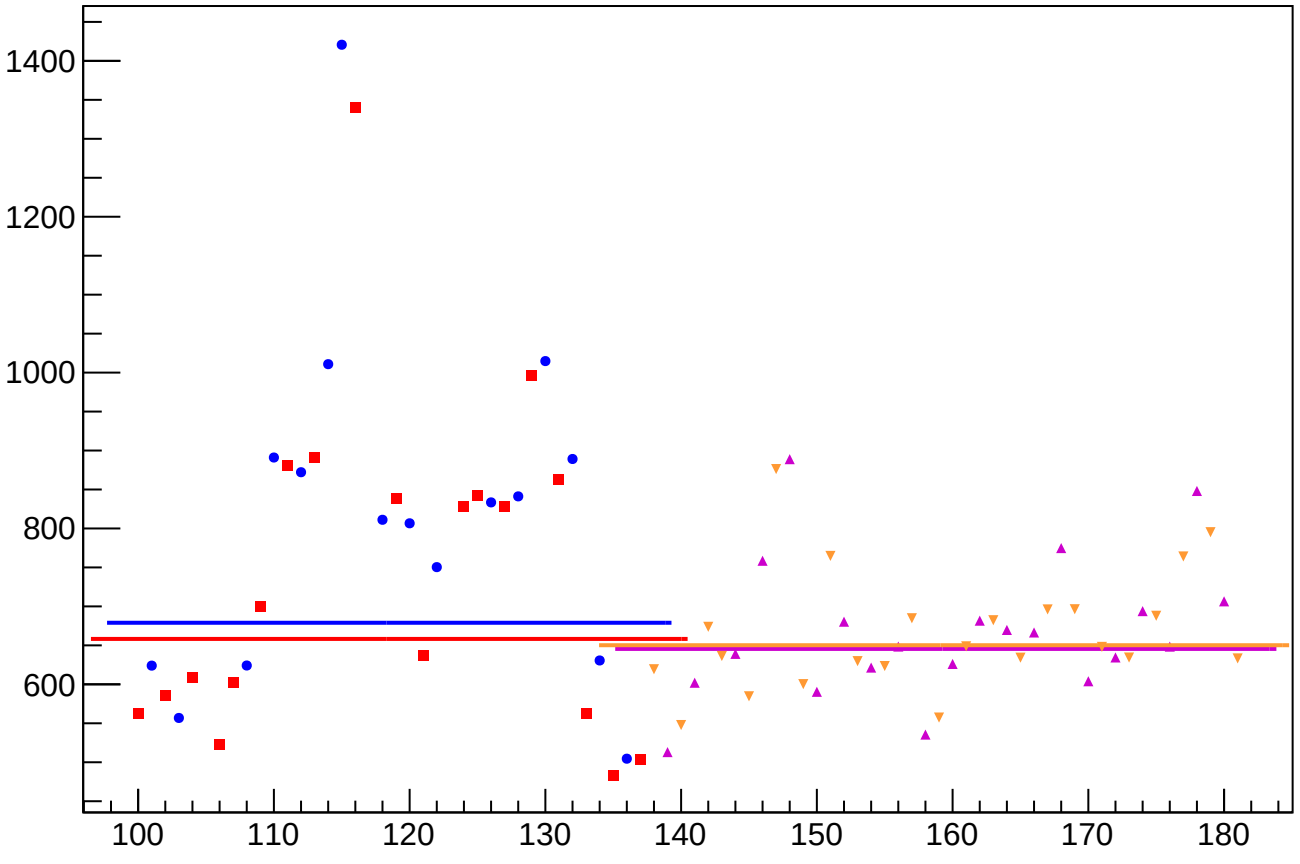
Right Out: 459.595+/-249.543 χ^2/NDF: 17.1/18

Left In: 9.354+/-157.210 χ^2/NDF:32.3/20

\+ sign 101.902+/-132.019 χ^2/NDF: 28.9/38

All: 119.457+/-93.702 χ^2/NDF: 80.6/78

\- sign 137.279+/-133.015 χ^2/NDF: 51.7/39



Right In: 679.003+/-0.184 χ^2/NDF: 767985.6/15

Left Out: 650.177+/-0.108 χ^2/NDF:411394.2/22

Right Out: 658.262+/-0.176 χ^2/NDF: 805898.2/18

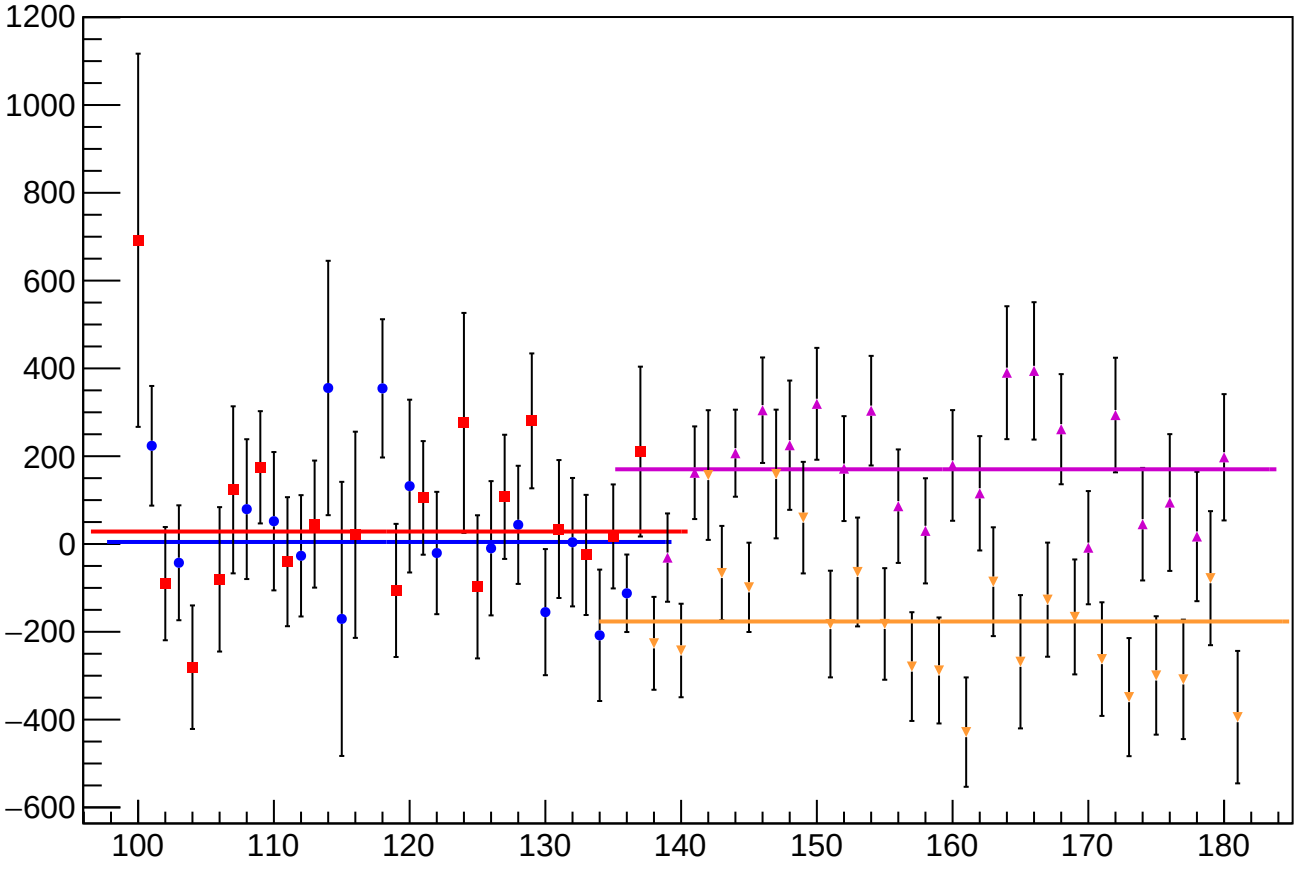
Left In: 645.433+/-0.111 χ^2/NDF:556483.5/20

+ sign 657.627+/-0.093 χ^2/NDF: 1197652.5/38

All: 653.384+/-0.066 χ^2/NDF: 2567980.2/78

- sign 649.078+/-0.094 χ^2/NDF: 1366165.7/39

dit_asym_sam_15_dd_mean vs Slug



Right In: 4.619+/-36.509 χ^2/NDF: 15.3/15

Left Out: -176.497+/-26.308 χ^2/NDF:29.9/22

Right Out: 28.407+/-35.465 χ^2/NDF: 17.1/18

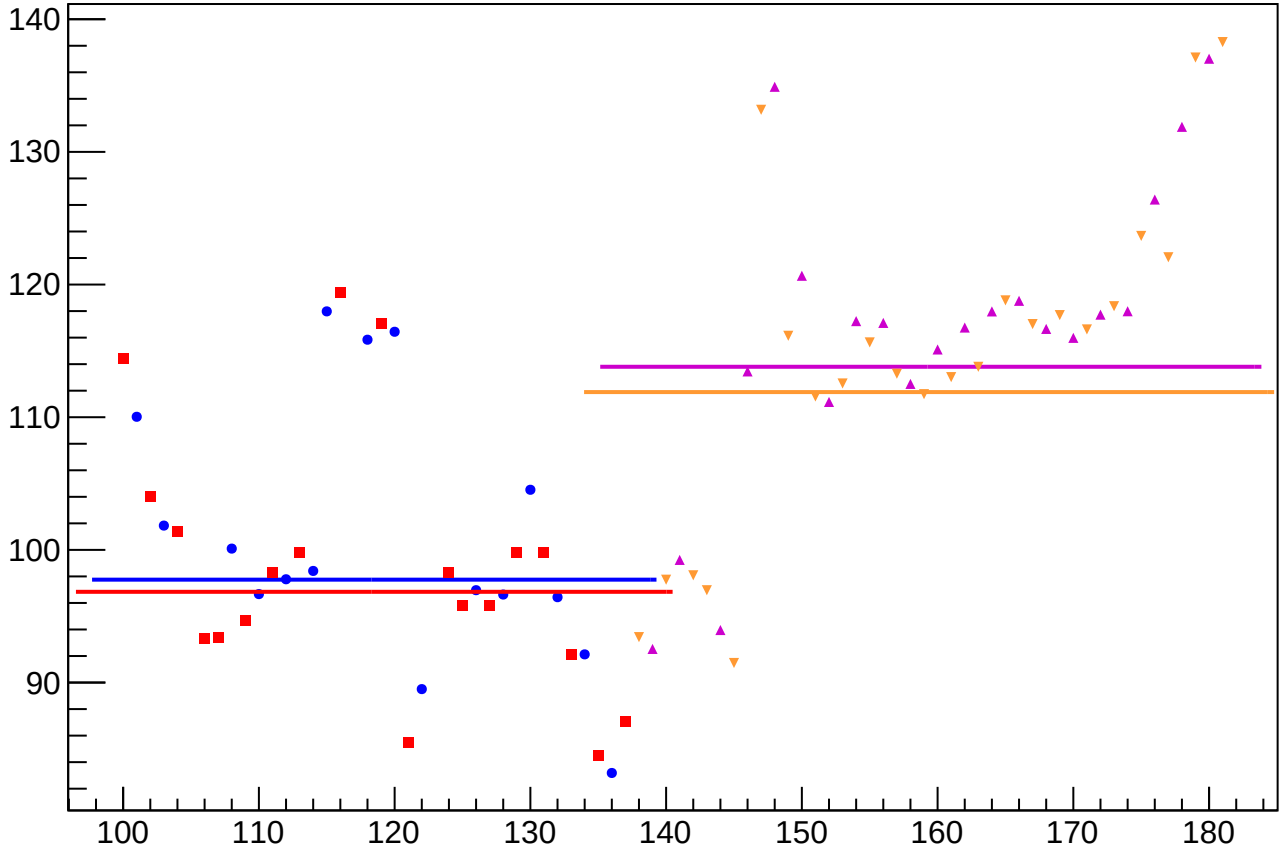
Left In: 170.192+/-27.564 χ^2/NDF:19.8/20

+ sign -114.596+/-21.344 χ^2/NDF: 61.5/38

All: -1.153+/-15.239 χ^2/NDF: 166.0/78

- sign 116.798+/-21.764 χ^2/NDF: 46.9/39

dit_asym_sam_15_dd_rms vs Slug



Right In: 97.756+/-0.026 χ^2/NDF: 140654.4/15

Left Out: 111.895+/-0.019 χ^2/NDF:440704.1/22

Right Out: 96.840+/-0.025 χ^2/NDF: 115170.9/18

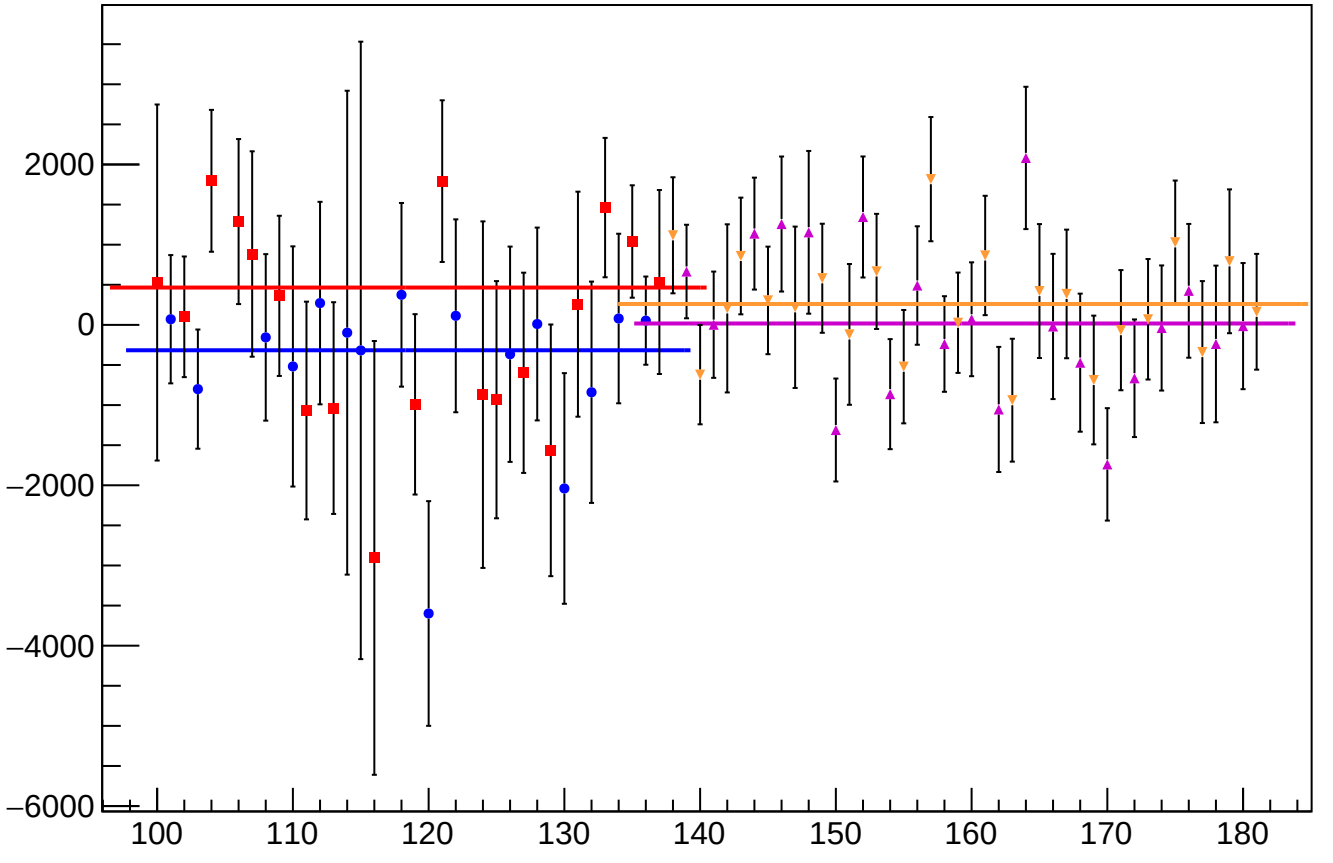
Left In: 113.803+/-0.019 χ^2/NDF:364173.1/20

\+ sign 107.063+/-0.015 χ^2/NDF: 778811.7/38

All: 107.235+/-0.011 χ^2/NDF: 1543681.3/78

\- sign 107.415+/-0.015 χ^2/NDF: 764602.8/39

asym_sam_15_dd_dit_correction_mean vs Slug



Right In: -316.572+/-267.515 χ^2/NDF: 9.2/15

Left Out: 260.395+/-158.337 χ^2/NDF:16.9/22

Right Out: 465.576+/-256.646 χ^2/NDF: 16.5/18

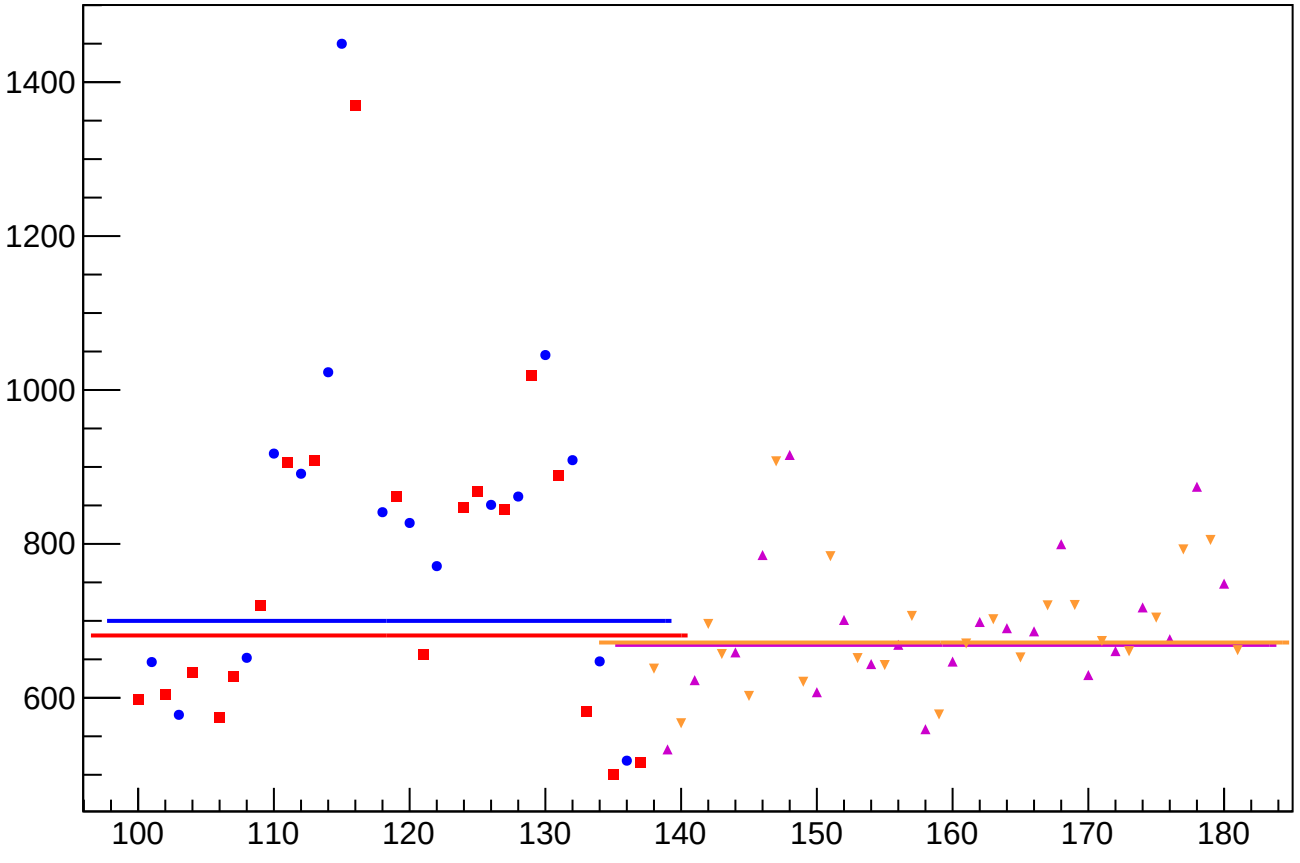
Left In: 17.370+/-162.824 χ^2/NDF:32.0/20

\+ sign 110.709+/-136.259 χ^2/NDF: 29.5/38

All: 128.196+/-96.781 χ^2/NDF: 80.1/78

\- sign 146.000+/-137.489 χ^2/NDF: 50.6/39

asym_sam_15_dd_dit_correction_rms vs Slug



Right In: 699.973+/-0.189 χ^2/NDF: 753665.4/15

Left Out: 671.872+/-0.112 χ^2/NDF:397014.1/22

Right Out: 681.016+/-0.181 χ^2/NDF: 769397.2/18

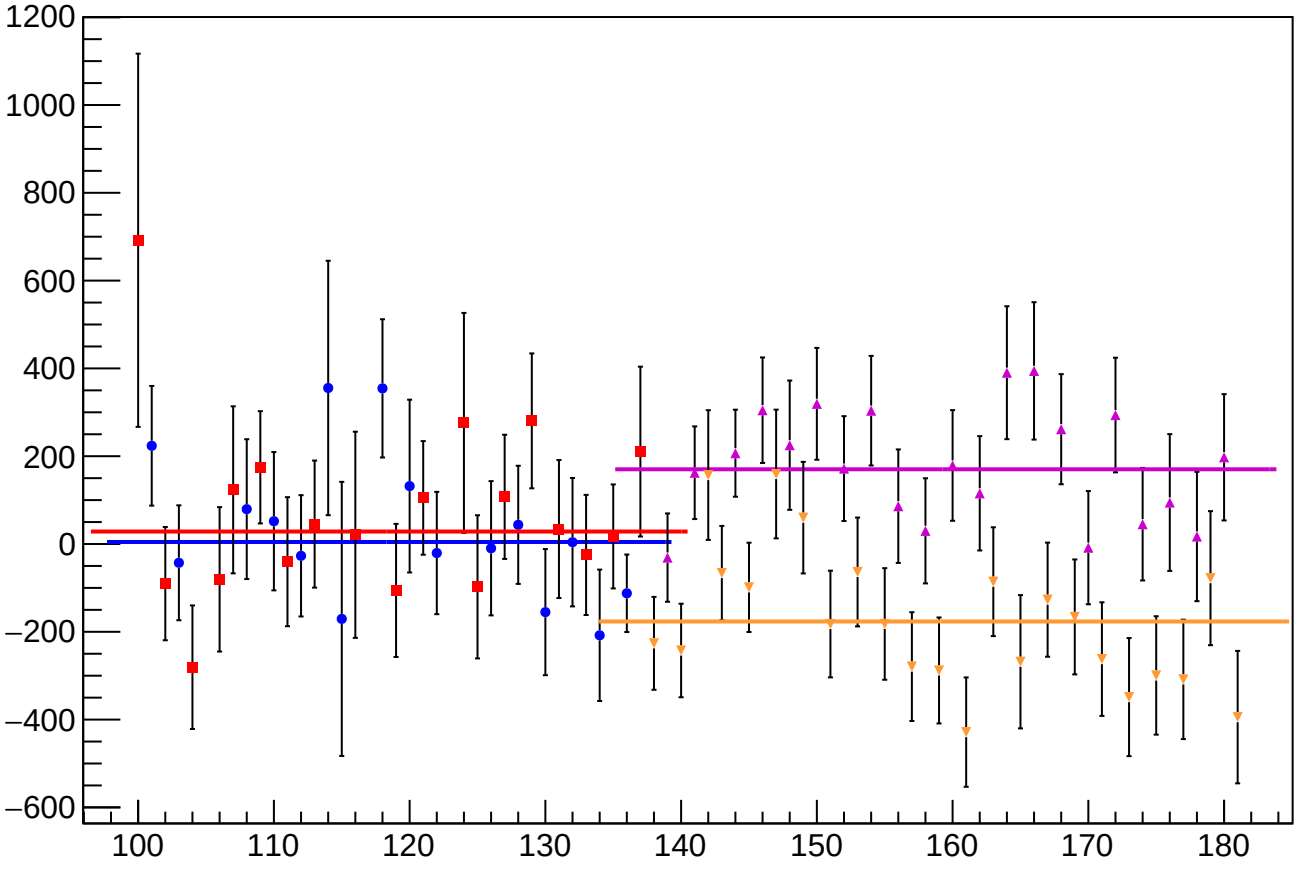
Left In: 668.782+/-0.115 χ^2/NDF:543827.0/20

+ sign 679.163+/-0.096 χ^2/NDF: 1167022.1/38

All: 675.759+/-0.068 χ^2/NDF: 2486005.6/78

- sign 672.293+/-0.097 χ^2/NDF: 1316464.8/39

eigen_dit_asym_sam_15_dd_mean vs Slug



Right In: 4.620+/-36.509 χ^2/NDF: 15.3/15

Left Out: -176.497+/-26.308 χ^2/NDF:29.9/22

Right Out: 28.407+/-35.465 χ^2/NDF: 17.1/18

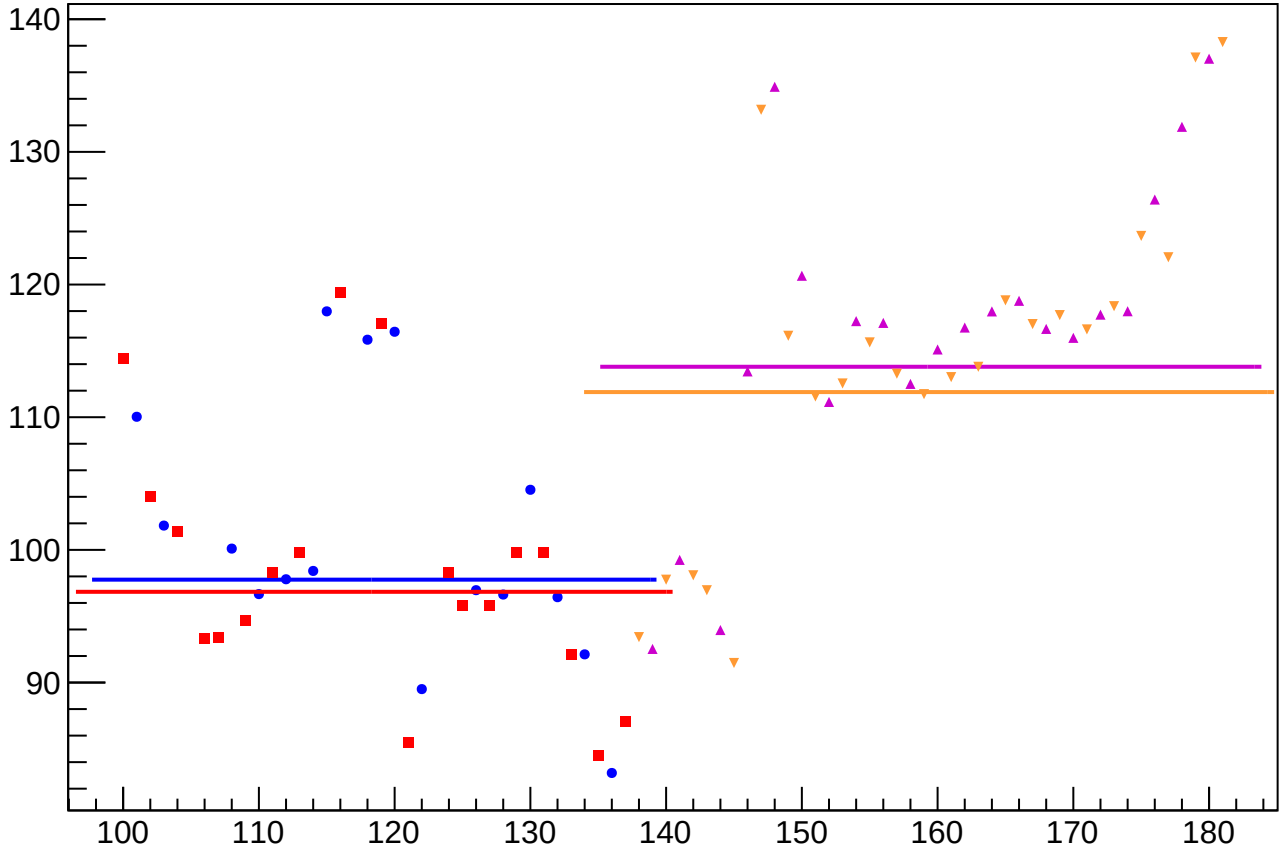
Left In: 170.192+/-27.564 χ^2/NDF:19.8/20

+ sign -114.596+/-21.344 χ^2/NDF: 61.5/38

All: -1.153+/-15.239 χ^2/NDF: 166.0/78

- sign 116.798+/-21.764 χ^2/NDF: 46.9/39

eigen_dit_asym_sam_15_dd_rms vs Slug



Right In: 97.756+/-0.026 χ^2/NDF: 140654.8/15

Left Out: 111.895+/-0.019 χ^2/NDF:440697.8/22

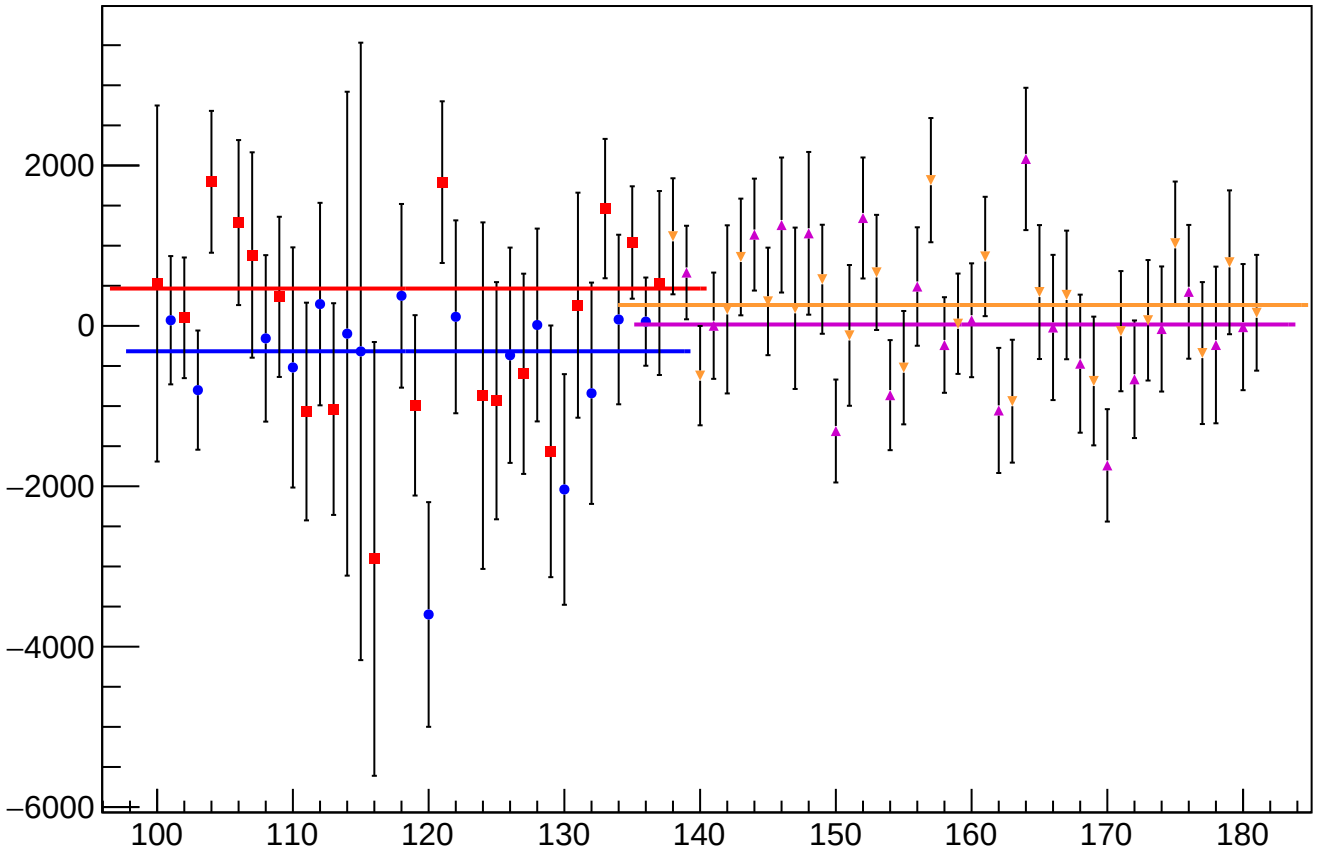
Right Out: 96.839+/-0.025 χ^2/NDF: 115173.1/18

Left In: 113.803+/-0.019 χ^2/NDF:364170.4/20

\+ sign 107.063+/-0.015 χ^2/NDF: 778815.0/38

All: 107.235+/-0.011 χ^2/NDF: 1543699.3/78

\- sign 107.415+/-0.015 χ^2/NDF: 764617.4/39



Right In: -316.570+/-267.515 χ^2/NDF: 9.2/15

Left Out: 260.395+/-158.337 χ^2/NDF:16.9/22

Right Out: 465.576+/-256.645 χ^2/NDF: 16.5/18

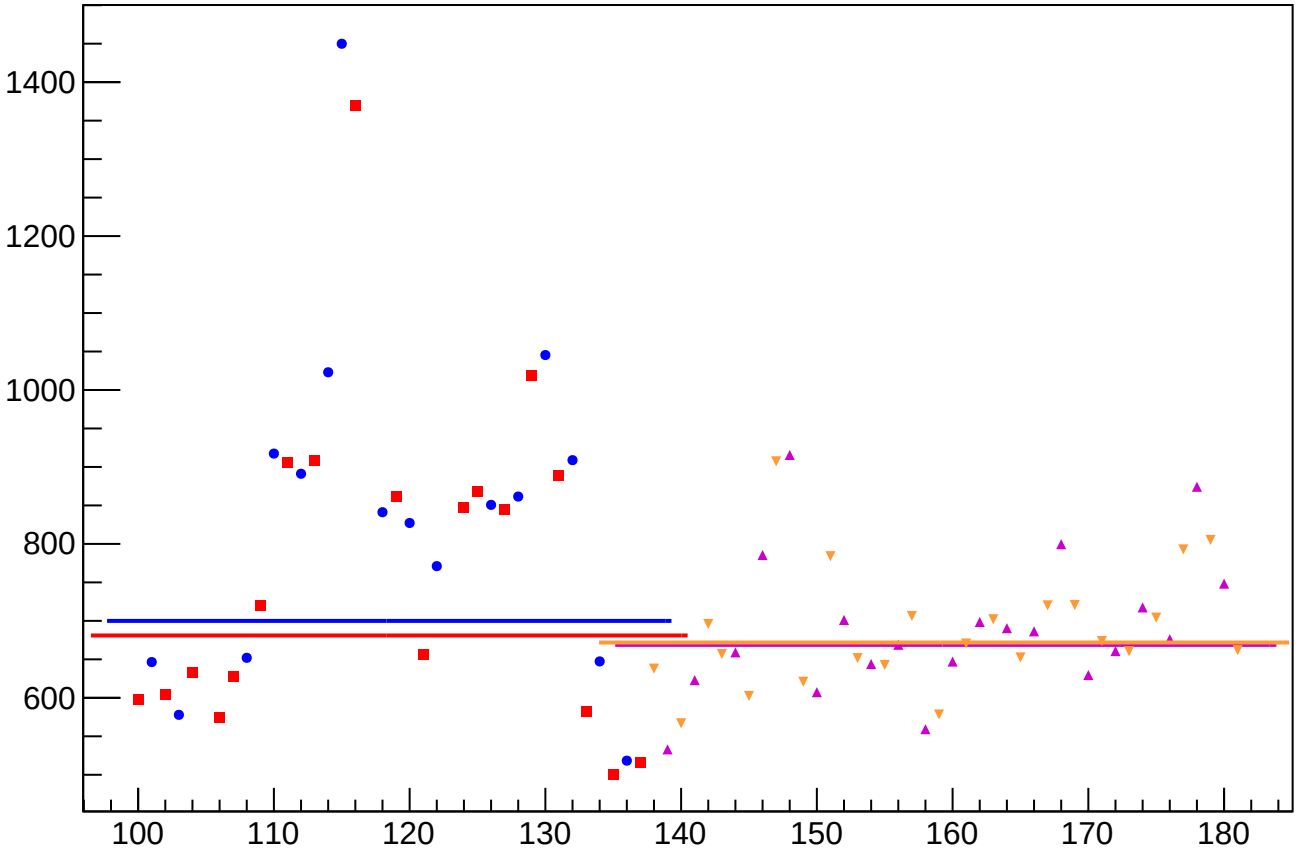
Left In: 17.371+/-162.824 χ^2/NDF:32.0/20

+ sign 110.708+/-136.259 χ^2/NDF: 29.5/38

All: 128.196+/-96.781 χ^2/NDF: 80.1/78

- sign 146.001+/-137.489 χ^2/NDF: 50.6/39

asym_sam_15_dd_eigen_dit_correction_rms vs Slug



Right In: 699.971+/-0.189 χ^2/NDF: 753668.1/15

Left Out: 671.873+/-0.112 χ^2/NDF:397014.4/22

Right Out: 681.015+/-0.181 χ^2/NDF: 769400.5/18

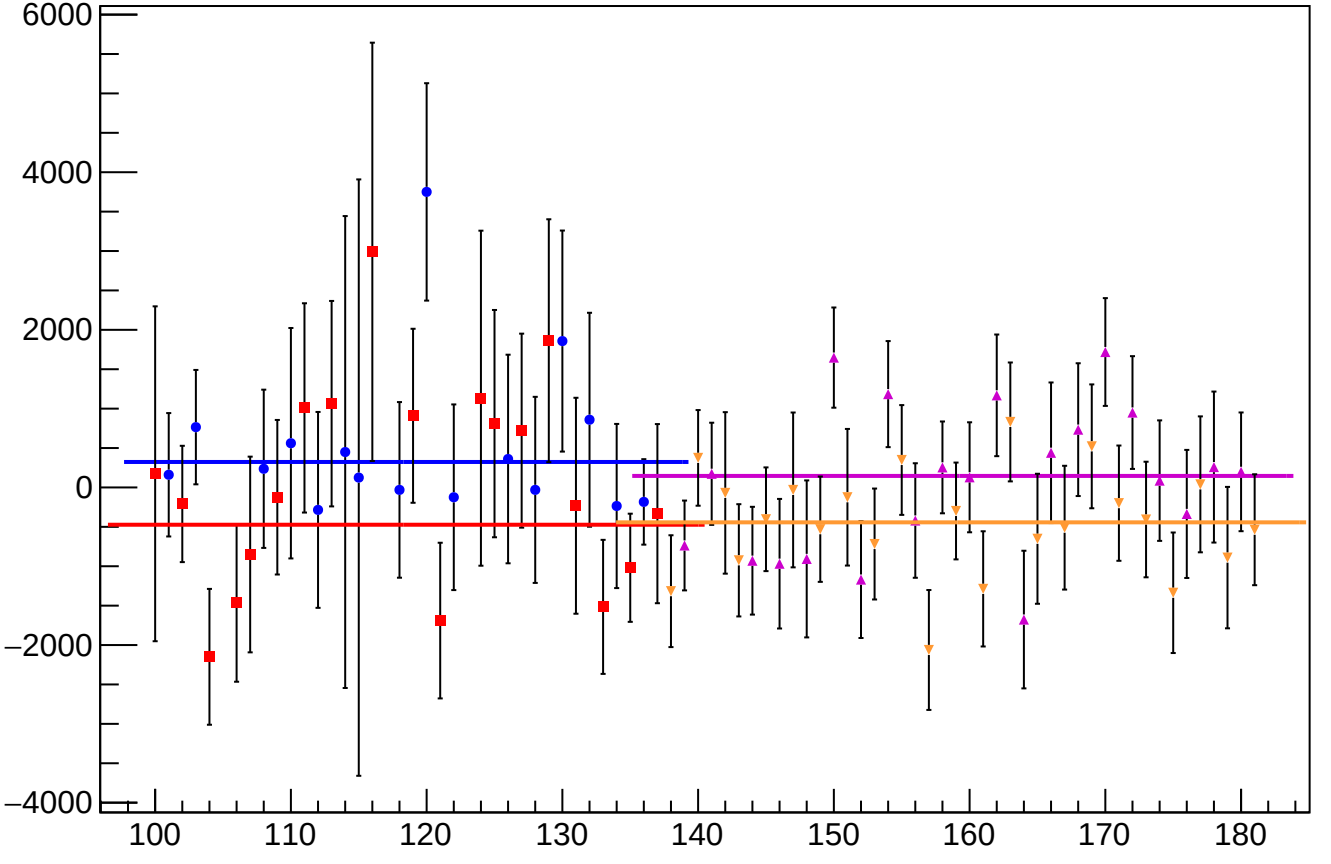
Left In: 668.783+/-0.115 χ^2/NDF:543829.0/20

\+ sign 679.163+/-0.096 χ^2/NDF: 1167022.8/38

All: 675.759+/-0.068 χ^2/NDF: 2486010.4/78

\- sign 672.293+/-0.097 χ^2/NDF: 1316468.8/39

asym_sam_15_dd_mean vs Slug



Right In: 323.198+/-262.332 χ^2/NDF: 9.7/15

Left Out: -442.972+/-155.452 χ^2/NDF:18.1/22

Right Out: -473.233+/-251.330 χ^2/NDF: 19.4/18

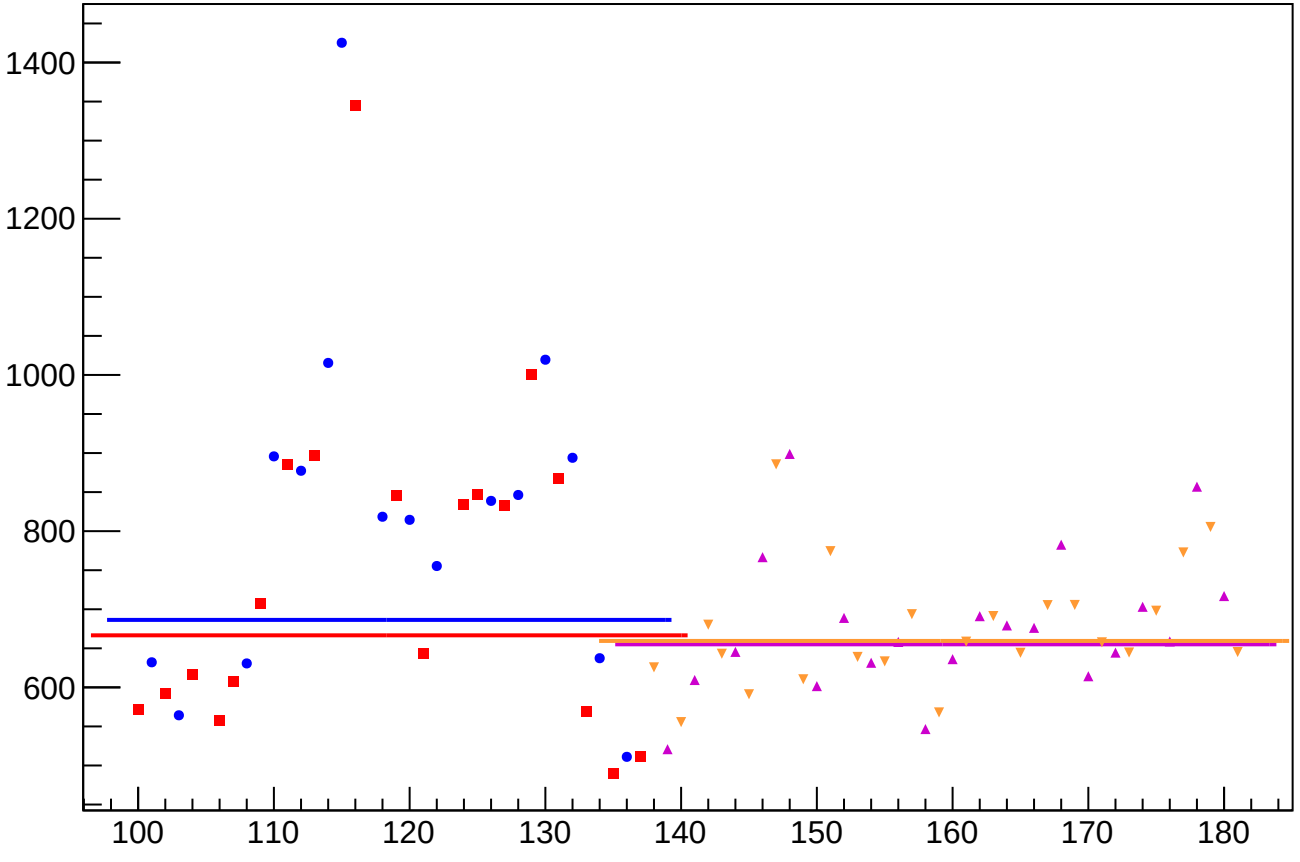
Left In: 146.161+/-159.508 χ^2/NDF:33.2/20

+ sign -243.854+/-133.735 χ^2/NDF: 34.1/38

All: -138.515+/-94.895 χ^2/NDF: 92.3/78

- sign -31.689+/-134.675 χ^2/NDF: 56.9/39

asym_sam_15_dd_rms vs Slug



Right In: 686.394+/-0.185 χ^2/NDF: 749454.8/15

Left Out: 659.455+/-0.110 χ^2/NDF:403566.2/22

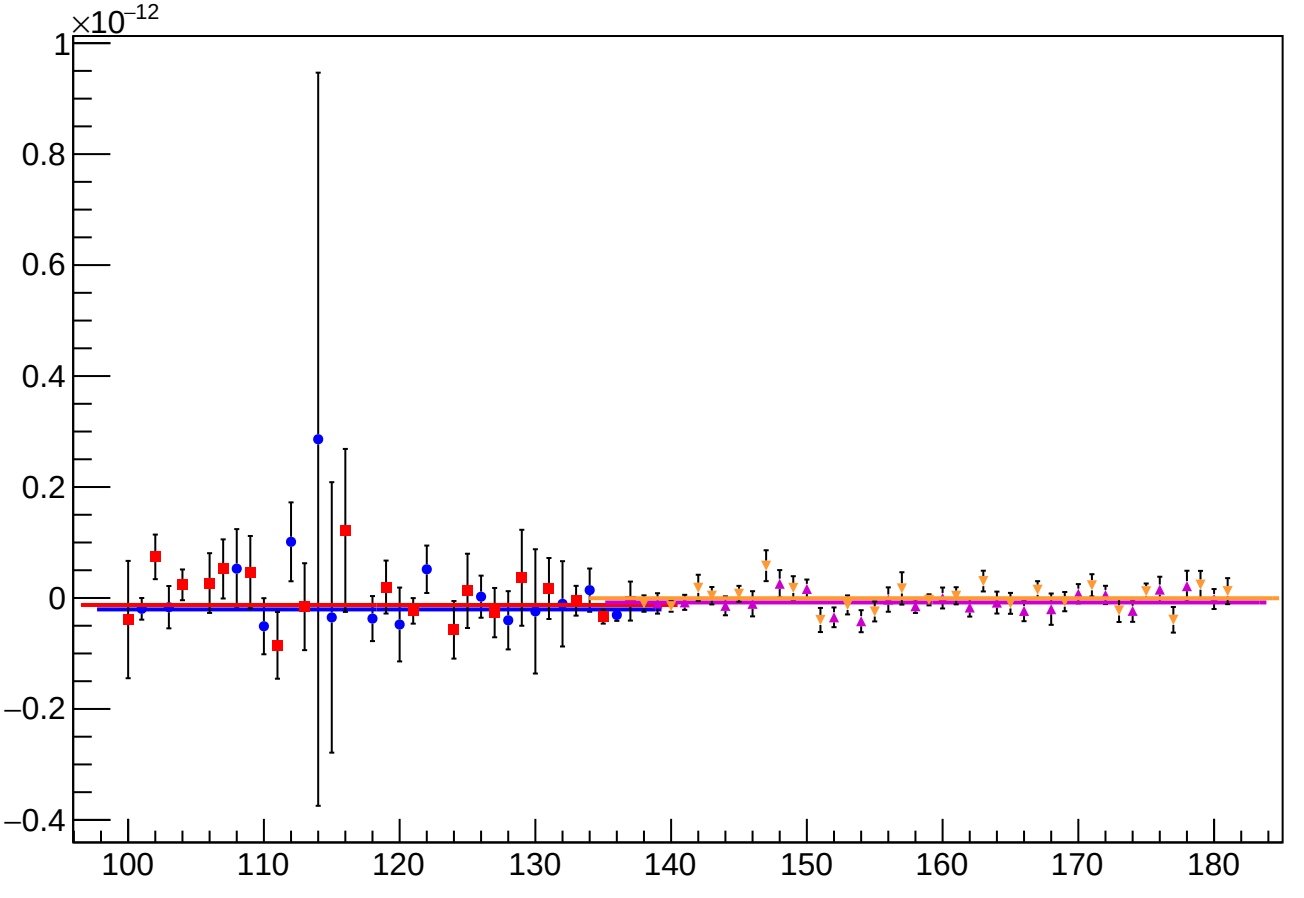
Right Out: 666.634+/-0.178 χ^2/NDF: 777033.6/18

Left In: 655.112+/-0.113 χ^2/NDF:540179.0/20

+ sign 666.456+/-0.095 χ^2/NDF: 1168631.0/38

All: 662.466+/-0.067 χ^2/NDF: 2492424.8/78

- sign 658.421+/-0.095 χ^2/NDF: 1320209.1/39



Right In: -0.000+/-0.000 χ^2/NDF: 10.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:26.2/22

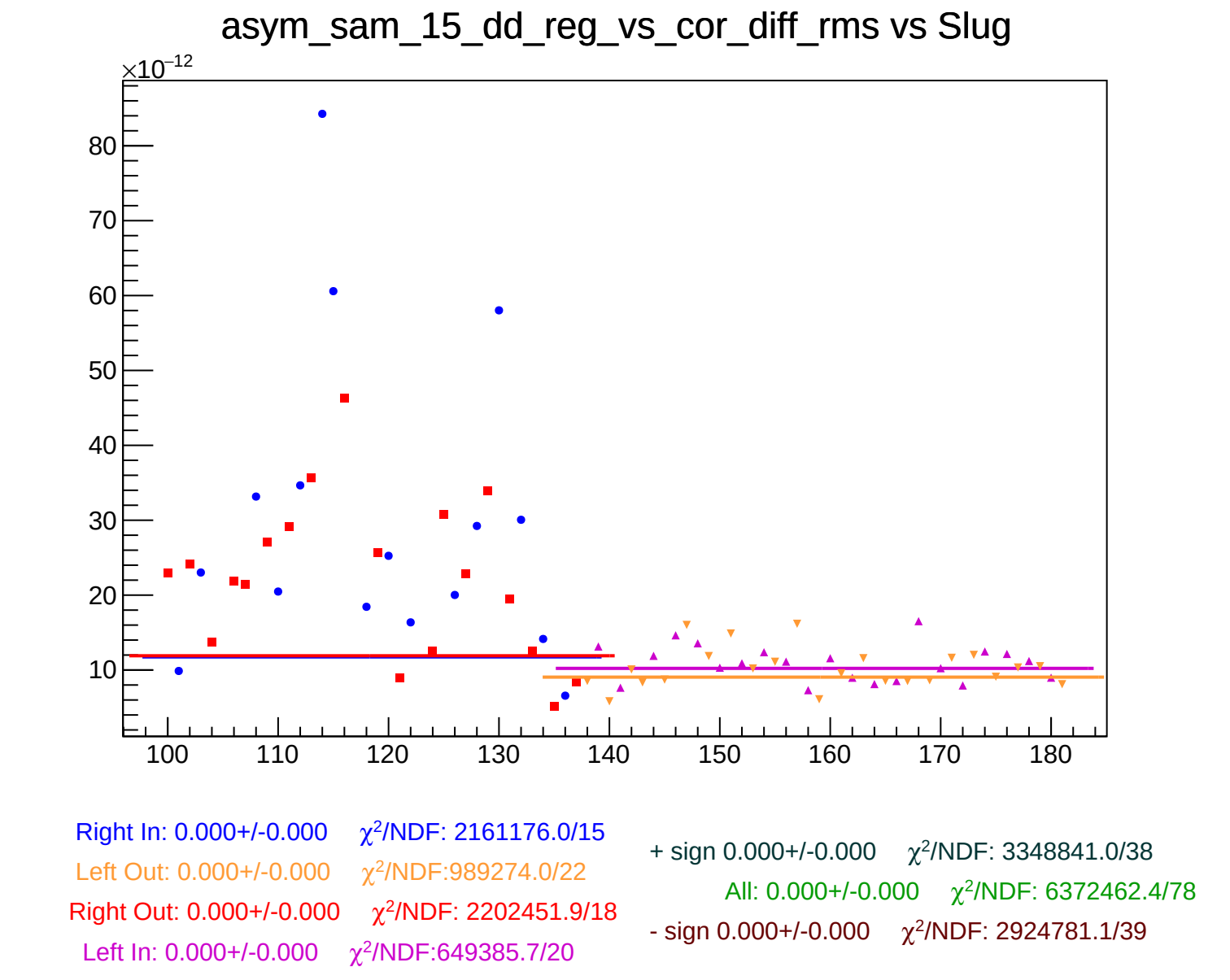
Right Out: -0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: -0.000+/-0.000 χ^2/NDF:15.3/20

+ sign -0.000+/-0.000 χ^2/NDF: 41.7/38

All: -0.000+/-0.000 χ^2/NDF: 75.5/78

- sign -0.000+/-0.000 χ^2/NDF: 32.6/39


asym_sam_15_dd_reg_vs_cor_diff_rms vs Slug
×10^−12
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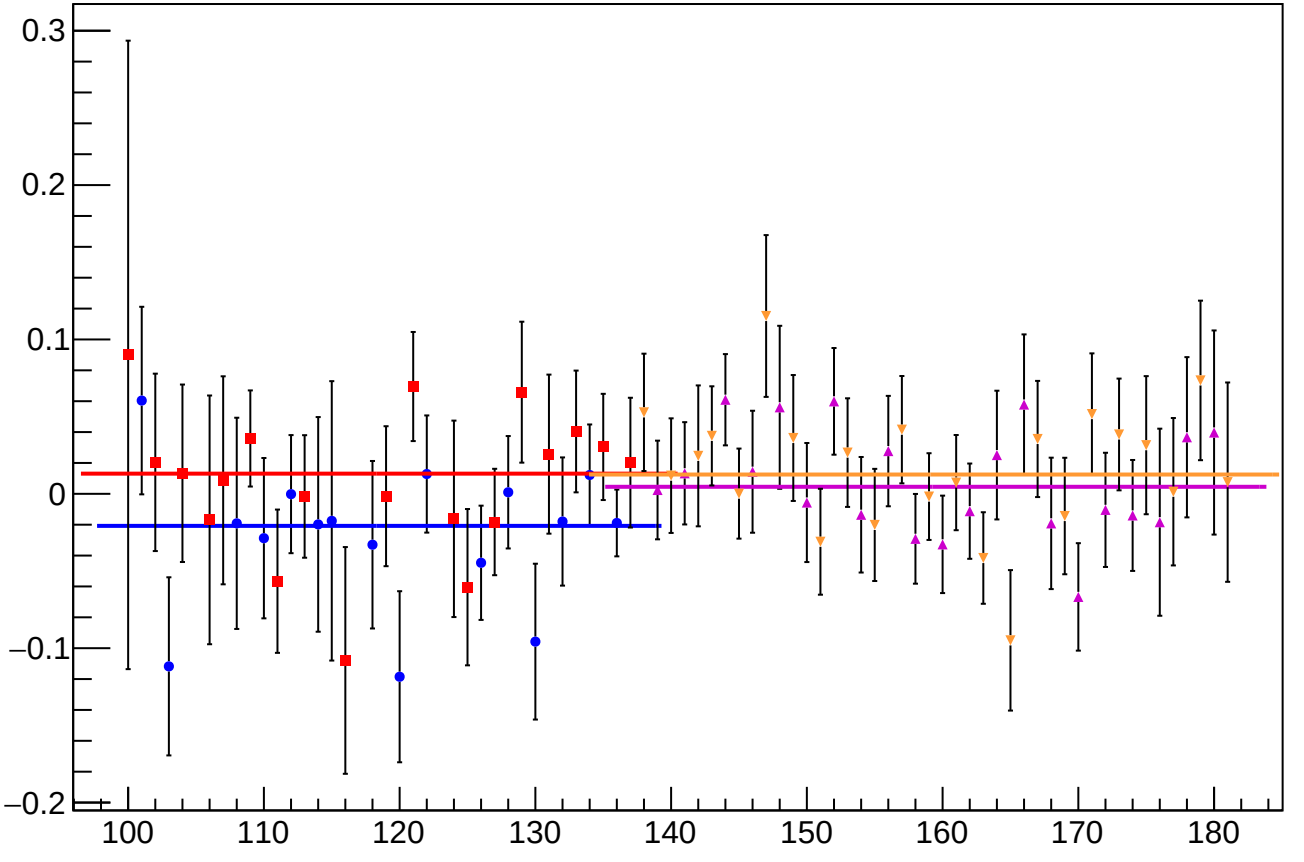
10
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2161176.0/15
Left Out: 0.000+/-0.000 χ²/NDF:989274.0/22
Right Out: 0.000+/-0.000 χ²/NDF: 2202451.9/18
Left In: 0.000+/-0.000 χ²/NDF:649385.7/20
+ sign 0.000+/-0.000 χ²/NDF: 3348841.0/38
All: 0.000+/-0.000 χ²/NDF: 6372462.4/78
- sign 0.000+/-0.000 χ²/NDF: 2924781.1/39

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:22.6/22

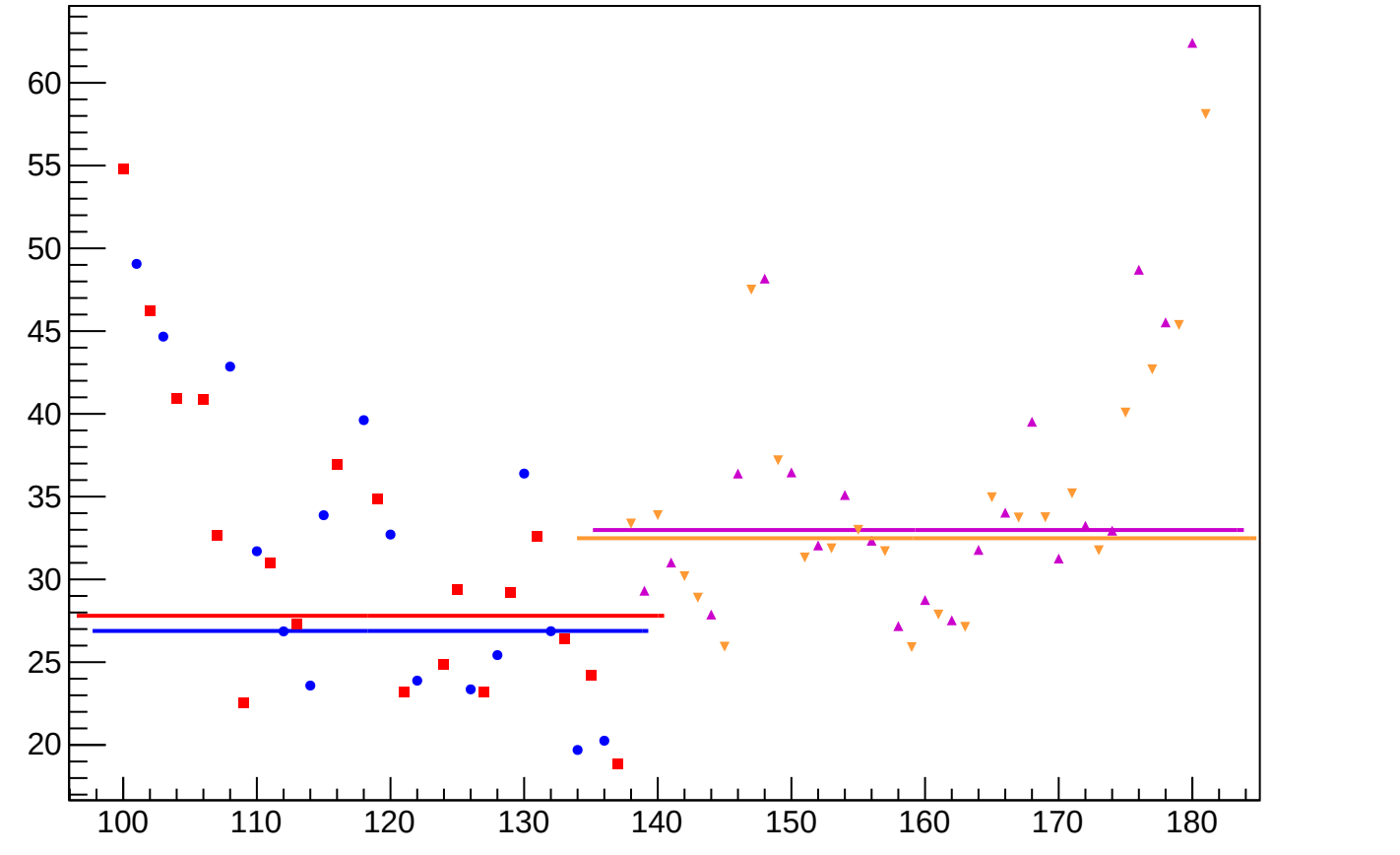
Right Out: 0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: 0.005+/-0.008 χ^2/NDF:18.4/20

+ sign 0.001+/-0.006 χ^2/NDF: 41.7/38

All: 0.004+/-0.004 χ^2/NDF: 75.0/78

- sign 0.008+/-0.006 χ^2/NDF: 32.7/39



Right In: 26.886+/-0.007 χ^2/NDF: 1120557.7/15

Left Out: 32.487+/-0.005 χ^2/NDF:1158694.4/22

Right Out: 27.802+/-0.007 χ^2/NDF: 763106.1/18

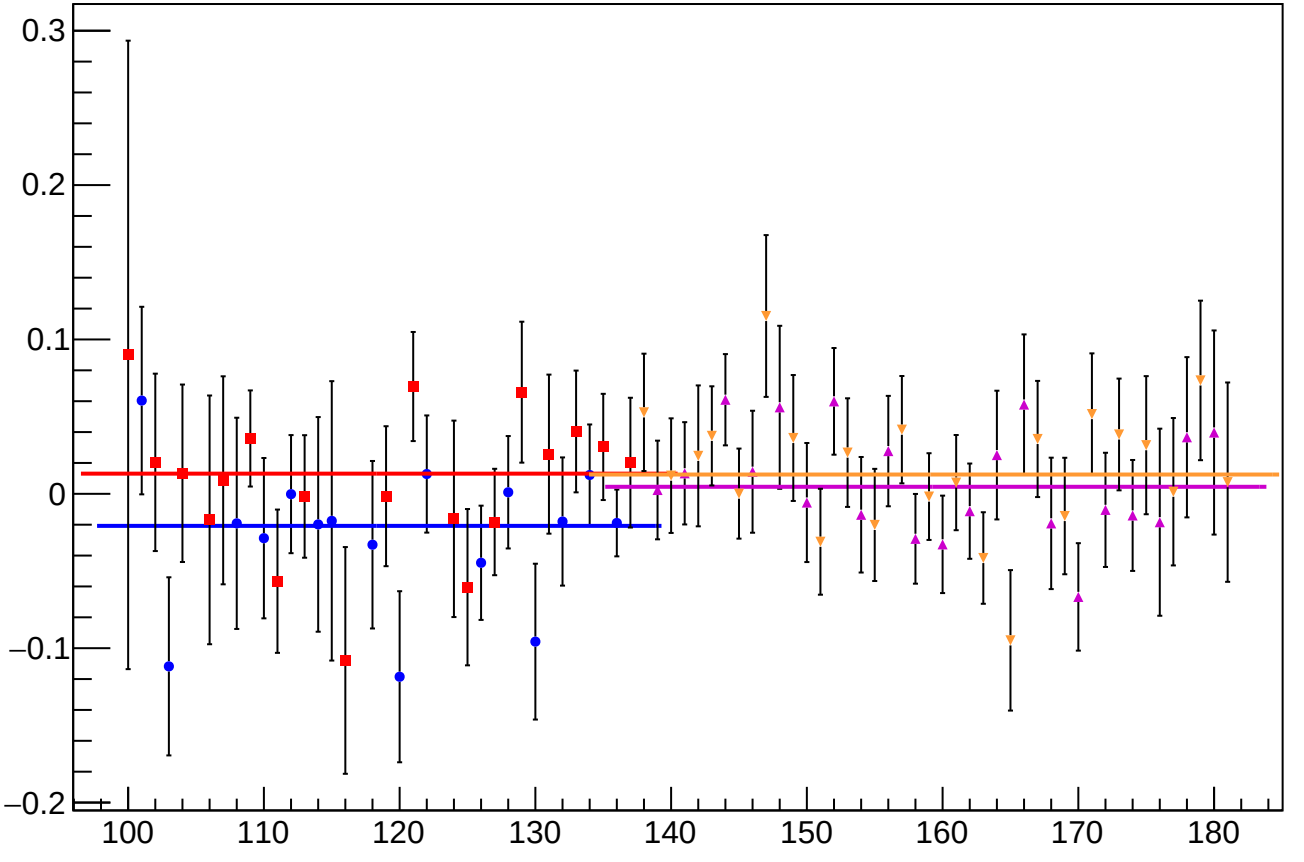
Left In: 32.983+/-0.006 χ^2/NDF:1179067.6/20

+ sign 30.507+/-0.004 χ^2/NDF: 2646604.2/38

All: 30.769+/-0.003 χ^2/NDF: 4898686.3/78

- sign 31.048+/-0.005 χ^2/NDF: 2244830.2/39

asym_sam_15_dd_dit_vs_eigen_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:22.6/22

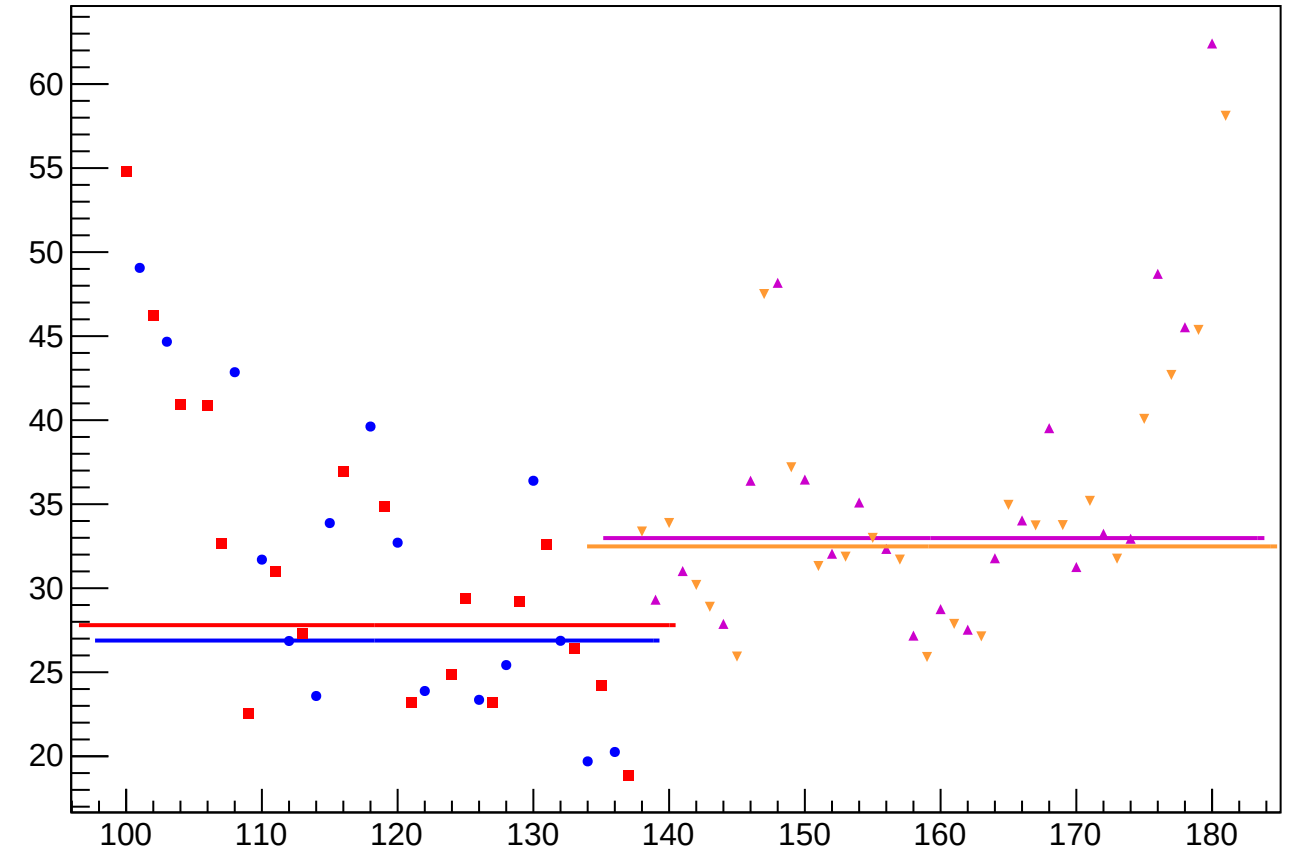
Right Out: 0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: 0.005+/-0.008 χ^2/NDF:18.4/20

+ sign 0.001+/-0.006 χ^2/NDF: 41.7/38

All: 0.004+/-0.004 χ^2/NDF: 75.0/78

- sign 0.008+/-0.006 χ^2/NDF: 32.7/39



Right In: 26.886+/-0.007 χ^2/NDF: 1120557.7/15

Left Out: 32.487+/-0.005 χ^2/NDF:1158694.4/22

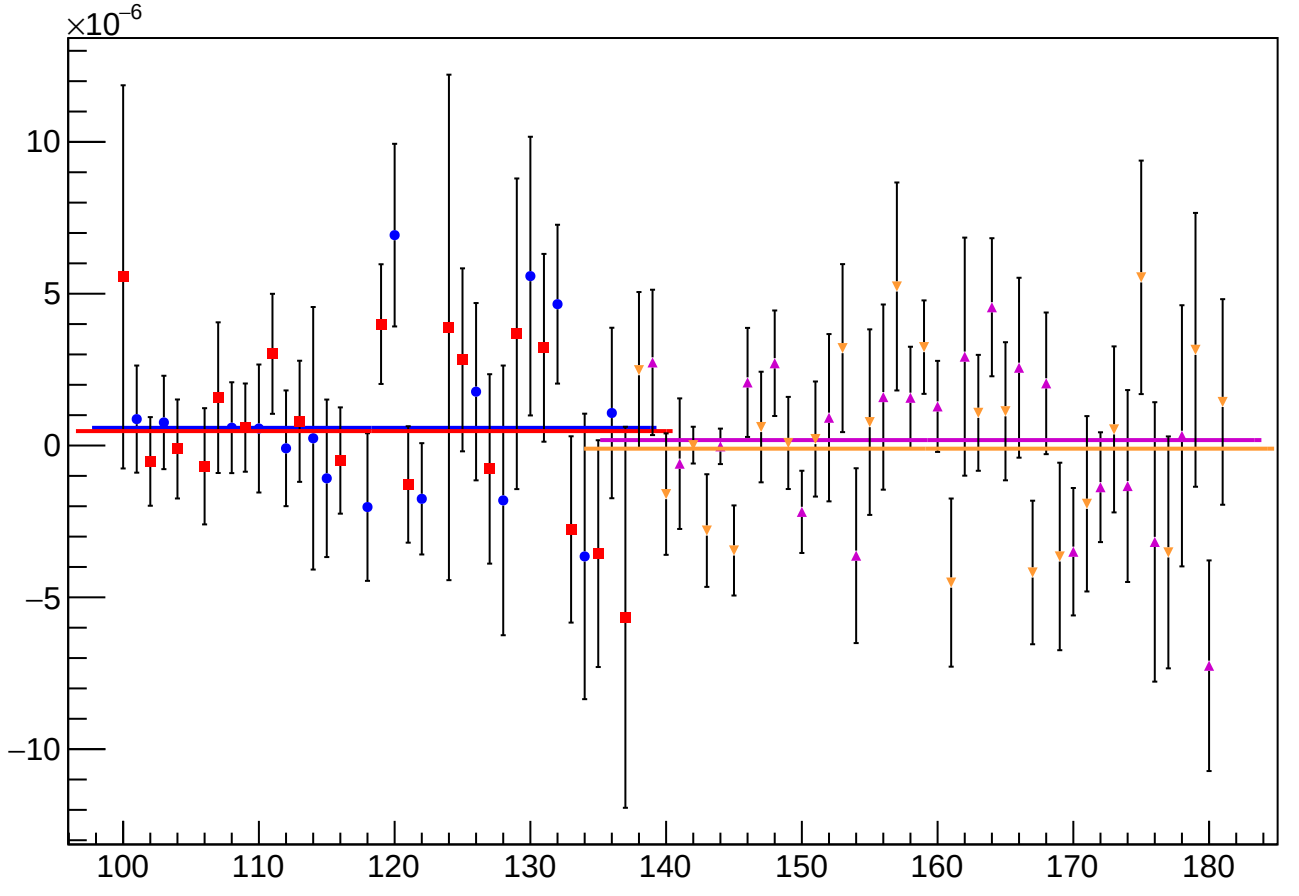
Right Out: 27.802+/-0.007 χ^2/NDF: 763106.1/18

Left In: 32.983+/-0.006 χ^2/NDF:1179067.6/20

+ sign 30.507+/-0.004 χ^2/NDF: 2646604.2/38

All: 30.769+/-0.003 χ^2/NDF: 4898686.3/78

- sign 31.048+/-0.005 χ^2/NDF: 2244830.2/39



Right In: 0.000+/-0.000 χ^2/NDF: 12.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:29.3/22

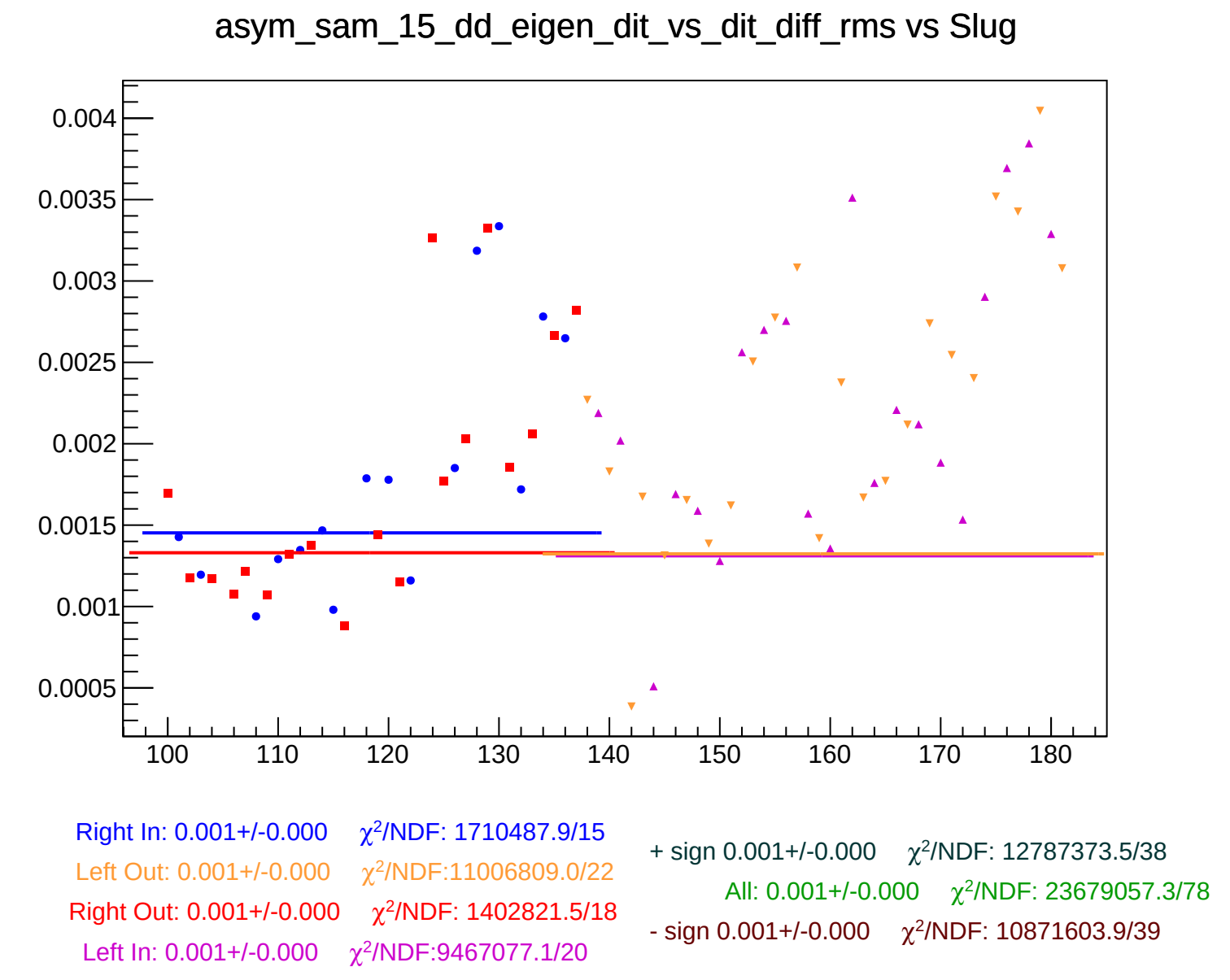
Right Out: 0.000+/-0.000 χ^2/NDF: 13.2/18

Left In: 0.000+/-0.000 χ^2/NDF:25.6/20

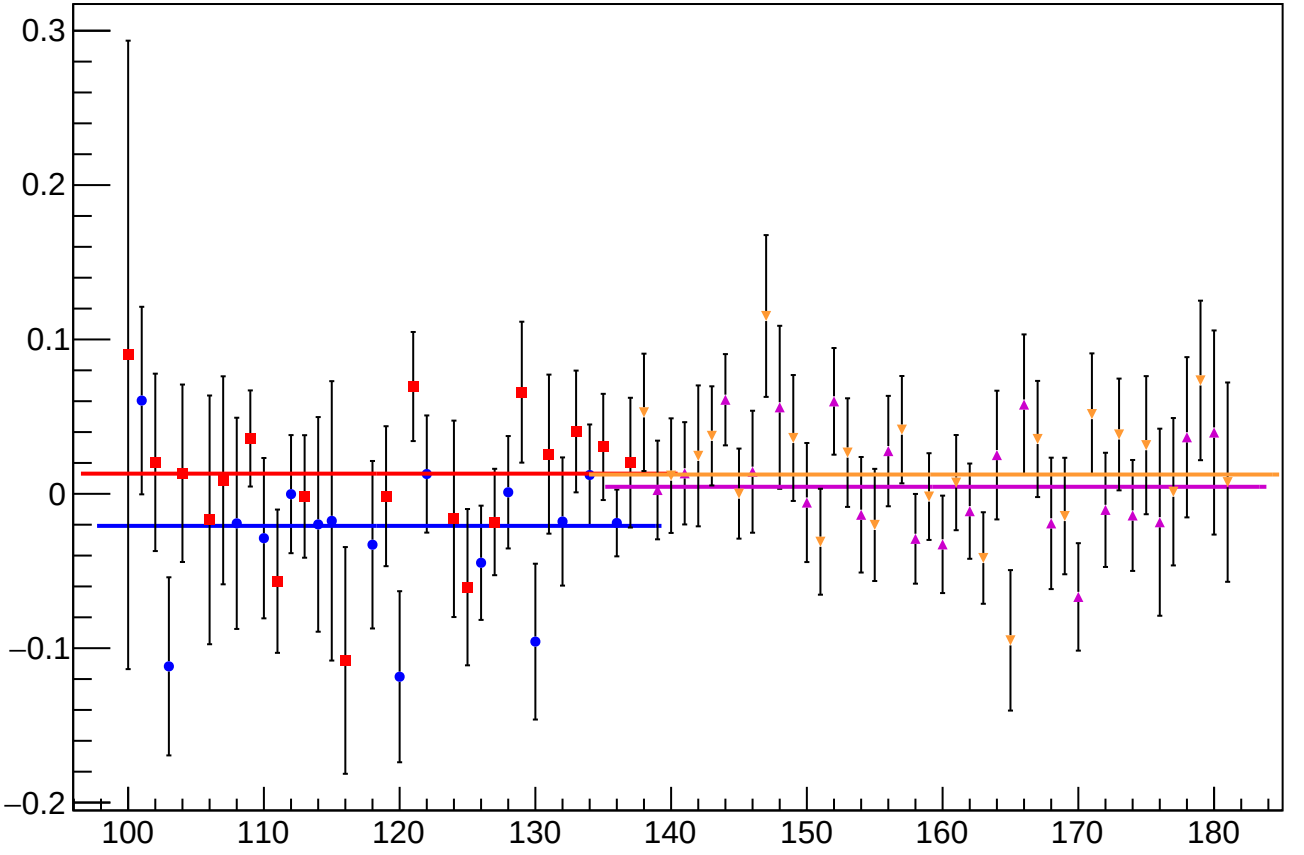
+ sign 0.000+/-0.000 χ^2/NDF: 43.0/38

All: 0.000+/-0.000 χ^2/NDF: 82.2/78

- sign 0.000+/-0.000 χ^2/NDF: 39.0/39


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:11006809.0/22
Right Out: 0.001+/-0.000 χ²/NDF: 1402821.5/18
Left In: 0.001+/-0.000 χ²/NDF:9467077.1/20
+ sign 0.001+/-0.000 χ²/NDF: 12787373.5/38
All: 0.001+/-0.000 χ²/NDF: 23679057.3/78
- sign 0.001+/-0.000 χ²/NDF: 10871603.9/39

asym_sam_15_dd_eigen_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:22.6/22

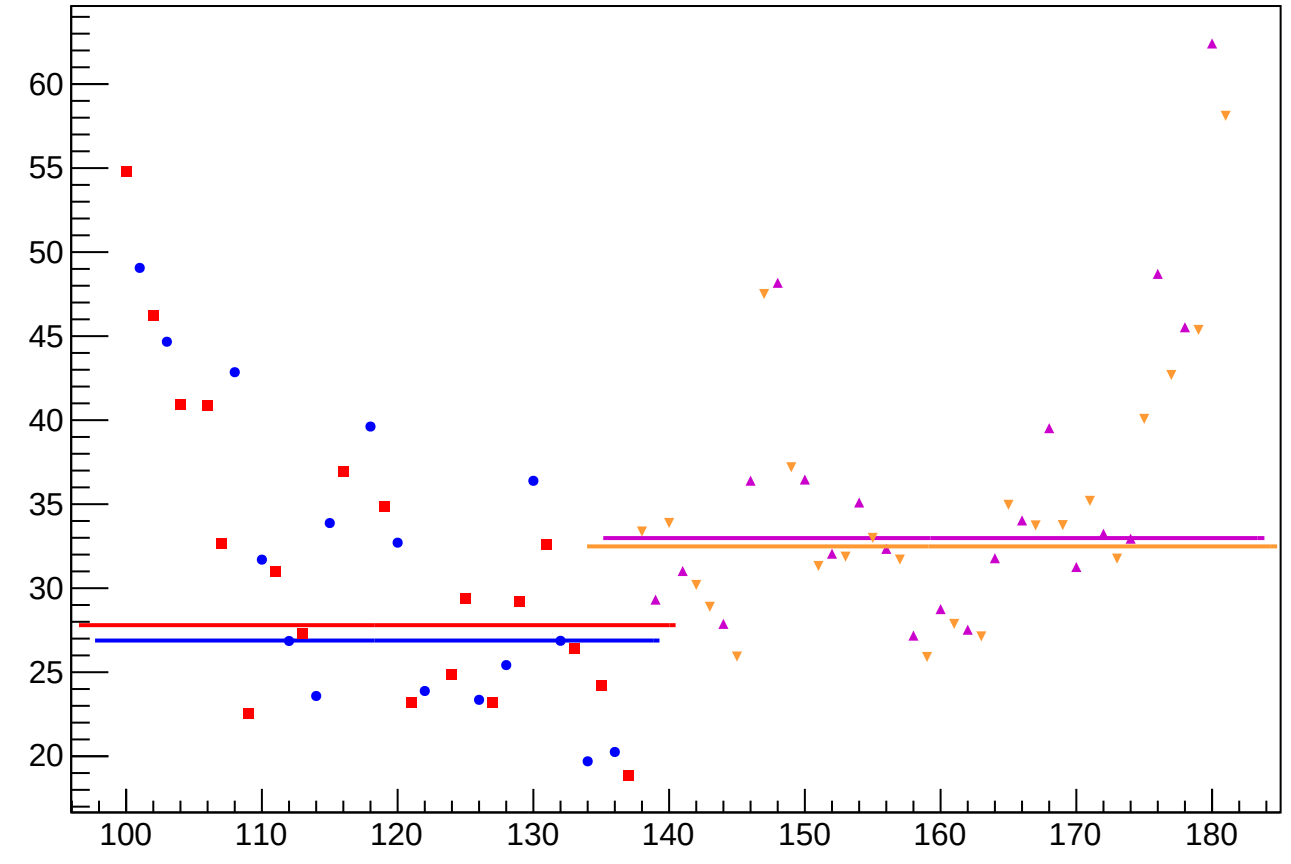
Right Out: 0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: 0.005+/-0.008 χ^2/NDF:18.4/20

+ sign 0.001+/-0.006 χ^2/NDF: 41.7/38

All: 0.004+/-0.004 χ^2/NDF: 75.0/78

- sign 0.008+/-0.006 χ^2/NDF: 32.7/39



Right In: 26.885+/-0.007 χ^2/NDF: 1120567.7/15

Left Out: 32.487+/-0.005 χ^2/NDF:1158761.7/22

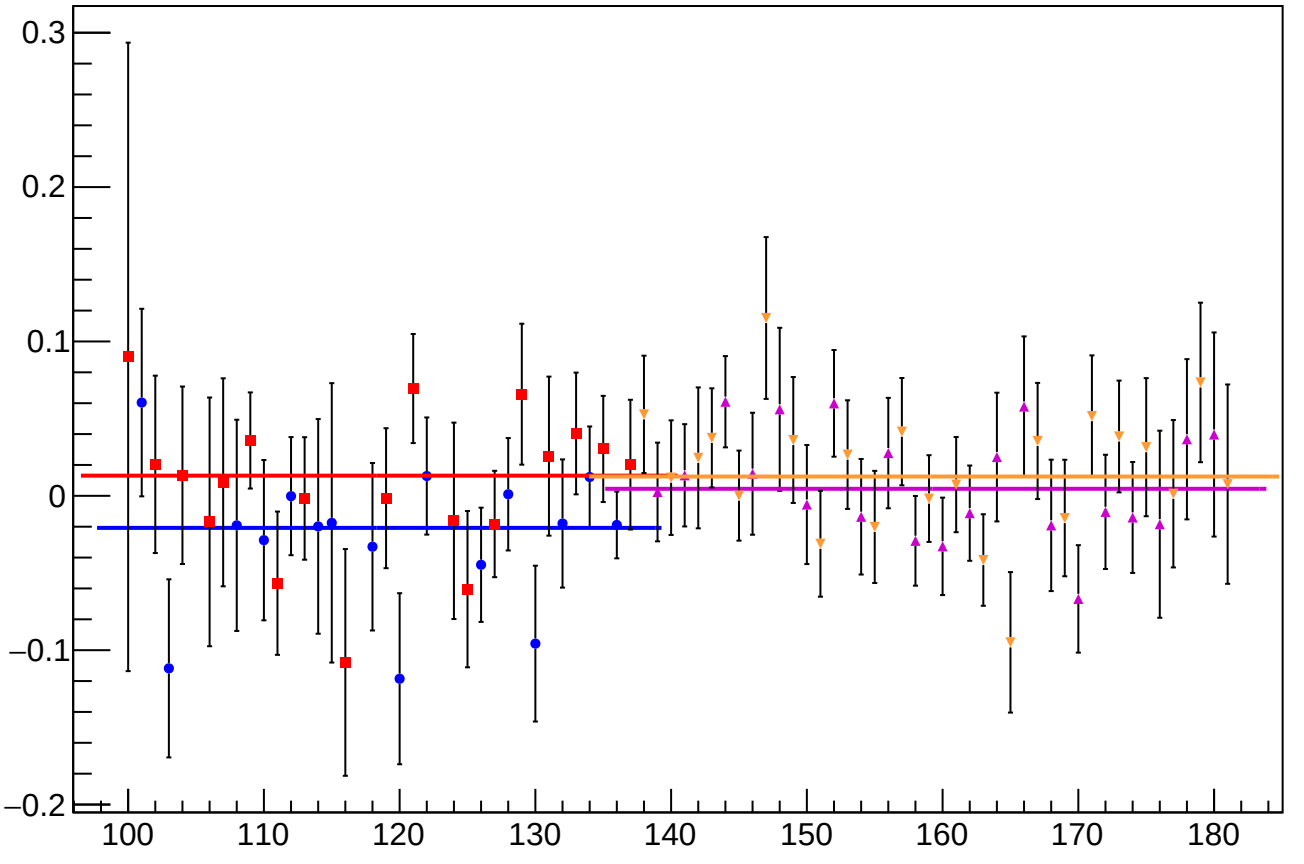
Right Out: 27.800+/-0.007 χ^2/NDF: 763213.5/18

Left In: 32.983+/-0.006 χ^2/NDF:1179136.6/20

+ sign 30.507+/-0.004 χ^2/NDF: 2646801.8/38

All: 30.769+/-0.003 χ^2/NDF: 4899232.5/78

- sign 31.047+/-0.005 χ^2/NDF: 2245183.2/39



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.013+/-0.008 χ^2/NDF:22.6/22

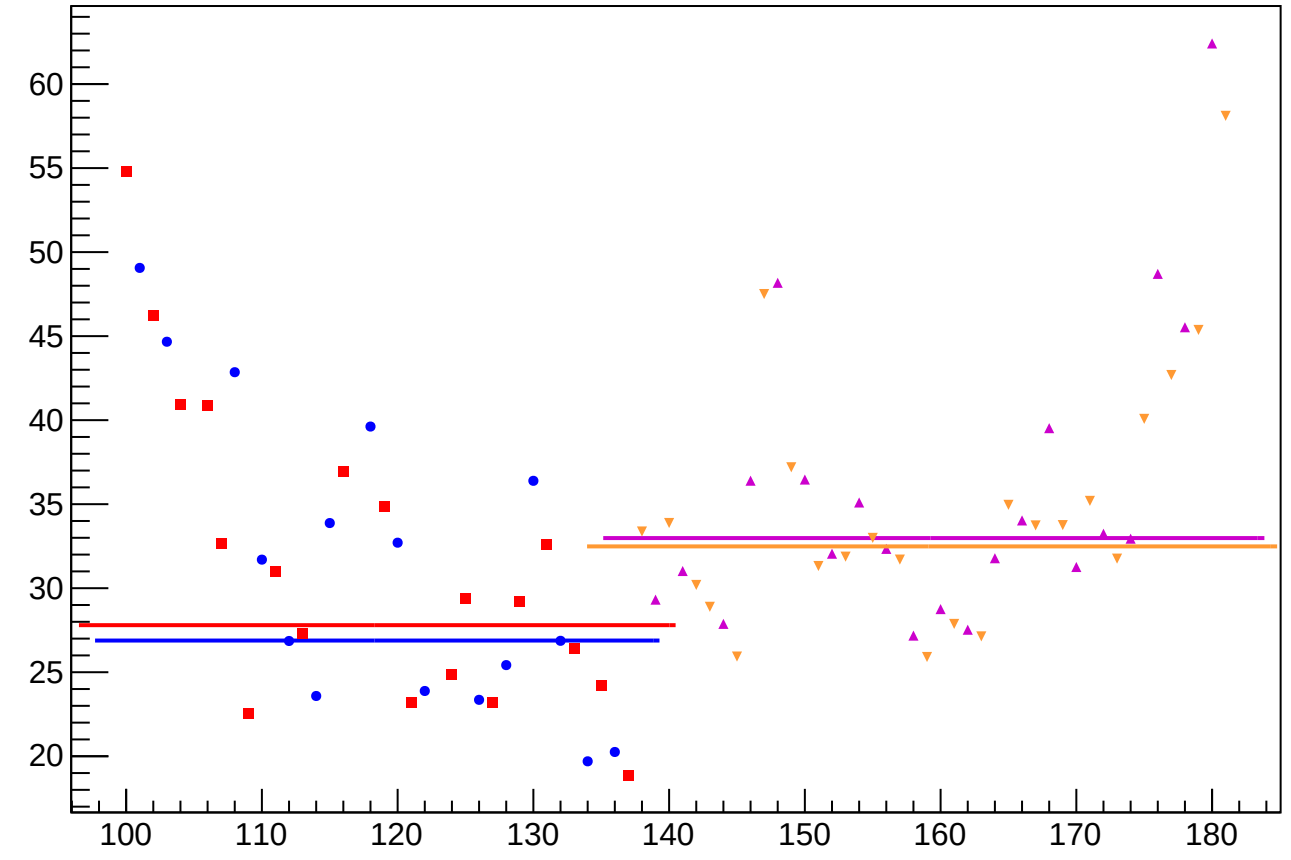
Right Out: 0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: 0.005+/-0.008 χ^2/NDF:18.4/20

+ sign 0.001+/-0.006 χ^2/NDF: 41.7/38

All: 0.004+/-0.004 χ^2/NDF: 75.0/78

- sign 0.008+/-0.006 χ^2/NDF: 32.7/39



Right In: 26.885+/-0.007 χ^2/NDF: 1120567.7/15

Left Out: 32.487+/-0.005 χ^2/NDF:1158761.7/22

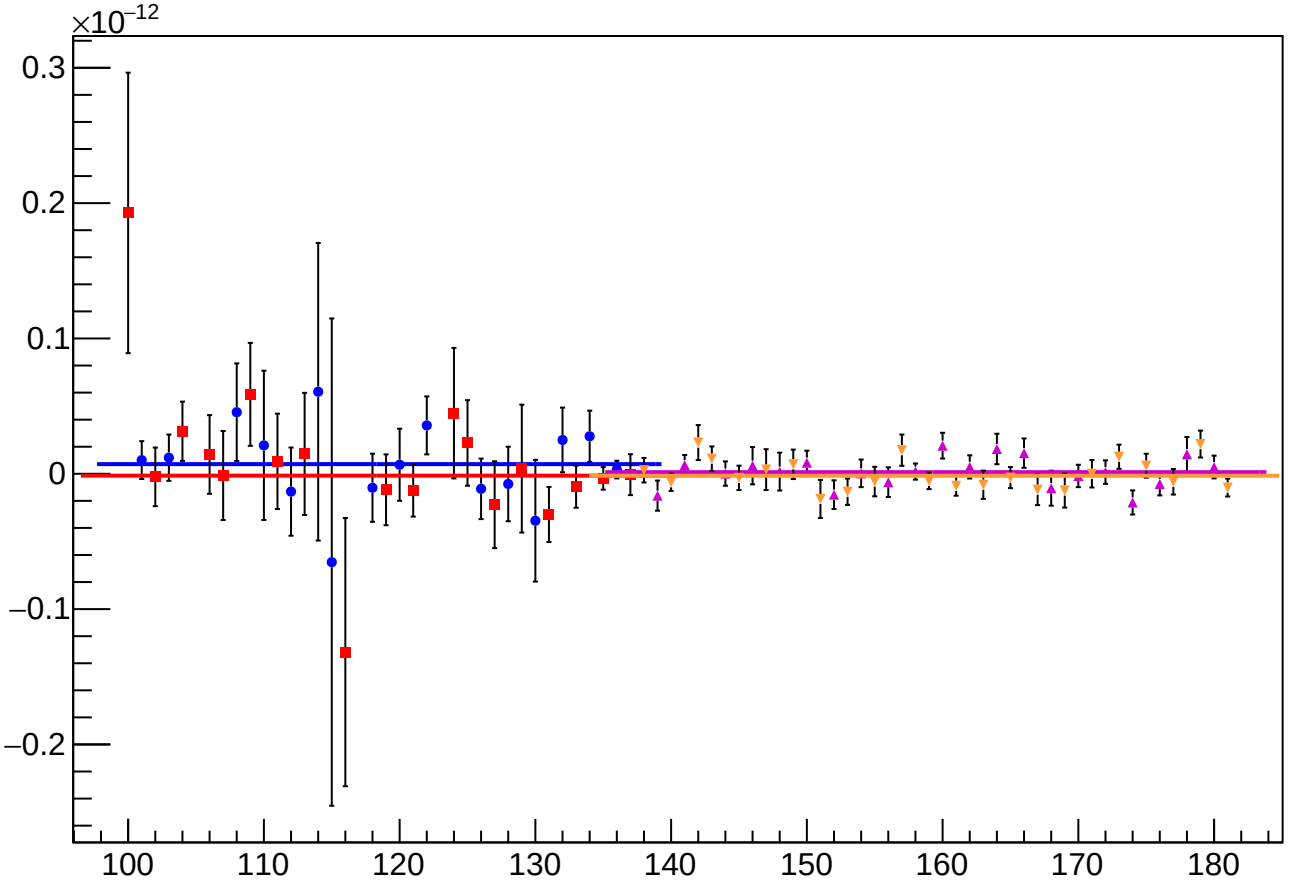
Right Out: 27.800+/-0.007 χ^2/NDF: 763213.5/18

Left In: 32.983+/-0.006 χ^2/NDF:1179136.6/20

\+ sign 30.507+/-0.004 χ^2/NDF: 2646801.8/38

All: 30.769+/-0.003 χ^2/NDF: 4899232.5/78

\- sign 31.047+/-0.005 χ^2/NDF: 2245183.2/39



Right In: 0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:26.9/22

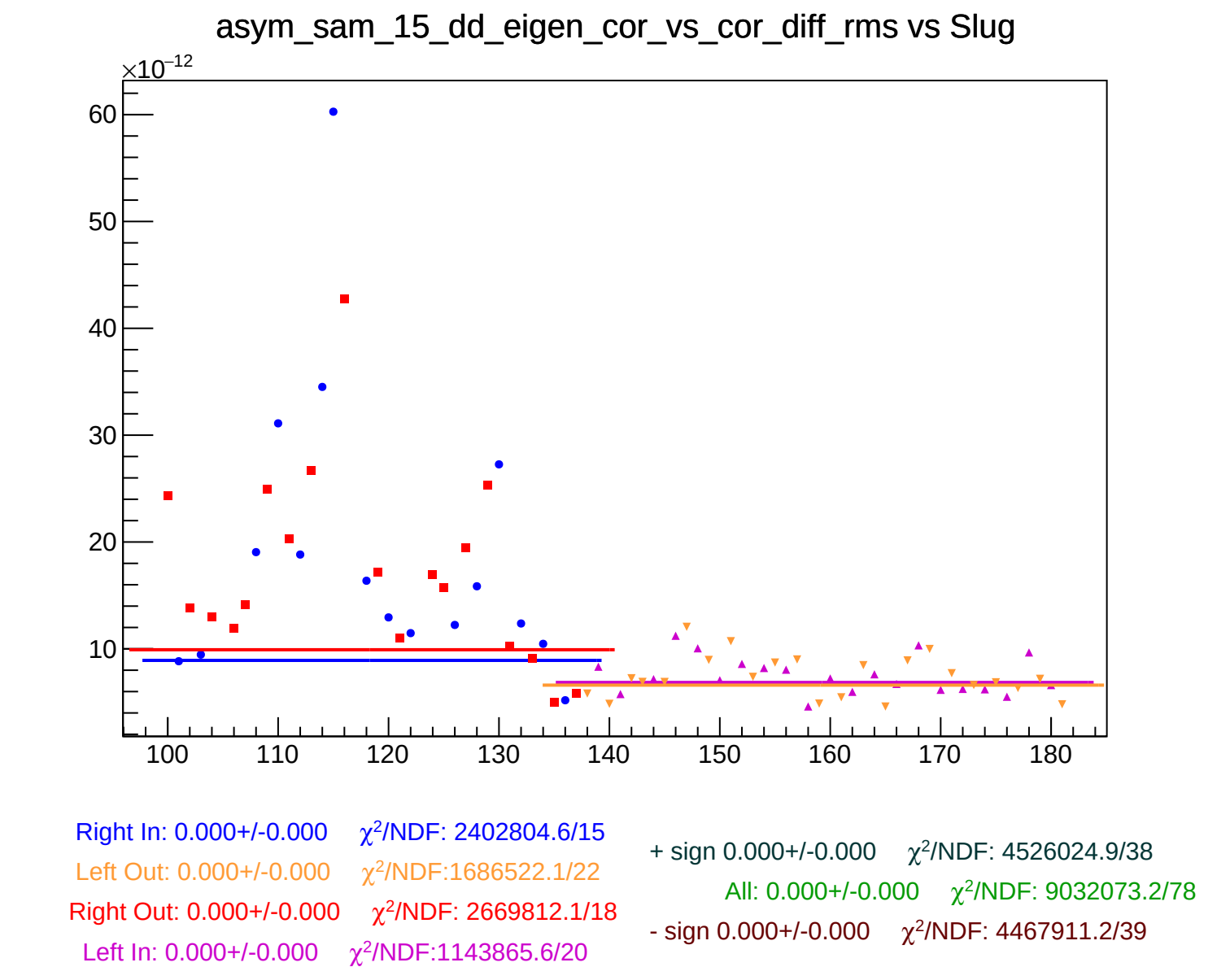
Right Out: -0.000+/-0.000 χ^2/NDF: 15.2/18

Left In: 0.000+/-0.000 χ^2/NDF:24.6/20

+ sign -0.000+/-0.000 χ^2/NDF: 38.2/38

All: 0.000+/-0.000 χ^2/NDF: 78.5/78

- sign 0.000+/-0.000 χ^2/NDF: 40.1/39


asym_sam_15_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
60
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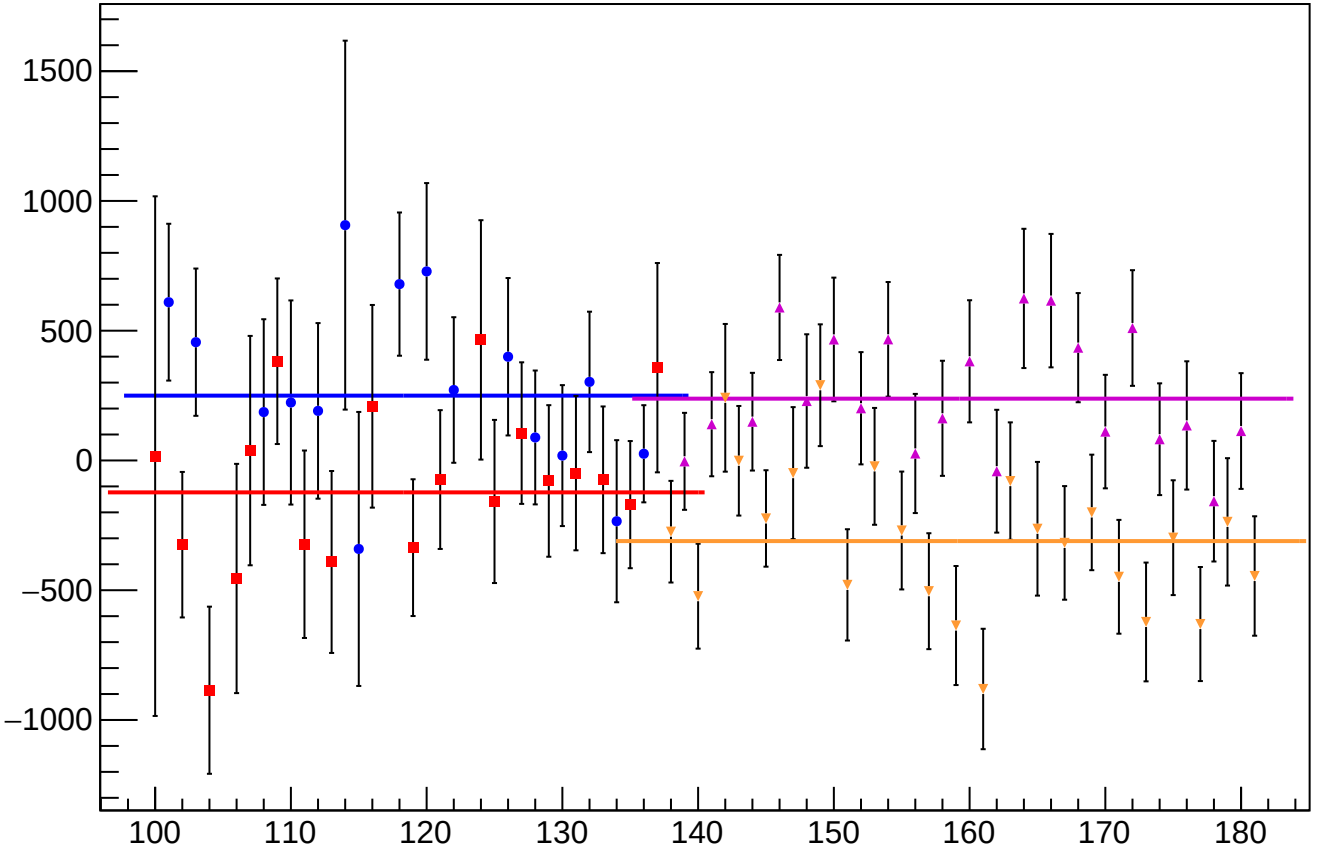
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2402804.6/15
Left Out: 0.000+/-0.000 χ²/NDF:1686522.1/22
Right Out: 0.000+/-0.000 χ²/NDF: 2669812.1/18
Left In: 0.000+/-0.000 χ²/NDF:1143865.6/20
+ sign 0.000+/-0.000 χ²/NDF: 4526024.9/38
All: 0.000+/-0.000 χ²/NDF: 9032073.2/78
- sign 0.000+/-0.000 χ²/NDF: 4467911.2/39

reg_asym_sam_26_dd_mean vs Slug



Right In: 249.761+/-74.877 χ^2/NDF: 13.8/15

Left Out: -310.710+/-46.697 χ^2/NDF:32.1/22

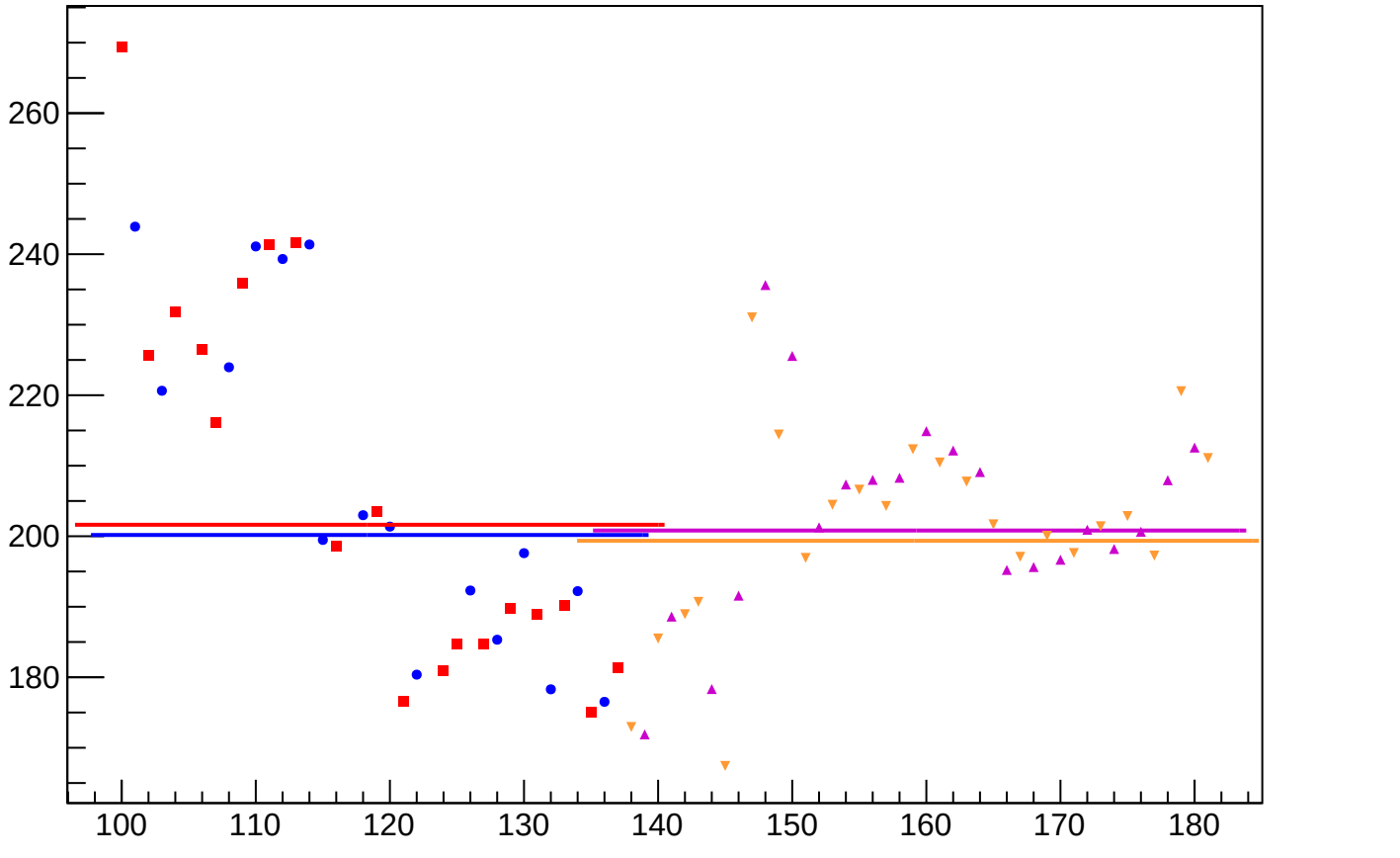
Right Out: -122.993+/-74.370 χ^2/NDF: 15.6/18

Left In: 238.115+/-48.497 χ^2/NDF:20.7/20

+ sign -153.762+/-39.623 χ^2/NDF: 86.2/38

All: -15.234+/-28.365 χ^2/NDF: 164.1/78

- sign 130.372+/-40.623 χ^2/NDF: 52.8/39



Right In: 200.177+/-0.053 χ^2/NDF: 181001.3/15

Left Out: 199.353+/-0.033 χ^2/NDF:189683.0/22

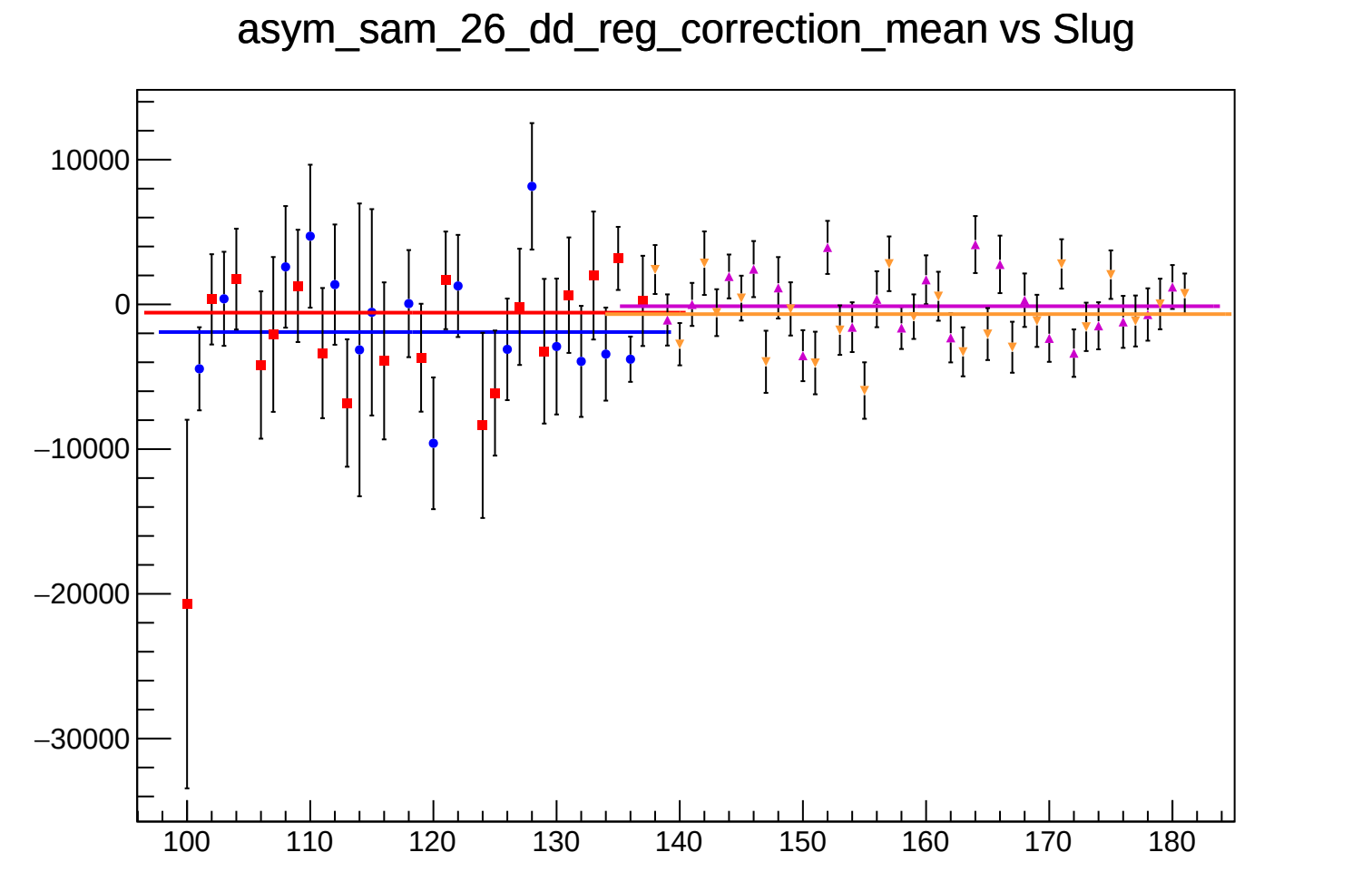
Right Out: 201.627+/-0.053 χ^2/NDF: 197245.7/18

Left In: 200.811+/-0.034 χ^2/NDF:176508.3/20

+ sign 199.583+/-0.028 χ^2/NDF: 370858.8/38

All: 200.301+/-0.020 χ^2/NDF: 746125.6/78

- sign 201.054+/-0.029 χ^2/NDF: 373923.0/39



Right In: -1910.348+/-859.088 χ^2/NDF: 16.3/15

Left Out: -671.850+/-359.880 χ^2/NDF:38.0/22

Right Out: -570.946+/-900.451 χ^2/NDF: 14.6/18

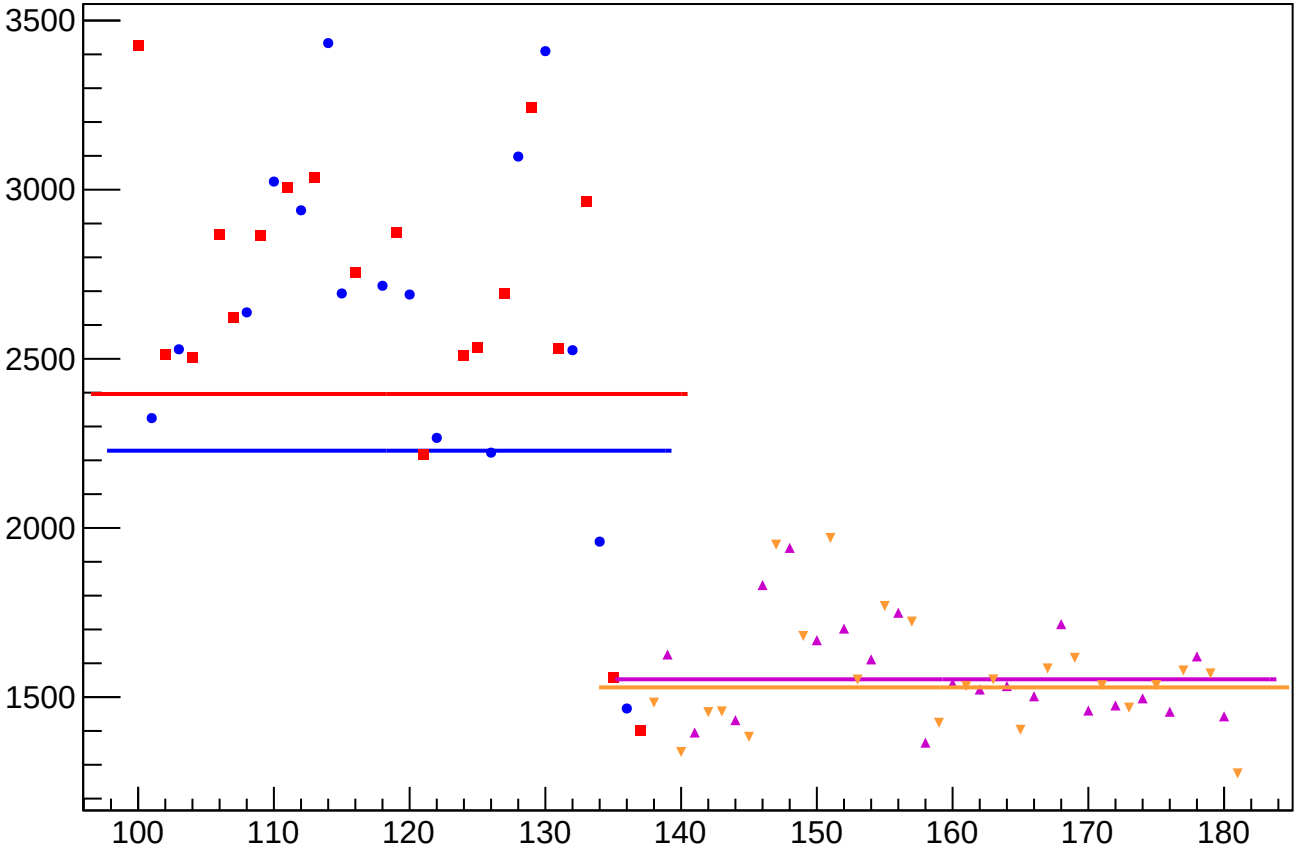
Left In: -125.995+/-376.017 χ^2/NDF:32.1/20

+ sign -856.742+/-331.932 χ^2/NDF: 56.0/38

All: -539.128+/-239.855 χ^2/NDF: 104.9/78

- sign -192.064+/-346.979 χ^2/NDF: 47.0/39

asym_sam_26_dd_reg_correction_rms vs Slug



Right In: 2228.431+/-0.607 χ^2/NDF: 947654.8/15

Left Out: 1528.788+/-0.254 χ^2/NDF:384281.2/22

Right Out: 2396.080+/-0.637 χ^2/NDF: 799442.5/18

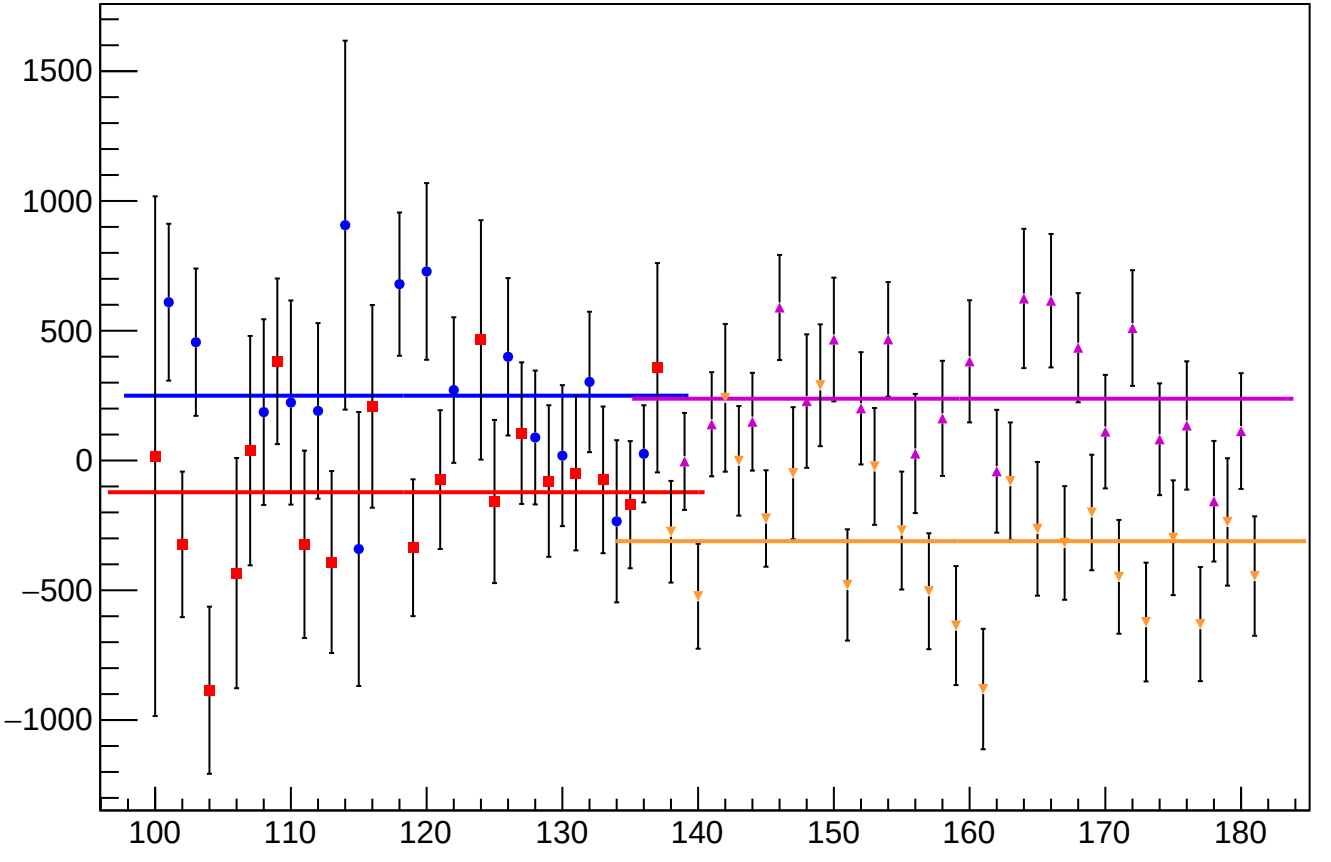
Left In: 1552.633+/-0.266 χ^2/NDF:275025.1/20

+ sign 1633.236+/-0.235 χ^2/NDF: 2460408.1/38

All: 1654.566+/-0.170 χ^2/NDF: 5046384.4/78

- sign 1677.873+/-0.245 χ^2/NDF: 2568693.5/39

cor_asym_sam_26_dd_mean vs Slug



Right In: 249.764+/-74.877 χ^2/NDF: 13.8/15

Left Out: -310.711+/-46.697 χ^2/NDF:32.1/22

Right Out: -122.210+/-74.380 χ^2/NDF: 15.5/18

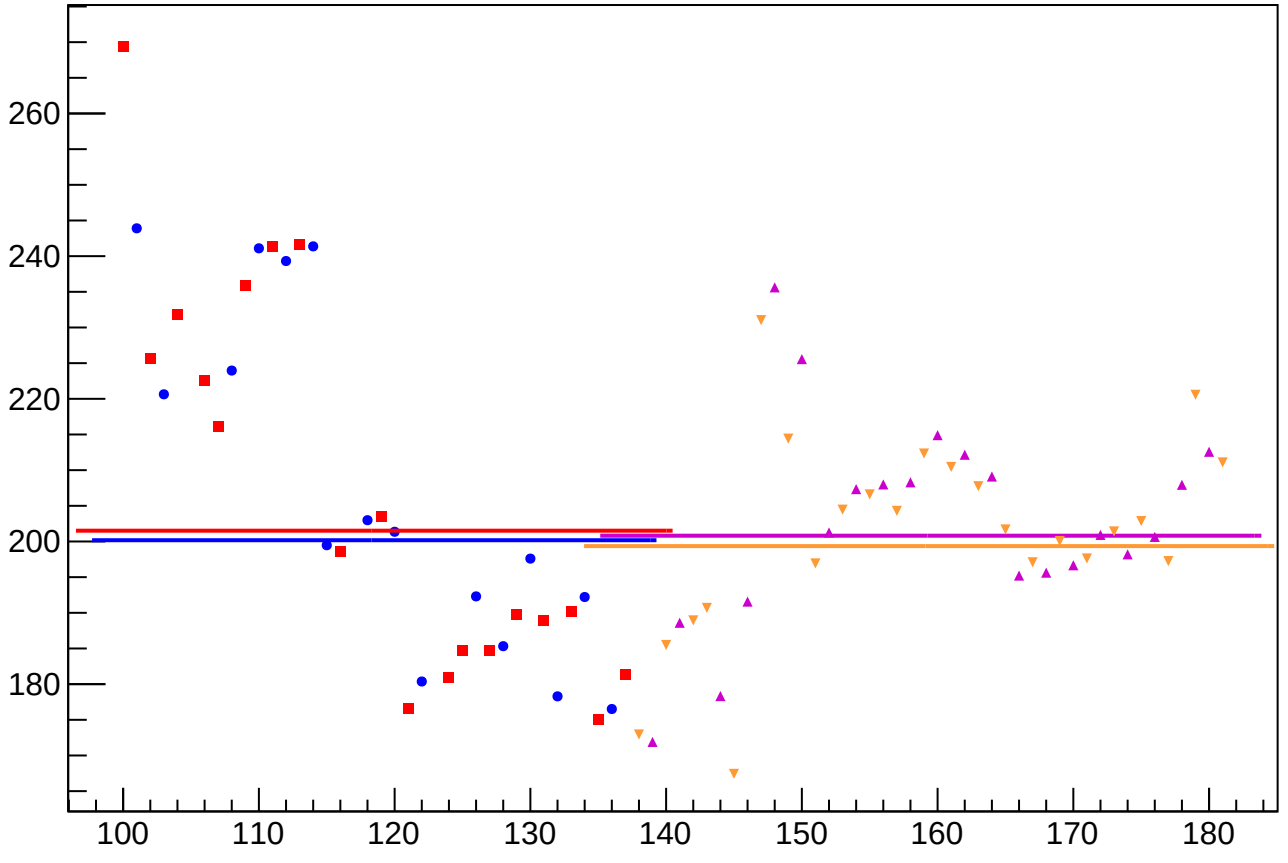
Left In: 238.121+/-48.497 χ^2/NDF:20.7/20

+ sign -153.762+/-39.623 χ^2/NDF: 86.2/38

All: -15.114+/-28.365 χ^2/NDF: 164.0/78

- sign 130.631+/-40.625 χ^2/NDF: 52.7/39

cor_asym_sam_26_dd_rms vs Slug



Right In: 200.177+/-0.053 χ^2/NDF: 181001.6/15

Left Out: 199.353+/-0.033 χ^2/NDF:189683.1/22

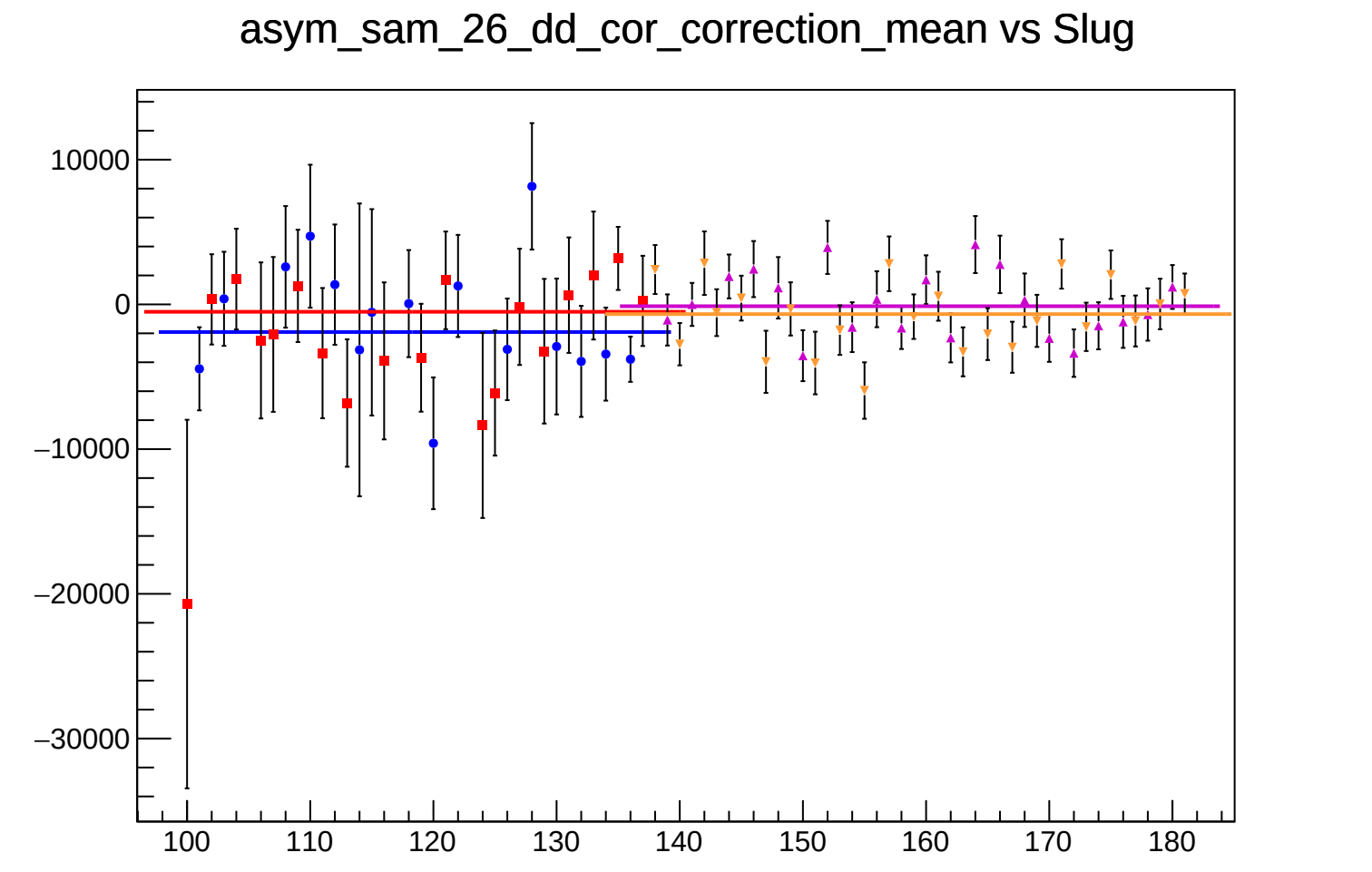
Right Out: 201.514+/-0.053 χ^2/NDF: 195431.2/18

Left In: 200.811+/-0.034 χ^2/NDF:176508.3/20

+ sign 199.583+/-0.028 χ^2/NDF: 370859.2/38

All: 200.284+/-0.020 χ^2/NDF: 744207.0/78

- sign 201.021+/-0.029 χ^2/NDF: 372065.0/39



Right In: -1910.310+/-859.089 χ^2/NDF: 16.3/15

Left Out: -671.851+/-359.880 χ^2/NDF:38.0/22

Right Out: -511.276+/-902.014 χ^2/NDF: 14.2/18

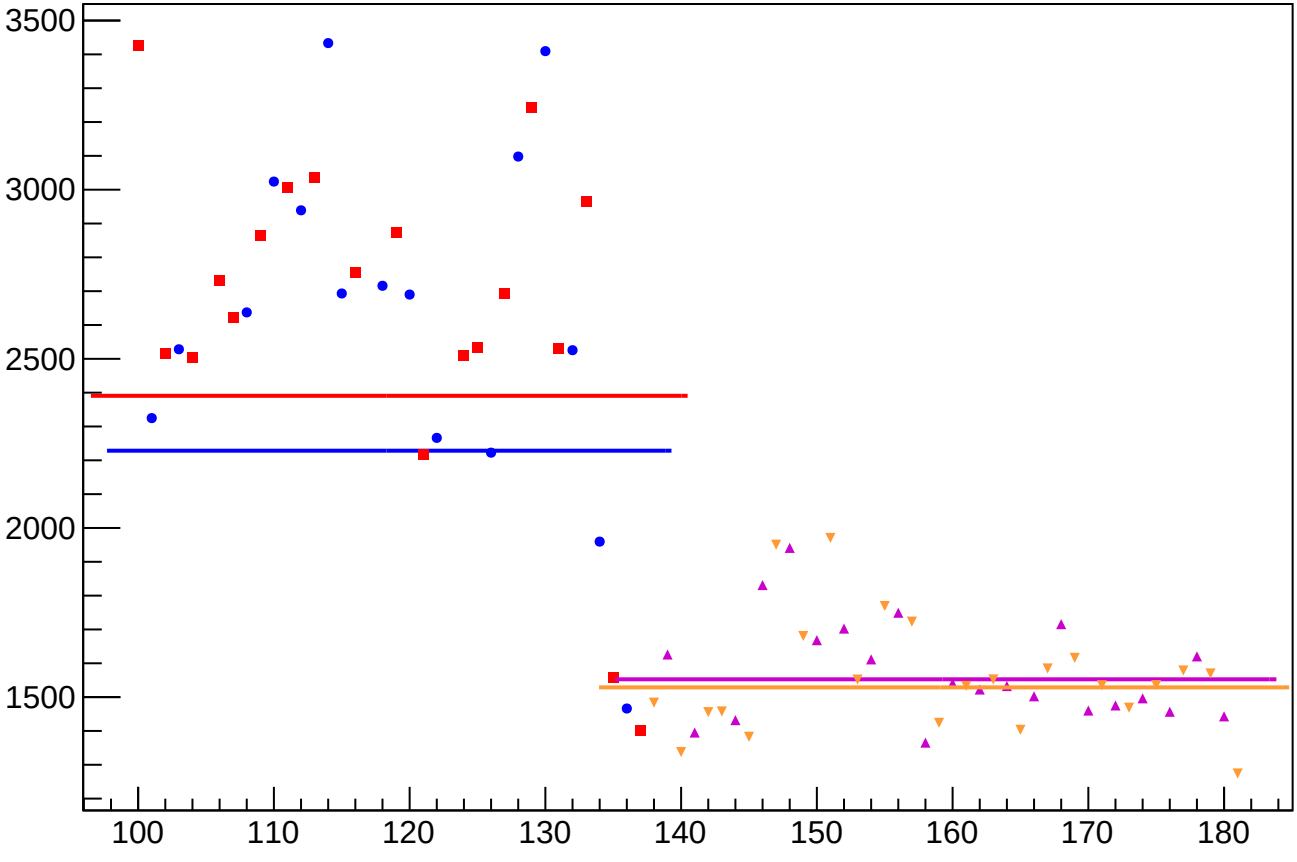
Left In: -125.996+/-376.017 χ^2/NDF:32.1/20

+ sign -856.737+/-331.932 χ^2/NDF: 56.0/38

All: -534.897+/-239.884 χ^2/NDF: 104.5/78

- sign -183.036+/-347.069 χ^2/NDF: 46.5/39

asym_sam_26_dd_cor_correction_rms vs Slug



Right In: 2228.435+/-0.607 χ^2/NDF: 947659.2/15

Left Out: 1528.788+/-0.254 χ^2/NDF:384282.4/22

Right Out: 2390.731+/-0.638 χ^2/NDF: 790004.4/18

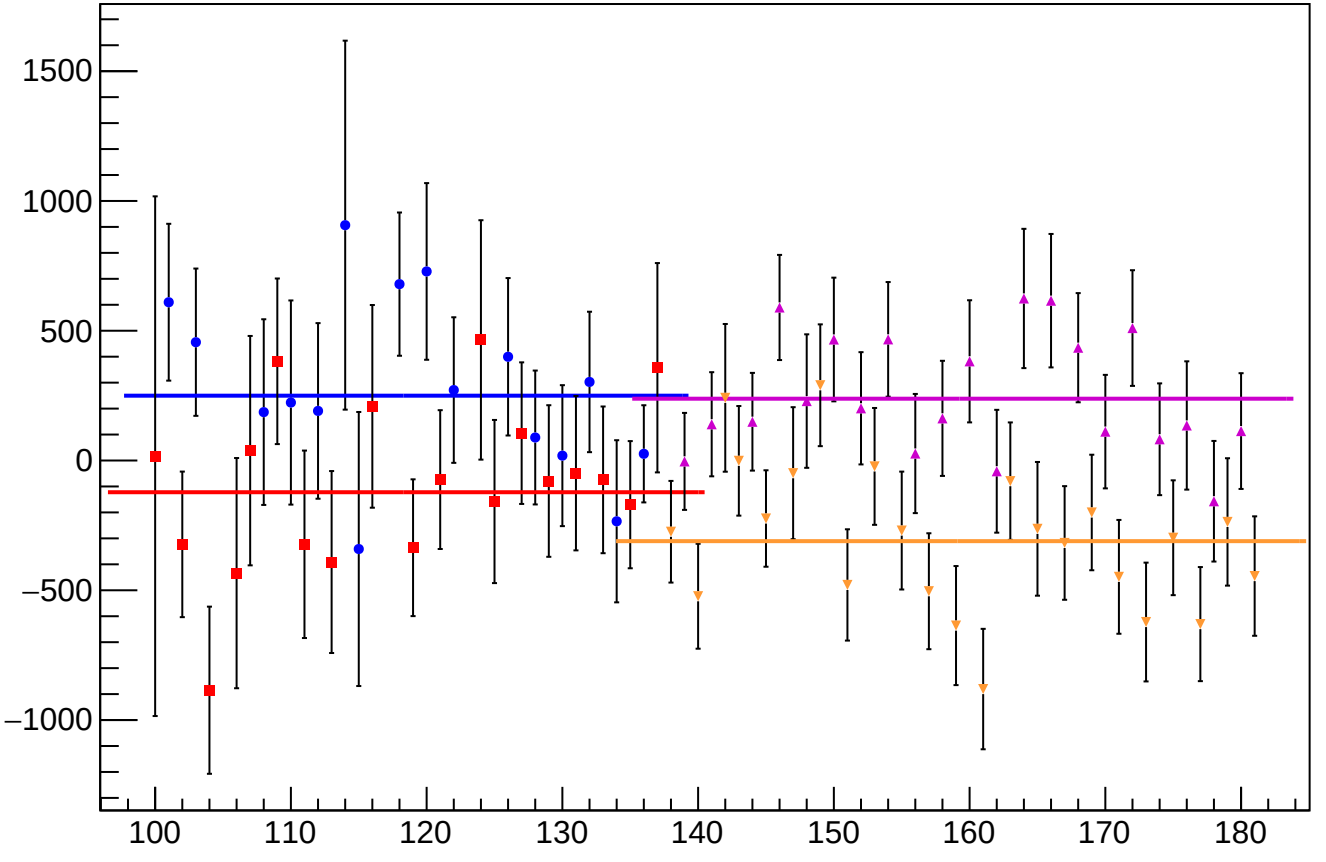
Left In: 1552.633+/-0.266 χ^2/NDF:275027.2/20

+ sign 1633.237+/-0.235 χ^2/NDF: 2460421.8/38

All: 1654.006+/-0.170 χ^2/NDF: 5012826.5/78

- sign 1676.712+/-0.245 χ^2/NDF: 2536014.0/39

eigen_cor_asym_sam_26_dd_mean vs Slug



Right In: 249.764+/-74.877 χ^2/NDF: 13.8/15

Left Out: -310.711+/-46.697 χ^2/NDF:32.1/22

Right Out: -122.210+/-74.380 χ^2/NDF: 15.5/18

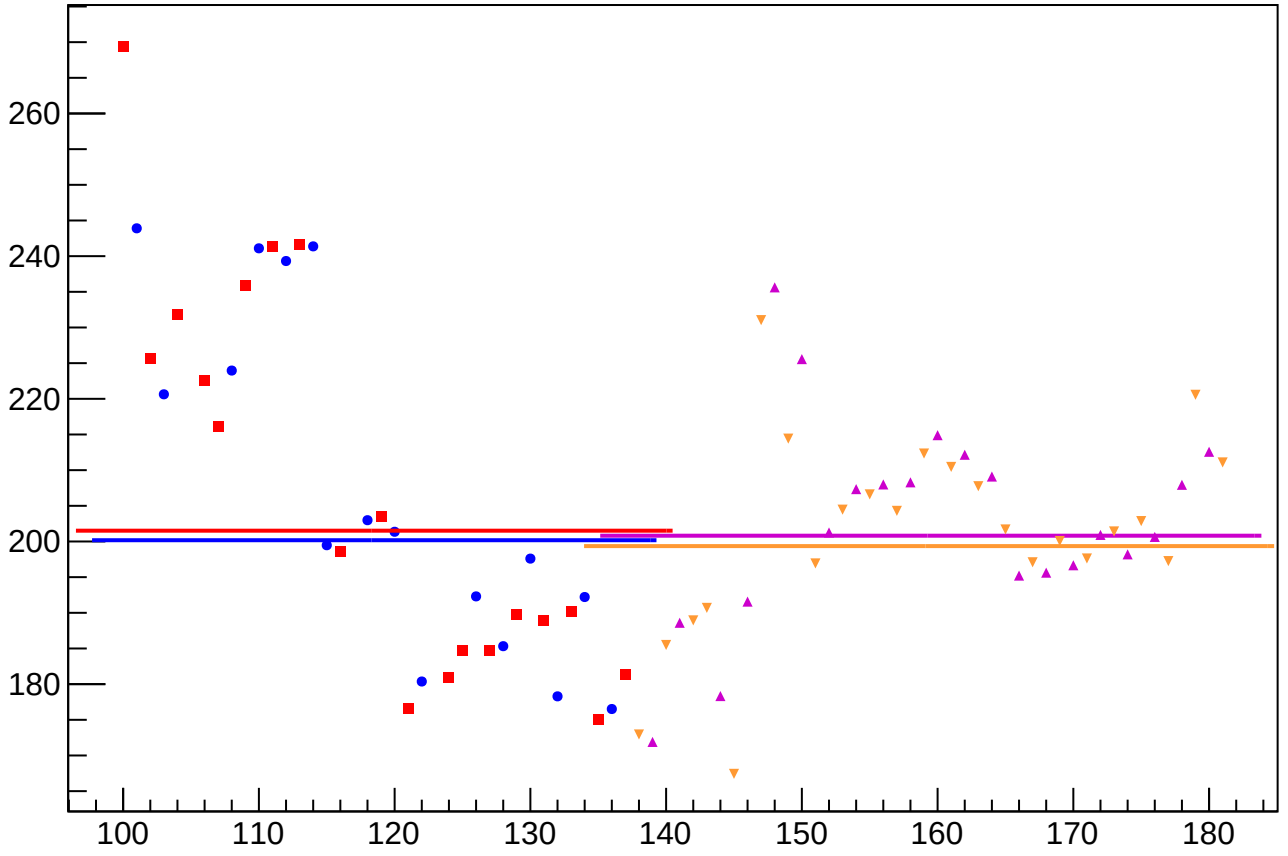
Left In: 238.121+/-48.497 χ^2/NDF:20.7/20

+ sign -153.762+/-39.623 χ^2/NDF: 86.2/38

All: -15.114+/-28.365 χ^2/NDF: 164.0/78

- sign 130.631+/-40.625 χ^2/NDF: 52.7/39

eigen_cor_asym_sam_26_dd_rms vs Slug



Right In: 200.177+/-0.053 χ^2/NDF: 181001.6/15

Left Out: 199.353+/-0.033 χ^2/NDF:189683.1/22

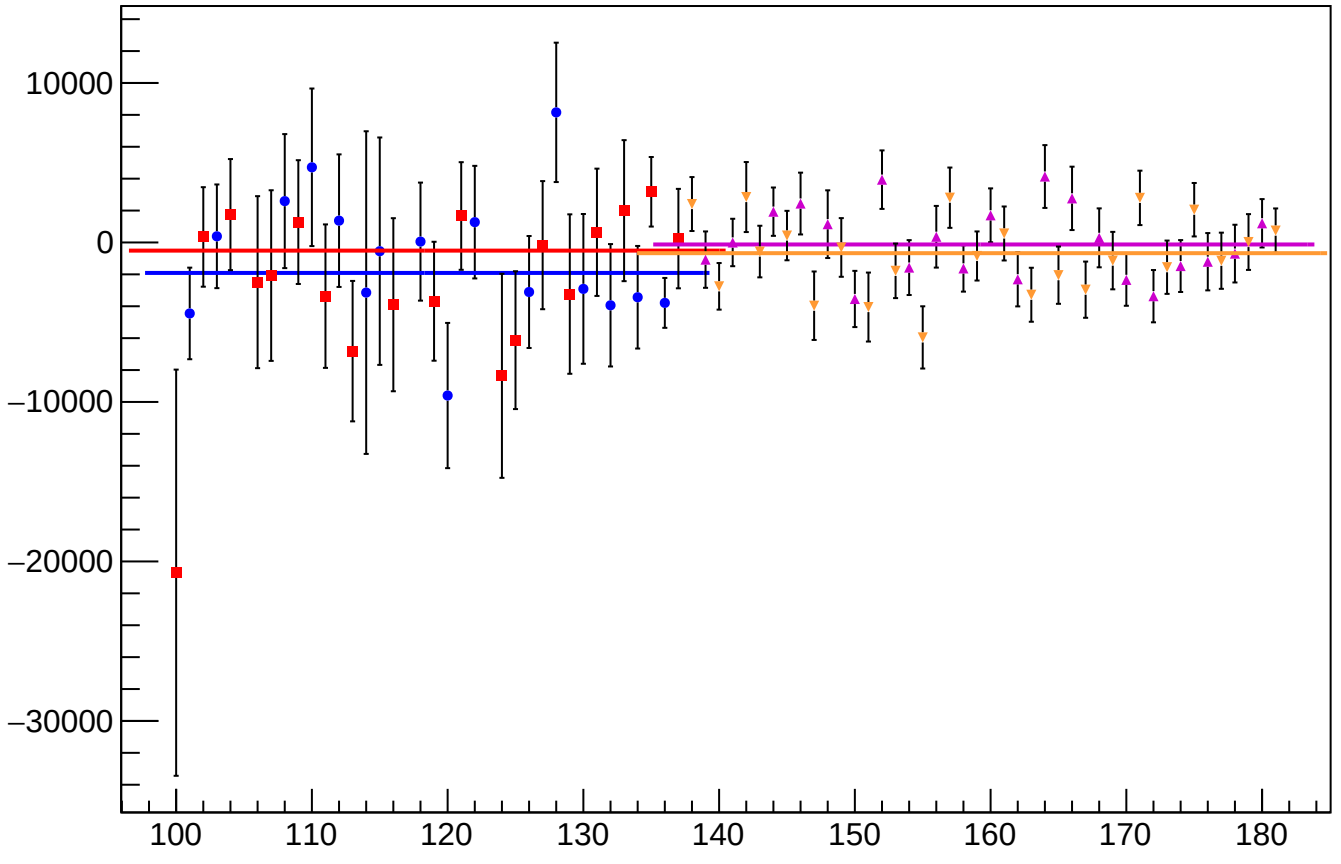
Right Out: 201.514+/-0.053 χ^2/NDF: 195431.2/18

Left In: 200.811+/-0.034 χ^2/NDF:176508.3/20

+ sign 199.583+/-0.028 χ^2/NDF: 370859.2/38

All: 200.284+/-0.020 χ^2/NDF: 744207.0/78

- sign 201.021+/-0.029 χ^2/NDF: 372065.0/39



Right In: -1910.310+/-859.089 χ^2/NDF: 16.3/15

Left Out: -671.851+/-359.880 χ^2/NDF:38.0/22

Right Out: -511.276+/-902.014 χ^2/NDF: 14.2/18

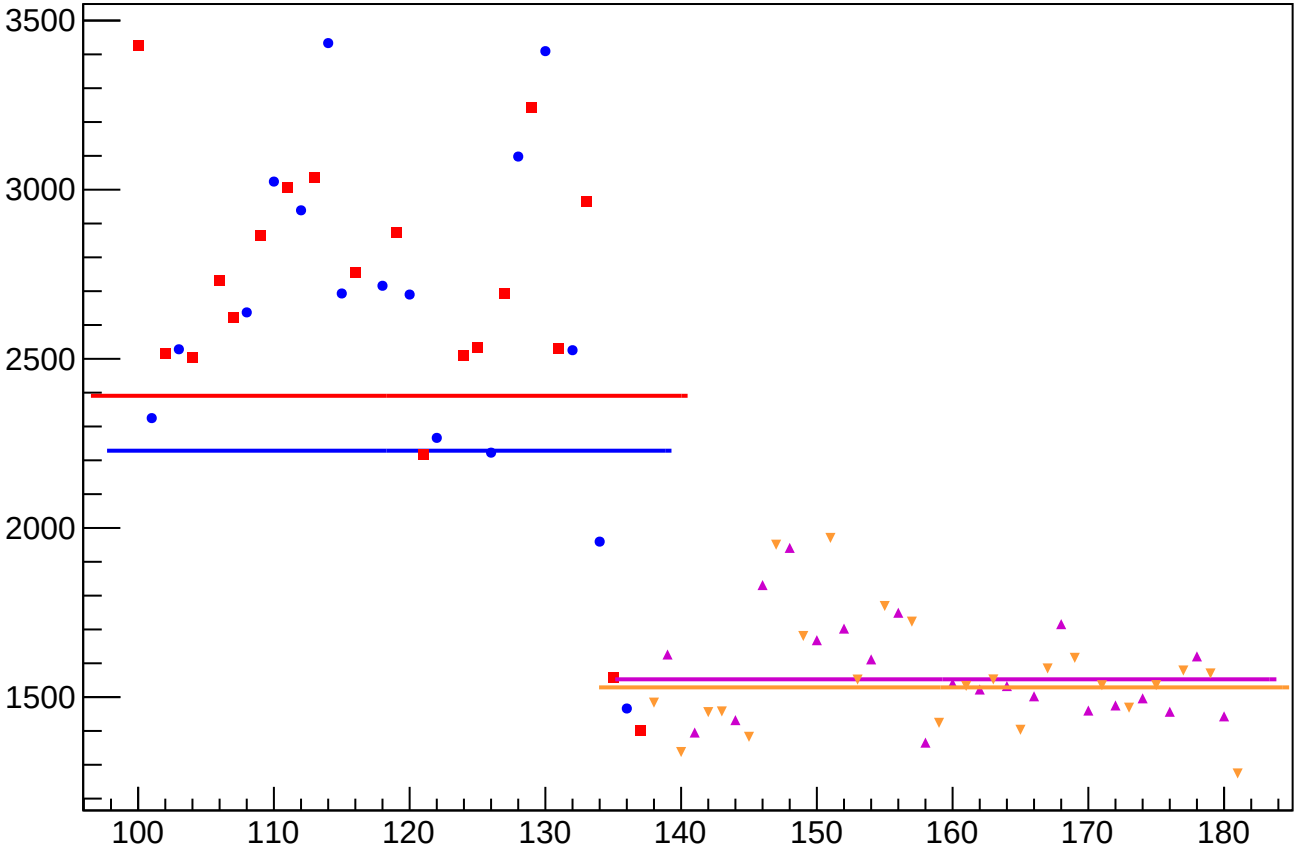
Left In: -125.996+/-376.017 χ^2/NDF:32.1/20

+ sign -856.737+/-331.932 χ^2/NDF: 56.0/38

All: -534.897+/-239.884 χ^2/NDF: 104.5/78

- sign -183.036+/-347.069 χ^2/NDF: 46.5/39

asym_sam_26_dd_eigen_cor_correction_rms vs Slug



Right In: 2228.435+/-0.607 χ^2/NDF: 947659.2/15

Left Out: 1528.788+/-0.254 χ^2/NDF:384282.4/22

Right Out: 2390.731+/-0.638 χ^2/NDF: 790004.4/18

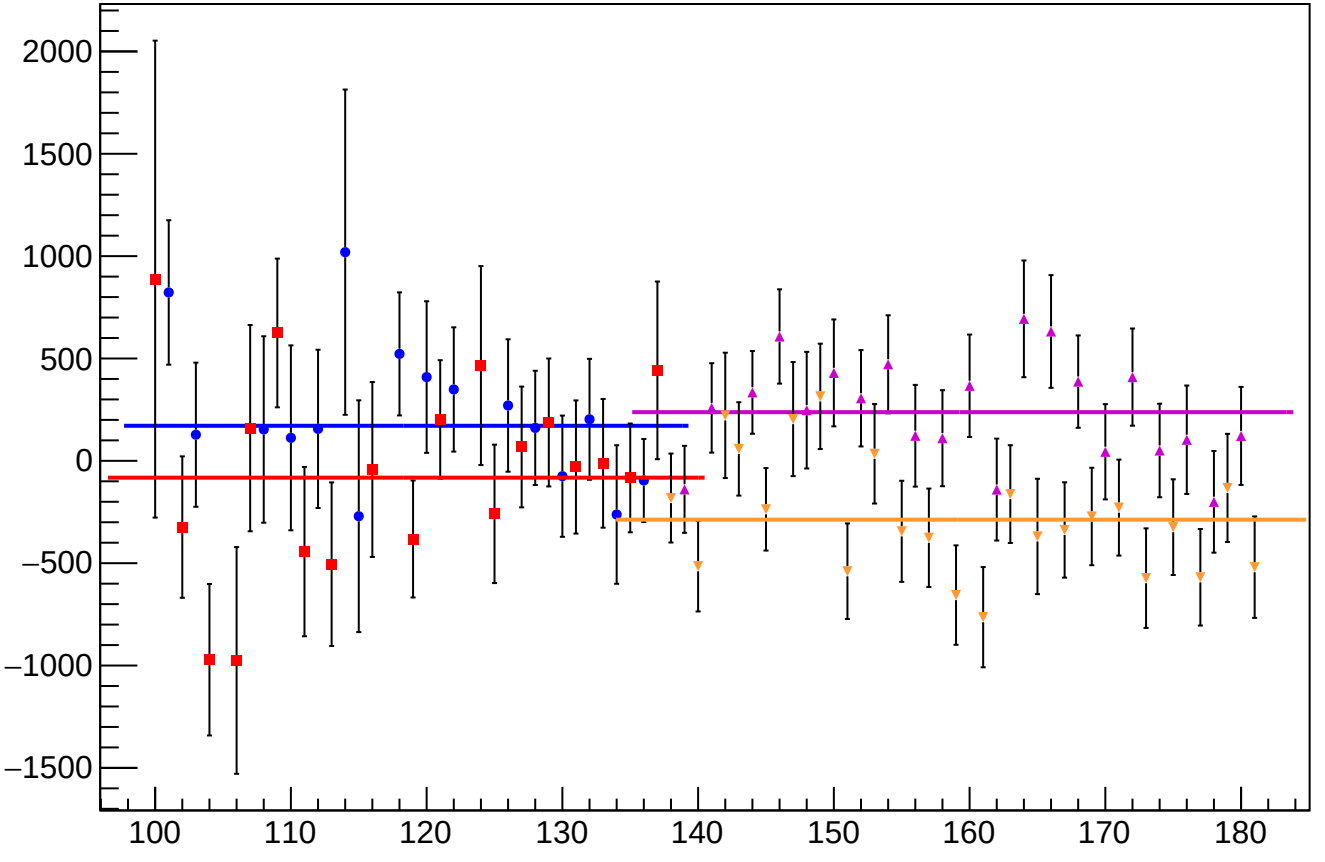
Left In: 1552.633+/-0.266 χ^2/NDF:275027.2/20

+ sign 1633.237+/-0.235 χ^2/NDF: 2460421.8/38

All: 1654.006+/-0.170 χ^2/NDF: 5012826.5/78

- sign 1676.712+/-0.245 χ^2/NDF: 2536014.0/39

dit_asym_sam_26_dd_mean vs Slug



Right In: 171.258+/-83.116 χ^2/NDF: 11.5/15

Left Out: -287.452+/-50.315 χ^2/NDF:28.7/22

Right Out: -82.152+/-82.545 χ^2/NDF: 21.6/18

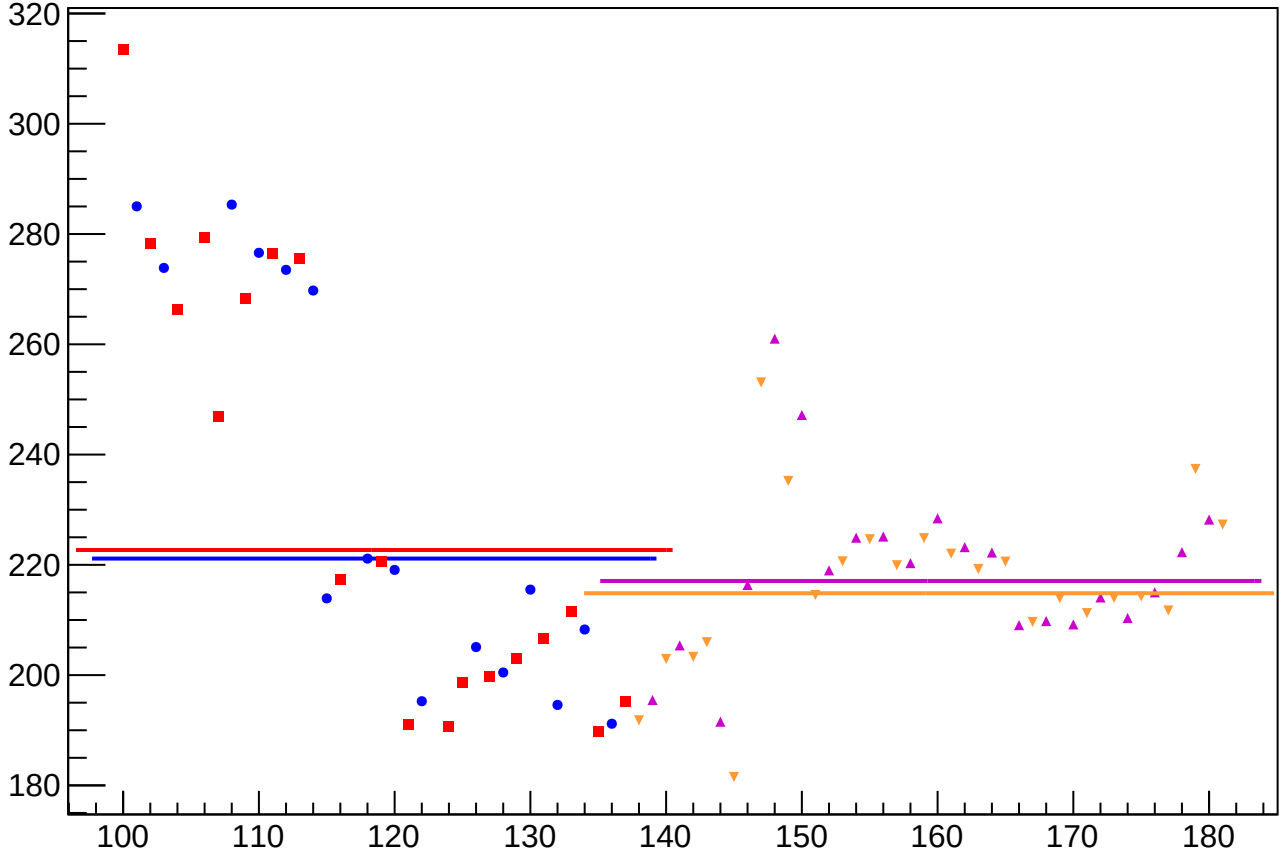
Left In: 237.813+/-52.429 χ^2/NDF:21.1/20

+ sign -164.433+/-43.043 χ^2/NDF: 62.5/38

All: -13.609+/-30.856 χ^2/NDF: 141.2/78

- sign 145.838+/-44.256 χ^2/NDF: 53.5/39

dit_asym_sam_26_dd_rms vs Slug



Right In: 221.139+/-0.059 χ^2/NDF: 318702.0/15

Left Out: 214.847+/-0.036 χ^2/NDF:172406.2/22

Right Out: 222.697+/-0.058 χ^2/NDF: 327032.3/18

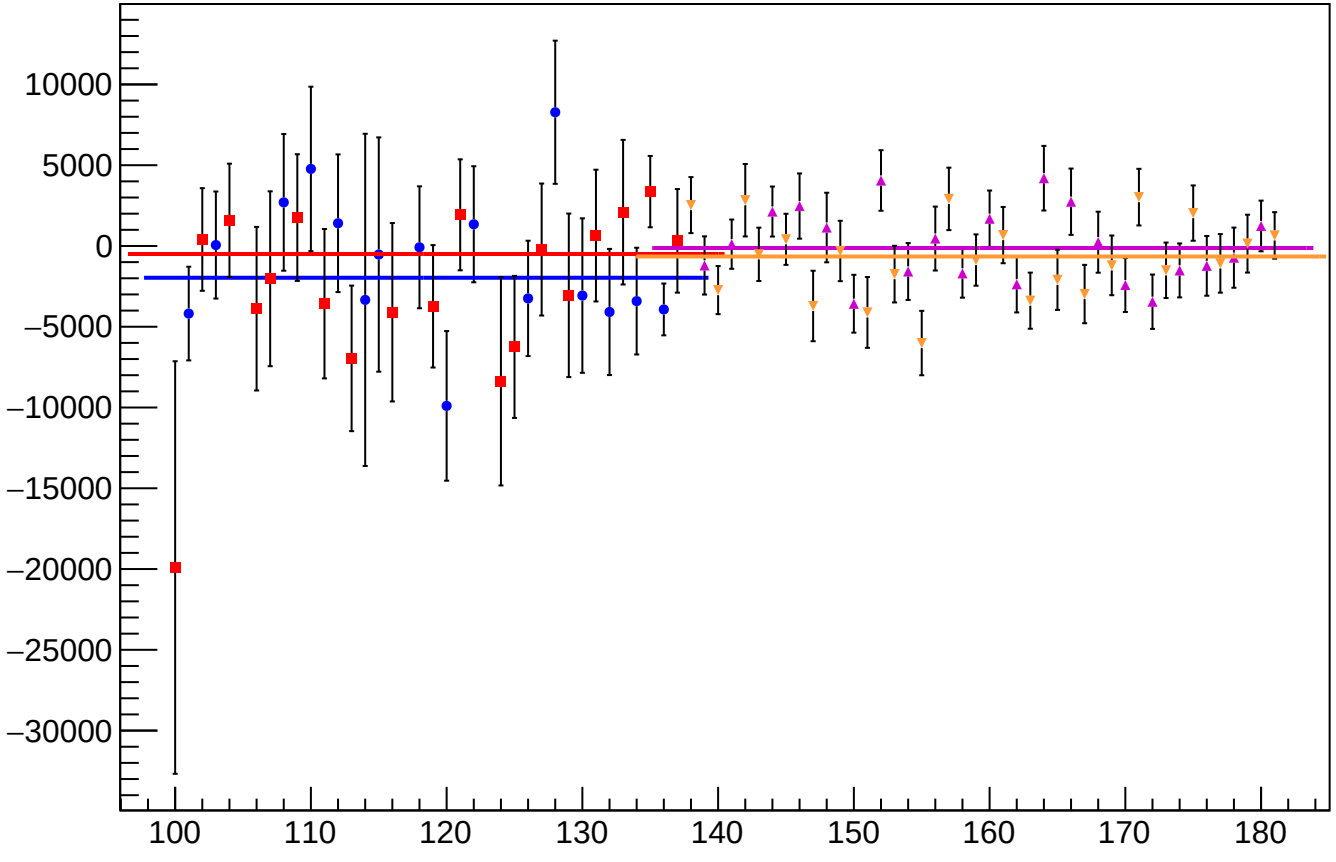
Left In: 217.077+/-0.037 χ^2/NDF:156651.2/20

+ sign 216.534+/-0.030 χ^2/NDF: 499496.8/38

All: 217.584+/-0.022 χ^2/NDF: 992231.5/78

- sign 218.693+/-0.031 χ^2/NDF: 490289.6/39

asym_sam_26_dd_dit_correction_mean vs Slug



Right In: -1967.414+/-876.610 χ^2/NDF: 16.2/15

Left Out: -651.973+/-368.913 χ^2/NDF:37.3/22

Right Out: -497.281+/-914.759 χ^2/NDF: 14.8/18

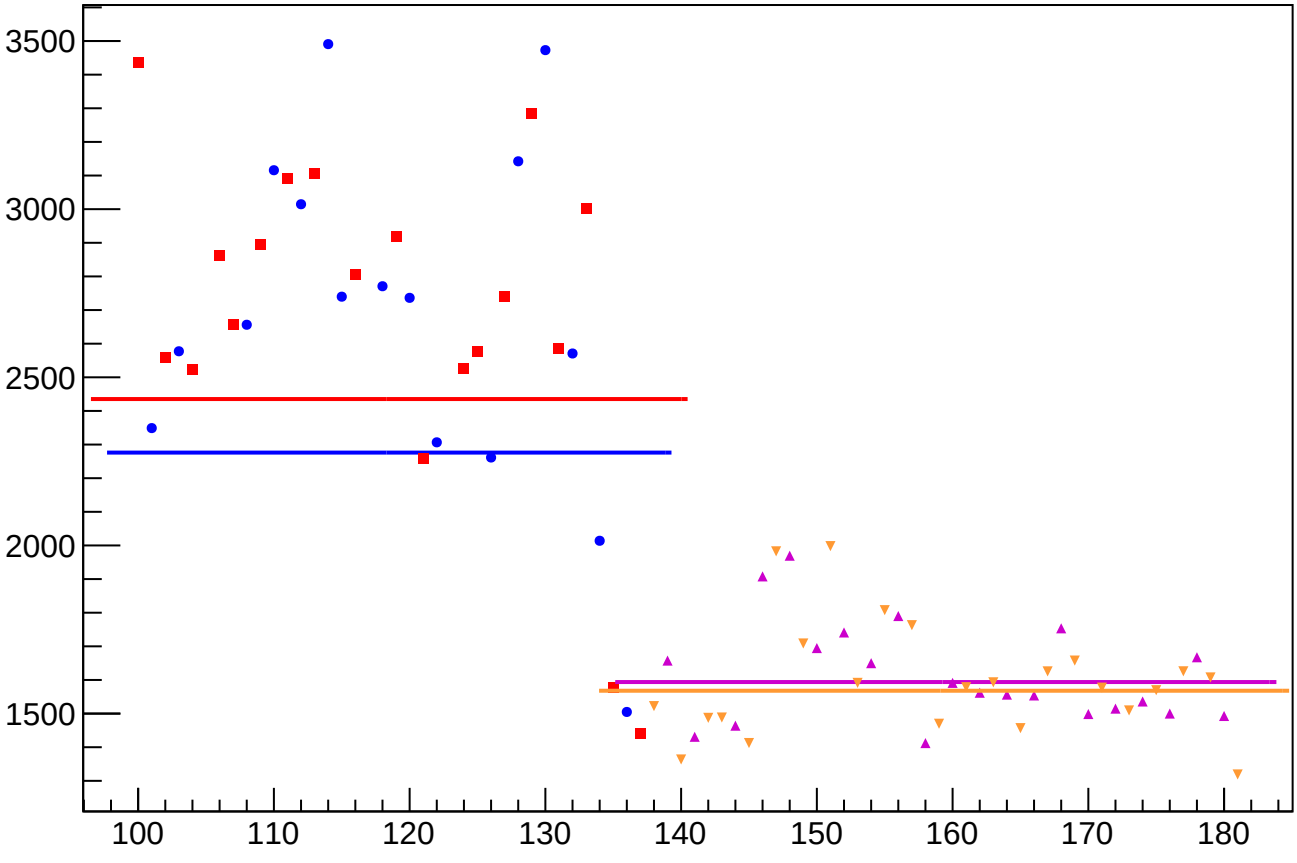
Left In: -125.257+/-385.879 χ^2/NDF:32.1/20

+ sign -849.894+/-340.029 χ^2/NDF: 55.4/38

All: -530.574+/-245.737 χ^2/NDF: 104.3/78

- sign -181.457+/-355.540 χ^2/NDF: 47.0/39

asym_sam_26_dd_dit_correction_rms vs Slug



Right In: 2276.134+/-0.620 χ^2/NDF: 926982.8/15

Left Out: 1567.962+/-0.261 χ^2/NDF:363031.5/22

Right Out: 2435.354+/-0.647 χ^2/NDF: 791515.5/18

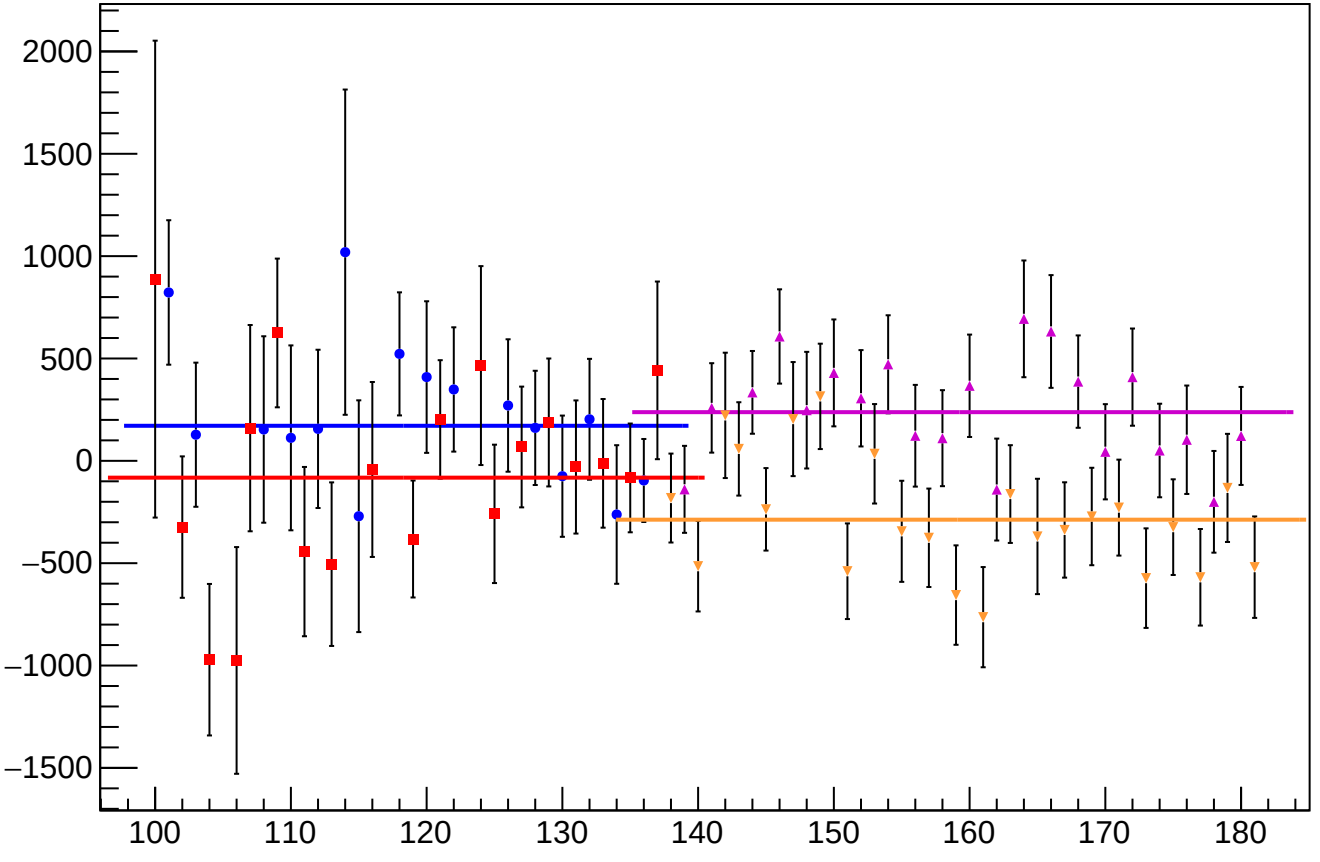
Left In: 1593.810+/-0.273 χ^2/NDF:264485.3/20

+ sign 1674.513+/-0.240 χ^2/NDF: 2398882.7/38

All: 1696.691+/-0.174 χ^2/NDF: 4909654.7/78

- sign 1720.938+/-0.251 χ^2/NDF: 2492961.7/39

eigen_dit_asym_sam_26_dd_mean vs Slug



Right In: 171.260+/-83.115 χ^2/NDF: 11.5/15

Left Out: -287.454+/-50.315 χ^2/NDF:28.7/22

Right Out: -82.150+/-82.545 χ^2/NDF: 21.6/18

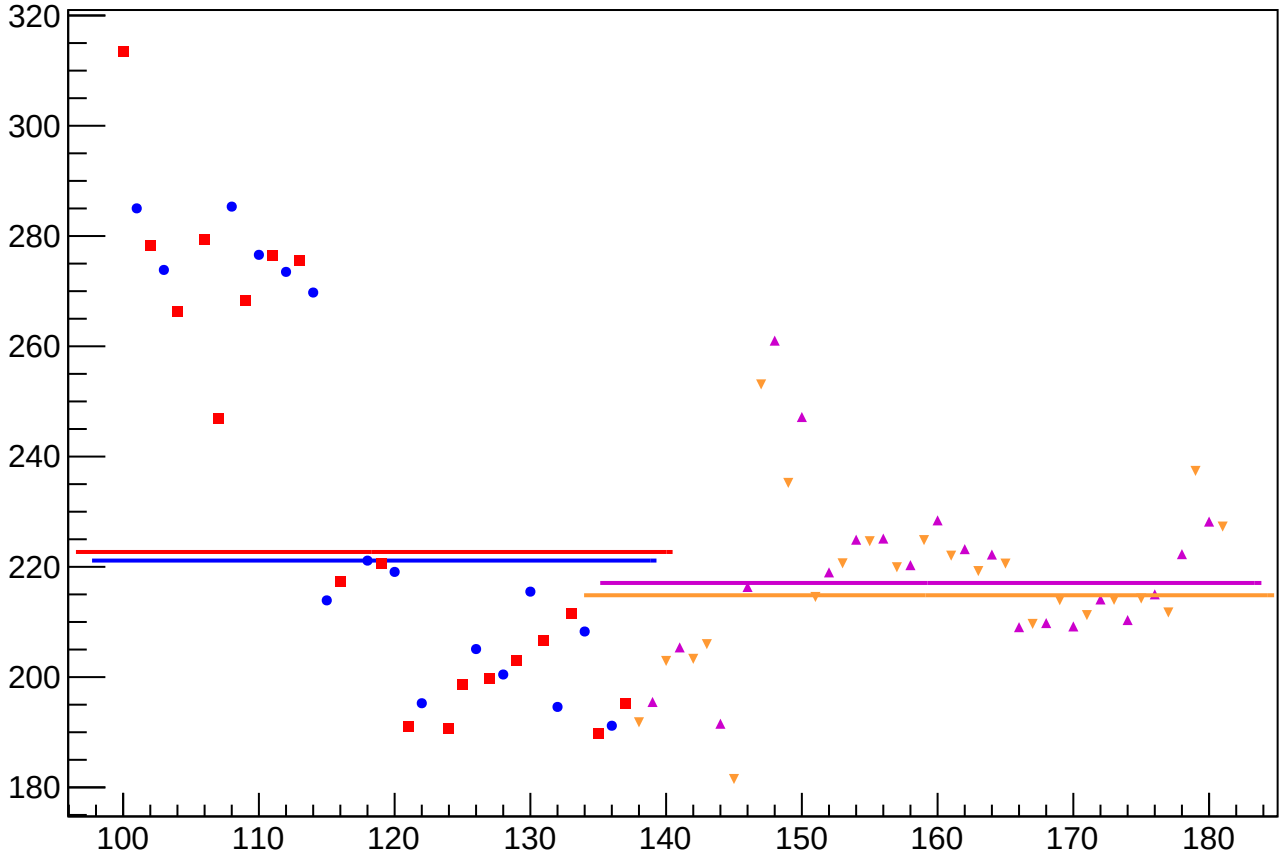
Left In: 237.814+/-52.428 χ^2/NDF:21.1/20

+ sign -164.433+/-43.043 χ^2/NDF: 62.5/38

All: -13.608+/-30.856 χ^2/NDF: 141.2/78

- sign 145.839+/-44.256 χ^2/NDF: 53.5/39

eigen_dit_asym_sam_26_dd_rms vs Slug



Right In: 221.138+/-0.059 χ^2/NDF: 318696.9/15

Left Out: 214.847+/-0.036 χ^2/NDF:172410.2/22

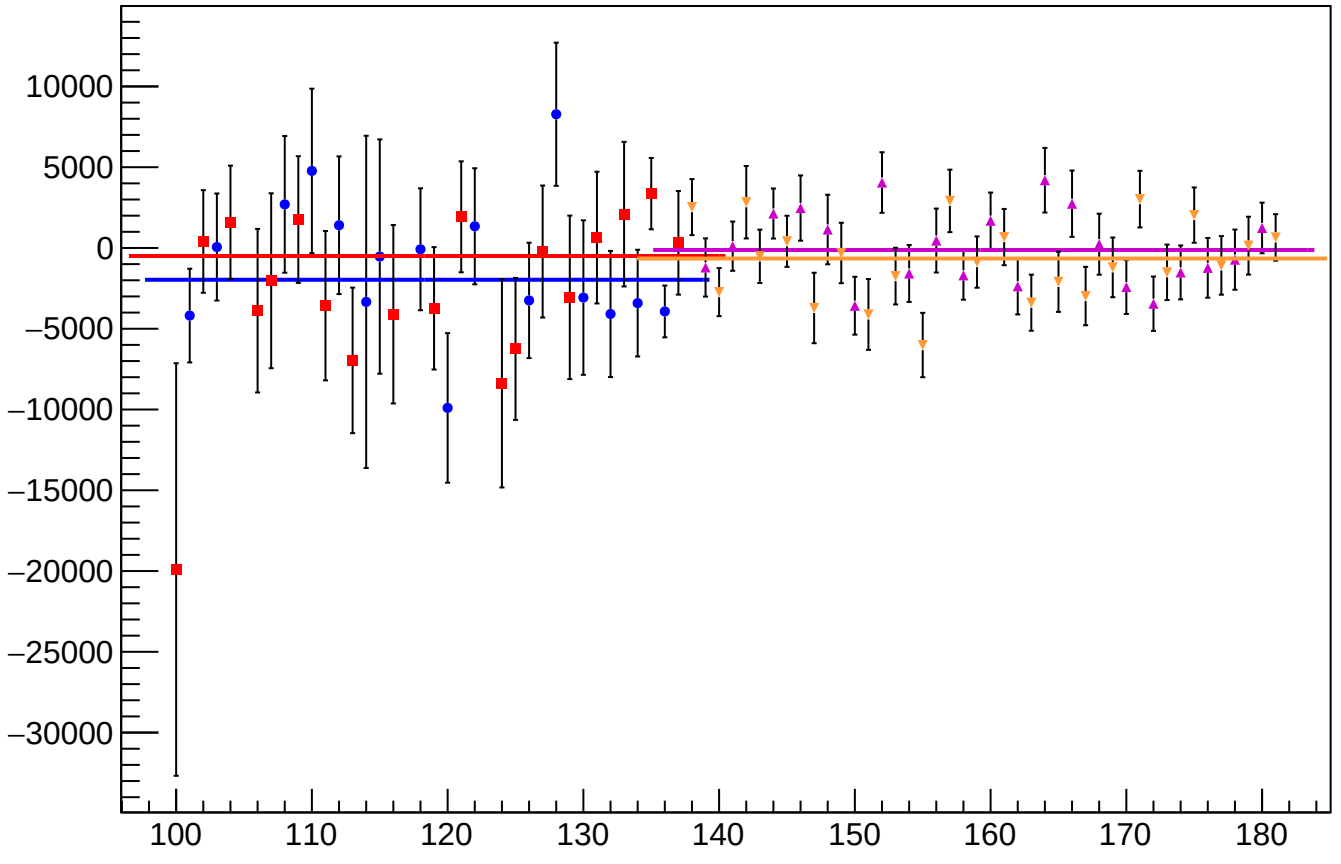
Right Out: 222.696+/-0.058 χ^2/NDF: 327025.2/18

Left In: 217.077+/-0.037 χ^2/NDF:156653.8/20

+ sign 216.534+/-0.030 χ^2/NDF: 499493.0/38

All: 217.583+/-0.022 χ^2/NDF: 992221.5/78

- sign 218.692+/-0.031 χ^2/NDF: 490283.4/39



Right In: -1967.409+/-876.608 χ^2/NDF: 16.2/15

Left Out: -651.974+/-368.913 χ^2/NDF:37.3/22

Right Out: -497.282+/-914.757 χ^2/NDF: 14.8/18

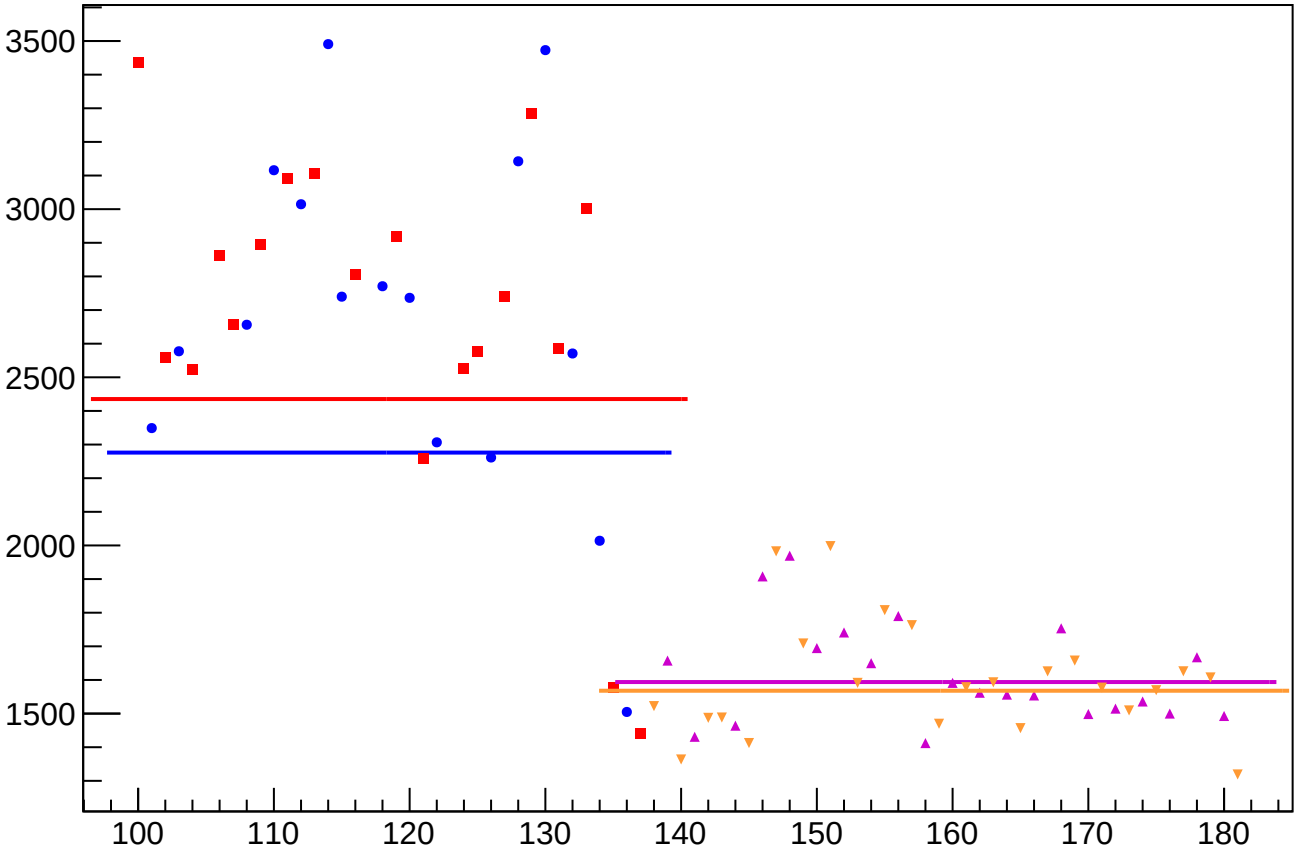
Left In: -125.258+/-385.879 χ^2/NDF:32.1/20

+ sign -849.894+/-340.029 χ^2/NDF: 55.4/38

All: -530.574+/-245.737 χ^2/NDF: 104.3/78

- sign -181.458+/-355.540 χ^2/NDF: 47.0/39

asym_sam_26_dd_eigen_dit_correction_rms vs Slug



Right In: 2276.132+/-0.620 χ^2/NDF: 926973.2/15

Left Out: 1567.962+/-0.261 χ^2/NDF:363034.7/22

Right Out: 2435.351+/-0.647 χ^2/NDF: 791509.5/18

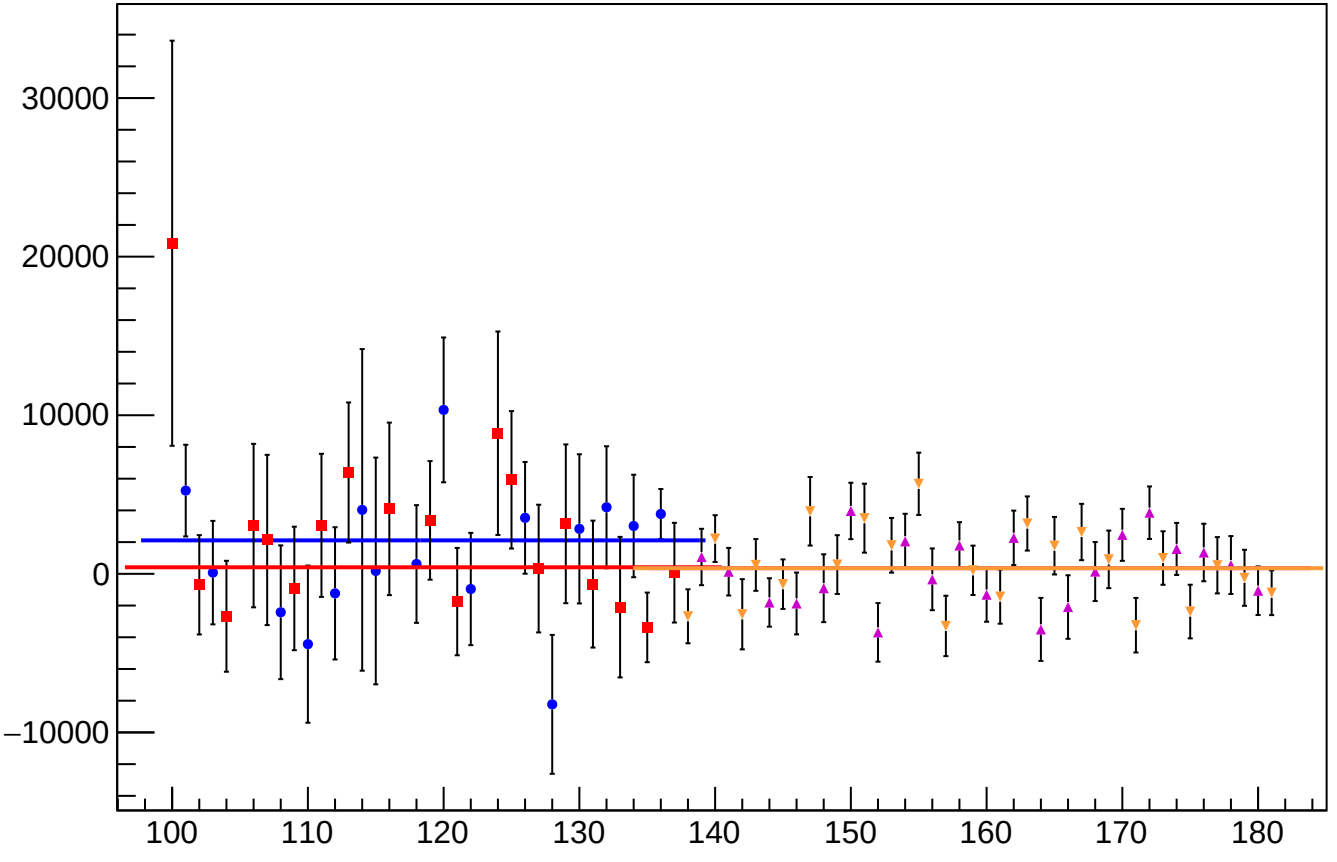
Left In: 1593.811+/-0.273 χ^2/NDF:264486.4/20

+ sign 1674.513+/-0.240 χ^2/NDF: 2398869.7/38

All: 1696.691+/-0.174 χ^2/NDF: 4909627.5/78

- sign 1720.938+/-0.251 χ^2/NDF: 2492947.6/39

asym_sam_26_dd_mean vs Slug



Right In: 2109.537+/-863.291 χ^2/NDF: 16.6/15

Left Out: 355.911+/-363.076 χ^2/NDF:38.2/22

Right Out: 414.095+/-904.414 χ^2/NDF: 14.7/18

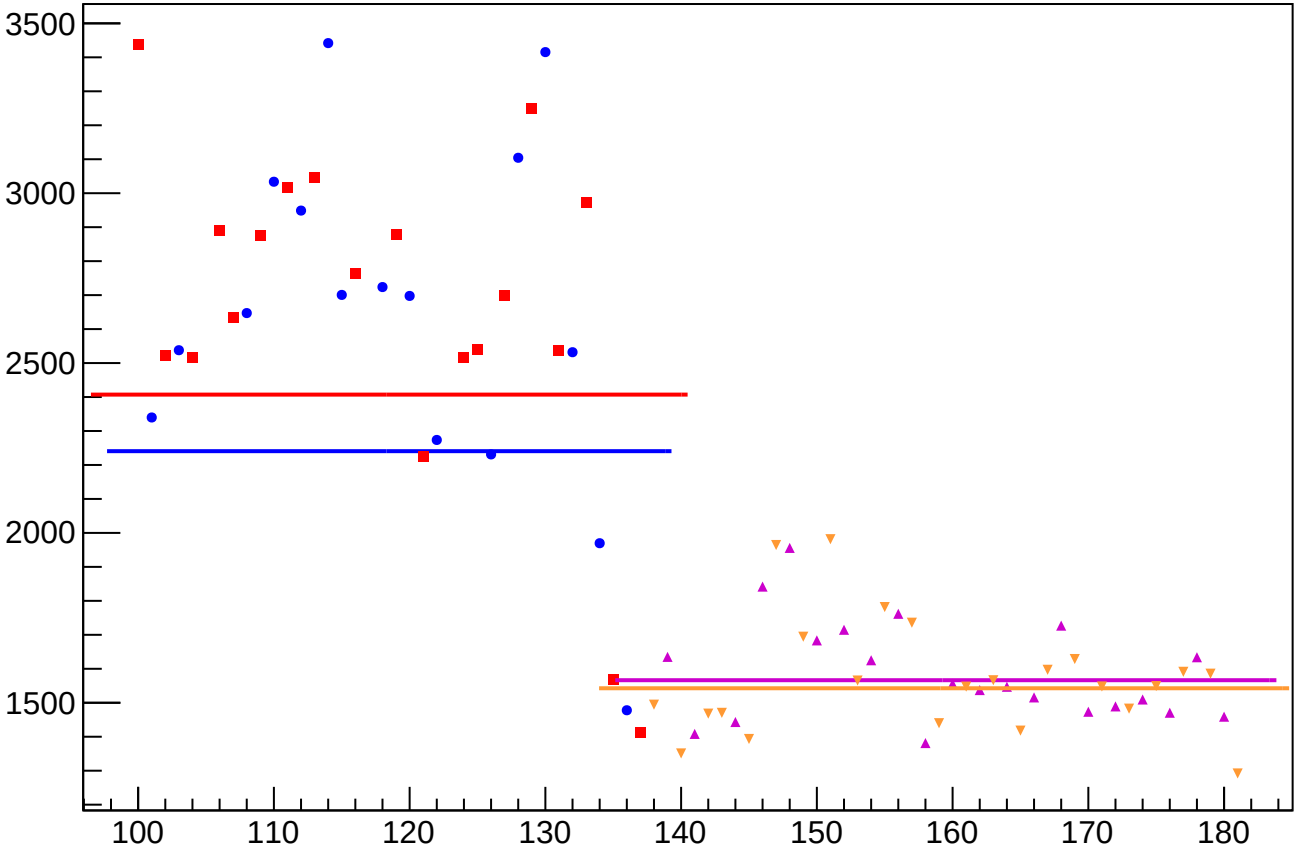
Left In: 358.947+/-379.295 χ^2/NDF:30.1/20

+ sign 619.474+/-334.681 χ^2/NDF: 58.3/38

All: 498.897+/-241.817 χ^2/NDF: 103.3/78

- sign 367.195+/-349.780 χ^2/NDF: 44.8/39

asym_sam_26_dd_rms vs Slug



Right In: 2240.626+/-0.610 χ^2/NDF: 933590.8/15

Left Out: 1542.672+/-0.257 χ^2/NDF:374982.3/22

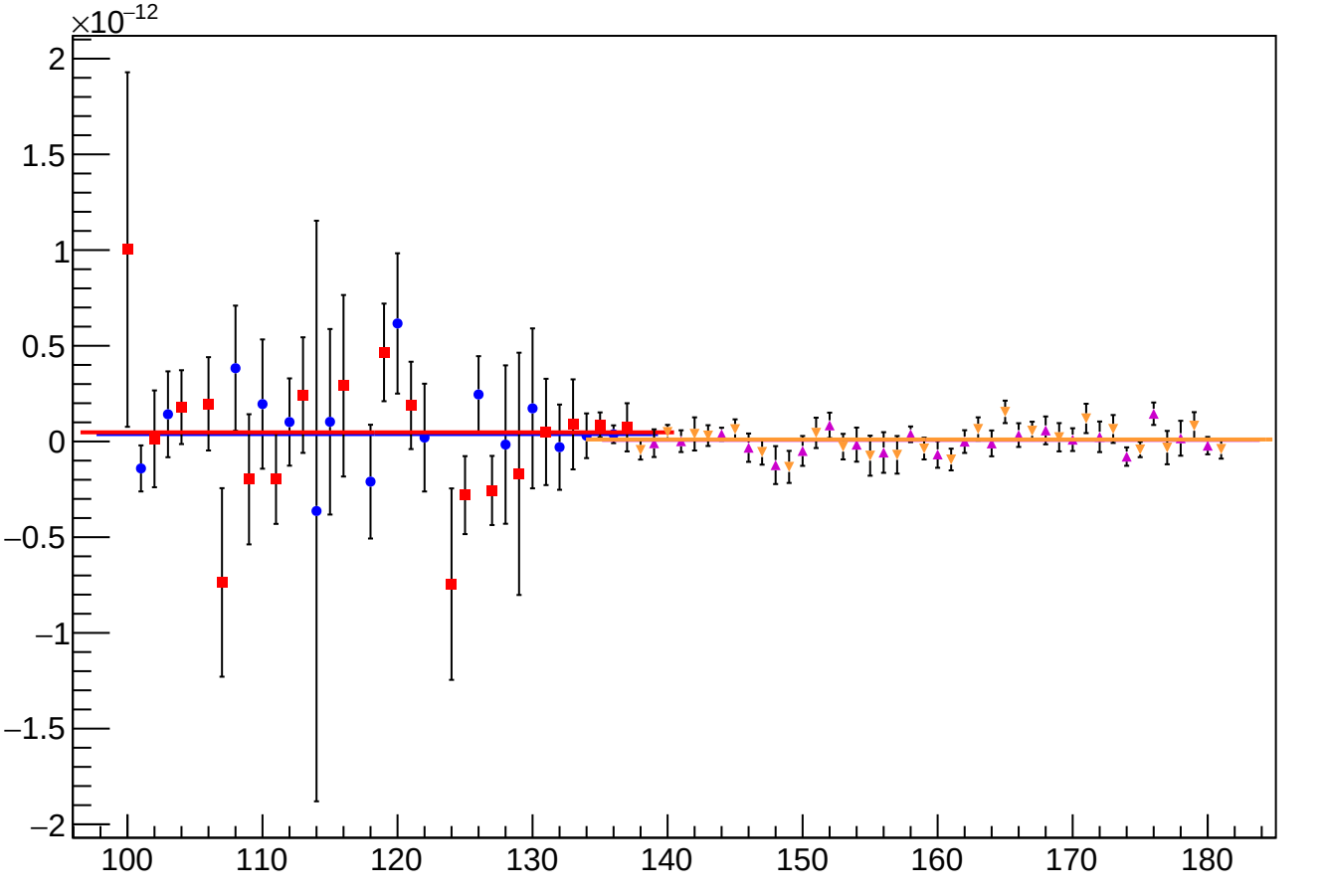
Right Out: 2407.124+/-0.640 χ^2/NDF: 788976.1/18

Left In: 1566.402+/-0.268 χ^2/NDF:268466.9/20

+ sign 1647.572+/-0.237 χ^2/NDF: 2419375.5/38

All: 1668.879+/-0.171 χ^2/NDF: 4963507.3/78

- sign 1692.152+/-0.247 χ^2/NDF: 2527171.6/39



Right In: 0.000+/-0.000 χ^2/NDF: 8.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:27.8/22

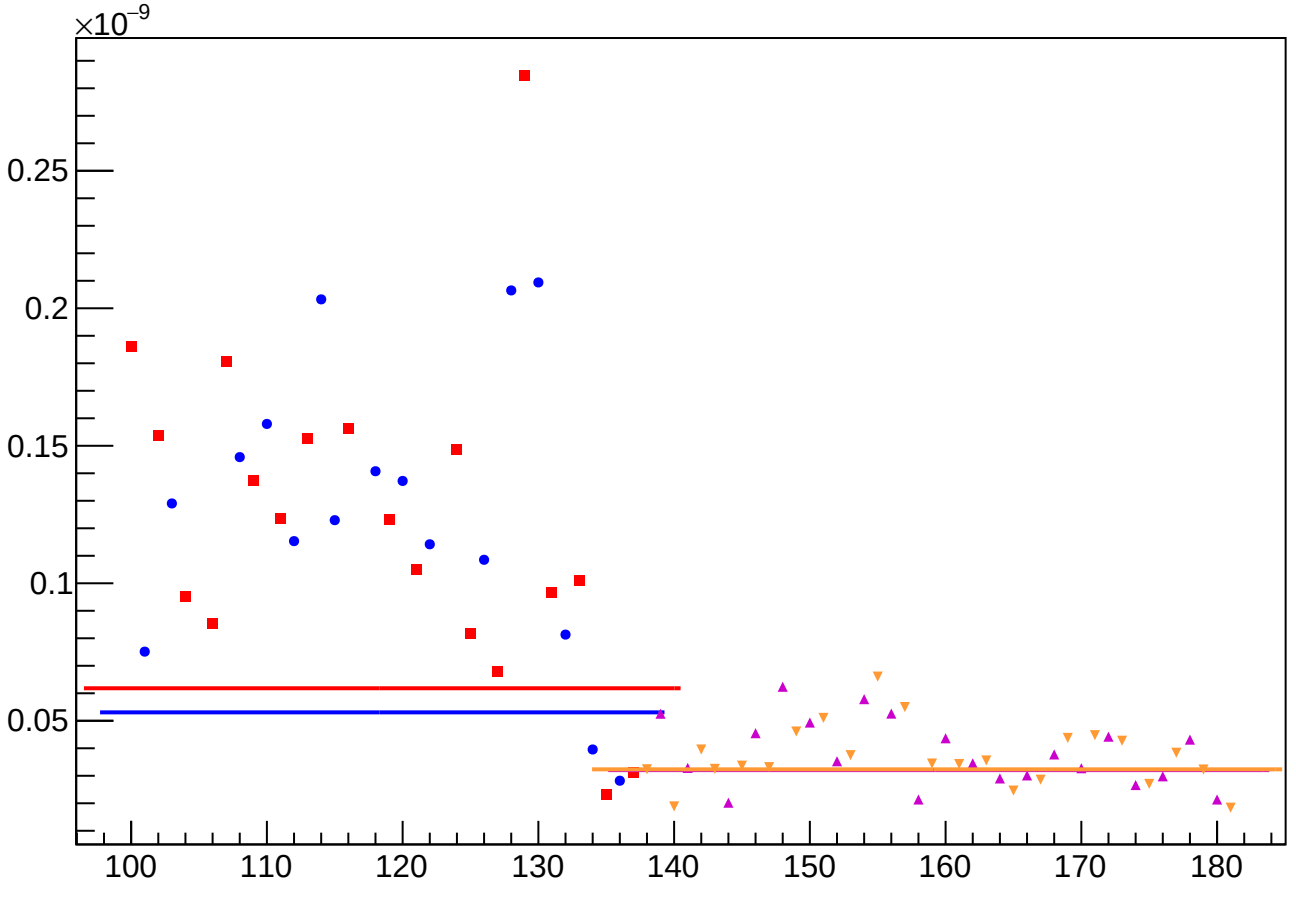
Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: 0.000+/-0.000 χ^2/NDF:16.8/20

+ sign 0.000+/-0.000 χ^2/NDF: 36.8/38

All: 0.000+/-0.000 χ^2/NDF: 72.6/78

- sign 0.000+/-0.000 χ^2/NDF: 35.8/39



Right In: 0.000+/-0.000 χ^2/NDF: 2576481.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1161970.2/22

Right Out: 0.000+/-0.000 χ^2/NDF: 2416437.9/18

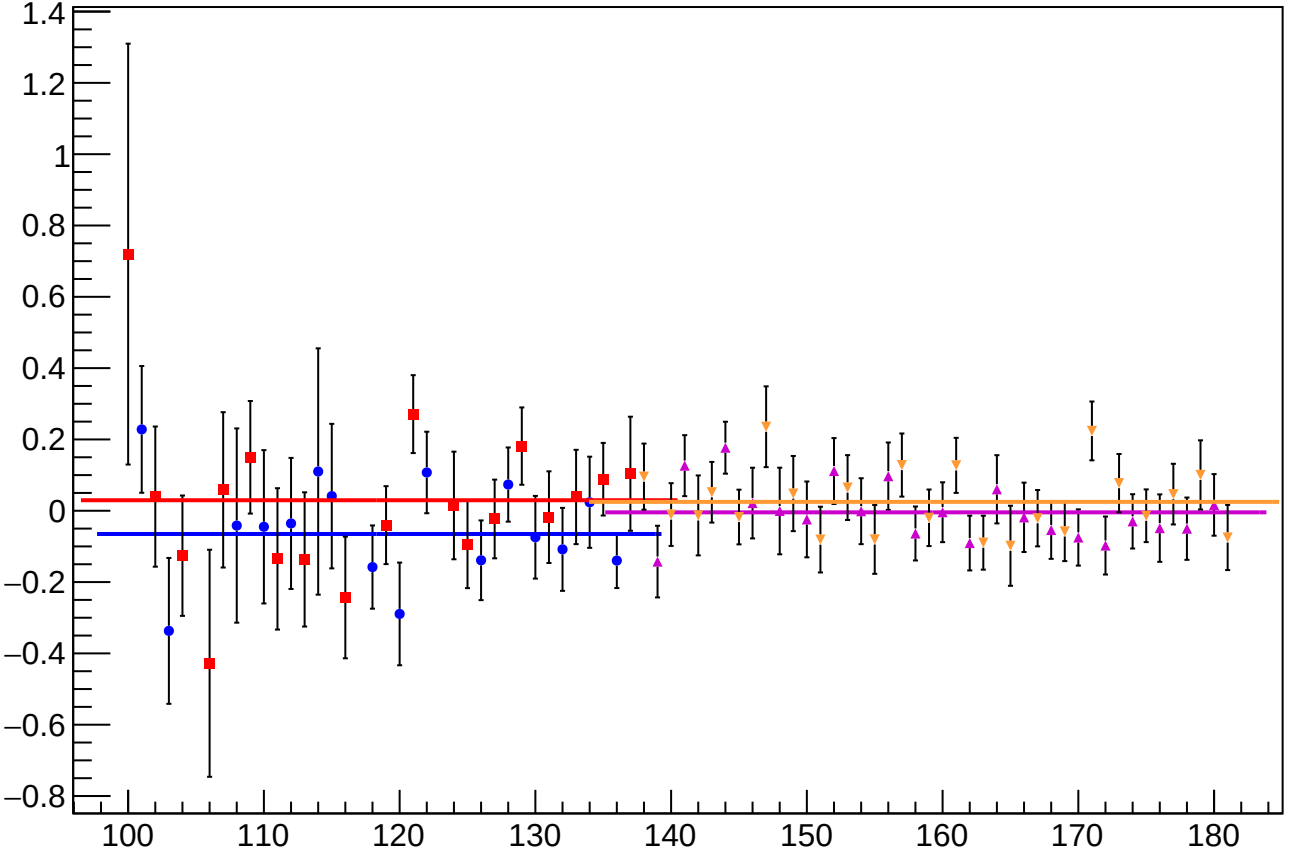
Left In: 0.000+/-0.000 χ^2/NDF:1430352.3/20

+ sign 0.000+/-0.000 χ^2/NDF: 4319546.5/38

All: 0.000+/-0.000 χ^2/NDF: 9029501.5/78

- sign 0.000+/-0.000 χ^2/NDF: 4709939.0/39

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: 0.025+/-0.018 χ^2/NDF:24.1/22

Right Out: 0.030+/-0.033 χ^2/NDF: 18.1/18

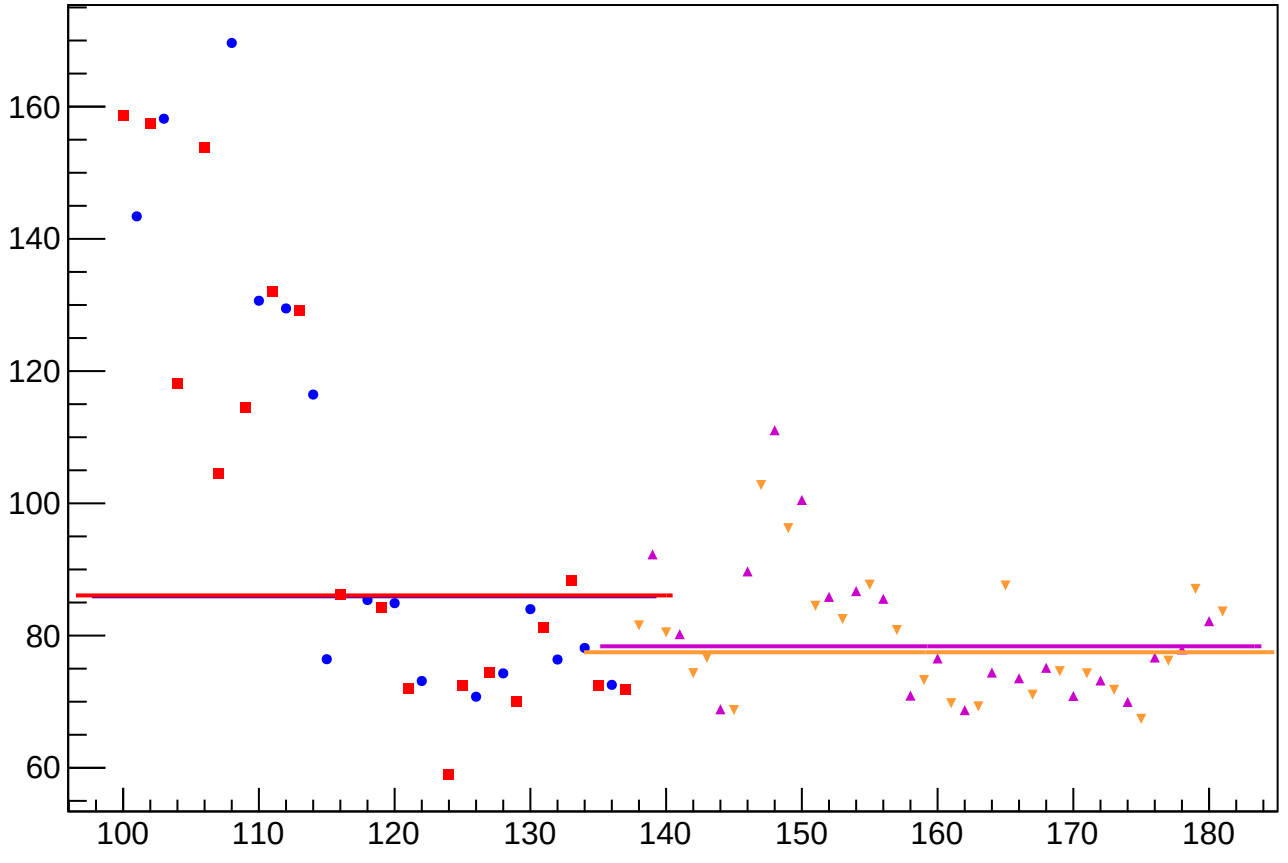
Left In: -0.004+/-0.019 χ^2/NDF:18.8/20

+ sign 0.004+/-0.016 χ^2/NDF: 43.9/38

All: 0.004+/-0.011 χ^2/NDF: 81.5/78

- sign 0.004+/-0.017 χ^2/NDF: 37.6/39

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: 77.482+/-0.013 χ^2/NDF:399455.2/22

Right Out: 86.073+/-0.023 χ^2/NDF: 991371.4/18

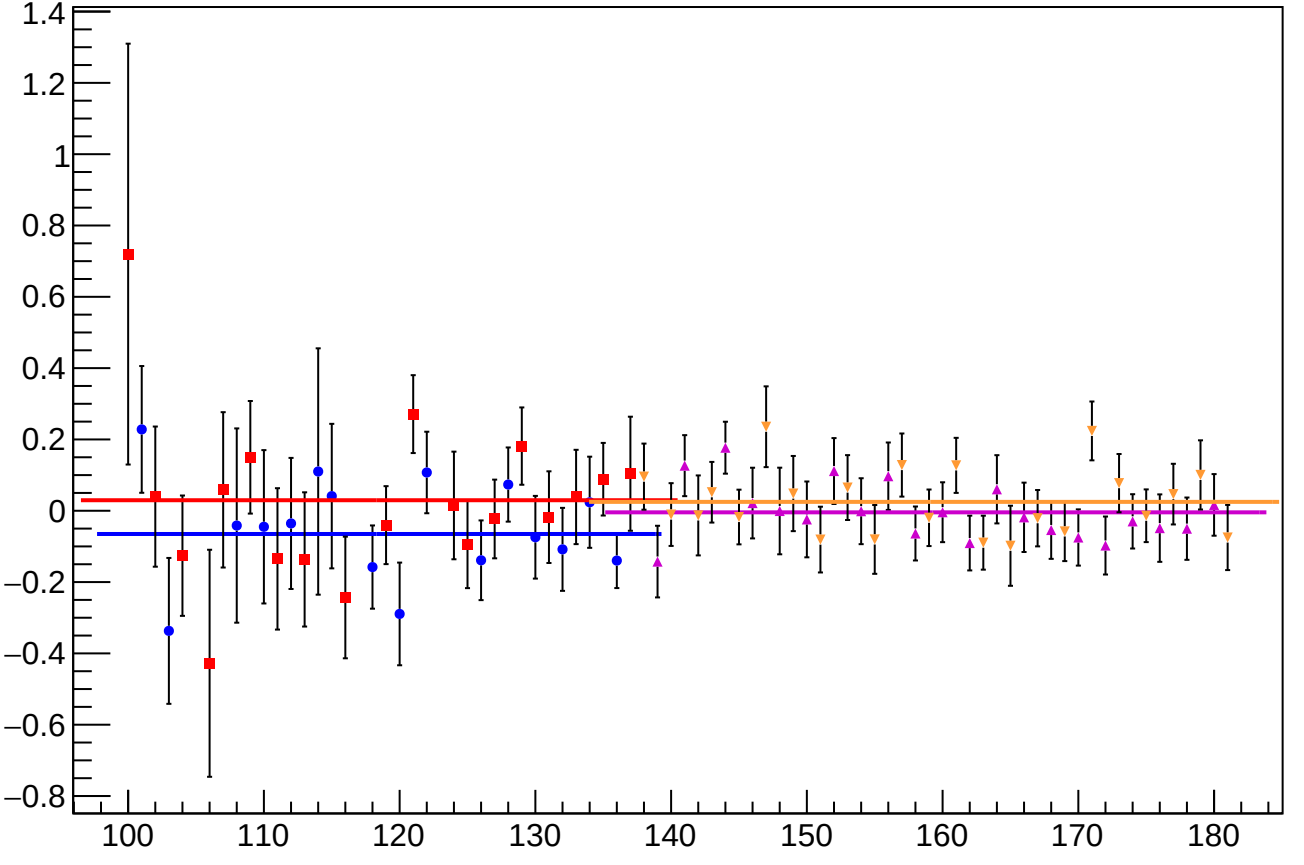
Left In: 78.378+/-0.014 χ^2/NDF:490783.8/20

+ sign 79.436+/-0.011 χ^2/NDF: 1533783.3/38

All: 79.859+/-0.008 χ^2/NDF: 3100437.8/78

- sign 80.311+/-0.012 χ^2/NDF: 1563755.8/39

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: 0.025+/-0.018 χ^2/NDF:24.1/22

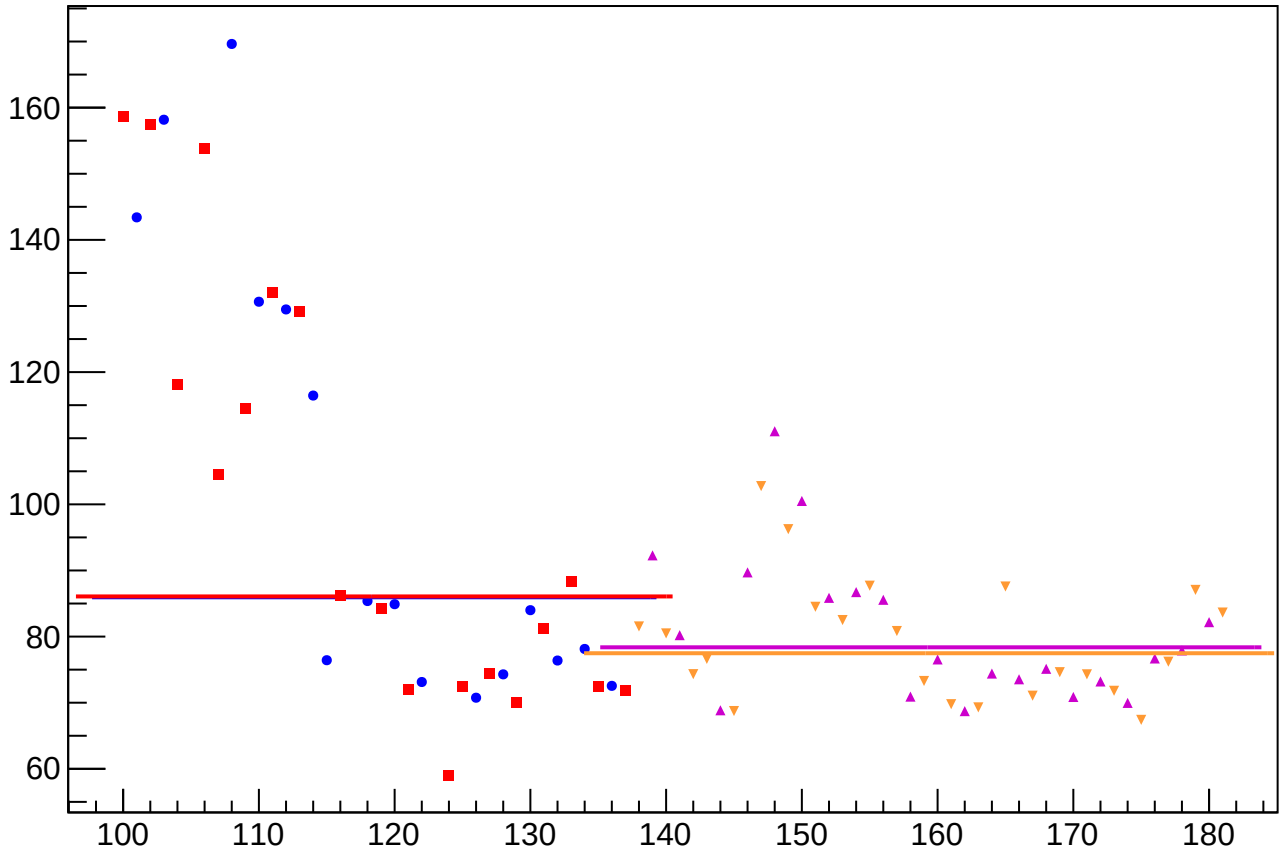
Right Out: 0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: -0.004+/-0.019 χ^2/NDF:18.8/20

+ sign 0.004+/-0.016 χ^2/NDF: 43.9/38

All: 0.004+/-0.011 χ^2/NDF: 81.5/78

- sign 0.004+/-0.017 χ^2/NDF: 37.6/39



Right In: 85.946+/-0.024 χ^2/NDF: 1035004.5/15

Left Out: 77.482+/-0.013 χ^2/NDF:399455.2/22

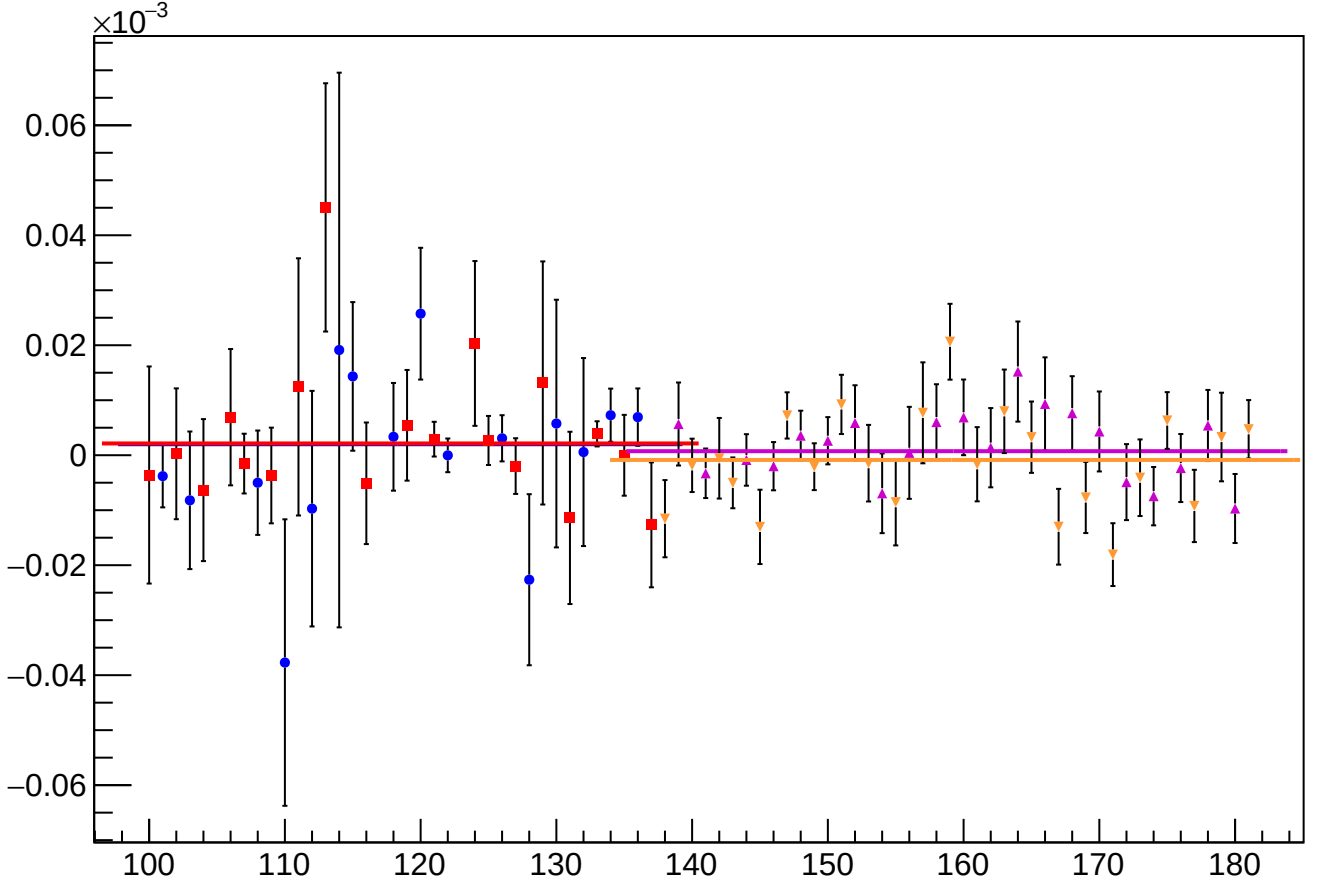
Right Out: 86.073+/-0.023 χ^2/NDF: 991371.4/18

Left In: 78.378+/-0.014 χ^2/NDF:490783.8/20

+ sign 79.436+/-0.011 χ^2/NDF: 1533783.3/38

All: 79.859+/-0.008 χ^2/NDF: 3100437.8/78

- sign 80.311+/-0.012 χ^2/NDF: 1563755.8/39



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:45.5/22

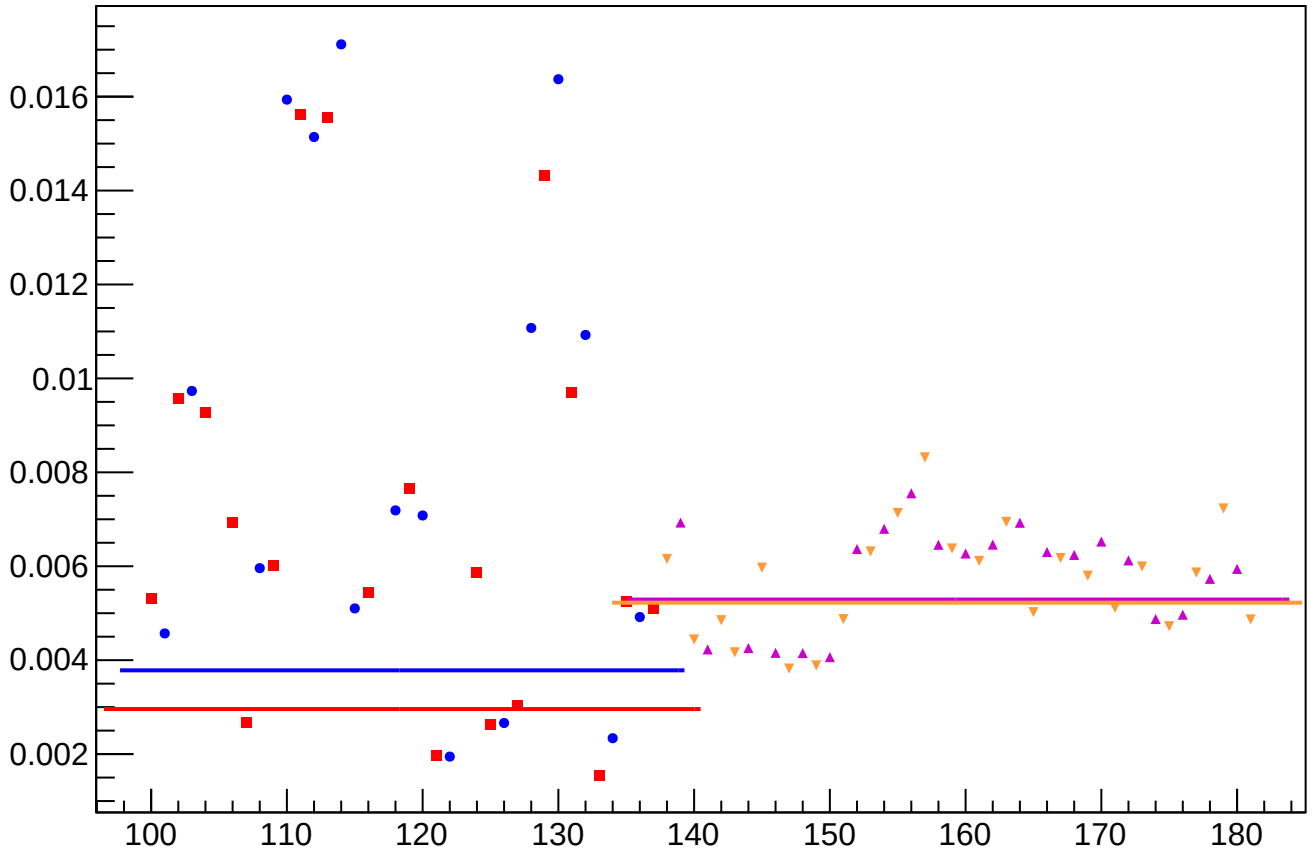
Right Out: 0.000+/-0.000 χ^2/NDF: 11.5/18

Left In: 0.000+/-0.000 χ^2/NDF:16.8/20

+ sign 0.000+/-0.000 χ^2/NDF: 62.2/38

All: 0.000+/-0.000 χ^2/NDF: 91.9/78

- sign 0.000+/-0.000 χ^2/NDF: 28.9/39



Right In: 0.004+/-0.000 χ^2/NDF: 4694299.9/15

Left Out: 0.005+/-0.000 χ^2/NDF:1489347.6/22

Right Out: 0.003+/-0.000 χ^2/NDF: 5548113.4/18

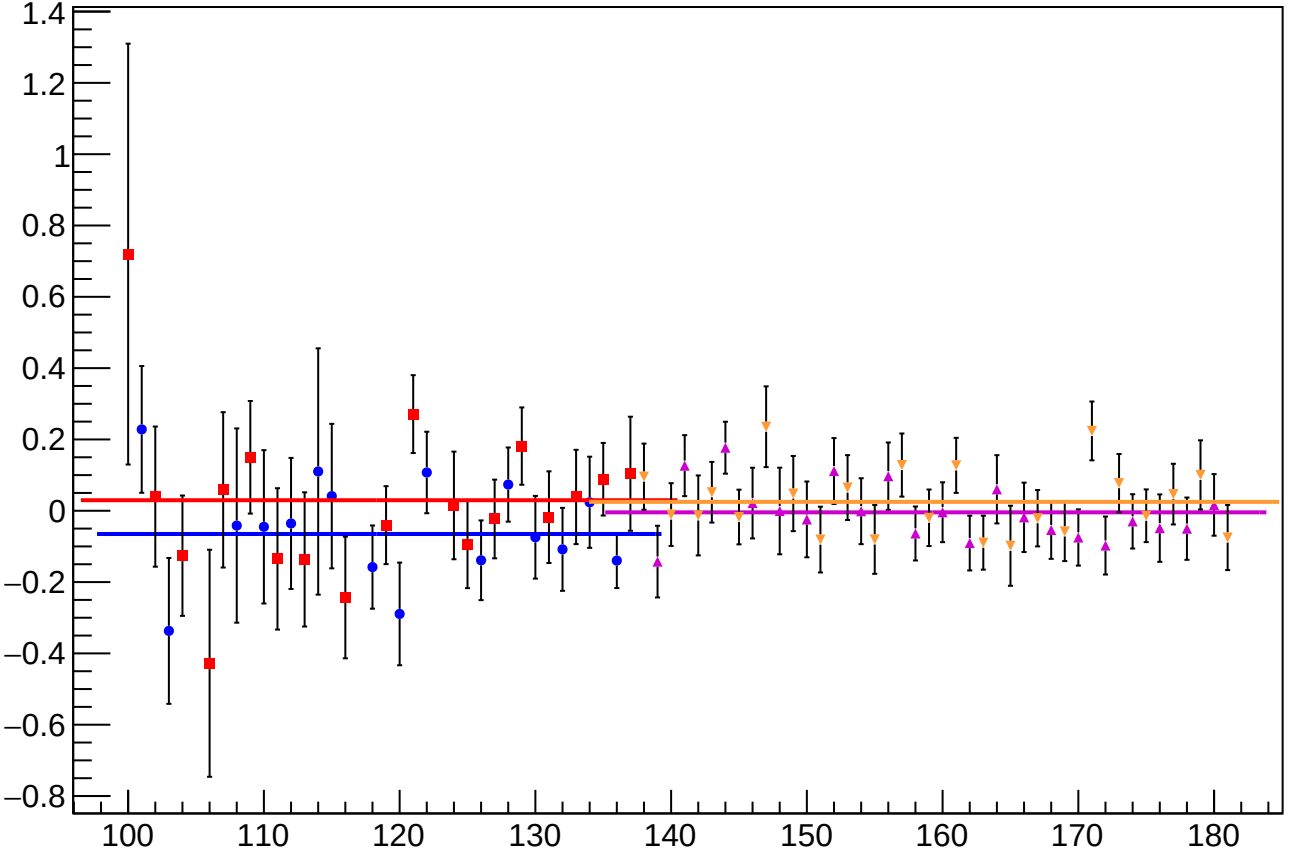
Left In: 0.005+/-0.000 χ^2/NDF:1427041.0/20

+ sign 0.005+/-0.000 χ^2/NDF: 7081904.6/38

All: 0.004+/-0.000 χ^2/NDF: 17297623.1/78

- sign 0.004+/-0.000 χ^2/NDF: 9927183.6/39

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: 0.025+/-0.018 χ^2/NDF:24.1/22

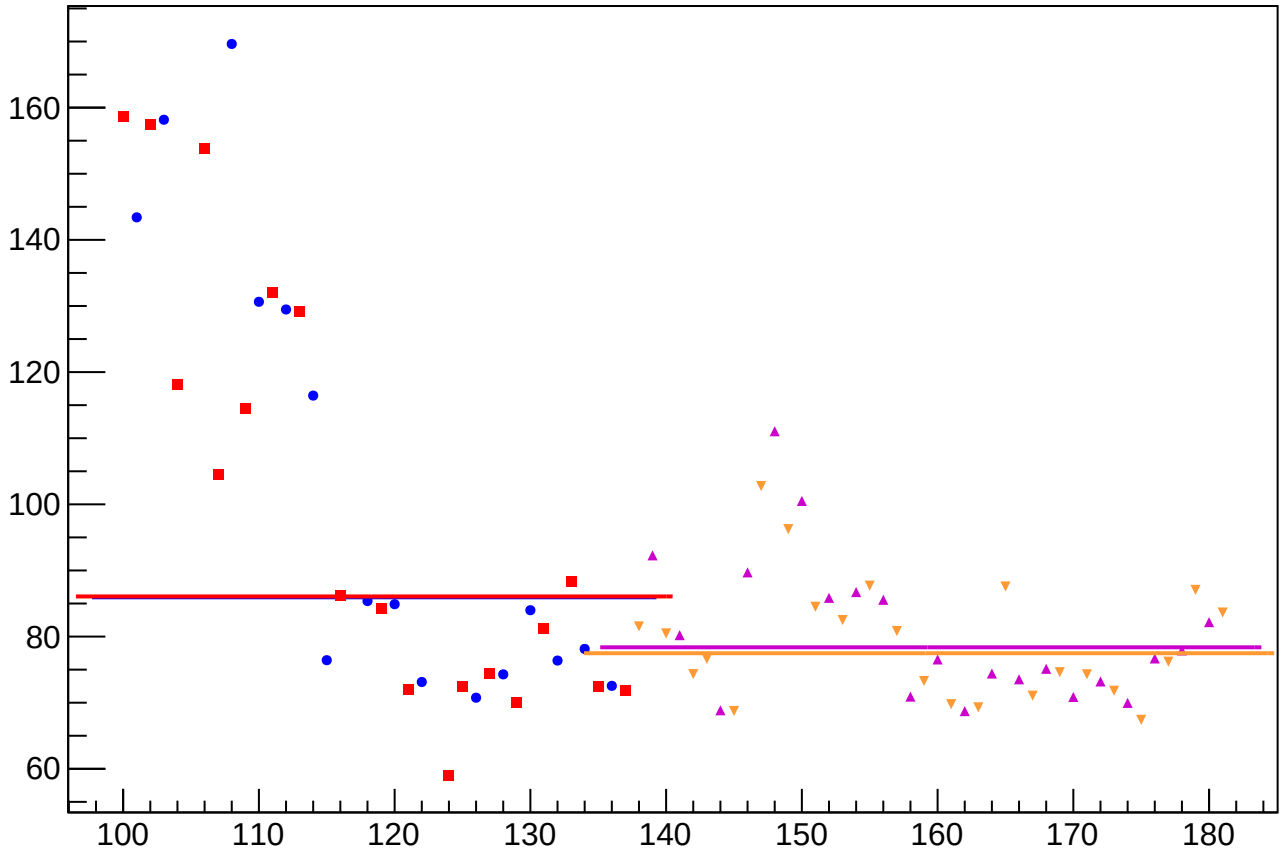
Right Out: 0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: -0.004+/-0.019 χ^2/NDF:18.8/20

+ sign 0.004+/-0.016 χ^2/NDF: 43.9/38

All: 0.004+/-0.011 χ^2/NDF: 81.5/78

- sign 0.004+/-0.017 χ^2/NDF: 37.6/39



Right In: 85.943+/-0.024 χ^2/NDF: 1034986.7/15

Left Out: 77.482+/-0.013 χ^2/NDF:399493.4/22

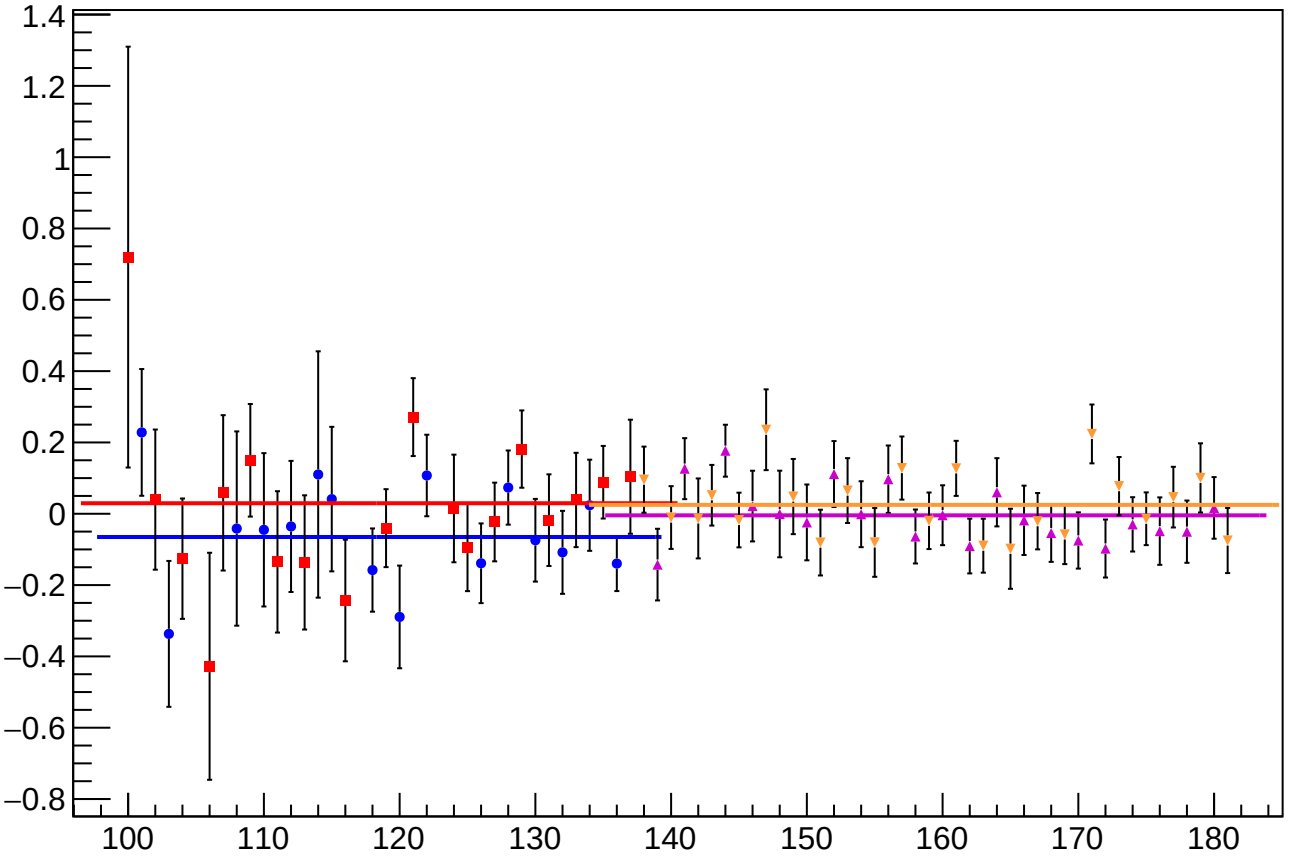
Right Out: 86.070+/-0.023 χ^2/NDF: 991365.2/18

Left In: 78.378+/-0.013 χ^2/NDF:490822.5/20

+ sign 79.435+/-0.011 χ^2/NDF: 1533759.8/38

All: 79.859+/-0.008 χ^2/NDF: 3100417.5/78

- sign 80.310+/-0.012 χ^2/NDF: 1563760.1/39



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.025+/-0.018 χ^2/NDF:24.1/22

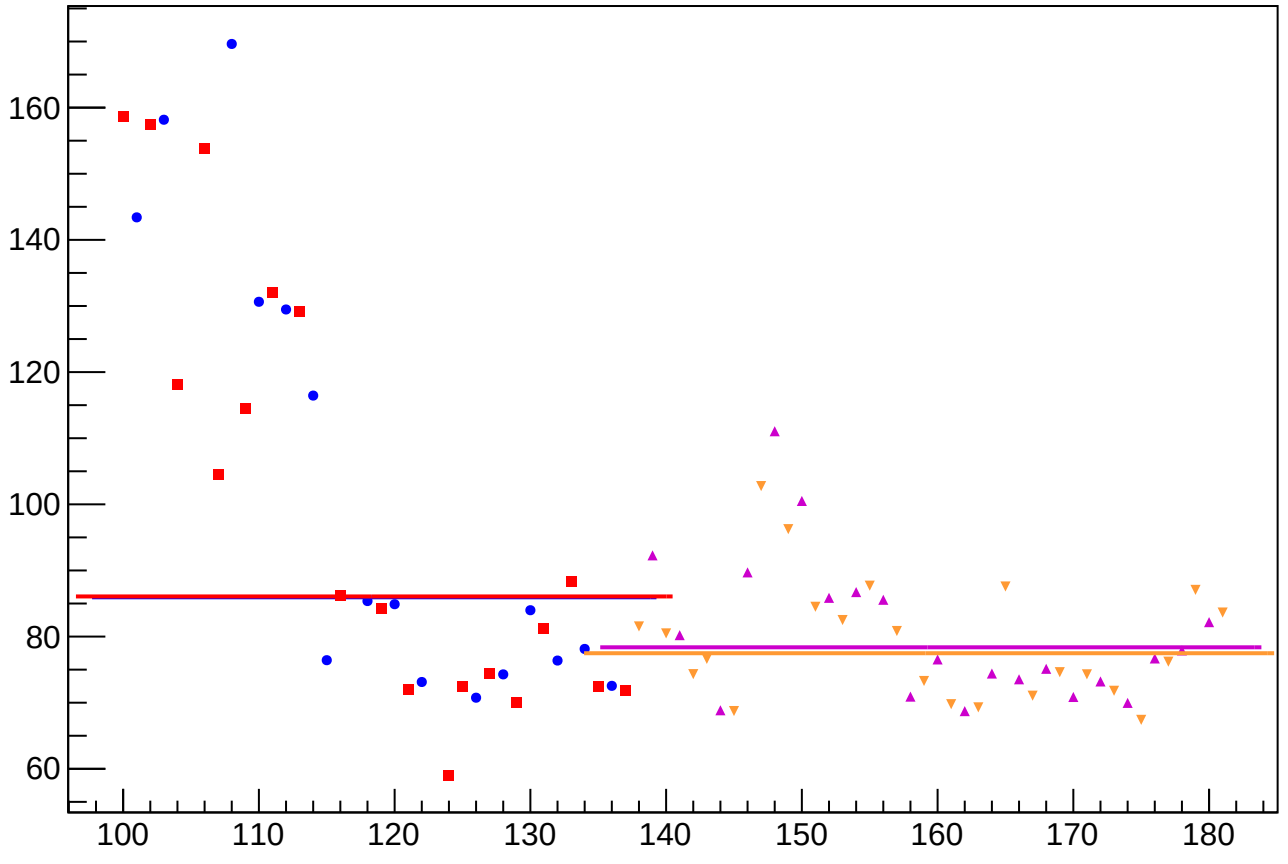
Right Out: 0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: -0.004+/-0.019 χ^2/NDF:18.8/20

+ sign 0.004+/-0.016 χ^2/NDF: 43.9/38

All: 0.004+/-0.011 χ^2/NDF: 81.5/78

- sign 0.004+/-0.017 χ^2/NDF: 37.6/39



Right In: 85.943+/-0.024 χ^2/NDF: 1034986.7/15

Left Out: 77.482+/-0.013 χ^2/NDF:399493.4/22

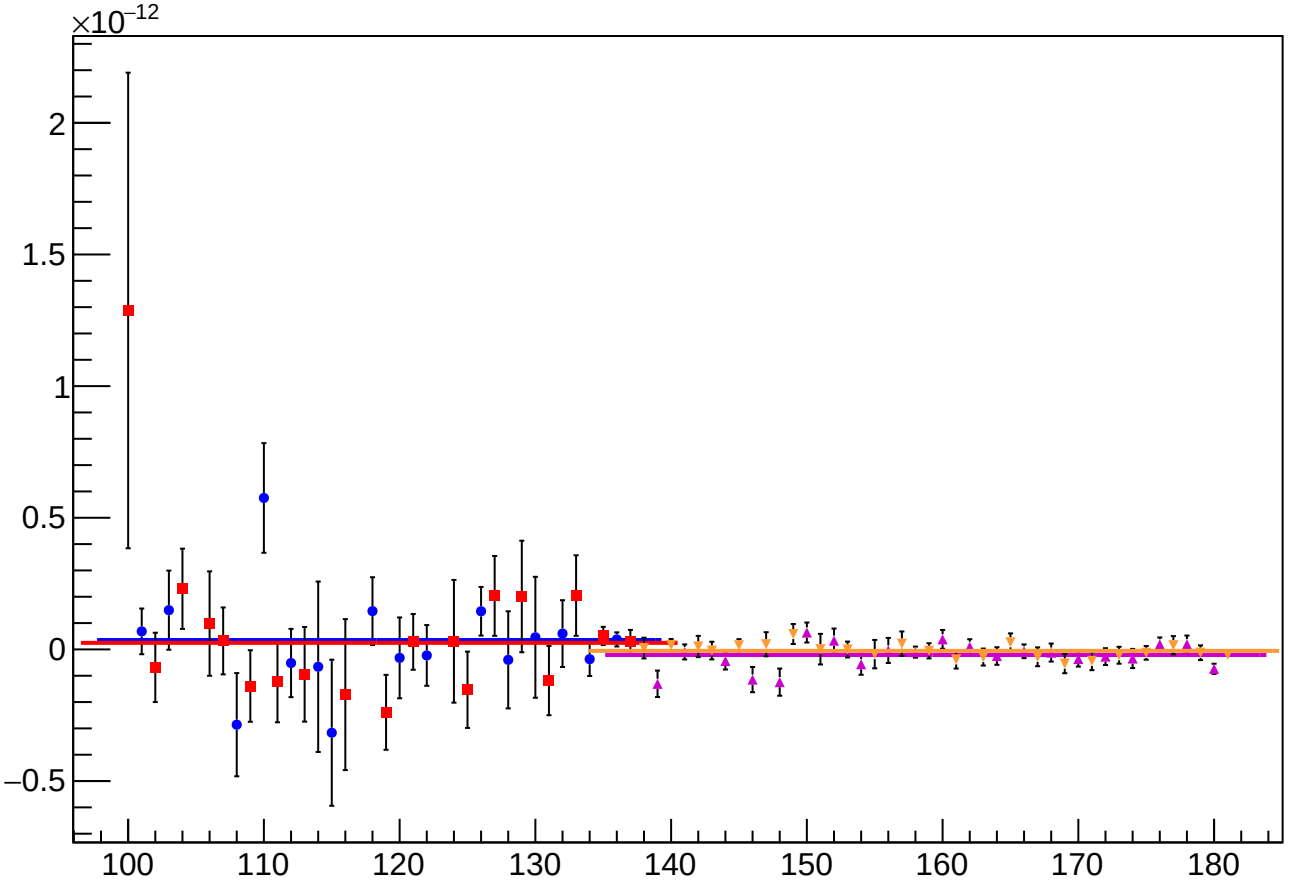
Right Out: 86.070+/-0.023 χ^2/NDF: 991365.2/18

Left In: 78.378+/-0.013 χ^2/NDF:490822.5/20

+ sign 79.435+/-0.011 χ^2/NDF: 1533759.8/38

All: 79.859+/-0.008 χ^2/NDF: 3100417.5/78

- sign 80.310+/-0.012 χ^2/NDF: 1563760.1/39



Right In: 0.000+/-0.000 χ^2/NDF: 16.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.7/22

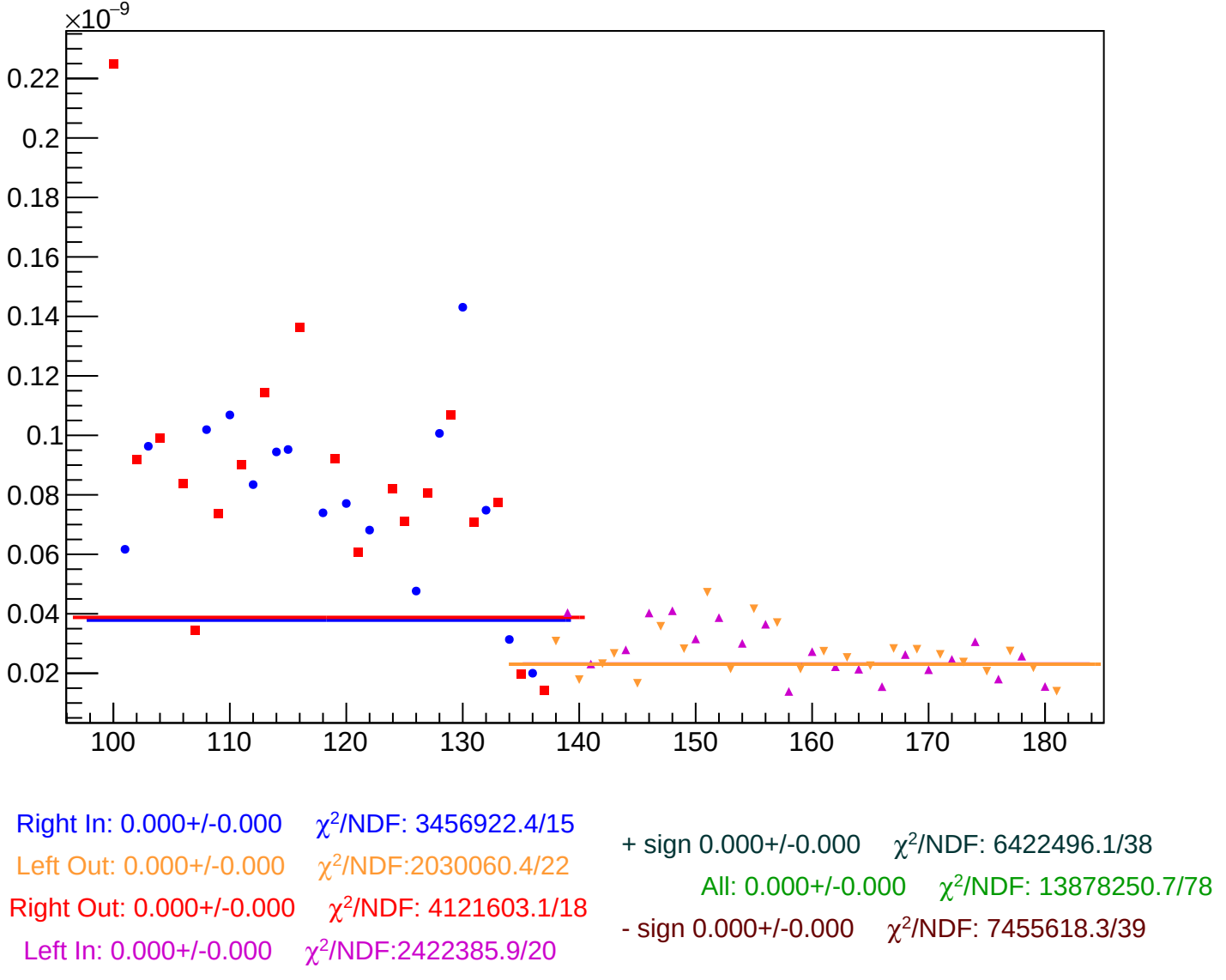
Right Out: 0.000+/-0.000 χ^2/NDF: 17.9/18

Left In: -0.000+/-0.000 χ^2/NDF:36.9/20

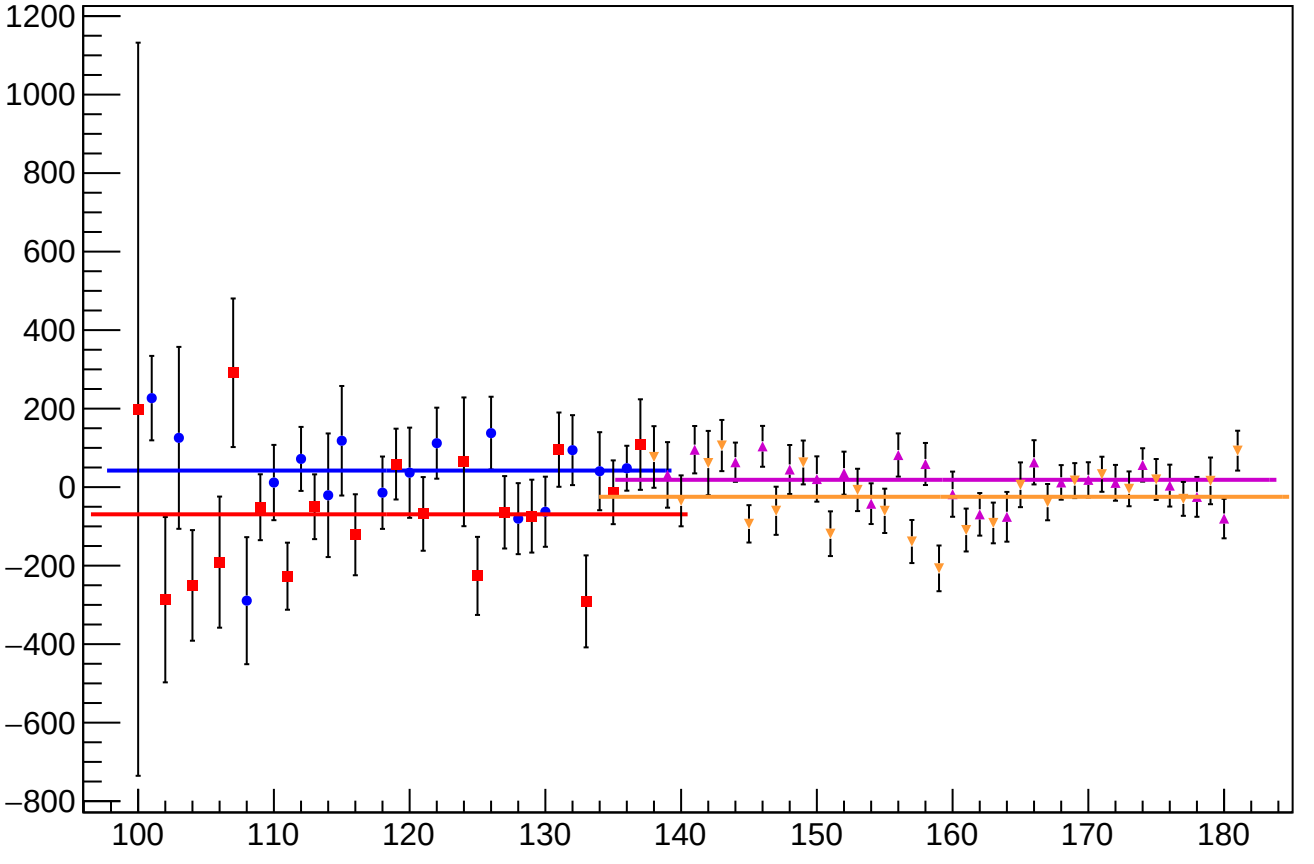
+ sign -0.000+/-0.000 χ^2/NDF: 32.7/38

All: -0.000+/-0.000 χ^2/NDF: 94.4/78

- sign -0.000+/-0.000 χ^2/NDF: 58.8/39


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:2030060.4/22
Right Out: 0.000+/-0.000 χ²/NDF: 4121603.1/18
Left In: 0.000+/-0.000 χ²/NDF:2422385.9/20
+ sign 0.000+/-0.000 χ²/NDF: 6422496.1/38
All: 0.000+/-0.000 χ²/NDF: 13878250.7/78
- sign 0.000+/-0.000 χ²/NDF: 7455618.3/39

reg_asym_sam_37_dd_mean vs Slug



Right In: 42.220+/-24.207 χ^2/NDF: 13.6/15

Left Out: -24.620+/-11.196 χ^2/NDF:42.7/22

Right Out: -69.249+/-24.418 χ^2/NDF: 25.4/18

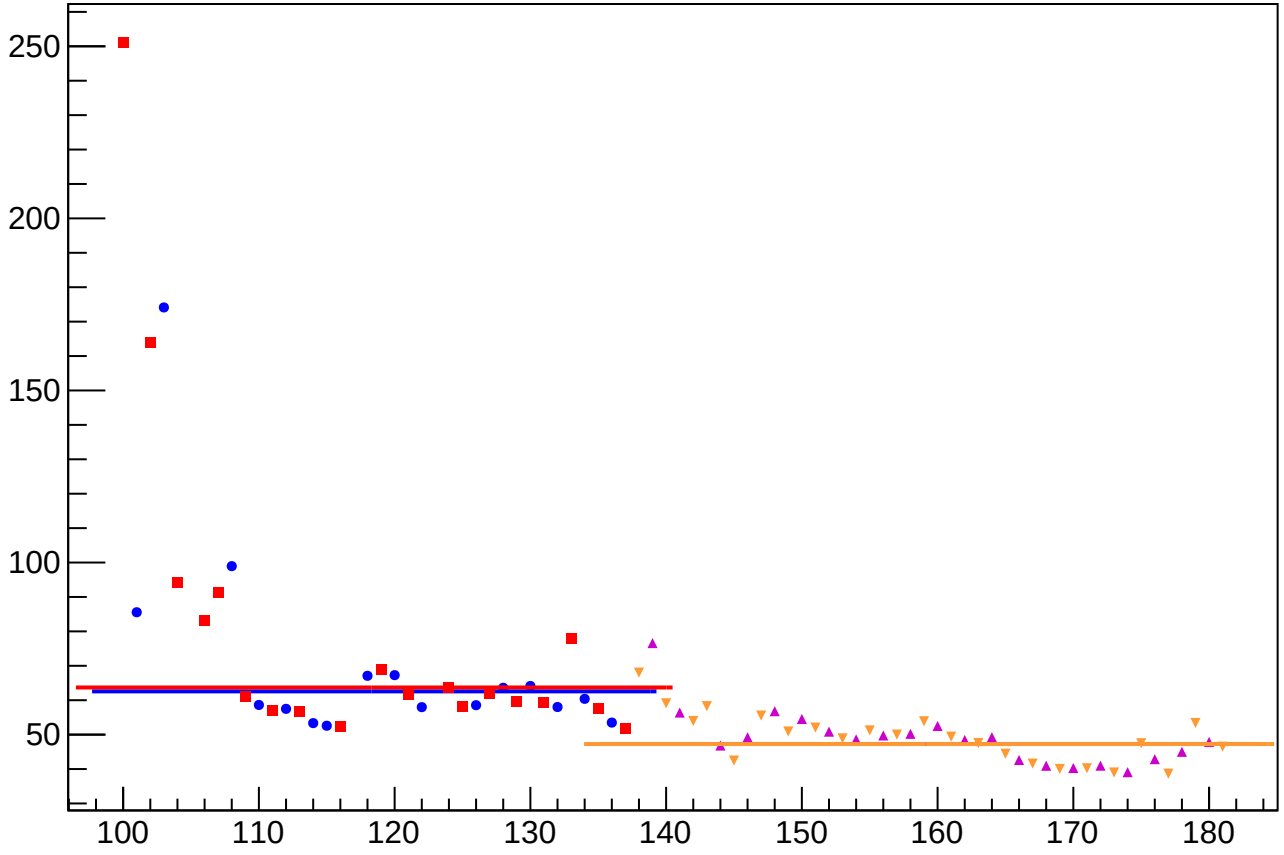
Left In: 18.653+/-11.536 χ^2/NDF:20.0/20

+ sign -12.842+/-10.162 χ^2/NDF: 62.6/38

All: -5.316+/-7.279 χ^2/NDF: 119.7/78

- sign 2.614+/-10.431 χ^2/NDF: 56.0/39

reg_asym_sam_37_dd_rms vs Slug



Right In: 62.566+/-0.017 χ^2/NDF: 758603.5/15

Left Out: 47.261+/-0.008 χ^2/NDF:710369.5/22

Right Out: 63.699+/-0.017 χ^2/NDF: 834180.2/18

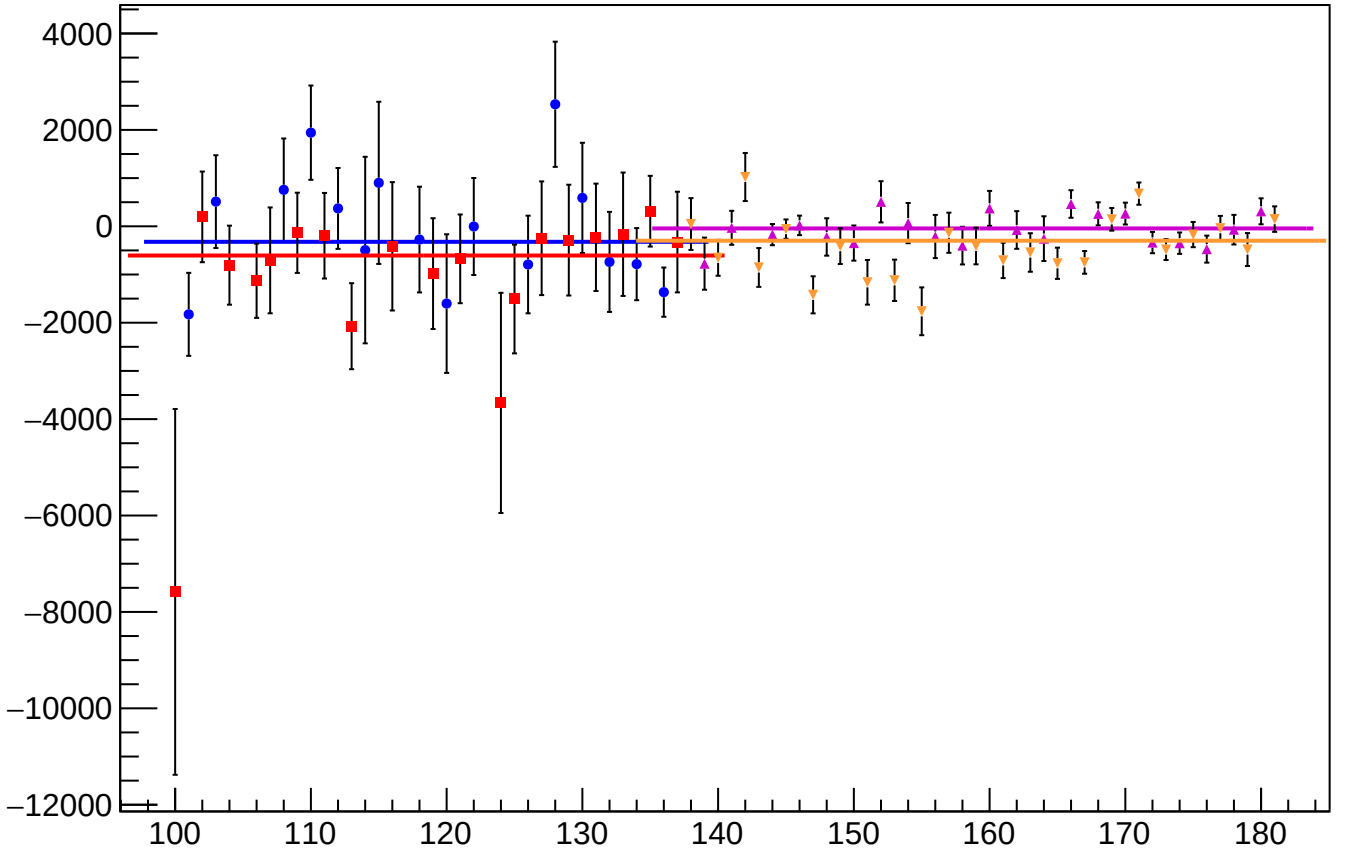
Left In: 47.275+/-0.008 χ^2/NDF:646680.3/20

+ sign 49.958+/-0.007 χ^2/NDF: 2127550.8/38

All: 50.111+/-0.005 χ^2/NDF: 4349059.4/78

- sign 50.272+/-0.007 χ^2/NDF: 2220576.9/39

asym_sam_37_dd_reg_correction_mean vs Slug



Right In: -321.663+/-238.482 χ^2/NDF: 22.7/15

Left Out: -298.773+/-64.708 χ^2/NDF:70.4/22

Right Out: -605.859+/-233.643 χ^2/NDF: 12.5/18

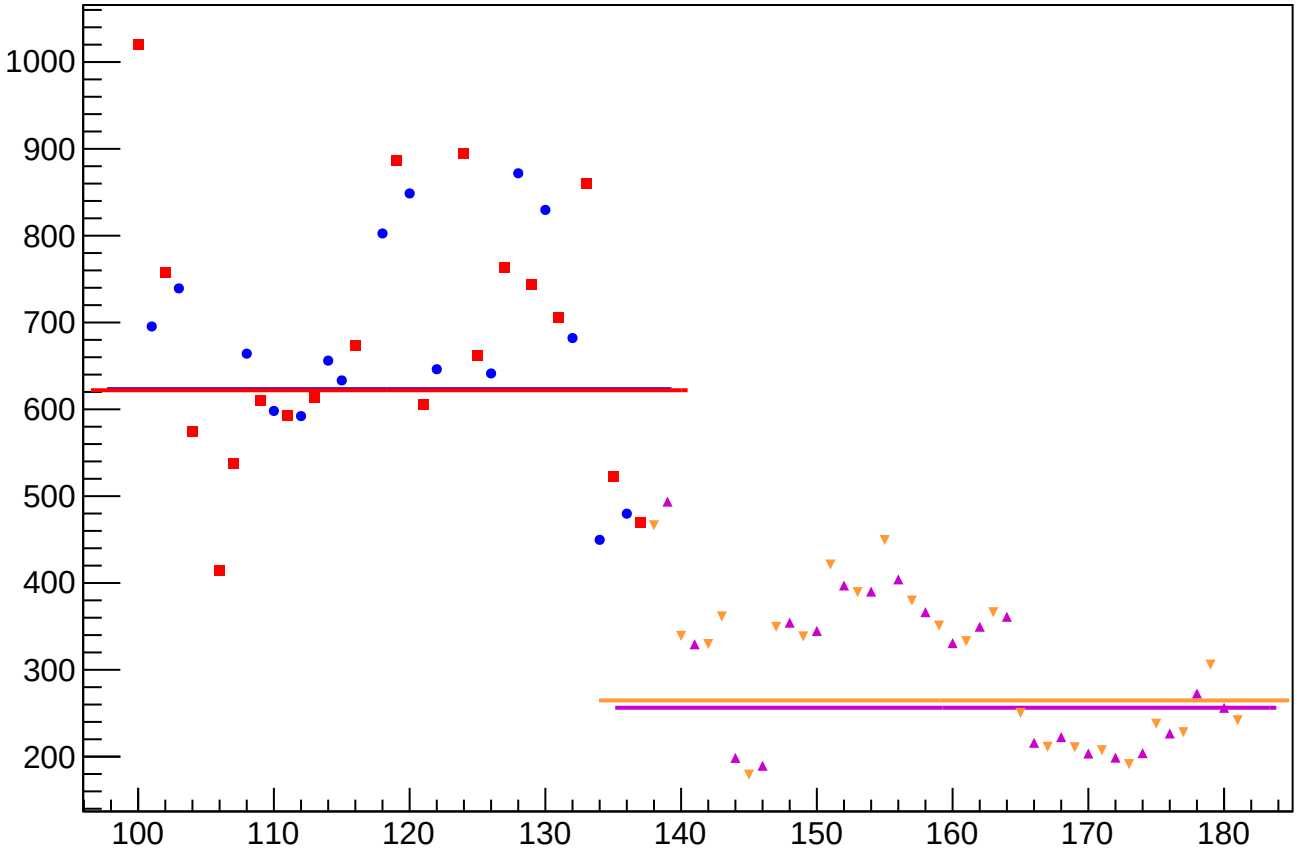
Left In: -44.357+/-64.656 χ^2/NDF:21.8/20

\+ sign -300.342+/-62.450 χ^2/NDF: 93.1/38

All: -192.085+/-44.111 χ^2/NDF: 138.7/78

\- sign -84.298+/-62.314 χ^2/NDF: 39.6/39

asym_sam_37_dd_reg_correction_rms vs Slug



Right In: 623.181+/-0.169 χ^2/NDF: 565524.7/15

Left Out: 264.707+/-0.046 χ^2/NDF:2848779.8/22

Right Out: 621.975+/-0.165 χ^2/NDF: 582591.9/18

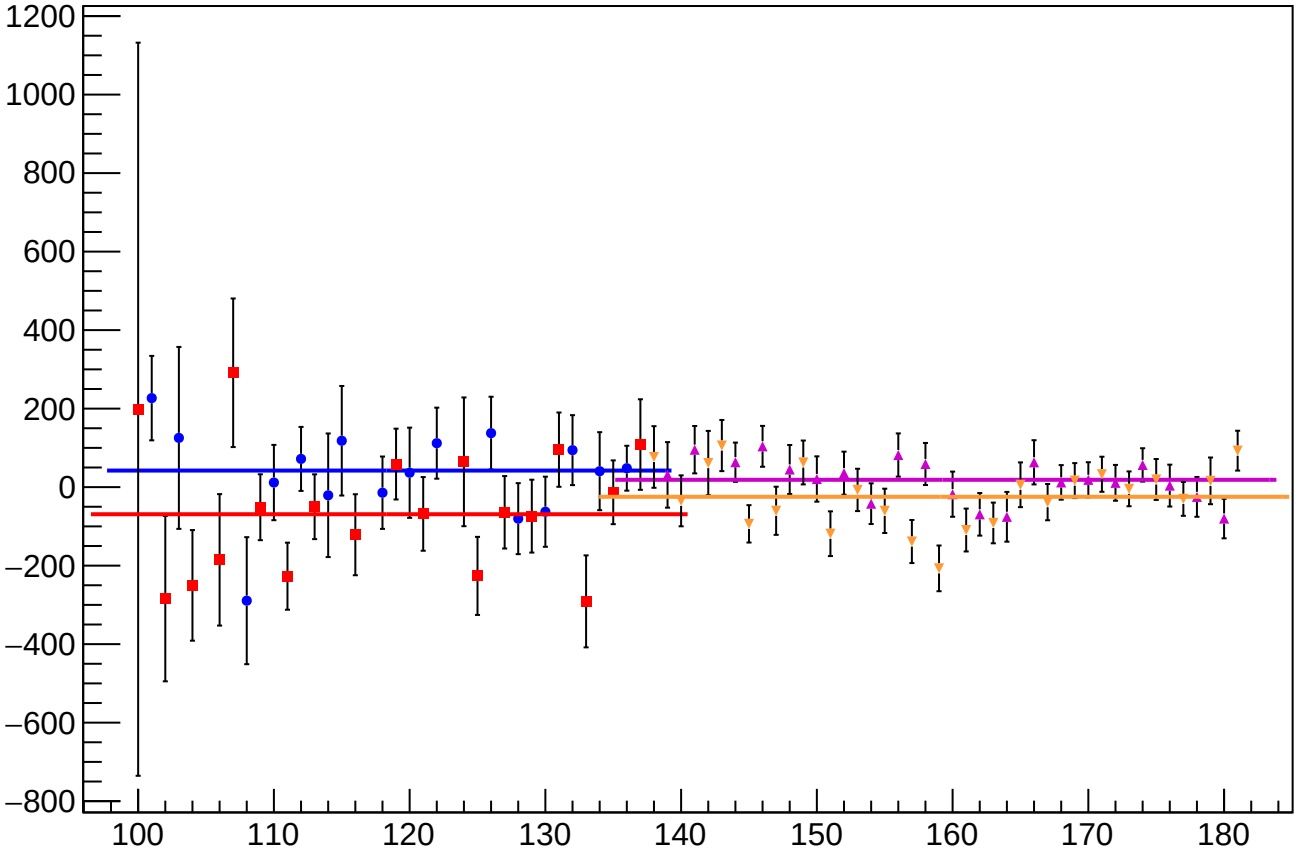
Left In: 256.332+/-0.046 χ^2/NDF:2633715.3/20

+ sign 289.288+/-0.044 χ^2/NDF: 7623346.0/38

All: 285.807+/-0.031 χ^2/NDF: 15401856.0/78

- sign 282.341+/-0.044 χ^2/NDF: 7766107.7/39

cor_asym_sam_37_dd_mean vs Slug



Right In: 42.213+/-24.207 χ^2/NDF: 13.6/15

Left Out: -24.618+/-11.196 χ^2/NDF:42.7/22

Right Out: -69.068+/-24.420 χ^2/NDF: 25.3/18

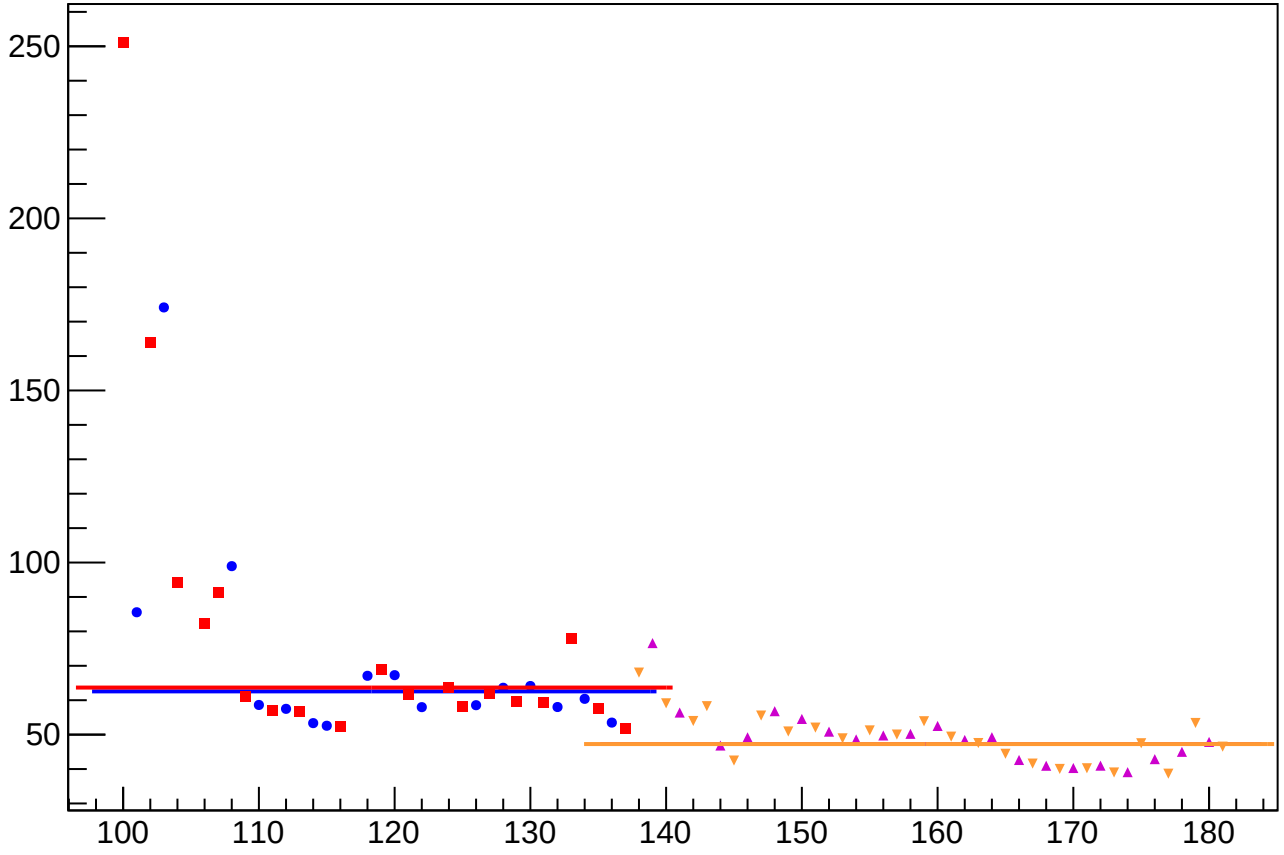
Left In: 18.652+/-11.536 χ^2/NDF:20.0/20

+ sign -12.842+/-10.162 χ^2/NDF: 62.6/38

All: -5.300+/-7.279 χ^2/NDF: 119.6/78

- sign 2.647+/-10.431 χ^2/NDF: 55.9/39

cor_asym_sam_37_dd_rms vs Slug



Right In: 62.566+/-0.017 χ^2/NDF: 758605.6/15

Left Out: 47.261+/-0.008 χ^2/NDF:710369.4/22

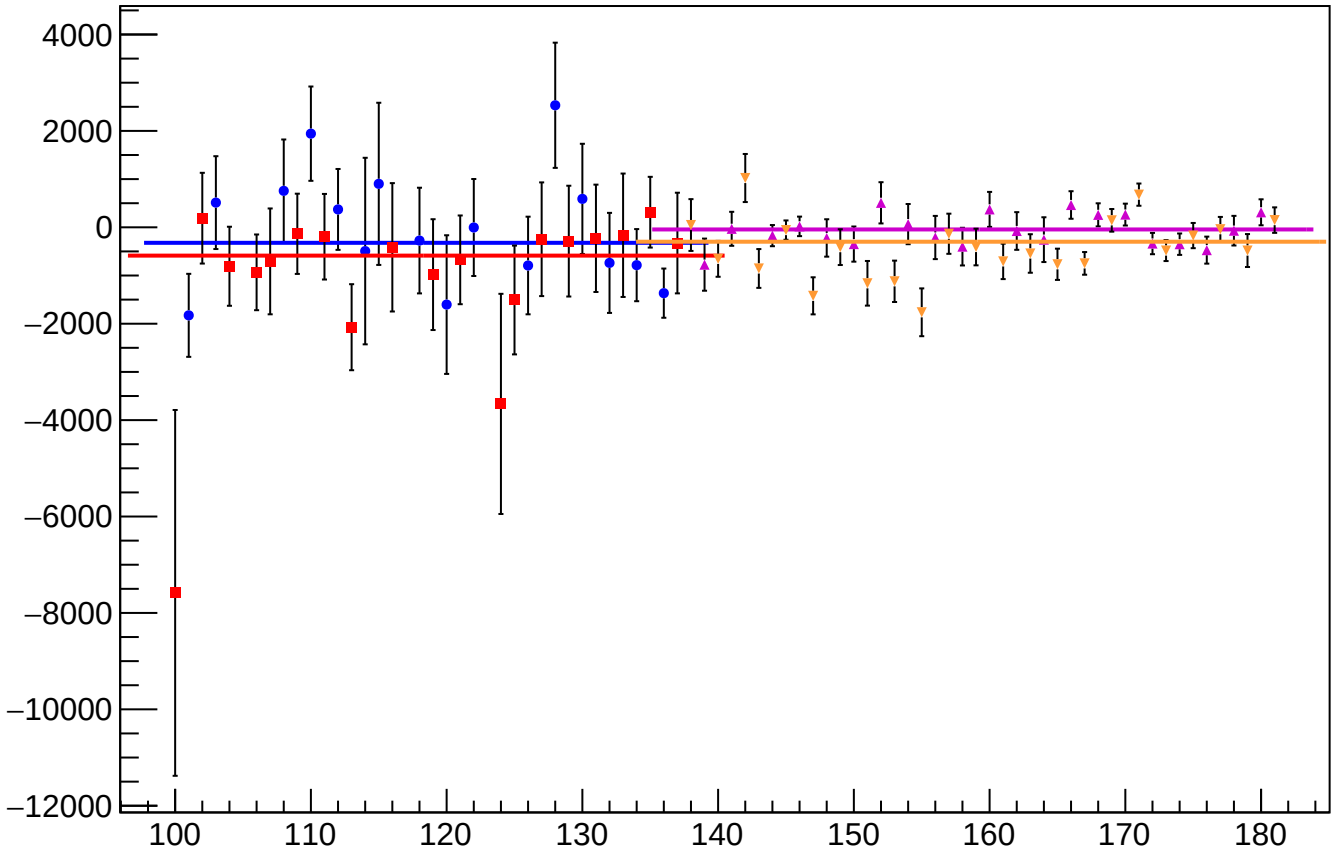
Right Out: 63.675+/-0.017 χ^2/NDF: 831432.5/18

Left In: 47.275+/-0.008 χ^2/NDF:646680.3/20

+ sign 49.958+/-0.007 χ^2/NDF: 2127552.5/38

All: 50.109+/-0.005 χ^2/NDF: 4344039.6/78

- sign 50.267+/-0.007 χ^2/NDF: 2215583.1/39



Right In: -321.660+/-238.484 χ^2/NDF: 22.7/15

Left Out: -298.769+/-64.708 χ^2/NDF:70.4/22

Right Out: -587.224+/-234.080 χ^2/NDF: 12.2/18

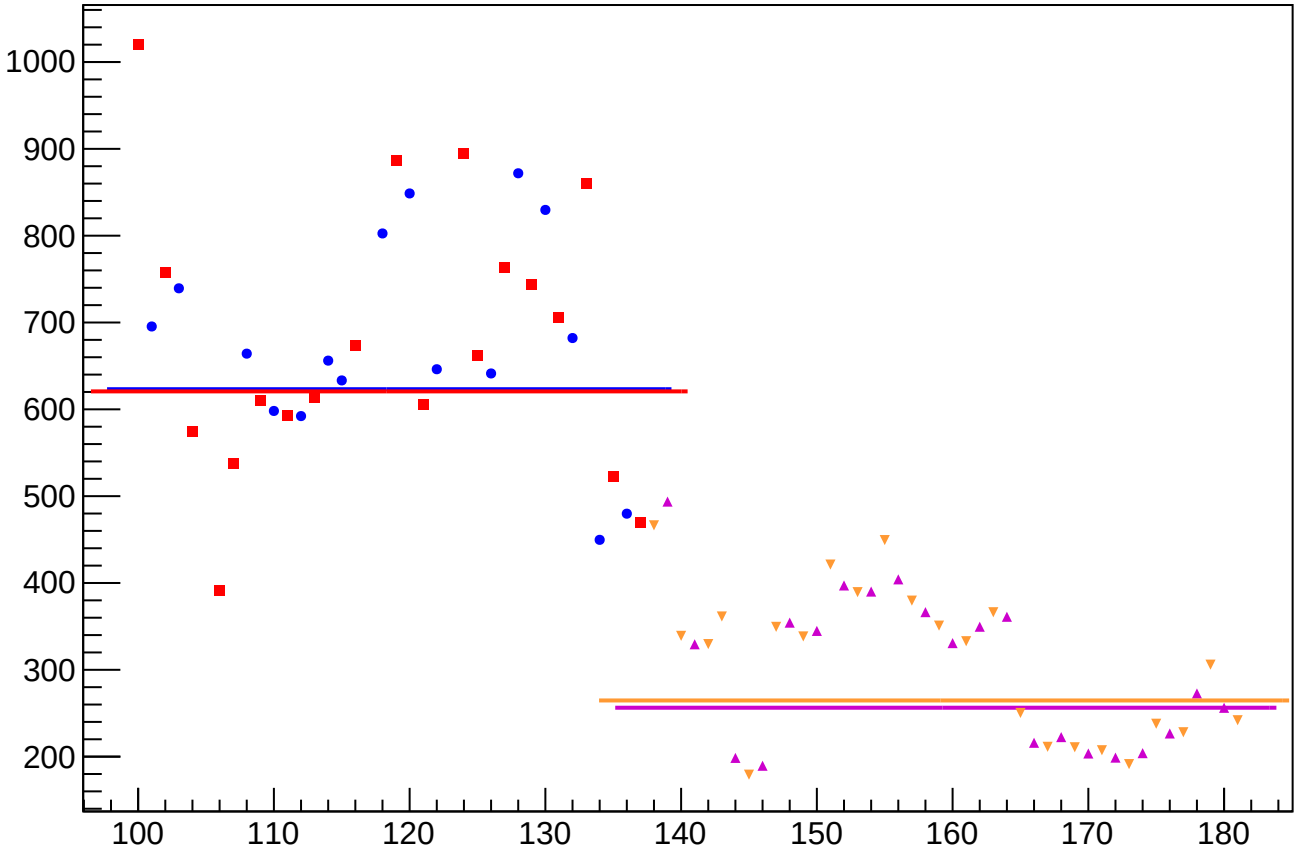
Left In: -44.359+/-64.656 χ^2/NDF:21.8/20

+ sign -300.339+/-62.450 χ^2/NDF: 93.1/38

All: -191.367+/-44.114 χ^2/NDF: 138.1/78

- sign -82.840+/-62.322 χ^2/NDF: 38.9/39

asym_sam_37_dd_cor_correction_rms vs Slug



Right In: 623.184+/-0.169 χ^2/NDF: 565557.0/15

Left Out: 264.706+/-0.046 χ^2/NDF:2848786.3/22

Right Out: 620.673+/-0.166 χ^2/NDF: 610523.8/18

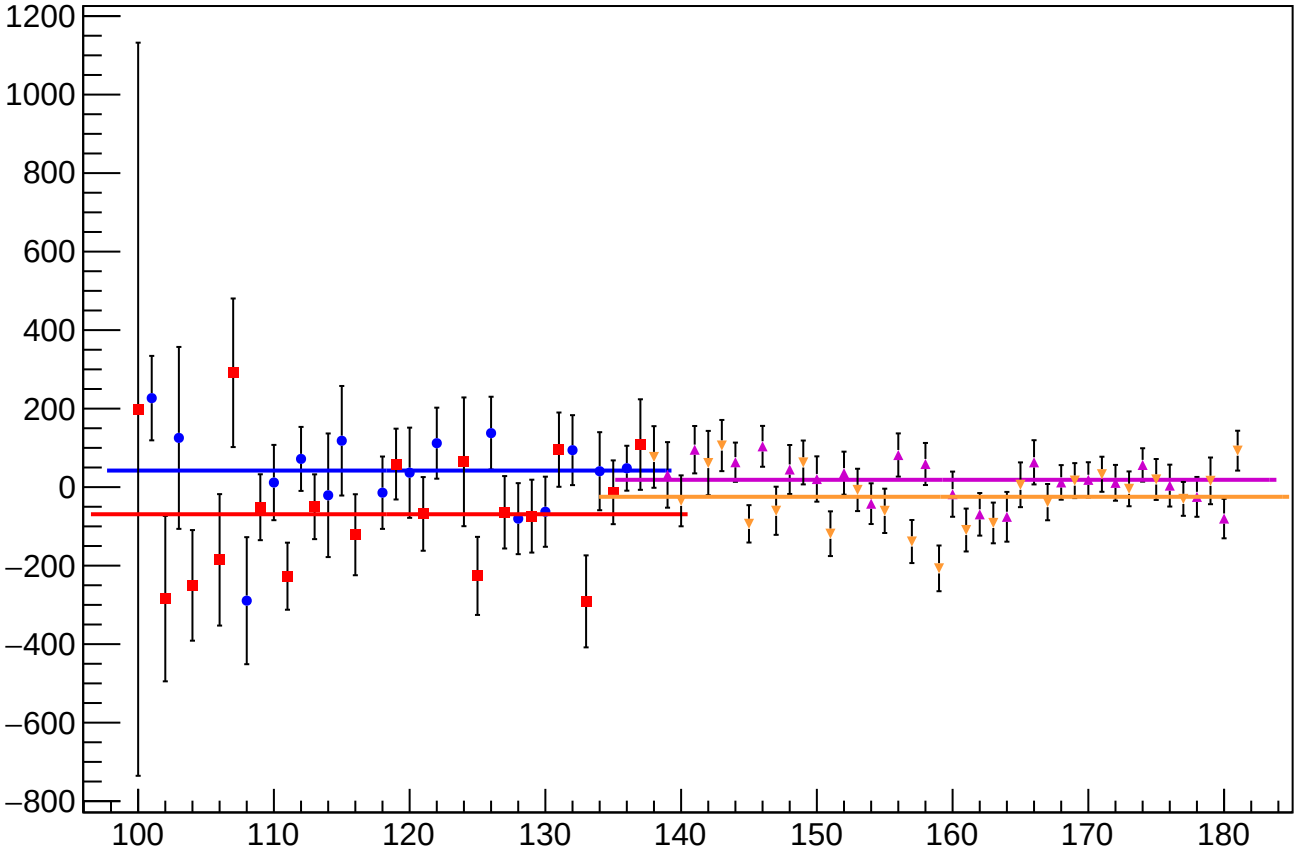
Left In: 256.332+/-0.046 χ^2/NDF:2633710.3/20

+ sign 289.288+/-0.044 χ^2/NDF: 7623408.2/38

All: 285.716+/-0.031 χ^2/NDF: 15382509.3/78

- sign 282.158+/-0.044 χ^2/NDF: 7746042.2/39

eigen_cor_asym_sam_37_dd_mean vs Slug



Right In: 42.213+/-24.207 χ^2/NDF: 13.6/15

Left Out: -24.618+/-11.196 χ^2/NDF:42.7/22

Right Out: -69.068+/-24.420 χ^2/NDF: 25.3/18

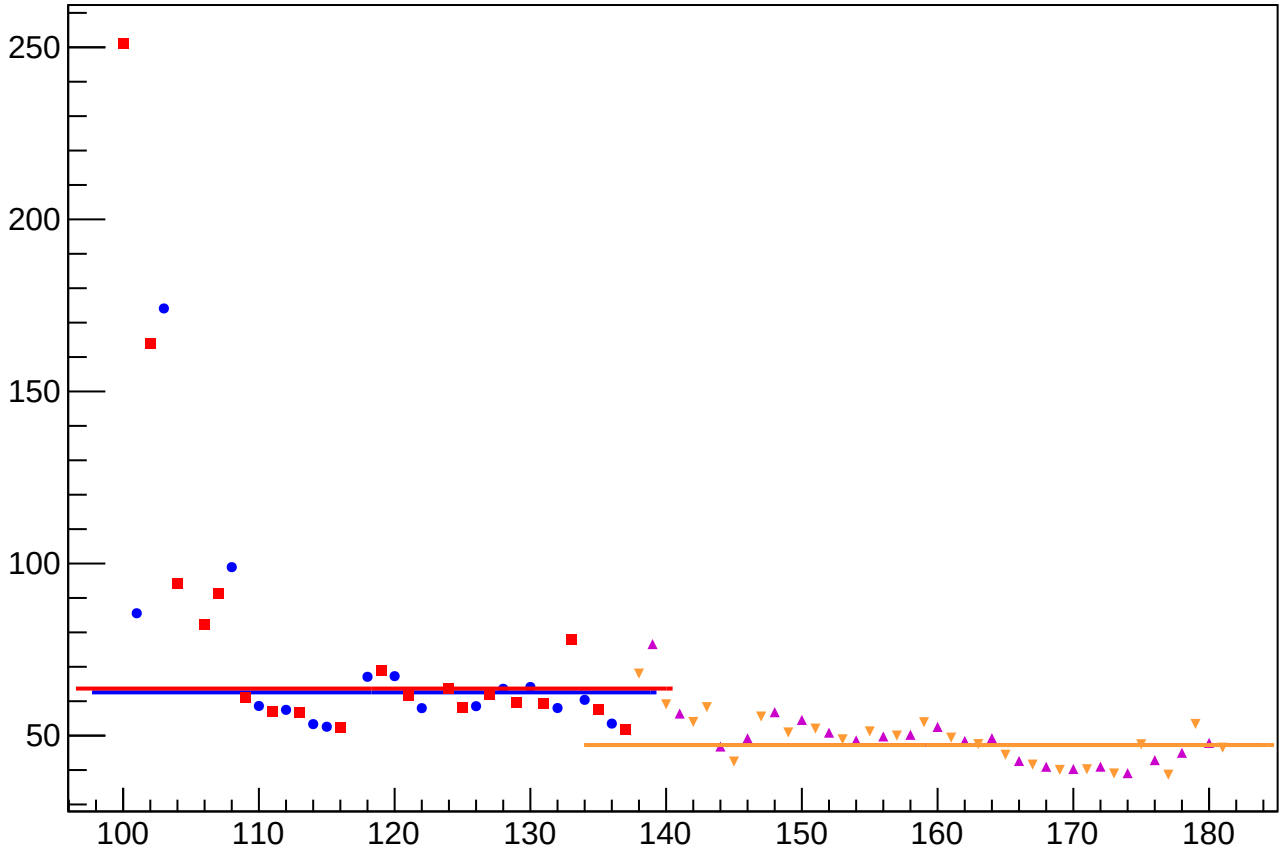
Left In: 18.652+/-11.536 χ^2/NDF:20.0/20

+ sign -12.842+/-10.162 χ^2/NDF: 62.6/38

All: -5.300+/-7.279 χ^2/NDF: 119.6/78

- sign 2.647+/-10.431 χ^2/NDF: 55.9/39

eigen_cor_asym_sam_37_dd_rms vs Slug



Right In: 62.566+/-0.017 χ^2/NDF: 758605.6/15

Left Out: 47.261+/-0.008 χ^2/NDF:710369.4/22

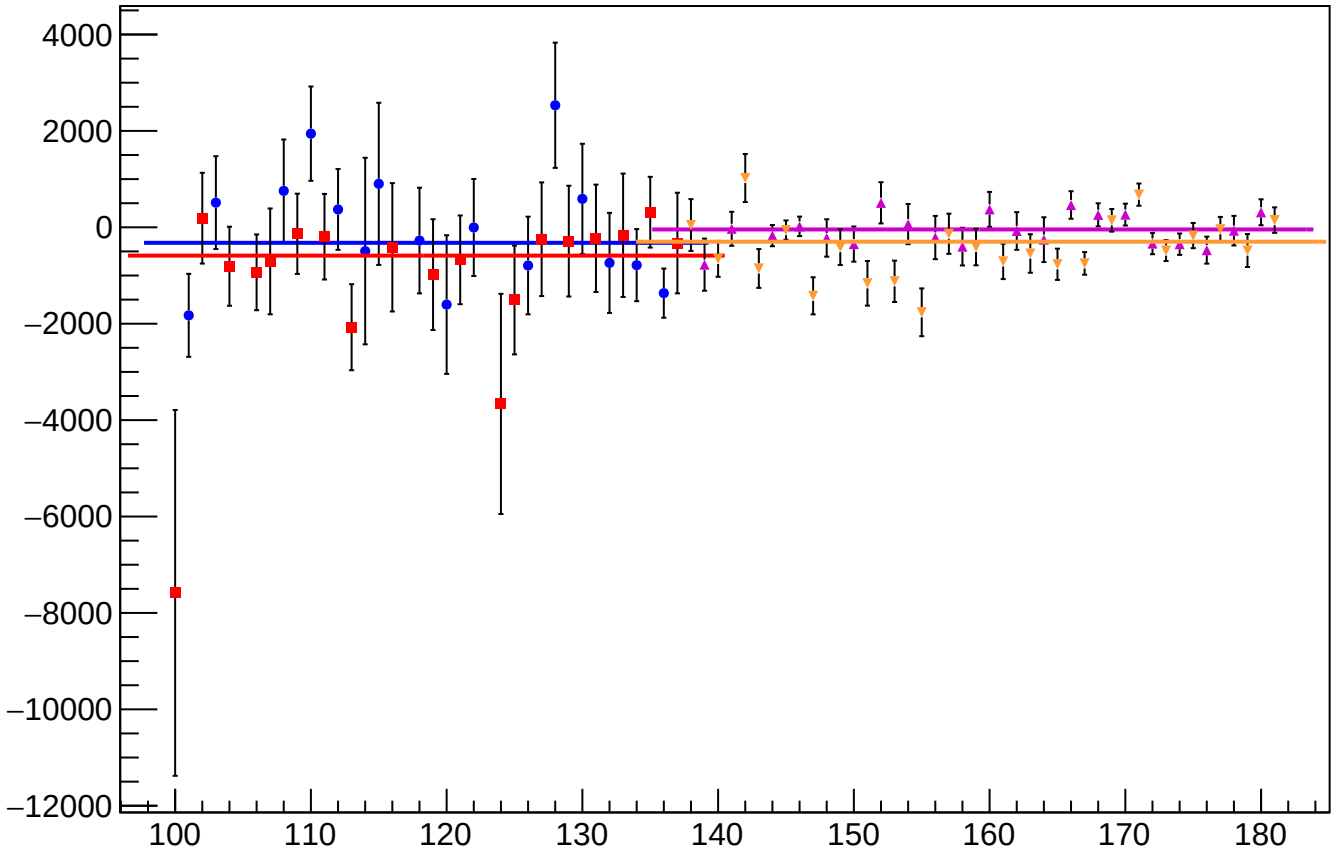
Right Out: 63.675+/-0.017 χ^2/NDF: 831432.5/18

Left In: 47.275+/-0.008 χ^2/NDF:646680.3/20

+ sign 49.958+/-0.007 χ^2/NDF: 2127552.5/38

All: 50.109+/-0.005 χ^2/NDF: 4344039.6/78

- sign 50.267+/-0.007 χ^2/NDF: 2215583.1/39



Right In: -321.660+/-238.484 χ^2/NDF: 22.7/15

Left Out: -298.769+/-64.708 χ^2/NDF:70.4/22

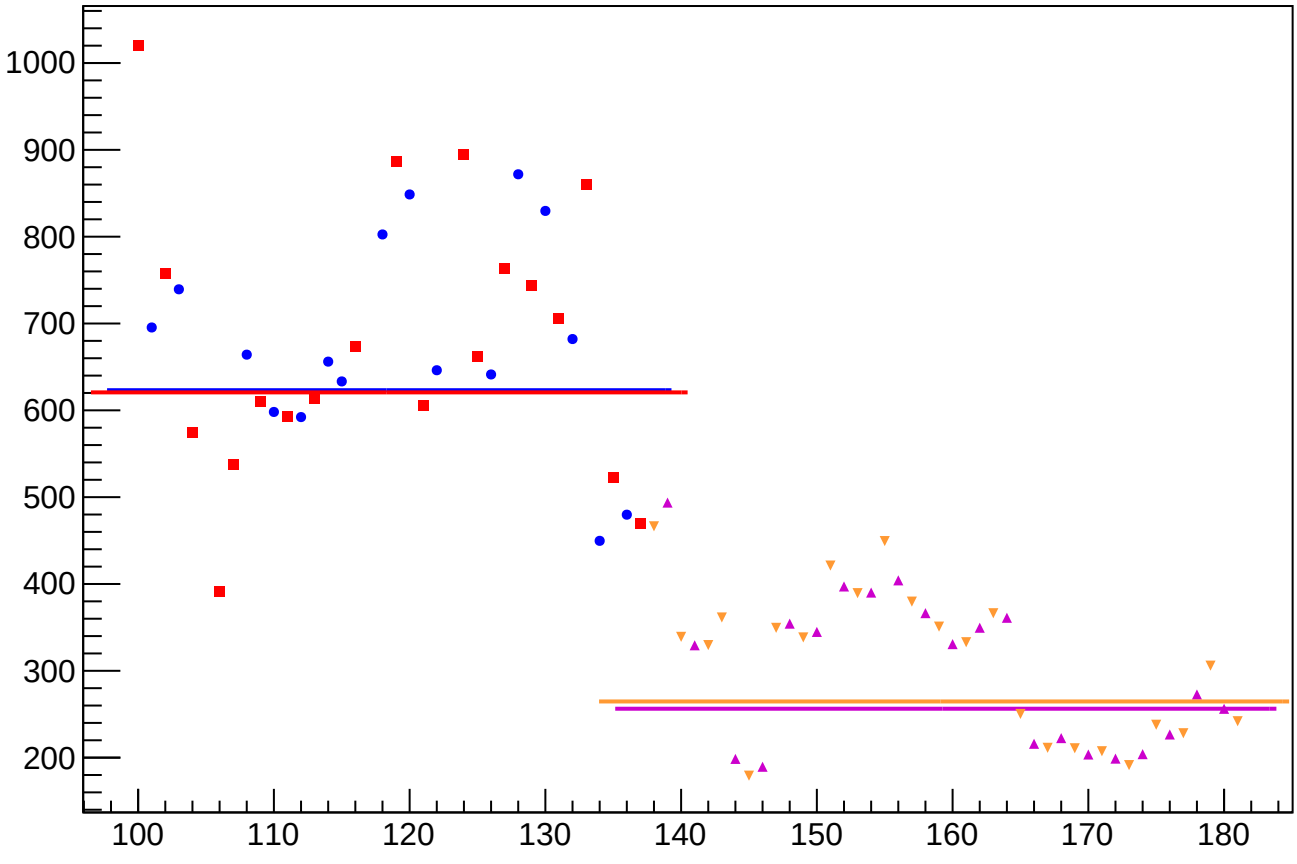
Right Out: -587.224+/-234.080 χ^2/NDF: 12.2/18

Left In: -44.359+/-64.656 χ^2/NDF:21.8/20

+ sign -300.339+/-62.450 χ^2/NDF: 93.1/38

All: -191.367+/-44.114 χ^2/NDF: 138.1/78

- sign -82.840+/-62.322 χ^2/NDF: 38.9/39



Right In: 623.184+/-0.169 χ^2/NDF: 565557.0/15

Left Out: 264.706+/-0.046 χ^2/NDF:2848786.3/22

Right Out: 620.673+/-0.166 χ^2/NDF: 610523.8/18

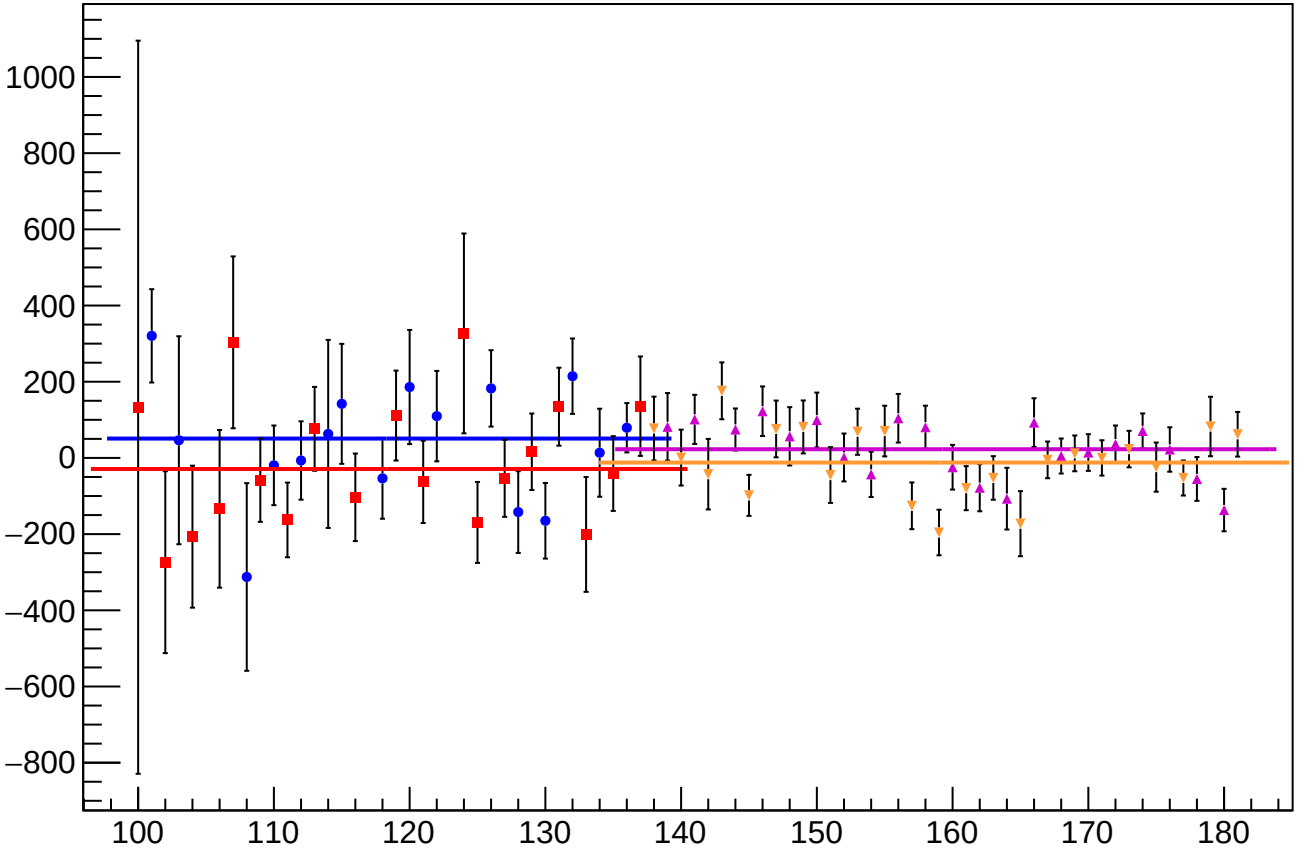
Left In: 256.332+/-0.046 χ^2/NDF:2633710.3/20

+ sign 289.288+/-0.044 χ^2/NDF: 7623408.2/38

All: 285.716+/-0.031 χ^2/NDF: 15382509.3/78

- sign 282.158+/-0.044 χ^2/NDF: 7746042.2/39

dit_asym_sam_37_dd_mean vs Slug



Right In: 50.840+/-28.316 χ^2/NDF: 22.9/15

Left Out: -12.162+/-12.616 χ^2/NDF:39.9/22

Right Out: -29.040+/-28.910 χ^2/NDF: 18.5/18

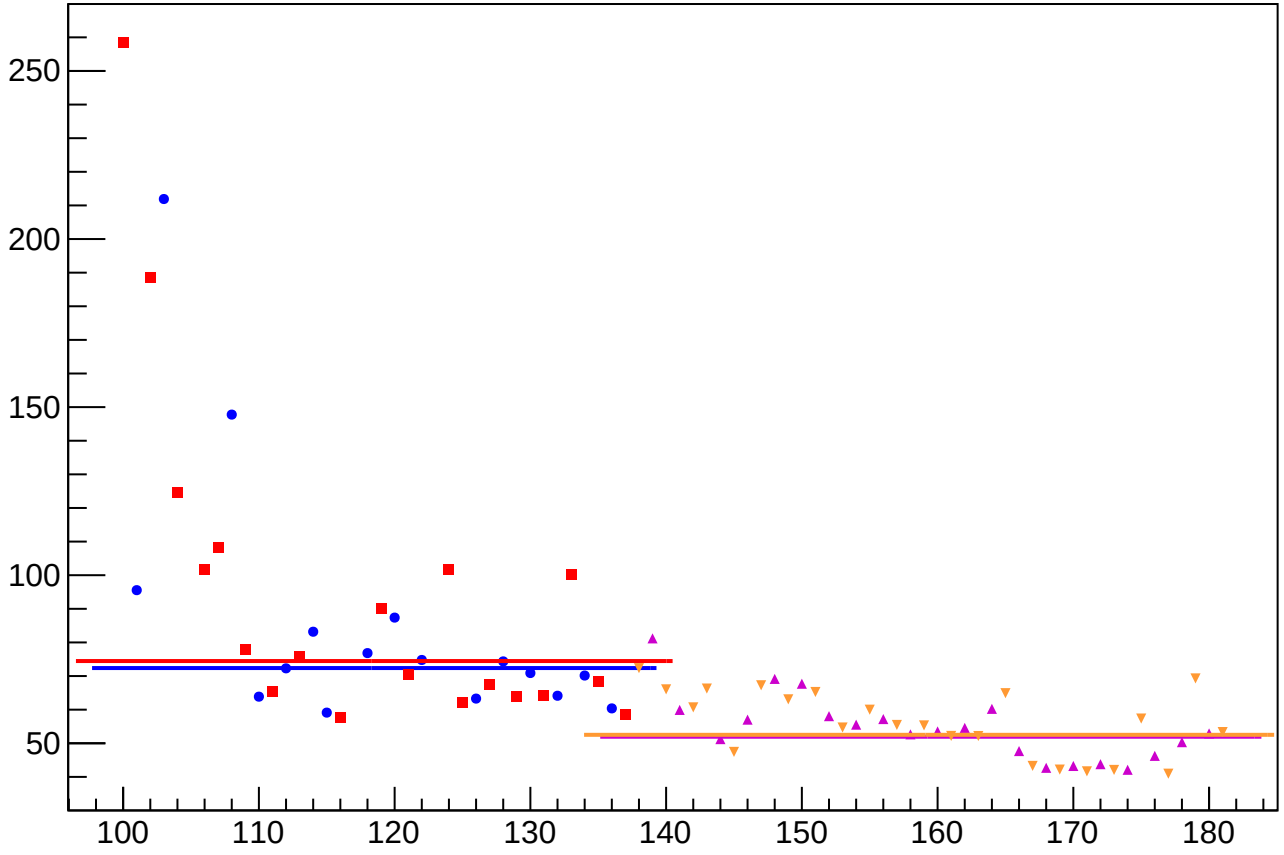
Left In: 22.832+/-12.849 χ^2/NDF:29.0/20

+ sign -1.727+/-11.524 χ^2/NDF: 66.9/38

All: 6.125+/-8.225 χ^2/NDF: 118.1/78

- sign 14.276+/-11.741 χ^2/NDF: 50.2/39

dit_asym_sam_37_dd_rms vs Slug



Right In: 72.378+/-0.020 χ^2/NDF: 938175.3/15

Left Out: 52.518+/-0.009 χ^2/NDF:1152031.0/22

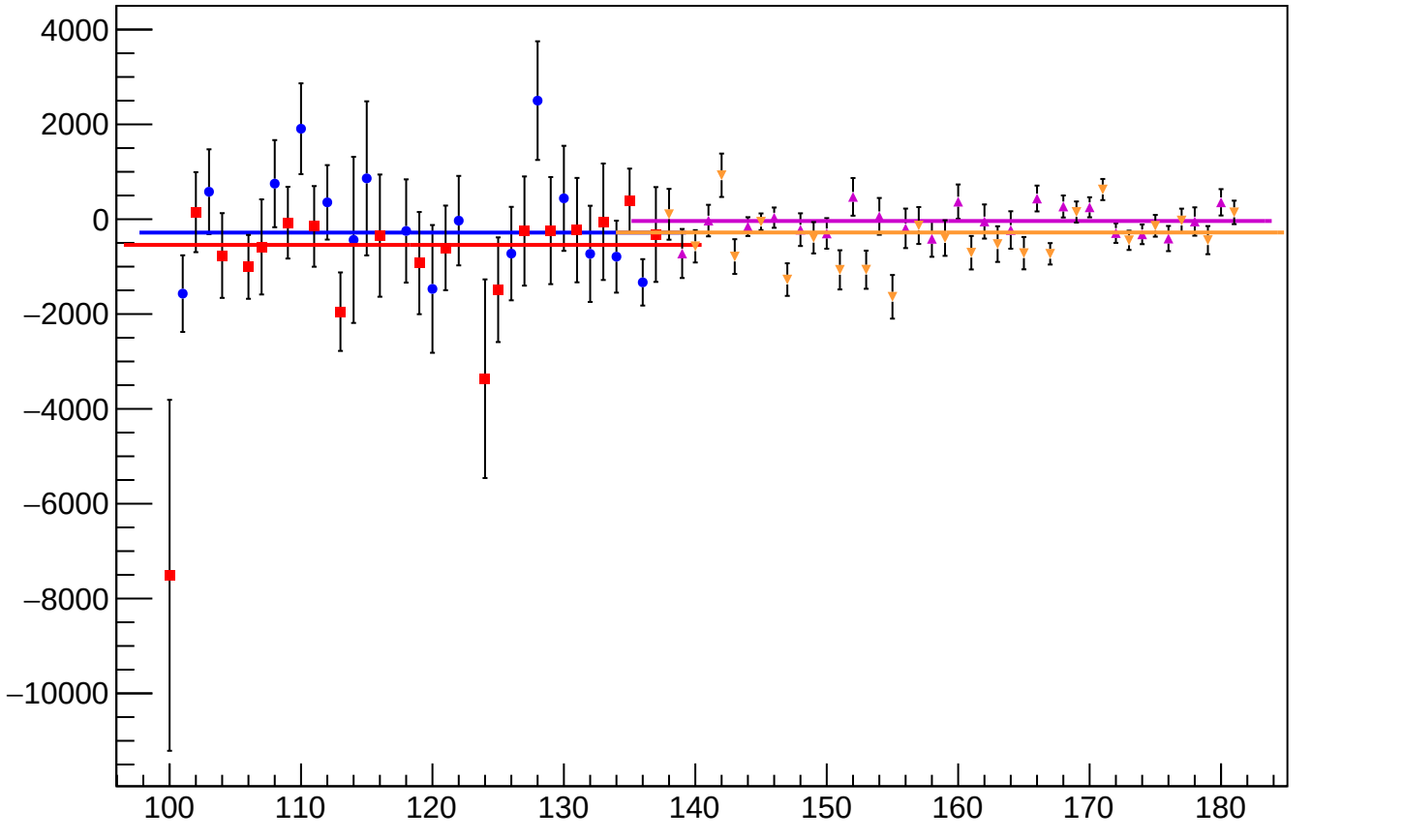
Right Out: 74.463+/-0.020 χ^2/NDF: 1052296.6/18

Left In: 51.947+/-0.009 χ^2/NDF:848489.3/20

+ sign 55.807+/-0.008 χ^2/NDF: 2911076.7/38

All: 55.735+/-0.006 χ^2/NDF: 5825142.2/78

- sign 55.661+/-0.008 χ^2/NDF: 2913907.4/39



Right In: -282.039+/-227.789 χ^2/NDF: 22.8/15

Left Out: -279.984+/-60.278 χ^2/NDF:69.6/22

Right Out: -542.028+/-220.904 χ^2/NDF: 13.3/18

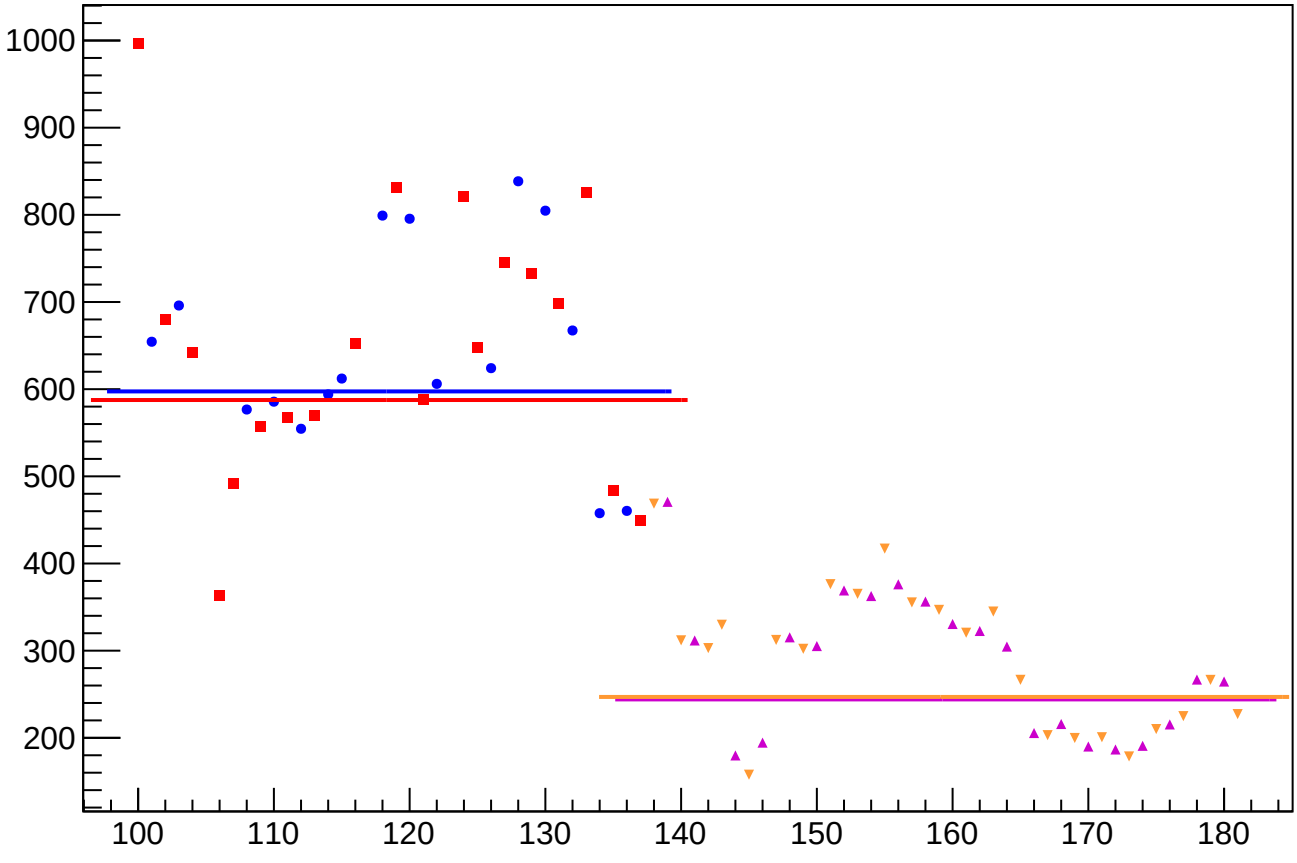
Left In: -37.520+/-61.476 χ^2/NDF:21.4/20

+ sign -280.118+/-58.272 χ^2/NDF: 92.4/38

All: -178.625+/-41.538 χ^2/NDF: 138.1/78

- sign -73.784+/-59.225 χ^2/NDF: 39.5/39

asym_sam_37_dd_dit_correction_rms vs Slug



Right In: 597.438+/-0.161 χ^2/NDF: 533791.9/15

Left Out: 246.918+/-0.043 χ^2/NDF:2925629.4/22

Right Out: 587.565+/-0.156 χ^2/NDF: 689035.8/18

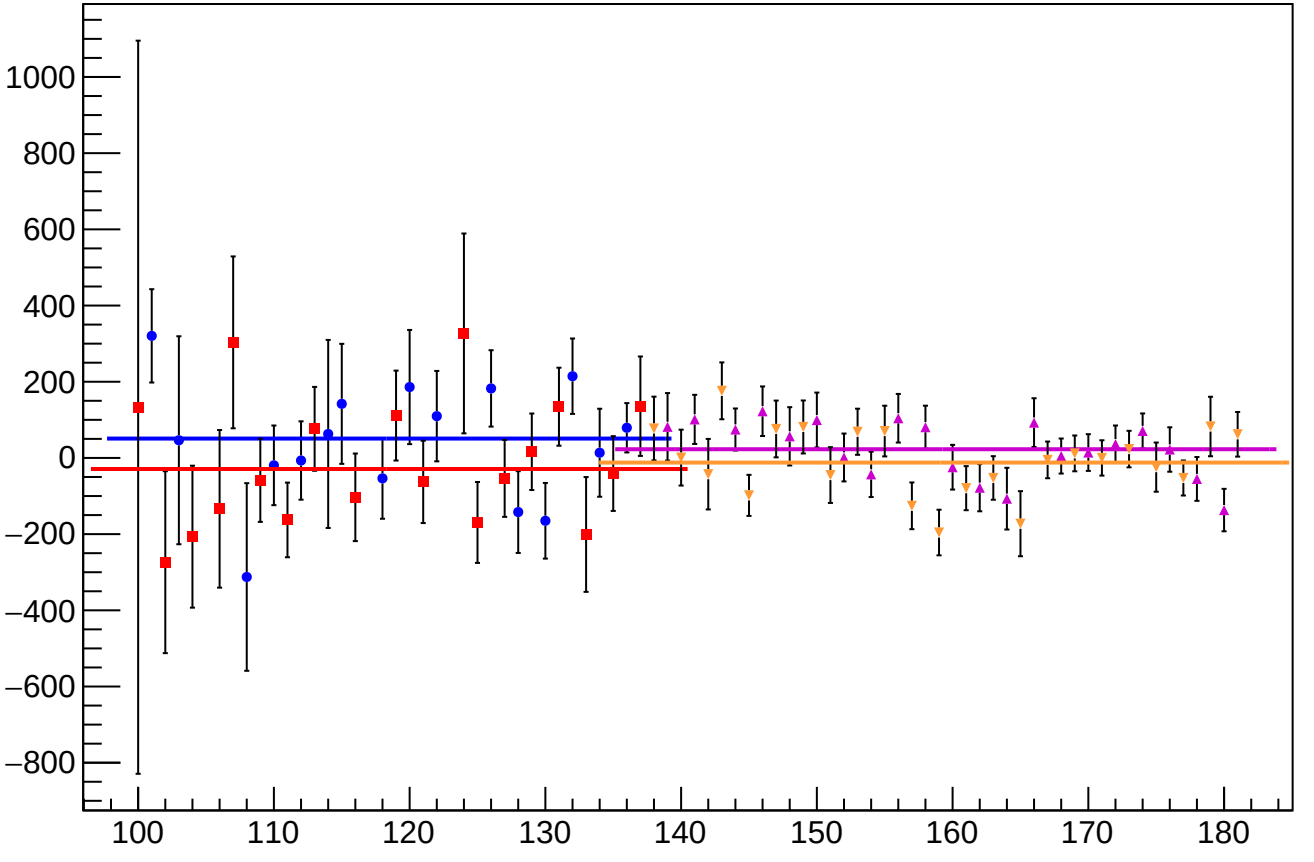
Left In: 244.084+/-0.043 χ^2/NDF:2489684.0/20

+ sign 269.857+/-0.041 χ^2/NDF: 7885263.2/38

All: 269.324+/-0.029 χ^2/NDF: 15552109.5/78

- sign 268.773+/-0.042 χ^2/NDF: 7666506.3/39

eigen_dit_asym_sam_37_dd_mean vs Slug



Right In: 50.840+/-28.316 χ^2/NDF: 22.9/15

Left Out: -12.161+/-12.616 χ^2/NDF:39.9/22

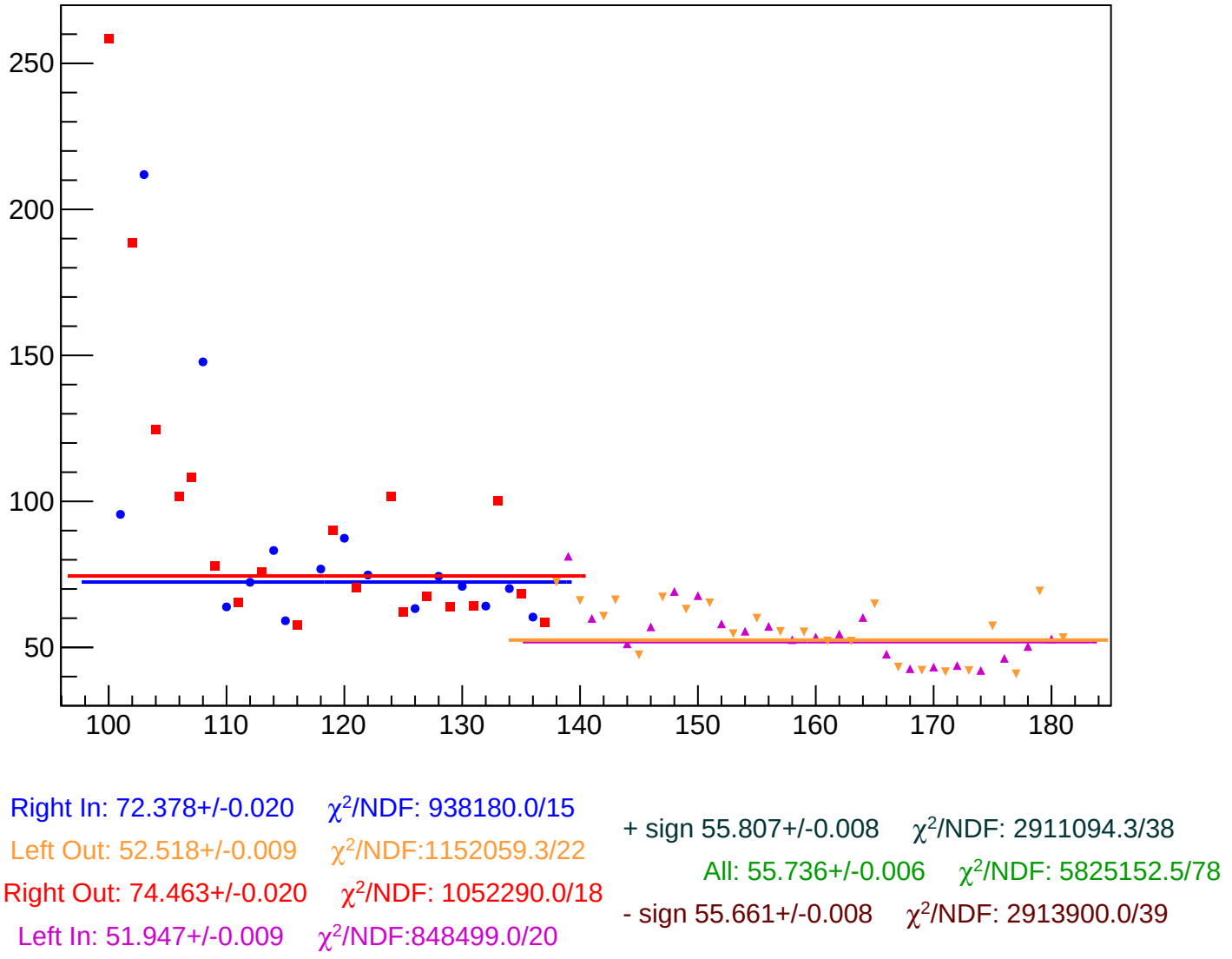
Right Out: -29.038+/-28.910 χ^2/NDF: 18.5/18

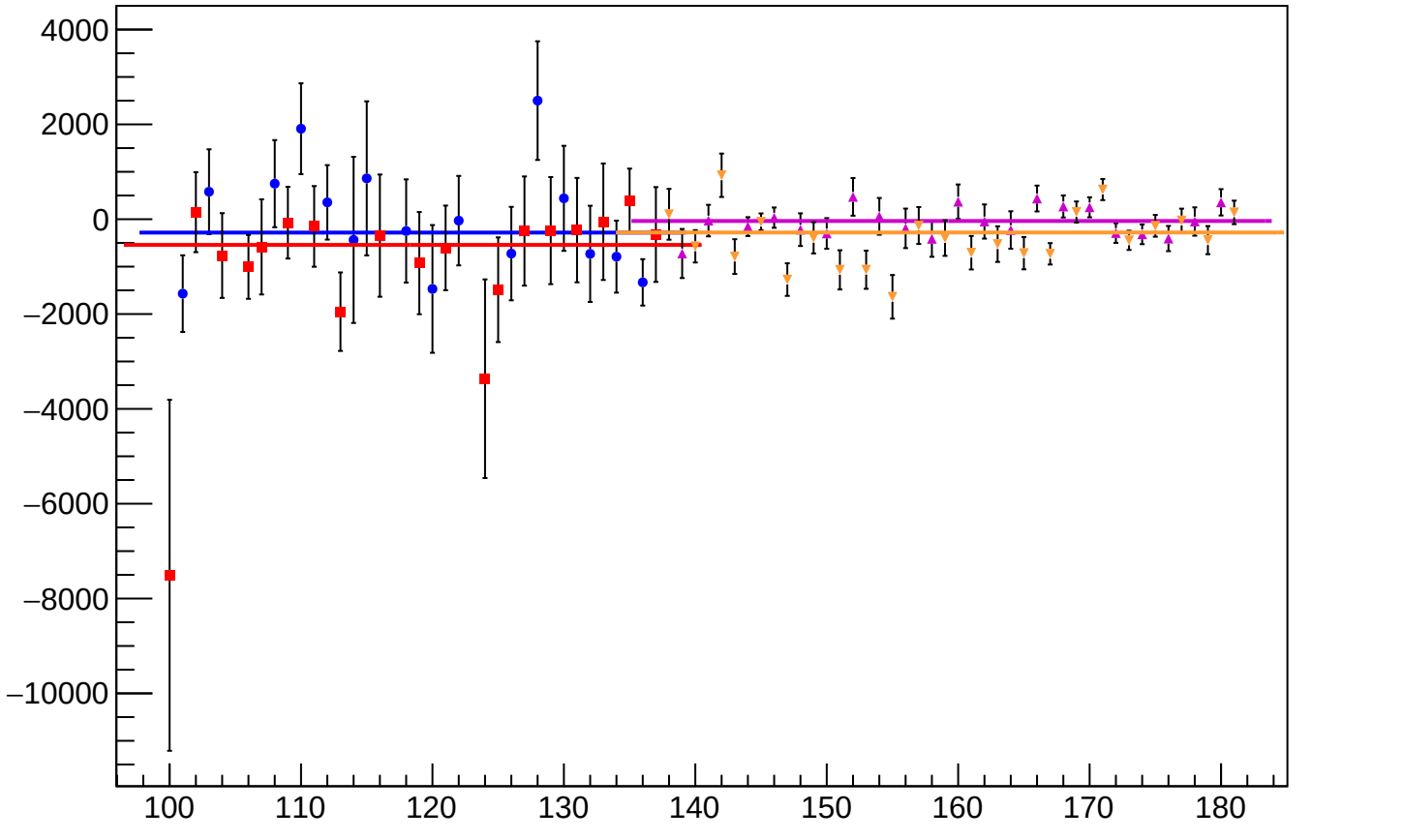
Left In: 22.832+/-12.849 χ^2/NDF:29.0/20

+ sign -1.726+/-11.524 χ^2/NDF: 66.9/38

All: 6.126+/-8.225 χ^2/NDF: 118.1/78

- sign 14.276+/-11.742 χ^2/NDF: 50.2/39


eigen_dit_asym_sam_37_dd_rms vs Slug
250
200
150
100
50
100
110
120
130
140
150
160
170
180
Right In: 72.378+/-0.020 χ²/NDF: 938180.0/15
Left Out: 52.518+/-0.009 χ²/NDF:1152059.3/22
Right Out: 74.463+/-0.020 χ²/NDF: 1052290.0/18
Left In: 51.947+/-0.009 χ²/NDF:848499.0/20
+ sign 55.807+/-0.008 χ²/NDF: 2911094.3/38
All: 55.736+/-0.006 χ²/NDF: 5825152.5/78
- sign 55.661+/-0.008 χ²/NDF: 2913900.0/39



Right In: -282.038+/-227.789 χ^2/NDF: 22.8/15

Left Out: -279.984+/-60.278 χ^2/NDF:69.6/22

Right Out: -542.028+/-220.904 χ^2/NDF: 13.3/18

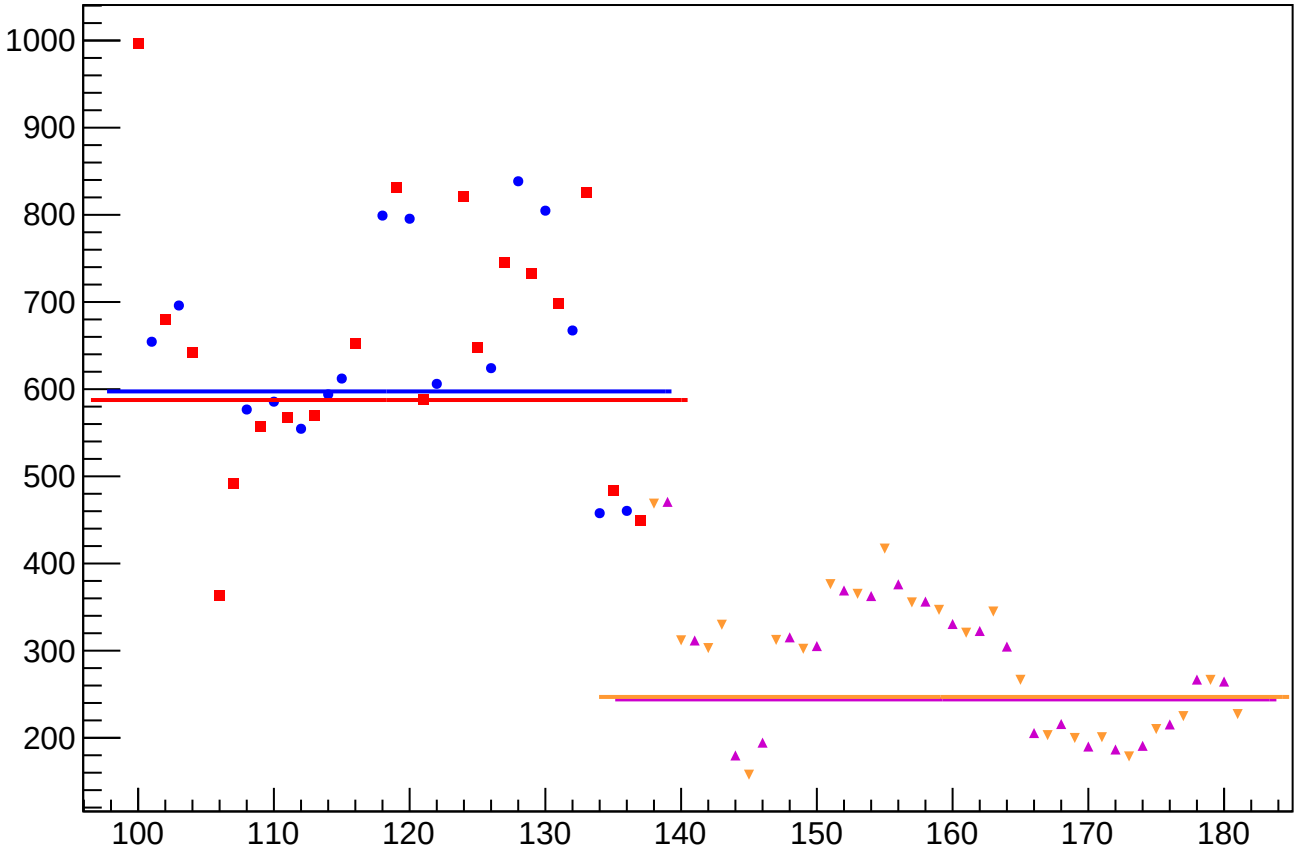
Left In: -37.520+/-61.476 χ^2/NDF:21.4/20

\+ sign -280.119+/-58.272 χ^2/NDF: 92.4/38

All: -178.625+/-41.538 χ^2/NDF: 138.1/78

\- sign -73.784+/-59.225 χ^2/NDF: 39.5/39

asym_sam_37_dd_eigen_dit_correction_rms vs Slug



Right In: 597.439+/-0.161 χ^2/NDF: 533790.1/15

Left Out: 246.918+/-0.043 χ^2/NDF:2925617.8/22

Right Out: 587.565+/-0.156 χ^2/NDF: 689033.6/18

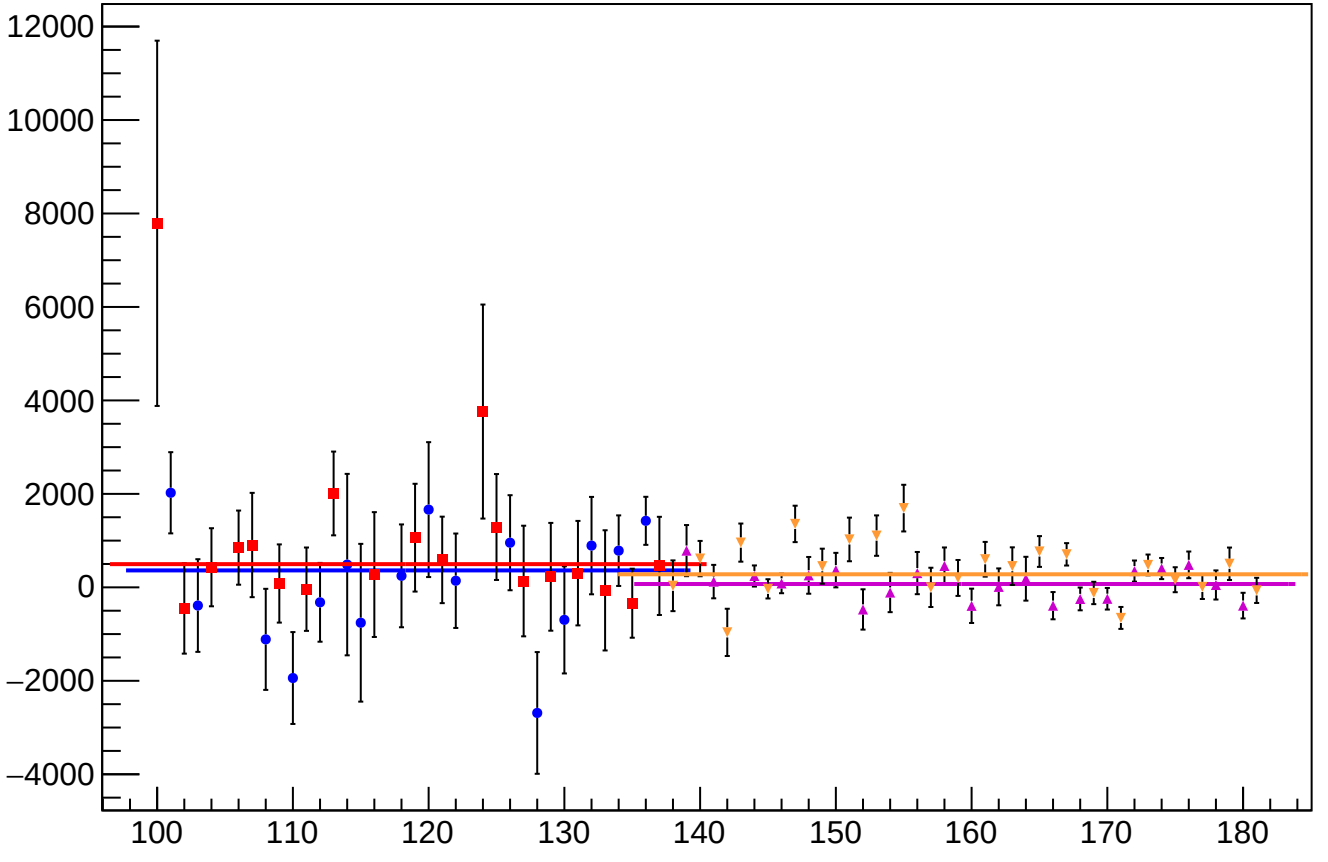
Left In: 244.084+/-0.043 χ^2/NDF:2489677.5/20

+ sign 269.857+/-0.041 χ^2/NDF: 7885256.4/38

All: 269.324+/-0.029 χ^2/NDF: 15552097.4/78

- sign 268.773+/-0.042 χ^2/NDF: 7666501.0/39

asym_sam_37_dd_mean vs Slug



Right In: 362.384+/-240.303 χ^2/NDF: 25.1/15

Left Out: 279.567+/-65.811 χ^2/NDF:63.8/22

Right Out: 496.639+/-236.029 χ^2/NDF: 12.7/18

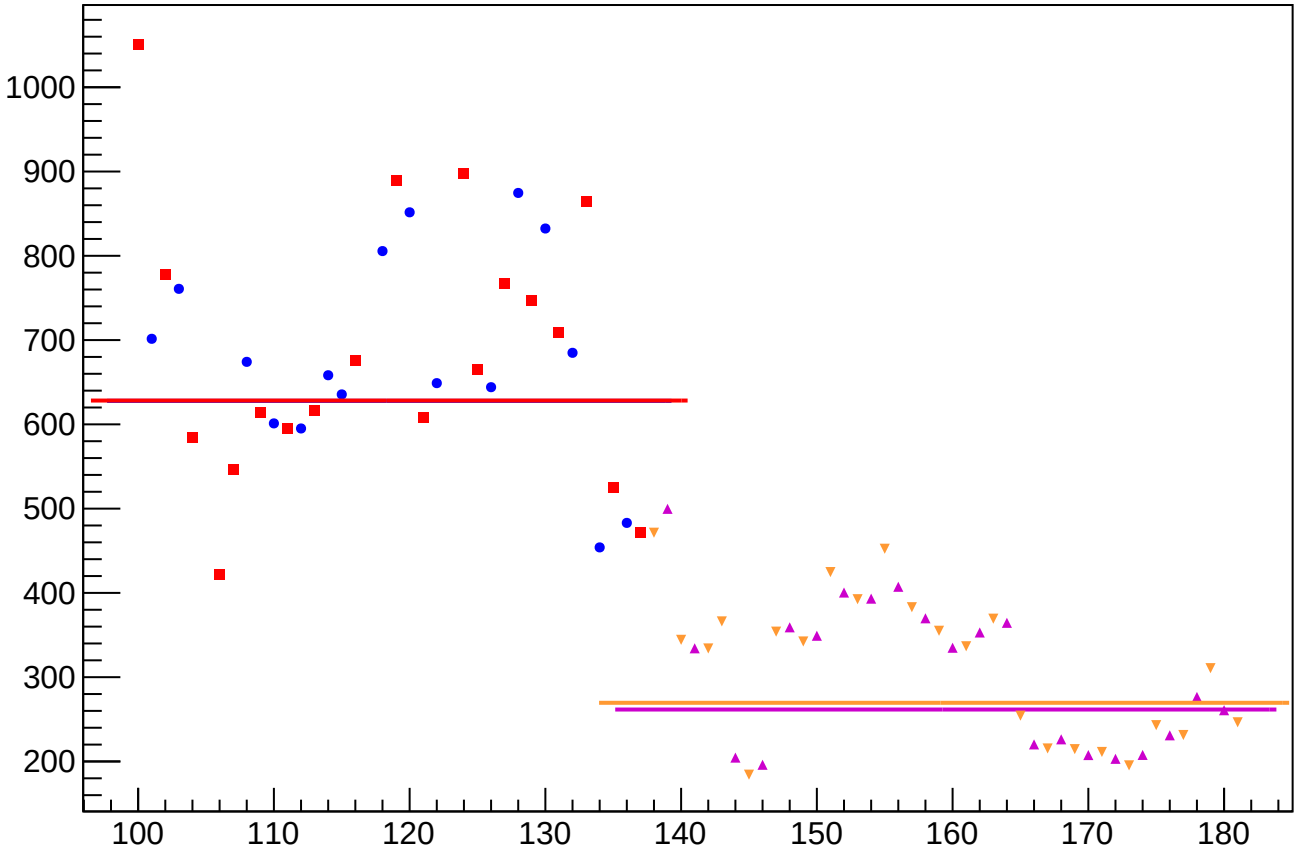
Left In: 71.322+/-65.868 χ^2/NDF:22.6/20

+ sign 285.345+/-63.473 χ^2/NDF: 88.9/38

All: 193.656+/-44.872 χ^2/NDF: 131.4/78

- sign 102.052+/-63.444 χ^2/NDF: 38.3/39

asym_sam_37_dd_rms vs Slug



Right In: 627.896+/-0.170 χ^2/NDF: 566795.7/15

Left Out: 269.604+/-0.047 χ^2/NDF:2758662.5/22

Right Out: 628.250+/-0.167 χ^2/NDF: 570979.3/18

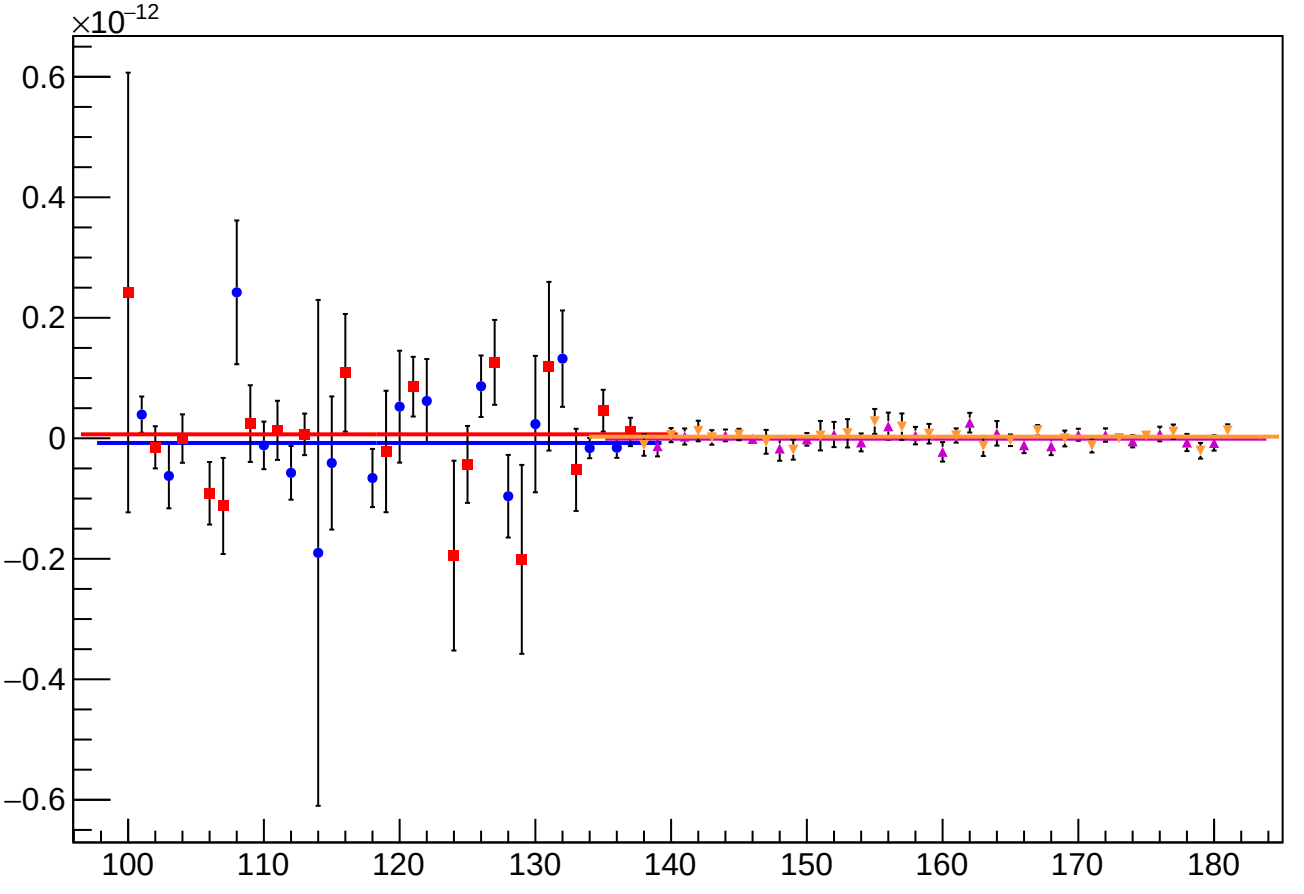
Left In: 261.608+/-0.047 χ^2/NDF:2532264.2/20

+ sign 294.601+/-0.045 χ^2/NDF: 7461425.7/38

All: 291.349+/-0.032 χ^2/NDF: 15052442.5/78

- sign 288.099+/-0.045 χ^2/NDF: 7580517.1/39

asym_sam_37_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 21.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.4/22

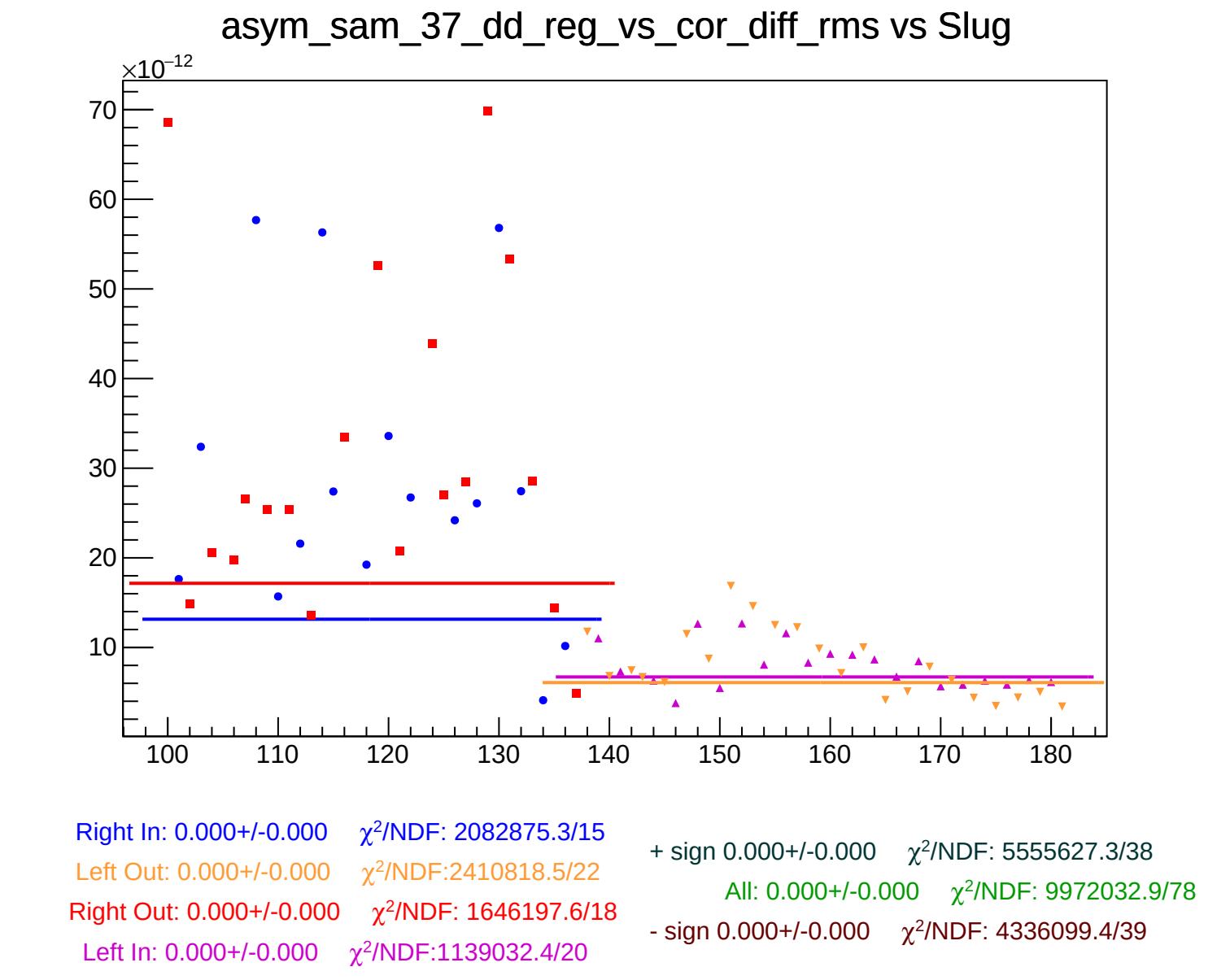
Right Out: 0.000+/-0.000 χ^2/NDF: 20.0/18

Left In: -0.000+/-0.000 χ^2/NDF:10.7/20

+ sign 0.000+/-0.000 χ^2/NDF: 36.6/38

All: 0.000+/-0.000 χ^2/NDF: 68.0/78

- sign -0.000+/-0.000 χ^2/NDF: 31.1/39


asym_sam_37_dd_reg_vs_cor_diff_rms vs Slug
×10^−12
70
60
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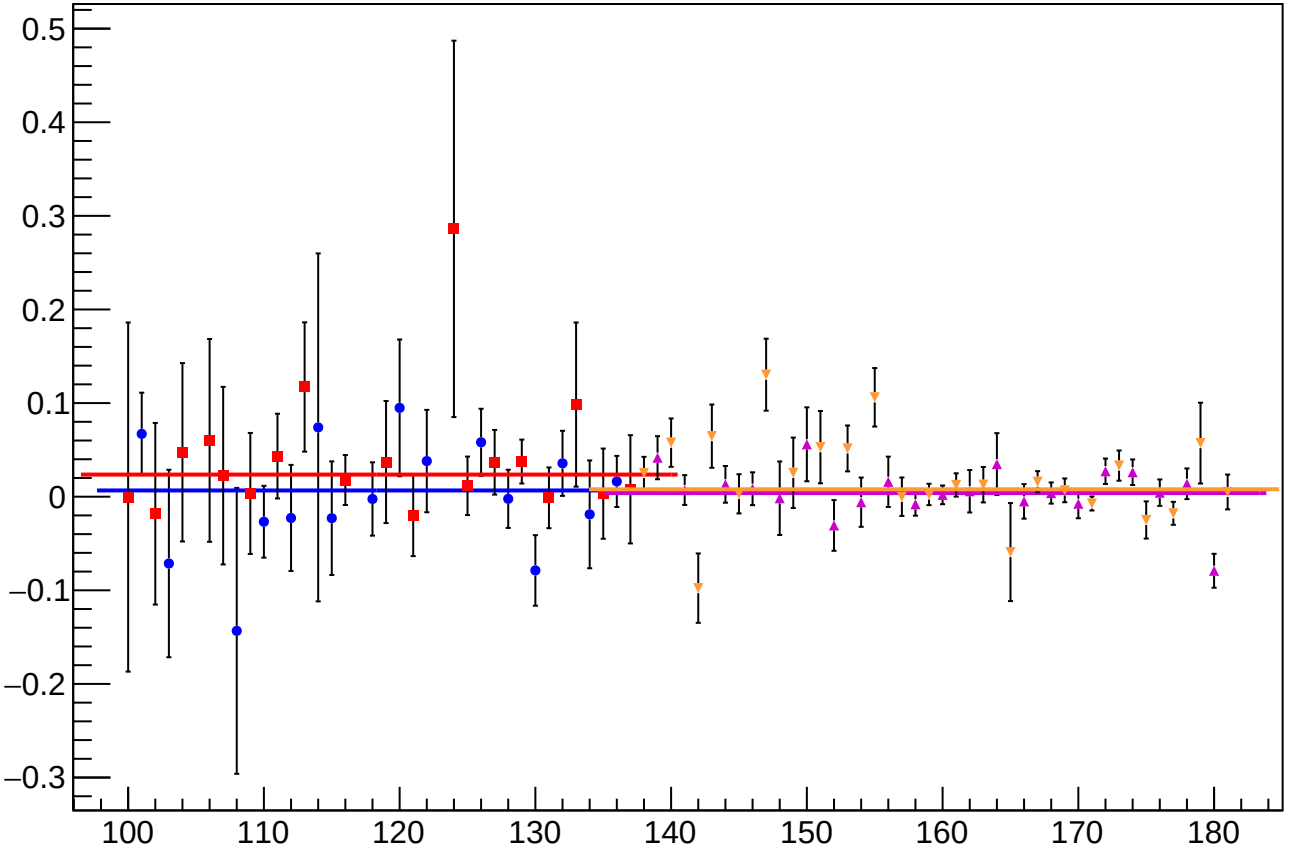
40
30
20
10
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2082875.3/15
Left Out: 0.000+/-0.000 χ²/NDF:2410818.5/22
Right Out: 0.000+/-0.000 χ²/NDF: 1646197.6/18
Left In: 0.000+/-0.000 χ²/NDF:1139032.4/20
+ sign 0.000+/-0.000 χ²/NDF: 5555627.3/38
All: 0.000+/-0.000 χ²/NDF: 9972032.9/78
- sign 0.000+/-0.000 χ²/NDF: 4336099.4/39

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:58.3/22

Right Out: 0.024+/-0.011 χ^2/NDF: 7.5/18

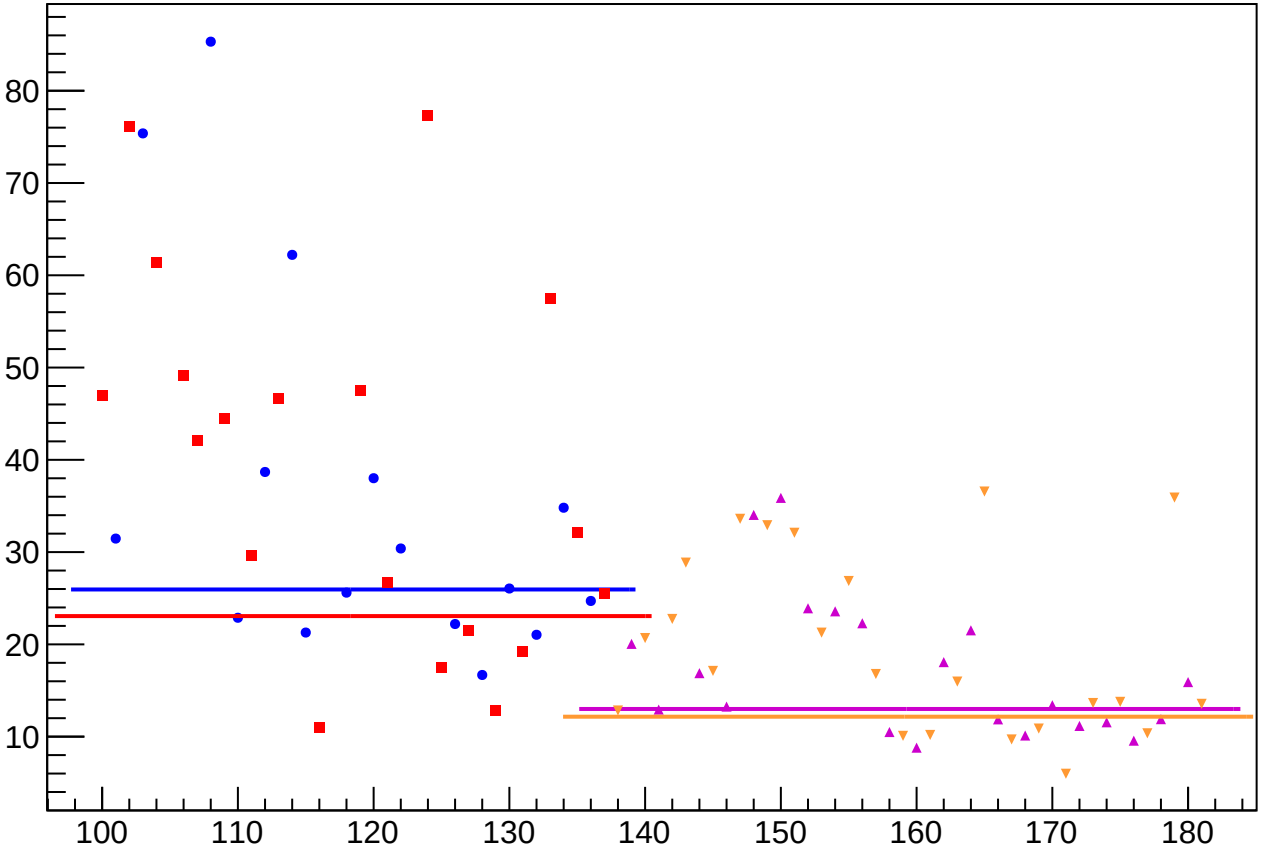
Left In: 0.004+/-0.004 χ^2/NDF:36.4/20

+ sign 0.008+/-0.003 χ^2/NDF: 73.3/38

All: 0.007+/-0.002 χ^2/NDF: 120.5/78

- sign 0.006+/-0.003 χ^2/NDF: 47.0/39

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: 12.161+/-0.002 χ^2/NDF:6374092.3/22

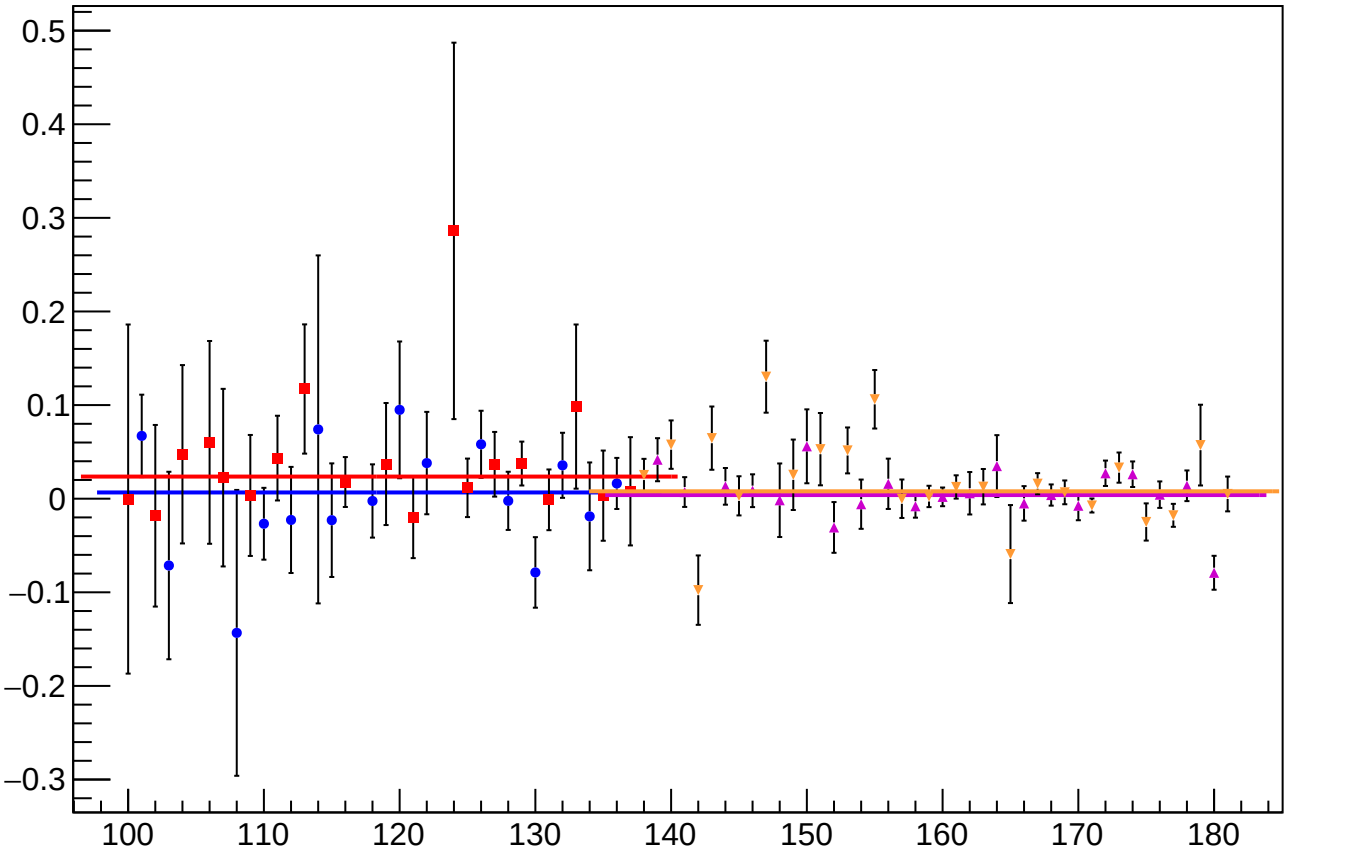
Right Out: 23.065+/-0.007 χ^2/NDF: 3360857.8/18

Left In: 12.998+/-0.003 χ^2/NDF:3444391.2/20

+ sign 13.410+/-0.002 χ^2/NDF: 10562339.7/38

All: 13.739+/-0.002 χ^2/NDF: 19045823.1/78

- sign 14.094+/-0.002 χ^2/NDF: 8443067.1/39



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.008+/-0.004 χ^2/NDF:58.3/22

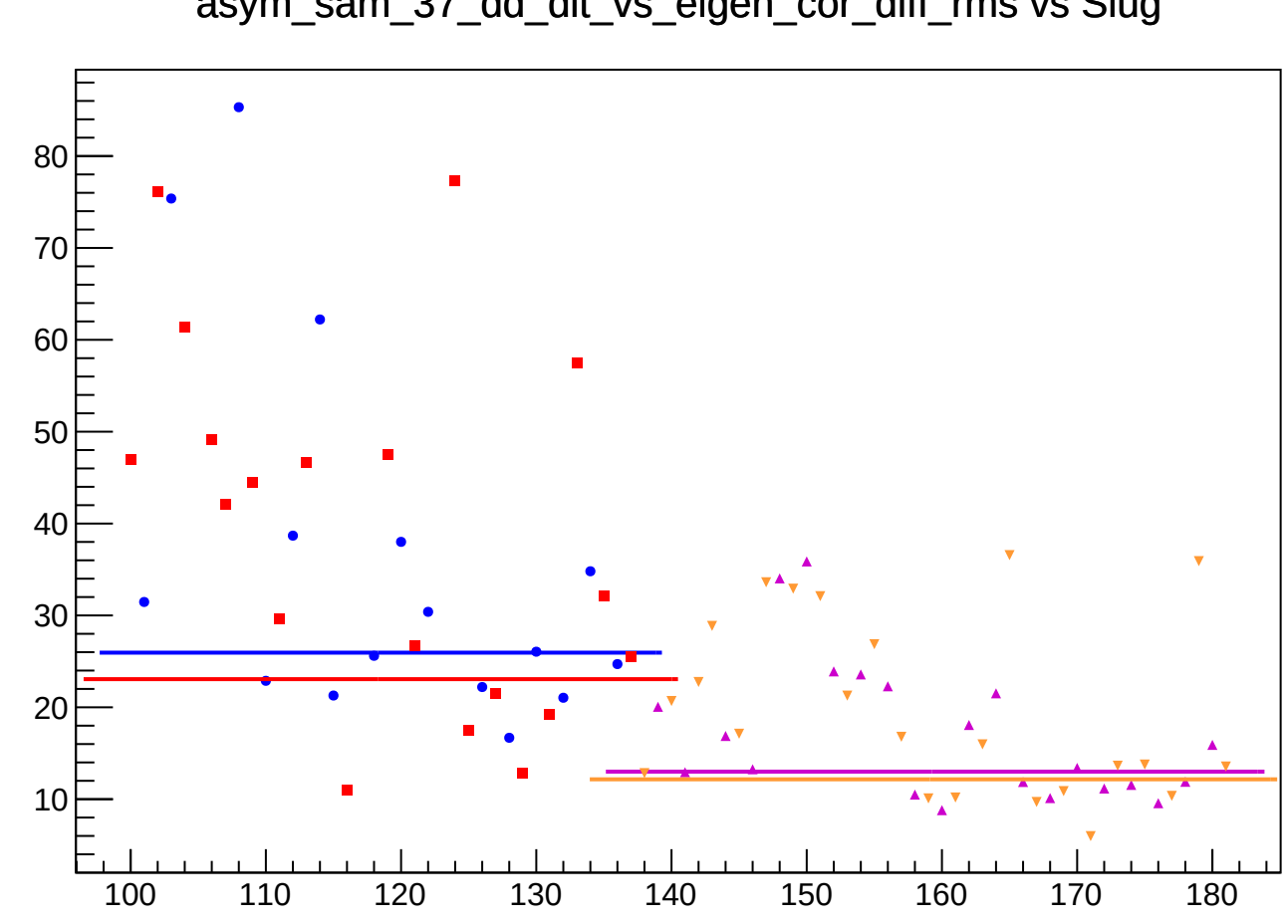
Right Out: 0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: 0.004+/-0.004 χ^2/NDF:36.4/20

+ sign 0.008+/-0.003 χ^2/NDF: 73.3/38

All: 0.007+/-0.002 χ^2/NDF: 120.5/78

- sign 0.006+/-0.003 χ^2/NDF: 47.0/39



Right In: 25.949+/-0.008 χ^2/NDF: 1381638.3/15

Left Out: 12.161+/-0.002 χ^2/NDF:6374092.3/22

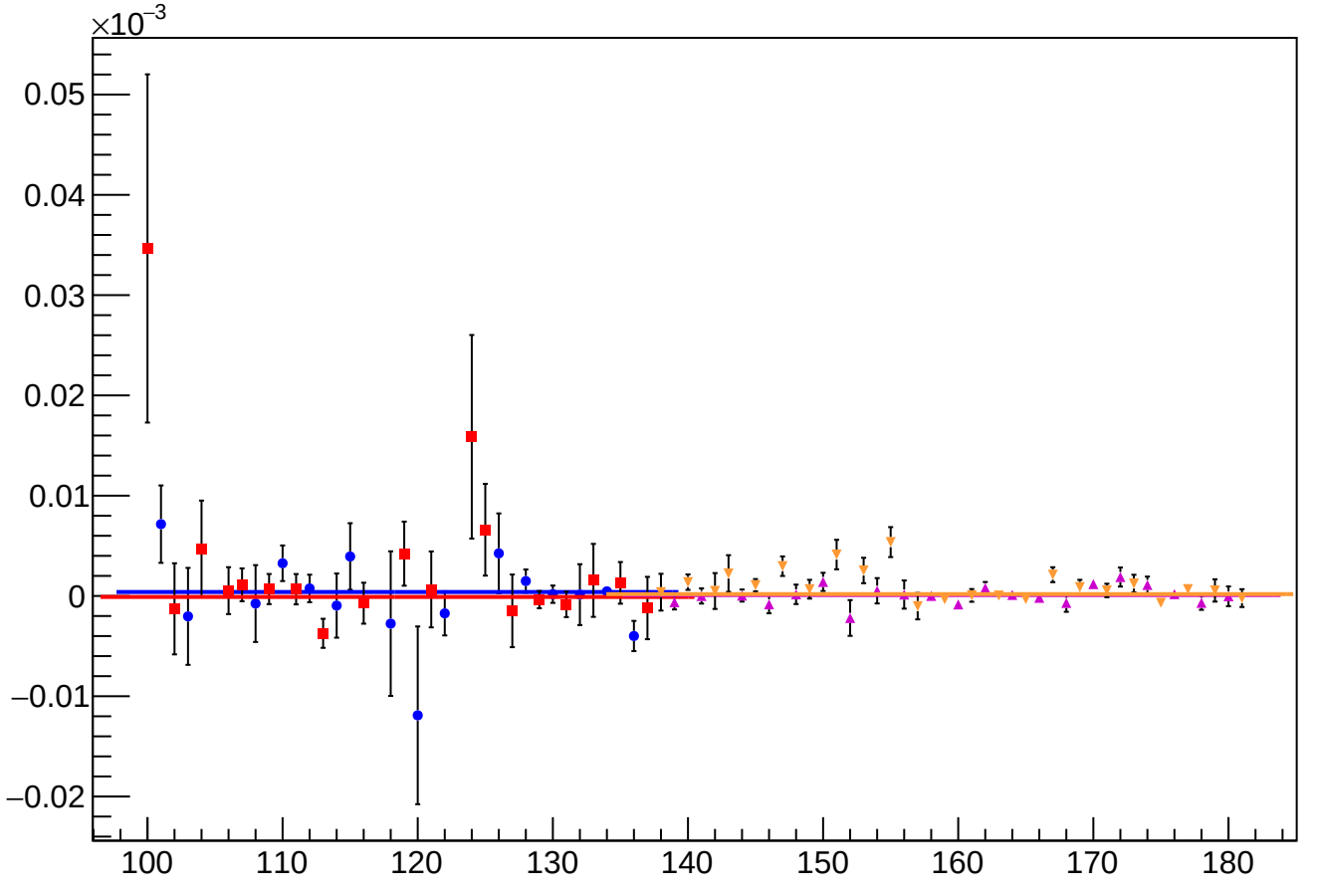
Right Out: 23.065+/-0.007 χ^2/NDF: 3360857.8/18

Left In: 12.998+/-0.003 χ^2/NDF:3444391.2/20

+ sign 13.410+/-0.002 χ^2/NDF: 10562339.7/38

All: 13.739+/-0.002 χ^2/NDF: 19045823.1/78

- sign 14.094+/-0.002 χ^2/NDF: 8443067.1/39



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:60.2/22

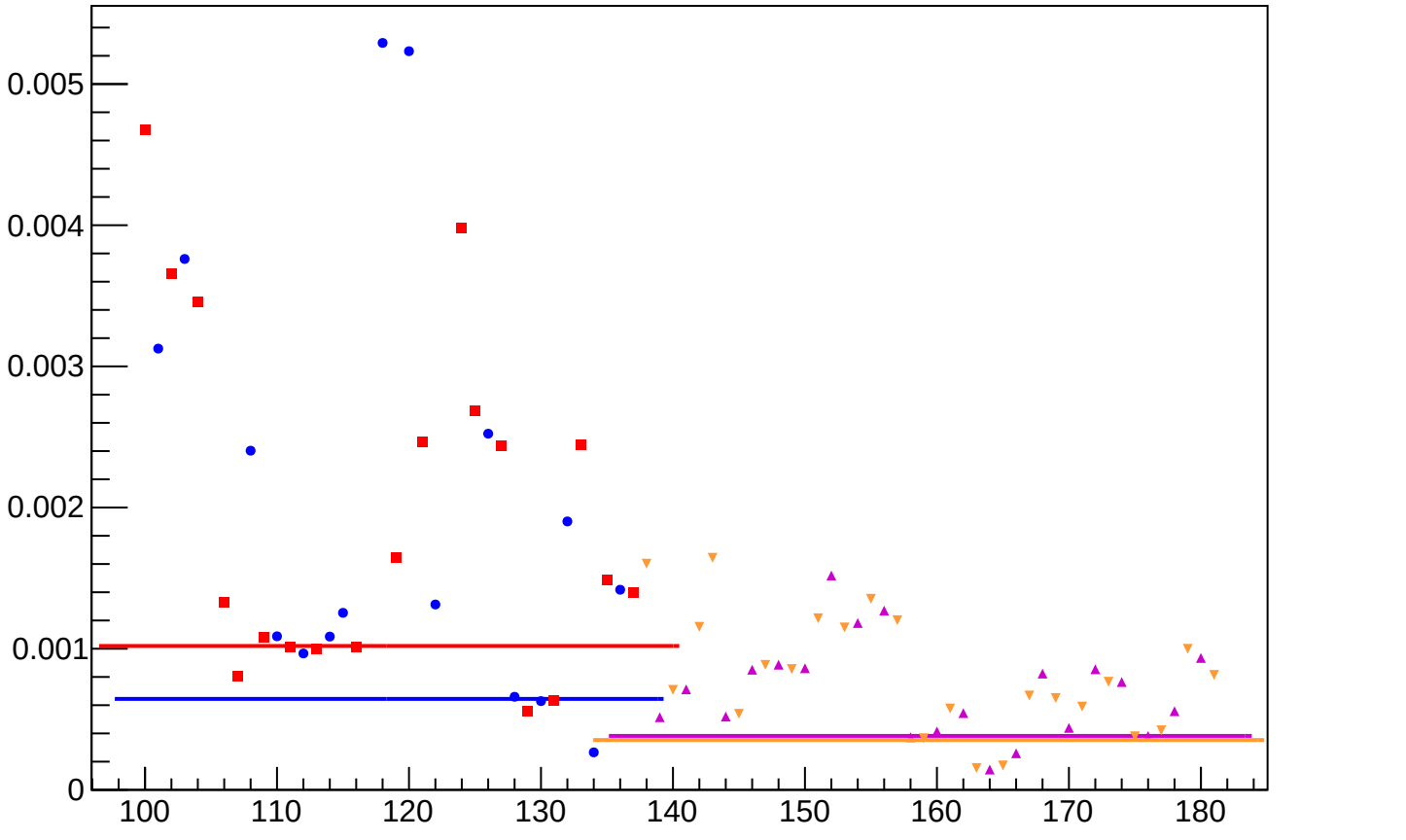
Right Out: -0.000+/-0.000 χ^2/NDF: 20.4/18

Left In: 0.000+/-0.000 χ^2/NDF:23.9/20

+ sign 0.000+/-0.000 χ^2/NDF: 81.4/38

All: 0.000+/-0.000 χ^2/NDF: 126.5/78

- sign 0.000+/-0.000 χ^2/NDF: 44.5/39



Right In: 0.001+/-0.000 χ^2/NDF: 6575652.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:13822060.3/22

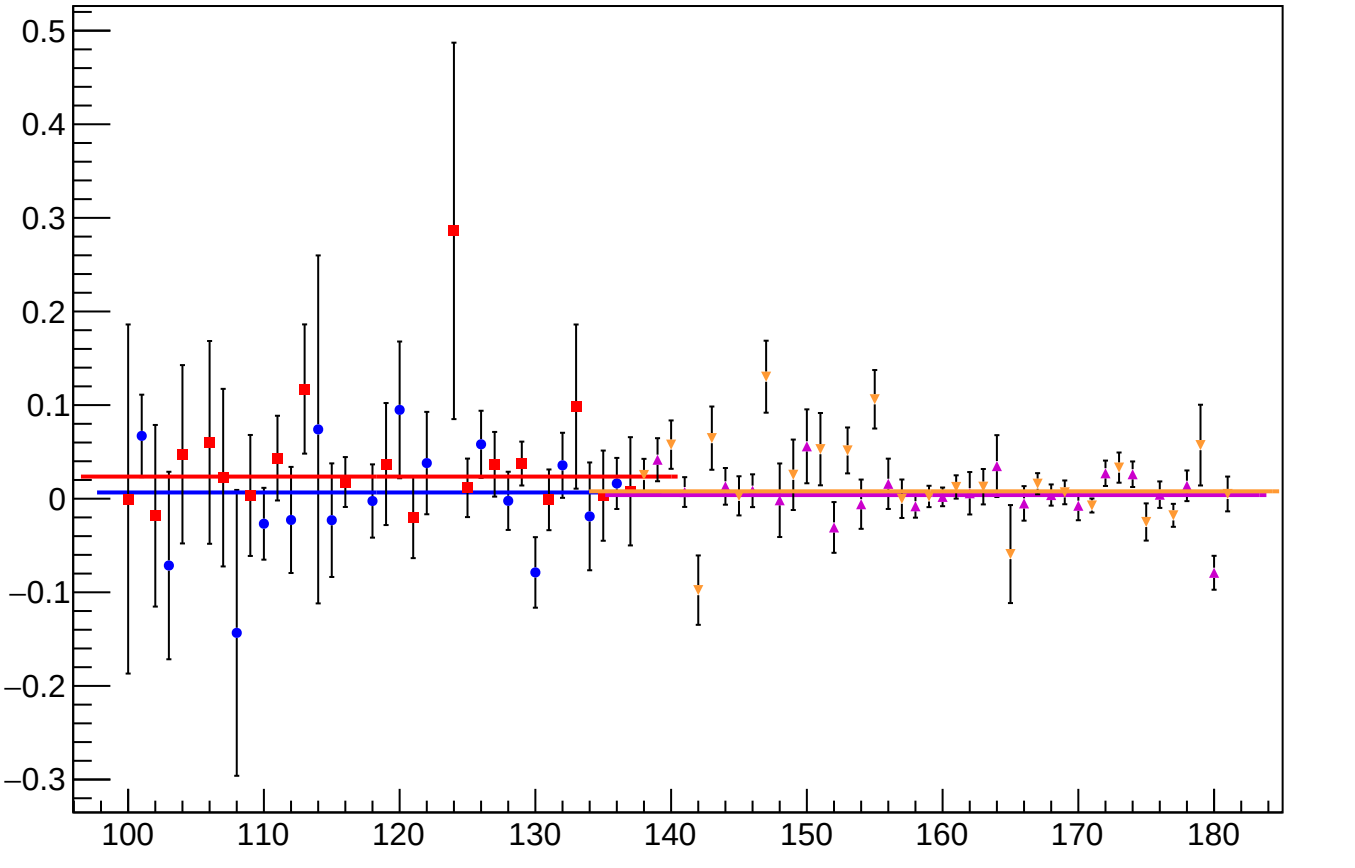
Right Out: 0.001+/-0.000 χ^2/NDF: 3662501.2/18

Left In: 0.000+/-0.000 χ^2/NDF:10381501.2/20

+ sign 0.000+/-0.000 χ^2/NDF: 21733237.7/38

All: 0.000+/-0.000 χ^2/NDF: 39691464.8/78

- sign 0.000+/-0.000 χ^2/NDF: 17801233.9/39



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.008+/-0.004 χ^2/NDF:58.3/22

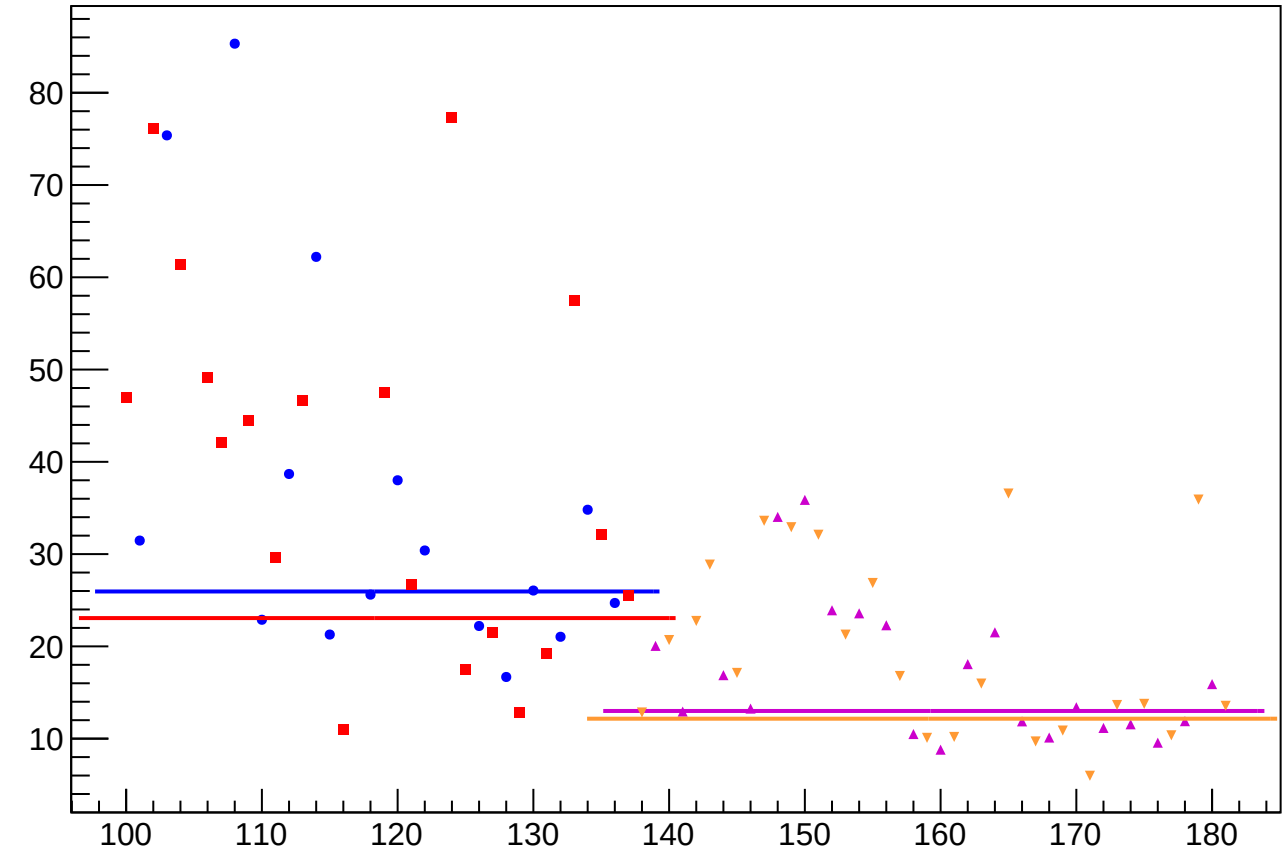
Right Out: 0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: 0.004+/-0.004 χ^2/NDF:36.4/20

+ sign 0.008+/-0.003 χ^2/NDF: 73.3/38

All: 0.007+/-0.002 χ^2/NDF: 120.5/78

- sign 0.006+/-0.003 χ^2/NDF: 47.0/39



Right In: 25.950+/-0.008 χ^2/NDF: 1381591.4/15

Left Out: 12.162+/-0.002 χ^2/NDF:6374330.2/22

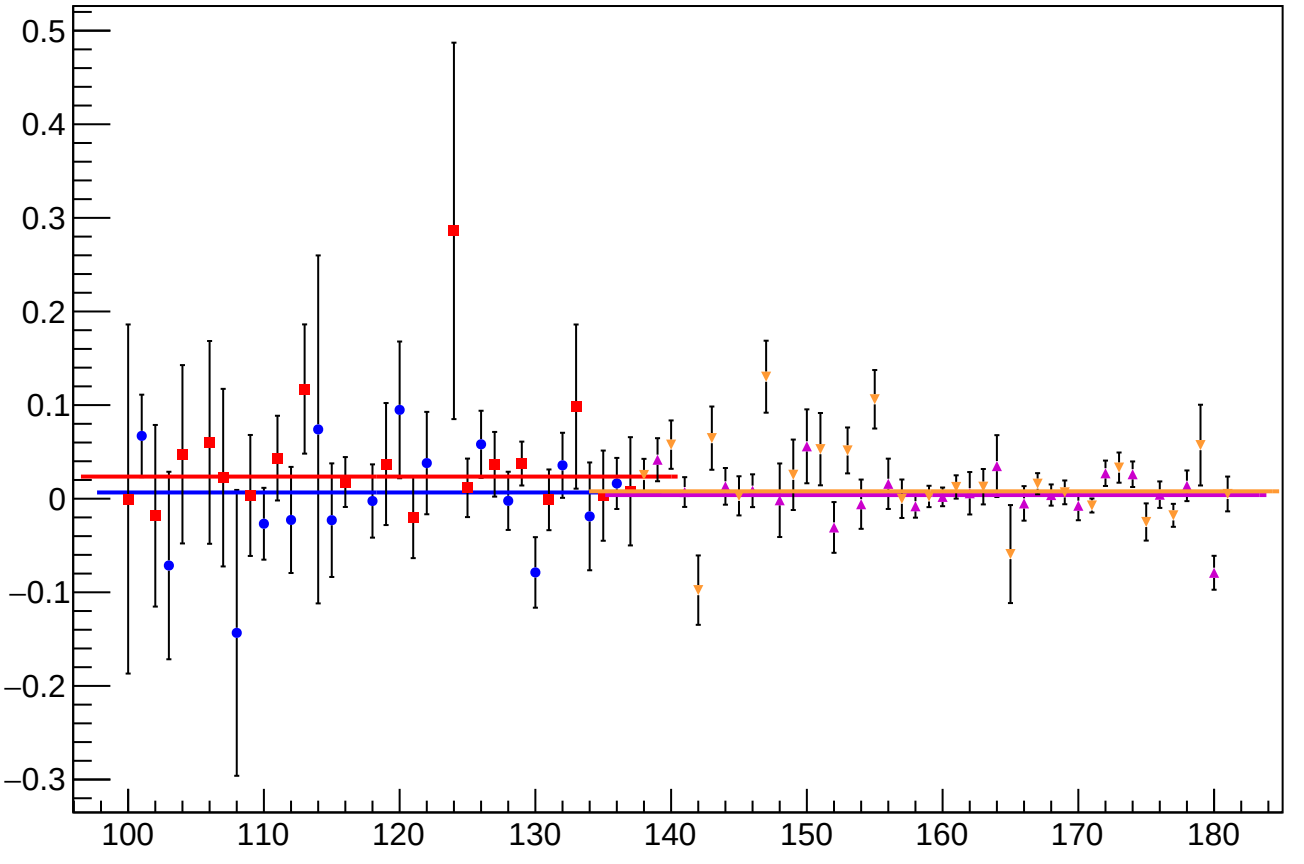
Right Out: 23.066+/-0.007 χ^2/NDF: 3360688.5/18

Left In: 12.998+/-0.003 χ^2/NDF:3444552.7/20

+ sign 13.410+/-0.002 χ^2/NDF: 10562597.2/38

All: 13.739+/-0.002 χ^2/NDF: 19046182.1/78

- sign 14.094+/-0.002 χ^2/NDF: 8443172.9/39



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.008+/-0.004 χ^2/NDF:58.3/22

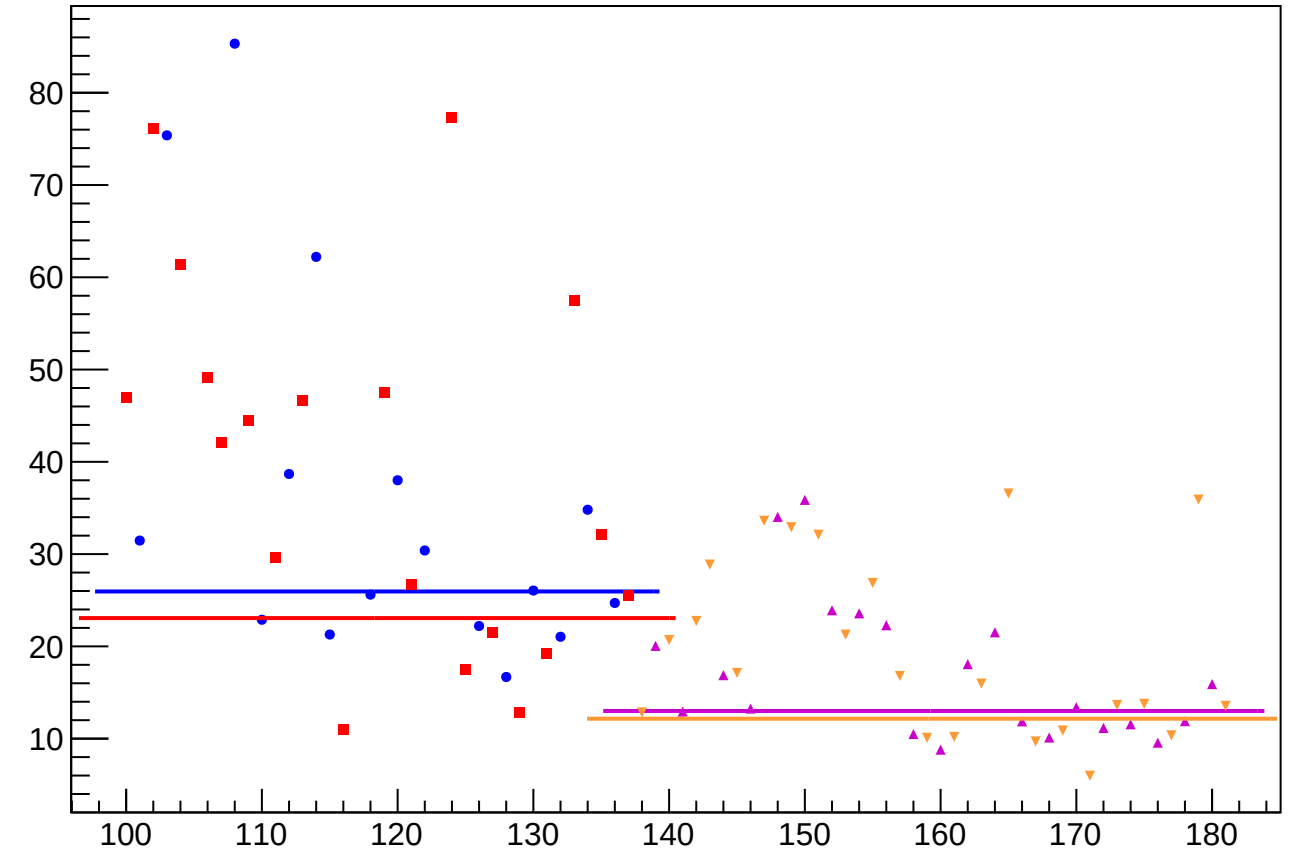
Right Out: 0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: 0.004+/-0.004 χ^2/NDF:36.4/20

\+ sign 0.008+/-0.003 χ^2/NDF: 73.3/38

All: 0.007+/-0.002 χ^2/NDF: 120.5/78

\- sign 0.006+/-0.003 χ^2/NDF: 47.0/39



Right In: 25.950+/-0.008 χ^2/NDF: 1381591.4/15

Left Out: 12.162+/-0.002 χ^2/NDF:6374330.2/22

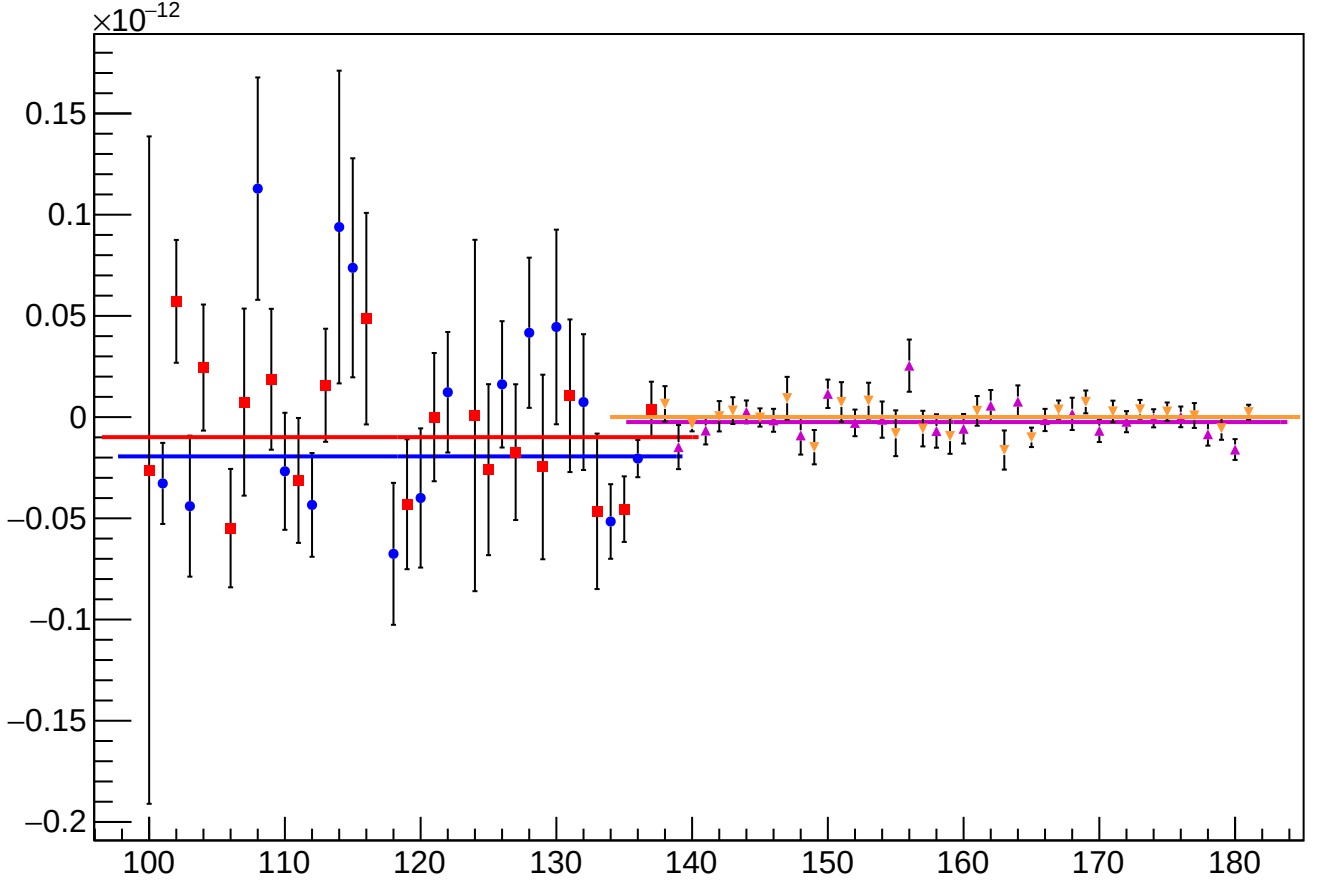
Right Out: 23.066+/-0.007 χ^2/NDF: 3360688.5/18

Left In: 12.998+/-0.003 χ^2/NDF:3444552.7/20

+ sign 13.410+/-0.002 χ^2/NDF: 10562597.2/38

All: 13.739+/-0.002 χ^2/NDF: 19046182.1/78

- sign 14.094+/-0.002 χ^2/NDF: 8443172.9/39



Right In: -0.000+/-0.000 χ^2/NDF: 25.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:21.4/22

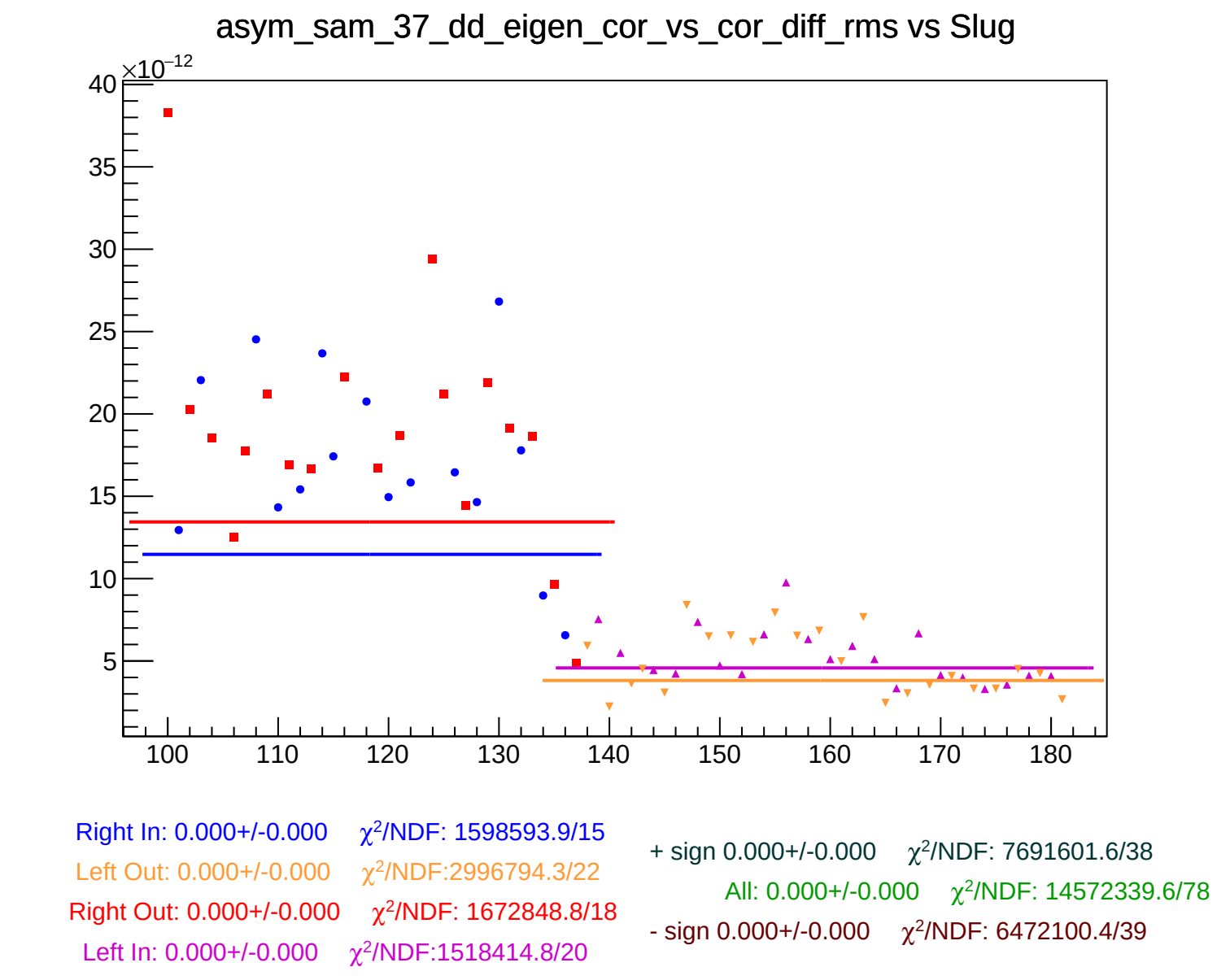
Right Out: -0.000+/-0.000 χ^2/NDF: 20.3/18

Left In: -0.000+/-0.000 χ^2/NDF:24.2/20

+ sign -0.000+/-0.000 χ^2/NDF: 57.1/38

All: -0.000+/-0.000 χ^2/NDF: 104.0/78

- sign -0.000+/-0.000 χ^2/NDF: 45.7/39


asym_sam_37_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
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120
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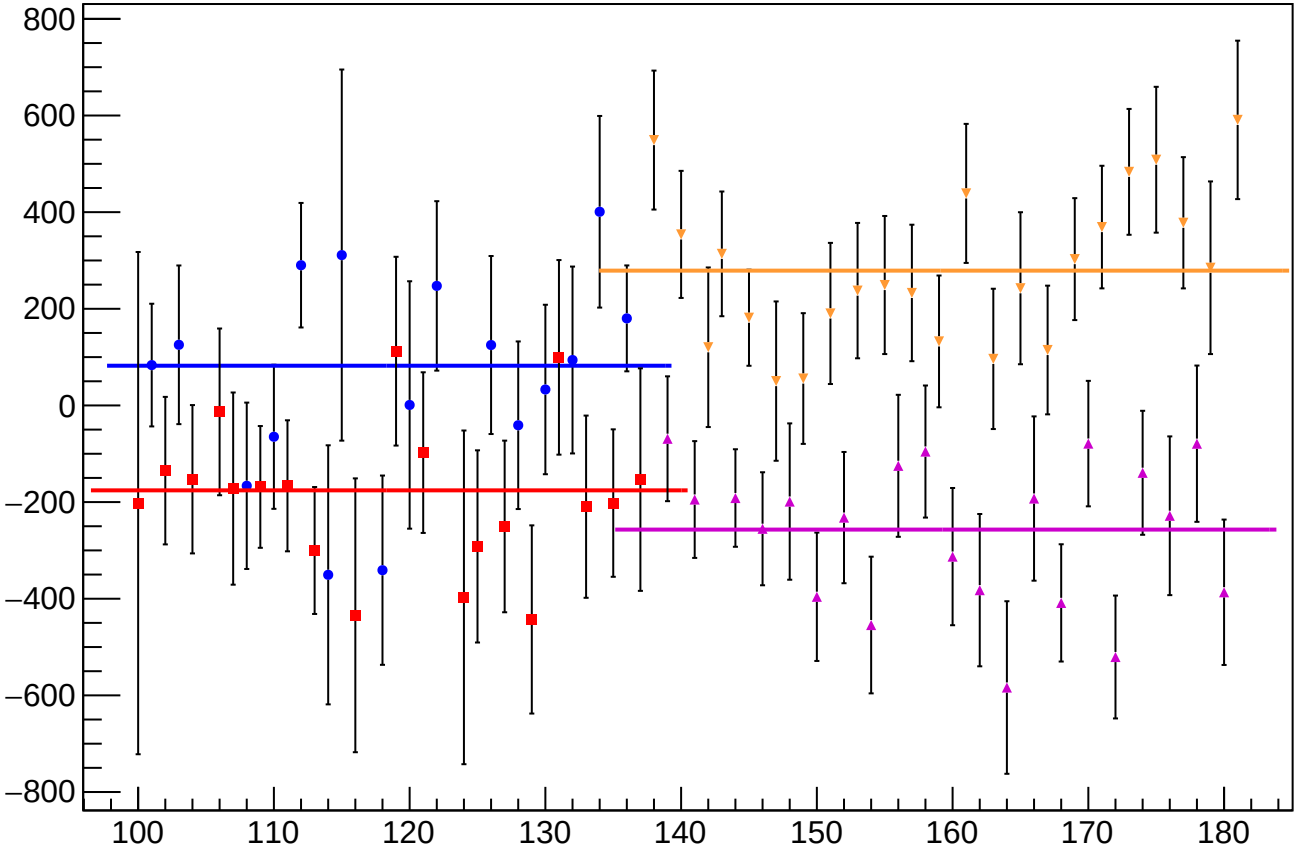
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1598593.9/15
Left Out: 0.000+/-0.000 χ²/NDF:2996794.3/22
Right Out: 0.000+/-0.000 χ²/NDF: 1672848.8/18
Left In: 0.000+/-0.000 χ²/NDF:1518414.8/20
+ sign 0.000+/-0.000 χ²/NDF: 7691601.6/38
All: 0.000+/-0.000 χ²/NDF: 14572339.6/78
- sign 0.000+/-0.000 χ²/NDF: 6472100.4/39

reg_asym_sam_48_dd_mean vs Slug



Right In: 82.196+/-42.133 χ^2/NDF: 18.4/15

Left Out: 278.995+/-28.997 χ^2/NDF:26.1/22

Right Out: -175.732+/-40.673 χ^2/NDF: 9.9/18

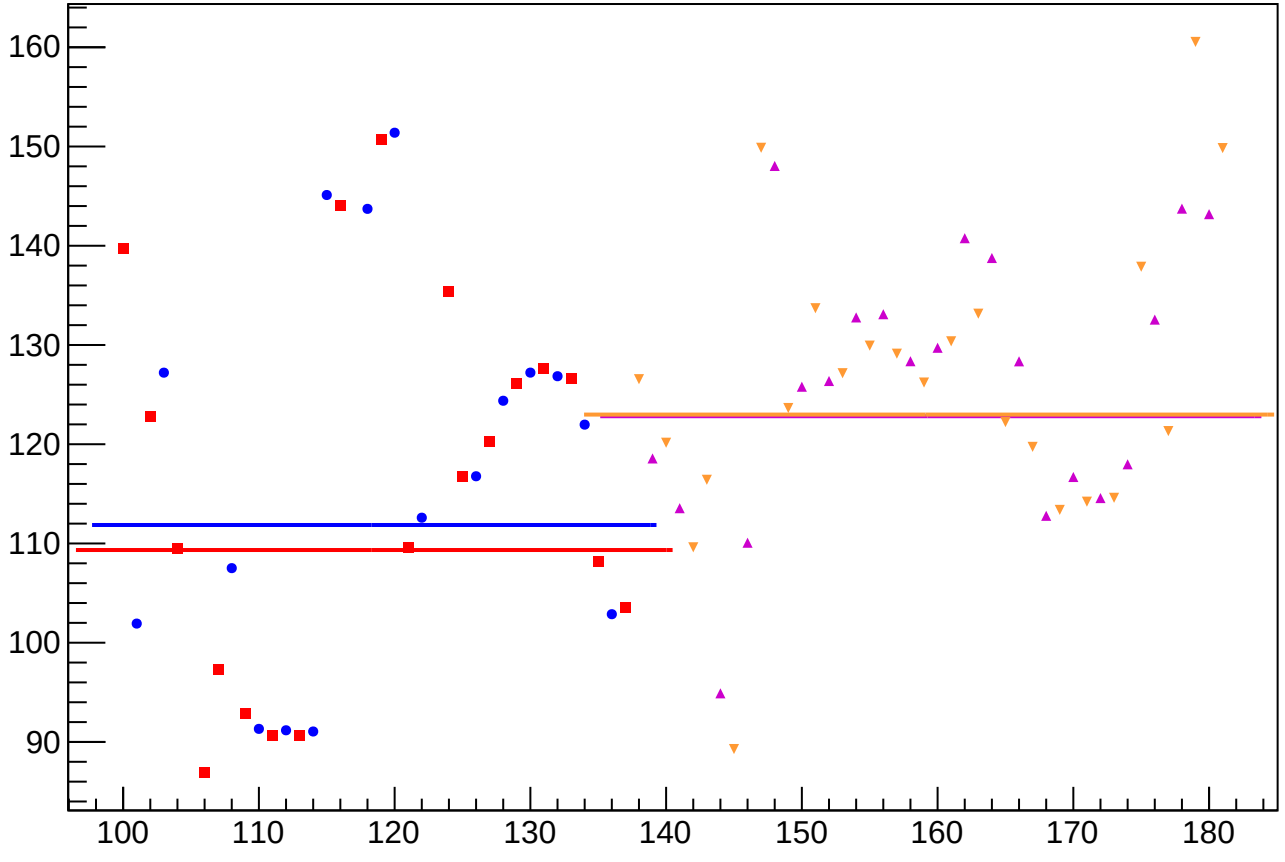
Left In: -256.924+/-29.830 χ^2/NDF:23.1/20

+ sign 215.742+/-23.887 χ^2/NDF: 59.3/38

All: -4.838+/-16.949 χ^2/NDF: 266.5/78

- sign -228.526+/-24.054 χ^2/NDF: 35.5/39

reg_asym_sam_48_dd_rms vs Slug



Right In: 111.862+/-0.030 χ^2/NDF: 306023.8/15

Left Out: 122.988+/-0.021 χ^2/NDF:533076.1/22

Right Out: 109.340+/-0.029 χ^2/NDF: 367219.9/18

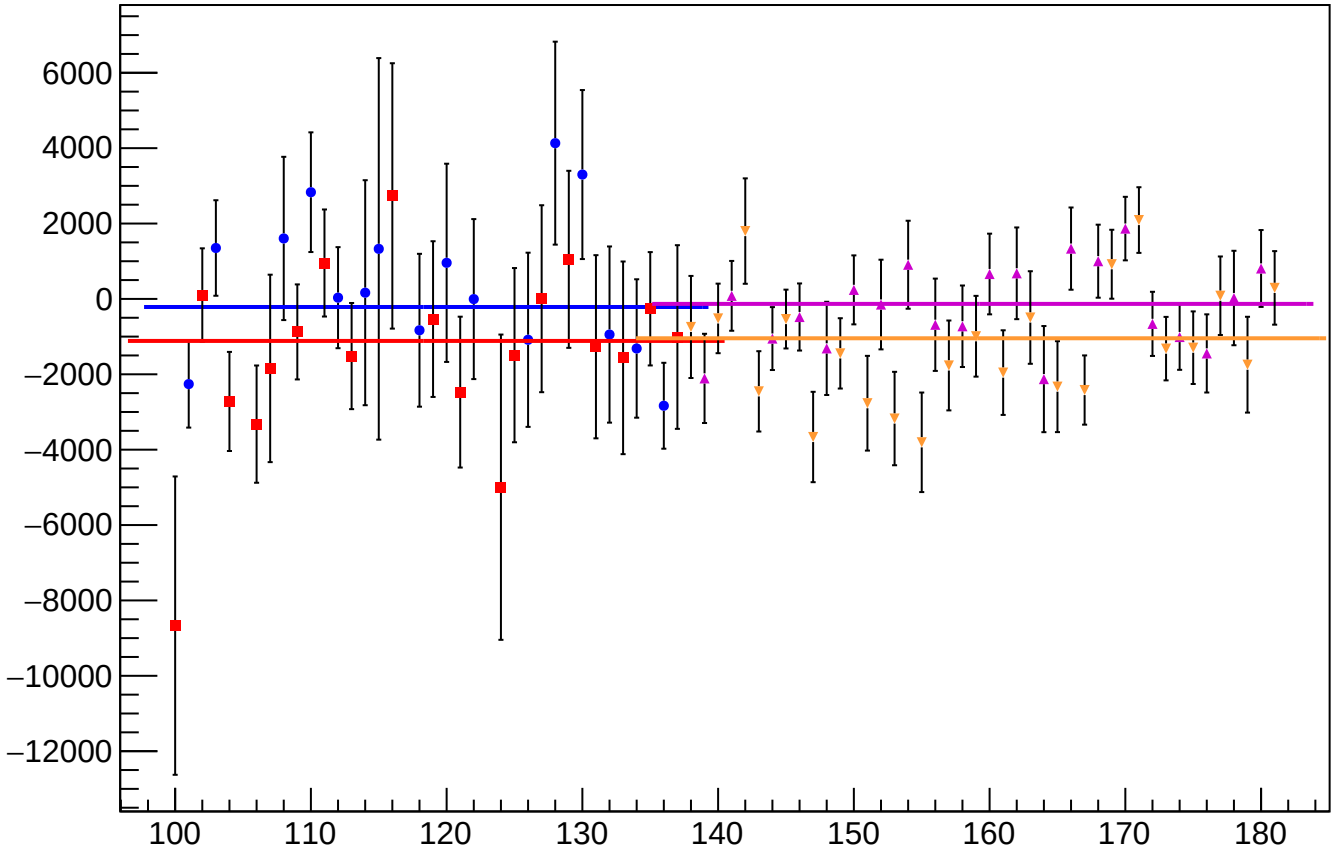
Left In: 122.822+/-0.021 χ^2/NDF:419963.4/20

+ sign 119.412+/-0.017 χ^2/NDF: 933733.7/38

All: 118.764+/-0.012 χ^2/NDF: 1866763.9/78

- sign 118.106+/-0.017 χ^2/NDF: 930064.6/39

asym_sam_48_dd_reg_correction_mean vs Slug



Right In: -214.187+/-443.962 χ^2/NDF: 20.4/15

Left Out: -1044.246+/-218.476 χ^2/NDF:46.5/22

Right Out: -1114.700+/-423.039 χ^2/NDF: 14.5/18

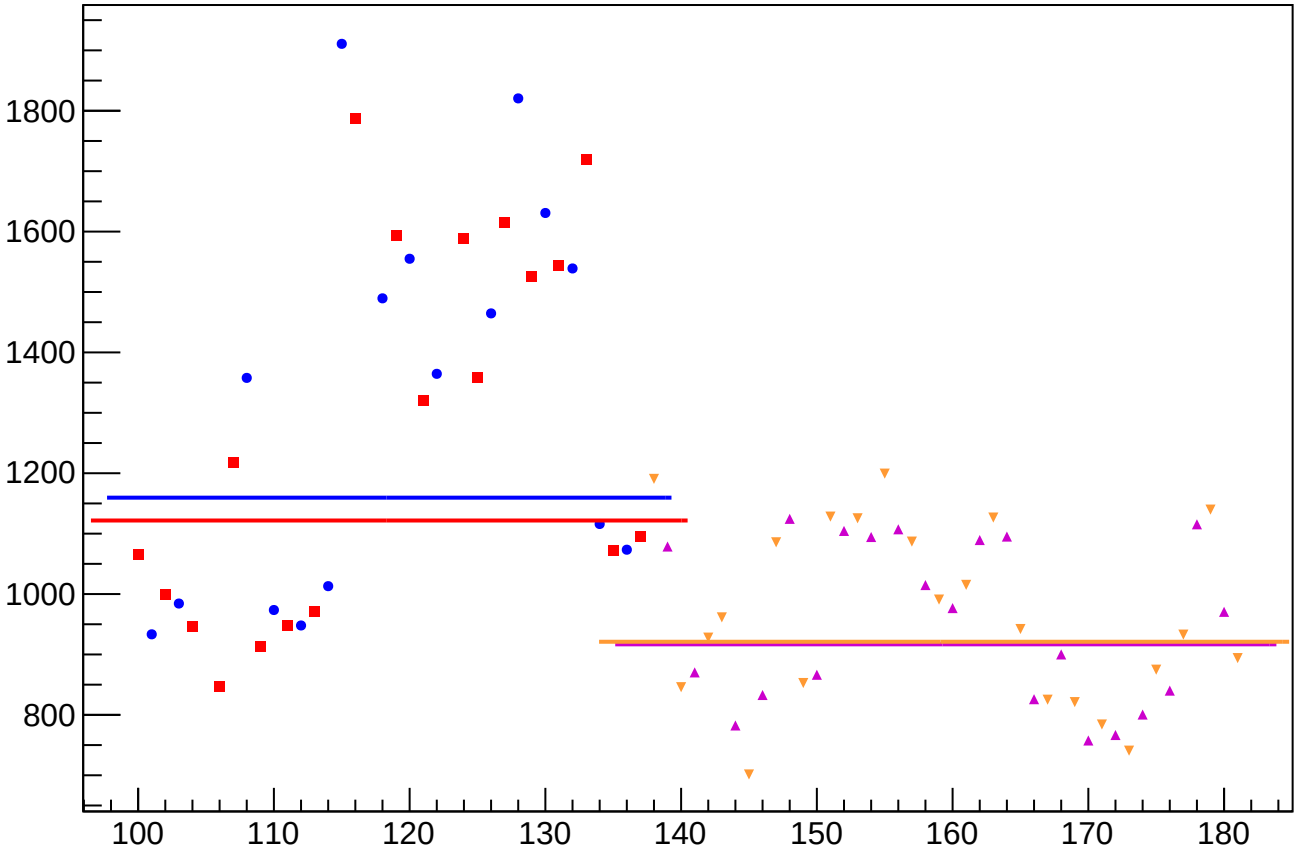
Left In: -132.000+/-223.713 χ^2/NDF:22.3/20

+ sign -882.421+/-196.026 χ^2/NDF: 69.8/38

All: -616.952+/-139.221 χ^2/NDF: 114.5/78

- sign -346.758+/-197.763 χ^2/NDF: 41.0/39

asym_sam_48_dd_reg_correction_rms vs Slug



Right In: 1159.567+/-0.314 χ^2/NDF: 683693.3/15

Left Out: 921.031+/-0.154 χ^2/NDF:870196.1/22

Right Out: 1121.752+/-0.299 χ^2/NDF: 782273.3/18

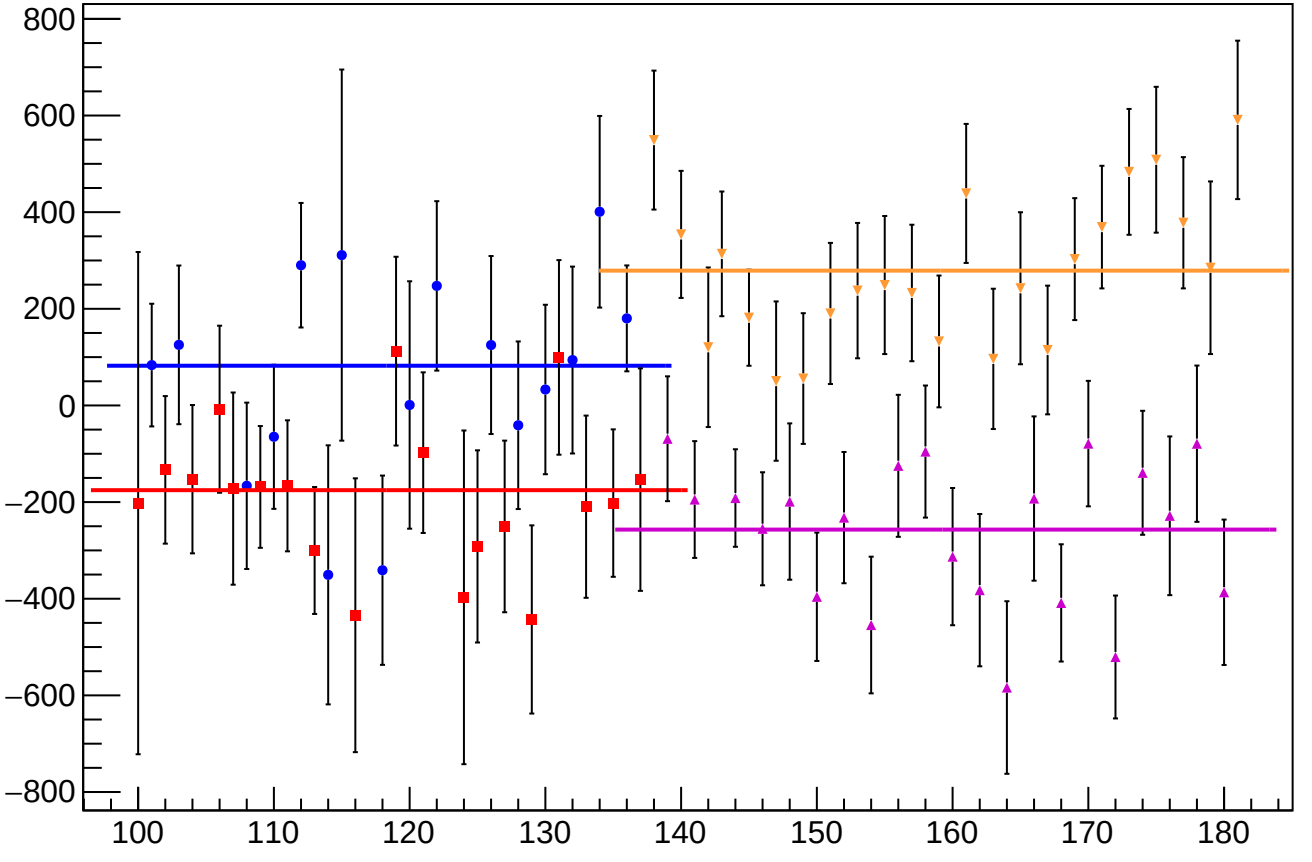
Left In: 916.763+/-0.158 χ^2/NDF:664532.9/20

+ sign 967.535+/-0.139 χ^2/NDF: 2018687.1/38

All: 964.574+/-0.098 χ^2/NDF: 3833388.8/78

- sign 961.561+/-0.140 χ^2/NDF: 1813781.1/39

cor_asym_sam_48_dd_mean vs Slug



Right In: 82.185+/-42.133 χ^2/NDF: 18.4/15

Left Out: 279.001+/-28.997 χ^2/NDF:26.1/22

Right Out: -175.338+/-40.678 χ^2/NDF: 9.9/18

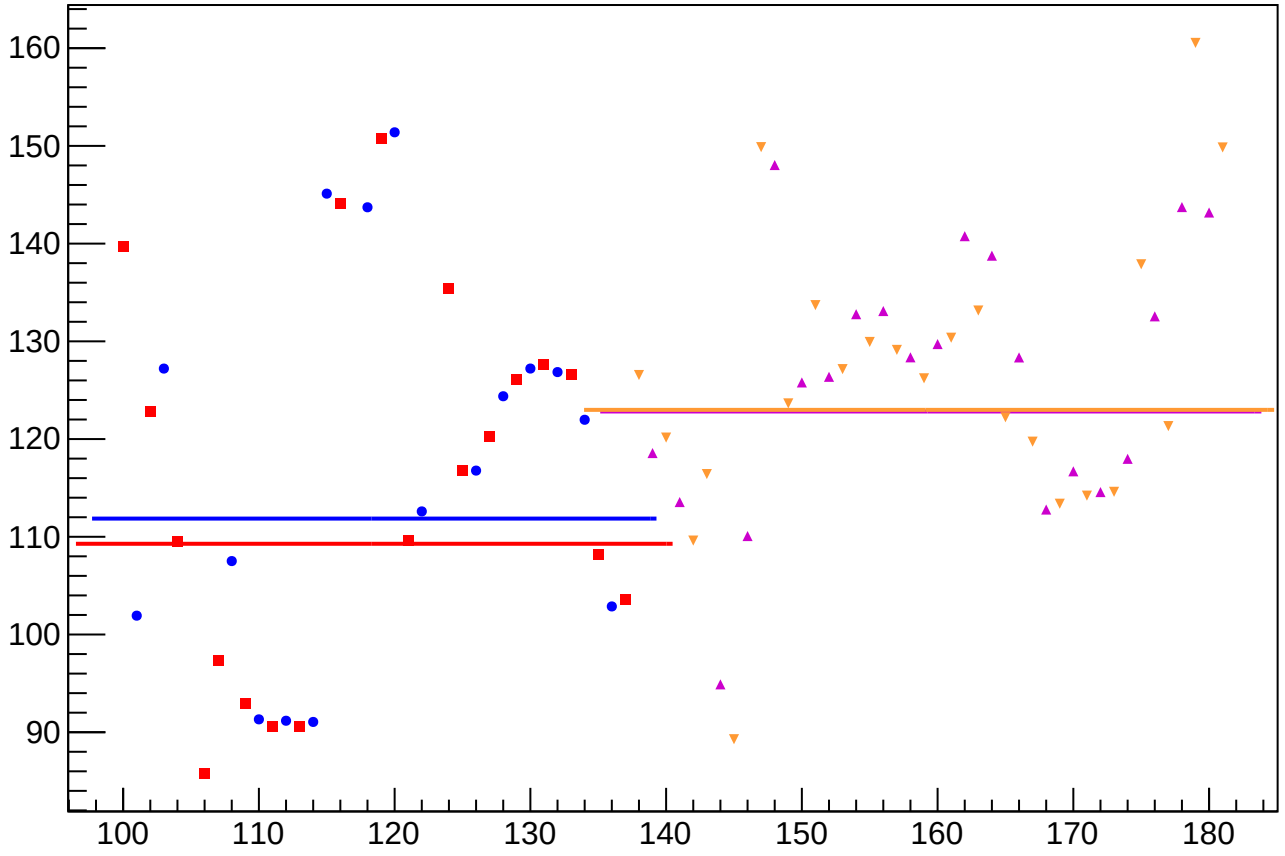
Left In: -256.927+/-29.830 χ^2/NDF:23.1/20

+ sign 215.742+/-23.887 χ^2/NDF: 59.3/38

All: -4.763+/-16.950 χ^2/NDF: 266.5/78

- sign -228.395+/-24.055 χ^2/NDF: 35.6/39

cor_asym_sam_48_dd_rms vs Slug



Right In: 111.862+/-0.030 χ^2/NDF: 306025.0/15

Left Out: 122.988+/-0.021 χ^2/NDF:533076.1/22

Right Out: 109.284+/-0.029 χ^2/NDF: 370711.7/18

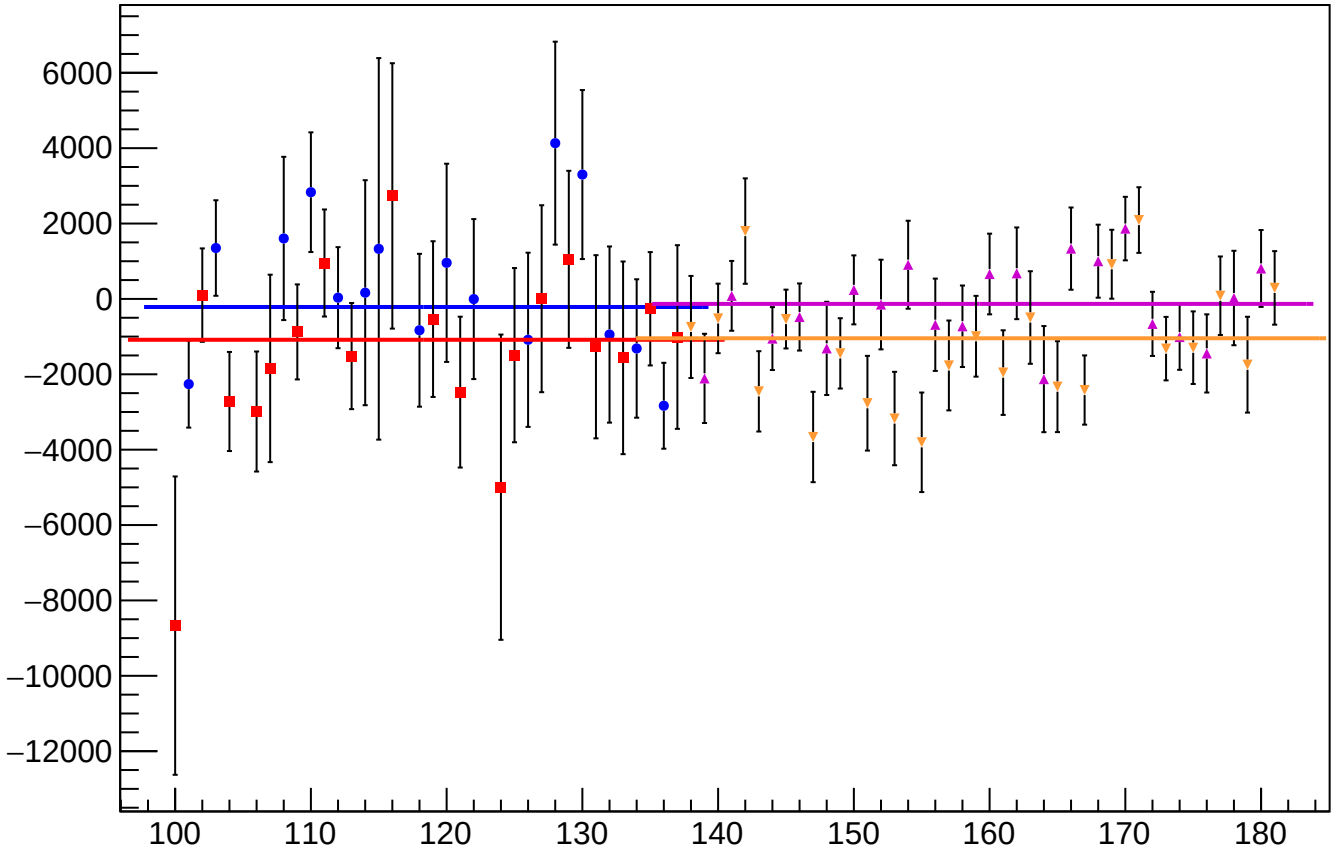
Left In: 122.822+/-0.021 χ^2/NDF:419963.4/20

+ sign 119.412+/-0.017 χ^2/NDF: 933734.4/38

All: 118.754+/-0.012 χ^2/NDF: 1871508.9/78

- sign 118.088+/-0.017 χ^2/NDF: 934723.0/39

asym_sam_48_dd_cor_correction_mean vs Slug



Right In: -214.278+/-443.965 χ^2/NDF: 20.4/15

Left Out: -1044.241+/-218.476 χ^2/NDF:46.5/22

Right Out: -1083.943+/-423.774 χ^2/NDF: 13.9/18

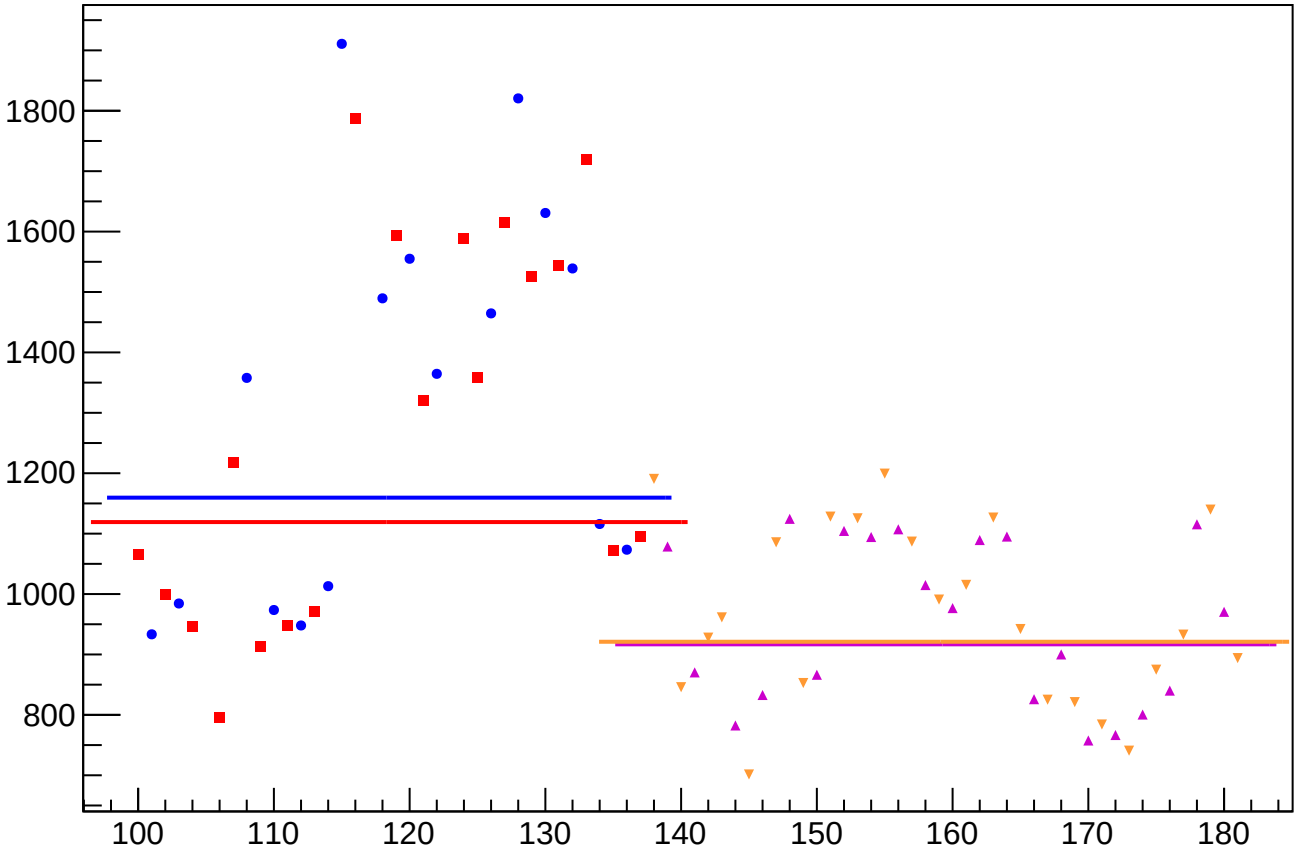
Left In: -132.002+/-223.713 χ^2/NDF:22.3/20

+ sign -882.437+/-196.026 χ^2/NDF: 69.8/38

All: -613.452+/-139.248 χ^2/NDF: 113.7/78

- sign -339.474+/-197.838 χ^2/NDF: 40.1/39

asym_sam_48_dd_cor_correction_rms vs Slug



Right In: 1159.576+/-0.314 χ^2/NDF: 683662.2/15

Left Out: 921.031+/-0.154 χ^2/NDF:870196.4/22

Right Out: 1119.156+/-0.300 χ^2/NDF: 803154.6/18

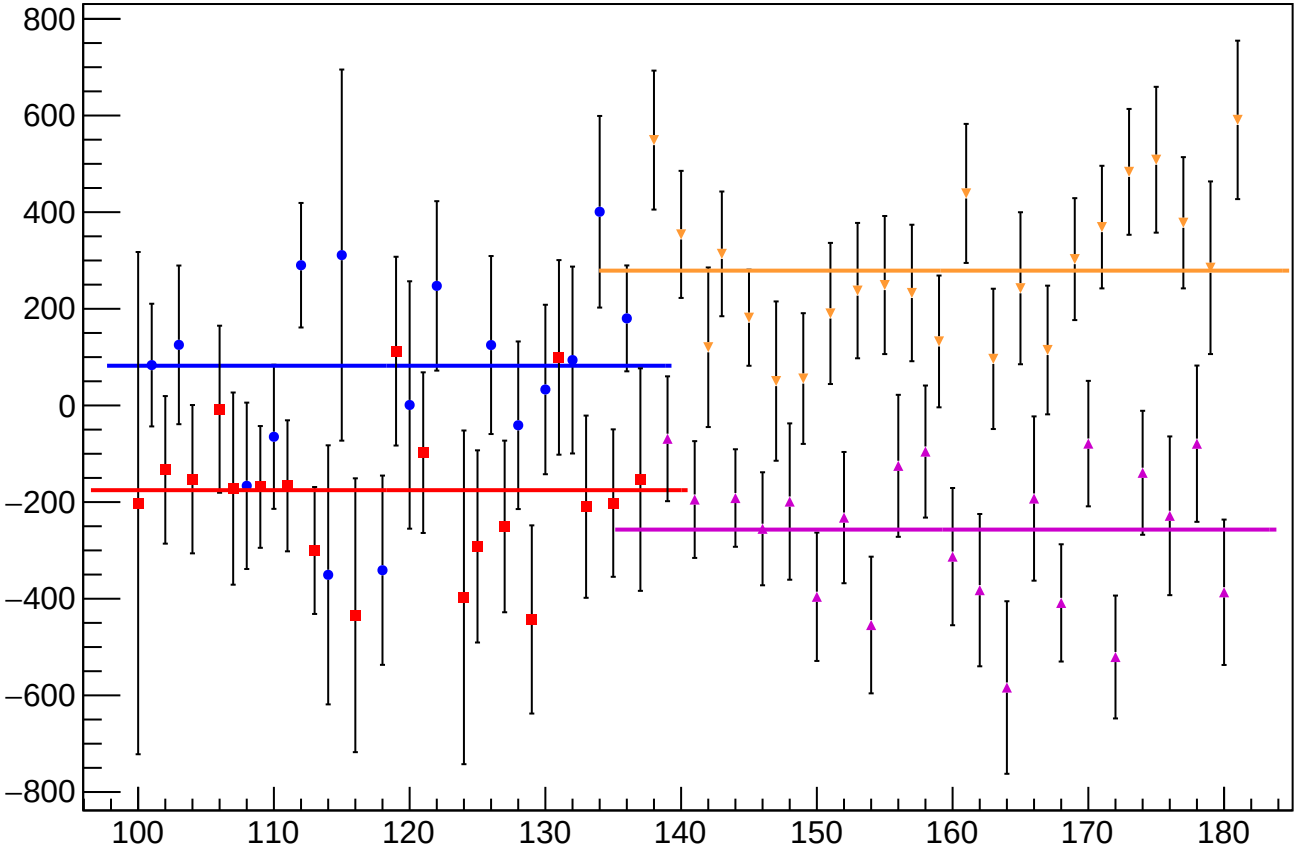
Left In: 916.763+/-0.158 χ^2/NDF:664534.1/20

+ sign 967.537+/-0.139 χ^2/NDF: 2018688.6/38

All: 964.236+/-0.098 χ^2/NDF: 3844289.4/78

- sign 960.874+/-0.140 χ^2/NDF: 1824456.2/39

eigen_cor_asym_sam_48_dd_mean vs Slug



Right In: 82.185+/-42.133 χ^2/NDF: 18.4/15

Left Out: 279.001+/-28.997 χ^2/NDF:26.1/22

Right Out: -175.338+/-40.678 χ^2/NDF: 9.9/18

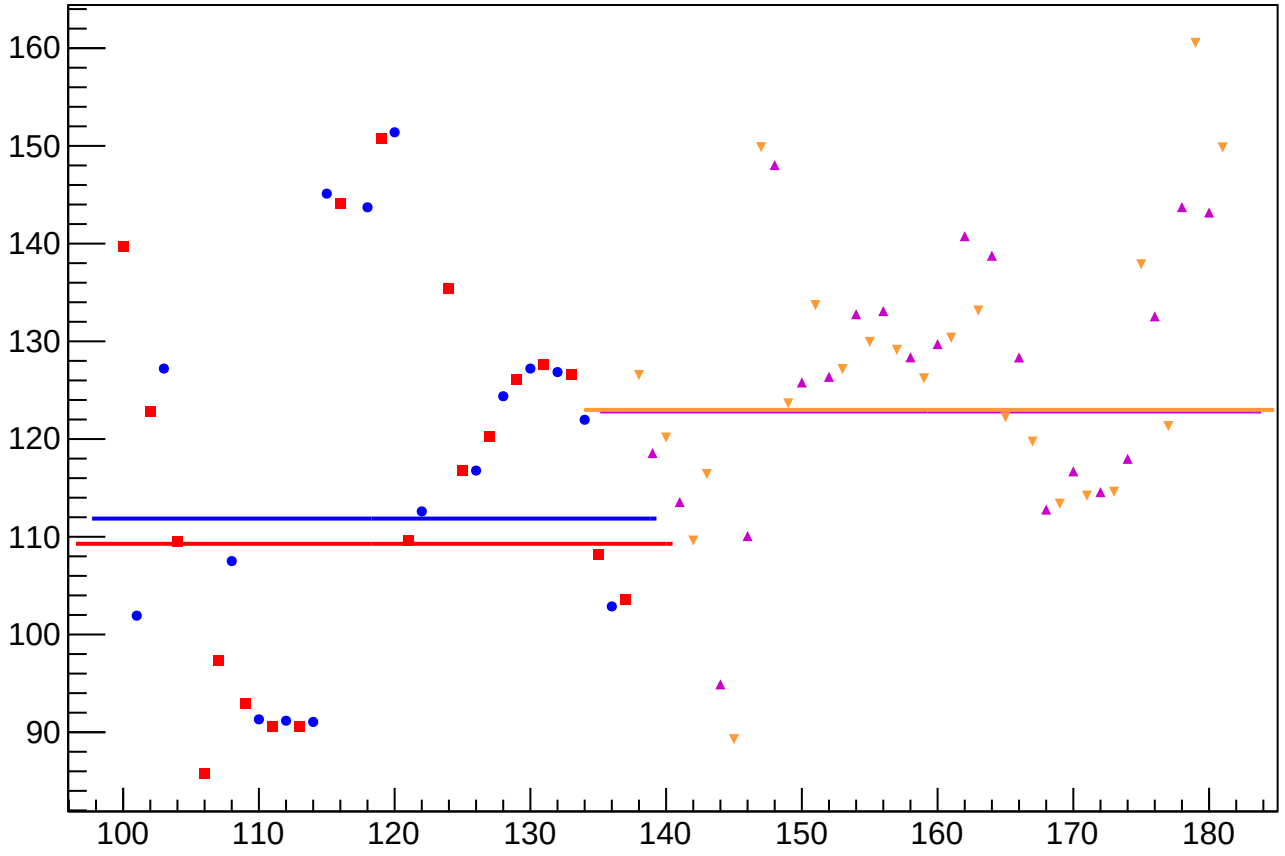
Left In: -256.927+/-29.830 χ^2/NDF:23.1/20

+ sign 215.742+/-23.887 χ^2/NDF: 59.3/38

All: -4.763+/-16.950 χ^2/NDF: 266.5/78

- sign -228.395+/-24.055 χ^2/NDF: 35.6/39

eigen_cor_asym_sam_48_dd_rms vs Slug



Right In: 111.862+/-0.030 χ^2/NDF: 306025.0/15

Left Out: 122.988+/-0.021 χ^2/NDF:533076.1/22

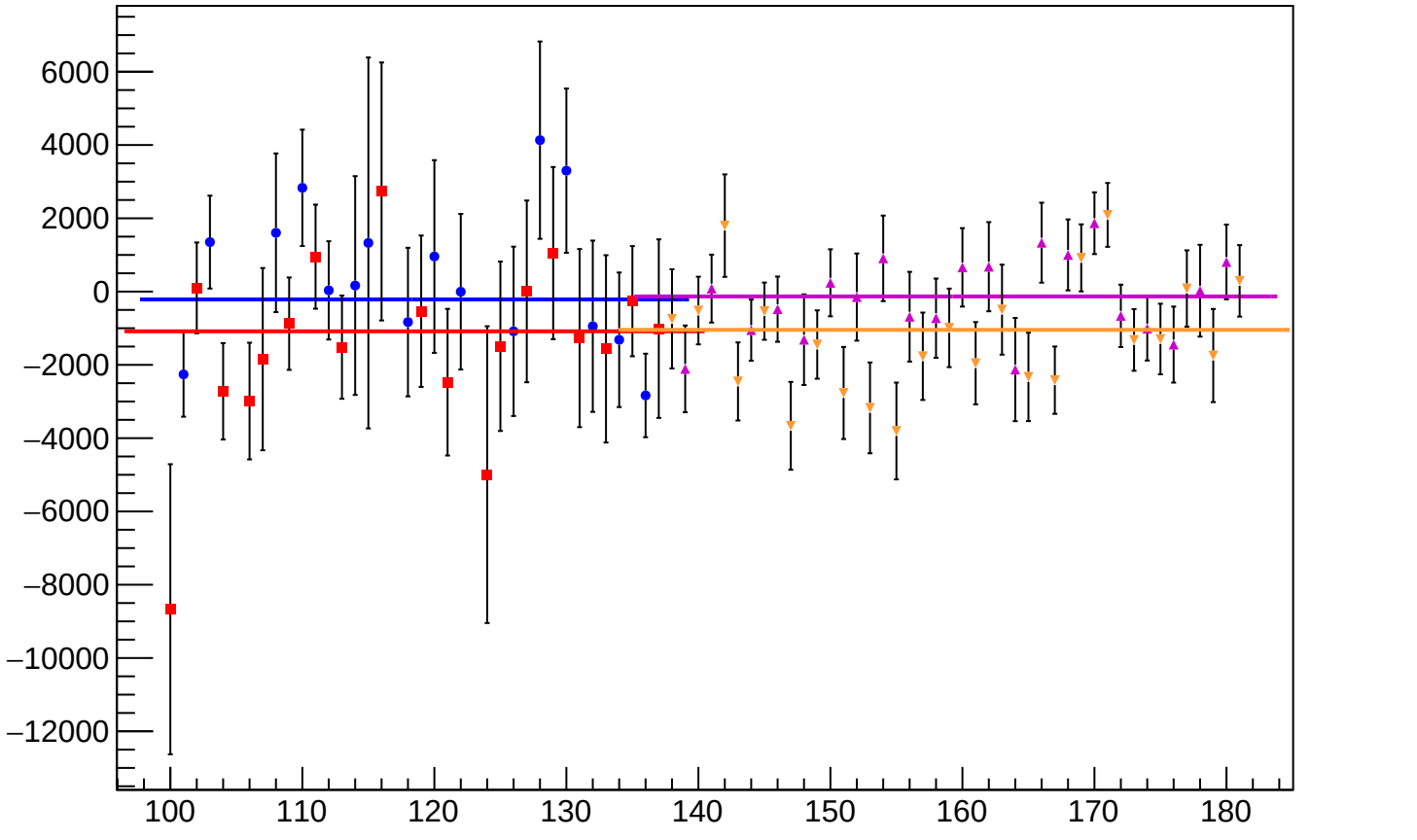
Right Out: 109.284+/-0.029 χ^2/NDF: 370711.7/18

Left In: 122.822+/-0.021 χ^2/NDF:419963.4/20

+ sign 119.412+/-0.017 χ^2/NDF: 933734.4/38

All: 118.754+/-0.012 χ^2/NDF: 1871508.9/78

- sign 118.088+/-0.017 χ^2/NDF: 934723.0/39



Right In: -214.278+/-443.965 χ^2/NDF: 20.4/15

Left Out: -1044.241+/-218.476 χ^2/NDF:46.5/22

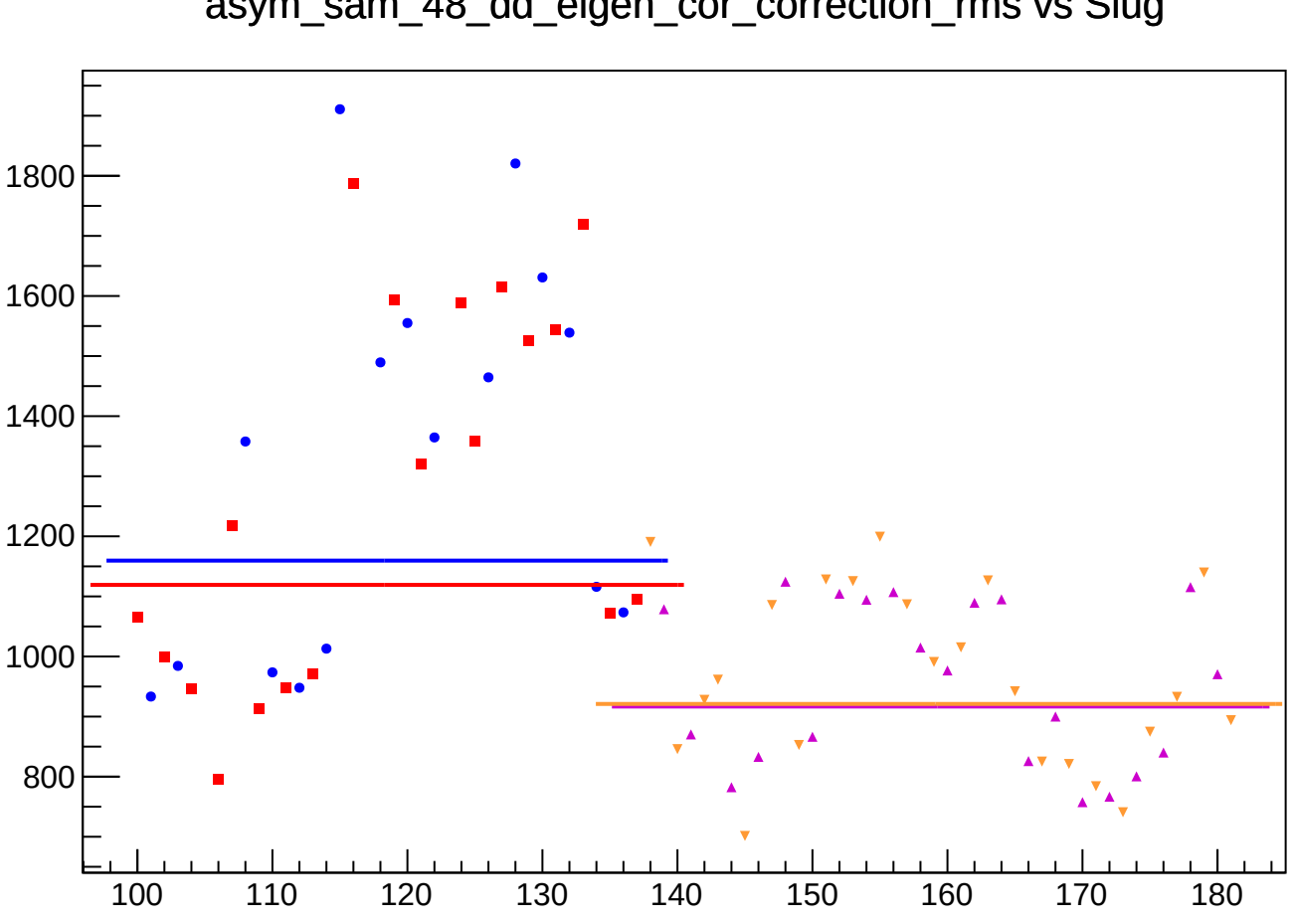
Right Out: -1083.943+/-423.774 χ^2/NDF: 13.9/18

Left In: -132.002+/-223.713 χ^2/NDF:22.3/20

+ sign -882.437+/-196.026 χ^2/NDF: 69.8/38

All: -613.452+/-139.248 χ^2/NDF: 113.7/78

- sign -339.474+/-197.838 χ^2/NDF: 40.1/39



Right In: 1159.576+/-0.314 χ^2/NDF: 683662.2/15

Left Out: 921.031+/-0.154 χ^2/NDF:870196.4/22

Right Out: 1119.156+/-0.300 χ^2/NDF: 803154.6/18

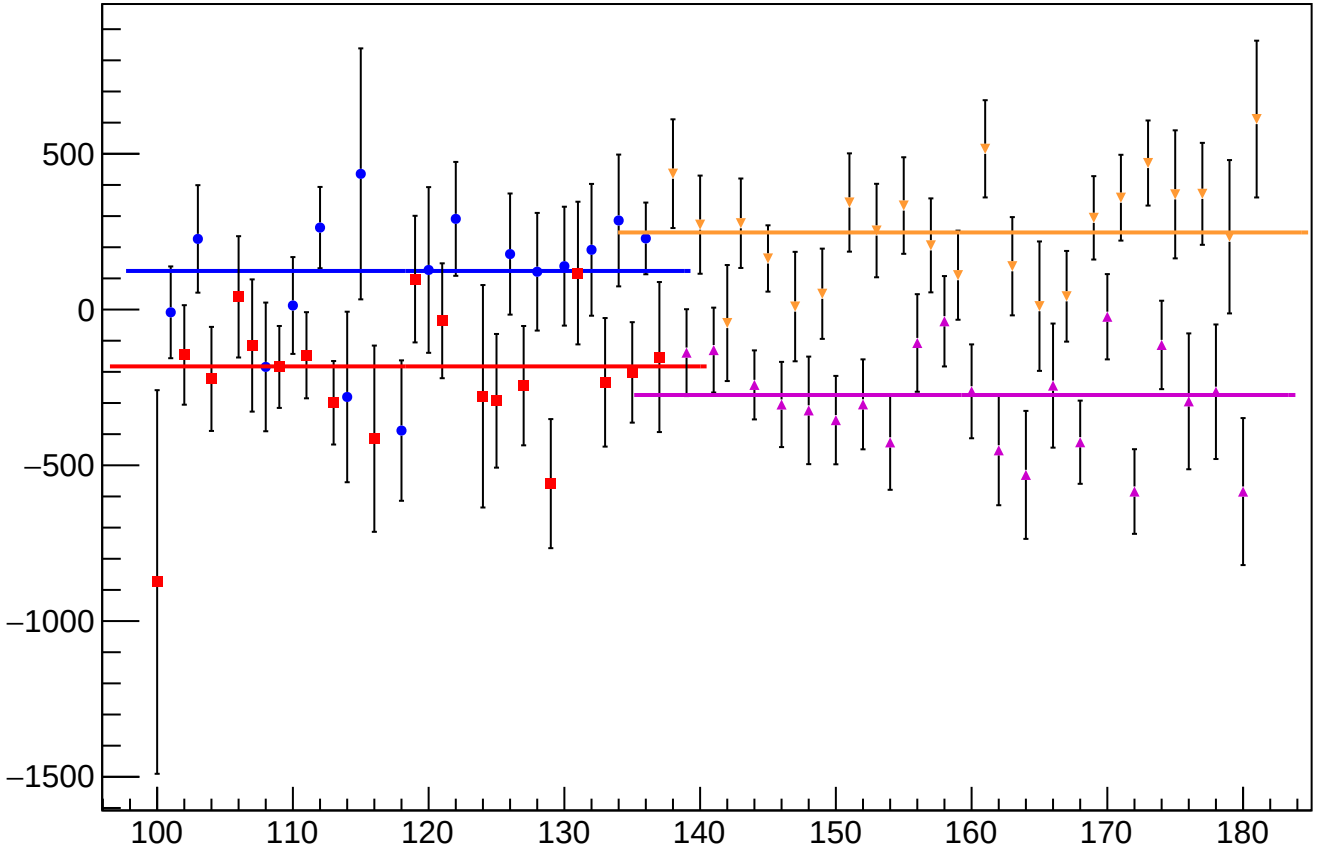
Left In: 916.763+/-0.158 χ^2/NDF:664534.1/20

+ sign 967.537+/-0.139 χ^2/NDF: 2018688.6/38

All: 964.236+/-0.098 χ^2/NDF: 3844289.4/78

- sign 960.874+/-0.140 χ^2/NDF: 1824456.2/39

dit_asym_sam_48_dd_mean vs Slug



Right In: 123.892+/-45.238 χ^2/NDF: 15.4/15

Left Out: 247.508+/-32.533 χ^2/NDF:22.8/22

Right Out: -182.467+/-43.224 χ^2/NDF: 12.3/18

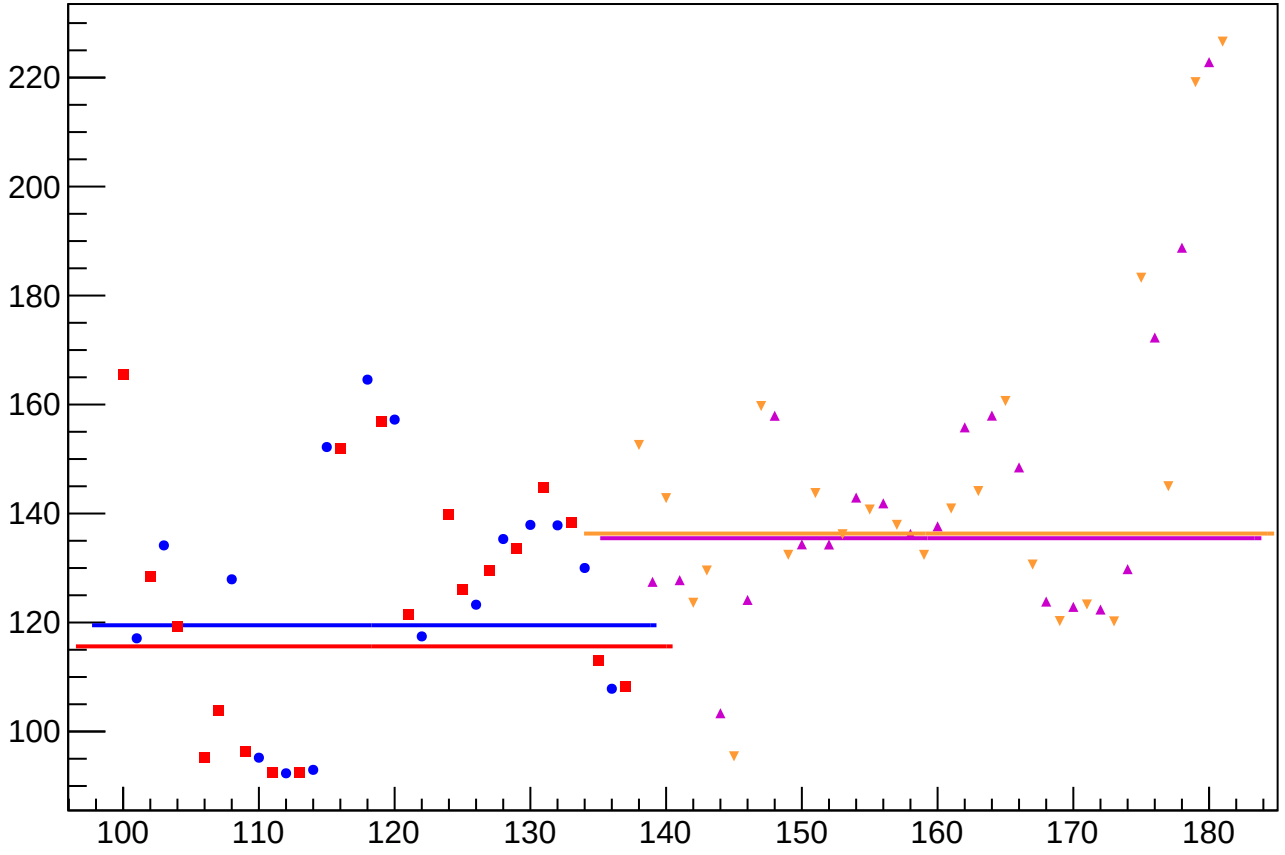
Left In: -274.270+/-33.303 χ^2/NDF:22.9/20

+ sign 205.369+/-26.412 χ^2/NDF: 43.2/38

All: -17.618+/-18.665 χ^2/NDF: 223.6/78

- sign -240.074+/-26.381 χ^2/NDF: 38.1/39

dit_asym_sam_48_dd_rms vs Slug



Right In: 119.495+/-0.032 χ^2/NDF: 380250.8/15

Left Out: 136.323+/-0.023 χ^2/NDF:1079568.1/22

Right Out: 115.622+/-0.031 χ^2/NDF: 426961.7/18

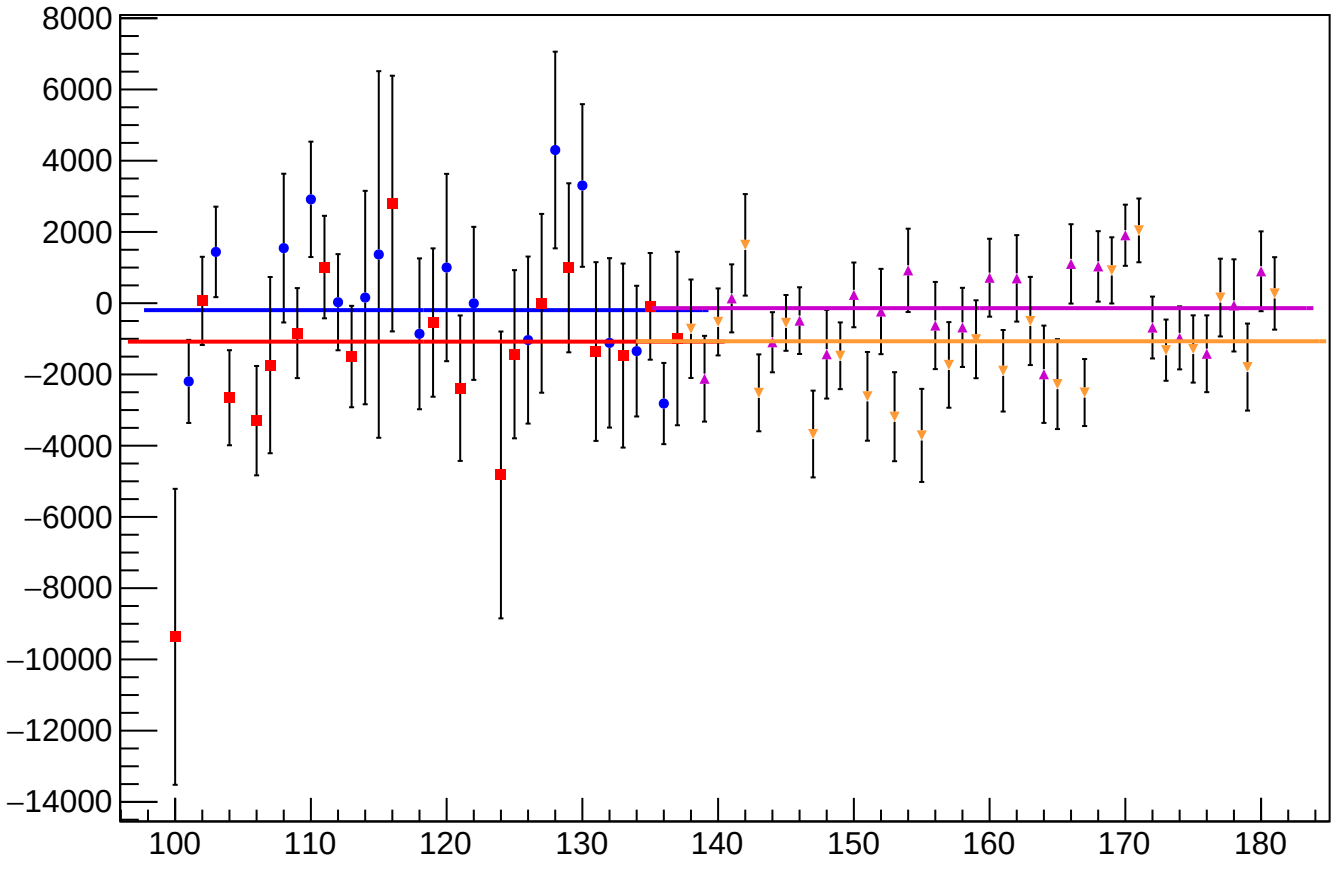
Left In: 135.469+/-0.024 χ^2/NDF:803588.6/20

+ sign 130.586+/-0.019 χ^2/NDF: 1642229.6/38

All: 129.330+/-0.013 χ^2/NDF: 3146433.7/78

- sign 128.076+/-0.019 χ^2/NDF: 1495162.3/39

asym_sam_48_dd_dit_correction_mean vs Slug



Right In: -195.086+/-447.334 χ^2/NDF: 20.4/15

Left Out: -1068.538+/-221.506 χ^2/NDF:44.0/22

Right Out: -1079.393+/-425.950 χ^2/NDF: 14.6/18

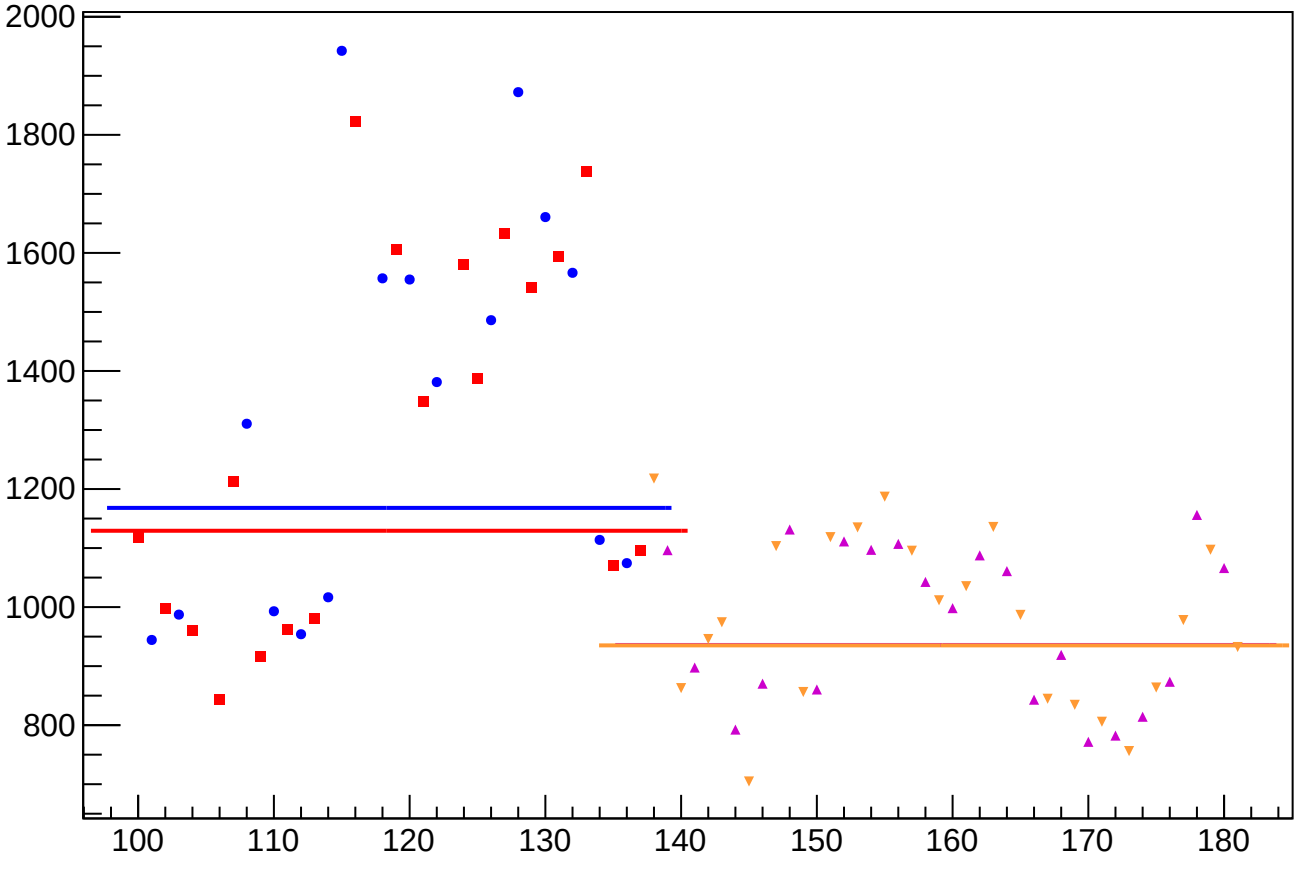
Left In: -139.154+/-228.288 χ^2/NDF:21.5/20

\+ sign -896.545+/-198.503 χ^2/NDF: 67.4/38

All: -626.465+/-141.311 χ^2/NDF: 111.0/78

\- sign -348.965+/-201.212 χ^2/NDF: 39.9/39

asym_sam_48_dd_dit_correction_rms vs Slug



Right In: 1168.063+/-0.316 χ^2/NDF: 709363.8/15

Left Out: 935.140+/-0.157 χ^2/NDF:829421.1/22

Right Out: 1129.316+/-0.301 χ^2/NDF: 807222.5/18

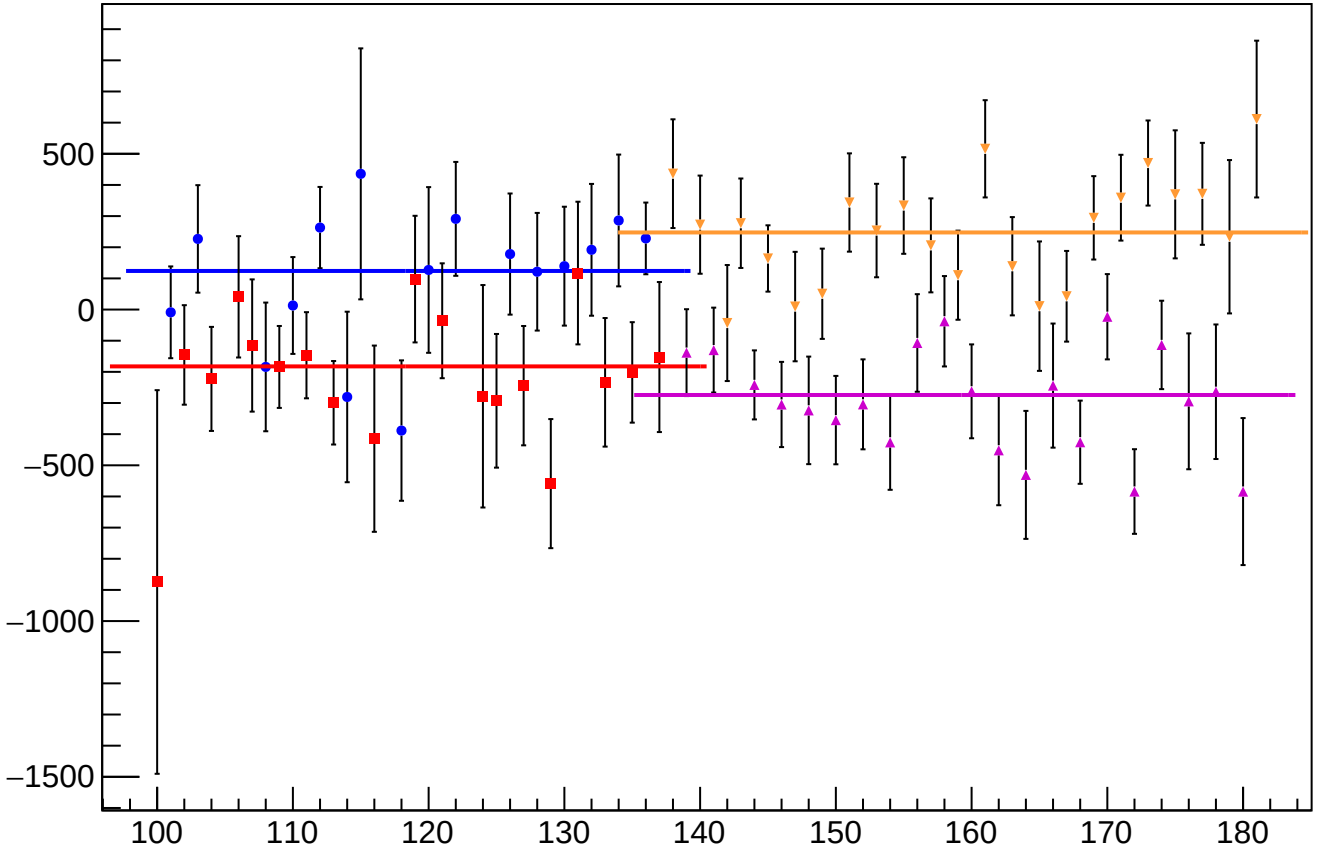
Left In: 935.849+/-0.161 χ^2/NDF:642100.7/20

+ sign 981.006+/-0.140 χ^2/NDF: 1974248.8/38

All: 980.027+/-0.100 χ^2/NDF: 3744198.5/78

- sign 979.021+/-0.142 χ^2/NDF: 1769851.0/39

eigen_dit_asym_sam_48_dd_mean vs Slug



Right In: 123.895+/-45.238 χ^2/NDF: 15.4/15

Left Out: 247.510+/-32.533 χ^2/NDF:22.8/22

Right Out: -182.468+/-43.224 χ^2/NDF: 12.3/18

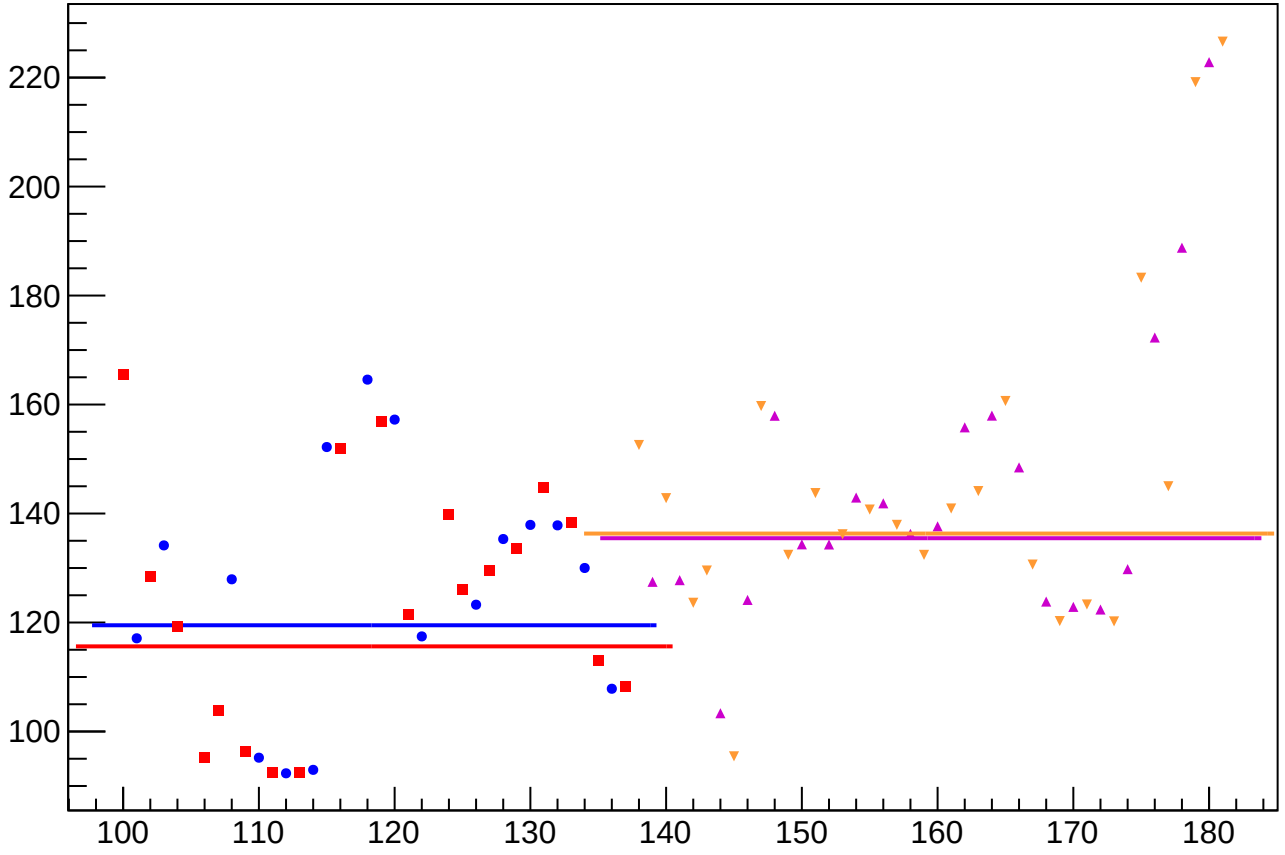
Left In: -274.271+/-33.303 χ^2/NDF:22.9/20

+ sign 205.372+/-26.412 χ^2/NDF: 43.2/38

All: -17.617+/-18.665 χ^2/NDF: 223.6/78

- sign -240.075+/-26.381 χ^2/NDF: 38.1/39

eigen_dit_asym_sam_48_dd_rms vs Slug



Right In: 119.495+/-0.032 χ^2/NDF: 380254.2/15

Left Out: 136.323+/-0.023 χ^2/NDF:1079571.9/22

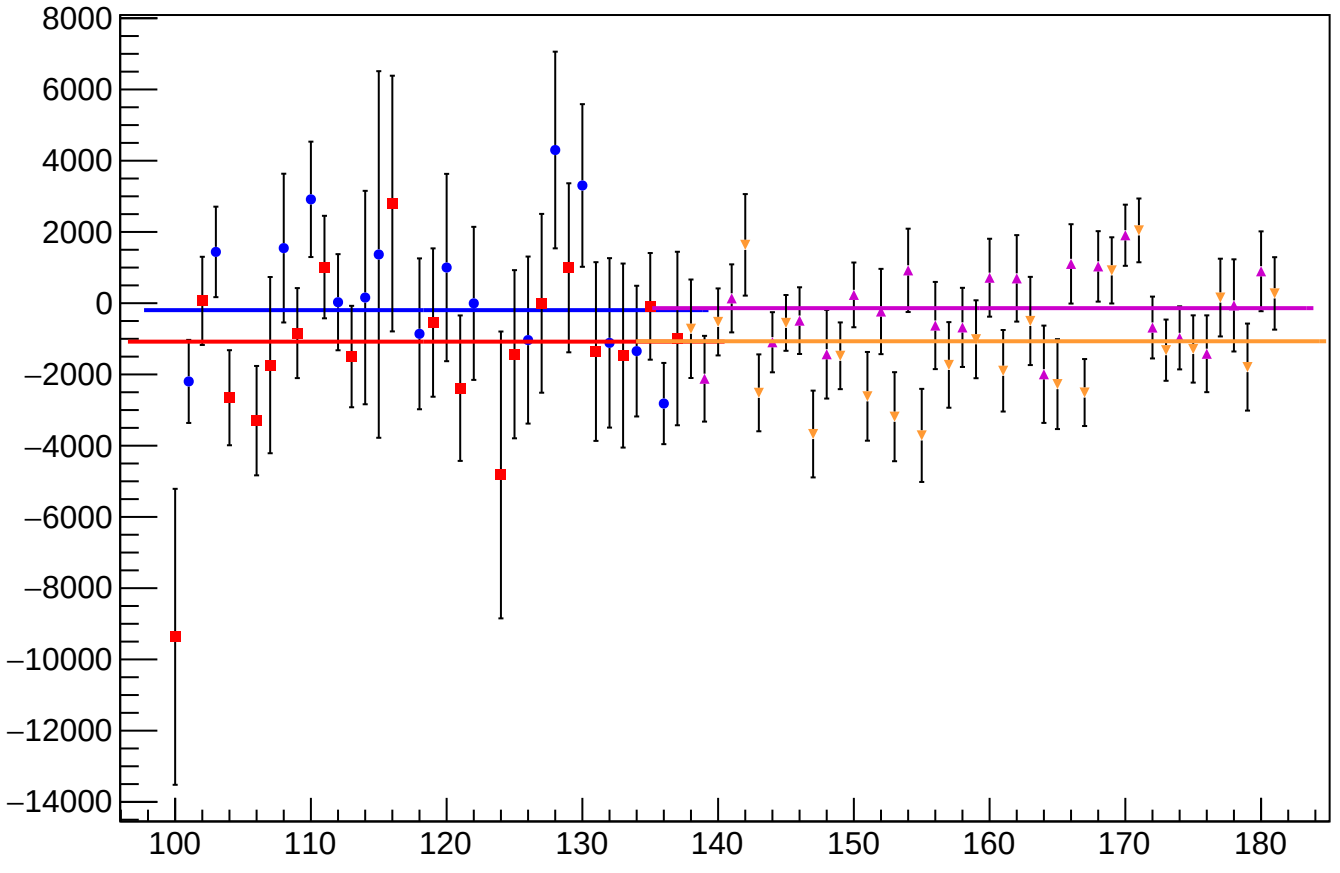
Right Out: 115.622+/-0.031 χ^2/NDF: 426966.4/18

Left In: 135.469+/-0.024 χ^2/NDF:803572.9/20

+ sign 130.586+/-0.019 χ^2/NDF: 1642236.4/38

All: 129.330+/-0.013 χ^2/NDF: 3146430.7/78

- sign 128.076+/-0.019 χ^2/NDF: 1495152.3/39



Right In: -195.085+/-447.334 χ^2/NDF: 20.4/15

Left Out: -1068.536+/-221.506 χ^2/NDF:44.0/22

Right Out: -1079.393+/-425.950 χ^2/NDF: 14.6/18

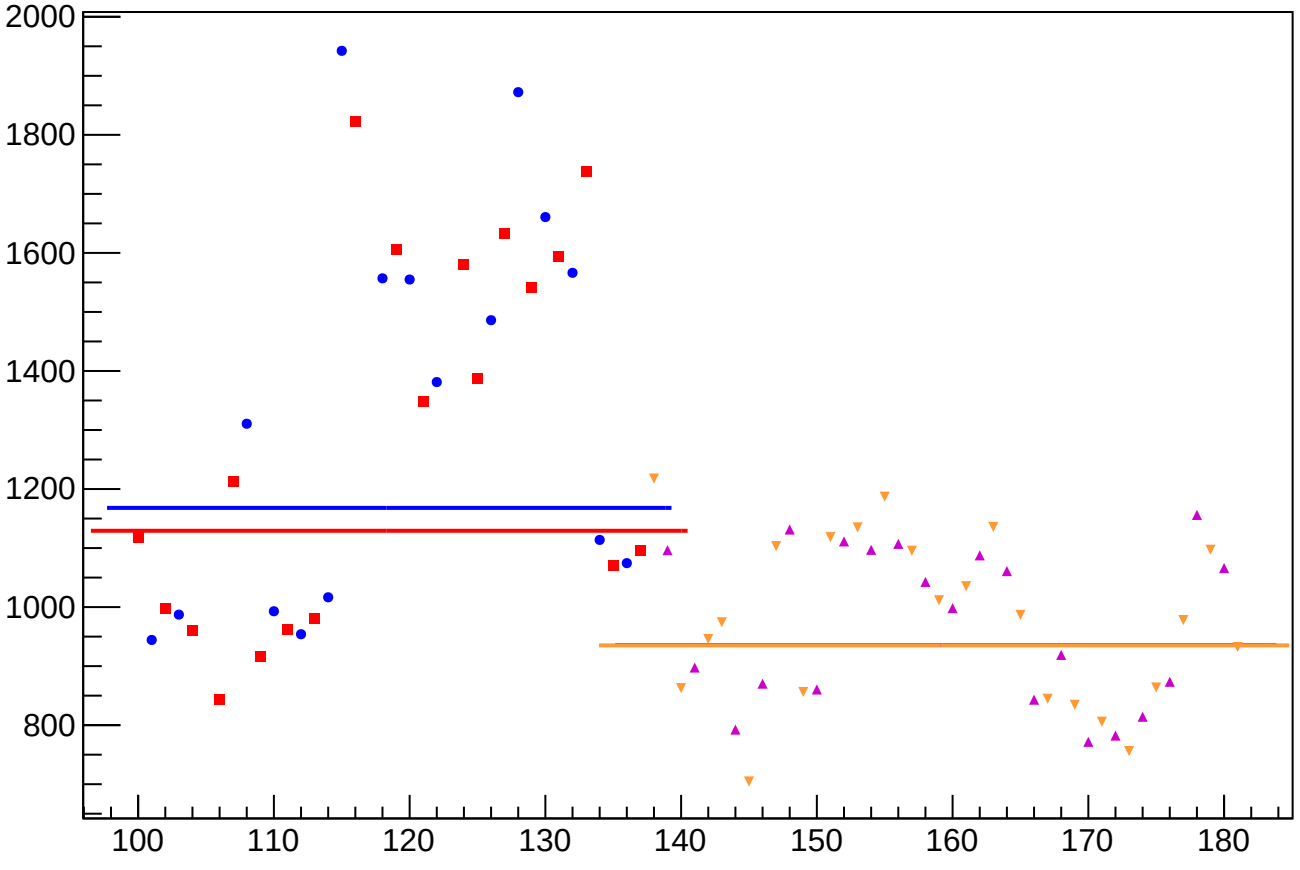
Left In: -139.153+/-228.288 χ^2/NDF:21.5/20

\+ sign -896.543+/-198.503 χ^2/NDF: 67.4/38

All: -626.464+/-141.311 χ^2/NDF: 111.0/78

\- sign -348.964+/-201.212 χ^2/NDF: 39.9/39

asym_sam_48_dd_eigen_dit_correction_rms vs Slug



Right In: 1168.063+/-0.316 χ^2/NDF: 709365.6/15

Left Out: 935.139+/-0.157 χ^2/NDF:829423.6/22

Right Out: 1129.316+/-0.301 χ^2/NDF: 807224.0/18

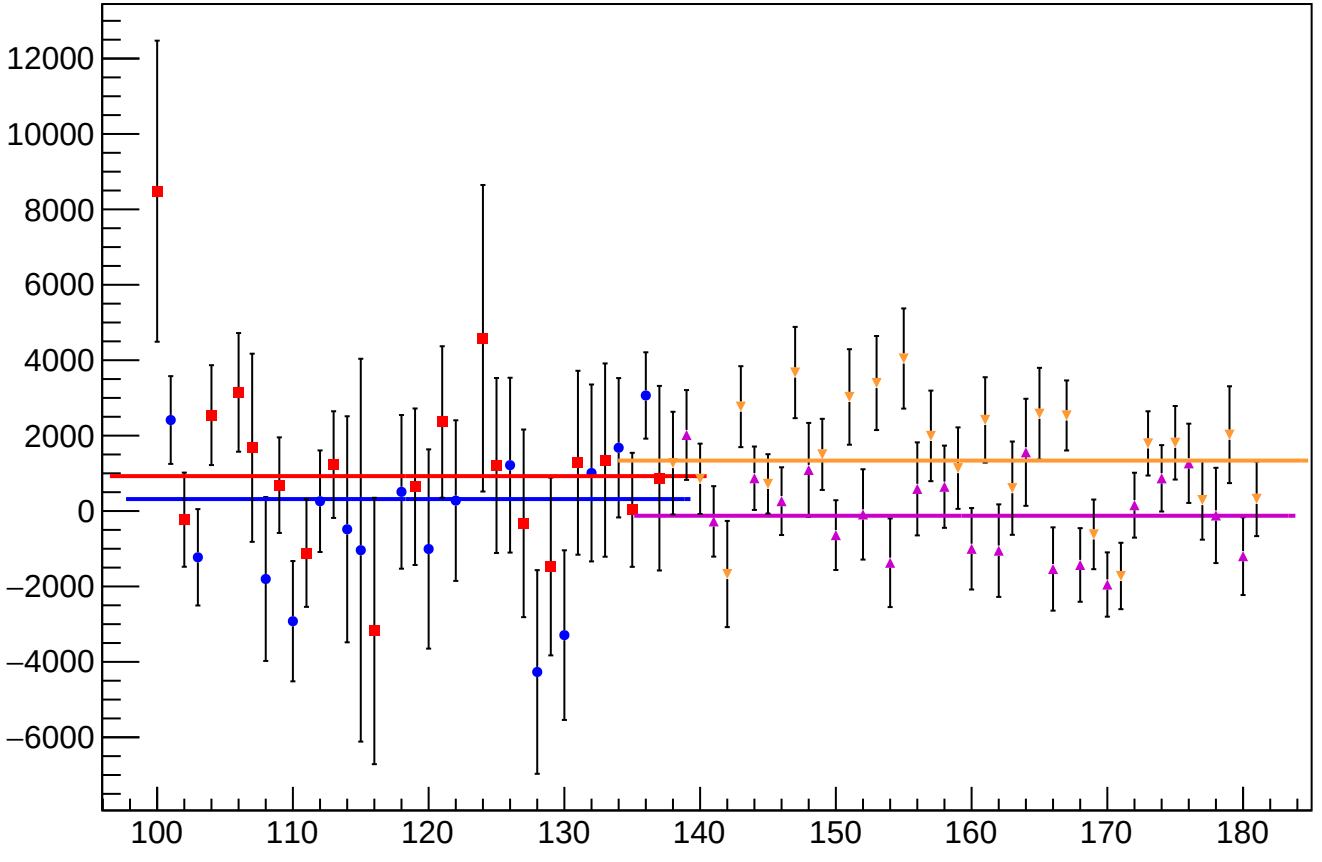
Left In: 935.848+/-0.161 χ^2/NDF:642099.1/20

+ sign 981.005+/-0.140 χ^2/NDF: 1974257.3/38

All: 980.026+/-0.100 χ^2/NDF: 3744209.5/78

- sign 979.020+/-0.142 χ^2/NDF: 1769853.6/39

asym_sam_48_dd_mean vs Slug



Right In: 317.365+/-446.341 χ^2/NDF: 22.2/15

Left Out: 1338.479+/-220.535 χ^2/NDF:43.3/22

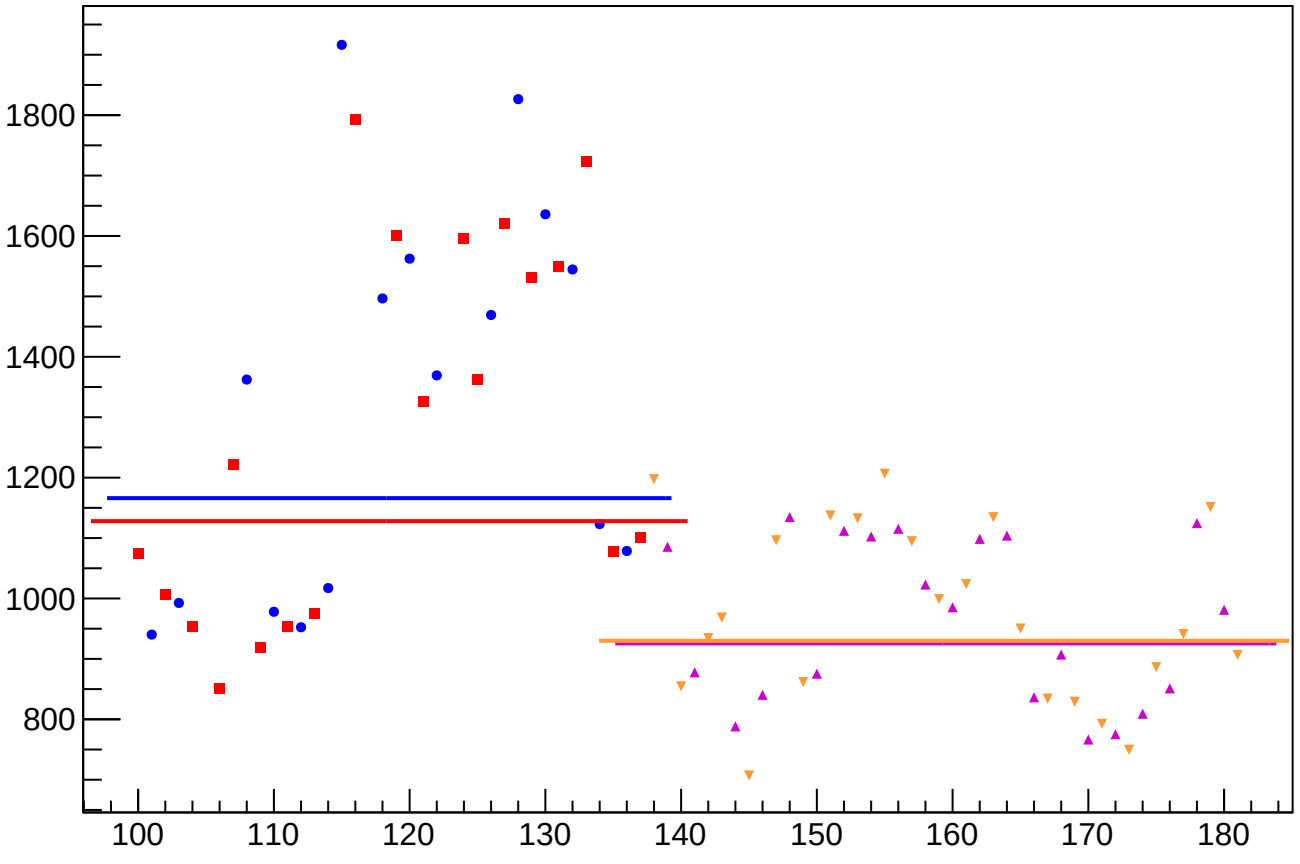
Right Out: 926.036+/-425.405 χ^2/NDF: 14.5/18

Left In: -125.025+/-225.814 χ^2/NDF:22.9/20

+ sign 1138.110+/-197.717 χ^2/NDF: 69.7/38

All: 626.585+/-140.418 χ^2/NDF: 125.4/78

- sign 106.029+/-199.455 χ^2/NDF: 42.2/39



Right In: 1166.056+/-0.316 χ^2/NDF: 677063.1/15

Left Out: 929.941+/-0.156 χ^2/NDF:857900.8/22

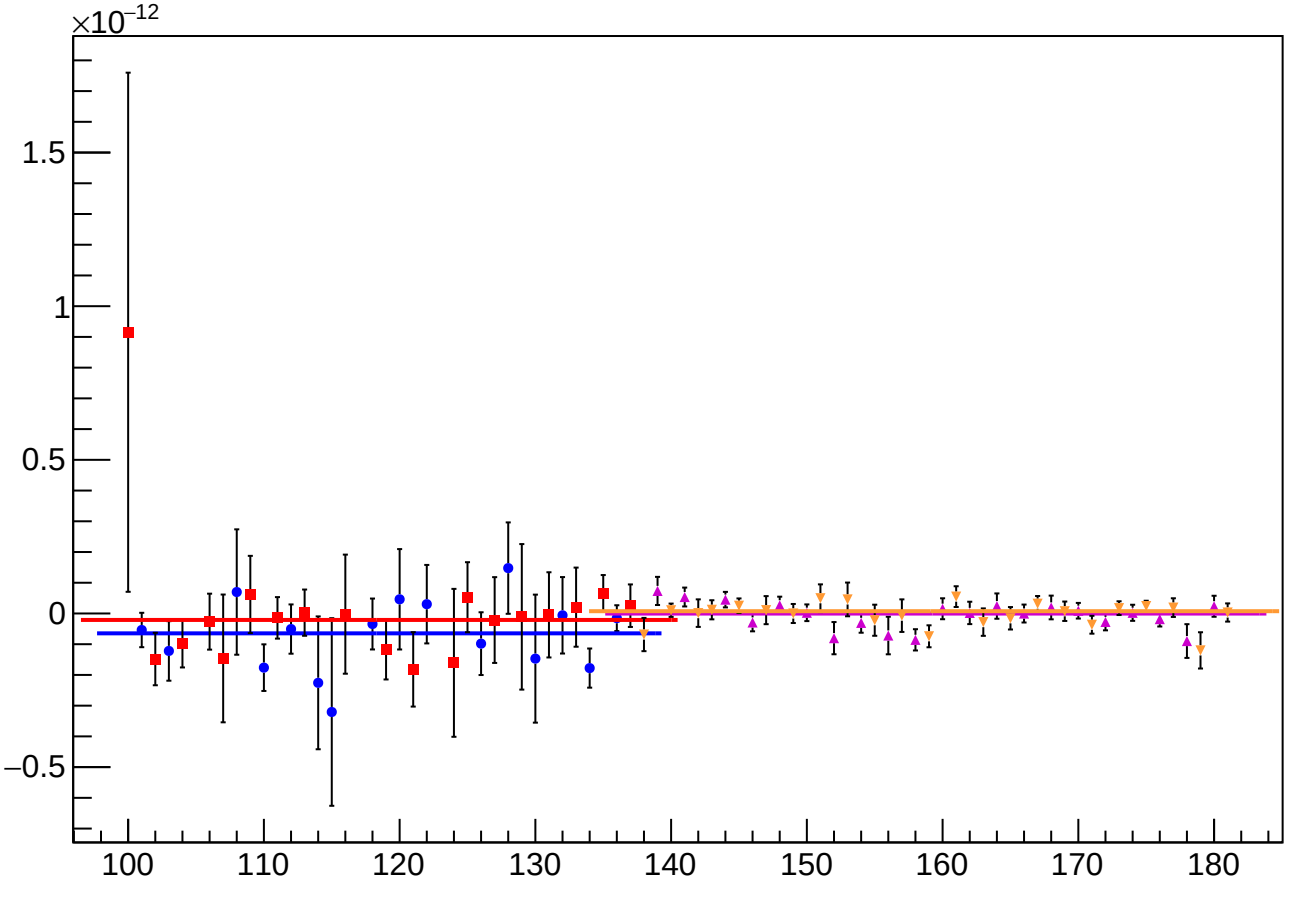
Right Out: 1128.006+/-0.301 χ^2/NDF: 775766.7/18

Left In: 925.564+/-0.160 χ^2/NDF:654116.4/20

+ sign 976.273+/-0.140 χ^2/NDF: 1984825.3/38

All: 973.197+/-0.099 χ^2/NDF: 3769045.2/78

- sign 970.067+/-0.141 χ^2/NDF: 1783243.2/39



Right In: -0.000+/-0.000 χ^2/NDF: 12.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:21.9/22

Right Out: -0.000+/-0.000 χ^2/NDF: 11.5/18

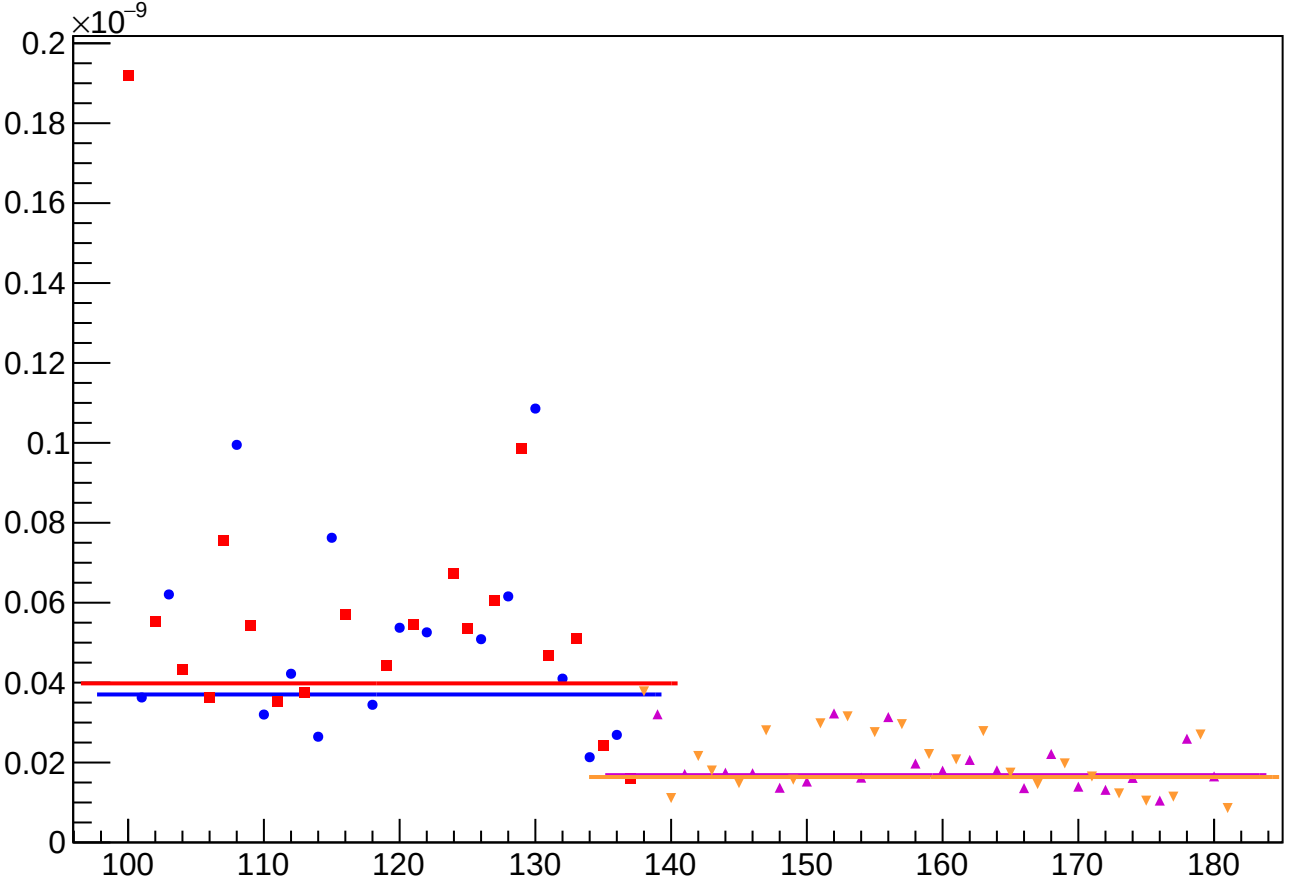
Left In: -0.000+/-0.000 χ^2/NDF:27.2/20

+ sign 0.000+/-0.000 χ^2/NDF: 44.4/38

All: -0.000+/-0.000 χ^2/NDF: 83.9/78

- sign -0.000+/-0.000 χ^2/NDF: 39.4/39

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:1967071.2/22

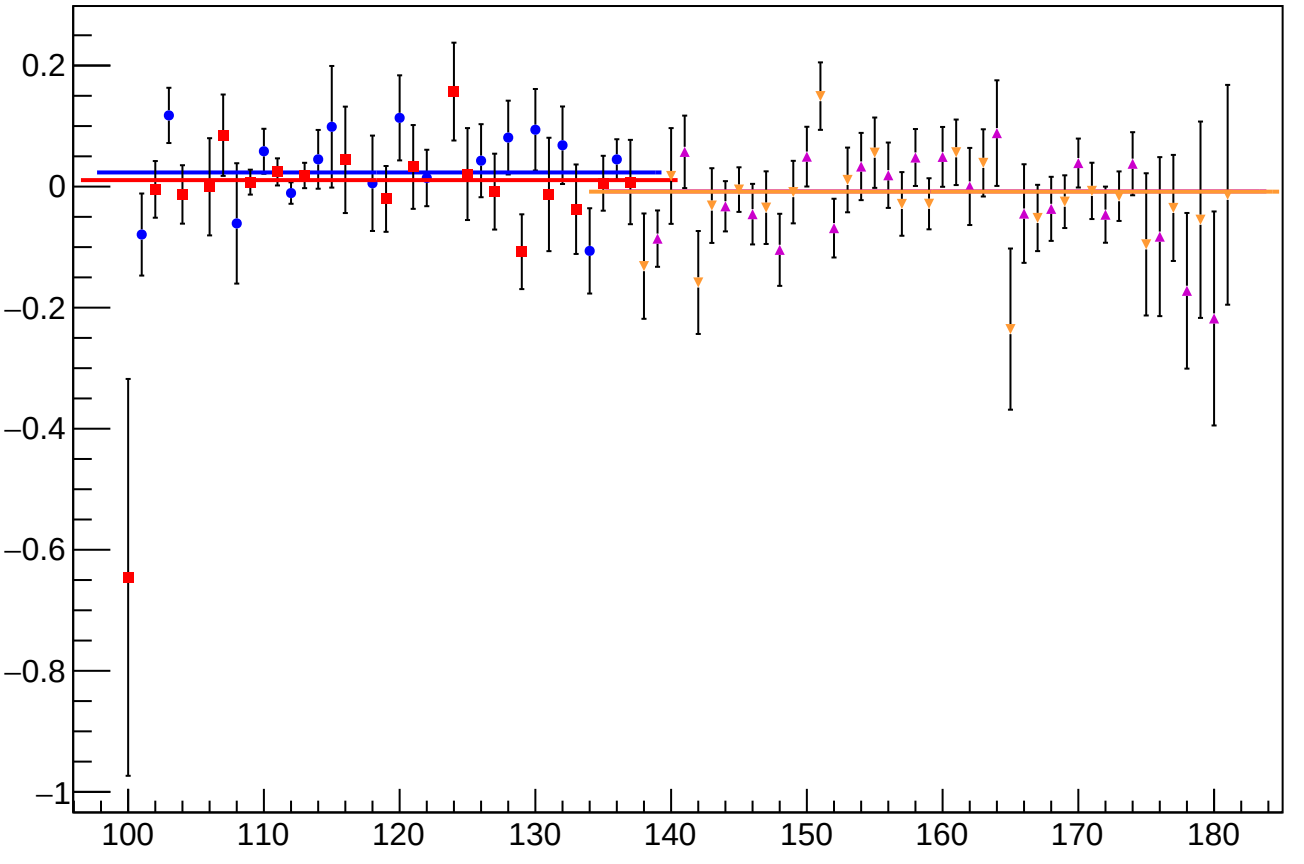
Right Out: 0.000+/-0.000 χ^2/NDF: 903728.0/18

Left In: 0.000+/-0.000 χ^2/NDF:903897.6/20

+ sign 0.000+/-0.000 χ^2/NDF: 4605828.4/38

All: 0.000+/-0.000 χ^2/NDF: 8234746.4/78

- sign 0.000+/-0.000 χ^2/NDF: 3617896.4/39



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.008+/-0.012 χ^2/NDF:21.9/22

Right Out: 0.011+/-0.010 χ^2/NDF: 14.2/18

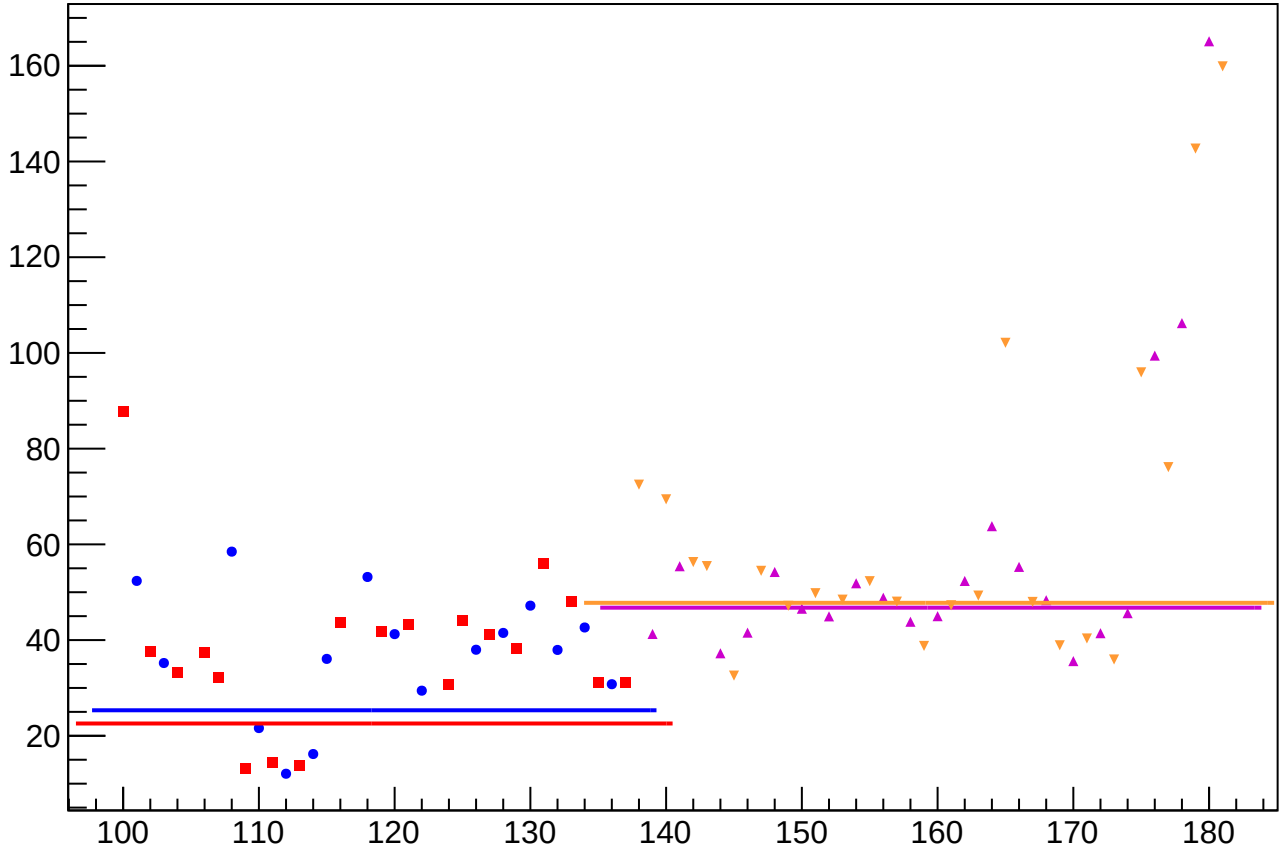
Left In: -0.008+/-0.012 χ^2/NDF:21.9/20

+ sign 0.009+/-0.008 χ^2/NDF: 46.4/38

All: 0.006+/-0.006 χ^2/NDF: 84.2/78

- sign 0.003+/-0.008 χ^2/NDF: 37.6/39

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: 47.786+/-0.009 χ^2/NDF:3462498.5/22

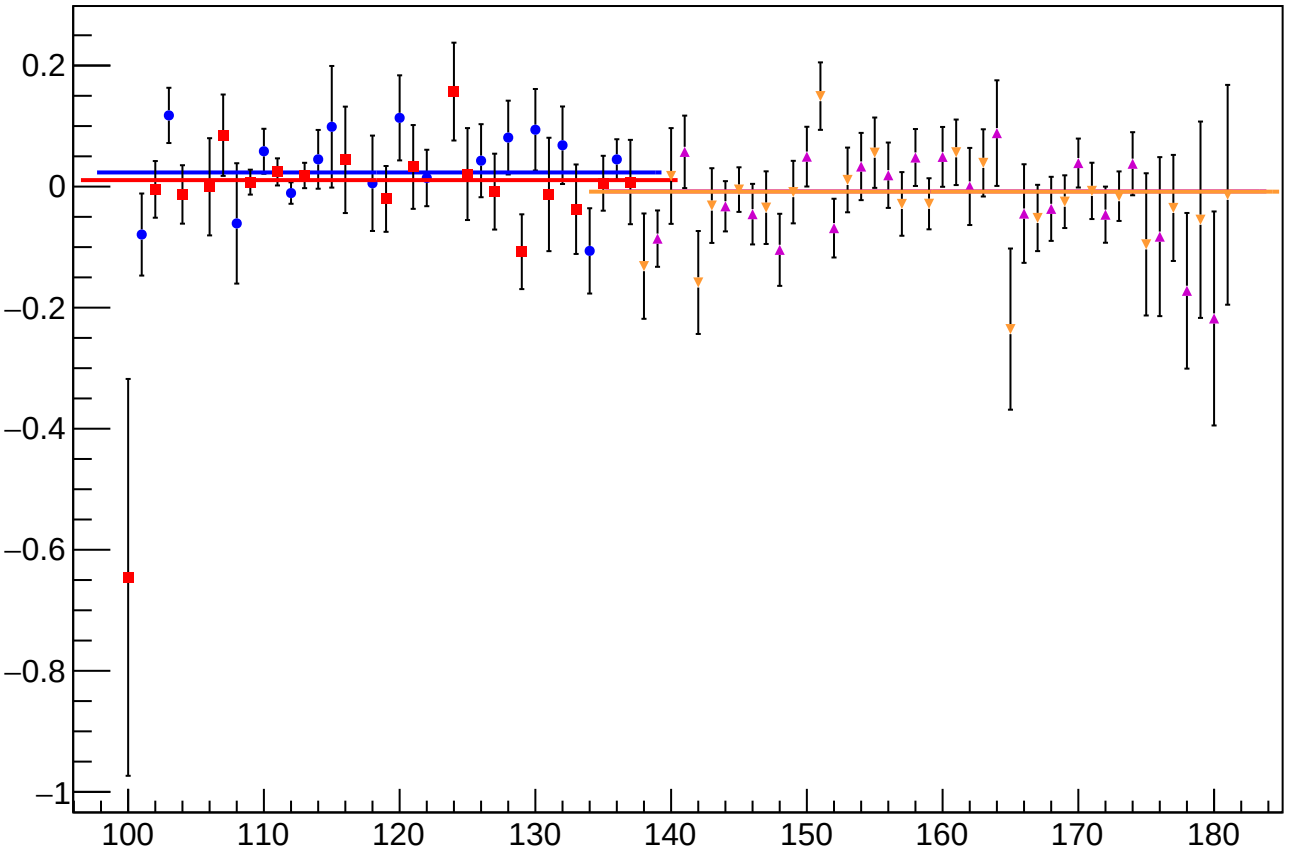
Right Out: 22.571+/-0.007 χ^2/NDF: 3139937.1/18

Left In: 46.771+/-0.009 χ^2/NDF:2201629.2/20

+ sign 35.609+/-0.006 χ^2/NDF: 10153643.6/38

All: 33.774+/-0.004 χ^2/NDF: 20521907.5/78

- sign 32.173+/-0.005 χ^2/NDF: 10178518.0/39



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.008+/-0.012 χ^2/NDF:21.9/22

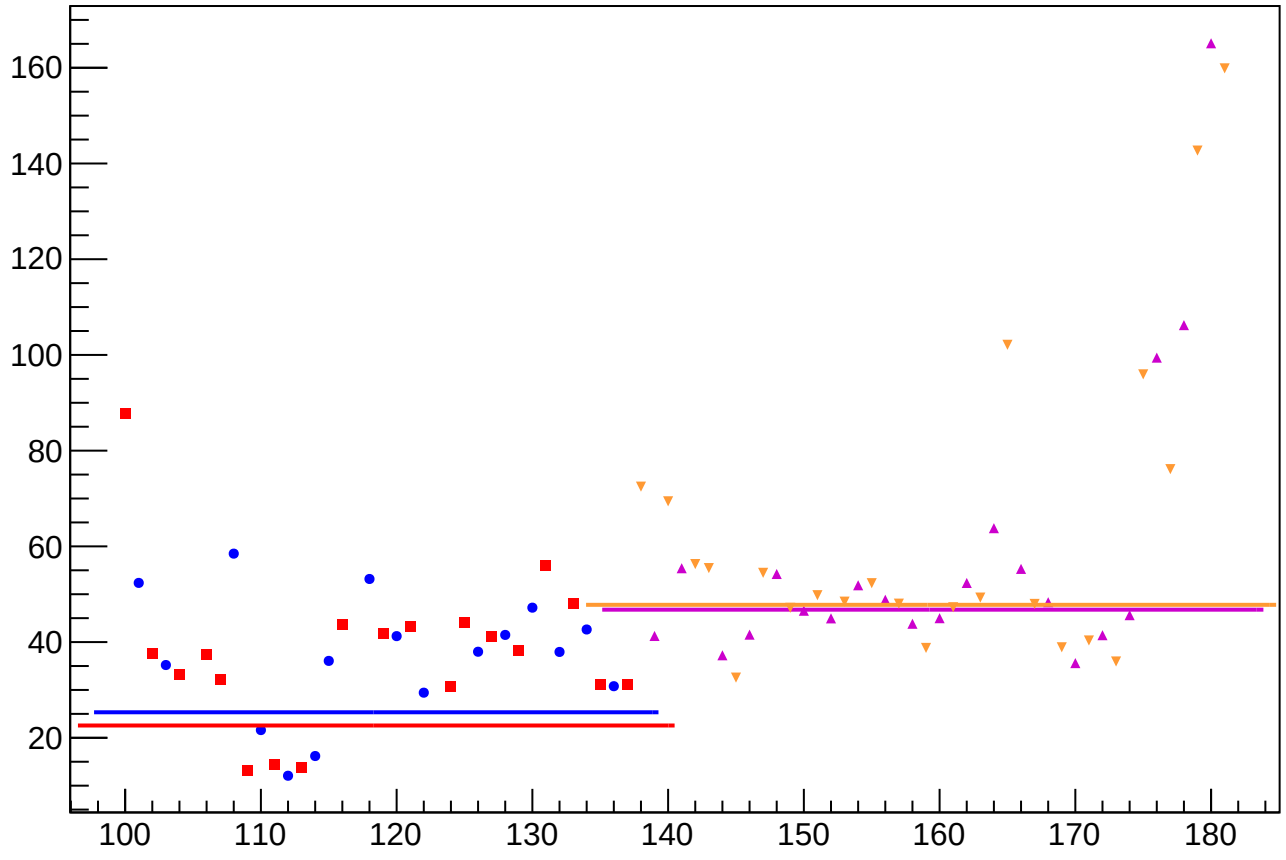
Right Out: 0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: -0.008+/-0.012 χ^2/NDF:21.9/20

+ sign 0.009+/-0.008 χ^2/NDF: 46.4/38

All: 0.006+/-0.006 χ^2/NDF: 84.2/78

- sign 0.003+/-0.008 χ^2/NDF: 37.6/39



Right In: 25.334+/-0.008 χ^2/NDF: 2925132.2/15

Left Out: 47.786+/-0.009 χ^2/NDF:3462498.5/22

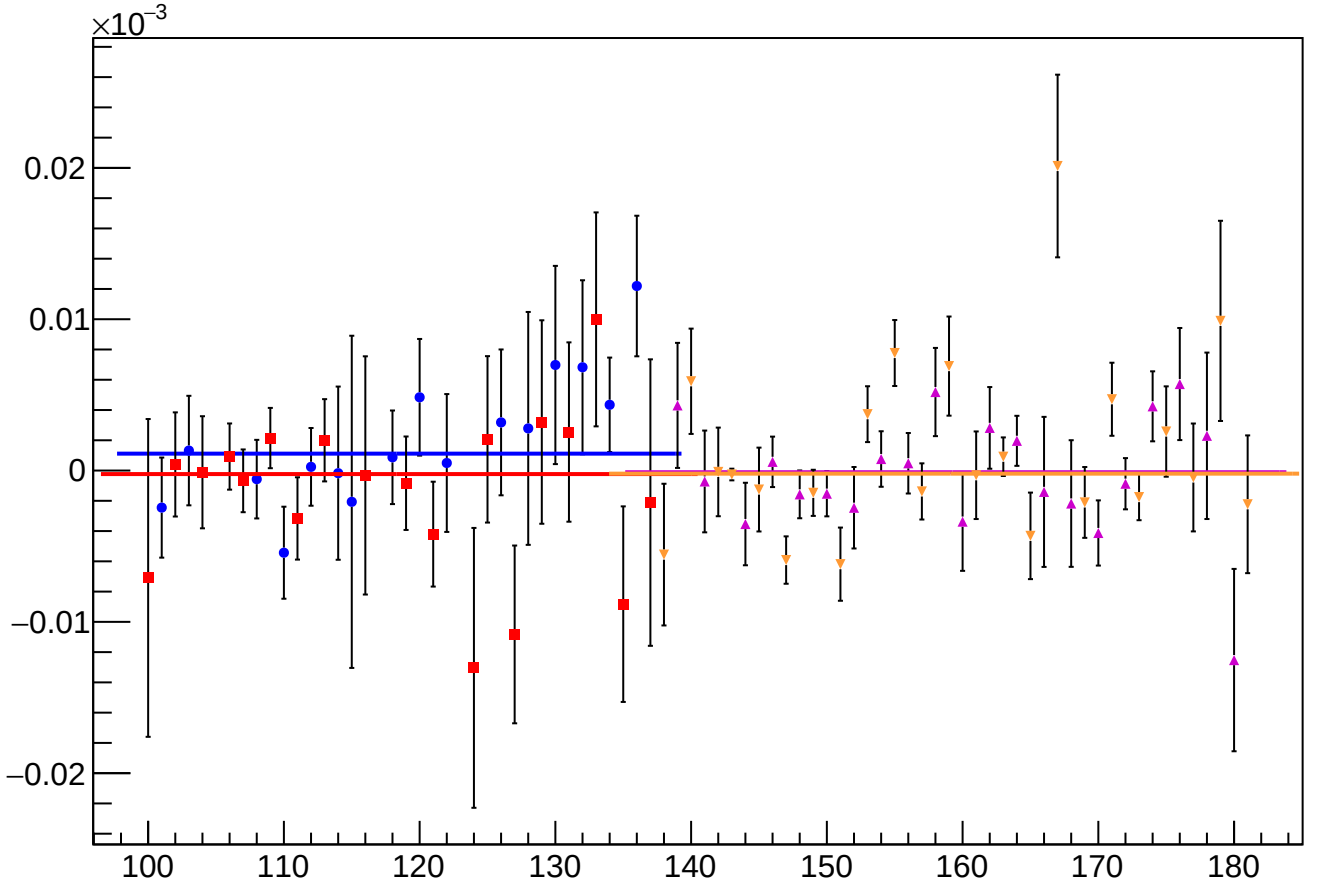
Right Out: 22.571+/-0.007 χ^2/NDF: 3139937.1/18

Left In: 46.771+/-0.009 χ^2/NDF:2201629.2/20

+ sign 35.609+/-0.006 χ^2/NDF: 10153643.6/38

All: 33.774+/-0.004 χ^2/NDF: 20521907.5/78

- sign 32.173+/-0.005 χ^2/NDF: 10178518.0/39



Right In: 0.000+/-0.000 χ^2/NDF: 16.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:71.1/22

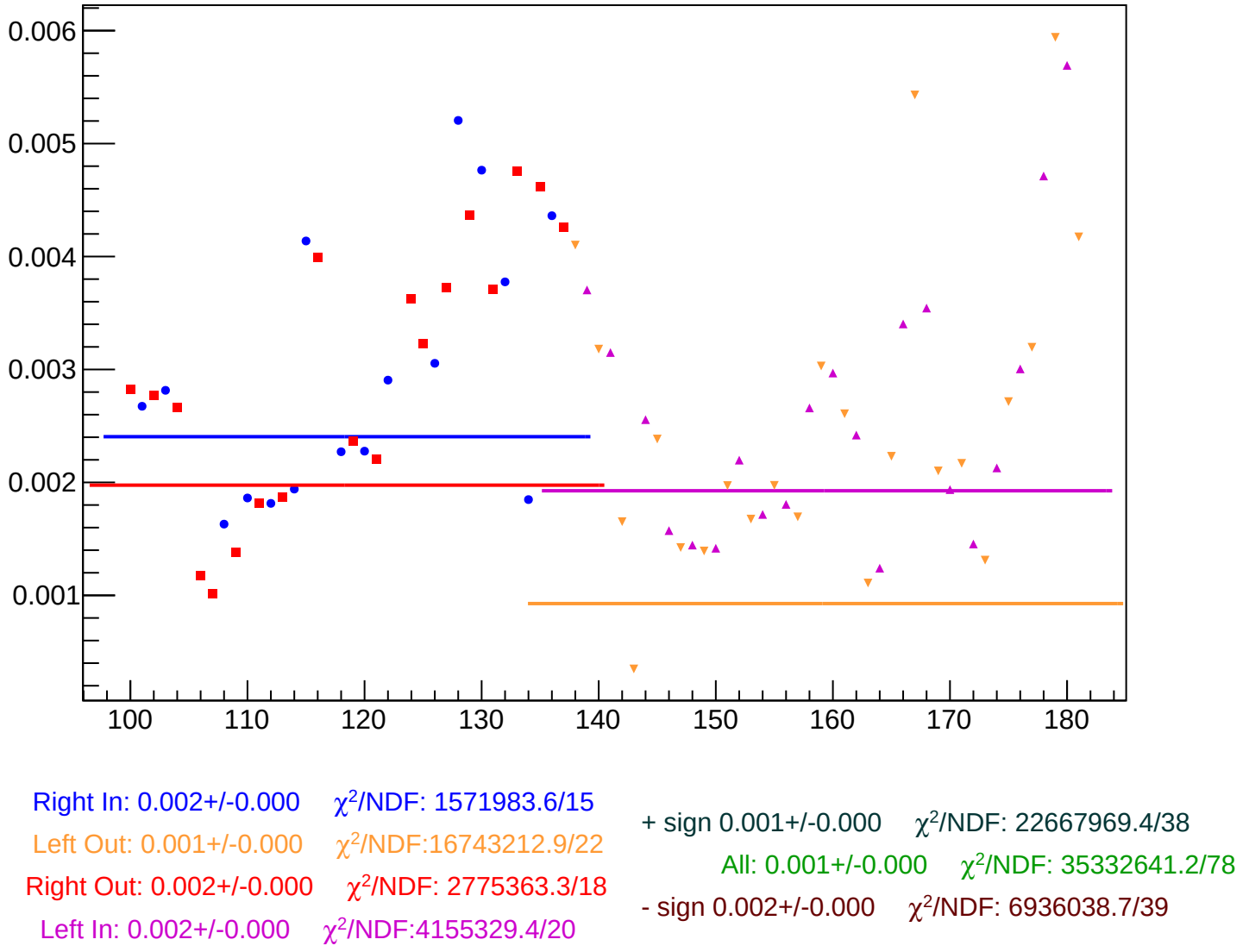
Right Out: -0.000+/-0.000 χ^2/NDF: 15.1/18

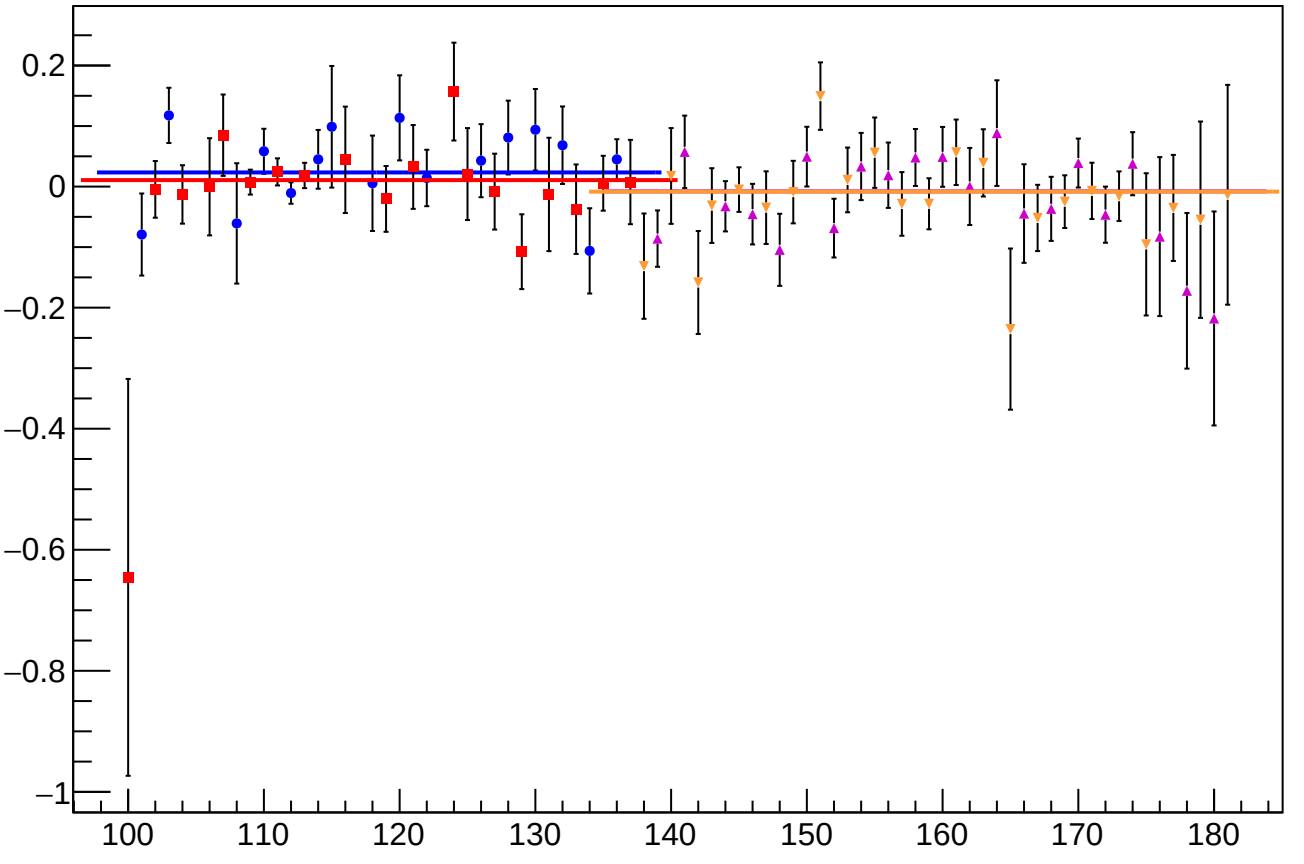
Left In: -0.000+/-0.000 χ^2/NDF:27.3/20

+ sign -0.000+/-0.000 χ^2/NDF: 89.1/38

All: -0.000+/-0.000 χ^2/NDF: 131.5/78

- sign -0.000+/-0.000 χ^2/NDF: 42.4/39


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:16743212.9/22
Right Out: 0.002+/-0.000 χ²/NDF: 2775363.3/18
Left In: 0.002+/-0.000 χ²/NDF:4155329.4/20
+ sign 0.001+/-0.000 χ²/NDF: 22667969.4/38
All: 0.001+/-0.000 χ²/NDF: 35332641.2/78
- sign 0.002+/-0.000 χ²/NDF: 6936038.7/39



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.008+/-0.012 χ^2/NDF:21.9/22

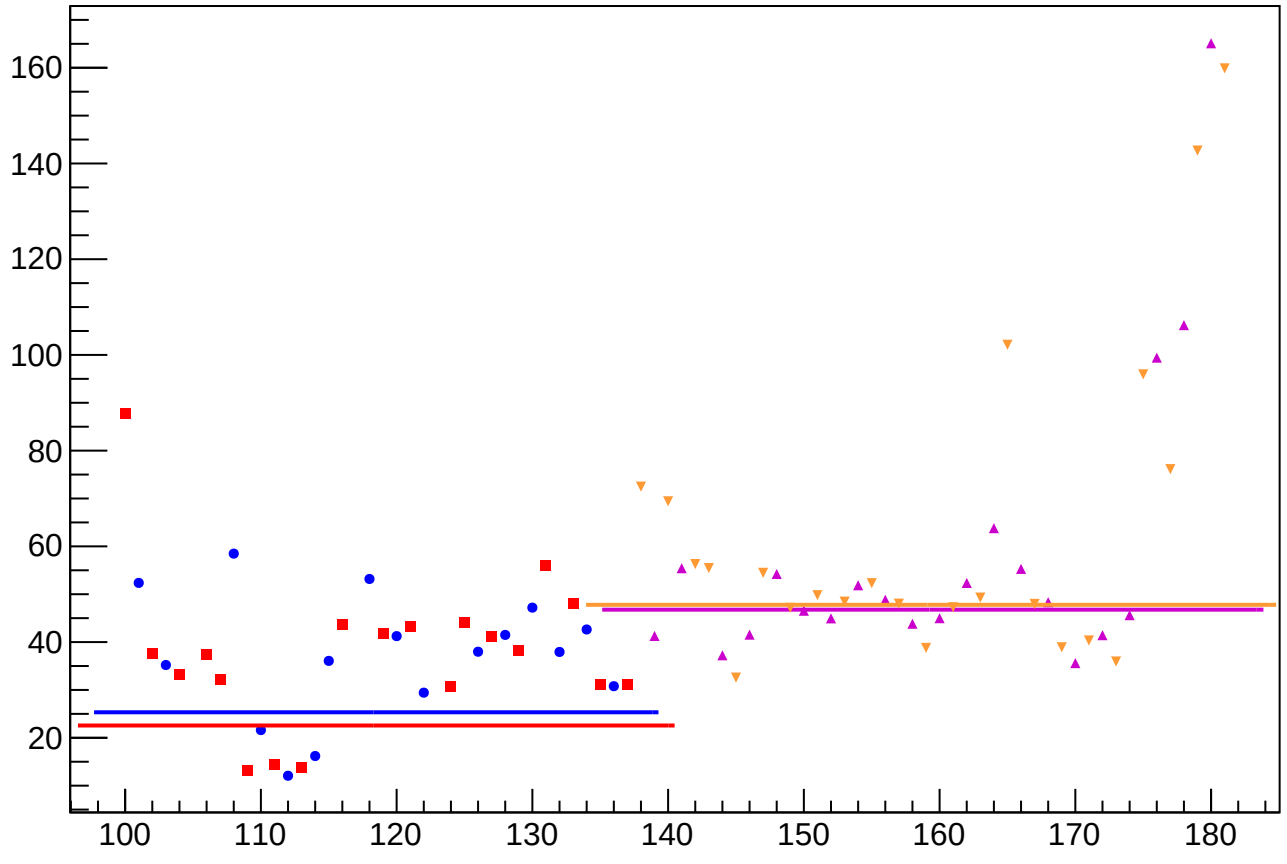
Right Out: 0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: -0.008+/-0.012 χ^2/NDF:21.9/20

+ sign 0.009+/-0.008 χ^2/NDF: 46.4/38

All: 0.006+/-0.006 χ^2/NDF: 84.2/78

- sign 0.003+/-0.008 χ^2/NDF: 37.6/39



Right In: 25.332+/-0.008 χ^2/NDF: 2925549.0/15

Left Out: 47.787+/-0.009 χ^2/NDF:3462463.3/22

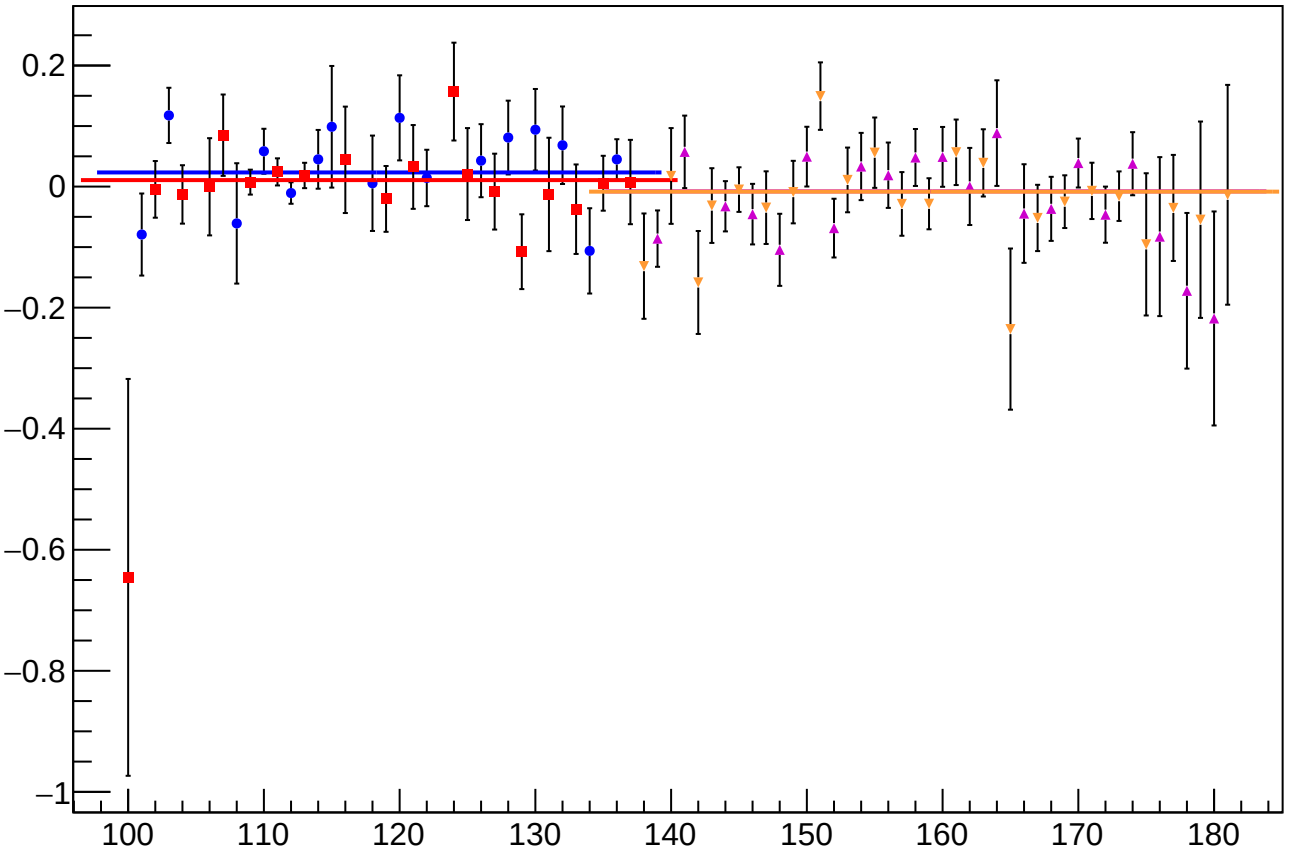
Right Out: 22.571+/-0.007 χ^2/NDF: 3140082.3/18

Left In: 46.772+/-0.009 χ^2/NDF:2201582.8/20

+ sign 35.608+/-0.006 χ^2/NDF: 10154641.6/38

All: 33.773+/-0.004 χ^2/NDF: 20523155.7/78

- sign 32.173+/-0.005 χ^2/NDF: 10178848.4/39



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.008+/-0.012 χ^2/NDF:21.9/22

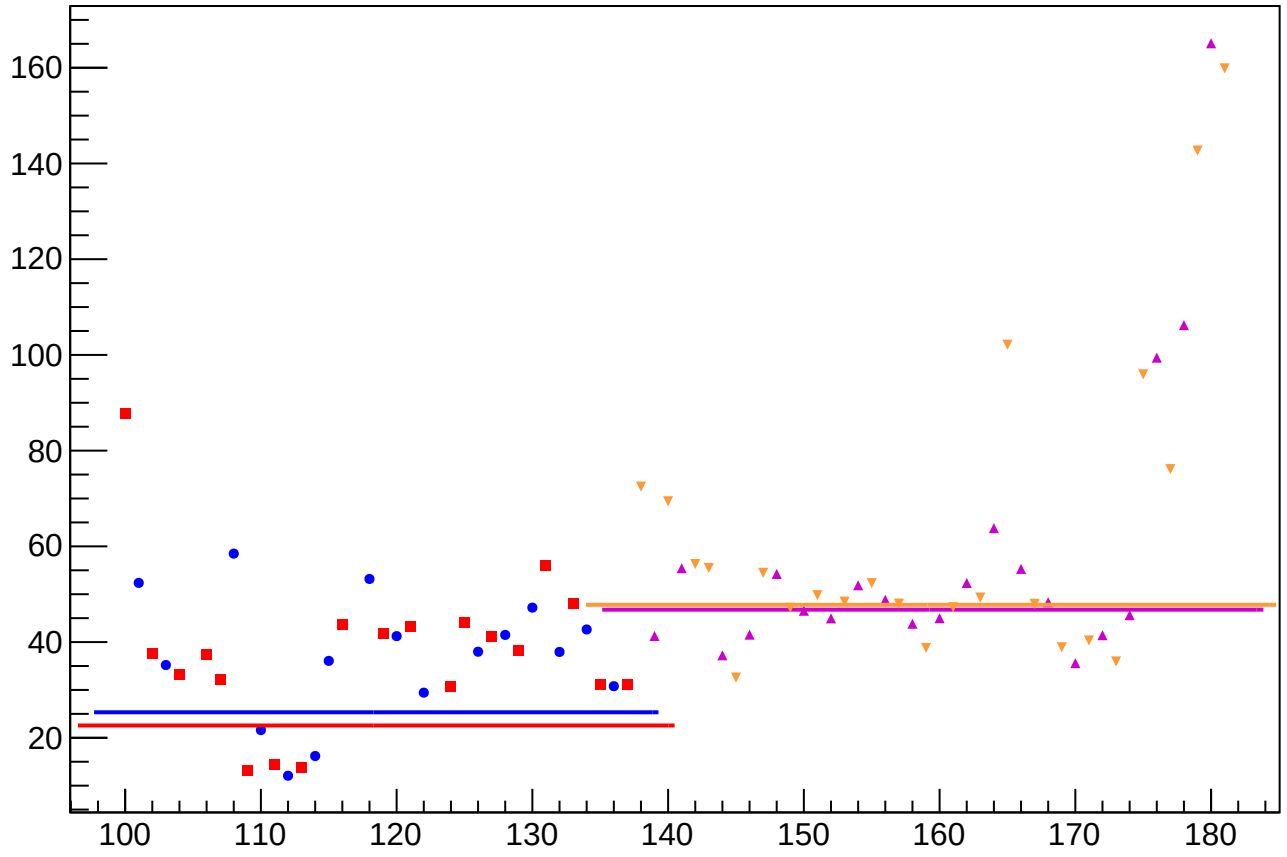
Right Out: 0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: -0.008+/-0.012 χ^2/NDF:21.9/20

+ sign 0.009+/-0.008 χ^2/NDF: 46.4/38

All: 0.006+/-0.006 χ^2/NDF: 84.2/78

- sign 0.003+/-0.008 χ^2/NDF: 37.6/39



Right In: 25.332+/-0.008 χ^2/NDF: 2925549.0/15

Left Out: 47.787+/-0.009 χ^2/NDF:3462463.3/22

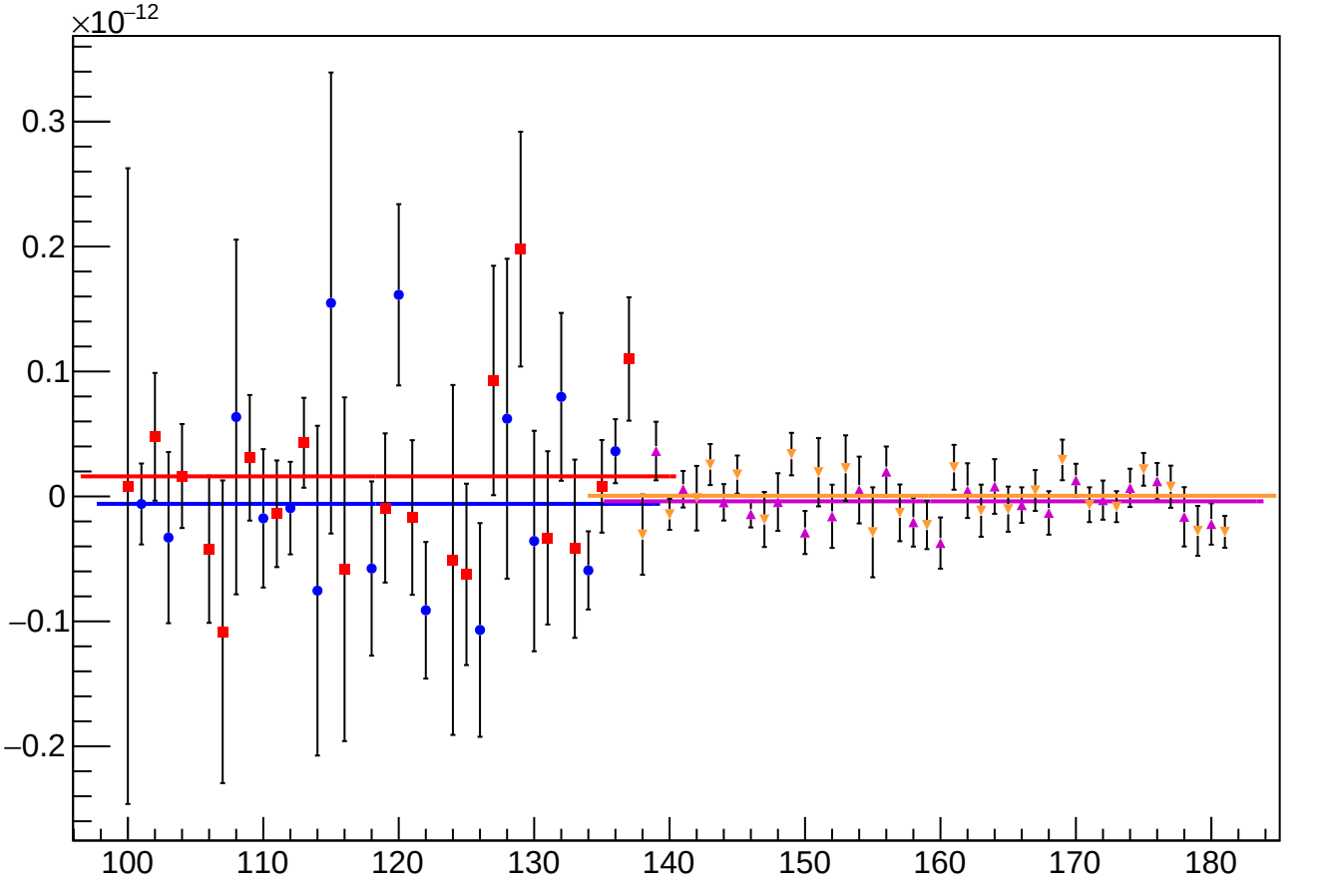
Right Out: 22.571+/-0.007 χ^2/NDF: 3140082.3/18

Left In: 46.772+/-0.009 χ^2/NDF:2201582.8/20

+ sign 35.608+/-0.006 χ^2/NDF: 10154641.6/38

All: 33.773+/-0.004 χ^2/NDF: 20523155.7/78

- sign 32.173+/-0.005 χ^2/NDF: 10178848.4/39



Right In: -0.000+/-0.000 χ^2/NDF: 18.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:30.3/22

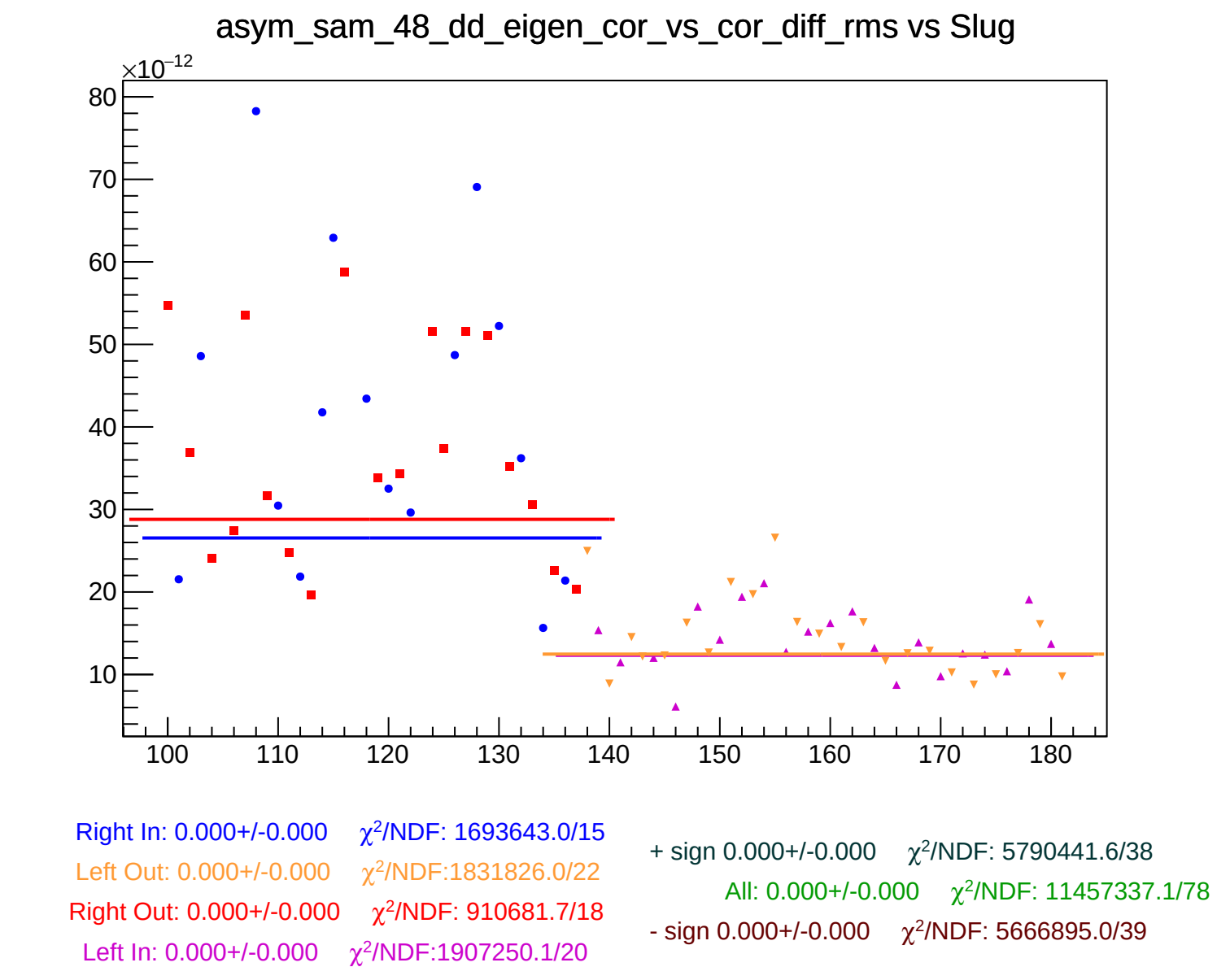
Right Out: 0.000+/-0.000 χ^2/NDF: 15.0/18

Left In: -0.000+/-0.000 χ^2/NDF:17.1/20

+ sign 0.000+/-0.000 χ^2/NDF: 49.4/38

All: -0.000+/-0.000 χ^2/NDF: 83.8/78

- sign -0.000+/-0.000 χ^2/NDF: 34.2/39


asym_sam_48_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
80
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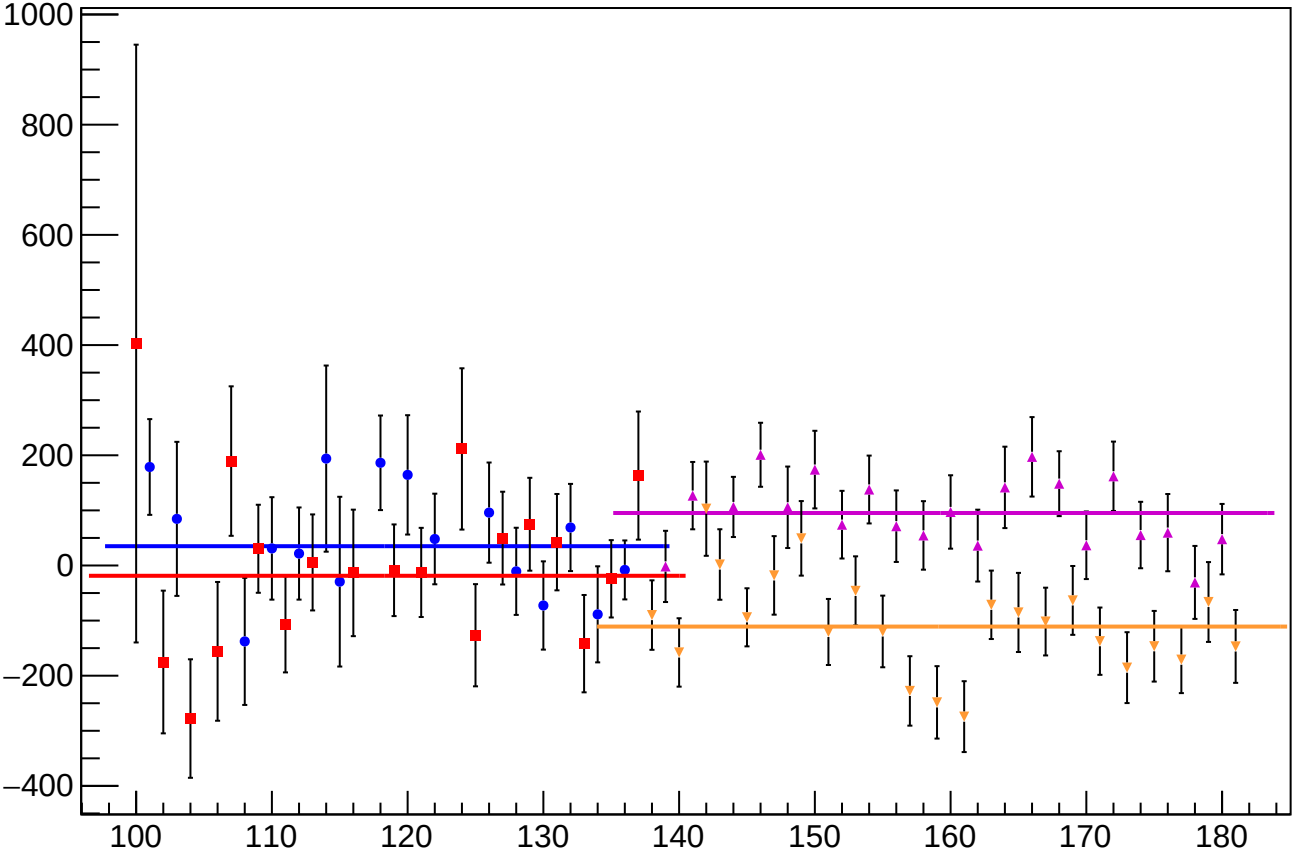
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1693643.0/15
Left Out: 0.000+/-0.000 χ²/NDF:1831826.0/22
Right Out: 0.000+/-0.000 χ²/NDF: 910681.7/18
Left In: 0.000+/-0.000 χ²/NDF:1907250.1/20
+ sign 0.000+/-0.000 χ²/NDF: 5790441.6/38
All: 0.000+/-0.000 χ²/NDF: 11457337.1/78
- sign 0.000+/-0.000 χ²/NDF: 5666895.0/39

reg_asym_sam_13_57_dd_mean vs Slug



Right In: 35.018+/-22.134 χ^2/NDF: 16.2/15

Left Out: -110.864+/-13.387 χ^2/NDF:37.5/22

Right Out: -18.690+/-22.137 χ^2/NDF: 23.5/18

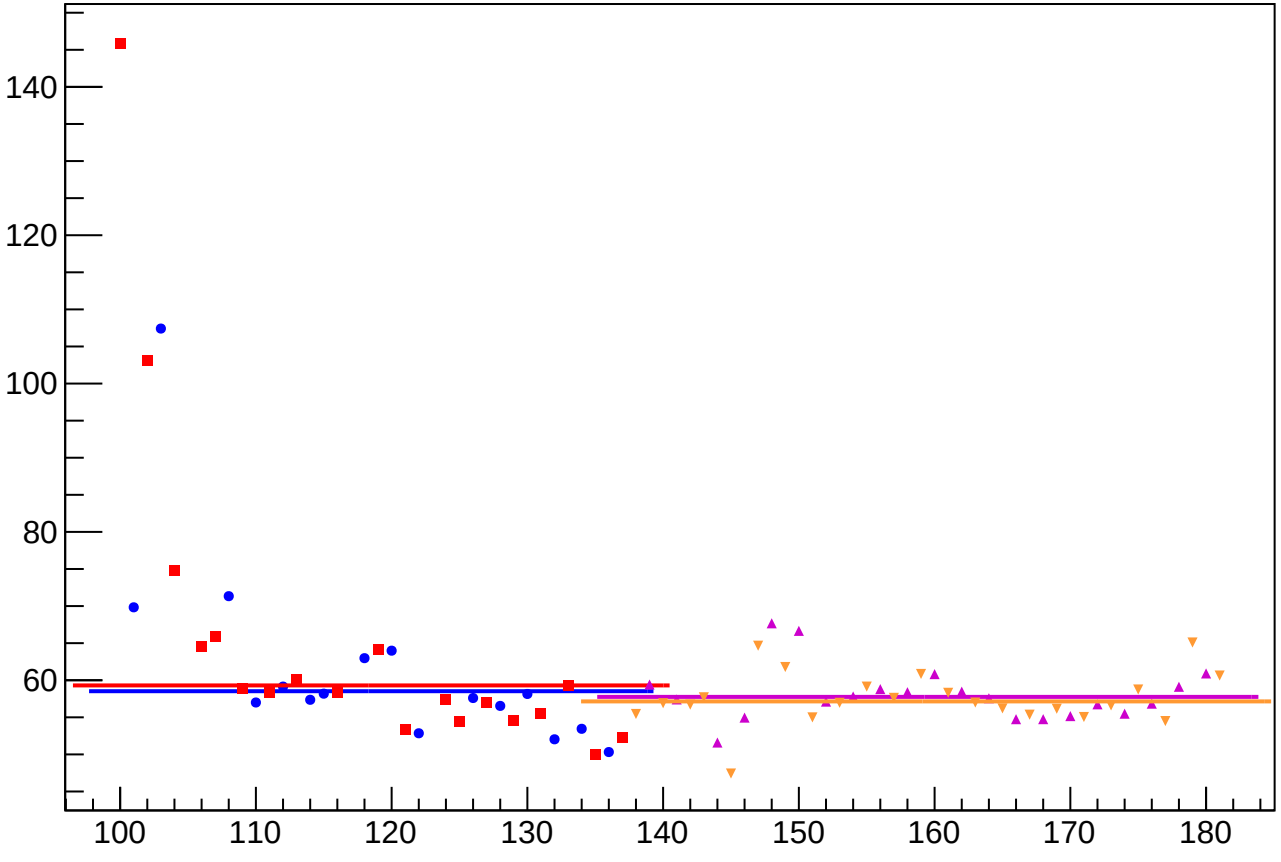
Left In: 95.267+/-13.945 χ^2/NDF:19.2/20

\+ sign -71.791+/-11.455 χ^2/NDF: 85.5/38

All: -6.440+/-8.219 χ^2/NDF: 214.2/78

\- sign 62.893+/-11.799 χ^2/NDF: 61.7/39

reg_asym_sam_13_57_dd_rms vs Slug



Right In: 58.522+/-0.016 χ^2/NDF: 392742.4/15

Left Out: 57.147+/-0.009 χ^2/NDF:152676.1/22

Right Out: 59.301+/-0.016 χ^2/NDF: 406611.5/18

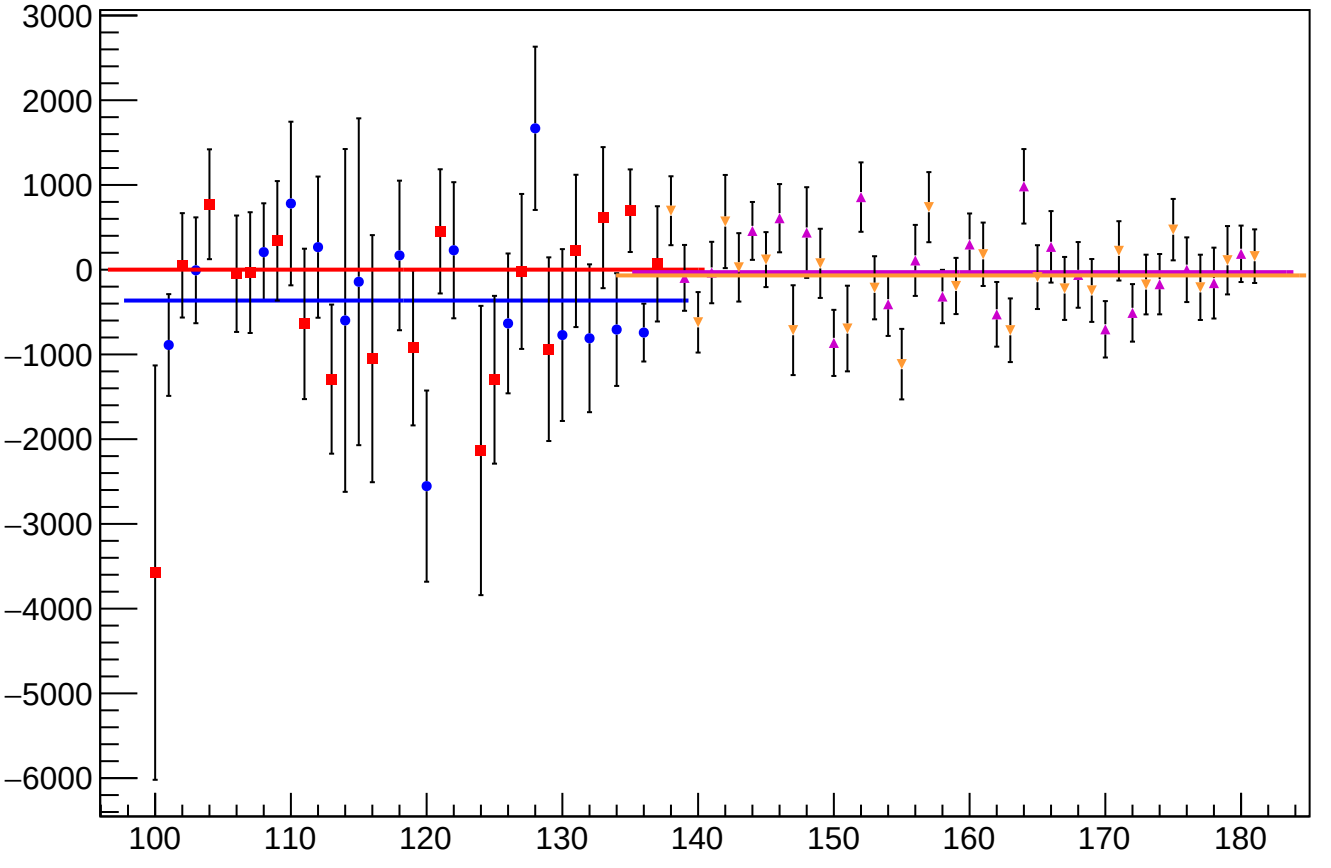
Left In: 57.756+/-0.010 χ^2/NDF:126494.5/20

\+ sign 57.515+/-0.008 χ^2/NDF: 551070.3/38

All: 57.845+/-0.006 χ^2/NDF: 1094573.6/78

\- sign 58.195+/-0.008 χ^2/NDF: 540078.9/39

asym_sam_13_57_dd_reg_correction_mean vs Slug



Right In: -364.076+/-180.601 χ^2/NDF: 15.2/15

Left Out: -67.582+/-79.876 χ^2/NDF:28.9/22

Right Out: 0.570+/-183.085 χ^2/NDF: 15.1/18

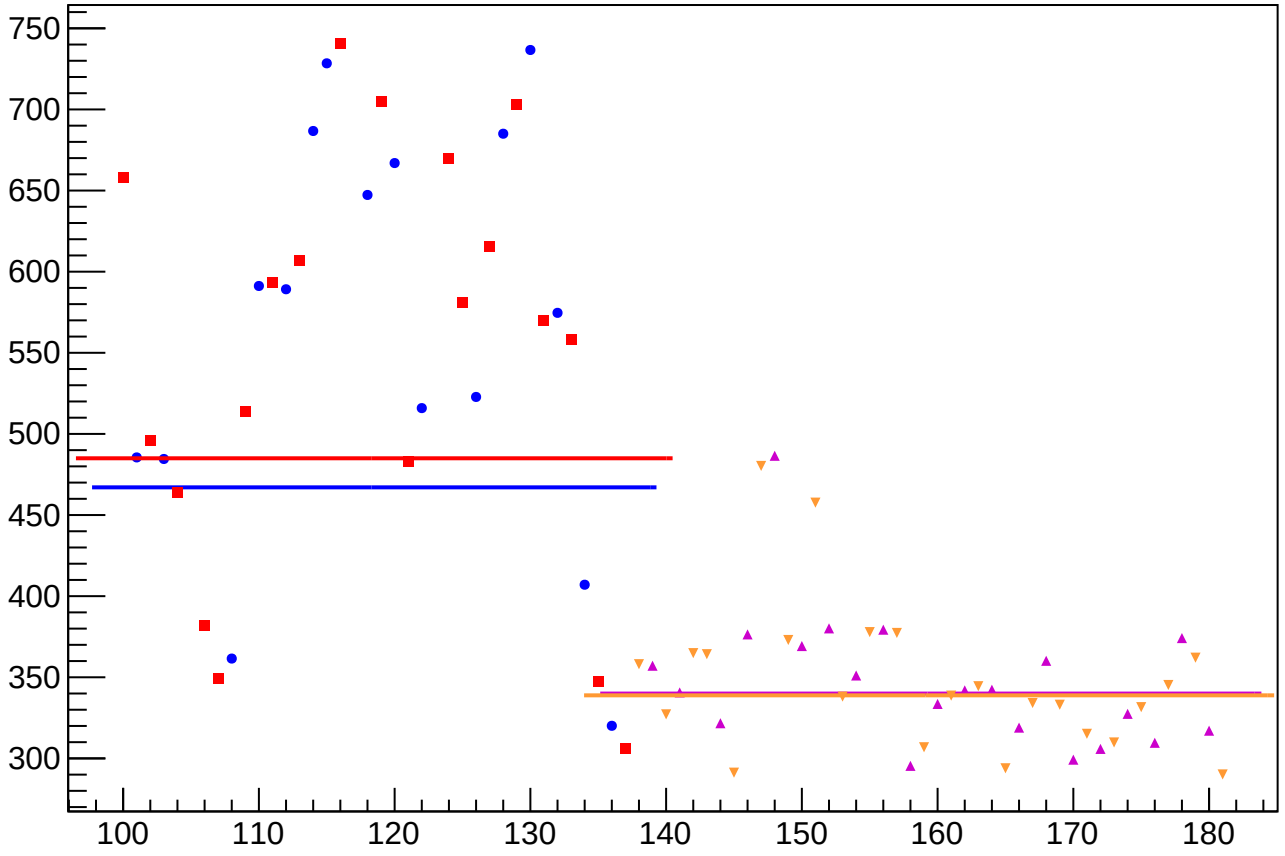
Left In: -28.999+/-82.512 χ^2/NDF:31.6/20

\+ sign -116.090+/-73.050 χ^2/NDF: 46.4/38

All: -71.400+/-52.406 χ^2/NDF: 93.9/78

\- sign -24.008+/-75.225 χ^2/NDF: 46.8/39

asym_sam_13_57_dd_reg_correction_rms vs Slug



Right In: 467.068+/-0.128 χ^2/NDF: 1030279.0/15

Left Out: 338.869+/-0.056 χ^2/NDF:490288.4/22

Right Out: 484.982+/-0.129 χ^2/NDF: 874102.2/18

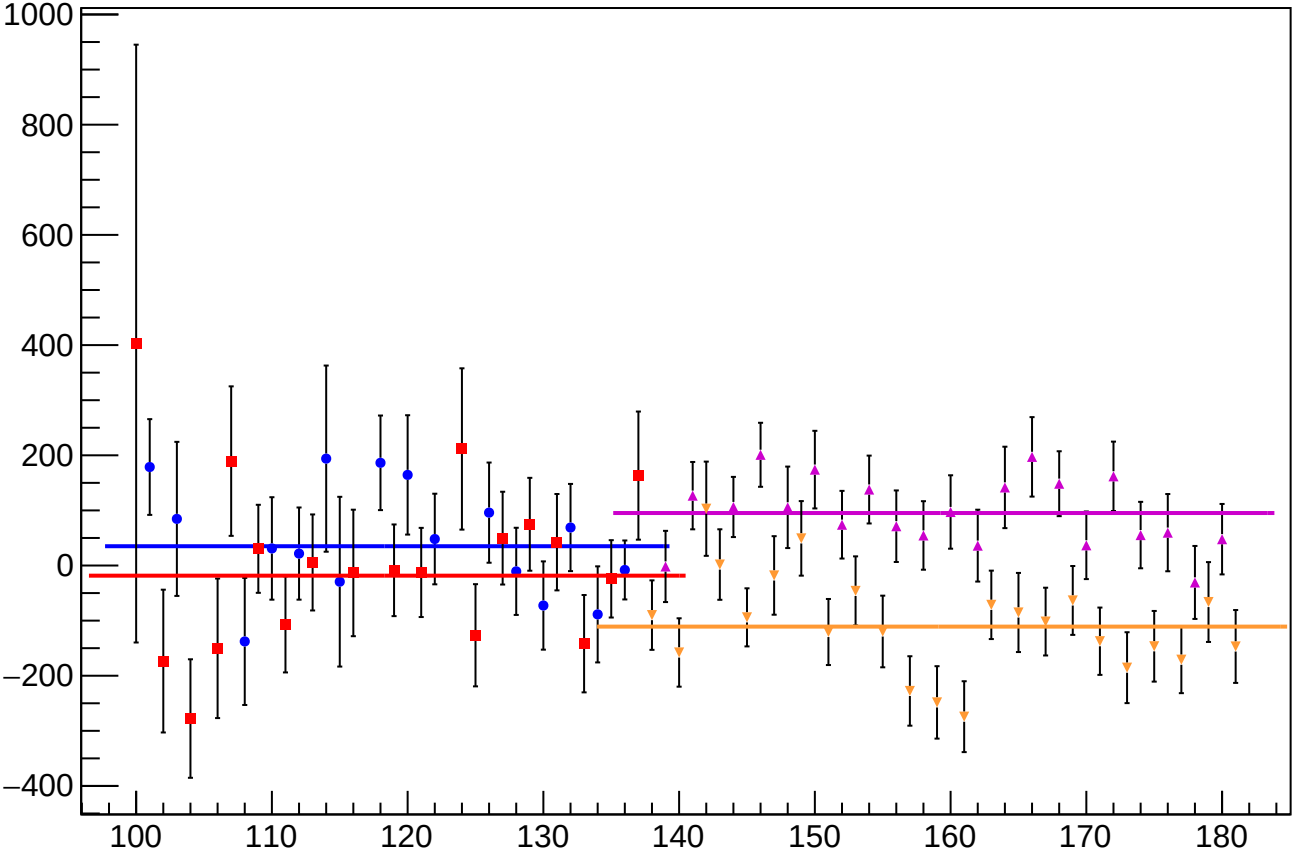
Left In: 339.959+/-0.058 χ^2/NDF:365299.9/20

\+ sign 359.843+/-0.052 χ^2/NDF: 2363459.5/38

All: 362.075+/-0.037 χ^2/NDF: 4649723.1/78

\- sign 364.442+/-0.053 χ^2/NDF: 2282417.2/39

cor_asym_sam_13_57_dd_mean vs Slug



Right In: 35.017+/-22.134 χ^2/NDF: 16.2/15

Left Out: -110.864+/-13.387 χ^2/NDF:37.5/22

Right Out: -18.417+/-22.141 χ^2/NDF: 23.4/18

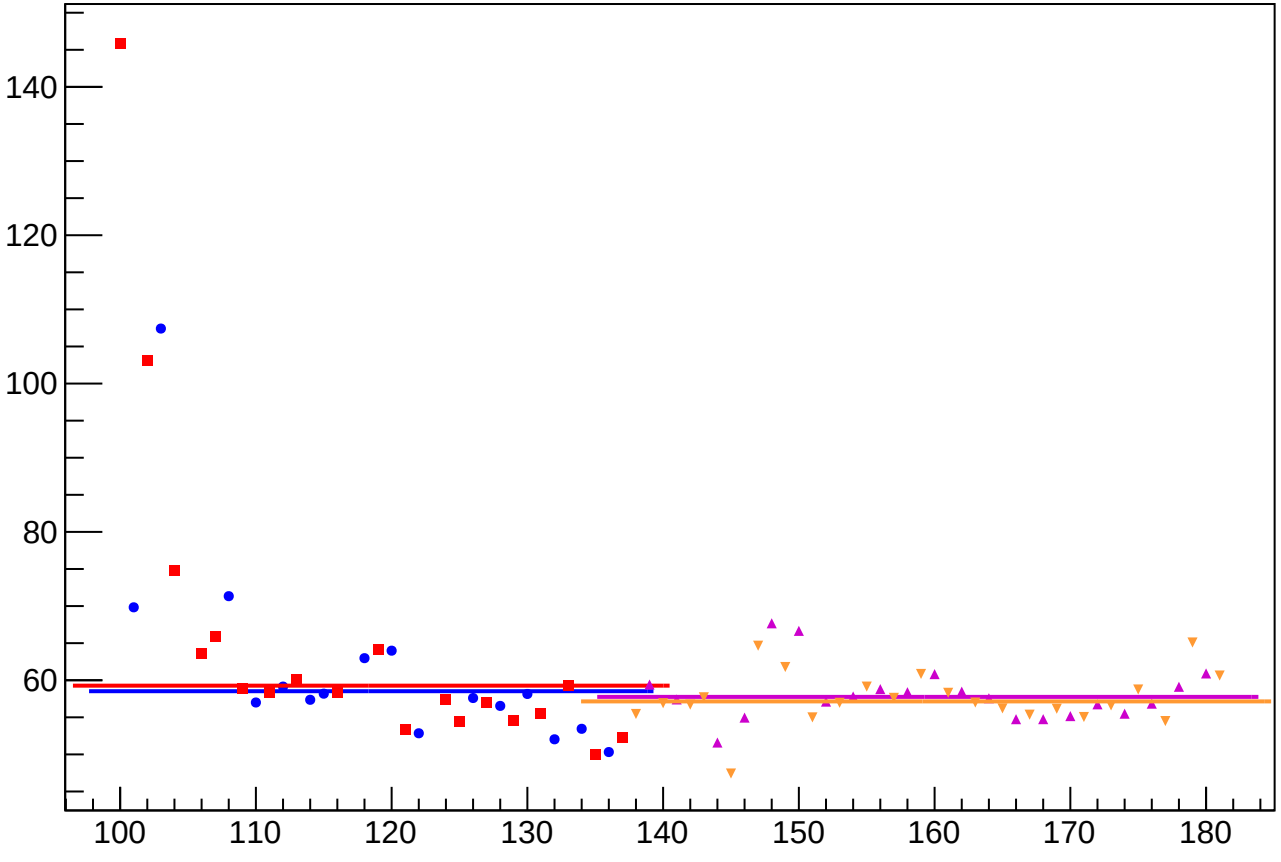
Left In: 95.269+/-13.945 χ^2/NDF:19.2/20

+ sign -71.792+/-11.455 χ^2/NDF: 85.4/38

All: -6.401+/-8.219 χ^2/NDF: 214.1/78

- sign 62.981+/-11.800 χ^2/NDF: 61.5/39

cor_asym_sam_13_57_dd_rms vs Slug



Right In: 58.522+/-0.016 χ^2/NDF: 392744.5/15

Left Out: 57.147+/-0.009 χ^2/NDF:152676.1/22

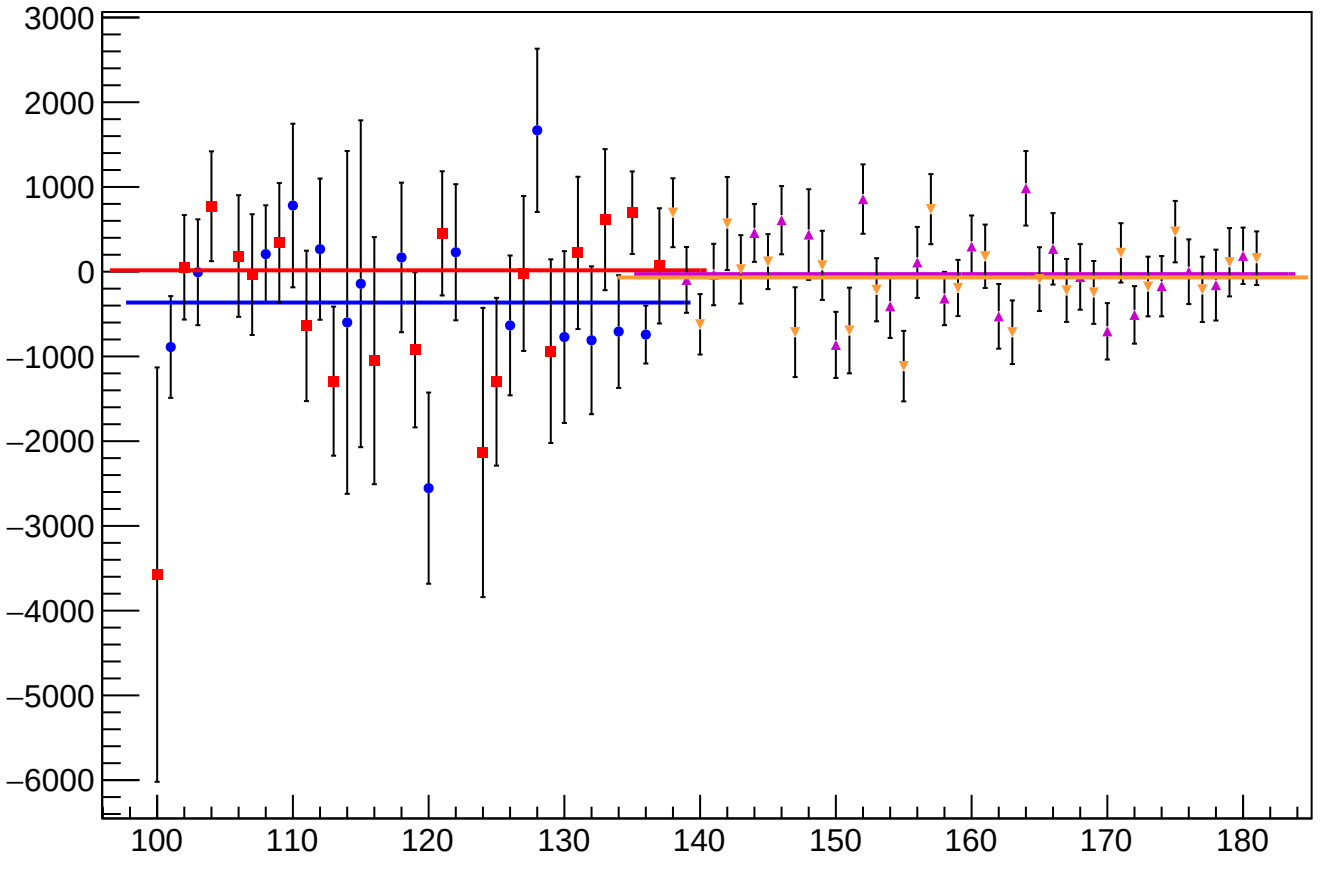
Right Out: 59.269+/-0.016 χ^2/NDF: 405616.3/18

Left In: 57.756+/-0.010 χ^2/NDF:126494.5/20

\+ sign 57.515+/-0.008 χ^2/NDF: 551072.4/38

All: 57.841+/-0.006 χ^2/NDF: 1093202.6/78

\- sign 58.186+/-0.008 χ^2/NDF: 538797.6/39



Right In: -364.040+/-180.602 χ^2/NDF: 15.2/15

Left Out: -67.584+/-79.876 χ^2/NDF:28.9/22

Right Out: 16.087+/-183.650 χ^2/NDF: 15.1/18

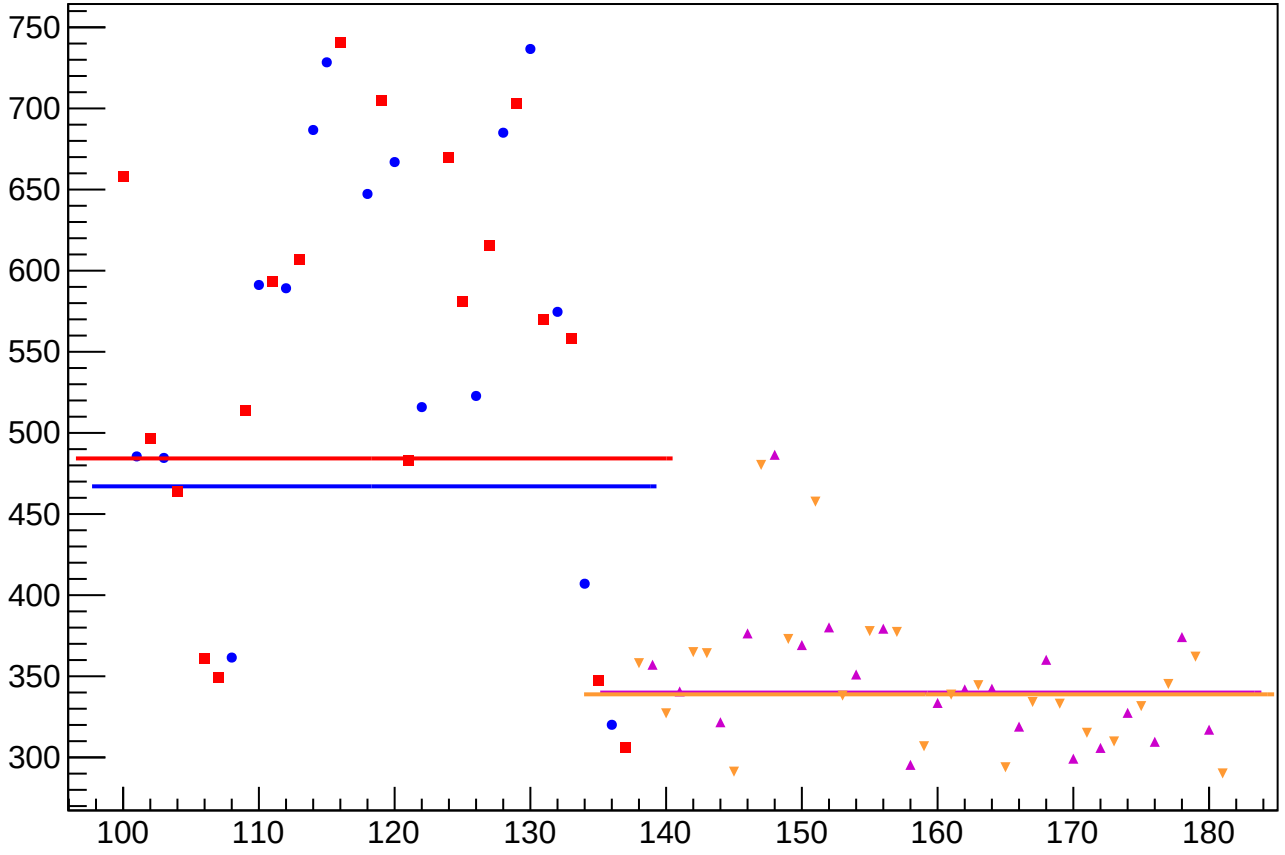
Left In: -28.998+/-82.512 χ^2/NDF:31.6/20

\+ sign -116.086+/-73.050 χ^2/NDF: 46.4/38

All: -70.169+/-52.420 χ^2/NDF: 94.0/78

\- sign -21.426+/-75.264 χ^2/NDF: 46.8/39

asym_sam_13_57_dd_cor_correction_rms vs Slug



Right In: 467.071+/-0.128 χ^2/NDF: 1030281.3/15

Left Out: 338.869+/-0.056 χ^2/NDF:490289.3/22

Right Out: 484.274+/-0.130 χ^2/NDF: 888797.2/18

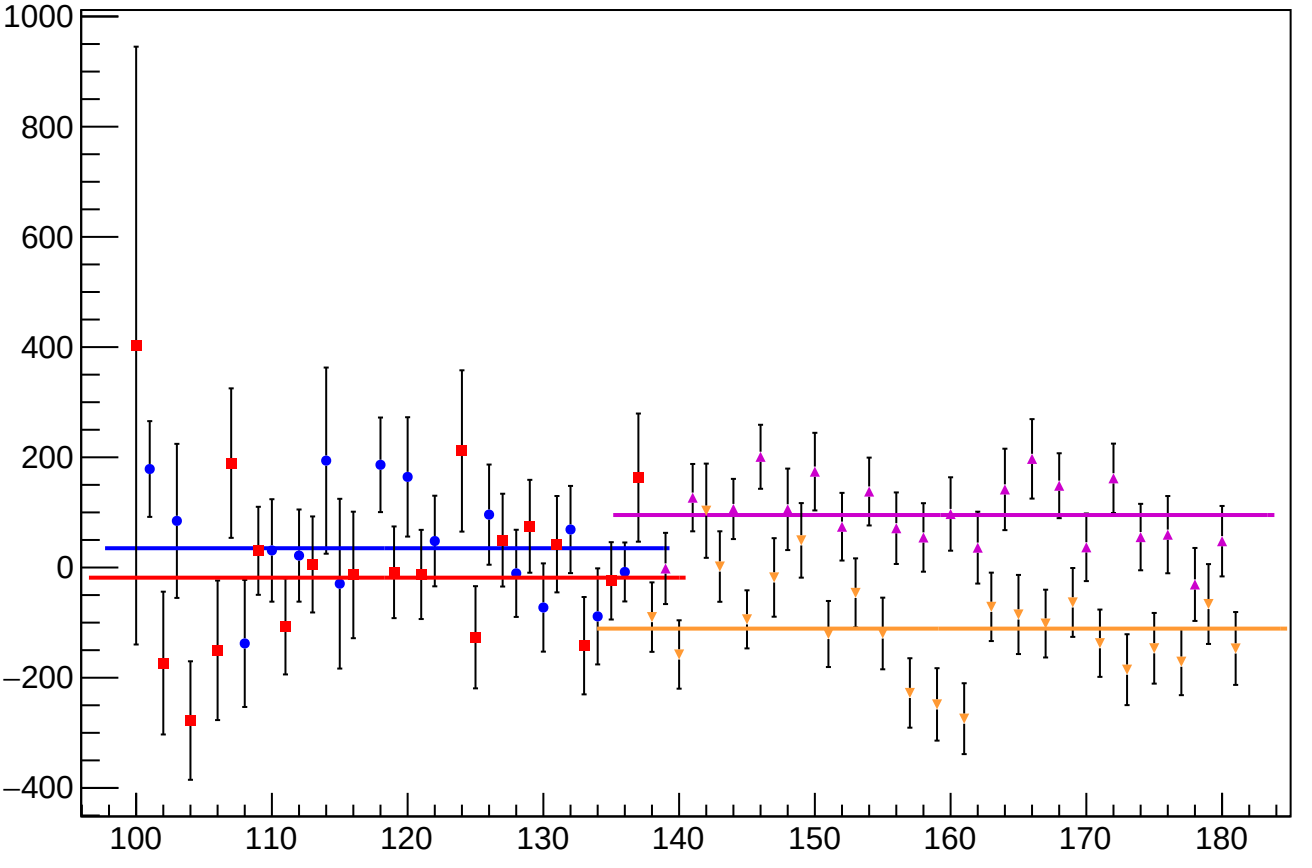
Left In: 339.959+/-0.058 χ^2/NDF:365304.3/20

+ sign 359.843+/-0.052 χ^2/NDF: 2363488.1/38

All: 361.955+/-0.037 χ^2/NDF: 4648612.1/78

- sign 364.197+/-0.053 χ^2/NDF: 2281677.5/39

eigen_cor_asym_sam_13_57_dd_mean vs Slug



Right In: 35.017+/-22.134 χ^2/NDF: 16.2/15

Left Out: -110.864+/-13.387 χ^2/NDF:37.5/22

Right Out: -18.417+/-22.141 χ^2/NDF: 23.4/18

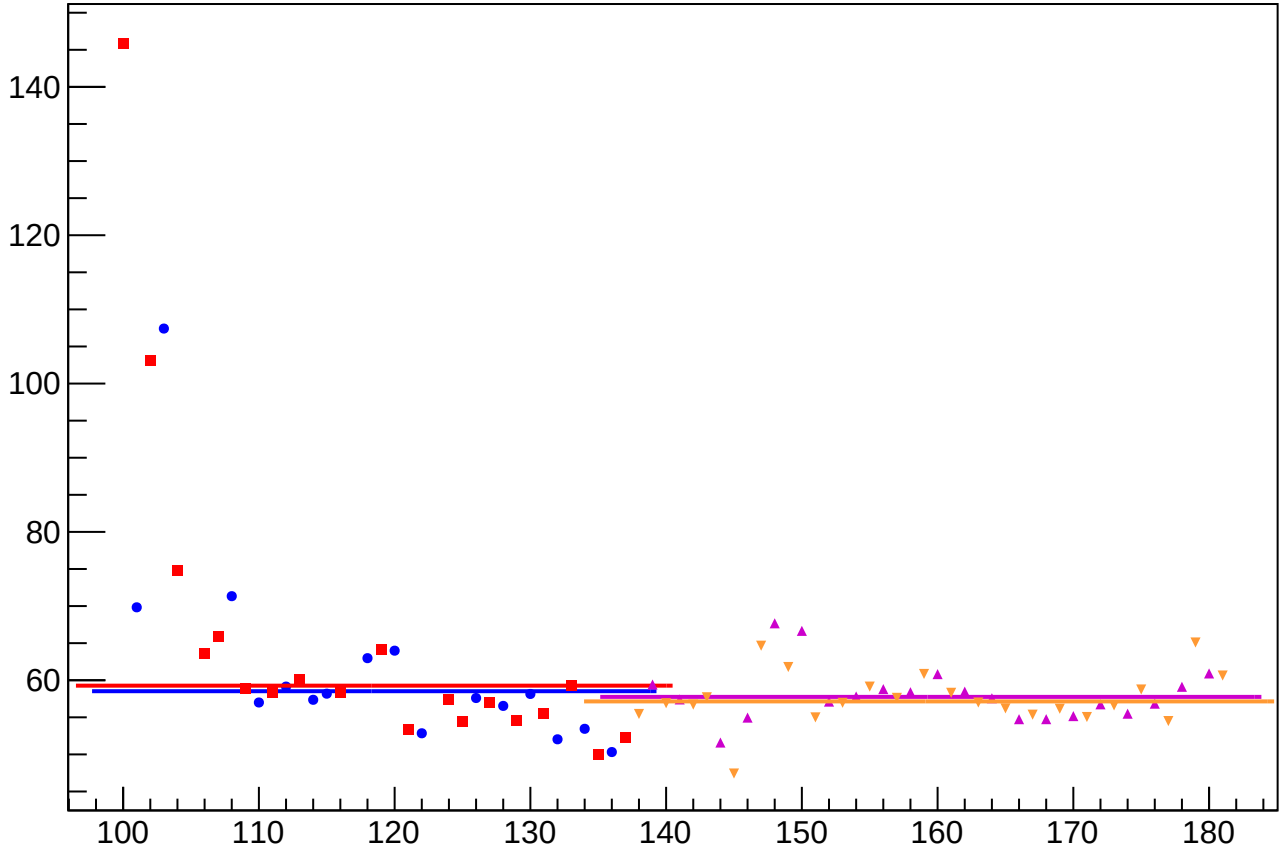
Left In: 95.269+/-13.945 χ^2/NDF:19.2/20

+ sign -71.792+/-11.455 χ^2/NDF: 85.4/38

All: -6.401+/-8.219 χ^2/NDF: 214.1/78

- sign 62.981+/-11.800 χ^2/NDF: 61.5/39

eigen_cor_asym_sam_13_57_dd_rms vs Slug



Right In: 58.522+/-0.016 χ^2/NDF: 392744.5/15

Left Out: 57.147+/-0.009 χ^2/NDF:152676.1/22

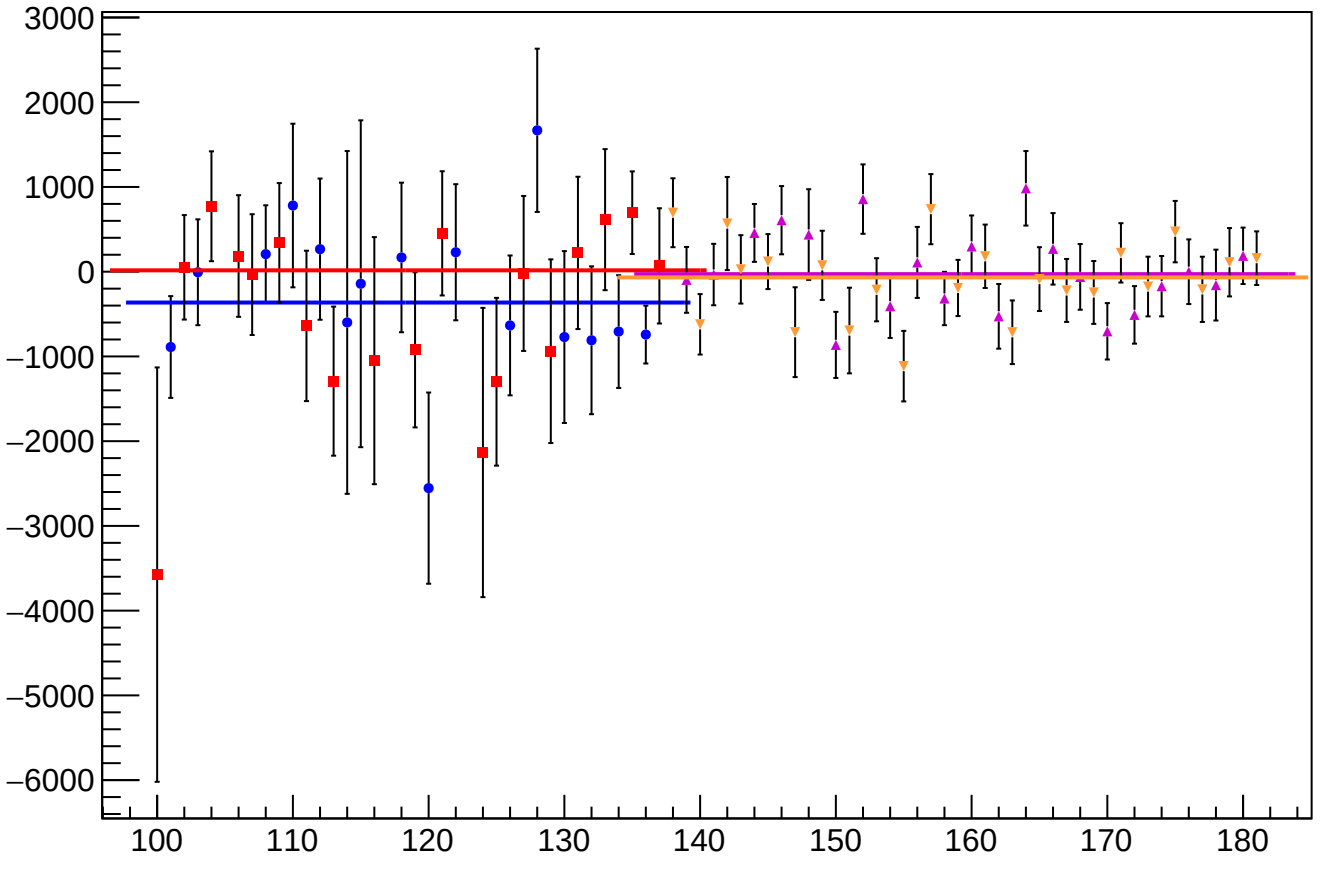
Right Out: 59.269+/-0.016 χ^2/NDF: 405616.3/18

Left In: 57.756+/-0.010 χ^2/NDF:126494.5/20

+ sign 57.515+/-0.008 χ^2/NDF: 551072.4/38

All: 57.841+/-0.006 χ^2/NDF: 1093202.6/78

- sign 58.186+/-0.008 χ^2/NDF: 538797.6/39



Right In: -364.040+/-180.602 χ^2/NDF: 15.2/15

Left Out: -67.584+/-79.876 χ^2/NDF:28.9/22

Right Out: 16.087+/-183.650 χ^2/NDF: 15.1/18

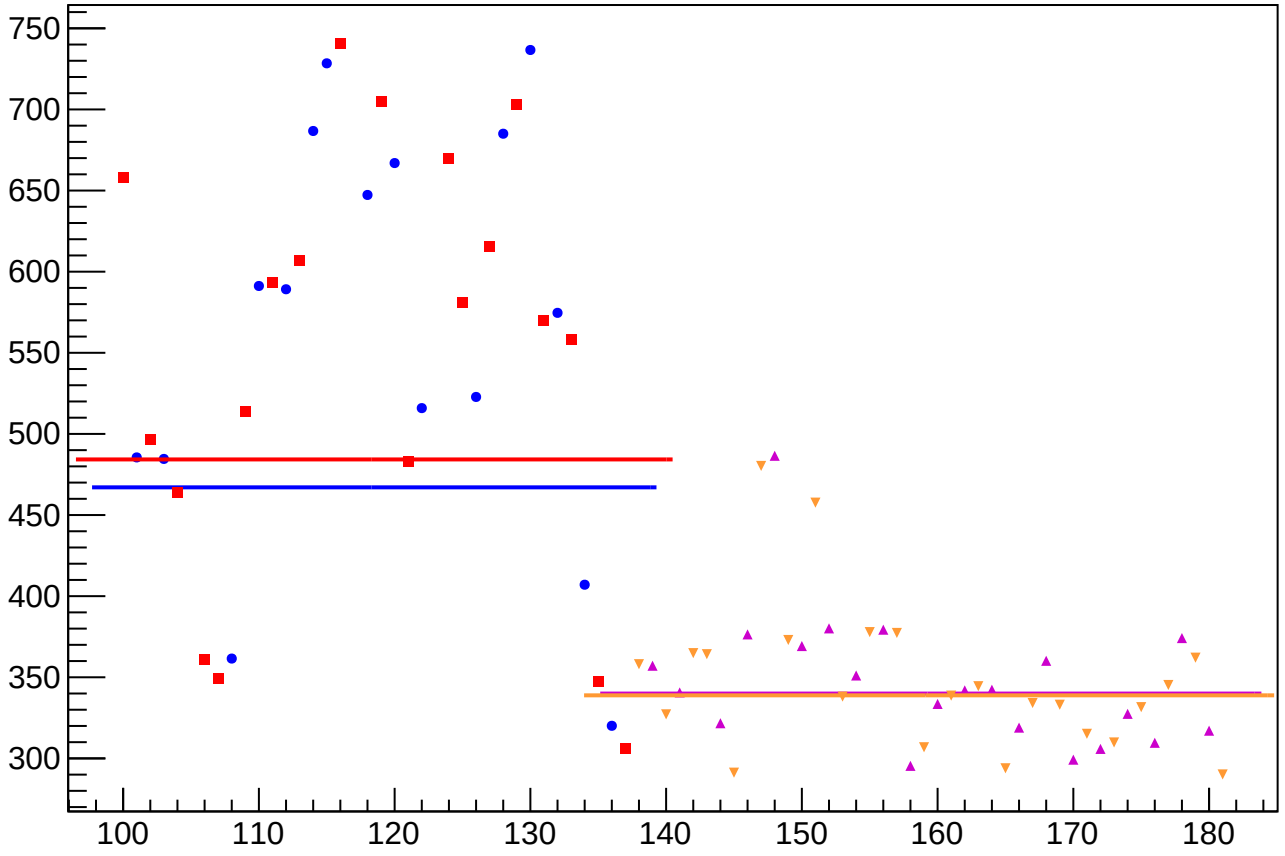
Left In: -28.998+/-82.512 χ^2/NDF:31.6/20

+ sign -116.086+/-73.050 χ^2/NDF: 46.4/38

All: -70.169+/-52.420 χ^2/NDF: 94.0/78

- sign -21.426+/-75.264 χ^2/NDF: 46.8/39

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: 338.869+/-0.056 χ^2/NDF:490289.3/22

Right Out: 484.274+/-0.130 χ^2/NDF: 888797.2/18

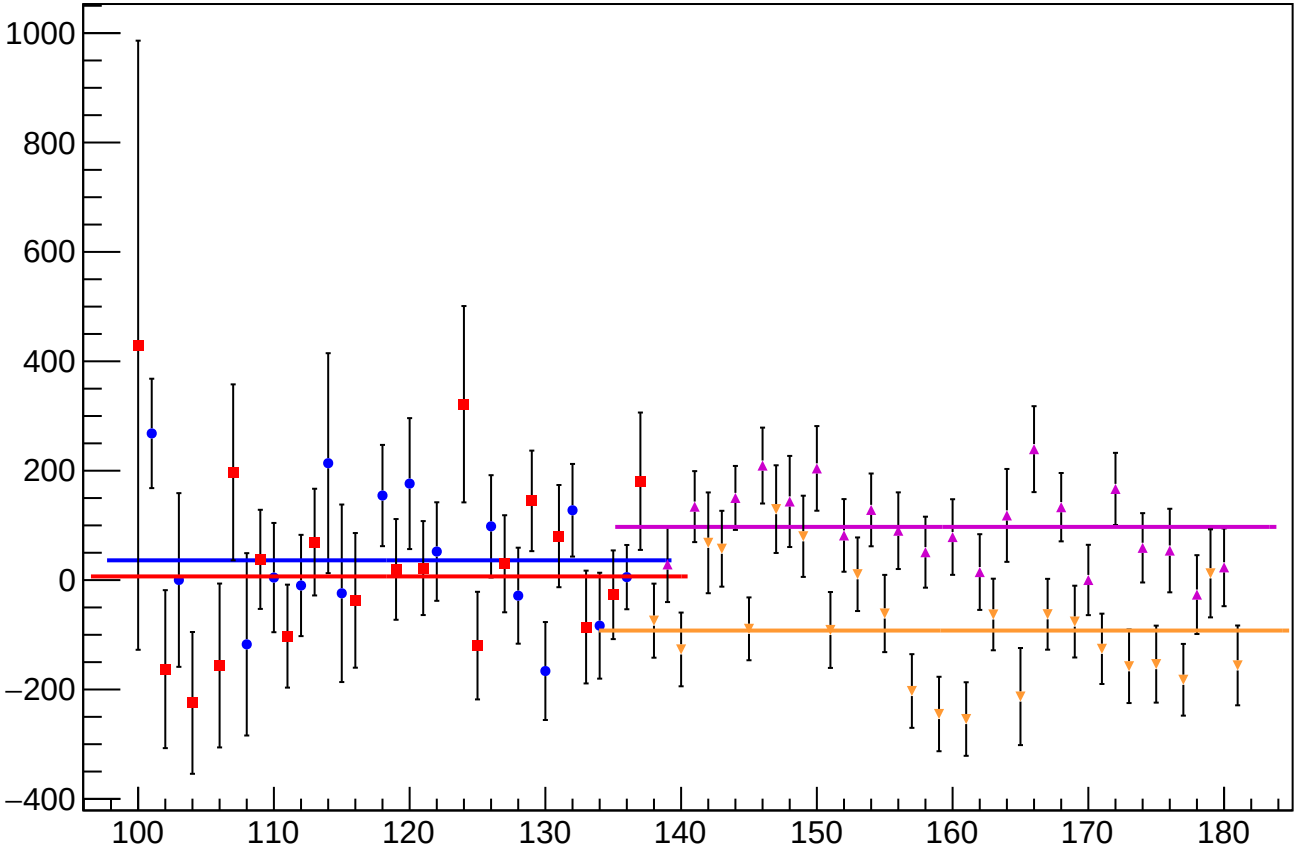
Left In: 339.959+/-0.058 χ^2/NDF:365304.3/20

+ sign 359.843+/-0.052 χ^2/NDF: 2363488.1/38

All: 361.955+/-0.037 χ^2/NDF: 4648612.1/78

- sign 364.197+/-0.053 χ^2/NDF: 2281677.5/39

dit_asym_sam_13_57_dd_mean vs Slug



Right In: 36.157+/-24.471 χ^2/NDF: 19.6/15

Left Out: -92.227+/-14.491 χ^2/NDF:45.8/22

Right Out: 6.734+/-24.565 χ^2/NDF: 20.3/18

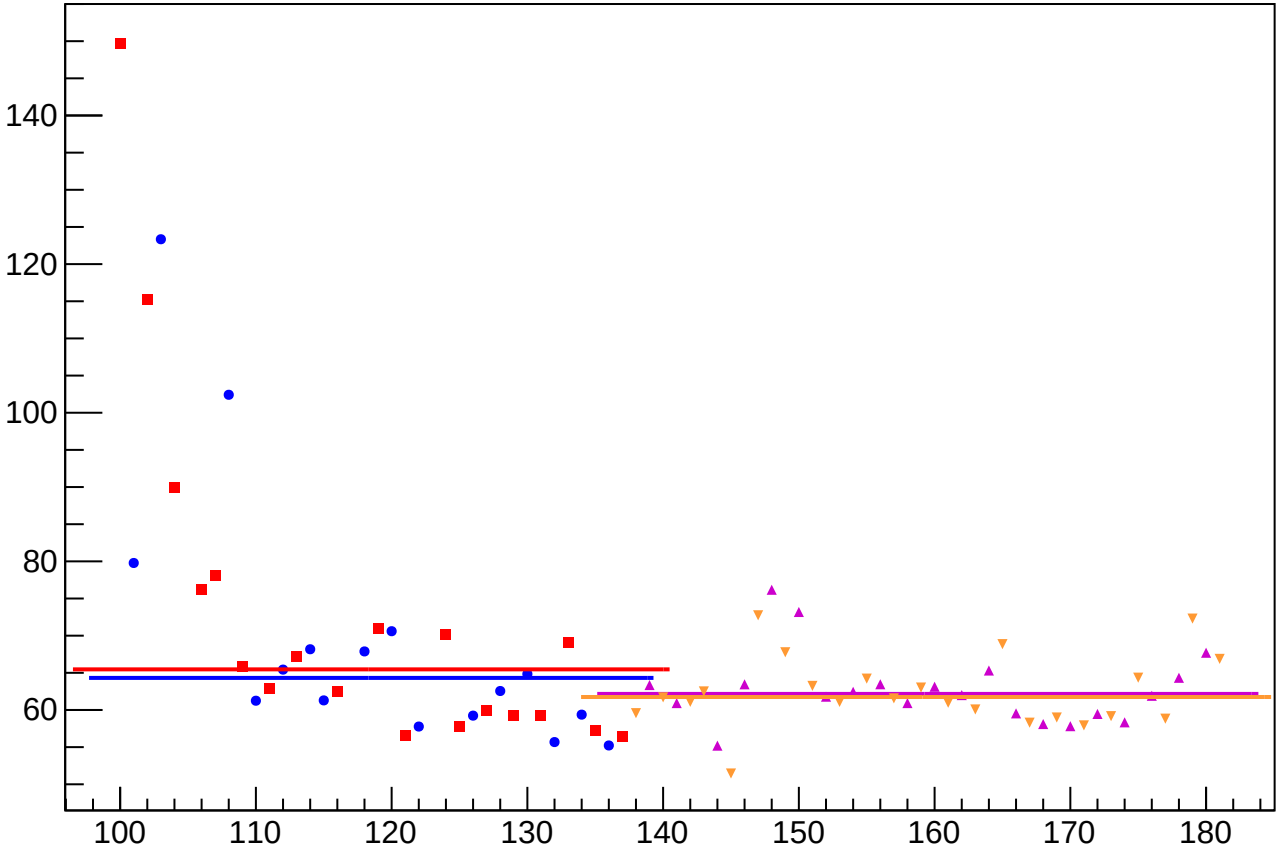
Left In: 97.269+/-15.057 χ^2/NDF:21.0/20

+ sign -58.896+/-12.469 χ^2/NDF: 85.8/38

All: 4.909+/-8.944 χ^2/NDF: 191.0/78

- sign 72.543+/-12.838 χ^2/NDF: 51.2/39

dit_asym_sam_13_57_dd_rms vs Slug



Right In: 64.316+/-0.017 χ^2/NDF: 532065.0/15

Left Out: 61.746+/-0.010 χ^2/NDF:206296.0/22

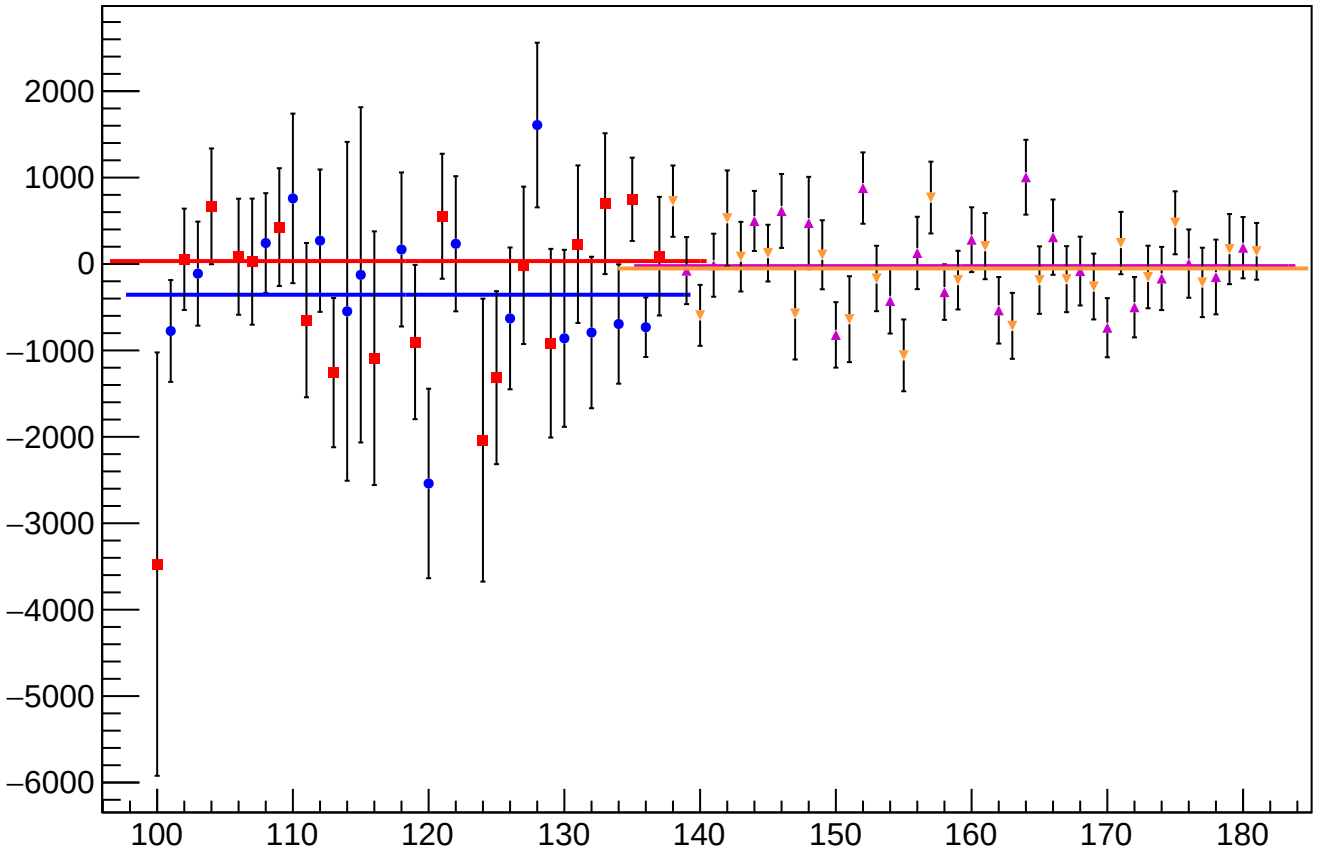
Right Out: 65.466+/-0.017 χ^2/NDF: 482361.0/18

Left In: 62.162+/-0.011 χ^2/NDF:176679.9/20

+ sign 62.413+/-0.009 χ^2/NDF: 754702.7/38

All: 62.729+/-0.006 χ^2/NDF: 1442689.7/78

- sign 63.065+/-0.009 χ^2/NDF: 685334.7/39



Right In: -355.529+/-180.335 χ^2/NDF: 14.8/15

Left Out: -51.340+/-81.078 χ^2/NDF:27.6/22

Right Out: 33.786+/-181.561 χ^2/NDF: 15.4/18

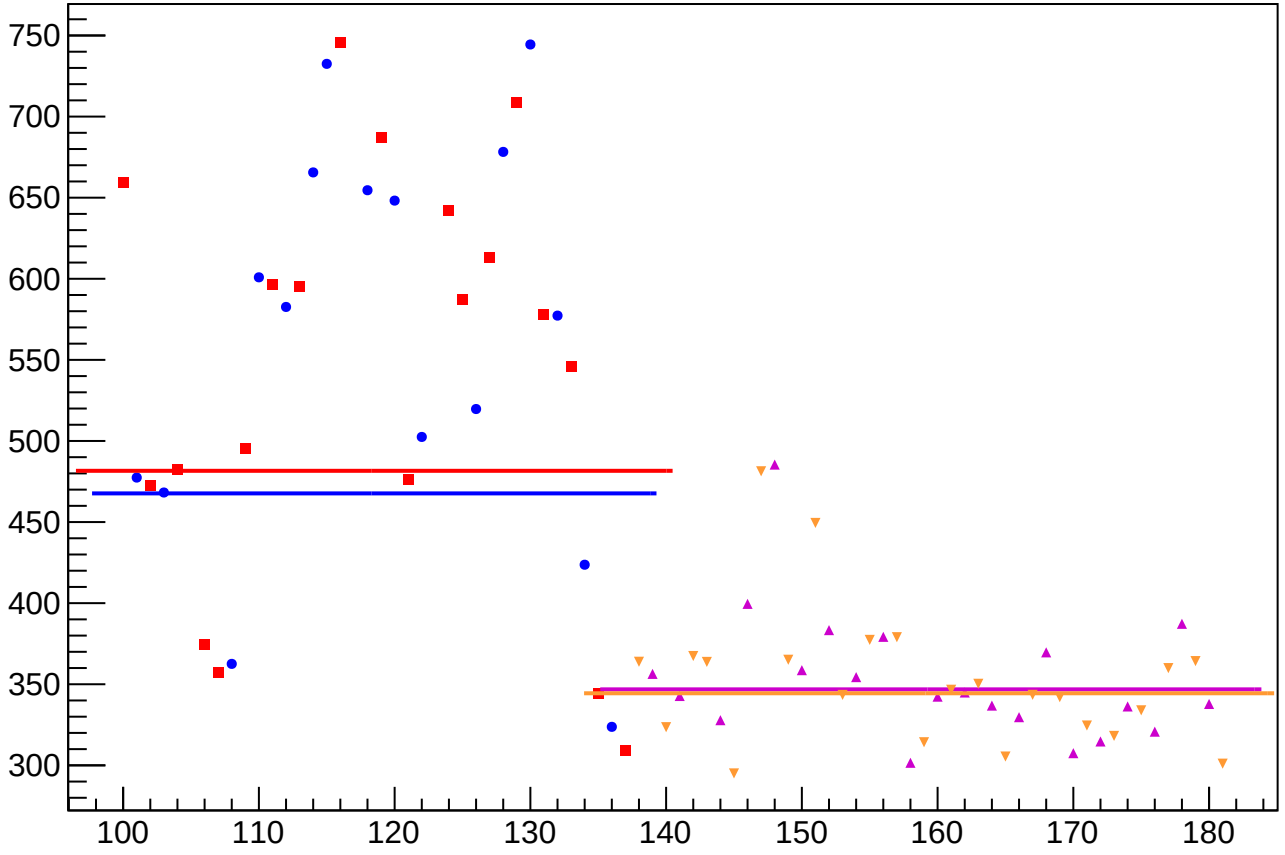
Left In: -24.856+/-84.124 χ^2/NDF:32.2/20

+ sign -102.488+/-73.948 χ^2/NDF: 44.8/38

All: -59.884+/-53.111 χ^2/NDF: 93.2/78

- sign -14.492+/-76.329 χ^2/NDF: 47.7/39

asym_sam_13_57_dd_dit_correction_rms vs Slug



Right In: 467.674+/-0.128 χ^2/NDF: 985943.7/15

Left Out: 344.434+/-0.057 χ^2/NDF:415973.2/22

Right Out: 481.599+/-0.128 χ^2/NDF: 854281.1/18

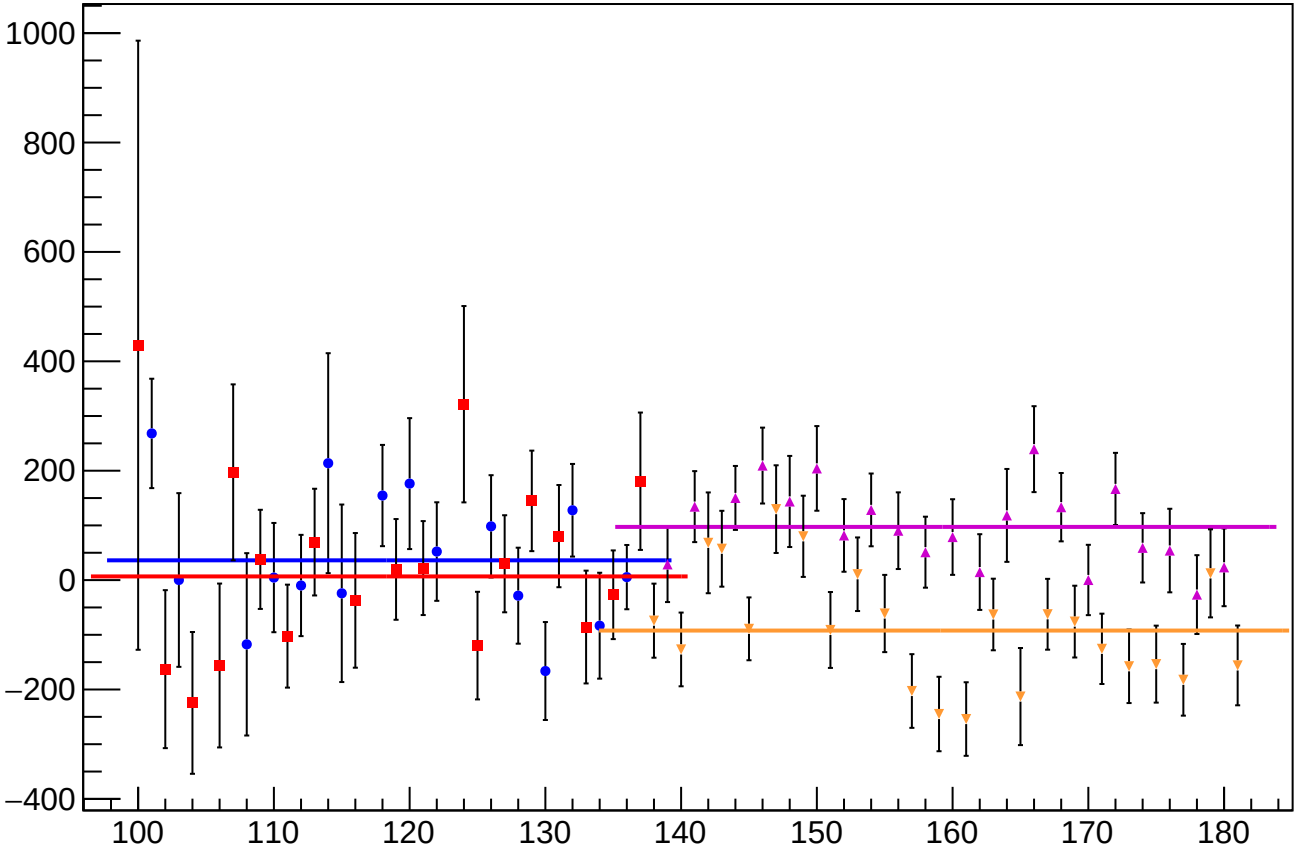
Left In: 346.852+/-0.059 χ^2/NDF:326075.1/20

+ sign 365.156+/-0.052 χ^2/NDF: 2178927.0/38

All: 367.824+/-0.038 χ^2/NDF: 4271573.1/78

- sign 370.667+/-0.054 χ^2/NDF: 2087268.5/39

eigen_dit_asym_sam_13_57_dd_mean vs Slug



Right In: 36.157+/-24.471 χ^2/NDF: 19.6/15

Left Out: -92.227+/-14.491 χ^2/NDF:45.8/22

Right Out: 6.735+/-24.565 χ^2/NDF: 20.3/18

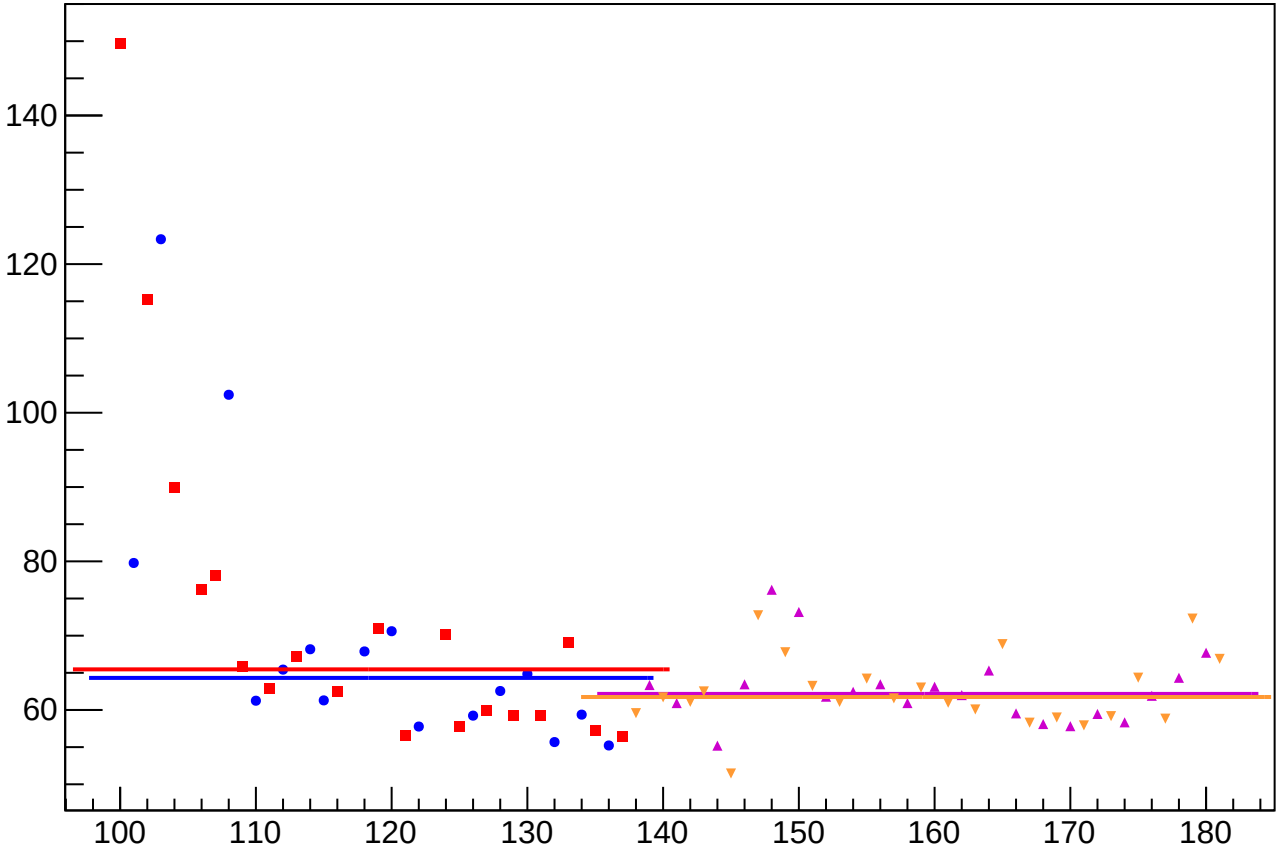
Left In: 97.269+/-15.057 χ^2/NDF:21.0/20

+ sign -58.895+/-12.469 χ^2/NDF: 85.8/38

All: 4.909+/-8.944 χ^2/NDF: 191.0/78

- sign 72.543+/-12.838 χ^2/NDF: 51.2/39

eigen_dit_asym_sam_13_57_dd_rms vs Slug



Right In: 64.316+/-0.017 χ^2/NDF: 532073.4/15

Left Out: 61.746+/-0.010 χ^2/NDF:206300.4/22

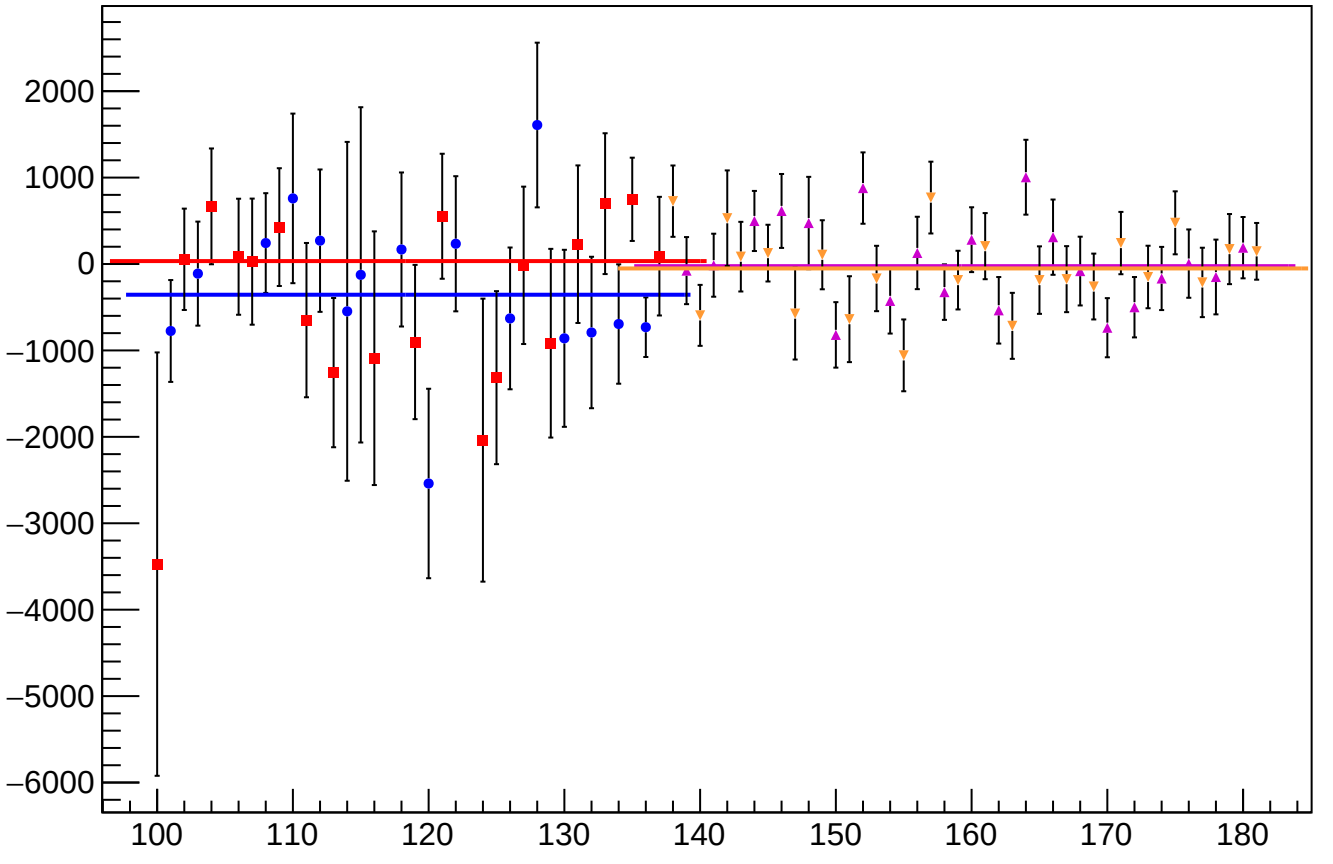
Right Out: 65.466+/-0.017 χ^2/NDF: 482367.1/18

Left In: 62.162+/-0.011 χ^2/NDF:176683.5/20

+ sign 62.413+/-0.009 χ^2/NDF: 754714.1/38

All: 62.729+/-0.006 χ^2/NDF: 1442708.8/78

- sign 63.065+/-0.009 χ^2/NDF: 685342.2/39



Right In: -355.529+/-180.334 χ^2/NDF: 14.8/15

Left Out: -51.339+/-81.078 χ^2/NDF:27.6/22

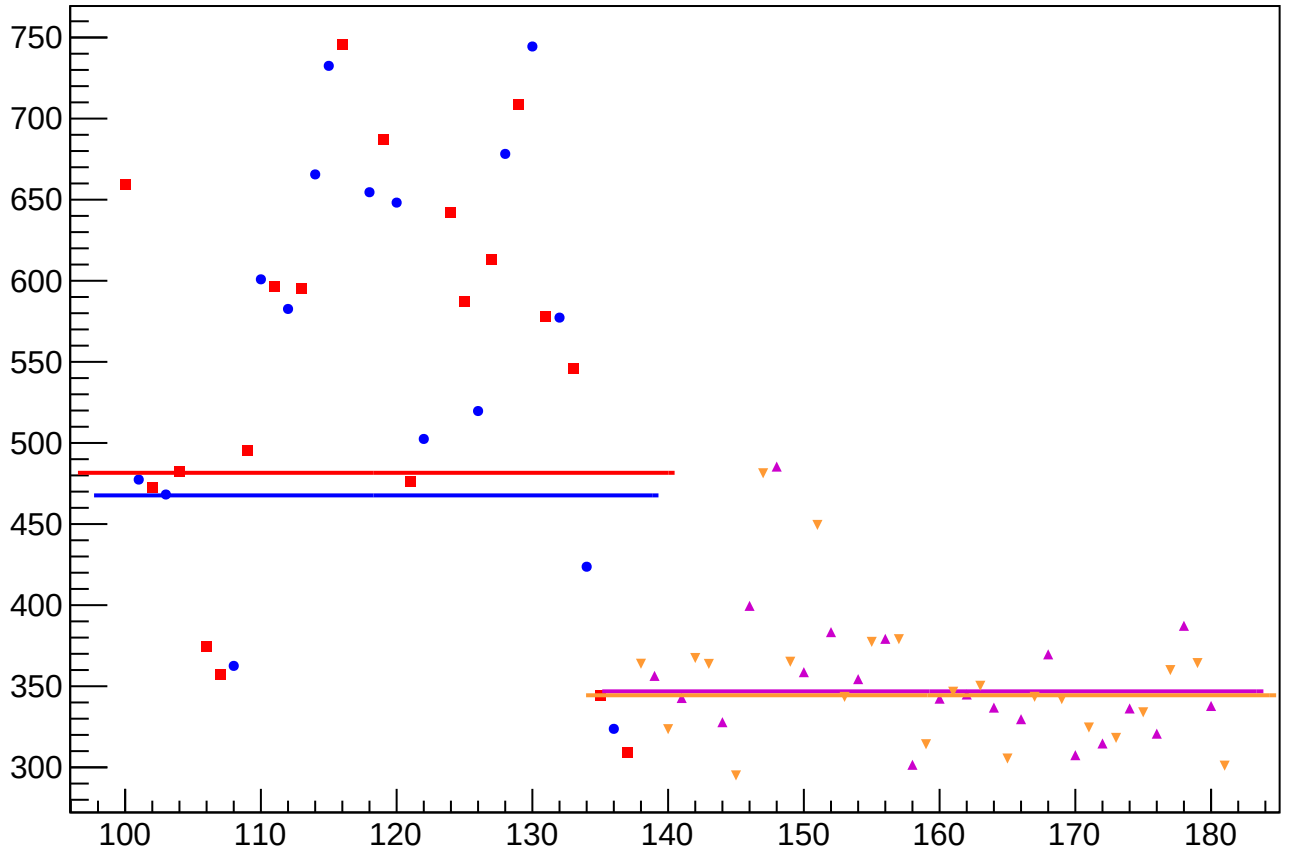
Right Out: 33.787+/-181.560 χ^2/NDF: 15.4/18

Left In: -24.856+/-84.124 χ^2/NDF:32.2/20

+ sign -102.488+/-73.948 χ^2/NDF: 44.8/38

All: -59.884+/-53.111 χ^2/NDF: 93.2/78

- sign -14.492+/-76.329 χ^2/NDF: 47.7/39



Right In: 467.674+/-0.128 χ^2/NDF: 985945.4/15

Left Out: 344.434+/-0.057 χ^2/NDF:415975.3/22

Right Out: 481.599+/-0.128 χ^2/NDF: 854281.0/18

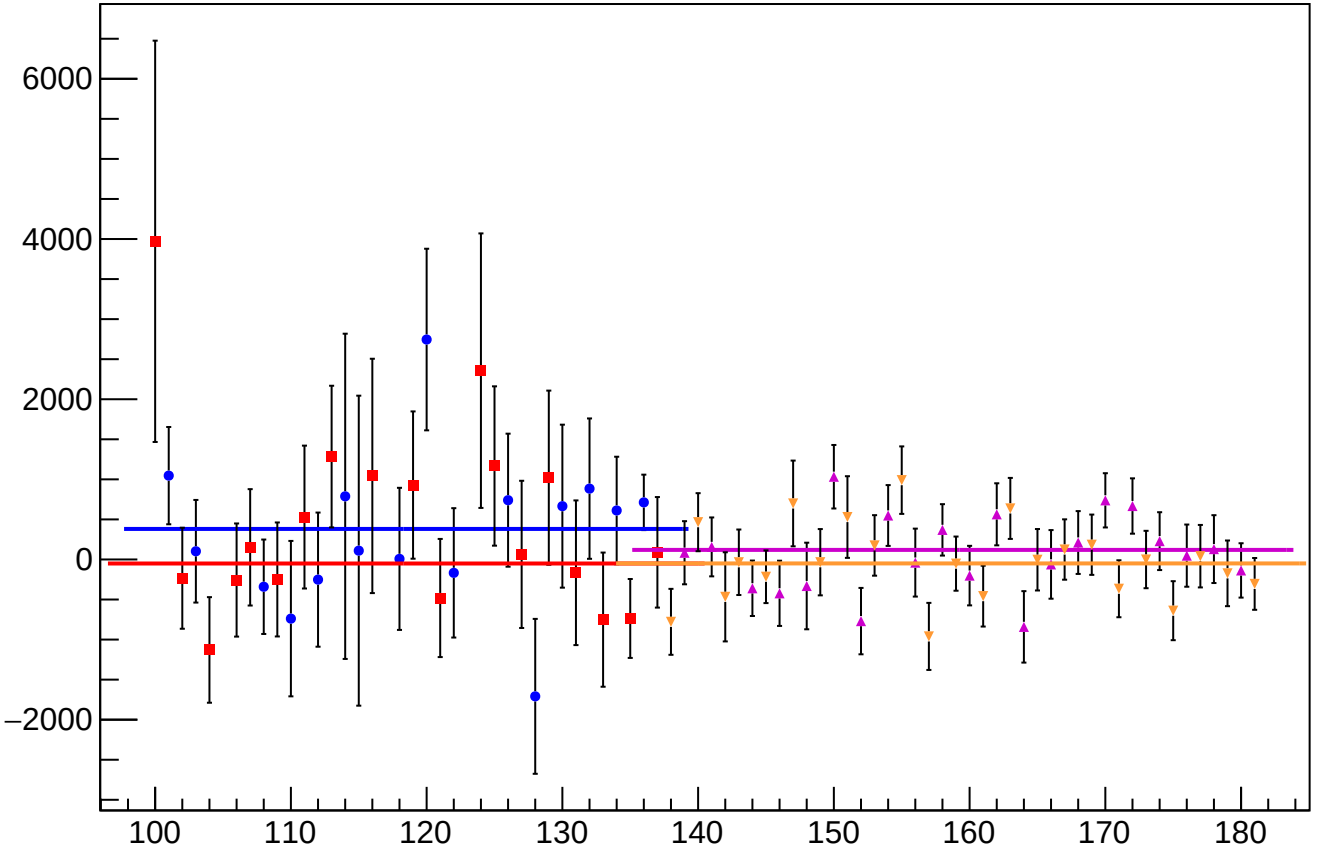
Left In: 346.852+/-0.059 χ^2/NDF:326076.5/20

+ sign 365.156+/-0.052 χ^2/NDF: 2178924.8/38

All: 367.824+/-0.038 χ^2/NDF: 4271562.0/78

- sign 370.667+/-0.054 χ^2/NDF: 2087259.4/39

asym_sam_13_57_dd_mean vs Slug



Right In: 381.086+/-182.655 χ^2/NDF: 16.1/15

Left Out: -49.502+/-81.059 χ^2/NDF:29.6/22

Right Out: -50.392+/-185.262 χ^2/NDF: 17.5/18

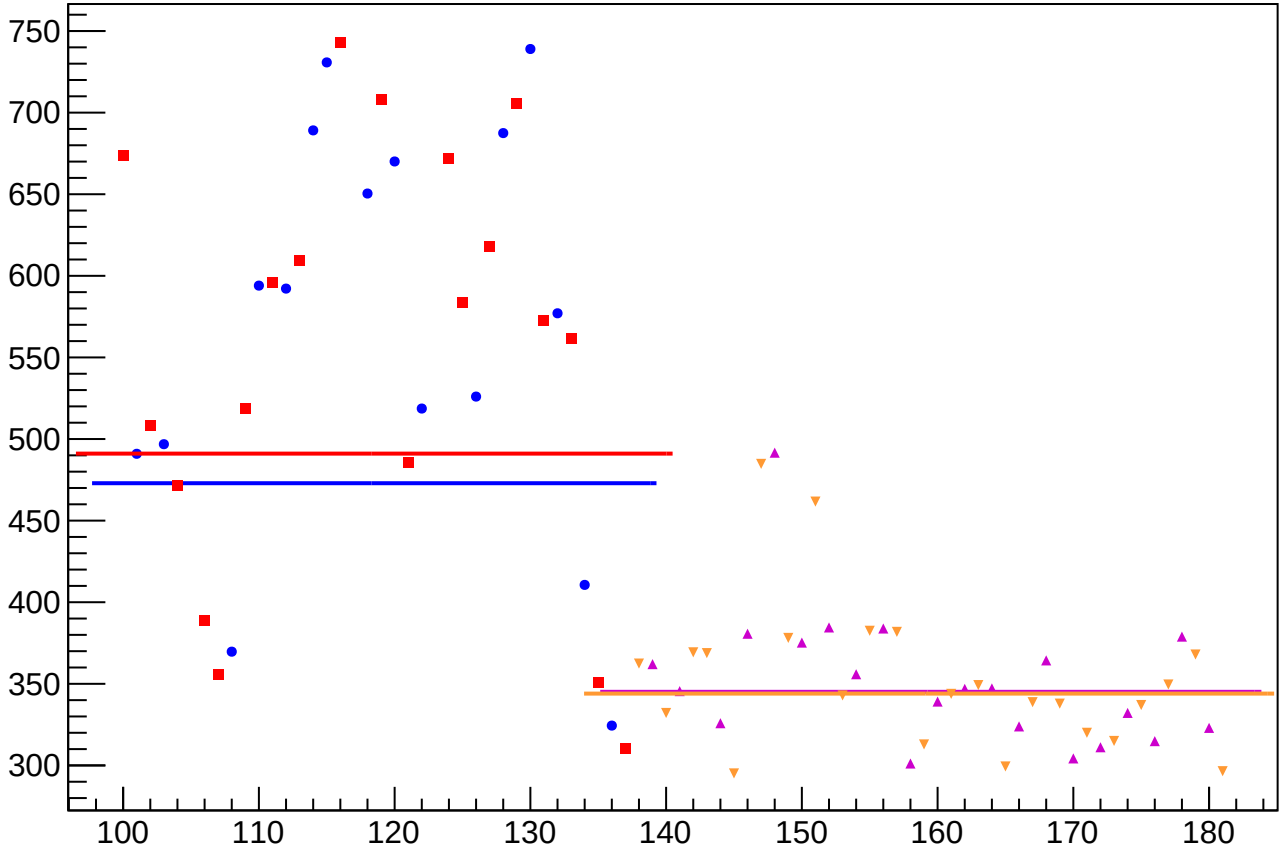
Left In: 119.376+/-83.736 χ^2/NDF:29.8/20

+ sign 21.346+/-74.091 χ^2/NDF: 50.4/38

All: 54.943+/-53.155 χ^2/NDF: 98.8/78

- sign 90.577+/-76.304 χ^2/NDF: 48.0/39

asym_sam_13_57_dd_rms vs Slug



Right In: 472.924+/-0.129 χ^2/NDF: 1000274.3/15

Left Out: 344.007+/-0.057 χ^2/NDF:472426.1/22

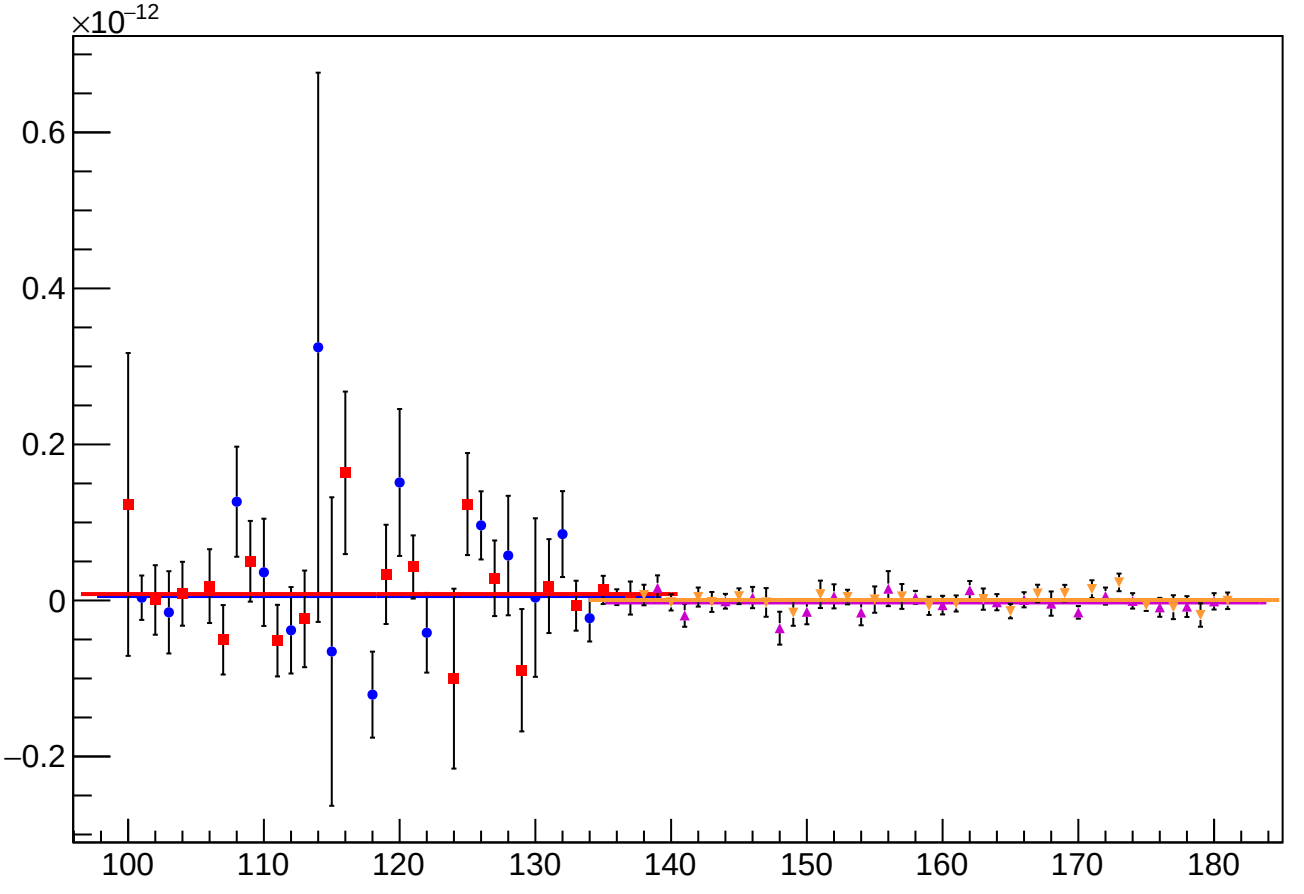
Right Out: 491.063+/-0.131 χ^2/NDF: 847493.6/18

Left In: 345.098+/-0.059 χ^2/NDF:352388.7/20

+ sign 365.219+/-0.052 χ^2/NDF: 2305064.4/38

All: 367.471+/-0.038 χ^2/NDF: 4539662.5/78

- sign 369.859+/-0.054 χ^2/NDF: 2230790.8/39



Right In: 0.000+/-0.000 χ^2/NDF: 21.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.6/22

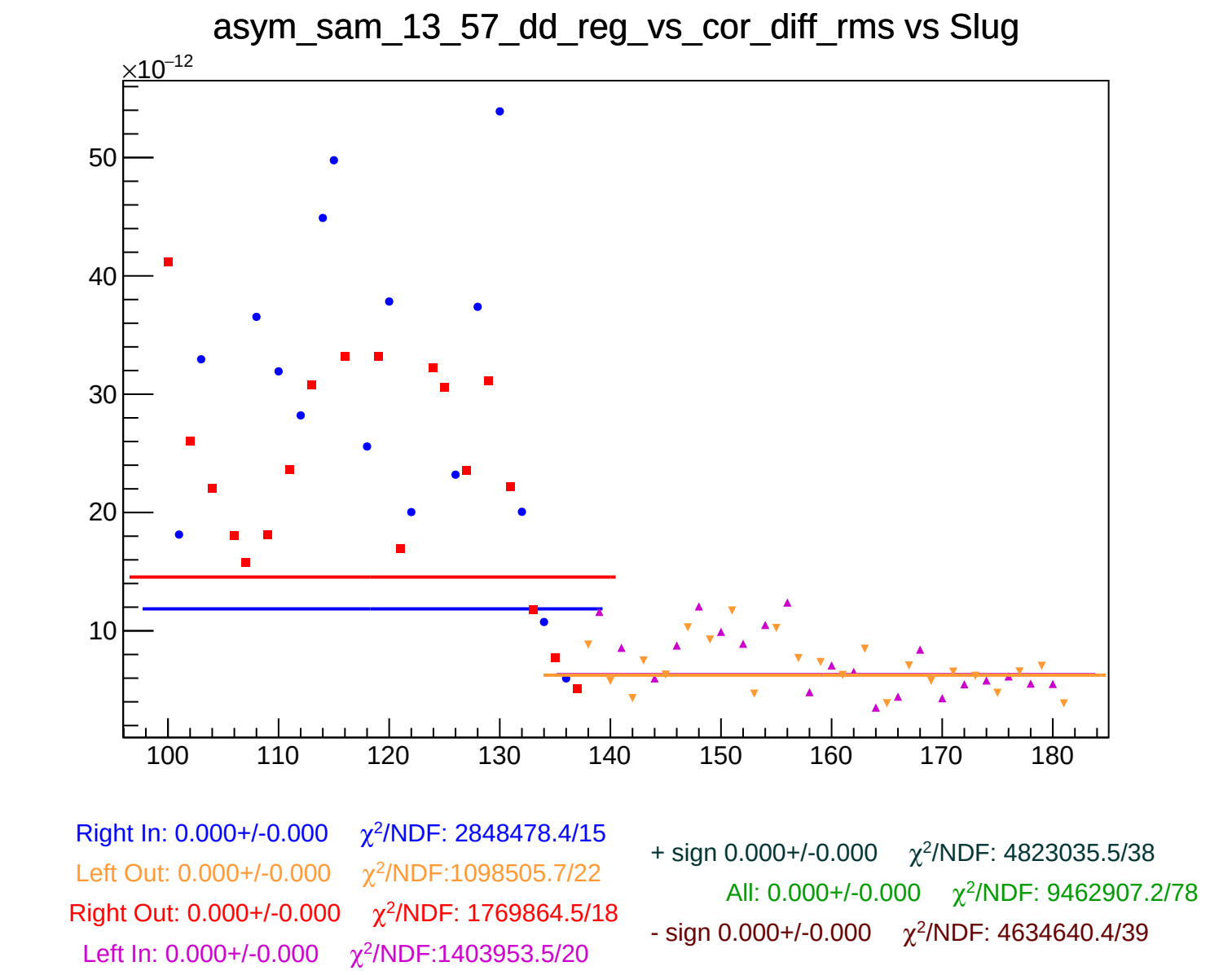
Right Out: 0.000+/-0.000 χ^2/NDF: 14.0/18

Left In: -0.000+/-0.000 χ^2/NDF:13.6/20

+ sign 0.000+/-0.000 χ^2/NDF: 36.1/38

All: -0.000+/-0.000 χ^2/NDF: 65.6/78

- sign -0.000+/-0.000 χ^2/NDF: 28.8/39


asym_sam_13_57_dd_reg_vs_cor_diff_rms vs Slug
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170
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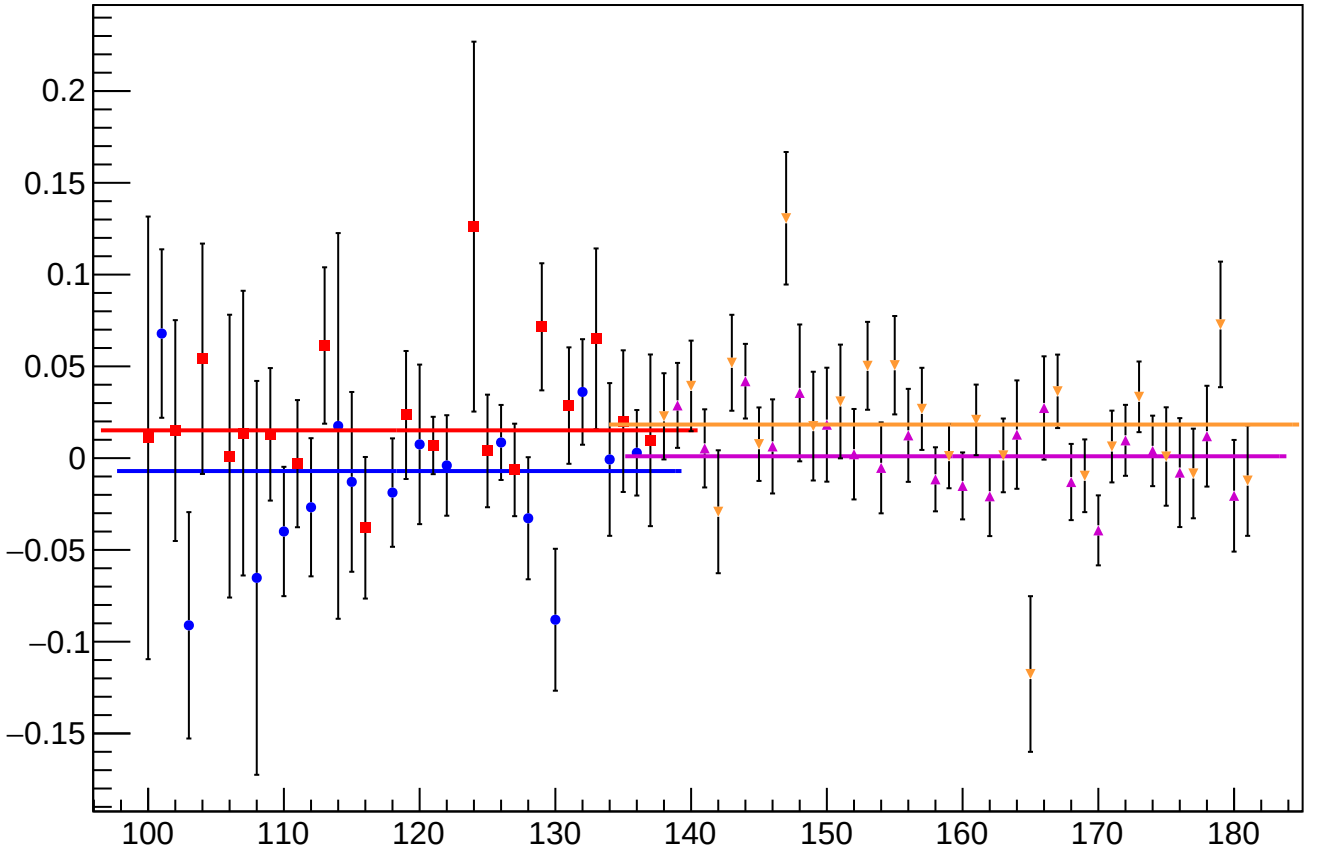
Right In: 0.000+/-0.000 χ²/NDF: 2848478.4/15
Left Out: 0.000+/-0.000 χ²/NDF:1098505.7/22
Right Out: 0.000+/-0.000 χ²/NDF: 1769864.5/18
Left In: 0.000+/-0.000 χ²/NDF:1403953.5/20
+ sign 0.000+/-0.000 χ²/NDF: 4823035.5/38
All: 0.000+/-0.000 χ²/NDF: 9462907.2/78
- sign 0.000+/-0.000 χ²/NDF: 4634640.4/39

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: 0.018+/-0.005 χ^2/NDF:38.9/22

Right Out: 0.015+/-0.008 χ^2/NDF: 10.1/18

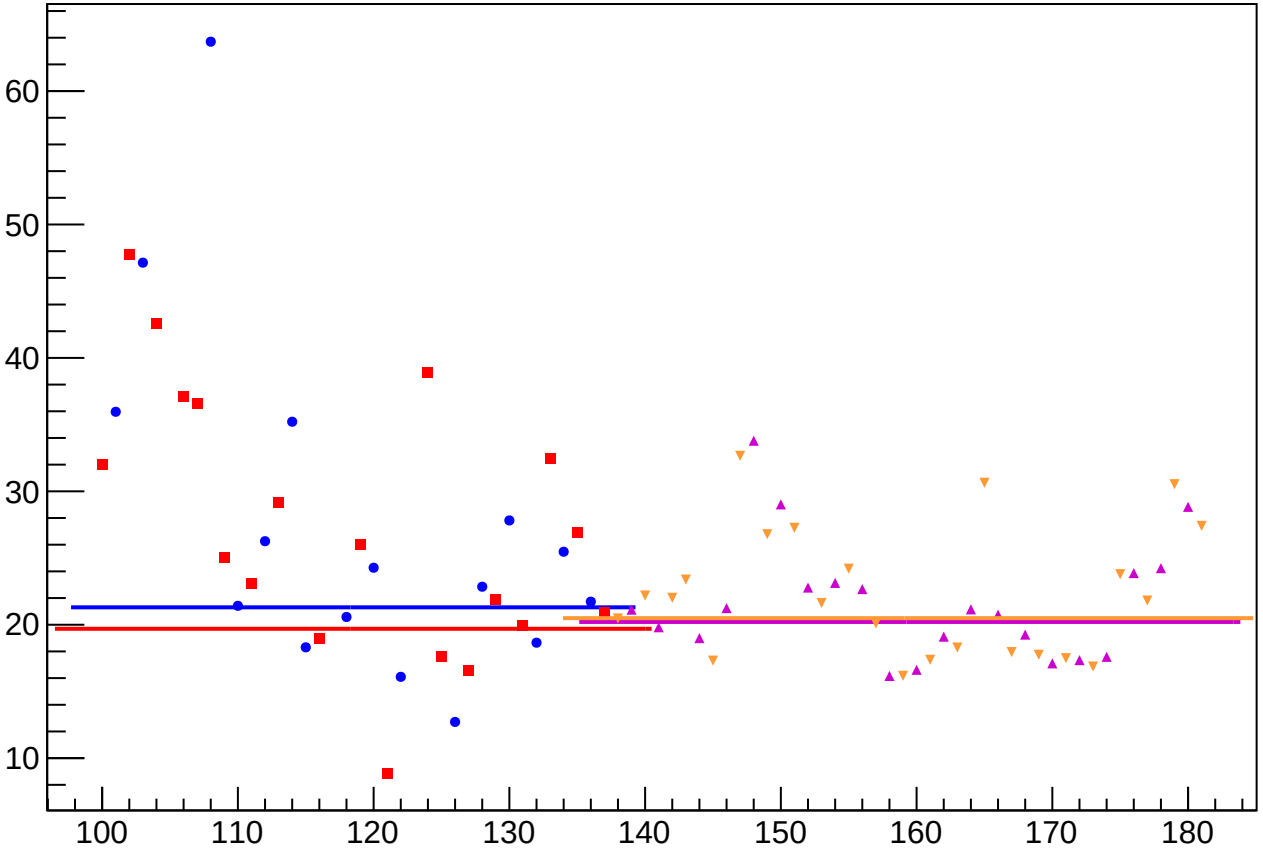
Left In: 0.001+/-0.005 χ^2/NDF:16.3/20

+ sign 0.012+/-0.004 χ^2/NDF: 59.7/38

All: 0.008+/-0.003 χ^2/NDF: 89.6/78

- sign 0.005+/-0.004 χ^2/NDF: 28.5/39

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: 20.493+/-0.004 χ^2/NDF:1360840.6/22

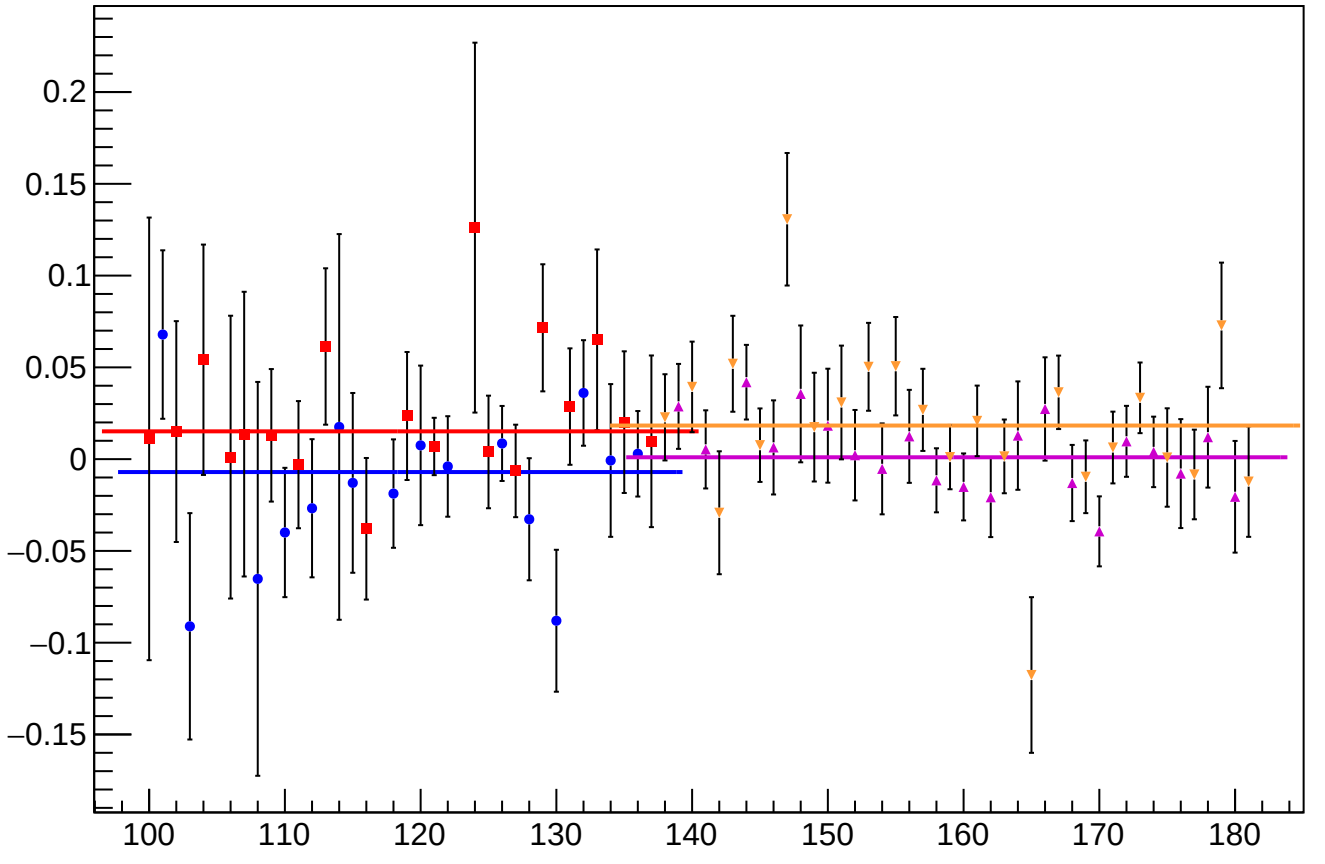
Right Out: 19.697+/-0.006 χ^2/NDF: 2438979.3/18

Left In: 20.209+/-0.004 χ^2/NDF:1074964.1/20

+ sign 20.695+/-0.003 χ^2/NDF: 2853581.2/38

All: 20.382+/-0.002 χ^2/NDF: 6394350.6/78

- sign 20.069+/-0.003 χ^2/NDF: 3519585.4/39



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.018+/-0.005 χ^2/NDF:38.9/22

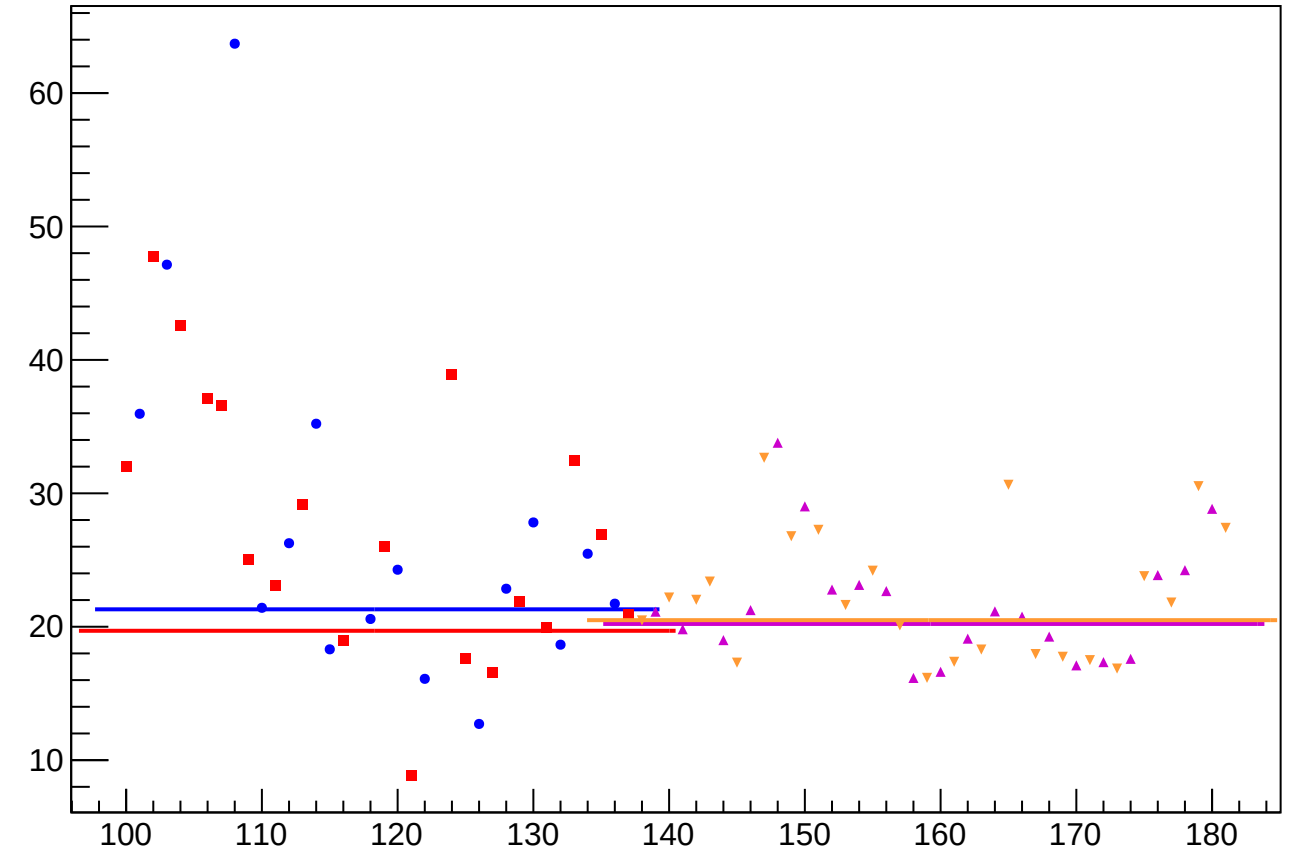
Right Out: 0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: 0.001+/-0.005 χ^2/NDF:16.3/20

+ sign 0.012+/-0.004 χ^2/NDF: 59.7/38

All: 0.008+/-0.003 χ^2/NDF: 89.6/78

- sign 0.005+/-0.004 χ^2/NDF: 28.5/39



Right In: 21.305+/-0.006 χ^2/NDF: 1479398.3/15

Left Out: 20.493+/-0.004 χ^2/NDF:1360840.6/22

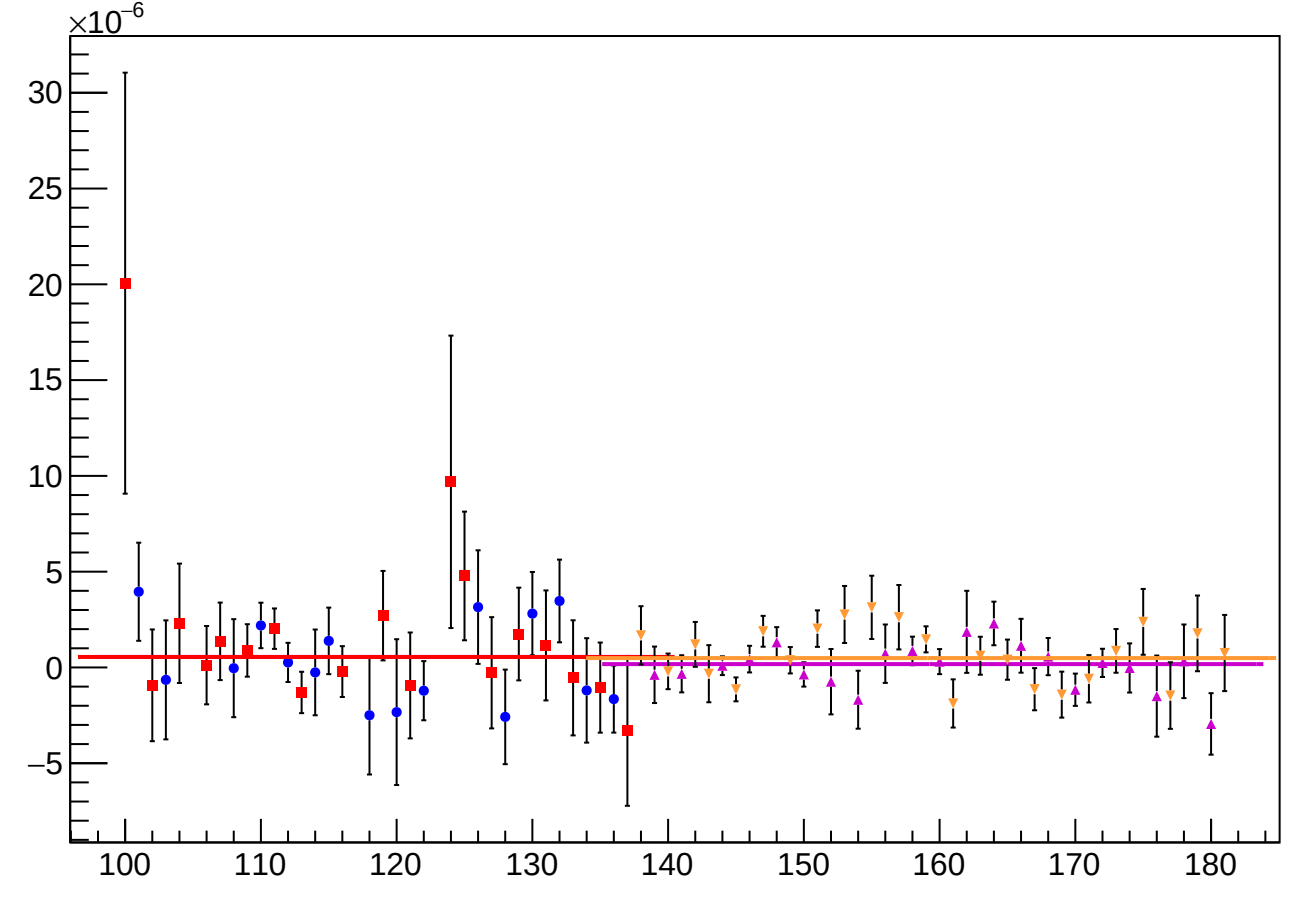
Right Out: 19.697+/-0.006 χ^2/NDF: 2438979.3/18

Left In: 20.209+/-0.004 χ^2/NDF:1074964.1/20

+ sign 20.695+/-0.003 χ^2/NDF: 2853581.2/38

All: 20.382+/-0.002 χ^2/NDF: 6394350.6/78

- sign 20.069+/-0.003 χ^2/NDF: 3519585.4/39



Right In: 0.000+/-0.000 χ^2/NDF: 14.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:35.0/22

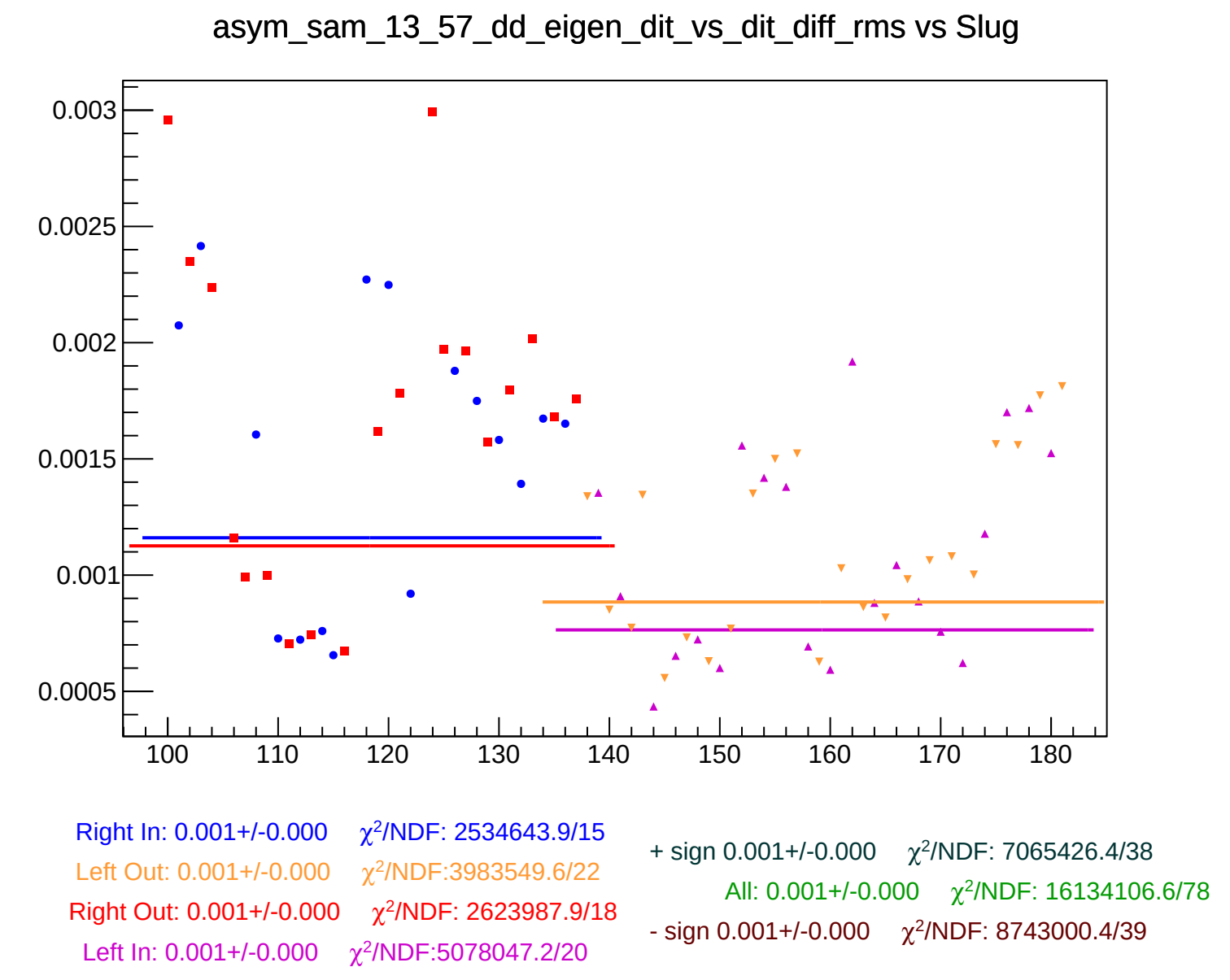
Right Out: 0.000+/-0.000 χ^2/NDF: 15.3/18

Left In: 0.000+/-0.000 χ^2/NDF:17.9/20

+ sign 0.000+/-0.000 χ^2/NDF: 49.4/38

All: 0.000+/-0.000 χ^2/NDF: 84.2/78

- sign 0.000+/-0.000 χ^2/NDF: 33.8/39


asym_sam_13_57_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.003
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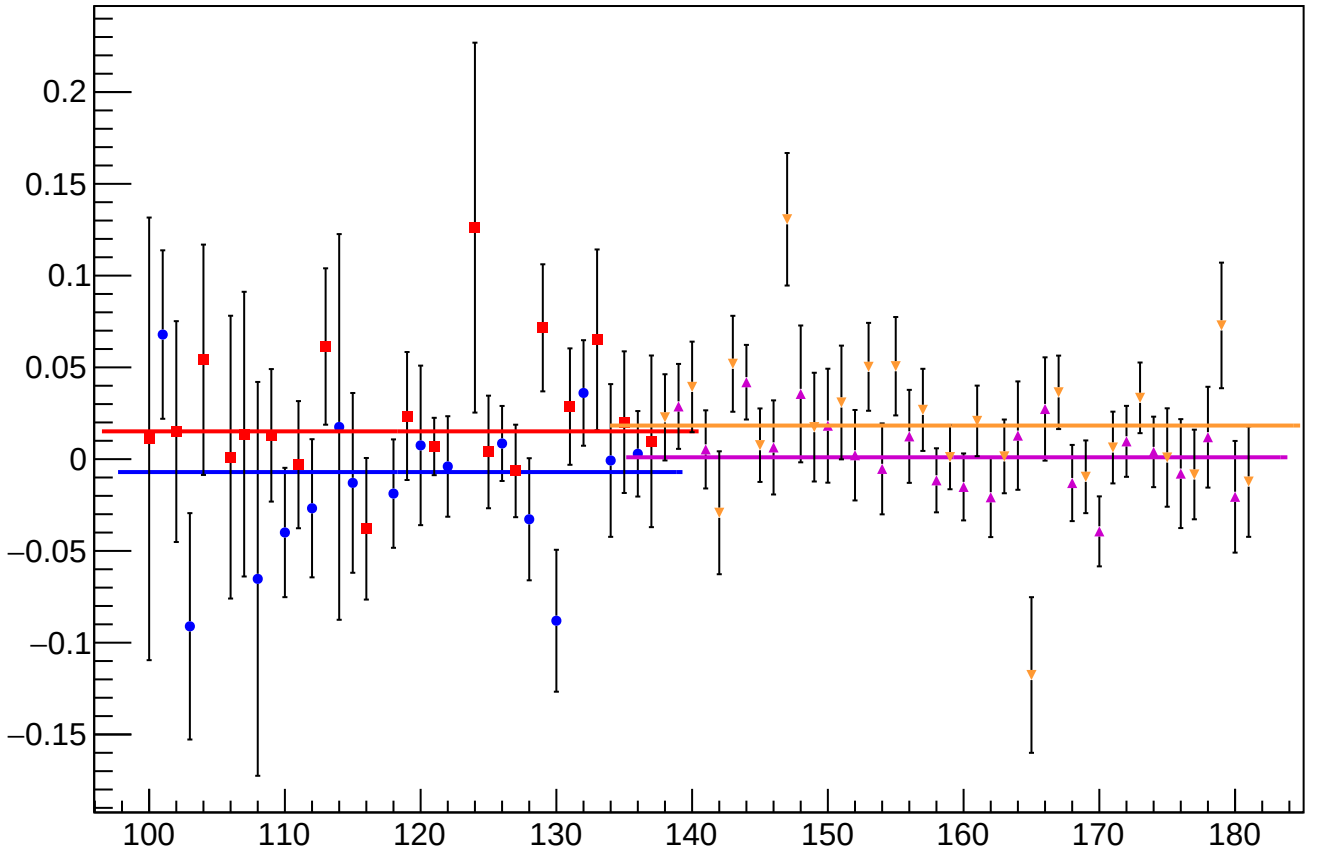
Right In: 0.001+/-0.000 χ²/NDF: 2534643.9/15
Left Out: 0.001+/-0.000 χ²/NDF:3983549.6/22
Right Out: 0.001+/-0.000 χ²/NDF: 2623987.9/18
Left In: 0.001+/-0.000 χ²/NDF:5078047.2/20
+ sign 0.001+/-0.000 χ²/NDF: 7065426.4/38
All: 0.001+/-0.000 χ²/NDF: 16134106.6/78
- sign 0.001+/-0.000 χ²/NDF: 8743000.4/39



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.018+/-0.005 χ^2/NDF:38.9/22

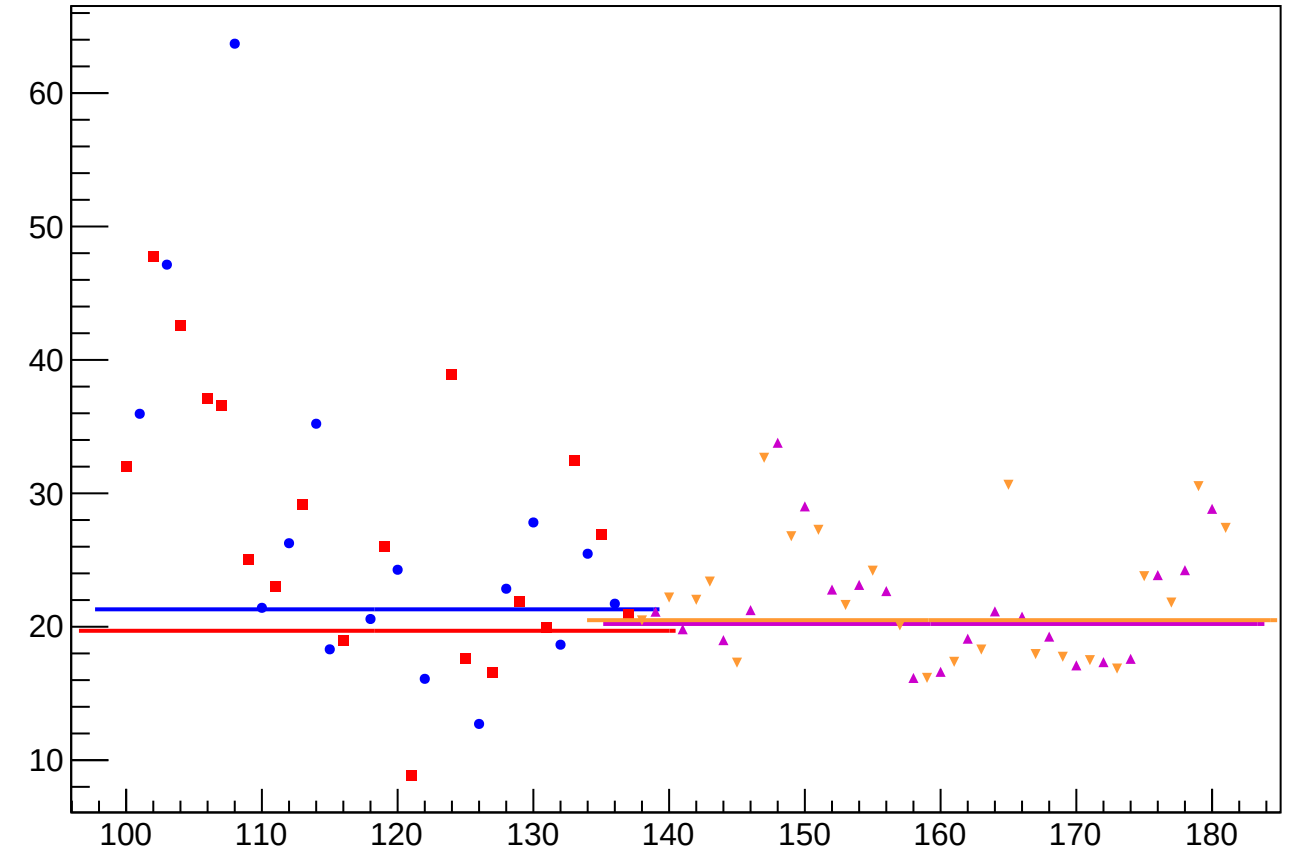
Right Out: 0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: 0.001+/-0.005 χ^2/NDF:16.3/20

+ sign 0.012+/-0.004 χ^2/NDF: 59.7/38

All: 0.008+/-0.003 χ^2/NDF: 89.6/78

- sign 0.005+/-0.004 χ^2/NDF: 28.5/39



Right In: 21.306+/-0.006 χ^2/NDF: 1479231.5/15

Left Out: 20.493+/-0.004 χ^2/NDF:1360941.2/22

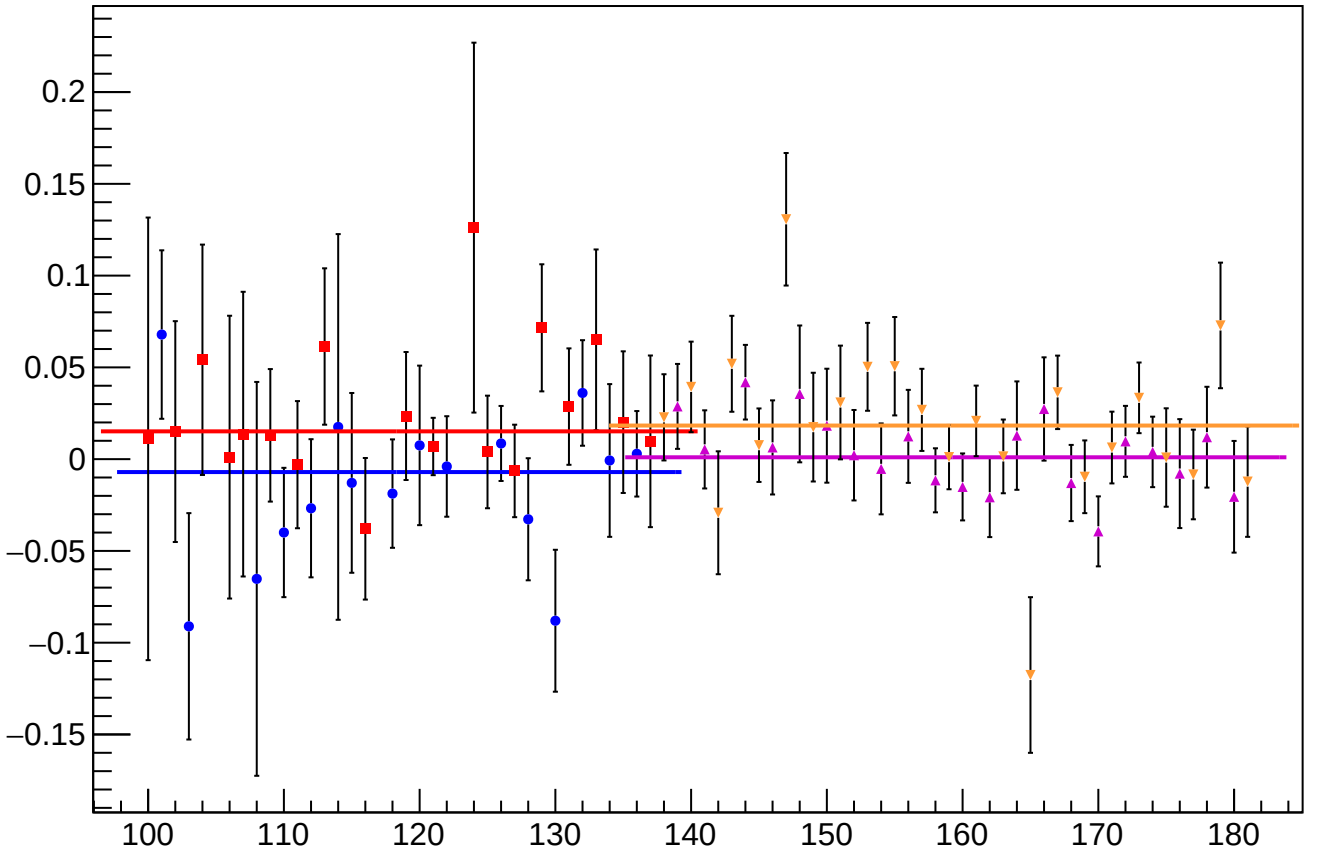
Right Out: 19.698+/-0.006 χ^2/NDF: 2438612.4/18

Left In: 20.209+/-0.004 χ^2/NDF:1075018.1/20

+ sign 20.695+/-0.003 χ^2/NDF: 2853526.4/38

All: 20.382+/-0.002 χ^2/NDF: 6393957.1/78

- sign 20.070+/-0.003 χ^2/NDF: 3519258.8/39



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.018+/-0.005 χ^2/NDF:38.9/22

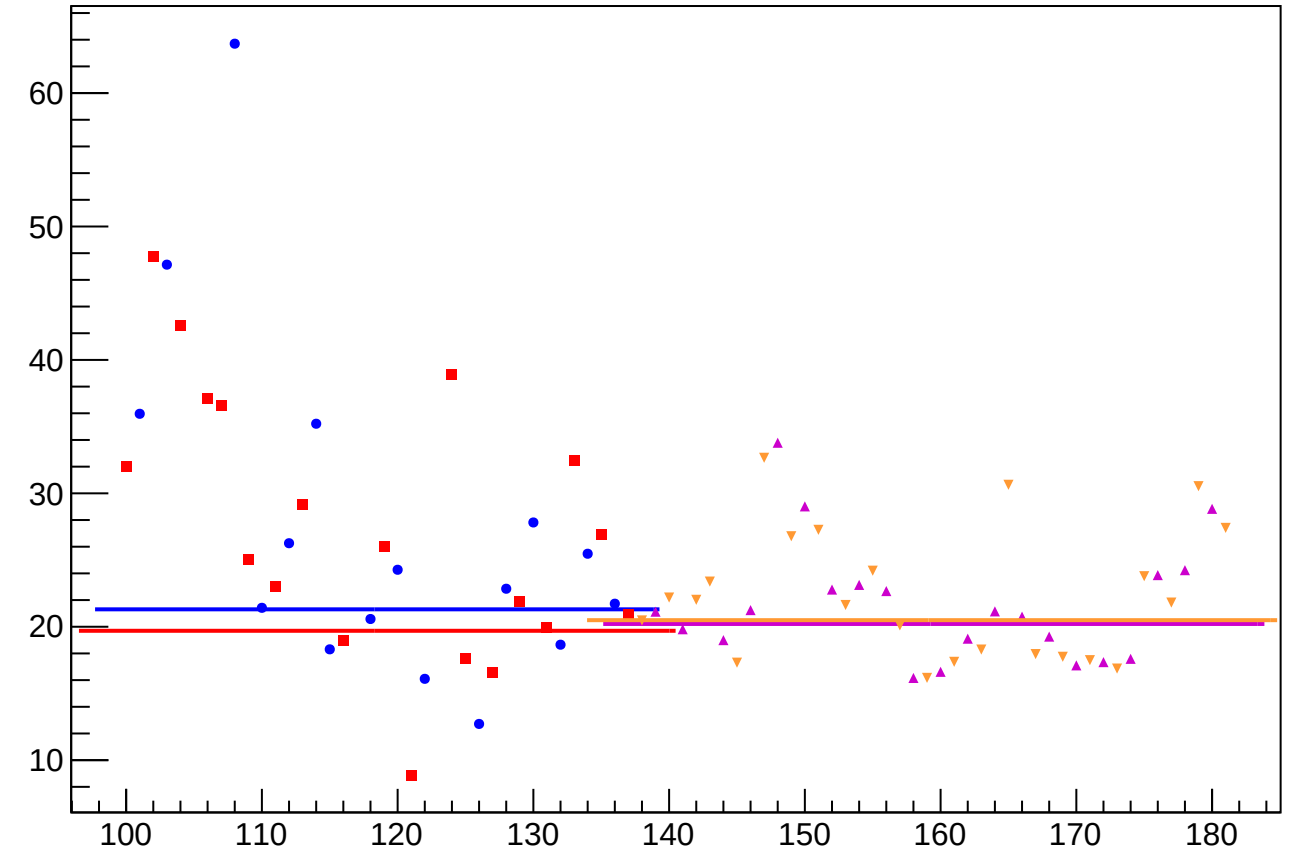
Right Out: 0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: 0.001+/-0.005 χ^2/NDF:16.3/20

+ sign 0.012+/-0.004 χ^2/NDF: 59.7/38

All: 0.008+/-0.003 χ^2/NDF: 89.6/78

- sign 0.005+/-0.004 χ^2/NDF: 28.5/39



Right In: 21.306+/-0.006 χ^2/NDF: 1479231.5/15

Left Out: 20.493+/-0.004 χ^2/NDF:1360941.2/22

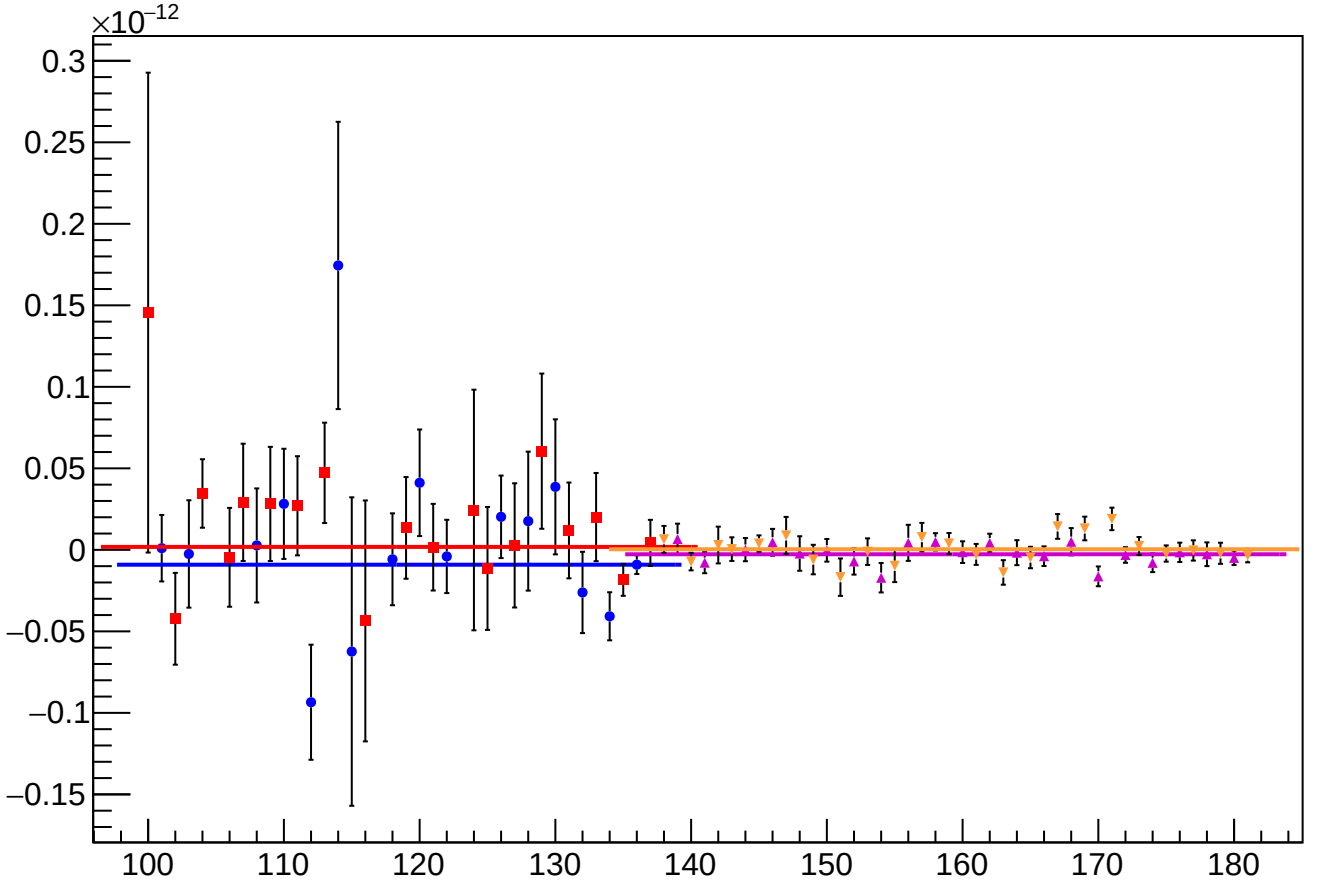
Right Out: 19.698+/-0.006 χ^2/NDF: 2438612.4/18

Left In: 20.209+/-0.004 χ^2/NDF:1075018.1/20

+ sign 20.695+/-0.003 χ^2/NDF: 2853526.4/38

All: 20.382+/-0.002 χ^2/NDF: 6393957.1/78

- sign 20.070+/-0.003 χ^2/NDF: 3519258.8/39



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:28.0/22

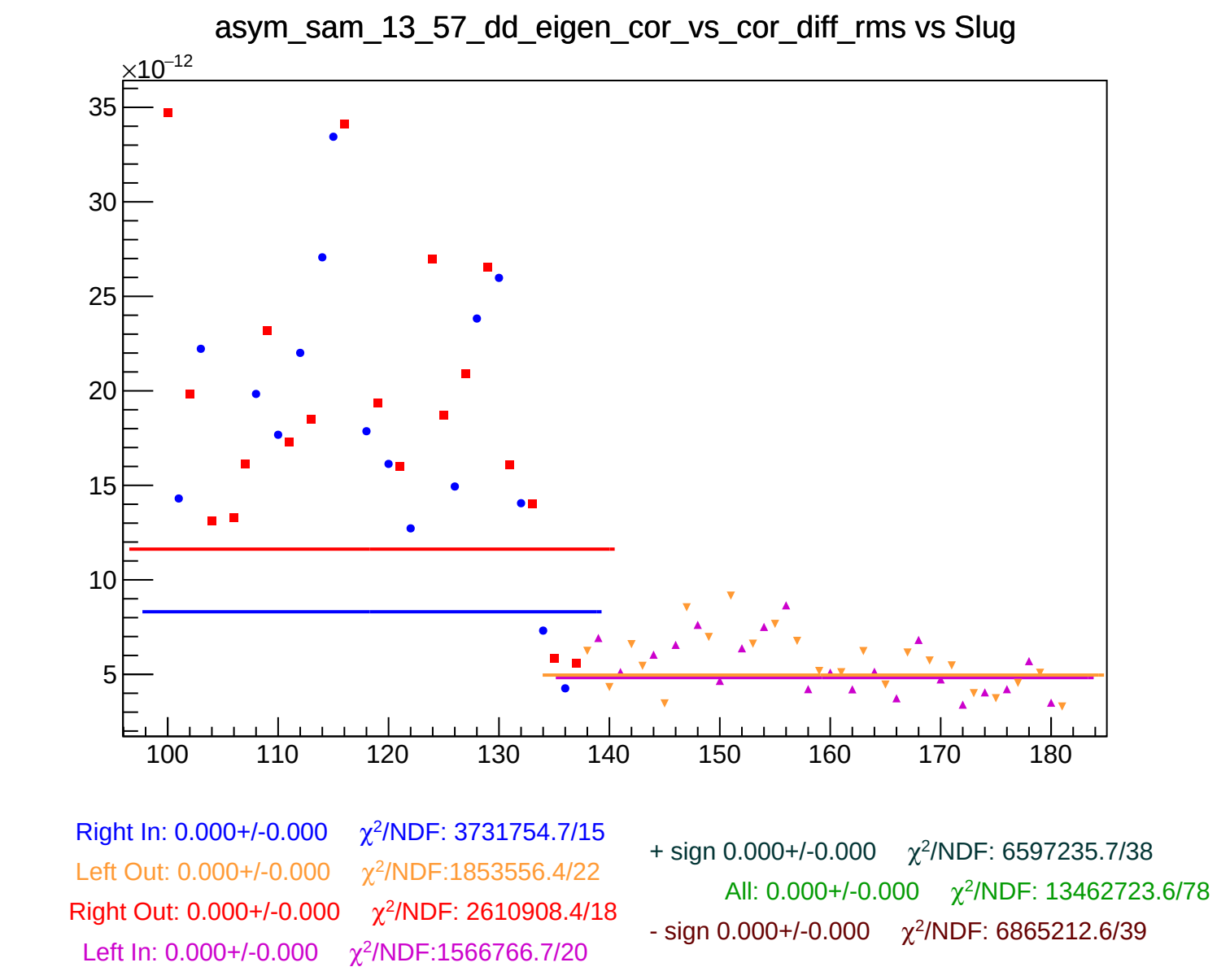
Right Out: 0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: -0.000+/-0.000 χ^2/NDF:16.5/20

+ sign -0.000+/-0.000 χ^2/NDF: 54.6/38

All: -0.000+/-0.000 χ^2/NDF: 89.7/78

- sign -0.000+/-0.000 χ^2/NDF: 34.1/39


asym_sam_13_57_dd_eigen_cor_vs_cor_diff_rms vs Slug
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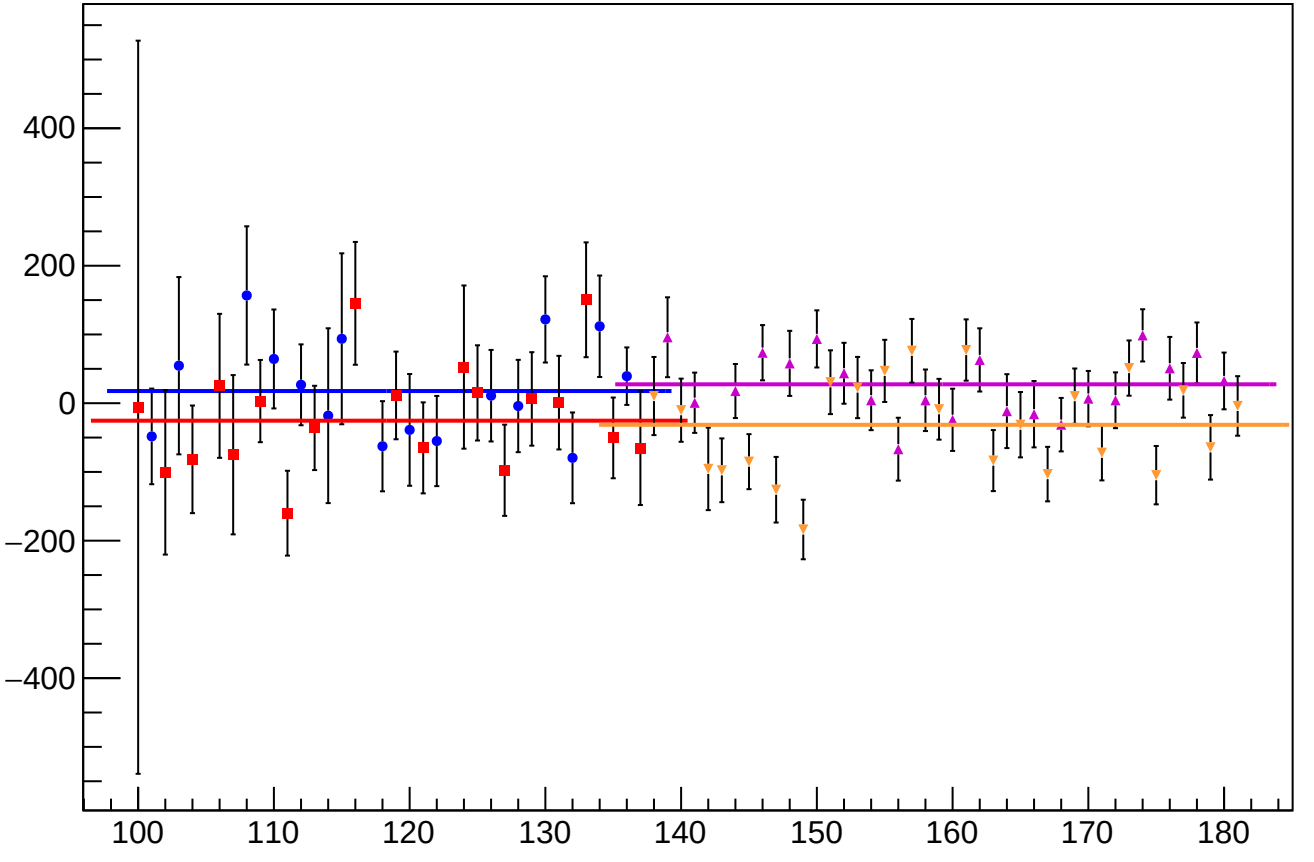
Right In: 0.000+/-0.000 χ²/NDF: 3731754.7/15
Left Out: 0.000+/-0.000 χ²/NDF:1853556.4/22
Right Out: 0.000+/-0.000 χ²/NDF: 2610908.4/18
Left In: 0.000+/-0.000 χ²/NDF:1566766.7/20
+ sign 0.000+/-0.000 χ²/NDF: 6597235.7/38
All: 0.000+/-0.000 χ²/NDF: 13462723.6/78
- sign 0.000+/-0.000 χ²/NDF: 6865212.6/39

reg_asym_sam_15_37_dd_mean vs Slug



Right In: 17.701+/-17.470 χ^2/NDF: 13.9/15

Left Out: -31.423+/-9.255 χ^2/NDF:56.3/22

Right Out: -25.440+/-17.337 χ^2/NDF: 17.8/18

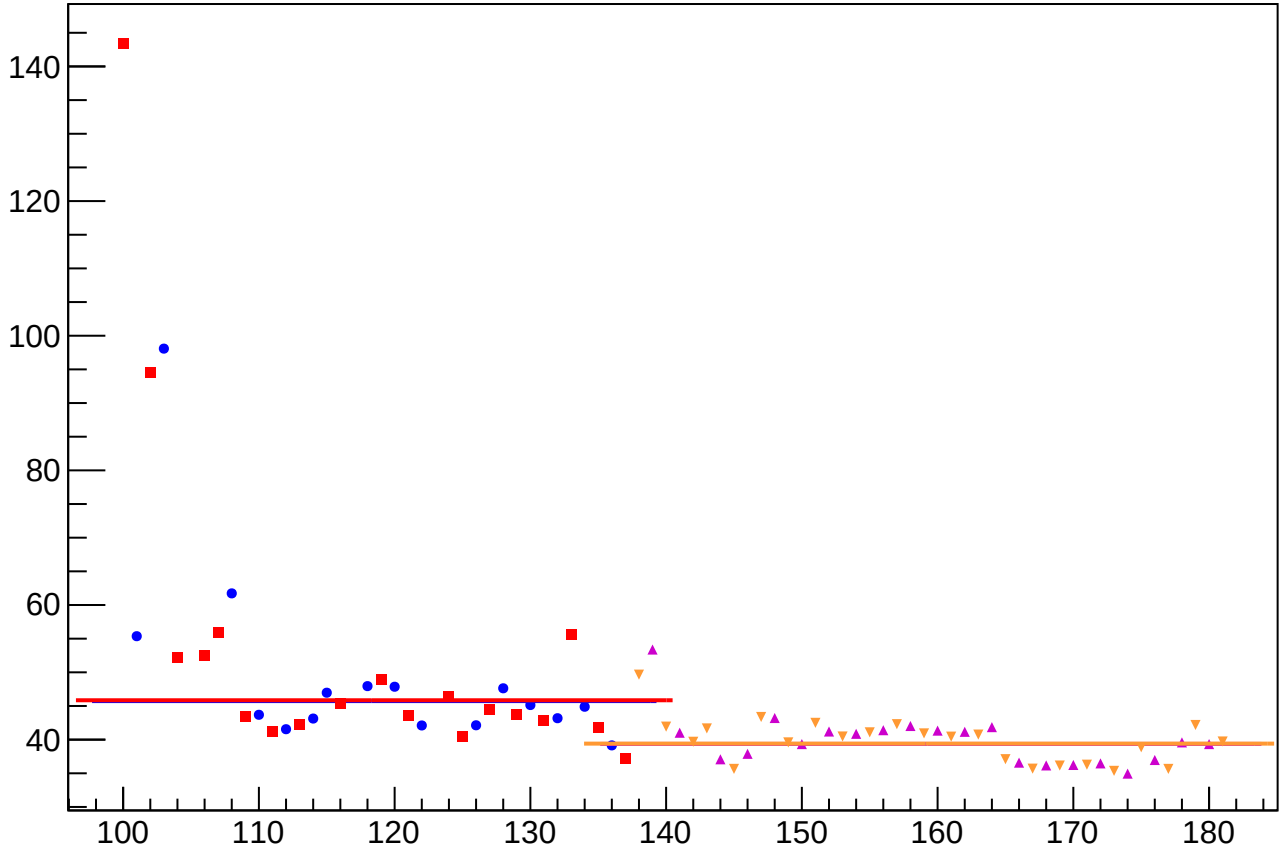
Left In: 27.477+/-9.530 χ^2/NDF:22.0/20

+ sign -20.657+/-8.178 χ^2/NDF: 76.4/38

All: -3.105+/-5.843 χ^2/NDF: 132.8/78

- sign 15.198+/-8.351 χ^2/NDF: 47.0/39

reg_asym_sam_15_37_dd_rms vs Slug



Right In: 45.727+/-0.012 χ^2/NDF: 501460.7/15

Left Out: 39.409+/-0.007 χ^2/NDF:225940.4/22

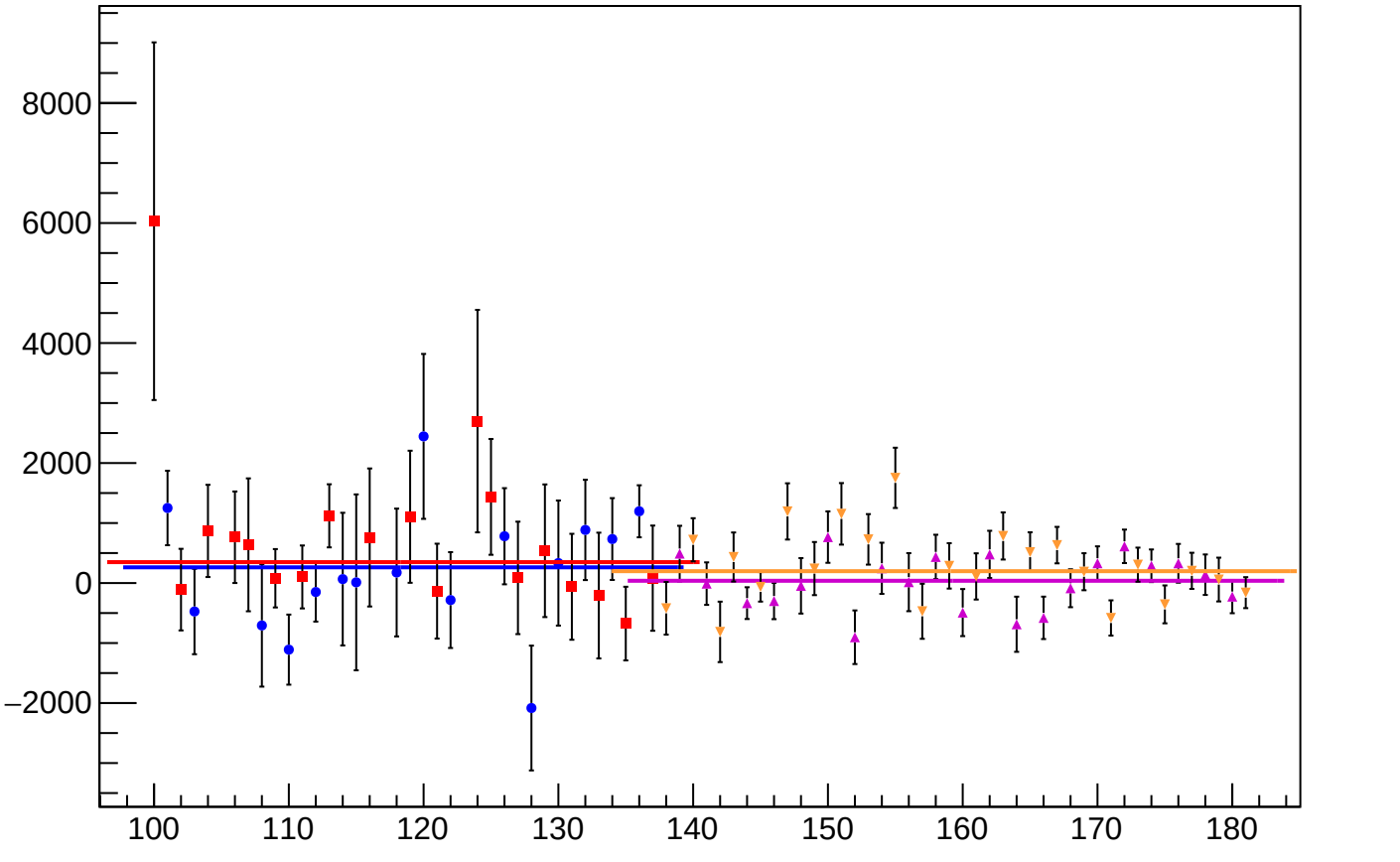
Right Out: 45.849+/-0.012 χ^2/NDF: 540156.7/18

Left In: 39.362+/-0.007 χ^2/NDF:244827.8/20

+ sign 40.794+/-0.006 χ^2/NDF: 931634.8/38

All: 40.830+/-0.004 χ^2/NDF: 1931775.7/78

- sign 40.867+/-0.006 χ^2/NDF: 1000061.7/39



Right In: 261.943+/-185.211 χ^2/NDF: 25.0/15

Left Out: 197.859+/-73.433 χ^2/NDF:48.5/22

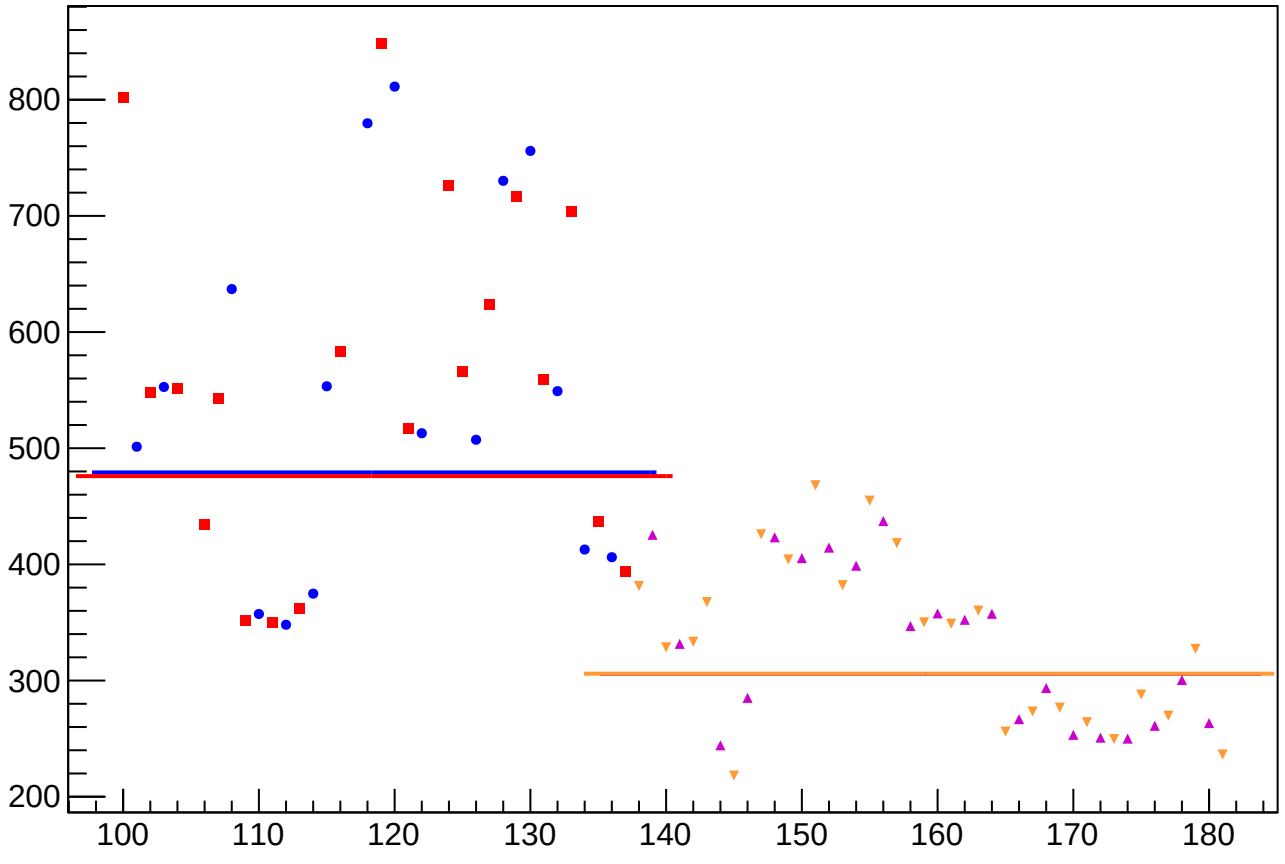
Right Out: 348.685+/-180.682 χ^2/NDF: 14.9/18

Left In: 37.853+/-75.361 χ^2/NDF:29.7/20

+ sign 206.565+/-68.263 χ^2/NDF: 73.6/38

All: 146.388+/-48.719 χ^2/NDF: 122.3/78

- sign 83.914+/-69.553 χ^2/NDF: 47.1/39



Right In: 479.178+/-0.131 χ^2/NDF: 952693.7/15

Left Out: 305.903+/-0.052 χ^2/NDF:1647953.2/22

Right Out: 475.992+/-0.128 χ^2/NDF: 1006487.7/18

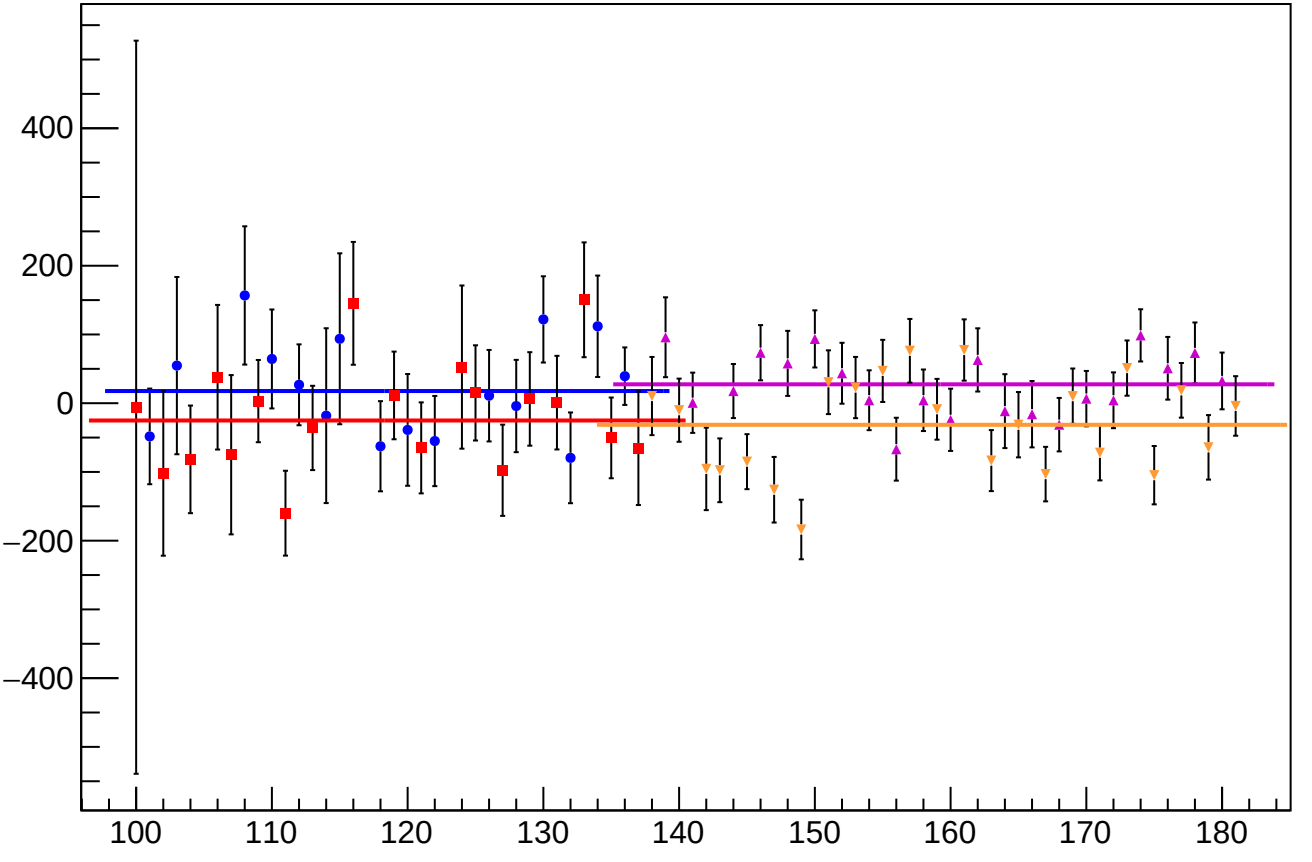
Left In: 305.629+/-0.053 χ^2/NDF:1317501.2/20

+ sign 329.441+/-0.048 χ^2/NDF: 4113375.9/38

All: 330.144+/-0.034 χ^2/NDF: 7952384.9/78

- sign 330.874+/-0.049 χ^2/NDF: 3838576.1/39

cor_asym_sam_15_37_dd_mean vs Slug



Right In: 17.706+/-17.470 χ^2/NDF: 13.9/15

Left Out: -31.424+/-9.255 χ^2/NDF:56.3/22

Right Out: -25.145+/-17.339 χ^2/NDF: 18.0/18

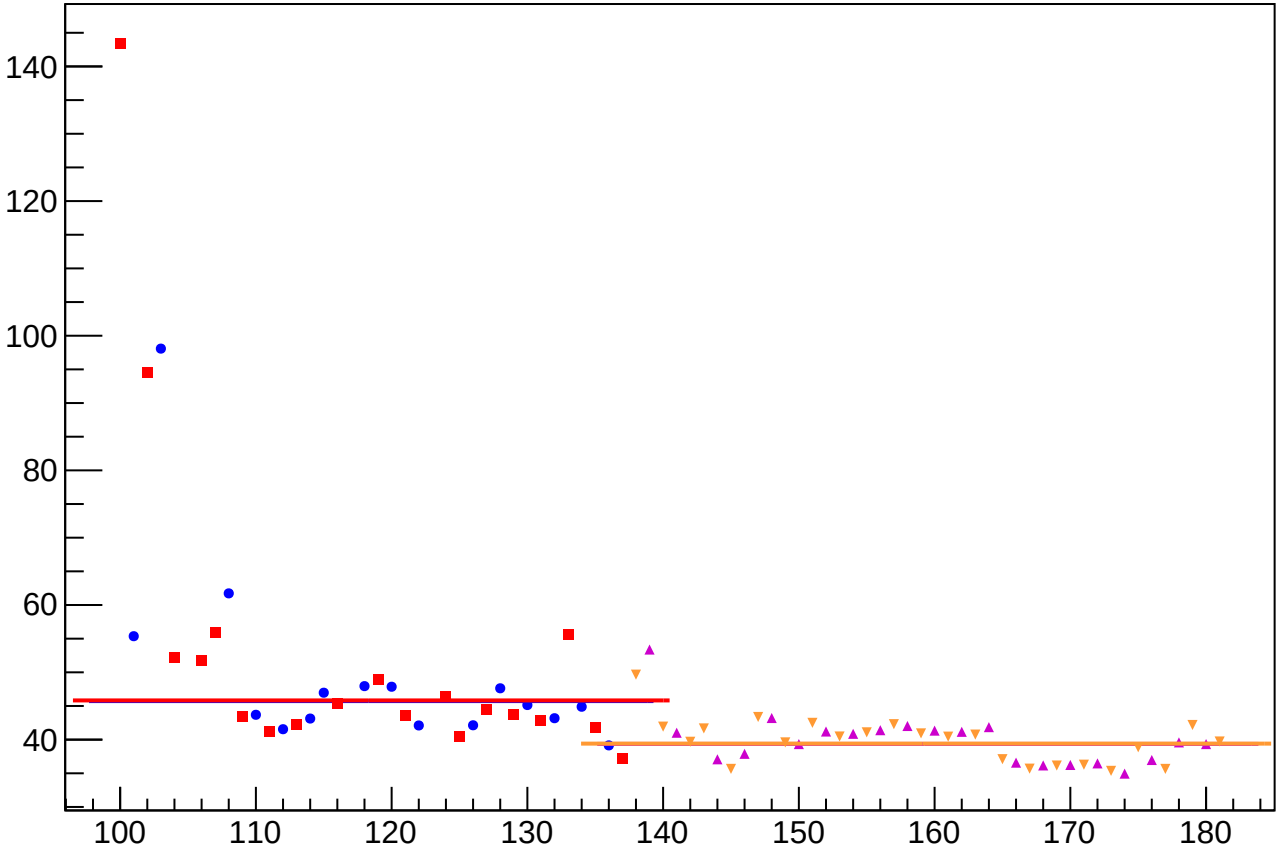
Left In: 27.477+/-9.530 χ^2/NDF:22.0/20

+ sign -20.657+/-8.178 χ^2/NDF: 76.4/38

All: -3.070+/-5.843 χ^2/NDF: 132.9/78

- sign 15.269+/-8.352 χ^2/NDF: 47.0/39

cor_asym_sam_15_37_dd_rms vs Slug



Right In: 45.727+/-0.012 χ^2/NDF: 501463.8/15

Left Out: 39.409+/-0.007 χ^2/NDF:225940.4/22

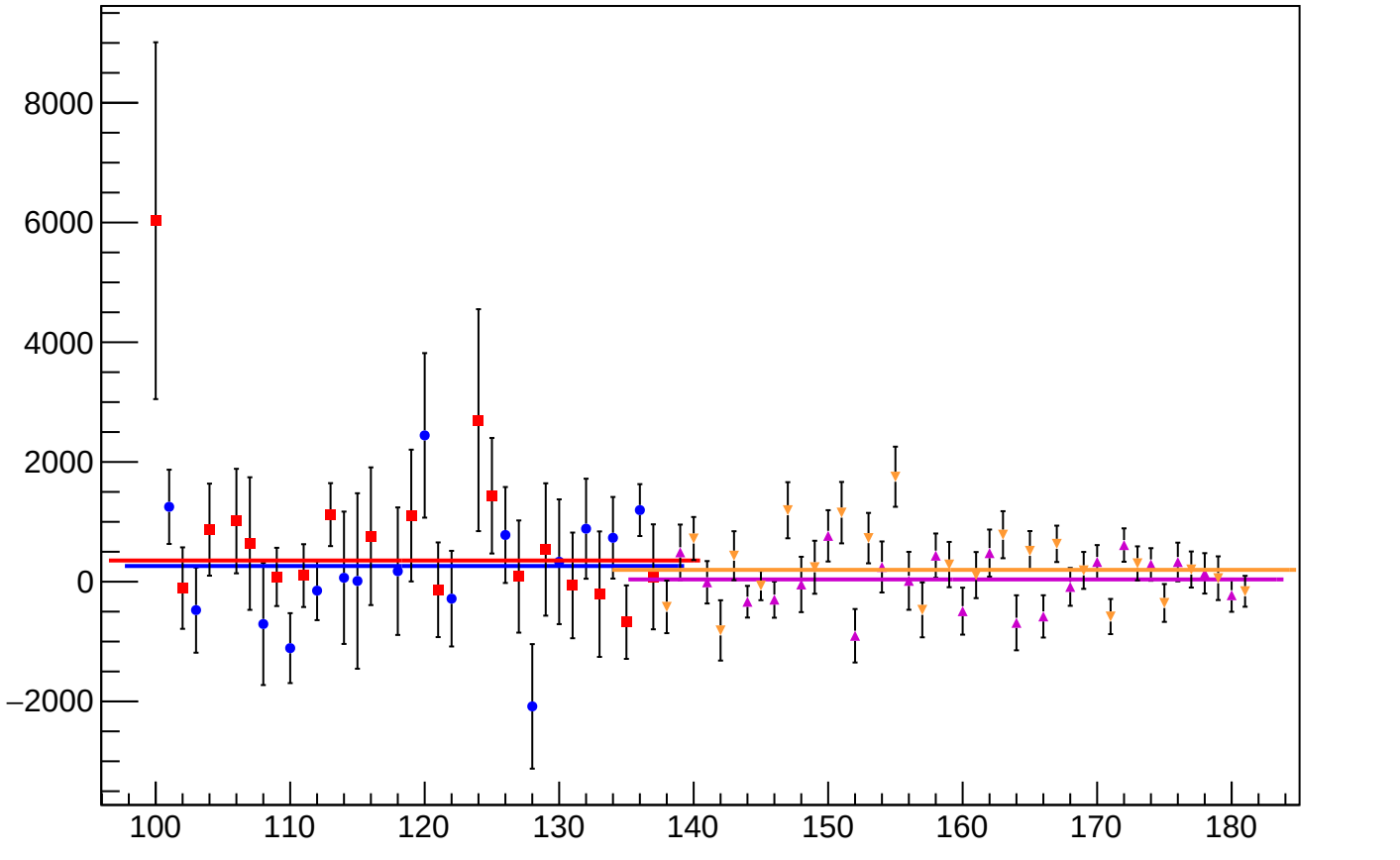
Right Out: 45.825+/-0.012 χ^2/NDF: 538470.5/18

Left In: 39.362+/-0.007 χ^2/NDF:244827.8/20

+ sign 40.794+/-0.006 χ^2/NDF: 931637.7/38

All: 40.827+/-0.004 χ^2/NDF: 1928458.3/78

- sign 40.861+/-0.006 χ^2/NDF: 996753.5/39



Right In: 261.947+/-185.212 χ^2/NDF: 25.0/15

Left Out: 197.857+/-73.433 χ^2/NDF:48.5/22

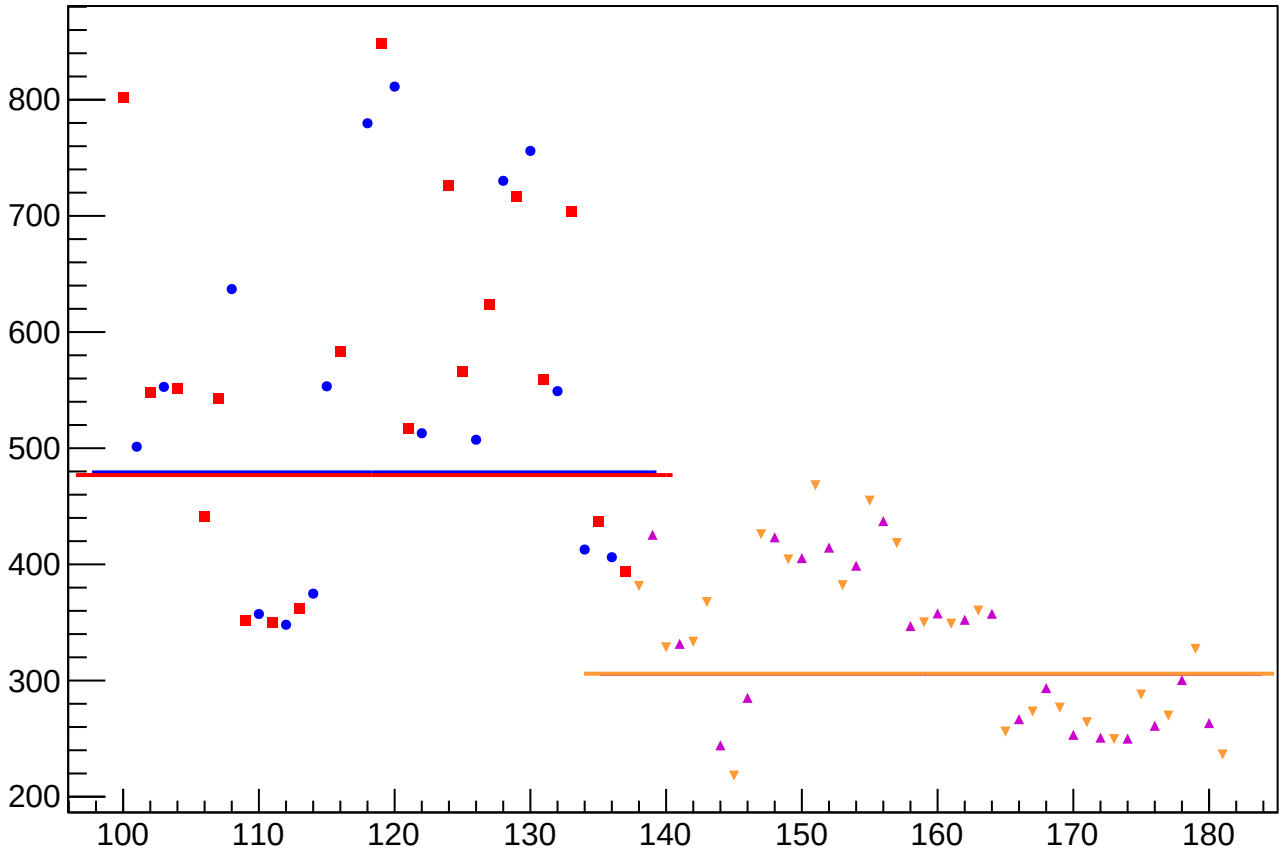
Right Out: 354.204+/-181.903 χ^2/NDF: 15.2/18

Left In: 37.852+/-75.361 χ^2/NDF:29.7/20

+ sign 206.563+/-68.263 χ^2/NDF: 73.6/38

All: 146.586+/-48.743 χ^2/NDF: 122.7/78

- sign 84.195+/-69.622 χ^2/NDF: 47.5/39



Right In: 479.180+/-0.131 χ^2/NDF: 952722.6/15

Left Out: 305.903+/-0.052 χ^2/NDF:1647949.4/22

Right Out: 476.893+/-0.129 χ^2/NDF: 1003767.4/18

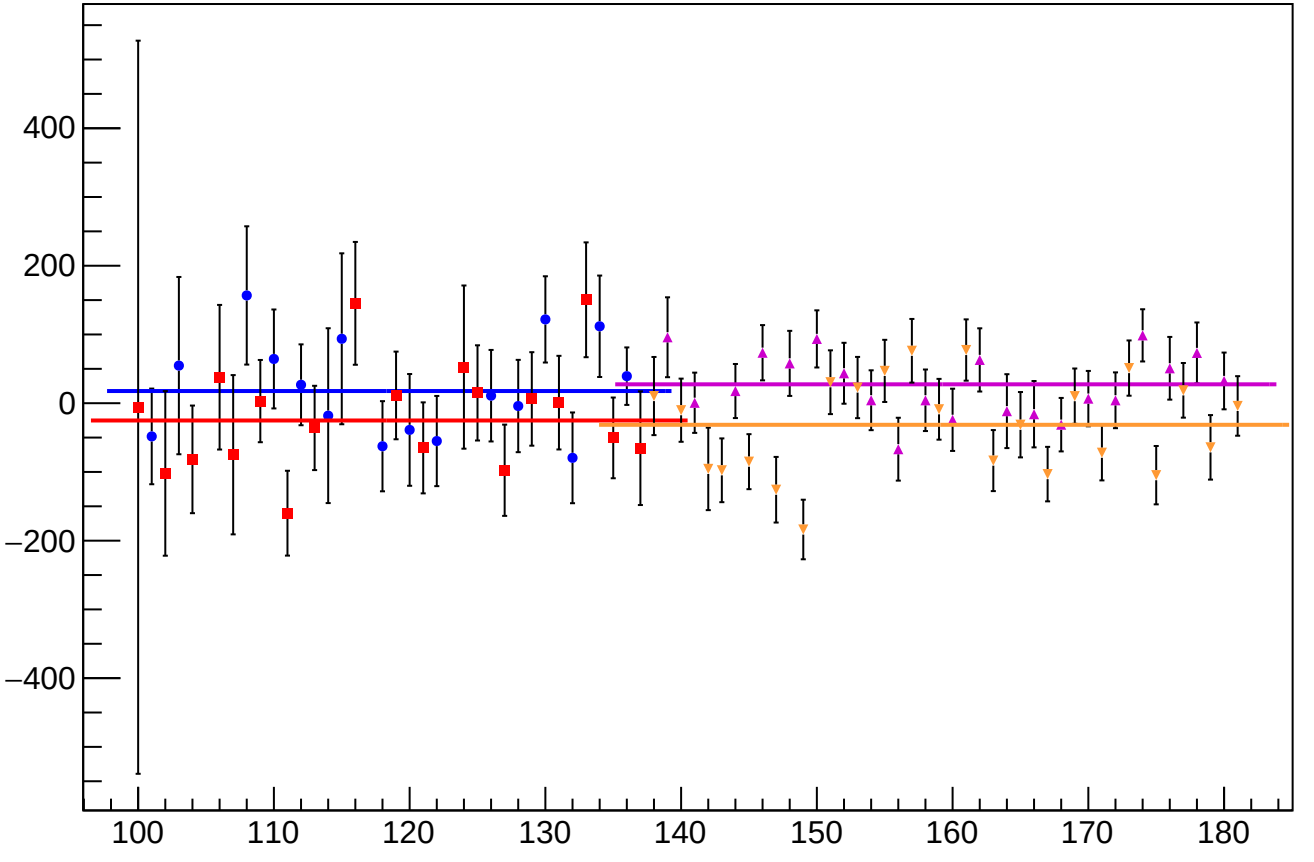
Left In: 305.629+/-0.053 χ^2/NDF:1317510.8/20

+ sign 329.441+/-0.048 χ^2/NDF: 4113424.0/38

All: 330.067+/-0.034 χ^2/NDF: 7948222.8/78

- sign 330.718+/-0.049 χ^2/NDF: 3834455.7/39

eigen_cor_asym_sam_15_37_dd_mean vs Slug



Right In: 17.706+/-17.470 χ^2/NDF: 13.9/15

Left Out: -31.424+/-9.255 χ^2/NDF:56.3/22

Right Out: -25.145+/-17.339 χ^2/NDF: 18.0/18

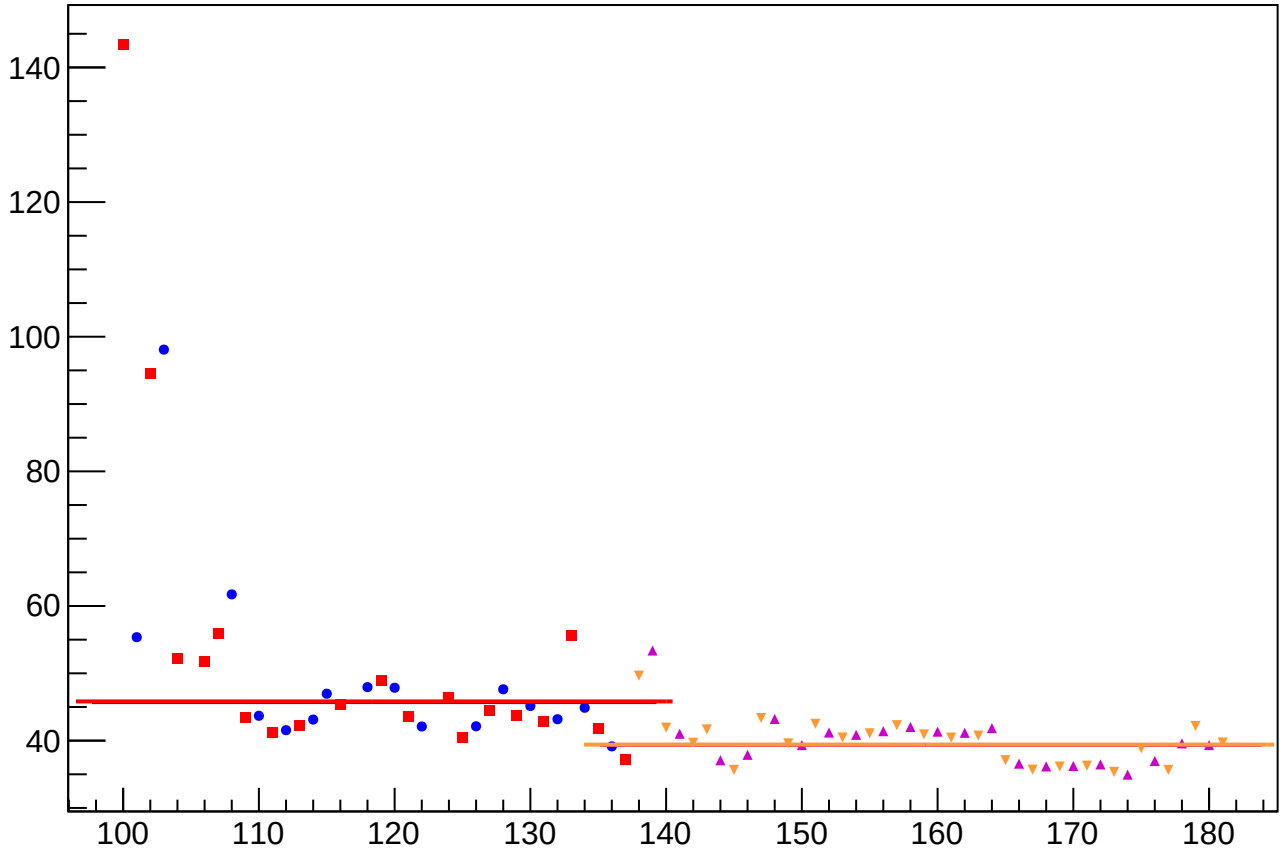
Left In: 27.477+/-9.530 χ^2/NDF:22.0/20

+ sign -20.657+/-8.178 χ^2/NDF: 76.4/38

All: -3.070+/-5.843 χ^2/NDF: 132.9/78

- sign 15.269+/-8.352 χ^2/NDF: 47.0/39

eigen_cor_asym_sam_15_37_dd_rms vs Slug



Right In: 45.727+/-0.012 χ^2/NDF: 501463.8/15

Left Out: 39.409+/-0.007 χ^2/NDF:225940.4/22

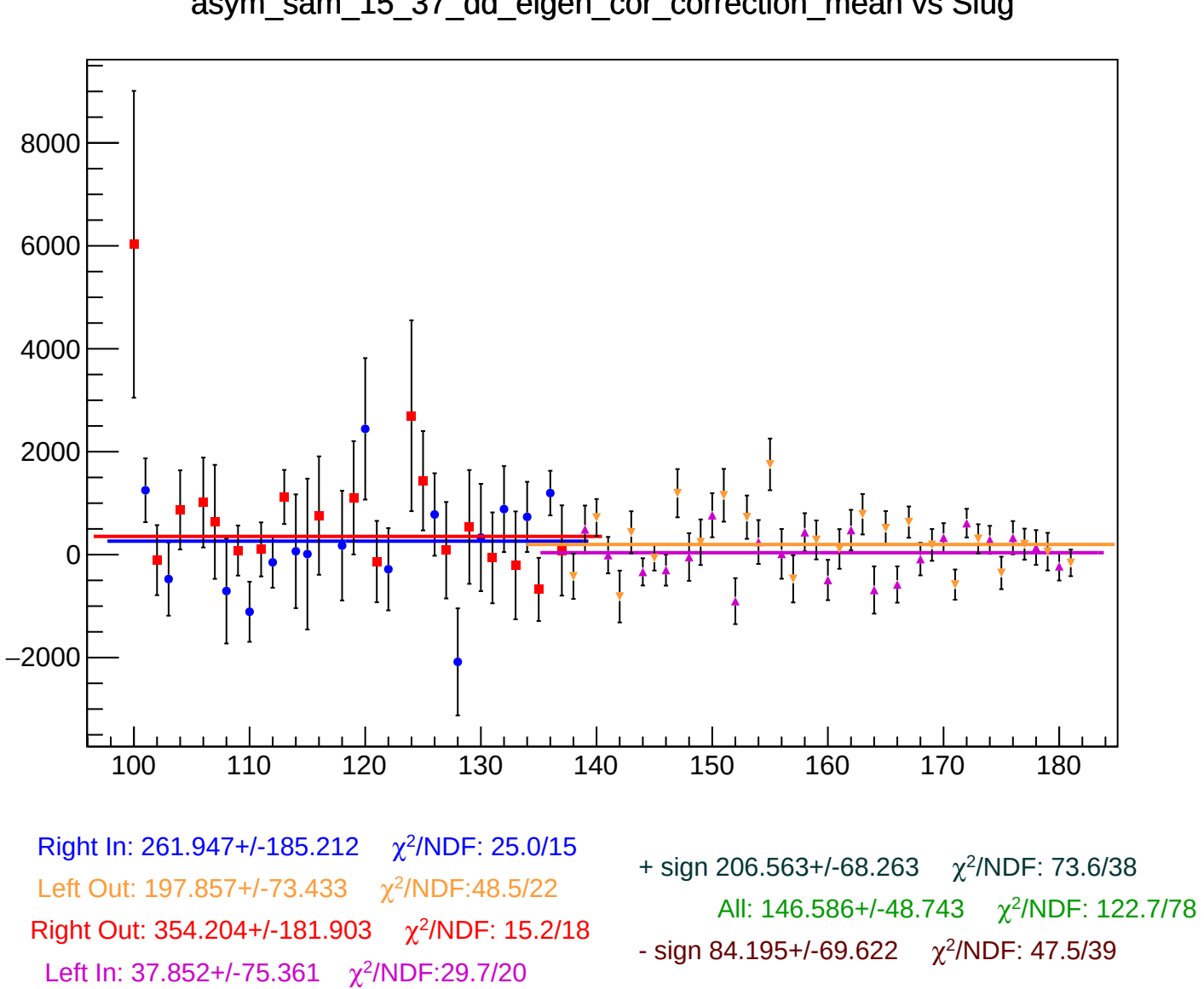
Right Out: 45.825+/-0.012 χ^2/NDF: 538470.5/18

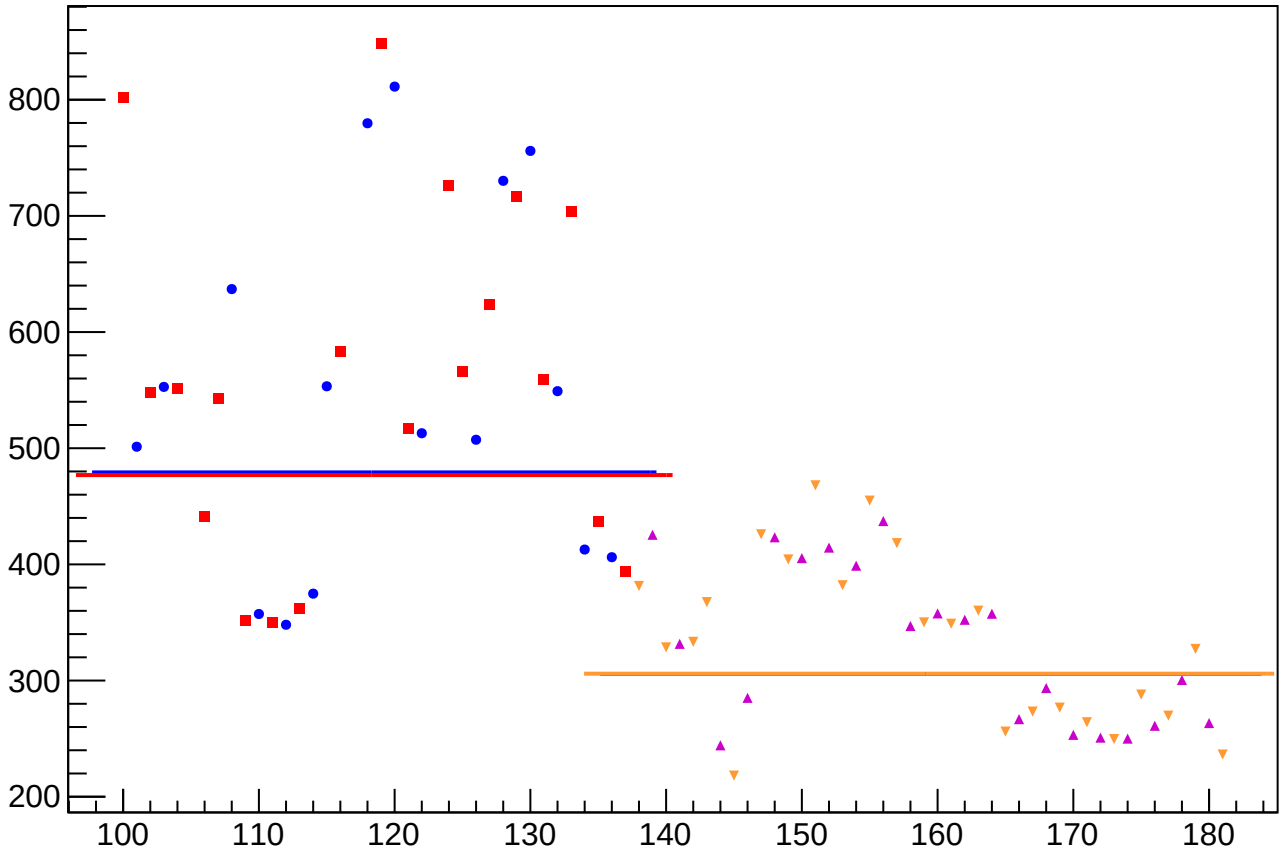
Left In: 39.362+/-0.007 χ^2/NDF:244827.8/20

+ sign 40.794+/-0.006 χ^2/NDF: 931637.7/38

All: 40.827+/-0.004 χ^2/NDF: 1928458.3/78

- sign 40.861+/-0.006 χ^2/NDF: 996753.5/39


asym_sam_15_37_dd_eigen_cor_correction_mean vs Slug
8000
6000
4000
2000
0
−2000
100
110
120
130
140
150
160
170
180
Right In: 261.947+/-185.212 χ²/NDF: 25.0/15
Left Out: 197.857+/-73.433 χ²/NDF:48.5/22
Right Out: 354.204+/-181.903 χ²/NDF: 15.2/18
Left In: 37.852+/-75.361 χ²/NDF:29.7/20
+ sign 206.563+/-68.263 χ²/NDF: 73.6/38
All: 146.586+/-48.743 χ²/NDF: 122.7/78
- sign 84.195+/-69.622 χ²/NDF: 47.5/39



Right In: 479.180+/-0.131 χ^2/NDF: 952722.6/15

Left Out: 305.903+/-0.052 χ^2/NDF:1647949.4/22

Right Out: 476.893+/-0.129 χ^2/NDF: 1003767.4/18

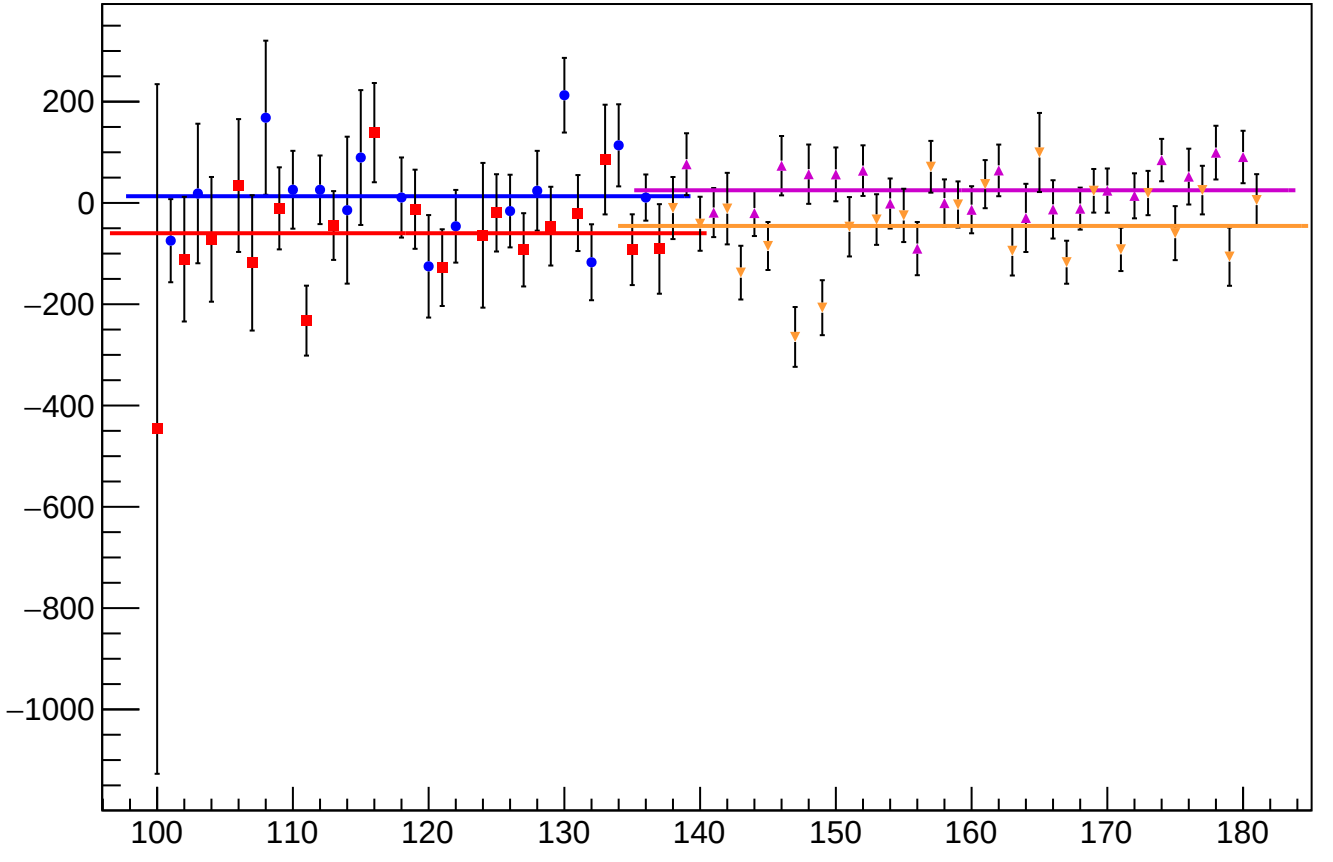
Left In: 305.629+/-0.053 χ^2/NDF:1317510.8/20

+ sign 329.441+/-0.048 χ^2/NDF: 4113424.0/38

All: 330.067+/-0.034 χ^2/NDF: 7948222.8/78

- sign 330.718+/-0.049 χ^2/NDF: 3834455.7/39

dit_asym_sam_15_37_dd_mean vs Slug



Right In: 13.266+/-19.849 χ^2/NDF: 17.2/15

Left Out: -45.407+/-10.647 χ^2/NDF:53.9/22

Right Out: -59.810+/-20.234 χ^2/NDF: 16.1/18

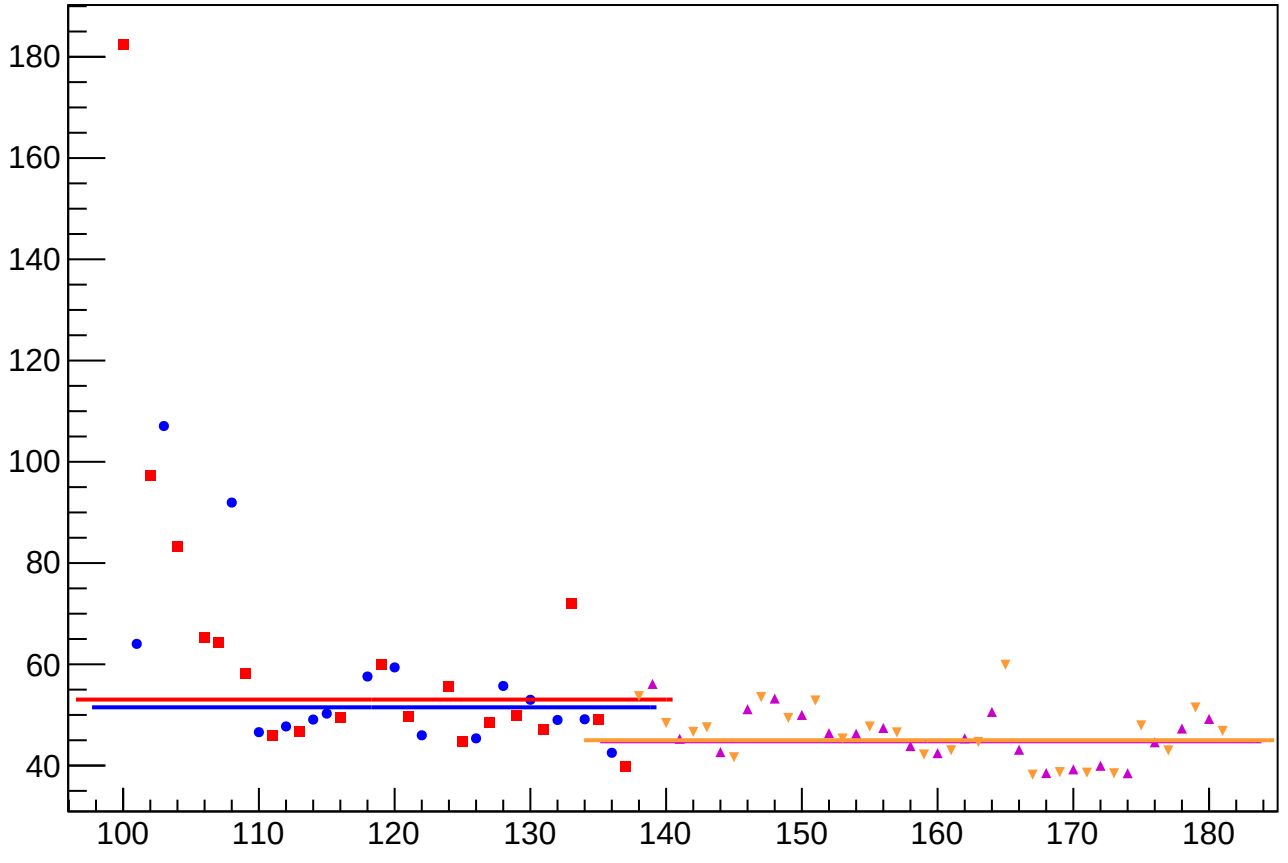
Left In: 25.012+/-10.940 χ^2/NDF:18.9/20

+ sign -32.297+/-9.383 χ^2/NDF: 77.9/38

All: -13.718+/-6.718 χ^2/NDF: 134.5/78

- sign 5.826+/-9.623 χ^2/NDF: 48.6/39

dit_asym_sam_15_37_dd_rms vs Slug



Right In: 51.506+/-0.014 χ^2/NDF: 667059.0/15

Left Out: 45.001+/-0.008 χ^2/NDF:466875.3/22

Right Out: 53.037+/-0.014 χ^2/NDF: 712908.4/18

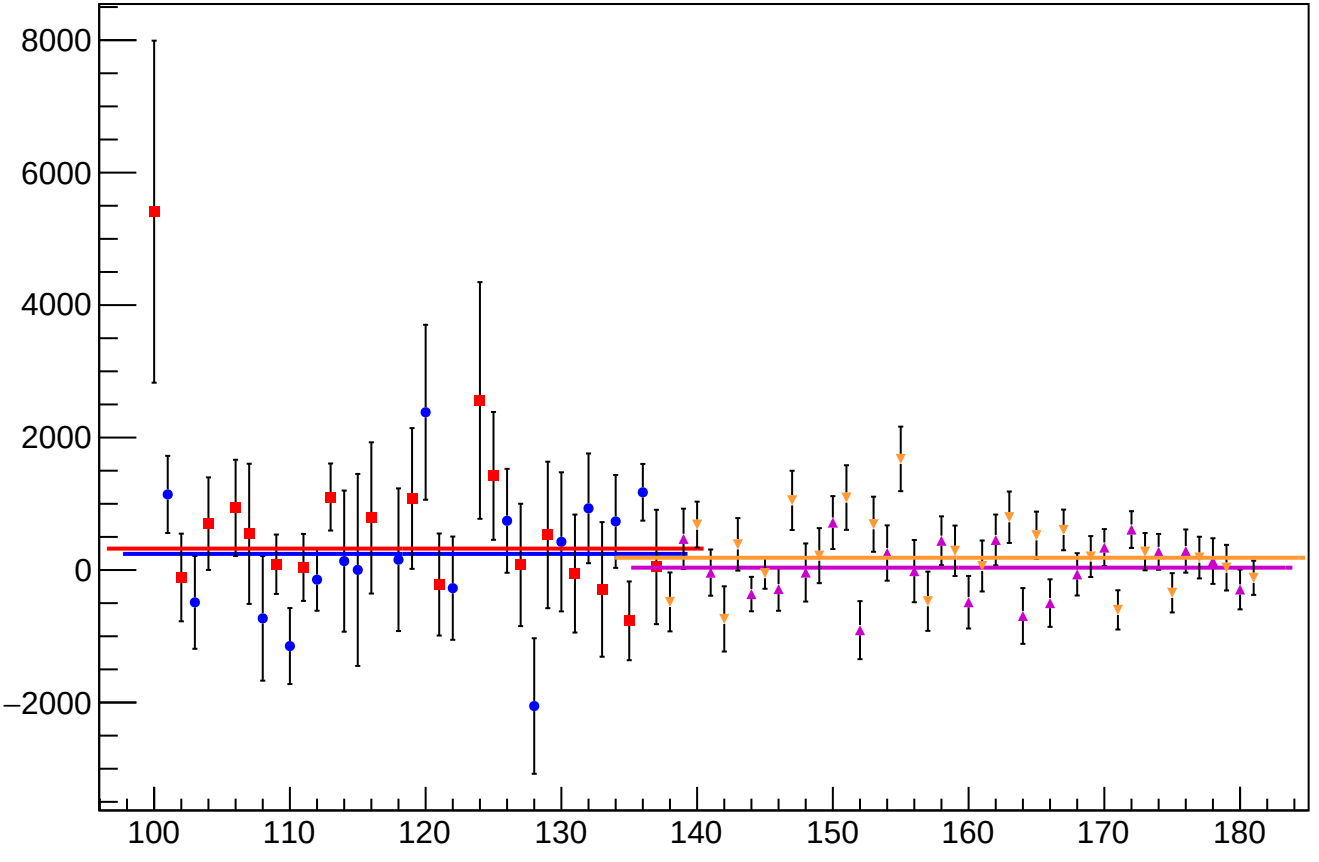
Left In: 44.788+/-0.008 χ^2/NDF:355309.9/20

+ sign 46.455+/-0.007 χ^2/NDF: 1300709.7/38

All: 46.552+/-0.005 χ^2/NDF: 2626598.8/78

- sign 46.654+/-0.007 χ^2/NDF: 1325447.8/39

asym_sam_15_37_dd_dit_correction_mean vs Slug



Right In: 243.828+/-180.872 χ^2/NDF: 25.6/15

Left Out: 185.391+/-72.540 χ^2/NDF:46.7/22

Right Out: 323.628+/-173.632 χ^2/NDF: 16.5/18

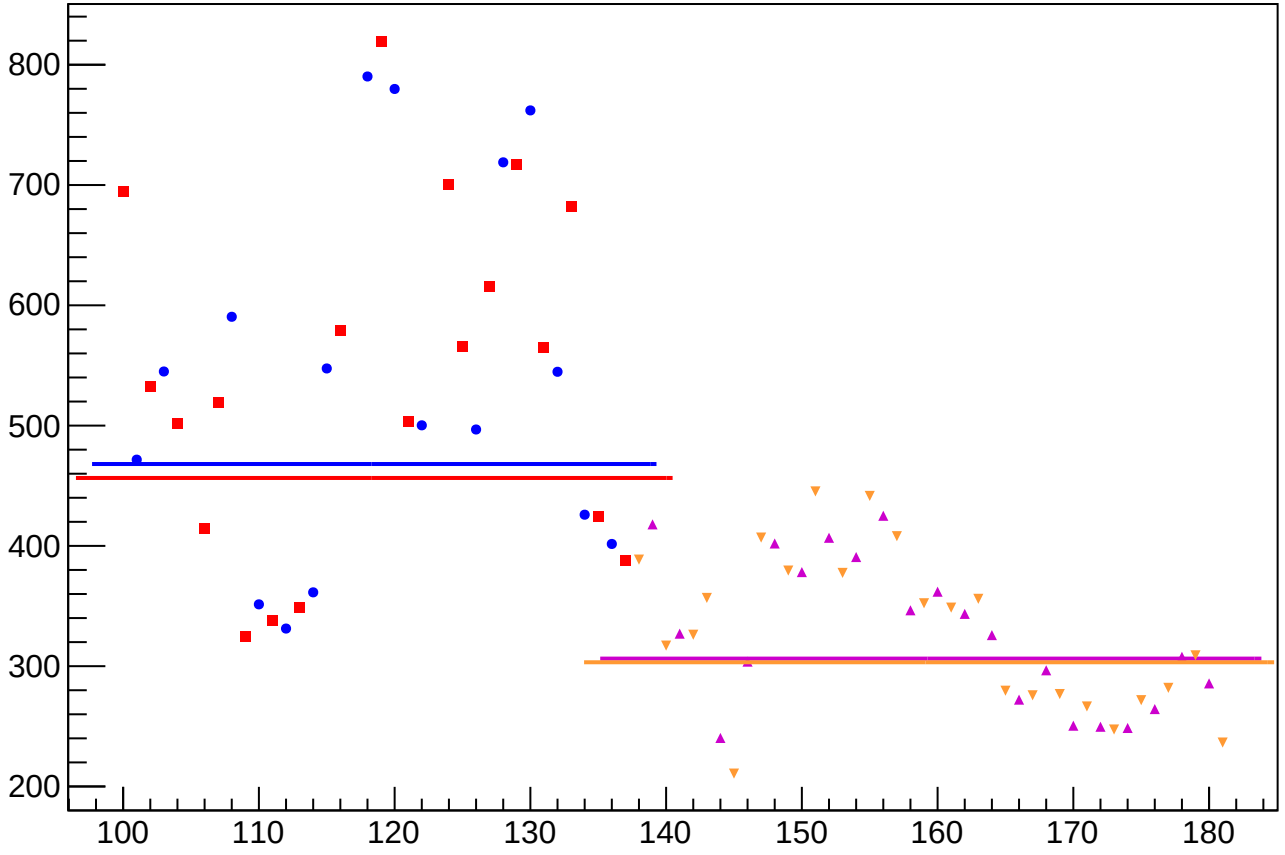
Left In: 35.811+/-75.316 χ^2/NDF:29.7/20

+ sign 193.488+/-67.327 χ^2/NDF: 72.4/38

All: 138.891+/-48.220 χ^2/NDF: 122.2/78

- sign 81.389+/-69.095 χ^2/NDF: 48.5/39

asym_sam_15_37_dd_dit_correction_rms vs Slug



Right In: 468.066+/-0.128 χ^2/NDF: 982915.0/15

Left Out: 303.249+/-0.051 χ^2/NDF:1517831.4/22

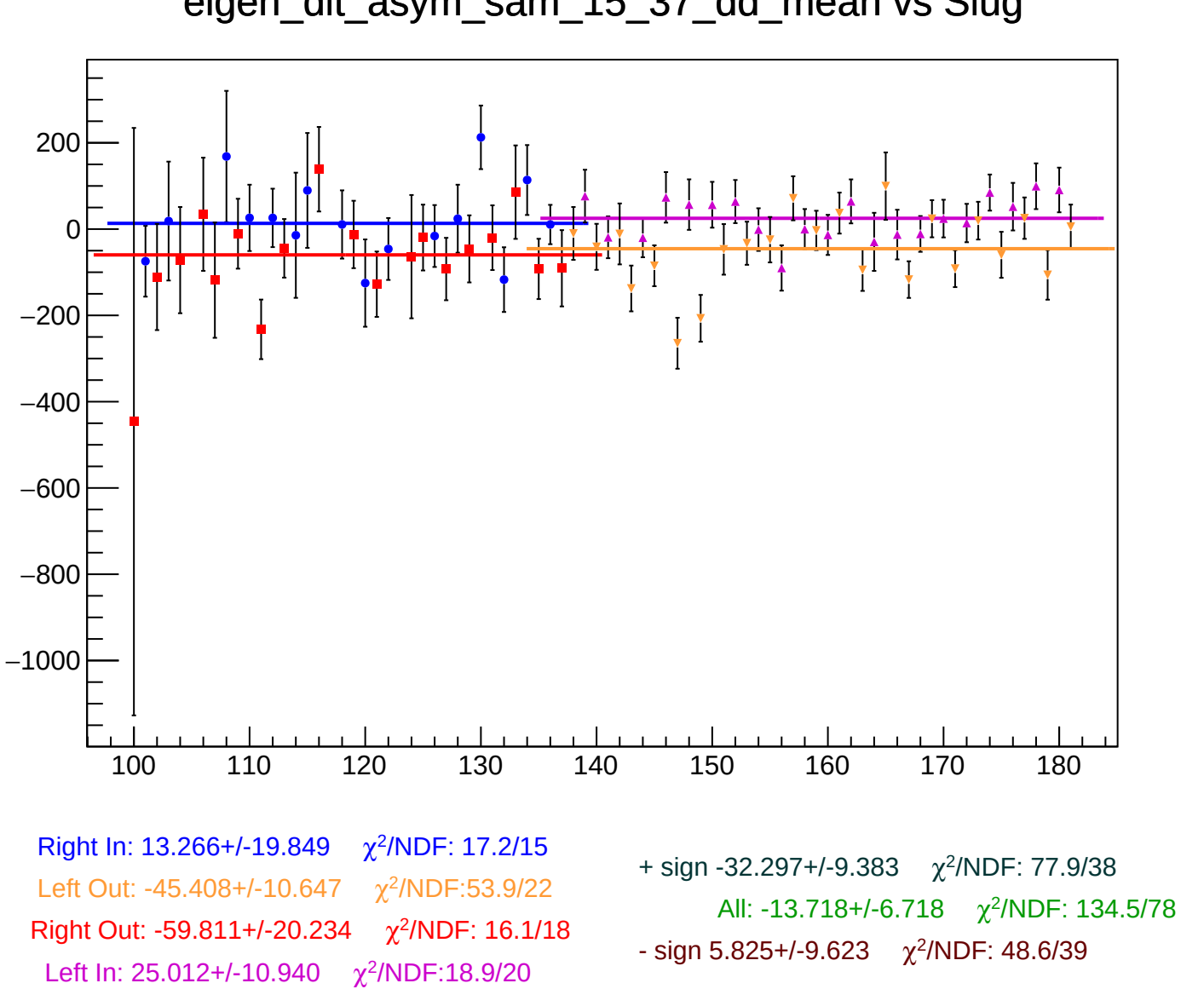
Right Out: 456.468+/-0.123 χ^2/NDF: 1082568.2/18

Left In: 306.298+/-0.053 χ^2/NDF:1133539.9/20

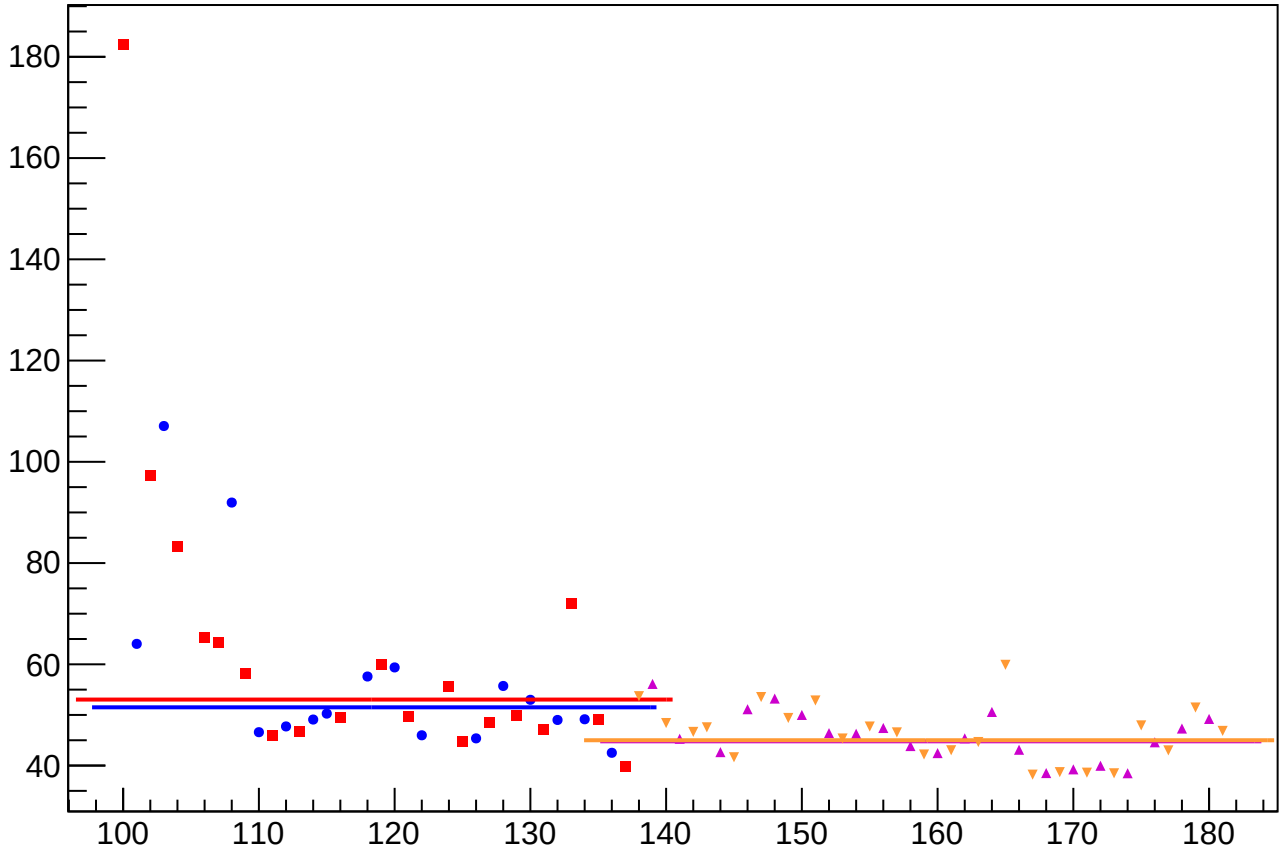
+ sign 326.086+/-0.048 χ^2/NDF: 3931338.1/38

All: 328.030+/-0.034 χ^2/NDF: 7409986.9/78

- sign 330.079+/-0.049 χ^2/NDF: 3475222.7/39


eigen_dit_asym_sam_15_37_dd_mean vs Slug
200
0
−200
−400
−600
−800
−1000
100
110
120
130
140
150
160
170
180
Right In: 13.266+/-19.849 χ²/NDF: 17.2/15
Left Out: -45.408+/-10.647 χ²/NDF:53.9/22
Right Out: -59.811+/-20.234 χ²/NDF: 16.1/18
Left In: 25.012+/-10.940 χ²/NDF:18.9/20
+ sign -32.297+/-9.383 χ²/NDF: 77.9/38
All: -13.718+/-6.718 χ²/NDF: 134.5/78
- sign 5.825+/-9.623 χ²/NDF: 48.6/39

eigen_dit_asym_sam_15_37_dd_rms vs Slug



Right In: 51.506+/-0.014 χ^2/NDF: 667064.6/15

Left Out: 45.001+/-0.008 χ^2/NDF:466875.7/22

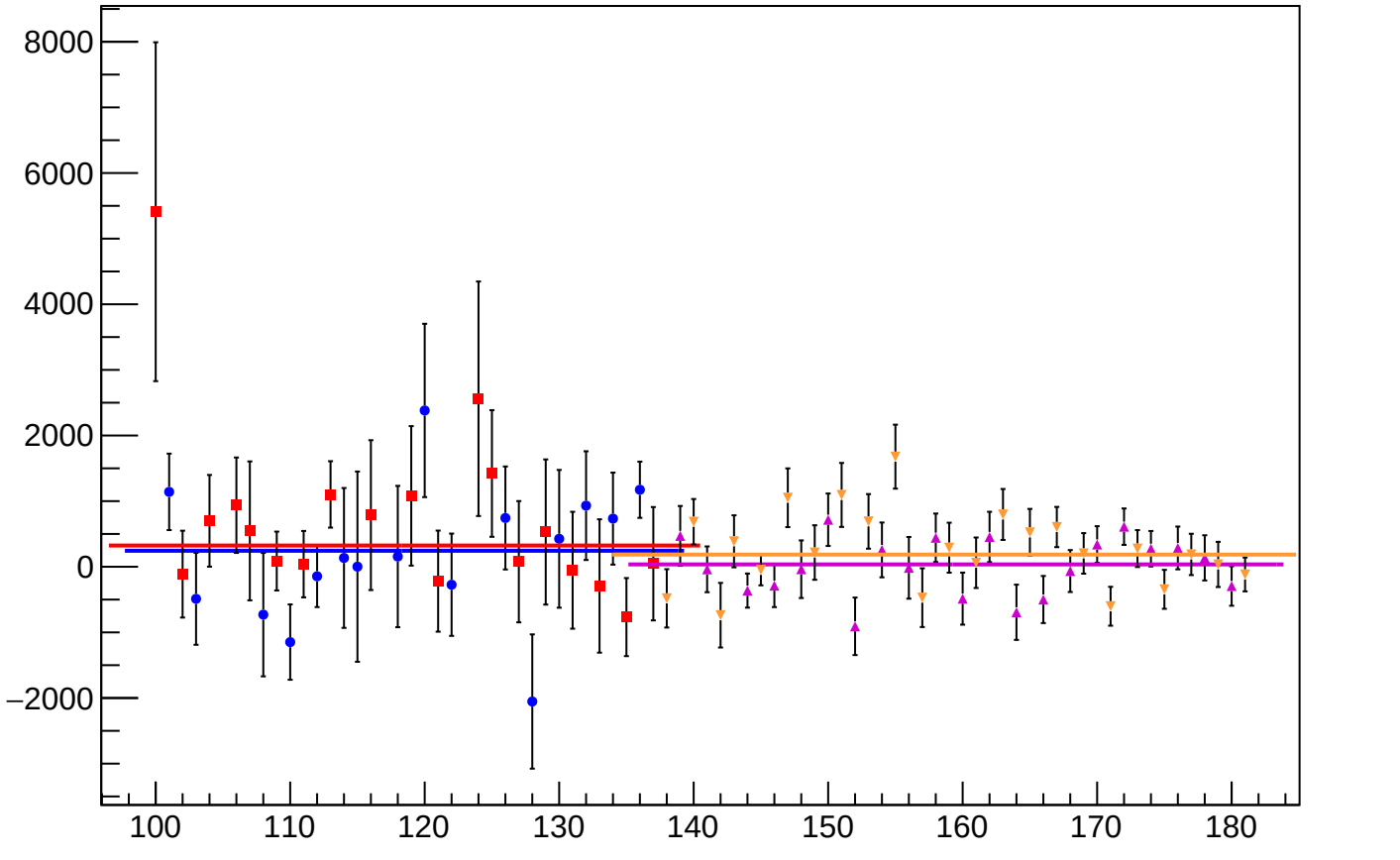
Right Out: 53.037+/-0.014 χ^2/NDF: 712918.4/18

Left In: 44.788+/-0.008 χ^2/NDF:355311.8/20

+ sign 46.455+/-0.007 χ^2/NDF: 1300716.1/38

All: 46.552+/-0.005 χ^2/NDF: 2626616.8/78

- sign 46.654+/-0.007 χ^2/NDF: 1325459.3/39



Right In: 243.826+/-180.872 χ^2/NDF: 25.6/15

Left Out: 185.391+/-72.540 χ^2/NDF:46.7/22

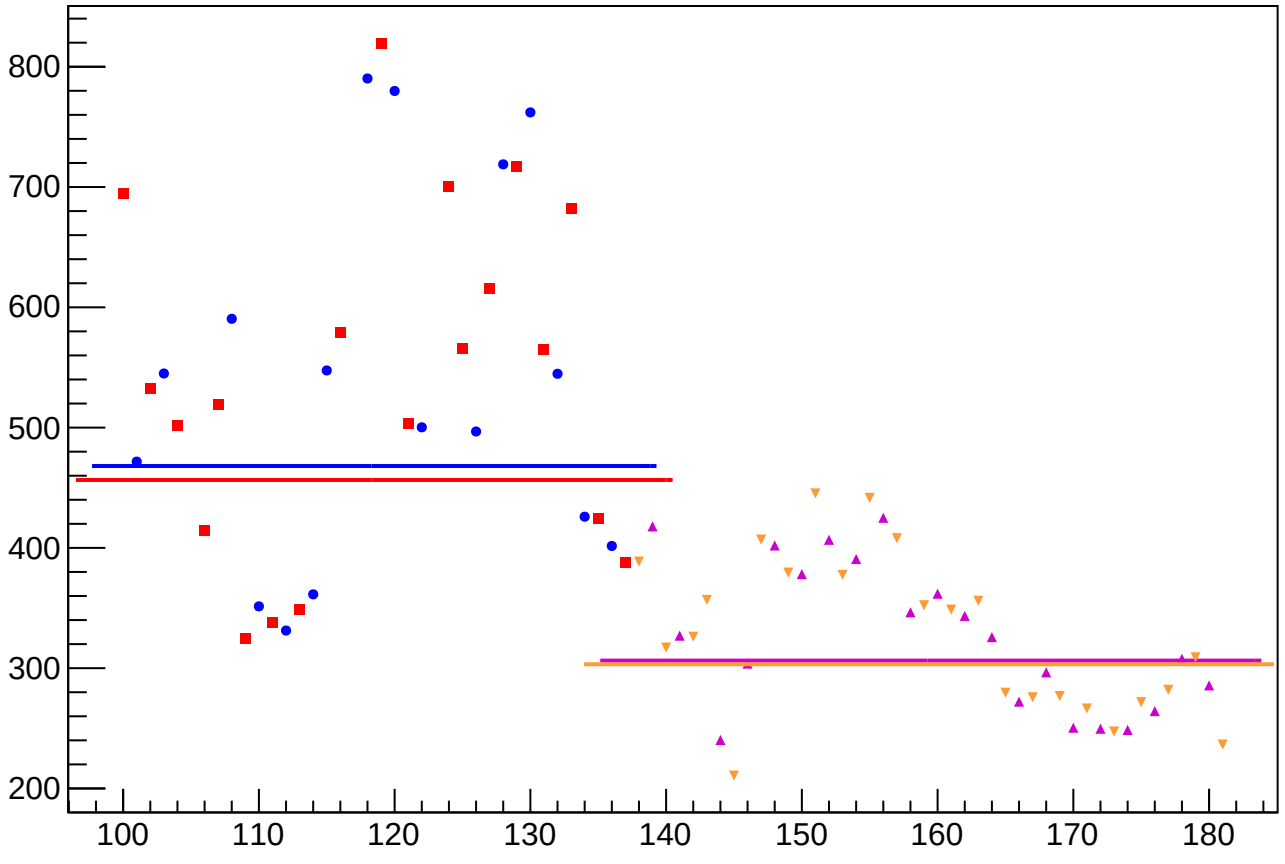
Right Out: 323.628+/-173.631 χ^2/NDF: 16.5/18

Left In: 35.811+/-75.316 χ^2/NDF:29.7/20

+ sign 193.488+/-67.327 χ^2/NDF: 72.4/38

All: 138.891+/-48.220 χ^2/NDF: 122.2/78

- sign 81.389+/-69.095 χ^2/NDF: 48.5/39



Right In: 468.065+/-0.128 χ^2/NDF: 982915.8/15

Left Out: 303.249+/-0.051 χ^2/NDF:1517832.5/22

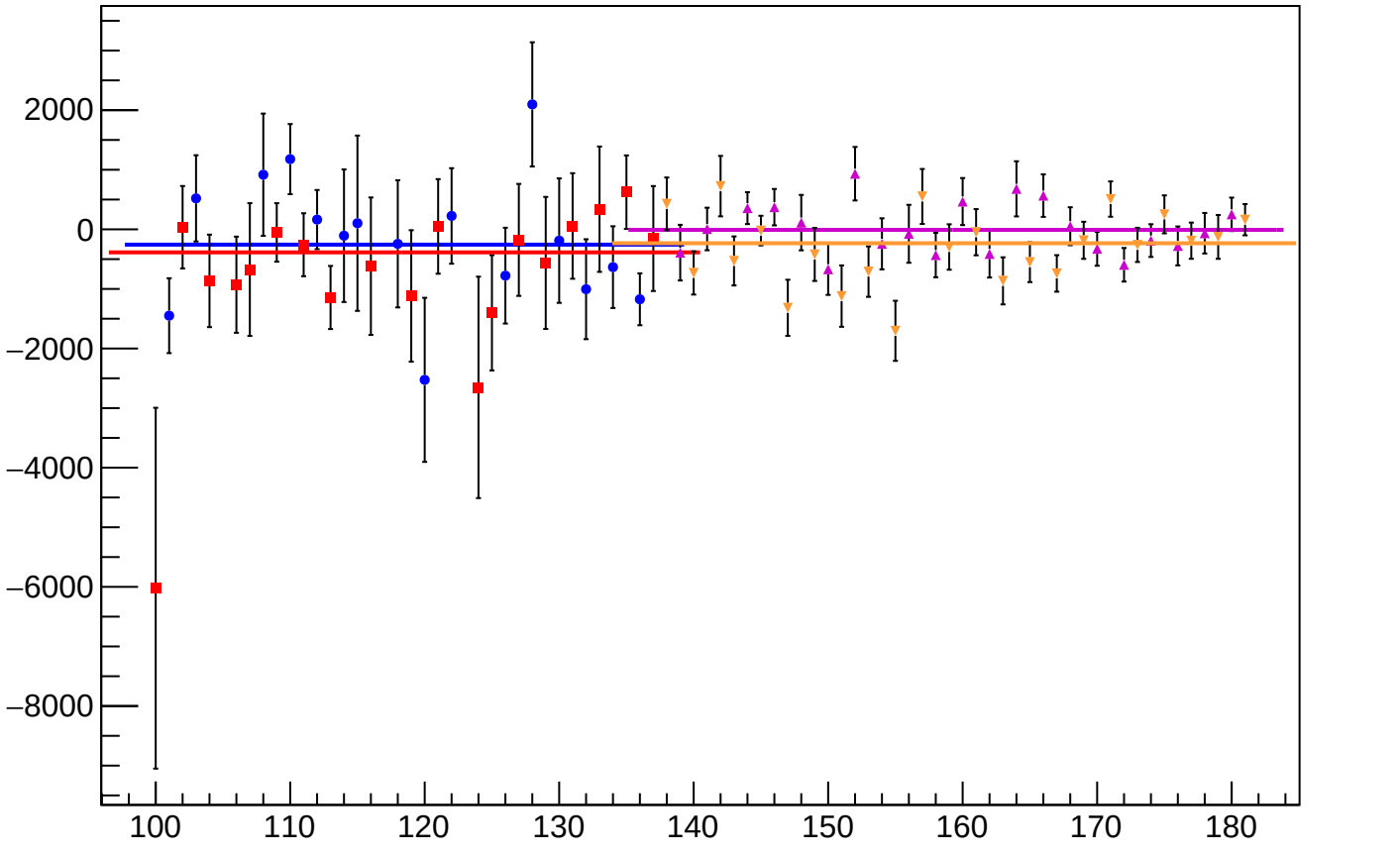
Right Out: 456.467+/-0.123 χ^2/NDF: 1082565.2/18

Left In: 306.299+/-0.053 χ^2/NDF:1133532.5/20

+ sign 326.086+/-0.048 χ^2/NDF: 3931326.3/38

All: 328.031+/-0.034 χ^2/NDF: 7409947.5/78

- sign 330.079+/-0.049 χ^2/NDF: 3475194.7/39



Right In: -256.748+/-186.462 χ^2/NDF: 26.9/15

Left Out: -233.357+/-74.083 χ^2/NDF:47.5/22

Right Out: -386.449+/-182.363 χ^2/NDF: 14.2/18

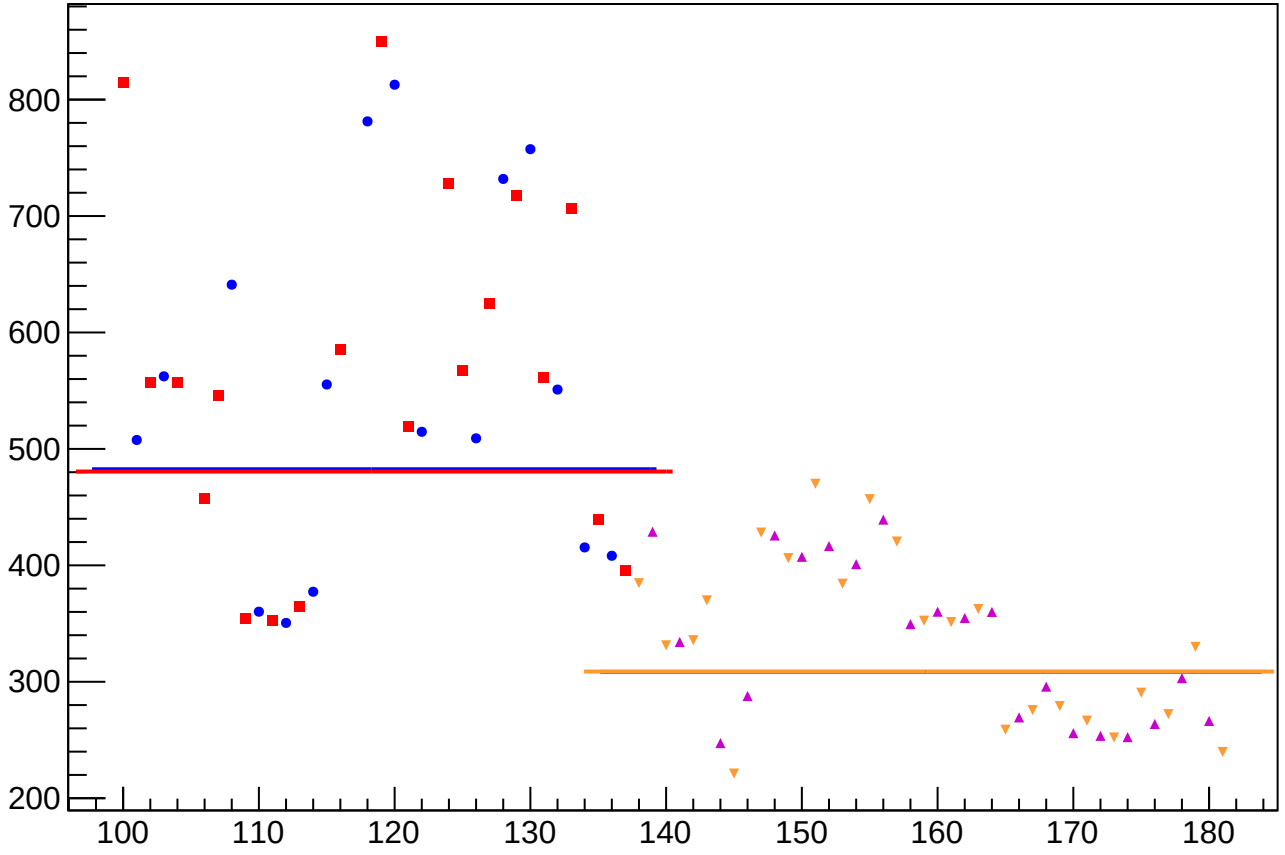
Left In: -8.497+/-76.020 χ^2/NDF:27.4/20

+ sign -236.546+/-68.848 χ^2/NDF: 74.4/38

All: -152.132+/-49.143 χ^2/NDF: 122.8/78

- sign -64.452+/-70.168 χ^2/NDF: 45.3/39

asym_sam_15_37_dd_rms vs Slug



Right In: 482.512+/-0.132 χ^2/NDF: 946526.1/15

Left Out: 308.795+/-0.052 χ^2/NDF:1611061.3/22

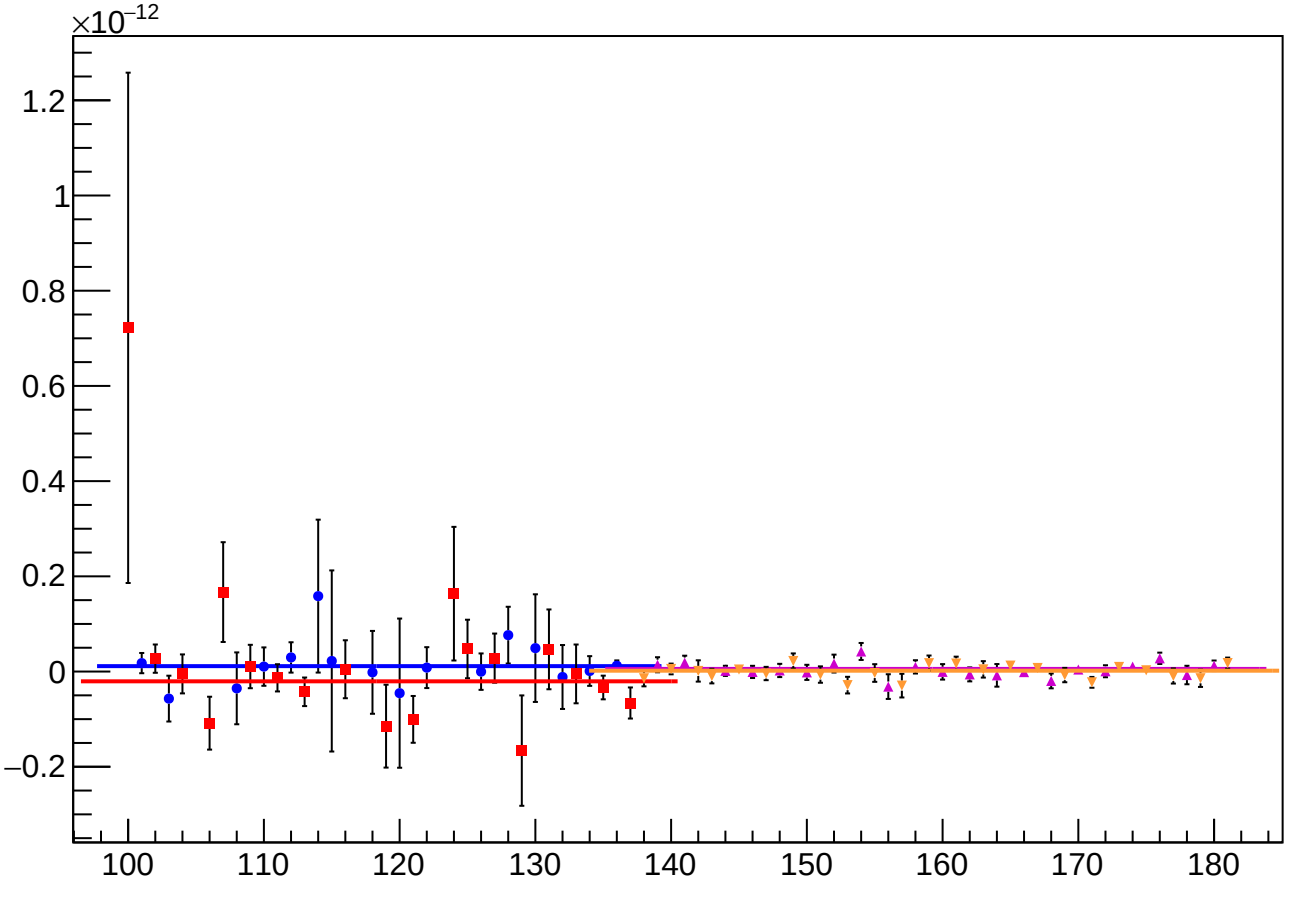
Right Out: 480.559+/-0.129 χ^2/NDF: 993796.3/18

Left In: 308.451+/-0.054 χ^2/NDF:1291161.4/20

+ sign 332.478+/-0.049 χ^2/NDF: 4056872.1/38

All: 333.191+/-0.035 χ^2/NDF: 7859931.1/78

- sign 333.931+/-0.050 χ^2/NDF: 3802622.2/39



Right In: 0.000+/-0.000 χ^2/NDF: 5.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:20.5/22

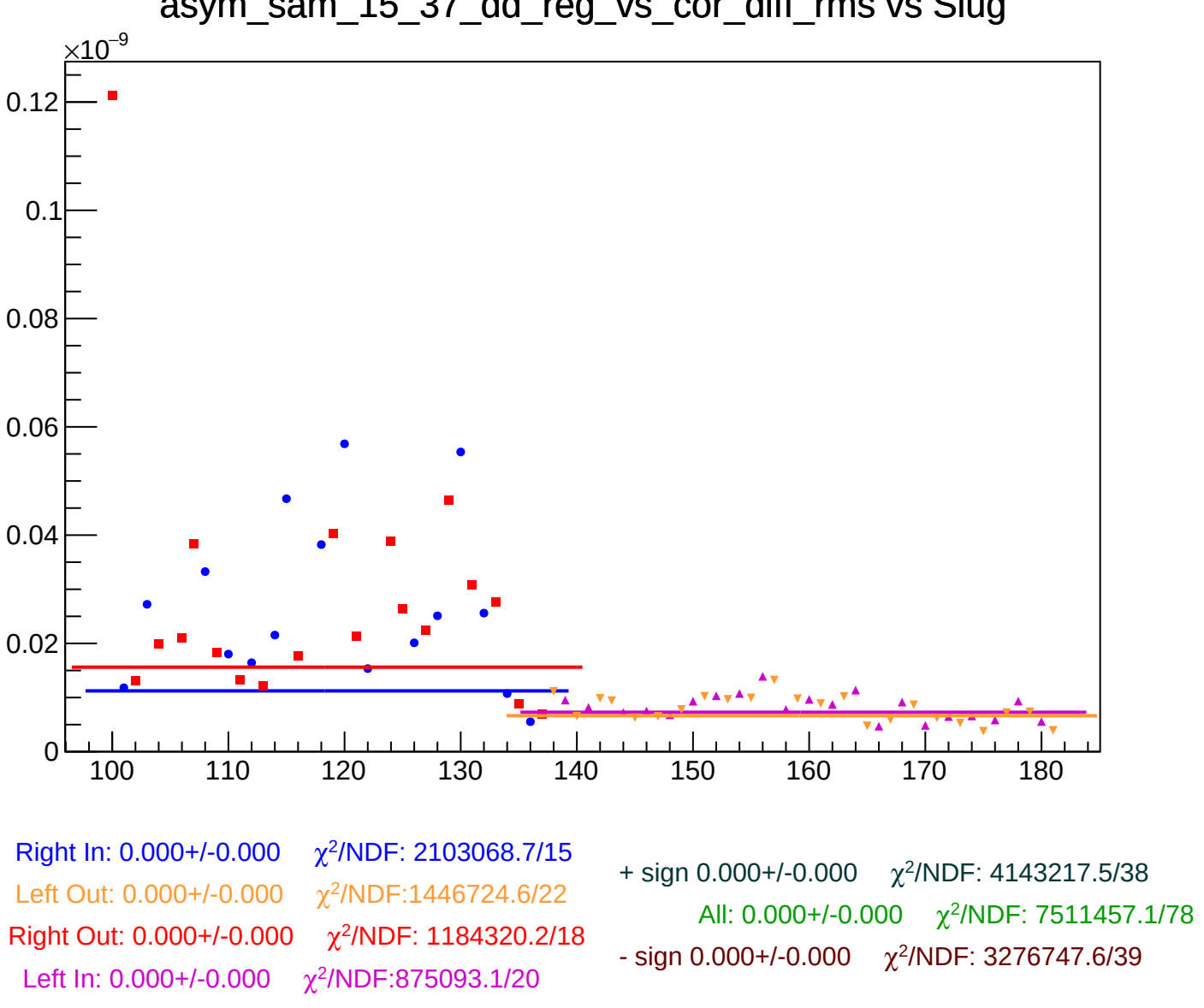
Right Out: -0.000+/-0.000 χ^2/NDF: 23.7/18

Left In: 0.000+/-0.000 χ^2/NDF:17.3/20

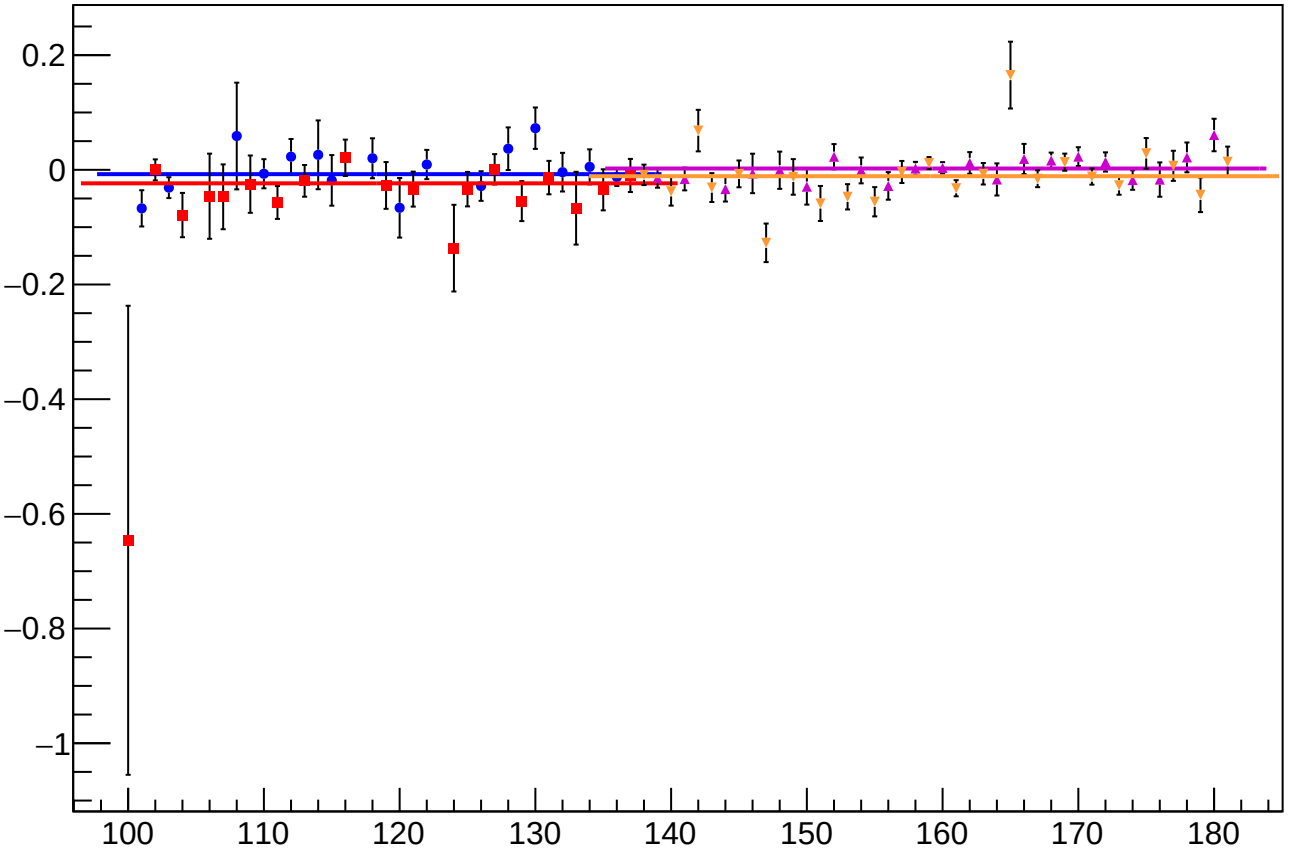
\+ sign 0.000+/-0.000 χ^2/NDF: 27.3/38

All: 0.000+/-0.000 χ^2/NDF: 74.3/78

\- sign 0.000+/-0.000 χ^2/NDF: 47.0/39


asym_sam_15_37_dd_reg_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: 2103068.7/15
Left Out: 0.000+/-0.000 χ²/NDF:1446724.6/22
Right Out: 0.000+/-0.000 χ²/NDF: 1184320.2/18
Left In: 0.000+/-0.000 χ²/NDF:875093.1/20
+ sign 0.000+/-0.000 χ²/NDF: 4143217.5/38
All: 0.000+/-0.000 χ²/NDF: 7511457.1/78
- sign 0.000+/-0.000 χ²/NDF: 3276747.6/39

asym_sam_15_37_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.011+/-0.004 χ^2/NDF:51.4/22

Right Out: -0.024+/-0.008 χ^2/NDF: 14.6/18

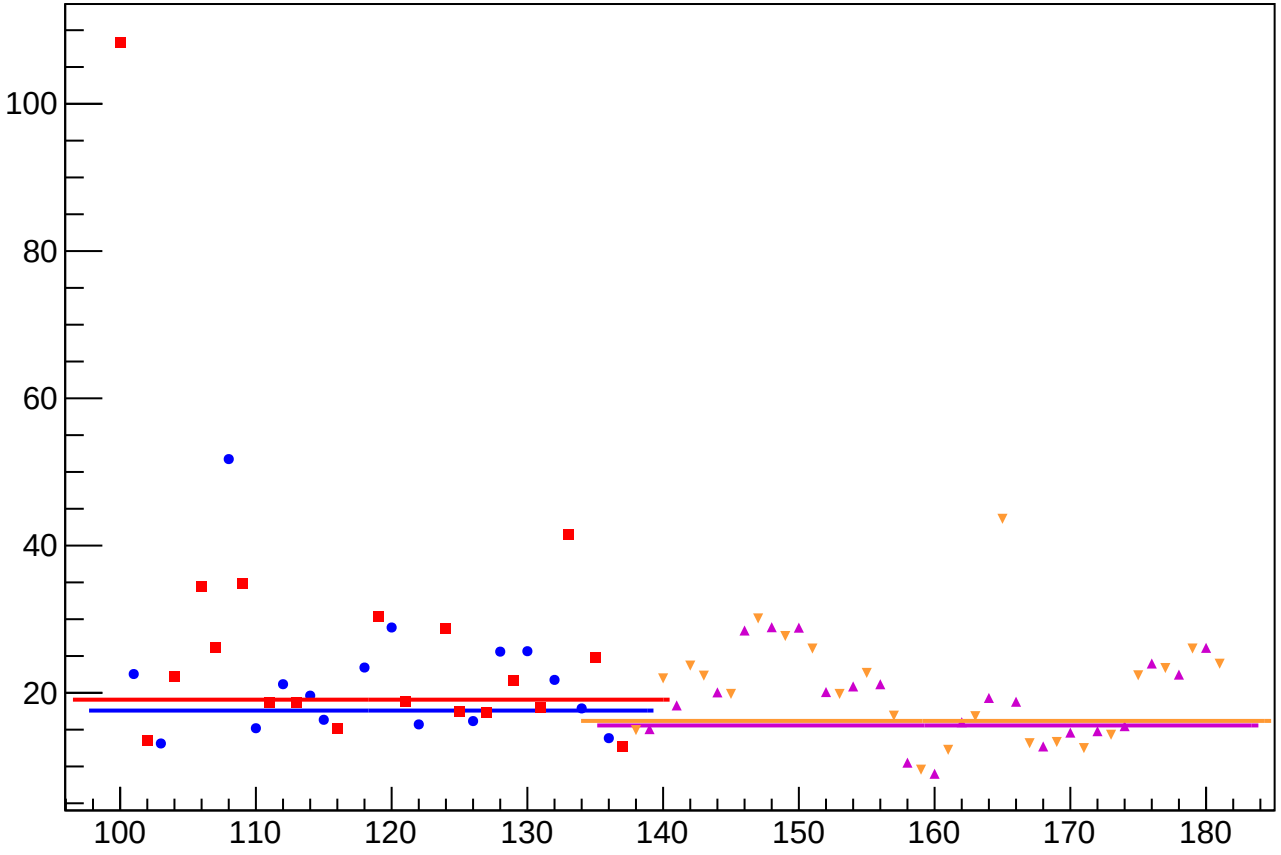
Left In: 0.002+/-0.004 χ^2/NDF:19.0/20

+ sign -0.010+/-0.004 χ^2/NDF: 68.3/38

All: -0.007+/-0.003 χ^2/NDF: 112.5/78

- sign -0.003+/-0.004 χ^2/NDF: 42.3/39

asym_sam_15_37_dd_dit_vs_cor_diff_rms vs Slug



Right In: 17.591+/-0.005 χ^2/NDF: 993249.5/15

Left Out: 16.187+/-0.003 χ^2/NDF:3750623.4/22

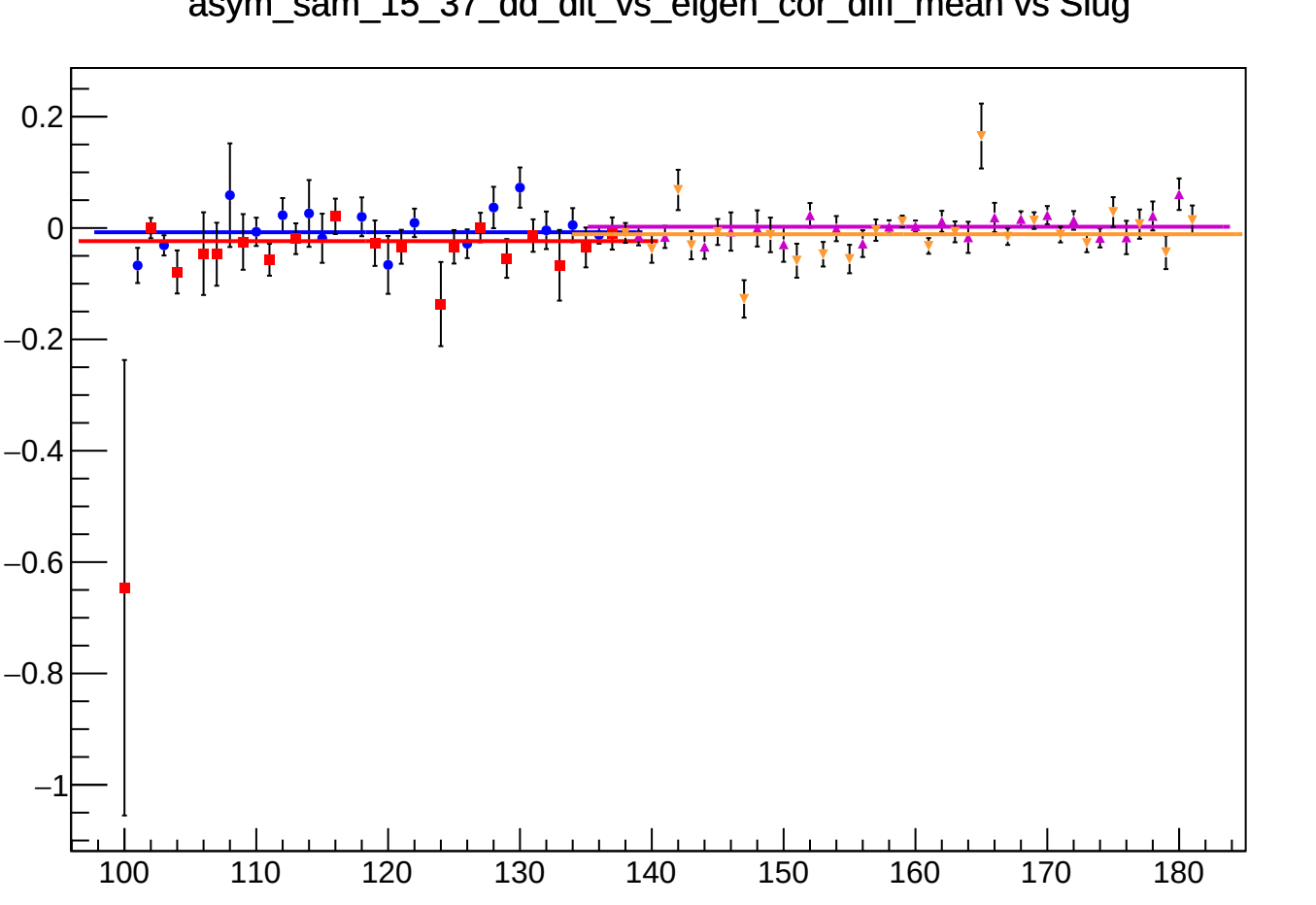
Right Out: 19.072+/-0.005 χ^2/NDF: 1247983.1/18

Left In: 15.570+/-0.003 χ^2/NDF:3382878.7/20

+ sign 16.534+/-0.003 χ^2/NDF: 4801123.3/38

All: 16.437+/-0.002 χ^2/NDF: 9754525.5/78

- sign 16.337+/-0.003 χ^2/NDF: 4950385.5/39



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.011+/-0.004 χ^2/NDF:51.4/22

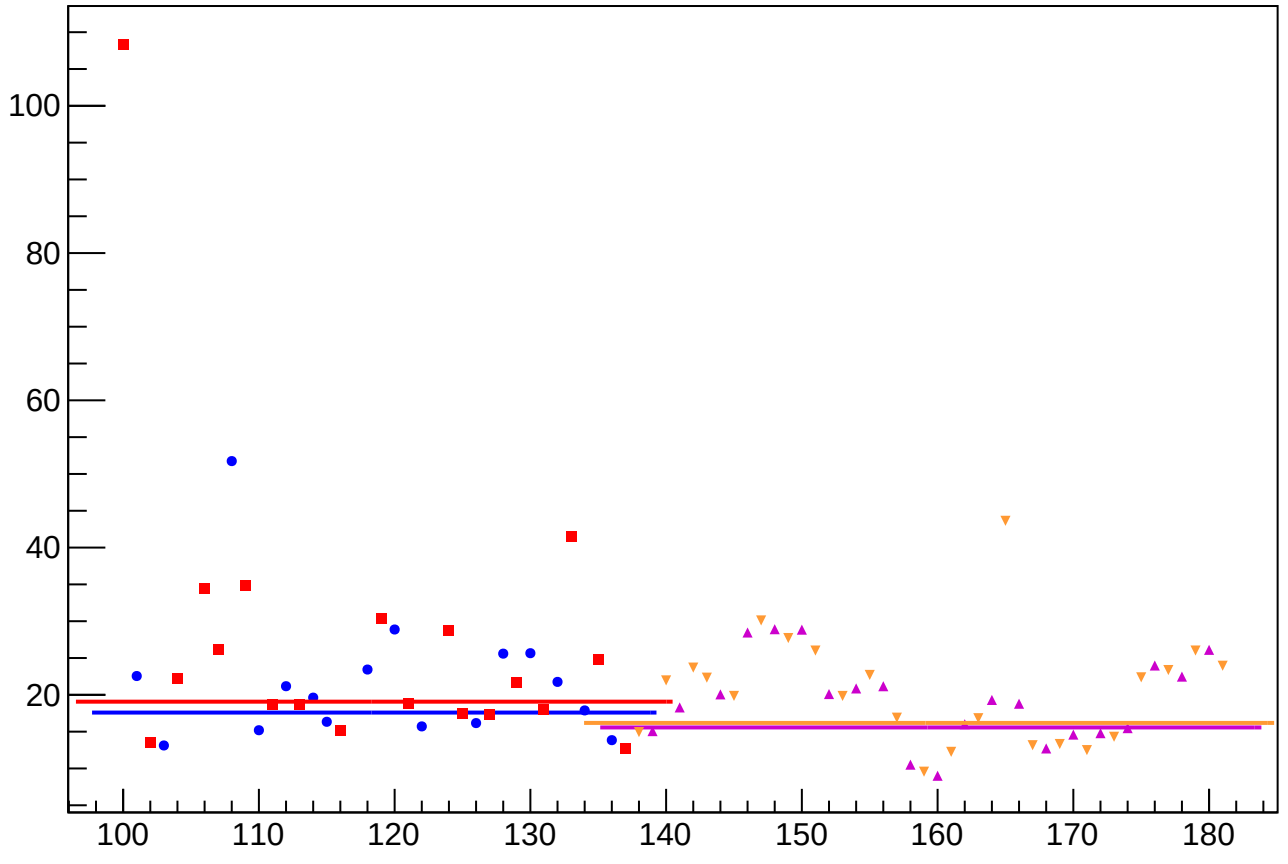
Right Out: -0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: 0.002+/-0.004 χ^2/NDF:19.0/20

+ sign -0.010+/-0.004 χ^2/NDF: 68.3/38

All: -0.007+/-0.003 χ^2/NDF: 112.5/78

- sign -0.003+/-0.004 χ^2/NDF: 42.3/39



Right In: 17.591+/-0.005 χ^2/NDF: 993249.5/15

Left Out: 16.187+/-0.003 χ^2/NDF:3750623.4/22

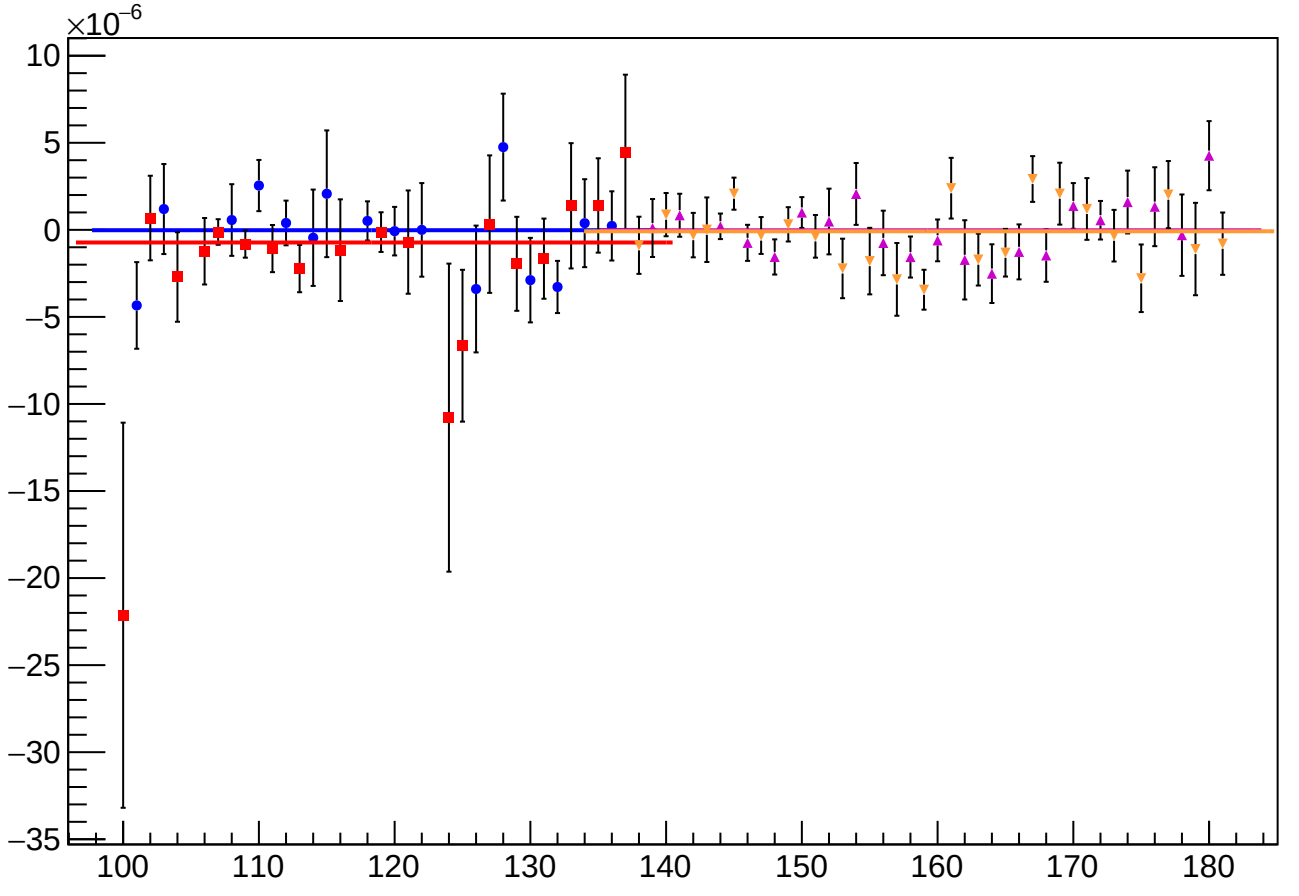
Right Out: 19.072+/-0.005 χ^2/NDF: 1247983.1/18

Left In: 15.570+/-0.003 χ^2/NDF:3382878.7/20

+ sign 16.534+/-0.003 χ^2/NDF: 4801123.3/38

All: 16.437+/-0.002 χ^2/NDF: 9754525.5/78

- sign 16.337+/-0.003 χ^2/NDF: 4950385.5/39



Right In: -0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:34.0/22

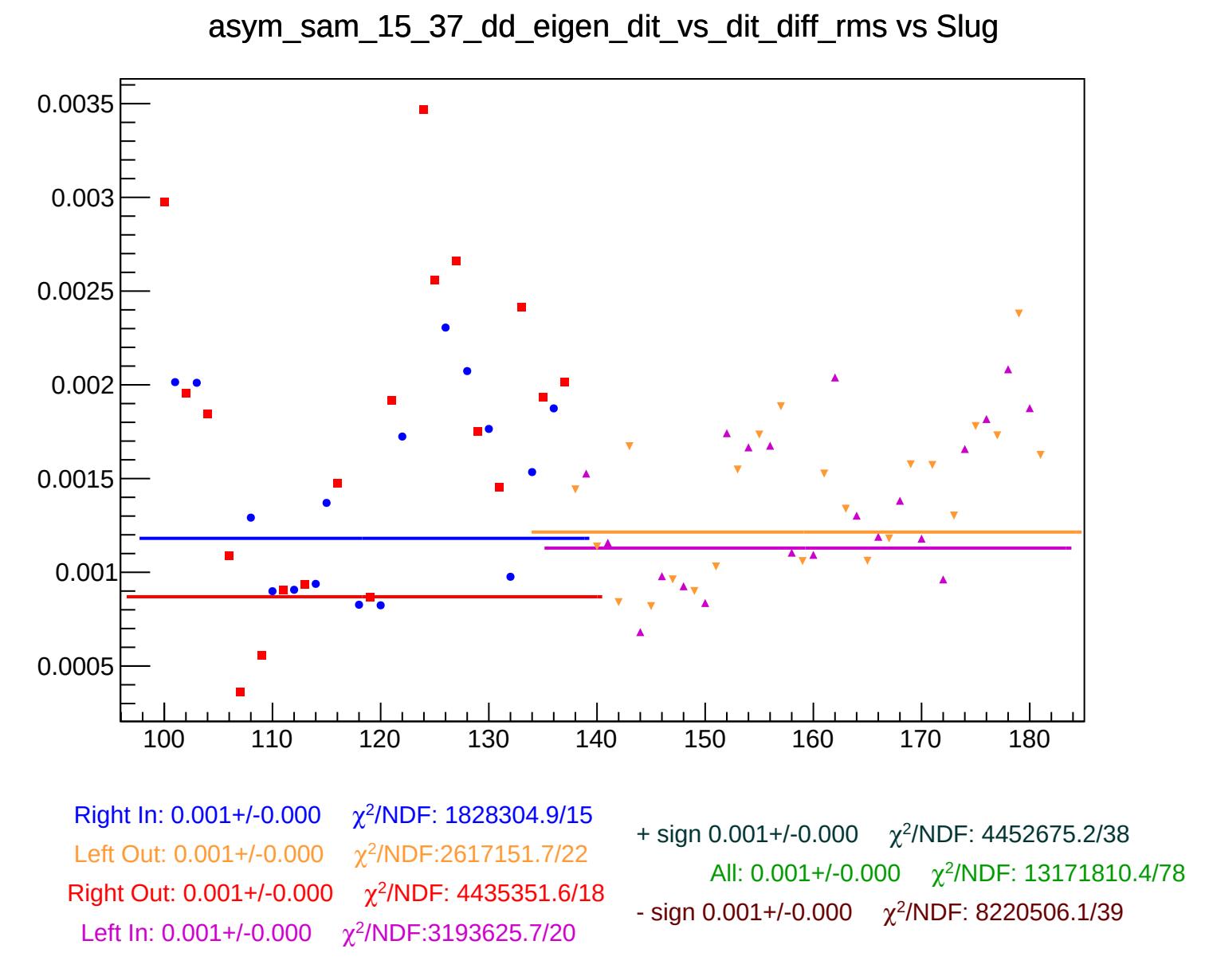
Right Out: -0.000+/-0.000 χ^2/NDF: 12.9/18

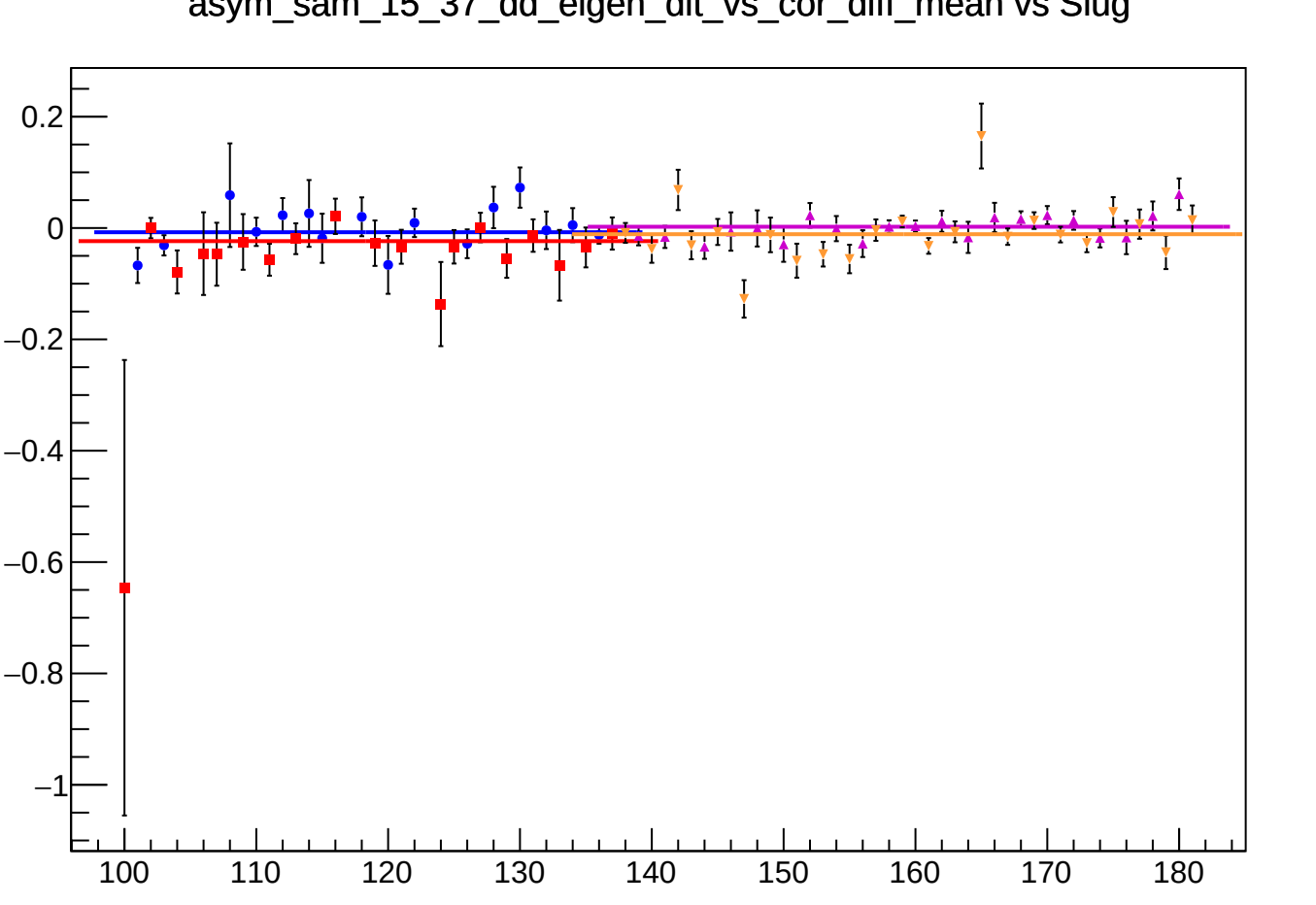
Left In: -0.000+/-0.000 χ^2/NDF:19.8/20

+ sign -0.000+/-0.000 χ^2/NDF: 50.5/38

All: -0.000+/-0.000 χ^2/NDF: 85.7/78

- sign -0.000+/-0.000 χ^2/NDF: 34.8/39


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:2617151.7/22
Right Out: 0.001+/-0.000 χ²/NDF: 4435351.6/18
Left In: 0.001+/-0.000 χ²/NDF:3193625.7/20
+ sign 0.001+/-0.000 χ²/NDF: 4452675.2/38
All: 0.001+/-0.000 χ²/NDF: 13171810.4/78
- sign 0.001+/-0.000 χ²/NDF: 8220506.1/39



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.011+/-0.004 χ^2/NDF:51.4/22

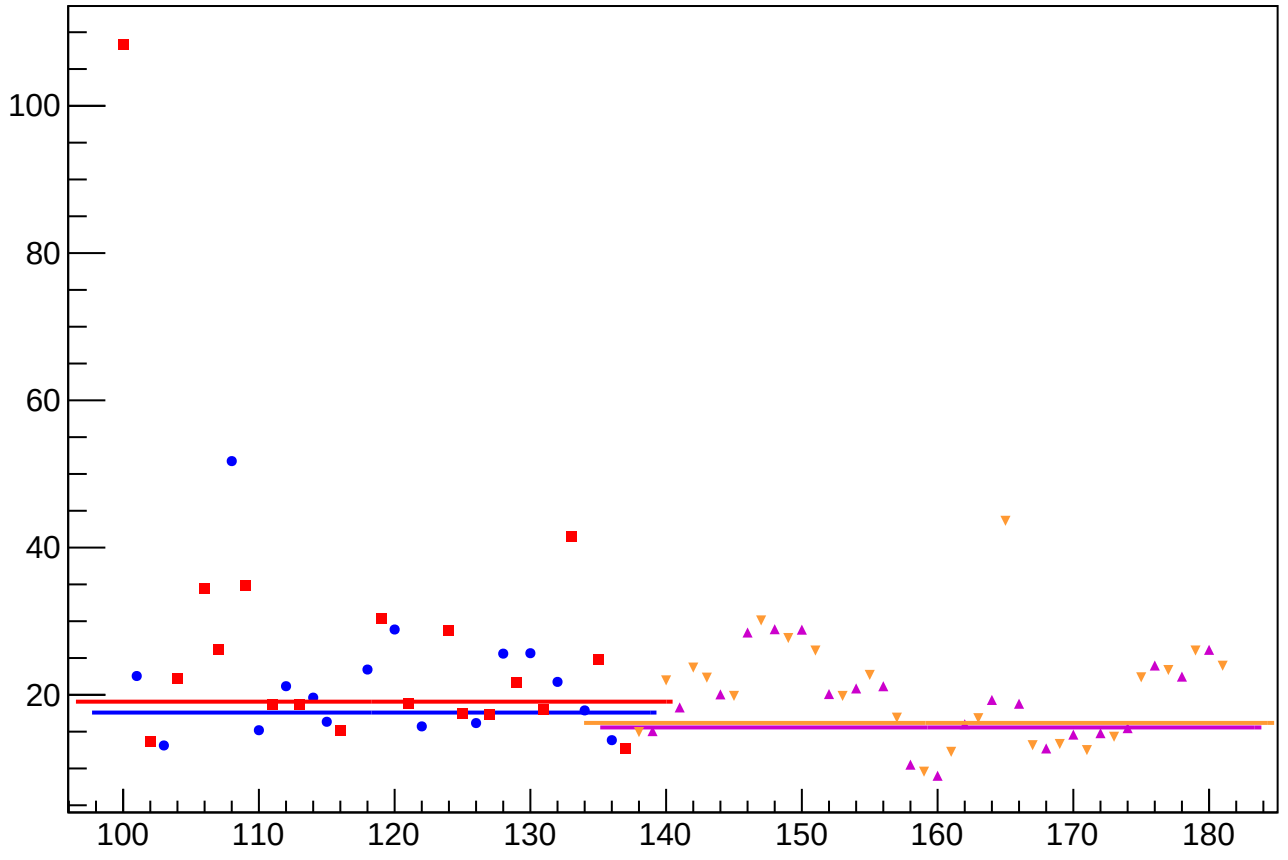
Right Out: -0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: 0.002+/-0.004 χ^2/NDF:19.0/20

+ sign -0.010+/-0.004 χ^2/NDF: 68.3/38

All: -0.007+/-0.003 χ^2/NDF: 112.5/78

- sign -0.003+/-0.004 χ^2/NDF: 42.3/39



Right In: 17.591+/-0.005 χ^2/NDF: 993288.6/15

Left Out: 16.187+/-0.003 χ^2/NDF:3750873.1/22

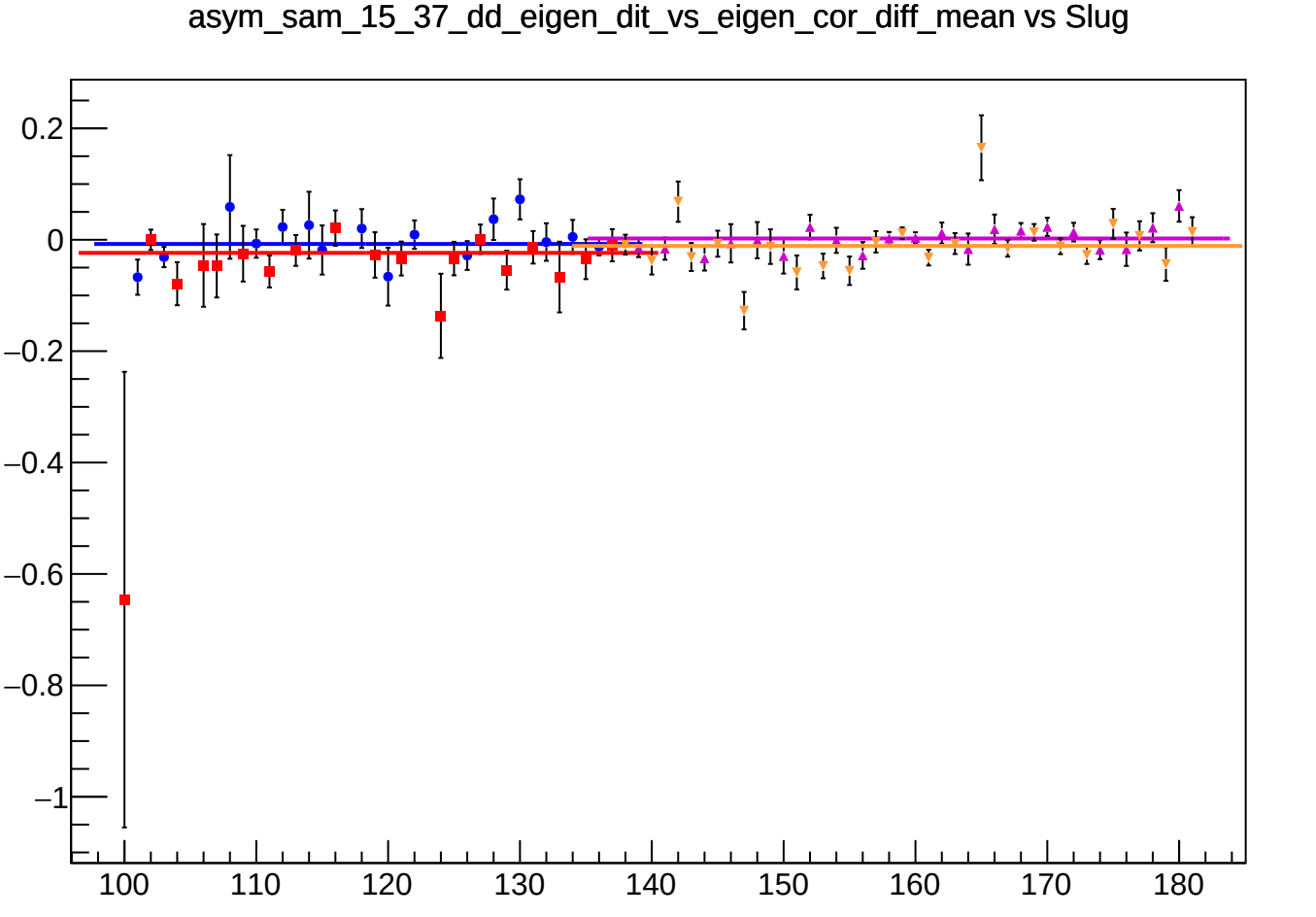
Right Out: 19.072+/-0.005 χ^2/NDF: 1247904.7/18

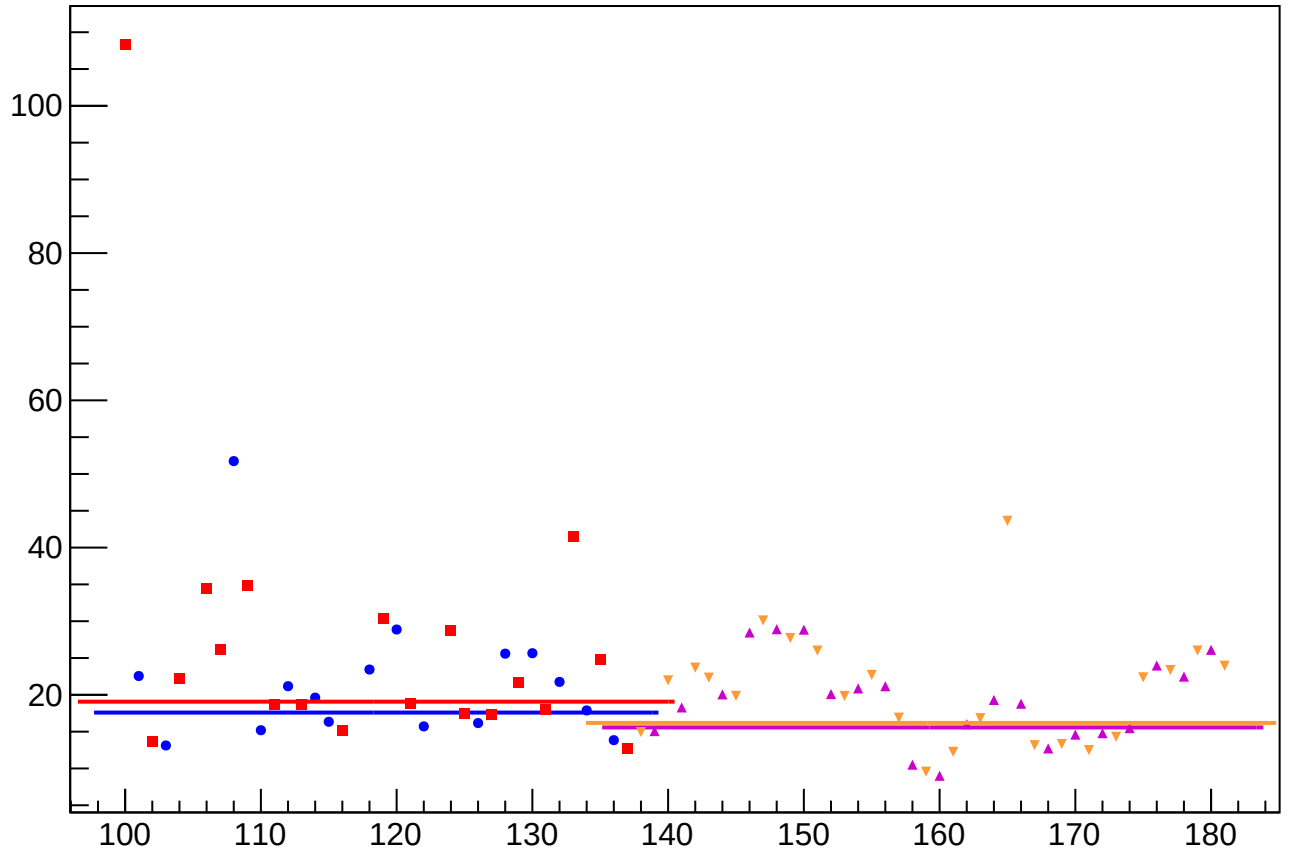
Left In: 15.570+/-0.003 χ^2/NDF:3383235.2/20

+ sign 16.534+/-0.003 χ^2/NDF: 4801433.2/38

All: 16.436+/-0.002 χ^2/NDF: 9755220.6/78

- sign 16.336+/-0.003 χ^2/NDF: 4950770.2/39


asym_sam_15_37_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
100
110
120
130
140
150
160
170
180
Right In: -0.008+/-0.007 χ²/NDF: 16.7/15
Left Out: -0.011+/-0.004 χ²/NDF:51.4/22
Right Out: -0.024+/-0.008 χ²/NDF: 14.6/18
Left In: 0.002+/-0.004 χ²/NDF:19.0/20
+ sign -0.010+/-0.004 χ²/NDF: 68.3/38
All: -0.007+/-0.003 χ²/NDF: 112.5/78
- sign -0.003+/-0.004 χ²/NDF: 42.3/39



Right In: 17.591+/-0.005 χ^2/NDF: 993288.6/15

Left Out: 16.187+/-0.003 χ^2/NDF:3750873.1/22

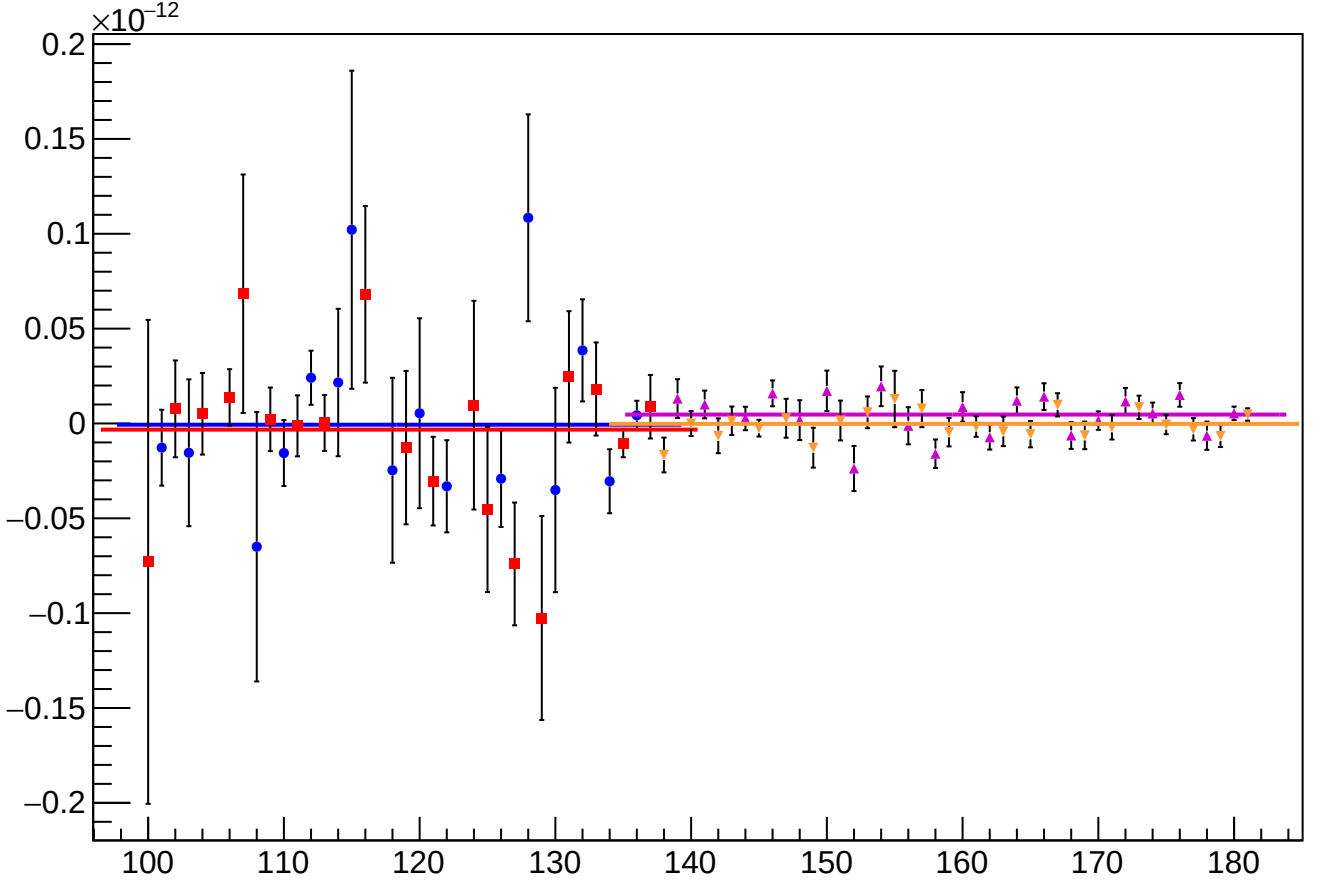
Right Out: 19.072+/-0.005 χ^2/NDF: 1247904.7/18

Left In: 15.570+/-0.003 χ^2/NDF:3383235.2/20

+ sign 16.534+/-0.003 χ^2/NDF: 4801433.2/38

All: 16.436+/-0.002 χ^2/NDF: 9755220.6/78

- sign 16.336+/-0.003 χ^2/NDF: 4950770.2/39



Right In: -0.000+/-0.000 χ^2/NDF: 20.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:18.0/22

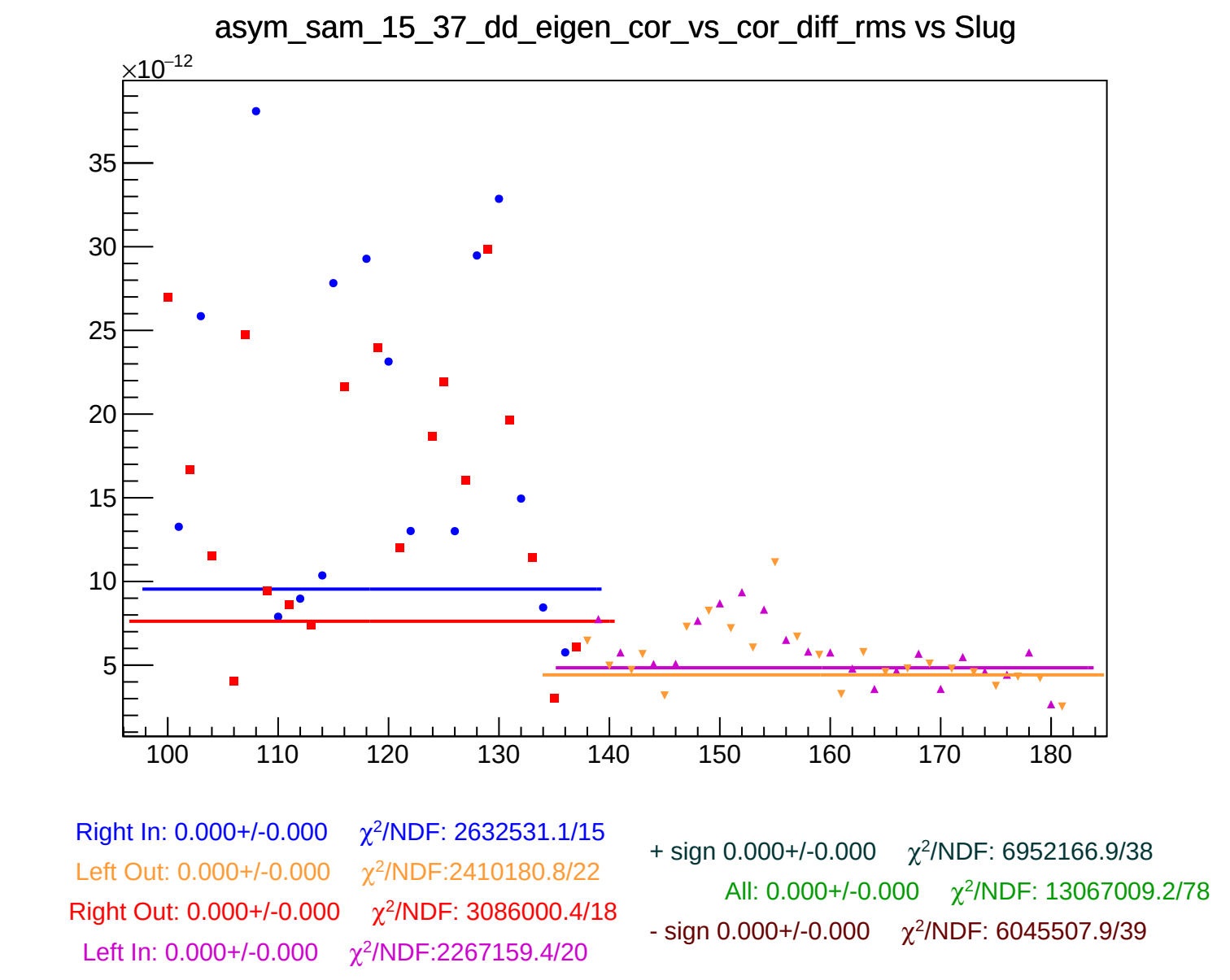
Right Out: -0.000+/-0.000 χ^2/NDF: 19.2/18

Left In: 0.000+/-0.000 χ^2/NDF:36.5/20

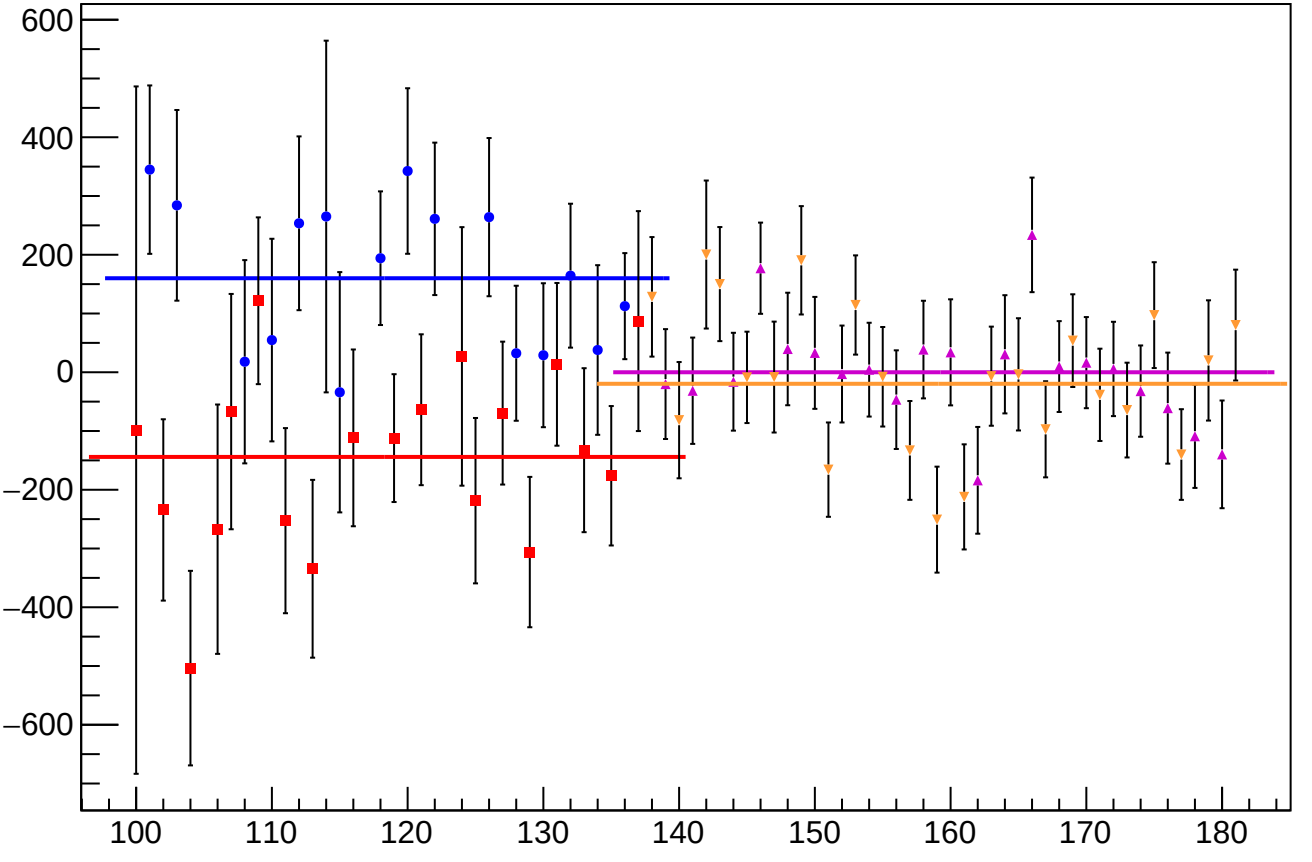
+ sign -0.000+/-0.000 χ^2/NDF: 38.2/38

All: 0.000+/-0.000 χ^2/NDF: 101.4/78

- sign 0.000+/-0.000 χ^2/NDF: 58.5/39


asym_sam_15_37_dd_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: 2632531.1/15
Left Out: 0.000+/-0.000 χ²/NDF:2410180.8/22
Right Out: 0.000+/-0.000 χ²/NDF: 3086000.4/18
Left In: 0.000+/-0.000 χ²/NDF:2267159.4/20
+ sign 0.000+/-0.000 χ²/NDF: 6952166.9/38
All: 0.000+/-0.000 χ²/NDF: 13067009.2/78
- sign 0.000+/-0.000 χ²/NDF: 6045507.9/39

reg_asym_sam_24_68_dd_mean vs Slug



Right In: 160.024+/-34.170 χ^2/NDF: 11.1/15

Left Out: -19.632+/-18.374 χ^2/NDF:40.3/22

Right Out: -144.117+/-34.213 χ^2/NDF: 17.4/18

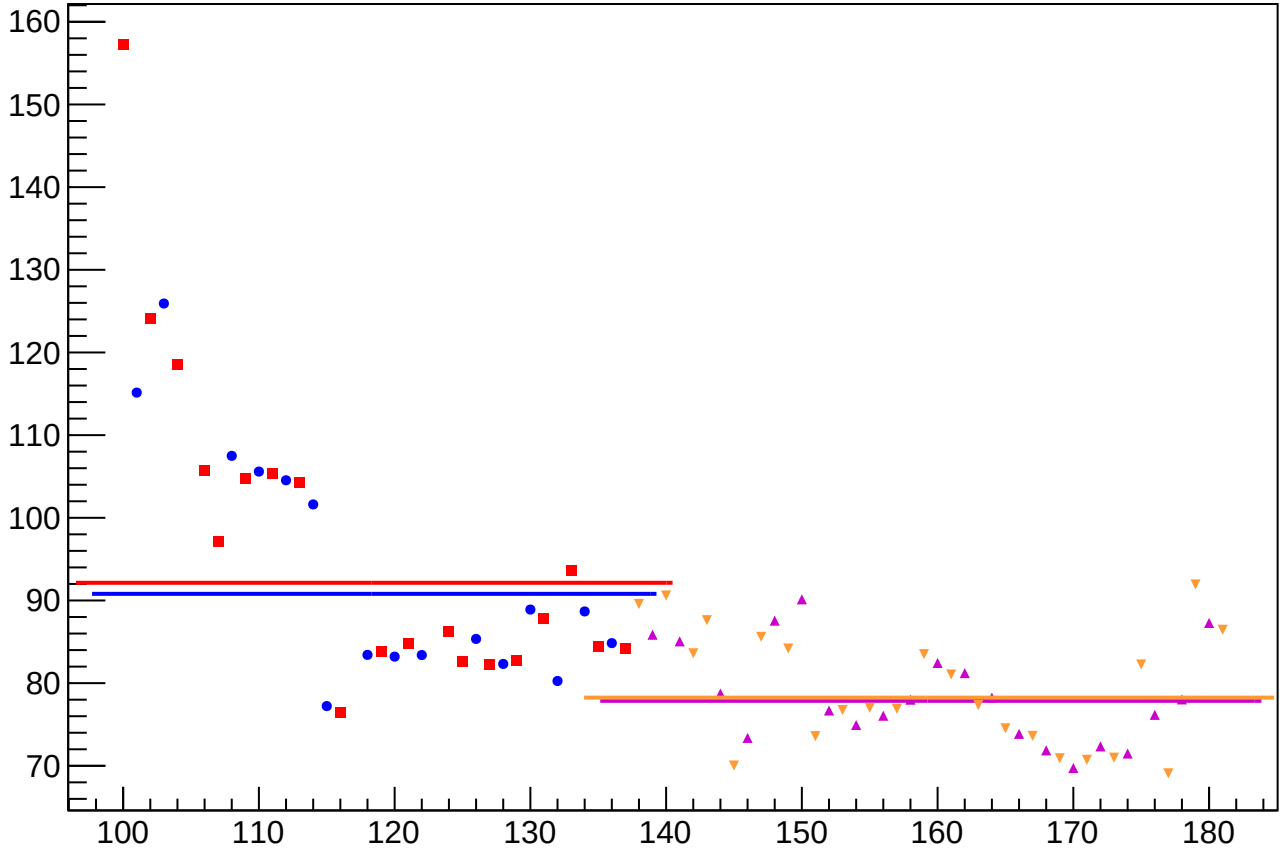
Left In: -0.013+/-18.835 χ^2/NDF:20.8/20

+ sign 20.665+/-16.183 χ^2/NDF: 72.8/38

All: -5.906+/-11.553 χ^2/NDF: 130.1/78

- sign -33.527+/-16.500 χ^2/NDF: 51.8/39

reg_asym_sam_24_68_dd_rms vs Slug



Right In: 90.802+/-0.024 χ^2/NDF: 272755.2/15

Left Out: 78.248+/-0.013 χ^2/NDF:282536.0/22

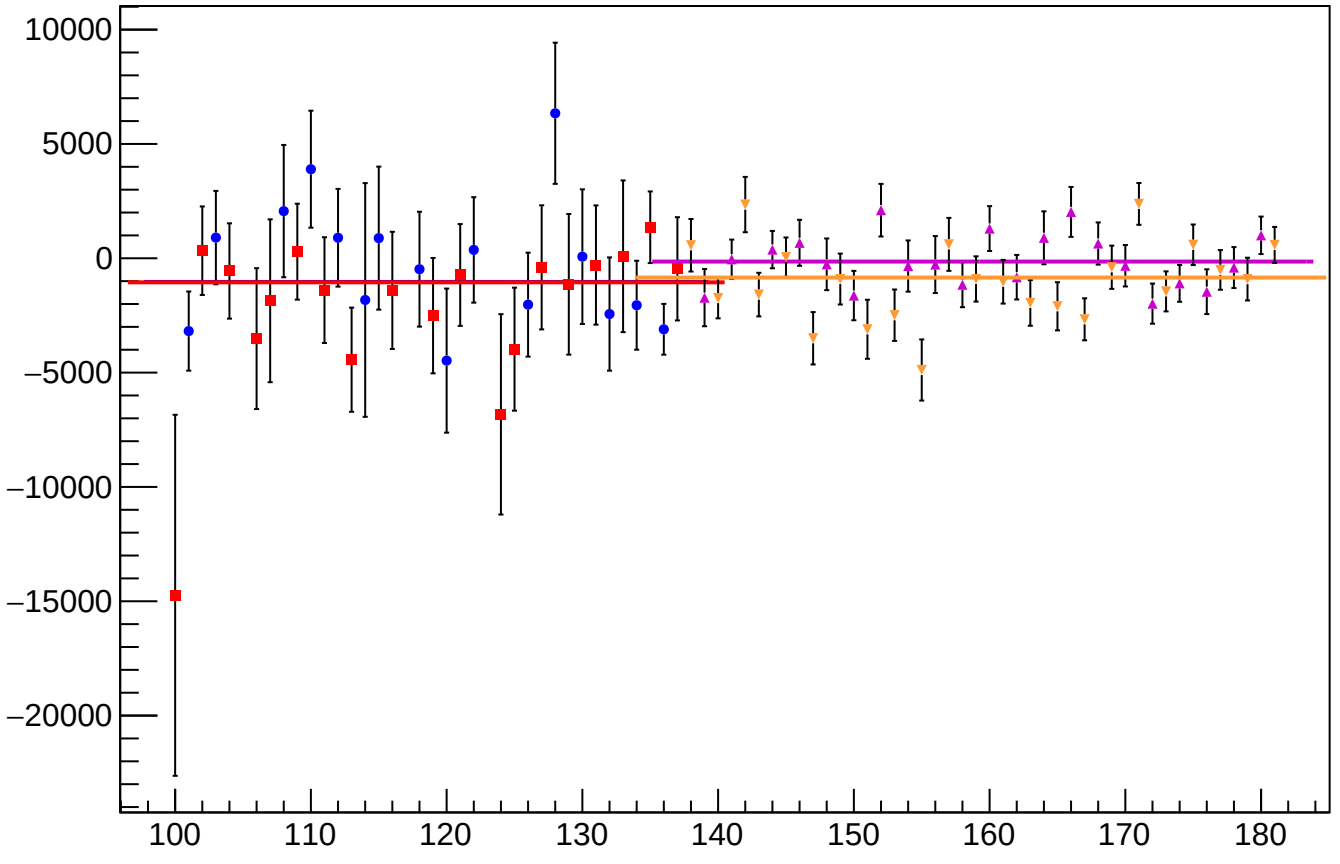
Right Out: 92.141+/-0.024 χ^2/NDF: 302032.4/18

Left In: 77.862+/-0.013 χ^2/NDF:181838.7/20

+ sign 81.064+/-0.011 χ^2/NDF: 764690.5/38

All: 81.122+/-0.008 χ^2/NDF: 1515961.1/78

- sign 81.183+/-0.012 χ^2/NDF: 751217.5/39



Right In: -1035.032+/-550.207 χ^2/NDF: 20.2/15

Left Out: -843.767+/-205.708 χ^2/NDF:58.3/22

Right Out: -1051.517+/-568.935 χ^2/NDF: 12.9/18

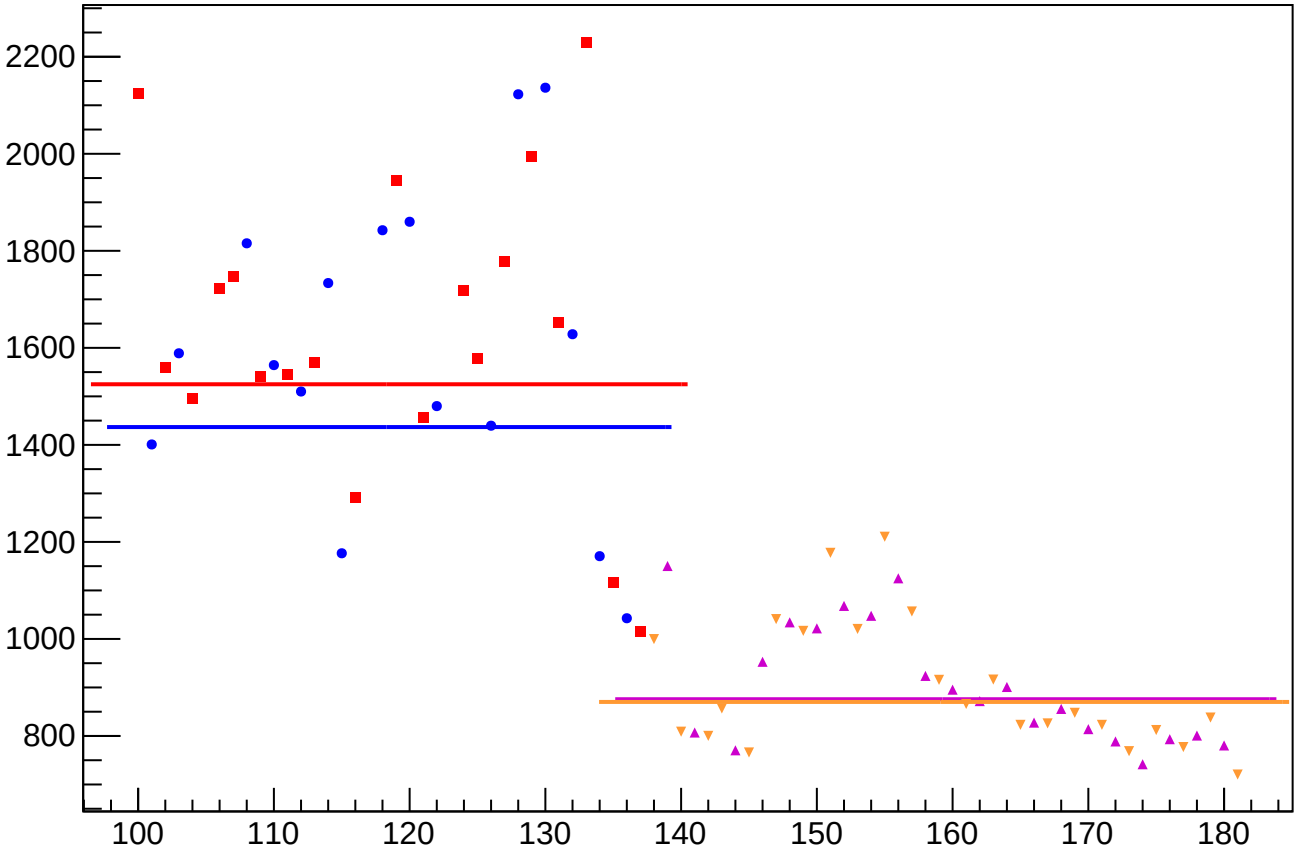
Left In: -143.884+/-213.046 χ^2/NDF:27.3/20

+ sign -867.224+/-192.682 χ^2/NDF: 78.7/38

All: -572.021+/-138.600 χ^2/NDF: 126.0/78

- sign -255.504+/-199.517 χ^2/NDF: 42.5/39

asym_sam_24_68_dd_reg_correction_rms vs Slug



Right In: 1436.734+/-0.389 χ^2/NDF: 675672.3/15

Left Out: 870.161+/-0.145 χ^2/NDF:638296.3/22

Right Out: 1524.955+/-0.402 χ^2/NDF: 504563.9/18

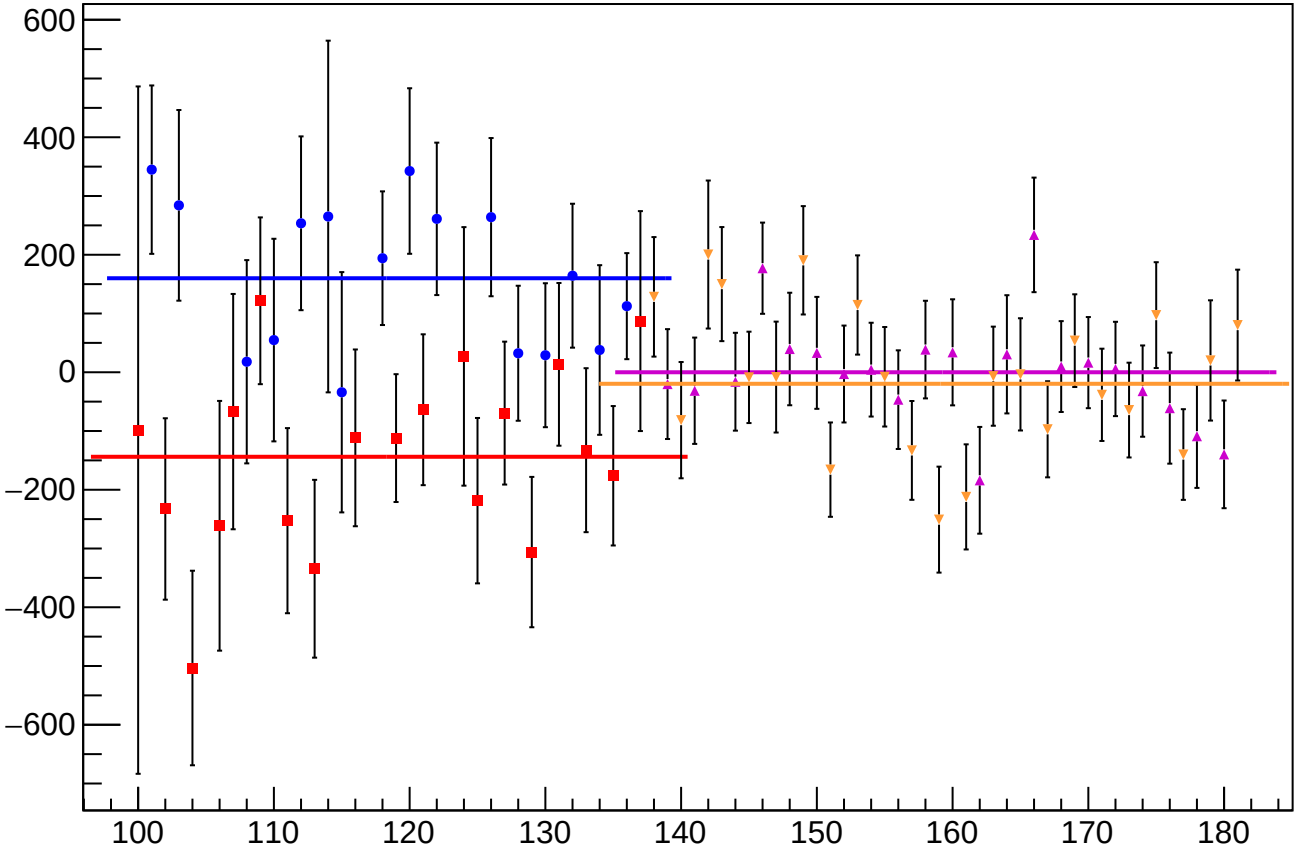
Left In: 875.735+/-0.151 χ^2/NDF:563863.3/20

+ sign 939.645+/-0.136 χ^2/NDF: 3174632.1/38

All: 947.333+/-0.098 χ^2/NDF: 6533675.6/78

- sign 955.575+/-0.141 χ^2/NDF: 3352446.4/39

cor_asym_sam_24_68_dd_mean vs Slug



Right In: 160.020+/-34.170 χ^2/NDF: 11.1/15

Left Out: -19.631+/-18.374 χ^2/NDF:40.3/22

Right Out: -143.862+/-34.216 χ^2/NDF: 17.3/18

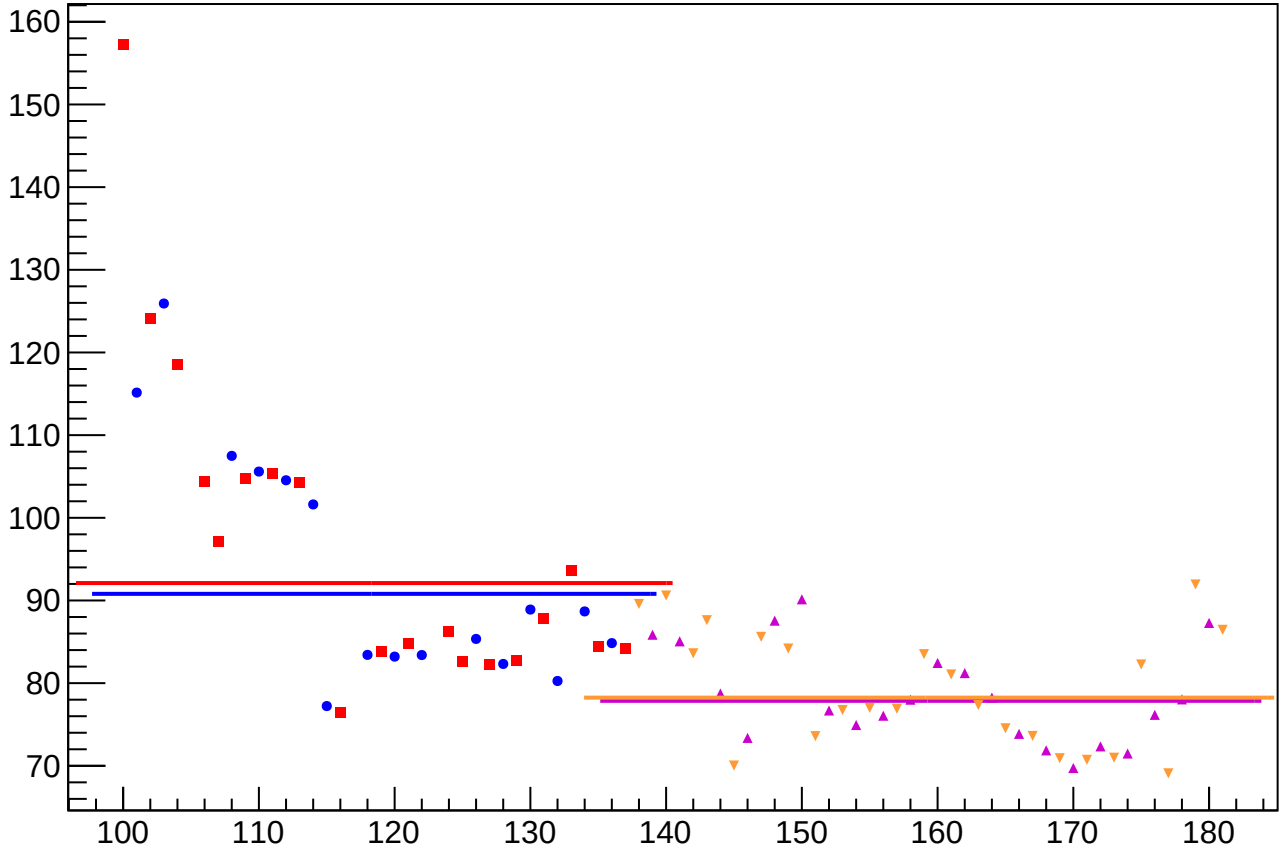
Left In: -0.010+/-18.835 χ^2/NDF:20.8/20

+ sign 20.665+/-16.183 χ^2/NDF: 72.8/38

All: -5.874+/-11.554 χ^2/NDF: 130.0/78

- sign -33.463+/-16.500 χ^2/NDF: 51.7/39

cor_asym_sam_24_68_dd_rms vs Slug



Right In: 90.802+/-0.024 χ^2/NDF: 272757.0/15

Left Out: 78.248+/-0.013 χ^2/NDF:282536.1/22

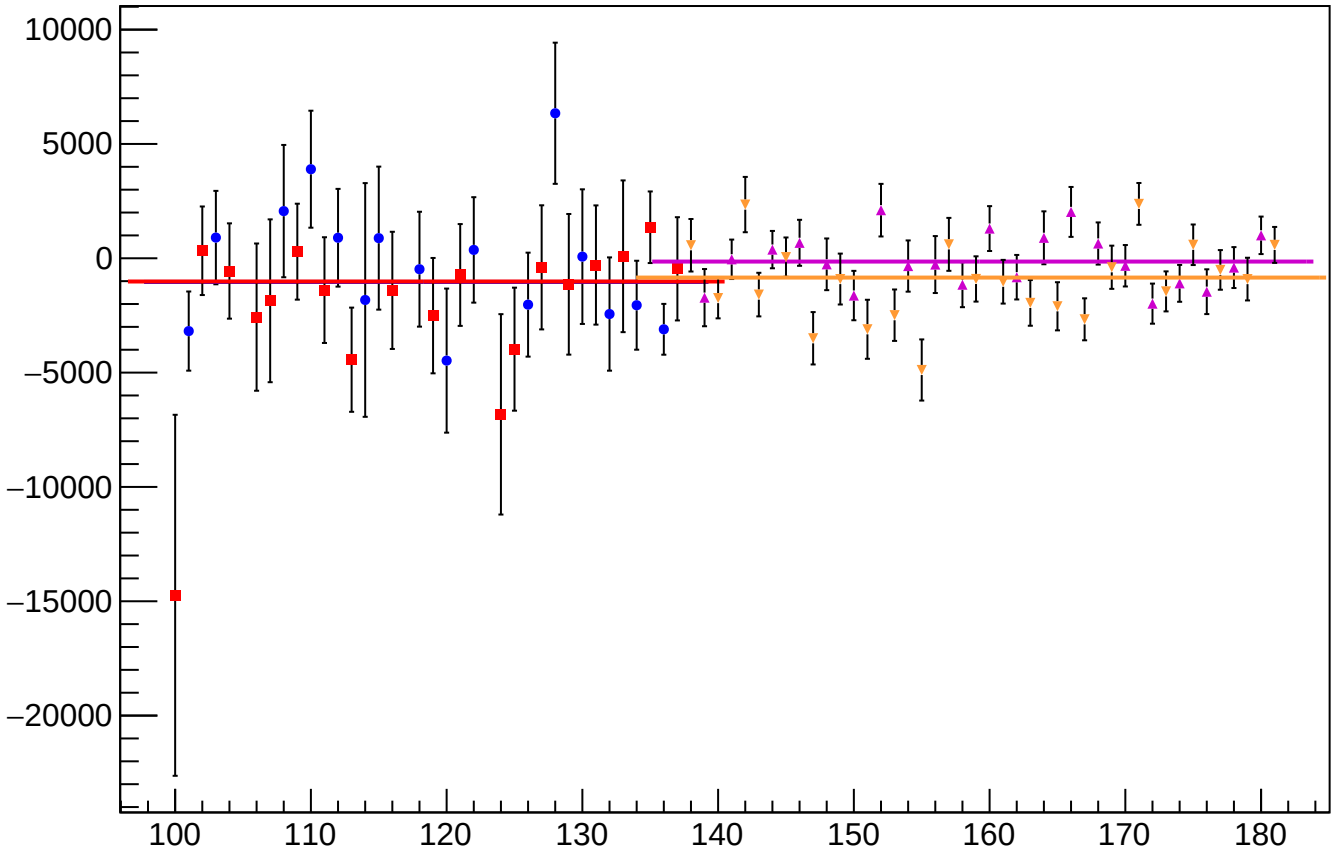
Right Out: 92.108+/-0.024 χ^2/NDF: 300768.0/18

Left In: 77.862+/-0.013 χ^2/NDF:181838.7/20

+ sign 81.064+/-0.011 χ^2/NDF: 764692.5/38

All: 81.118+/-0.008 χ^2/NDF: 1513428.8/78

- sign 81.175+/-0.012 χ^2/NDF: 748690.2/39



Right In: -1035.009+/-550.208 χ^2/NDF: 20.2/15

Left Out: -843.765+/-205.708 χ^2/NDF:58.3/22

Right Out: -1015.387+/-569.773 χ^2/NDF: 12.5/18

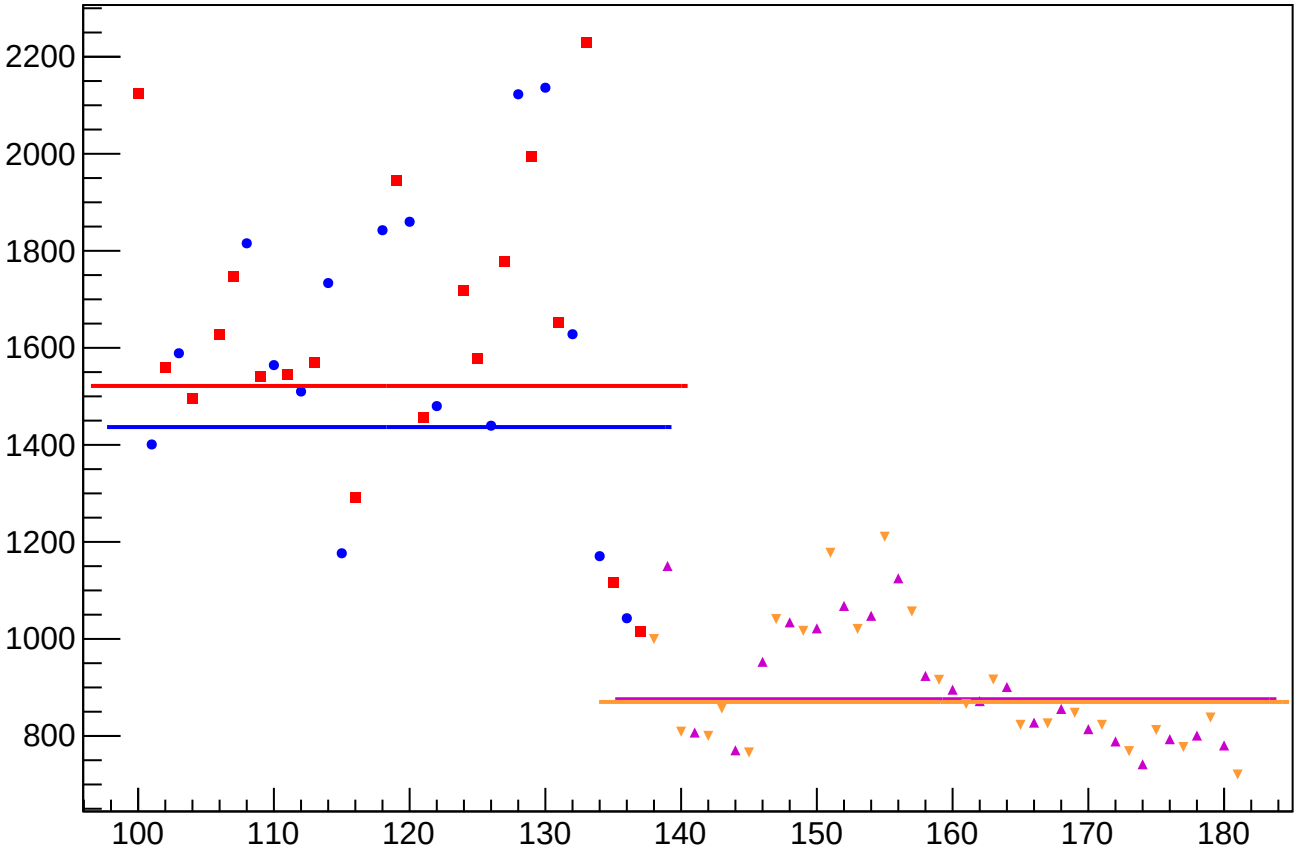
Left In: -143.884+/-213.046 χ^2/NDF:27.3/20

+ sign -867.219+/-192.682 χ^2/NDF: 78.7/38

All: -569.797+/-138.612 χ^2/NDF: 125.5/78

- sign -250.785+/-199.553 χ^2/NDF: 41.9/39

asym_sam_24_68_dd_cor_correction_rms vs Slug



Right In: 1436.738+/-0.389 χ^2/NDF: 675680.8/15

Left Out: 870.161+/-0.145 χ^2/NDF:638296.2/22

Right Out: 1521.496+/-0.403 χ^2/NDF: 498363.4/18

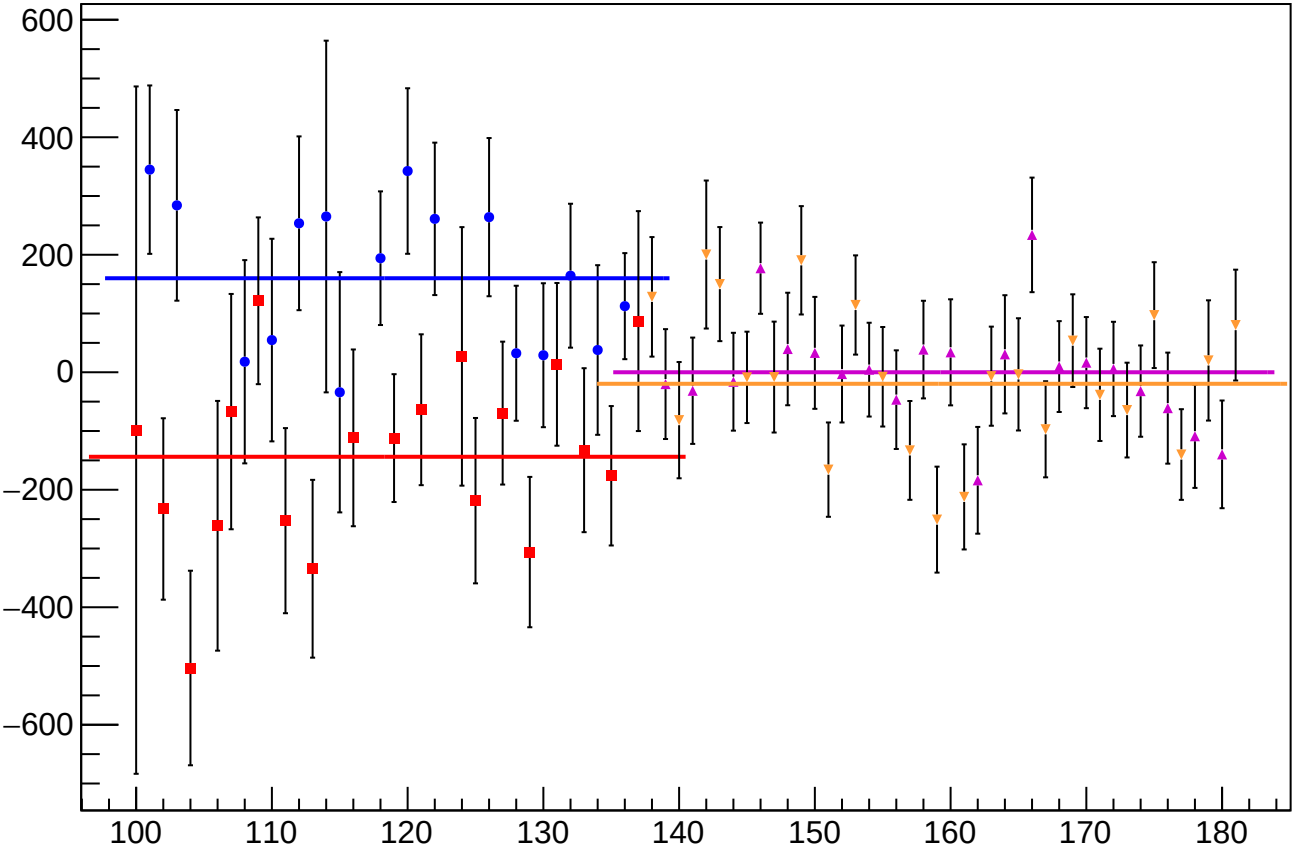
Left In: 875.735+/-0.151 χ^2/NDF:563861.9/20

+ sign 939.645+/-0.136 χ^2/NDF: 3174654.9/38

All: 947.028+/-0.098 χ^2/NDF: 6496879.6/78

- sign 954.946+/-0.141 χ^2/NDF: 3316140.0/39

eigen_cor_asym_sam_24_68_dd_mean vs Slug



Right In: 160.020+/-34.170 χ^2/NDF: 11.1/15

Left Out: -19.631+/-18.374 χ^2/NDF:40.3/22

Right Out: -143.862+/-34.216 χ^2/NDF: 17.3/18

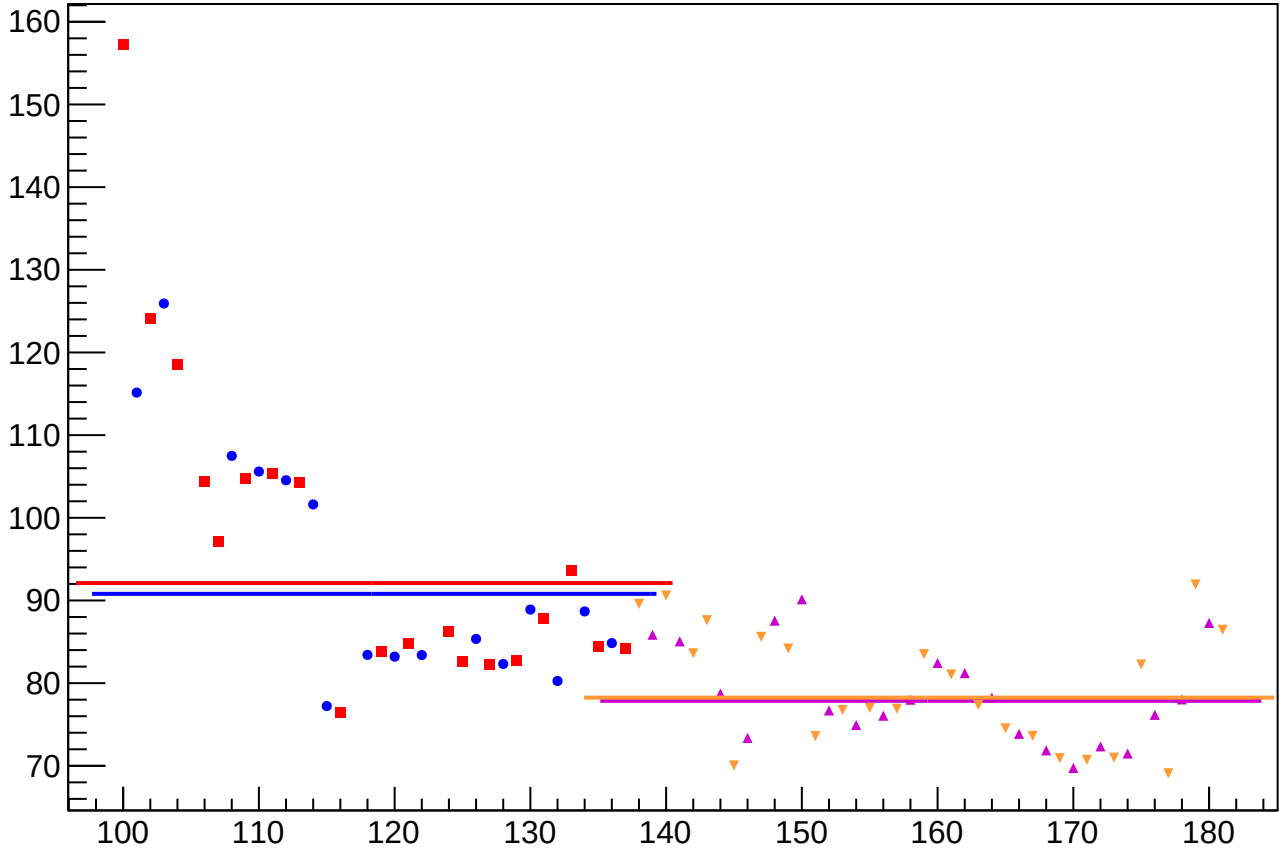
Left In: -0.010+/-18.835 χ^2/NDF:20.8/20

+ sign 20.665+/-16.183 χ^2/NDF: 72.8/38

All: -5.874+/-11.554 χ^2/NDF: 130.0/78

- sign -33.463+/-16.500 χ^2/NDF: 51.7/39

eigen_cor_asym_sam_24_68_dd_rms vs Slug



Right In: 90.802+/-0.024 χ^2/NDF: 272757.0/15

Left Out: 78.248+/-0.013 χ^2/NDF:282536.1/22

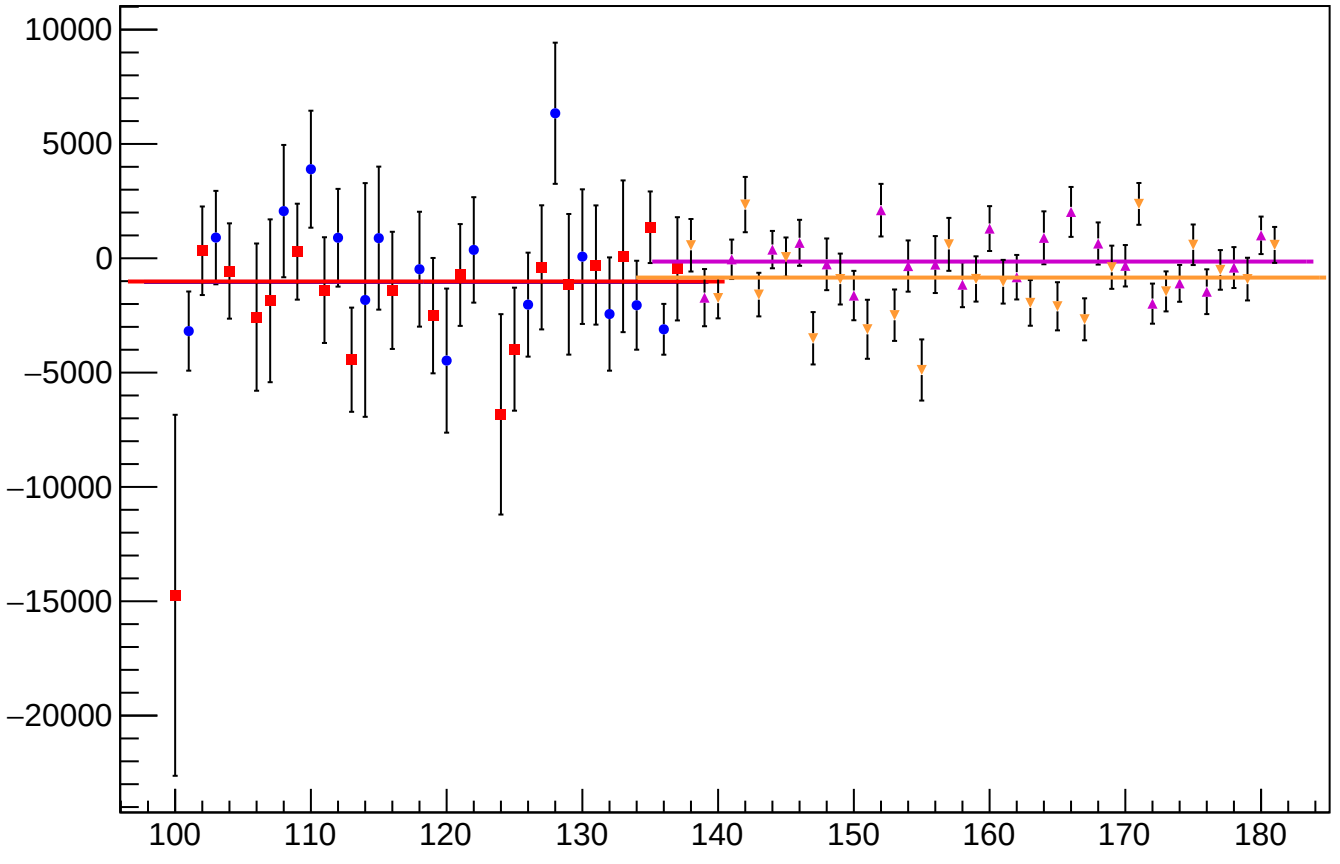
Right Out: 92.108+/-0.024 χ^2/NDF: 300768.0/18

Left In: 77.862+/-0.013 χ^2/NDF:181838.7/20

+ sign 81.064+/-0.011 χ^2/NDF: 764692.5/38

All: 81.118+/-0.008 χ^2/NDF: 1513428.8/78

- sign 81.175+/-0.012 χ^2/NDF: 748690.2/39



Right In: -1035.009+/-550.208 χ^2/NDF: 20.2/15

Left Out: -843.765+/-205.708 χ^2/NDF:58.3/22

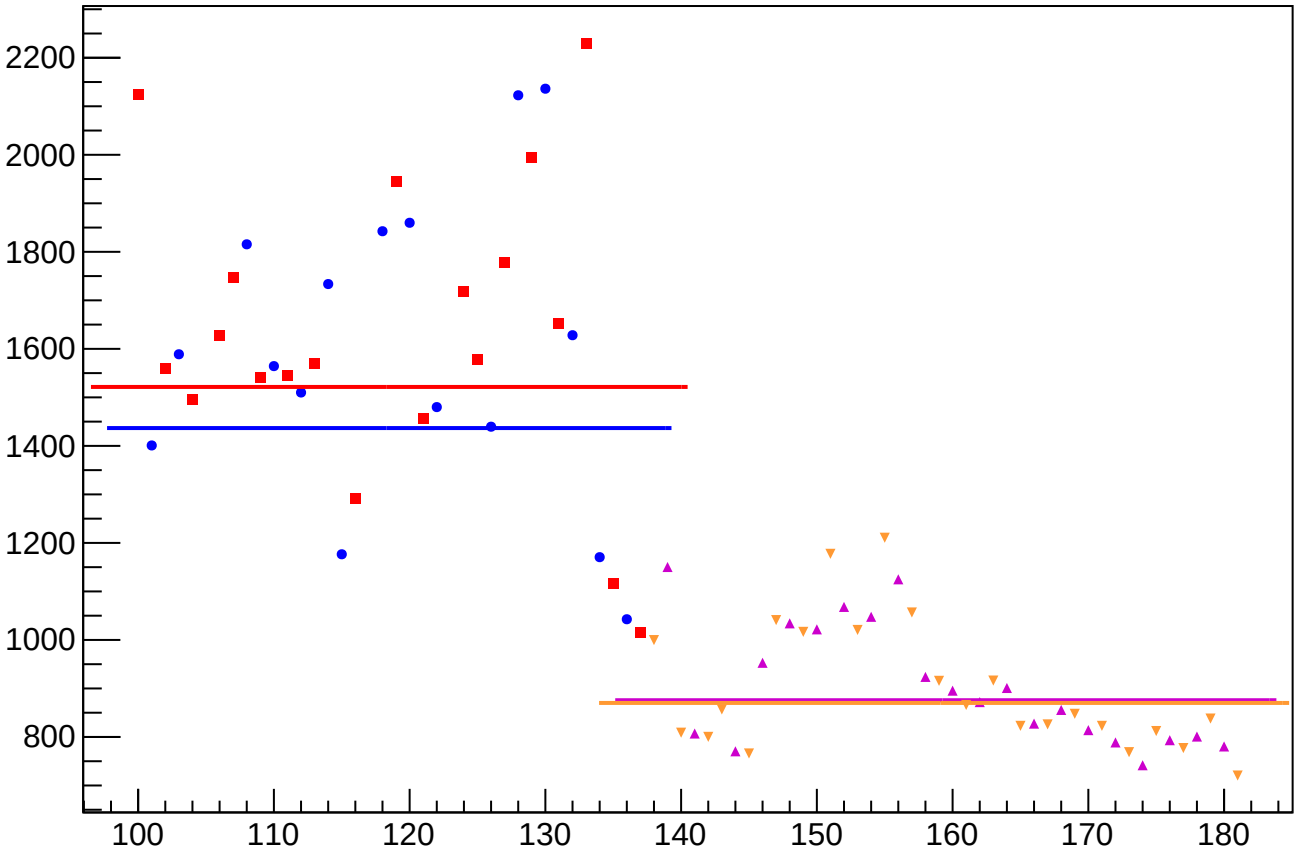
Right Out: -1015.387+/-569.773 χ^2/NDF: 12.5/18

Left In: -143.884+/-213.046 χ^2/NDF:27.3/20

+ sign -867.219+/-192.682 χ^2/NDF: 78.7/38

All: -569.797+/-138.612 χ^2/NDF: 125.5/78

- sign -250.785+/-199.553 χ^2/NDF: 41.9/39



Right In: 1436.738+/-0.389 χ^2/NDF: 675680.8/15

Left Out: 870.161+/-0.145 χ^2/NDF:638296.2/22

Right Out: 1521.496+/-0.403 χ^2/NDF: 498363.4/18

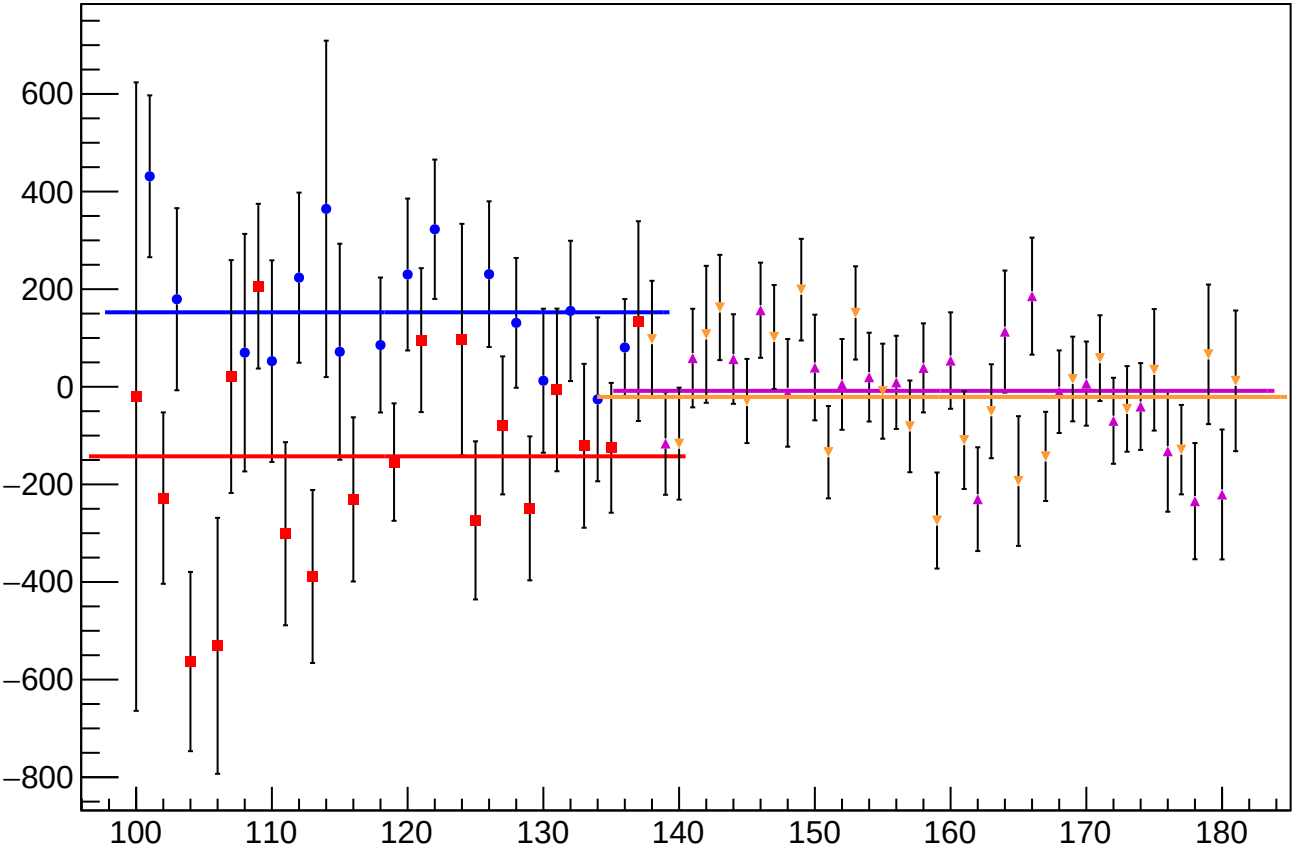
Left In: 875.735+/-0.151 χ^2/NDF:563861.9/20

+ sign 939.645+/-0.136 χ^2/NDF: 3174654.9/38

All: 947.028+/-0.098 χ^2/NDF: 6496879.6/78

- sign 954.946+/-0.141 χ^2/NDF: 3316140.0/39

dit_asym_sam_24_68_dd_mean vs Slug



Right In: 152.626+/-39.446 χ^2/NDF: 8.6/15

Left Out: -20.823+/-21.330 χ^2/NDF:30.4/22

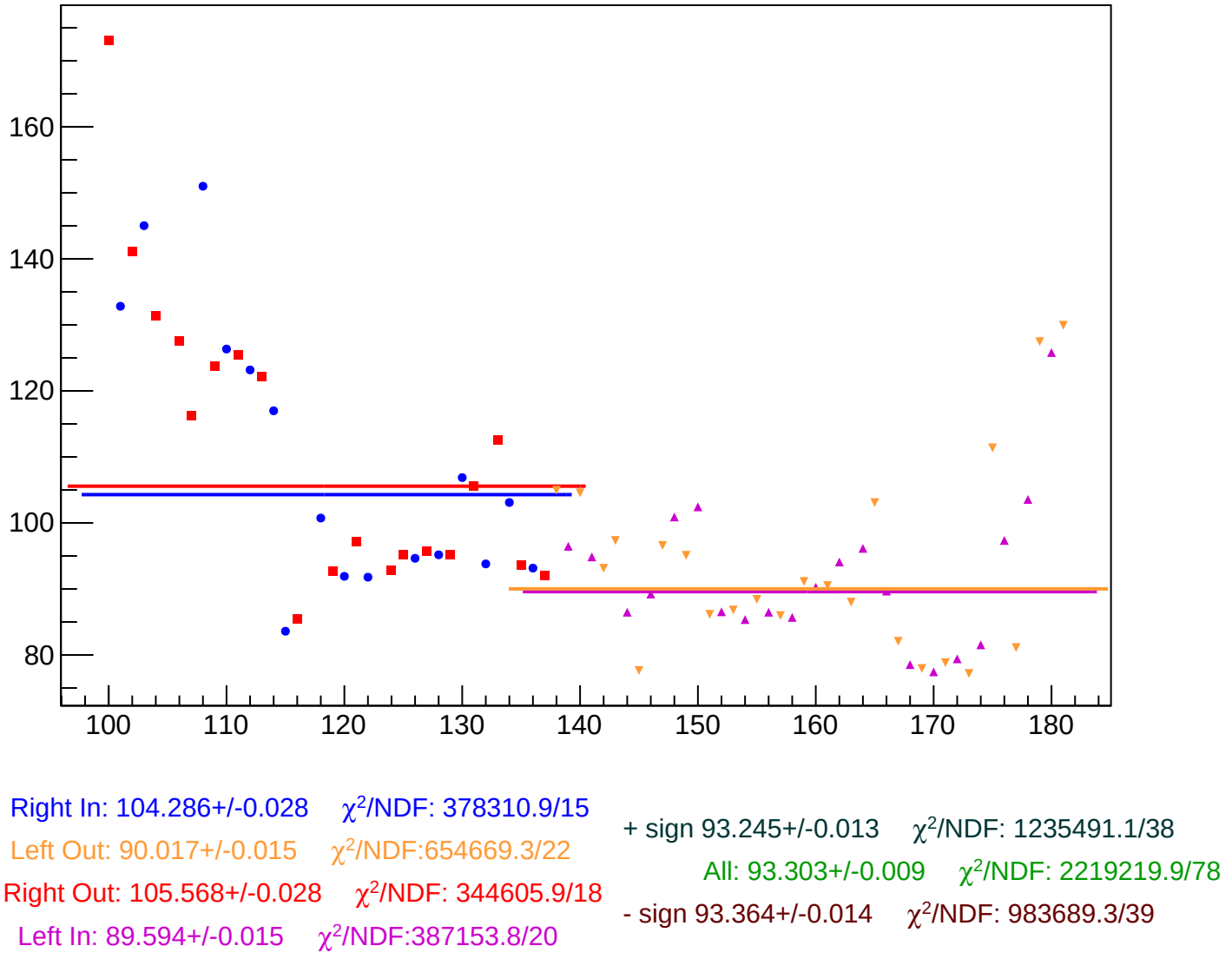
Right Out: -142.496+/-39.340 χ^2/NDF: 22.9/18

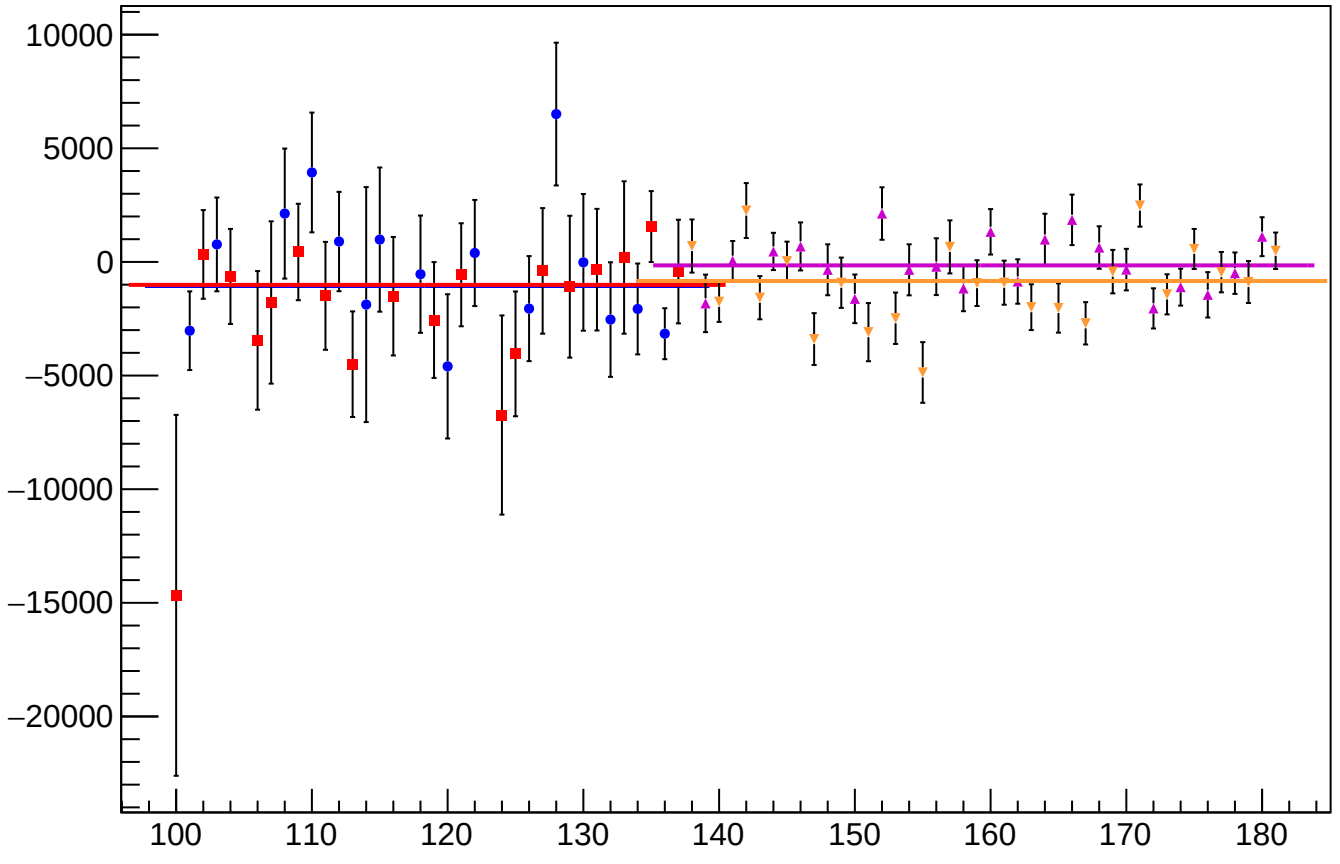
Left In: -8.343+/-21.864 χ^2/NDF:21.6/20

+ sign 18.418+/-18.762 χ^2/NDF: 53.9/38

All: -10.254+/-13.389 χ^2/NDF: 112.1/78

- sign -40.001+/-19.111 χ^2/NDF: 53.4/39


dit_asym_sam_24_68_dd_rms vs Slug
160
140
120
100
80
100
110
120
130
140
150
160
170
180
Right In: 104.286+/-0.028 χ²/NDF: 378310.9/15
Left Out: 90.017+/-0.015 χ²/NDF:654669.3/22
Right Out: 105.568+/-0.028 χ²/NDF: 344605.9/18
Left In: 89.594+/-0.015 χ²/NDF:387153.8/20
+ sign 93.245+/-0.013 χ²/NDF: 1235491.1/38
All: 93.303+/-0.009 χ²/NDF: 2219219.9/78
- sign 93.364+/-0.014 χ²/NDF: 983689.3/39



Right In: -1059.357+/-557.645 χ^2/NDF: 20.0/15

Left Out: -838.496+/-207.286 χ^2/NDF:57.4/22

Right Out: -1009.907+/-575.100 χ^2/NDF: 13.3/18

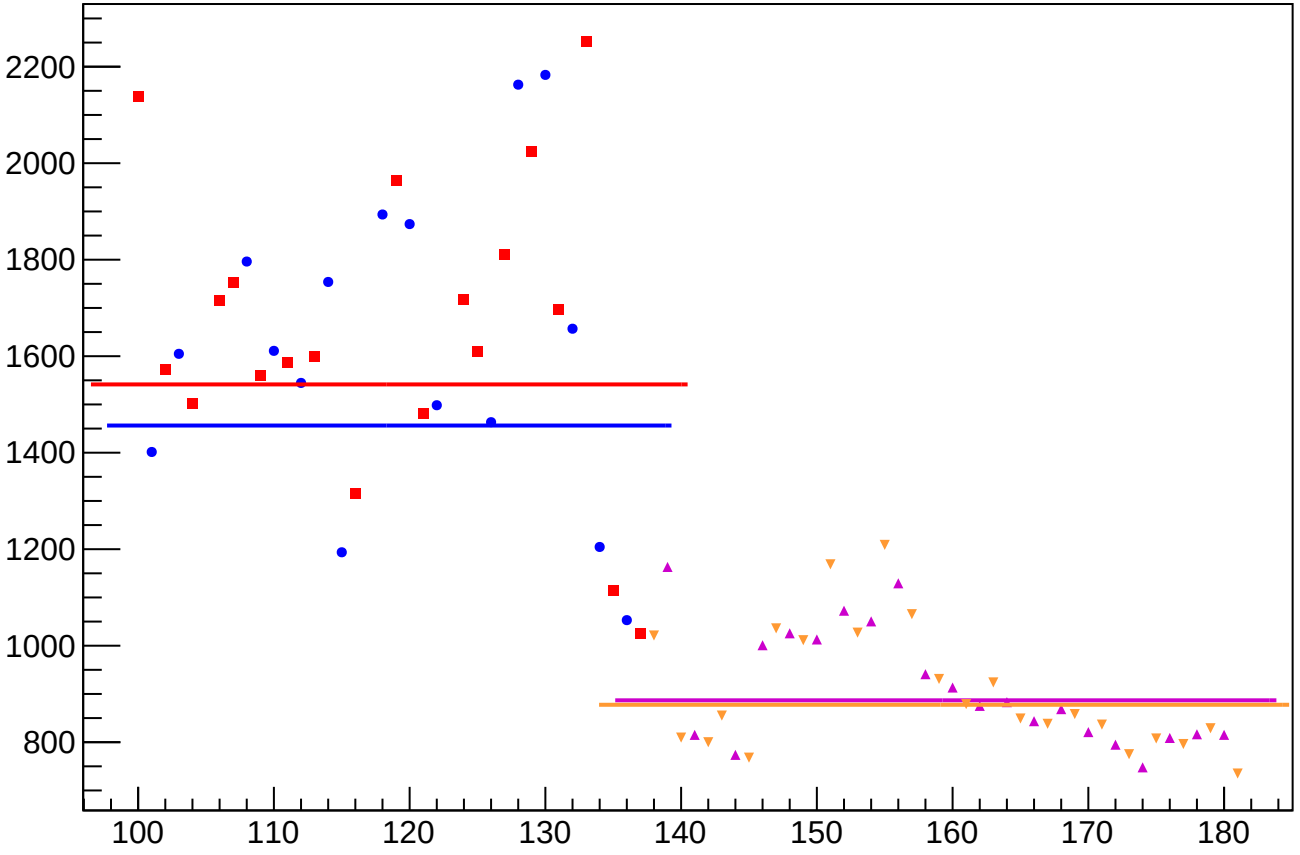
Left In: -151.848+/-215.604 χ^2/NDF:27.5/20

+ sign -865.309+/-194.297 χ^2/NDF: 77.5/38

All: -573.079+/-139.994 χ^2/NDF: 125.0/78

- sign -257.586+/-201.883 χ^2/NDF: 42.8/39

asym_sam_24_68_dd_dit_correction_rms vs Slug



Right In: 1456.303+/-0.394 χ^2/NDF: 684806.5/15

Left Out: 877.567+/-0.147 χ^2/NDF:609460.7/22

Right Out: 1541.522+/-0.407 χ^2/NDF: 519336.6/18

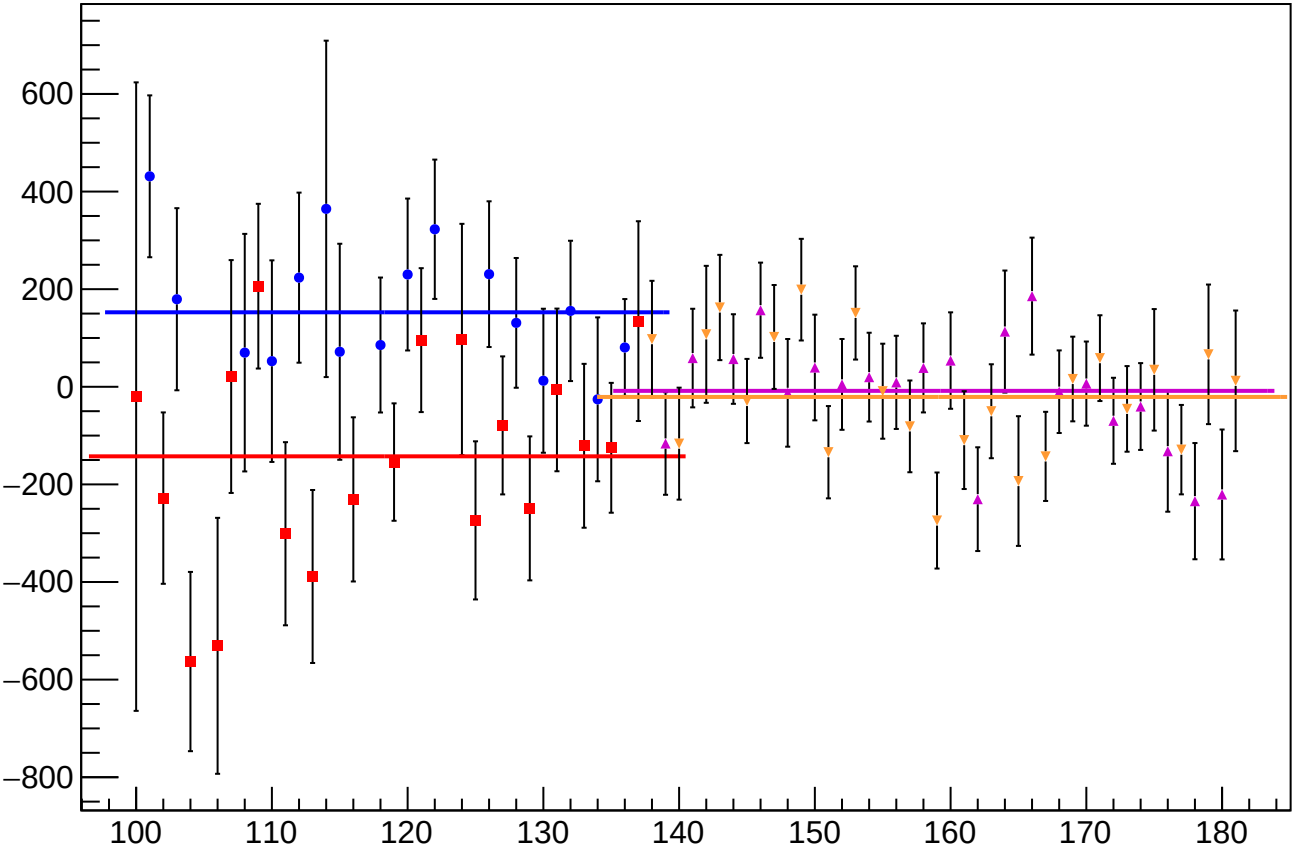
Left In: 886.807+/-0.152 χ^2/NDF:538303.4/20

+ sign 947.825+/-0.137 χ^2/NDF: 3186903.0/38

All: 957.280+/-0.099 χ^2/NDF: 6527052.1/78

- sign 967.487+/-0.143 χ^2/NDF: 3330301.2/39

eigen_dit_asym_sam_24_68_dd_mean vs Slug



Right In: 152.628+/-39.446 χ^2/NDF: 8.6/15

Left Out: -20.823+/-21.330 χ^2/NDF:30.3/22

Right Out: -142.494+/-39.340 χ^2/NDF: 22.9/18

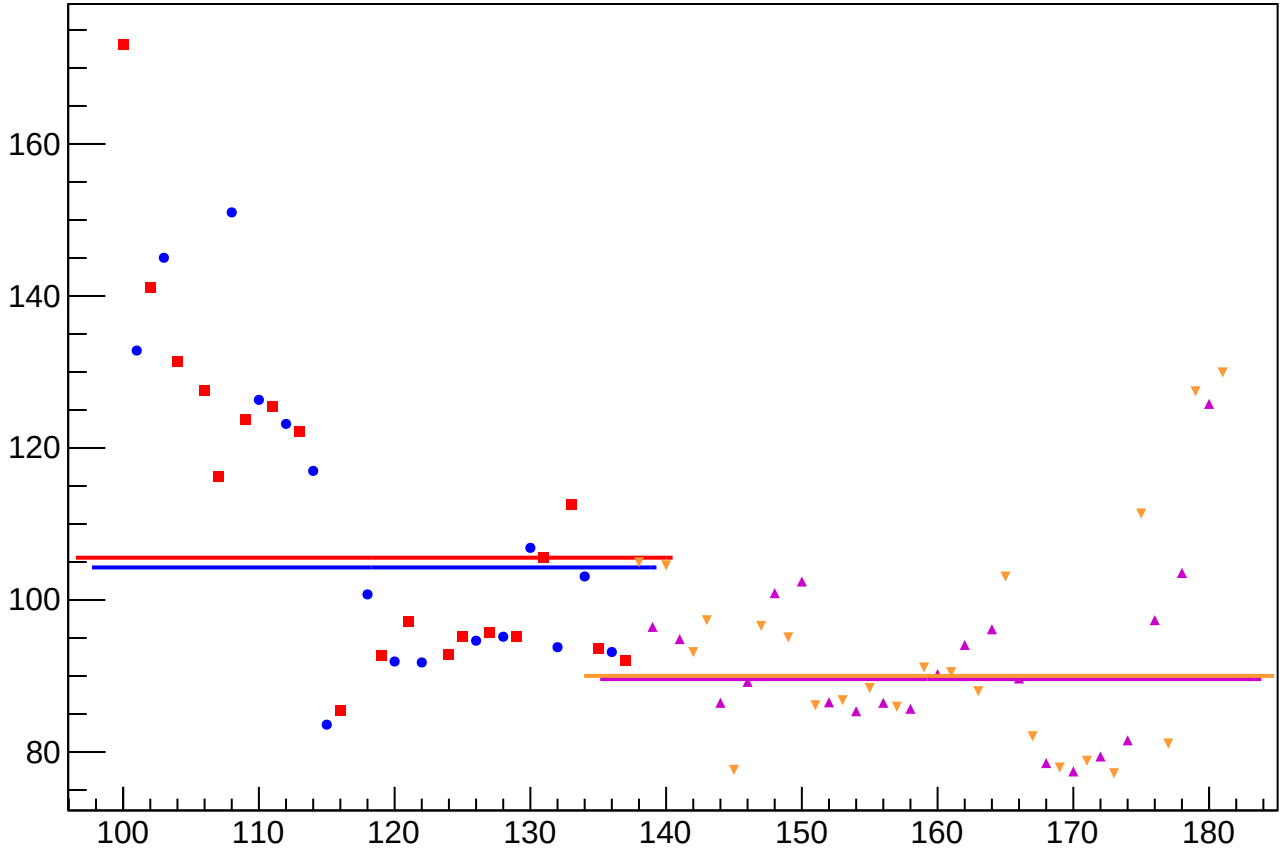
Left In: -8.342+/-21.864 χ^2/NDF:21.6/20

+ sign 18.419+/-18.762 χ^2/NDF: 53.9/38

All: -10.253+/-13.389 χ^2/NDF: 112.1/78

- sign -40.001+/-19.111 χ^2/NDF: 53.4/39

eigen_dit_asym_sam_24_68_dd_rms vs Slug



Right In: 104.285+/-0.028 χ^2/NDF: 378313.2/15

Left Out: 90.017+/-0.015 χ^2/NDF:654675.5/22

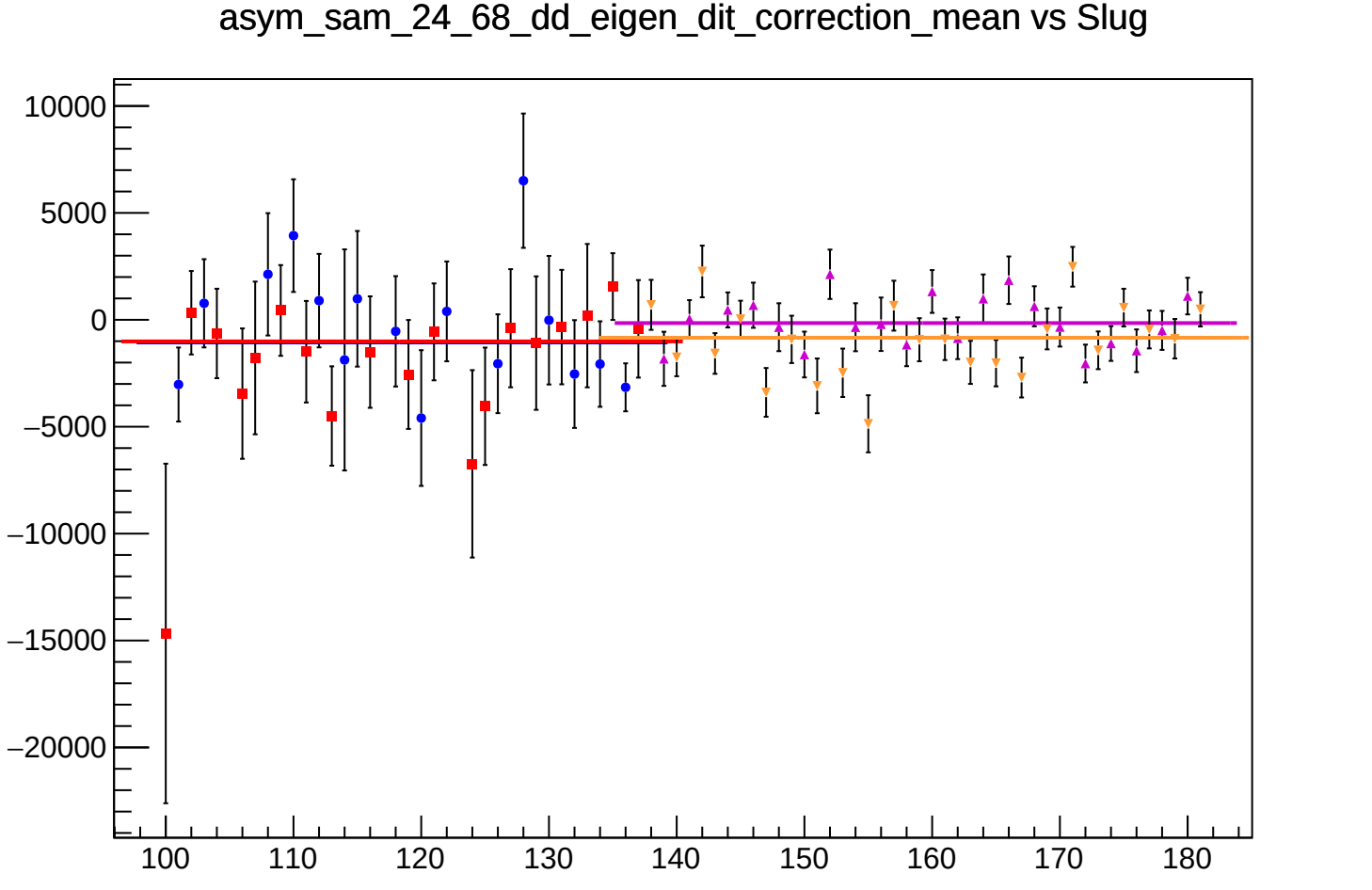
Right Out: 105.567+/-0.028 χ^2/NDF: 344605.1/18

Left In: 89.594+/-0.015 χ^2/NDF:387145.1/20

\+ sign 93.245+/-0.013 χ^2/NDF: 1235471.5/38

All: 93.303+/-0.009 χ^2/NDF: 2219171.7/78

\- sign 93.364+/-0.014 χ^2/NDF: 983660.7/39



Right In: -1059.353+/-557.644 χ^2/NDF: 20.0/15

Left Out: -838.496+/-207.286 χ^2/NDF:57.4/22

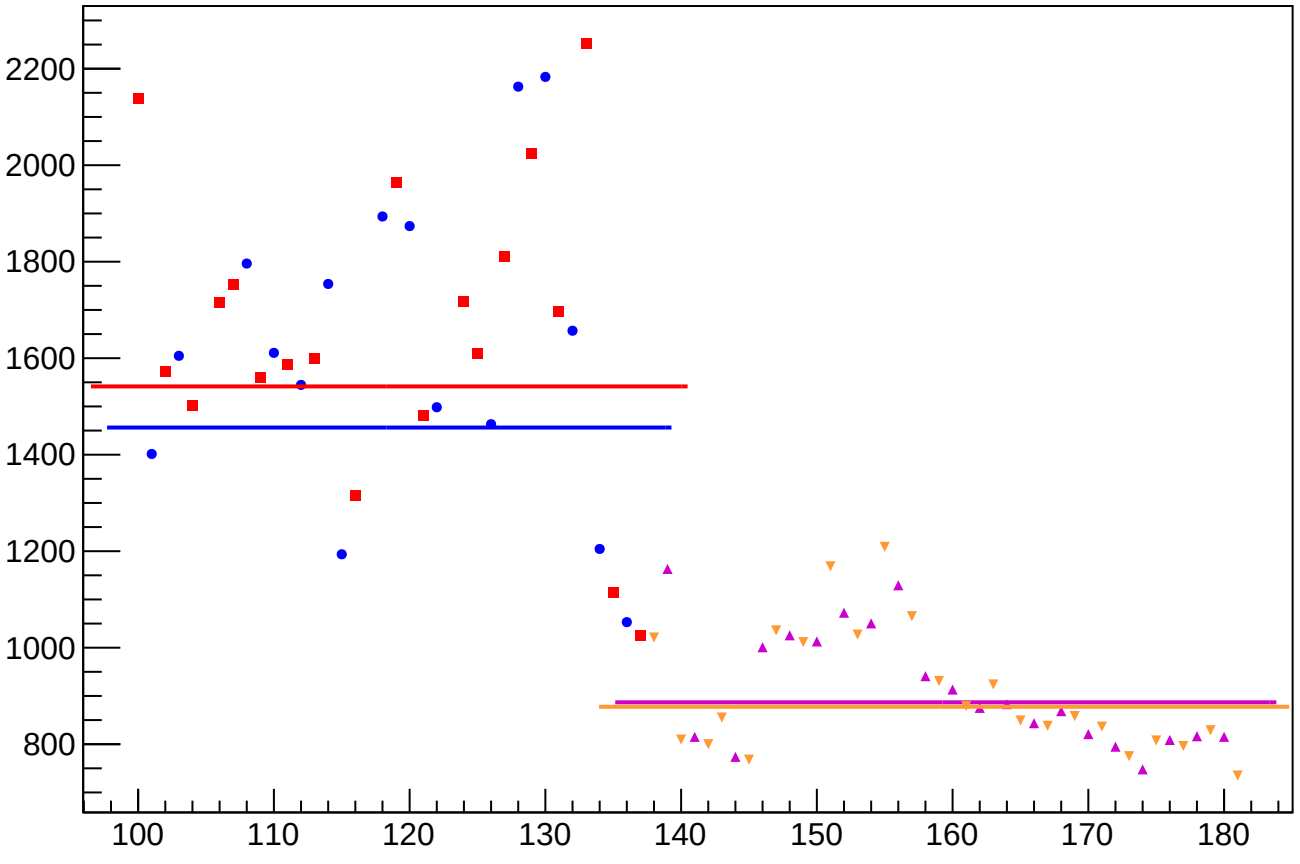
Right Out: -1009.907+/-575.099 χ^2/NDF: 13.3/18

Left In: -151.847+/-215.604 χ^2/NDF:27.5/20

\+ sign -865.308+/-194.297 χ^2/NDF: 77.5/38

All: -573.079+/-139.994 χ^2/NDF: 125.0/78

\- sign -257.585+/-201.883 χ^2/NDF: 42.8/39



Right In: 1456.301+/-0.394 χ^2/NDF: 684803.6/15

Left Out: 877.566+/-0.147 χ^2/NDF:609462.6/22

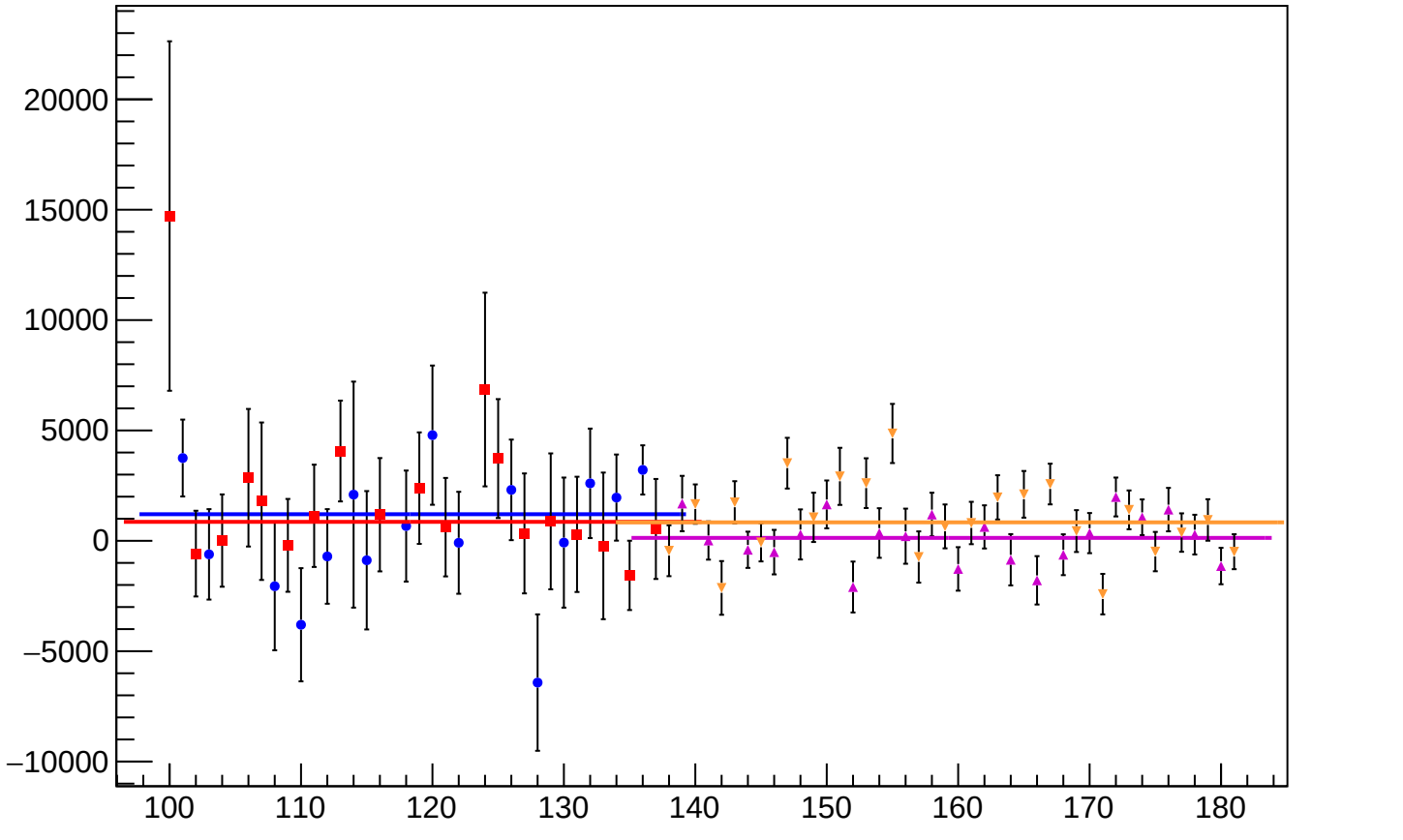
Right Out: 1541.520+/-0.407 χ^2/NDF: 519336.6/18

Left In: 886.806+/-0.152 χ^2/NDF:538303.9/20

+ sign 947.825+/-0.137 χ^2/NDF: 3186896.6/38

All: 957.279+/-0.099 χ^2/NDF: 6527039.8/78

- sign 967.486+/-0.143 χ^2/NDF: 3330295.4/39



Right In: 1204.691+/-551.729 χ^2/NDF: 21.1/15

Left Out: 836.868+/-206.625 χ^2/NDF:56.2/22

Right Out: 859.290+/-570.391 χ^2/NDF: 12.5/18

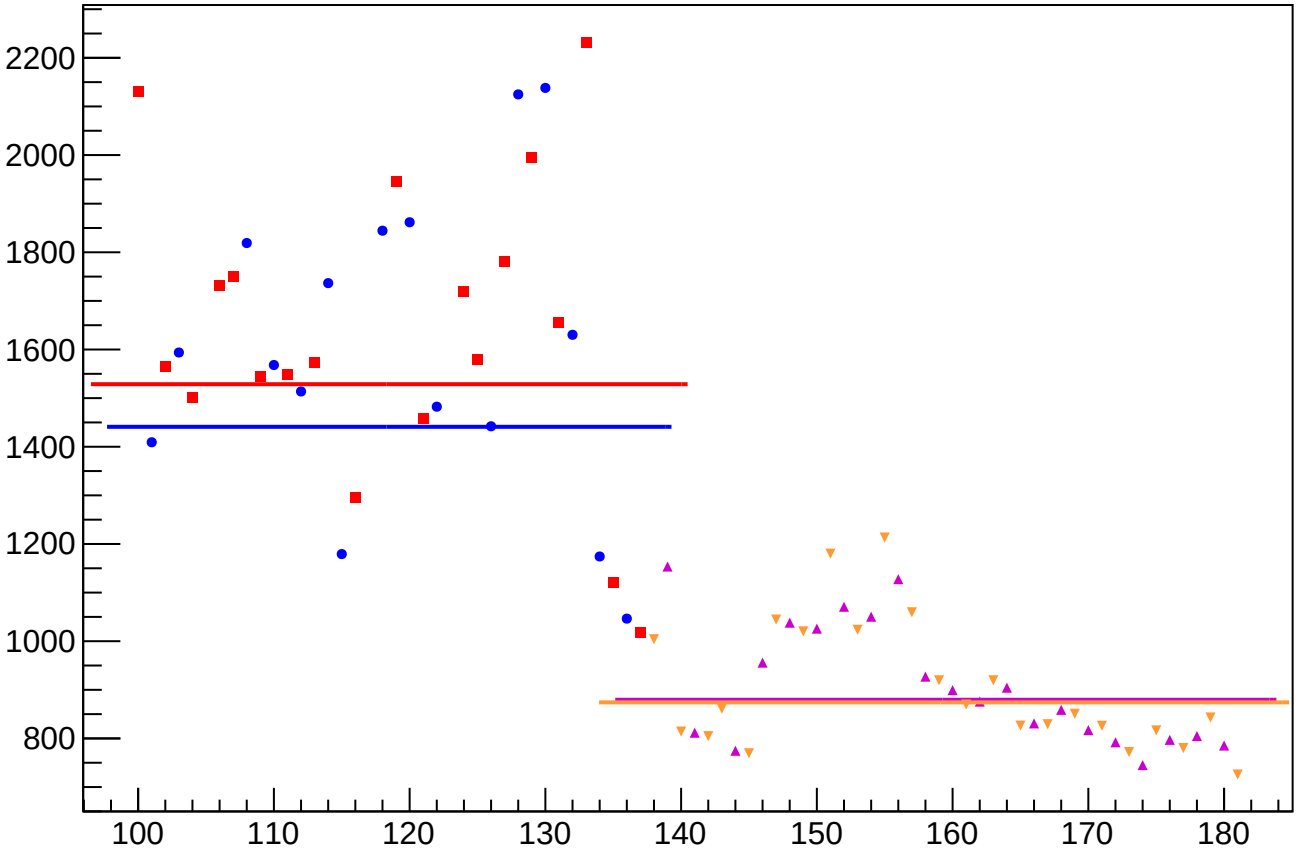
Left In: 132.589+/-213.954 χ^2/NDF:26.0/20

+ sign 882.111+/-193.500 χ^2/NDF: 77.8/38

All: 563.599+/-139.175 χ^2/NDF: 123.3/78

- sign 222.224+/-200.325 χ^2/NDF: 39.9/39

asym_sam_24_68_dd_rms vs Slug



Right In: 1441.025+/-0.390 χ^2/NDF: 670674.6/15

Left Out: 874.176+/-0.146 χ^2/NDF:629779.4/22

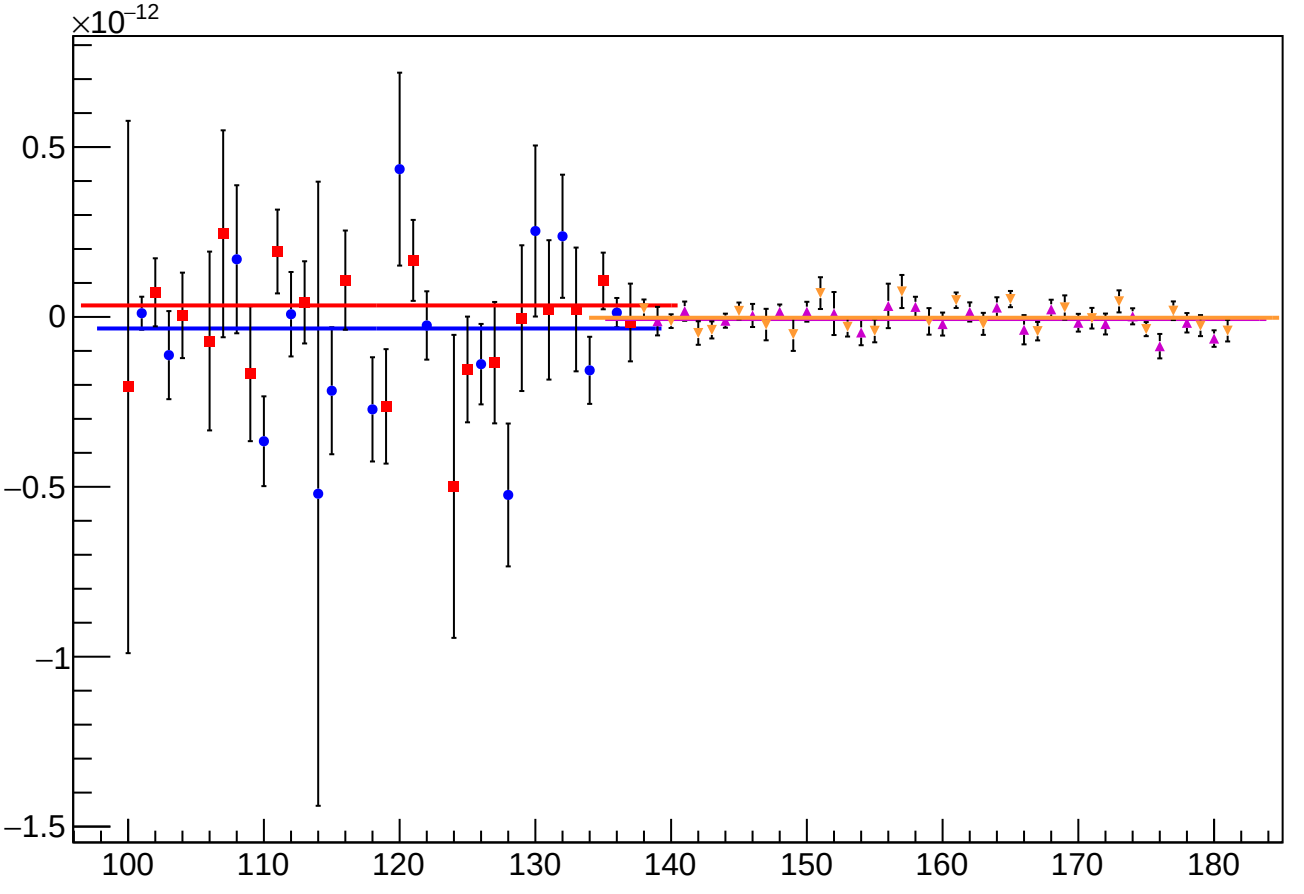
Right Out: 1528.652+/-0.403 χ^2/NDF: 501717.6/18

Left In: 879.578+/-0.151 χ^2/NDF:556868.2/20

+ sign 943.899+/-0.137 χ^2/NDF: 3151904.0/38

All: 951.496+/-0.098 χ^2/NDF: 6487270.7/78

- sign 959.638+/-0.142 χ^2/NDF: 3328980.4/39



Right In: -0.000+/-0.000 χ^2/NDF: 27.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:35.0/22

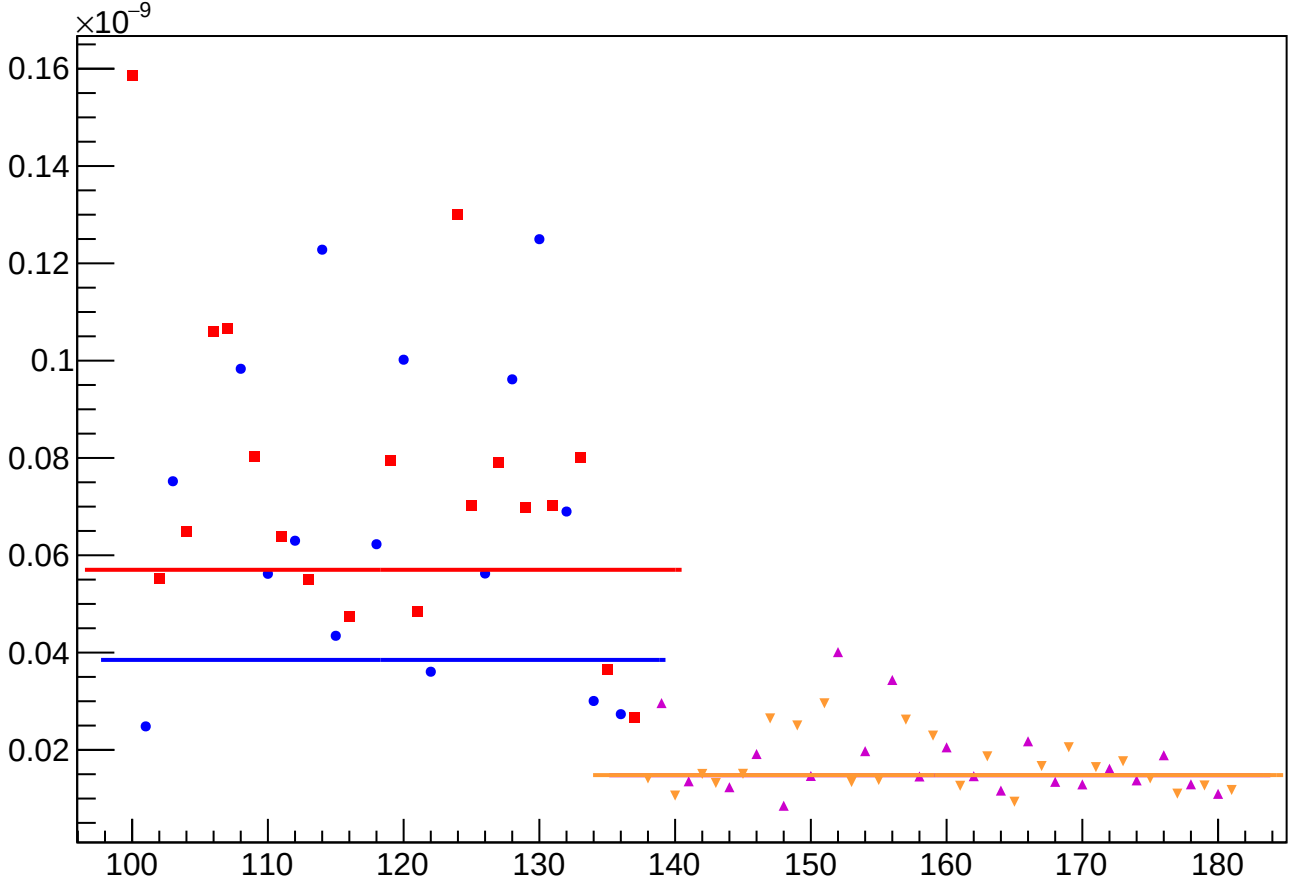
Right Out: 0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: -0.000+/-0.000 χ^2/NDF:20.1/20

+ sign -0.000+/-0.000 χ^2/NDF: 63.9/38

All: -0.000+/-0.000 χ^2/NDF: 98.3/78

- sign -0.000+/-0.000 χ^2/NDF: 34.4/39



Right In: 0.000+/-0.000 χ^2/NDF: 1382311.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:1014158.8/22

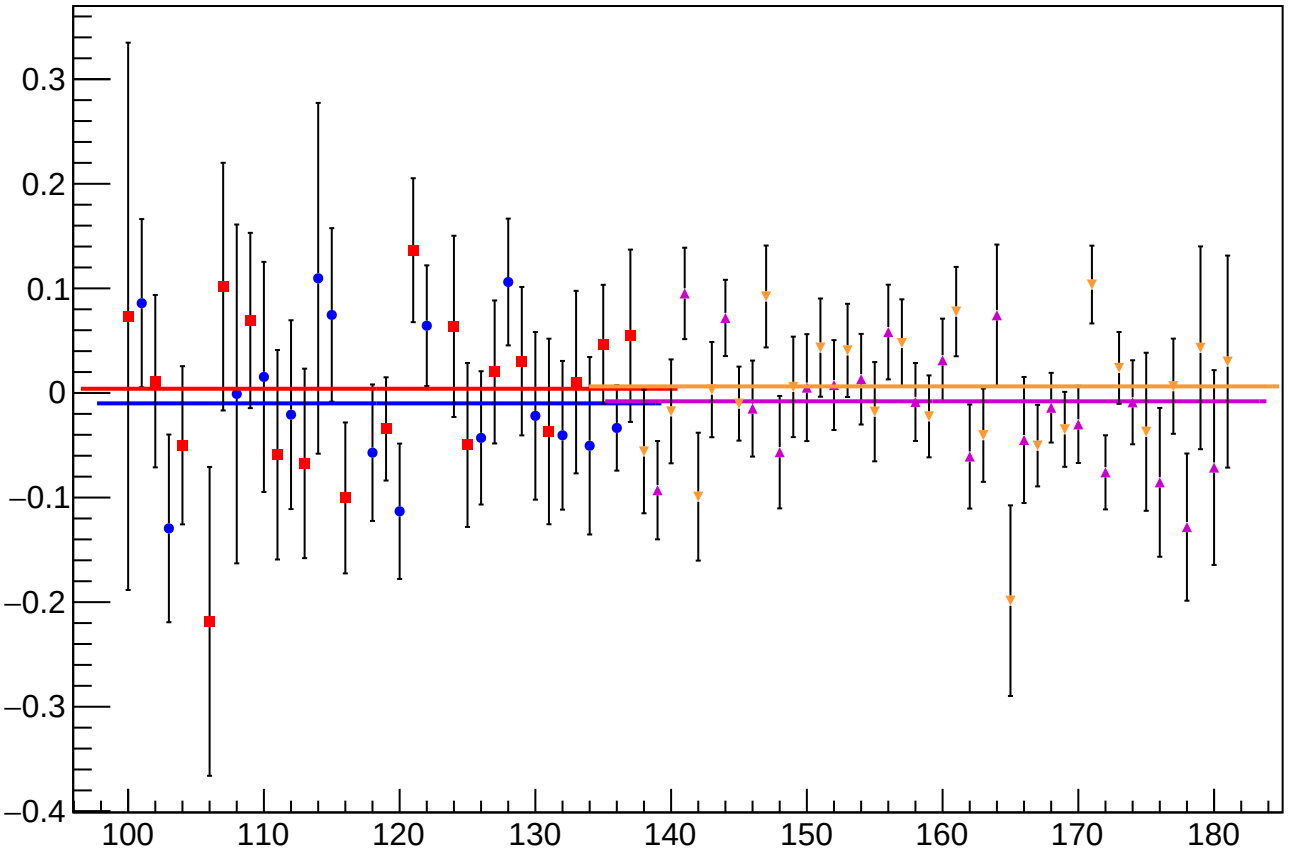
Right Out: 0.000+/-0.000 χ^2/NDF: 660994.1/18

Left In: 0.000+/-0.000 χ^2/NDF:1256807.3/20

+ sign 0.000+/-0.000 χ^2/NDF: 4083305.2/38

All: 0.000+/-0.000 χ^2/NDF: 9012822.2/78

- sign 0.000+/-0.000 χ^2/NDF: 4928910.7/39



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.006+/-0.010 χ^2/NDF:30.7/22

Right Out: 0.004+/-0.018 χ^2/NDF: 13.9/18

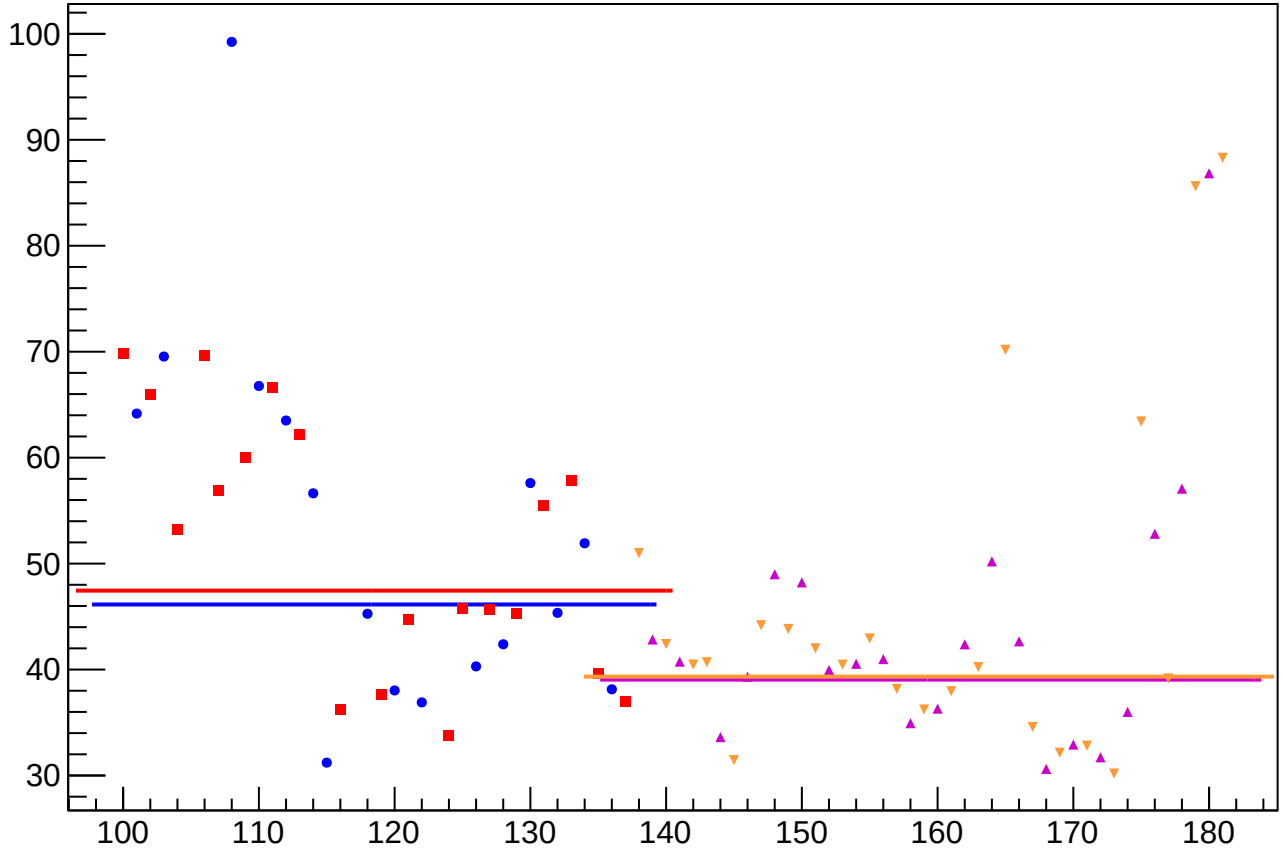
Left In: -0.008+/-0.010 χ^2/NDF:29.6/20

+ sign 0.003+/-0.008 χ^2/NDF: 45.5/38

All: -0.001+/-0.006 χ^2/NDF: 89.8/78

- sign -0.005+/-0.009 χ^2/NDF: 43.8/39

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: 39.331+/-0.007 χ^2/NDF:1929022.8/22

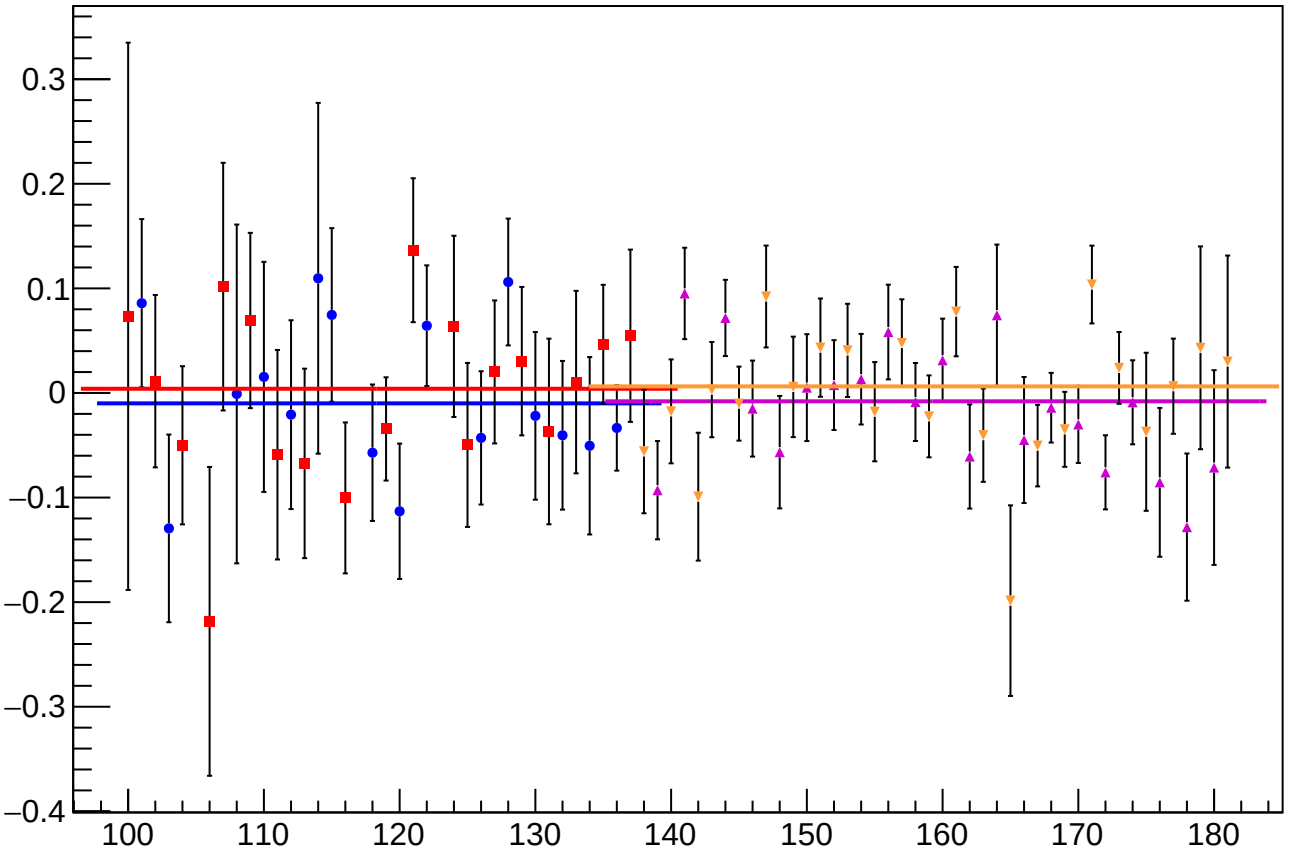
Right Out: 47.450+/-0.013 χ^2/NDF: 654693.6/18

Left In: 39.049+/-0.007 χ^2/NDF:1318240.8/20

+ sign 40.850+/-0.006 χ^2/NDF: 3054942.0/38

All: 40.909+/-0.004 χ^2/NDF: 5360658.6/78

- sign 40.969+/-0.006 χ^2/NDF: 2305522.0/39



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.006+/-0.010 χ^2/NDF:30.7/22

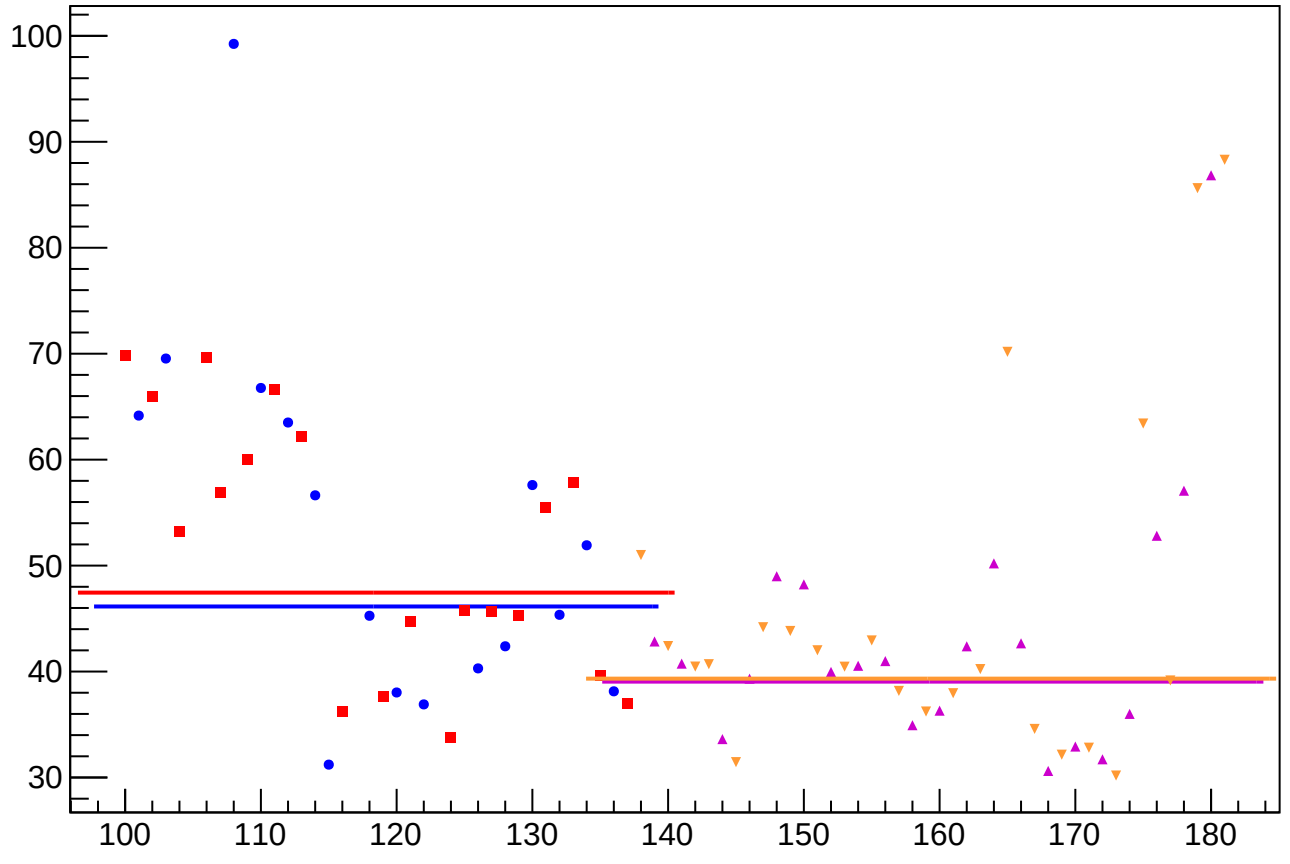
Right Out: 0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: -0.008+/-0.010 χ^2/NDF:29.6/20

+ sign 0.003+/-0.008 χ^2/NDF: 45.5/38

All: -0.001+/-0.006 χ^2/NDF: 89.8/78

- sign -0.005+/-0.009 χ^2/NDF: 43.8/39



Right In: 46.141+/-0.013 χ^2/NDF: 903280.2/15

Left Out: 39.331+/-0.007 χ^2/NDF:1929022.8/22

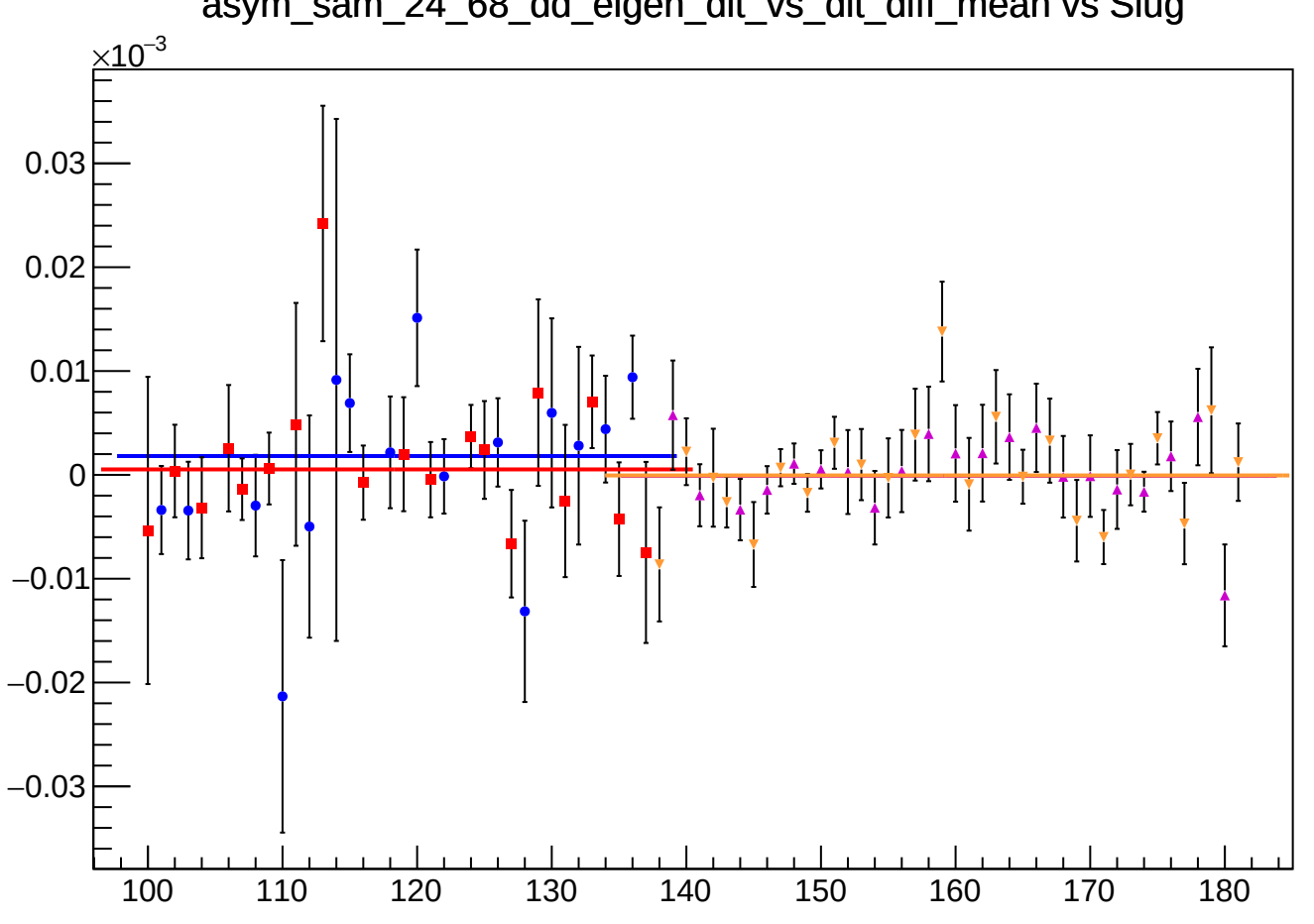
Right Out: 47.450+/-0.013 χ^2/NDF: 654693.6/18

Left In: 39.049+/-0.007 χ^2/NDF:1318240.8/20

+ sign 40.850+/-0.006 χ^2/NDF: 3054942.0/38

All: 40.909+/-0.004 χ^2/NDF: 5360658.6/78

- sign 40.969+/-0.006 χ^2/NDF: 2305522.0/39



Right In: 0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:31.8/22

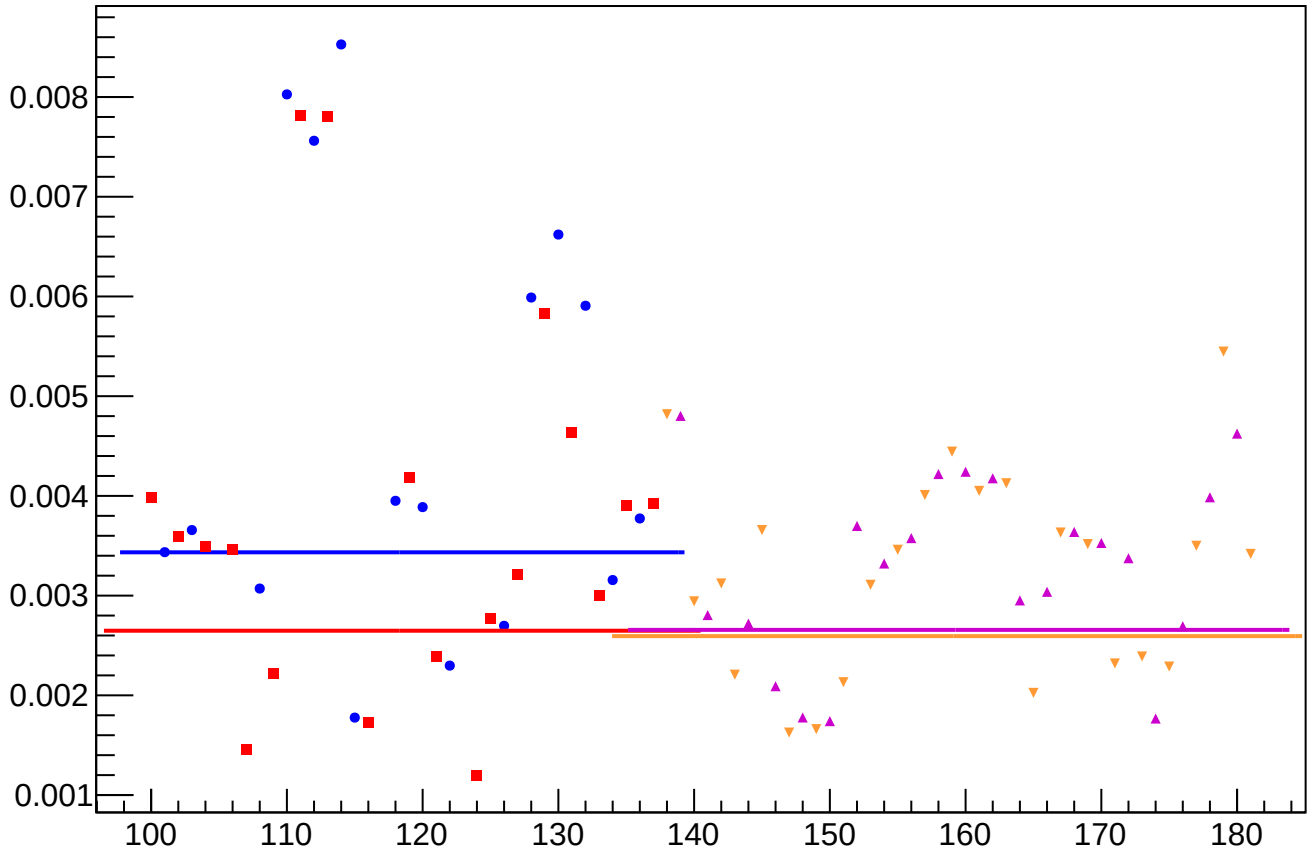
Right Out: 0.000+/-0.000 χ^2/NDF: 13.8/18

Left In: -0.000+/-0.000 χ^2/NDF:15.7/20

+ sign 0.000+/-0.000 χ^2/NDF: 53.3/38

All: 0.000+/-0.000 χ^2/NDF: 83.1/78

- sign 0.000+/-0.000 χ^2/NDF: 29.7/39



Right In: 0.003+/-0.000 χ^2/NDF: 1748561.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:3882946.4/22

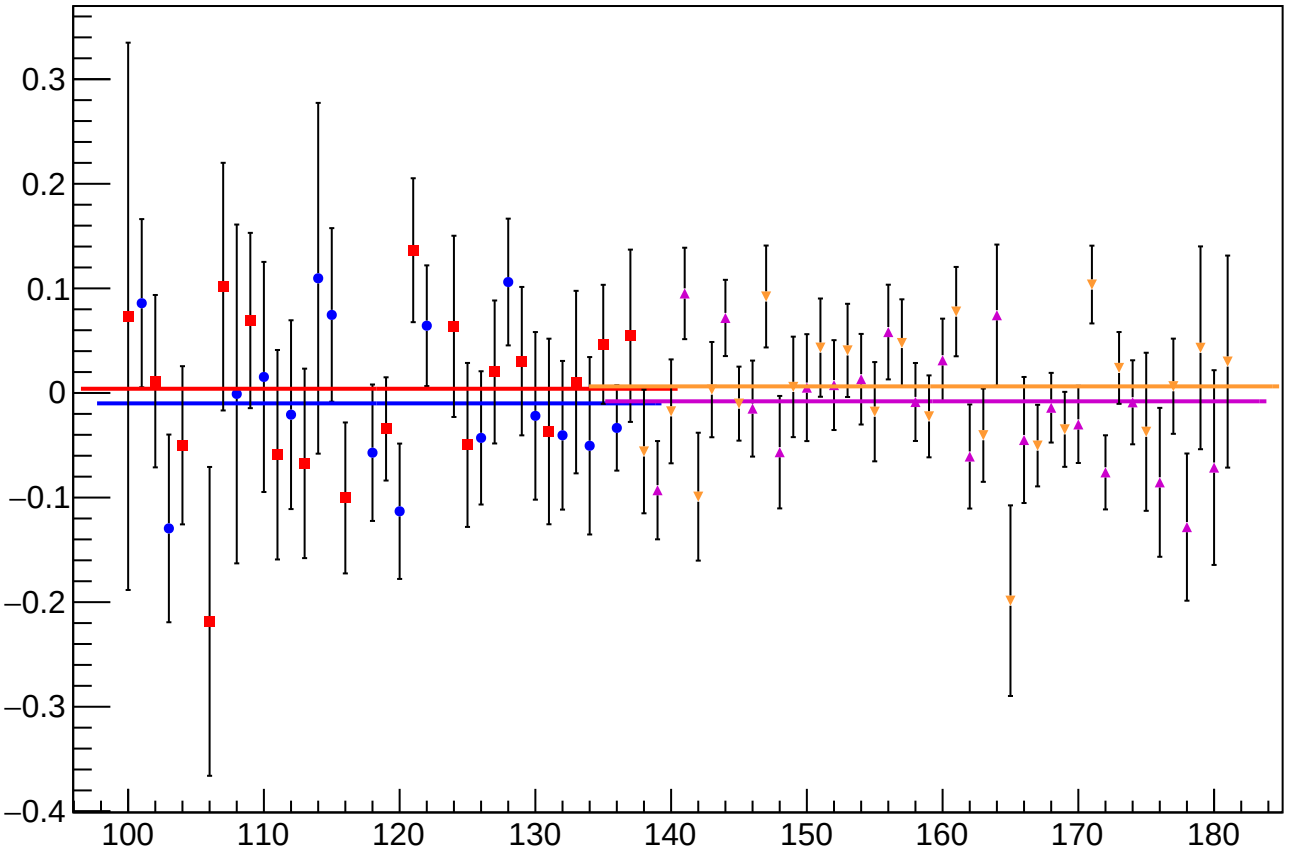
Right Out: 0.003+/-0.000 χ^2/NDF: 2696872.6/18

Left In: 0.003+/-0.000 χ^2/NDF:3591641.1/20

\+ sign 0.003+/-0.000 χ^2/NDF: 6244855.1/38

All: 0.003+/-0.000 χ^2/NDF: 12558873.2/78

\- sign 0.003+/-0.000 χ^2/NDF: 6288600.8/39



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.006+/-0.010 χ^2/NDF:30.7/22

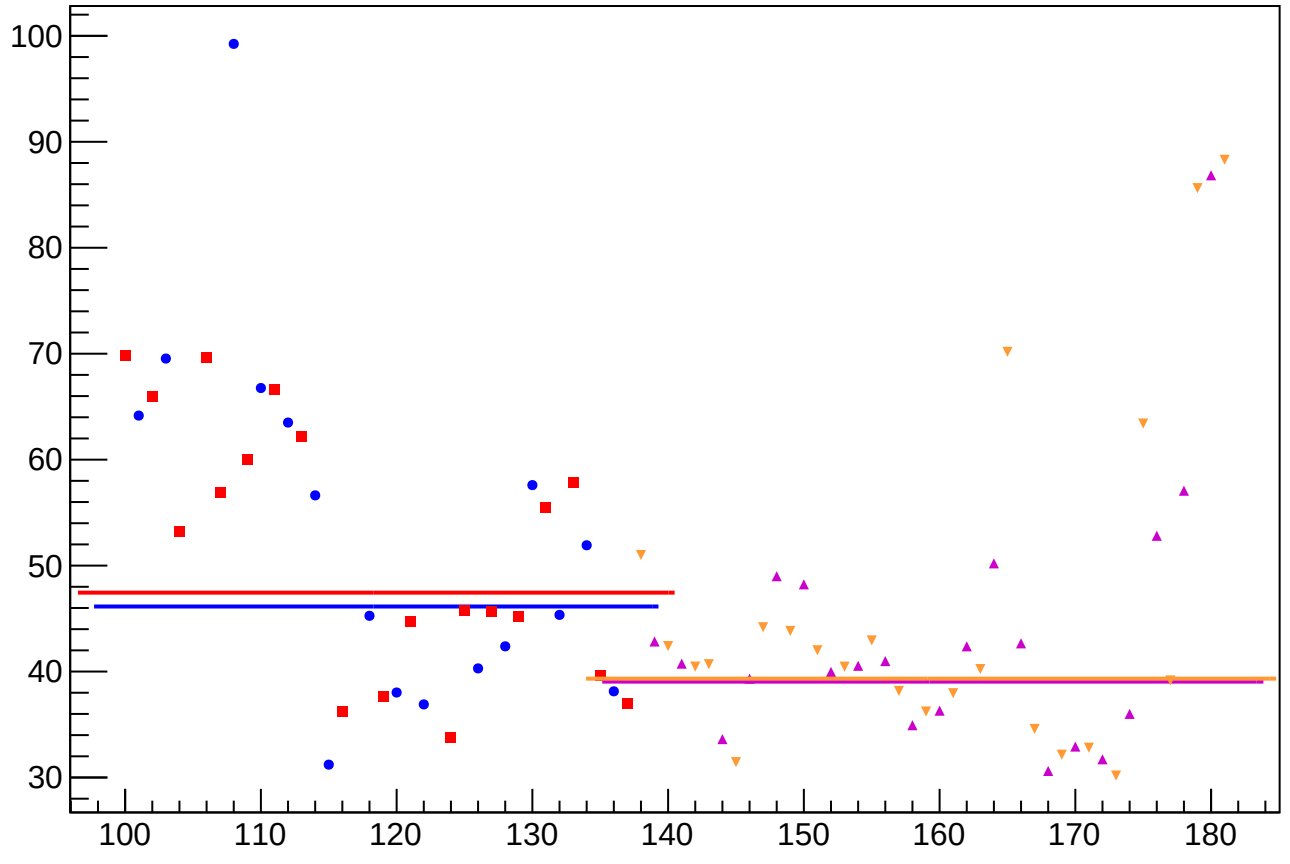
Right Out: 0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: -0.008+/-0.010 χ^2/NDF:29.6/20

+ sign 0.003+/-0.008 χ^2/NDF: 45.5/38

All: -0.001+/-0.006 χ^2/NDF: 89.8/78

- sign -0.005+/-0.009 χ^2/NDF: 43.8/39



Right In: 46.140+/-0.013 χ^2/NDF: 903251.1/15

Left Out: 39.331+/-0.007 χ^2/NDF:1929063.6/22

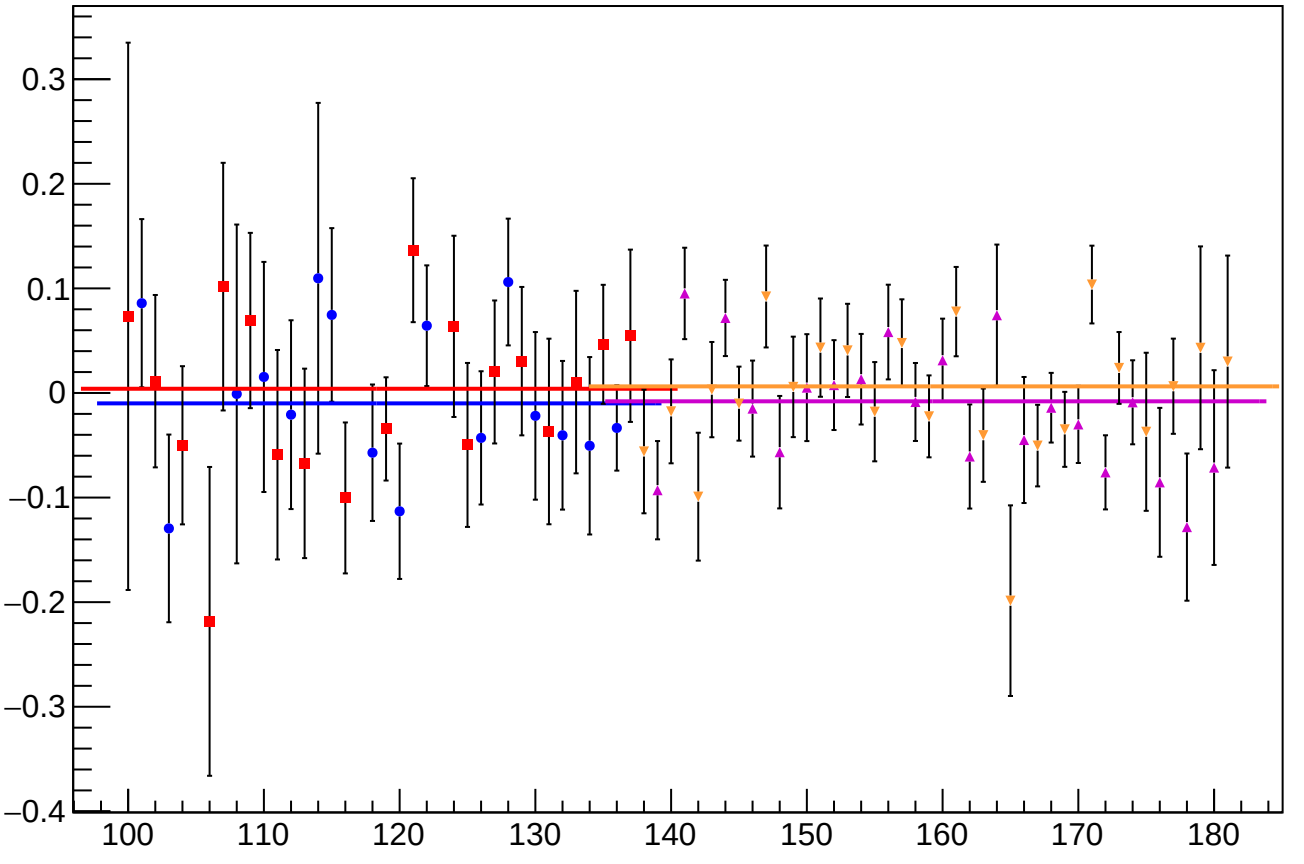
Right Out: 47.448+/-0.013 χ^2/NDF: 654687.8/18

Left In: 39.049+/-0.007 χ^2/NDF:1318267.3/20

+ sign 40.850+/-0.006 χ^2/NDF: 3054856.8/38

All: 40.908+/-0.004 χ^2/NDF: 5360526.3/78

- sign 40.969+/-0.006 χ^2/NDF: 2305475.4/39



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.006+/-0.010 χ^2/NDF:30.7/22

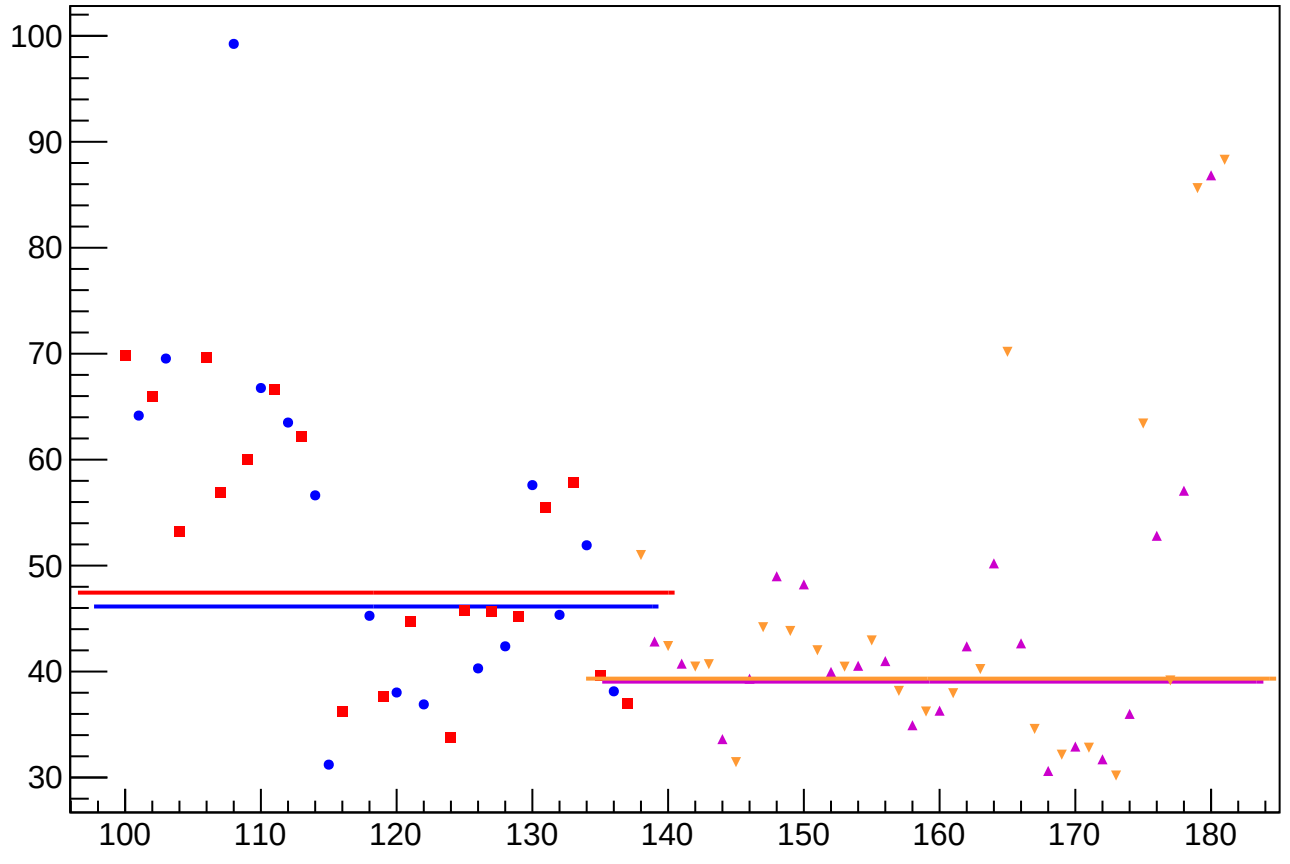
Right Out: 0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: -0.008+/-0.010 χ^2/NDF:29.6/20

+ sign 0.003+/-0.008 χ^2/NDF: 45.5/38

All: -0.001+/-0.006 χ^2/NDF: 89.8/78

- sign -0.005+/-0.009 χ^2/NDF: 43.8/39



Right In: 46.140+/-0.013 χ^2/NDF: 903251.1/15

Left Out: 39.331+/-0.007 χ^2/NDF:1929063.6/22

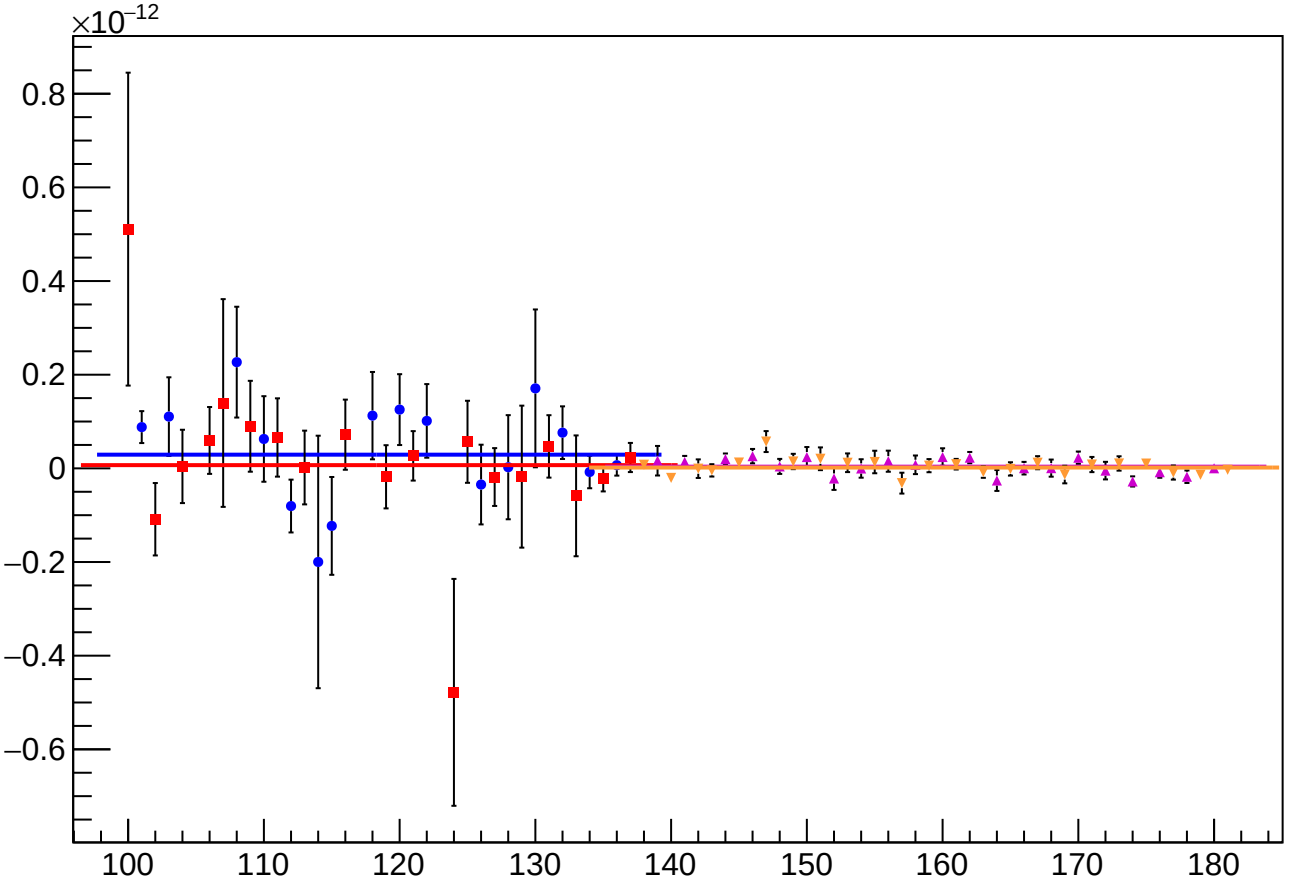
Right Out: 47.448+/-0.013 χ^2/NDF: 654687.8/18

Left In: 39.049+/-0.007 χ^2/NDF:1318267.3/20

+ sign 40.850+/-0.006 χ^2/NDF: 3054856.8/38

All: 40.908+/-0.004 χ^2/NDF: 5360526.3/78

- sign 40.969+/-0.006 χ^2/NDF: 2305475.4/39



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:22.9/22

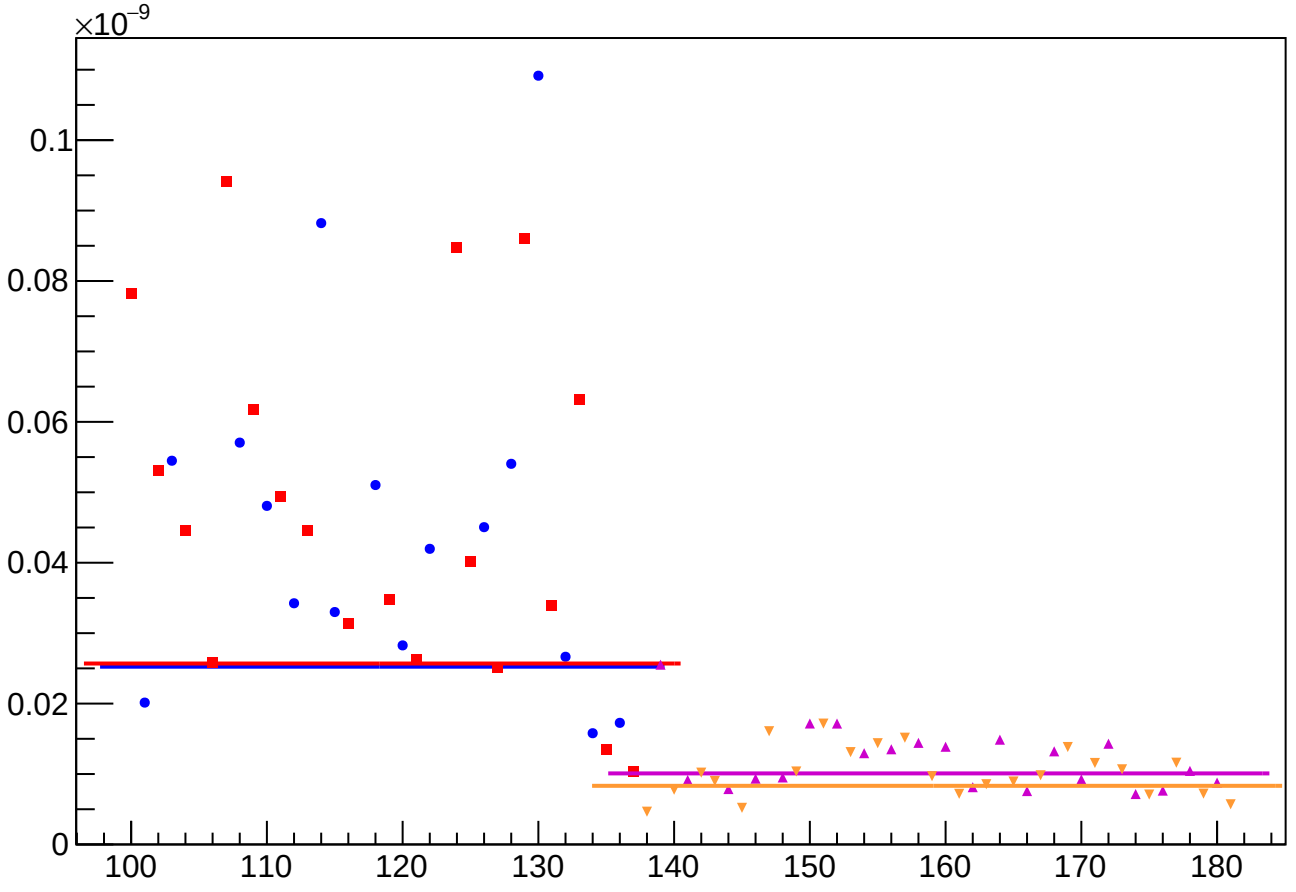
Right Out: 0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: 0.000+/-0.000 χ^2/NDF:27.1/20

+ sign 0.000+/-0.000 χ^2/NDF: 47.8/38

All: 0.000+/-0.000 χ^2/NDF: 89.3/78

- sign 0.000+/-0.000 χ^2/NDF: 41.4/39



Right In: 0.000+/-0.000 χ^2/NDF: 2117960.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:2239604.9/22

Right Out: 0.000+/-0.000 χ^2/NDF: 2790840.2/18

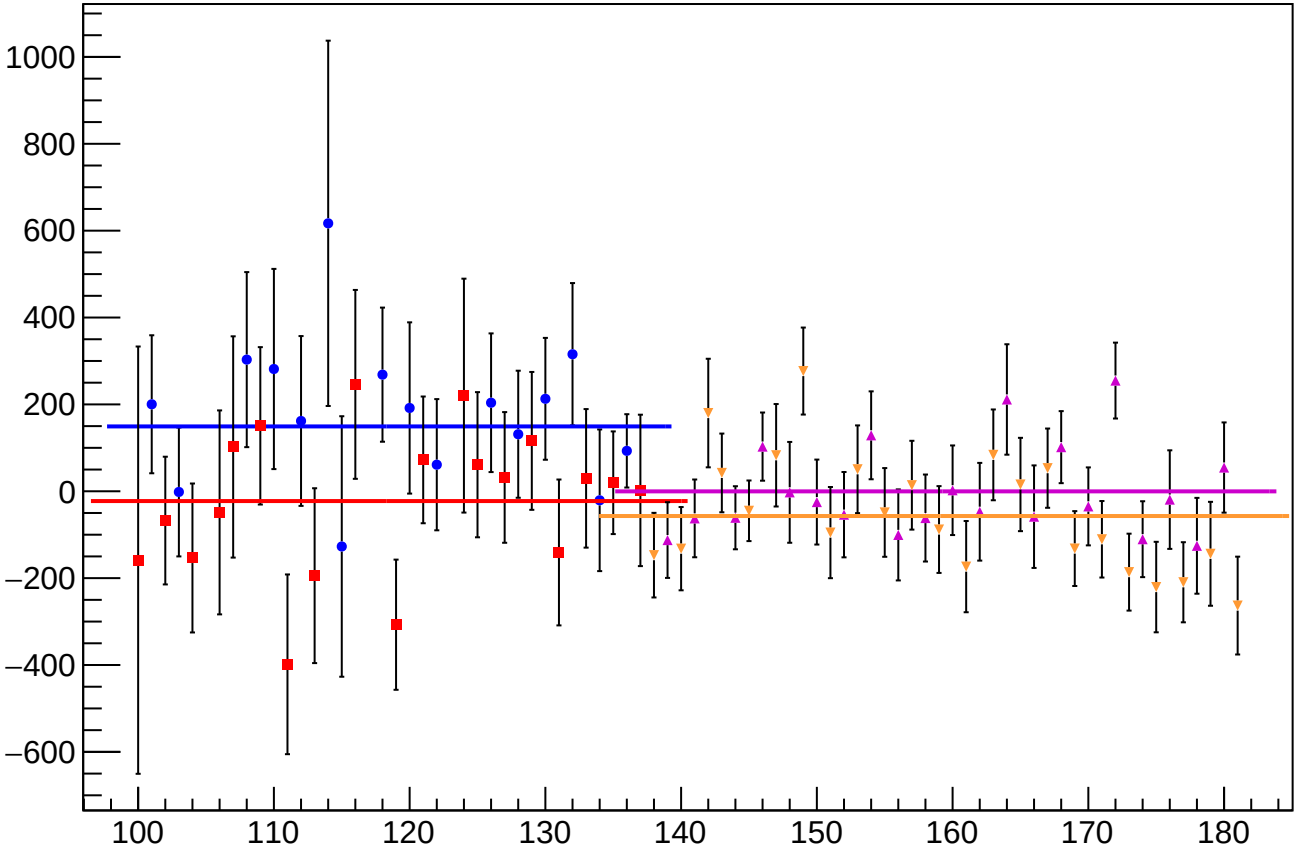
Left In: 0.000+/-0.000 χ^2/NDF:1862085.6/20

+ sign 0.000+/-0.000 χ^2/NDF: 7366734.5/38

All: 0.000+/-0.000 χ^2/NDF: 14671894.1/78

- sign 0.000+/-0.000 χ^2/NDF: 6900194.1/39

reg_asym_sam_26_48_dd_mean vs Slug



Right In: 149.303+/-39.687 χ^2/NDF: 8.0/15

Left Out: -56.988+/-20.429 χ^2/NDF:38.0/22

Right Out: -22.549+/-40.100 χ^2/NDF: 14.2/18

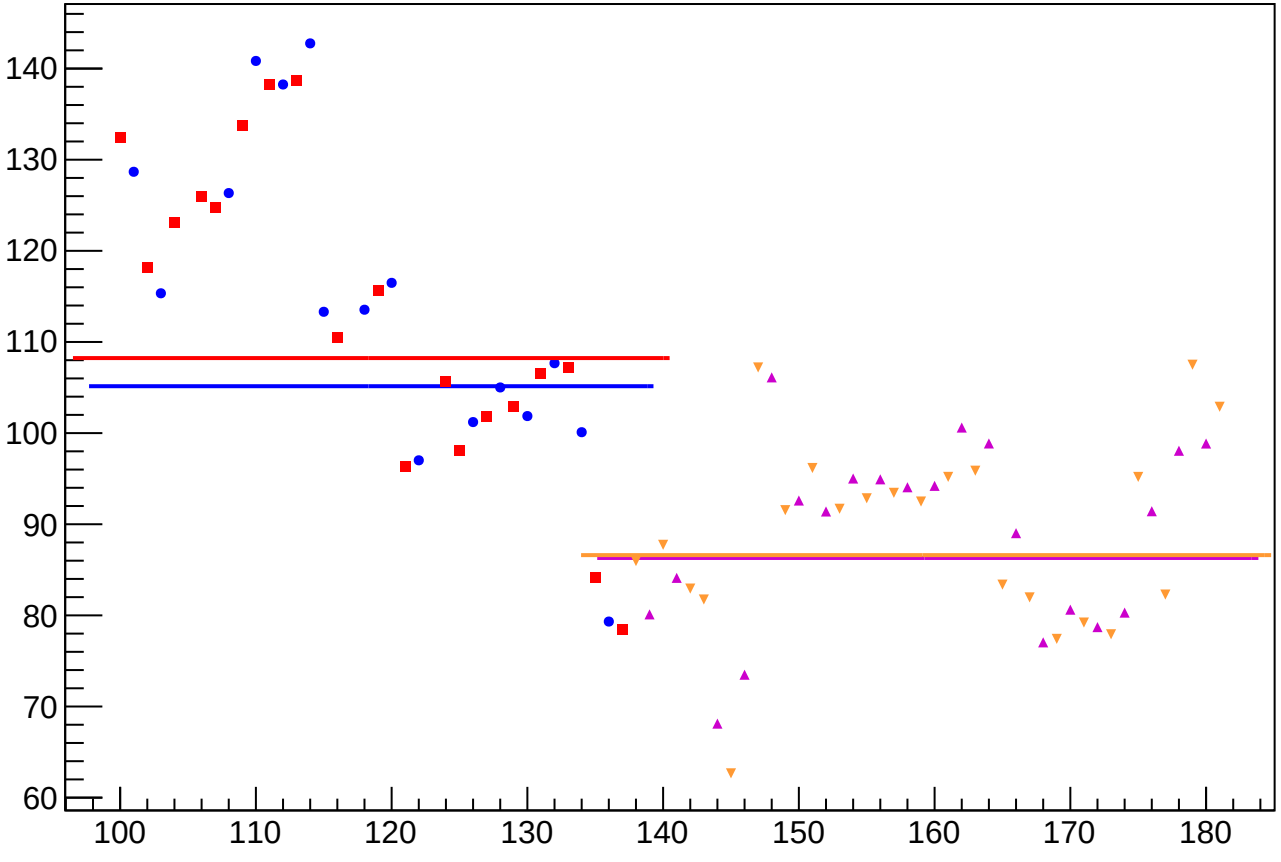
Left In: -0.229+/-20.989 χ^2/NDF:24.4/20

+ sign -13.777+/-18.164 χ^2/NDF: 67.3/38

All: -9.506+/-12.994 χ^2/NDF: 106.3/78

- sign -5.029+/-18.595 χ^2/NDF: 38.9/39

reg_asym_sam_26_48_dd_rms vs Slug



Right In: 105.146+/-0.028 χ^2/NDF: 408406.3/15

Left Out: 86.612+/-0.014 χ^2/NDF:567227.4/22

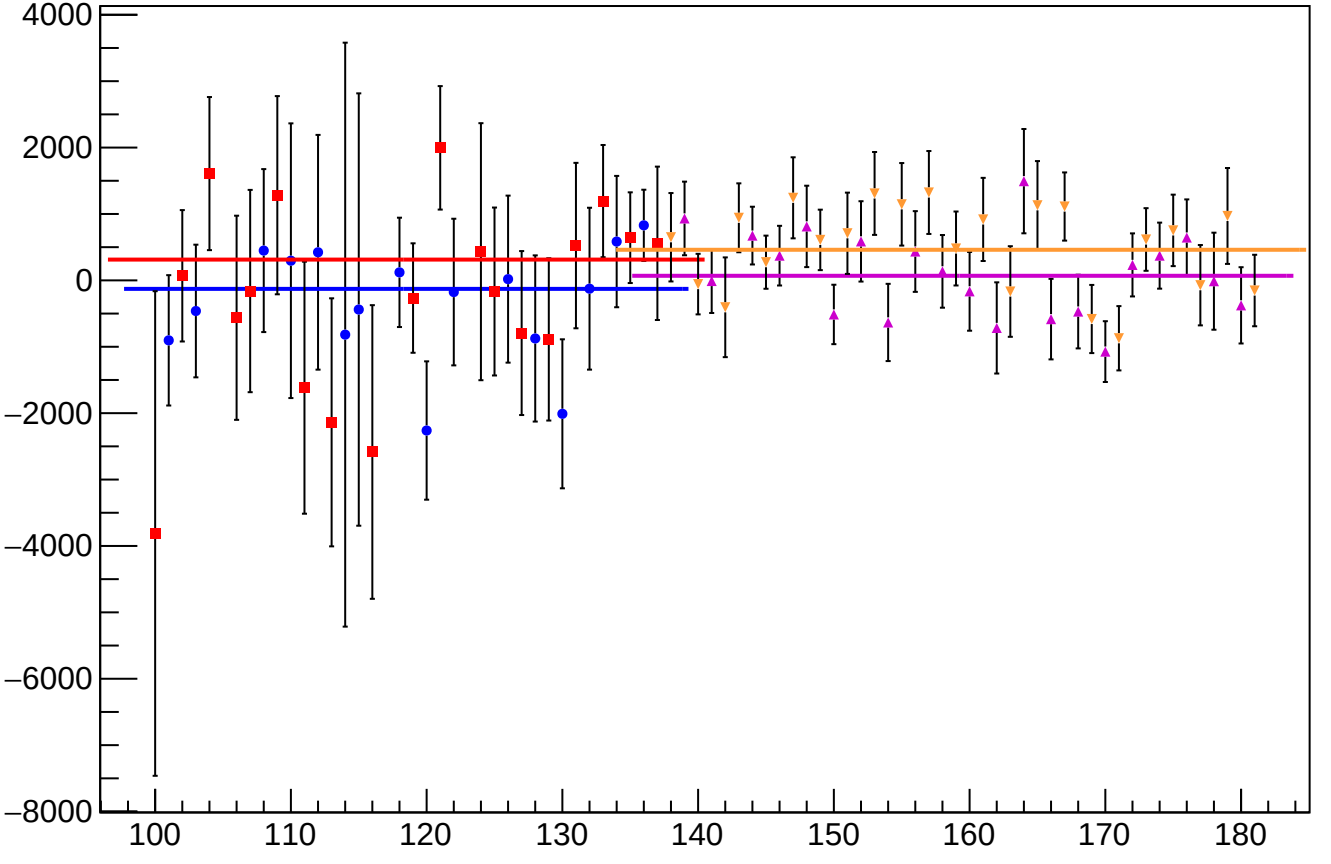
Right Out: 108.233+/-0.028 χ^2/NDF: 349936.1/18

Left In: 86.300+/-0.015 χ^2/NDF:480533.6/20

+ sign 90.494+/-0.013 χ^2/NDF: 1320470.9/38

All: 90.749+/-0.009 χ^2/NDF: 2621388.9/78

- sign 91.016+/-0.013 χ^2/NDF: 1300110.3/39



Right In: -128.056+/-268.611 χ^2/NDF: 12.3/15

Left Out: 460.759+/-115.644 χ^2/NDF:29.3/22

Right Out: 313.031+/-270.131 χ^2/NDF: 15.0/18

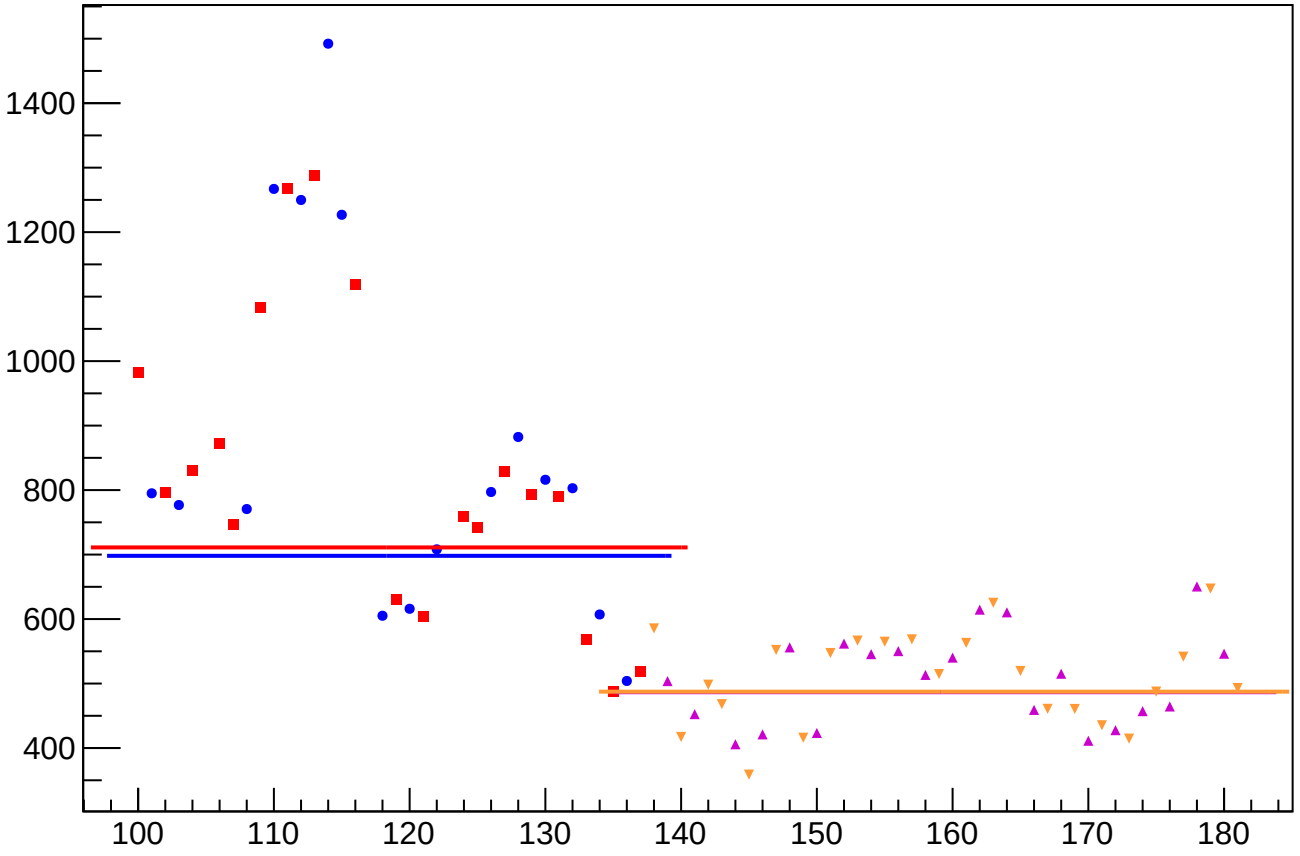
Left In: 69.044+/-118.742 χ^2/NDF:25.8/20

+ sign 368.687+/-106.218 χ^2/NDF: 45.7/38

All: 241.628+/-75.971 χ^2/NDF: 90.1/78

- sign 108.554+/-108.703 χ^2/NDF: 41.5/39

asym_sam_26_48_dd_reg_correction_rms vs Slug



Right In: 698.055+/-0.190 χ^2/NDF: 912851.5/15

Left Out: 487.415+/-0.082 χ^2/NDF:805026.6/22

Right Out: 711.088+/-0.191 χ^2/NDF: 1035118.4/18

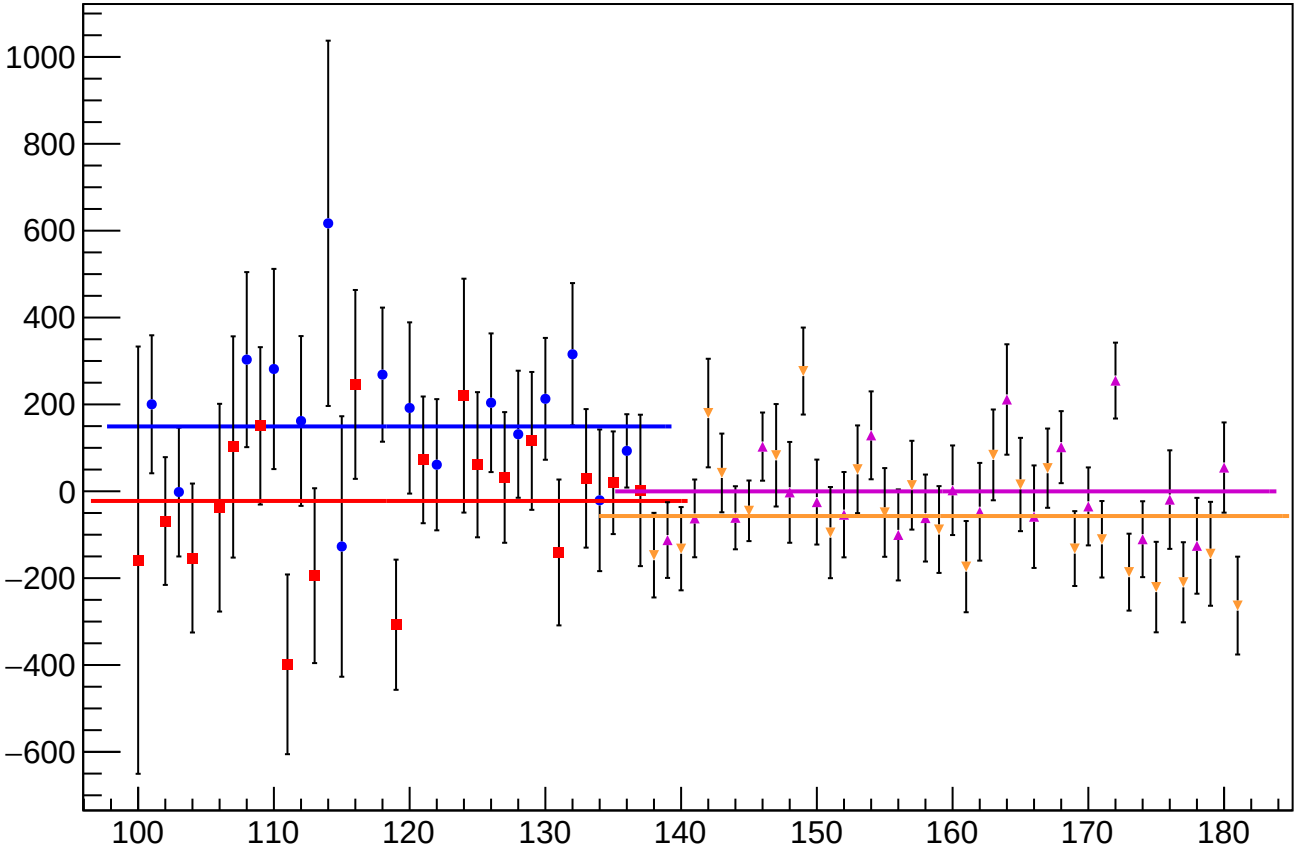
Left In: 486.537+/-0.084 χ^2/NDF:629246.3/20

+ sign 520.353+/-0.075 χ^2/NDF: 2755440.1/38

All: 521.596+/-0.054 χ^2/NDF: 5578581.8/78

- sign 522.899+/-0.077 χ^2/NDF: 2822580.2/39

cor_asym_sam_26_48_dd_mean vs Slug



Right In: 149.294+/-39.687 χ^2/NDF: 8.0/15

Left Out: -56.992+/-20.429 χ^2/NDF:38.0/22

Right Out: -22.297+/-40.123 χ^2/NDF: 14.2/18

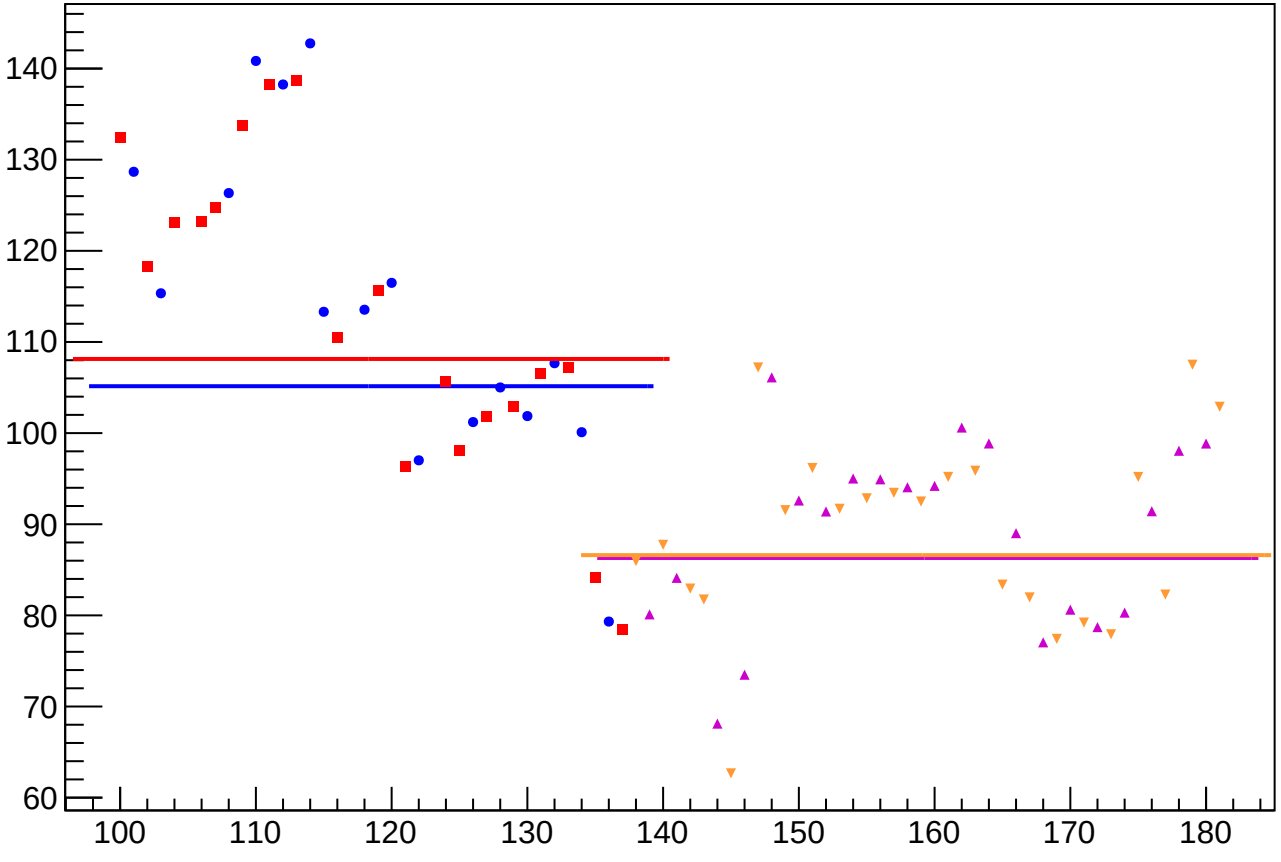
Left In: -0.228+/-20.989 χ^2/NDF:24.4/20

+ sign -13.783+/-18.164 χ^2/NDF: 67.3/38

All: -9.480+/-12.994 χ^2/NDF: 106.3/78

- sign -4.969+/-18.598 χ^2/NDF: 38.8/39

cor_asym_sam_26_48_dd_rms vs Slug



Right In: 105.146+/-0.028 χ^2/NDF: 408406.5/15

Left Out: 86.612+/-0.014 χ^2/NDF:567227.4/22

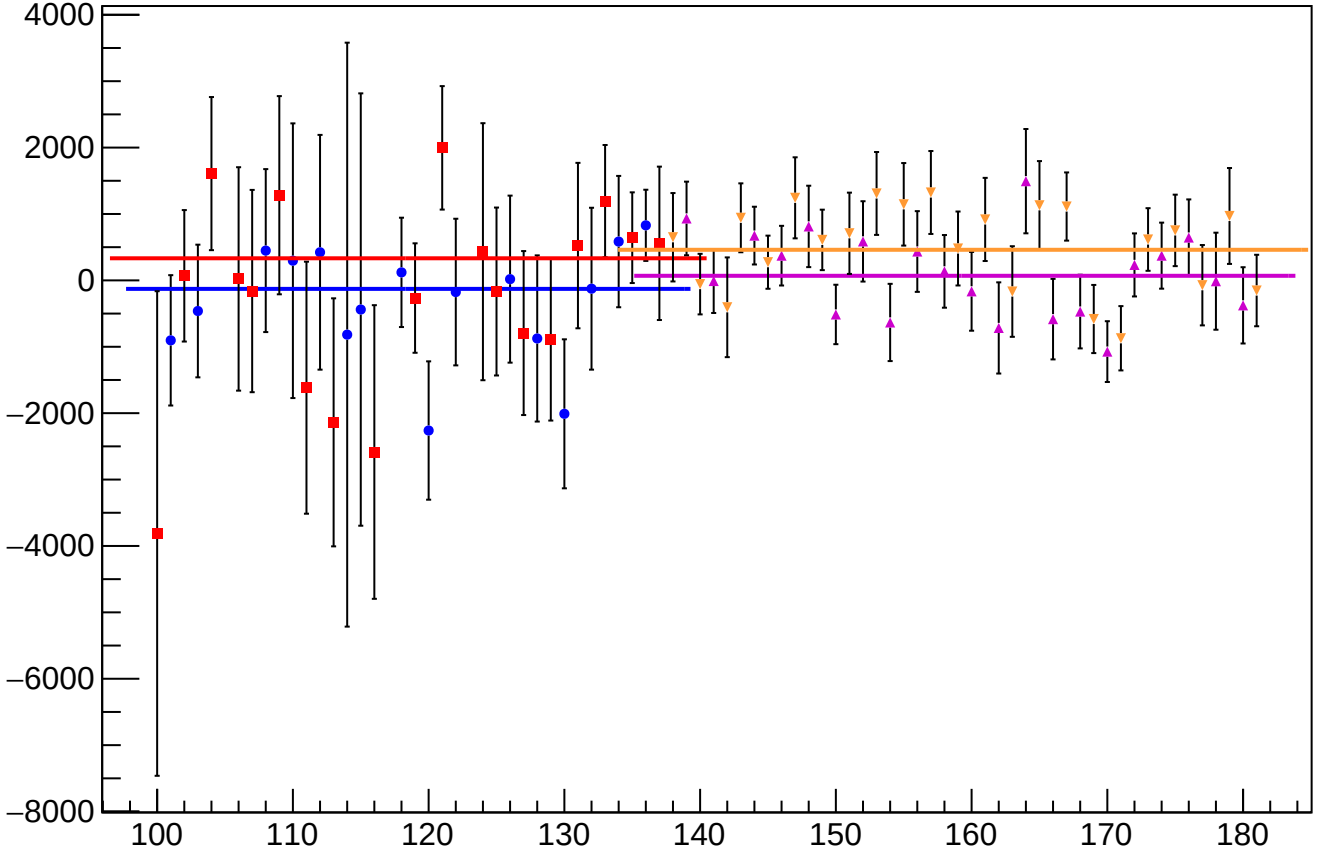
Right Out: 108.136+/-0.028 χ^2/NDF: 346321.9/18

Left In: 86.300+/-0.015 χ^2/NDF:480533.6/20

+ sign 90.494+/-0.013 χ^2/NDF: 1320471.2/38

All: 90.737+/-0.009 χ^2/NDF: 2613179.0/78

- sign 90.992+/-0.013 χ^2/NDF: 1291975.0/39



Right In: -128.047+/-268.611 χ^2/NDF: 12.3/15

Left Out: 460.757+/-115.644 χ^2/NDF:29.3/22

Right Out: 332.665+/-270.835 χ^2/NDF: 14.7/18

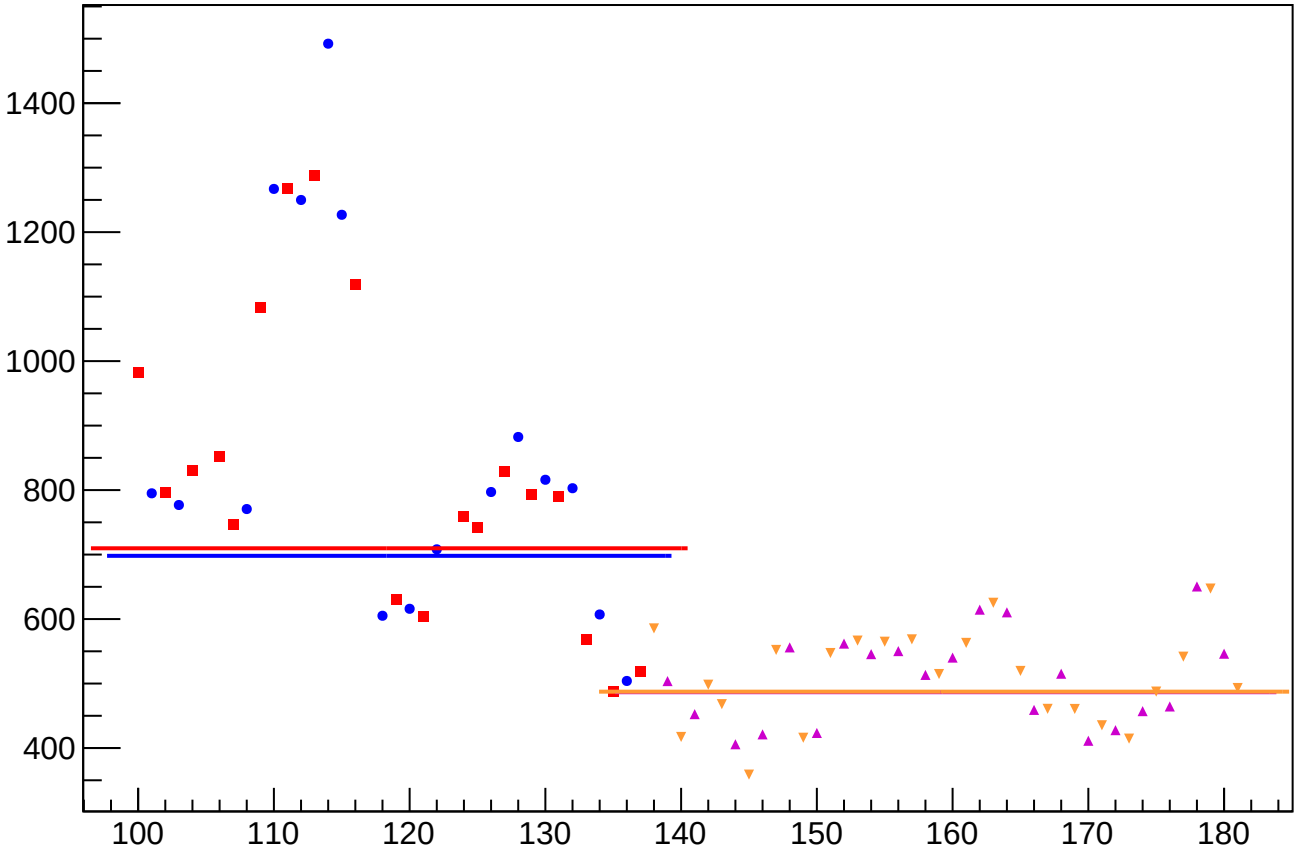
Left In: 69.042+/-118.742 χ^2/NDF:25.8/20

+ sign 368.687+/-106.218 χ^2/NDF: 45.7/38

All: 243.143+/-75.987 χ^2/NDF: 89.8/78

- sign 111.546+/-108.749 χ^2/NDF: 41.3/39

asym_sam_26_48_dd_cor_correction_rms vs Slug



Right In: 698.055+/-0.190 χ^2/NDF: 912861.2/15

Left Out: 487.415+/-0.082 χ^2/NDF:805023.5/22

Right Out: 709.748+/-0.192 χ^2/NDF: 1027114.2/18

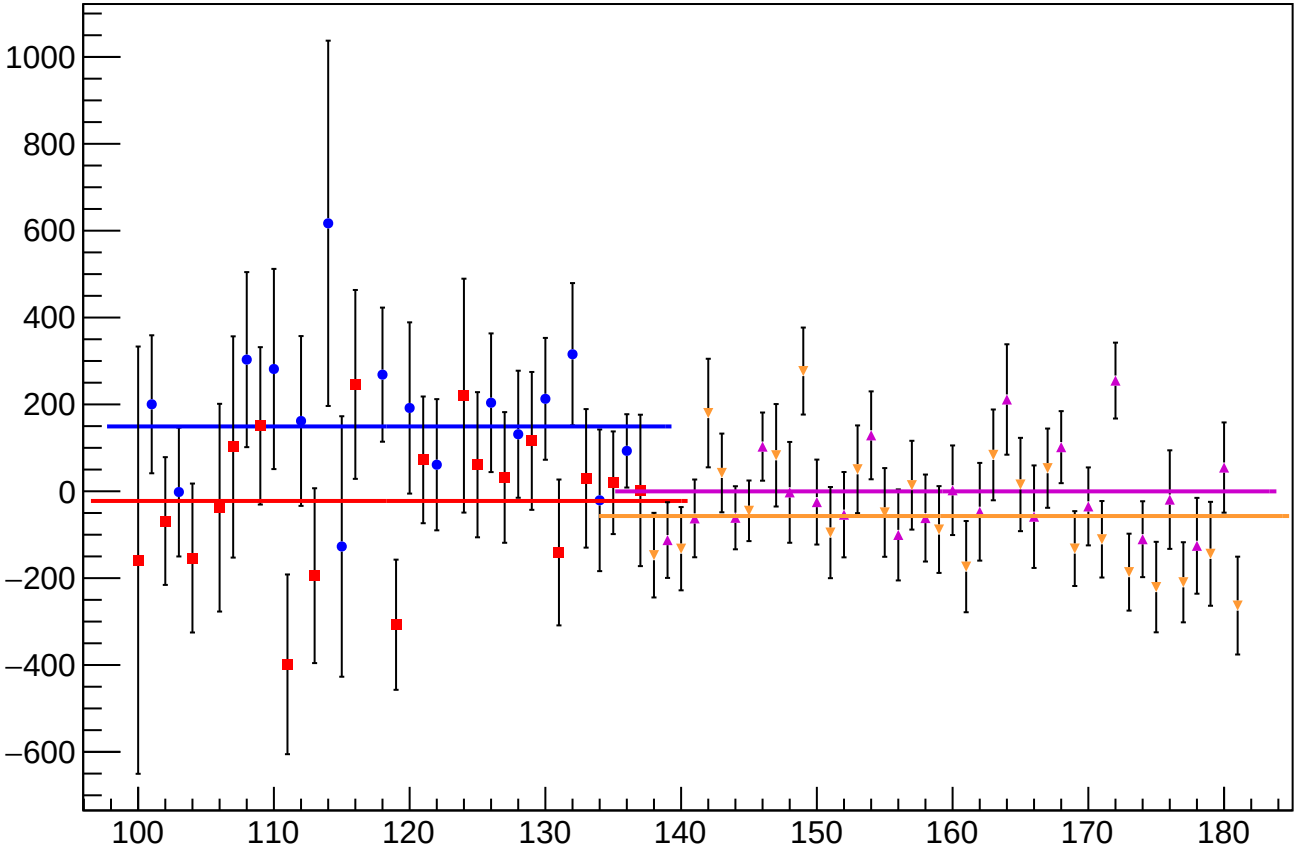
Left In: 486.537+/-0.084 χ^2/NDF:629250.0/20

+ sign 520.353+/-0.075 χ^2/NDF: 2755449.1/38

All: 521.413+/-0.054 χ^2/NDF: 5551675.2/78

- sign 522.525+/-0.077 χ^2/NDF: 2795817.8/39

eigen_cor_asym_sam_26_48_dd_mean vs Slug



Right In: 149.294+/-39.687 χ^2/NDF: 8.0/15

Left Out: -56.992+/-20.429 χ^2/NDF:38.0/22

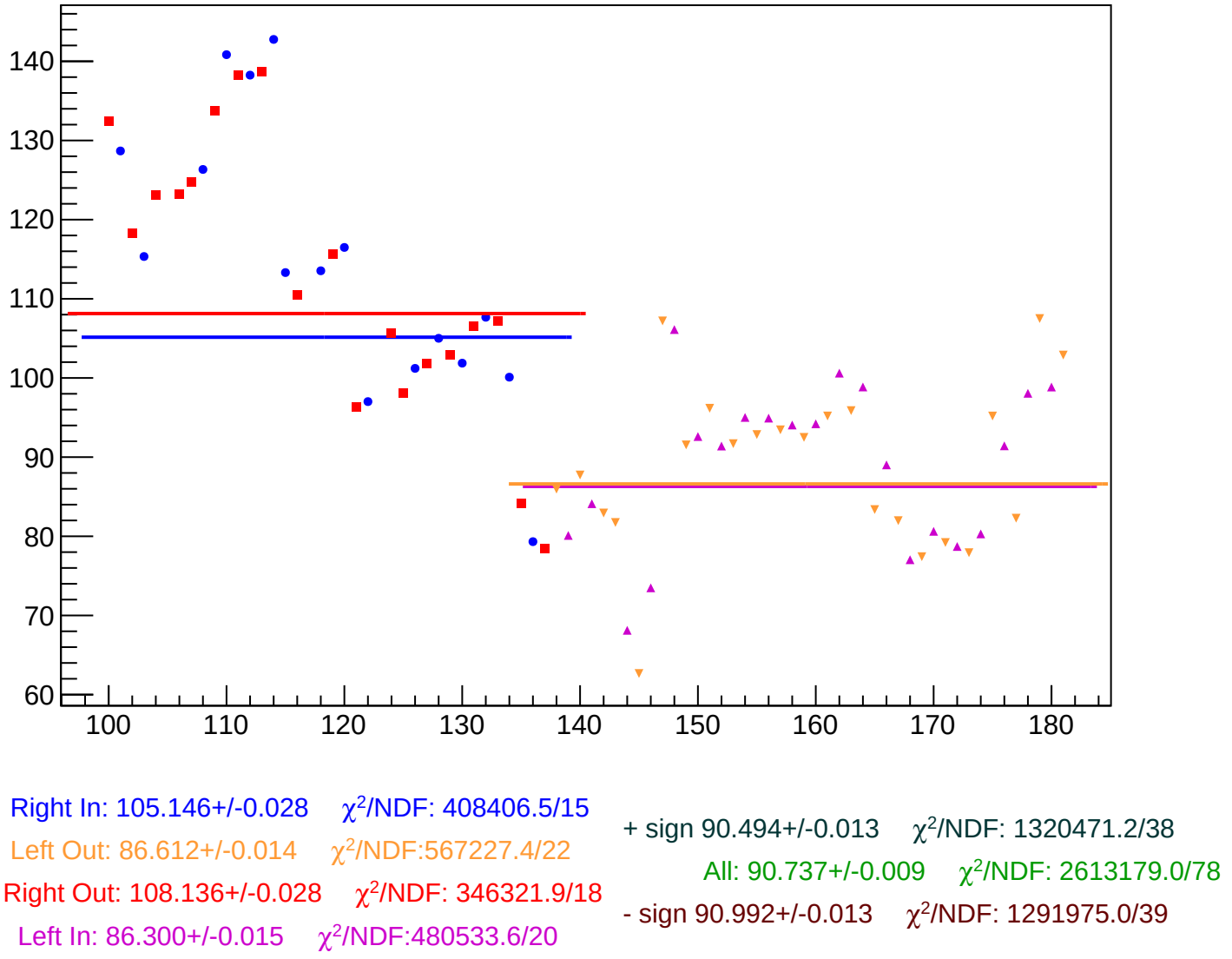
Right Out: -22.297+/-40.123 χ^2/NDF: 14.2/18

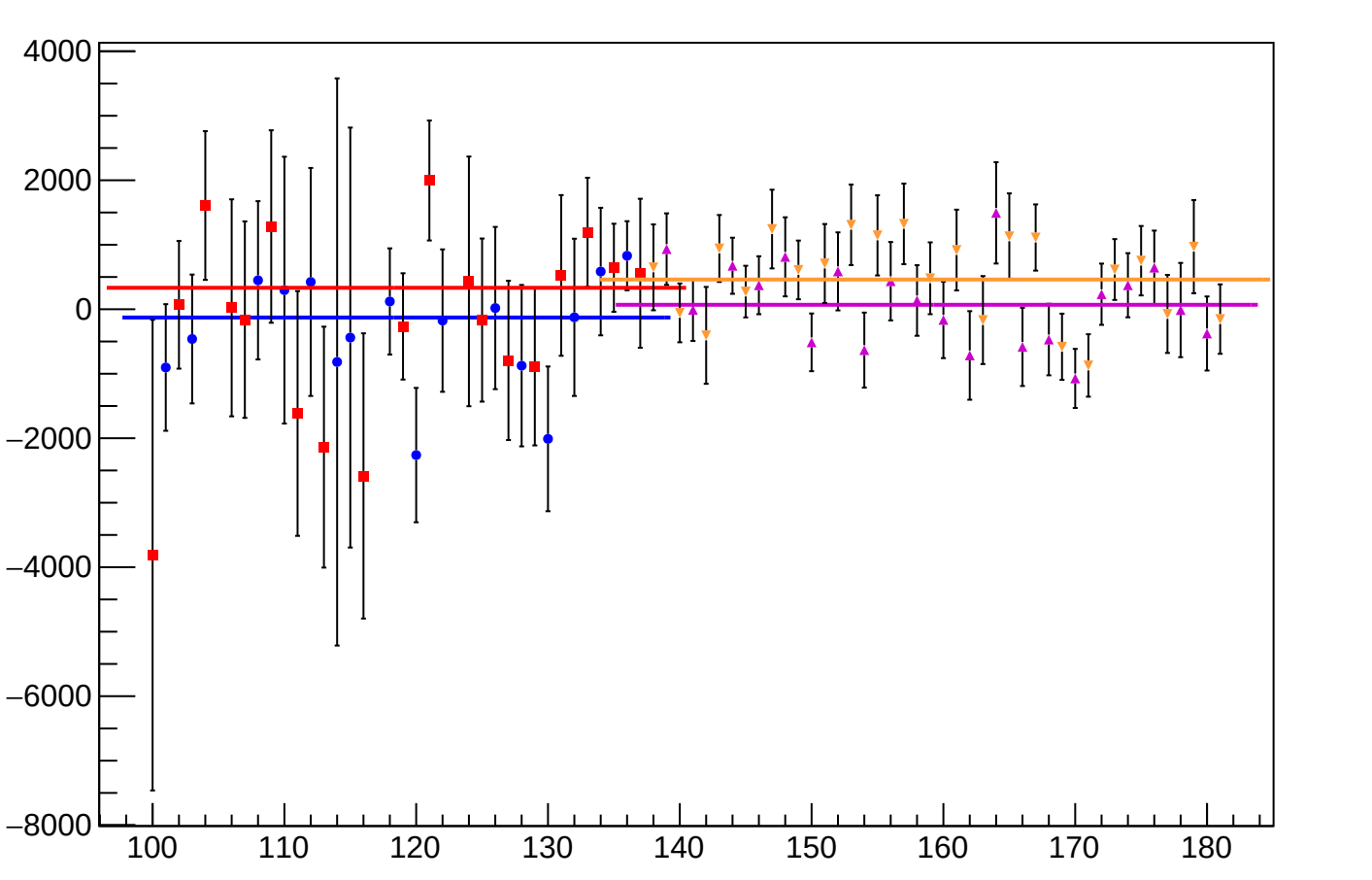
Left In: -0.228+/-20.989 χ^2/NDF:24.4/20

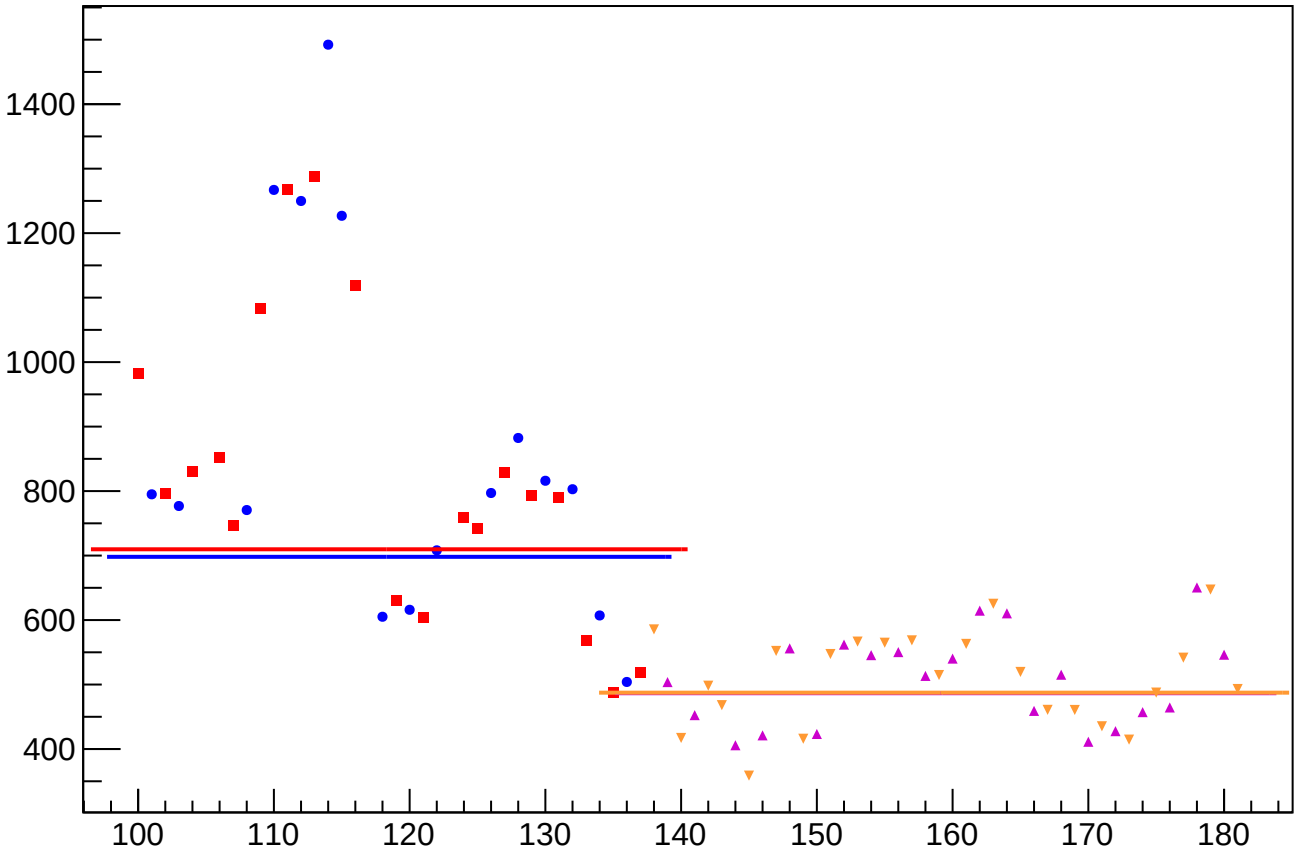
+ sign -13.783+/-18.164 χ^2/NDF: 67.3/38

All: -9.480+/-12.994 χ^2/NDF: 106.3/78

- sign -4.969+/-18.598 χ^2/NDF: 38.8/39


eigen_cor_asym_sam_26_48_dd_rms vs Slug
140
130
120
110
100
90
80
70
60
100
110
120
130
140
150
160
170
180
Right In: 105.146+/-0.028 χ²/NDF: 408406.5/15
Left Out: 86.612+/-0.014 χ²/NDF:567227.4/22
Right Out: 108.136+/-0.028 χ²/NDF: 346321.9/18
Left In: 86.300+/-0.015 χ²/NDF:480533.6/20
+ sign 90.494+/-0.013 χ²/NDF: 1320471.2/38
All: 90.737+/-0.009 χ²/NDF: 2613179.0/78
- sign 90.992+/-0.013 χ²/NDF: 1291975.0/39


asym_sam_26_48_dd_eigen_cor_correction_mean vs Slug
4000
2000
0
−2000
−4000
−6000
−8000
100
110
120
130
140
150
160
170
180
Right In: -128.047+/-268.611 χ²/NDF: 12.3/15
Left Out: 460.757+/-115.644 χ²/NDF:29.3/22
Right Out: 332.665+/-270.835 χ²/NDF: 14.7/18
Left In: 69.042+/-118.742 χ²/NDF:25.8/20
+ sign 368.687+/-106.218 χ²/NDF: 45.7/38
All: 243.143+/-75.987 χ²/NDF: 89.8/78
- sign 111.546+/-108.749 χ²/NDF: 41.3/39



Right In: 698.055+/-0.190 χ^2/NDF: 912861.2/15

Left Out: 487.415+/-0.082 χ^2/NDF:805023.5/22

Right Out: 709.748+/-0.192 χ^2/NDF: 1027114.2/18

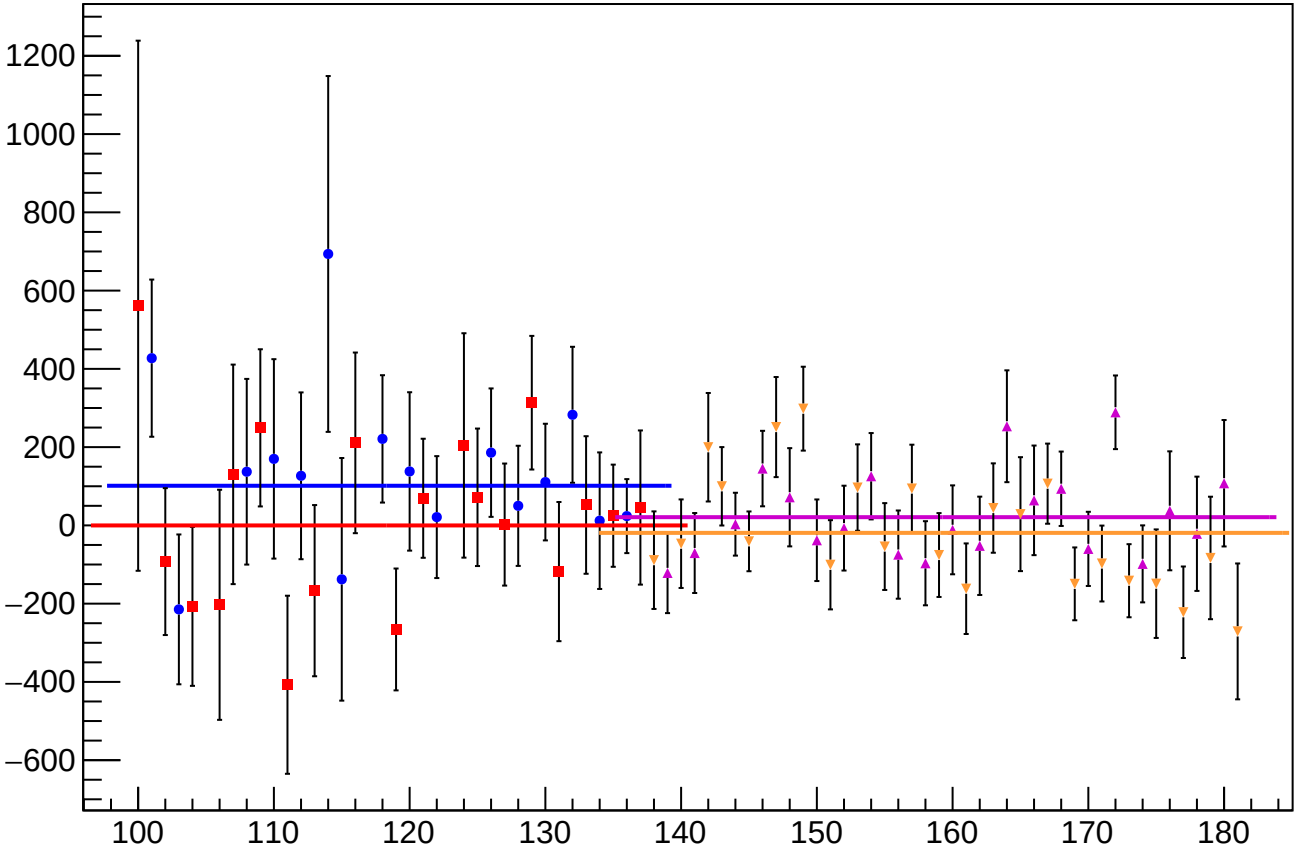
Left In: 486.537+/-0.084 χ^2/NDF:629250.0/20

+ sign 520.353+/-0.075 χ^2/NDF: 2755449.1/38

All: 521.413+/-0.054 χ^2/NDF: 5551675.2/78

- sign 522.525+/-0.077 χ^2/NDF: 2795817.8/39

dit_asym_sam_26_48_dd_mean vs Slug



Right In: 101.281+/-43.510 χ^2/NDF: 11.0/15

Left Out: -19.116+/-23.249 χ^2/NDF:34.5/22

Right Out: -0.125+/-44.035 χ^2/NDF: 16.6/18

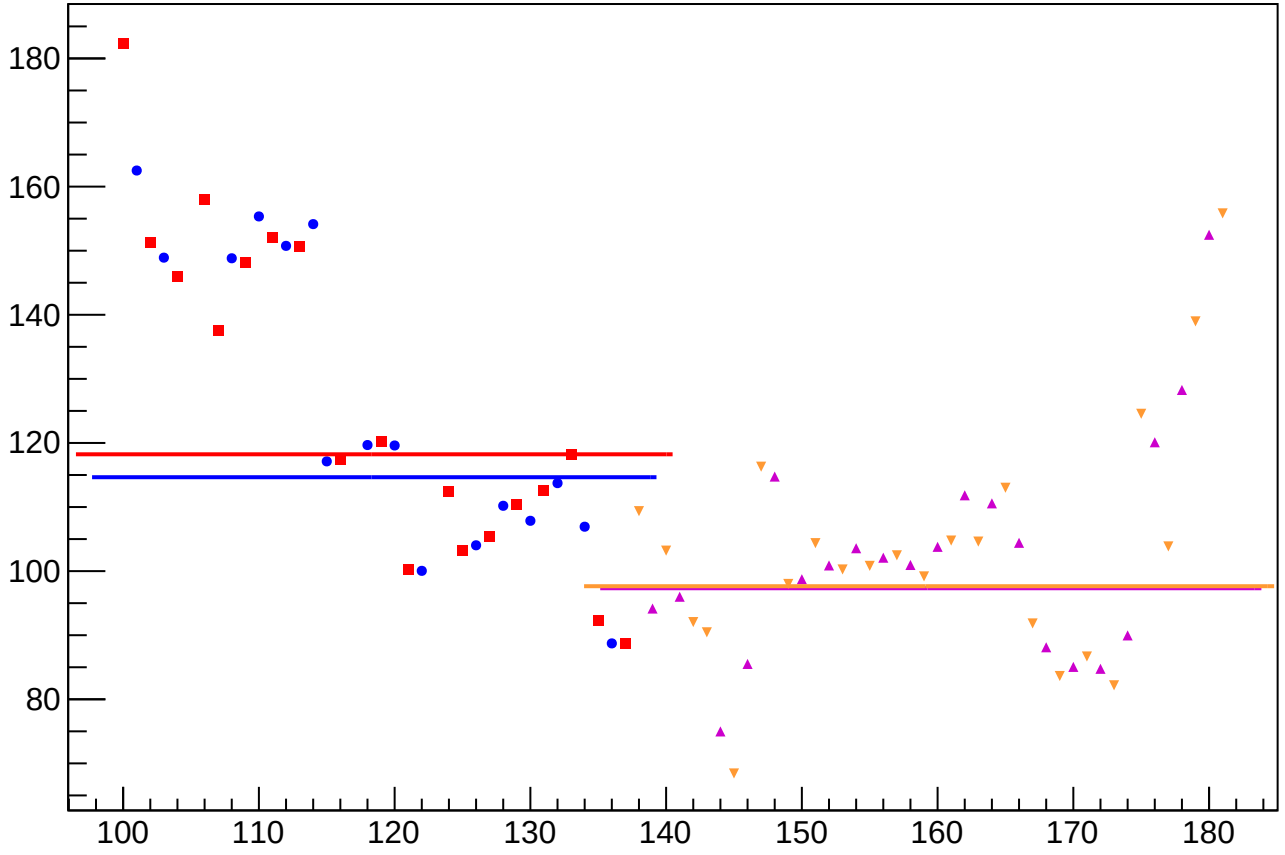
Left In: 21.005+/-23.915 χ^2/NDF:22.2/20

+ sign 7.625+/-20.505 χ^2/NDF: 51.5/38

All: 11.803+/-14.676 χ^2/NDF: 90.6/78

- sign 16.192+/-21.016 χ^2/NDF: 39.0/39

dit_asym_sam_26_48_dd_rms vs Slug



Right In: 114.655+/-0.031 χ^2/NDF: 531976.2/15

Left Out: 97.645+/-0.016 χ^2/NDF:999408.4/22

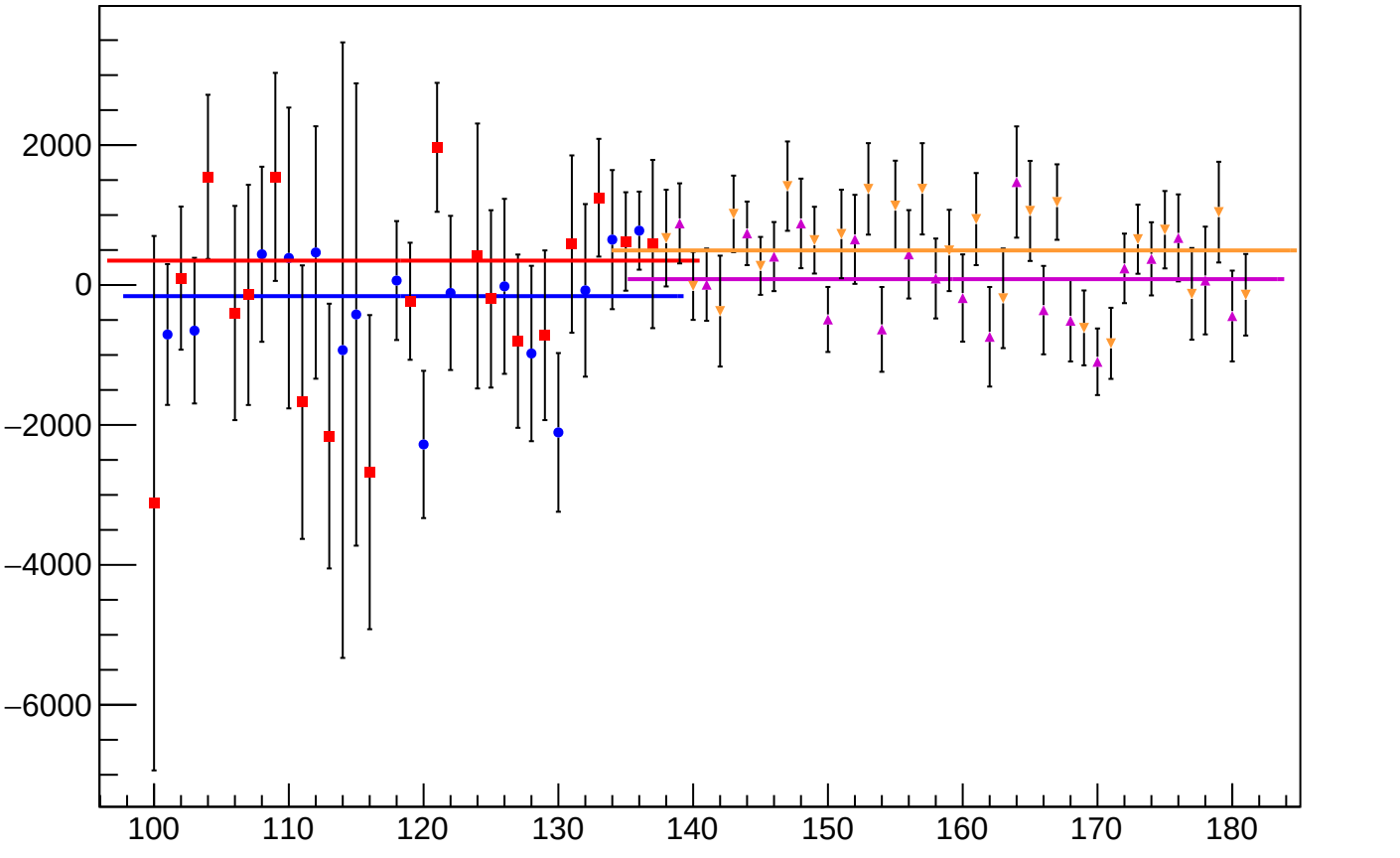
Right Out: 118.230+/-0.031 χ^2/NDF: 483407.4/18

Left In: 97.328+/-0.017 χ^2/NDF:762773.7/20

+ sign 101.423+/-0.014 χ^2/NDF: 1769152.6/38

All: 101.748+/-0.010 χ^2/NDF: 3364358.9/78

- sign 102.089+/-0.015 χ^2/NDF: 1594177.6/39



Right In: -159.110+/-274.558 χ^2/NDF: 12.0/15

Left Out: 494.194+/-121.156 χ^2/NDF:28.3/22

Right Out: 348.528+/-273.595 χ^2/NDF: 14.3/18

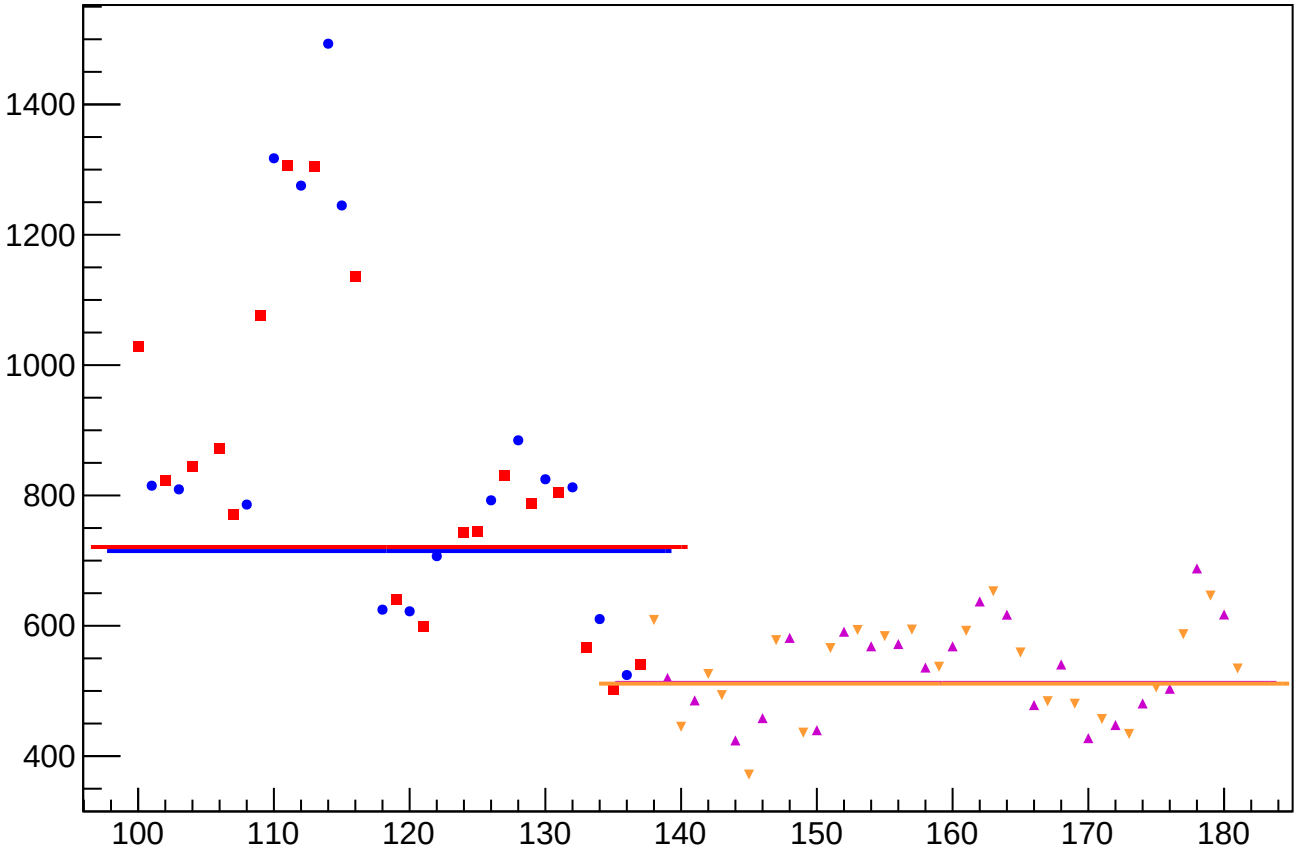
Left In: 83.871+/-125.062 χ^2/NDF:24.3/20

+ sign 387.713+/-110.844 χ^2/NDF: 45.0/38

All: 261.993+/-79.383 χ^2/NDF: 87.0/78

- sign 129.612+/-113.742 χ^2/NDF: 39.4/39

asym_sam_26_48_dd_dit_correction_rms vs Slug



Right In: 714.666+/-0.194 χ^2/NDF: 876217.1/15

Left Out: 511.245+/-0.086 χ^2/NDF:790004.3/22

Right Out: 720.885+/-0.193 χ^2/NDF: 1018435.1/18

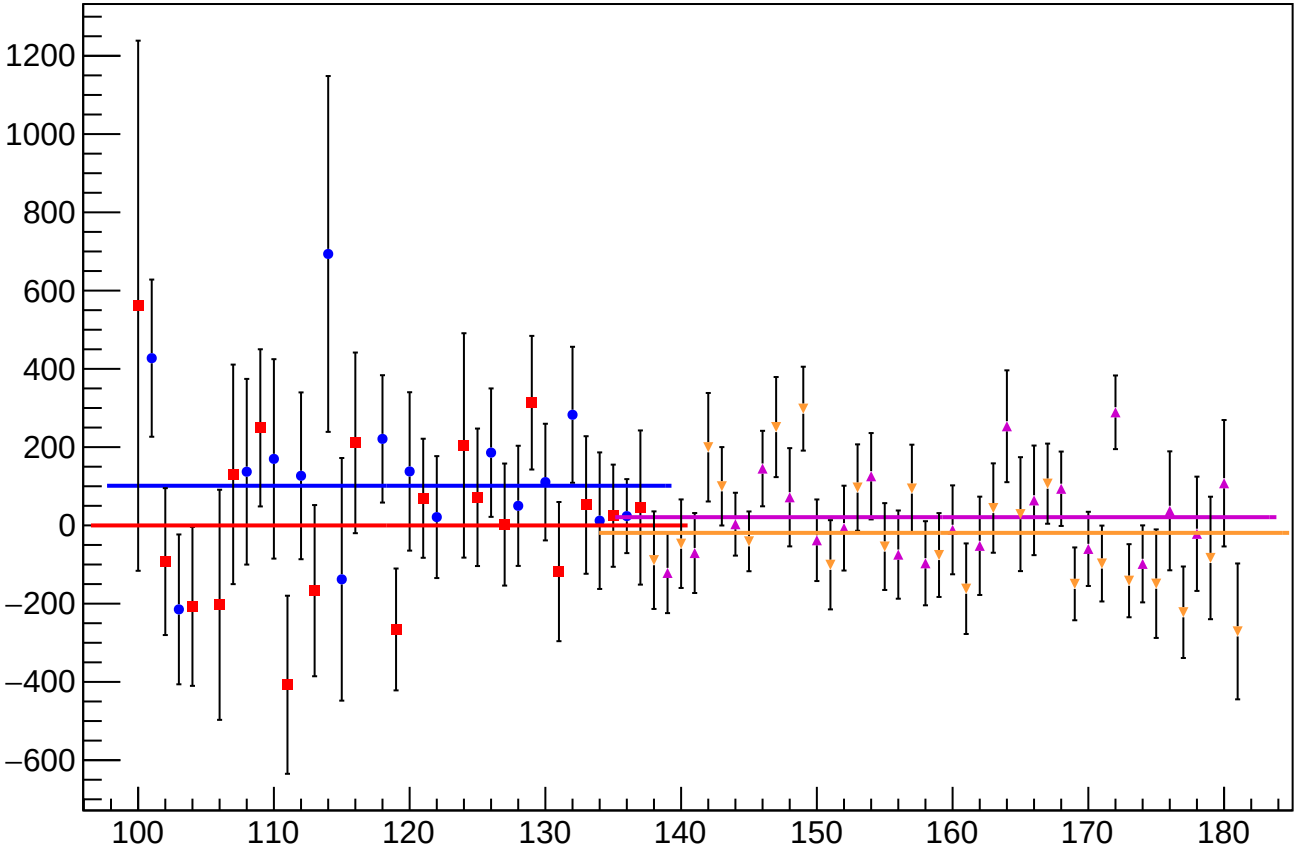
Left In: 512.388+/-0.088 χ^2/NDF:630675.3/20

+ sign 544.400+/-0.078 χ^2/NDF: 2585159.8/38

All: 546.360+/-0.056 χ^2/NDF: 5196290.4/78

- sign 548.423+/-0.080 χ^2/NDF: 2609847.5/39

eigen_dit_asym_sam_26_48_dd_mean vs Slug



Right In: 101.278+/-43.510 χ^2/NDF: 11.0/15

Left Out: -19.117+/-23.249 χ^2/NDF:34.5/22

Right Out: -0.125+/-44.035 χ^2/NDF: 16.6/18

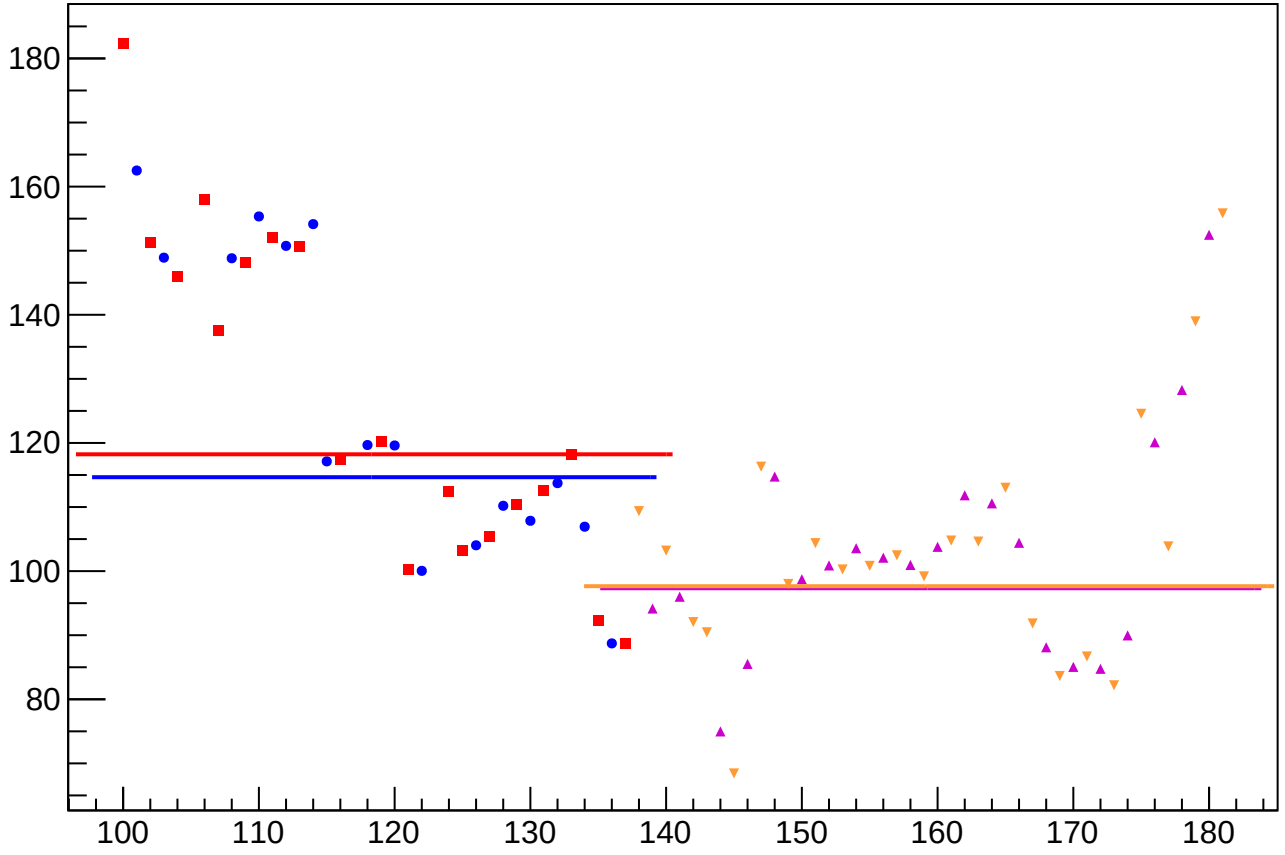
Left In: 21.006+/-23.915 χ^2/NDF:22.2/20

+ sign 7.623+/-20.505 χ^2/NDF: 51.5/38

All: 11.802+/-14.676 χ^2/NDF: 90.6/78

- sign 16.193+/-21.016 χ^2/NDF: 39.0/39

eigen_dit_asym_sam_26_48_dd_rms vs Slug



Right In: 114.655+/-0.031 χ^2/NDF: 531962.9/15

Left Out: 97.645+/-0.016 χ^2/NDF:999414.3/22

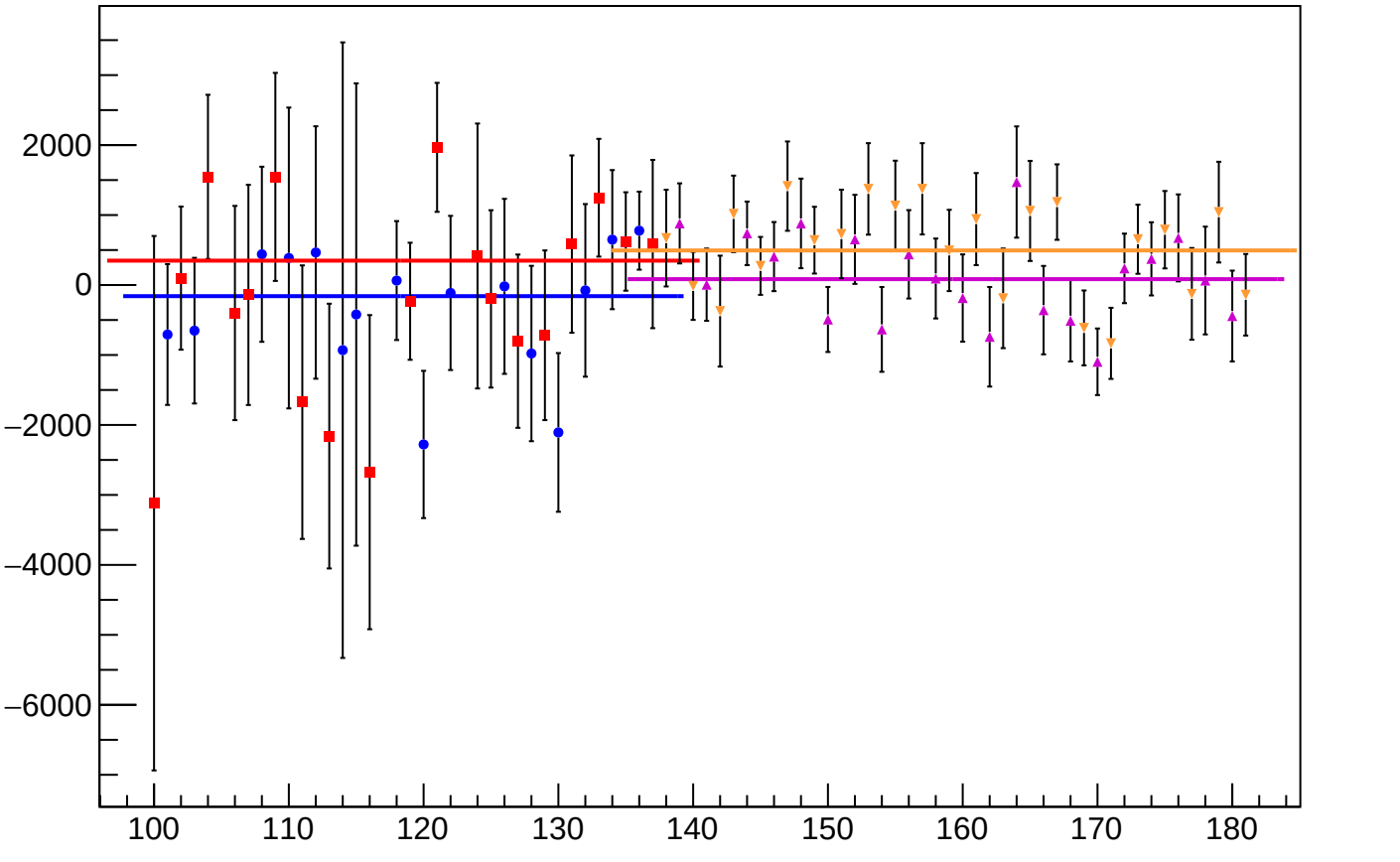
Right Out: 118.230+/-0.031 χ^2/NDF: 483401.1/18

Left In: 97.328+/-0.017 χ^2/NDF:762764.5/20

+ sign 101.423+/-0.014 χ^2/NDF: 1769150.6/38

All: 101.748+/-0.010 χ^2/NDF: 3364341.4/78

- sign 102.089+/-0.015 χ^2/NDF: 1594162.0/39



Right In: -159.112+/-274.558 χ^2/NDF: 12.0/15

Left Out: 494.192+/-121.156 χ^2/NDF:28.3/22

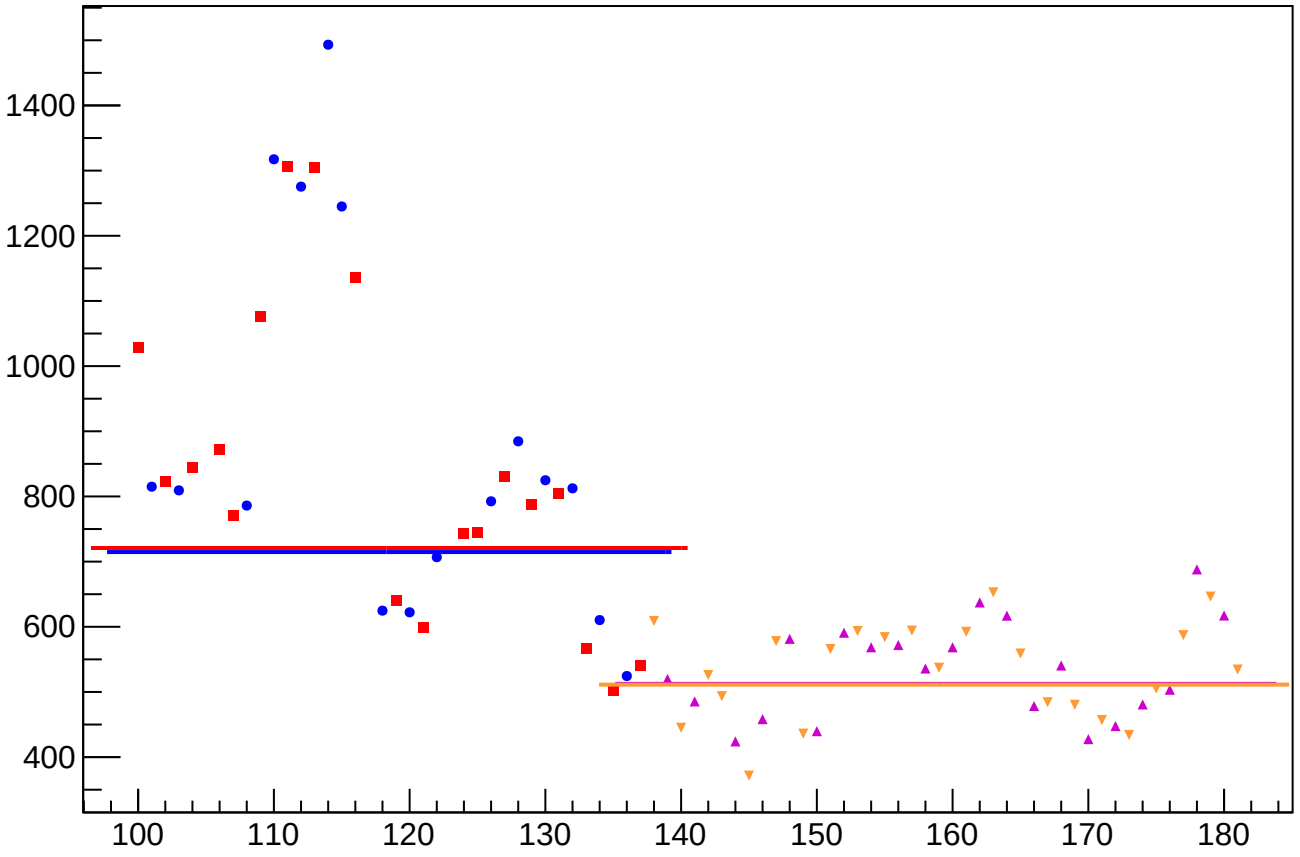
Right Out: 348.528+/-273.595 χ^2/NDF: 14.3/18

Left In: 83.871+/-125.062 χ^2/NDF:24.3/20

+ sign 387.712+/-110.844 χ^2/NDF: 45.0/38

All: 261.992+/-79.383 χ^2/NDF: 87.0/78

- sign 129.612+/-113.742 χ^2/NDF: 39.4/39



Right In: 714.666+/-0.194 χ^2/NDF: 876211.4/15

Left Out: 511.245+/-0.086 χ^2/NDF:790004.2/22

Right Out: 720.884+/-0.193 χ^2/NDF: 1018428.9/18

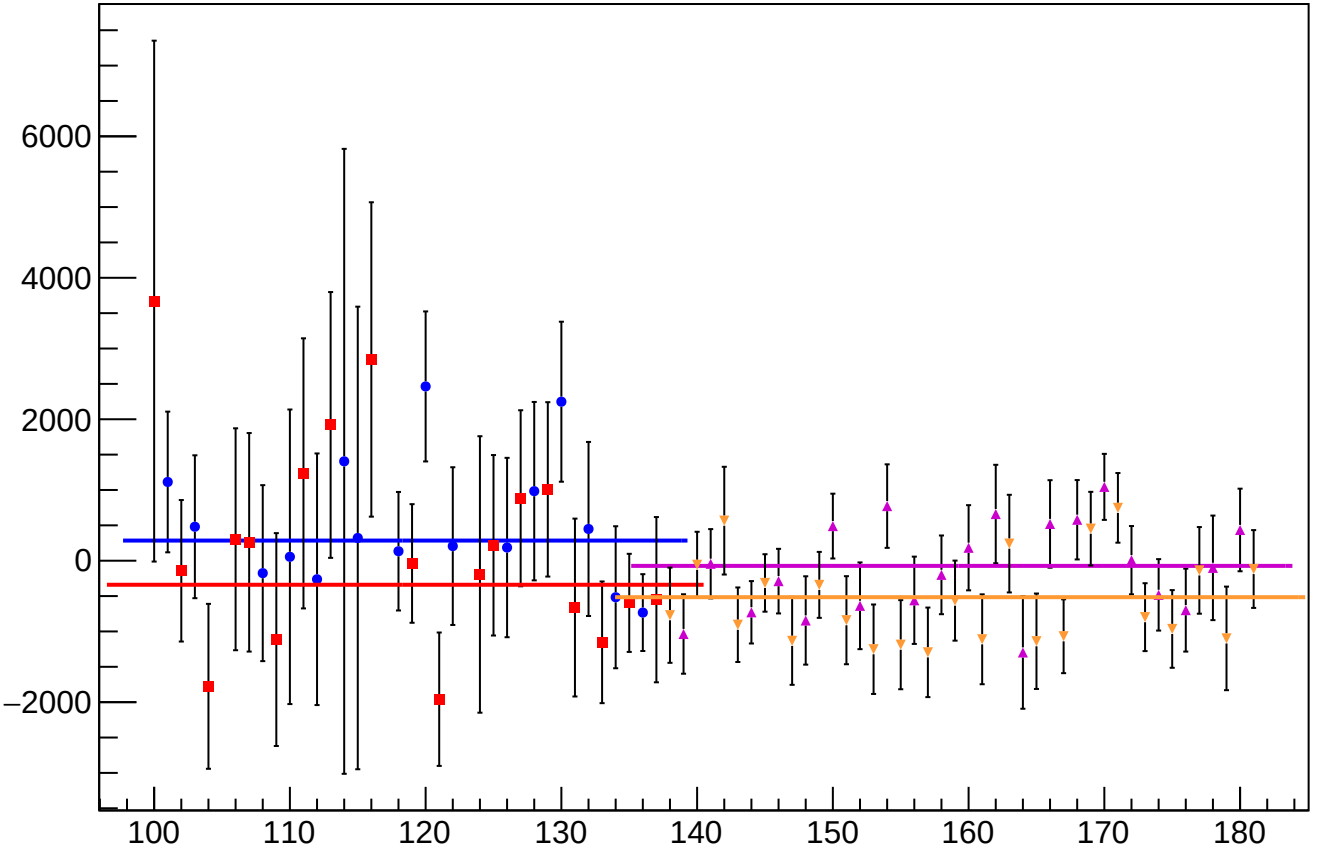
Left In: 512.388+/-0.088 χ^2/NDF:630673.0/20

\+ sign 544.400+/-0.078 χ^2/NDF: 2585156.5/38

All: 546.360+/-0.056 χ^2/NDF: 5196278.3/78

\- sign 548.423+/-0.080 χ^2/NDF: 2609838.8/39

asym_sam_26_48_dd_mean vs Slug



Right In: 284.780+/-271.944 χ^2/NDF: 12.8/15

Left Out: -515.825+/-117.569 χ^2/NDF:26.0/22

Right Out: -340.018+/-273.601 χ^2/NDF: 14.1/18

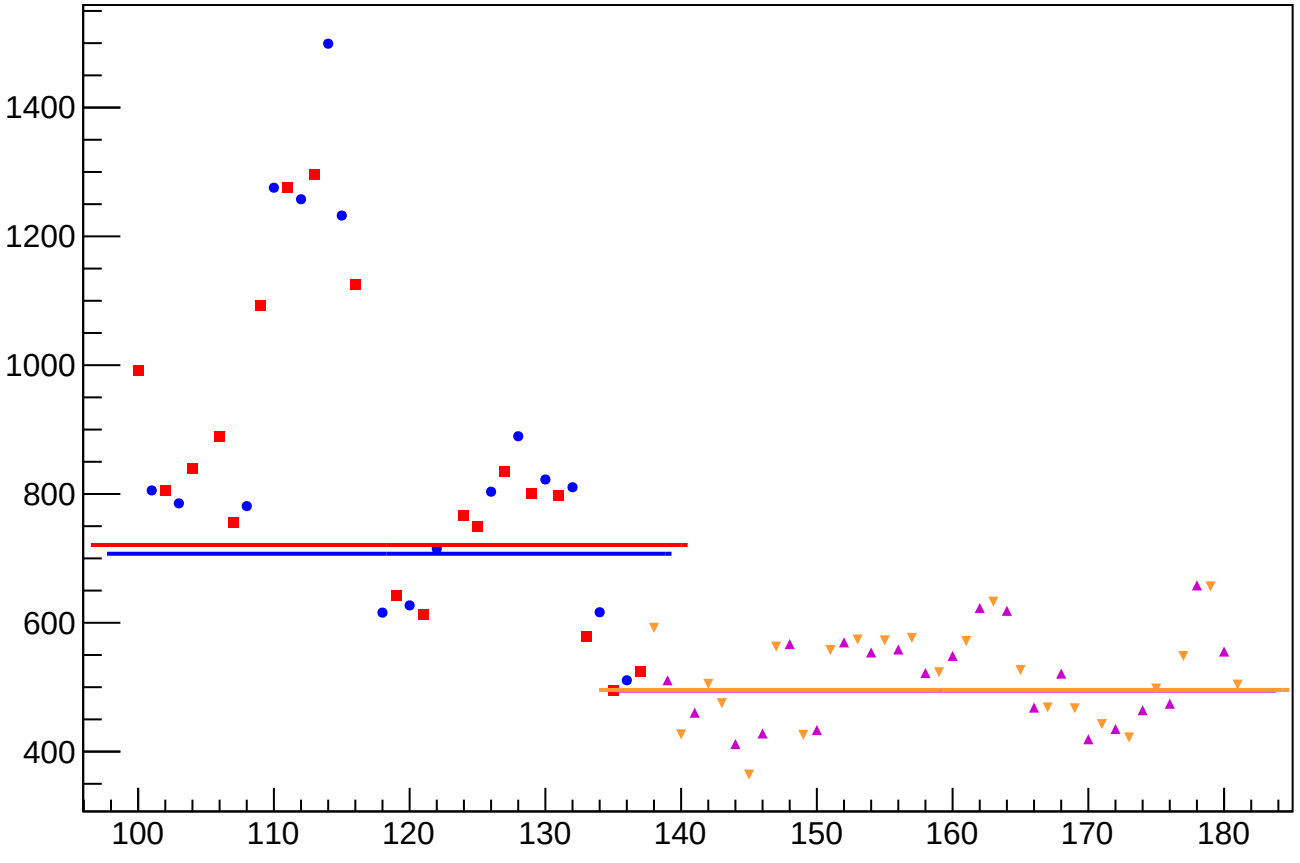
Left In: -73.050+/-120.695 χ^2/NDF:26.2/20

\+ sign -389.751+/-107.916 χ^2/NDF: 46.1/38

All: -256.287+/-77.181 χ^2/NDF: 90.3/78

\- sign -116.539+/-110.427 χ^2/NDF: 41.1/39

asym_sam_26_48_dd_rms vs Slug



Right In: 707.209+/-0.192 χ^2/NDF: 896689.9/15

Left Out: 495.753+/-0.083 χ^2/NDF:788016.8/22

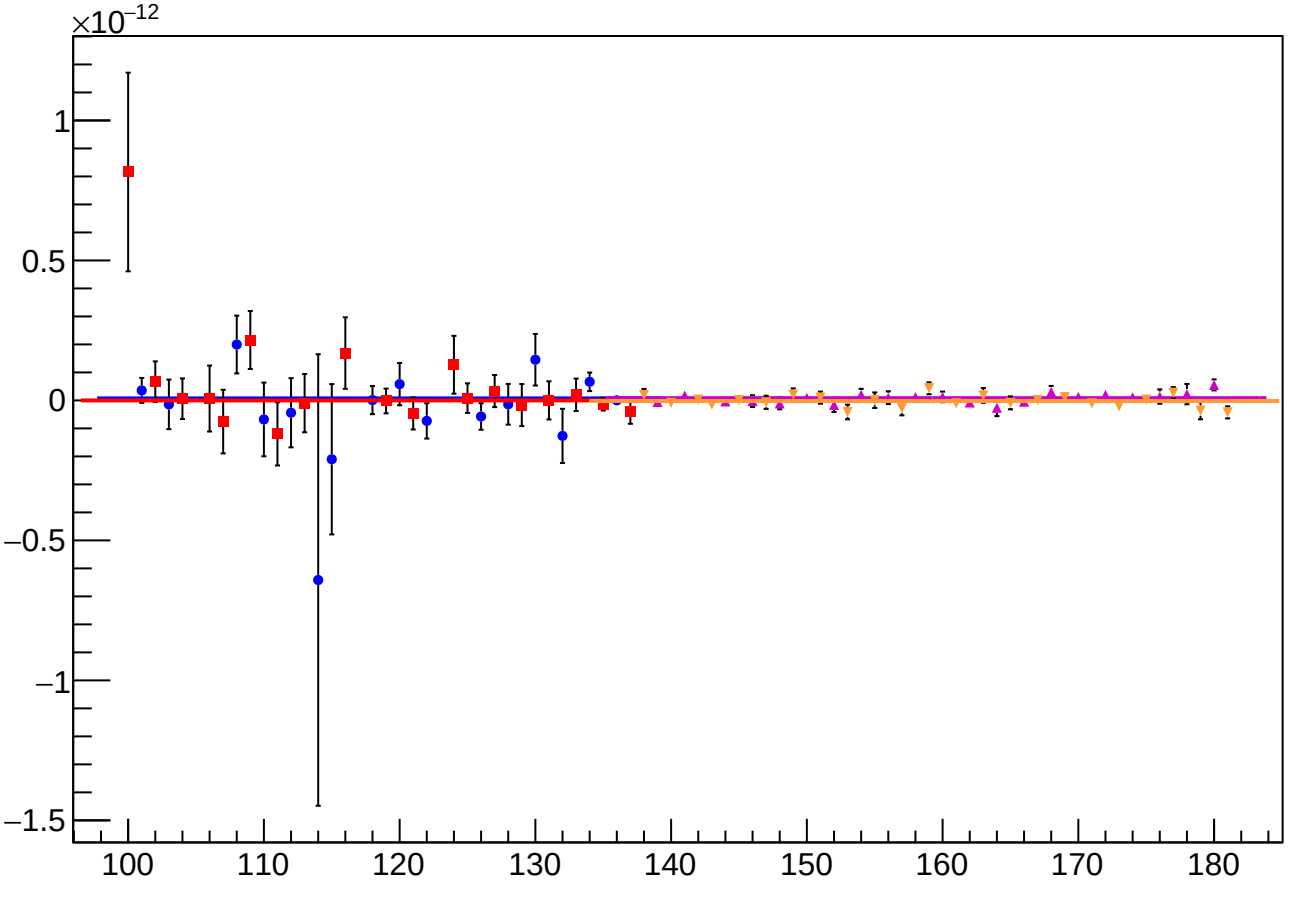
Right Out: 720.778+/-0.193 χ^2/NDF: 1015277.9/18

Left In: 494.703+/-0.085 χ^2/NDF:615812.1/20

\+ sign 529.052+/-0.076 χ^2/NDF: 2703526.5/38

All: 530.262+/-0.055 χ^2/NDF: 5478209.9/78

\- sign 531.530+/-0.078 χ^2/NDF: 2774168.0/39



Right In: 0.000+/-0.000 χ^2/NDF: 17.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.4/22

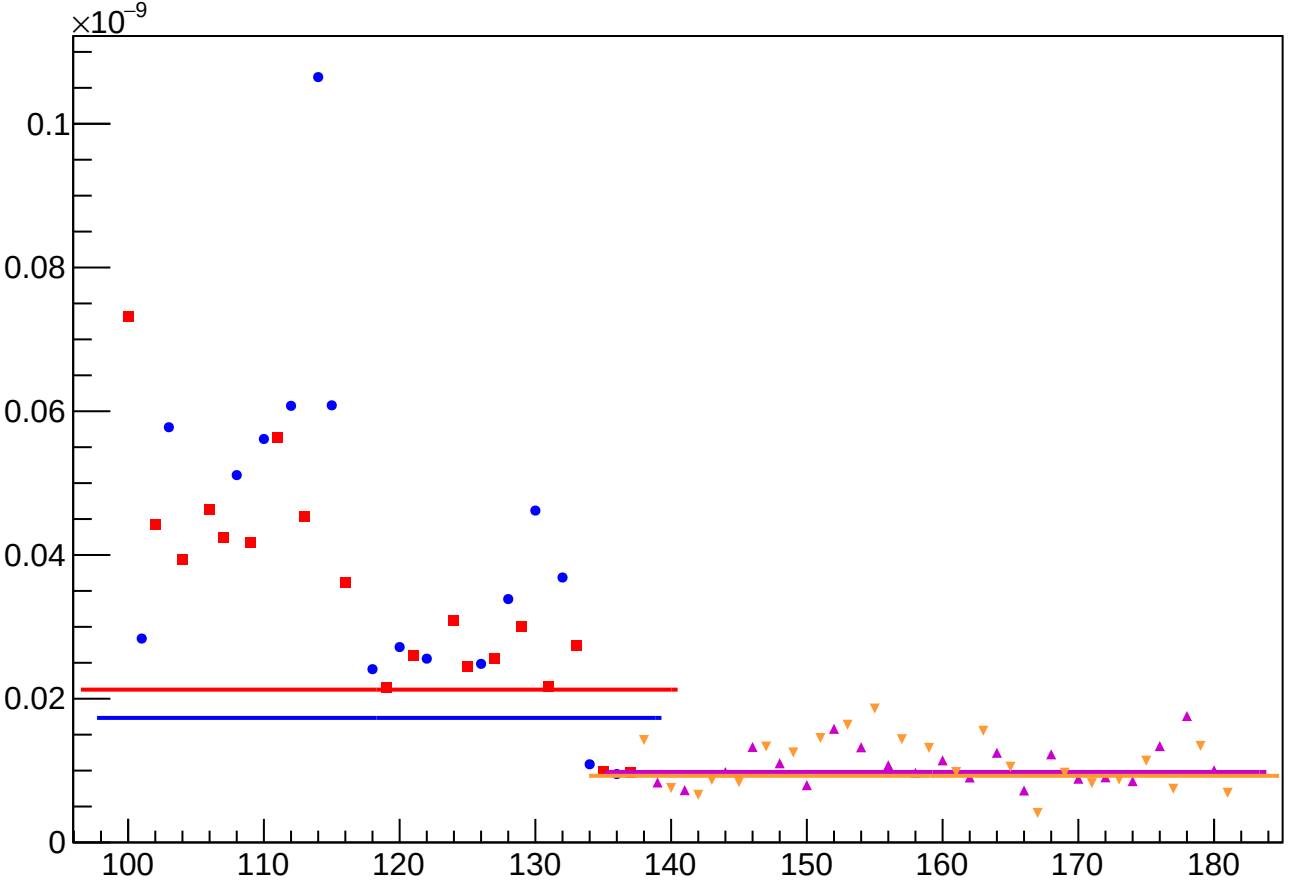
Right Out: 0.000+/-0.000 χ^2/NDF: 17.8/18

Left In: 0.000+/-0.000 χ^2/NDF:14.6/20

+ sign -0.000+/-0.000 χ^2/NDF: 39.3/38

All: 0.000+/-0.000 χ^2/NDF: 74.7/78

- sign 0.000+/-0.000 χ^2/NDF: 32.7/39



Right In: 0.000+/-0.000 χ^2/NDF: 2368825.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1796364.8/22

Right Out: 0.000+/-0.000 χ^2/NDF: 1671050.7/18

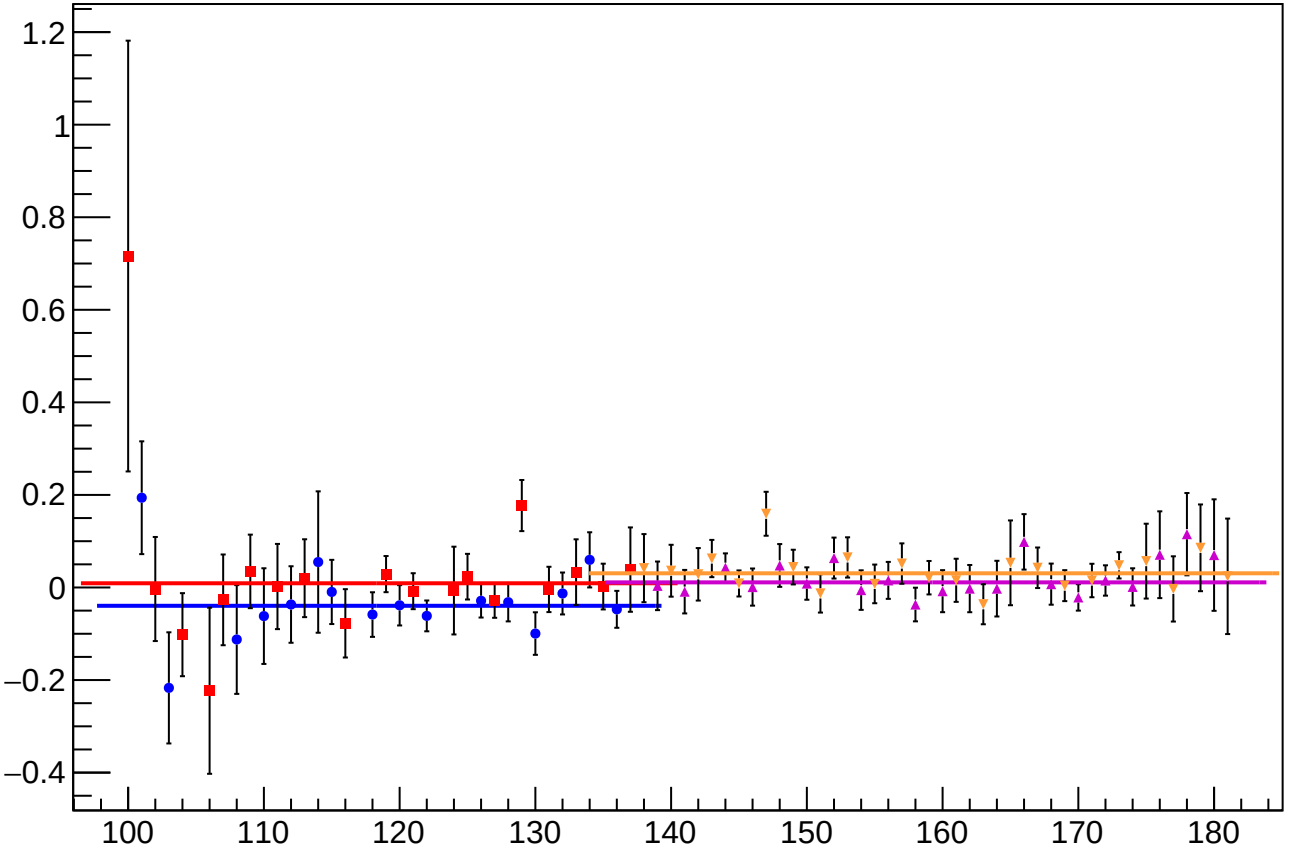
Left In: 0.000+/-0.000 χ^2/NDF:617475.2/20

+ sign 0.000+/-0.000 χ^2/NDF: 5057594.9/38

All: 0.000+/-0.000 χ^2/NDF: 8726792.9/78

- sign 0.000+/-0.000 χ^2/NDF: 3633040.0/39

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:15.6/22

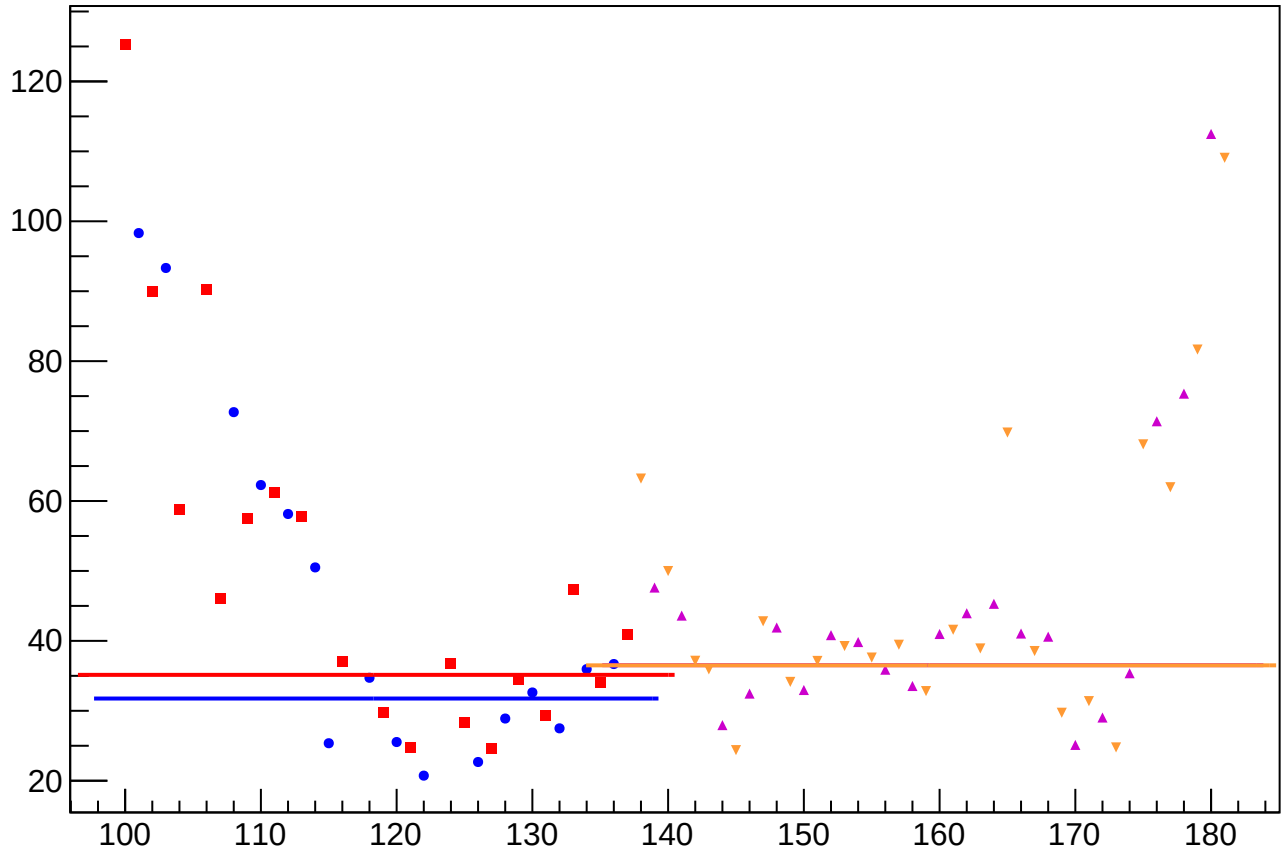
Right Out: 0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: 0.011+/-0.009 χ^2/NDF:11.1/20

+ sign 0.008+/-0.008 χ^2/NDF: 47.2/38

All: 0.009+/-0.005 χ^2/NDF: 76.6/78

- sign 0.010+/-0.008 χ^2/NDF: 29.4/39



Right In: 31.755+/-0.009 χ^2/NDF: 2252399.3/15

Left Out: 36.501+/-0.006 χ^2/NDF:3303715.5/22

Right Out: 35.140+/-0.010 χ^2/NDF: 1844676.3/18

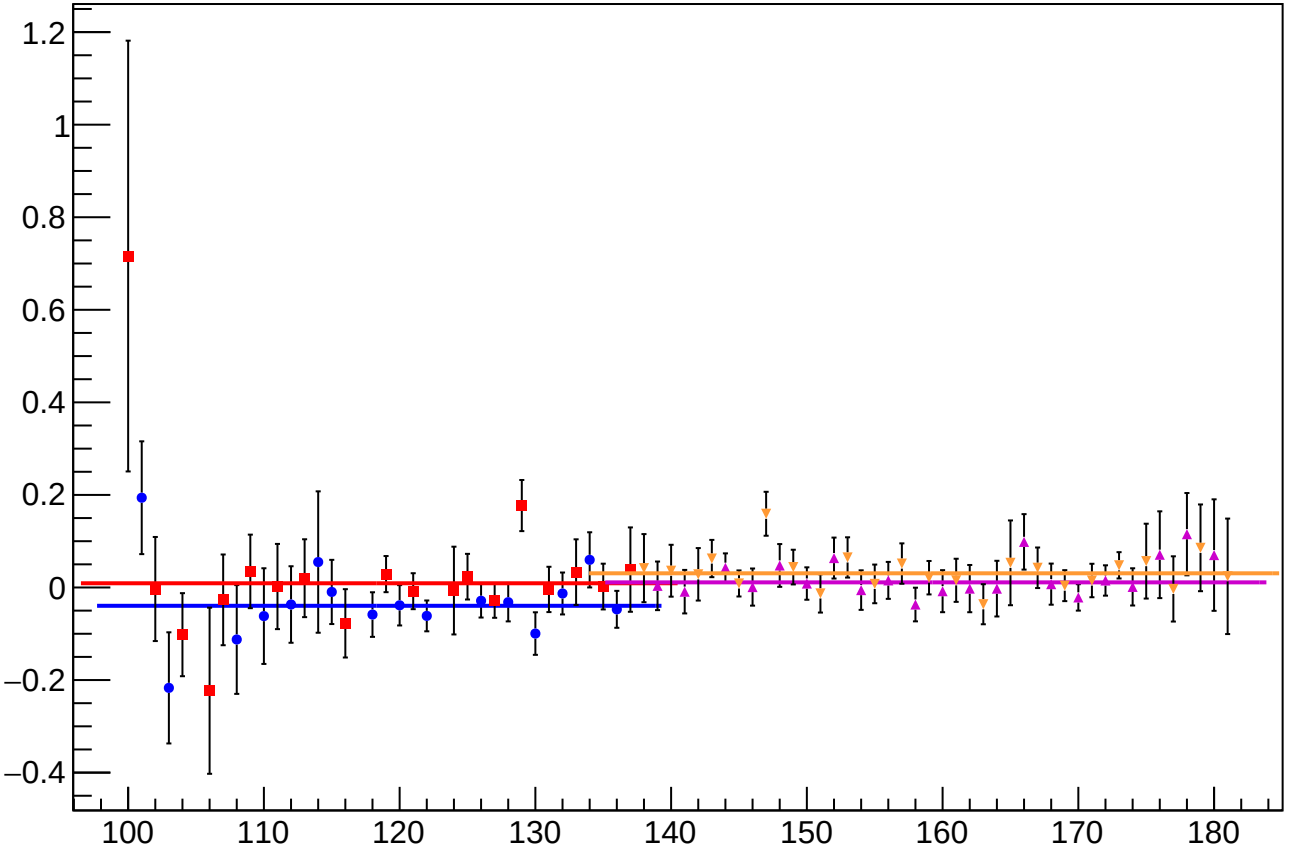
Left In: 36.527+/-0.007 χ^2/NDF:2411127.3/20

+ sign 34.950+/-0.005 χ^2/NDF: 5731126.7/38

All: 35.500+/-0.004 χ^2/NDF: 10022561.0/78

- sign 36.100+/-0.006 χ^2/NDF: 4269081.9/39

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:15.6/22

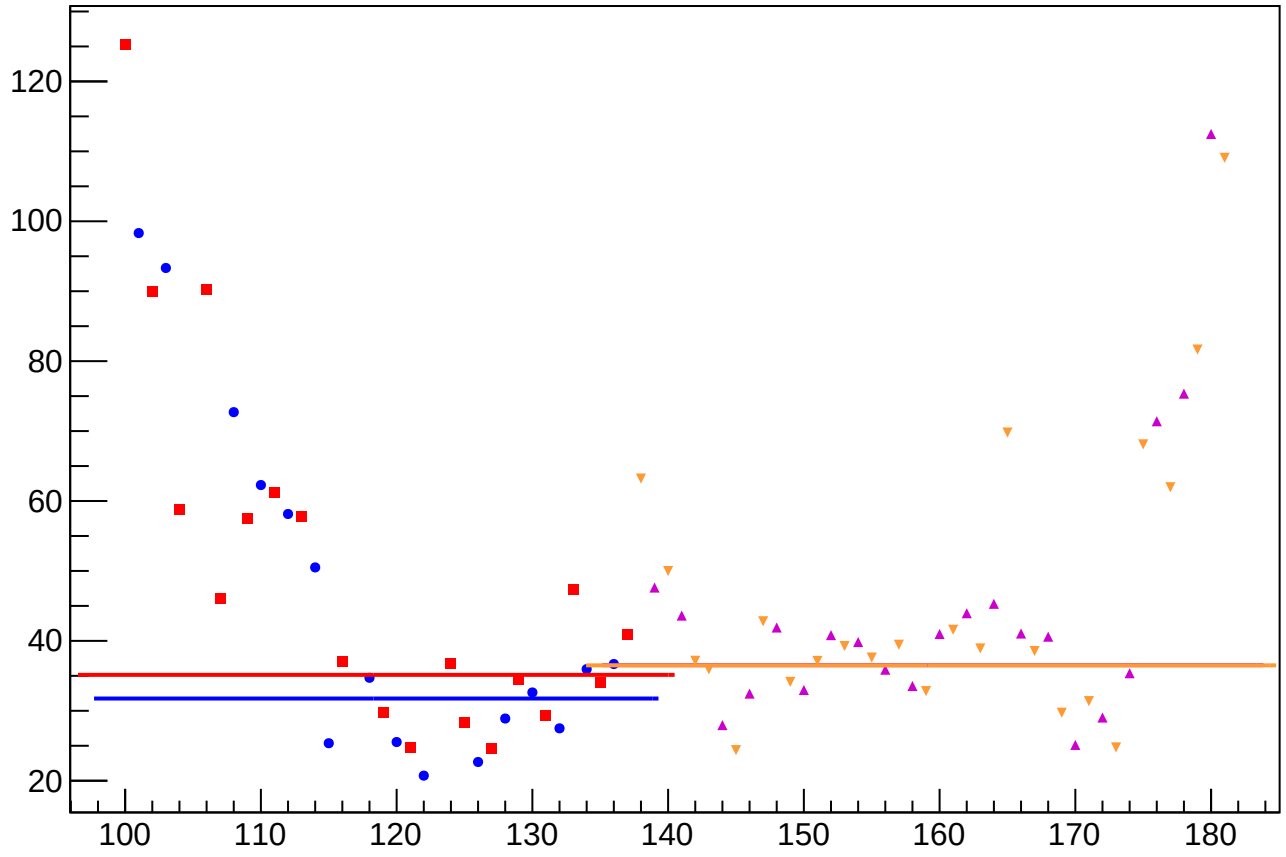
Right Out: 0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: 0.011+/-0.009 χ^2/NDF:11.1/20

+ sign 0.008+/-0.008 χ^2/NDF: 47.2/38

All: 0.009+/-0.005 χ^2/NDF: 76.6/78

- sign 0.010+/-0.008 χ^2/NDF: 29.4/39



Right In: 31.755+/-0.009 χ^2/NDF: 2252399.3/15

Left Out: 36.501+/-0.006 χ^2/NDF:3303715.5/22

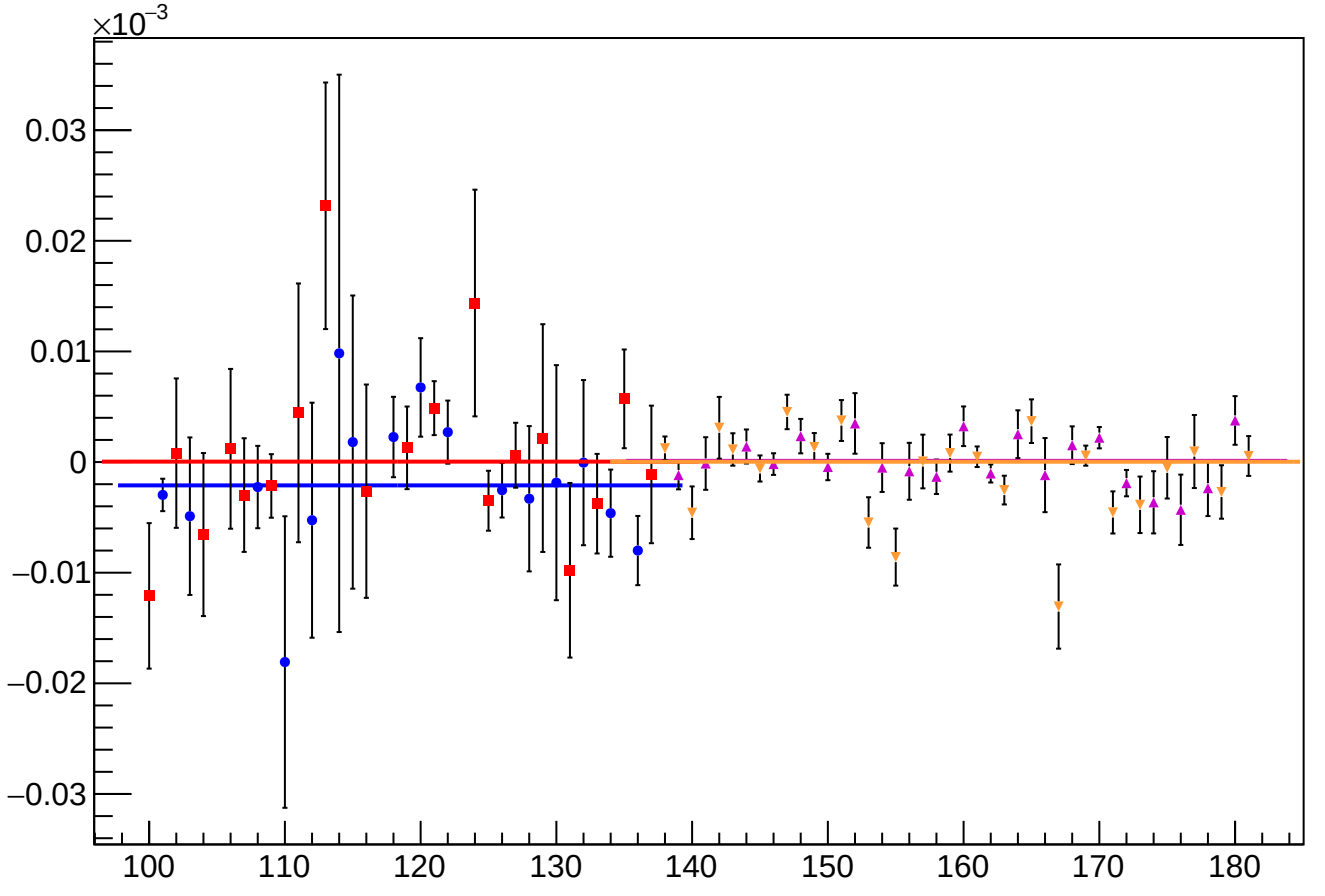
Right Out: 35.140+/-0.010 χ^2/NDF: 1844676.3/18

Left In: 36.527+/-0.007 χ^2/NDF:2411127.3/20

+ sign 34.950+/-0.005 χ^2/NDF: 5731126.7/38

All: 35.500+/-0.004 χ^2/NDF: 10022561.0/78

- sign 36.100+/-0.006 χ^2/NDF: 4269081.9/39



Right In: -0.000+/-0.000 χ^2/NDF: 14.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:67.2/22

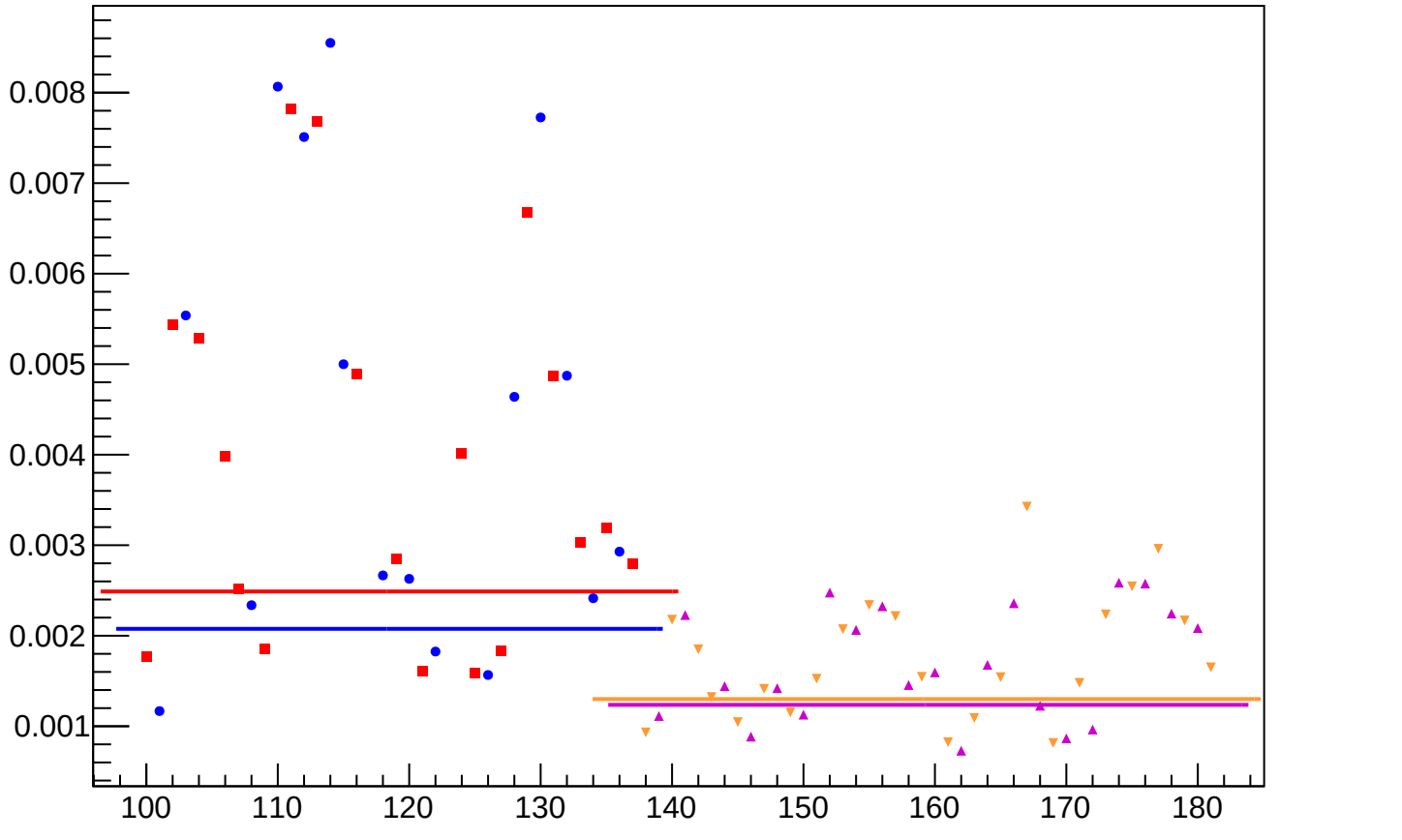
Right Out: 0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: 0.000+/-0.000 χ^2/NDF:28.8/20

+ sign -0.000+/-0.000 χ^2/NDF: 86.8/38

All: -0.000+/-0.000 χ^2/NDF: 137.5/78

- sign 0.000+/-0.000 χ^2/NDF: 50.2/39



Right In: 0.002+/-0.000 χ^2/NDF: 3916668.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:4960457.0/22

Right Out: 0.002+/-0.000 χ^2/NDF: 3092230.7/18

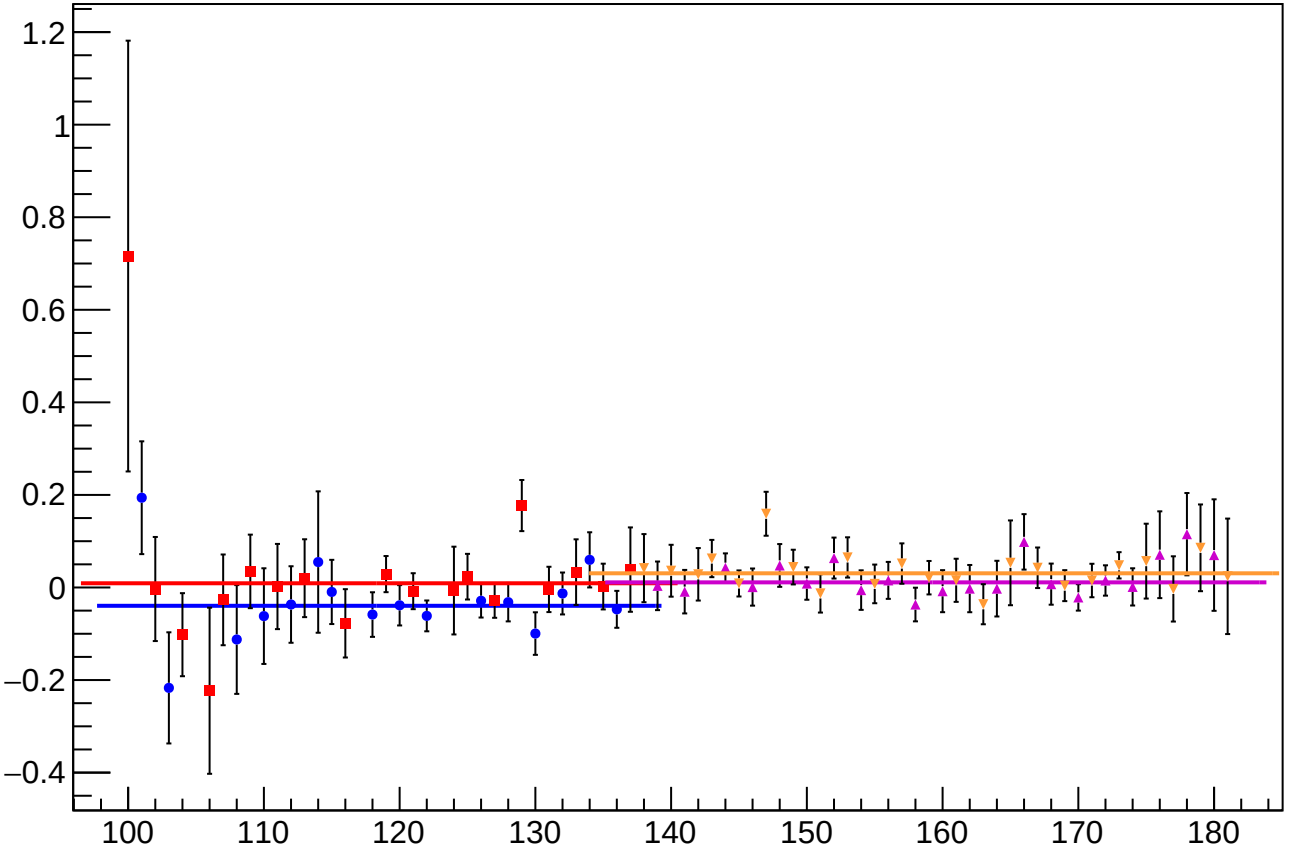
Left In: 0.001+/-0.000 χ^2/NDF:4790510.5/20

+ sign 0.001+/-0.000 χ^2/NDF: 10160837.9/38

All: 0.001+/-0.000 χ^2/NDF: 20683730.0/78

- sign 0.001+/-0.000 χ^2/NDF: 10506019.3/39

asym_sam_26_48_dd_eigen_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:15.6/22

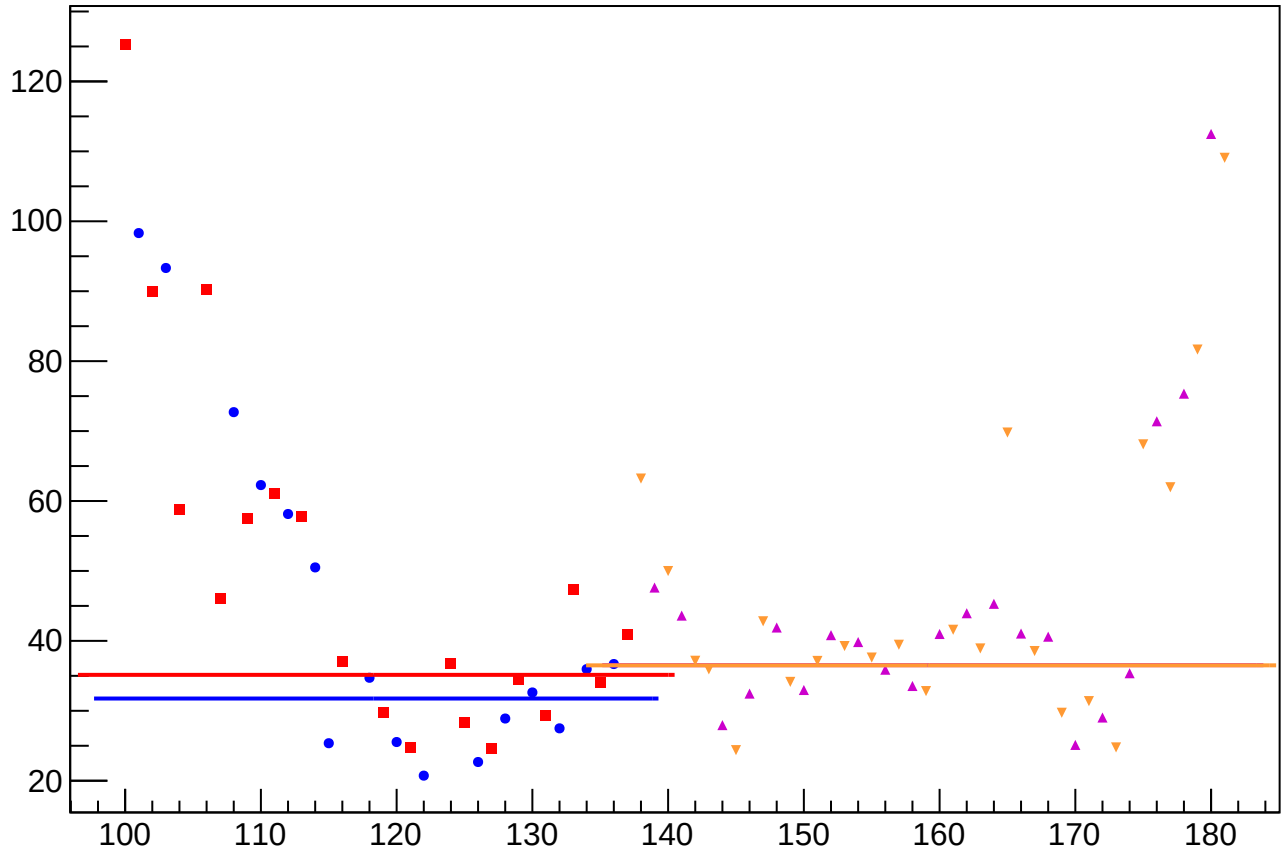
Right Out: 0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: 0.011+/-0.009 χ^2/NDF:11.1/20

+ sign 0.008+/-0.008 χ^2/NDF: 47.1/38

All: 0.009+/-0.005 χ^2/NDF: 76.6/78

- sign 0.010+/-0.008 χ^2/NDF: 29.4/39



Right In: 31.756+/-0.009 χ^2/NDF: 2252373.4/15

Left Out: 36.501+/-0.006 χ^2/NDF:3303727.3/22

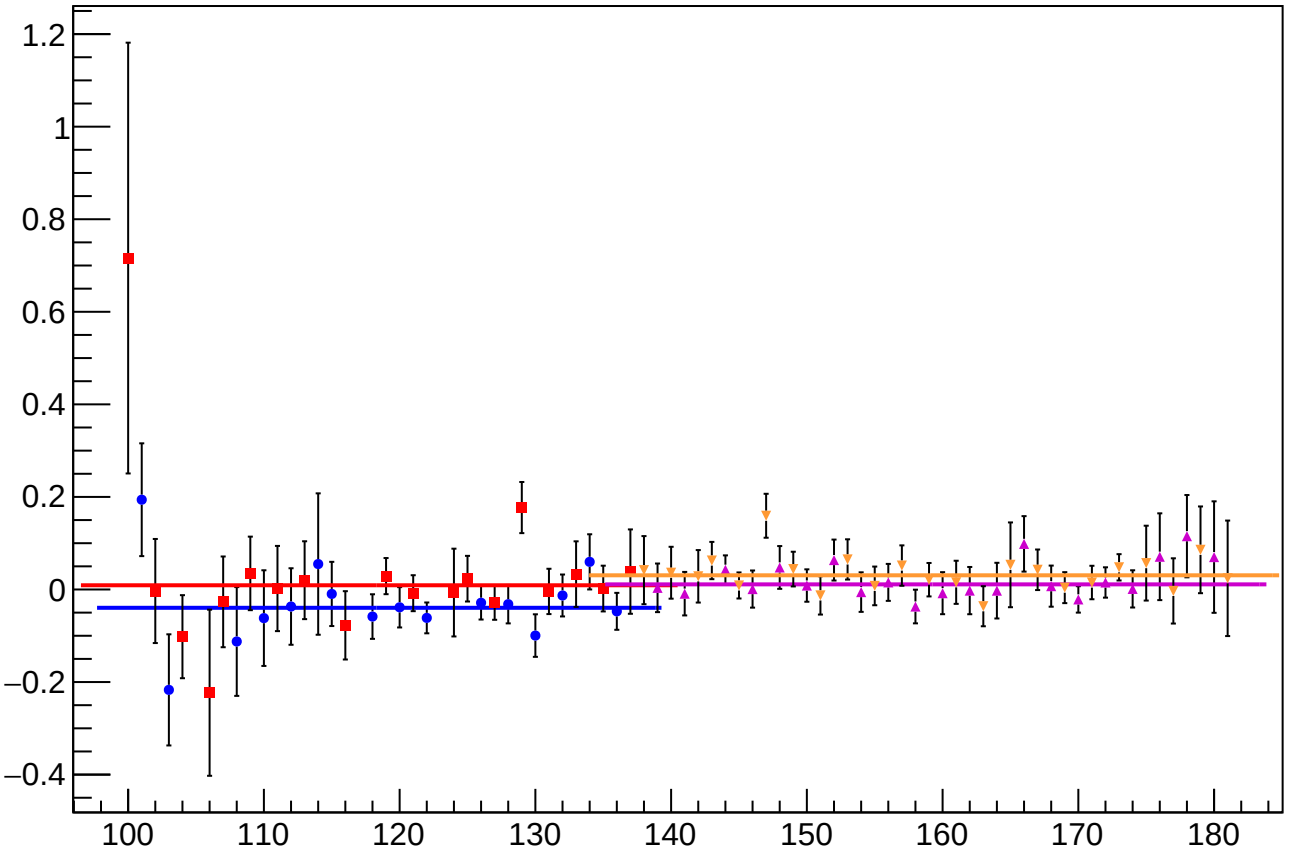
Right Out: 35.140+/-0.010 χ^2/NDF: 1844572.3/18

Left In: 36.527+/-0.007 χ^2/NDF:2411092.7/20

+ sign 34.950+/-0.005 χ^2/NDF: 5731082.3/38

All: 35.500+/-0.004 χ^2/NDF: 10022368.0/78

- sign 36.100+/-0.006 χ^2/NDF: 4268933.5/39



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.031+/-0.009 χ^2/NDF:15.6/22

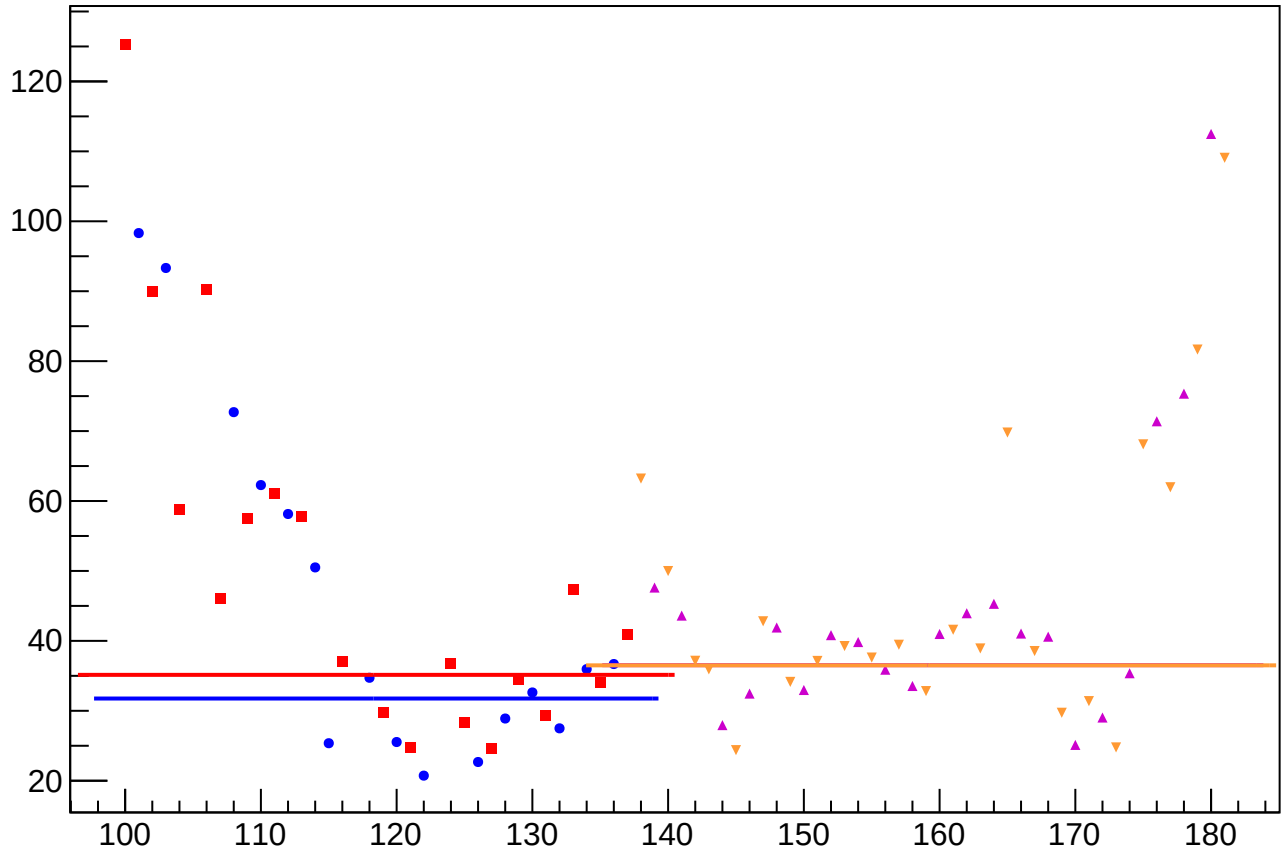
Right Out: 0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: 0.011+/-0.009 χ^2/NDF:11.1/20

+ sign 0.008+/-0.008 χ^2/NDF: 47.1/38

All: 0.009+/-0.005 χ^2/NDF: 76.6/78

- sign 0.010+/-0.008 χ^2/NDF: 29.4/39



Right In: 31.756+/-0.009 χ^2/NDF: 2252373.4/15

Left Out: 36.501+/-0.006 χ^2/NDF:3303727.3/22

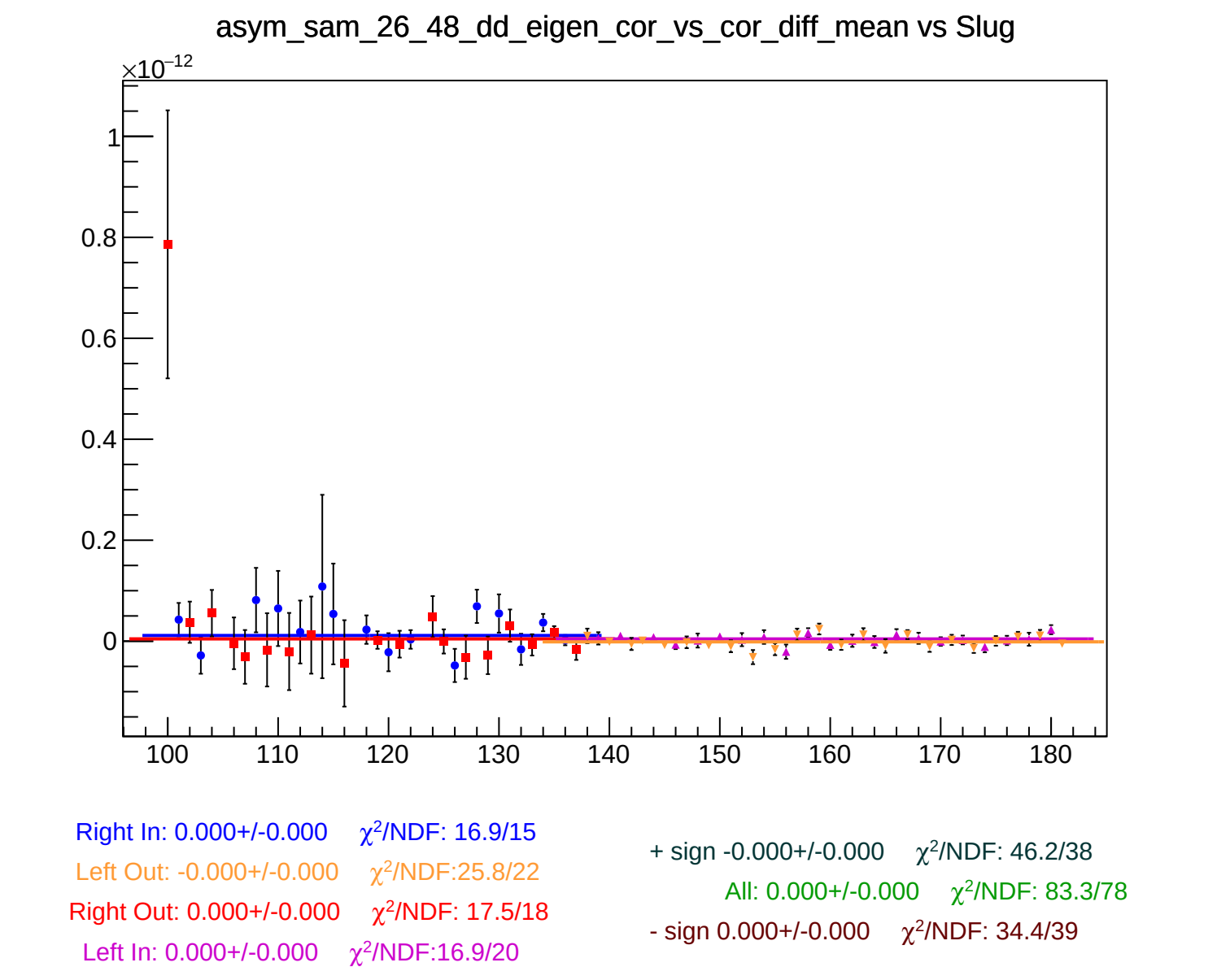
Right Out: 35.140+/-0.010 χ^2/NDF: 1844572.3/18

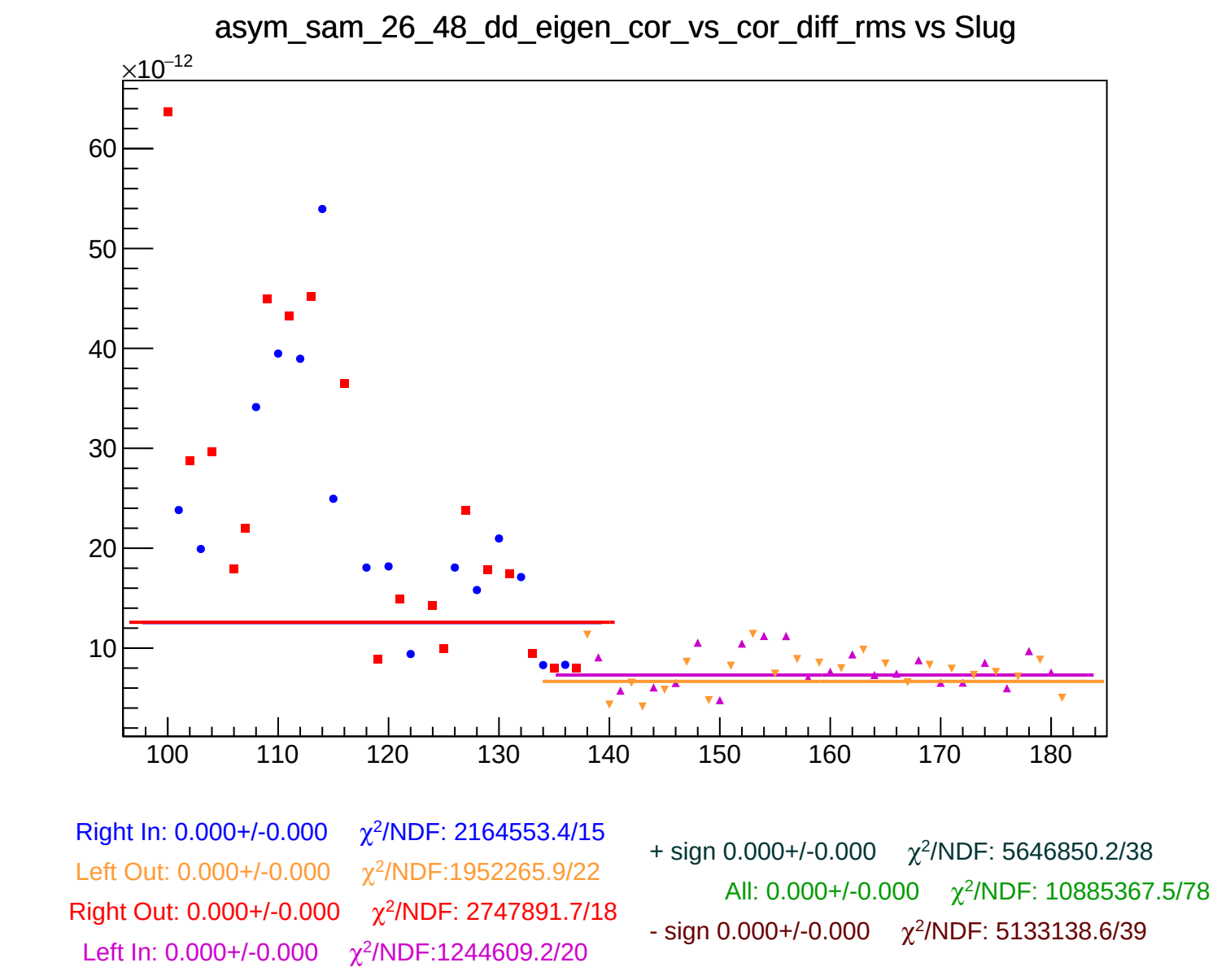
Left In: 36.527+/-0.007 χ^2/NDF:2411092.7/20

+ sign 34.950+/-0.005 χ^2/NDF: 5731082.3/38

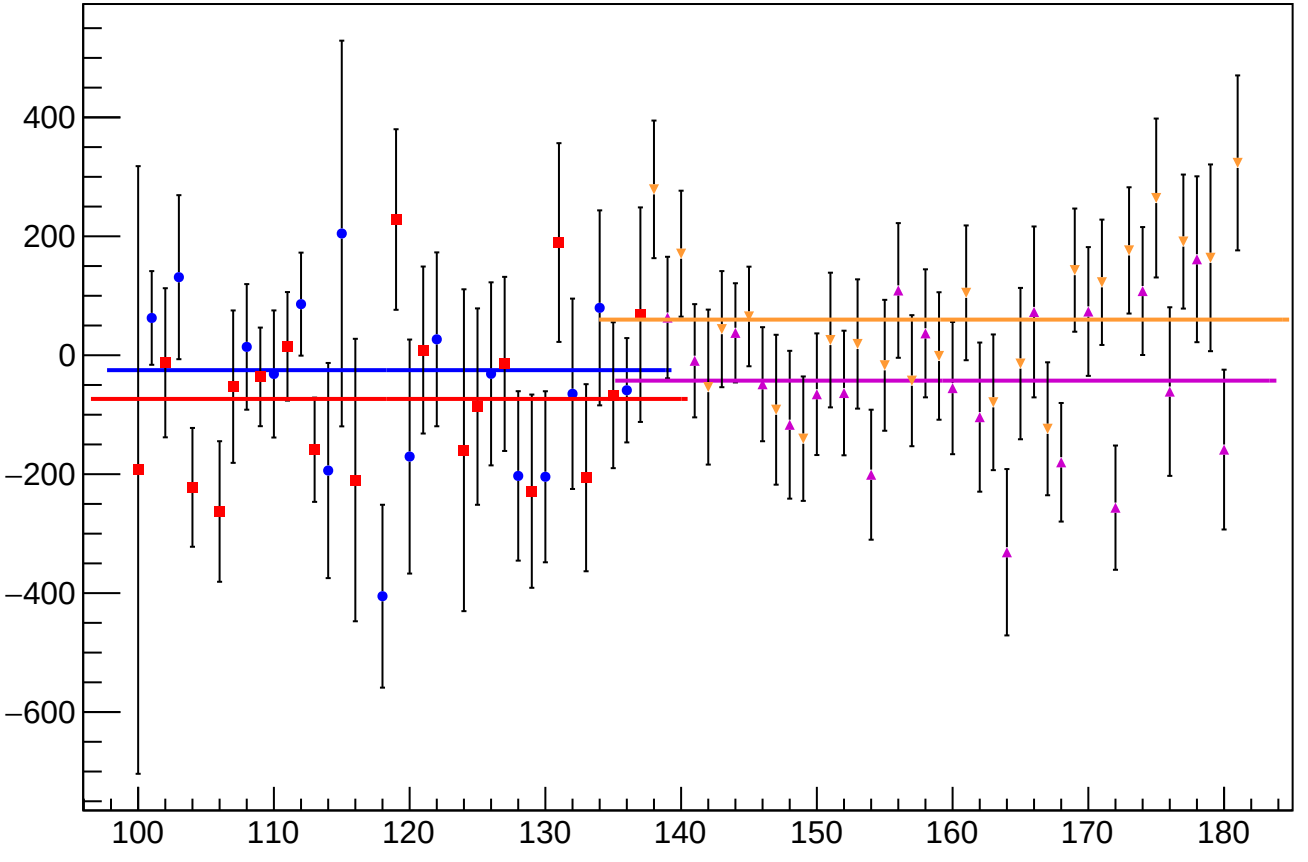
All: 35.500+/-0.004 χ^2/NDF: 10022368.0/78

- sign 36.100+/-0.006 χ^2/NDF: 4268933.5/39


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:25.8/22
Right Out: 0.000+/-0.000 χ²/NDF: 17.5/18
Left In: 0.000+/-0.000 χ²/NDF:16.9/20
+ sign -0.000+/-0.000 χ²/NDF: 46.2/38
All: 0.000+/-0.000 χ²/NDF: 83.3/78
- sign 0.000+/-0.000 χ²/NDF: 34.4/39


asym_sam_26_48_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: 2164553.4/15
Left Out: 0.000+/-0.000 χ²/NDF:1952265.9/22
Right Out: 0.000+/-0.000 χ²/NDF: 2747891.7/18
Left In: 0.000+/-0.000 χ²/NDF:1244609.2/20
+ sign 0.000+/-0.000 χ²/NDF: 5646850.2/38
All: 0.000+/-0.000 χ²/NDF: 10885367.5/78
- sign 0.000+/-0.000 χ²/NDF: 5133138.6/39

reg_asym_sam_1548_avg_mean vs Slug



Right In: -25.072+/-31.230 χ^2/NDF: 16.2/15

Left Out: 59.931+/-23.381 χ^2/NDF:26.7/22

Right Out: -73.458+/-29.935 χ^2/NDF: 16.8/18

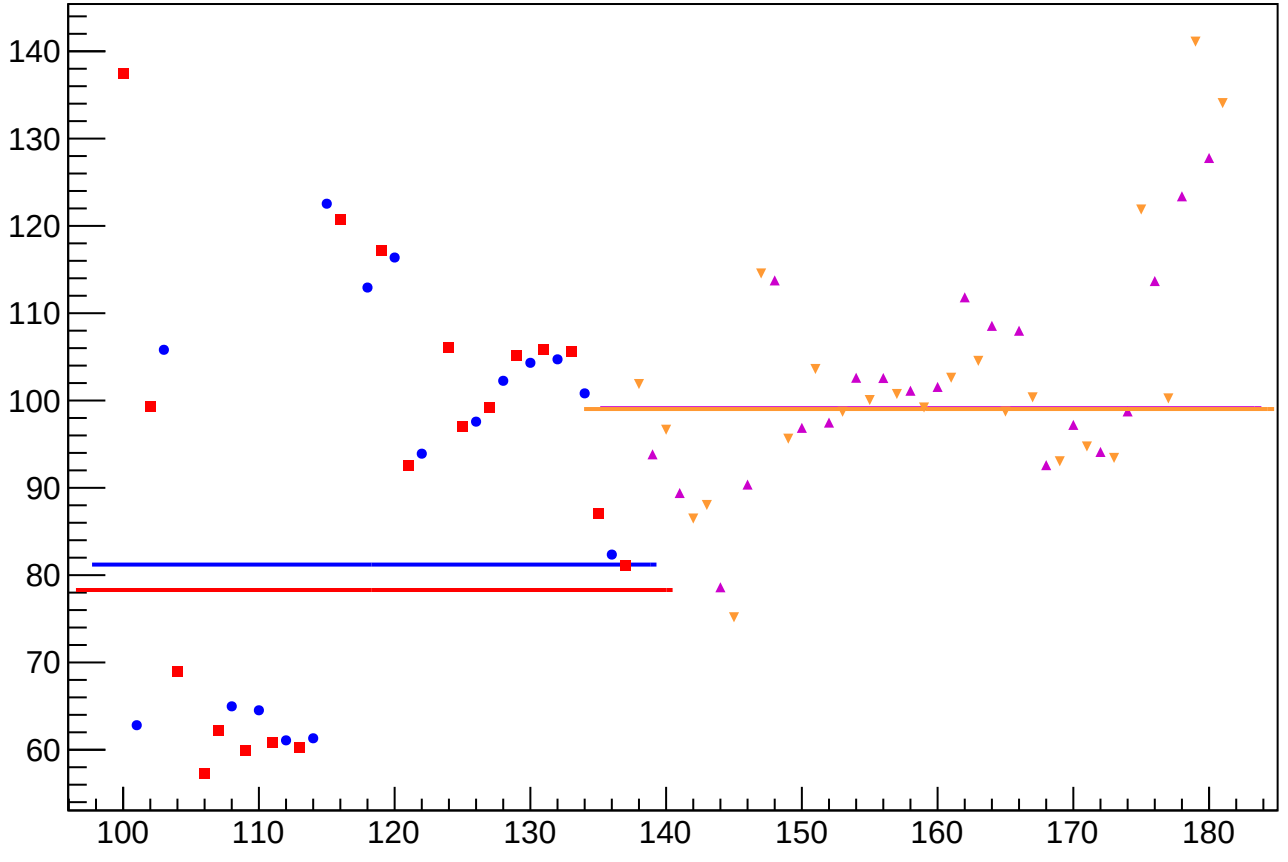
Left In: -42.708+/-24.095 χ^2/NDF:24.3/20

+ sign 29.399+/-18.717 χ^2/NDF: 47.7/38

All: -12.581+/-13.253 χ^2/NDF: 99.4/78

- sign -54.798+/-18.770 χ^2/NDF: 41.7/39

reg_asym_sam_1548_avg_rms vs Slug



Right In: 81.210+/-0.022 χ^2/NDF: 787676.9/15

Left Out: 99.026+/-0.017 χ^2/NDF:583150.4/22

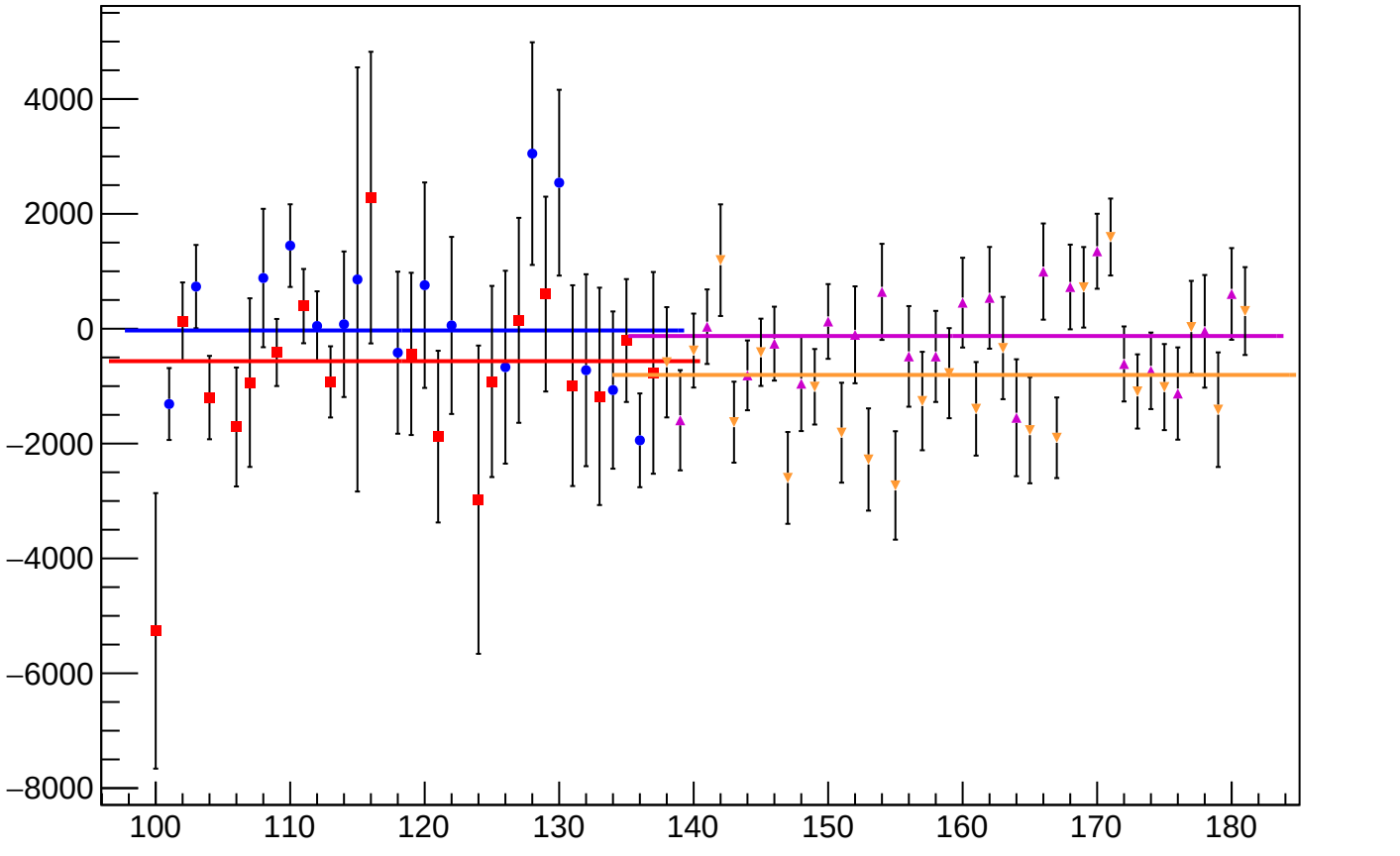
Right Out: 78.298+/-0.021 χ^2/NDF: 934673.9/18

Left In: 99.126+/-0.017 χ^2/NDF:422162.3/20

+ sign 92.626+/-0.013 χ^2/NDF: 1787937.2/38

All: 91.784+/-0.009 χ^2/NDF: 3740463.1/78

- sign 90.937+/-0.013 χ^2/NDF: 1944406.0/39



Right In: -30.407+/-256.999 χ^2/NDF: 21.9/15

Left Out: -804.851+/-160.709 χ^2/NDF:45.9/22

Right Out: -564.890+/-238.492 χ^2/NDF: 13.3/18

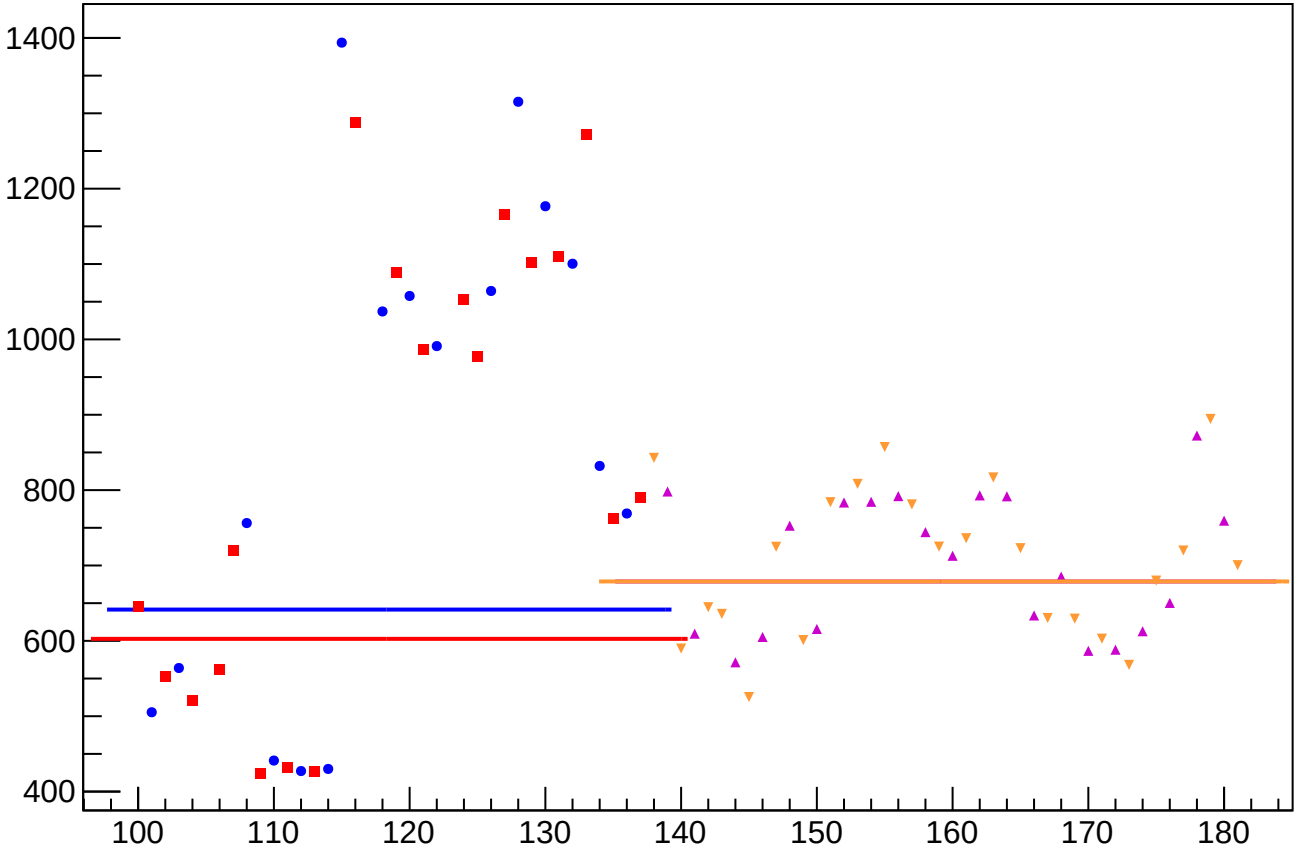
Left In: -127.149+/-165.291 χ^2/NDF:21.7/20

+ sign -587.145+/-136.261 χ^2/NDF: 74.3/38

All: -427.688+/-96.206 χ^2/NDF: 114.3/78

- sign -269.187+/-135.853 χ^2/NDF: 37.2/39

asym_sam_1548_avg_reg_correction_rms vs Slug



Right In: 641.499+/-0.182 χ^2/NDF: 1874990.8/15

Left Out: 678.819+/-0.114 χ^2/NDF:723249.9/22

Right Out: 602.654+/-0.169 χ^2/NDF: 2070307.7/18

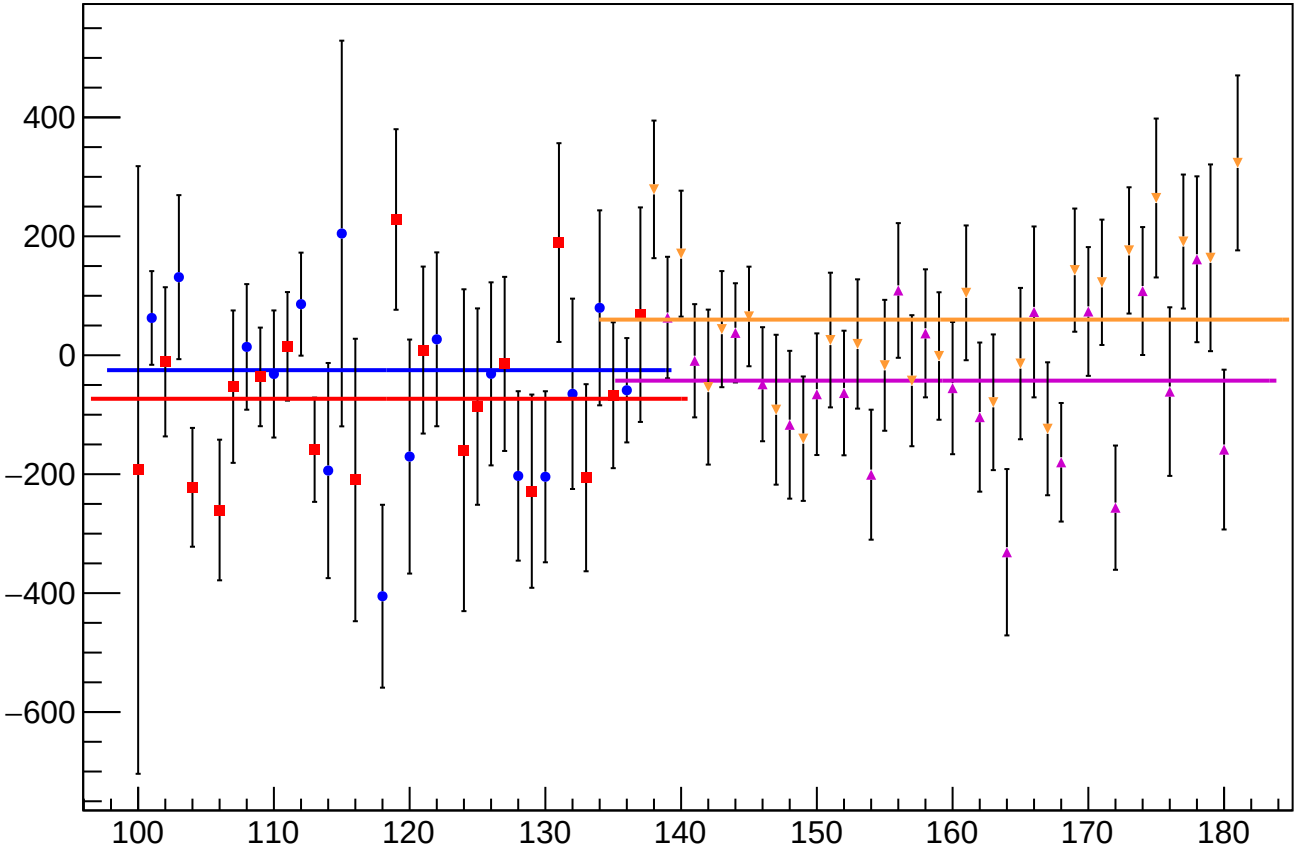
Left In: 678.757+/-0.117 χ^2/NDF:559599.2/20

+ sign 668.328+/-0.096 χ^2/NDF: 2628560.7/38

All: 661.174+/-0.068 χ^2/NDF: 5407030.9/78

- sign 654.063+/-0.096 χ^2/NDF: 2767477.4/39

cor_asym_sam_1548_avg_mean vs Slug



Right In: -25.075+/-31.230 χ^2/NDF: 16.2/15

Left Out: 59.936+/-23.381 χ^2/NDF:26.7/22

Right Out: -73.193+/-29.937 χ^2/NDF: 16.7/18

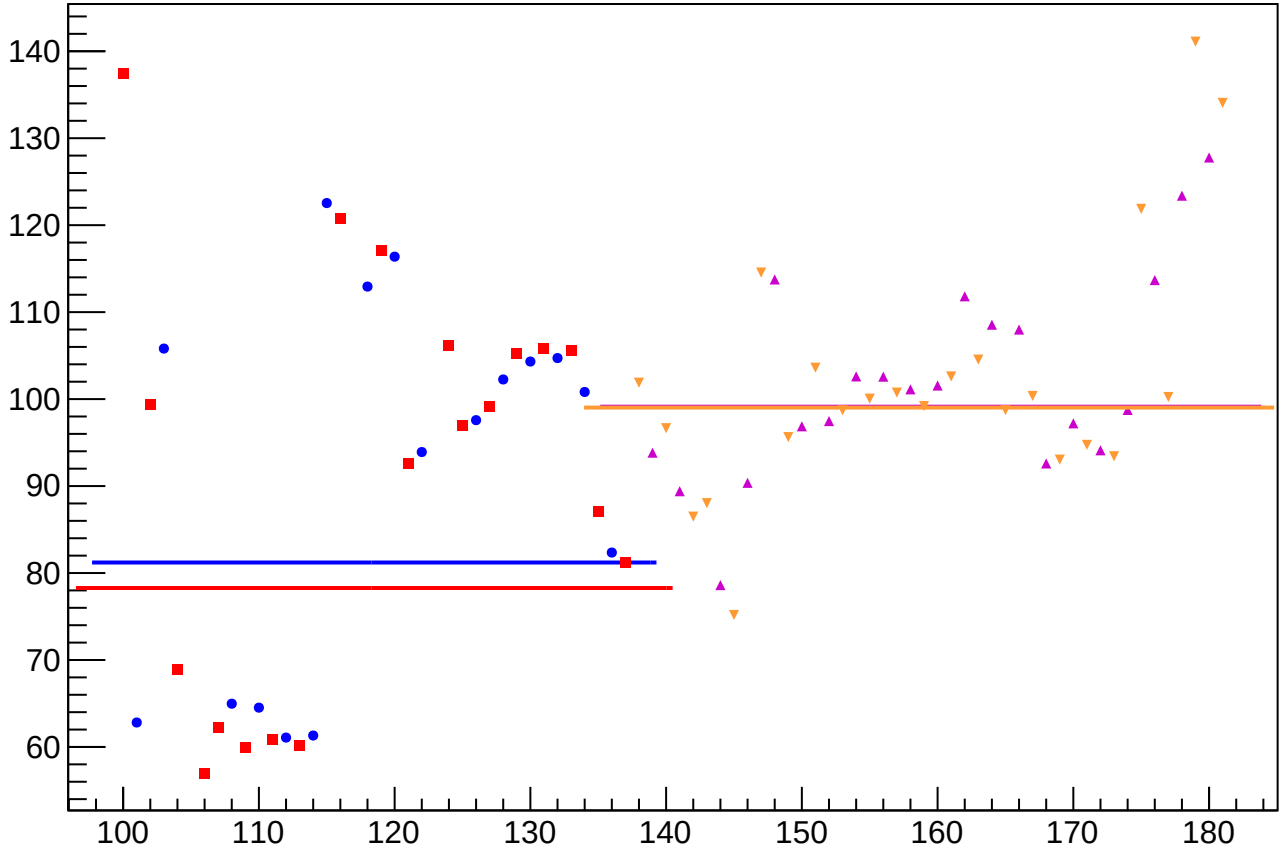
Left In: -42.709+/-24.095 χ^2/NDF:24.3/20

+ sign 29.401+/-18.717 χ^2/NDF: 47.7/38

All: -12.526+/-13.254 χ^2/NDF: 99.4/78

- sign -54.693+/-18.770 χ^2/NDF: 41.6/39

cor_asym_sam_1548_avg_rms vs Slug



Right In: 81.210+/-0.022 χ^2/NDF: 787679.3/15

Left Out: 99.026+/-0.017 χ^2/NDF:583150.5/22

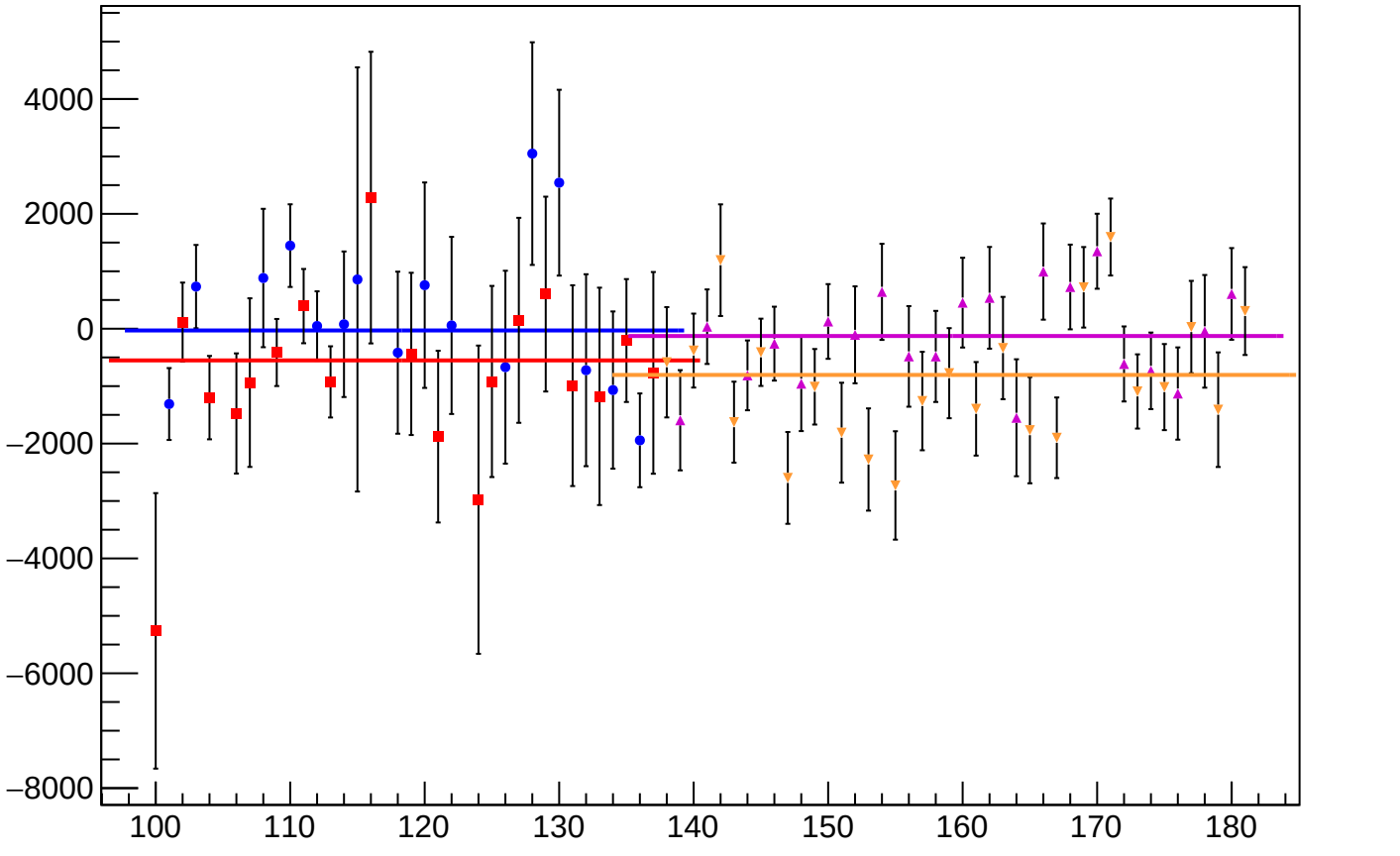
Right Out: 78.279+/-0.021 χ^2/NDF: 936812.2/18

Left In: 99.126+/-0.017 χ^2/NDF:422162.4/20

+ sign 92.626+/-0.013 χ^2/NDF: 1787938.7/38

All: 91.781+/-0.009 χ^2/NDF: 3743676.1/78

- sign 90.931+/-0.013 χ^2/NDF: 1947552.9/39



Right In: -30.434+/-257.002 χ^2/NDF: 21.9/15

Left Out: -804.845+/-160.709 χ^2/NDF:45.9/22

Right Out: -551.948+/-238.640 χ^2/NDF: 12.8/18

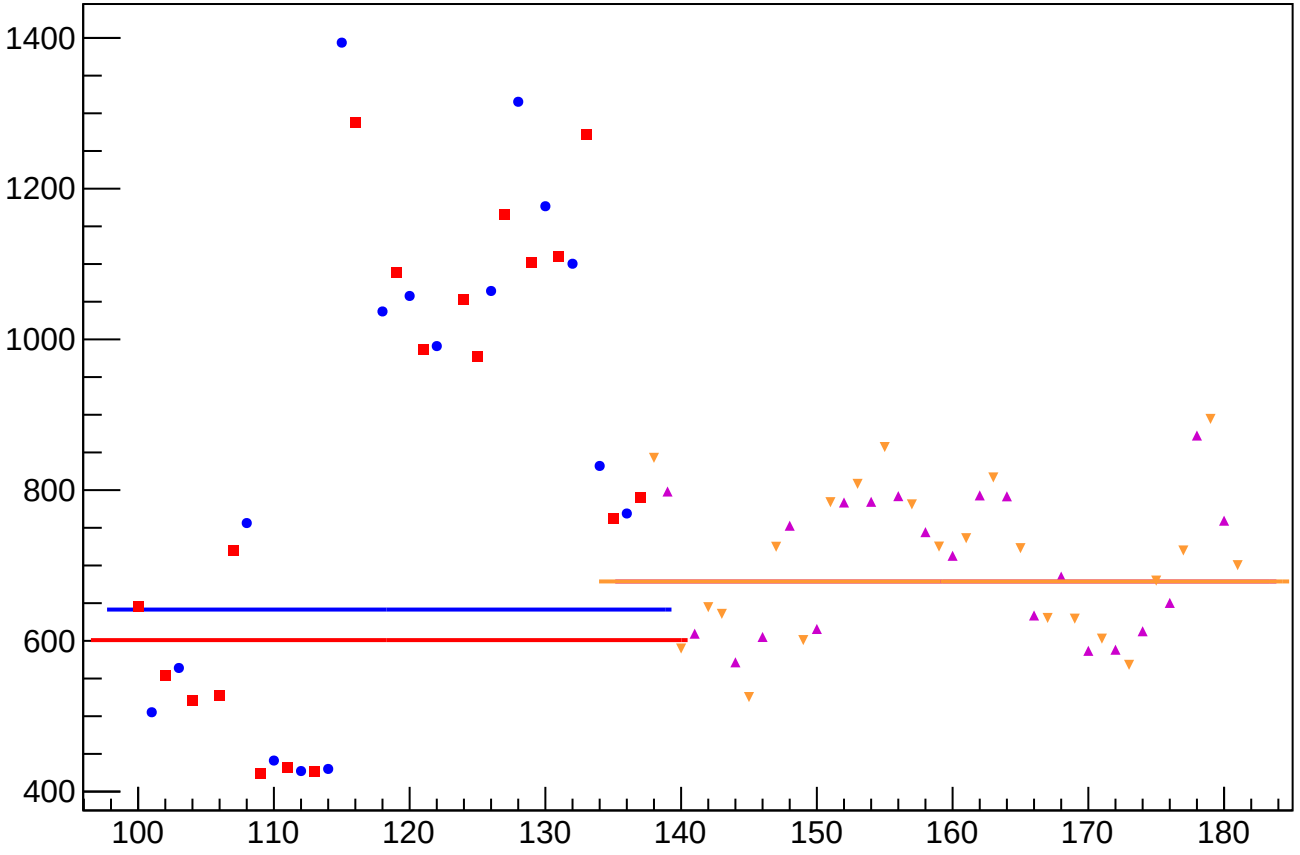
Left In: -127.148+/-165.291 χ^2/NDF:21.7/20

+ sign -587.152+/-136.262 χ^2/NDF: 74.3/38

All: -425.560+/-96.216 χ^2/NDF: 113.7/78

- sign -264.872+/-135.880 χ^2/NDF: 36.6/39

asym_sam_1548_avg_cor_correction_rms vs Slug



Right In: 641.507+/-0.182 χ^2/NDF: 1874950.0/15

Left Out: 678.819+/-0.114 χ^2/NDF:723249.7/22

Right Out: 600.975+/-0.169 χ^2/NDF: 2077232.5/18

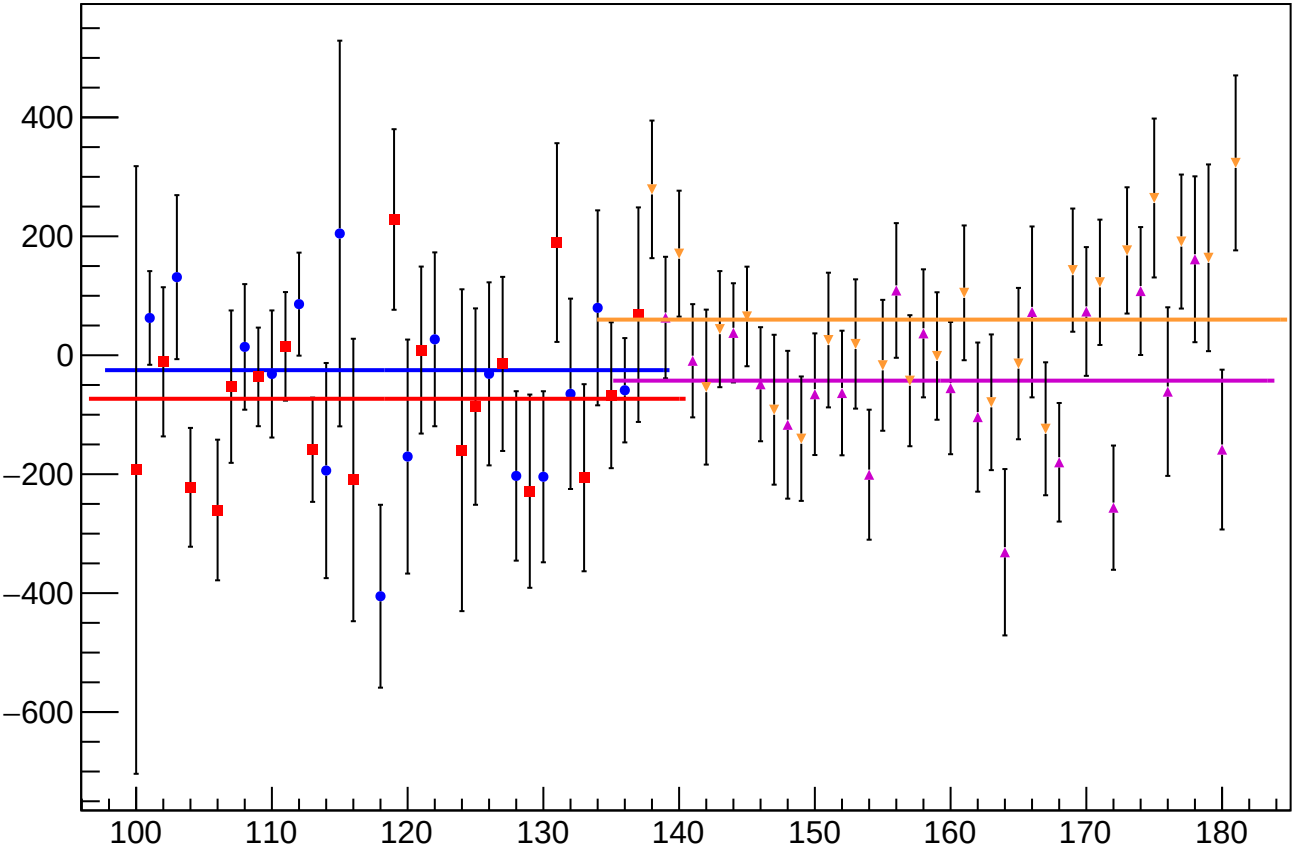
Left In: 678.757+/-0.117 χ^2/NDF:559600.3/20

+ sign 668.331+/-0.096 χ^2/NDF: 2628504.5/38

All: 660.914+/-0.068 χ^2/NDF: 5420738.0/78

- sign 653.539+/-0.096 χ^2/NDF: 2780417.4/39

eigen_cor_asym_sam_1548_avg_mean vs Slug



Right In: -25.075+/-31.230 χ^2/NDF: 16.2/15

Left Out: 59.936+/-23.381 χ^2/NDF:26.7/22

Right Out: -73.193+/-29.937 χ^2/NDF: 16.7/18

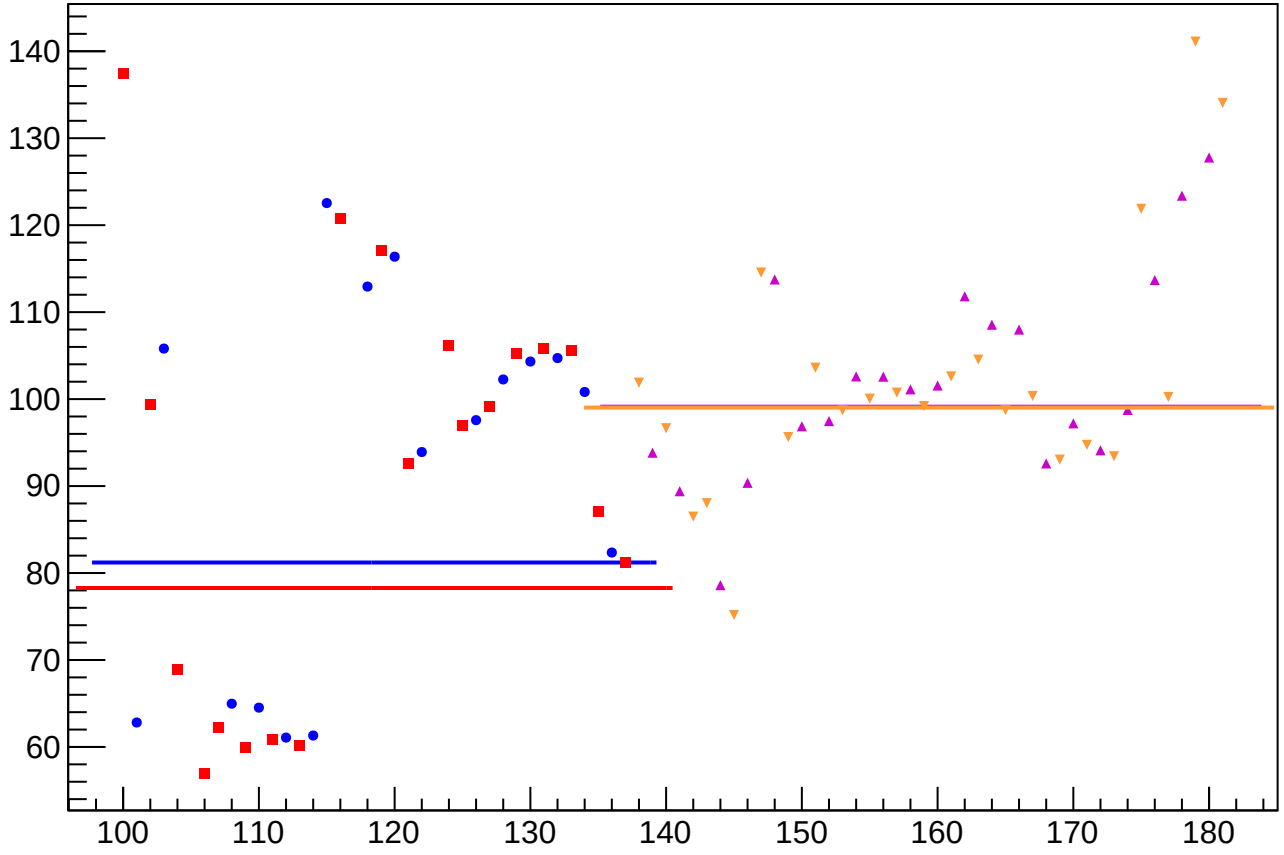
Left In: -42.709+/-24.095 χ^2/NDF:24.3/20

+ sign 29.401+/-18.717 χ^2/NDF: 47.7/38

All: -12.526+/-13.254 χ^2/NDF: 99.4/78

- sign -54.693+/-18.770 χ^2/NDF: 41.6/39

eigen_cor_asym_sam_1548_avg_rms vs Slug



Right In: 81.210+/-0.022 χ^2/NDF: 787679.3/15

Left Out: 99.026+/-0.017 χ^2/NDF:583150.5/22

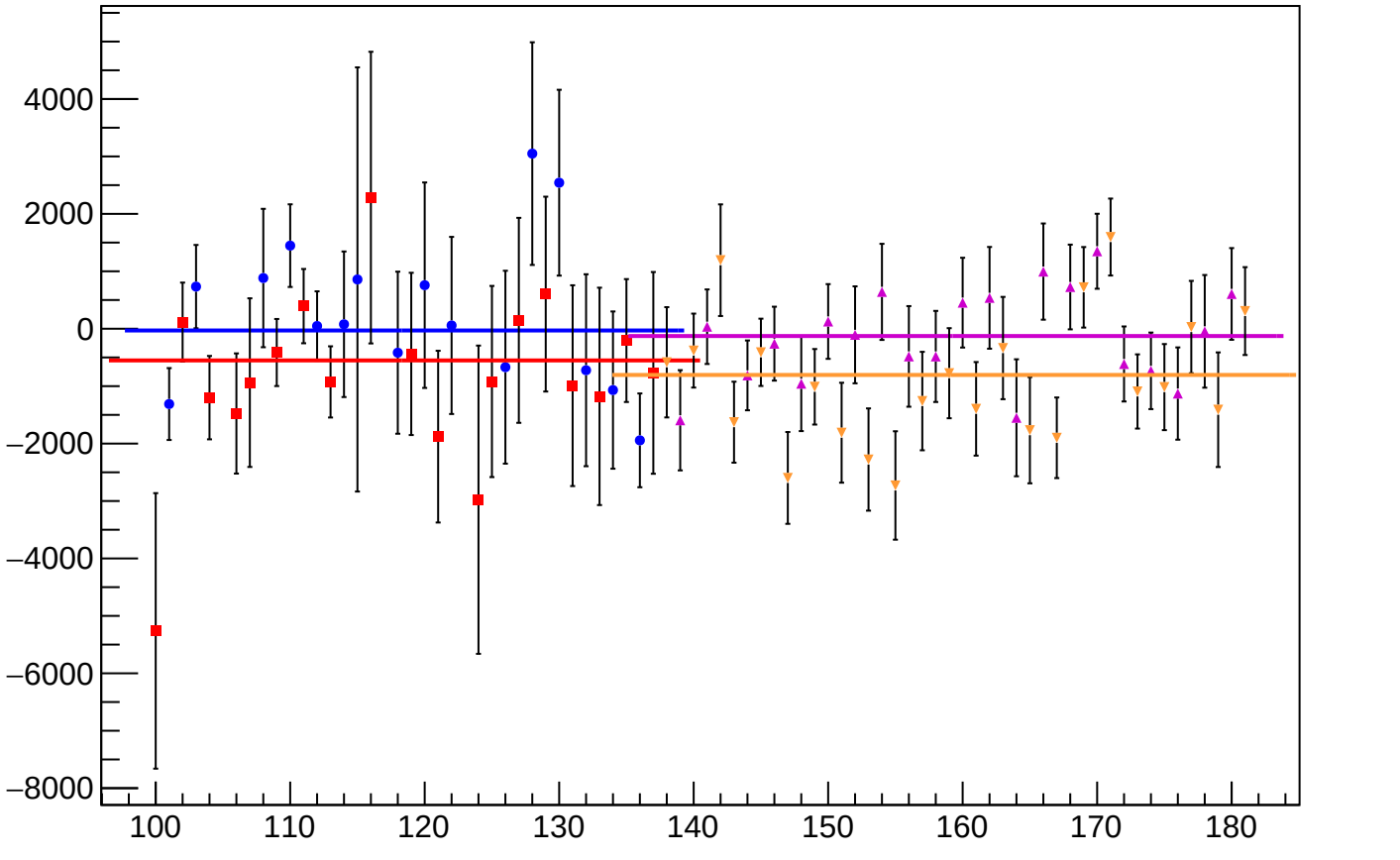
Right Out: 78.279+/-0.021 χ^2/NDF: 936812.2/18

Left In: 99.126+/-0.017 χ^2/NDF:422162.4/20

+ sign 92.626+/-0.013 χ^2/NDF: 1787938.7/38

All: 91.781+/-0.009 χ^2/NDF: 3743676.1/78

- sign 90.931+/-0.013 χ^2/NDF: 1947552.9/39



Right In: -30.434+/-257.002 χ^2/NDF: 21.9/15

Left Out: -804.845+/-160.709 χ^2/NDF:45.9/22

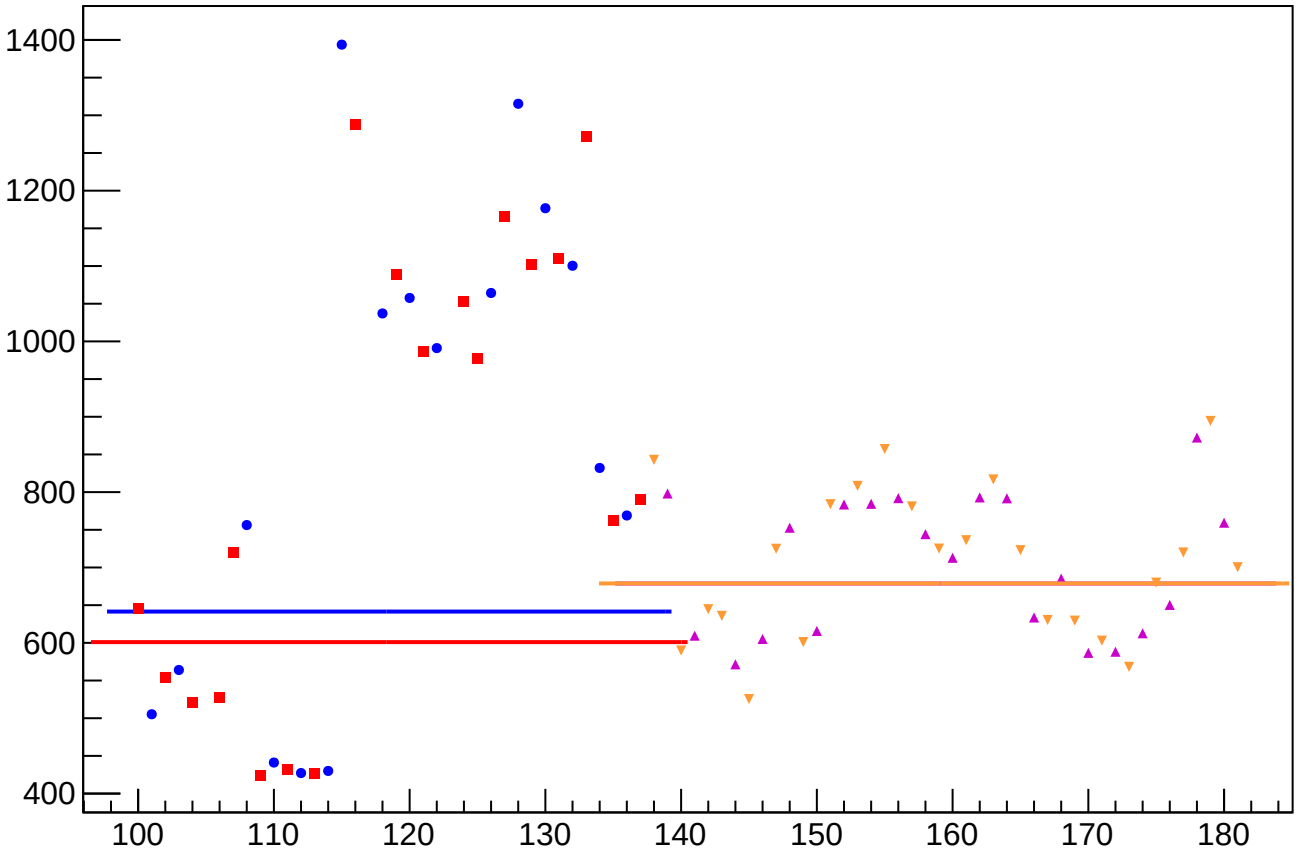
Right Out: -551.948+/-238.640 χ^2/NDF: 12.8/18

Left In: -127.148+/-165.291 χ^2/NDF:21.7/20

+ sign -587.152+/-136.262 χ^2/NDF: 74.3/38

All: -425.560+/-96.216 χ^2/NDF: 113.7/78

- sign -264.872+/-135.880 χ^2/NDF: 36.6/39



Right In: 641.507+/-0.182 χ^2/NDF: 1874950.0/15

Left Out: 678.819+/-0.114 χ^2/NDF:723249.7/22

Right Out: 600.975+/-0.169 χ^2/NDF: 2077232.5/18

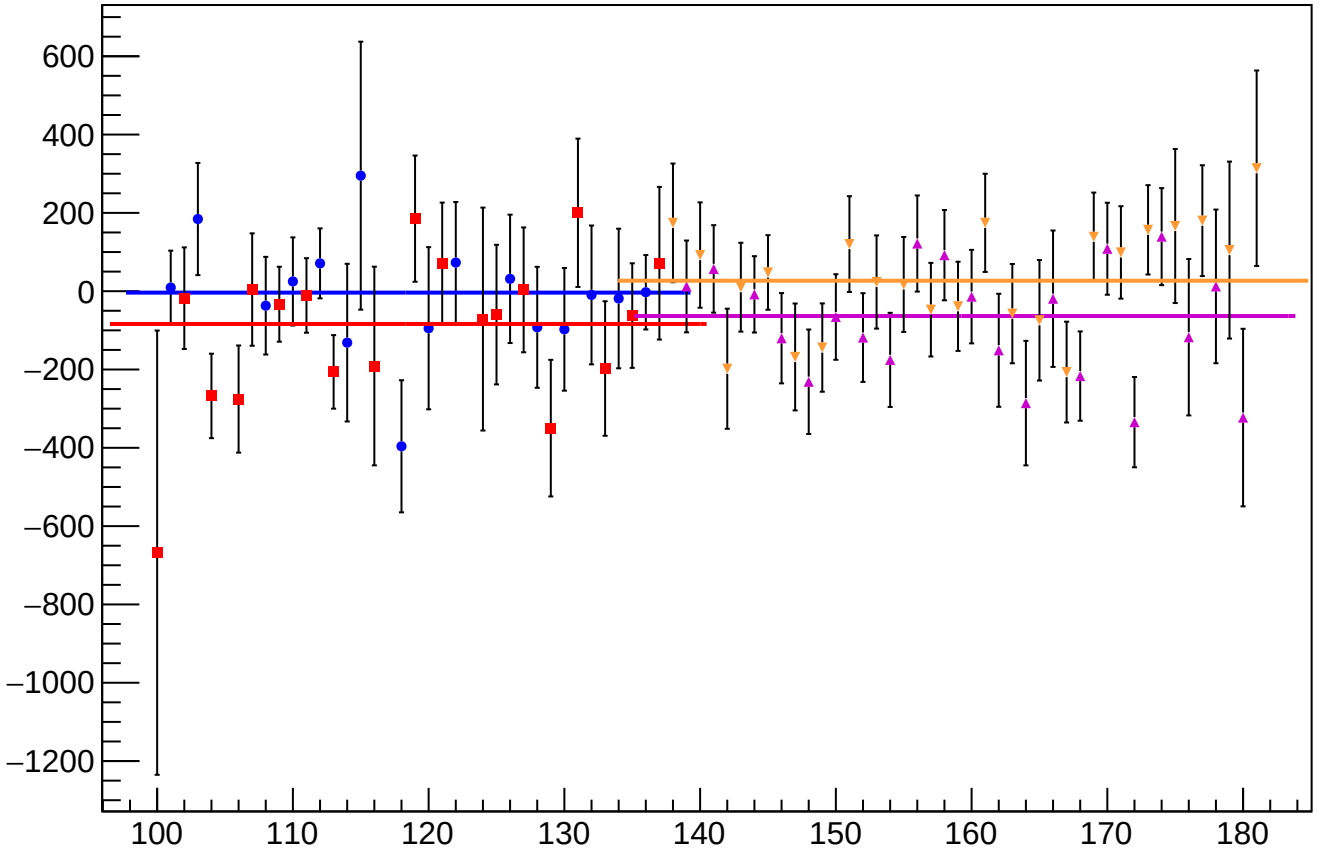
Left In: 678.757+/-0.117 χ^2/NDF:559600.3/20

+ sign 668.331+/-0.096 χ^2/NDF: 2628504.5/38

All: 660.914+/-0.068 χ^2/NDF: 5420738.0/78

- sign 653.539+/-0.096 χ^2/NDF: 2780417.4/39

dit_asym_sam_1548_avg_mean vs Slug



Right In: -3.635+/-34.152 χ^2/NDF: 10.3/15

Left Out: 26.755+/-26.912 χ^2/NDF:20.4/22

Right Out: -83.676+/-32.633 χ^2/NDF: 19.1/18

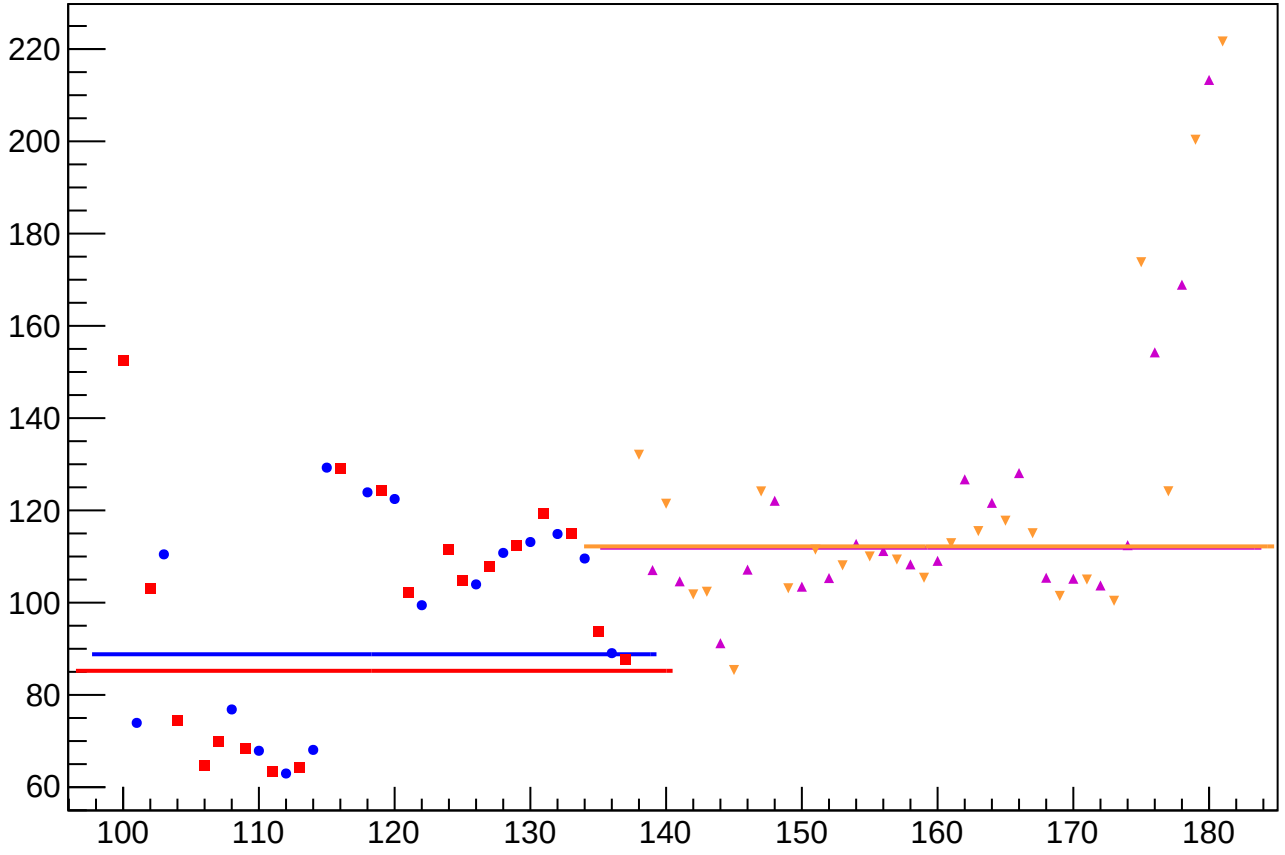
Left In: -63.447+/-27.597 χ^2/NDF:25.2/20

+ sign 15.113+/-21.138 χ^2/NDF: 31.2/38

All: -28.521+/-14.923 χ^2/NDF: 84.1/78

- sign -71.882+/-21.072 χ^2/NDF: 44.5/39

dit_asym_sam_1548_avg_rms vs Slug



Right In: 88.813+/-0.024 χ^2/NDF: 724609.8/15

Left Out: 112.195+/-0.019 χ^2/NDF:1216852.5/22

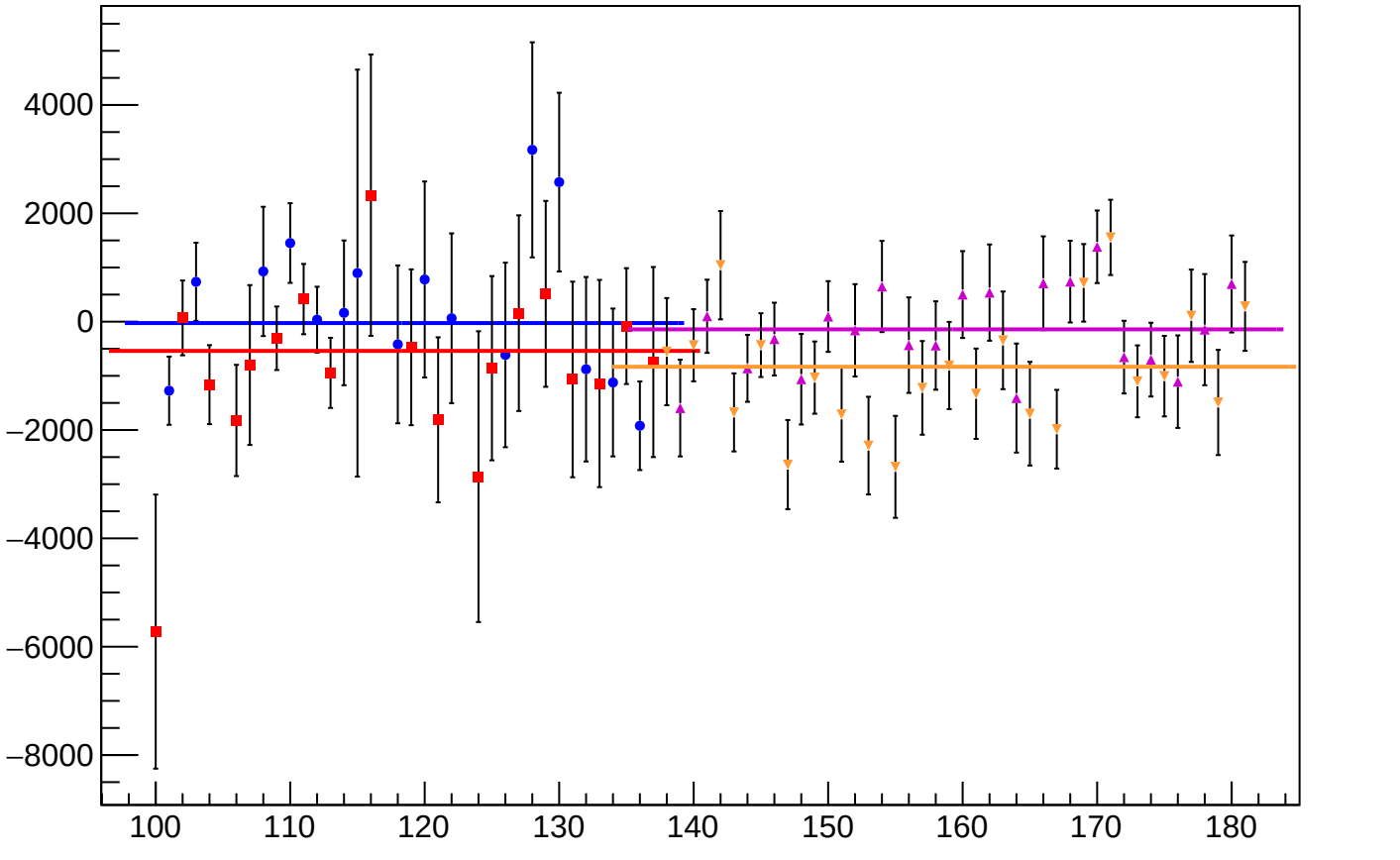
Right Out: 85.225+/-0.023 χ^2/NDF: 884071.4/18

Left In: 111.909+/-0.020 χ^2/NDF:866897.3/20

+ sign 103.238+/-0.015 χ^2/NDF: 2519757.7/38

All: 102.006+/-0.011 χ^2/NDF: 5063970.9/78

- sign 100.782+/-0.015 χ^2/NDF: 2530680.1/39



Right In: -25.770+/-259.401 χ^2/NDF: 21.6/15

Left Out: -832.320+/-164.289 χ^2/NDF:42.6/22

Right Out: -539.635+/-241.238 χ^2/NDF: 13.6/18

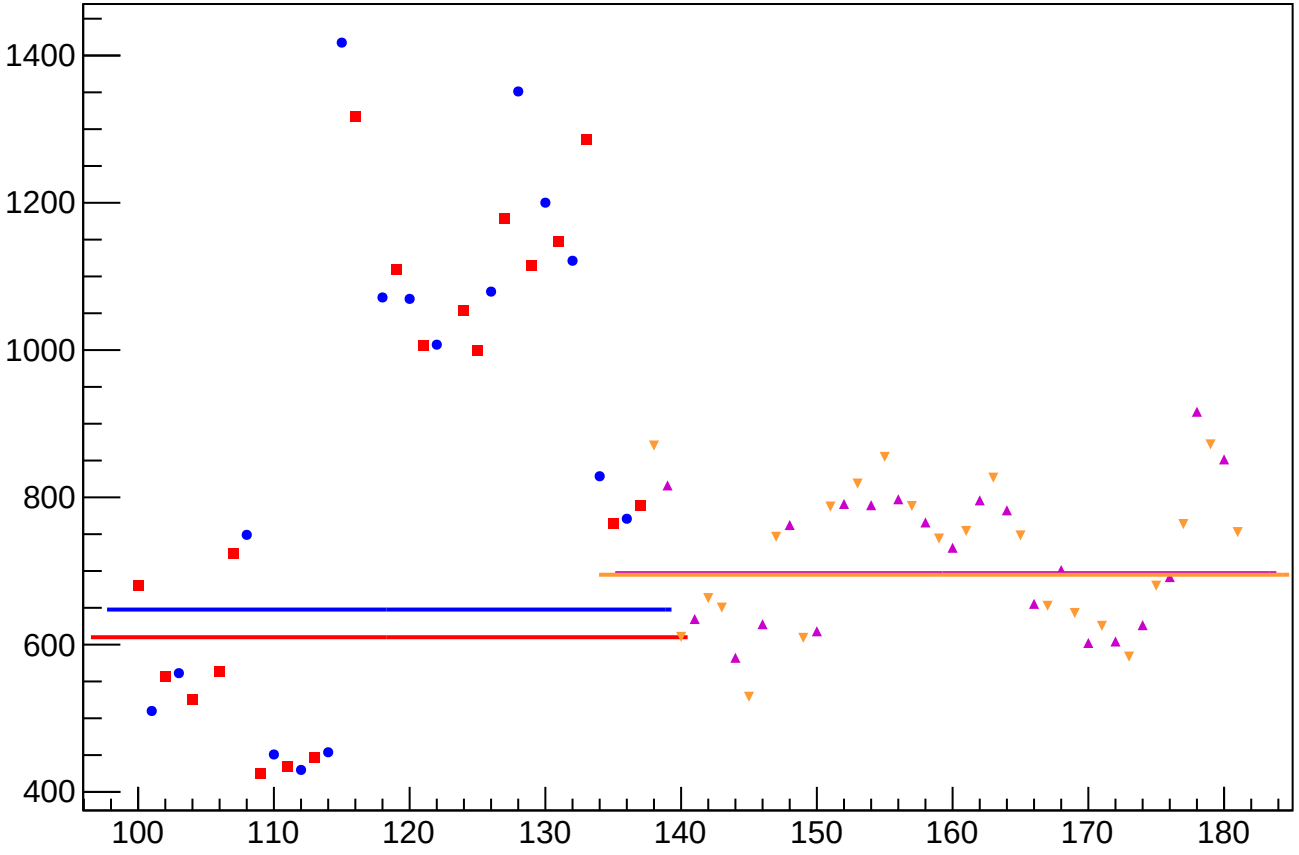
Left In: -141.974+/-169.732 χ^2/NDF:20.4/20

\+ sign -601.418+/-138.794 χ^2/NDF: 71.0/38

All: -437.558+/-98.150 χ^2/NDF: 109.7/78

\- sign -273.647+/-138.816 χ^2/NDF: 35.9/39

asym_sam_1548_avg_dit_correction_rms vs Slug



Right In: 647.641+/-0.183 χ^2/NDF: 1887815.9/15

Left Out: 694.945+/-0.116 χ^2/NDF:695617.4/22

Right Out: 610.061+/-0.171 χ^2/NDF: 2074248.2/18

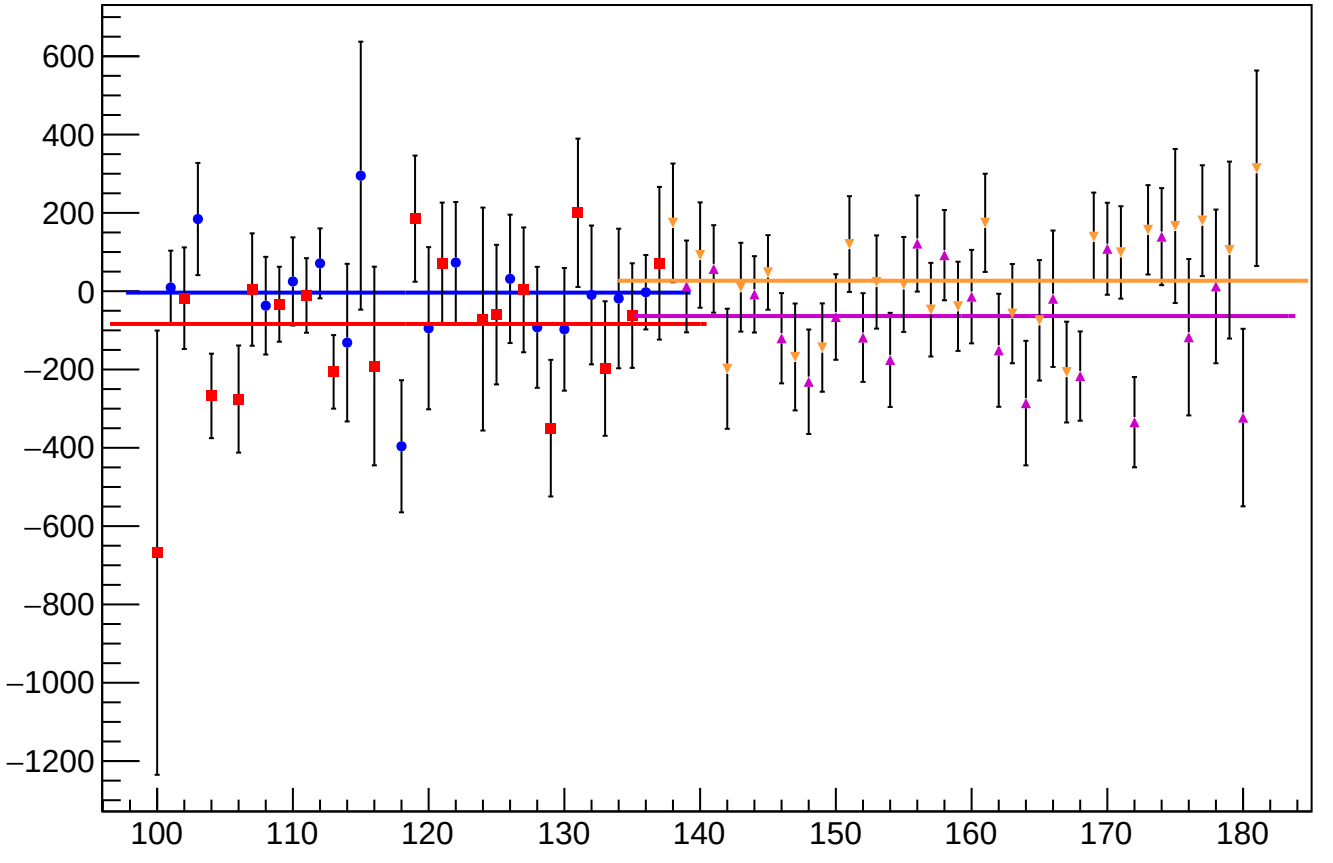
Left In: 697.051+/-0.120 χ^2/NDF:571265.8/20

\+ sign 681.403+/-0.098 χ^2/NDF: 2630903.2/38

All: 674.826+/-0.069 χ^2/NDF: 5459352.4/78

\- sign 668.247+/-0.098 χ^2/NDF: 2819466.1/39

eigen_dit_asym_sam_1548_avg_mean vs Slug



Right In: -3.633+/-34.152 χ^2/NDF: 10.3/15

Left Out: 26.756+/-26.912 χ^2/NDF:20.4/22

Right Out: -83.676+/-32.633 χ^2/NDF: 19.1/18

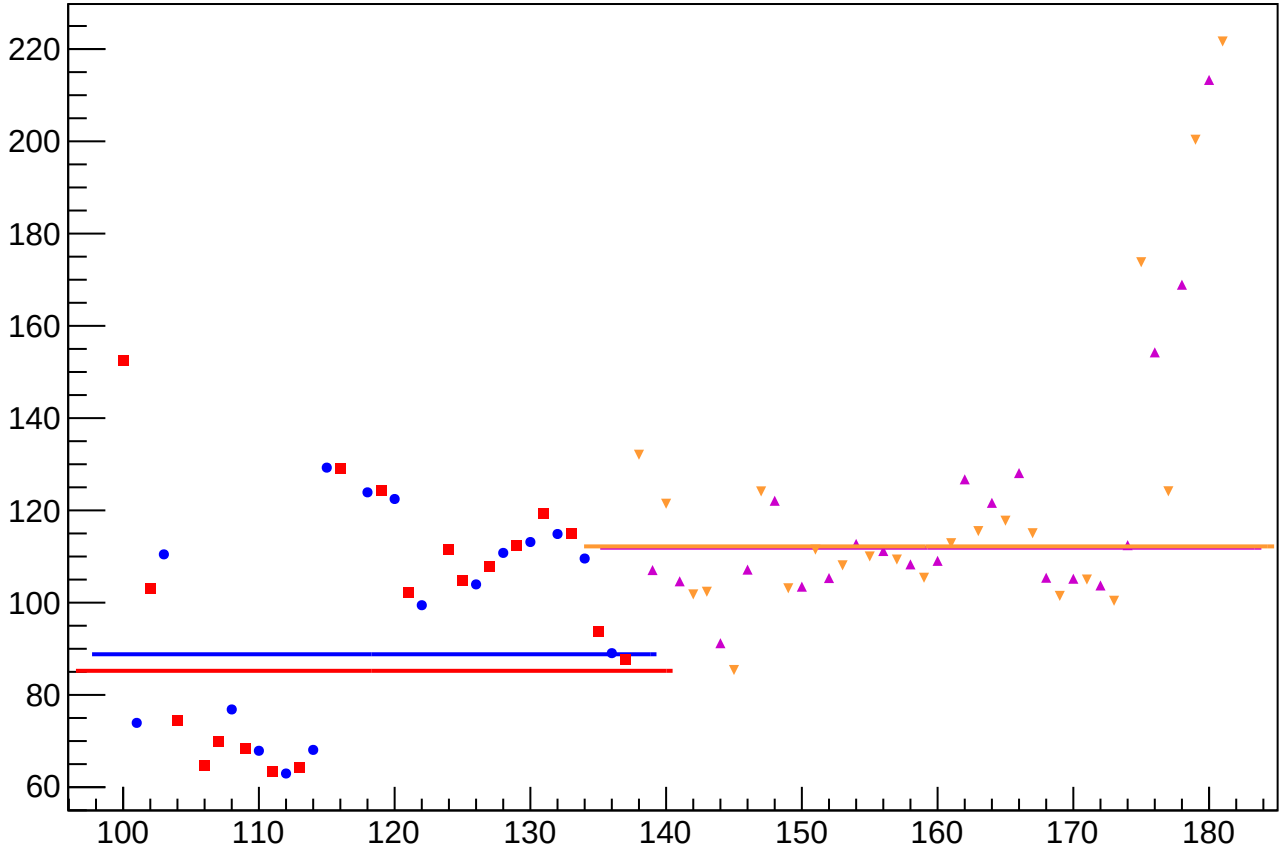
Left In: -63.447+/-27.597 χ^2/NDF:25.2/20

+ sign 15.115+/-21.138 χ^2/NDF: 31.2/38

All: -28.520+/-14.923 χ^2/NDF: 84.1/78

- sign -71.882+/-21.072 χ^2/NDF: 44.5/39

eigen_dit_asym_sam_1548_avg_rms vs Slug



Right In: 88.813+/-0.024 χ^2/NDF: 724609.7/15

Left Out: 112.195+/-0.019 χ^2/NDF:1216844.6/22

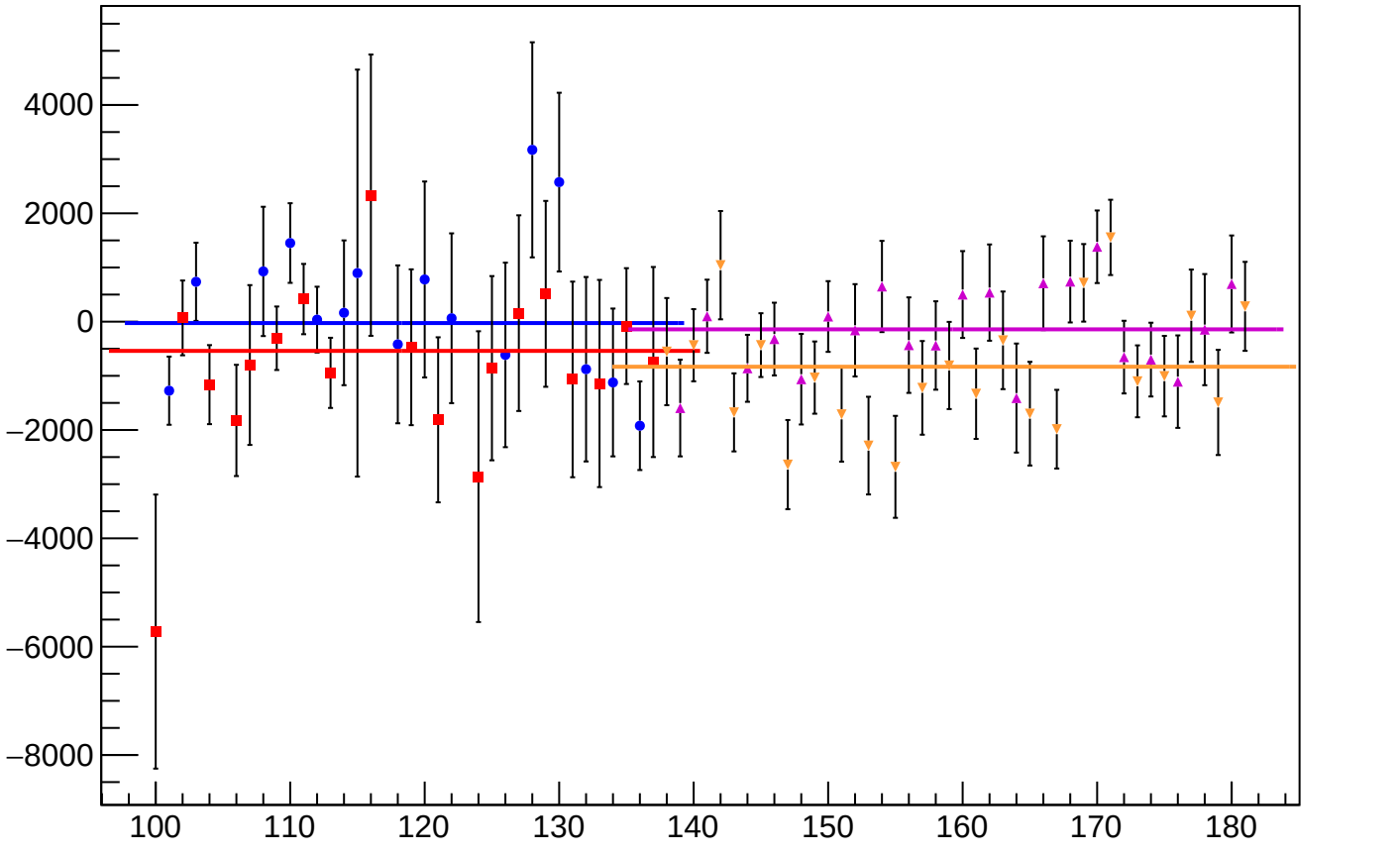
Right Out: 85.225+/-0.023 χ^2/NDF: 884073.3/18

Left In: 111.909+/-0.020 χ^2/NDF:866876.7/20

+ sign 103.238+/-0.015 χ^2/NDF: 2519756.4/38

All: 102.006+/-0.011 χ^2/NDF: 5063961.6/78

- sign 100.783+/-0.015 χ^2/NDF: 2530672.2/39



Right In: -25.770+/-259.401 χ^2/NDF: 21.6/15

Left Out: -832.318+/-164.288 χ^2/NDF:42.6/22

Right Out: -539.635+/-241.238 χ^2/NDF: 13.6/18

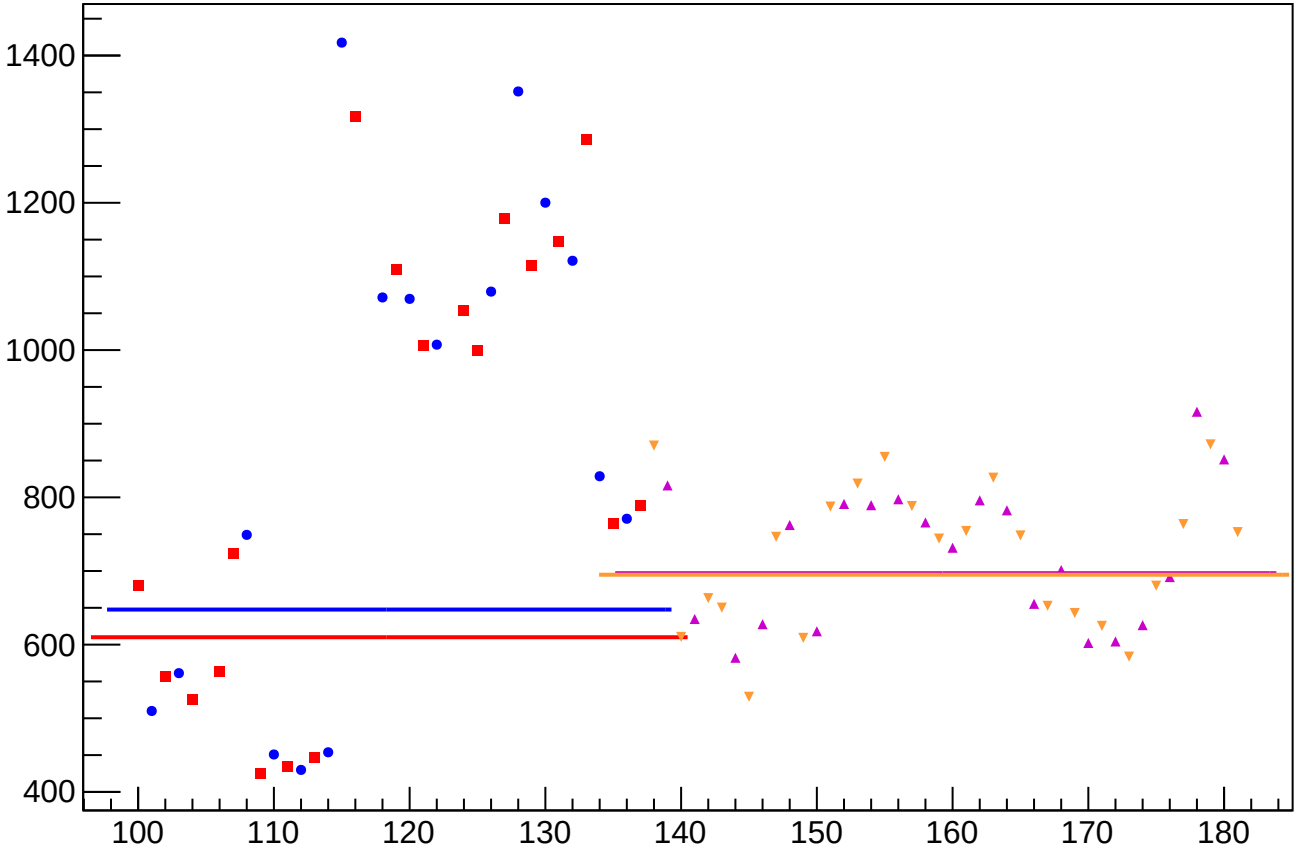
Left In: -141.972+/-169.732 χ^2/NDF:20.4/20

+ sign -601.417+/-138.794 χ^2/NDF: 71.0/38

All: -437.557+/-98.150 χ^2/NDF: 109.7/78

- sign -273.646+/-138.815 χ^2/NDF: 35.9/39

asym_sam_1548_avg_eigen_dit_correction_rms vs Slug



Right In: 647.640+/-0.183 χ^2/NDF: 1887820.6/15

Left Out: 694.944+/-0.116 χ^2/NDF:695615.7/22

Right Out: 610.060+/-0.171 χ^2/NDF: 2074251.1/18

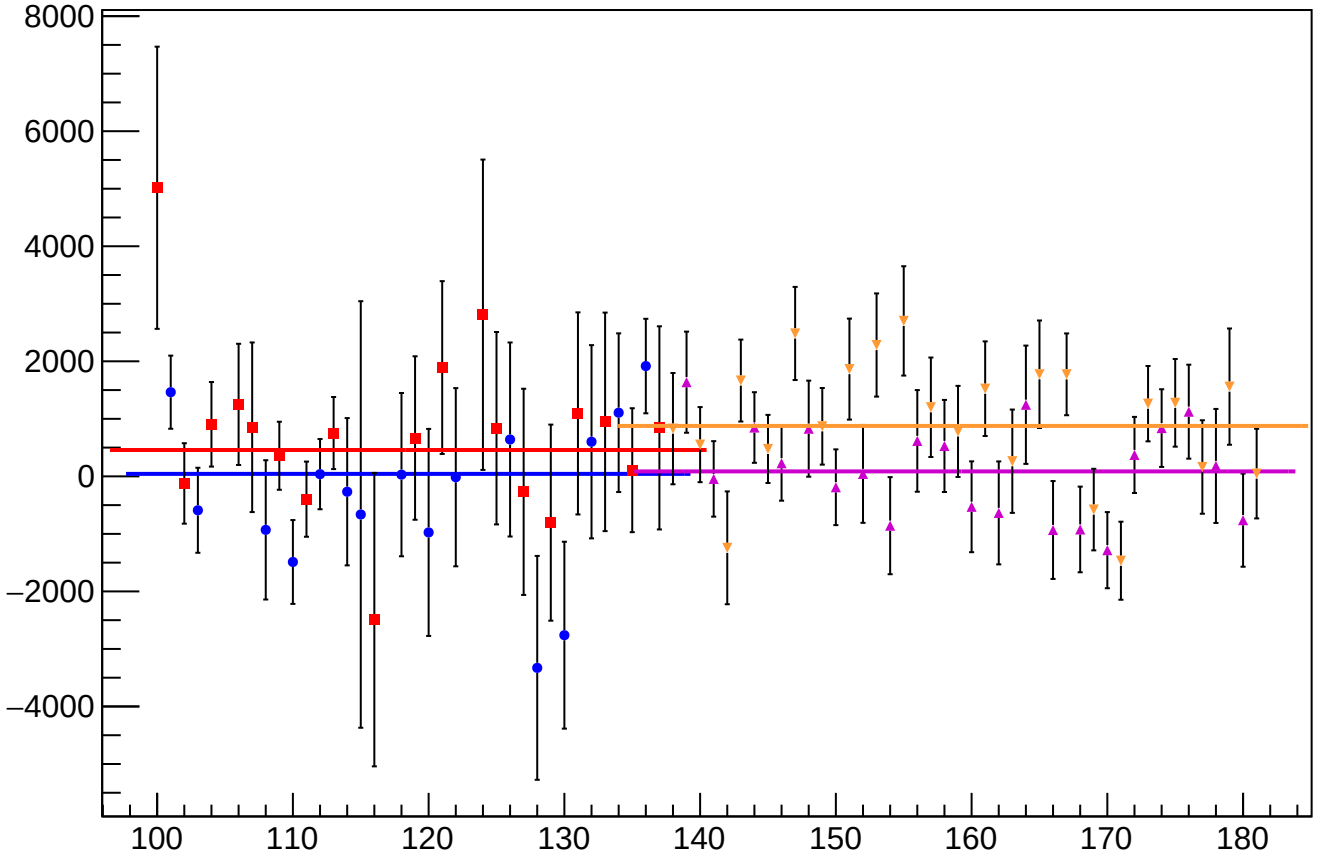
Left In: 697.050+/-0.120 χ^2/NDF:571260.7/20

+ sign 681.402+/-0.098 χ^2/NDF: 2630906.3/38

All: 674.825+/-0.069 χ^2/NDF: 5459353.8/78

- sign 668.246+/-0.098 χ^2/NDF: 2819464.4/39

asym_sam_1548_avg_mean vs Slug



Right In: 43.152+/-259.796 χ^2/NDF: 23.2/15

Left Out: 876.616+/-162.545 χ^2/NDF:40.8/22

Right Out: 458.111+/-241.118 χ^2/NDF: 11.3/18

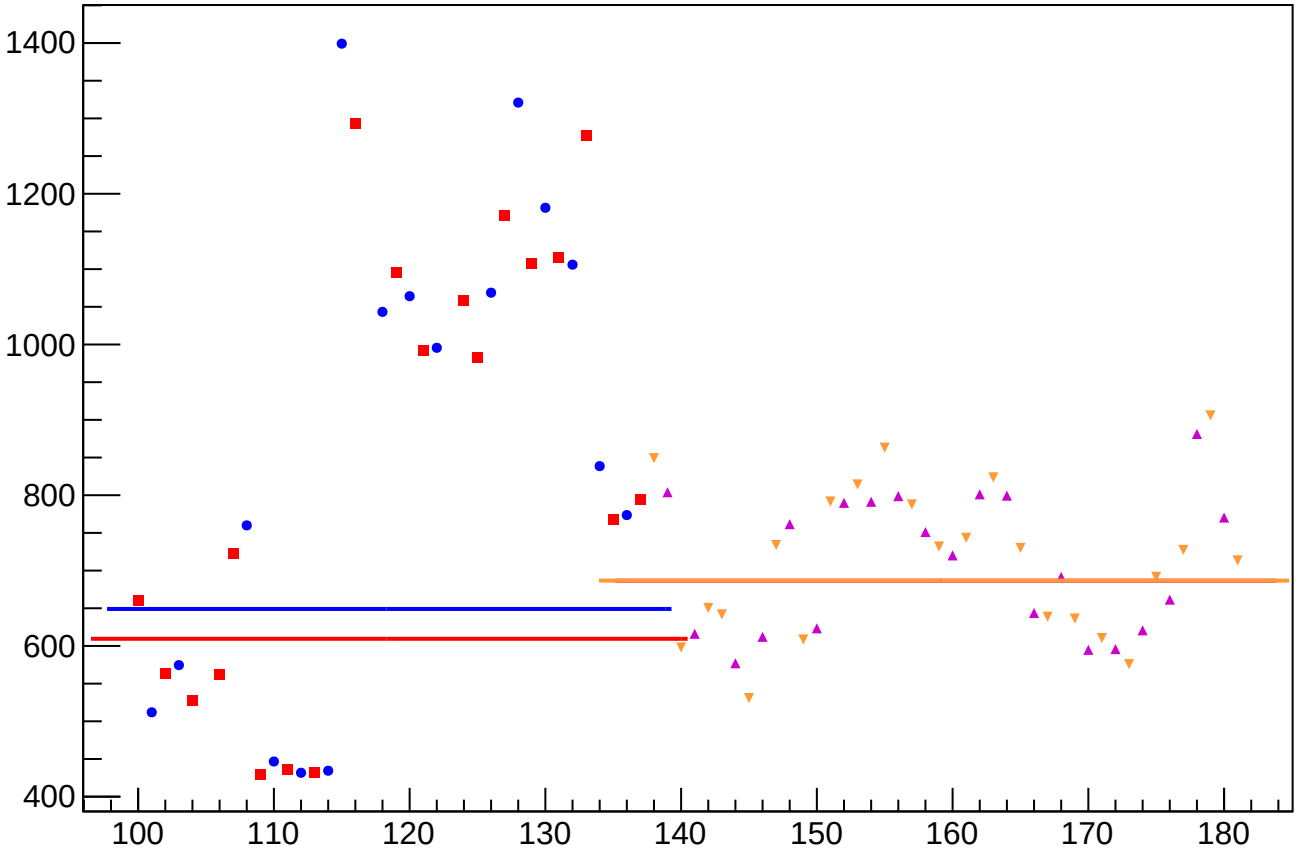
Left In: 86.223+/-167.156 χ^2/NDF:21.9/20

+ sign 642.139+/-137.797 χ^2/NDF: 71.5/38

All: 423.868+/-97.287 χ^2/NDF: 111.2/78

- sign 206.937+/-137.373 χ^2/NDF: 34.7/39

asym_sam_1548_avg_rms vs Slug



Right In: 649.091+/-0.184 χ^2/NDF: 1845815.6/15

Left Out: 686.735+/-0.115 χ^2/NDF:712795.6/22

Right Out: 609.516+/-0.170 χ^2/NDF: 2043591.1/18

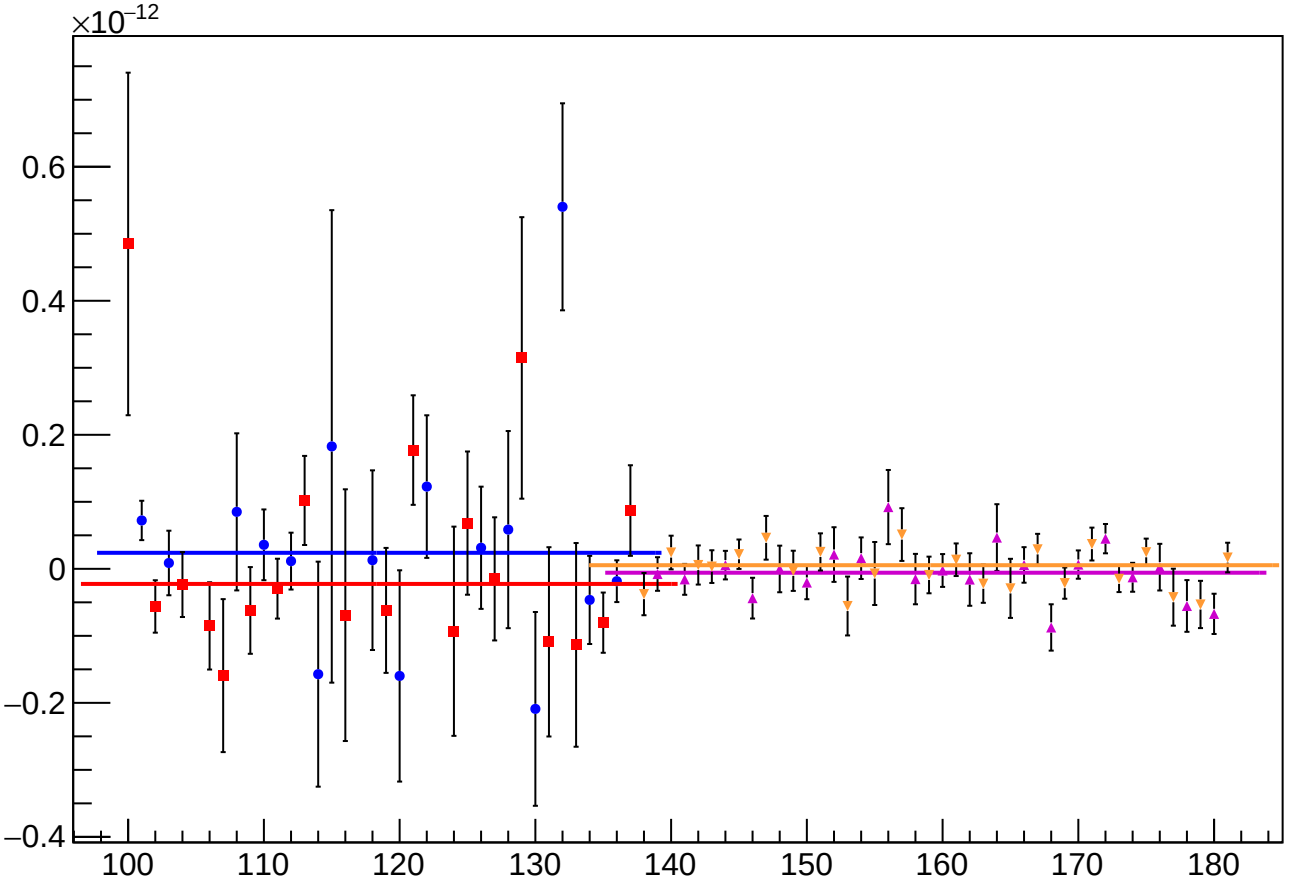
Left In: 686.548+/-0.118 χ^2/NDF:550030.2/20

+ sign 676.145+/-0.097 χ^2/NDF: 2588789.9/38

All: 668.822+/-0.069 χ^2/NDF: 5331545.6/78

- sign 661.544+/-0.097 χ^2/NDF: 2731493.9/39

asym_sam_1548_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:20.7/22

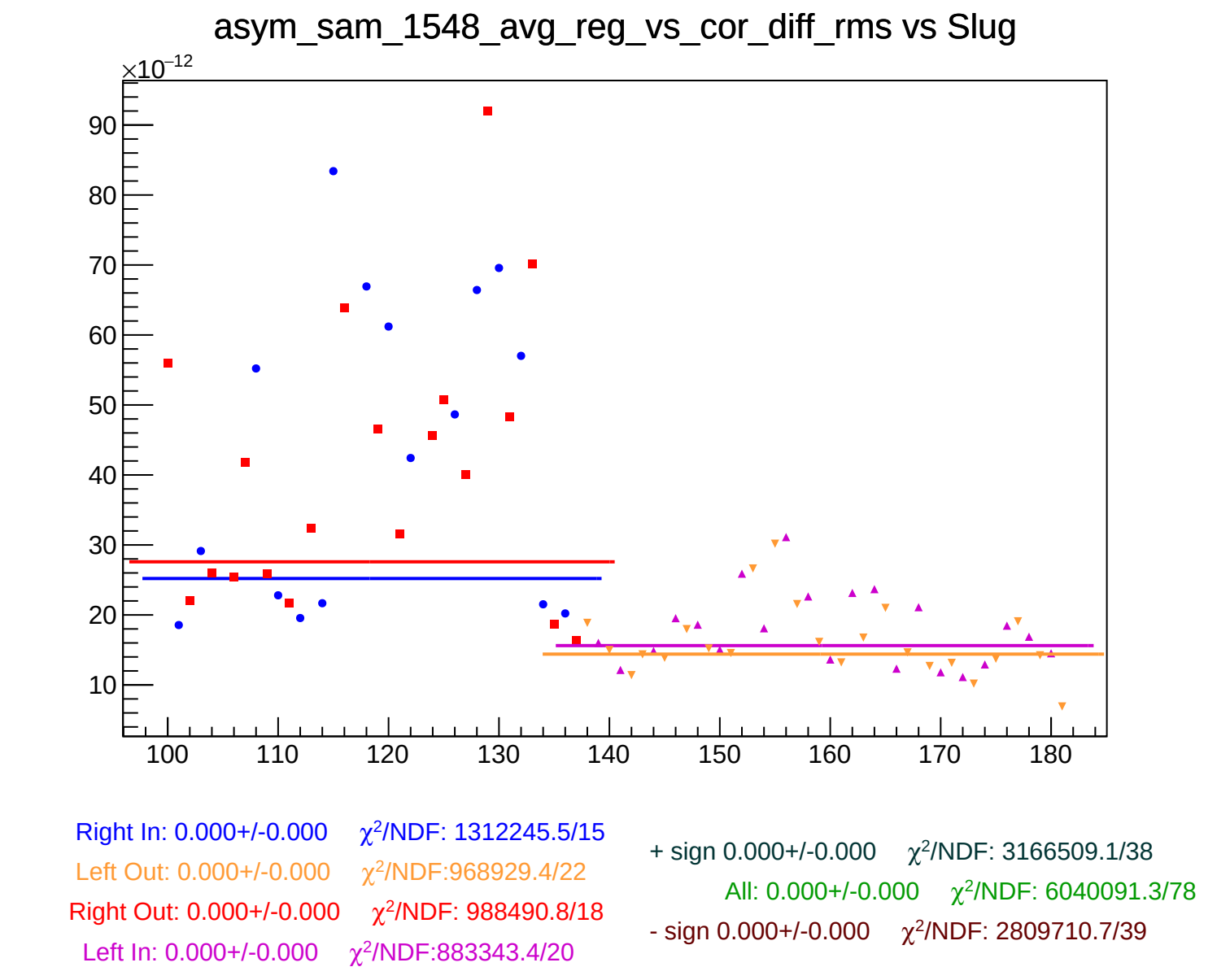
Right Out: -0.000+/-0.000 χ^2/NDF: 25.7/18

Left In: -0.000+/-0.000 χ^2/NDF:25.2/20

+ sign 0.000+/-0.000 χ^2/NDF: 45.7/38

All: 0.000+/-0.000 χ^2/NDF: 101.4/78

- sign -0.000+/-0.000 χ^2/NDF: 51.8/39


asym_sam_1548_avg_reg_vs_cor_diff_rms vs Slug
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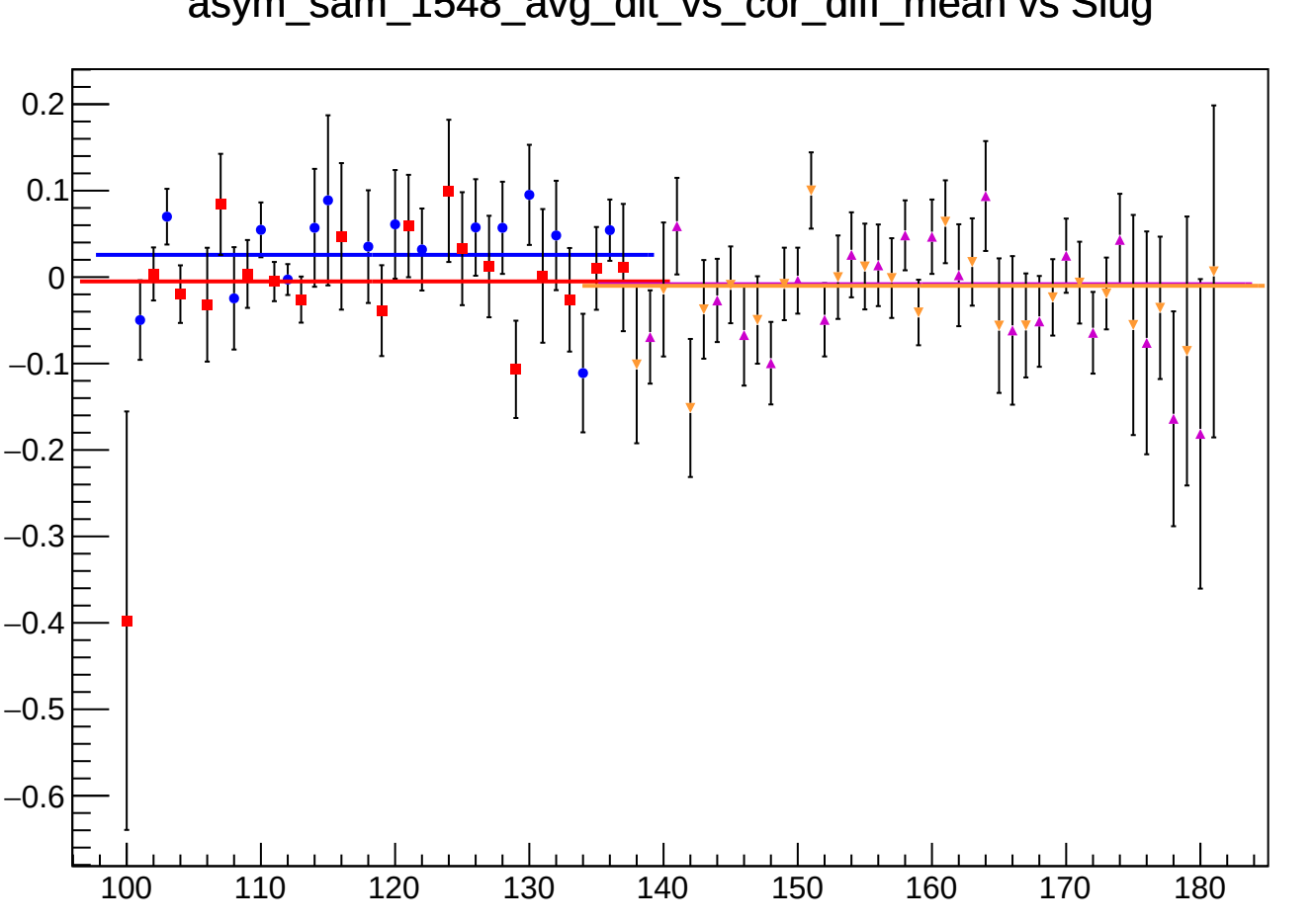
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1312245.5/15
Left Out: 0.000+/-0.000 χ²/NDF:968929.4/22
Right Out: 0.000+/-0.000 χ²/NDF: 988490.8/18
Left In: 0.000+/-0.000 χ²/NDF:883343.4/20
+ sign 0.000+/-0.000 χ²/NDF: 3166509.1/38
All: 0.000+/-0.000 χ²/NDF: 6040091.3/78
- sign 0.000+/-0.000 χ²/NDF: 2809710.7/39



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.010+/-0.011 χ^2/NDF:16.4/22

Right Out: -0.005+/-0.010 χ^2/NDF: 13.6/18

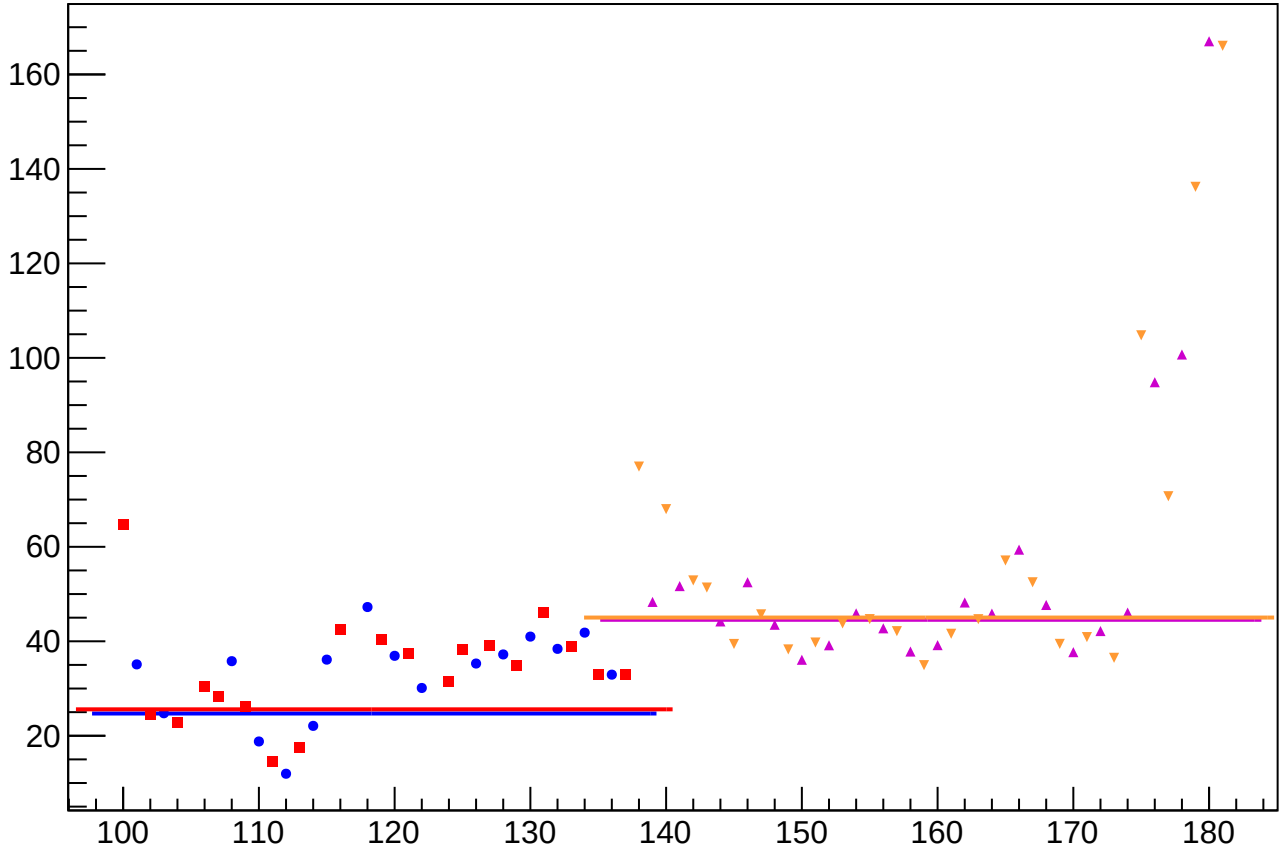
Left In: -0.008+/-0.011 χ^2/NDF:22.2/20

+ sign 0.009+/-0.008 χ^2/NDF: 38.3/38

All: 0.002+/-0.005 χ^2/NDF: 76.3/78

- sign -0.006+/-0.008 χ^2/NDF: 35.8/39

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: 45.025+/-0.008 χ^2/NDF:3065531.0/22

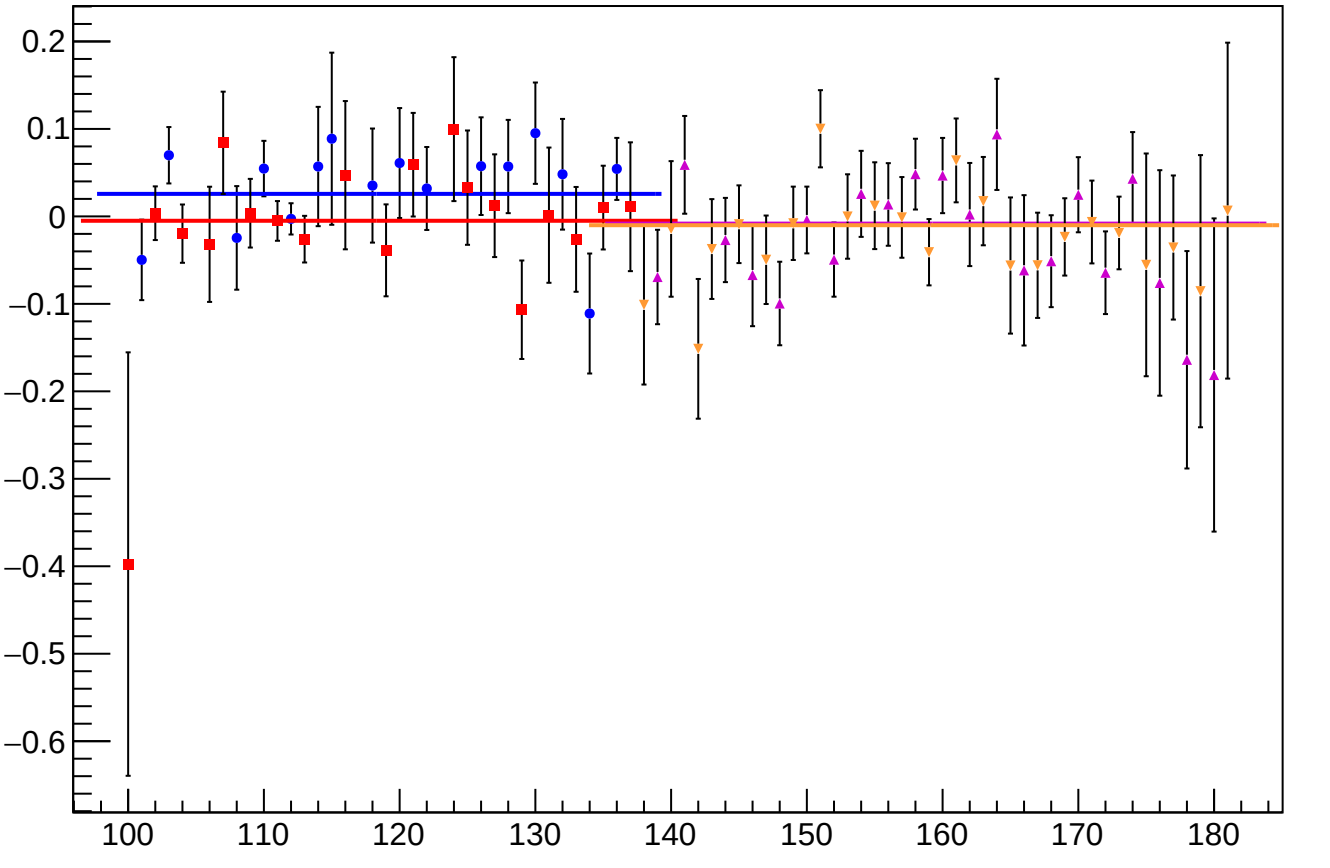
Right Out: 25.597+/-0.007 χ^2/NDF: 1605235.8/18

Left In: 44.552+/-0.008 χ^2/NDF:2083357.0/20

+ sign 33.976+/-0.005 χ^2/NDF: 8869236.9/38

All: 34.042+/-0.004 χ^2/NDF: 15571828.8/78

- sign 34.110+/-0.005 χ^2/NDF: 6702284.1/39



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.010+/-0.011 χ^2/NDF:16.4/22

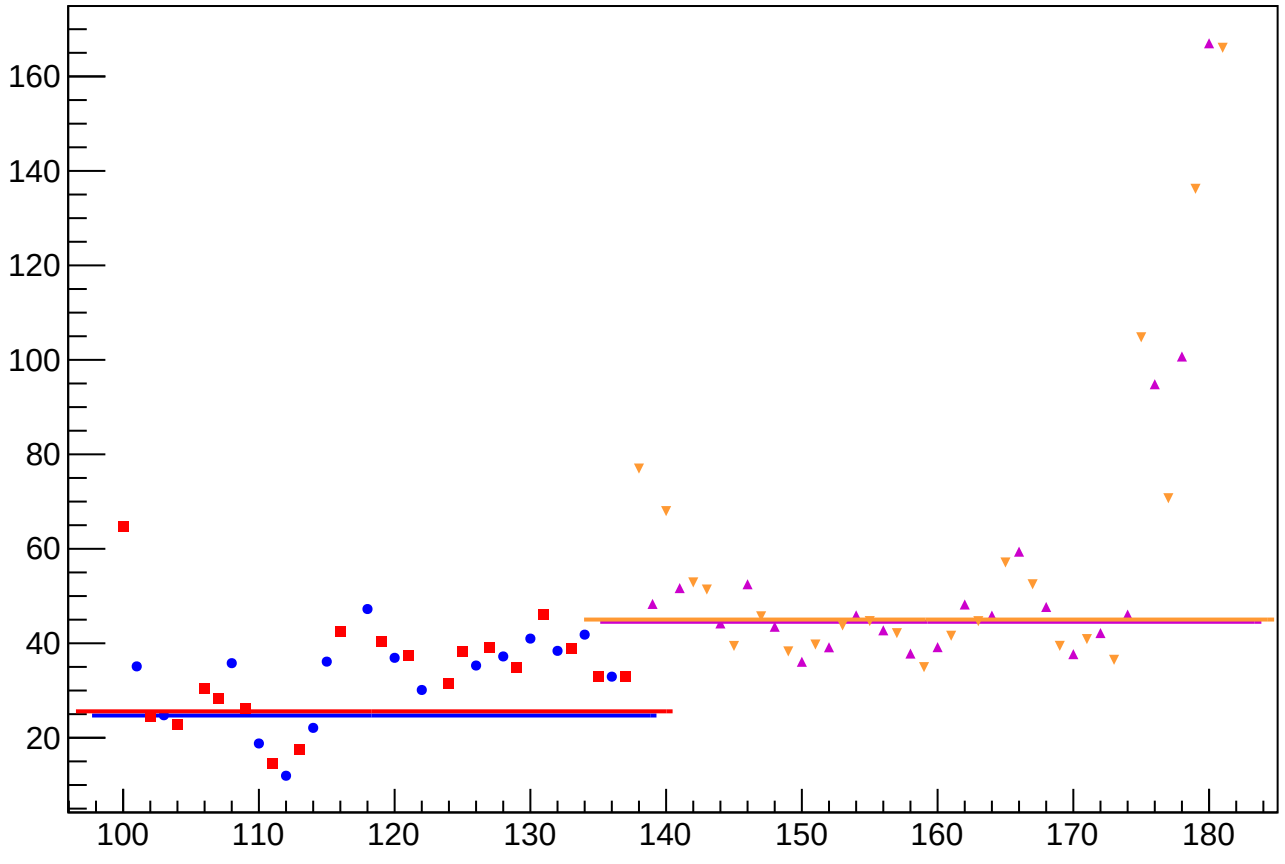
Right Out: -0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: -0.008+/-0.011 χ^2/NDF:22.2/20

+ sign 0.009+/-0.008 χ^2/NDF: 38.3/38

All: 0.002+/-0.005 χ^2/NDF: 76.3/78

- sign -0.006+/-0.008 χ^2/NDF: 35.8/39



Right In: 24.712+/-0.007 χ^2/NDF: 2295174.7/15

Left Out: 45.025+/-0.008 χ^2/NDF:3065531.0/22

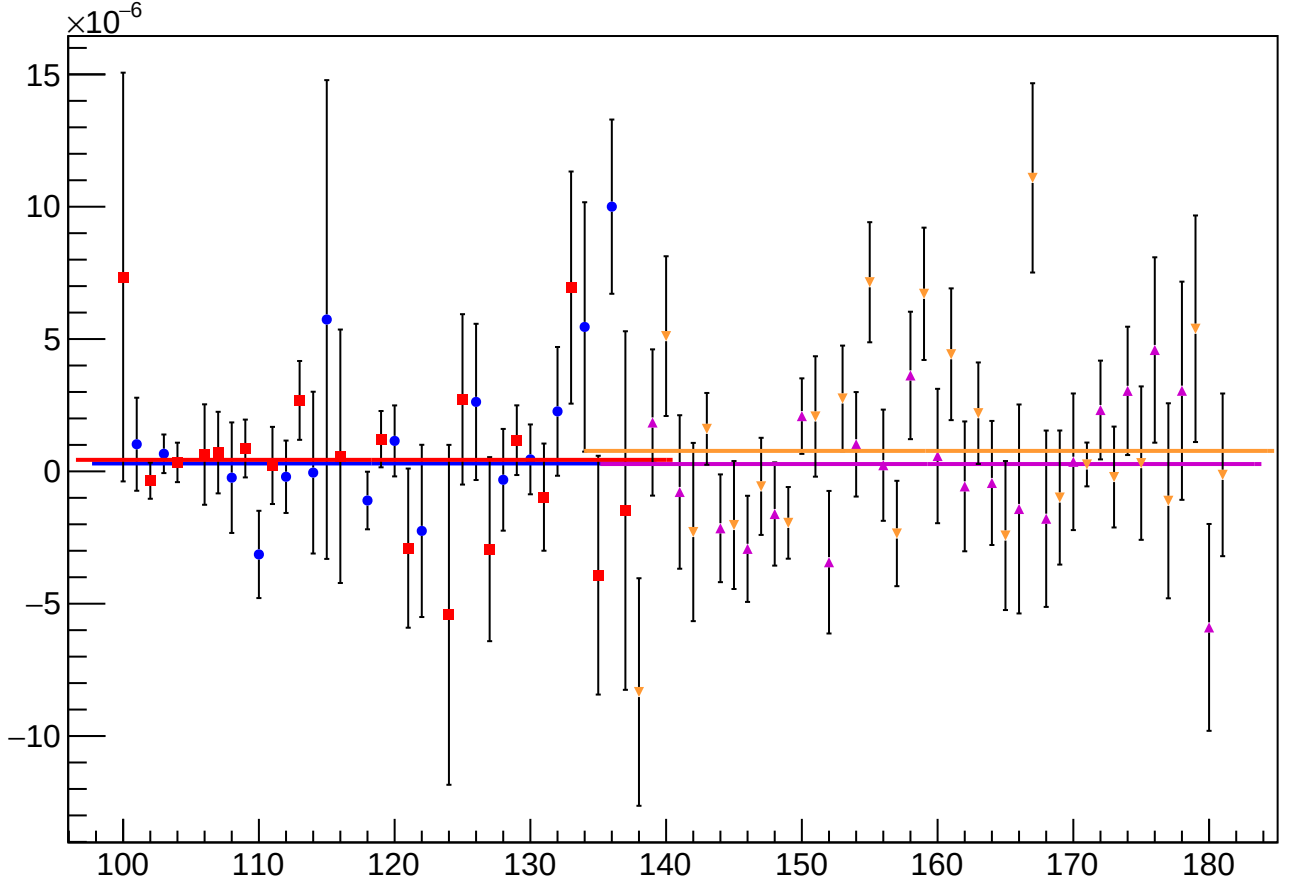
Right Out: 25.597+/-0.007 χ^2/NDF: 1605235.8/18

Left In: 44.552+/-0.008 χ^2/NDF:2083357.0/20

+ sign 33.976+/-0.005 χ^2/NDF: 8869236.9/38

All: 34.042+/-0.004 χ^2/NDF: 15571828.8/78

- sign 34.110+/-0.005 χ^2/NDF: 6702284.1/39



Right In: 0.000+/-0.000 χ^2/NDF: 19.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:45.9/22

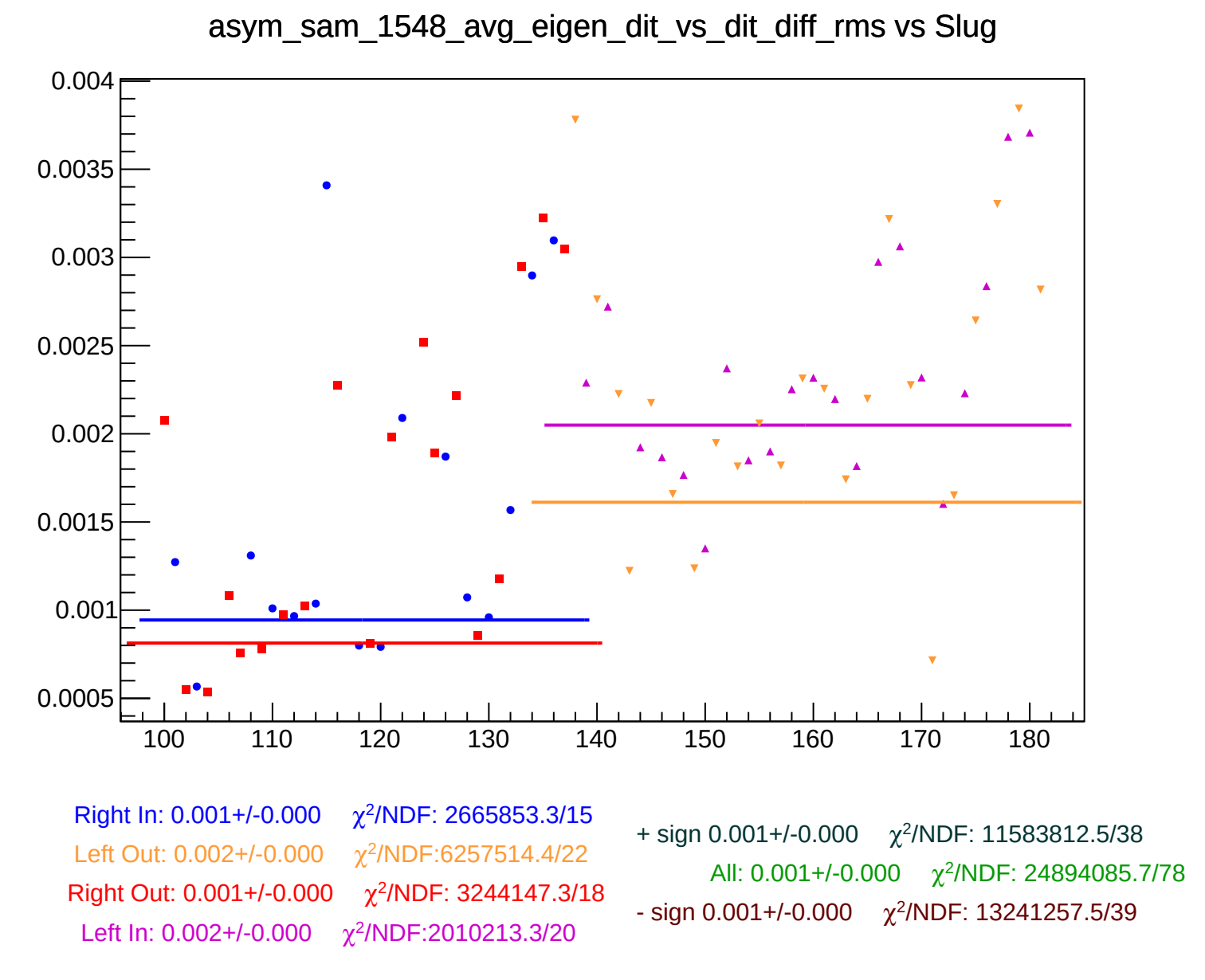
Right Out: 0.000+/-0.000 χ^2/NDF: 12.7/18

Left In: 0.000+/-0.000 χ^2/NDF:18.7/20

+ sign 0.000+/-0.000 χ^2/NDF: 65.9/38

All: 0.000+/-0.000 χ^2/NDF: 97.5/78

- sign 0.000+/-0.000 χ^2/NDF: 31.5/39


asym_sam_1548_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.004
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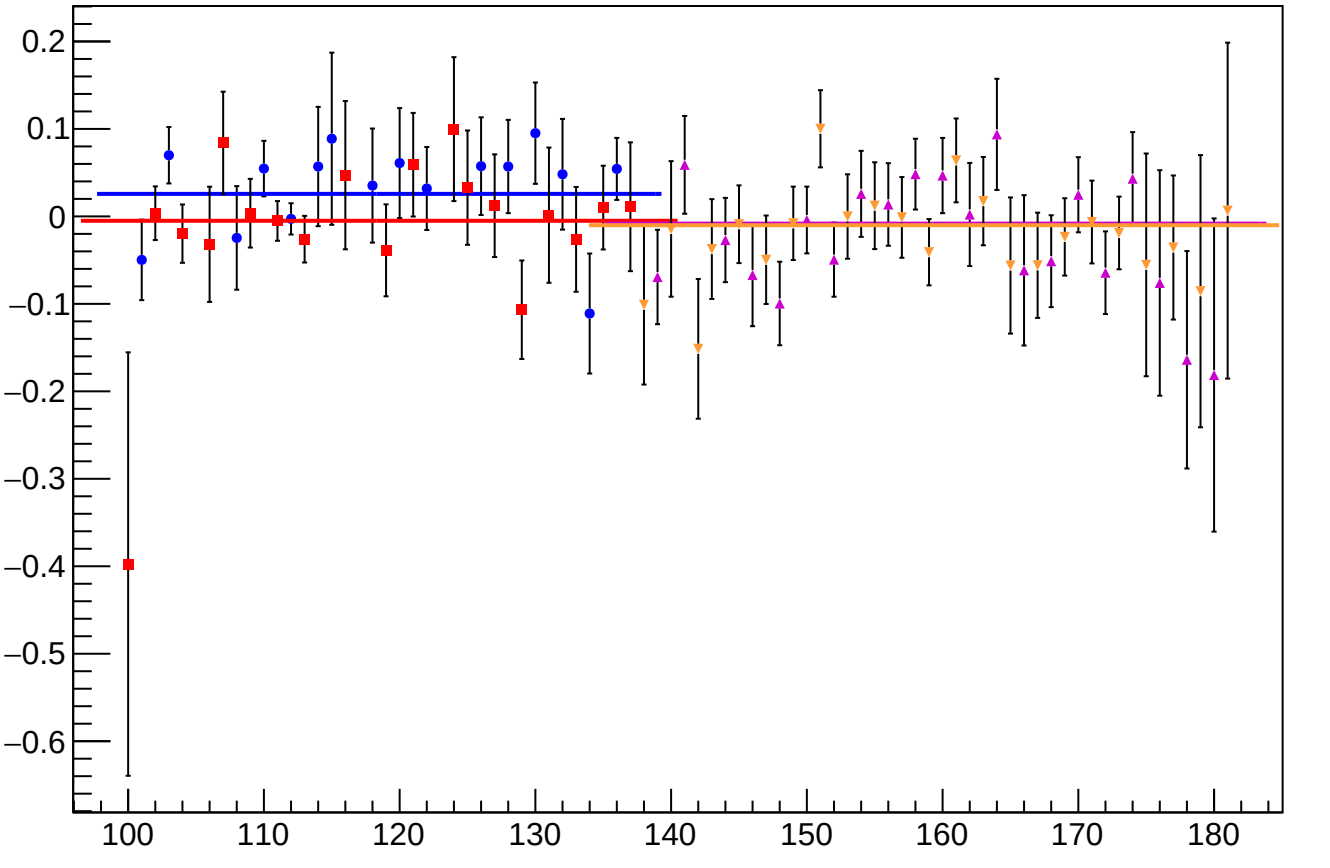
Right In: 0.001+/-0.000 χ²/NDF: 2665853.3/15
Left Out: 0.002+/-0.000 χ²/NDF:6257514.4/22
Right Out: 0.001+/-0.000 χ²/NDF: 3244147.3/18
Left In: 0.002+/-0.000 χ²/NDF:2010213.3/20
+ sign 0.001+/-0.000 χ²/NDF: 11583812.5/38
All: 0.001+/-0.000 χ²/NDF: 24894085.7/78
- sign 0.001+/-0.000 χ²/NDF: 13241257.5/39



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.010+/-0.011 χ^2/NDF:16.4/22

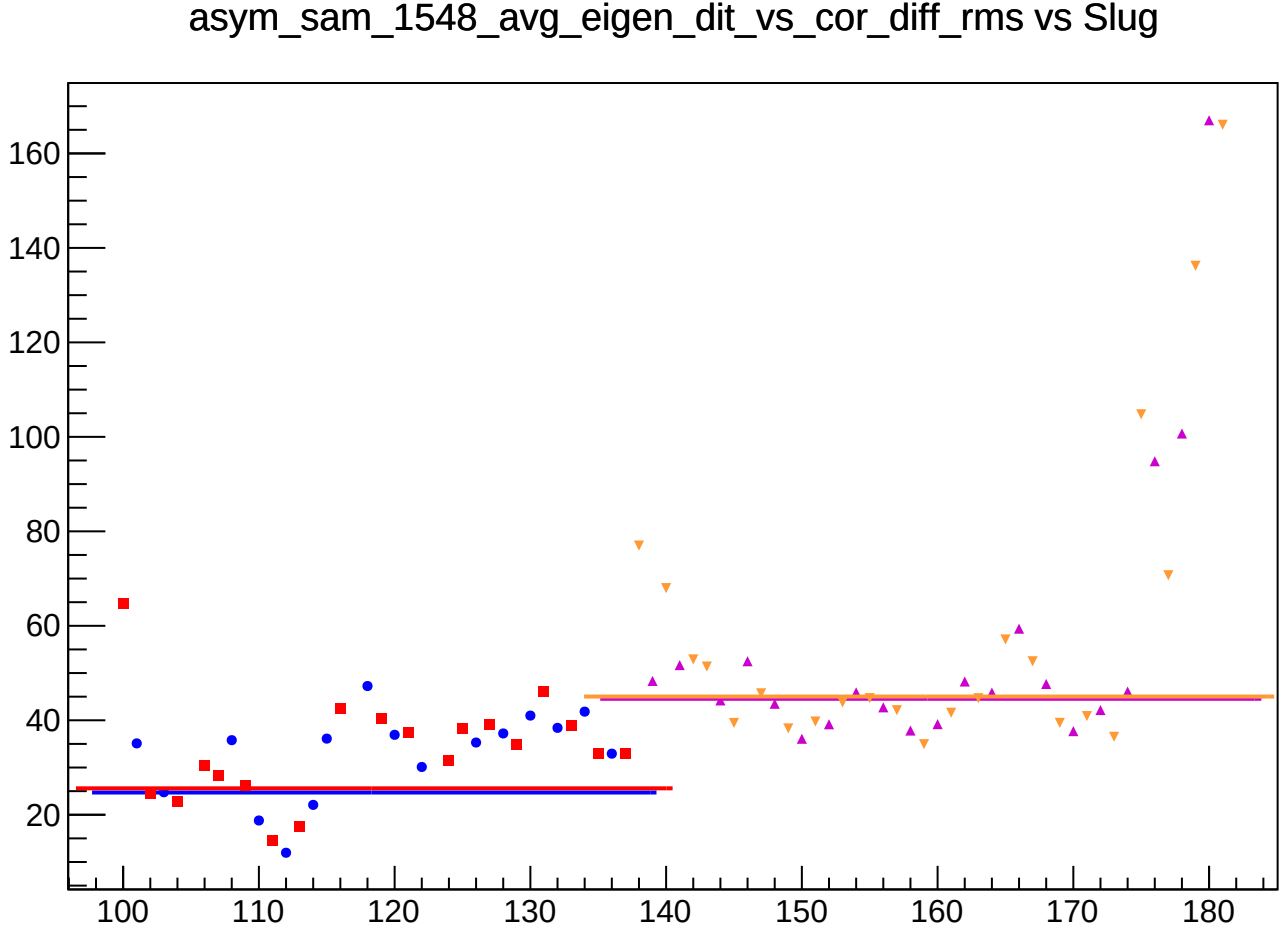
Right Out: -0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: -0.008+/-0.011 χ^2/NDF:22.2/20

+ sign 0.009+/-0.008 χ^2/NDF: 38.3/38

All: 0.002+/-0.005 χ^2/NDF: 76.3/78

- sign -0.006+/-0.008 χ^2/NDF: 35.8/39



Right In: 24.712+/-0.007 χ^2/NDF: 2295351.2/15

Left Out: 45.026+/-0.008 χ^2/NDF:3065464.4/22

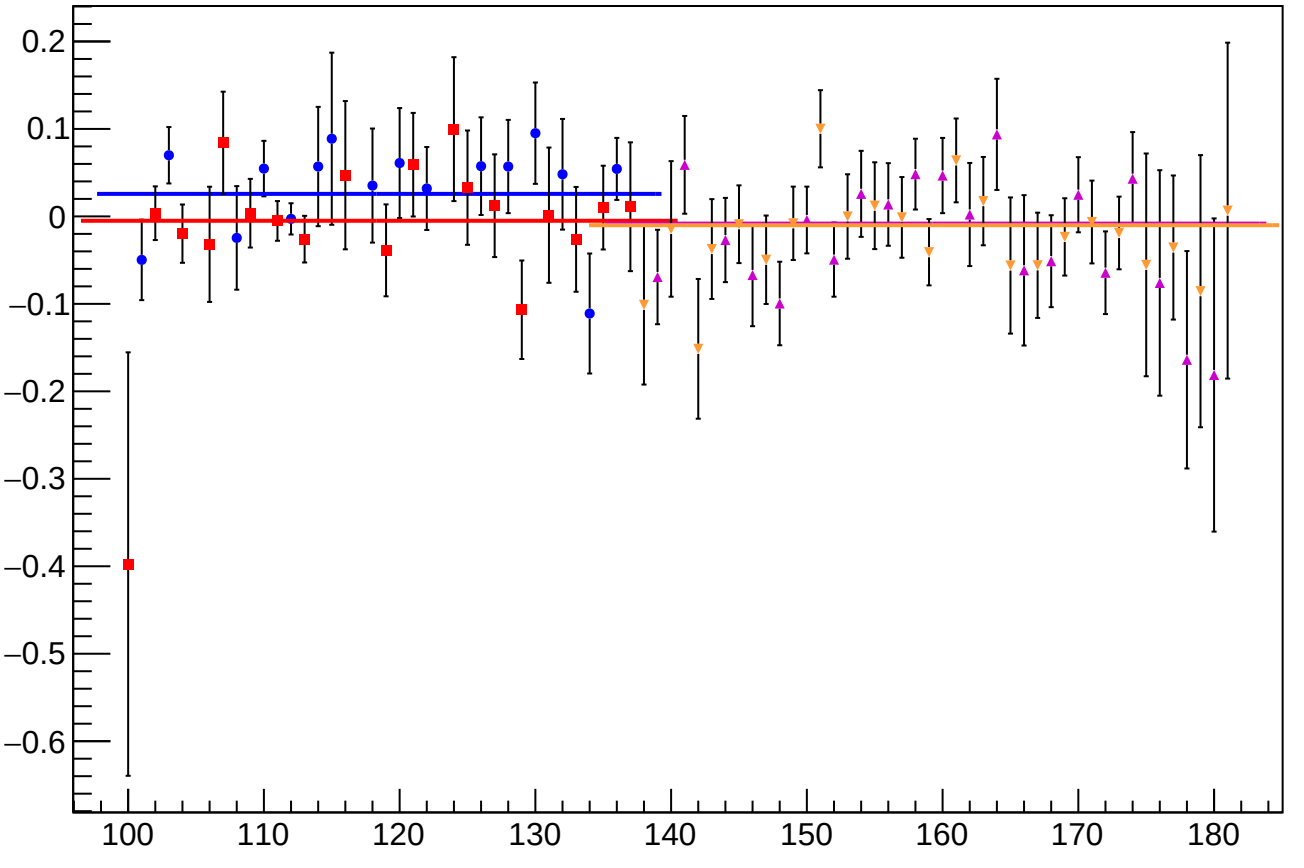
Right Out: 25.597+/-0.007 χ^2/NDF: 1605387.3/18

Left In: 44.553+/-0.008 χ^2/NDF:2083280.1/20

+ sign 33.975+/-0.005 χ^2/NDF: 8869691.2/38

All: 34.042+/-0.004 χ^2/NDF: 15572624.8/78

- sign 34.110+/-0.005 χ^2/NDF: 6702625.2/39



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.010+/-0.011 χ^2/NDF:16.4/22

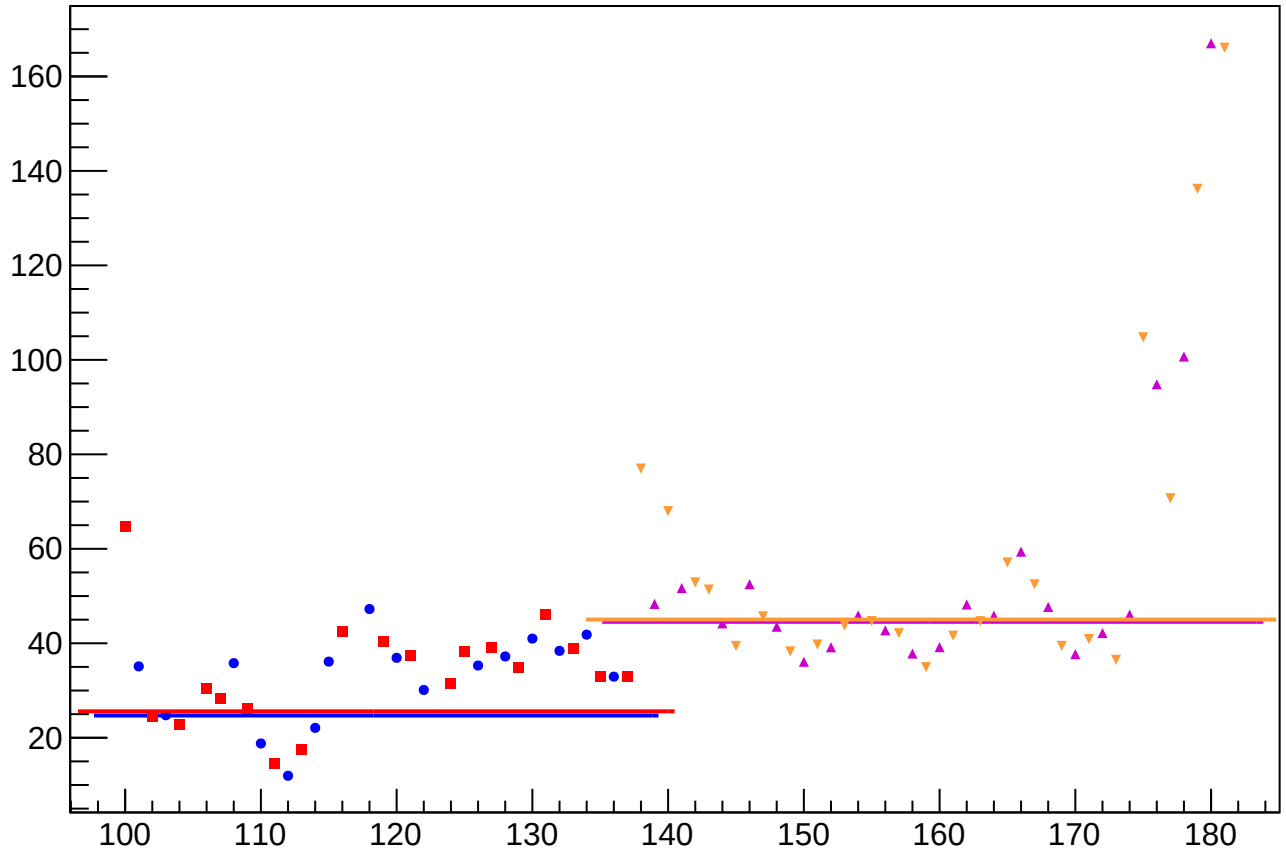
Right Out: -0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: -0.008+/-0.011 χ^2/NDF:22.2/20

+ sign 0.009+/-0.008 χ^2/NDF: 38.3/38

All: 0.002+/-0.005 χ^2/NDF: 76.3/78

- sign -0.006+/-0.008 χ^2/NDF: 35.8/39



Right In: 24.712+/-0.007 χ^2/NDF: 2295351.2/15

Left Out: 45.026+/-0.008 χ^2/NDF:3065464.4/22

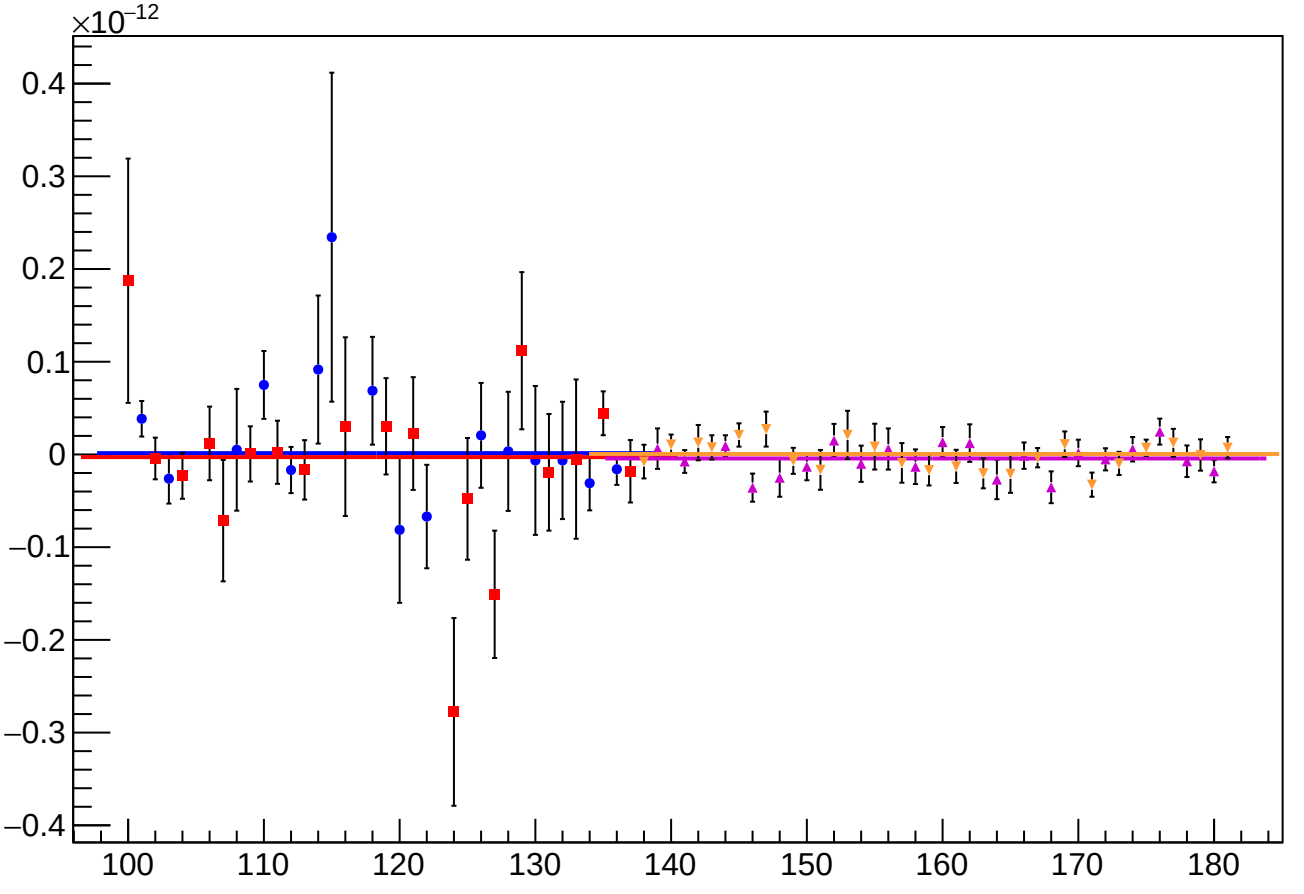
Right Out: 25.597+/-0.007 χ^2/NDF: 1605387.3/18

Left In: 44.553+/-0.008 χ^2/NDF:2083280.1/20

+ sign 33.975+/-0.005 χ^2/NDF: 8869691.2/38

All: 34.042+/-0.004 χ^2/NDF: 15572624.8/78

- sign 34.110+/-0.005 χ^2/NDF: 6702625.2/39



Right In: 0.000+/-0.000 χ^2/NDF: 18.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:22.1/22

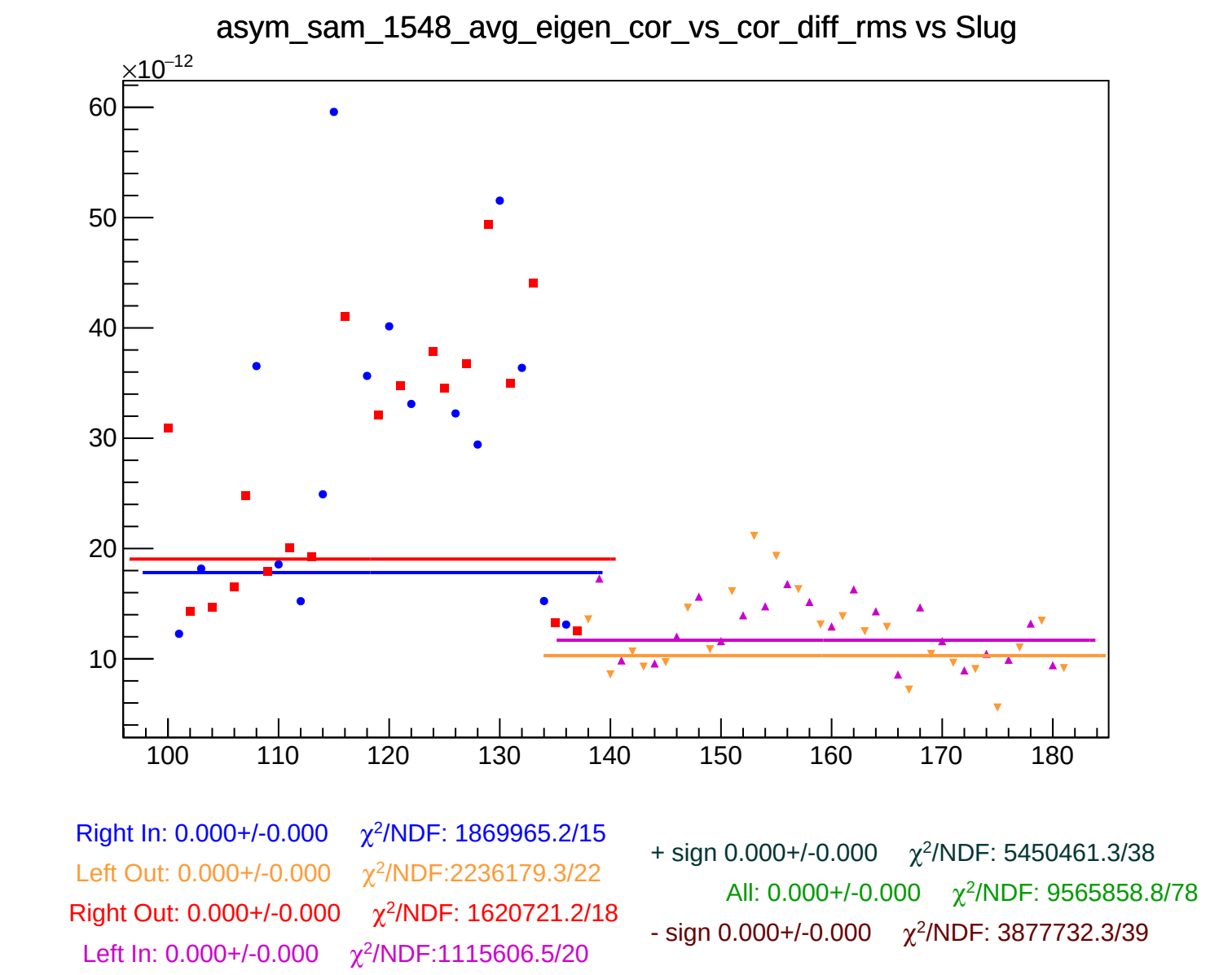
Right Out: -0.000+/-0.000 χ^2/NDF: 23.5/18

Left In: -0.000+/-0.000 χ^2/NDF:21.7/20

+ sign 0.000+/-0.000 χ^2/NDF: 40.9/38

All: -0.000+/-0.000 χ^2/NDF: 87.3/78

- sign -0.000+/-0.000 χ^2/NDF: 45.2/39


asym_sam_1548_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
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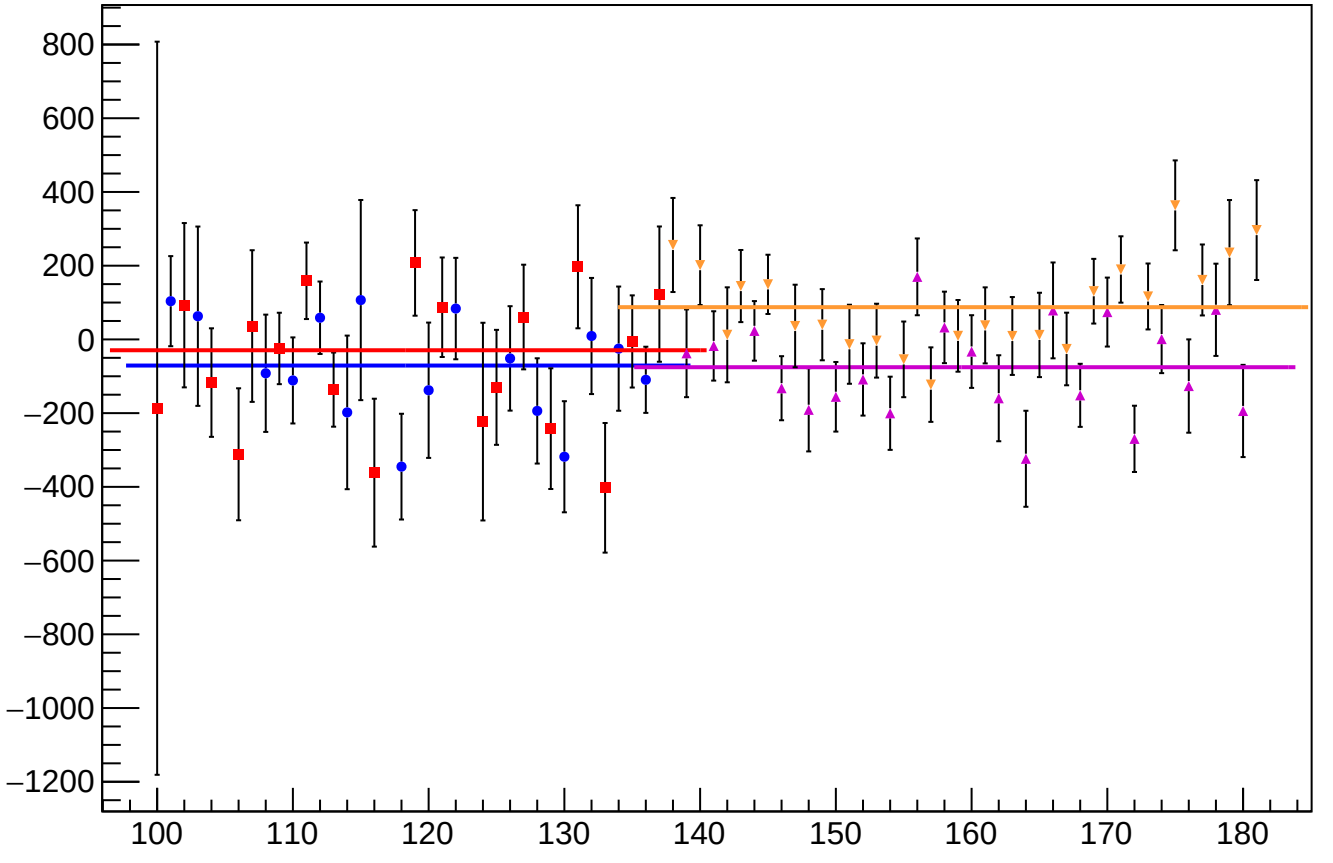
Right In: 0.000+/-0.000 χ²/NDF: 1869965.2/15
Left Out: 0.000+/-0.000 χ²/NDF:2236179.3/22
Right Out: 0.000+/-0.000 χ²/NDF: 1620721.2/18
Left In: 0.000+/-0.000 χ²/NDF:1115606.5/20
+ sign 0.000+/-0.000 χ²/NDF: 5450461.3/38
All: 0.000+/-0.000 χ²/NDF: 9565858.8/78
- sign 0.000+/-0.000 χ²/NDF: 3877732.3/39

reg_asym_sam_3748_avg_mean vs Slug



Right In: -70.892+/-35.122 χ^2/NDF: 14.1/15

Left Out: 87.440+/-21.522 χ^2/NDF:26.5/22

Right Out: -29.410+/-34.243 χ^2/NDF: 24.0/18

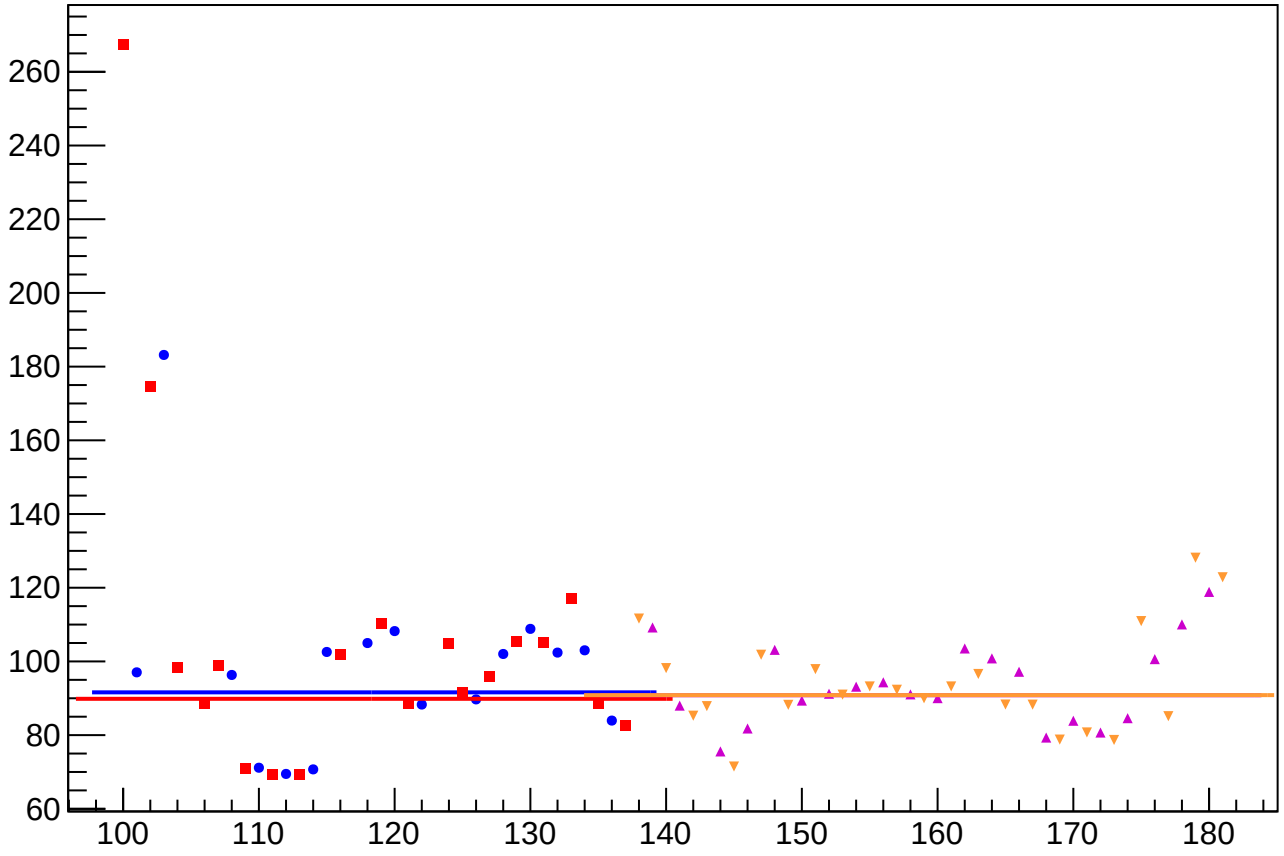
Left In: -75.407+/-22.139 χ^2/NDF:29.7/20

+ sign 44.219+/-18.350 χ^2/NDF: 55.3/38

All: -8.123+/-13.060 χ^2/NDF: 126.8/78

- sign -61.849+/-18.591 χ^2/NDF: 55.0/39

reg_asym_sam_3748_avg_rms vs Slug



Right In: 91.608+/-0.025 χ^2/NDF: 580672.8/15

Left Out: 90.851+/-0.015 χ^2/NDF:634066.9/22

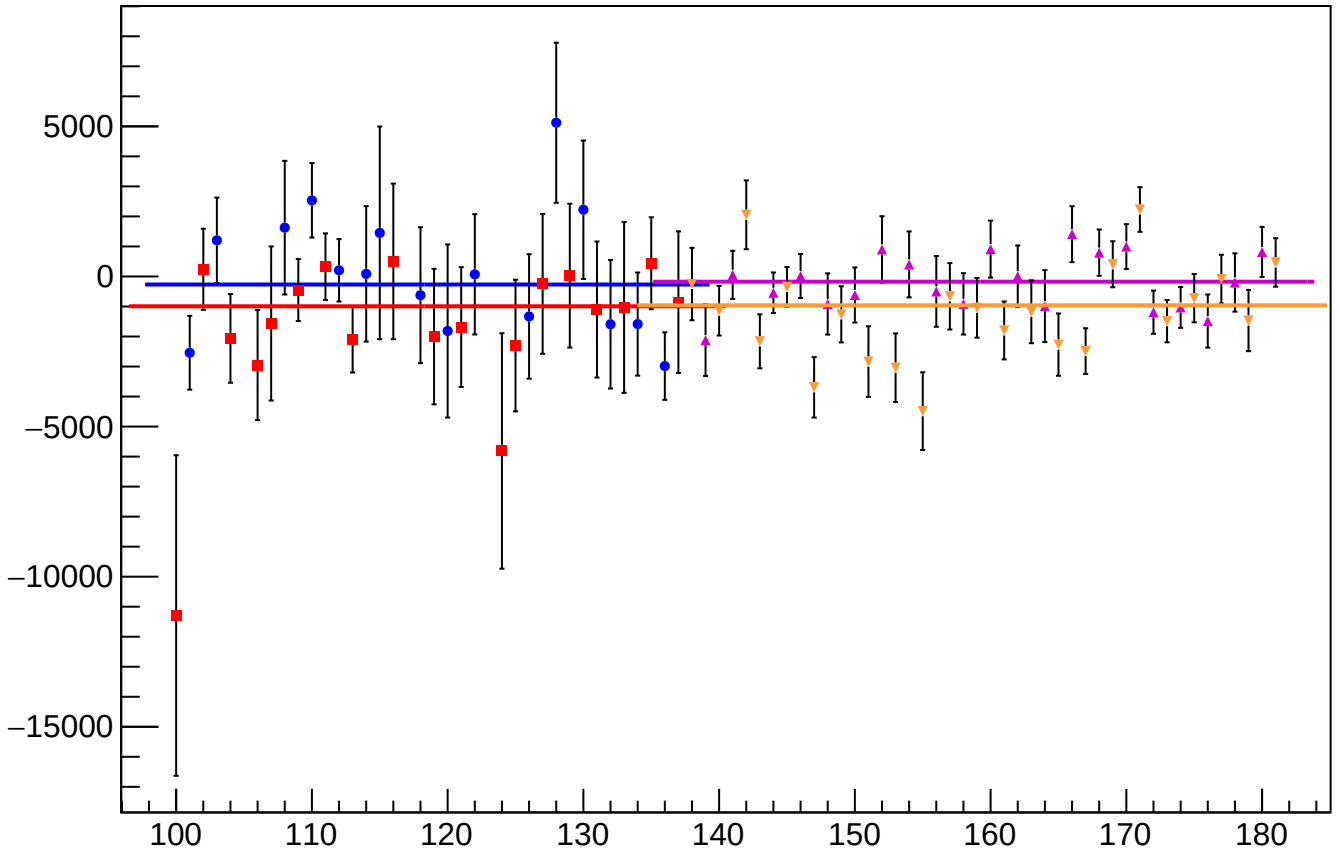
Right Out: 89.854+/-0.024 χ^2/NDF: 746289.1/18

Left In: 90.819+/-0.016 χ^2/NDF:451512.3/20

+ sign 91.058+/-0.013 χ^2/NDF: 1215414.9/38

All: 90.800+/-0.009 χ^2/NDF: 2415137.1/78

- sign 90.534+/-0.013 χ^2/NDF: 1198919.8/39



Right In: -268.485+/-419.578 χ^2/NDF: 23.4/15

Left Out: -960.905+/-188.276 χ^2/NDF:64.0/22

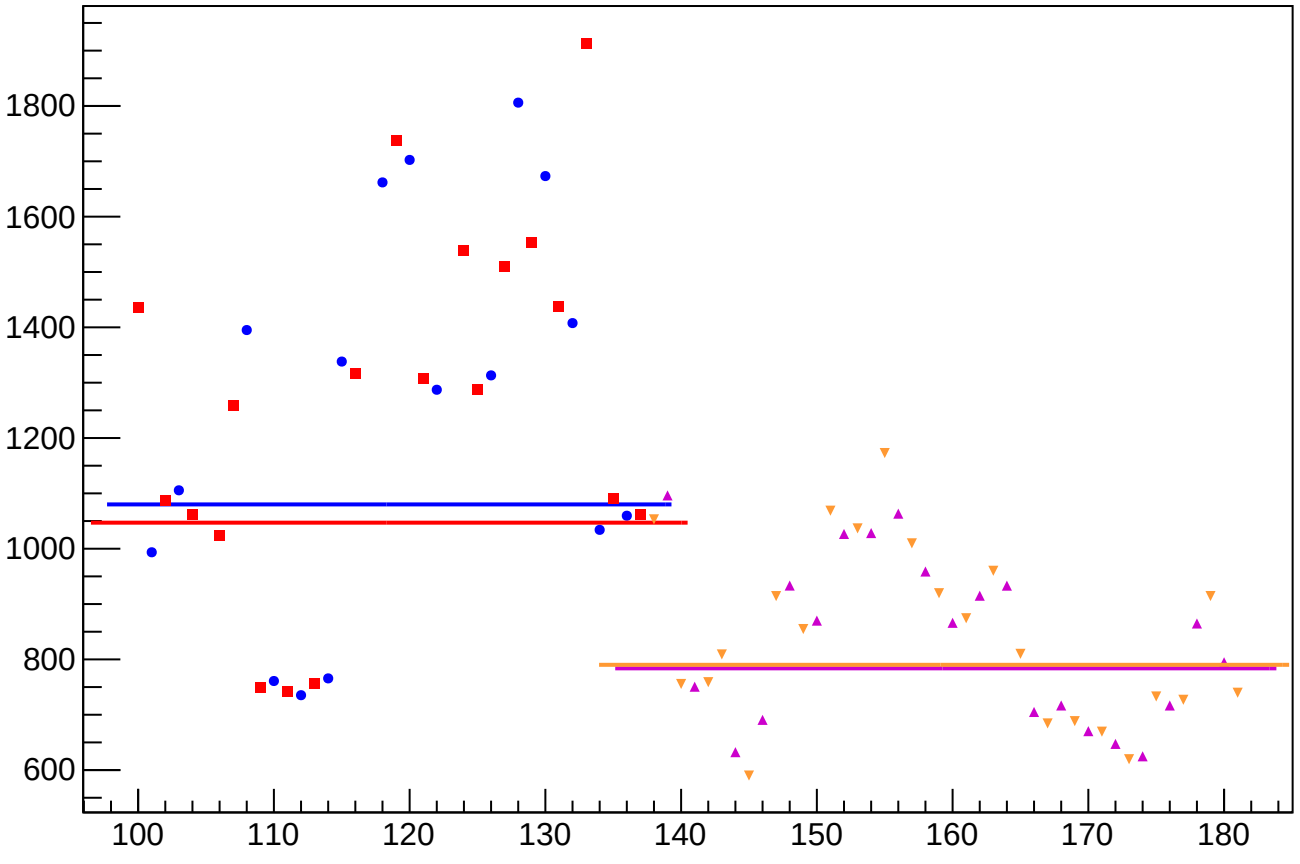
Right Out: -992.670+/-400.824 χ^2/NDF: 12.7/18

Left In: -174.367+/-192.314 χ^2/NDF:21.6/20

+ sign -844.850+/-171.774 χ^2/NDF: 89.7/38

All: -588.592+/-122.030 χ^2/NDF: 131.8/78

- sign -327.493+/-173.389 χ^2/NDF: 37.6/39



Right In: 1080.045+/-0.297 χ^2/NDF: 1053468.5/15

Left Out: 790.218+/-0.133 χ^2/NDF:1189999.8/22

Right Out: 1047.068+/-0.283 χ^2/NDF: 1198646.2/18

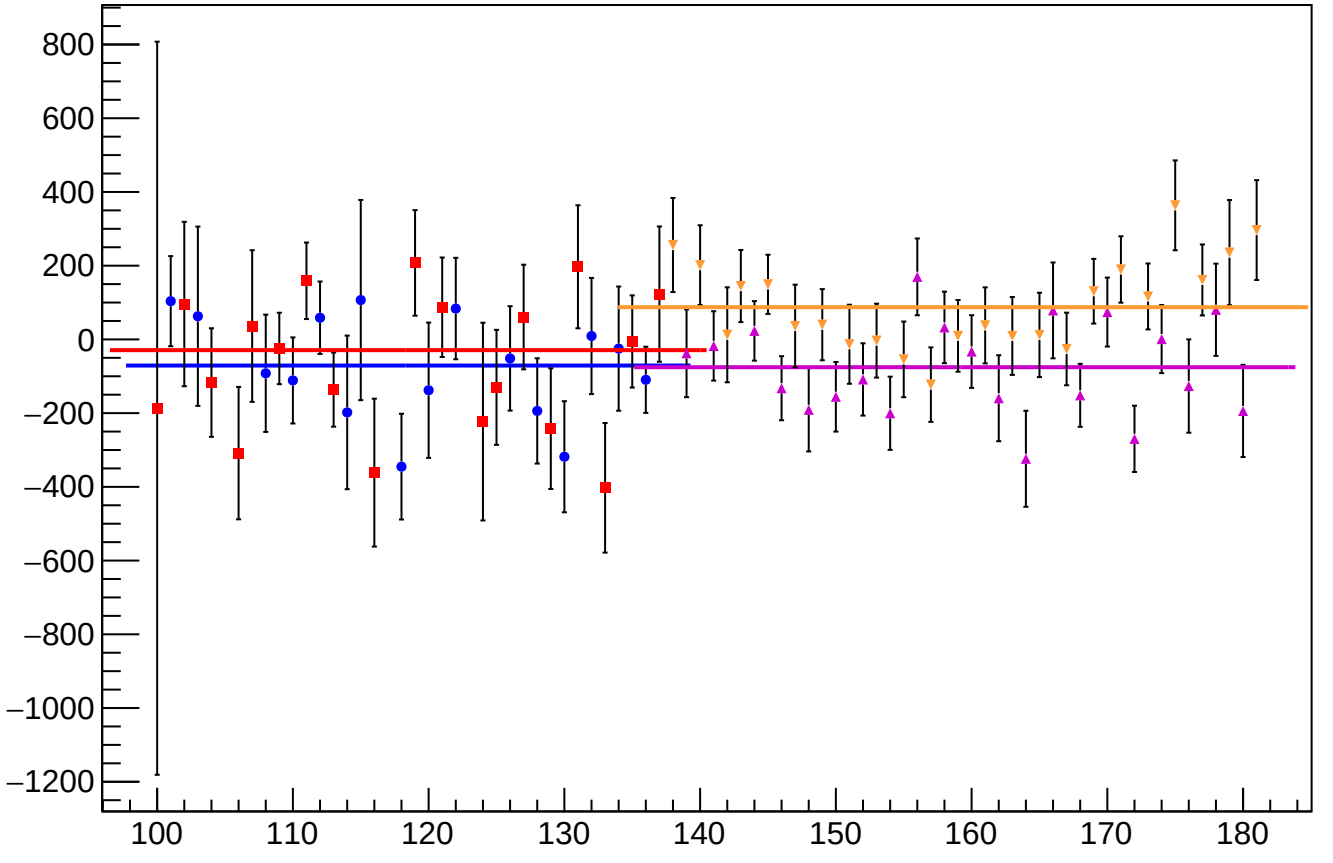
Left In: 783.821+/-0.136 χ^2/NDF:1062098.2/20

\+ sign 838.795+/-0.121 χ^2/NDF: 3037819.8/38

All: 835.965+/-0.086 χ^2/NDF: 6000907.9/78

\- sign 833.081+/-0.123 χ^2/NDF: 2961992.1/39

cor_asym_sam_3748_avg_mean vs Slug



Right In: -70.903+/-35.122 χ^2/NDF: 14.1/15

Left Out: 87.445+/-21.522 χ^2/NDF:26.5/22

Right Out: -29.159+/-34.247 χ^2/NDF: 24.0/18

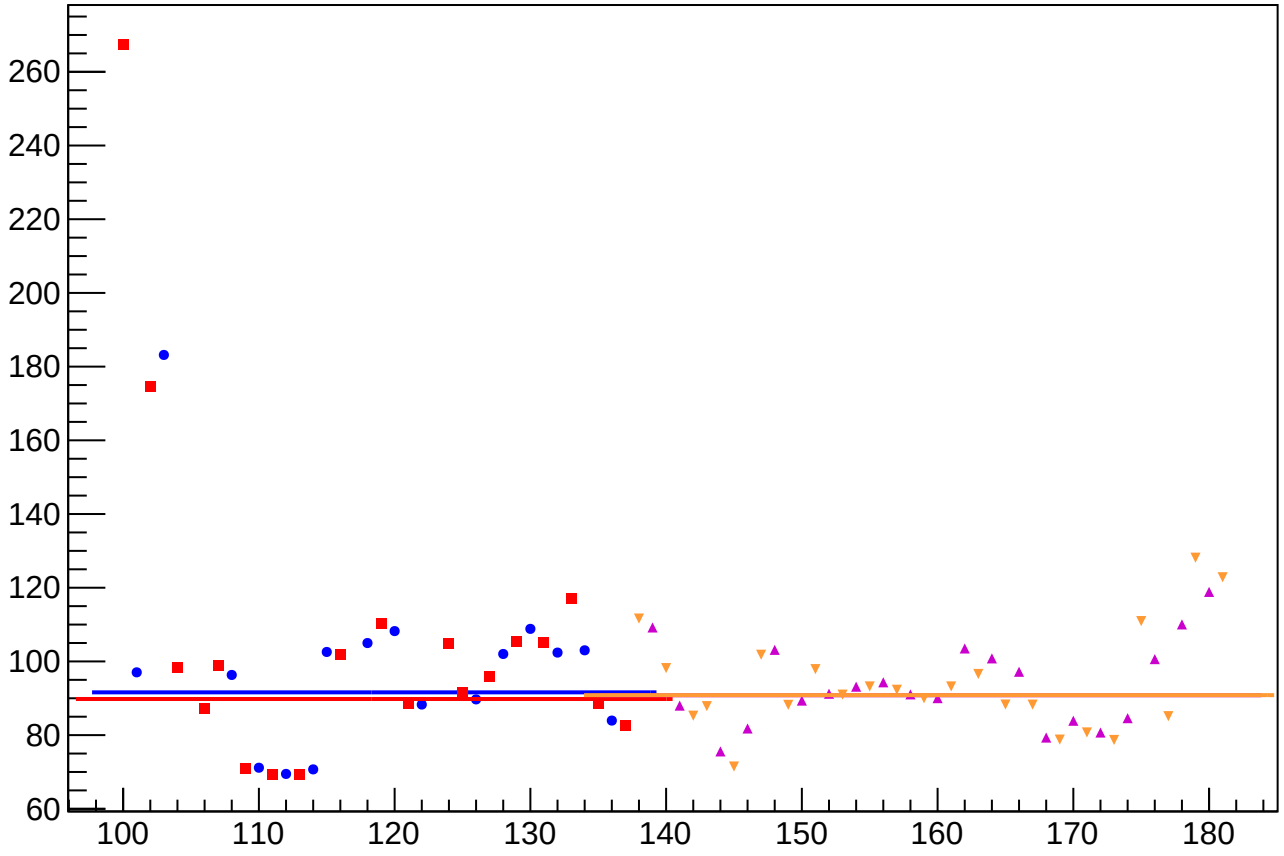
Left In: -75.408+/-22.139 χ^2/NDF:29.7/20

+ sign 44.219+/-18.350 χ^2/NDF: 55.3/38

All: -8.085+/-13.060 χ^2/NDF: 126.8/78

- sign -61.777+/-18.592 χ^2/NDF: 55.0/39

cor_asym_sam_3748_avg_rms vs Slug



Right In: 91.608+/-0.025 χ^2/NDF: 580675.9/15

Left Out: 90.851+/-0.015 χ^2/NDF:634066.9/22

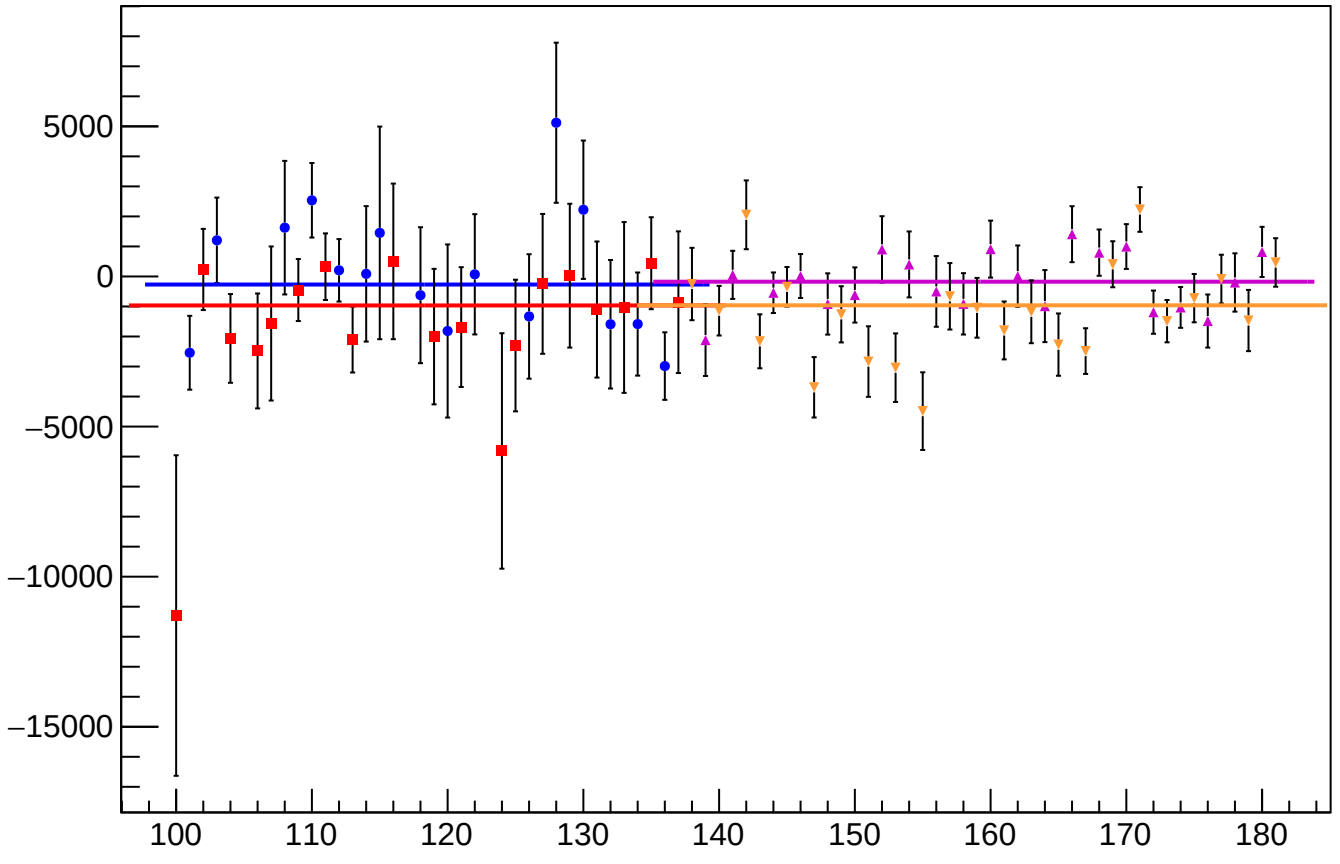
Right Out: 89.807+/-0.024 χ^2/NDF: 746833.4/18

Left In: 90.819+/-0.016 χ^2/NDF:451512.3/20

+ sign 91.058+/-0.013 χ^2/NDF: 1215418.0/38

All: 90.793+/-0.009 χ^2/NDF: 2415840.5/78

- sign 90.521+/-0.013 χ^2/NDF: 1199576.7/39



Right In: -268.506+/-419.581 χ^2/NDF: 23.4/15

Left Out: -960.900+/-188.276 χ^2/NDF:64.0/22

Right Out: -964.986+/-401.633 χ^2/NDF: 12.1/18

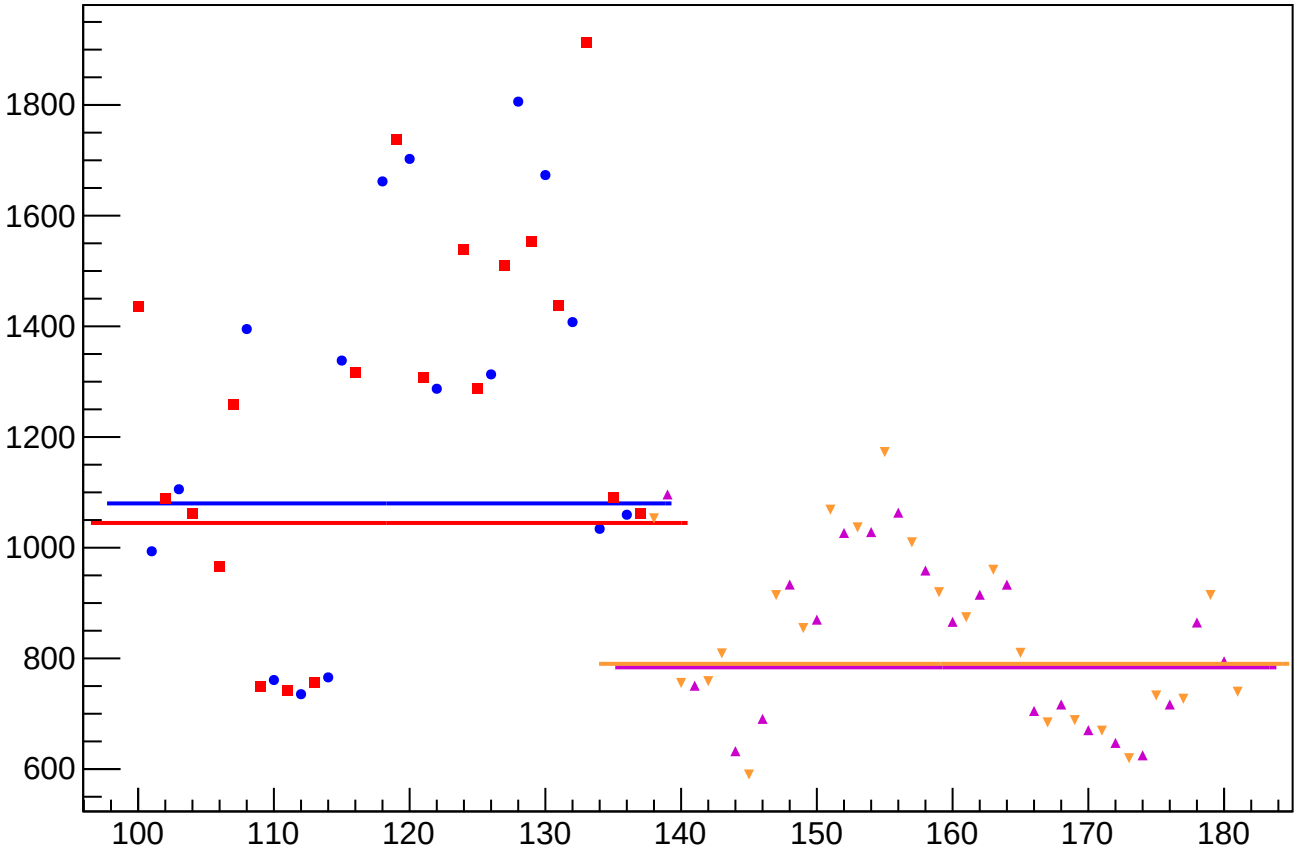
Left In: -174.369+/-192.314 χ^2/NDF:21.6/20

+ sign -844.851+/-171.775 χ^2/NDF: 89.7/38

All: -585.886+/-122.052 χ^2/NDF: 131.1/78

- sign -321.830+/-173.454 χ^2/NDF: 36.8/39

asym_sam_3748_avg_cor_correction_rms vs Slug



Right In: 1080.054+/-0.297 χ^2/NDF: 1053475.0/15

Left Out: 790.217+/-0.133 χ^2/NDF:1190001.3/22

Right Out: 1044.717+/-0.284 χ^2/NDF: 1201825.8/18

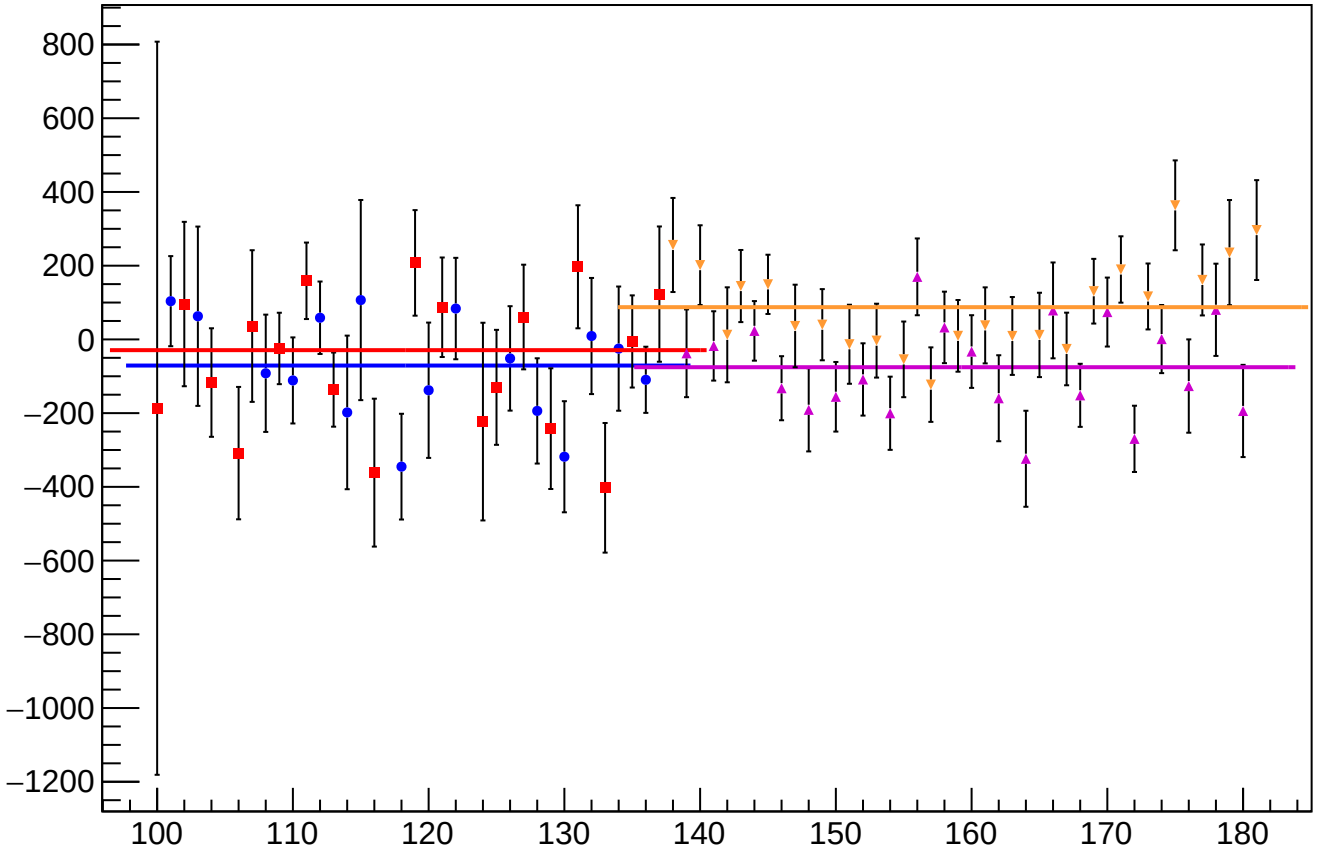
Left In: 783.821+/-0.136 χ^2/NDF:1062098.1/20

\+ sign 838.795+/-0.121 χ^2/NDF: 3037865.6/38

All: 835.669+/-0.086 χ^2/NDF: 5989650.5/78

\- sign 832.482+/-0.123 χ^2/NDF: 2950447.1/39

eigen_cor_asym_sam_3748_avg_mean vs Slug



Right In: -70.903+/-35.122 χ^2/NDF: 14.1/15

Left Out: 87.445+/-21.522 χ^2/NDF:26.5/22

Right Out: -29.159+/-34.247 χ^2/NDF: 24.0/18

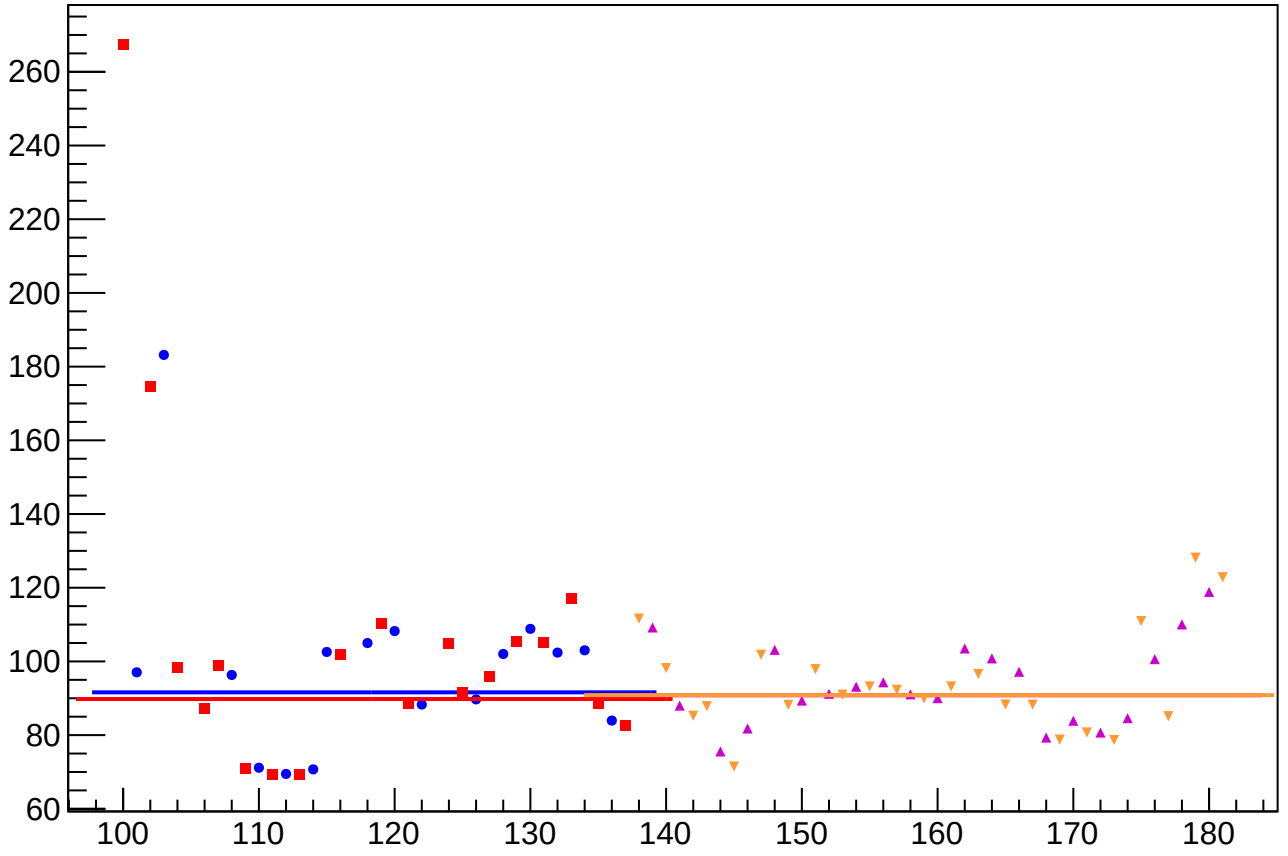
Left In: -75.408+/-22.139 χ^2/NDF:29.7/20

+ sign 44.219+/-18.350 χ^2/NDF: 55.3/38

All: -8.085+/-13.060 χ^2/NDF: 126.8/78

- sign -61.777+/-18.592 χ^2/NDF: 55.0/39

eigen_cor_asym_sam_3748_avg_rms vs Slug



Right In: 91.608+/-0.025 χ^2/NDF: 580675.9/15

Left Out: 90.851+/-0.015 χ^2/NDF:634066.9/22

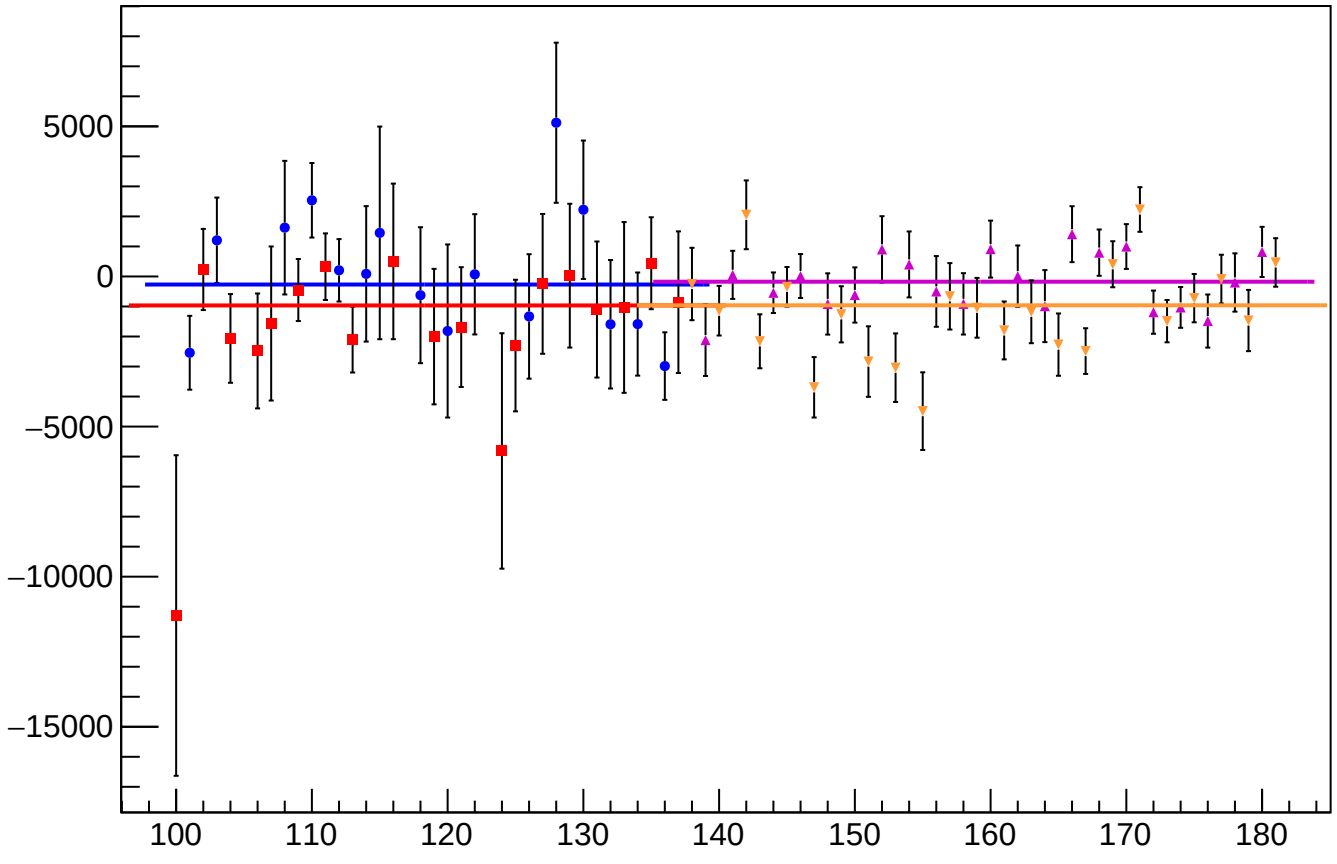
Right Out: 89.807+/-0.024 χ^2/NDF: 746833.4/18

Left In: 90.819+/-0.016 χ^2/NDF:451512.3/20

+ sign 91.058+/-0.013 χ^2/NDF: 1215418.0/38

All: 90.793+/-0.009 χ^2/NDF: 2415840.5/78

- sign 90.521+/-0.013 χ^2/NDF: 1199576.7/39



Right In: -268.506+/-419.581 χ^2/NDF: 23.4/15

Left Out: -960.900+/-188.276 χ^2/NDF:64.0/22

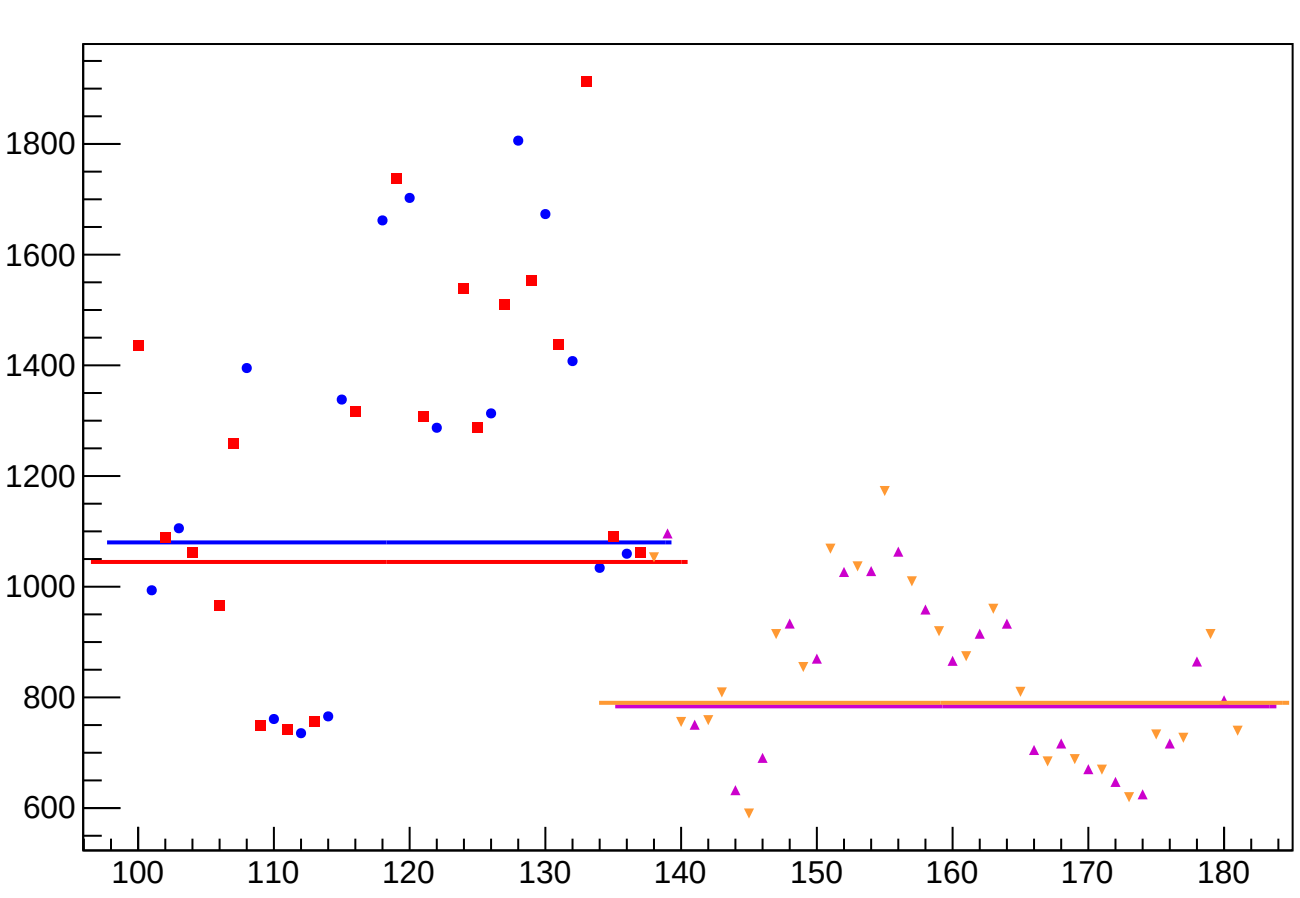
Right Out: -964.986+/-401.633 χ^2/NDF: 12.1/18

Left In: -174.369+/-192.314 χ^2/NDF:21.6/20

+ sign -844.851+/-171.775 χ^2/NDF: 89.7/38

All: -585.886+/-122.052 χ^2/NDF: 131.1/78

- sign -321.830+/-173.454 χ^2/NDF: 36.8/39



Right In: 1080.054+/-0.297 χ^2/NDF: 1053475.0/15

Left Out: 790.217+/-0.133 χ^2/NDF:1190001.3/22

Right Out: 1044.717+/-0.284 χ^2/NDF: 1201825.8/18

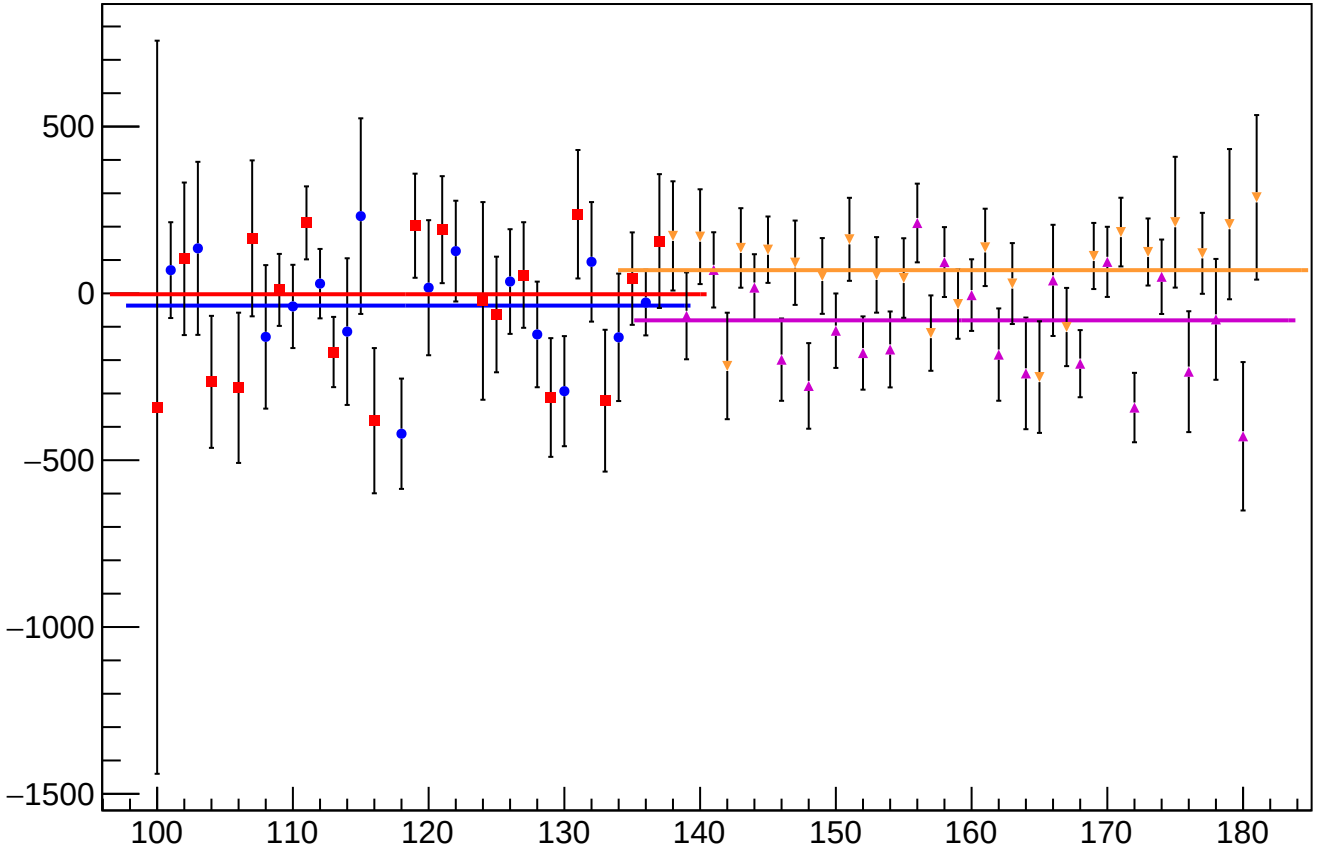
Left In: 783.821+/-0.136 χ^2/NDF:1062098.1/20

+ sign 838.795+/-0.121 χ^2/NDF: 3037865.6/38

All: 835.669+/-0.086 χ^2/NDF: 5989650.5/78

- sign 832.482+/-0.123 χ^2/NDF: 2950447.1/39

dit_asym_sam_3748_avg_mean vs Slug



Right In: -36.590+/-38.991 χ^2/NDF: 12.9/15

Left Out: 69.589+/-25.839 χ^2/NDF:19.0/22

Right Out: -2.568+/-38.165 χ^2/NDF: 24.7/18

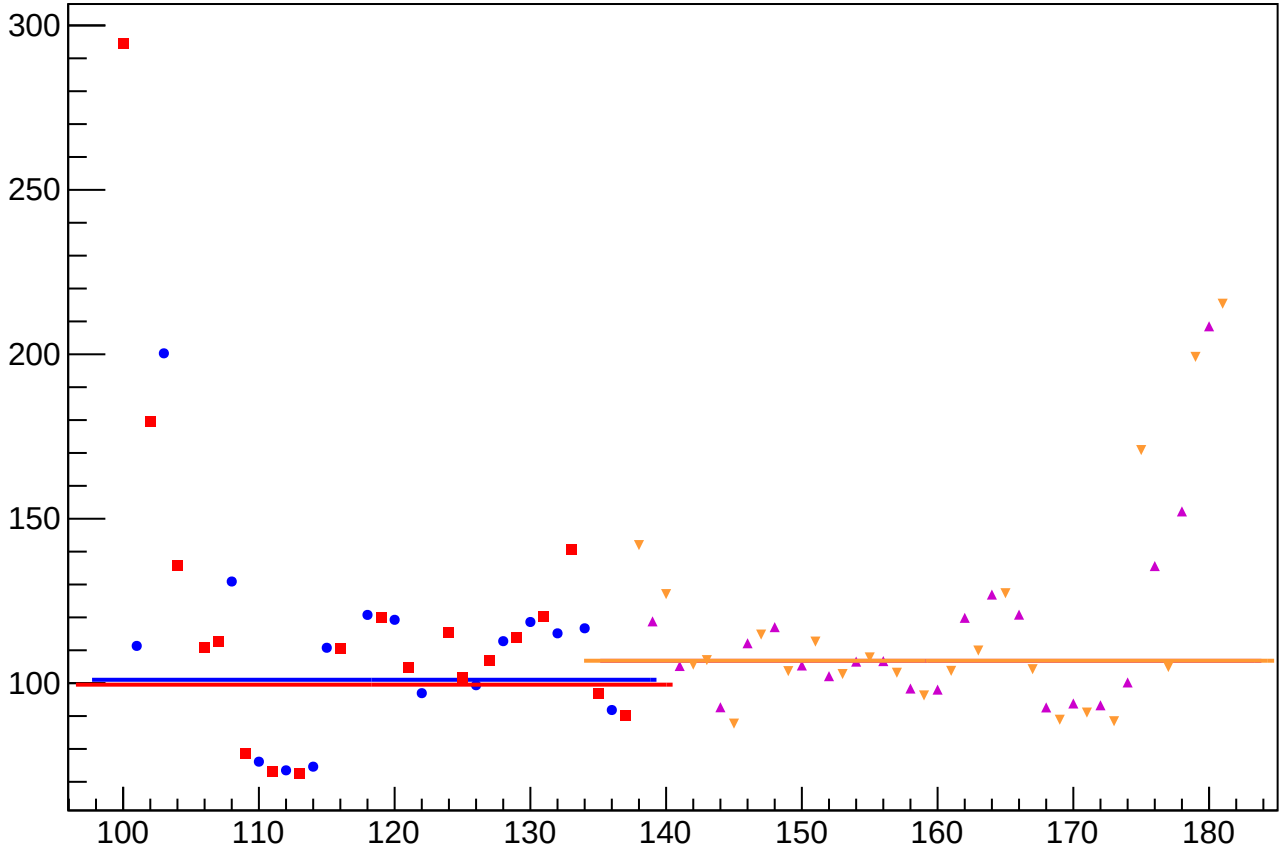
Left In: -80.819+/-26.524 χ^2/NDF:34.1/20

+ sign 37.188+/-21.539 χ^2/NDF: 37.1/38

All: -8.557+/-15.315 χ^2/NDF: 107.9/78

- sign -55.333+/-21.780 χ^2/NDF: 61.7/39

dit_asym_sam_3748_avg_rms vs Slug



Right In: 101.031+/-0.028 χ^2/NDF: 716095.9/15

Left Out: 106.823+/-0.018 χ^2/NDF:1397812.6/22

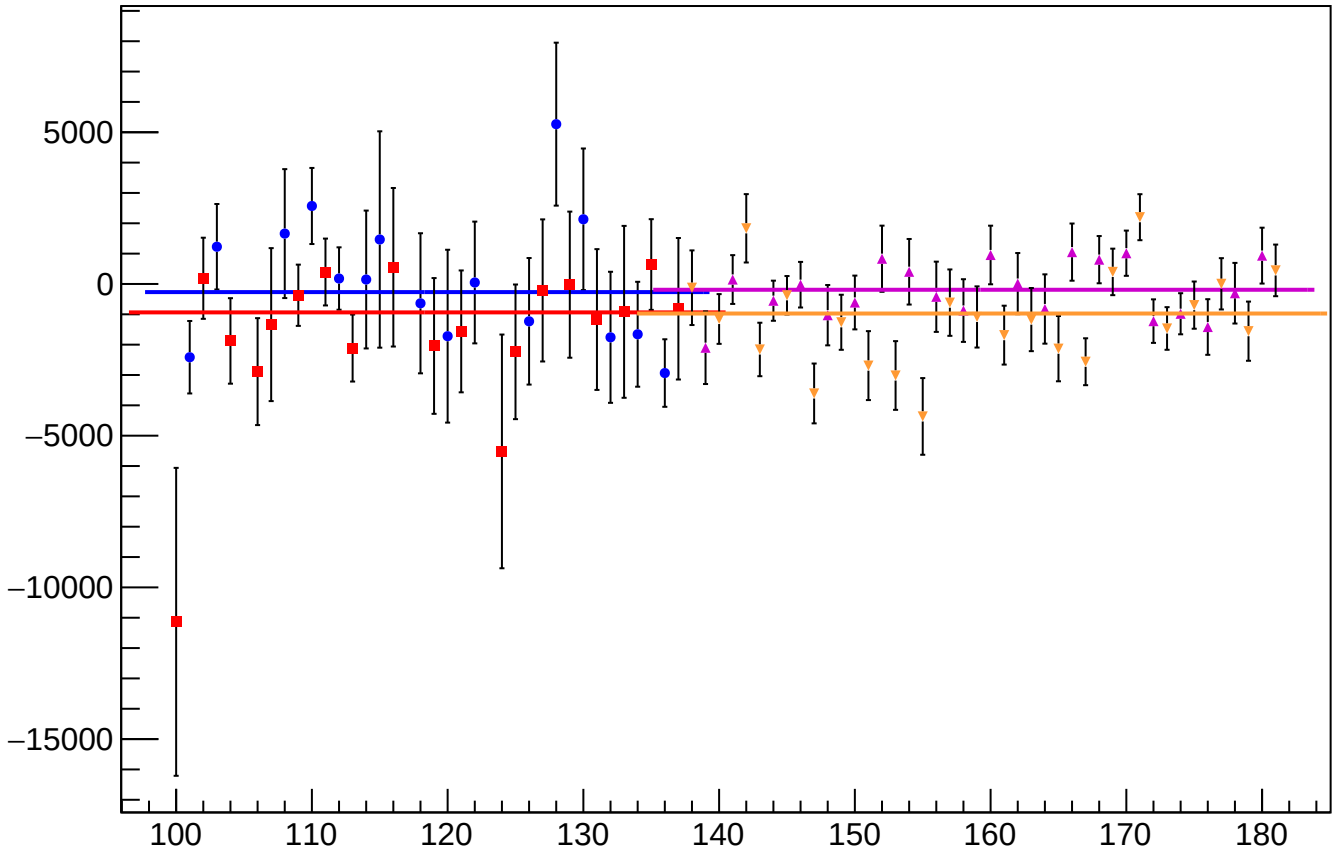
Right Out: 99.547+/-0.027 χ^2/NDF: 880497.8/18

Left In: 106.777+/-0.019 χ^2/NDF:870555.9/20

+ sign 105.056+/-0.015 χ^2/NDF: 2144577.4/38

All: 104.743+/-0.011 χ^2/NDF: 3944884.8/78

- sign 104.422+/-0.015 χ^2/NDF: 1799451.6/39



Right In: -267.886+/-417.061 χ^2/NDF: 23.5/15

Left Out: -974.062+/-187.537 χ^2/NDF:61.4/22

Right Out: -936.734+/-396.234 χ^2/NDF: 13.1/18

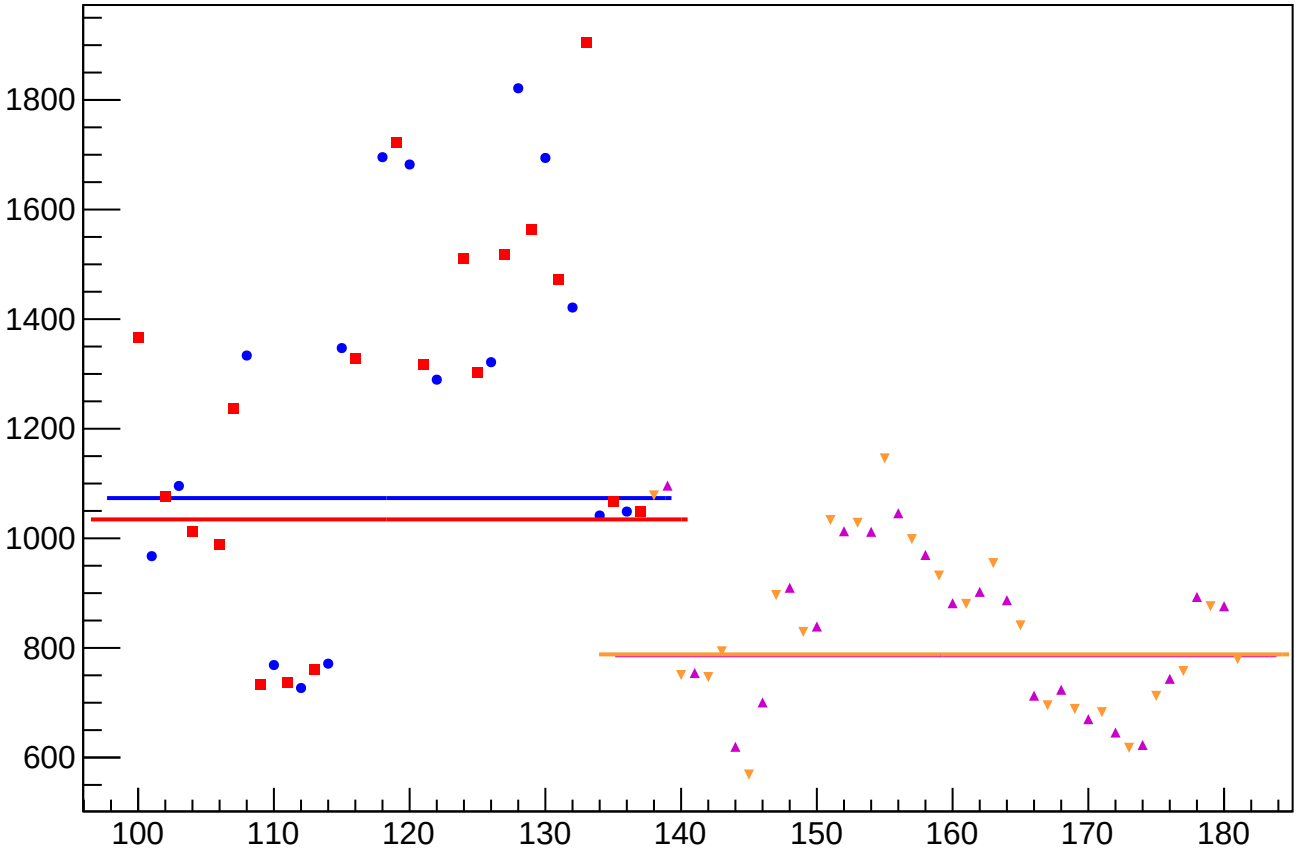
Left In: -191.172+/-192.934 χ^2/NDF:20.1/20

+ sign -855.291+/-171.040 χ^2/NDF: 87.2/38

All: -598.342+/-121.792 χ^2/NDF: 127.9/78

- sign -334.060+/-173.464 χ^2/NDF: 36.1/39

asym_sam_3748_avg_dit_correction_rms vs Slug



Right In: 1073.456+/-0.295 χ^2/NDF: 1077055.9/15

Left Out: 788.206+/-0.133 χ^2/NDF:1175109.0/22

Right Out: 1034.535+/-0.280 χ^2/NDF: 1229344.1/18

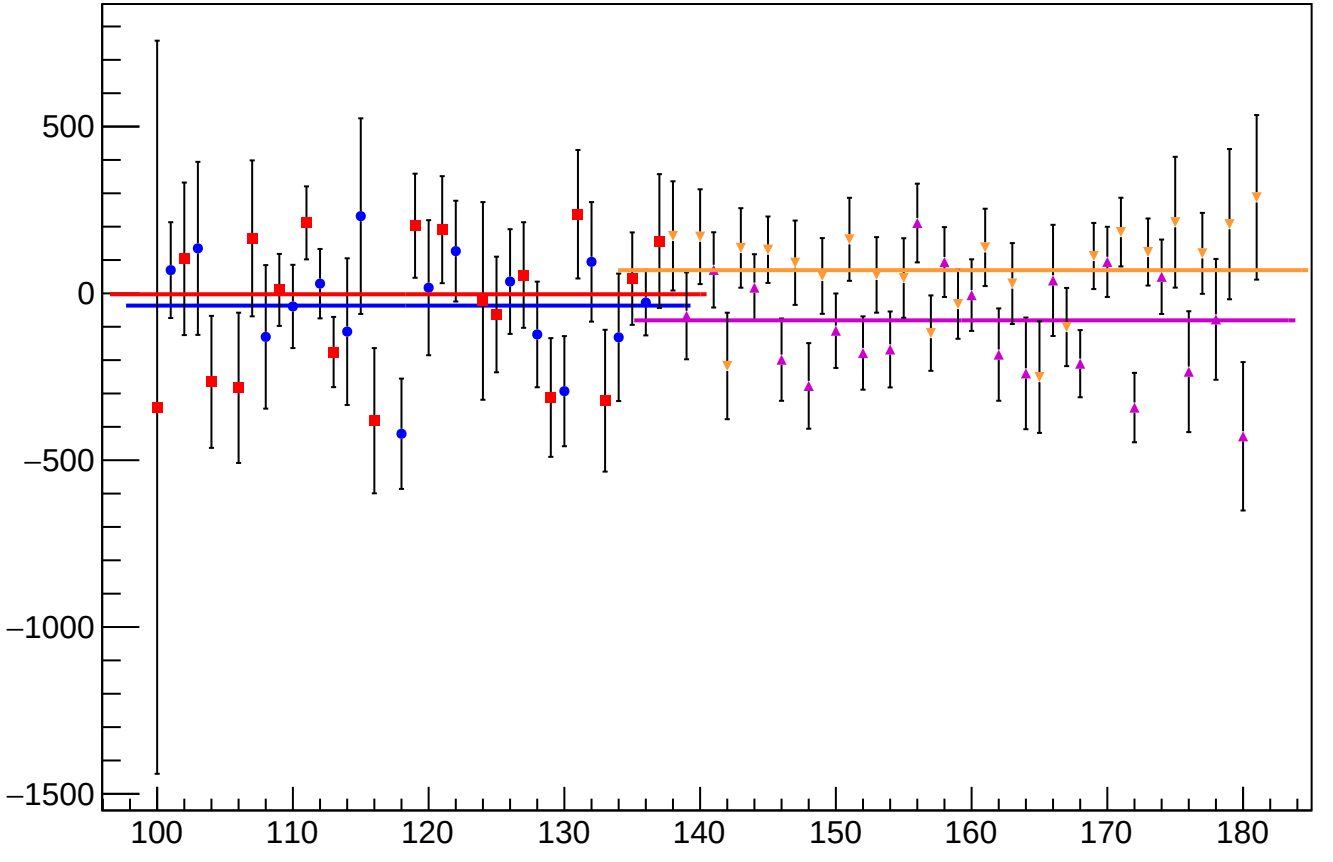
Left In: 786.555+/-0.136 χ^2/NDF:1040461.7/20

+ sign 836.182+/-0.121 χ^2/NDF: 3030390.4/38

All: 835.146+/-0.086 χ^2/NDF: 5933567.5/78

- sign 834.081+/-0.123 χ^2/NDF: 2903028.4/39

eigen_dit_asym_sam_3748_avg_mean vs Slug



Right In: -36.589+/-38.991 χ^2/NDF: 12.9/15

Left Out: 69.590+/-25.839 χ^2/NDF:19.0/22

Right Out: -2.566+/-38.165 χ^2/NDF: 24.7/18

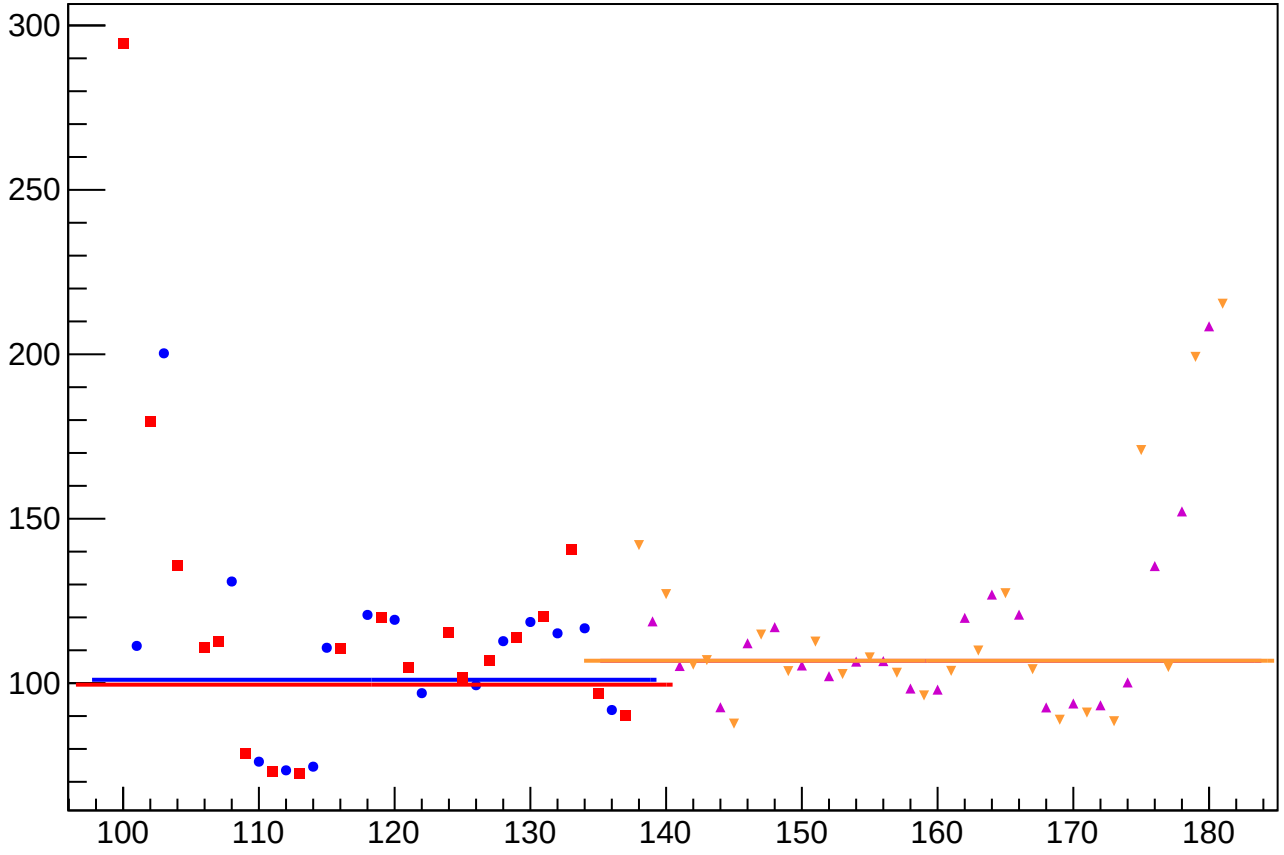
Left In: -80.818+/-26.524 χ^2/NDF:34.1/20

+ sign 37.189+/-21.539 χ^2/NDF: 37.1/38

All: -8.556+/-15.315 χ^2/NDF: 107.9/78

- sign -55.332+/-21.780 χ^2/NDF: 61.7/39

eigen_dit_asym_sam_3748_avg_rms vs Slug



Right In: 101.031+/-0.028 χ^2/NDF: 716094.5/15

Left Out: 106.824+/-0.018 χ^2/NDF:1397810.8/22

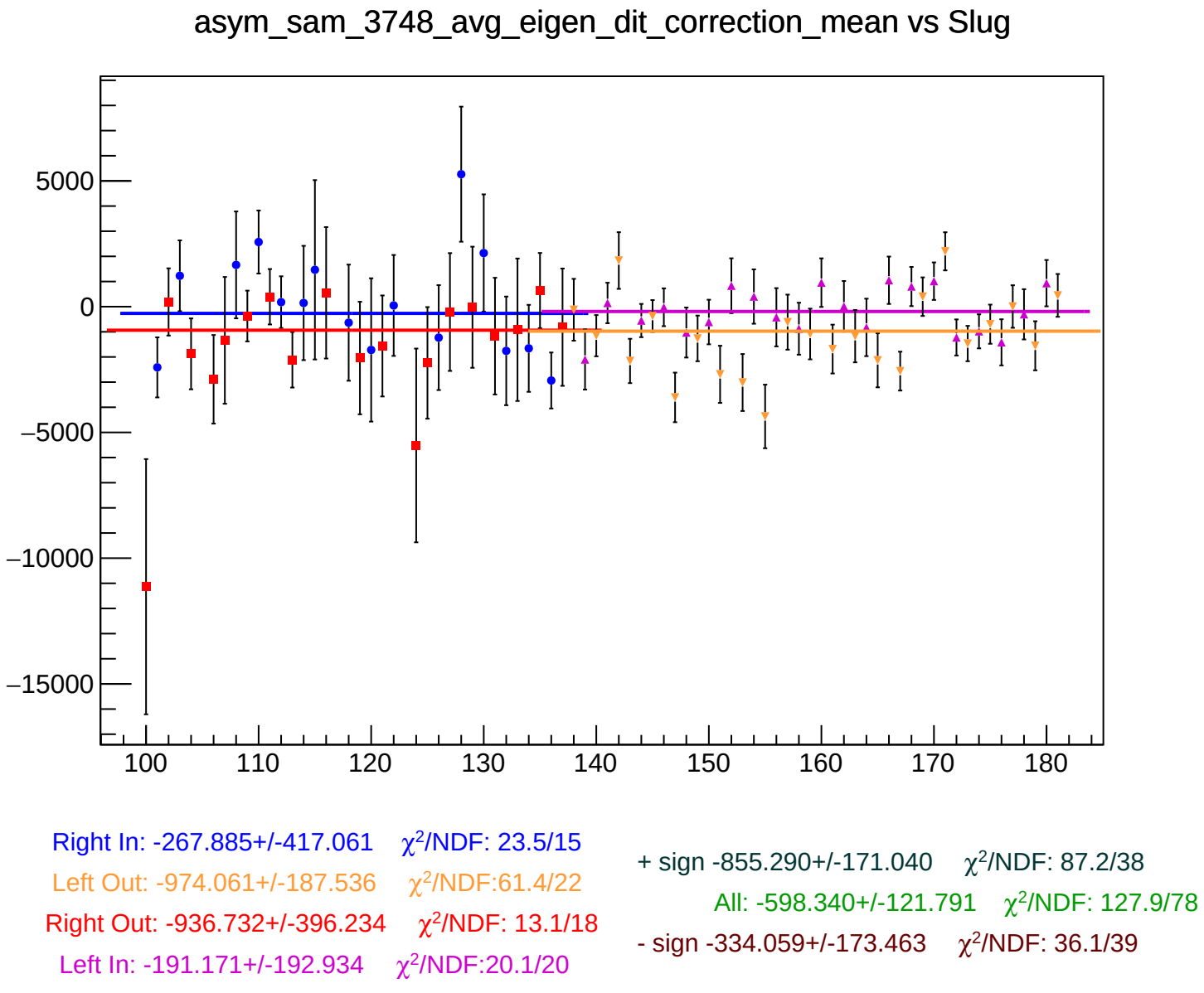
Right Out: 99.547+/-0.027 χ^2/NDF: 880499.8/18

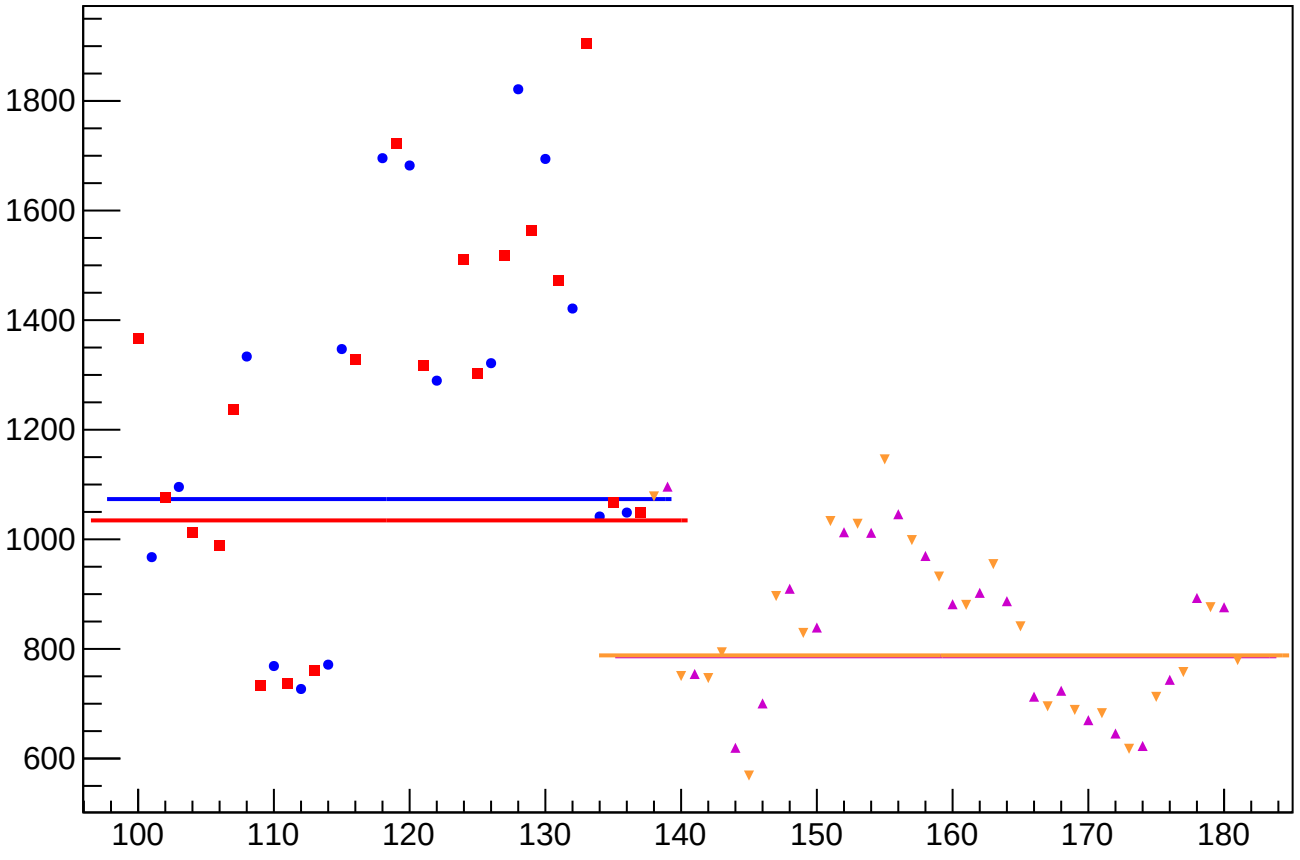
Left In: 106.777+/-0.019 χ^2/NDF:870538.2/20

+ sign 105.056+/-0.015 χ^2/NDF: 2144576.0/38

All: 104.743+/-0.011 χ^2/NDF: 3944869.9/78

- sign 104.423+/-0.015 χ^2/NDF: 1799438.1/39


asym_sam_3748_avg_eigen_dit_correction_mean vs Slug
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
180
Right In: -267.885+/-417.061 χ²/NDF: 23.5/15
Left Out: -974.061+/-187.536 χ²/NDF:61.4/22
Right Out: -936.732+/-396.234 χ²/NDF: 13.1/18
Left In: -191.171+/-192.934 χ²/NDF:20.1/20
+ sign -855.290+/-171.040 χ²/NDF: 87.2/38
All: -598.340+/-121.791 χ²/NDF: 127.9/78
- sign -334.059+/-173.463 χ²/NDF: 36.1/39



Right In: 1073.454+/-0.295 χ^2/NDF: 1077061.8/15

Left Out: 788.204+/-0.133 χ^2/NDF:1175111.6/22

Right Out: 1034.533+/-0.280 χ^2/NDF: 1229346.7/18

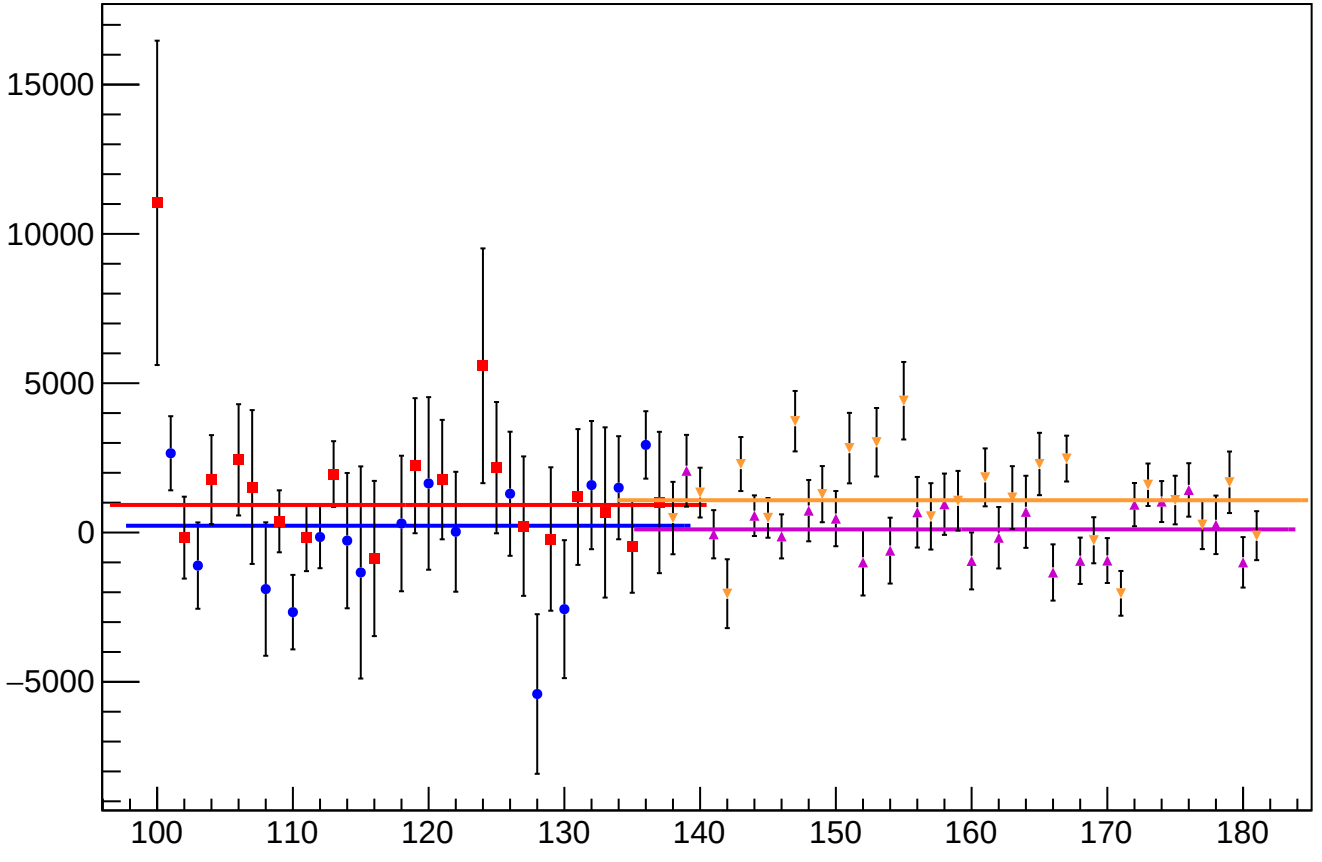
Left In: 786.554+/-0.136 χ^2/NDF:1040461.8/20

+ sign 836.180+/-0.121 χ^2/NDF: 3030398.6/38

All: 835.145+/-0.086 χ^2/NDF: 5933579.1/78

- sign 834.080+/-0.123 χ^2/NDF: 2903031.8/39

asym_sam_3748_avg_mean vs Slug



Right In: 227.502+/-421.838 χ^2/NDF: 24.4/15

Left Out: 1081.444+/-189.680 χ^2/NDF:58.6/22

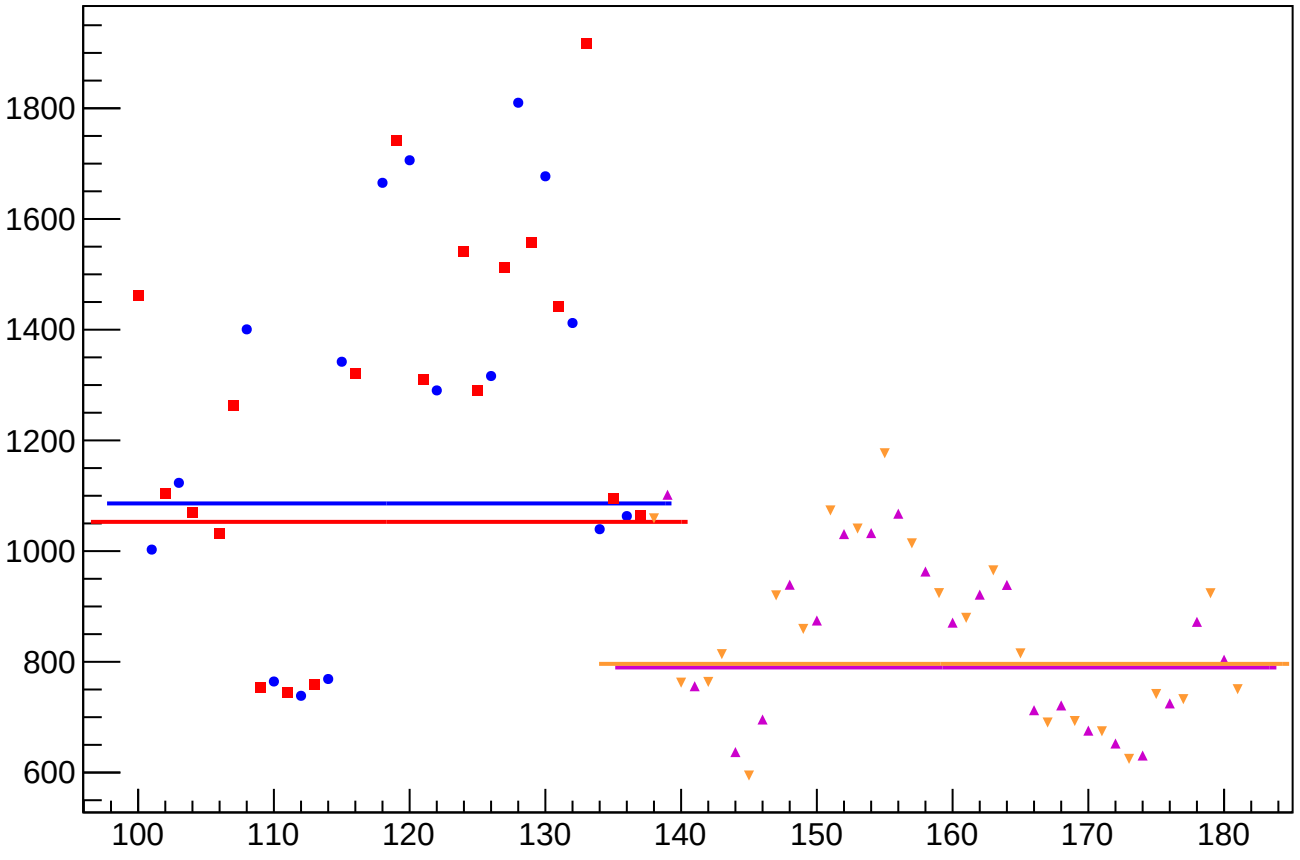
Right Out: 923.649+/-403.102 χ^2/NDF: 11.2/18

Left In: 105.075+/-193.735 χ^2/NDF:20.8/20

\+ sign 937.826+/-172.996 χ^2/NDF: 86.5/38

All: 601.414+/-122.895 χ^2/NDF: 129.5/78

\- sign 258.675+/-174.615 χ^2/NDF: 35.3/39



Right In: 1086.137+/-0.298 χ^2/NDF: 1047479.6/15

Left Out: 796.310+/-0.134 χ^2/NDF:1173494.9/22

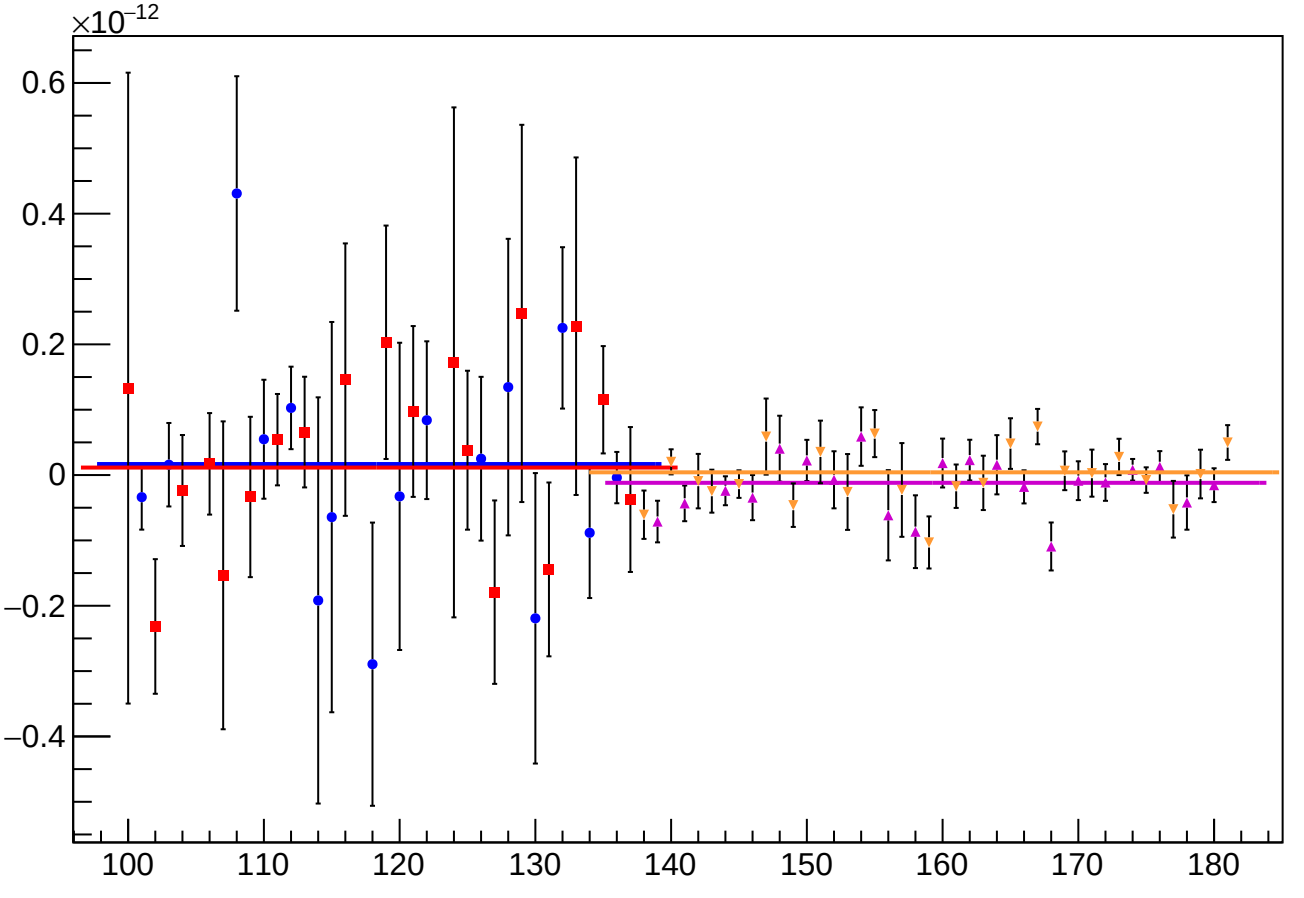
Right Out: 1052.831+/-0.285 χ^2/NDF: 1194420.8/18

Left In: 789.800+/-0.137 χ^2/NDF:1046731.4/20

+ sign 845.054+/-0.122 χ^2/NDF: 3006293.9/38

All: 842.132+/-0.087 χ^2/NDF: 5940363.3/78

- sign 839.156+/-0.123 χ^2/NDF: 2932918.1/39



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:33.6/22

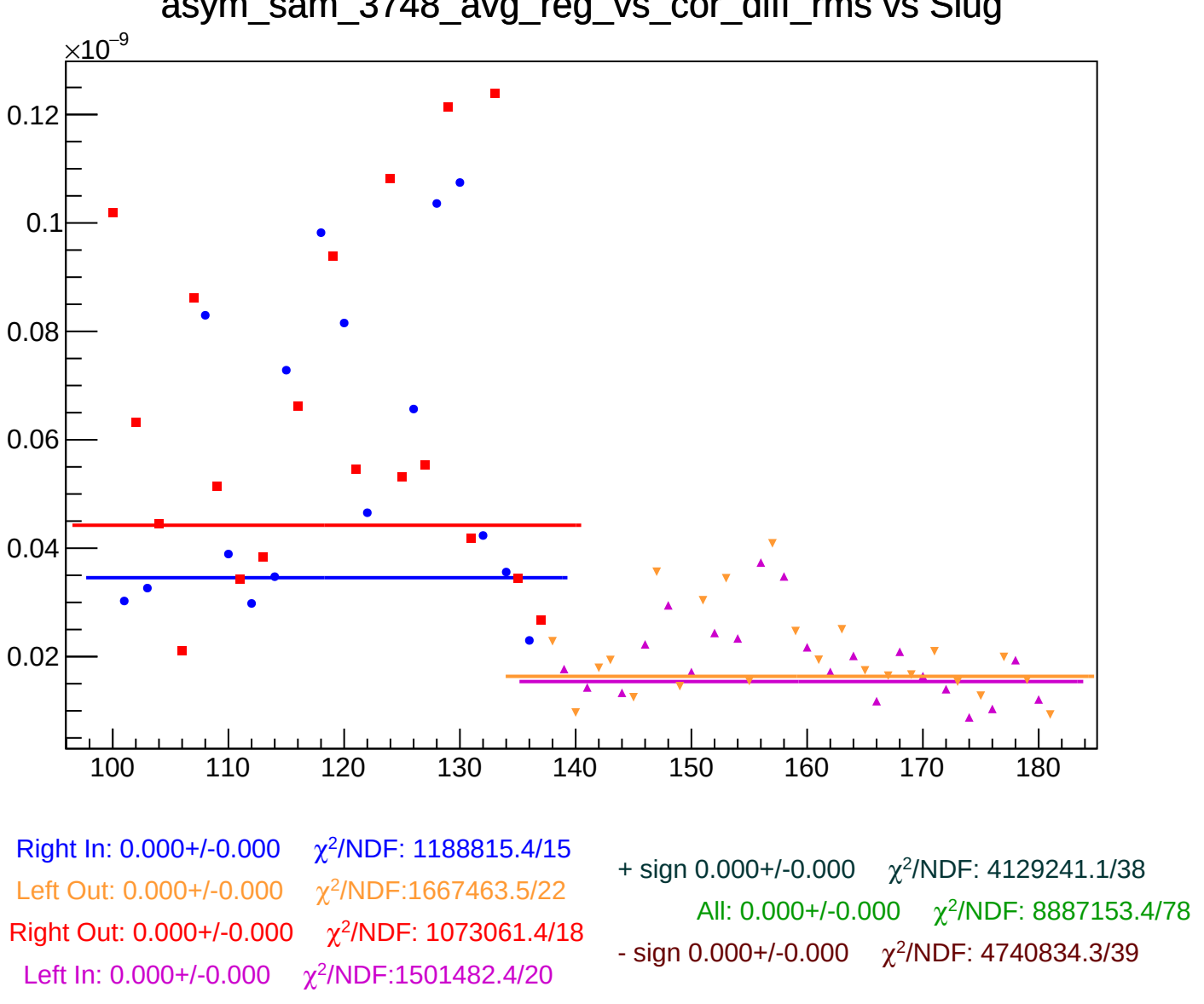
Right Out: 0.000+/-0.000 χ^2/NDF: 15.8/18

Left In: -0.000+/-0.000 χ^2/NDF:25.1/20

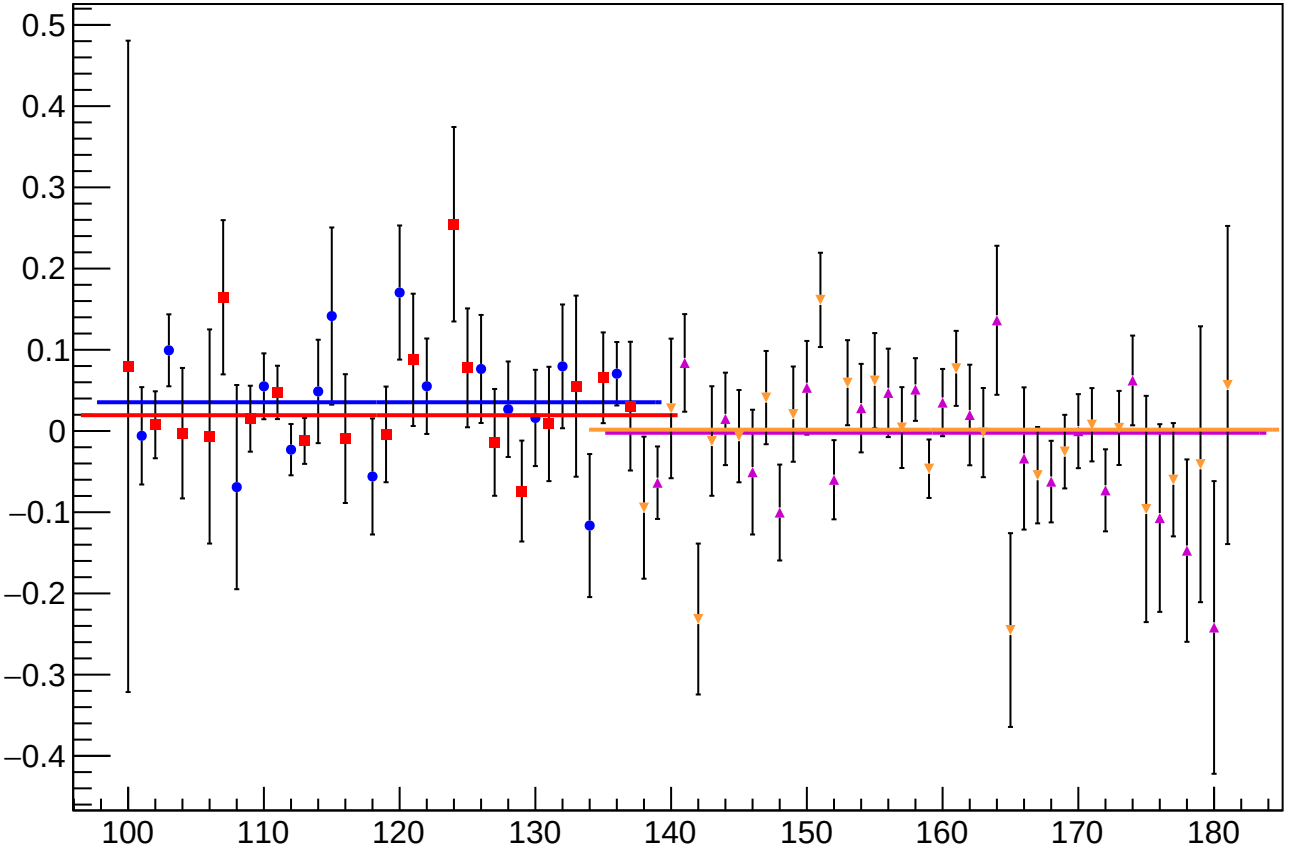
+ sign 0.000+/-0.000 χ^2/NDF: 50.8/38

All: -0.000+/-0.000 χ^2/NDF: 95.4/78

- sign -0.000+/-0.000 χ^2/NDF: 41.6/39


asym_sam_3748_avg_reg_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: 1188815.4/15
Left Out: 0.000+/-0.000 χ²/NDF:1667463.5/22
Right Out: 0.000+/-0.000 χ²/NDF: 1073061.4/18
Left In: 0.000+/-0.000 χ²/NDF:1501482.4/20
+ sign 0.000+/-0.000 χ²/NDF: 4129241.1/38
All: 0.000+/-0.000 χ²/NDF: 8887153.4/78
- sign 0.000+/-0.000 χ²/NDF: 4740834.3/39

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: 0.002+/-0.012 χ^2/NDF:29.5/22

Right Out: 0.019+/-0.013 χ^2/NDF: 13.4/18

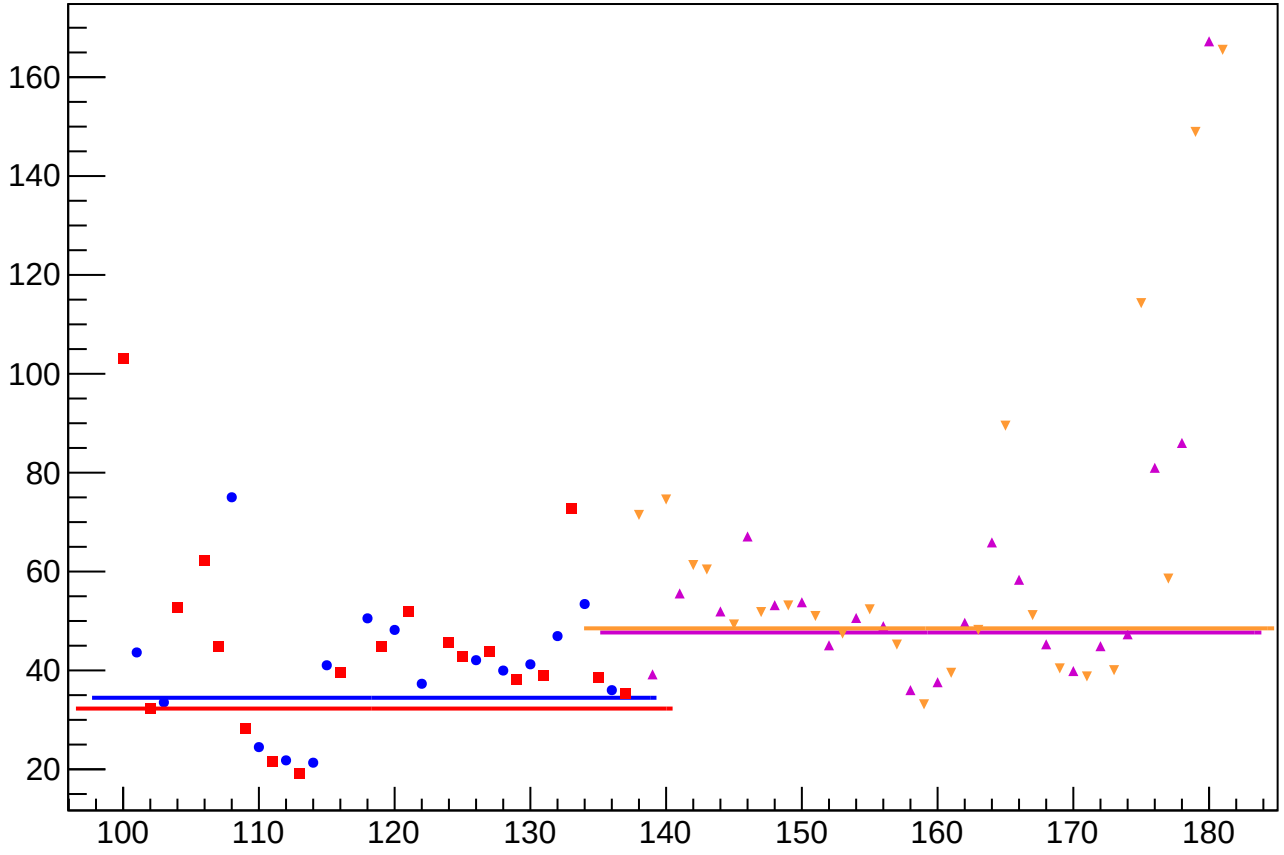
Left In: -0.002+/-0.012 χ^2/NDF:24.9/20

+ sign 0.017+/-0.009 χ^2/NDF: 49.8/38

All: 0.012+/-0.006 χ^2/NDF: 89.9/78

- sign 0.008+/-0.009 χ^2/NDF: 39.7/39

asym_sam_3748_avg_dit_vs_cor_diff_rms vs Slug



Right In: 34.468+/-0.010 χ^2/NDF: 1171203.3/15

Left Out: 48.512+/-0.009 χ^2/NDF:3270573.6/22

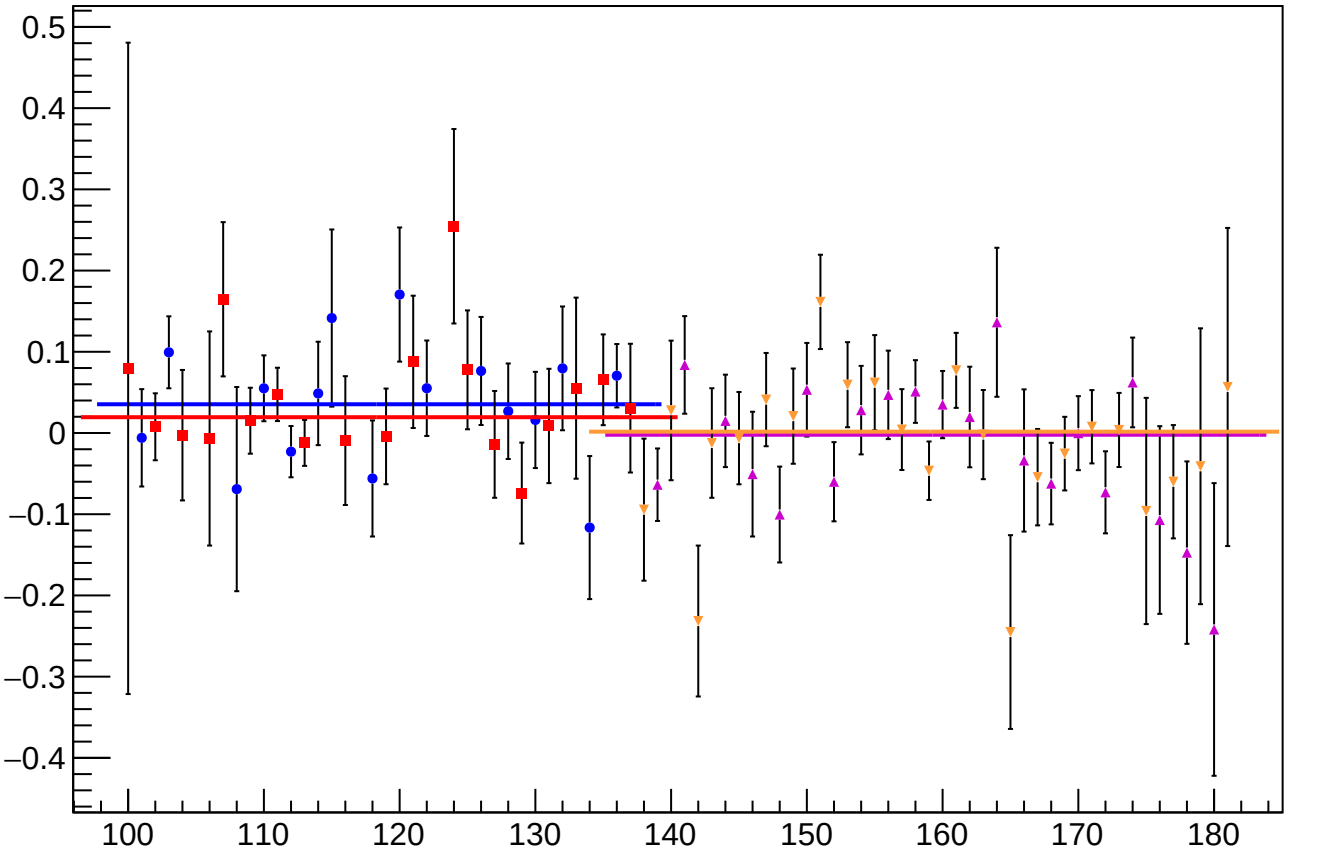
Right Out: 32.285+/-0.009 χ^2/NDF: 1672637.0/18

Left In: 47.673+/-0.009 χ^2/NDF:2058661.3/20

+ sign 42.316+/-0.007 χ^2/NDF: 5584143.0/38

All: 41.339+/-0.005 χ^2/NDF: 10810471.6/78

- sign 40.405+/-0.006 χ^2/NDF: 5182441.6/39



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.002+/-0.012 χ^2/NDF:29.5/22

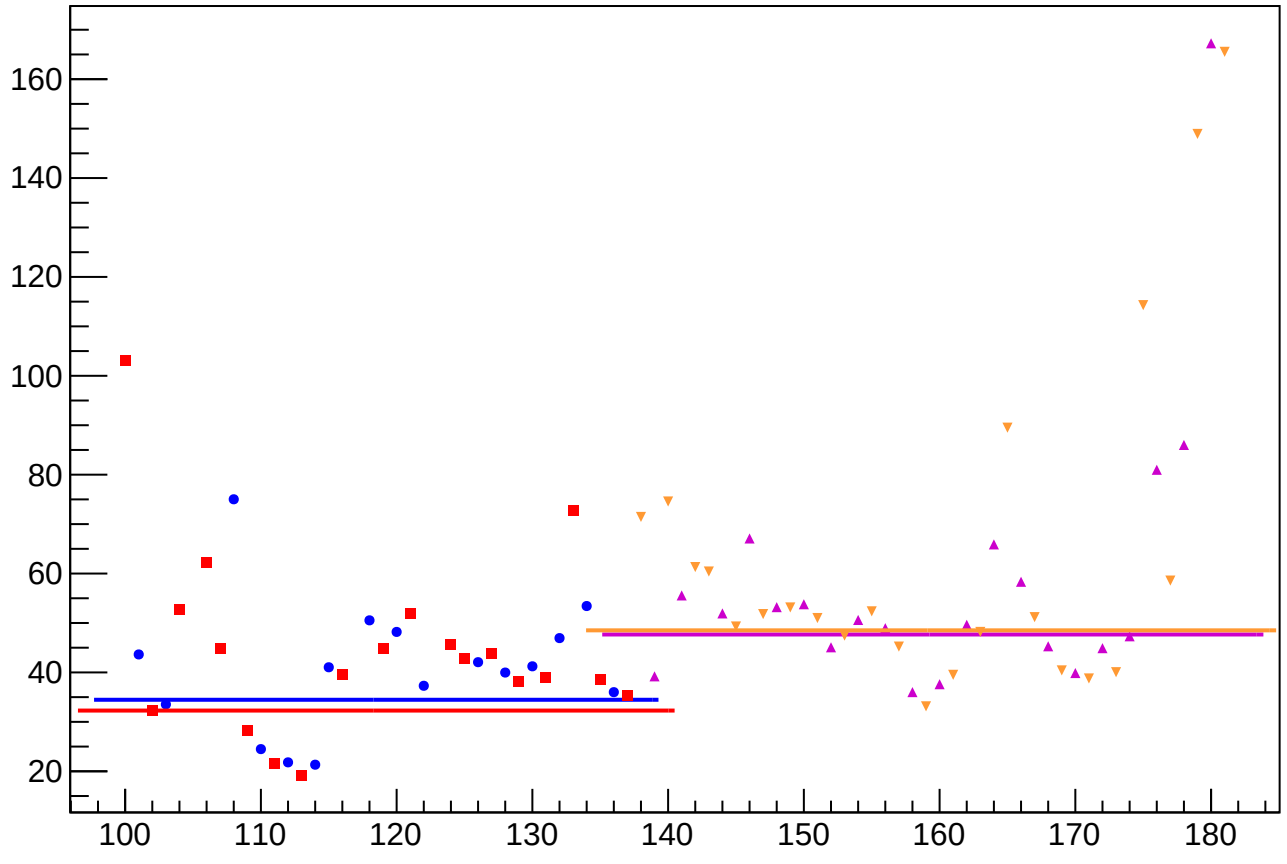
Right Out: 0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: -0.002+/-0.012 χ^2/NDF:24.9/20

+ sign 0.017+/-0.009 χ^2/NDF: 49.8/38

All: 0.012+/-0.006 χ^2/NDF: 89.9/78

- sign 0.008+/-0.009 χ^2/NDF: 39.7/39



Right In: 34.468+/-0.010 χ^2/NDF: 1171203.3/15

Left Out: 48.512+/-0.009 χ^2/NDF:3270573.6/22

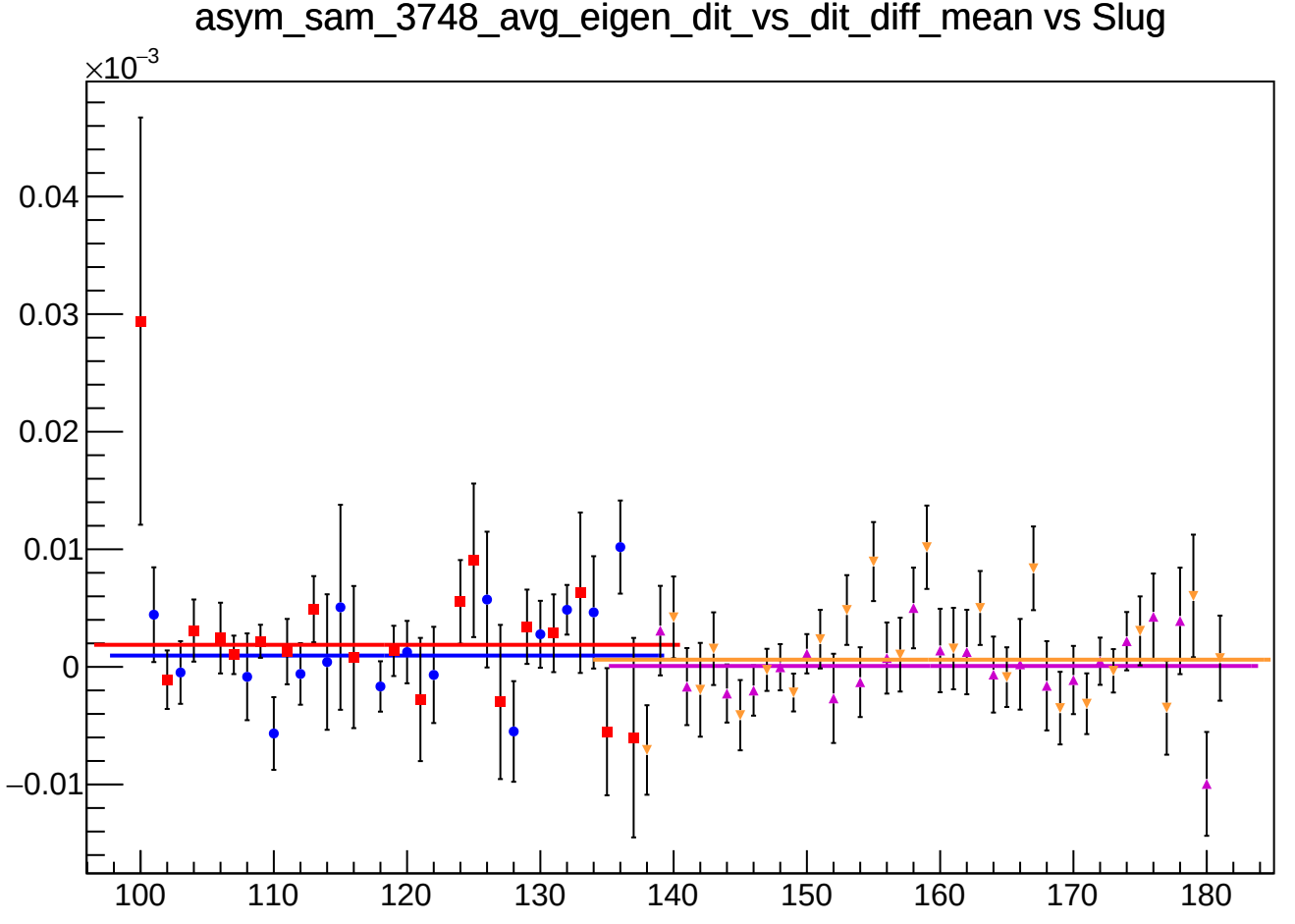
Right Out: 32.285+/-0.009 χ^2/NDF: 1672637.0/18

Left In: 47.673+/-0.009 χ^2/NDF:2058661.3/20

+ sign 42.316+/-0.007 χ^2/NDF: 5584143.0/38

All: 41.339+/-0.005 χ^2/NDF: 10810471.6/78

- sign 40.405+/-0.006 χ^2/NDF: 5182441.6/39



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:41.5/22

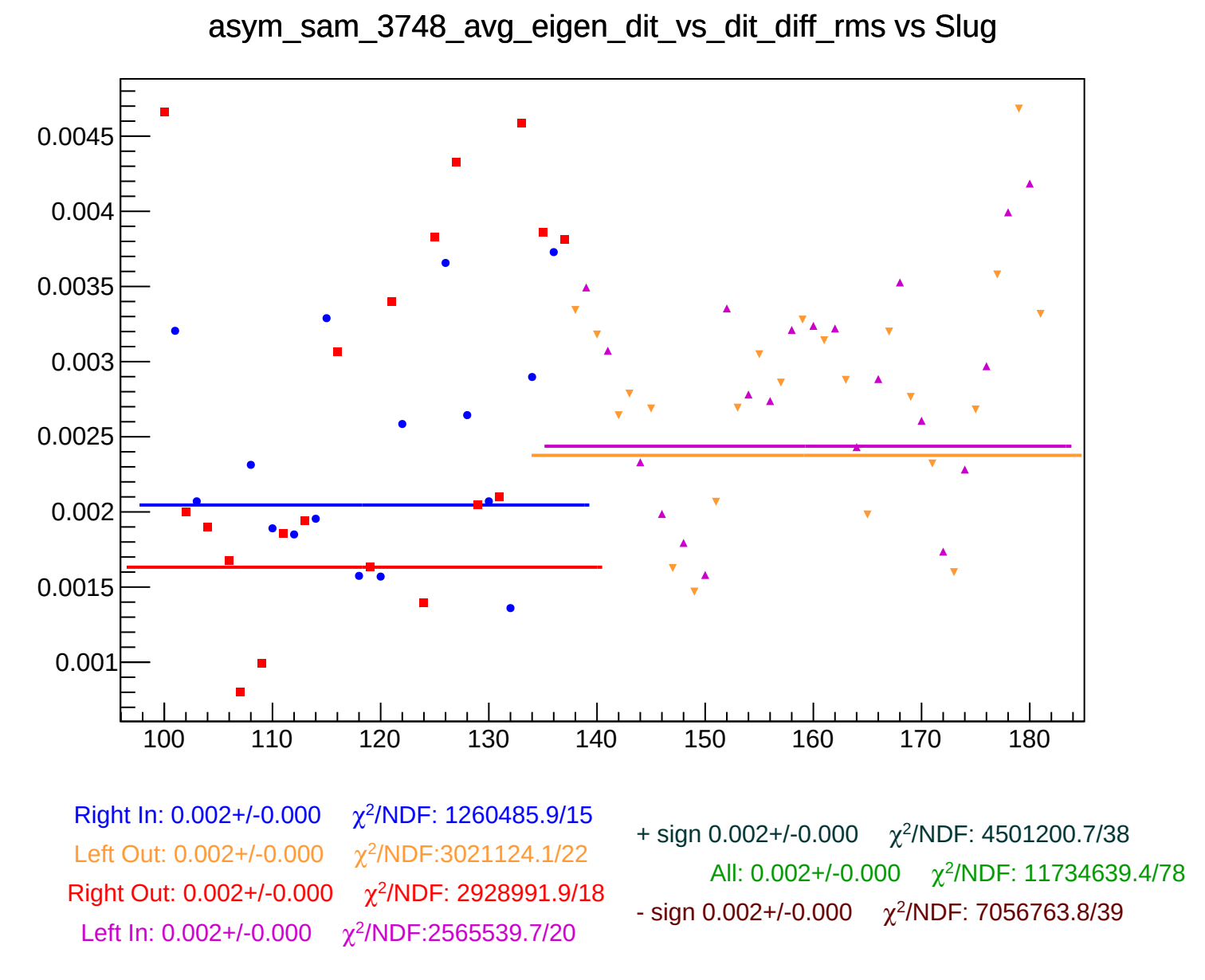
Right Out: 0.000+/-0.000 χ^2/NDF: 12.9/18

Left In: 0.000+/-0.000 χ^2/NDF:14.6/20

+ sign 0.000+/-0.000 χ^2/NDF: 62.5/38

All: 0.000+/-0.000 χ^2/NDF: 94.0/78

- sign 0.000+/-0.000 χ^2/NDF: 31.4/39


asym_sam_3748_avg_eigen_dit_vs_dit_diff_rms vs Slug
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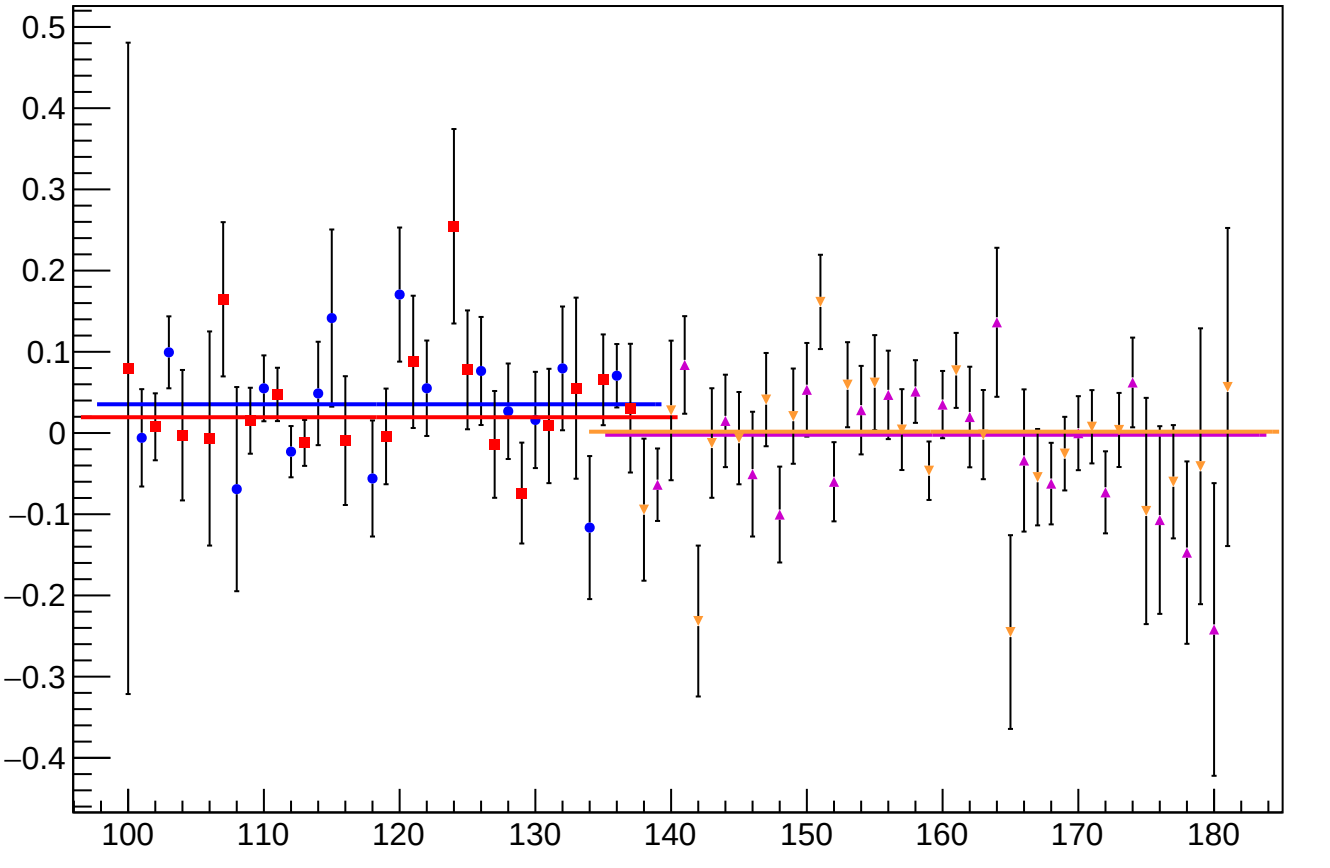
0.004
0.0035
0.003
0.0025
0.002
0.0015
0.001
100
110
120
130
140
150
160
170
180
Right In: 0.002+/-0.000 χ²/NDF: 1260485.9/15
Left Out: 0.002+/-0.000 χ²/NDF:3021124.1/22
Right Out: 0.002+/-0.000 χ²/NDF: 2928991.9/18
Left In: 0.002+/-0.000 χ²/NDF:2565539.7/20
+ sign 0.002+/-0.000 χ²/NDF: 4501200.7/38
All: 0.002+/-0.000 χ²/NDF: 11734639.4/78
- sign 0.002+/-0.000 χ²/NDF: 7056763.8/39



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.002+/-0.012 χ^2/NDF:29.5/22

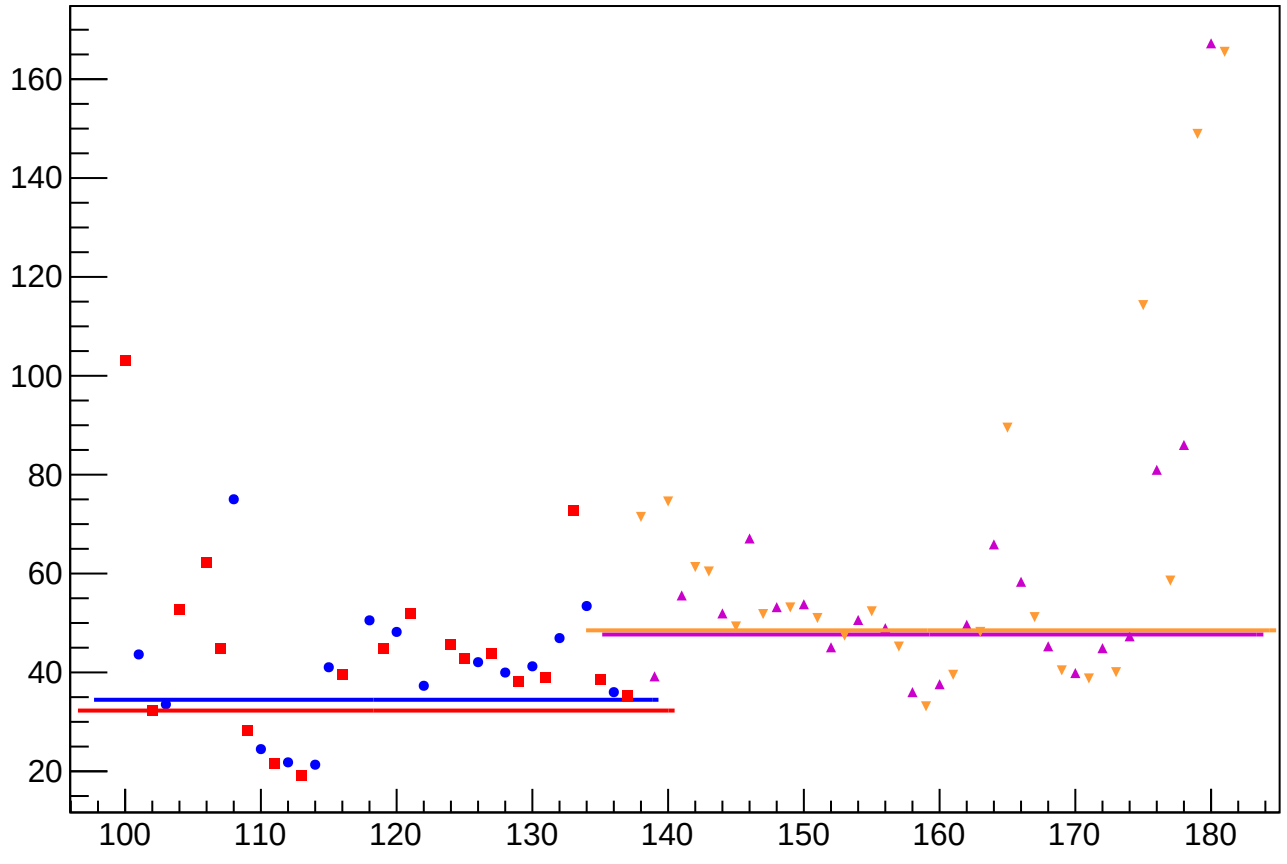
Right Out: 0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: -0.002+/-0.012 χ^2/NDF:24.9/20

+ sign 0.017+/-0.009 χ^2/NDF: 49.8/38

All: 0.012+/-0.006 χ^2/NDF: 89.9/78

- sign 0.008+/-0.009 χ^2/NDF: 39.7/39



Right In: 34.469+/-0.010 χ^2/NDF: 1171158.4/15

Left Out: 48.513+/-0.009 χ^2/NDF:3270557.2/22

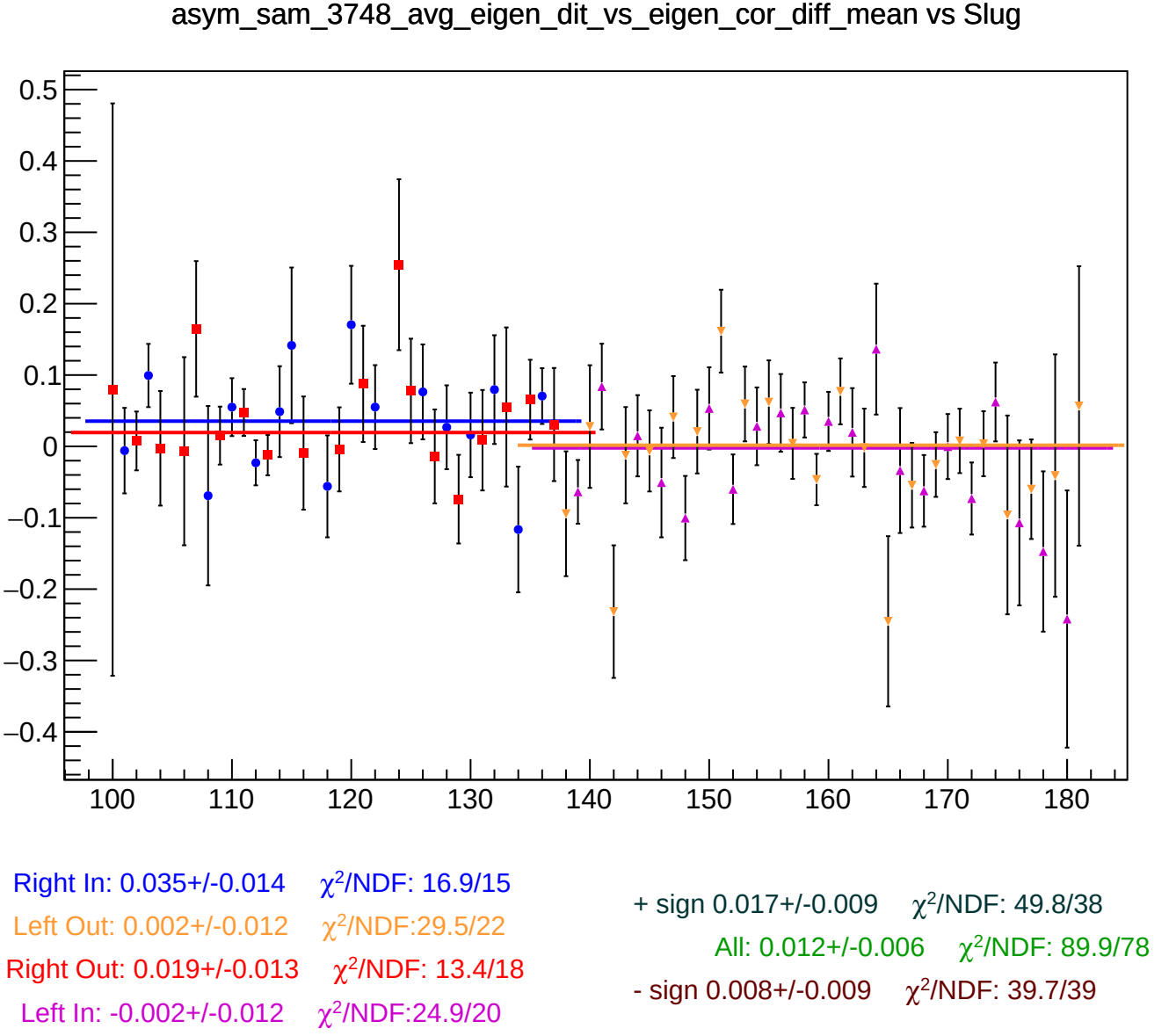
Right Out: 32.285+/-0.009 χ^2/NDF: 1672606.5/18

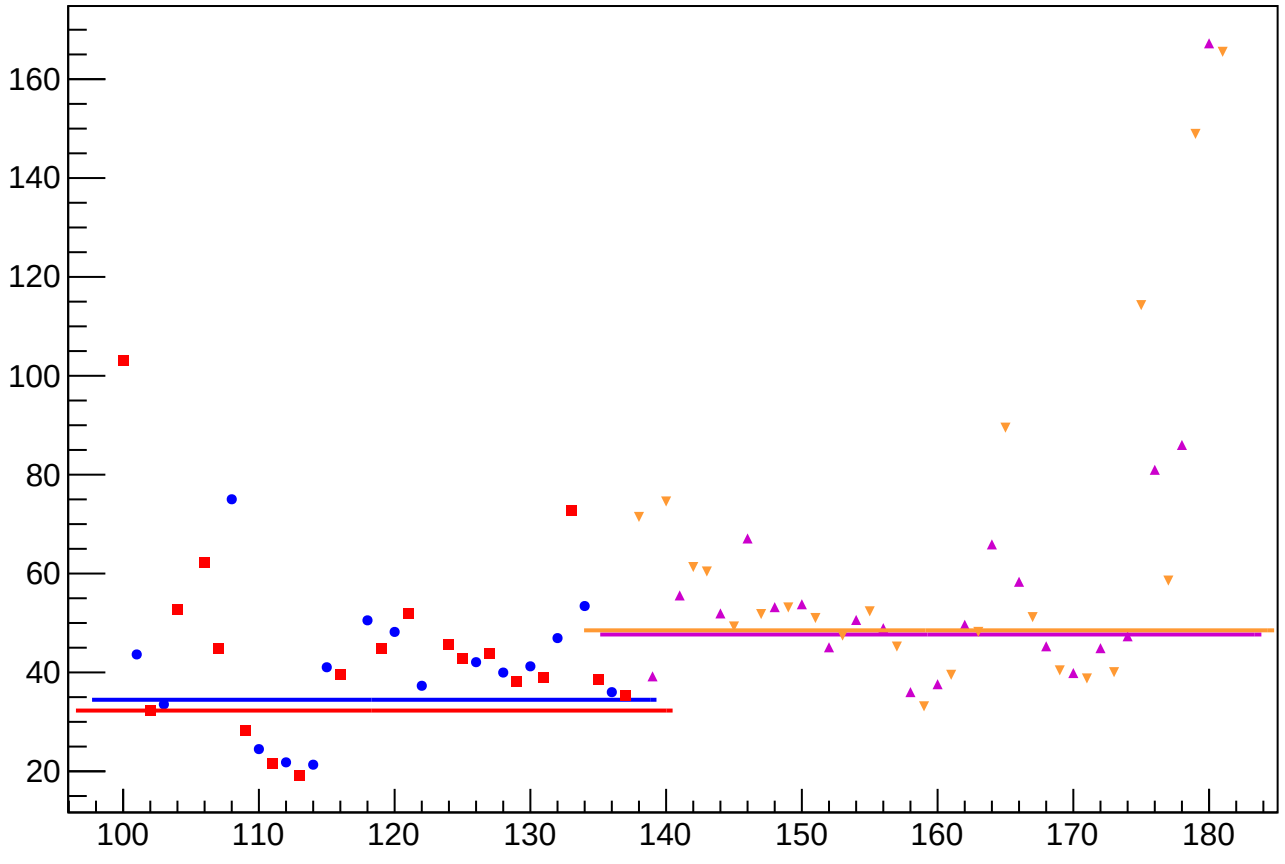
Left In: 47.674+/-0.009 χ^2/NDF:2058637.7/20

+ sign 42.317+/-0.007 χ^2/NDF: 5584096.7/38

All: 41.339+/-0.005 χ^2/NDF: 10810373.0/78

- sign 40.405+/-0.006 χ^2/NDF: 5182390.4/39


asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
100
110
120
130
140
150
160
170
180
Right In: 0.035+/-0.014 χ²/NDF: 16.9/15
Left Out: 0.002+/-0.012 χ²/NDF:29.5/22
Right Out: 0.019+/-0.013 χ²/NDF: 13.4/18
Left In: -0.002+/-0.012 χ²/NDF:24.9/20
+ sign 0.017+/-0.009 χ²/NDF: 49.8/38
All: 0.012+/-0.006 χ²/NDF: 89.9/78
- sign 0.008+/-0.009 χ²/NDF: 39.7/39



Right In: 34.469+/-0.010 χ^2/NDF: 1171158.4/15

Left Out: 48.513+/-0.009 χ^2/NDF:3270557.2/22

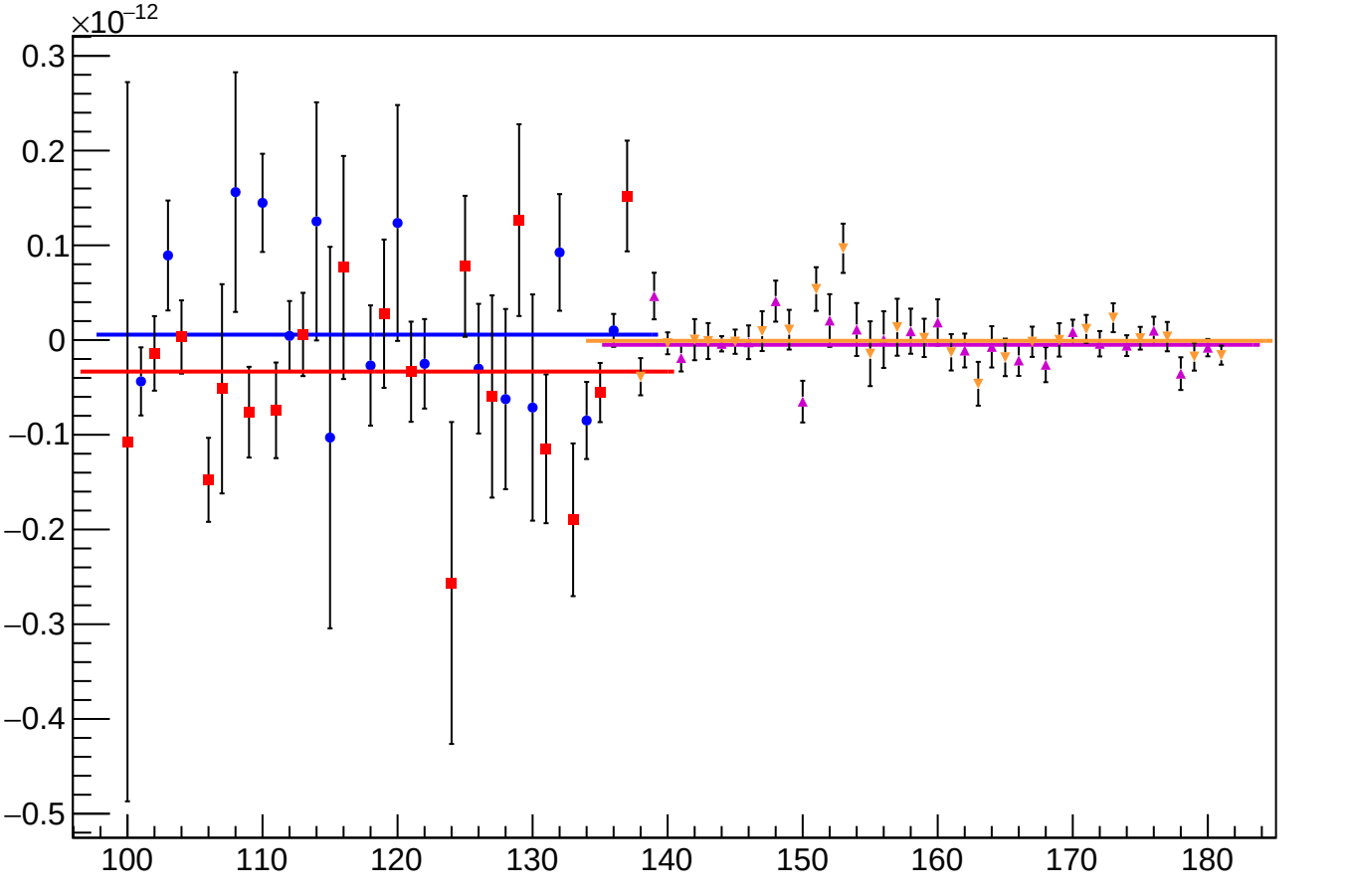
Right Out: 32.285+/-0.009 χ^2/NDF: 1672606.5/18

Left In: 47.674+/-0.009 χ^2/NDF:2058637.7/20

+ sign 42.317+/-0.007 χ^2/NDF: 5584096.7/38

All: 41.339+/-0.005 χ^2/NDF: 10810373.0/78

- sign 40.405+/-0.006 χ^2/NDF: 5182390.4/39



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:36.5/22

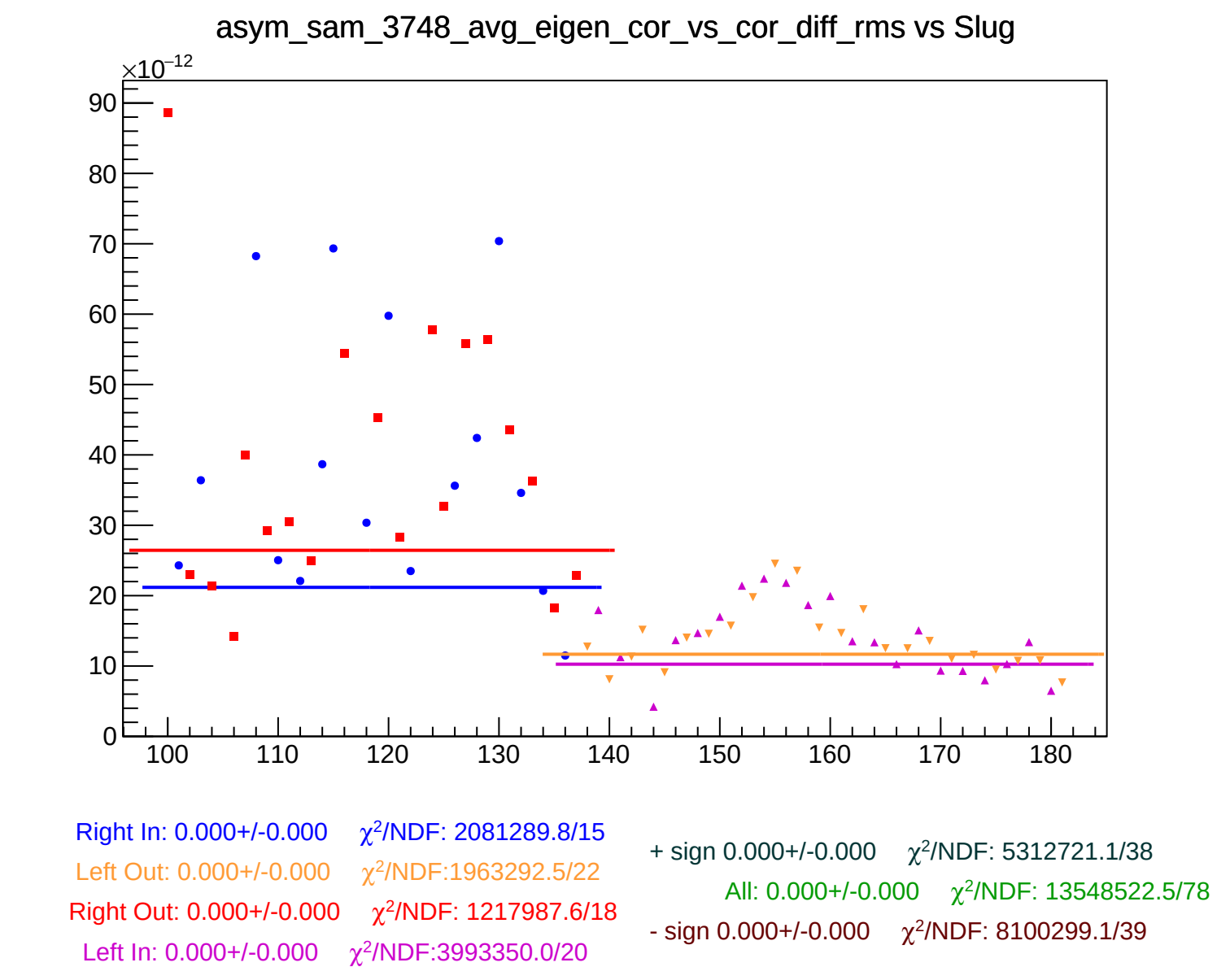
Right Out: -0.000+/-0.000 χ^2/NDF: 33.5/18

Left In: -0.000+/-0.000 χ^2/NDF:27.6/20

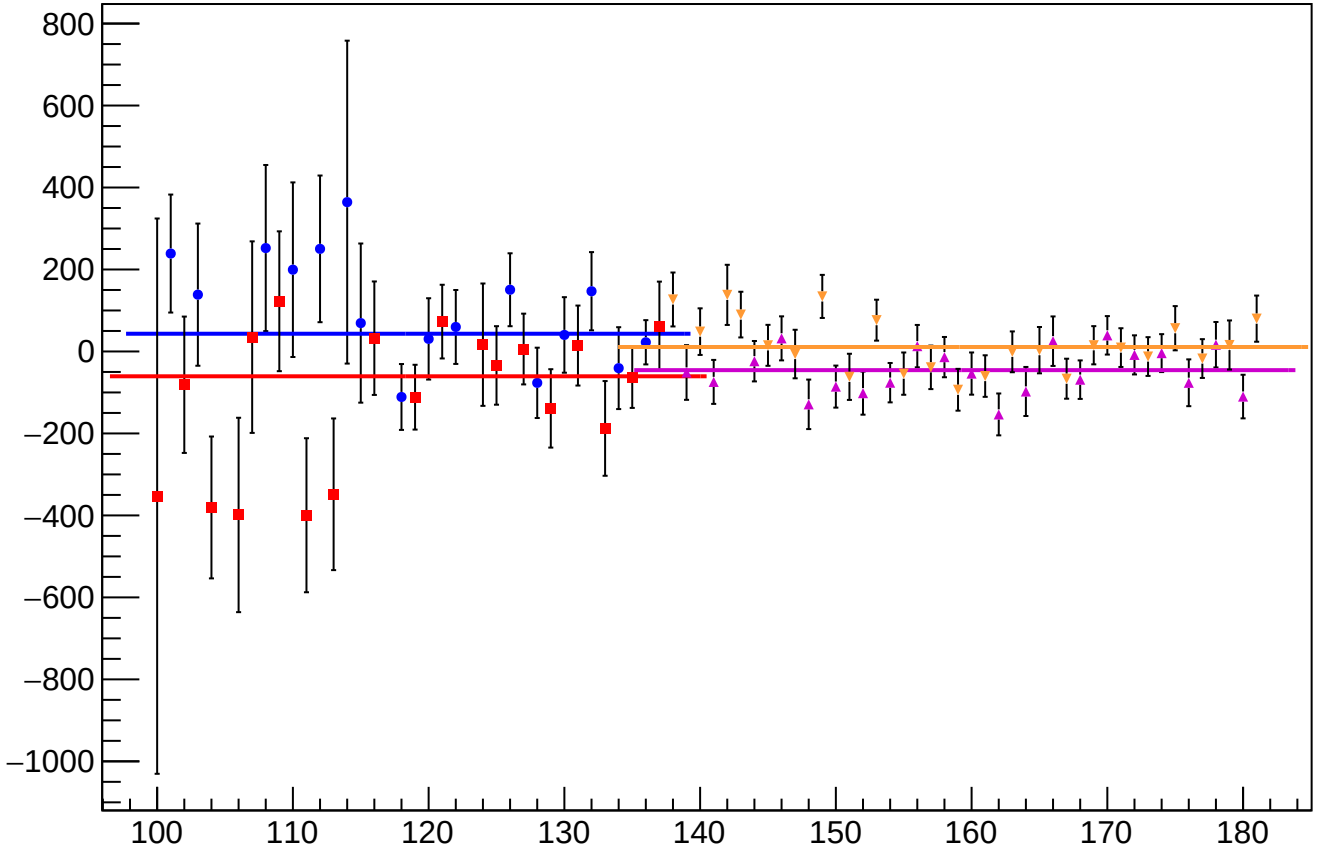
+ sign -0.000+/-0.000 χ^2/NDF: 60.4/38

All: -0.000+/-0.000 χ^2/NDF: 127.8/78

- sign -0.000+/-0.000 χ^2/NDF: 65.5/39


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:1963292.5/22
Right Out: 0.000+/-0.000 χ²/NDF: 1217987.6/18
Left In: 0.000+/-0.000 χ²/NDF:3993350.0/20
+ sign 0.000+/-0.000 χ²/NDF: 5312721.1/38
All: 0.000+/-0.000 χ²/NDF: 13548522.5/78
- sign 0.000+/-0.000 χ²/NDF: 8100299.1/39

reg_asym_sam_1526_avg_mean vs Slug



Right In: 43.247+/-25.781 χ^2/NDF: 15.0/15

Left Out: 10.885+/-11.048 χ^2/NDF:31.6/22

Right Out: -60.582+/-26.894 χ^2/NDF: 20.4/18

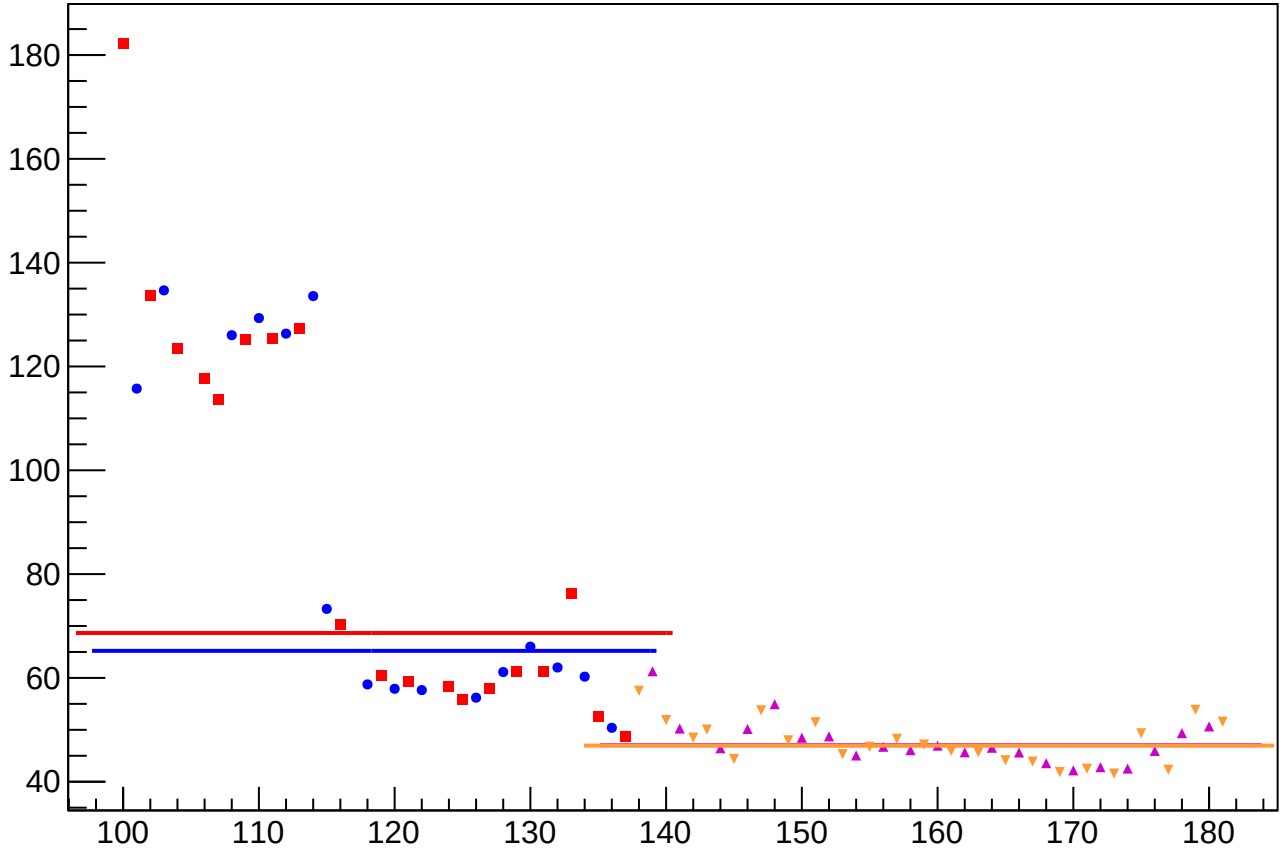
Left In: -45.577+/-11.409 χ^2/NDF:22.9/20

+ sign 15.906+/-10.155 χ^2/NDF: 47.9/38

All: -14.906+/-7.301 χ^2/NDF: 110.5/78

- sign -47.866+/-10.503 χ^2/NDF: 43.6/39

reg_asym_sam_1526_avg_rms vs Slug



Right In: 65.212+/-0.018 χ^2/NDF: 1446504.6/15

Left Out: 46.958+/-0.008 χ^2/NDF:268228.4/22

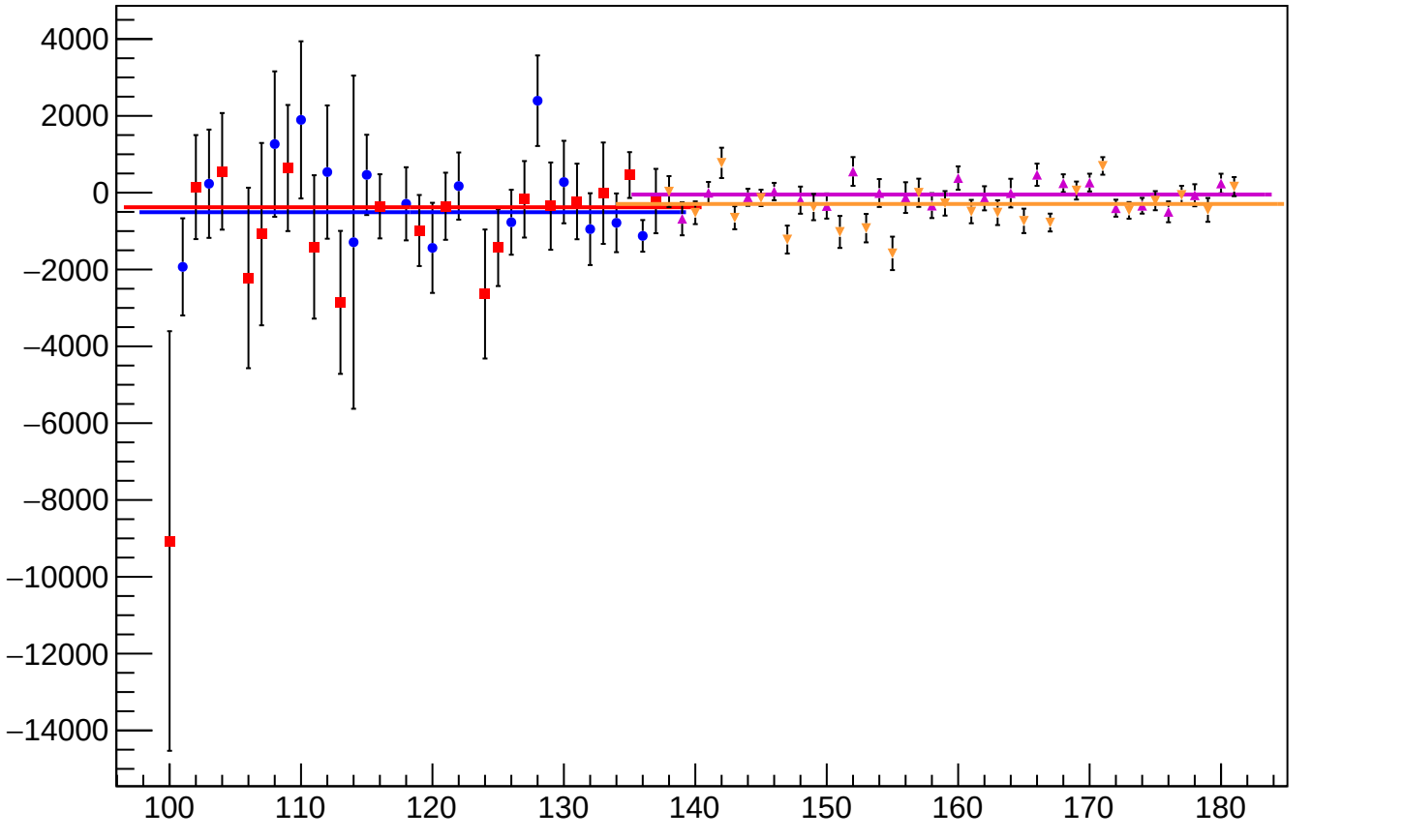
Right Out: 68.656+/-0.019 χ^2/NDF: 1640900.1/18

Left In: 47.039+/-0.008 χ^2/NDF:230544.8/20

+ sign 49.790+/-0.007 χ^2/NDF: 2561880.8/38

All: 50.054+/-0.005 χ^2/NDF: 5531165.6/78

- sign 50.336+/-0.007 χ^2/NDF: 2966491.9/39



Right In: -507.928+/-236.945 χ^2/NDF: 15.6/15

Left Out: -293.659+/-60.113 χ^2/NDF:65.8/22

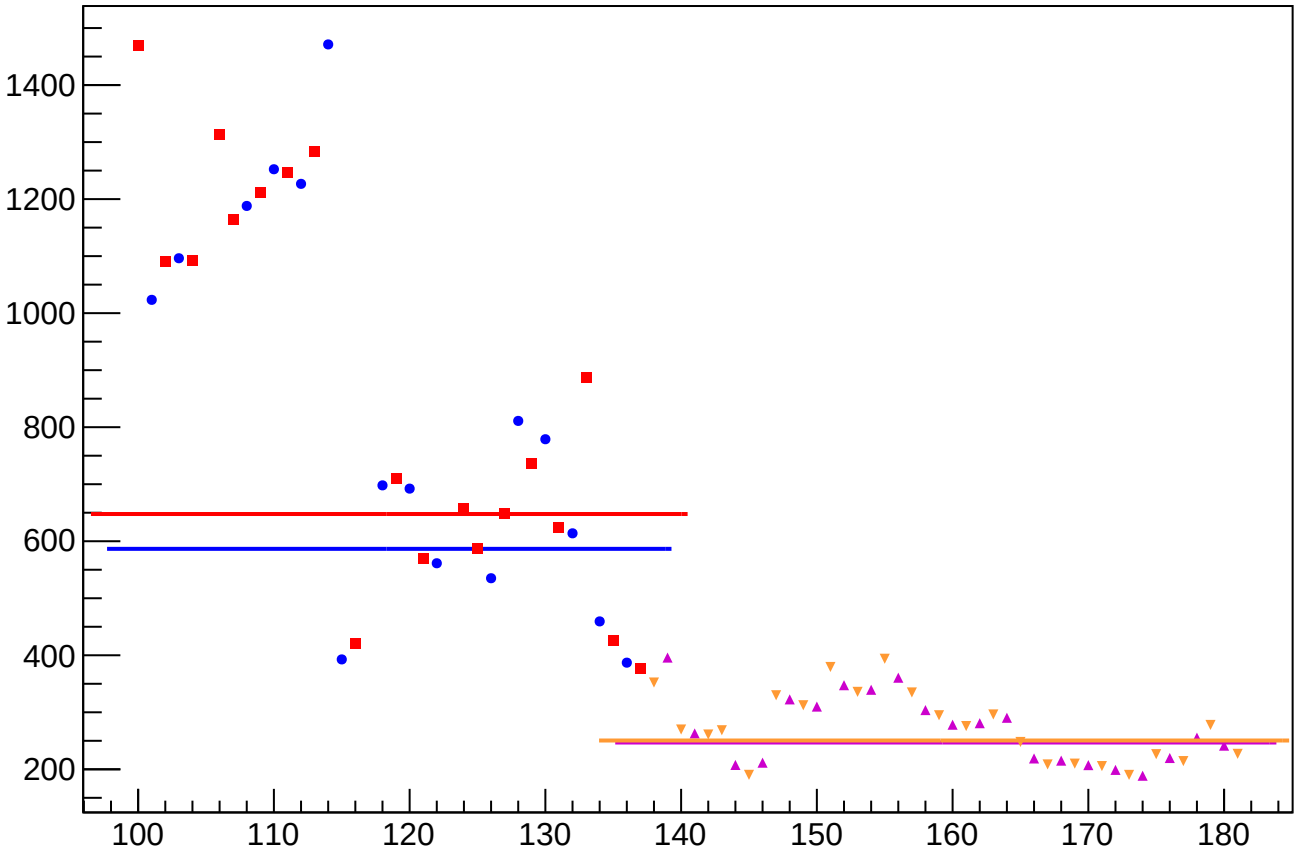
Right Out: -378.892+/-256.407 χ^2/NDF: 11.7/18

Left In: -48.144+/-61.056 χ^2/NDF:24.1/20

+ sign -306.617+/-58.267 χ^2/NDF: 82.2/38

All: -188.563+/-41.594 χ^2/NDF: 128.0/78

- sign -65.892+/-59.396 χ^2/NDF: 37.4/39



Right In: 586.645+/-0.168 χ^2/NDF: 2053133.2/15

Left Out: 250.523+/-0.043 χ^2/NDF:1632320.1/22

Right Out: 647.736+/-0.181 χ^2/NDF: 2105638.0/18

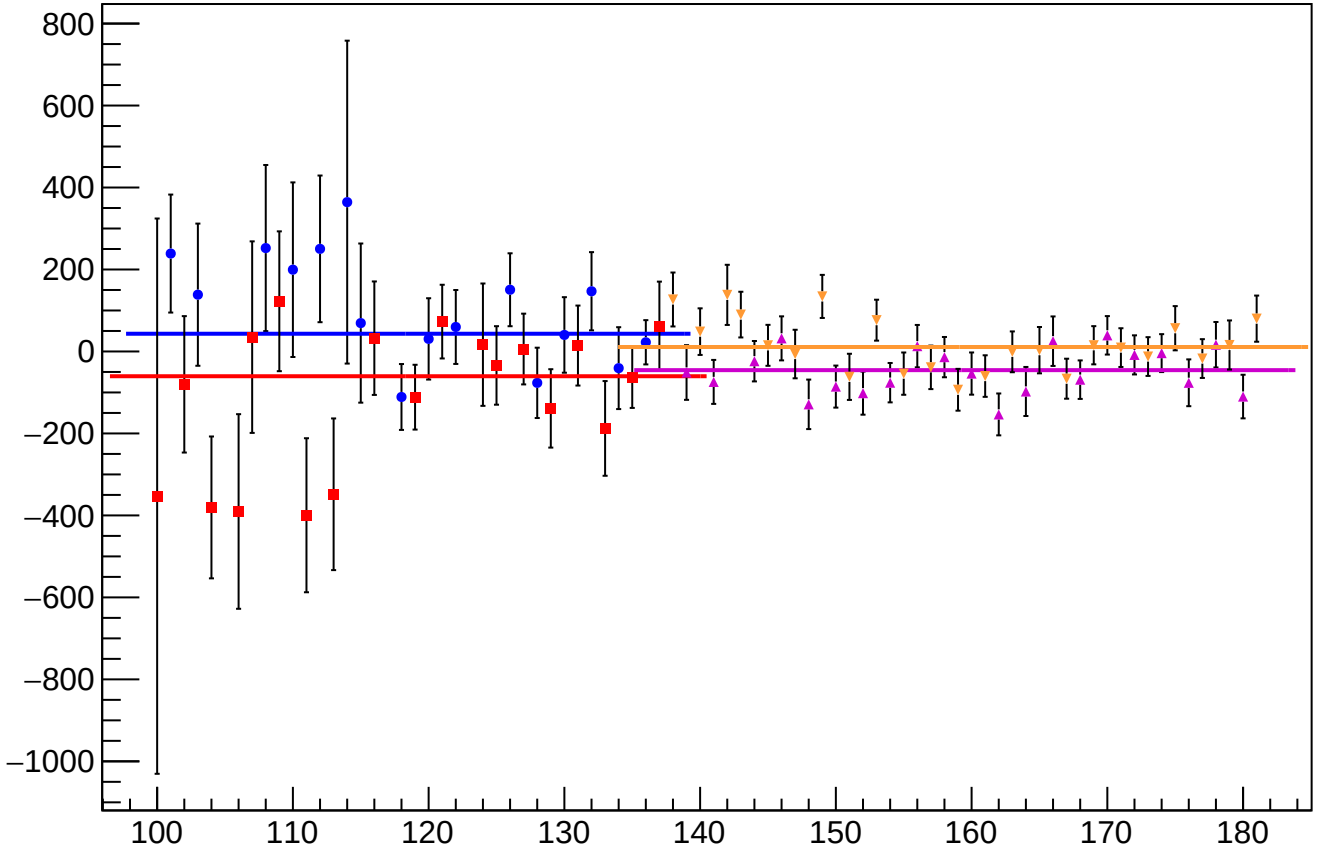
Left In: 246.986+/-0.043 χ^2/NDF:1483593.3/20

+ sign 270.849+/-0.041 χ^2/NDF: 7466747.7/38

All: 269.692+/-0.029 χ^2/NDF: 15681005.0/78

- sign 268.491+/-0.042 χ^2/NDF: 8212650.7/39

cor_asym_sam_1526_avg_mean vs Slug



Right In: 43.239+/-25.781 χ^2/NDF: 15.0/15

Left Out: 10.886+/-11.048 χ^2/NDF:31.6/22

Right Out: -60.432+/-26.895 χ^2/NDF: 20.3/18

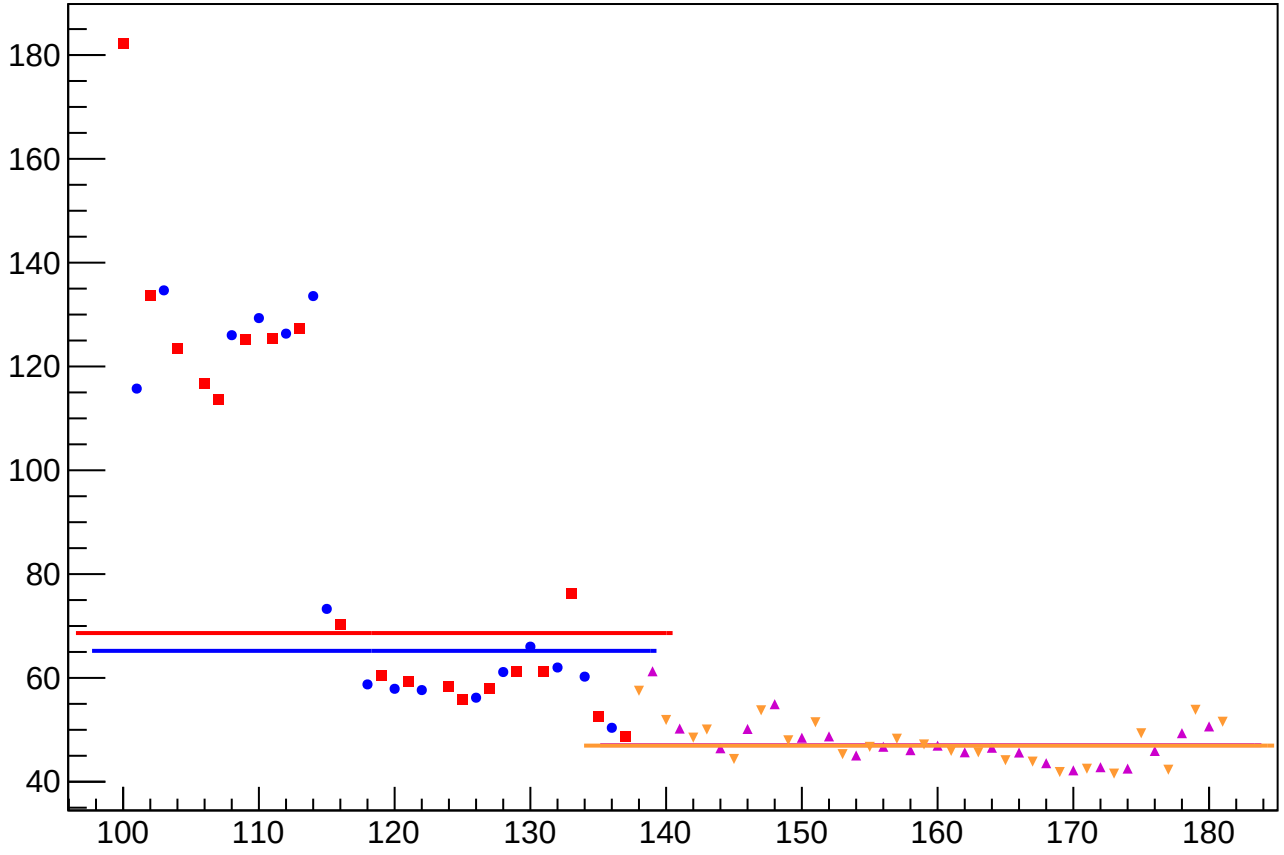
Left In: -45.576+/-11.409 χ^2/NDF:22.9/20

+ sign 15.906+/-10.155 χ^2/NDF: 47.9/38

All: -14.894+/-7.301 χ^2/NDF: 110.4/78

- sign -47.842+/-10.503 χ^2/NDF: 43.5/39

cor_asym_sam_1526_avg_rms vs Slug



Right In: 65.212+/-0.018 χ^2/NDF: 1446506.9/15

Left Out: 46.958+/-0.008 χ^2/NDF:268228.4/22

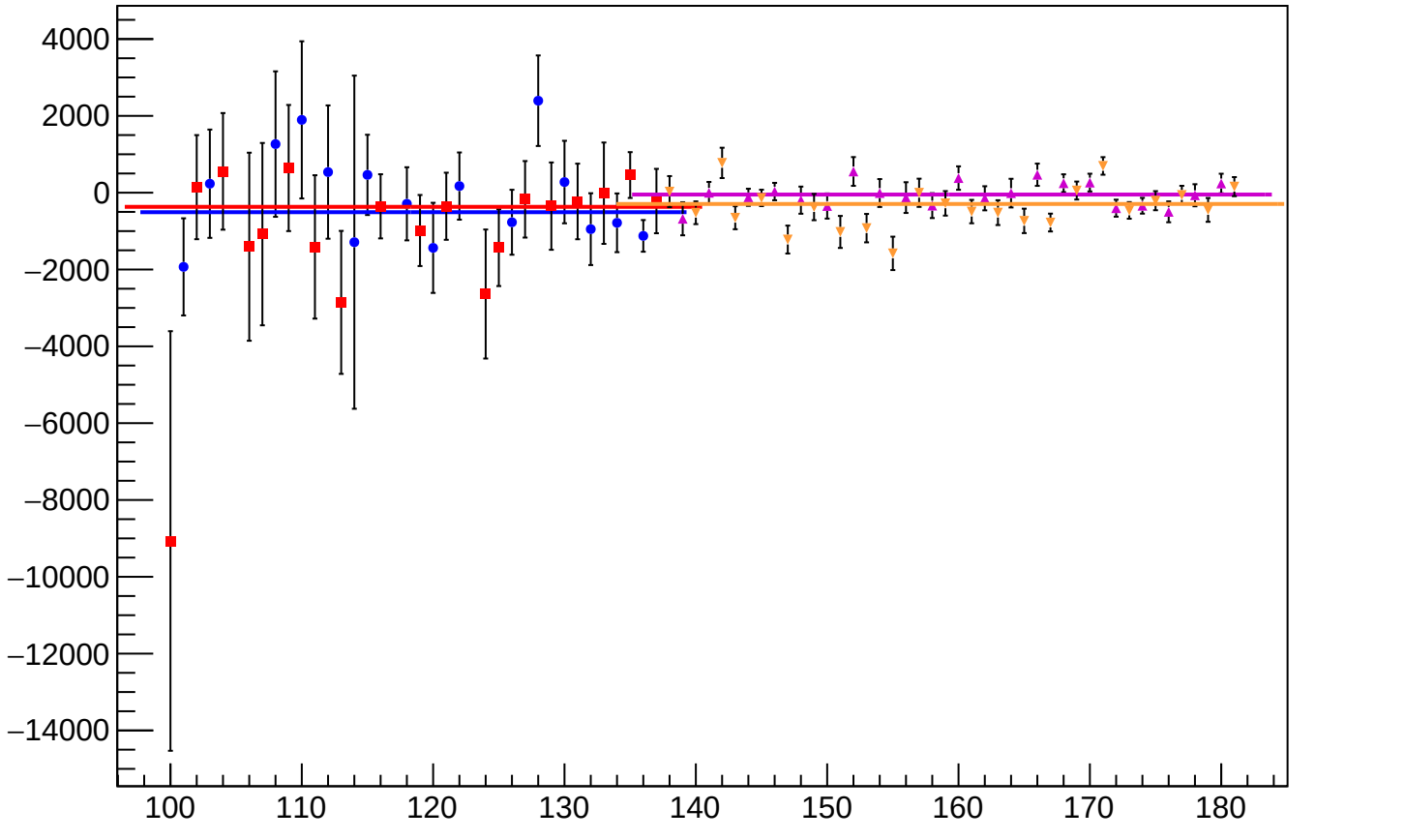
Right Out: 68.642+/-0.019 χ^2/NDF: 1637558.1/18

Left In: 47.039+/-0.008 χ^2/NDF:230544.8/20

+ sign 49.790+/-0.007 χ^2/NDF: 2561882.8/38

All: 50.053+/-0.005 χ^2/NDF: 5526287.3/78

- sign 50.334+/-0.007 χ^2/NDF: 2961635.7/39



Right In: -507.911+/-236.945 χ^2/NDF: 15.6/15

Left Out: -293.657+/-60.113 χ^2/NDF:65.8/22

Right Out: -368.334+/-256.534 χ^2/NDF: 11.3/18

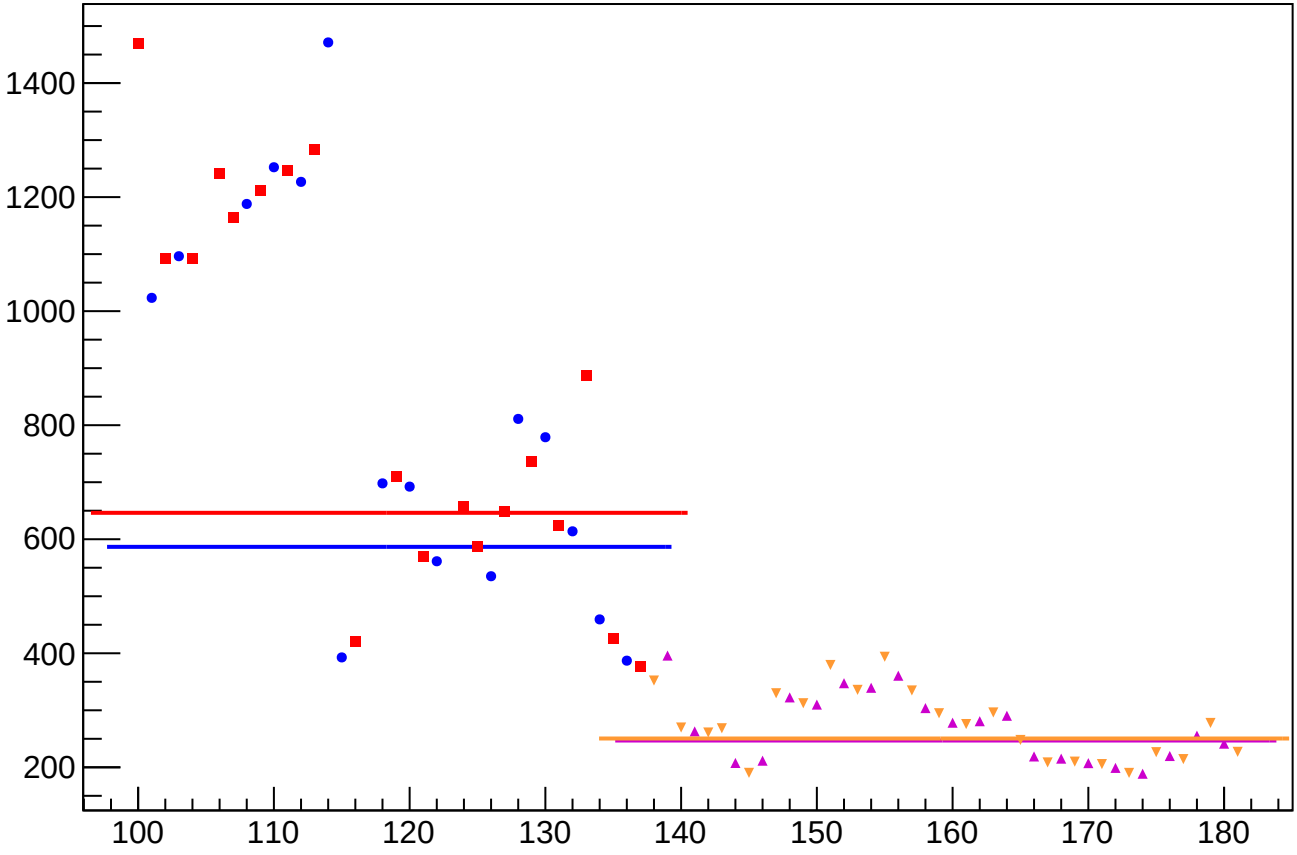
Left In: -48.141+/-61.056 χ^2/NDF:24.1/20

+ sign -306.613+/-58.267 χ^2/NDF: 82.2/38

All: -188.277+/-41.595 χ^2/NDF: 127.5/78

- sign -65.306+/-59.397 χ^2/NDF: 36.9/39

asym_sam_1526_avg_cor_correction_rms vs Slug



Right In: 586.645+/-0.168 χ^2/NDF: 2053169.7/15

Left Out: 250.523+/-0.043 χ^2/NDF:1632330.3/22

Right Out: 646.328+/-0.181 χ^2/NDF: 2063185.3/18

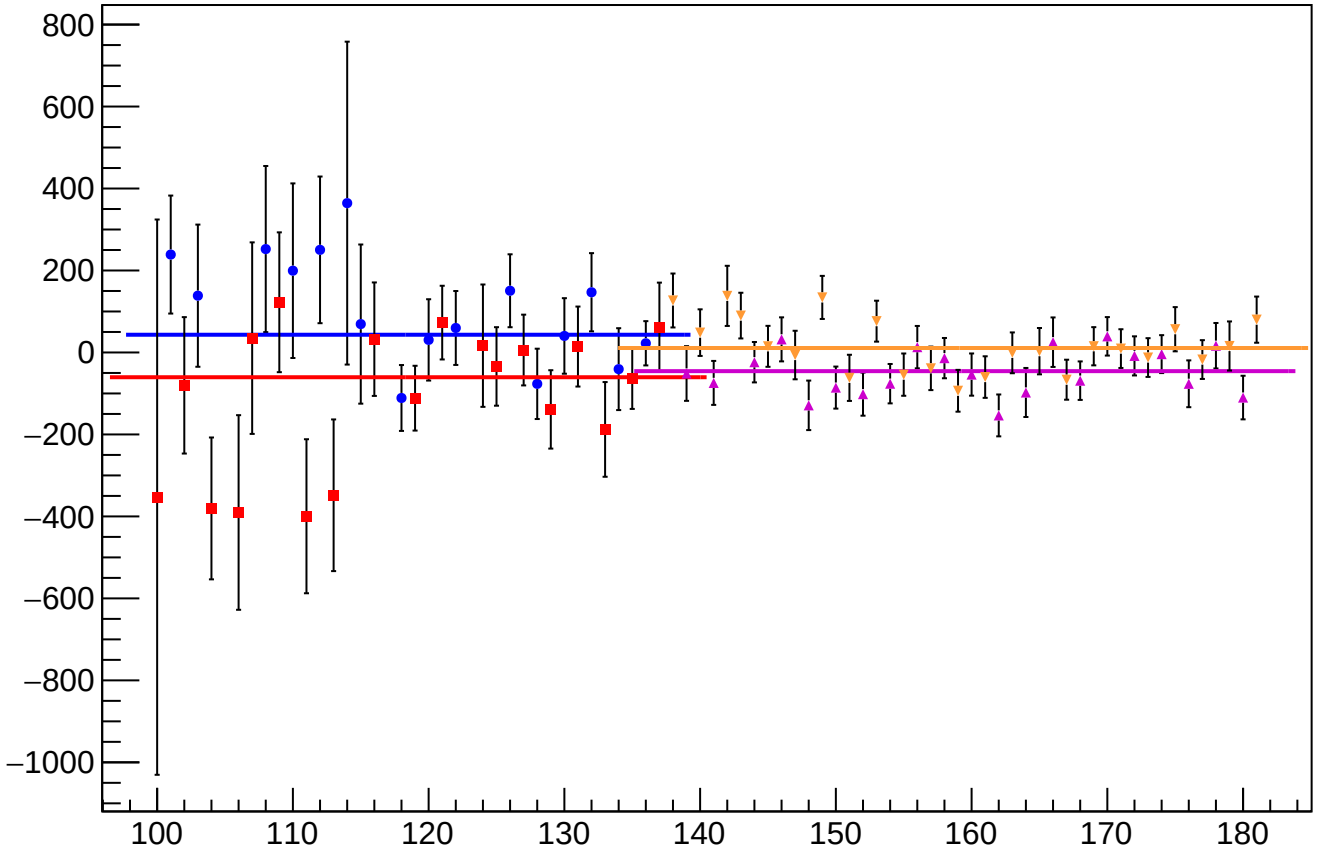
Left In: 246.987+/-0.043 χ^2/NDF:1483588.0/20

\+ sign 270.849+/-0.041 χ^2/NDF: 7466782.7/38

All: 269.645+/-0.029 χ^2/NDF: 15601980.5/78

\- sign 268.395+/-0.042 χ^2/NDF: 8133458.9/39

eigen_cor_asym_sam_1526_avg_mean vs Slug



Right In: 43.239+/-25.781 χ^2/NDF: 15.0/15

Left Out: 10.886+/-11.048 χ^2/NDF:31.6/22

Right Out: -60.432+/-26.895 χ^2/NDF: 20.3/18

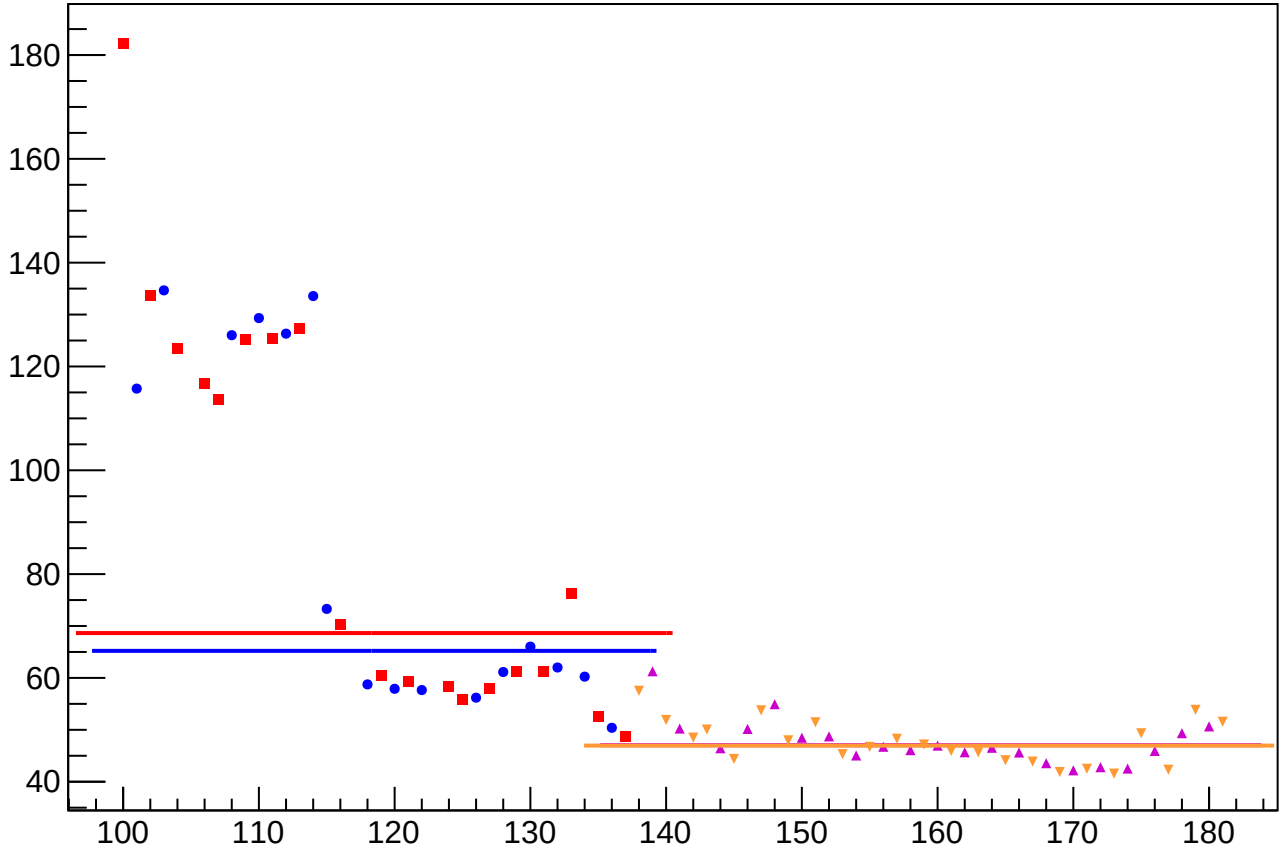
Left In: -45.576+/-11.409 χ^2/NDF:22.9/20

+ sign 15.906+/-10.155 χ^2/NDF: 47.9/38

All: -14.894+/-7.301 χ^2/NDF: 110.4/78

- sign -47.842+/-10.503 χ^2/NDF: 43.5/39

eigen_cor_asym_sam_1526_avg_rms vs Slug



Right In: 65.212+/-0.018 χ^2/NDF: 1446506.9/15

Left Out: 46.958+/-0.008 χ^2/NDF:268228.4/22

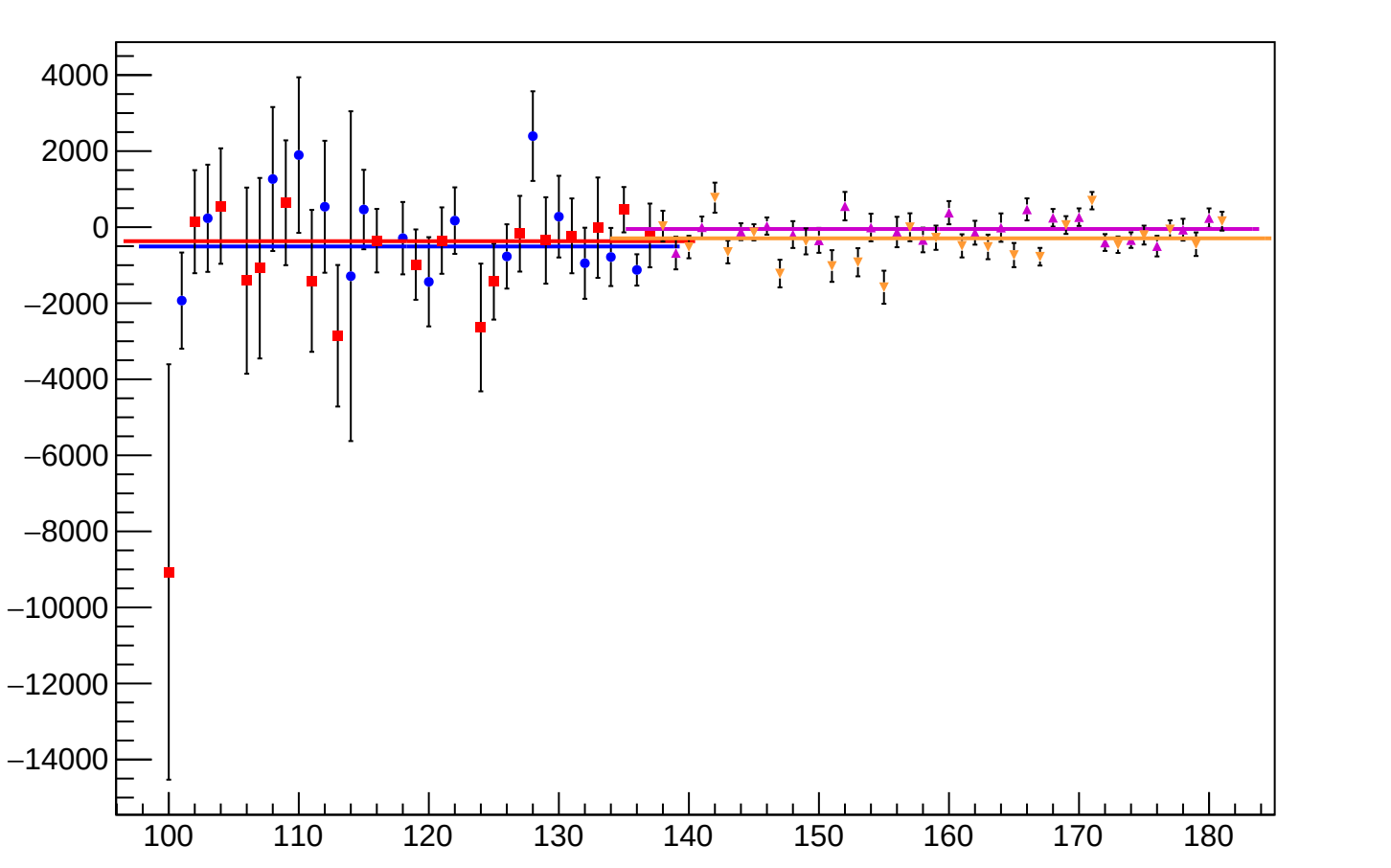
Right Out: 68.642+/-0.019 χ^2/NDF: 1637558.1/18

Left In: 47.039+/-0.008 χ^2/NDF:230544.8/20

+ sign 49.790+/-0.007 χ^2/NDF: 2561882.8/38

All: 50.053+/-0.005 χ^2/NDF: 5526287.3/78

- sign 50.334+/-0.007 χ^2/NDF: 2961635.7/39



Right In: -507.911+/-236.945 χ^2/NDF: 15.6/15

Left Out: -293.657+/-60.113 χ^2/NDF:65.8/22

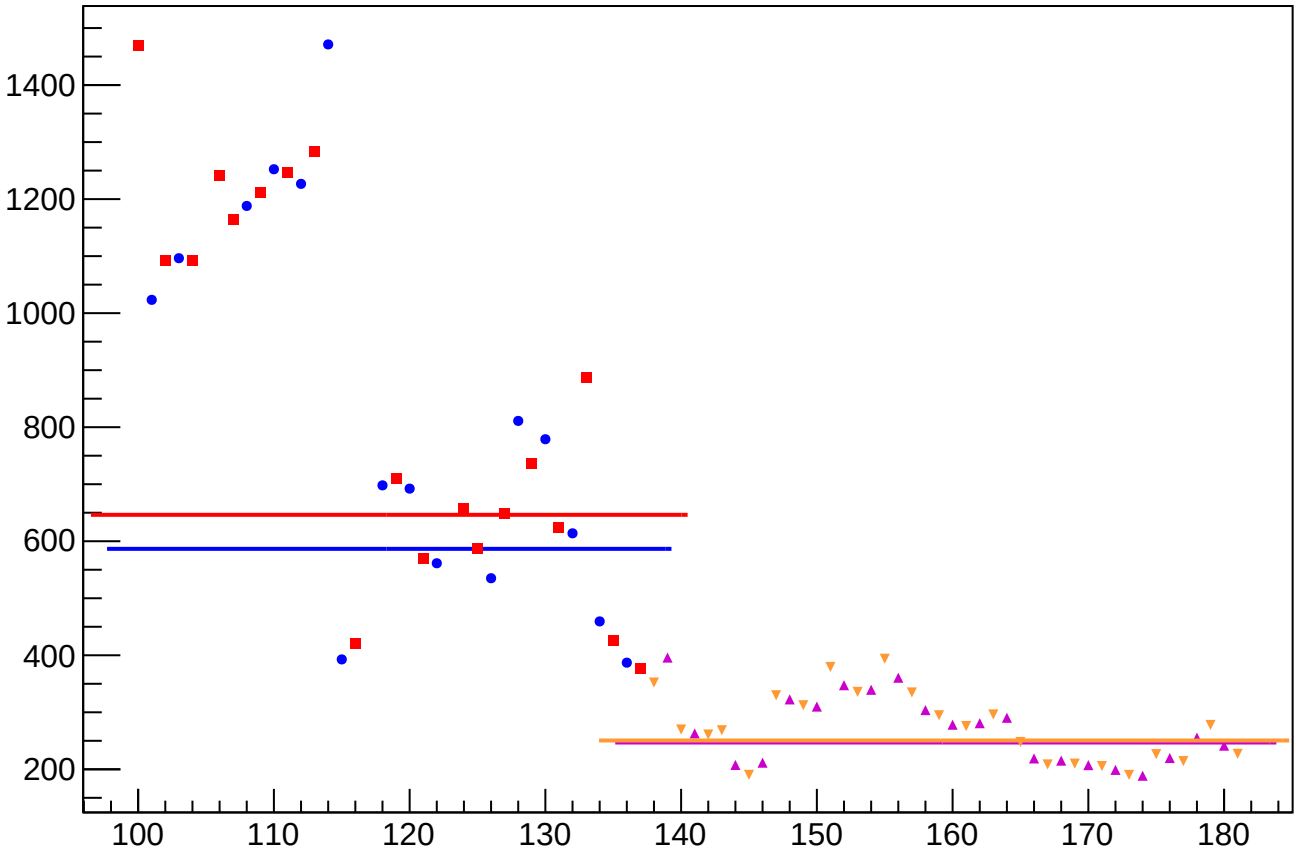
Right Out: -368.334+/-256.534 χ^2/NDF: 11.3/18

Left In: -48.141+/-61.056 χ^2/NDF:24.1/20

+ sign -306.613+/-58.267 χ^2/NDF: 82.2/38

All: -188.277+/-41.595 χ^2/NDF: 127.5/78

- sign -65.306+/-59.397 χ^2/NDF: 36.9/39



Right In: 586.645+/-0.168 χ^2/NDF: 2053169.7/15

Left Out: 250.523+/-0.043 χ^2/NDF:1632330.3/22

Right Out: 646.328+/-0.181 χ^2/NDF: 2063185.3/18

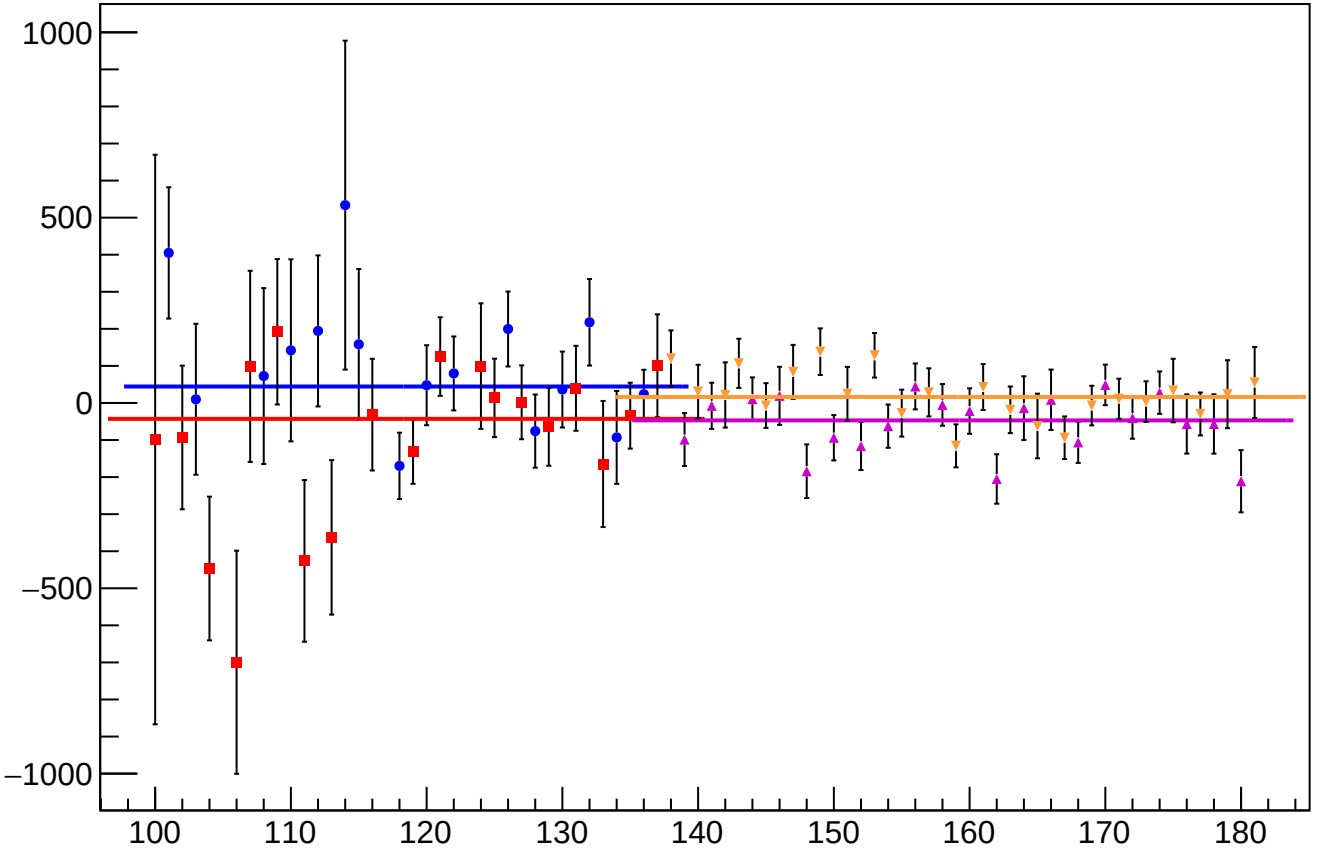
Left In: 246.987+/-0.043 χ^2/NDF:1483588.0/20

+ sign 270.849+/-0.041 χ^2/NDF: 7466782.7/38

All: 269.645+/-0.029 χ^2/NDF: 15601980.5/78

- sign 268.395+/-0.042 χ^2/NDF: 8133458.9/39

dit_asym_sam_1526_avg_mean vs Slug



Right In: 44.387+/-29.909 χ^2/NDF: 19.6/15

Left Out: 16.151+/-13.698 χ^2/NDF:23.8/22

Right Out: -42.901+/-31.248 χ^2/NDF: 23.3/18

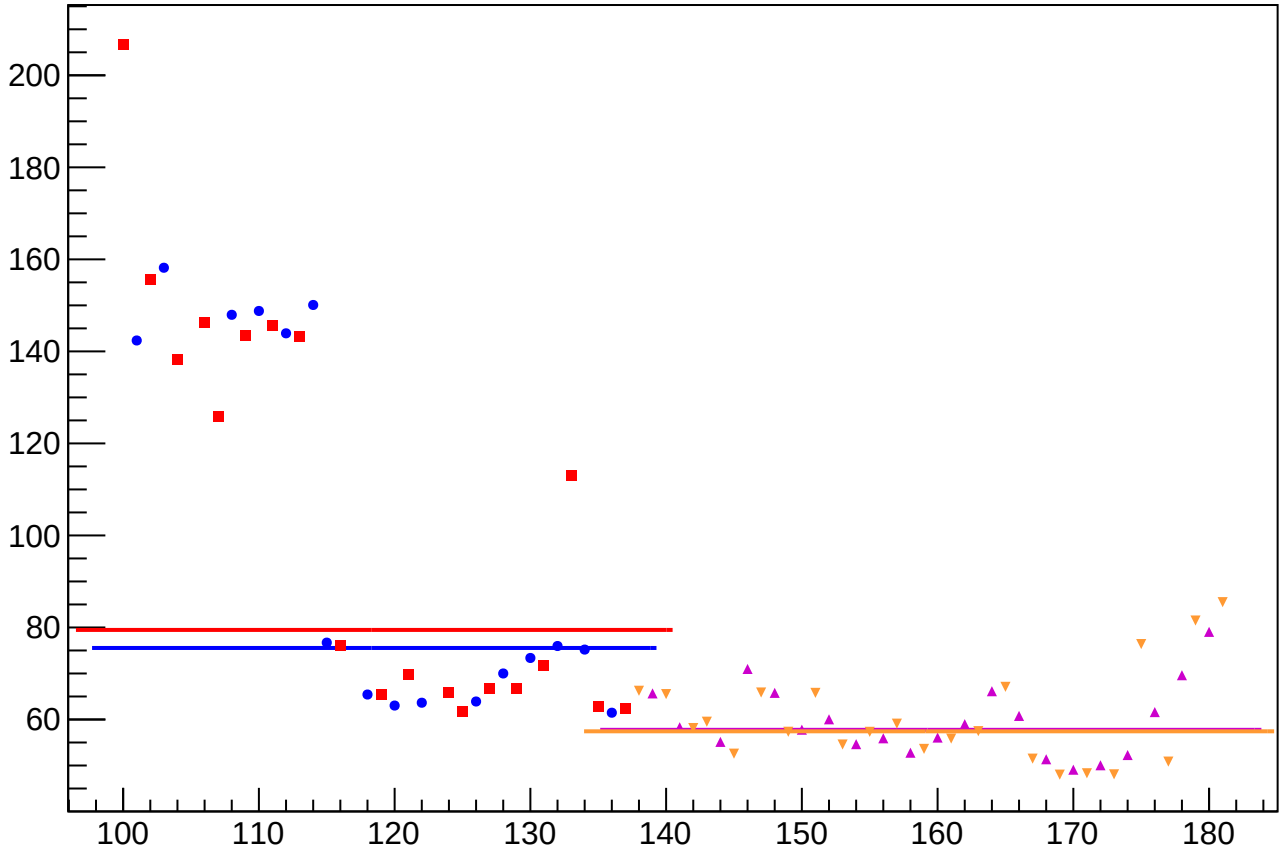
Left In: -46.985+/-14.159 χ^2/NDF:26.9/20

+ sign 21.047+/-12.454 χ^2/NDF: 44.2/38

All: -11.445+/-8.959 χ^2/NDF: 108.5/78

- sign -46.289+/-12.897 χ^2/NDF: 50.2/39

dit_asym_sam_1526_avg_rms vs Slug



Right In: 75.544+/-0.021 χ^2/NDF: 1465550.9/15

Left Out: 57.432+/-0.010 χ^2/NDF:793530.7/22

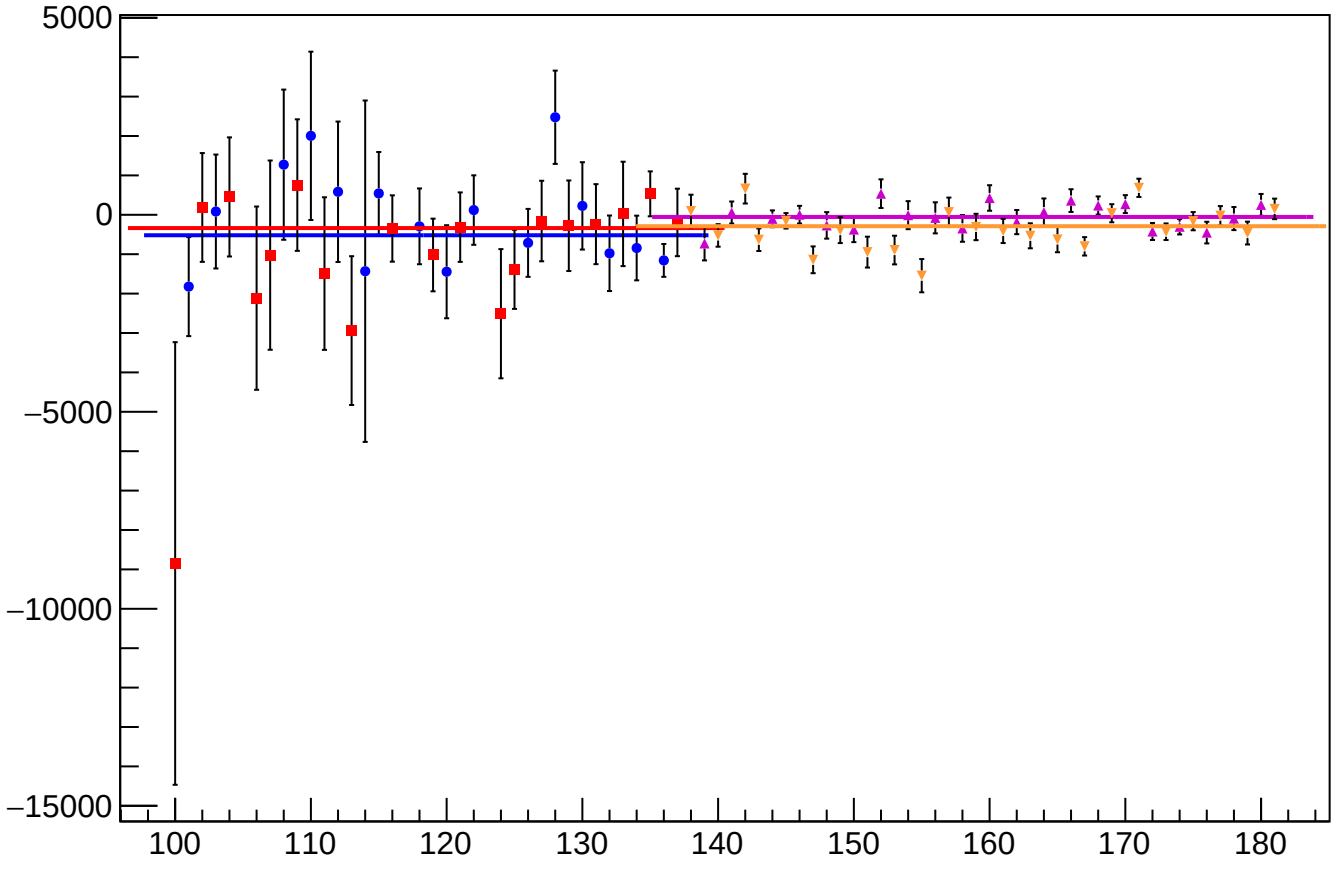
Right Out: 79.465+/-0.022 χ^2/NDF: 1683634.3/18

Left In: 57.754+/-0.010 χ^2/NDF:470072.2/20

+ sign 60.573+/-0.009 χ^2/NDF: 2865387.4/38

All: 60.997+/-0.006 χ^2/NDF: 5824935.8/78

- sign 61.453+/-0.009 χ^2/NDF: 2954729.6/39



Right In: -519.250+/-241.317 χ^2/NDF: 15.8/15

Left Out: -289.541+/-58.924 χ^2/NDF:63.2/22

Right Out: -336.731+/-256.618 χ^2/NDF: 11.9/18

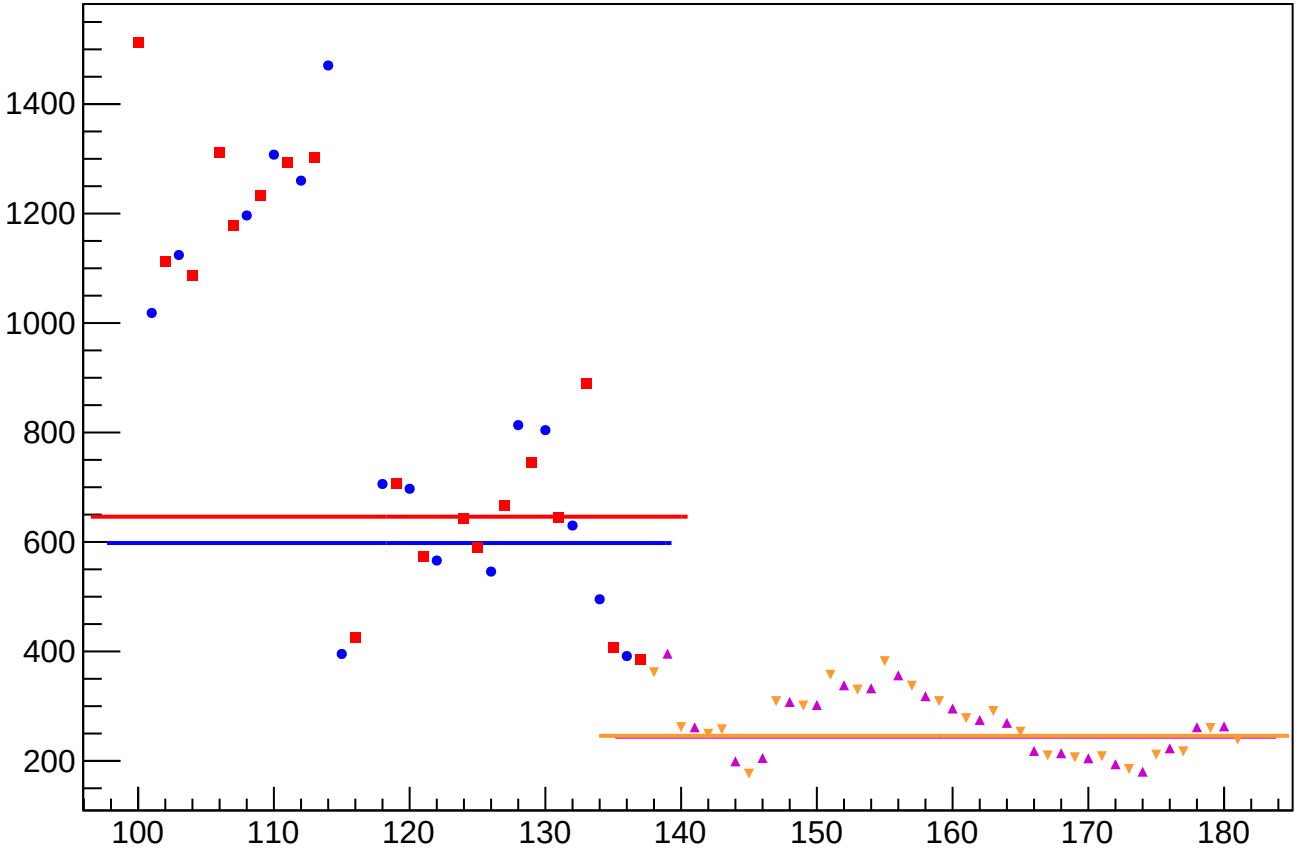
Left In: -54.849+/-60.477 χ^2/NDF:23.6/20

+ sign -302.466+/-57.242 χ^2/NDF: 79.8/38

All: -189.326+/-41.038 χ^2/NDF: 124.5/78

- sign -69.681+/-58.865 χ^2/NDF: 36.7/39

asym_sam_1526_avg_dit_correction_rms vs Slug



Right In: 598.044+/-0.171 χ^2/NDF: 2047825.1/15

Left Out: 245.821+/-0.042 χ^2/NDF:1679957.0/22

Right Out: 646.190+/-0.181 χ^2/NDF: 2205437.4/18

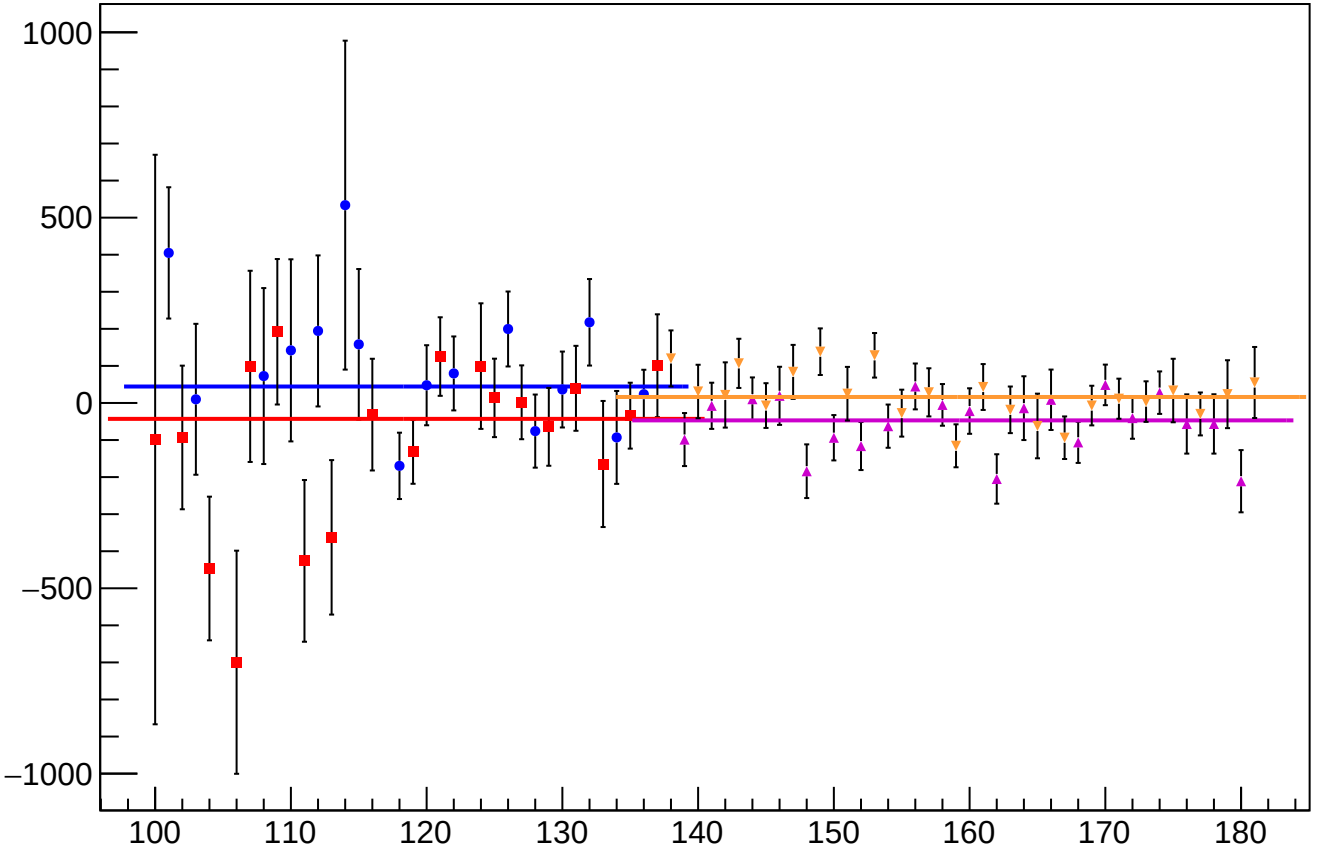
Left In: 244.209+/-0.043 χ^2/NDF:1596275.3/20

+ sign 265.640+/-0.040 χ^2/NDF: 7748842.5/38

All: 265.504+/-0.029 χ^2/NDF: 16199935.9/78

- sign 265.360+/-0.042 χ^2/NDF: 8451070.3/39

eigen_dit_asym_sam_1526_avg_mean vs Slug



Right In: 44.389+/-29.908 χ^2/NDF: 19.6/15

Left Out: 16.150+/-13.698 χ^2/NDF:23.8/22

Right Out: -42.900+/-31.248 χ^2/NDF: 23.3/18

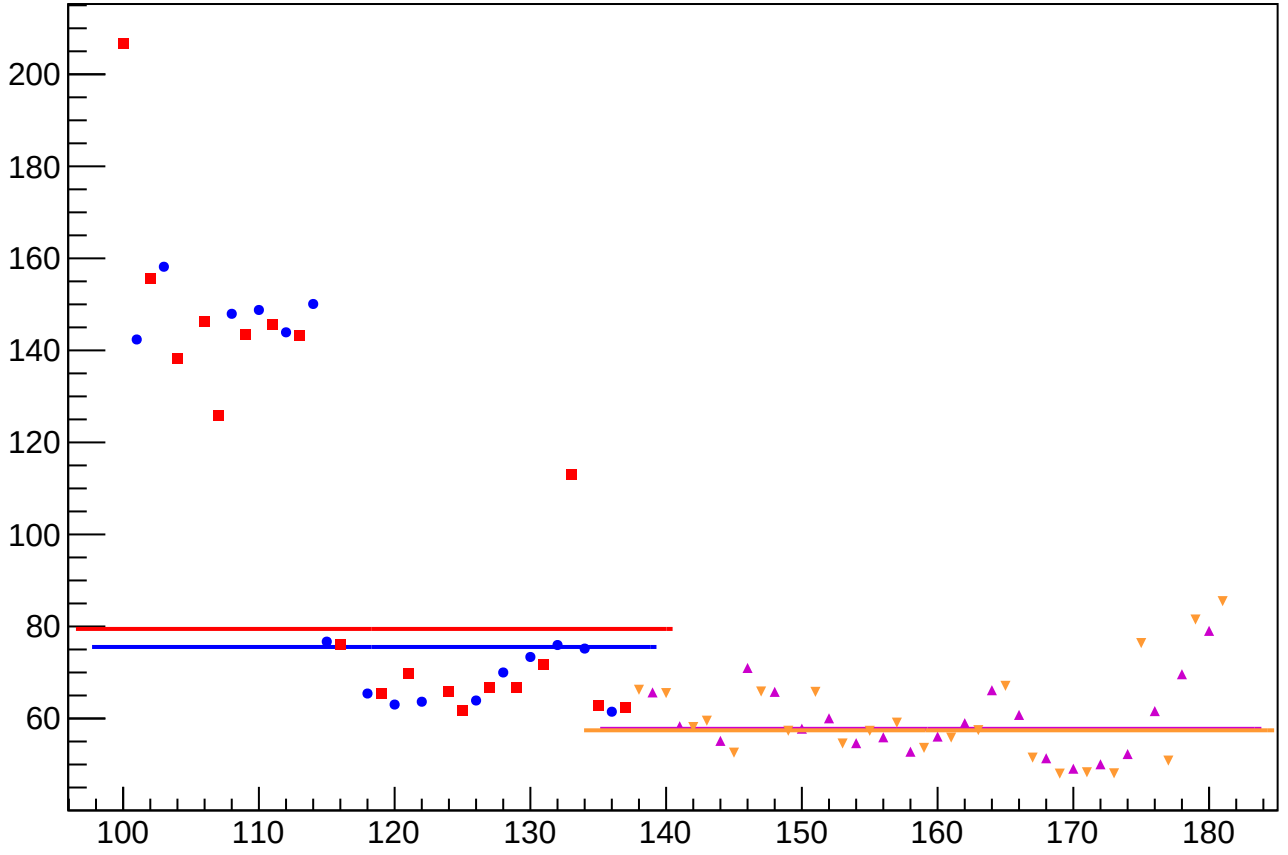
Left In: -46.984+/-14.159 χ^2/NDF:26.9/20

+ sign 21.047+/-12.454 χ^2/NDF: 44.2/38

All: -11.445+/-8.959 χ^2/NDF: 108.5/78

- sign -46.288+/-12.897 χ^2/NDF: 50.2/39

eigen_dit_asym_sam_1526_avg_rms vs Slug



Right In: 75.544+/-0.021 χ^2/NDF: 1465535.8/15

Left Out: 57.432+/-0.010 χ^2/NDF:793535.3/22

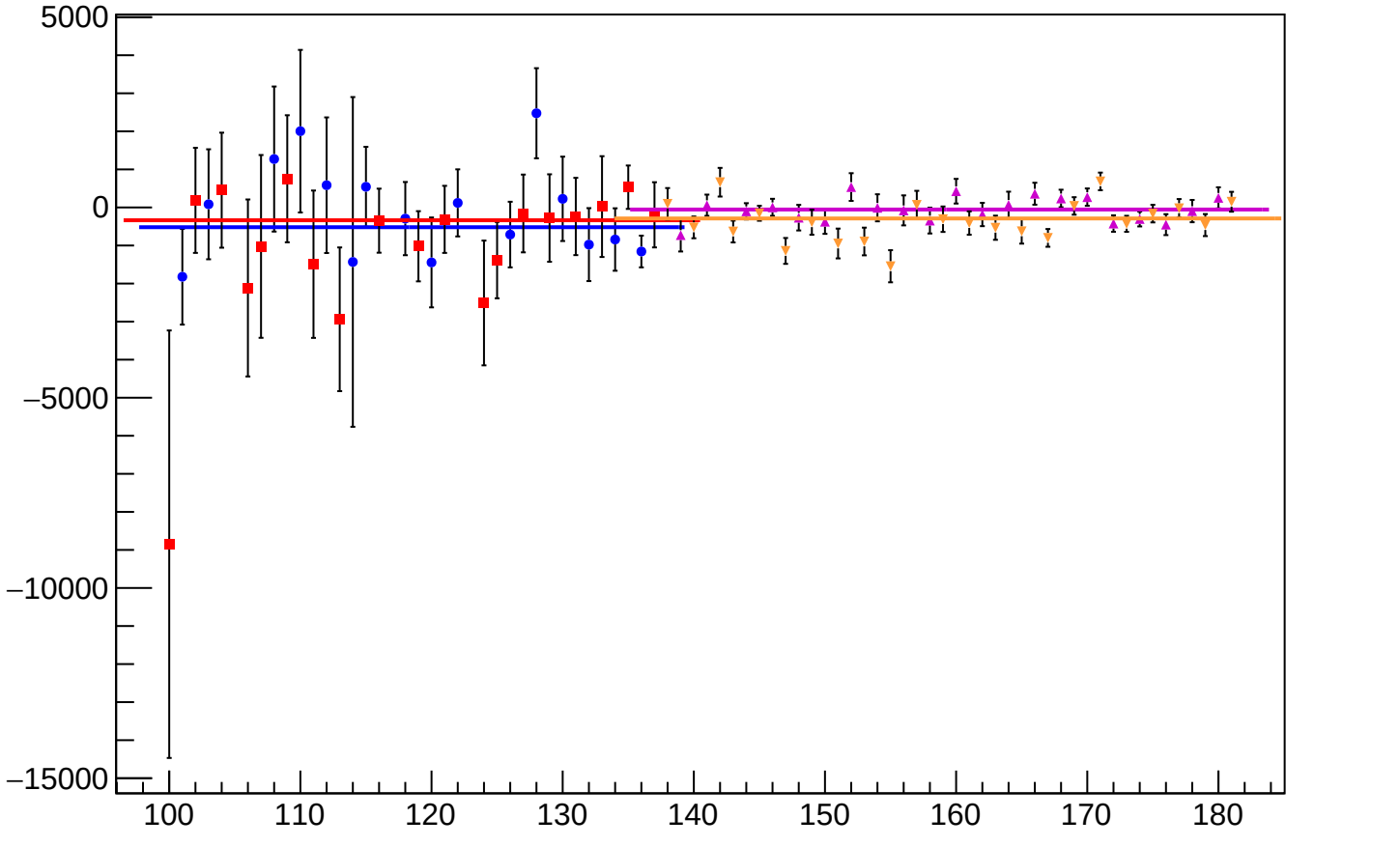
Right Out: 79.465+/-0.022 χ^2/NDF: 1683627.3/18

Left In: 57.754+/-0.010 χ^2/NDF:470065.1/20

+ sign 60.573+/-0.009 χ^2/NDF: 2865354.5/38

All: 60.997+/-0.006 χ^2/NDF: 5824860.4/78

- sign 61.453+/-0.009 χ^2/NDF: 2954686.2/39



Right In: -519.247+/-241.316 χ^2/NDF: 15.8/15

Left Out: -289.540+/-58.924 χ^2/NDF:63.2/22

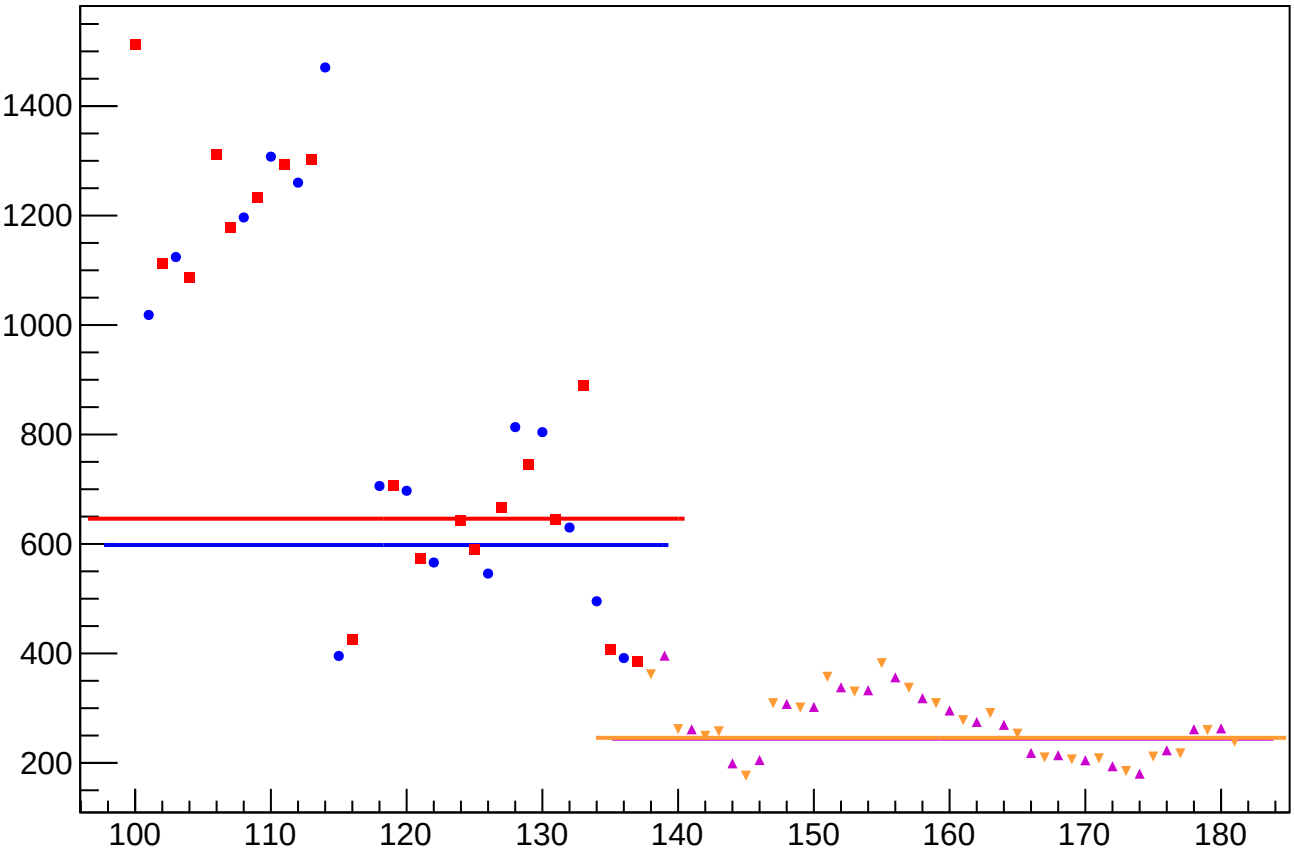
Right Out: -336.731+/-256.617 χ^2/NDF: 11.9/18

Left In: -54.848+/-60.477 χ^2/NDF:23.6/20

\+ sign -302.465+/-57.242 χ^2/NDF: 79.8/38

All: -189.325+/-41.038 χ^2/NDF: 124.5/78

\- sign -69.680+/-58.865 χ^2/NDF: 36.7/39



Right In: 598.044+/-0.171 χ^2/NDF: 2047806.5/15

Left Out: 245.820+/-0.042 χ^2/NDF:1679957.7/22

Right Out: 646.190+/-0.181 χ^2/NDF: 2205421.4/18

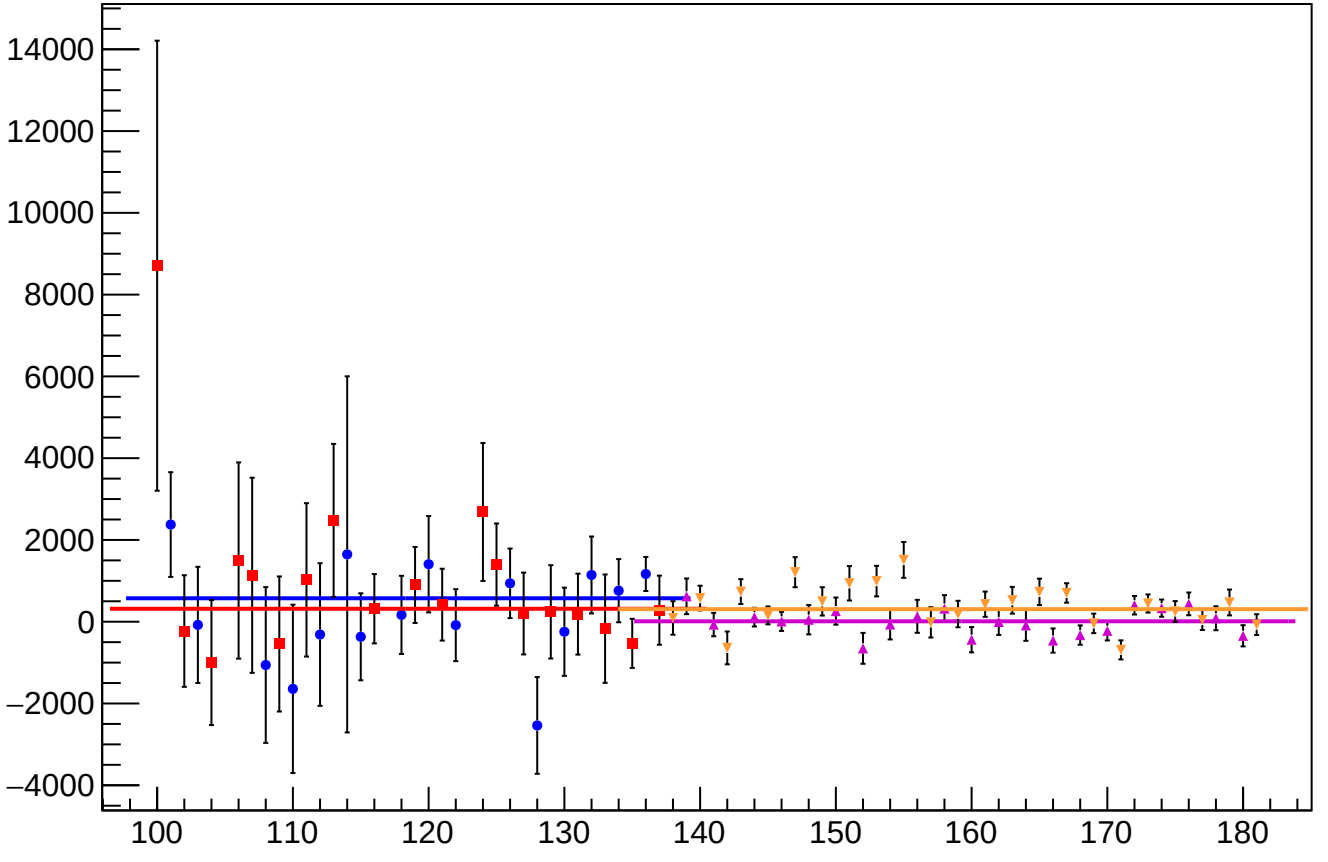
Left In: 244.209+/-0.043 χ^2/NDF:1596265.1/20

+ sign 265.639+/-0.040 χ^2/NDF: 7748837.0/38

All: 265.503+/-0.029 χ^2/NDF: 16199912.4/78

- sign 265.360+/-0.042 χ^2/NDF: 8451052.3/39

asym_sam_1526_avg_mean vs Slug



Right In: 573.374+/-238.921 χ^2/NDF: 16.6/15

Left Out: 307.511+/-61.252 χ^2/NDF:59.1/22

Right Out: 316.830+/-258.239 χ^2/NDF: 11.0/18

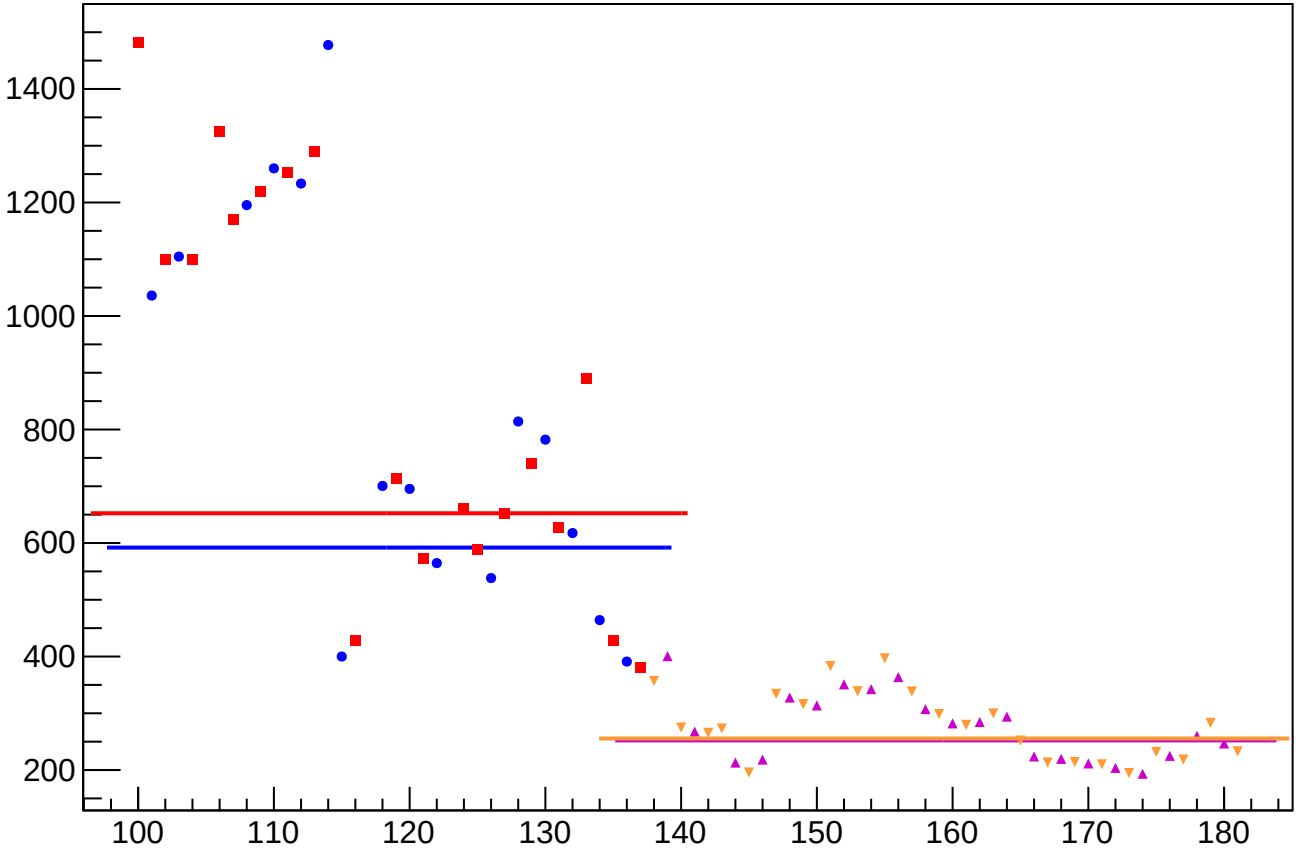
Left In: 10.397+/-62.276 χ^2/NDF:24.3/20

+ sign 323.908+/-59.333 χ^2/NDF: 76.8/38

All: 178.560+/-42.375 χ^2/NDF: 125.6/78

- sign 27.238+/-60.540 χ^2/NDF: 36.6/39

asym_sam_1526_avg_rms vs Slug



Right In: 591.974+/-0.169 χ^2/NDF: 2035700.6/15

Left Out: 255.551+/-0.043 χ^2/NDF:1560651.3/22

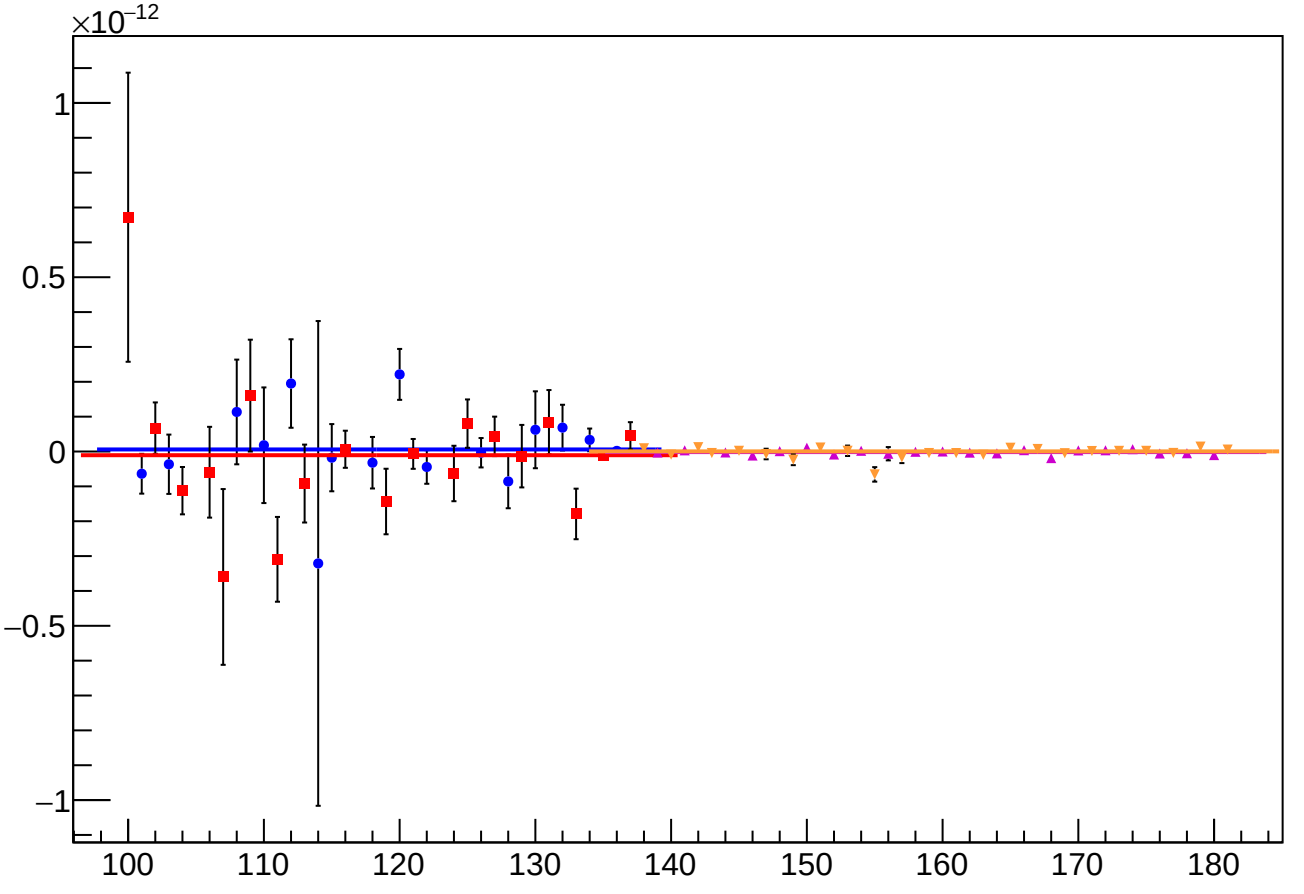
Right Out: 652.459+/-0.183 χ^2/NDF: 2089983.3/18

Left In: 252.219+/-0.044 χ^2/NDF:1411229.5/20

+ sign 276.299+/-0.042 χ^2/NDF: 7317240.0/38

All: 275.278+/-0.030 χ^2/NDF: 15359907.3/78

- sign 274.216+/-0.043 χ^2/NDF: 8041459.8/39



Right In: 0.000+/-0.000 χ^2/NDF: 18.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:24.7/22

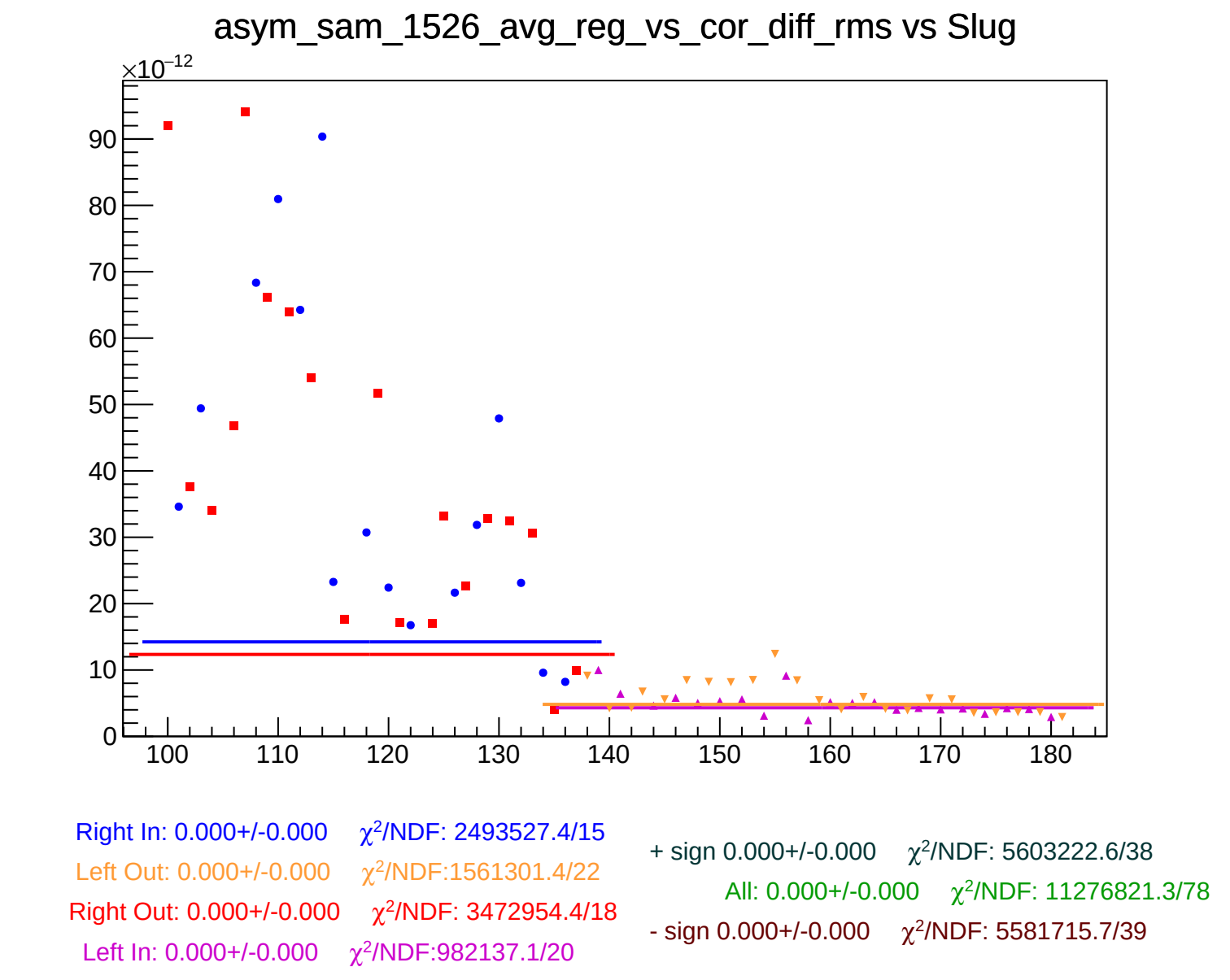
Right Out: -0.000+/-0.000 χ^2/NDF: 29.5/18

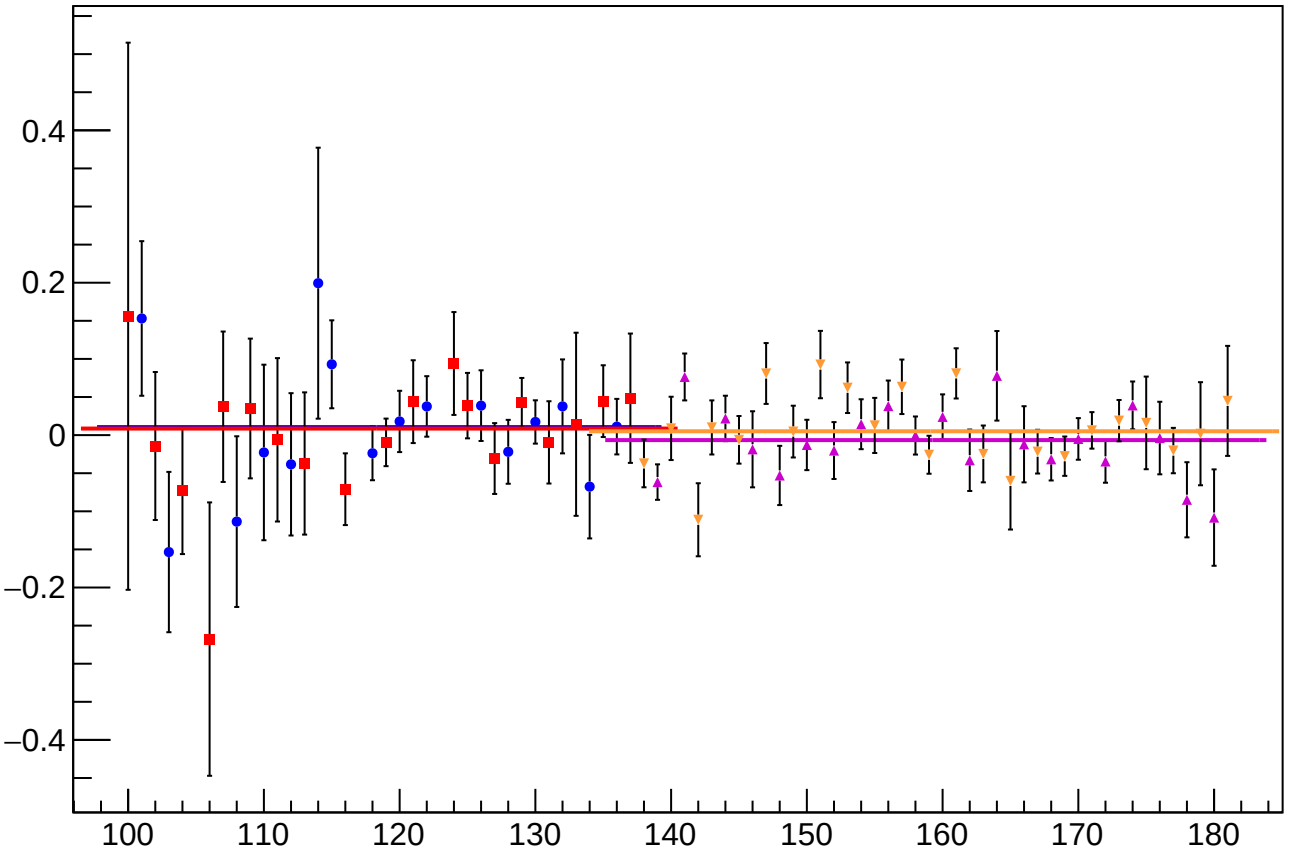
Left In: -0.000+/-0.000 χ^2/NDF:13.6/20

+ sign 0.000+/-0.000 χ^2/NDF: 43.2/38

All: -0.000+/-0.000 χ^2/NDF: 87.8/78

- sign -0.000+/-0.000 χ^2/NDF: 43.7/39


asym_sam_1526_avg_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: 2493527.4/15
Left Out: 0.000+/-0.000 χ²/NDF:1561301.4/22
Right Out: 0.000+/-0.000 χ²/NDF: 3472954.4/18
Left In: 0.000+/-0.000 χ²/NDF:982137.1/20
+ sign 0.000+/-0.000 χ²/NDF: 5603222.6/38
All: 0.000+/-0.000 χ²/NDF: 11276821.3/78
- sign 0.000+/-0.000 χ²/NDF: 5581715.7/39



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.005+/-0.007 χ^2/NDF:33.4/22

Right Out: 0.009+/-0.013 χ^2/NDF: 12.4/18

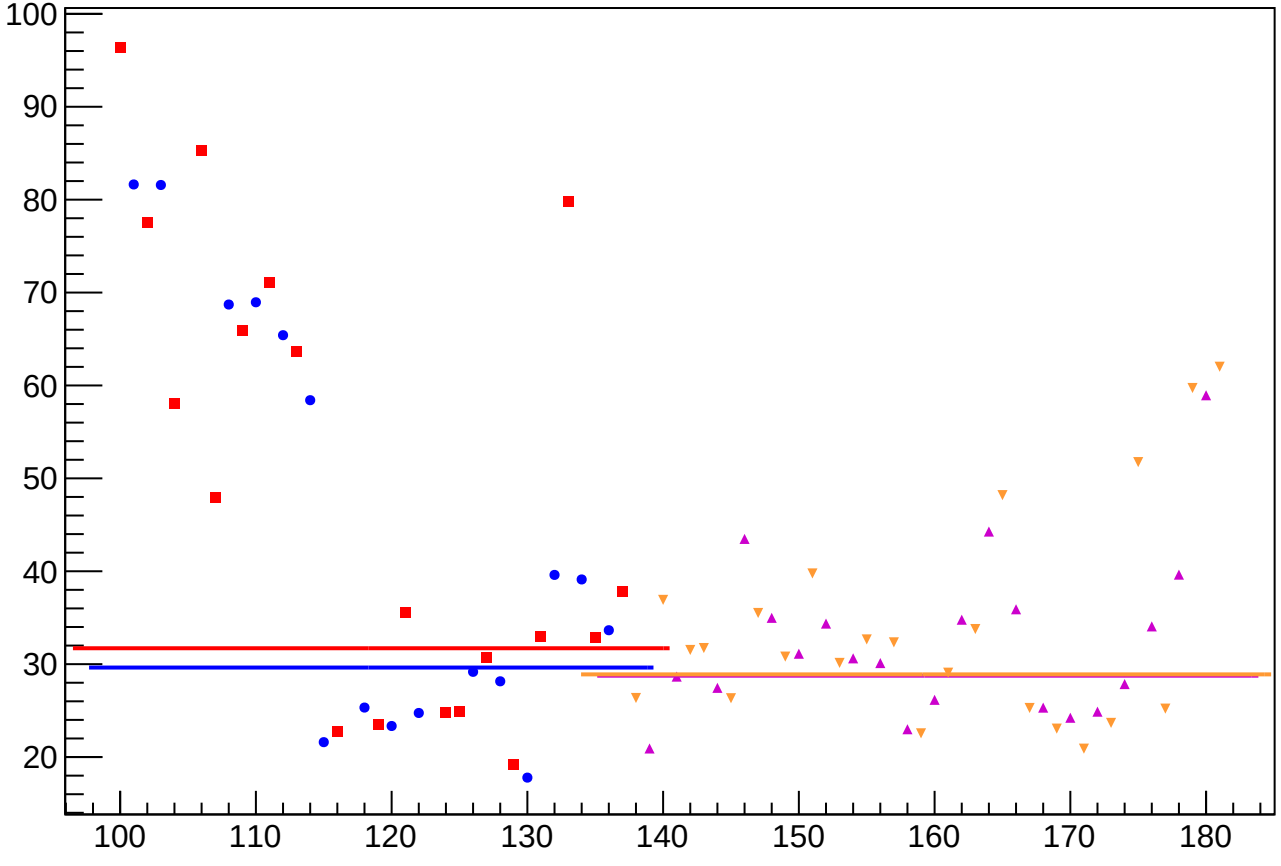
Left In: -0.007+/-0.007 χ^2/NDF:30.3/20

+ sign 0.006+/-0.006 χ^2/NDF: 46.6/38

All: 0.002+/-0.004 χ^2/NDF: 91.5/78

- sign -0.003+/-0.006 χ^2/NDF: 43.7/39

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: 28.899+/-0.005 χ^2/NDF:2272201.9/22

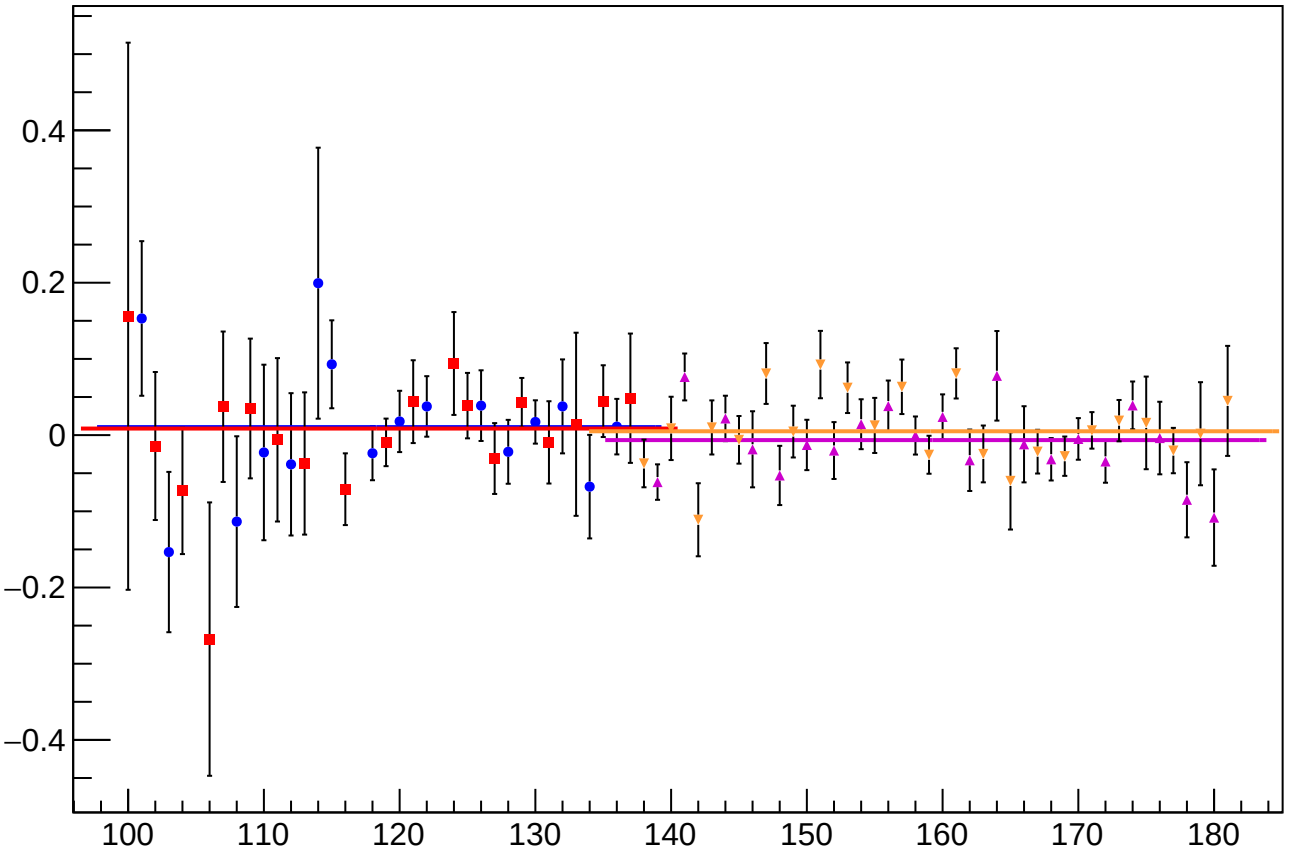
Right Out: 31.712+/-0.009 χ^2/NDF: 2651470.3/18

Left In: 28.759+/-0.005 χ^2/NDF:1571072.2/20

\+ sign 29.080+/-0.004 χ^2/NDF: 4725840.3/38

All: 29.260+/-0.003 χ^2/NDF: 9028008.4/78

\- sign 29.451+/-0.005 χ^2/NDF: 4298724.7/39



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.005+/-0.007 χ^2/NDF:33.4/22

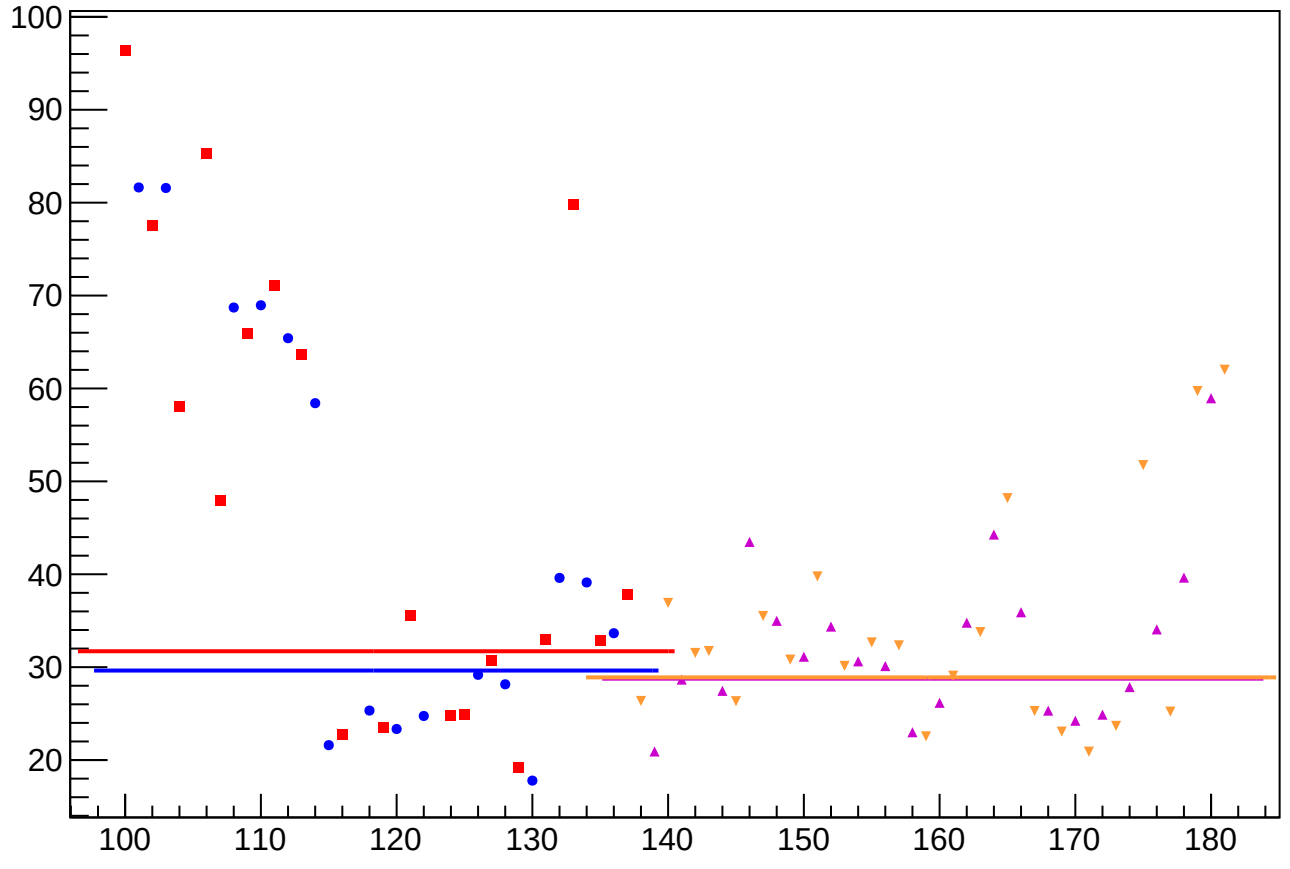
Right Out: 0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: -0.007+/-0.007 χ^2/NDF:30.3/20

+ sign 0.006+/-0.006 χ^2/NDF: 46.6/38

All: 0.002+/-0.004 χ^2/NDF: 91.5/78

- sign -0.003+/-0.006 χ^2/NDF: 43.7/39



Right In: 29.635+/-0.009 χ^2/NDF: 2448468.0/15

Left Out: 28.899+/-0.005 χ^2/NDF:2272201.9/22

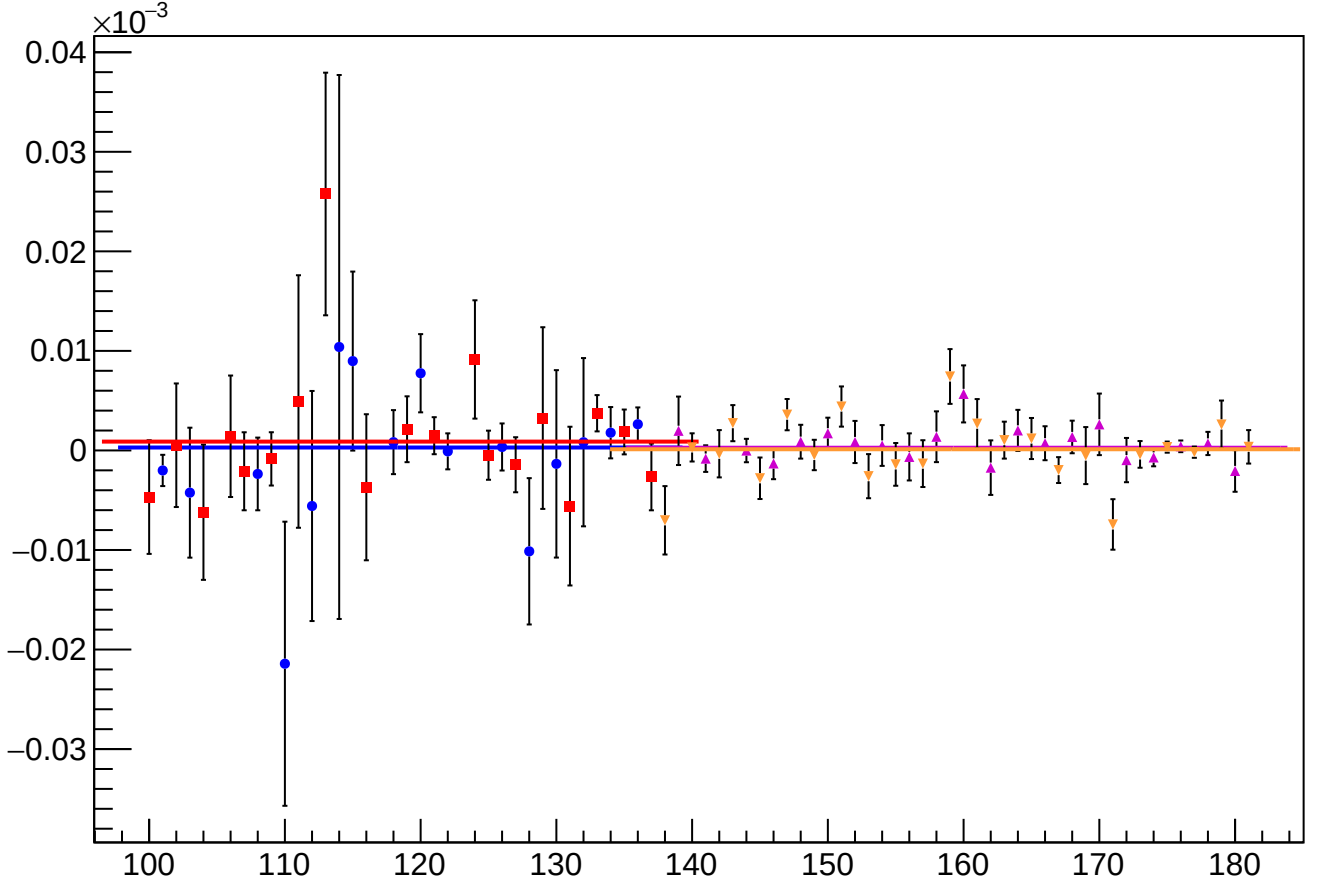
Right Out: 31.712+/-0.009 χ^2/NDF: 2651470.3/18

Left In: 28.759+/-0.005 χ^2/NDF:1571072.2/20

\+ sign 29.080+/-0.004 χ^2/NDF: 4725840.3/38

All: 29.260+/-0.003 χ^2/NDF: 9028008.4/78

\- sign 29.451+/-0.005 χ^2/NDF: 4298724.7/39



Right In: 0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:42.2/22

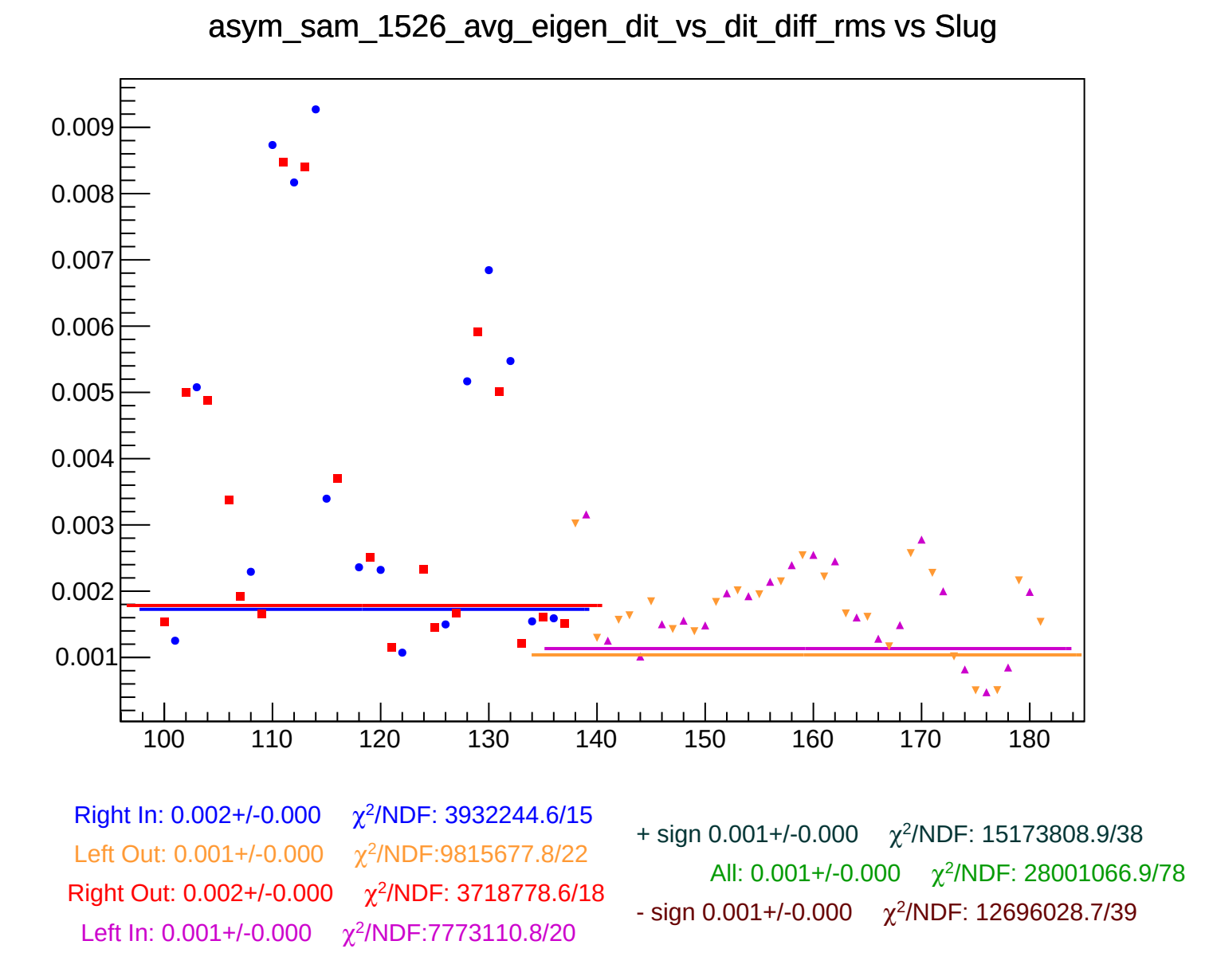
Right Out: 0.000+/-0.000 χ^2/NDF: 15.4/18

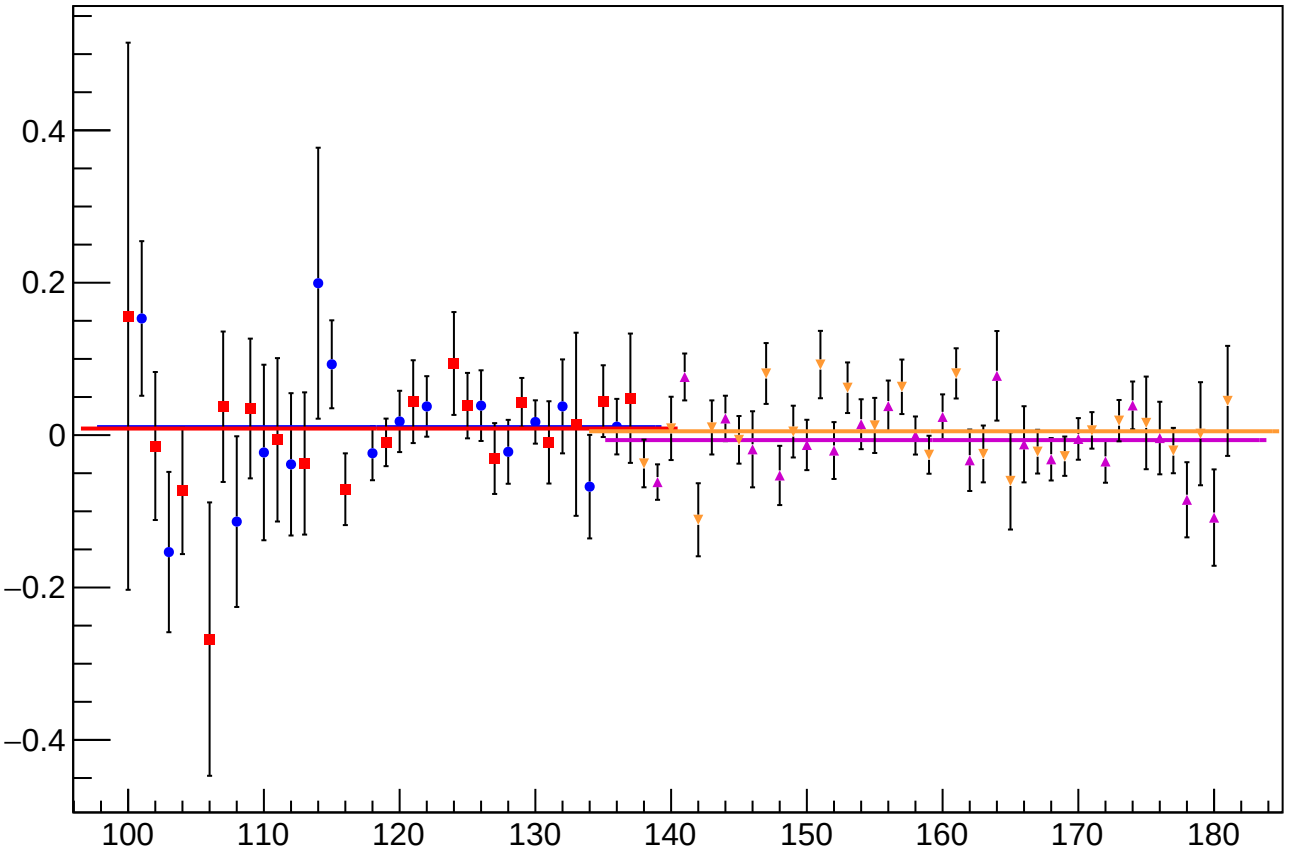
Left In: 0.000+/-0.000 χ^2/NDF:12.2/20

+ sign 0.000+/-0.000 χ^2/NDF: 57.0/38

All: 0.000+/-0.000 χ^2/NDF: 85.4/78

- sign 0.000+/-0.000 χ^2/NDF: 28.1/39


asym_sam_1526_avg_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: 0.002+/-0.000 χ²/NDF: 3932244.6/15
Left Out: 0.001+/-0.000 χ²/NDF:9815677.8/22
Right Out: 0.002+/-0.000 χ²/NDF: 3718778.6/18
Left In: 0.001+/-0.000 χ²/NDF:7773110.8/20
+ sign 0.001+/-0.000 χ²/NDF: 15173808.9/38
All: 0.001+/-0.000 χ²/NDF: 28001066.9/78
- sign 0.001+/-0.000 χ²/NDF: 12696028.7/39



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.005+/-0.007 χ^2/NDF:33.4/22

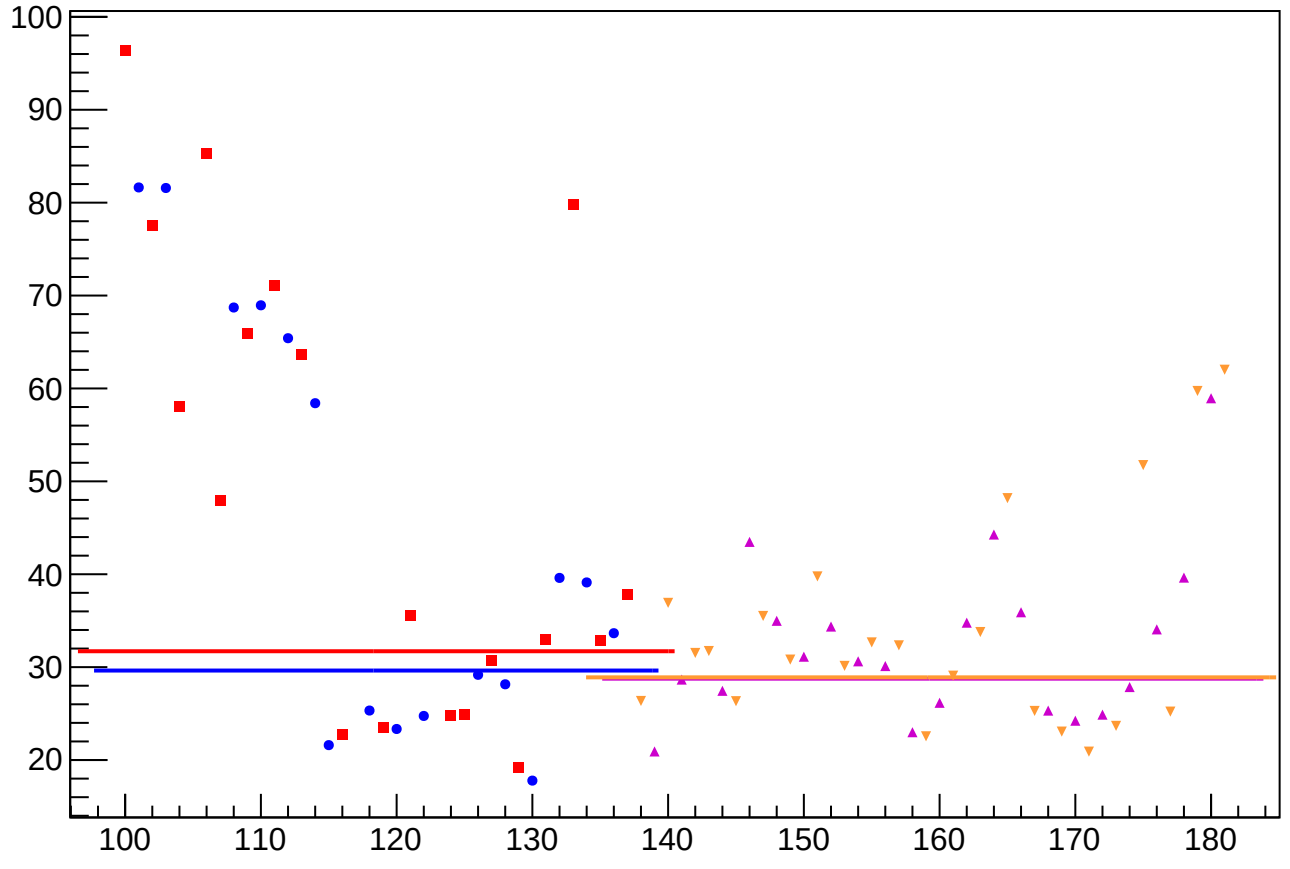
Right Out: 0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: -0.007+/-0.007 χ^2/NDF:30.3/20

+ sign 0.006+/-0.006 χ^2/NDF: 46.6/38

All: 0.002+/-0.004 χ^2/NDF: 91.5/78

- sign -0.003+/-0.006 χ^2/NDF: 43.7/39



Right In: 29.633+/-0.009 χ^2/NDF: 2448670.6/15

Left Out: 28.899+/-0.005 χ^2/NDF:2272240.1/22

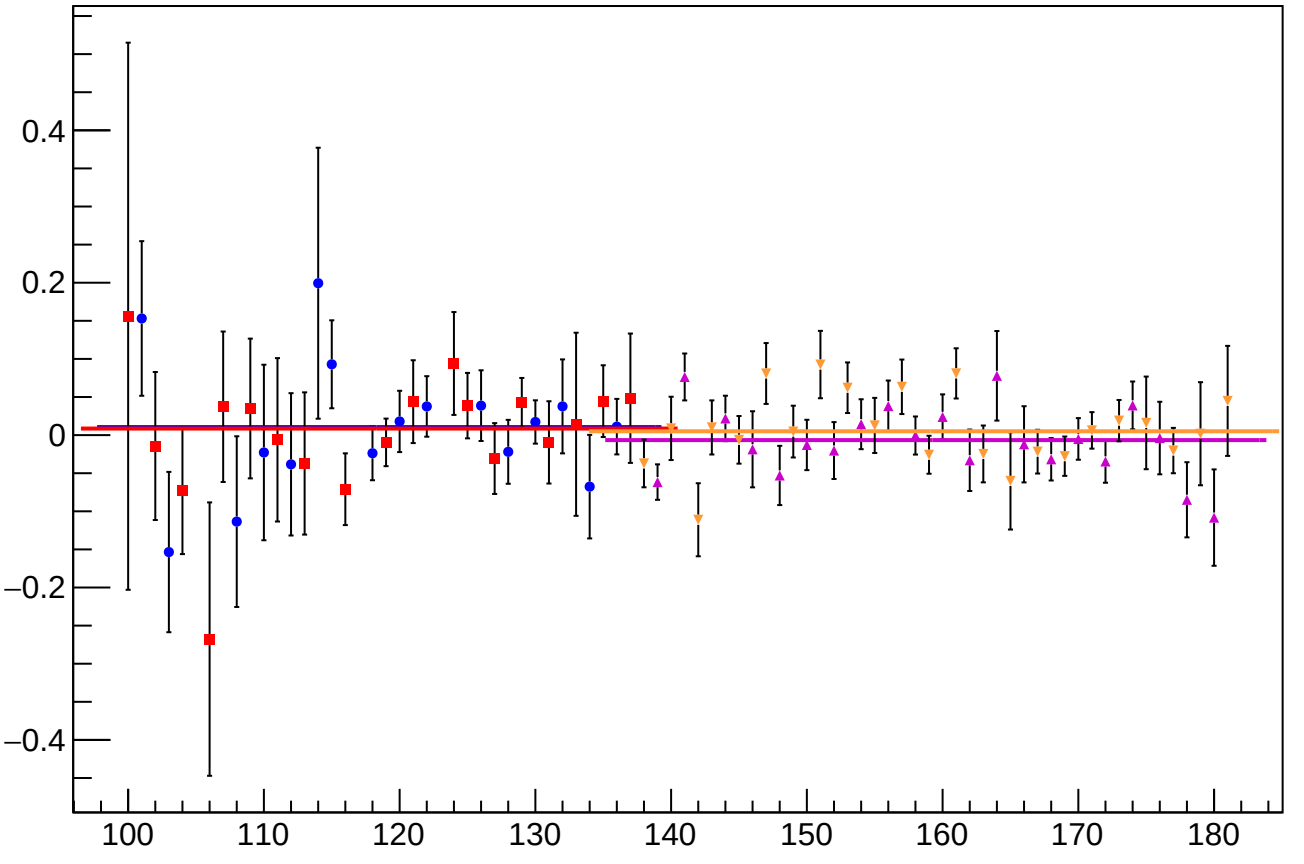
Right Out: 31.711+/-0.009 χ^2/NDF: 2651638.6/18

Left In: 28.759+/-0.005 χ^2/NDF:1571046.2/20

\+ sign 29.080+/-0.004 χ^2/NDF: 4726061.4/38

All: 29.260+/-0.003 χ^2/NDF: 9028293.5/78

\- sign 29.451+/-0.005 χ^2/NDF: 4298784.8/39



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.005+/-0.007 χ^2/NDF:33.4/22

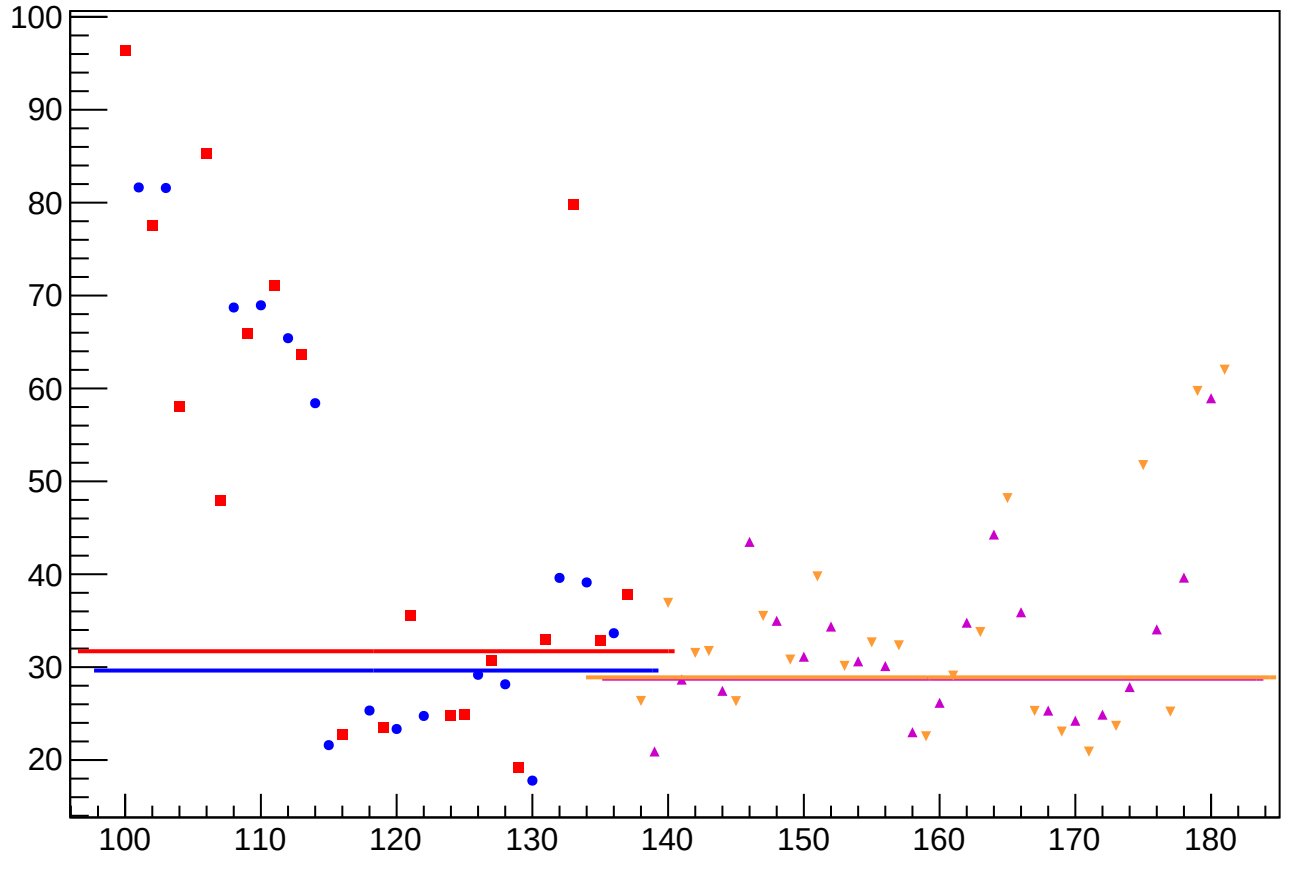
Right Out: 0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: -0.007+/-0.007 χ^2/NDF:30.3/20

+ sign 0.006+/-0.006 χ^2/NDF: 46.6/38

All: 0.002+/-0.004 χ^2/NDF: 91.5/78

- sign -0.003+/-0.006 χ^2/NDF: 43.7/39



Right In: 29.633+/-0.009 χ^2/NDF: 2448670.6/15

Left Out: 28.899+/-0.005 χ^2/NDF:2272240.1/22

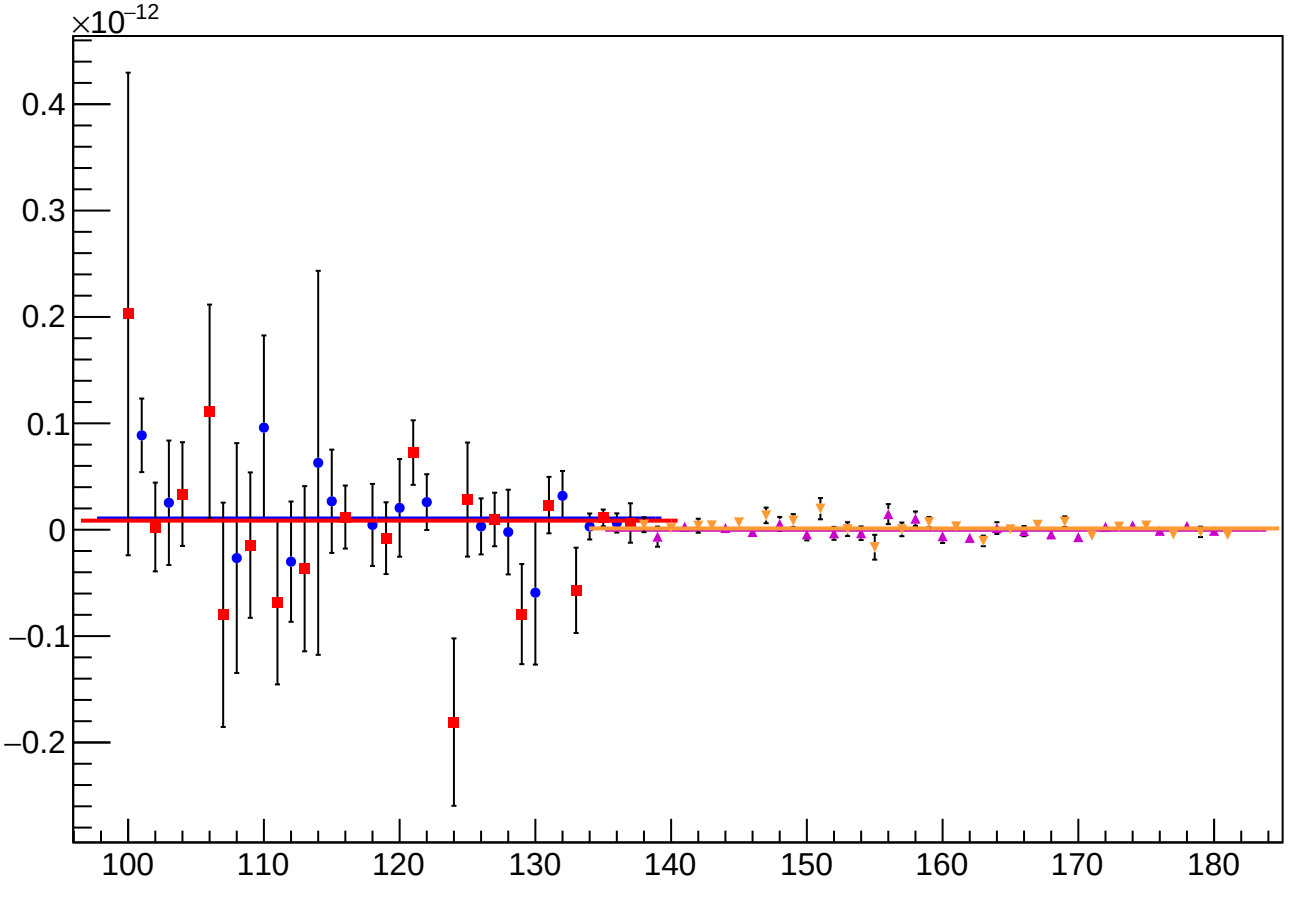
Right Out: 31.711+/-0.009 χ^2/NDF: 2651638.6/18

Left In: 28.759+/-0.005 χ^2/NDF:1571046.2/20

+ sign 29.080+/-0.004 χ^2/NDF: 4726061.4/38

All: 29.260+/-0.003 χ^2/NDF: 9028293.5/78

- sign 29.451+/-0.005 χ^2/NDF: 4298784.8/39



Right In: 0.000+/-0.000 χ^2/NDF: 10.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:33.1/22

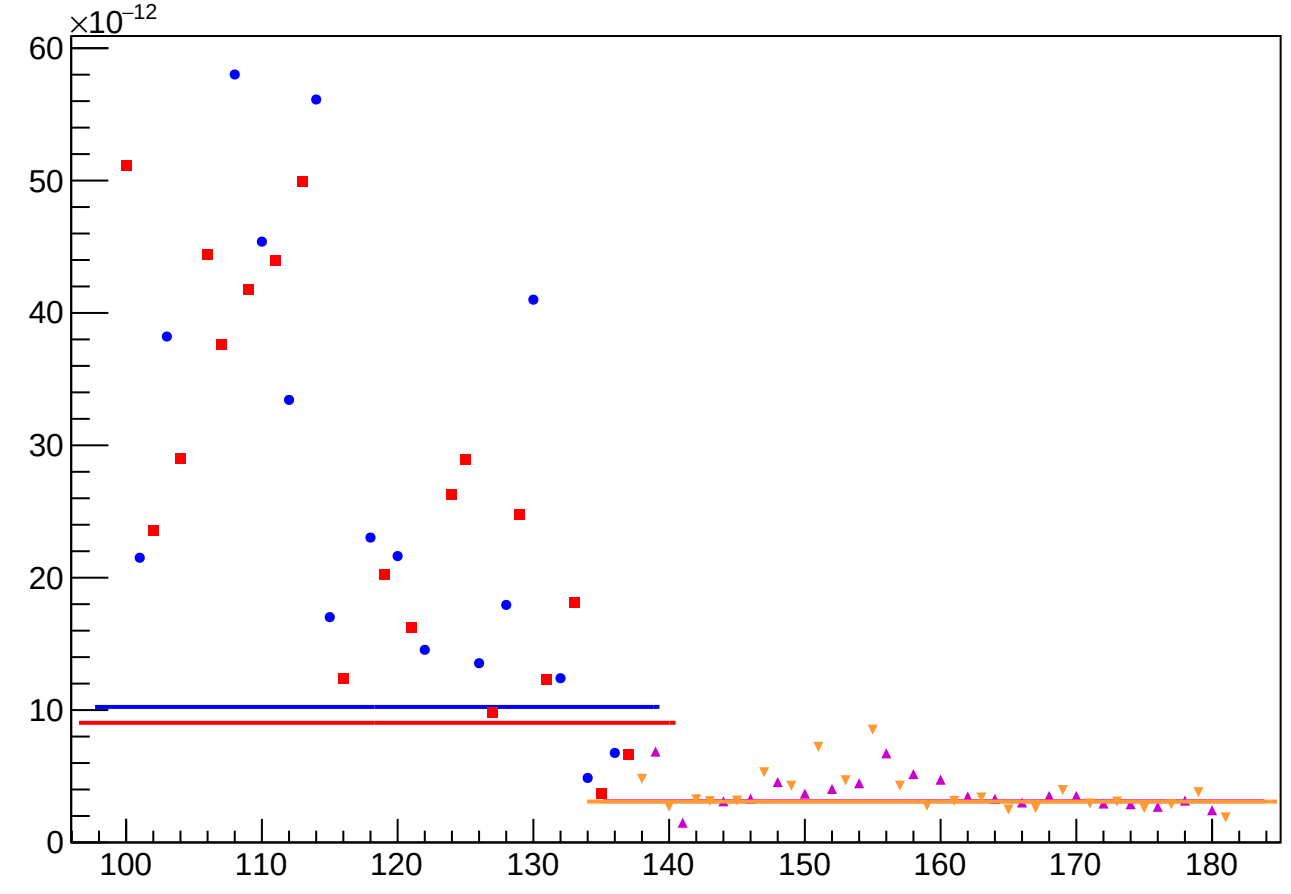
Right Out: 0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: -0.000+/-0.000 χ^2/NDF:18.1/20

+ sign 0.000+/-0.000 χ^2/NDF: 45.5/38

All: 0.000+/-0.000 χ^2/NDF: 87.9/78

- sign 0.000+/-0.000 χ^2/NDF: 41.6/39



Right In: 0.000+/-0.000 χ^2/NDF: 3511693.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:2019053.2/22

Right Out: 0.000+/-0.000 χ^2/NDF: 4514368.5/18

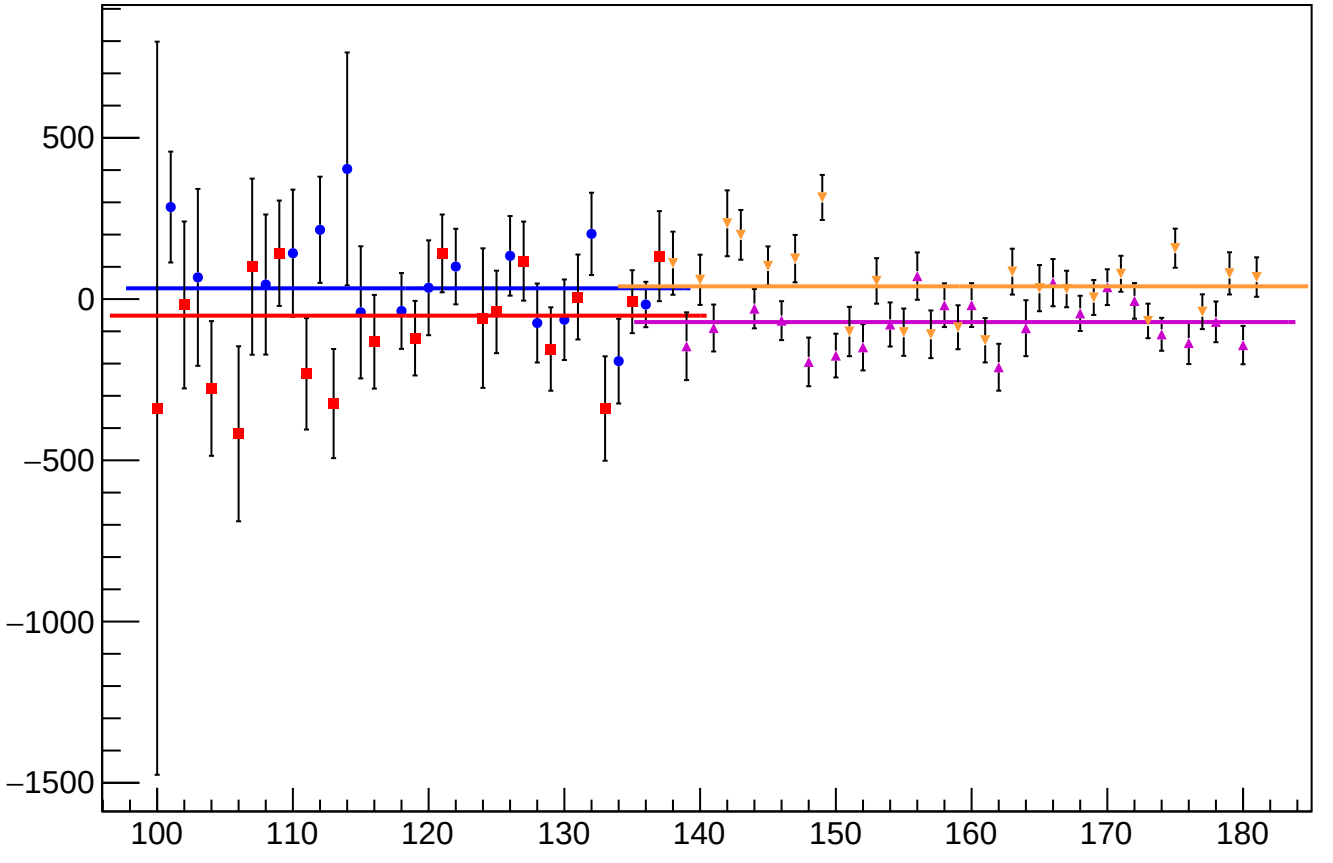
Left In: 0.000+/-0.000 χ^2/NDF:2075770.1/20

+ sign 0.000+/-0.000 χ^2/NDF: 8301888.2/38

All: 0.000+/-0.000 χ^2/NDF: 16837059.5/78

- sign 0.000+/-0.000 χ^2/NDF: 8535034.6/39

reg_asym_sam_3726_avg_mean vs Slug



Right In: 33.431+/-33.881 χ^2/NDF: 12.8/15

Left Out: 39.539+/-13.875 χ^2/NDF:59.0/22

Right Out: -51.335+/-34.851 χ^2/NDF: 19.6/18

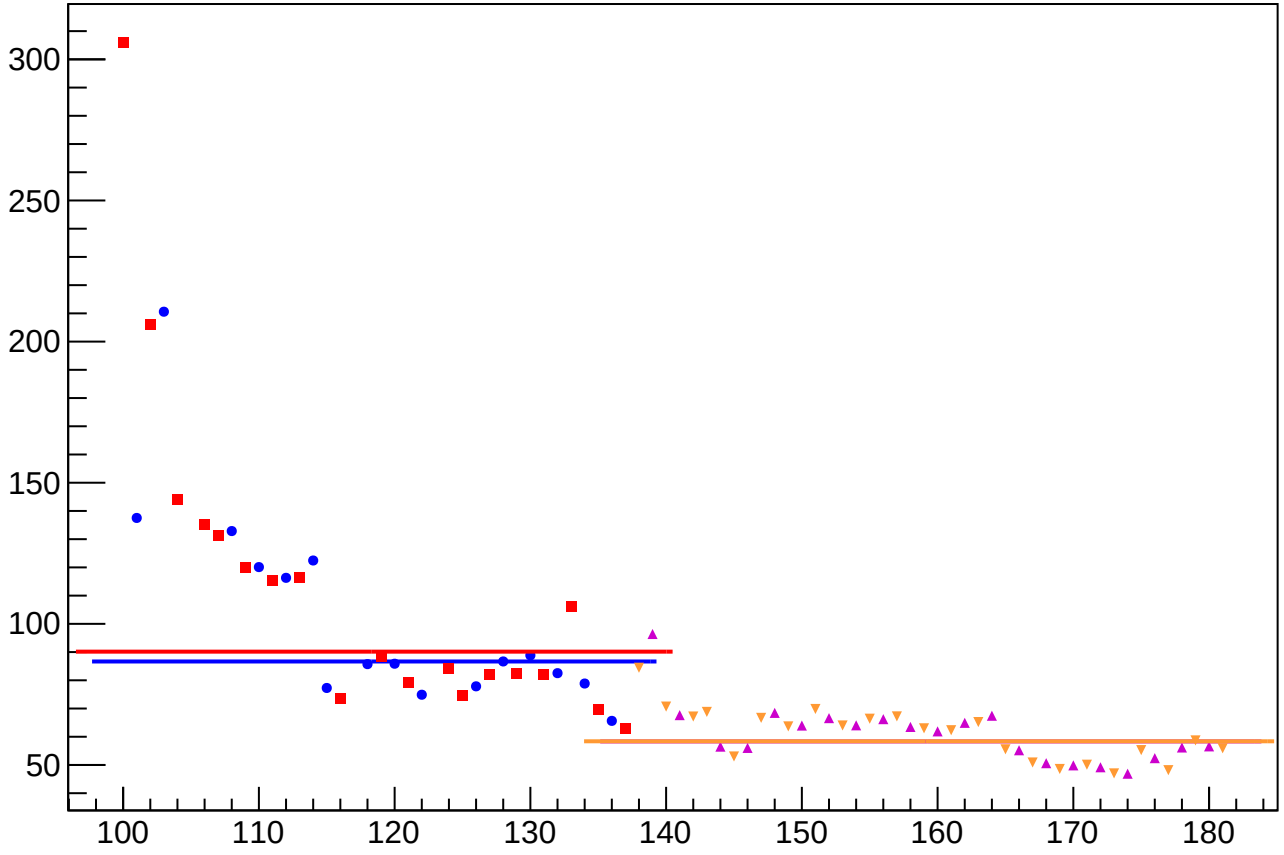
Left In: -71.287+/-14.296 χ^2/NDF:27.2/20

+ sign 38.662+/-12.840 χ^2/NDF: 71.9/38

All: -13.287+/-9.213 χ^2/NDF: 152.7/78

- sign -68.413+/-13.227 χ^2/NDF: 47.1/39

reg_asym_sam_3726_avg_rms vs Slug



Right In: 86.666+/-0.024 χ^2/NDF: 1038813.4/15

Left Out: 58.391+/-0.010 χ^2/NDF:758012.9/22

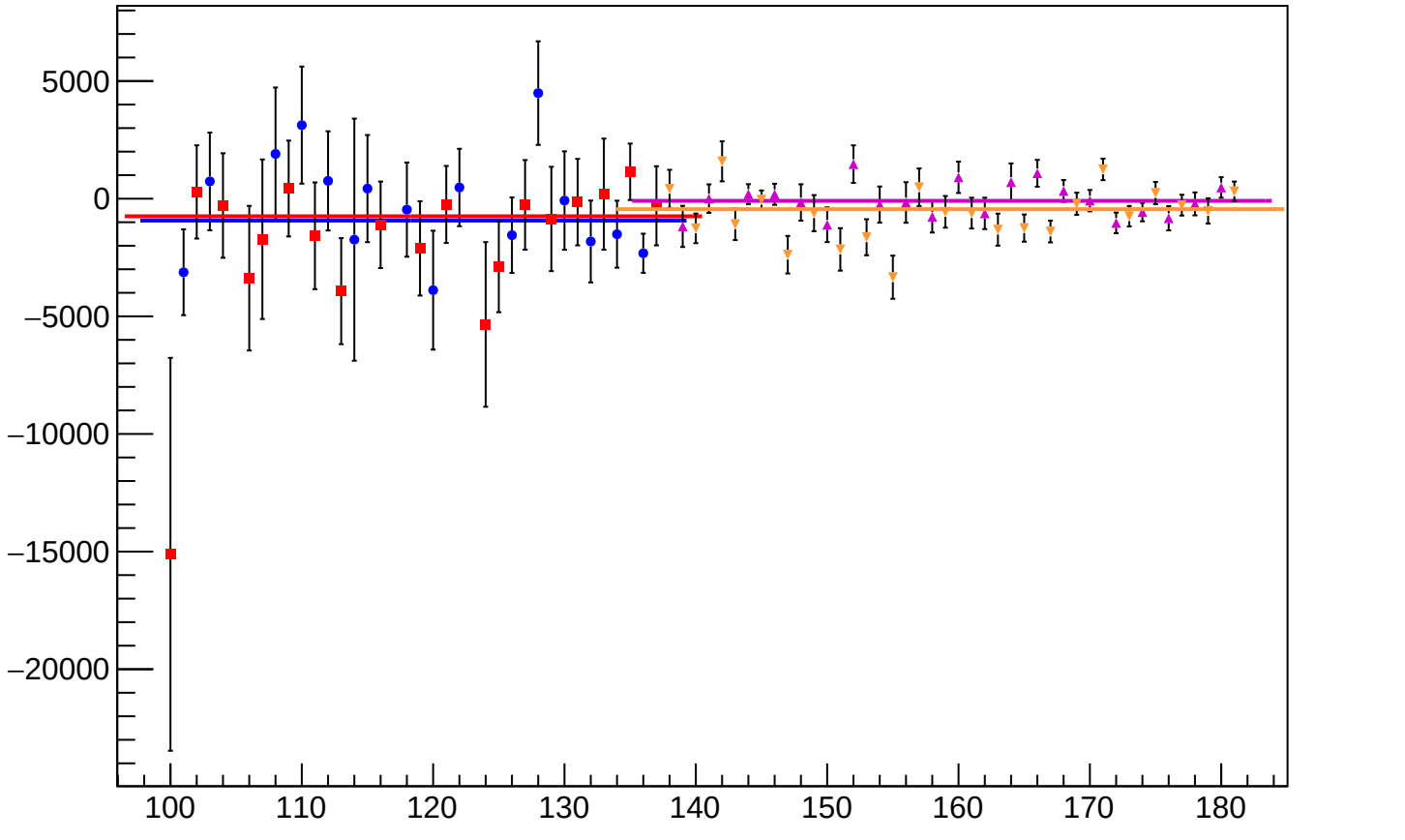
Right Out: 90.153+/-0.025 χ^2/NDF: 1149976.9/18

Left In: 58.340+/-0.010 χ^2/NDF:734684.8/20

+ sign 62.452+/-0.009 χ^2/NDF: 2989754.7/38

All: 62.680+/-0.007 χ^2/NDF: 6302156.6/78

- sign 62.923+/-0.009 χ^2/NDF: 3311096.4/39



Right In: -929.821+/-440.893 χ^2/NDF: 18.5/15

Left Out: -444.688+/-118.795 χ^2/NDF:61.5/22

Right Out: -747.199+/-467.902 χ^2/NDF: 13.0/18

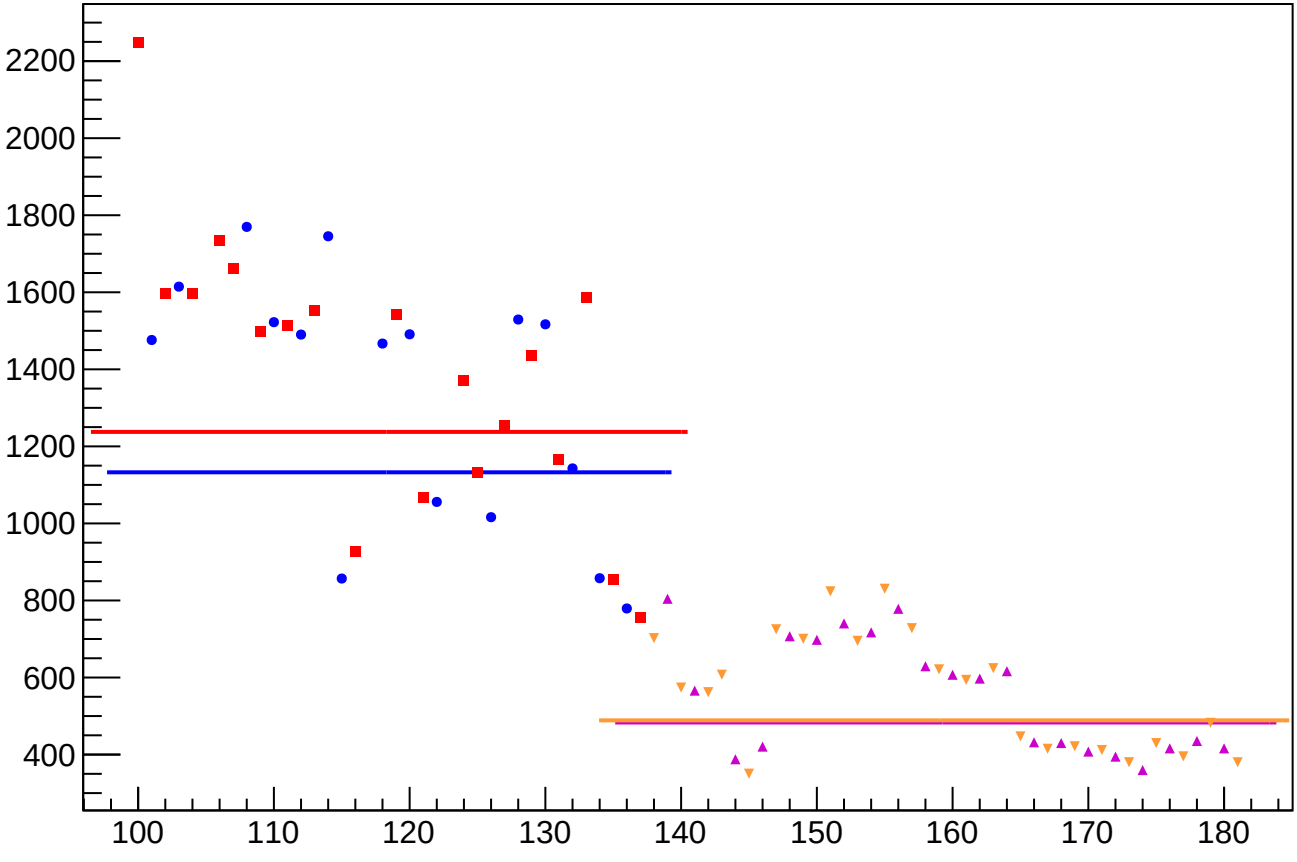
Left In: -91.536+/-120.827 χ^2/NDF:28.0/20

+ sign -477.524+/-114.704 χ^2/NDF: 81.2/38

All: -308.427+/-81.904 χ^2/NDF: 128.5/78

- sign -132.525+/-116.989 χ^2/NDF: 42.8/39

asym_sam_3726_avg_reg_correction_rms vs Slug



Right In: 1132.688+/-0.312 χ^2/NDF: 1124151.1/15

Left Out: 488.792+/-0.084 χ^2/NDF:2453438.6/22

Right Out: 1237.591+/-0.331 χ^2/NDF: 895314.3/18

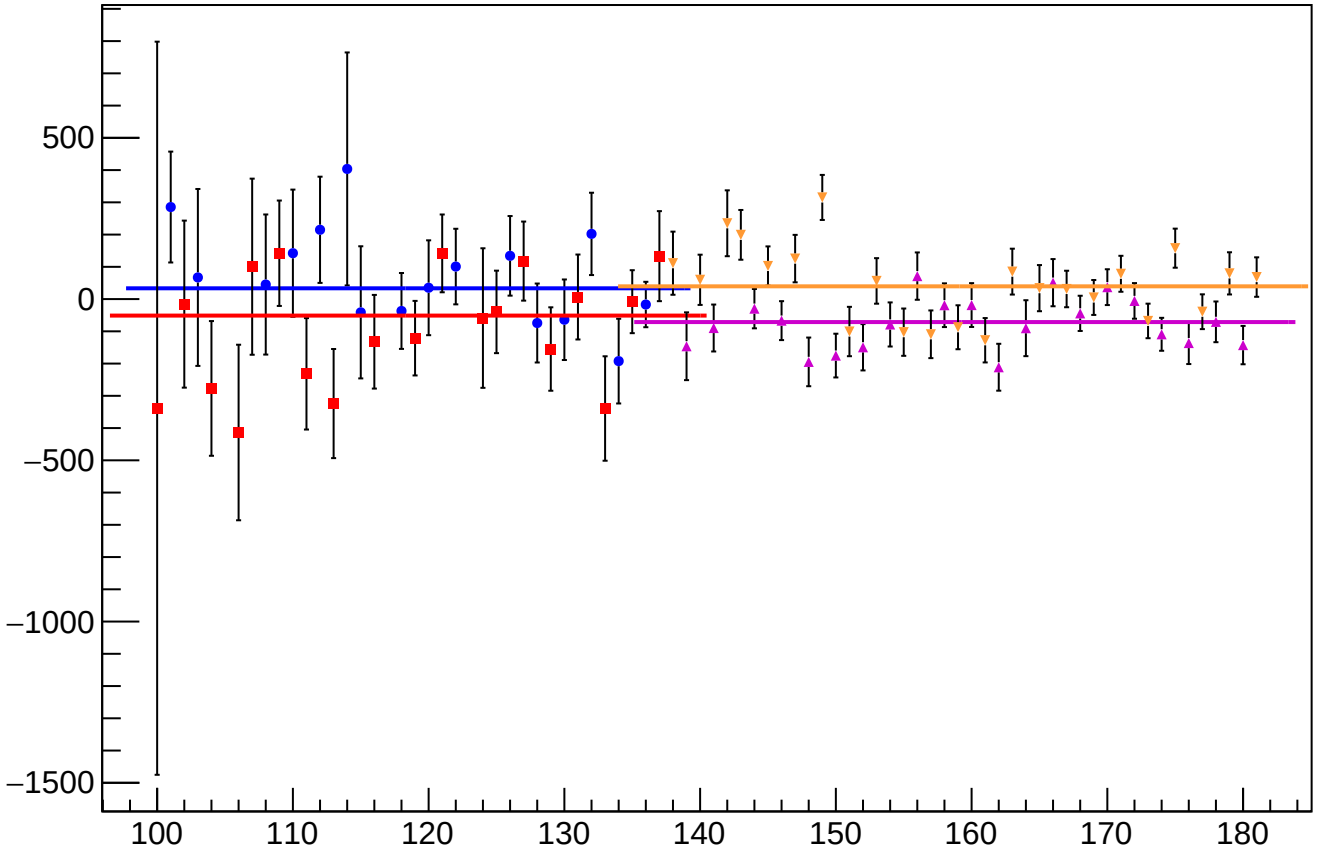
Left In: 483.236+/-0.085 χ^2/NDF:2168965.5/20

+ sign 532.374+/-0.081 χ^2/NDF: 7554611.4/38

All: 531.404+/-0.058 χ^2/NDF: 15492619.8/78

- sign 530.395+/-0.083 χ^2/NDF: 7937716.5/39

cor_asym_sam_3726_avg_mean vs Slug



Right In: 33.422+/-33.881 χ^2/NDF: 12.8/15

Left Out: 39.541+/-13.875 χ^2/NDF:59.0/22

Right Out: -51.188+/-34.853 χ^2/NDF: 19.5/18

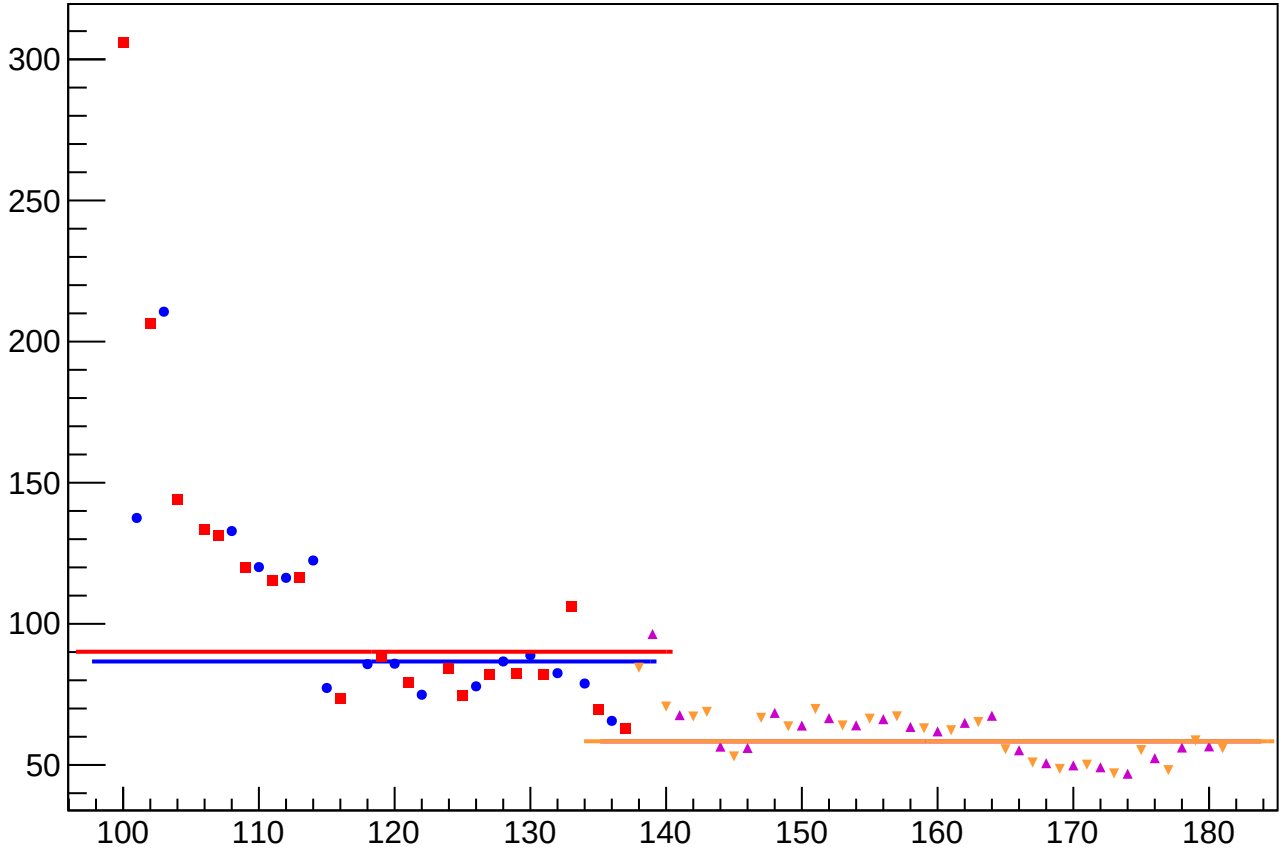
Left In: -71.285+/-14.296 χ^2/NDF:27.2/20

+ sign 38.662+/-12.840 χ^2/NDF: 71.9/38

All: -13.276+/-9.213 χ^2/NDF: 152.6/78

- sign -68.390+/-13.227 χ^2/NDF: 47.0/39

cor_asym_sam_3726_avg_rms vs Slug



Right In: 86.666+/-0.024 χ^2/NDF: 1038816.2/15

Left Out: 58.391+/-0.010 χ^2/NDF:758012.8/22

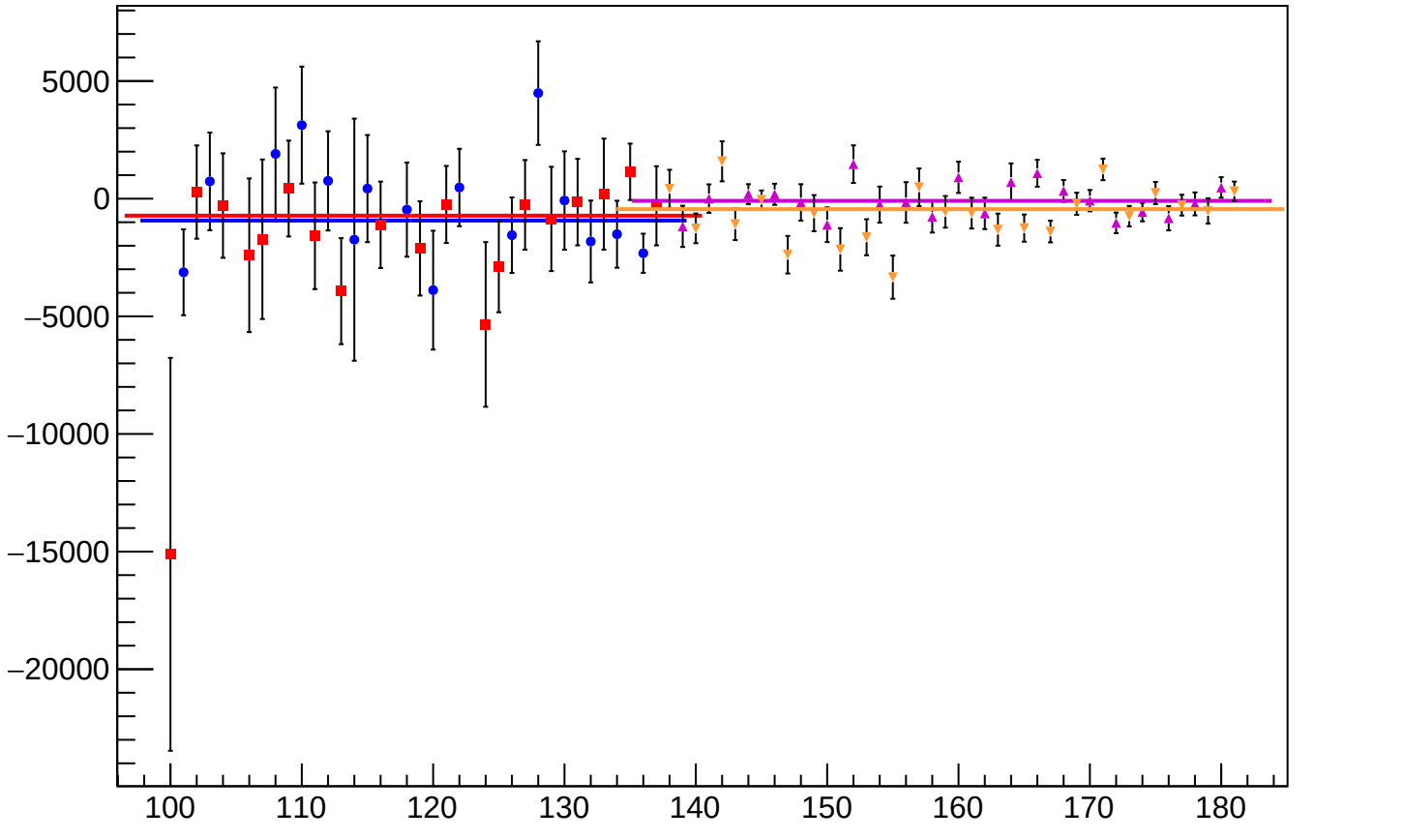
Right Out: 90.116+/-0.025 χ^2/NDF: 1145283.2/18

Left In: 58.340+/-0.010 χ^2/NDF:734684.8/20

+ sign 62.452+/-0.009 χ^2/NDF: 2989756.9/38

All: 62.677+/-0.007 χ^2/NDF: 6293960.4/78

- sign 62.917+/-0.009 χ^2/NDF: 3302930.1/39



Right In: -929.788+/-440.894 χ^2/NDF: 18.5/15

Left Out: -444.685+/-118.795 χ^2/NDF:61.5/22

Right Out: -720.600+/-468.540 χ^2/NDF: 12.5/18

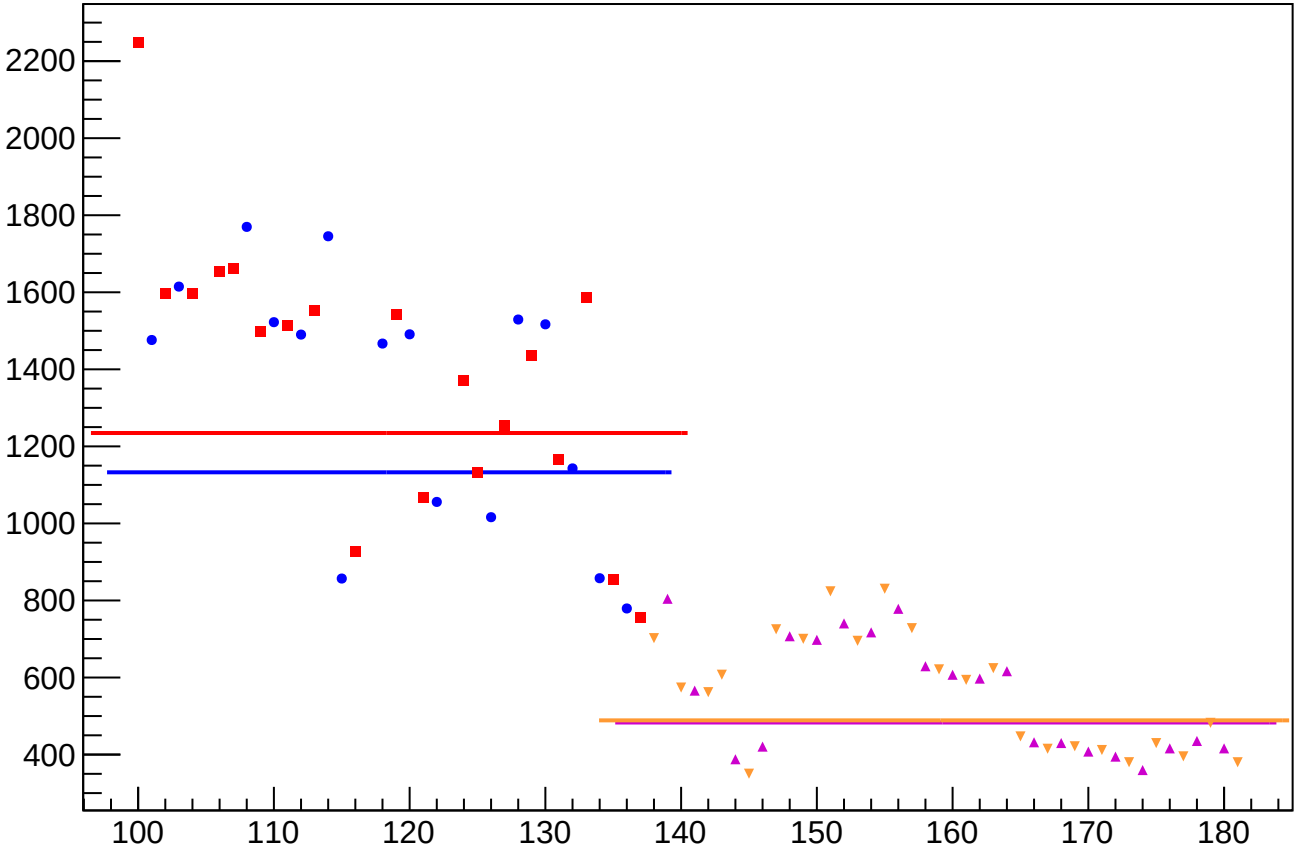
Left In: -91.534+/-120.827 χ^2/NDF:28.0/20

+ sign -477.519+/-114.704 χ^2/NDF: 81.2/38

All: -307.574+/-81.907 χ^2/NDF: 127.9/78

- sign -130.759+/-116.999 χ^2/NDF: 42.2/39

asym_sam_3726_avg_cor_correction_rms vs Slug



Right In: 1132.689+/-0.312 χ^2/NDF: 1124187.2/15

Left Out: 488.792+/-0.084 χ^2/NDF:2453438.9/22

Right Out: 1234.709+/-0.331 χ^2/NDF: 876272.4/18

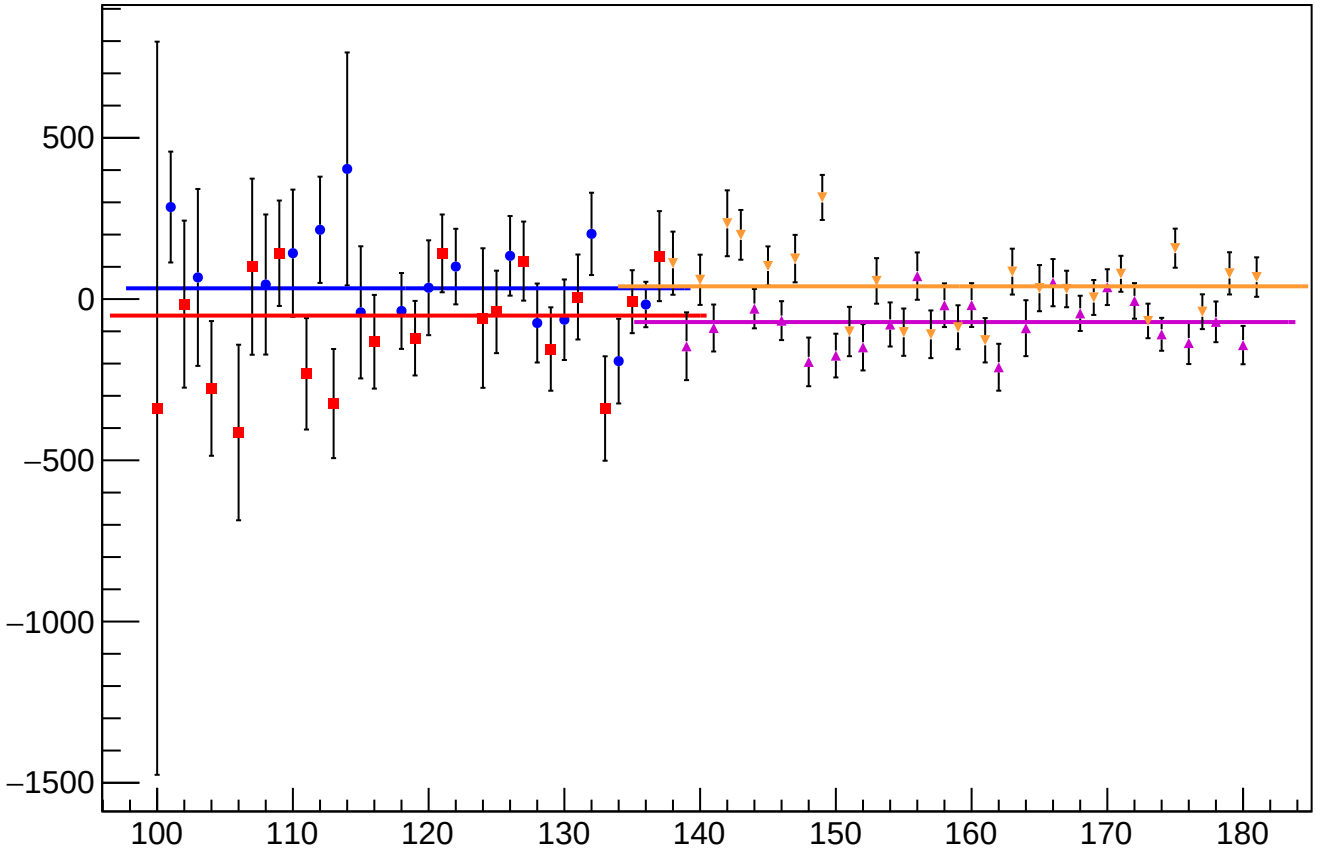
Left In: 483.236+/-0.085 χ^2/NDF:2168964.7/20

+ sign 532.373+/-0.081 χ^2/NDF: 7554645.8/38

All: 531.257+/-0.058 χ^2/NDF: 15424200.8/78

- sign 530.095+/-0.083 χ^2/NDF: 7869168.1/39

eigen_cor_asym_sam_3726_avg_mean vs Slug



Right In: 33.422+/-33.881 χ^2/NDF: 12.8/15

Left Out: 39.541+/-13.875 χ^2/NDF:59.0/22

Right Out: -51.188+/-34.853 χ^2/NDF: 19.5/18

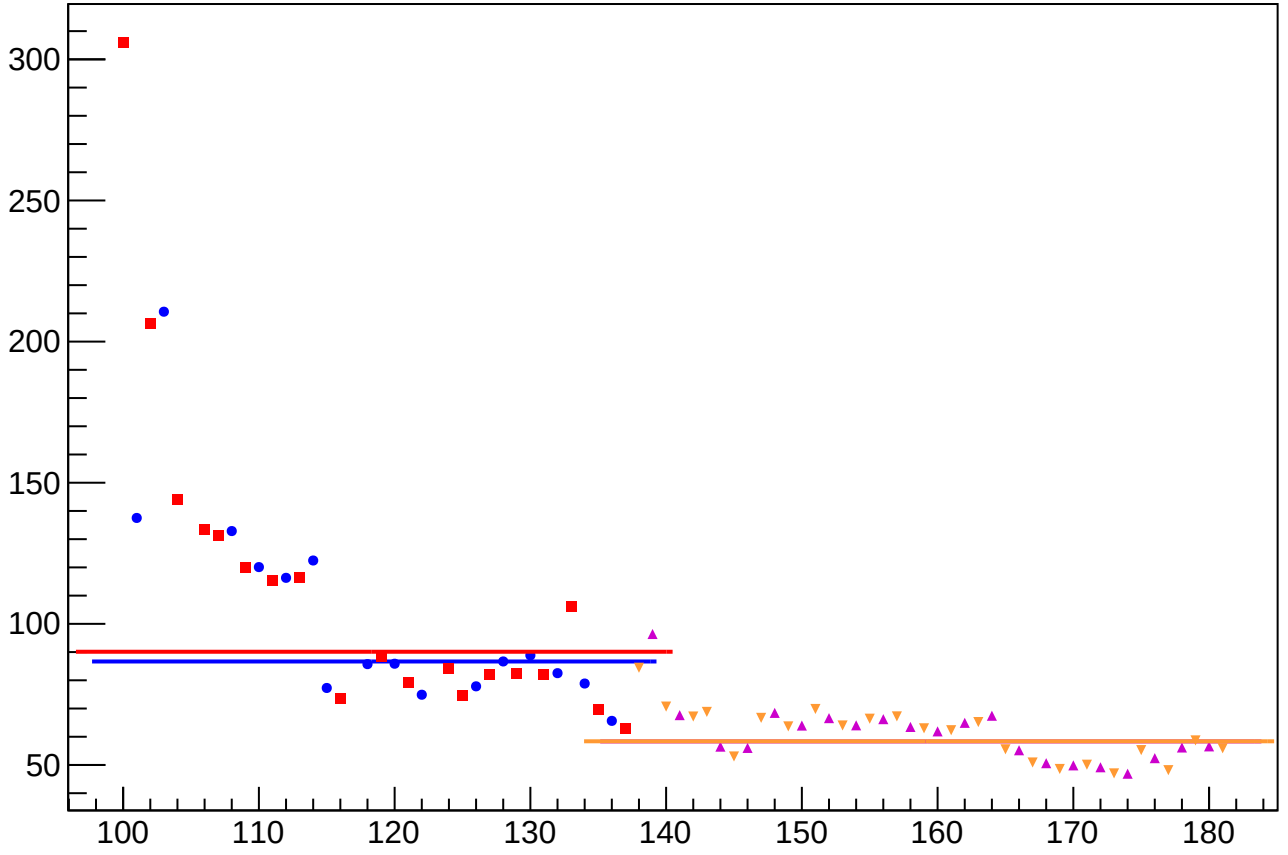
Left In: -71.285+/-14.296 χ^2/NDF:27.2/20

+ sign 38.662+/-12.840 χ^2/NDF: 71.9/38

All: -13.276+/-9.213 χ^2/NDF: 152.6/78

- sign -68.390+/-13.227 χ^2/NDF: 47.0/39

eigen_cor_asym_sam_3726_avg_rms vs Slug



Right In: 86.666+/-0.024 χ^2/NDF: 1038816.2/15

Left Out: 58.391+/-0.010 χ^2/NDF:758012.8/22

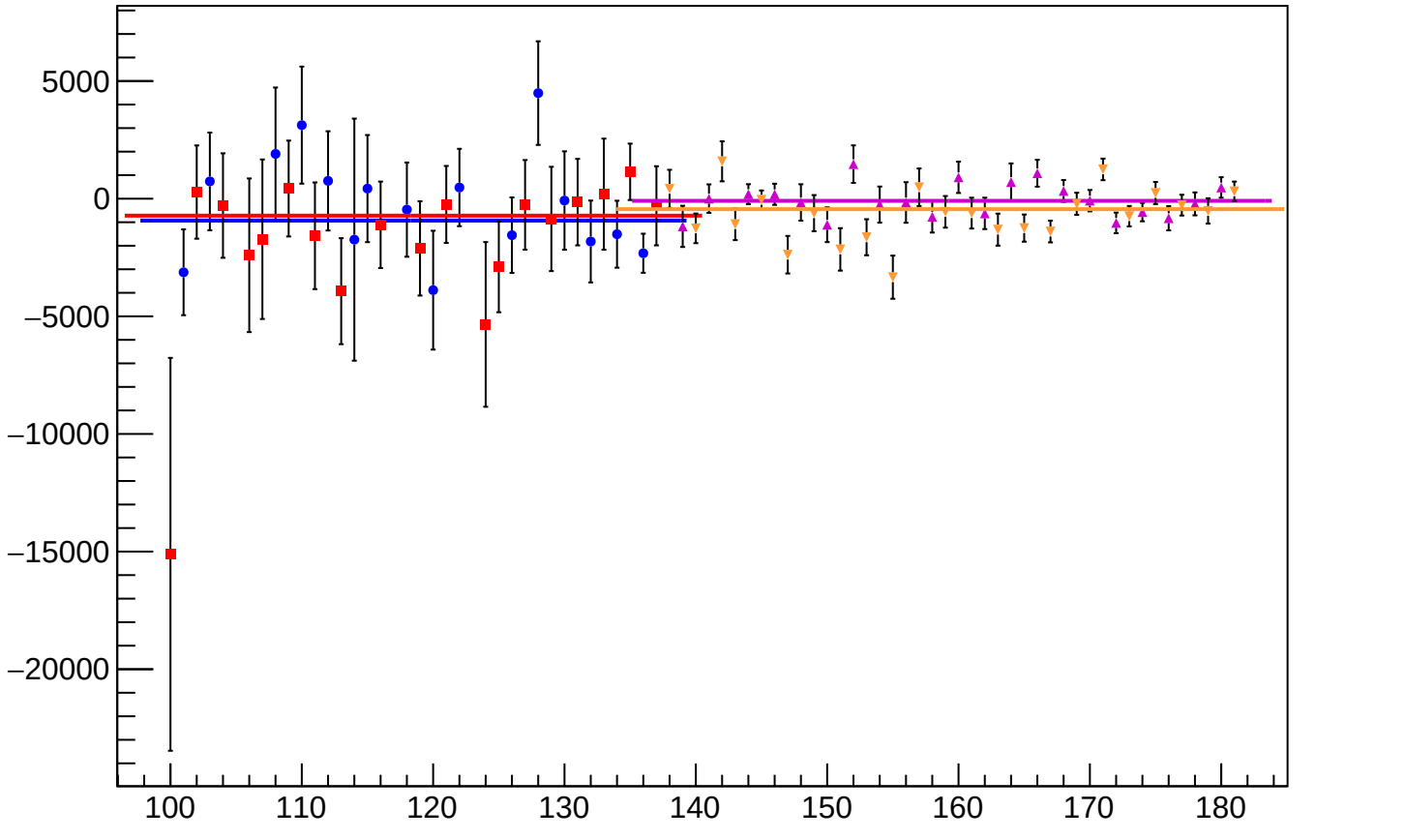
Right Out: 90.116+/-0.025 χ^2/NDF: 1145283.2/18

Left In: 58.340+/-0.010 χ^2/NDF:734684.8/20

+ sign 62.452+/-0.009 χ^2/NDF: 2989756.9/38

All: 62.677+/-0.007 χ^2/NDF: 6293960.4/78

- sign 62.917+/-0.009 χ^2/NDF: 3302930.1/39



Right In: -929.788+/-440.894 χ^2/NDF: 18.5/15

Left Out: -444.685+/-118.795 χ^2/NDF:61.5/22

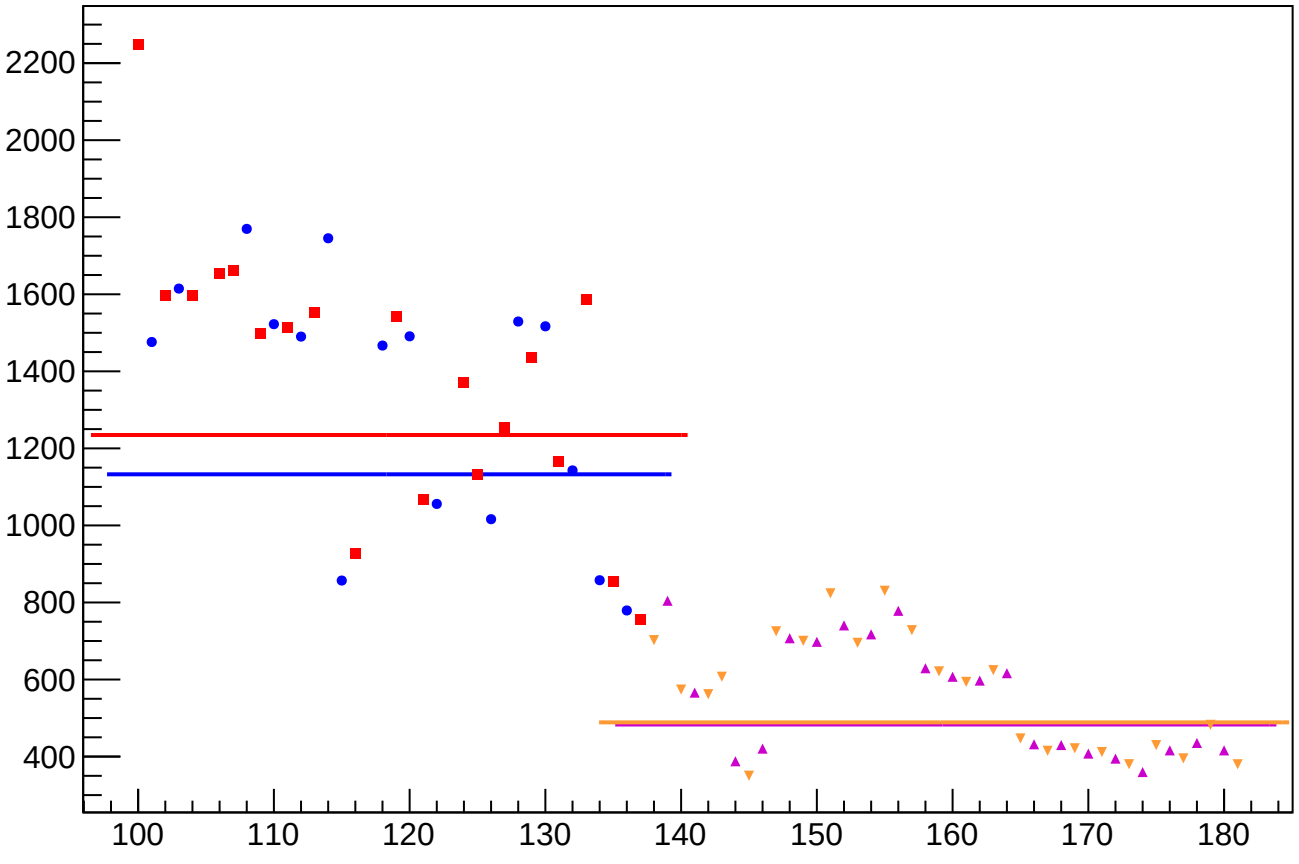
Right Out: -720.600+/-468.540 χ^2/NDF: 12.5/18

Left In: -91.534+/-120.827 χ^2/NDF:28.0/20

+ sign -477.519+/-114.704 χ^2/NDF: 81.2/38

All: -307.574+/-81.907 χ^2/NDF: 127.9/78

- sign -130.759+/-116.999 χ^2/NDF: 42.2/39



Right In: 1132.689+/-0.312 χ^2/NDF: 1124187.2/15

Left Out: 488.792+/-0.084 χ^2/NDF:2453438.9/22

Right Out: 1234.709+/-0.331 χ^2/NDF: 876272.4/18

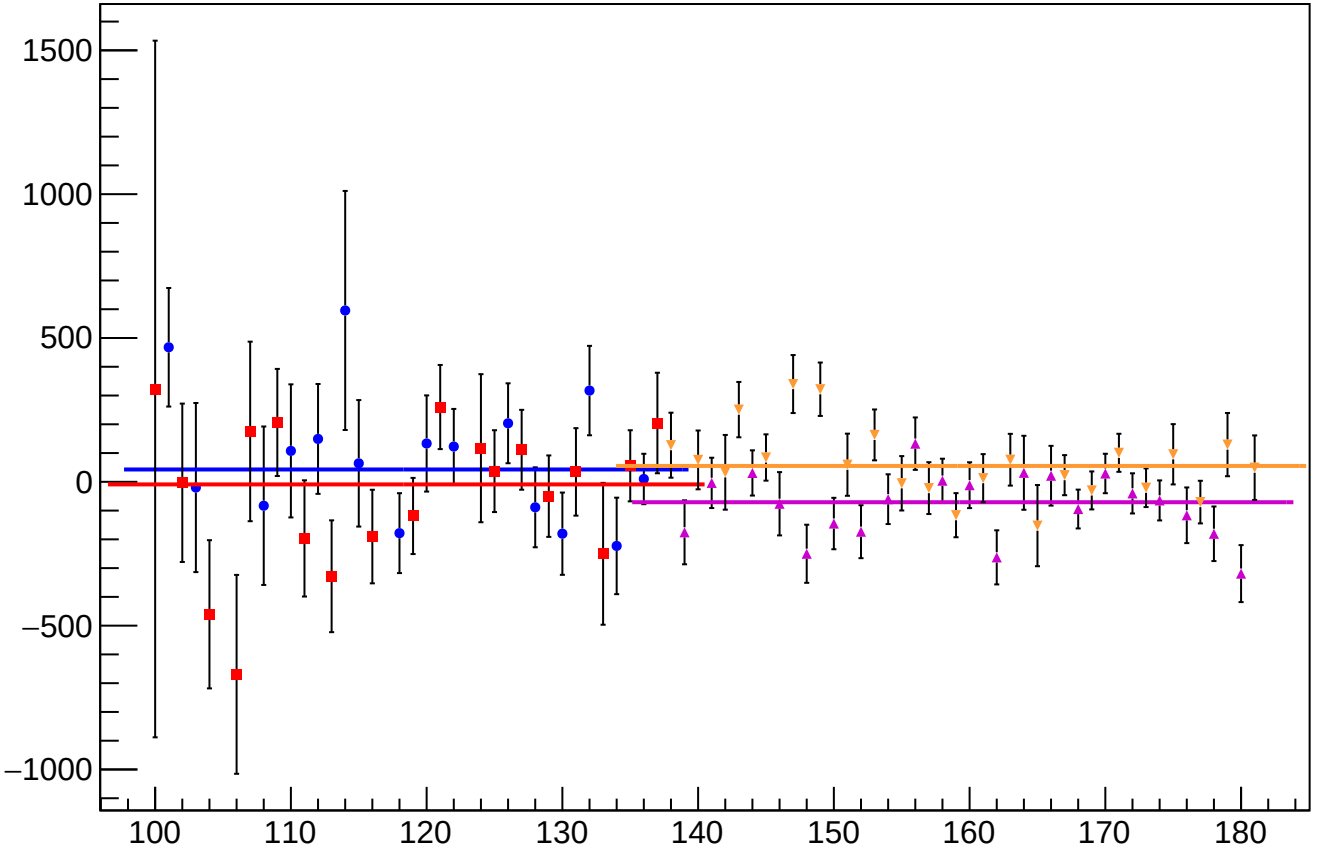
Left In: 483.236+/-0.085 χ^2/NDF:2168964.7/20

+ sign 532.373+/-0.081 χ^2/NDF: 7554645.8/38

All: 531.257+/-0.058 χ^2/NDF: 15424200.8/78

- sign 530.095+/-0.083 χ^2/NDF: 7869168.1/39

dit_asym_sam_3726_avg_mean vs Slug



Right In: 42.914+/-39.948 χ^2/NDF: 20.3/15

Left Out: 55.195+/-18.360 χ^2/NDF:38.2/22

Right Out: -8.989+/-41.060 χ^2/NDF: 21.3/18

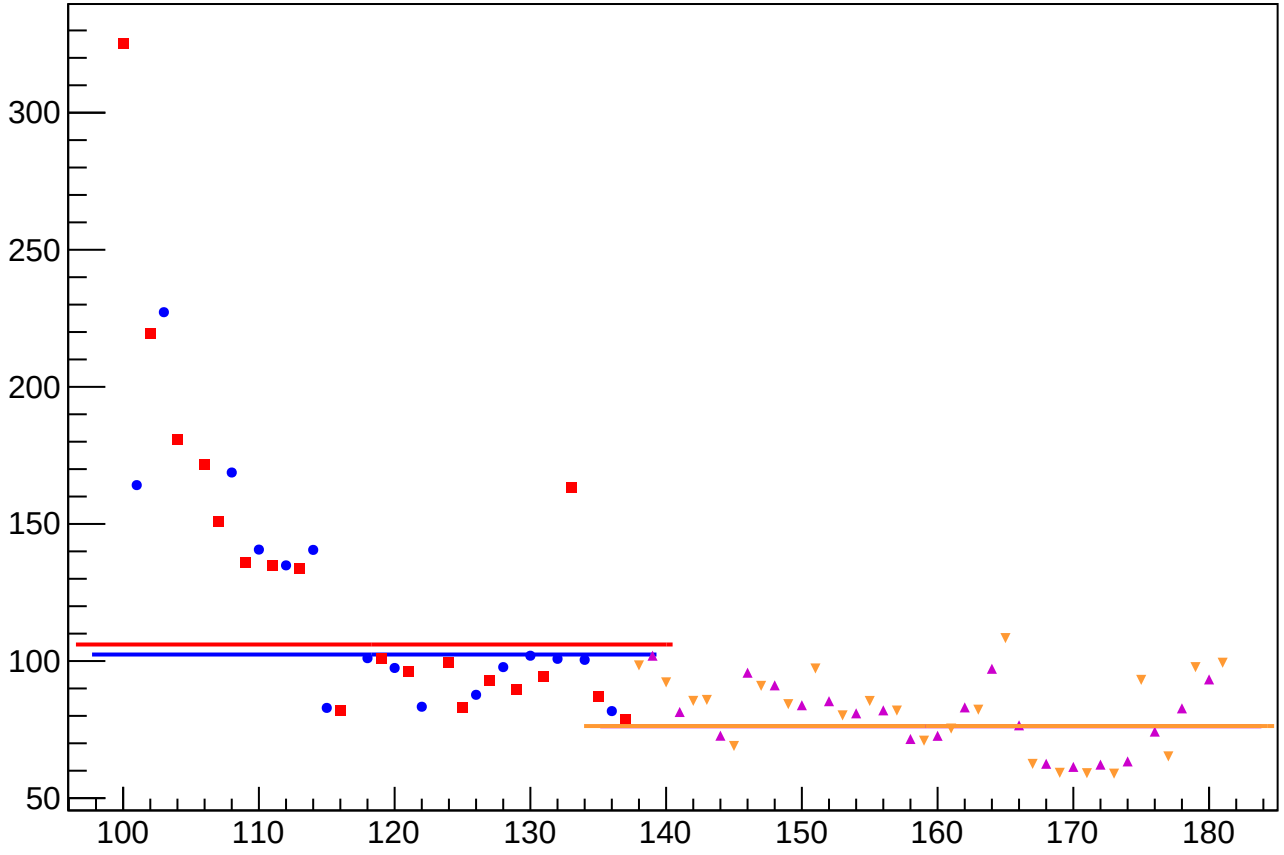
Left In: -70.938+/-18.862 χ^2/NDF:30.6/20

\+ sign 53.053+/-16.682 χ^2/NDF: 58.6/38

All: -2.013+/-11.955 χ^2/NDF: 134.8/78

\- sign -60.143+/-17.140 χ^2/NDF: 53.8/39

dit_asym_sam_3726_avg_rms vs Slug



Right In: 102.378+/-0.028 χ^2/NDF: 982311.5/15

Left Out: 76.287+/-0.013 χ^2/NDF:1194092.4/22

Right Out: 106.032+/-0.029 χ^2/NDF: 1191294.0/18

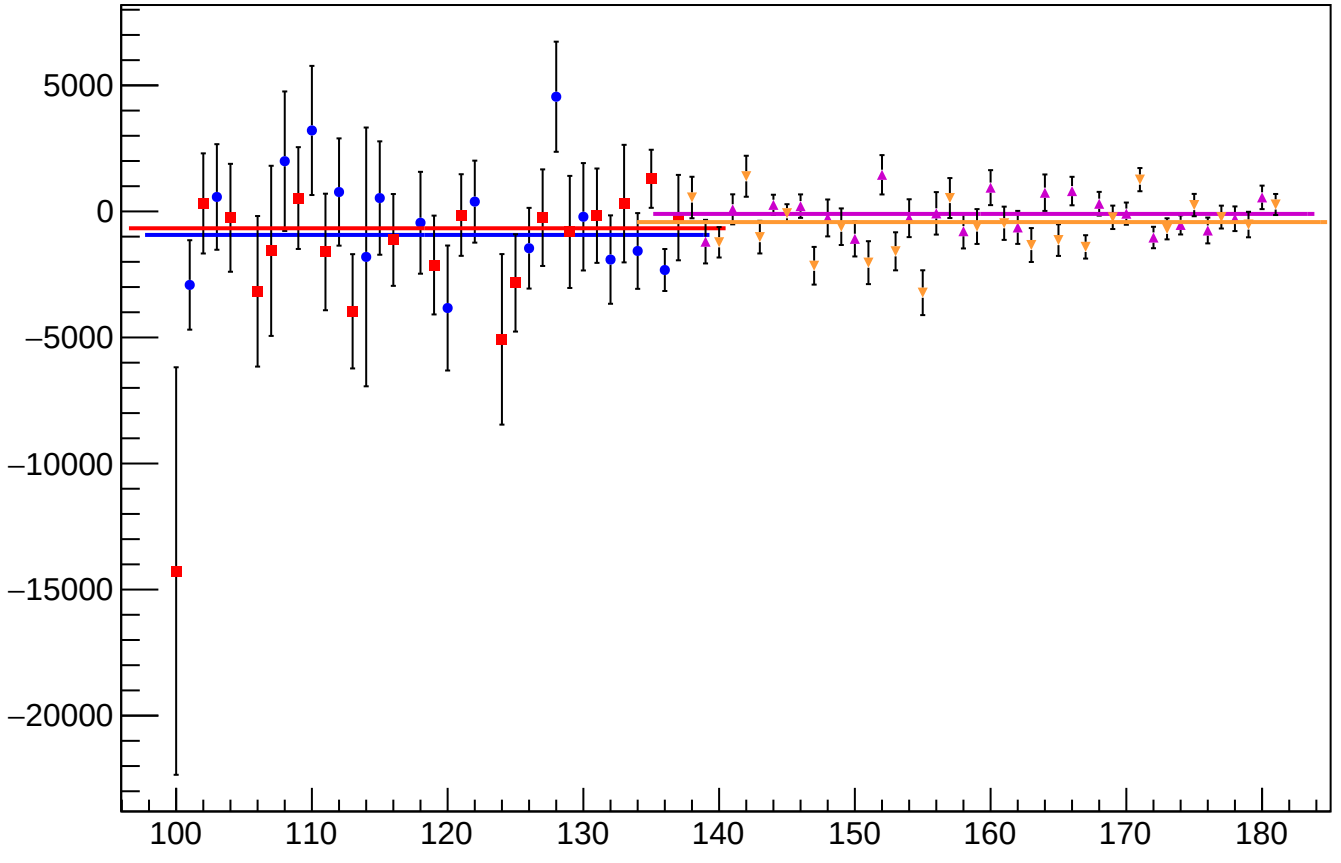
Left In: 76.209+/-0.013 χ^2/NDF:742050.2/20

+ sign 80.838+/-0.012 χ^2/NDF: 2880768.3/38

All: 81.114+/-0.008 χ^2/NDF: 5686534.3/78

- sign 81.406+/-0.012 χ^2/NDF: 2804637.0/39

asym_sam_3726_avg_dit_correction_mean vs Slug



Right In: -932.381+/-442.724 χ^2/NDF: 18.5/15

Left Out: -423.172+/-116.233 χ^2/NDF:59.7/22

Right Out: -668.521+/-463.213 χ^2/NDF: 13.5/18

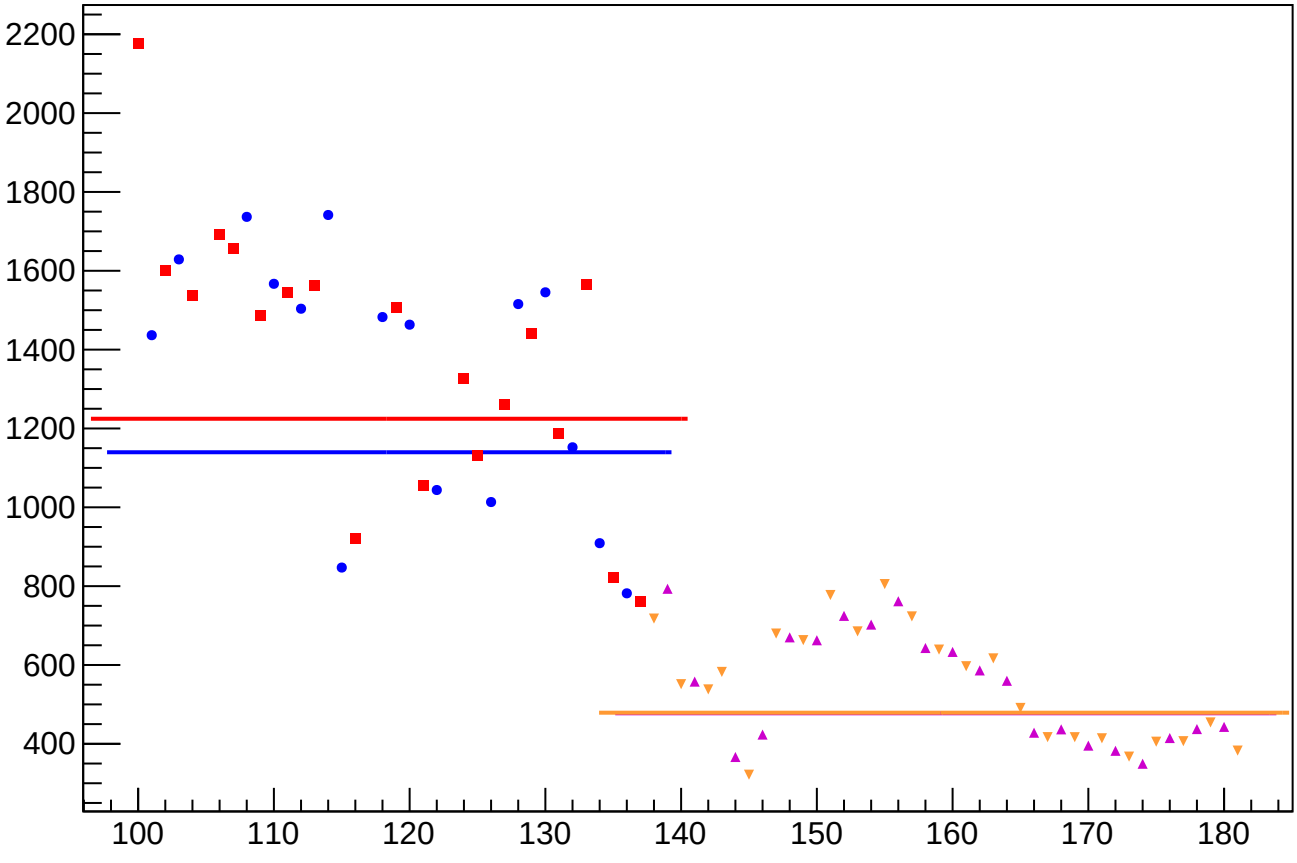
Left In: -99.146+/-119.441 χ^2/NDF:27.6/20

+ sign -456.008+/-112.423 χ^2/NDF: 79.4/38

All: -299.881+/-80.615 χ^2/NDF: 125.8/78

- sign -134.643+/-115.658 χ^2/NDF: 42.4/39

asym_sam_3726_avg_dit_correction_rms vs Slug



Right In: 1139.658+/-0.313 χ^2/NDF: 1093410.3/15

Left Out: 478.978+/-0.082 χ^2/NDF:2495803.7/22

Right Out: 1224.637+/-0.328 χ^2/NDF: 922388.4/18

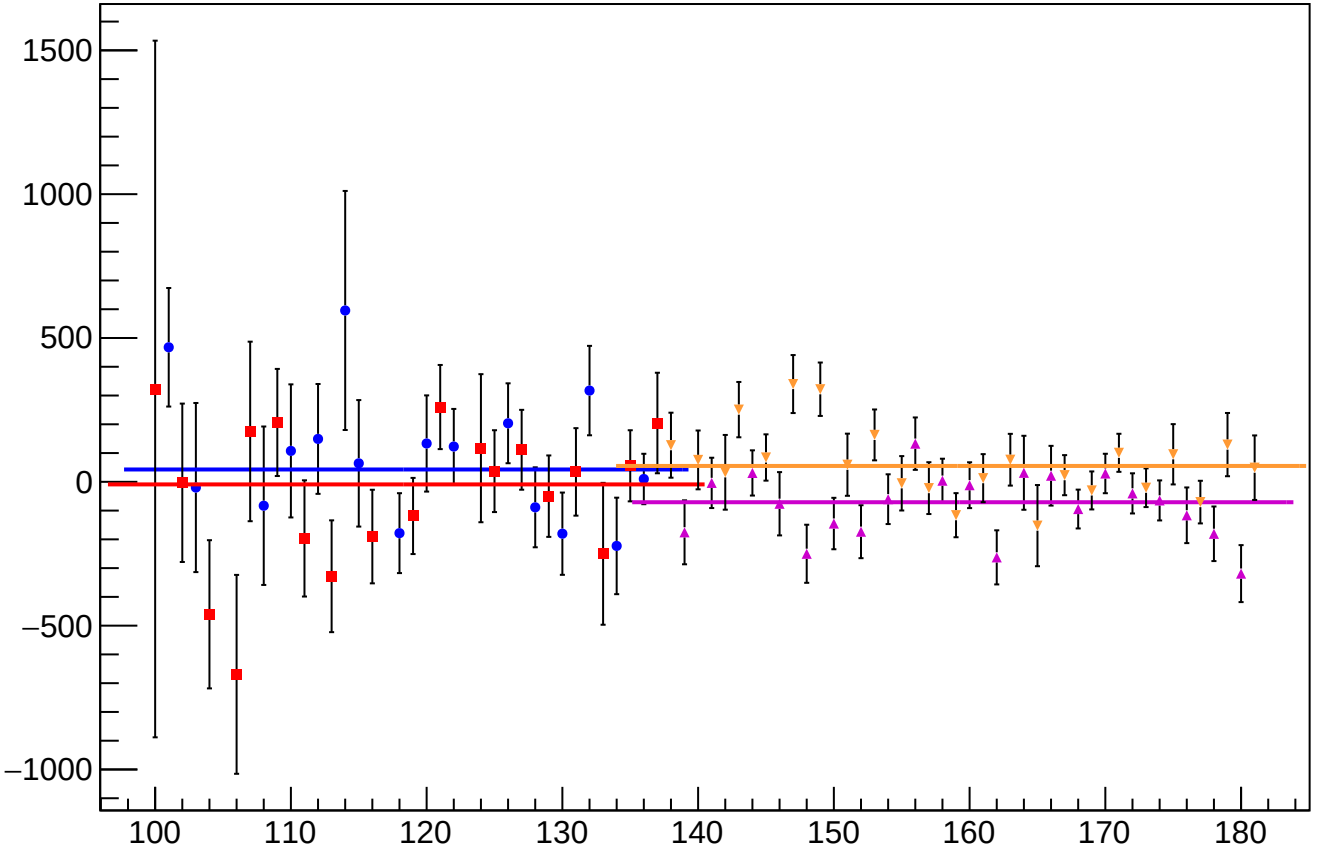
Left In: 477.437+/-0.084 χ^2/NDF:2150463.0/20

+ sign 521.580+/-0.079 χ^2/NDF: 7755957.1/38

All: 522.766+/-0.057 χ^2/NDF: 15708892.6/78

- sign 524.020+/-0.082 χ^2/NDF: 7952478.0/39

eigen_dit_asym_sam_3726_avg_mean vs Slug



Right In: 42.914+/-39.948 χ^2/NDF: 20.3/15

Left Out: 55.194+/-18.360 χ^2/NDF:38.2/22

Right Out: -8.986+/-41.060 χ^2/NDF: 21.3/18

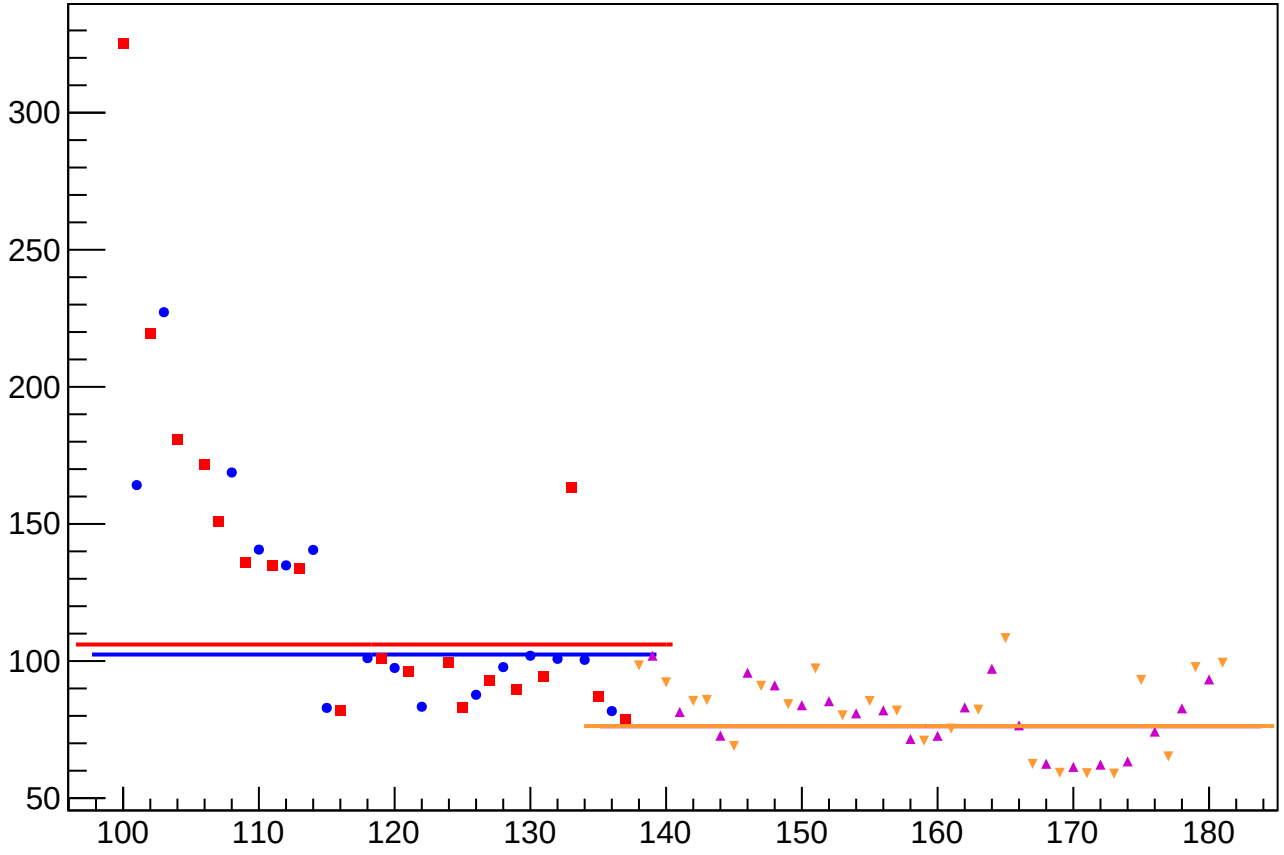
Left In: -70.937+/-18.862 χ^2/NDF:30.6/20

+ sign 53.053+/-16.682 χ^2/NDF: 58.6/38

All: -2.013+/-11.955 χ^2/NDF: 134.8/78

- sign -60.142+/-17.140 χ^2/NDF: 53.8/39

eigen_dit_asym_sam_3726_avg_rms vs Slug



Right In: 102.378+/-0.028 χ^2/NDF: 982307.0/15

Left Out: 76.288+/-0.013 χ^2/NDF:1194093.7/22

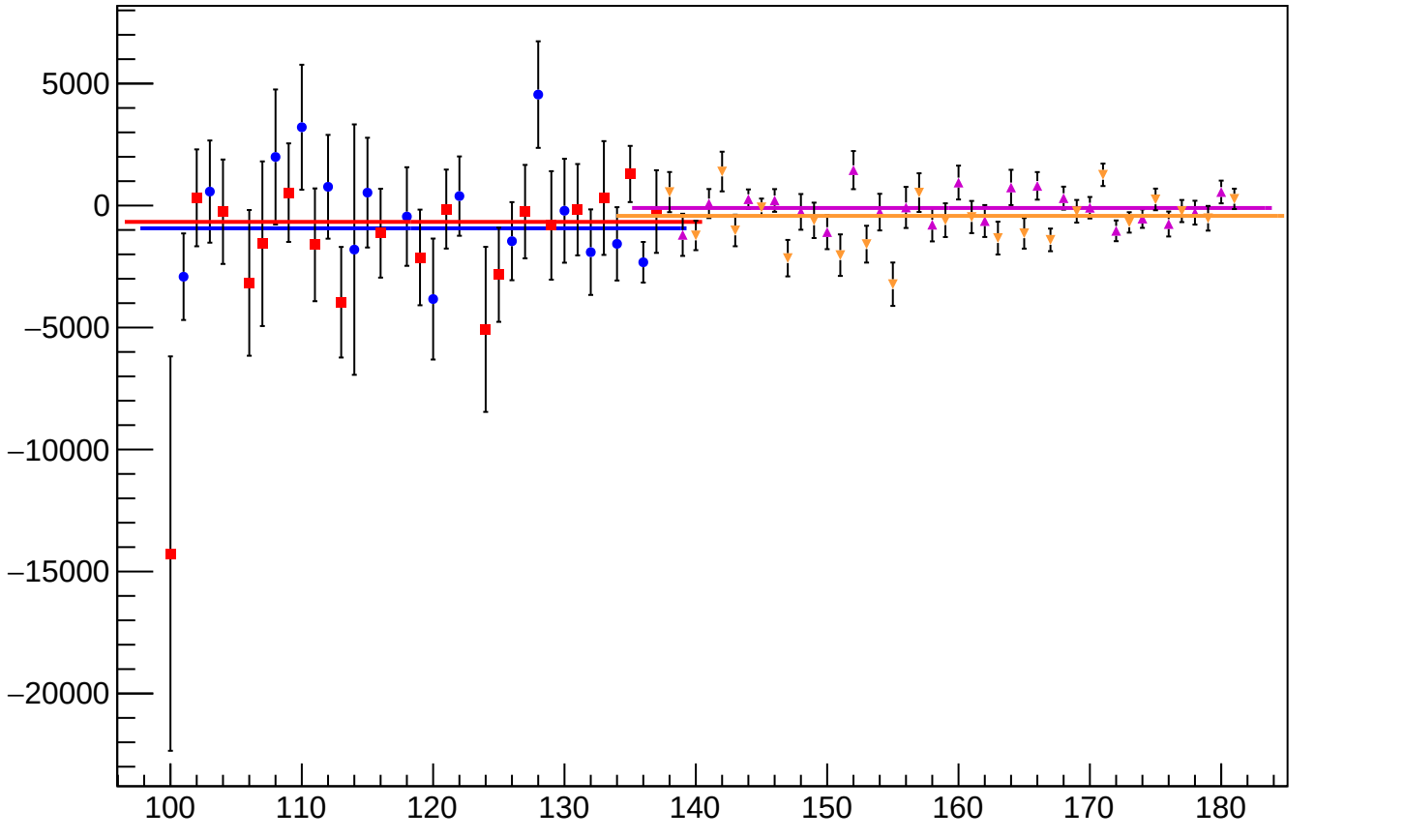
Right Out: 106.032+/-0.029 χ^2/NDF: 1191296.9/18

Left In: 76.209+/-0.013 χ^2/NDF:742043.7/20

+ sign 80.838+/-0.012 χ^2/NDF: 2880740.8/38

All: 81.114+/-0.008 χ^2/NDF: 5686480.4/78

- sign 81.406+/-0.012 χ^2/NDF: 2804610.5/39



Right In: -932.377+/-442.724 χ^2/NDF: 18.5/15

Left Out: -423.172+/-116.233 χ^2/NDF:59.7/22

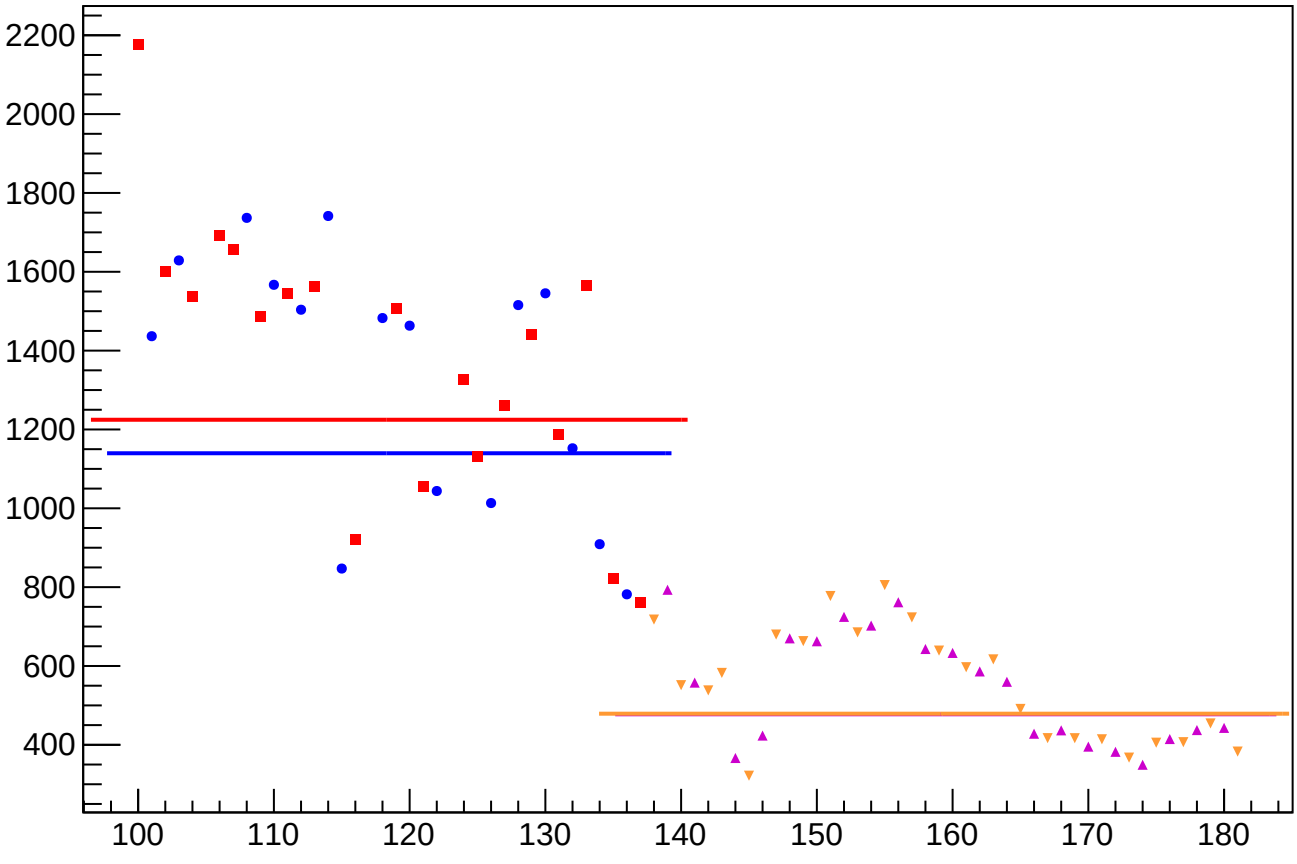
Right Out: -668.522+/-463.212 χ^2/NDF: 13.5/18

Left In: -99.145+/-119.441 χ^2/NDF:27.6/20

+ sign -456.007+/-112.423 χ^2/NDF: 79.4/38

All: -299.881+/-80.615 χ^2/NDF: 125.8/78

- sign -134.642+/-115.658 χ^2/NDF: 42.4/39



Right In: 1139.656+/-0.313 χ^2/NDF: 1093397.5/15

Left Out: 478.977+/-0.082 χ^2/NDF:2495808.8/22

Right Out: 1224.635+/-0.328 χ^2/NDF: 922378.0/18

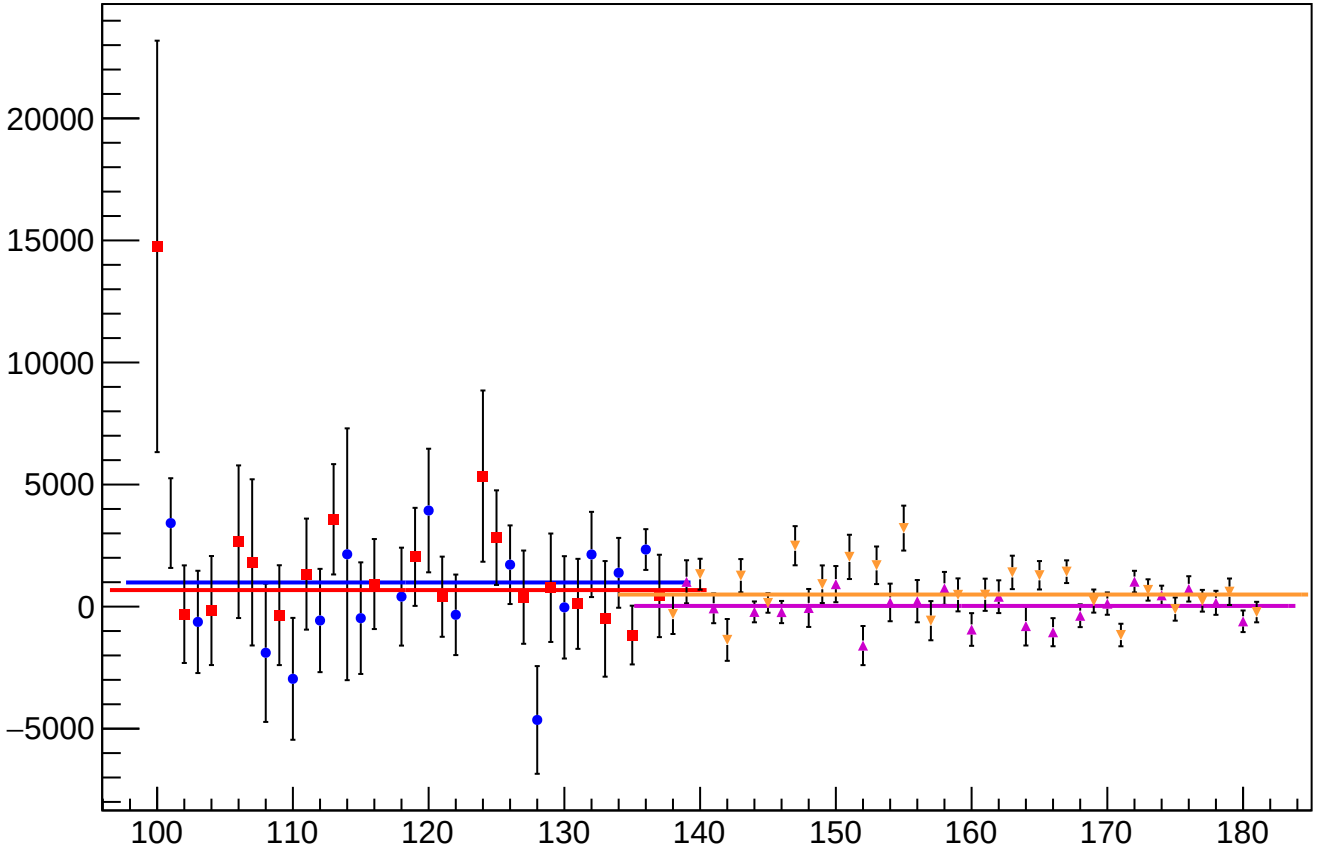
Left In: 477.437+/-0.084 χ^2/NDF:2150456.7/20

+ sign 521.580+/-0.079 χ^2/NDF: 7755951.6/38

All: 522.765+/-0.057 χ^2/NDF: 15708865.5/78

- sign 524.020+/-0.082 χ^2/NDF: 7952456.4/39

asym_sam_3726_avg_mean vs Slug



Right In: 989.322+/-442.634 χ^2/NDF: 19.0/15

Left Out: 495.056+/-119.703 χ^2/NDF:57.7/22

Right Out: 677.628+/-469.652 χ^2/NDF: 11.9/18

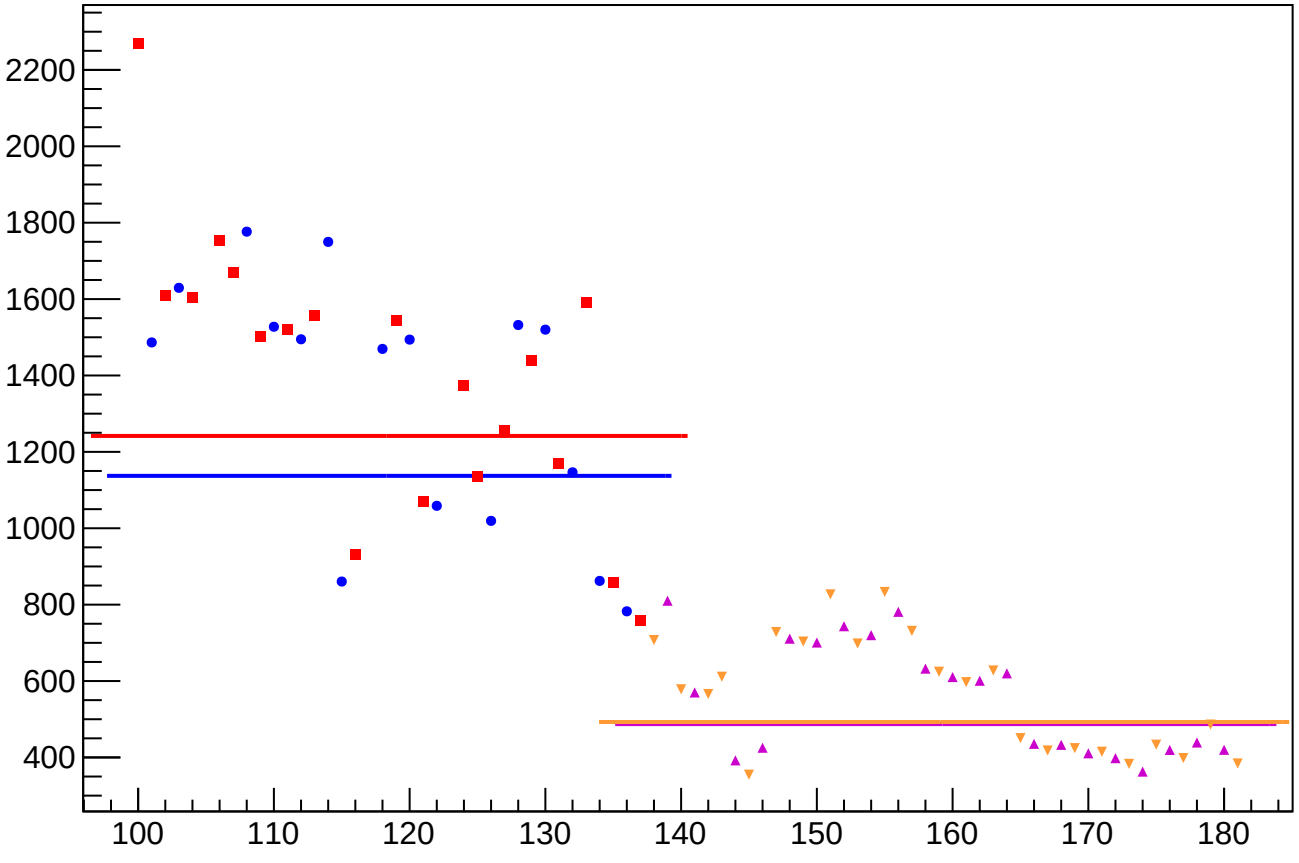
Left In: 28.410+/-121.781 χ^2/NDF:26.6/20

+ sign 528.740+/-115.552 χ^2/NDF: 77.9/38

All: 303.612+/-82.519 χ^2/NDF: 126.0/78

- sign 69.312+/-117.883 χ^2/NDF: 40.3/39

asym_sam_3726_avg_rms vs Slug



Right In: 1137.220+/-0.313 χ^2/NDF: 1123685.6/15

Left Out: 492.766+/-0.085 χ^2/NDF:2420750.7/22

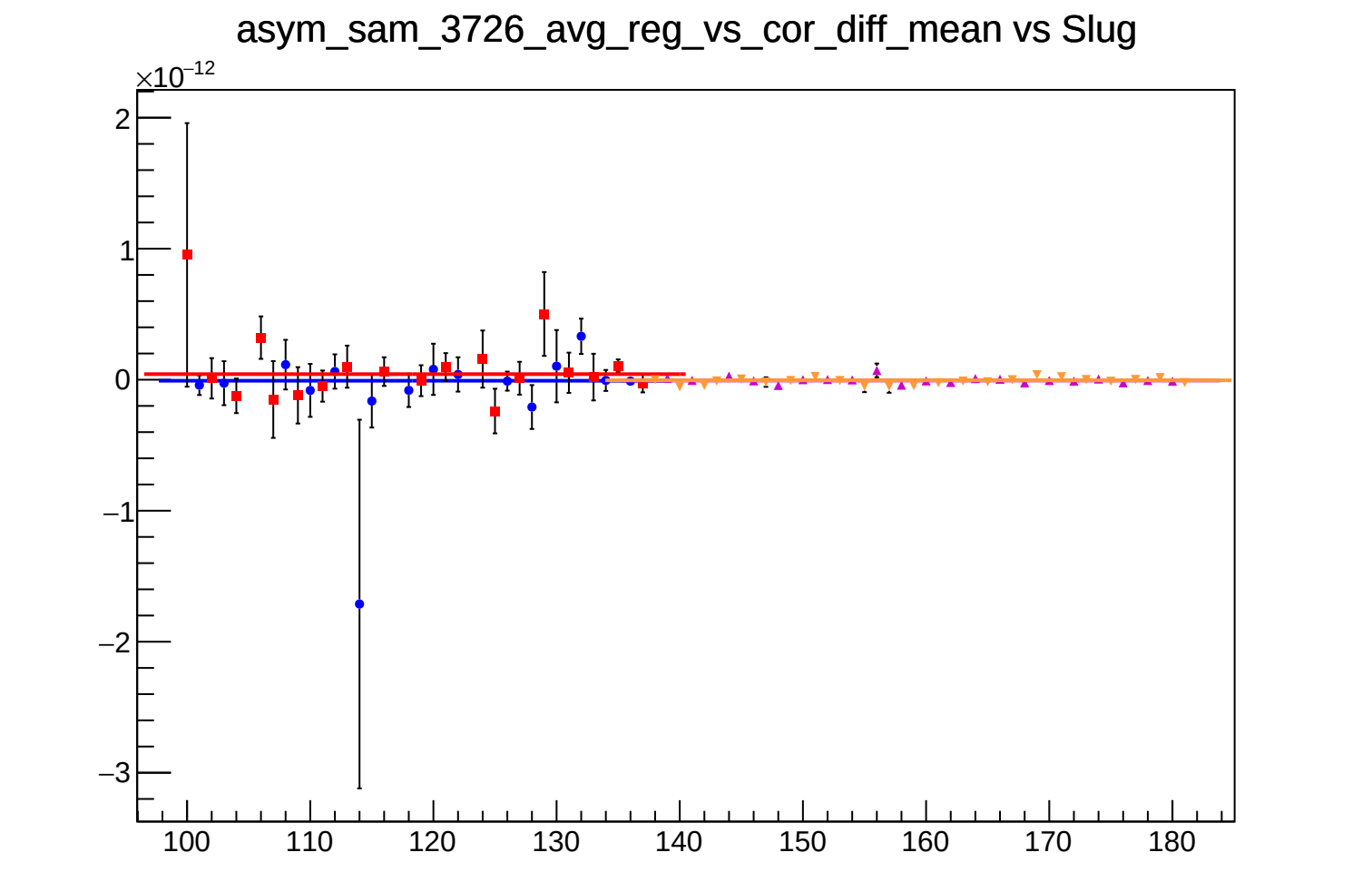
Right Out: 1241.709+/-0.332 χ^2/NDF: 899417.9/18

Left In: 487.269+/-0.086 χ^2/NDF:2141450.8/20

+ sign 536.685+/-0.082 χ^2/NDF: 7495098.7/38

All: 535.761+/-0.058 χ^2/NDF: 15372009.7/78

- sign 534.800+/-0.083 χ^2/NDF: 7876650.0/39



Right In: -0.000+/-0.000 χ^2/NDF: 11.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:28.7/22

Right Out: 0.000+/-0.000 χ^2/NDF: 15.5/18

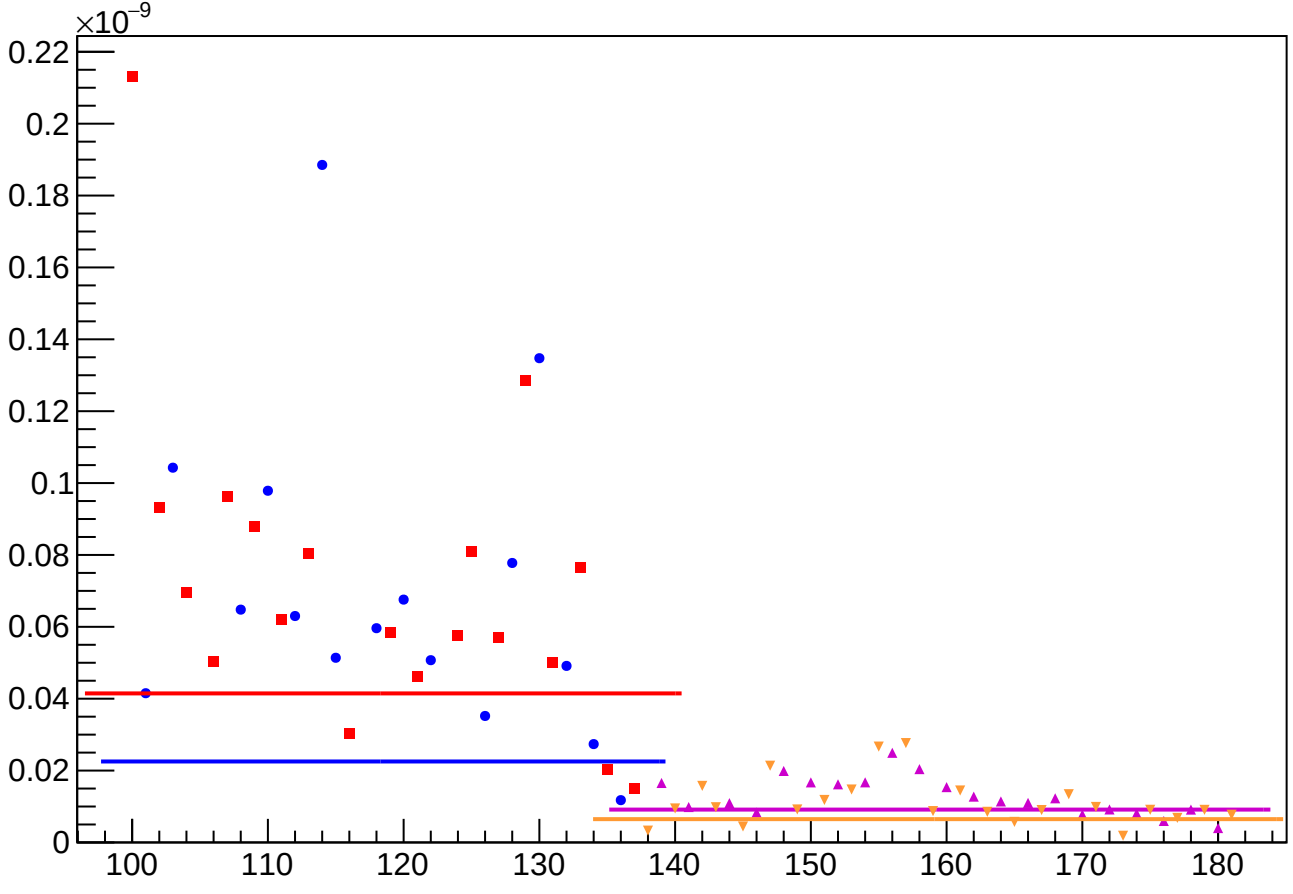
Left In: -0.000+/-0.000 χ^2/NDF:13.5/20

+ sign -0.000+/-0.000 χ^2/NDF: 40.5/38

All: -0.000+/-0.000 χ^2/NDF: 72.6/78

- sign -0.000+/-0.000 χ^2/NDF: 32.2/39

asym_sam_3726_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2852766.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:3721567.2/22

Right Out: 0.000+/-0.000 χ^2/NDF: 1847735.6/18

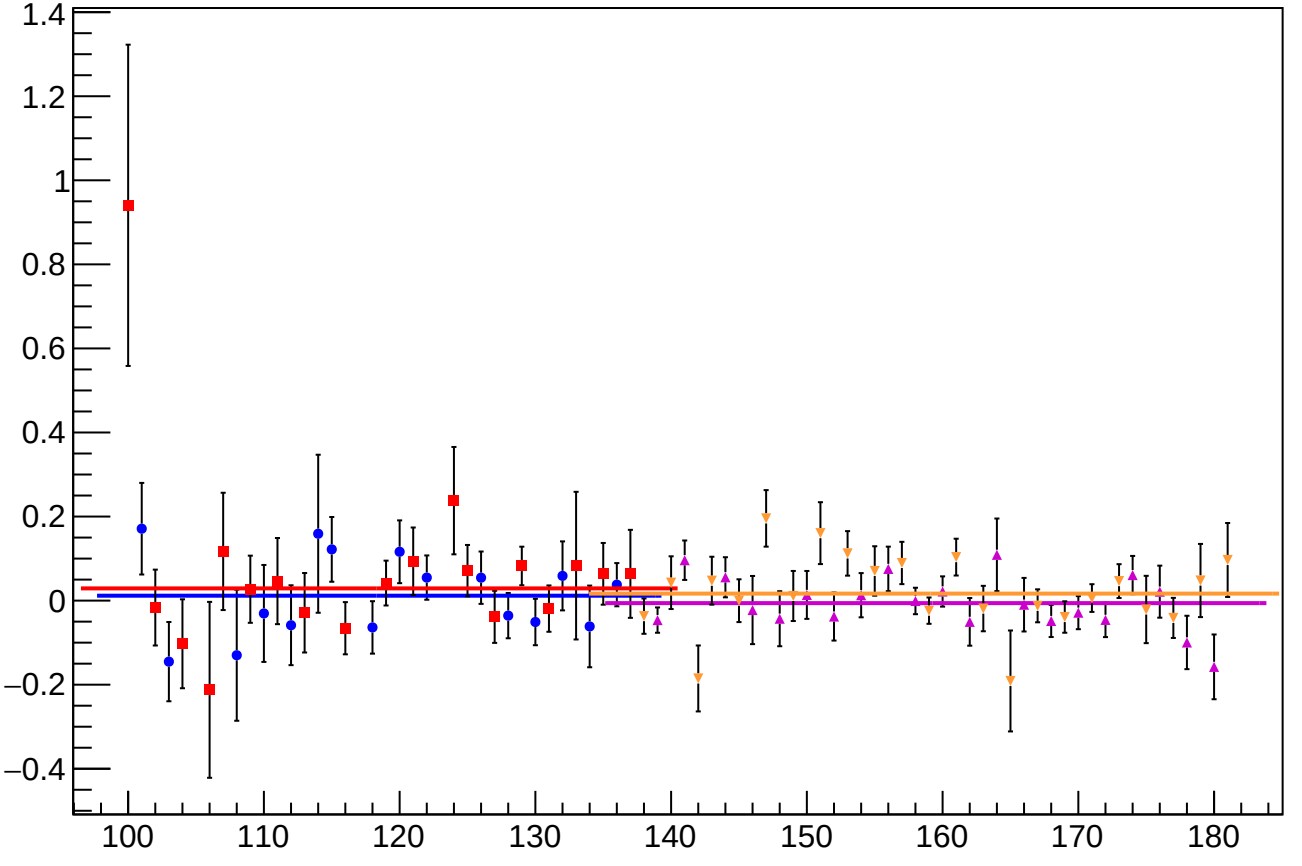
Left In: 0.000+/-0.000 χ^2/NDF:2215303.6/20

+ sign 0.000+/-0.000 χ^2/NDF: 8228583.0/38

All: 0.000+/-0.000 χ^2/NDF: 15700655.2/78

- sign 0.000+/-0.000 χ^2/NDF: 6852289.9/39

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: 0.017+/-0.010 χ^2/NDF:41.0/22

Right Out: 0.029+/-0.018 χ^2/NDF: 19.5/18

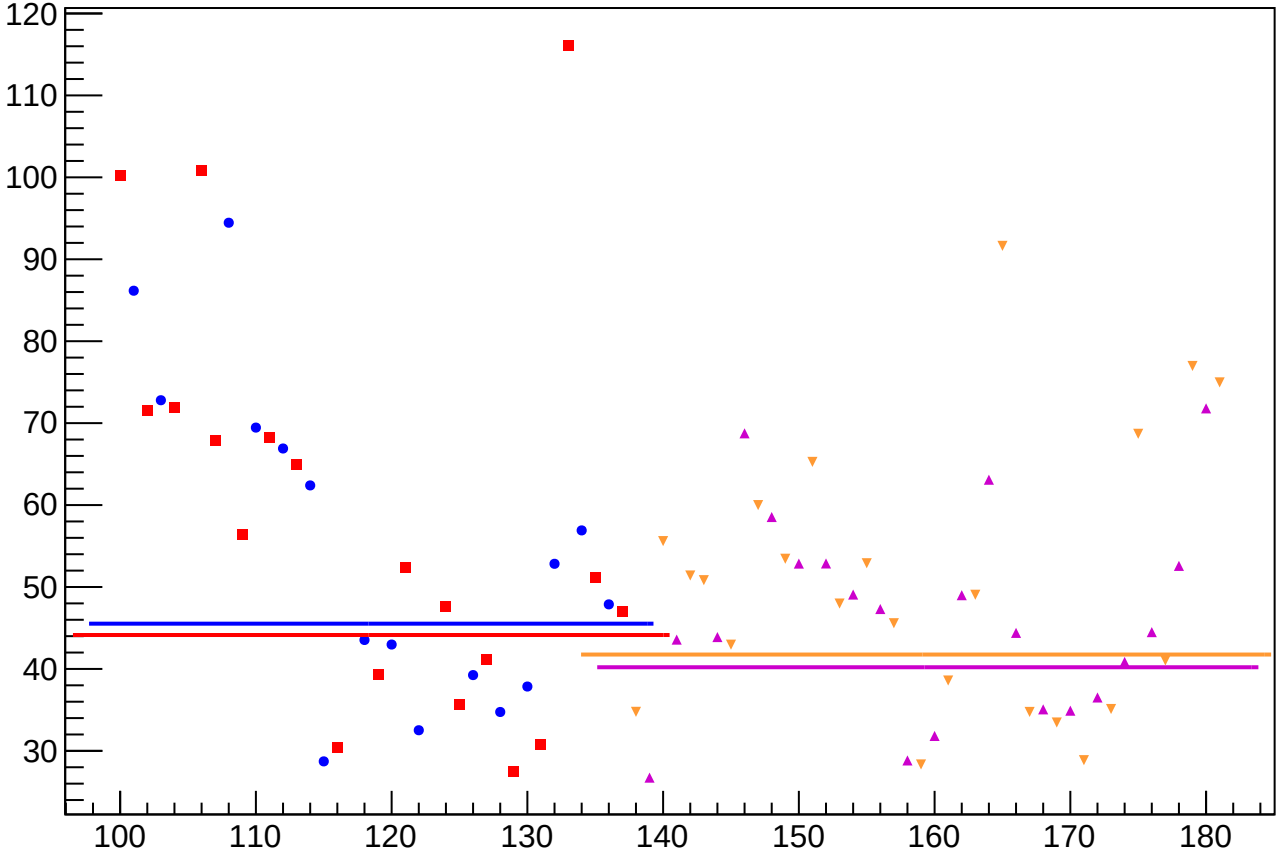
Left In: -0.006+/-0.010 χ^2/NDF:25.4/20

+ sign 0.015+/-0.009 χ^2/NDF: 57.9/38

All: 0.009+/-0.006 χ^2/NDF: 106.7/78

- sign 0.003+/-0.009 χ^2/NDF: 47.8/39

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: 41.757+/-0.007 χ^2/NDF:2894938.3/22

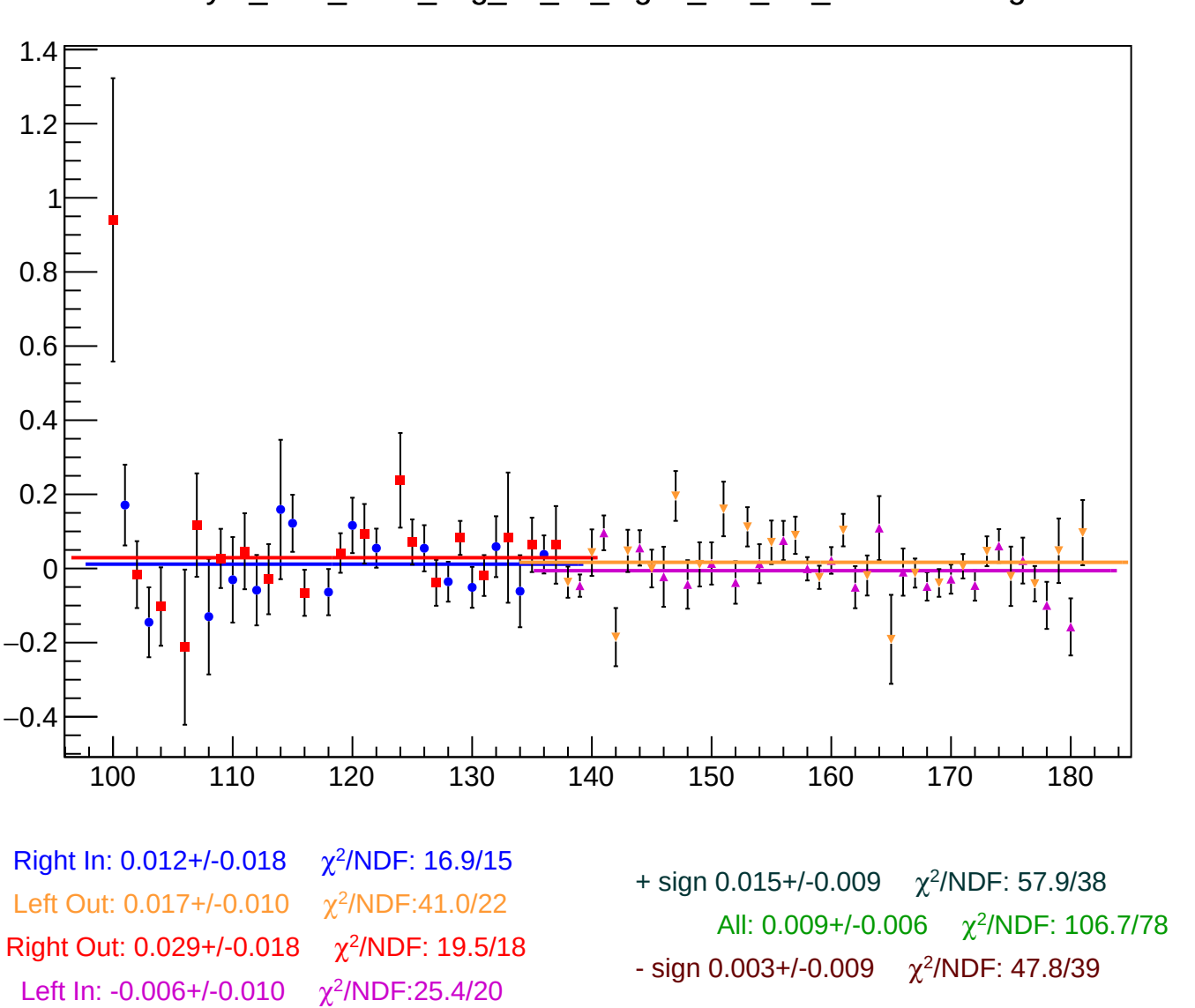
Right Out: 44.141+/-0.013 χ^2/NDF: 1743430.9/18

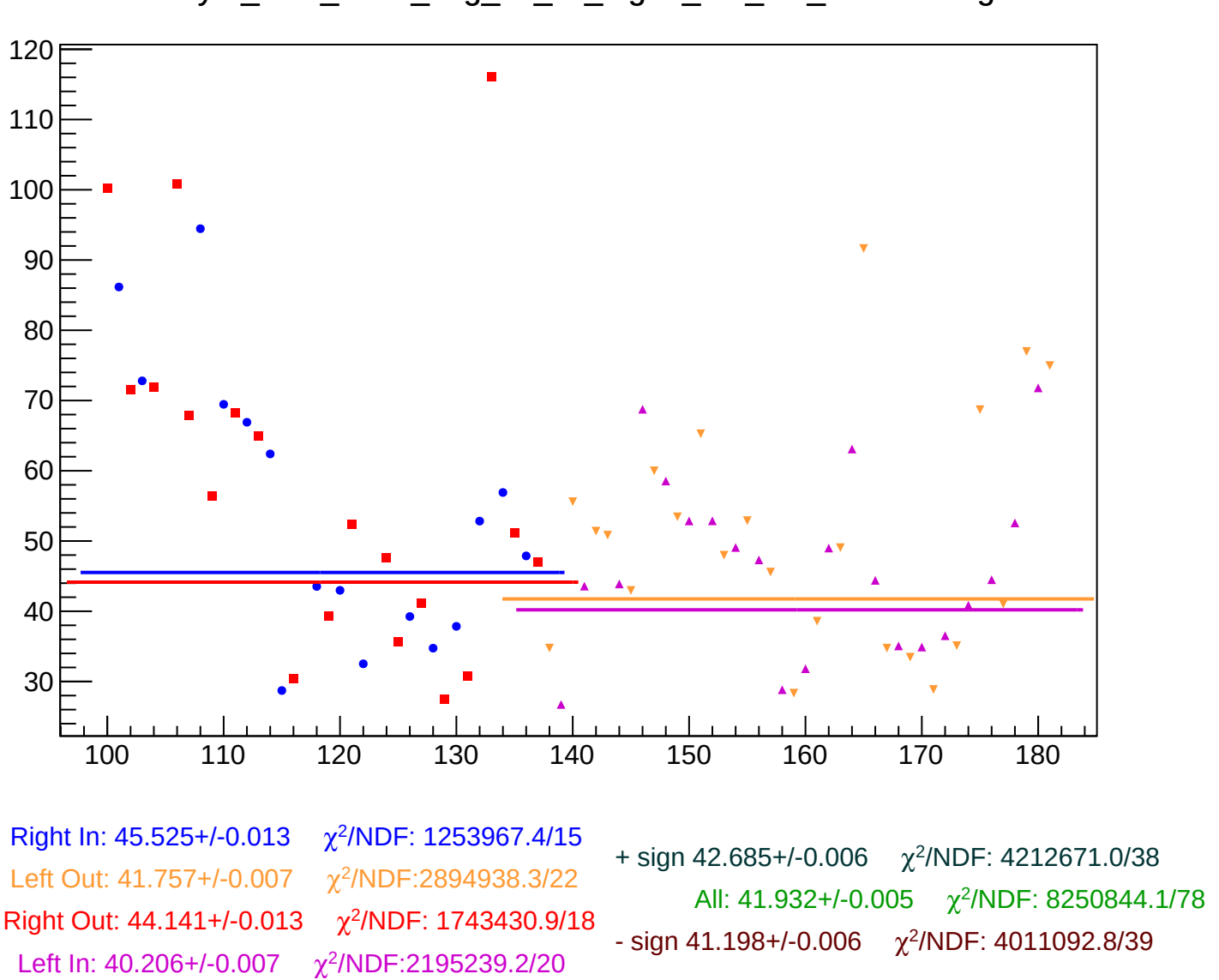
Left In: 40.206+/-0.007 χ^2/NDF:2195239.2/20

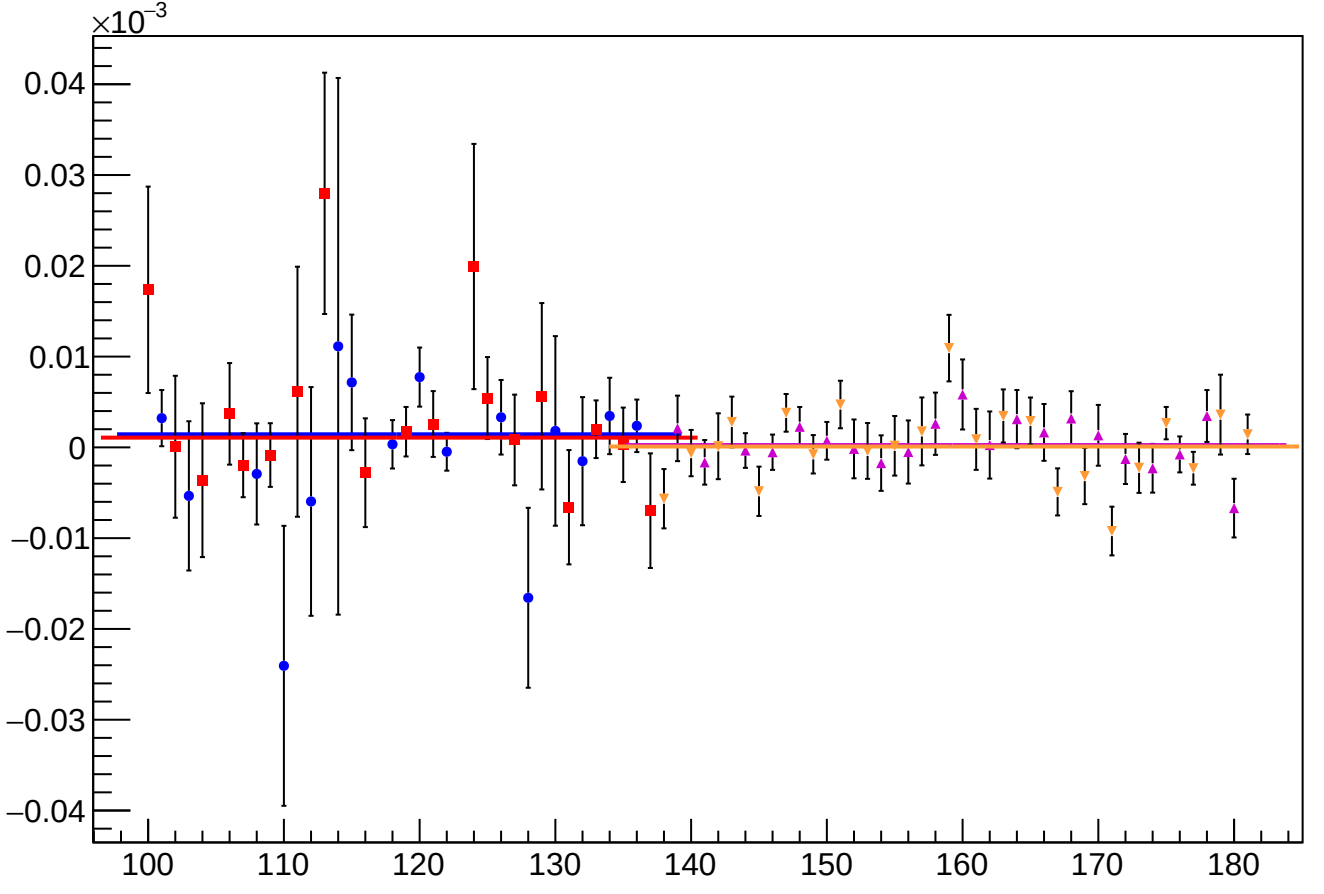
+ sign 42.685+/-0.006 χ^2/NDF: 4212671.0/38

All: 41.932+/-0.005 χ^2/NDF: 8250844.1/78

- sign 41.198+/-0.006 χ^2/NDF: 4011092.8/39


asym_sam_3726_avg_dit_vs_eigen_cor_diff_mean vs Slug
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: 0.012+/-0.018 χ²/NDF: 16.9/15
Left Out: 0.017+/-0.010 χ²/NDF:41.0/22
Right Out: 0.029+/-0.018 χ²/NDF: 19.5/18
Left In: -0.006+/-0.010 χ²/NDF:25.4/20
+ sign 0.015+/-0.009 χ²/NDF: 57.9/38
All: 0.009+/-0.006 χ²/NDF: 106.7/78
- sign 0.003+/-0.009 χ²/NDF: 47.8/39


asym_sam_3726_avg_dit_vs_eigen_cor_diff_rms vs Slug
120
110
100
90
80
70
60
50
40
30
100
110
120
130
140
150
160
170
180
Right In: 45.525+/-0.013 χ²/NDF: 1253967.4/15
Left Out: 41.757+/-0.007 χ²/NDF:2894938.3/22
Right Out: 44.141+/-0.013 χ²/NDF: 1743430.9/18
Left In: 40.206+/-0.007 χ²/NDF:2195239.2/20
+ sign 42.685+/-0.006 χ²/NDF: 4212671.0/38
All: 41.932+/-0.005 χ²/NDF: 8250844.1/78
- sign 41.198+/-0.006 χ²/NDF: 4011092.8/39



Right In: 0.000+/-0.000 χ^2/NDF: 14.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:47.9/22

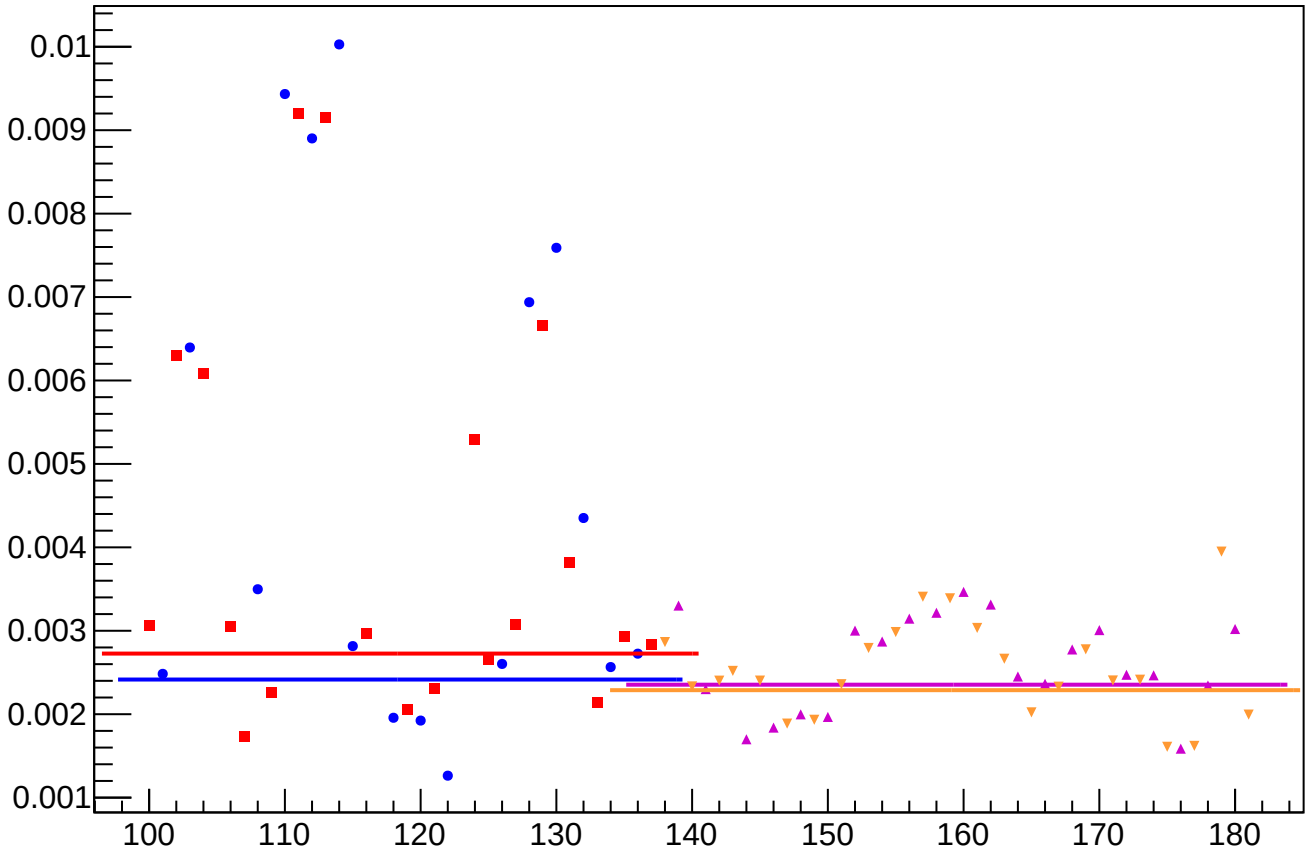
Right Out: 0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: 0.000+/-0.000 χ^2/NDF:14.5/20

+ sign 0.000+/-0.000 χ^2/NDF: 63.4/38

All: 0.000+/-0.000 χ^2/NDF: 93.1/78

- sign 0.000+/-0.000 χ^2/NDF: 29.7/39



Right In: 0.002+/-0.000 χ^2/NDF: 3432108.8/15

Left Out: 0.002+/-0.000 χ^2/NDF:1812902.1/22

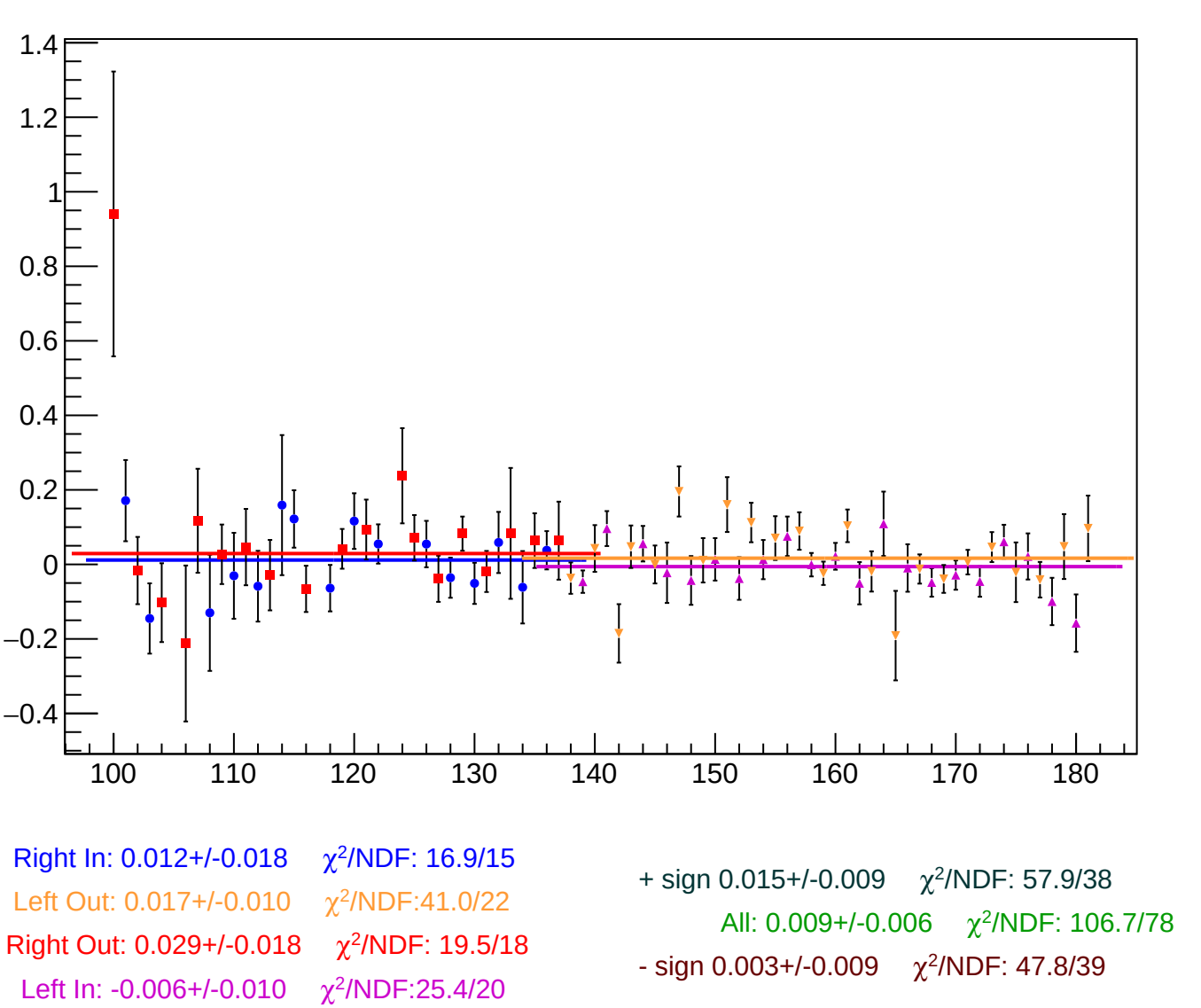
Right Out: 0.003+/-0.000 χ^2/NDF: 2505080.1/18

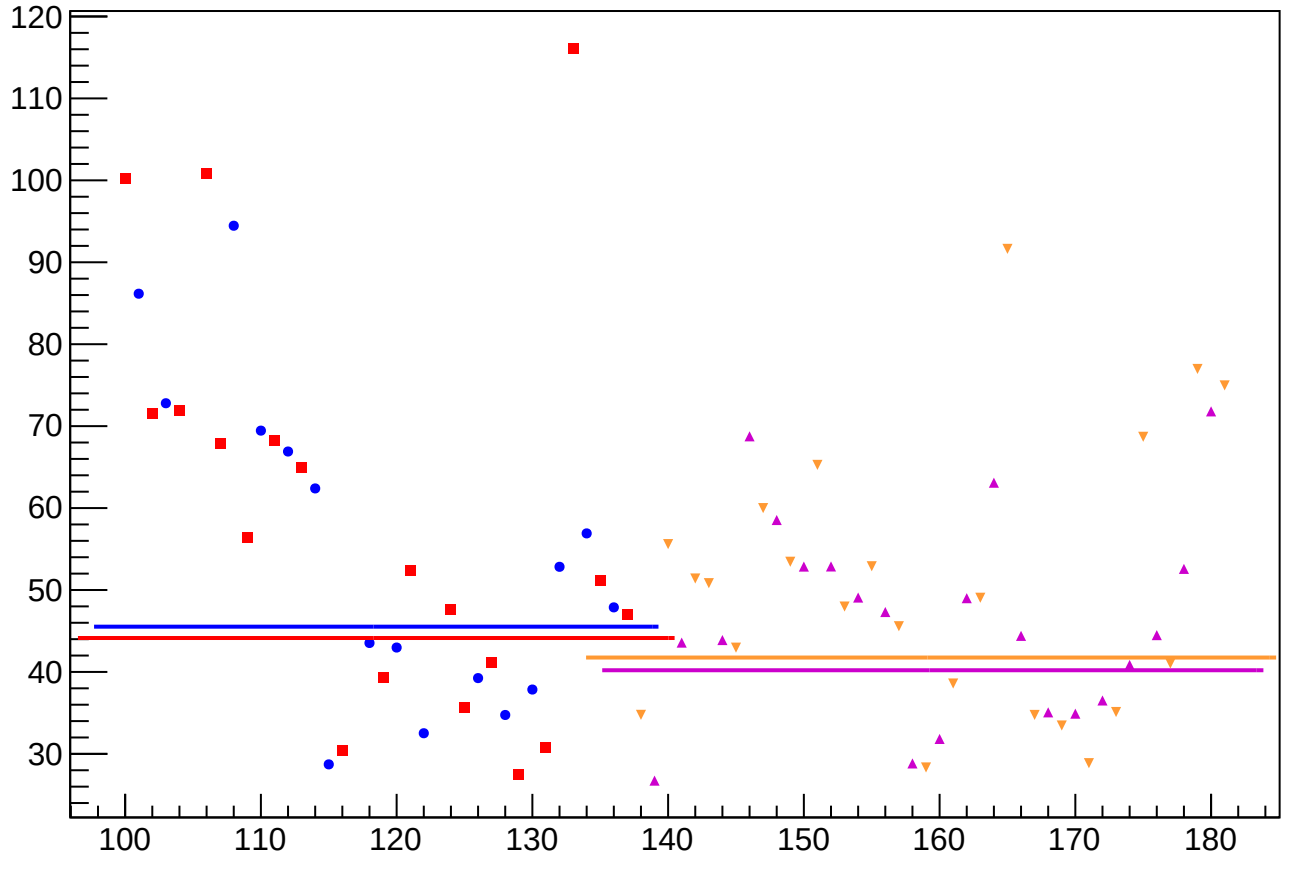
Left In: 0.002+/-0.000 χ^2/NDF:1814837.3/20

+ sign 0.002+/-0.000 χ^2/NDF: 5268420.1/38

All: 0.002+/-0.000 χ^2/NDF: 9816551.3/78

- sign 0.002+/-0.000 χ^2/NDF: 4493029.5/39


asym_sam_3726_avg_eigen_dit_vs_cor_diff_mean vs Slug
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: 0.012+/-0.018 χ²/NDF: 16.9/15
Left Out: 0.017+/-0.010 χ²/NDF:41.0/22
Right Out: 0.029+/-0.018 χ²/NDF: 19.5/18
Left In: -0.006+/-0.010 χ²/NDF:25.4/20
+ sign 0.015+/-0.009 χ²/NDF: 57.9/38
All: 0.009+/-0.006 χ²/NDF: 106.7/78
- sign 0.003+/-0.009 χ²/NDF: 47.8/39



Right In: 45.525+/-0.013 χ^2/NDF: 1253922.0/15

Left Out: 41.757+/-0.007 χ^2/NDF:2894972.6/22

Right Out: 44.141+/-0.013 χ^2/NDF: 1743351.0/18

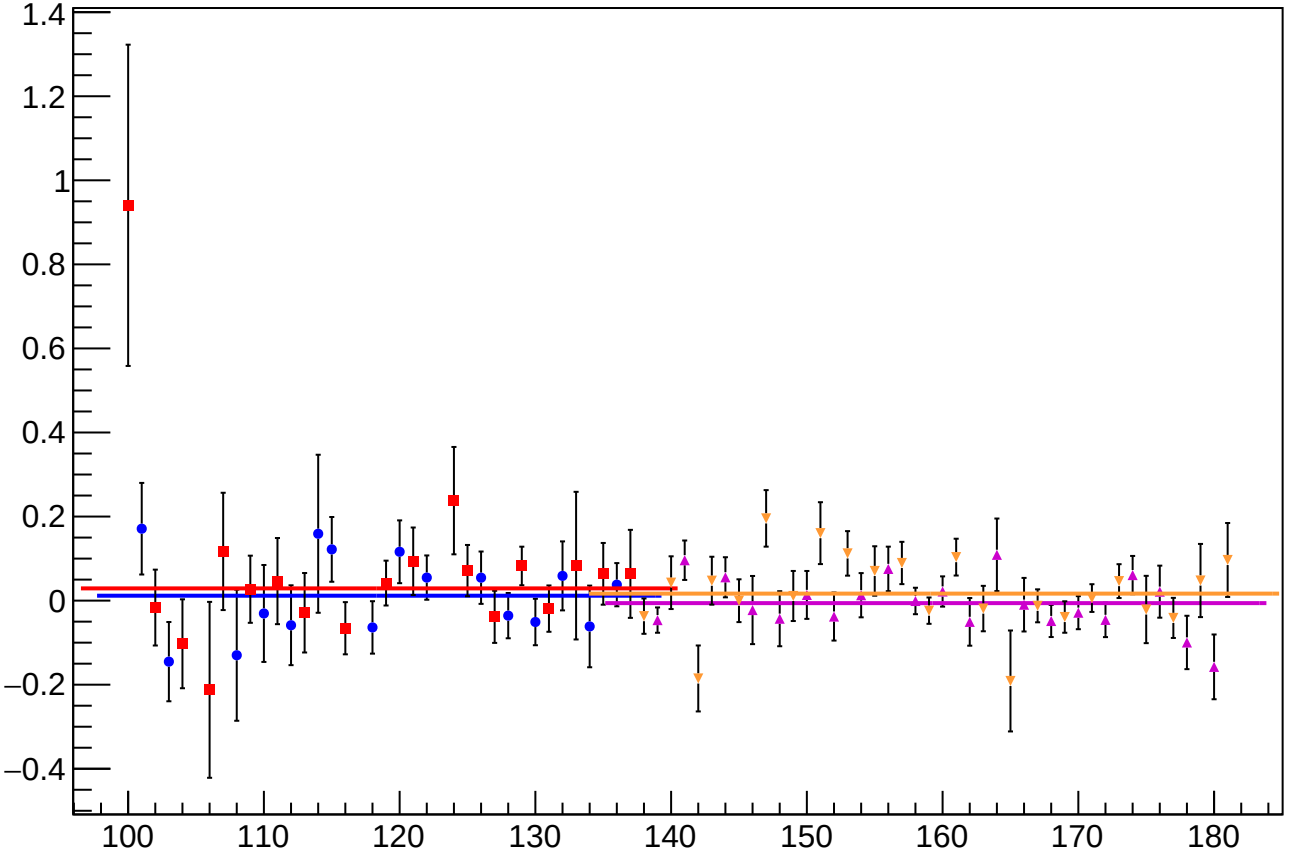
Left In: 40.206+/-0.007 χ^2/NDF:2195267.7/20

+ sign 42.686+/-0.006 χ^2/NDF: 4212650.5/38

All: 41.933+/-0.005 χ^2/NDF: 8250767.7/78

- sign 41.199+/-0.006 χ^2/NDF: 4011041.7/39

asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.017+/-0.010 χ^2/NDF:41.0/22

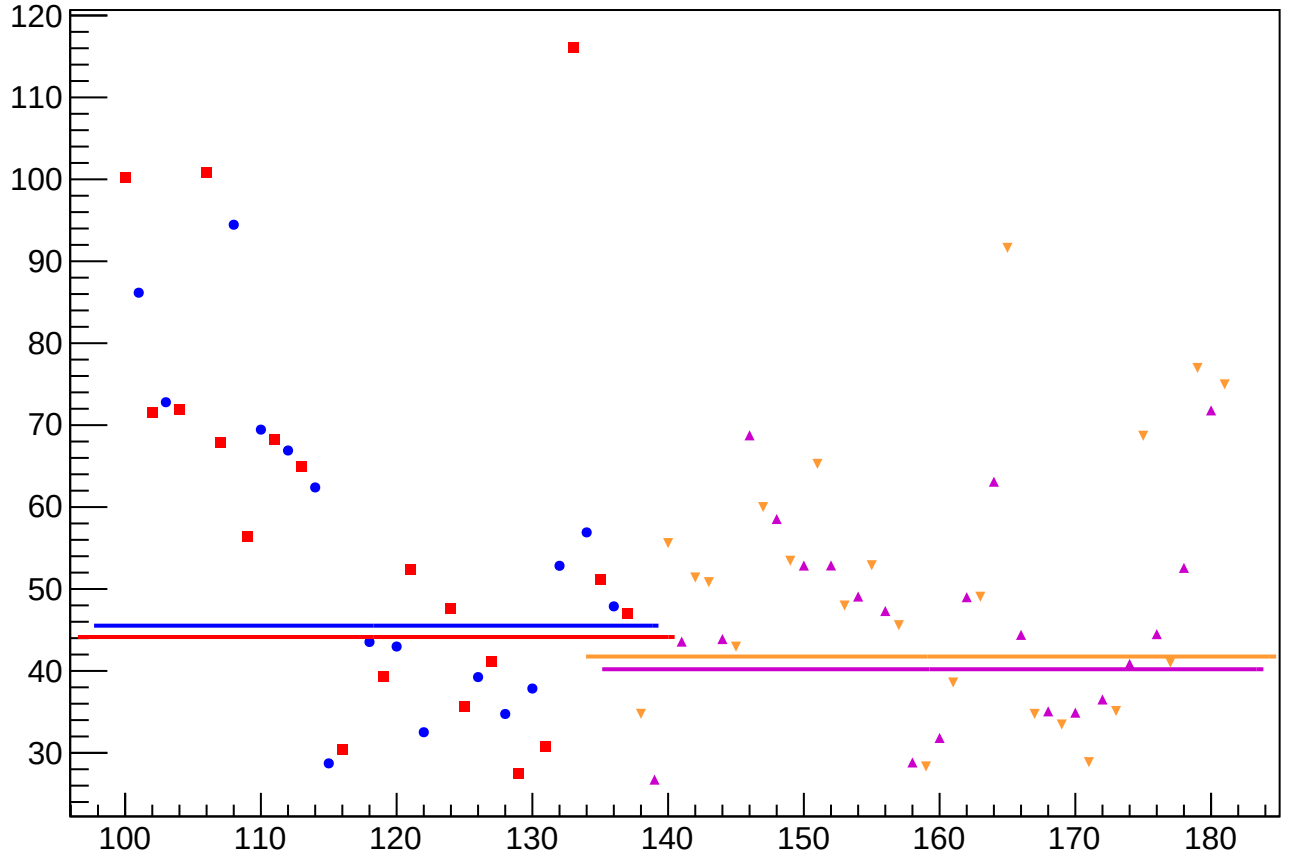
Right Out: 0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: -0.006+/-0.010 χ^2/NDF:25.4/20

+ sign 0.015+/-0.009 χ^2/NDF: 57.9/38

All: 0.009+/-0.006 χ^2/NDF: 106.7/78

- sign 0.003+/-0.009 χ^2/NDF: 47.8/39



Right In: 45.525+/-0.013 χ^2/NDF: 1253922.0/15

Left Out: 41.757+/-0.007 χ^2/NDF:2894972.6/22

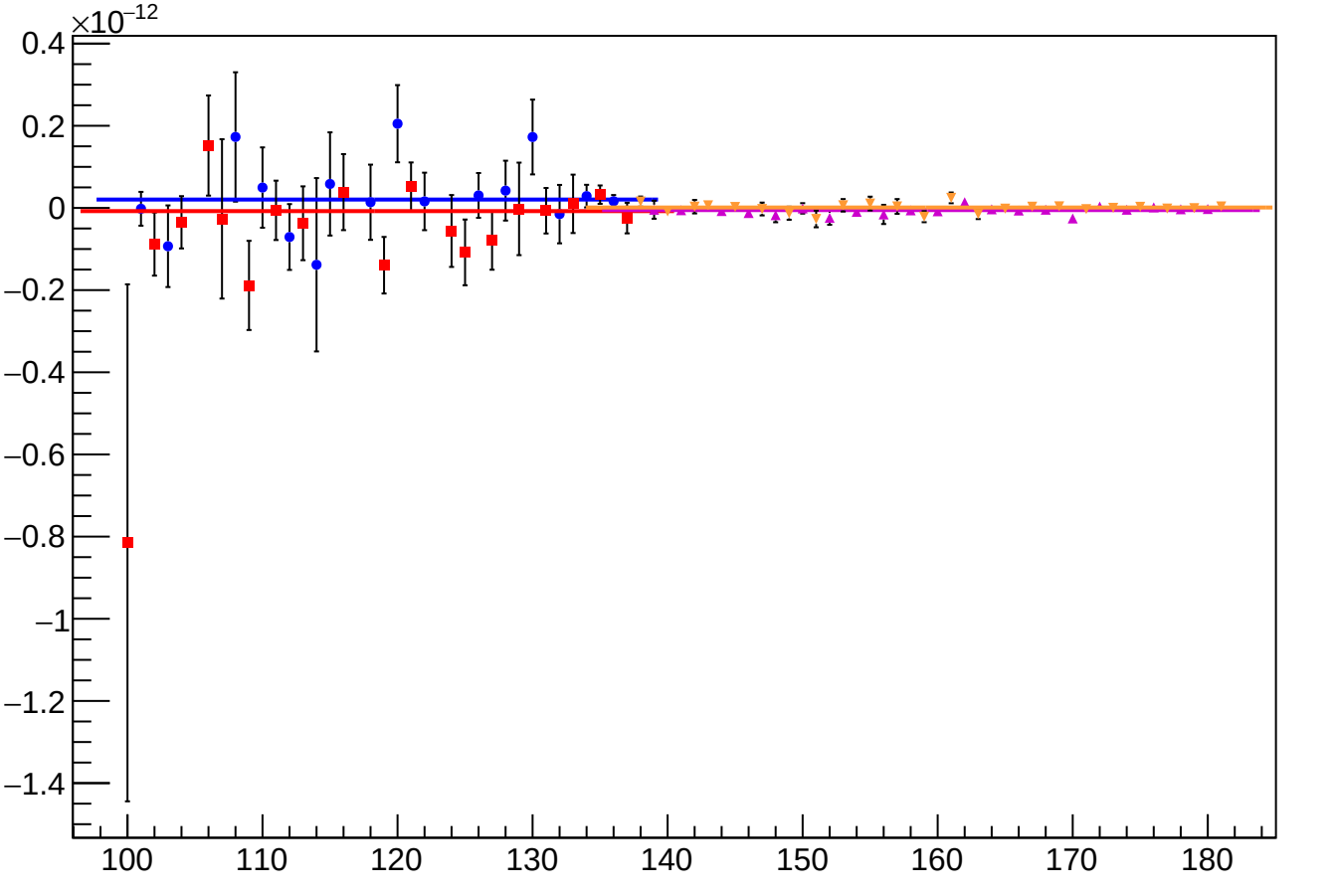
Right Out: 44.141+/-0.013 χ^2/NDF: 1743351.0/18

Left In: 40.206+/-0.007 χ^2/NDF:2195267.7/20

+ sign 42.686+/-0.006 χ^2/NDF: 4212650.5/38

All: 41.933+/-0.005 χ^2/NDF: 8250767.7/78

- sign 41.199+/-0.006 χ^2/NDF: 4011041.7/39



Right In: 0.000+/-0.000 χ^2/NDF: 11.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.3/22

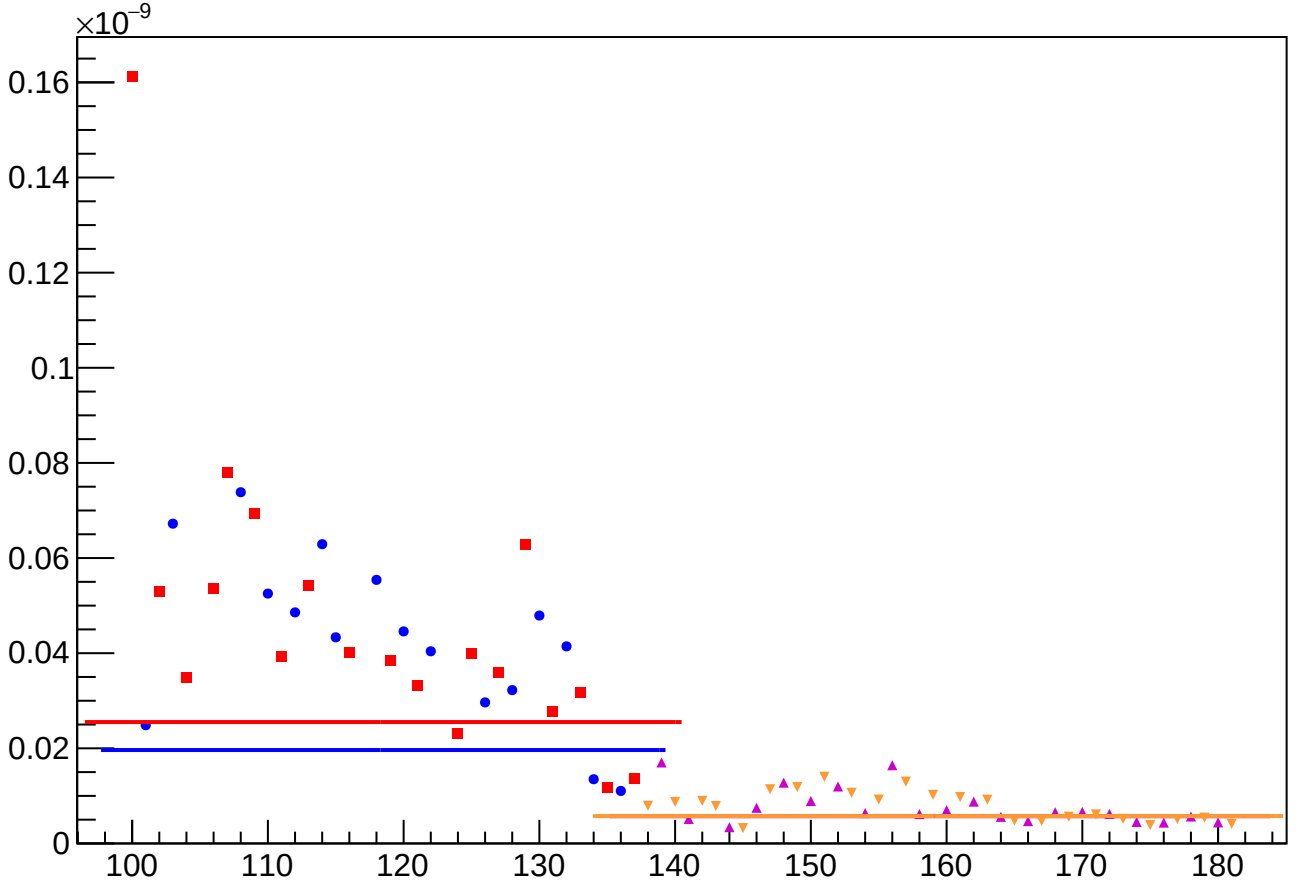
Right Out: -0.000+/-0.000 χ^2/NDF: 18.8/18

Left In: -0.000+/-0.000 χ^2/NDF:12.8/20

+ sign 0.000+/-0.000 χ^2/NDF: 29.0/38

All: -0.000+/-0.000 χ^2/NDF: 67.2/78

- sign -0.000+/-0.000 χ^2/NDF: 31.6/39



Right In: 0.000+/-0.000 χ^2/NDF: 3241093.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:3363588.8/22

Right Out: 0.000+/-0.000 χ^2/NDF: 2703953.2/18

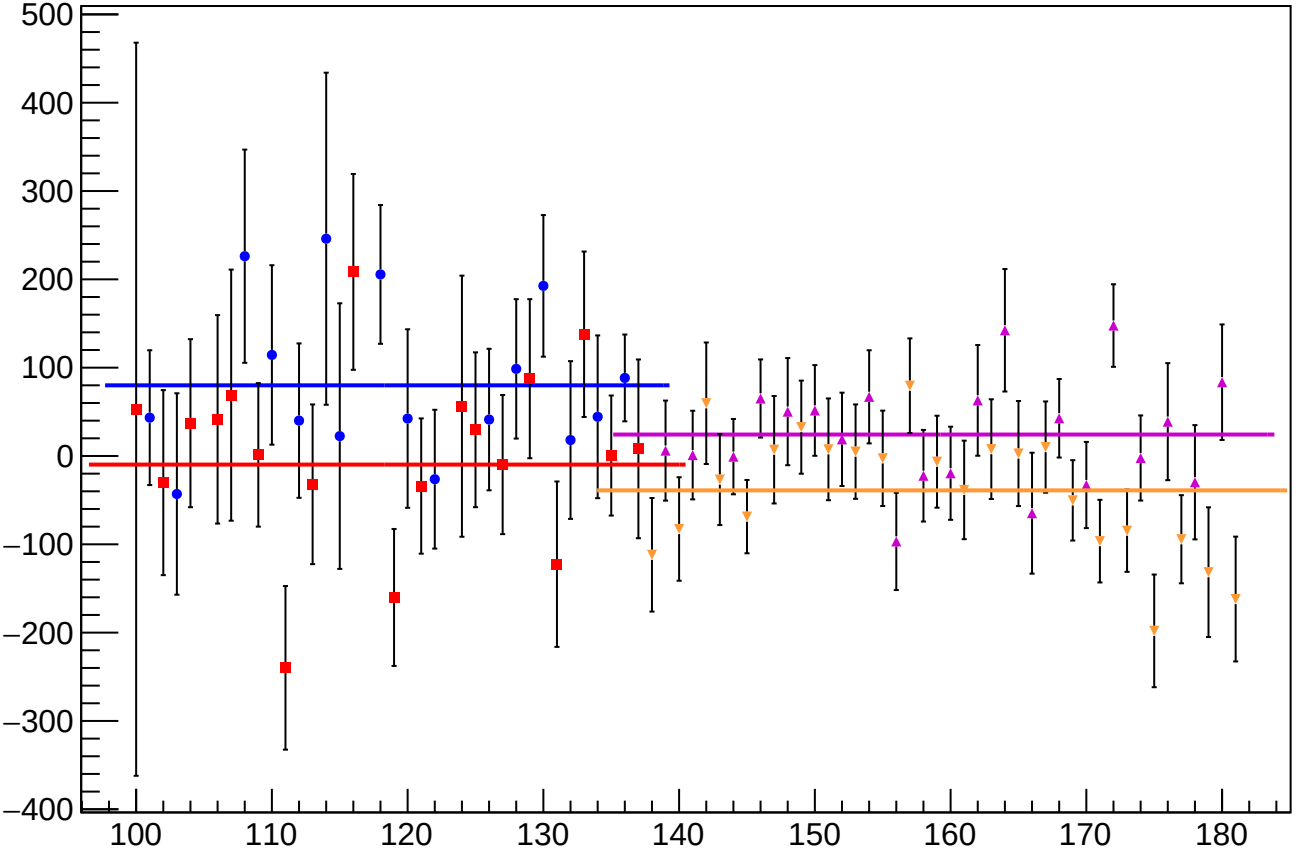
Left In: 0.000+/-0.000 χ^2/NDF:2567823.8/20

+ sign 0.000+/-0.000 χ^2/NDF: 9605566.3/38

All: 0.000+/-0.000 χ^2/NDF: 18971675.1/78

- sign 0.000+/-0.000 χ^2/NDF: 9366010.2/39

reg_asym_sam_15_48_dd_mean vs Slug



Right In: 79.993+/-21.474 χ^2/NDF: 11.6/15

Left Out: -38.930+/-11.344 χ^2/NDF:30.6/22

Right Out: -9.730+/-21.617 χ^2/NDF: 20.3/18

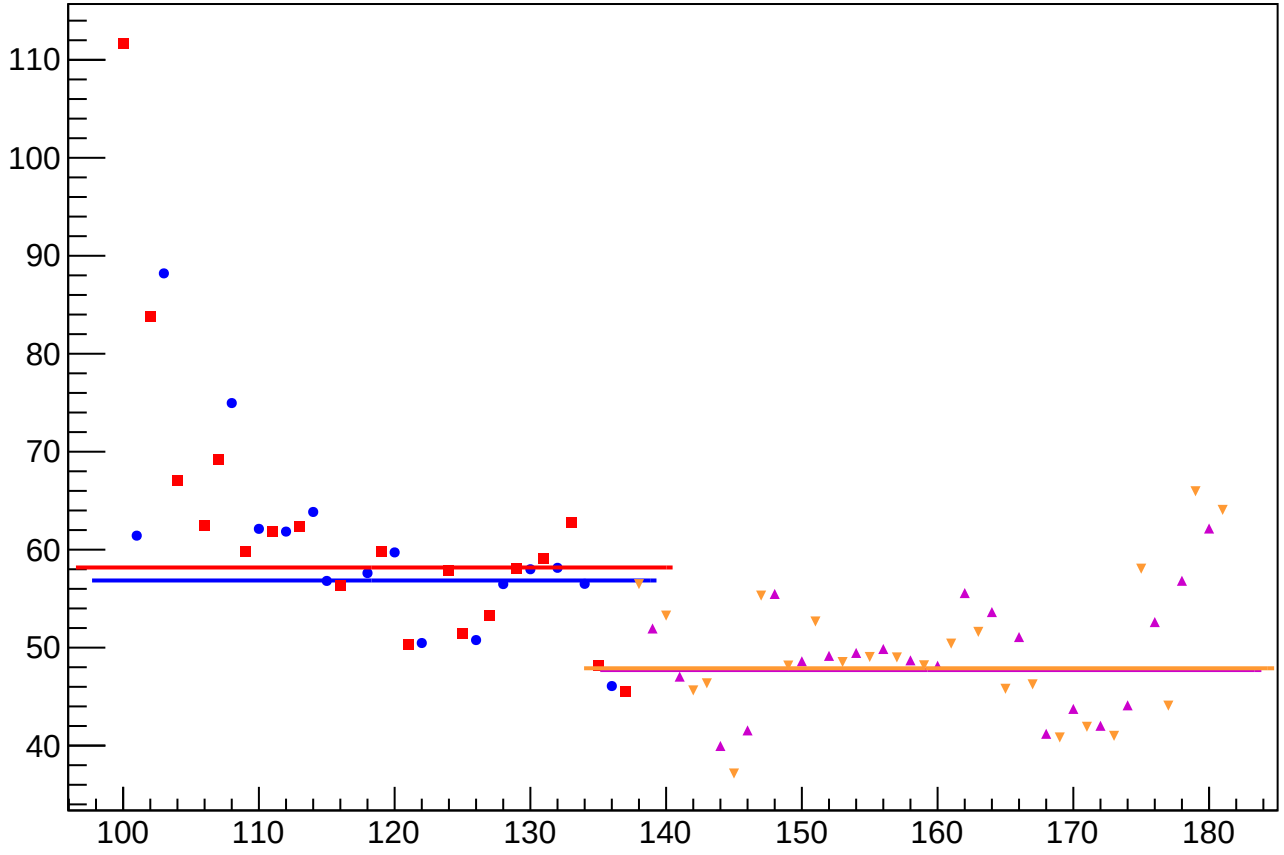
Left In: 24.280+/-11.631 χ^2/NDF:24.3/20

+ sign -12.982+/-10.031 χ^2/NDF: 66.1/38

All: 1.521+/-7.167 χ^2/NDF: 117.0/78

- sign 16.644+/-10.243 χ^2/NDF: 46.6/39

reg_asym_sam_15_48_dd_rms vs Slug



Right In: 56.854+/-0.015 χ^2/NDF: 341601.2/15

Left Out: 47.893+/-0.008 χ^2/NDF:666195.0/22

Right Out: 58.181+/-0.015 χ^2/NDF: 314660.6/18

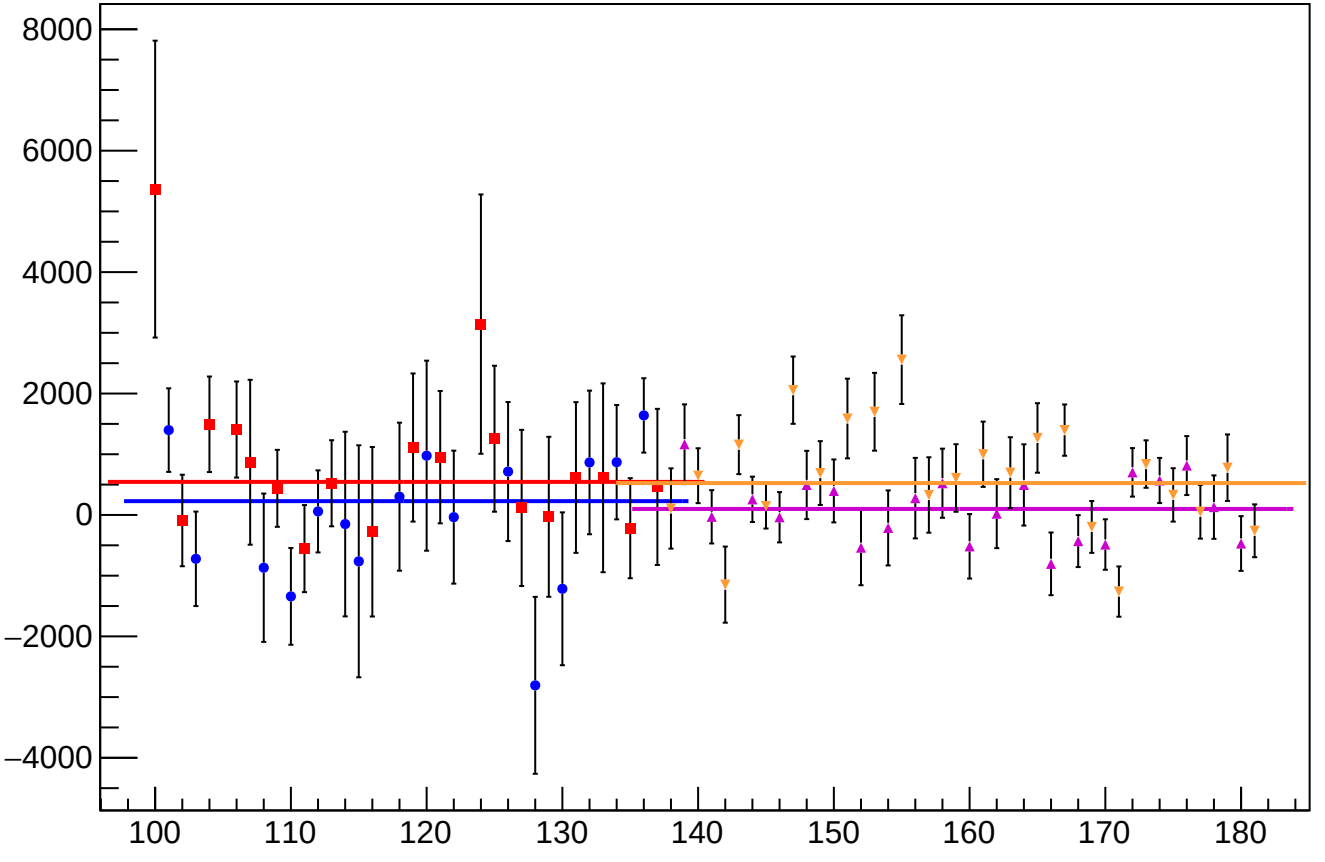
Left In: 47.711+/-0.008 χ^2/NDF:453329.7/20

+ sign 49.848+/-0.007 χ^2/NDF: 1280107.6/38

All: 49.953+/-0.005 χ^2/NDF: 2412389.1/78

- sign 50.062+/-0.007 χ^2/NDF: 1131836.2/39

asym_sam_15_48_dd_reg_correction_mean vs Slug



Right In: 227.508+/-241.225 χ^2/NDF: 21.6/15

Left Out: 525.190+/-104.029 χ^2/NDF:65.7/22

Right Out: 544.769+/-227.243 χ^2/NDF: 13.4/18

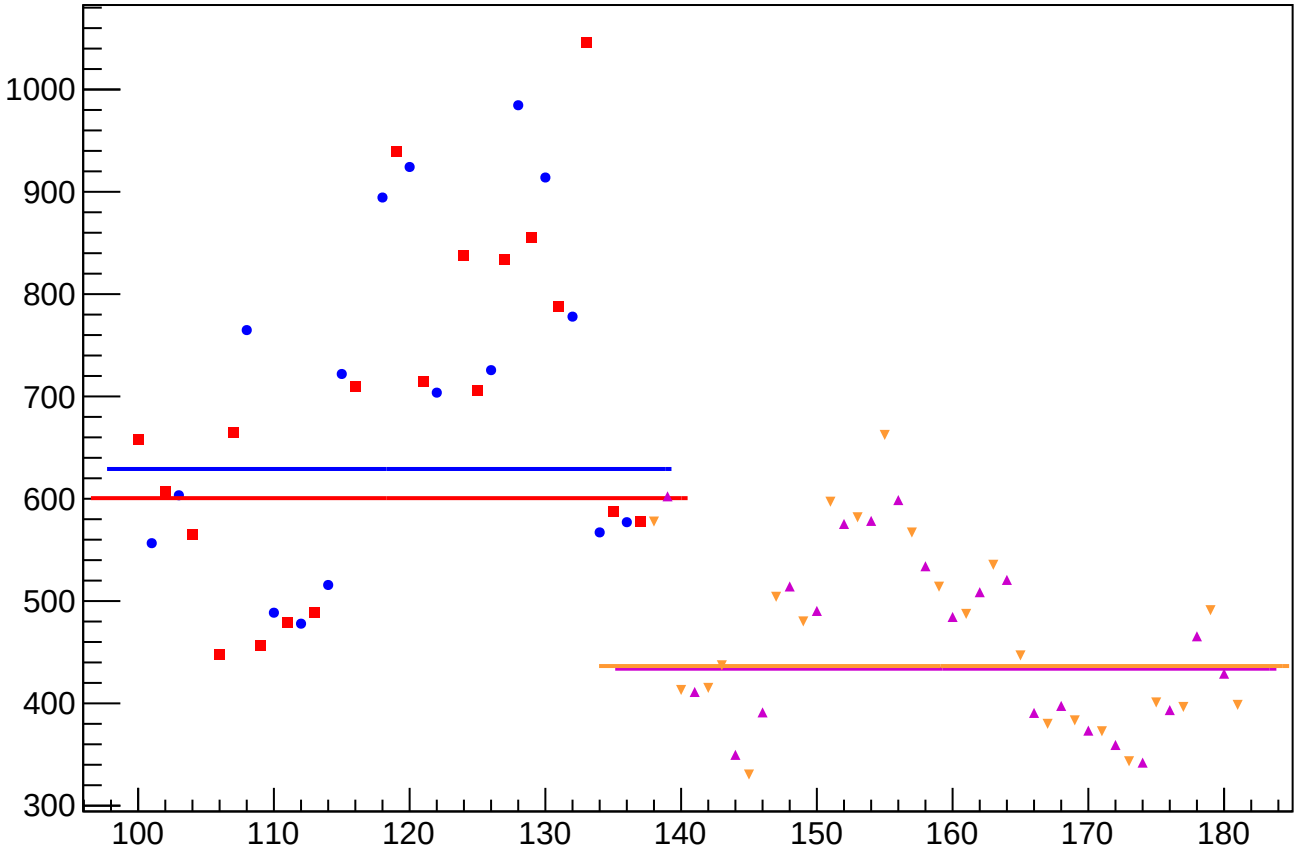
Left In: 99.066+/-106.483 χ^2/NDF:21.7/20

\+ sign 478.509+/-95.525 χ^2/NDF: 88.6/38

All: 330.308+/-67.861 χ^2/NDF: 131.7/78

\- sign 179.311+/-96.422 χ^2/NDF: 38.2/39

asym_sam_15_48_dd_reg_correction_rms vs Slug



Right In: 629.096+/-0.171 χ^2/NDF: 692724.2/15

Left Out: 436.488+/-0.074 χ^2/NDF:1216150.8/22

Right Out: 600.593+/-0.161 χ^2/NDF: 874614.2/18

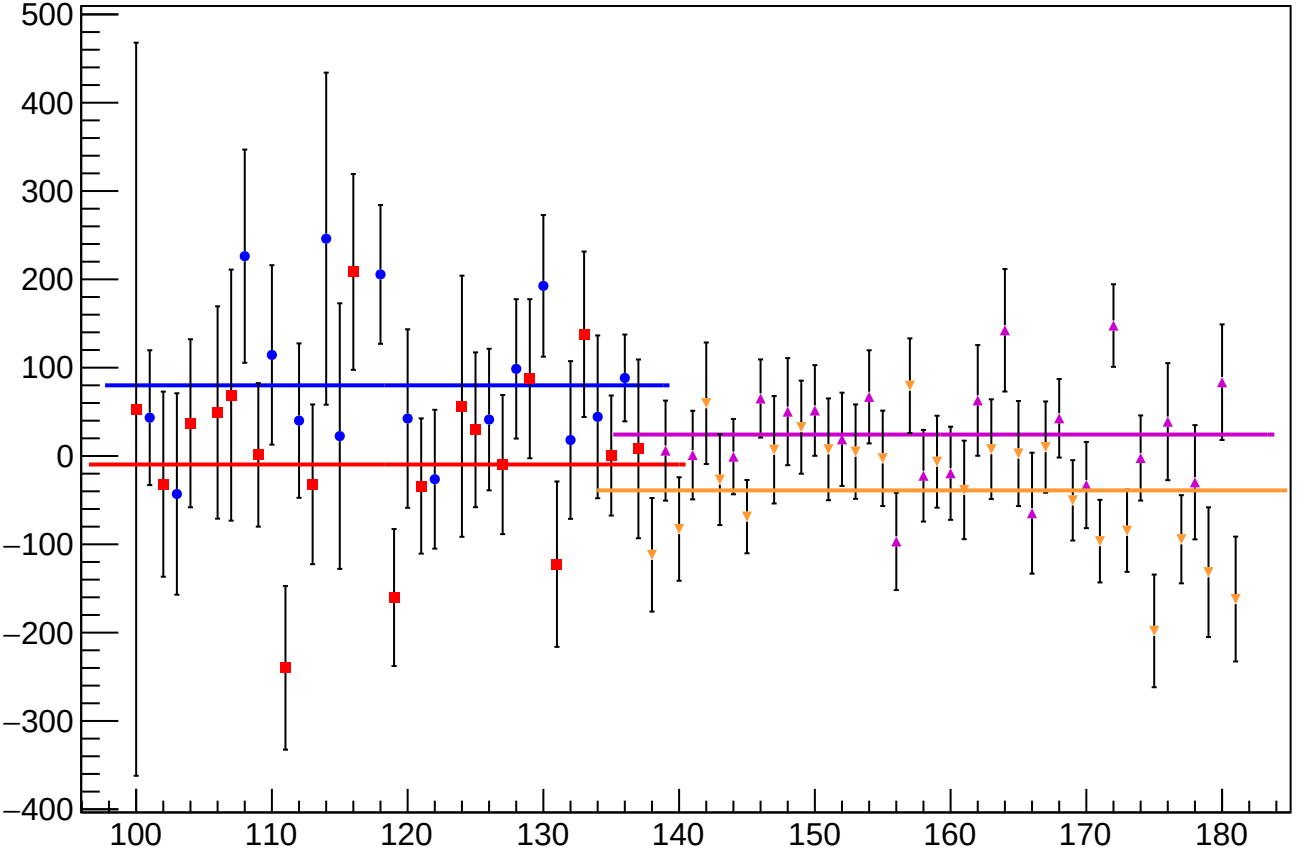
Left In: 433.891+/-0.075 χ^2/NDF:1093886.0/20

+ sign 466.692+/-0.068 χ^2/NDF: 2983986.6/38

All: 465.311+/-0.048 χ^2/NDF: 5835854.3/78

- sign 463.904+/-0.068 χ^2/NDF: 2851023.7/39

cor_asym_sam_15_48_dd_mean vs Slug



Right In: 79.998+/-21.474 χ^2/NDF: 11.6/15

Left Out: -38.933+/-11.344 χ^2/NDF:30.6/22

Right Out: -9.619+/-21.631 χ^2/NDF: 20.4/18

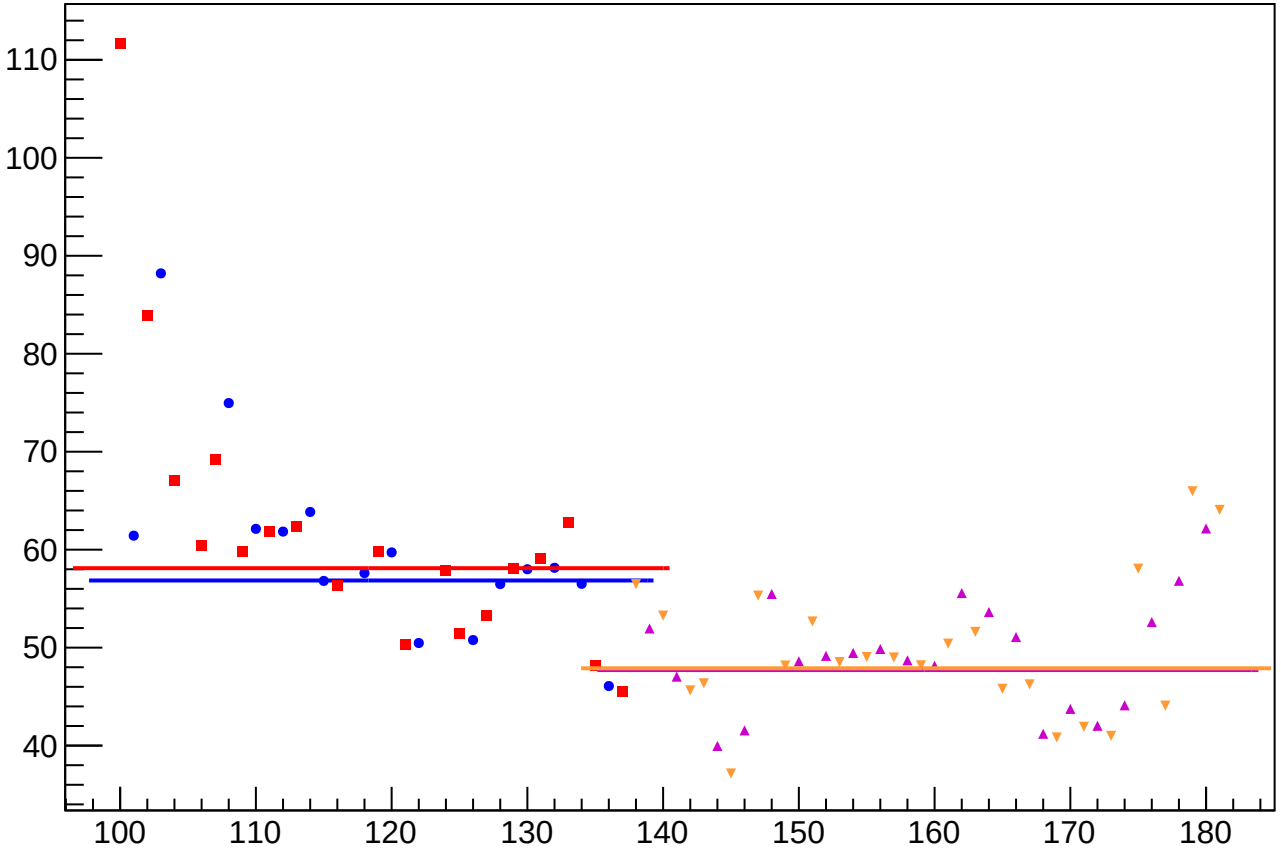
Left In: 24.281+/-11.631 χ^2/NDF:24.3/20

+ sign -12.984+/-10.031 χ^2/NDF: 66.2/38

All: 1.534+/-7.167 χ^2/NDF: 117.1/78

- sign 16.678+/-10.244 χ^2/NDF: 46.6/39

cor_asym_sam_15_48_dd_rms vs Slug



Right In: 56.854+/-0.015 χ^2/NDF: 341605.0/15

Left Out: 47.893+/-0.008 χ^2/NDF:666195.0/22

Right Out: 58.111+/-0.015 χ^2/NDF: 312938.5/18

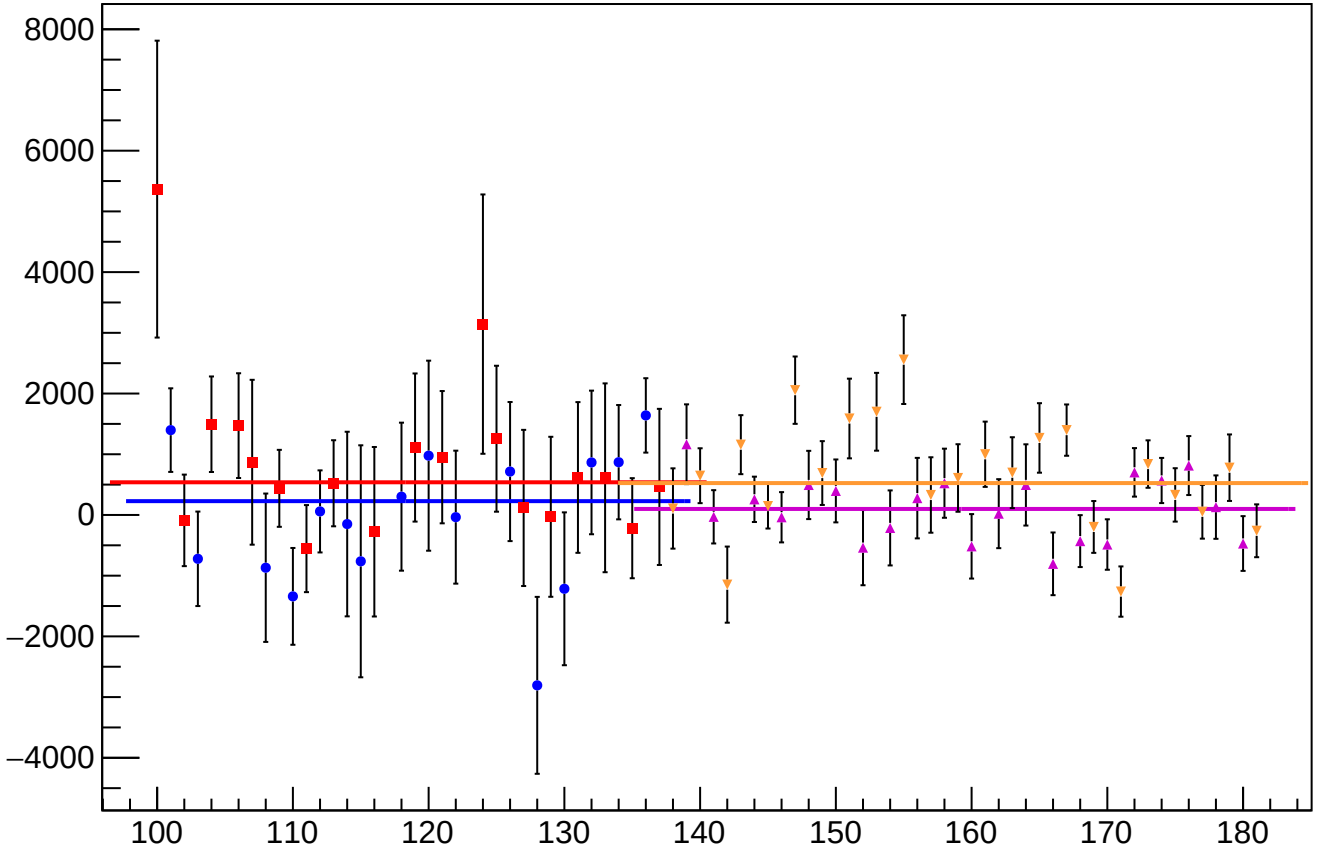
Left In: 47.711+/-0.008 χ^2/NDF:453329.7/20

+ sign 49.848+/-0.007 χ^2/NDF: 1280111.6/38

All: 49.944+/-0.005 χ^2/NDF: 2405350.2/78

- sign 50.044+/-0.007 χ^2/NDF: 1124865.6/39

asym_sam_15_48_dd_cor_correction_mean vs Slug



Right In: 227.547+/-241.227 χ^2/NDF: 21.6/15

Left Out: 525.188+/-104.029 χ^2/NDF:65.7/22

Right Out: 538.117+/-228.754 χ^2/NDF: 13.3/18

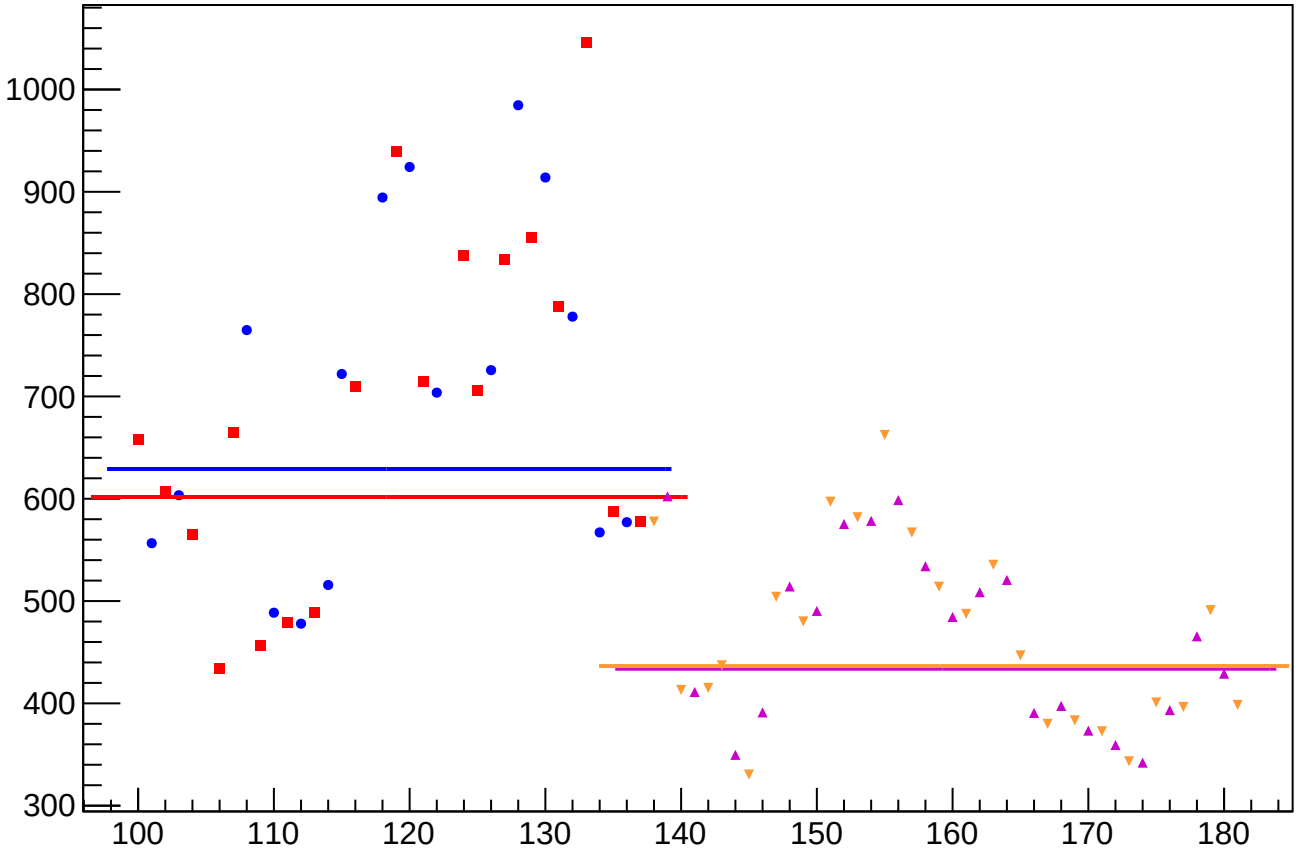
Left In: 99.069+/-106.483 χ^2/NDF:21.7/20

+ sign 478.514+/-95.525 χ^2/NDF: 88.6/38

All: 329.473+/-67.901 χ^2/NDF: 131.6/78

- sign 177.260+/-96.537 χ^2/NDF: 38.1/39

asym_sam_15_48_dd_cor_correction_rms vs Slug



Right In: 629.101+/-0.171 χ^2/NDF: 692716.0/15

Left Out: 436.488+/-0.074 χ^2/NDF:1216149.8/22

Right Out: 601.721+/-0.162 χ^2/NDF: 874042.1/18

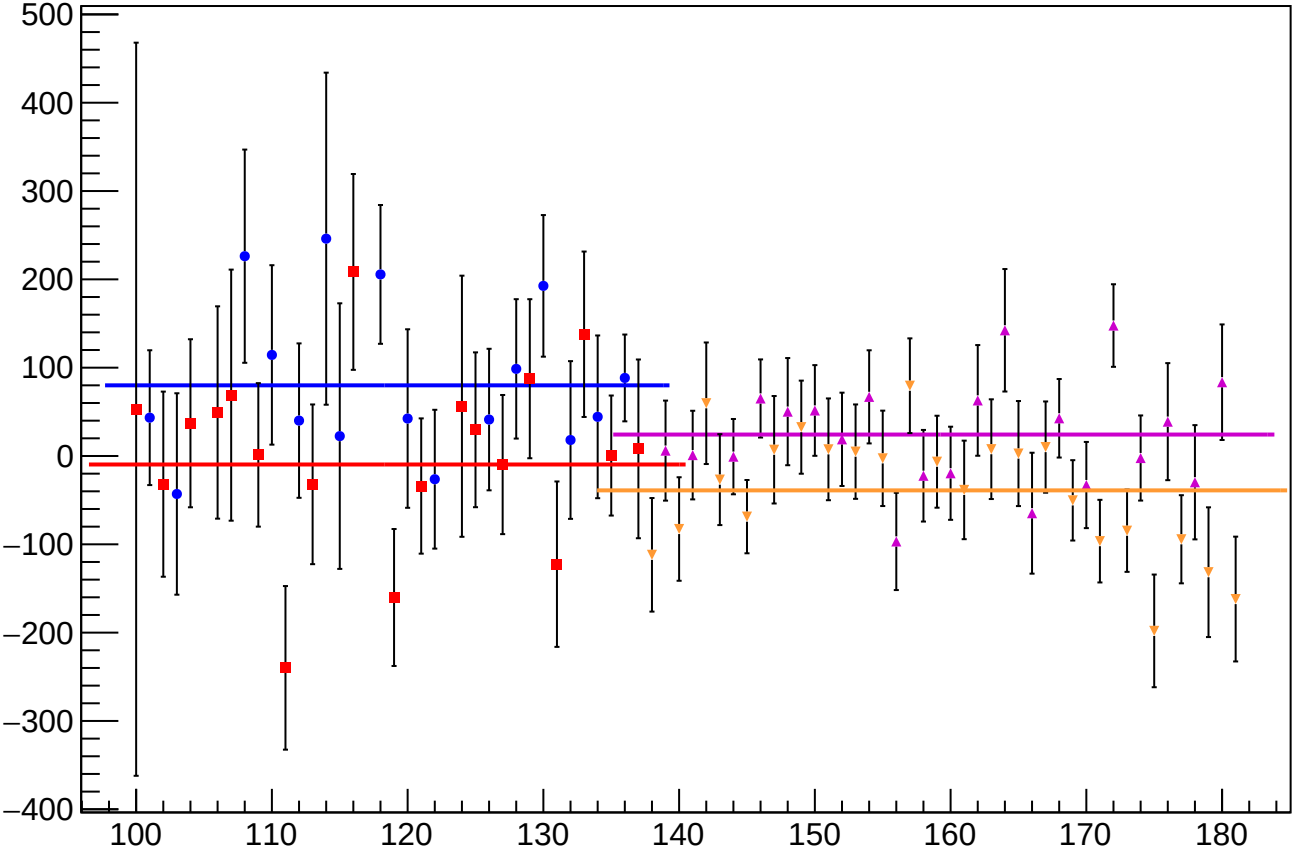
Left In: 433.891+/-0.075 χ^2/NDF:1093885.7/20

+ sign 466.693+/-0.068 χ^2/NDF: 2984018.2/38

All: 465.252+/-0.048 χ^2/NDF: 5837681.4/78

- sign 463.780+/-0.068 χ^2/NDF: 2852743.4/39

eigen_cor_asym_sam_15_48_dd_mean vs Slug



Right In: 79.998+/-21.474 χ^2/NDF: 11.6/15

Left Out: -38.933+/-11.344 χ^2/NDF:30.6/22

Right Out: -9.619+/-21.631 χ^2/NDF: 20.4/18

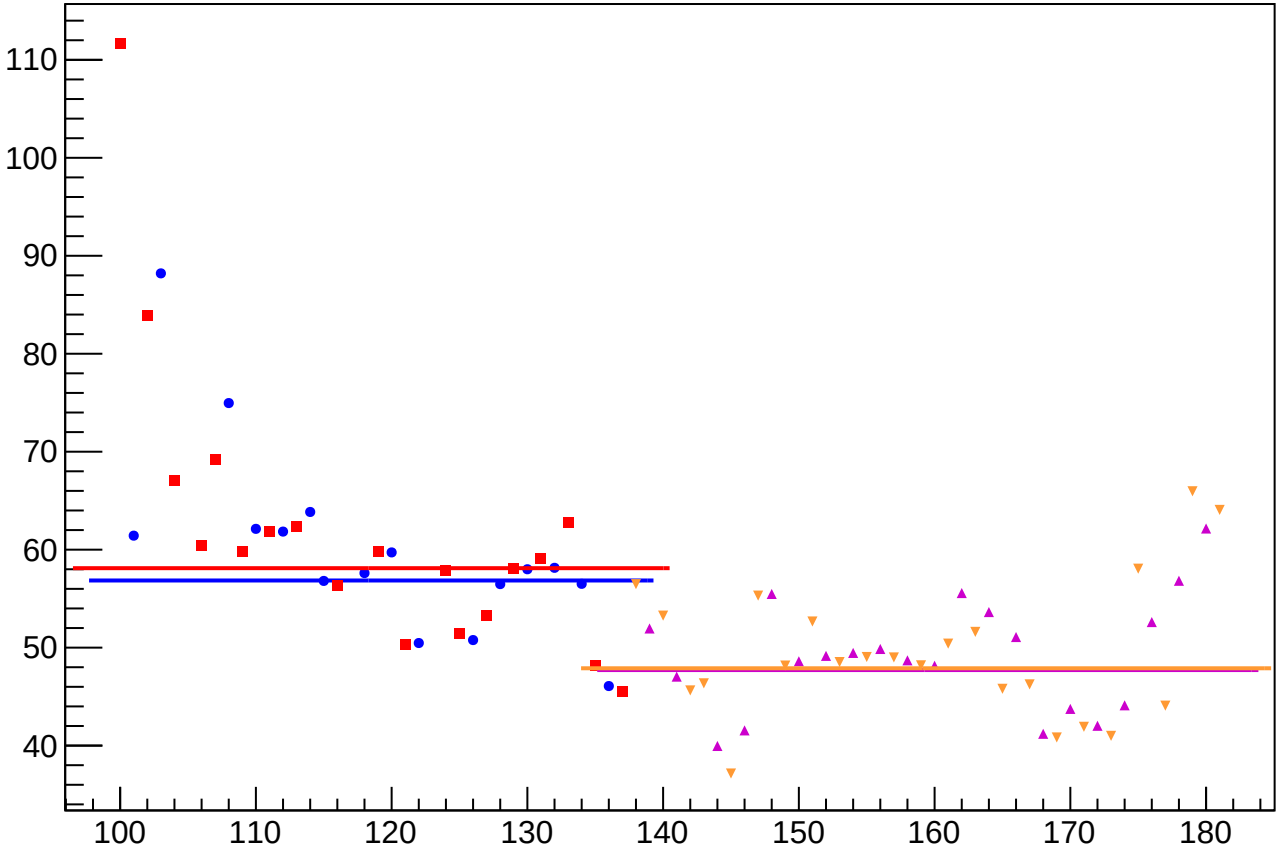
Left In: 24.281+/-11.631 χ^2/NDF:24.3/20

+ sign -12.984+/-10.031 χ^2/NDF: 66.2/38

All: 1.534+/-7.167 χ^2/NDF: 117.1/78

- sign 16.678+/-10.244 χ^2/NDF: 46.6/39

eigen_cor_asym_sam_15_48_dd_rms vs Slug



Right In: 56.854+/-0.015 χ^2/NDF: 341605.0/15

Left Out: 47.893+/-0.008 χ^2/NDF:666195.0/22

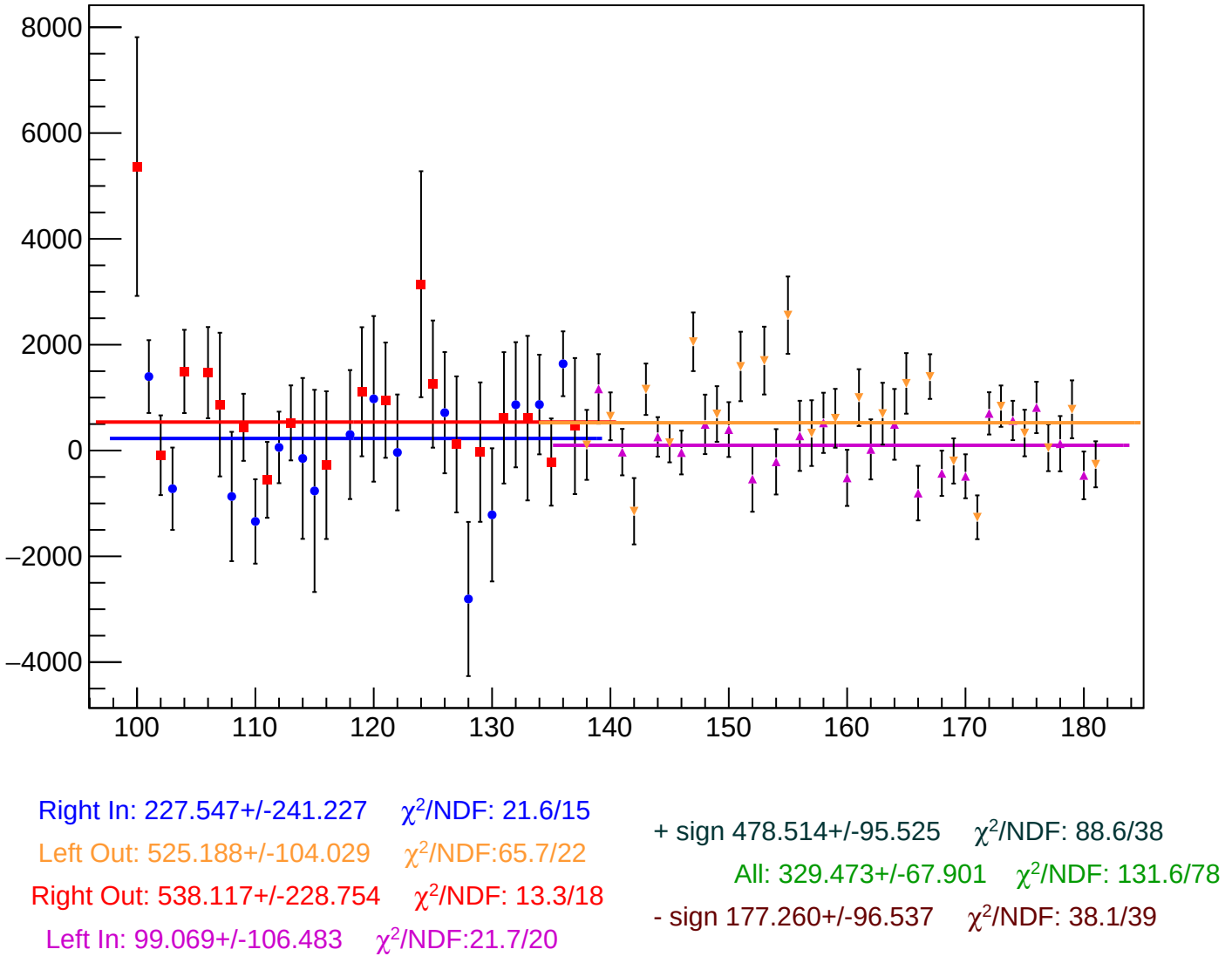
Right Out: 58.111+/-0.015 χ^2/NDF: 312938.5/18

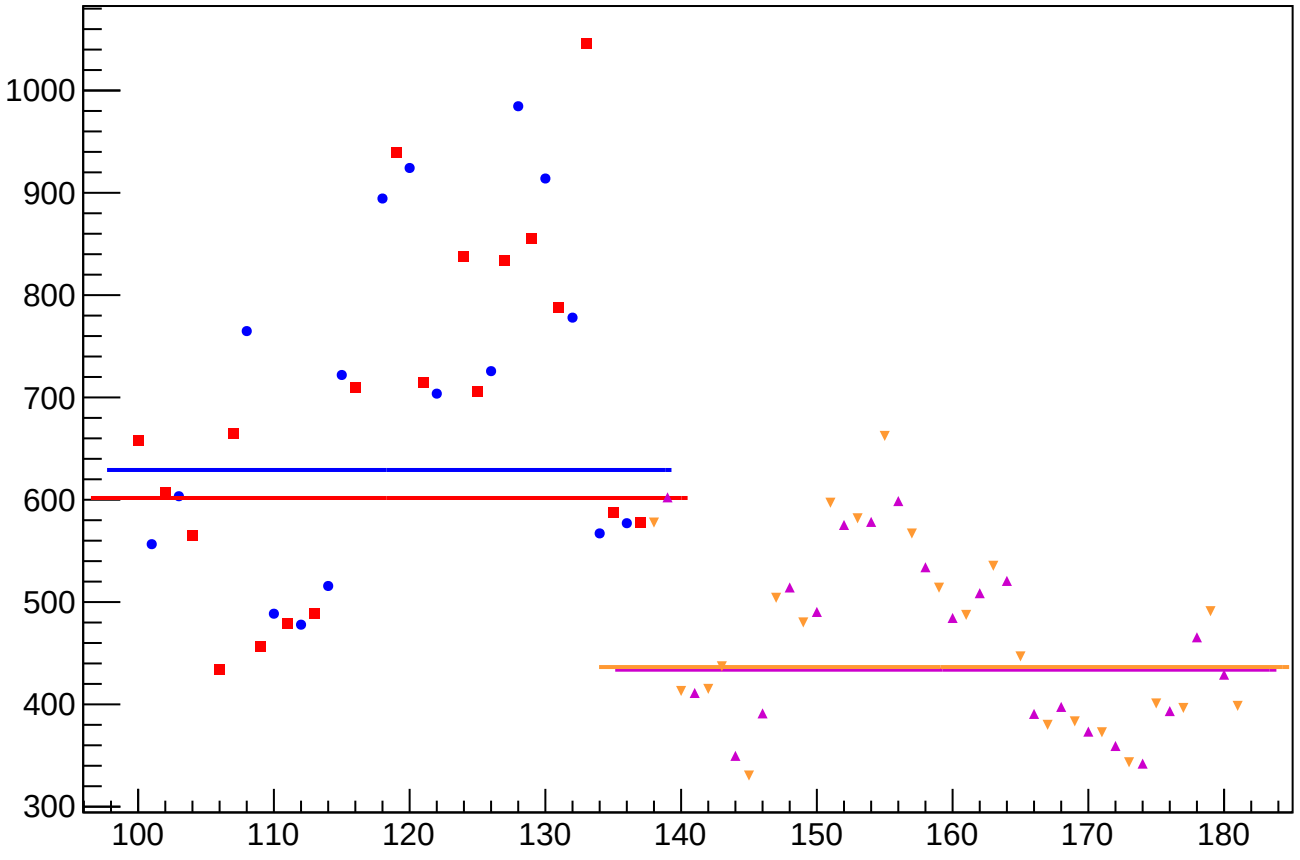
Left In: 47.711+/-0.008 χ^2/NDF:453329.7/20

+ sign 49.848+/-0.007 χ^2/NDF: 1280111.6/38

All: 49.944+/-0.005 χ^2/NDF: 2405350.2/78

- sign 50.044+/-0.007 χ^2/NDF: 1124865.6/39


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: 525.188+/-104.029 χ²/NDF:65.7/22
Right Out: 538.117+/-228.754 χ²/NDF: 13.3/18
Left In: 99.069+/-106.483 χ²/NDF:21.7/20
+ sign 478.514+/-95.525 χ²/NDF: 88.6/38
All: 329.473+/-67.901 χ²/NDF: 131.6/78
- sign 177.260+/-96.537 χ²/NDF: 38.1/39



Right In: 629.101+/-0.171 χ^2/NDF: 692716.0/15

Left Out: 436.488+/-0.074 χ^2/NDF:1216149.8/22

Right Out: 601.721+/-0.162 χ^2/NDF: 874042.1/18

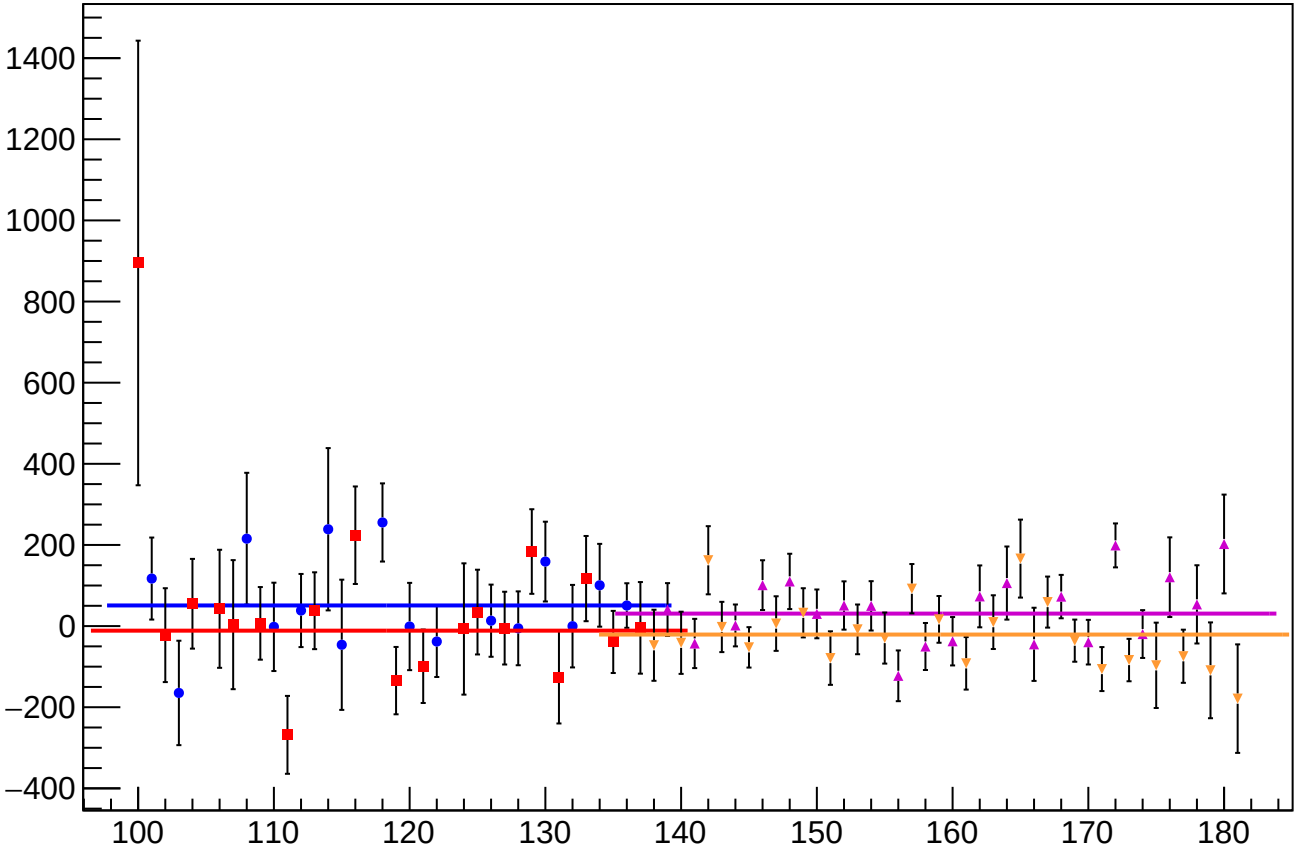
Left In: 433.891+/-0.075 χ^2/NDF:1093885.7/20

\+ sign 466.693+/-0.068 χ^2/NDF: 2984018.2/38

All: 465.252+/-0.048 χ^2/NDF: 5837681.4/78

\- sign 463.780+/-0.068 χ^2/NDF: 2852743.4/39

dit_asym_sam_15_48_dd_mean vs Slug



Right In: 50.861+/-24.492 χ^2/NDF: 13.8/15

Left Out: -20.872+/-13.768 χ^2/NDF:25.0/22

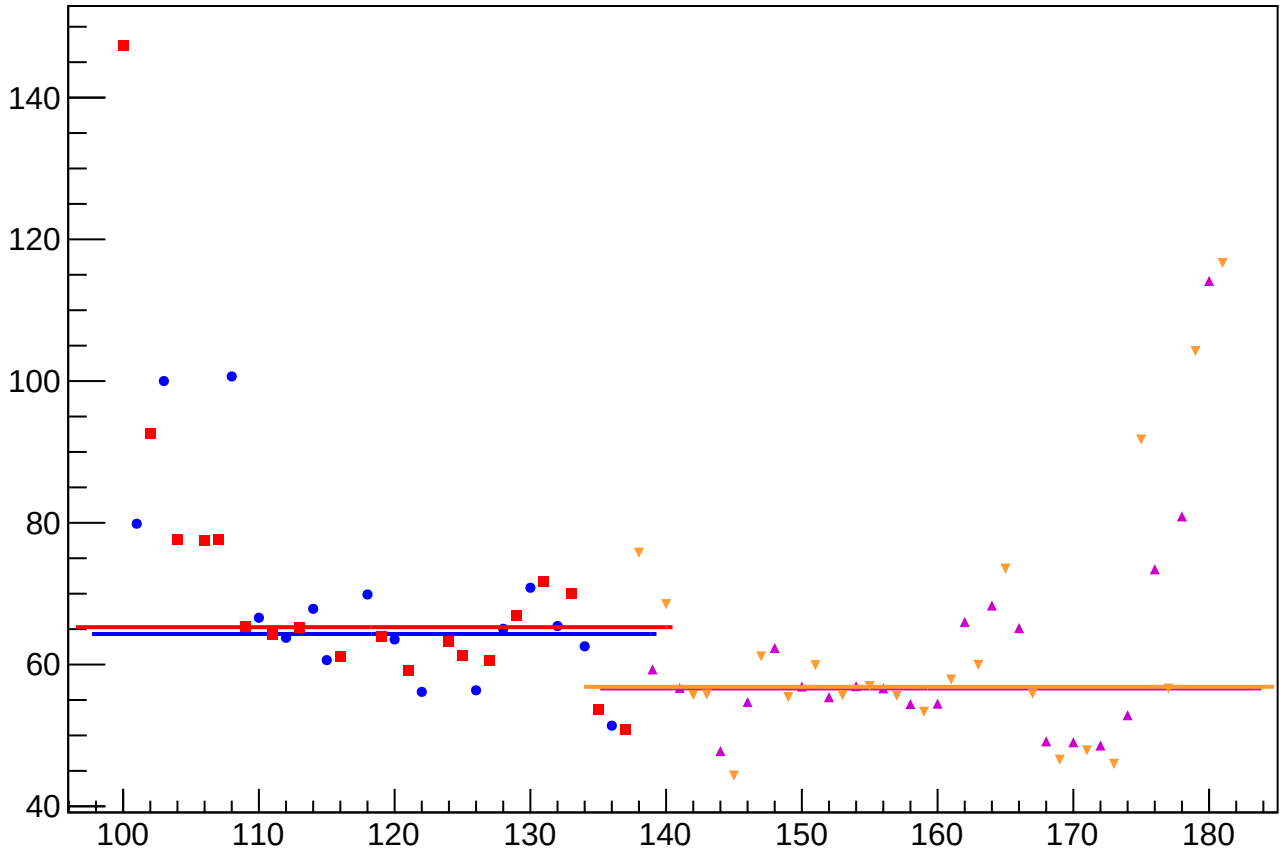
Right Out: -11.261+/-24.324 χ^2/NDF: 24.0/18

Left In: 30.769+/-14.097 χ^2/NDF:31.2/20

+ sign -3.647+/-12.002 χ^2/NDF: 45.3/38

All: 8.086+/-8.555 χ^2/NDF: 104.7/78

- sign 20.202+/-12.197 χ^2/NDF: 57.4/39



Right In: 64.317+/-0.017 χ^2/NDF: 464952.4/15

Left Out: 56.861+/-0.010 χ^2/NDF:1516793.8/22

Right Out: 65.277+/-0.017 χ^2/NDF: 319136.6/18

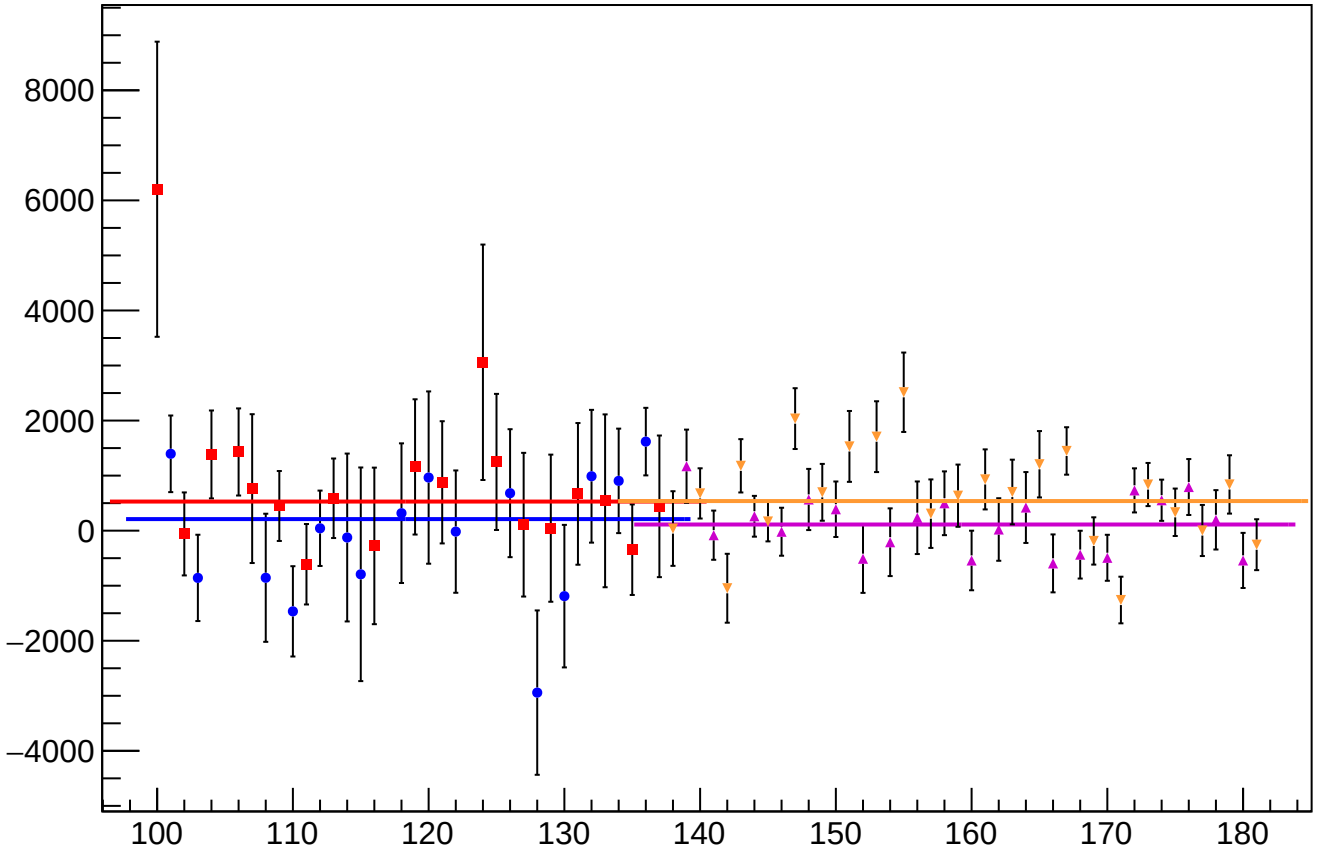
Left In: 56.629+/-0.010 χ^2/NDF:926760.2/20

+ sign 58.651+/-0.008 χ^2/NDF: 2122590.5/38

All: 58.726+/-0.006 χ^2/NDF: 3557919.3/78

- sign 58.803+/-0.009 χ^2/NDF: 1435171.2/39

asym_sam_15_48_dd_dit_correction_mean vs Slug



Right In: 210.018+/-243.798 χ^2/NDF: 22.4/15

Left Out: 537.684+/-104.768 χ^2/NDF:63.2/22

Right Out: 528.675+/-229.679 χ^2/NDF: 13.8/18

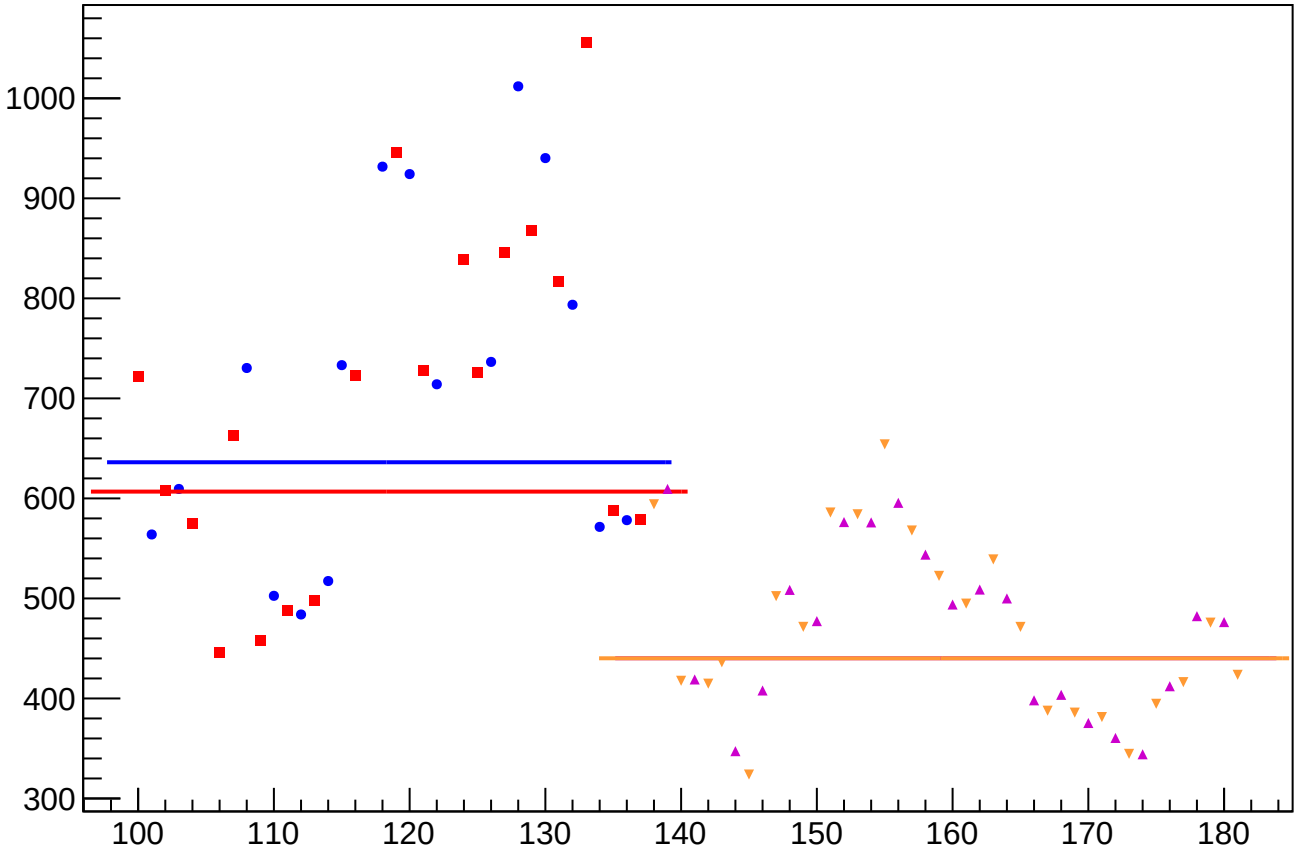
Left In: 111.740+/-107.985 χ^2/NDF:20.2/20

+ sign 486.606+/-96.256 χ^2/NDF: 87.2/38

All: 339.177+/-68.576 χ^2/NDF: 128.7/78

- sign 187.219+/-97.723 χ^2/NDF: 36.7/39

asym_sam_15_48_dd_dit_correction_rms vs Slug



Right In: 636.144+/-0.172 χ^2/NDF: 705237.7/15

Left Out: 440.150+/-0.074 χ^2/NDF:1196443.8/22

Right Out: 606.803+/-0.162 χ^2/NDF: 893878.7/18

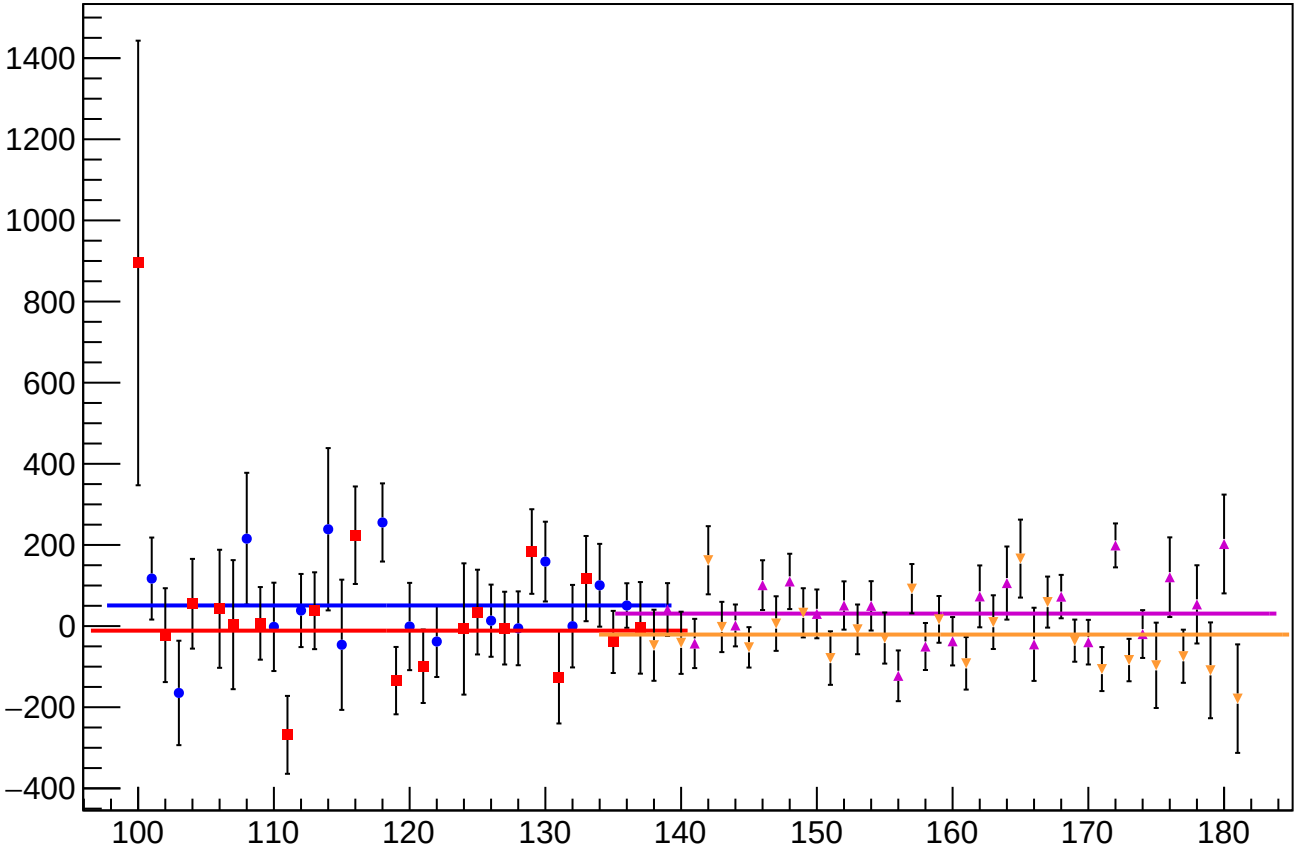
Left In: 440.193+/-0.076 χ^2/NDF:1061396.6/20

+ sign 470.702+/-0.068 χ^2/NDF: 2992773.5/38

All: 470.531+/-0.048 χ^2/NDF: 5809964.2/78

- sign 470.355+/-0.069 χ^2/NDF: 2817177.8/39

eigen_dit_asym_sam_15_48_dd_mean vs Slug



Right In: 50.859+/-24.492 χ^2/NDF: 13.8/15

Left Out: -20.872+/-13.768 χ^2/NDF:25.0/22

Right Out: -11.261+/-24.324 χ^2/NDF: 24.0/18

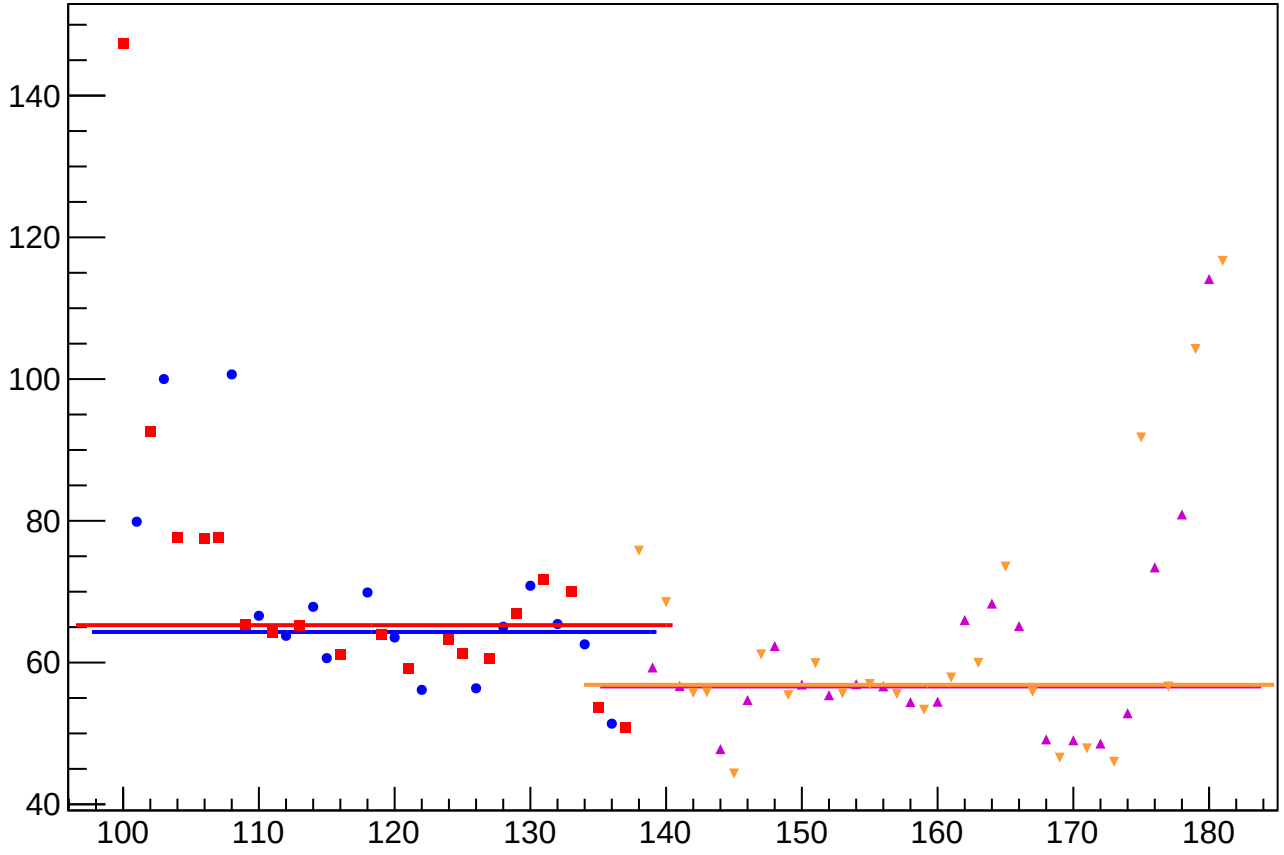
Left In: 30.768+/-14.097 χ^2/NDF:31.2/20

+ sign -3.648+/-12.002 χ^2/NDF: 45.3/38

All: 8.085+/-8.555 χ^2/NDF: 104.7/78

- sign 20.202+/-12.197 χ^2/NDF: 57.4/39

eigen_dit_asym_sam_15_48_dd_rms vs Slug



Right In: 64.317+/-0.017 χ^2/NDF: 464950.5/15

Left Out: 56.861+/-0.010 χ^2/NDF:1516792.9/22

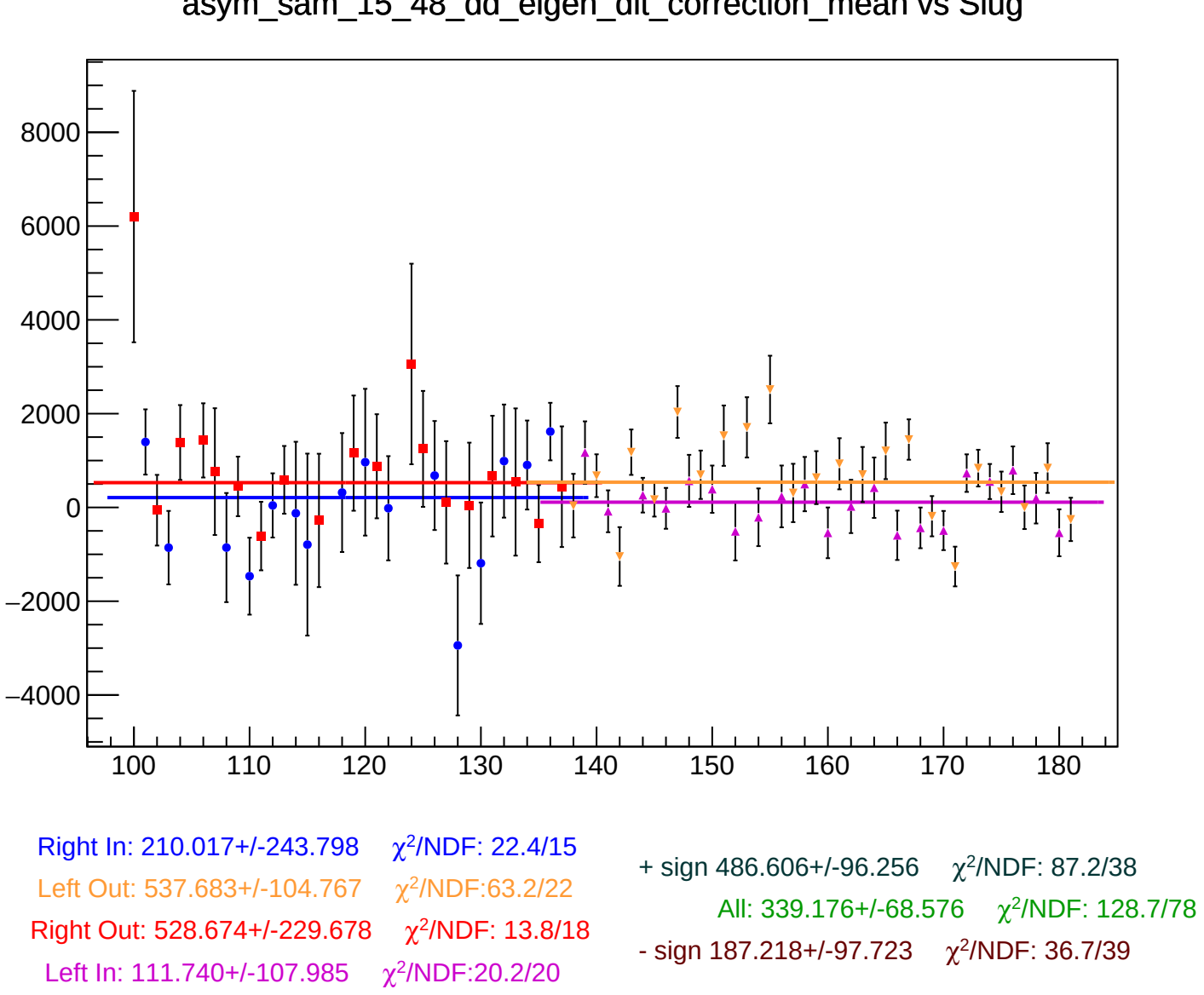
Right Out: 65.277+/-0.017 χ^2/NDF: 319140.2/18

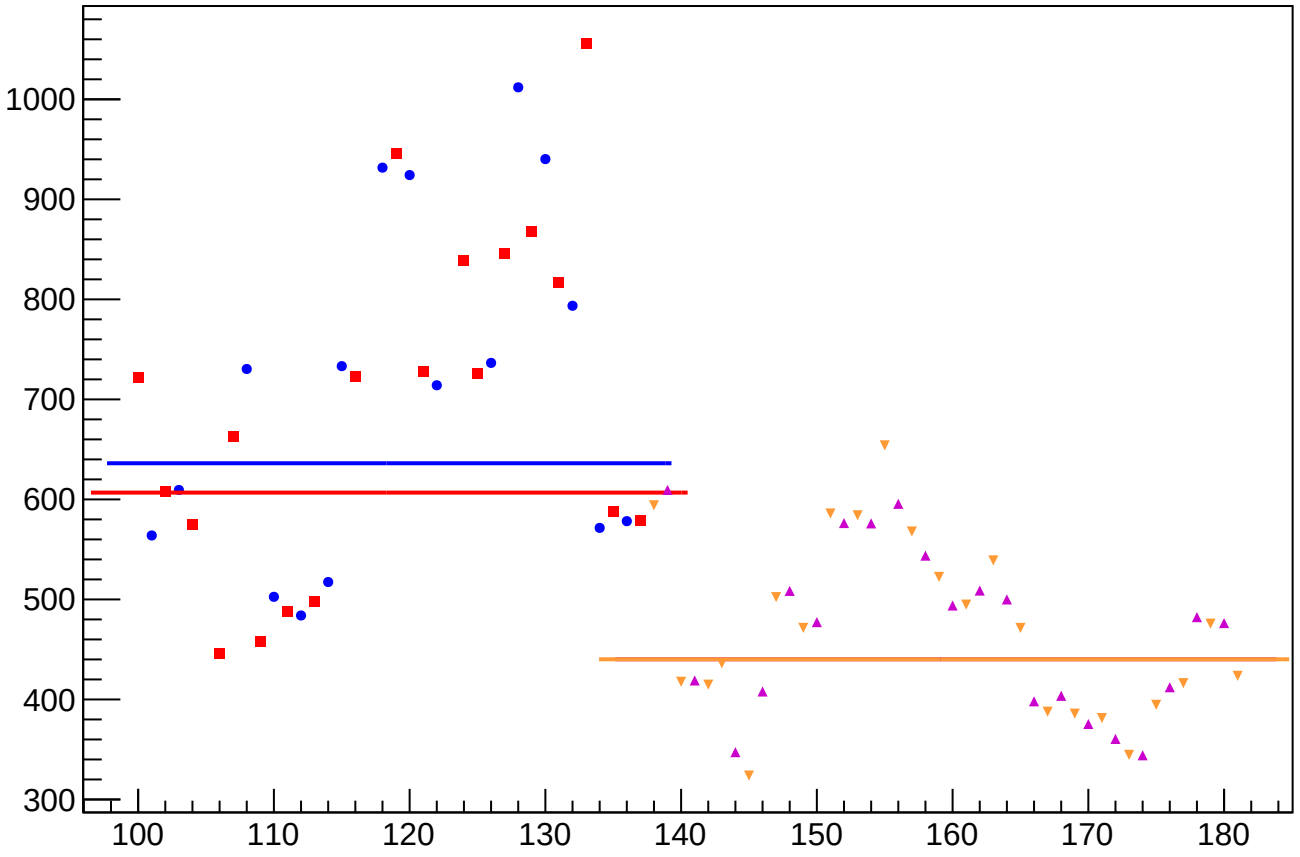
Left In: 56.629+/-0.010 χ^2/NDF:926741.4/20

+ sign 58.651+/-0.008 χ^2/NDF: 2122580.1/38

All: 58.726+/-0.006 χ^2/NDF: 3557885.3/78

- sign 58.803+/-0.009 χ^2/NDF: 1435147.7/39


asym_sam_15_48_dd_eigen_dit_correction_mean vs Slug
8000
6000
4000
2000
0
−2000
−4000
100
110
120
130
140
150
160
170
180
Right In: 210.017+/-243.798 χ²/NDF: 22.4/15
Left Out: 537.683+/-104.767 χ²/NDF:63.2/22
Right Out: 528.674+/-229.678 χ²/NDF: 13.8/18
Left In: 111.740+/-107.985 χ²/NDF:20.2/20
+ sign 486.606+/-96.256 χ²/NDF: 87.2/38
All: 339.176+/-68.576 χ²/NDF: 128.7/78
- sign 187.218+/-97.723 χ²/NDF: 36.7/39



Right In: 636.144+/-0.172 χ^2/NDF: 705241.1/15

Left Out: 440.149+/-0.074 χ^2/NDF:1196451.7/22

Right Out: 606.802+/-0.162 χ^2/NDF: 893880.8/18

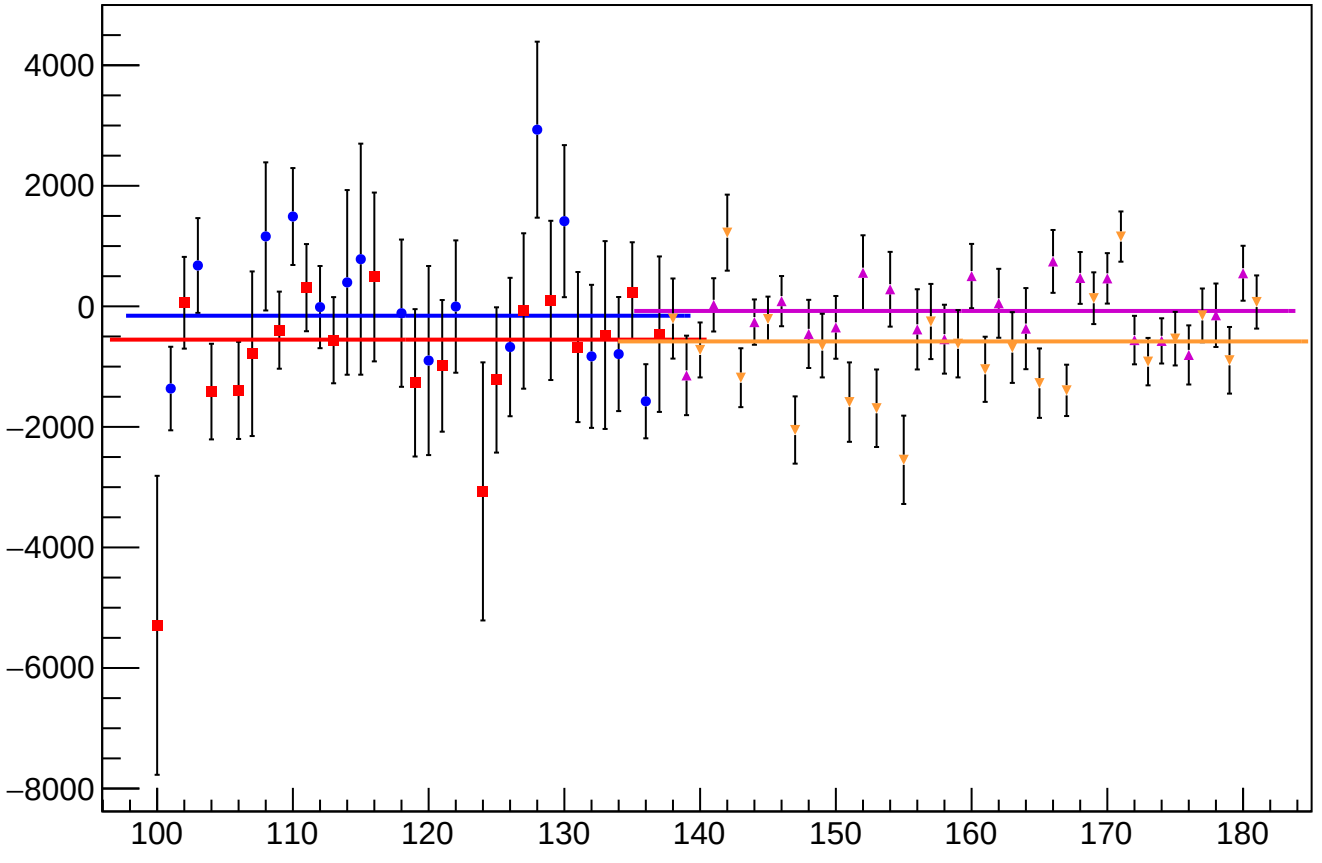
Left In: 440.192+/-0.076 χ^2/NDF:1061403.0/20

+ sign 470.701+/-0.068 χ^2/NDF: 2992791.3/38

All: 470.530+/-0.048 χ^2/NDF: 5809998.8/78

- sign 470.353+/-0.069 χ^2/NDF: 2817194.6/39

asym_sam_15_48_dd_mean vs Slug



Right In: -155.651+/-242.595 χ^2/NDF: 22.5/15

Left Out: -581.814+/-104.742 χ^2/NDF:61.1/22

Right Out: -552.176+/-228.890 χ^2/NDF: 12.1/18

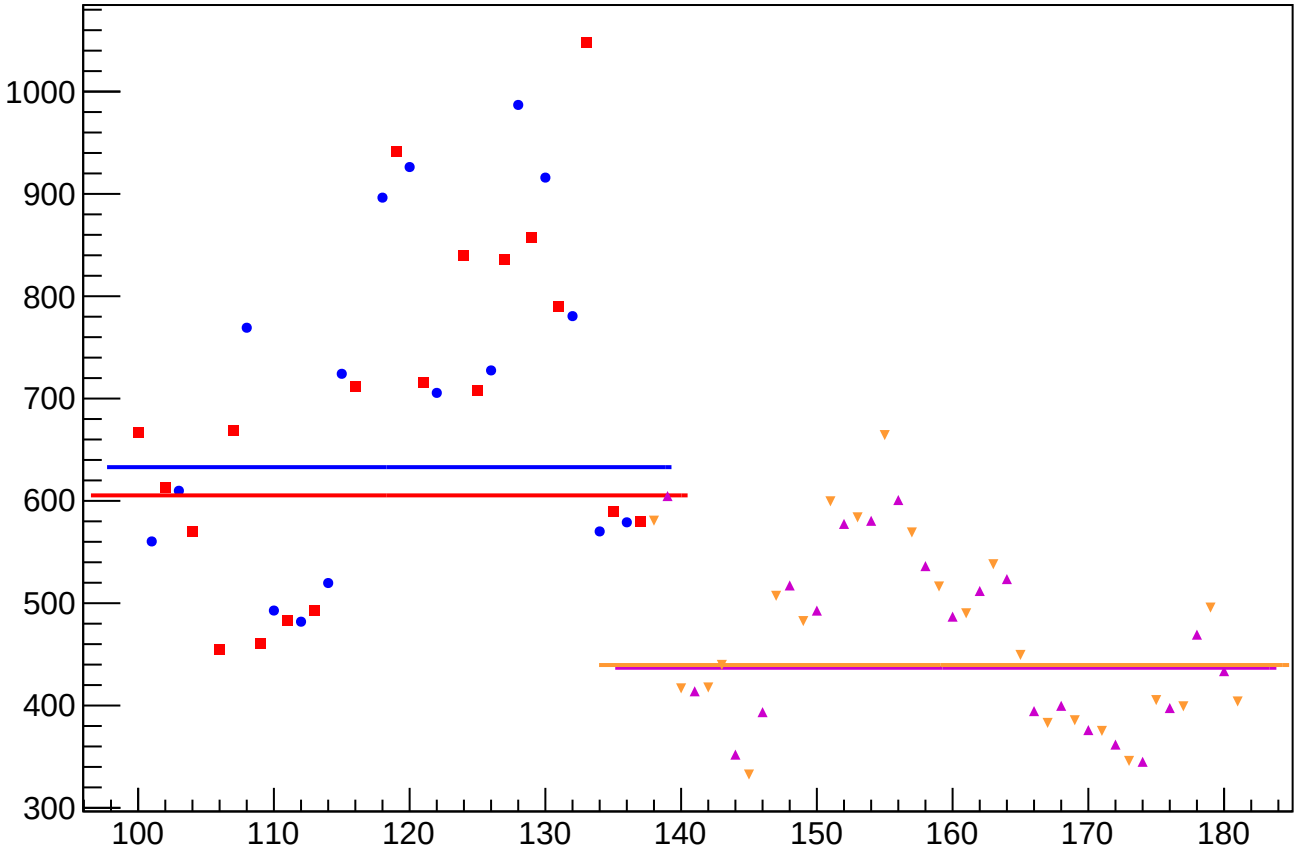
Left In: -76.381+/-107.200 χ^2/NDF:20.6/20

+ sign -514.853+/-96.162 χ^2/NDF: 86.2/38

All: -340.089+/-68.319 χ^2/NDF: 129.1/78

- sign -161.972+/-97.080 χ^2/NDF: 36.2/39

asym_sam_15_48_dd_rms vs Slug



Right In: 632.966+/-0.172 χ^2/NDF: 681138.4/15

Left Out: 439.587+/-0.074 χ^2/NDF:1200760.1/22

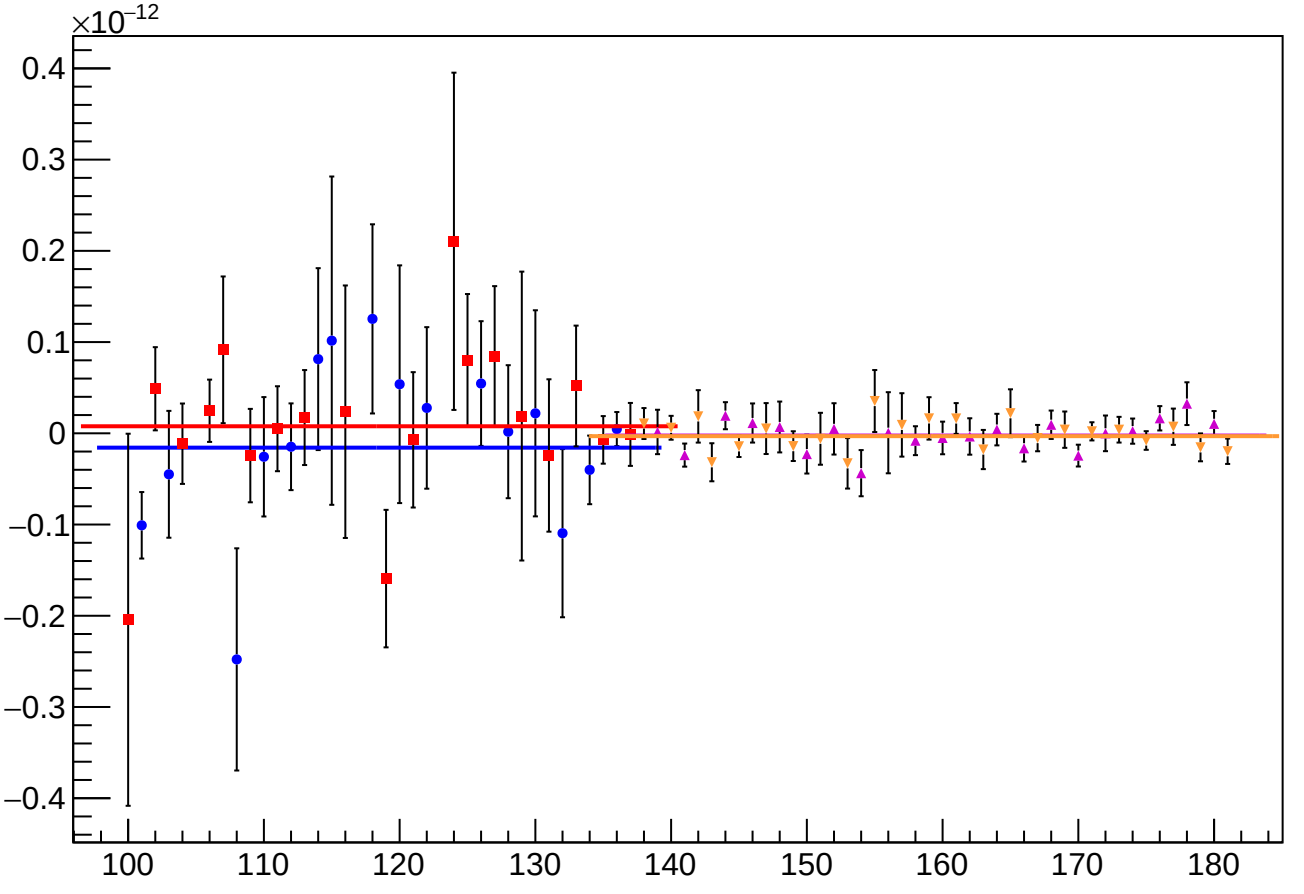
Right Out: 605.373+/-0.162 χ^2/NDF: 853994.0/18

Left In: 436.911+/-0.076 χ^2/NDF:1079244.7/20

+ sign 469.972+/-0.068 χ^2/NDF: 2953042.3/38

All: 468.607+/-0.048 χ^2/NDF: 5775585.3/78

- sign 467.216+/-0.069 χ^2/NDF: 2821729.4/39



Right In: -0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.3/22

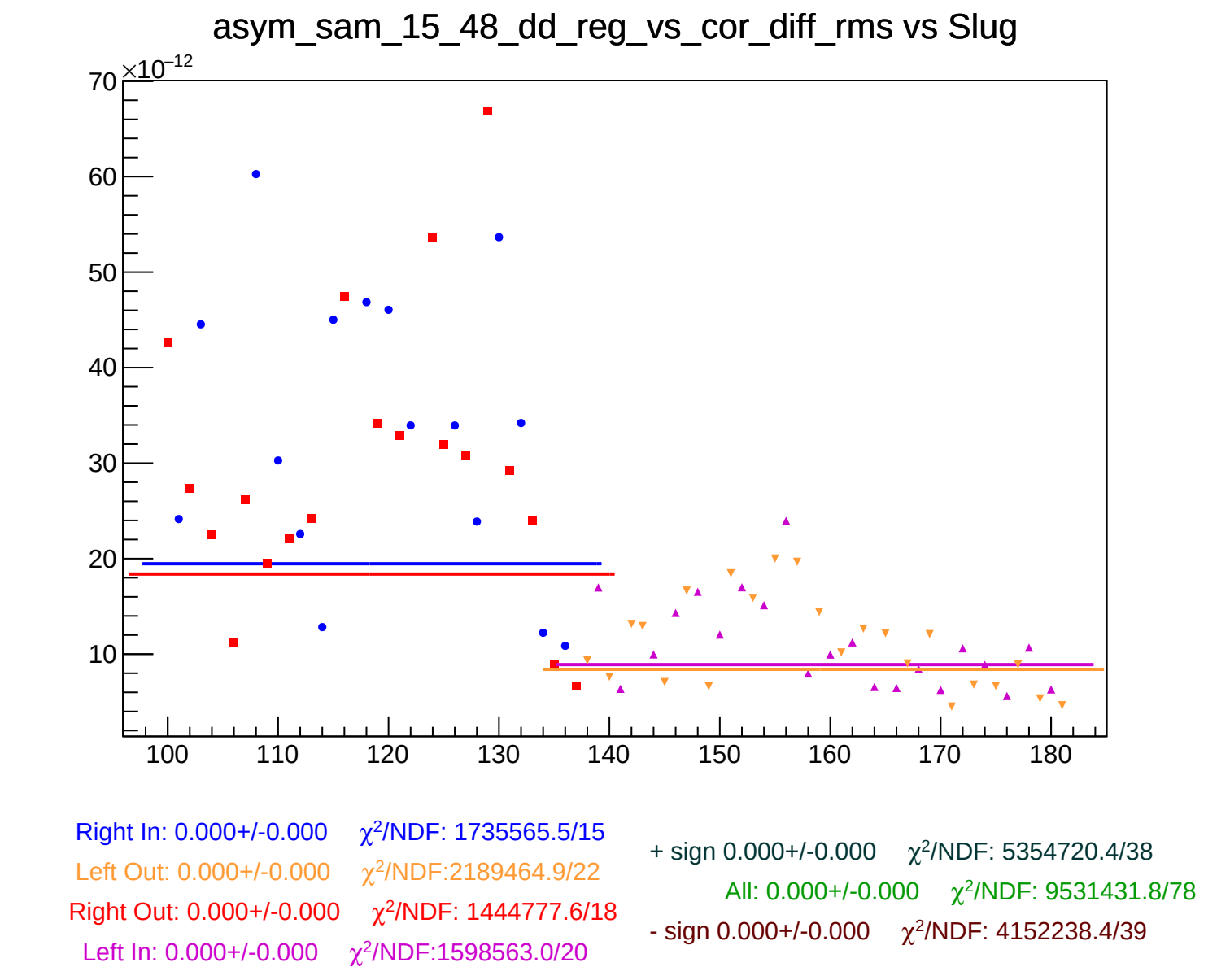
Right Out: 0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: -0.000+/-0.000 χ^2/NDF:19.6/20

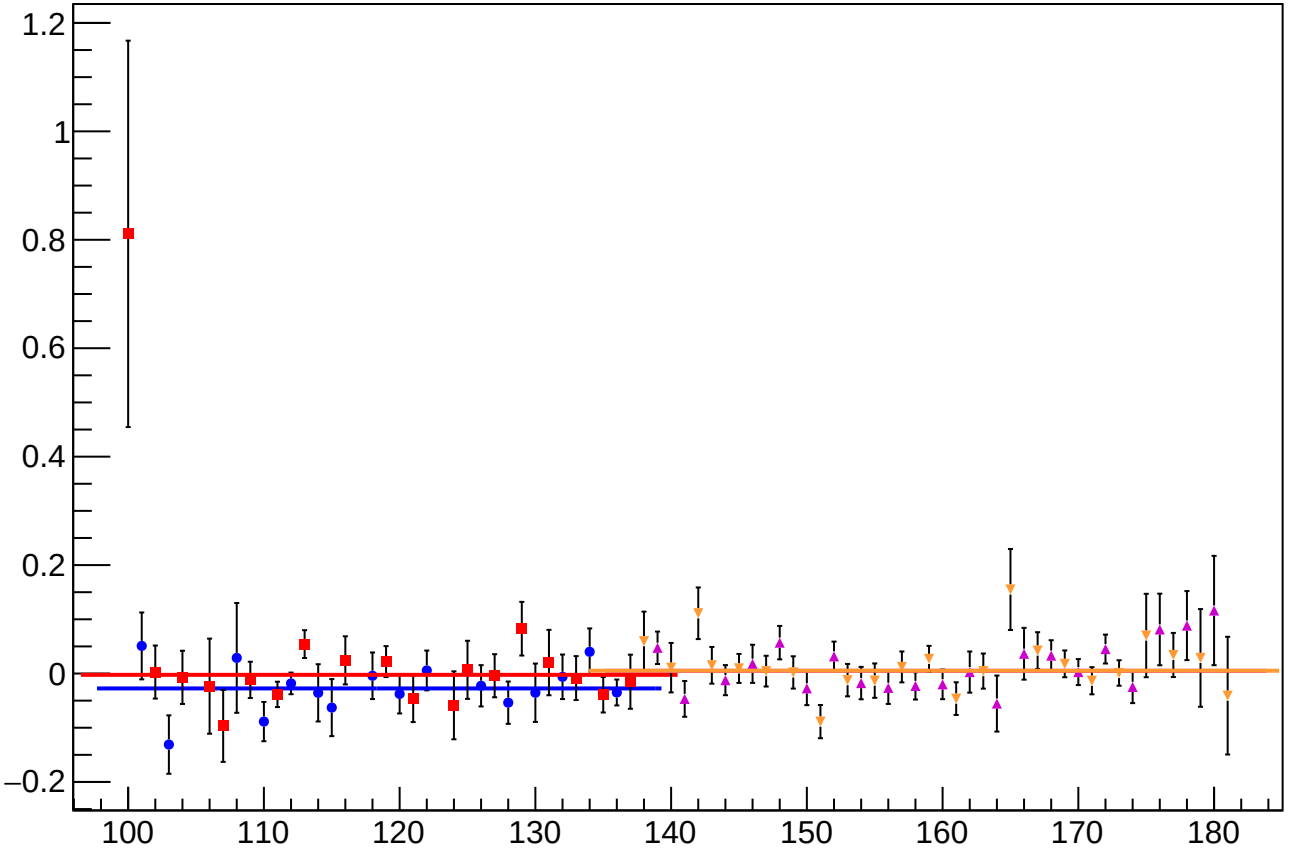
+ sign -0.000+/-0.000 χ^2/NDF: 32.1/38

All: -0.000+/-0.000 χ^2/NDF: 65.6/78

- sign -0.000+/-0.000 χ^2/NDF: 33.2/39


asym_sam_15_48_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: 1735565.5/15
Left Out: 0.000+/-0.000 χ²/NDF:2189464.9/22
Right Out: 0.000+/-0.000 χ²/NDF: 1444777.6/18
Left In: 0.000+/-0.000 χ²/NDF:1598563.0/20
+ sign 0.000+/-0.000 χ²/NDF: 5354720.4/38
All: 0.000+/-0.000 χ²/NDF: 9531431.8/78
- sign 0.000+/-0.000 χ²/NDF: 4152238.4/39

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:27.5/22

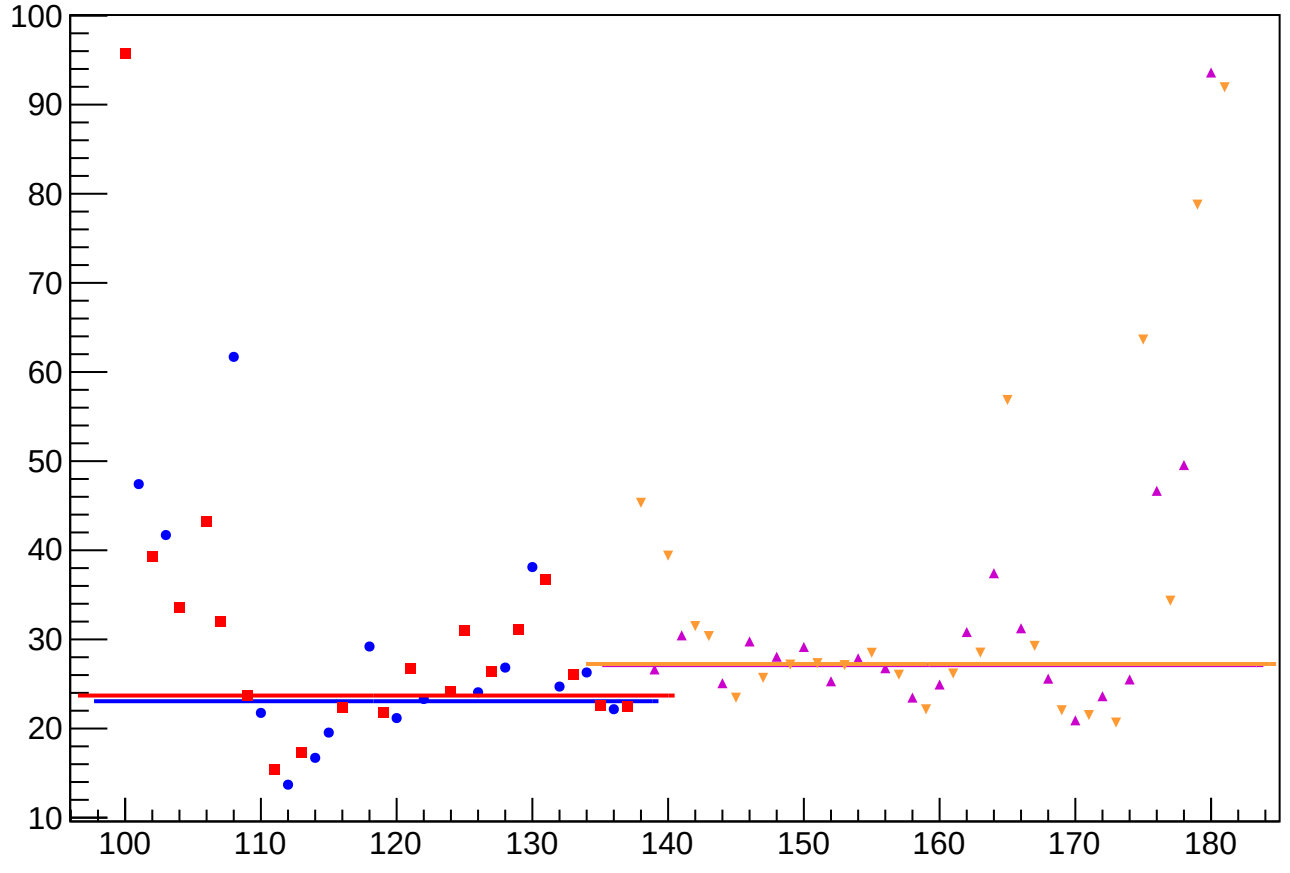
Right Out: -0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: 0.005+/-0.007 χ^2/NDF:24.0/20

+ sign -0.006+/-0.006 χ^2/NDF: 49.0/38

All: -0.002+/-0.004 χ^2/NDF: 96.6/78

- sign 0.002+/-0.006 χ^2/NDF: 46.5/39



Right In: 23.066+/-0.007 χ^2/NDF: 1564478.6/15

Left Out: 27.244+/-0.005 χ^2/NDF:3087326.8/22

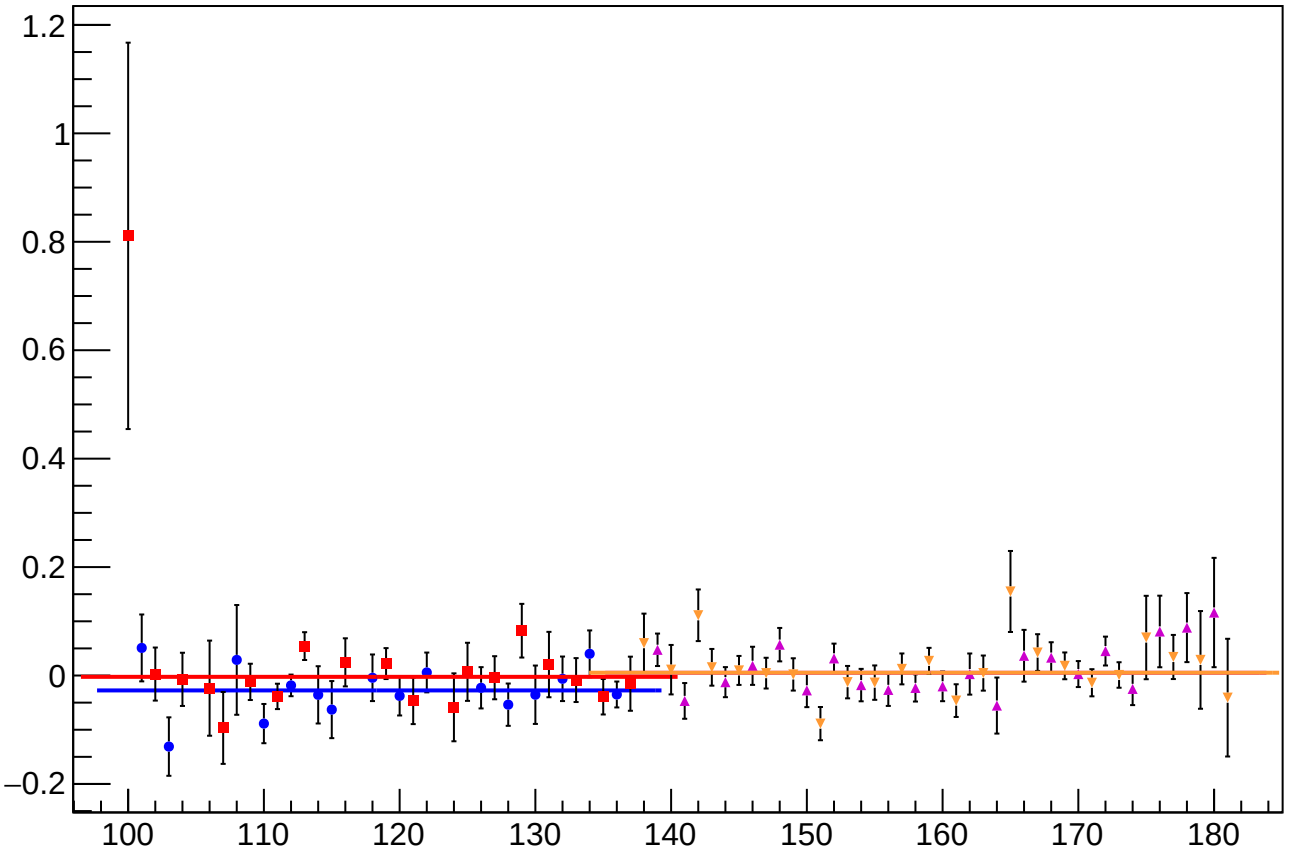
Right Out: 23.702+/-0.007 χ^2/NDF: 1088494.2/18

Left In: 27.114+/-0.005 χ^2/NDF:1705307.6/20

+ sign 25.787+/-0.004 χ^2/NDF: 4909432.6/38

All: 25.831+/-0.003 χ^2/NDF: 7875392.2/78

- sign 25.877+/-0.004 χ^2/NDF: 2965695.9/39



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.005+/-0.007 χ^2/NDF:27.5/22

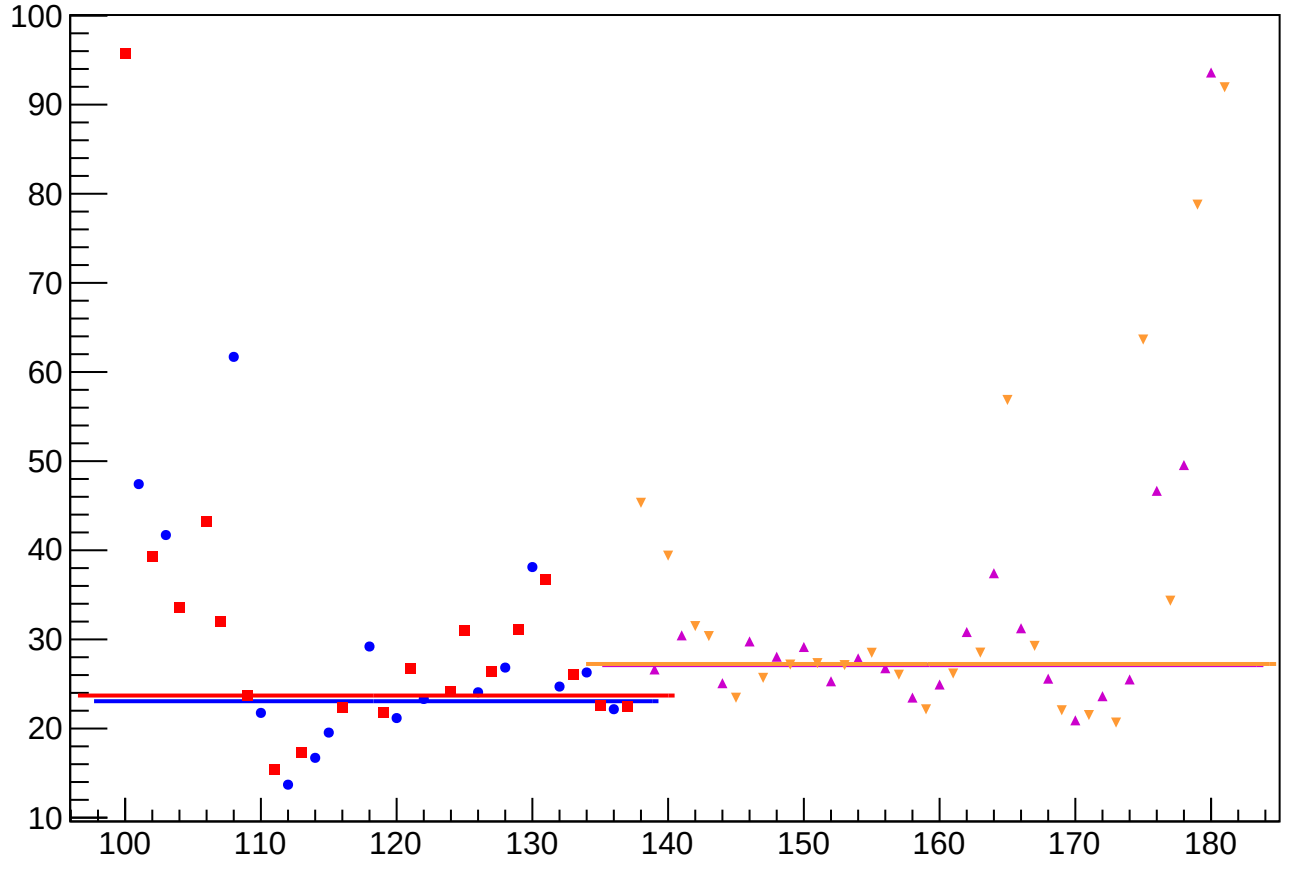
Right Out: -0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: 0.005+/-0.007 χ^2/NDF:24.0/20

+ sign -0.006+/-0.006 χ^2/NDF: 49.0/38

All: -0.002+/-0.004 χ^2/NDF: 96.6/78

- sign 0.002+/-0.006 χ^2/NDF: 46.5/39



Right In: 23.066+/-0.007 χ^2/NDF: 1564478.6/15

Left Out: 27.244+/-0.005 χ^2/NDF:3087326.8/22

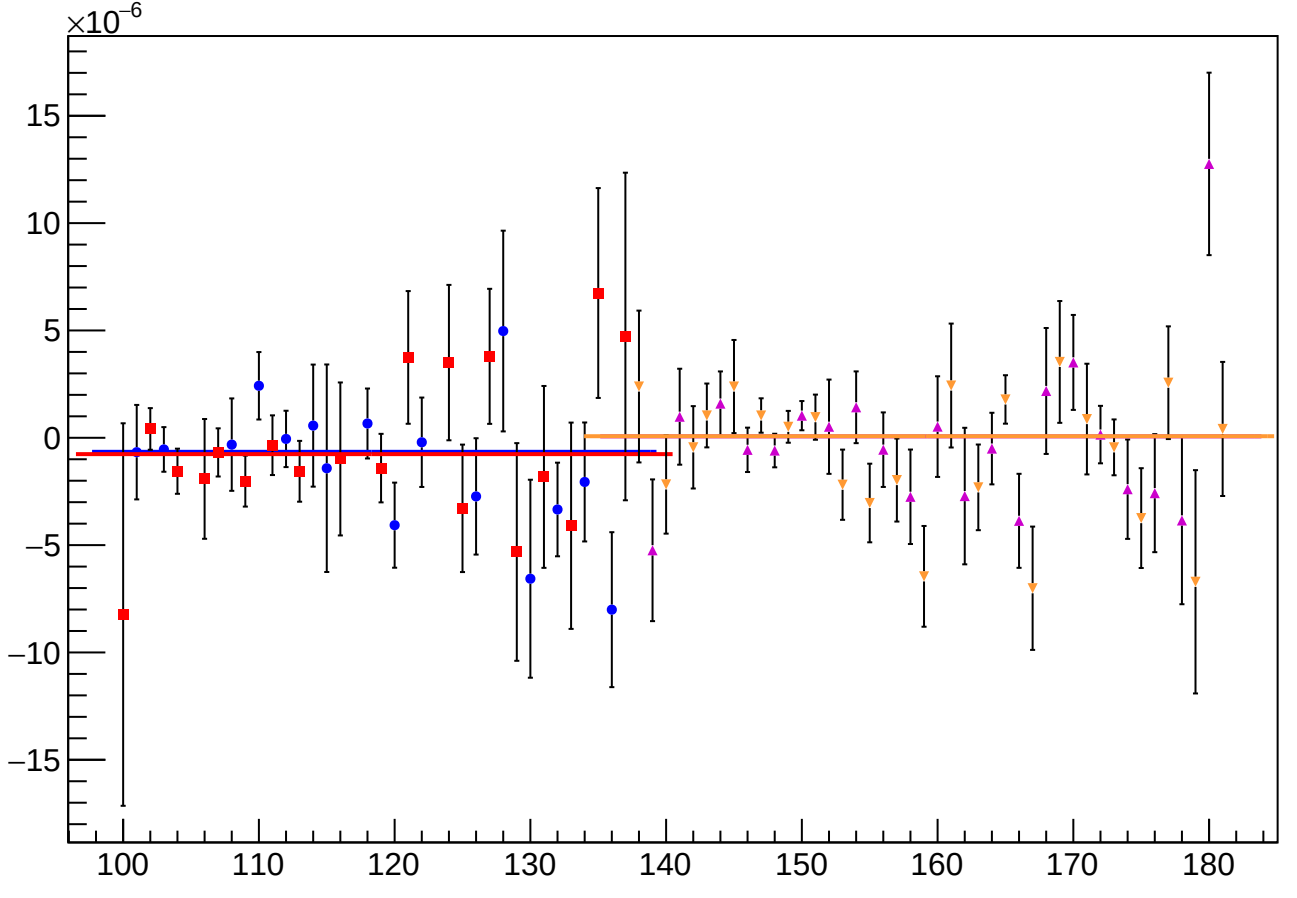
Right Out: 23.702+/-0.007 χ^2/NDF: 1088494.2/18

Left In: 27.114+/-0.005 χ^2/NDF:1705307.6/20

+ sign 25.787+/-0.004 χ^2/NDF: 4909432.6/38

All: 25.831+/-0.003 χ^2/NDF: 7875392.2/78

- sign 25.877+/-0.004 χ^2/NDF: 2965695.9/39



Right In: -0.000+/-0.000 χ^2/NDF: 17.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:36.7/22

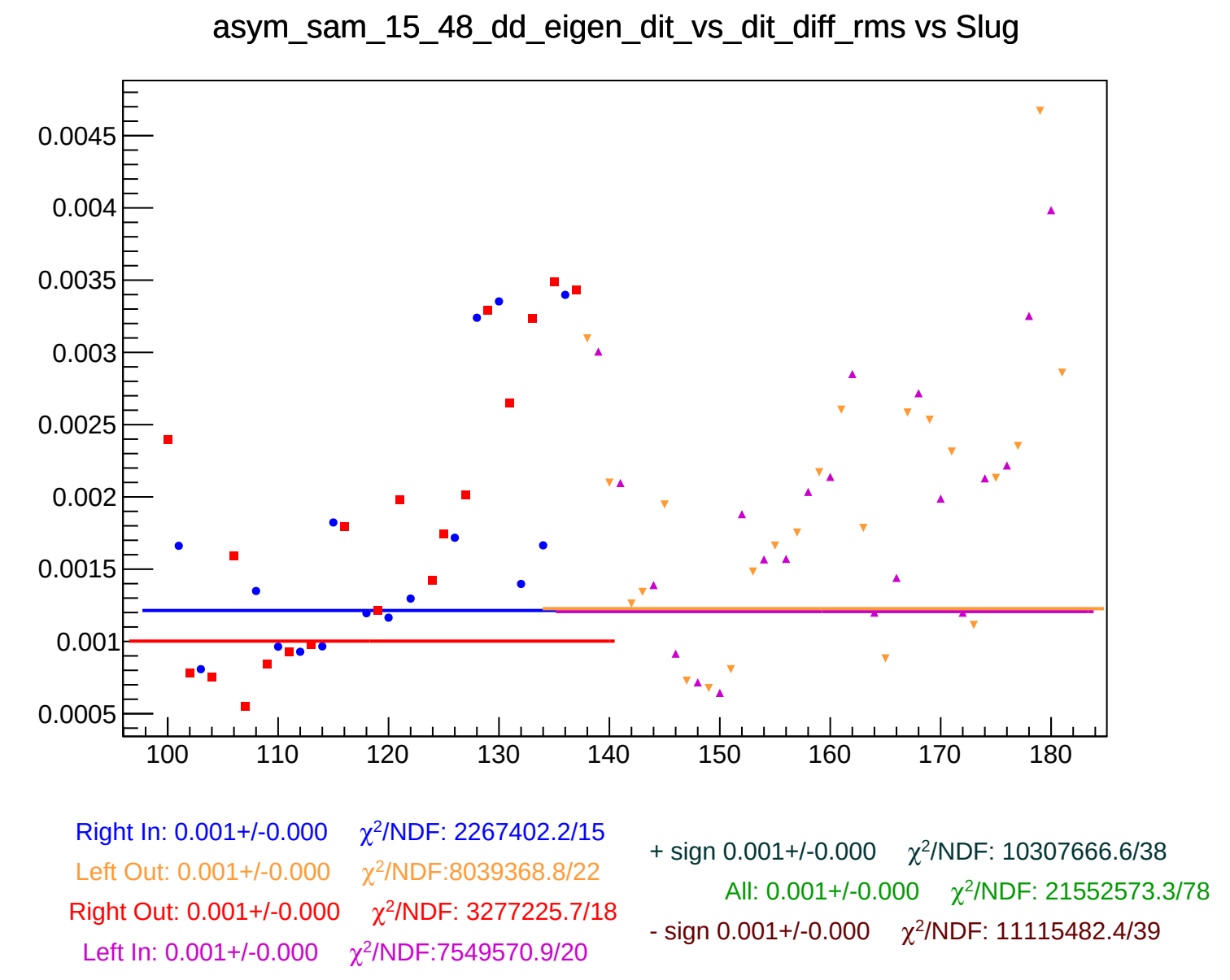
Right Out: -0.000+/-0.000 χ^2/NDF: 15.2/18

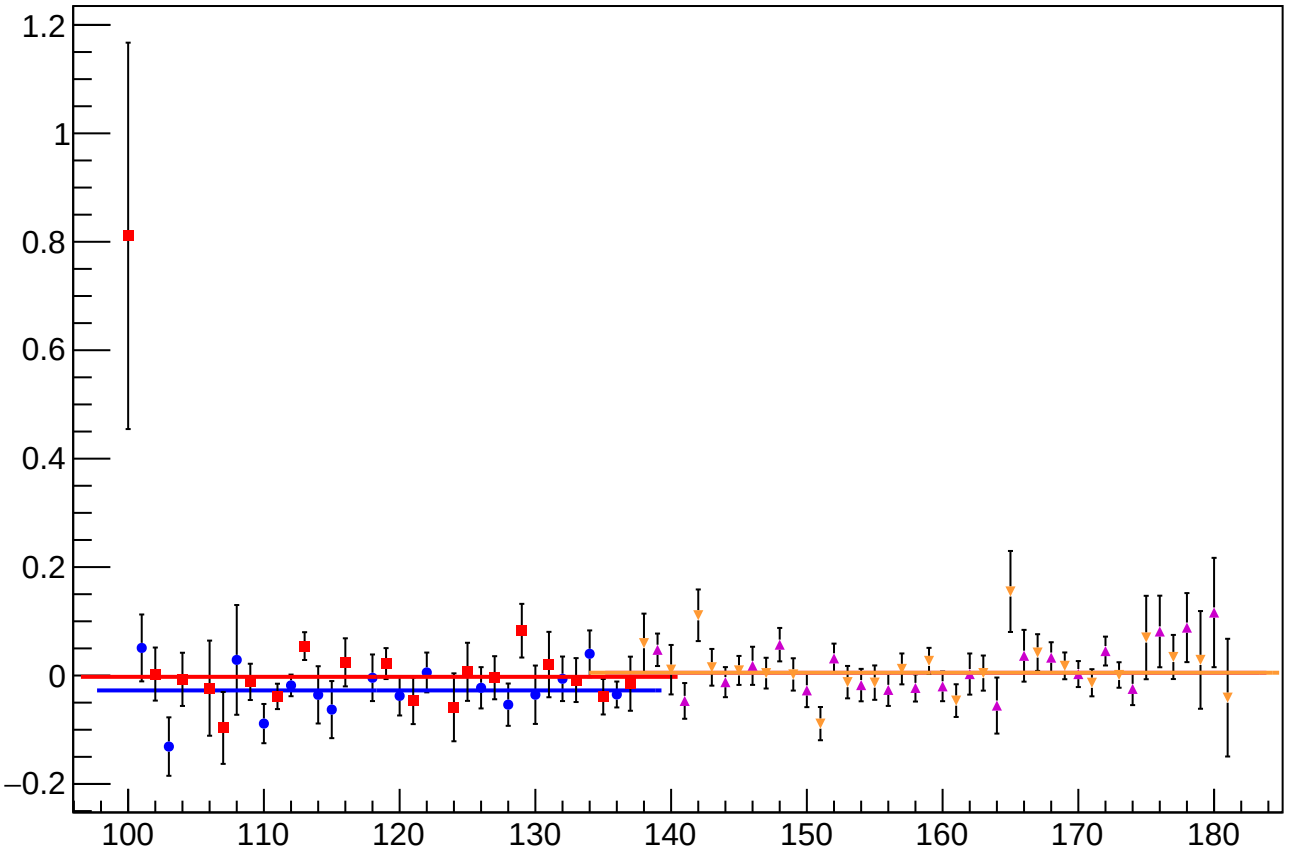
Left In: 0.000+/-0.000 χ^2/NDF:28.4/20

+ sign -0.000+/-0.000 χ^2/NDF: 55.7/38

All: -0.000+/-0.000 χ^2/NDF: 101.8/78

- sign -0.000+/-0.000 χ^2/NDF: 46.0/39


asym_sam_15_48_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.0045
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: 2267402.2/15
Left Out: 0.001+/-0.000 χ²/NDF:8039368.8/22
Right Out: 0.001+/-0.000 χ²/NDF: 3277225.7/18
Left In: 0.001+/-0.000 χ²/NDF:7549570.9/20
+ sign 0.001+/-0.000 χ²/NDF: 10307666.6/38
All: 0.001+/-0.000 χ²/NDF: 21552573.3/78
- sign 0.001+/-0.000 χ²/NDF: 11115482.4/39



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.005+/-0.007 χ^2/NDF:27.5/22

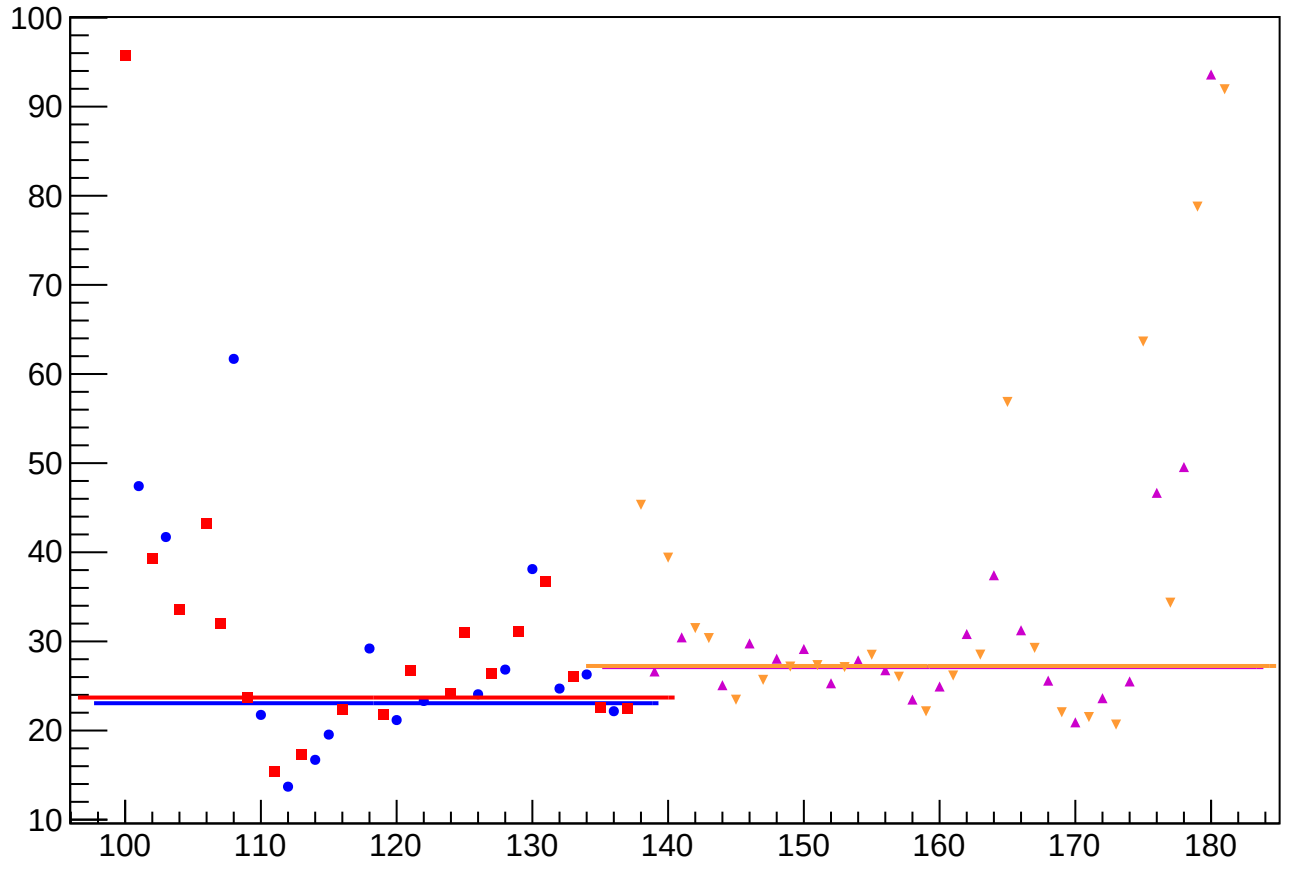
Right Out: -0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: 0.005+/-0.007 χ^2/NDF:24.0/20

+ sign -0.006+/-0.006 χ^2/NDF: 49.0/38

All: -0.002+/-0.004 χ^2/NDF: 96.6/78

- sign 0.002+/-0.006 χ^2/NDF: 46.5/39



Right In: 23.065+/-0.007 χ^2/NDF: 1564493.0/15

Left Out: 27.244+/-0.005 χ^2/NDF:3087277.2/22

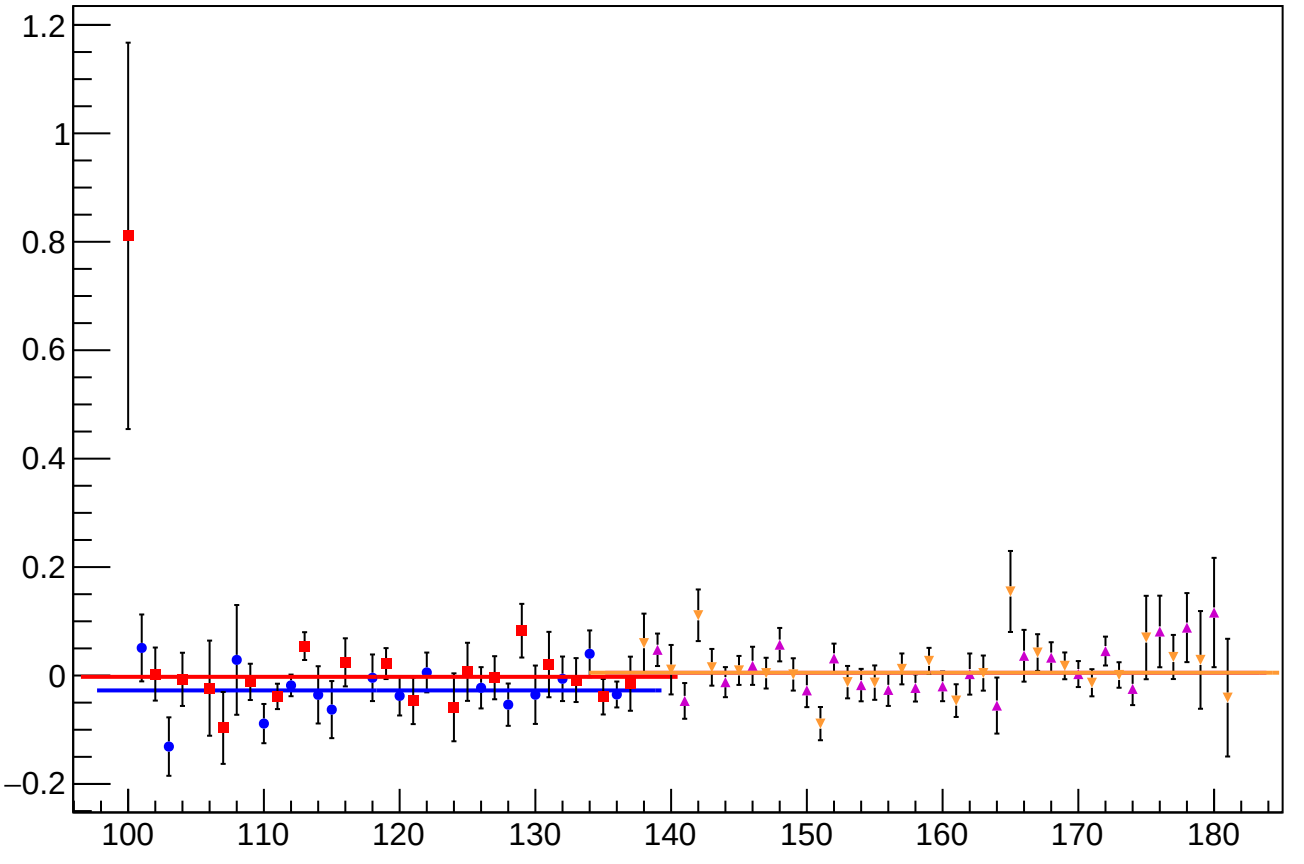
Right Out: 23.702+/-0.007 χ^2/NDF: 1088531.8/18

Left In: 27.115+/-0.005 χ^2/NDF:1705276.1/20

+ sign 25.787+/-0.004 χ^2/NDF: 4909462.4/38

All: 25.831+/-0.003 χ^2/NDF: 7875471.9/78

- sign 25.877+/-0.004 χ^2/NDF: 2965746.3/39



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.005+/-0.007 χ^2/NDF:27.5/22

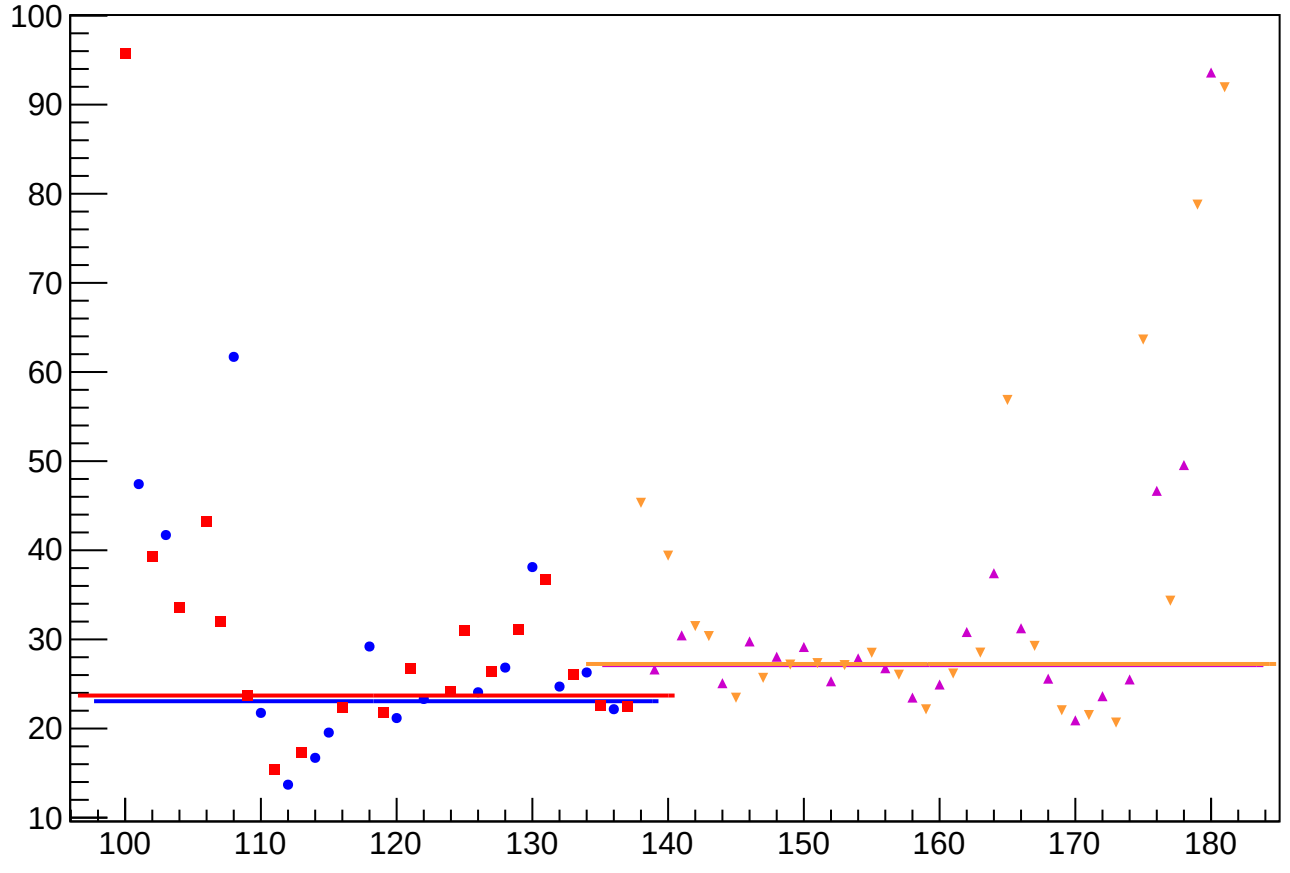
Right Out: -0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: 0.005+/-0.007 χ^2/NDF:24.0/20

+ sign -0.006+/-0.006 χ^2/NDF: 49.0/38

All: -0.002+/-0.004 χ^2/NDF: 96.6/78

- sign 0.002+/-0.006 χ^2/NDF: 46.5/39



Right In: 23.065+/-0.007 χ^2/NDF: 1564493.0/15

Left Out: 27.244+/-0.005 χ^2/NDF:3087277.2/22

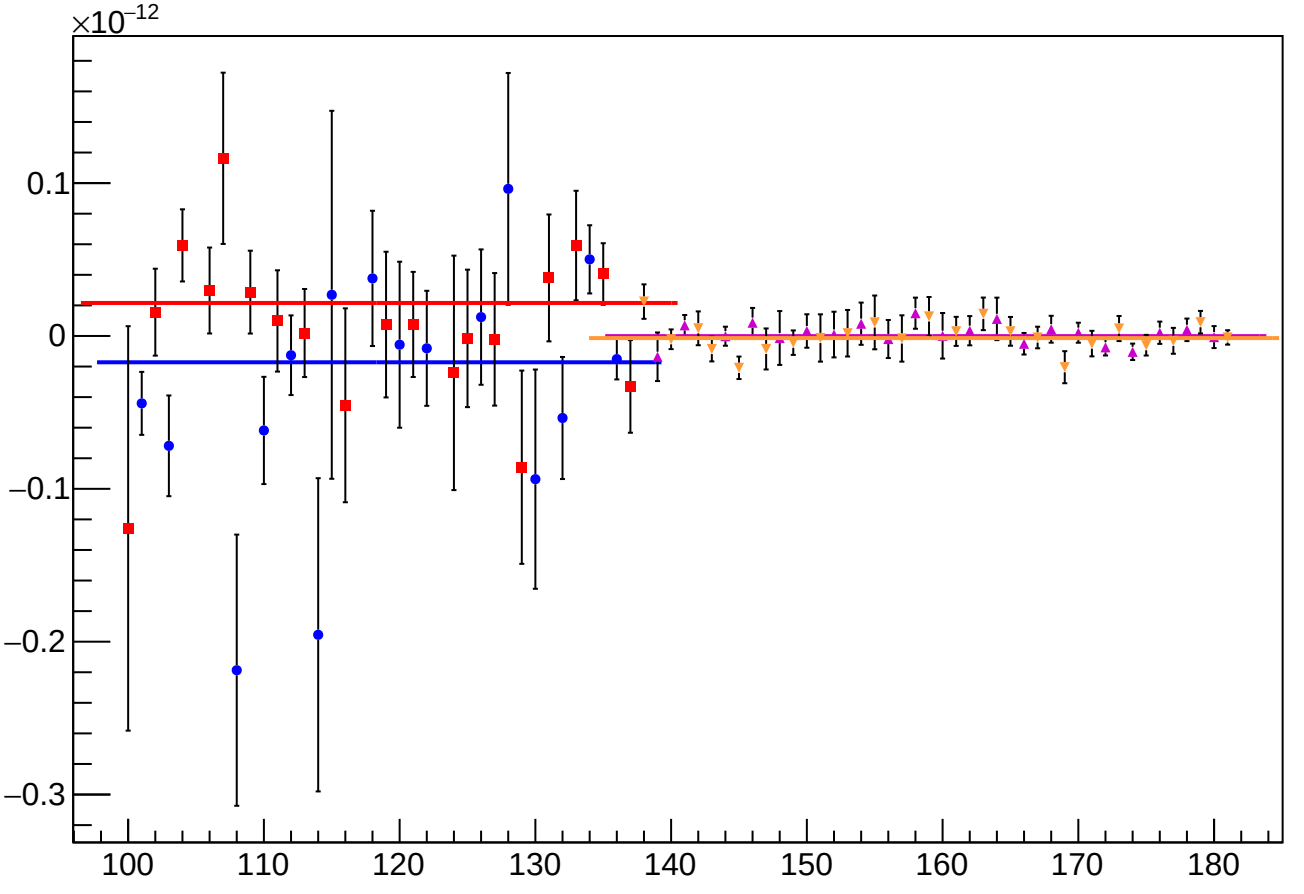
Right Out: 23.702+/-0.007 χ^2/NDF: 1088531.8/18

Left In: 27.115+/-0.005 χ^2/NDF:1705276.1/20

+ sign 25.787+/-0.004 χ^2/NDF: 4909462.4/38

All: 25.831+/-0.003 χ^2/NDF: 7875471.9/78

- sign 25.877+/-0.004 χ^2/NDF: 2965746.3/39



Right In: -0.000+/-0.000 χ^2/NDF: 29.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:23.9/22

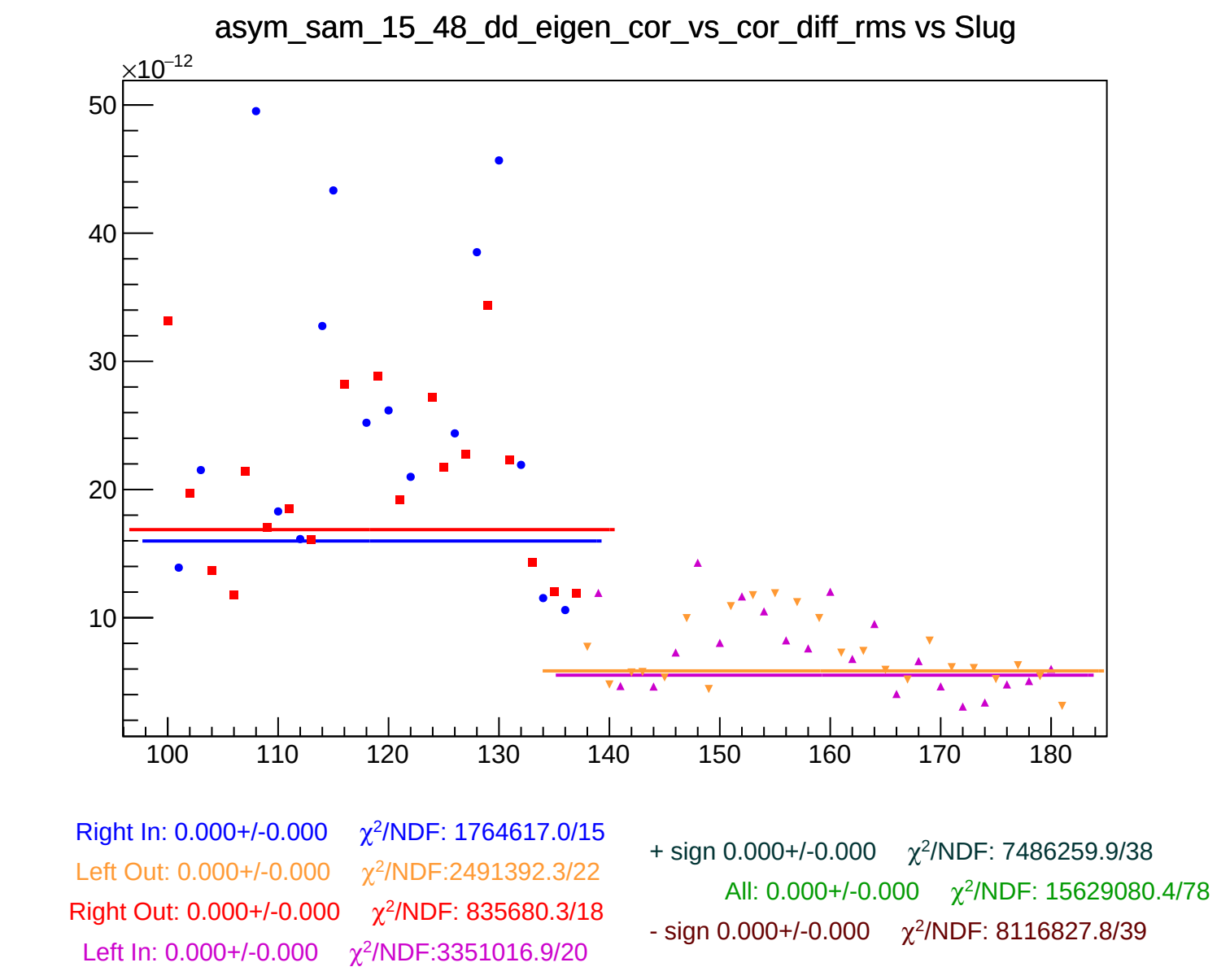
Right Out: 0.000+/-0.000 χ^2/NDF: 18.0/18

Left In: -0.000+/-0.000 χ^2/NDF:12.9/20

+ sign -0.000+/-0.000 χ^2/NDF: 57.7/38

All: -0.000+/-0.000 χ^2/NDF: 97.4/78

- sign 0.000+/-0.000 χ^2/NDF: 38.1/39


asym_sam_15_48_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
50
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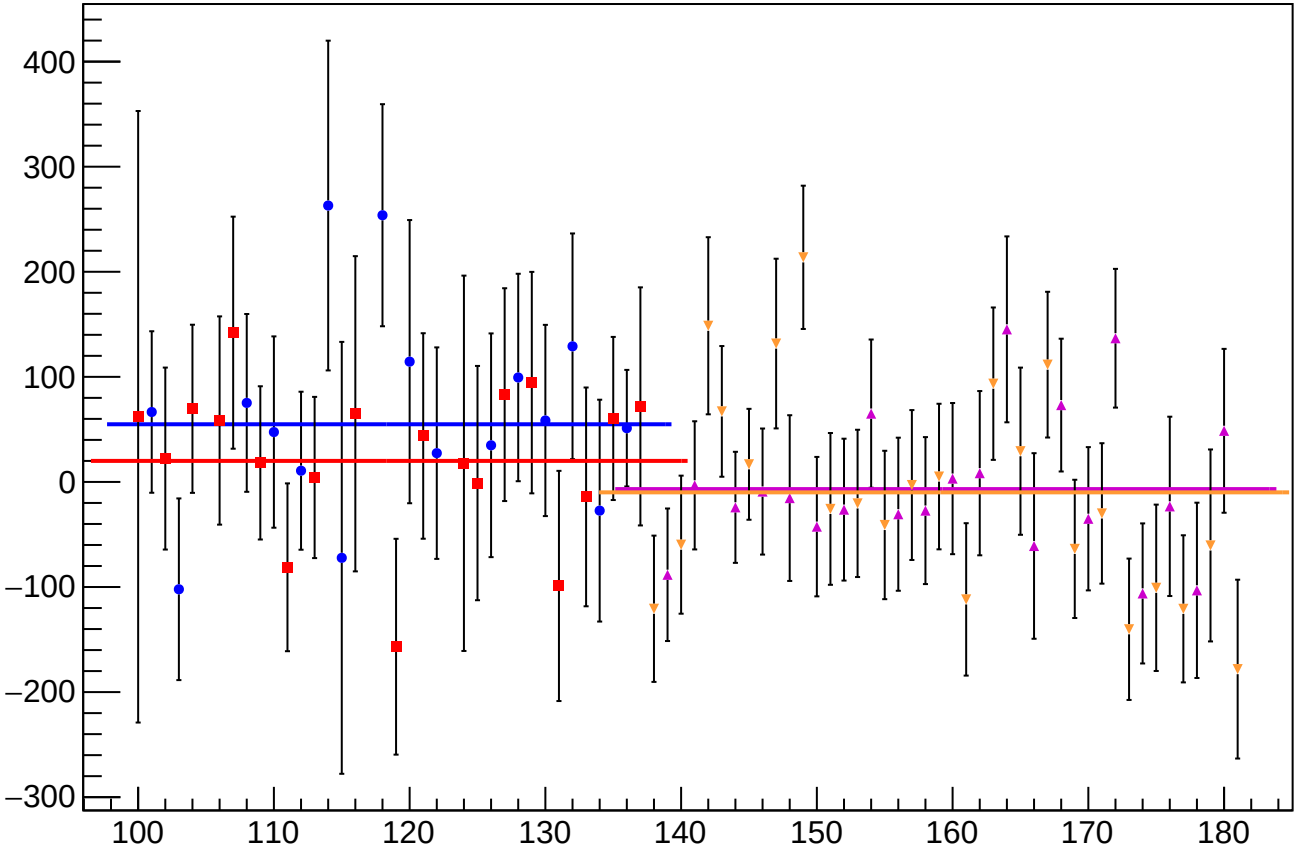
10
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1764617.0/15
Left Out: 0.000+/-0.000 χ²/NDF:2491392.3/22
Right Out: 0.000+/-0.000 χ²/NDF: 835680.3/18
Left In: 0.000+/-0.000 χ²/NDF:3351016.9/20
+ sign 0.000+/-0.000 χ²/NDF: 7486259.9/38
All: 0.000+/-0.000 χ²/NDF: 15629080.4/78
- sign 0.000+/-0.000 χ²/NDF: 8116827.8/39

reg_asym_sam_37_48_dd_mean vs Slug



Right In: 54.883+/-23.179 χ^2/NDF: 11.0/15

Left Out: -9.913+/-14.728 χ^2/NDF:42.5/22

Right Out: 20.020+/-22.571 χ^2/NDF: 9.2/18

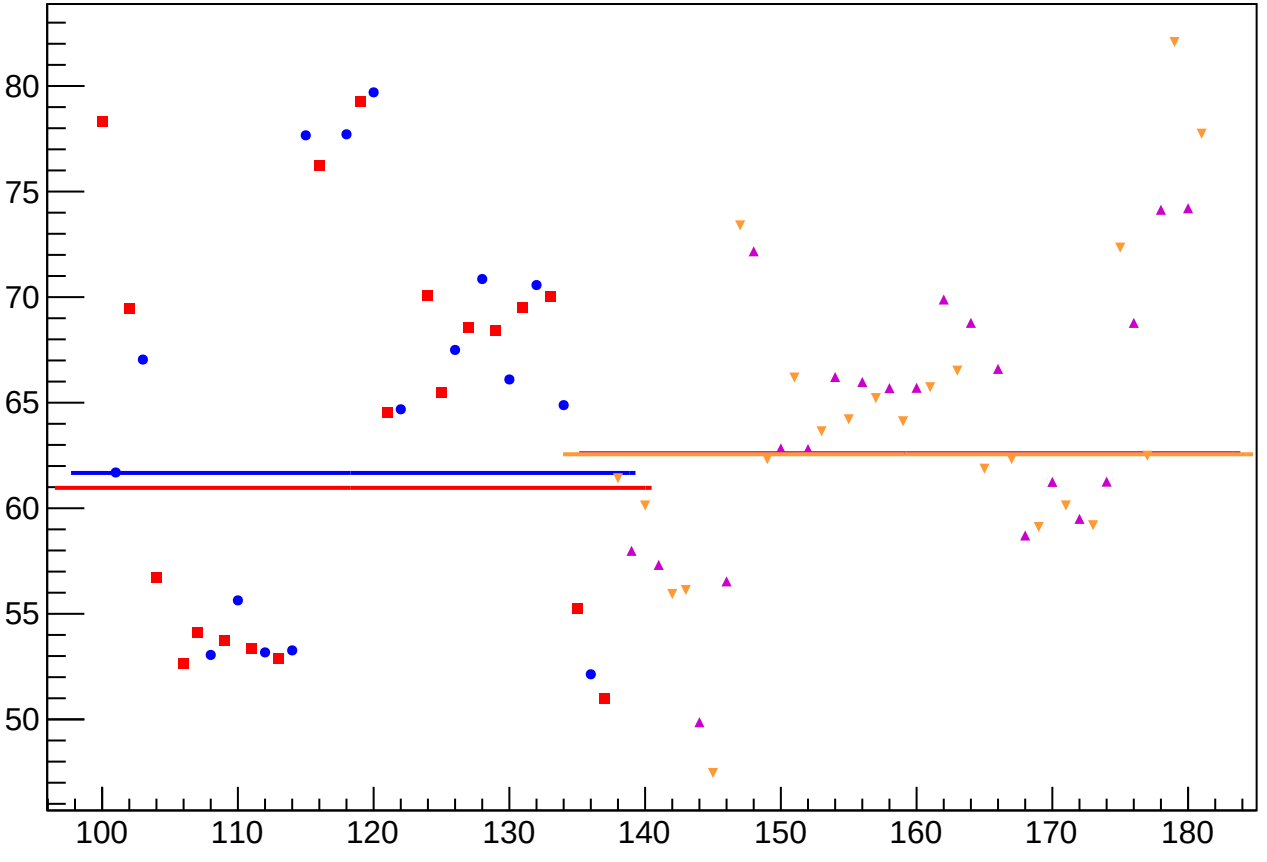
Left In: -6.809+/-15.185 χ^2/NDF:17.4/20

+ sign 8.724+/-12.431 χ^2/NDF: 59.0/38

All: 5.186+/-8.849 χ^2/NDF: 86.8/78

- sign 1.551+/-12.599 χ^2/NDF: 27.6/39

reg_asym_sam_37_48_dd_rms vs Slug



Right In: 61.673+/-0.016 χ^2/NDF: 267108.1/15

Left Out: 62.557+/-0.010 χ^2/NDF:455822.7/22

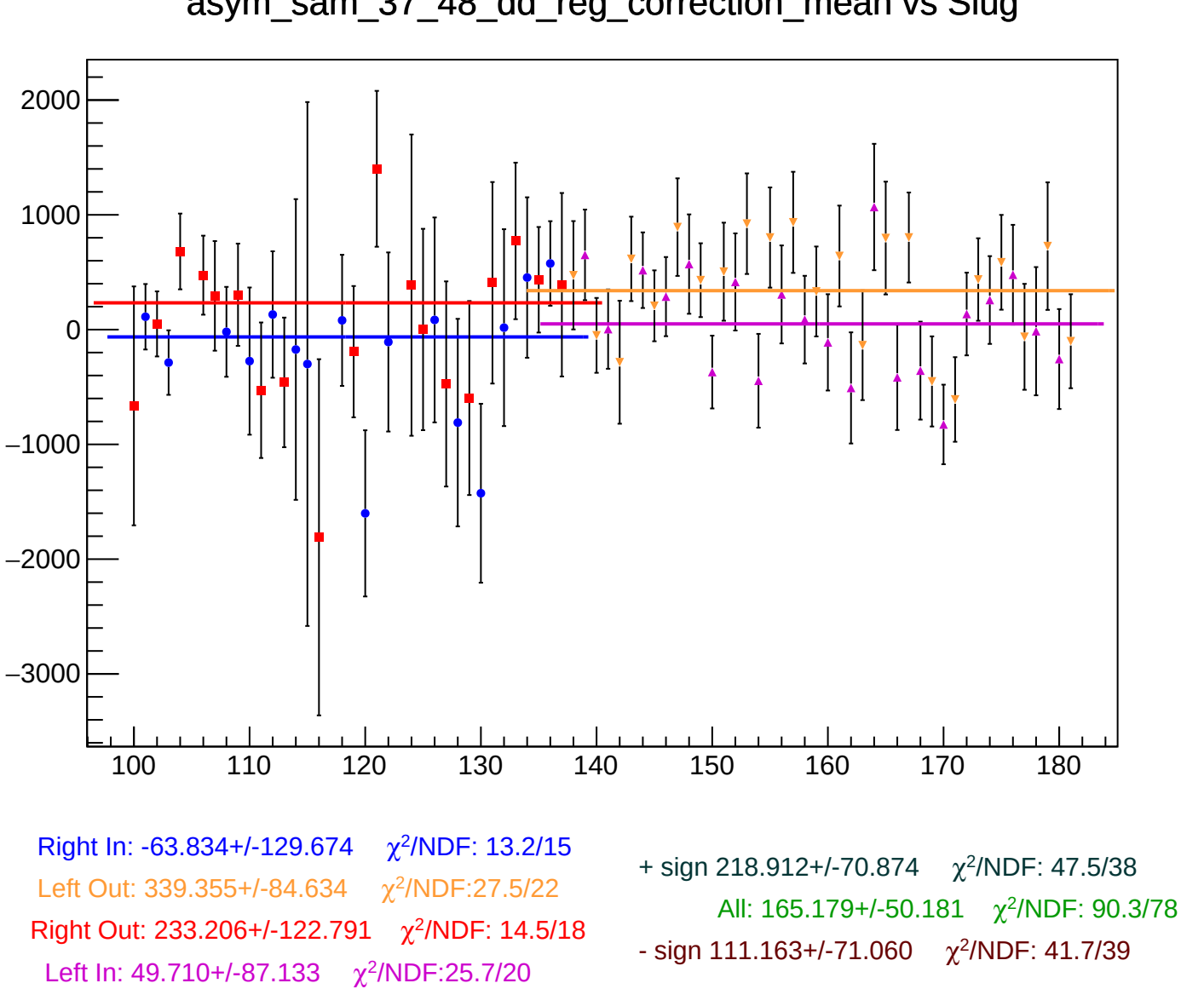
Right Out: 60.967+/-0.016 χ^2/NDF: 284183.4/18

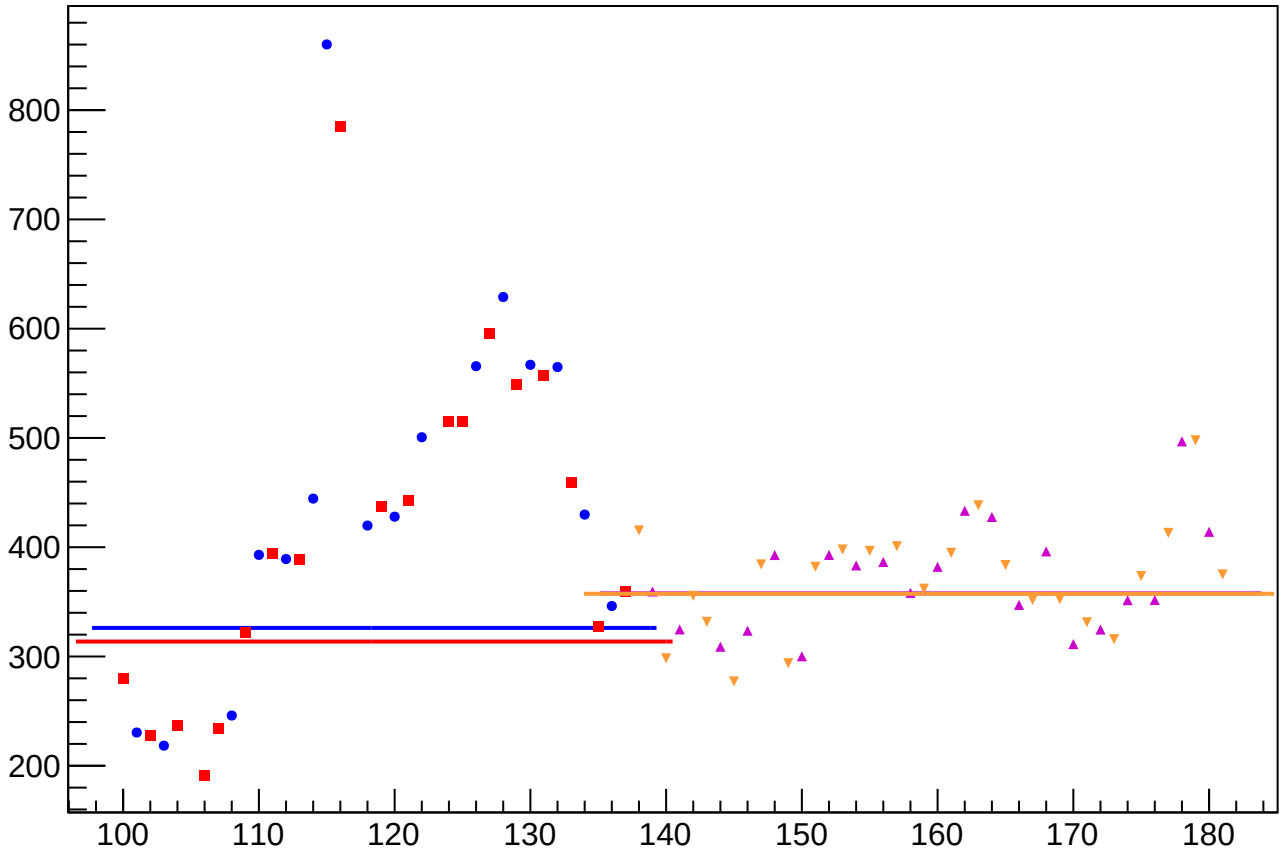
Left In: 62.610+/-0.011 χ^2/NDF:346949.0/20

+ sign 62.303+/-0.009 χ^2/NDF: 725004.5/38

All: 62.202+/-0.006 χ^2/NDF: 1363707.8/78

- sign 62.098+/-0.009 χ^2/NDF: 638435.9/39


asym_sam_37_48_dd_reg_correction_mean vs Slug
2000
1000
0
−1000
−2000
−3000
100
110
120
130
140
150
160
170
180
Right In: -63.834+/-129.674 χ²/NDF: 13.2/15
Left Out: 339.355+/-84.634 χ²/NDF:27.5/22
Right Out: 233.206+/-122.791 χ²/NDF: 14.5/18
Left In: 49.710+/-87.133 χ²/NDF:25.7/20
+ sign 218.912+/-70.874 χ²/NDF: 47.5/38
All: 165.179+/-50.181 χ²/NDF: 90.3/78
- sign 111.163+/-71.060 χ²/NDF: 41.7/39



Right In: 326.147+/-0.092 χ^2/NDF: 1733995.5/15

Left Out: 357.383+/-0.060 χ^2/NDF:665174.7/22

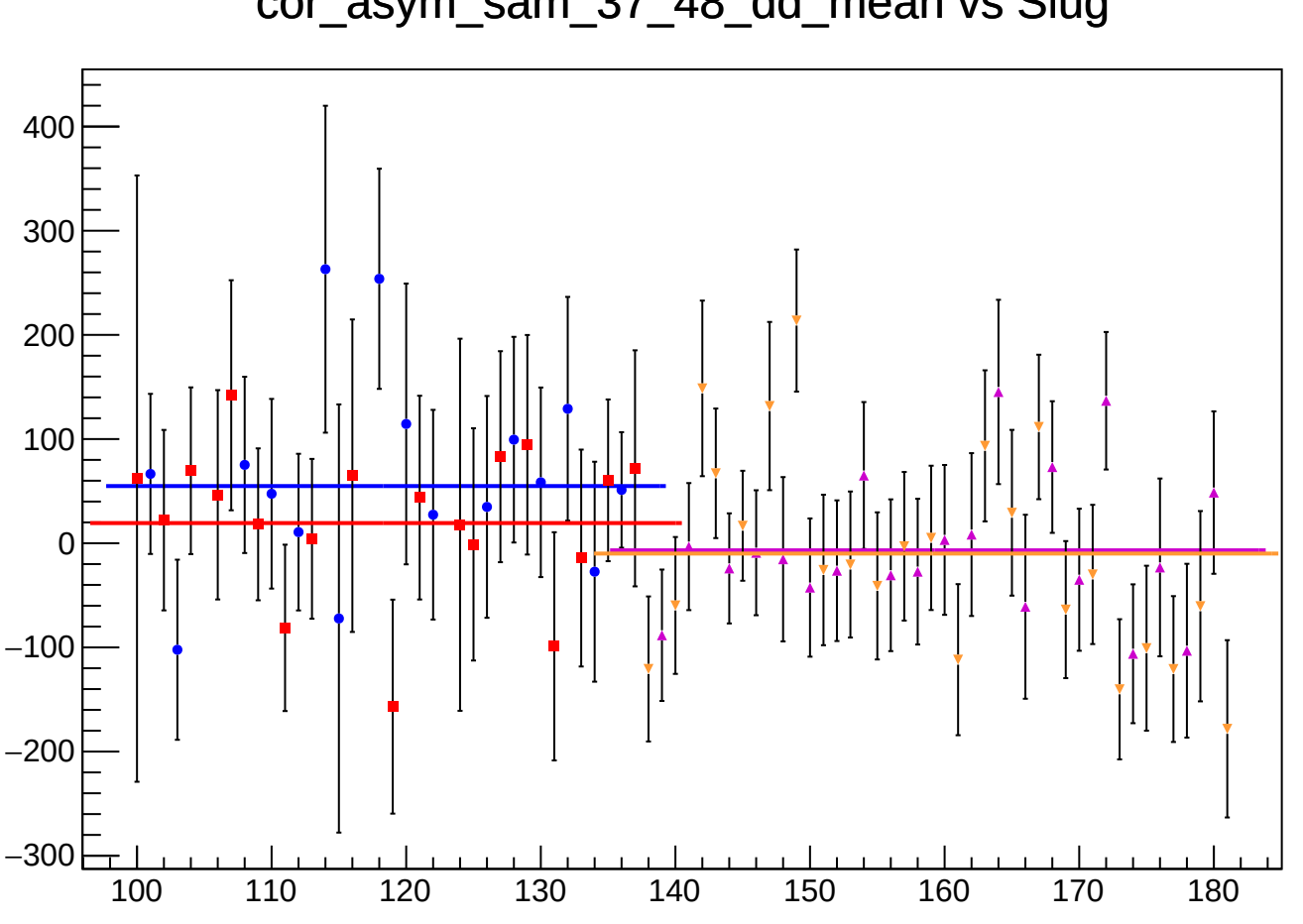
Right Out: 313.672+/-0.087 χ^2/NDF: 1787347.3/18

Left In: 357.804+/-0.062 χ^2/NDF:507588.8/20

+ sign 348.052+/-0.050 χ^2/NDF: 2480549.8/38

All: 345.545+/-0.035 χ^2/NDF: 4952333.5/78

- sign 343.024+/-0.050 χ^2/NDF: 2466764.2/39



Right In: 54.877+/-23.179 χ^2/NDF: 11.0/15

Left Out: -9.916+/-14.728 χ^2/NDF:42.5/22

Right Out: 19.352+/-22.588 χ^2/NDF: 9.2/18

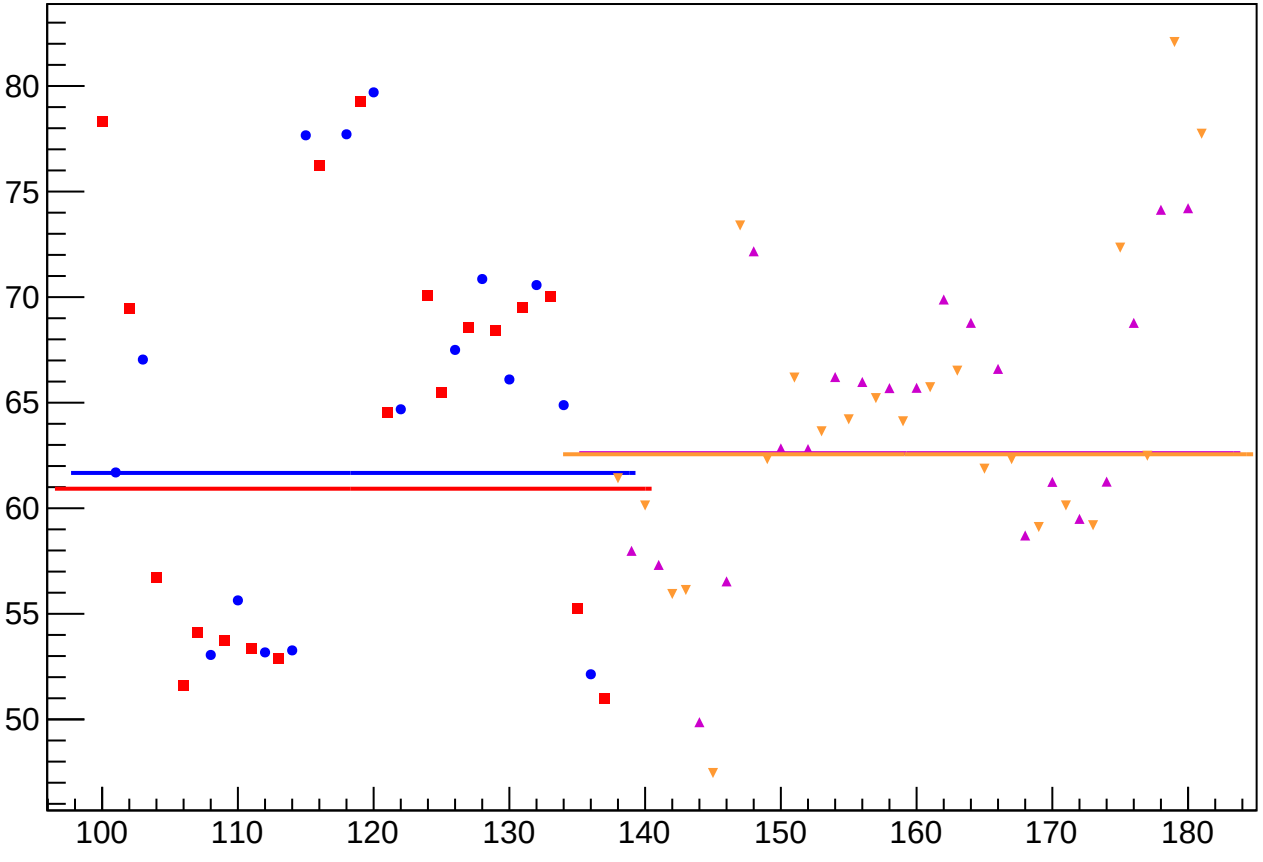
Left In: -6.808+/-15.185 χ^2/NDF:17.4/20

+ sign 8.720+/-12.431 χ^2/NDF: 59.1/38

All: 5.078+/-8.850 χ^2/NDF: 86.7/78

- sign 1.335+/-12.602 χ^2/NDF: 27.5/39

cor_asym_sam_37_48_dd_rms vs Slug



Right In: 61.673+/-0.016 χ^2/NDF: 267108.3/15

Left Out: 62.557+/-0.010 χ^2/NDF:455822.7/22

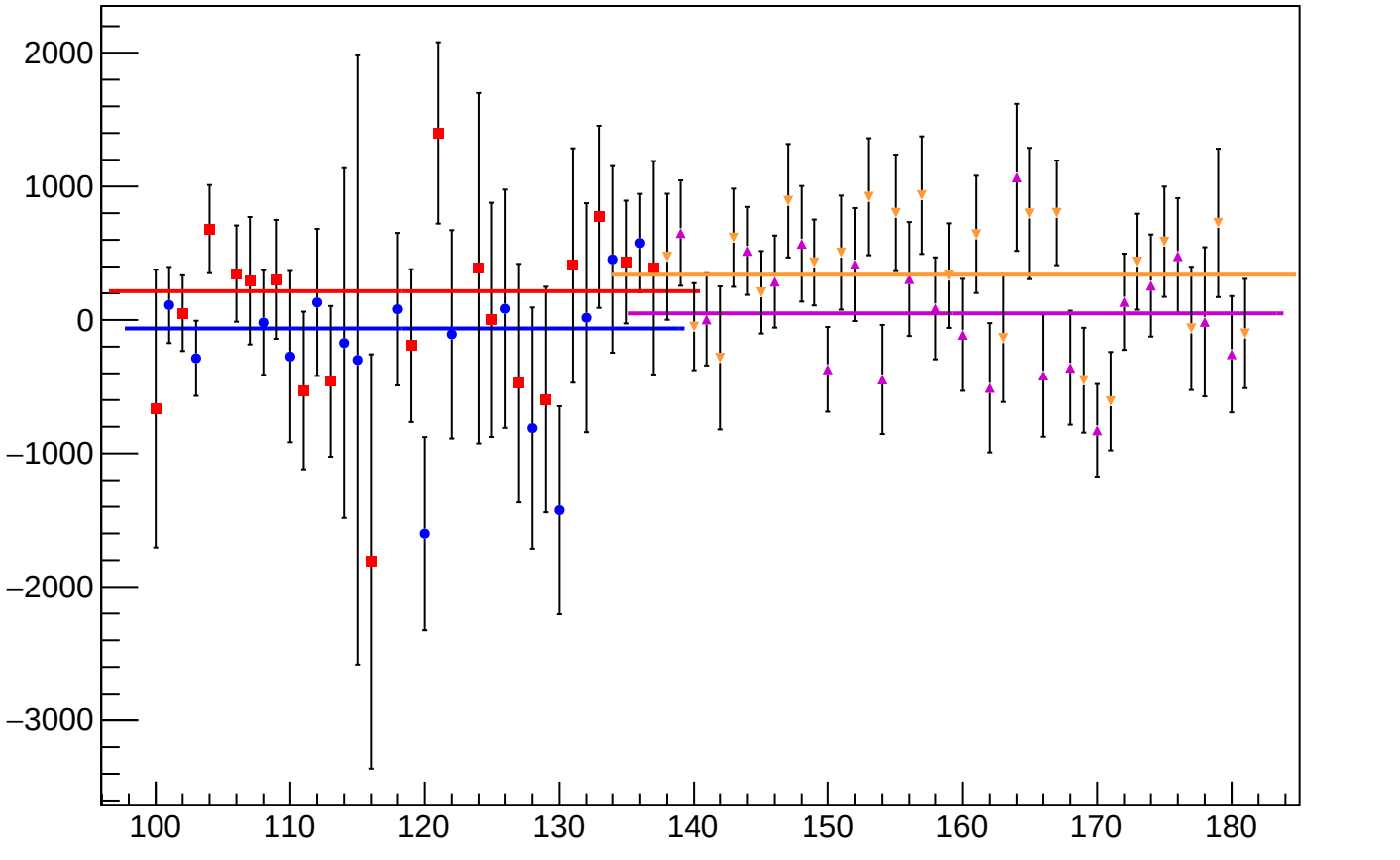
Right Out: 60.926+/-0.016 χ^2/NDF: 287579.6/18

Left In: 62.610+/-0.011 χ^2/NDF:346949.0/20

+ sign 62.303+/-0.009 χ^2/NDF: 725004.7/38

All: 62.196+/-0.006 χ^2/NDF: 1367496.6/78

- sign 62.086+/-0.009 χ^2/NDF: 642191.8/39



Right In: -63.820+/-129.675 χ^2/NDF: 13.2/15

Left Out: 339.352+/-84.634 χ^2/NDF:27.5/22

Right Out: 215.911+/-123.491 χ^2/NDF: 14.1/18

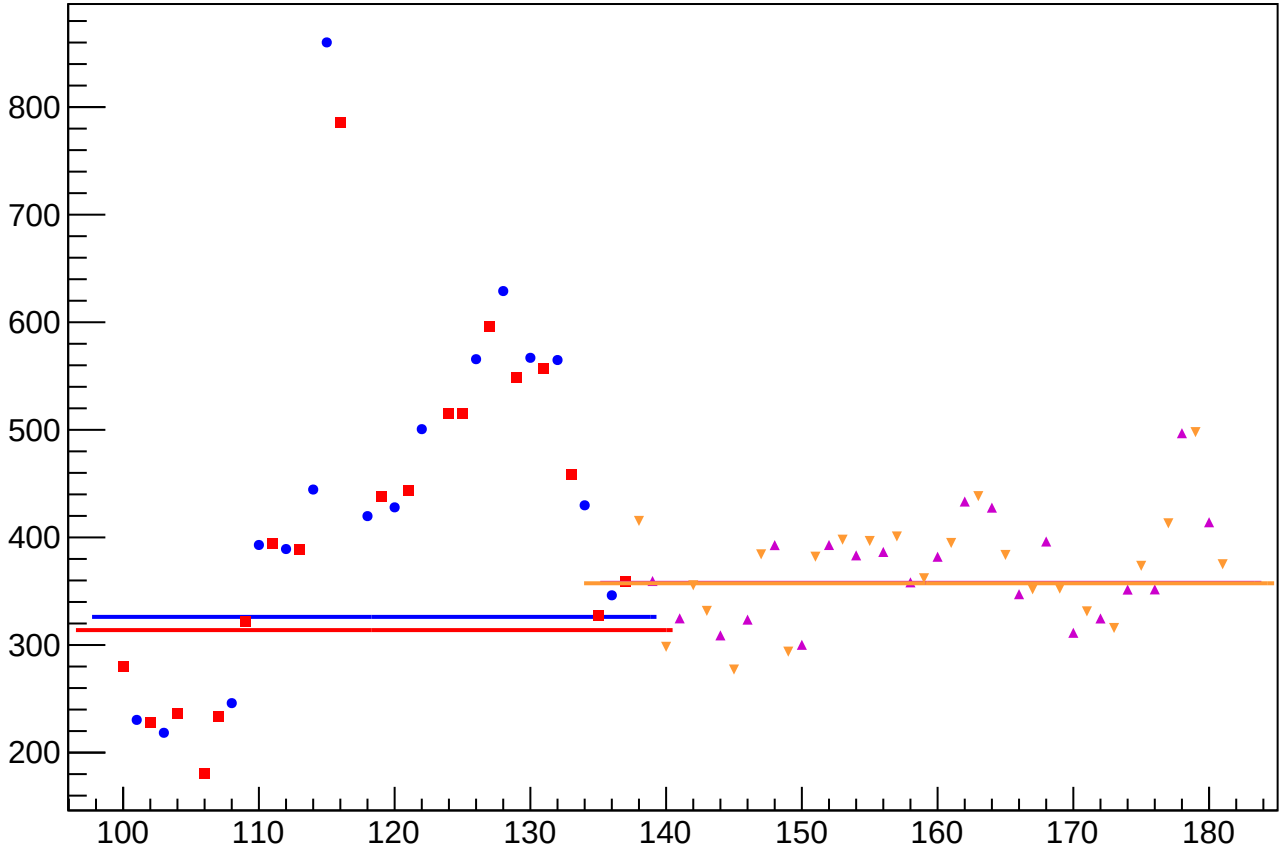
Left In: 49.708+/-87.133 χ^2/NDF:25.7/20

+ sign 218.916+/-70.875 χ^2/NDF: 47.5/38

All: 162.190+/-50.229 χ^2/NDF: 89.7/78

- sign 104.950+/-71.195 χ^2/NDF: 41.0/39

asym_sam_37_48_dd_cor_correction_rms vs Slug



Right In: 326.150+/-0.092 χ^2/NDF: 1733934.7/15

Left Out: 357.383+/-0.060 χ^2/NDF:665171.5/22

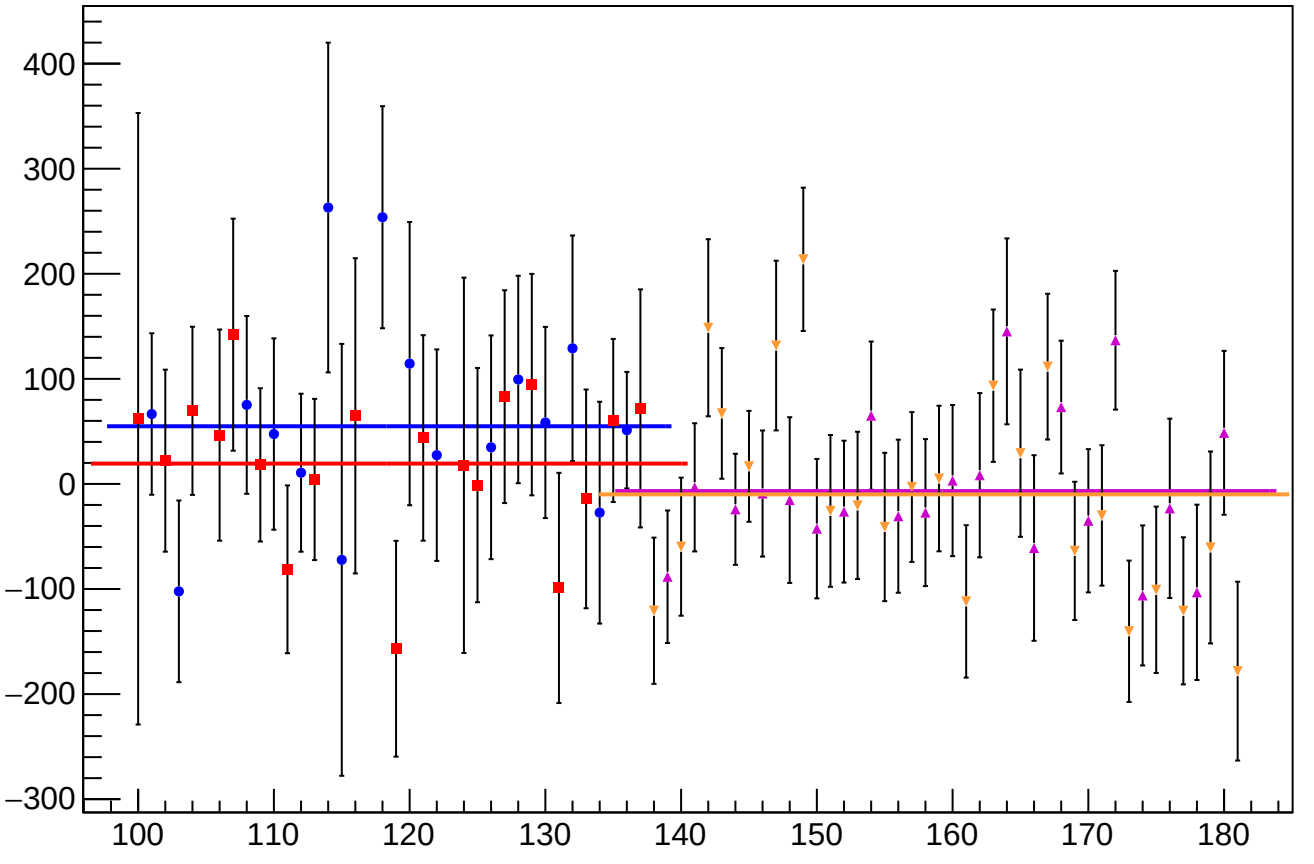
Right Out: 313.861+/-0.087 χ^2/NDF: 1805779.4/18

Left In: 357.804+/-0.062 χ^2/NDF:507591.4/20

+ sign 348.053+/-0.050 χ^2/NDF: 2480470.5/38

All: 345.637+/-0.036 χ^2/NDF: 4967586.8/78

- sign 343.199+/-0.050 χ^2/NDF: 2482445.8/39



Right In: 54.877+/-23.179 χ^2/NDF: 11.0/15

Left Out: -9.916+/-14.728 χ^2/NDF:42.5/22

Right Out: 19.352+/-22.588 χ^2/NDF: 9.2/18

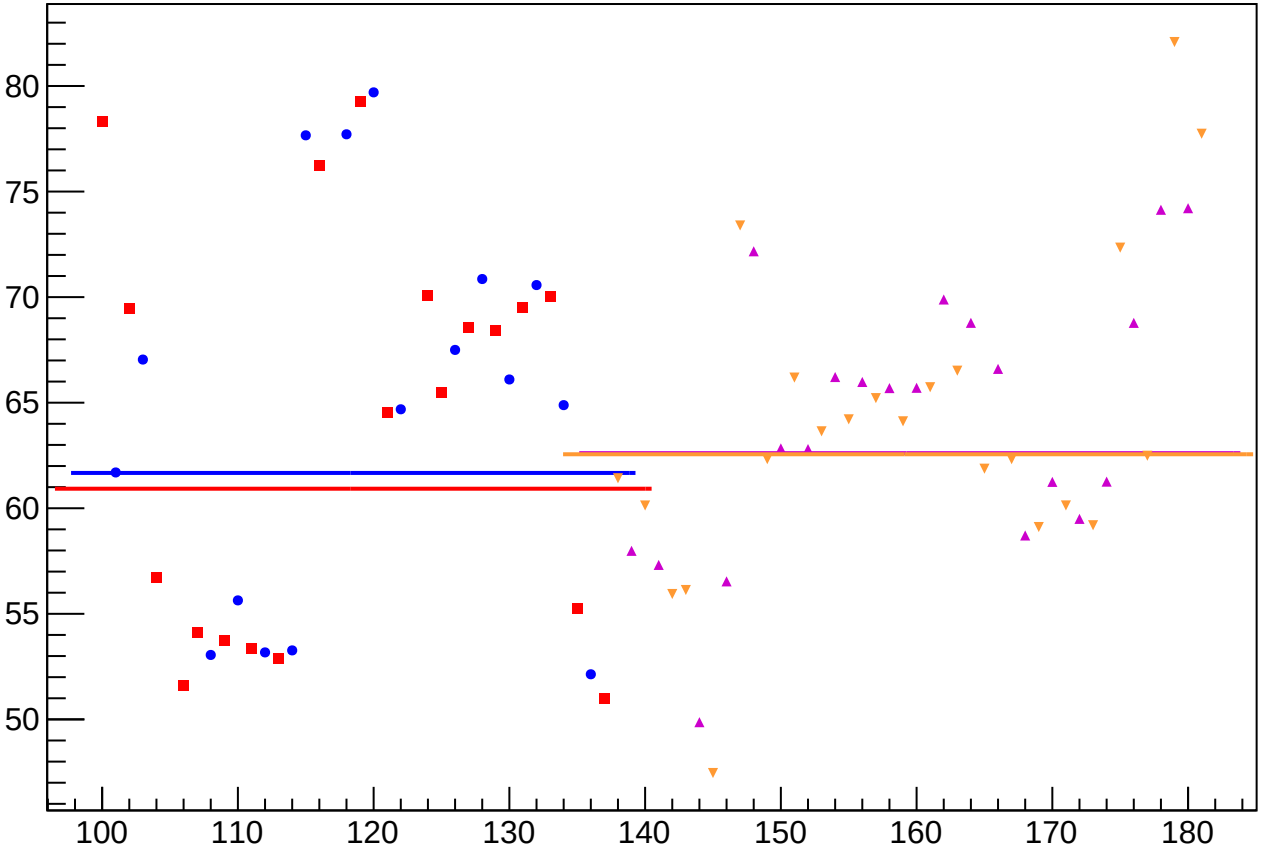
Left In: -6.808+/-15.185 χ^2/NDF:17.4/20

+ sign 8.720+/-12.431 χ^2/NDF: 59.1/38

All: 5.078+/-8.850 χ^2/NDF: 86.7/78

- sign 1.335+/-12.602 χ^2/NDF: 27.5/39

eigen_cor_asym_sam_37_48_dd_rms vs Slug



Right In: 61.673+/-0.016 χ^2/NDF: 267108.3/15

Left Out: 62.557+/-0.010 χ^2/NDF:455822.7/22

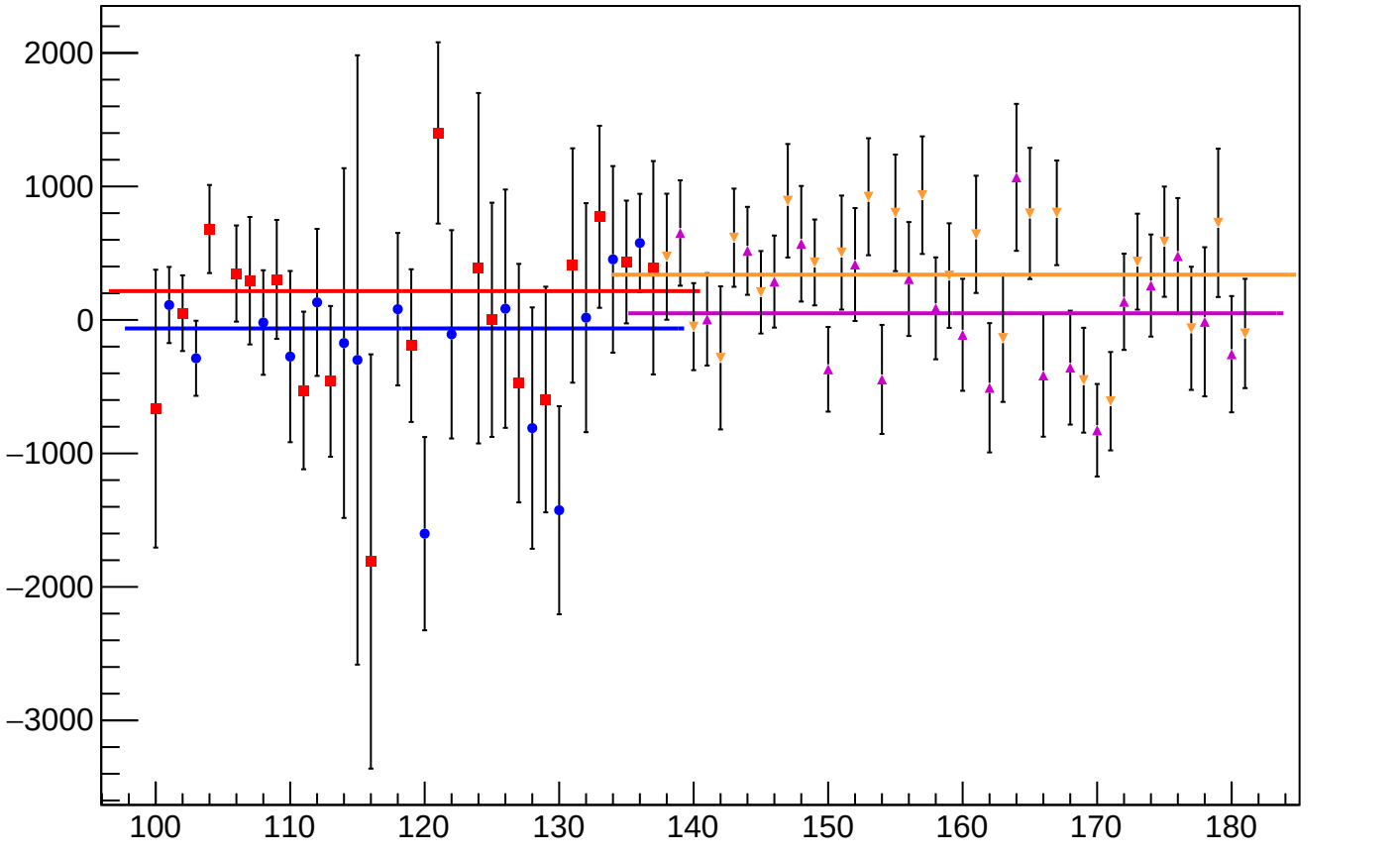
Right Out: 60.926+/-0.016 χ^2/NDF: 287579.6/18

Left In: 62.610+/-0.011 χ^2/NDF:346949.0/20

+ sign 62.303+/-0.009 χ^2/NDF: 725004.7/38

All: 62.196+/-0.006 χ^2/NDF: 1367496.6/78

- sign 62.086+/-0.009 χ^2/NDF: 642191.8/39



Right In: -63.820+/-129.675 χ^2/NDF: 13.2/15

Left Out: 339.352+/-84.634 χ^2/NDF:27.5/22

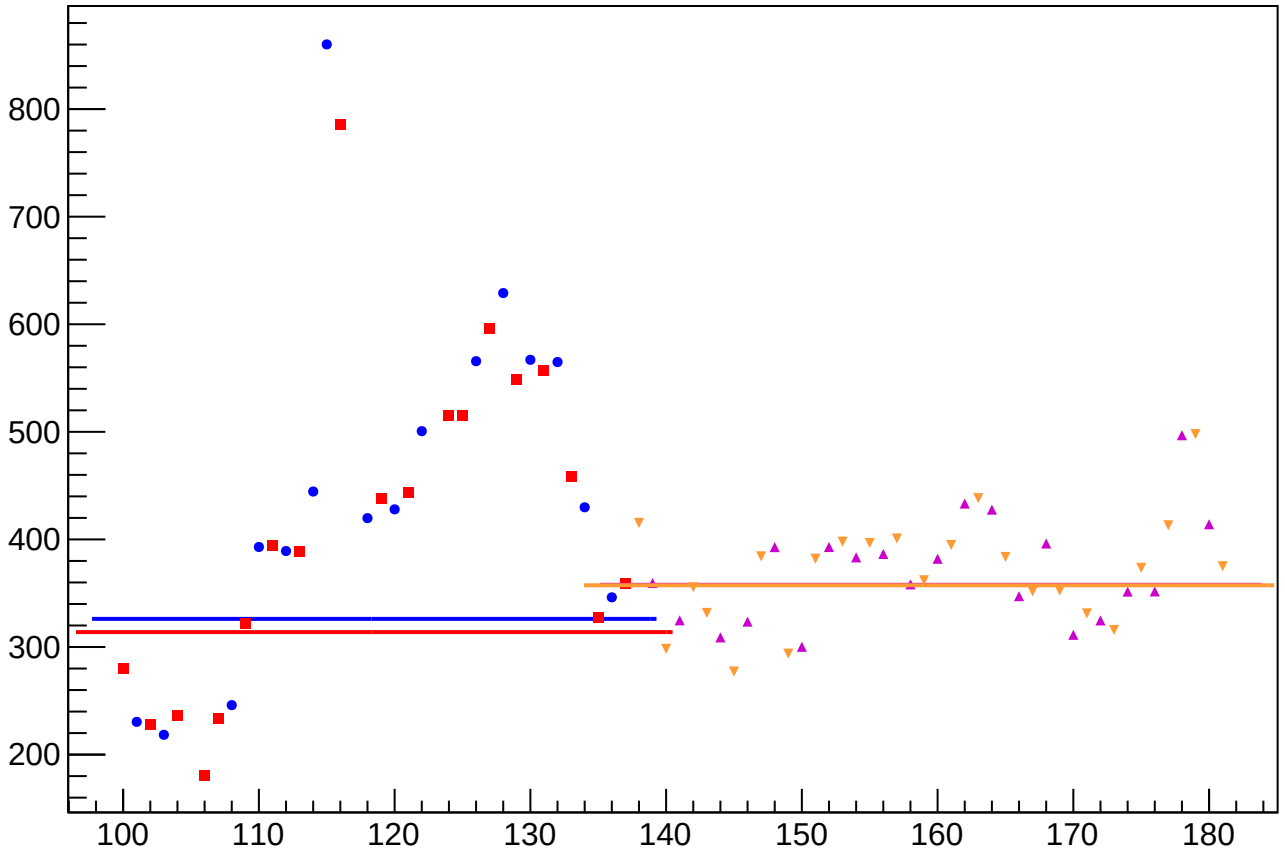
Right Out: 215.911+/-123.491 χ^2/NDF: 14.1/18

Left In: 49.708+/-87.133 χ^2/NDF:25.7/20

+ sign 218.916+/-70.875 χ^2/NDF: 47.5/38

All: 162.190+/-50.229 χ^2/NDF: 89.7/78

- sign 104.950+/-71.195 χ^2/NDF: 41.0/39



Right In: 326.150+/-0.092 χ^2/NDF: 1733934.7/15

Left Out: 357.383+/-0.060 χ^2/NDF:665171.5/22

Right Out: 313.861+/-0.087 χ^2/NDF: 1805779.4/18

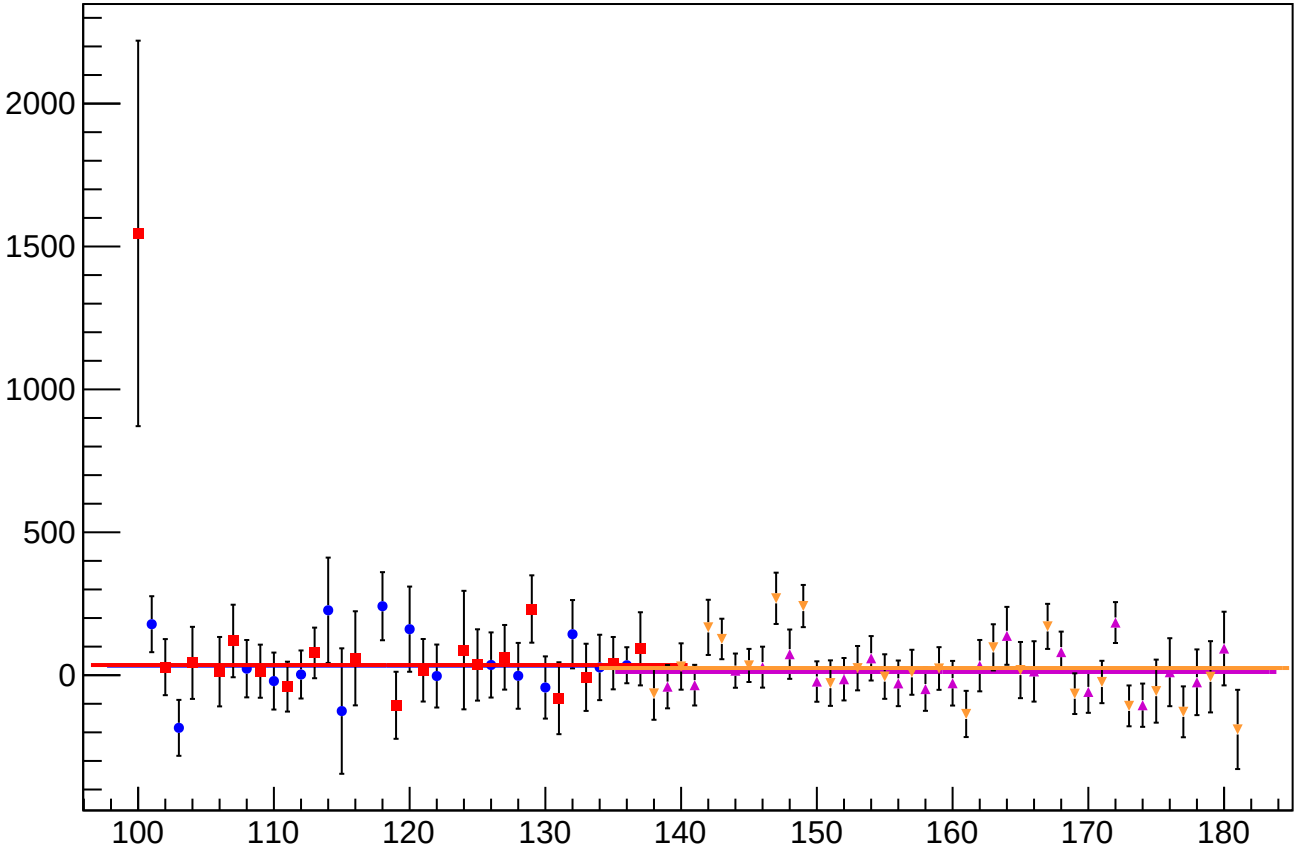
Left In: 357.804+/-0.062 χ^2/NDF:507591.4/20

+ sign 348.053+/-0.050 χ^2/NDF: 2480470.5/38

All: 345.637+/-0.036 χ^2/NDF: 4967586.8/78

- sign 343.199+/-0.050 χ^2/NDF: 2482445.8/39

dit_asym_sam_37_48_dd_mean vs Slug



Right In: 33.399+/-26.415 χ^2/NDF: 14.5/15

Left Out: 25.102+/-16.946 χ^2/NDF:41.4/22

Right Out: 35.576+/-26.536 χ^2/NDF: 12.1/18

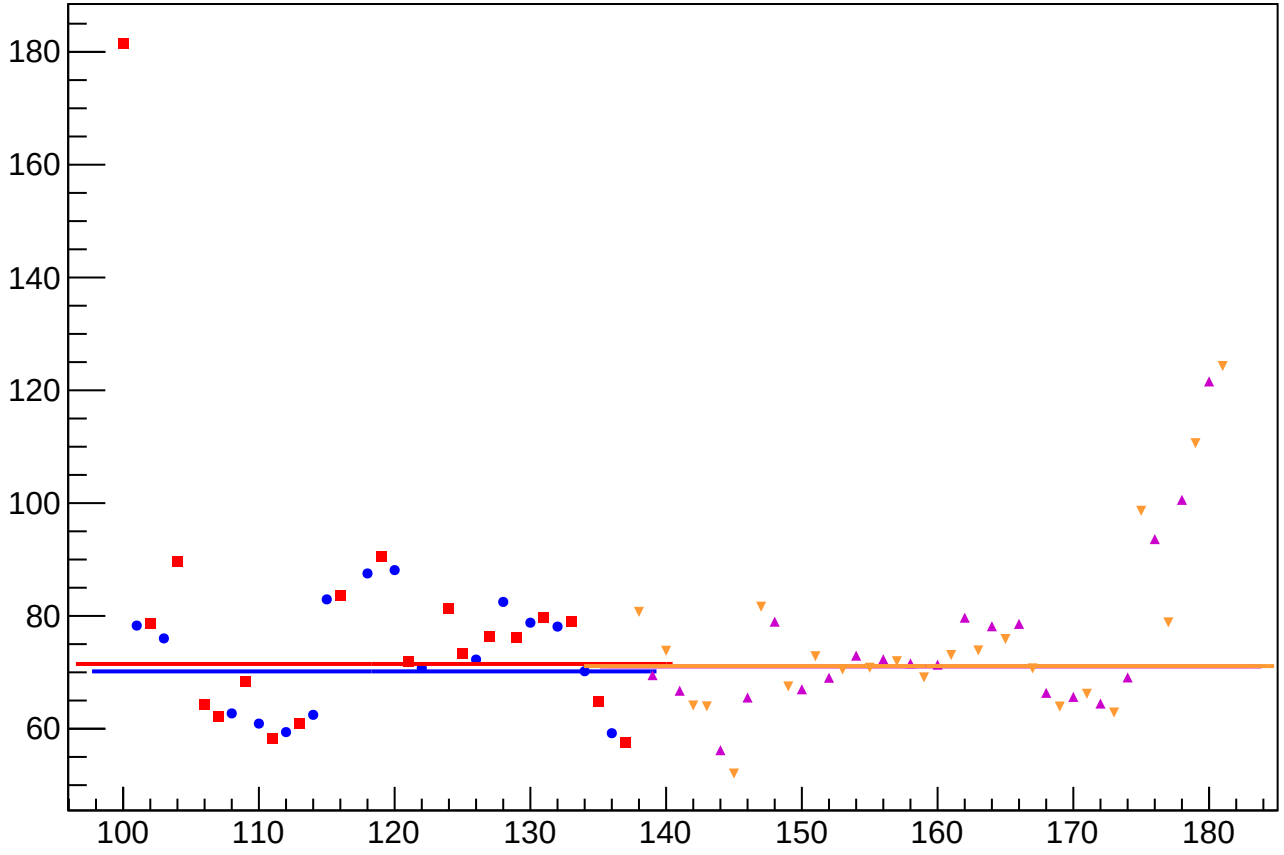
Left In: 11.247+/-17.439 χ^2/NDF:15.5/20

+ sign 27.521+/-14.263 χ^2/NDF: 56.0/38

All: 23.149+/-10.194 χ^2/NDF: 84.4/78

- sign 18.585+/-14.574 χ^2/NDF: 28.2/39

dit_asym_sam_37_48_dd_rms vs Slug



Right In: 70.167+/-0.019 χ^2/NDF: 269249.9/15

Left Out: 71.110+/-0.012 χ^2/NDF:1005747.7/22

Right Out: 71.483+/-0.019 χ^2/NDF: 325715.0/18

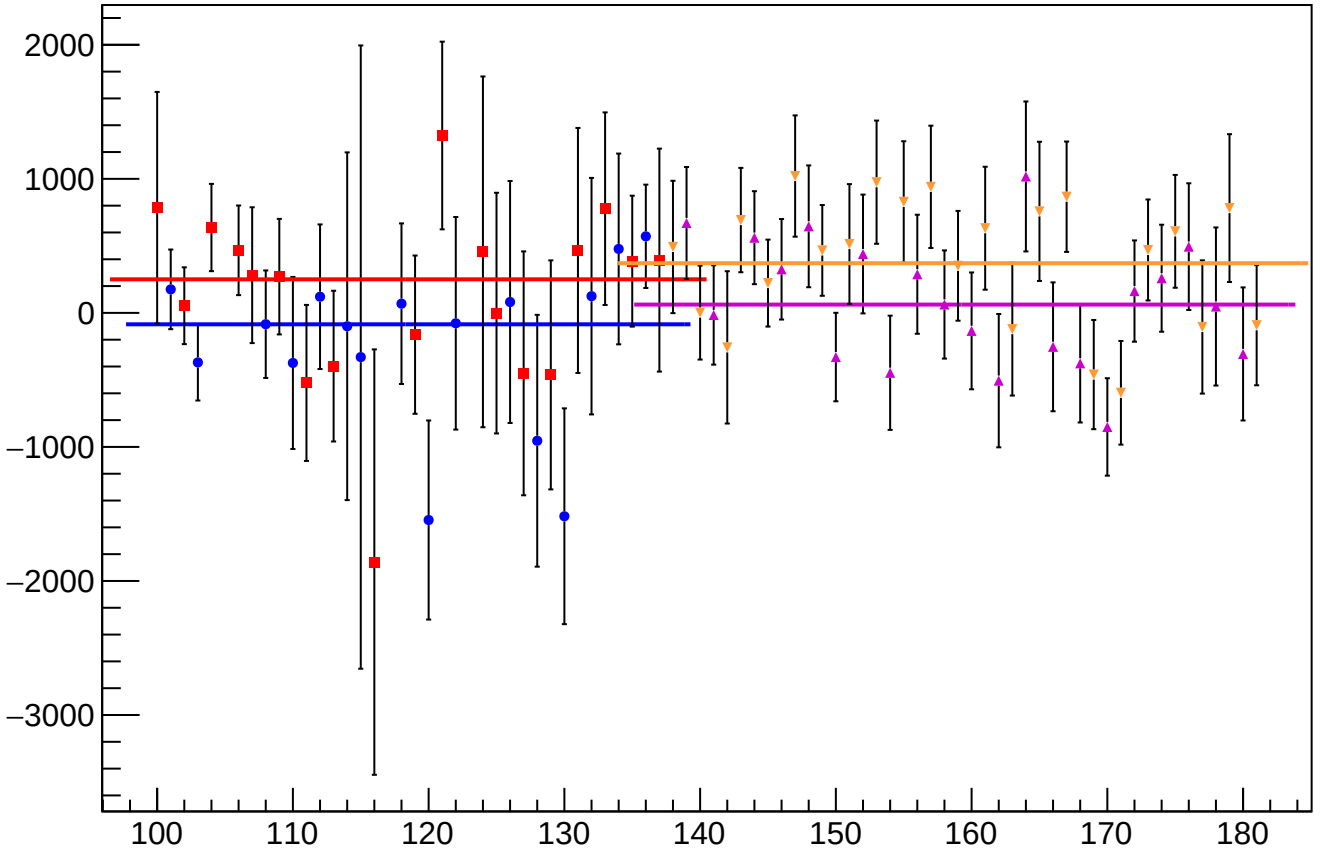
Left In: 71.044+/-0.012 χ^2/NDF:757526.1/20

+ sign 70.835+/-0.010 χ^2/NDF: 1276801.9/38

All: 71.002+/-0.007 χ^2/NDF: 2360985.6/78

- sign 71.176+/-0.010 χ^2/NDF: 1083624.1/39

asym_sam_37_48_dd_dit_correction_mean vs Slug



Right In: -85.184+/-132.877 χ^2/NDF: 13.7/15

Left Out: 370.697+/-88.873 χ^2/NDF:26.5/22

Right Out: 250.440+/-123.302 χ^2/NDF: 12.5/18

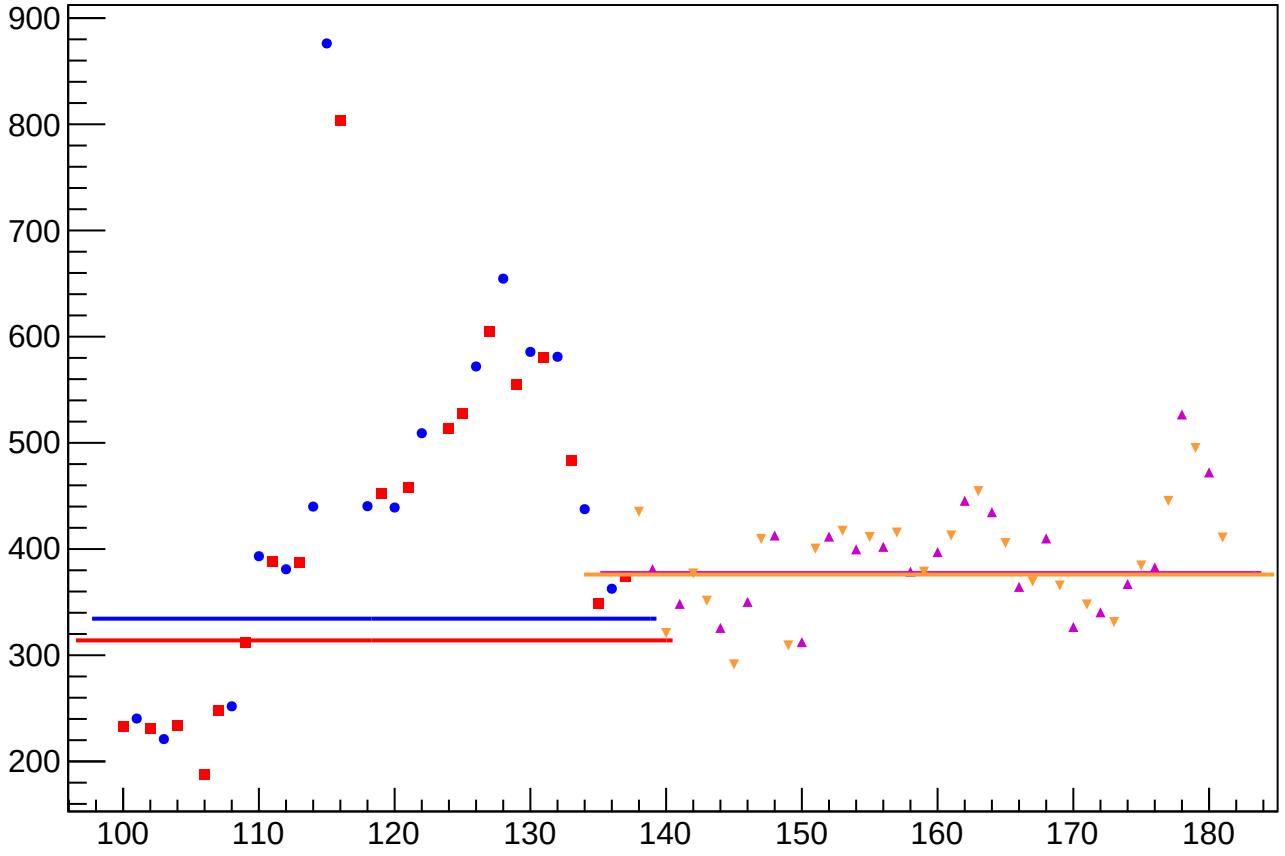
Left In: 61.949+/-91.868 χ^2/NDF:24.0/20

\+ sign 229.794+/-73.873 χ^2/NDF: 48.3/38

All: 179.374+/-52.163 χ^2/NDF: 87.3/78

\- sign 129.233+/-73.668 χ^2/NDF: 38.0/39

asym_sam_37_48_dd_dit_correction_rms vs Slug



Right In: 334.431+/-0.094 χ^2/NDF: 1730610.2/15

Left Out: 375.994+/-0.063 χ^2/NDF:615783.1/22

Right Out: 313.971+/-0.087 χ^2/NDF: 1904605.9/18

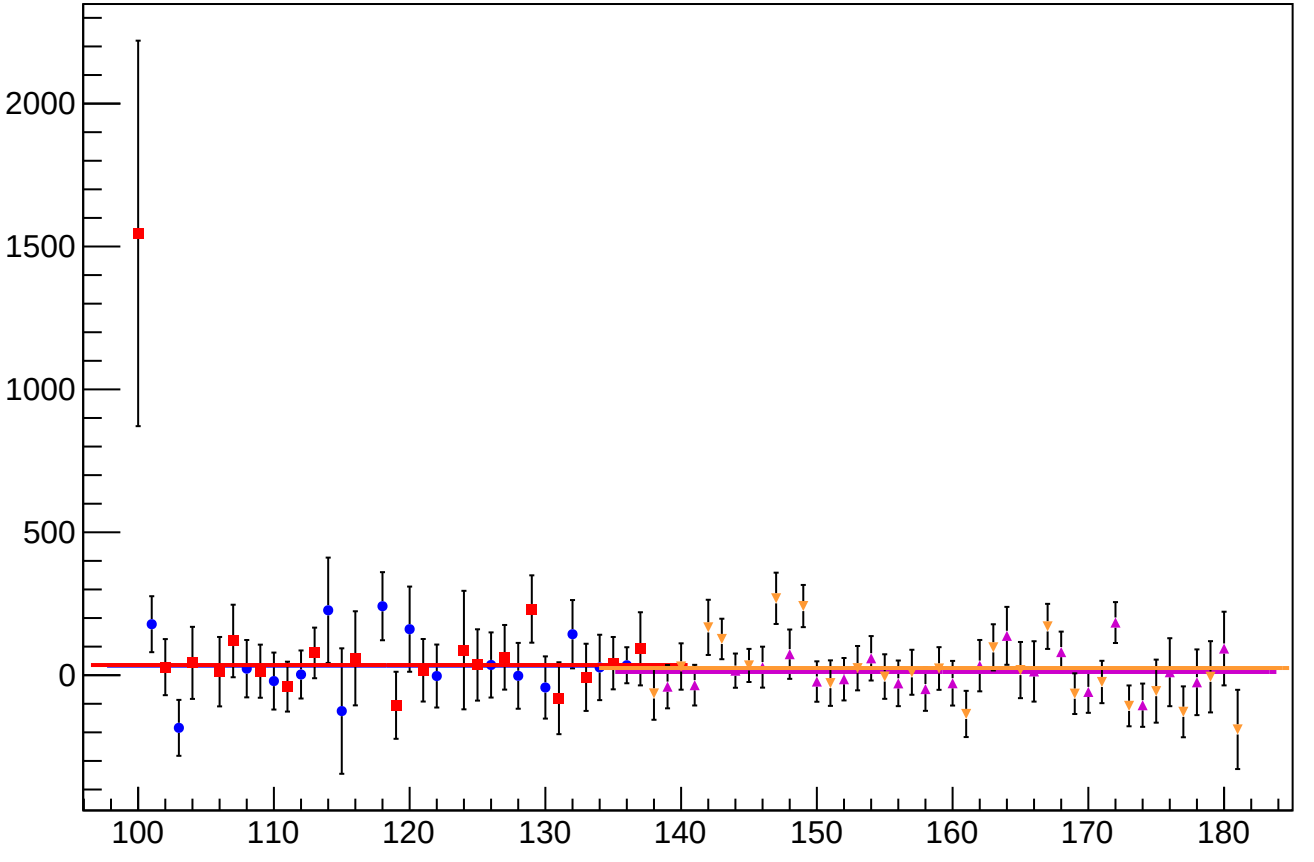
Left In: 377.369+/-0.065 χ^2/NDF:516537.7/20

+ sign 363.147+/-0.052 χ^2/NDF: 2481590.0/38

All: 358.931+/-0.037 χ^2/NDF: 5255729.5/78

- sign 354.738+/-0.052 χ^2/NDF: 2761146.3/39

eigen_dit_asym_sam_37_48_dd_mean vs Slug



Right In: 33.397+/-26.415 χ^2/NDF: 14.5/15

Left Out: 25.101+/-16.946 χ^2/NDF:41.4/22

Right Out: 35.577+/-26.536 χ^2/NDF: 12.1/18

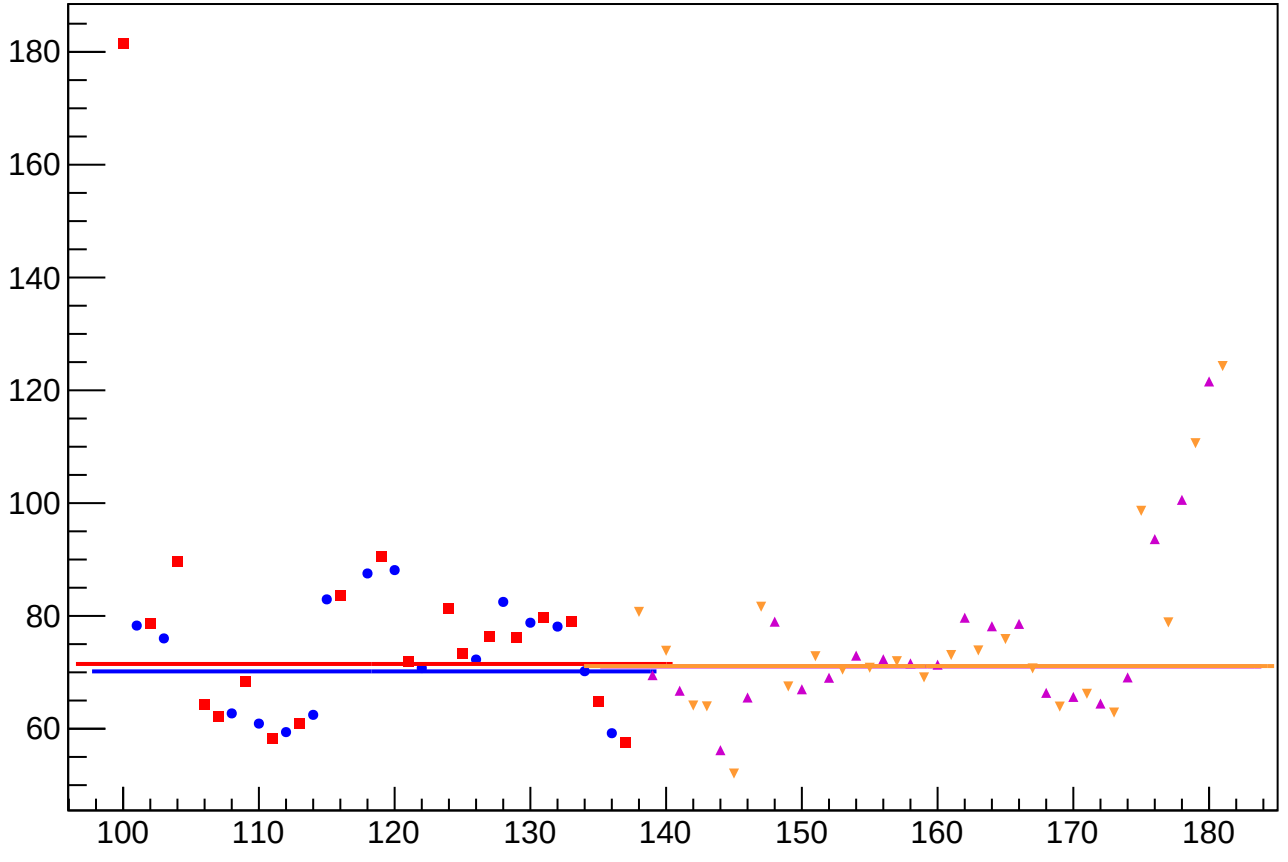
Left In: 11.247+/-17.439 χ^2/NDF:15.5/20

+ sign 27.520+/-14.263 χ^2/NDF: 56.0/38

All: 23.149+/-10.194 χ^2/NDF: 84.4/78

- sign 18.585+/-14.574 χ^2/NDF: 28.2/39

eigen_dit_asym_sam_37_48_dd_rms vs Slug



Right In: 70.167+/-0.019 χ^2/NDF: 269253.0/15

Left Out: 71.110+/-0.012 χ^2/NDF:1005754.1/22

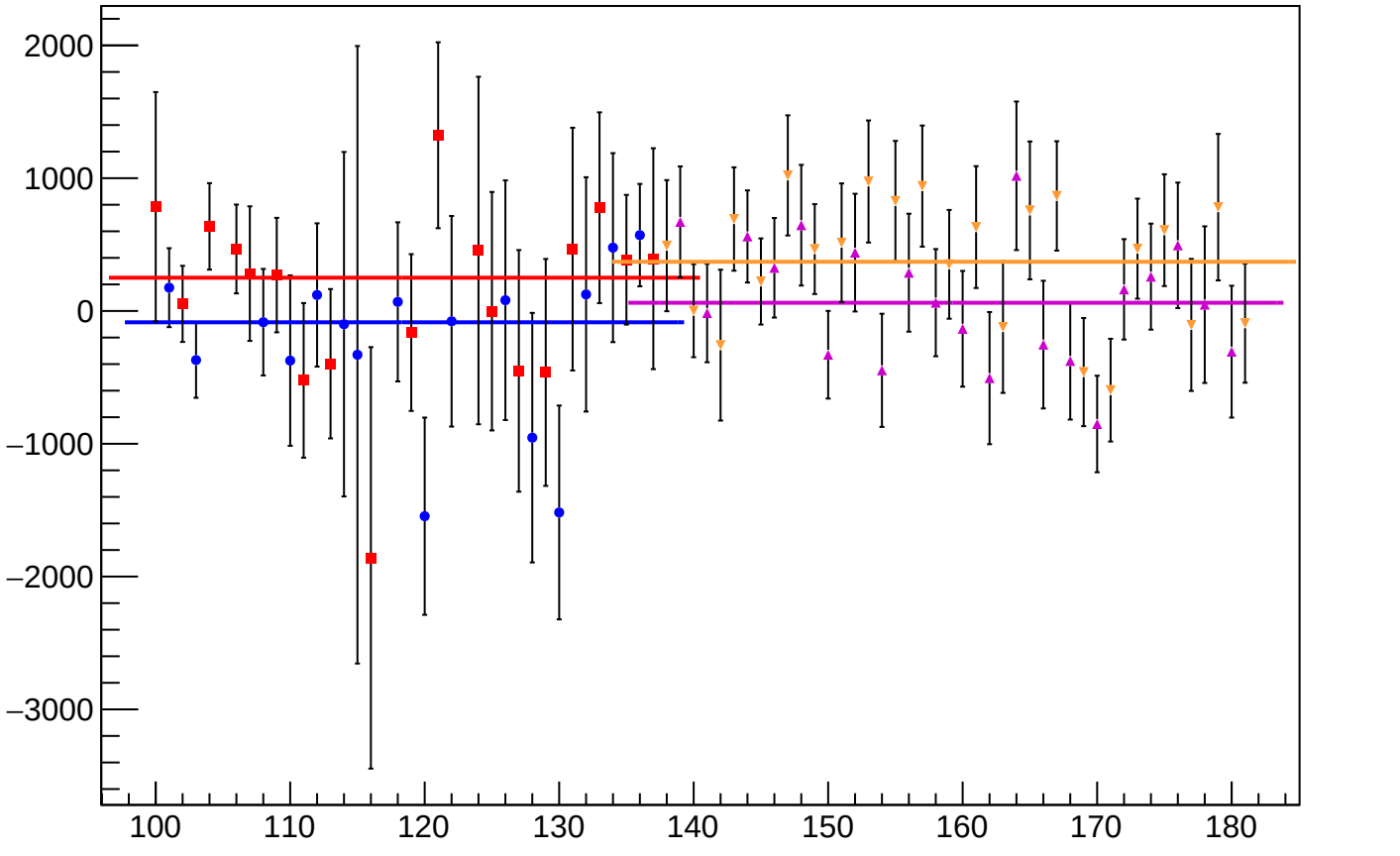
Right Out: 71.483+/-0.019 χ^2/NDF: 325721.5/18

Left In: 71.044+/-0.012 χ^2/NDF:757513.9/20

+ sign 70.835+/-0.010 χ^2/NDF: 1276810.8/38

All: 71.002+/-0.007 χ^2/NDF: 2360989.1/78

- sign 71.176+/-0.010 χ^2/NDF: 1083618.7/39



Right In: -85.185+/-132.877 χ^2/NDF: 13.7/15

Left Out: 370.696+/-88.873 χ^2/NDF:26.5/22

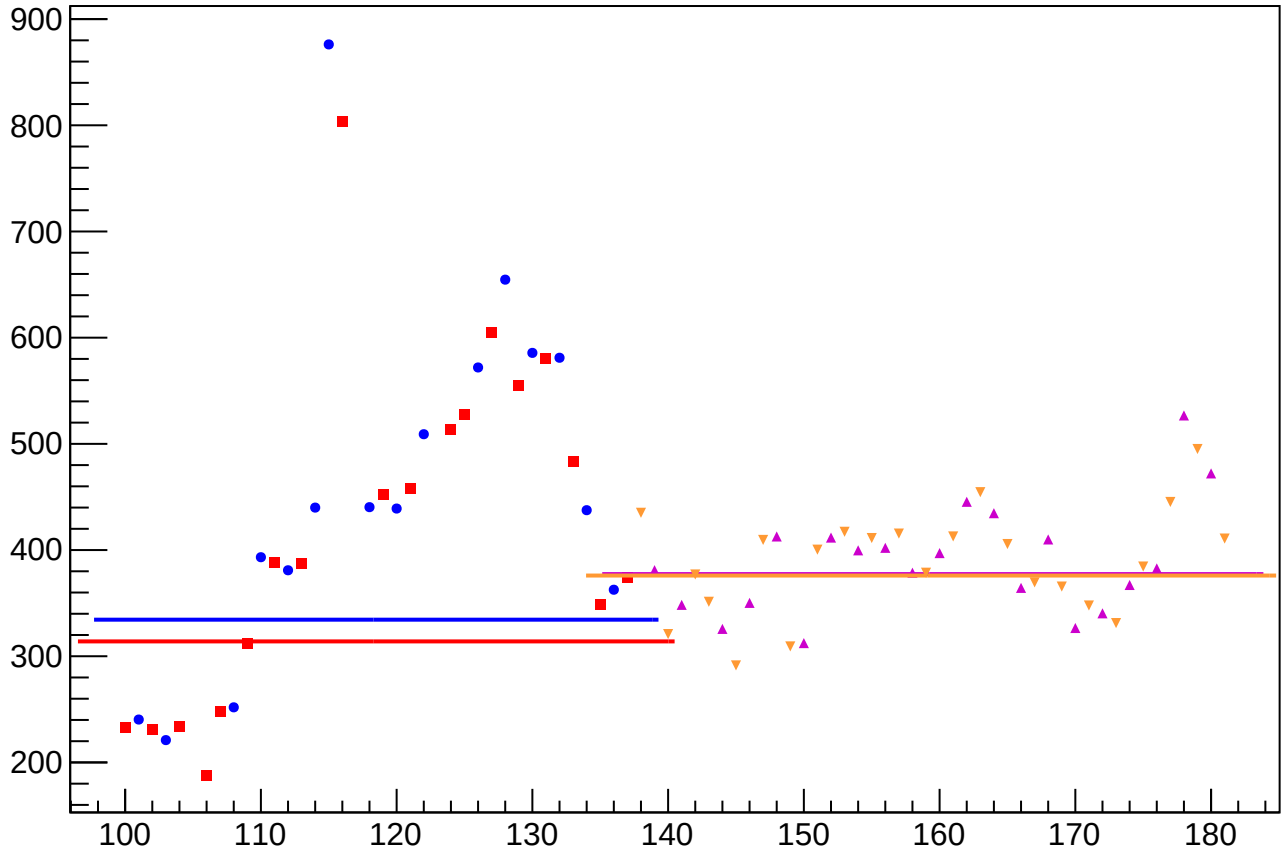
Right Out: 250.440+/-123.302 χ^2/NDF: 12.5/18

Left In: 61.948+/-91.868 χ^2/NDF:24.0/20

+ sign 229.793+/-73.873 χ^2/NDF: 48.3/38

All: 179.374+/-52.163 χ^2/NDF: 87.3/78

- sign 129.233+/-73.668 χ^2/NDF: 38.0/39



Right In: 334.431+/-0.094 χ^2/NDF: 1730609.3/15

Left Out: 375.993+/-0.063 χ^2/NDF:615782.9/22

Right Out: 313.971+/-0.087 χ^2/NDF: 1904604.3/18

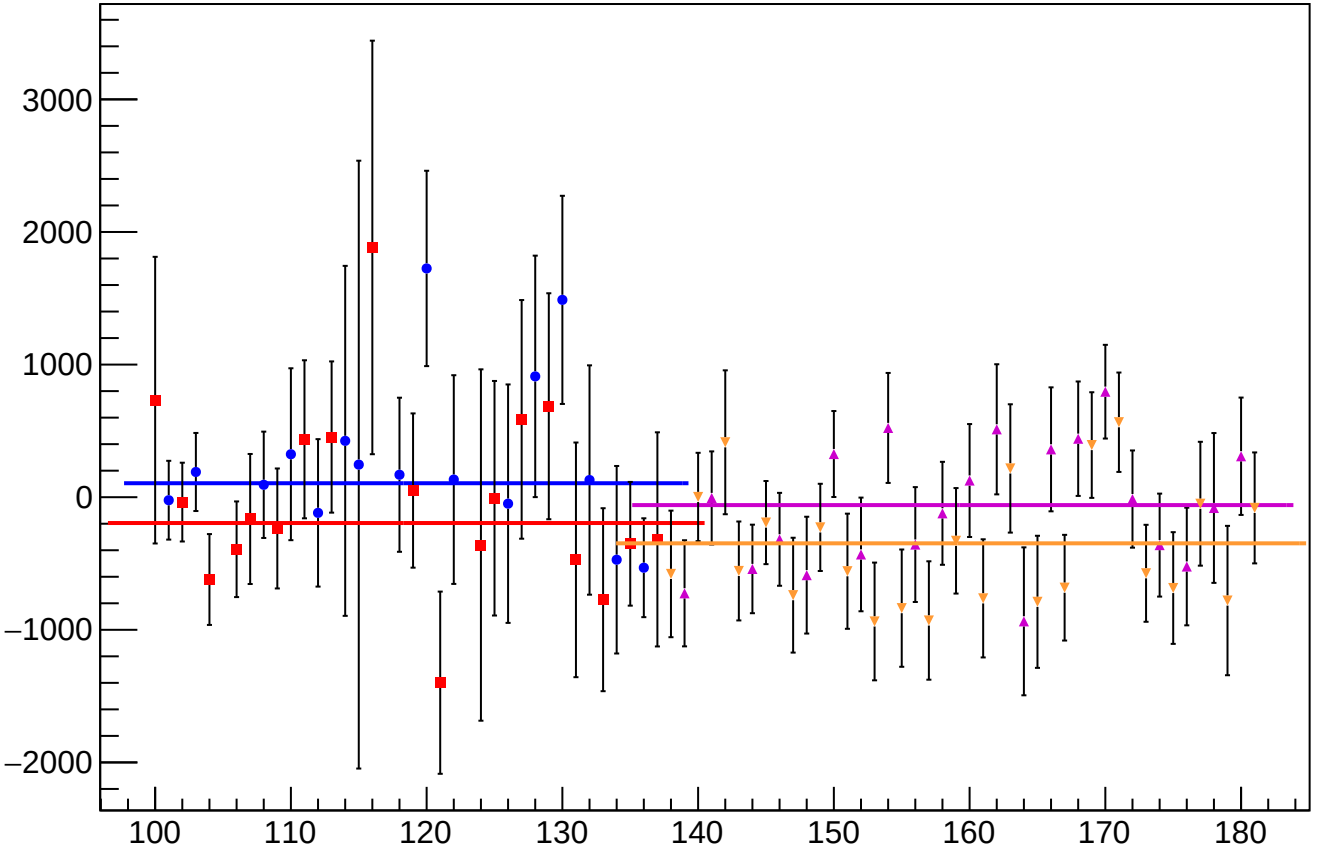
Left In: 377.369+/-0.065 χ^2/NDF:516532.9/20

+ sign 363.147+/-0.052 χ^2/NDF: 2481585.4/38

All: 358.931+/-0.037 χ^2/NDF: 5255715.6/78

- sign 354.738+/-0.052 χ^2/NDF: 2761137.1/39

asym_sam_37_48_dd_mean vs Slug



Right In: 105.390+/-133.046 χ^2/NDF: 13.0/15

Left Out: -347.827+/-85.995 χ^2/NDF:25.3/22

Right Out: -194.712+/-126.198 χ^2/NDF: 13.1/18

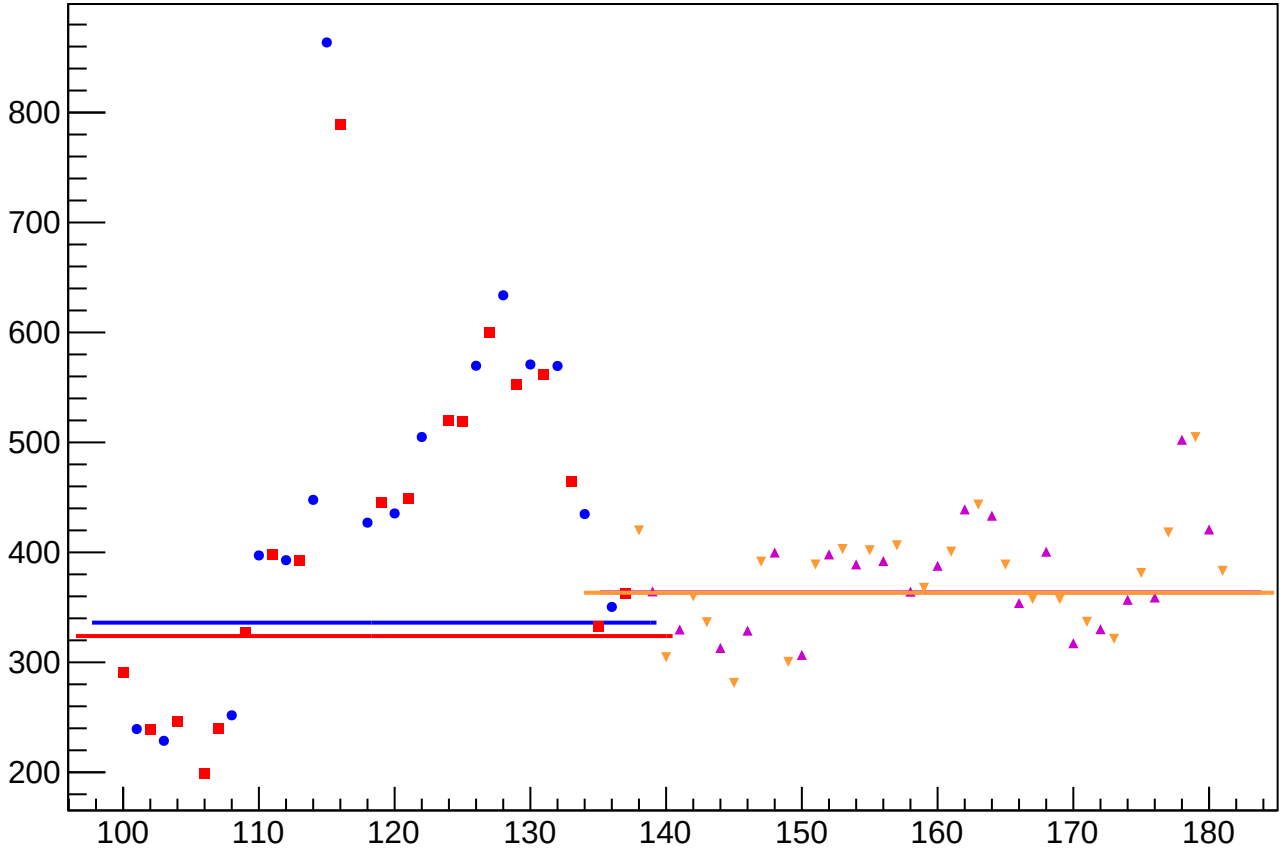
Left In: -59.508+/-88.520 χ^2/NDF:25.9/20

+ sign -214.277+/-72.222 χ^2/NDF: 46.4/38

All: -159.373+/-51.156 χ^2/NDF: 87.4/78

- sign -104.093+/-72.470 χ^2/NDF: 39.8/39

asym_sam_37_48_dd_rms vs Slug



Right In: 336.092+/-0.094 χ^2/NDF: 1618997.2/15

Left Out: 363.288+/-0.061 χ^2/NDF:649885.0/22

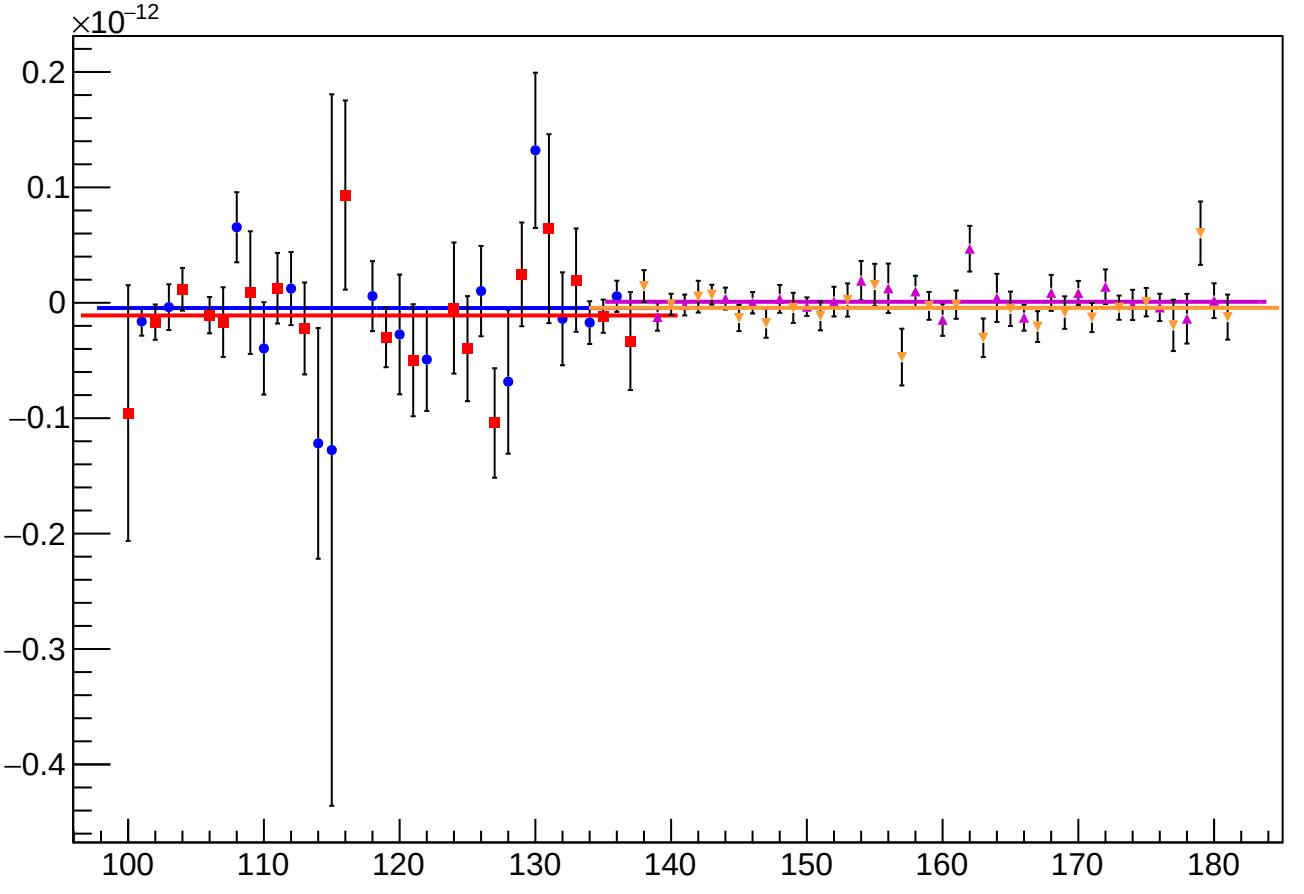
Right Out: 323.885+/-0.089 χ^2/NDF: 1665420.8/18

Left In: 363.619+/-0.063 χ^2/NDF:494909.9/20

+ sign 355.274+/-0.051 χ^2/NDF: 2327823.4/38

All: 352.903+/-0.036 χ^2/NDF: 4625358.5/78

- sign 350.516+/-0.051 χ^2/NDF: 2293209.9/39



Right In: -0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.5/22

Right Out: -0.000+/-0.000 χ^2/NDF: 12.4/18

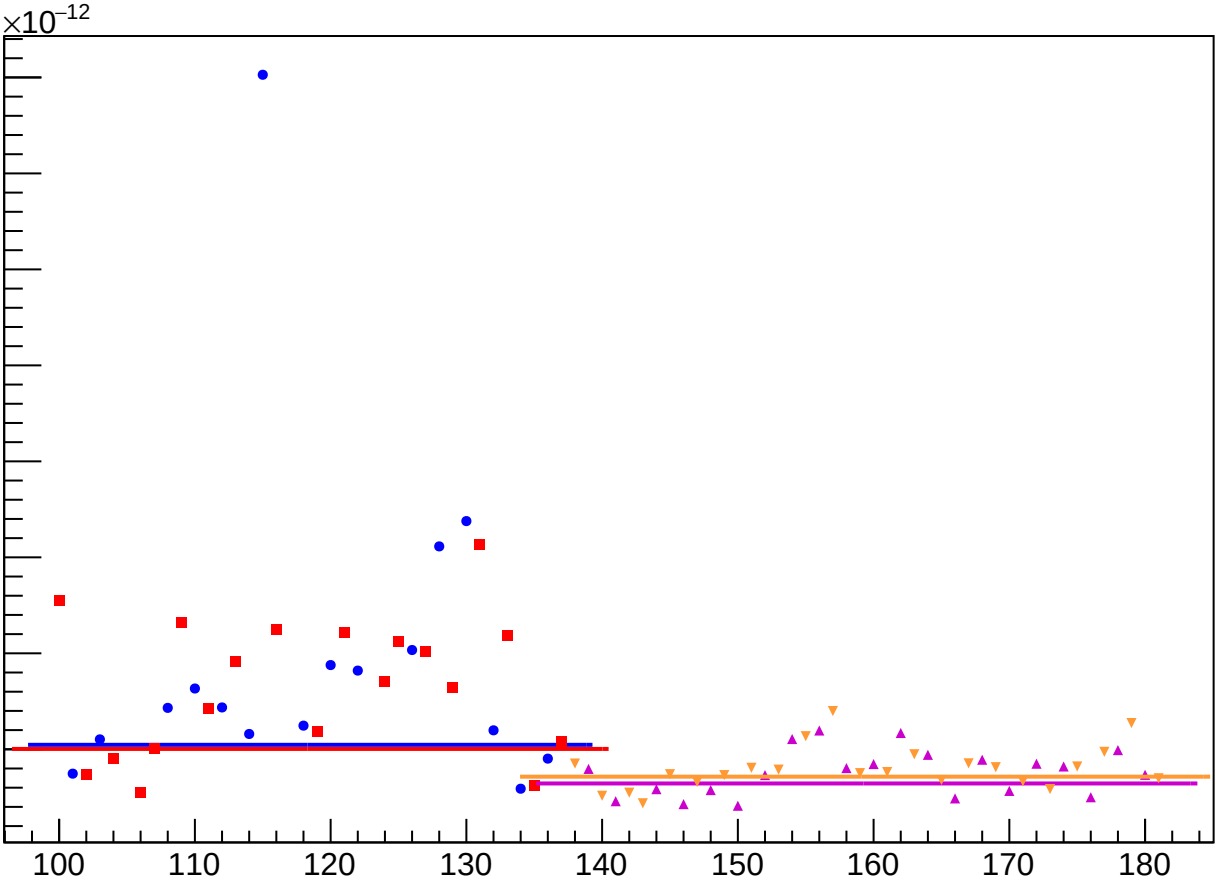
Left In: 0.000+/-0.000 χ^2/NDF:14.0/20

+ sign -0.000+/-0.000 χ^2/NDF: 38.0/38

All: -0.000+/-0.000 χ^2/NDF: 68.3/78

- sign -0.000+/-0.000 χ^2/NDF: 29.3/39

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:866259.5/22

Right Out: 0.000+/-0.000 χ^2/NDF: 1415778.7/18

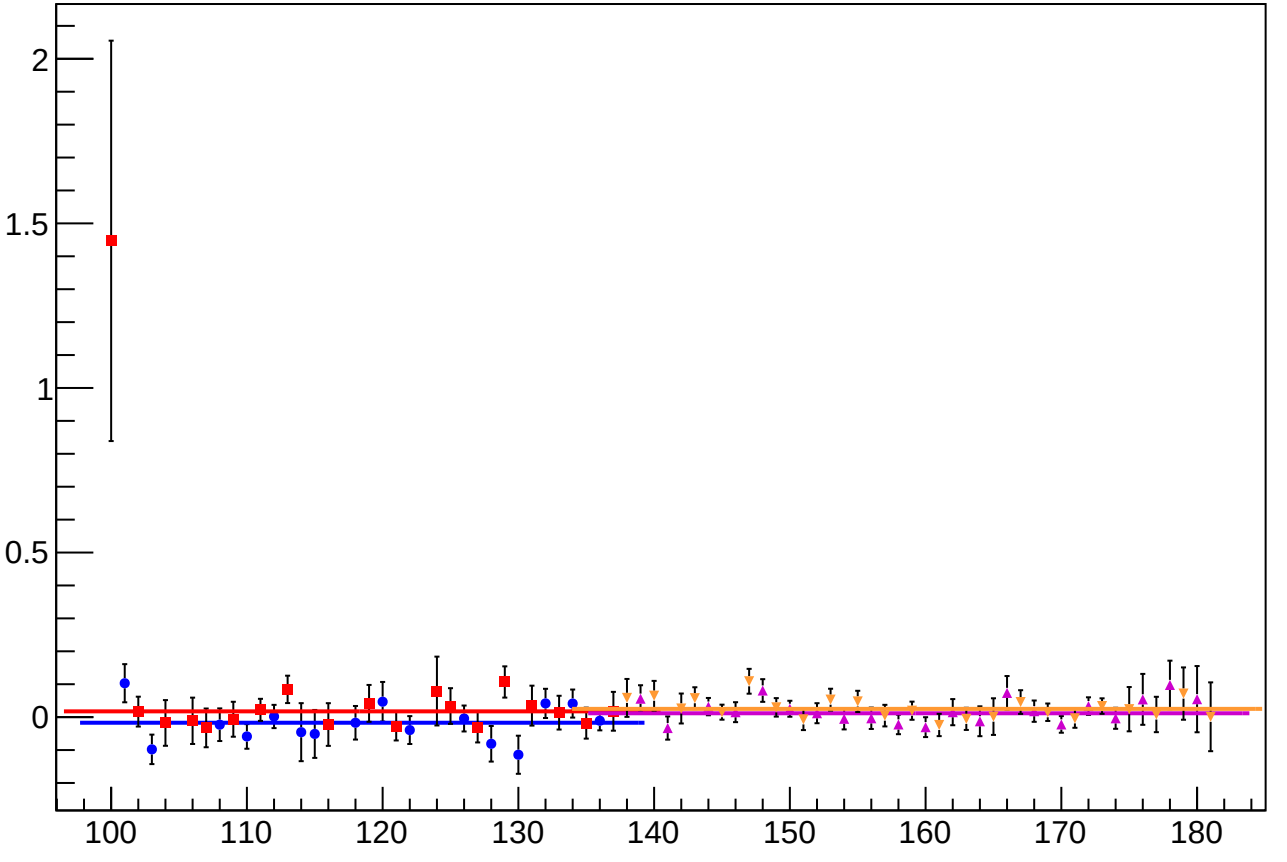
Left In: 0.000+/-0.000 χ^2/NDF:1211375.0/20

+ sign 0.000+/-0.000 χ^2/NDF: 2498498.1/38

All: 0.000+/-0.000 χ^2/NDF: 5732633.2/78

- sign 0.000+/-0.000 χ^2/NDF: 3161602.3/39

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:15.0/22

Right Out: 0.018+/-0.012 χ^2/NDF: 16.8/18

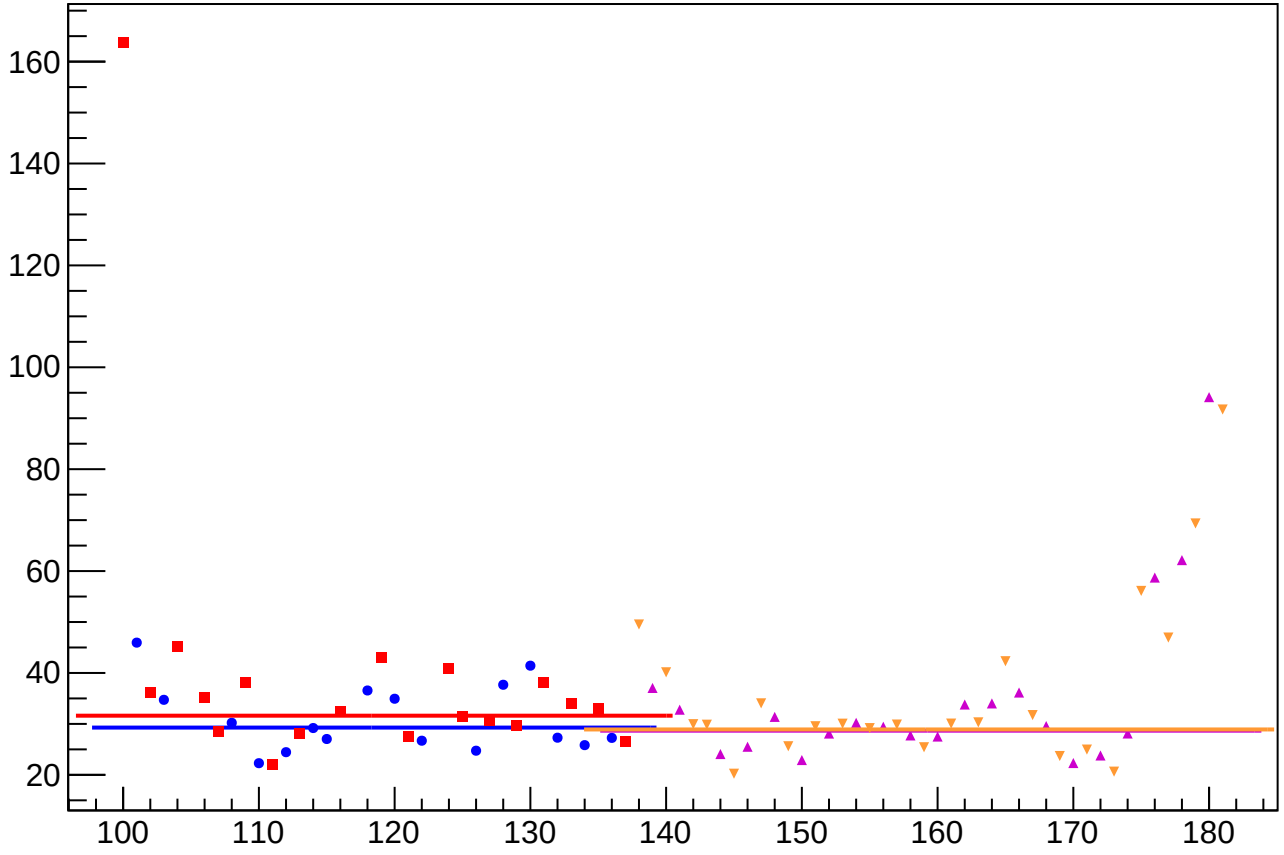
Left In: 0.012+/-0.007 χ^2/NDF:17.8/20

+ sign 0.013+/-0.006 χ^2/NDF: 43.7/38

All: 0.013+/-0.004 χ^2/NDF: 78.5/78

- sign 0.013+/-0.006 χ^2/NDF: 34.8/39

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: 28.910+/-0.005 χ^2/NDF:3062879.3/22

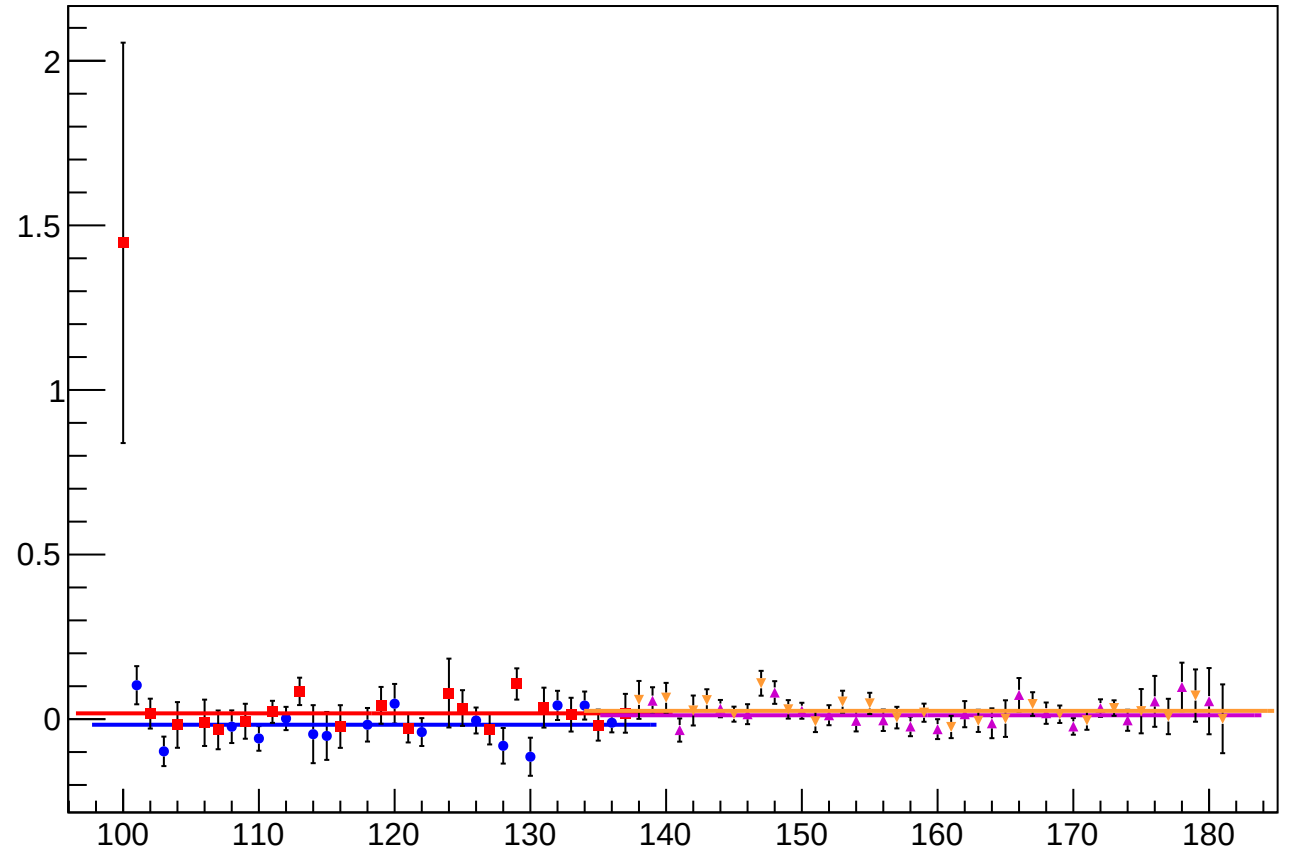
Right Out: 31.613+/-0.009 χ^2/NDF: 572190.6/18

Left In: 28.670+/-0.005 χ^2/NDF:2191478.7/20

+ sign 29.016+/-0.004 χ^2/NDF: 3625036.3/38

All: 29.232+/-0.003 χ^2/NDF: 6480396.2/78

- sign 29.462+/-0.004 χ^2/NDF: 2850146.4/39



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.025+/-0.007 χ^2/NDF:15.0/22

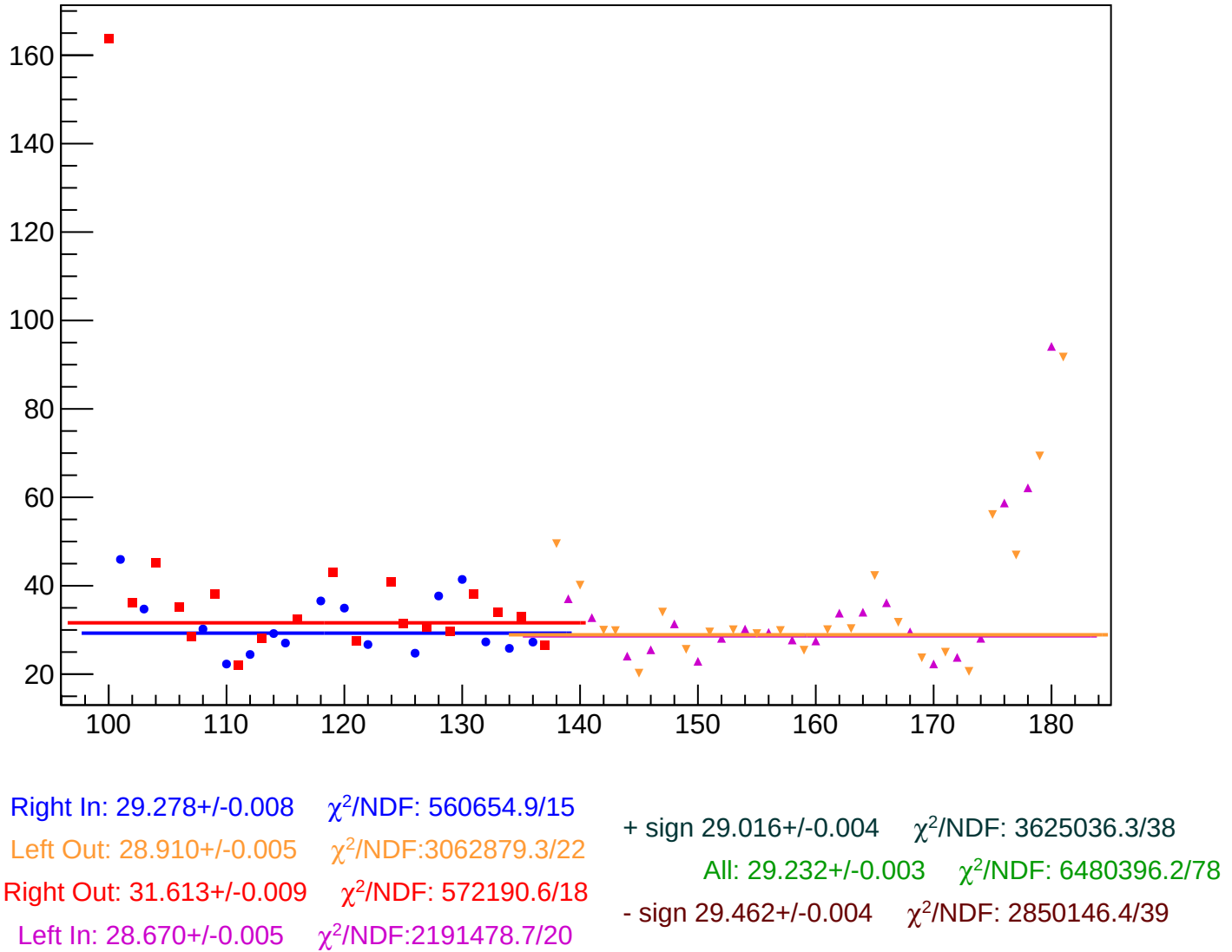
Right Out: 0.018+/-0.012 χ^2/NDF: 16.8/18

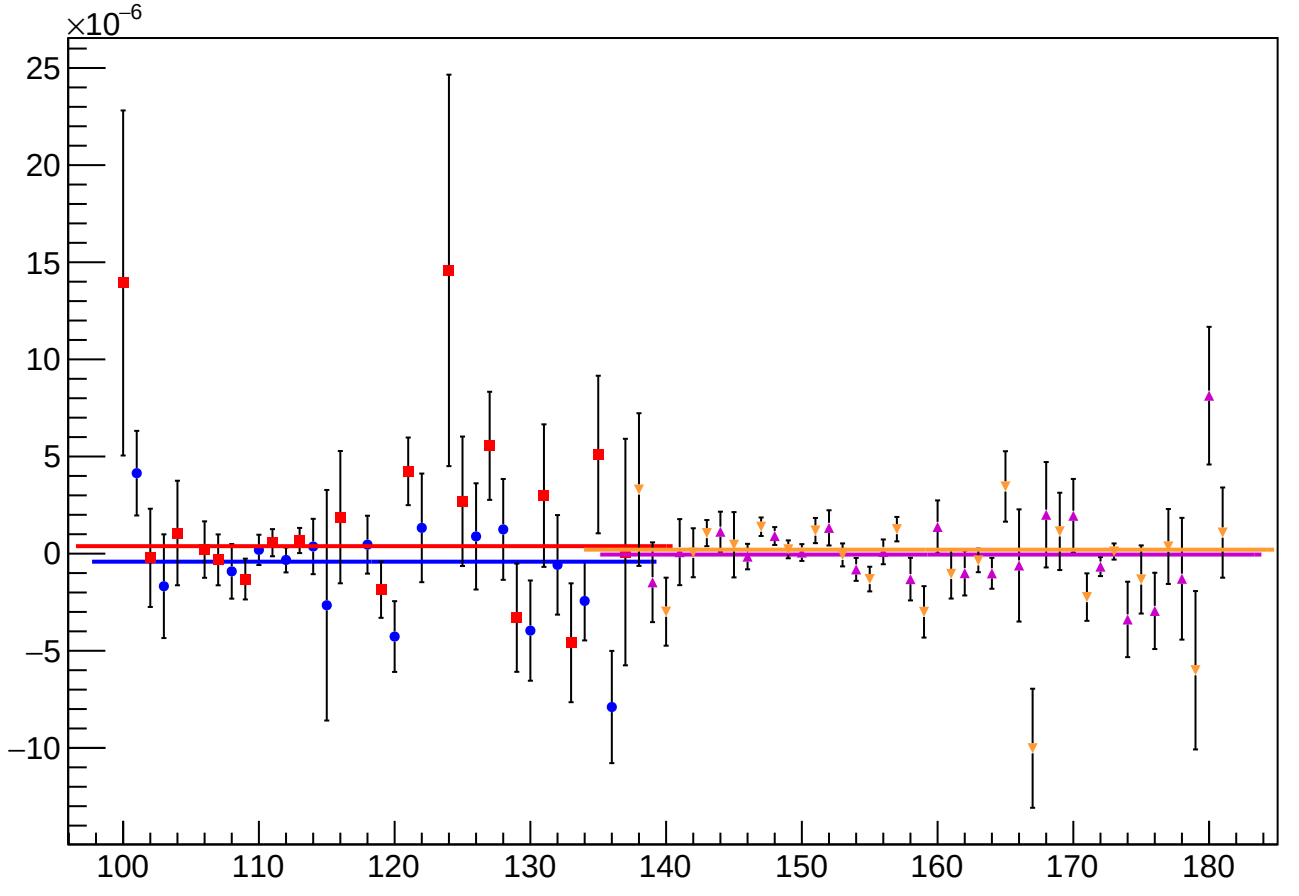
Left In: 0.012+/-0.007 χ^2/NDF:17.8/20

+ sign 0.013+/-0.006 χ^2/NDF: 43.7/38

All: 0.013+/-0.004 χ^2/NDF: 78.5/78

- sign 0.013+/-0.006 χ^2/NDF: 34.8/39


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: 28.910+/-0.005 χ²/NDF:3062879.3/22
Right Out: 31.613+/-0.009 χ²/NDF: 572190.6/18
Left In: 28.670+/-0.005 χ²/NDF:2191478.7/20
+ sign 29.016+/-0.004 χ²/NDF: 3625036.3/38
All: 29.232+/-0.003 χ²/NDF: 6480396.2/78
- sign 29.462+/-0.004 χ²/NDF: 2850146.4/39



Right In: -0.000+/-0.000 χ^2/NDF: 21.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:52.2/22

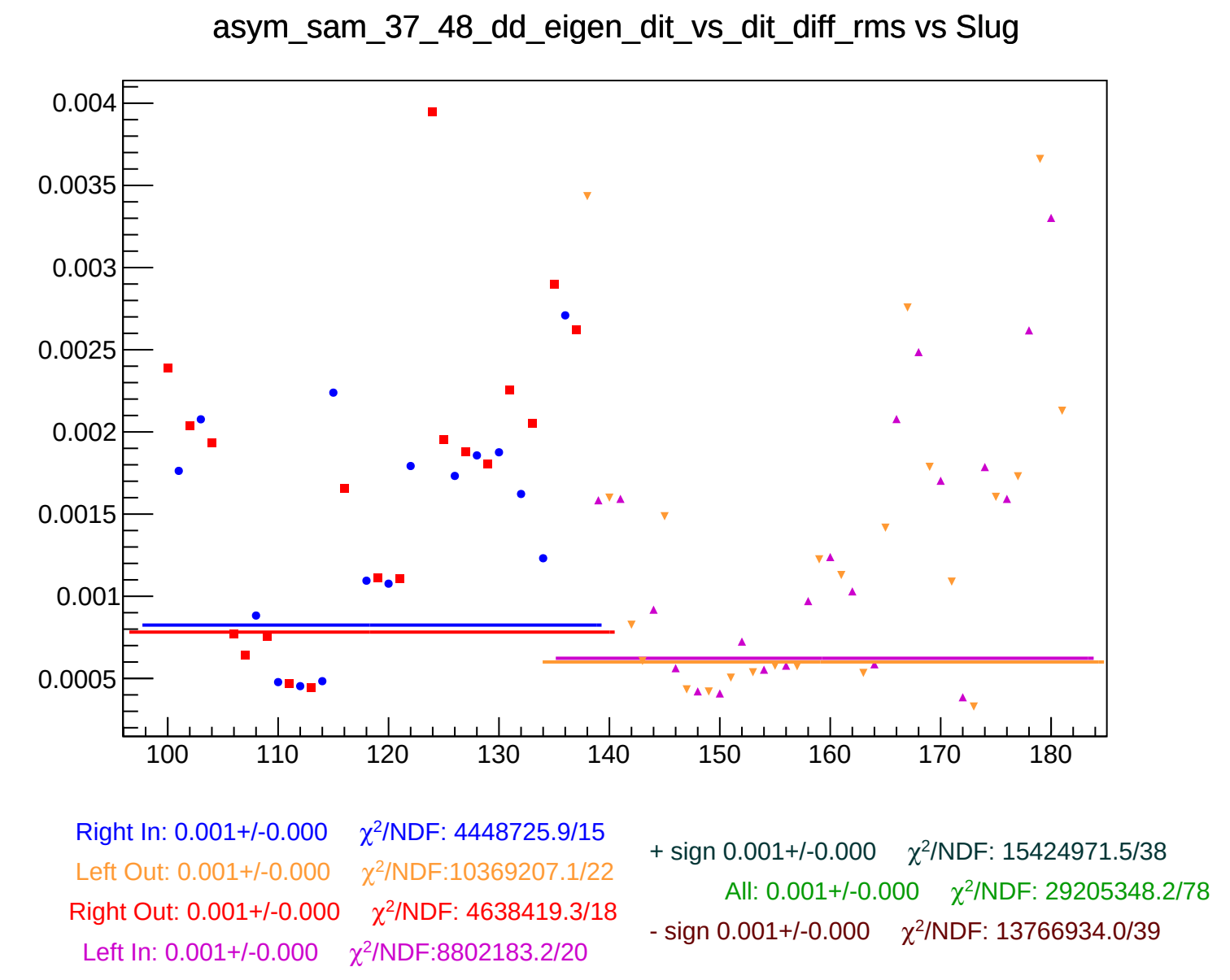
Right Out: 0.000+/-0.000 χ^2/NDF: 25.3/18

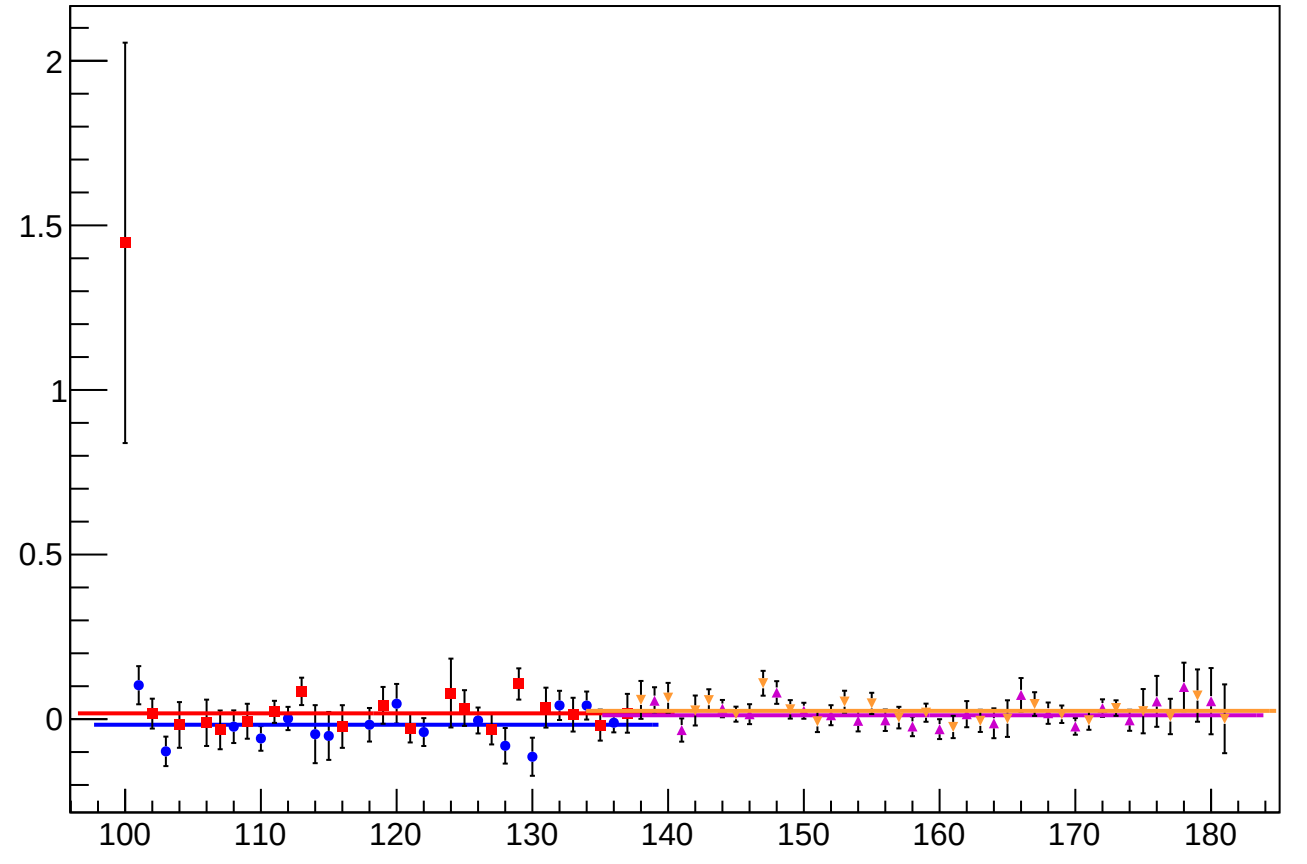
Left In: -0.000+/-0.000 χ^2/NDF:28.7/20

+ sign 0.000+/-0.000 χ^2/NDF: 75.8/38

All: 0.000+/-0.000 χ^2/NDF: 131.1/78

- sign 0.000+/-0.000 χ^2/NDF: 55.2/39


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:10369207.1/22
Right Out: 0.001+/-0.000 χ²/NDF: 4638419.3/18
Left In: 0.001+/-0.000 χ²/NDF:8802183.2/20
+ sign 0.001+/-0.000 χ²/NDF: 15424971.5/38
All: 0.001+/-0.000 χ²/NDF: 29205348.2/78
- sign 0.001+/-0.000 χ²/NDF: 13766934.0/39



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.025+/-0.007 χ^2/NDF:15.0/22

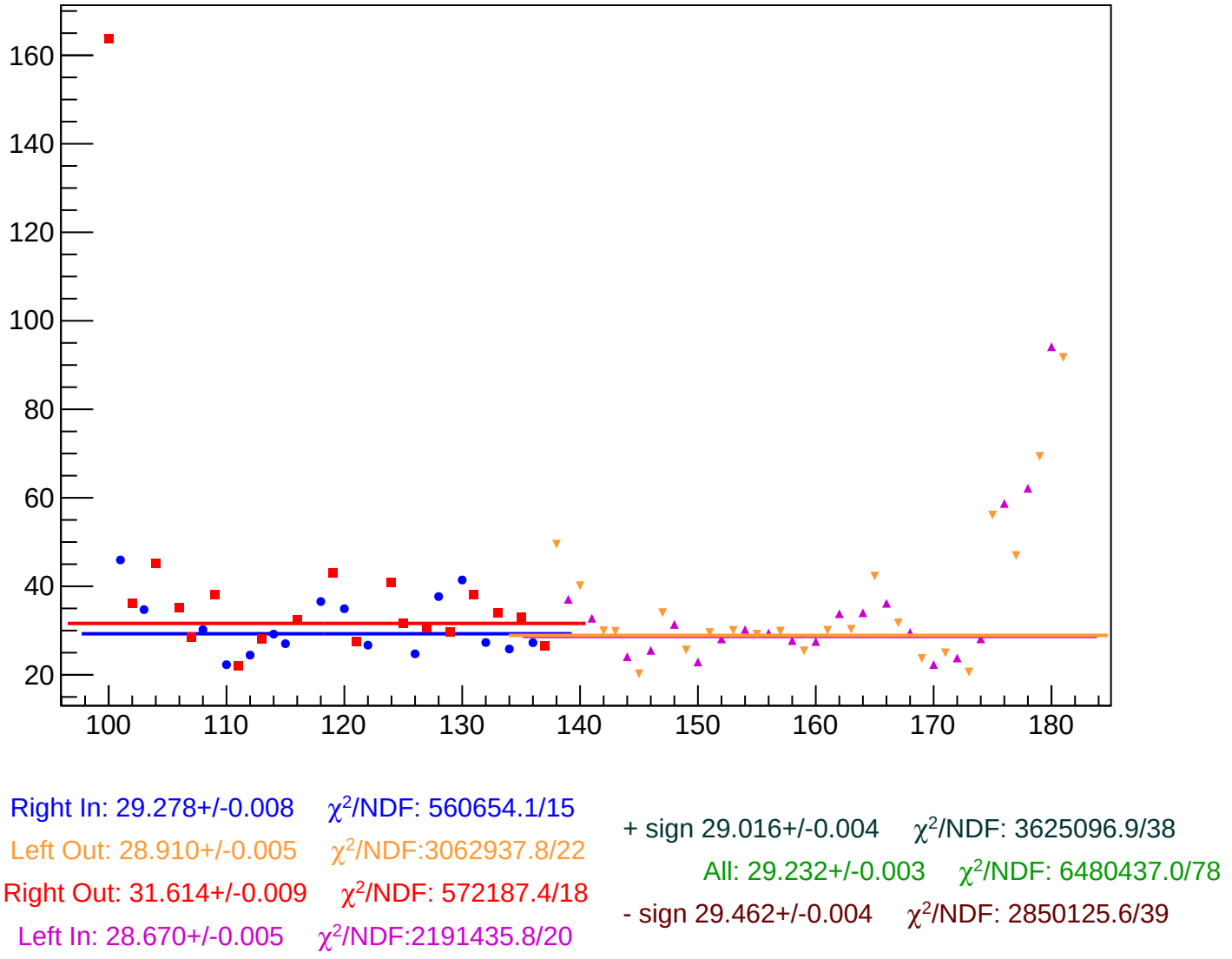
Right Out: 0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: 0.012+/-0.007 χ^2/NDF:17.8/20

+ sign 0.013+/-0.006 χ^2/NDF: 43.7/38

All: 0.013+/-0.004 χ^2/NDF: 78.5/78

- sign 0.013+/-0.006 χ^2/NDF: 34.8/39


asym_sam_37_48_dd_eigen_dit_vs_cor_diff_rms vs Slug
160
140
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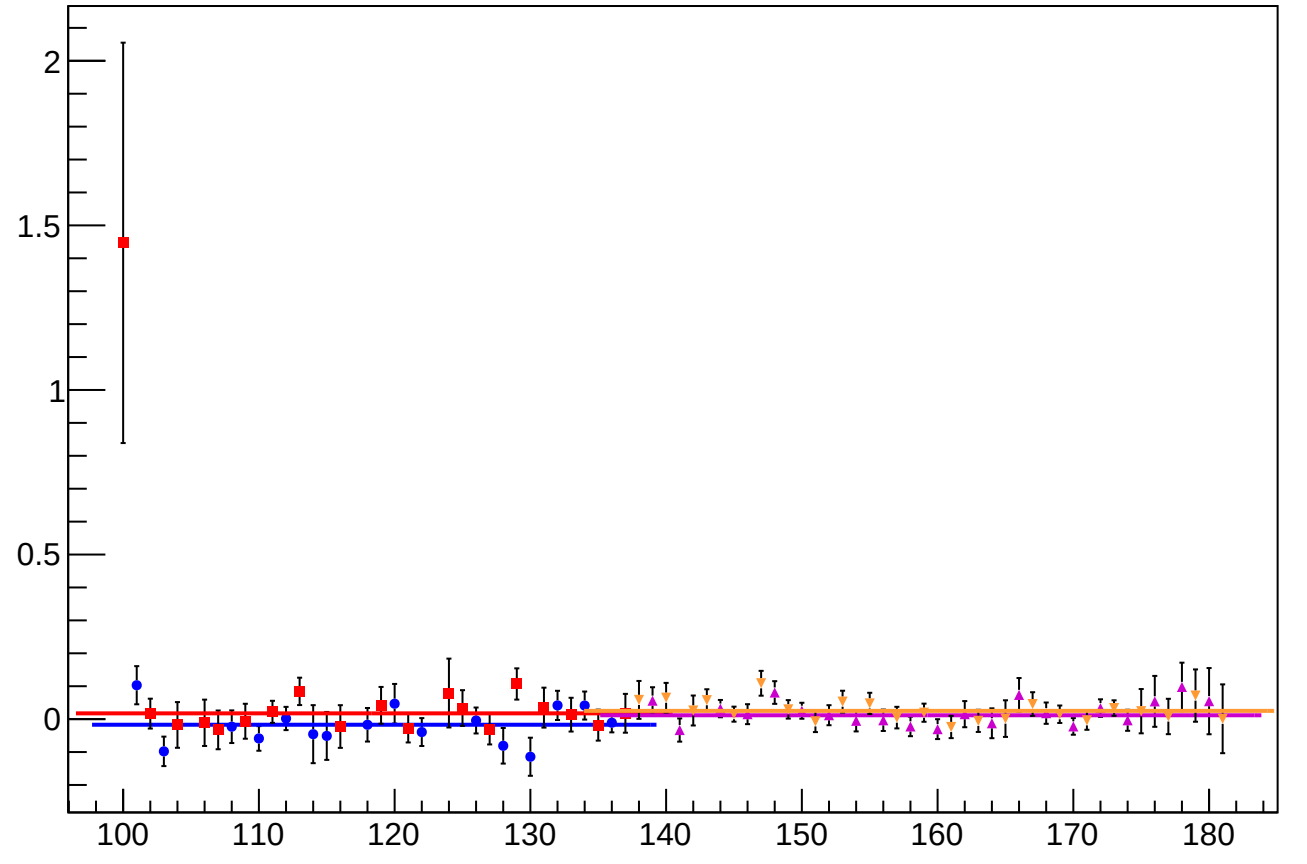
170
180
Right In: 29.278+/-0.008 χ²/NDF: 560654.1/15
Left Out: 28.910+/-0.005 χ²/NDF:3062937.8/22
Right Out: 31.614+/-0.009 χ²/NDF: 572187.4/18
Left In: 28.670+/-0.005 χ²/NDF:2191435.8/20
+ sign 29.016+/-0.004 χ²/NDF: 3625096.9/38
All: 29.232+/-0.003 χ²/NDF: 6480437.0/78
- sign 29.462+/-0.004 χ²/NDF: 2850125.6/39



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.025+/-0.007 χ^2/NDF:15.0/22

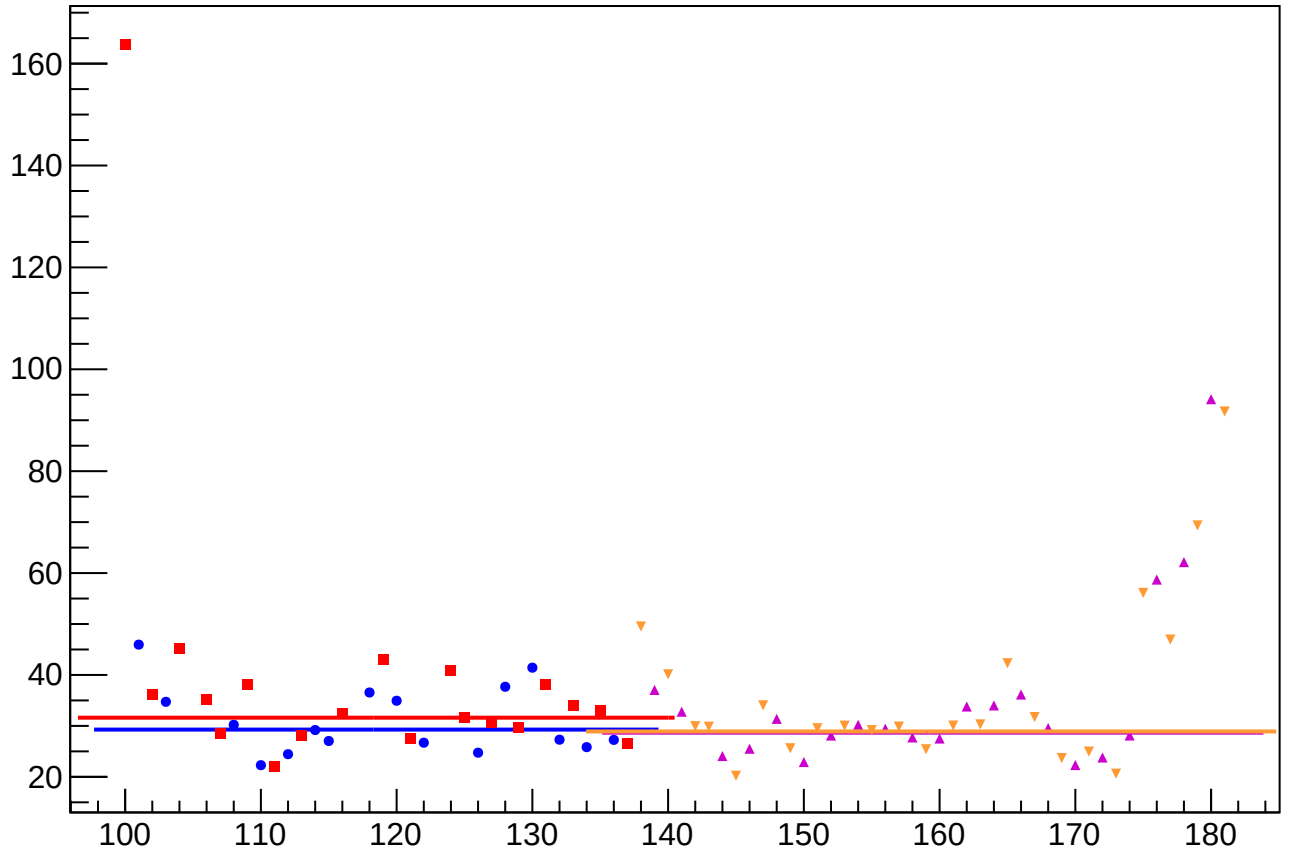
Right Out: 0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: 0.012+/-0.007 χ^2/NDF:17.8/20

+ sign 0.013+/-0.006 χ^2/NDF: 43.7/38

All: 0.013+/-0.004 χ^2/NDF: 78.5/78

- sign 0.013+/-0.006 χ^2/NDF: 34.8/39



Right In: 29.278+/-0.008 χ^2/NDF: 560654.1/15

Left Out: 28.910+/-0.005 χ^2/NDF:3062937.8/22

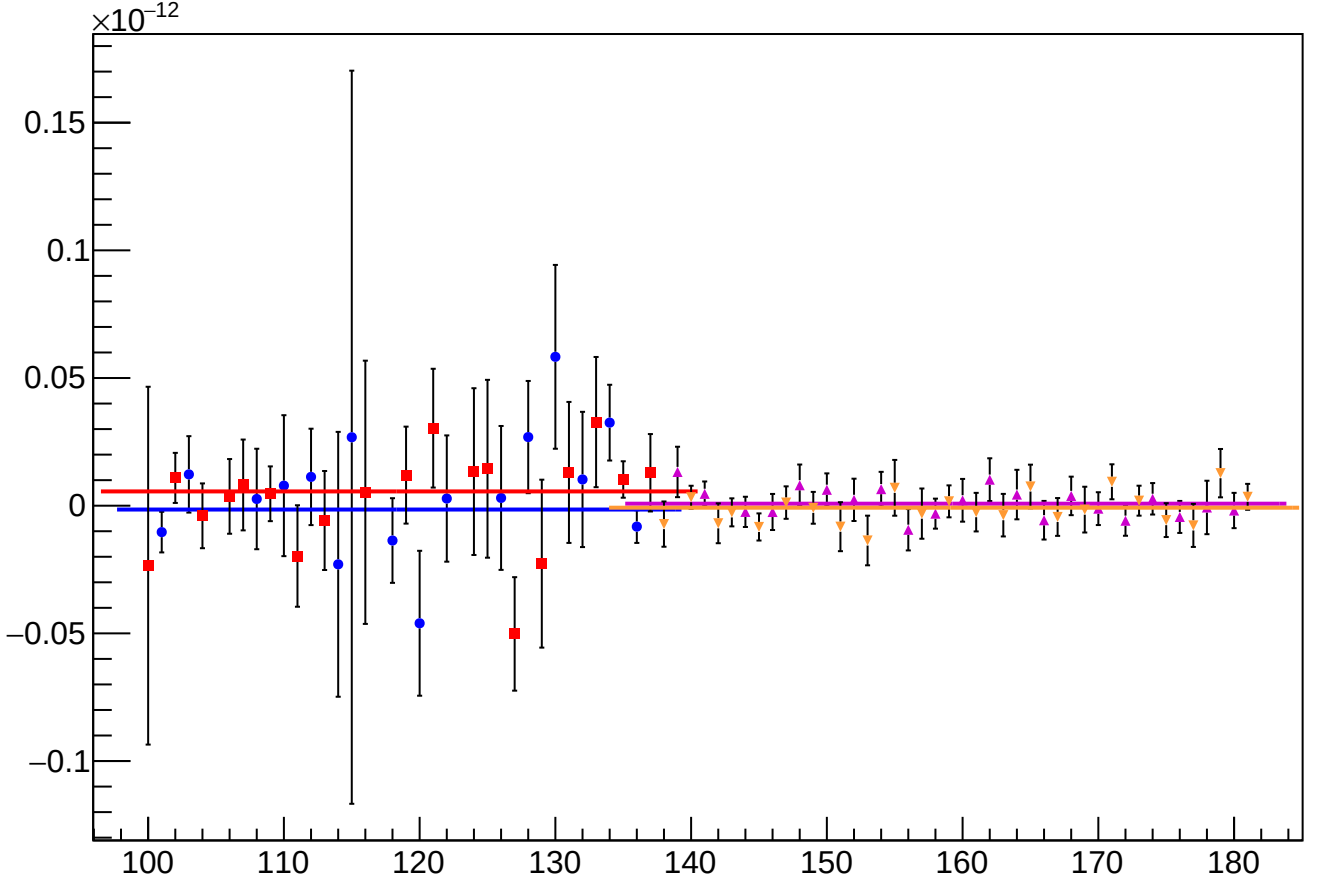
Right Out: 31.614+/-0.009 χ^2/NDF: 572187.4/18

Left In: 28.670+/-0.005 χ^2/NDF:2191435.8/20

+ sign 29.016+/-0.004 χ^2/NDF: 3625096.9/38

All: 29.232+/-0.003 χ^2/NDF: 6480437.0/78

- sign 29.462+/-0.004 χ^2/NDF: 2850125.6/39



Right In: -0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.0/22

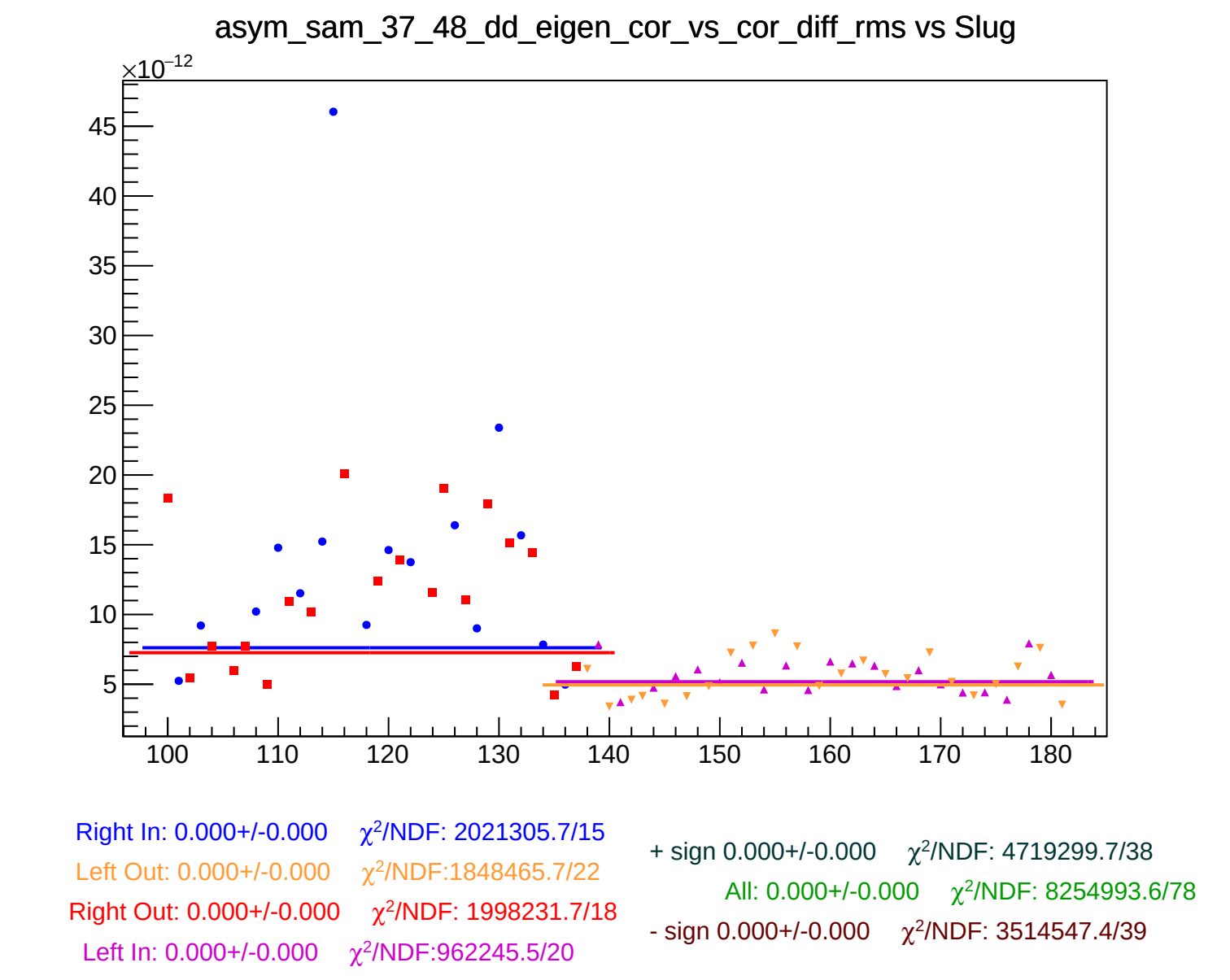
Right Out: 0.000+/-0.000 χ^2/NDF: 13.3/18

Left In: 0.000+/-0.000 χ^2/NDF:11.7/20

+ sign -0.000+/-0.000 χ^2/NDF: 32.0/38

All: 0.000+/-0.000 χ^2/NDF: 59.9/78

- sign 0.000+/-0.000 χ^2/NDF: 26.5/39


asym_sam_37_48_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
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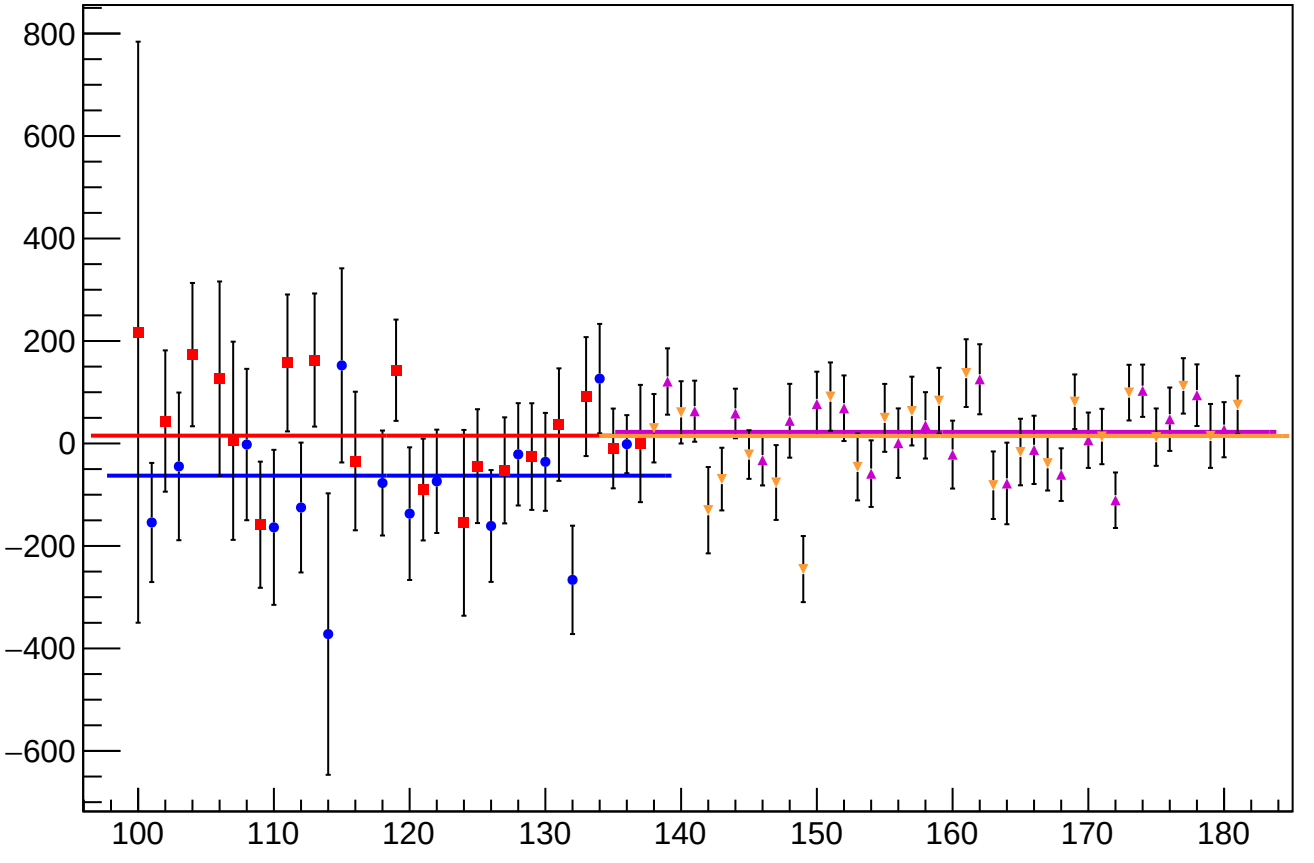
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2021305.7/15
Left Out: 0.000+/-0.000 χ²/NDF:1848465.7/22
Right Out: 0.000+/-0.000 χ²/NDF: 1998231.7/18
Left In: 0.000+/-0.000 χ²/NDF:962245.5/20
+ sign 0.000+/-0.000 χ²/NDF: 4719299.7/38
All: 0.000+/-0.000 χ²/NDF: 8254993.6/78
- sign 0.000+/-0.000 χ²/NDF: 3514547.4/39

reg_asym_sam_15_26_dd_mean vs Slug



Right In: -62.798+/-27.213 χ^2/NDF: 13.5/15

Left Out: 14.509+/-12.662 χ^2/NDF:43.2/22

Right Out: 15.288+/-27.770 χ^2/NDF: 11.5/18

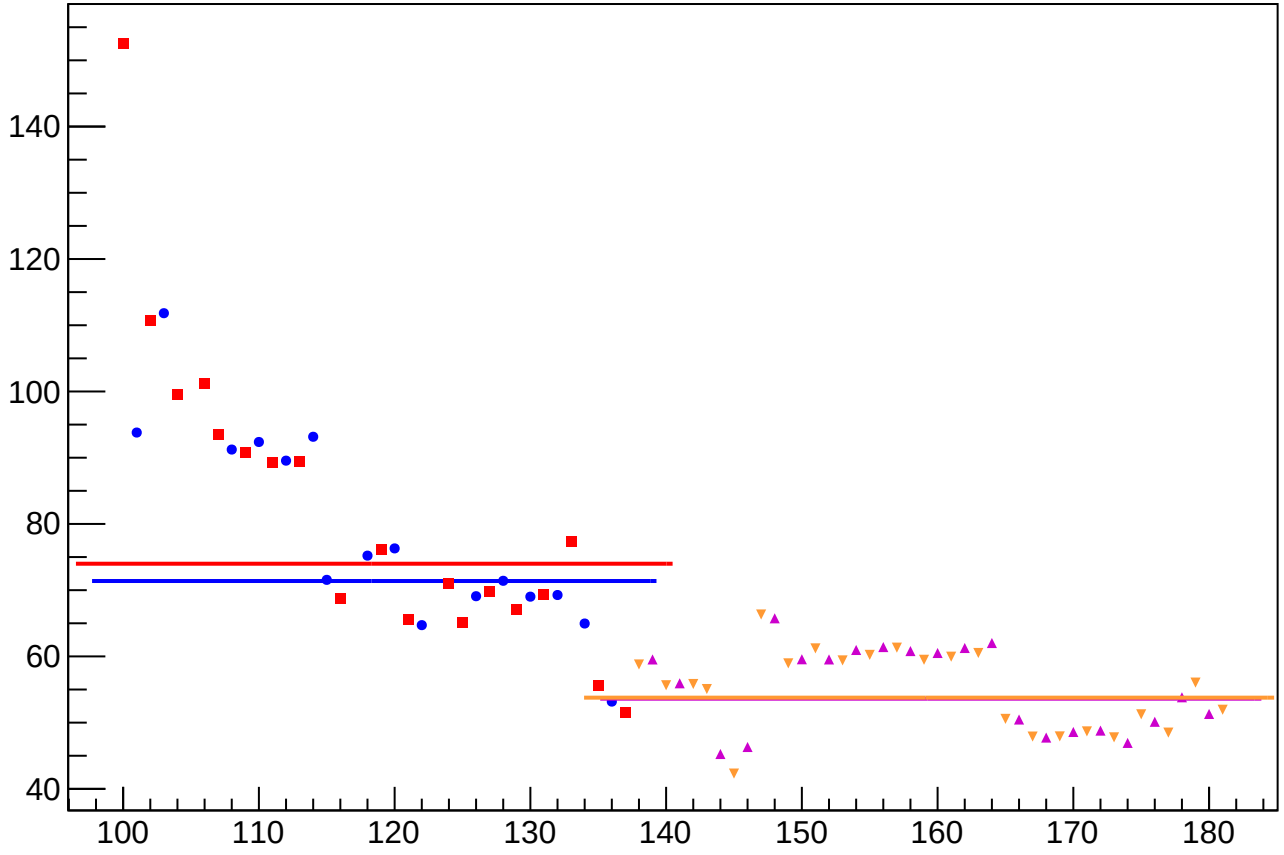
Left In: 22.617+/-13.029 χ^2/NDF:25.1/20

+ sign 0.751+/-11.480 χ^2/NDF: 63.3/38

All: 10.745+/-8.227 χ^2/NDF: 101.4/78

- sign 21.295+/-11.795 χ^2/NDF: 36.6/39

reg_asym_sam_15_26_dd_rms vs Slug



Right In: 71.383+/-0.019 χ^2/NDF: 590909.3/15

Left Out: 53.771+/-0.009 χ^2/NDF:465540.6/22

Right Out: 73.994+/-0.020 χ^2/NDF: 638445.5/18

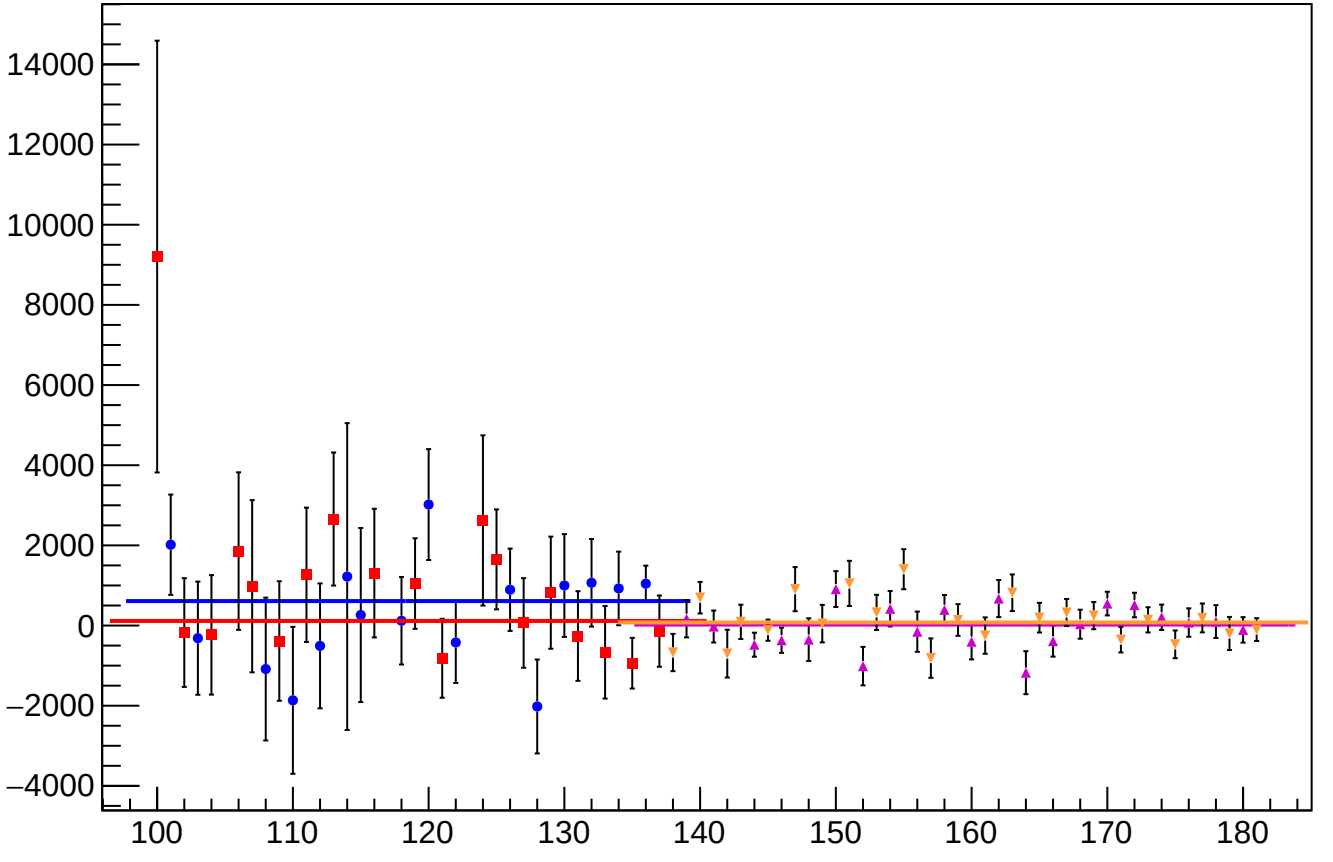
Left In: 53.614+/-0.009 χ^2/NDF:468377.3/20

+ sign 56.906+/-0.008 χ^2/NDF: 1745070.4/38

All: 57.093+/-0.006 χ^2/NDF: 3735773.5/78

- sign 57.291+/-0.008 χ^2/NDF: 1989607.0/39

asym_sam_15_26_dd_reg_correction_mean vs Slug



Right In: 610.561+/-266.802 χ^2/NDF: 15.7/15

Left Out: 77.626+/-80.810 χ^2/NDF:32.6/22

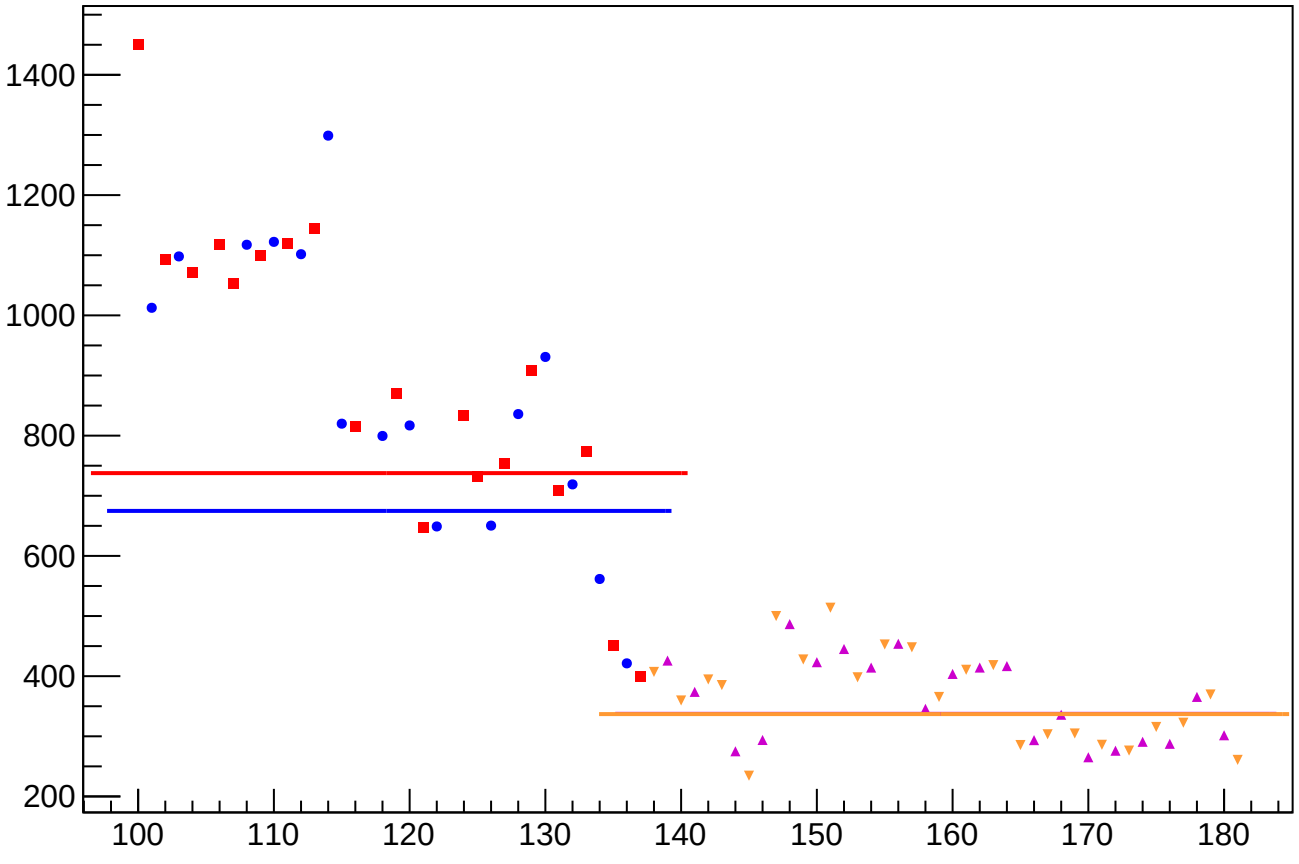
Right Out: 114.633+/-284.312 χ^2/NDF: 15.6/18

Left In: 24.232+/-83.098 χ^2/NDF:30.7/20

+ sign 122.408+/-77.340 χ^2/NDF: 52.0/38

All: 78.280+/-55.524 χ^2/NDF: 99.0/78

- sign 31.347+/-79.761 χ^2/NDF: 46.4/39



Right In: 674.830+/-0.189 χ^2/NDF: 1617598.7/15

Left Out: 336.943+/-0.057 χ^2/NDF:1589481.7/22

Right Out: 737.674+/-0.201 χ^2/NDF: 1516748.6/18

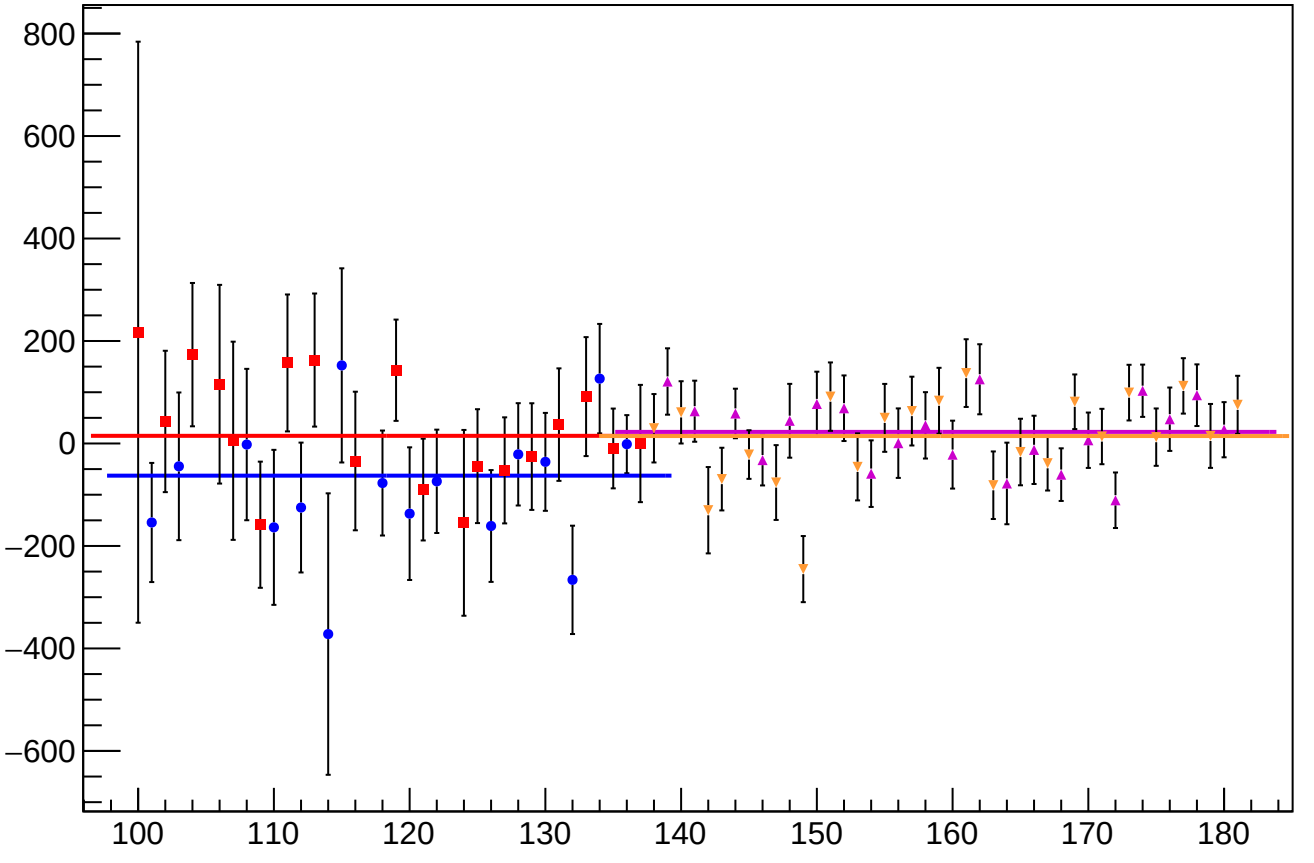
Left In: 337.376+/-0.059 χ^2/NDF:1201088.4/20

+ sign 365.336+/-0.055 χ^2/NDF: 6145240.3/38

All: 367.054+/-0.039 χ^2/NDF: 12517761.7/78

- sign 368.880+/-0.056 χ^2/NDF: 6370486.0/39

cor_asym_sam_15_26_dd_mean vs Slug



Right In: -62.789+/-27.213 χ^2/NDF: 13.5/15

Left Out: 14.510+/-12.662 χ^2/NDF:43.2/22

Right Out: 14.932+/-27.783 χ^2/NDF: 11.4/18

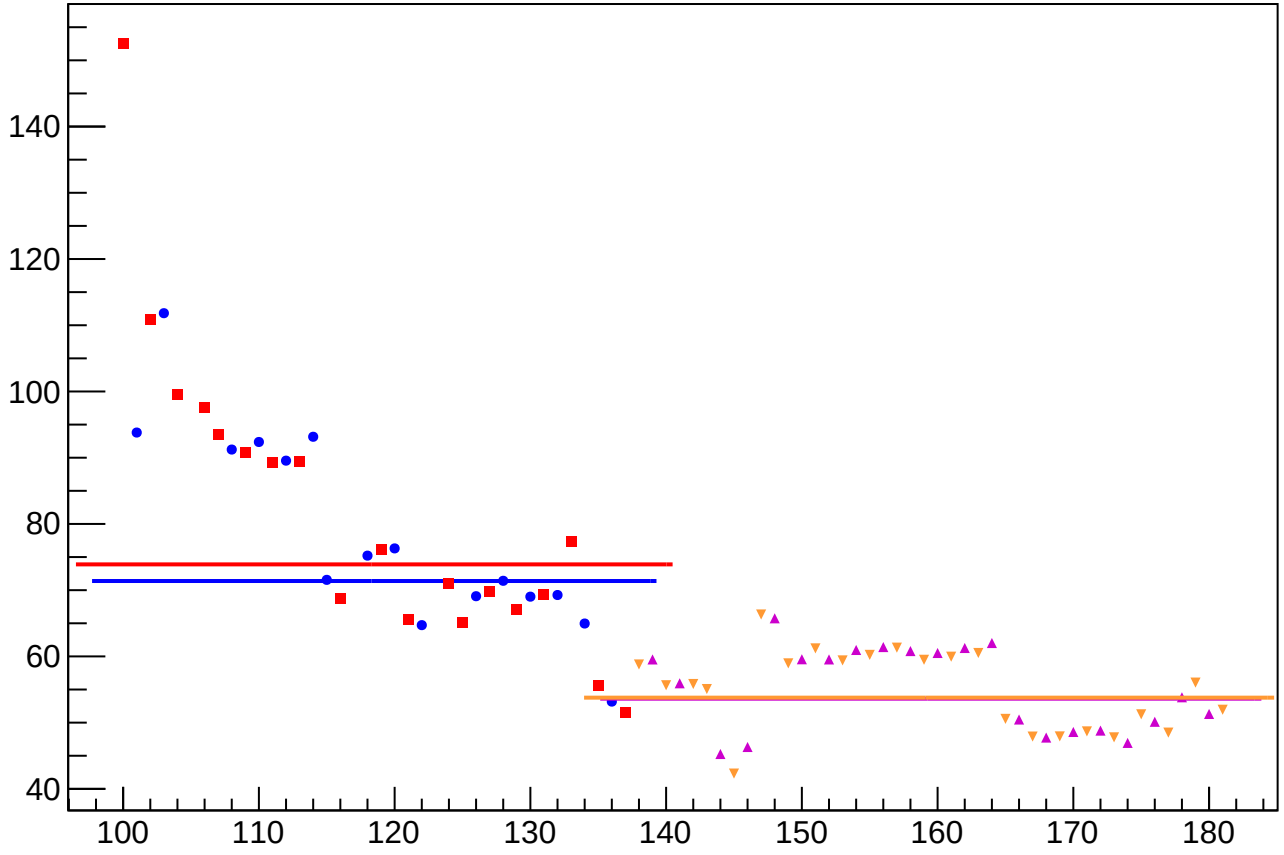
Left In: 22.616+/-13.029 χ^2/NDF:25.1/20

+ sign 0.753+/-11.480 χ^2/NDF: 63.3/38

All: 10.714+/-8.227 χ^2/NDF: 101.3/78

- sign 21.231+/-11.796 χ^2/NDF: 36.5/39

cor_asym_sam_15_26_dd_rms vs Slug



Right In: 71.383+/-0.019 χ^2/NDF: 590911.7/15

Left Out: 53.771+/-0.009 χ^2/NDF:465540.6/22

Right Out: 73.894+/-0.020 χ^2/NDF: 627014.3/18

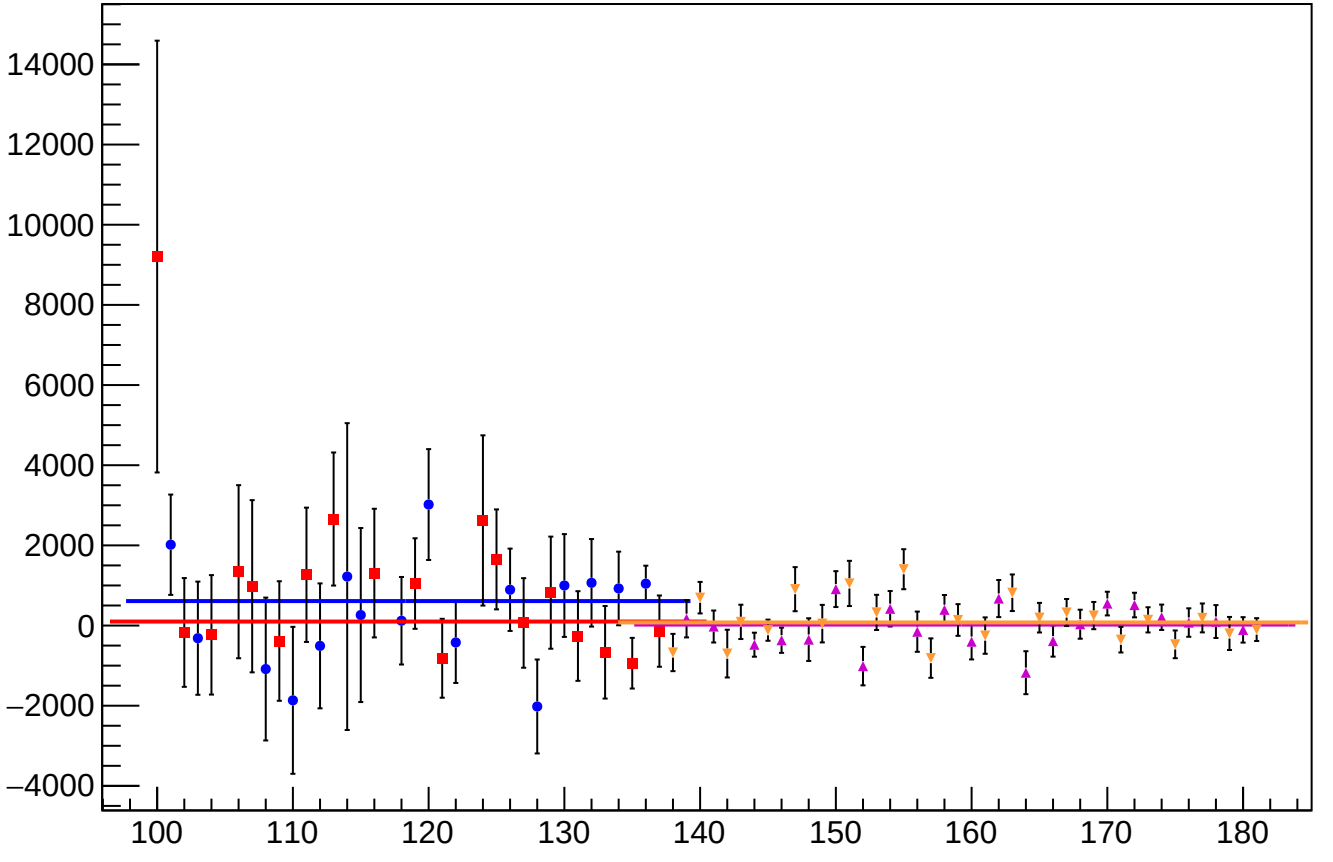
Left In: 53.614+/-0.009 χ^2/NDF:468377.3/20

+ sign 56.906+/-0.008 χ^2/NDF: 1745073.0/38

All: 57.083+/-0.006 χ^2/NDF: 3714925.9/78

- sign 57.270+/-0.008 χ^2/NDF: 1968872.3/39

asym_sam_15_26_dd_cor_correction_mean vs Slug



Right In: 610.549+/-266.803 χ^2/NDF: 15.7/15

Left Out: 77.624+/-80.810 χ^2/NDF:32.6/22

Right Out: 99.555+/-284.831 χ^2/NDF: 15.1/18

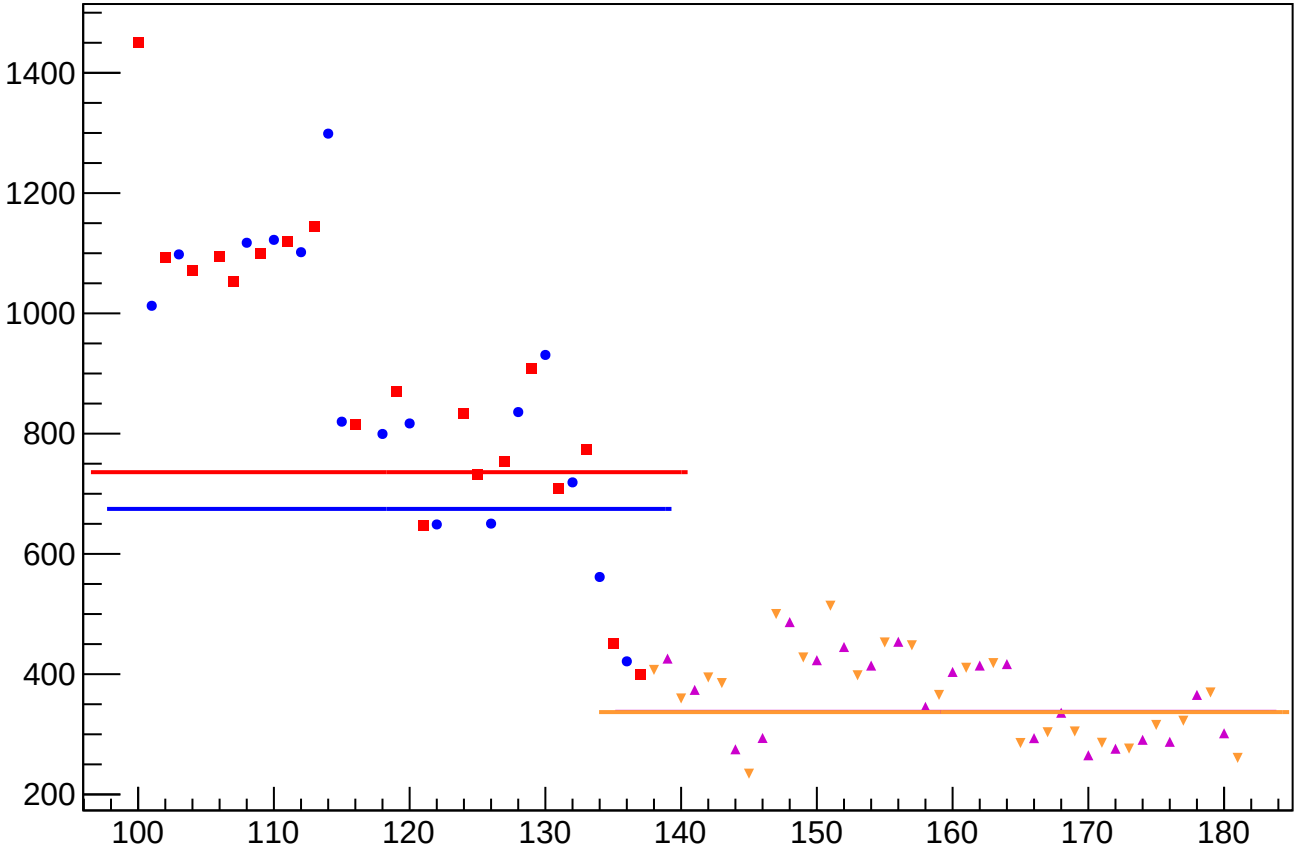
Left In: 24.235+/-83.098 χ^2/NDF:30.7/20

+ sign 122.406+/-77.340 χ^2/NDF: 52.0/38

All: 77.702+/-55.528 χ^2/NDF: 98.5/78

- sign 30.143+/-79.772 χ^2/NDF: 45.9/39

asym_sam_15_26_dd_cor_correction_rms vs Slug



Right In: 674.831+/-0.189 χ^2/NDF: 1617624.1/15

Left Out: 336.943+/-0.057 χ^2/NDF:1589486.4/22

Right Out: 735.919+/-0.201 χ^2/NDF: 1496977.2/18

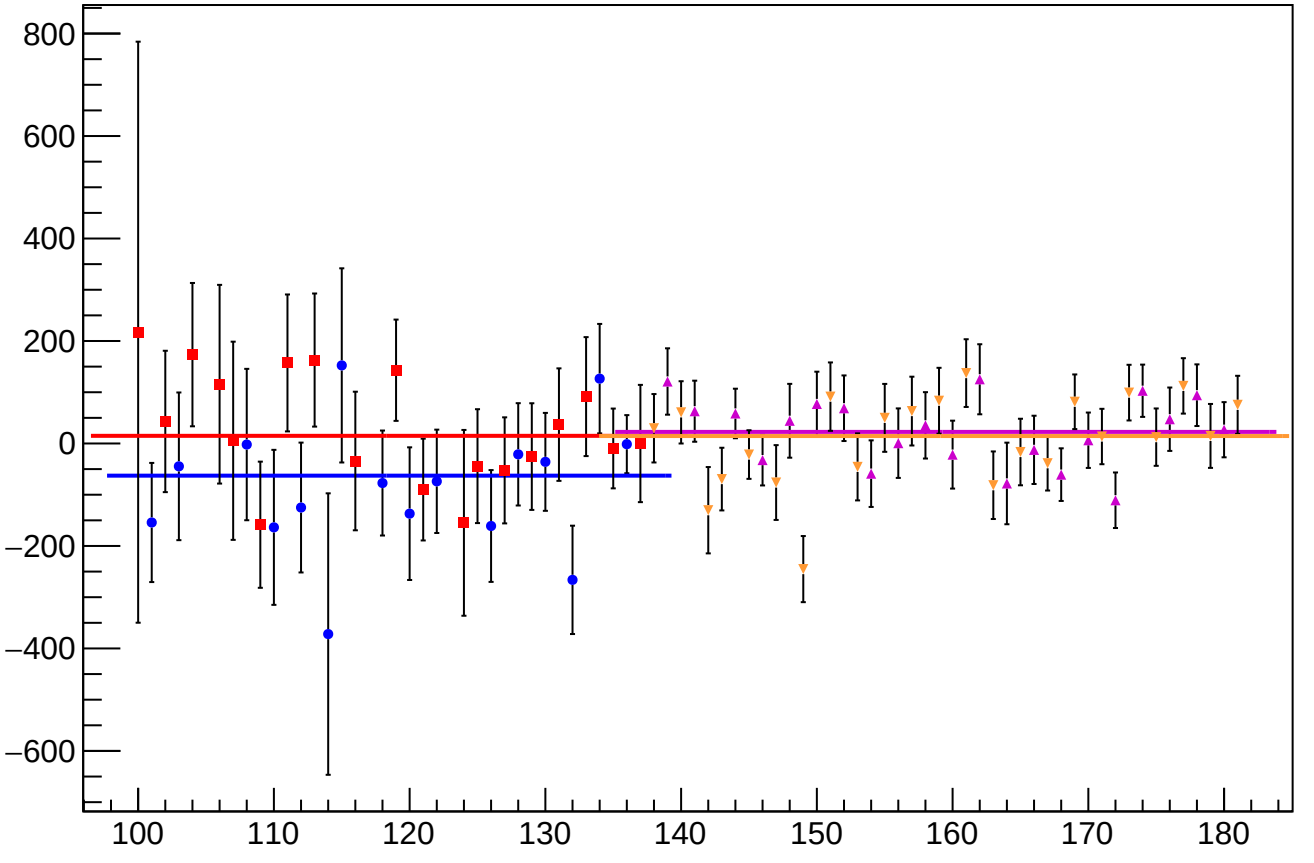
Left In: 337.375+/-0.059 χ^2/NDF:1201099.7/20

+ sign 365.336+/-0.055 χ^2/NDF: 6145269.0/38

All: 366.935+/-0.039 χ^2/NDF: 12453657.0/78

- sign 368.637+/-0.056 χ^2/NDF: 6306622.9/39

eigen_cor_asym_sam_15_26_dd_mean vs Slug



Right In: -62.789+/-27.213 χ^2/NDF: 13.5/15

Left Out: 14.510+/-12.662 χ^2/NDF:43.2/22

Right Out: 14.932+/-27.783 χ^2/NDF: 11.4/18

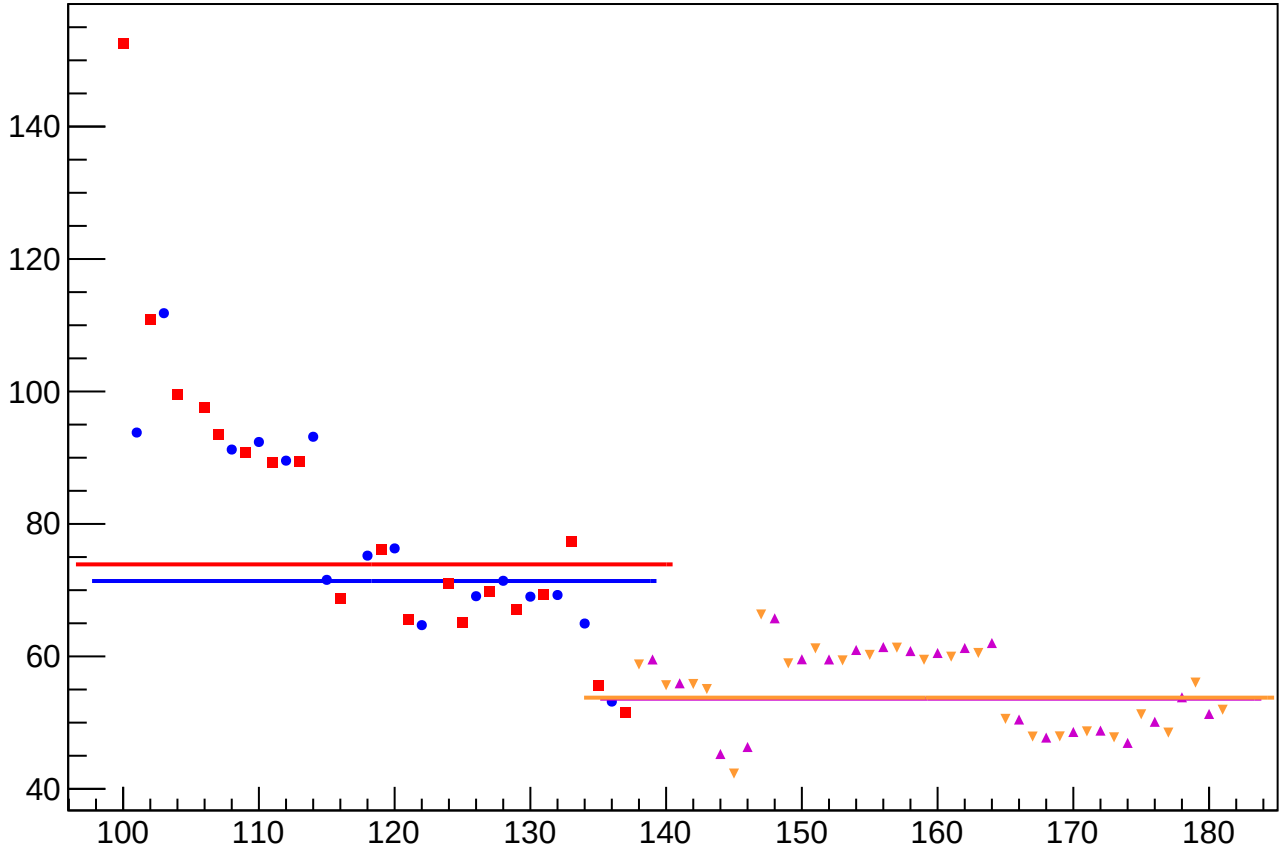
Left In: 22.616+/-13.029 χ^2/NDF:25.1/20

+ sign 0.753+/-11.480 χ^2/NDF: 63.3/38

All: 10.714+/-8.227 χ^2/NDF: 101.3/78

- sign 21.231+/-11.796 χ^2/NDF: 36.5/39

eigen_cor_asym_sam_15_26_dd_rms vs Slug



Right In: 71.383+/-0.019 χ^2/NDF: 590911.7/15

Left Out: 53.771+/-0.009 χ^2/NDF:465540.6/22

Right Out: 73.894+/-0.020 χ^2/NDF: 627014.3/18

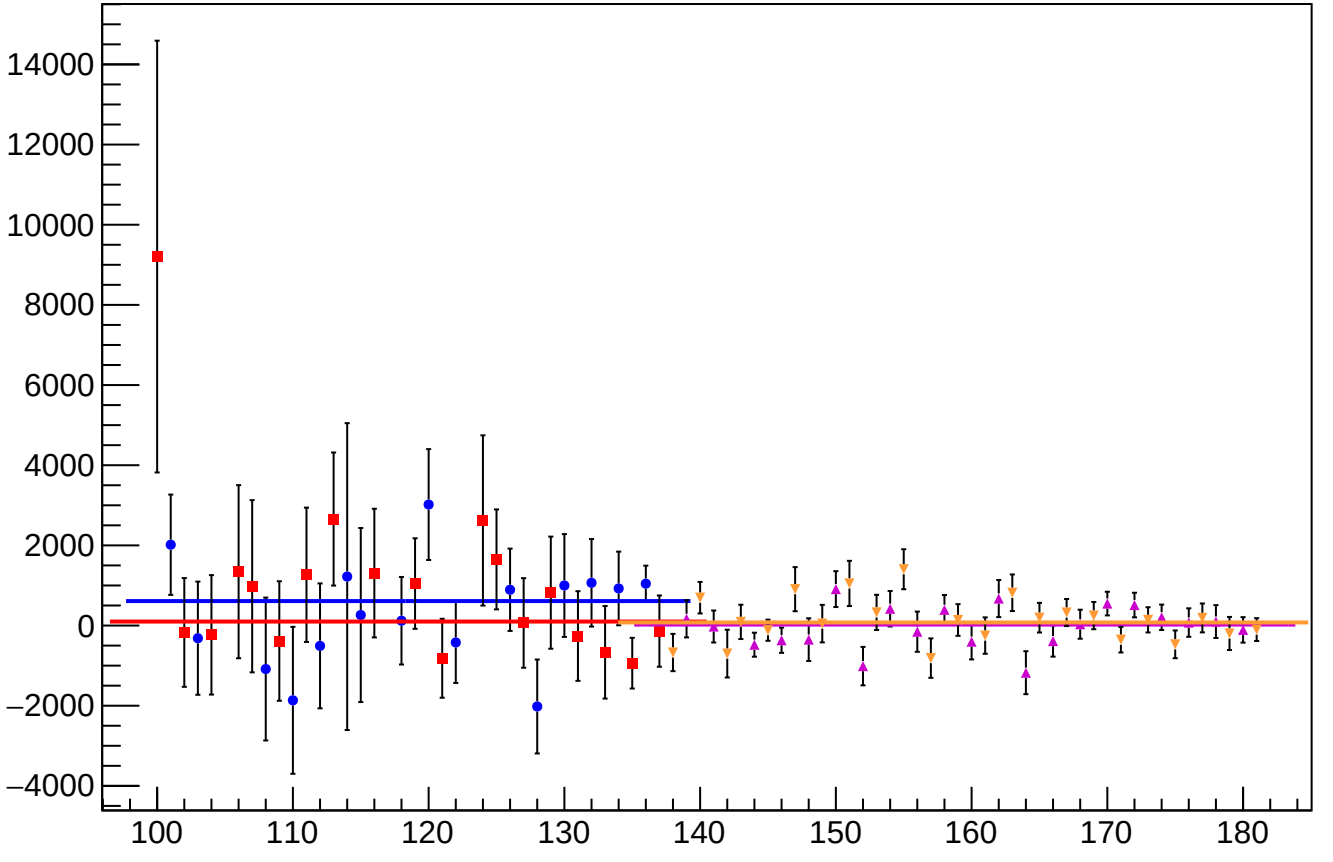
Left In: 53.614+/-0.009 χ^2/NDF:468377.3/20

+ sign 56.906+/-0.008 χ^2/NDF: 1745073.0/38

All: 57.083+/-0.006 χ^2/NDF: 3714925.9/78

- sign 57.270+/-0.008 χ^2/NDF: 1968872.3/39

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: 77.624+/-80.810 χ^2/NDF:32.6/22

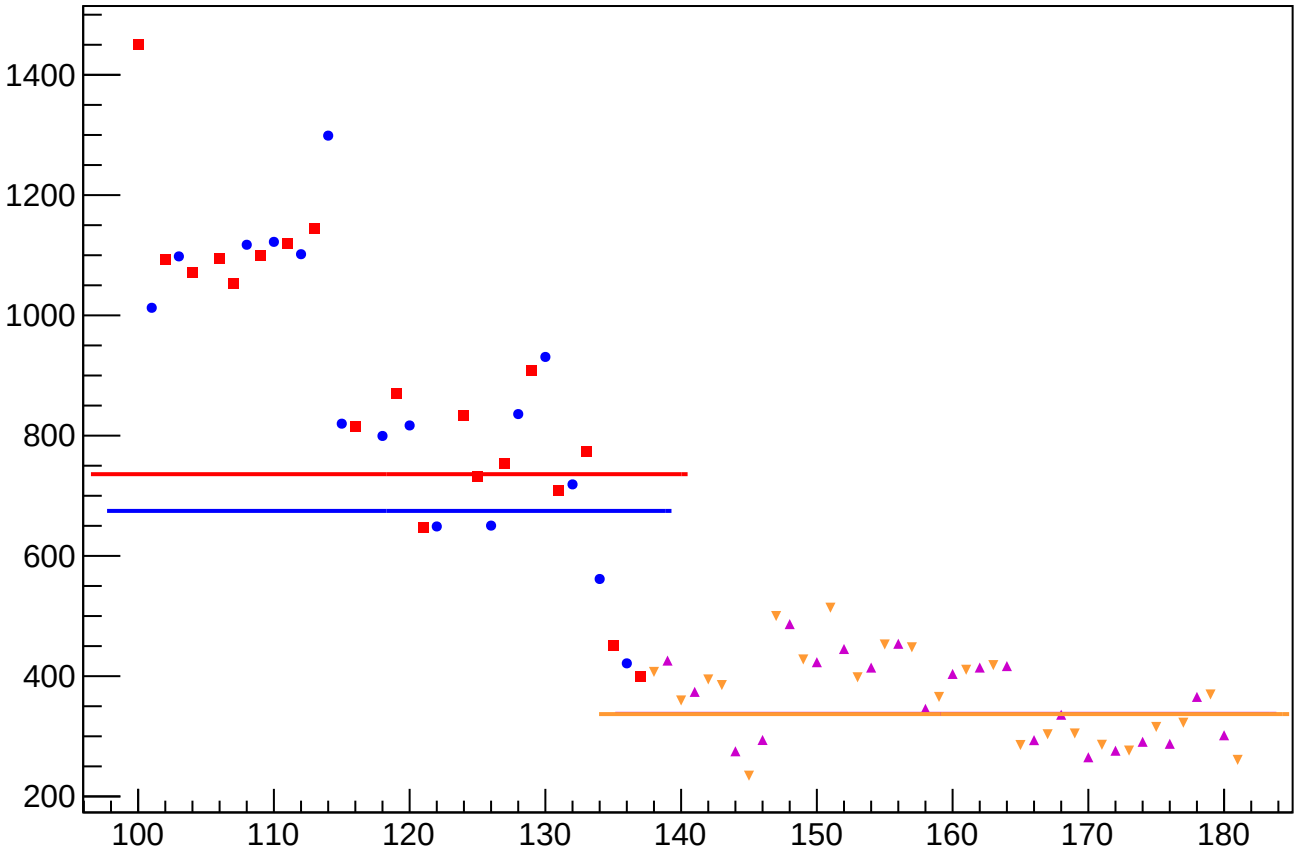
Right Out: 99.555+/-284.831 χ^2/NDF: 15.1/18

Left In: 24.235+/-83.098 χ^2/NDF:30.7/20

+ sign 122.406+/-77.340 χ^2/NDF: 52.0/38

All: 77.702+/-55.528 χ^2/NDF: 98.5/78

- sign 30.143+/-79.772 χ^2/NDF: 45.9/39



Right In: 674.831+/-0.189 χ^2/NDF: 1617624.1/15

Left Out: 336.943+/-0.057 χ^2/NDF:1589486.4/22

Right Out: 735.919+/-0.201 χ^2/NDF: 1496977.2/18

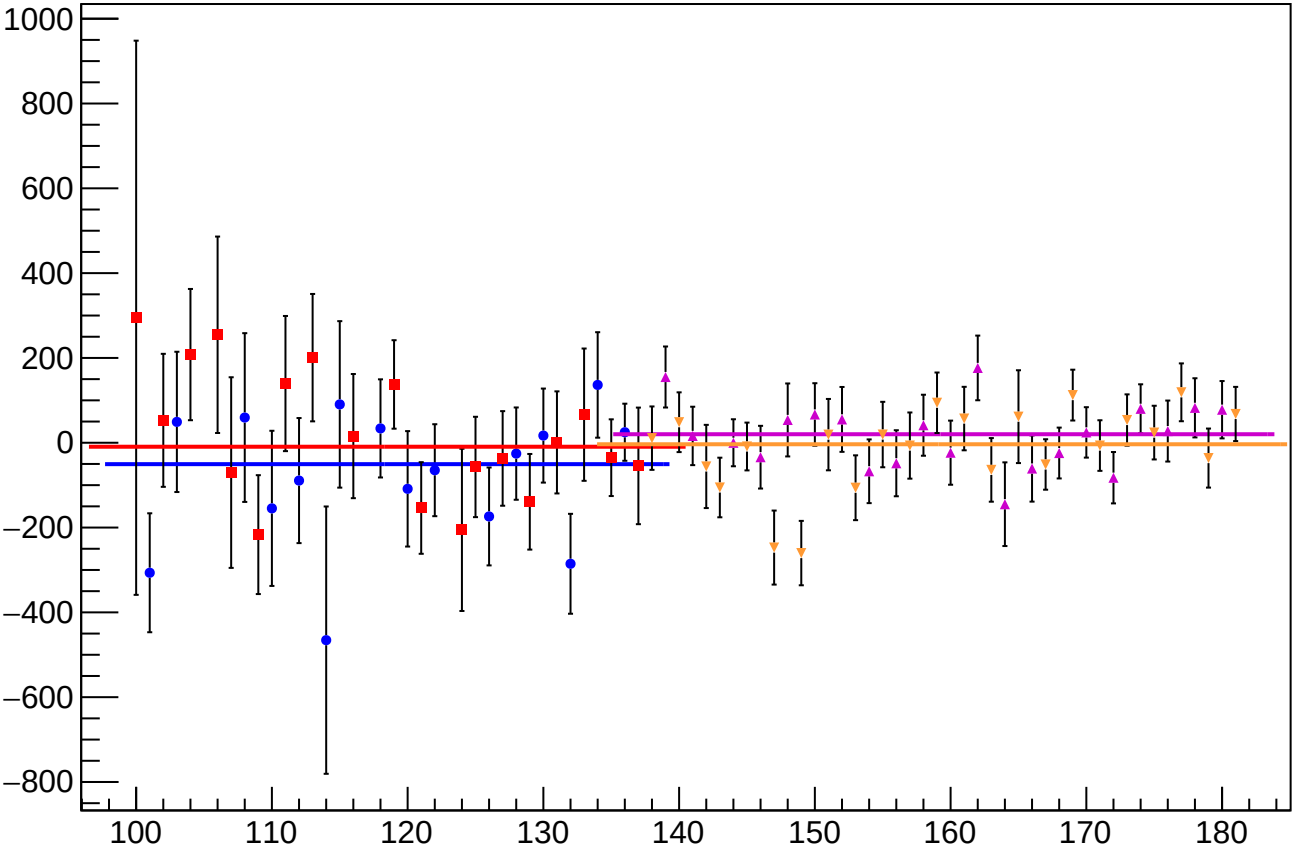
Left In: 337.375+/-0.059 χ^2/NDF:1201099.7/20

+ sign 365.336+/-0.055 χ^2/NDF: 6145269.0/38

All: 366.935+/-0.039 χ^2/NDF: 12453657.0/78

- sign 368.637+/-0.056 χ^2/NDF: 6306622.9/39

dit_asym_sam_15_26_dd_mean vs Slug



Right In: -50.465+/-31.061 χ^2/NDF: 16.4/15

Left Out: -3.552+/-14.717 χ^2/NDF:37.9/22

Right Out: -9.380+/-31.235 χ^2/NDF: 15.6/18

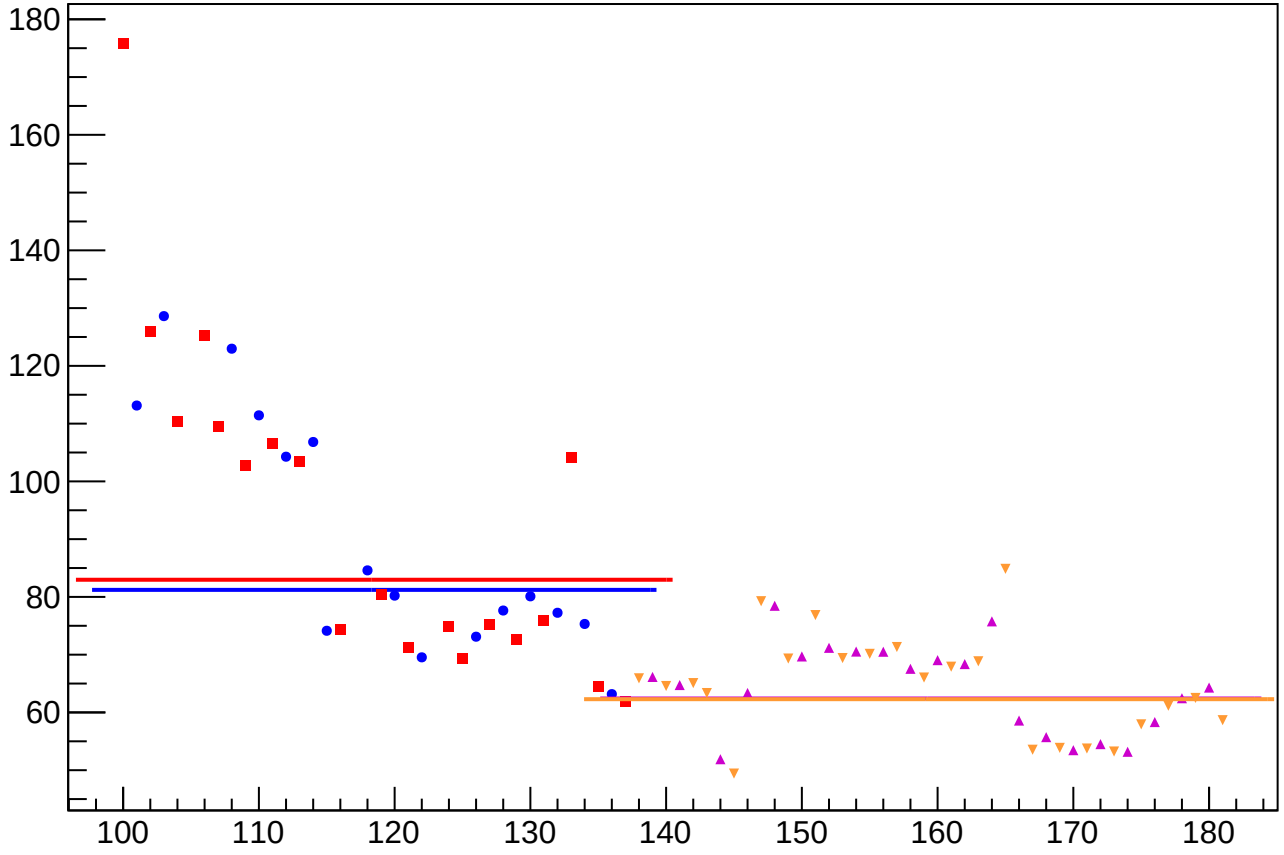
Left In: 20.104+/-15.245 χ^2/NDF:21.6/20

+ sign -12.153+/-13.300 χ^2/NDF: 56.1/38

All: 0.744+/-9.543 χ^2/NDF: 96.0/78

- sign 14.431+/-13.701 χ^2/NDF: 37.9/39

dit_asym_sam_15_26_dd_rms vs Slug



Right In: 81.218+/-0.022 χ^2/NDF: 662873.6/15

Left Out: 62.294+/-0.010 χ^2/NDF:633000.3/22

Right Out: 82.971+/-0.022 χ^2/NDF: 730384.9/18

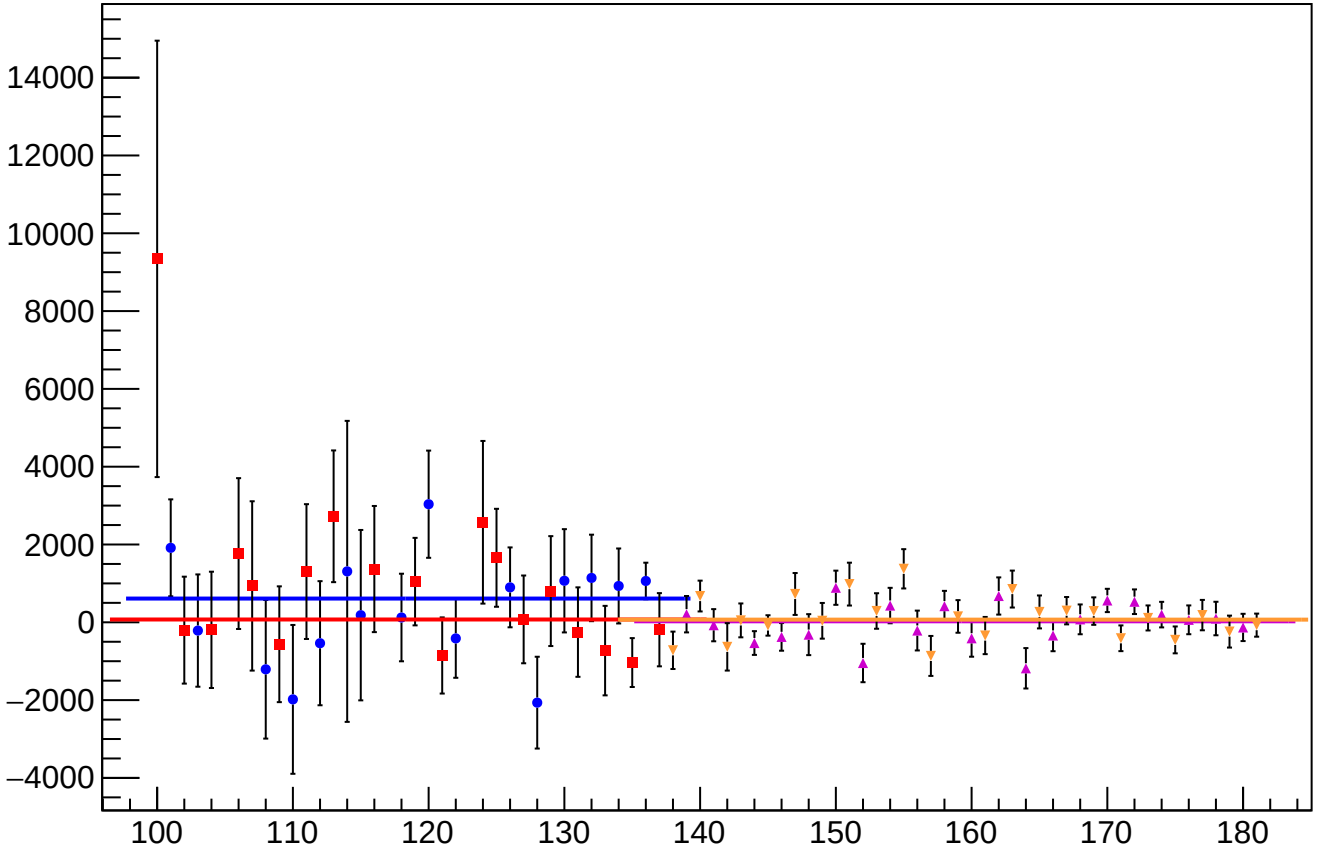
Left In: 62.414+/-0.011 χ^2/NDF:482826.5/20

+ sign 65.763+/-0.009 χ^2/NDF: 1902170.0/38

All: 66.057+/-0.007 χ^2/NDF: 3817028.3/78

- sign 66.369+/-0.010 χ^2/NDF: 1912843.2/39

asym_sam_15_26_dd_dit_correction_mean vs Slug



Right In: 610.383+/-273.982 χ^2/NDF: 15.8/15

Left Out: 68.555+/-83.206 χ^2/NDF:31.0/22

Right Out: 72.311+/-286.830 χ^2/NDF: 16.2/18

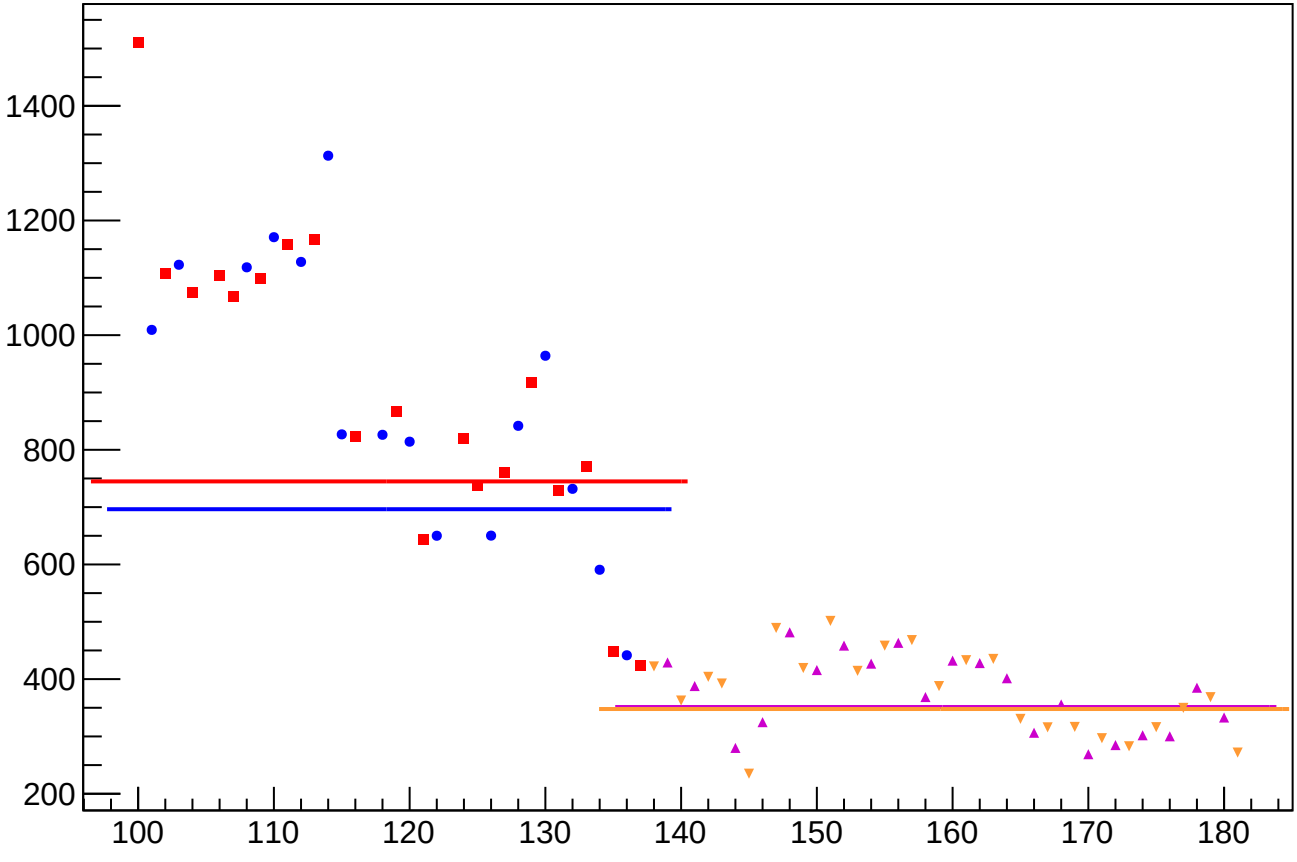
Left In: 25.679+/-86.459 χ^2/NDF:31.0/20

+ sign 114.308+/-79.616 χ^2/NDF: 50.4/38

All: 73.586+/-57.383 χ^2/NDF: 98.1/78

- sign 29.563+/-82.780 χ^2/NDF: 47.2/39

asym_sam_15_26_dd_dit_correction_rms vs Slug



Right In: 696.371+/-0.194 χ^2/NDF: 1515478.0/15

Left Out: 347.829+/-0.059 χ^2/NDF:1515580.7/22

Right Out: 744.875+/-0.203 χ^2/NDF: 1498361.7/18

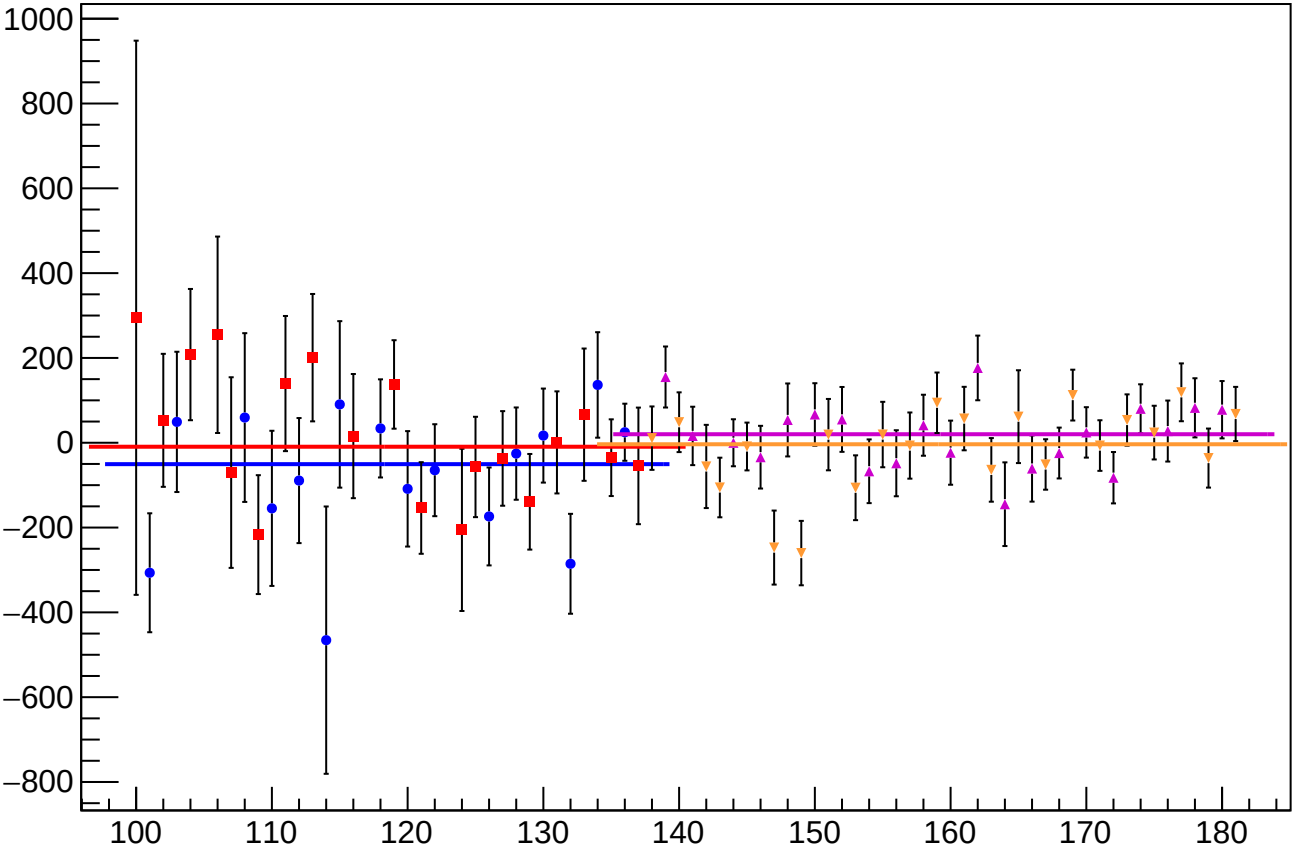
Left In: 351.365+/-0.061 χ^2/NDF:1098772.0/20

+ sign 377.260+/-0.056 χ^2/NDF: 5994410.2/38

All: 380.566+/-0.041 χ^2/NDF: 12049548.4/78

- sign 384.141+/-0.059 χ^2/NDF: 6047959.5/39

eigen_dit_asym_sam_15_26_dd_mean vs Slug



Right In: -50.466+/-31.061 χ^2/NDF: 16.4/15

Left Out: -3.551+/-14.717 χ^2/NDF:37.9/22

Right Out: -9.381+/-31.235 χ^2/NDF: 15.6/18

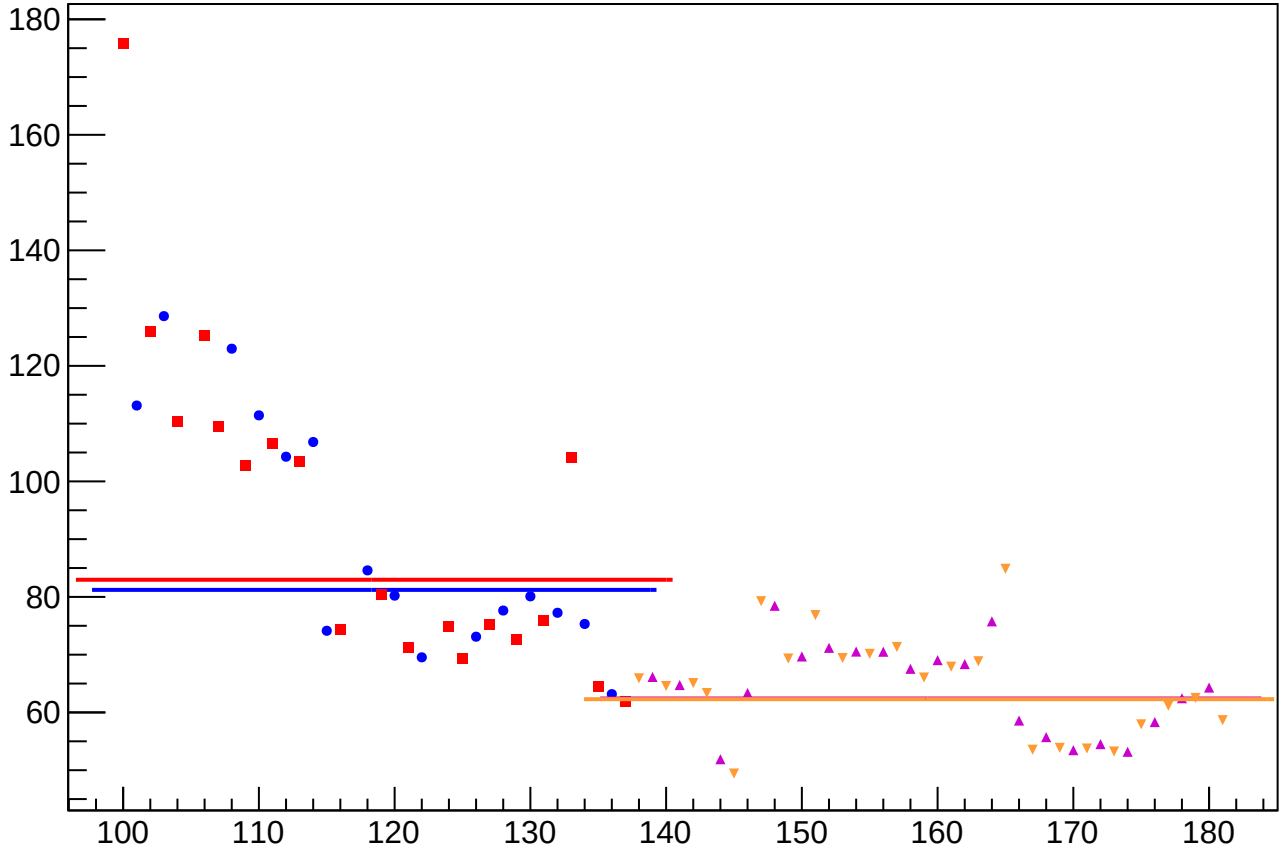
Left In: 20.104+/-15.246 χ^2/NDF:21.6/20

+ sign -12.152+/-13.300 χ^2/NDF: 56.1/38

All: 0.744+/-9.543 χ^2/NDF: 96.0/78

- sign 14.431+/-13.701 χ^2/NDF: 37.9/39

eigen_dit_asym_sam_15_26_dd_rms vs Slug



Right In: 81.218+/-0.022 χ^2/NDF: 662862.1/15

Left Out: 62.294+/-0.010 χ^2/NDF:632998.7/22

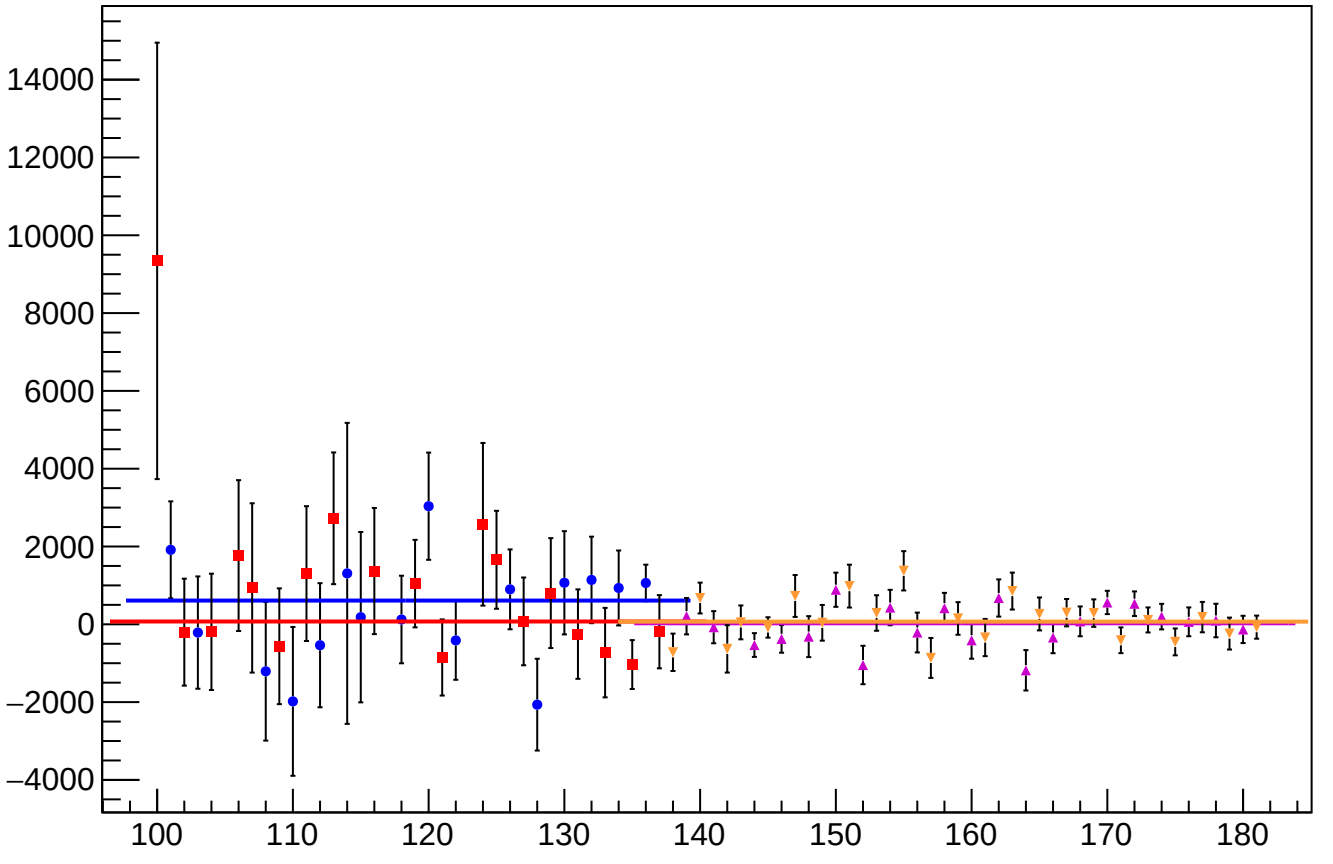
Right Out: 82.971+/-0.022 χ^2/NDF: 730375.6/18

Left In: 62.414+/-0.011 χ^2/NDF:482820.8/20

+ sign 65.763+/-0.009 χ^2/NDF: 1902127.2/38

All: 66.057+/-0.007 χ^2/NDF: 3816939.8/78

- sign 66.369+/-0.010 χ^2/NDF: 1912796.6/39



Right In: 610.382+/-273.981 χ^2/NDF: 15.8/15

Left Out: 68.556+/-83.206 χ^2/NDF:31.0/22

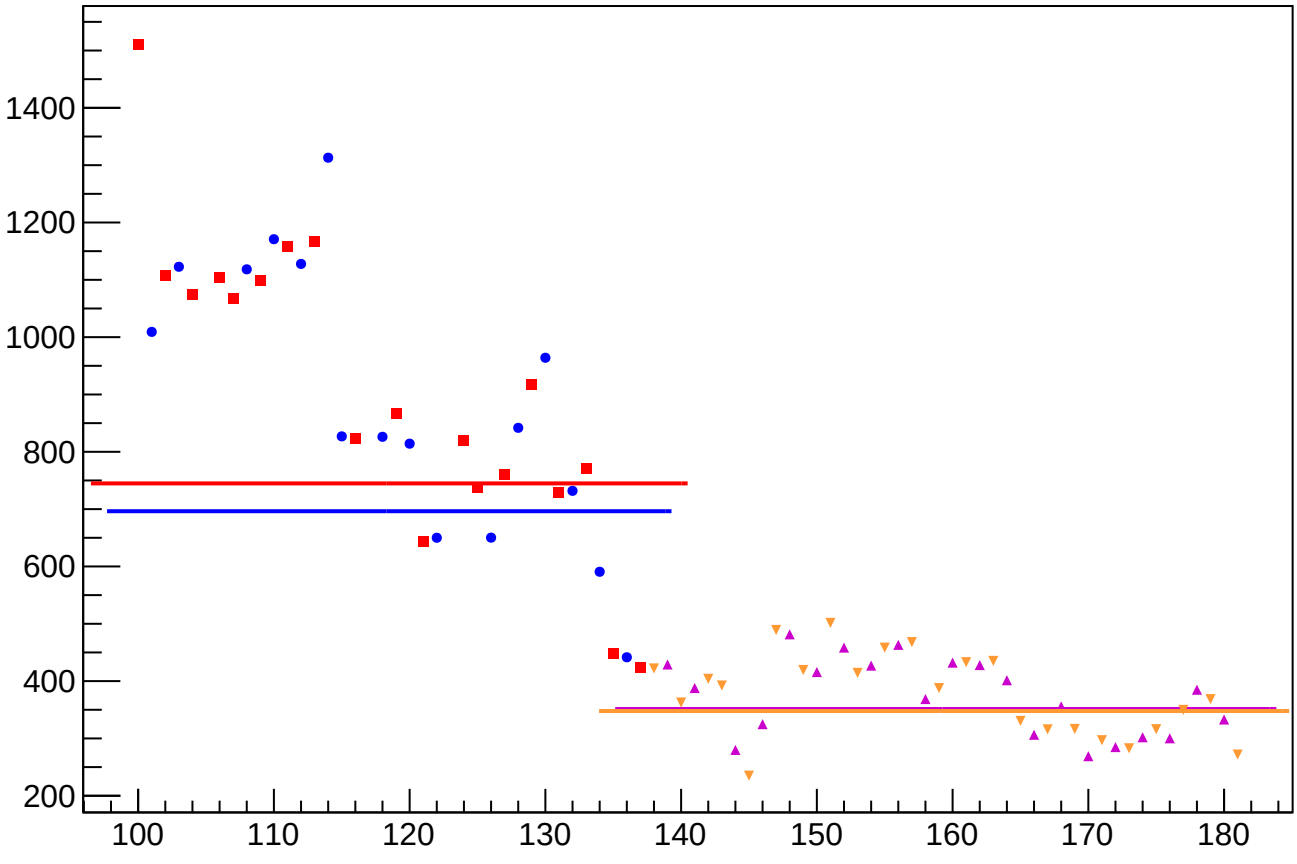
Right Out: 72.313+/-286.830 χ^2/NDF: 16.2/18

Left In: 25.679+/-86.459 χ^2/NDF:31.0/20

+ sign 114.308+/-79.616 χ^2/NDF: 50.4/38

All: 73.587+/-57.383 χ^2/NDF: 98.1/78

- sign 29.563+/-82.780 χ^2/NDF: 47.2/39



Right In: 696.370+/-0.194 χ^2/NDF: 1515461.8/15

Left Out: 347.829+/-0.059 χ^2/NDF:1515601.6/22

Right Out: 744.874+/-0.203 χ^2/NDF: 1498349.6/18

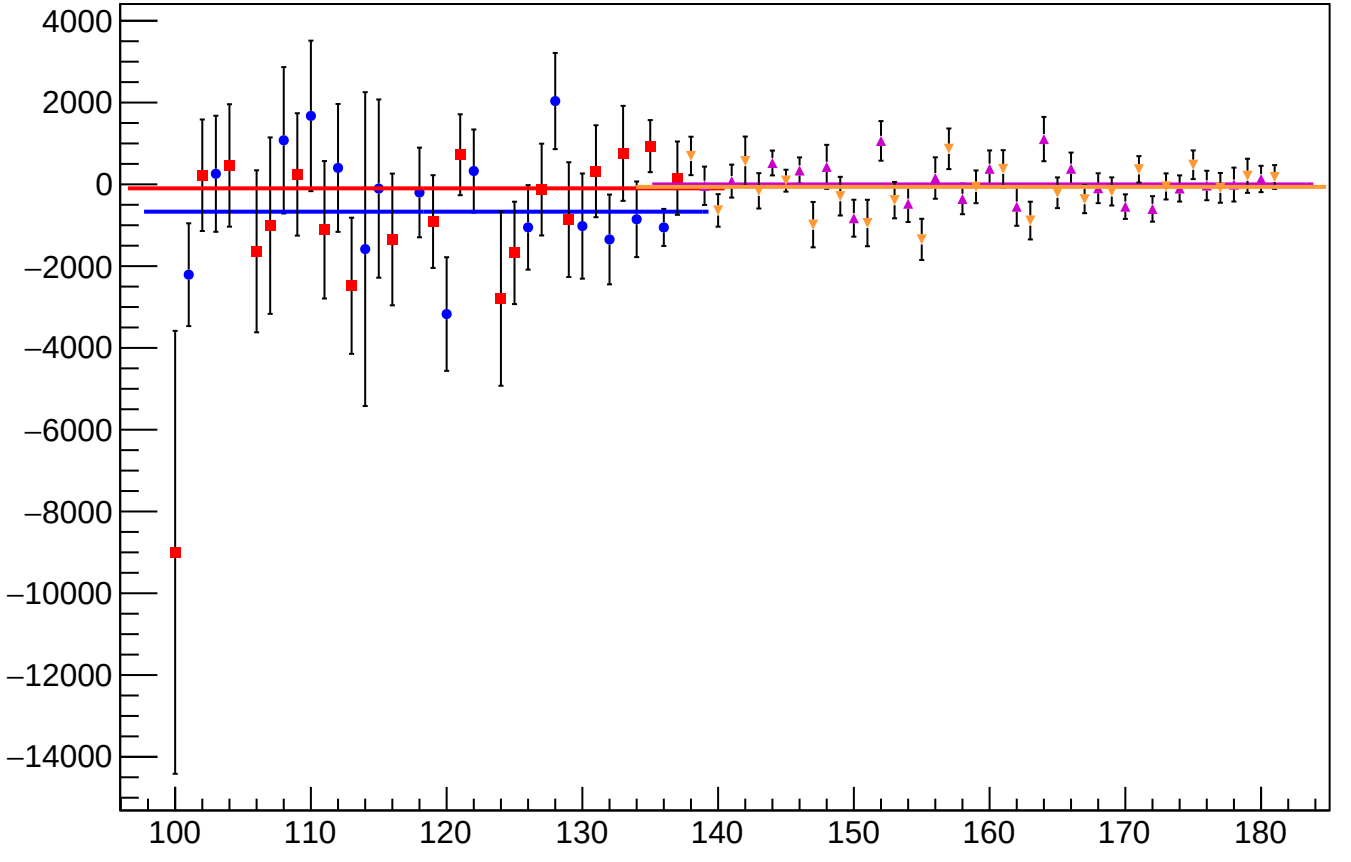
Left In: 351.365+/-0.061 χ^2/NDF:1098777.1/20

+ sign 377.260+/-0.056 χ^2/NDF: 5994408.4/38

All: 380.567+/-0.041 χ^2/NDF: 12049523.8/78

- sign 384.142+/-0.059 χ^2/NDF: 6047935.9/39

asym_sam_15_26_dd_mean vs Slug



Right In: -668.503+/-268.452 χ^2/NDF: 16.1/15

Left Out: -62.034+/-81.865 χ^2/NDF:32.5/22

Right Out: -98.003+/-285.882 χ^2/NDF: 14.8/18

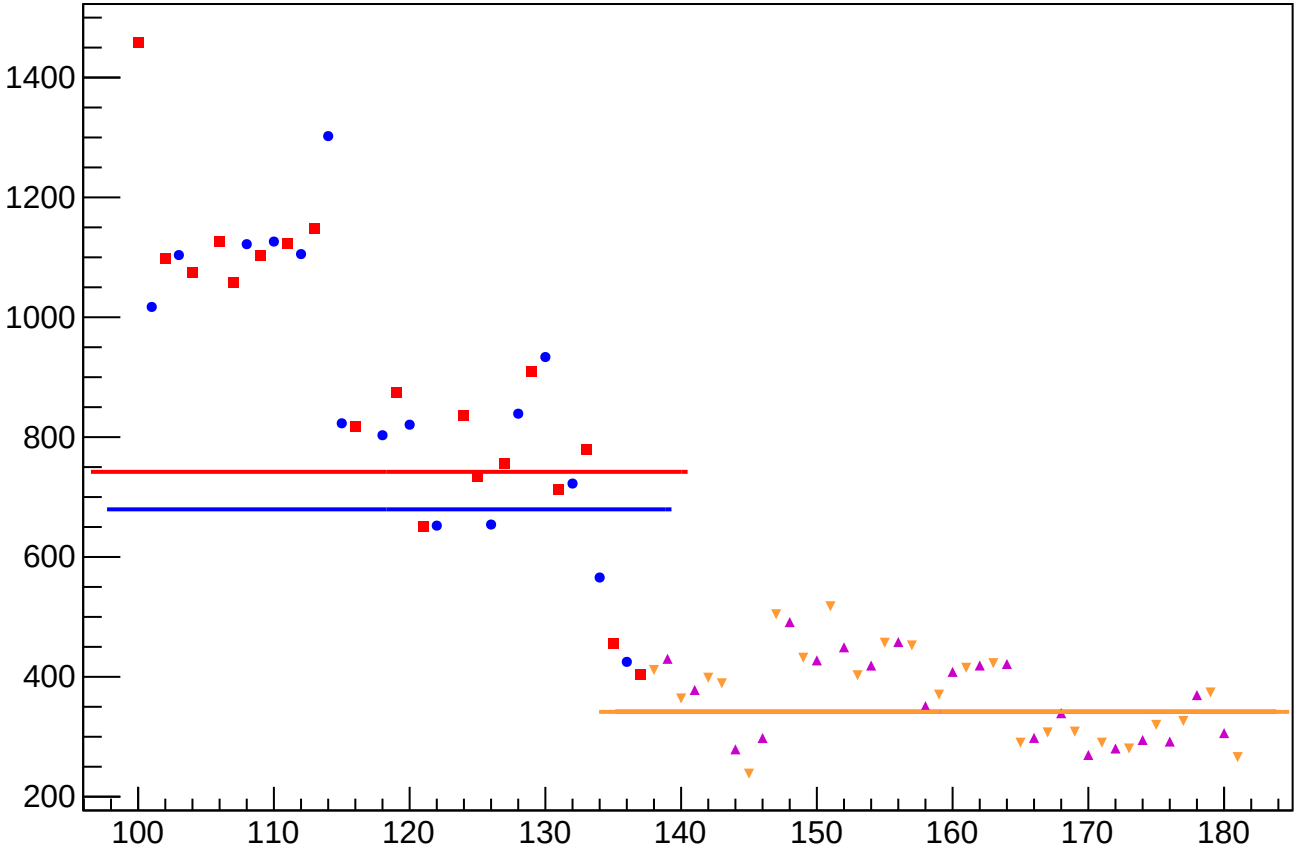
Left In: -1.832+/-84.175 χ^2/NDF:29.6/20

+ sign -113.634+/-78.305 χ^2/NDF: 53.3/38

All: -63.168+/-56.214 χ^2/NDF: 98.7/78

- sign -9.505+/-80.747 χ^2/NDF: 44.5/39

asym_sam_15_26_dd_rms vs Slug



Right In: 679.469+/-0.190 χ^2/NDF: 1600922.1/15

Left Out: 341.567+/-0.058 χ^2/NDF:1551046.2/22

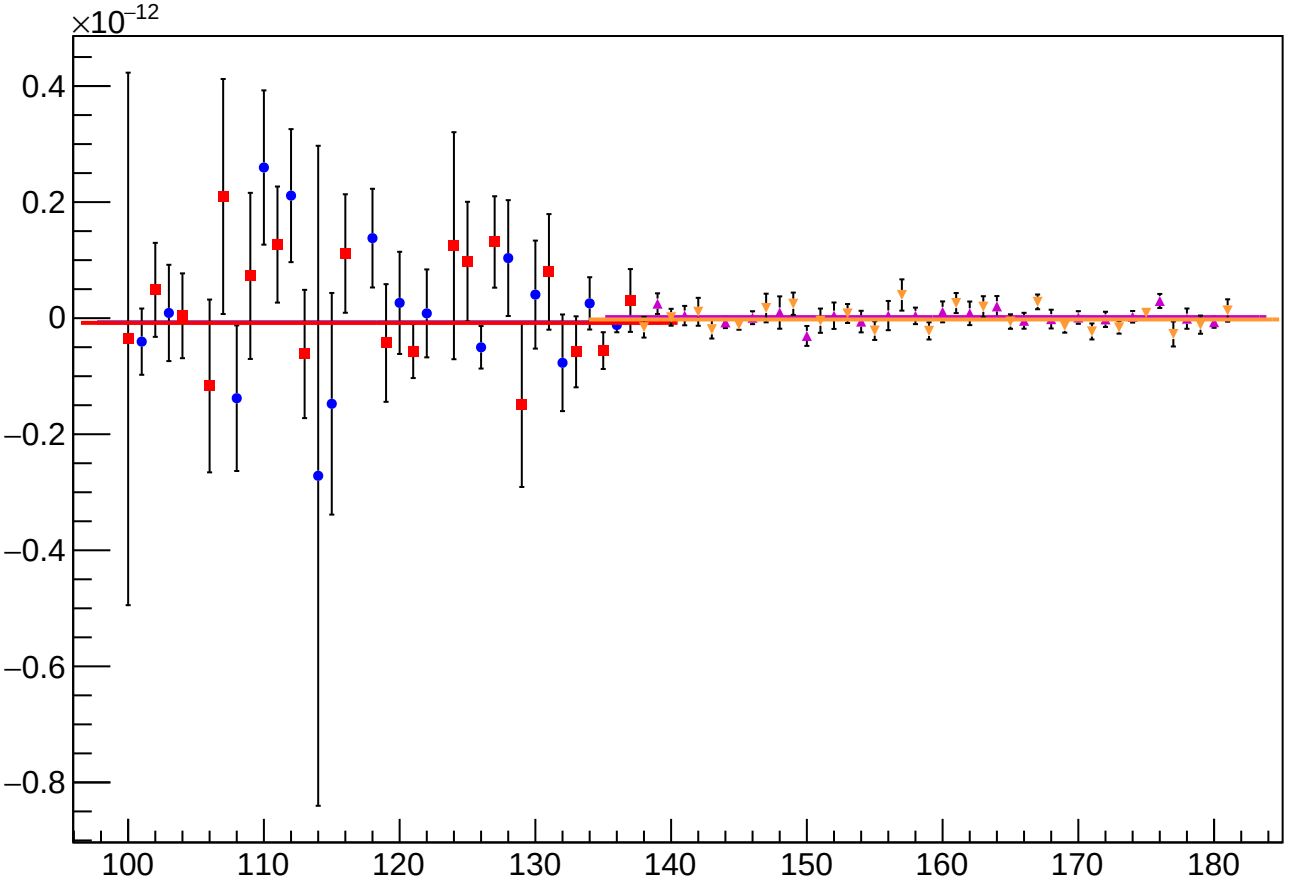
Right Out: 742.081+/-0.202 χ^2/NDF: 1504391.2/18

Left In: 341.917+/-0.060 χ^2/NDF:1175411.9/20

+ sign 370.317+/-0.055 χ^2/NDF: 6051033.0/38

All: 372.025+/-0.040 χ^2/NDF: 12338792.6/78

- sign 373.842+/-0.057 χ^2/NDF: 6285795.7/39



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:30.8/22

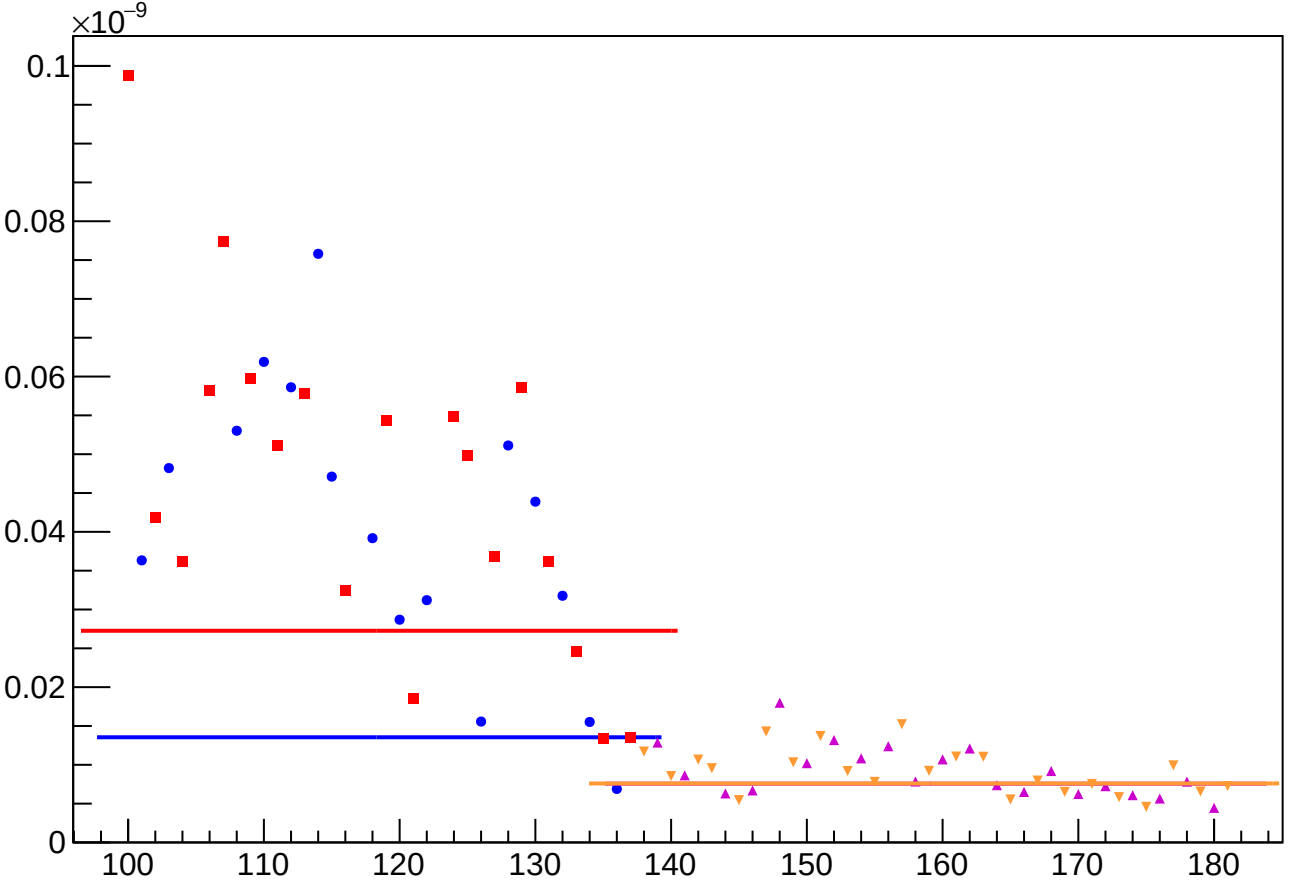
Right Out: -0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: 0.000+/-0.000 χ^2/NDF:14.3/20

+ sign -0.000+/-0.000 χ^2/NDF: 48.2/38

All: -0.000+/-0.000 χ^2/NDF: 80.8/78

- sign 0.000+/-0.000 χ^2/NDF: 31.6/39



Right In: 0.000+/-0.000 χ^2/NDF: 3045220.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1457412.0/22

Right Out: 0.000+/-0.000 χ^2/NDF: 1735739.6/18

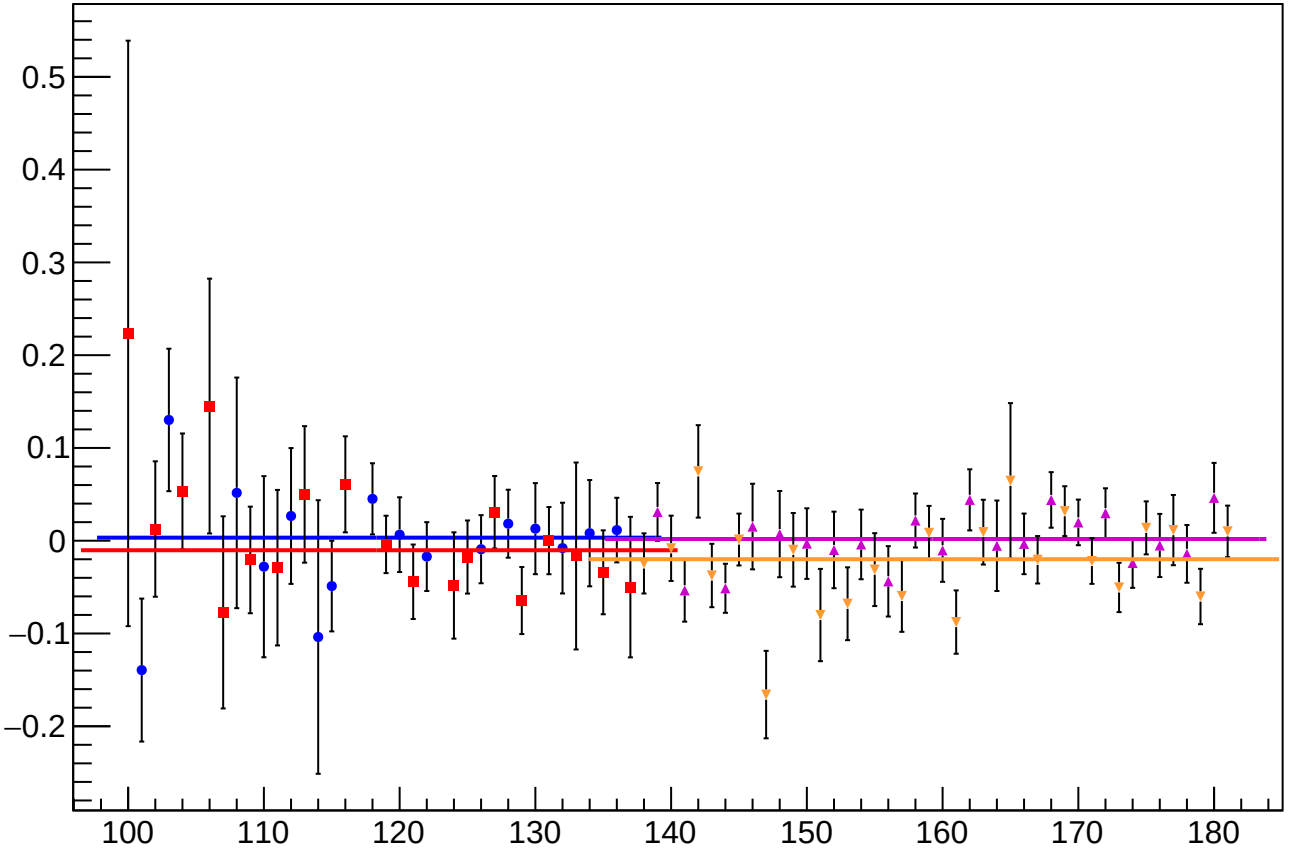
Left In: 0.000+/-0.000 χ^2/NDF:1336585.5/20

+ sign 0.000+/-0.000 χ^2/NDF: 5101171.8/38

All: 0.000+/-0.000 χ^2/NDF: 10681593.2/78

- sign 0.000+/-0.000 χ^2/NDF: 5578324.2/39

asym_sam_15_26_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.020+/-0.007 χ^2/NDF:35.0/22

Right Out: -0.010+/-0.012 χ^2/NDF: 11.2/18

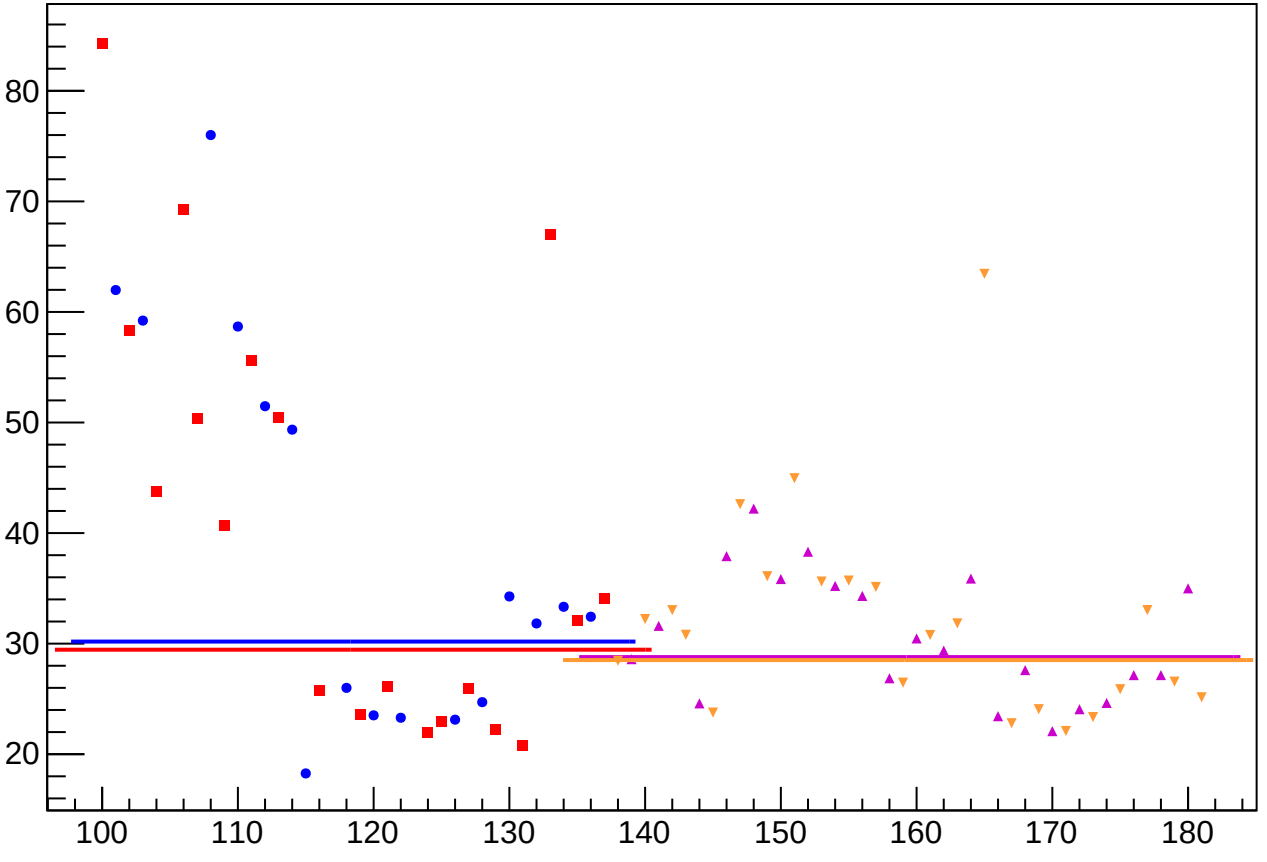
Left In: 0.002+/-0.007 χ^2/NDF:17.8/20

+ sign -0.014+/-0.006 χ^2/NDF: 47.9/38

All: -0.008+/-0.004 χ^2/NDF: 79.9/78

- sign -0.001+/-0.006 χ^2/NDF: 29.8/39

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: 28.514+/-0.005 χ^2/NDF:1600774.8/22

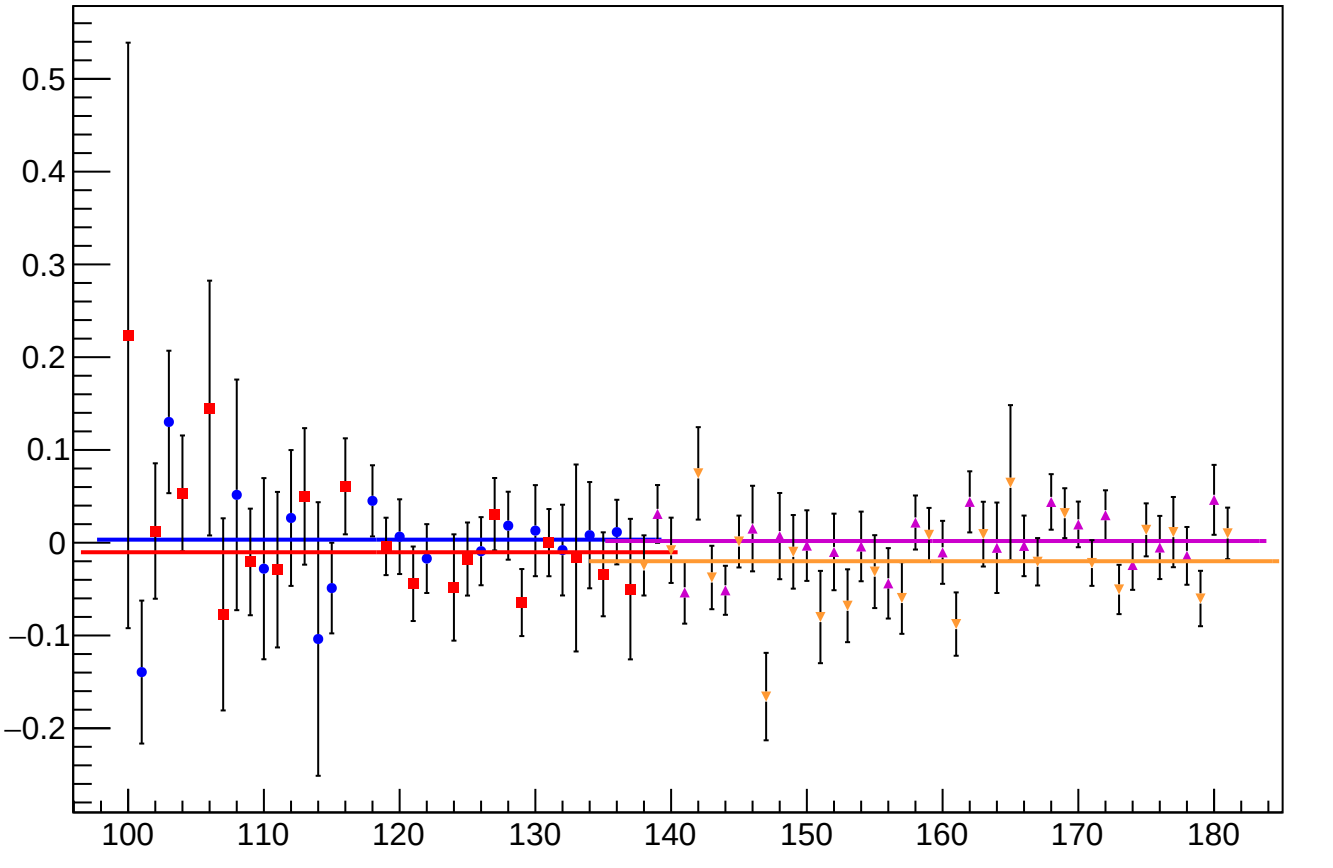
Right Out: 29.451+/-0.008 χ^2/NDF: 1848636.5/18

Left In: 28.784+/-0.005 χ^2/NDF:1022121.2/20

+ sign 28.914+/-0.004 χ^2/NDF: 3316377.8/38

All: 28.938+/-0.003 χ^2/NDF: 6191865.4/78

- sign 28.964+/-0.004 χ^2/NDF: 2875420.6/39



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.020+/-0.007 χ^2/NDF:35.0/22

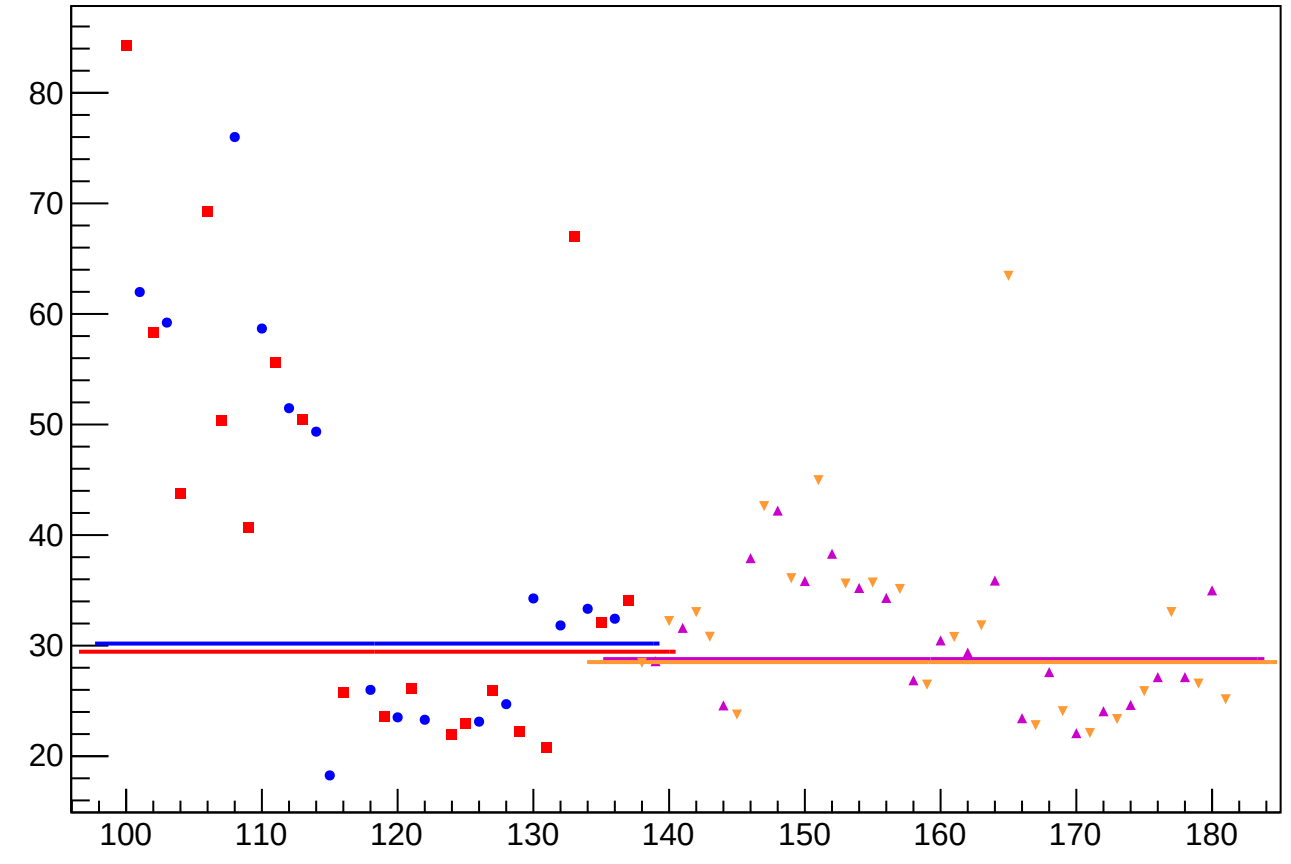
Right Out: -0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: 0.002+/-0.007 χ^2/NDF:17.8/20

+ sign -0.014+/-0.006 χ^2/NDF: 47.9/38

All: -0.008+/-0.004 χ^2/NDF: 79.9/78

- sign -0.001+/-0.006 χ^2/NDF: 29.8/39



Right In: 30.187+/-0.009 χ^2/NDF: 1687373.5/15

Left Out: 28.514+/-0.005 χ^2/NDF:1600774.8/22

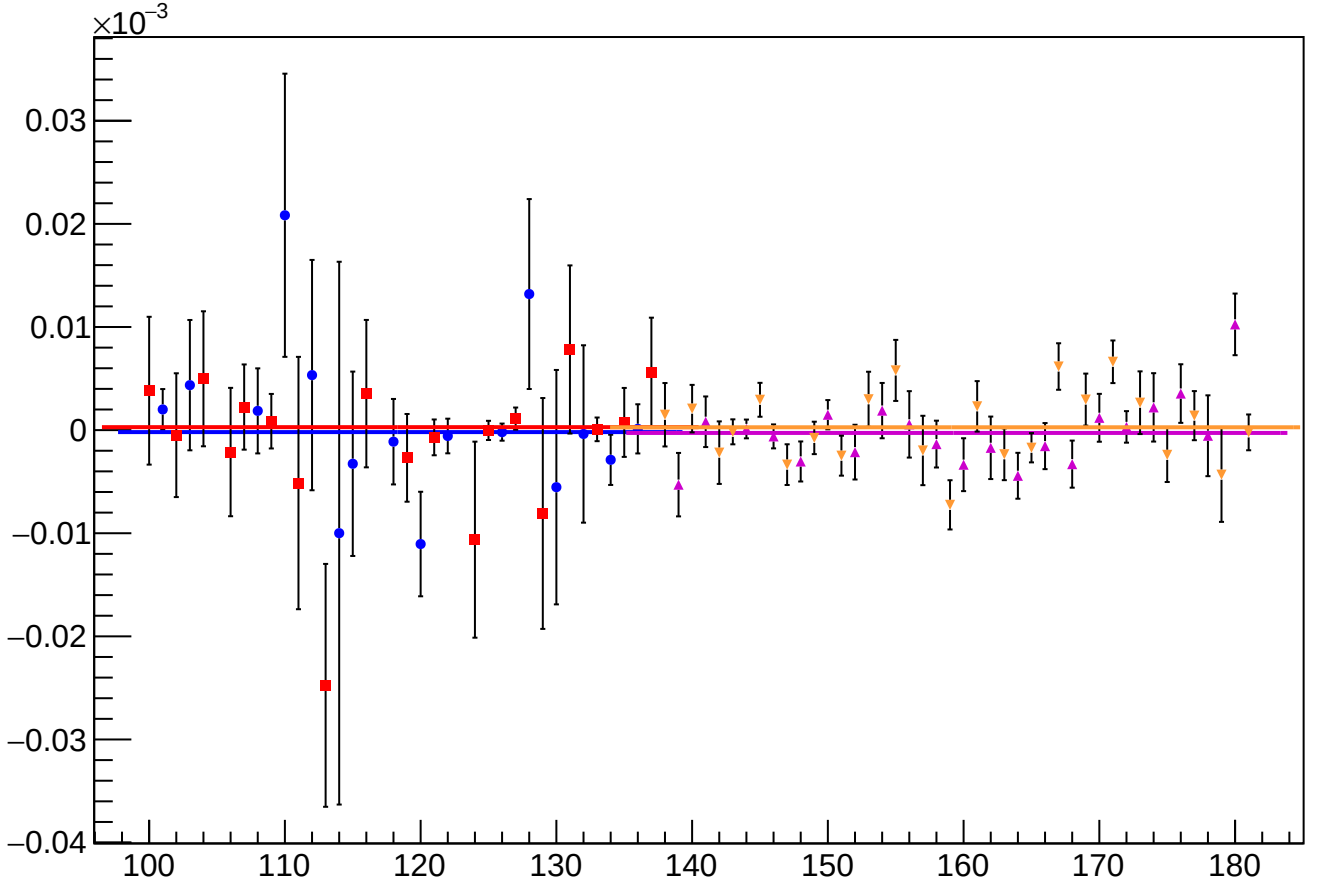
Right Out: 29.451+/-0.008 χ^2/NDF: 1848636.5/18

Left In: 28.784+/-0.005 χ^2/NDF:1022121.2/20

+ sign 28.914+/-0.004 χ^2/NDF: 3316377.8/38

All: 28.938+/-0.003 χ^2/NDF: 6191865.4/78

- sign 28.964+/-0.004 χ^2/NDF: 2875420.6/39



Right In: -0.000+/-0.000 χ^2/NDF: 13.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:49.0/22

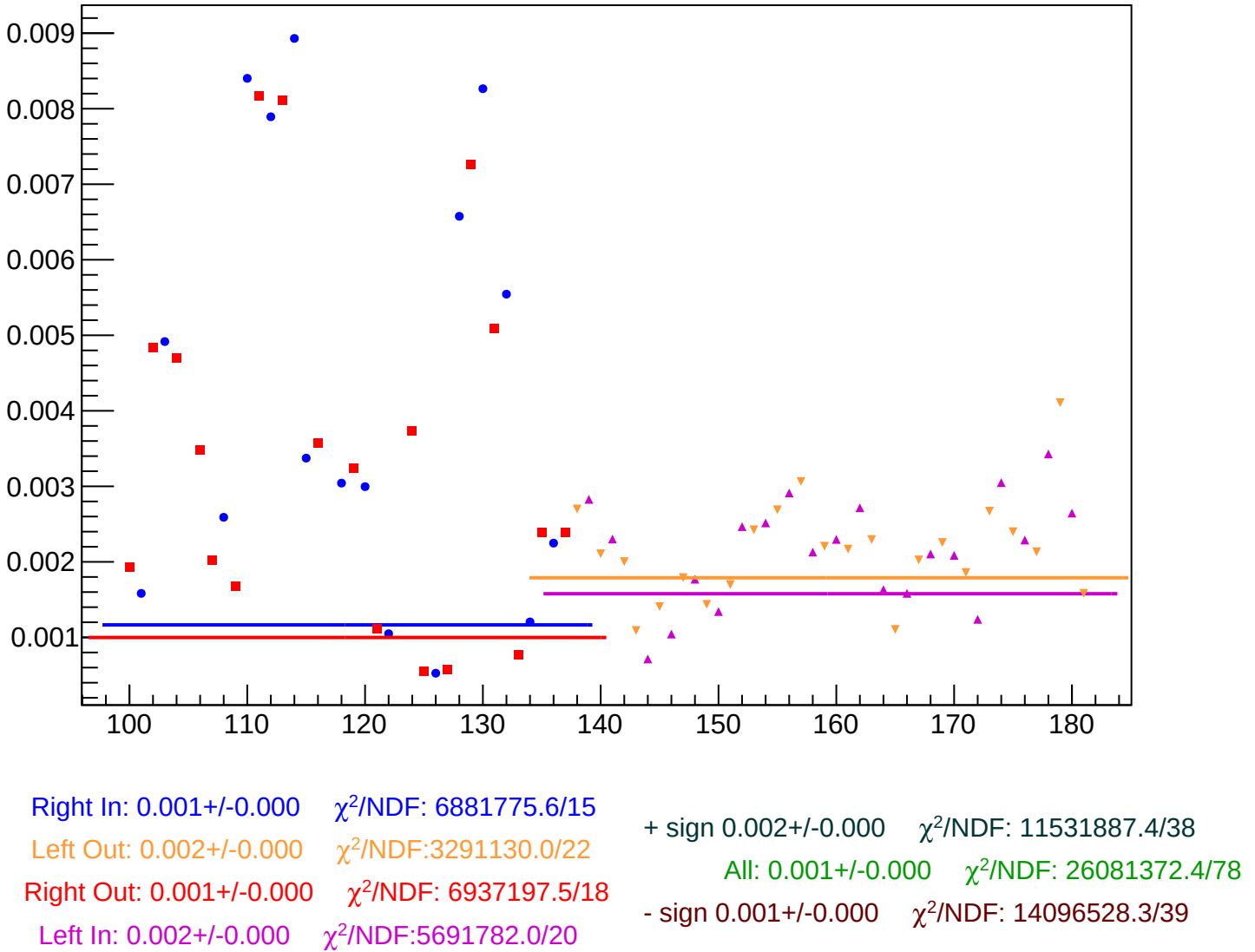
Right Out: 0.000+/-0.000 χ^2/NDF: 11.4/18

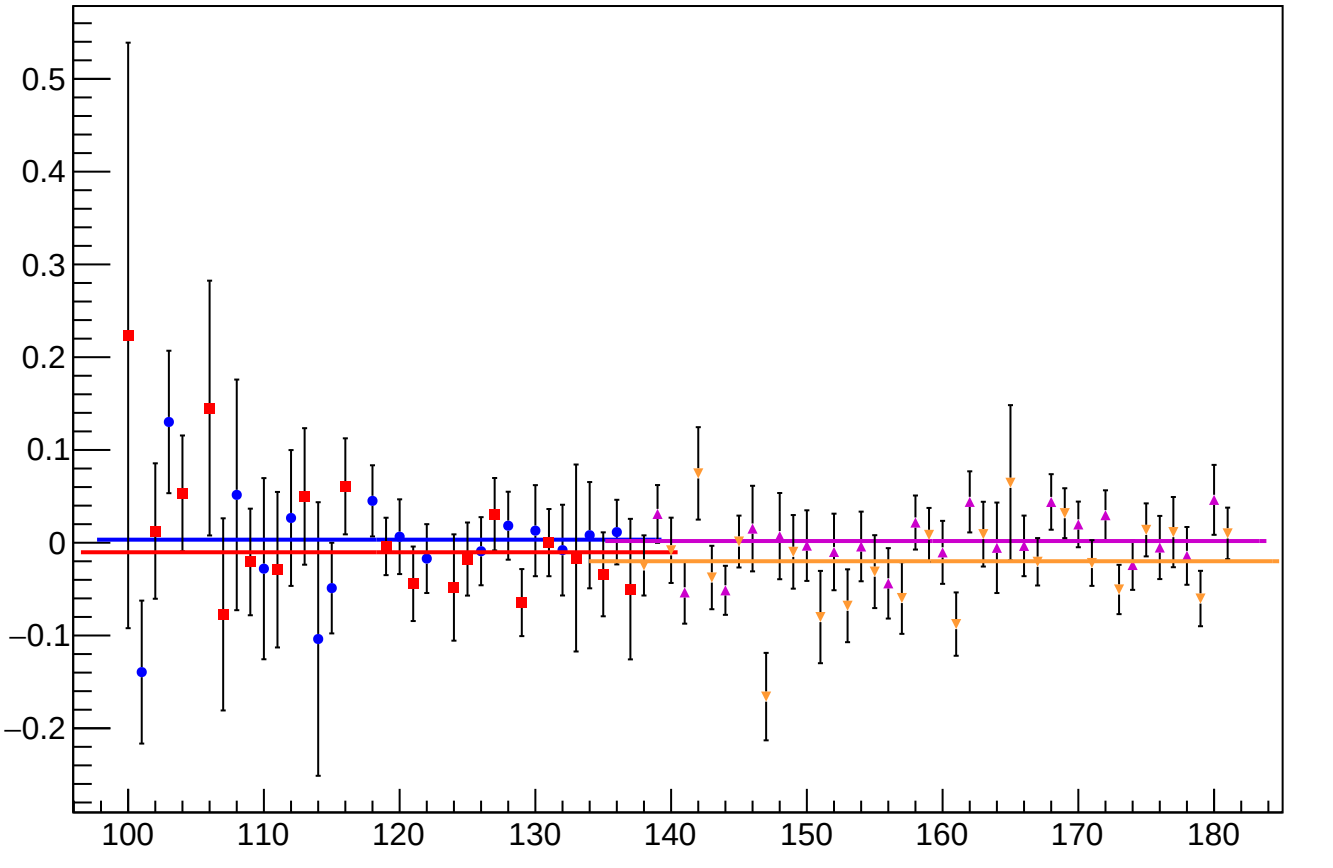
Left In: -0.000+/-0.000 χ^2/NDF:30.7/20

+ sign 0.000+/-0.000 χ^2/NDF: 62.5/38

All: 0.000+/-0.000 χ^2/NDF: 105.4/78

- sign -0.000+/-0.000 χ^2/NDF: 42.8/39


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:3291130.0/22
Right Out: 0.001+/-0.000 χ²/NDF: 6937197.5/18
Left In: 0.002+/-0.000 χ²/NDF:5691782.0/20
+ sign 0.002+/-0.000 χ²/NDF: 11531887.4/38
All: 0.001+/-0.000 χ²/NDF: 26081372.4/78
- sign 0.001+/-0.000 χ²/NDF: 14096528.3/39



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.020+/-0.007 χ^2/NDF:35.0/22

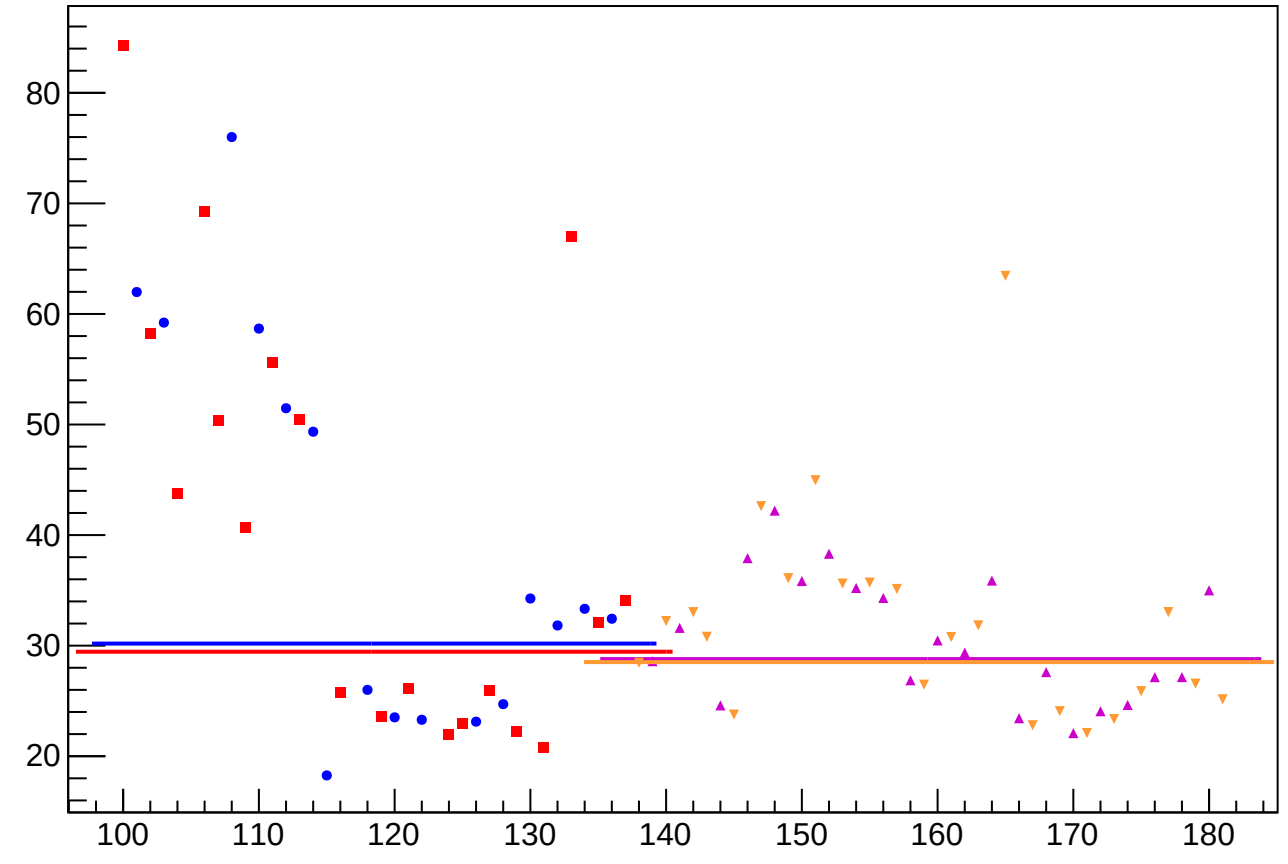
Right Out: -0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: 0.002+/-0.007 χ^2/NDF:17.8/20

+ sign -0.014+/-0.006 χ^2/NDF: 47.9/38

All: -0.008+/-0.004 χ^2/NDF: 79.9/78

- sign -0.001+/-0.006 χ^2/NDF: 29.8/39



Right In: 30.187+/-0.009 χ^2/NDF: 1687188.2/15

Left Out: 28.514+/-0.005 χ^2/NDF:1600748.1/22

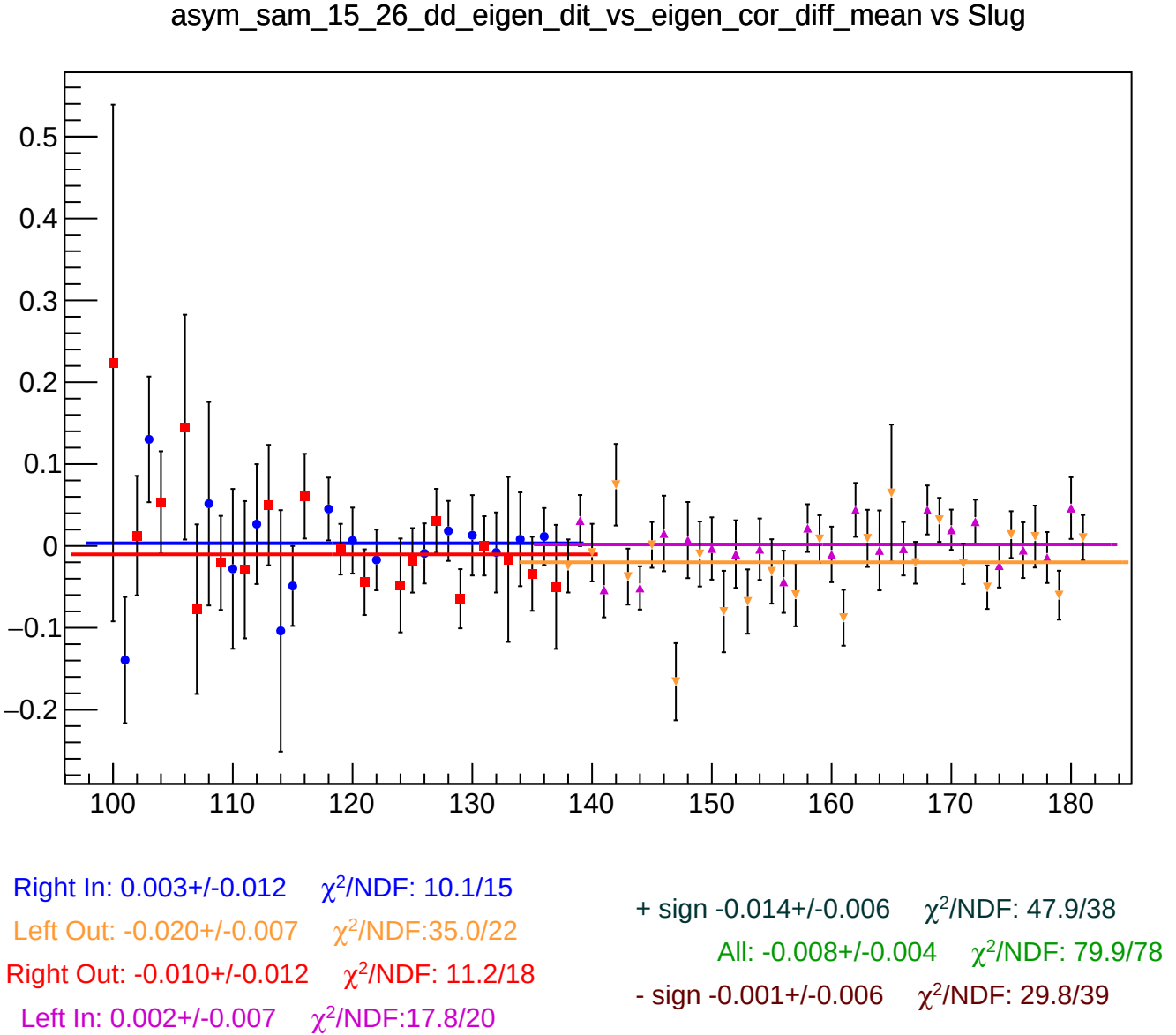
Right Out: 29.451+/-0.008 χ^2/NDF: 1848632.6/18

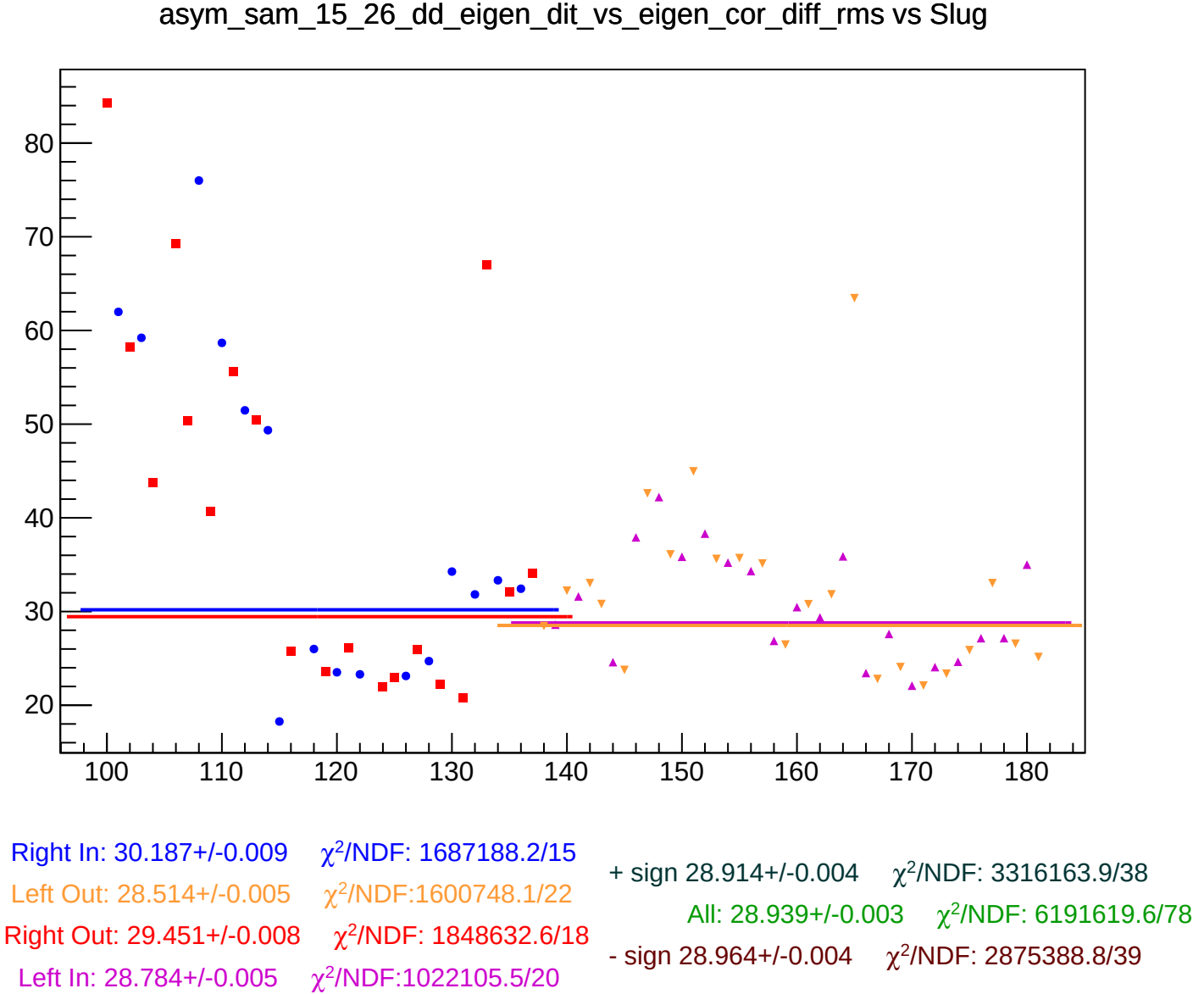
Left In: 28.784+/-0.005 χ^2/NDF:1022105.5/20

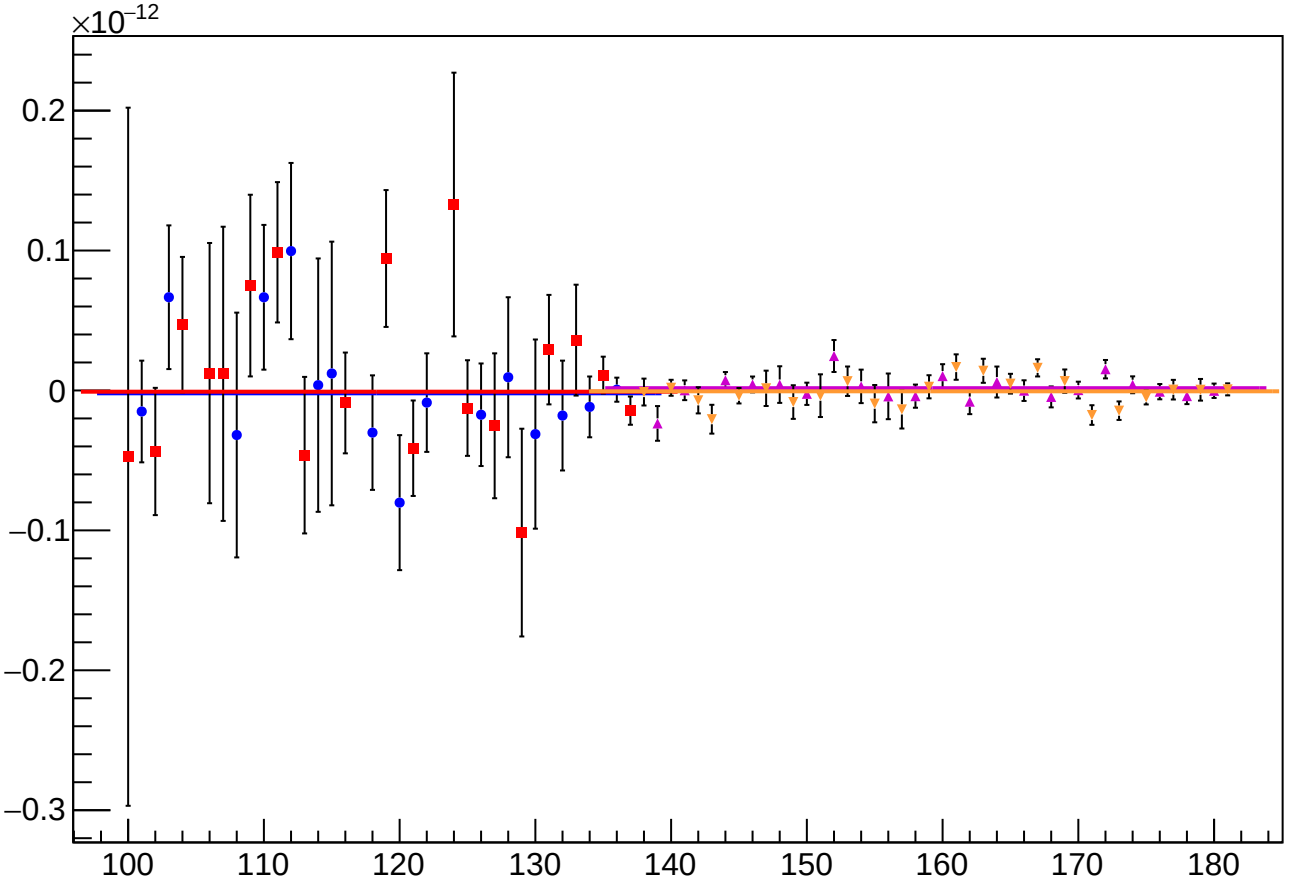
+ sign 28.914+/-0.004 χ^2/NDF: 3316163.9/38

All: 28.939+/-0.003 χ^2/NDF: 6191619.6/78

- sign 28.964+/-0.004 χ^2/NDF: 2875388.8/39


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: -0.020+/-0.007 χ²/NDF:35.0/22
Right Out: -0.010+/-0.012 χ²/NDF: 11.2/18
Left In: 0.002+/-0.007 χ²/NDF:17.8/20
+ sign -0.014+/-0.006 χ²/NDF: 47.9/38
All: -0.008+/-0.004 χ²/NDF: 79.9/78
- sign -0.001+/-0.006 χ²/NDF: 29.8/39


asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
80
70
60
50
40
30
20
100
110
120
130
140
150
160
170
180
Right In: 30.187+/-0.009 χ²/NDF: 1687188.2/15
Left Out: 28.514+/-0.005 χ²/NDF:1600748.1/22
Right Out: 29.451+/-0.008 χ²/NDF: 1848632.6/18
Left In: 28.784+/-0.005 χ²/NDF:1022105.5/20
+ sign 28.914+/-0.004 χ²/NDF: 3316163.9/38
All: 28.939+/-0.003 χ²/NDF: 6191619.6/78
- sign 28.964+/-0.004 χ²/NDF: 2875388.8/39



Right In: -0.000+/-0.000 χ^2/NDF: 10.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:33.6/22

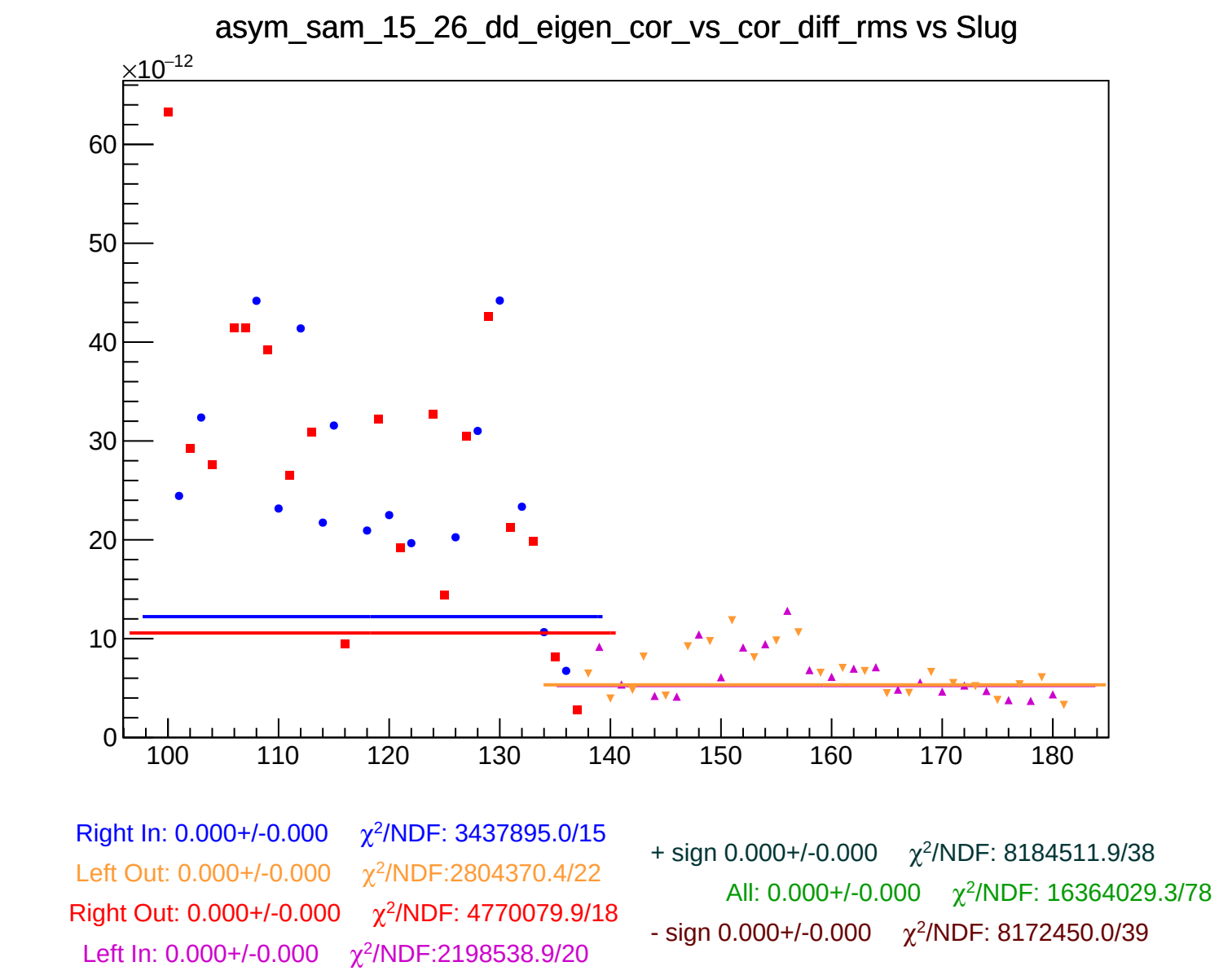
Right Out: -0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: 0.000+/-0.000 χ^2/NDF:19.2/20

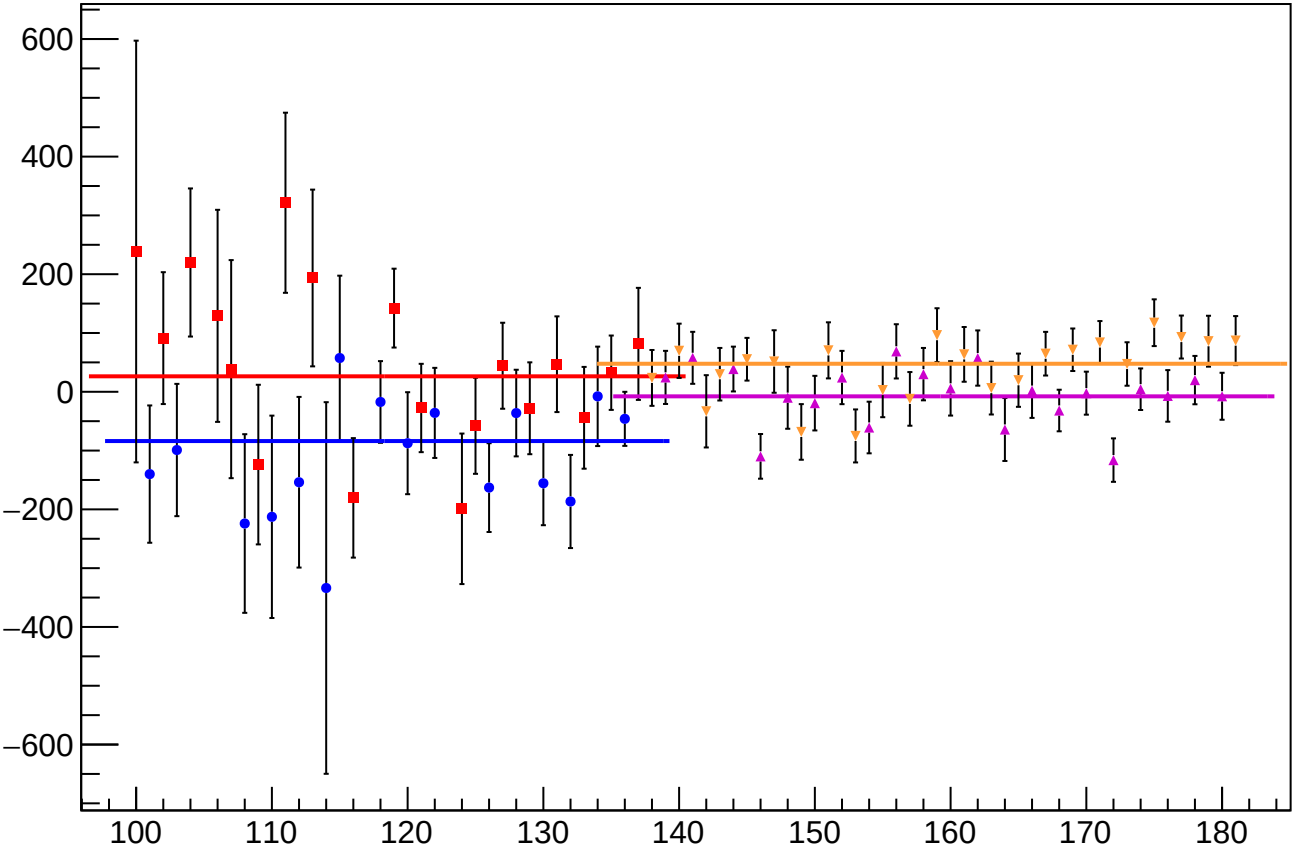
+ sign -0.000+/-0.000 χ^2/NDF: 44.0/38

All: 0.000+/-0.000 χ^2/NDF: 85.7/78

- sign 0.000+/-0.000 χ^2/NDF: 40.7/39


asym_sam_15_26_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: 3437895.0/15
Left Out: 0.000+/-0.000 χ²/NDF:2804370.4/22
Right Out: 0.000+/-0.000 χ²/NDF: 4770079.9/18
Left In: 0.000+/-0.000 χ²/NDF:2198538.9/20
+ sign 0.000+/-0.000 χ²/NDF: 8184511.9/38
All: 0.000+/-0.000 χ²/NDF: 16364029.3/78
- sign 0.000+/-0.000 χ²/NDF: 8172450.0/39

reg_asym_sam_37_26_dd_mean vs Slug



Right In: -83.808+/-21.434 χ^2/NDF: 10.5/15

Left Out: 47.674+/-8.942 χ^2/NDF:29.2/22

Right Out: 26.301+/-22.067 χ^2/NDF: 23.0/18

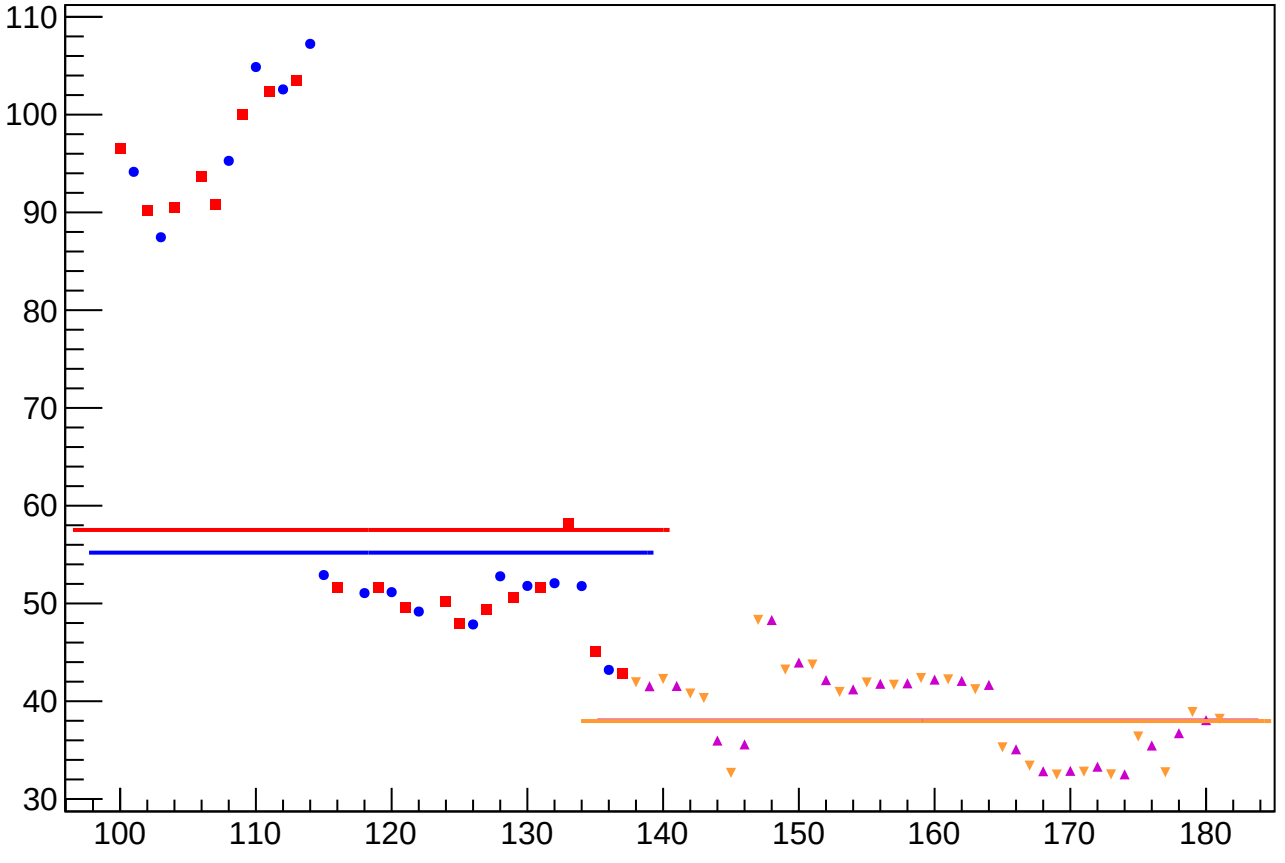
Left In: -7.755+/-9.231 χ^2/NDF:29.7/20

+ sign 28.182+/-8.253 χ^2/NDF: 71.7/38

All: 13.233+/-5.926 χ^2/NDF: 133.2/78

- sign -2.684+/-8.516 χ^2/NDF: 54.7/39

reg_asym_sam_37_26_dd_rms vs Slug



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.1/15

Left Out: 37.974+/-0.006 χ^2/NDF:508211.7/22

Right Out: 57.519+/-0.016 χ^2/NDF: 1281793.1/18

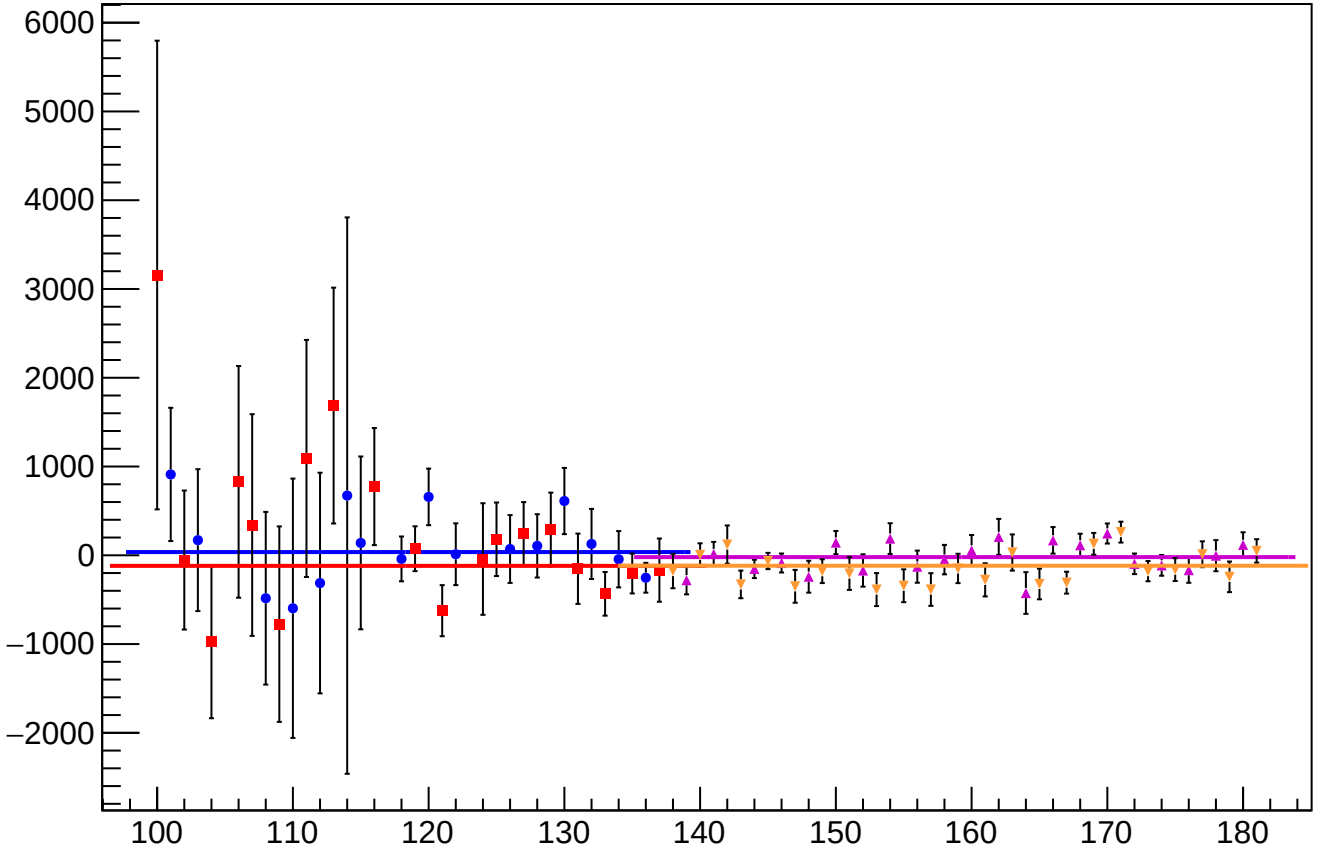
Left In: 38.026+/-0.007 χ^2/NDF:423395.6/20

+ sign 40.527+/-0.006 χ^2/NDF: 2760784.2/38

All: 40.722+/-0.004 χ^2/NDF: 5796546.2/78

- sign 40.929+/-0.006 χ^2/NDF: 3033466.8/39

asym_sam_37_26_dd_reg_correction_mean vs Slug



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -117.746+/-30.545 χ^2/NDF:34.9/22

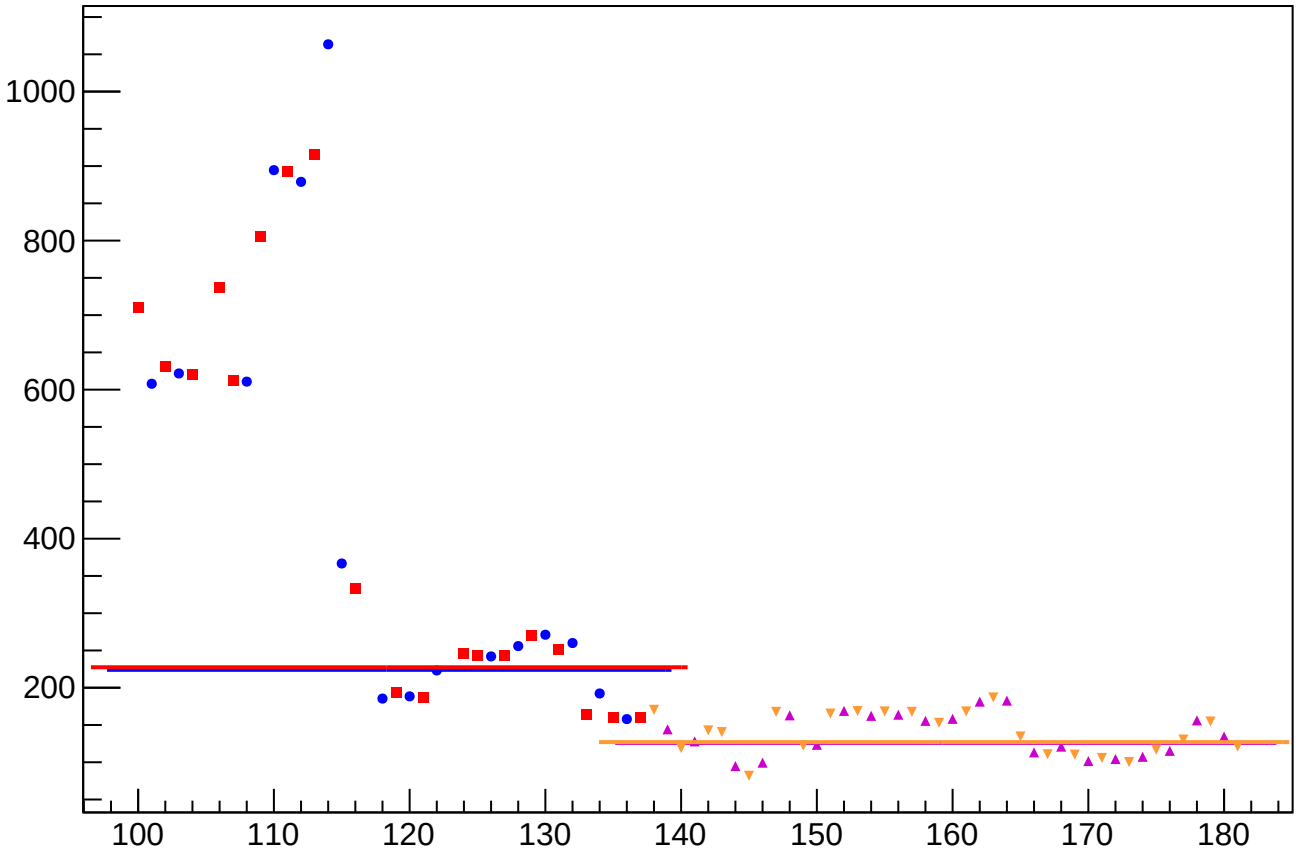
Right Out: -119.166+/-95.833 χ^2/NDF: 16.0/18

Left In: -20.541+/-31.145 χ^2/NDF:26.0/20

+ sign -102.906+/-29.037 χ^2/NDF: 48.7/38

All: -67.159+/-20.735 χ^2/NDF: 94.8/78

- sign -29.962+/-29.620 χ^2/NDF: 43.0/39



Right In: 224.042+/-0.066 χ^2/NDF: 2968054.7/15

Left Out: 127.022+/-0.022 χ^2/NDF:1738855.4/22

Right Out: 227.451+/-0.068 χ^2/NDF: 3640634.3/18

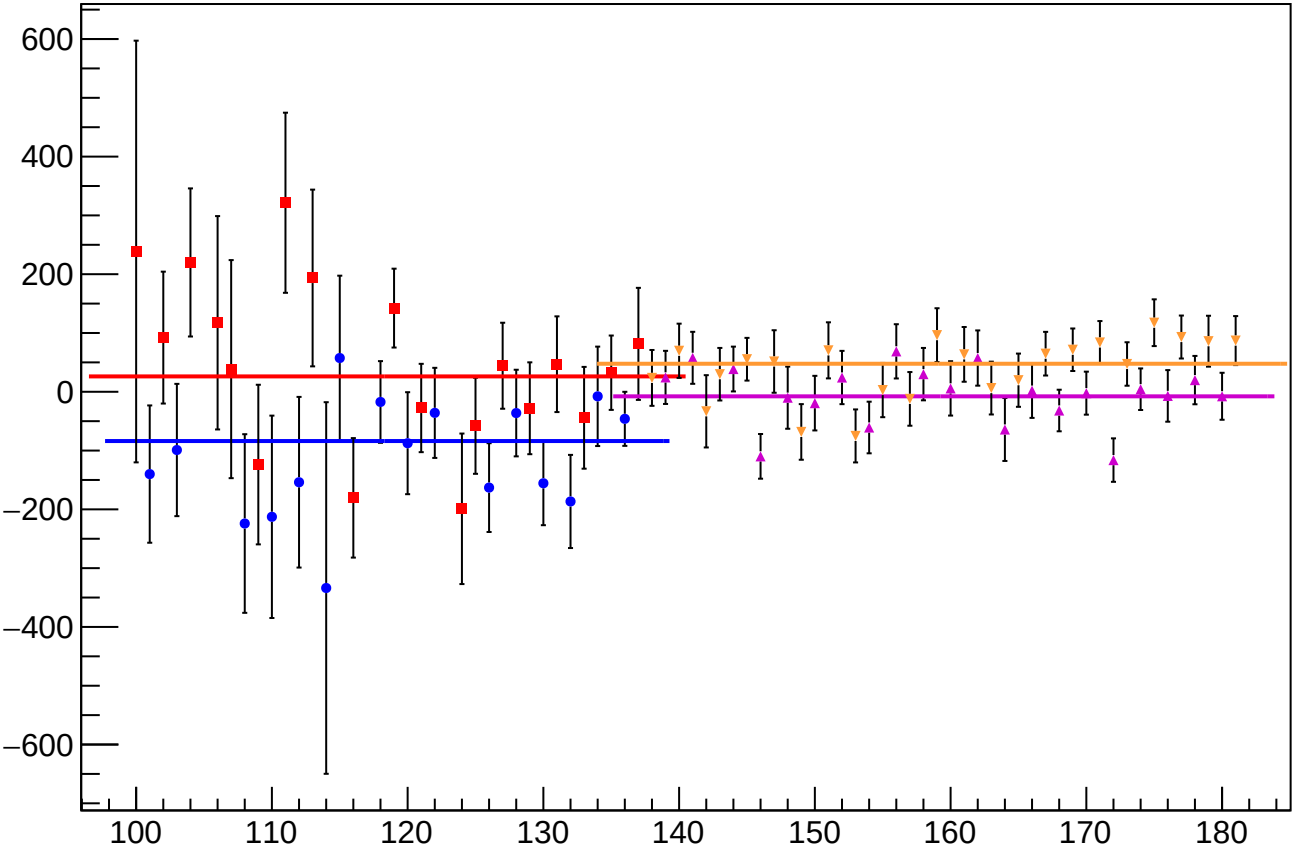
Left In: 125.908+/-0.022 χ^2/NDF:1410188.9/20

+ sign 136.366+/-0.021 χ^2/NDF: 6650313.2/38

All: 135.995+/-0.015 χ^2/NDF: 13732716.1/78

- sign 135.608+/-0.021 χ^2/NDF: 7081734.9/39

cor_asym_sam_37_26_dd_mean vs Slug



Right In: -83.805+/-21.434 χ^2/NDF: 10.5/15

Left Out: 47.675+/-8.942 χ^2/NDF:29.2/22

Right Out: 26.142+/-22.069 χ^2/NDF: 22.9/18

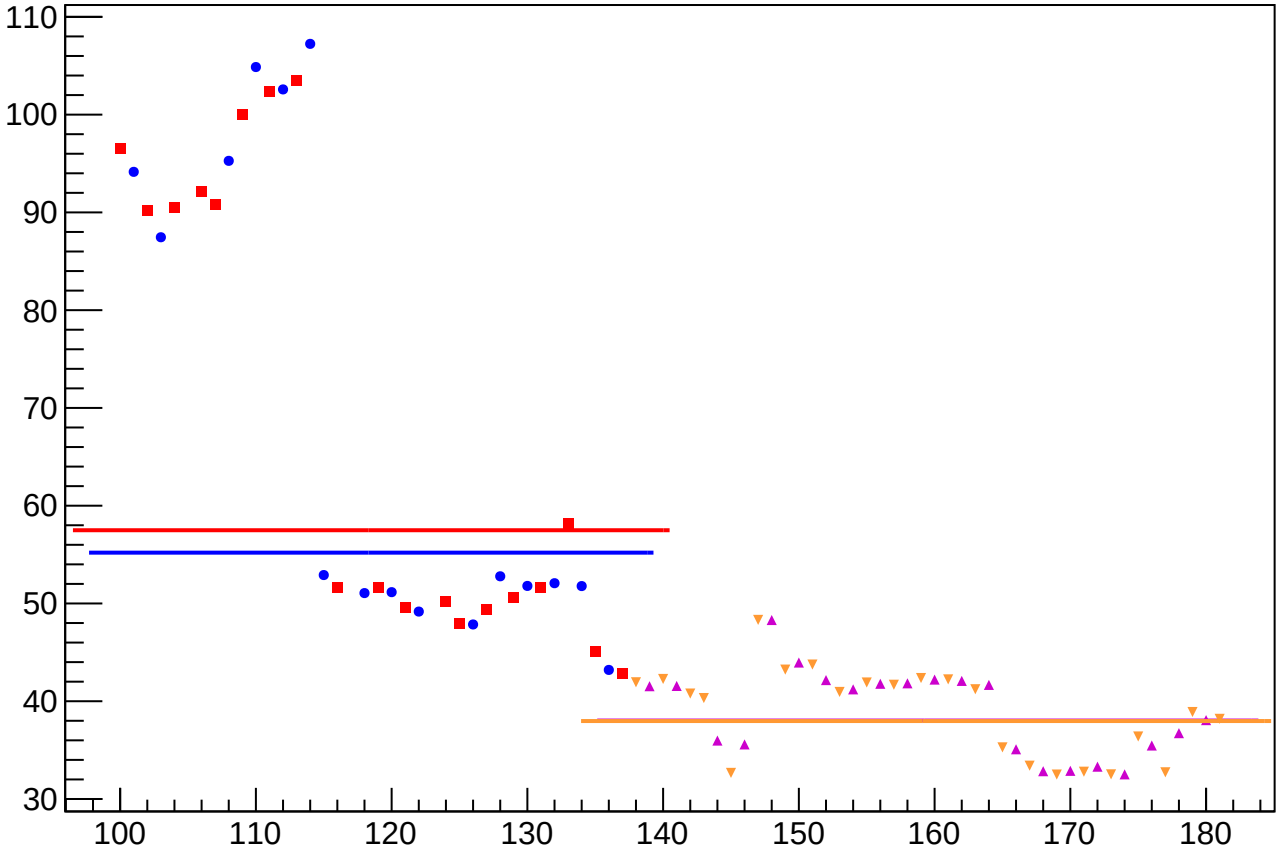
Left In: -7.756+/-9.231 χ^2/NDF:29.7/20

+ sign 28.183+/-8.253 χ^2/NDF: 71.7/38

All: 13.221+/-5.926 χ^2/NDF: 133.2/78

- sign -2.709+/-8.516 χ^2/NDF: 54.6/39

cor_asym_sam_37_26_dd_rms vs Slug



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.3/15

Left Out: 37.974+/-0.006 χ^2/NDF:508211.7/22

Right Out: 57.490+/-0.016 χ^2/NDF: 1274387.3/18

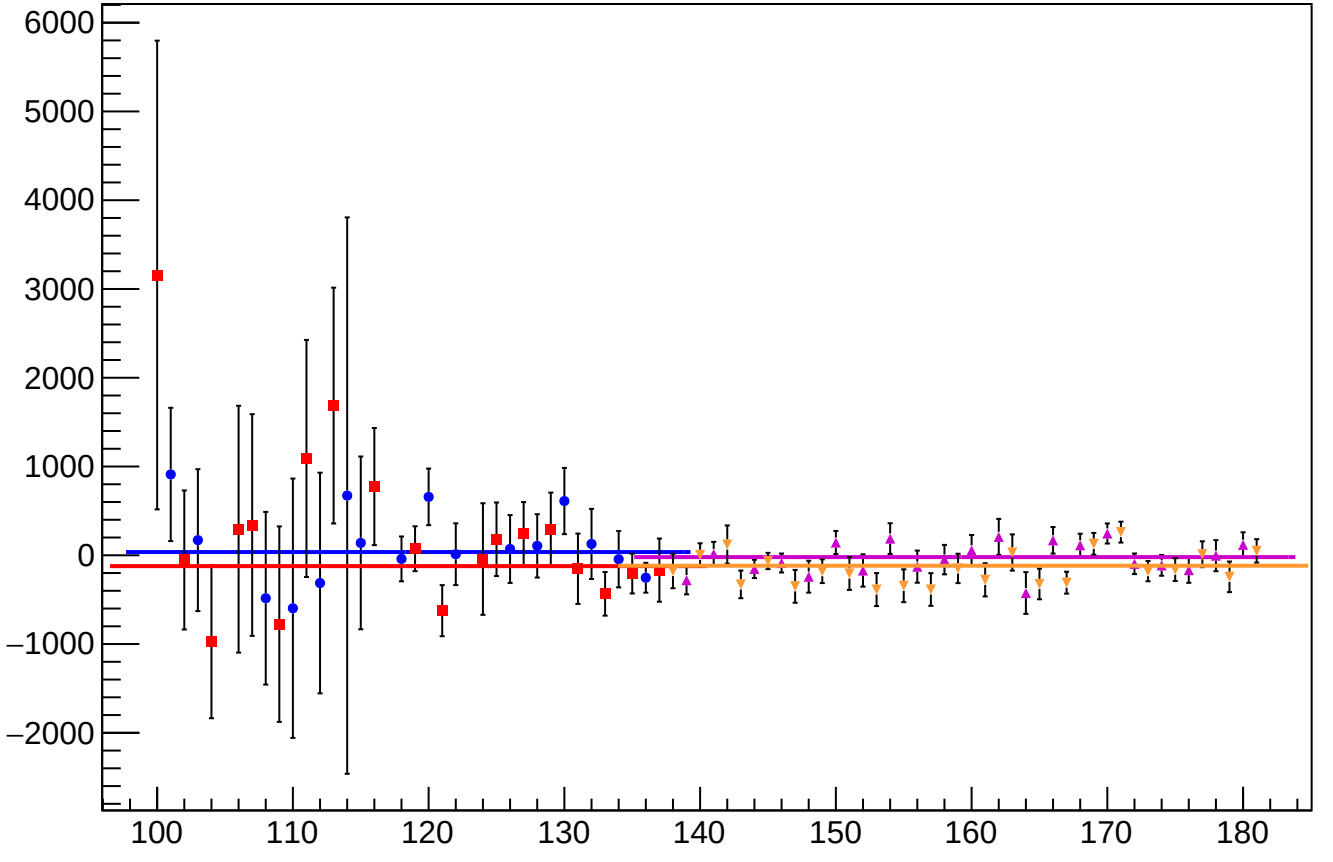
Left In: 38.026+/-0.007 χ^2/NDF:423395.5/20

+ sign 40.527+/-0.006 χ^2/NDF: 2760784.5/38

All: 40.719+/-0.004 χ^2/NDF: 5784937.6/78

- sign 40.924+/-0.006 χ^2/NDF: 3021912.3/39

asym_sam_37_26_dd_cor_correction_mean vs Slug



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -117.747+/-30.545 χ^2/NDF:34.9/22

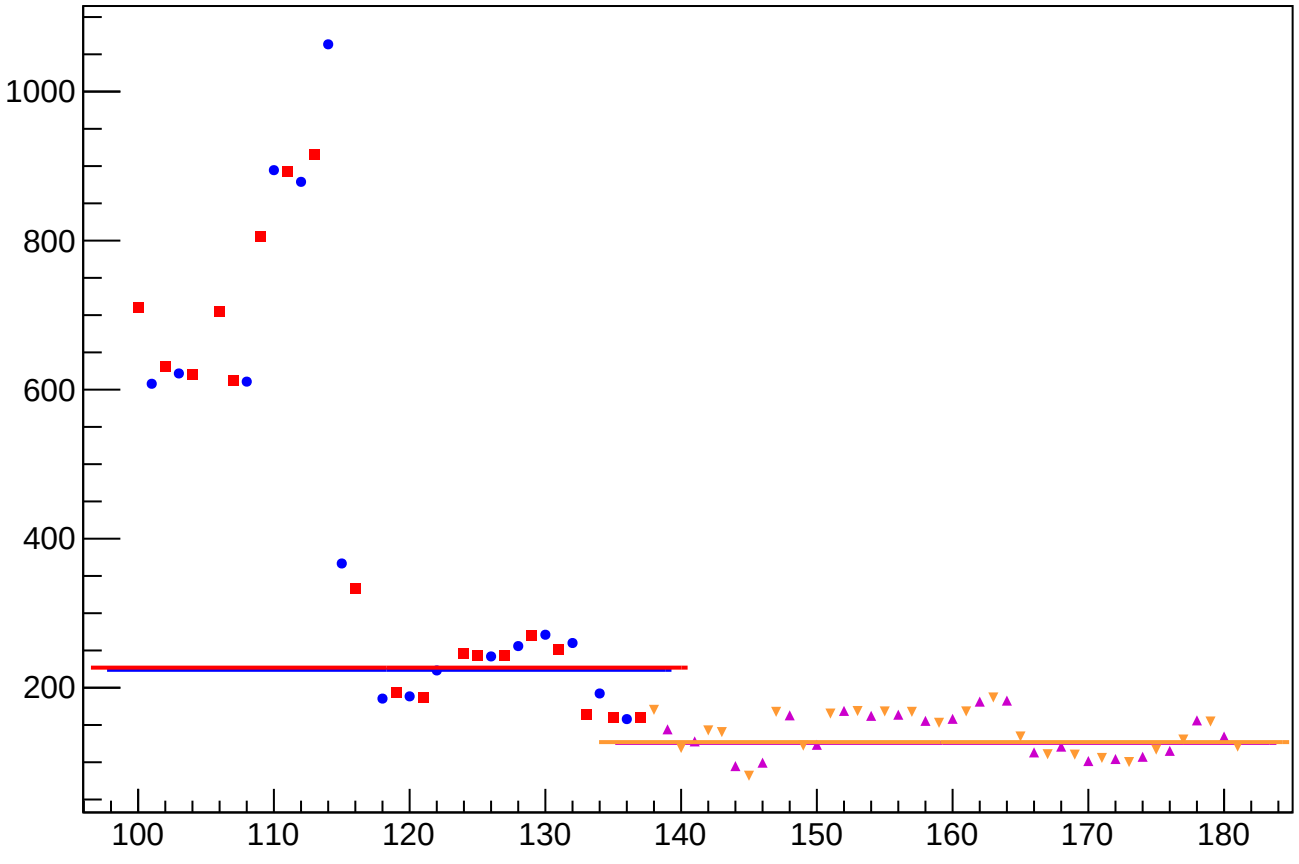
Right Out: -122.289+/-95.865 χ^2/NDF: 15.6/18

Left In: -20.541+/-31.145 χ^2/NDF:26.0/20

+ sign -102.907+/-29.037 χ^2/NDF: 48.7/38

All: -67.304+/-20.736 χ^2/NDF: 94.4/78

- sign -30.255+/-29.621 χ^2/NDF: 42.6/39



Right In: 224.042+/-0.066 χ^2/NDF: 2968059.8/15

Left Out: 127.022+/-0.022 χ^2/NDF:1738851.7/22

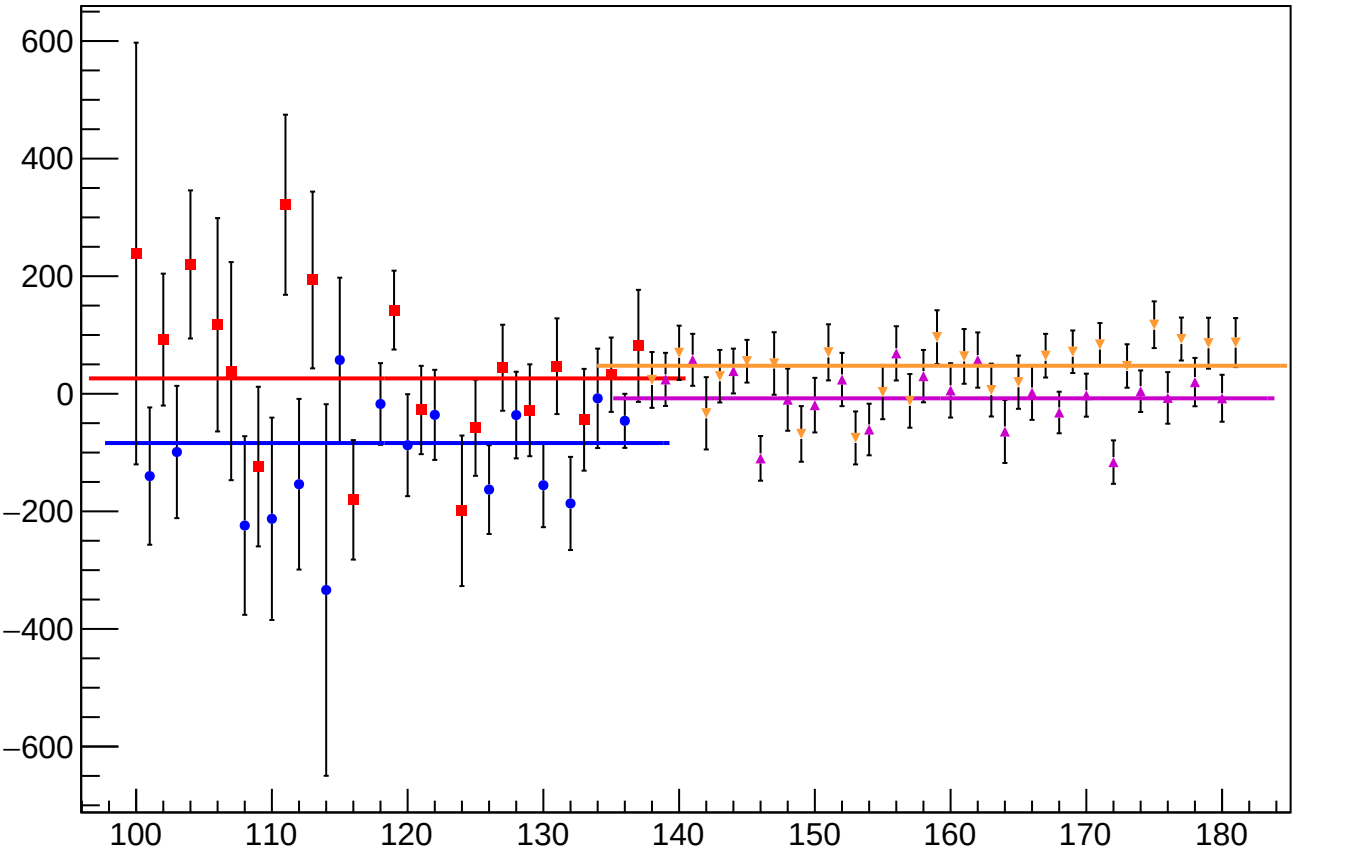
Right Out: 226.971+/-0.068 χ^2/NDF: 3571946.9/18

Left In: 125.908+/-0.022 χ^2/NDF:1410197.3/20

+ sign 136.366+/-0.021 χ^2/NDF: 6650317.2/38

All: 135.969+/-0.015 χ^2/NDF: 13643800.7/78

- sign 135.556+/-0.021 χ^2/NDF: 6992721.4/39



Right In: -83.805+/-21.434 χ^2/NDF: 10.5/15

Left Out: 47.675+/-8.942 χ^2/NDF:29.2/22

Right Out: 26.142+/-22.069 χ^2/NDF: 22.9/18

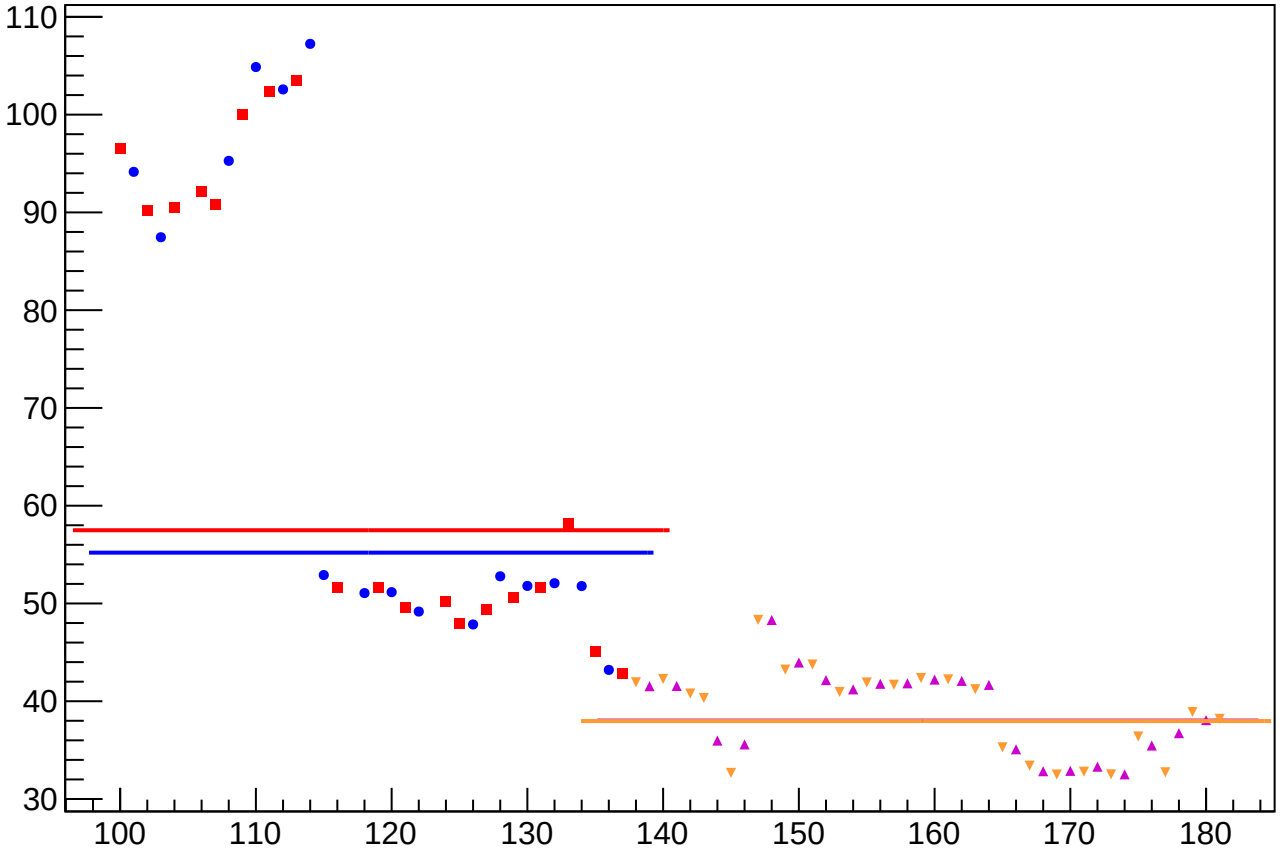
Left In: -7.756+/-9.231 χ^2/NDF:29.7/20

+ sign 28.183+/-8.253 χ^2/NDF: 71.7/38

All: 13.221+/-5.926 χ^2/NDF: 133.2/78

- sign -2.709+/-8.516 χ^2/NDF: 54.6/39

eigen_cor_asym_sam_37_26_dd_rms vs Slug



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.3/15

Left Out: 37.974+/-0.006 χ^2/NDF:508211.7/22

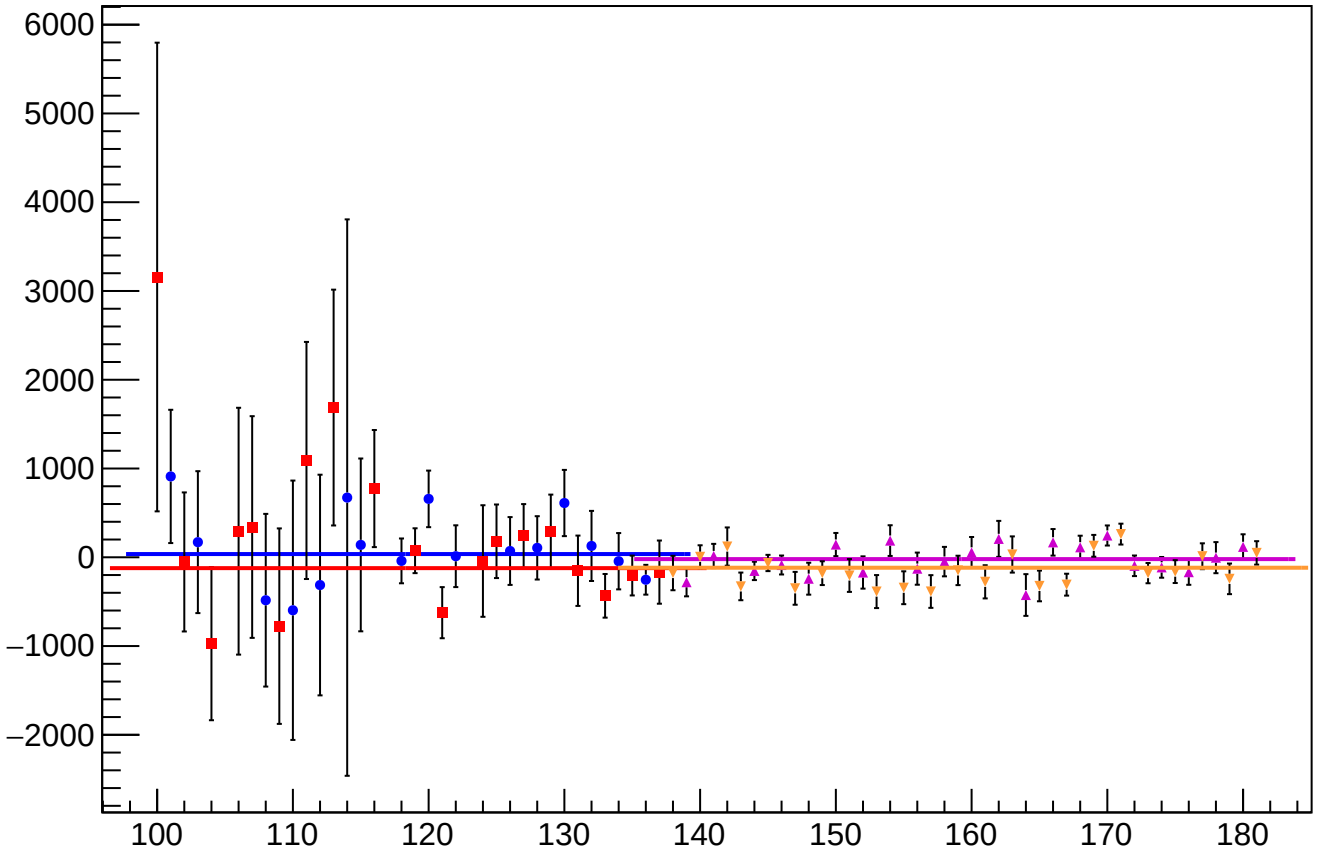
Right Out: 57.490+/-0.016 χ^2/NDF: 1274387.3/18

Left In: 38.026+/-0.007 χ^2/NDF:423395.5/20

+ sign 40.527+/-0.006 χ^2/NDF: 2760784.5/38

All: 40.719+/-0.004 χ^2/NDF: 5784937.6/78

- sign 40.924+/-0.006 χ^2/NDF: 3021912.3/39



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -117.747+/-30.545 χ^2/NDF:34.9/22

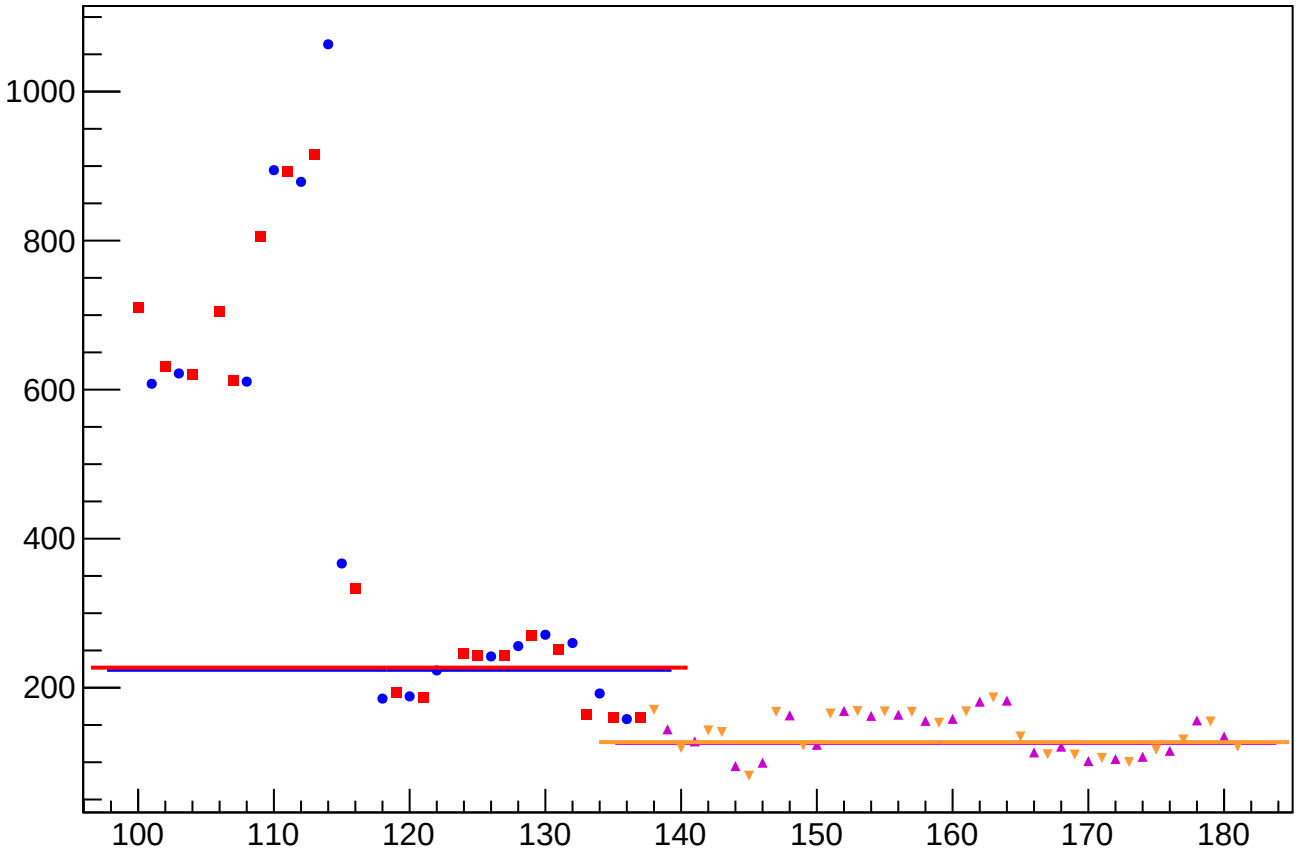
Right Out: -122.289+/-95.865 χ^2/NDF: 15.6/18

Left In: -20.541+/-31.145 χ^2/NDF:26.0/20

+ sign -102.907+/-29.037 χ^2/NDF: 48.7/38

All: -67.304+/-20.736 χ^2/NDF: 94.4/78

- sign -30.255+/-29.621 χ^2/NDF: 42.6/39



Right In: 224.042+/-0.066 χ^2/NDF: 2968059.8/15

Left Out: 127.022+/-0.022 χ^2/NDF:1738851.7/22

Right Out: 226.971+/-0.068 χ^2/NDF: 3571946.9/18

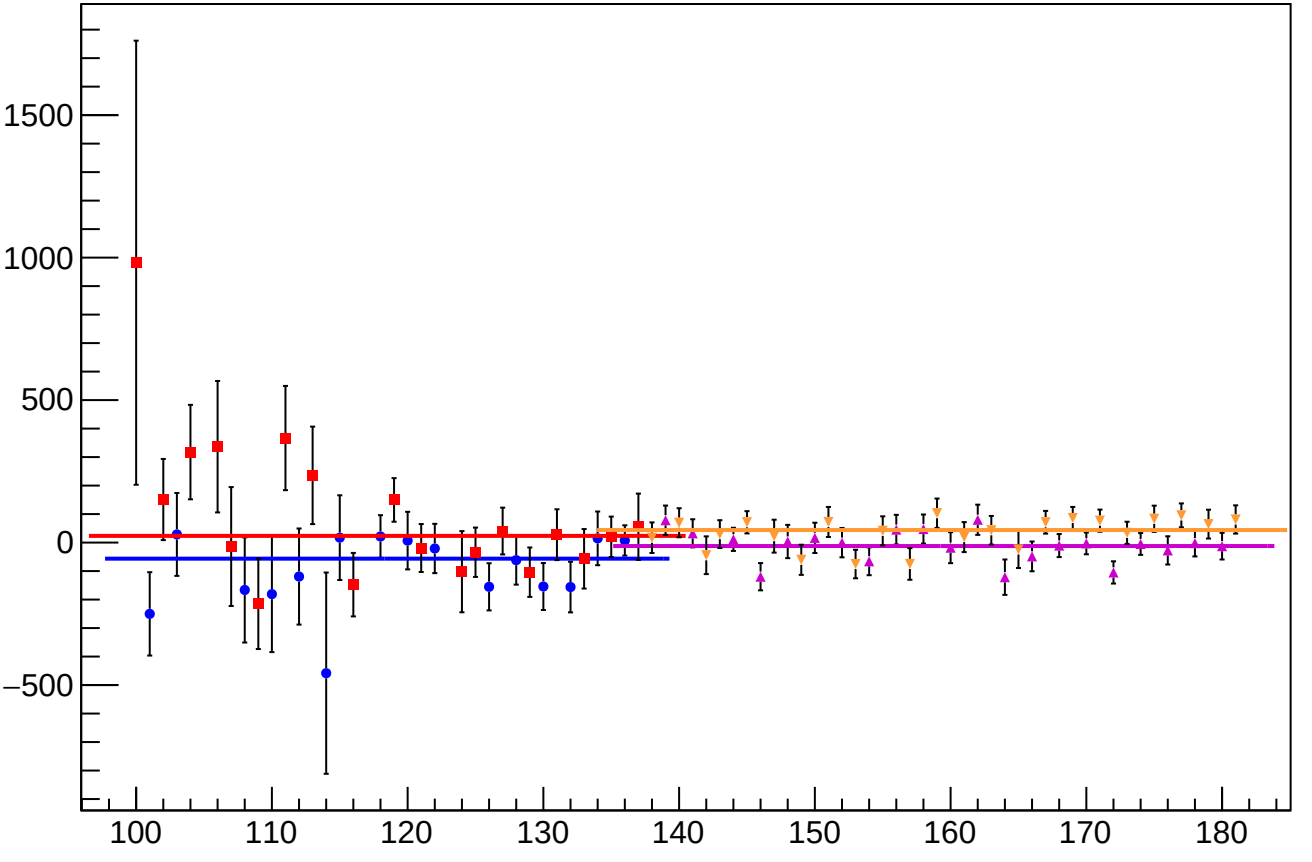
Left In: 125.908+/-0.022 χ^2/NDF:1410197.3/20

+ sign 136.366+/-0.021 χ^2/NDF: 6650317.2/38

All: 135.969+/-0.015 χ^2/NDF: 13643800.7/78

- sign 135.556+/-0.021 χ^2/NDF: 6992721.4/39

dit_asym_sam_37_26_dd_mean vs Slug



Right In: -56.414+/-24.489 χ^2/NDF: 12.3/15

Left Out: 43.965+/-10.011 χ^2/NDF:25.5/22

Right Out: 23.495+/-25.161 χ^2/NDF: 24.1/18

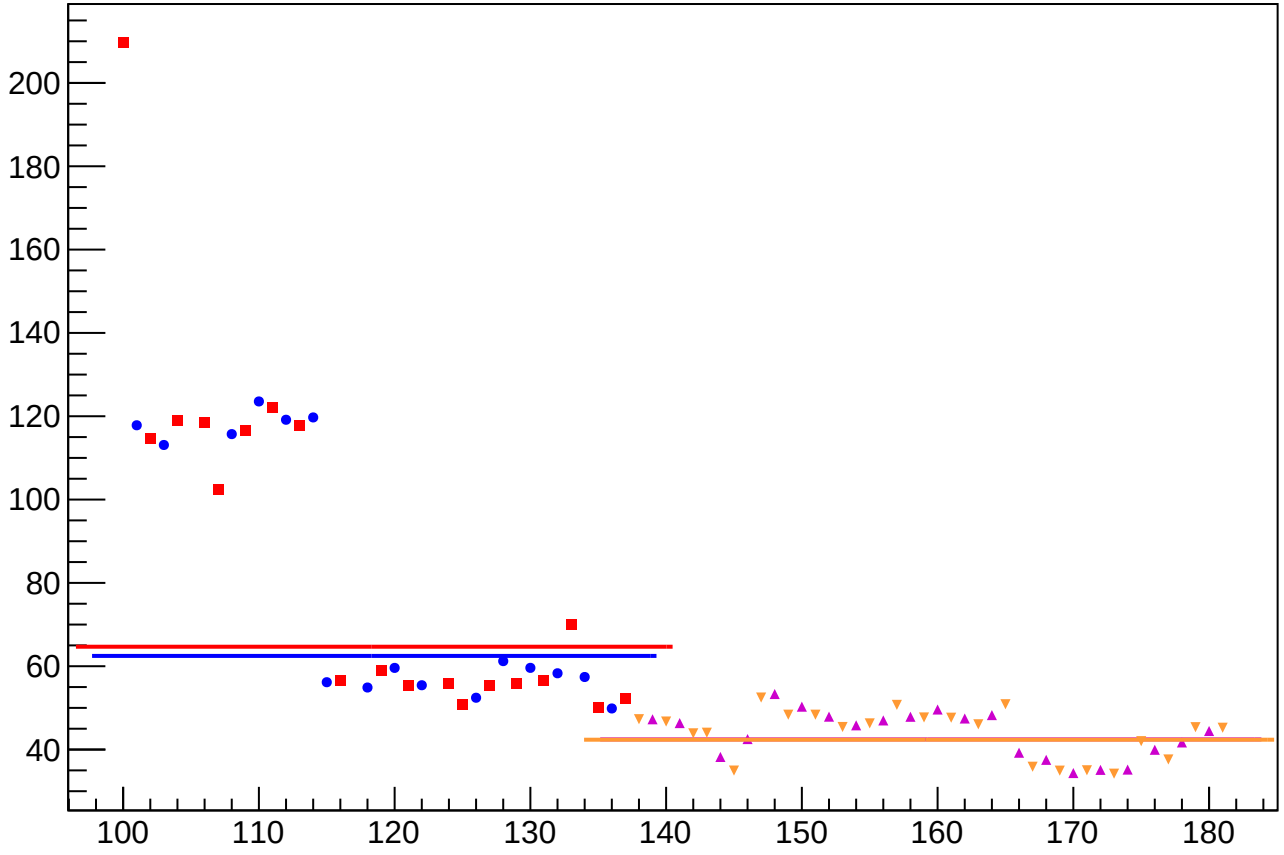
Left In: -12.150+/-10.363 χ^2/NDF:26.0/20

+ sign 29.593+/-9.266 χ^2/NDF: 52.1/38

All: 11.919+/-6.661 χ^2/NDF: 111.5/78

- sign -6.980+/-9.582 χ^2/NDF: 51.8/39

dit_asym_sam_37_26_dd_rms vs Slug



Right In: 62.474+/-0.017 χ^2/NDF: 1348224.3/15

Left Out: 42.363+/-0.007 χ^2/NDF:695383.5/22

Right Out: 64.680+/-0.018 χ^2/NDF: 1590446.9/18

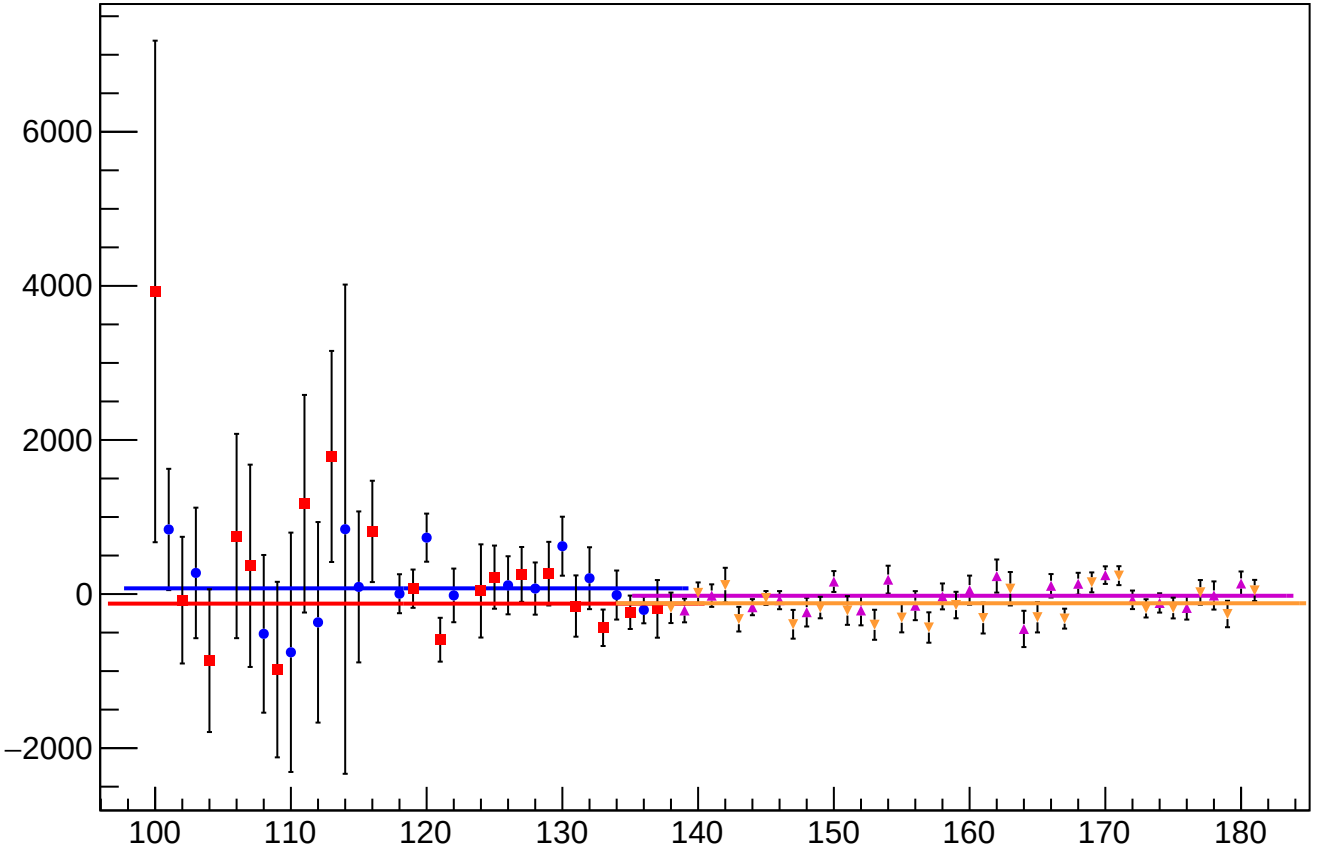
Left In: 42.439+/-0.007 χ^2/NDF:583212.4/20

+ sign 45.242+/-0.007 χ^2/NDF: 3199394.2/38

All: 45.446+/-0.005 χ^2/NDF: 6711201.8/78

- sign 45.665+/-0.007 χ^2/NDF: 3509794.9/39

asym_sam_37_26_dd_dit_correction_mean vs Slug



Right In: 74.294+/-94.492 χ^2/NDF: 11.2/15

Left Out: -119.470+/-31.714 χ^2/NDF:33.8/22

Right Out: -124.201+/-94.665 χ^2/NDF: 16.3/18

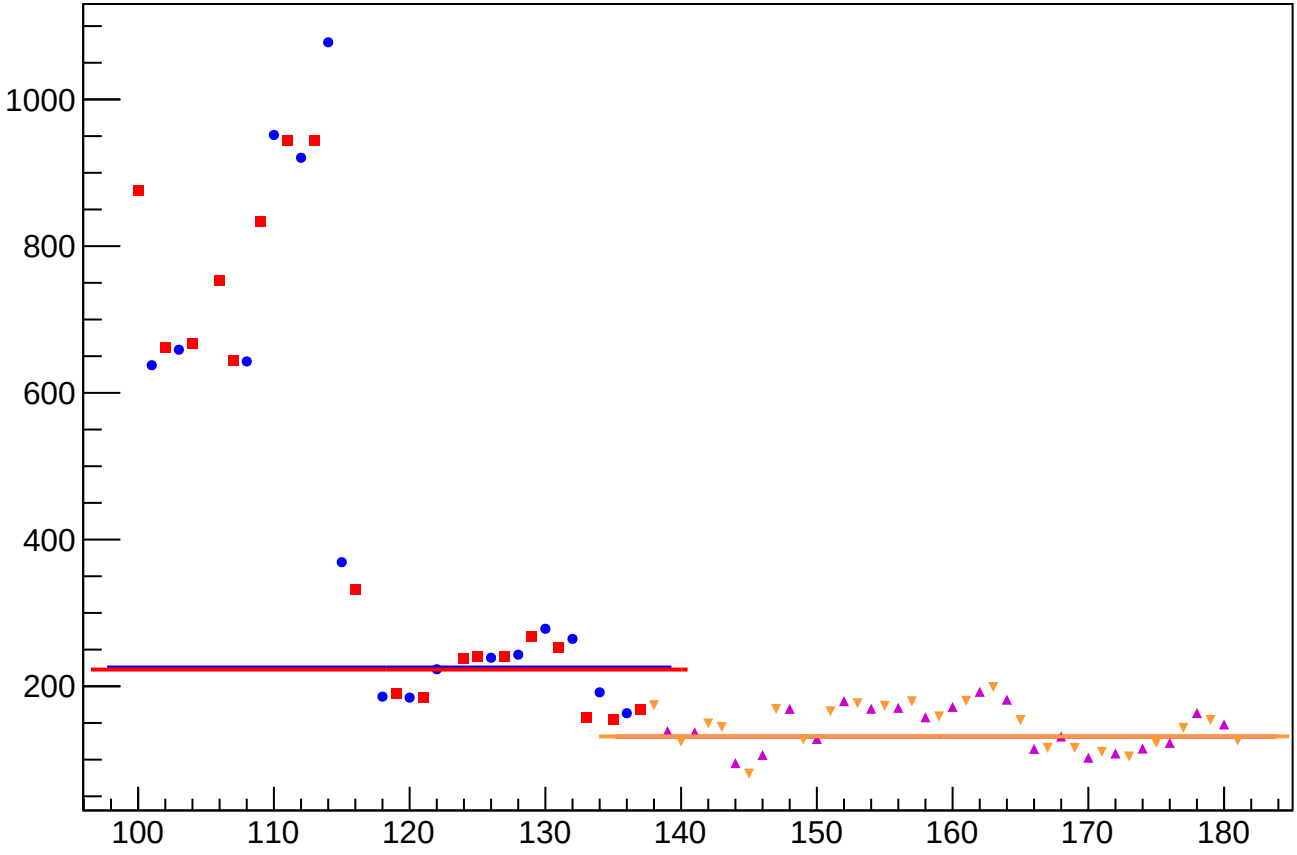
Left In: -22.224+/-32.594 χ^2/NDF:24.9/20

+ sign -99.853+/-30.066 χ^2/NDF: 48.7/38

All: -67.269+/-21.521 χ^2/NDF: 93.4/78

- sign -33.032+/-30.819 χ^2/NDF: 42.3/39

asym_sam_37_26_dd_dit_correction_rms vs Slug



Right In: 225.614+/-0.067 χ^2/NDF: 3026007.7/15

Left Out: 131.666+/-0.022 χ^2/NDF:1899745.9/22

Right Out: 222.786+/-0.067 χ^2/NDF: 3848156.1/18

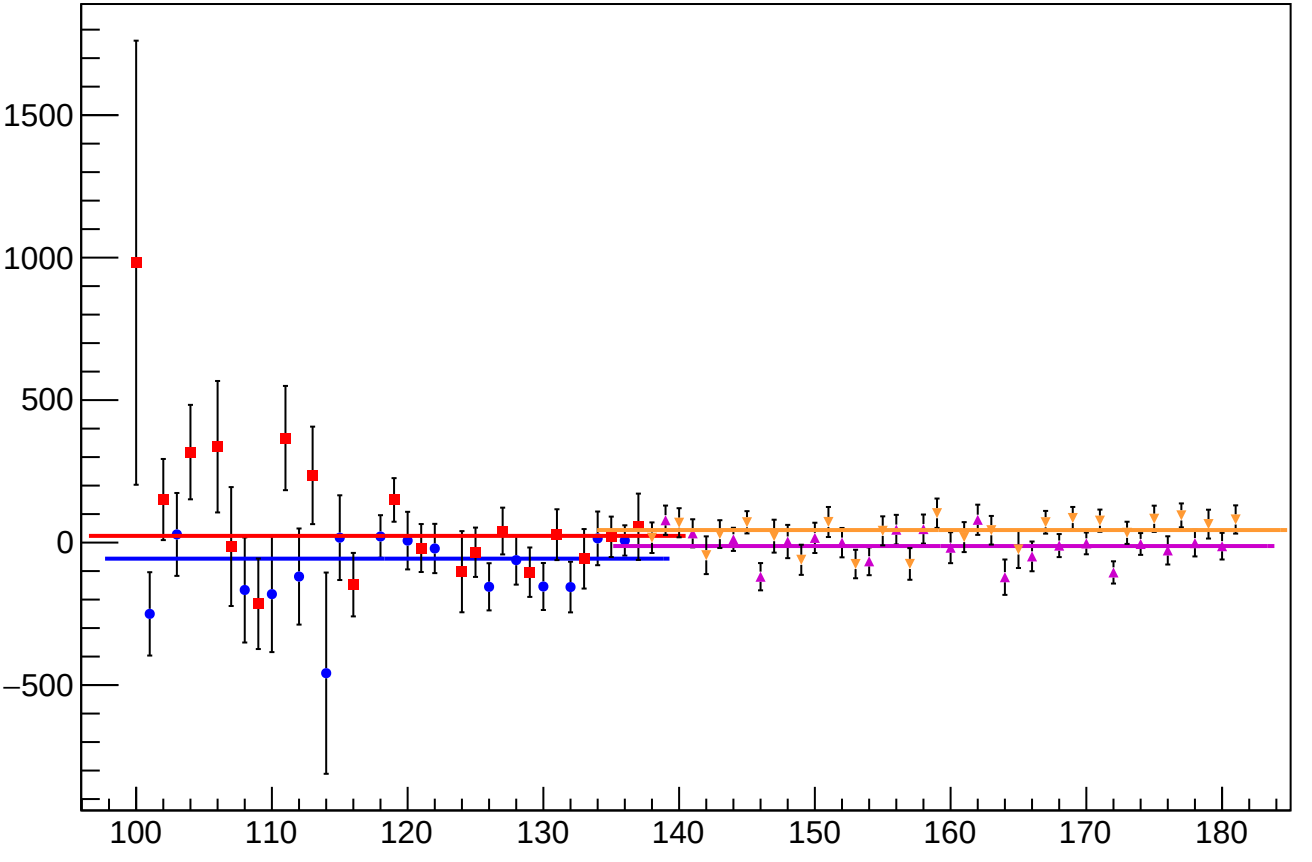
Left In: 131.412+/-0.023 χ^2/NDF:1463419.2/20

+ sign 141.178+/-0.021 χ^2/NDF: 6702619.0/38

All: 141.138+/-0.015 χ^2/NDF: 13680067.7/78

- sign 141.096+/-0.022 χ^2/NDF: 6977441.5/39

eigen_dit_asym_sam_37_26_dd_mean vs Slug



Right In: -56.415+/-24.489 χ^2/NDF: 12.3/15

Left Out: 43.966+/-10.011 χ^2/NDF:25.5/22

Right Out: 23.498+/-25.160 χ^2/NDF: 24.1/18

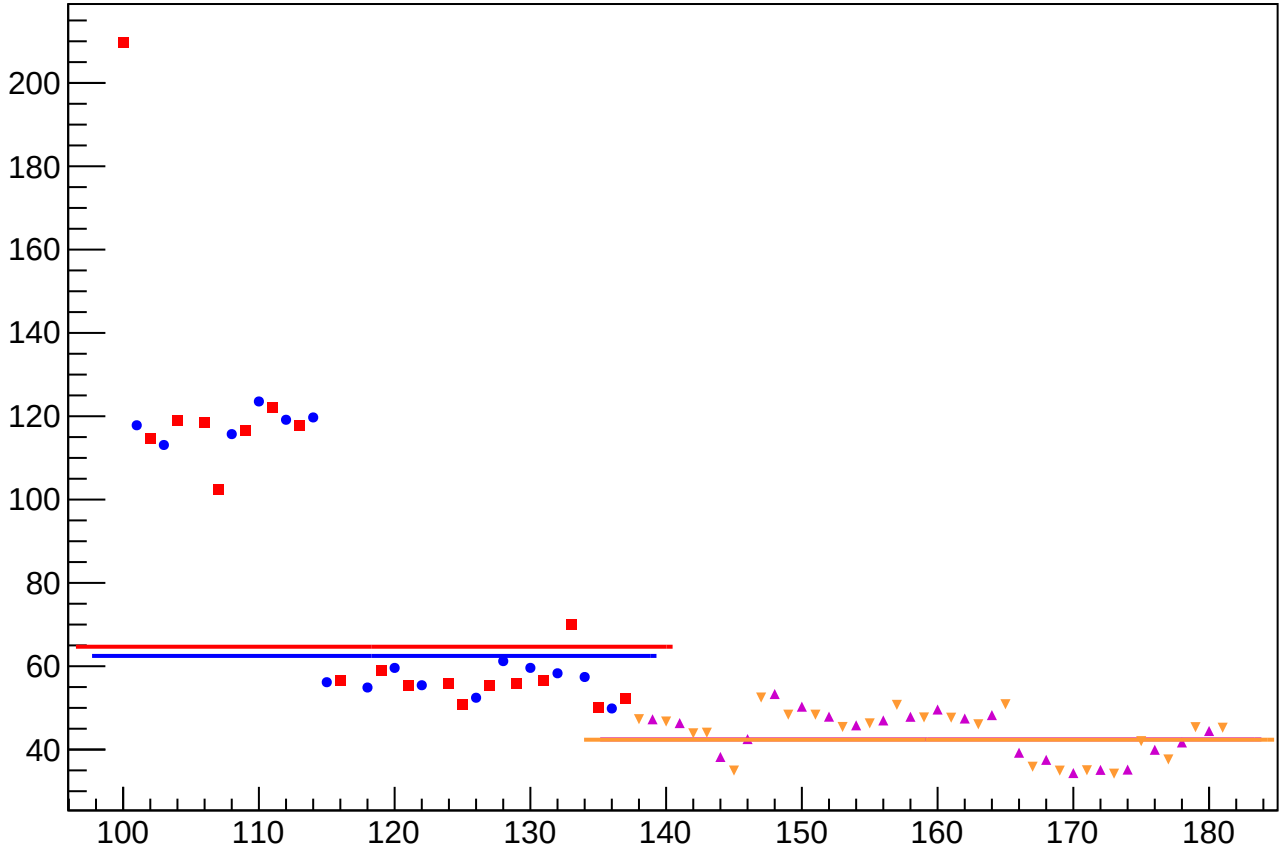
Left In: -12.150+/-10.363 χ^2/NDF:26.0/20

+ sign 29.594+/-9.266 χ^2/NDF: 52.1/38

All: 11.919+/-6.661 χ^2/NDF: 111.5/78

- sign -6.980+/-9.582 χ^2/NDF: 51.8/39

eigen_dit_asym_sam_37_26_dd_rms vs Slug



Right In: 62.474+/-0.017 χ^2/NDF: 1348204.7/15

Left Out: 42.363+/-0.007 χ^2/NDF:695402.0/22

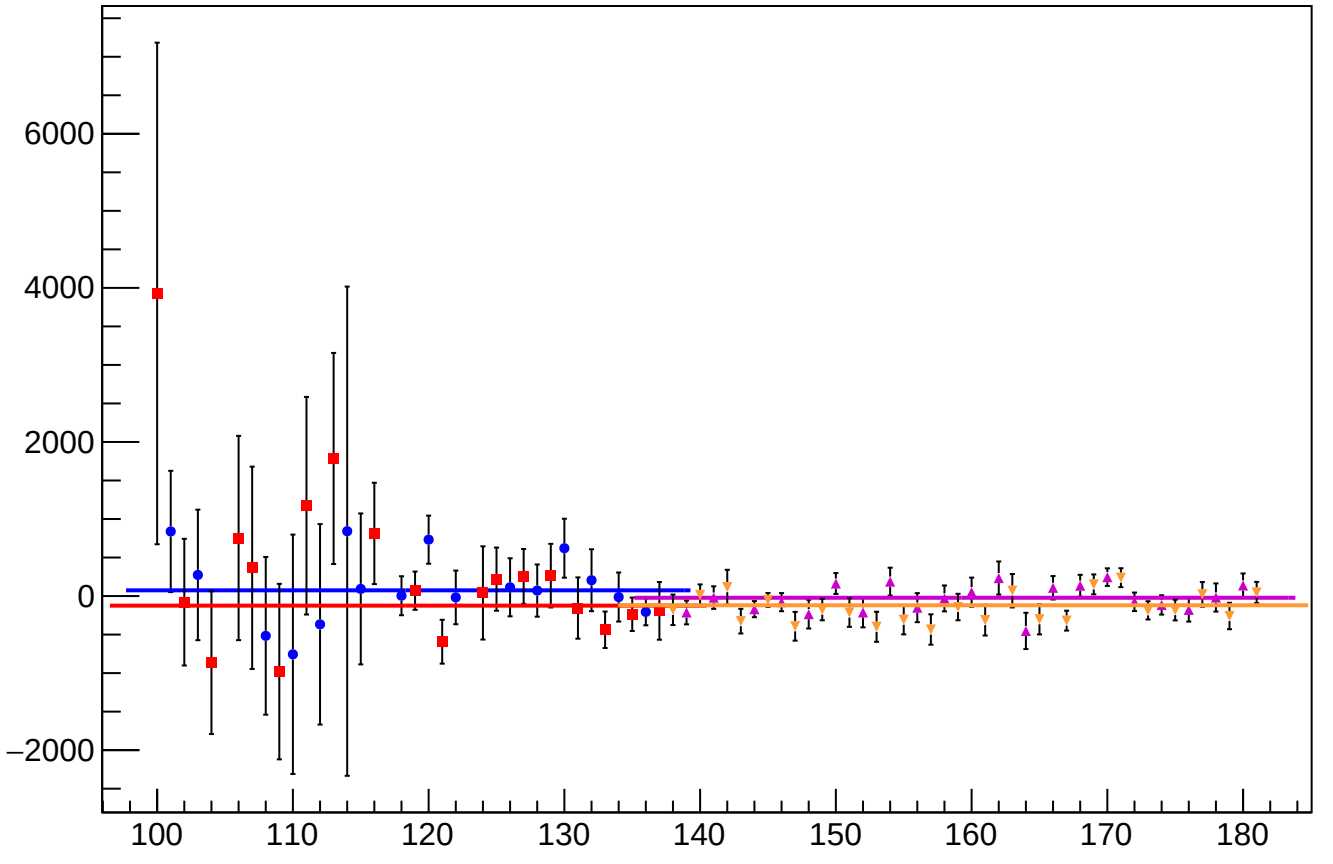
Right Out: 64.680+/-0.018 χ^2/NDF: 1590426.1/18

Left In: 42.439+/-0.007 χ^2/NDF:583218.1/20

+ sign 45.242+/-0.007 χ^2/NDF: 3199350.2/38

All: 45.446+/-0.005 χ^2/NDF: 6711110.7/78

- sign 45.665+/-0.007 χ^2/NDF: 3509746.8/39



Right In: 74.295+/-94.492 χ^2/NDF: 11.2/15

Left Out: -119.470+/-31.714 χ^2/NDF:33.8/22

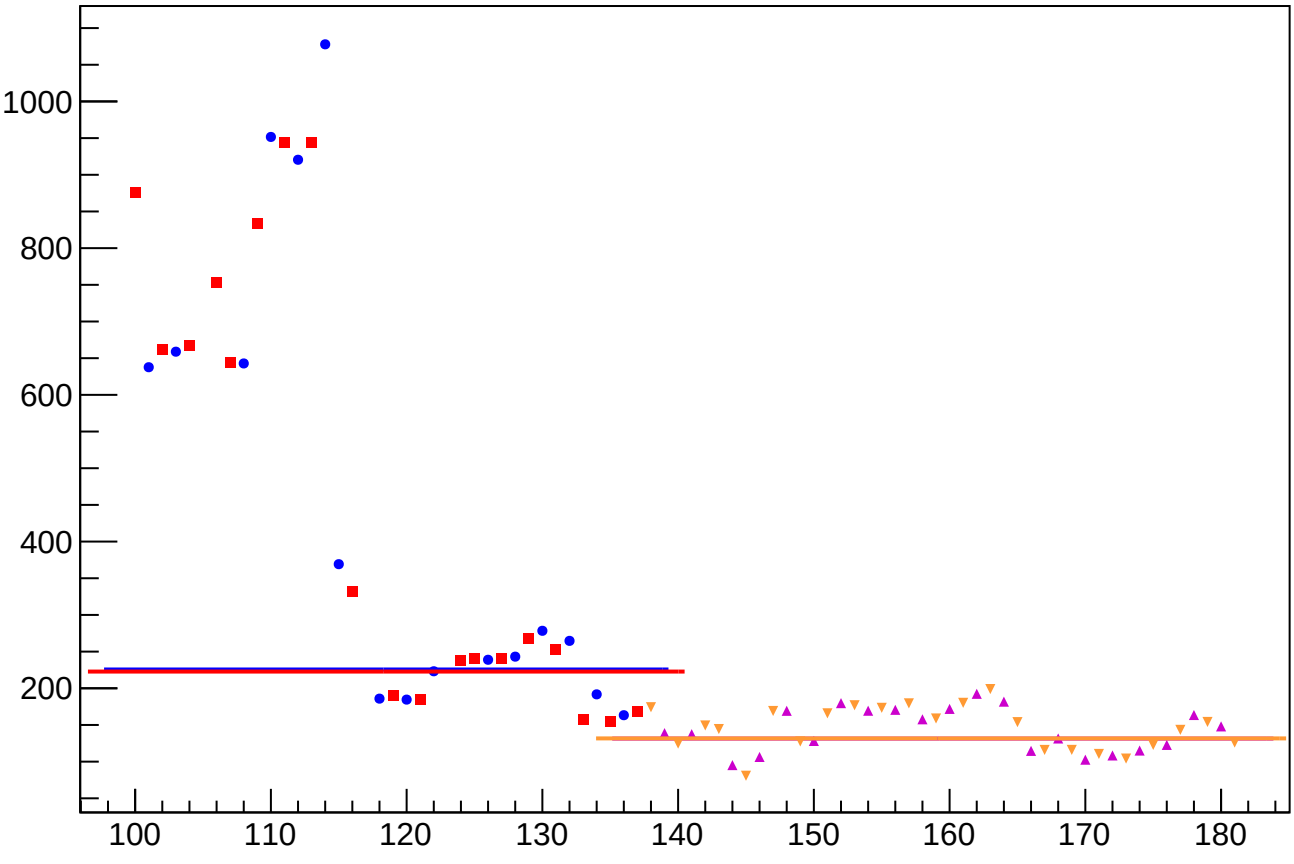
Right Out: -124.199+/-94.666 χ^2/NDF: 16.3/18

Left In: -22.224+/-32.595 χ^2/NDF:24.9/20

+ sign -99.853+/-30.066 χ^2/NDF: 48.7/38

All: -67.269+/-21.521 χ^2/NDF: 93.4/78

- sign -33.032+/-30.819 χ^2/NDF: 42.3/39



Right In: 225.614+/-0.067 χ^2/NDF: 3025994.8/15

Left Out: 131.667+/-0.022 χ^2/NDF:1899738.3/22

Right Out: 222.787+/-0.067 χ^2/NDF: 3848136.6/18

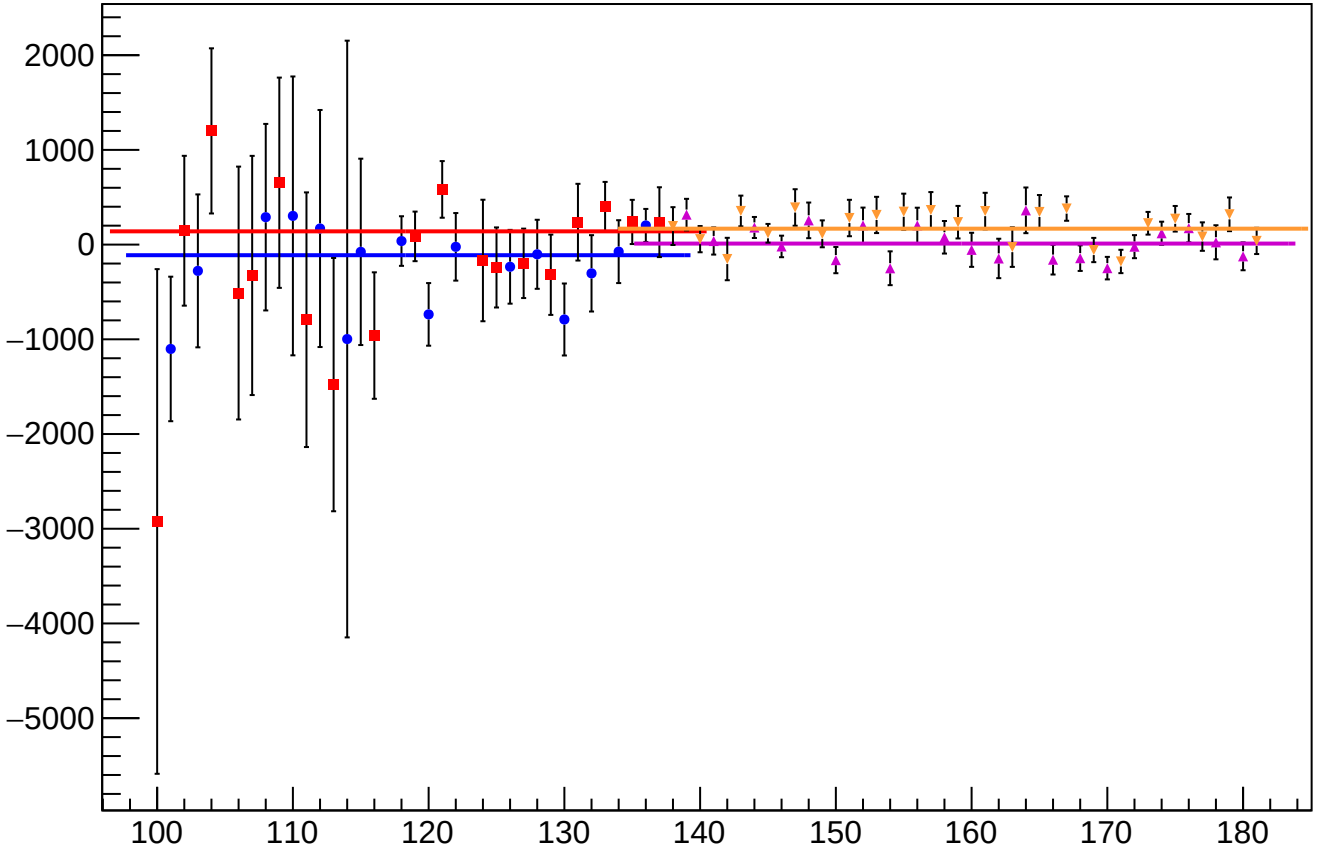
Left In: 131.412+/-0.023 χ^2/NDF:1463421.9/20

+ sign 141.178+/-0.021 χ^2/NDF: 6702588.9/38

All: 141.138+/-0.015 χ^2/NDF: 13680025.0/78

- sign 141.096+/-0.022 χ^2/NDF: 6977429.0/39

asym_sam_37_26_dd_mean vs Slug



Right In: -111.916+/-96.551 χ^2/NDF: 12.8/15

Left Out: 168.114+/-31.974 χ^2/NDF:28.0/22

Right Out: 139.974+/-99.174 χ^2/NDF: 14.6/18

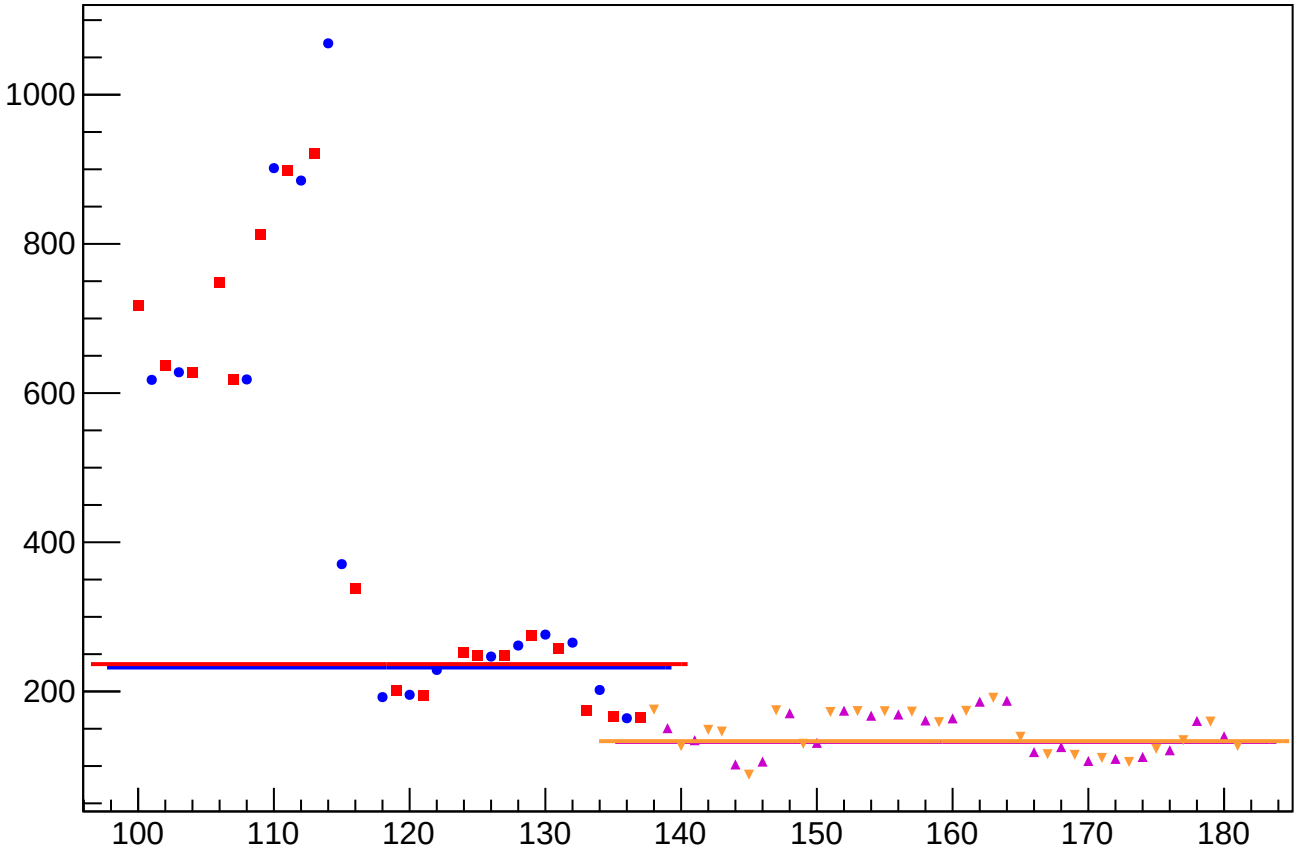
Left In: 10.783+/-32.625 χ^2/NDF:26.4/20

+ sign 140.439+/-30.353 χ^2/NDF: 48.4/38

All: 83.137+/-21.685 χ^2/NDF: 98.3/78

- sign 23.399+/-30.991 χ^2/NDF: 42.6/39

asym_sam_37_26_dd_rms vs Slug



Right In: 232.107+/-0.068 χ^2/NDF: 2885510.6/15

Left Out: 133.352+/-0.023 χ^2/NDF:1573905.5/22

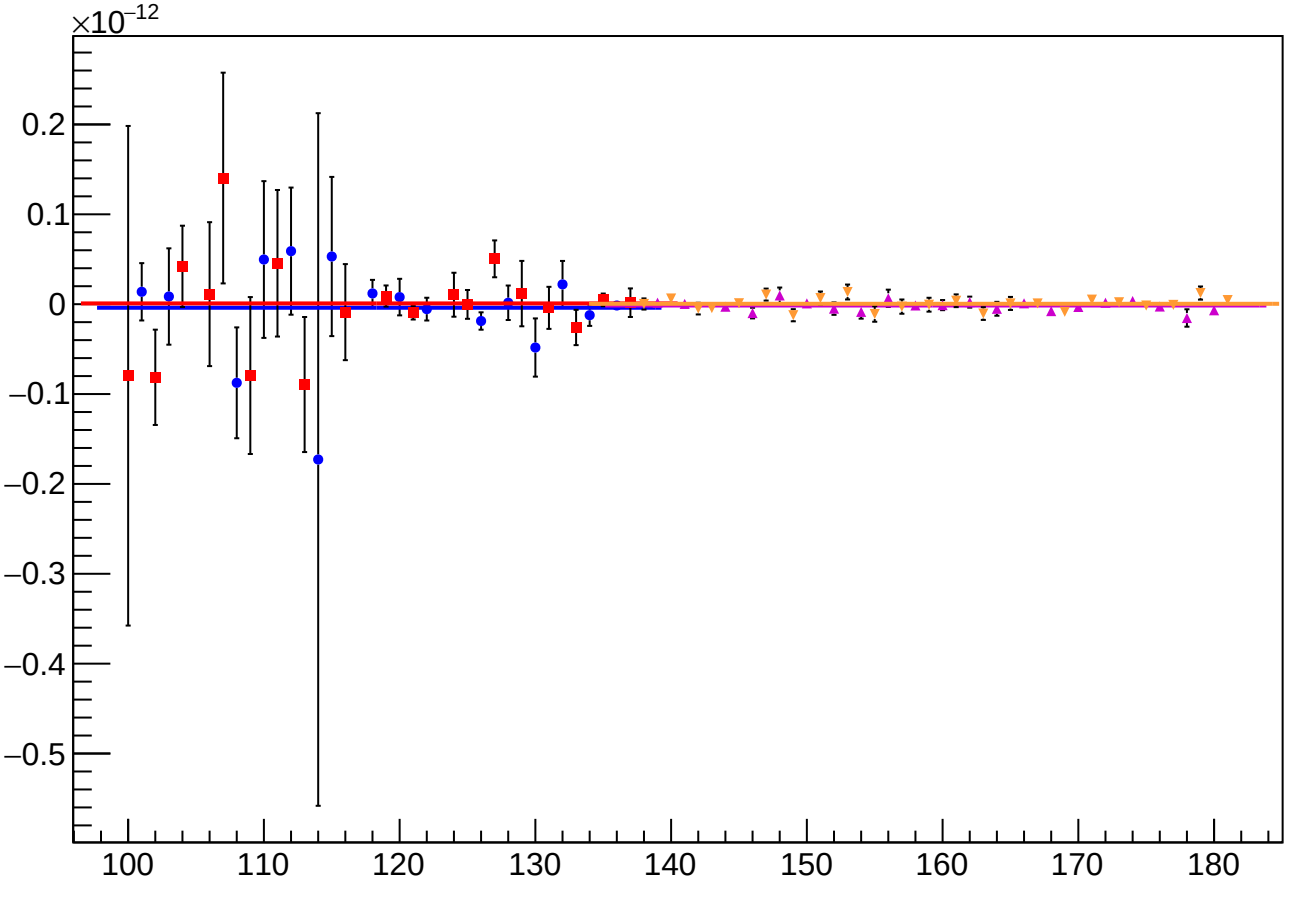
Right Out: 236.647+/-0.070 χ^2/NDF: 3521033.7/18

Left In: 132.244+/-0.023 χ^2/NDF:1277388.1/20

+ sign 143.112+/-0.021 χ^2/NDF: 6344995.1/38

All: 142.782+/-0.015 χ^2/NDF: 13143916.1/78

- sign 142.439+/-0.022 χ^2/NDF: 6798440.2/39



Right In: -0.000+/-0.000 χ^2/NDF: 11.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:26.5/22

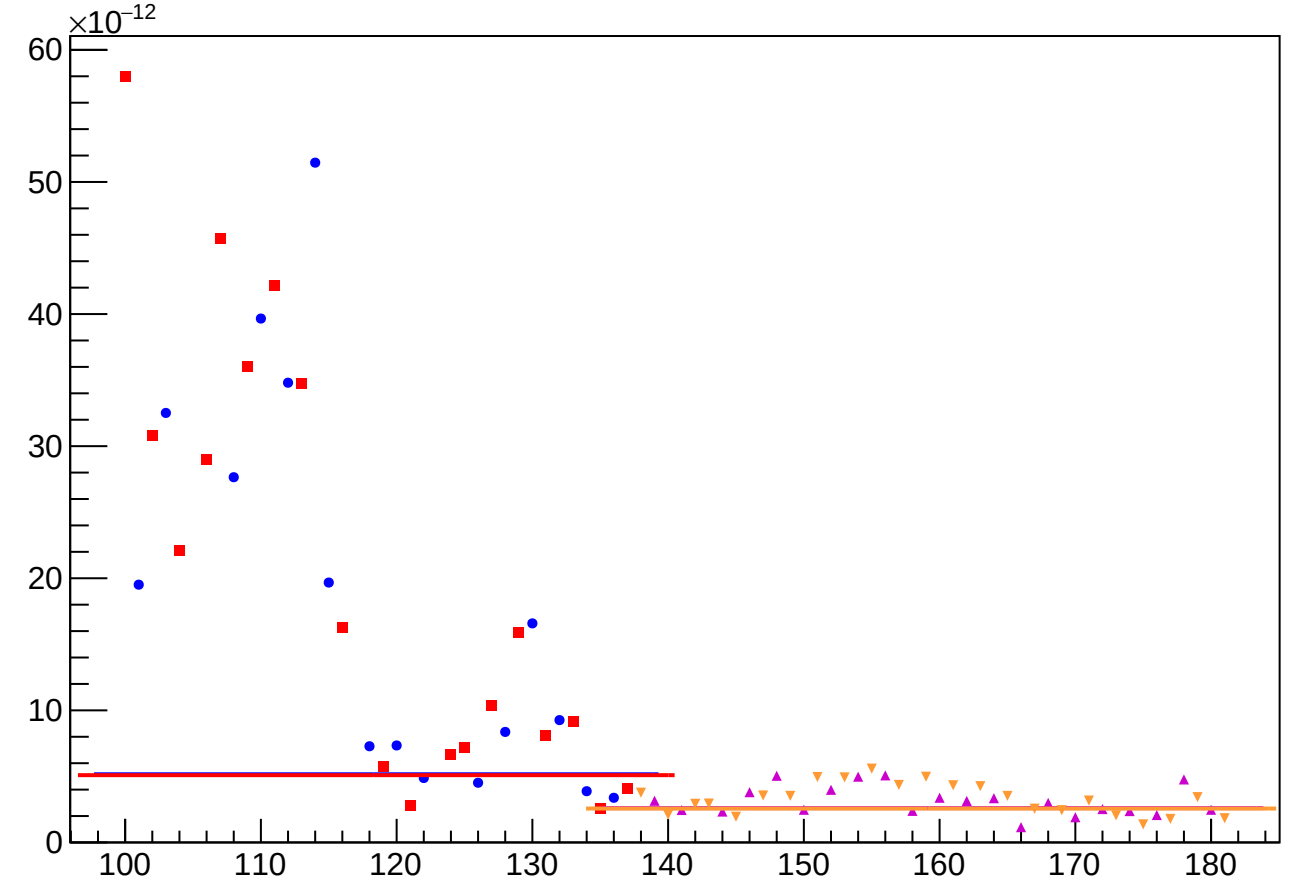
Right Out: 0.000+/-0.000 χ^2/NDF: 18.1/18

Left In: -0.000+/-0.000 χ^2/NDF:14.5/20

+ sign 0.000+/-0.000 χ^2/NDF: 39.3/38

All: -0.000+/-0.000 χ^2/NDF: 73.1/78

- sign -0.000+/-0.000 χ^2/NDF: 32.9/39



Right In: 0.000+/-0.000 χ^2/NDF: 2618432.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:2150810.2/22

Right Out: 0.000+/-0.000 χ^2/NDF: 3236196.8/18

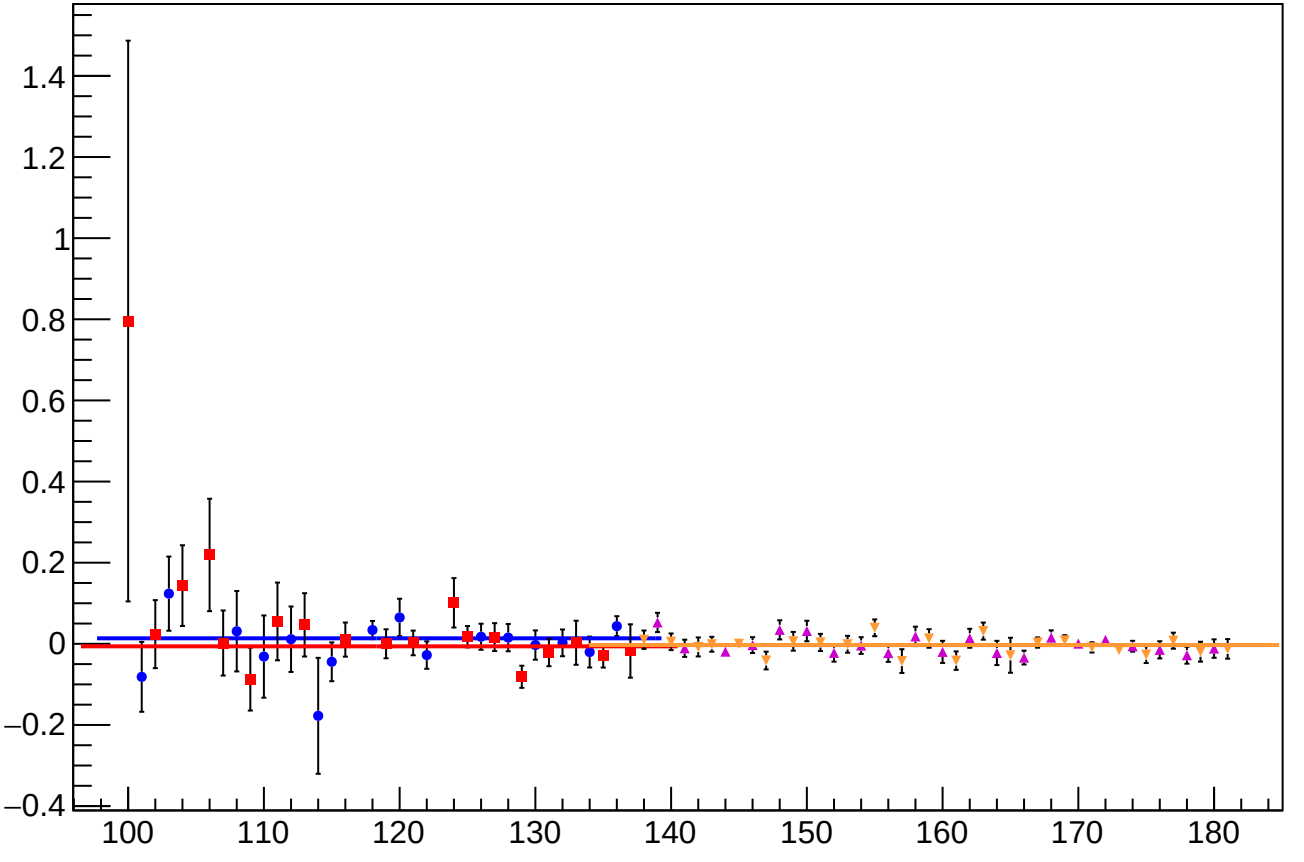
Left In: 0.000+/-0.000 χ^2/NDF:1375900.7/20

+ sign 0.000+/-0.000 χ^2/NDF: 5695408.8/38

All: 0.000+/-0.000 χ^2/NDF: 11048115.7/78

- sign 0.000+/-0.000 χ^2/NDF: 5352417.1/39

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:20.9/22

Right Out: -0.006+/-0.010 χ^2/NDF: 21.5/18

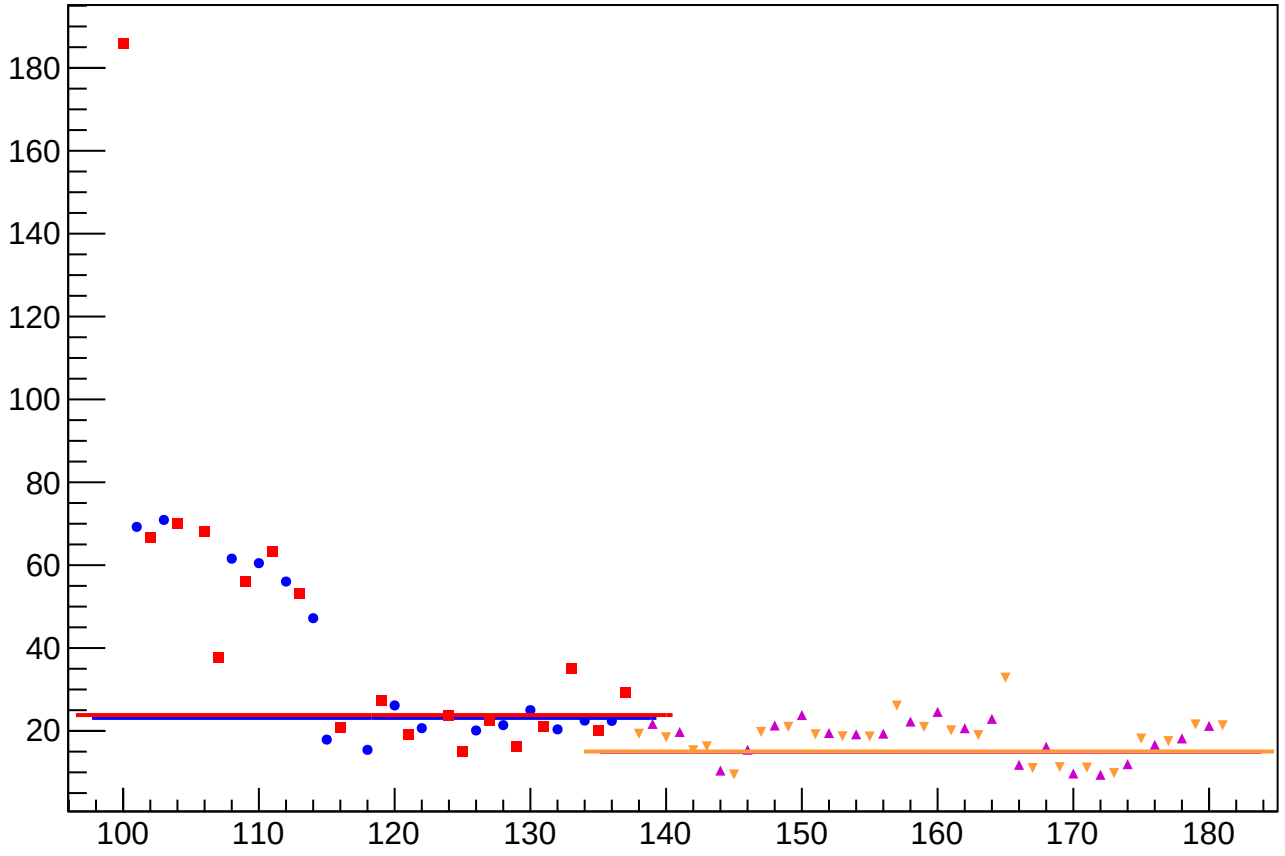
Left In: -0.003+/-0.004 χ^2/NDF:23.5/20

+ sign -0.001+/-0.004 χ^2/NDF: 35.7/38

All: -0.002+/-0.003 χ^2/NDF: 81.0/78

- sign -0.003+/-0.004 χ^2/NDF: 45.0/39

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: 15.027+/-0.003 χ^2/NDF:3317649.1/22

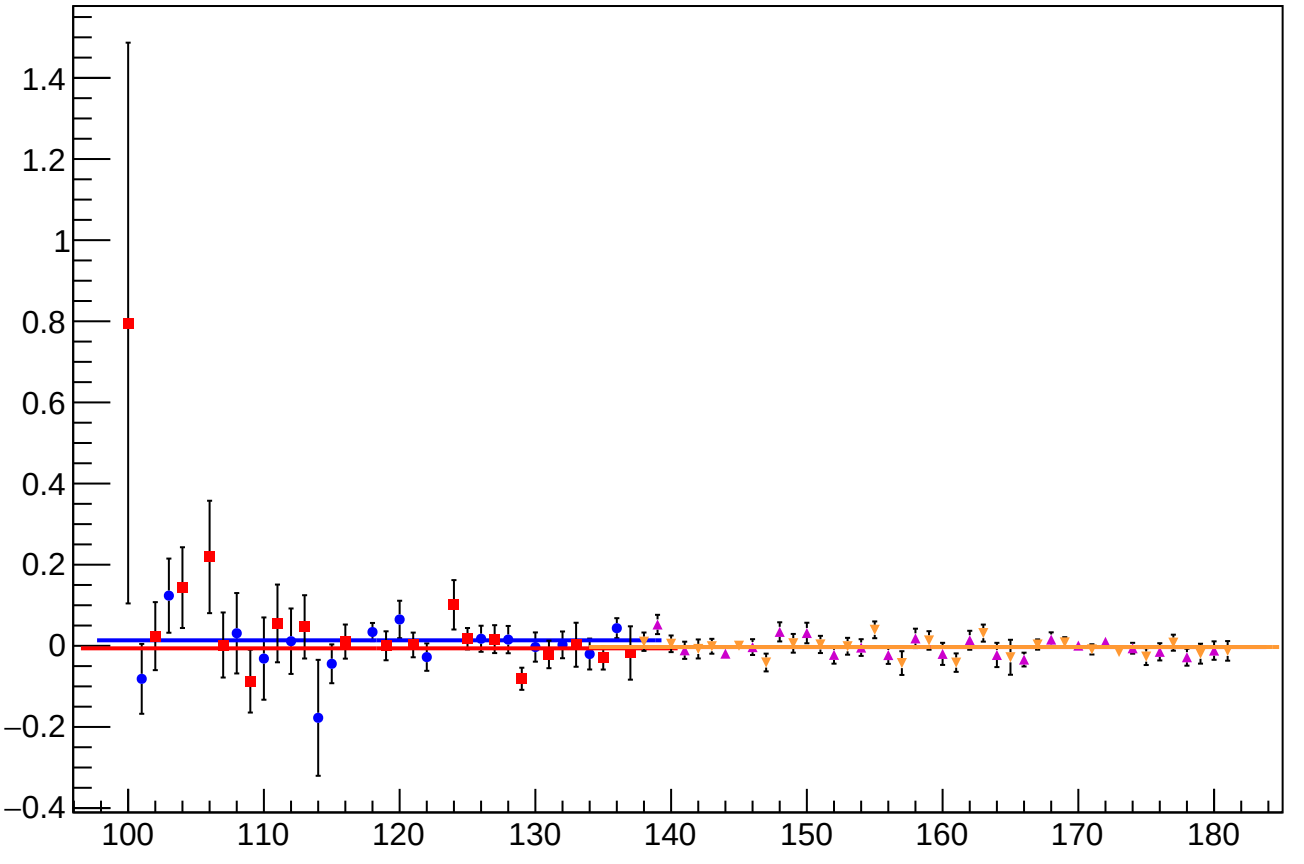
Right Out: 23.825+/-0.007 χ^2/NDF: 2898916.7/18

Left In: 14.927+/-0.003 χ^2/NDF:3285031.9/20

\+ sign 16.066+/-0.002 χ^2/NDF: 6909499.1/38

All: 16.078+/-0.002 χ^2/NDF: 14451527.7/78

\- sign 16.090+/-0.003 χ^2/NDF: 7541984.0/39



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: -0.003+/-0.004 χ^2/NDF:20.9/22

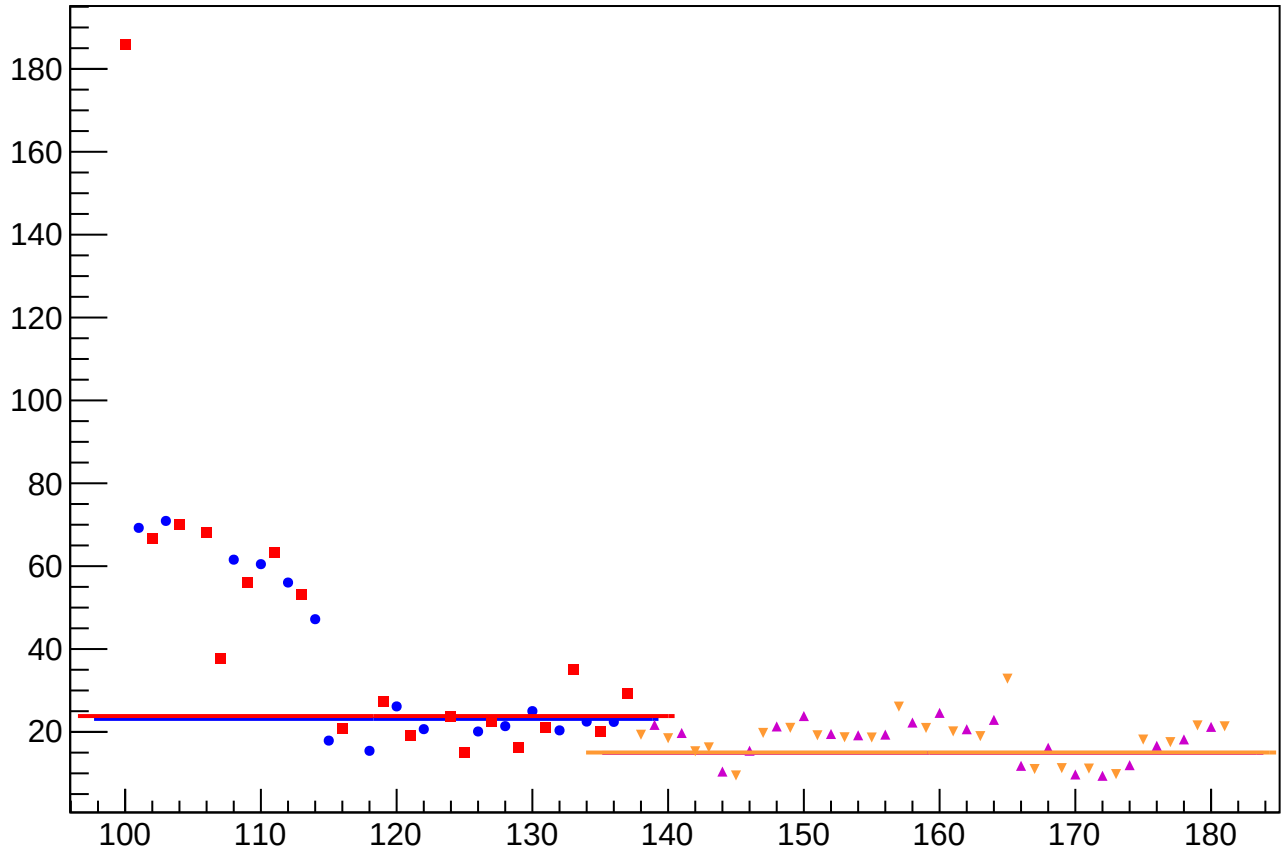
Right Out: -0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: -0.003+/-0.004 χ^2/NDF:23.5/20

+ sign -0.001+/-0.004 χ^2/NDF: 35.7/38

All: -0.002+/-0.003 χ^2/NDF: 81.0/78

- sign -0.003+/-0.004 χ^2/NDF: 45.0/39



Right In: 23.145+/-0.007 χ^2/NDF: 2406426.8/15

Left Out: 15.027+/-0.003 χ^2/NDF:3317649.1/22

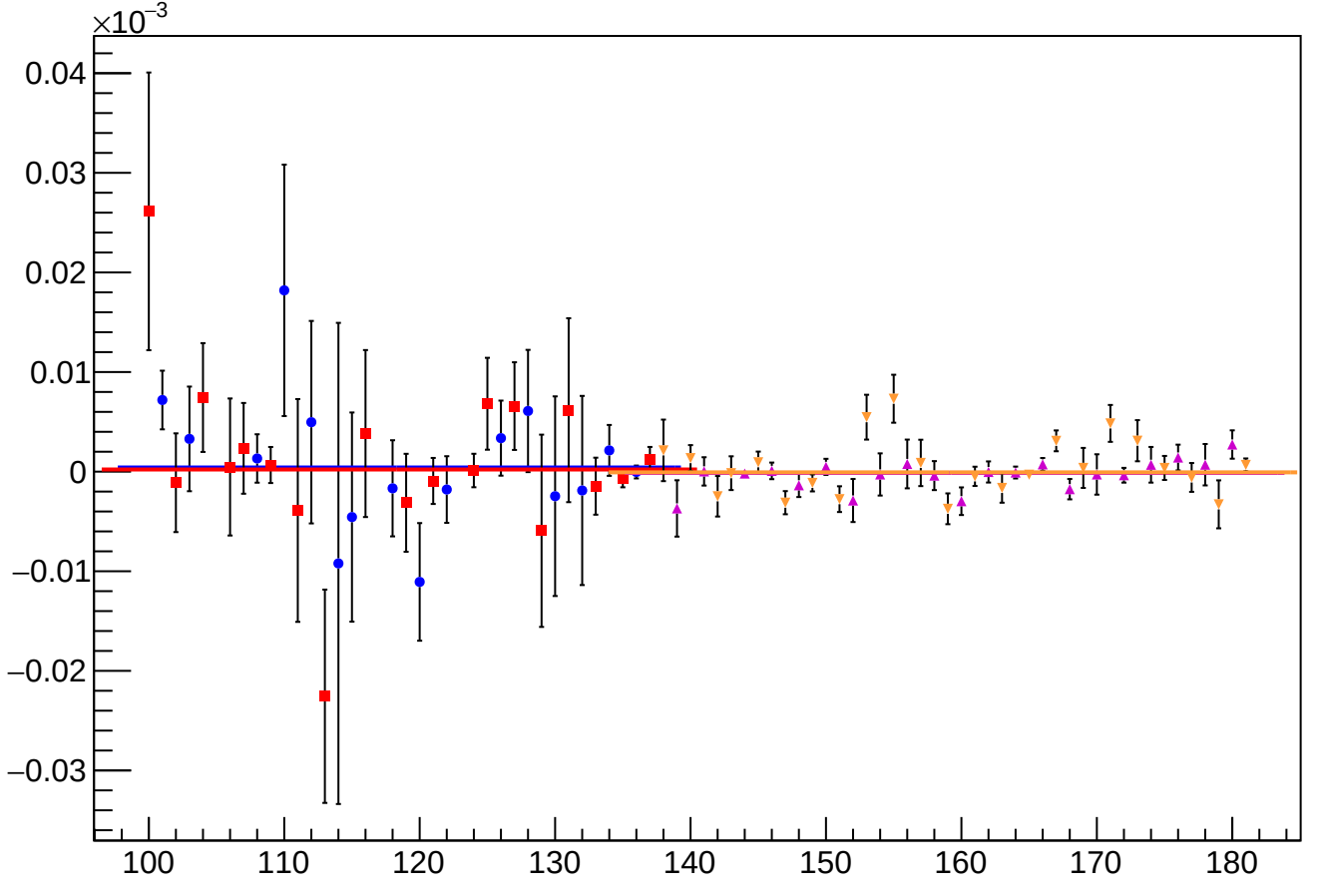
Right Out: 23.825+/-0.007 χ^2/NDF: 2898916.7/18

Left In: 14.927+/-0.003 χ^2/NDF:3285031.9/20

\+ sign 16.066+/-0.002 χ^2/NDF: 6909499.1/38

All: 16.078+/-0.002 χ^2/NDF: 14451527.7/78

\- sign 16.090+/-0.003 χ^2/NDF: 7541984.0/39



Right In: 0.000+/-0.000 χ^2/NDF: 15.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:61.8/22

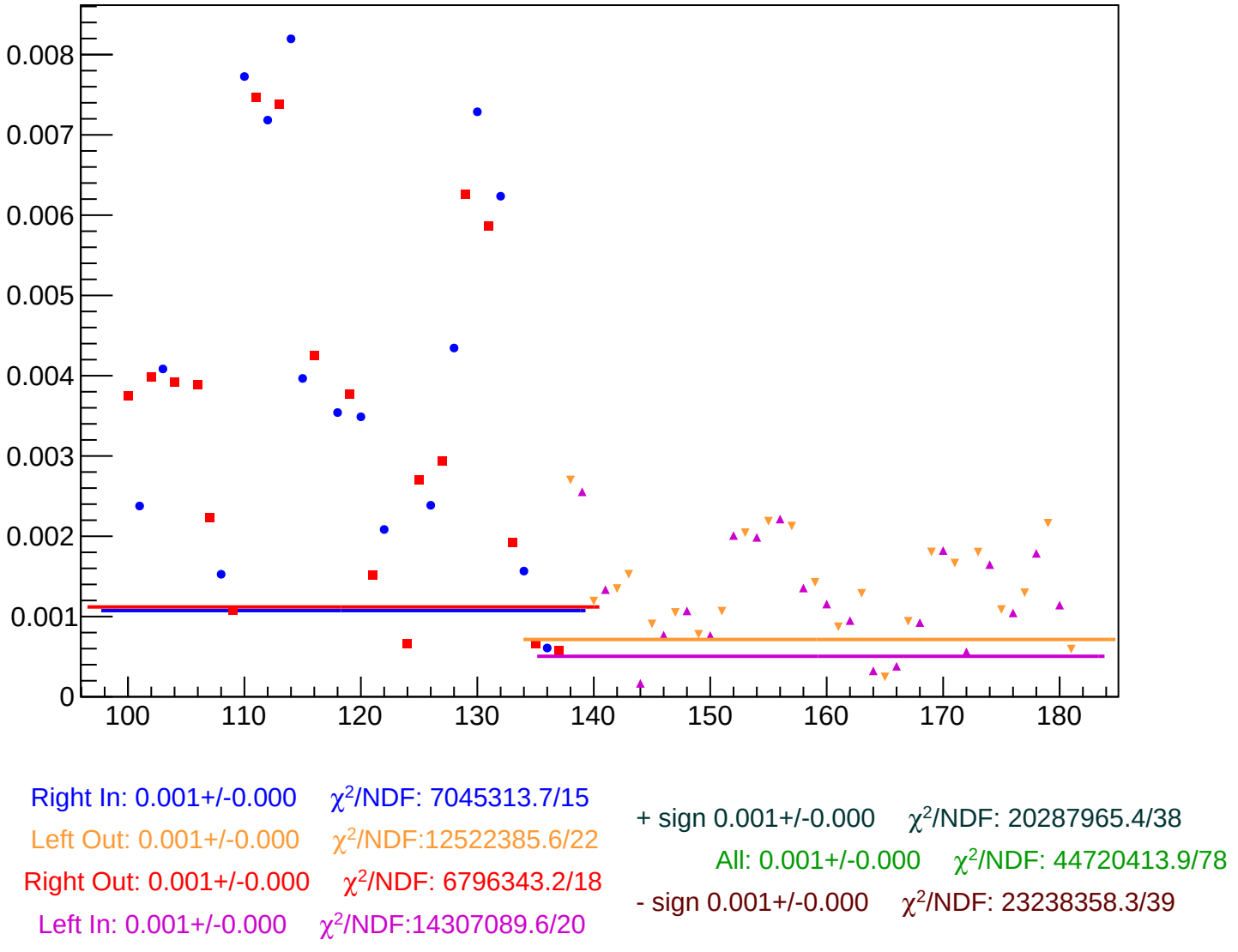
Right Out: 0.000+/-0.000 χ^2/NDF: 17.9/18

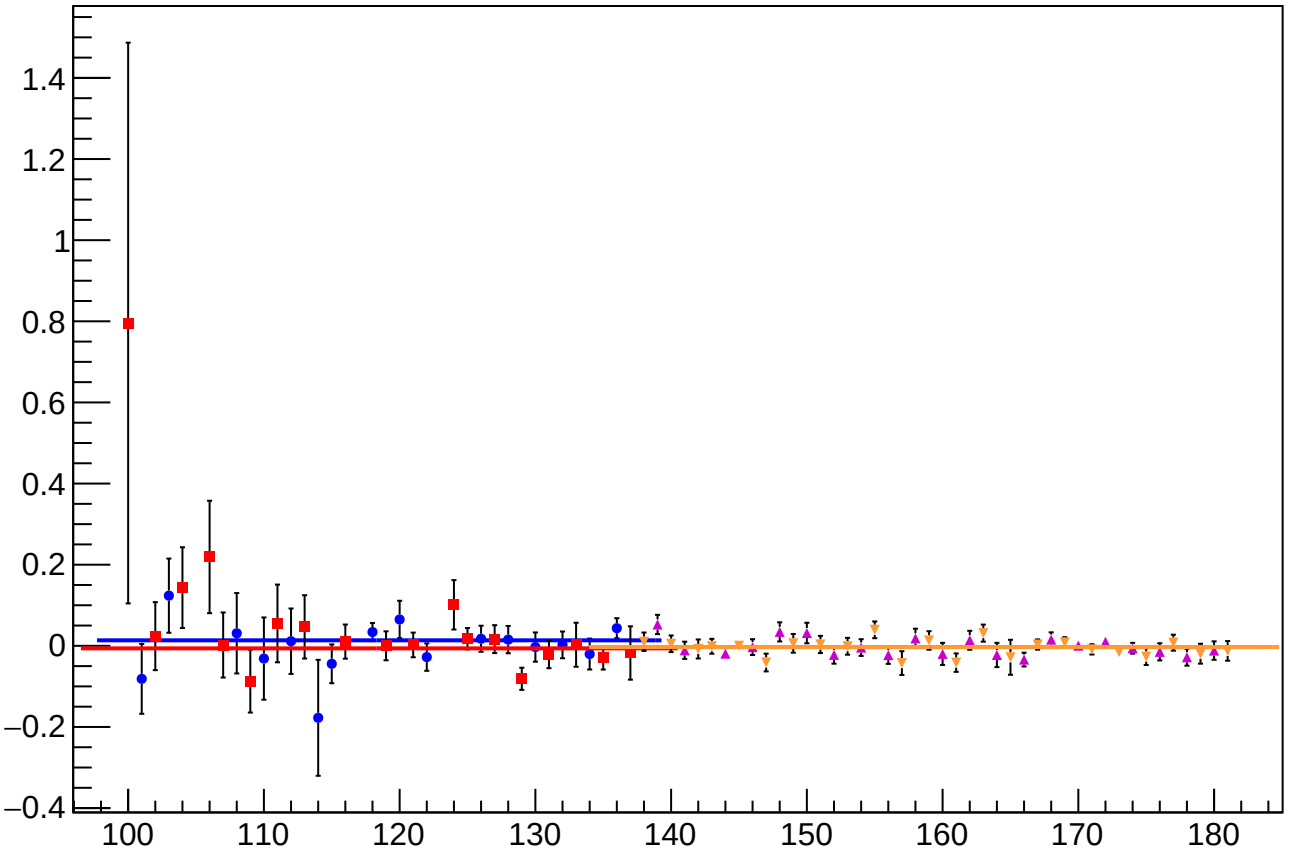
Left In: -0.000+/-0.000 χ^2/NDF:19.7/20

+ sign -0.000+/-0.000 χ^2/NDF: 77.7/38

All: -0.000+/-0.000 χ^2/NDF: 115.7/78

- sign -0.000+/-0.000 χ^2/NDF: 37.9/39


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:12522385.6/22
Right Out: 0.001+/-0.000 χ²/NDF: 6796343.2/18
Left In: 0.001+/-0.000 χ²/NDF:14307089.6/20
+ sign 0.001+/-0.000 χ²/NDF: 20287965.4/38
All: 0.001+/-0.000 χ²/NDF: 44720413.9/78
- sign 0.001+/-0.000 χ²/NDF: 23238358.3/39



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: -0.003+/-0.004 χ^2/NDF:20.9/22

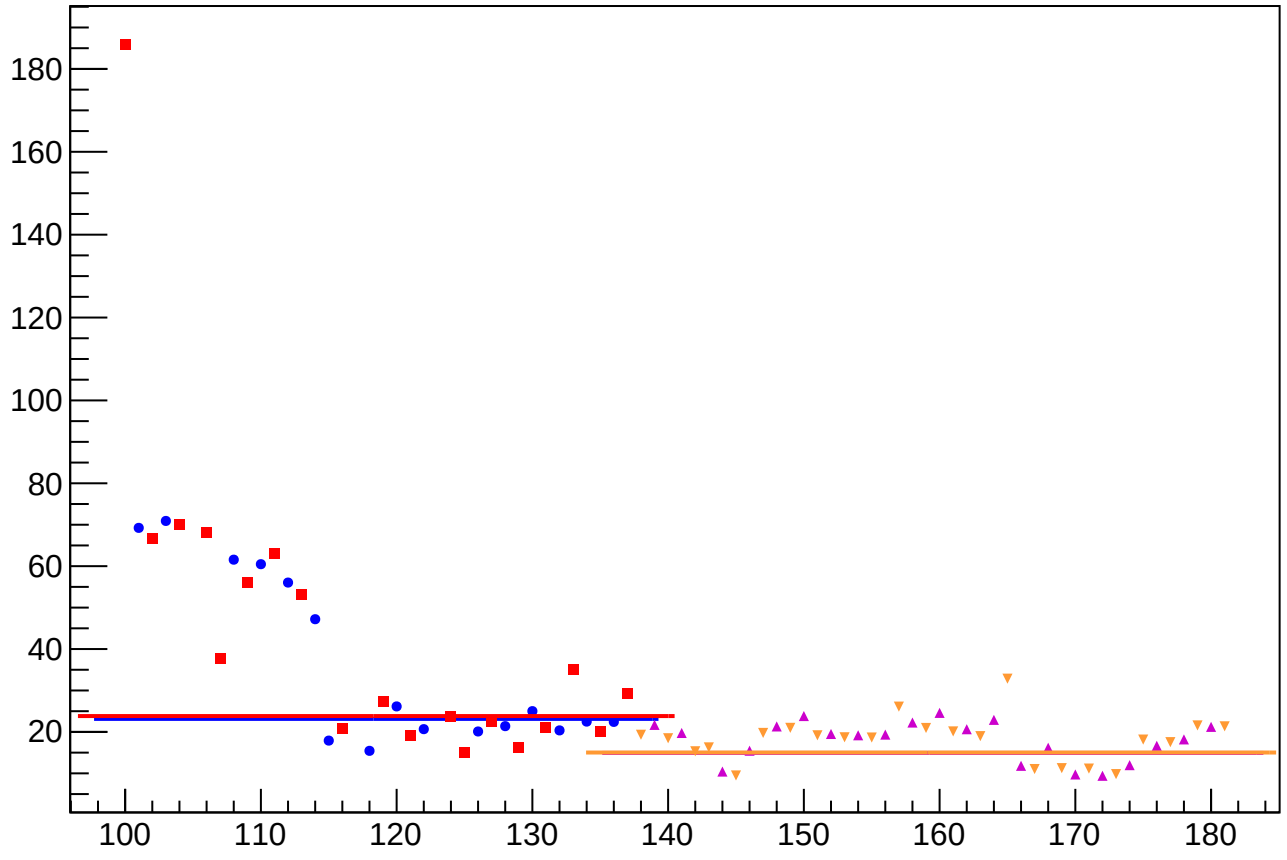
Right Out: -0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: -0.003+/-0.004 χ^2/NDF:23.5/20

+ sign -0.001+/-0.004 χ^2/NDF: 35.7/38

All: -0.002+/-0.003 χ^2/NDF: 81.0/78

- sign -0.003+/-0.004 χ^2/NDF: 45.0/39



Right In: 23.144+/-0.007 χ^2/NDF: 2406451.1/15

Left Out: 15.027+/-0.003 χ^2/NDF:3317756.0/22

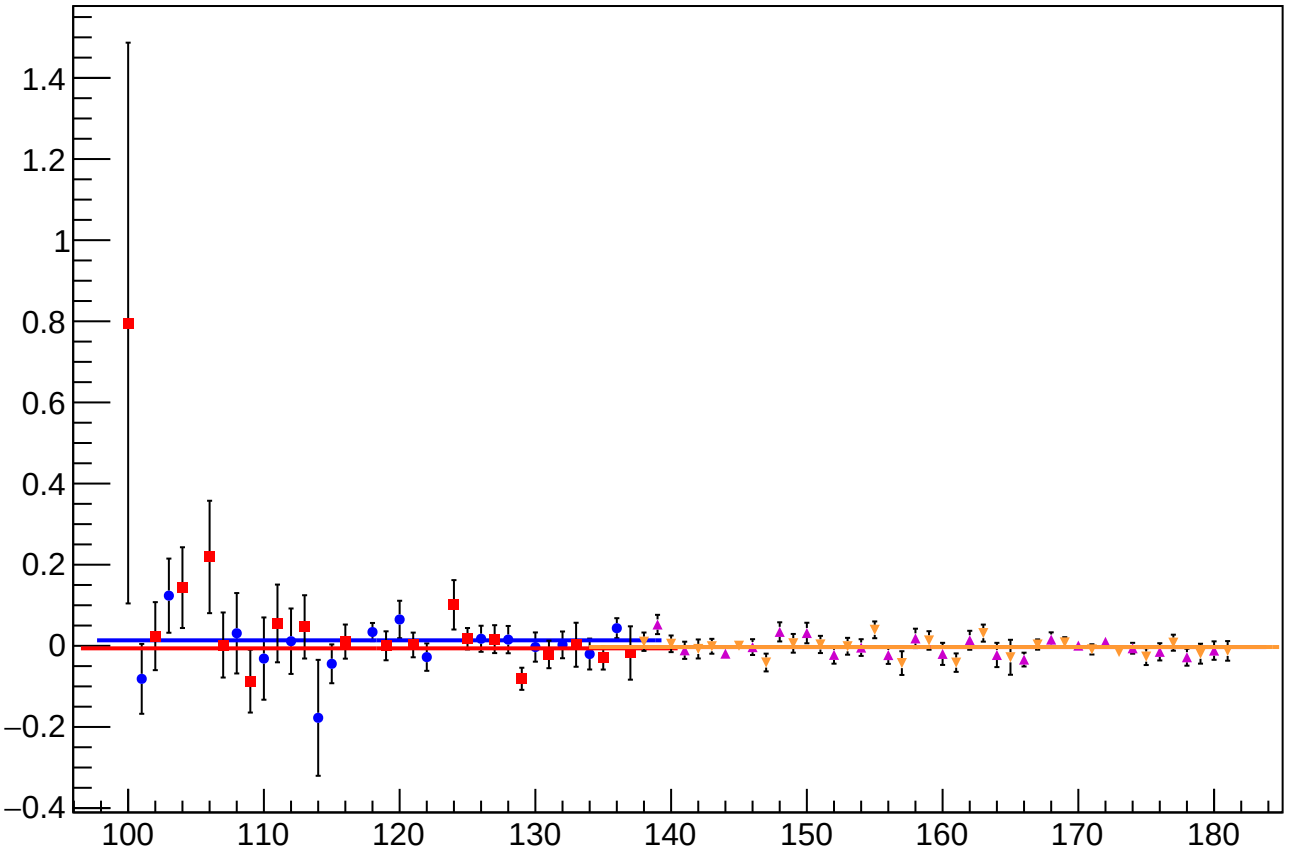
Right Out: 23.824+/-0.007 χ^2/NDF: 2898863.9/18

Left In: 14.927+/-0.003 χ^2/NDF:3285072.5/20

\+ sign 16.066+/-0.002 χ^2/NDF: 6909346.9/38

All: 16.078+/-0.002 χ^2/NDF: 14451214.7/78

\- sign 16.090+/-0.003 χ^2/NDF: 7541822.9/39



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: -0.003+/-0.004 χ^2/NDF:20.9/22

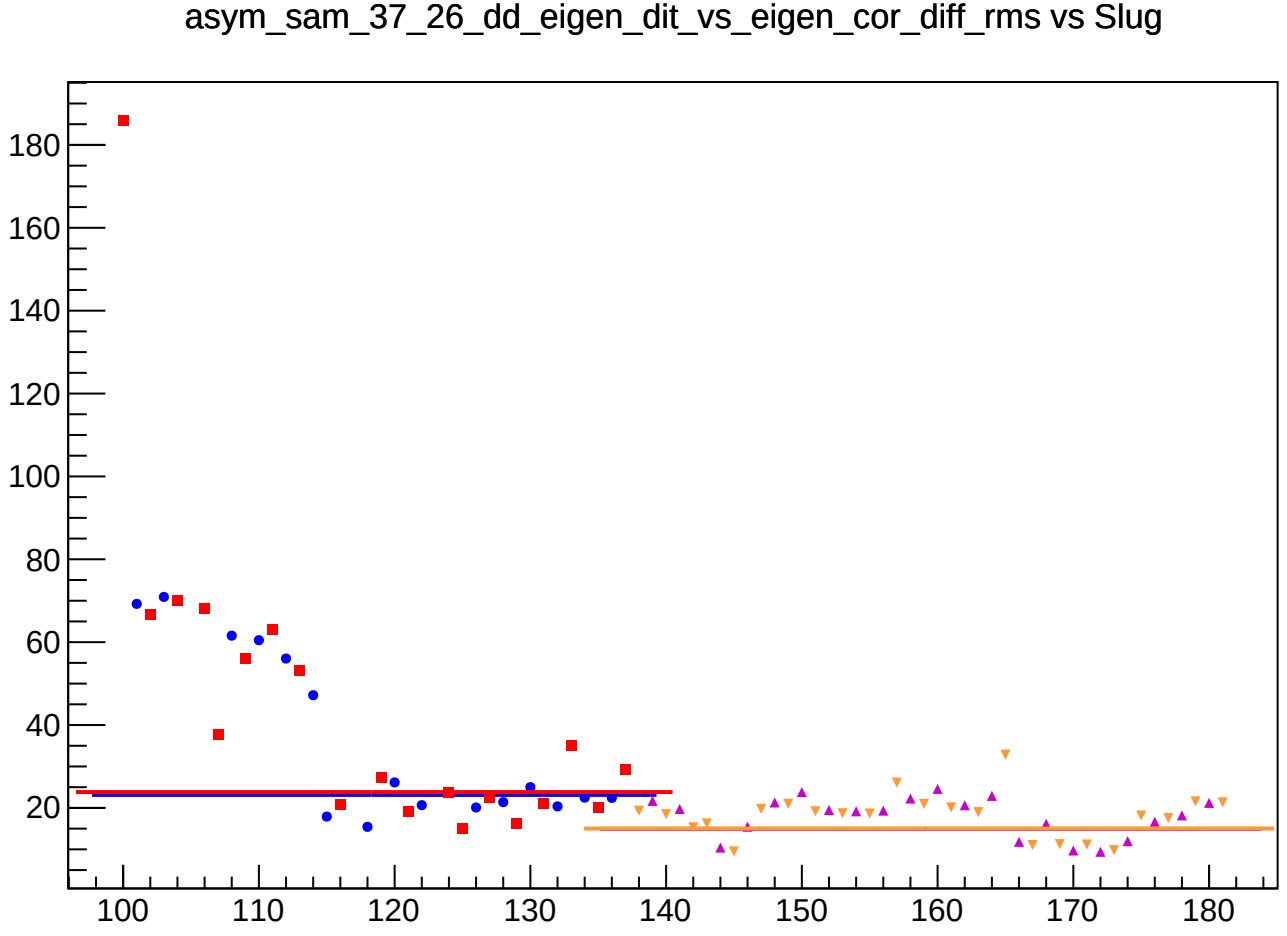
Right Out: -0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: -0.003+/-0.004 χ^2/NDF:23.5/20

+ sign -0.001+/-0.004 χ^2/NDF: 35.7/38

All: -0.002+/-0.003 χ^2/NDF: 81.0/78

- sign -0.003+/-0.004 χ^2/NDF: 45.0/39



Right In: 23.144+/-0.007 χ^2/NDF: 2406451.1/15

Left Out: 15.027+/-0.003 χ^2/NDF:3317756.0/22

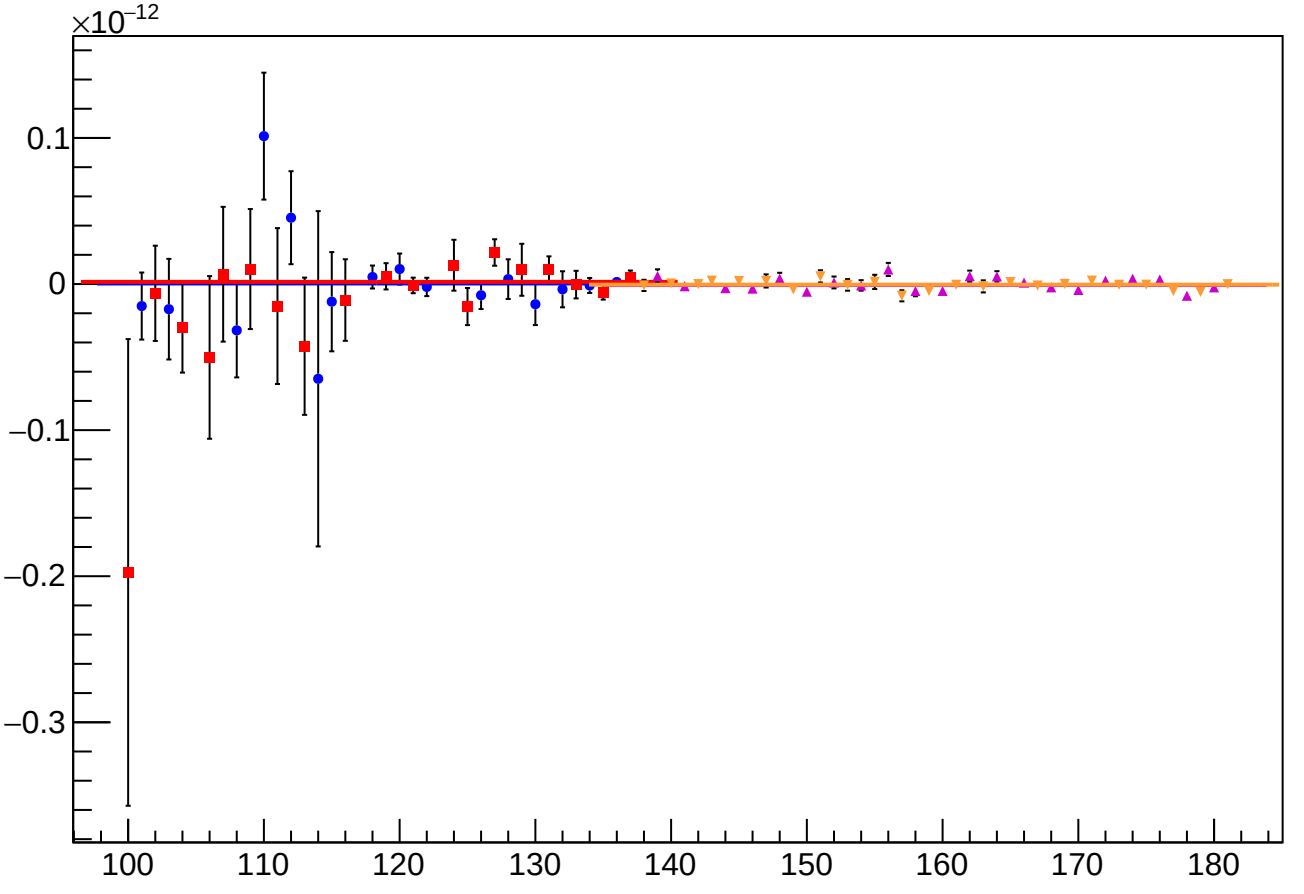
Right Out: 23.824+/-0.007 χ^2/NDF: 2898863.9/18

Left In: 14.927+/-0.003 χ^2/NDF:3285072.5/20

\+ sign 16.066+/-0.002 χ^2/NDF: 6909346.9/38

All: 16.078+/-0.002 χ^2/NDF: 14451214.7/78

\- sign 16.090+/-0.003 χ^2/NDF: 7541822.9/39



Right In: 0.000+/-0.000 χ^2/NDF: 12.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.7/22

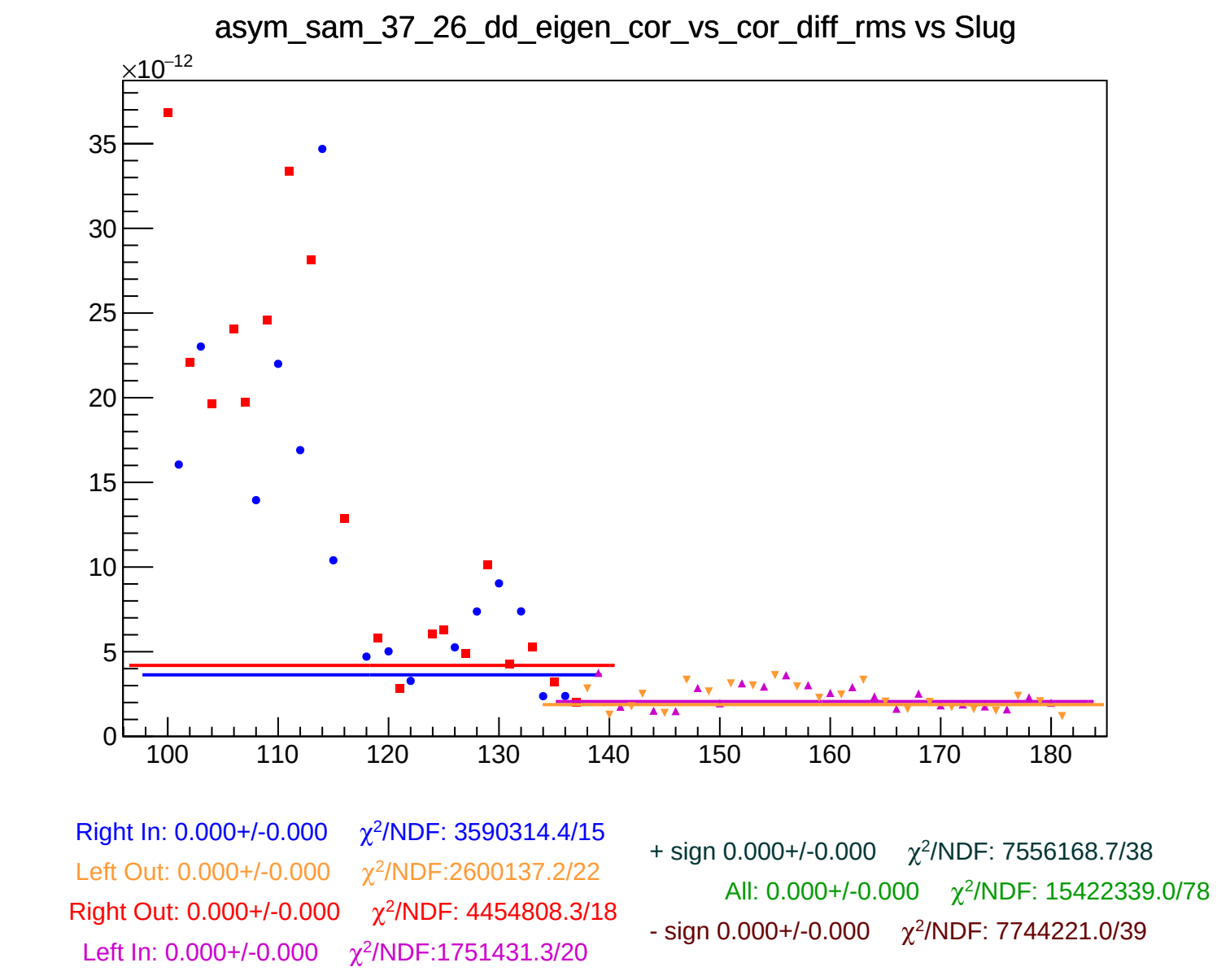
Right Out: 0.000+/-0.000 χ^2/NDF: 15.6/18

Left In: -0.000+/-0.000 χ^2/NDF:38.9/20

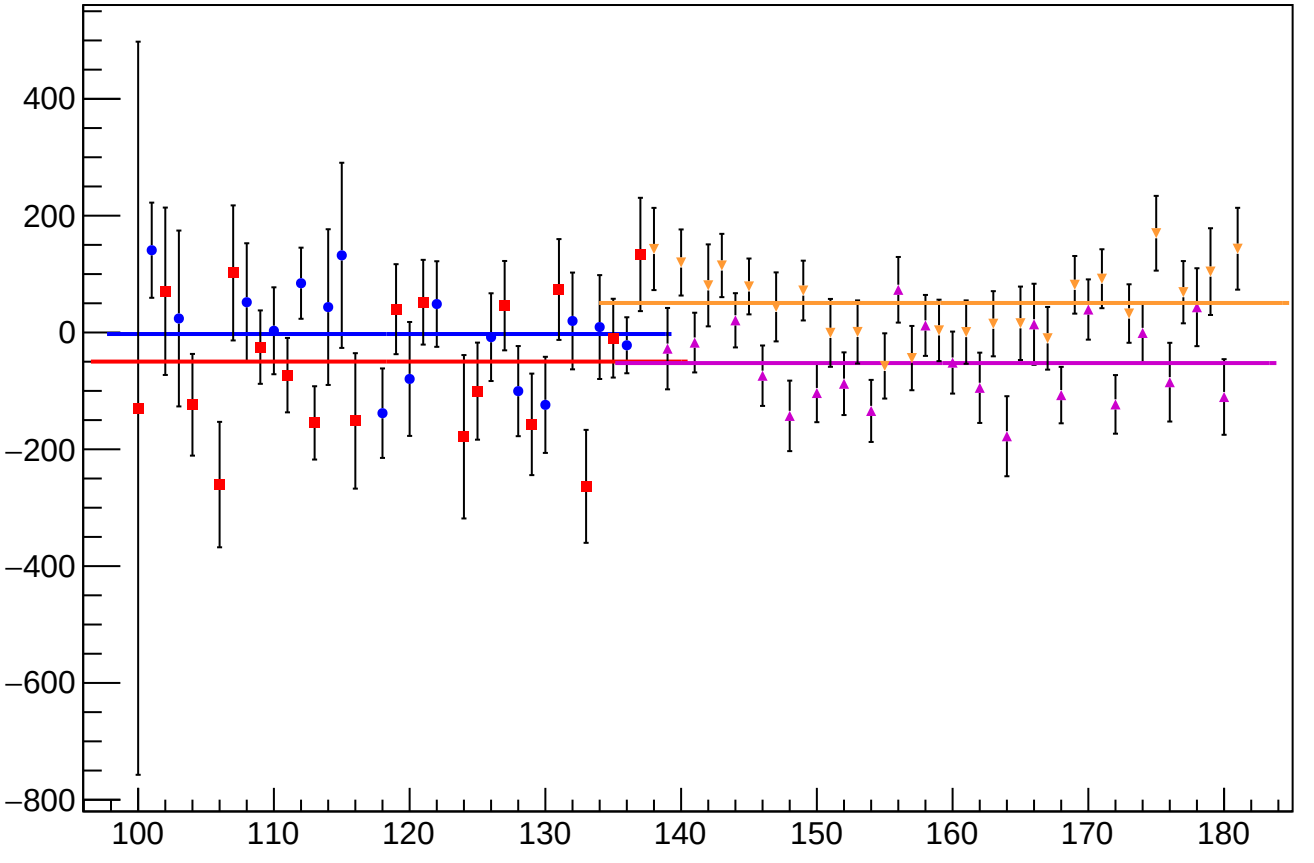
+ sign -0.000+/-0.000 χ^2/NDF: 32.8/38

All: -0.000+/-0.000 χ^2/NDF: 88.1/78

- sign -0.000+/-0.000 χ^2/NDF: 55.3/39


asym_sam_37_26_dd_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: 3590314.4/15
Left Out: 0.000+/-0.000 χ²/NDF:2600137.2/22
Right Out: 0.000+/-0.000 χ²/NDF: 4454808.3/18
Left In: 0.000+/-0.000 χ²/NDF:1751431.3/20
+ sign 0.000+/-0.000 χ²/NDF: 7556168.7/38
All: 0.000+/-0.000 χ²/NDF: 15422339.0/78
- sign 0.000+/-0.000 χ²/NDF: 7744221.0/39

reg_asym_sam_1357_avg_mean vs Slug



Right In: -2.614+/-19.994 χ^2/NDF: 14.6/15

Left Out: 50.536+/-11.736 χ^2/NDF:24.3/22

Right Out: -49.810+/-19.621 χ^2/NDF: 29.4/18

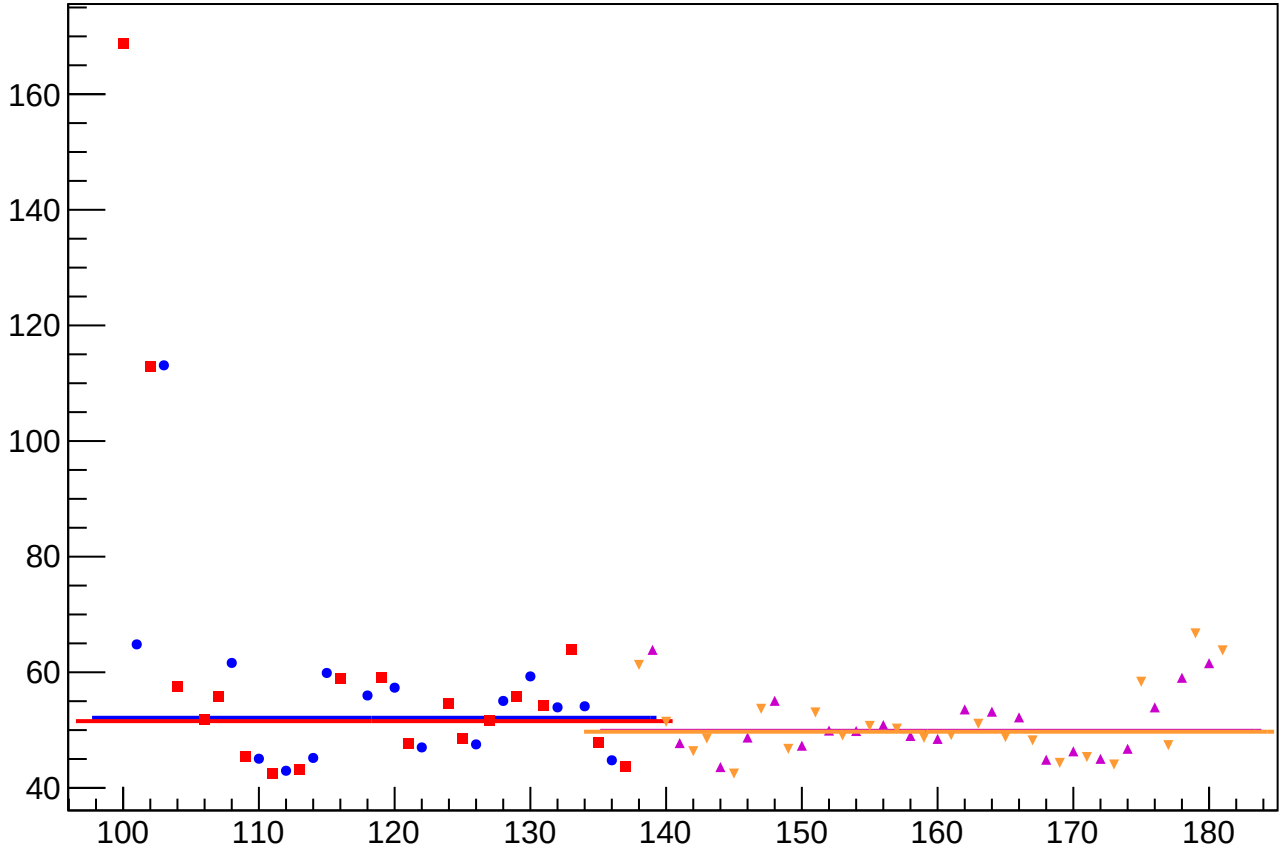
Left In: -52.346+/-12.120 χ^2/NDF:31.2/20

+ sign 36.916+/-10.121 χ^2/NDF: 44.2/38

All: -6.542+/-7.223 χ^2/NDF: 142.3/78

- sign -51.646+/-10.311 χ^2/NDF: 60.5/39

reg_asym_sam_1357_avg_rms vs Slug



Right In: 52.128+/-0.014 χ^2/NDF: 562918.0/15

Left Out: 49.720+/-0.008 χ^2/NDF:425411.1/22

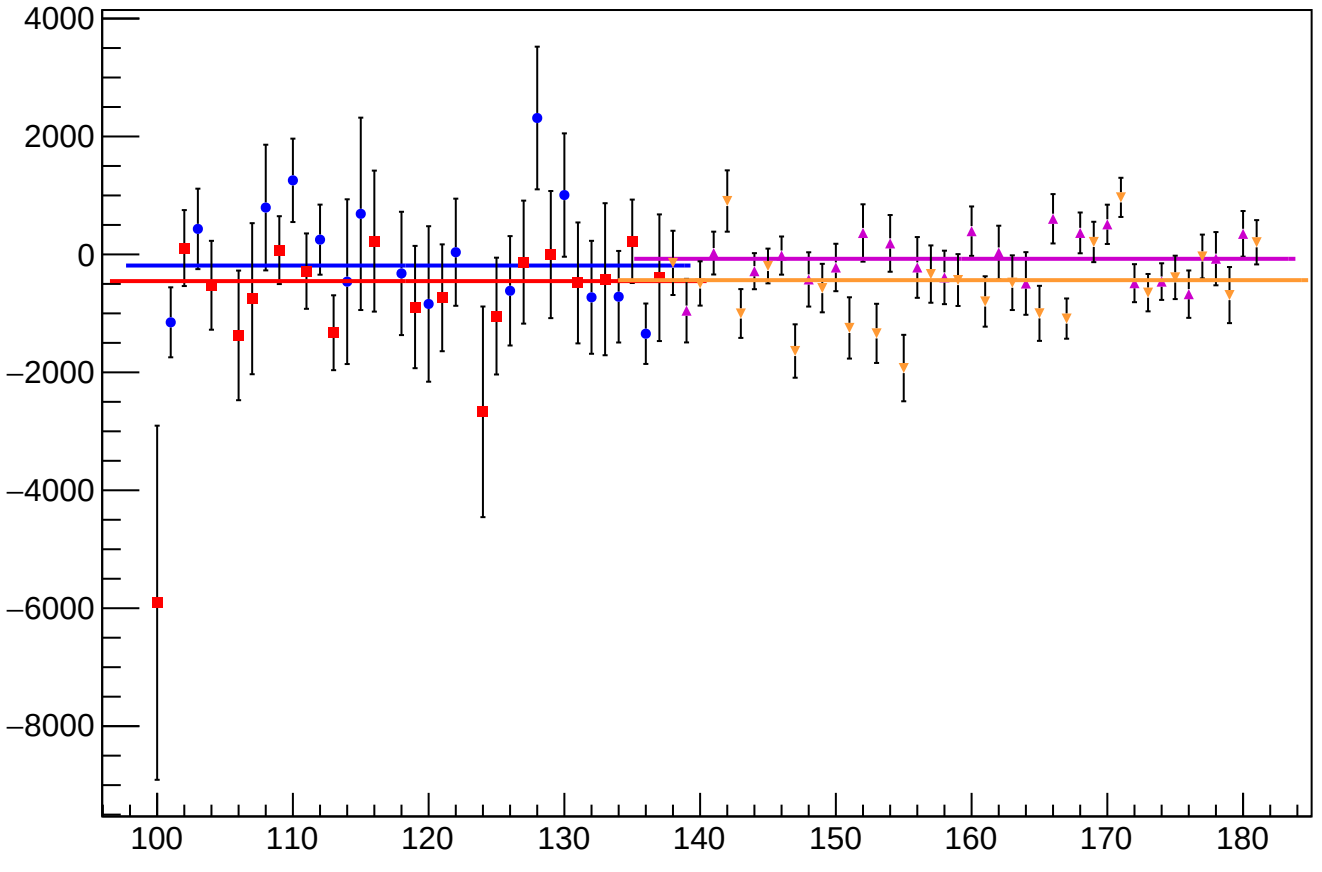
Right Out: 51.550+/-0.014 χ^2/NDF: 639564.9/18

Left In: 49.875+/-0.009 χ^2/NDF:326323.0/20

+ sign 50.337+/-0.007 χ^2/NDF: 1009913.6/38

All: 50.337+/-0.005 χ^2/NDF: 1986348.4/78

- sign 50.338+/-0.007 χ^2/NDF: 976434.8/39



Right In: -188.563+/-205.811 χ^2/NDF: 21.4/15

Left Out: -436.515+/-84.658 χ^2/NDF:61.5/22

Right Out: -452.540+/-203.918 χ^2/NDF: 11.3/18

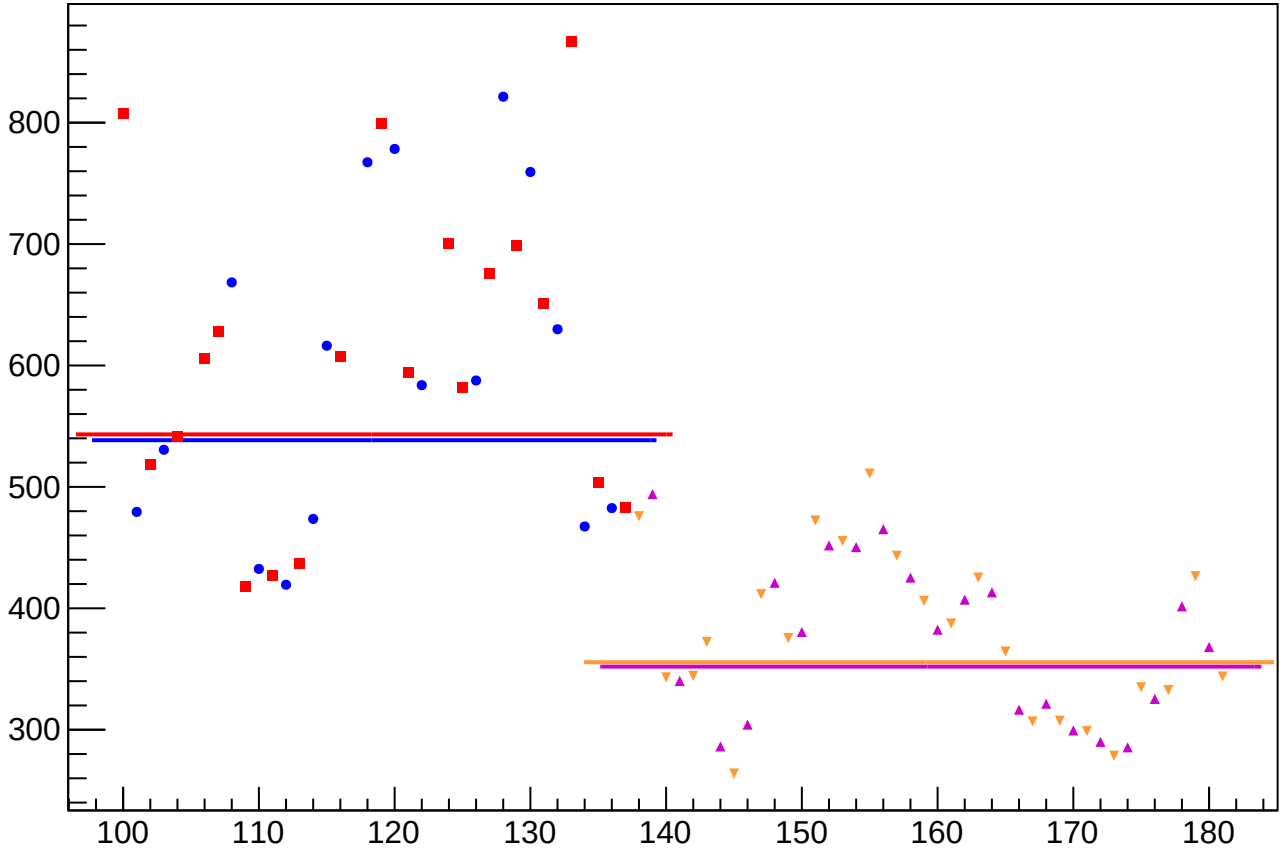
Left In: -74.571+/-86.299 χ^2/NDF:21.5/20

\+ sign -400.633+/-78.293 χ^2/NDF: 84.1/38

All: -268.321+/-55.775 χ^2/NDF: 125.6/78

\- sign -131.984+/-79.475 χ^2/NDF: 35.7/39

asym_sam_1357_avg_reg_correction_rms vs Slug



Right In: 538.468+/-0.146 χ^2/NDF: 613995.2/15

Left Out: 355.600+/-0.060 χ^2/NDF:1130336.5/22

Right Out: 543.242+/-0.144 χ^2/NDF: 637115.5/18

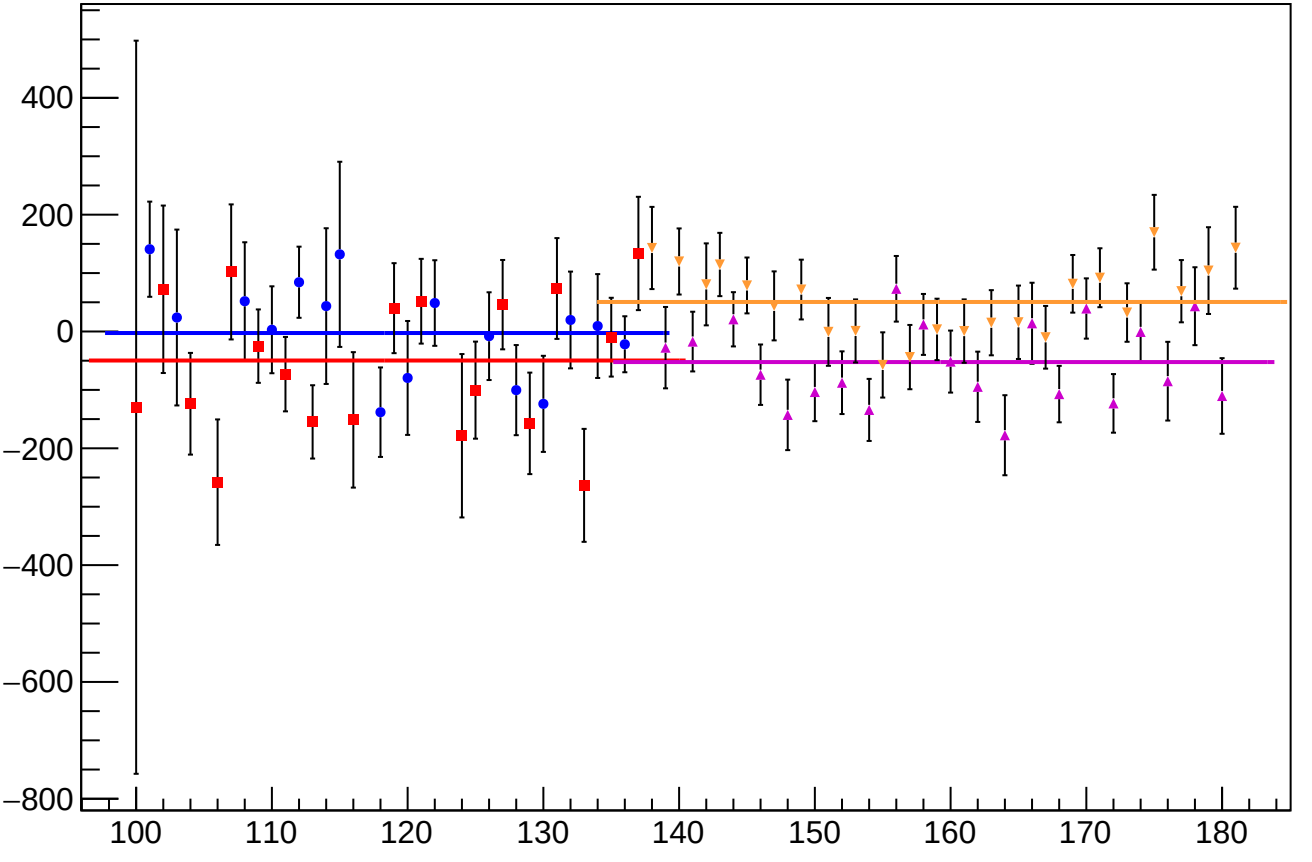
Left In: 351.985+/-0.061 χ^2/NDF:997345.6/20

\+ sign 382.063+/-0.055 χ^2/NDF: 3094789.6/38

All: 381.557+/-0.039 χ^2/NDF: 6221536.6/78

\- sign 381.036+/-0.056 χ^2/NDF: 3126577.6/39

cor_asym_sam_1357_avg_mean vs Slug



Right In: -2.618+/-19.995 χ^2/NDF: 14.6/15

Left Out: 50.538+/-11.736 χ^2/NDF:24.3/22

Right Out: -49.694+/-19.622 χ^2/NDF: 29.3/18

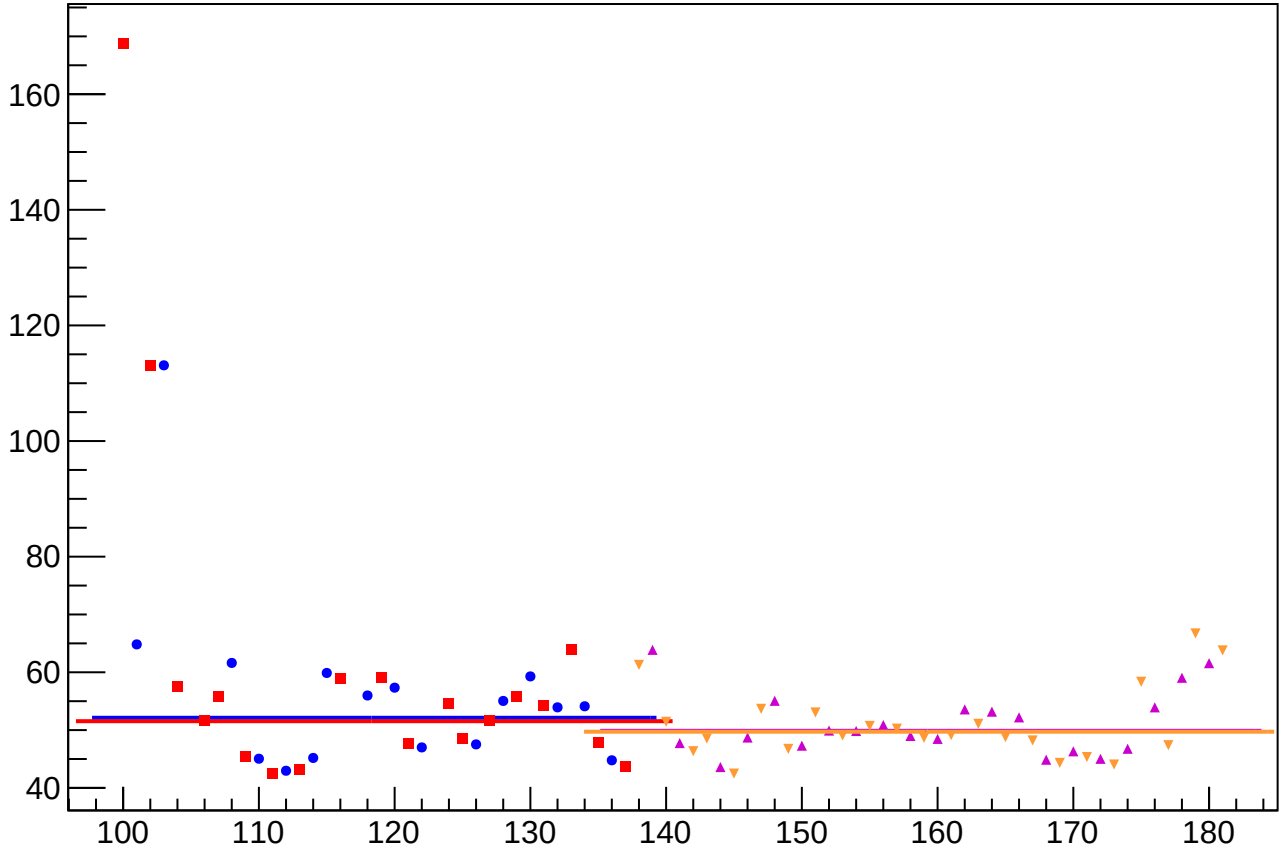
Left In: -52.345+/-12.120 χ^2/NDF:31.2/20

+ sign 36.917+/-10.121 χ^2/NDF: 44.2/38

All: -6.525+/-7.223 χ^2/NDF: 142.2/78

- sign -51.613+/-10.311 χ^2/NDF: 60.5/39

cor_asym_sam_1357_avg_rms vs Slug



Right In: 52.128+/-0.014 χ^2/NDF: 562920.3/15

Left Out: 49.720+/-0.008 χ^2/NDF:425411.1/22

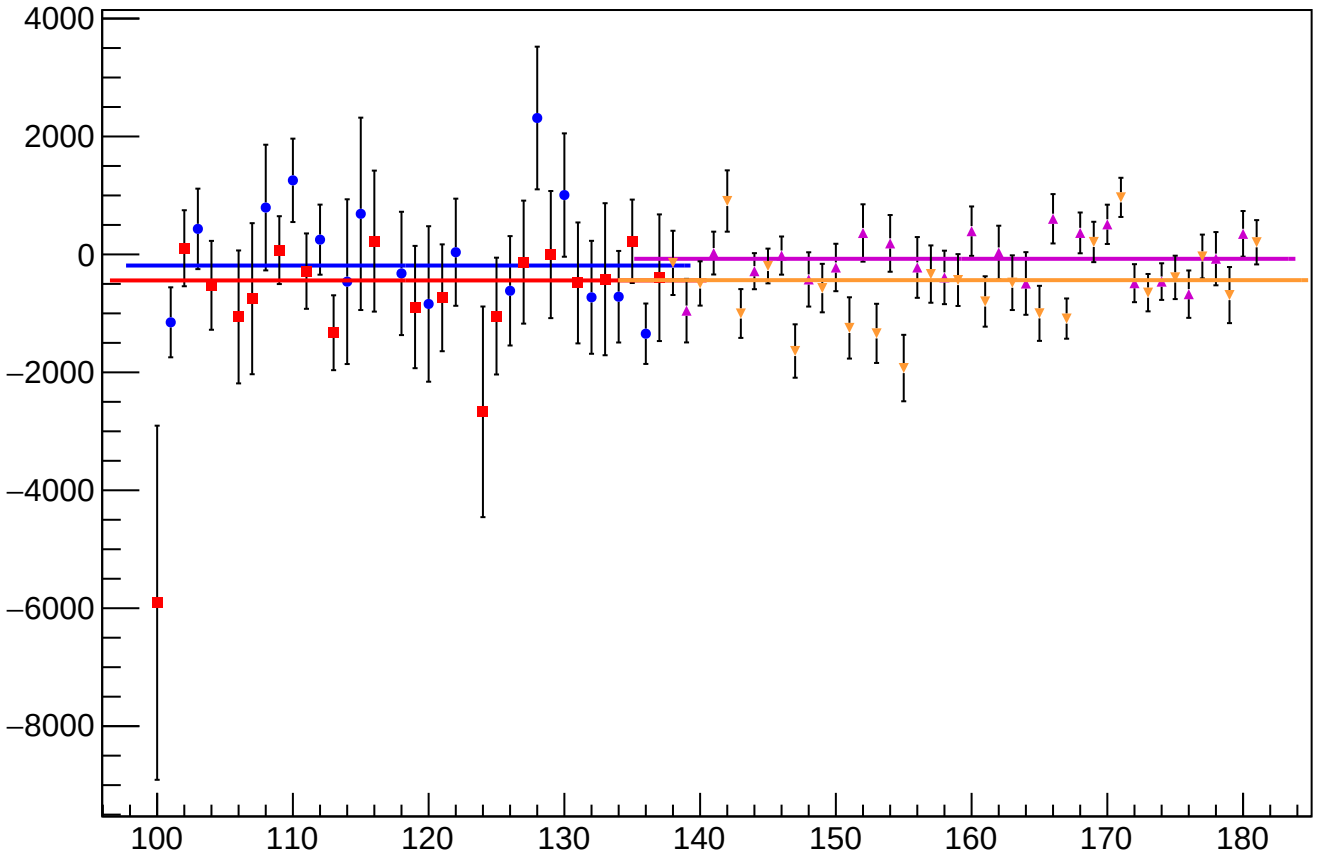
Right Out: 51.540+/-0.014 χ^2/NDF: 639784.7/18

Left In: 49.875+/-0.009 χ^2/NDF:326323.0/20

+ sign 50.337+/-0.007 χ^2/NDF: 1009915.9/38

All: 50.336+/-0.005 χ^2/NDF: 1986440.8/78

- sign 50.335+/-0.007 χ^2/NDF: 976524.8/39



Right In: -188.541+/-205.813 χ^2/NDF: 21.4/15

Left Out: -436.512+/-84.658 χ^2/NDF:61.5/22

Right Out: -441.171+/-204.111 χ^2/NDF: 10.9/18

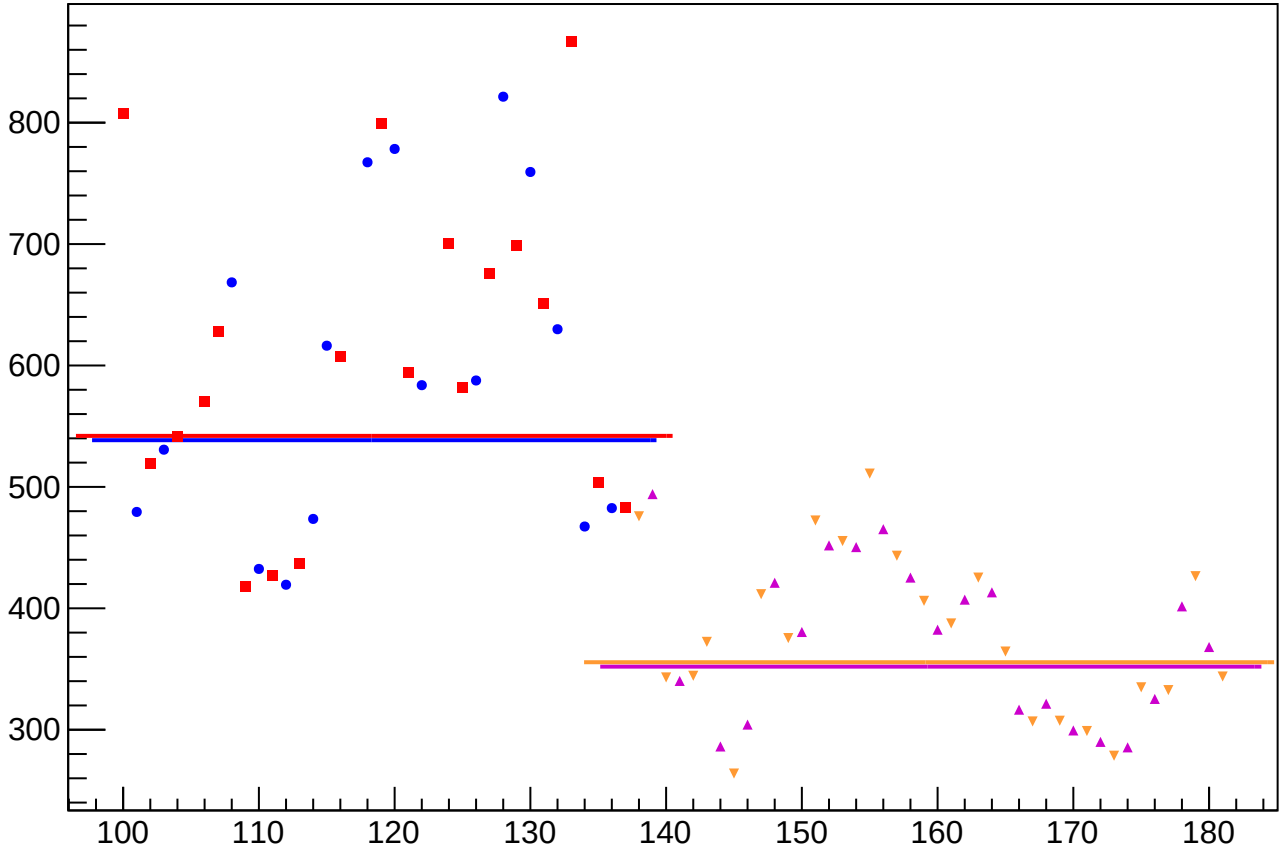
Left In: -74.571+/-86.299 χ^2/NDF:21.5/20

+ sign -400.628+/-78.293 χ^2/NDF: 84.1/38

All: -267.443+/-55.779 χ^2/NDF: 125.0/78

- sign -130.167+/-79.486 χ^2/NDF: 35.1/39

asym_sam_1357_avg_cor_correction_rms vs Slug



Right In: 538.473+/-0.146 χ^2/NDF: 613991.3/15

Left Out: 355.599+/-0.060 χ^2/NDF:1130340.5/22

Right Out: 542.025+/-0.144 χ^2/NDF: 631559.6/18

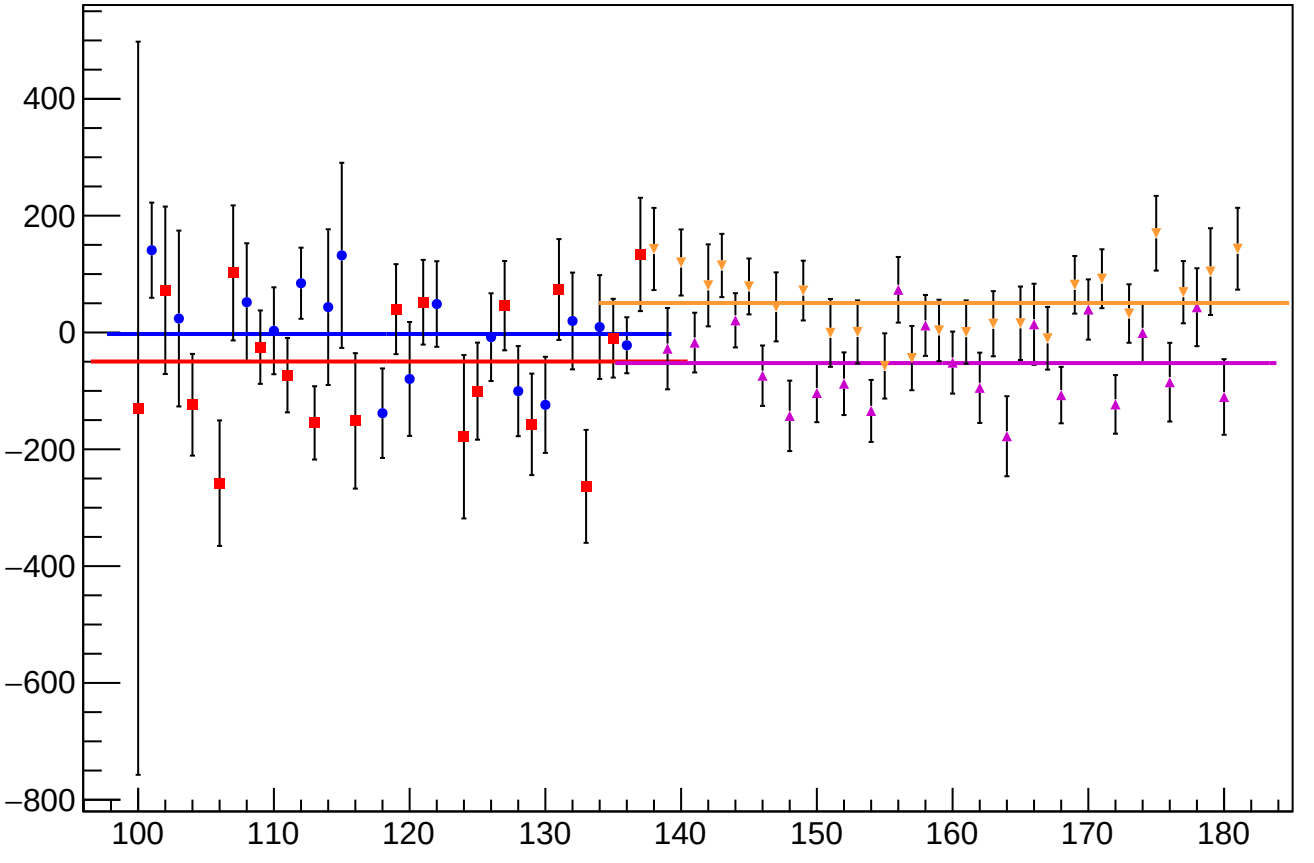
Left In: 351.985+/-0.061 χ^2/NDF:997345.6/20

\+ sign 382.063+/-0.055 χ^2/NDF: 3094848.3/38

All: 381.444+/-0.039 χ^2/NDF: 6194842.3/78

\- sign 380.805+/-0.056 χ^2/NDF: 3099739.7/39

eigen_cor_asym_sam_1357_avg_mean vs Slug



Right In: -2.618+/-19.995 χ^2/NDF: 14.6/15

Left Out: 50.538+/-11.736 χ^2/NDF:24.3/22

Right Out: -49.694+/-19.622 χ^2/NDF: 29.3/18

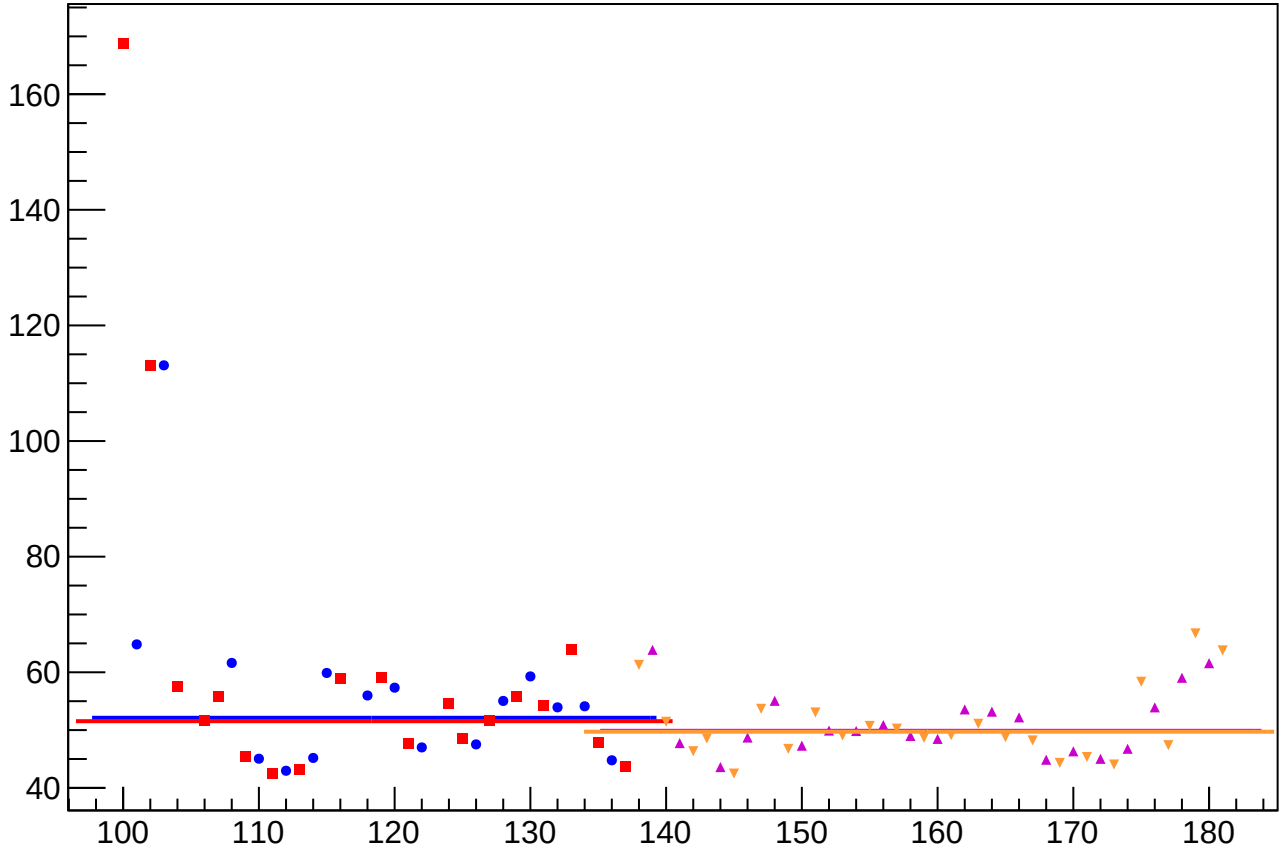
Left In: -52.345+/-12.120 χ^2/NDF:31.2/20

+ sign 36.917+/-10.121 χ^2/NDF: 44.2/38

All: -6.525+/-7.223 χ^2/NDF: 142.2/78

- sign -51.613+/-10.311 χ^2/NDF: 60.5/39

eigen_cor_asym_sam_1357_avg_rms vs Slug



Right In: 52.128+/-0.014 χ^2/NDF: 562920.3/15

Left Out: 49.720+/-0.008 χ^2/NDF:425411.1/22

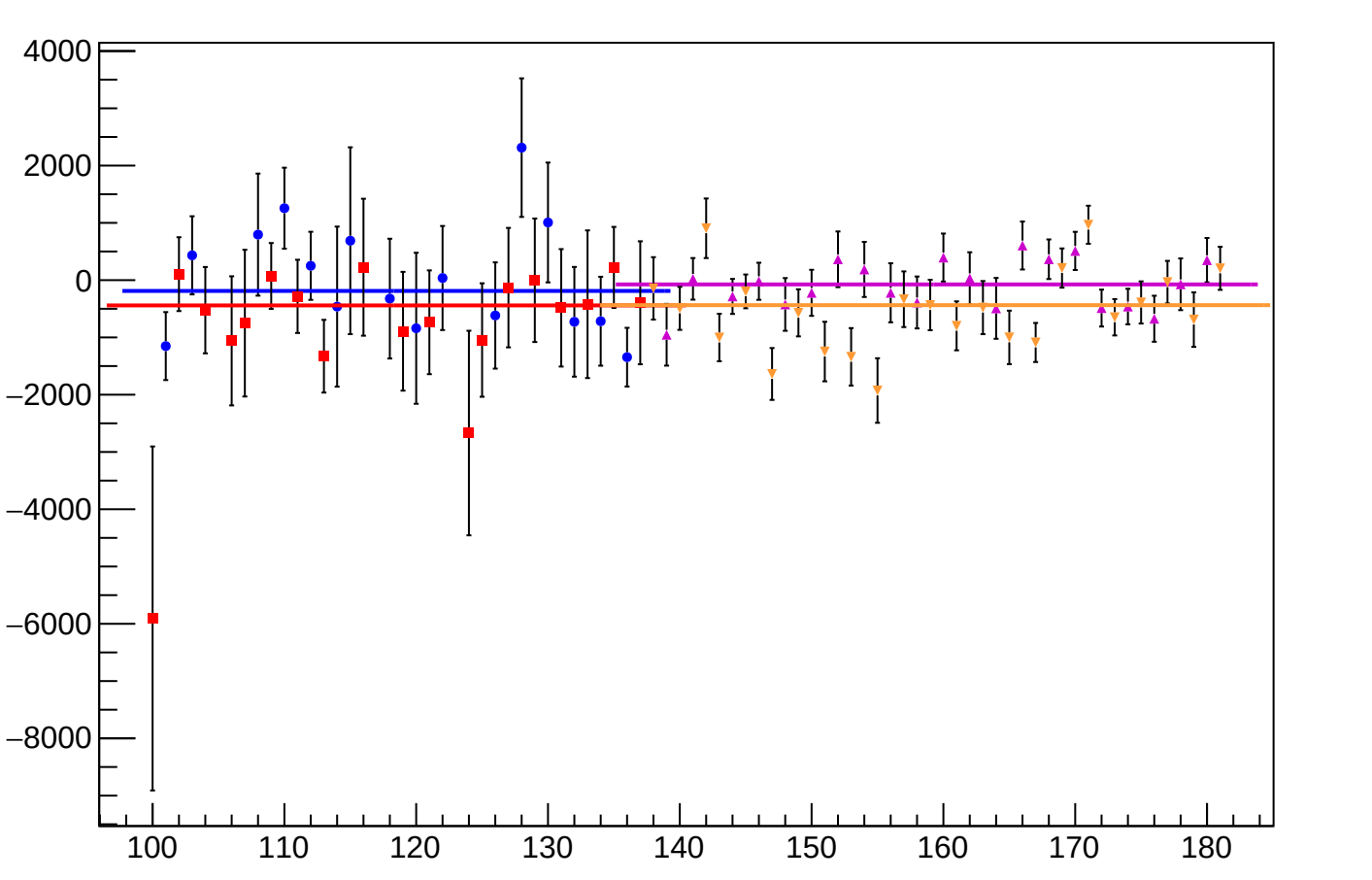
Right Out: 51.540+/-0.014 χ^2/NDF: 639784.7/18

Left In: 49.875+/-0.009 χ^2/NDF:326323.0/20

+ sign 50.337+/-0.007 χ^2/NDF: 1009915.9/38

All: 50.336+/-0.005 χ^2/NDF: 1986440.8/78

- sign 50.335+/-0.007 χ^2/NDF: 976524.8/39



Right In: -188.541+/-205.813 χ^2/NDF: 21.4/15

Left Out: -436.512+/-84.658 χ^2/NDF:61.5/22

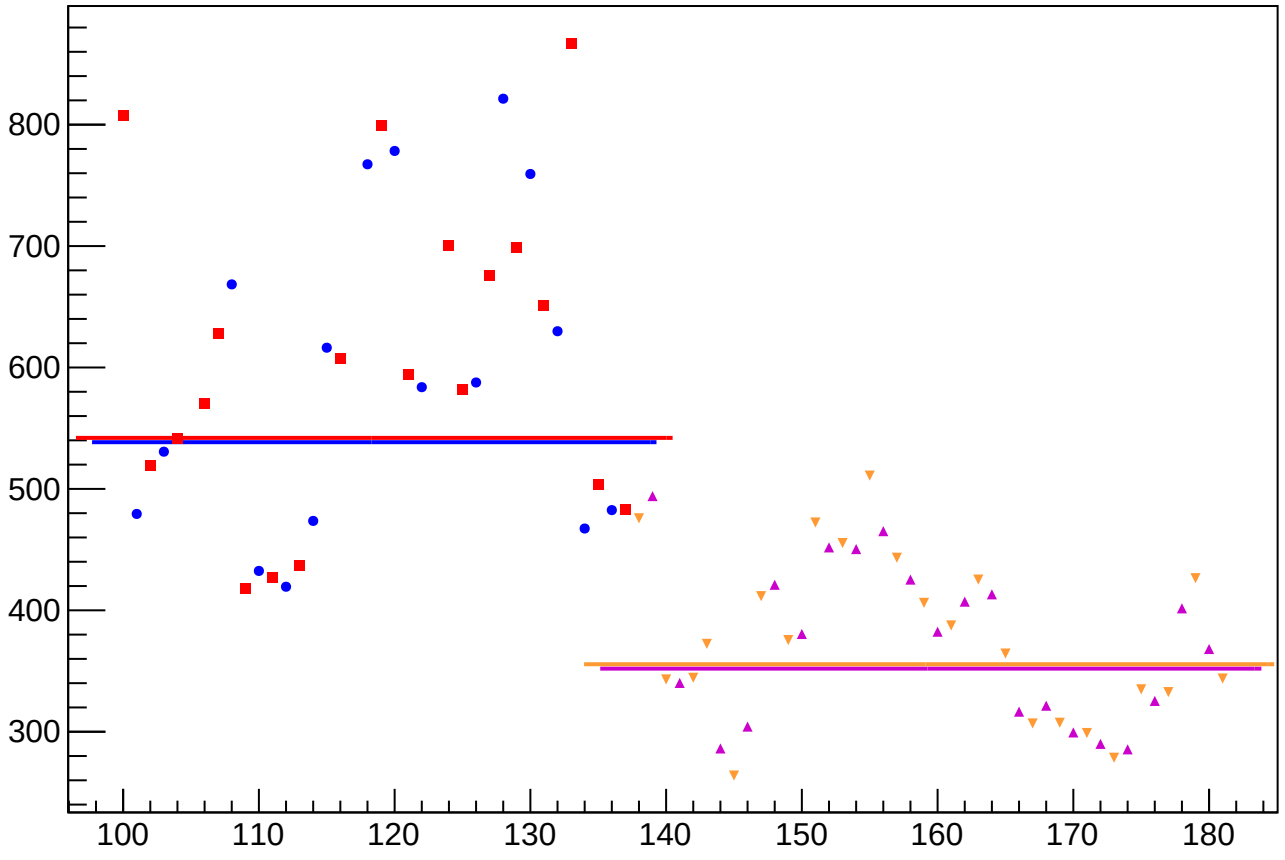
Right Out: -441.171+/-204.111 χ^2/NDF: 10.9/18

Left In: -74.571+/-86.299 χ^2/NDF:21.5/20

+ sign -400.628+/-78.293 χ^2/NDF: 84.1/38

All: -267.443+/-55.779 χ^2/NDF: 125.0/78

- sign -130.167+/-79.486 χ^2/NDF: 35.1/39



Right In: 538.473+/-0.146 χ^2/NDF: 613991.3/15

Left Out: 355.599+/-0.060 χ^2/NDF:1130340.5/22

Right Out: 542.025+/-0.144 χ^2/NDF: 631559.6/18

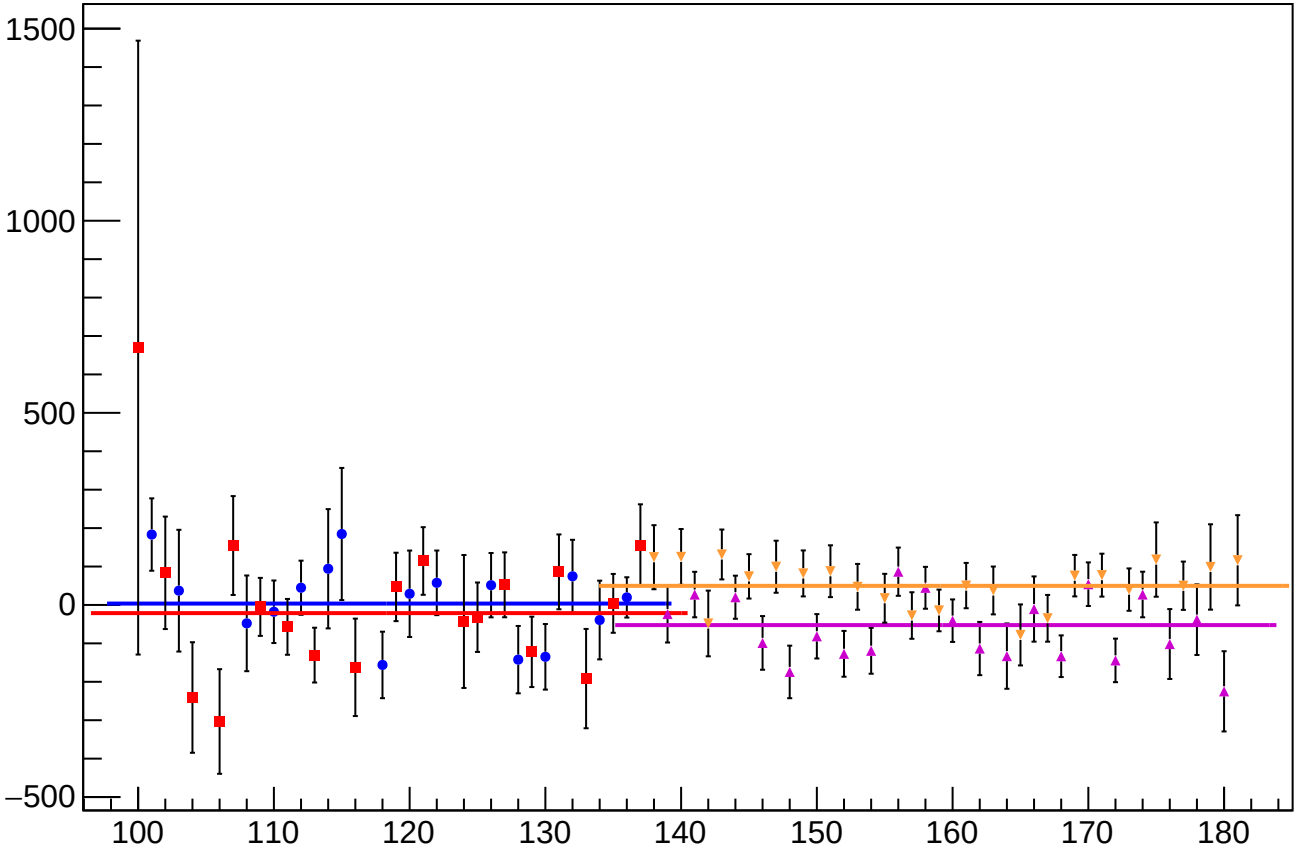
Left In: 351.985+/-0.061 χ^2/NDF:997345.6/20

+ sign 382.063+/-0.055 χ^2/NDF: 3094848.3/38

All: 381.444+/-0.039 χ^2/NDF: 6194842.3/78

- sign 380.805+/-0.056 χ^2/NDF: 3099739.7/39

dit_asym_sam_1357_avg_mean vs Slug



Right In: 3.597+/-22.480 χ^2/NDF: 16.1/15

Left Out: 49.738+/-13.676 χ^2/NDF:15.5/22

Right Out: -21.253+/-22.769 χ^2/NDF: 24.4/18

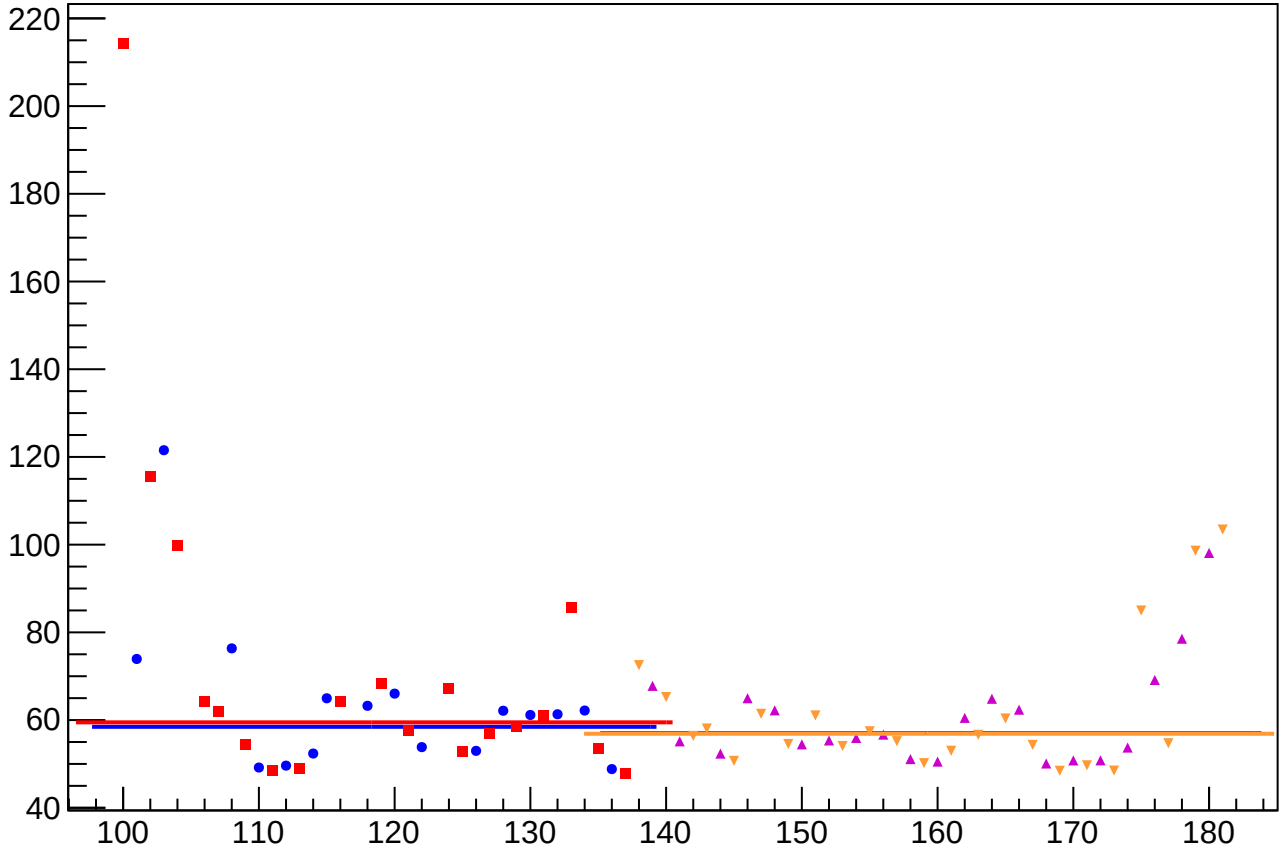
Left In: -52.449+/-14.079 χ^2/NDF:33.6/20

+ sign 37.274+/-11.684 χ^2/NDF: 34.7/38

All: -2.276+/-8.363 χ^2/NDF: 117.6/78

- sign -43.821+/-11.975 χ^2/NDF: 59.4/39

dit_asym_sam_1357_avg_rms vs Slug



Right In: 58.465+/-0.016 χ^2/NDF: 582984.2/15

Left Out: 56.883+/-0.010 χ^2/NDF:1089484.6/22

Right Out: 59.484+/-0.016 χ^2/NDF: 784880.1/18

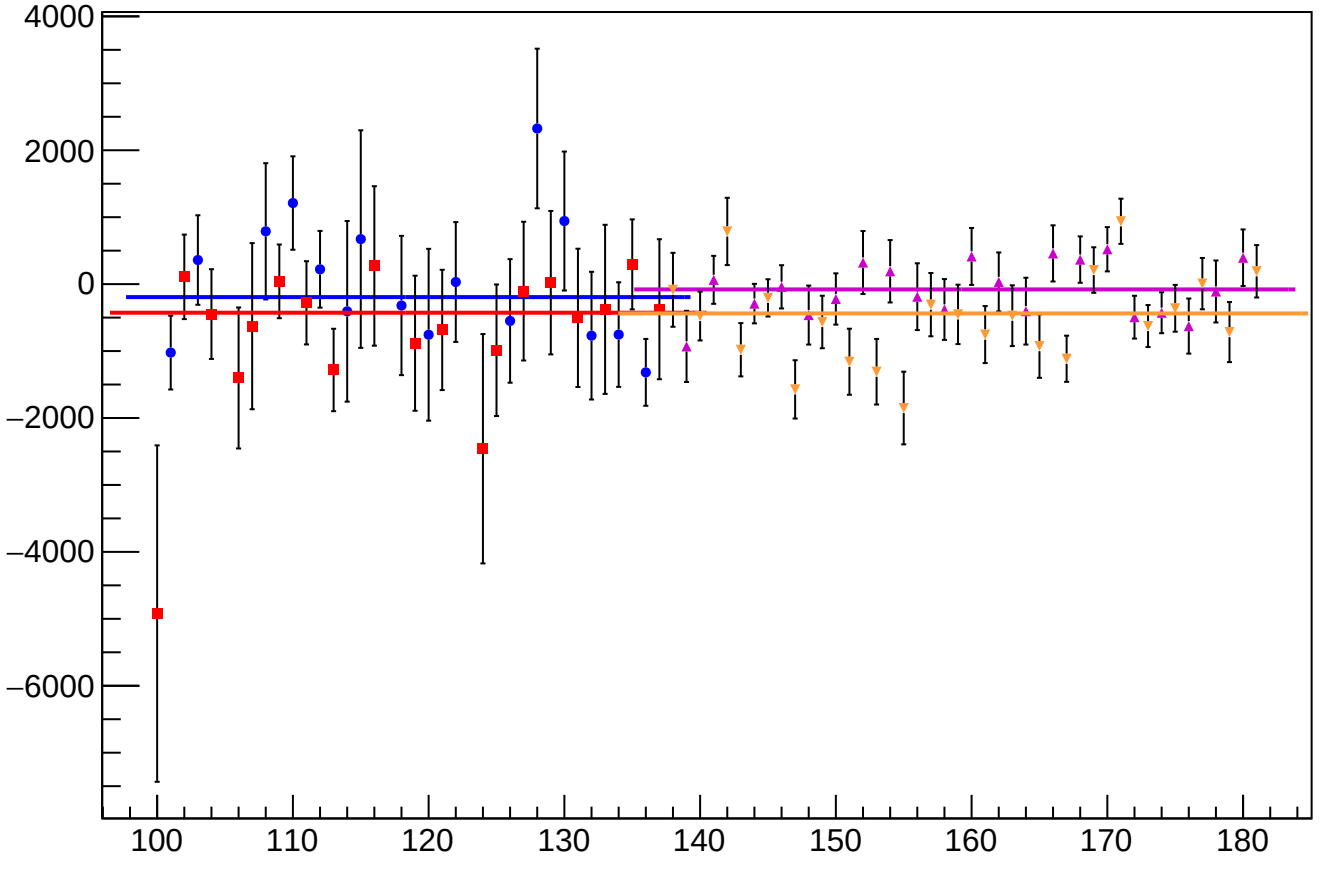
Left In: 57.050+/-0.010 χ^2/NDF:724680.8/20

+ sign 57.310+/-0.008 χ^2/NDF: 1679703.8/38

All: 57.512+/-0.006 χ^2/NDF: 3207019.7/78

- sign 57.723+/-0.008 χ^2/NDF: 1526098.2/39

asym_sam_1357_avg_dit_correction_mean vs Slug



Right In: -193.899+/-200.604 χ^2/NDF: 20.8/15

Left Out: -437.768+/-83.239 χ^2/NDF:58.5/22

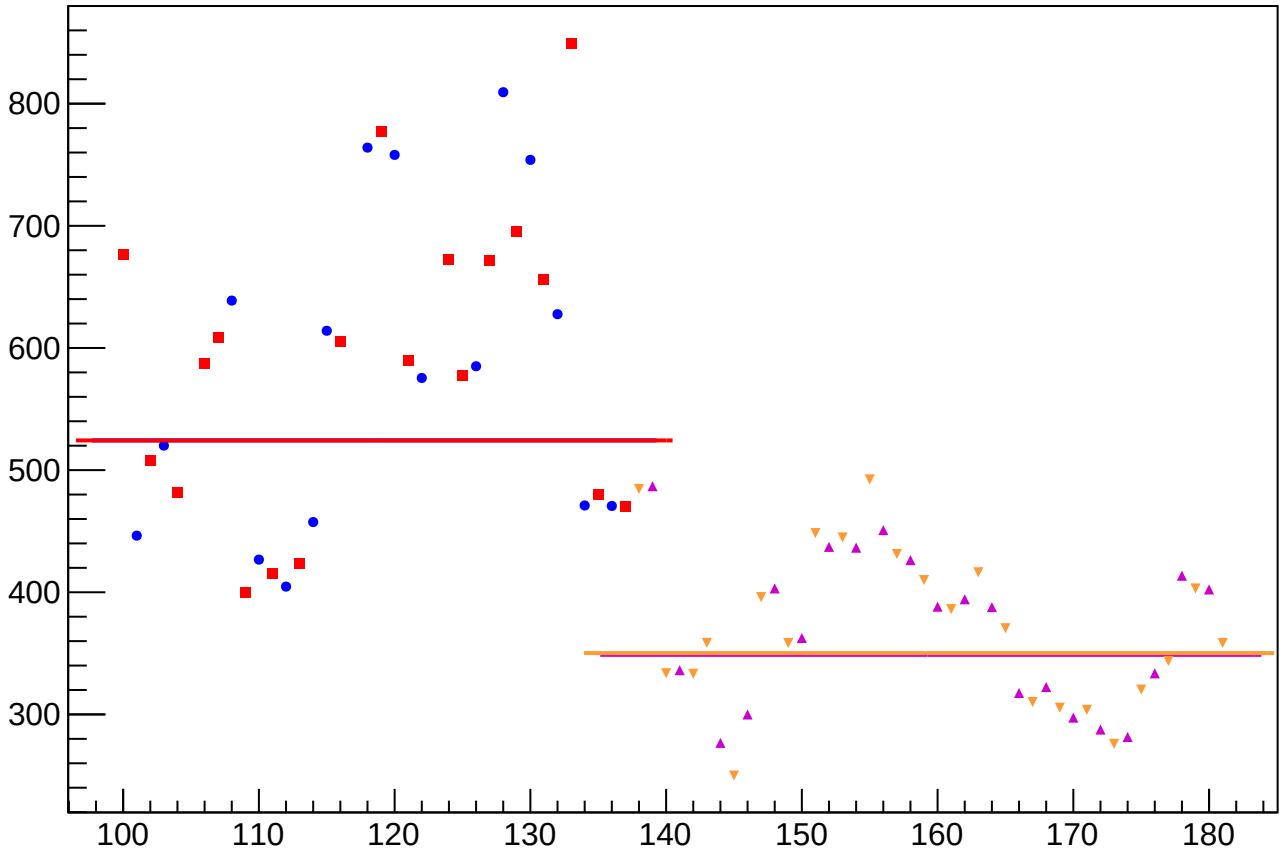
Right Out: -426.977+/-197.005 χ^2/NDF: 11.3/18

Left In: -79.022+/-85.488 χ^2/NDF:20.1/20

+ sign -401.946+/-76.883 χ^2/NDF: 80.5/38

All: -270.707+/-54.901 χ^2/NDF: 120.5/78

- sign -134.160+/-78.422 χ^2/NDF: 34.1/39



Right In: 524.326+/-0.142 χ^2/NDF: 658488.5/15

Left Out: 350.205+/-0.059 χ^2/NDF:1111236.5/22

Right Out: 524.306+/-0.139 χ^2/NDF: 686061.2/18

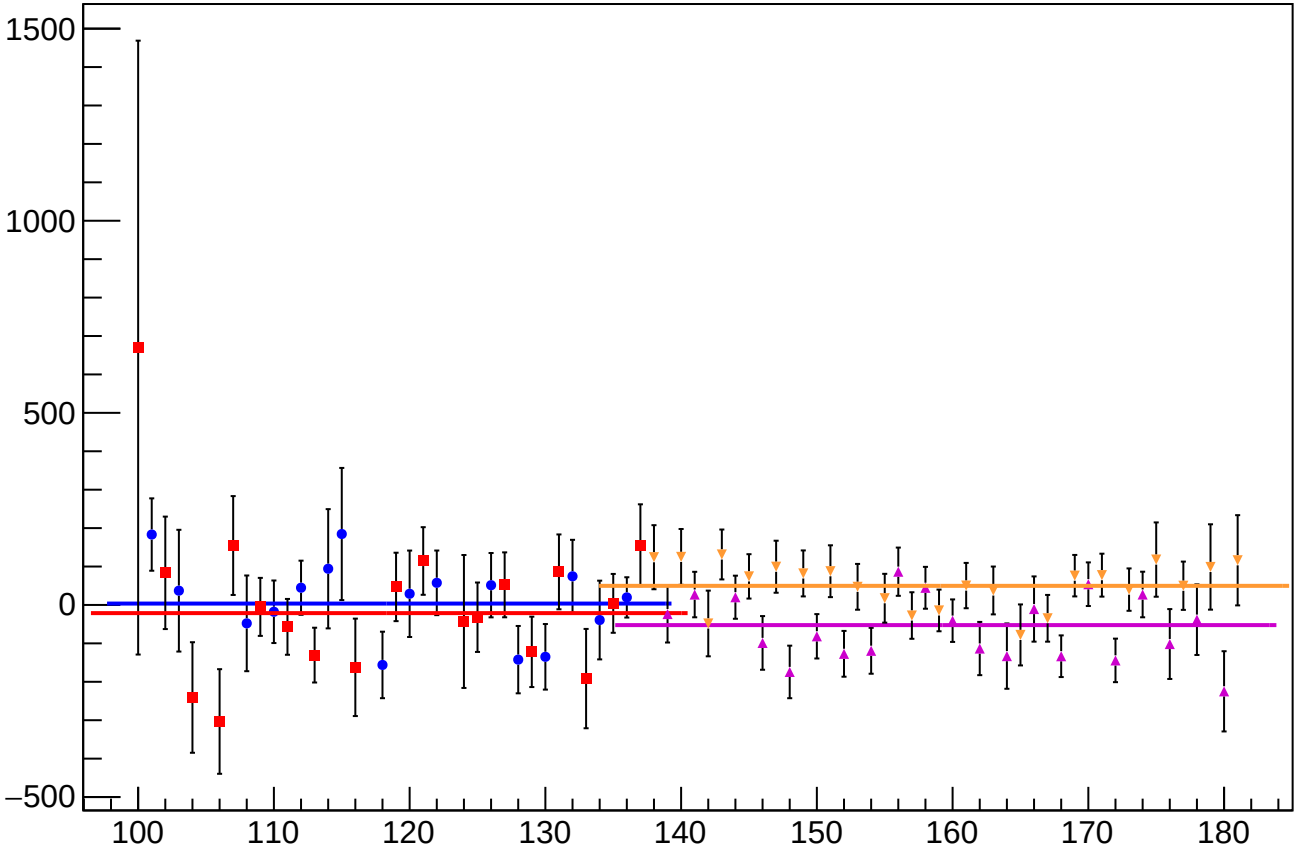
Left In: 348.755+/-0.060 χ^2/NDF:984489.7/20

+ sign 375.781+/-0.054 χ^2/NDF: 3055200.8/38

All: 376.169+/-0.039 χ^2/NDF: 6062316.0/78

- sign 376.574+/-0.055 χ^2/NDF: 3007011.0/39

eigen_dit_asym_sam_1357_avg_mean vs Slug



Right In: 3.597+/-22.480 χ^2/NDF: 16.1/15

Left Out: 49.739+/-13.676 χ^2/NDF:15.5/22

Right Out: -21.251+/-22.769 χ^2/NDF: 24.4/18

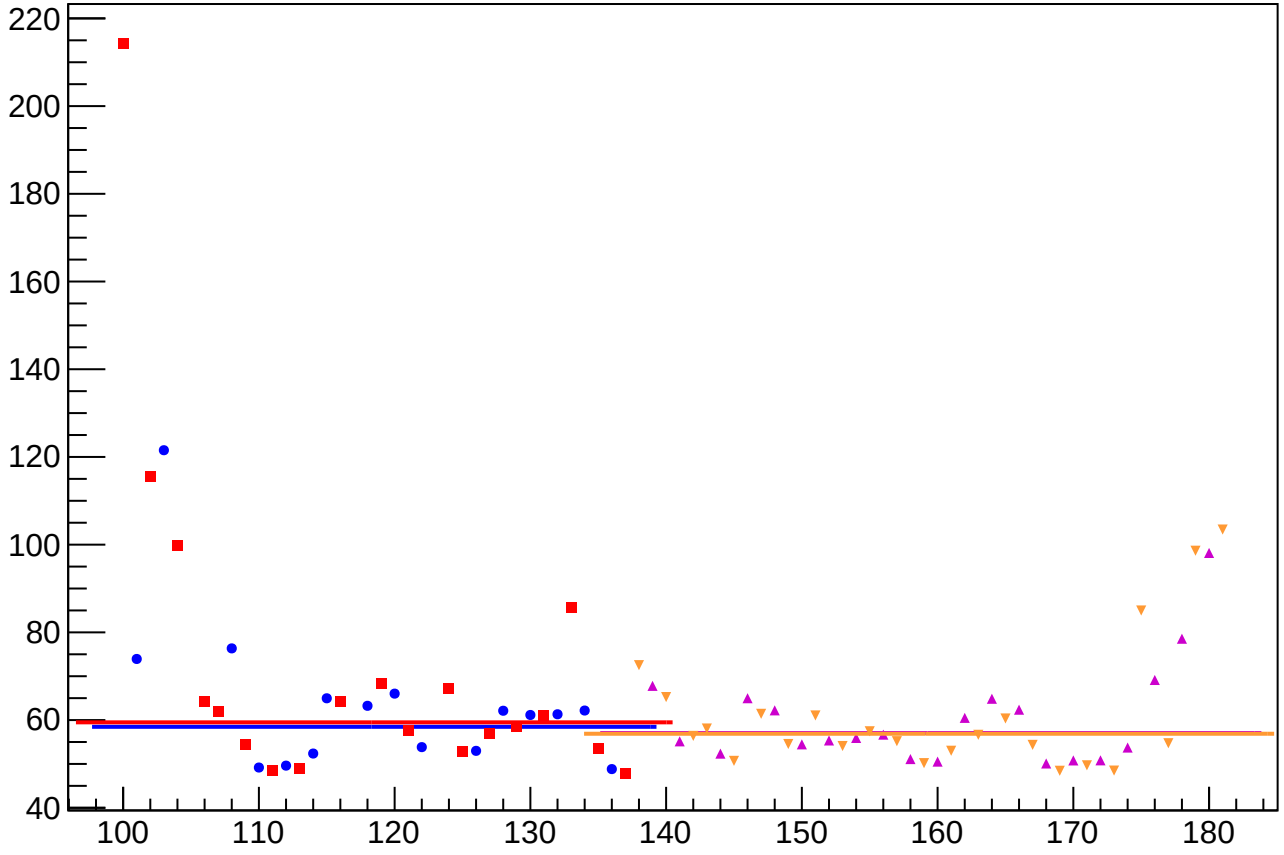
Left In: -52.449+/-14.079 χ^2/NDF:33.6/20

+ sign 37.275+/-11.684 χ^2/NDF: 34.7/38

All: -2.276+/-8.363 χ^2/NDF: 117.6/78

- sign -43.820+/-11.975 χ^2/NDF: 59.4/39

eigen_dit_asym_sam_1357_avg_rms vs Slug



Right In: 58.466+/-0.016 χ^2/NDF: 582980.6/15

Left Out: 56.883+/-0.010 χ^2/NDF:1089482.3/22

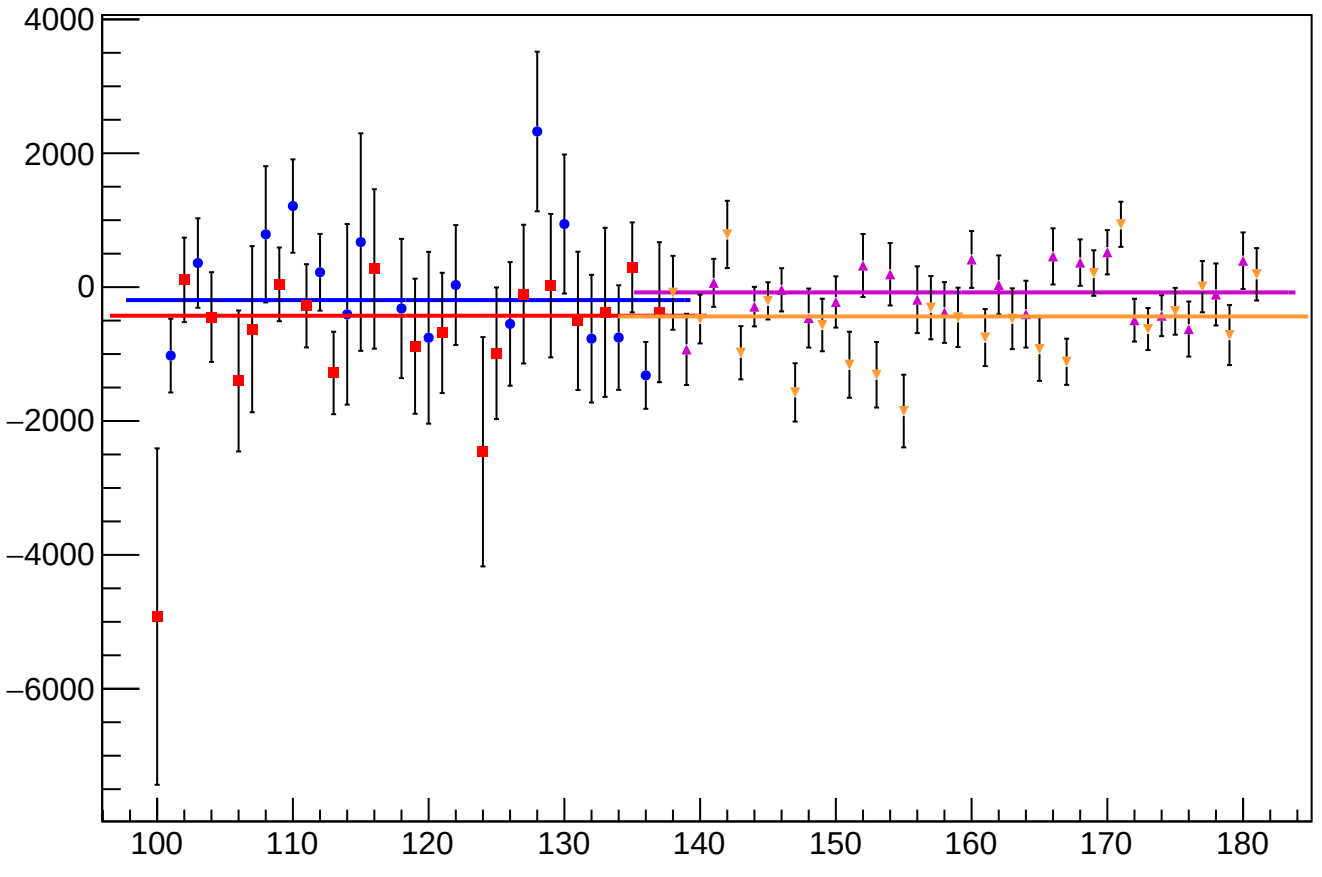
Right Out: 59.484+/-0.016 χ^2/NDF: 784880.2/18

Left In: 57.050+/-0.010 χ^2/NDF:724670.0/20

+ sign 57.310+/-0.008 χ^2/NDF: 1679698.0/38

All: 57.512+/-0.006 χ^2/NDF: 3207003.3/78

- sign 57.723+/-0.008 χ^2/NDF: 1526087.5/39



Right In: -193.899+/-200.603 χ^2/NDF: 20.8/15

Left Out: -437.767+/-83.239 χ^2/NDF:58.5/22

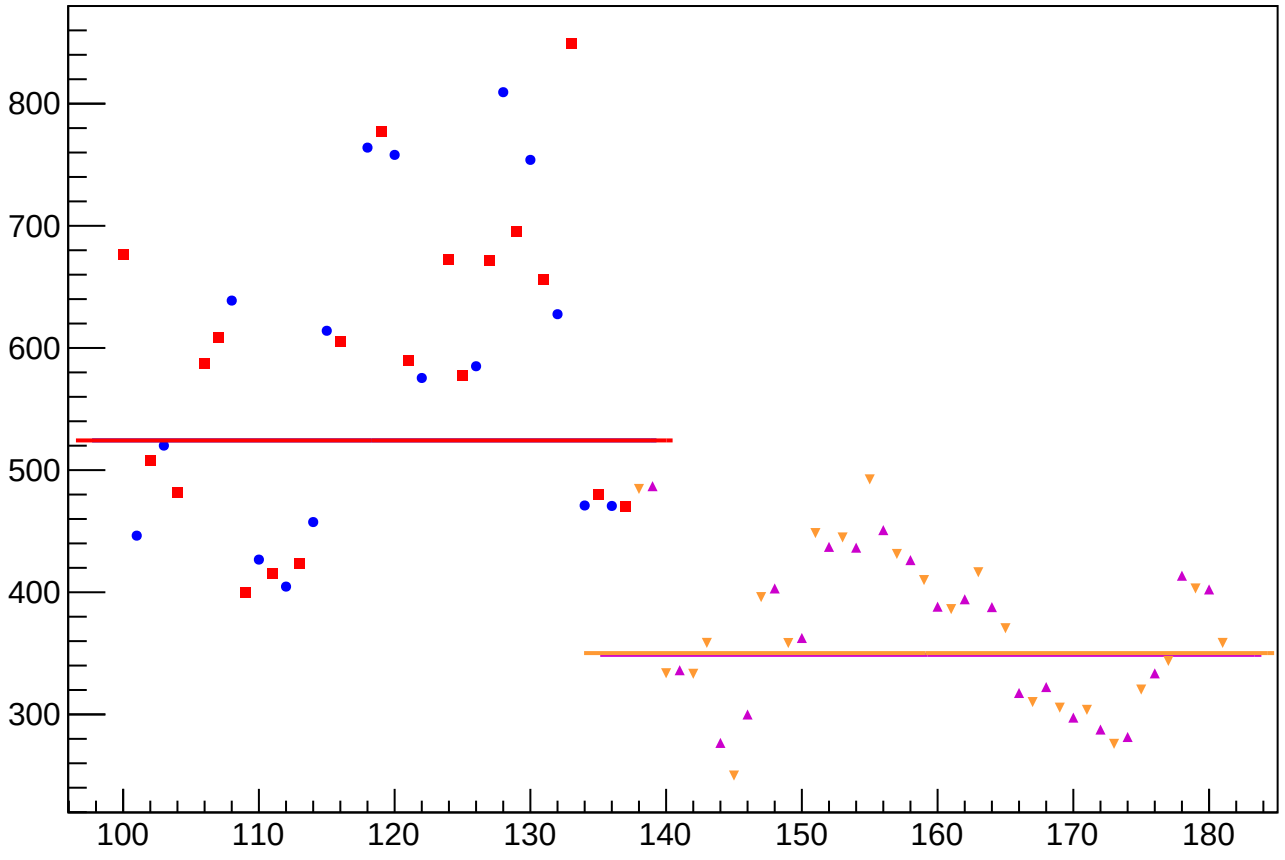
Right Out: -426.976+/-197.005 χ^2/NDF: 11.3/18

Left In: -79.022+/-85.487 χ^2/NDF:20.1/20

+ sign -401.946+/-76.883 χ^2/NDF: 80.5/38

All: -270.706+/-54.901 χ^2/NDF: 120.5/78

- sign -134.159+/-78.422 χ^2/NDF: 34.1/39



Right In: 524.325+/-0.142 χ^2/NDF: 658493.8/15

Left Out: 350.204+/-0.059 χ^2/NDF:1111231.8/22

Right Out: 524.305+/-0.139 χ^2/NDF: 686063.6/18

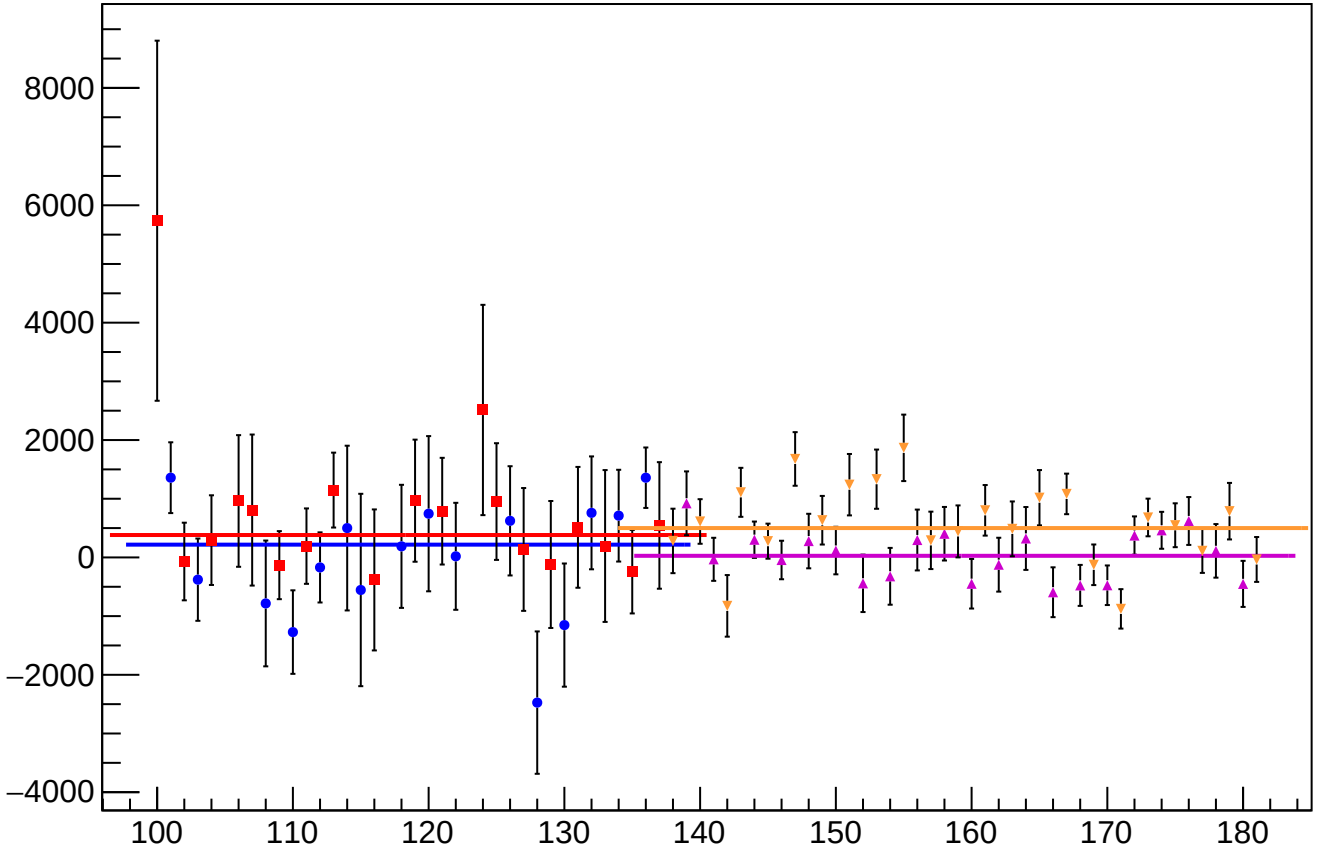
Left In: 348.755+/-0.060 χ^2/NDF:984483.0/20

+ sign 375.781+/-0.054 χ^2/NDF: 3055194.9/38

All: 376.169+/-0.039 χ^2/NDF: 6062297.2/78

- sign 376.573+/-0.055 χ^2/NDF: 3006998.1/39

asym_sam_1357_avg_mean vs Slug



Right In: 217.756+/-207.492 χ^2/NDF: 22.9/15

Left Out: 500.227+/-85.560 χ^2/NDF:55.1/22

Right Out: 381.836+/-205.585 χ^2/NDF: 10.0/18

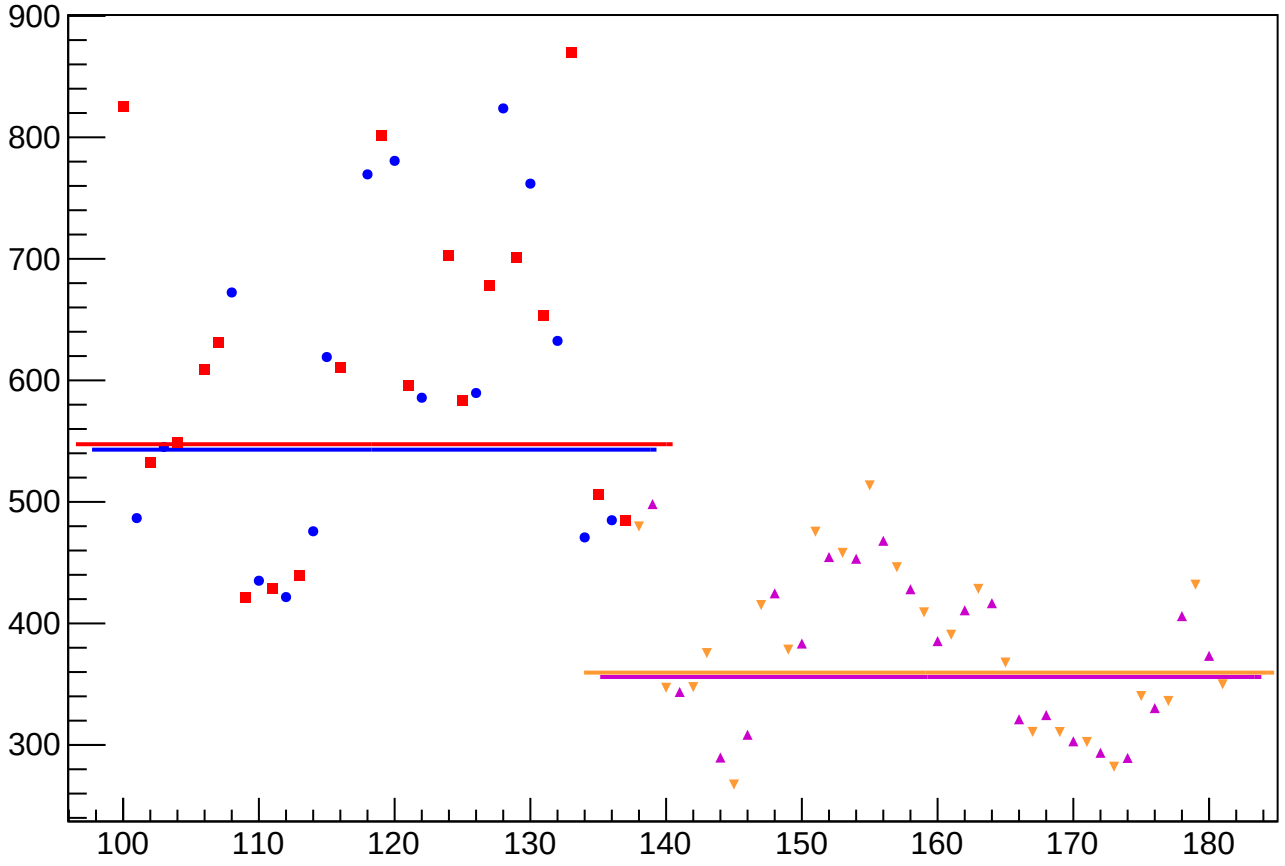
Left In: 27.627+/-87.231 χ^2/NDF:21.1/20

+ sign 459.177+/-79.099 χ^2/NDF: 79.6/38

All: 273.269+/-56.352 χ^2/NDF: 124.4/78

- sign 81.668+/-80.301 χ^2/NDF: 33.6/39

asym_sam_1357_avg_rms vs Slug



Right In: 542.997+/-0.147 χ^2/NDF: 605250.7/15

Left Out: 359.528+/-0.061 χ^2/NDF:1104324.2/22

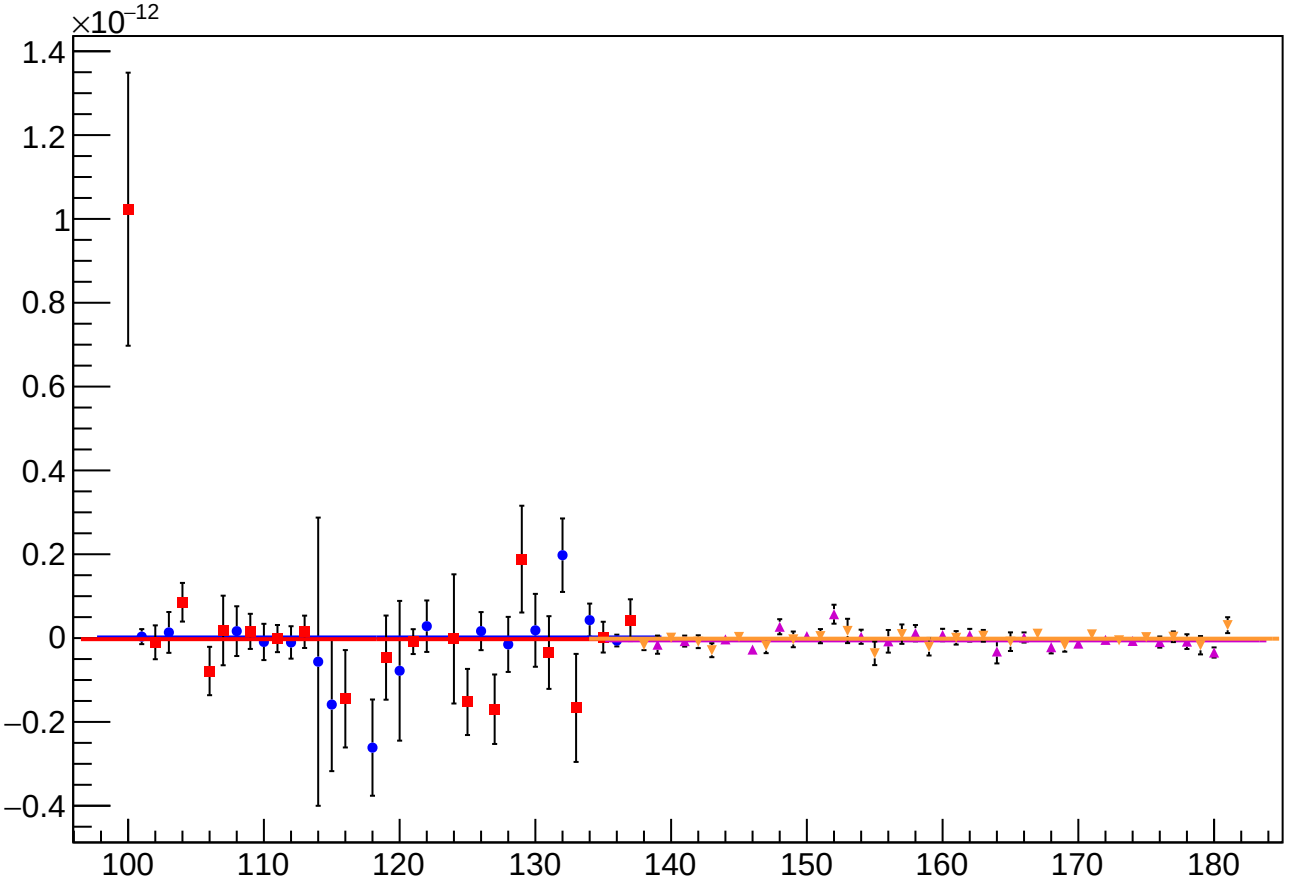
Right Out: 547.465+/-0.145 χ^2/NDF: 630284.0/18

Left In: 355.922+/-0.062 χ^2/NDF:973362.5/20

+ sign 386.191+/-0.056 χ^2/NDF: 3046029.8/38

All: 385.676+/-0.040 χ^2/NDF: 6121084.3/78

- sign 385.145+/-0.057 χ^2/NDF: 3074882.3/39



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

Left Out: -0.000+/-0.000 χ^2/NDF:15.7/22

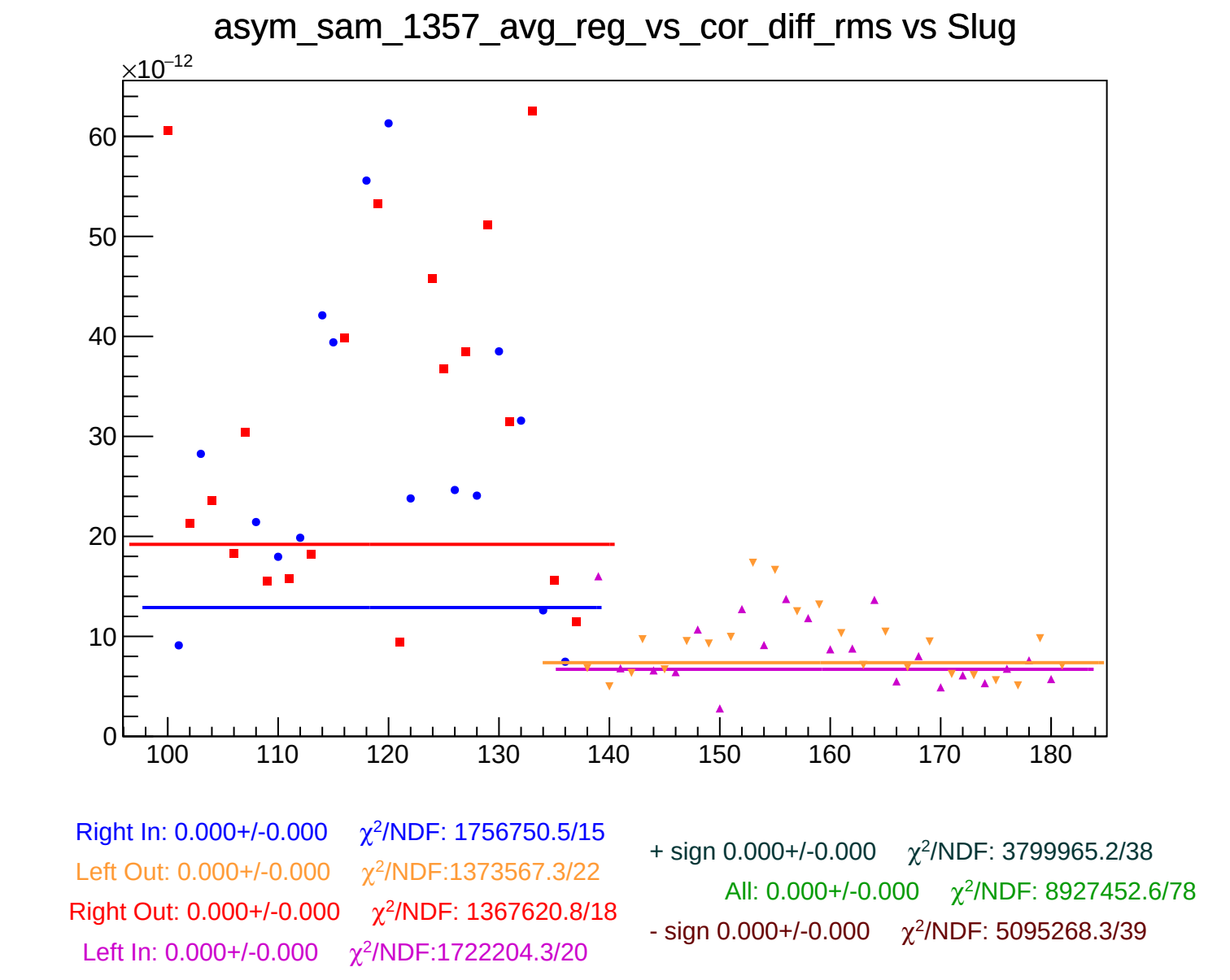
Right Out: -0.000+/-0.000 χ^2/NDF: 30.1/18

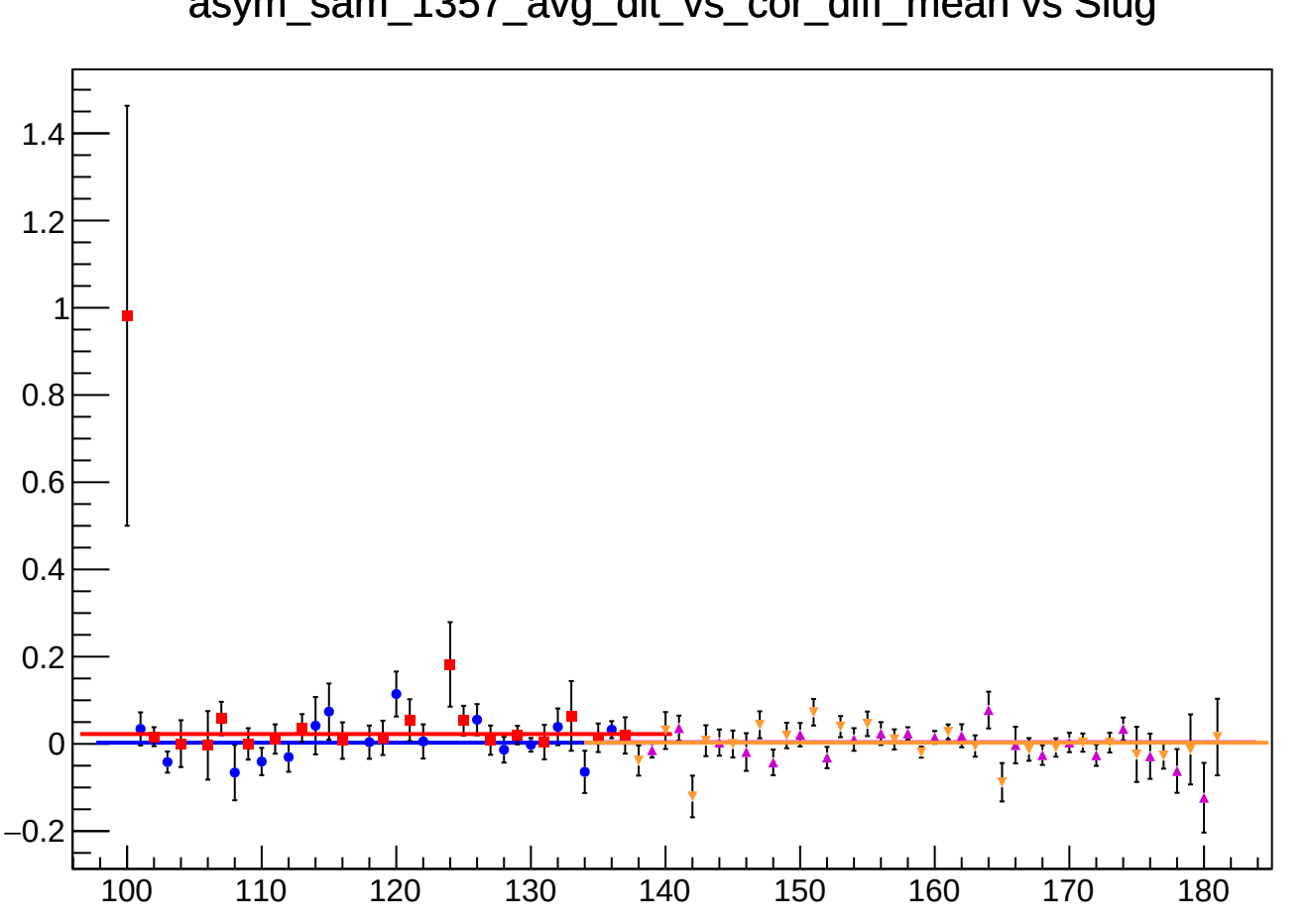
Left In: -0.000+/-0.000 χ^2/NDF:27.7/20

+ sign -0.000+/-0.000 χ^2/NDF: 29.4/38

All: -0.000+/-0.000 χ^2/NDF: 88.3/78

- sign -0.000+/-0.000 χ^2/NDF: 57.8/39


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:1373567.3/22
Right Out: 0.000+/-0.000 χ²/NDF: 1367620.8/18
Left In: 0.000+/-0.000 χ²/NDF:1722204.3/20
+ sign 0.000+/-0.000 χ²/NDF: 3799965.2/38
All: 0.000+/-0.000 χ²/NDF: 8927452.6/78
- sign 0.000+/-0.000 χ²/NDF: 5095268.3/39



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: 0.003+/-0.005 χ^2/NDF:31.9/22

Right Out: 0.023+/-0.008 χ^2/NDF: 10.8/18

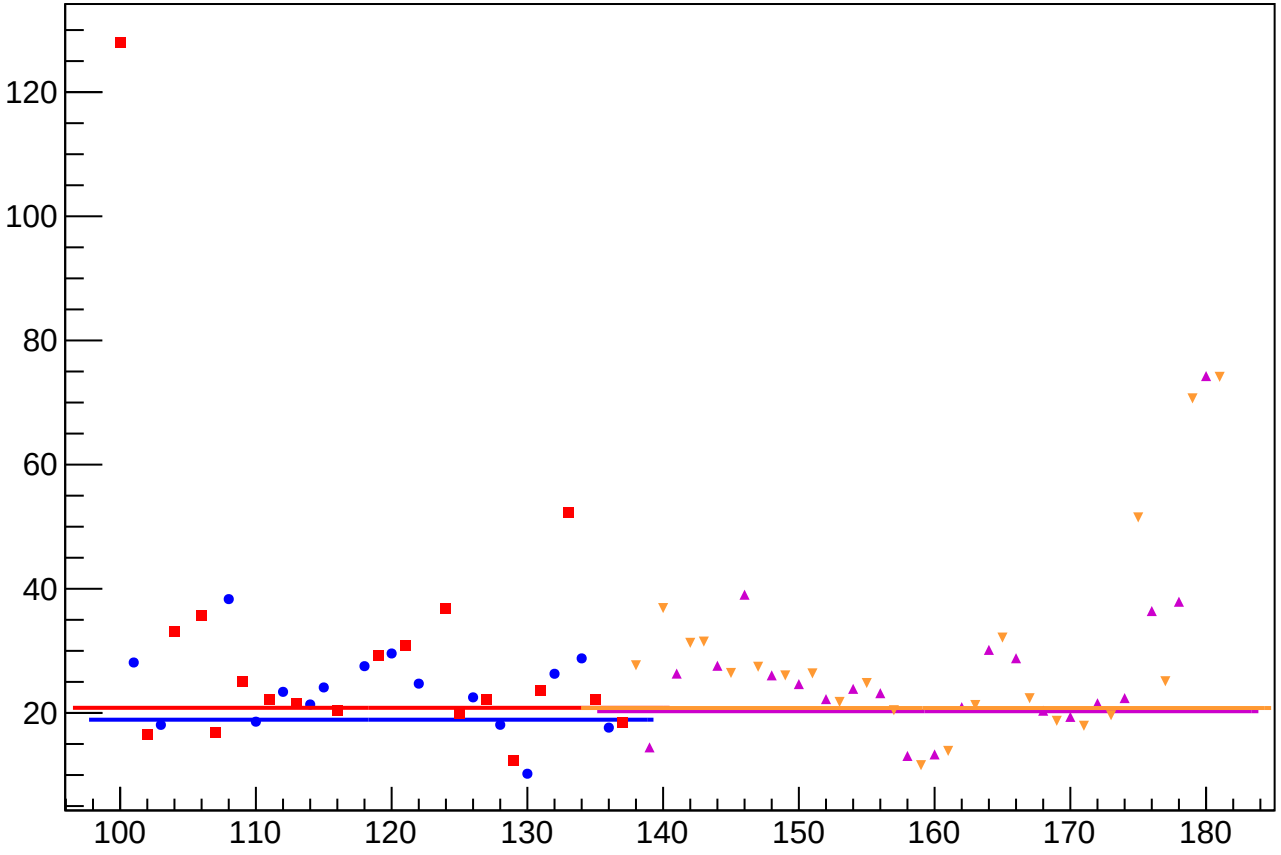
Left In: 0.004+/-0.005 χ^2/NDF:23.4/20

+ sign 0.003+/-0.004 χ^2/NDF: 53.9/38

All: 0.006+/-0.003 χ^2/NDF: 92.6/78

- sign 0.009+/-0.005 χ^2/NDF: 37.7/39

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: 20.793+/-0.004 χ^2/NDF:4601243.7/22

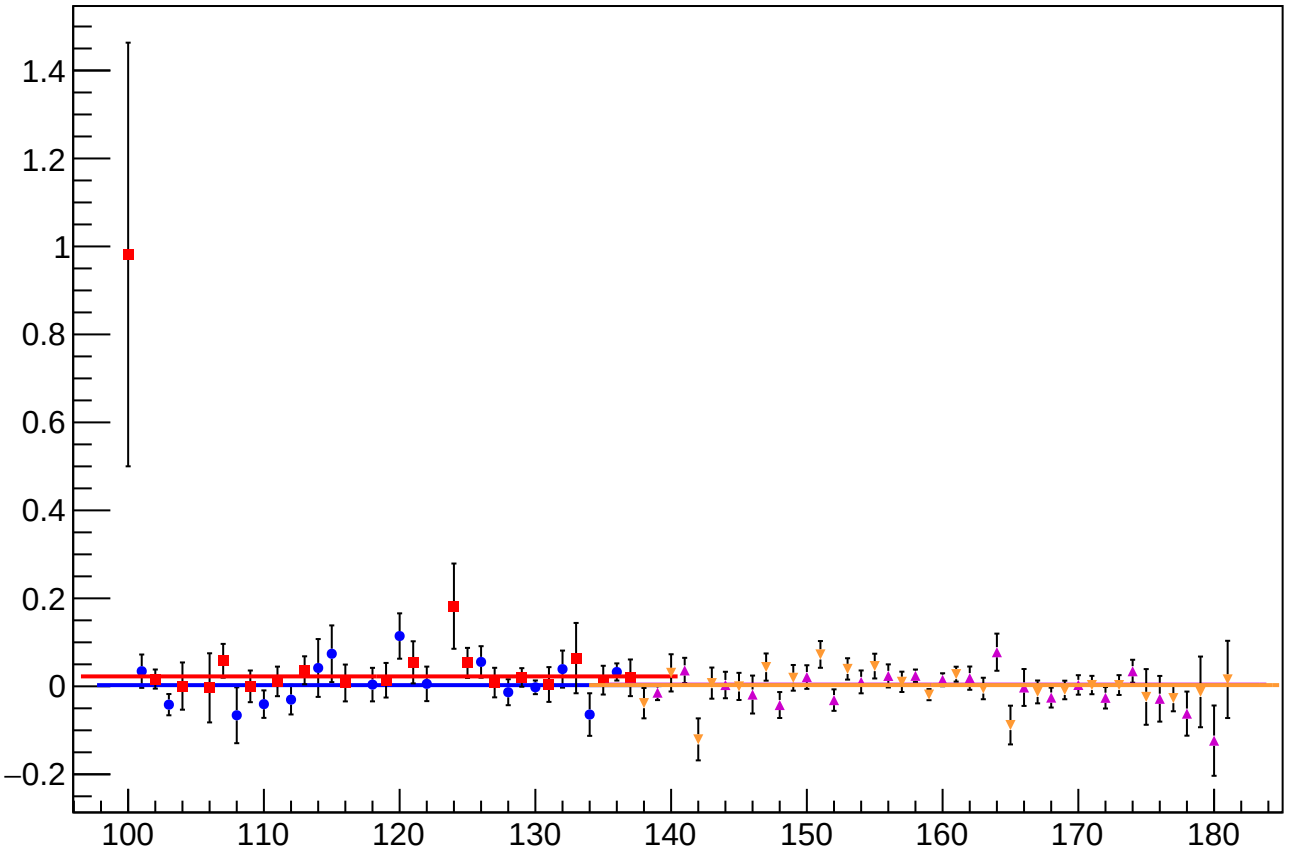
Right Out: 20.826+/-0.006 χ^2/NDF: 1291541.1/18

Left In: 20.276+/-0.004 χ^2/NDF:3552029.1/20

+ sign 20.173+/-0.003 χ^2/NDF: 6069516.3/38

All: 20.302+/-0.002 χ^2/NDF: 10922504.1/78

- sign 20.438+/-0.003 χ^2/NDF: 4849556.0/39



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: 0.003+/-0.005 χ^2/NDF:31.9/22

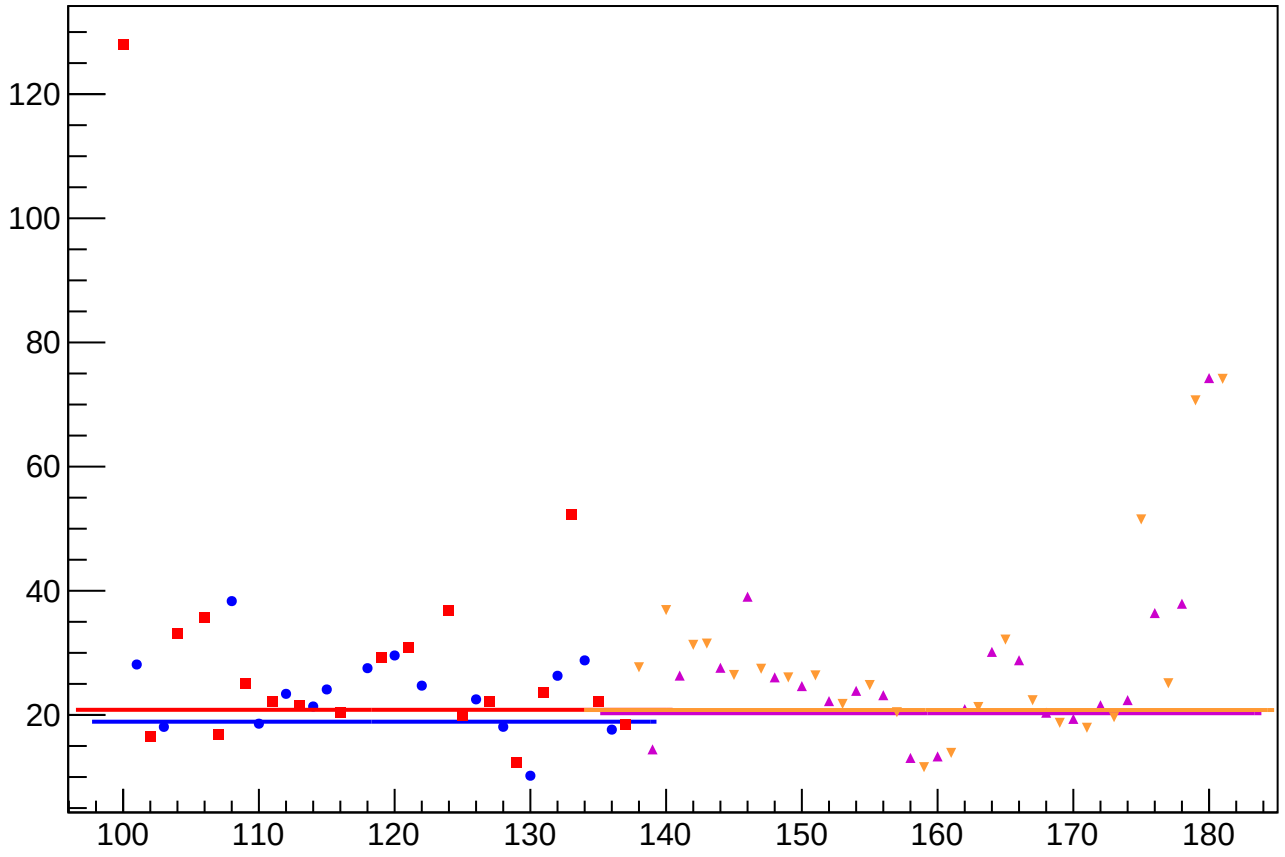
Right Out: 0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: 0.004+/-0.005 χ^2/NDF:23.4/20

+ sign 0.003+/-0.004 χ^2/NDF: 53.9/38

All: 0.006+/-0.003 χ^2/NDF: 92.6/78

- sign 0.009+/-0.005 χ^2/NDF: 37.7/39



Right In: 18.911+/-0.006 χ^2/NDF: 1390349.2/15

Left Out: 20.793+/-0.004 χ^2/NDF:4601243.7/22

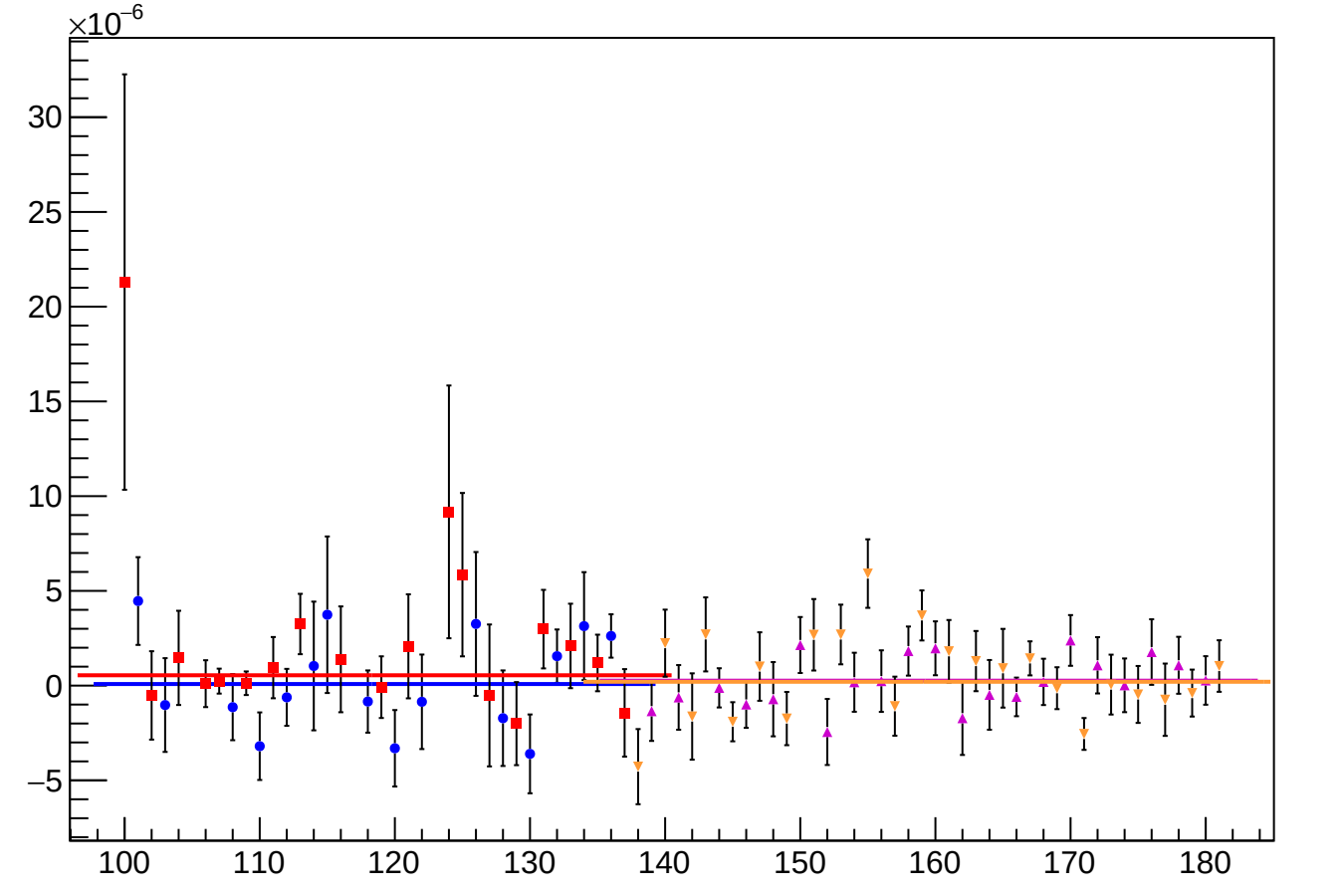
Right Out: 20.826+/-0.006 χ^2/NDF: 1291541.1/18

Left In: 20.276+/-0.004 χ^2/NDF:3552029.1/20

+ sign 20.173+/-0.003 χ^2/NDF: 6069516.3/38

All: 20.302+/-0.002 χ^2/NDF: 10922504.1/78

- sign 20.438+/-0.003 χ^2/NDF: 4849556.0/39



Right In: 0.000+/-0.000 χ^2/NDF: 23.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:52.2/22

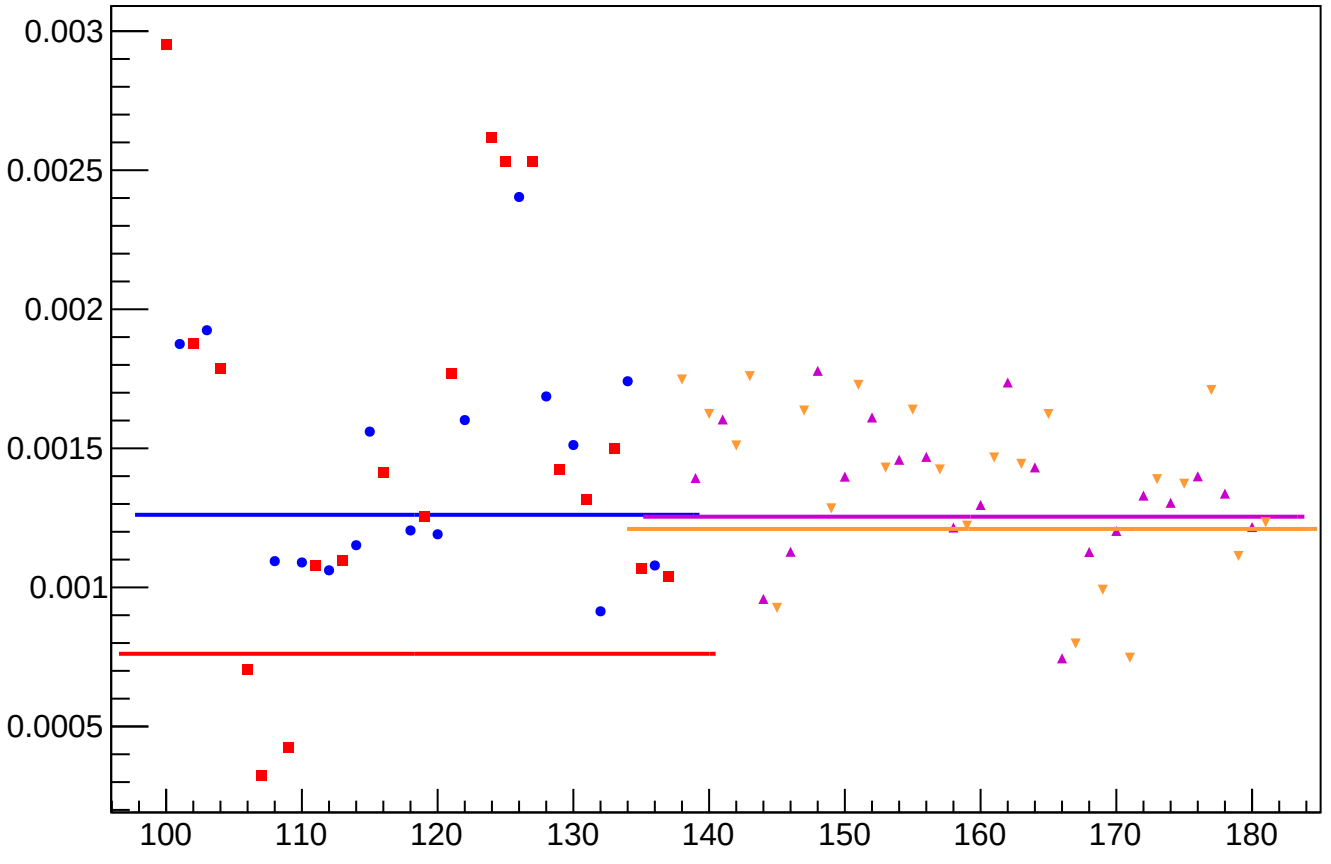
Right Out: 0.000+/-0.000 χ^2/NDF: 15.6/18

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

+ sign 0.000+/-0.000 χ^2/NDF: 75.8/38

All: 0.000+/-0.000 χ^2/NDF: 107.8/78

- sign 0.000+/-0.000 χ^2/NDF: 31.5/39



Right In: 0.001+/-0.000 χ^2/NDF: 907342.5/15

Left Out: 0.001+/-0.000 χ^2/NDF:2532232.1/22

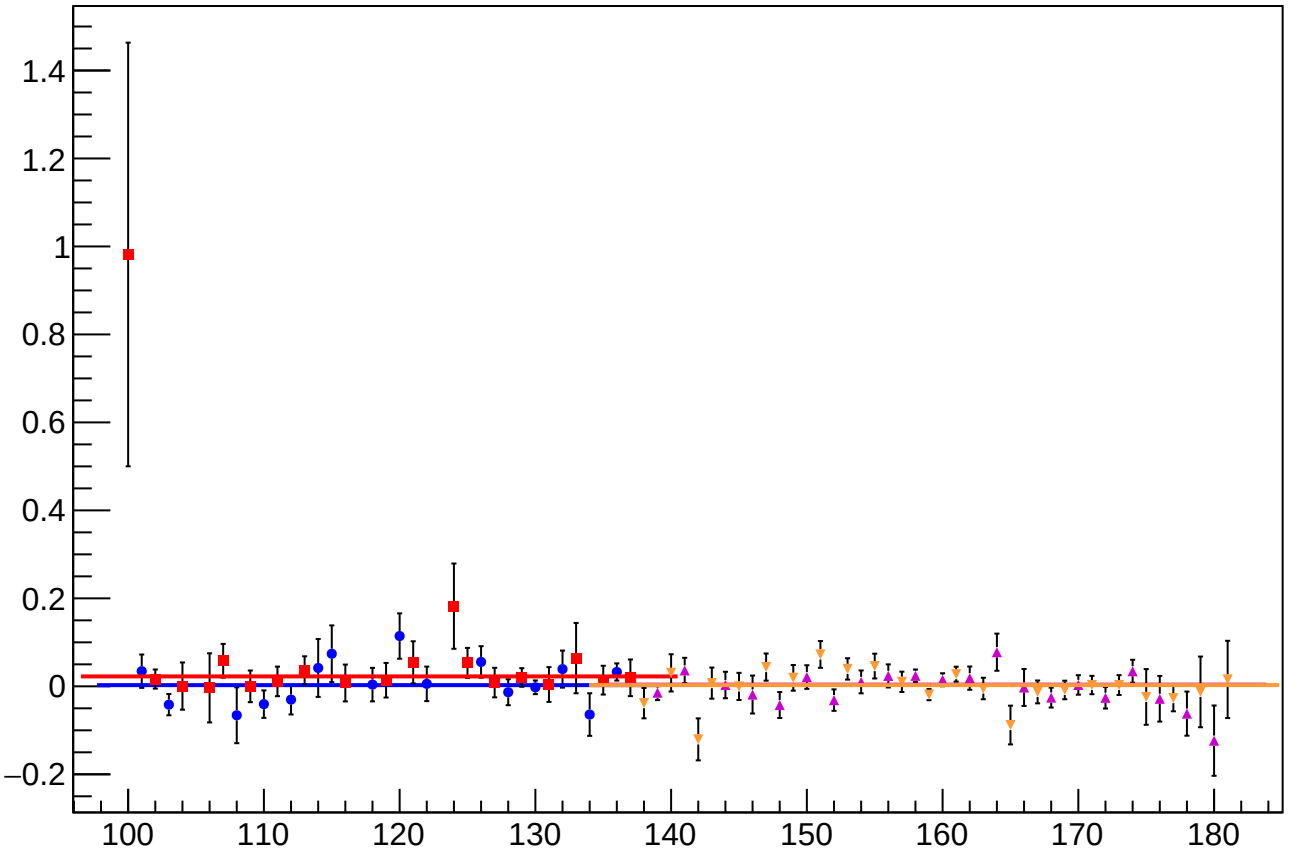
Right Out: 0.001+/-0.000 χ^2/NDF: 4672607.8/18

Left In: 0.001+/-0.000 χ^2/NDF:1299294.1/20

+ sign 0.001+/-0.000 χ^2/NDF: 3455483.7/38

All: 0.001+/-0.000 χ^2/NDF: 12386826.8/78

- sign 0.001+/-0.000 χ^2/NDF: 8274596.3/39



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: 0.003+/-0.005 χ^2/NDF:31.9/22

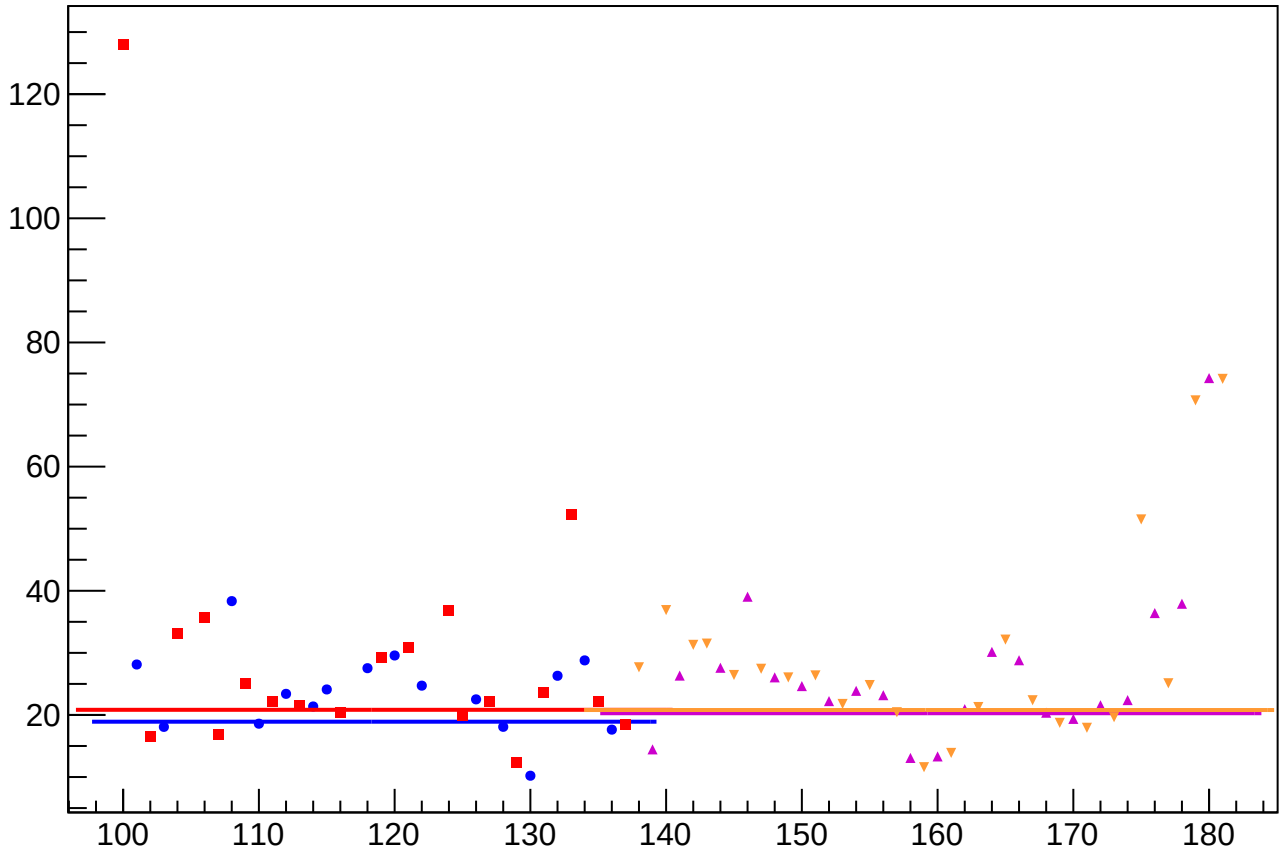
Right Out: 0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: 0.004+/-0.005 χ^2/NDF:23.4/20

+ sign 0.003+/-0.004 χ^2/NDF: 53.9/38

All: 0.006+/-0.003 χ^2/NDF: 92.6/78

- sign 0.009+/-0.005 χ^2/NDF: 37.7/39



Right In: 18.912+/-0.006 χ^2/NDF: 1390233.4/15

Left Out: 20.793+/-0.004 χ^2/NDF:4601387.0/22

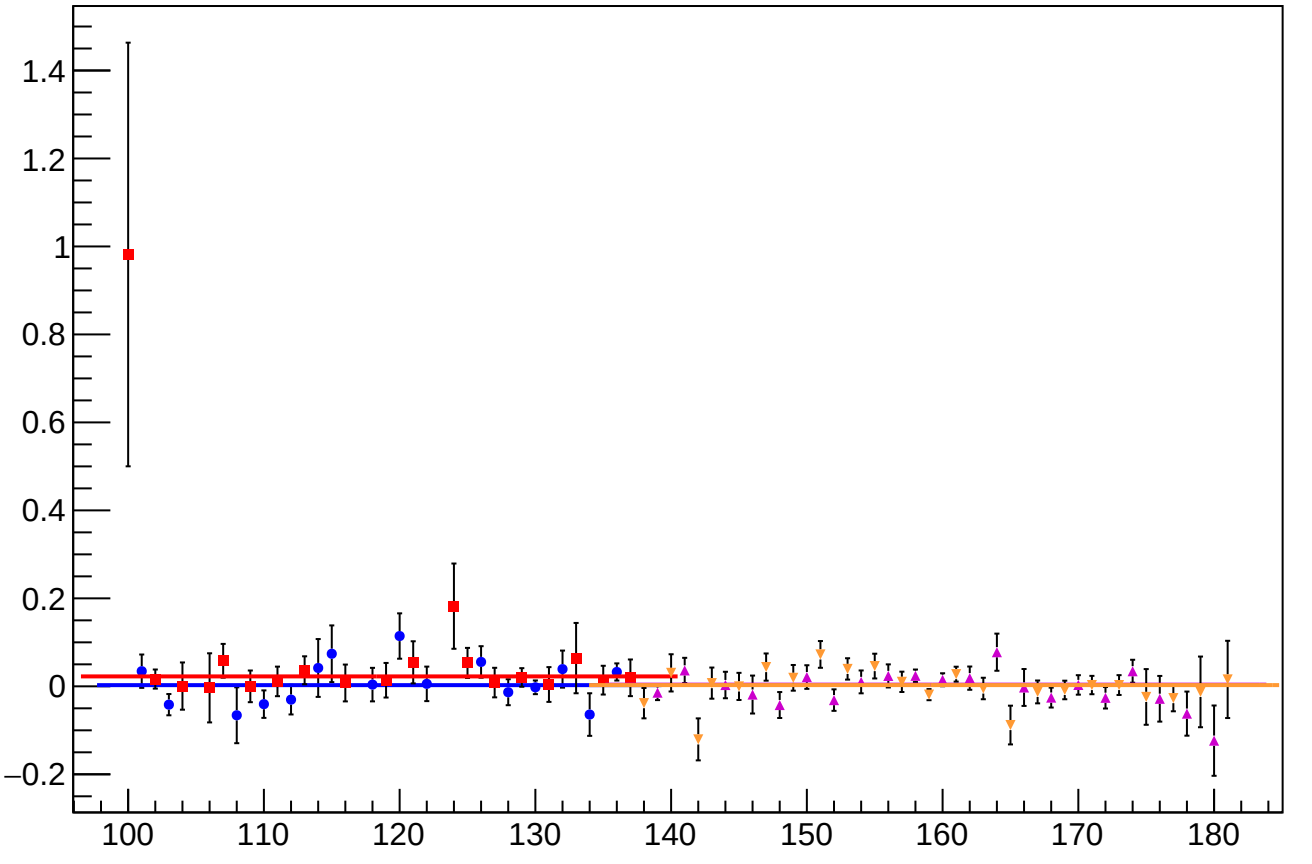
Right Out: 20.827+/-0.006 χ^2/NDF: 1291537.3/18

Left In: 20.277+/-0.004 χ^2/NDF:3552044.8/20

+ sign 20.173+/-0.003 χ^2/NDF: 6069511.8/38

All: 20.303+/-0.002 χ^2/NDF: 10922512.4/78

- sign 20.438+/-0.003 χ^2/NDF: 4849567.9/39



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: 0.003+/-0.005 χ^2/NDF:31.9/22

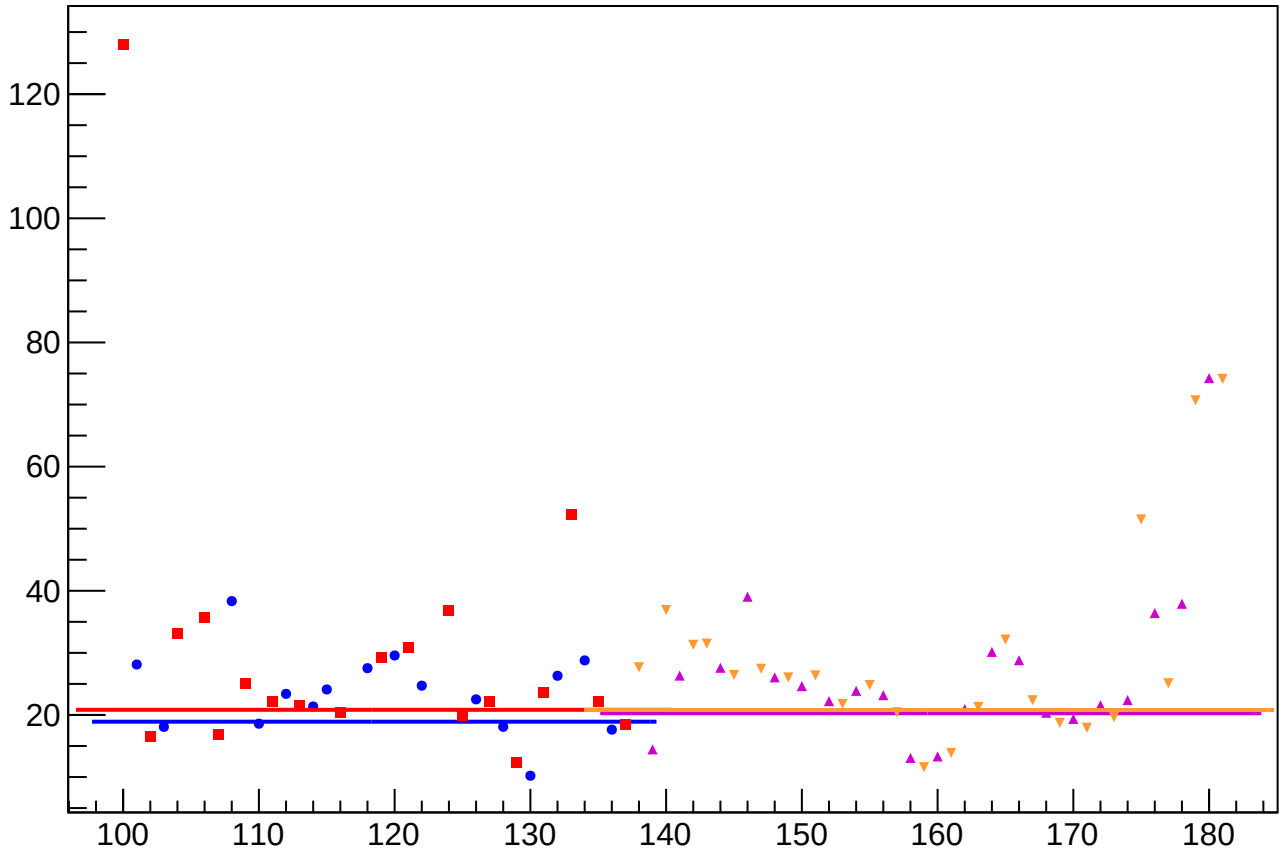
Right Out: 0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: 0.004+/-0.005 χ^2/NDF:23.4/20

+ sign 0.003+/-0.004 χ^2/NDF: 53.9/38

All: 0.006+/-0.003 χ^2/NDF: 92.6/78

- sign 0.009+/-0.005 χ^2/NDF: 37.7/39



Right In: 18.912+/-0.006 χ^2/NDF: 1390233.4/15

Left Out: 20.793+/-0.004 χ^2/NDF:4601387.0/22

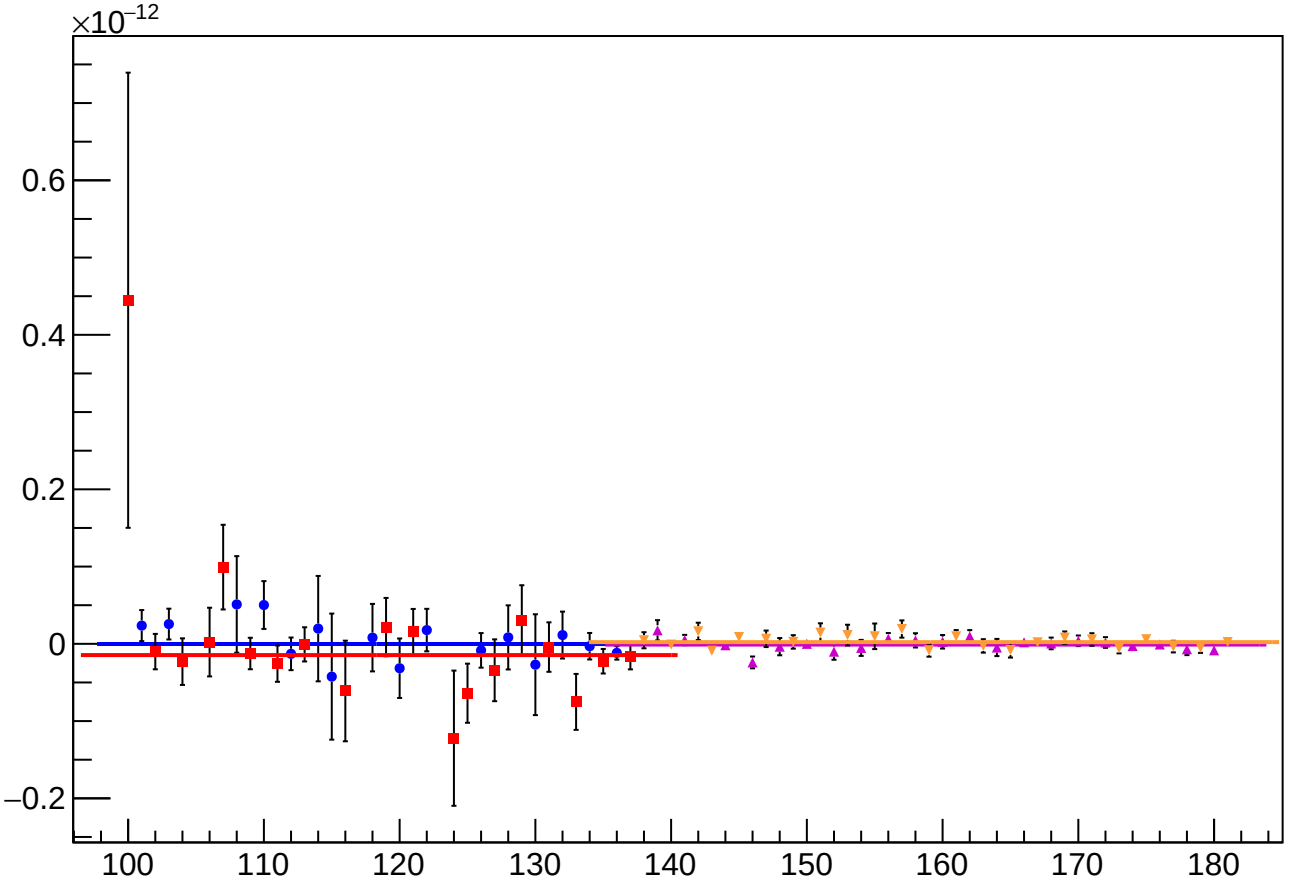
Right Out: 20.827+/-0.006 χ^2/NDF: 1291537.3/18

Left In: 20.277+/-0.004 χ^2/NDF:3552044.8/20

+ sign 20.173+/-0.003 χ^2/NDF: 6069511.8/38

All: 20.303+/-0.002 χ^2/NDF: 10922512.4/78

- sign 20.438+/-0.003 χ^2/NDF: 4849567.9/39



Right In: -0.000+/-0.000 χ^2/NDF: 10.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.1/22

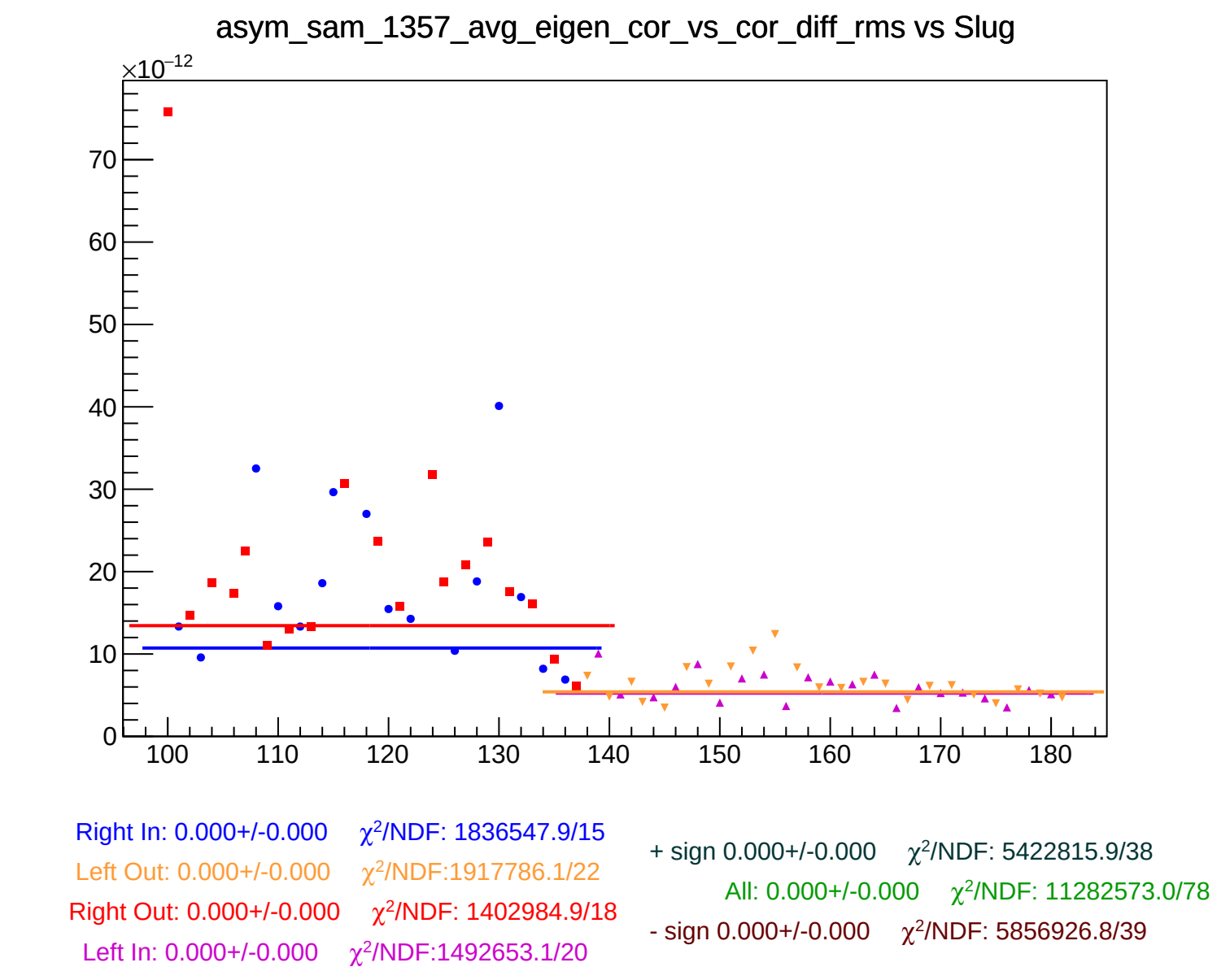
Right Out: -0.000+/-0.000 χ^2/NDF: 17.6/18

Left In: -0.000+/-0.000 χ^2/NDF:19.5/20

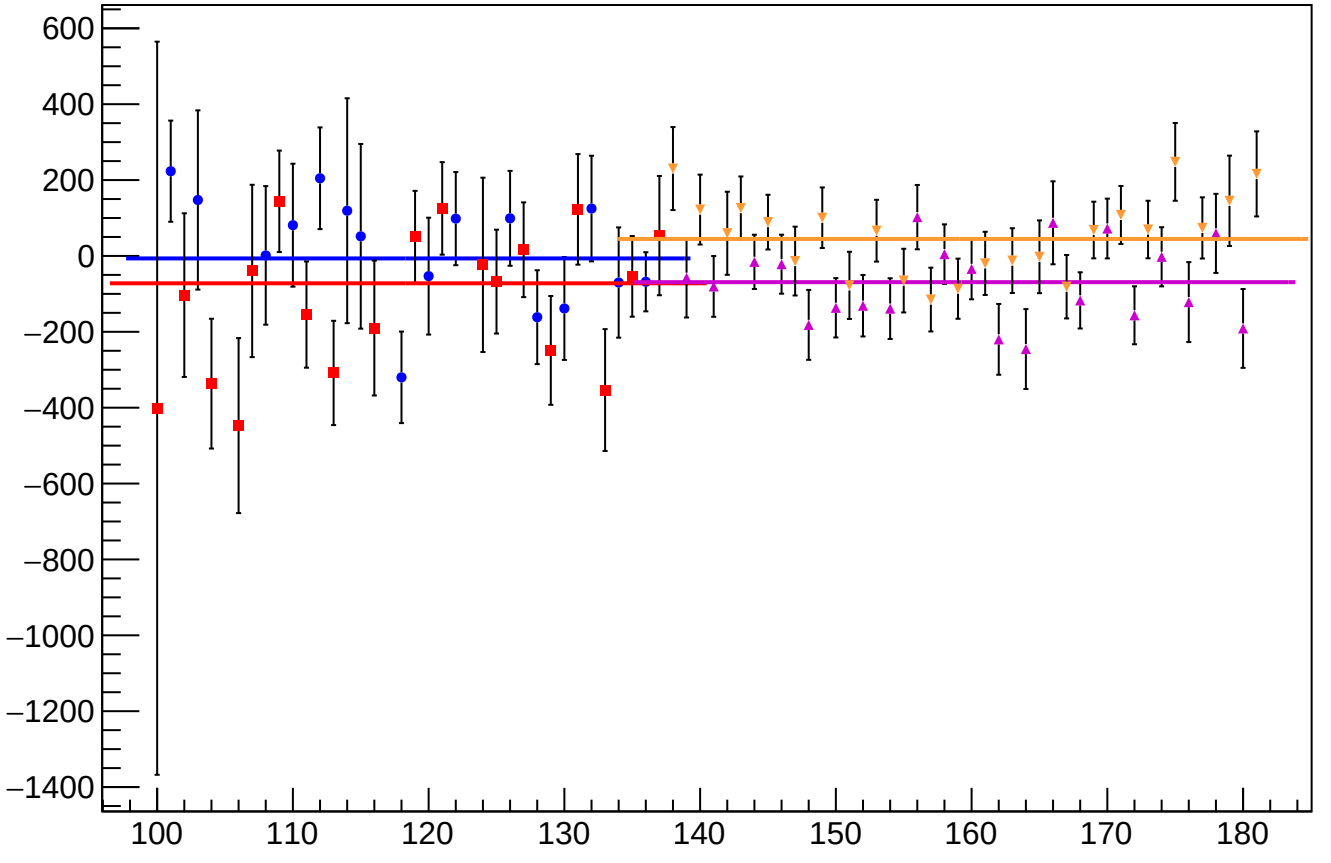
+ sign 0.000+/-0.000 χ^2/NDF: 29.8/38

All: 0.000+/-0.000 χ^2/NDF: 74.0/78

- sign -0.000+/-0.000 χ^2/NDF: 41.2/39


asym_sam_1357_avg_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: 1836547.9/15
Left Out: 0.000+/-0.000 χ²/NDF:1917786.1/22
Right Out: 0.000+/-0.000 χ²/NDF: 1402984.9/18
Left In: 0.000+/-0.000 χ²/NDF:1492653.1/20
+ sign 0.000+/-0.000 χ²/NDF: 5422815.9/38
All: 0.000+/-0.000 χ²/NDF: 11282573.0/78
- sign 0.000+/-0.000 χ²/NDF: 5856926.8/39

reg_asym_sam_2468_avg_mean vs Slug



Right In: -6.559+/-34.286 χ^2/NDF: 18.9/15

Left Out: 44.788+/-18.027 χ^2/NDF:27.4/22

Right Out: -72.124+/-34.883 χ^2/NDF: 22.8/18

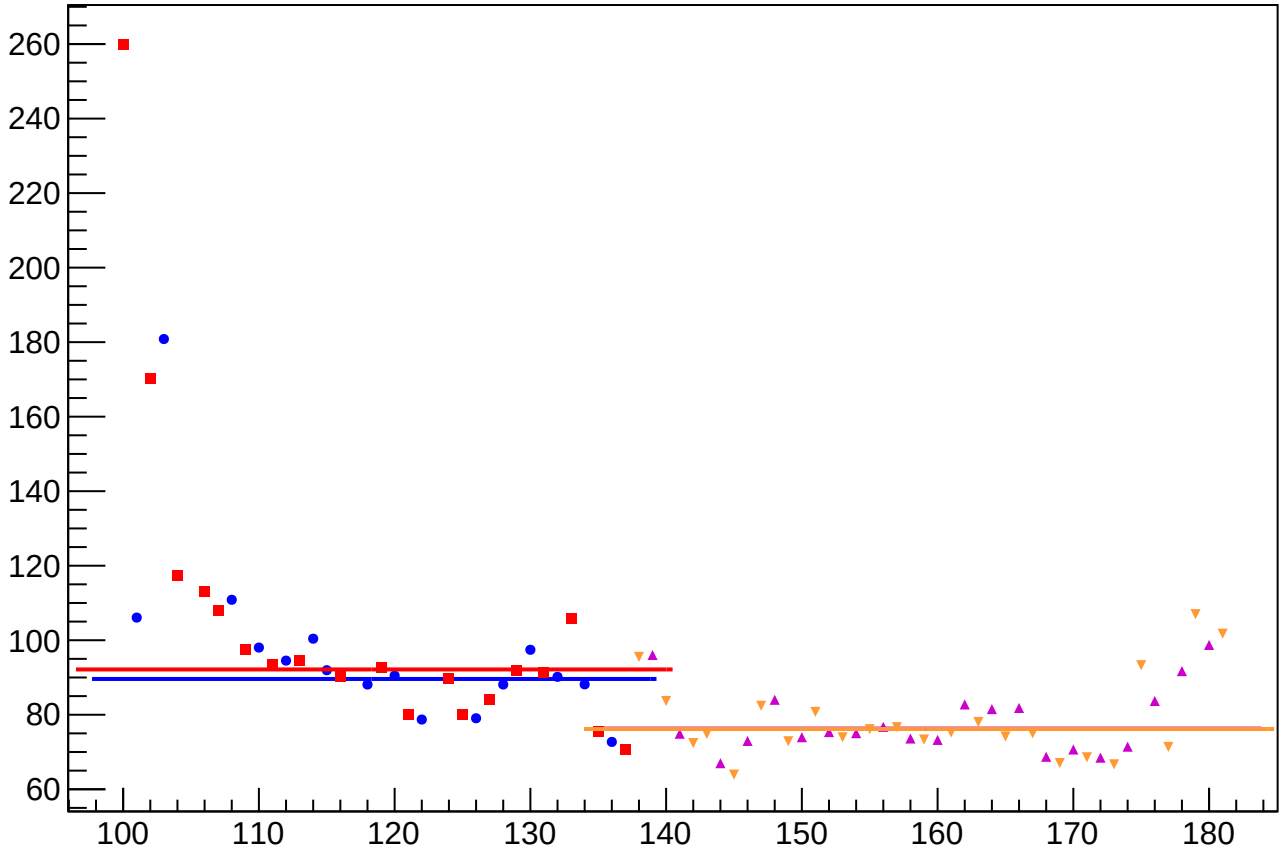
Left In: -69.130+/-18.577 χ^2/NDF:26.0/20

+ sign 33.667+/-15.956 χ^2/NDF: 48.1/38

All: -16.651+/-11.435 χ^2/NDF: 117.4/78

- sign -69.792+/-16.397 χ^2/NDF: 48.8/39

reg_asym_sam_2468_avg_rms vs Slug



Right In: 89.604+/-0.024 χ^2/NDF: 498380.8/15

Left Out: 76.172+/-0.013 χ^2/NDF:543143.9/22

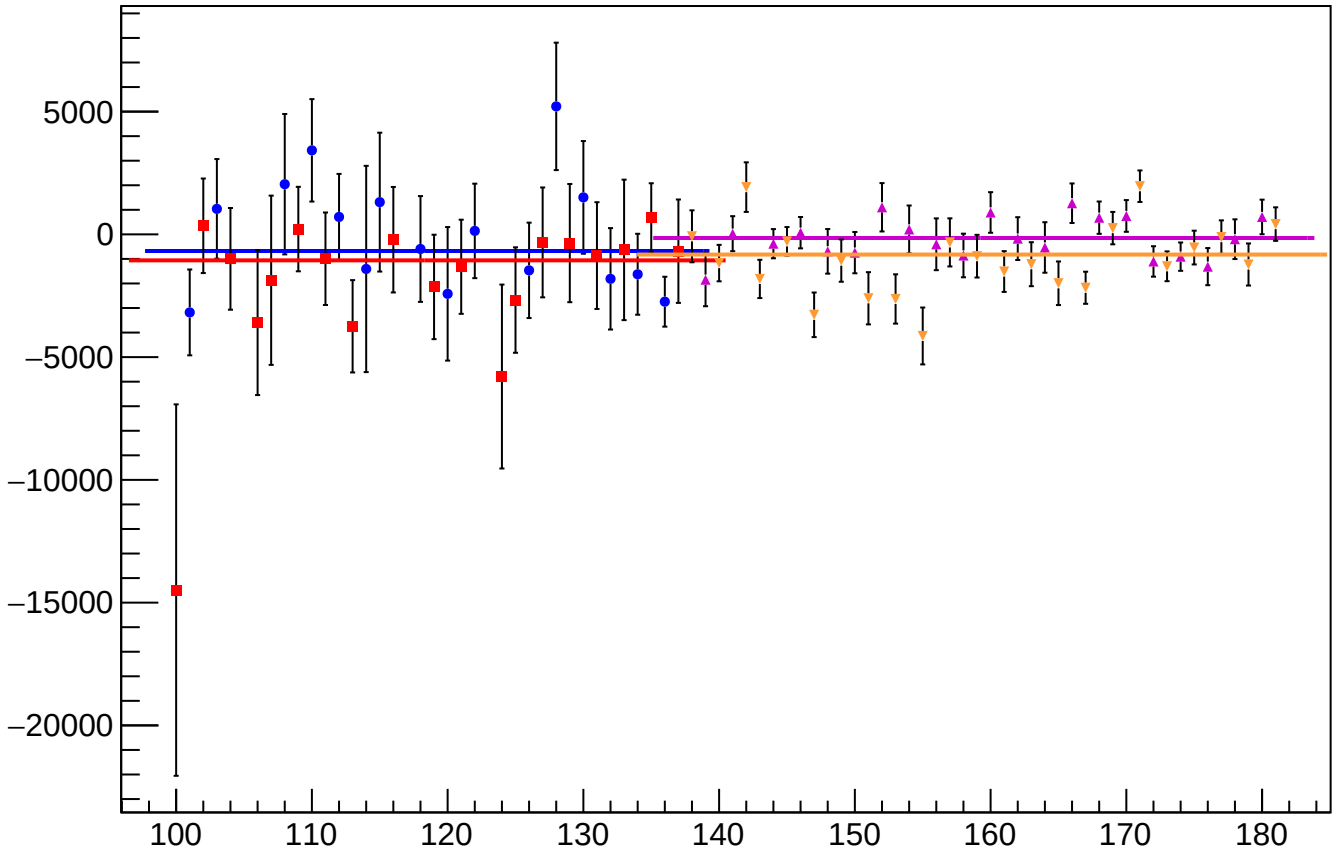
Right Out: 92.161+/-0.025 χ^2/NDF: 542074.4/18

Left In: 76.291+/-0.013 χ^2/NDF:357418.1/20

+ sign 79.081+/-0.011 χ^2/NDF: 1282007.5/38

All: 79.429+/-0.008 χ^2/NDF: 2505948.7/78

- sign 79.798+/-0.012 χ^2/NDF: 1221975.2/39



Right In: -677.381+/-486.480 χ^2/NDF: 20.3/15

Left Out: -822.509+/-163.622 χ^2/NDF:66.3/22

Right Out: -1058.761+/-496.350 χ^2/NDF: 11.5/18

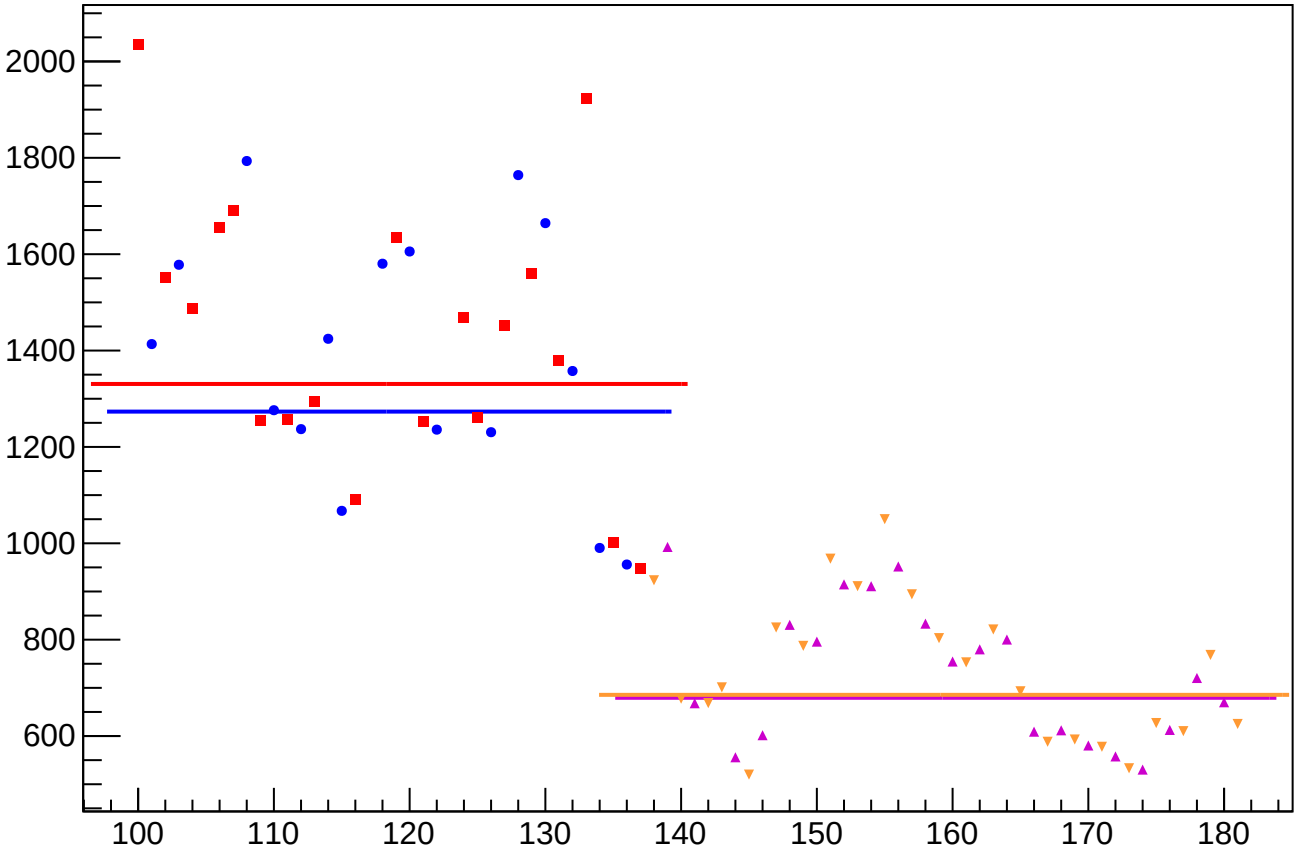
Left In: -147.722+/-167.022 χ^2/NDF:22.4/20

+ sign -807.760+/-155.085 χ^2/NDF: 86.6/38

All: -529.894+/-110.781 χ^2/NDF: 130.0/78

- sign -240.388+/-158.300 χ^2/NDF: 36.9/39

asym_sam_2468_avg_reg_correction_rms vs Slug



Right In: 1273.324+/-0.344 χ^2/NDF: 597520.6/15

Left Out: 685.507+/-0.116 χ^2/NDF:1305953.5/22

Right Out: 1330.683+/-0.351 χ^2/NDF: 470703.7/18

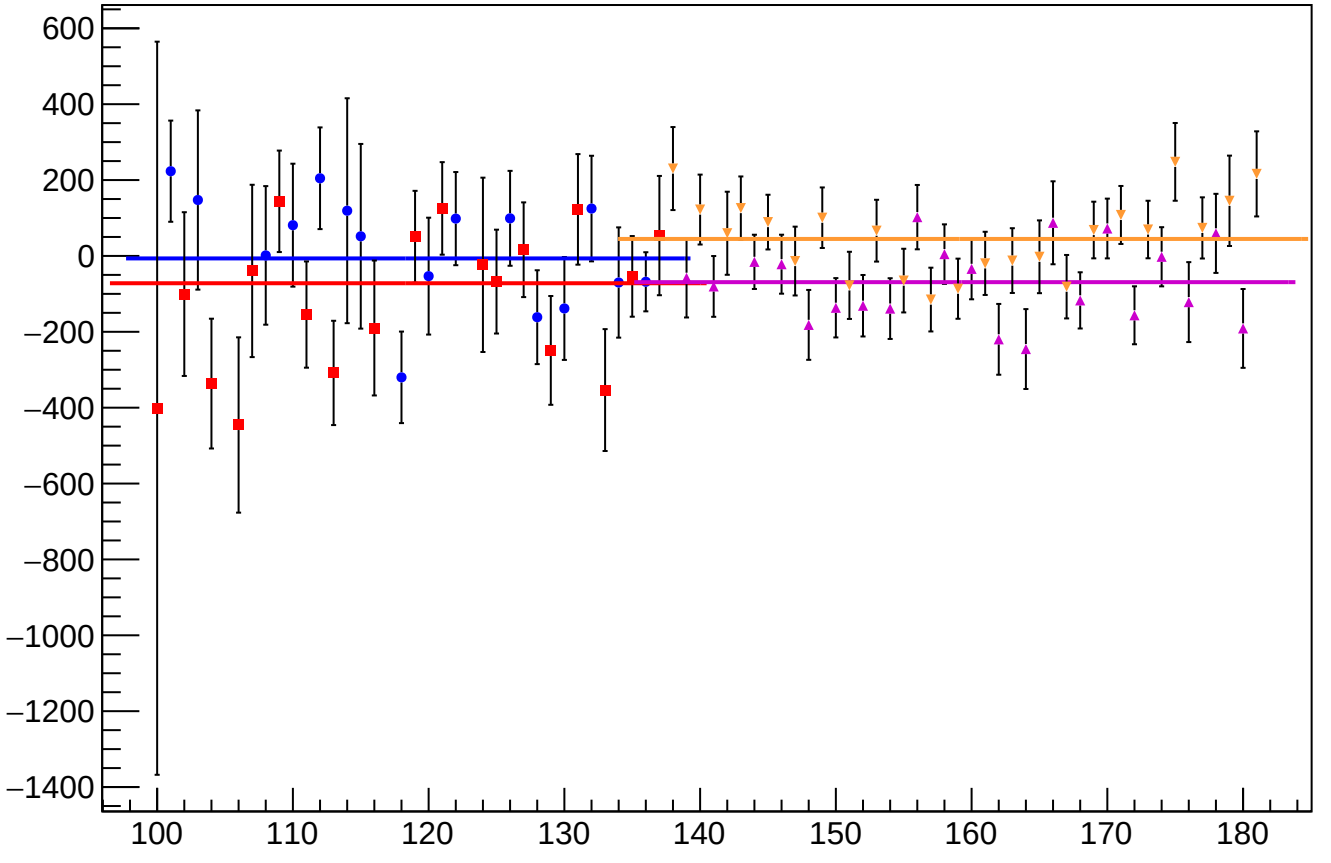
Left In: 679.402+/-0.118 χ^2/NDF:1184492.9/20

\+ sign 745.245+/-0.110 χ^2/NDF: 4526733.7/38

All: 745.442+/-0.078 χ^2/NDF: 9275117.3/78

\- sign 745.647+/-0.112 χ^2/NDF: 4748377.1/39

cor_asym_sam_2468_avg_mean vs Slug



Right In: -6.568+/-34.286 χ^2/NDF: 18.9/15

Left Out: 44.792+/-18.027 χ^2/NDF:27.4/22

Right Out: -71.981+/-34.885 χ^2/NDF: 22.8/18

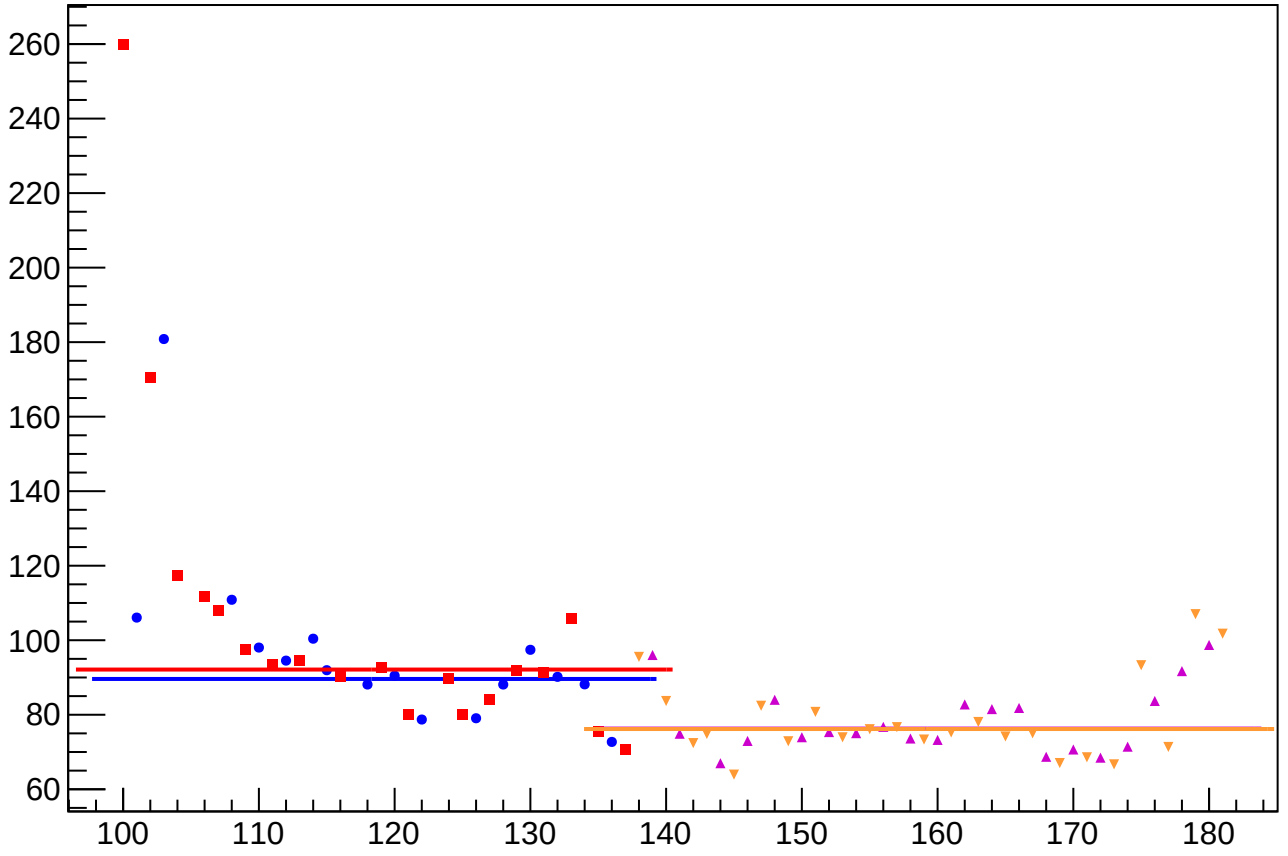
Left In: -69.130+/-18.577 χ^2/NDF:26.0/20

+ sign 33.669+/-15.956 χ^2/NDF: 48.1/38

All: -16.634+/-11.435 χ^2/NDF: 117.3/78

- sign -69.760+/-16.397 χ^2/NDF: 48.8/39

cor_asym_sam_2468_avg_rms vs Slug



Right In: 89.604+/-0.024 χ^2/NDF: 498384.4/15

Left Out: 76.172+/-0.013 χ^2/NDF:543143.9/22

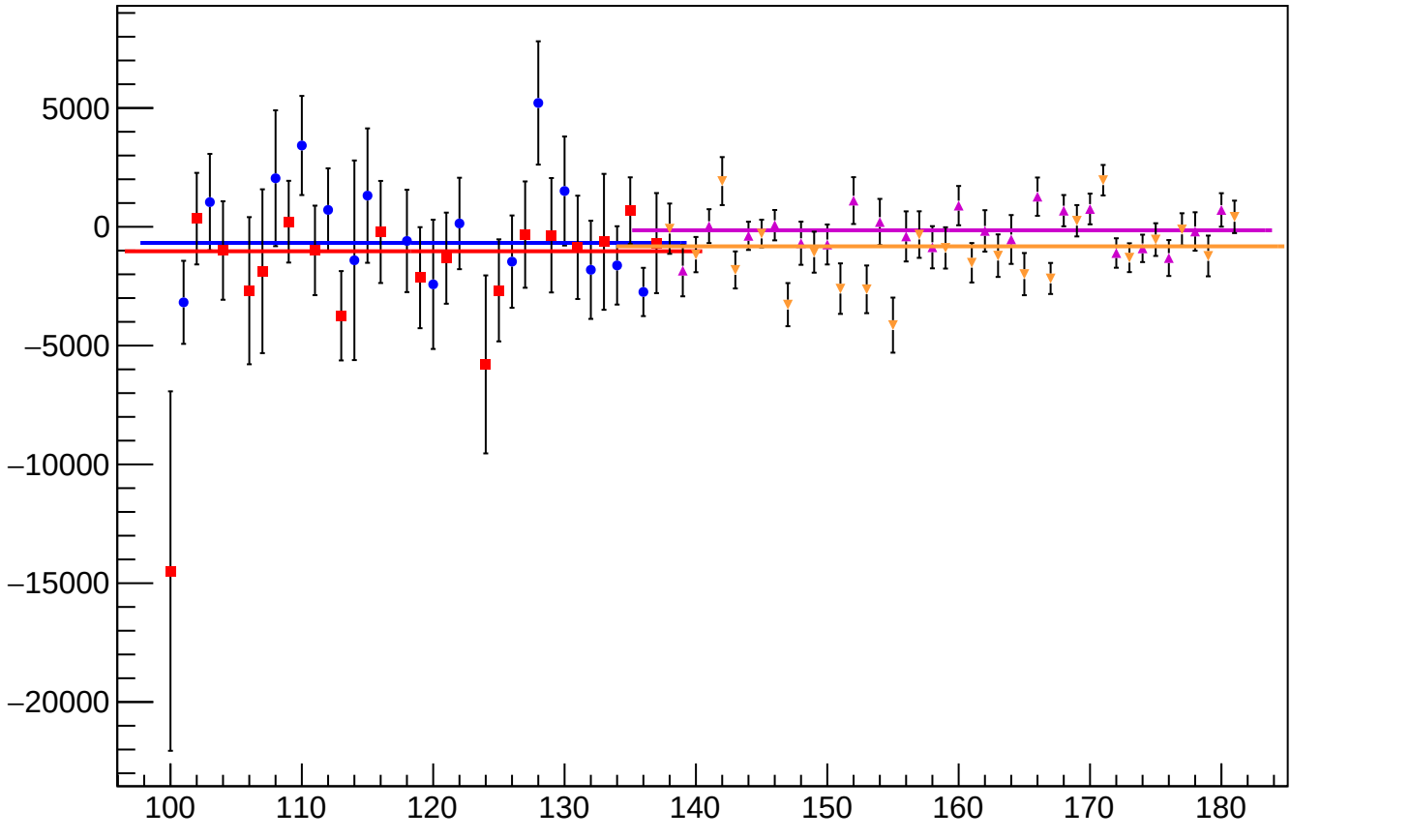
Right Out: 92.129+/-0.025 χ^2/NDF: 540308.7/18

Left In: 76.291+/-0.013 χ^2/NDF:357418.1/20

+ sign 79.081+/-0.011 χ^2/NDF: 1282011.0/38

All: 79.426+/-0.008 χ^2/NDF: 2502828.0/78

- sign 79.791+/-0.012 χ^2/NDF: 1218891.0/39



Right In: -677.345+/-486.482 χ^2/NDF: 20.3/15

Left Out: -822.503+/-163.622 χ^2/NDF:66.3/22

Right Out: -1029.395+/-497.018 χ^2/NDF: 11.0/18

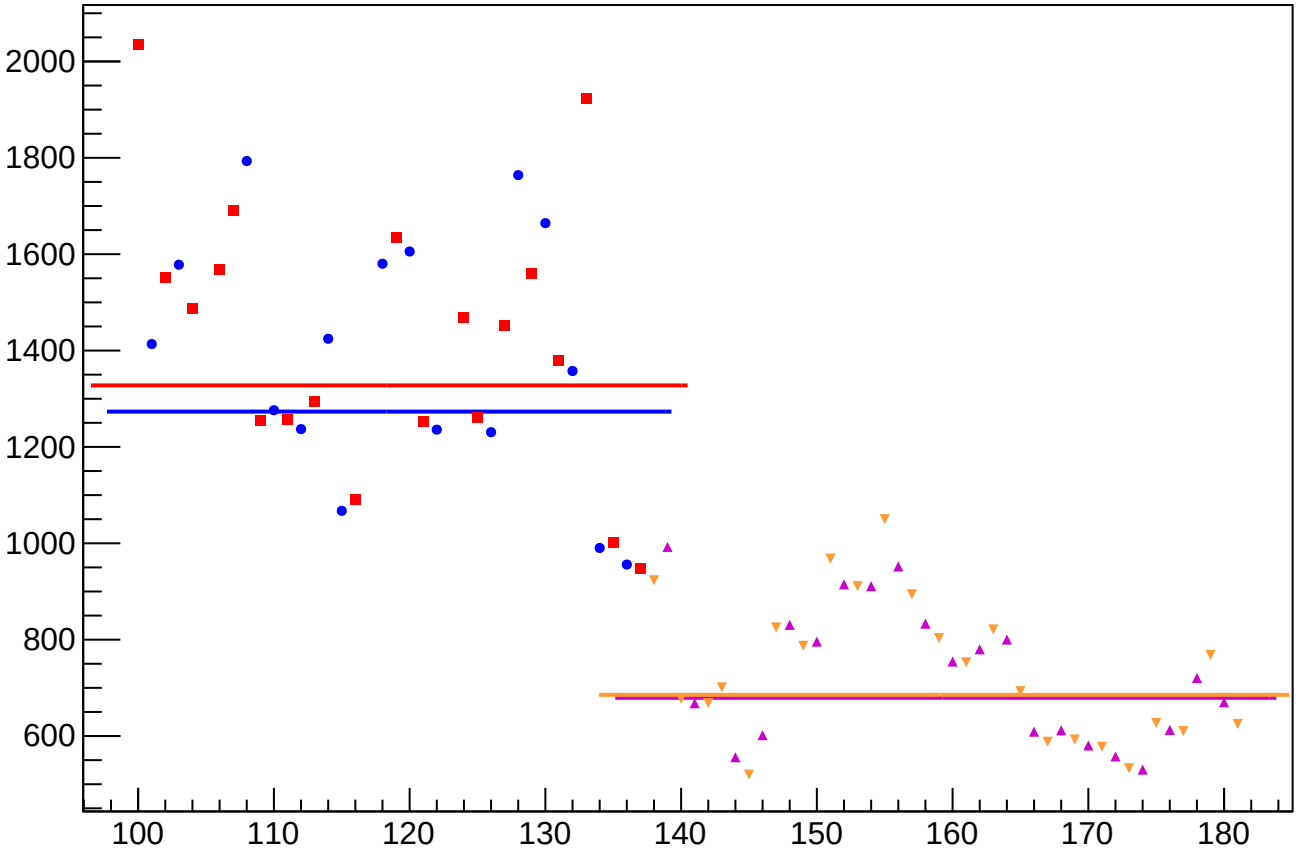
Left In: -147.721+/-167.022 χ^2/NDF:22.4/20

+ sign -807.751+/-155.085 χ^2/NDF: 86.6/38

All: -528.359+/-110.788 χ^2/NDF: 129.4/78

- sign -237.184+/-158.321 χ^2/NDF: 36.2/39

asym_sam_2468_avg_cor_correction_rms vs Slug



Right In: 1273.327+/-0.344 χ^2/NDF: 597547.8/15

Left Out: 685.507+/-0.116 χ^2/NDF:1305956.5/22

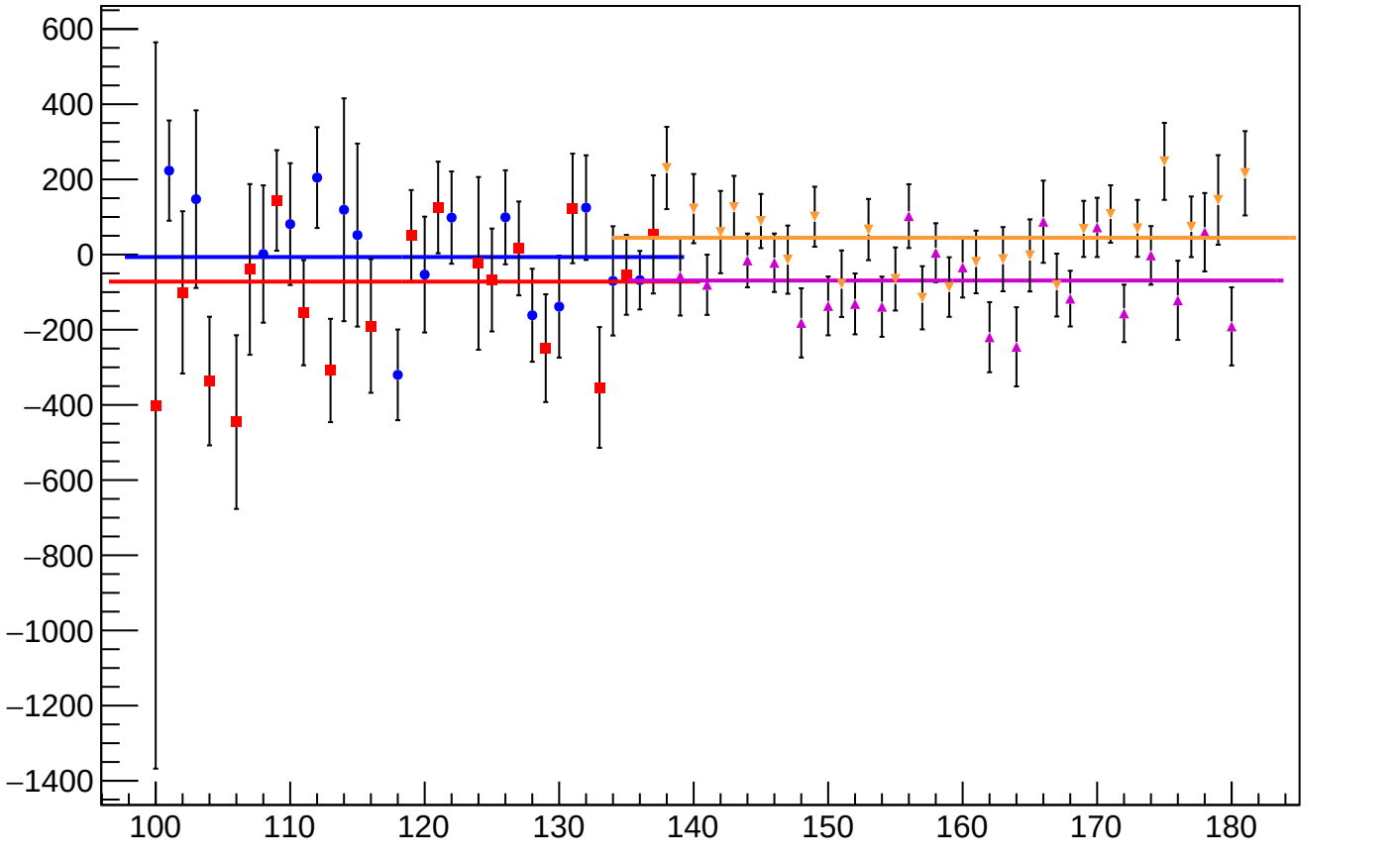
Right Out: 1327.661+/-0.351 χ^2/NDF: 458481.2/18

Left In: 679.402+/-0.118 χ^2/NDF:1184491.0/20

\+ sign 745.245+/-0.110 χ^2/NDF: 4526778.6/38

All: 745.213+/-0.078 χ^2/NDF: 9226893.6/78

\- sign 745.181+/-0.112 χ^2/NDF: 4700114.9/39



Right In: -6.568+/-34.286 χ^2/NDF: 18.9/15

Left Out: 44.792+/-18.027 χ^2/NDF:27.4/22

Right Out: -71.981+/-34.885 χ^2/NDF: 22.8/18

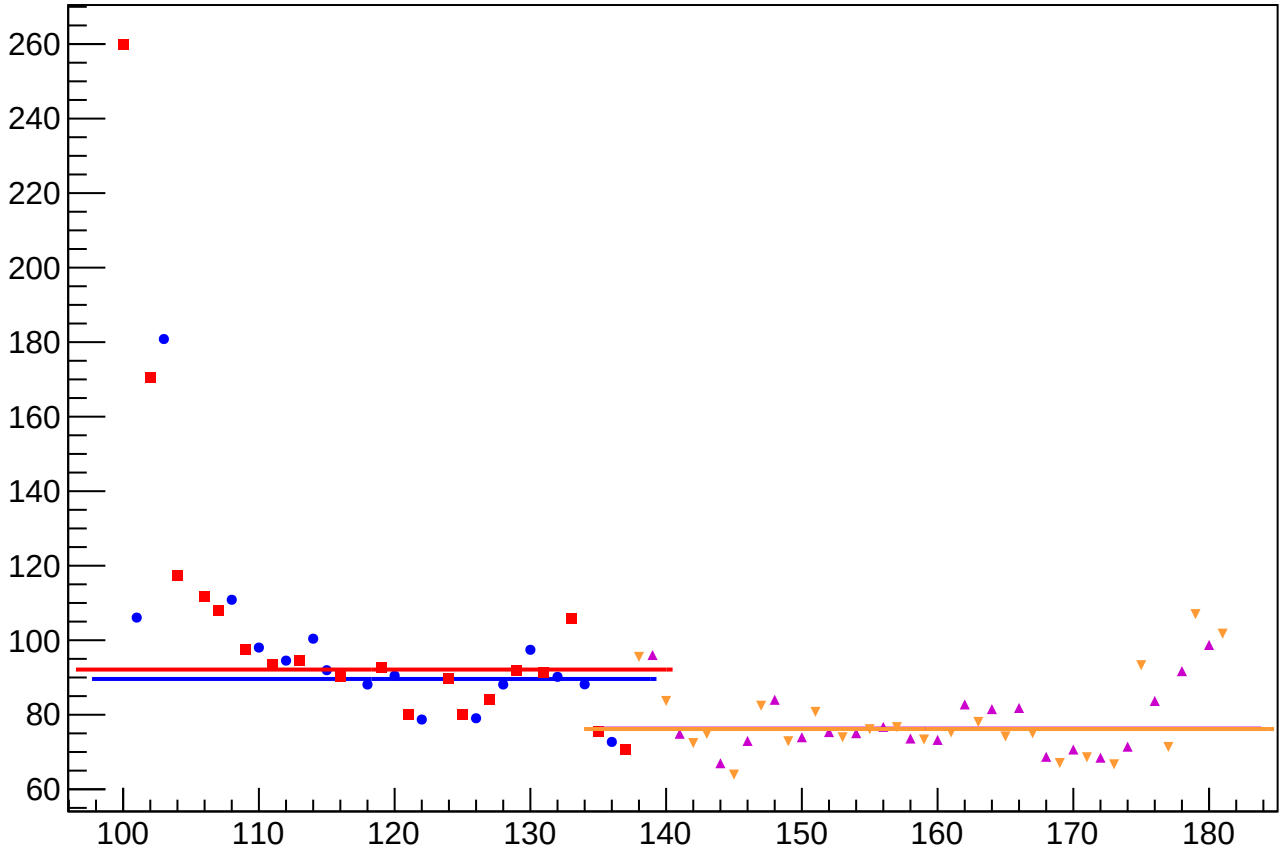
Left In: -69.130+/-18.577 χ^2/NDF:26.0/20

+ sign 33.669+/-15.956 χ^2/NDF: 48.1/38

All: -16.634+/-11.435 χ^2/NDF: 117.3/78

- sign -69.760+/-16.397 χ^2/NDF: 48.8/39

eigen_cor_asym_sam_2468_avg_rms vs Slug



Right In: 89.604+/-0.024 χ^2/NDF: 498384.4/15

Left Out: 76.172+/-0.013 χ^2/NDF:543143.9/22

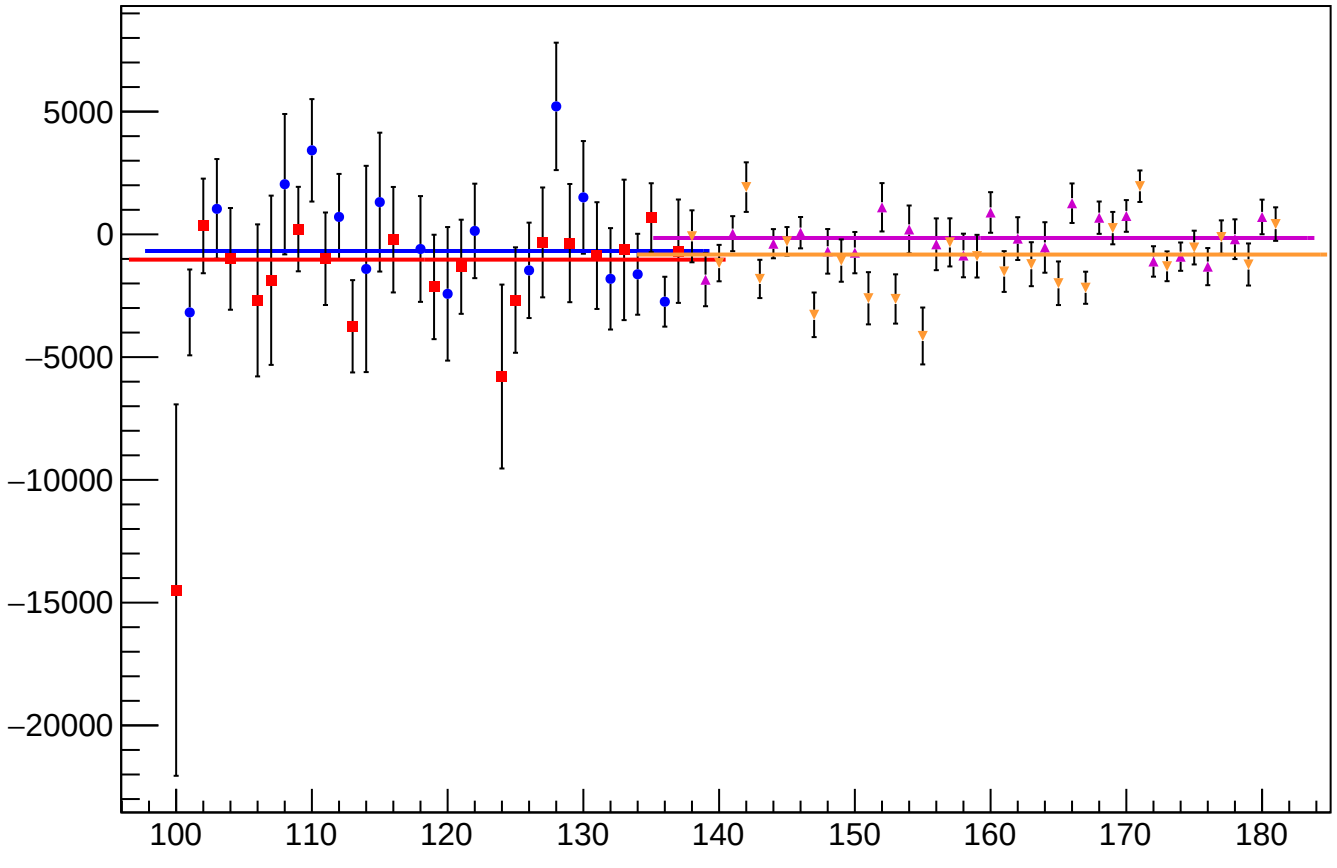
Right Out: 92.129+/-0.025 χ^2/NDF: 540308.7/18

Left In: 76.291+/-0.013 χ^2/NDF:357418.1/20

+ sign 79.081+/-0.011 χ^2/NDF: 1282011.0/38

All: 79.426+/-0.008 χ^2/NDF: 2502828.0/78

- sign 79.791+/-0.012 χ^2/NDF: 1218891.0/39



Right In: -677.345+/-486.482 χ^2/NDF: 20.3/15

Left Out: -822.503+/-163.622 χ^2/NDF:66.3/22

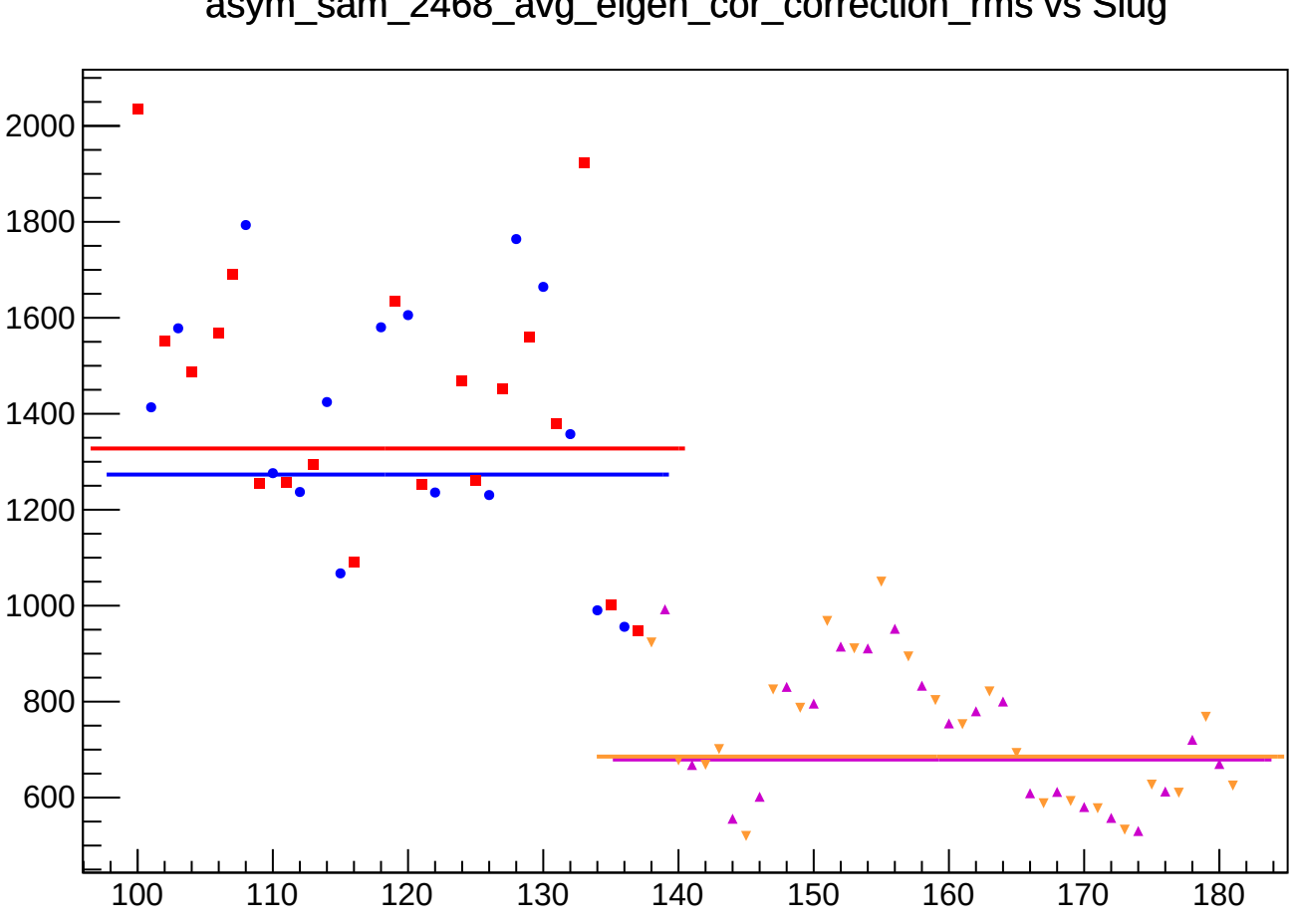
Right Out: -1029.395+/-497.018 χ^2/NDF: 11.0/18

Left In: -147.721+/-167.022 χ^2/NDF:22.4/20

+ sign -807.751+/-155.085 χ^2/NDF: 86.6/38

All: -528.359+/-110.788 χ^2/NDF: 129.4/78

- sign -237.184+/-158.321 χ^2/NDF: 36.2/39



Right In: 1273.327+/-0.344 χ^2/NDF: 597547.8/15

Left Out: 685.507+/-0.116 χ^2/NDF:1305956.5/22

Right Out: 1327.661+/-0.351 χ^2/NDF: 458481.2/18

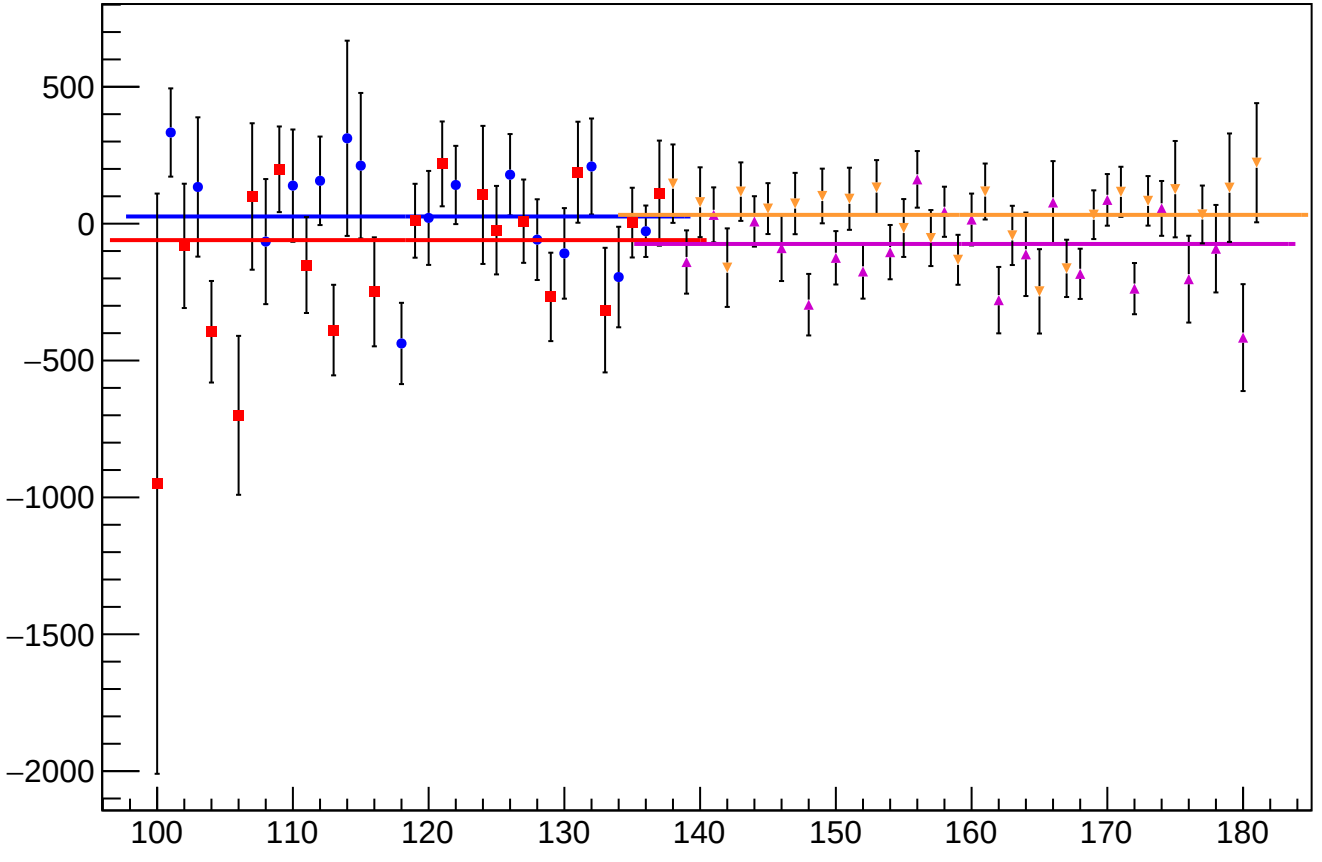
Left In: 679.402+/-0.118 χ^2/NDF:1184491.0/20

+ sign 745.245+/-0.110 χ^2/NDF: 4526778.6/38

All: 745.213+/-0.078 χ^2/NDF: 9226893.6/78

- sign 745.181+/-0.112 χ^2/NDF: 4700114.9/39

dit_asym_sam_2468_avg_mean vs Slug



Right In: 26.251+/-41.220 χ^2/NDF: 21.4/15

Left Out: 32.133+/-23.094 χ^2/NDF:19.7/22

Right Out: -60.119+/-41.528 χ^2/NDF: 27.0/18

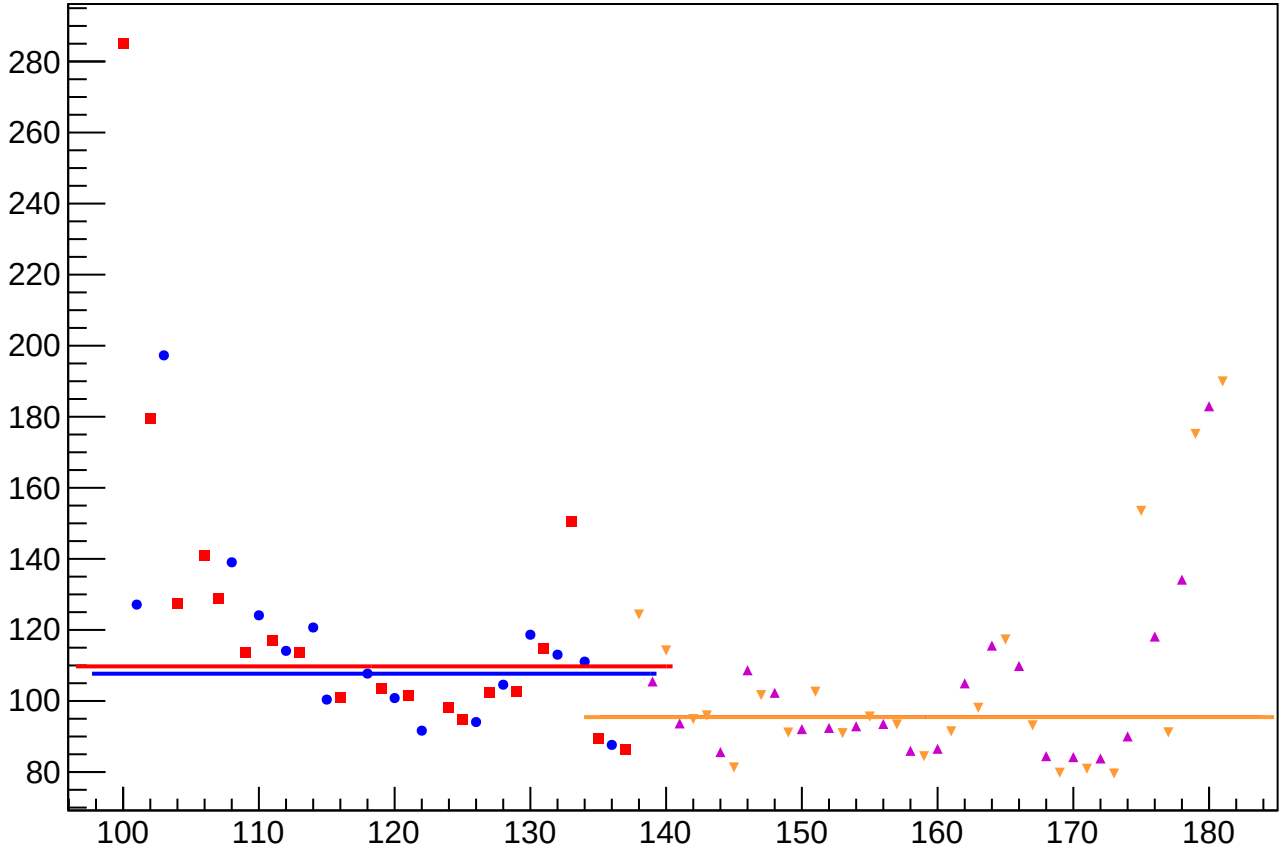
Left In: -74.142+/-23.720 χ^2/NDF:32.0/20

+ sign 30.728+/-20.147 χ^2/NDF: 41.1/38

All: -18.862+/-14.403 χ^2/NDF: 112.5/78

- sign -70.692+/-20.597 χ^2/NDF: 59.1/39

dit_asym_sam_2468_avg_rms vs Slug



Right In: 107.680+/-0.029 χ^2/NDF: 483125.6/15

Left Out: 95.464+/-0.016 χ^2/NDF:1363881.7/22

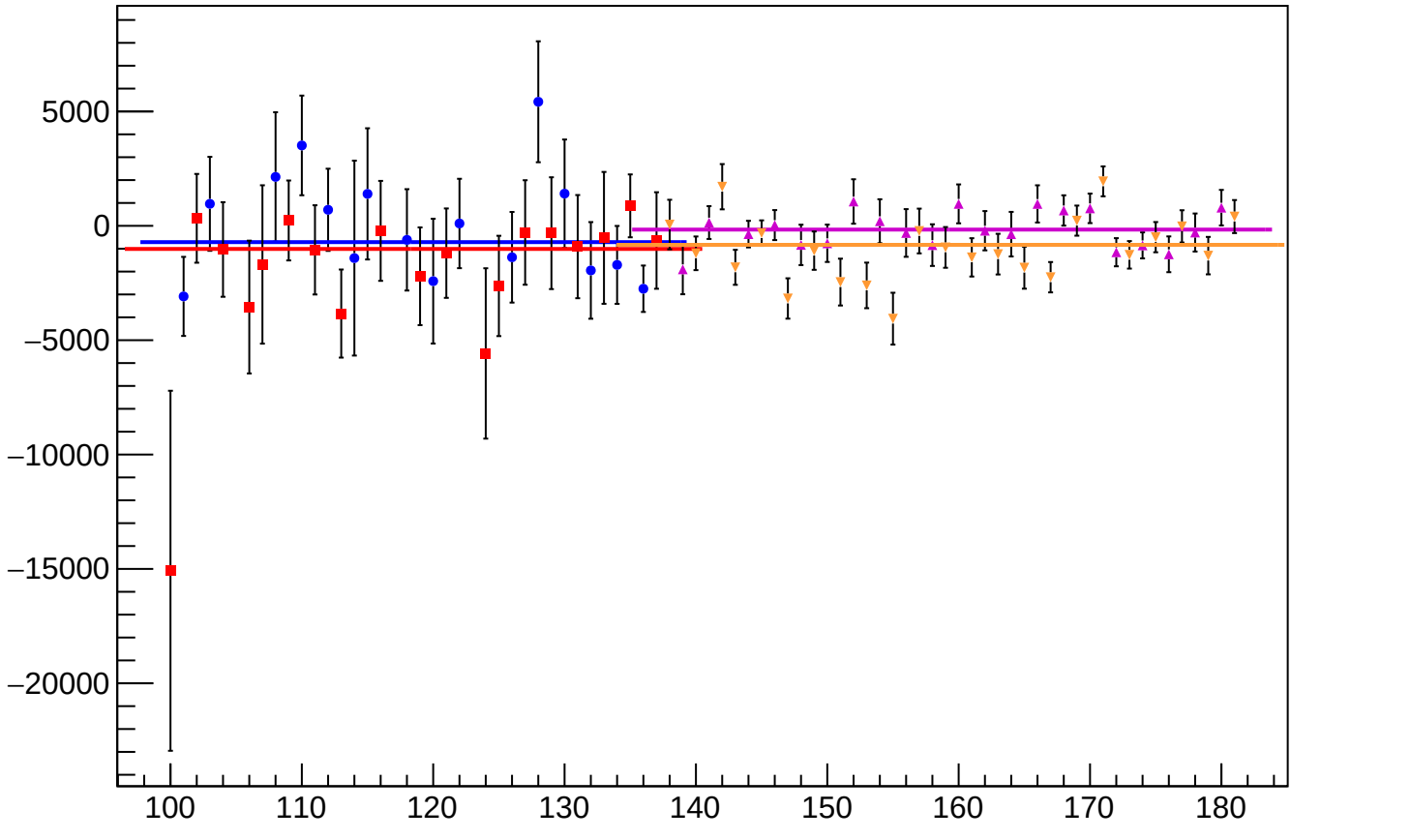
Right Out: 109.739+/-0.029 χ^2/NDF: 491787.3/18

Left In: 95.492+/-0.017 χ^2/NDF:834309.0/20

+ sign 98.382+/-0.014 χ^2/NDF: 1980707.2/38

All: 98.683+/-0.010 χ^2/NDF: 3485205.8/78

- sign 98.997+/-0.015 χ^2/NDF: 1503587.6/39



Right In: -712.887+/-493.253 χ^2/NDF: 20.1/15

Left Out: -831.196+/-162.913 χ^2/NDF:63.7/22

Right Out: -1010.557+/-501.374 χ^2/NDF: 11.8/18

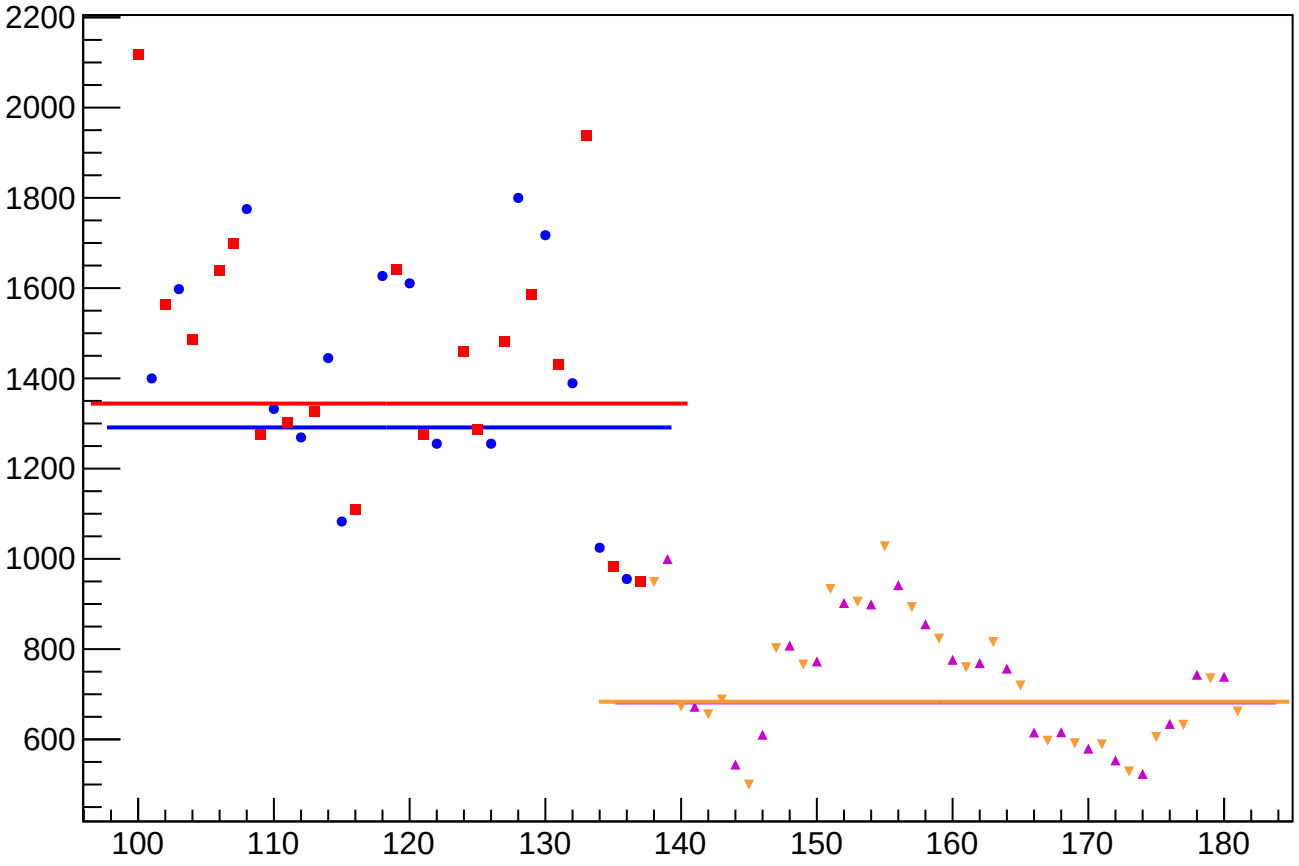
Left In: -164.515+/-167.650 χ^2/NDF:21.3/20

\+ sign -819.559+/-154.694 χ^2/NDF: 83.9/38

All: -542.396+/-110.875 χ^2/NDF: 126.0/78

\- sign -249.599+/-158.997 χ^2/NDF: 35.6/39

asym_sam_2468_avg_dit_correction_rms vs Slug



Right In: 1291.223+/-0.349 χ^2/NDF: 610897.3/15

Left Out: 683.469+/-0.115 χ^2/NDF:1297500.8/22

Right Out: 1344.118+/-0.355 χ^2/NDF: 490963.7/18

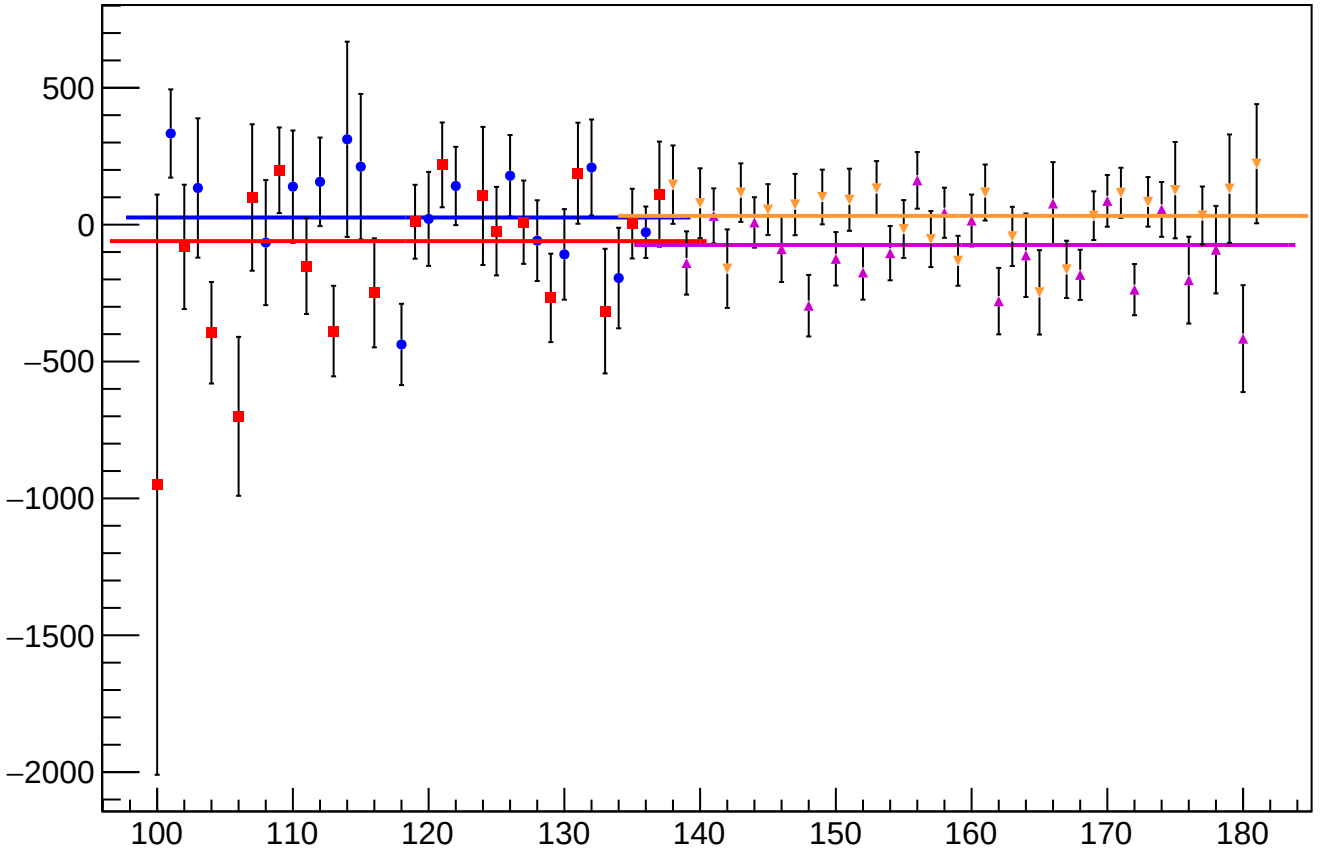
Left In: 681.913+/-0.119 χ^2/NDF:1185912.0/20

+ sign 743.246+/-0.109 χ^2/NDF: 4646064.5/38

All: 745.806+/-0.078 χ^2/NDF: 9462115.7/78

- sign 748.509+/-0.112 χ^2/NDF: 4814925.4/39

eigen_dit_asym_sam_2468_avg_mean vs Slug



Right In: 26.252+/-41.219 χ^2/NDF: 21.4/15

Left Out: 32.134+/-23.094 χ^2/NDF:19.7/22

Right Out: -60.117+/-41.528 χ^2/NDF: 27.0/18

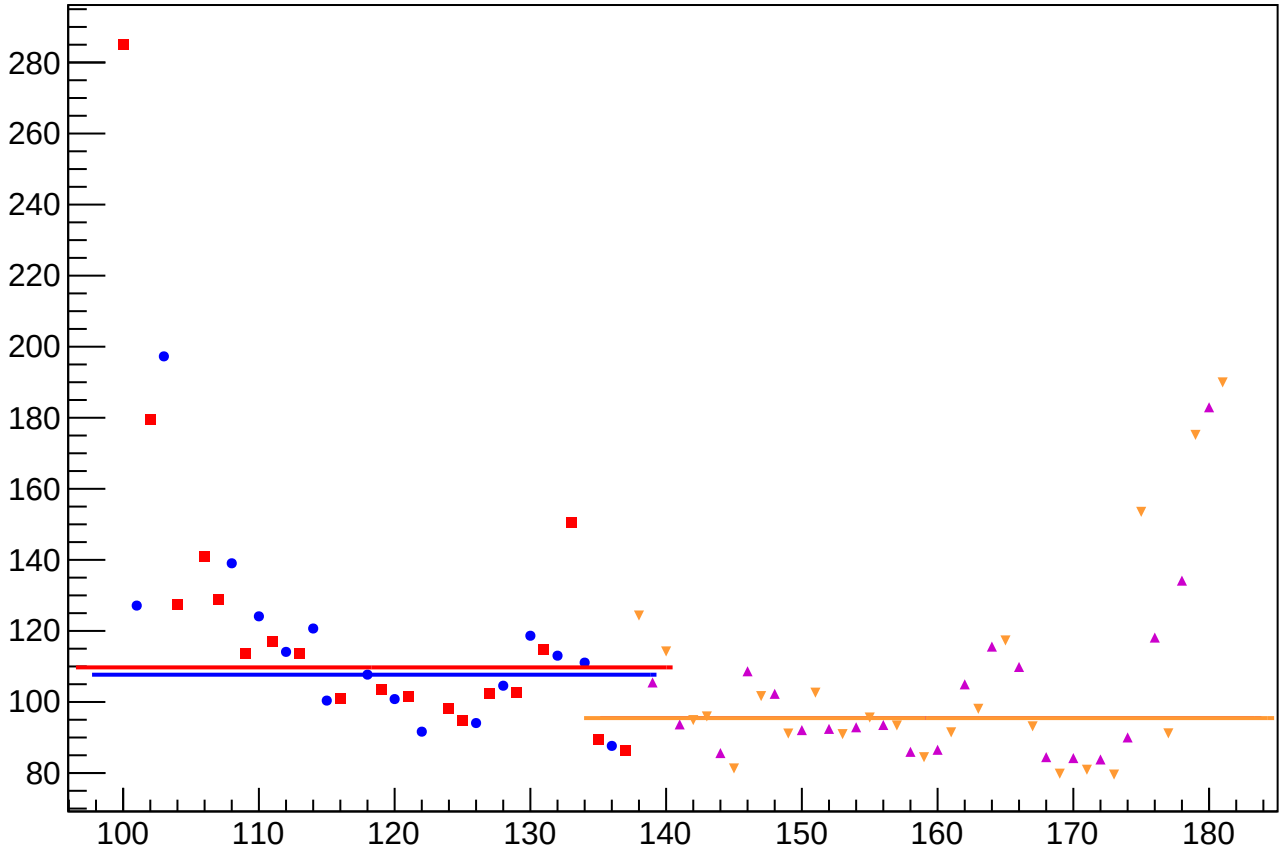
Left In: -74.141+/-23.721 χ^2/NDF:32.0/20

+ sign 30.729+/-20.147 χ^2/NDF: 41.1/38

All: -18.861+/-14.403 χ^2/NDF: 112.5/78

- sign -70.691+/-20.597 χ^2/NDF: 59.1/39

eigen_dit_asym_sam_2468_avg_rms vs Slug



Right In: 107.679+/-0.029 χ^2/NDF: 483112.2/15

Left Out: 95.464+/-0.016 χ^2/NDF:1363882.9/22

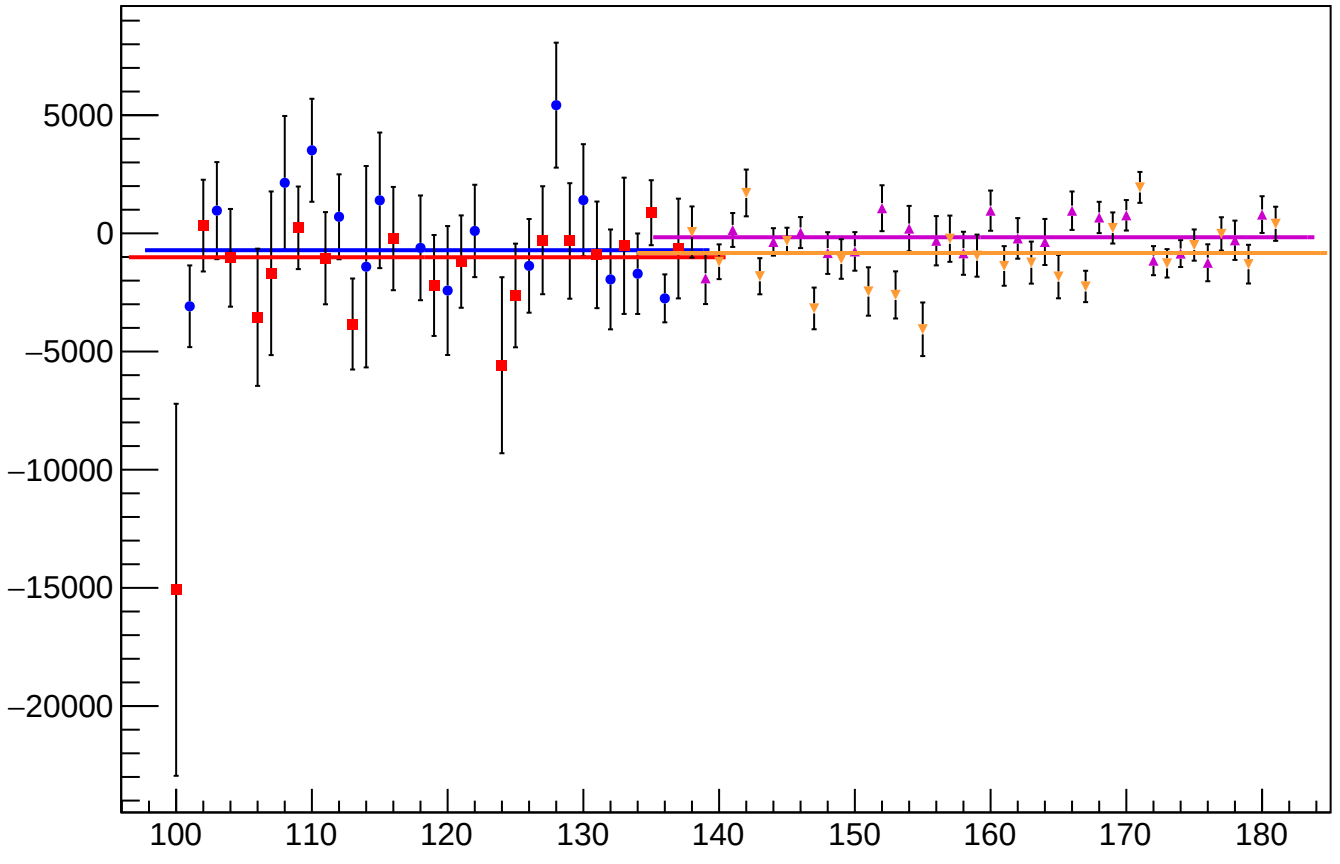
Right Out: 109.739+/-0.029 χ^2/NDF: 491784.5/18

Left In: 95.492+/-0.017 χ^2/NDF:834293.8/20

+ sign 98.382+/-0.014 χ^2/NDF: 1980673.7/38

All: 98.683+/-0.010 χ^2/NDF: 3485132.4/78

- sign 98.997+/-0.015 χ^2/NDF: 1503547.7/39



Right In: -712.881+/-493.252 χ^2/NDF: 20.1/15

Left Out: -831.194+/-162.913 χ^2/NDF:63.7/22

Right Out: -1010.556+/-501.373 χ^2/NDF: 11.8/18

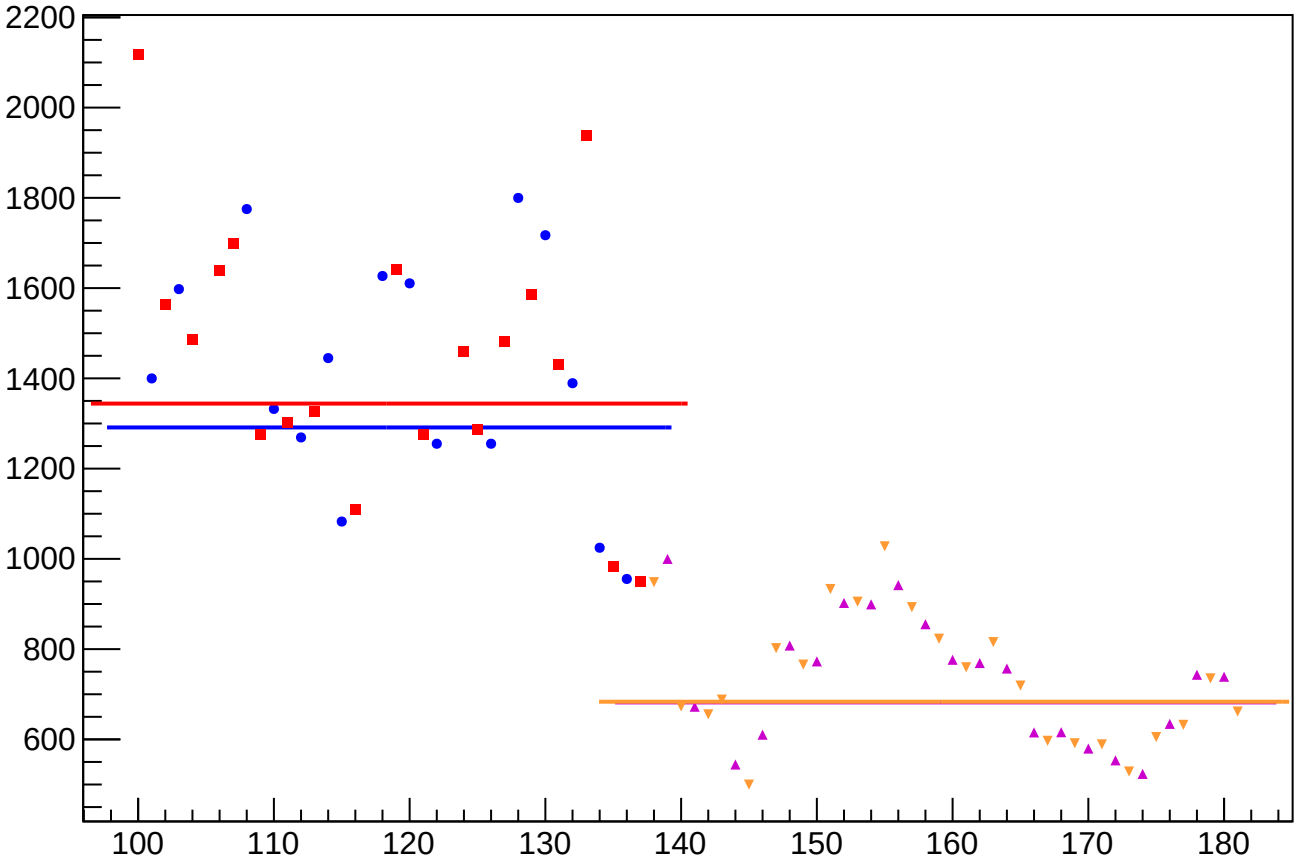
Left In: -164.514+/-167.650 χ^2/NDF:21.3/20

+ sign -819.557+/-154.694 χ^2/NDF: 83.9/38

All: -542.394+/-110.875 χ^2/NDF: 126.0/78

- sign -249.598+/-158.997 χ^2/NDF: 35.6/39

asym_sam_2468_avg_eigen_dit_correction_rms vs Slug



Right In: 1291.220+/-0.349 χ^2/NDF: 610894.9/15

Left Out: 683.468+/-0.115 χ^2/NDF:1297506.8/22

Right Out: 1344.115+/-0.355 χ^2/NDF: 490963.4/18

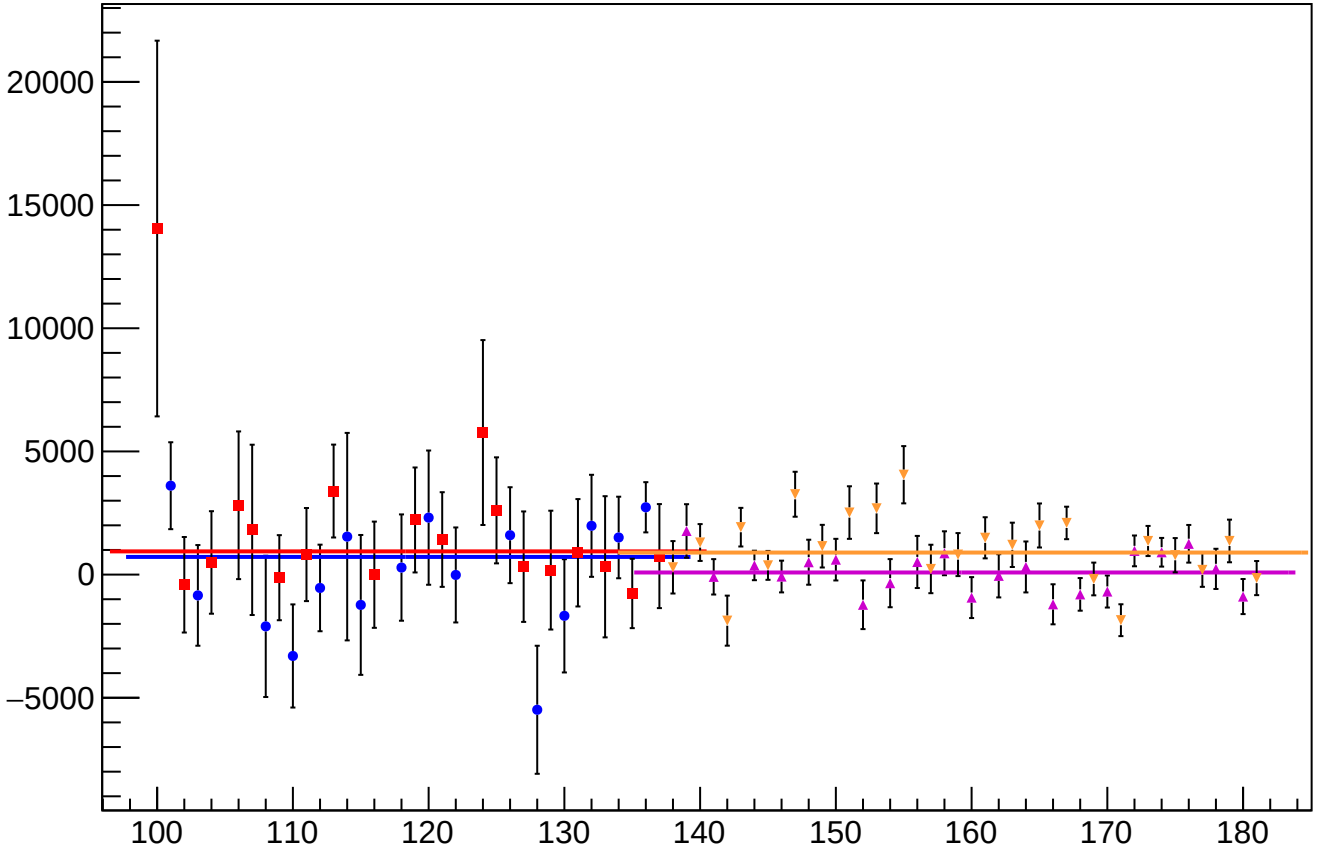
Left In: 681.912+/-0.119 χ^2/NDF:1185913.5/20

+ sign 743.245+/-0.109 χ^2/NDF: 4646069.2/38

All: 745.804+/-0.078 χ^2/NDF: 9462121.9/78

- sign 748.508+/-0.112 χ^2/NDF: 4814927.0/39

asym_sam_2468_avg_mean vs Slug



Right In: 717.617+/-488.239 χ^2/NDF: 21.0/15

Left Out: 894.966+/-164.790 χ^2/NDF:61.0/22

Right Out: 942.308+/-498.052 χ^2/NDF: 10.6/18

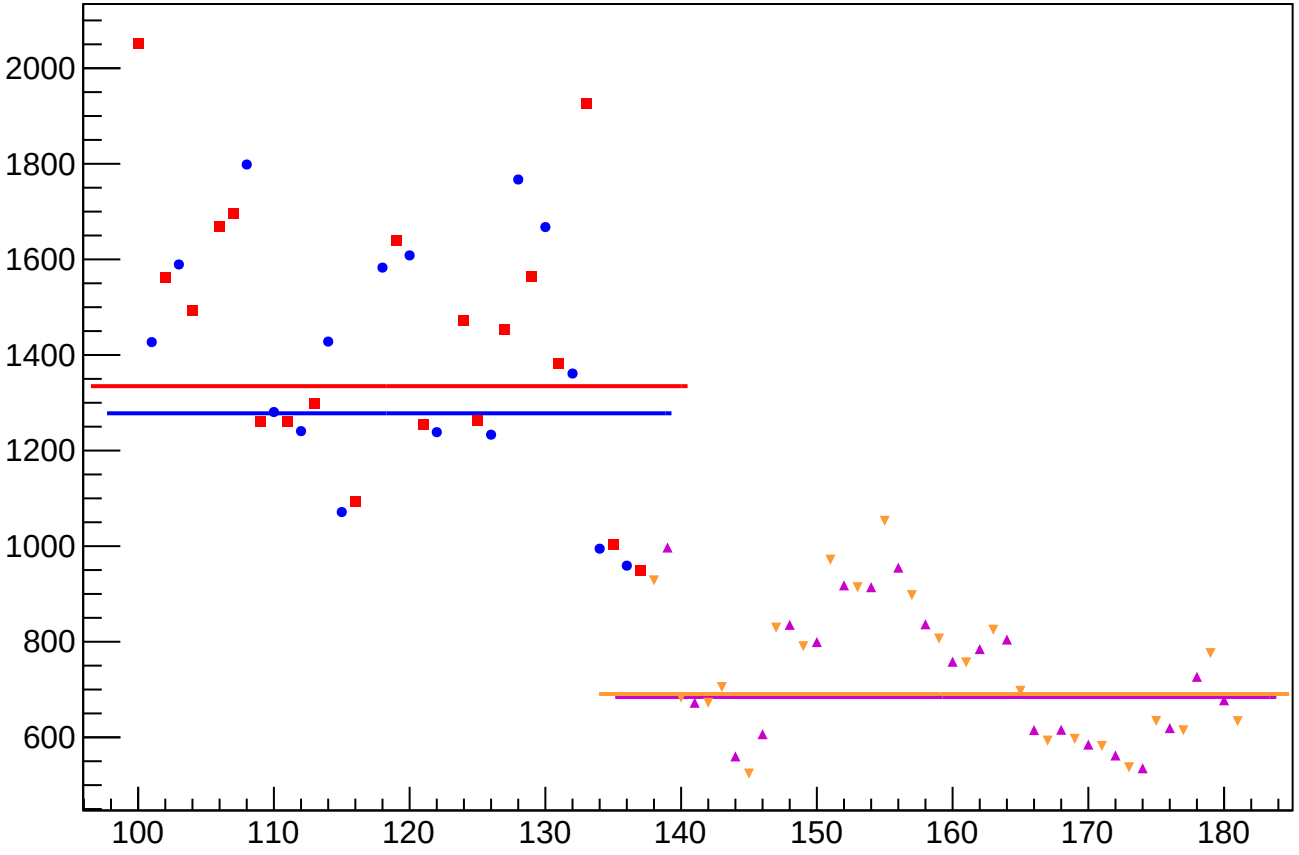
Left In: 85.708+/-168.215 χ^2/NDF:21.7/20

+ sign 876.829+/-156.136 χ^2/NDF: 82.1/38

All: 532.333+/-111.531 χ^2/NDF: 127.0/78

- sign 173.417+/-159.370 χ^2/NDF: 35.0/39

asym_sam_2468_avg_rms vs Slug



Right In: 1277.979+/-0.345 χ^2/NDF: 597666.8/15

Left Out: 690.616+/-0.117 χ^2/NDF:1284775.8/22

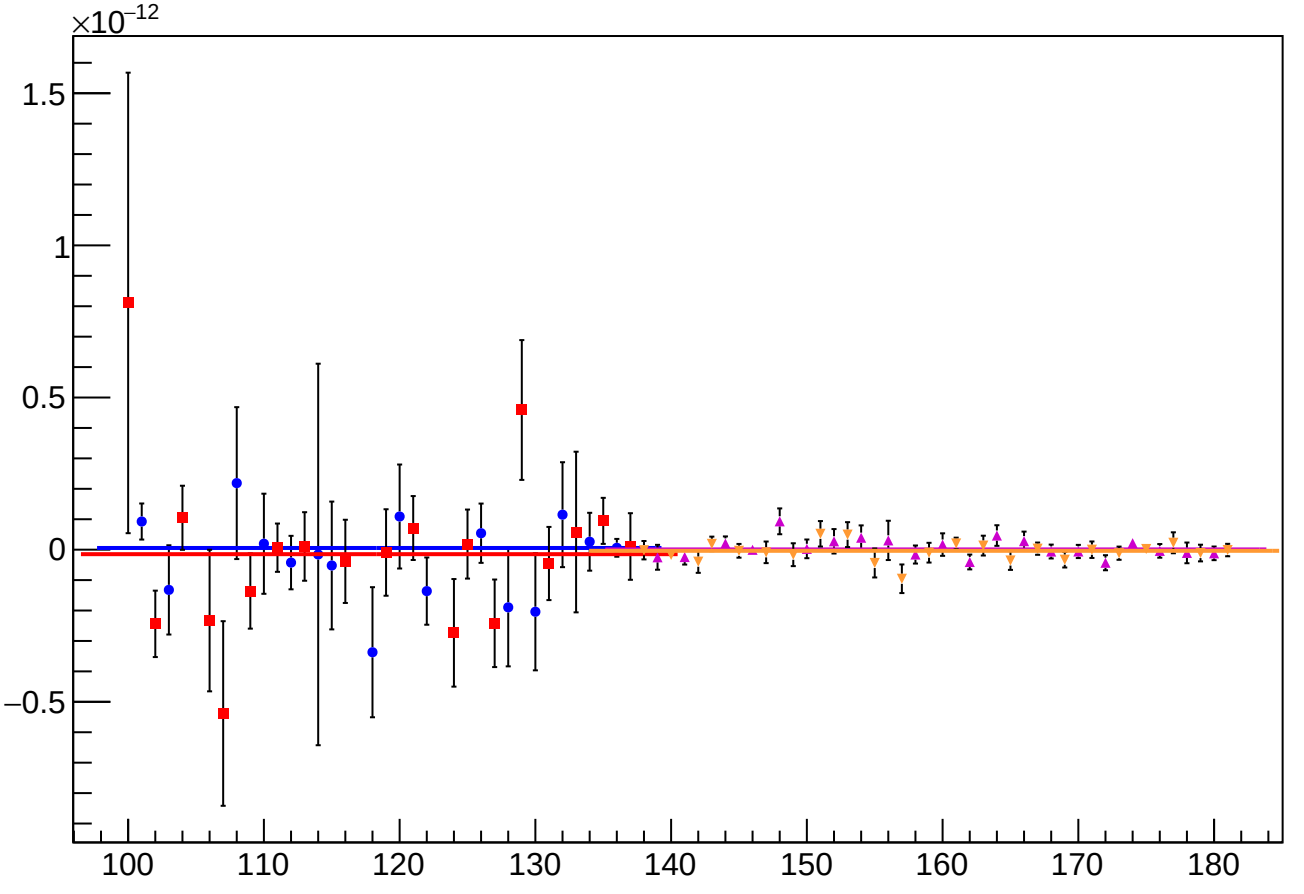
Right Out: 1334.775+/-0.352 χ^2/NDF: 471897.2/18

Left In: 684.465+/-0.119 χ^2/NDF:1164344.3/20

+ sign 750.685+/-0.110 χ^2/NDF: 4480956.2/38

All: 750.865+/-0.079 χ^2/NDF: 9177814.6/78

- sign 751.052+/-0.113 χ^2/NDF: 4696853.0/39



Right In: 0.000+/-0.000 χ^2/NDF: 11.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:16.2/22

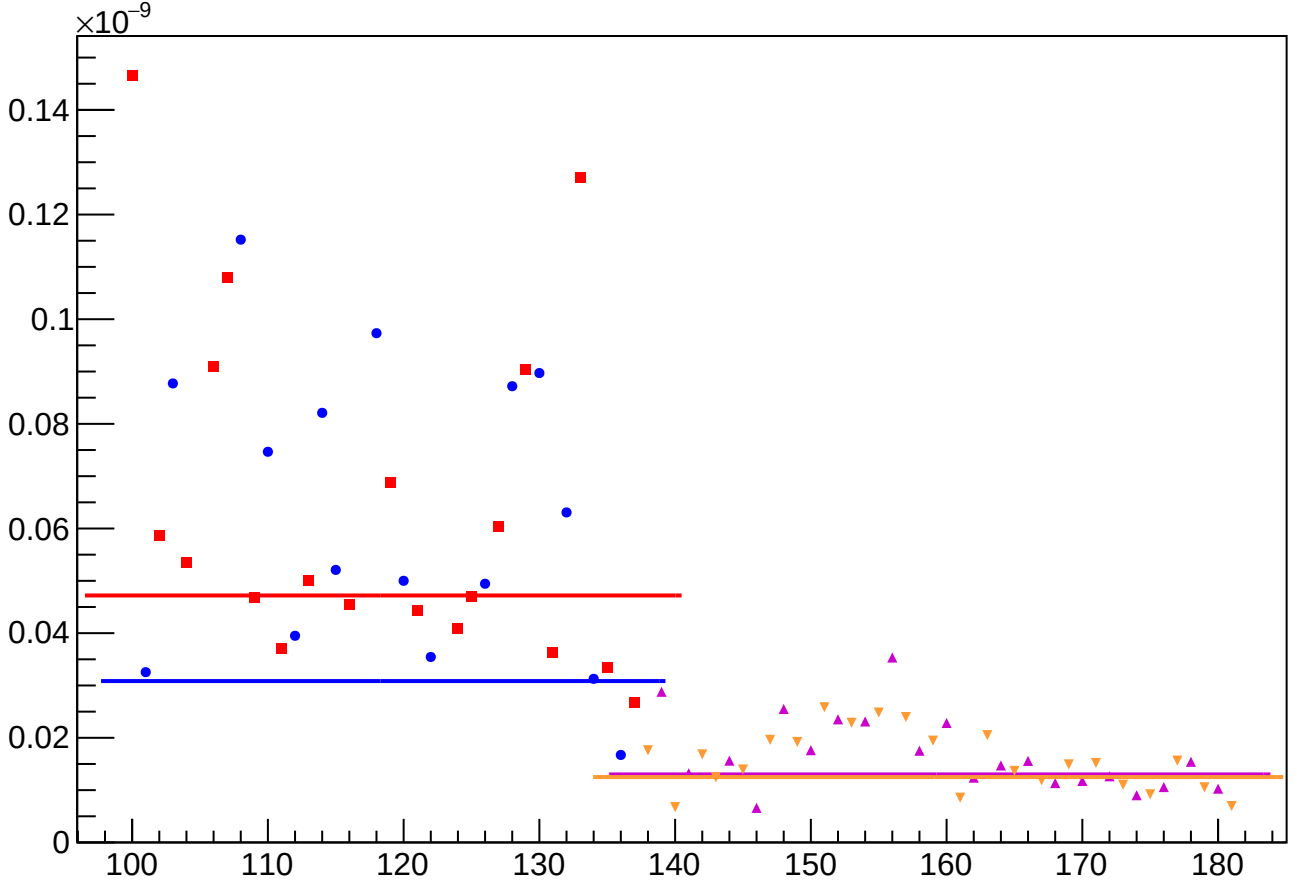
Right Out: -0.000+/-0.000 χ^2/NDF: 23.8/18

Left In: 0.000+/-0.000 χ^2/NDF:19.8/20

+ sign -0.000+/-0.000 χ^2/NDF: 28.0/38

All: -0.000+/-0.000 χ^2/NDF: 72.0/78

- sign 0.000+/-0.000 χ^2/NDF: 43.9/39



Right In: 0.000+/-0.000 χ^2/NDF: 1912879.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1733767.1/22

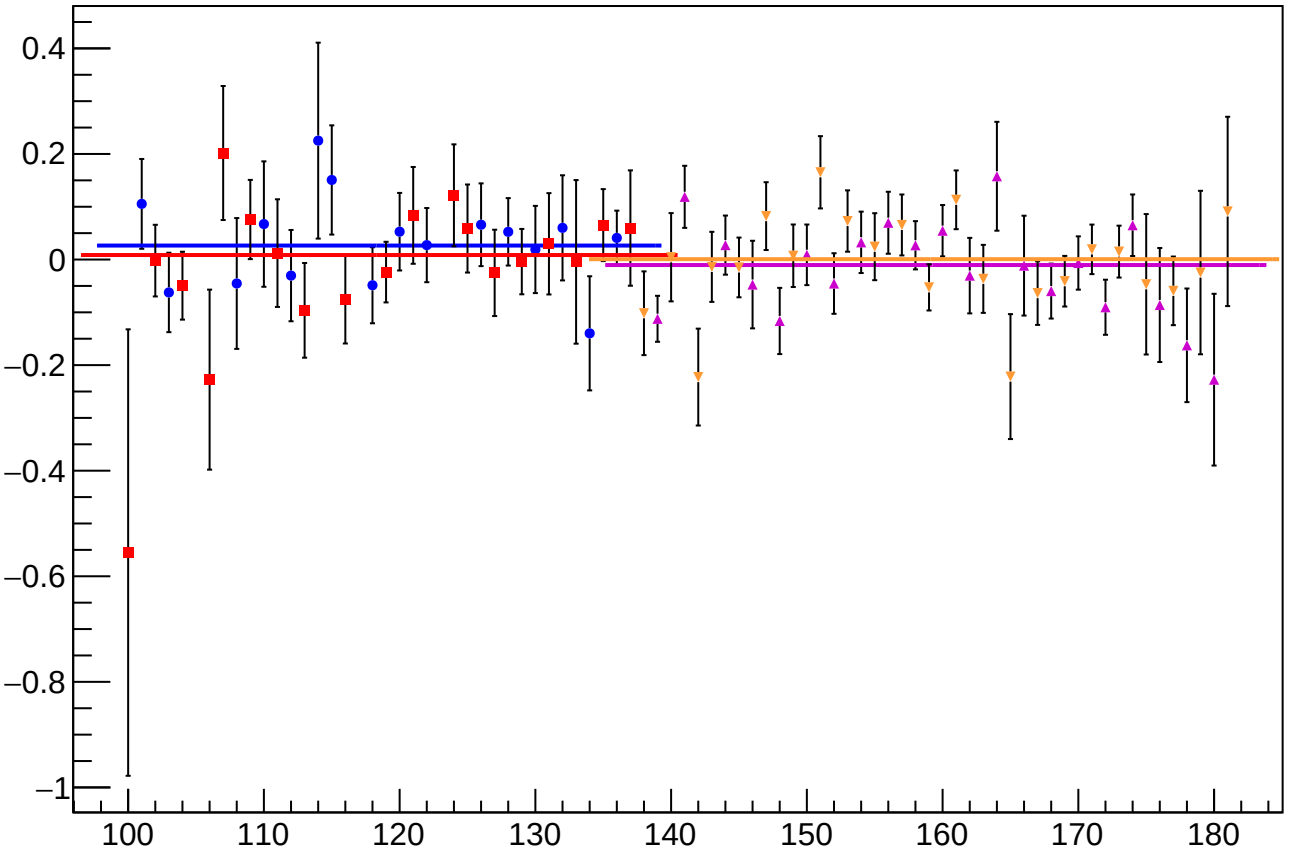
Right Out: 0.000+/-0.000 χ^2/NDF: 722091.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1841477.8/20

+ sign 0.000+/-0.000 χ^2/NDF: 5010860.8/38

All: 0.000+/-0.000 χ^2/NDF: 10343030.4/78

- sign 0.000+/-0.000 χ^2/NDF: 5313199.2/39



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.001+/-0.013 χ^2/NDF:30.9/22

Right Out: 0.009+/-0.019 χ^2/NDF: 13.9/18

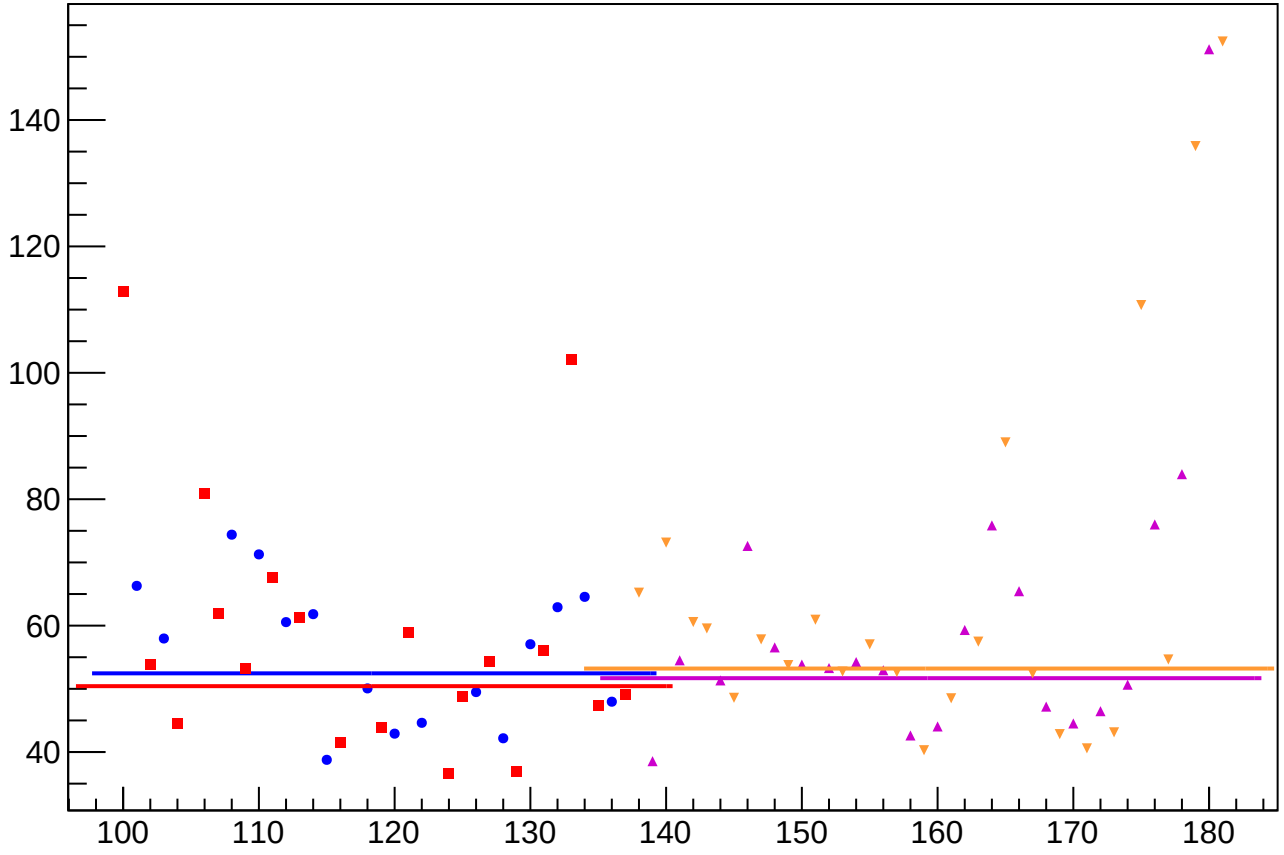
Left In: -0.010+/-0.013 χ^2/NDF:31.1/20

+ sign 0.008+/-0.011 χ^2/NDF: 42.0/38

All: 0.002+/-0.008 χ^2/NDF: 88.3/78

- sign -0.004+/-0.011 χ^2/NDF: 45.7/39

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: 53.211+/-0.009 χ^2/NDF:2507849.8/22

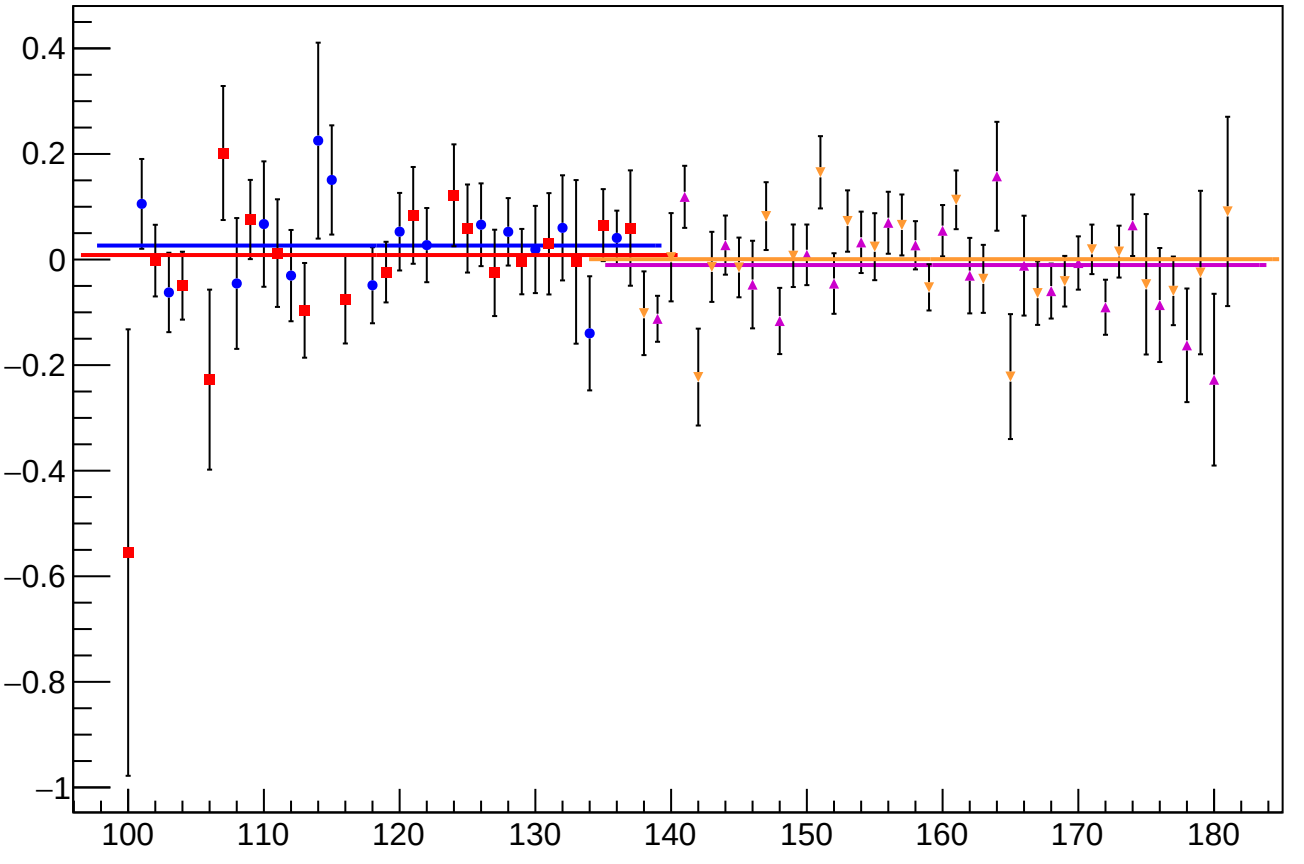
Right Out: 50.423+/-0.014 χ^2/NDF: 676747.2/18

Left In: 51.686+/-0.009 χ^2/NDF:1743564.0/20

+ sign 52.984+/-0.008 χ^2/NDF: 2927810.5/38

All: 52.121+/-0.006 χ^2/NDF: 5377454.0/78

- sign 51.285+/-0.008 χ^2/NDF: 2426049.5/39



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.001+/-0.013 χ^2/NDF:30.9/22

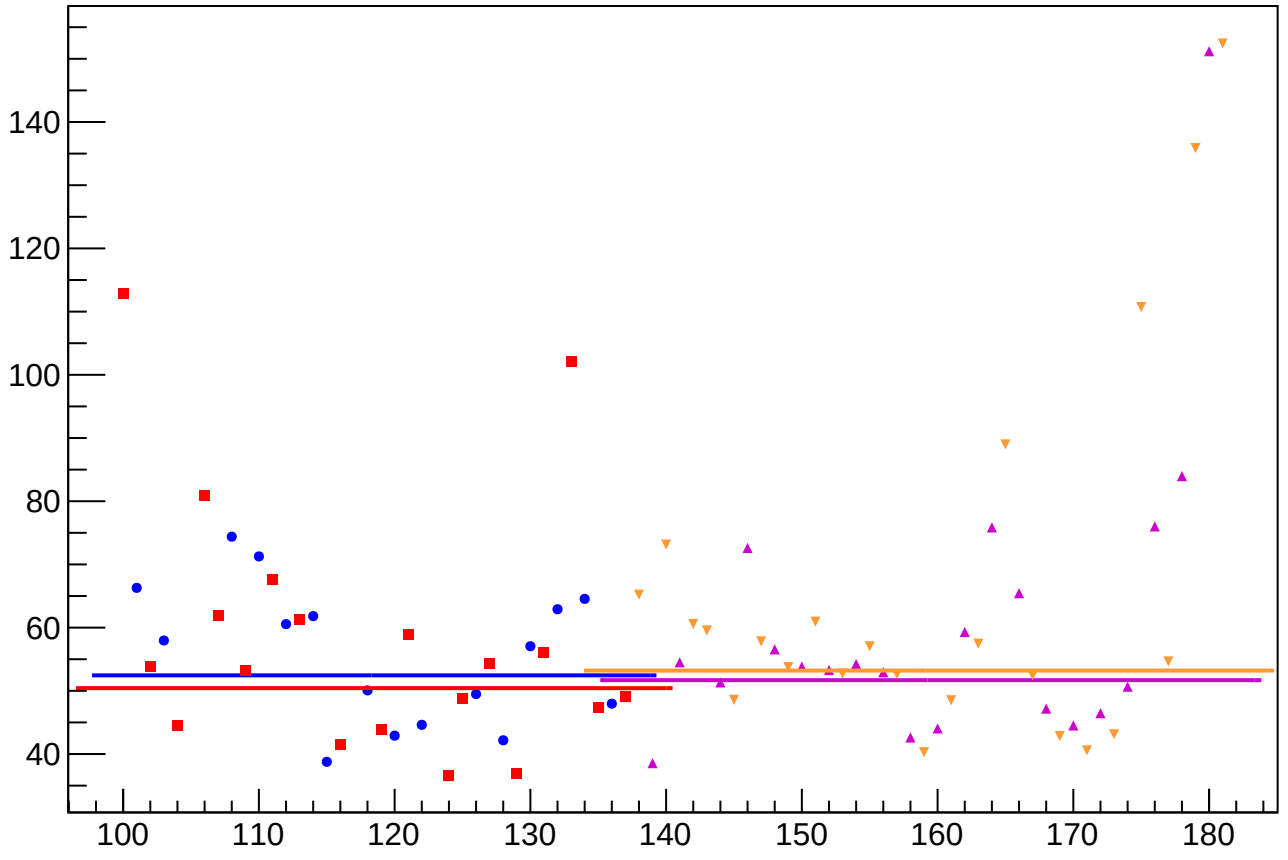
Right Out: 0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: -0.010+/-0.013 χ^2/NDF:31.1/20

+ sign 0.008+/-0.011 χ^2/NDF: 42.0/38

All: 0.002+/-0.008 χ^2/NDF: 88.3/78

- sign -0.004+/-0.011 χ^2/NDF: 45.7/39



Right In: 52.451+/-0.014 χ^2/NDF: 418014.5/15

Left Out: 53.211+/-0.009 χ^2/NDF:2507849.8/22

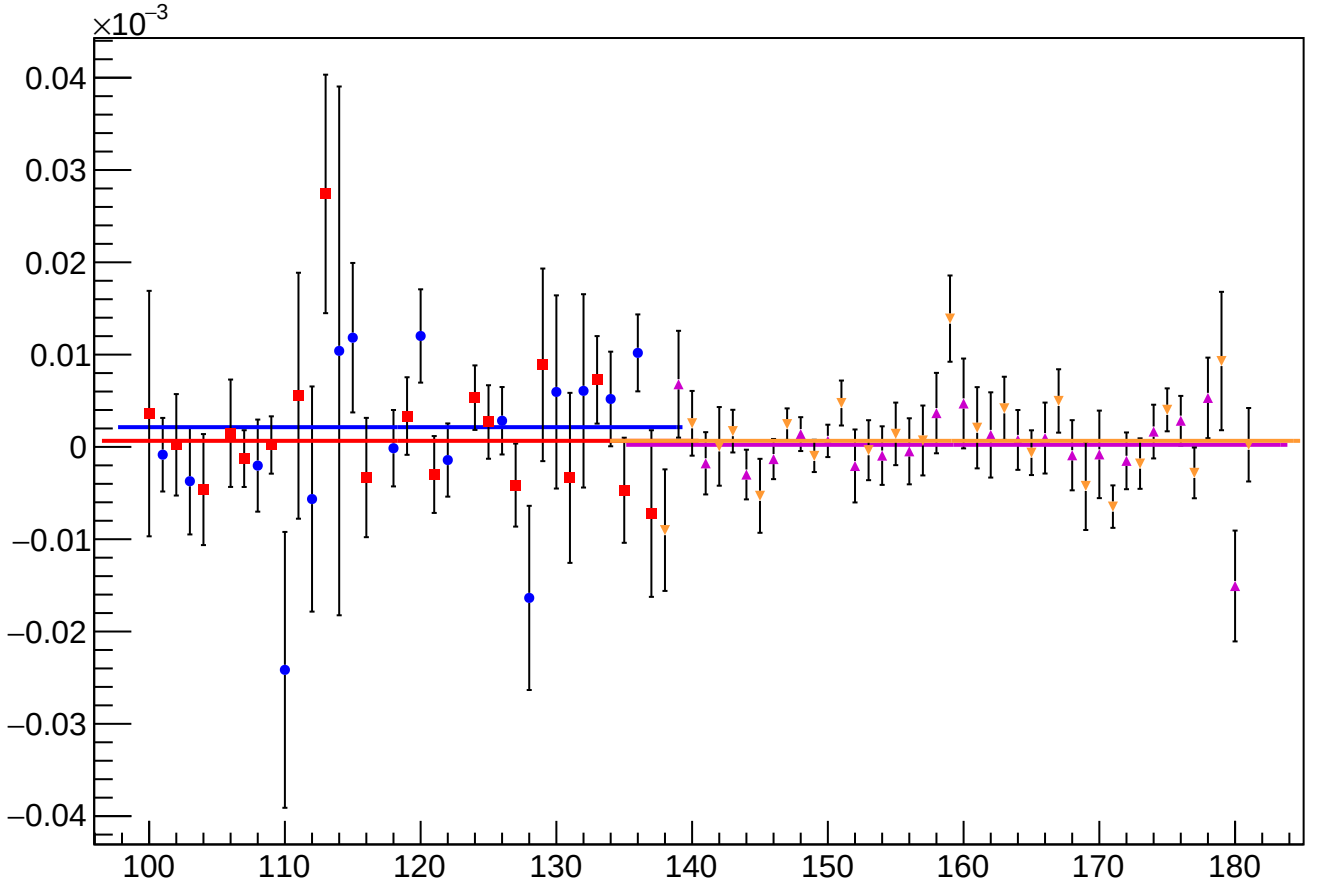
Right Out: 50.423+/-0.014 χ^2/NDF: 676747.2/18

Left In: 51.686+/-0.009 χ^2/NDF:1743564.0/20

+ sign 52.984+/-0.008 χ^2/NDF: 2927810.5/38

All: 52.121+/-0.006 χ^2/NDF: 5377454.0/78

- sign 51.285+/-0.008 χ^2/NDF: 2426049.5/39



Right In: 0.000+/-0.000 χ^2/NDF: 20.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:37.4/22

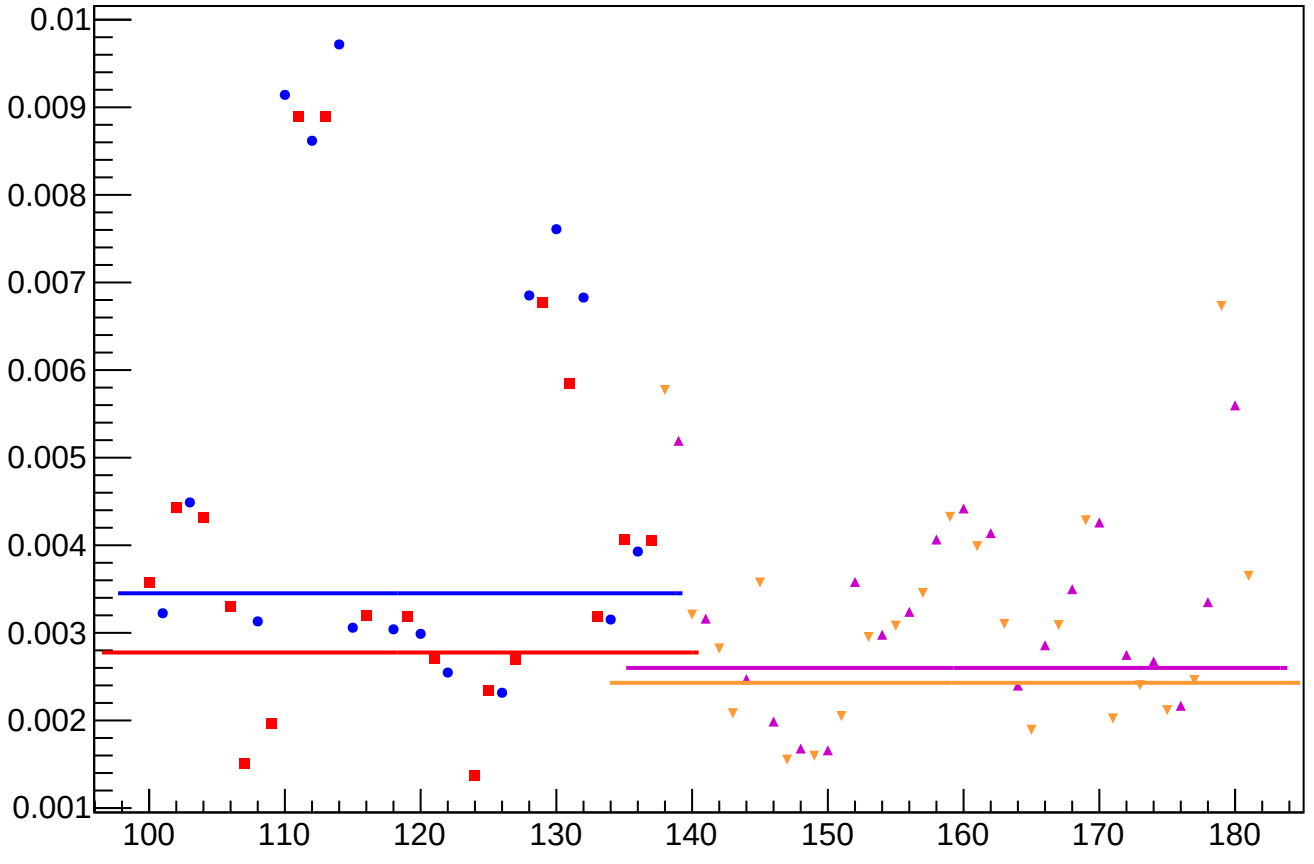
Right Out: 0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: 0.000+/-0.000 χ^2/NDF:15.6/20

+ sign 0.000+/-0.000 χ^2/NDF: 58.4/38

All: 0.000+/-0.000 χ^2/NDF: 89.4/78

- sign 0.000+/-0.000 χ^2/NDF: 30.6/39



Right In: 0.003+/-0.000 χ^2/NDF: 1951102.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:4216330.6/22

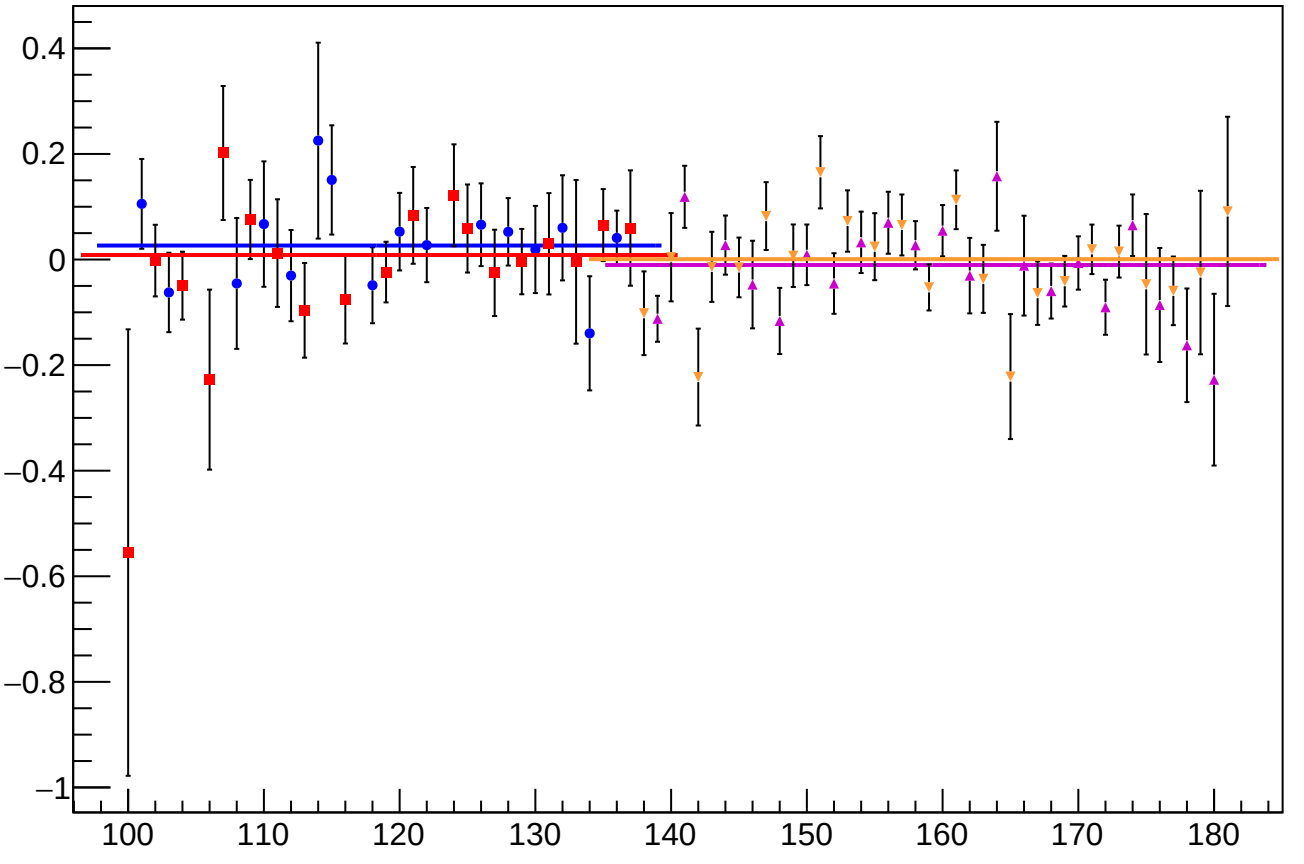
Right Out: 0.003+/-0.000 χ^2/NDF: 2734939.6/18

Left In: 0.003+/-0.000 χ^2/NDF:3631992.2/20

+ sign 0.003+/-0.000 χ^2/NDF: 7079385.4/38

All: 0.003+/-0.000 χ^2/NDF: 13488970.9/78

- sign 0.003+/-0.000 χ^2/NDF: 6401840.1/39



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.001+/-0.013 χ^2/NDF:30.9/22

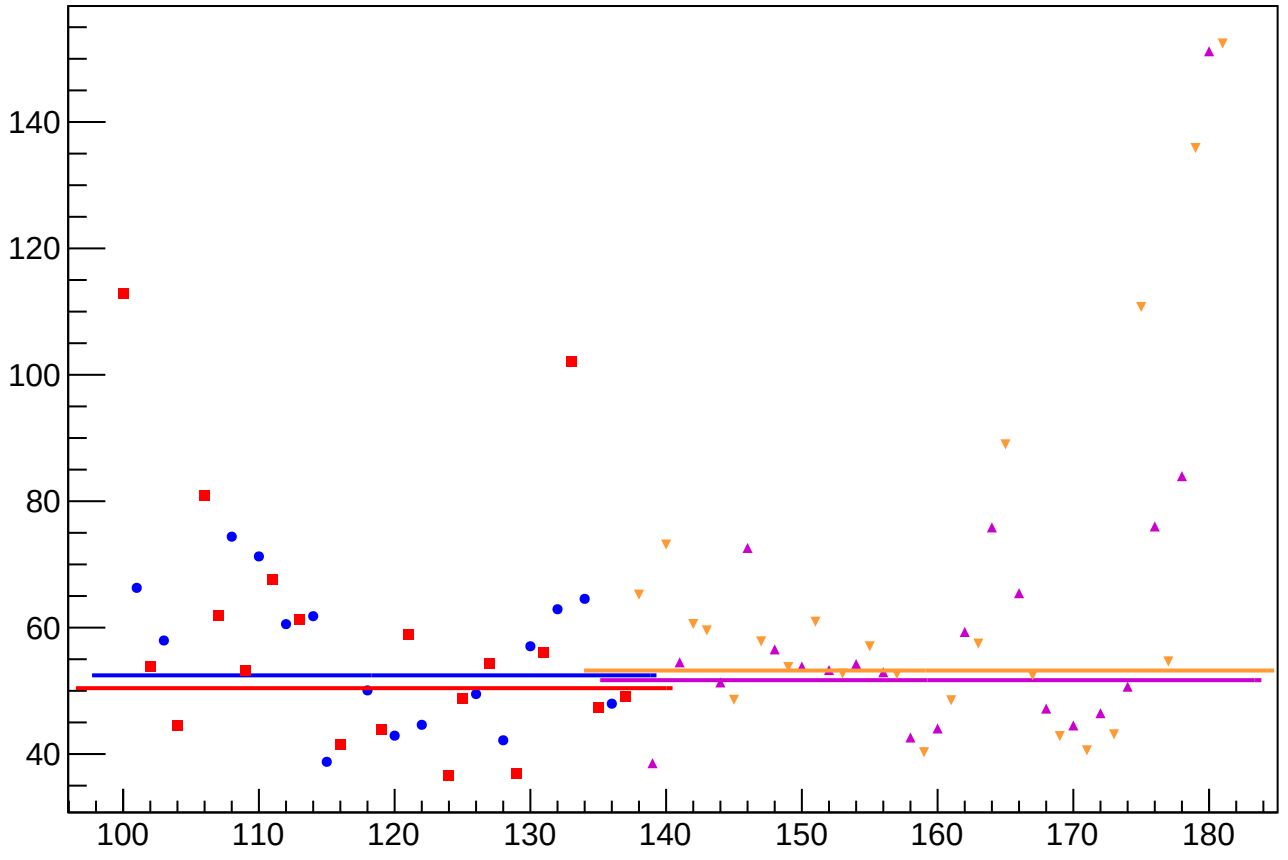
Right Out: 0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: -0.010+/-0.013 χ^2/NDF:31.1/20

+ sign 0.008+/-0.011 χ^2/NDF: 42.0/38

All: 0.002+/-0.008 χ^2/NDF: 88.3/78

- sign -0.004+/-0.011 χ^2/NDF: 45.7/39



Right In: 52.450+/-0.014 χ^2/NDF: 417967.5/15

Left Out: 53.211+/-0.009 χ^2/NDF:2507873.7/22

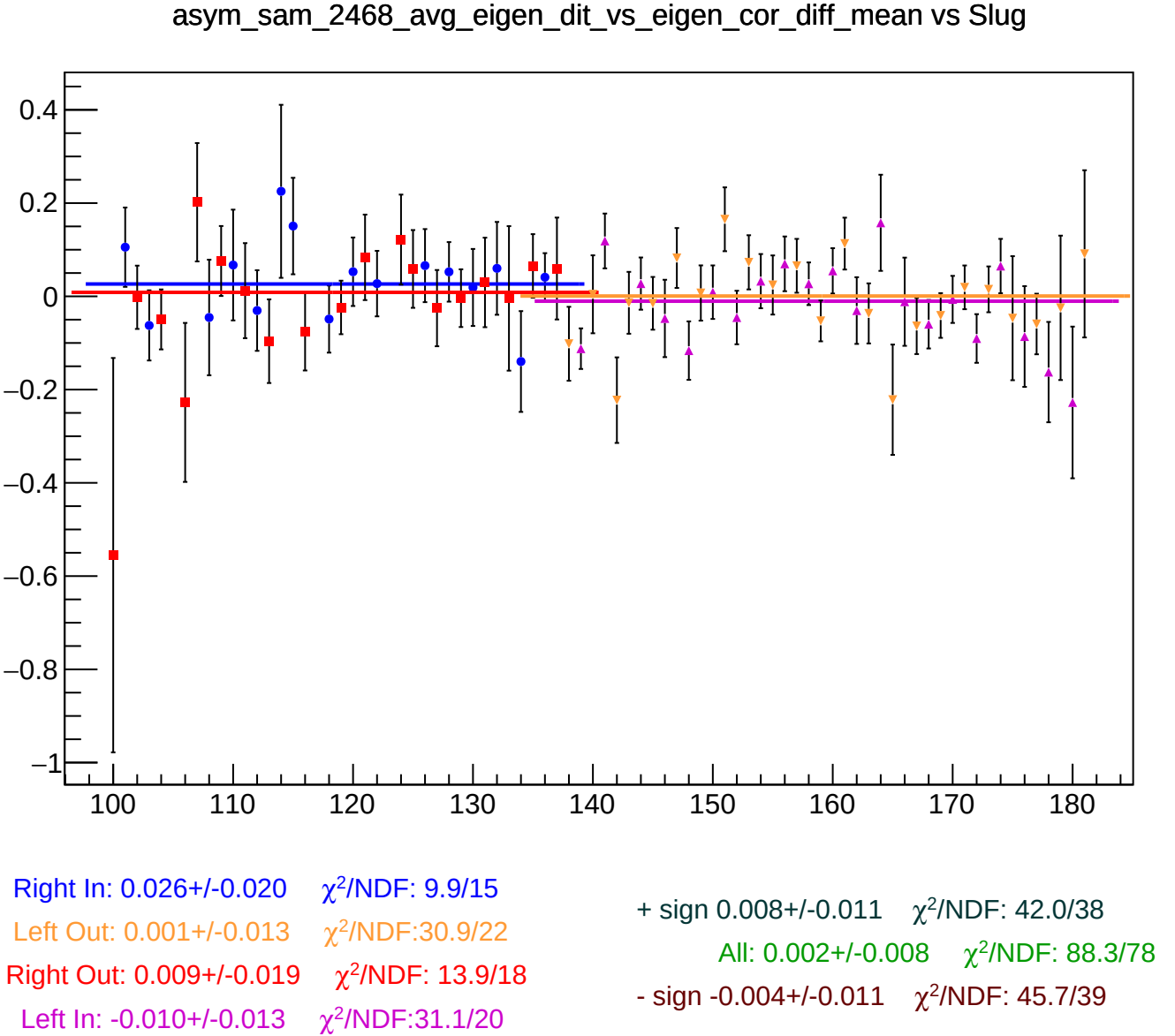
Right Out: 50.422+/-0.014 χ^2/NDF: 676753.5/18

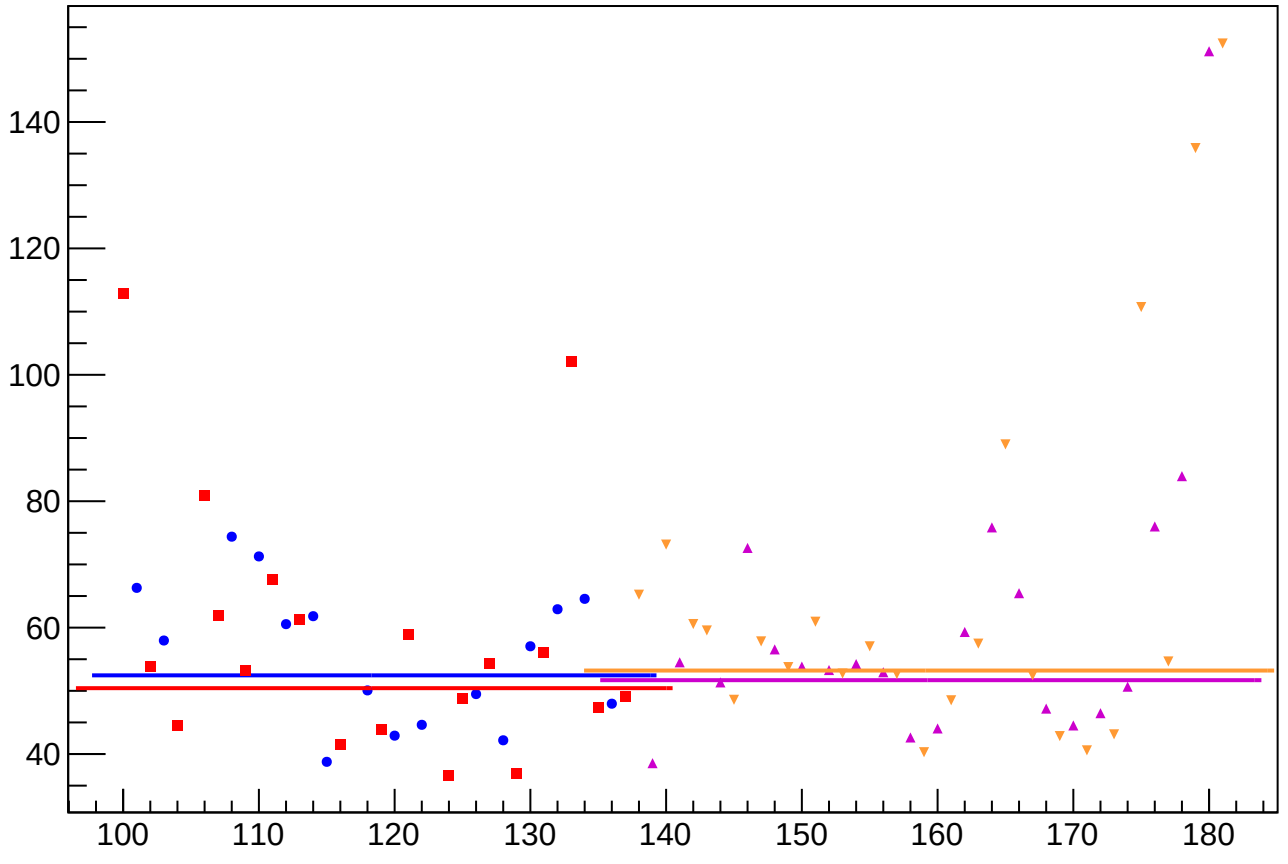
Left In: 51.686+/-0.009 χ^2/NDF:1743609.6/20

+ sign 52.984+/-0.008 χ^2/NDF: 2927794.9/38

All: 52.121+/-0.006 χ^2/NDF: 5377504.9/78

- sign 51.285+/-0.008 χ^2/NDF: 2426114.2/39


asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
100
110
120
130
140
150
160
170
180
Right In: 0.026+/-0.020 χ²/NDF: 9.9/15
Left Out: 0.001+/-0.013 χ²/NDF:30.9/22
Right Out: 0.009+/-0.019 χ²/NDF: 13.9/18
Left In: -0.010+/-0.013 χ²/NDF:31.1/20
+ sign 0.008+/-0.011 χ²/NDF: 42.0/38
All: 0.002+/-0.008 χ²/NDF: 88.3/78
- sign -0.004+/-0.011 χ²/NDF: 45.7/39



Right In: 52.450+/-0.014 χ^2/NDF: 417967.5/15

Left Out: 53.211+/-0.009 χ^2/NDF:2507873.7/22

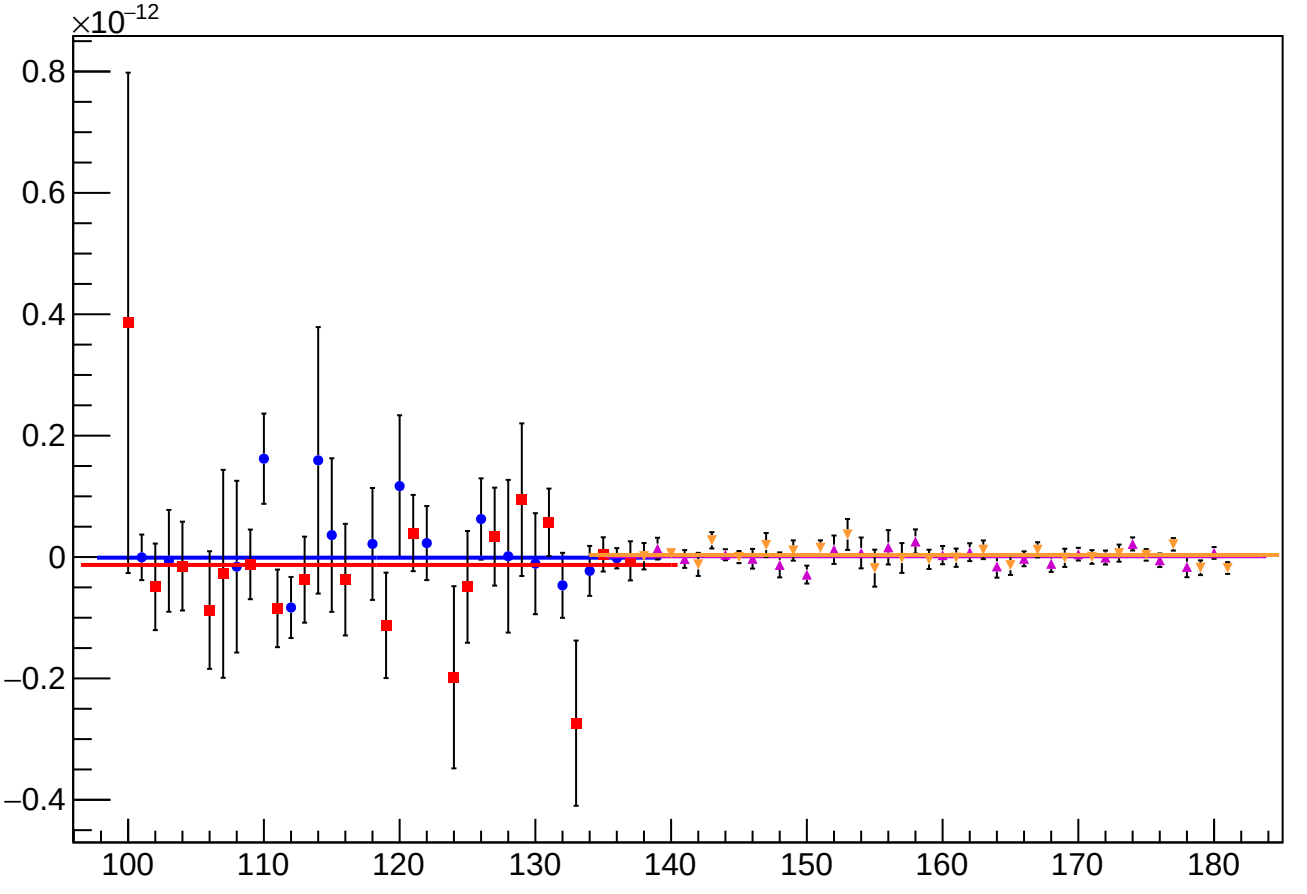
Right Out: 50.422+/-0.014 χ^2/NDF: 676753.5/18

Left In: 51.686+/-0.009 χ^2/NDF:1743609.6/20

+ sign 52.984+/-0.008 χ^2/NDF: 2927794.9/38

All: 52.121+/-0.006 χ^2/NDF: 5377504.9/78

- sign 51.285+/-0.008 χ^2/NDF: 2426114.2/39



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:21.4/22

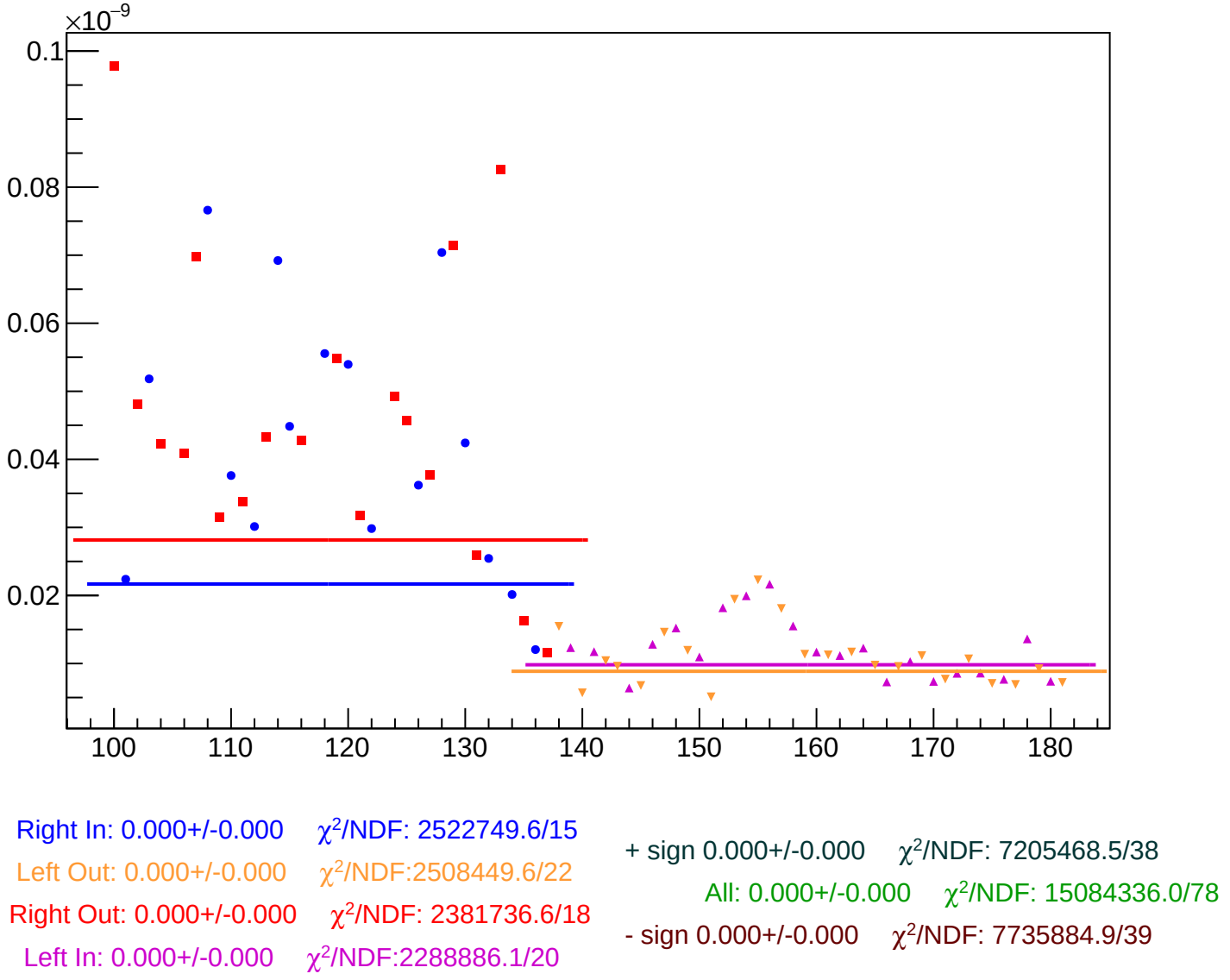
Right Out: -0.000+/-0.000 χ^2/NDF: 13.7/18

Left In: 0.000+/-0.000 χ^2/NDF:14.8/20

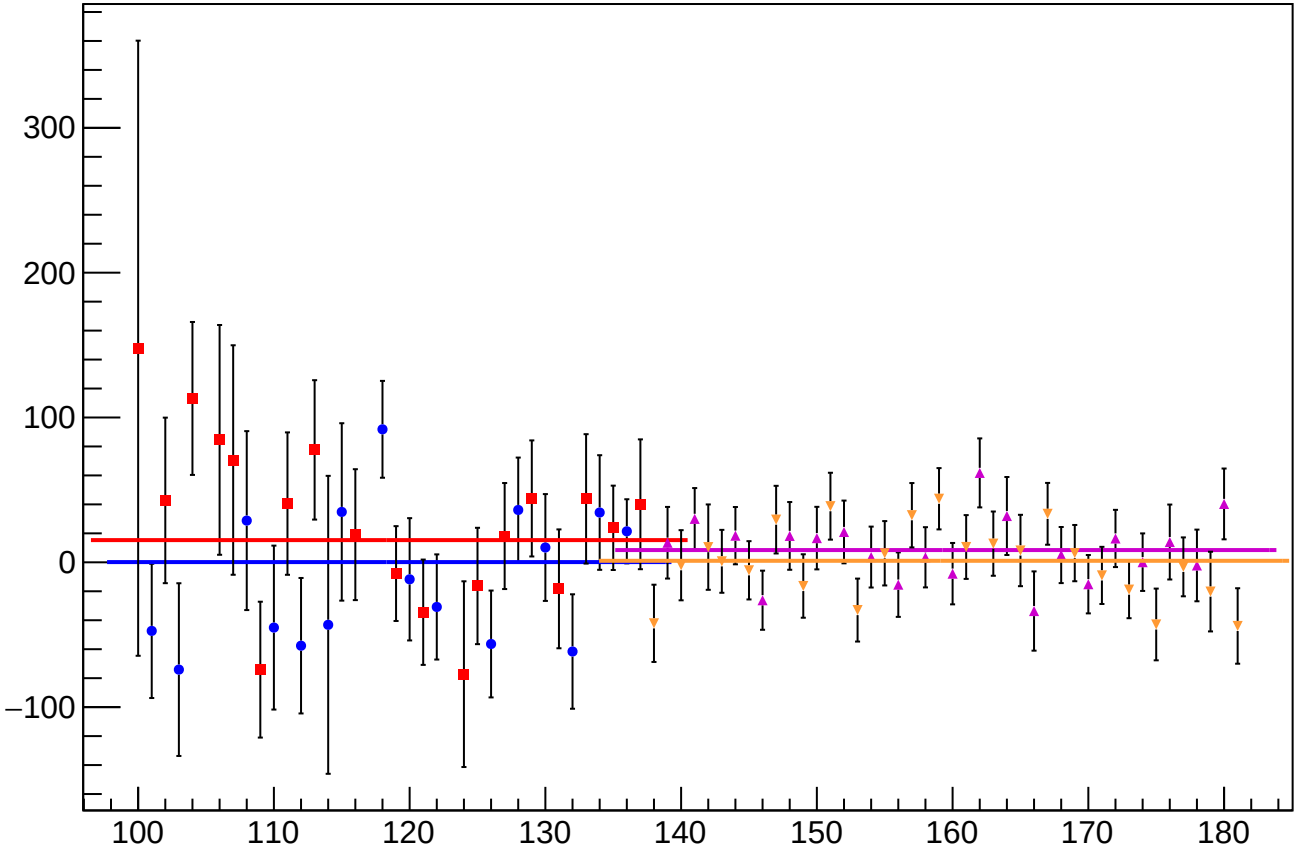
+ sign 0.000+/-0.000 χ^2/NDF: 32.8/38

All: 0.000+/-0.000 χ^2/NDF: 62.6/78

- sign 0.000+/-0.000 χ^2/NDF: 29.4/39


asym_sam_2468_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: 2522749.6/15
Left Out: 0.000+/-0.000 χ²/NDF:2508449.6/22
Right Out: 0.000+/-0.000 χ²/NDF: 2381736.6/18
Left In: 0.000+/-0.000 χ²/NDF:2288886.1/20
+ sign 0.000+/-0.000 χ²/NDF: 7205468.5/38
All: 0.000+/-0.000 χ²/NDF: 15084336.0/78
- sign 0.000+/-0.000 χ²/NDF: 7735884.9/39

reg_asym_sam_1357_2468_dd_mean vs Slug



Right In: 0.155+/-10.048 χ^2/NDF: 21.3/15

Left Out: 1.047+/-4.682 χ^2/NDF:27.2/22

Right Out: 15.333+/-10.267 χ^2/NDF: 17.9/18

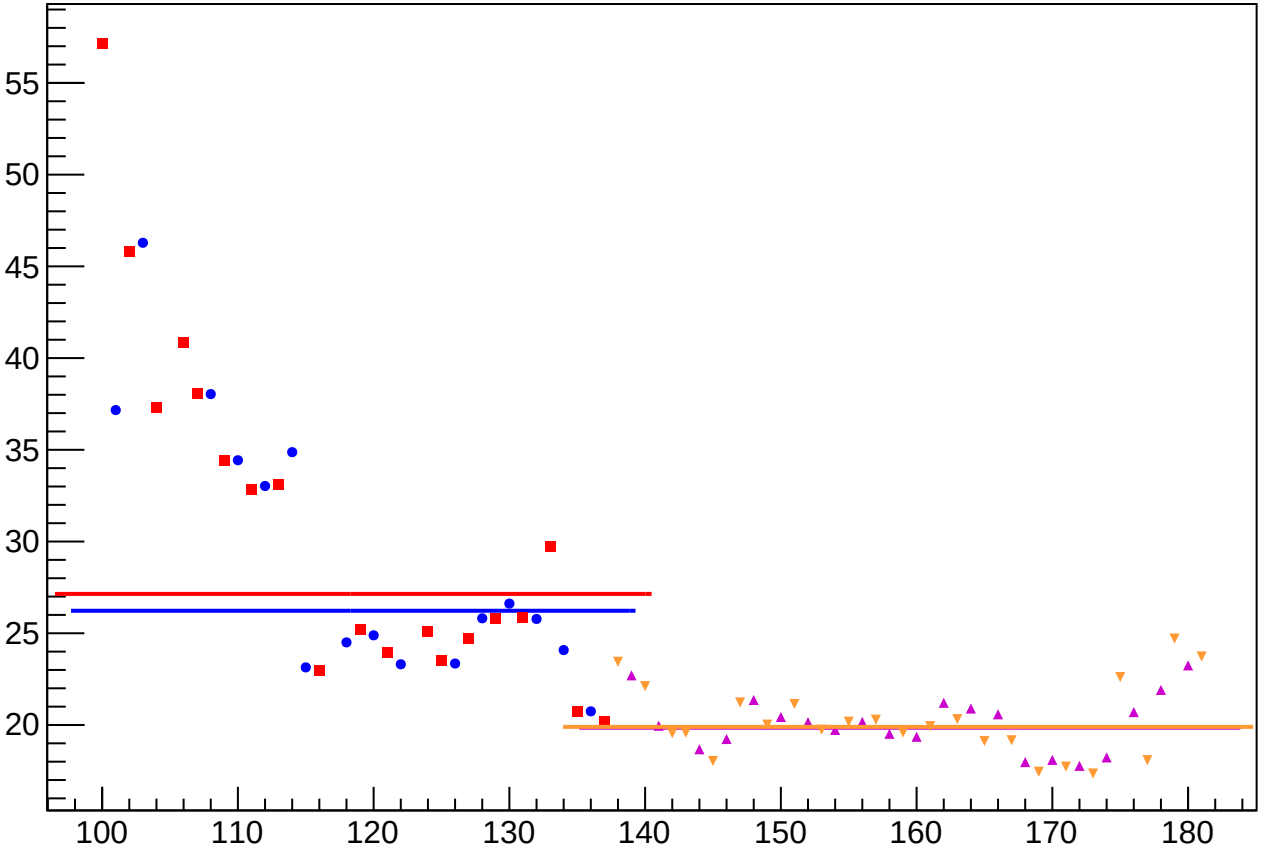
Left In: 8.461+/-4.810 χ^2/NDF:18.5/20

+ sign 0.888+/-4.244 χ^2/NDF: 48.6/38

All: 5.179+/-3.040 χ^2/NDF: 87.5/78

- sign 9.698+/-4.356 χ^2/NDF: 36.8/39

reg_asym_sam_1357_2468_dd_rms vs Slug



Right In: 26.227+/-0.007 χ^2/NDF: 676026.2/15

Left Out: 19.898+/-0.003 χ^2/NDF:322612.9/22

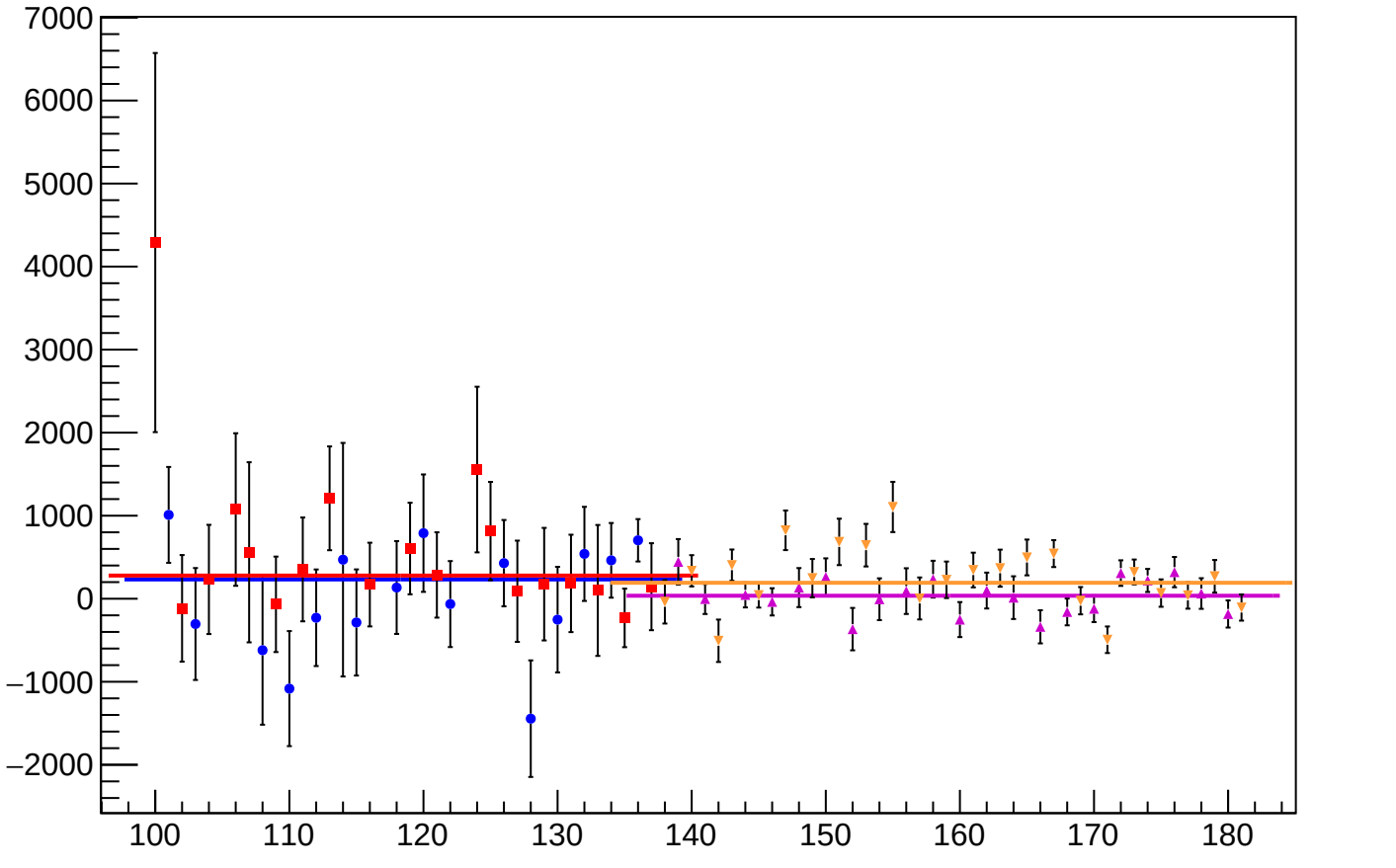
Right Out: 27.145+/-0.007 χ^2/NDF: 755419.8/18

Left In: 19.851+/-0.003 χ^2/NDF:182752.1/20

+ sign 21.027+/-0.003 χ^2/NDF: 1650640.2/38

All: 21.094+/-0.002 χ^2/NDF: 3417603.0/78

- sign 21.164+/-0.003 χ^2/NDF: 1765947.0/39



Right In: 232.092+/-134.871 χ^2/NDF: 19.6/15

Left Out: 192.122+/-40.585 χ^2/NDF:68.0/22

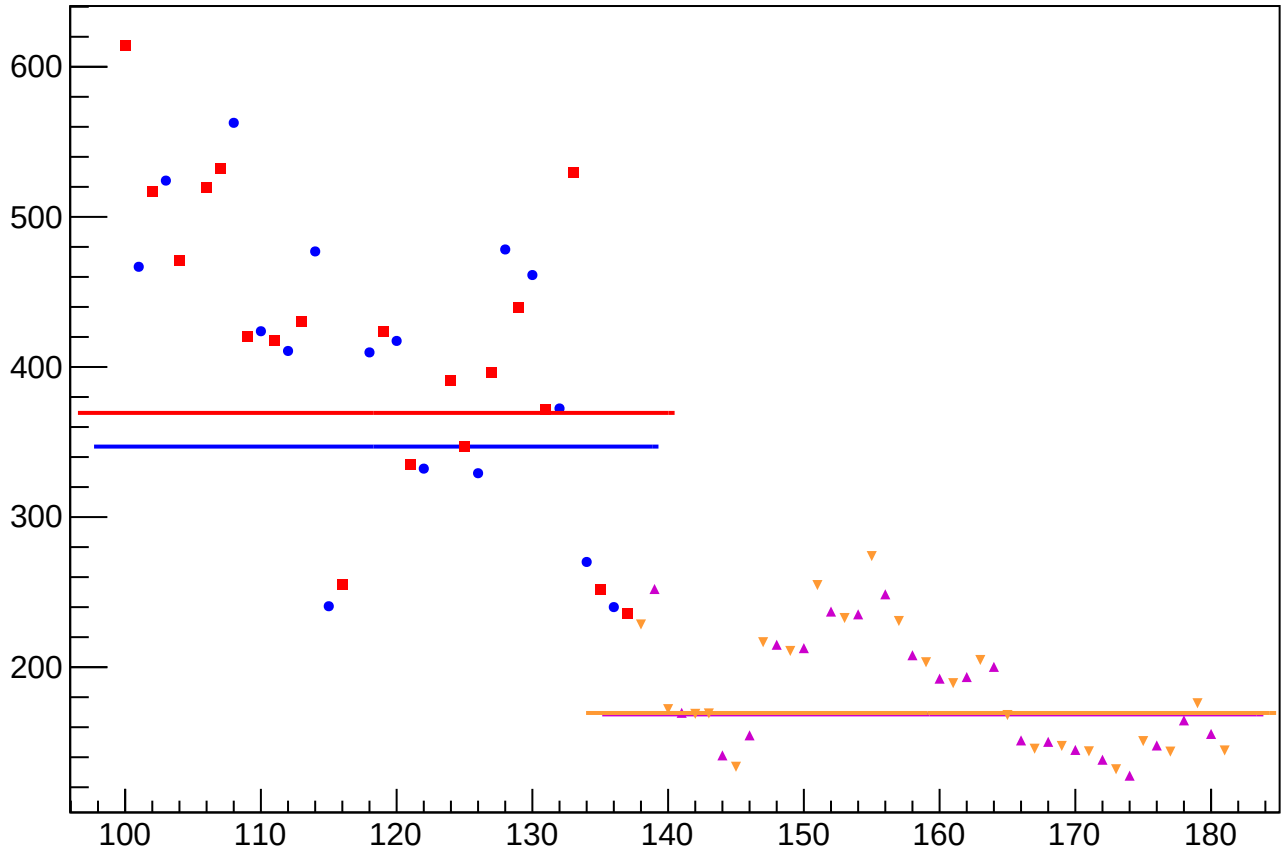
Right Out: 279.042+/-139.965 χ^2/NDF: 12.1/18

Left In: 35.994+/-41.556 χ^2/NDF:24.0/20

\+ sign 195.441+/-38.863 χ^2/NDF: 87.7/38

All: 127.291+/-27.819 χ^2/NDF: 132.9/78

\- sign 55.684+/-39.837 χ^2/NDF: 38.9/39



Right In: 346.969+/-0.095 χ^2/NDF: 1058029.4/15

Left Out: 169.489+/-0.029 χ^2/NDF:1521465.9/22

Right Out: 369.410+/-0.099 χ^2/NDF: 918852.6/18

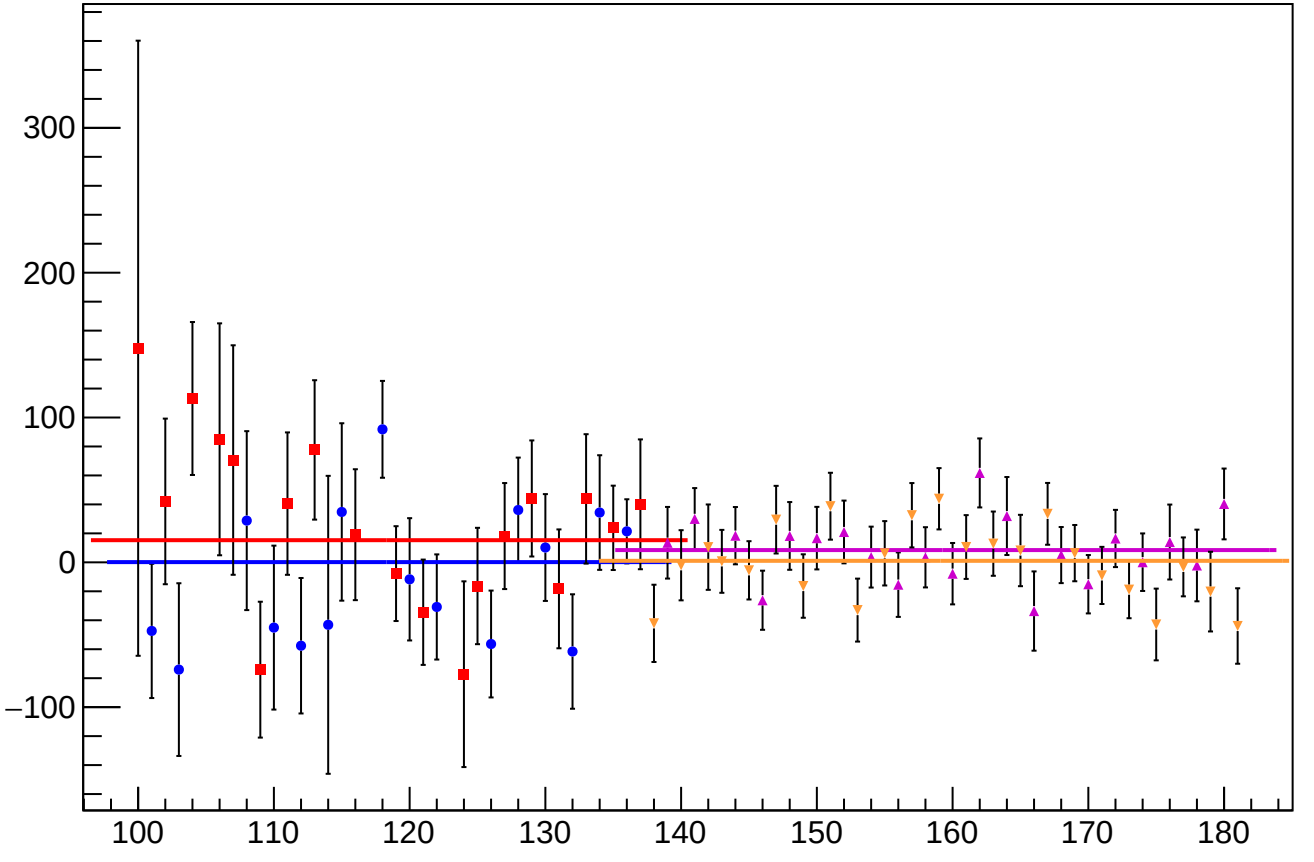
Left In: 168.528+/-0.029 χ^2/NDF:1392173.5/20

+ sign 184.226+/-0.027 χ^2/NDF: 5755243.8/38

All: 184.507+/-0.020 χ^2/NDF: 11852513.6/78

- sign 184.802+/-0.028 χ^2/NDF: 6097055.6/39

cor_asym_sam_1357_2468_dd_mean vs Slug



Right In: 0.157+/-10.048 χ^2/NDF: 21.3/15

Left Out: 1.045+/-4.682 χ^2/NDF:27.2/22

Right Out: 15.292+/-10.269 χ^2/NDF: 17.9/18

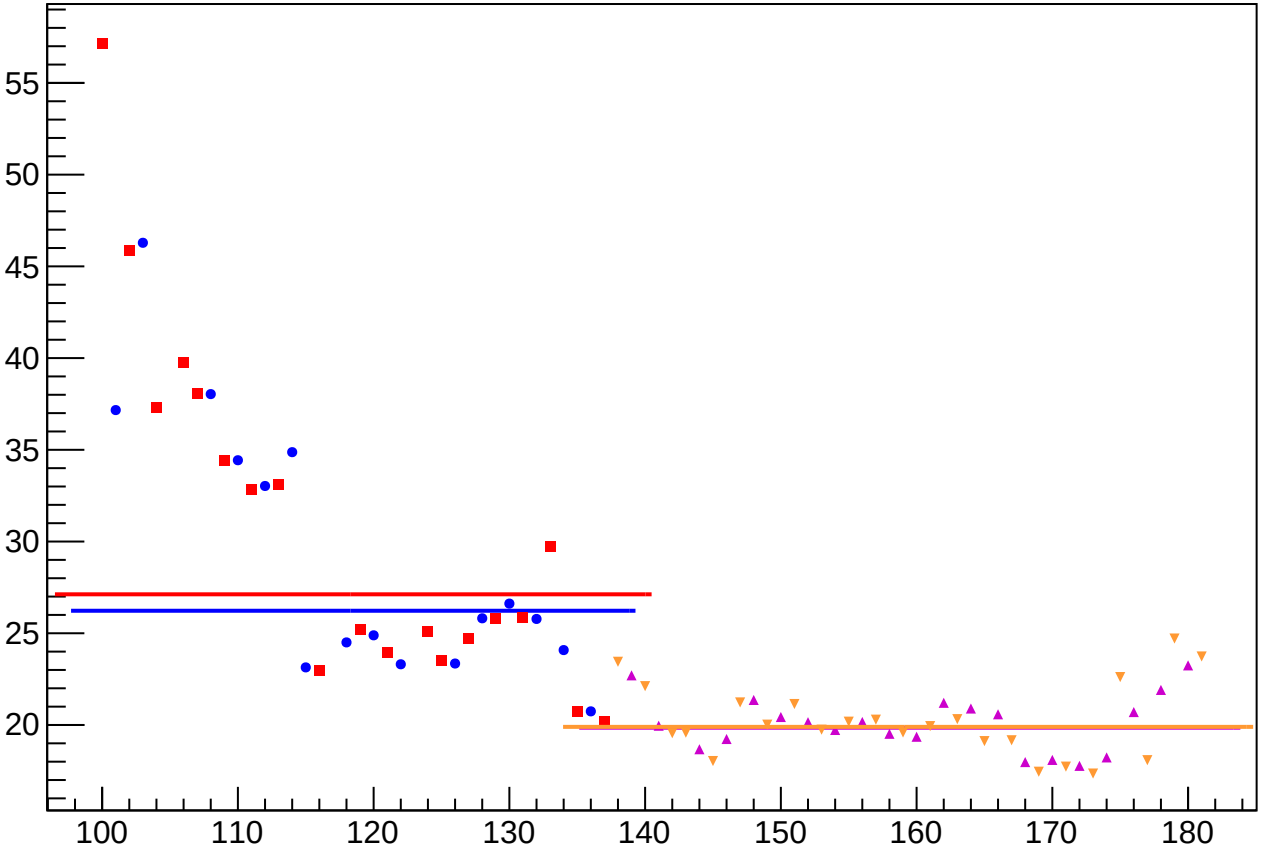
Left In: 8.461+/-4.810 χ^2/NDF:18.5/20

+ sign 0.887+/-4.244 χ^2/NDF: 48.6/38

All: 5.174+/-3.040 χ^2/NDF: 87.5/78

- sign 9.690+/-4.356 χ^2/NDF: 36.8/39

cor_asym_sam_1357_2468_dd_rms vs Slug



Right In: 26.227+/-0.007 χ^2/NDF: 676029.5/15

Left Out: 19.898+/-0.003 χ^2/NDF:322612.9/22

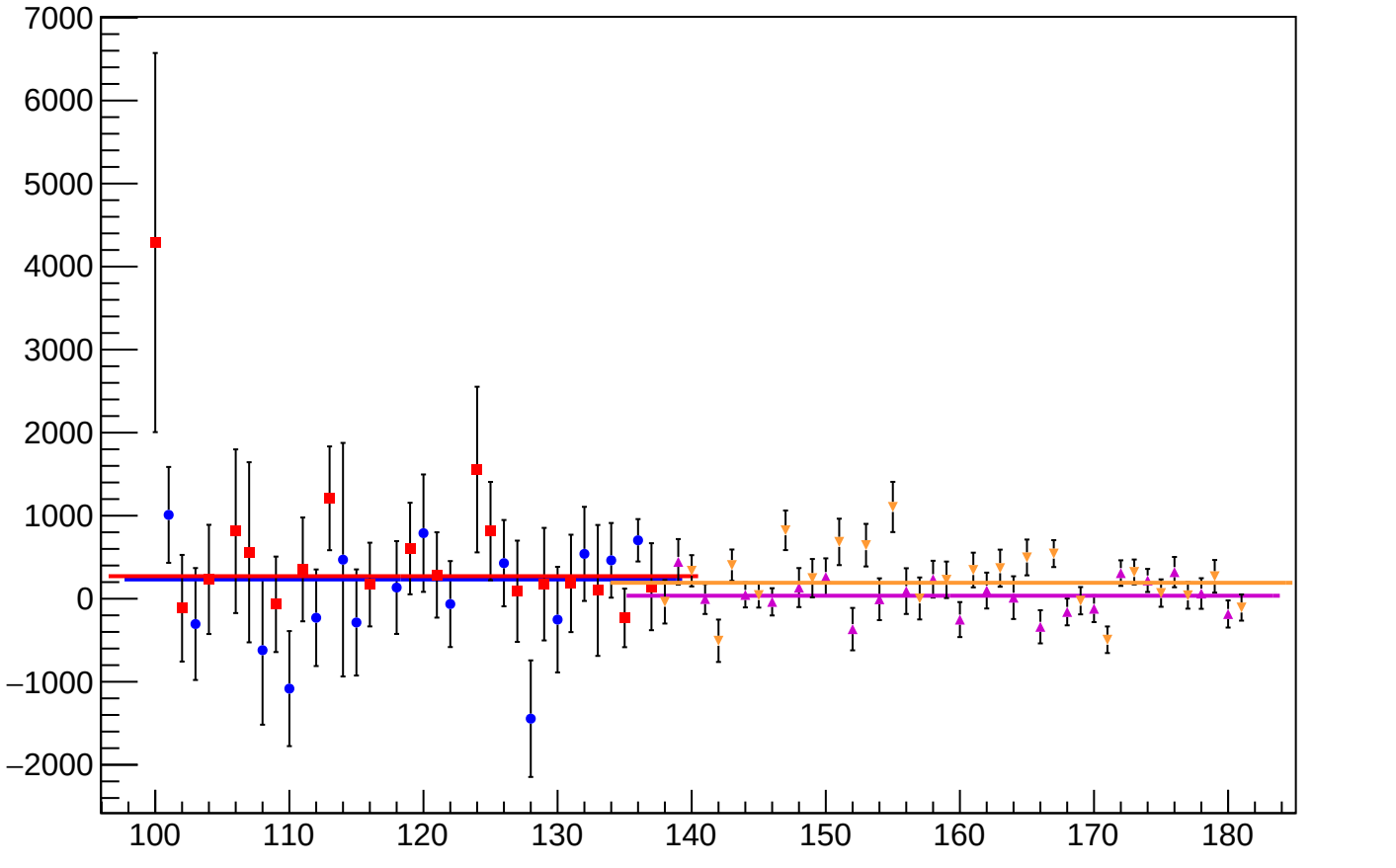
Right Out: 27.123+/-0.007 χ^2/NDF: 745675.5/18

Left In: 19.851+/-0.003 χ^2/NDF:182752.1/20

+ sign 21.027+/-0.003 χ^2/NDF: 1650643.6/38

All: 21.092+/-0.002 χ^2/NDF: 3402608.6/78

- sign 21.160+/-0.003 χ^2/NDF: 1751012.1/39



Right In: 232.084+/-134.871 χ^2/NDF: 19.6/15

Left Out: 192.120+/-40.585 χ^2/NDF:68.0/22

Right Out: 271.412+/-140.183 χ^2/NDF: 11.6/18

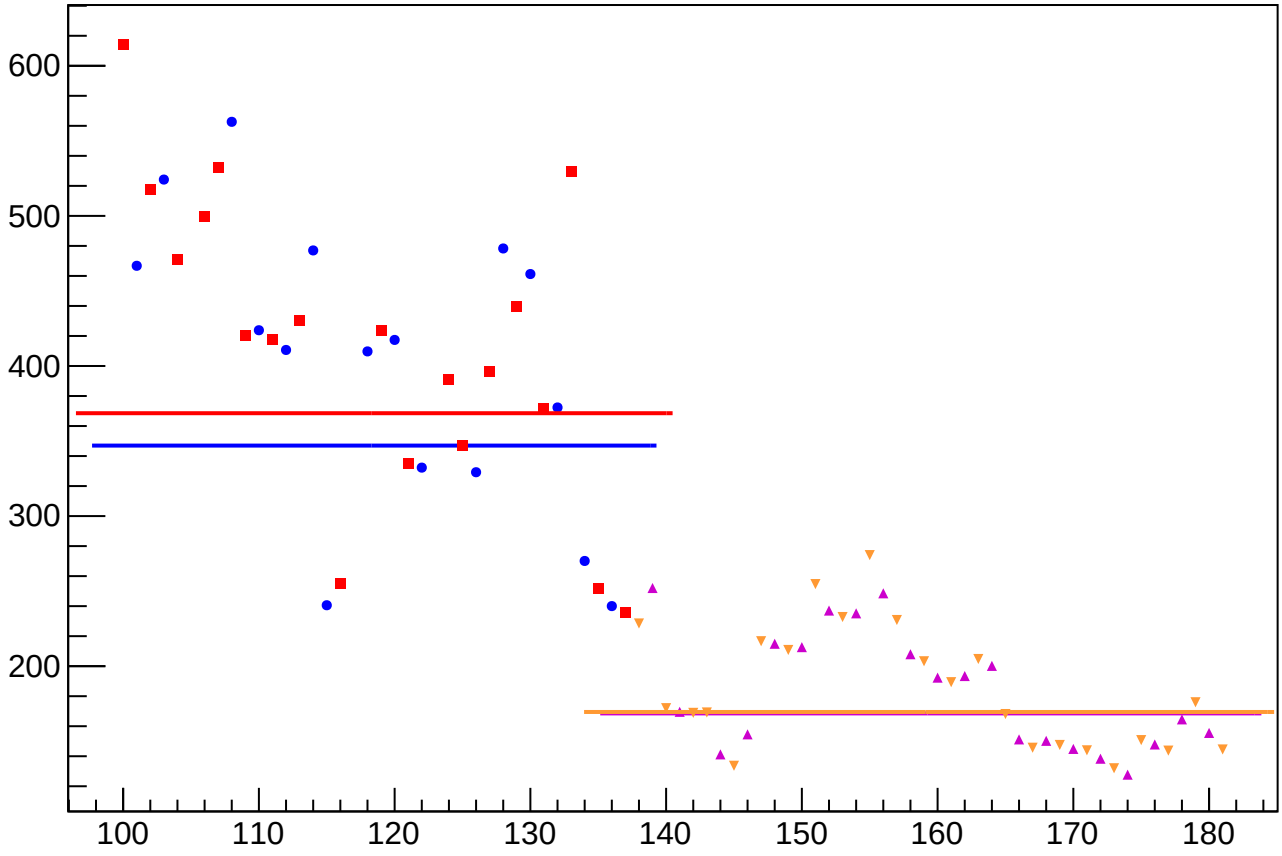
Left In: 35.995+/-41.556 χ^2/NDF:24.0/20

+ sign 195.439+/-38.863 χ^2/NDF: 87.7/38

All: 126.971+/-27.820 χ^2/NDF: 132.3/78

- sign 55.012+/-39.842 χ^2/NDF: 38.2/39

asym_sam_1357_2468_dd_cor_correction_rms vs Slug



Right In: 346.969+/-0.095 χ^2/NDF: 1058057.4/15

Left Out: 169.489+/-0.029 χ^2/NDF:1521466.2/22

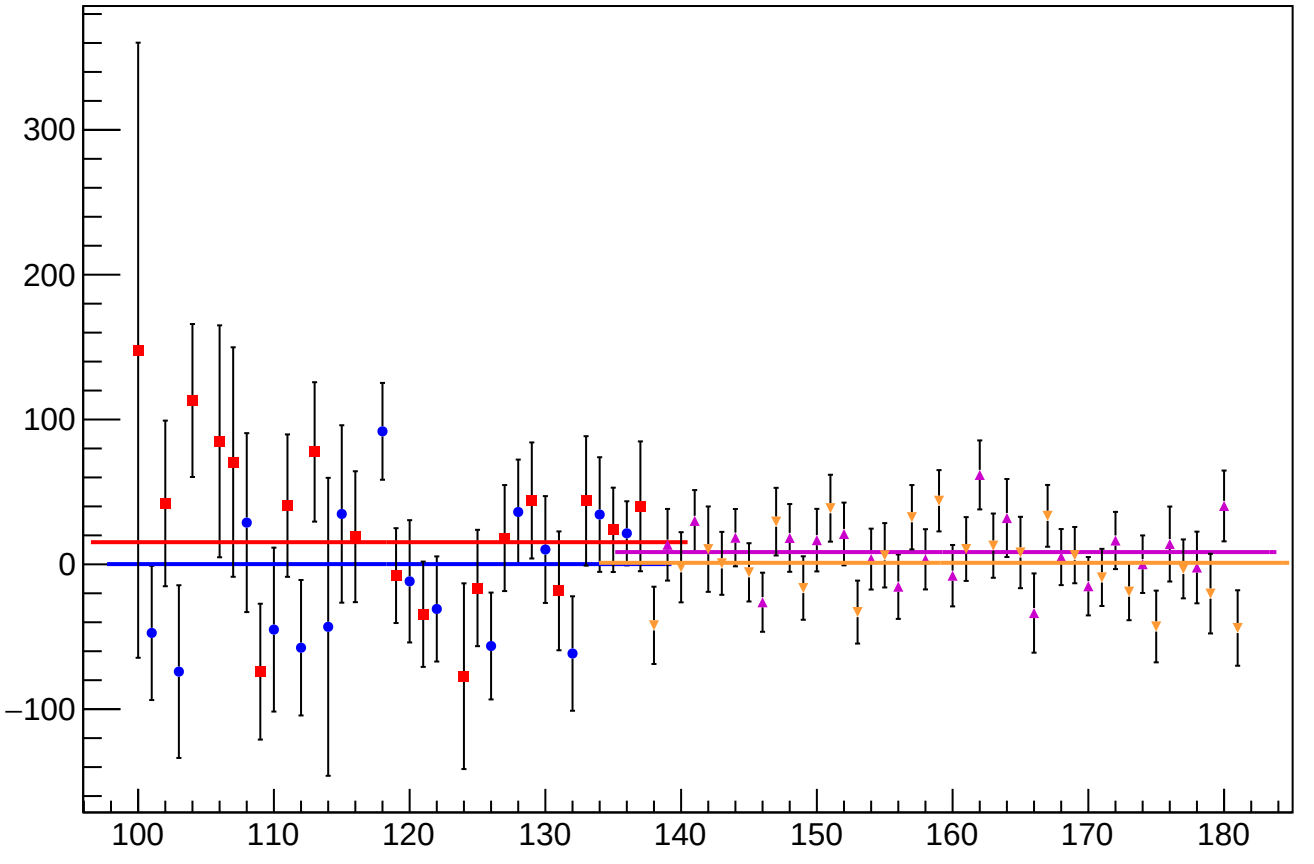
Right Out: 368.543+/-0.099 χ^2/NDF: 900219.6/18

Left In: 168.528+/-0.029 χ^2/NDF:1392169.4/20

+ sign 184.226+/-0.027 χ^2/NDF: 5755269.3/38

All: 184.450+/-0.020 χ^2/NDF: 11790508.6/78

- sign 184.685+/-0.028 χ^2/NDF: 6035102.8/39



Right In: 0.157+/-10.048 χ^2/NDF: 21.3/15

Left Out: 1.045+/-4.682 χ^2/NDF:27.2/22

Right Out: 15.292+/-10.269 χ^2/NDF: 17.9/18

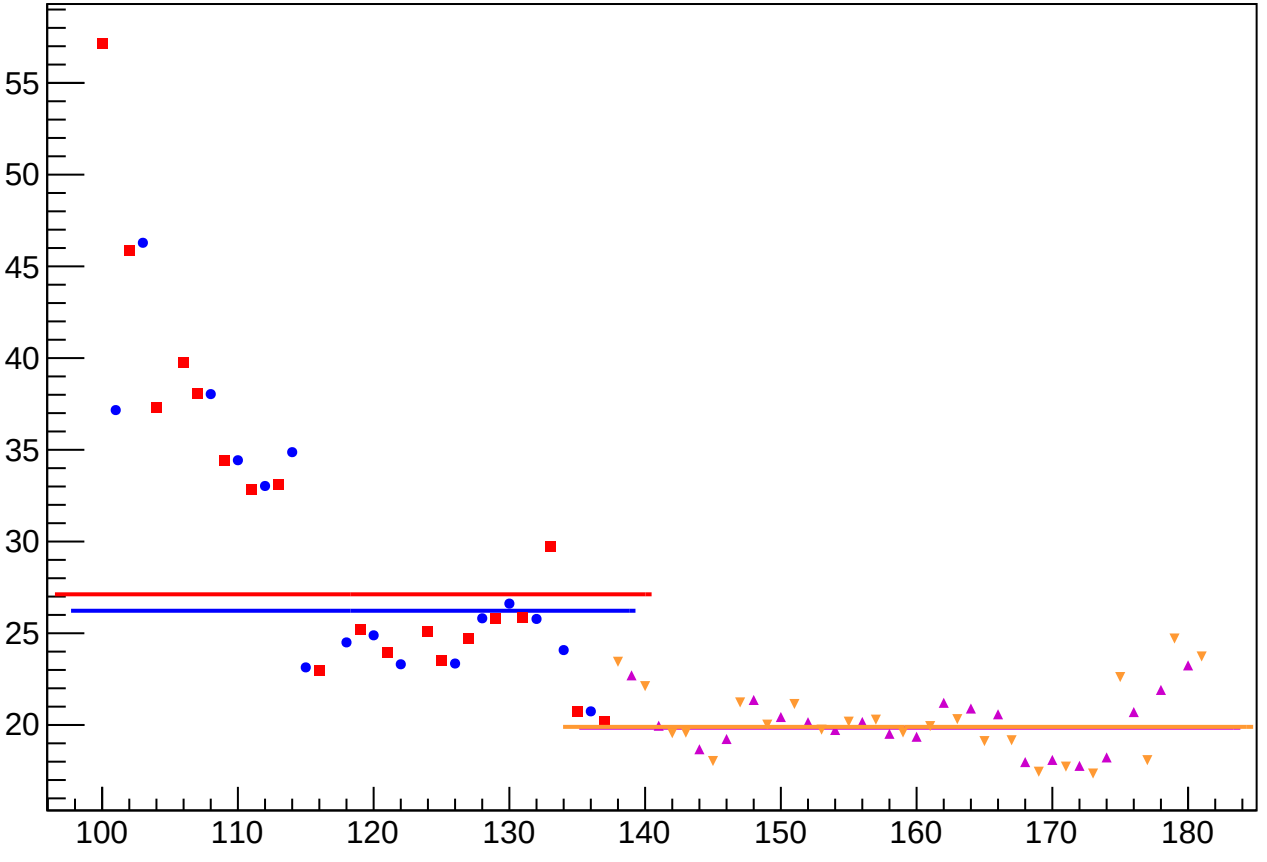
Left In: 8.461+/-4.810 χ^2/NDF:18.5/20

+ sign 0.887+/-4.244 χ^2/NDF: 48.6/38

All: 5.174+/-3.040 χ^2/NDF: 87.5/78

- sign 9.690+/-4.356 χ^2/NDF: 36.8/39

eigen_cor_asym_sam_1357_2468_dd_rms vs Slug



Right In: 26.227+/-0.007 χ^2/NDF: 676029.5/15

Left Out: 19.898+/-0.003 χ^2/NDF:322612.9/22

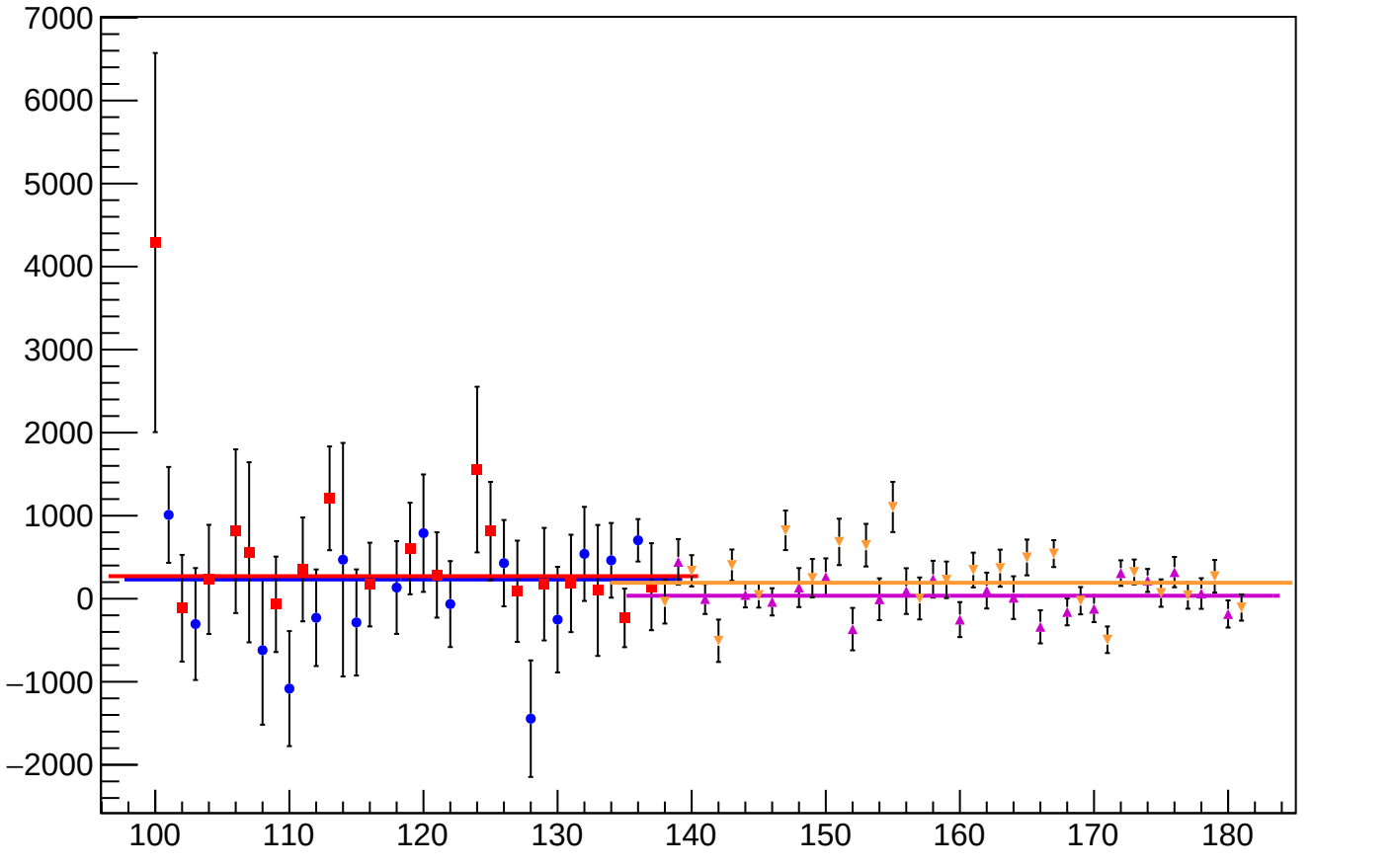
Right Out: 27.123+/-0.007 χ^2/NDF: 745675.5/18

Left In: 19.851+/-0.003 χ^2/NDF:182752.1/20

+ sign 21.027+/-0.003 χ^2/NDF: 1650643.6/38

All: 21.092+/-0.002 χ^2/NDF: 3402608.6/78

- sign 21.160+/-0.003 χ^2/NDF: 1751012.1/39



Right In: 232.084+/-134.871 χ^2/NDF: 19.6/15

Left Out: 192.120+/-40.585 χ^2/NDF:68.0/22

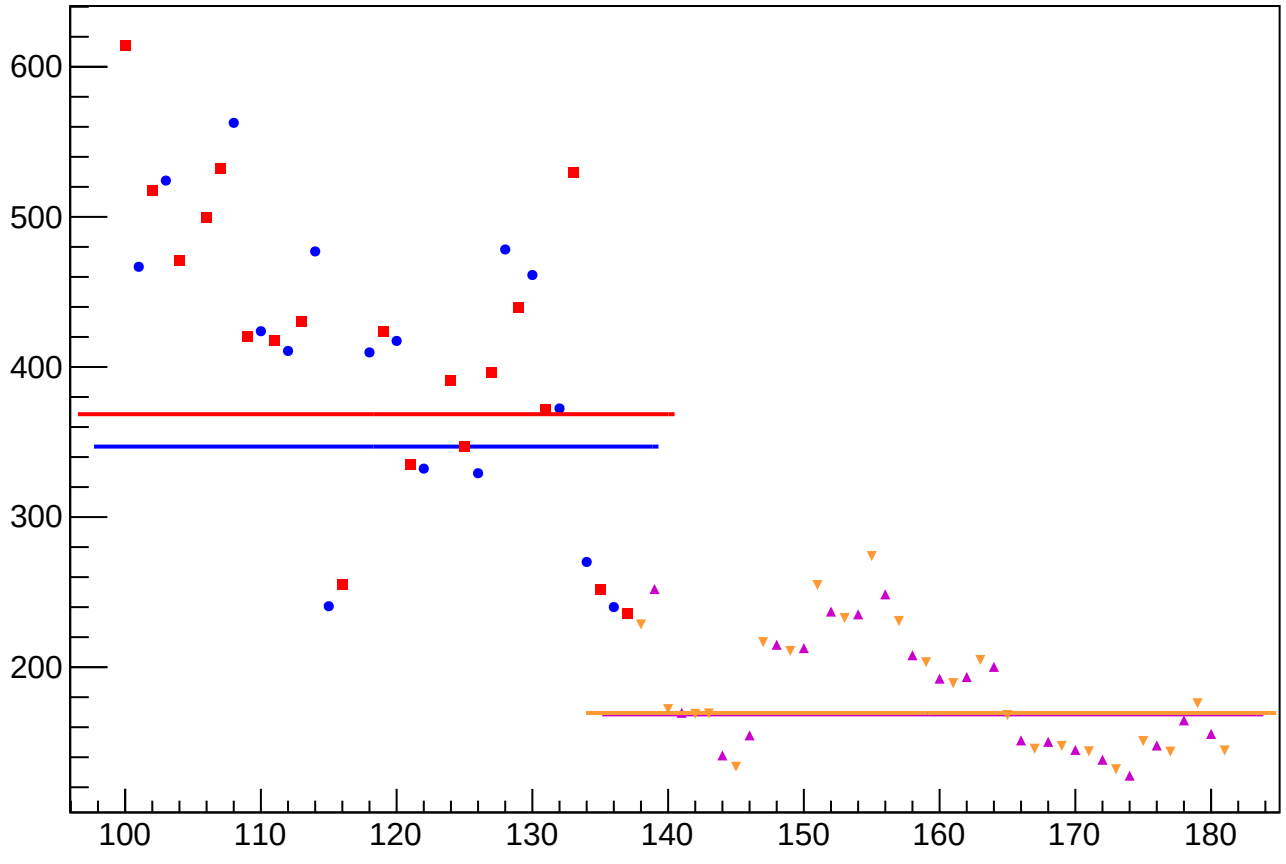
Right Out: 271.412+/-140.183 χ^2/NDF: 11.6/18

Left In: 35.995+/-41.556 χ^2/NDF:24.0/20

+ sign 195.439+/-38.863 χ^2/NDF: 87.7/38

All: 126.971+/-27.820 χ^2/NDF: 132.3/78

- sign 55.012+/-39.842 χ^2/NDF: 38.2/39



Right In: 346.969+/-0.095 χ^2/NDF: 1058057.4/15

Left Out: 169.489+/-0.029 χ^2/NDF:1521466.2/22

Right Out: 368.543+/-0.099 χ^2/NDF: 900219.6/18

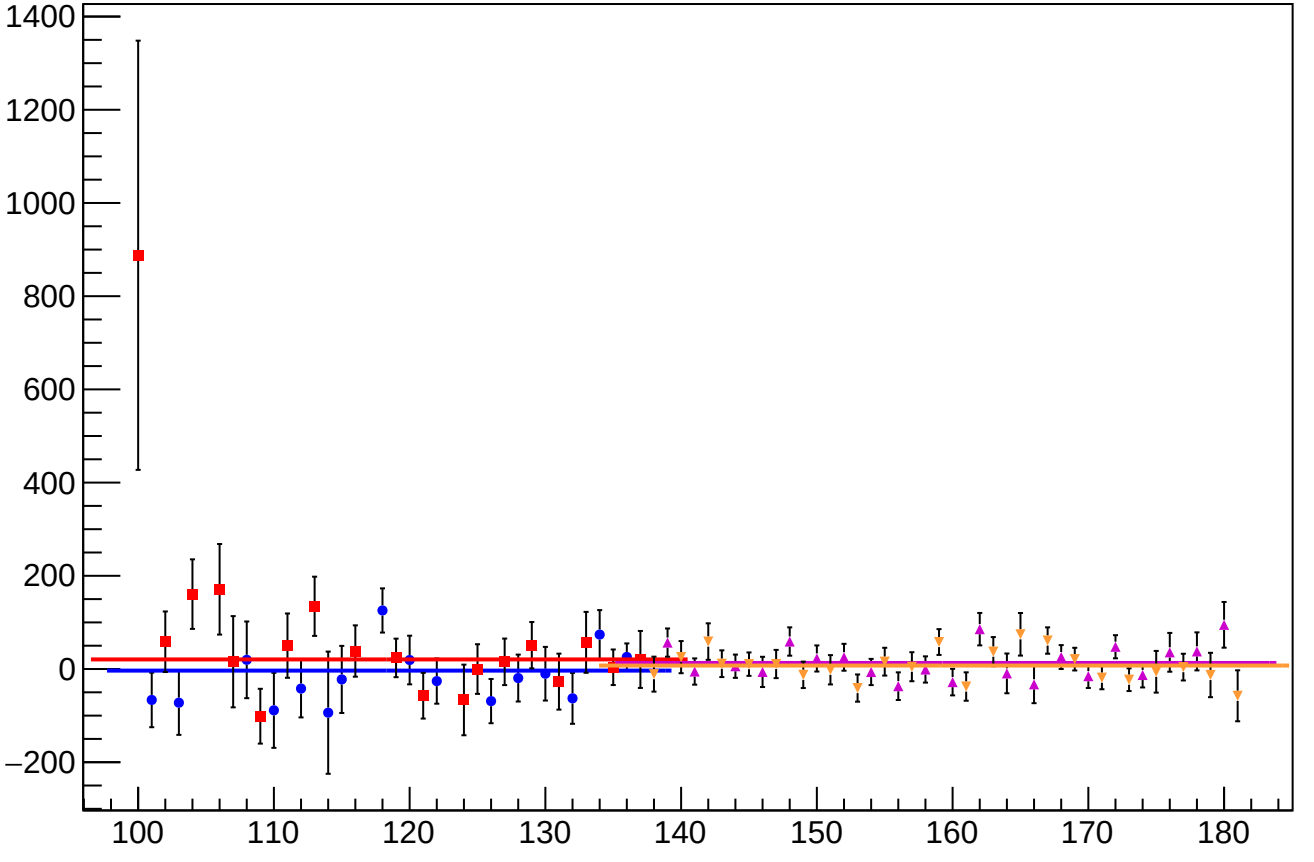
Left In: 168.528+/-0.029 χ^2/NDF:1392169.4/20

+ sign 184.226+/-0.027 χ^2/NDF: 5755269.3/38

All: 184.450+/-0.020 χ^2/NDF: 11790508.6/78

- sign 184.685+/-0.028 χ^2/NDF: 6035102.8/39

dit_asym_sam_1357_2468_dd_mean vs Slug



Right In: -3.423+/-13.393 χ^2/NDF: 18.5/15

Left Out: 7.446+/-6.414 χ^2/NDF:22.5/22

Right Out: 20.569+/-13.475 χ^2/NDF: 23.1/18

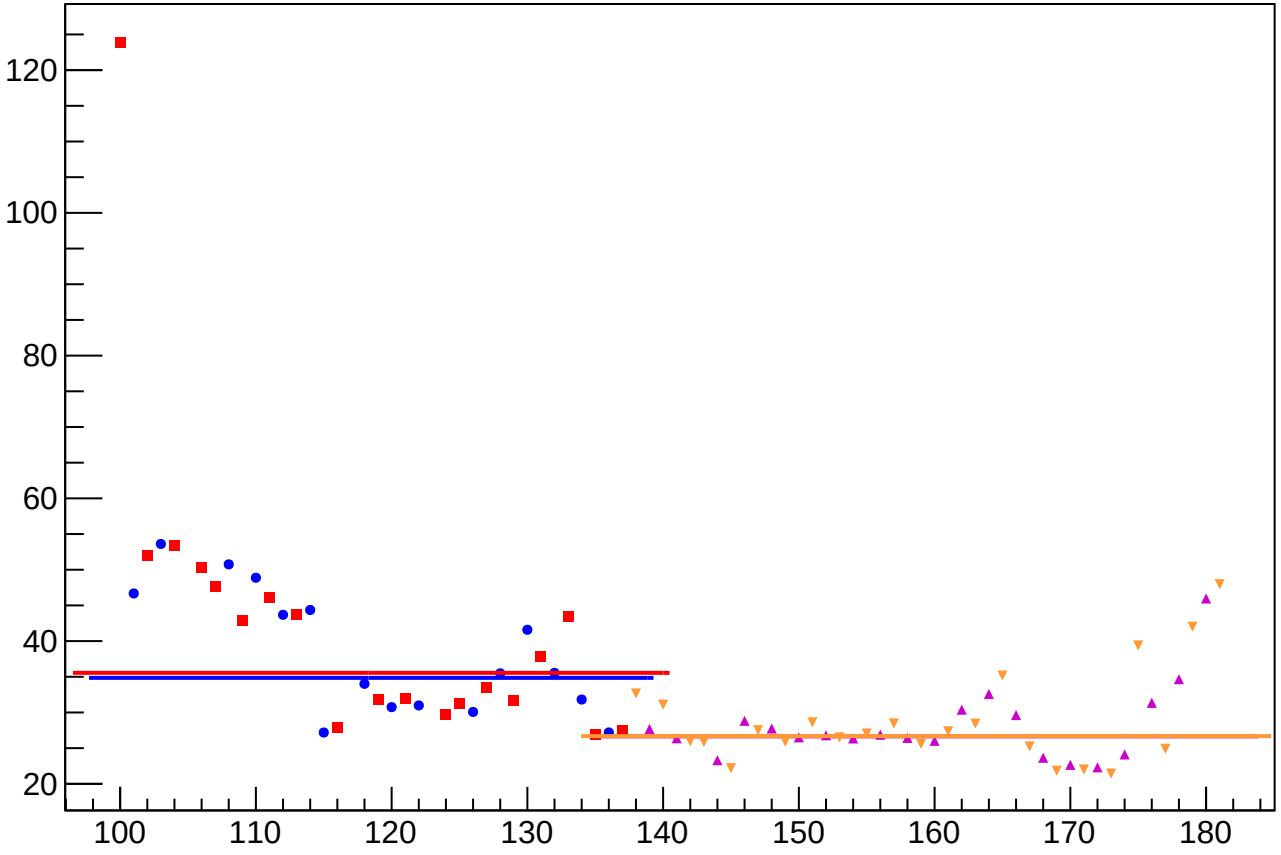
Left In: 12.974+/-6.588 χ^2/NDF:24.9/20

+ sign 5.419+/-5.785 χ^2/NDF: 41.6/38

All: 9.826+/-4.137 χ^2/NDF: 91.0/78

- sign 14.439+/-5.919 χ^2/NDF: 48.3/39

dit_asym_sam_1357_2468_dd_rms vs Slug



Right In: 34.850+/-0.009 χ^2/NDF: 658141.6/15

Left Out: 26.686+/-0.005 χ^2/NDF:1174724.5/22

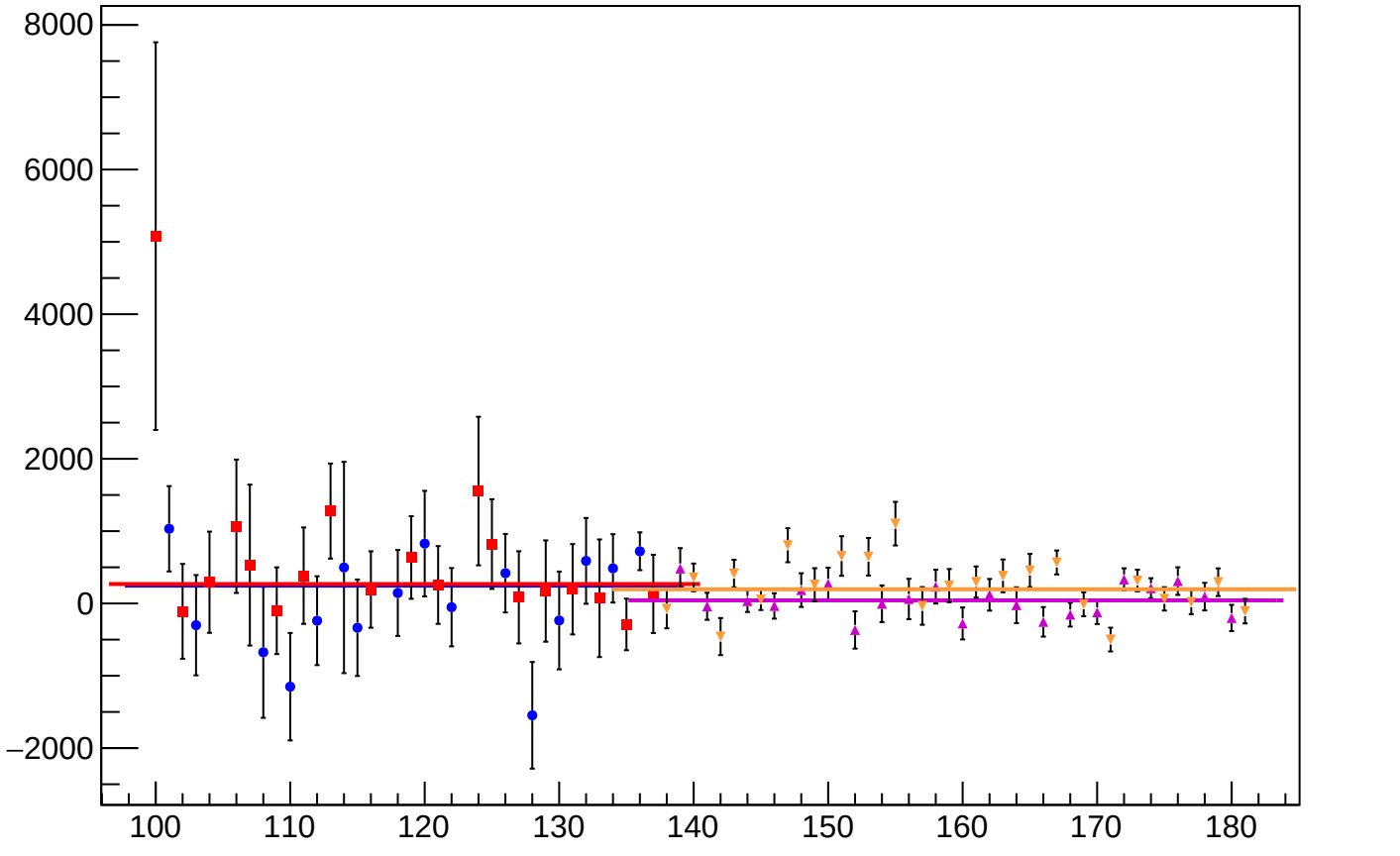
Right Out: 35.553+/-0.010 χ^2/NDF: 779880.3/18

Left In: 26.651+/-0.005 χ^2/NDF:693369.7/20

+ sign 28.210+/-0.004 χ^2/NDF: 2437420.3/38

All: 28.287+/-0.003 χ^2/NDF: 4615933.8/78

- sign 28.368+/-0.004 χ^2/NDF: 2177778.5/39



Right In: 246.507+/-140.275 χ^2/NDF: 19.8/15

Left Out: 195.923+/-41.150 χ^2/NDF:65.4/22

Right Out: 268.913+/-145.295 χ^2/NDF: 12.6/18

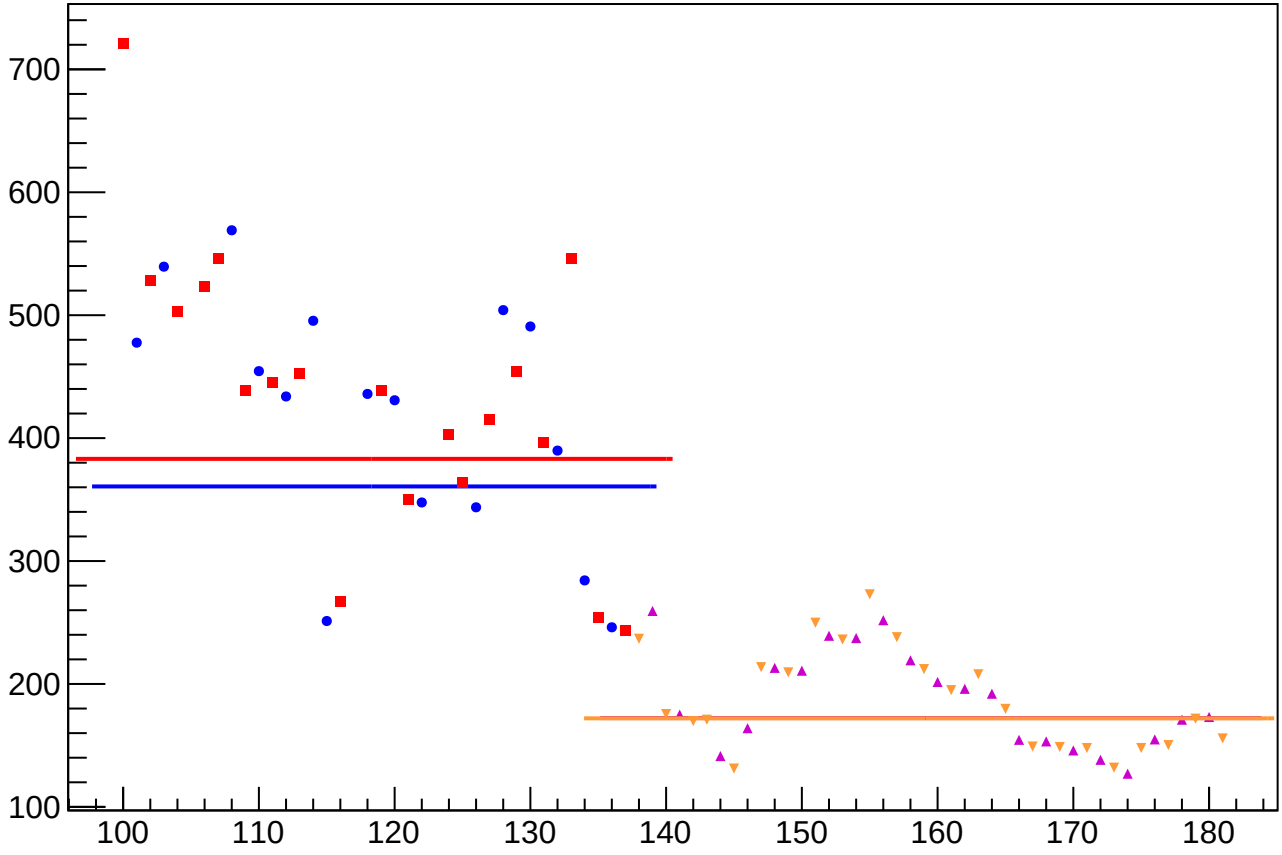
Left In: 42.993+/-42.491 χ^2/NDF:23.2/20

+ sign 199.932+/-39.486 χ^2/NDF: 85.3/38

All: 132.610+/-28.368 χ^2/NDF: 129.4/78

- sign 60.792+/-40.783 χ^2/NDF: 38.0/39

asym_sam_1357_2468_dd_dit_correction_rms vs Slug



Right In: 360.692+/-0.099 χ^2/NDF: 1092760.6/15

Left Out: 172.041+/-0.029 χ^2/NDF:1519468.2/22

Right Out: 383.132+/-0.103 χ^2/NDF: 963125.0/18

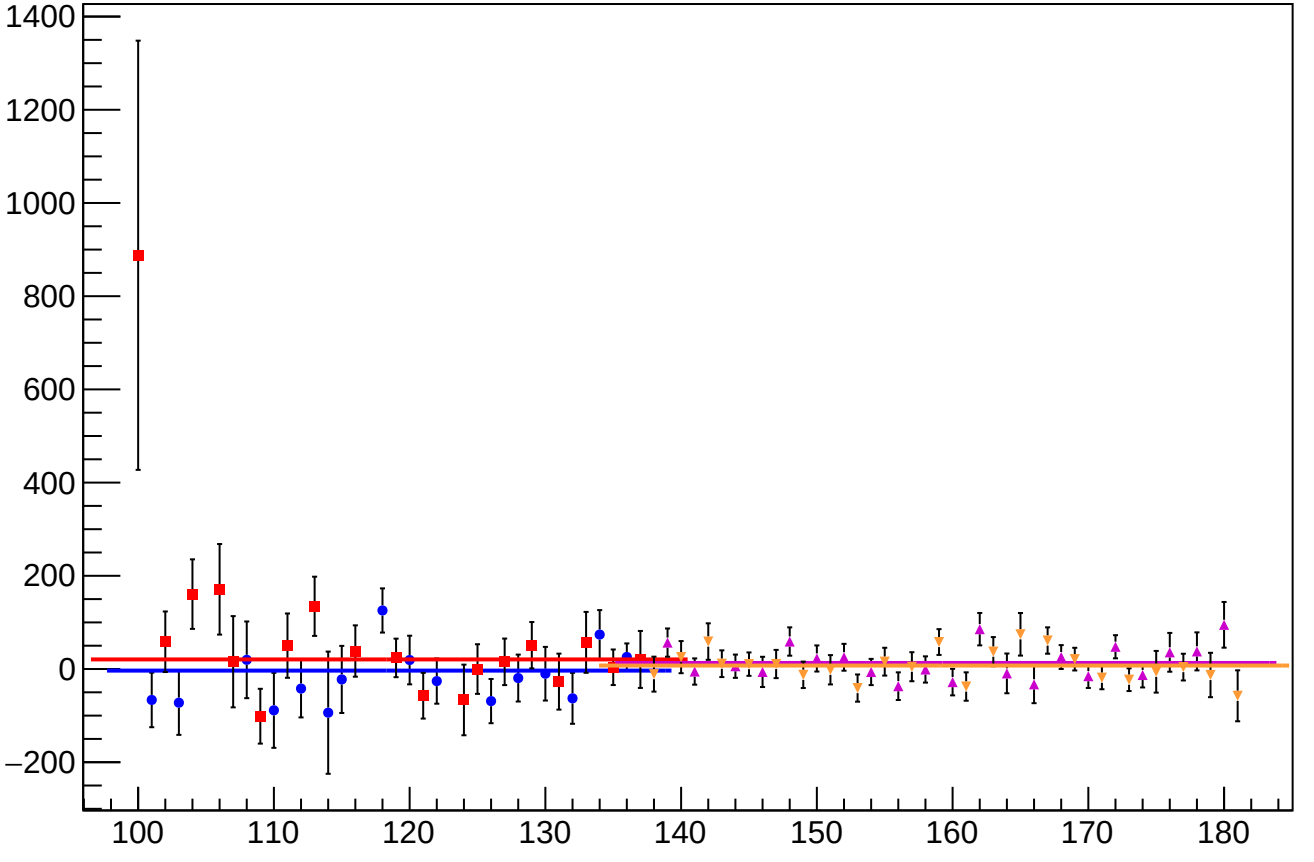
Left In: 172.253+/-0.030 χ^2/NDF:1406477.4/20

+ sign 186.989+/-0.028 χ^2/NDF: 5942962.1/38

All: 187.898+/-0.020 χ^2/NDF: 12195840.6/78

- sign 188.867+/-0.029 χ^2/NDF: 6250688.5/39

eigen_dit_asym_sam_1357_2468_dd_mean vs Slug



Right In: -3.425+/-13.392 χ^2/NDF: 18.5/15

Left Out: 7.446+/-6.414 χ^2/NDF:22.5/22

Right Out: 20.569+/-13.475 χ^2/NDF: 23.1/18

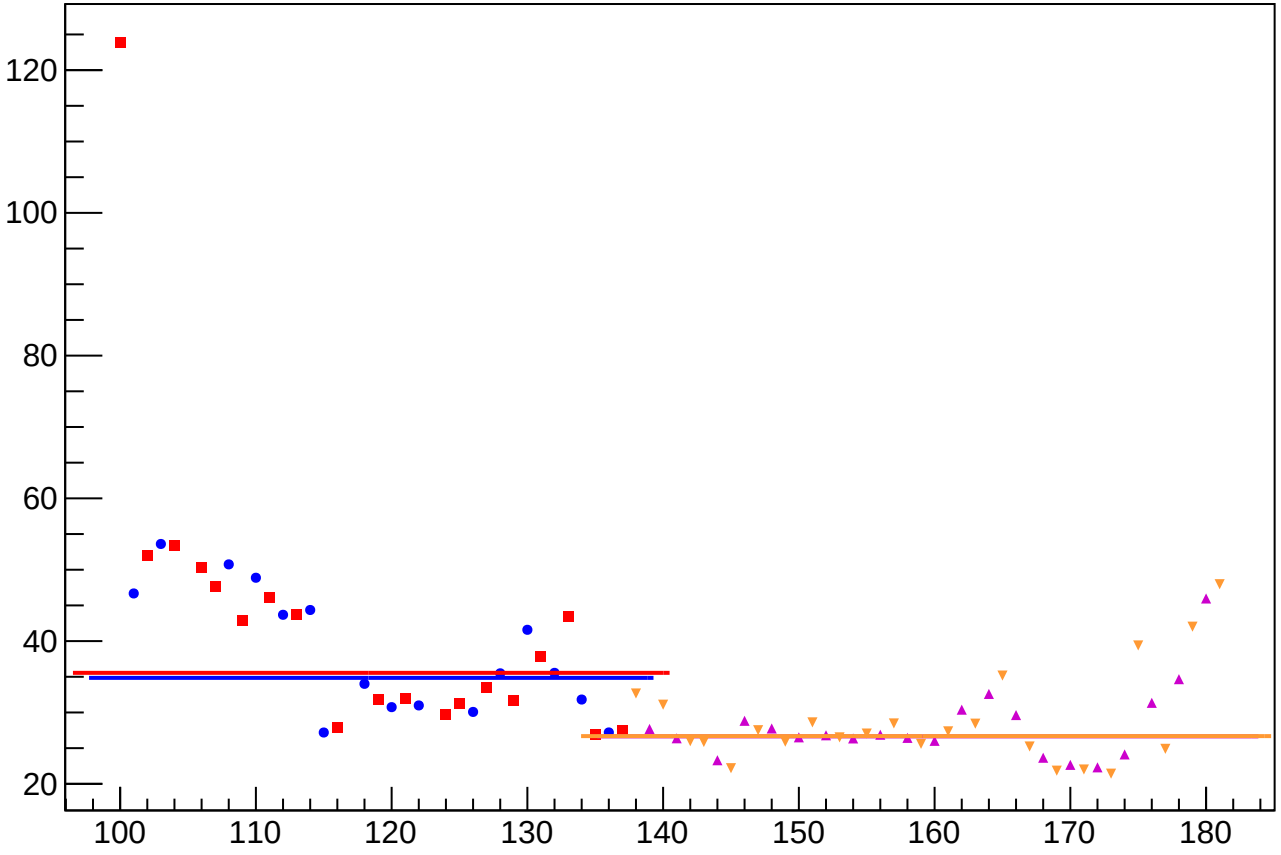
Left In: 12.974+/-6.588 χ^2/NDF:24.9/20

+ sign 5.418+/-5.785 χ^2/NDF: 41.6/38

All: 9.826+/-4.137 χ^2/NDF: 91.0/78

- sign 14.439+/-5.919 χ^2/NDF: 48.3/39

eigen_dit_asym_sam_1357_2468_dd_rms vs Slug



Right In: 34.850+/-0.009 χ^2/NDF: 658089.6/15

Left Out: 26.687+/-0.005 χ^2/NDF:1174735.4/22

Right Out: 35.552+/-0.010 χ^2/NDF: 779849.4/18

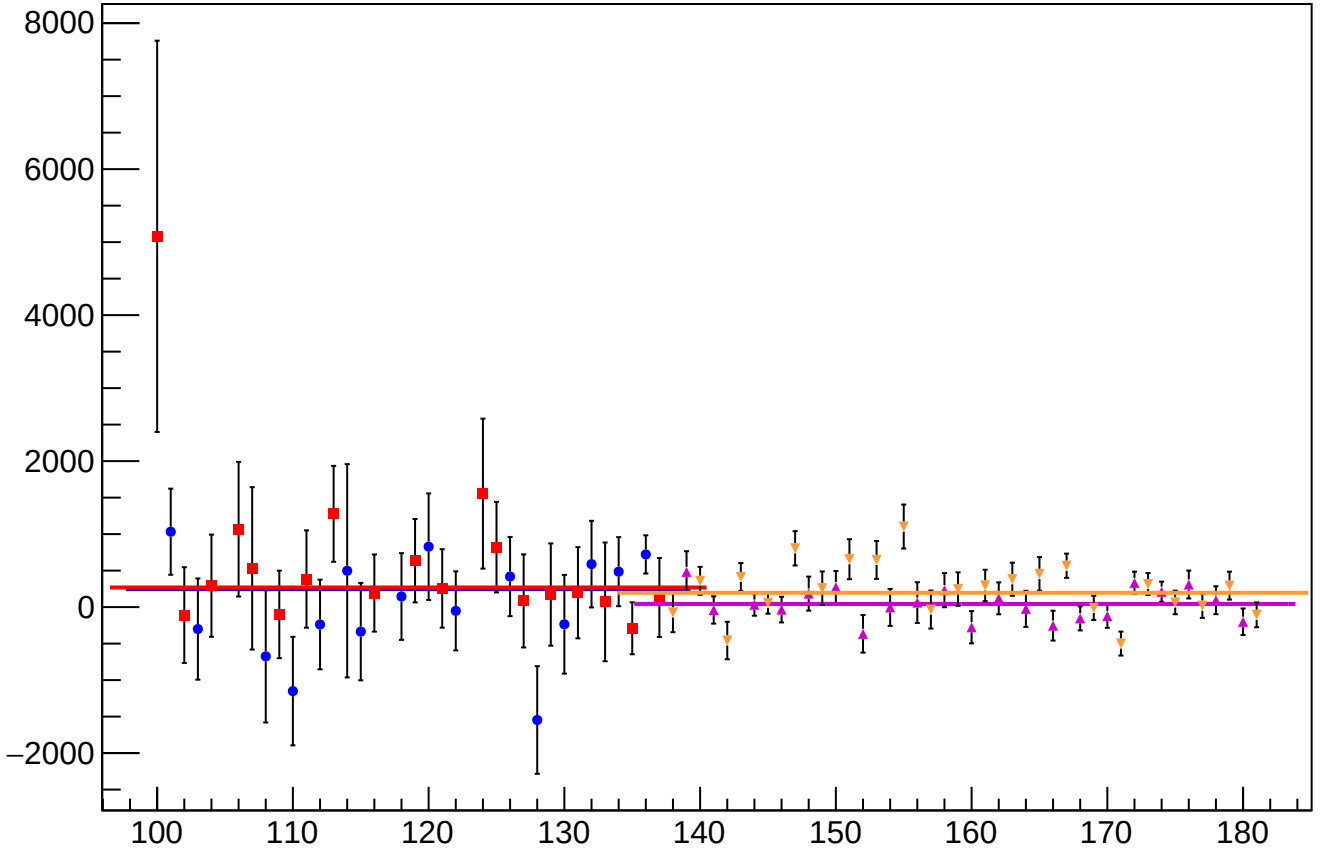
Left In: 26.651+/-0.005 χ^2/NDF:693346.9/20

+ sign 28.210+/-0.004 χ^2/NDF: 2437306.8/38

All: 28.287+/-0.003 χ^2/NDF: 4615706.7/78

- sign 28.368+/-0.004 χ^2/NDF: 2177665.0/39

asym_sam_1357_2468_dd_eigen_dit_correction_mean vs Slug



Right In: 246.505+/-140.274 χ^2/NDF: 19.8/15

Left Out: 195.923+/-41.150 χ^2/NDF:65.4/22

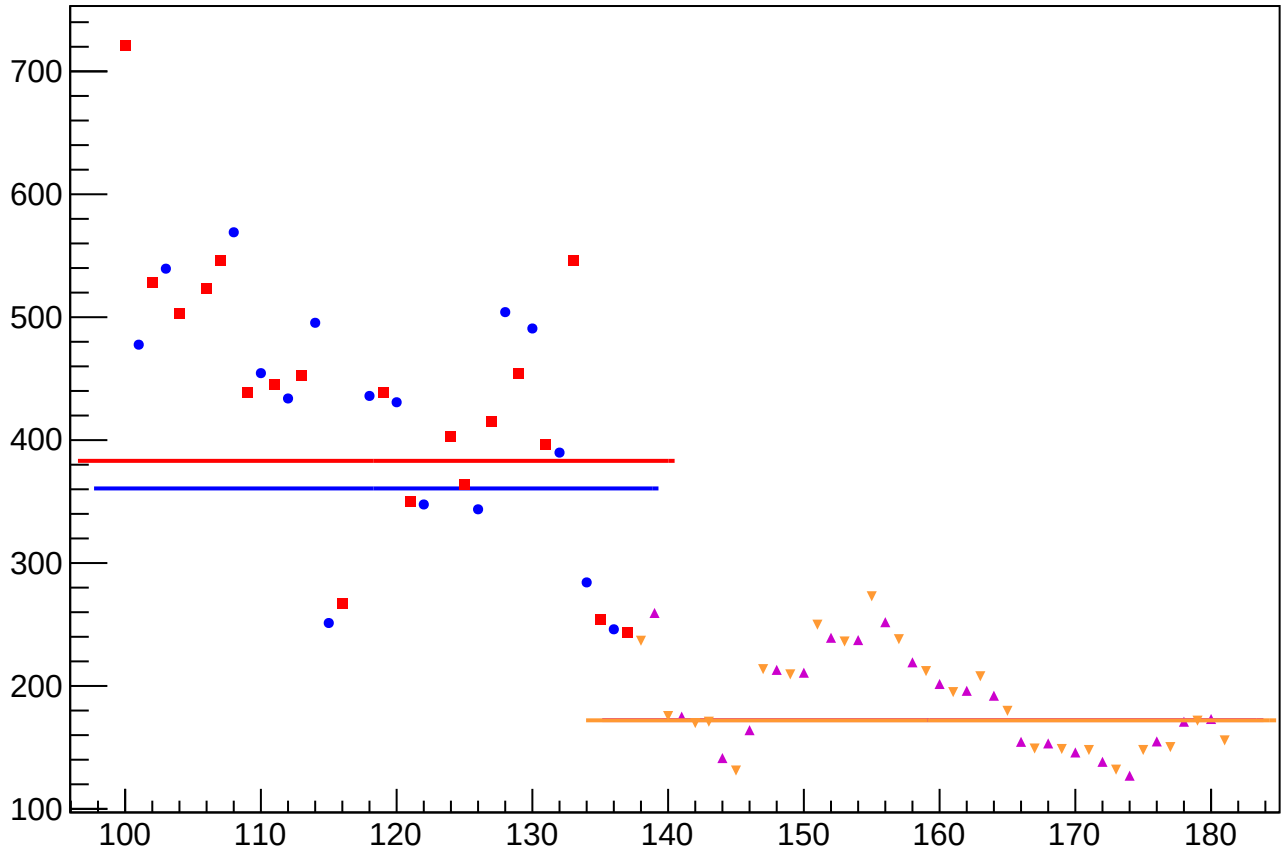
Right Out: 268.913+/-145.295 χ^2/NDF: 12.6/18

Left In: 42.992+/-42.491 χ^2/NDF:23.2/20

+ sign 199.931+/-39.486 χ^2/NDF: 85.3/38

All: 132.609+/-28.368 χ^2/NDF: 129.4/78

- sign 60.792+/-40.783 χ^2/NDF: 38.0/39



Right In: 360.691+/-0.099 χ^2/NDF: 1092752.5/15

Left Out: 172.040+/-0.029 χ^2/NDF:1519485.6/22

Right Out: 383.131+/-0.103 χ^2/NDF: 963120.8/18

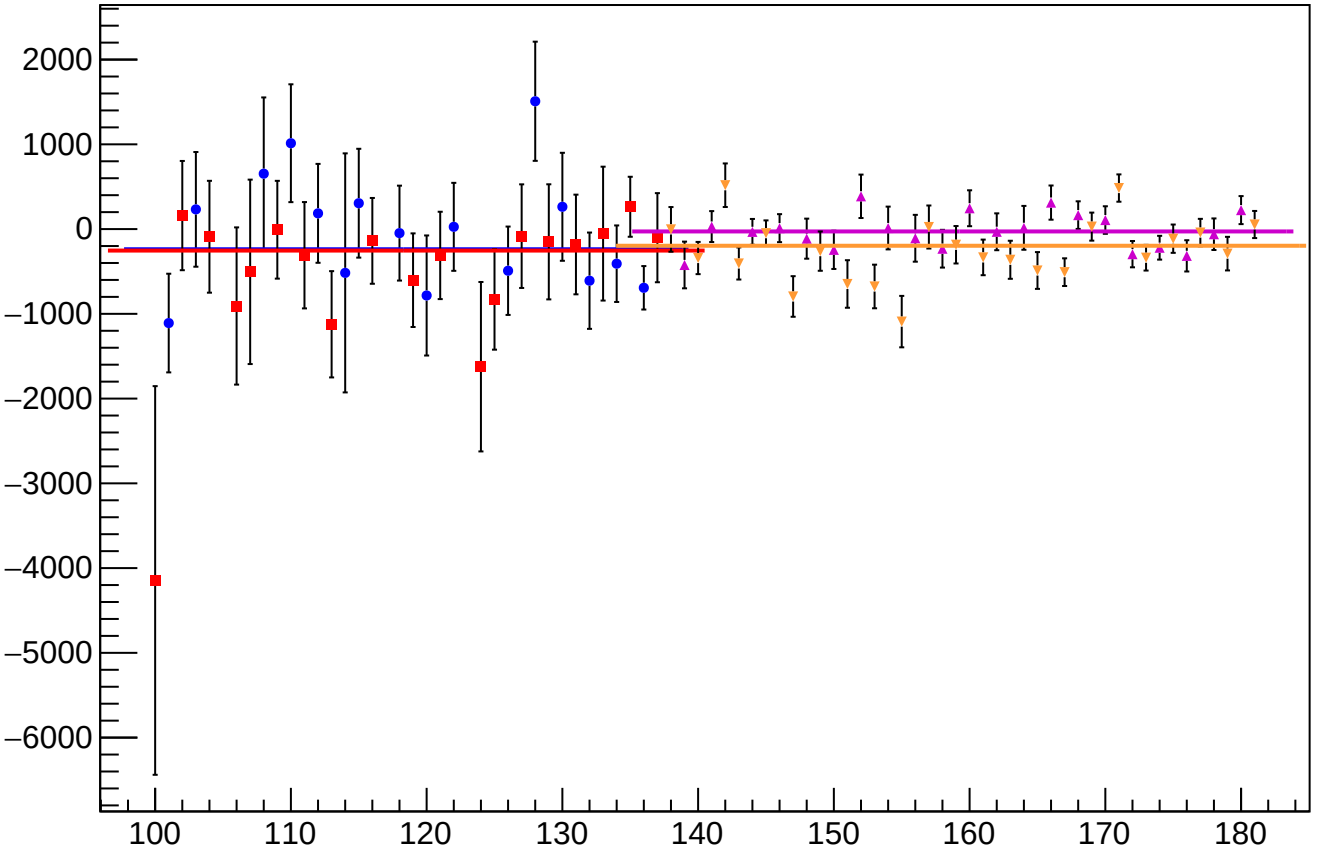
Left In: 172.252+/-0.030 χ^2/NDF:1406491.4/20

+ sign 186.988+/-0.028 χ^2/NDF: 5942979.3/38

All: 187.897+/-0.020 χ^2/NDF: 12195880.2/78

- sign 188.867+/-0.029 χ^2/NDF: 6250711.2/39

asym_sam_1357_2468_dd_mean vs Slug



Right In: -238.043+/-135.349 χ^2/NDF: 19.9/15

Left Out: -196.705+/-40.899 χ^2/NDF:63.7/22

Right Out: -253.445+/-140.414 χ^2/NDF: 11.7/18

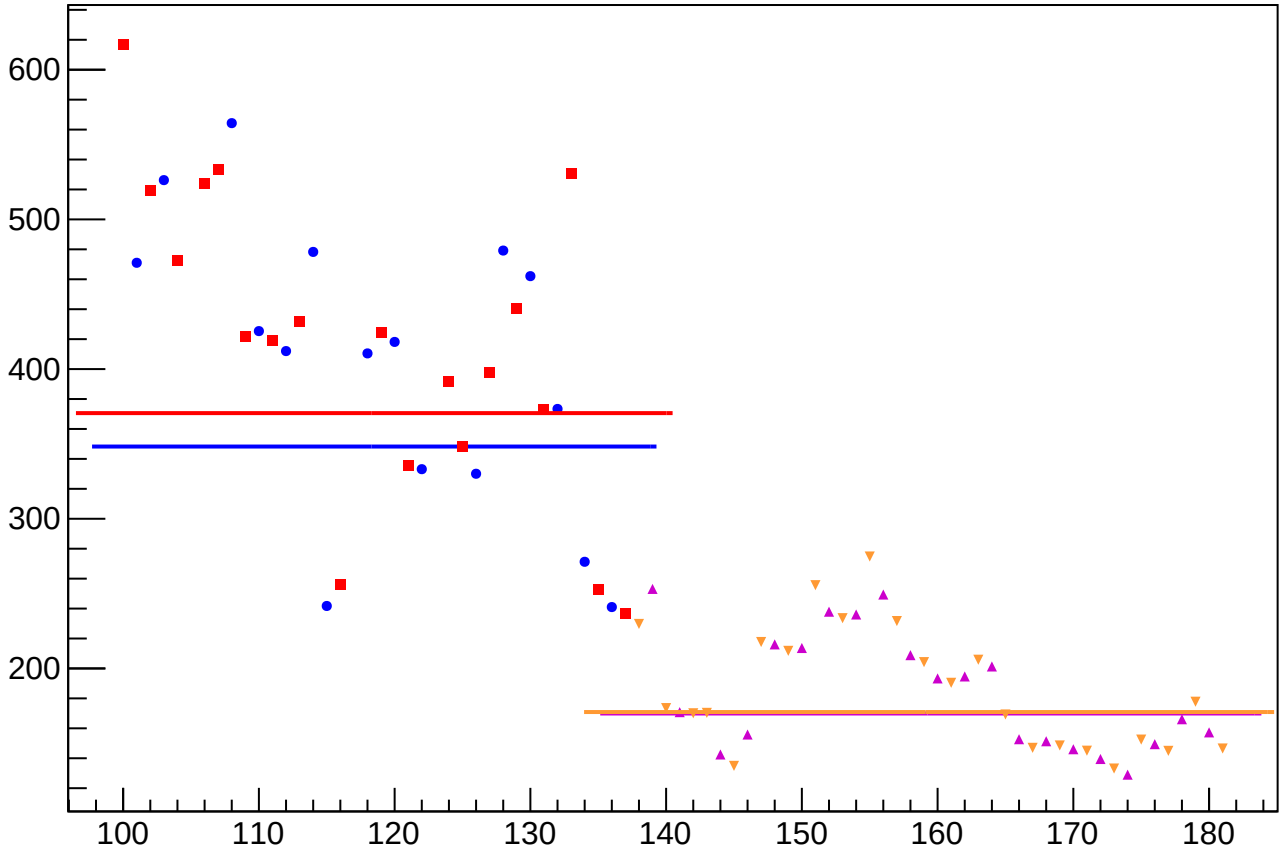
Left In: -27.809+/-41.876 χ^2/NDF:23.1/20

+ sign -200.163+/-39.151 χ^2/NDF: 83.7/38

All: -125.101+/-28.024 χ^2/NDF: 128.4/78

- sign -46.239+/-40.130 χ^2/NDF: 37.2/39

asym_sam_1357_2468_dd_rms vs Slug



Right In: 348.253+/-0.096 χ^2/NDF: 1056820.3/15

Left Out: 170.880+/-0.029 χ^2/NDF:1492839.7/22

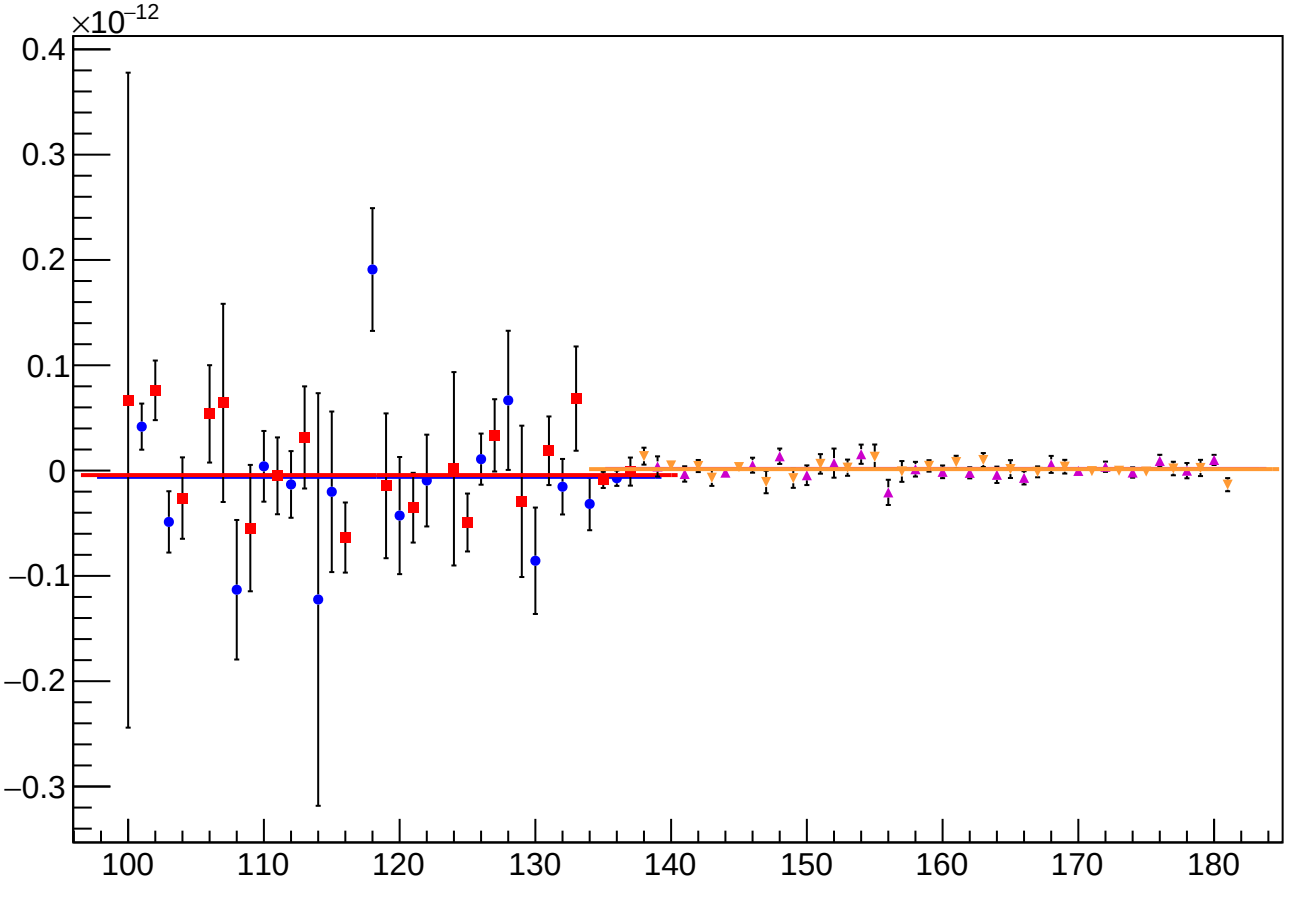
Right Out: 370.585+/-0.099 χ^2/NDF: 917913.5/18

Left In: 169.901+/-0.030 χ^2/NDF:1365171.9/20

+ sign 185.721+/-0.028 χ^2/NDF: 5697007.5/38

All: 186.000+/-0.020 χ^2/NDF: 11732031.2/78

- sign 186.293+/-0.028 χ^2/NDF: 6034815.8/39



Right In: -0.000+/-0.000 χ^2/NDF: 27.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.4/22

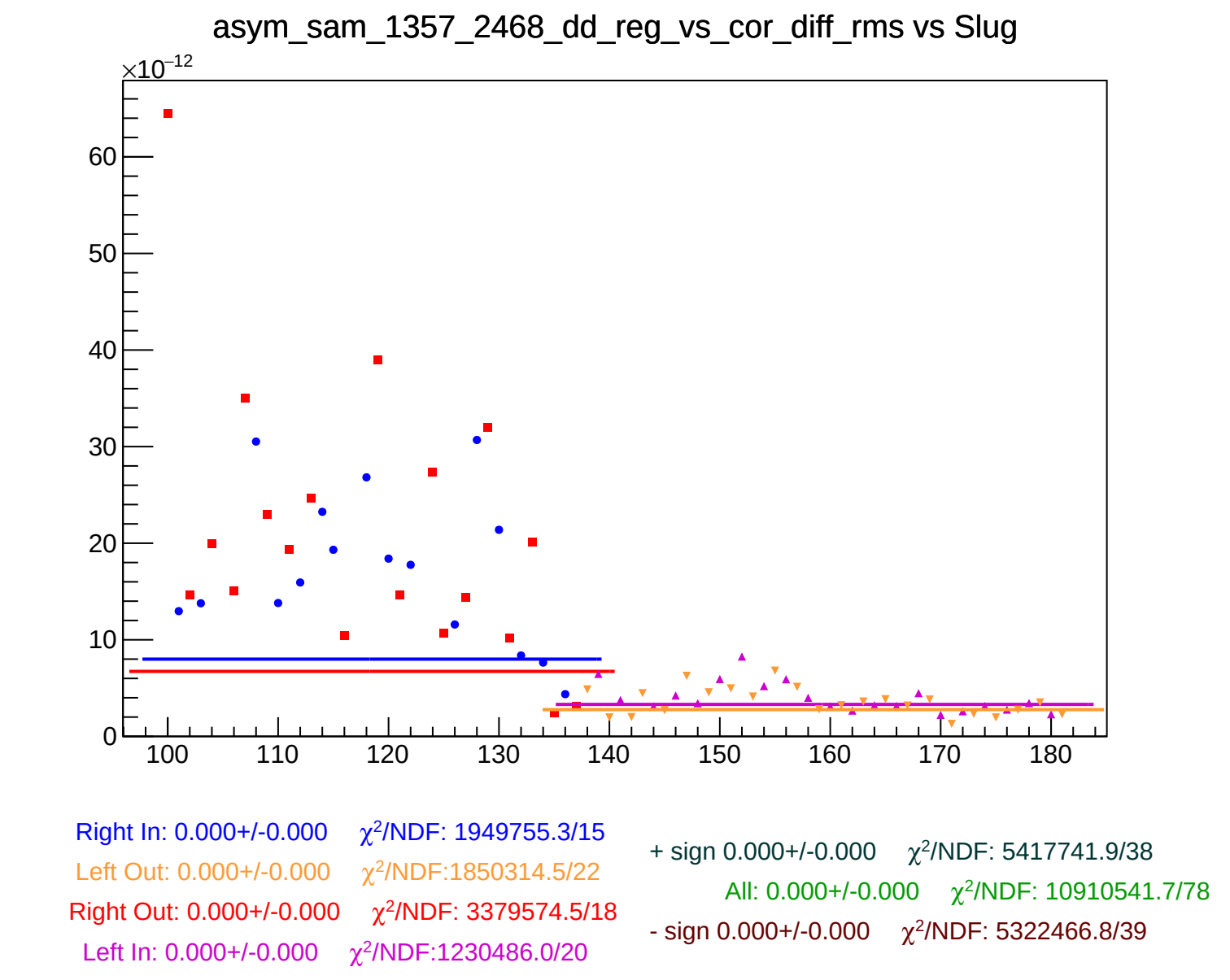
Right Out: -0.000+/-0.000 χ^2/NDF: 23.0/18

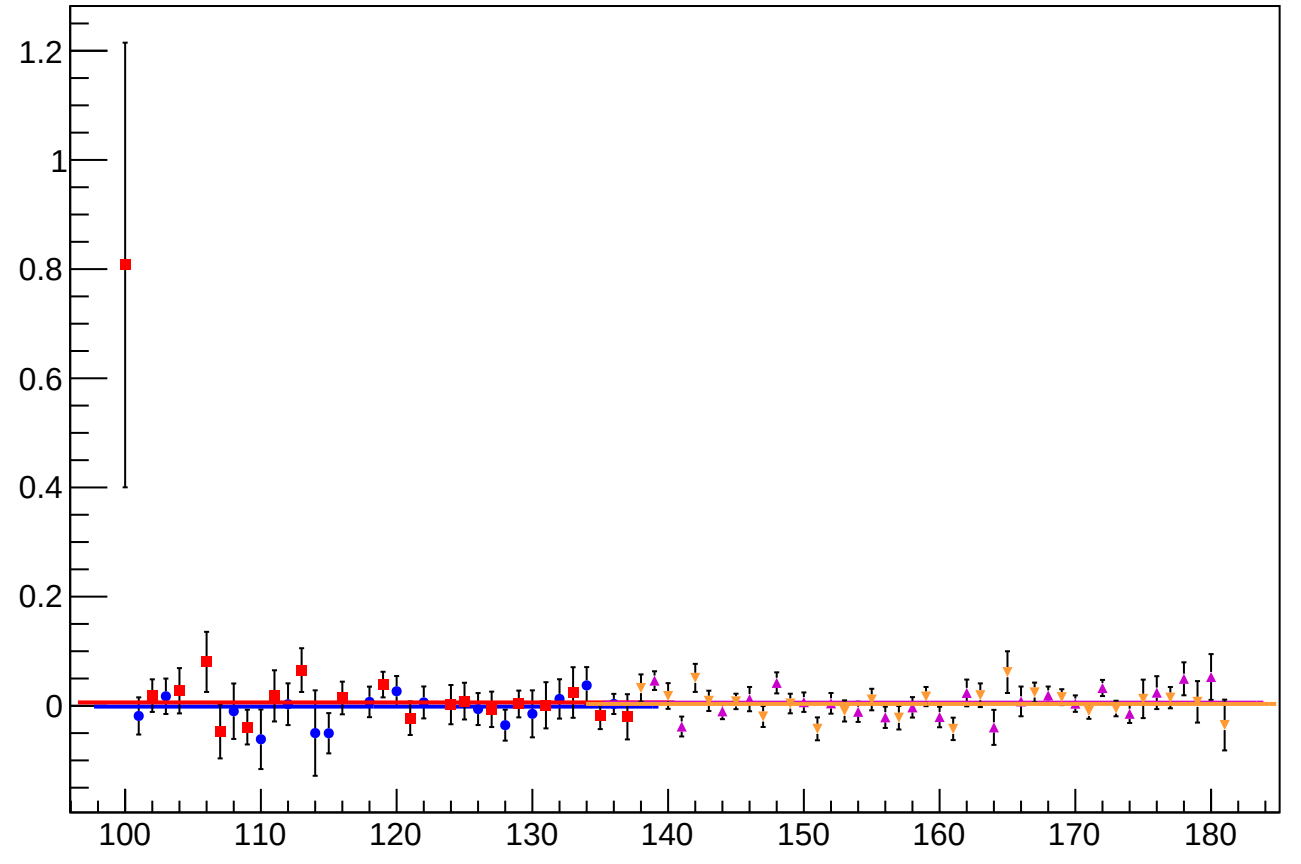
Left In: 0.000+/-0.000 χ^2/NDF:19.4/20

+ sign 0.000+/-0.000 χ^2/NDF: 47.3/38

All: 0.000+/-0.000 χ^2/NDF: 90.8/78

- sign 0.000+/-0.000 χ^2/NDF: 43.4/39


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:1850314.5/22
Right Out: 0.000+/-0.000 χ²/NDF: 3379574.5/18
Left In: 0.000+/-0.000 χ²/NDF:1230486.0/20
+ sign 0.000+/-0.000 χ²/NDF: 5417741.9/38
All: 0.000+/-0.000 χ²/NDF: 10910541.7/78
- sign 0.000+/-0.000 χ²/NDF: 5322466.8/39



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.003+/-0.004 χ^2/NDF:26.3/22

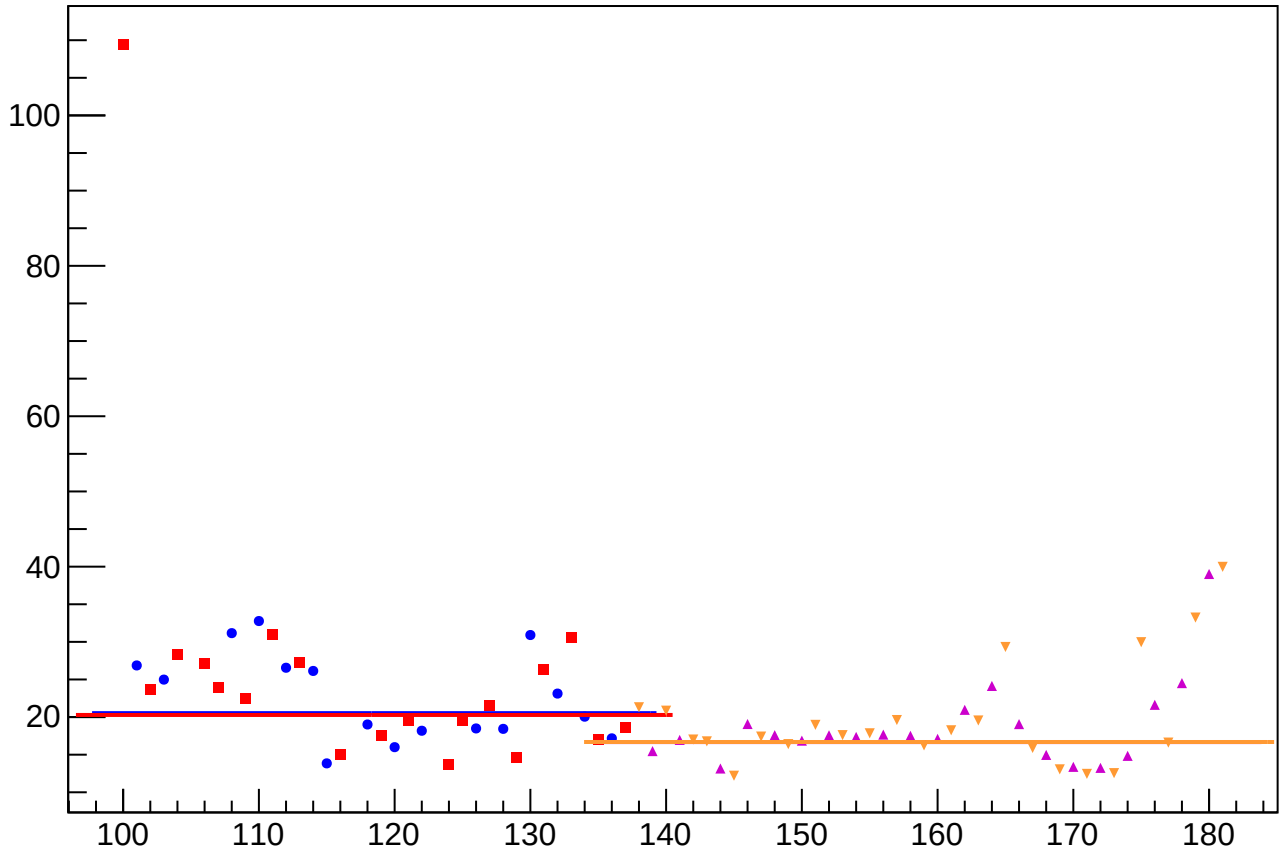
Right Out: 0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: 0.006+/-0.004 χ^2/NDF:32.7/20

+ sign 0.002+/-0.004 χ^2/NDF: 34.9/38

All: 0.004+/-0.003 χ^2/NDF: 84.2/78

- sign 0.006+/-0.004 χ^2/NDF: 48.9/39



Right In: 20.522+/-0.006 χ^2/NDF: 705998.4/15

Left Out: 16.686+/-0.003 χ^2/NDF:2311212.4/22

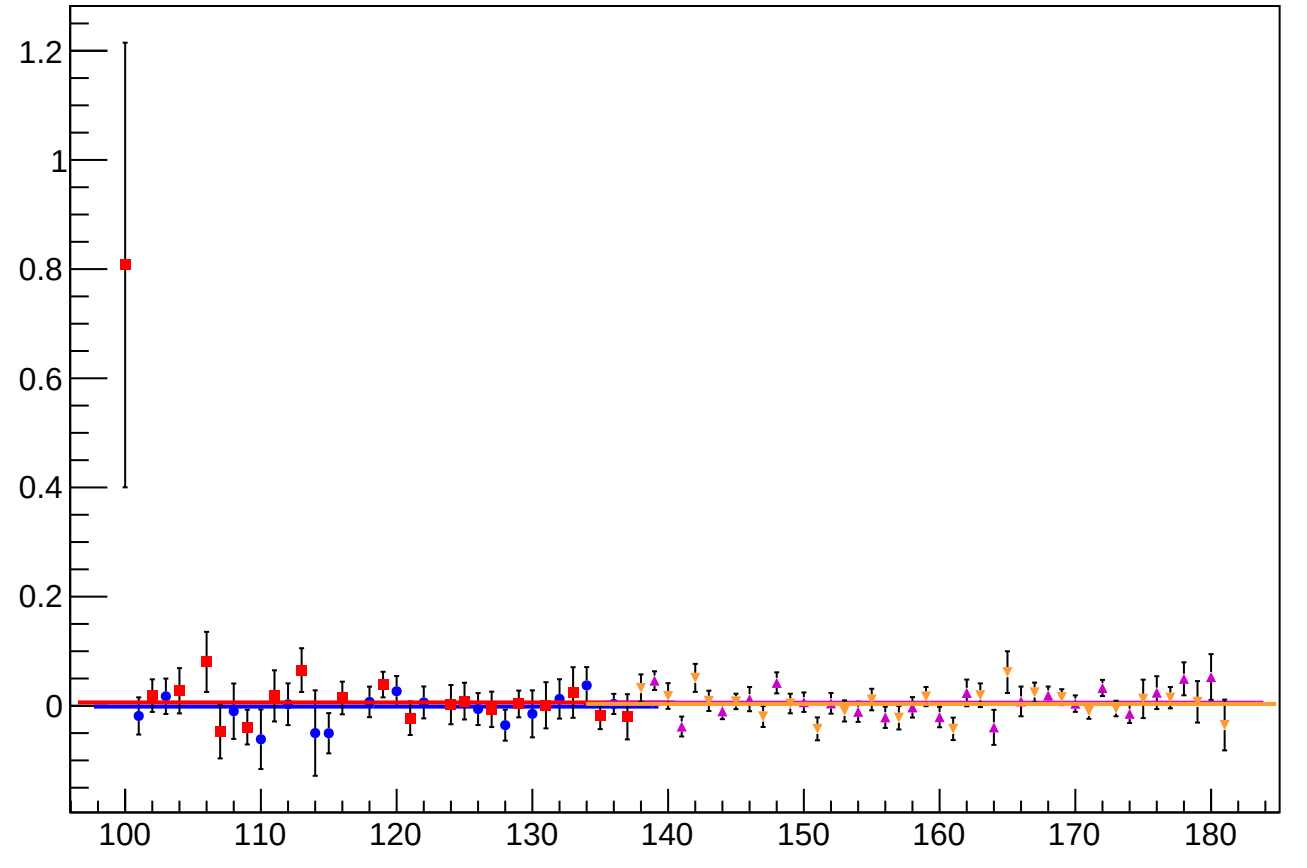
Right Out: 20.282+/-0.006 χ^2/NDF: 864352.6/18

Left In: 16.677+/-0.003 χ^2/NDF:1364623.5/20

\+ sign 17.481+/-0.003 χ^2/NDF: 3376200.7/38

All: 17.481+/-0.002 χ^2/NDF: 5930144.3/78

\- sign 17.480+/-0.003 χ^2/NDF: 2553943.6/39



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.003+/-0.004 χ^2/NDF:26.3/22

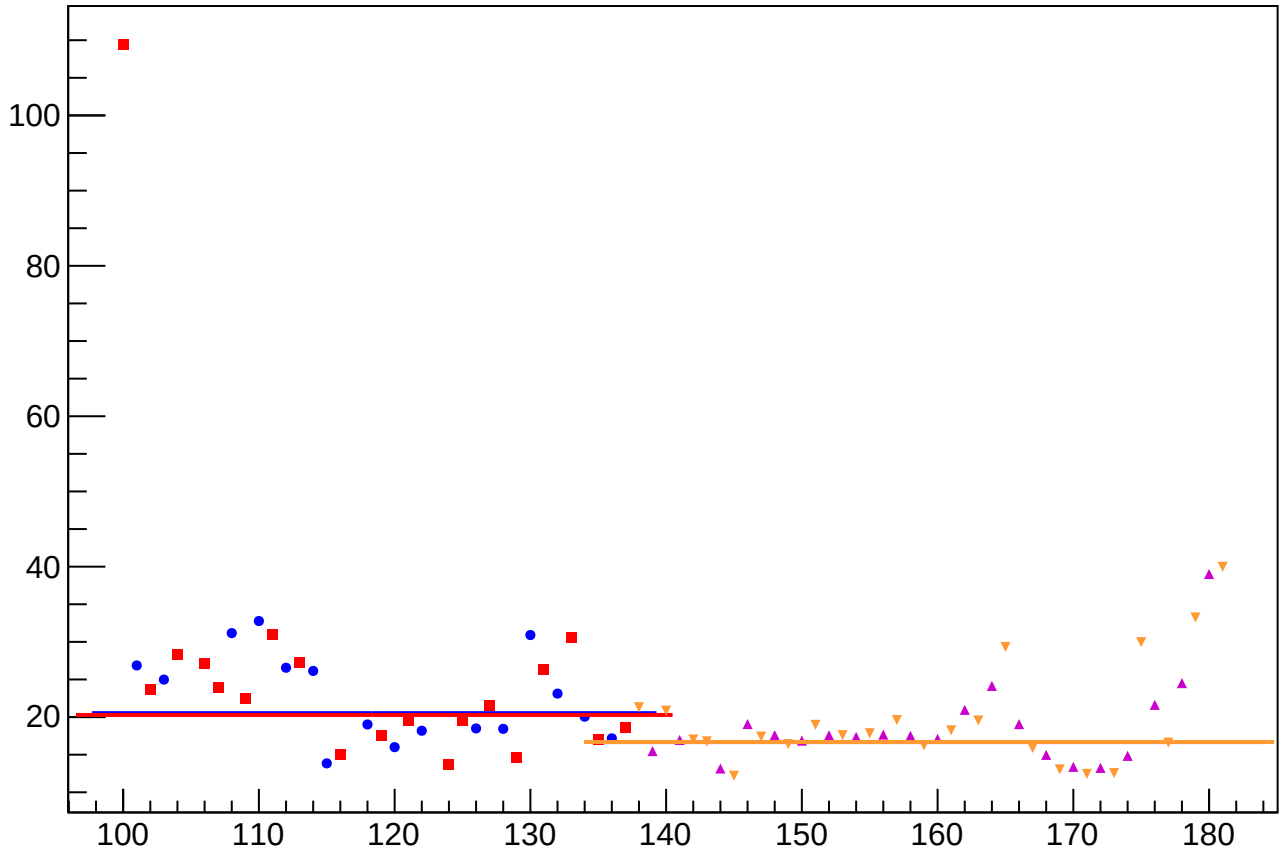
Right Out: 0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: 0.006+/-0.004 χ^2/NDF:32.7/20

+ sign 0.002+/-0.004 χ^2/NDF: 34.9/38

All: 0.004+/-0.003 χ^2/NDF: 84.2/78

- sign 0.006+/-0.004 χ^2/NDF: 48.9/39



Right In: 20.522+/-0.006 χ^2/NDF: 705998.4/15

Left Out: 16.686+/-0.003 χ^2/NDF:2311212.4/22

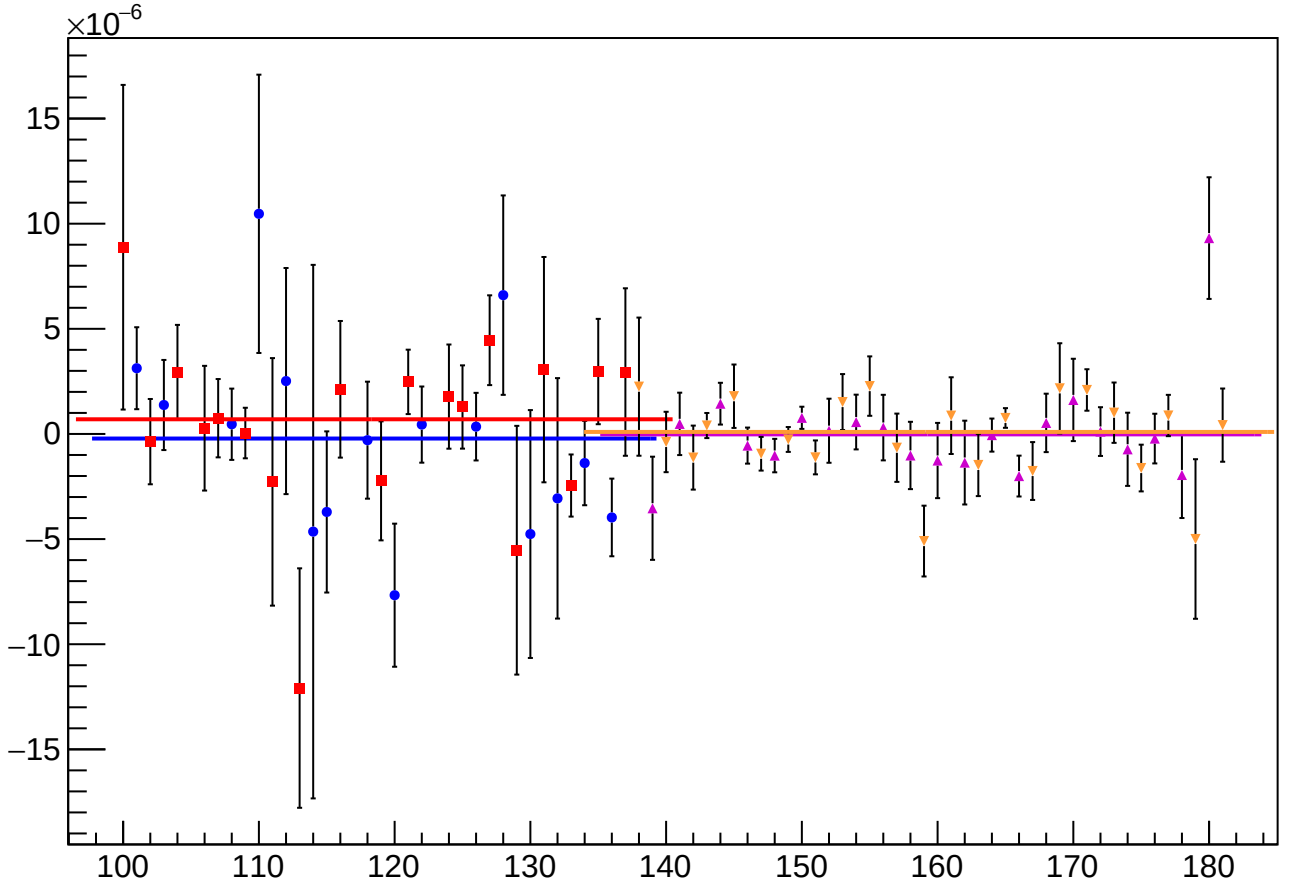
Right Out: 20.282+/-0.006 χ^2/NDF: 864352.6/18

Left In: 16.677+/-0.003 χ^2/NDF:1364623.5/20

\+ sign 17.481+/-0.003 χ^2/NDF: 3376200.7/38

All: 17.481+/-0.002 χ^2/NDF: 5930144.3/78

\- sign 17.480+/-0.003 χ^2/NDF: 2553943.6/39



Right In: -0.000+/-0.000 χ^2/NDF: 19.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:35.7/22

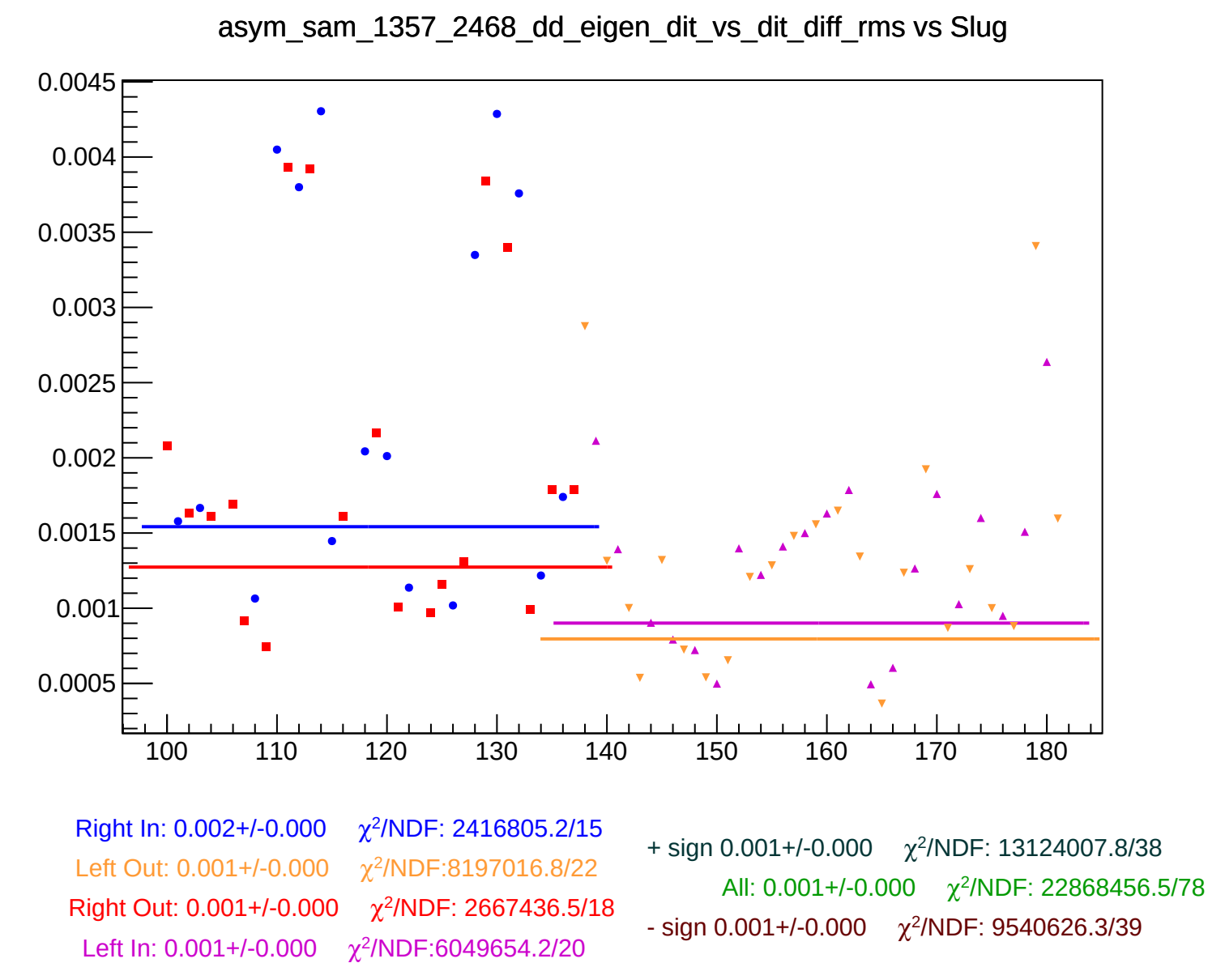
Right Out: 0.000+/-0.000 χ^2/NDF: 21.0/18

Left In: -0.000+/-0.000 χ^2/NDF:26.7/20

+ sign 0.000+/-0.000 χ^2/NDF: 55.8/38

All: 0.000+/-0.000 χ^2/NDF: 105.1/78

- sign 0.000+/-0.000 χ^2/NDF: 49.2/39


asym_sam_1357_2468_dd_eigen_dit_vs_dit_diff_rms vs Slug
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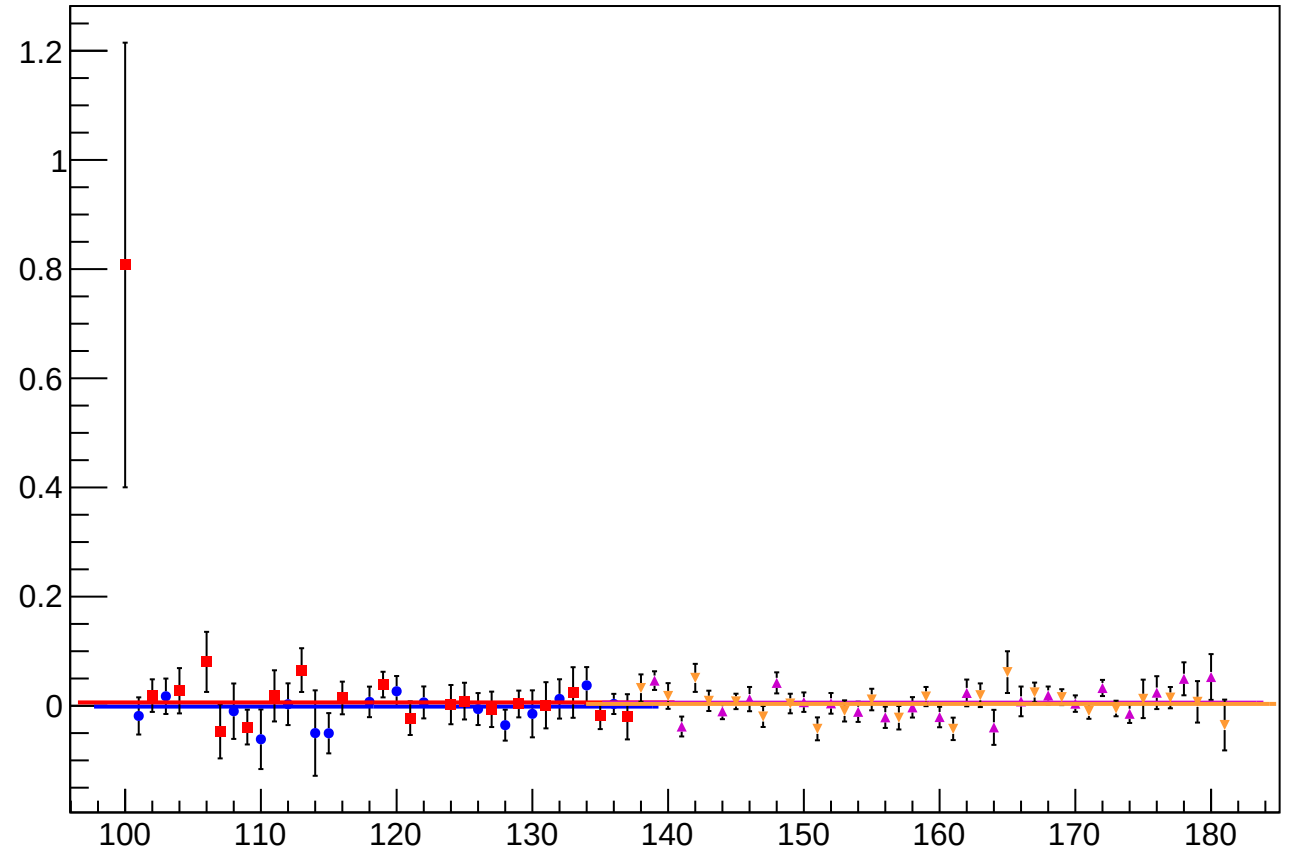
0.004
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
150
160
170
180
Right In: 0.002+/-0.000 χ²/NDF: 2416805.2/15
Left Out: 0.001+/-0.000 χ²/NDF:8197016.8/22
Right Out: 0.001+/-0.000 χ²/NDF: 2667436.5/18
Left In: 0.001+/-0.000 χ²/NDF:6049654.2/20
+ sign 0.001+/-0.000 χ²/NDF: 13124007.8/38
All: 0.001+/-0.000 χ²/NDF: 22868456.5/78
- sign 0.001+/-0.000 χ²/NDF: 9540626.3/39



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.003+/-0.004 χ^2/NDF:26.3/22

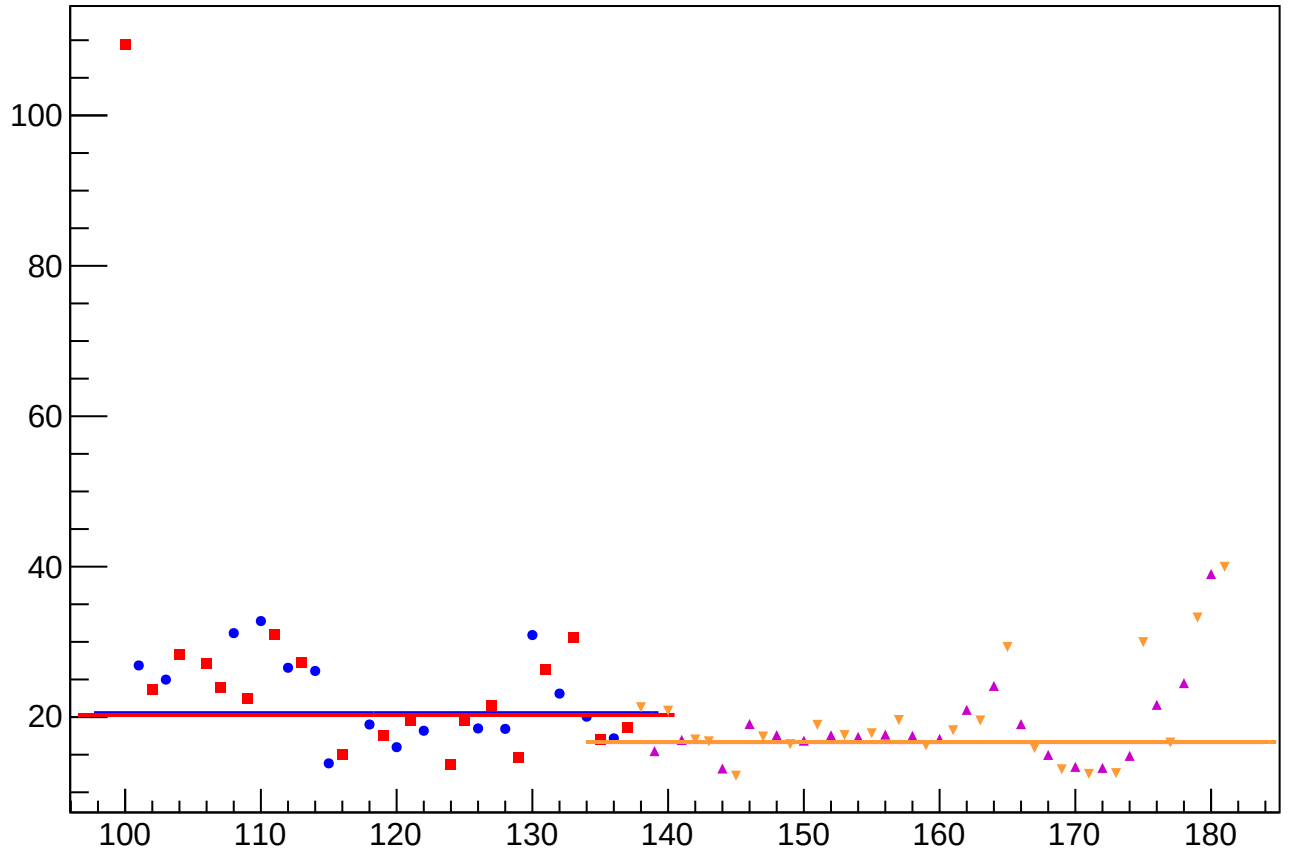
Right Out: 0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: 0.006+/-0.004 χ^2/NDF:32.7/20

+ sign 0.002+/-0.004 χ^2/NDF: 34.9/38

All: 0.004+/-0.003 χ^2/NDF: 84.2/78

- sign 0.006+/-0.004 χ^2/NDF: 48.9/39



Right In: 20.521+/-0.006 χ^2/NDF: 705877.0/15

Left Out: 16.687+/-0.003 χ^2/NDF:2311201.2/22

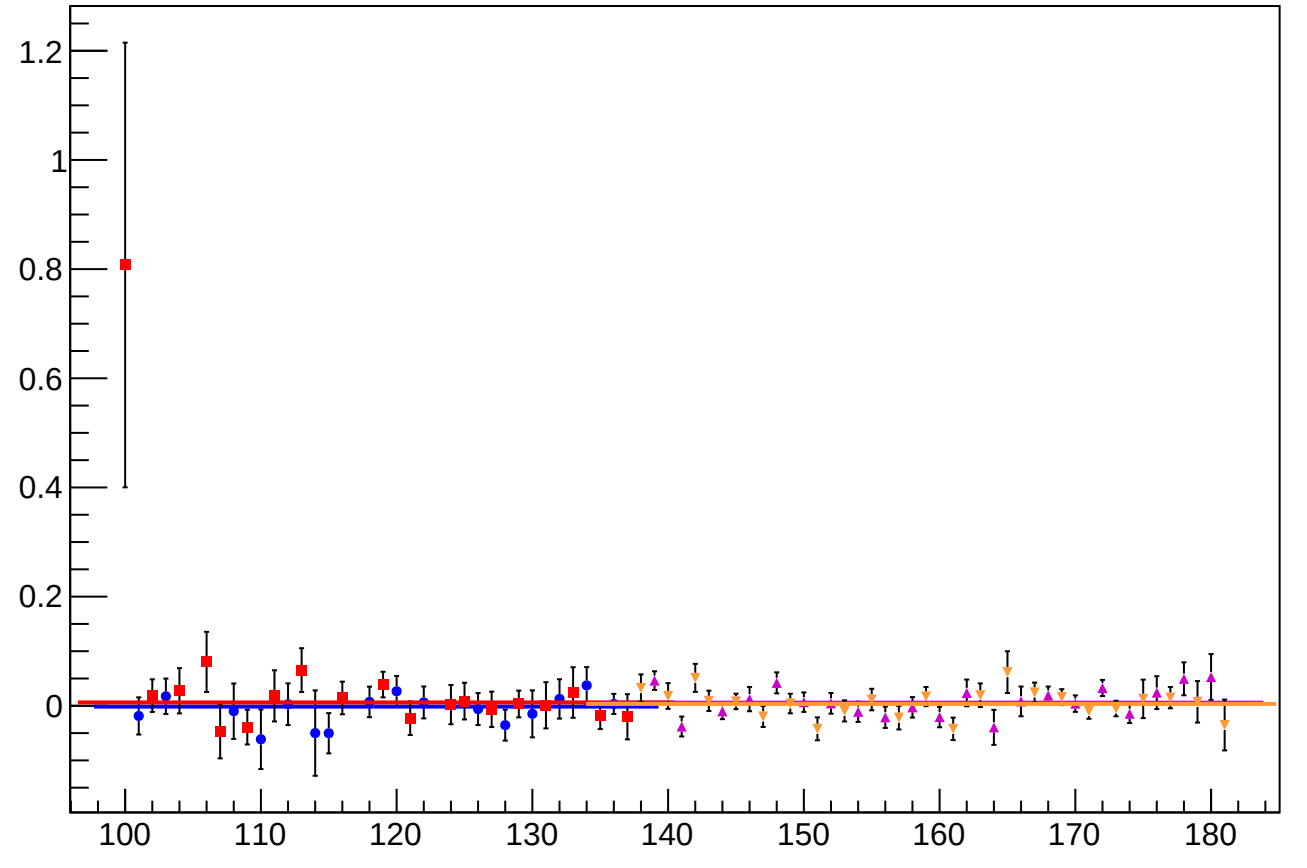
Right Out: 20.281+/-0.006 χ^2/NDF: 864361.2/18

Left In: 16.677+/-0.003 χ^2/NDF:1364612.1/20

\+ sign 17.481+/-0.003 χ^2/NDF: 3375940.8/38

All: 17.481+/-0.002 χ^2/NDF: 5929746.7/78

\- sign 17.480+/-0.003 χ^2/NDF: 2553805.8/39



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.003+/-0.004 χ^2/NDF:26.3/22

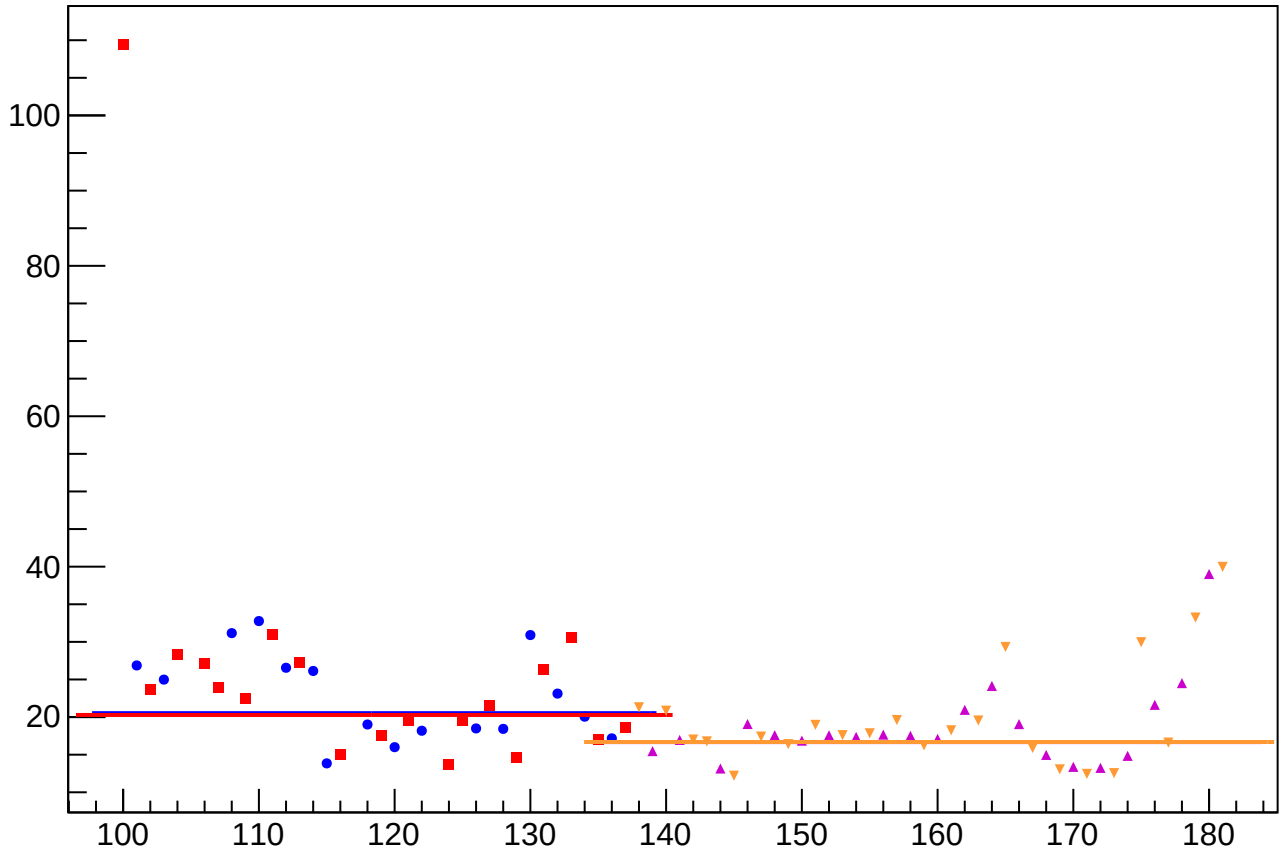
Right Out: 0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: 0.006+/-0.004 χ^2/NDF:32.7/20

+ sign 0.002+/-0.004 χ^2/NDF: 34.9/38

All: 0.004+/-0.003 χ^2/NDF: 84.2/78

- sign 0.006+/-0.004 χ^2/NDF: 48.9/39



Right In: 20.521+/-0.006 χ^2/NDF: 705877.0/15

Left Out: 16.687+/-0.003 χ^2/NDF:2311201.2/22

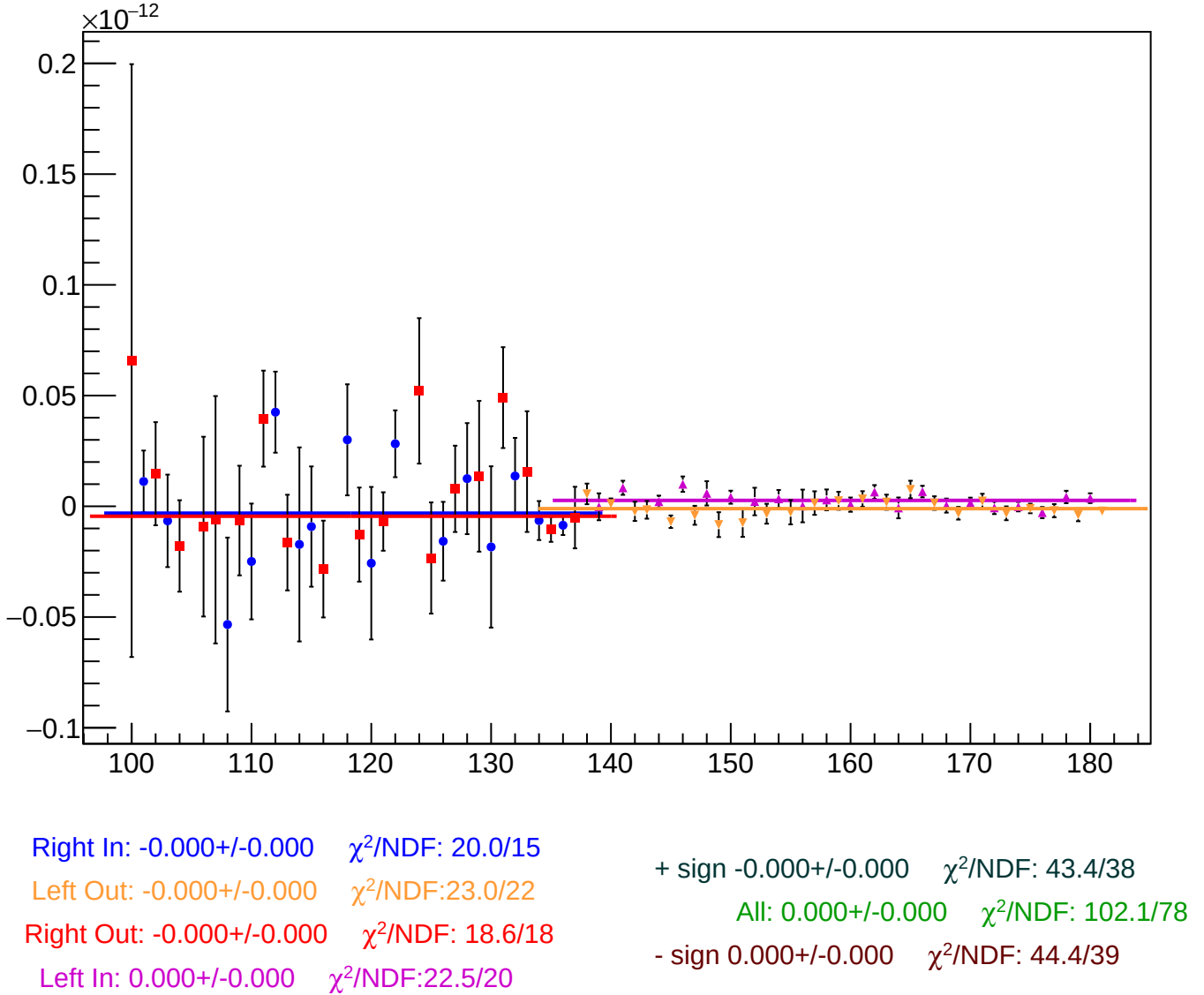
Right Out: 20.281+/-0.006 χ^2/NDF: 864361.2/18

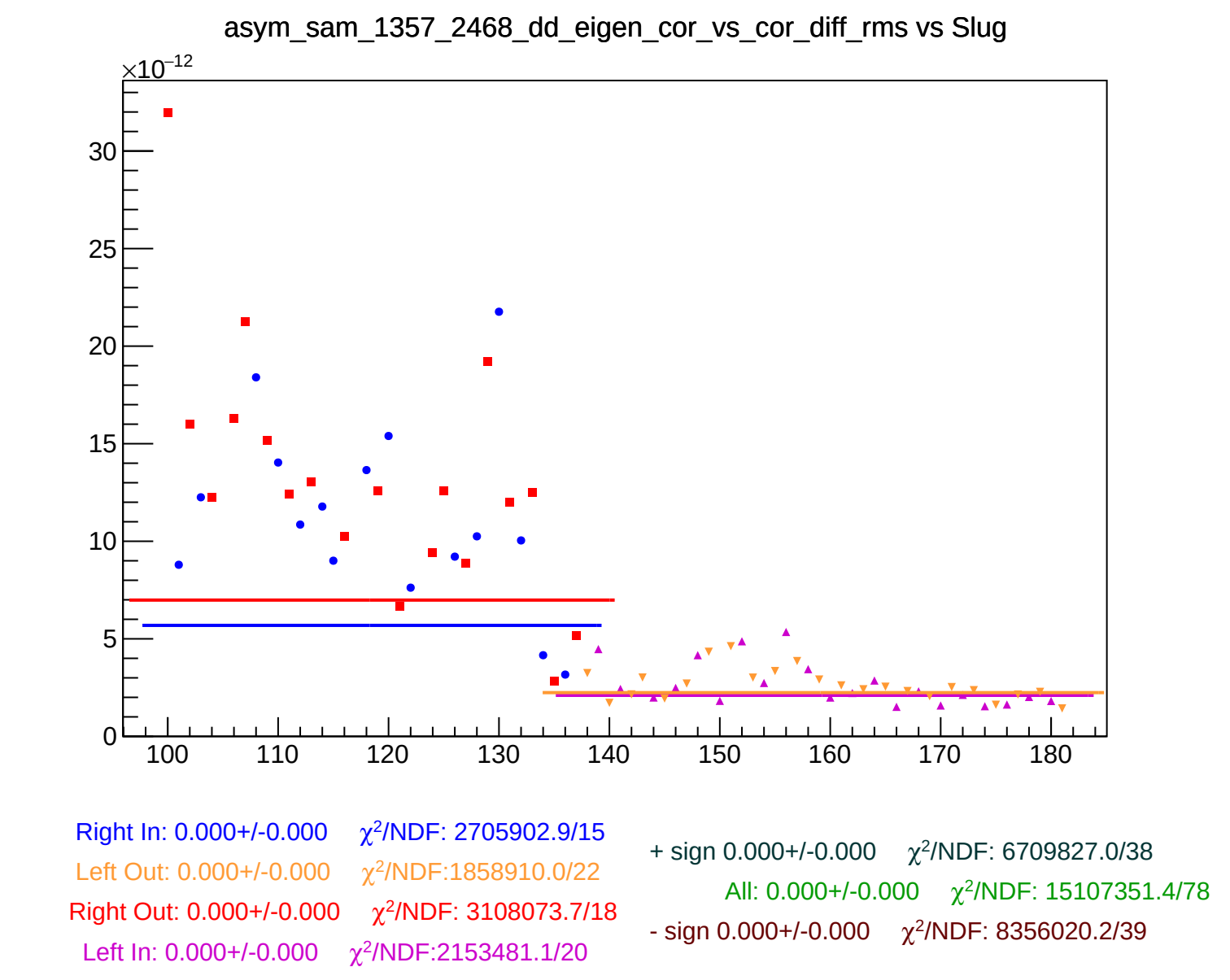
Left In: 16.677+/-0.003 χ^2/NDF:1364612.1/20

+ sign 17.481+/-0.003 χ^2/NDF: 3375940.8/38

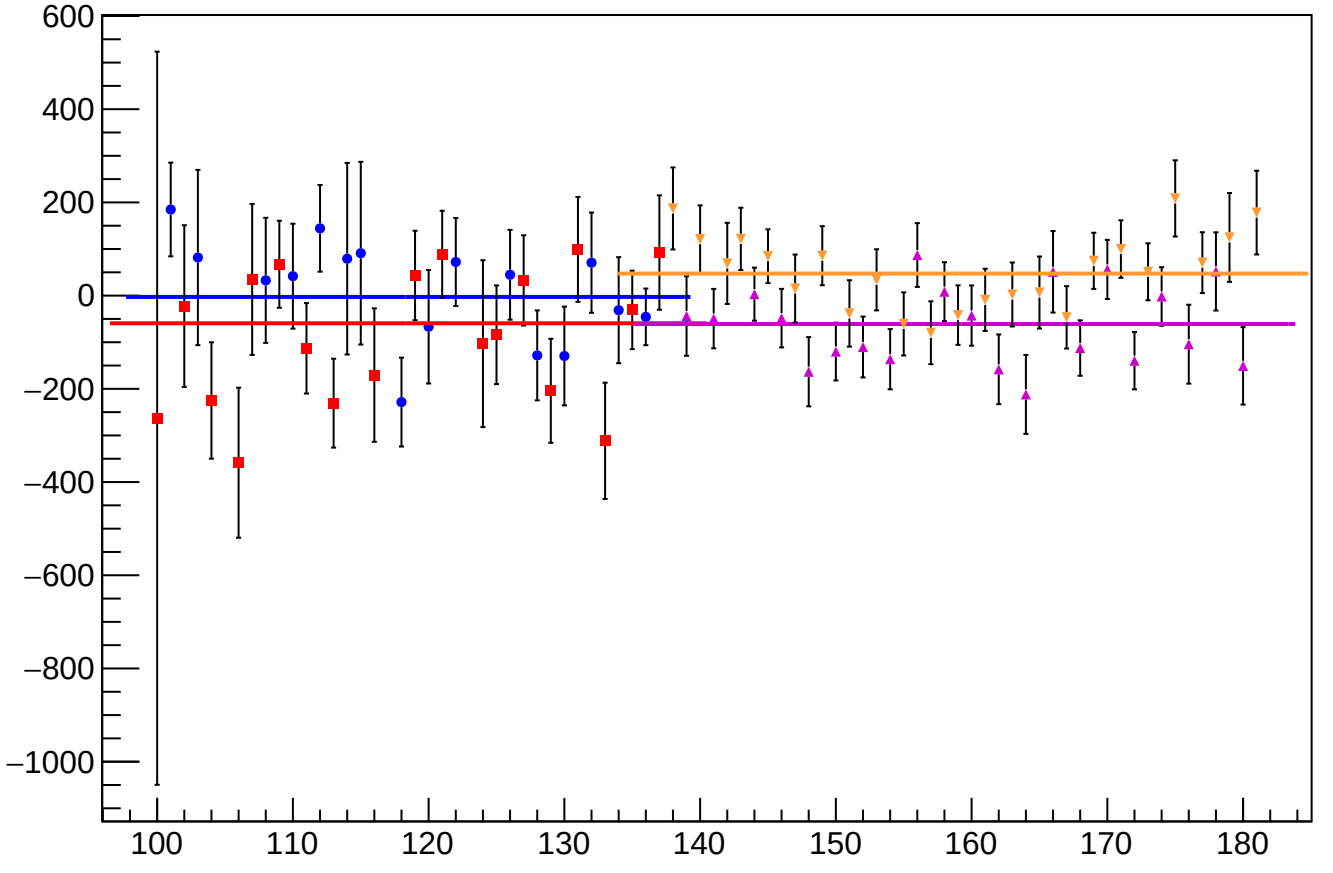
All: 17.481+/-0.002 χ^2/NDF: 5929746.7/78

- sign 17.480+/-0.003 χ^2/NDF: 2553805.8/39


asym_sam_1357_2468_dd_eigen_cor_vs_cor_diff_mean vs Slug
×10⁻¹²
0.2
0.15
0.1
0.05
0
−0.05
−0.1
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:23.0/22
Right Out: -0.000+/-0.000 χ²/NDF: 18.6/18
Left In: 0.000+/-0.000 χ²/NDF:22.5/20
+ sign -0.000+/-0.000 χ²/NDF: 43.4/38
All: 0.000+/-0.000 χ²/NDF: 102.1/78
- sign 0.000+/-0.000 χ²/NDF: 44.4/39


asym_sam_1357_2468_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
30
25
20
15
10
5
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2705902.9/15
Left Out: 0.000+/-0.000 χ²/NDF:1858910.0/22
Right Out: 0.000+/-0.000 χ²/NDF: 3108073.7/18
Left In: 0.000+/-0.000 χ²/NDF:2153481.1/20
+ sign 0.000+/-0.000 χ²/NDF: 6709827.0/38
All: 0.000+/-0.000 χ²/NDF: 15107351.4/78
- sign 0.000+/-0.000 χ²/NDF: 8356020.2/39

reg_asym_sam_12345678_avg_mean vs Slug



Right In: -2.766+/-26.213 χ^2/NDF: 17.7/15

Left Out: 47.298+/-14.469 χ^2/NDF:26.5/22

Right Out: -59.349+/-26.382 χ^2/NDF: 25.7/18

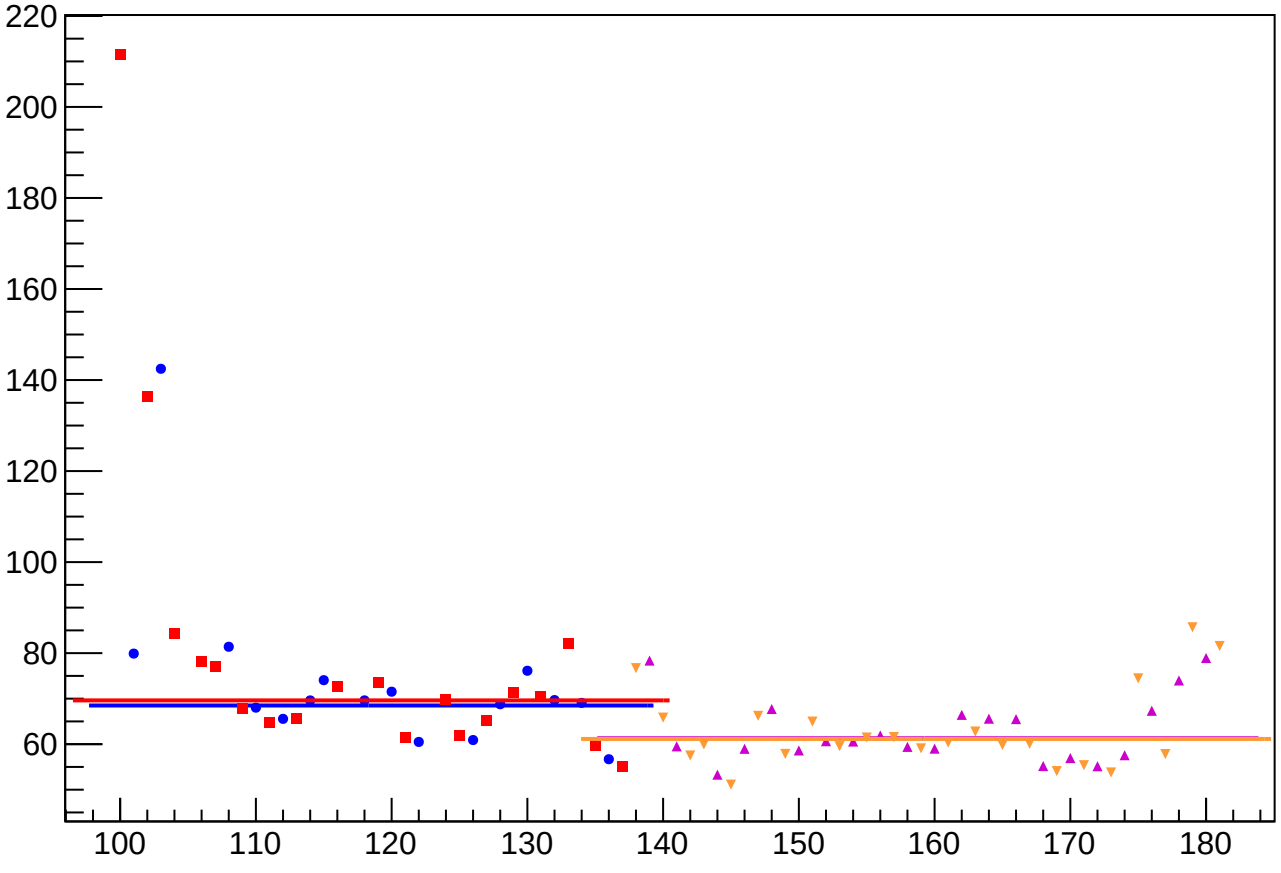
Left In: -60.983+/-14.926 χ^2/NDF:28.5/20

+ sign 35.607+/-12.667 χ^2/NDF: 47.0/38

All: -11.276+/-9.069 χ^2/NDF: 129.3/78

- sign -60.587+/-12.991 χ^2/NDF: 54.2/39

reg_asym_sam_12345678_avg_rms vs Slug



Right In: 68.499+/-0.019 χ^2/NDF: 471865.0/15

Left Out: 61.150+/-0.010 χ^2/NDF:530053.8/22

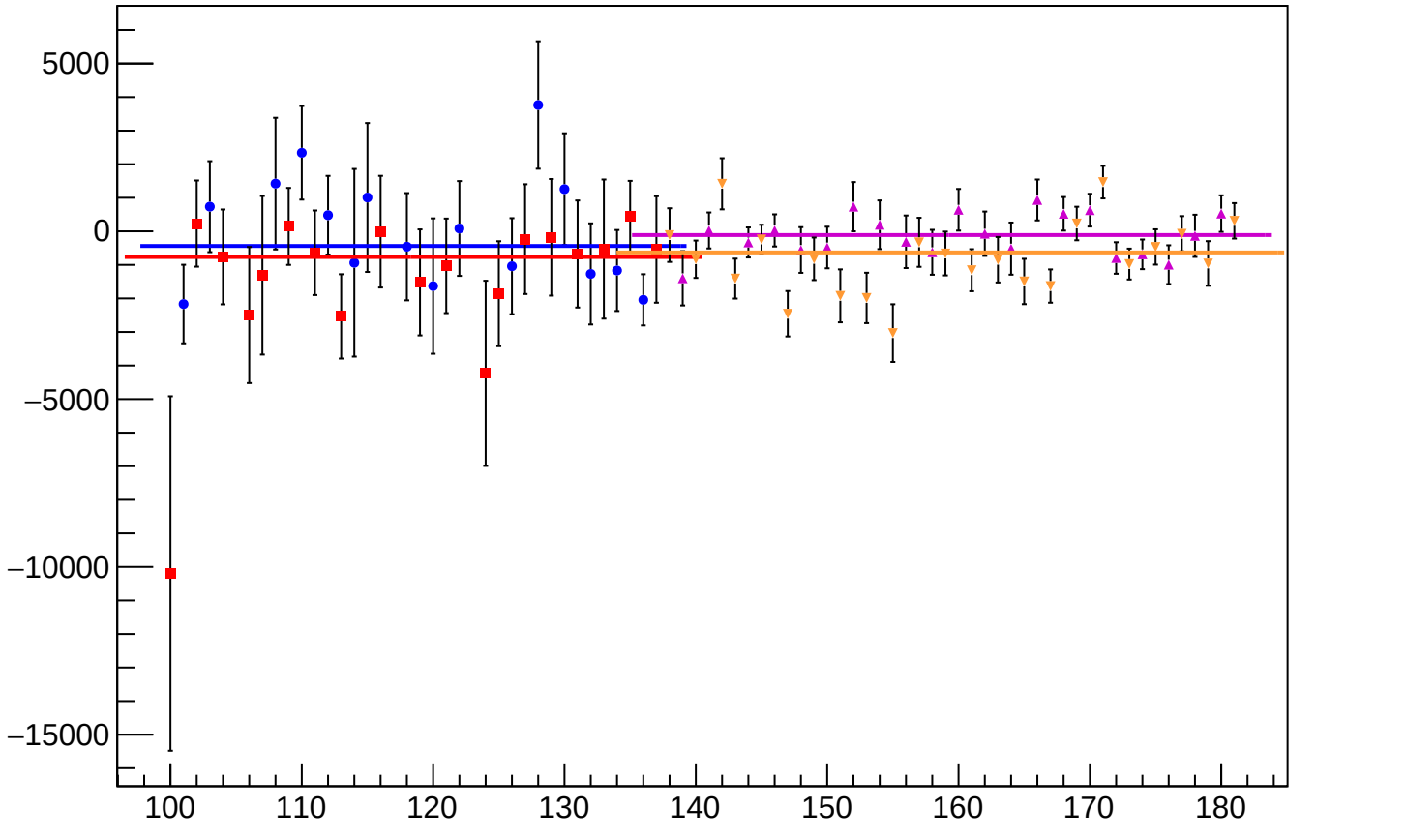
Right Out: 69.620+/-0.019 χ^2/NDF: 520403.9/18

Left In: 61.301+/-0.011 χ^2/NDF:370038.0/20

+ sign 62.866+/-0.009 χ^2/NDF: 1122405.6/38

All: 63.086+/-0.006 χ^2/NDF: 2164713.1/78

- sign 63.318+/-0.009 χ^2/NDF: 1041064.3/39



Right In: -437.444+/-348.880 χ^2/NDF: 20.6/15

Left Out: -629.893+/-123.783 χ^2/NDF:65.0/22

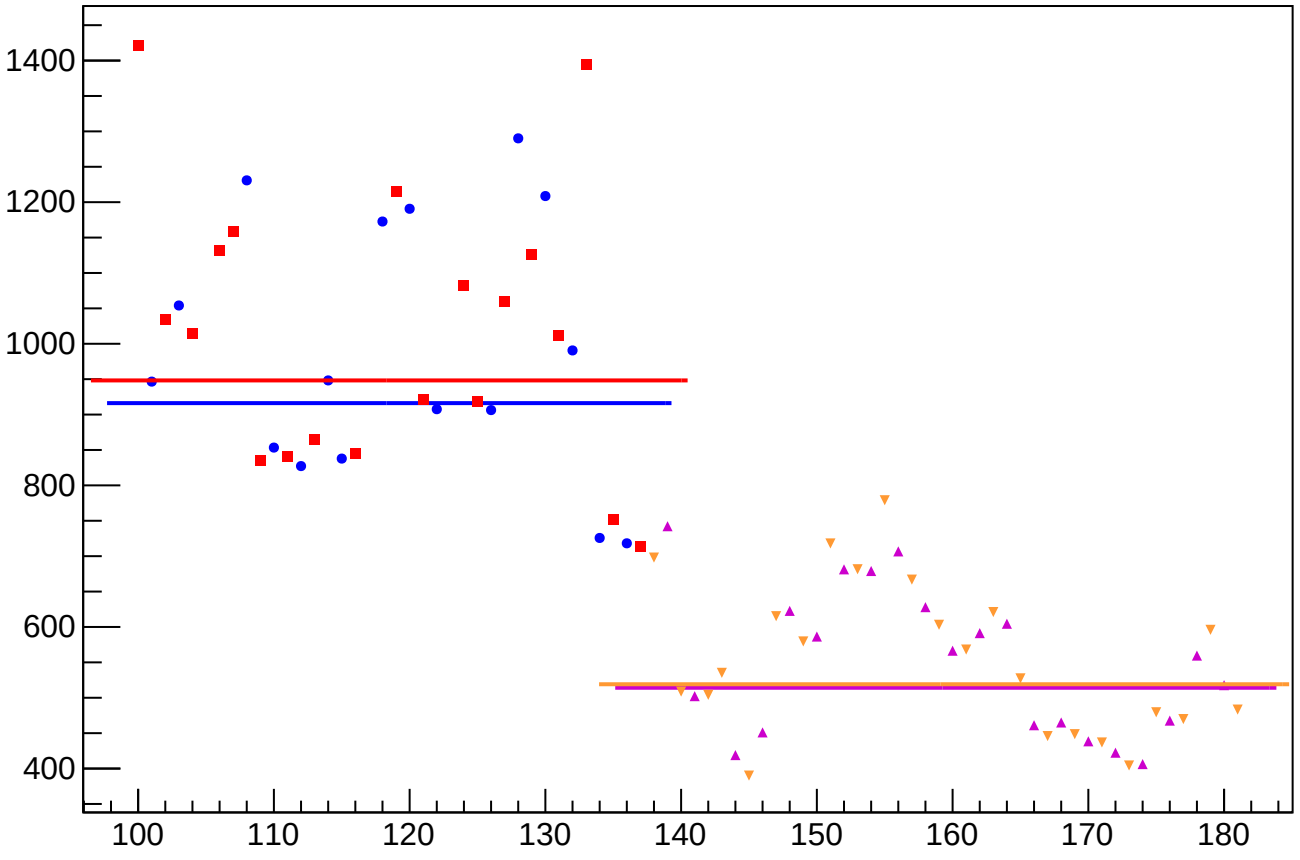
Right Out: -765.341+/-353.052 χ^2/NDF: 11.3/18

Left In: -111.354+/-126.276 χ^2/NDF:22.0/20

+ sign -608.375+/-116.658 χ^2/NDF: 85.8/38

All: -400.976+/-83.271 χ^2/NDF: 128.6/78

- sign -185.528+/-118.900 χ^2/NDF: 36.4/39



Right In: 916.171+/-0.247 χ^2/NDF: 509126.4/15

Left Out: 519.086+/-0.088 χ^2/NDF:1242810.3/22

Right Out: 948.235+/-0.250 χ^2/NDF: 415192.3/18

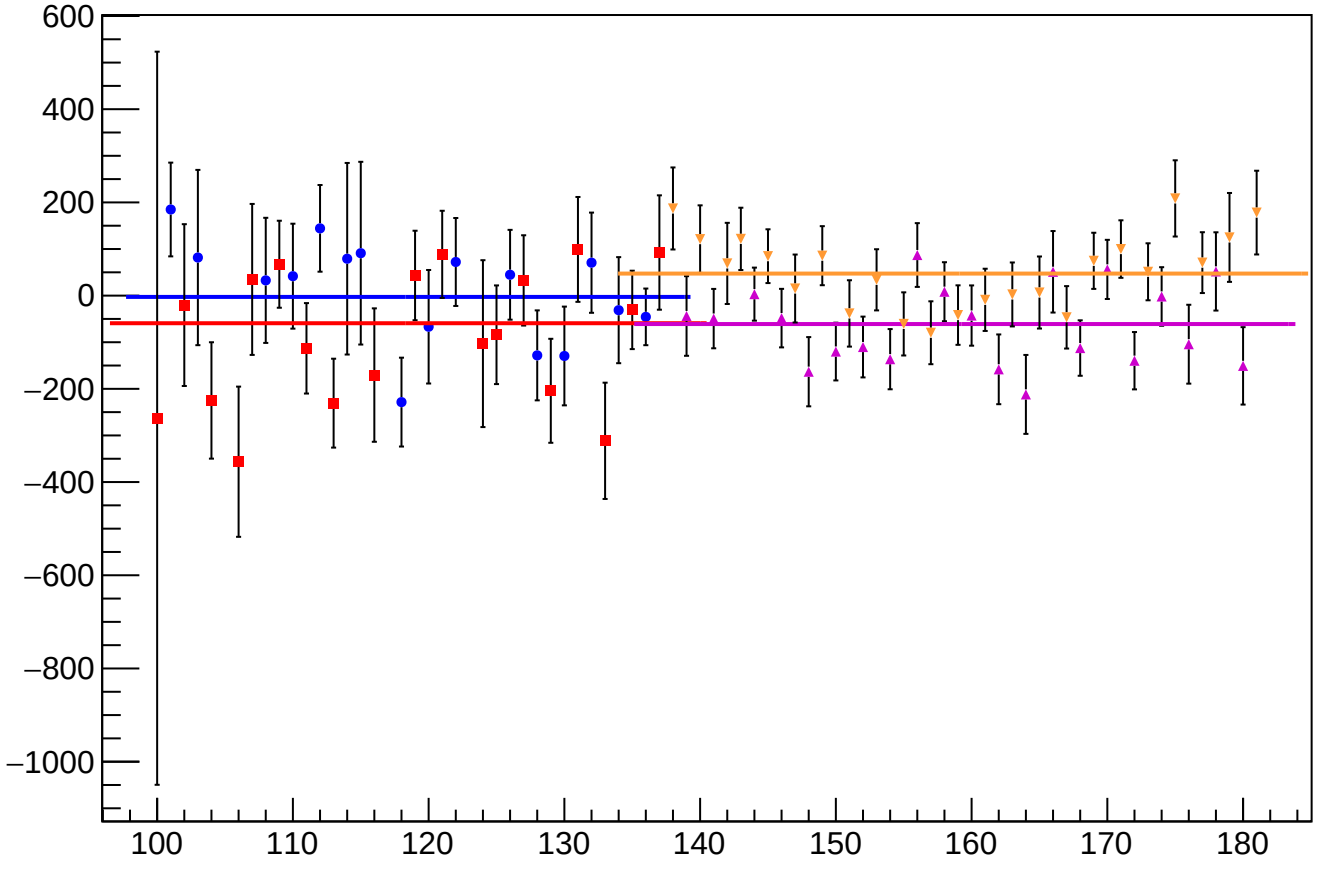
Left In: 514.147+/-0.089 χ^2/NDF:1118867.0/20

+ sign 563.484+/-0.082 χ^2/NDF: 4053115.3/38

All: 563.433+/-0.059 χ^2/NDF: 8267739.7/78

- sign 563.381+/-0.084 χ^2/NDF: 4214623.6/39

cor_asym_sam_12345678_avg_mean vs Slug



Right In: -2.773+/-26.213 χ^2/NDF: 17.7/15

Left Out: 47.301+/-14.469 χ^2/NDF:26.5/22

Right Out: -59.226+/-26.384 χ^2/NDF: 25.7/18

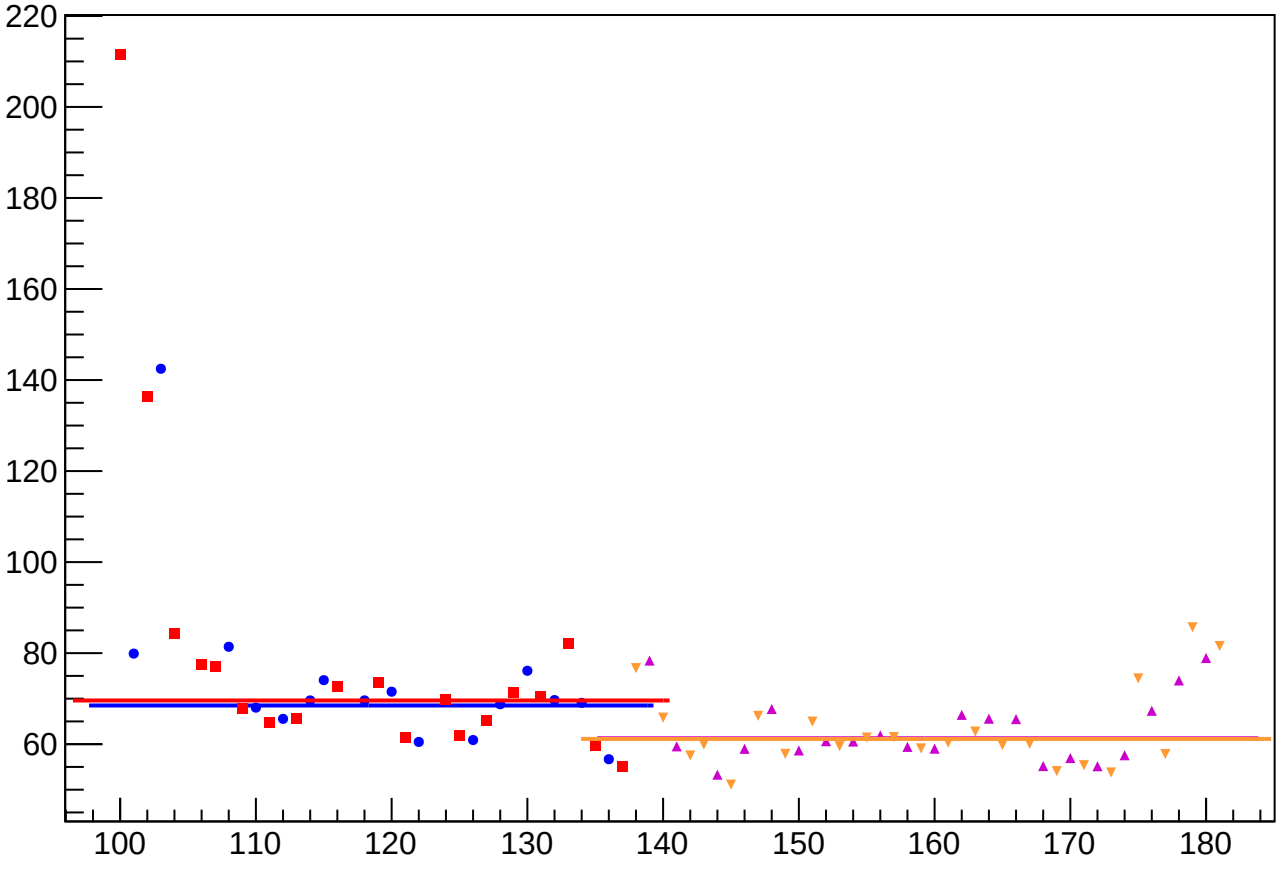
Left In: -60.983+/-14.926 χ^2/NDF:28.5/20

+ sign 35.608+/-12.667 χ^2/NDF: 47.0/38

All: -11.261+/-9.069 χ^2/NDF: 129.2/78

- sign -60.557+/-12.991 χ^2/NDF: 54.2/39

cor_asym_sam_12345678_avg_rms vs Slug



Right In: 68.499+/-0.019 χ^2/NDF: 471868.0/15

Left Out: 61.150+/-0.010 χ^2/NDF:530053.8/22

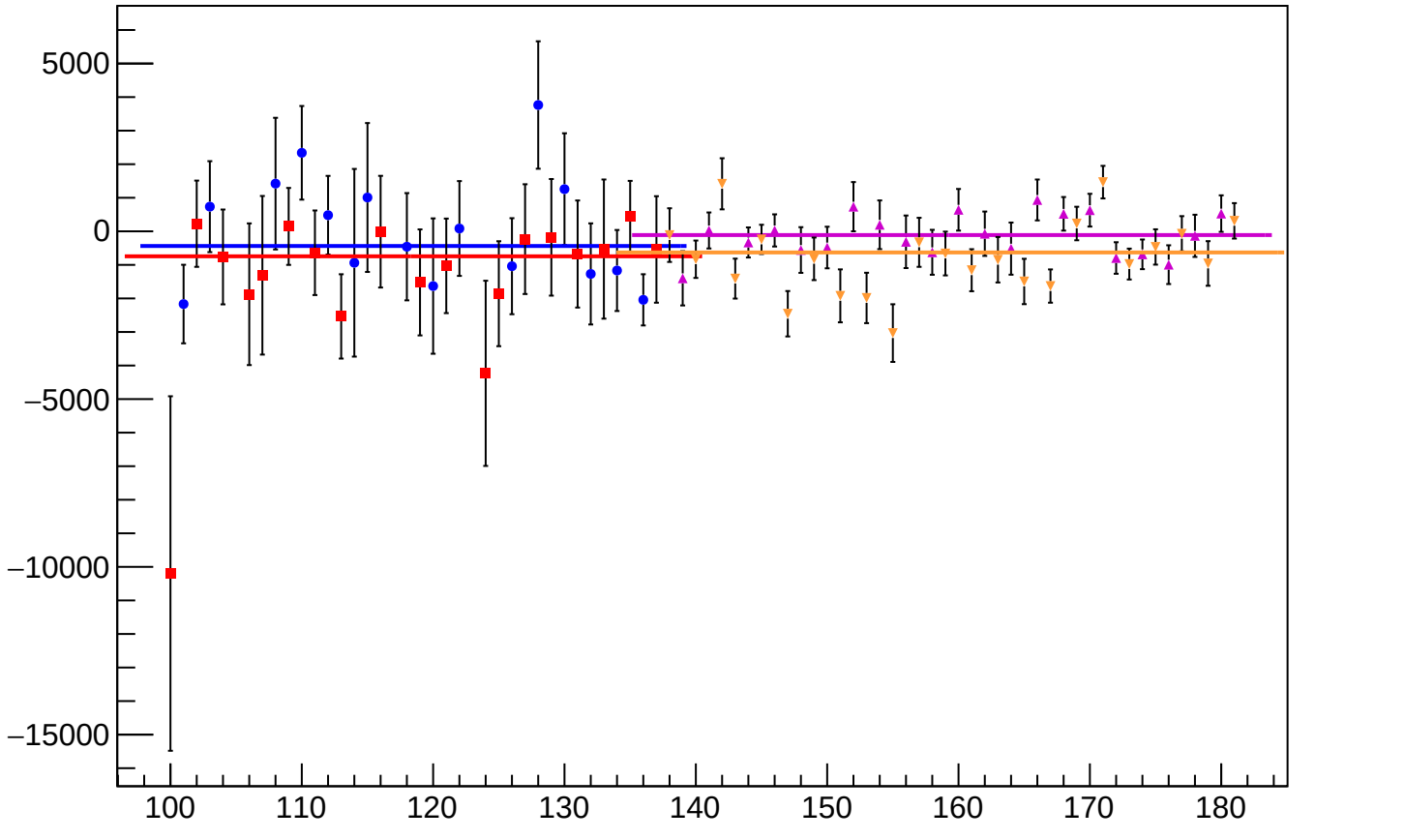
Right Out: 69.600+/-0.019 χ^2/NDF: 519788.9/18

Left In: 61.301+/-0.011 χ^2/NDF:370038.0/20

+ sign 62.866+/-0.009 χ^2/NDF: 1122408.6/38

All: 63.084+/-0.006 χ^2/NDF: 2163369.2/78

- sign 63.313+/-0.009 χ^2/NDF: 1039743.6/39



Right In: -437.415+/-348.881 χ^2/NDF: 20.6/15

Left Out: -629.889+/-123.783 χ^2/NDF:65.0/22

Right Out: -744.388+/-353.488 χ^2/NDF: 10.9/18

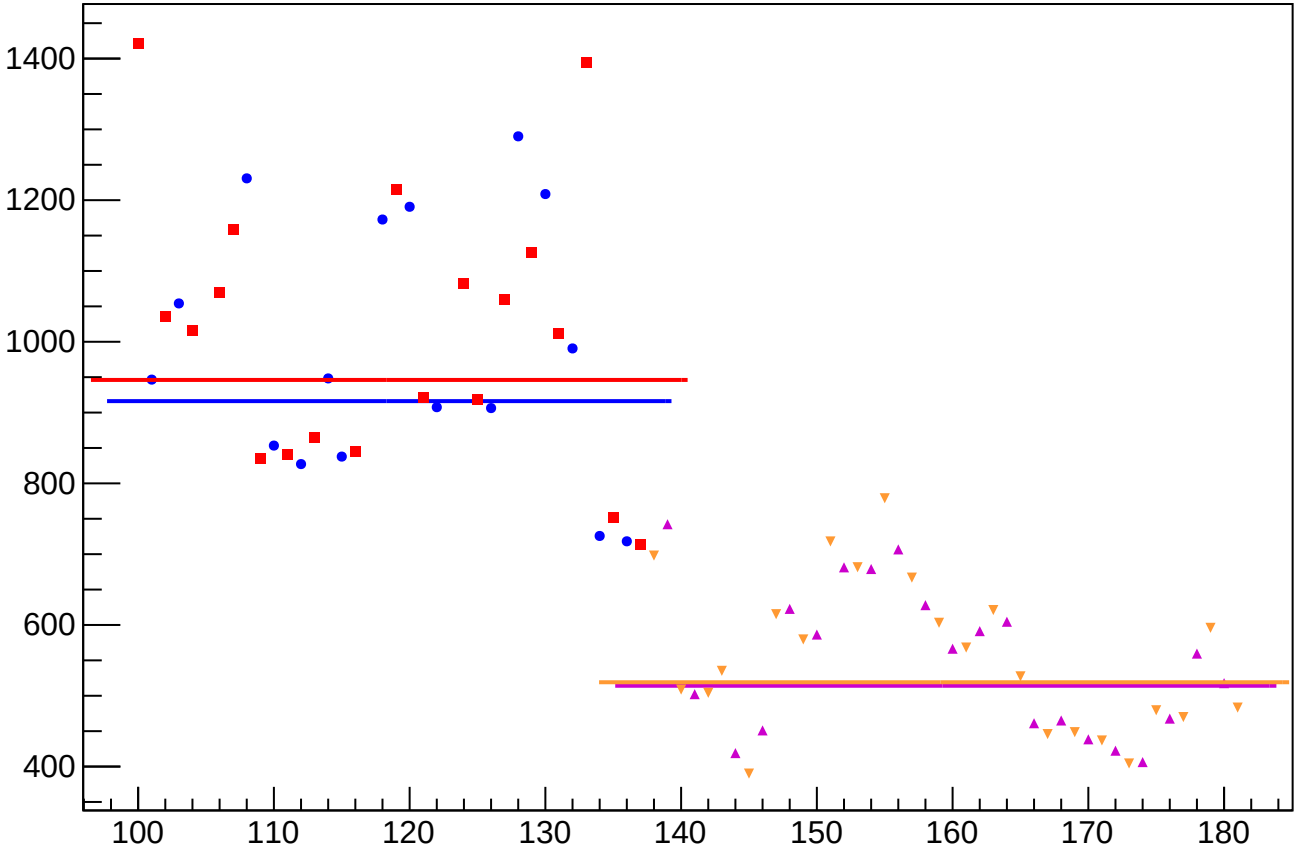
Left In: -111.353+/-126.276 χ^2/NDF:22.0/20

+ sign -608.369+/-116.658 χ^2/NDF: 85.8/38

All: -399.759+/-83.277 χ^2/NDF: 128.0/78

- sign -182.994+/-118.916 χ^2/NDF: 35.7/39

asym_sam_12345678_avg_cor_correction_rms vs Slug



Right In: 916.174+/-0.247 χ^2/NDF: 509149.2/15

Left Out: 519.086+/-0.088 χ^2/NDF:1242813.9/22

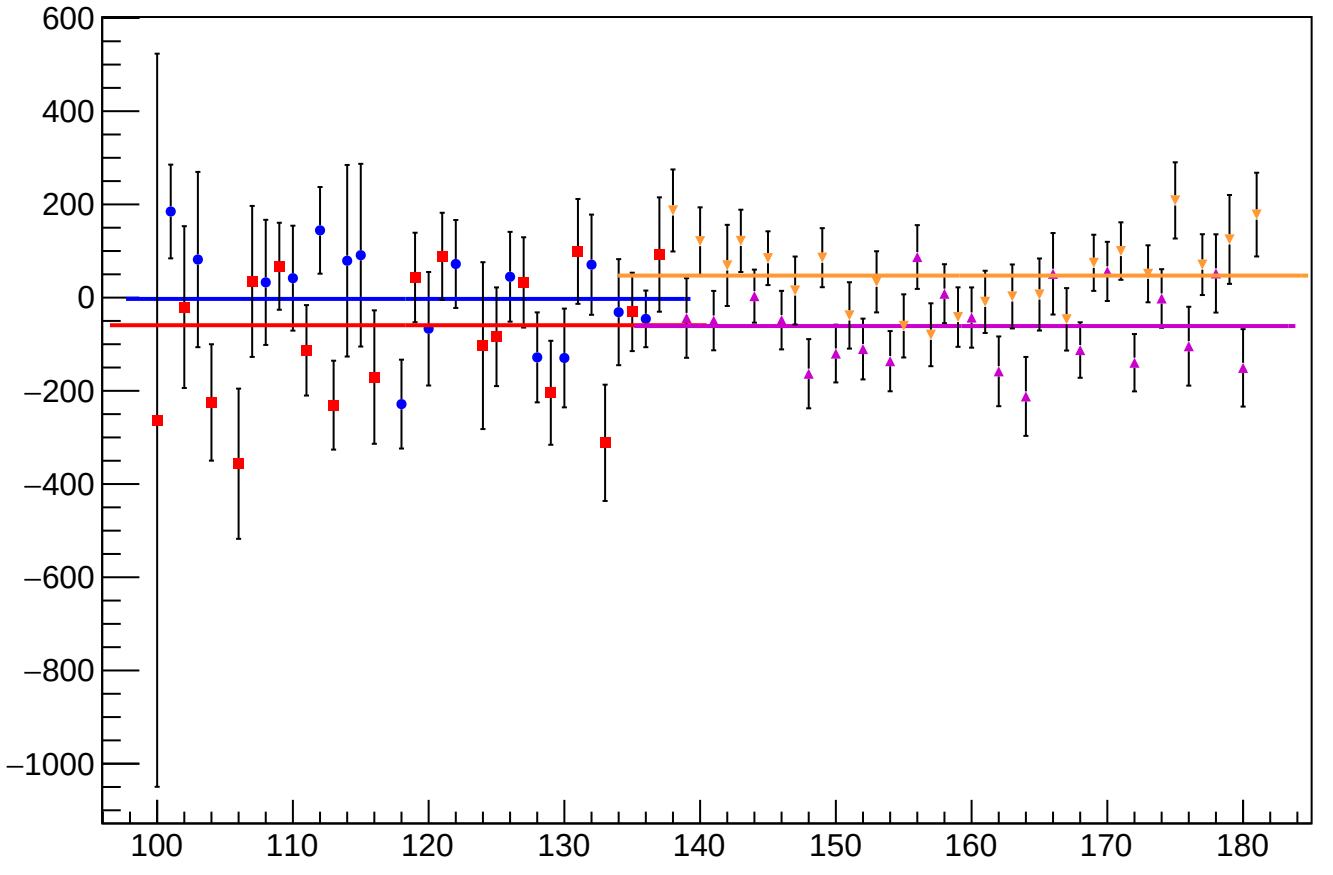
Right Out: 946.093+/-0.250 χ^2/NDF: 405411.3/18

Left In: 514.148+/-0.089 χ^2/NDF:1118865.8/20

\+ sign 563.484+/-0.082 χ^2/NDF: 4053167.3/38

All: 563.262+/-0.059 χ^2/NDF: 8225821.5/78

\- sign 563.031+/-0.084 χ^2/NDF: 4172639.4/39



Right In: -2.773+/-26.213 χ^2/NDF: 17.7/15

Left Out: 47.301+/-14.469 χ^2/NDF:26.5/22

Right Out: -59.226+/-26.384 χ^2/NDF: 25.7/18

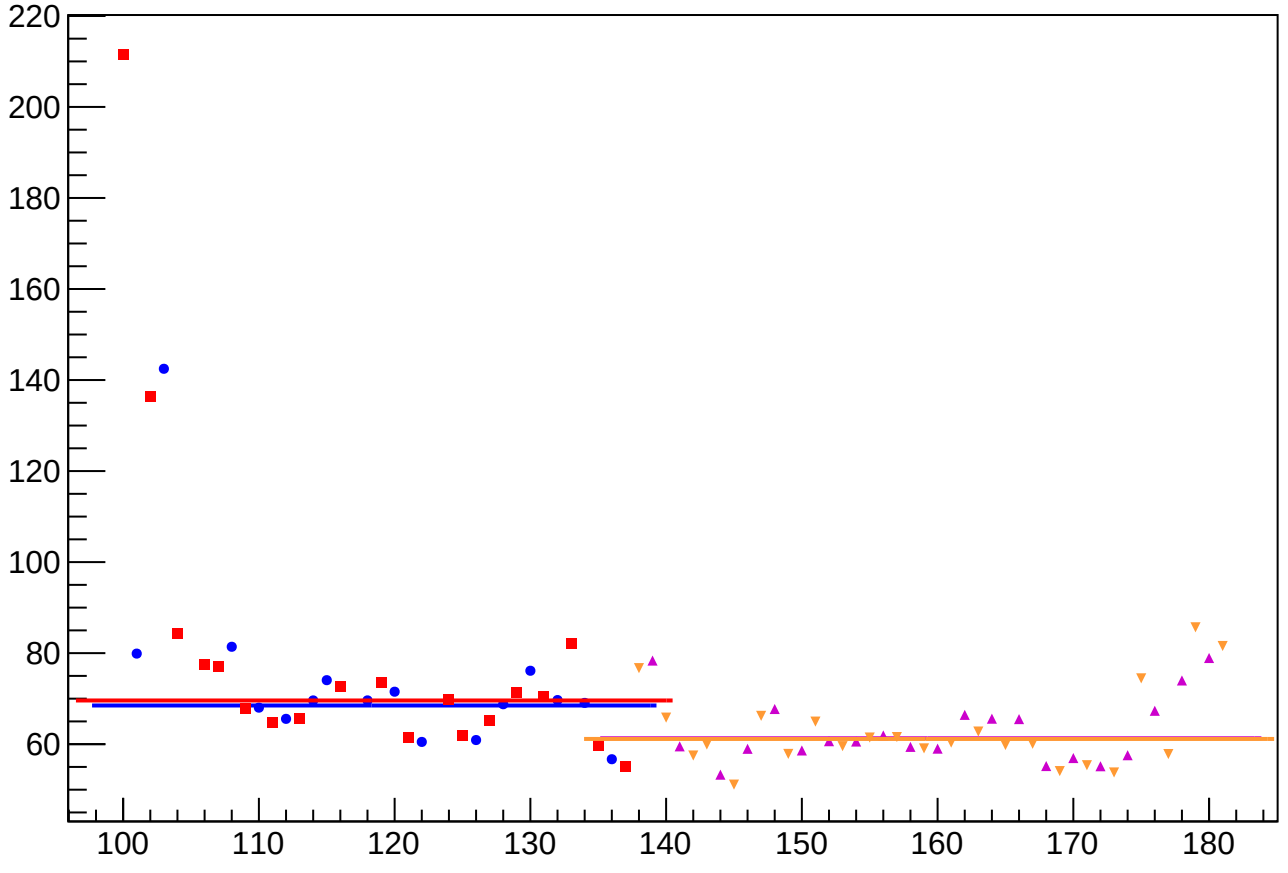
Left In: -60.983+/-14.926 χ^2/NDF:28.5/20

+ sign 35.608+/-12.667 χ^2/NDF: 47.0/38

All: -11.261+/-9.069 χ^2/NDF: 129.2/78

- sign -60.557+/-12.991 χ^2/NDF: 54.2/39

eigen_cor_asym_sam_12345678_avg_rms vs Slug



Right In: 68.499+/-0.019 χ^2/NDF: 471868.0/15

Left Out: 61.150+/-0.010 χ^2/NDF:530053.8/22

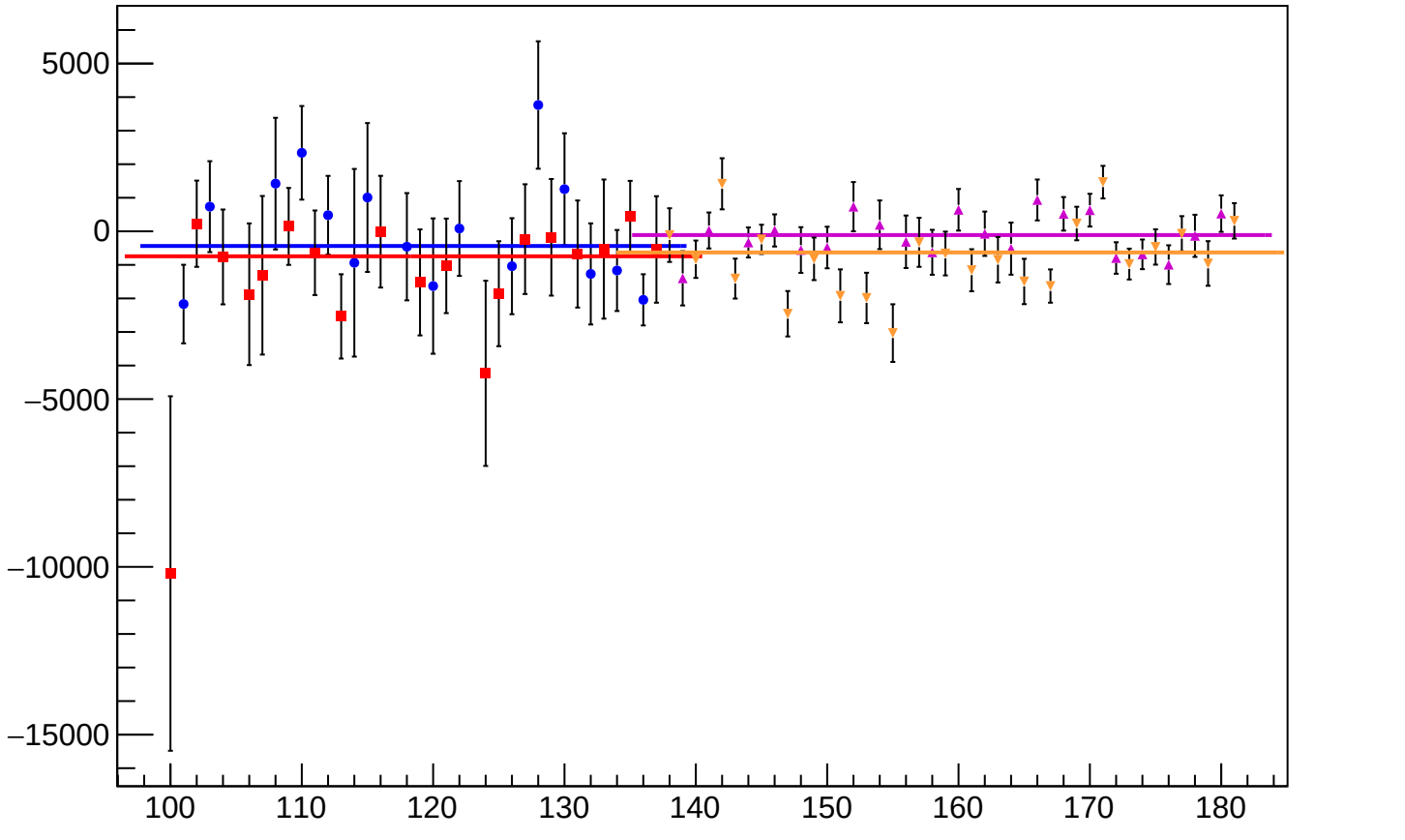
Right Out: 69.600+/-0.019 χ^2/NDF: 519788.9/18

Left In: 61.301+/-0.011 χ^2/NDF:370038.0/20

+ sign 62.866+/-0.009 χ^2/NDF: 1122408.6/38

All: 63.084+/-0.006 χ^2/NDF: 2163369.2/78

- sign 63.313+/-0.009 χ^2/NDF: 1039743.6/39



Right In: -437.415+/-348.881 χ^2/NDF: 20.6/15

Left Out: -629.889+/-123.783 χ^2/NDF:65.0/22

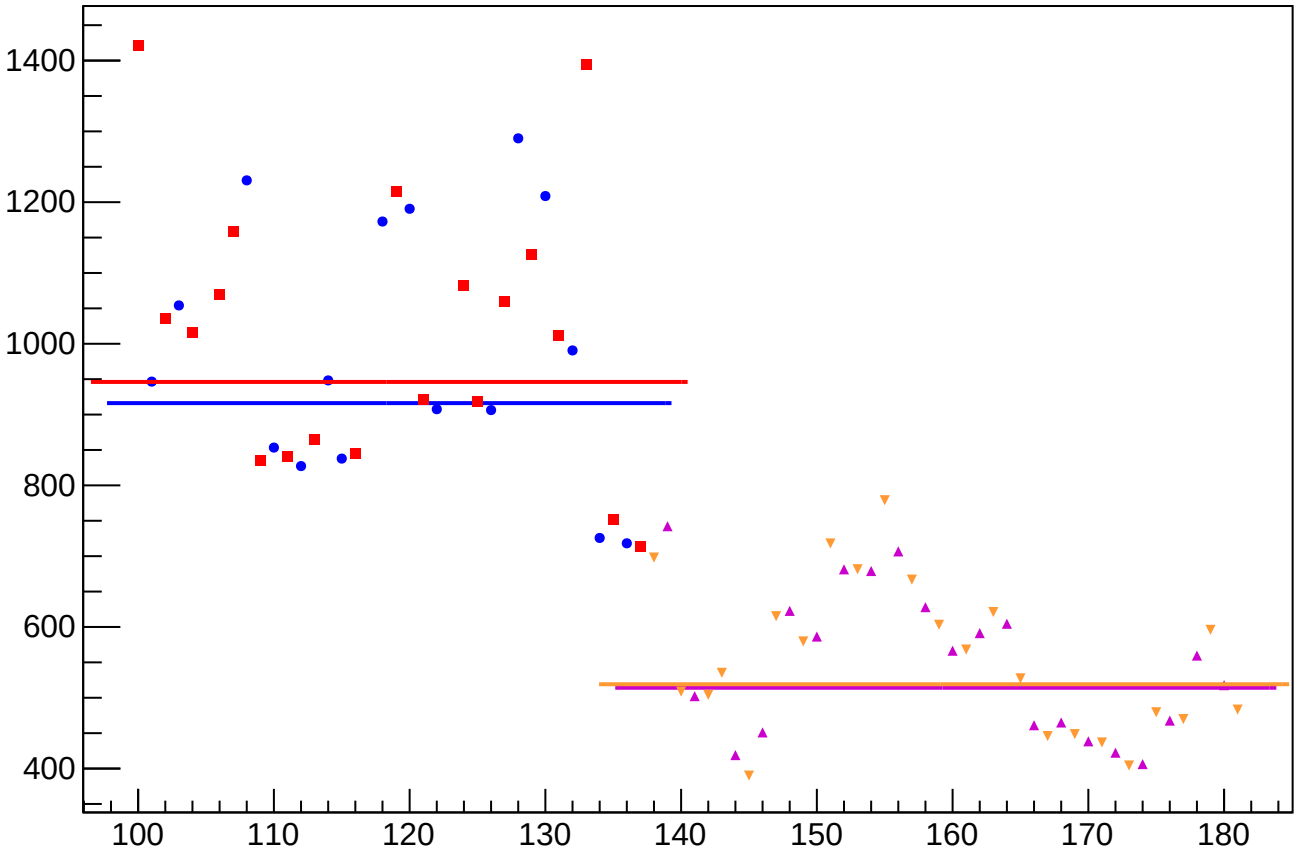
Right Out: -744.388+/-353.488 χ^2/NDF: 10.9/18

Left In: -111.353+/-126.276 χ^2/NDF:22.0/20

+ sign -608.369+/-116.658 χ^2/NDF: 85.8/38

All: -399.759+/-83.277 χ^2/NDF: 128.0/78

- sign -182.994+/-118.916 χ^2/NDF: 35.7/39



Right In: 916.174+/-0.247 χ^2/NDF: 509149.2/15

Left Out: 519.086+/-0.088 χ^2/NDF:1242813.9/22

Right Out: 946.093+/-0.250 χ^2/NDF: 405411.3/18

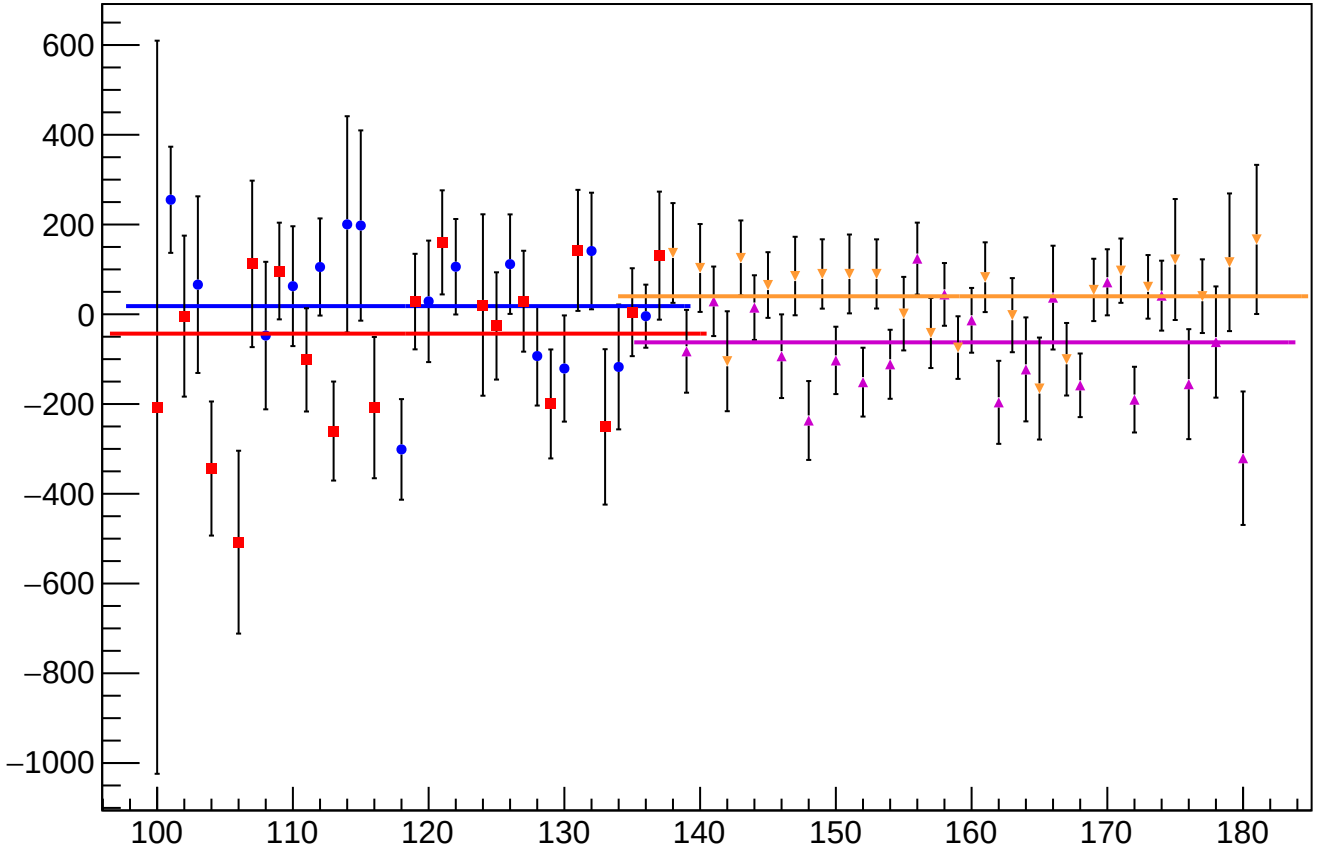
Left In: 514.148+/-0.089 χ^2/NDF:1118865.8/20

\+ sign 563.484+/-0.082 χ^2/NDF: 4053167.3/38

All: 563.262+/-0.059 χ^2/NDF: 8225821.5/78

\- sign 563.031+/-0.084 χ^2/NDF: 4172639.4/39

dit_asym_sam_12345678_avg_mean vs Slug



Right In: 18.175+/-30.346 χ^2/NDF: 20.1/15

Left Out: 40.116+/-17.857 χ^2/NDF:18.2/22

Right Out: -43.146+/-30.707 χ^2/NDF: 27.7/18

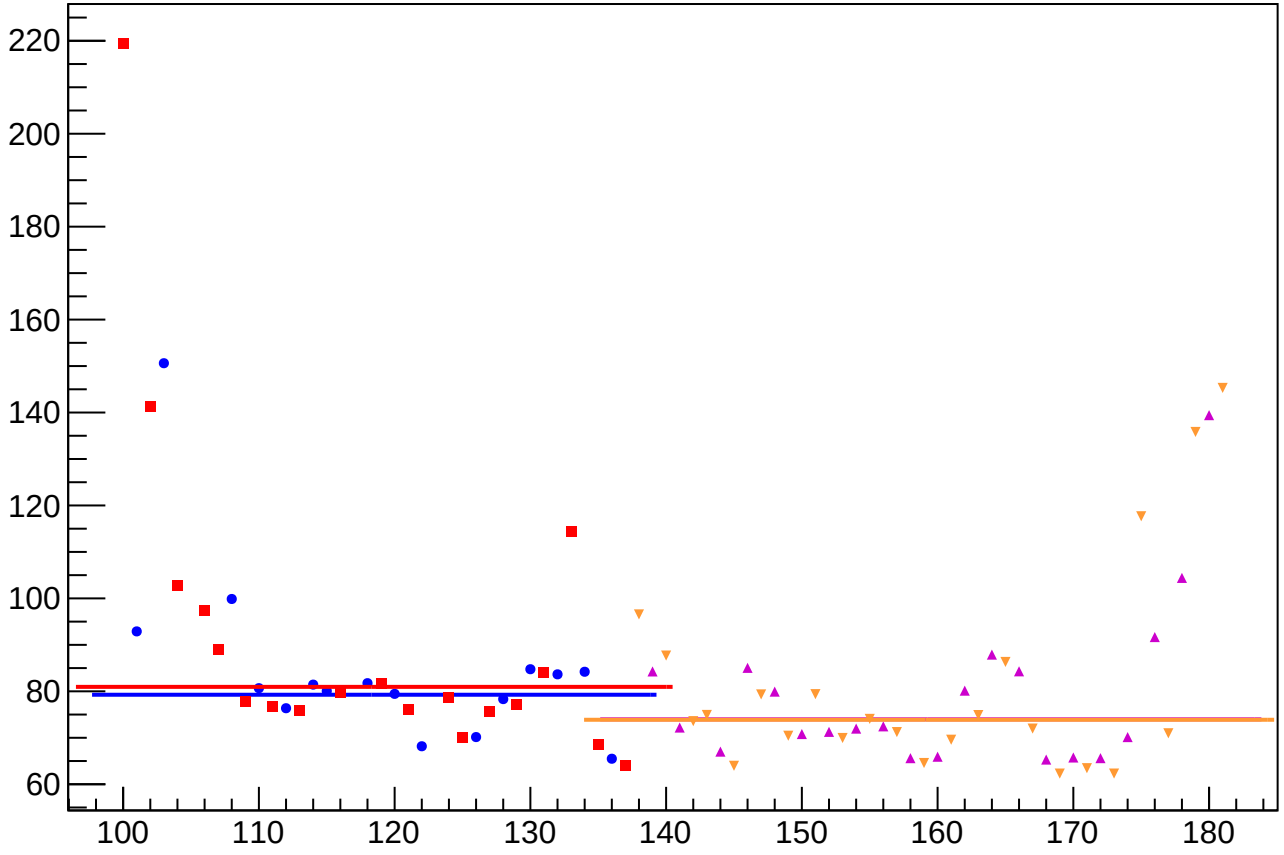
Left In: -62.548+/-18.356 χ^2/NDF:33.5/20

+ sign 34.473+/-15.390 χ^2/NDF: 38.8/38

All: -10.404+/-11.009 χ^2/NDF: 117.7/78

- sign -57.440+/-15.756 χ^2/NDF: 61.5/39

dit_asym_sam_12345678_avg_rms vs Slug



Right In: 79.263+/-0.021 χ^2/NDF: 444951.1/15

Left Out: 73.877+/-0.013 χ^2/NDF:1314540.3/22

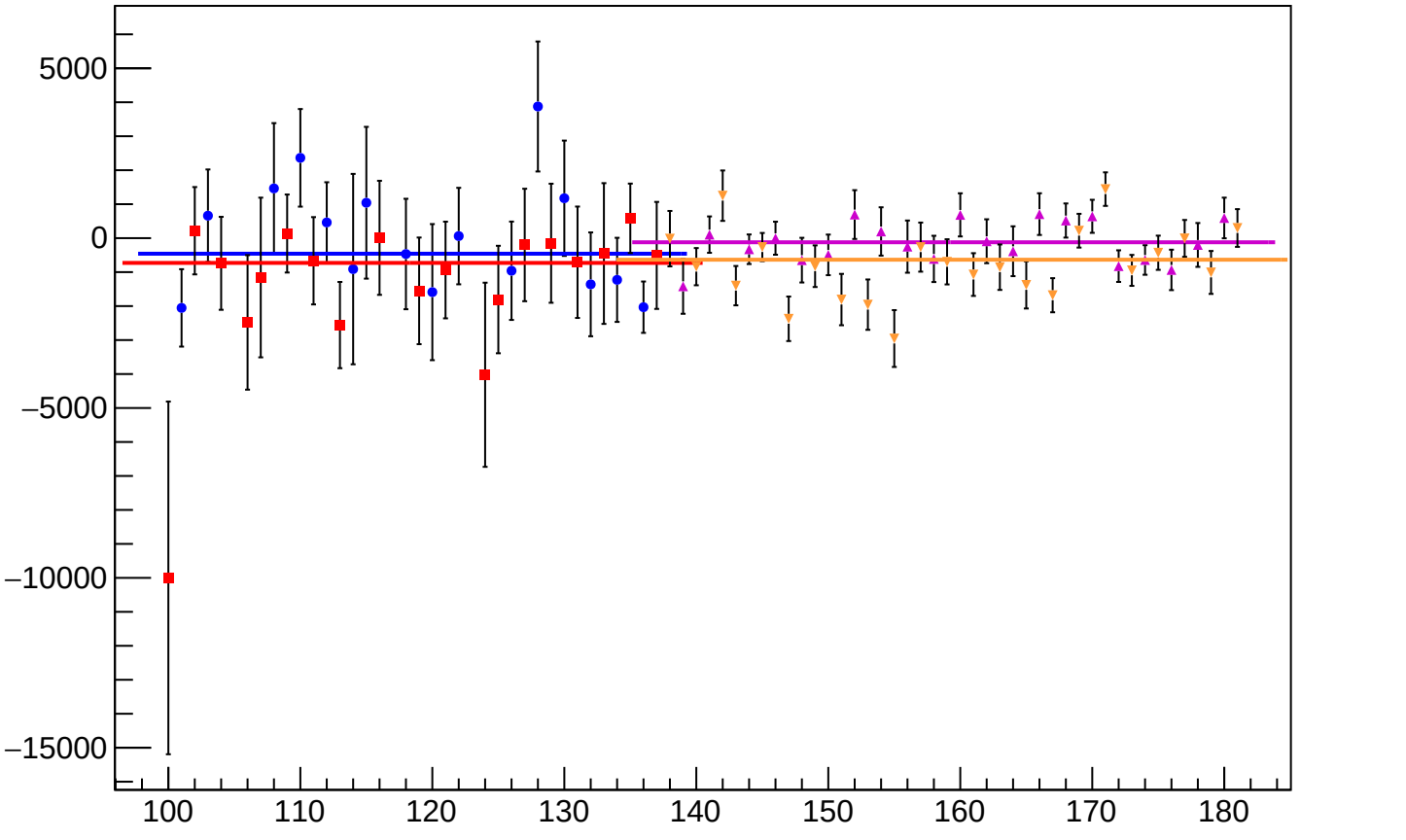
Right Out: 80.958+/-0.022 χ^2/NDF: 514182.4/18

Left In: 73.974+/-0.013 χ^2/NDF:832917.1/20

+ sign 75.262+/-0.011 χ^2/NDF: 1806285.2/38

All: 75.531+/-0.008 χ^2/NDF: 3230852.6/78

- sign 75.813+/-0.011 χ^2/NDF: 1423317.6/39



Right In: -458.108+/-350.075 χ^2/NDF: 20.3/15

Left Out: -634.891+/-122.643 χ^2/NDF:62.3/22

Right Out: -728.750+/-352.574 χ^2/NDF: 11.5/18

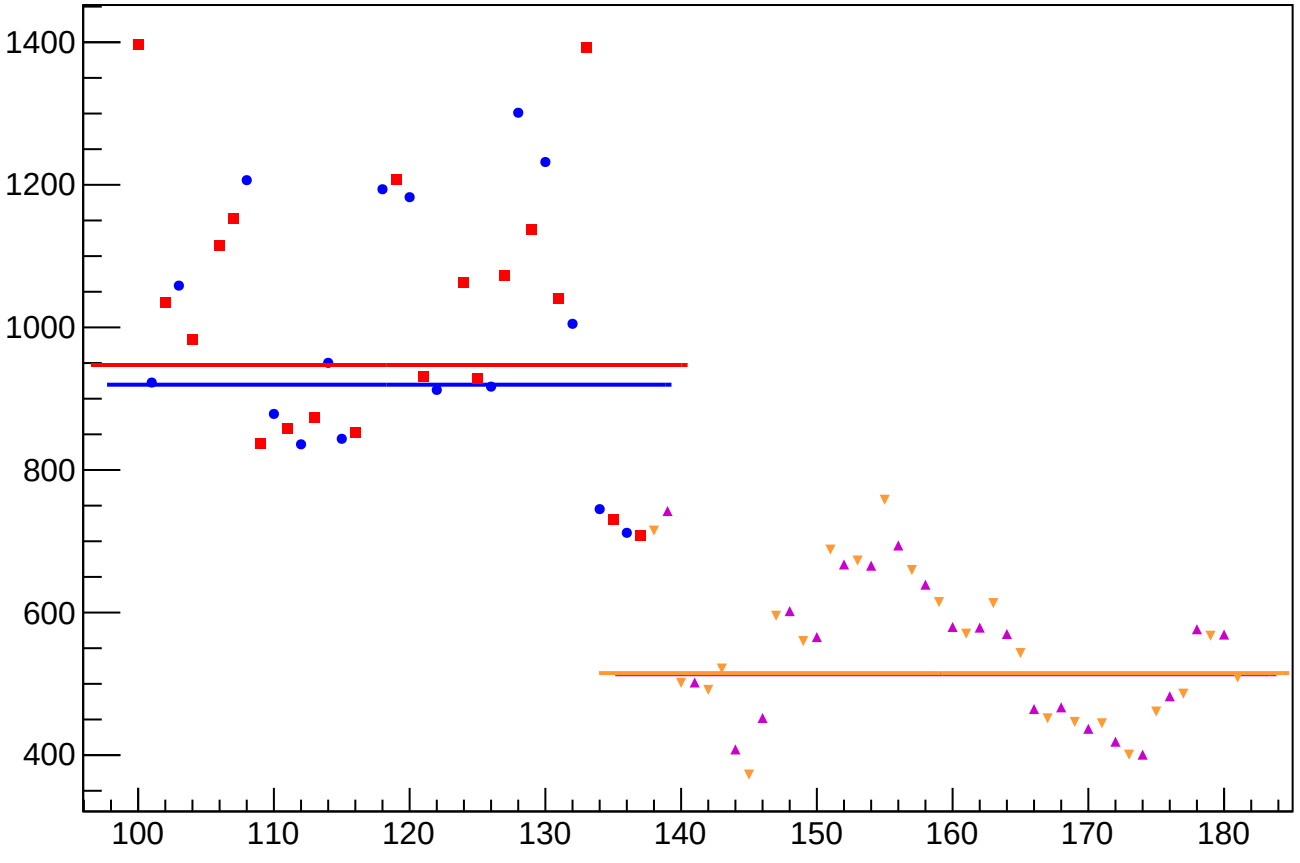
Left In: -121.650+/-126.103 χ^2/NDF:20.8/20

+ sign -615.565+/-115.746 χ^2/NDF: 82.8/38

All: -408.455+/-82.882 χ^2/NDF: 124.3/78

- sign -190.504+/-118.737 χ^2/NDF: 34.9/39

asym_sam_12345678_avg_dit_correction_rms vs Slug



Right In: 919.638+/-0.248 χ^2/NDF: 515443.8/15

Left Out: 515.058+/-0.087 χ^2/NDF:1230811.6/22

Right Out: 947.272+/-0.249 χ^2/NDF: 425563.8/18

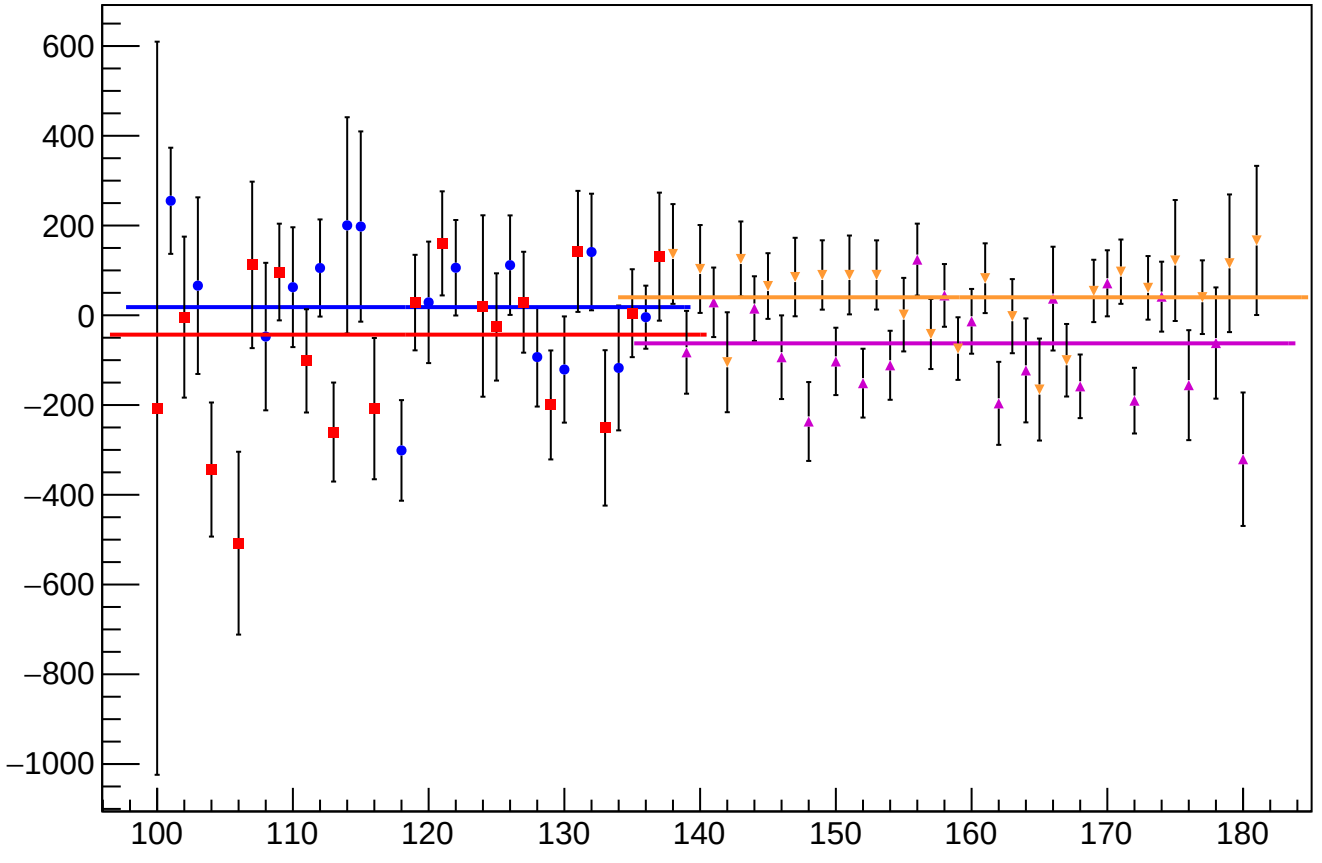
Left In: 513.460+/-0.089 χ^2/NDF:1115780.4/20

+ sign 559.286+/-0.082 χ^2/NDF: 4125505.7/38

All: 560.930+/-0.059 χ^2/NDF: 8352122.9/78

- sign 562.660+/-0.084 χ^2/NDF: 4225788.8/39

eigen_dit_asym_sam_12345678_avg_mean vs Slug



Right In: 18.175+/-30.346 χ^2/NDF: 20.1/15

Left Out: 40.116+/-17.857 χ^2/NDF:18.2/22

Right Out: -43.144+/-30.707 χ^2/NDF: 27.7/18

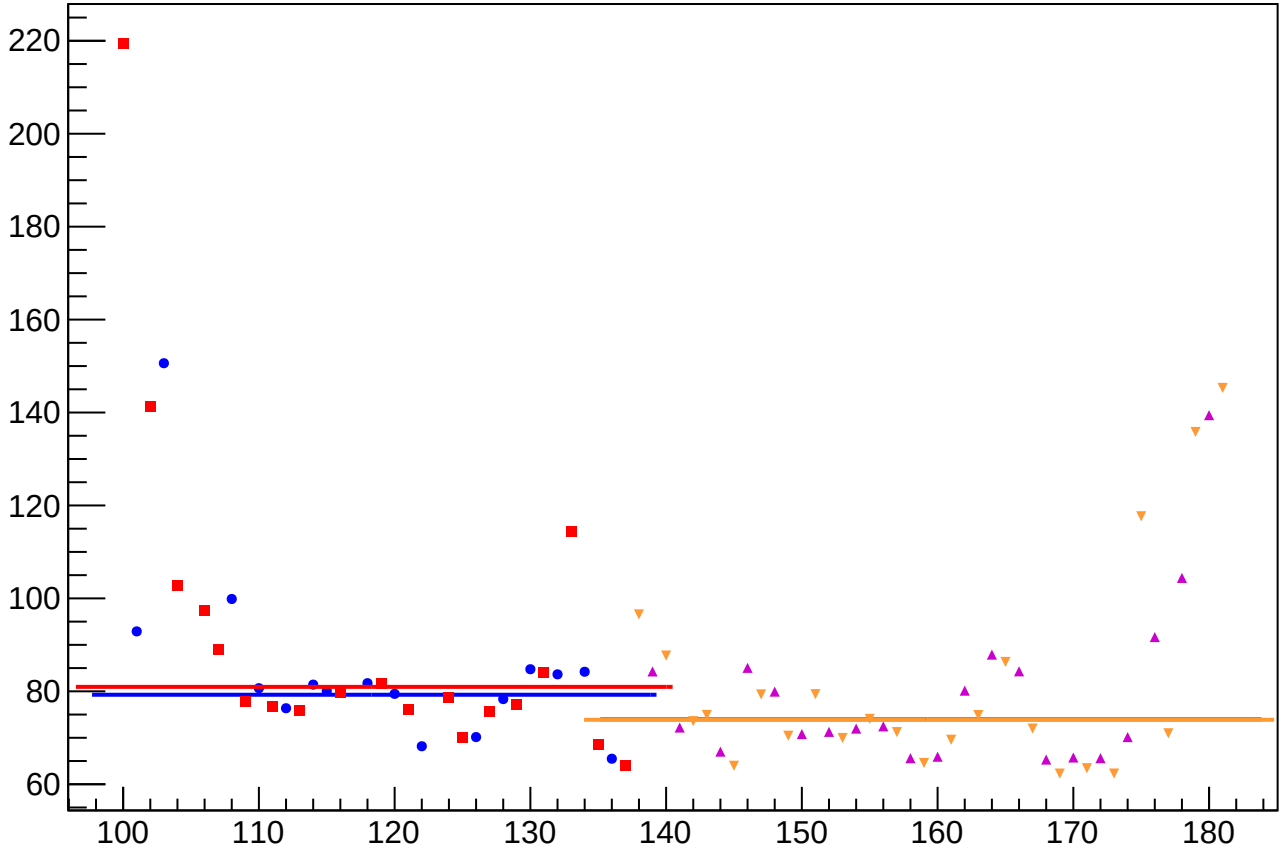
Left In: -62.547+/-18.356 χ^2/NDF:33.5/20

+ sign 34.473+/-15.390 χ^2/NDF: 38.8/38

All: -10.404+/-11.009 χ^2/NDF: 117.7/78

- sign -57.439+/-15.756 χ^2/NDF: 61.5/39

eigen_dit_asym_sam_12345678_avg_rms vs Slug



Right In: 79.263+/-0.021 χ^2/NDF: 444948.4/15

Left Out: 73.878+/-0.013 χ^2/NDF:1314540.4/22

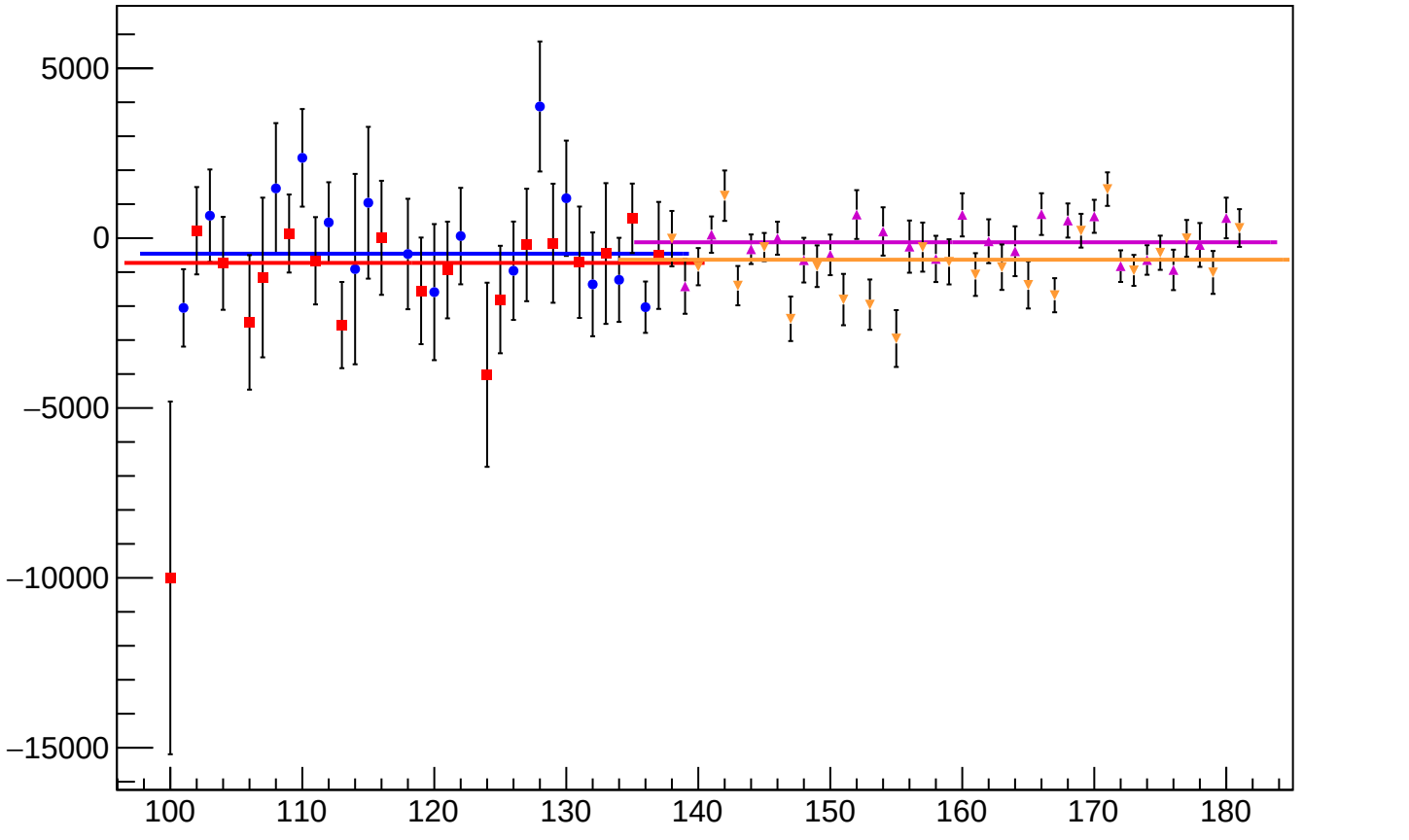
Right Out: 80.958+/-0.022 χ^2/NDF: 514191.2/18

Left In: 73.975+/-0.013 χ^2/NDF:832903.7/20

+ sign 75.263+/-0.011 χ^2/NDF: 1806274.8/38

All: 75.531+/-0.008 χ^2/NDF: 3230828.2/78

- sign 75.813+/-0.011 χ^2/NDF: 1423303.4/39



Right In: -458.104+/-350.074 χ^2/NDF: 20.3/15

Left Out: -634.890+/-122.643 χ^2/NDF:62.3/22

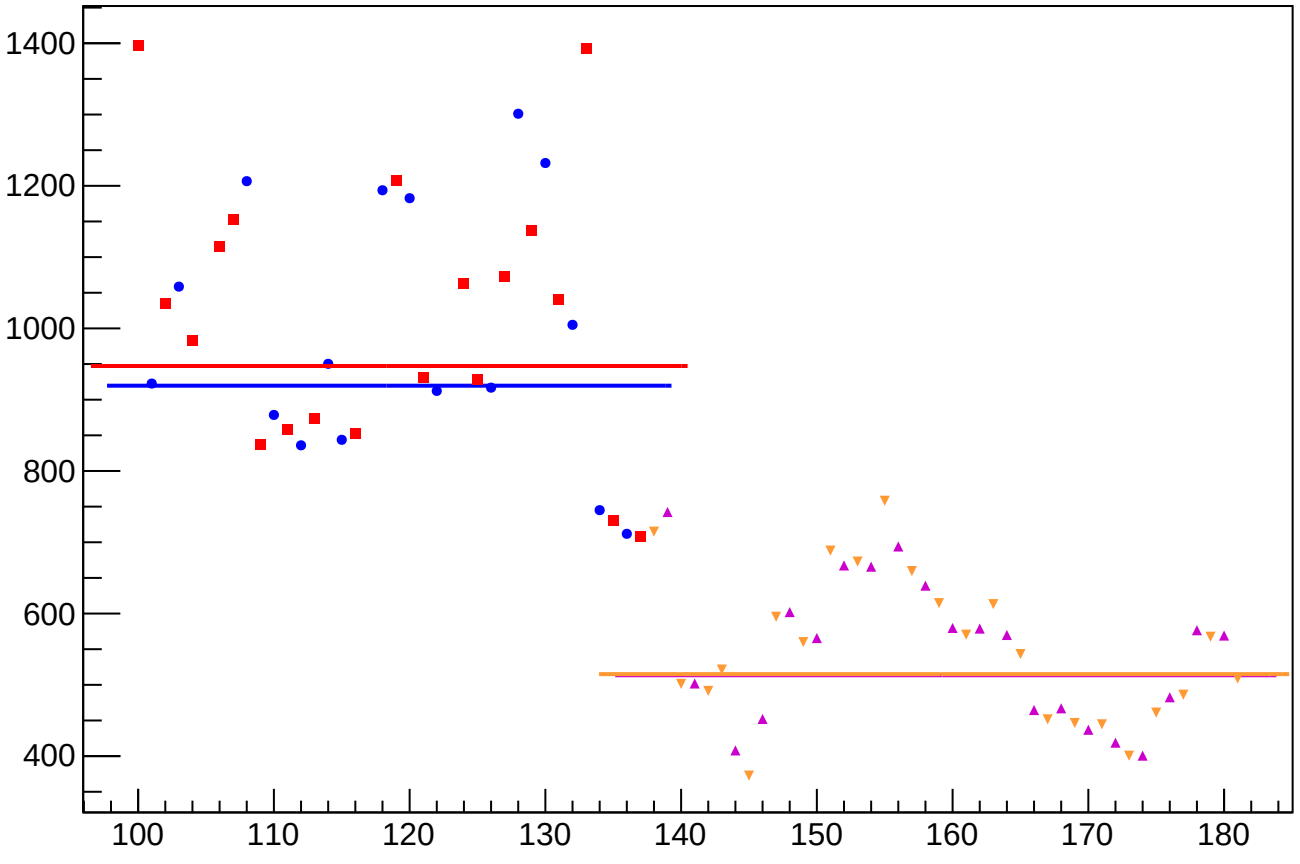
Right Out: -728.749+/-352.573 χ^2/NDF: 11.5/18

Left In: -121.649+/-126.102 χ^2/NDF:20.8/20

+ sign -615.564+/-115.746 χ^2/NDF: 82.8/38

All: -408.454+/-82.882 χ^2/NDF: 124.3/78

- sign -190.503+/-118.736 χ^2/NDF: 34.9/39



Right In: 919.636+/-0.248 χ^2/NDF: 515443.9/15

Left Out: 515.057+/-0.087 χ^2/NDF:1230813.9/22

Right Out: 947.270+/-0.249 χ^2/NDF: 425565.2/18

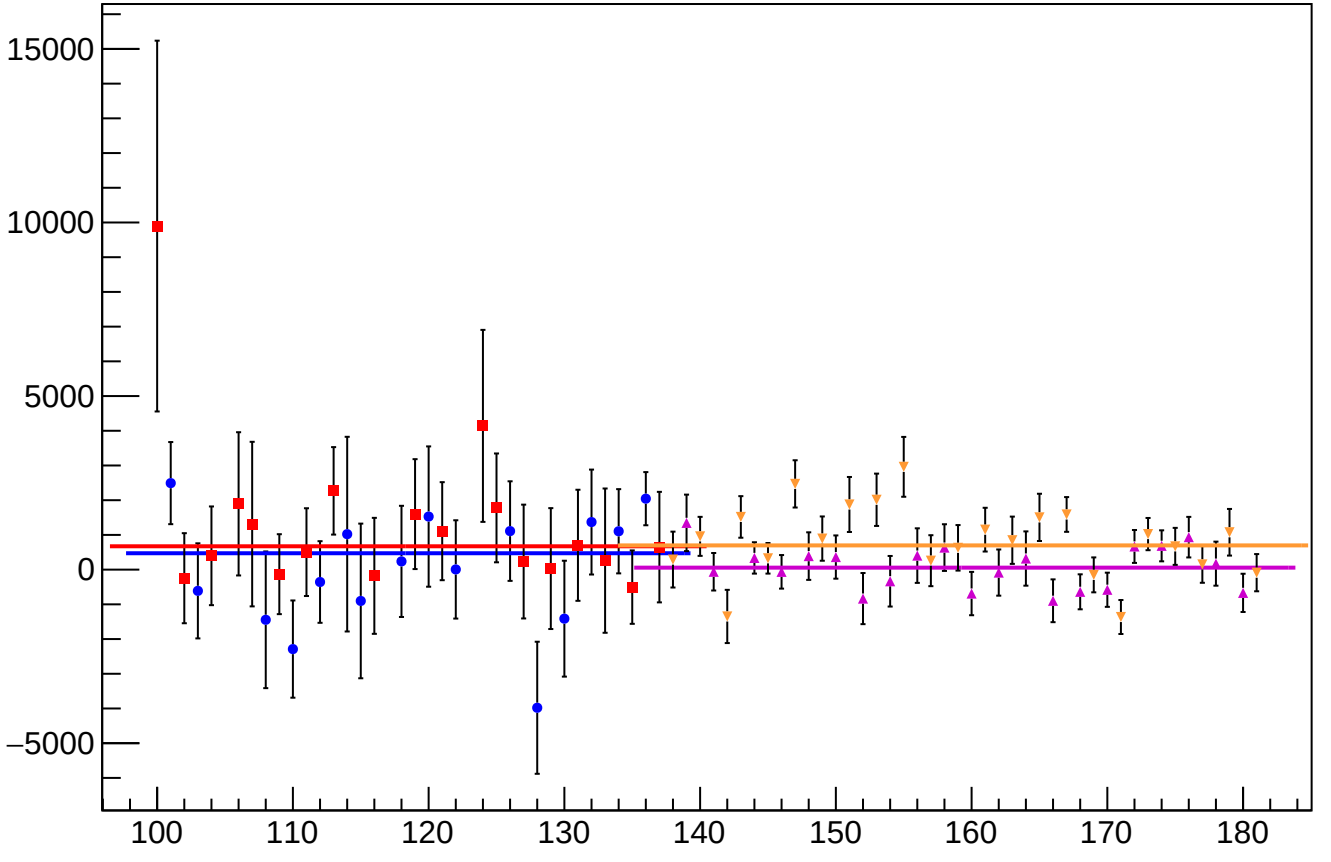
Left In: 513.459+/-0.089 χ^2/NDF:1115778.6/20

+ sign 559.285+/-0.082 χ^2/NDF: 4125506.3/38

All: 560.929+/-0.059 χ^2/NDF: 8352118.9/78

- sign 562.659+/-0.084 χ^2/NDF: 4225784.2/39

asym_sam_12345678_avg_mean vs Slug



Right In: 472.014+/-350.376 χ^2/NDF: 21.5/15

Left Out: 697.914+/-124.760 χ^2/NDF:59.4/22

Right Out: 672.537+/-354.512 χ^2/NDF: 10.3/18

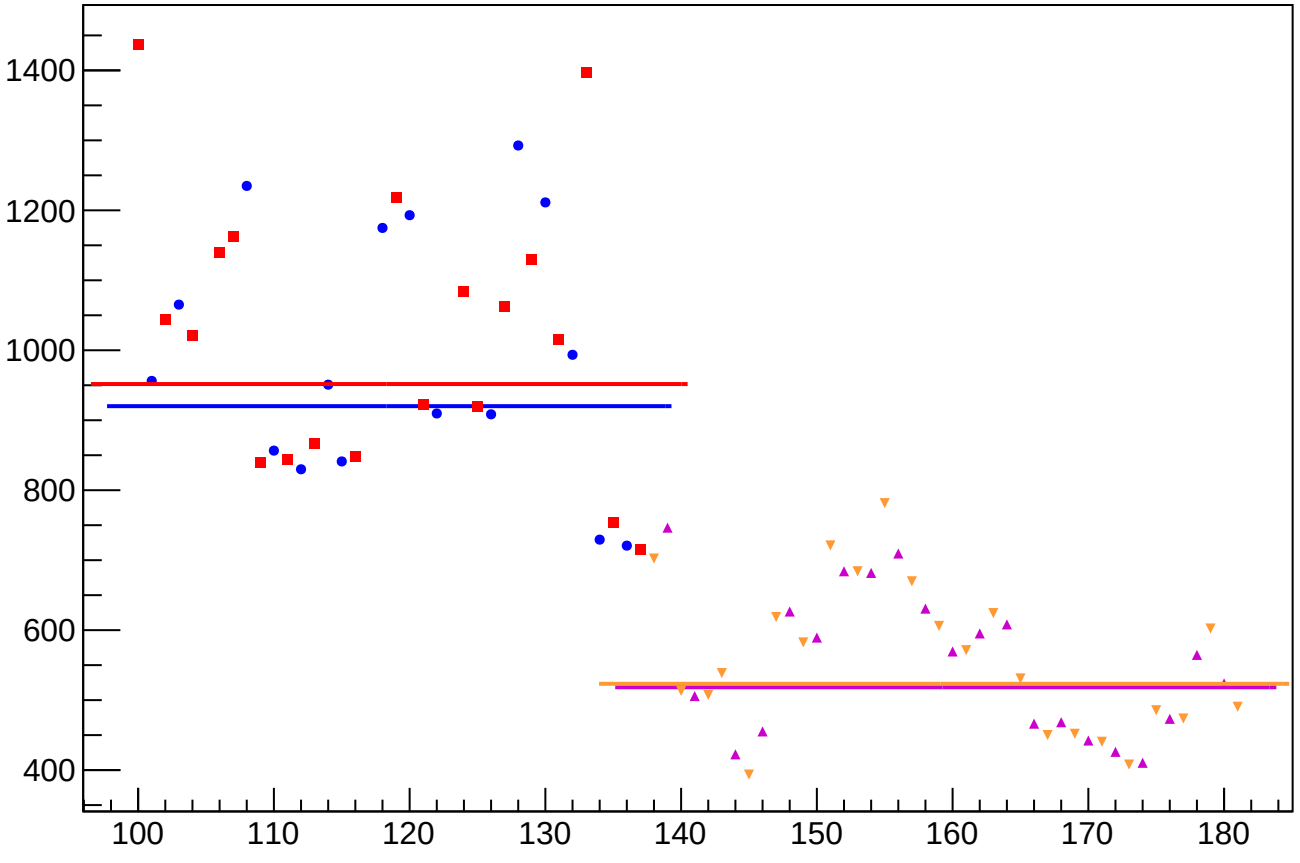
Left In: 57.054+/-127.279 χ^2/NDF:21.4/20

+ sign 672.495+/-117.532 χ^2/NDF: 81.2/38

All: 405.104+/-83.895 χ^2/NDF: 126.2/78

- sign 127.330+/-119.792 χ^2/NDF: 34.4/39

asym_sam_12345678_avg_rms vs Slug



Right In: 920.125+/-0.248 χ^2/NDF: 508678.6/15

Left Out: 523.352+/-0.088 χ^2/NDF:1221139.1/22

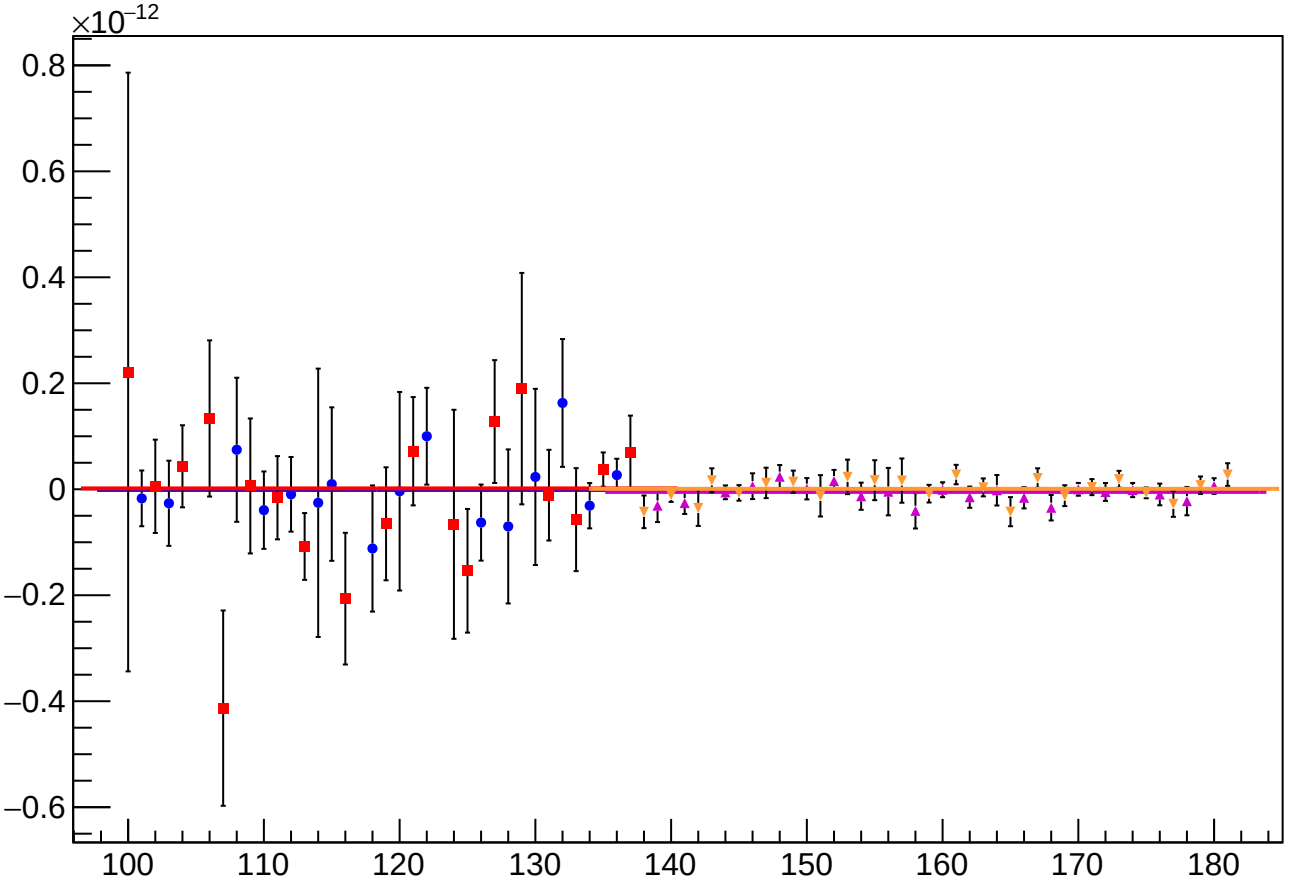
Right Out: 951.726+/-0.251 χ^2/NDF: 416116.3/18

Left In: 518.393+/-0.090 χ^2/NDF:1098330.9/20

\+ sign 567.998+/-0.083 χ^2/NDF: 4005984.1/38

All: 567.936+/-0.059 χ^2/NDF: 8167454.3/78

\- sign 567.871+/-0.085 χ^2/NDF: 4161469.1/39



Right In: -0.000+/-0.000 χ^2/NDF: 7.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.7/22

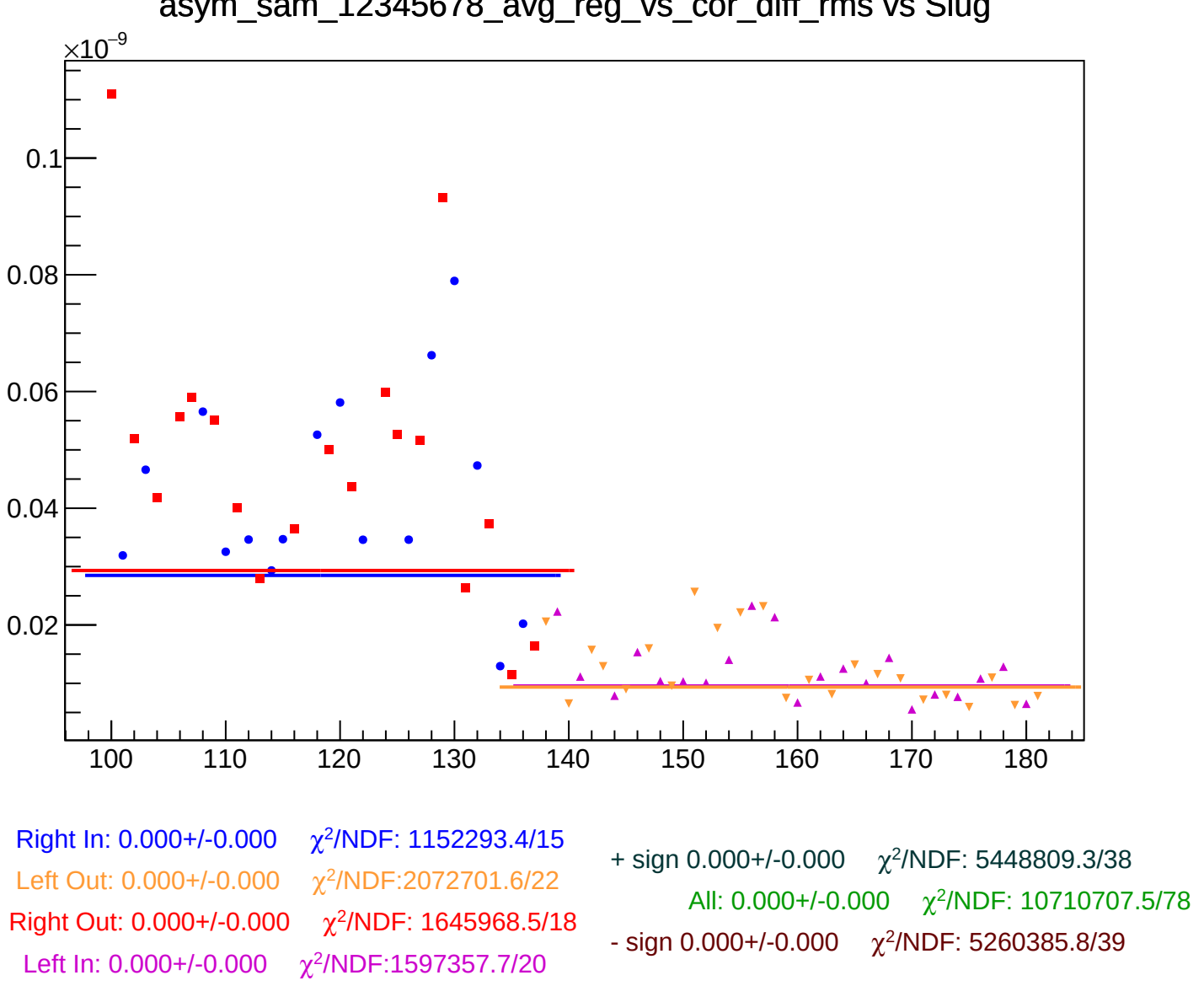
Right Out: 0.000+/-0.000 χ^2/NDF: 19.4/18

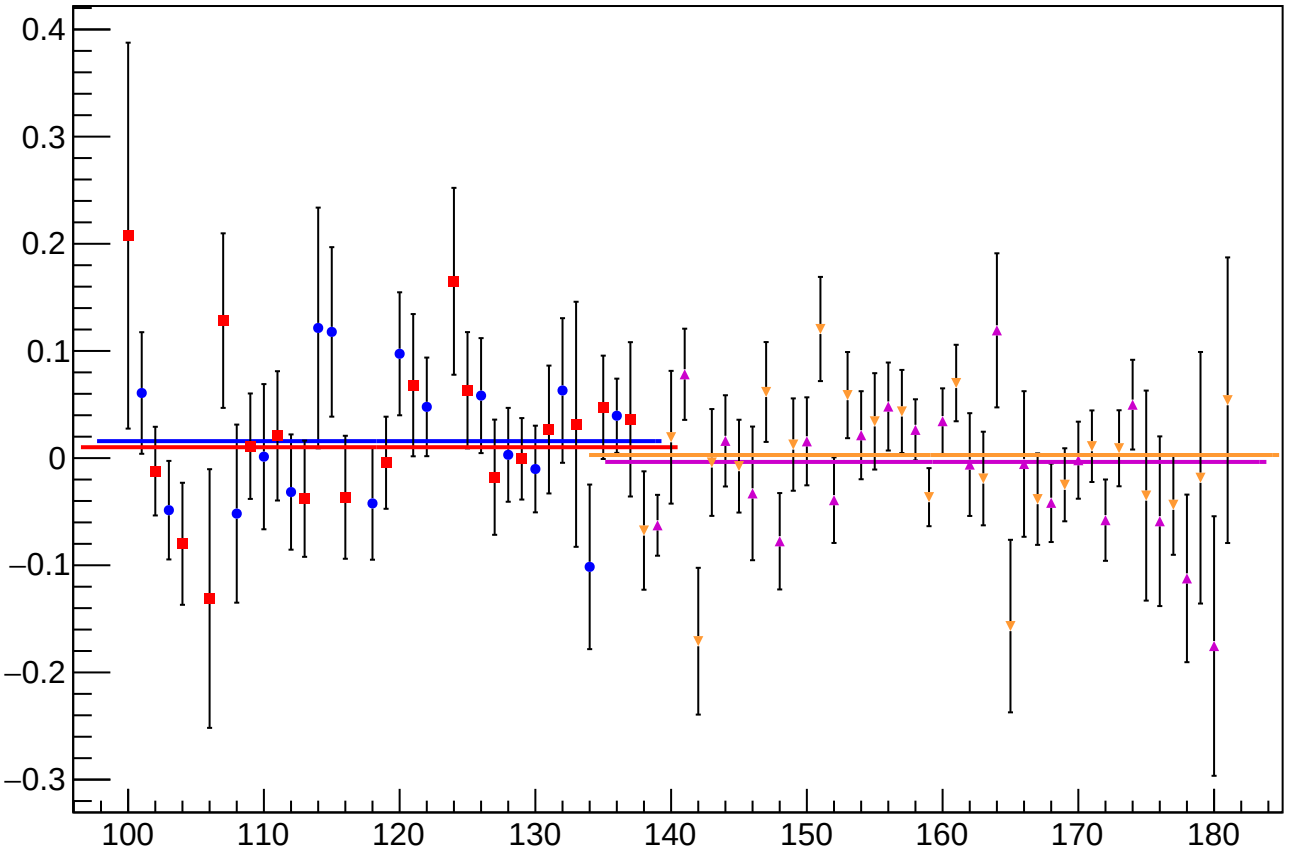
Left In: -0.000+/-0.000 χ^2/NDF:9.4/20

+ sign 0.000+/-0.000 χ^2/NDF: 24.8/38

All: -0.000+/-0.000 χ^2/NDF: 54.6/78

- sign -0.000+/-0.000 χ^2/NDF: 28.9/39


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:2072701.6/22
Right Out: 0.000+/-0.000 χ²/NDF: 1645968.5/18
Left In: 0.000+/-0.000 χ²/NDF:1597357.7/20
+ sign 0.000+/-0.000 χ²/NDF: 5448809.3/38
All: 0.000+/-0.000 χ²/NDF: 10710707.5/78
- sign 0.000+/-0.000 χ²/NDF: 5260385.8/39



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: 0.003+/-0.009 χ^2/NDF:32.1/22

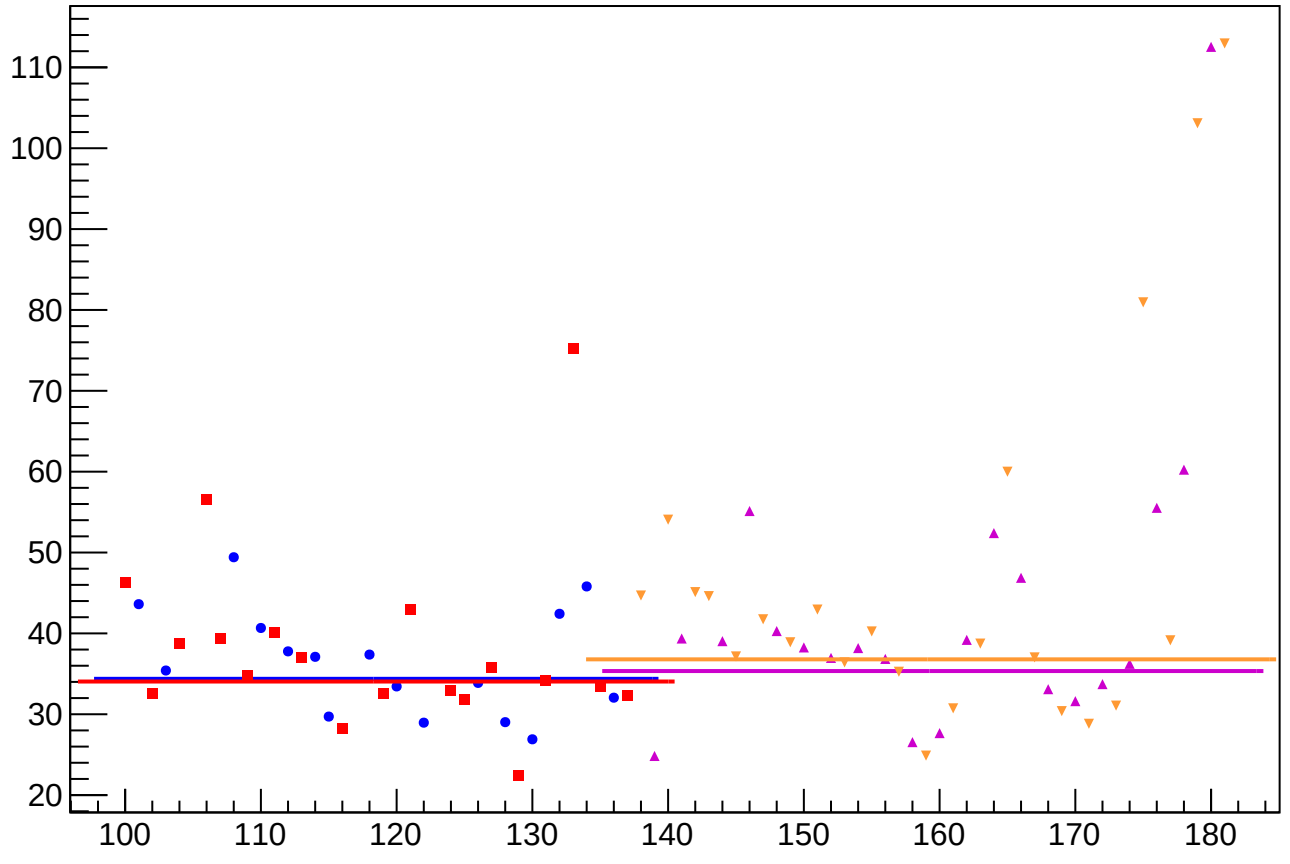
Right Out: 0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: -0.004+/-0.009 χ^2/NDF:28.9/20

+ sign 0.007+/-0.008 χ^2/NDF: 47.5/38

All: 0.004+/-0.005 χ^2/NDF: 92.6/78

- sign 0.001+/-0.008 χ^2/NDF: 44.8/39



Right In: 34.382+/-0.009 χ^2/NDF: 367883.0/15

Left Out: 36.790+/-0.007 χ^2/NDF:2902997.4/22

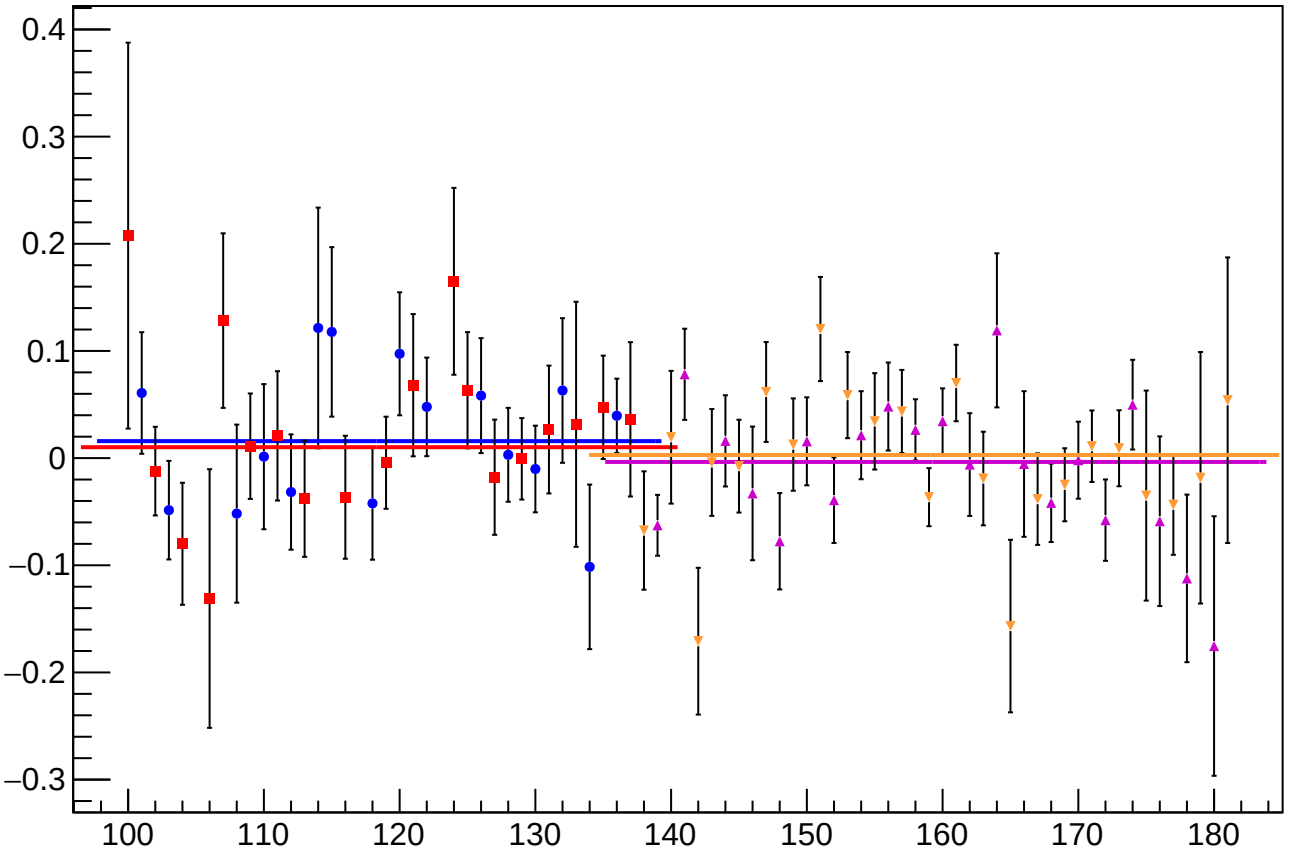
Right Out: 34.047+/-0.009 χ^2/NDF: 642697.3/18

Left In: 35.343+/-0.007 χ^2/NDF:2235433.7/20

+ sign 36.007+/-0.005 χ^2/NDF: 3314489.3/38

All: 35.456+/-0.004 χ^2/NDF: 6226059.6/78

- sign 34.920+/-0.005 χ^2/NDF: 2891086.0/39



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: 0.003+/-0.009 χ^2/NDF:32.1/22

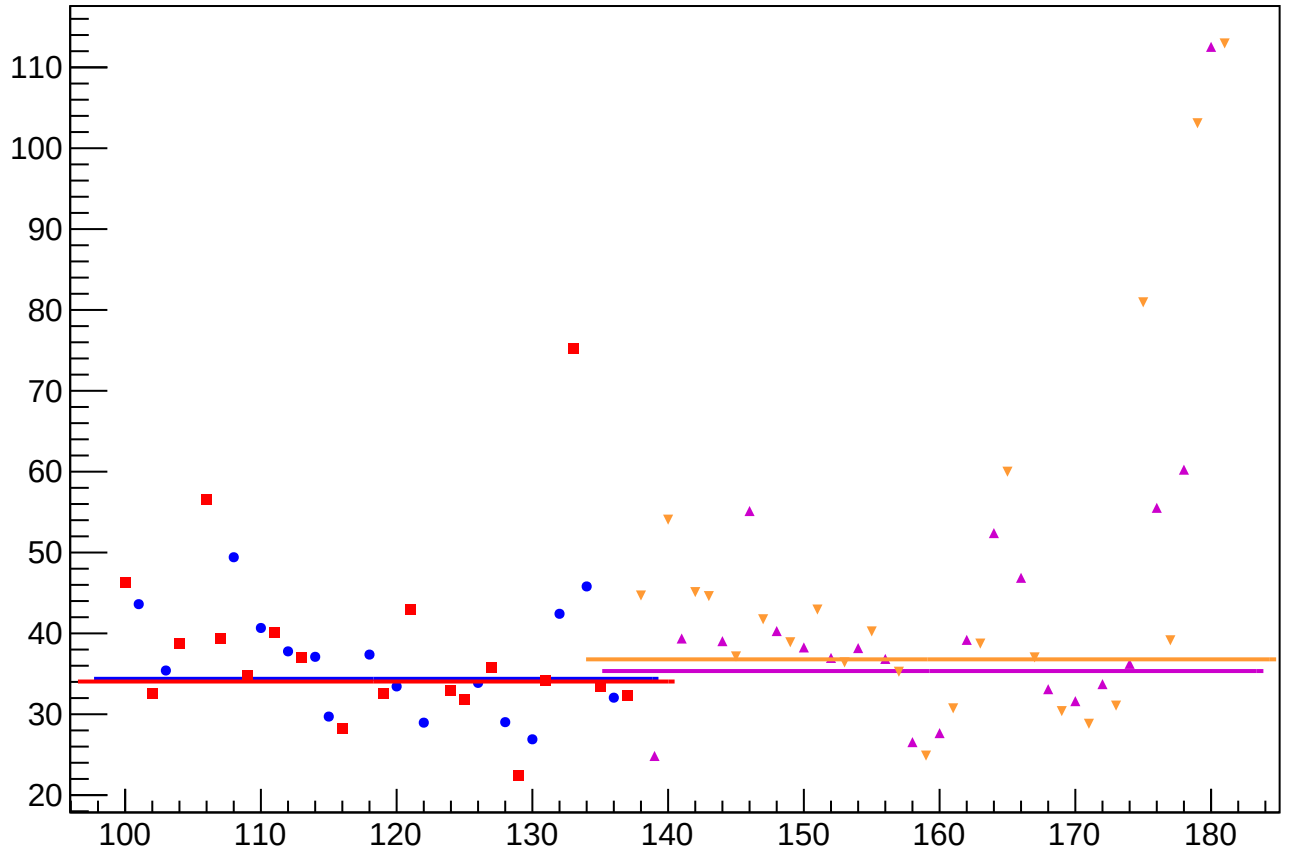
Right Out: 0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: -0.004+/-0.009 χ^2/NDF:28.9/20

+ sign 0.007+/-0.008 χ^2/NDF: 47.5/38

All: 0.004+/-0.005 χ^2/NDF: 92.6/78

- sign 0.001+/-0.008 χ^2/NDF: 44.8/39



Right In: 34.382+/-0.009 χ^2/NDF: 367883.0/15

Left Out: 36.790+/-0.007 χ^2/NDF:2902997.4/22

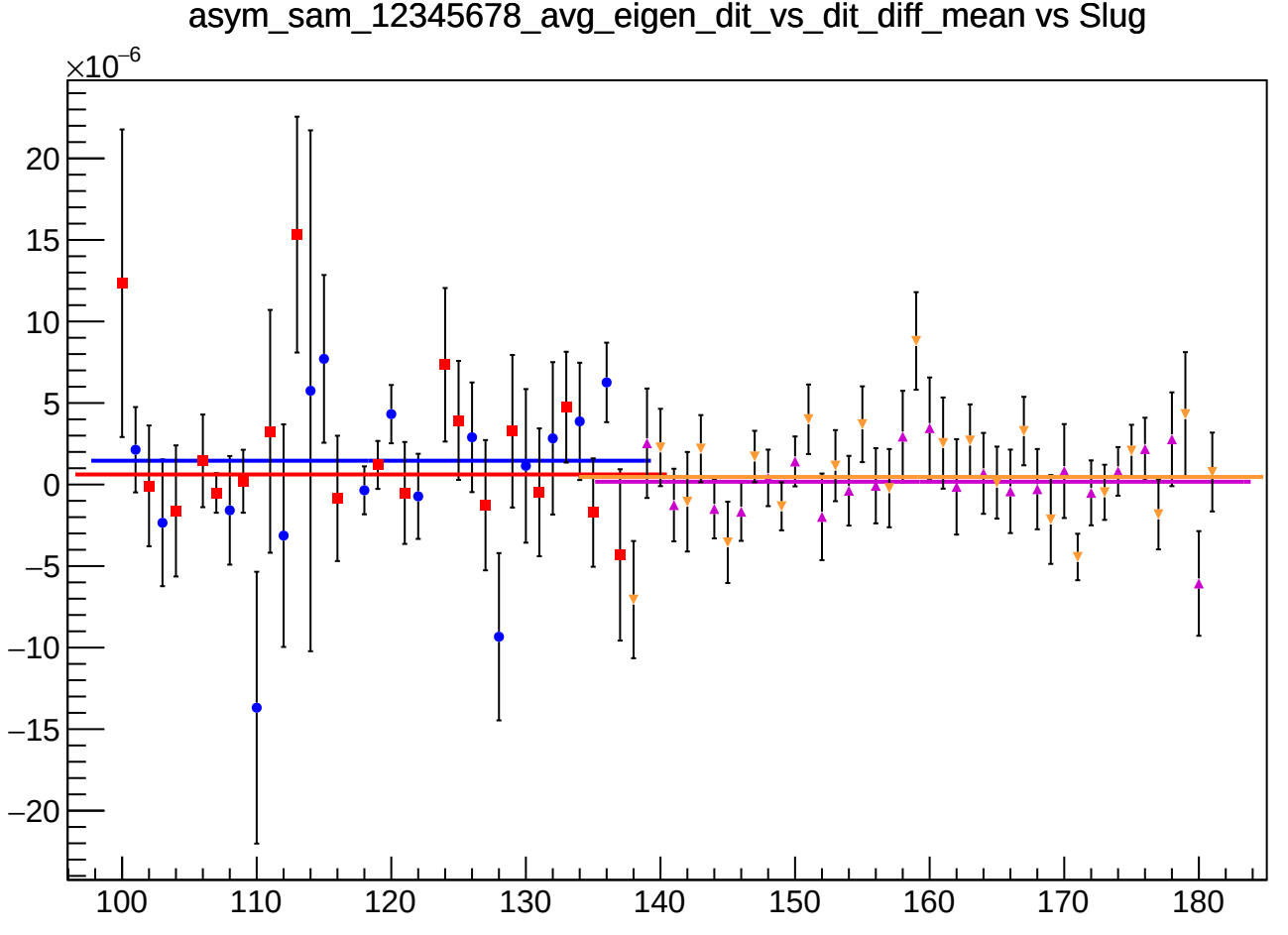
Right Out: 34.047+/-0.009 χ^2/NDF: 642697.3/18

Left In: 35.343+/-0.007 χ^2/NDF:2235433.7/20

+ sign 36.007+/-0.005 χ^2/NDF: 3314489.3/38

All: 35.456+/-0.004 χ^2/NDF: 6226059.6/78

- sign 34.920+/-0.005 χ^2/NDF: 2891086.0/39



Right In: 0.000+/-0.000 χ^2/NDF: 21.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:42.9/22

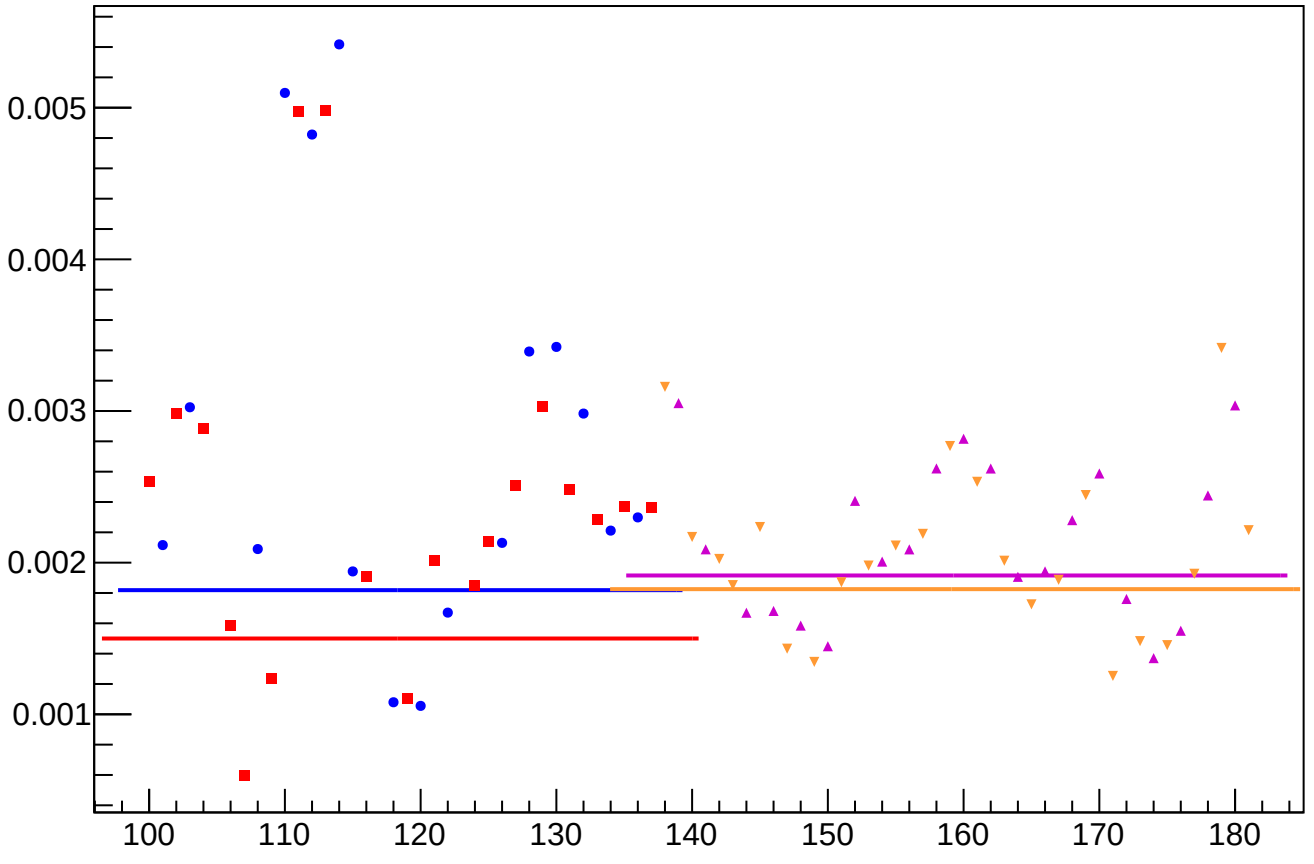
Right Out: 0.000+/-0.000 χ^2/NDF: 13.9/18

Left In: 0.000+/-0.000 χ^2/NDF:12.5/20

+ sign 0.000+/-0.000 χ^2/NDF: 65.2/38

All: 0.000+/-0.000 χ^2/NDF: 92.5/78

- sign 0.000+/-0.000 χ^2/NDF: 26.8/39



Right In: 0.002+/-0.000 χ^2/NDF: 2570250.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:2174019.8/22

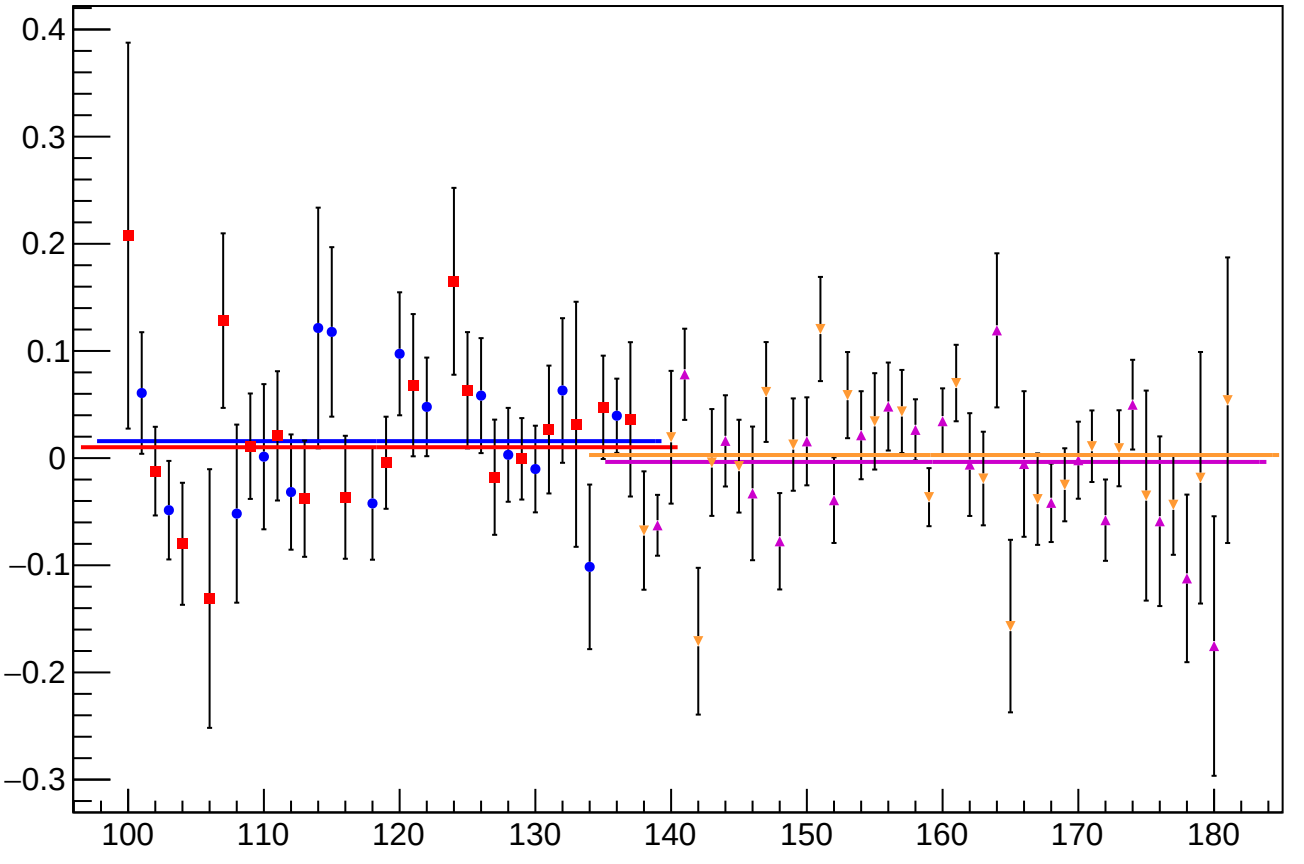
Right Out: 0.001+/-0.000 χ^2/NDF: 3689451.2/18

Left In: 0.002+/-0.000 χ^2/NDF:1882823.2/20

+ sign 0.002+/-0.000 χ^2/NDF: 4744385.9/38

All: 0.002+/-0.000 χ^2/NDF: 10871588.5/78

- sign 0.002+/-0.000 χ^2/NDF: 6106196.6/39



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: 0.003+/-0.009 χ^2/NDF:32.1/22

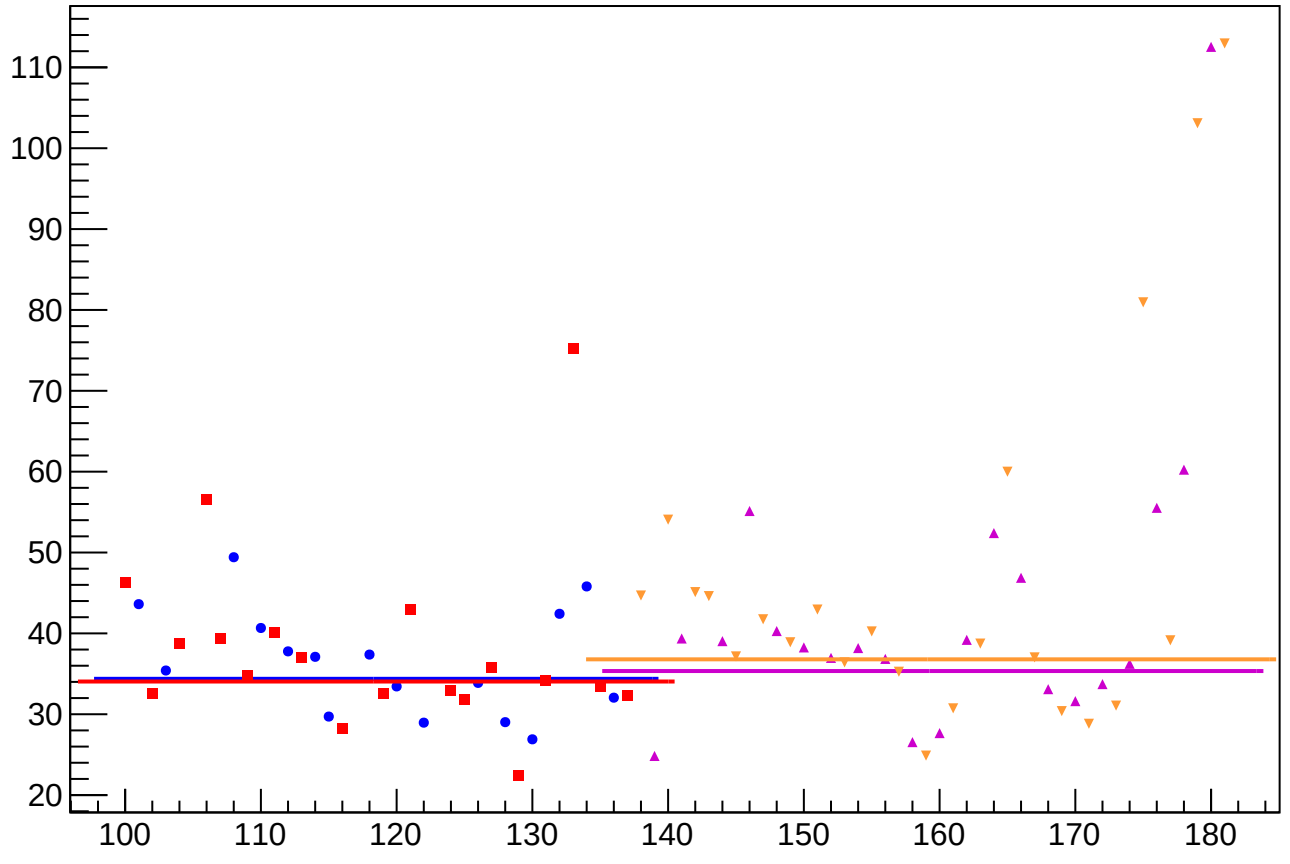
Right Out: 0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: -0.004+/-0.009 χ^2/NDF:28.9/20

+ sign 0.007+/-0.008 χ^2/NDF: 47.5/38

All: 0.004+/-0.005 χ^2/NDF: 92.6/78

- sign 0.001+/-0.008 χ^2/NDF: 44.8/39



Right In: 34.381+/-0.009 χ^2/NDF: 367940.1/15

Left Out: 36.790+/-0.007 χ^2/NDF:2903053.6/22

Right Out: 34.047+/-0.009 χ^2/NDF: 642741.5/18

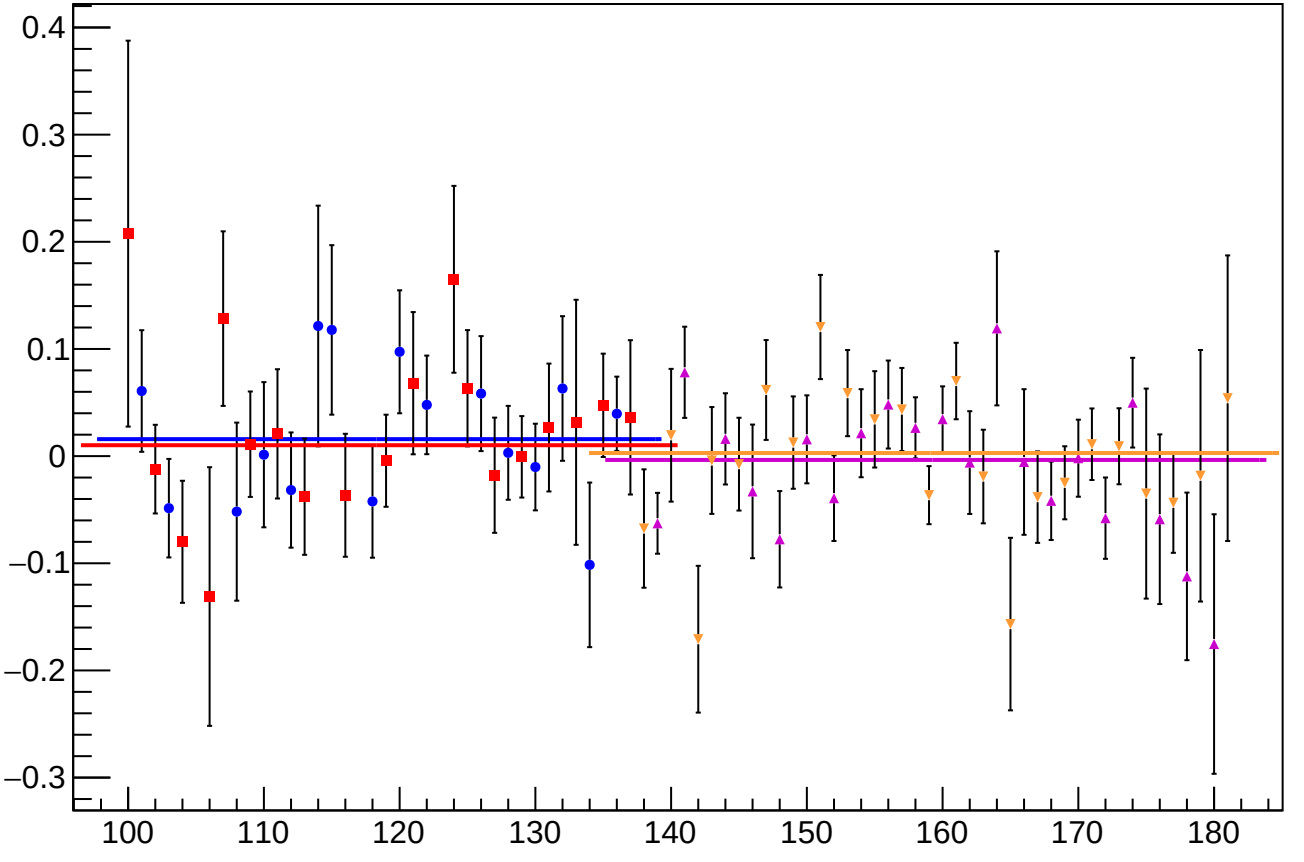
Left In: 35.343+/-0.007 χ^2/NDF:2235457.1/20

+ sign 36.006+/-0.005 χ^2/NDF: 3314638.1/38

All: 35.456+/-0.004 χ^2/NDF: 6226286.6/78

- sign 34.920+/-0.005 χ^2/NDF: 2891170.2/39

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:32.1/22

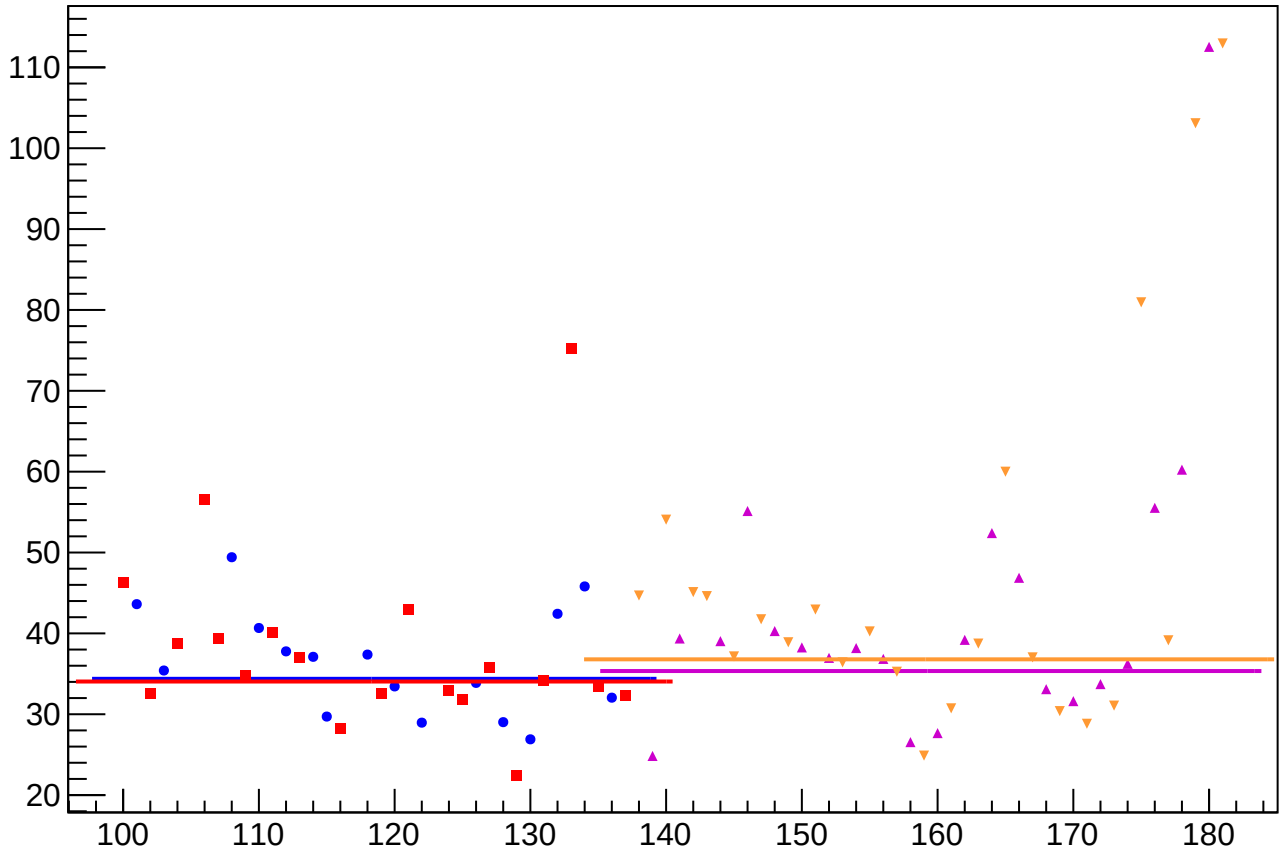
Right Out: 0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: -0.004+/-0.009 χ^2/NDF:28.9/20

+ sign 0.007+/-0.008 χ^2/NDF: 47.5/38

All: 0.004+/-0.005 χ^2/NDF: 92.6/78

- sign 0.001+/-0.008 χ^2/NDF: 44.8/39



Right In: 34.381+/-0.009 χ^2/NDF: 367940.1/15

Left Out: 36.790+/-0.007 χ^2/NDF:2903053.6/22

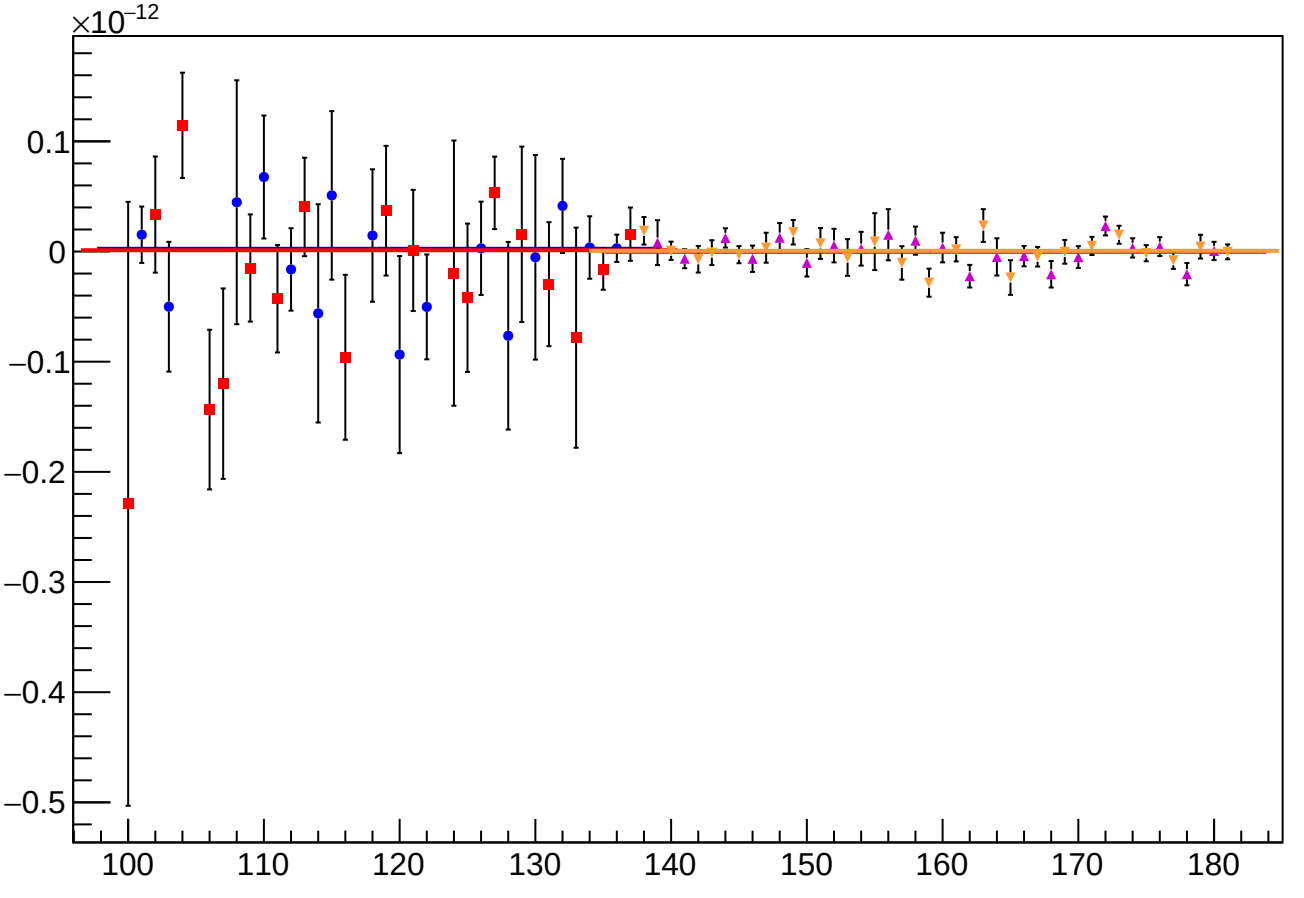
Right Out: 34.047+/-0.009 χ^2/NDF: 642741.5/18

Left In: 35.343+/-0.007 χ^2/NDF:2235457.1/20

+ sign 36.006+/-0.005 χ^2/NDF: 3314638.1/38

All: 35.456+/-0.004 χ^2/NDF: 6226286.6/78

- sign 34.920+/-0.005 χ^2/NDF: 2891170.2/39



Right In: 0.000+/-0.000 χ^2/NDF: 7.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:21.2/22

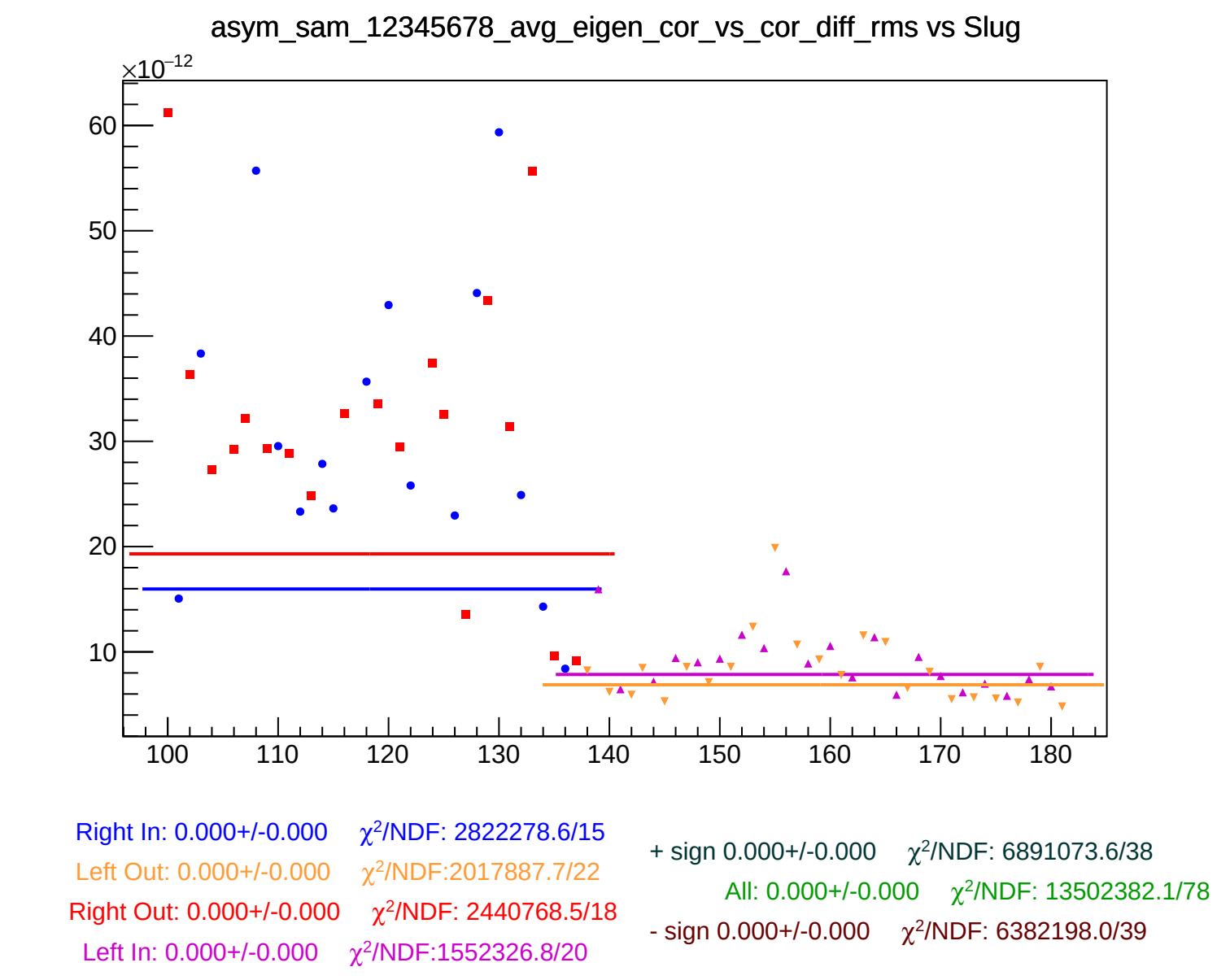
Right Out: 0.000+/-0.000 χ^2/NDF: 21.5/18

Left In: -0.000+/-0.000 χ^2/NDF:25.9/20

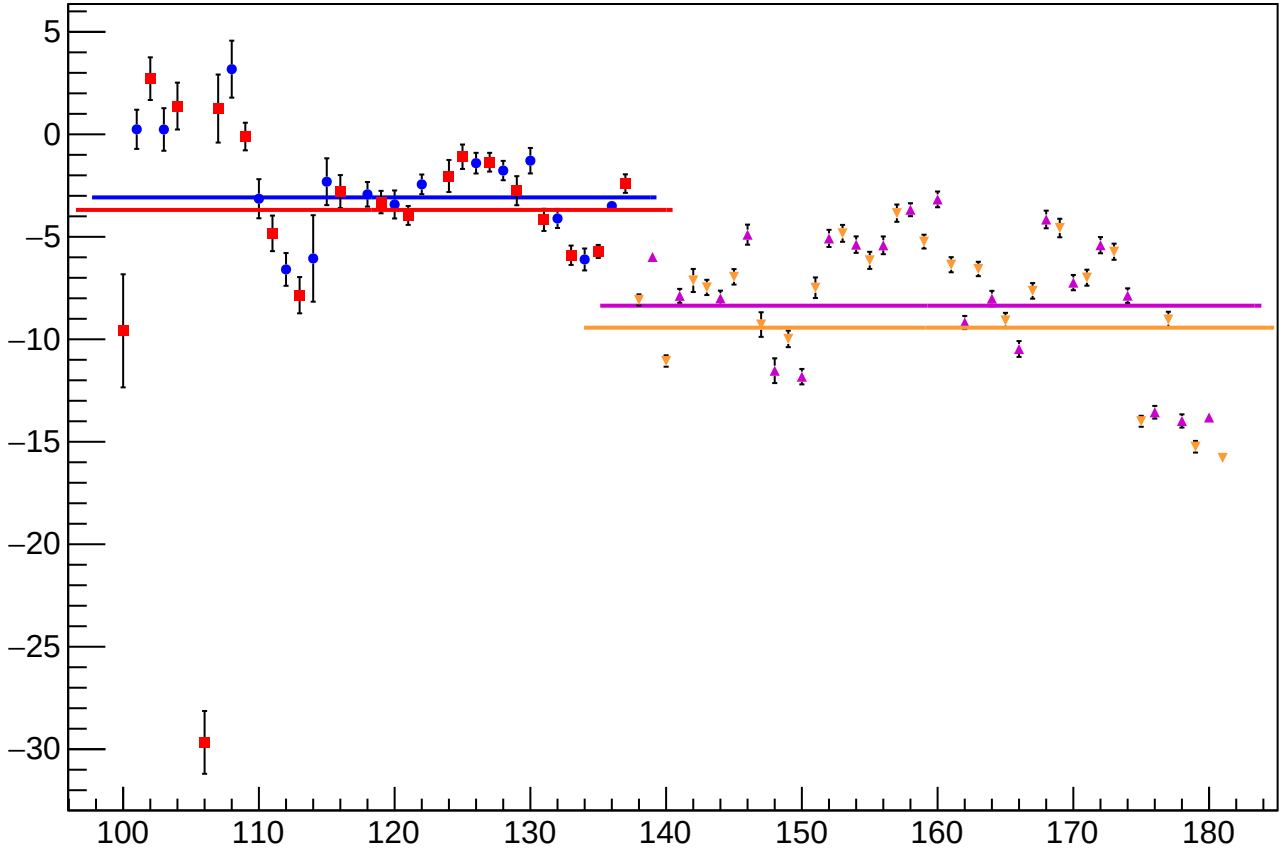
+ sign 0.000+/-0.000 χ^2/NDF: 29.0/38

All: 0.000+/-0.000 χ^2/NDF: 76.5/78

- sign -0.000+/-0.000 χ^2/NDF: 47.5/39


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:2017887.7/22
Right Out: 0.000+/-0.000 χ²/NDF: 2440768.5/18
Left In: 0.000+/-0.000 χ²/NDF:1552326.8/20
+ sign 0.000+/-0.000 χ²/NDF: 6891073.6/38
All: 0.000+/-0.000 χ²/NDF: 13502382.1/78
- sign 0.000+/-0.000 χ²/NDF: 6382198.0/39

reg_asym_sam1_diff_bpm1X_slope vs Slug



Right In: -3.077+/-0.135 χ^2/NDF: 133.8/15

Left Out: -9.433+/-0.073 χ^2/NDF:2726.9/22

Right Out: -3.687+/-0.140 χ^2/NDF: 534.8/18

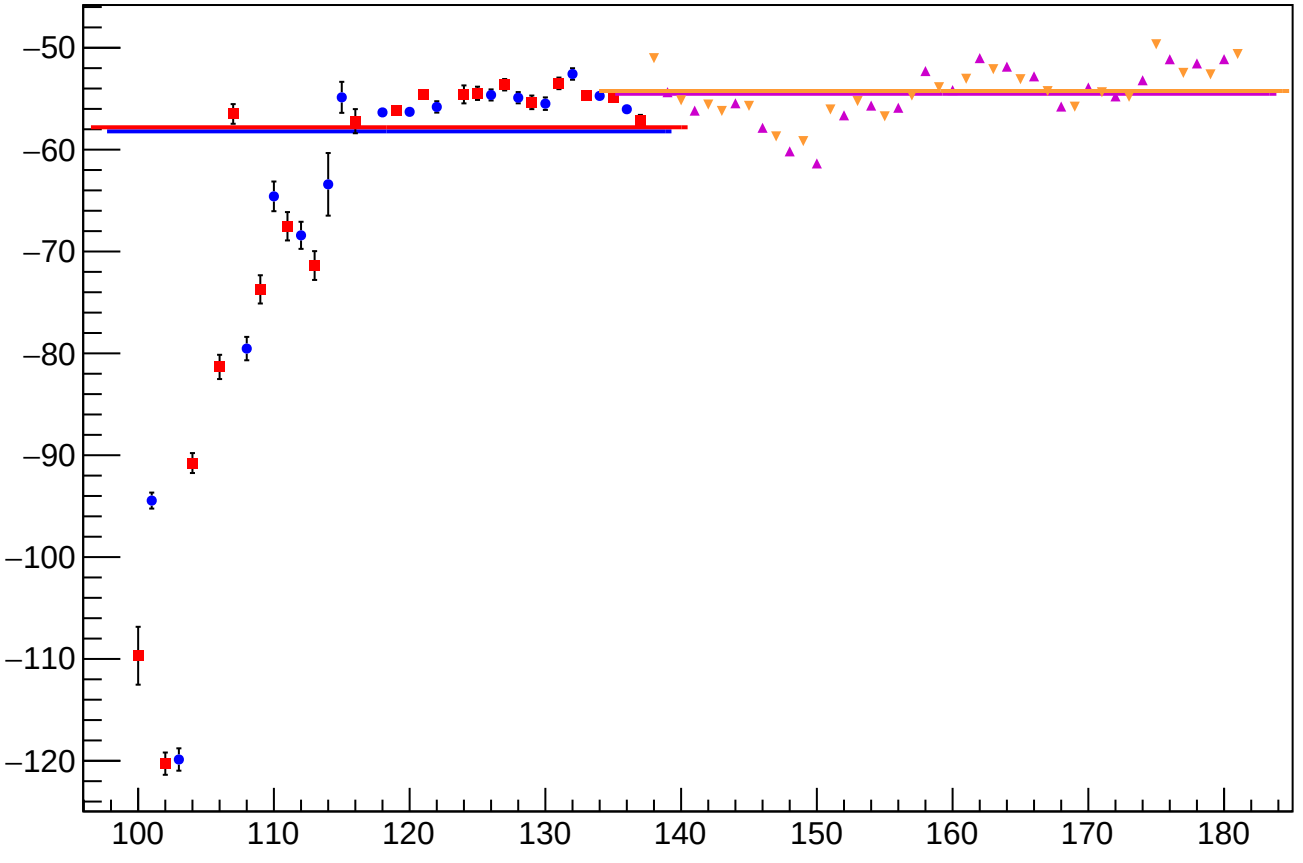
Left In: -8.360+/-0.077 χ^2/NDF:2100.9/20

+ sign -7.993+/-0.064 χ^2/NDF: 4569.2/38

All: -7.650+/-0.047 χ^2/NDF: 8116.8/78

- sign -7.273+/-0.068 χ^2/NDF: 3488.1/39

reg_asym_sam1_diff_bpm4aY_slope vs Slug



Right In: -58.204+/-0.136 χ^2/NDF: 6126.9/15

Left Out: -54.243+/-0.058 χ^2/NDF:1730.9/22

Right Out: -57.804+/-0.138 χ^2/NDF: 5792.7/18

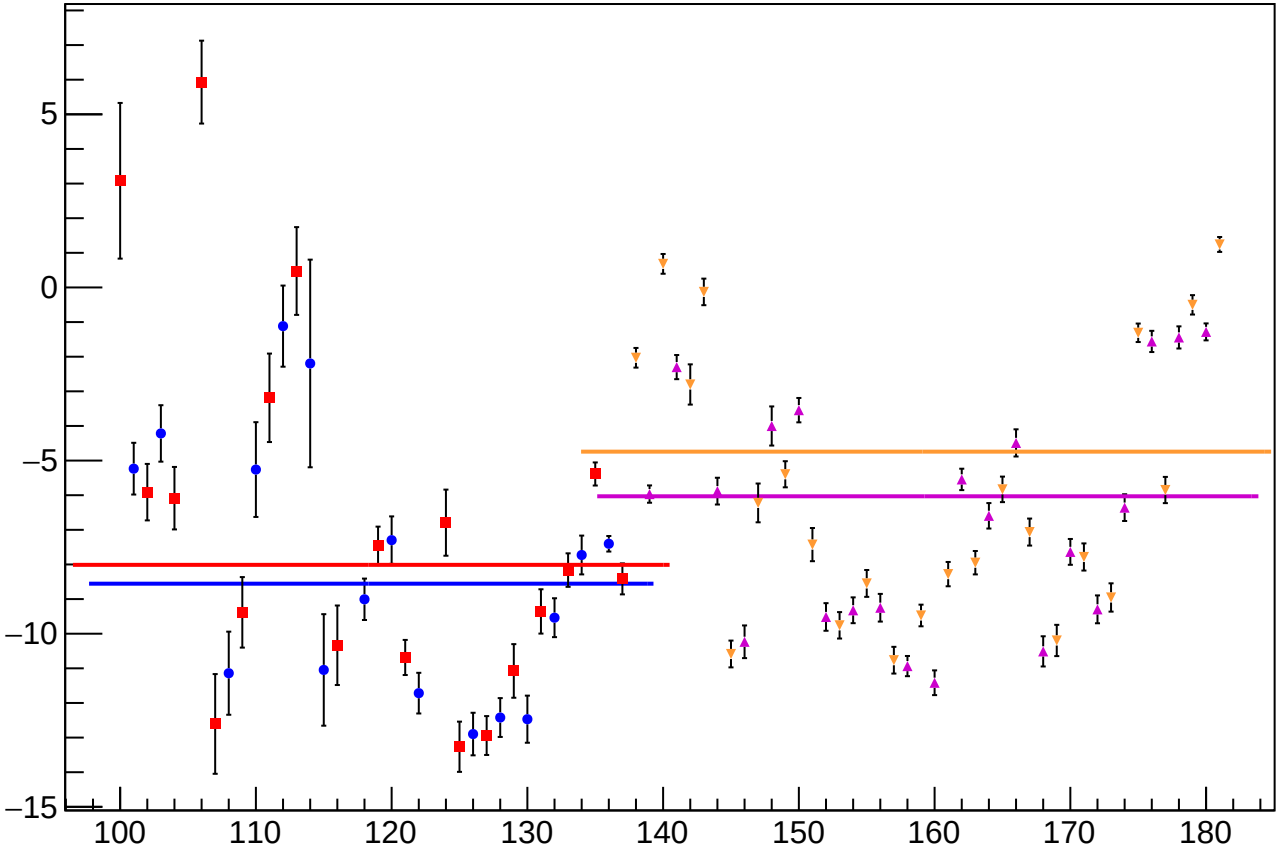
Left In: -54.515+/-0.061 χ^2/NDF:2263.2/20

+ sign -54.851+/-0.053 χ^2/NDF: 8580.5/38

All: -54.946+/-0.039 χ^2/NDF: 17115.2/78

- sign -55.051+/-0.056 χ^2/NDF: 8528.0/39

reg_asym_sam1_diff_bpm4eX_slope vs Slug



Right In: -8.555+/-0.145 χ^2/NDF: 300.7/15

Left Out: -4.742+/-0.073 χ^2/NDF:3340.1/22

Right Out: -8.011+/-0.153 χ^2/NDF: 489.3/18

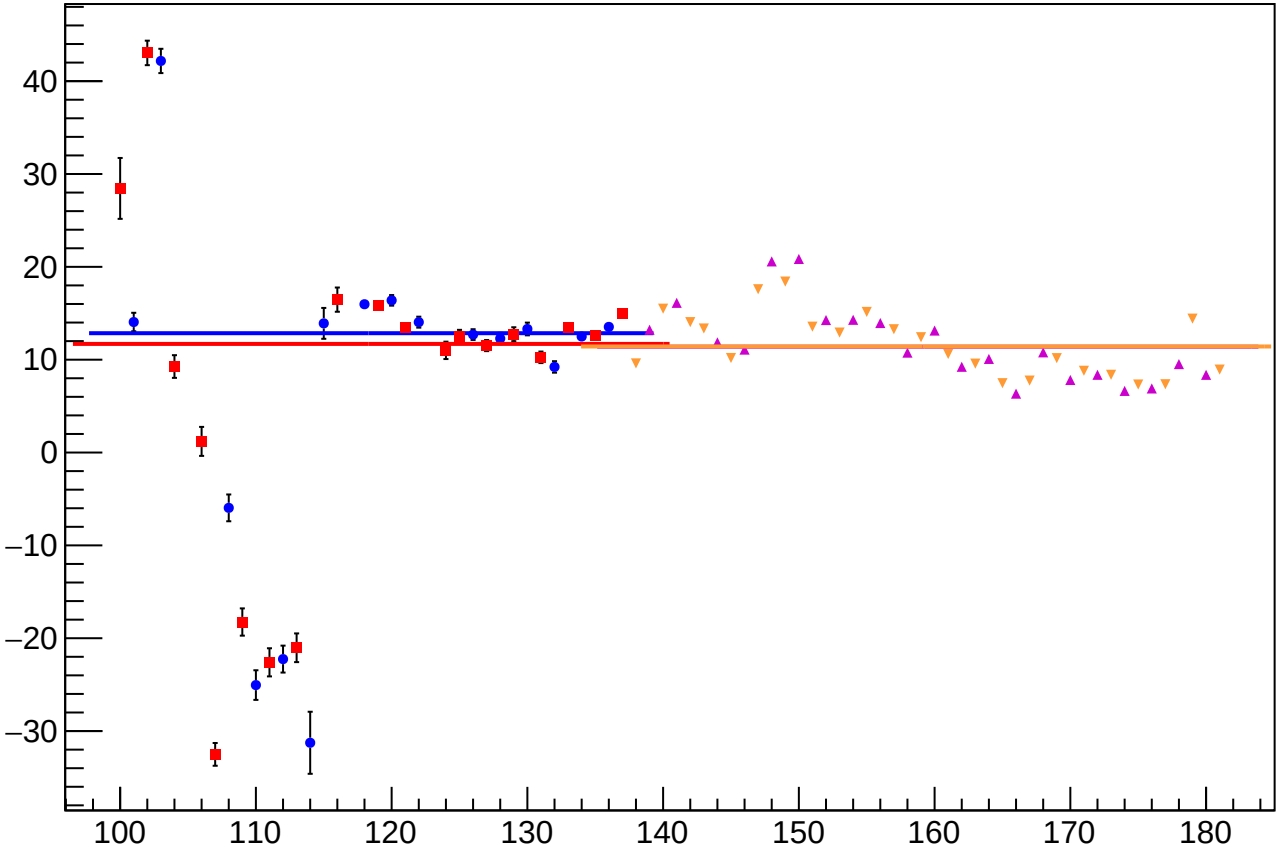
Left In: -6.031+/-0.076 χ^2/NDF:1991.3/20

+ sign -5.509+/-0.065 χ^2/NDF: 4195.4/38

All: -5.944+/-0.047 χ^2/NDF: 6905.0/78

- sign -6.424+/-0.068 χ^2/NDF: 2615.0/39

reg_asym_sam1_diff_bpm4eY_slope vs Slug



Right In: 12.853+/-0.150 χ^2/NDF: 2128.4/15

Left Out: 11.423+/-0.064 χ^2/NDF:2424.3/22

Right Out: 11.699+/-0.155 χ^2/NDF: 3498.8/18

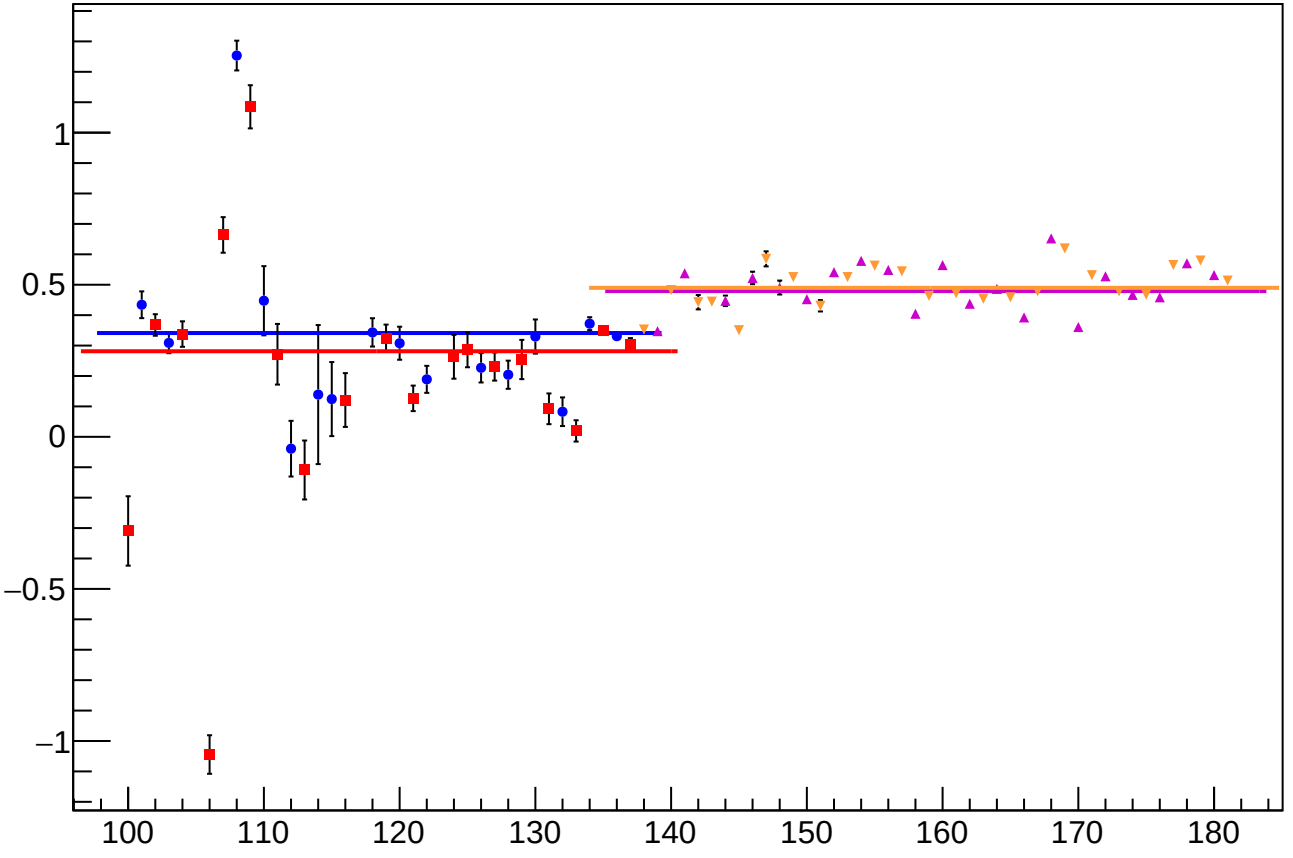
Left In: 11.401+/-0.068 χ^2/NDF:3237.0/20

\+ sign 11.644+/-0.059 χ^2/NDF: 4629.2/38

All: 11.551+/-0.043 χ^2/NDF: 11373.3/78

\- sign 11.448+/-0.062 χ^2/NDF: 6738.9/39

reg_asym_sam1_diff_bpm12X_slope vs Slug



Right In: 0.341+/-0.008 χ^2/NDF: 434.8/15

Left Out: 0.490+/-0.003 χ^2/NDF:528.9/22

Right Out: 0.281+/-0.008 χ^2/NDF: 777.6/18

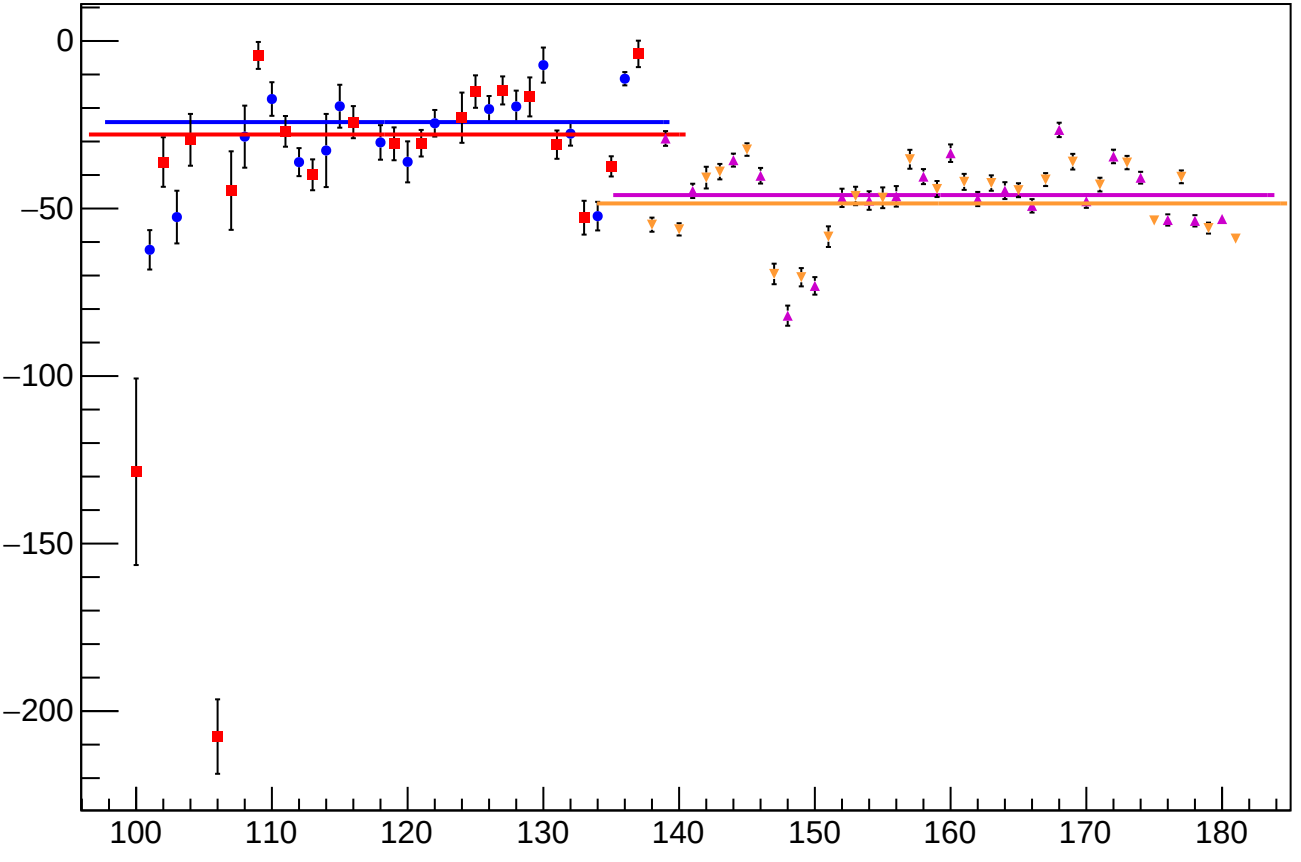
Left In: 0.479+/-0.003 χ^2/NDF:795.7/20

+ sign 0.473+/-0.003 χ^2/NDF: 1279.0/38

All: 0.466+/-0.002 χ^2/NDF: 3354.9/78

- sign 0.459+/-0.003 χ^2/NDF: 2062.2/39

reg_asym_sam2_diff_bpm1X_slope vs Slug



Right In: -24.205+/-1.086 χ^2/NDF: 170.7/15

Left Out: -48.481+/-0.429 χ^2/NDF:518.5/22

Right Out: -27.906+/-1.137 χ^2/NDF: 413.4/18

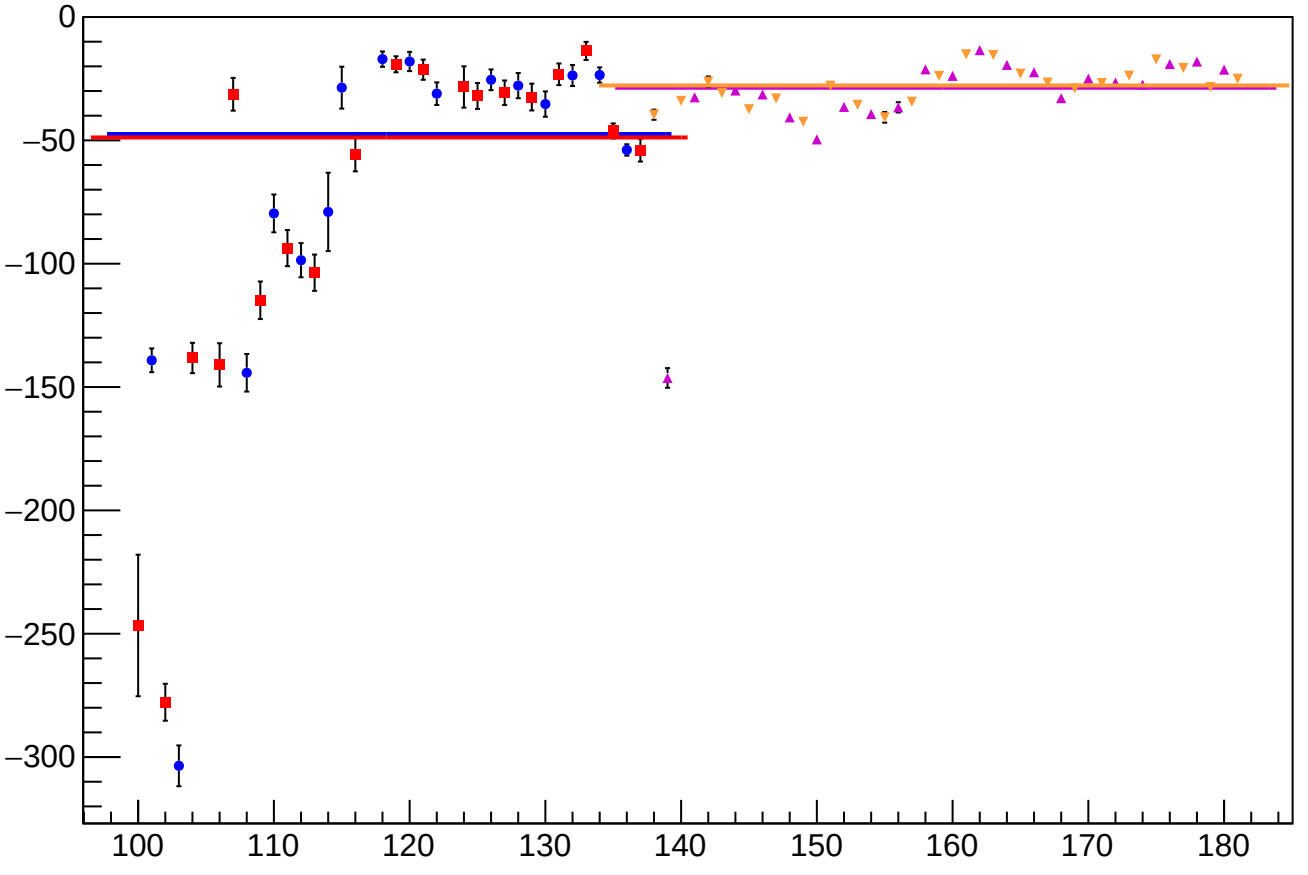
Left In: -45.988+/-0.456 χ^2/NDF:571.4/20

+ sign -45.211+/-0.399 χ^2/NDF: 1121.3/38

All: -44.399+/-0.290 χ^2/NDF: 2332.8/78

- sign -43.484+/-0.423 χ^2/NDF: 1202.7/39

reg_asym_sam2_diff_bpm4aY_slope vs Slug



Right In: -47.421+/-1.101 χ^2/NDF: 1873.5/15

Left Out: -27.736+/-0.335 χ^2/NDF:468.1/22

Right Out: -48.831+/-1.182 χ^2/NDF: 1774.6/18

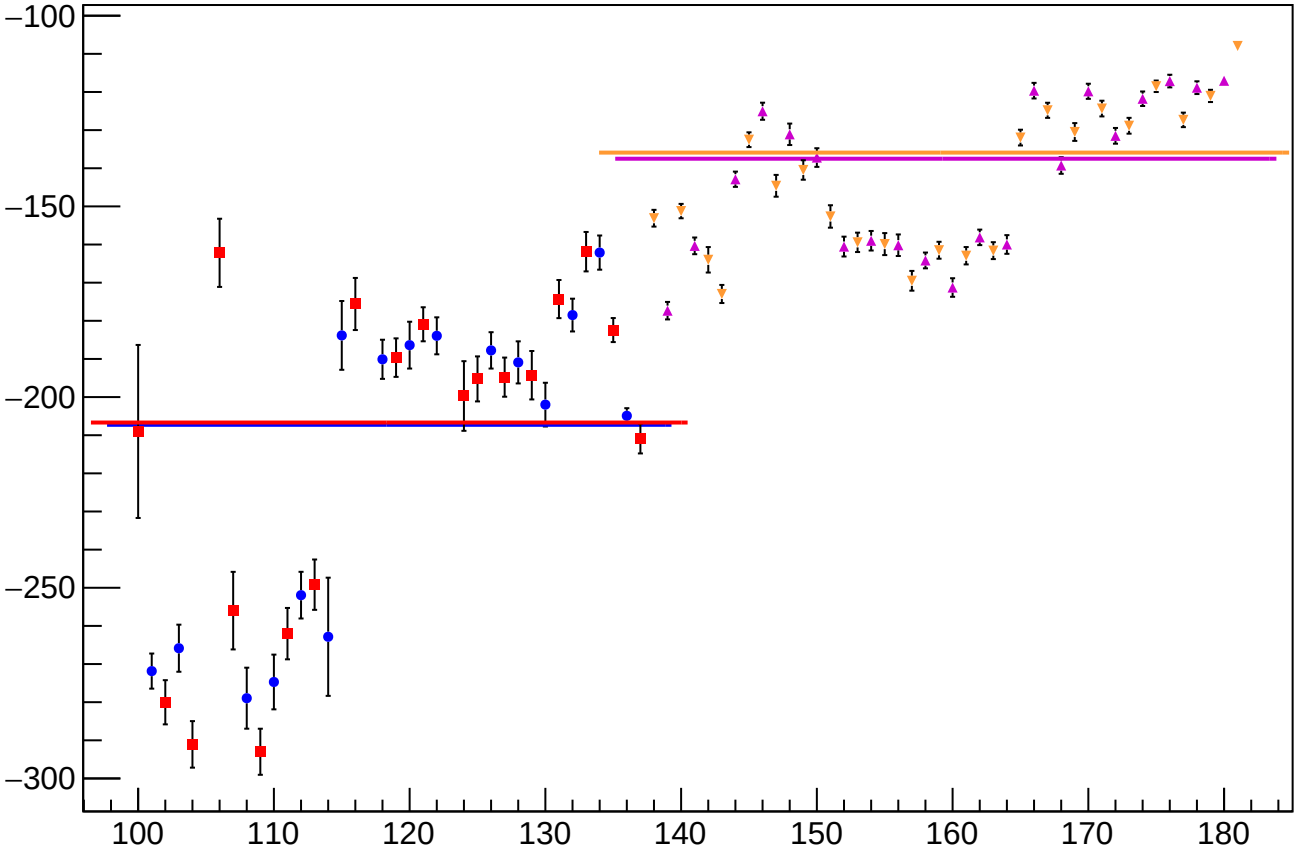
Left In: -28.675+/-0.351 χ^2/NDF:1460.3/20

+ sign -29.404+/-0.320 χ^2/NDF: 2634.2/38

All: -29.834+/-0.232 χ^2/NDF: 6140.0/78

- sign -30.309+/-0.337 χ^2/NDF: 3502.0/39

reg_asym_sam2_diff_bpm4eX_slope vs Slug



Right In: -207.266+/-1.178 χ^2/NDF: 748.5/15

Left Out: -135.894+/-0.427 χ^2/NDF:2161.8/22

Right Out: -206.673+/-1.279 χ^2/NDF: 969.4/18

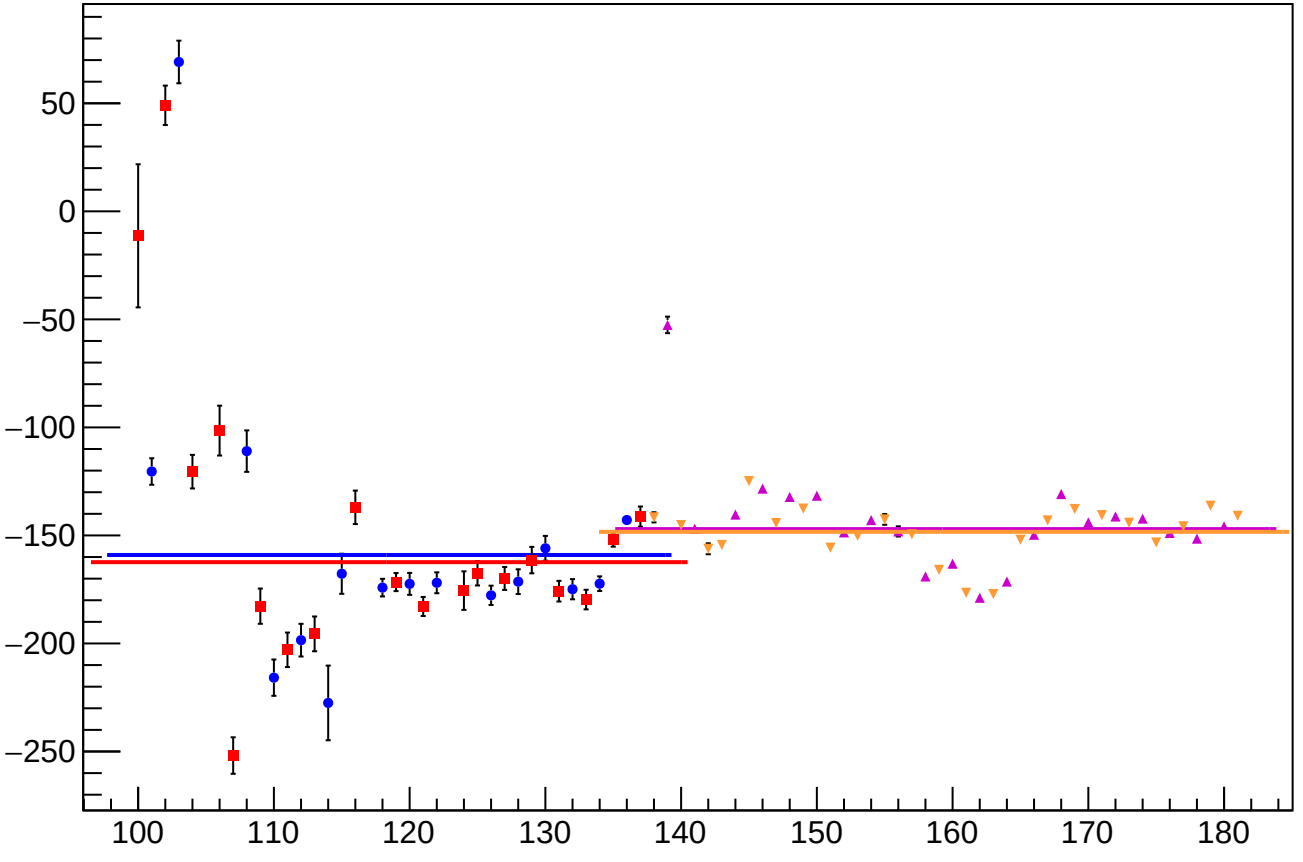
Left In: -137.501+/-0.451 χ^2/NDF:1971.0/20

\+ sign -144.194+/-0.402 χ^2/NDF: 6152.5/38

All: -144.645+/-0.292 χ^2/NDF: 11695.2/78

\- sign -145.150+/-0.425 χ^2/NDF: 5540.0/39

reg_asym_sam2_diff_bpm4eY_slope vs Slug



Right In: -159.048+/-1.225 χ^2/NDF: 815.8/15

Left Out: -148.331+/-0.375 χ^2/NDF:1101.4/22

Right Out: -162.370+/-1.324 χ^2/NDF: 872.6/18

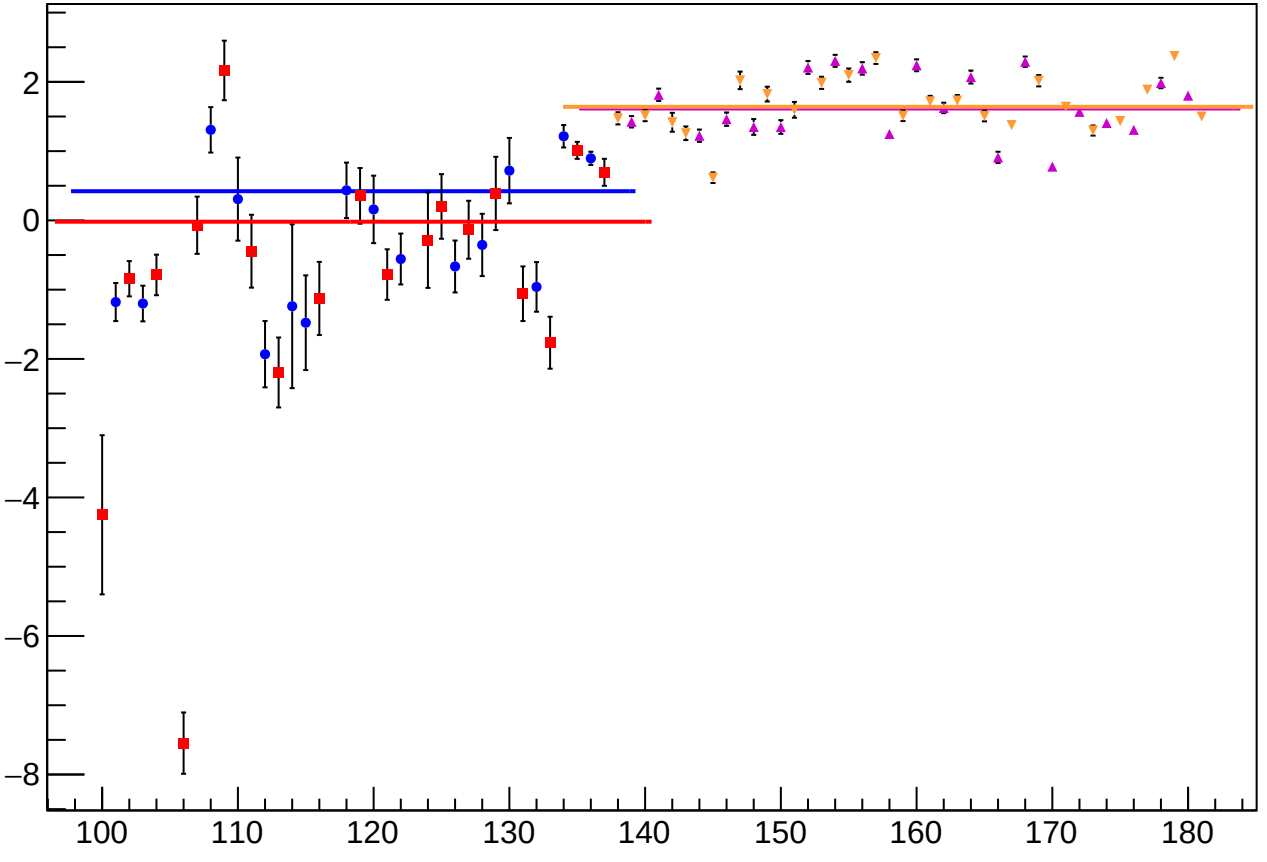
Left In: -147.066+/-0.392 χ^2/NDF:1721.1/20

+ sign -149.251+/-0.359 χ^2/NDF: 1987.1/38

All: -148.797+/-0.260 χ^2/NDF: 4706.9/78

- sign -148.300+/-0.376 χ^2/NDF: 2716.5/39

reg_asym_sam2_diff_bpm12X_slope vs Slug



Right In: 0.421+/-0.065 χ^2/NDF: 197.6/15

Left Out: 1.640+/-0.017 χ^2/NDF:519.4/22

Right Out: -0.019+/-0.072 χ^2/NDF: 488.2/18

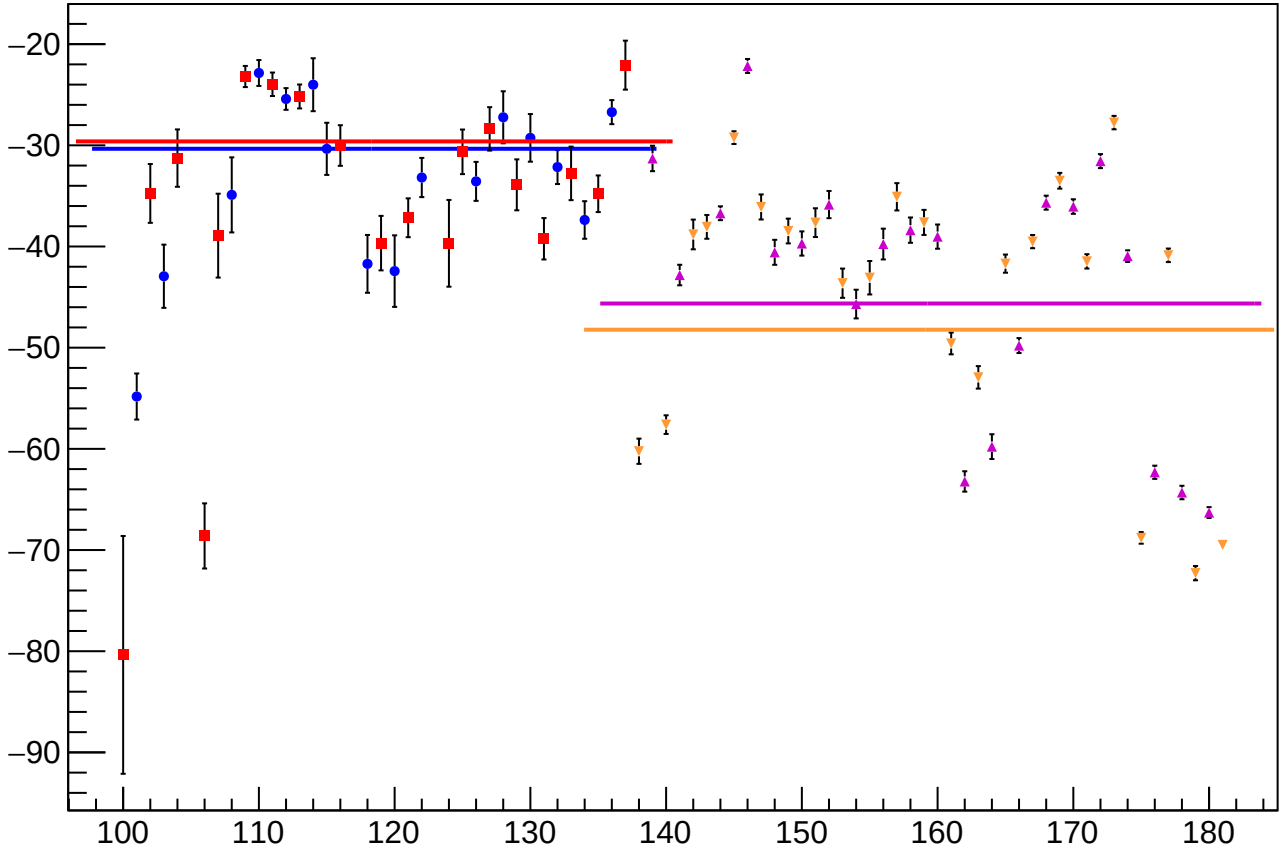
Left In: 1.616+/-0.017 χ^2/NDF:663.2/20

+ sign 1.563+/-0.016 χ^2/NDF: 1048.1/38

All: 1.545+/-0.012 χ^2/NDF: 2684.8/78

- sign 1.527+/-0.017 χ^2/NDF: 1634.3/39

reg_asym_sam3_diff_bpm1X_slope vs Slug



Right In: -30.341+/-0.468 χ^2/NDF: 253.6/15

Left Out: -48.224+/-0.177 χ^2/NDF:7775.2/22

Right Out: -29.613+/-0.450 χ^2/NDF: 329.2/18

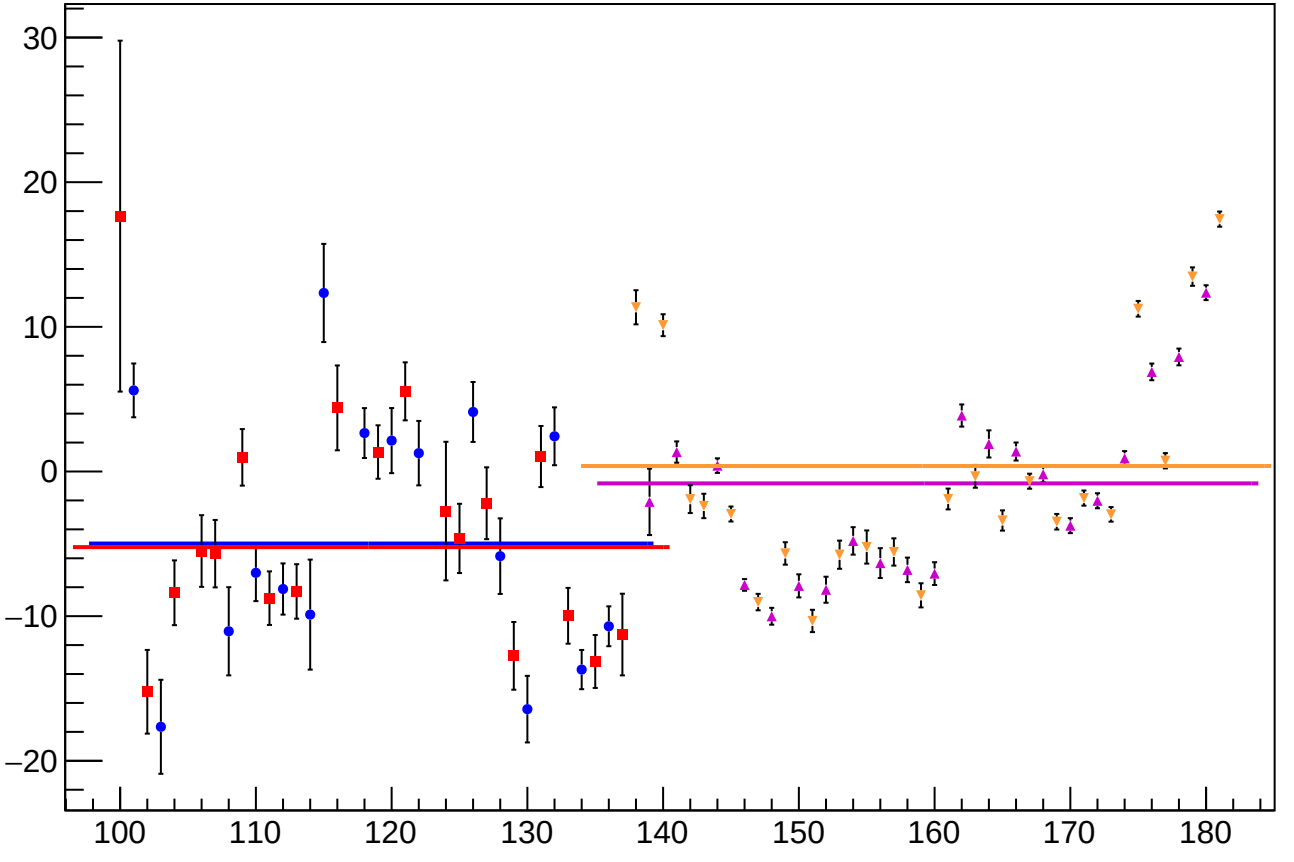
Left In: -45.634+/-0.180 χ^2/NDF:5889.7/20

+ sign -45.995+/-0.165 χ^2/NDF: 9307.8/38

All: -44.725+/-0.118 χ^2/NDF: 16736.8/78

- sign -43.418+/-0.168 χ^2/NDF: 7308.9/39

reg_asym_sam3_diff_bpm4aY_slope vs Slug



Right In: -4.980+/-0.510 χ^2/NDF: 237.3/15

Left Out: 0.378+/-0.137 χ^2/NDF:3100.0/22

Right Out: -5.228+/-0.524 χ^2/NDF: 136.5/18

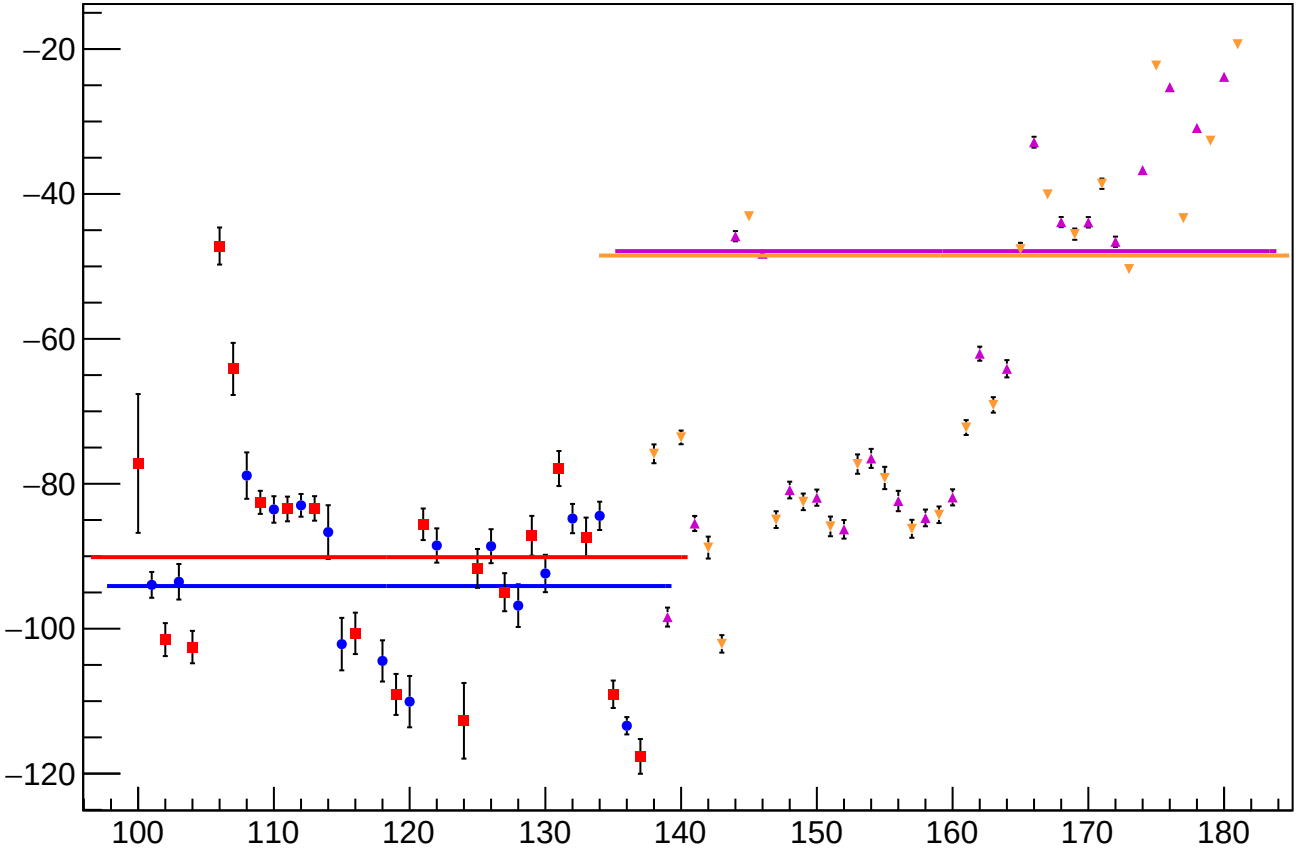
Left In: -0.822+/-0.138 χ^2/NDF:2041.3/20

+ sign 0.015+/-0.133 χ^2/NDF: 3440.3/38

All: -0.545+/-0.094 χ^2/NDF: 5719.9/78

- sign -1.106+/-0.133 χ^2/NDF: 2244.0/39

reg_asym_sam3_diff_bpm4eX_slope vs Slug



Right In: -94.115+/-0.537 χ^2/NDF: 466.8/15

Left Out: -48.501+/-0.177 χ^2/NDF:16630.2/22

Right Out: -90.127+/-0.543 χ^2/NDF: 789.3/18

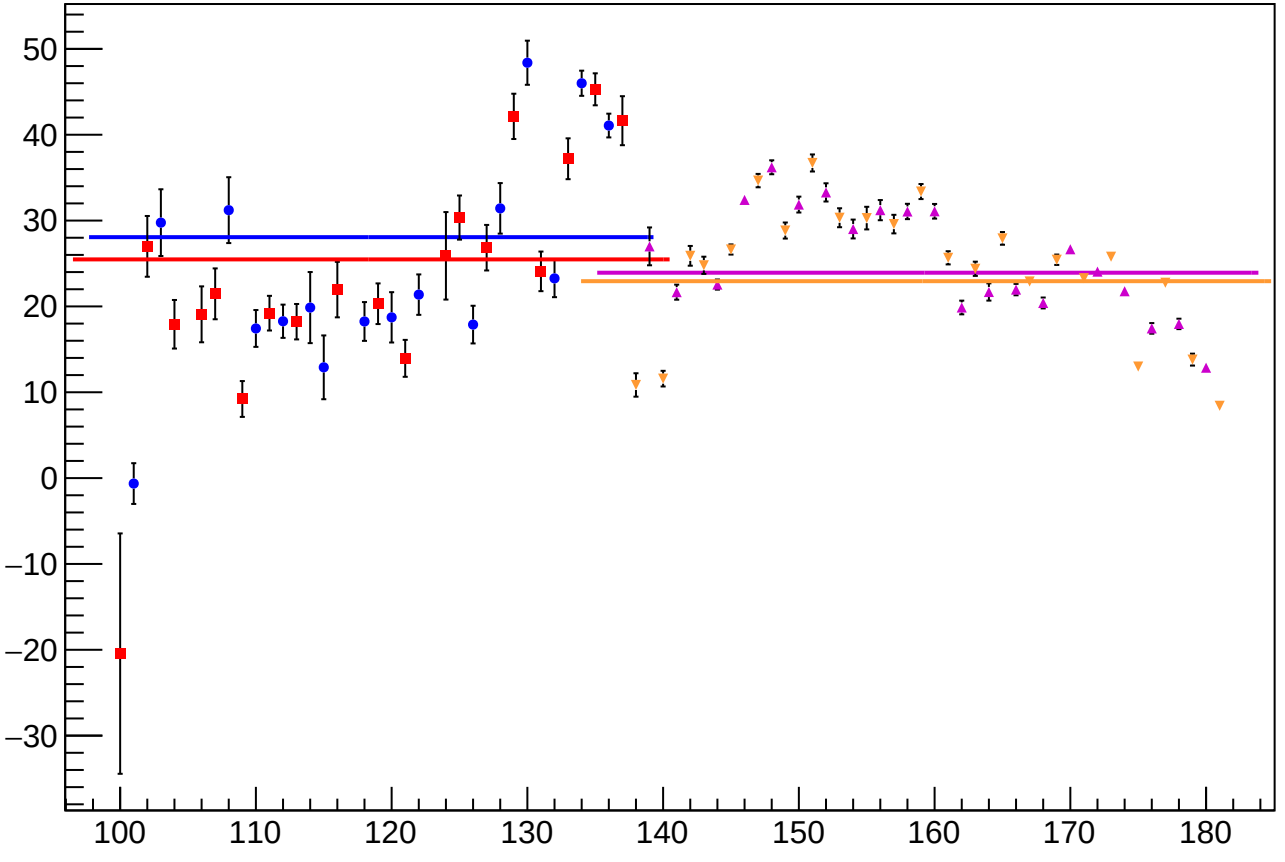
Left In: -47.890+/-0.180 χ^2/NDF:13583.7/20

\+ sign -52.960+/-0.168 χ^2/NDF: 23606.2/38

All: -52.523+/-0.120 χ^2/NDF: 43445.7/78

\- sign -52.072+/-0.171 χ^2/NDF: 19825.7/39

reg_asym_sam3_diff_bpm4eY_slope vs Slug



Right In: 28.068+/-0.569 χ^2/NDF: 583.1/15

Left Out: 22.940+/-0.154 χ^2/NDF:2260.2/22

Right Out: 25.477+/-0.590 χ^2/NDF: 354.6/18

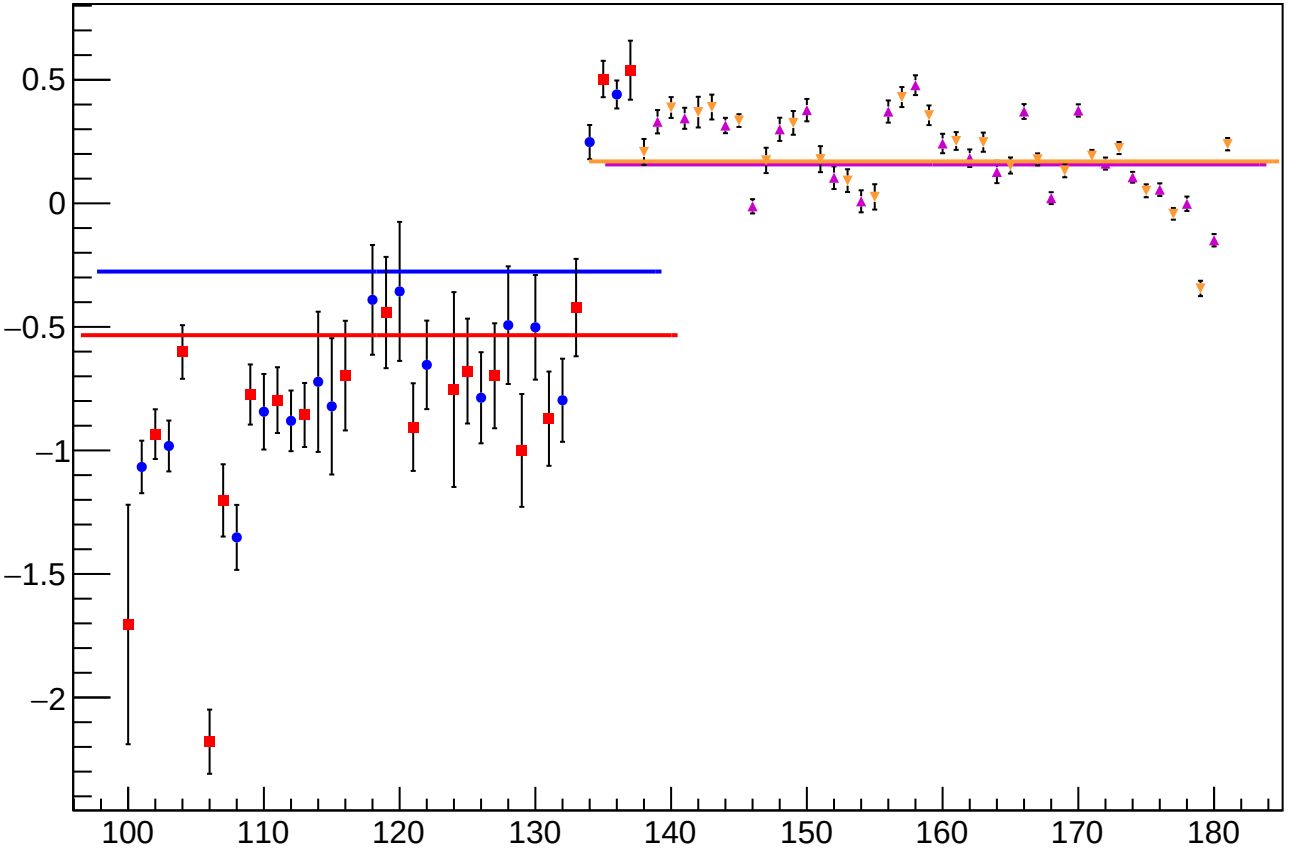
Left In: 23.926+/-0.155 χ^2/NDF:1594.5/20

+ sign 23.289+/-0.148 χ^2/NDF: 2919.1/38

All: 23.654+/-0.105 χ^2/NDF: 4886.9/78

- sign 24.025+/-0.150 χ^2/NDF: 1955.6/39

reg_asym_sam3_diff_bpm12X_slope vs Slug



Right In: -0.276+/-0.031 χ^2/NDF: 455.6/15

Left Out: 0.170+/-0.007 χ^2/NDF:582.7/22

Right Out: -0.534+/-0.033 χ^2/NDF: 510.3/18

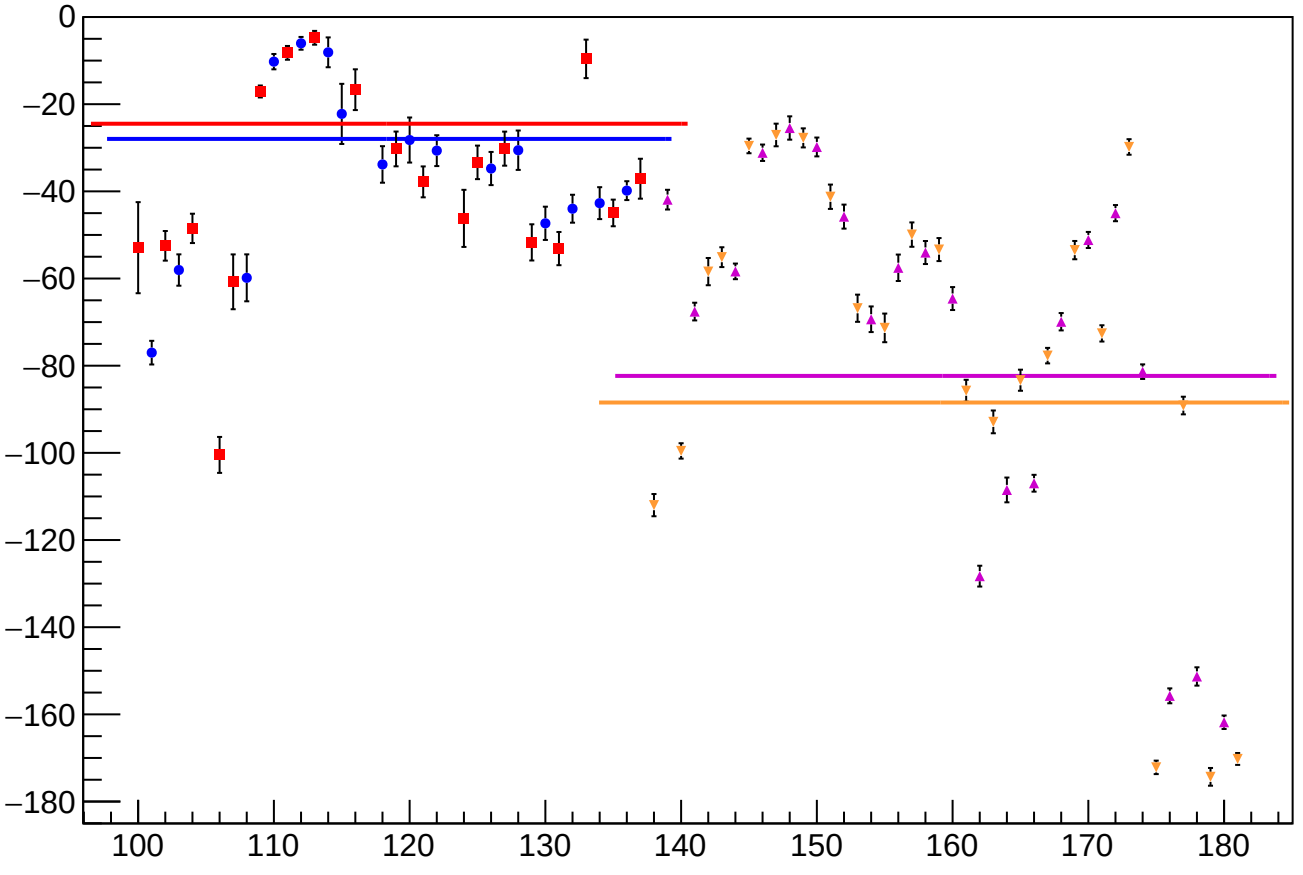
Left In: 0.158+/-0.007 χ^2/NDF:591.0/20

+ sign 0.148+/-0.007 χ^2/NDF: 1239.8/38

All: 0.138+/-0.005 χ^2/NDF: 2769.4/78

- sign 0.128+/-0.007 χ^2/NDF: 1525.0/39

reg_asym_sam4_diff_bpm1X_slope vs Slug



Right In: -27.967+/-0.728 χ^2/NDF: 894.7/15

Left Out: -88.448+/-0.441 χ^2/NDF:13492.5/22

Right Out: -24.485+/-0.663 χ^2/NDF: 989.7/18

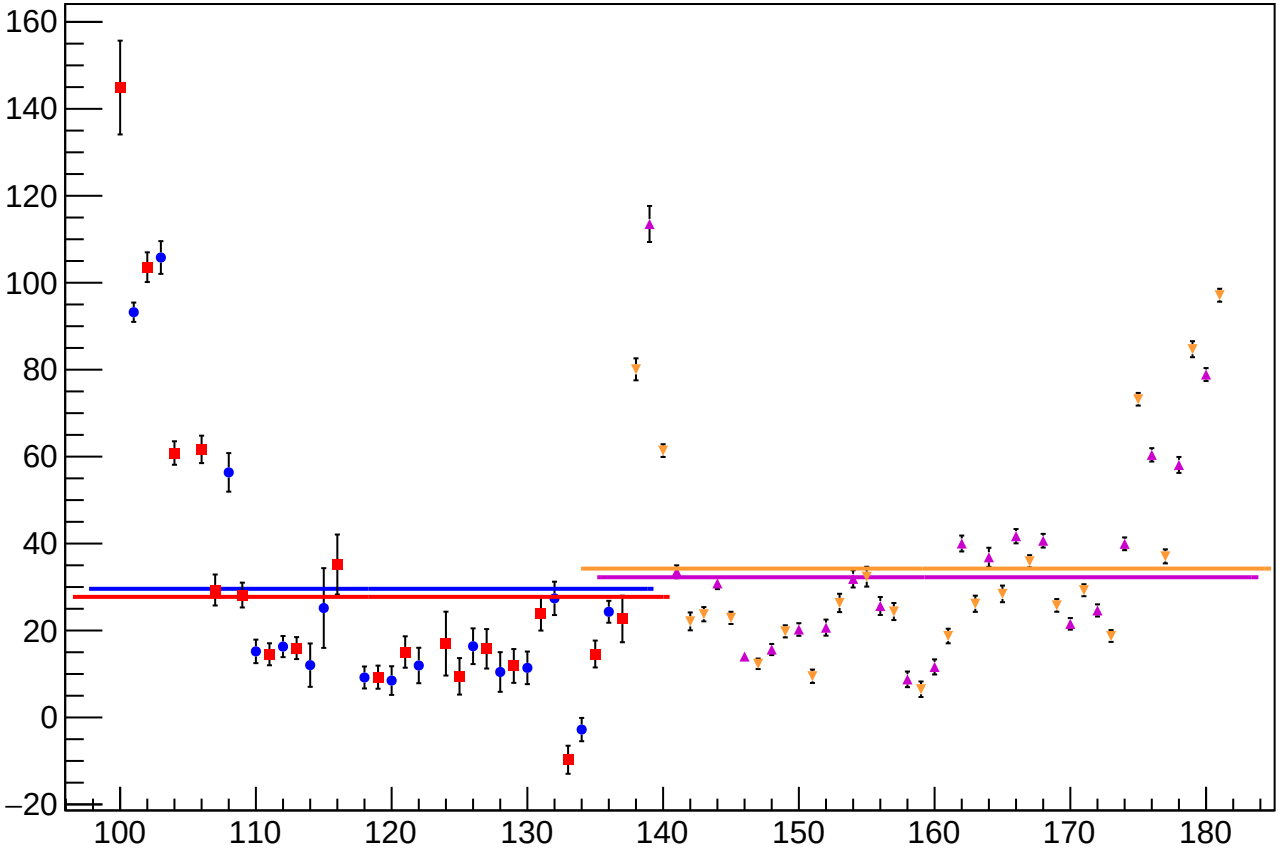
Left In: -82.343+/-0.458 χ^2/NDF:9650.1/20

+ sign -72.190+/-0.377 χ^2/NDF: 19439.5/38

All: -67.919+/-0.267 χ^2/NDF: 35494.0/78

- sign -63.661+/-0.377 χ^2/NDF: 15798.4/39

reg_asym_sam4_diff_bpm4aY_slope vs Slug



Right In: 29.594+/-0.807 χ^2/NDF: 1665.7/15

Left Out: 34.247+/-0.335 χ^2/NDF:5322.1/22

Right Out: 27.736+/-0.797 χ^2/NDF: 1185.1/18

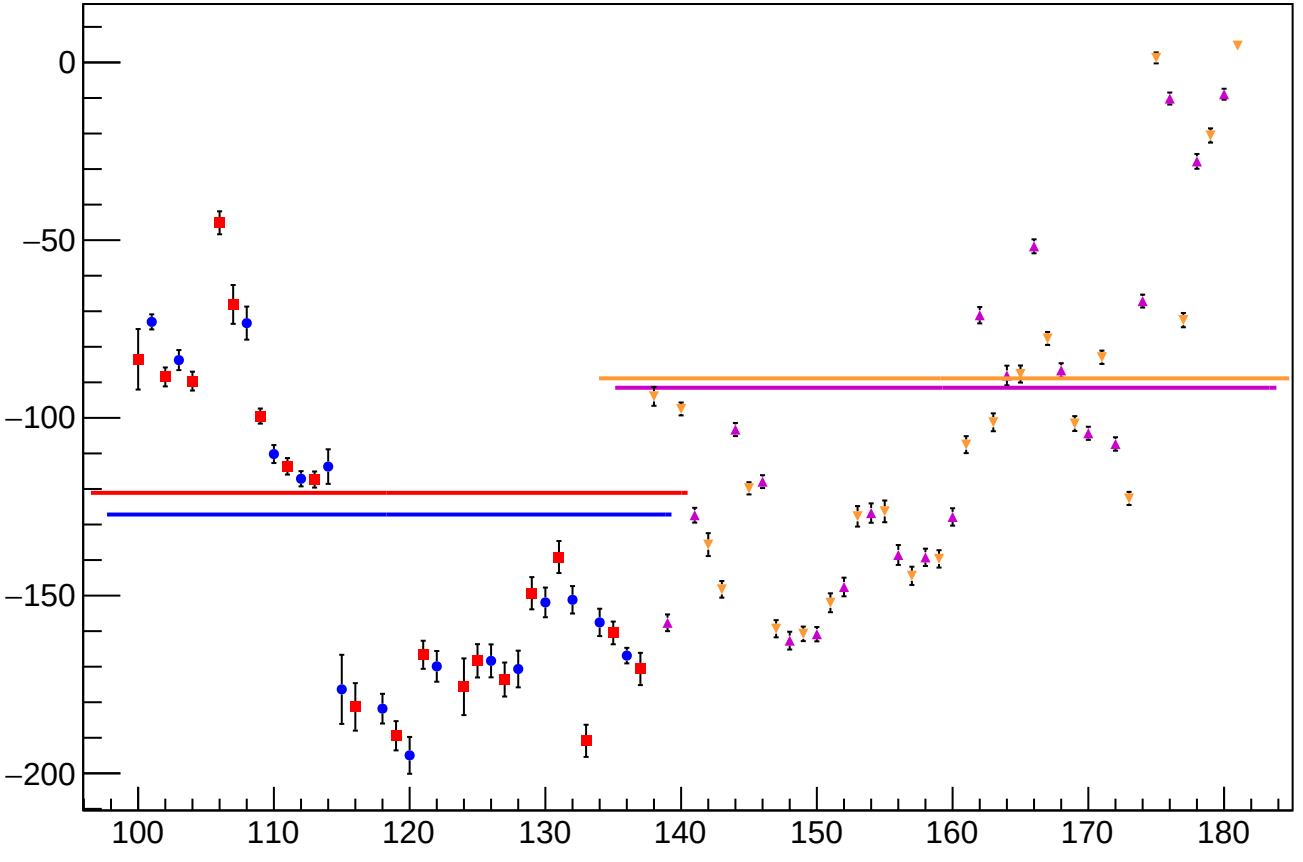
Left In: 32.252+/-0.346 χ^2/NDF:2954.1/20

+ sign 33.561+/-0.310 χ^2/NDF: 7016.1/38

All: 32.574+/-0.222 χ^2/NDF: 11203.2/78

- sign 31.535+/-0.318 χ^2/NDF: 4166.2/39

reg_asym_sam4_diff_bpm4eX_slope vs Slug



Right In: -127.190+/-0.829 χ^2/NDF: 2178.2/15

Left Out: -88.882+/-0.439 χ^2/NDF:14583.0/22

Right Out: -121.086+/-0.798 χ^2/NDF: 2397.3/18

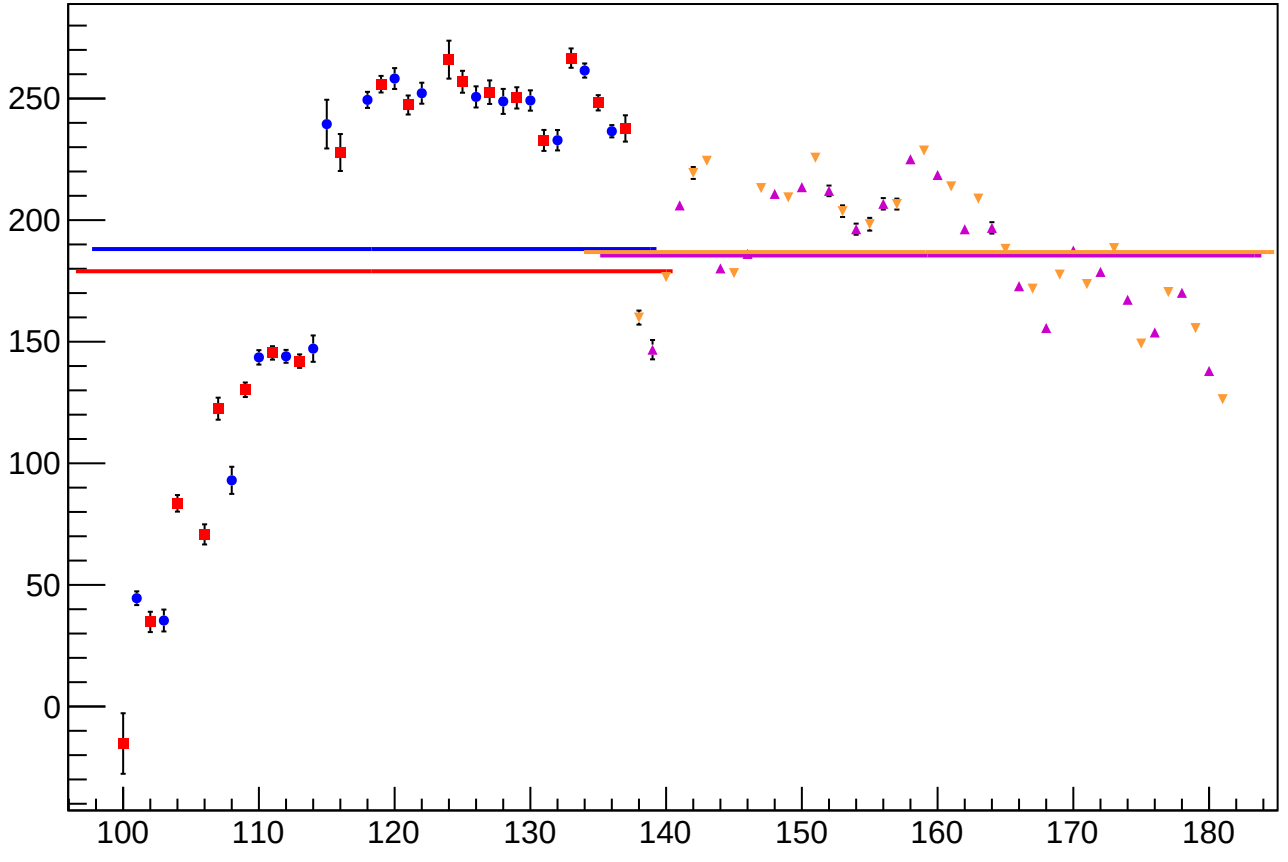
Left In: -91.521+/-0.454 χ^2/NDF:11753.7/20

+ sign -97.274+/-0.388 χ^2/NDF: 18427.3/38

All: -98.000+/-0.277 χ^2/NDF: 33623.3/78

- sign -98.749+/-0.394 χ^2/NDF: 15188.9/39

reg_asym_sam4_diff_bpm4eY_slope vs Slug



Right In: 188.107+/-0.918 χ^2/NDF: 7118.6/15

Left Out: 186.868+/-0.379 χ^2/NDF:5109.6/22

Right Out: 178.971+/-0.908 χ^2/NDF: 6668.8/18

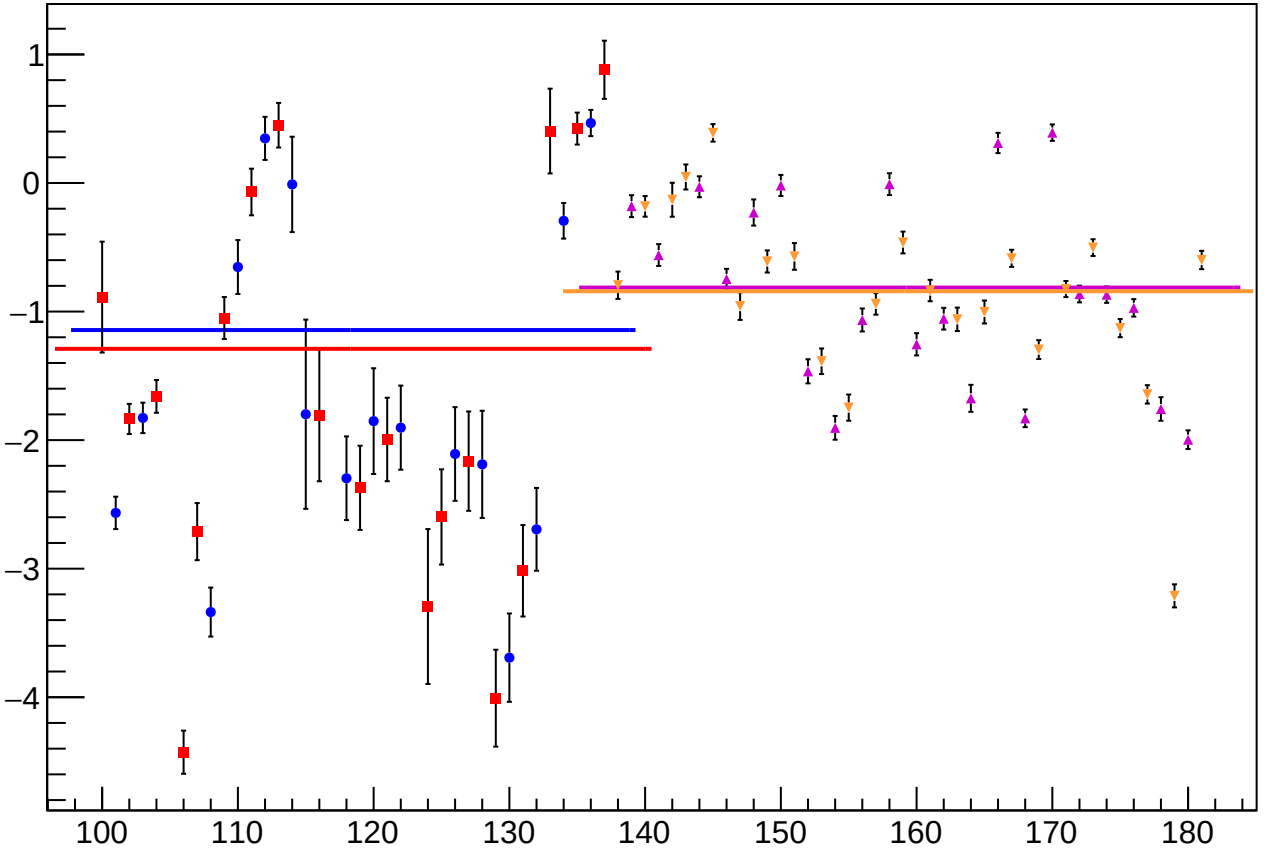
Left In: 185.451+/-0.390 χ^2/NDF:3598.5/20

+ sign 187.048+/-0.351 χ^2/NDF: 12229.8/38

All: 185.774+/-0.251 χ^2/NDF: 22567.1/78

- sign 184.440+/-0.359 χ^2/NDF: 10310.3/39

reg_asym_sam4_diff_bpm12X_slope vs Slug



Right In: -1.144+/-0.048 χ^2/NDF: 787.4/15

Left Out: -0.842+/-0.017 χ^2/NDF:1592.7/22

Right Out: -1.290+/-0.047 χ^2/NDF: 998.3/18

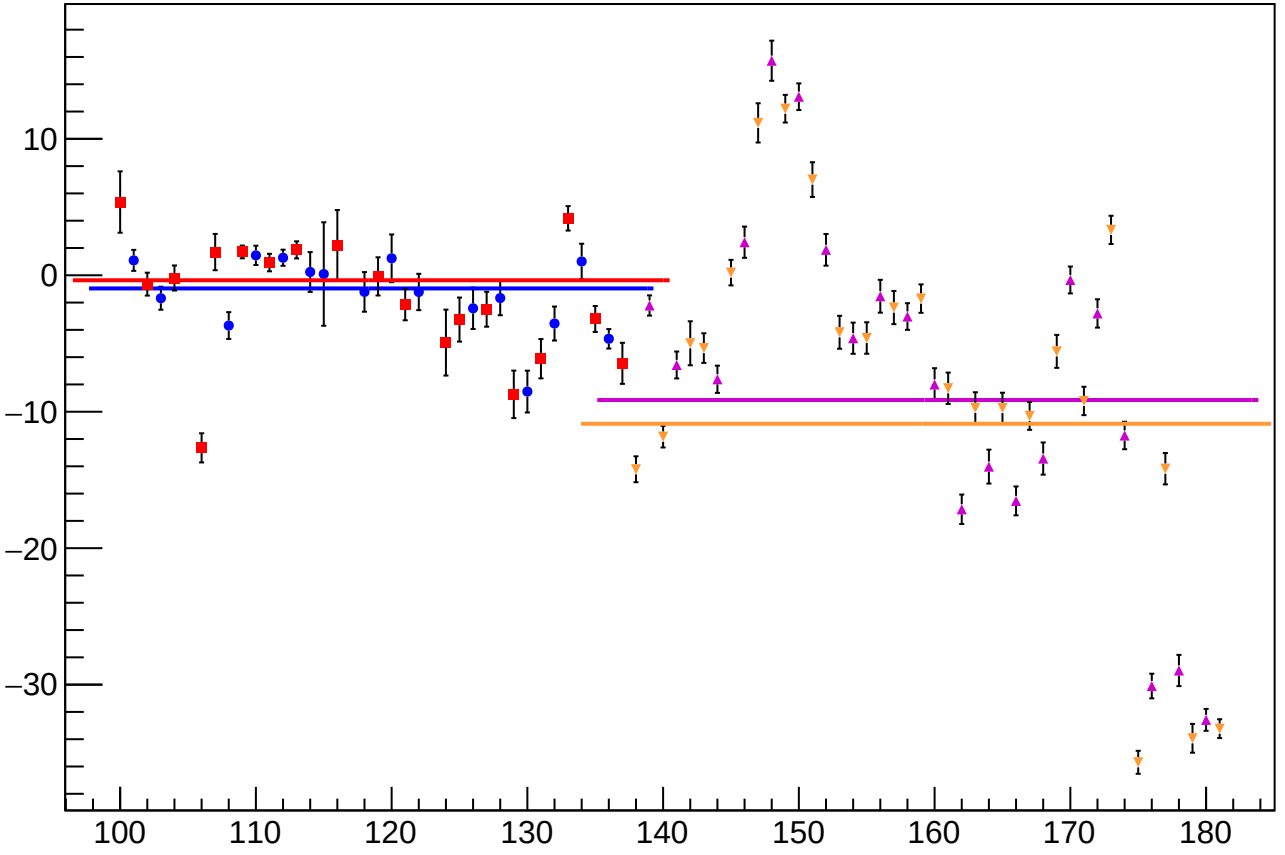
Left In: -0.813+/-0.017 χ^2/NDF:1828.8/20

+ sign -0.876+/-0.016 χ^2/NDF: 2415.3/38

All: -0.873+/-0.011 χ^2/NDF: 5331.4/78

- sign -0.870+/-0.016 χ^2/NDF: 2916.0/39

reg_asym_sam5_diff_bpm1X_slope vs Slug



Right In: -0.964+/-0.253 χ^2/NDF: 103.2/15

Left Out: -10.883+/-0.217 χ^2/NDF:3949.3/22

Right Out: -0.365+/-0.224 χ^2/NDF: 280.6/18

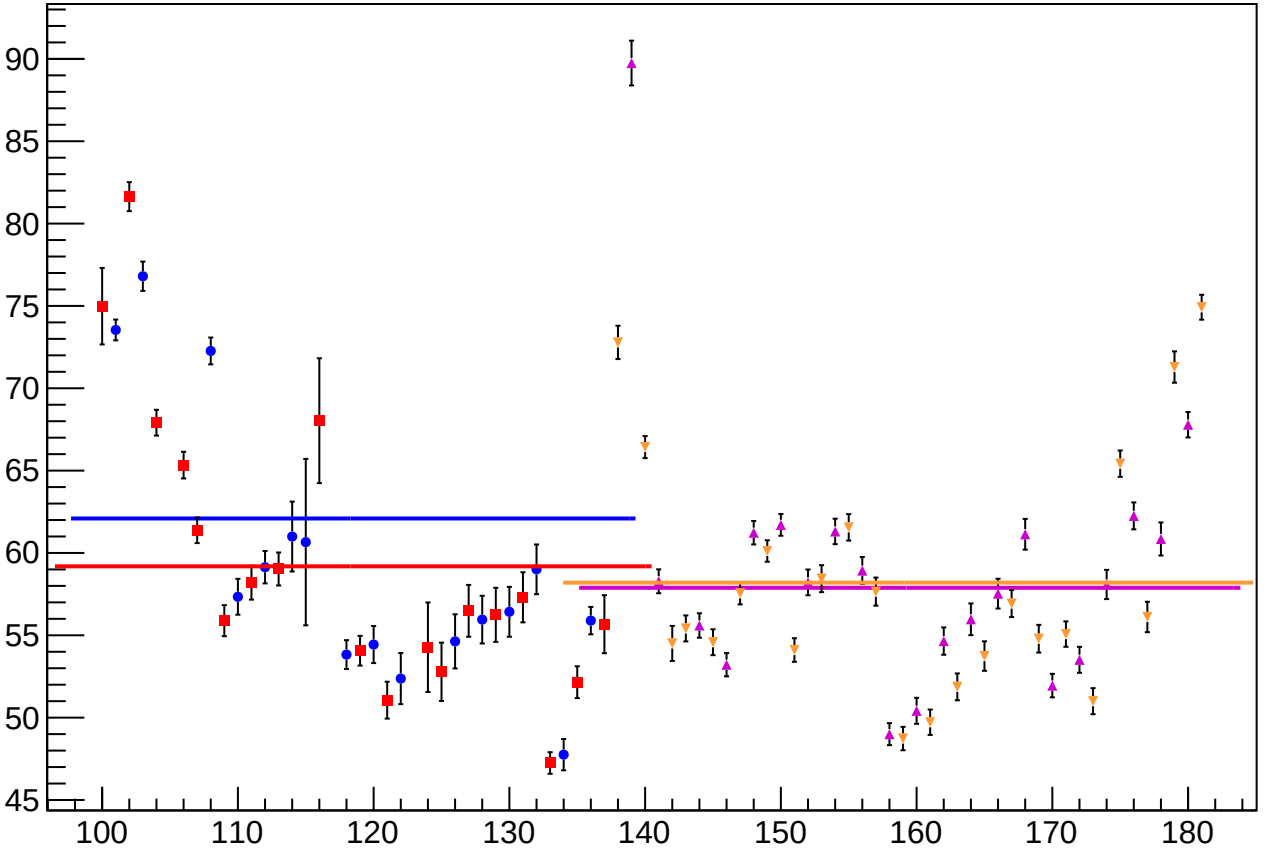
Left In: -9.142+/-0.225 χ^2/NDF:3138.5/20

+ sign -6.675+/-0.165 χ^2/NDF: 4936.3/38

All: -5.661+/-0.114 χ^2/NDF: 9192.0/78

- sign -4.721+/-0.159 χ^2/NDF: 4182.9/39

reg_asym_sam5_diff_bpm4aY_slope vs Slug



Right In: 62.094+/-0.265 χ^2/NDF: 1301.3/15

Left Out: 58.198+/-0.166 χ^2/NDF:1732.2/22

Right Out: 59.188+/-0.244 χ^2/NDF: 1402.1/18

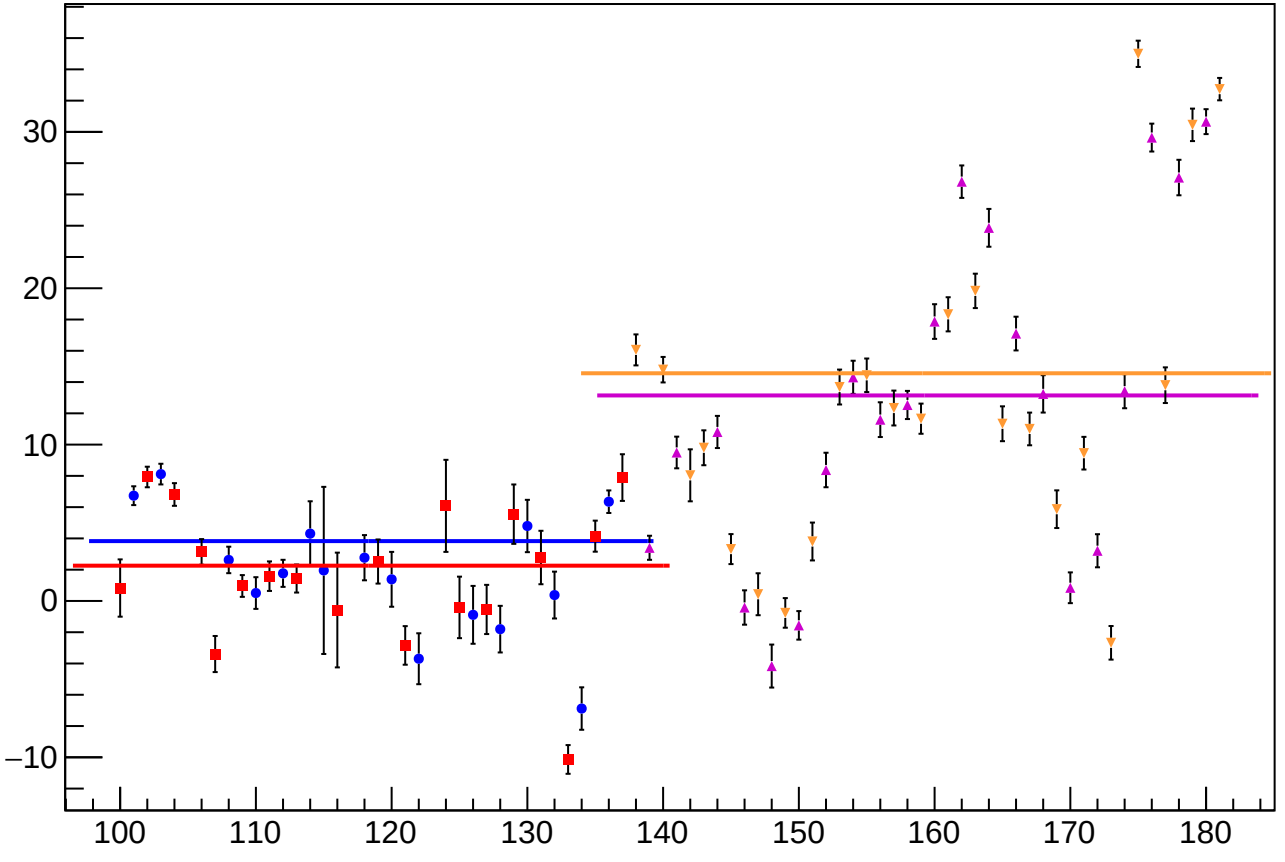
Left In: 57.885+/-0.174 χ^2/NDF:1279.1/20

+ sign 59.291+/-0.141 χ^2/NDF: 3188.4/38

All: 58.811+/-0.100 χ^2/NDF: 5912.1/78

- sign 58.324+/-0.142 χ^2/NDF: 2700.2/39

reg_asym_sam5_diff_bpm4eX_slope vs Slug



Right In: 3.828+/-0.265 χ^2/NDF: 208.6/15

Left Out: 14.562+/-0.215 χ^2/NDF:2496.3/22

Right Out: 2.257+/-0.246 χ^2/NDF: 371.9/18

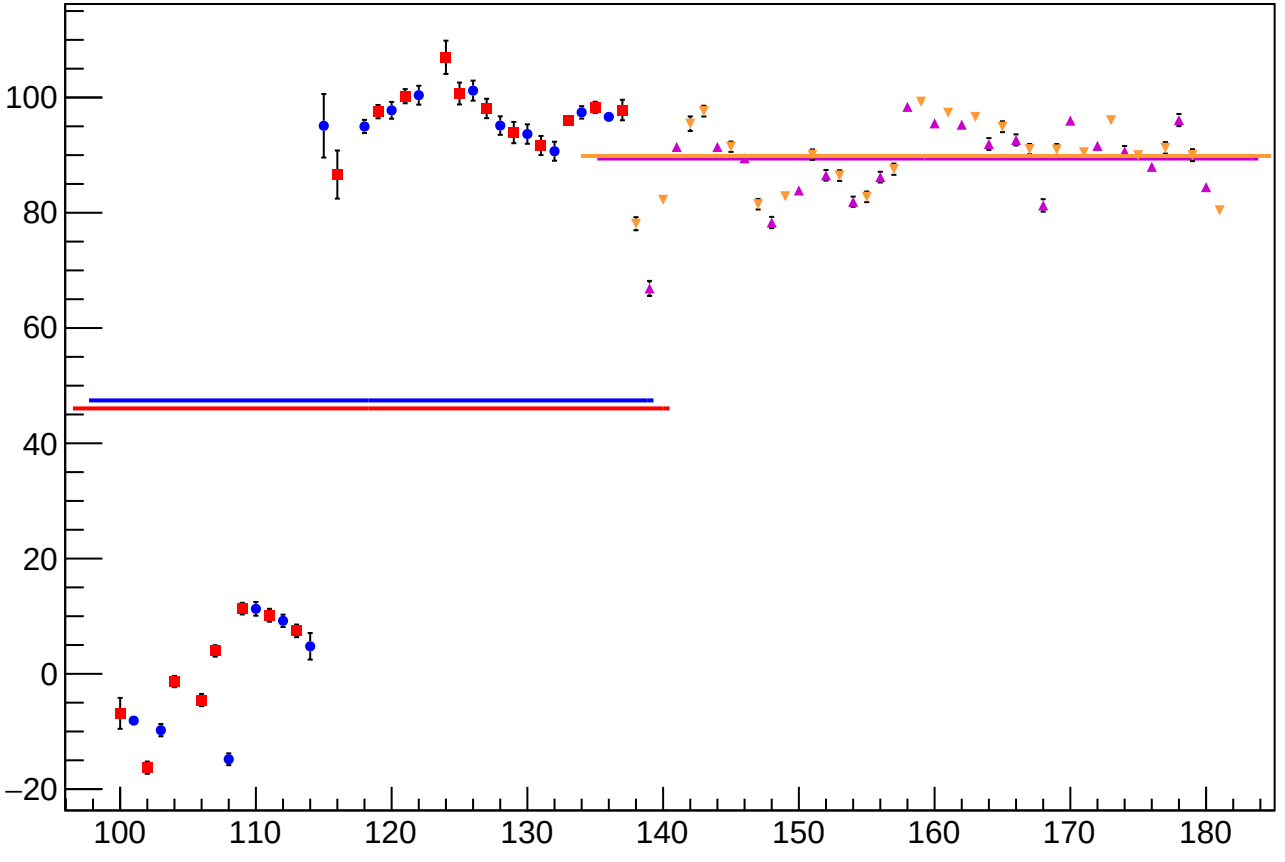
Left In: 13.144+/-0.222 χ^2/NDF:2274.5/20

\+ sign 10.301+/-0.167 χ^2/NDF: 3692.4/38

All: 9.270+/-0.117 χ^2/NDF: 7491.1/78

\- sign 8.266+/-0.165 χ^2/NDF: 3723.6/39

reg_asym_sam5_diff_bpm4eY_slope vs Slug



Right In: 47.443+/-0.308 χ^2/NDF: 26886.9/15

Left Out: 89.856+/-0.187 χ^2/NDF:1064.9/22

Right Out: 46.053+/-0.284 χ^2/NDF: 28897.8/18

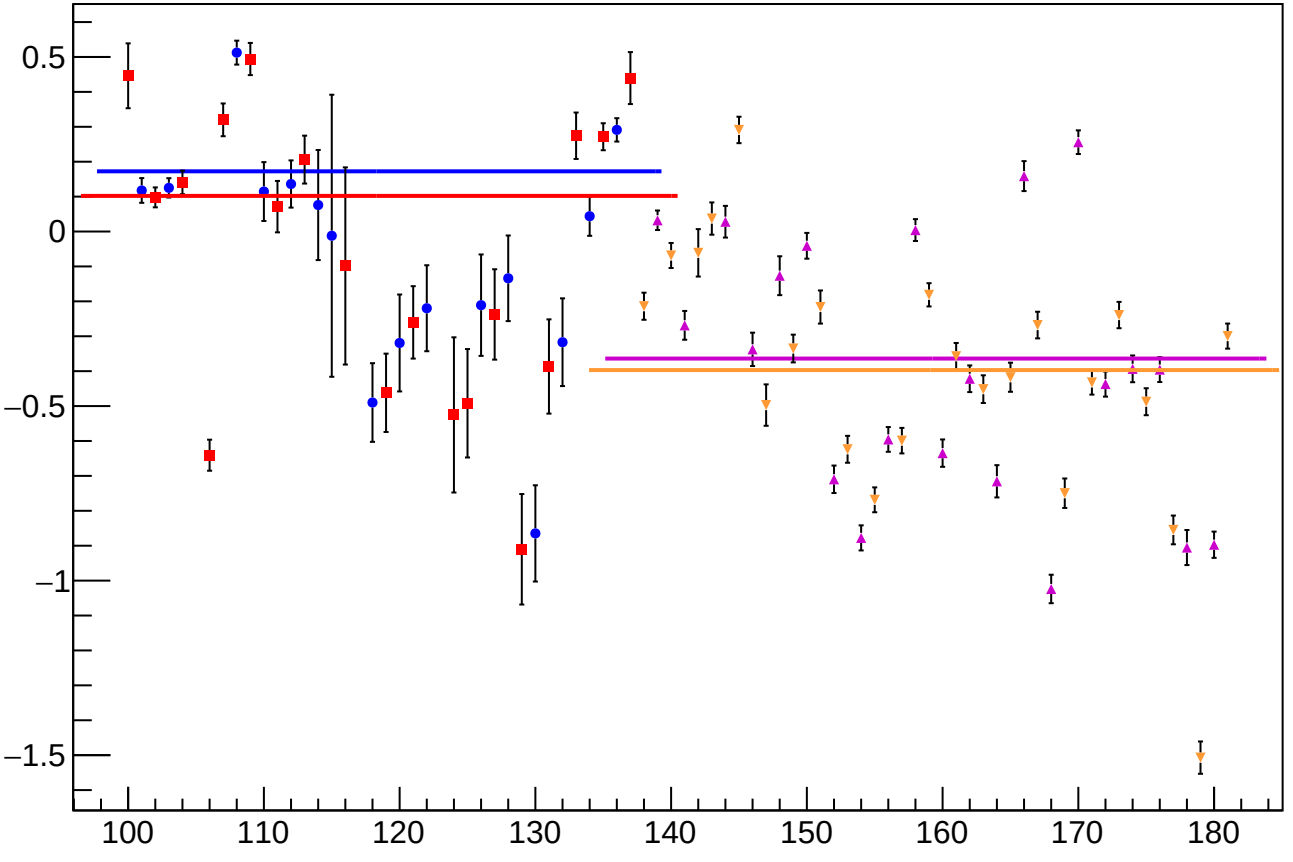
Left In: 89.407+/-0.194 χ^2/NDF:1078.3/20

+ sign 78.449+/-0.160 χ^2/NDF: 41809.1/38

All: 77.035+/-0.113 χ^2/NDF: 87780.5/78

- sign 75.608+/-0.160 χ^2/NDF: 45814.1/39

reg_asym_sam5_diff_bpm12X_slope vs Slug



Right In: 0.172+/-0.014 χ^2/NDF: 265.0/15

Left Out: -0.397+/-0.008 χ^2/NDF:1598.3/22

Right Out: 0.102+/-0.013 χ^2/NDF: 558.7/18

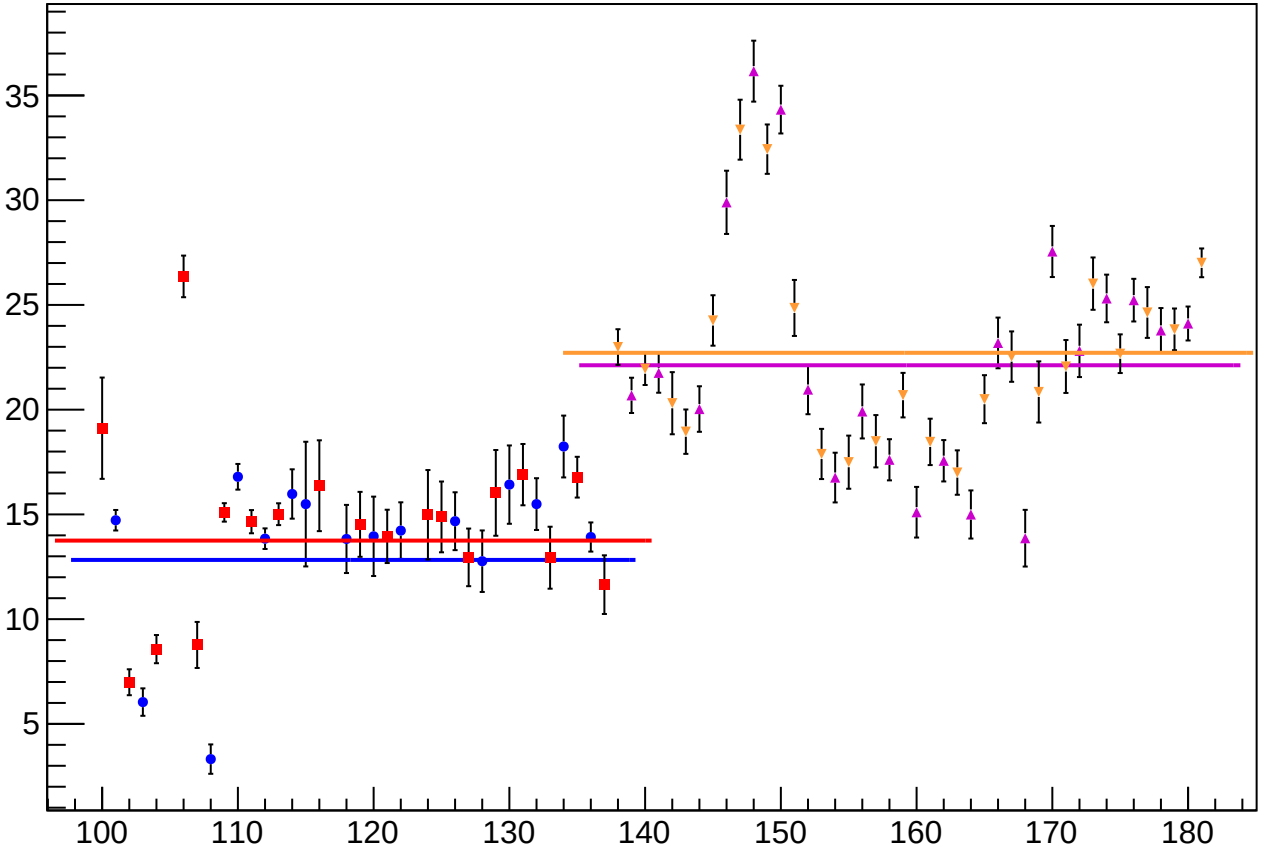
Left In: -0.364+/-0.008 χ^2/NDF:2013.3/20

+ sign -0.251+/-0.007 χ^2/NDF: 3066.6/38

All: -0.242+/-0.005 χ^2/NDF: 6505.8/78

- sign -0.234+/-0.007 χ^2/NDF: 3436.4/39

reg_asym_sam6_diff_bpm1X_slope vs Slug



Right In: 12.827+/-0.214 χ^2/NDF: 388.0/15

Left Out: 22.714+/-0.226 χ^2/NDF:291.6/22

Right Out: 13.750+/-0.204 χ^2/NDF: 404.0/18

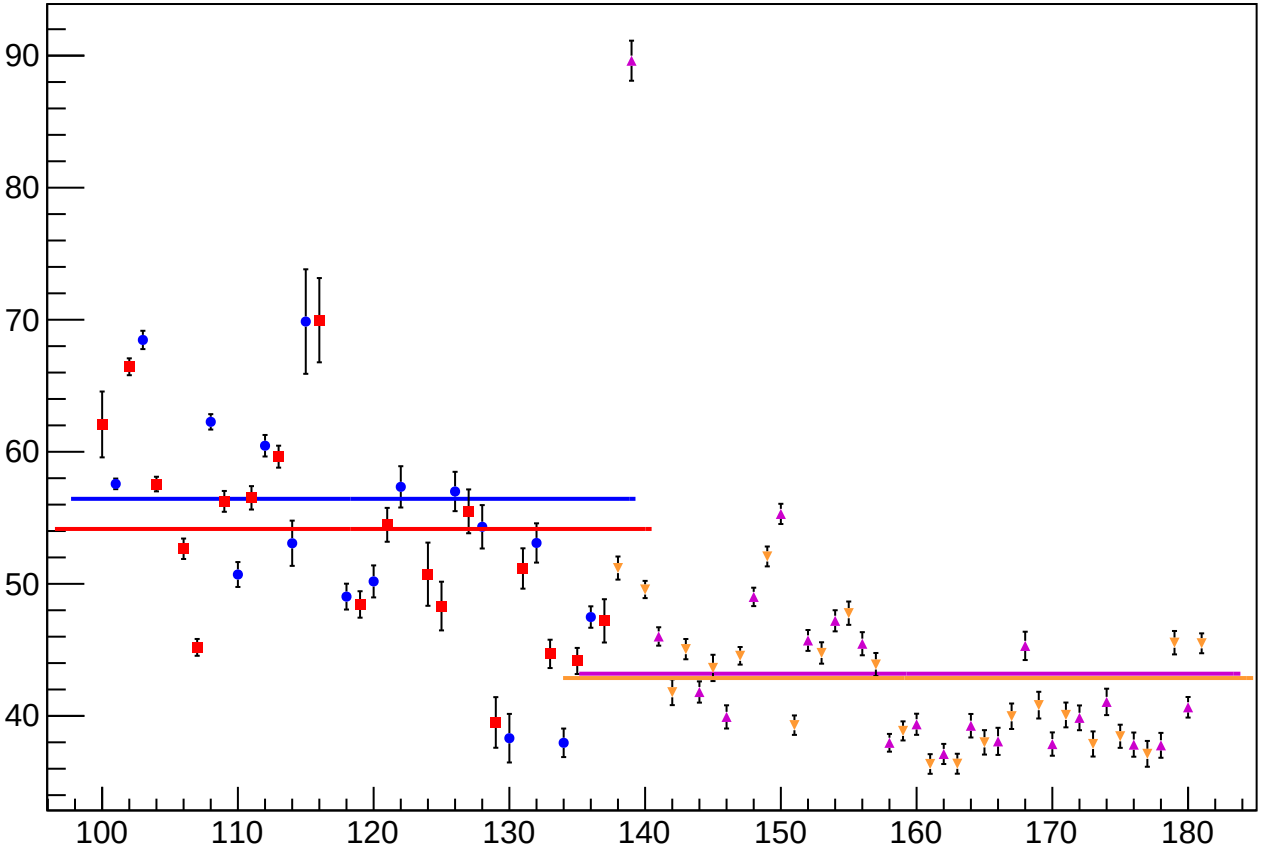
Left In: 22.120+/-0.241 χ^2/NDF:463.9/20

+ sign 17.499+/-0.155 χ^2/NDF: 1687.9/38

All: 17.376+/-0.110 χ^2/NDF: 3260.4/78

- sign 17.252+/-0.156 χ^2/NDF: 1571.3/39

reg_asym_sam6_diff_bpm4aY_slope vs Slug



Right In: 56.438+/-0.222 χ^2/NDF: 1088.0/15

Left Out: 42.867+/-0.172 χ^2/NDF:763.0/22

Right Out: 54.156+/-0.225 χ^2/NDF: 1006.6/18

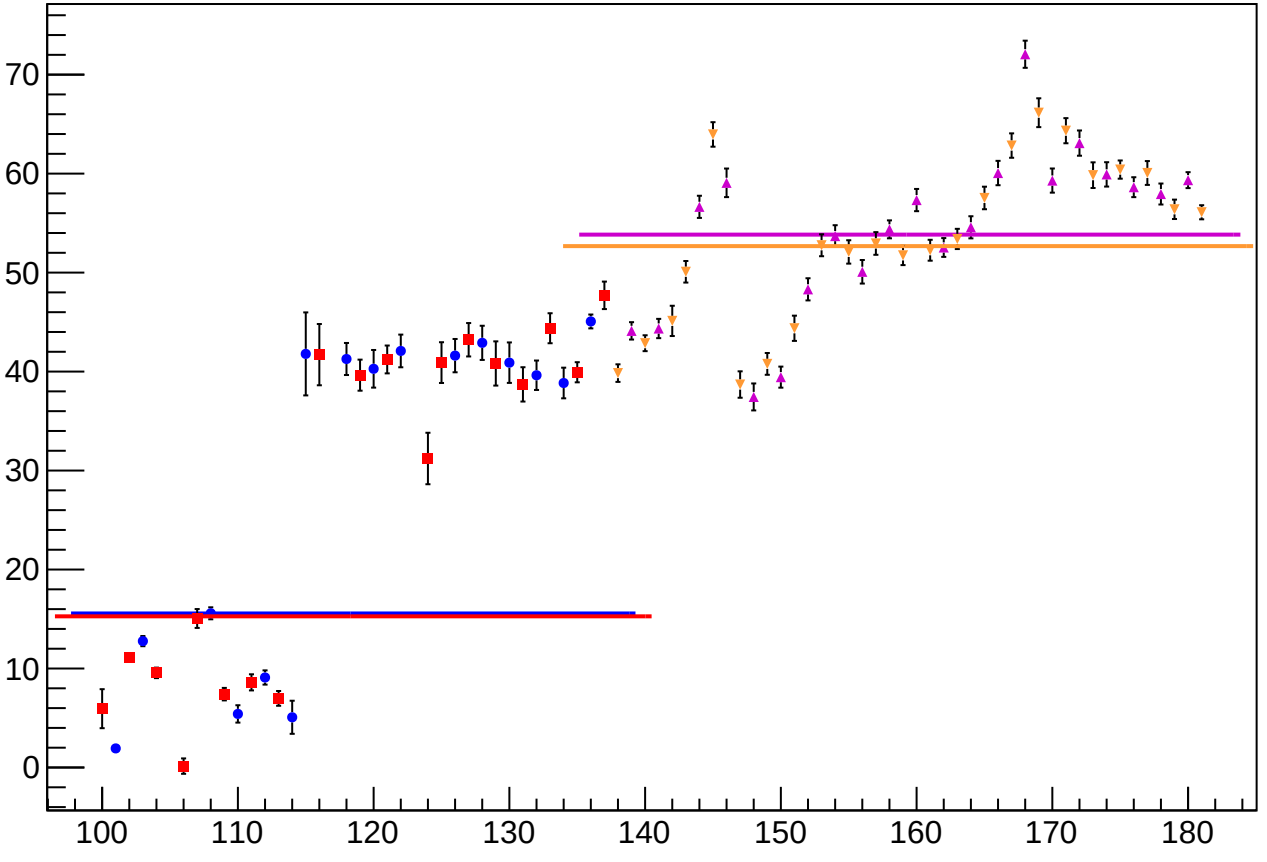
Left In: 43.197+/-0.184 χ^2/NDF:1658.4/20

+ sign 47.972+/-0.136 χ^2/NDF: 4186.1/38

All: 47.794+/-0.098 χ^2/NDF: 8280.0/78

- sign 47.600+/-0.142 χ^2/NDF: 4090.3/39

reg_asym_sam6_diff_bpm4eX_slope vs Slug



Right In: 15.561+/-0.214 χ^2/NDF: 5176.0/15

Left Out: 52.675+/-0.224 χ^2/NDF:1174.7/22

Right Out: 15.272+/-0.219 χ^2/NDF: 3873.0/18

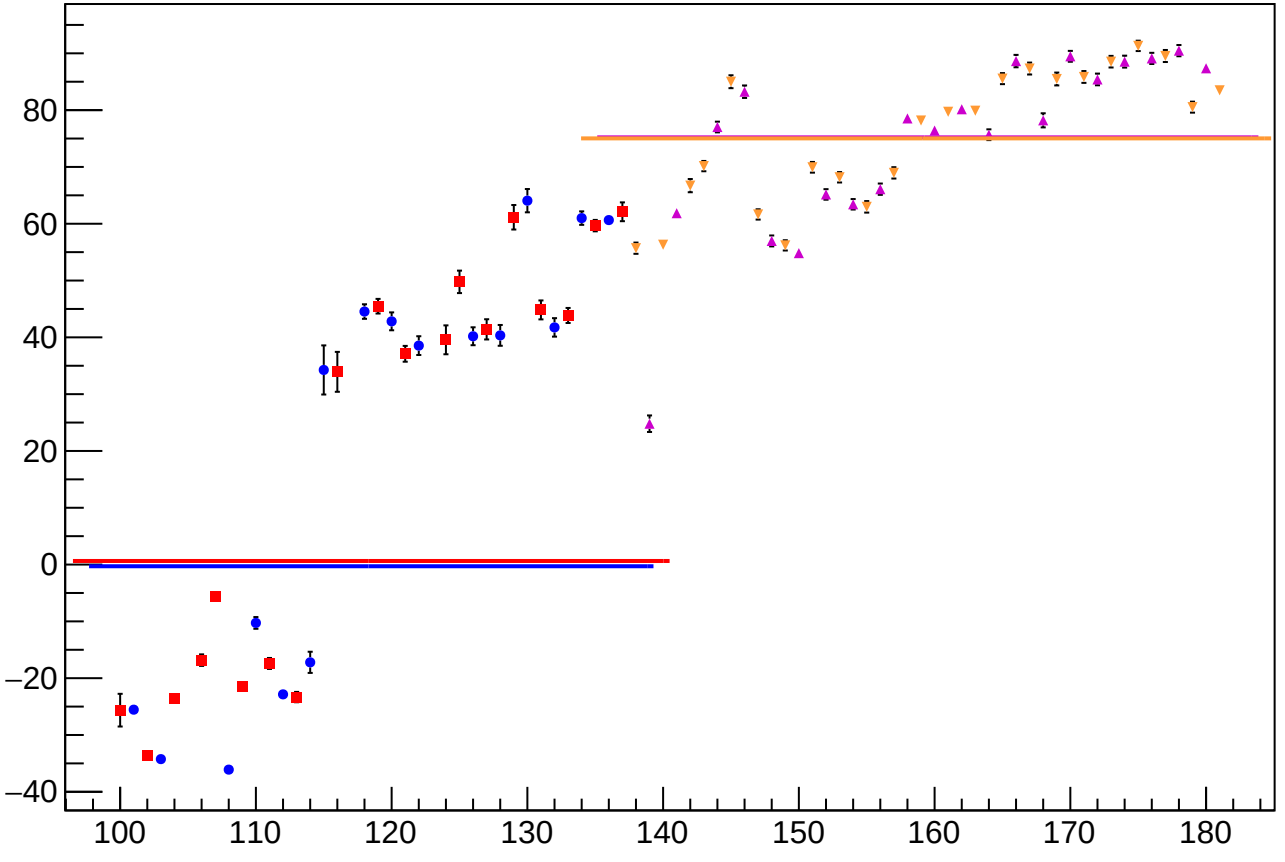
Left In: 53.836+/-0.237 χ^2/NDF:995.6/20

+ sign 33.270+/-0.155 χ^2/NDF: 20703.7/38

All: 33.178+/-0.111 χ^2/NDF: 39873.6/78

- sign 33.079+/-0.161 χ^2/NDF: 19169.1/39

reg_asym_sam6_diff_bpm4eY_slope vs Slug



Right In: -0.296+/-0.261 χ^2/NDF: 21030.9/15

Left Out: 75.025+/-0.195 χ^2/NDF:3383.7/22

Right Out: 0.633+/-0.264 χ^2/NDF: 16028.1/18

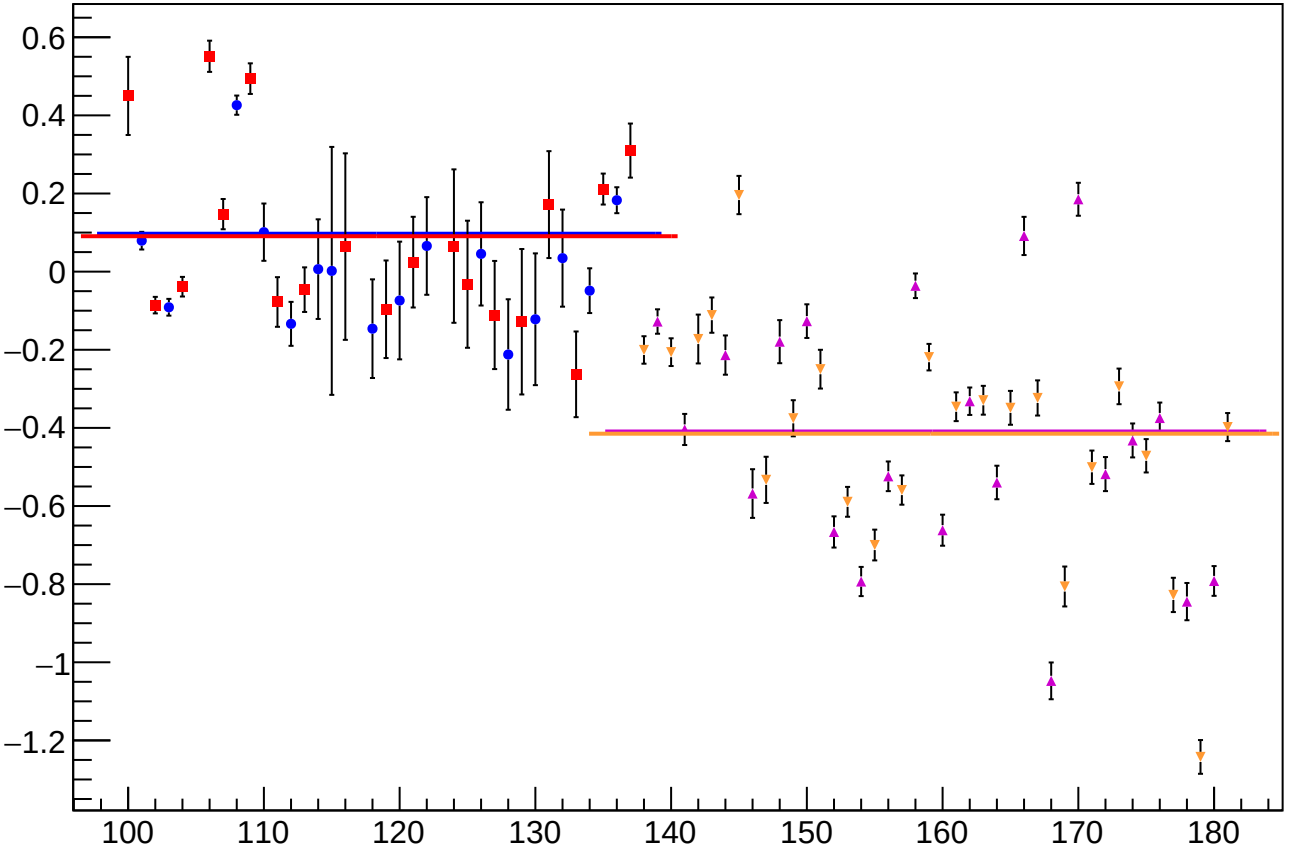
Left In: 75.209+/-0.206 χ^2/NDF:4130.1/20

+ sign 48.144+/-0.156 χ^2/NDF: 77811.4/38

All: 47.574+/-0.113 χ^2/NDF: 147714.3/78

- sign 46.960+/-0.162 χ^2/NDF: 69875.3/39

reg_asym_sam6_diff_bpm12X_slope vs Slug



Right In: 0.097+/-0.011 χ^2/NDF: 299.1/15

Left Out: -0.415+/-0.009 χ^2/NDF:966.9/22

Right Out: 0.091+/-0.011 χ^2/NDF: 399.5/18

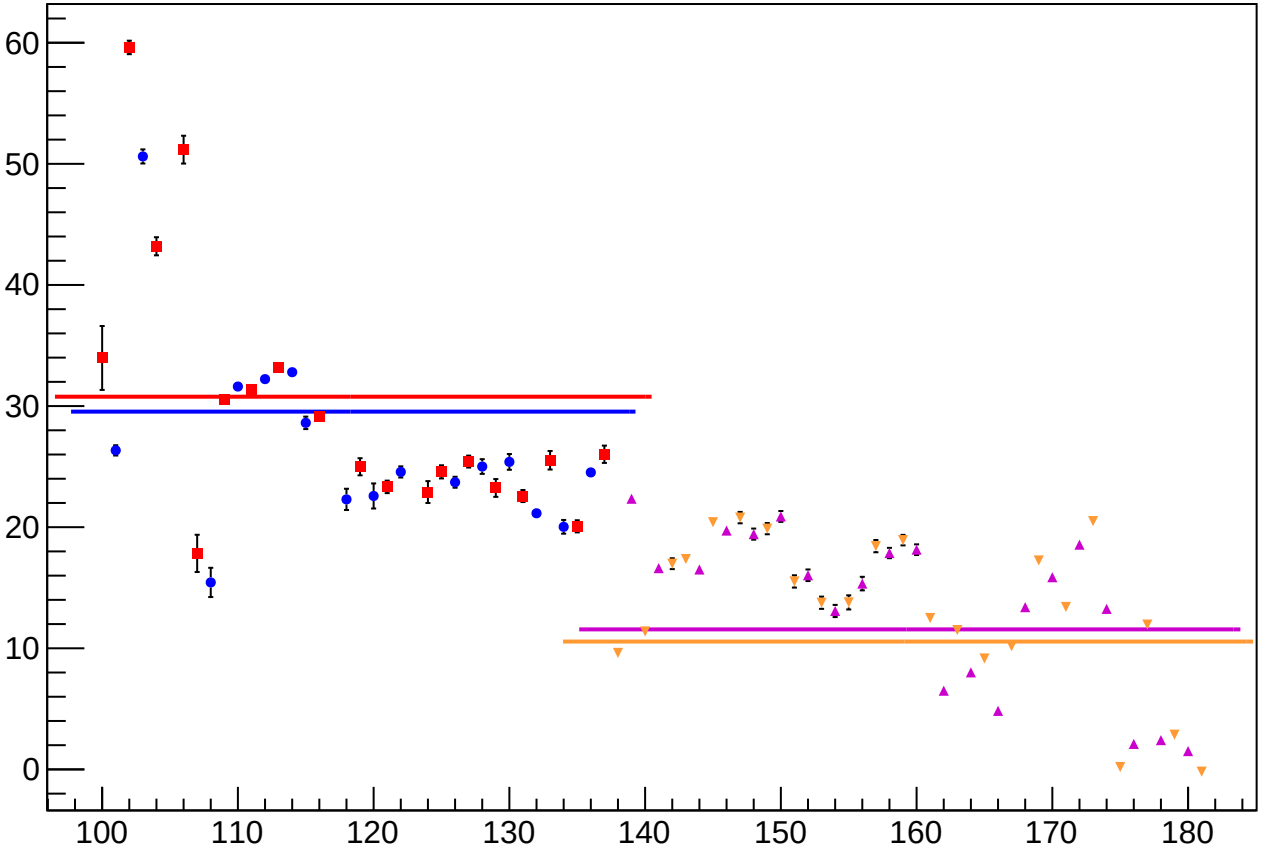
Left In: -0.409+/-0.009 χ^2/NDF:1192.9/20

+ sign -0.222+/-0.007 χ^2/NDF: 2562.7/38

All: -0.220+/-0.005 χ^2/NDF: 5344.5/78

- sign -0.218+/-0.007 χ^2/NDF: 2781.7/39

reg_asym_sam7_diff_bpm1X_slope vs Slug



Right In: 29.542+/-0.092 χ^2/NDF: 3372.2/15

Left Out: 10.556+/-0.068 χ^2/NDF:11618.7/22

Right Out: 30.774+/-0.080 χ^2/NDF: 5079.2/18

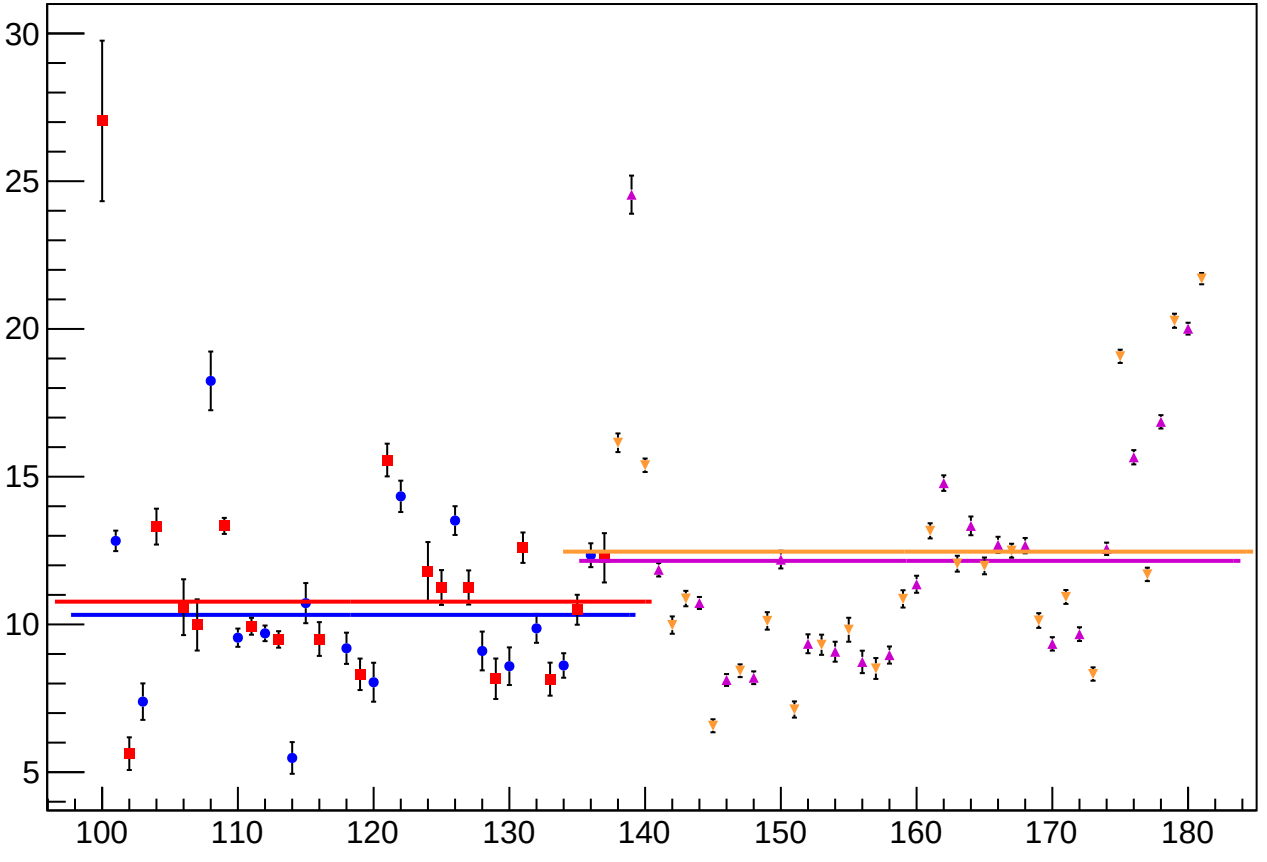
Left In: 11.561+/-0.072 χ^2/NDF:9599.8/20

\+ sign 17.287+/-0.055 χ^2/NDF: 42506.8/38

All: 18.742+/-0.038 χ^2/NDF: 90390.0/78

\- sign 20.133+/-0.054 χ^2/NDF: 46502.0/39

reg_asym_sam7_diff_bpm4aY_slope vs Slug



Right In: 10.324+/-0.114 χ^2/NDF: 402.6/15

Left Out: 12.464+/-0.053 χ^2/NDF:6947.5/22

Right Out: 10.771+/-0.113 χ^2/NDF: 415.8/18

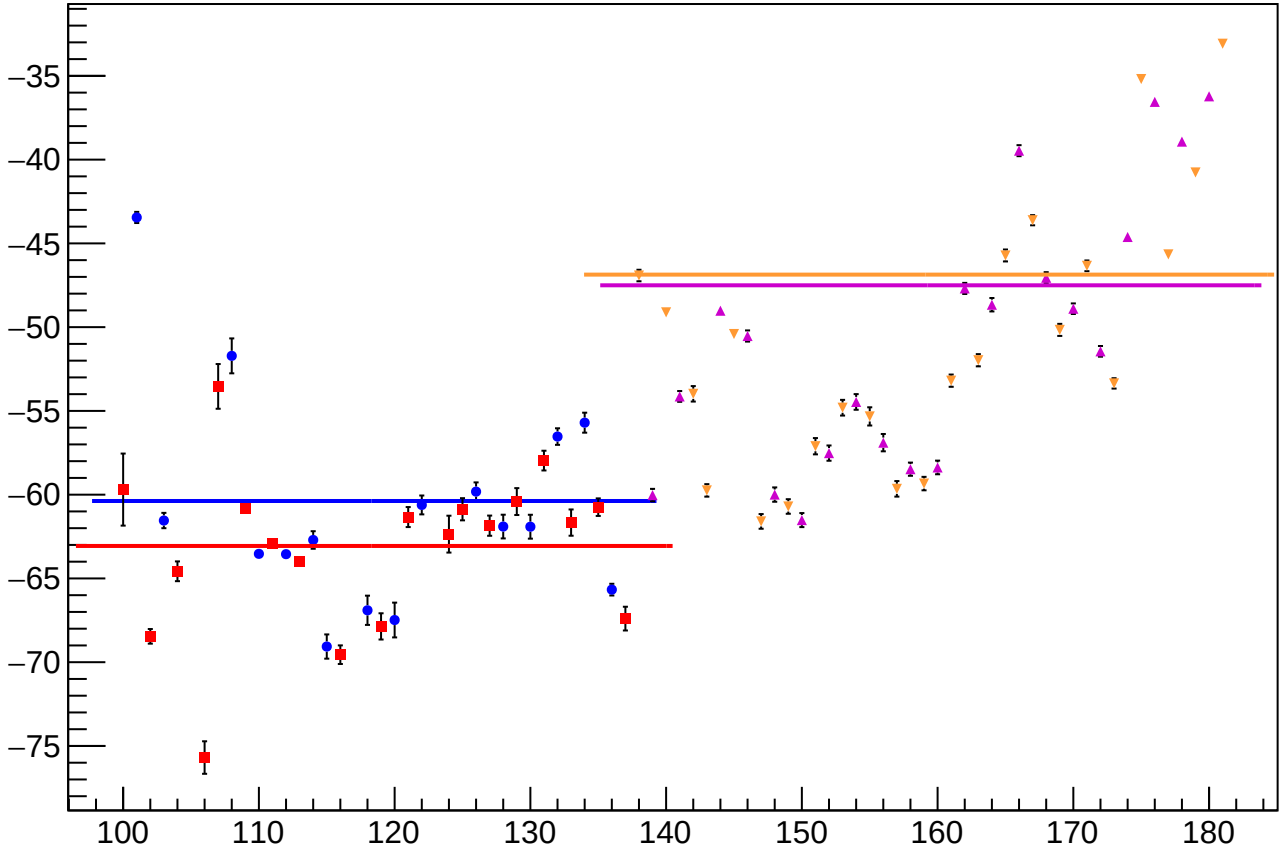
Left In: 12.151+/-0.055 χ^2/NDF:4092.3/20

\+ sign 12.081+/-0.048 χ^2/NDF: 7639.7/38

All: 11.986+/-0.035 χ^2/NDF: 12276.4/78

\- sign 11.884+/-0.050 χ^2/NDF: 4628.6/39

reg_asym_sam7_diff_bpm4eX_slope vs Slug



Right In: -60.377+/-0.113 χ^2/NDF: 3597.6/15

Left Out: -46.864+/-0.068 χ^2/NDF:16305.0/22

Right Out: -63.061+/-0.107 χ^2/NDF: 844.1/18

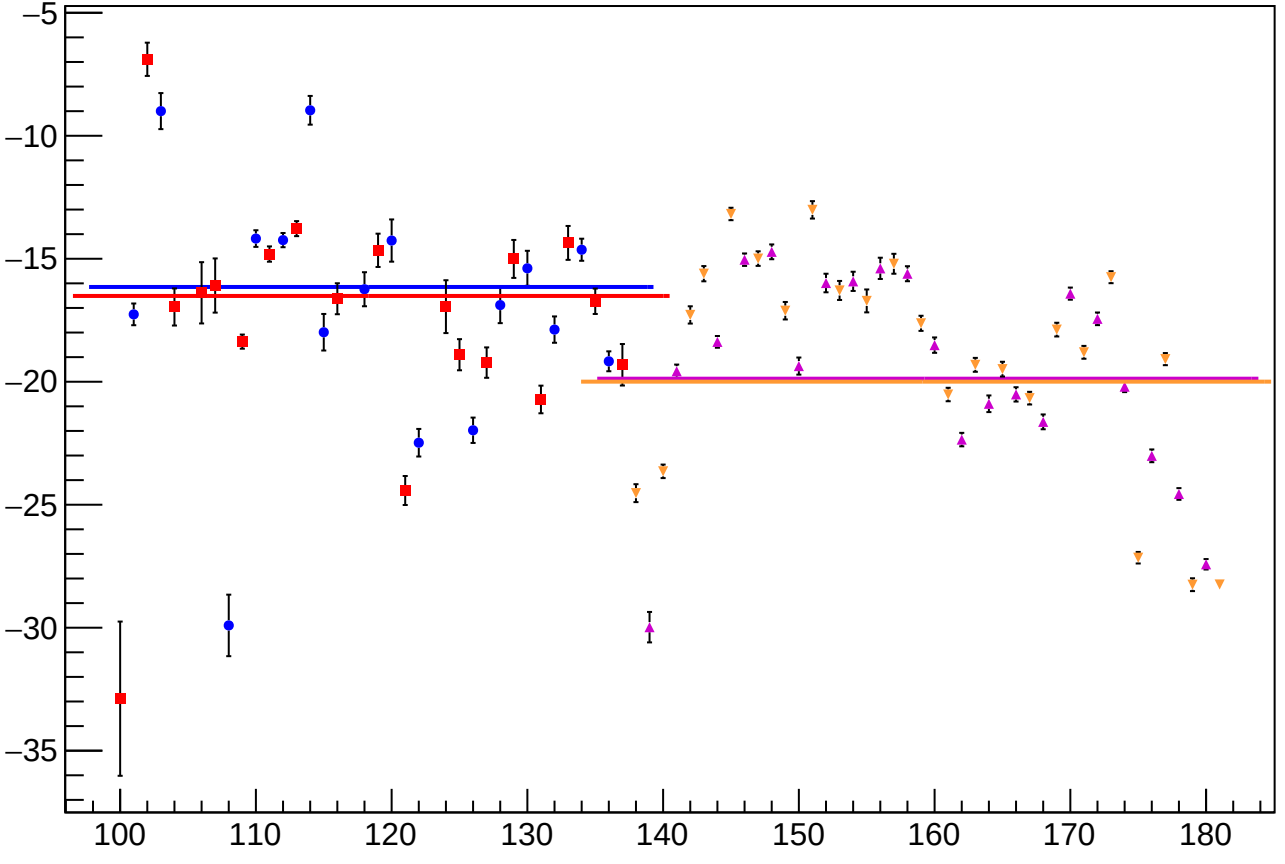
Left In: -47.502+/-0.072 χ^2/NDF:12760.2/20

+ sign -50.474+/-0.058 χ^2/NDF: 30382.2/38

All: -51.367+/-0.042 χ^2/NDF: 59025.4/78

- sign -52.296+/-0.060 χ^2/NDF: 28165.8/39

reg_asym_sam7_diff_bpm4eY_slope vs Slug



Right In: -16.147+/-0.127 χ^2/NDF: 797.1/15

Left Out: -19.996+/-0.060 χ^2/NDF:6384.6/22

Right Out: -16.512+/-0.125 χ^2/NDF: 684.7/18

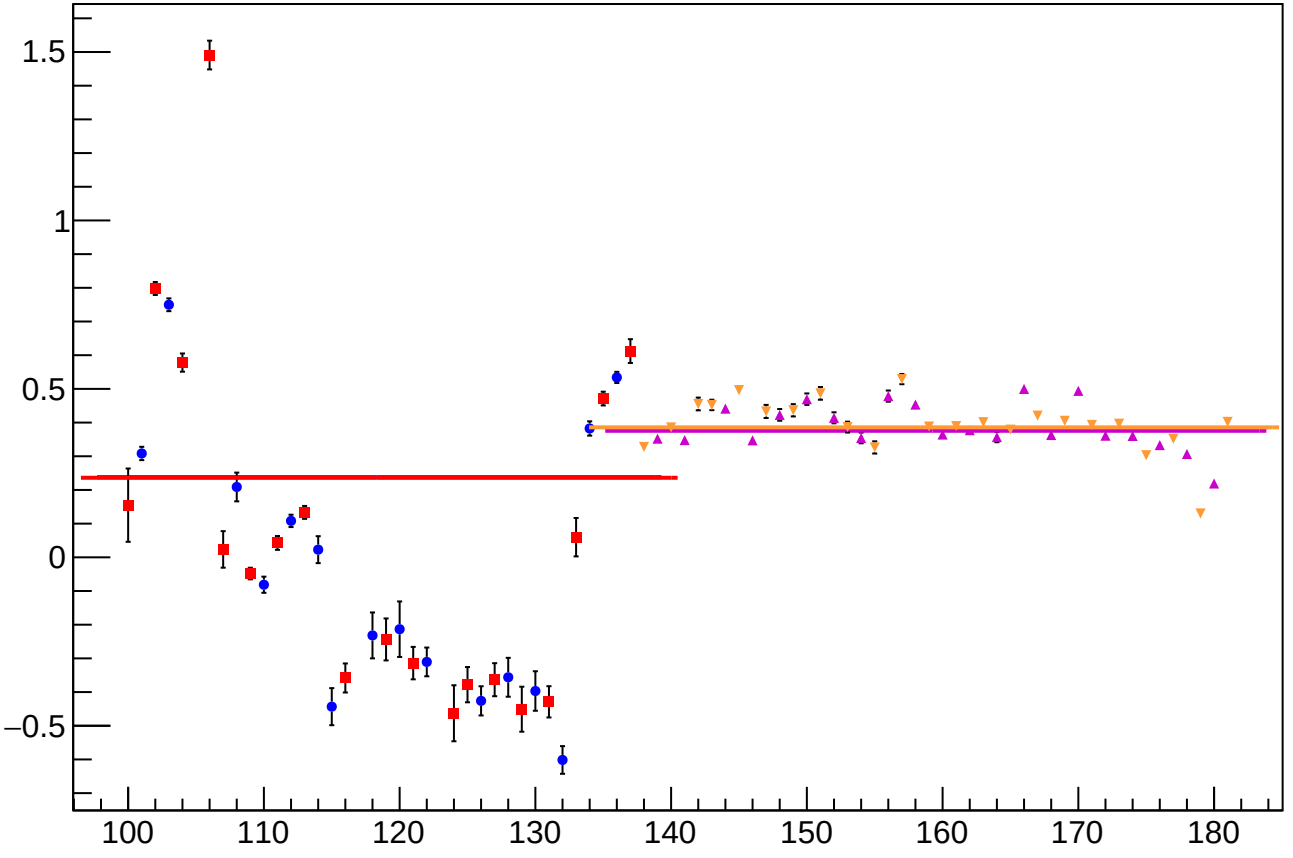
Left In: -19.876+/-0.062 χ^2/NDF:3709.1/20

+ sign -19.300+/-0.054 χ^2/NDF: 7932.2/38

All: -19.255+/-0.039 χ^2/NDF: 12911.4/78

- sign -19.208+/-0.056 χ^2/NDF: 4977.8/39

reg_asym_sam7_diff_bpm12X_slope vs Slug



Right In: 0.238+/-0.007 χ^2/NDF: 2632.9/15

Left Out: 0.386+/-0.003 χ^2/NDF:856.3/22

Right Out: 0.236+/-0.007 χ^2/NDF: 3595.0/18

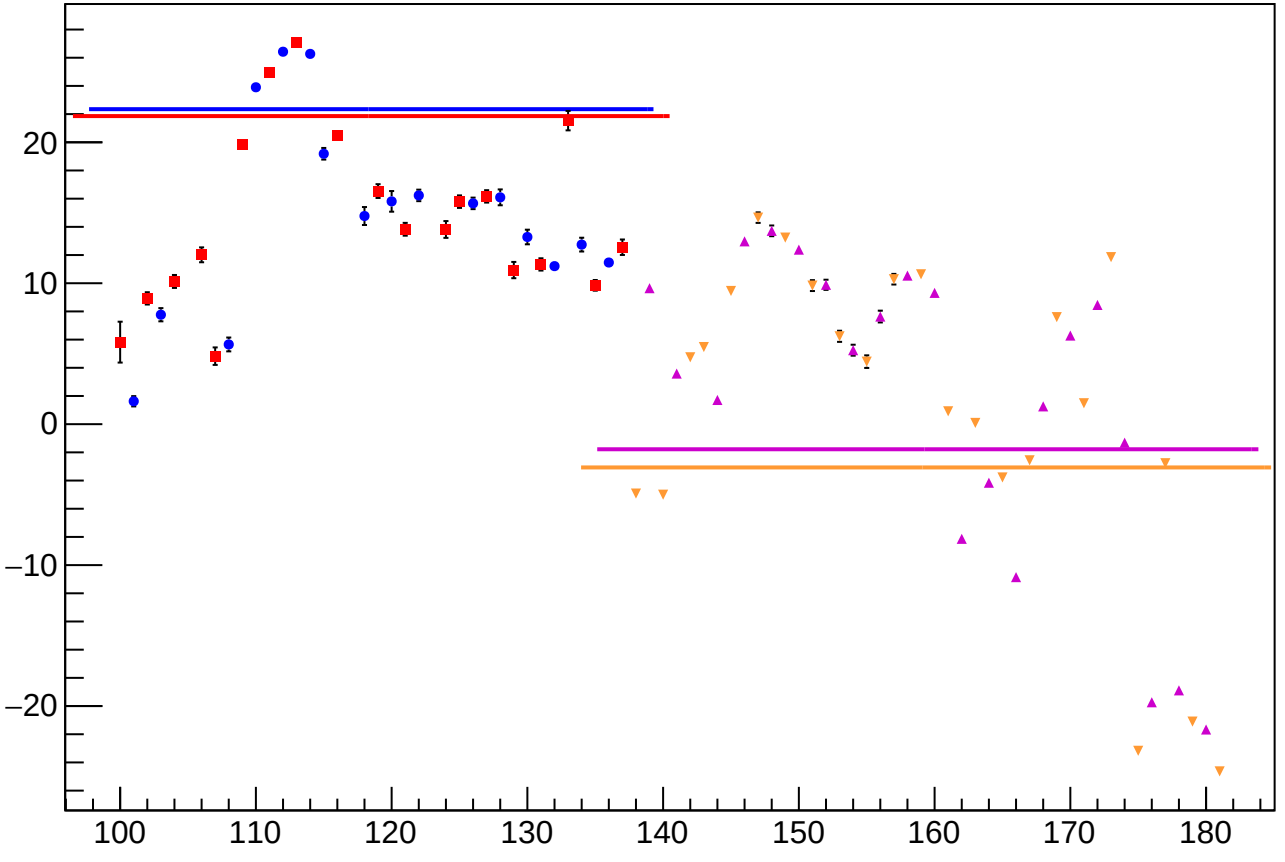
Left In: 0.376+/-0.003 χ^2/NDF:675.3/20

+ sign 0.367+/-0.003 χ^2/NDF: 3872.5/38

All: 0.362+/-0.002 χ^2/NDF: 8485.7/78

- sign 0.357+/-0.003 χ^2/NDF: 4605.9/39

reg_asym_sam8_diff_bpm1X_slope vs Slug



Right In: 22.350+/-0.057 χ^2/NDF: 12336.9/15

Left Out: -3.070+/-0.057 χ^2/NDF:49541.7/22

Right Out: 21.859+/-0.046 χ^2/NDF: 10692.4/18

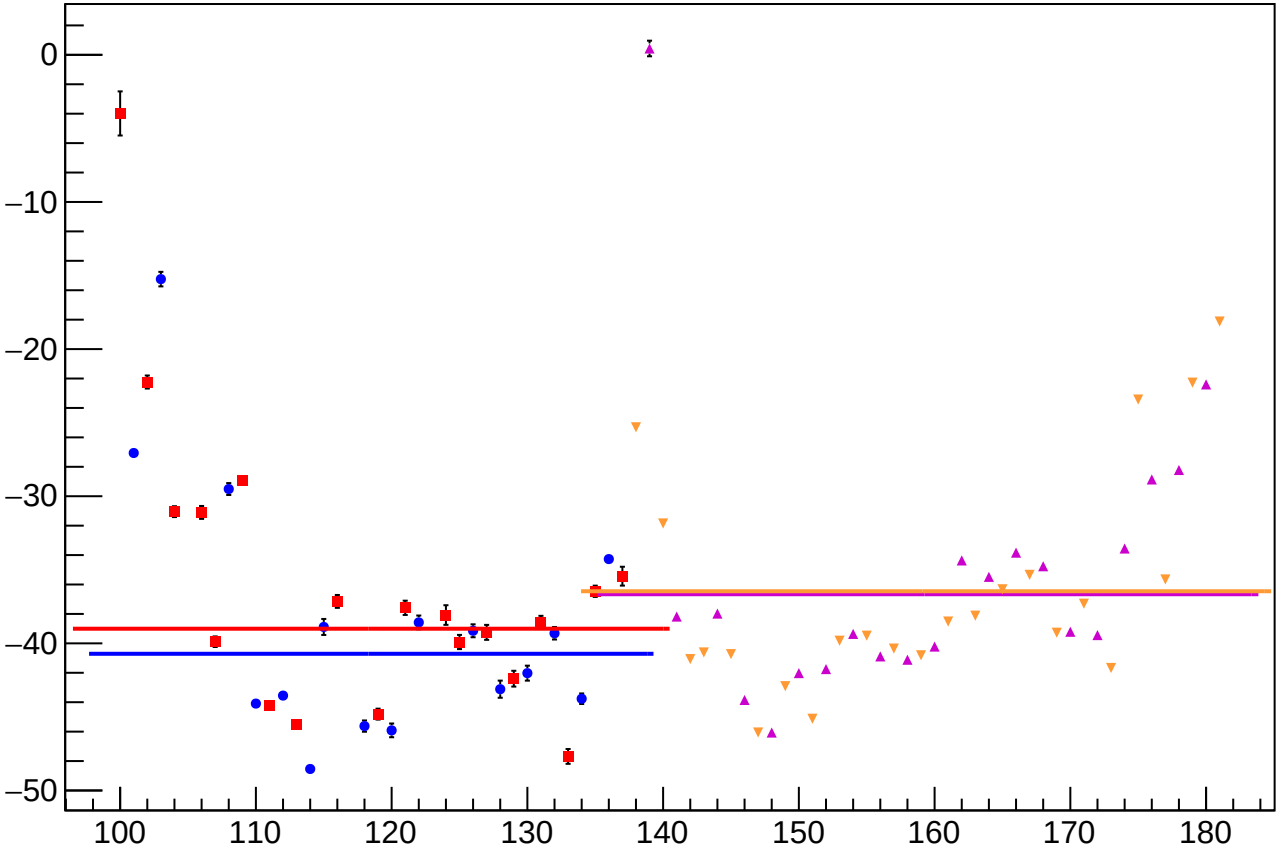
Left In: -1.780+/-0.061 χ^2/NDF:37192.2/20

+ sign 9.790+/-0.040 χ^2/NDF: 161697.3/38

All: 11.633+/-0.027 χ^2/NDF: 309238.7/78

- sign 13.176+/-0.037 χ^2/NDF: 143686.7/39

reg_asym_sam8_diff_bpm4aY_slope vs Slug



Right In: -40.709+/-0.076 χ^2/NDF: 7780.4/15

Left Out: -36.459+/-0.044 χ^2/NDF:29772.4/22

Right Out: -39.005+/-0.071 χ^2/NDF: 10101.3/18

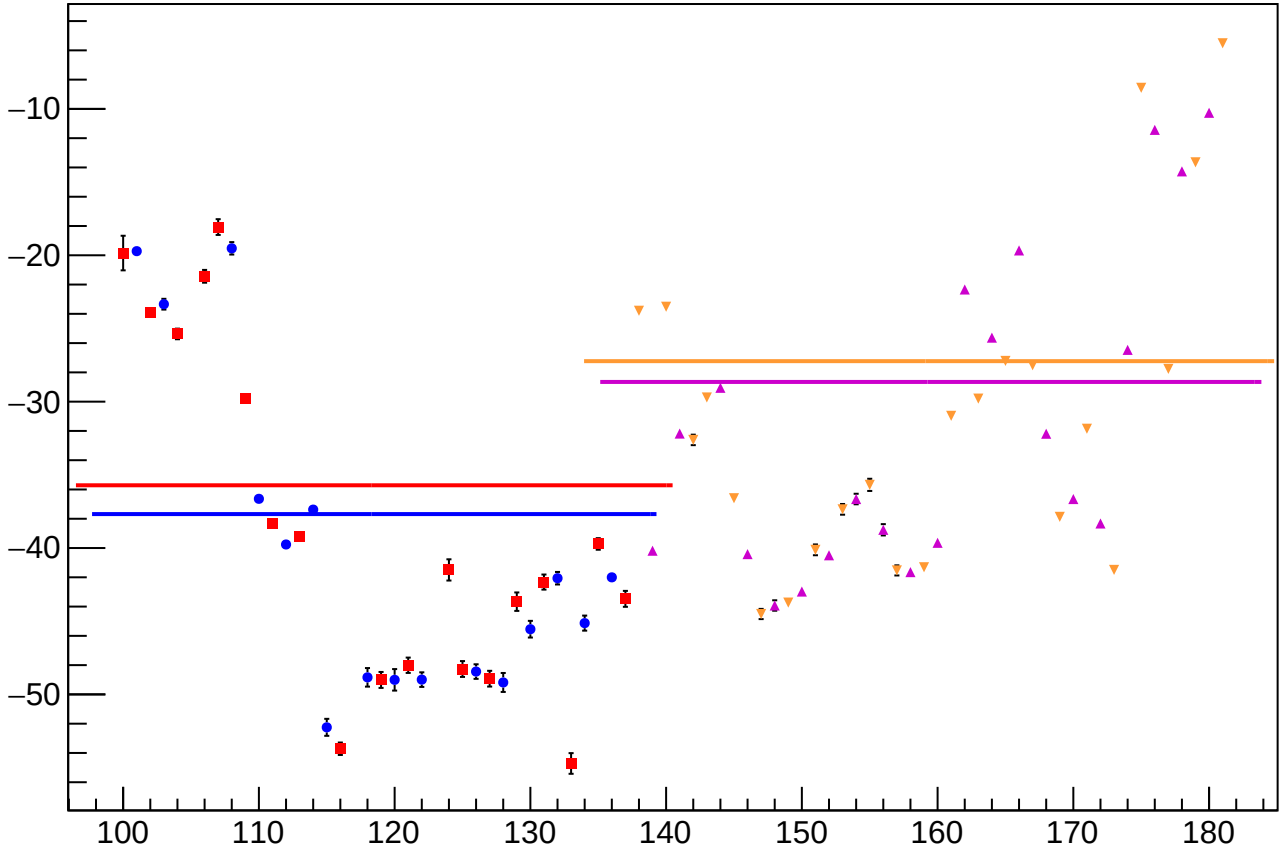
Left In: -36.662+/-0.046 χ^2/NDF:20890.7/20

+ sign -37.507+/-0.038 χ^2/NDF: 39878.7/38

All: -37.437+/-0.027 χ^2/NDF: 71640.3/78

- sign -37.363+/-0.039 χ^2/NDF: 31754.5/39

reg_asym_sam8_diff_bpm4eX_slope vs Slug



Right In: -37.681+/-0.074 χ^2/NDF: 10853.9/15

Left Out: -27.233+/-0.057 χ^2/NDF:43900.0/22

Right Out: -35.714+/-0.064 χ^2/NDF: 13274.5/18

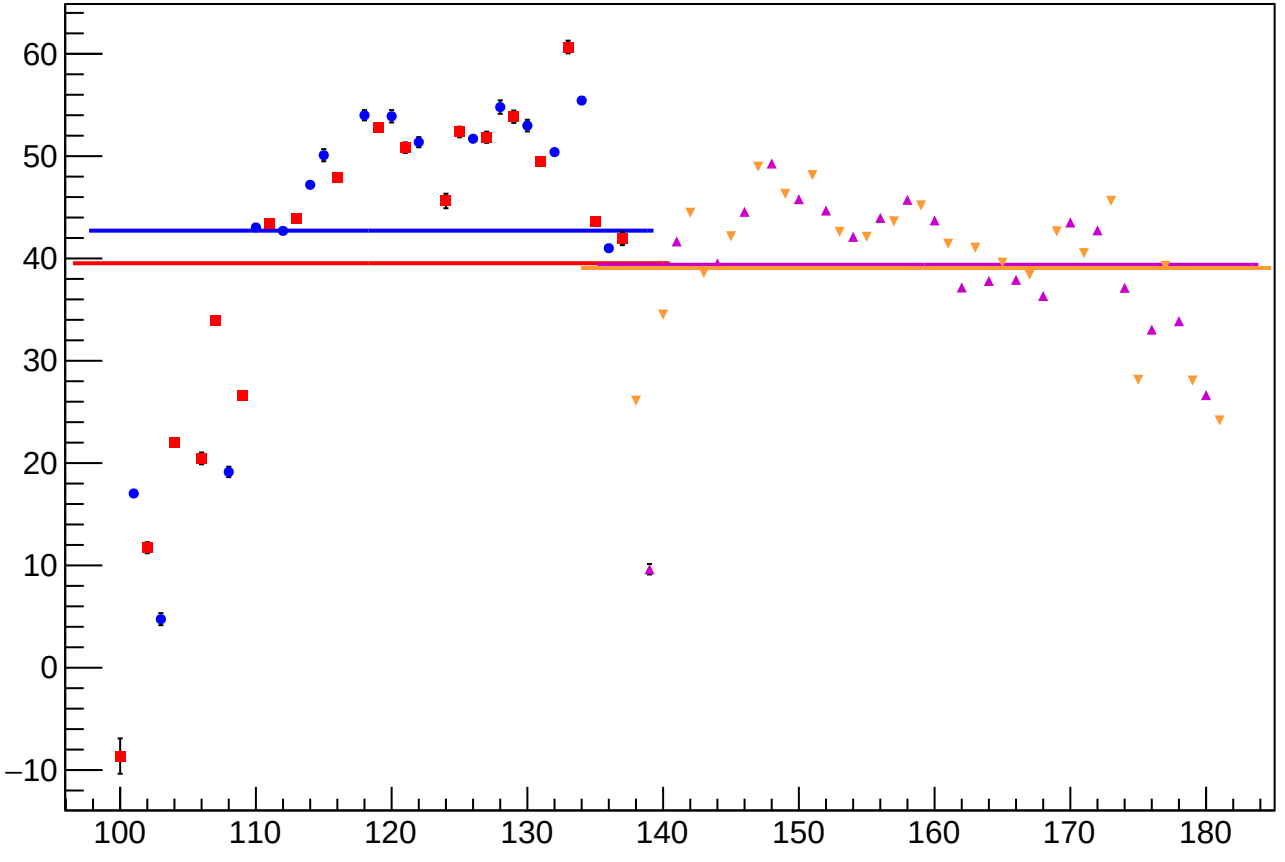
Left In: -28.653+/-0.060 χ^2/NDF:34191.1/20

+ sign -31.149+/-0.045 χ^2/NDF: 67302.9/38

All: -31.562+/-0.032 χ^2/NDF: 121346.5/78

- sign -31.955+/-0.044 χ^2/NDF: 53880.0/39

reg_asym_sam8_diff_bpm4eY_slope vs Slug



Right In: 42.718+/-0.085 χ^2/NDF: 14765.0/15

Left Out: 39.068+/-0.049 χ^2/NDF:19623.2/22

Right Out: 39.533+/-0.078 χ^2/NDF: 17978.2/18

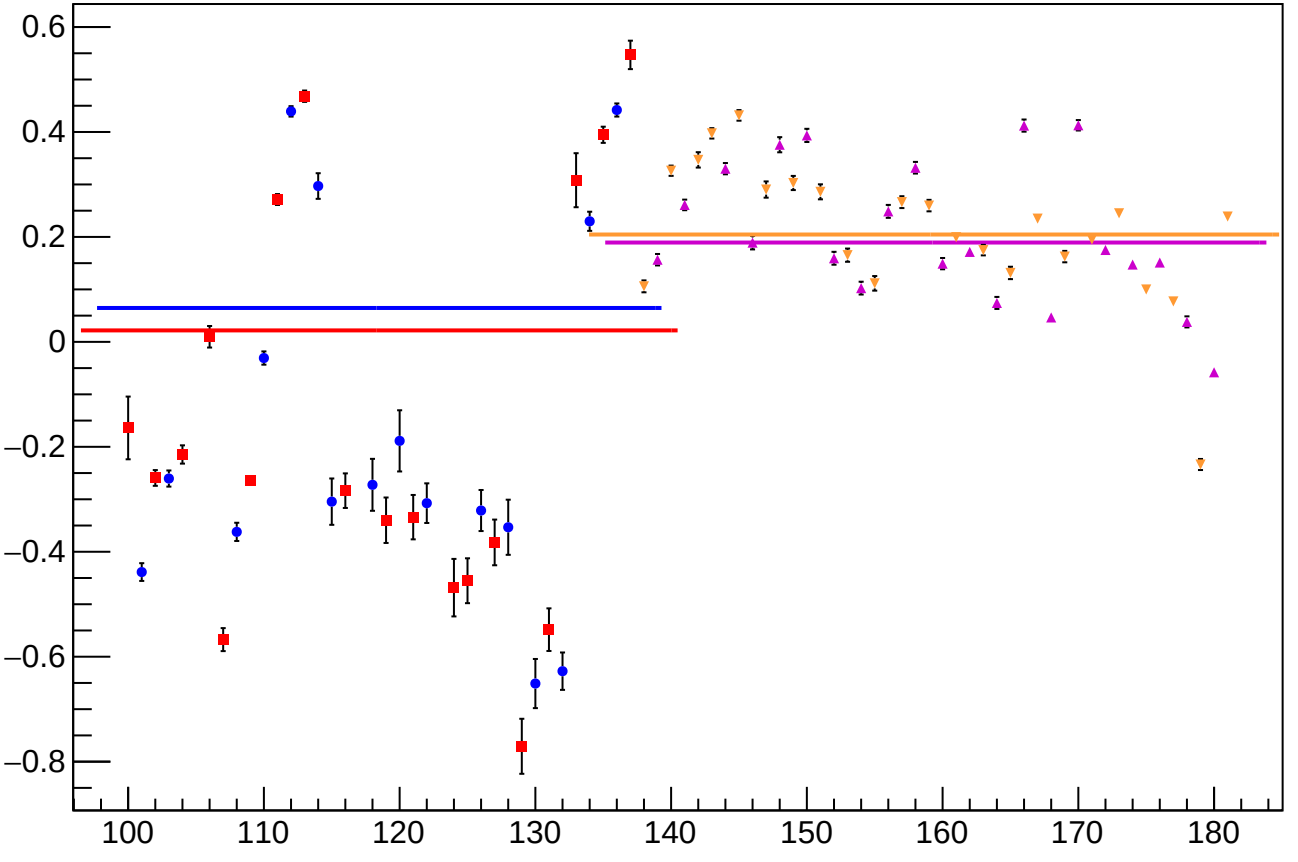
Left In: 39.382+/-0.052 χ^2/NDF:14359.0/20

+ sign 39.990+/-0.043 χ^2/NDF: 35764.7/38

All: 39.713+/-0.030 χ^2/NDF: 68189.5/78

- sign 39.429+/-0.043 χ^2/NDF: 32339.8/39

reg_asym_sam8_diff_bpm12X_slope vs Slug



Right In: 0.065+/-0.005 χ^2/NDF: 5497.5/15

Left Out: 0.205+/-0.002 χ^2/NDF:3590.2/22

Right Out: 0.022+/-0.004 χ^2/NDF: 6405.3/18

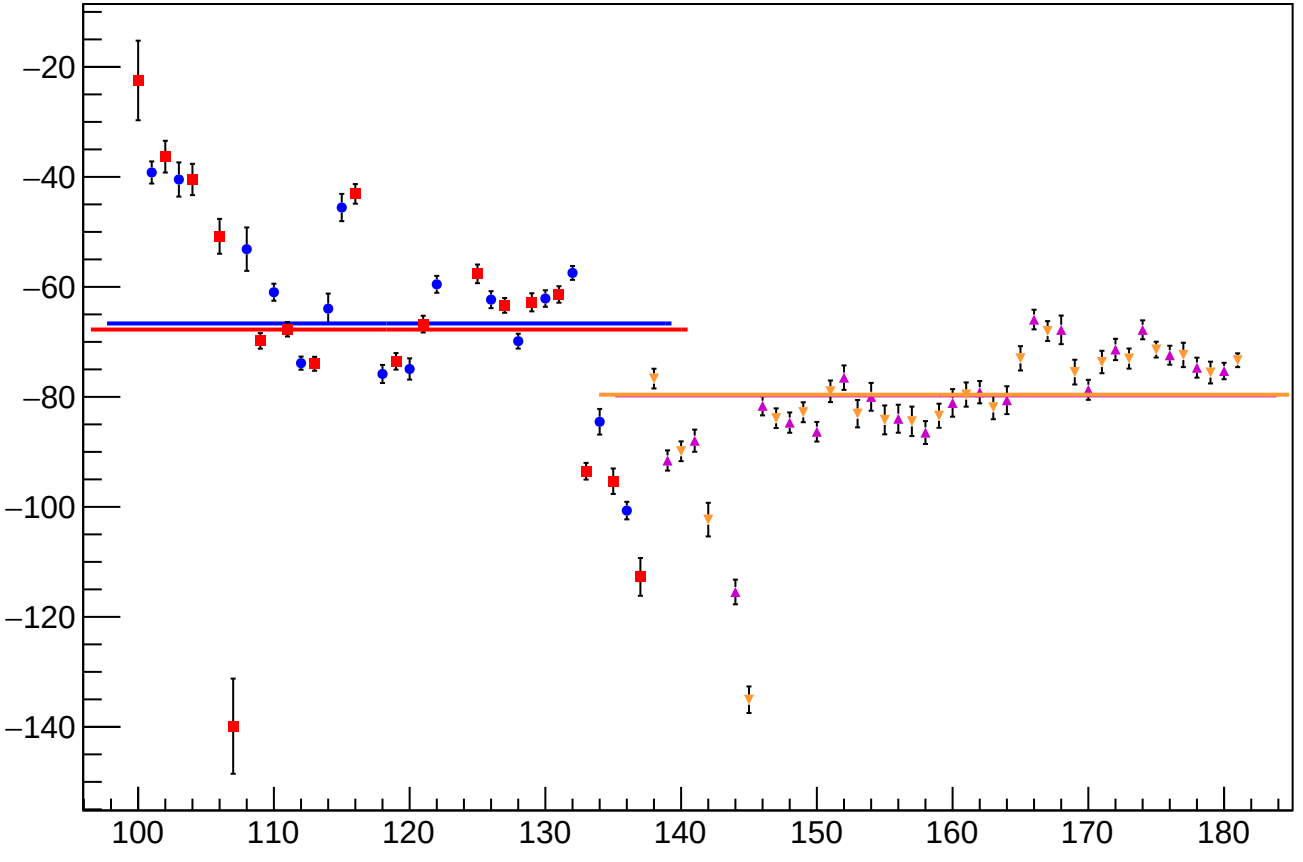
Left In: 0.189+/-0.002 χ^2/NDF:3095.3/20

+ sign 0.180+/-0.002 χ^2/NDF: 9776.7/38

All: 0.167+/-0.001 χ^2/NDF: 20505.9/78

- sign 0.153+/-0.002 χ^2/NDF: 10640.7/39

reg_asym_usl_diff_bpm1X_slope vs Slug



Right In: -66.648+/-0.426 χ^2/NDF: 1052.4/15

Left Out: -79.600+/-0.420 χ^2/NDF:788.2/21

Right Out: -67.755+/-0.419 χ^2/NDF: 1255.4/17

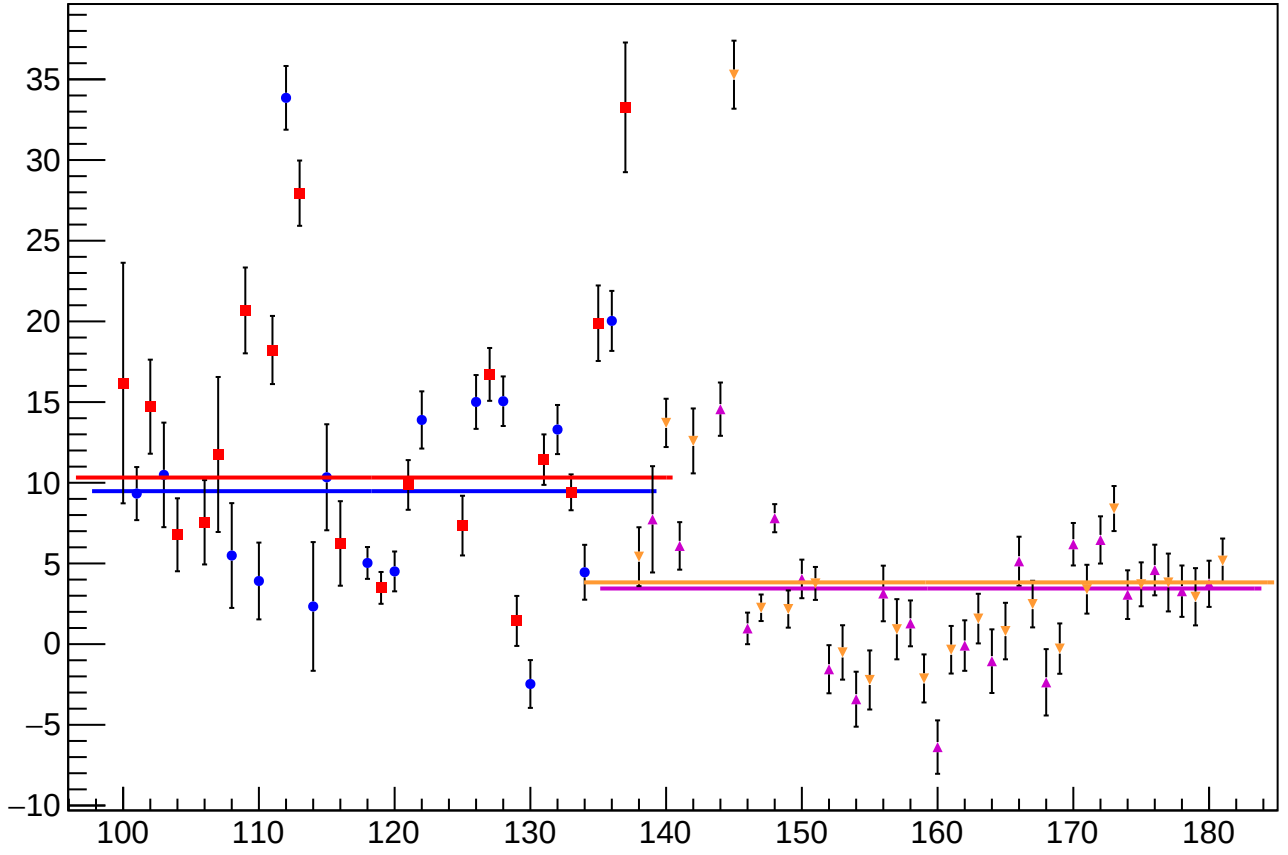
Left In: -79.725+/-0.429 χ^2/NDF:532.1/20

+ sign -73.222+/-0.299 χ^2/NDF: 2309.6/37

All: -73.413+/-0.212 χ^2/NDF: 4495.9/76

- sign -73.605+/-0.300 χ^2/NDF: 2185.4/38

reg_asym_usl_diff_bpm4aY_slope vs Slug



Right In: 9.480+/-0.428 χ^2/NDF: 341.9/15

Left Out: 3.827+/-0.308 χ^2/NDF:360.7/21

Right Out: 10.324+/-0.436 χ^2/NDF: 263.4/17

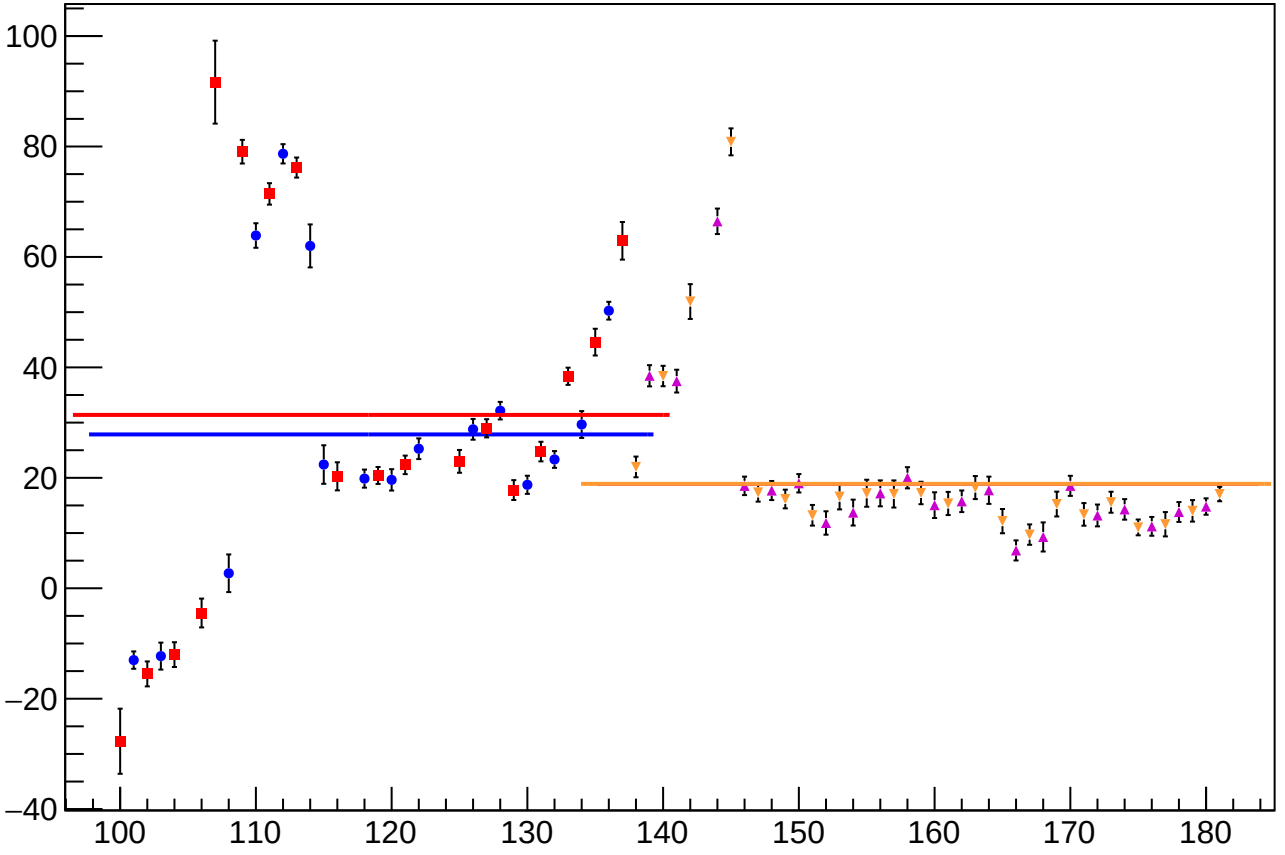
Left In: 3.447+/-0.315 χ^2/NDF:175.6/20

+ sign 5.754+/-0.250 χ^2/NDF: 817.6/37

All: 5.781+/-0.179 χ^2/NDF: 1420.3/76

- sign 5.809+/-0.255 χ^2/NDF: 602.7/38

reg_asym_usl_diff_bpm4eX_slope vs Slug



Right In: 27.860+/-0.482 χ^2/NDF: 2474.0/15

Left Out: 18.908+/-0.414 χ^2/NDF:983.5/21

Right Out: 31.394+/-0.488 χ^2/NDF: 3011.4/17

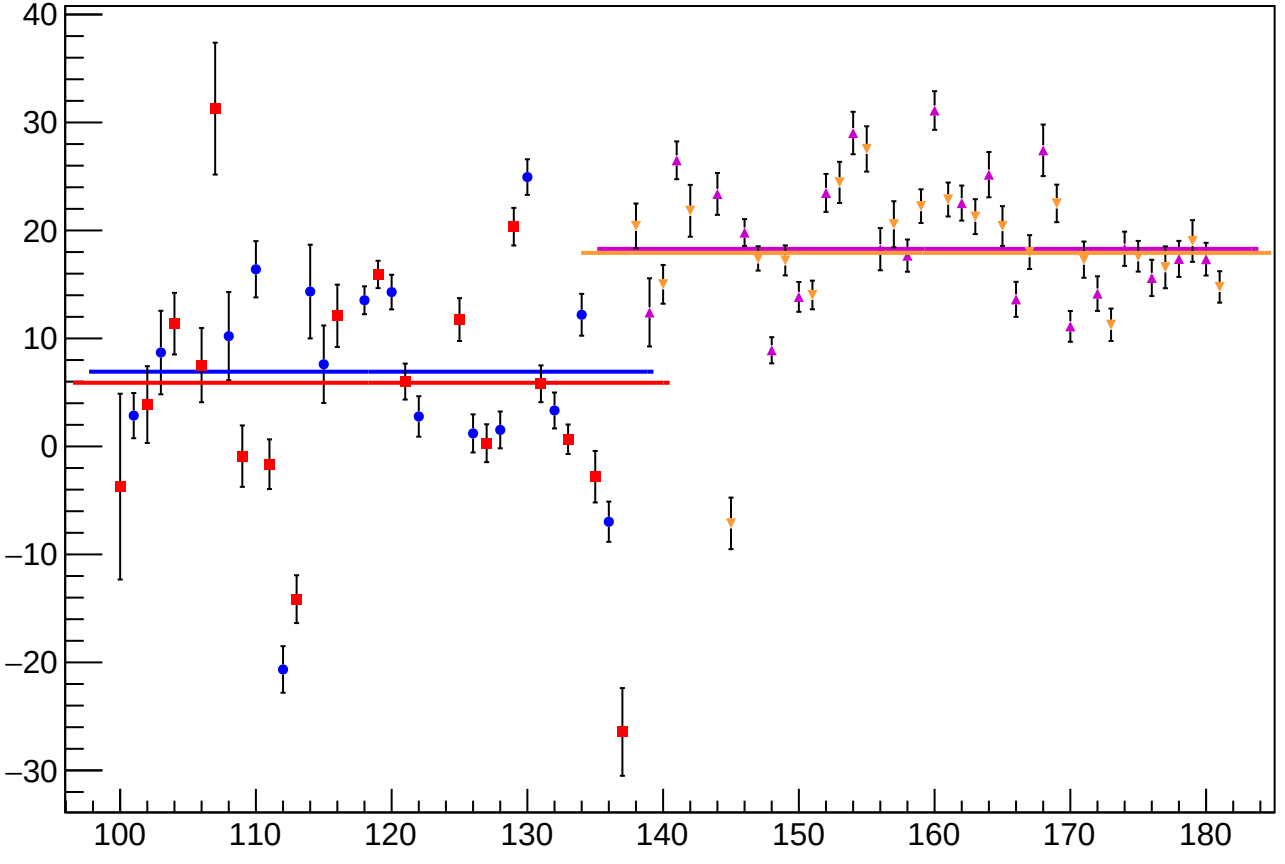
Left In: 18.877+/-0.422 χ^2/NDF:740.2/20

+ sign 22.709+/-0.314 χ^2/NDF: 3655.6/37

All: 23.462+/-0.224 χ^2/NDF: 7795.6/76

- sign 24.239+/-0.319 χ^2/NDF: 4128.4/38

reg_asym_usl_diff_bpm4eY_slope vs Slug



Right In: 6.922+/-0.496 χ^2/NDF: 444.3/15

Left Out: 17.924+/-0.353 χ^2/NDF:216.0/21

Right Out: 5.896+/-0.502 χ^2/NDF: 367.7/17

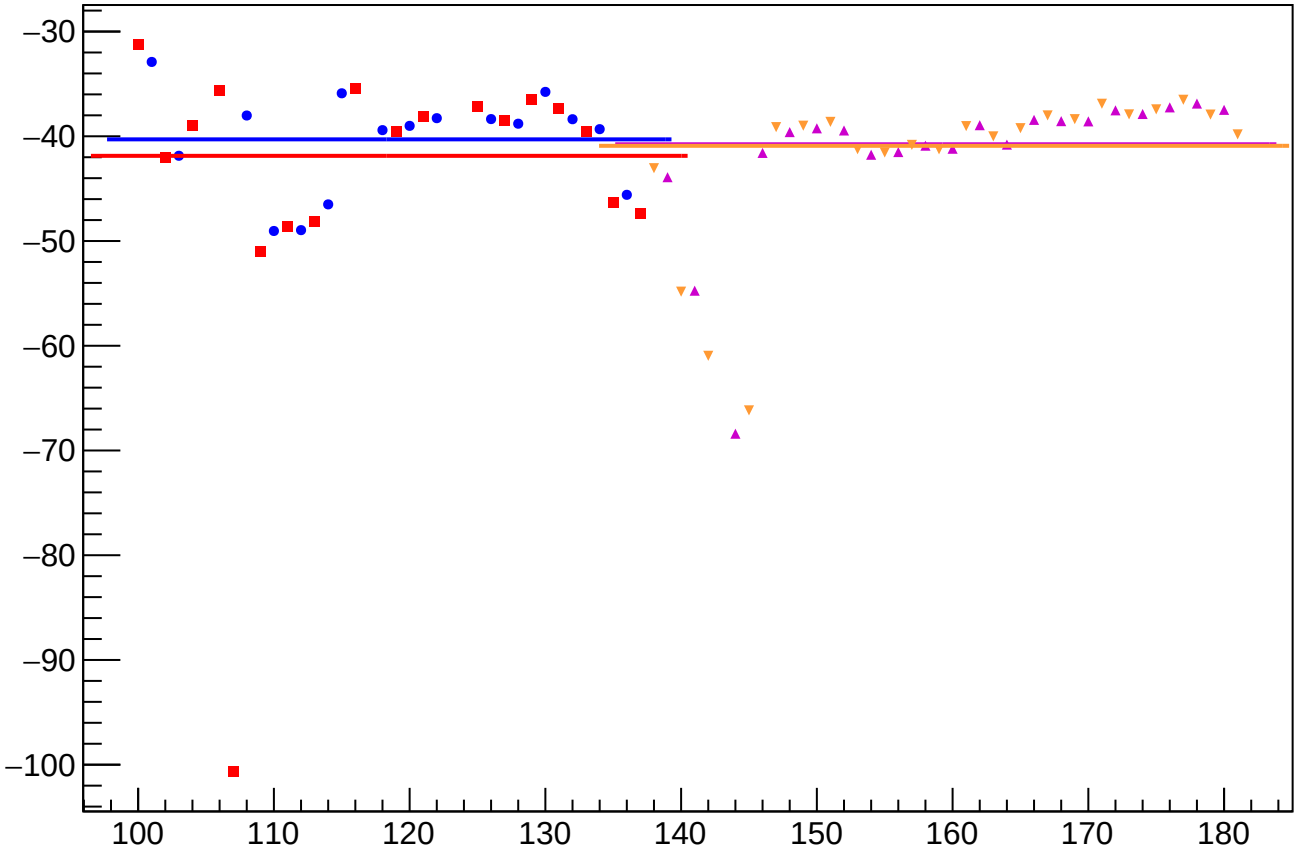
Left In: 18.295+/-0.360 χ^2/NDF:269.7/20

+ sign 14.219+/-0.288 χ^2/NDF: 987.2/37

All: 14.154+/-0.205 χ^2/NDF: 2028.1/76

- sign 14.087+/-0.292 χ^2/NDF: 1040.8/38

reg_asym_usl_diff_bpm12X_slope vs Slug



Right In: -40.293+/-0.031 χ^2/NDF: 20663.5/15

Left Out: -40.909+/-0.016 χ^2/NDF:141332.9/21

Right Out: -41.867+/-0.032 χ^2/NDF: 58734.8/17

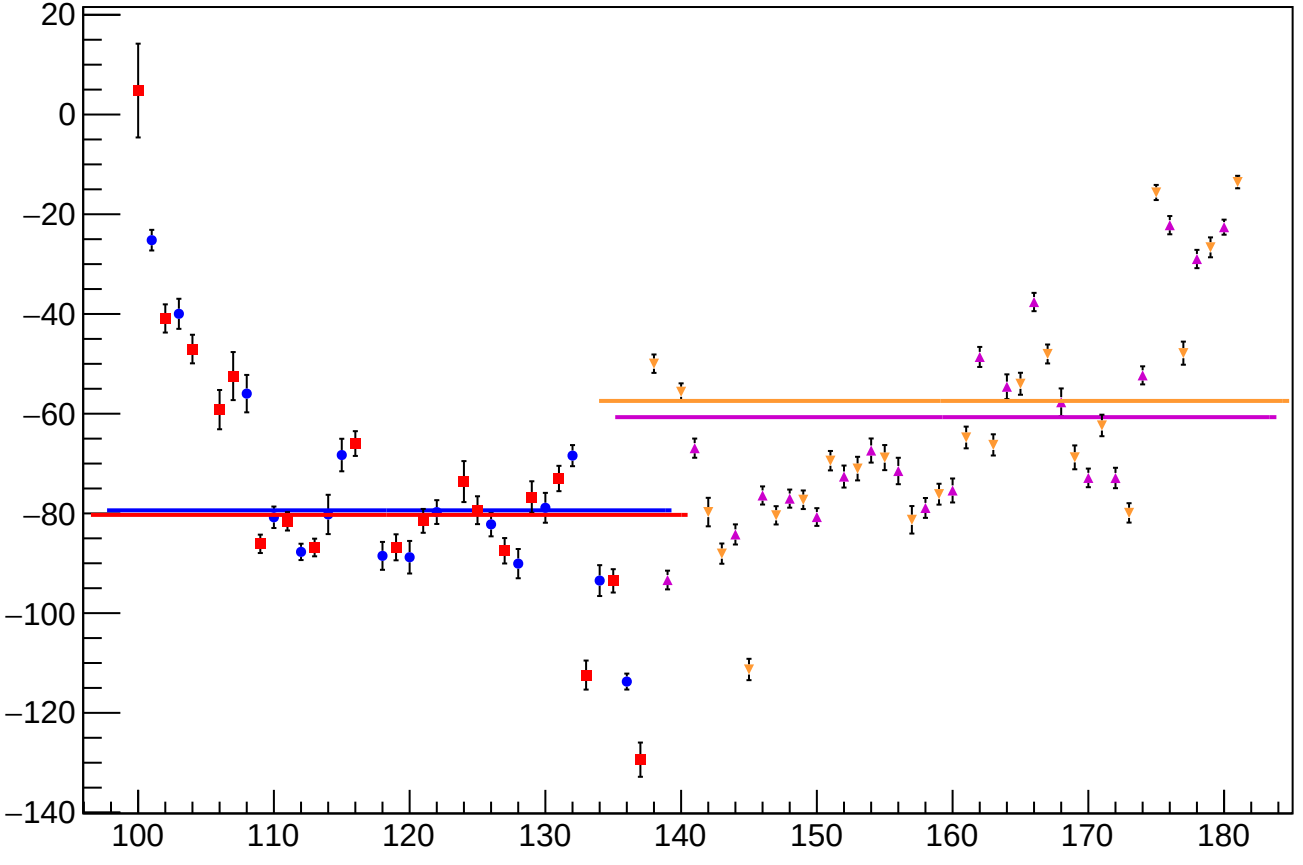
Left In: -40.763+/-0.016 χ^2/NDF:116628.1/20

+ sign -40.779+/-0.014 χ^2/NDF: 162300.0/37

All: -40.883+/-0.010 χ^2/NDF: 338709.3/76

- sign -40.987+/-0.014 χ^2/NDF: 176306.0/38

reg_asym_usr_diff_bpm1X_slope vs Slug



Right In: -79.382+/-0.611 χ^2/NDF: 1475.9/15

Left Out: -57.438+/-0.414 χ^2/NDF:3909.2/22

Right Out: -80.294+/-0.604 χ^2/NDF: 914.7/18

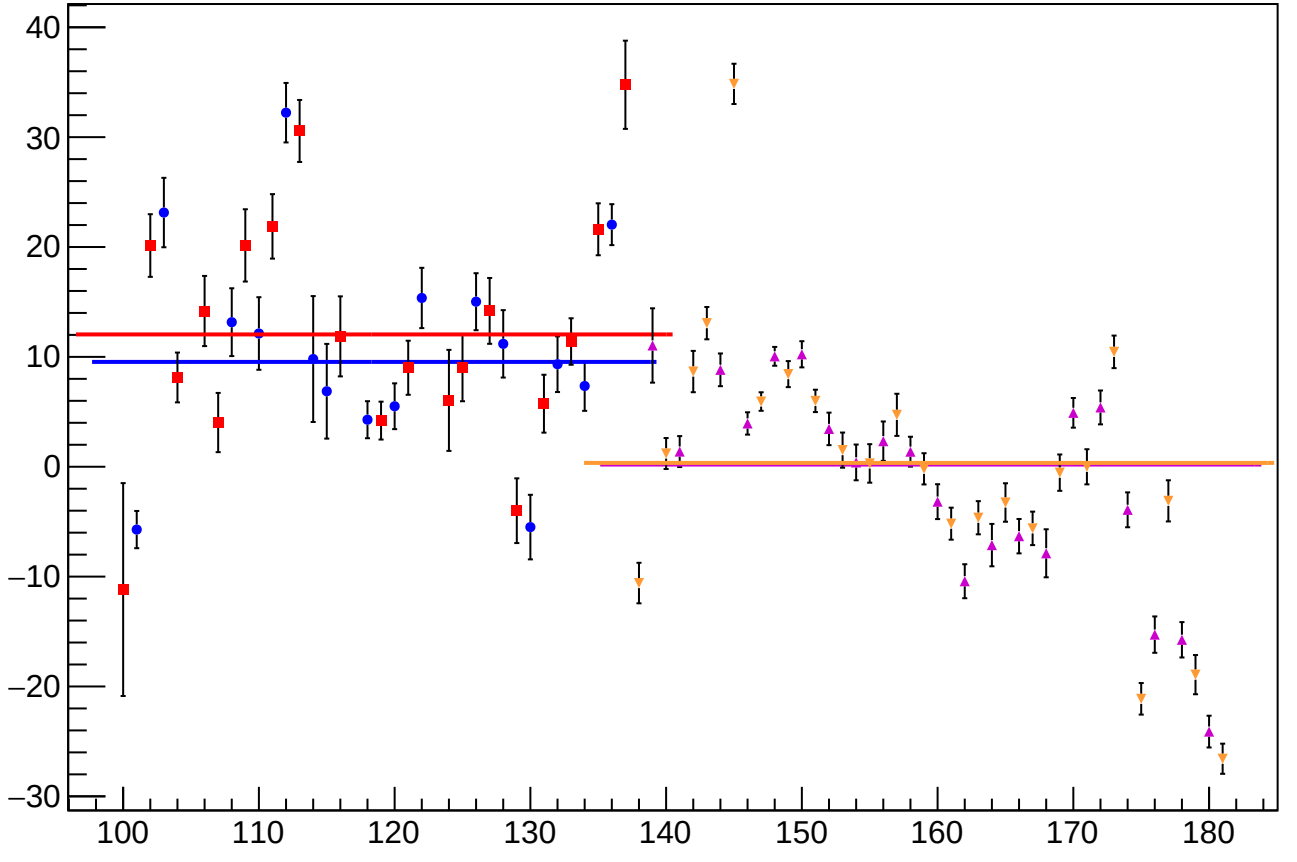
Left In: -60.692+/-0.432 χ^2/NDF:2584.8/20

+ sign -64.333+/-0.343 χ^2/NDF: 6269.5/38

All: -65.788+/-0.245 χ^2/NDF: 10503.2/78

- sign -67.319+/-0.351 χ^2/NDF: 4196.6/39

reg_asym_usr_diff_bpm4aY_slope vs Slug



Right In: 9.543+/-0.621 χ^2/NDF: 267.1/15

Left Out: 0.350+/-0.303 χ^2/NDF:1432.2/22

Right Out: 12.044+/-0.637 χ^2/NDF: 195.8/18

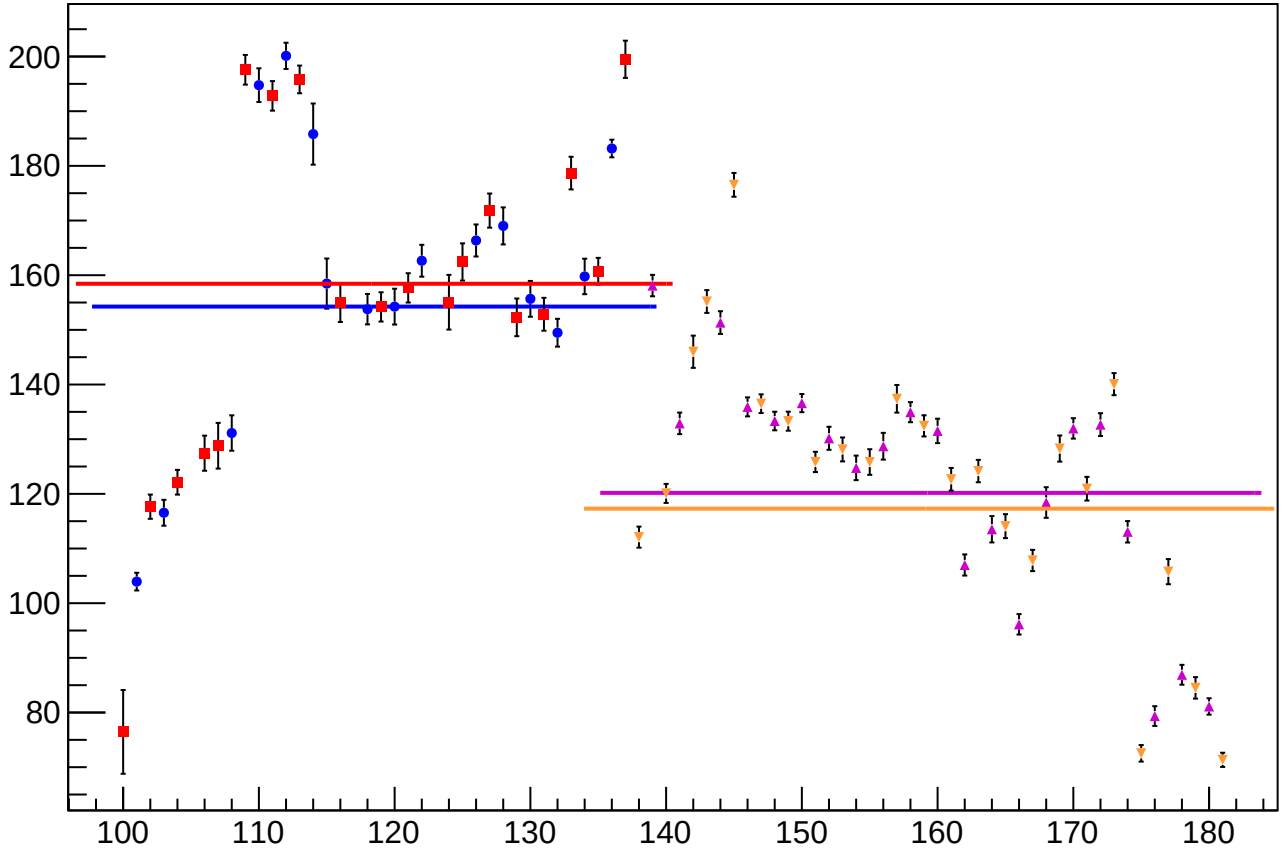
Left In: 0.199+/-0.315 χ^2/NDF:864.3/20

+ sign 2.115+/-0.272 χ^2/NDF: 1876.1/38

All: 2.315+/-0.196 χ^2/NDF: 3215.2/78

- sign 2.530+/-0.283 χ^2/NDF: 1338.0/39

reg_asym_usr_diff_bpm4eX_slope vs Slug



Right In: 154.260+/-0.662 χ^2/NDF: 2213.7/15

Left Out: 117.292+/-0.409 χ^2/NDF:4188.0/22

Right Out: 158.435+/-0.683 χ^2/NDF: 1664.2/18

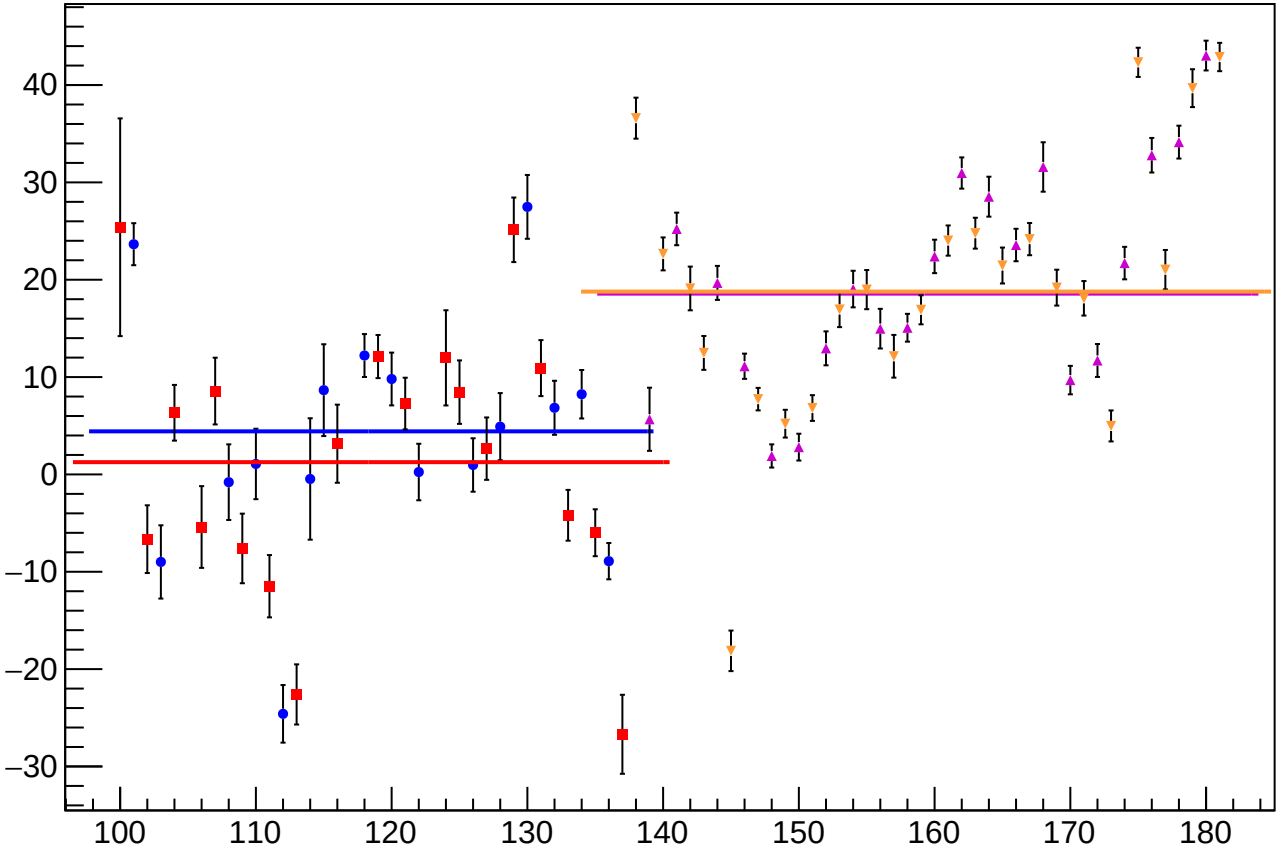
Left In: 120.178+/-0.424 χ^2/NDF:2842.2/20

+ sign 127.506+/-0.348 χ^2/NDF: 8660.4/38

All: 129.112+/-0.250 χ^2/NDF: 15477.2/78

- sign 130.835+/-0.360 χ^2/NDF: 6772.6/39

reg_asym_usr_diff_bpm4eY_slope vs Slug



Right In: 4.424+/-0.714 χ^2/NDF: 316.1/15

Left Out: 18.782+/-0.348 χ^2/NDF:1430.6/22

Right Out: 1.260+/-0.732 χ^2/NDF: 264.9/18

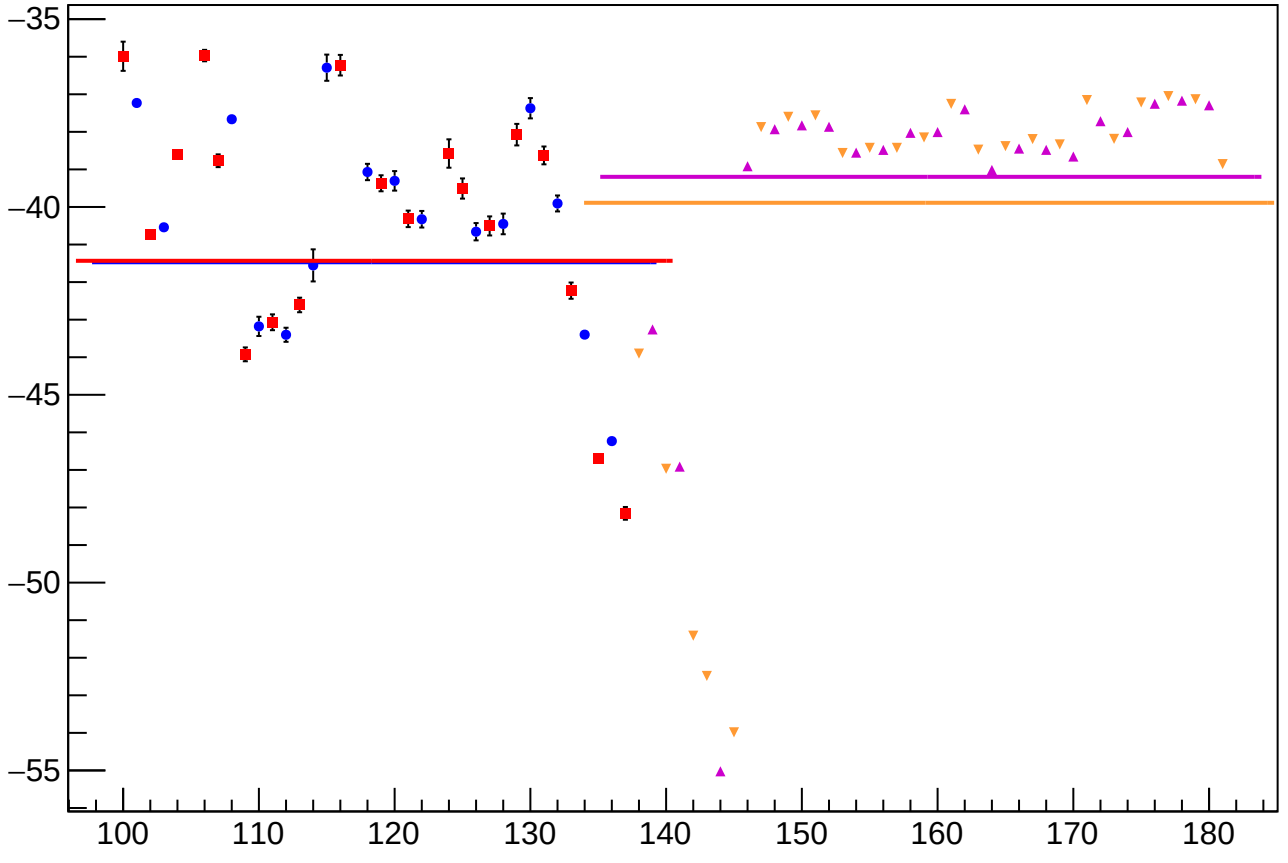
Left In: 18.572+/-0.360 χ^2/NDF:996.4/20

+ sign 16.027+/-0.313 χ^2/NDF: 2073.5/38

All: 15.623+/-0.225 χ^2/NDF: 3788.8/78

- sign 15.192+/-0.323 χ^2/NDF: 1711.9/39

reg_asym_usr_diff_bpm12X_slope vs Slug



Right In: -41.472+/-0.038 χ^2/NDF: 7912.0/15

Left Out: -39.888+/-0.016 χ^2/NDF:81013.1/22

Right Out: -41.433+/-0.040 χ^2/NDF: 8225.4/18

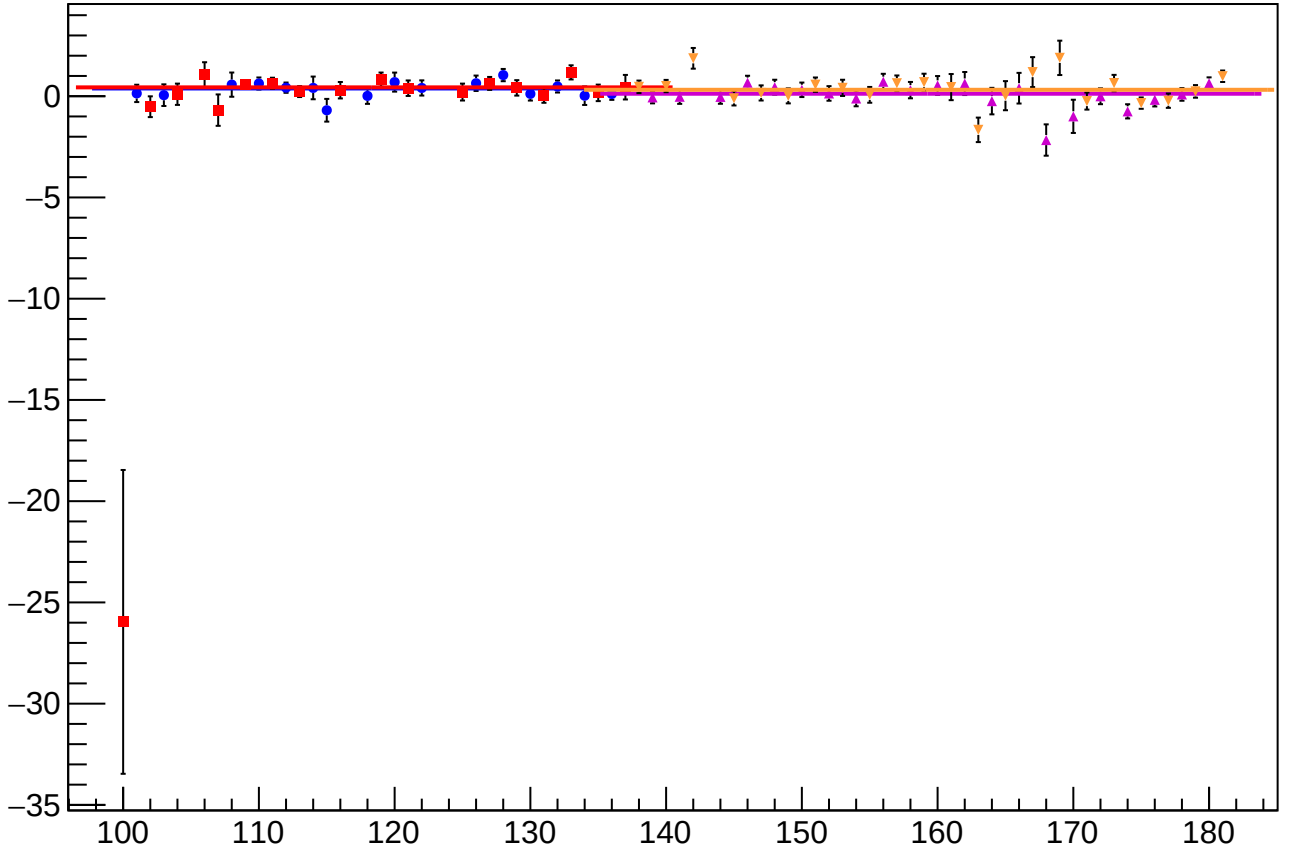
Left In: -39.198+/-0.016 χ^2/NDF:46748.9/20

+ sign -40.127+/-0.015 χ^2/NDF: 90390.8/38

All: -39.830+/-0.011 χ^2/NDF: 148919.3/78

- sign -39.523+/-0.015 χ^2/NDF: 57709.0/39

reg_asym_dsl_diff_bpm1X_slope vs Slug



Right In: 0.382+/-0.092 χ^2/NDF: 14.0/15

Left Out: 0.317+/-0.083 χ^2/NDF:46.2/21

Right Out: 0.436+/-0.090 χ^2/NDF: 29.0/17

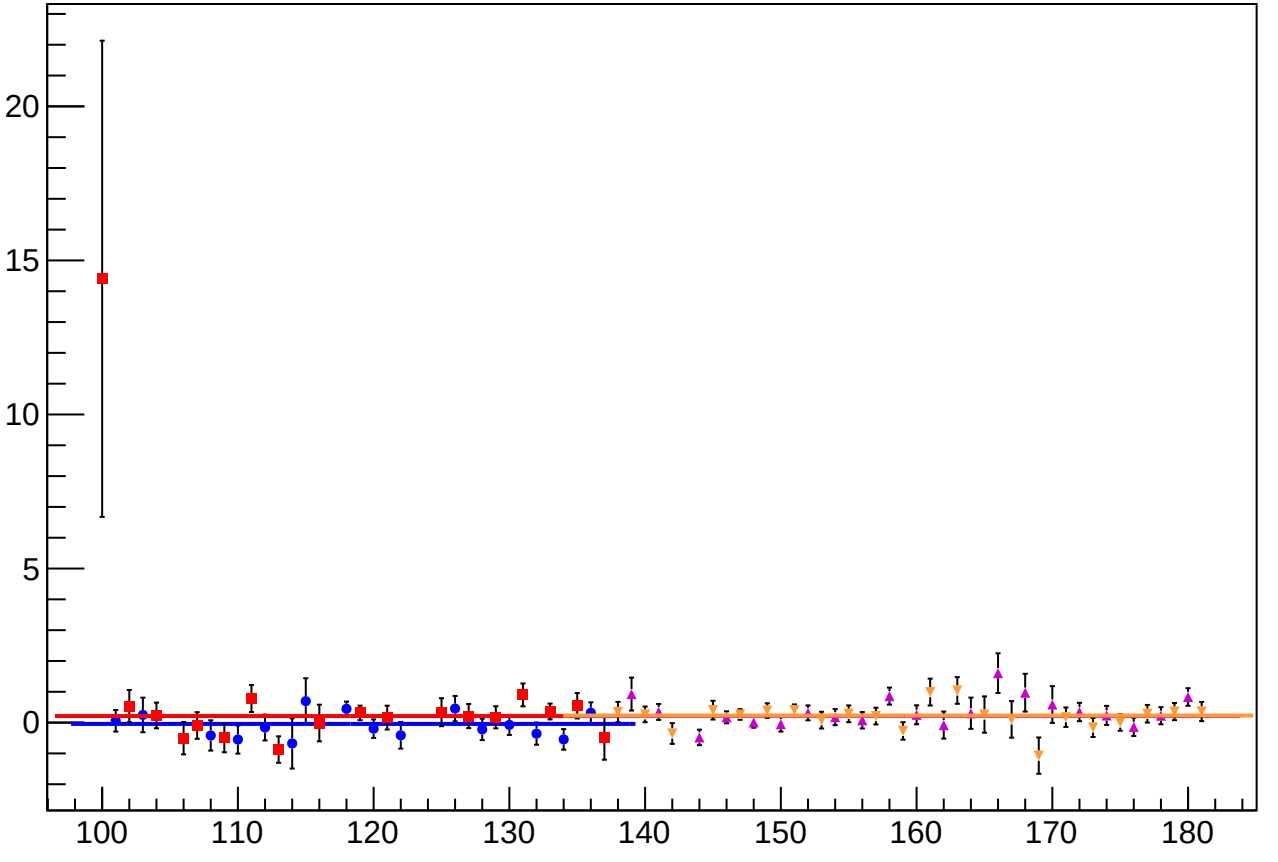
Left In: 0.122+/-0.085 χ^2/NDF:29.9/20

+ sign 0.346+/-0.062 χ^2/NDF: 60.5/37

All: 0.308+/-0.044 χ^2/NDF: 126.6/76

- sign 0.269+/-0.062 χ^2/NDF: 65.4/38

reg_asym_dsl_diff_bpm4aY_slope vs Slug



Right In: -0.043+/-0.094 χ^2/NDF: 15.0/15

Left Out: 0.230+/-0.061 χ^2/NDF:22.5/21

Right Out: 0.213+/-0.095 χ^2/NDF: 22.4/17

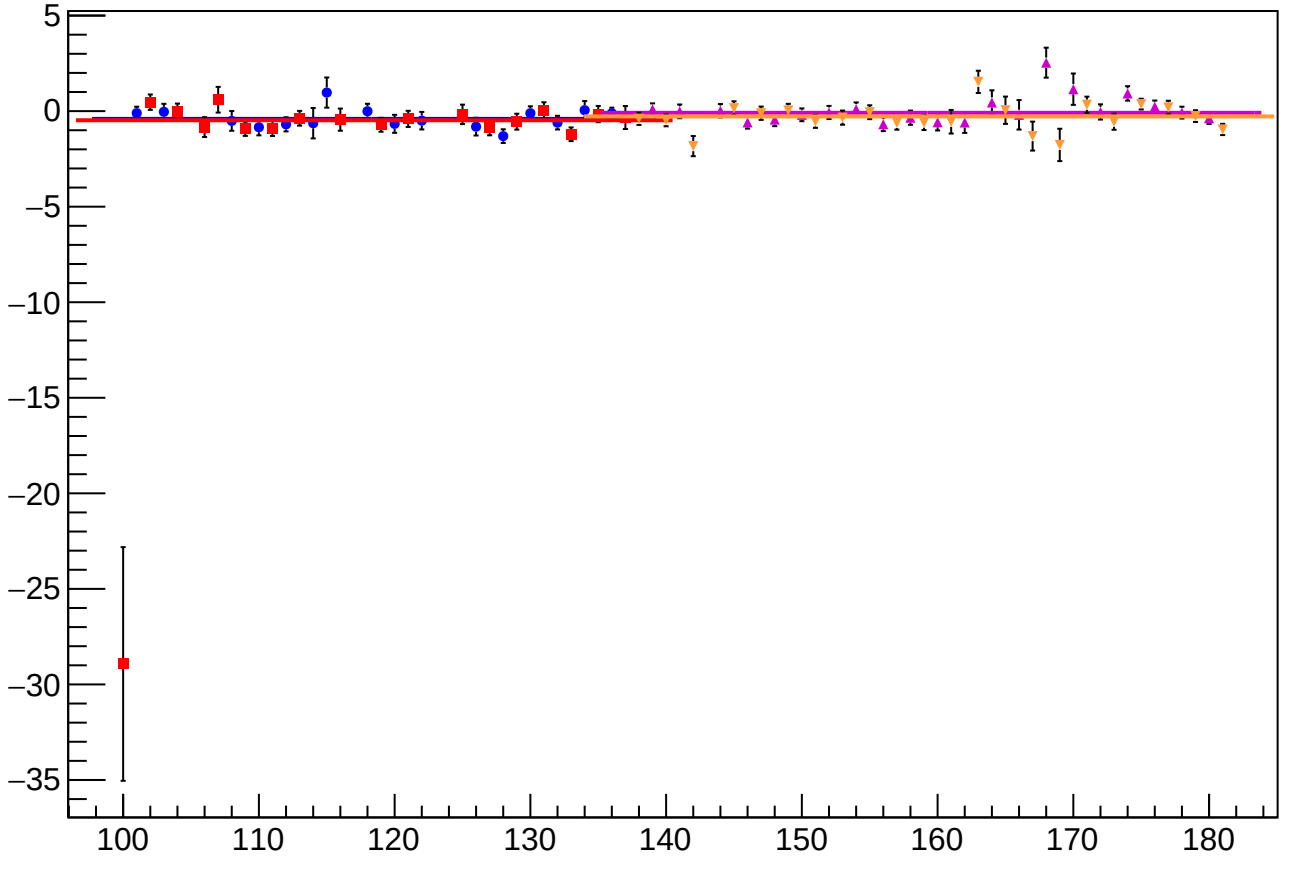
Left In: 0.213+/-0.063 χ^2/NDF:31.5/20

+ sign 0.149+/-0.051 χ^2/NDF: 43.5/37

All: 0.180+/-0.037 χ^2/NDF: 98.2/76

- sign 0.213+/-0.052 χ^2/NDF: 53.9/38

reg_asym_dsl_diff_bpm4eX_slope vs Slug



Right In: -0.406+/-0.103 χ^2/NDF: 17.8/15

Left Out: -0.277+/-0.081 χ^2/NDF:44.3/21

Right Out: -0.478+/-0.104 χ^2/NDF: 42.3/17

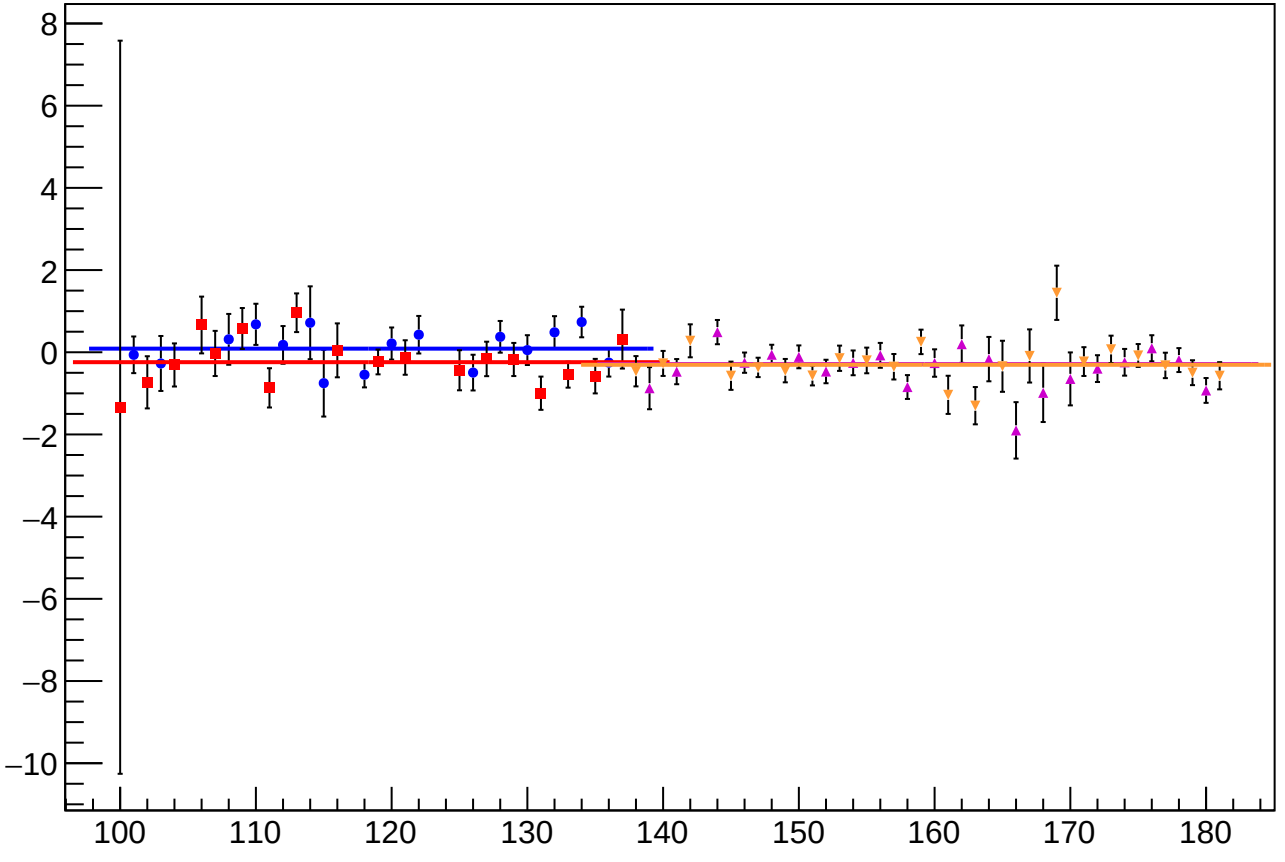
Left In: -0.088+/-0.083 χ^2/NDF:32.9/20

+ sign -0.326+/-0.064 χ^2/NDF: 63.1/37

All: -0.284+/-0.046 χ^2/NDF: 147.7/76

- sign -0.239+/-0.065 χ^2/NDF: 83.7/38

reg_asym_dsl_diff_bpm4eY_slope vs Slug



Right In: 0.088+/-0.108 χ^2/NDF: 15.9/15

Left Out: -0.304+/-0.071 χ^2/NDF:25.8/21

Right Out: -0.241+/-0.110 χ^2/NDF: 19.6/17

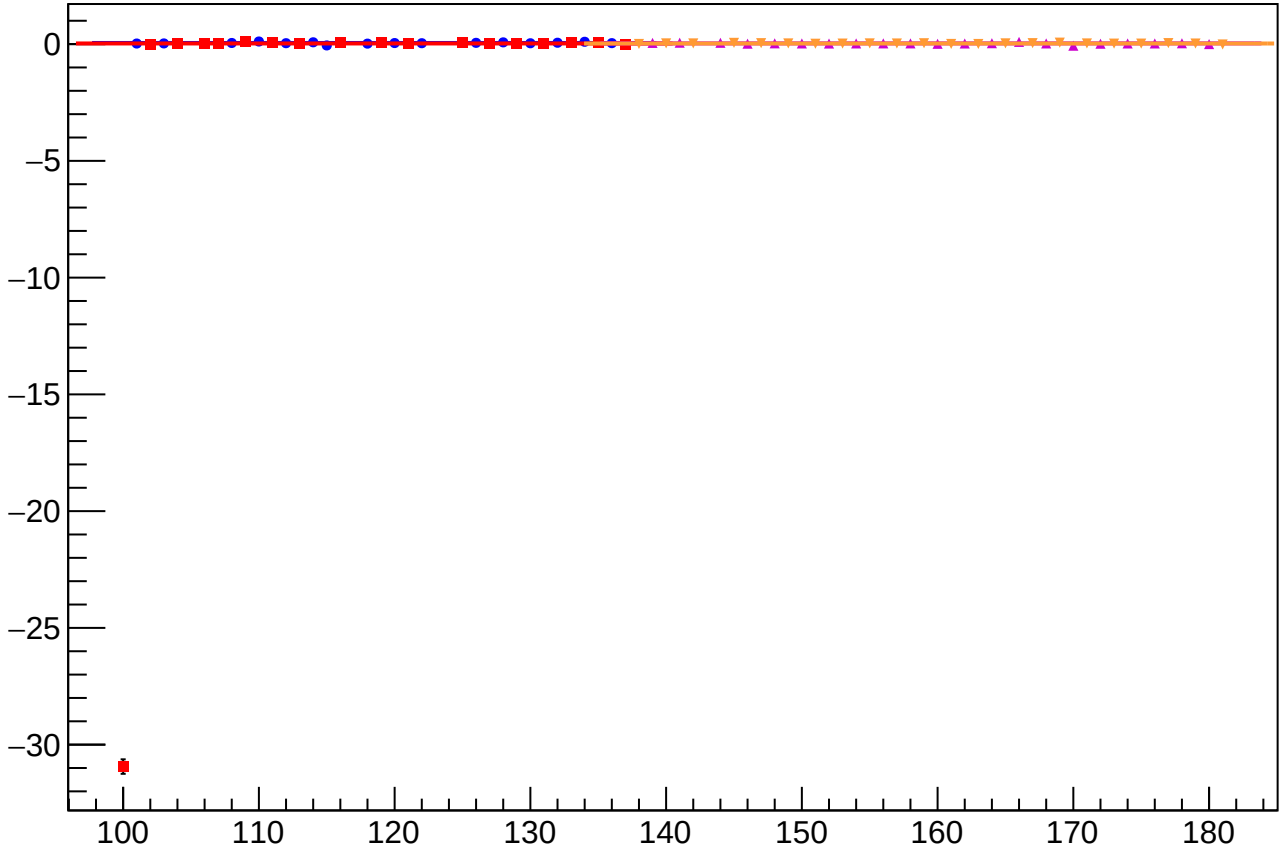
Left In: -0.288+/-0.072 χ^2/NDF:28.8/20

+ sign -0.187+/-0.059 χ^2/NDF: 50.9/37

All: -0.230+/-0.042 χ^2/NDF: 100.4/76

- sign -0.274+/-0.060 χ^2/NDF: 48.5/38

reg_asym_dsl_diff_bpm12X_slope vs Slug



Right In: 0.049+/-0.006 χ^2/NDF: 19.2/15

Left Out: 0.026+/-0.003 χ^2/NDF:22.1/21

Right Out: 0.028+/-0.006 χ^2/NDF: 10020.9/17

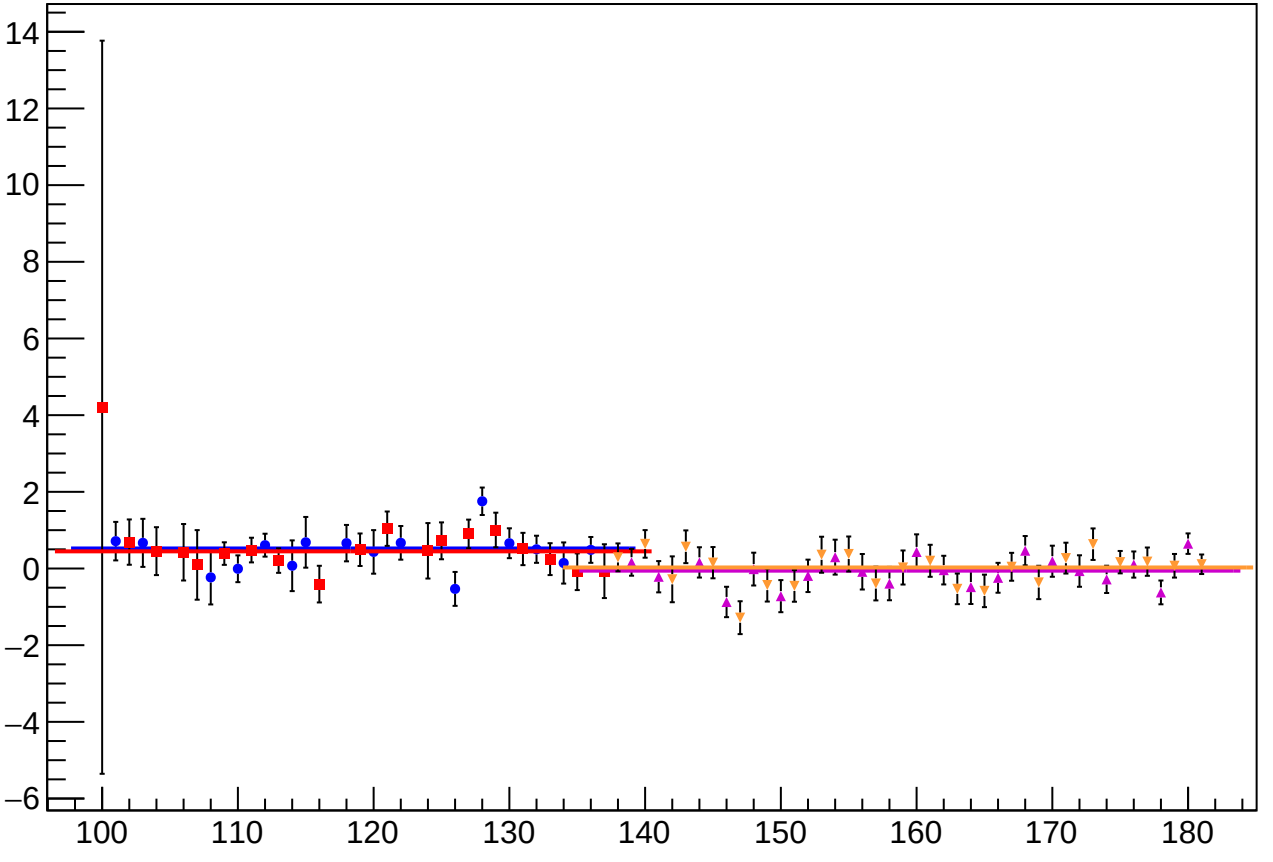
Left In: 0.031+/-0.003 χ^2/NDF:35.2/20

+ sign 0.031+/-0.003 χ^2/NDF: 51.7/37

All: 0.030+/-0.002 χ^2/NDF: 10108.0/76

- sign 0.030+/-0.003 χ^2/NDF: 10056.3/38

reg_asym_dsr_diff_bpm1X_slope vs Slug



Right In: 0.522+/-0.108 χ^2/NDF: 22.6/15

Left Out: 0.027+/-0.081 χ^2/NDF:27.3/22

Right Out: 0.448+/-0.105 χ^2/NDF: 11.4/18

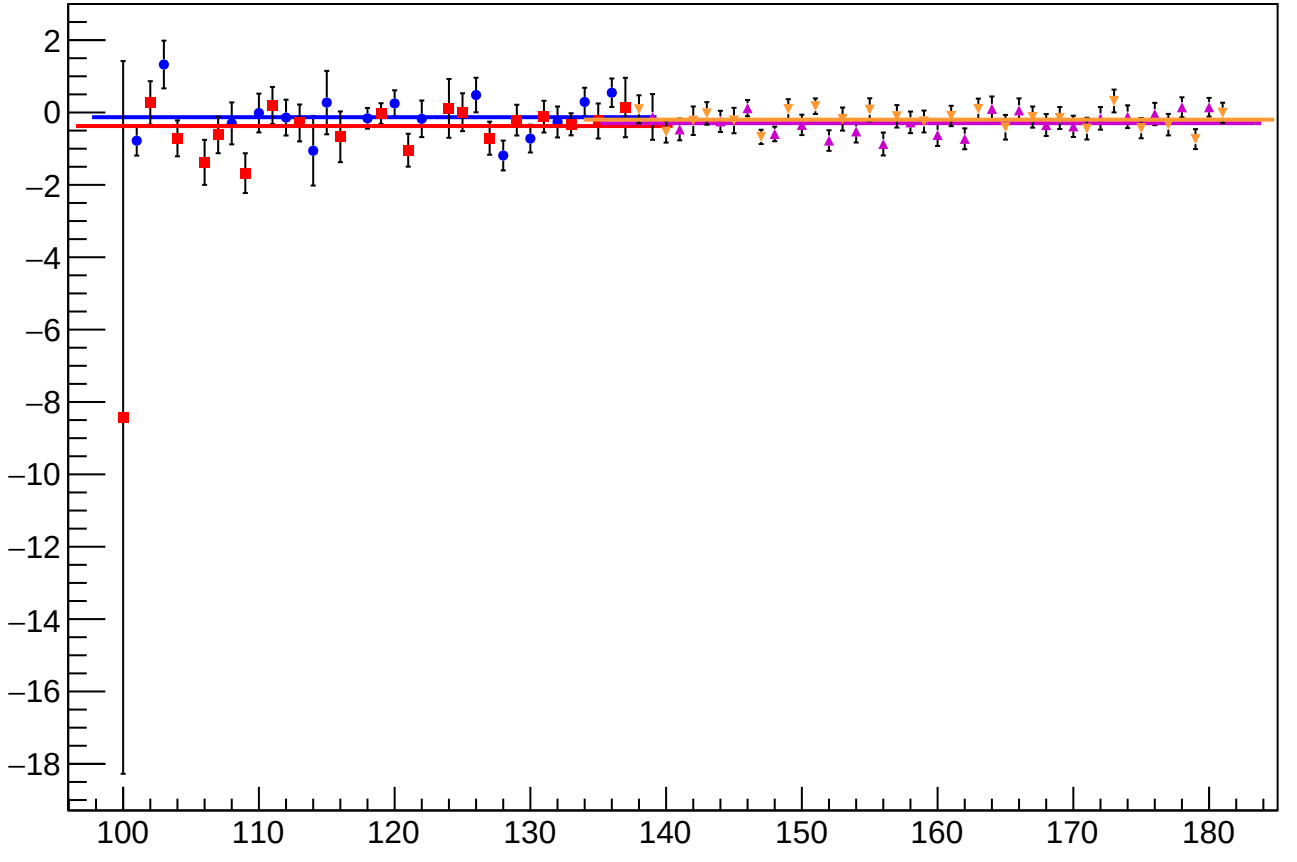
Left In: -0.056+/-0.084 χ^2/NDF:24.4/20

+ sign 0.204+/-0.065 χ^2/NDF: 63.3/38

All: 0.172+/-0.046 χ^2/NDF: 113.6/78

- sign 0.140+/-0.066 χ^2/NDF: 49.8/39

reg_asym_dsr_diff_bpm4aY_slope vs Slug



Right In: -0.130+/-0.112 χ^2/NDF: 24.6/15

Left Out: -0.198+/-0.061 χ^2/NDF:23.1/22

Right Out: -0.375+/-0.111 χ^2/NDF: 18.2/18

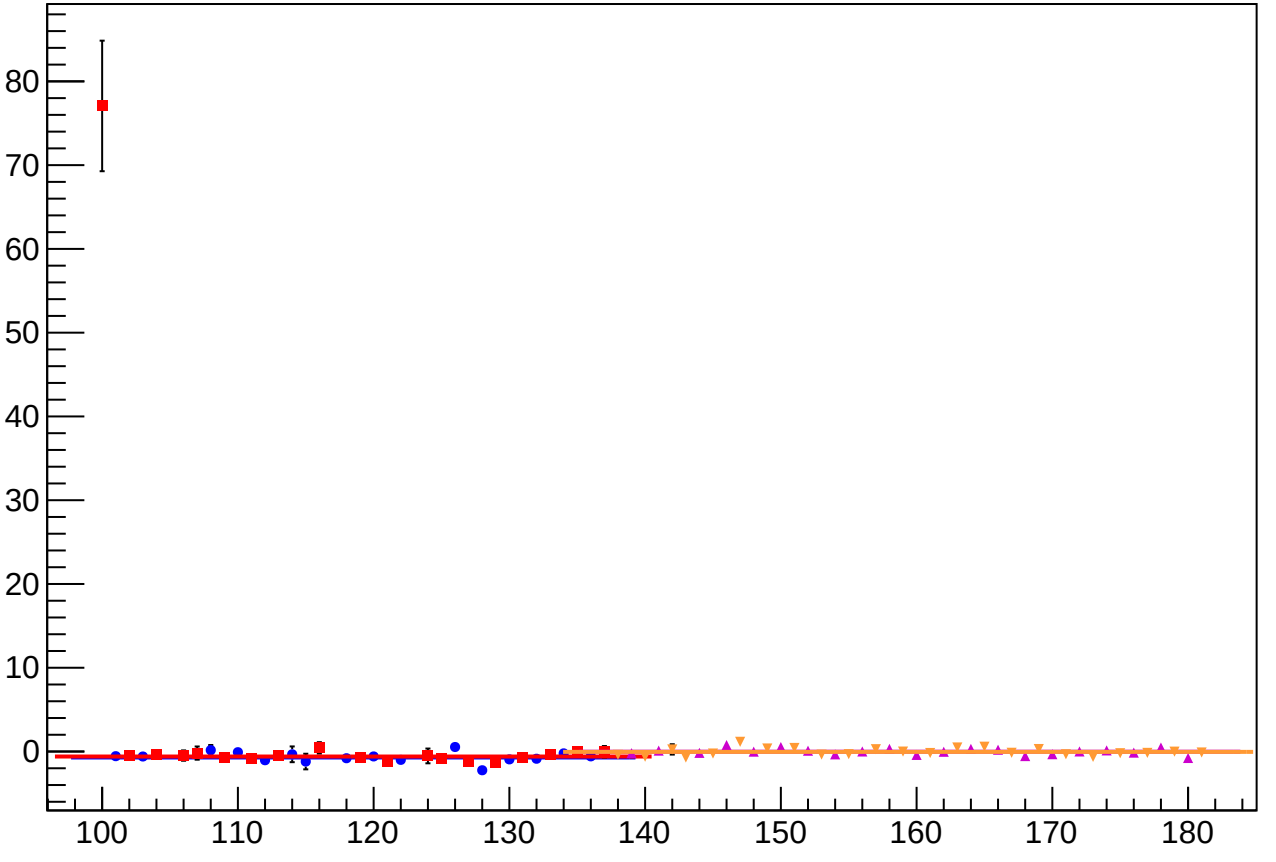
Left In: -0.295+/-0.063 χ^2/NDF:25.3/20

+ sign -0.182+/-0.053 χ^2/NDF: 47.9/38

All: -0.246+/-0.038 χ^2/NDF: 94.8/78

- sign -0.314+/-0.055 χ^2/NDF: 43.9/39

reg_asym_dsr_diff_bpm4eX_slope vs Slug



Right In: -0.713+/-0.122 χ^2/NDF: 24.9/15

Left Out: -0.043+/-0.080 χ^2/NDF:26.9/22

Right Out: -0.597+/-0.122 χ^2/NDF: 110.9/18

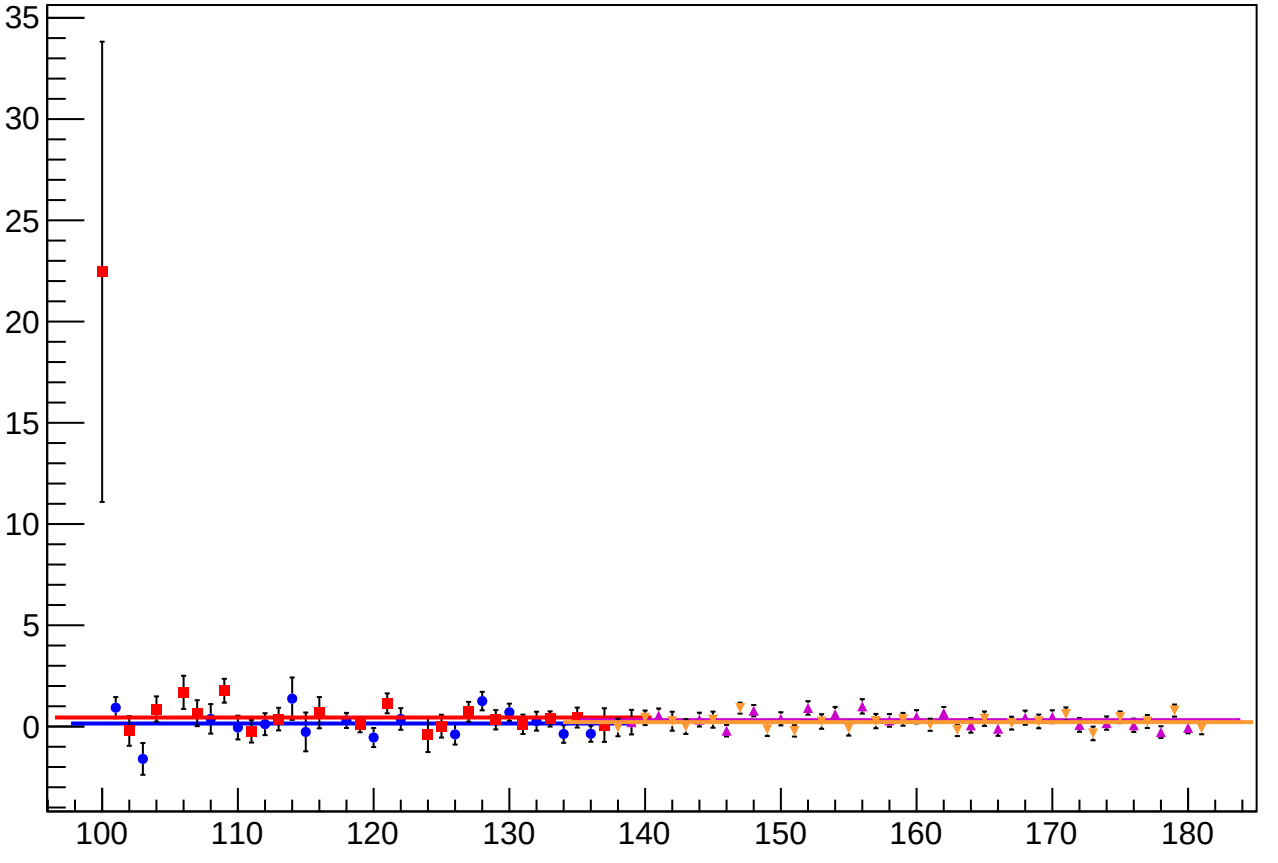
Left In: -0.023+/-0.083 χ^2/NDF:23.2/20

+ sign -0.245+/-0.067 χ^2/NDF: 73.0/38

All: -0.225+/-0.048 χ^2/NDF: 222.6/78

- sign -0.205+/-0.068 χ^2/NDF: 149.4/39

reg_asym_dsr_diff_bpm4eY_slope vs Slug



Right In: 0.148+/-0.128 χ^2/NDF: 23.3/15

Left Out: 0.217+/-0.069 χ^2/NDF:23.8/22

Right Out: 0.445+/-0.128 χ^2/NDF: 19.7/18

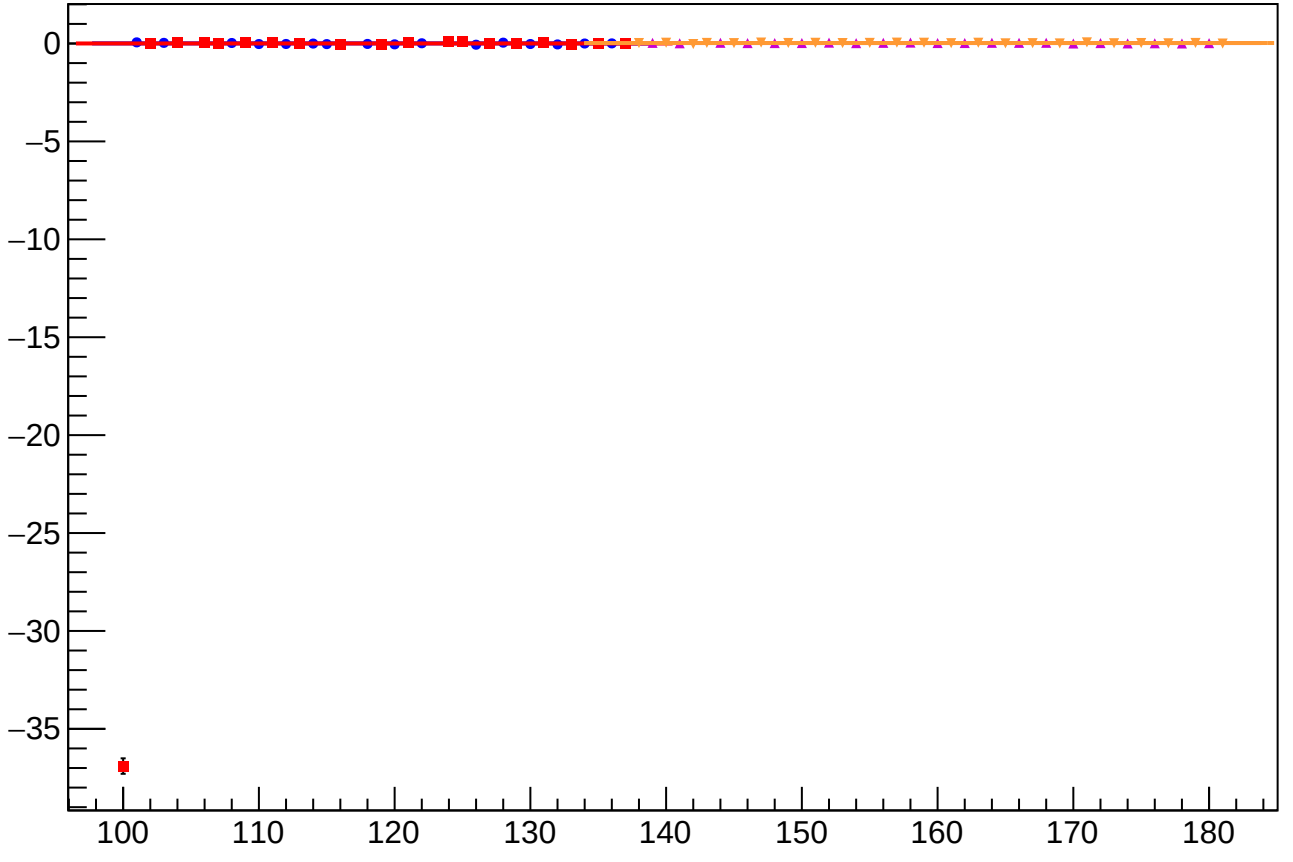
Left In: 0.313+/-0.072 χ^2/NDF:25.4/20

+ sign 0.201+/-0.061 χ^2/NDF: 47.2/38

All: 0.271+/-0.044 χ^2/NDF: 95.9/78

- sign 0.345+/-0.063 χ^2/NDF: 46.0/39

reg_asym_dsr_diff_bpm12X_slope vs Slug



Right In: 0.006+/-0.007 χ^2/NDF: 17.6/15

Left Out: 0.025+/-0.003 χ^2/NDF:27.7/22

Right Out: 0.002+/-0.007 χ^2/NDF: 8753.3/18

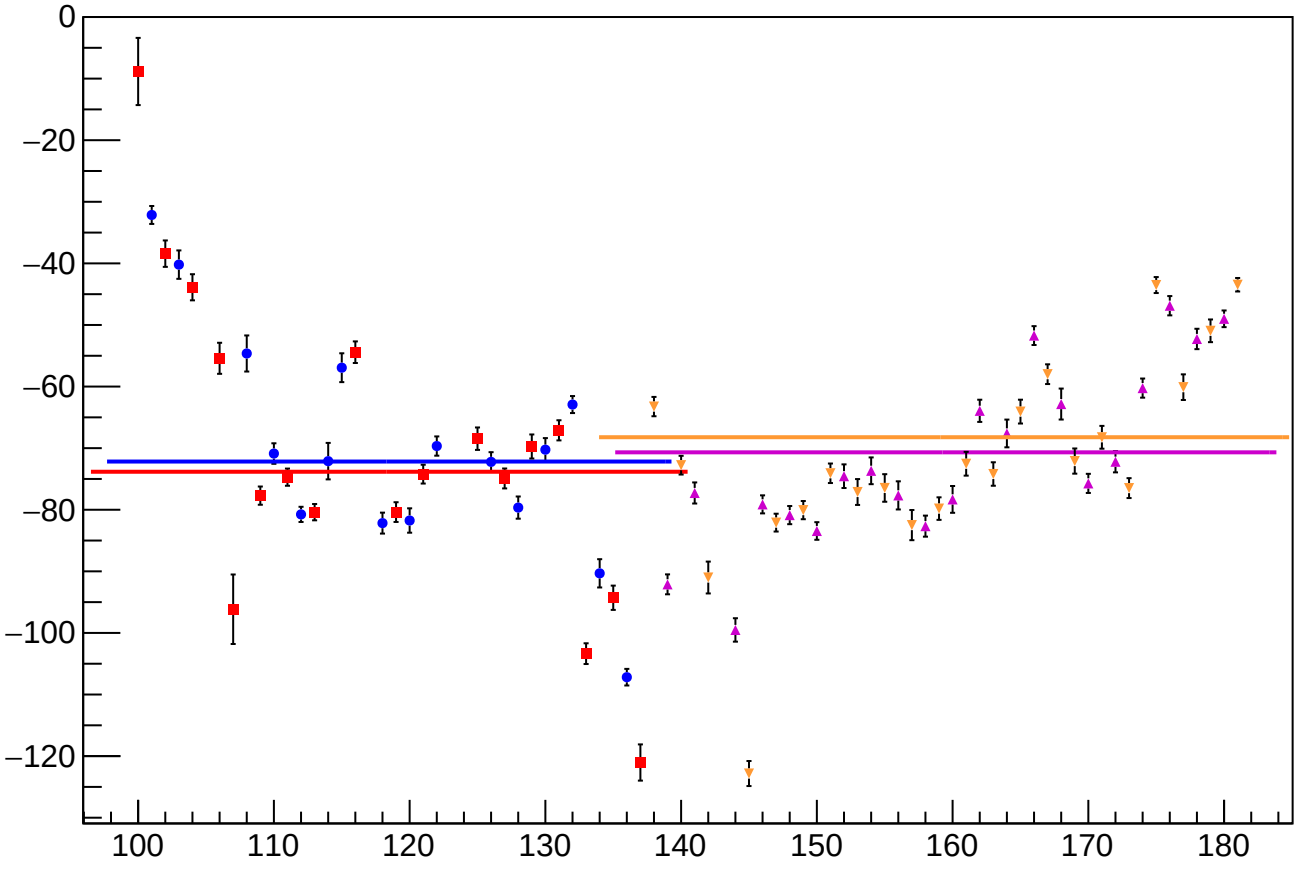
Left In: 0.025+/-0.003 χ^2/NDF:17.0/20

\+ sign 0.022+/-0.003 χ^2/NDF: 50.7/38

All: 0.022+/-0.002 χ^2/NDF: 8828.7/78

\- sign 0.021+/-0.003 χ^2/NDF: 8778.0/39

reg_asym_us_avg_diff_bpm1X_slope vs Slug



Right In: -72.173+/-0.432 χ^2/NDF: 1936.0/15

Left Out: -68.225+/-0.365 χ^2/NDF:2159.6/21

Right Out: -73.831+/-0.431 χ^2/NDF: 1557.7/17

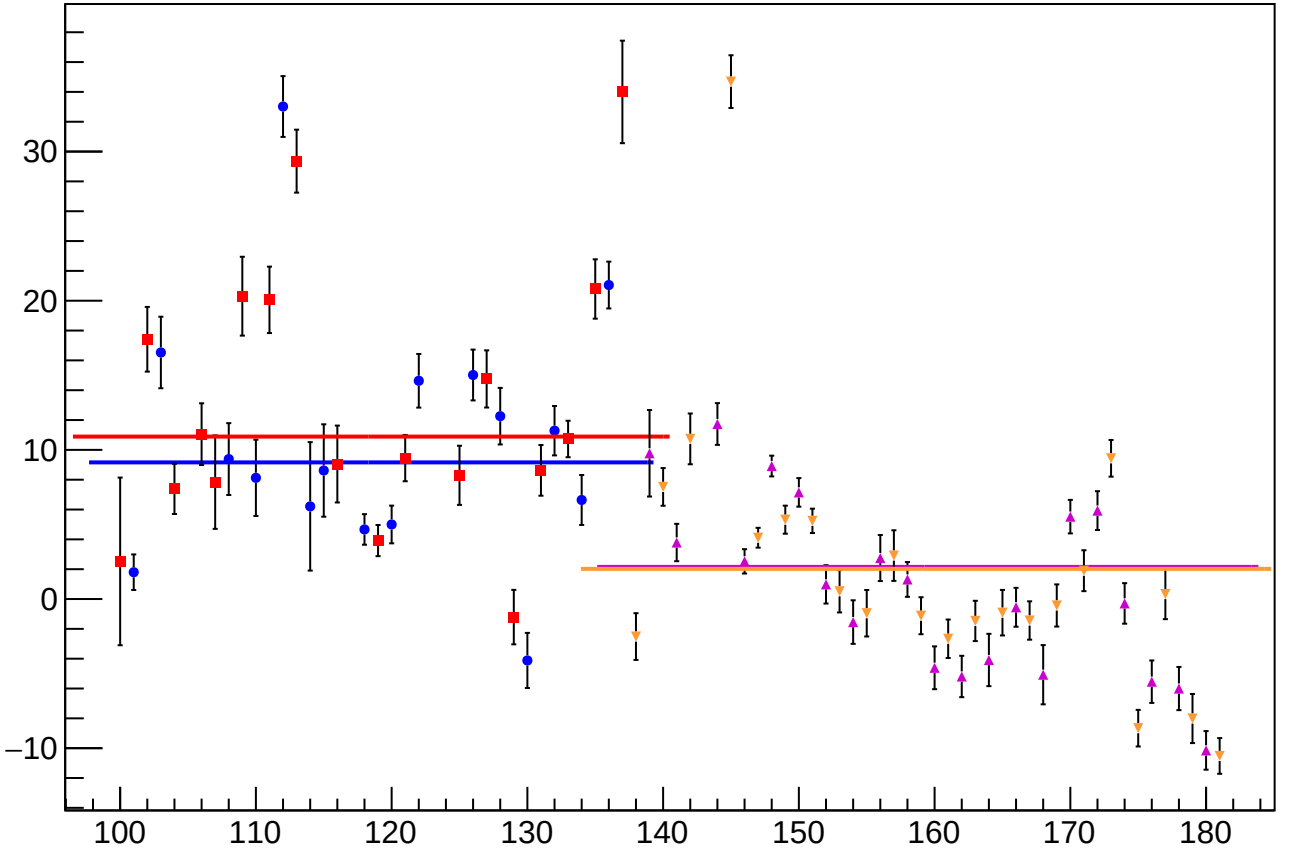
Left In: -70.678+/-0.372 χ^2/NDF:1505.1/20

+ sign -69.867+/-0.279 χ^2/NDF: 4144.3/37

All: -70.935+/-0.198 χ^2/NDF: 7267.5/76

- sign -72.026+/-0.282 χ^2/NDF: 3093.5/38

reg_asym_us_avg_diff_bpm4aY_slope vs Slug



Right In: 9.161+/-0.425 χ^2/NDF: 352.1/15

Left Out: 2.023+/-0.263 χ^2/NDF:737.9/21

Right Out: 10.892+/-0.440 χ^2/NDF: 290.2/17

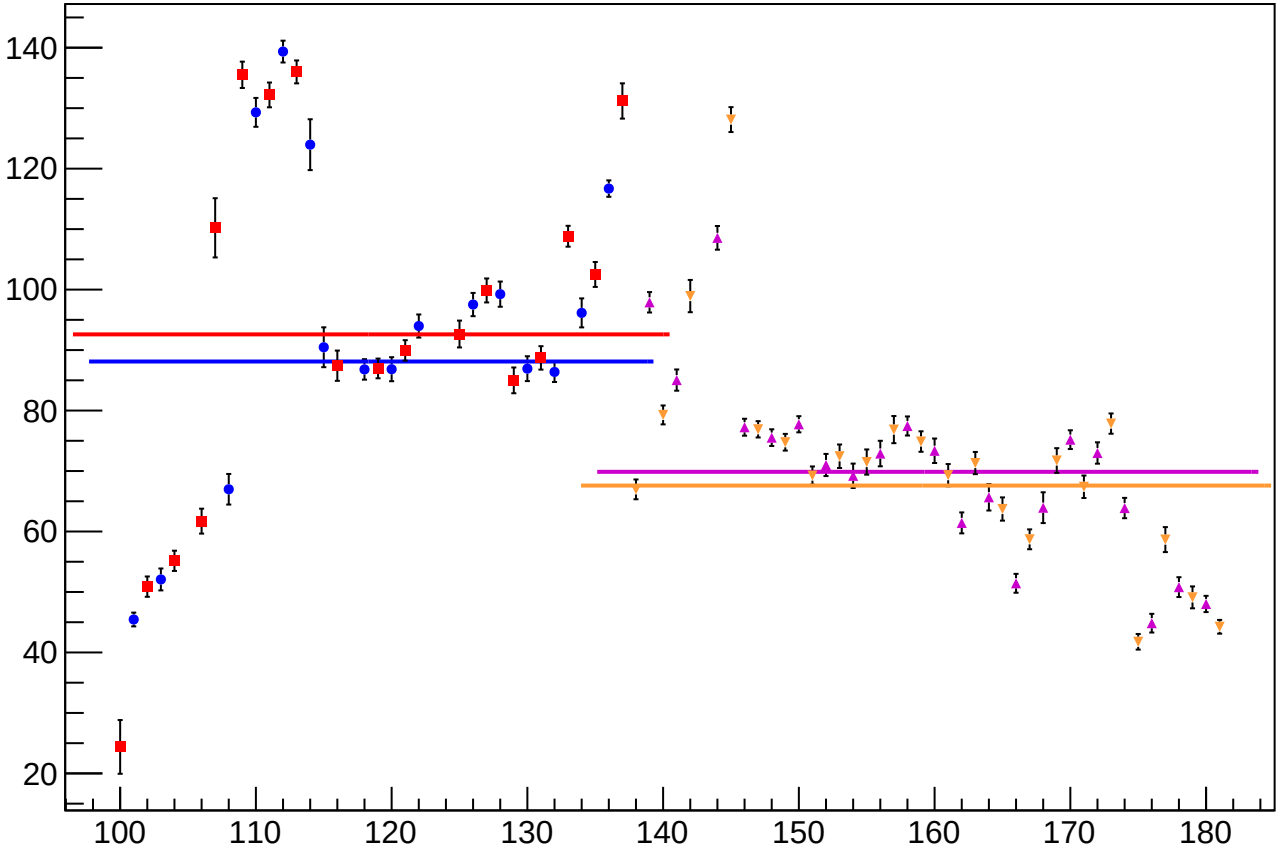
Left In: 2.154+/-0.269 χ^2/NDF:438.1/20

\+ sign 3.999+/-0.224 χ^2/NDF: 1293.9/37

All: 4.258+/-0.160 χ^2/NDF: 2311.9/76

\- sign 4.530+/-0.229 χ^2/NDF: 1015.3/38

reg_asym_us_avg_diff_bpm4eX_slope vs Slug



Right In: 88.109+/-0.469 χ^2/NDF: 3561.7/15

Left Out: 67.598+/-0.359 χ^2/NDF:2202.5/21

Right Out: 92.596+/-0.483 χ^2/NDF: 3211.0/17

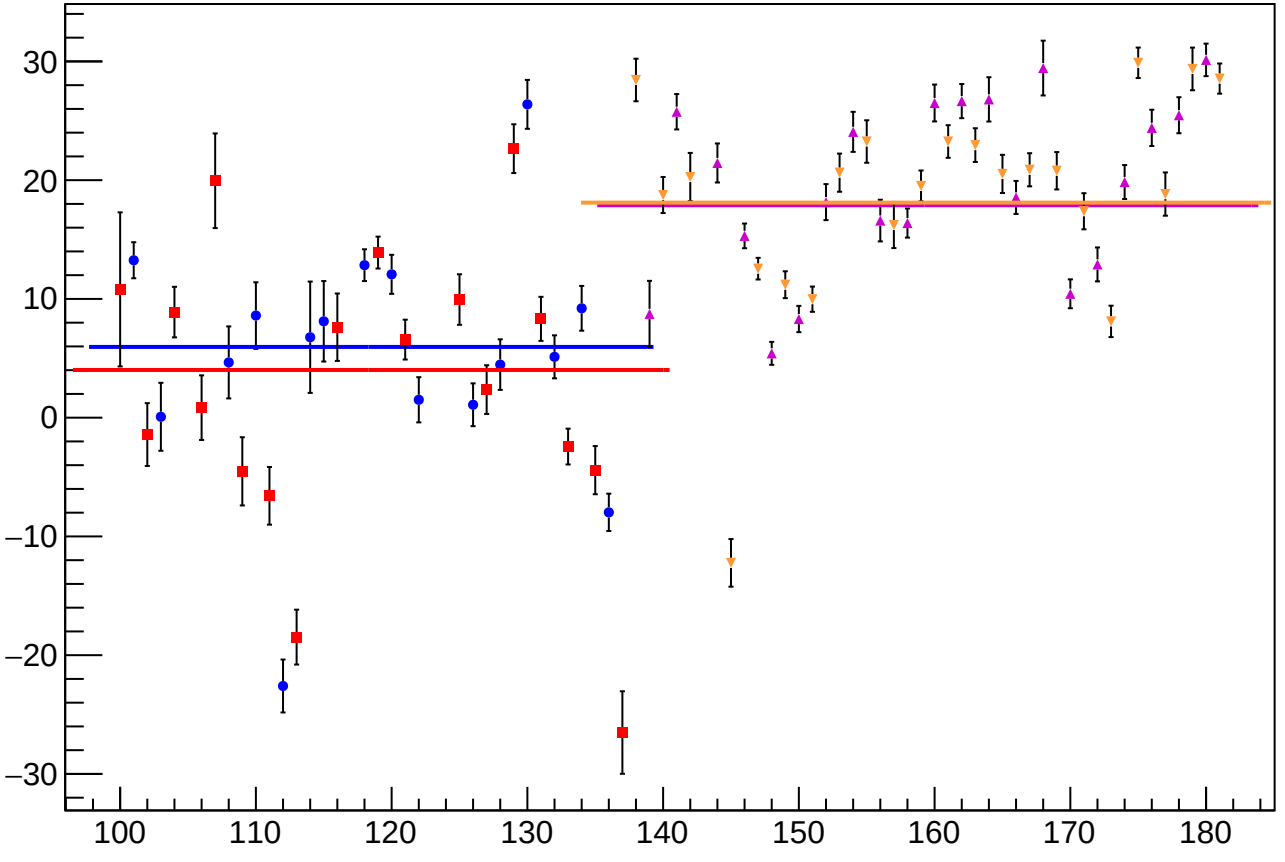
Left In: 69.868+/-0.365 χ^2/NDF:1710.3/20

+ sign 75.192+/-0.285 χ^2/NDF: 6970.7/37

All: 76.633+/-0.204 χ^2/NDF: 13352.1/76

- sign 78.138+/-0.291 χ^2/NDF: 6329.2/38

reg_asym_us_avg_diff_bpm4eY_slope vs Slug



Right In: 5.958+/-0.495 χ^2/NDF: 426.8/15

Left Out: 18.108+/-0.304 χ^2/NDF:693.0/21

Right Out: 4.017+/-0.510 χ^2/NDF: 417.7/17

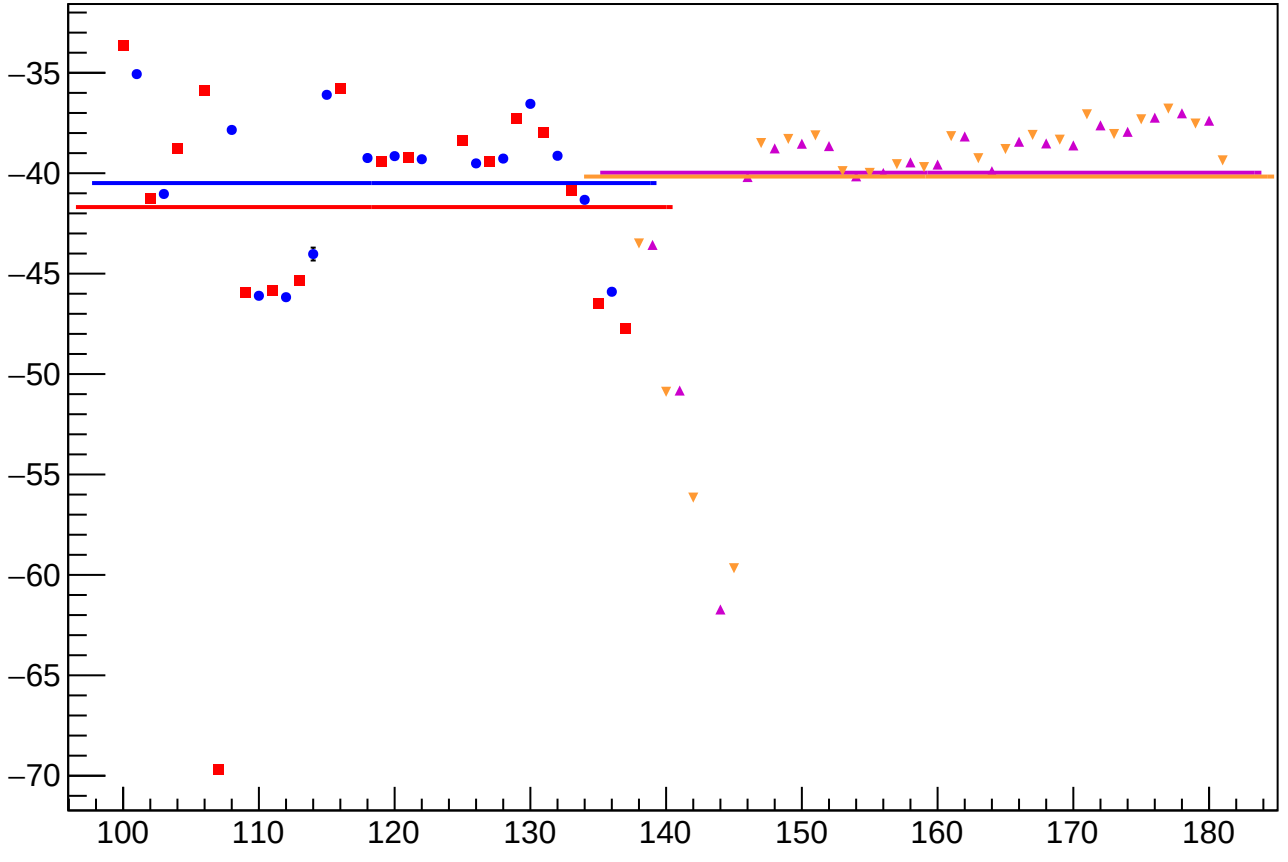
Left In: 17.887+/-0.309 χ^2/NDF:597.2/20

\+ sign 14.782+/-0.259 χ^2/NDF: 1557.9/37

All: 14.477+/-0.185 χ^2/NDF: 3117.3/76

\- sign 14.160+/-0.264 χ^2/NDF: 1556.7/38

reg_asym_us_avg_diff_bpm12X_slope vs Slug



Right In: -40.491+/-0.028 χ^2/NDF: 18125.4/15

Left Out: -40.167+/-0.014 χ^2/NDF:120821.7/21

Right Out: -41.686+/-0.029 χ^2/NDF: 36838.6/17

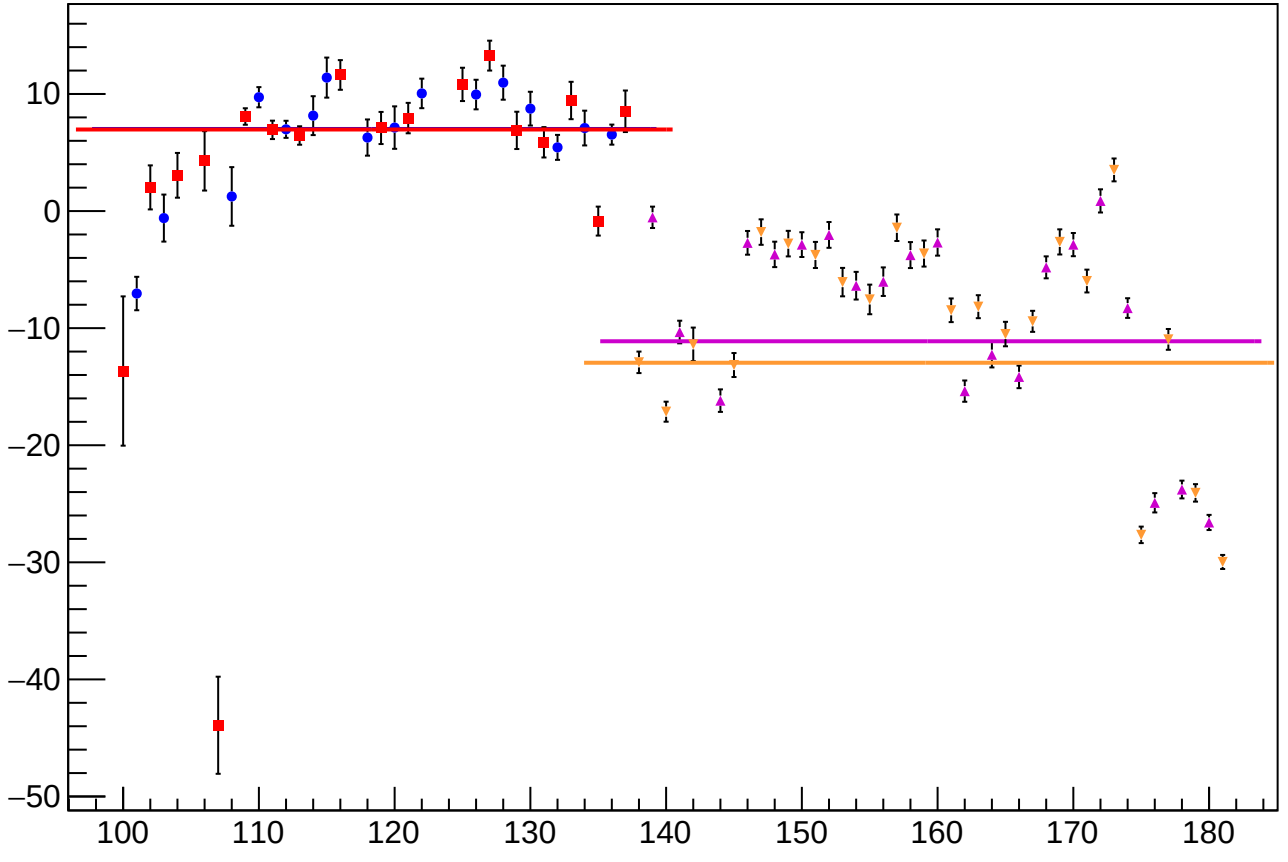
Left In: -39.975+/-0.014 χ^2/NDF:99257.5/20

+ sign -40.231+/-0.013 χ^2/NDF: 139052.0/37

All: -40.263+/-0.009 χ^2/NDF: 277940.7/76

- sign -40.295+/-0.013 χ^2/NDF: 138875.9/38

reg_asym_us_dd_diff_bpm1X_slope vs Slug



Right In: 7.011+/-0.309 χ^2/NDF: 156.3/15

Left Out: -12.955+/-0.203 χ^2/NDF:2469.7/21

Right Out: 6.967+/-0.298 χ^2/NDF: 266.0/17

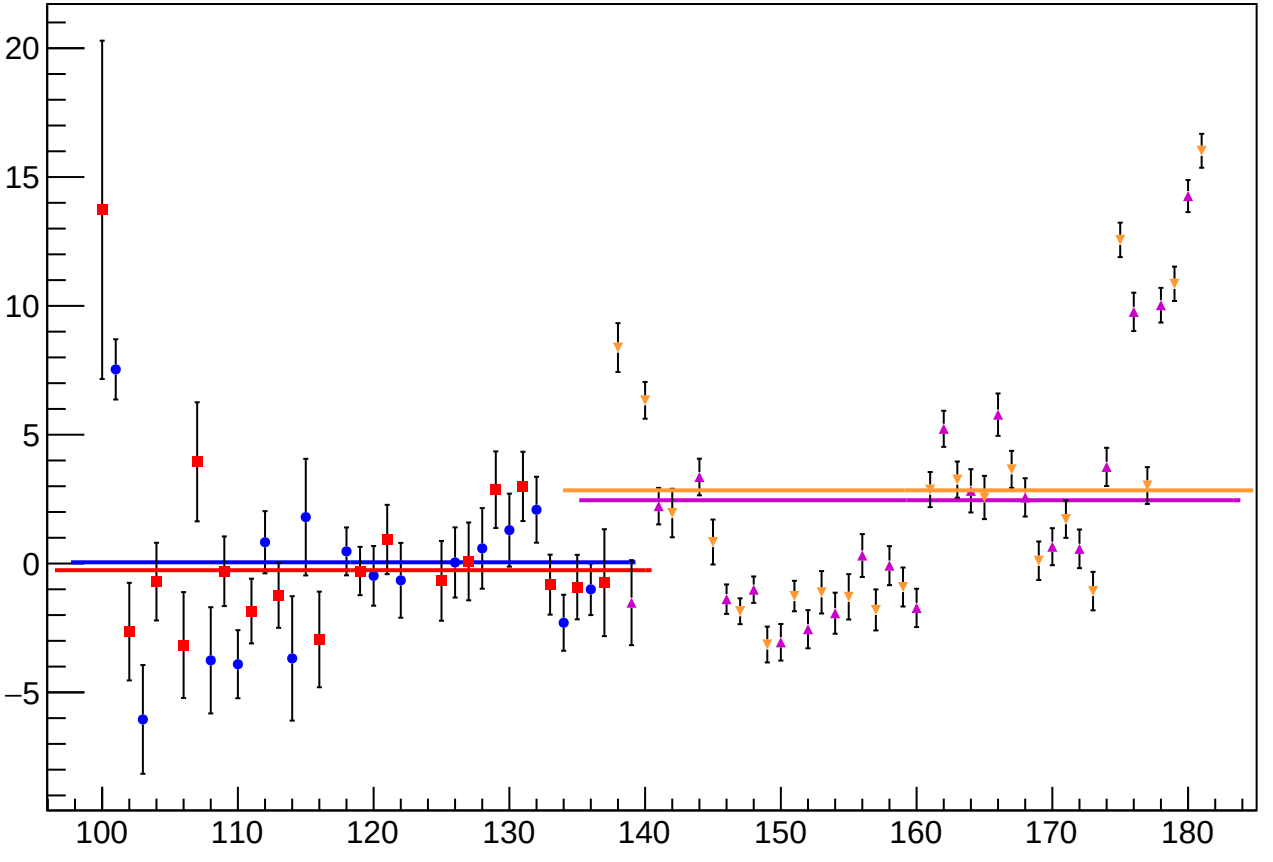
Left In: -11.120+/-0.208 χ^2/NDF:1977.6/20

\+ sign -6.961+/-0.169 χ^2/NDF: 5542.8/37

All: -6.093+/-0.120 χ^2/NDF: 10317.4/76

\- sign -5.216+/-0.170 χ^2/NDF: 4721.8/38

reg_asym_us_dd_diff_bpm4aY_slope vs Slug



Right In: 0.048+/-0.331 χ^2/NDF: 75.0/15

Left Out: 2.842+/-0.154 χ^2/NDF:1178.5/21

Right Out: -0.259+/-0.344 χ^2/NDF: 27.5/17

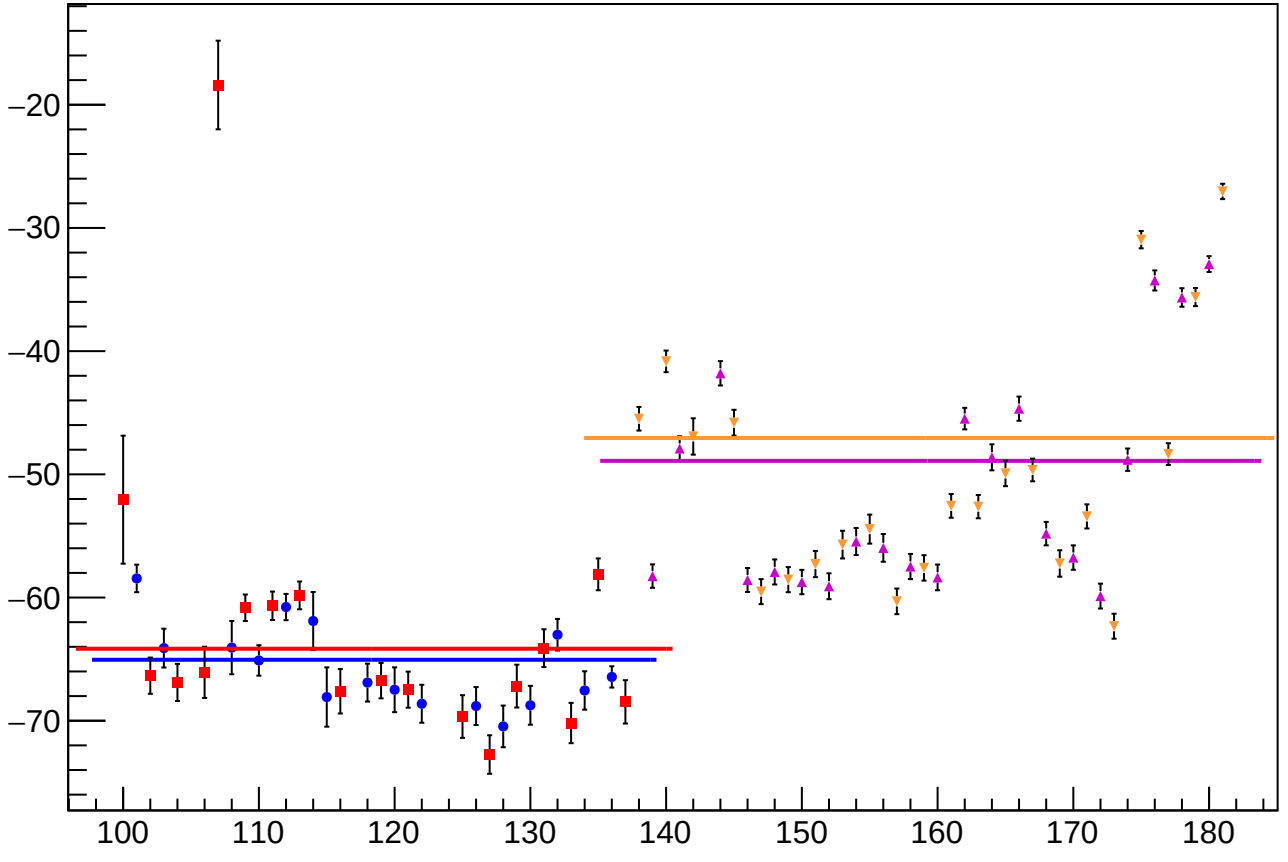
Left In: 2.456+/-0.157 χ^2/NDF:912.9/20

+ sign 2.347+/-0.139 χ^2/NDF: 1312.0/37

All: 2.172+/-0.100 χ^2/NDF: 2307.1/76

- sign 1.988+/-0.143 χ^2/NDF: 991.9/38

reg_asym_us_dd_diff_bpm4eX_slope vs Slug



Right In: -65.051+/-0.354 χ^2/NDF: 92.8/15

Left Out: -47.051+/-0.200 χ^2/NDF:3036.8/21

Right Out: -64.156+/-0.360 χ^2/NDF: 303.7/17

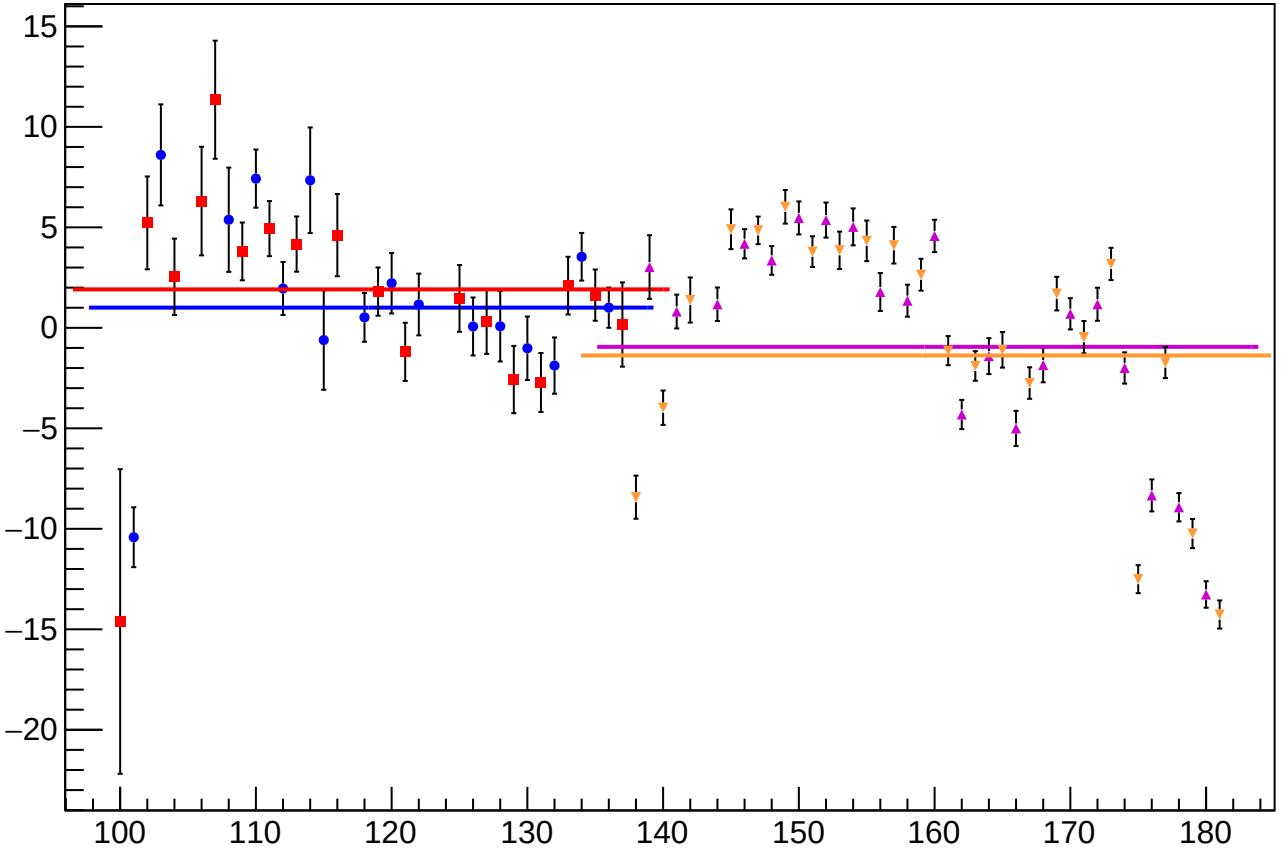
Left In: -48.906+/-0.205 χ^2/NDF:2253.4/20

+ sign -51.423+/-0.174 χ^2/NDF: 5087.1/37

All: -52.012+/-0.125 χ^2/NDF: 9020.9/76

- sign -52.627+/-0.178 χ^2/NDF: 3910.4/38

reg_asym_us_dd_diff_bpm4eY_slope vs Slug



Right In: 1.006+/-0.376 χ^2/NDF: 109.2/15

Left Out: -1.374+/-0.174 χ^2/NDF:1224.4/21

Right Out: 1.914+/-0.390 χ^2/NDF: 54.5/17

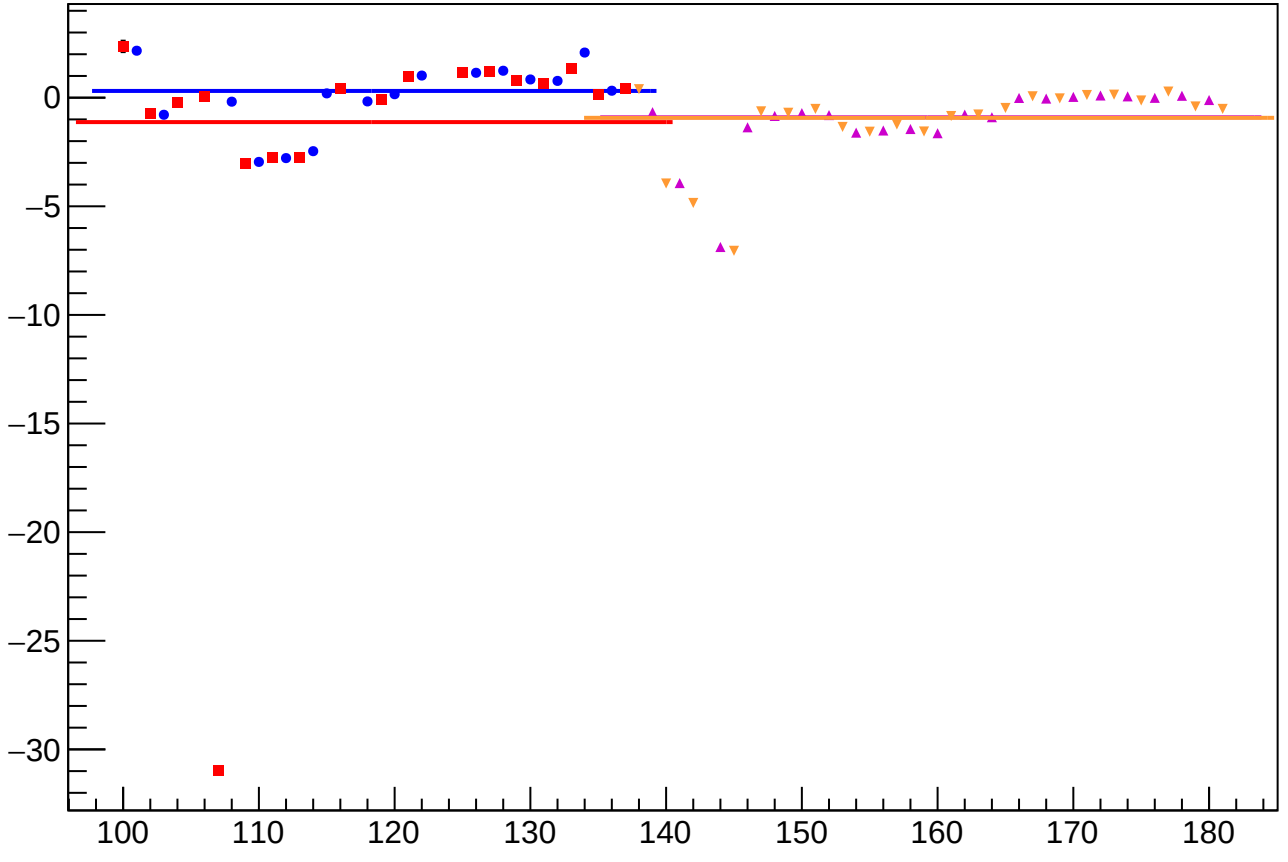
Left In: -0.946+/-0.177 χ^2/NDF:942.2/20

+ sign -0.954+/-0.158 χ^2/NDF: 1366.7/37

All: -0.710+/-0.113 χ^2/NDF: 2412.9/76

- sign -0.455+/-0.161 χ^2/NDF: 1041.3/38

reg_asym_us_dd_diff_bpm12X_slope vs Slug



Right In: 0.310+/-0.021 χ^2/NDF: 4848.4/15

Left Out: -0.927+/-0.008 χ^2/NDF:40388.3/21

Right Out: -1.124+/-0.022 χ^2/NDF: 46347.9/17

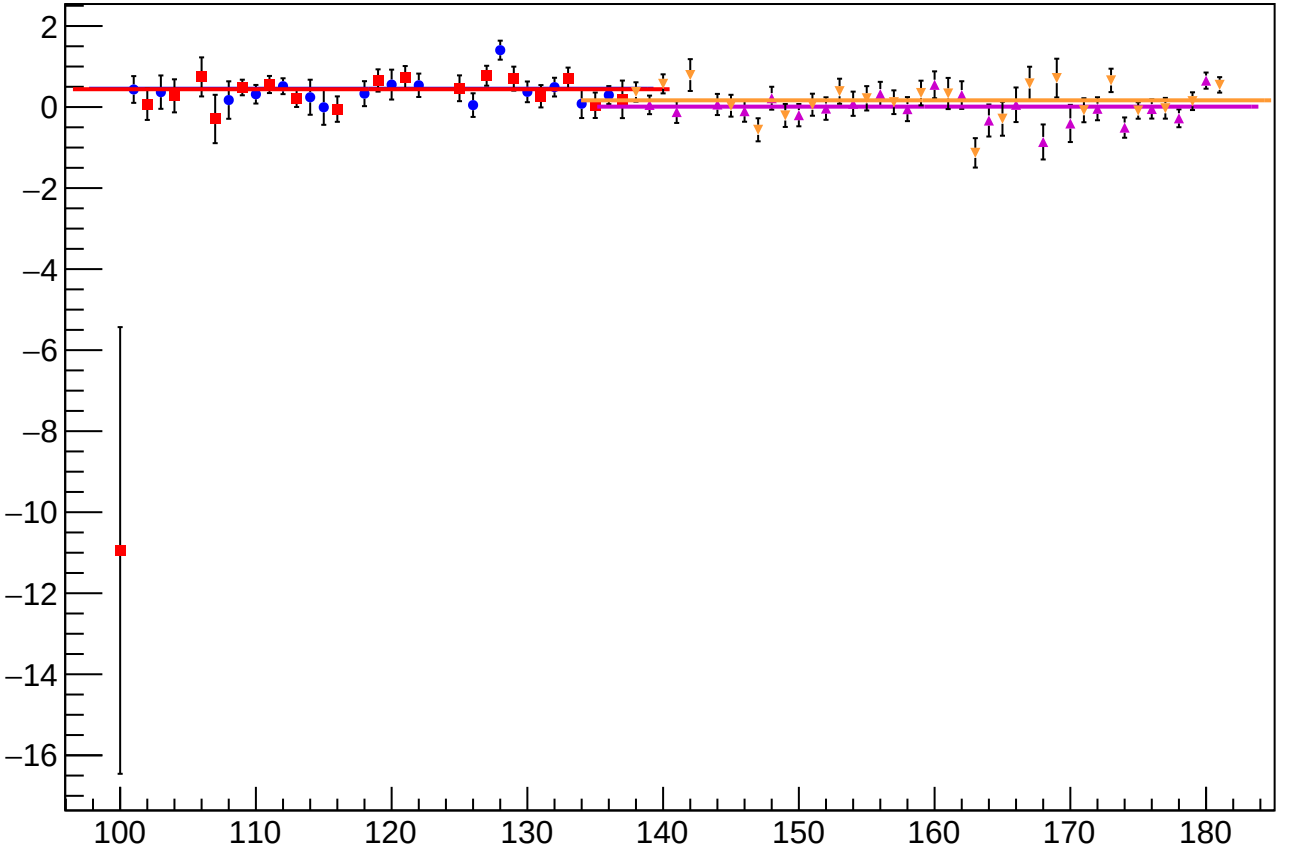
Left In: -0.903+/-0.008 χ^2/NDF:31266.3/20

+ sign -0.778+/-0.007 χ^2/NDF: 48272.0/37

All: -0.852+/-0.005 χ^2/NDF: 126181.6/76

- sign -0.928+/-0.007 χ^2/NDF: 77701.8/38

reg_asym_ds_avg_diff_bpm1X_slope vs Slug



Right In: 0.452+/-0.071 χ^2/NDF: 22.6/15

Left Out: 0.166+/-0.060 χ^2/NDF:42.0/21

Right Out: 0.440+/-0.070 χ^2/NDF: 18.5/17

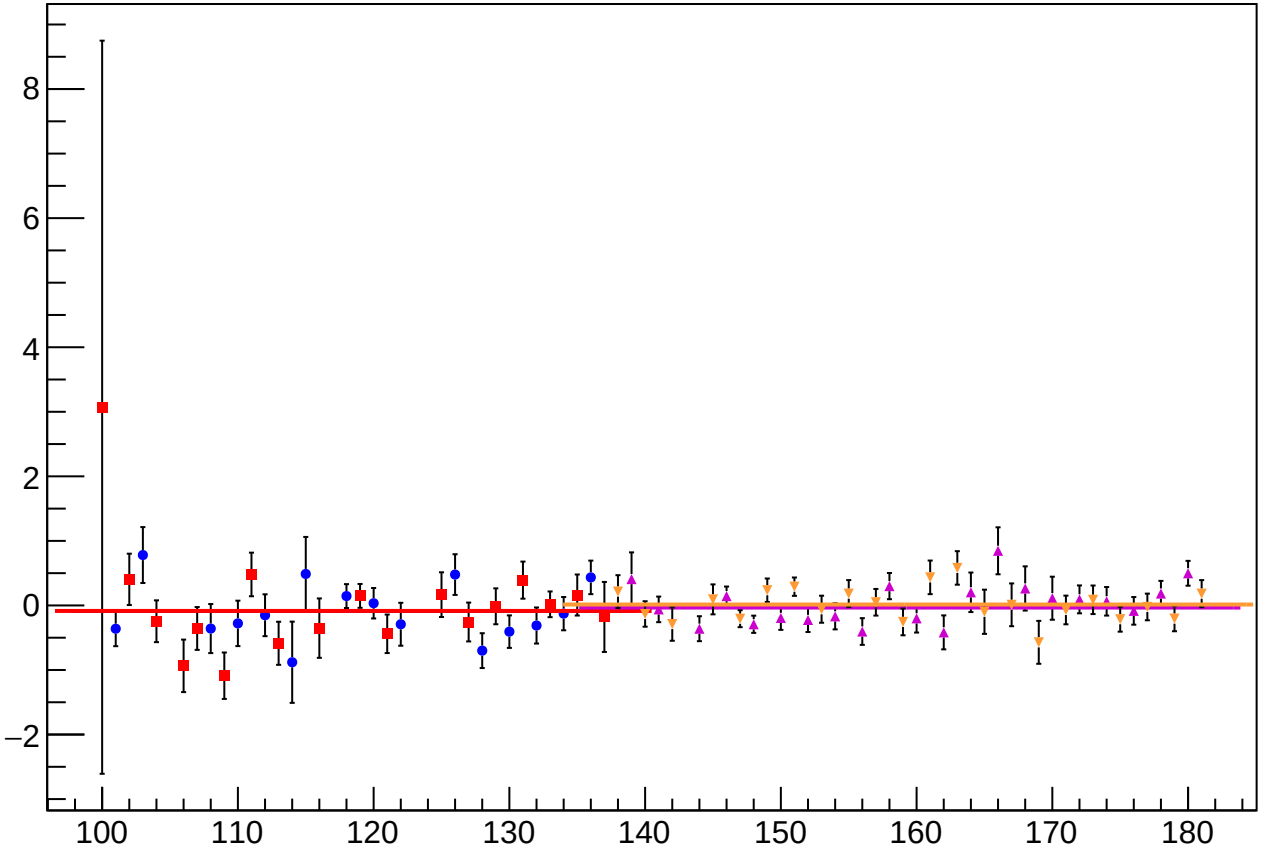
Left In: 0.010+/-0.061 χ^2/NDF:28.2/20

+ sign 0.284+/-0.046 χ^2/NDF: 74.1/37

All: 0.241+/-0.032 χ^2/NDF: 144.2/76

- sign 0.198+/-0.046 χ^2/NDF: 68.3/38

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug



Right In: -0.086+/-0.073 χ^2/NDF: 25.4/15

Left Out: 0.014+/-0.045 χ^2/NDF:27.4/21

Right Out: -0.085+/-0.074 χ^2/NDF: 27.9/17

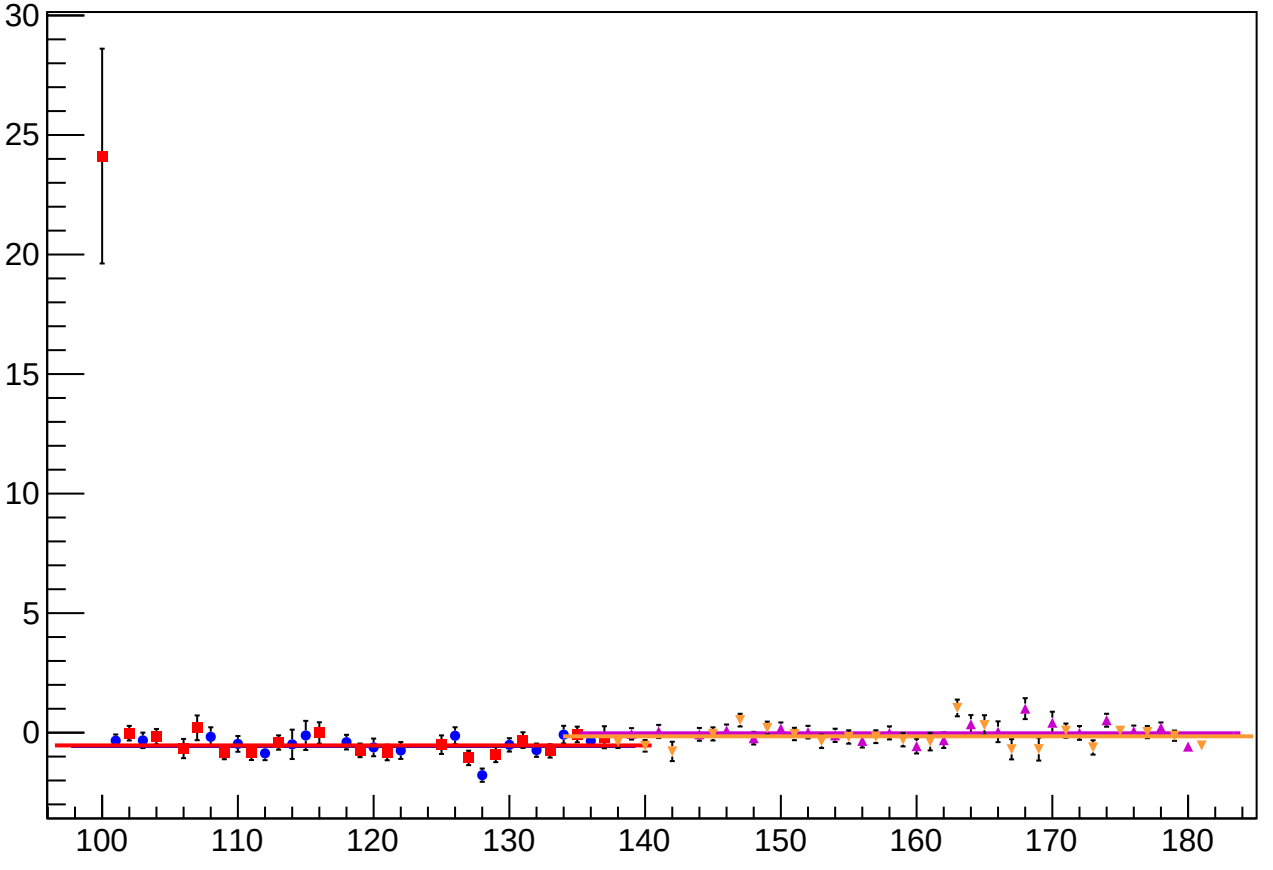
Left In: -0.033+/-0.046 χ^2/NDF:36.9/20

+ sign -0.013+/-0.038 χ^2/NDF: 54.1/37

All: -0.030+/-0.027 χ^2/NDF: 119.7/76

- sign -0.047+/-0.039 χ^2/NDF: 65.1/38

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug



Right In: -0.558+/-0.080 χ^2/NDF: 28.3/15

Left Out: -0.152+/-0.059 χ^2/NDF:40.1/21

Right Out: -0.534+/-0.081 χ^2/NDF: 49.2/17

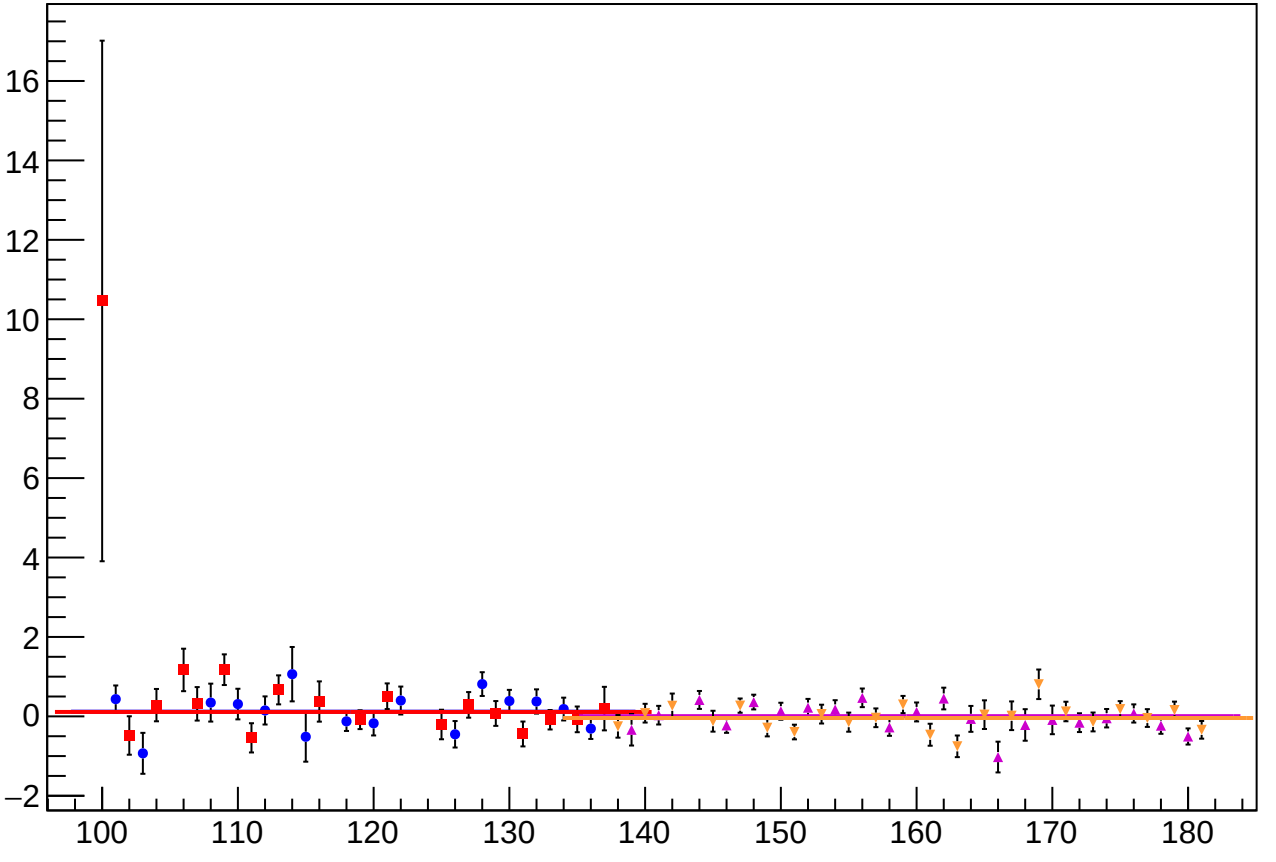
Left In: -0.027+/-0.060 χ^2/NDF:27.4/20

+ sign -0.296+/-0.047 χ^2/NDF: 85.2/37

All: -0.253+/-0.034 χ^2/NDF: 188.7/76

- sign -0.209+/-0.048 χ^2/NDF: 101.9/38

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug



Right In: 0.118+/-0.084 χ^2/NDF: 23.6/15

Left Out: -0.041+/-0.051 χ^2/NDF:31.6/21

Right Out: 0.111+/-0.085 χ^2/NDF: 29.0/17

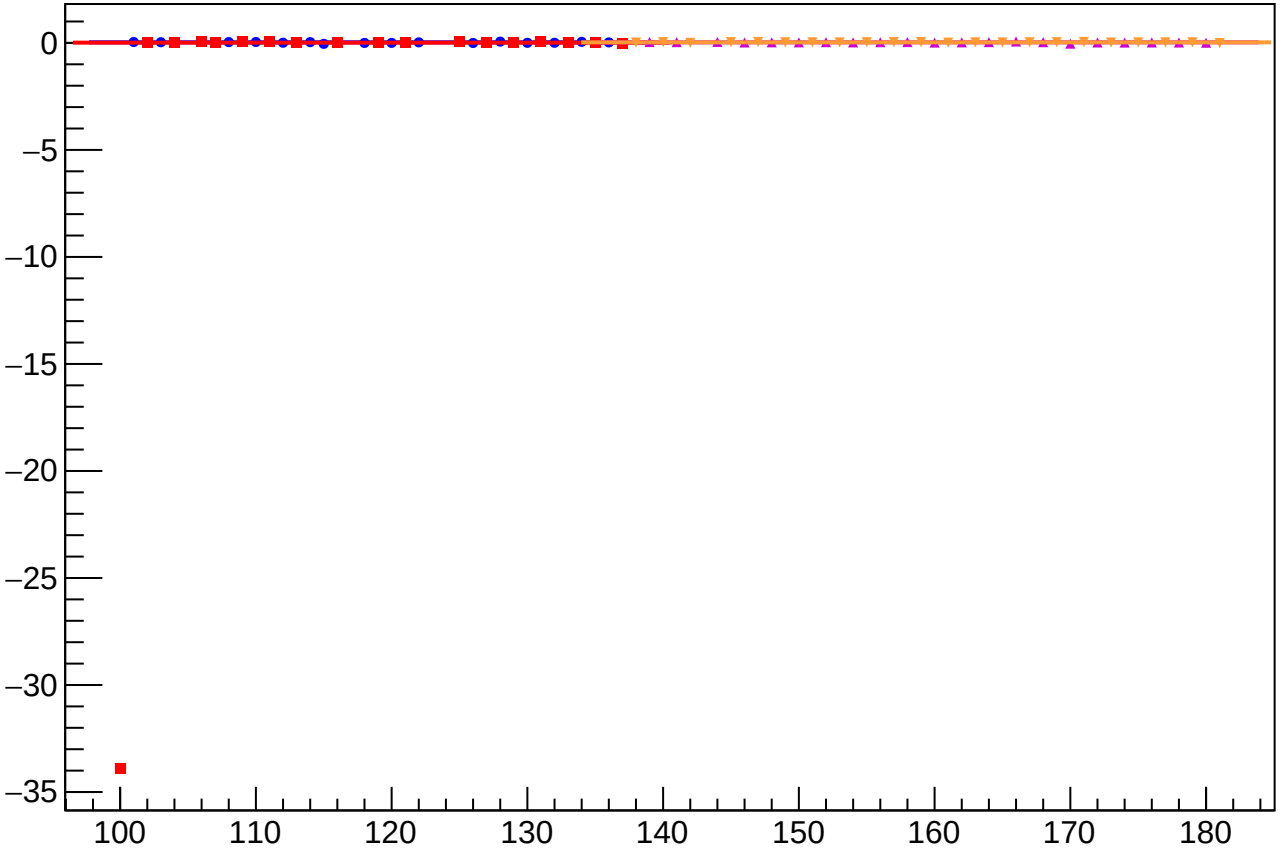
Left In: 0.005+/-0.052 χ^2/NDF:35.3/20

+ sign 0.002+/-0.044 χ^2/NDF: 57.8/37

All: 0.018+/-0.031 χ^2/NDF: 123.5/76

- sign 0.035+/-0.044 χ^2/NDF: 65.4/38

reg_asym_ds_avg_diff_bpm12X_slope vs Slug



Right In: 0.027+/-0.005 χ^2/NDF: 14.7/15

Left Out: 0.026+/-0.002 χ^2/NDF:28.6/21

Right Out: 0.012+/-0.005 χ^2/NDF: 22262.0/17

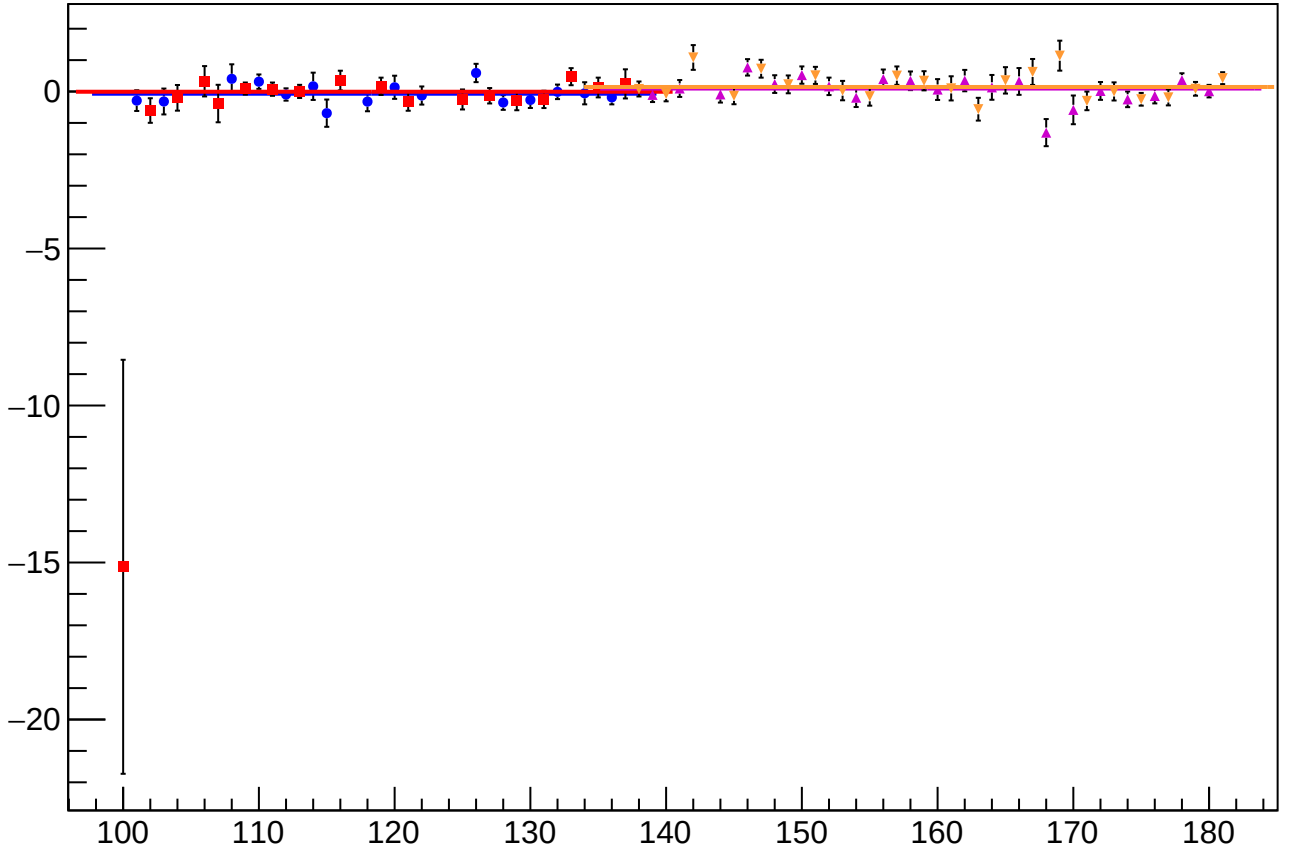
Left In: 0.027+/-0.002 χ^2/NDF:37.6/20

+ sign 0.026+/-0.002 χ^2/NDF: 43.4/37

All: 0.025+/-0.001 χ^2/NDF: 22351.4/76

- sign 0.024+/-0.002 χ^2/NDF: 22307.7/38

reg_asym_ds_dd_diff_bpm1X_slope vs Slug



Right In: -0.070+/-0.071 χ^2/NDF: 15.5/15

Left Out: 0.144+/-0.060 χ^2/NDF:36.8/21

Right Out: -0.007+/-0.070 χ^2/NDF: 18.1/17

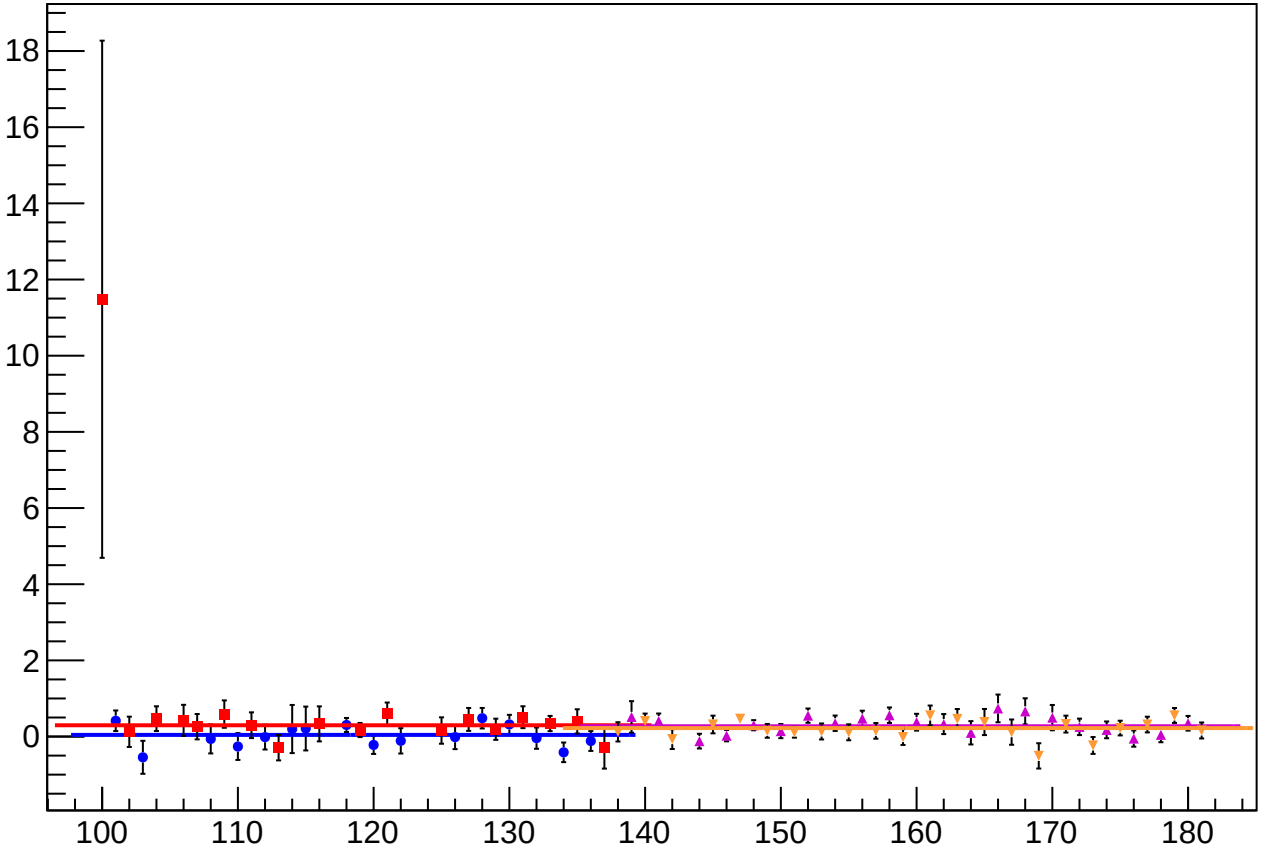
Left In: 0.094+/-0.061 χ^2/NDF:31.5/20

\+ sign 0.056+/-0.046 χ^2/NDF: 57.6/37

All: 0.053+/-0.032 χ^2/NDF: 108.5/76

\- sign 0.050+/-0.046 χ^2/NDF: 50.9/38

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug



Right In: 0.044+/-0.073 χ^2/NDF: 15.7/15

Left Out: 0.222+/-0.045 χ^2/NDF:23.8/21

Right Out: 0.296+/-0.074 χ^2/NDF: 11.0/17

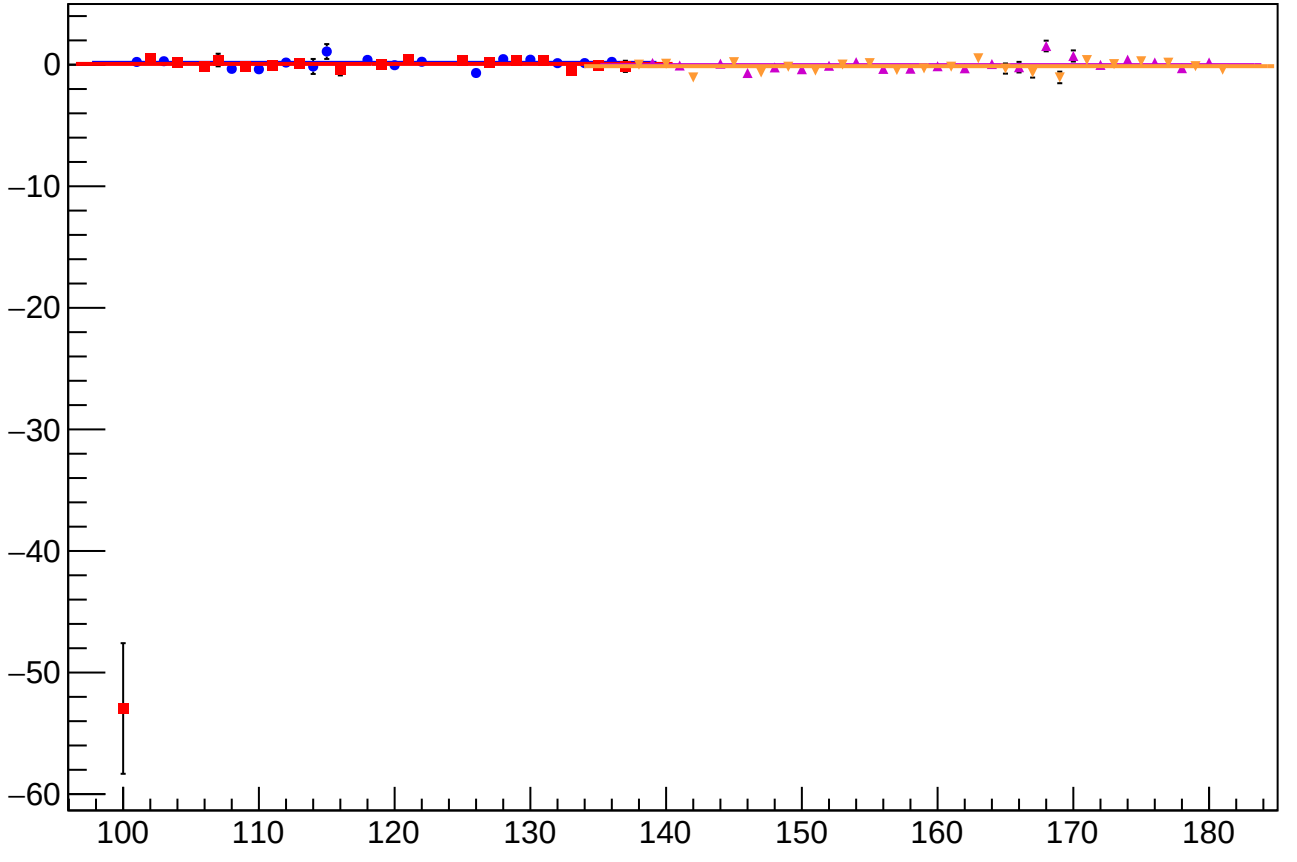
Left In: 0.270+/-0.046 χ^2/NDF:21.5/20

+ sign 0.174+/-0.038 χ^2/NDF: 43.9/37

All: 0.225+/-0.027 χ^2/NDF: 80.1/76

- sign 0.277+/-0.039 χ^2/NDF: 32.6/38

reg_asym_ds_dd_diff_bpm4eX_slope vs Slug



Right In: 0.154+/-0.080 χ^2/NDF: 15.6/15

Left Out: -0.121+/-0.059 χ^2/NDF:35.4/21

Right Out: 0.065+/-0.081 χ^2/NDF: 109.3/17

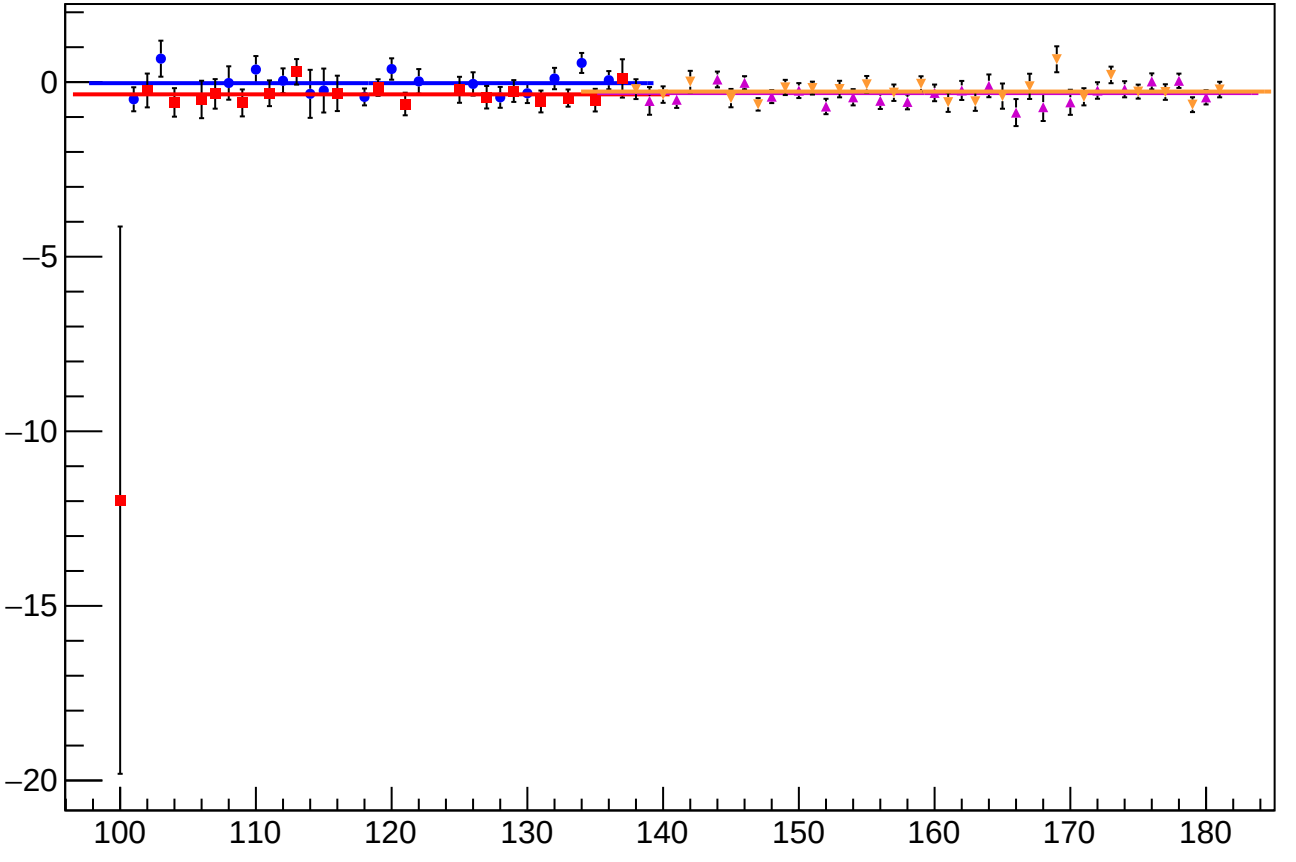
Left In: -0.034+/-0.060 χ^2/NDF:35.4/20

+ sign -0.024+/-0.047 χ^2/NDF: 58.7/37

All: -0.012+/-0.034 χ^2/NDF: 204.6/76

- sign 0.001+/-0.048 χ^2/NDF: 145.7/38

reg_asym_ds_dd_diff_bpm4eY_slope vs Slug



Right In: -0.030+/-0.084 χ^2/NDF: 16.8/15

Left Out: -0.271+/-0.051 χ^2/NDF:24.5/21

Right Out: -0.350+/-0.085 χ^2/NDF: 9.4/17

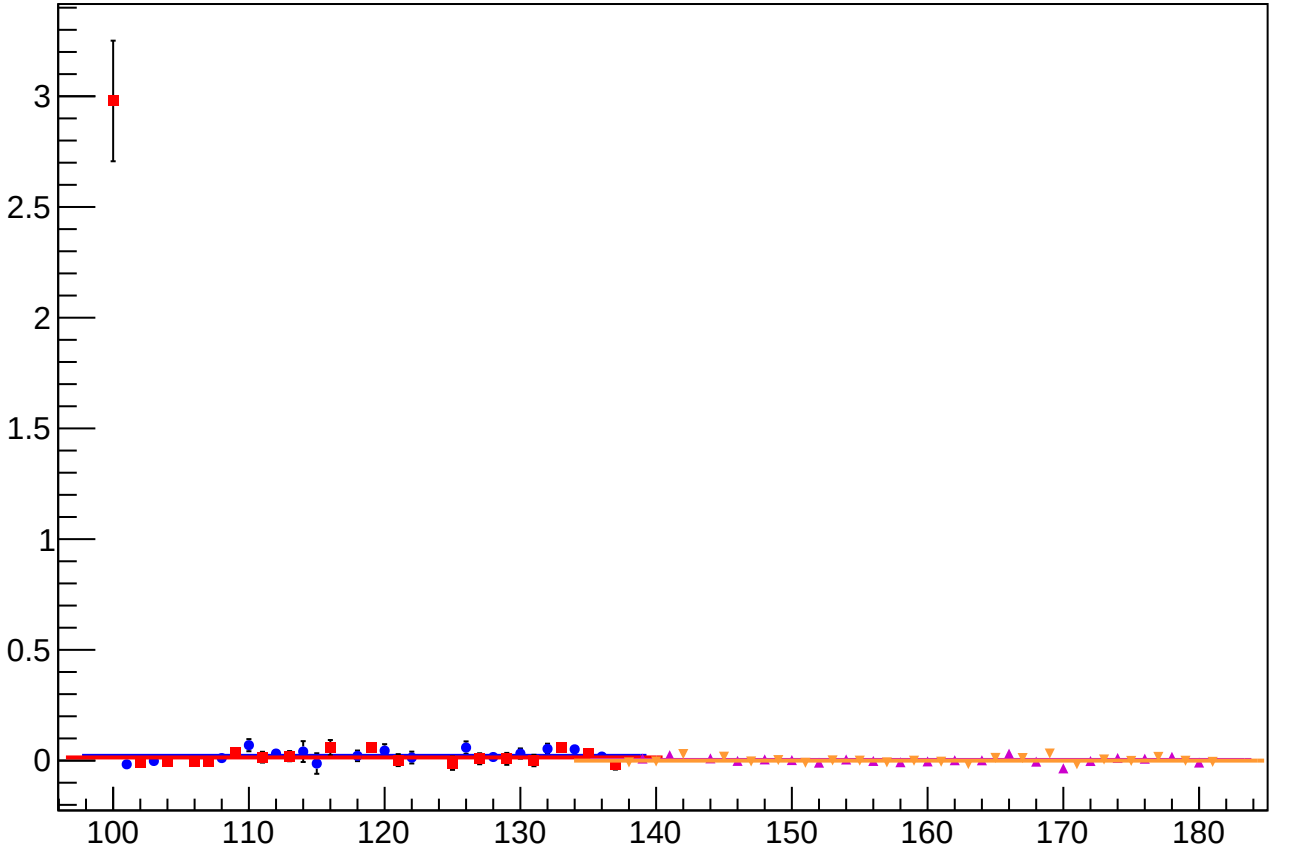
Left In: -0.314+/-0.052 χ^2/NDF:22.3/20

+ sign -0.205+/-0.044 χ^2/NDF: 47.3/37

All: -0.264+/-0.031 χ^2/NDF: 82.8/76

- sign -0.324+/-0.044 χ^2/NDF: 31.9/38

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:21.7/21

Right Out: 0.014+/-0.005 χ^2/NDF: 140.9/17

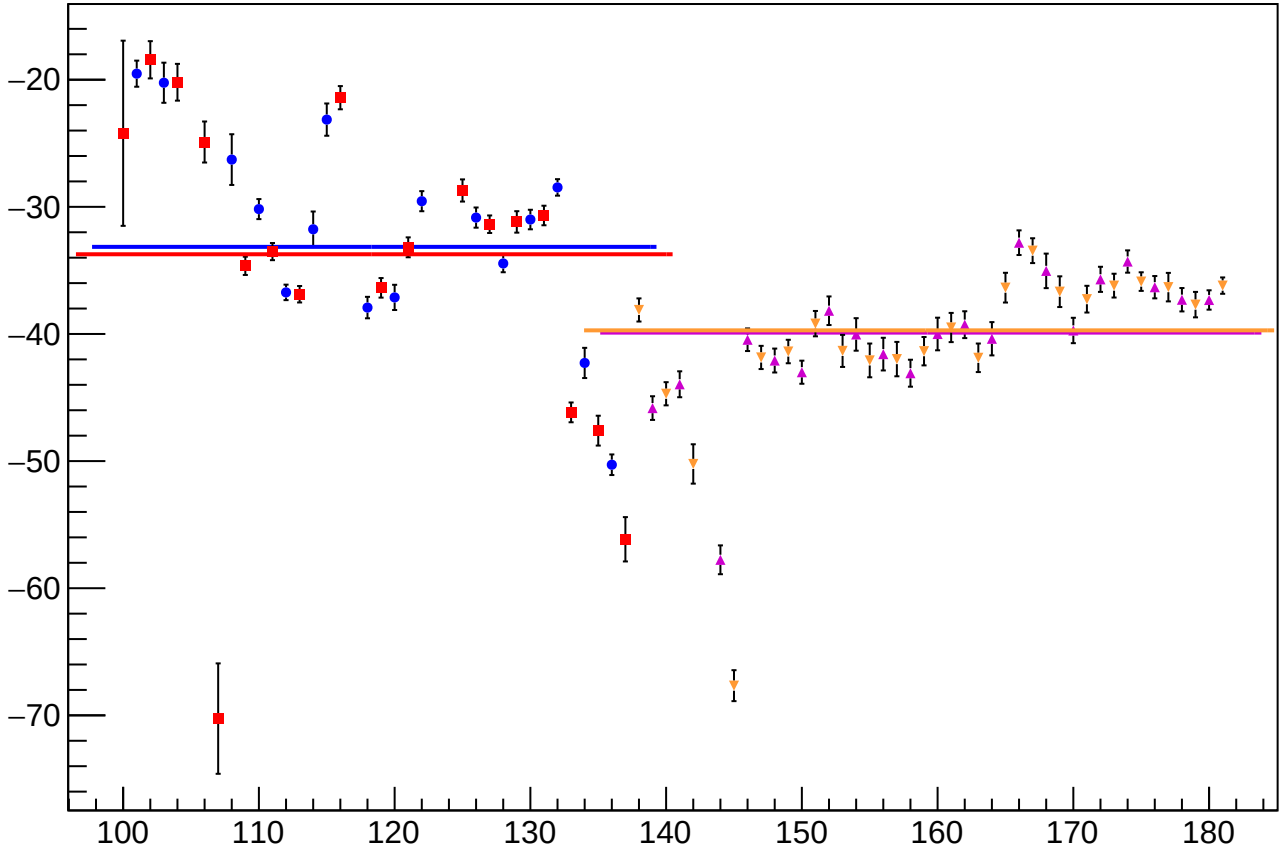
Left In: 0.003+/-0.002 χ^2/NDF:21.9/20

\+ sign 0.004+/-0.002 χ^2/NDF: 60.3/37

All: 0.004+/-0.001 χ^2/NDF: 227.6/76

\- sign 0.005+/-0.002 χ^2/NDF: 167.2/38

reg_asym_left_avg_diff_bpm1X_slope vs Slug



Right In: -33.148+/-0.218 χ^2/NDF: 1013.9/15

Left Out: -39.716+/-0.215 χ^2/NDF:774.7/21

Right Out: -33.730+/-0.215 χ^2/NDF: 1148.4/17

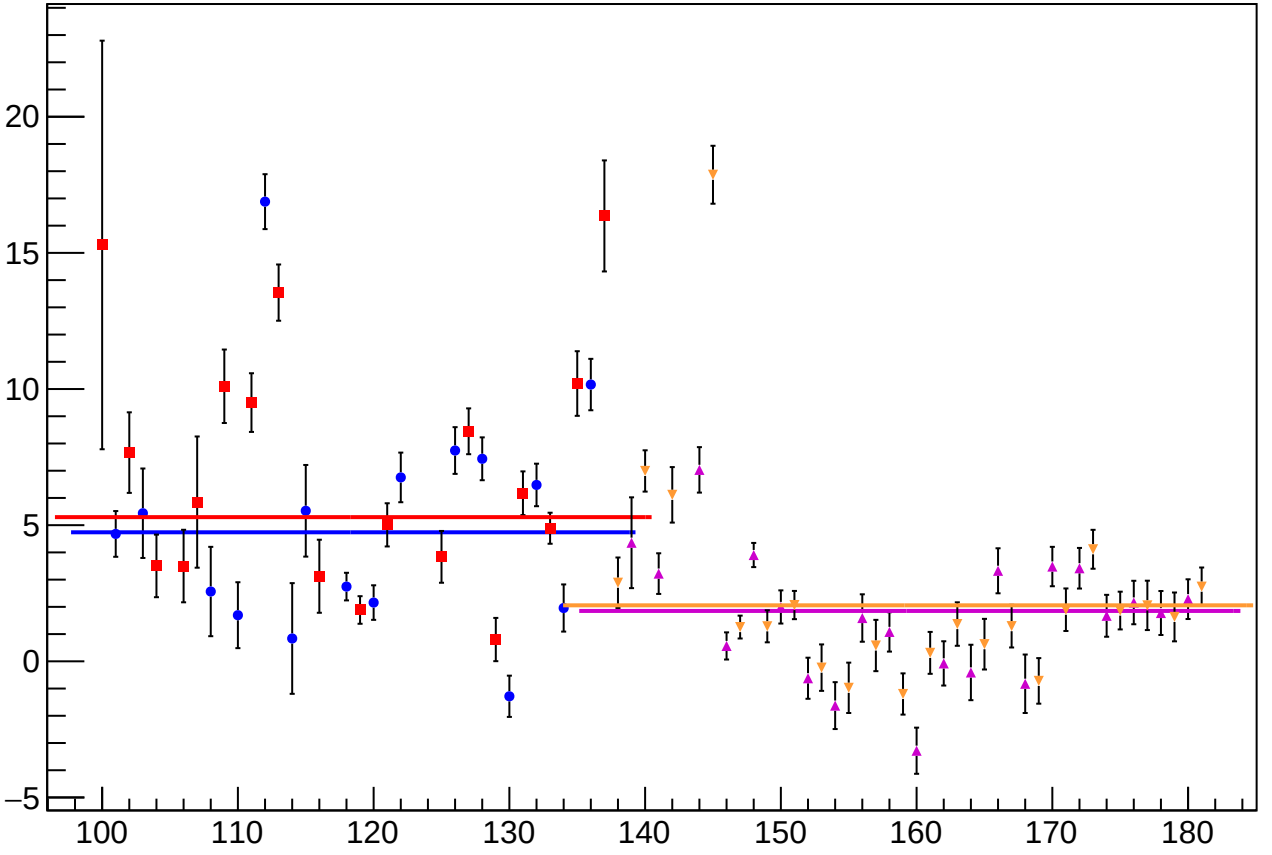
Left In: -39.893+/-0.220 χ^2/NDF:496.7/20

+ sign -36.472+/-0.153 χ^2/NDF: 2248.1/37

All: -36.604+/-0.109 χ^2/NDF: 4296.0/76

- sign -36.736+/-0.154 χ^2/NDF: 2046.4/38

reg_asym_left_avg_diff_bpm4aY_slope vs Slug



Right In: 4.738+/-0.219 χ^2/NDF: 329.6/15

Left Out: 2.056+/-0.158 χ^2/NDF:353.9/21

Right Out: 5.295+/-0.223 χ^2/NDF: 245.0/17

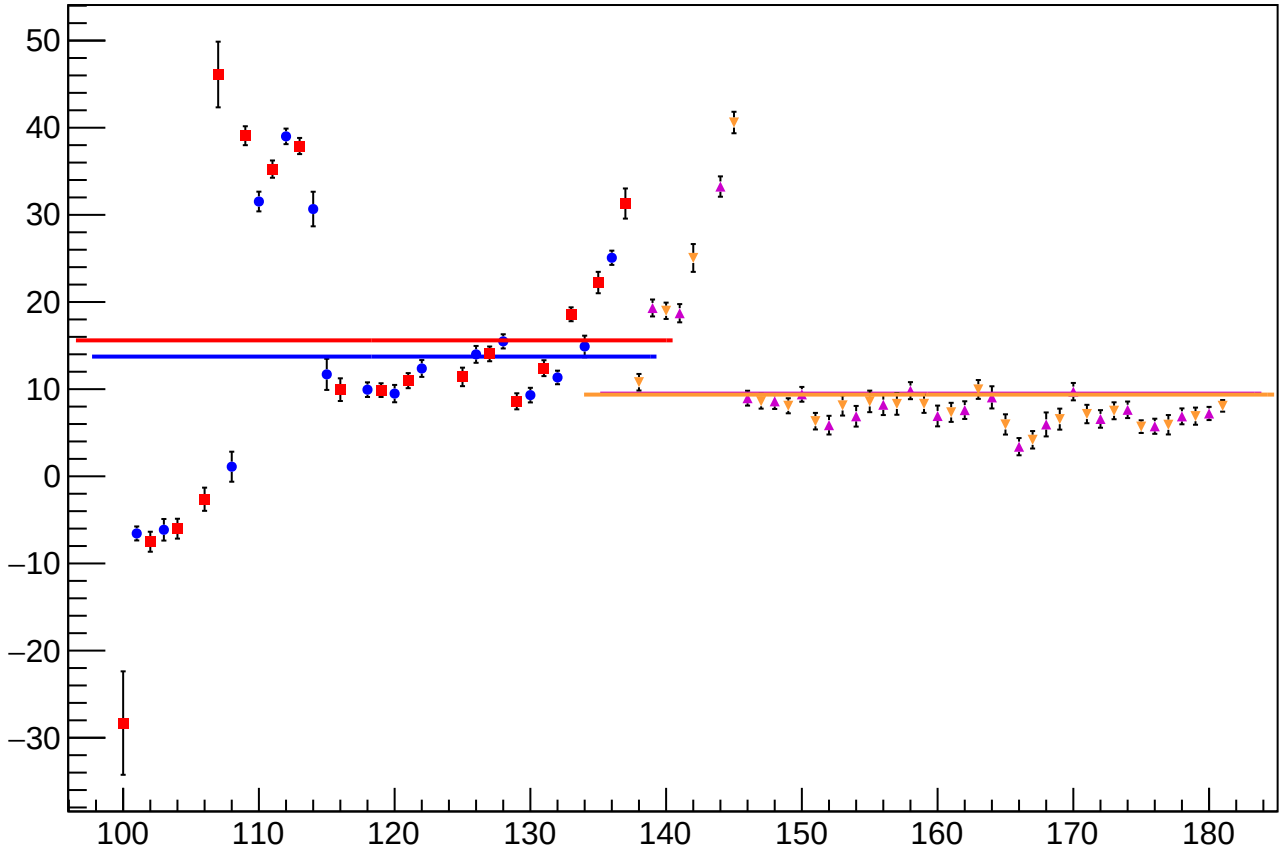
Left In: 1.850+/-0.162 χ^2/NDF:167.2/20

\+ sign 2.973+/-0.128 χ^2/NDF: 782.0/37

All: 3.003+/-0.092 χ^2/NDF: 1350.4/76

\- sign 3.034+/-0.131 χ^2/NDF: 568.4/38

reg_asym_left_avg_diff_bpm4eX_slope vs Slug



Right In: 13.738+/-0.247 χ^2/NDF: 2349.9/15

Left Out: 9.377+/-0.213 χ^2/NDF:960.4/21

Right Out: 15.599+/-0.250 χ^2/NDF: 2826.3/17

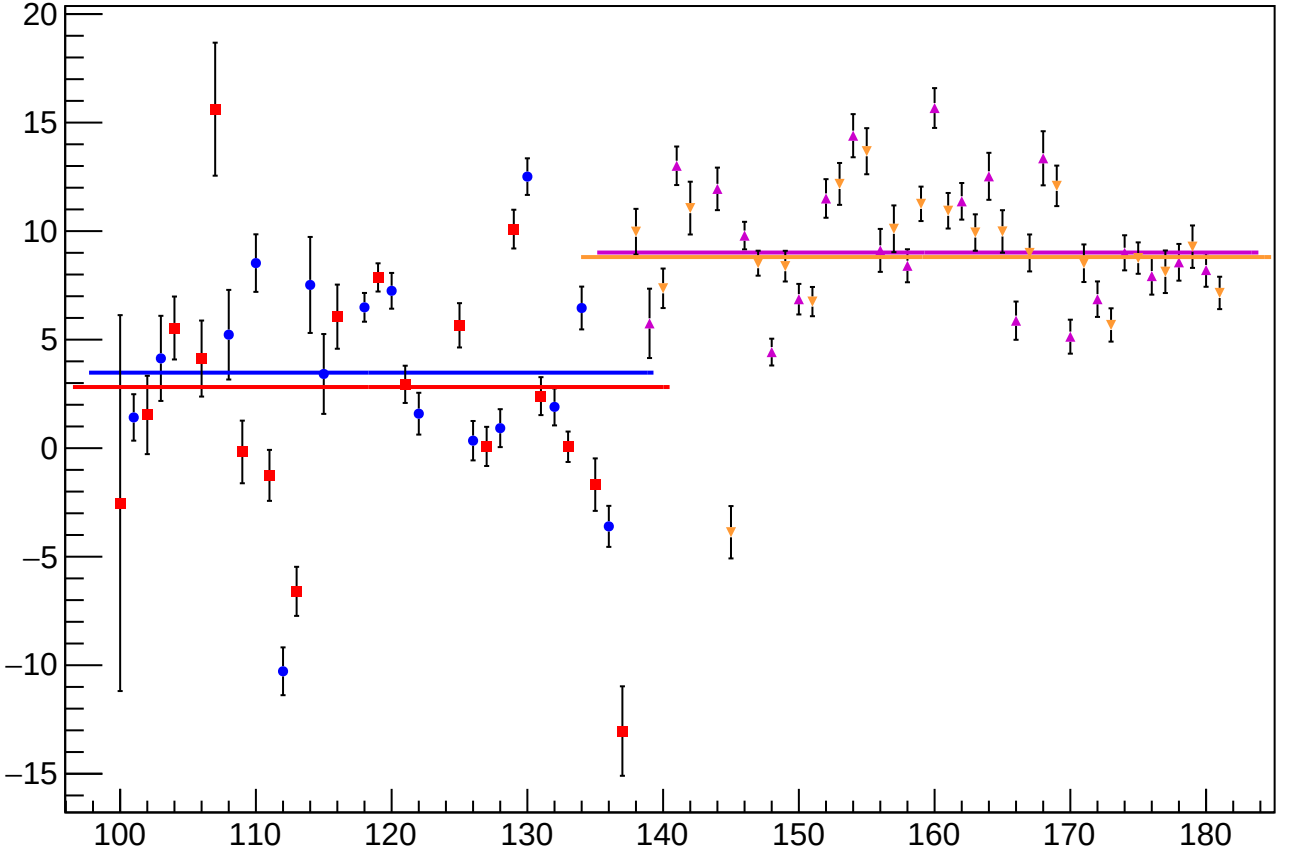
Left In: 9.487+/-0.217 χ^2/NDF:714.3/20

\+ sign 11.234+/-0.161 χ^2/NDF: 3489.6/37

All: 11.663+/-0.115 χ^2/NDF: 7386.0/76

\- sign 12.107+/-0.164 χ^2/NDF: 3882.0/38

reg_asym_left_avg_diff_bpm4eY_slope vs Slug



Right In: 3.479+/-0.254 χ^2/NDF: 427.6/15

Left Out: 8.804+/-0.181 χ^2/NDF:216.6/21

Right Out: 2.817+/-0.257 χ^2/NDF: 345.3/17

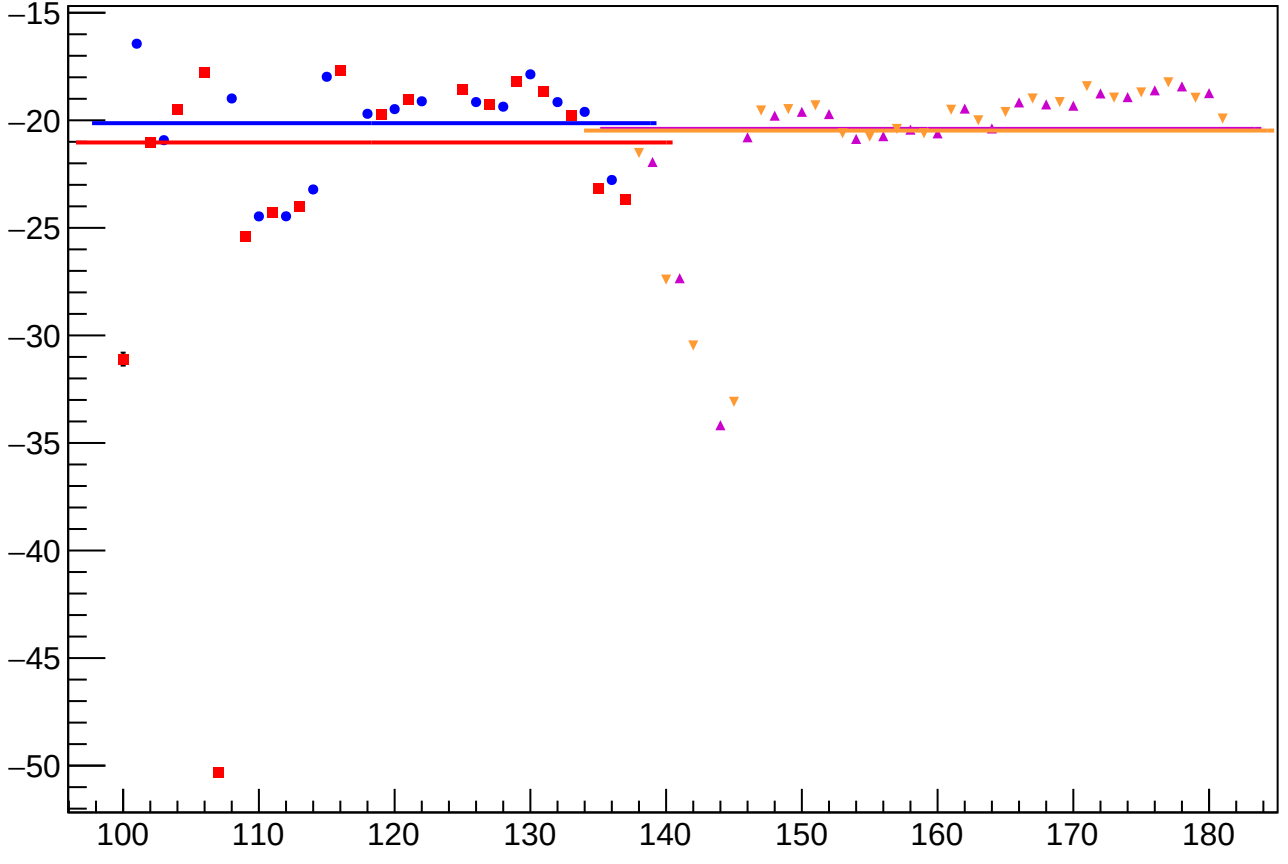
Left In: 9.014+/-0.185 χ^2/NDF:267.5/20

+ sign 7.004+/-0.148 χ^2/NDF: 935.9/37

All: 6.956+/-0.105 χ^2/NDF: 1931.8/76

- sign 6.906+/-0.150 χ^2/NDF: 995.7/38

reg_asym_left_avg_diff_bpm12X_slope vs Slug



Right In: -20.133+/-0.016 χ^2/NDF: 19831.2/15

Left Out: -20.477+/-0.008 χ^2/NDF:137703.1/21

Right Out: -21.031+/-0.016 χ^2/NDF: 57523.6/17

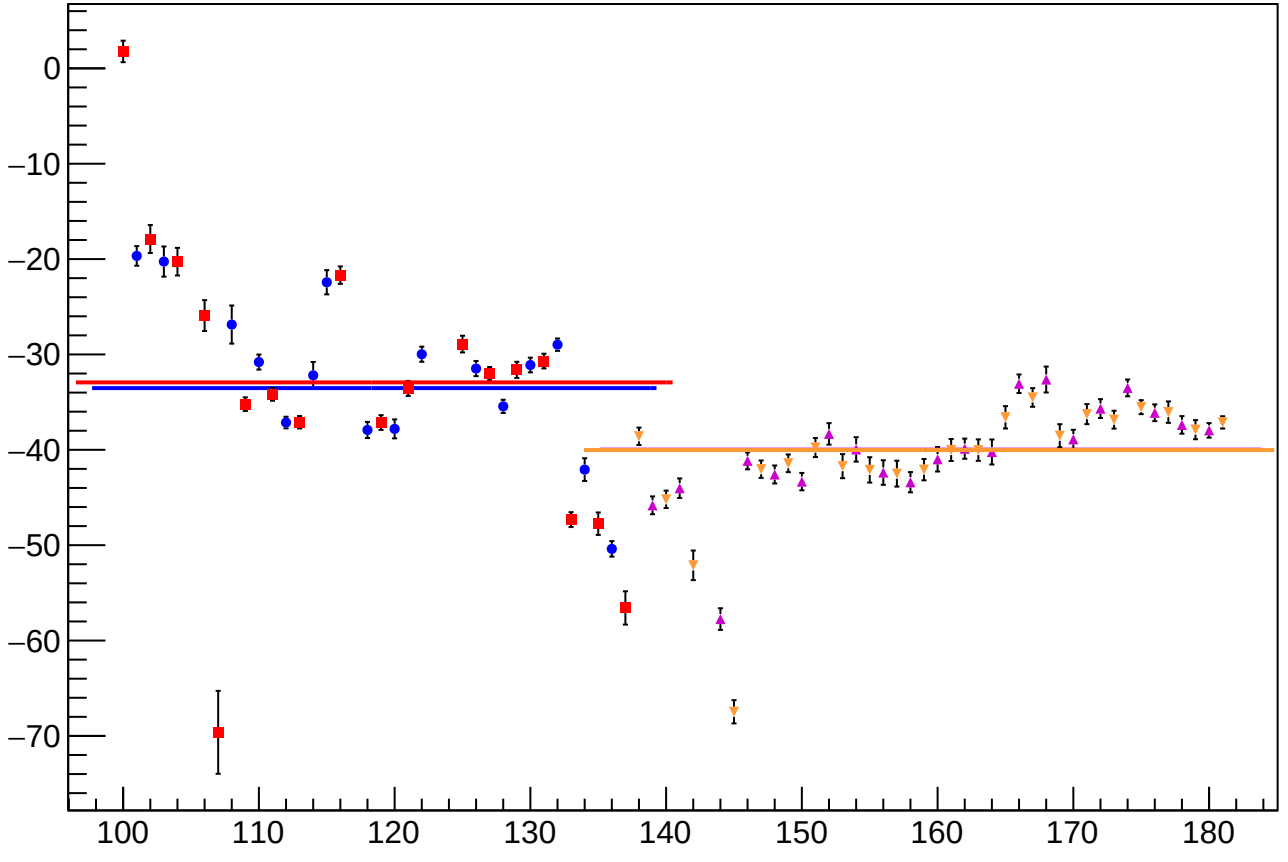
Left In: -20.398+/-0.008 χ^2/NDF:113131.2/20

+ sign -20.403+/-0.007 χ^2/NDF: 157896.6/37

All: -20.465+/-0.005 χ^2/NDF: 329866.3/76

- sign -20.527+/-0.007 χ^2/NDF: 171830.4/38

reg_asym_left_dd_diff_bpm1X_slope vs Slug



Right In: -33.528+/-0.218 χ^2/NDF: 1008.7/15

Left Out: -40.024+/-0.216 χ^2/NDF:760.5/21

Right Out: -32.931+/-0.212 χ^2/NDF: 2170.0/17

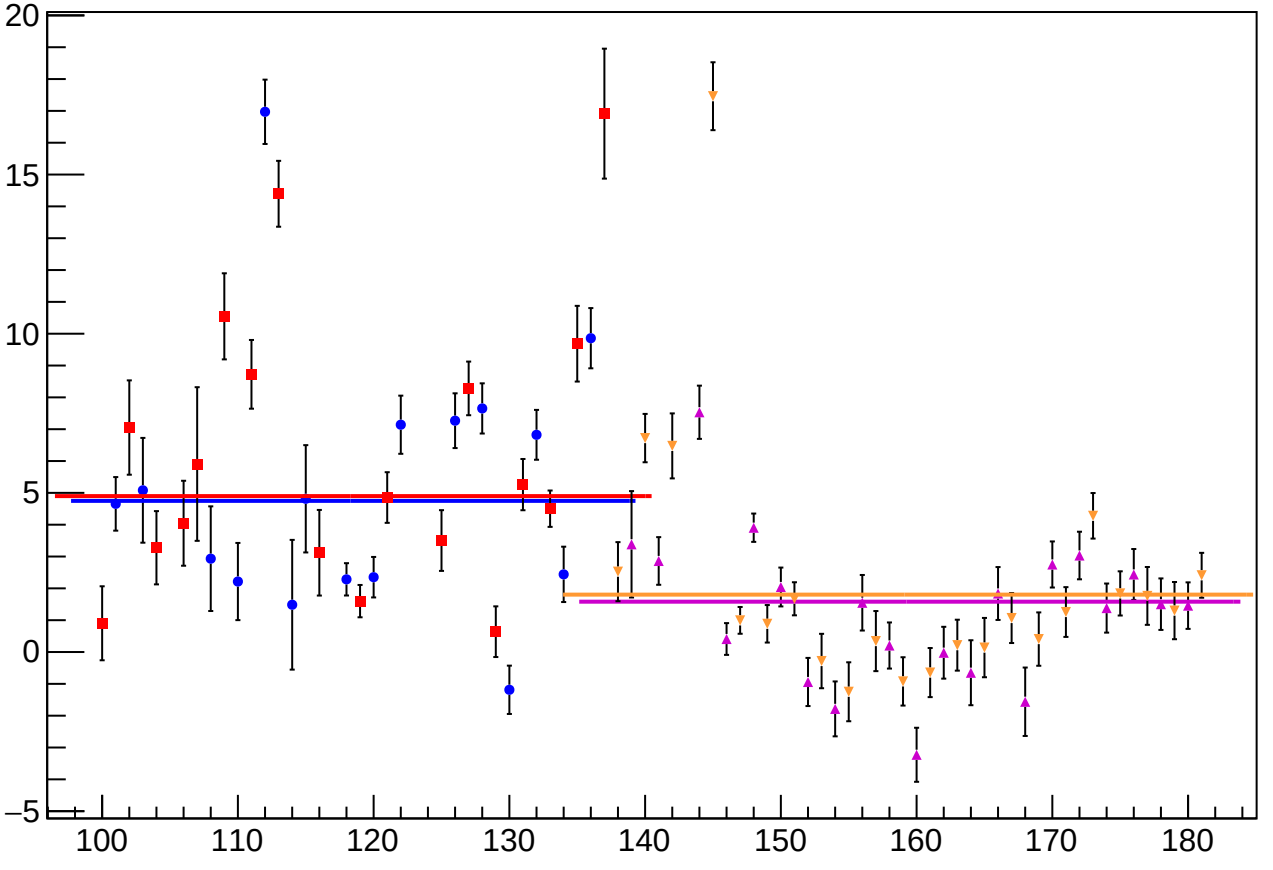
Left In: -39.981+/-0.221 χ^2/NDF:527.3/20

+ sign -36.817+/-0.153 χ^2/NDF: 2216.9/37

All: -36.562+/-0.108 χ^2/NDF: 5451.6/76

- sign -36.309+/-0.153 χ^2/NDF: 3229.3/38

reg_asym_left_dd_diff_bpm4aY_slope vs Slug



Right In: 4.748+/-0.220 χ^2/NDF: 325.7/15

Left Out: 1.803+/-0.158 χ^2/NDF:351.6/21

Right Out: 4.898+/-0.220 χ^2/NDF: 273.1/17

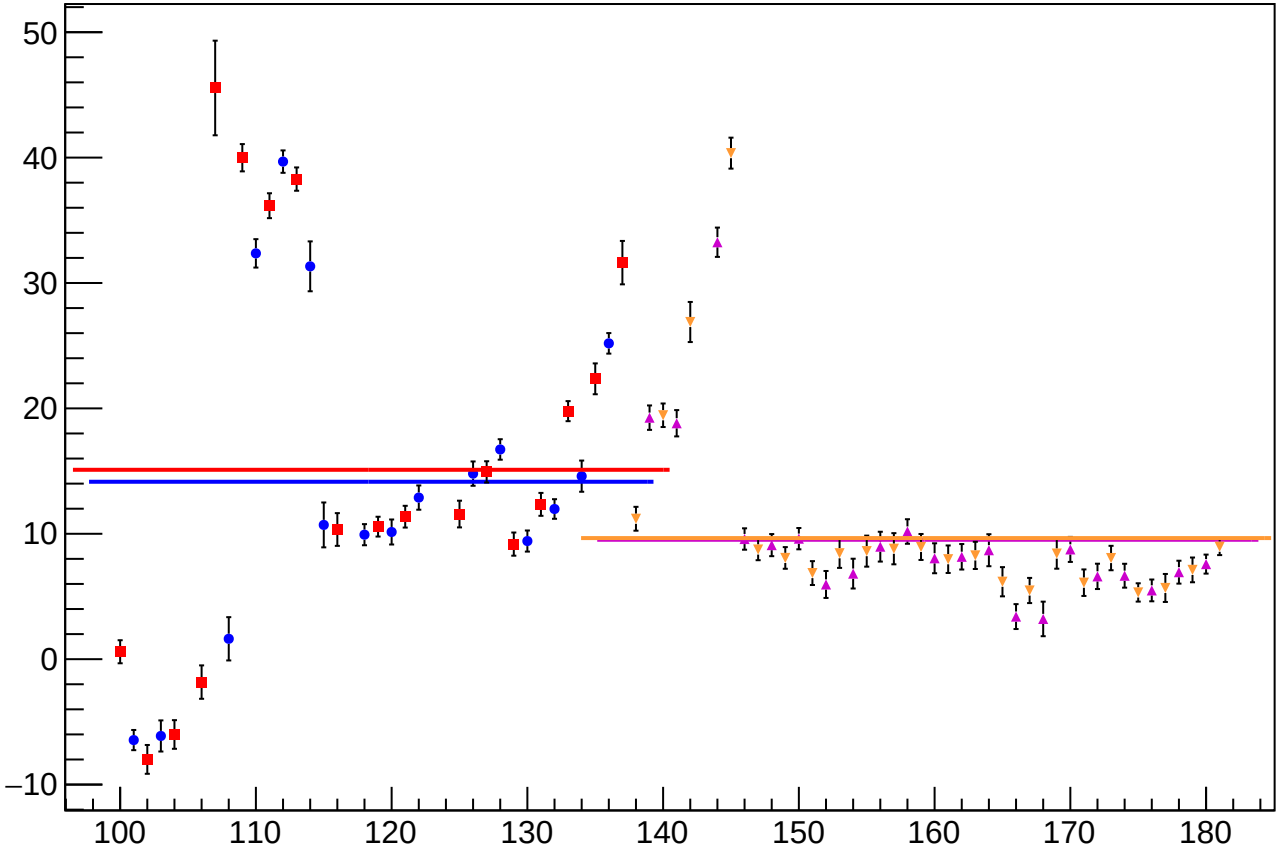
Left In: 1.581+/-0.162 χ^2/NDF:175.1/20

+ sign 2.809+/-0.128 χ^2/NDF: 795.7/37

All: 2.779+/-0.091 χ^2/NDF: 1391.5/76

- sign 2.747+/-0.130 χ^2/NDF: 595.7/38

reg_asym_left_dd_diff_bpm4eX_slope vs Slug



Right In: 14.149+/-0.247 χ^2/NDF: 2402.4/15

Left Out: 9.657+/-0.213 χ^2/NDF:962.2/21

Right Out: 15.103+/-0.242 χ^2/NDF: 3102.3/17

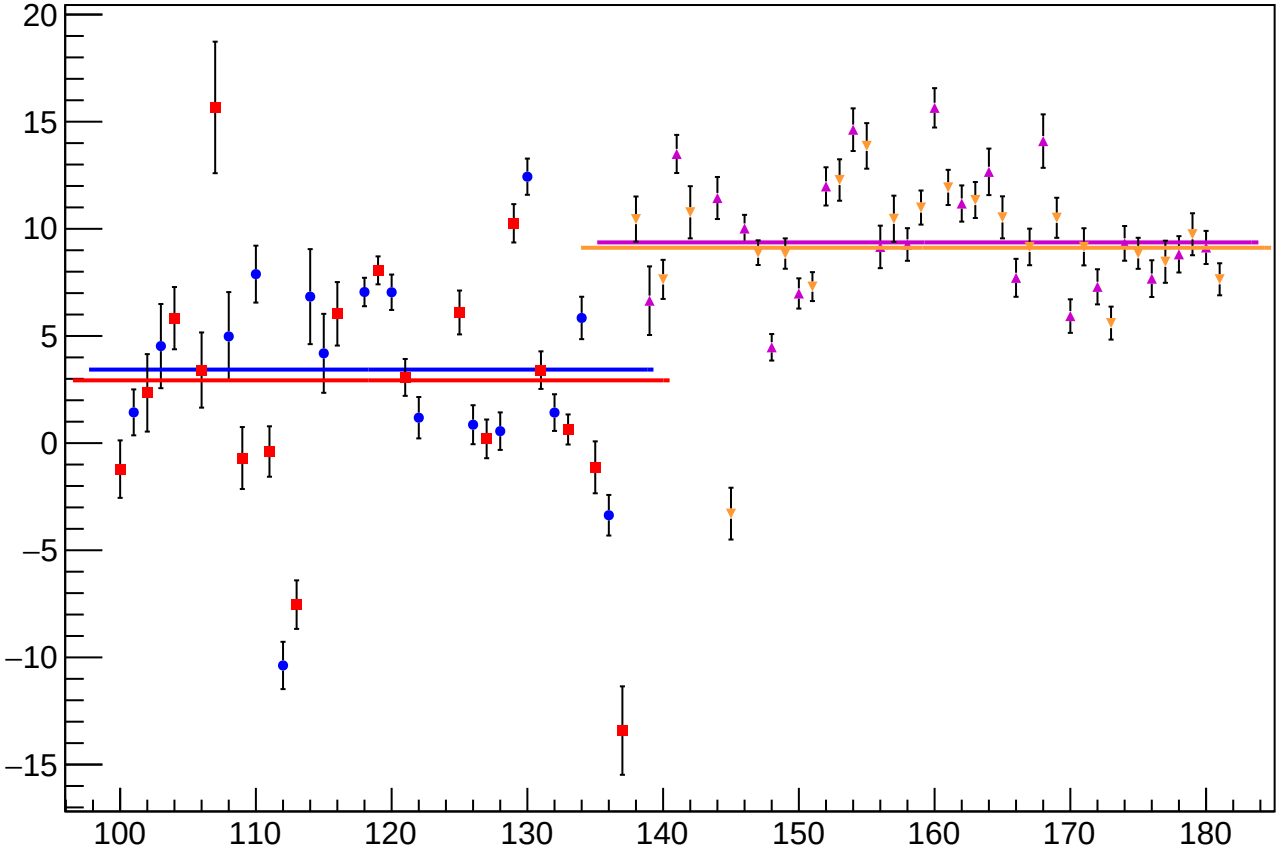
Left In: 9.523+/-0.217 χ^2/NDF:724.6/20

+ sign 11.570+/-0.161 χ^2/NDF: 3554.1/37

All: 11.790+/-0.114 χ^2/NDF: 7679.4/76

- sign 12.010+/-0.162 χ^2/NDF: 4121.6/38

reg_asym_left_dd_diff_bpm4eY_slope vs Slug



Right In: 3.432+/-0.254 χ^2/NDF: 424.0/15

Left Out: 9.116+/-0.182 χ^2/NDF:205.6/21

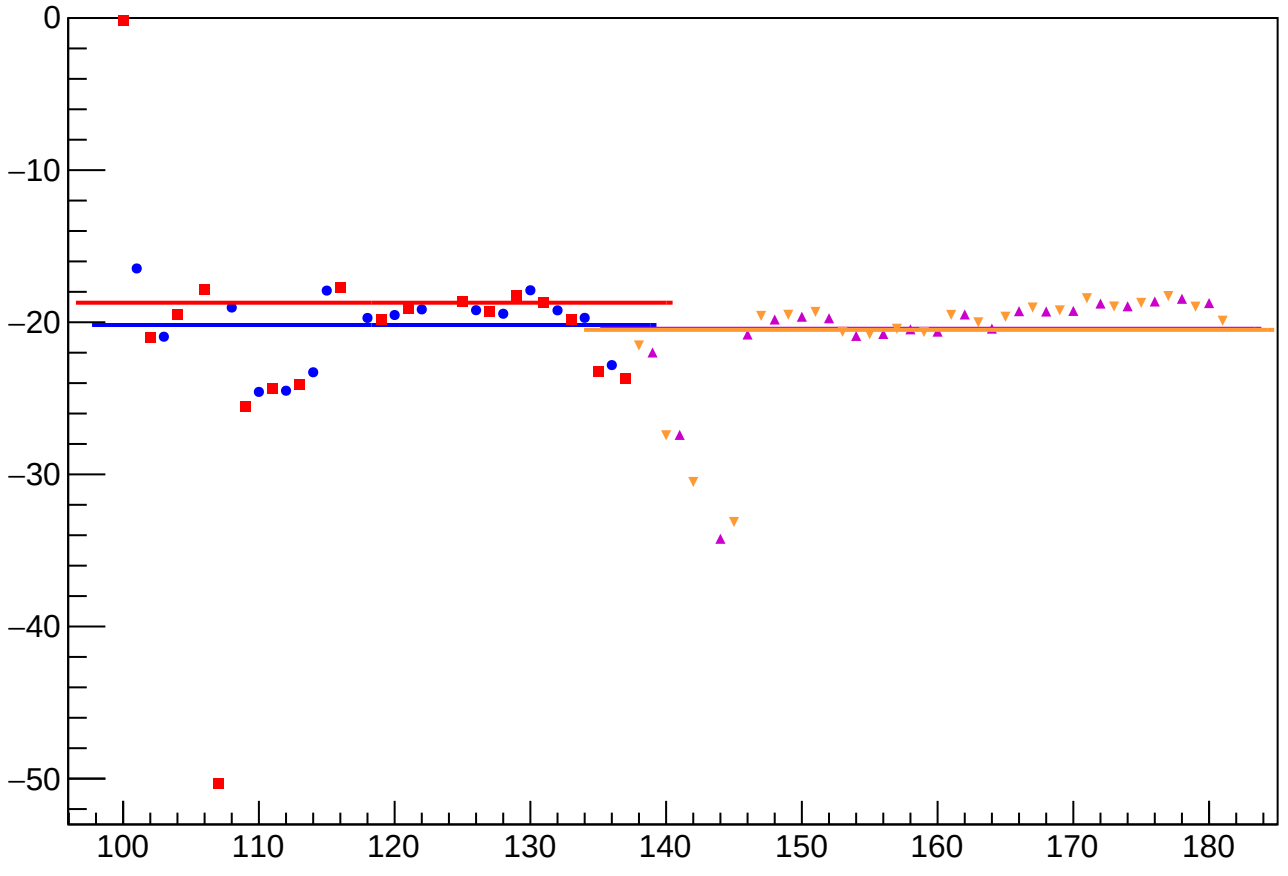
Right Out: 2.929+/-0.253 χ^2/NDF: 367.7/17

Left In: 9.367+/-0.185 χ^2/NDF:249.0/20

+ sign 7.195+/-0.148 χ^2/NDF: 960.6/37

All: 7.162+/-0.105 χ^2/NDF: 1998.7/76

- sign 7.128+/-0.149 χ^2/NDF: 1038.0/38



Right In: -20.180+/-0.016 χ^2/NDF: 19856.9/15

Left Out: -20.501+/-0.008 χ^2/NDF:137392.0/21

Right Out: -18.714+/-0.016 χ^2/NDF: 234667.0/17

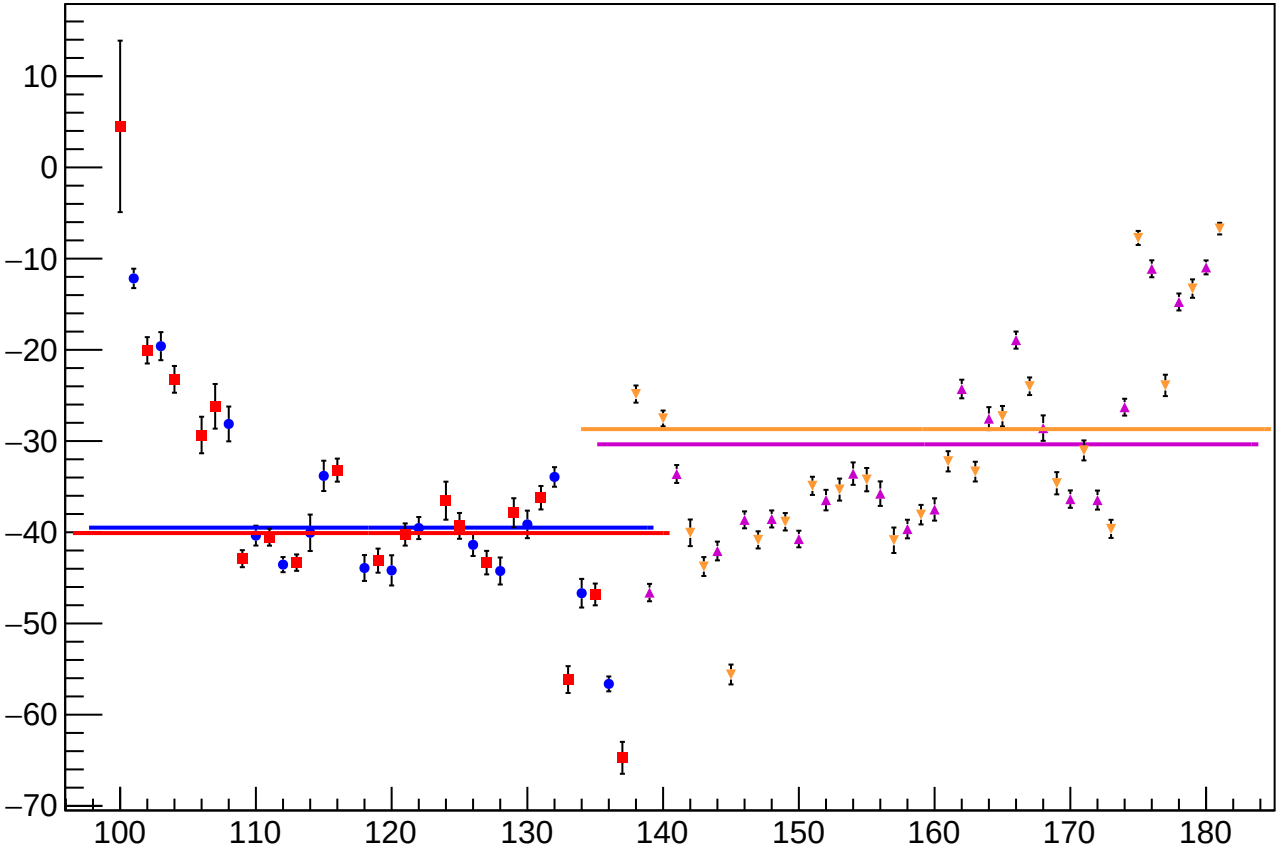
Left In: -20.426+/-0.008 χ^2/NDF:113449.8/20

+ sign -20.432+/-0.007 χ^2/NDF: 157562.2/37

All: -20.237+/-0.005 χ^2/NDF: 516460.2/76

- sign -20.045+/-0.007 χ^2/NDF: 357515.7/38

reg_asym_right_avg_diff_bpm1X_slope vs Slug



Right In: -39.493+/-0.311 χ^2/NDF: 1417.1/15

Left Out: -28.694+/-0.211 χ^2/NDF:3789.2/22

Right Out: -40.090+/-0.307 χ^2/NDF: 834.9/18

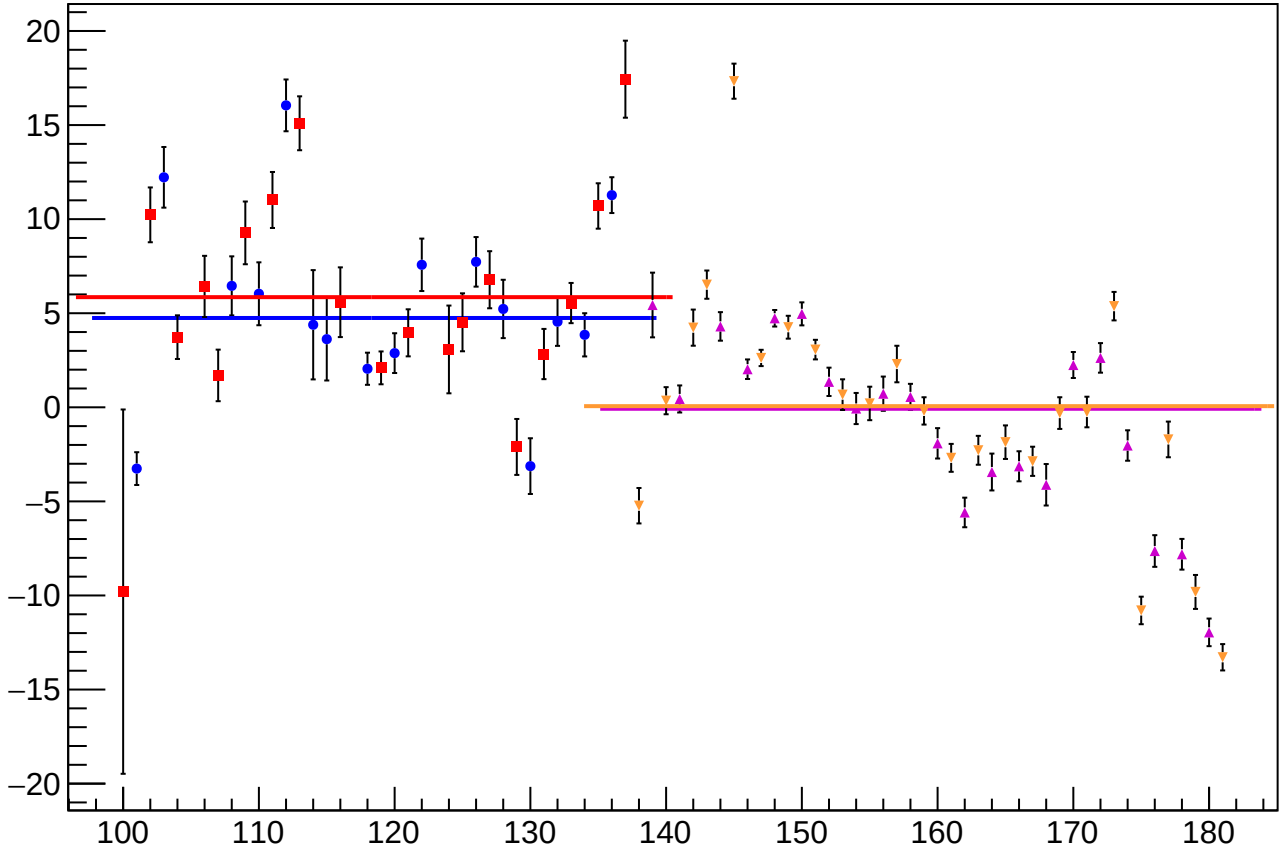
Left In: -30.359+/-0.220 χ^2/NDF:2520.3/20

+ sign -32.098+/-0.174 χ^2/NDF: 6033.7/38

All: -32.859+/-0.125 χ^2/NDF: 10091.6/78

- sign -33.658+/-0.179 χ^2/NDF: 4018.9/39

reg_asym_right_avg_diff_bpm4aY_slope vs Slug



Right In: 4.747+/-0.316 χ^2/NDF: 273.8/15

Left Out: 0.061+/-0.155 χ^2/NDF:1388.3/22

Right Out: 5.854+/-0.324 χ^2/NDF: 187.6/18

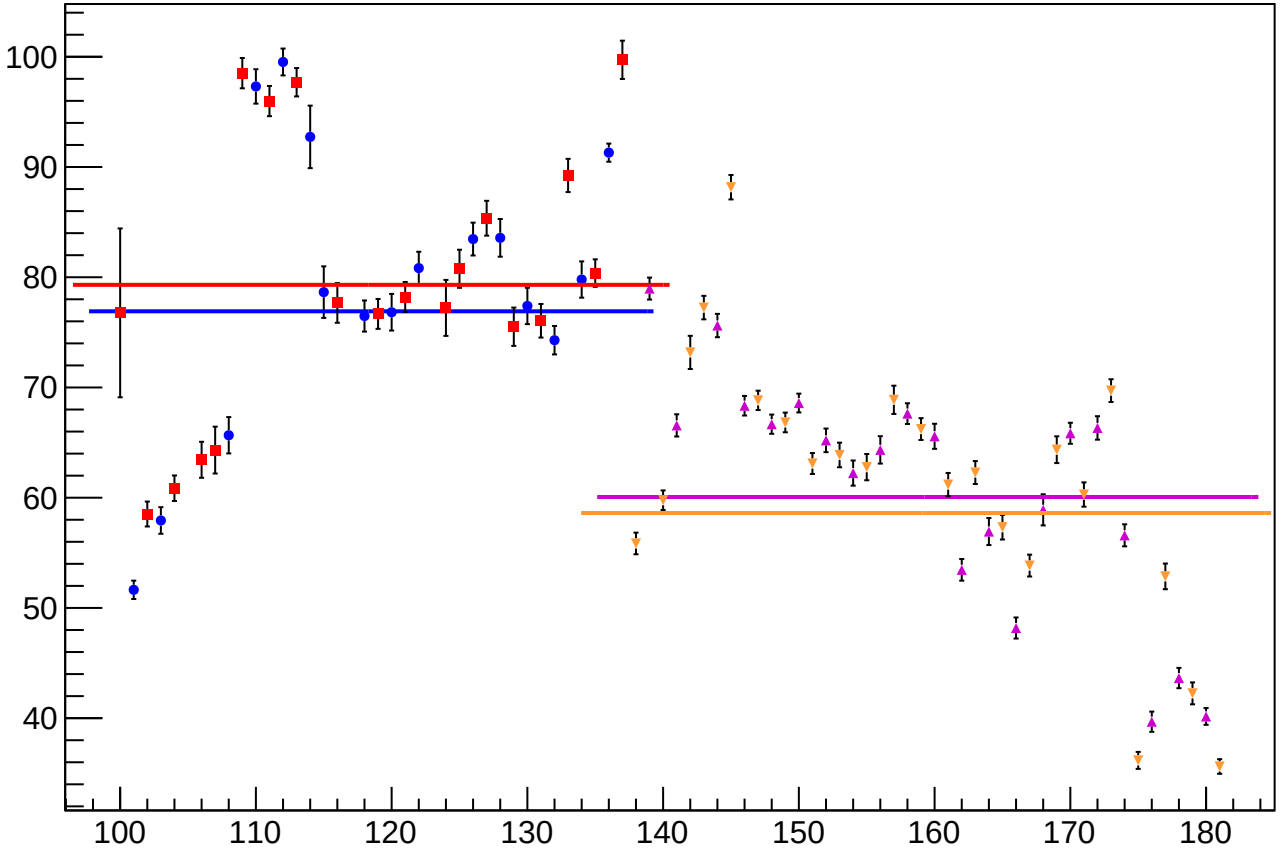
Left In: -0.078+/-0.161 χ^2/NDF:809.4/20

+ sign 0.966+/-0.139 χ^2/NDF: 1839.6/38

All: 1.028+/-0.100 χ^2/NDF: 3106.2/78

- sign 1.096+/-0.144 χ^2/NDF: 1266.2/39

reg_asym_right_avg_diff_bpm4eX_slope vs Slug



Right In: 76.909+/-0.337 χ^2/NDF: 2116.0/15

Left Out: 58.613+/-0.208 χ^2/NDF:4047.4/22

Right Out: 79.311+/-0.348 χ^2/NDF: 1496.4/18

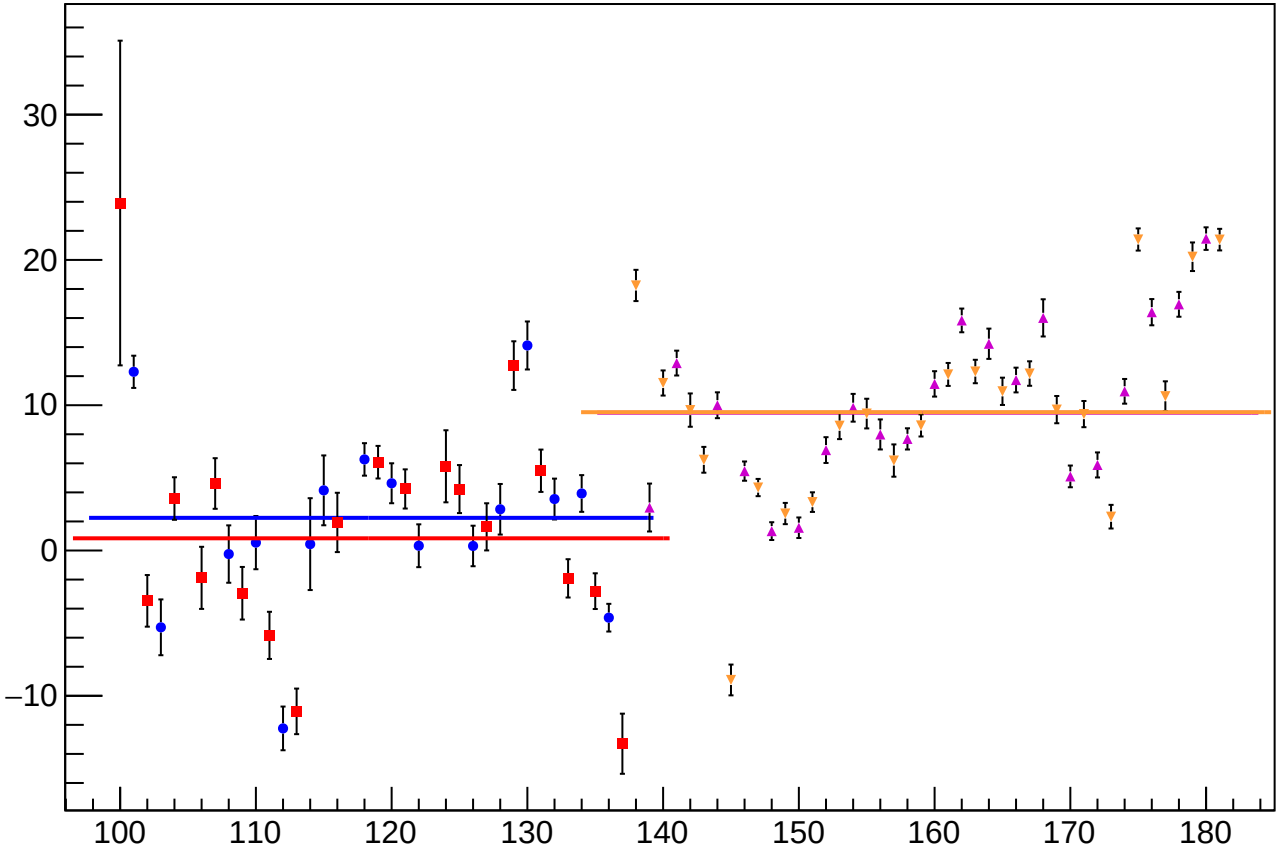
Left In: 60.064+/-0.216 χ^2/NDF:2773.8/20

+ sign 63.677+/-0.177 χ^2/NDF: 8296.9/38

All: 64.520+/-0.128 χ^2/NDF: 14822.7/78

- sign 65.425+/-0.184 χ^2/NDF: 6478.9/39

reg_asym_right_avg_diff_bpm4eY_slope vs Slug



Right In: 2.248+/-0.363 χ^2/NDF: 319.6/15

Left Out: 9.520+/-0.177 χ^2/NDF:1380.9/22

Right Out: 0.840+/-0.372 χ^2/NDF: 256.2/18

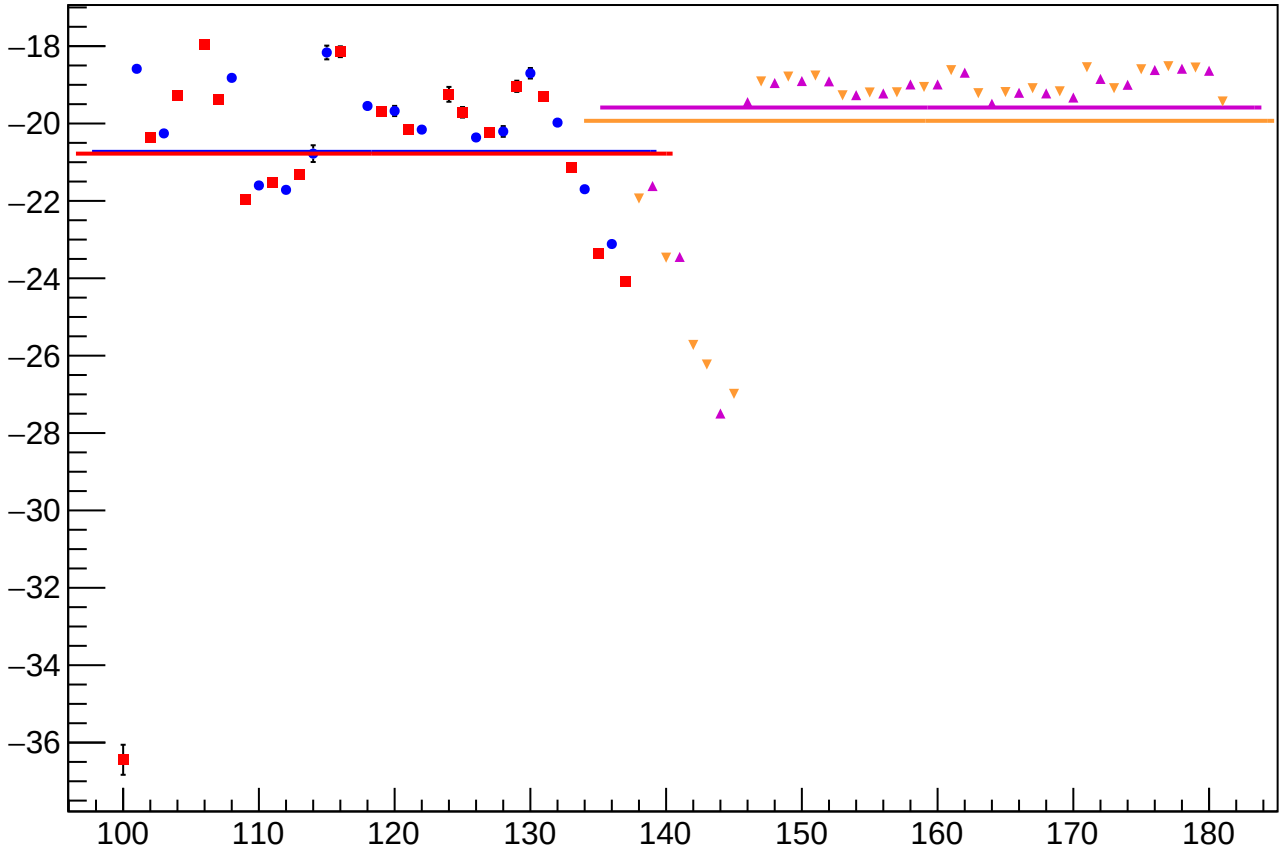
Left In: 9.484+/-0.184 χ^2/NDF:935.3/20

+ sign 8.118+/-0.159 χ^2/NDF: 2024.4/38

All: 7.959+/-0.115 χ^2/NDF: 3651.9/78

- sign 7.789+/-0.165 χ^2/NDF: 1625.5/39

reg_asym_right_avg_diff_bpm12X_slope vs Slug



Right In: -20.732+/-0.019 χ^2/NDF: 7634.1/15

Left Out: -19.930+/-0.008 χ^2/NDF:78089.8/22

Right Out: -20.778+/-0.020 χ^2/NDF: 9426.6/18

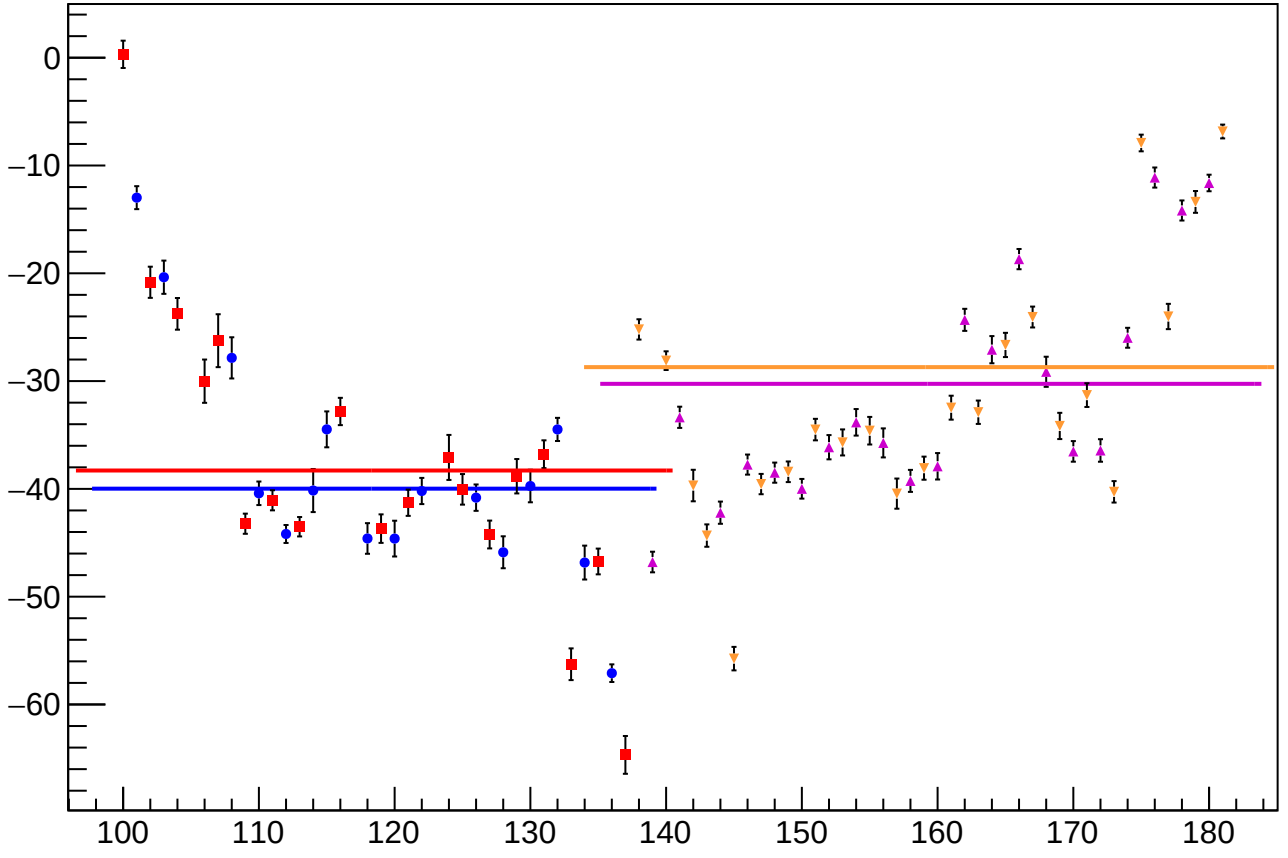
Left In: -19.586+/-0.008 χ^2/NDF:45019.6/20

+ sign -20.051+/-0.008 χ^2/NDF: 87172.1/38

All: -19.908+/-0.005 χ^2/NDF: 145337.7/78

- sign -19.759+/-0.008 χ^2/NDF: 57427.7/39

reg_asym_right_dd_diff_bpm1X_slope vs Slug



Right In: -39.979+/-0.311 χ^2/NDF: 1398.4/15

Left Out: -28.705+/-0.211 χ^2/NDF:3729.3/22

Right Out: -38.295+/-0.299 χ^2/NDF: 1773.8/18

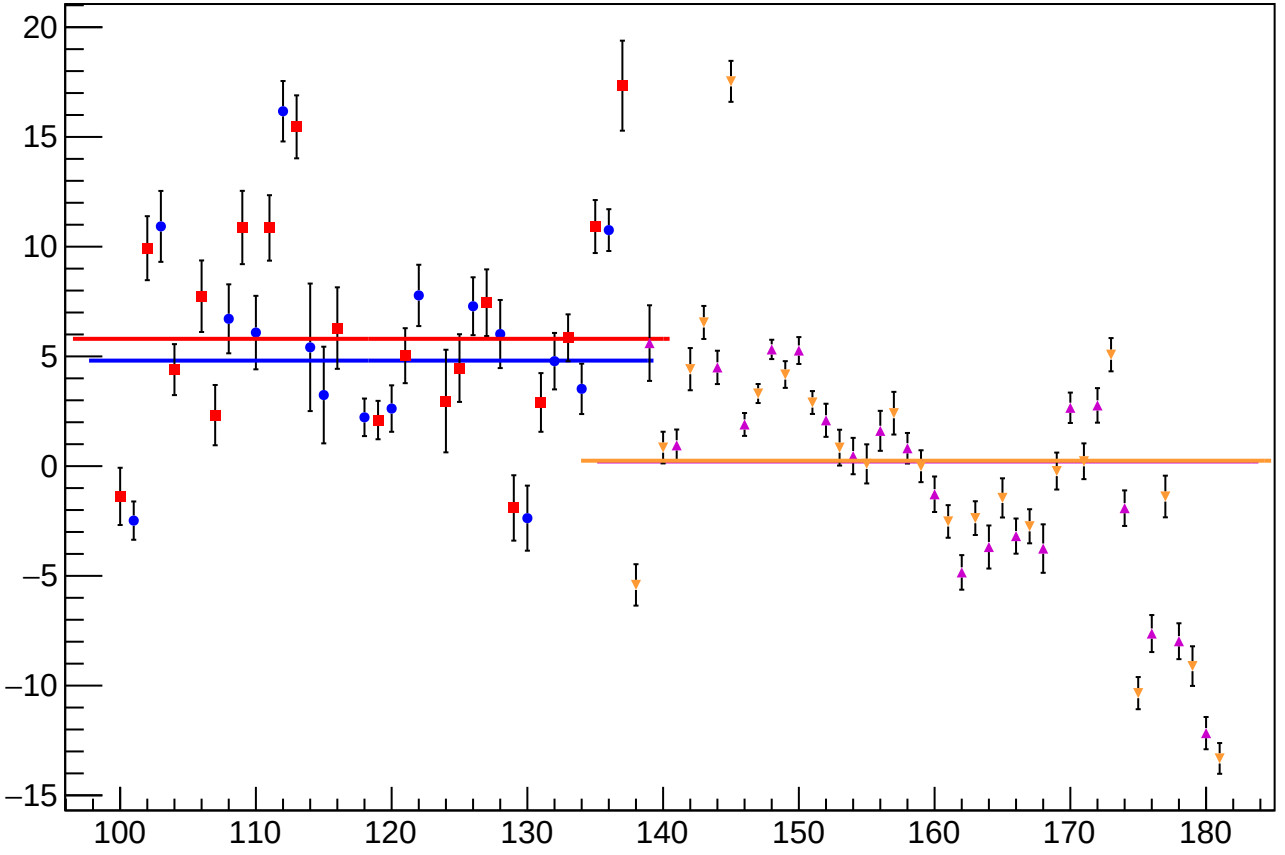
Left In: -30.255+/-0.220 χ^2/NDF:2468.5/20

+ sign -32.259+/-0.175 χ^2/NDF: 6027.0/38

All: -32.665+/-0.124 χ^2/NDF: 10748.7/78

- sign -33.083+/-0.177 χ^2/NDF: 4710.7/39

reg_asym_right_dd_diff_bpm4aY_slope vs Slug



Right In: 4.808+/-0.316 χ^2/NDF: 240.5/15

Left Out: 0.247+/-0.155 χ^2/NDF:1370.4/22

Right Out: 5.801+/-0.315 χ^2/NDF: 216.4/18

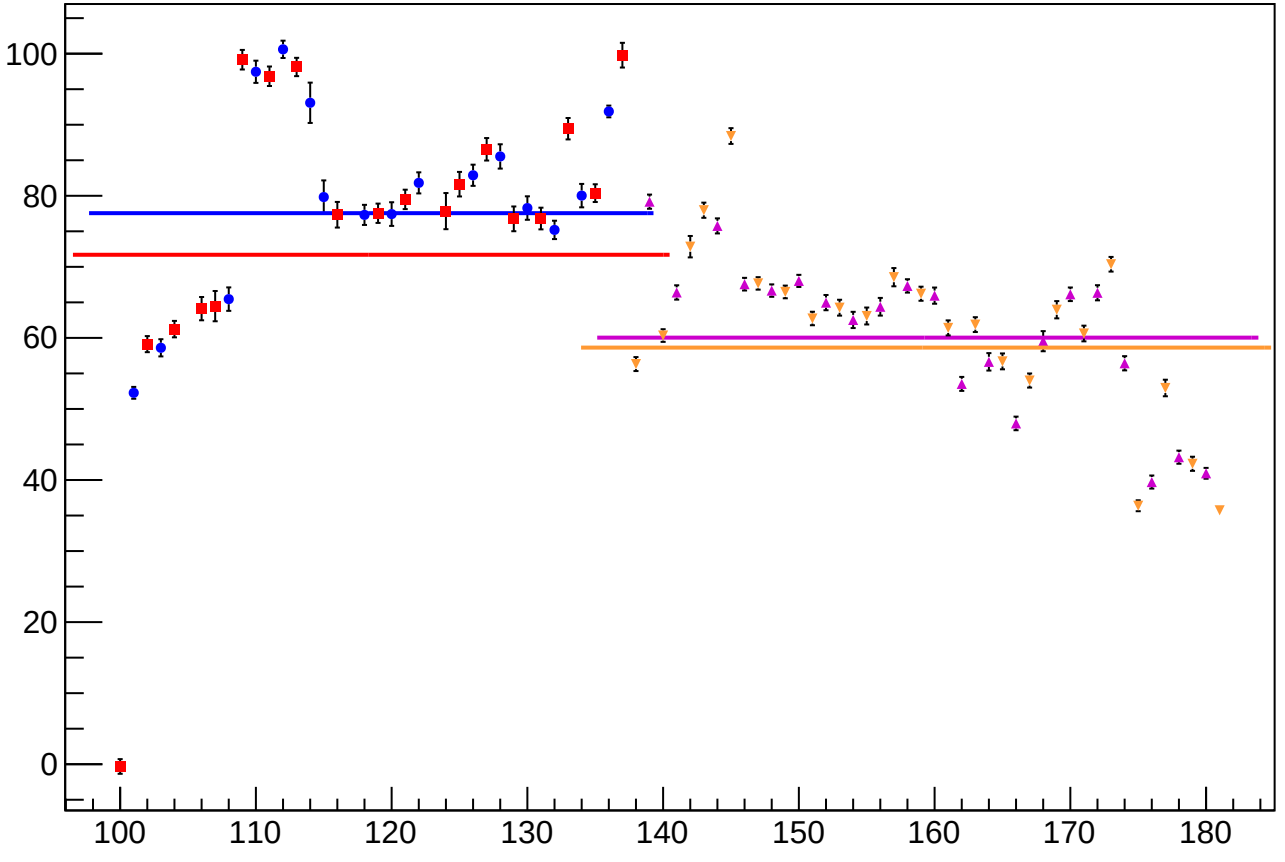
Left In: 0.213+/-0.161 χ^2/NDF:856.9/20

+ sign 1.128+/-0.139 χ^2/NDF: 1778.6/38

All: 1.246+/-0.100 χ^2/NDF: 3102.9/78

- sign 1.372+/-0.143 χ^2/NDF: 1322.9/39

reg_asym_right_dd_diff_bpm4eX_slope vs Slug



Right In: 77.554+/-0.337 χ^2/NDF: 2118.3/15

Left Out: 58.635+/-0.209 χ^2/NDF:4010.7/22

Right Out: 71.699+/-0.330 χ^2/NDF: 6903.5/18

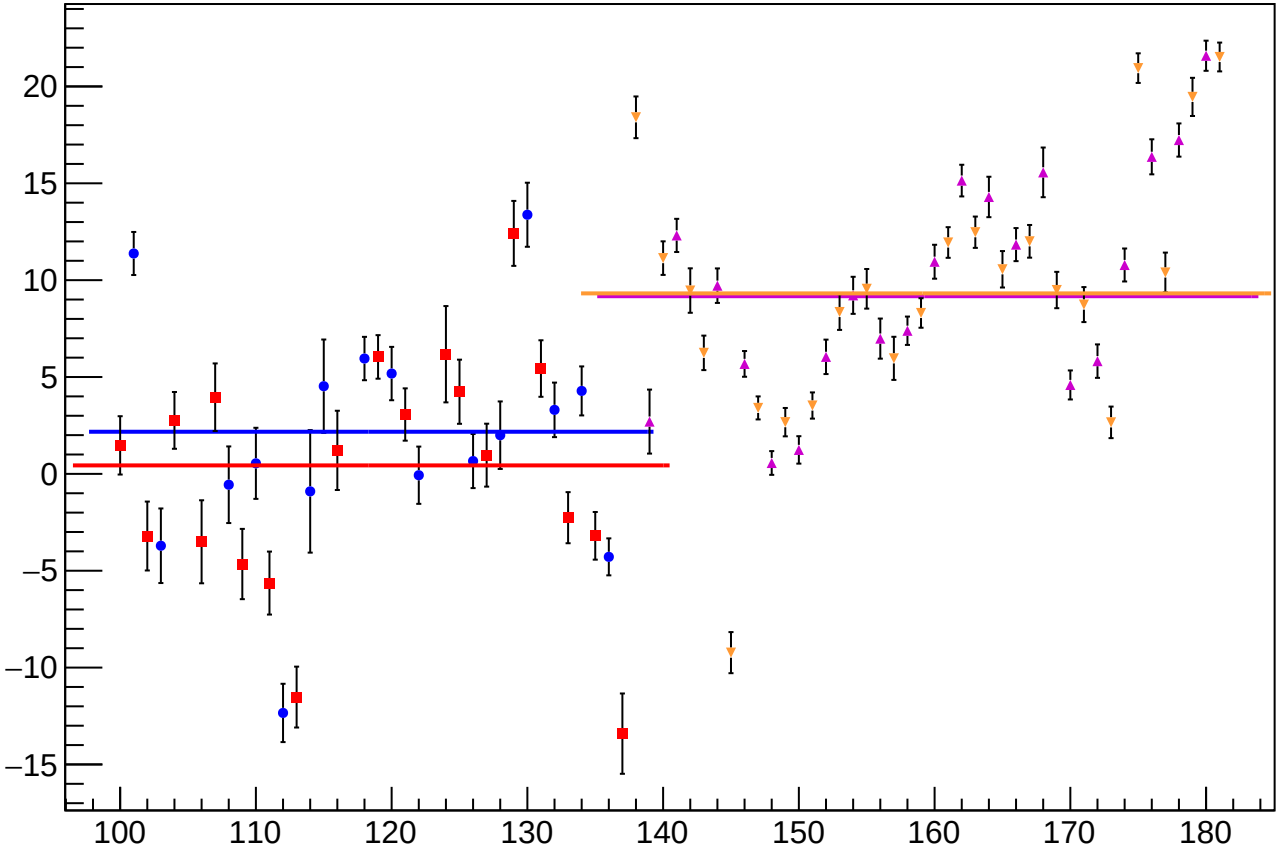
Left In: 60.036+/-0.217 χ^2/NDF:2714.5/20

\+ sign 63.871+/-0.177 χ^2/NDF: 8403.2/38

All: 63.708+/-0.127 χ^2/NDF: 18894.5/78

\- sign 63.539+/-0.181 χ^2/NDF: 10489.6/39

reg_asym_right_dd_diff_bpm4eY_slope vs Slug



Right In: 2.175+/-0.364 χ^2/NDF: 290.3/15

Left Out: 9.317+/-0.178 χ^2/NDF:1373.1/22

Right Out: 0.438+/-0.362 χ^2/NDF: 254.1/18

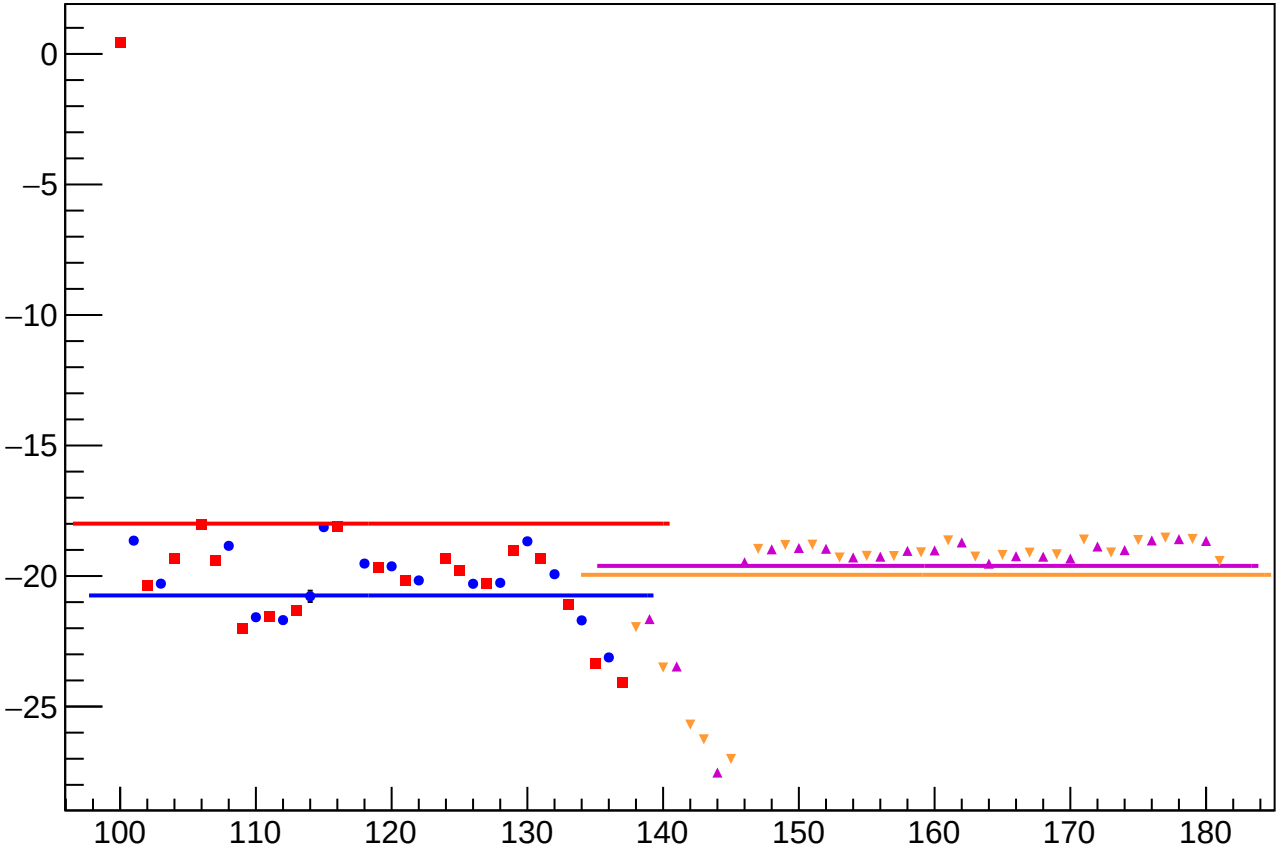
Left In: 9.172+/-0.184 χ^2/NDF:981.0/20

\+ sign 7.941+/-0.160 χ^2/NDF: 1974.9/38

All: 7.666+/-0.114 χ^2/NDF: 3678.8/78

\- sign 7.377+/-0.164 χ^2/NDF: 1697.8/39

reg_asym_right_dd_diff_bpm12X_slope vs Slug



Right In: -20.745+/-0.019 χ^2/NDF: 7513.6/15

Left Out: -19.954+/-0.008 χ^2/NDF:77691.7/22

Right Out: -17.993+/-0.019 χ^2/NDF: 150579.1/18

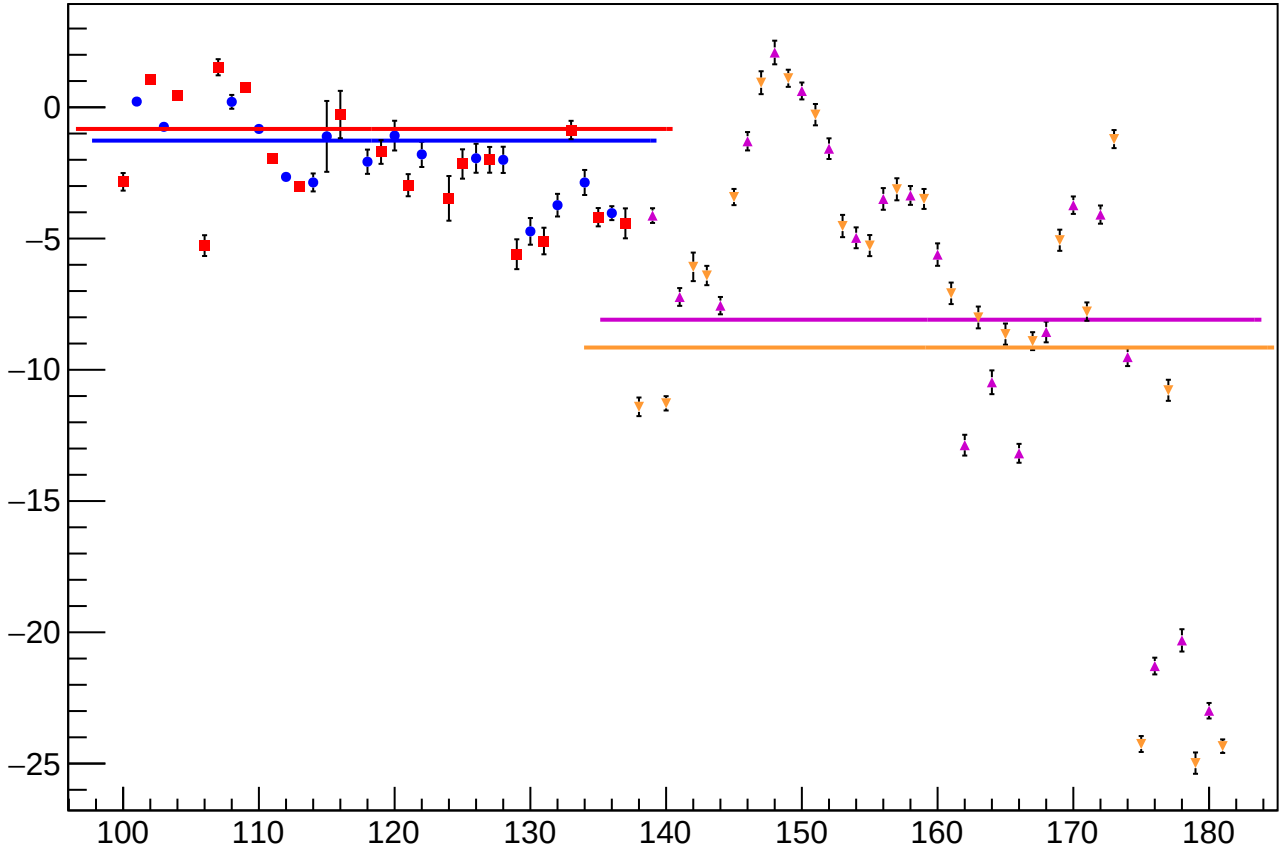
Left In: -19.611+/-0.008 χ^2/NDF:44934.6/20

+ sign -20.073+/-0.008 χ^2/NDF: 86608.7/38

All: -19.713+/-0.005 χ^2/NDF: 292845.4/78

- sign -19.348+/-0.008 χ^2/NDF: 201669.2/39

reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug



Right In: -1.270+/-0.055 χ^2/NDF: 616.5/15

Left Out: -9.152+/-0.076 χ^2/NDF:11337.3/22

Right Out: -0.825+/-0.051 χ^2/NDF: 1384.3/18

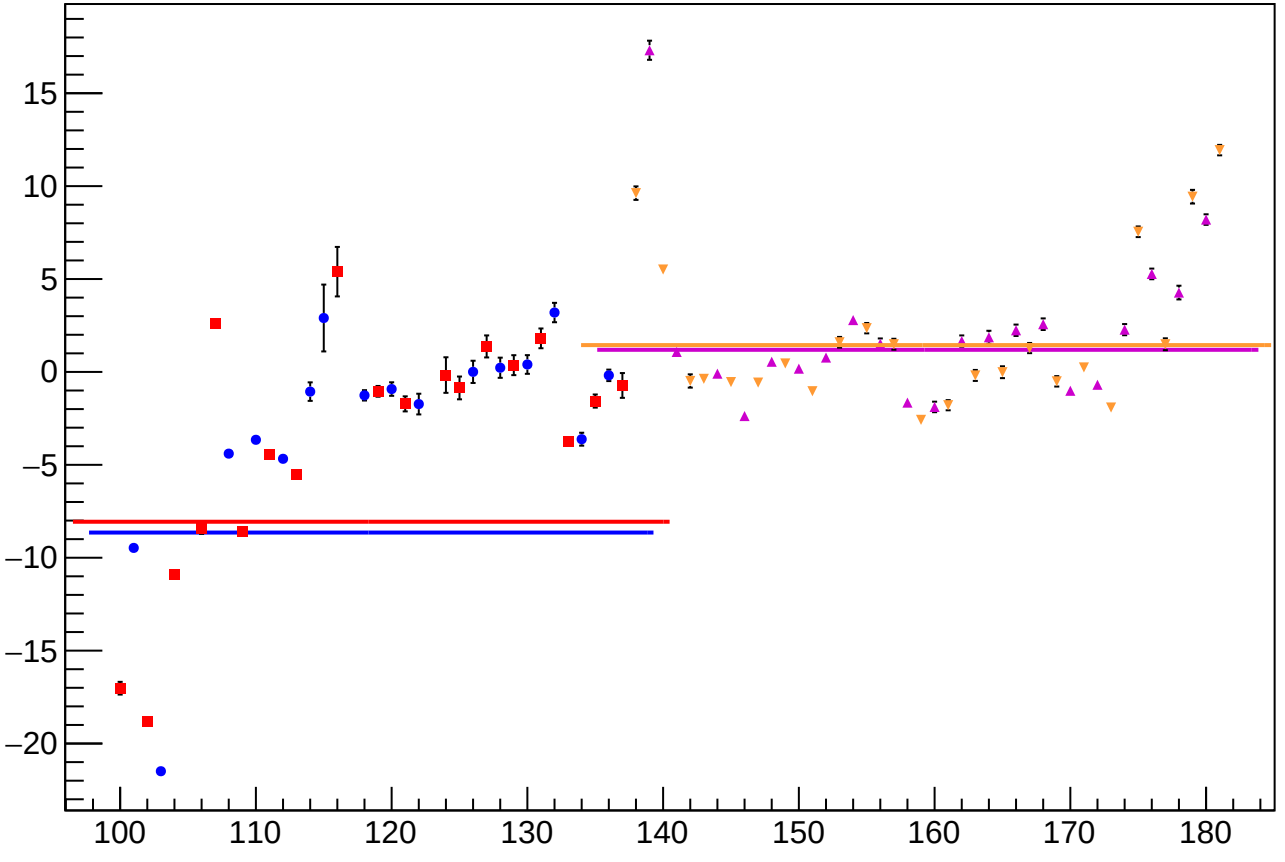
Left In: -8.092+/-0.078 χ^2/NDF:8271.6/20

+ sign -3.969+/-0.044 χ^2/NDF: 19109.7/38

All: -3.465+/-0.031 χ^2/NDF: 35067.2/78

- sign -2.993+/-0.043 χ^2/NDF: 15705.9/39

reg_asym_sam_15_avg_diff_bpm4aY_slope vs Slug



Right In: -8.645+/-0.057 χ^2/NDF: 13827.6/15

Left Out: 1.444+/-0.057 χ^2/NDF:4184.2/22

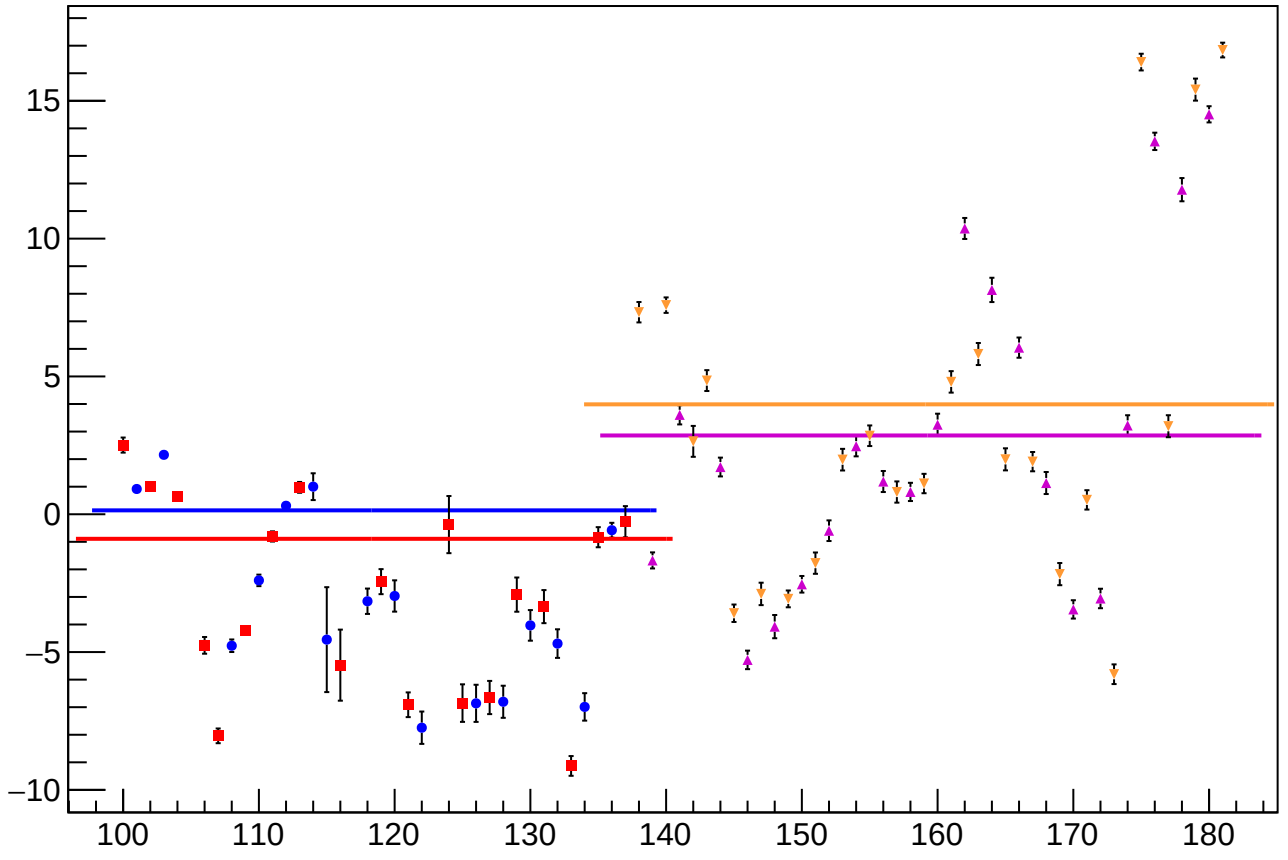
Right Out: -8.063+/-0.058 χ^2/NDF: 14427.9/18

Left In: 1.191+/-0.059 χ^2/NDF:2676.8/20

+ sign -3.565+/-0.040 χ^2/NDF: 33821.3/38

All: -3.567+/-0.029 χ^2/NDF: 63503.8/78

- sign -3.569+/-0.041 χ^2/NDF: 29682.4/39



Right In: 0.141+/-0.053 χ^2/NDF: 1959.8/15

Left Out: 3.988+/-0.075 χ^2/NDF:8020.6/22

Right Out: -0.891+/-0.054 χ^2/NDF: 2985.7/18

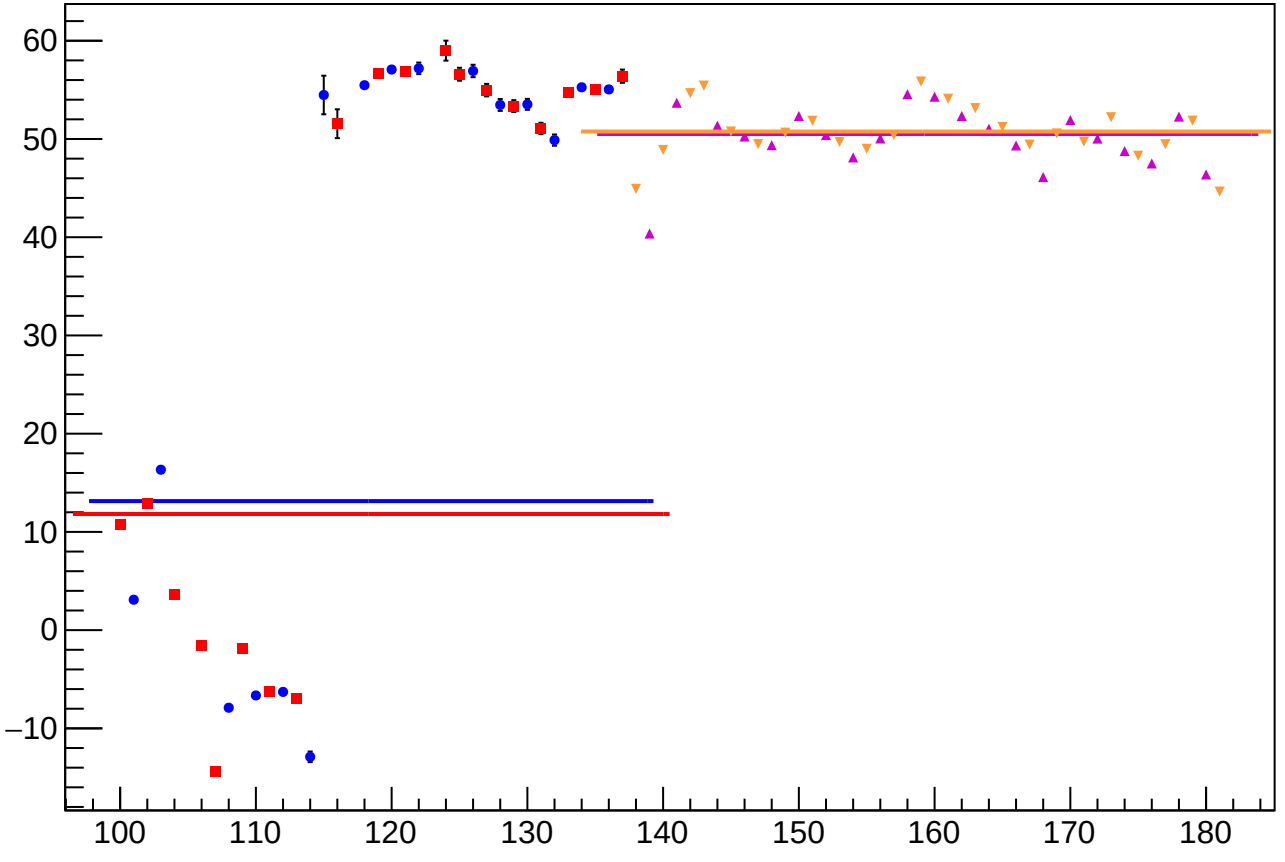
Left In: 2.858+/-0.077 χ^2/NDF:6017.2/20

+ sign 1.426+/-0.043 χ^2/NDF: 11743.0/38

All: 0.889+/-0.031 χ^2/NDF: 22655.3/78

- sign 0.332+/-0.044 χ^2/NDF: 10597.5/39

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug



Right In: 13.136+/-0.068 χ^2/NDF: 108574.4/15

Left Out: 50.760+/-0.064 χ^2/NDF:1740.0/22

Right Out: 11.822+/-0.068 χ^2/NDF: 118168.5/18

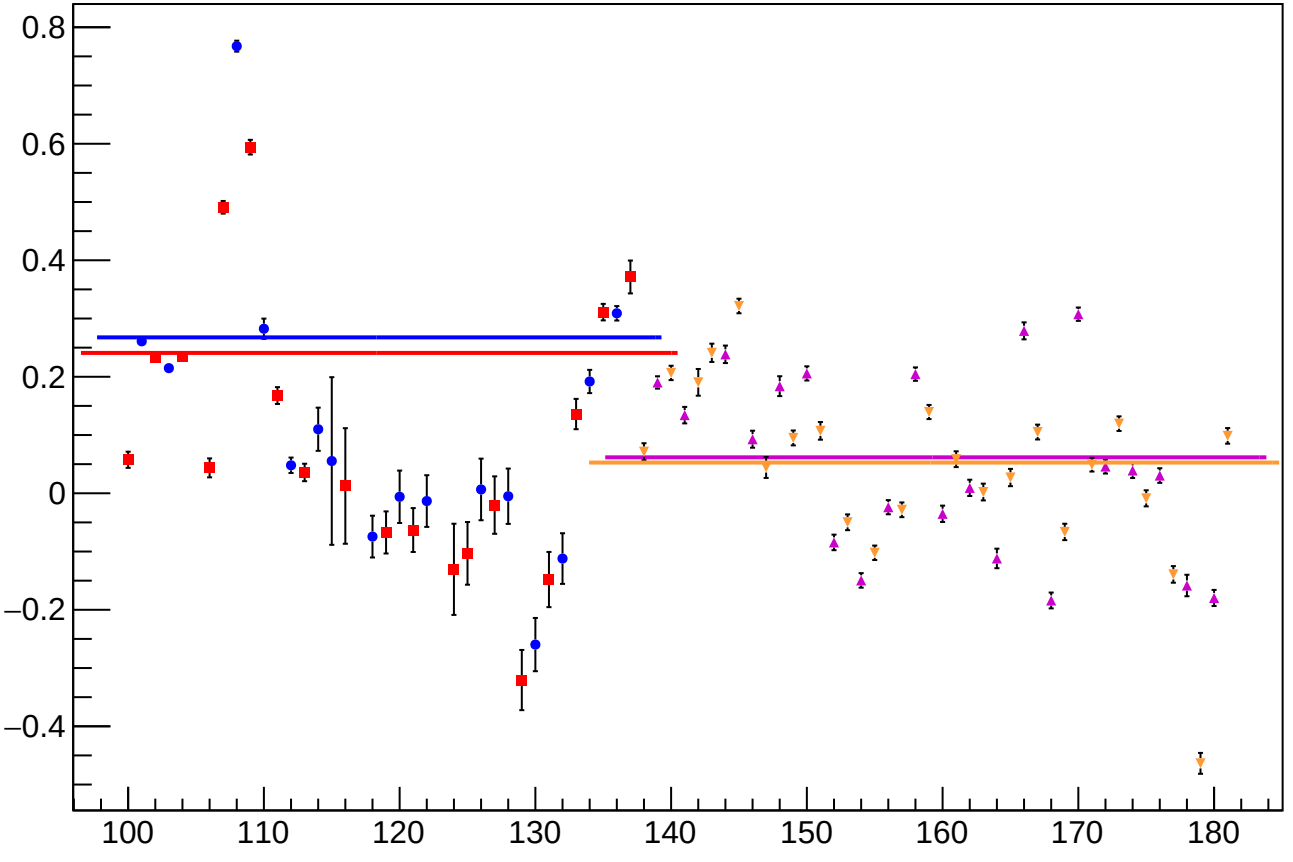
Left In: 50.508+/-0.067 χ^2/NDF:1638.4/20

+ sign 33.007+/-0.047 χ^2/NDF: 272267.6/38

All: 32.270+/-0.033 χ^2/NDF: 557994.6/78

- sign 31.505+/-0.048 χ^2/NDF: 285218.9/39

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug



Right In: 0.268+/-0.003 χ^2/NDF: 3720.4/15

Left Out: 0.053+/-0.003 χ^2/NDF:2303.4/22

Right Out: 0.241+/-0.003 χ^2/NDF: 2339.2/18

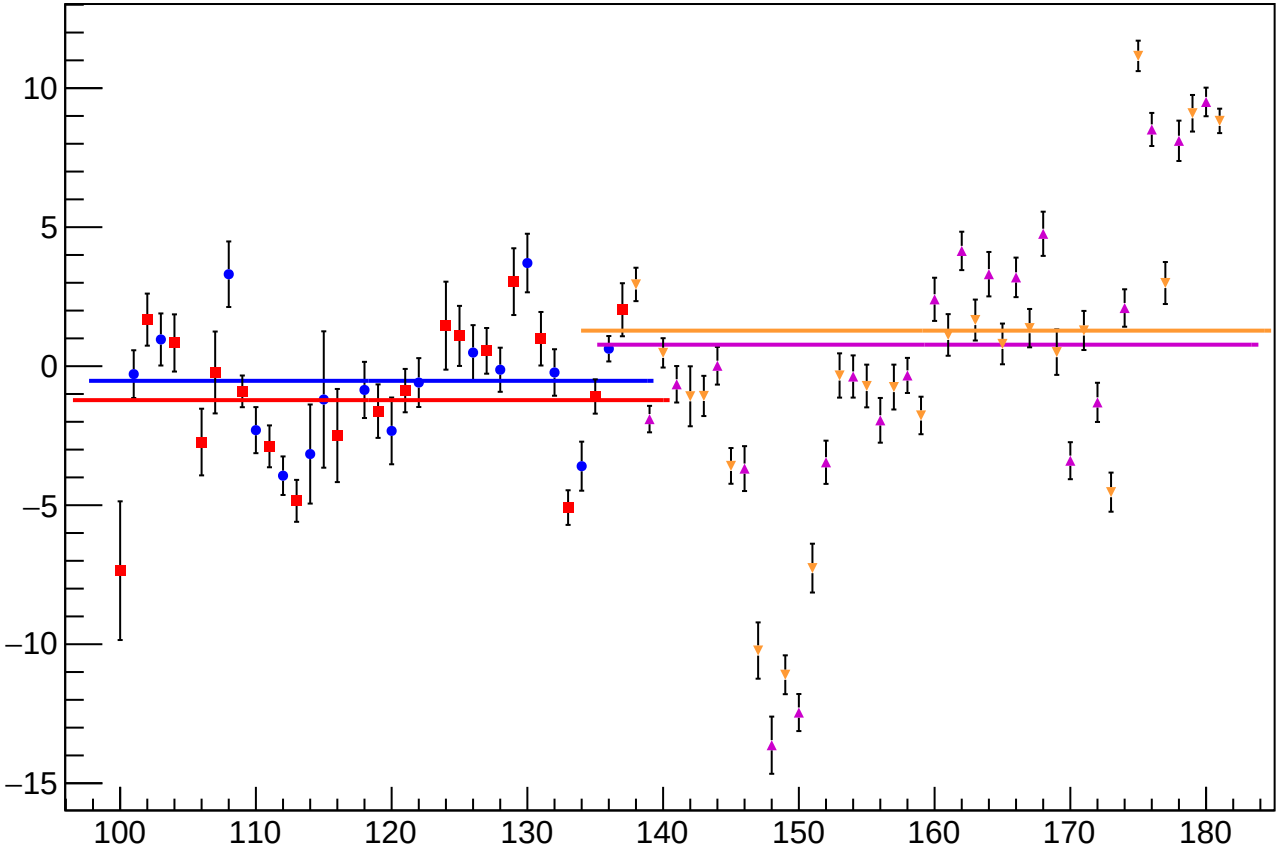
Left In: 0.062+/-0.003 χ^2/NDF:2750.2/20

+ sign 0.163+/-0.002 χ^2/NDF: 8894.1/38

All: 0.160+/-0.001 χ^2/NDF: 15998.1/78

- sign 0.156+/-0.002 χ^2/NDF: 7097.9/39

reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug



Right In: -0.527+/-0.217 χ^2/NDF: 82.7/15

Left Out: 1.279+/-0.143 χ^2/NDF:1494.4/22

Right Out: -1.221+/-0.205 χ^2/NDF: 130.9/18

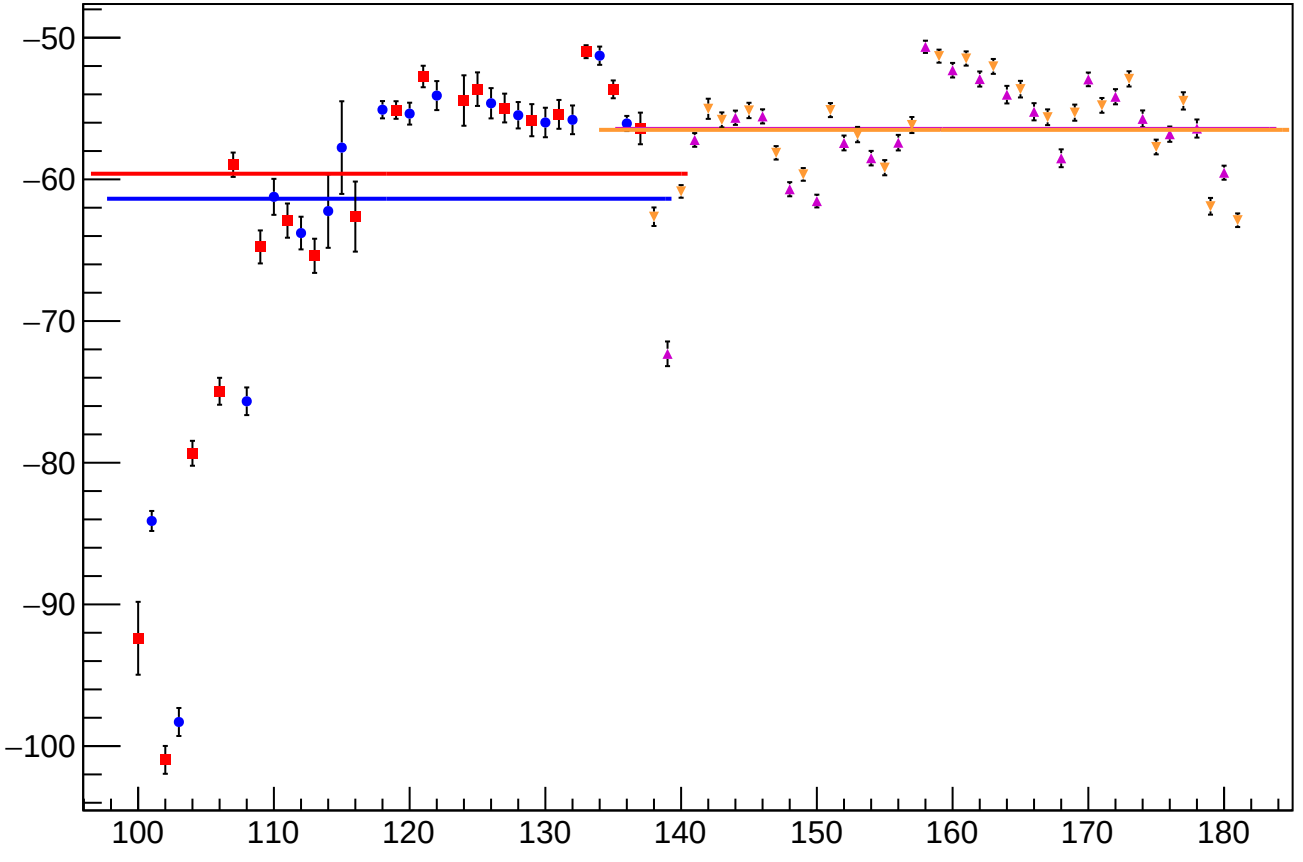
Left In: 0.773+/-0.149 χ^2/NDF:1391.1/20

+ sign 0.730+/-0.120 χ^2/NDF: 1625.3/38

All: 0.408+/-0.085 χ^2/NDF: 3224.0/78

- sign 0.081+/-0.121 χ^2/NDF: 1584.1/39

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug



Right In: -61.367+/-0.219 χ^2/NDF: 3351.2/15

Left Out: -56.505+/-0.110 χ^2/NDF:951.4/22

Right Out: -59.601+/-0.207 χ^2/NDF: 3421.3/18

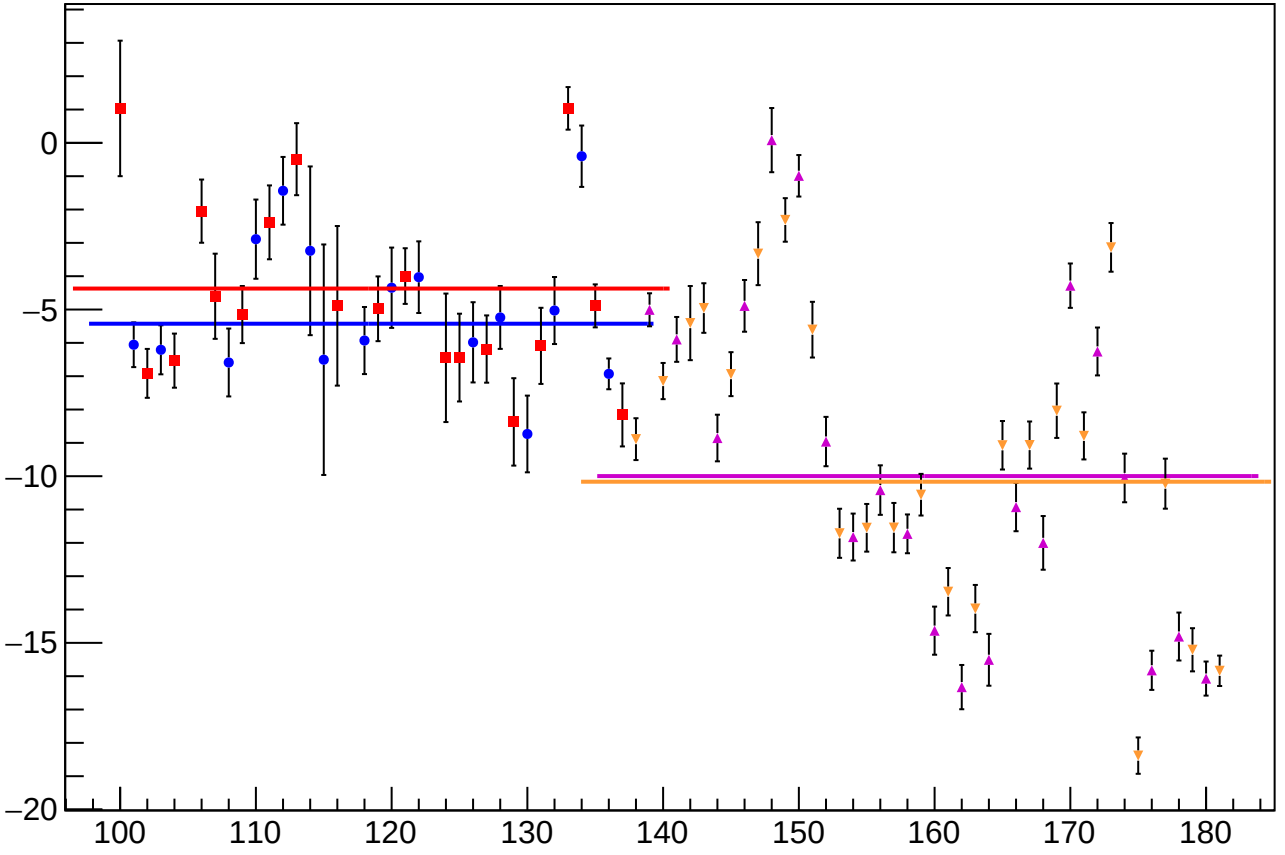
Left In: -56.438+/-0.116 χ^2/NDF:992.1/20

+ sign -57.490+/-0.099 χ^2/NDF: 4695.5/38

All: -57.347+/-0.071 χ^2/NDF: 9291.4/78

- sign -57.197+/-0.101 χ^2/NDF: 4591.6/39

reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug



Right In: -5.425+/-0.230 χ^2/NDF: 76.0/15

Left Out: -10.166+/-0.142 χ^2/NDF:966.0/22

Right Out: -4.371+/-0.223 χ^2/NDF: 156.6/18

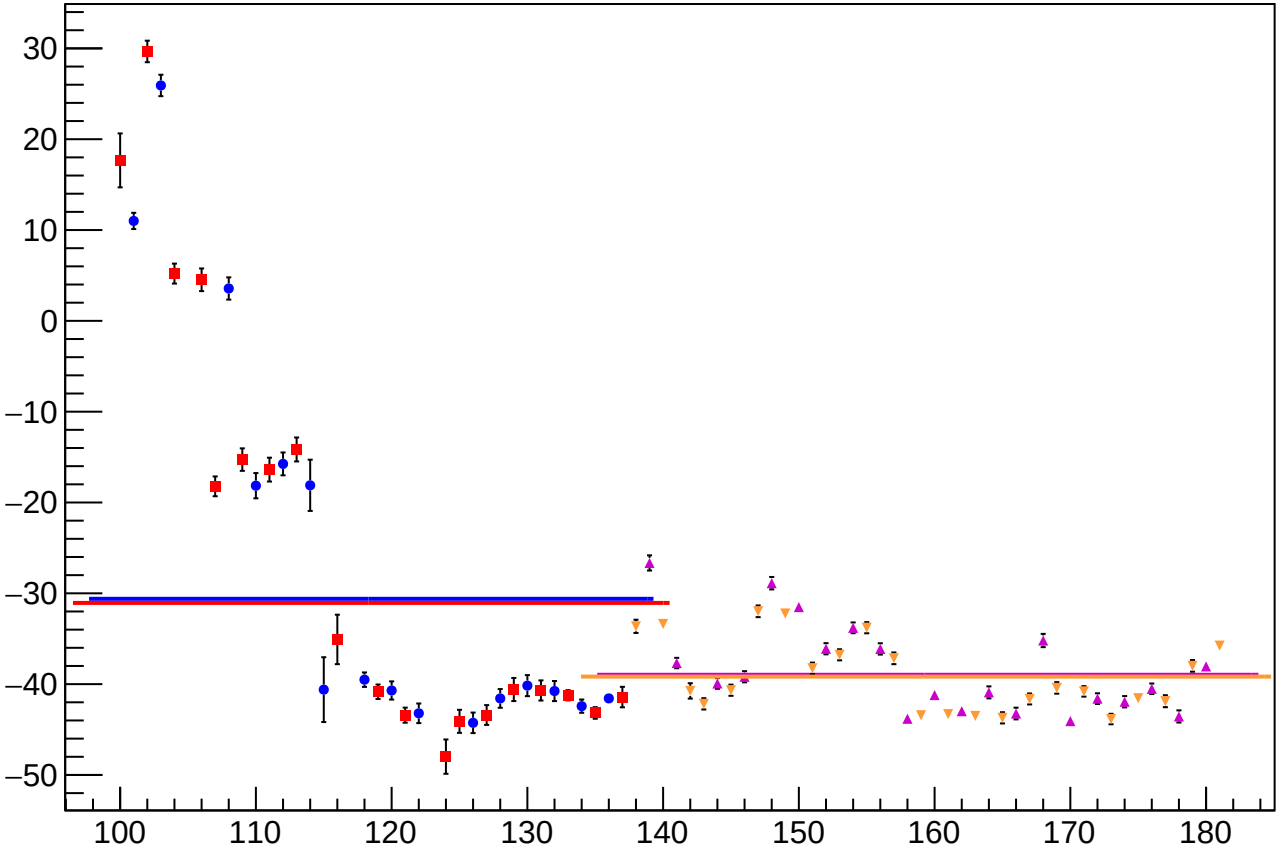
Left In: -9.997+/-0.147 χ^2/NDF:1096.8/20

+ sign -8.855+/-0.121 χ^2/NDF: 1349.5/38

All: -8.575+/-0.086 χ^2/NDF: 3058.8/78

- sign -8.287+/-0.123 χ^2/NDF: 1698.4/39

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug



Right In: -30.605+/-0.249 χ^2/NDF: 6938.0/15

Left Out: -39.172+/-0.124 χ^2/NDF:1033.6/22

Right Out: -31.056+/-0.238 χ^2/NDF: 6976.4/18

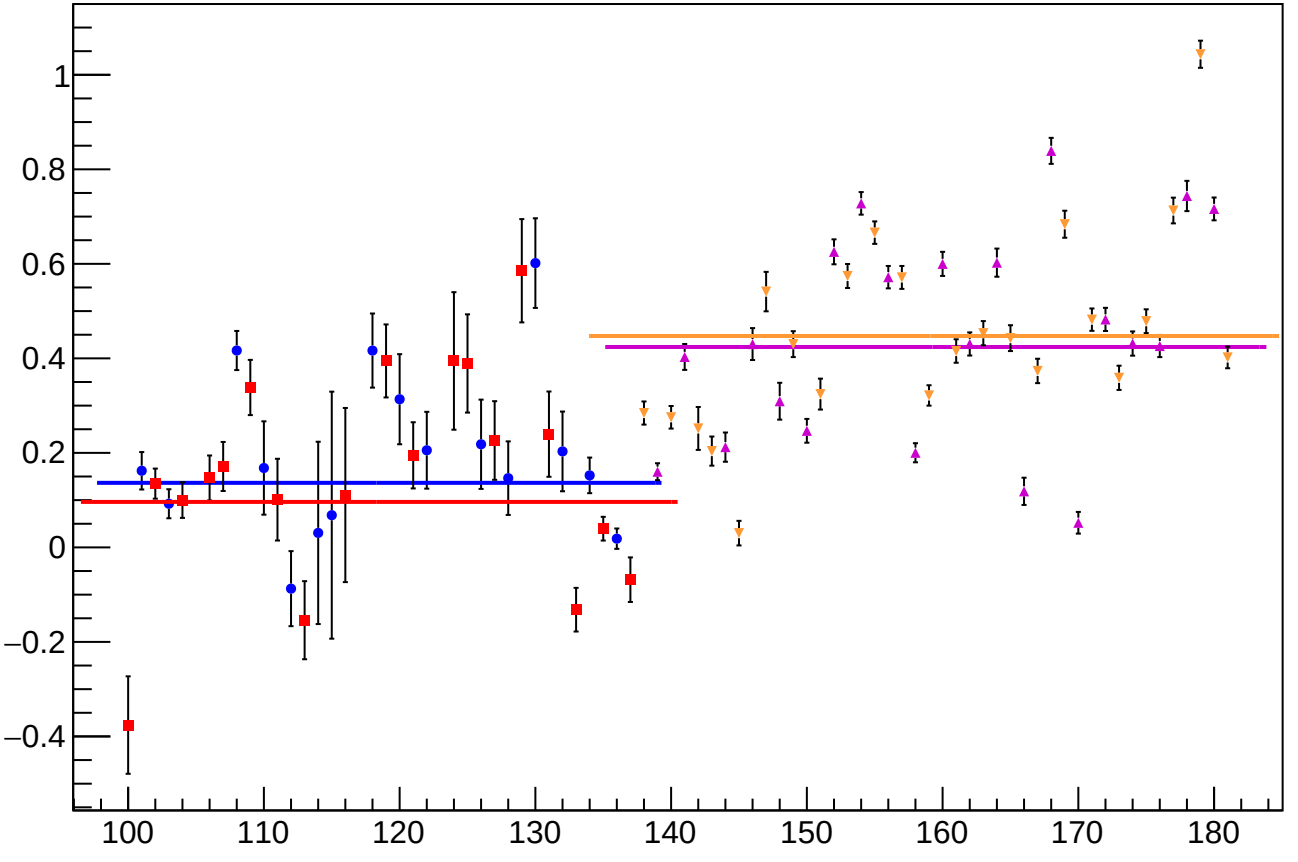
Left In: -38.969+/-0.129 χ^2/NDF:1222.0/20

+ sign -37.472+/-0.111 χ^2/NDF: 8917.4/38

All: -37.321+/-0.079 χ^2/NDF: 17974.3/78

- sign -37.163+/-0.114 χ^2/NDF: 9053.2/39

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug



Right In: 0.137+/-0.013 χ^2/NDF: 129.2/15

Left Out: 0.447+/-0.006 χ^2/NDF:1247.2/22

Right Out: 0.096+/-0.012 χ^2/NDF: 147.7/18

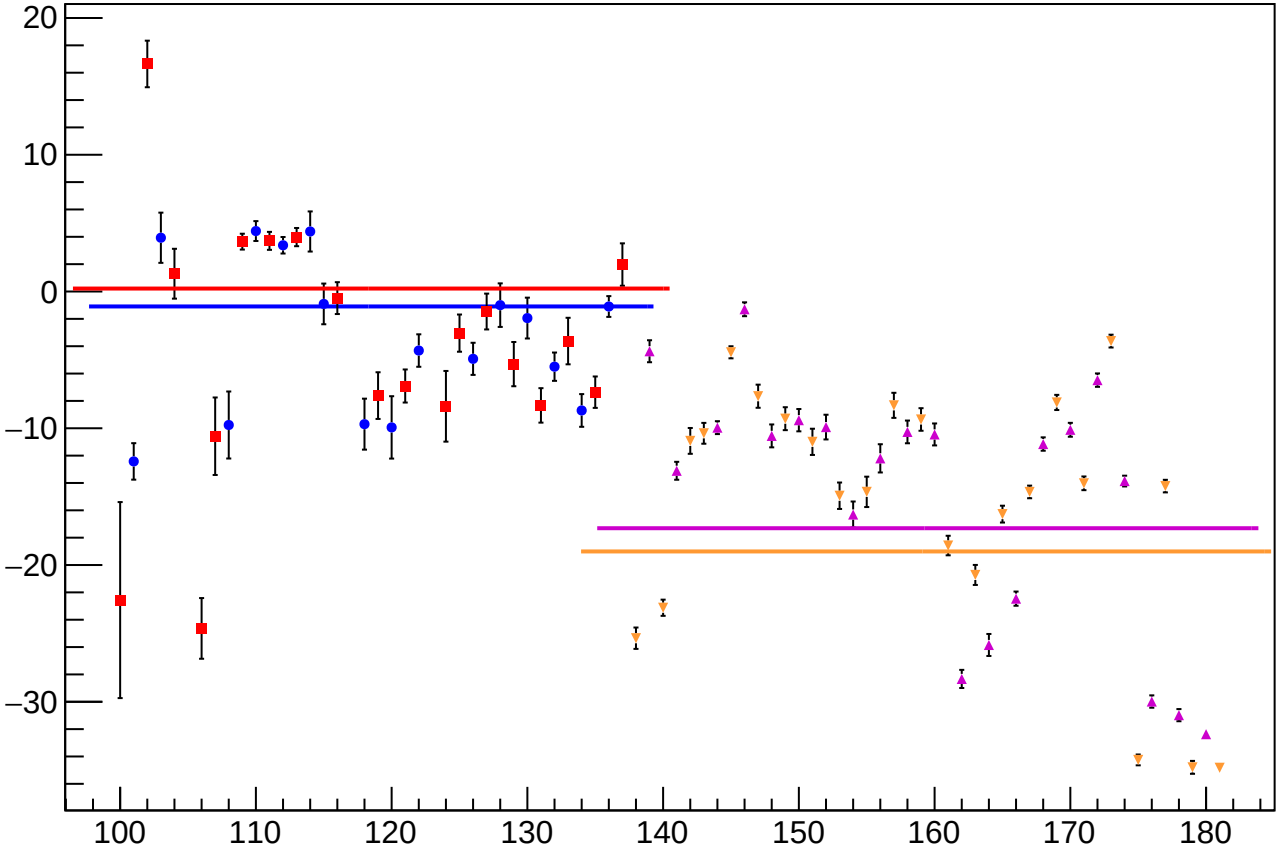
Left In: 0.424+/-0.006 χ^2/NDF:1641.8/20

+ sign 0.397+/-0.005 χ^2/NDF: 1893.7/38

All: 0.383+/-0.004 χ^2/NDF: 4285.3/78

- sign 0.369+/-0.005 χ^2/NDF: 2376.3/39

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug



Right In: -1.092+/-0.281 χ^2/NDF: 332.0/15

Left Out: -19.007+/-0.120 χ^2/NDF:8920.8/22

Right Out: 0.216+/-0.266 χ^2/NDF: 520.8/18

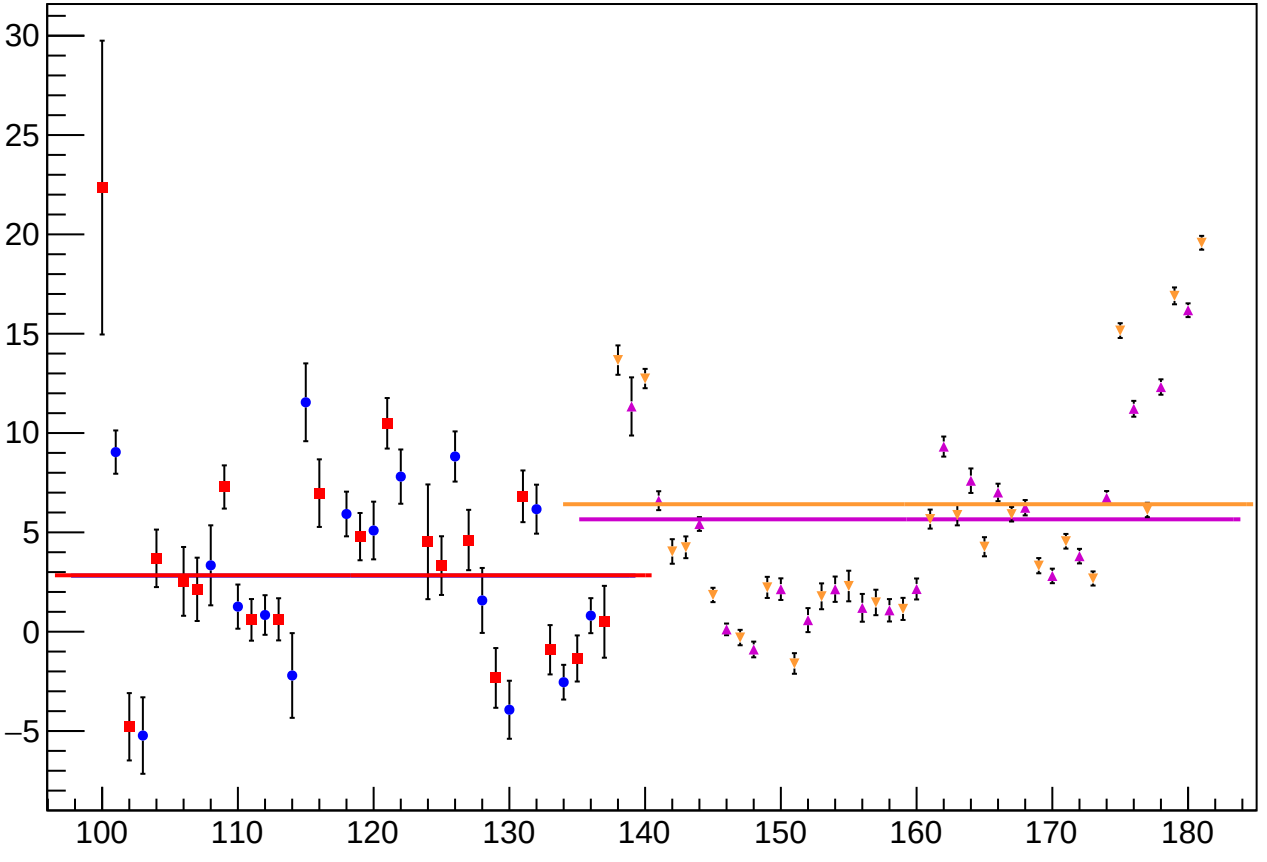
Left In: -17.309+/-0.124 χ^2/NDF:6816.9/20

+ sign -16.229+/-0.110 χ^2/NDF: 12697.6/38

All: -15.227+/-0.079 χ^2/NDF: 23766.6/78

- sign -14.194+/-0.112 χ^2/NDF: 10901.9/39

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug



Right In: 2.823+/-0.313 χ^2/NDF: 199.6/15

Left Out: 6.417+/-0.094 χ^2/NDF:4098.2/22

Right Out: 2.840+/-0.322 χ^2/NDF: 145.0/18

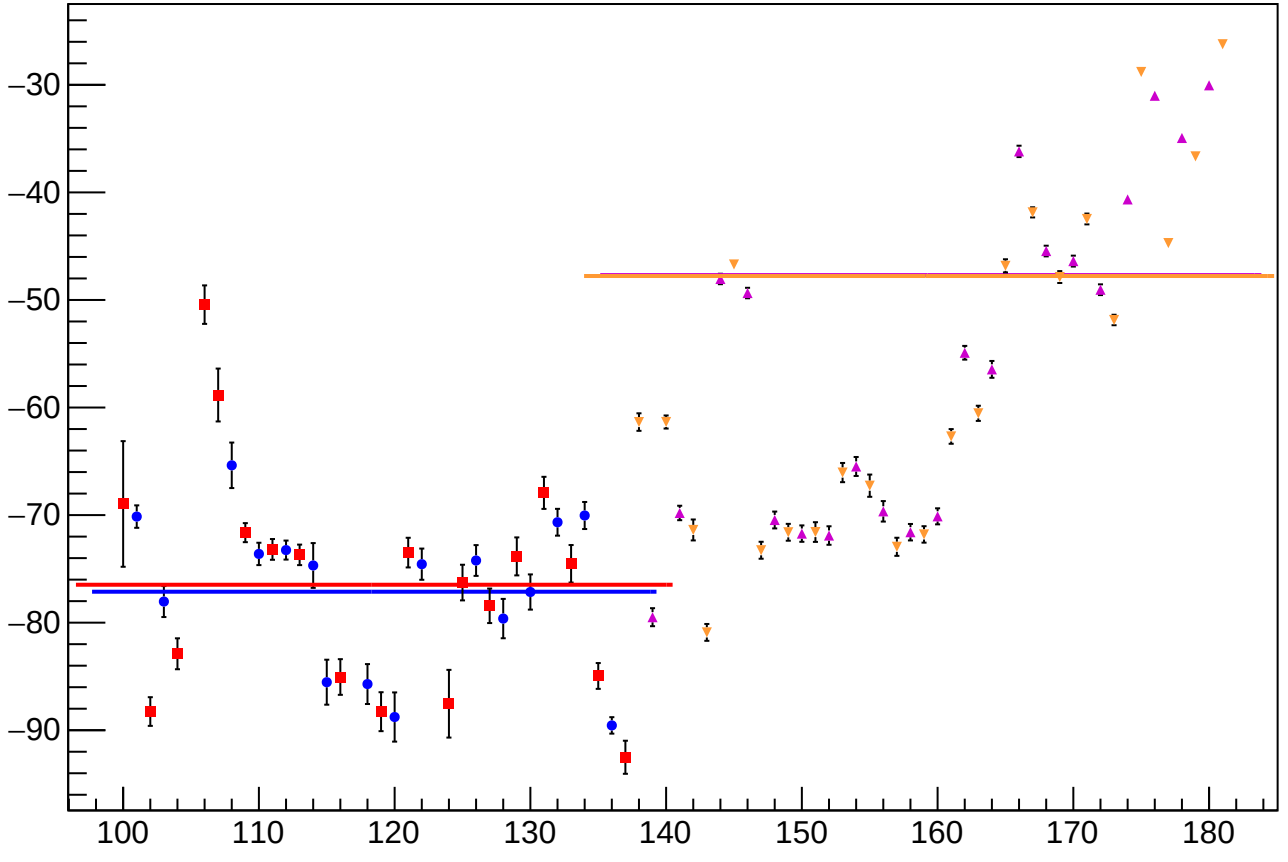
Left In: 5.656+/-0.095 χ^2/NDF:2525.7/20

+ sign 6.122+/-0.090 χ^2/NDF: 4418.4/38

All: 5.781+/-0.064 χ^2/NDF: 7188.5/78

- sign 5.432+/-0.091 χ^2/NDF: 2741.0/39

reg_asym_sam_37_avg_diff_bpm4eX_slope vs Slug



Right In: -77.123+/-0.326 χ^2/NDF: 503.3/15

Left Out: -47.773+/-0.120 χ^2/NDF:16721.8/22

Right Out: -76.475+/-0.328 χ^2/NDF: 695.8/18

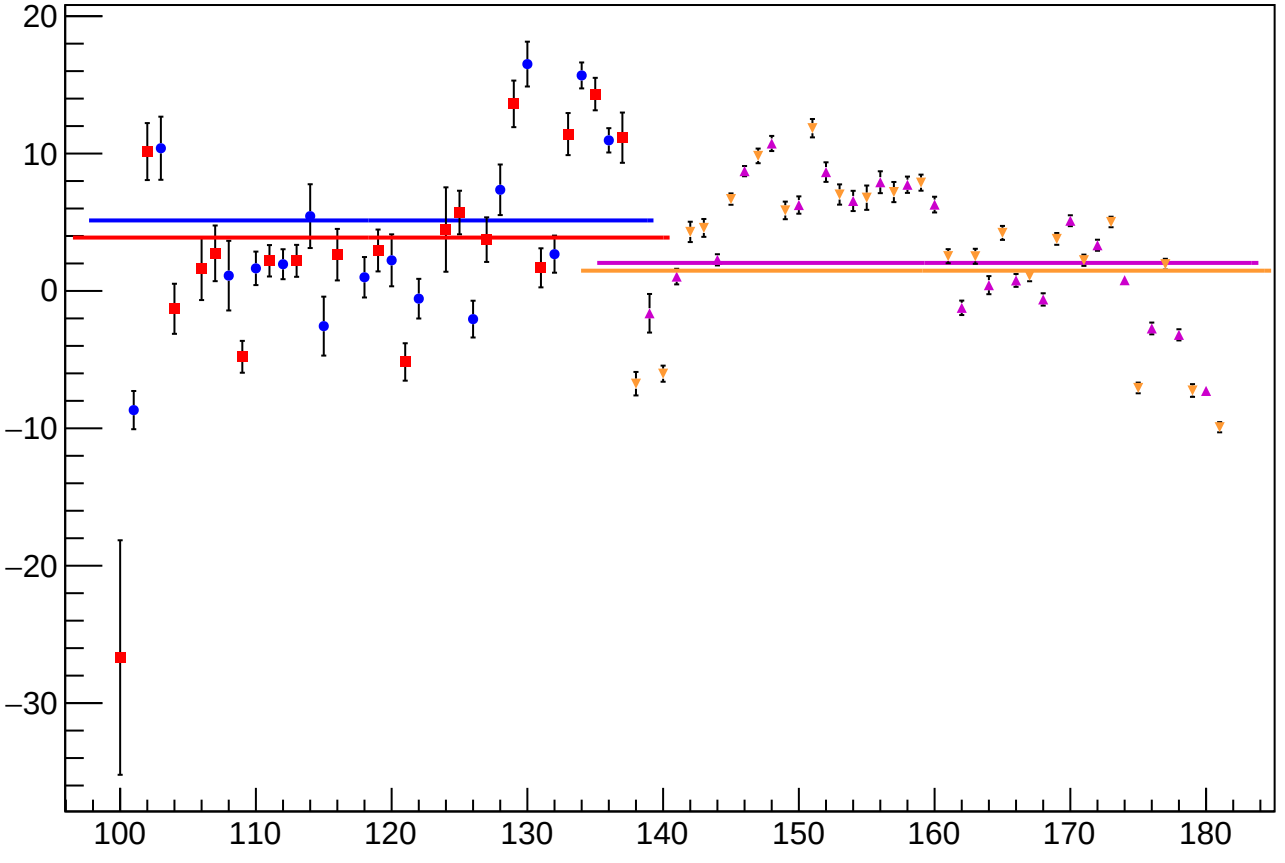
Left In: -47.686+/-0.123 χ^2/NDF:13657.1/20

+ sign -51.288+/-0.113 χ^2/NDF: 24347.3/38

All: -51.267+/-0.081 χ^2/NDF: 45431.6/78

- sign -51.246+/-0.116 χ^2/NDF: 21084.1/39

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug



Right In: 5.132+/-0.350 χ^2/NDF: 412.3/15

Left Out: 1.475+/-0.105 χ^2/NDF:3194.9/22

Right Out: 3.885+/-0.361 χ^2/NDF: 291.5/18

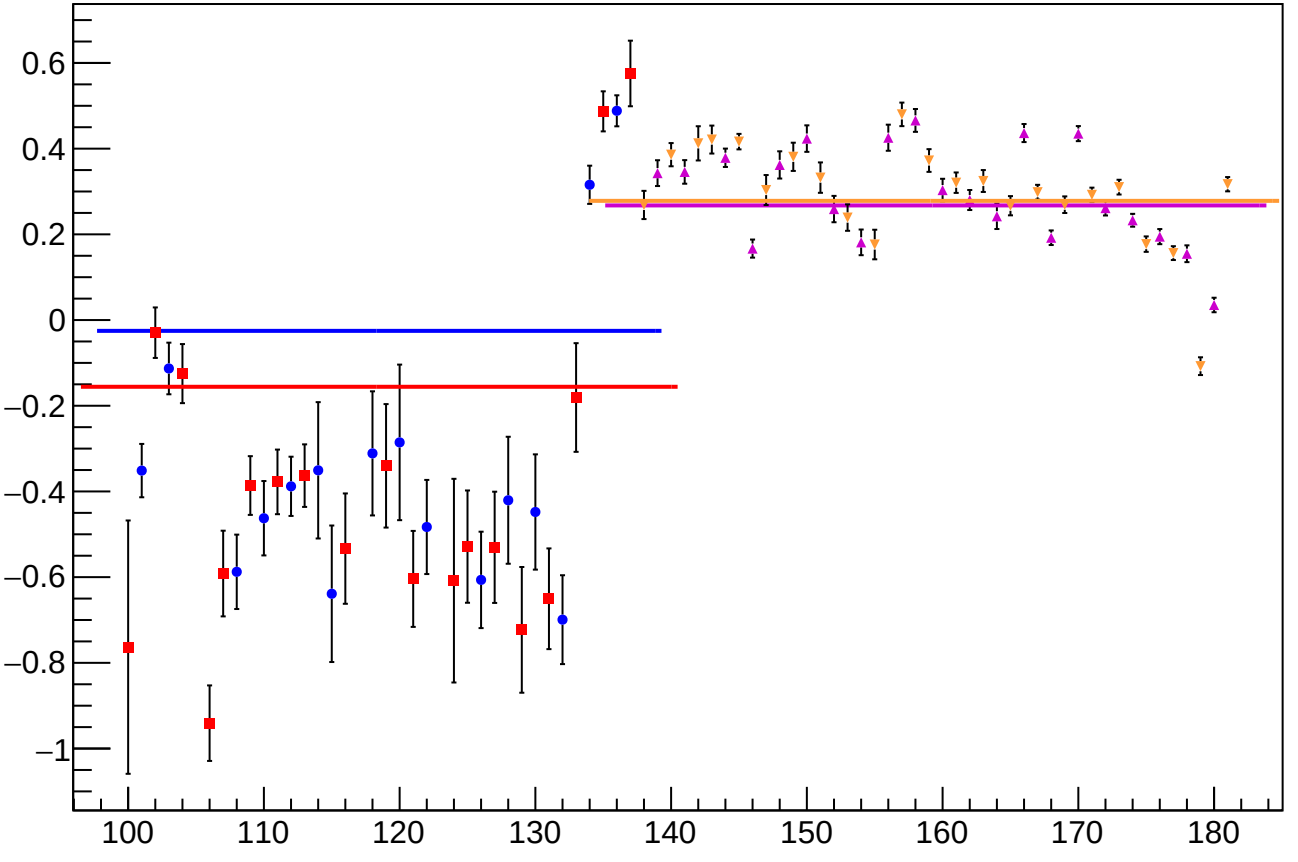
Left In: 2.041+/-0.106 χ^2/NDF:2055.5/20

+ sign 1.777+/-0.100 χ^2/NDF: 3707.5/38

All: 1.979+/-0.072 χ^2/NDF: 6086.7/78

- sign 2.188+/-0.102 χ^2/NDF: 2370.9/39

reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug



Right In: -0.025+/-0.019 χ^2/NDF: 512.5/15

Left Out: 0.278+/-0.005 χ^2/NDF:646.9/22

Right Out: -0.156+/-0.020 χ^2/NDF: 494.9/18

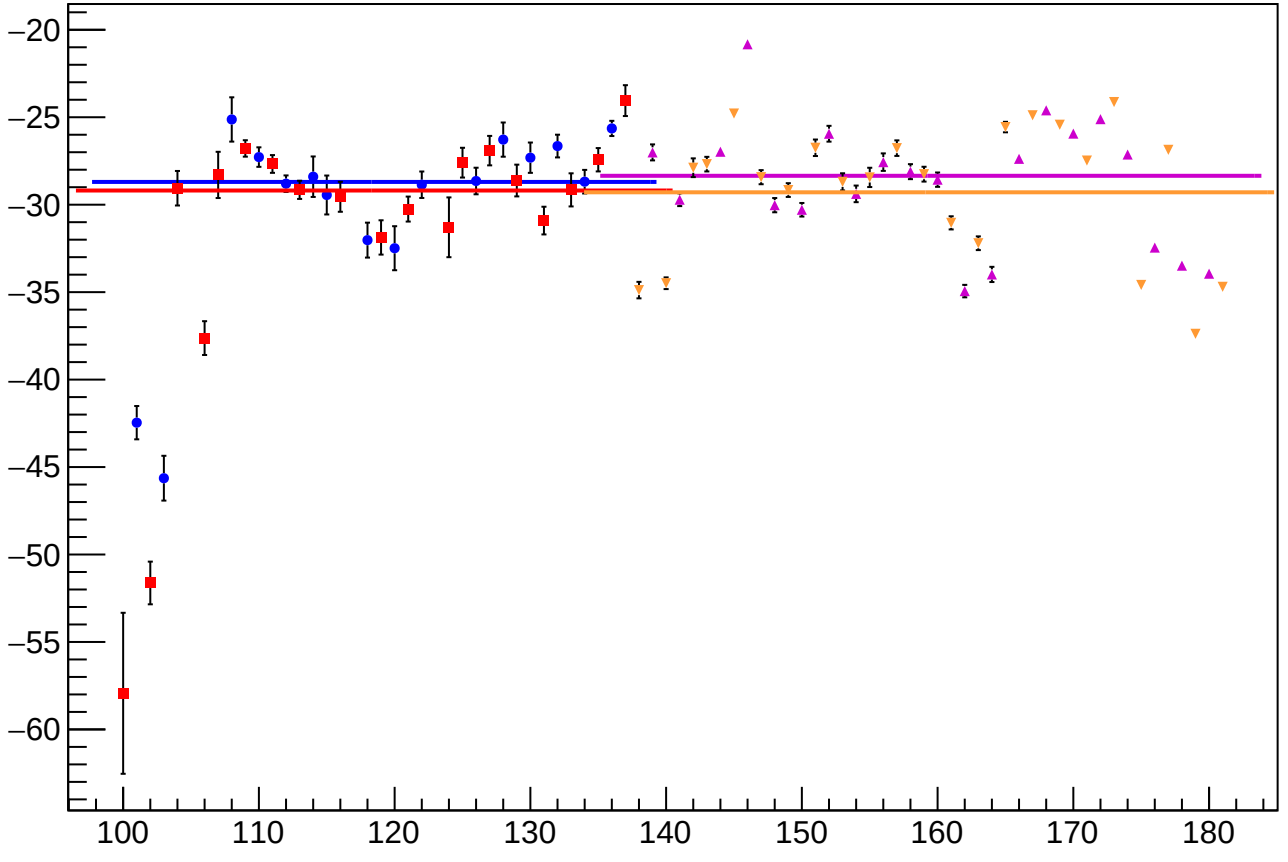
Left In: 0.267+/-0.005 χ^2/NDF:610.2/20

+ sign 0.261+/-0.005 χ^2/NDF: 1401.0/38

All: 0.253+/-0.003 χ^2/NDF: 2927.0/78

- sign 0.245+/-0.005 χ^2/NDF: 1520.5/39

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug



Right In: -28.698+/-0.186 χ^2/NDF: 487.3/15

Left Out: -29.291+/-0.059 χ^2/NDF:5445.5/22

Right Out: -29.189+/-0.181 χ^2/NDF: 557.3/18

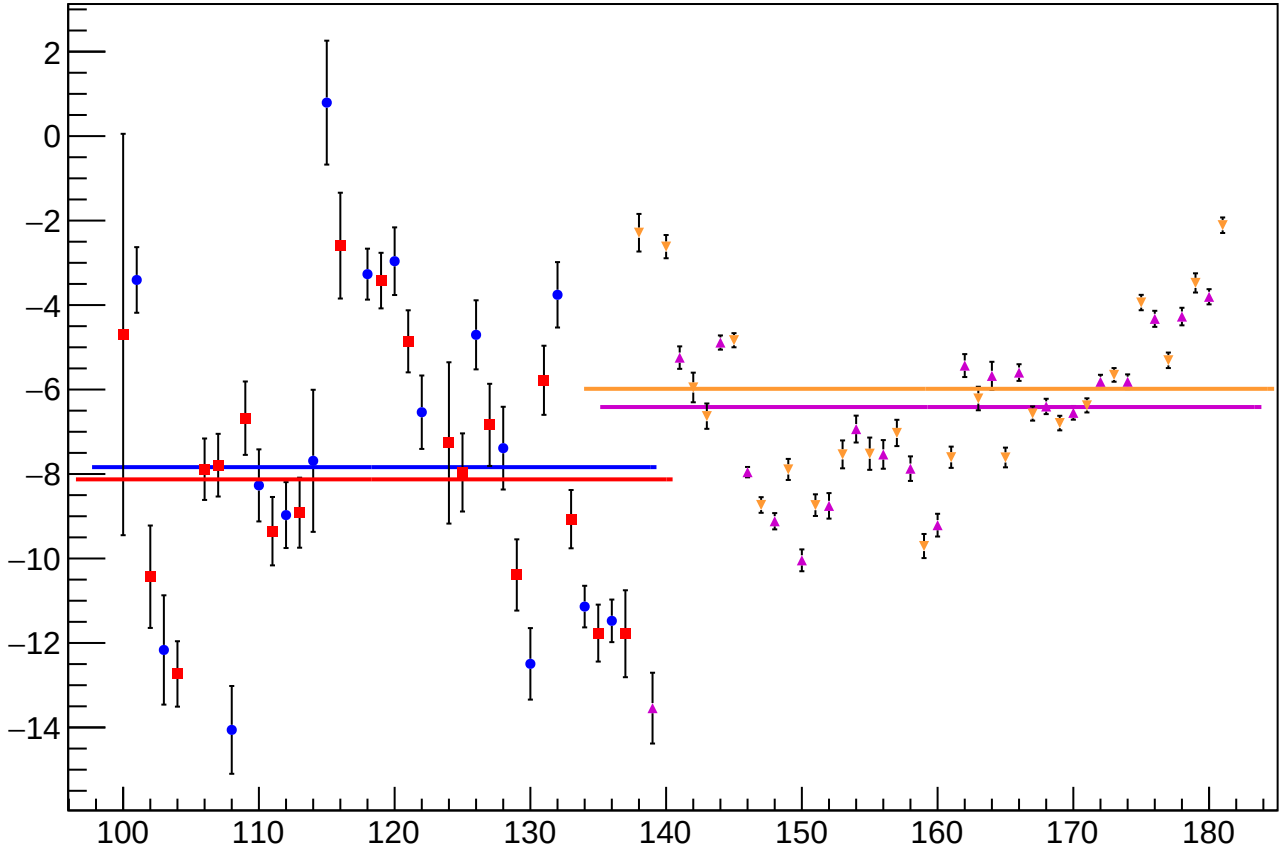
Left In: -28.348+/-0.060 χ^2/NDF:4337.5/20

+ sign -29.236+/-0.057 χ^2/NDF: 5942.0/38

All: -28.838+/-0.040 χ^2/NDF: 10956.2/78

- sign -28.431+/-0.057 χ^2/NDF: 4914.2/39

reg_asym_sam_37_dd_diff_bpm4aY_slope vs Slug



Right In: -7.837+/-0.195 χ^2/NDF: 383.2/15

Left Out: -5.983+/-0.046 χ^2/NDF:1723.2/22

Right Out: -8.127+/-0.197 χ^2/NDF: 197.3/18

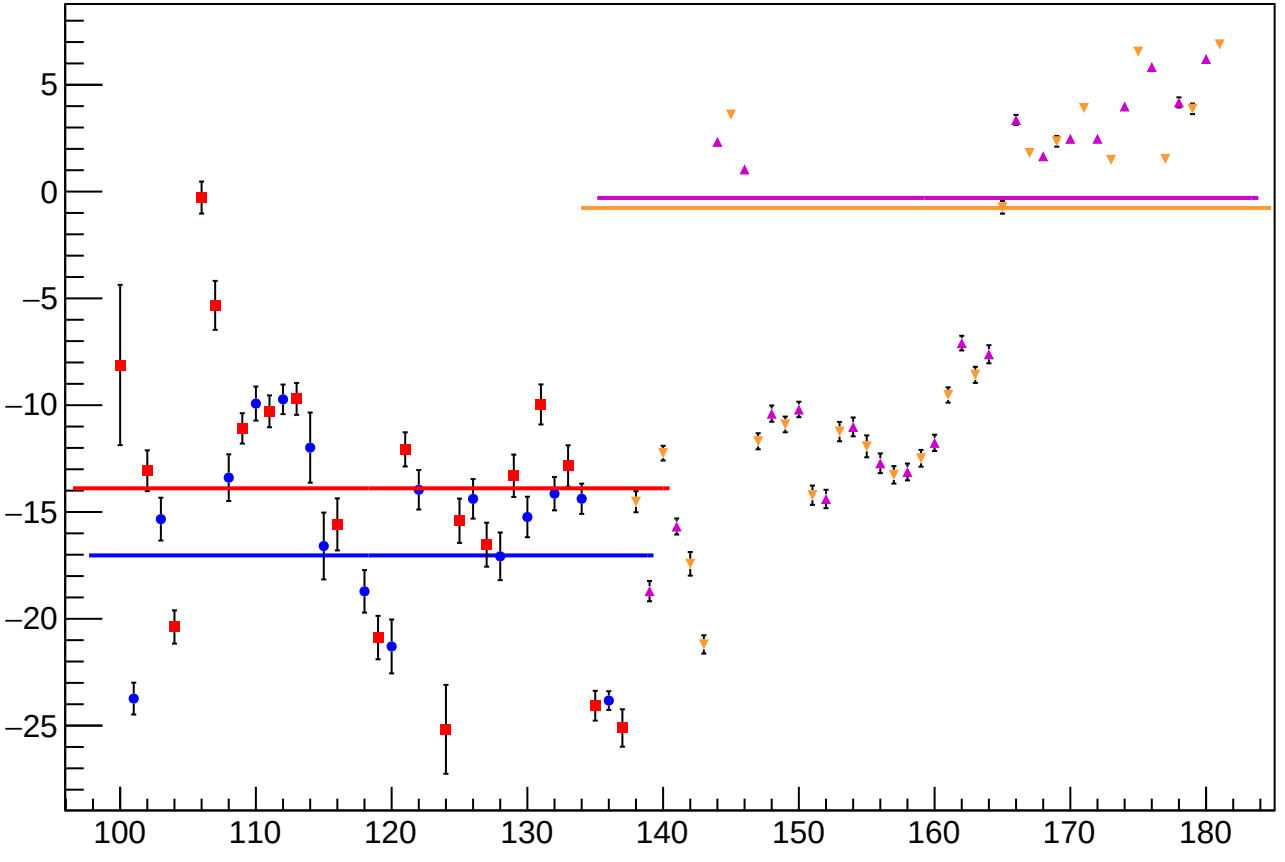
Left In: -6.414+/-0.046 χ^2/NDF:1429.3/20

+ sign -6.081+/-0.045 χ^2/NDF: 2192.1/38

All: -6.293+/-0.032 χ^2/NDF: 3935.1/78

- sign -6.501+/-0.044 χ^2/NDF: 1698.6/39

reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug



Right In: -17.033+/-0.209 χ^2/NDF: 601.2/15

Left Out: -0.766+/-0.060 χ^2/NDF:16467.5/22

Right Out: -13.892+/-0.209 χ^2/NDF: 1017.4/18

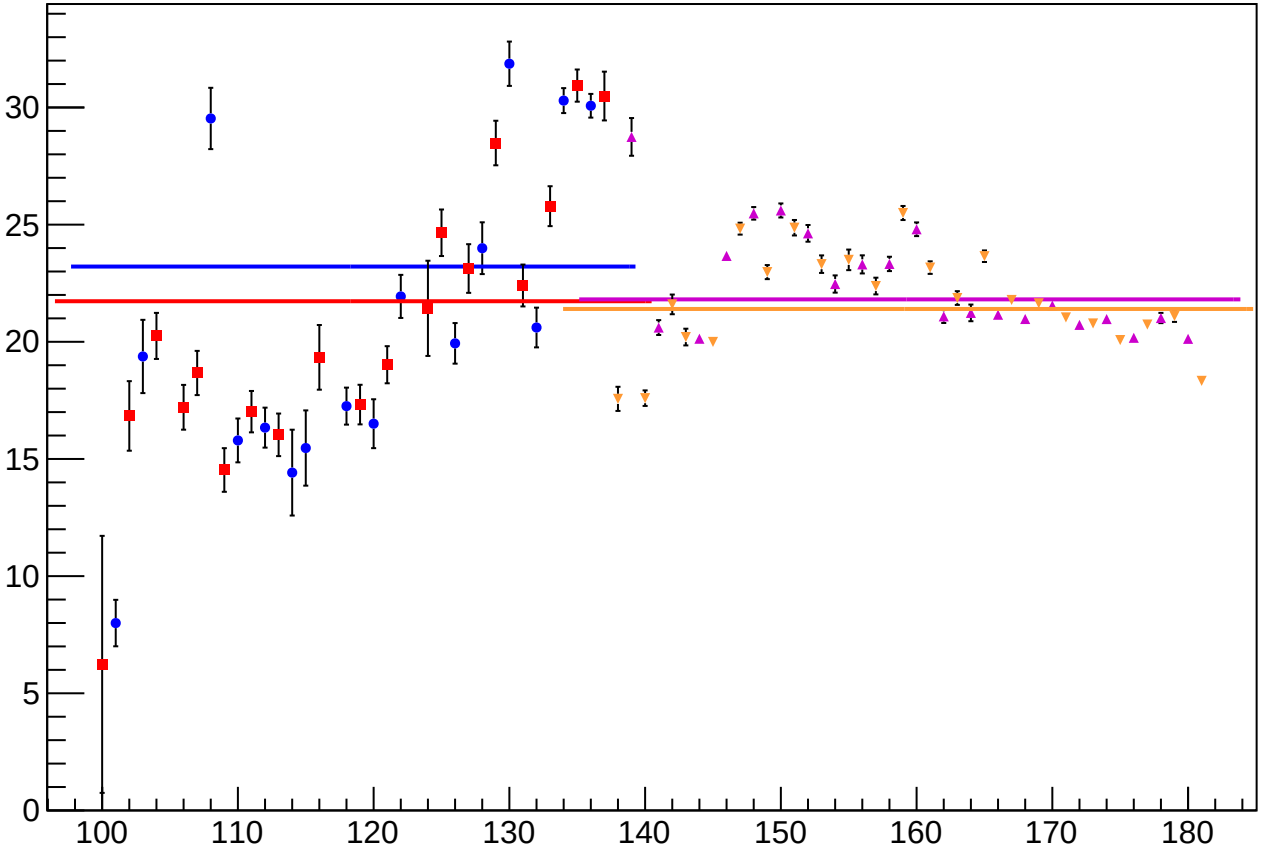
Left In: -0.297+/-0.060 χ^2/NDF:13228.4/20

\+ sign -1.982+/-0.057 χ^2/NDF: 22653.9/38

All: -1.659+/-0.041 χ^2/NDF: 40861.0/78

\- sign -1.331+/-0.058 χ^2/NDF: 18143.0/39

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug



Right In: 23.211+/-0.218 χ^2/NDF: 1008.2/15

Left Out: 21.401+/-0.052 χ^2/NDF:1272.6/22

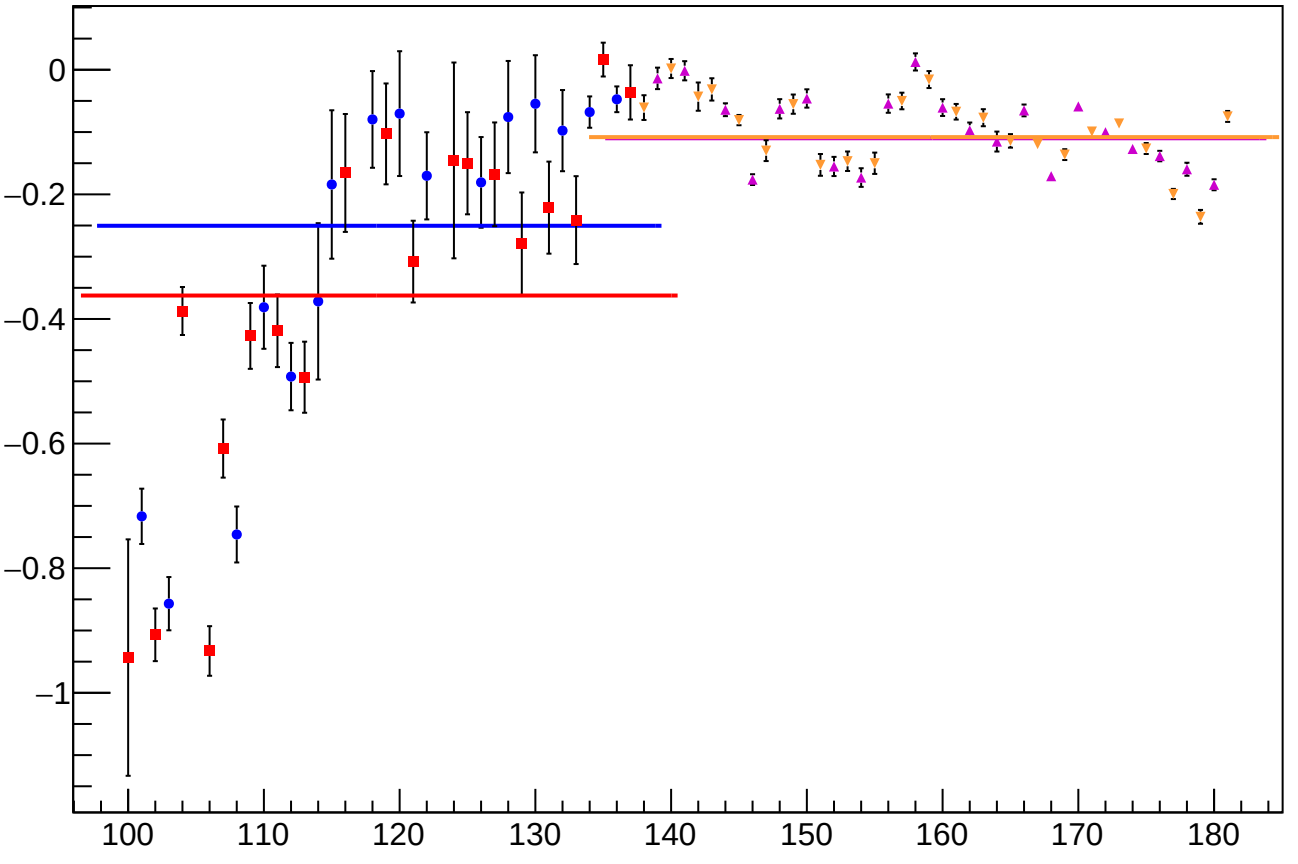
Right Out: 21.731+/-0.224 χ^2/NDF: 558.2/18

Left In: 21.810+/-0.051 χ^2/NDF:1112.5/20

+ sign 21.497+/-0.050 χ^2/NDF: 2346.0/38

All: 21.652+/-0.035 χ^2/NDF: 4035.9/78

- sign 21.806+/-0.050 χ^2/NDF: 1670.9/39



Right In: -0.250+/-0.012 χ^2/NDF: 633.5/15

Left Out: -0.108+/-0.002 χ^2/NDF:506.0/22

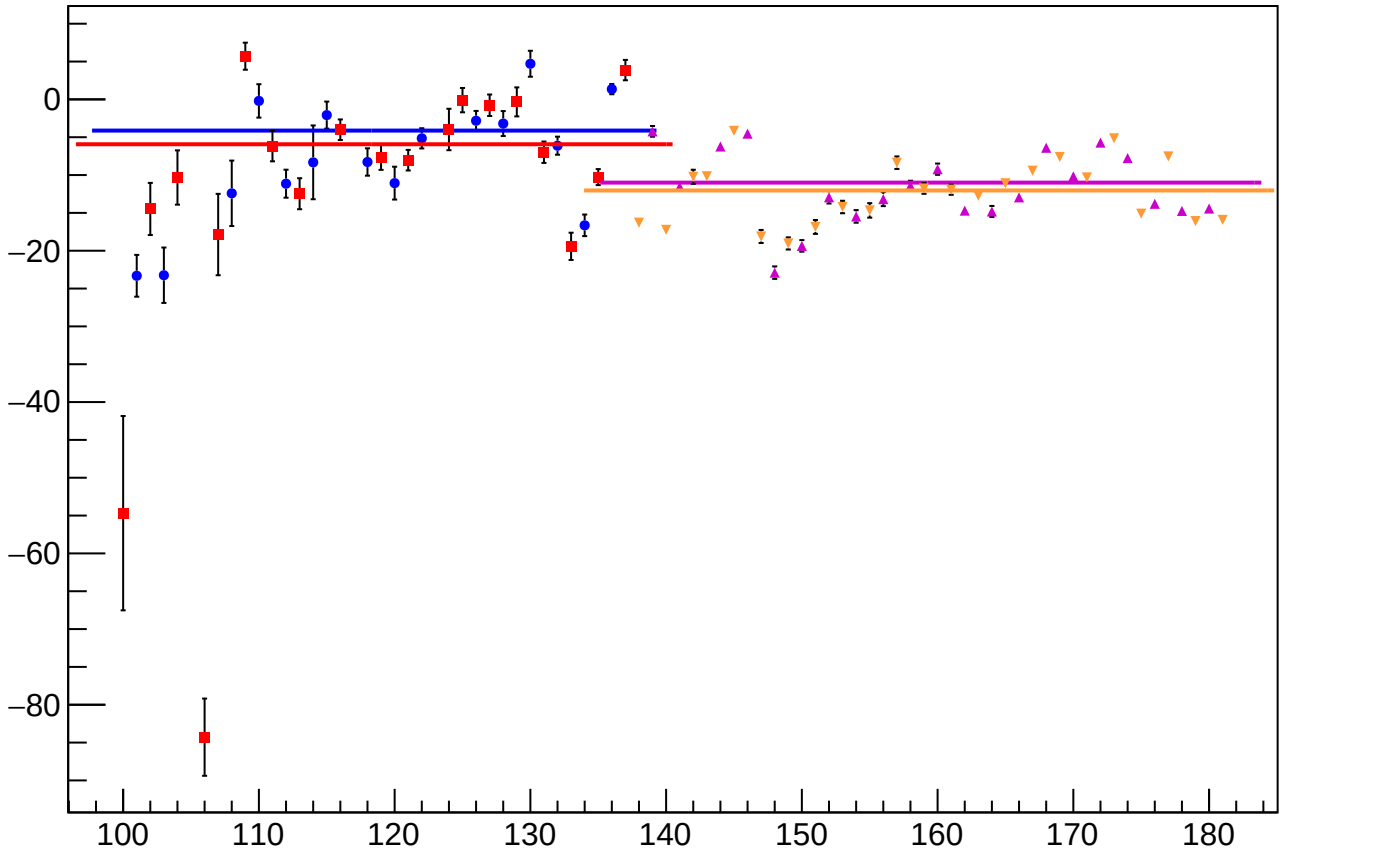
Right Out: -0.362+/-0.012 χ^2/NDF: 704.3/18

Left In: -0.110+/-0.002 χ^2/NDF:558.4/20

+ sign -0.113+/-0.002 χ^2/NDF: 1282.9/38

All: -0.116+/-0.002 χ^2/NDF: 2951.7/78

- sign -0.119+/-0.002 χ^2/NDF: 1666.3/39



Right In: -4.124+/-0.382 χ^2/NDF: 287.9/15

Left Out: -12.034+/-0.098 χ^2/NDF:1914.5/22

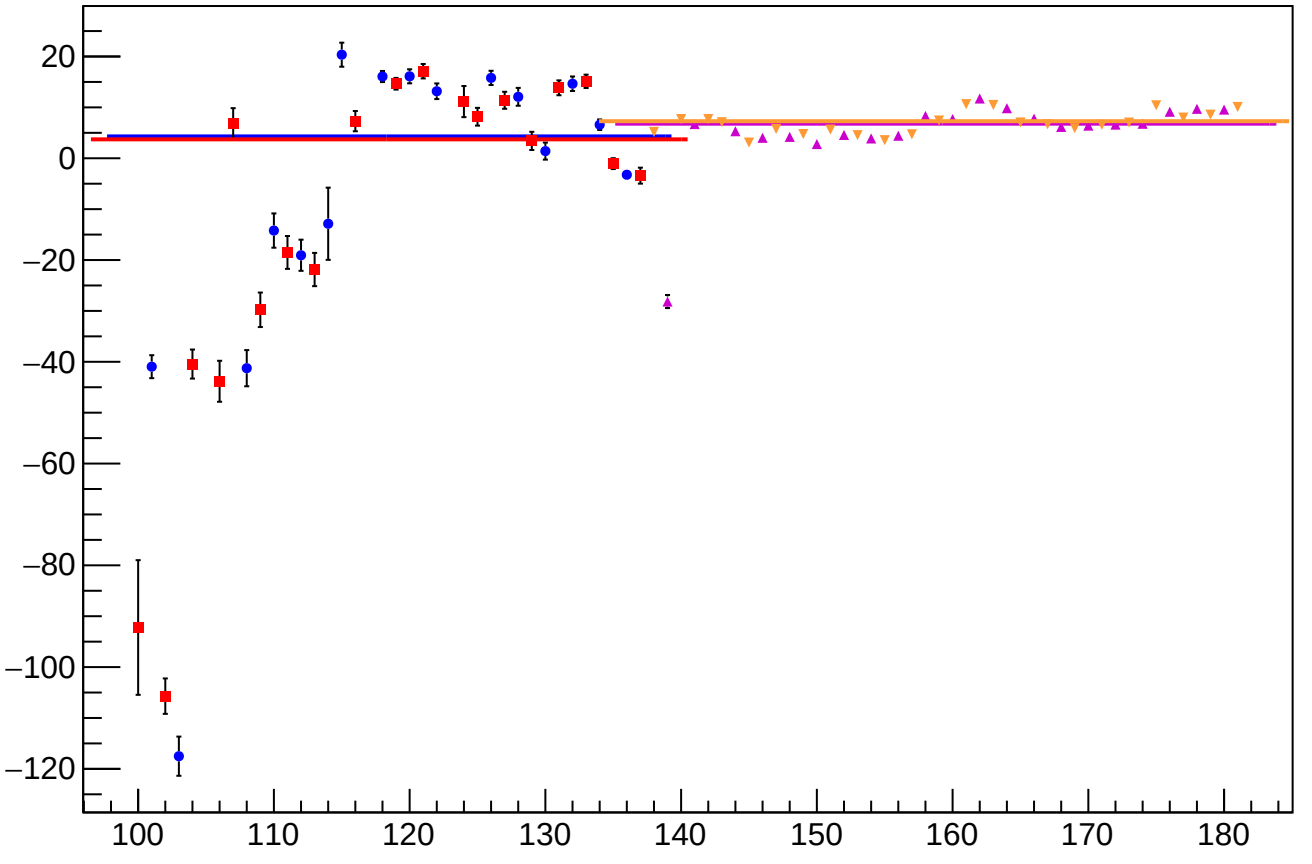
Right Out: -5.930+/-0.408 χ^2/NDF: 482.6/18

Left In: -11.000+/-0.103 χ^2/NDF:1658.8/20

+ sign -11.541+/-0.095 χ^2/NDF: 2605.0/38

All: -11.138+/-0.069 χ^2/NDF: 4929.3/78

- sign -10.696+/-0.100 χ^2/NDF: 2286.8/39



Right In: 4.292+/-0.385 χ^2/NDF: 2169.1/15

Left Out: 7.285+/-0.079 χ^2/NDF:731.5/22

Right Out: 3.717+/-0.423 χ^2/NDF: 2007.2/18

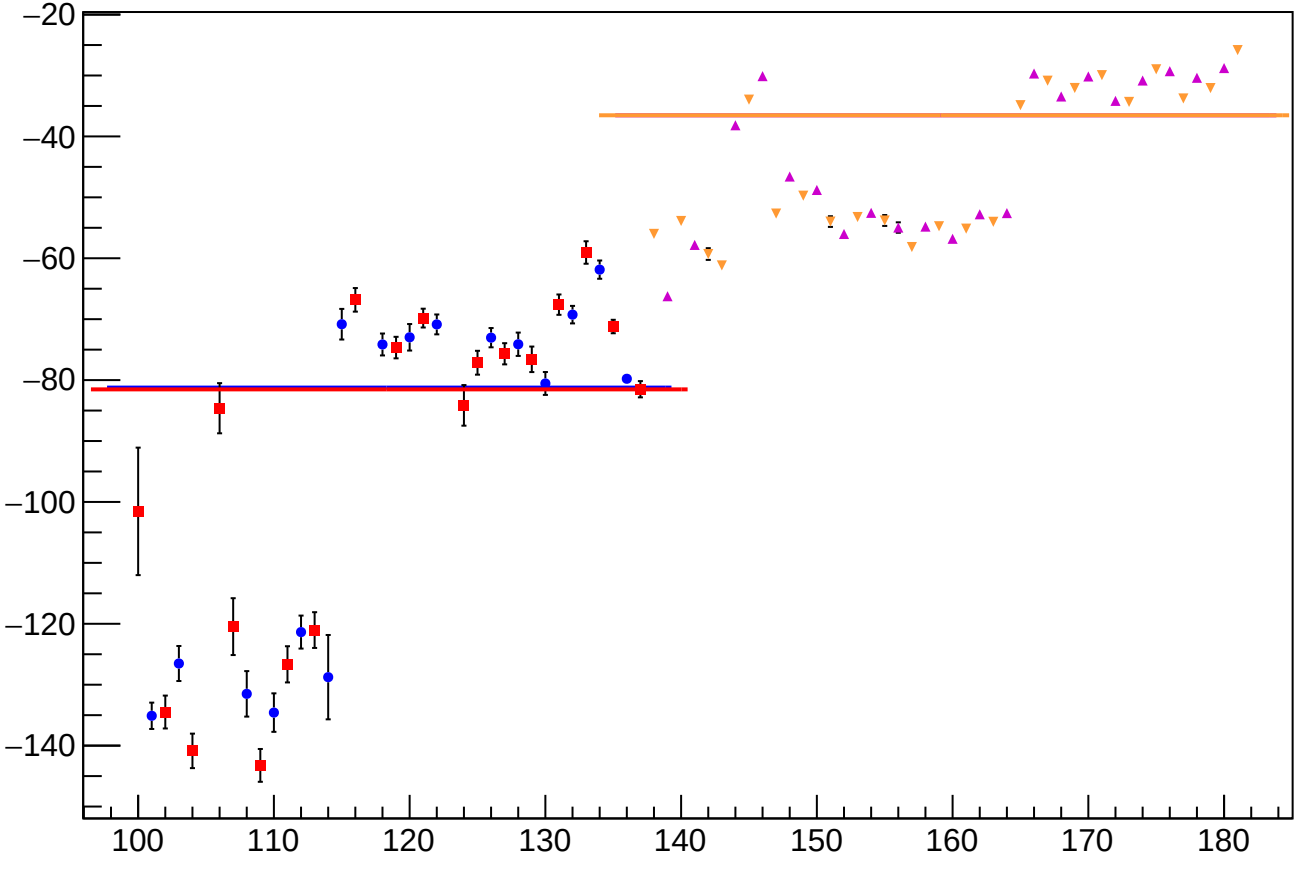
Left In: 6.800+/-0.080 χ^2/NDF:1488.6/20

+ sign 7.164+/-0.077 χ^2/NDF: 2958.6/38

All: 6.933+/-0.055 χ^2/NDF: 6524.0/78

- sign 6.693+/-0.079 χ^2/NDF: 3547.2/39

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug



Right In: -81.231+/-0.417 χ^2/NDF: 1971.1/15

Left Out: -36.530+/-0.099 χ^2/NDF:12183.5/22

Right Out: -81.523+/-0.462 χ^2/NDF: 2293.2/18

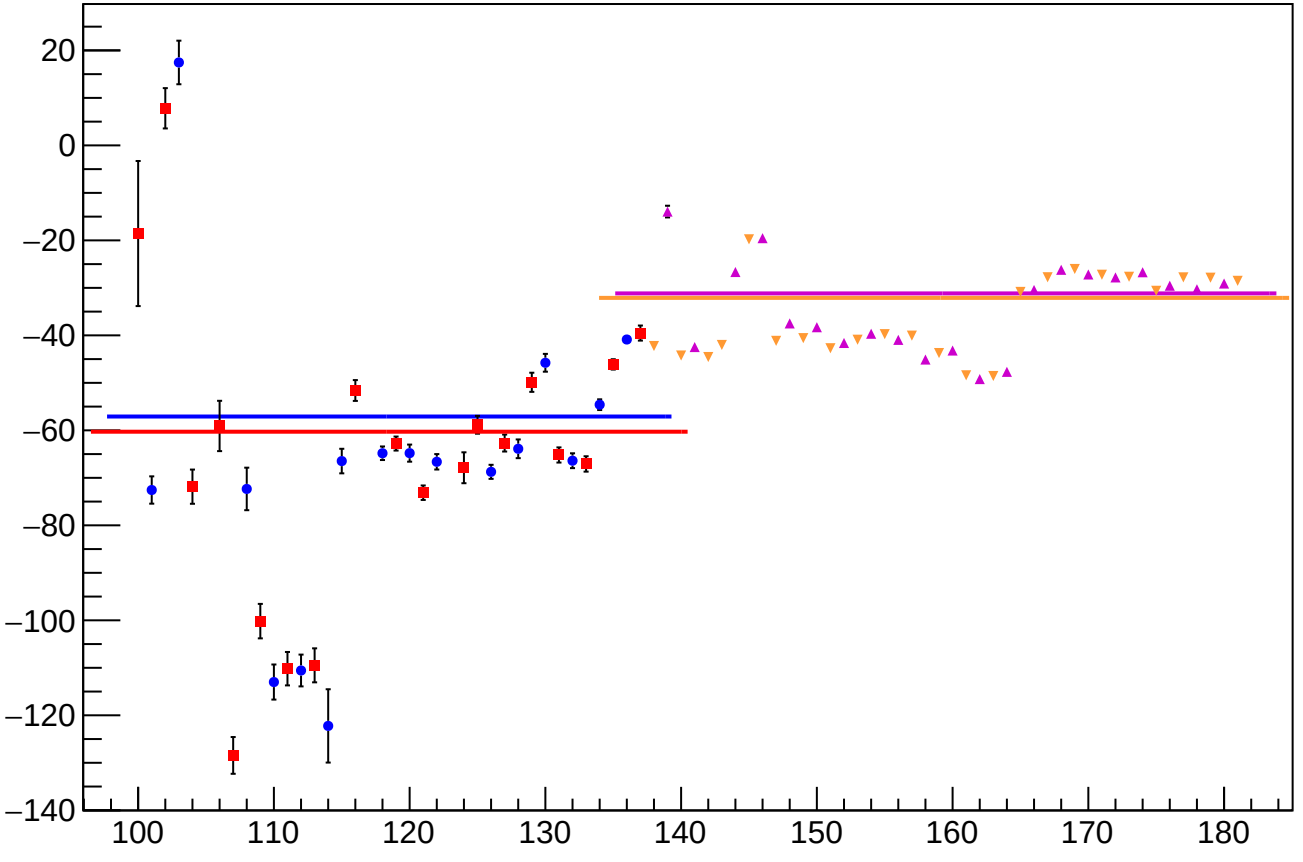
Left In: -36.540+/-0.103 χ^2/NDF:10410.6/20

\+ sign -38.910+/-0.096 χ^2/NDF: 25042.6/38

All: -38.791+/-0.069 χ^2/NDF: 46798.2/78

\- sign -38.662+/-0.100 χ^2/NDF: 21752.4/39

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug



Right In: -57.089+/-0.426 χ^2/NDF: 1526.8/15

Left Out: -32.109+/-0.088 χ^2/NDF:7951.6/22

Right Out: -60.287+/-0.470 χ^2/NDF: 1587.9/18

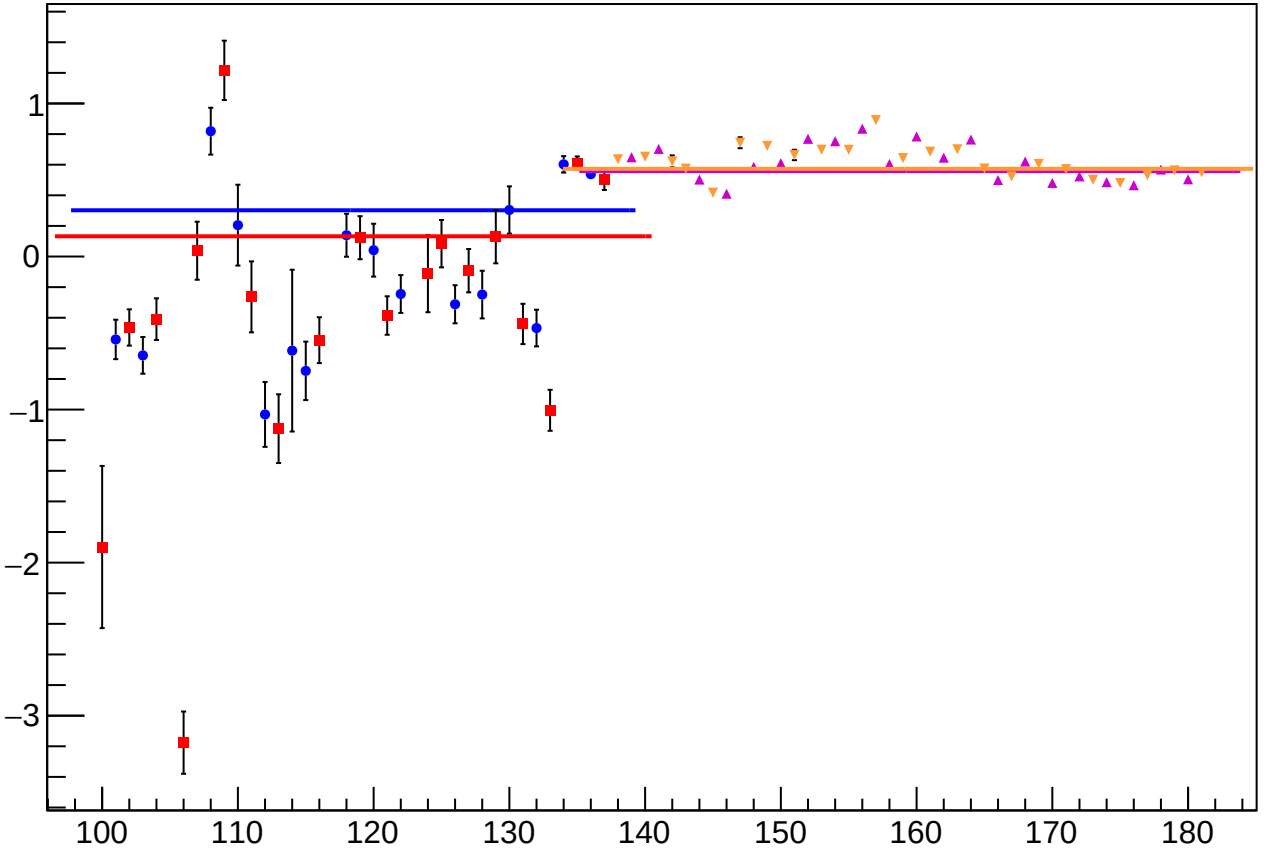
Left In: -31.167+/-0.089 χ^2/NDF:7362.9/20

+ sign -33.125+/-0.086 χ^2/NDF: 12781.2/38

All: -32.666+/-0.061 χ^2/NDF: 25494.8/78

- sign -32.185+/-0.088 χ^2/NDF: 12655.0/39

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug



Right In: 0.302+/-0.023 χ^2/NDF: 374.8/15

Left Out: 0.573+/-0.004 χ^2/NDF:539.3/22

Right Out: 0.132+/-0.027 χ^2/NDF: 672.5/18

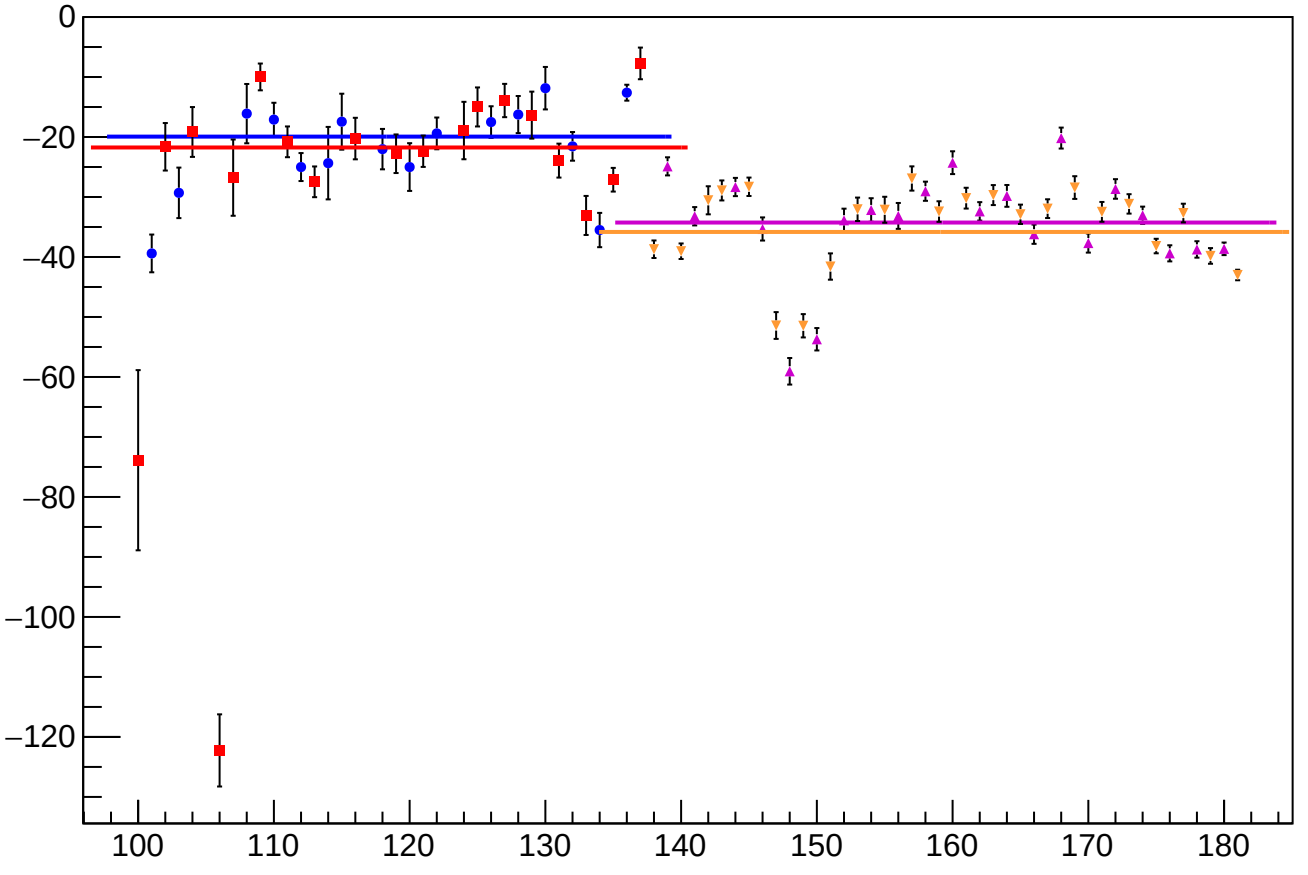
Left In: 0.558+/-0.004 χ^2/NDF:669.1/20

+ sign 0.565+/-0.004 χ^2/NDF: 1049.4/38

All: 0.557+/-0.003 χ^2/NDF: 2652.6/78

- sign 0.548+/-0.004 χ^2/NDF: 1593.9/39

reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug



Right In: -19.935+/-0.695 χ^2/NDF: 120.6/15

Left Out: -35.826+/-0.329 χ^2/NDF:352.2/22

Right Out: -21.746+/-0.714 χ^2/NDF: 388.3/18

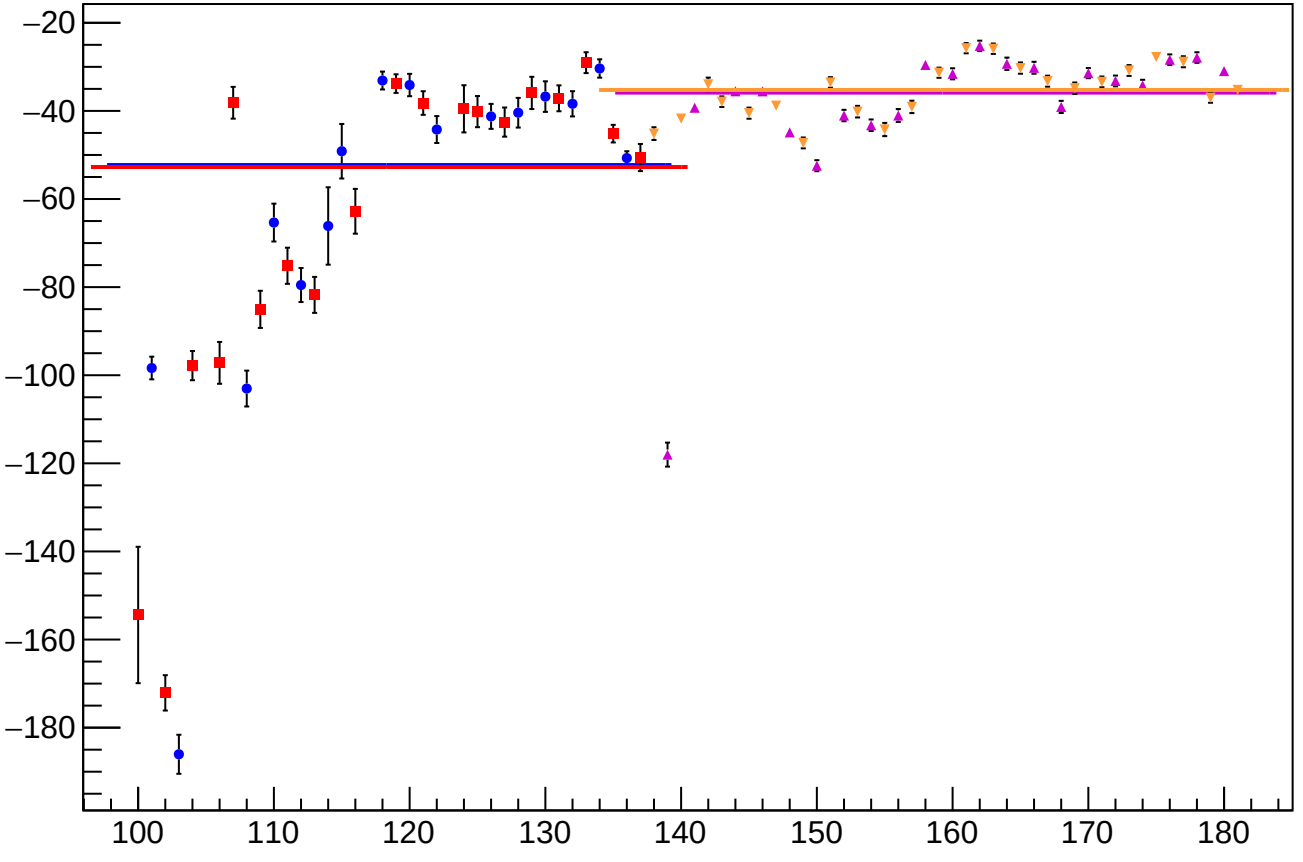
Left In: -34.259+/-0.350 χ^2/NDF:462.0/20

+ sign -32.921+/-0.297 χ^2/NDF: 900.3/38

All: -32.407+/-0.216 χ^2/NDF: 2004.8/78

- sign -31.833+/-0.314 χ^2/NDF: 1098.1/39

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug



Right In: -52.296+/-0.708 χ^2/NDF: 1778.2/15

Left Out: -35.239+/-0.254 χ^2/NDF:515.9/22

Right Out: -52.737+/-0.748 χ^2/NDF: 1662.5/18

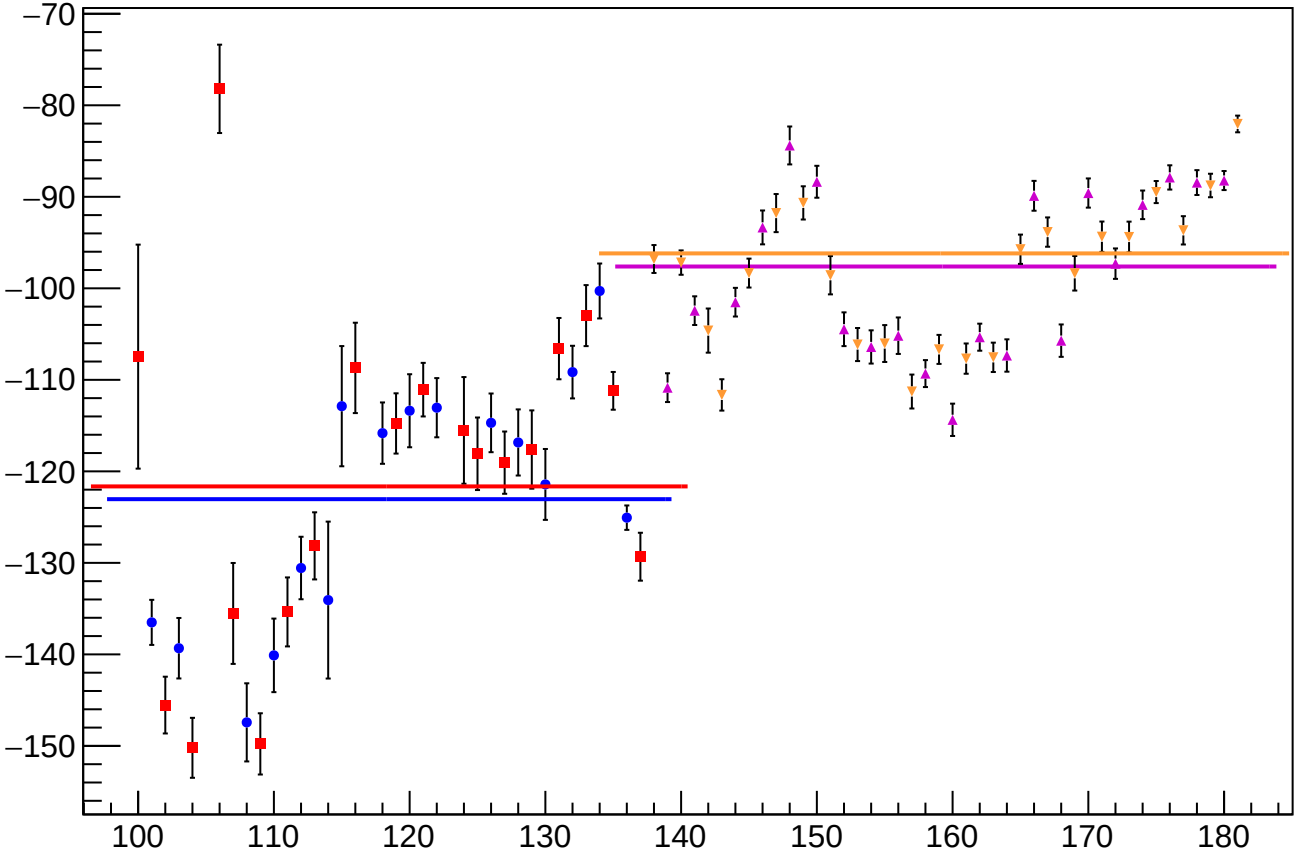
Left In: -35.842+/-0.269 χ^2/NDF:1524.5/20

+ sign -37.187+/-0.239 χ^2/NDF: 2808.1/38

All: -37.463+/-0.174 χ^2/NDF: 6449.7/78

- sign -37.770+/-0.253 χ^2/NDF: 3638.7/39

reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug



Right In: -123.039+/-0.750 χ^2/NDF: 226.8/15

Left Out: -96.184+/-0.327 χ^2/NDF:687.1/22

Right Out: -121.646+/-0.801 χ^2/NDF: 424.5/18

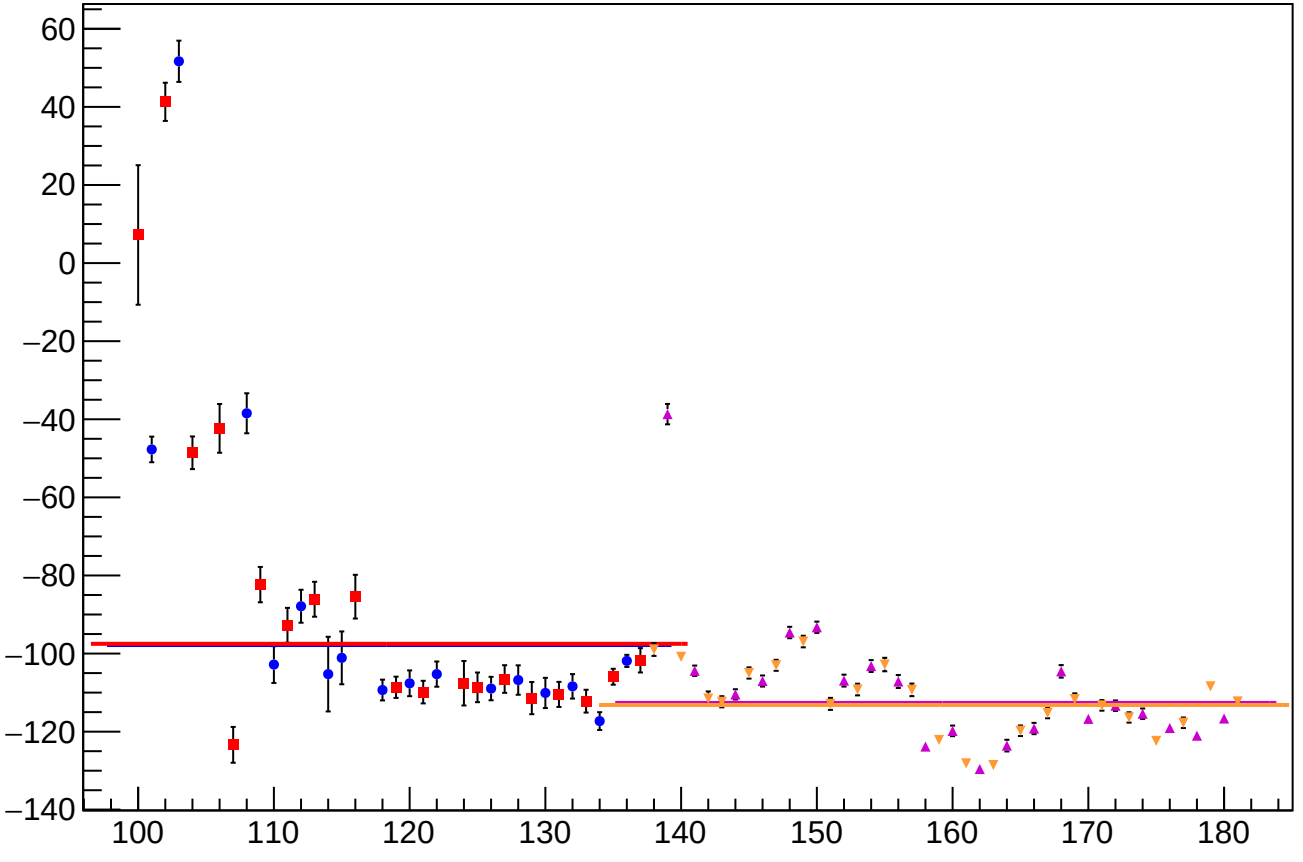
Left In: -97.616+/-0.346 χ^2/NDF:691.5/20

+ sign -100.472+/-0.300 χ^2/NDF: 1991.4/38

All: -100.902+/-0.218 χ^2/NDF: 3870.2/78

- sign -101.384+/-0.317 χ^2/NDF: 1874.5/39

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug



Right In: -97.814+/-0.793 χ^2/NDF: 1330.8/15

Left Out: -113.168+/-0.286 χ^2/NDF:888.8/22

Right Out: -97.504+/-0.843 χ^2/NDF: 1236.4/18

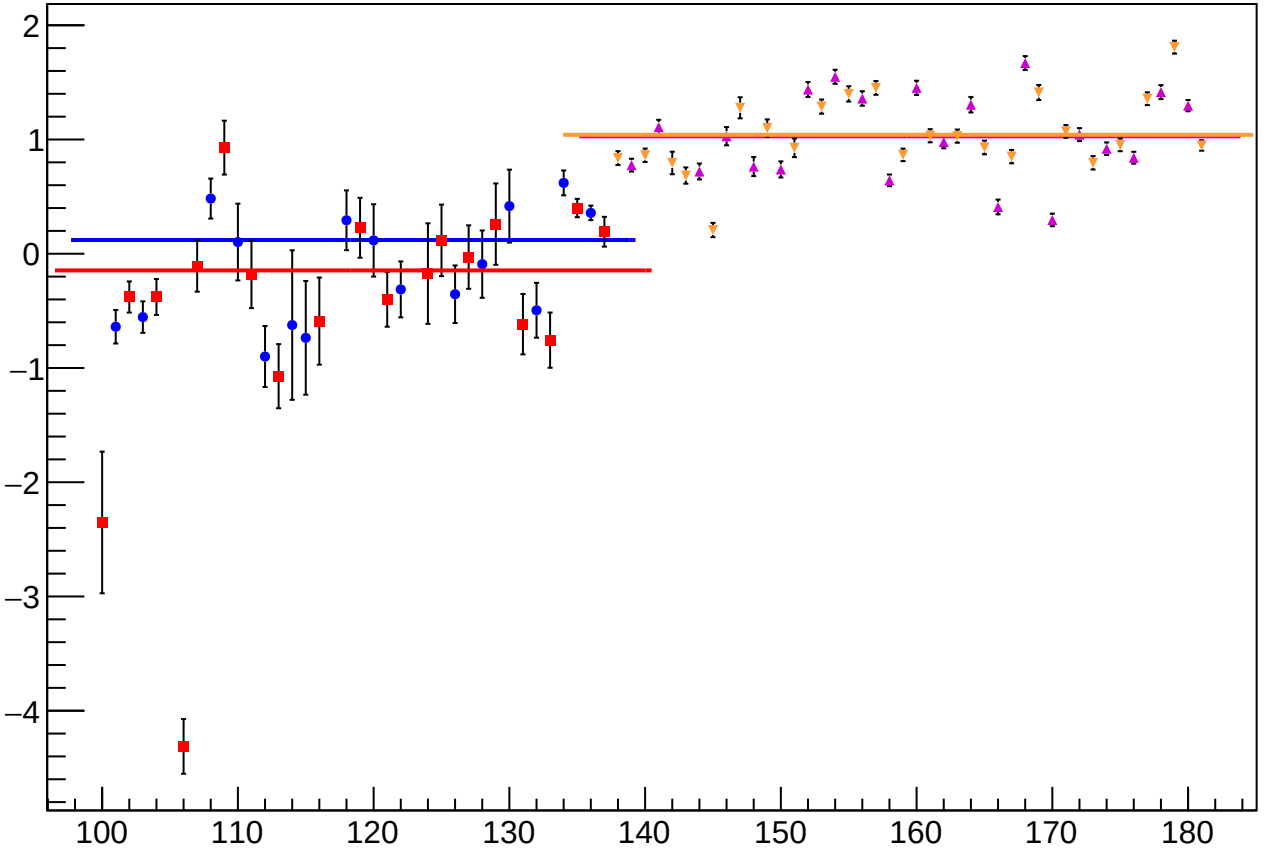
Left In: -112.642+/-0.300 χ^2/NDF:1762.5/20

+ sign -111.402+/-0.269 χ^2/NDF: 2551.4/38

All: -111.182+/-0.195 χ^2/NDF: 5838.2/78

- sign -110.938+/-0.283 χ^2/NDF: 3285.4/39

reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug



Right In: 0.120+/-0.041 χ^2/NDF: 123.9/15

Left Out: 1.041+/-0.013 χ^2/NDF:622.6/22

Right Out: -0.146+/-0.045 χ^2/NDF: 421.0/18

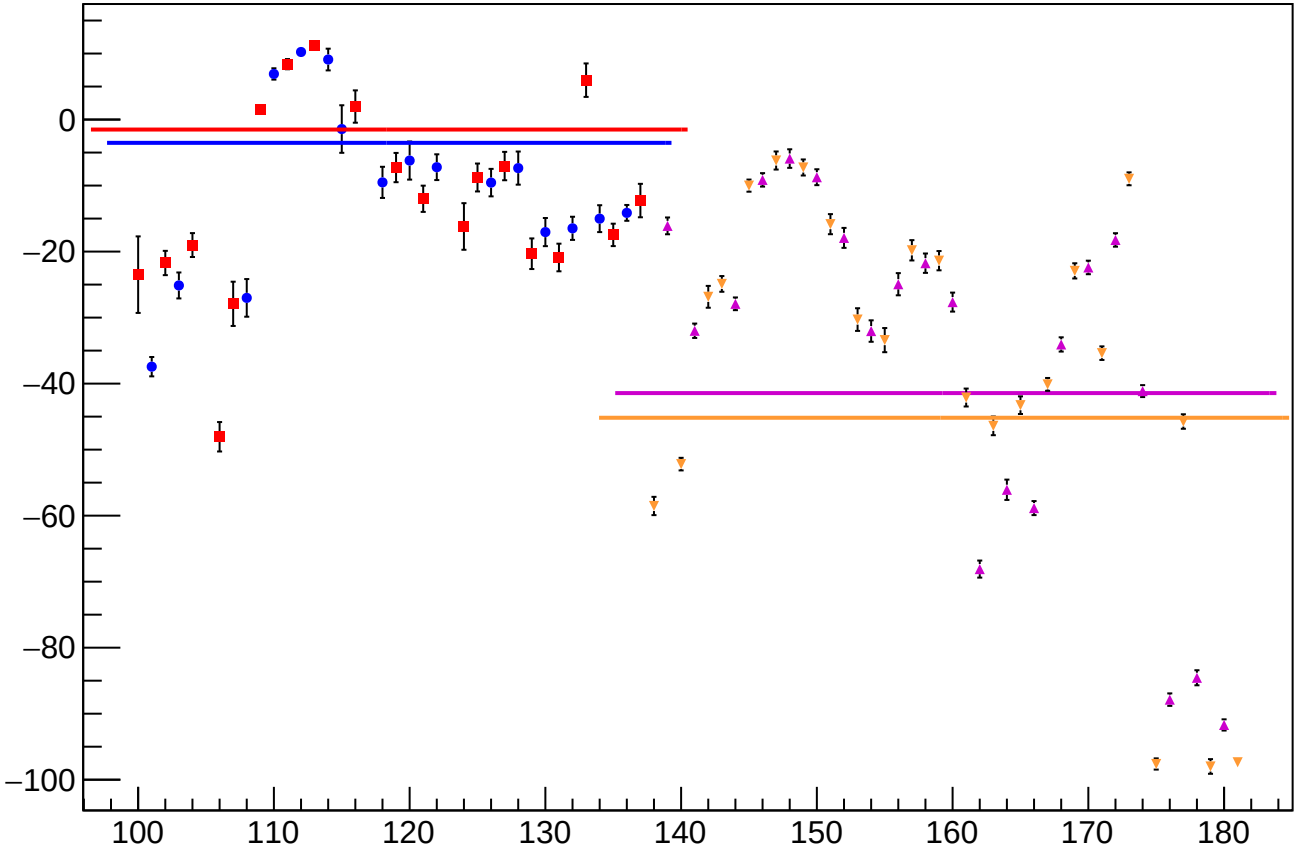
Left In: 1.028+/-0.013 χ^2/NDF:790.8/20

\+ sign 0.960+/-0.012 χ^2/NDF: 1201.4/38

All: 0.947+/-0.009 χ^2/NDF: 3044.4/78

\- sign 0.934+/-0.013 χ^2/NDF: 1840.9/39

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug



Right In: -3.527+/-0.377 χ^2/NDF: 1529.1/15

Left Out: -45.171+/-0.241 χ^2/NDF:17610.1/22

Right Out: -1.513+/-0.338 χ^2/NDF: 1524.7/18

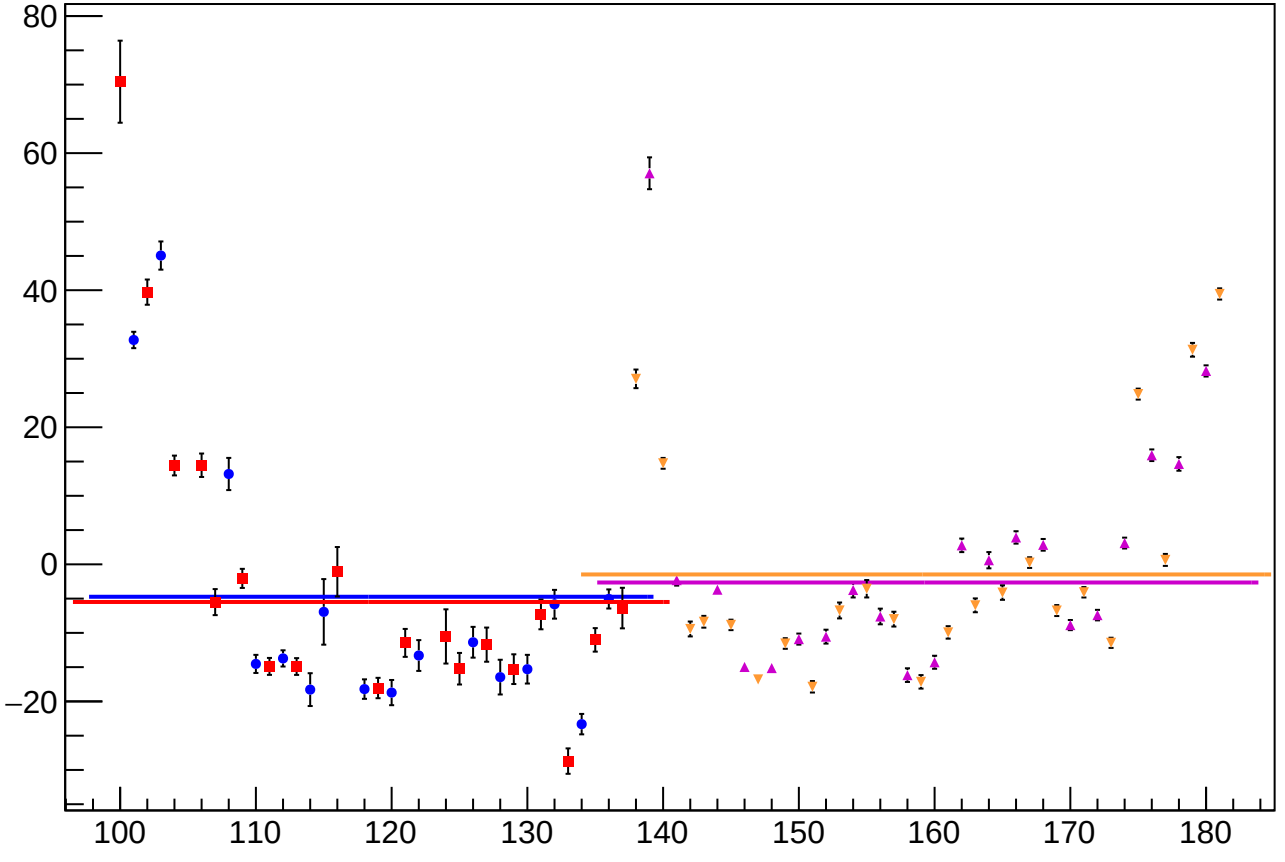
Left In: -41.435+/-0.250 χ^2/NDF:12728.6/20

+ sign -33.095+/-0.203 χ^2/NDF: 27813.3/38

All: -30.188+/-0.143 χ^2/NDF: 51471.5/78

- sign -27.331+/-0.201 χ^2/NDF: 23251.2/39

reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug



Right In: -4.729+/-0.431 χ^2/NDF: 2148.0/15

Left Out: -1.475+/-0.182 χ^2/NDF:7519.4/22

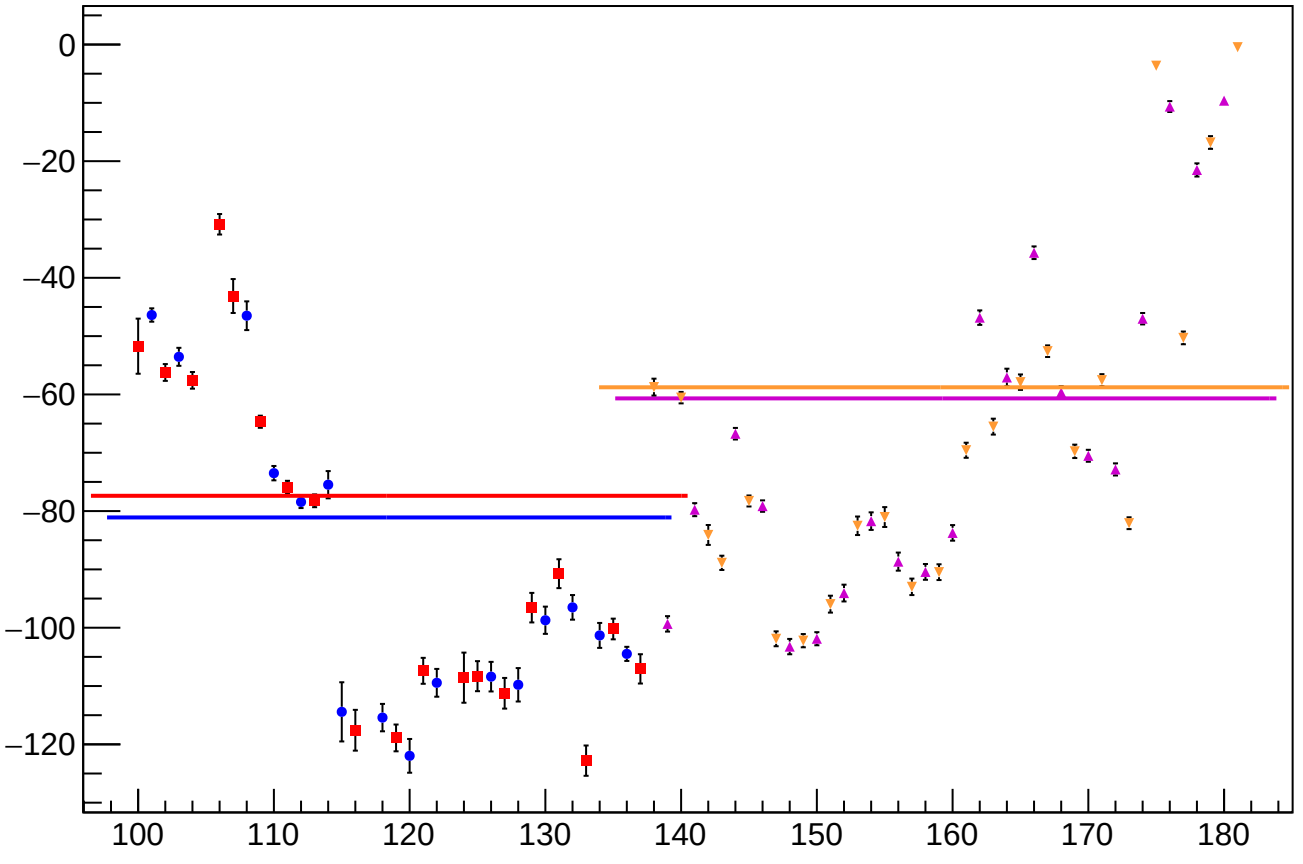
Right Out: -5.491+/-0.422 χ^2/NDF: 1508.6/18

Left In: -2.649+/-0.188 χ^2/NDF:4435.4/20

+ sign -1.970+/-0.168 χ^2/NDF: 9715.7/38

All: -2.532+/-0.120 χ^2/NDF: 15720.5/78

- sign -3.121+/-0.172 χ^2/NDF: 5981.8/39



Right In: -81.091+/-0.438 χ^2/NDF: 2870.3/15

Left Out: -58.774+/-0.240 χ^2/NDF:18162.2/22

Right Out: -77.379+/-0.417 χ^2/NDF: 3129.7/18

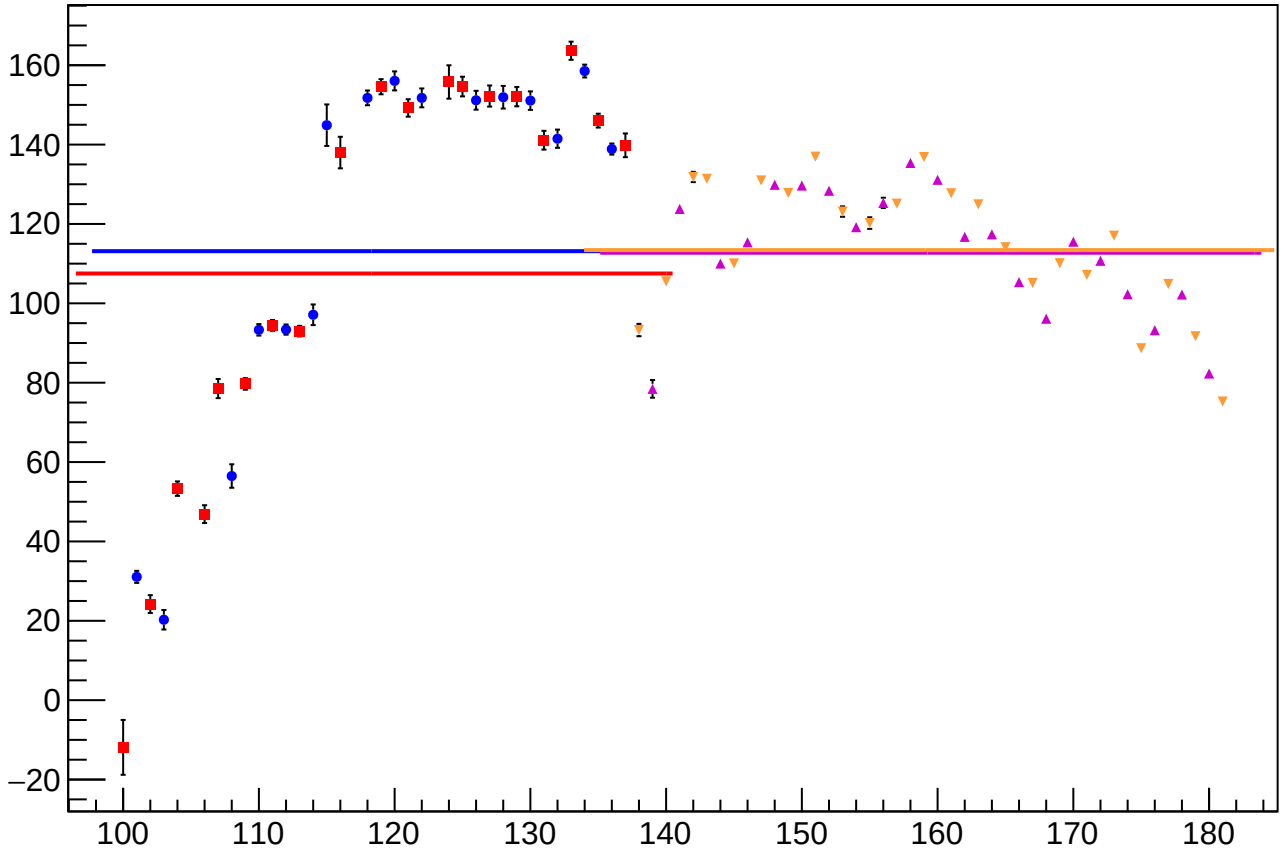
Left In: -60.678+/-0.248 χ^2/NDF:14575.4/20

+ sign -63.915+/-0.210 χ^2/NDF: 23027.2/38

All: -64.472+/-0.150 χ^2/NDF: 41932.1/78

- sign -65.045+/-0.213 χ^2/NDF: 18890.7/39

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug



Right In: 113.143+/-0.489 χ^2/NDF: 8204.1/15

Left Out: 113.411+/-0.207 χ^2/NDF:6357.0/22

Right Out: 107.515+/-0.479 χ^2/NDF: 7544.0/18

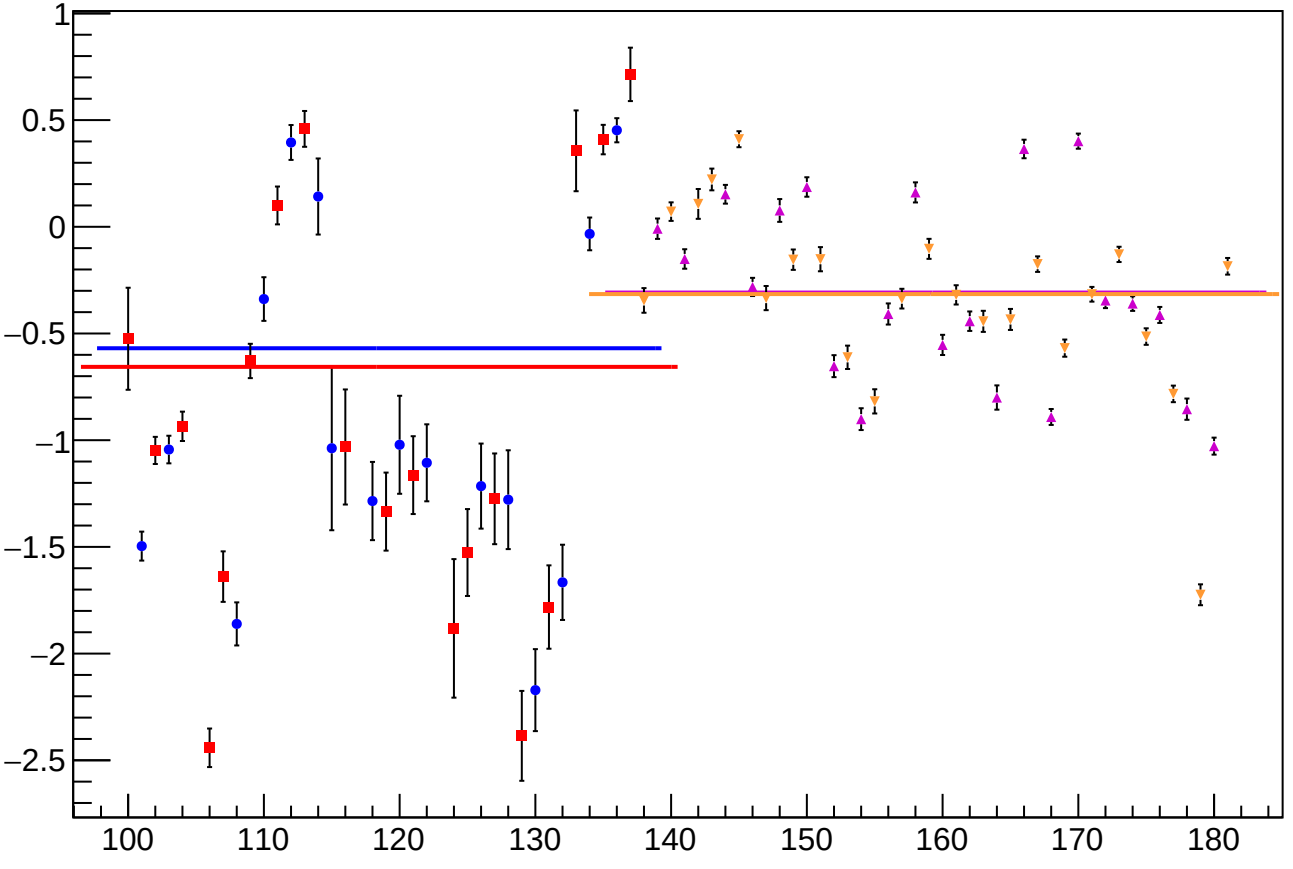
Left In: 112.745+/-0.213 χ^2/NDF:4482.4/20

+ sign 113.370+/-0.190 χ^2/NDF: 14561.3/38

All: 112.643+/-0.136 χ^2/NDF: 26717.1/78

- sign 111.884+/-0.195 χ^2/NDF: 12125.9/39

reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug



Right In: -0.569+/-0.026 χ^2/NDF: 1097.4/15

Left Out: -0.315+/-0.009 χ^2/NDF:1857.6/22

Right Out: -0.656+/-0.025 χ^2/NDF: 1315.2/18

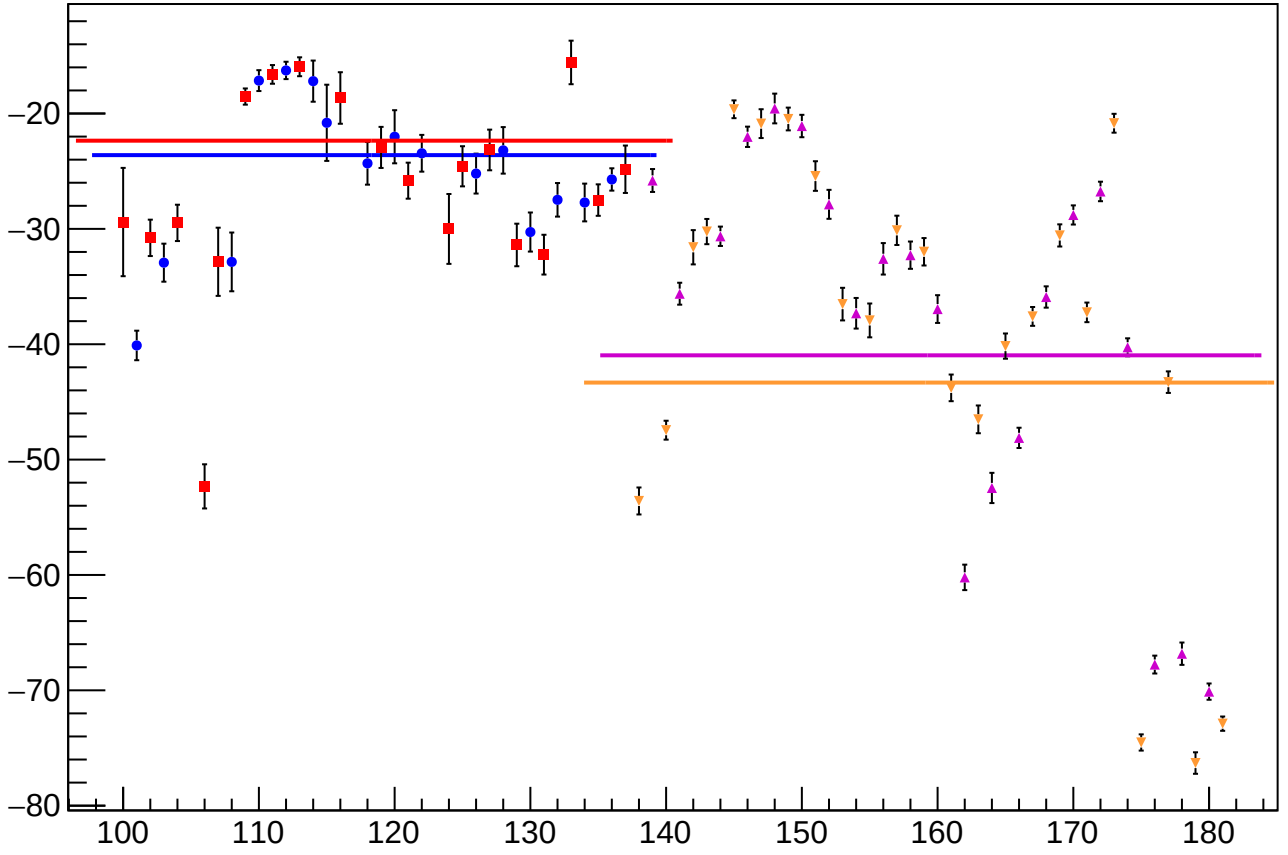
Left In: -0.308+/-0.009 χ^2/NDF:2065.9/20

+ sign -0.345+/-0.009 χ^2/NDF: 3040.7/38

All: -0.348+/-0.006 χ^2/NDF: 6589.2/78

- sign -0.351+/-0.009 χ^2/NDF: 3548.2/39

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug



Right In: -23.607+/-0.348 χ^2/NDF: 406.4/15

Left Out: -43.323+/-0.202 χ^2/NDF:9087.9/22

Right Out: -22.354+/-0.322 χ^2/NDF: 551.7/18

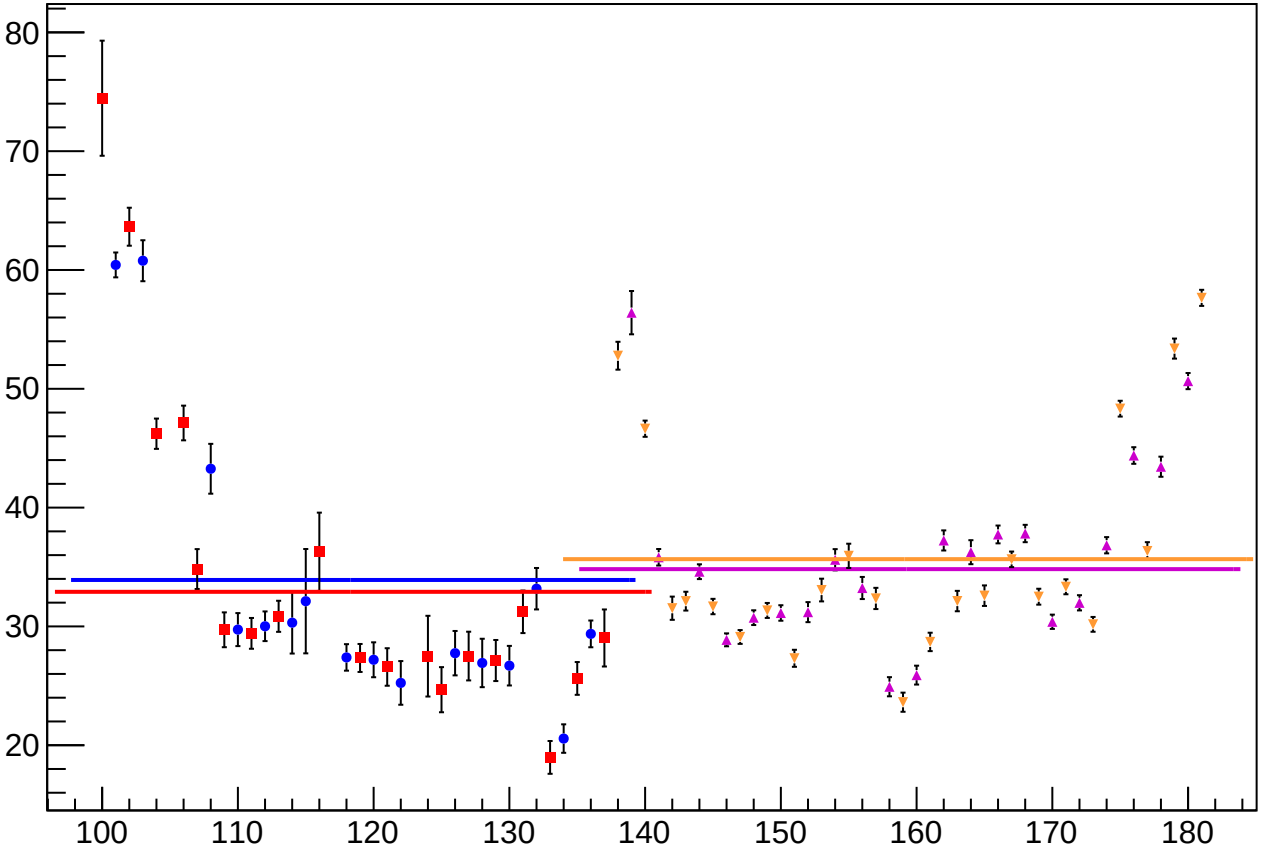
Left In: -40.961+/-0.210 χ^2/NDF:6386.0/20

+ sign -38.349+/-0.175 χ^2/NDF: 11890.2/38

All: -36.888+/-0.124 χ^2/NDF: 21315.3/78

- sign -35.414+/-0.176 χ^2/NDF: 9285.0/39

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug



Right In: 33.909+/-0.375 χ^2/NDF: 1184.4/15

Left Out: 35.661+/-0.155 χ^2/NDF:3184.7/22

Right Out: 32.911+/-0.373 χ^2/NDF: 875.0/18

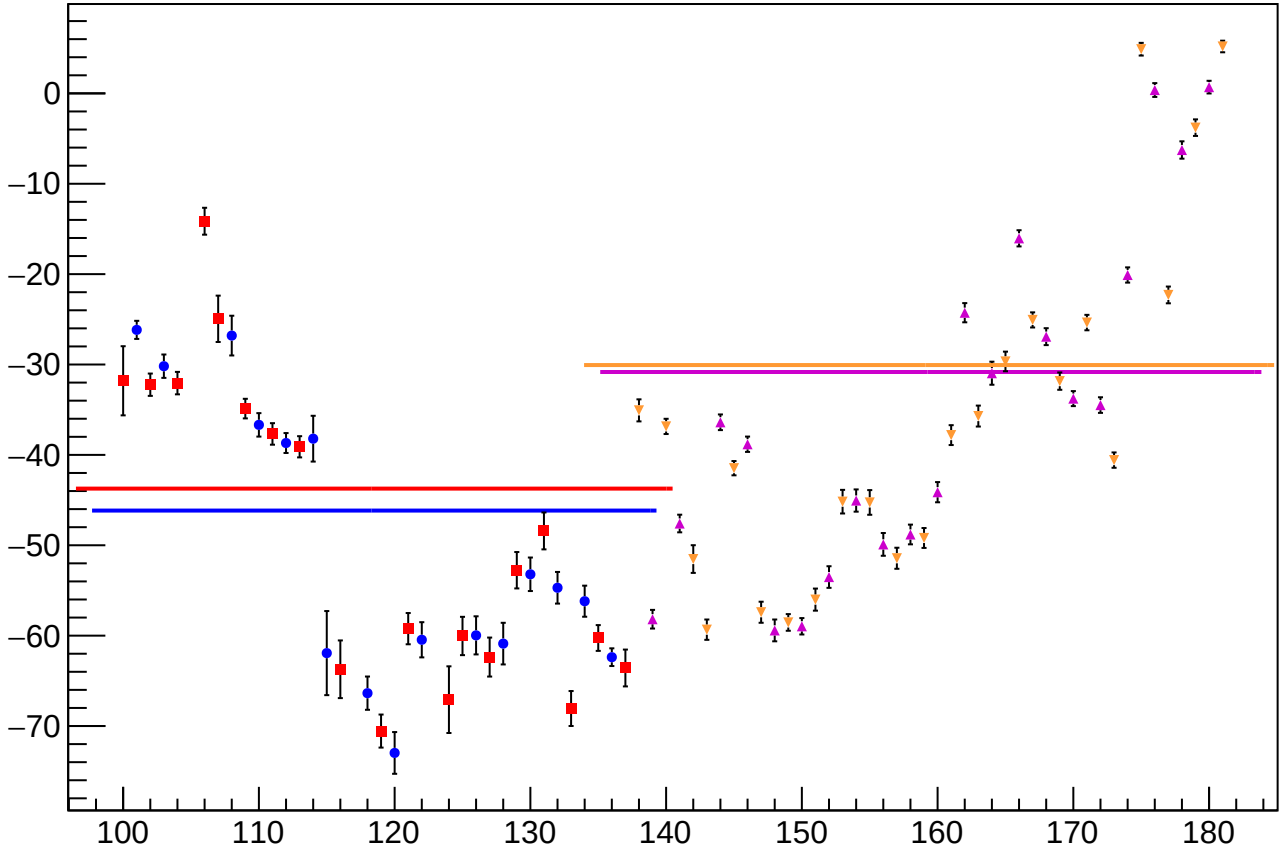
Left In: 34.821+/-0.160 χ^2/NDF:1595.3/20

\+ sign 35.407+/-0.143 χ^2/NDF: 4387.7/38

All: 34.977+/-0.102 χ^2/NDF: 6898.7/78

\- sign 34.524+/-0.147 χ^2/NDF: 2492.4/39

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug



Right In: -46.160+/-0.390 χ^2/NDF: 1489.6/15

Left Out: -30.060+/-0.201 χ^2/NDF:10683.3/22

Right Out: -43.730+/-0.378 χ^2/NDF: 1663.4/18

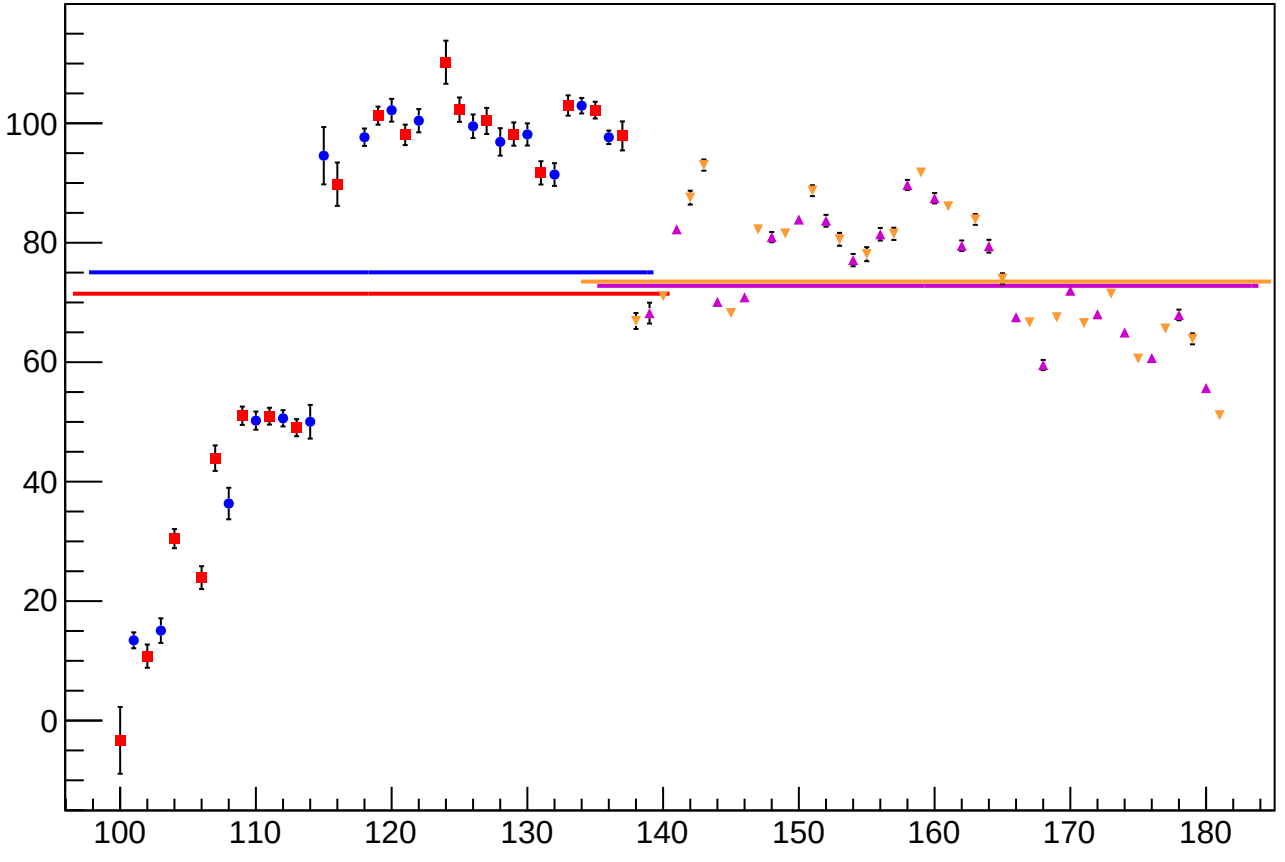
Left In: -30.828+/-0.208 χ^2/NDF:8649.1/20

+ sign -33.452+/-0.179 χ^2/NDF: 13519.4/38

All: -33.632+/-0.128 χ^2/NDF: 24727.5/78

- sign -33.819+/-0.182 χ^2/NDF: 11206.0/39

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug



Right In: 75.042+/-0.427 χ^2/NDF: 5828.3/15

Left Out: 73.501+/-0.174 χ^2/NDF:3906.9/22

Right Out: 71.468+/-0.426 χ^2/NDF: 5628.2/18

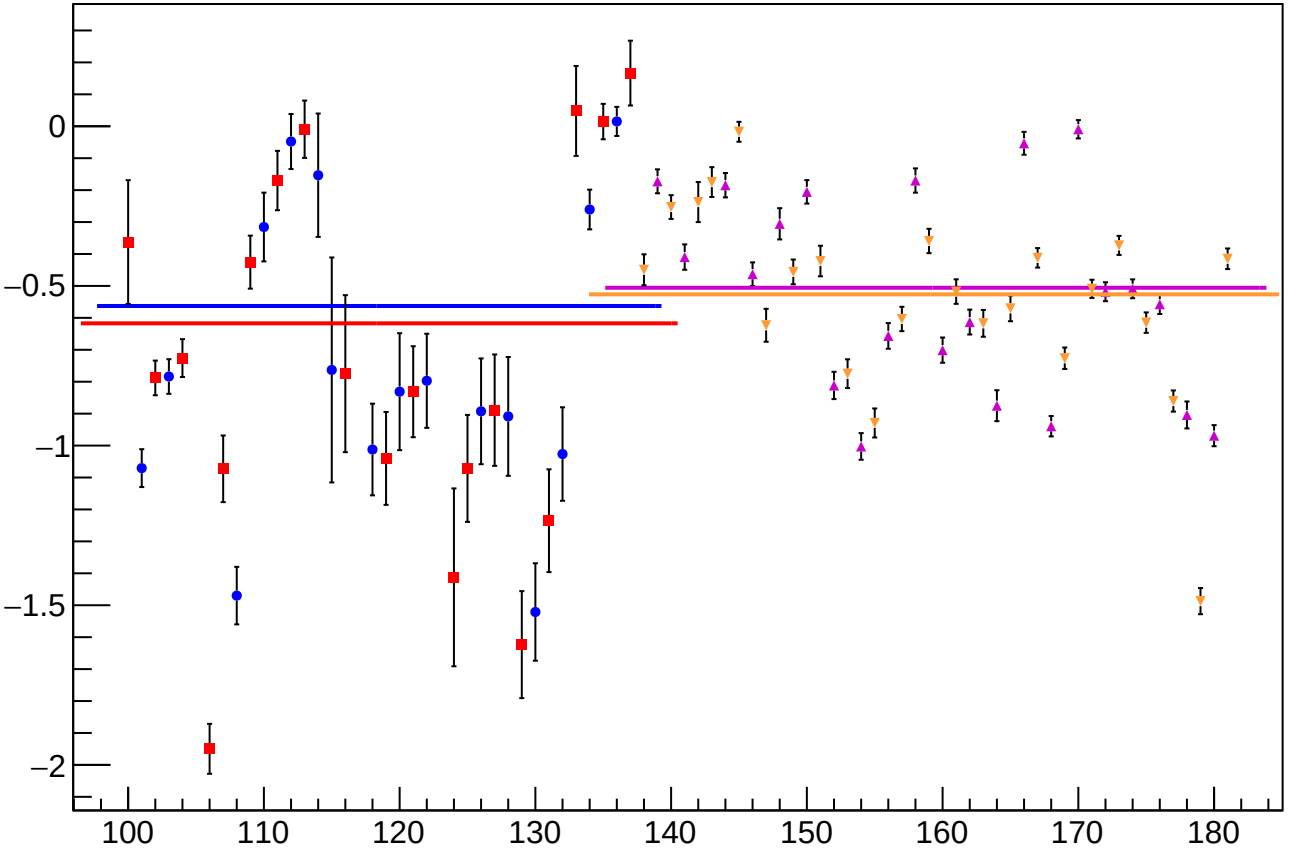
Left In: 72.784+/-0.179 χ^2/NDF:2766.3/20

+ sign 73.721+/-0.161 χ^2/NDF: 9746.3/38

All: 73.167+/-0.116 χ^2/NDF: 18173.0/78

- sign 72.586+/-0.165 χ^2/NDF: 8402.5/39

reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug



Right In: -0.563+/-0.022 χ^2/NDF: 493.0/15

Left Out: -0.526+/-0.008 χ^2/NDF:1294.9/22

Right Out: -0.617+/-0.022 χ^2/NDF: 690.0/18

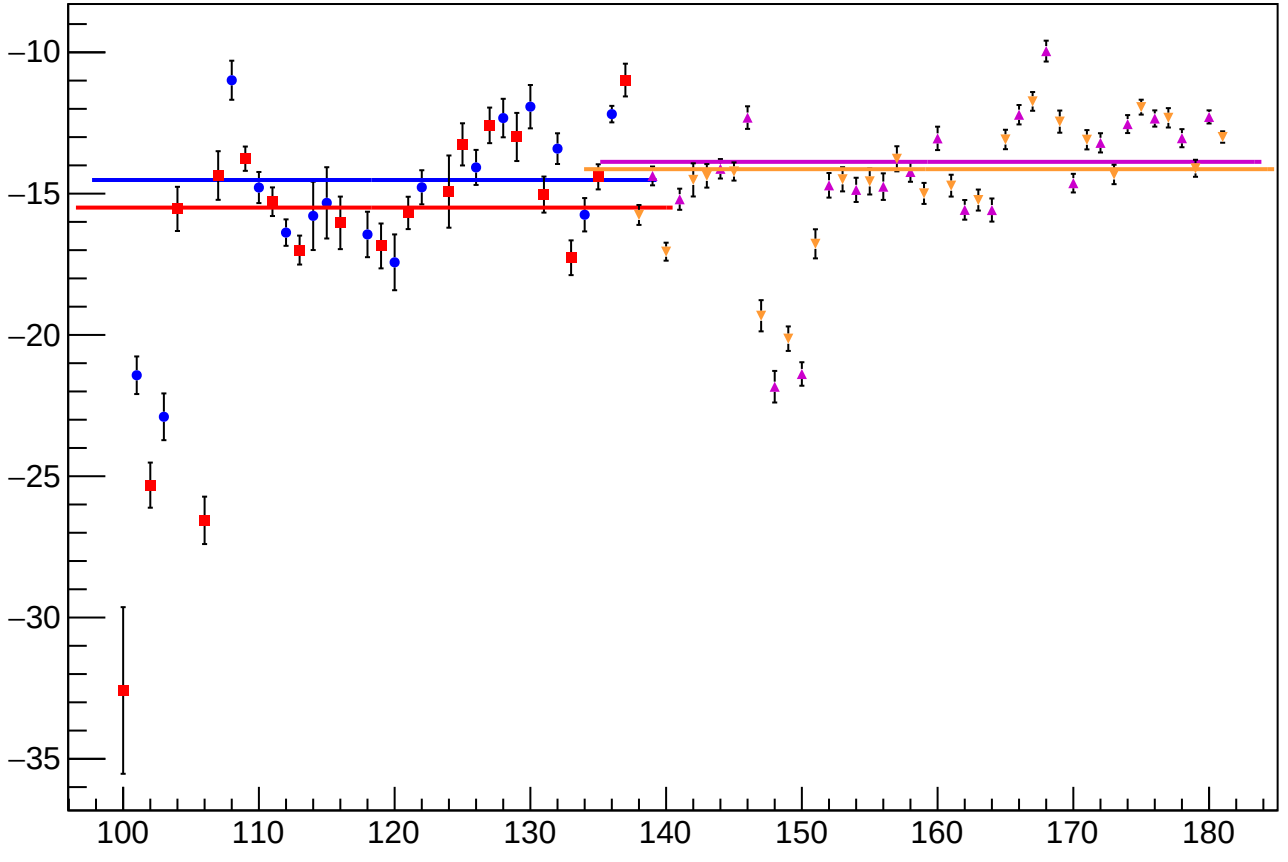
Left In: -0.506+/-0.008 χ^2/NDF:1547.7/20

+ sign -0.530+/-0.007 χ^2/NDF: 1790.3/38

All: -0.524+/-0.005 χ^2/NDF: 4051.7/78

- sign -0.518+/-0.007 χ^2/NDF: 2260.1/39

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: -14.135+/-0.074 χ^2/NDF:649.6/22

Right Out: -15.494+/-0.150 χ^2/NDF: 503.8/18

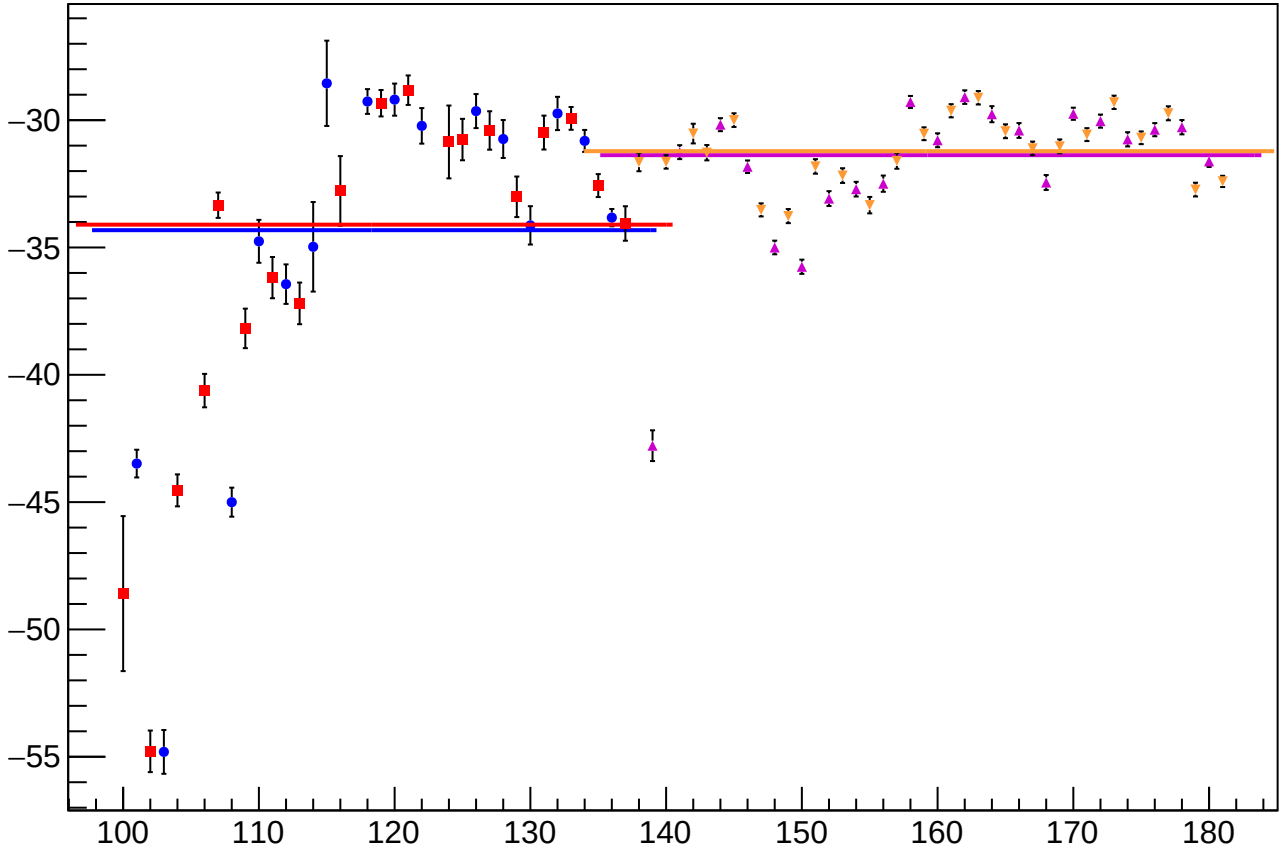
Left In: -13.875+/-0.077 χ^2/NDF:863.2/20

+ sign -14.209+/-0.066 χ^2/NDF: 1018.3/38

All: -14.212+/-0.048 χ^2/NDF: 2477.4/78

- sign -14.215+/-0.069 χ^2/NDF: 1459.1/39

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug



Right In: -34.321+/-0.153 χ^2/NDF: 1620.5/15

Left Out: -31.218+/-0.057 χ^2/NDF:522.9/22

Right Out: -34.104+/-0.154 χ^2/NDF: 1434.8/18

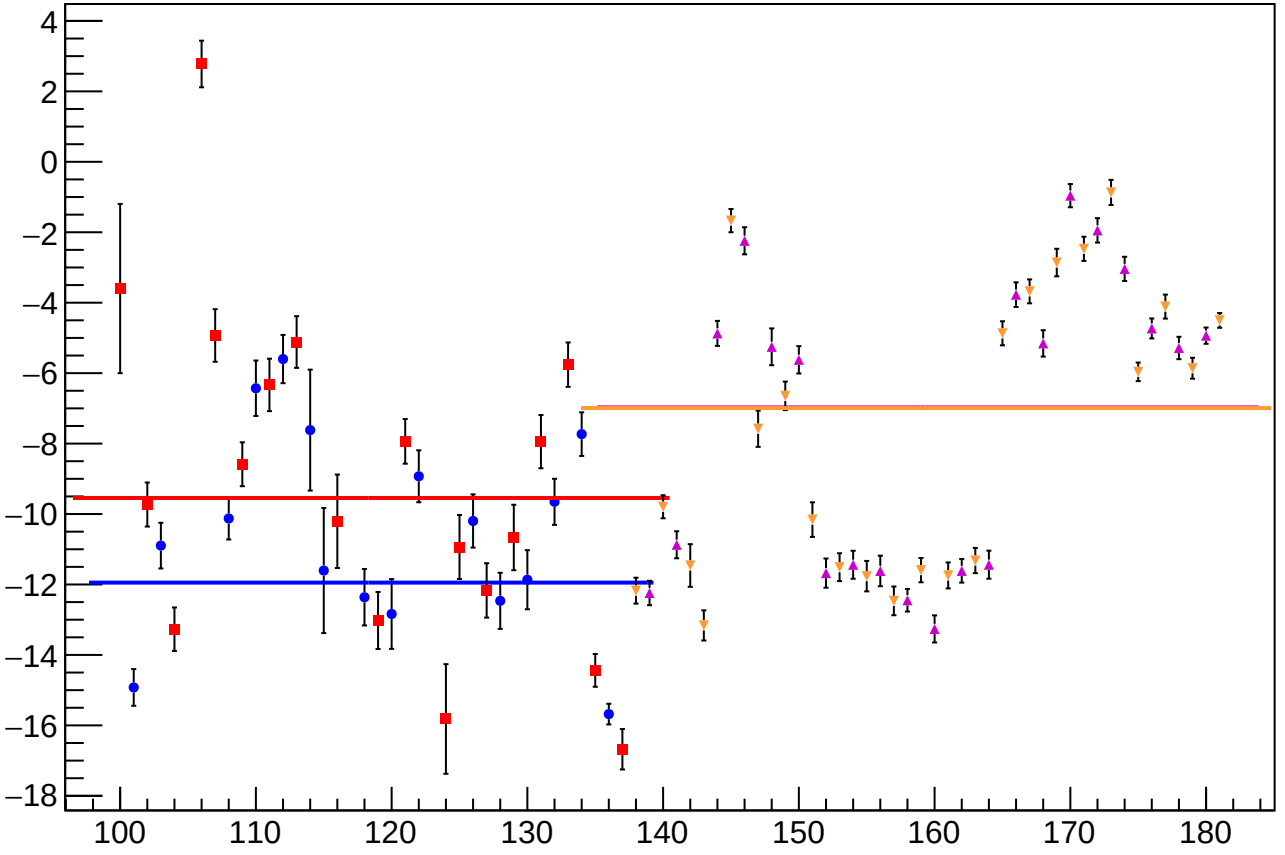
Left In: -31.374+/-0.060 χ^2/NDF:1192.4/20

+ sign -31.598+/-0.054 χ^2/NDF: 2503.1/38

All: -31.662+/-0.039 χ^2/NDF: 5405.8/78

- sign -31.732+/-0.056 χ^2/NDF: 2899.7/39

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: -6.992+/-0.073 χ^2/NDF:2717.2/22

Right Out: -9.544+/-0.165 χ^2/NDF: 847.1/18

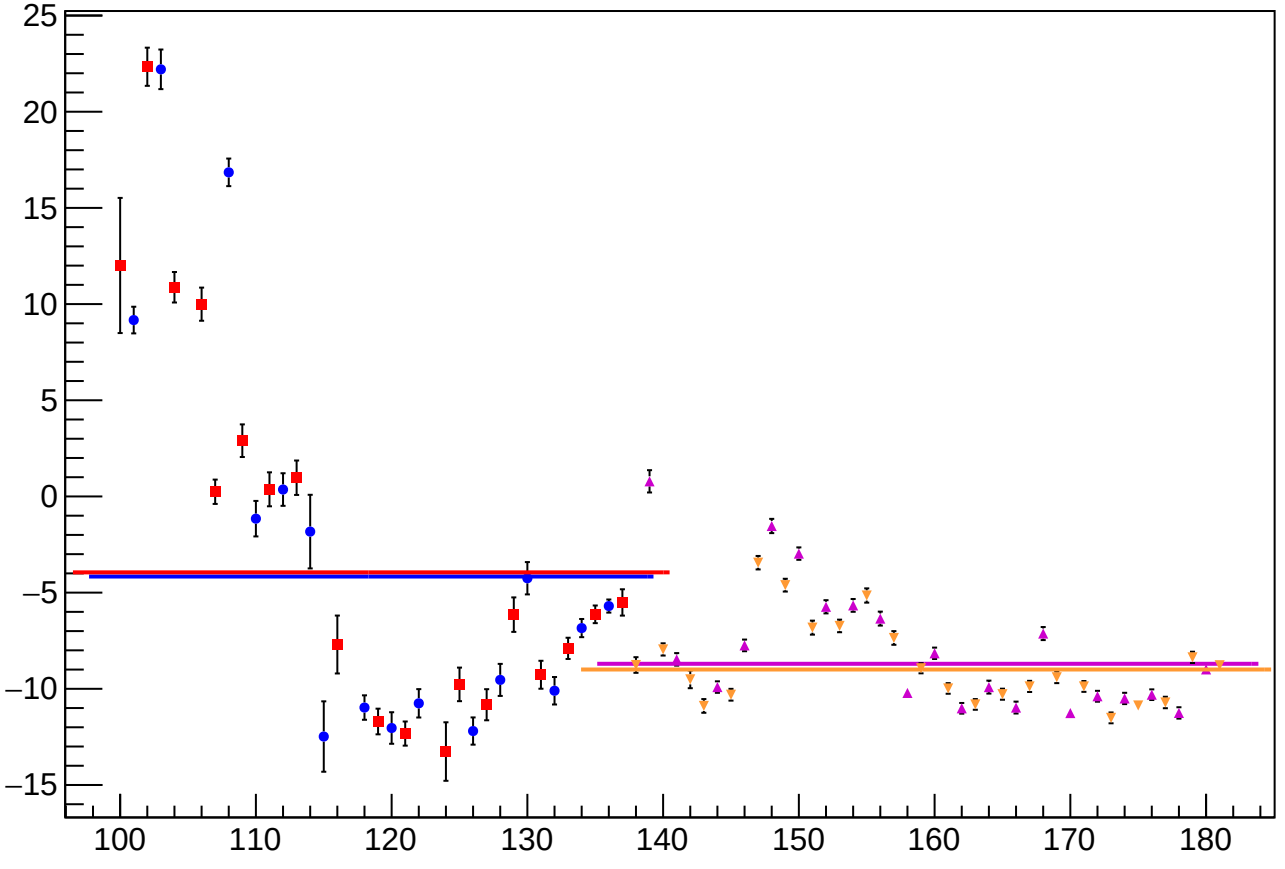
Left In: -6.972+/-0.076 χ^2/NDF:2740.4/20

+ sign -7.847+/-0.067 χ^2/NDF: 3939.3/38

All: -7.644+/-0.048 χ^2/NDF: 7745.9/78

- sign -7.424+/-0.069 χ^2/NDF: 3787.2/39

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: -8.997+/-0.064 χ^2/NDF:961.4/22

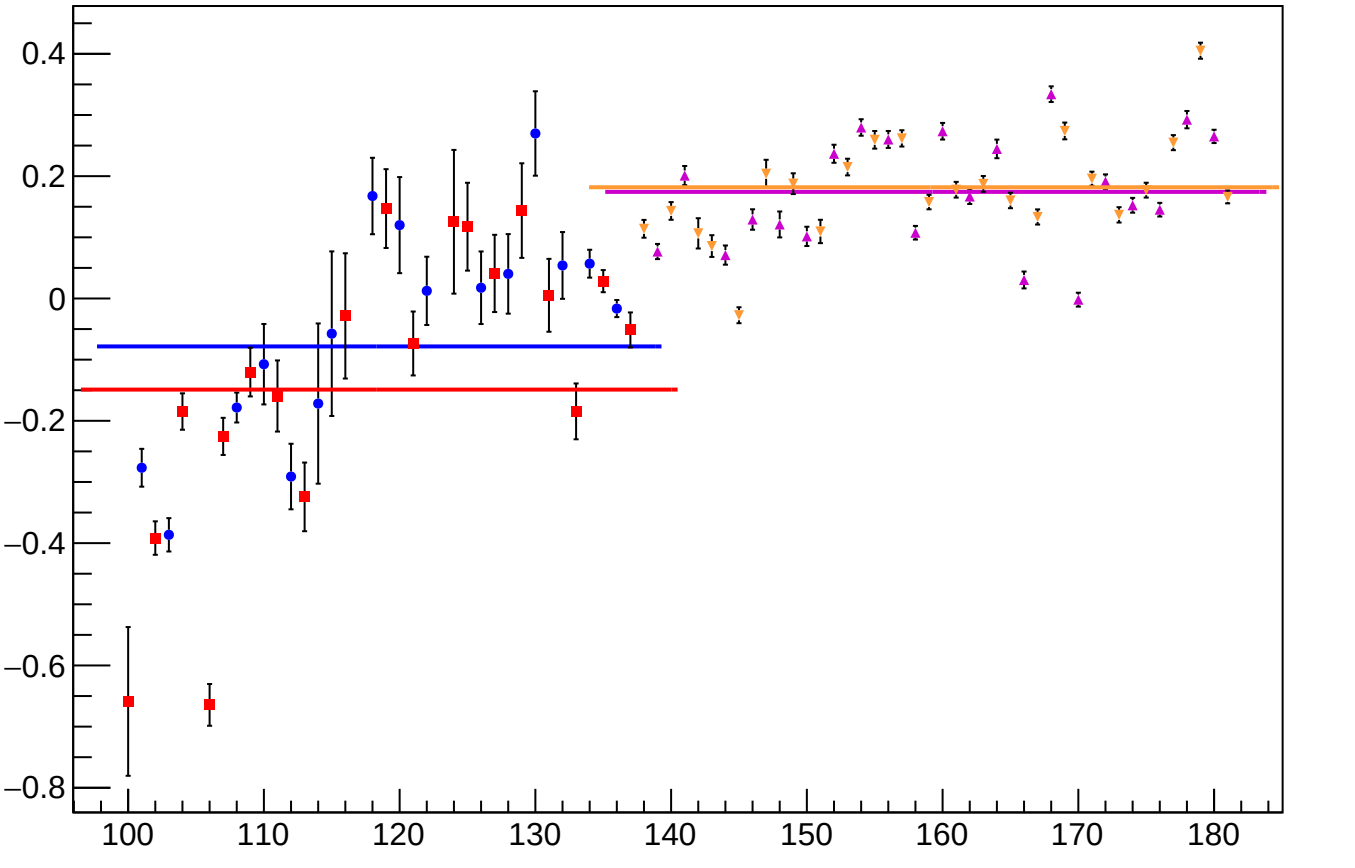
Right Out: -3.947+/-0.176 χ^2/NDF: 2110.2/18

Left In: -8.699+/-0.066 χ^2/NDF:1661.8/20

+ sign -8.409+/-0.060 χ^2/NDF: 4180.6/38

All: -8.263+/-0.043 χ^2/NDF: 8602.8/78

- sign -8.106+/-0.062 χ^2/NDF: 4410.0/39



Right In: -0.078+/-0.009 χ^2/NDF: 318.8/15

Left Out: 0.182+/-0.003 χ^2/NDF:819.8/22

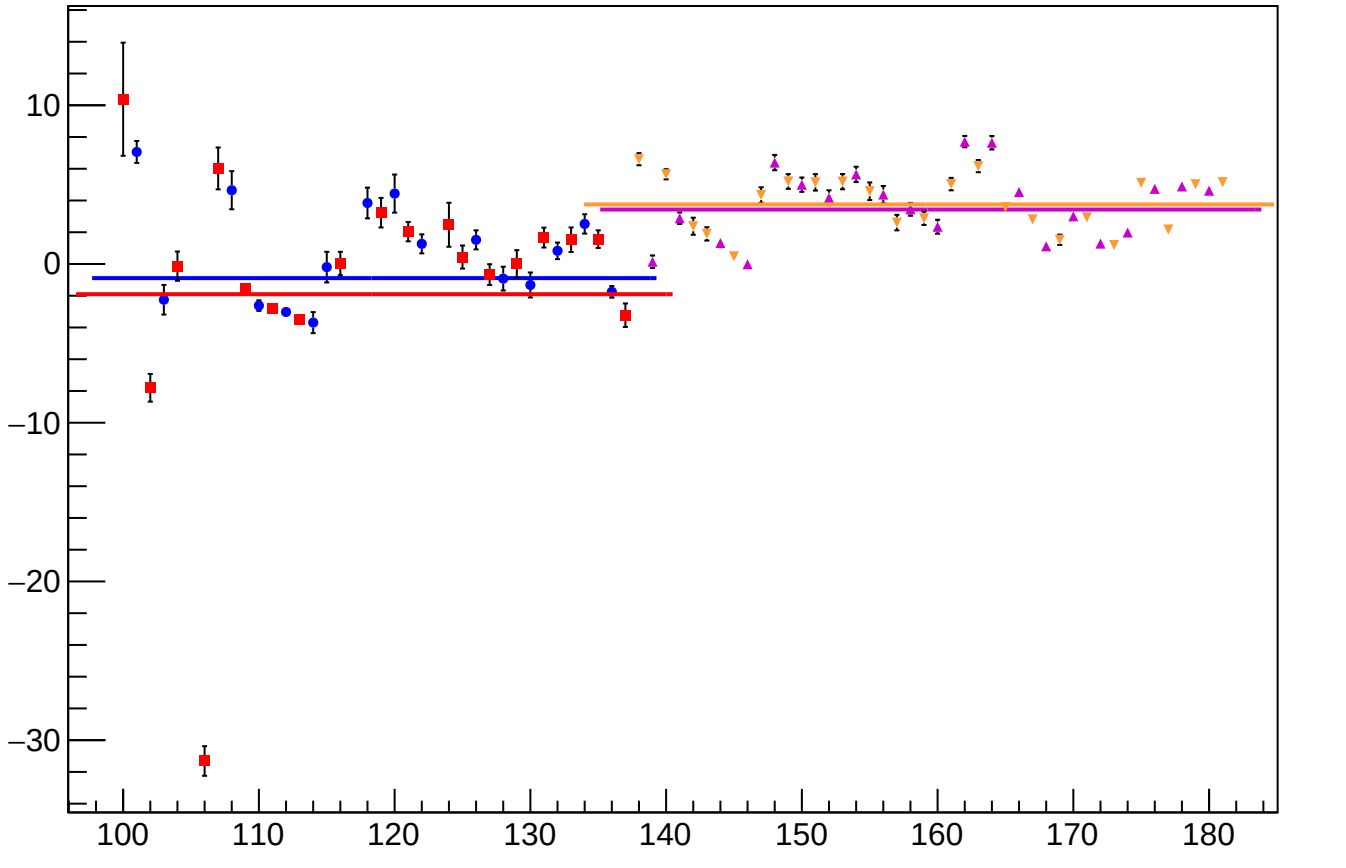
Right Out: -0.149+/-0.009 χ^2/NDF: 524.8/18

Left In: 0.174+/-0.003 χ^2/NDF:1026.1/20

+ sign 0.156+/-0.003 χ^2/NDF: 1969.0/38

All: 0.150+/-0.002 χ^2/NDF: 4680.2/78

- sign 0.144+/-0.003 χ^2/NDF: 2702.0/39



Right In: -0.889+/-0.137 χ^2/NDF: 380.3/15

Left Out: 3.752+/-0.066 χ^2/NDF:701.8/22

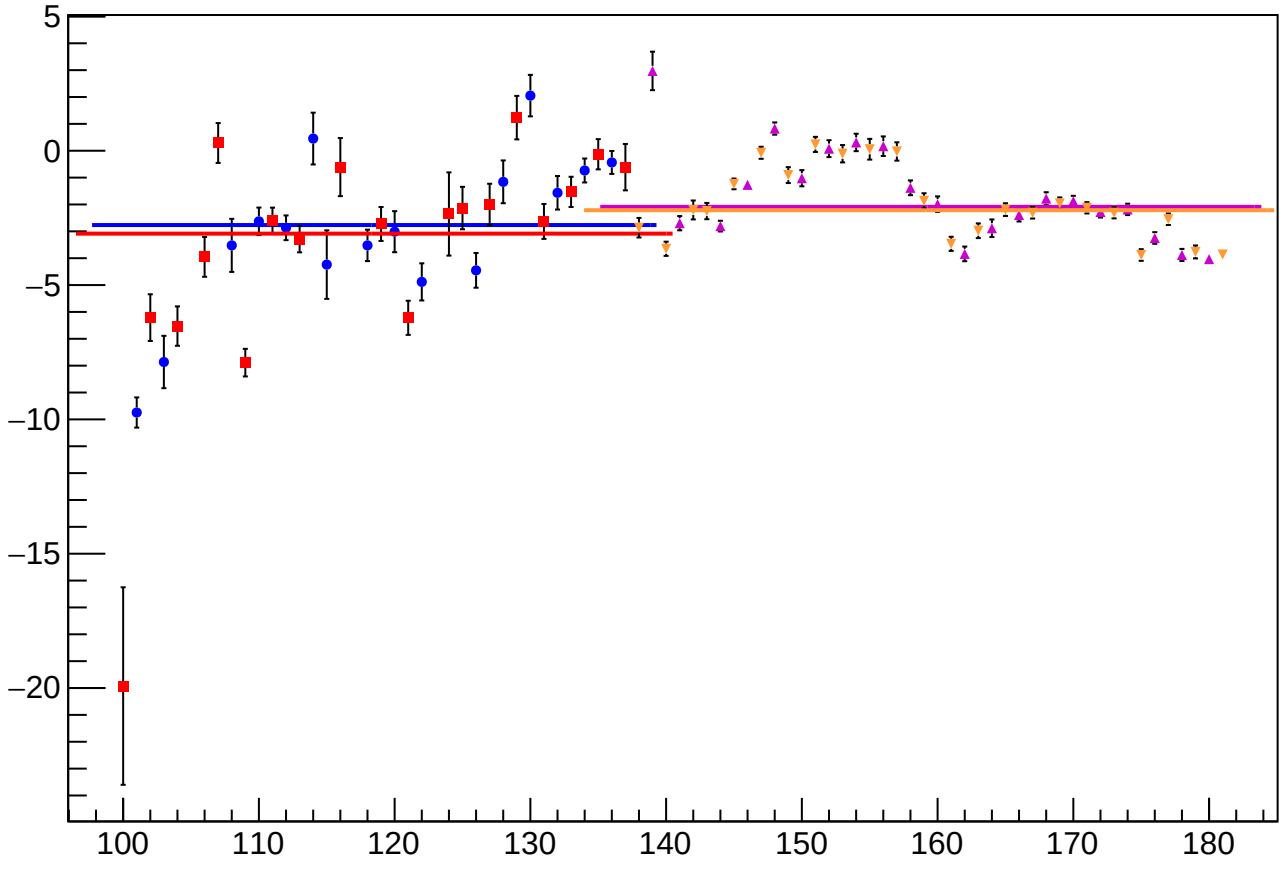
Right Out: -1.903+/-0.128 χ^2/NDF: 1331.8/18

Left In: 3.431+/-0.069 χ^2/NDF:856.5/20

+ sign 2.869+/-0.060 χ^2/NDF: 2016.9/38

All: 2.557+/-0.043 χ^2/NDF: 5599.6/78

- sign 2.231+/-0.061 χ^2/NDF: 3526.5/39



Right In: -2.766+/-0.156 χ^2/NDF: 310.1/15

Left Out: -2.214+/-0.052 χ^2/NDF:582.6/22

Right Out: -3.086+/-0.158 χ^2/NDF: 272.5/18

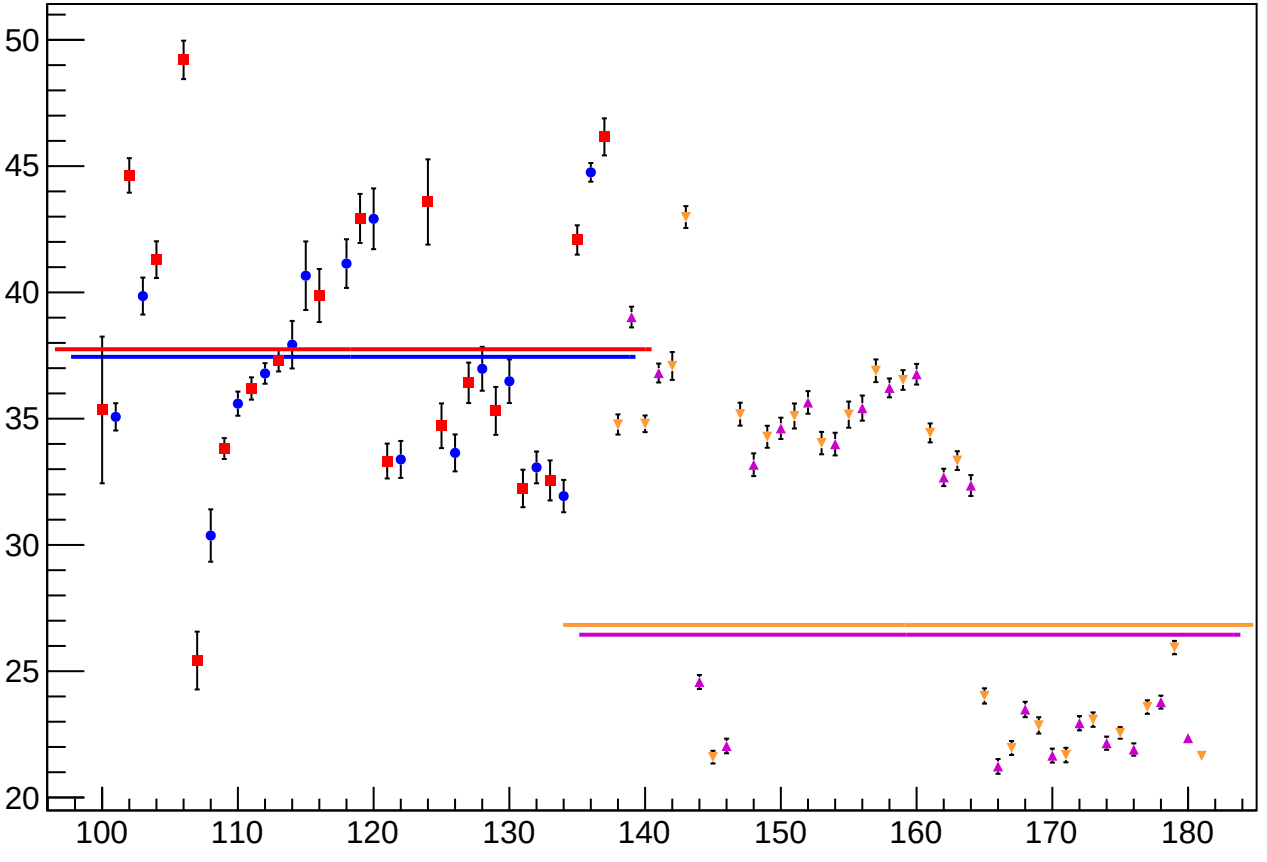
Left In: -2.089+/-0.053 χ^2/NDF:667.8/20

+ sign -2.269+/-0.049 χ^2/NDF: 903.9/38

All: -2.231+/-0.035 χ^2/NDF: 1881.4/78

- sign -2.191+/-0.050 χ^2/NDF: 976.2/39

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: 26.833+/-0.066 χ^2/NDF:8875.3/22

Right Out: 37.749+/-0.159 χ^2/NDF: 963.6/18

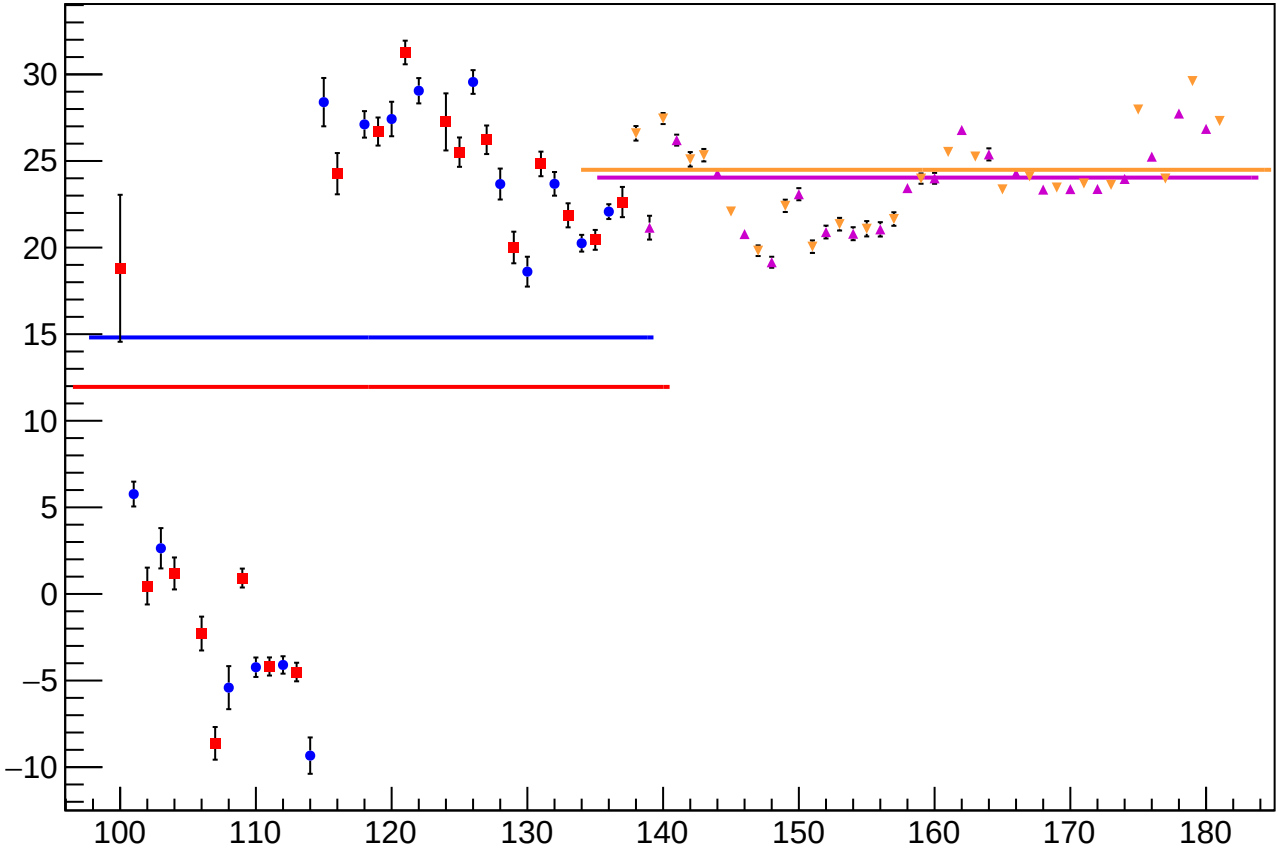
Left In: 26.445+/-0.069 χ^2/NDF:7505.9/20

\+ sign 28.377+/-0.061 χ^2/NDF: 13310.6/38

All: 28.300+/-0.044 χ^2/NDF: 26023.1/78

\- sign 28.218+/-0.063 χ^2/NDF: 12709.3/39

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: 24.491+/-0.058 χ^2/NDF:1757.0/22

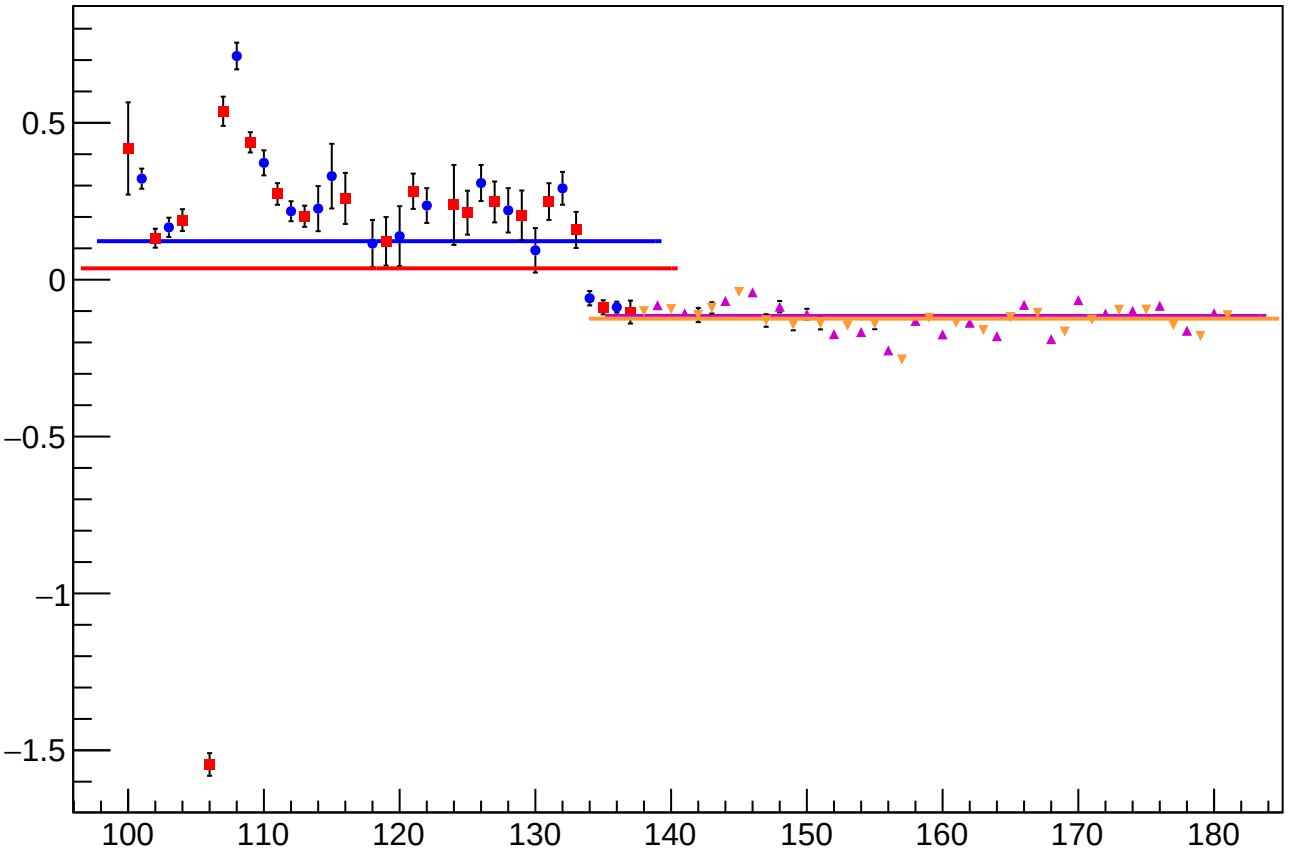
Right Out: 11.955+/-0.177 χ^2/NDF: 6105.5/18

Left In: 24.040+/-0.059 χ^2/NDF:1339.1/20

+ sign 23.520+/-0.055 χ^2/NDF: 10231.2/38

All: 23.175+/-0.039 χ^2/NDF: 21953.2/78

- sign 22.813+/-0.056 χ^2/NDF: 11641.2/39



Right In: 0.123+/-0.009 χ^2/NDF: 520.0/15

Left Out: -0.124+/-0.003 χ^2/NDF:234.9/22

Right Out: 0.036+/-0.010 χ^2/NDF: 2414.7/18

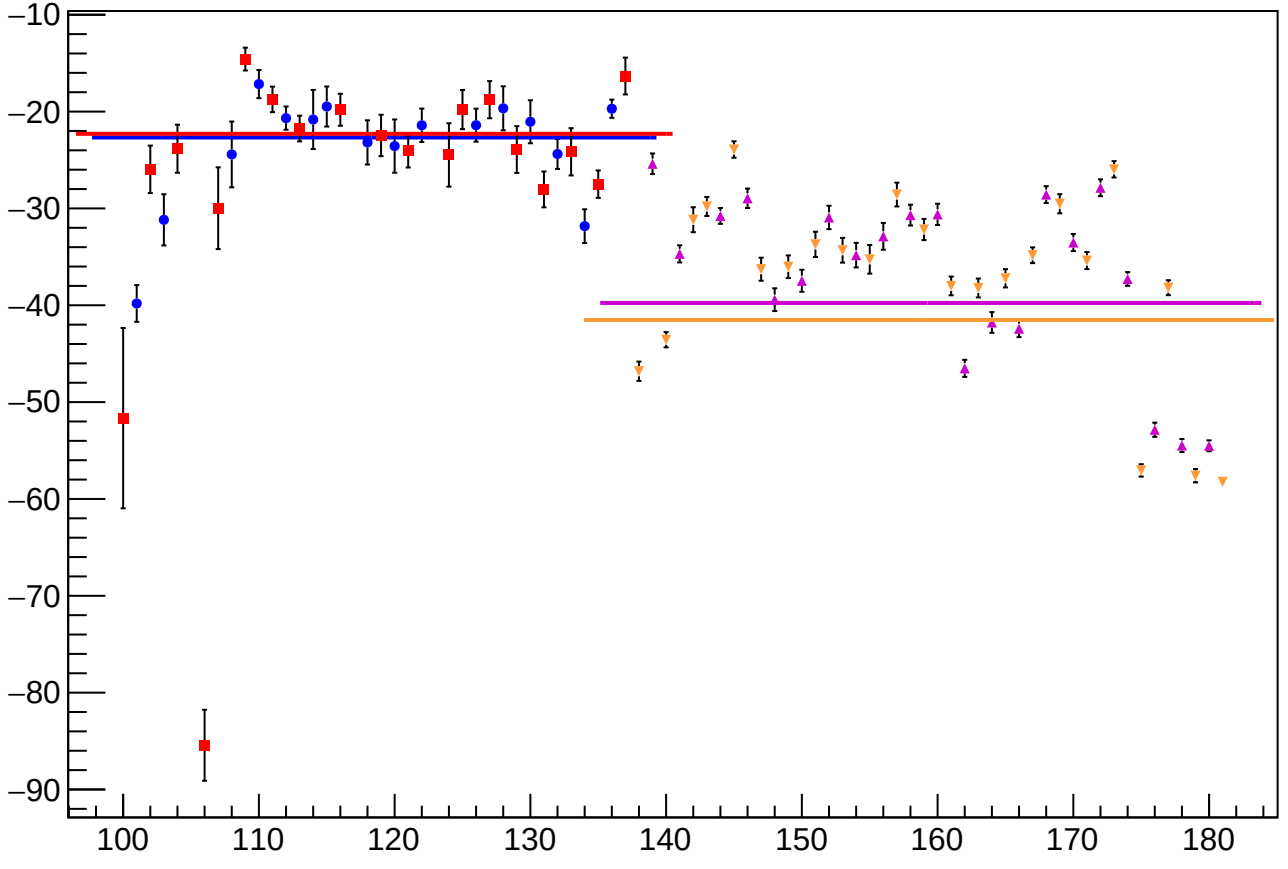
Left In: -0.116+/-0.003 χ^2/NDF:290.0/20

+ sign -0.107+/-0.003 χ^2/NDF: 1394.4/38

All: -0.106+/-0.002 χ^2/NDF: 4324.0/78

- sign -0.105+/-0.003 χ^2/NDF: 2929.5/39

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: -41.515+/-0.186 χ^2/NDF:3924.8/22

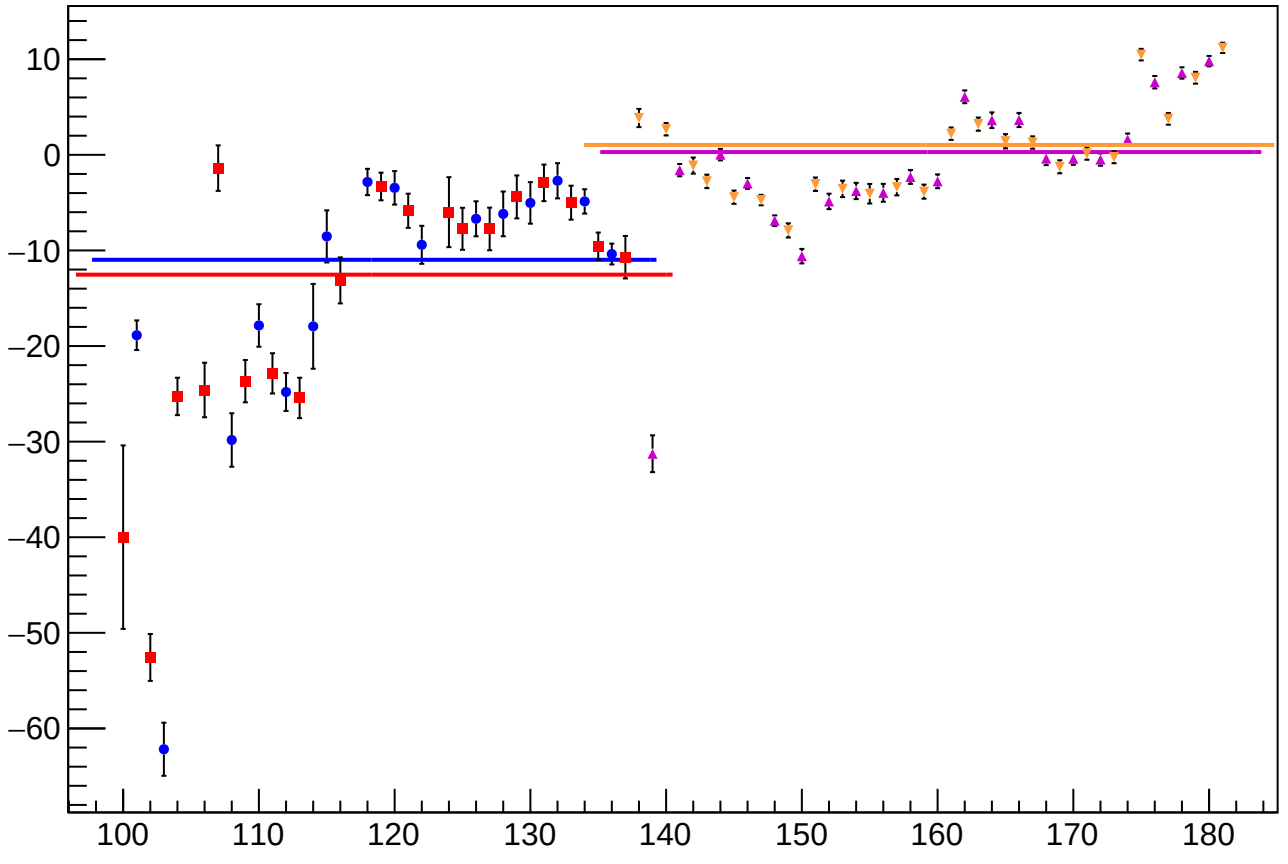
Right Out: -22.295+/-0.435 χ^2/NDF: 405.5/18

Left In: -39.760+/-0.195 χ^2/NDF:2655.2/20

+ sign -38.608+/-0.171 χ^2/NDF: 5669.0/38

All: -37.759+/-0.123 χ^2/NDF: 10122.3/78

- sign -36.834+/-0.178 χ^2/NDF: 4401.6/39



Right In: -10.978+/-0.453 χ^2/NDF: 587.3/15

Left Out: 1.035+/-0.143 χ^2/NDF:1303.3/22

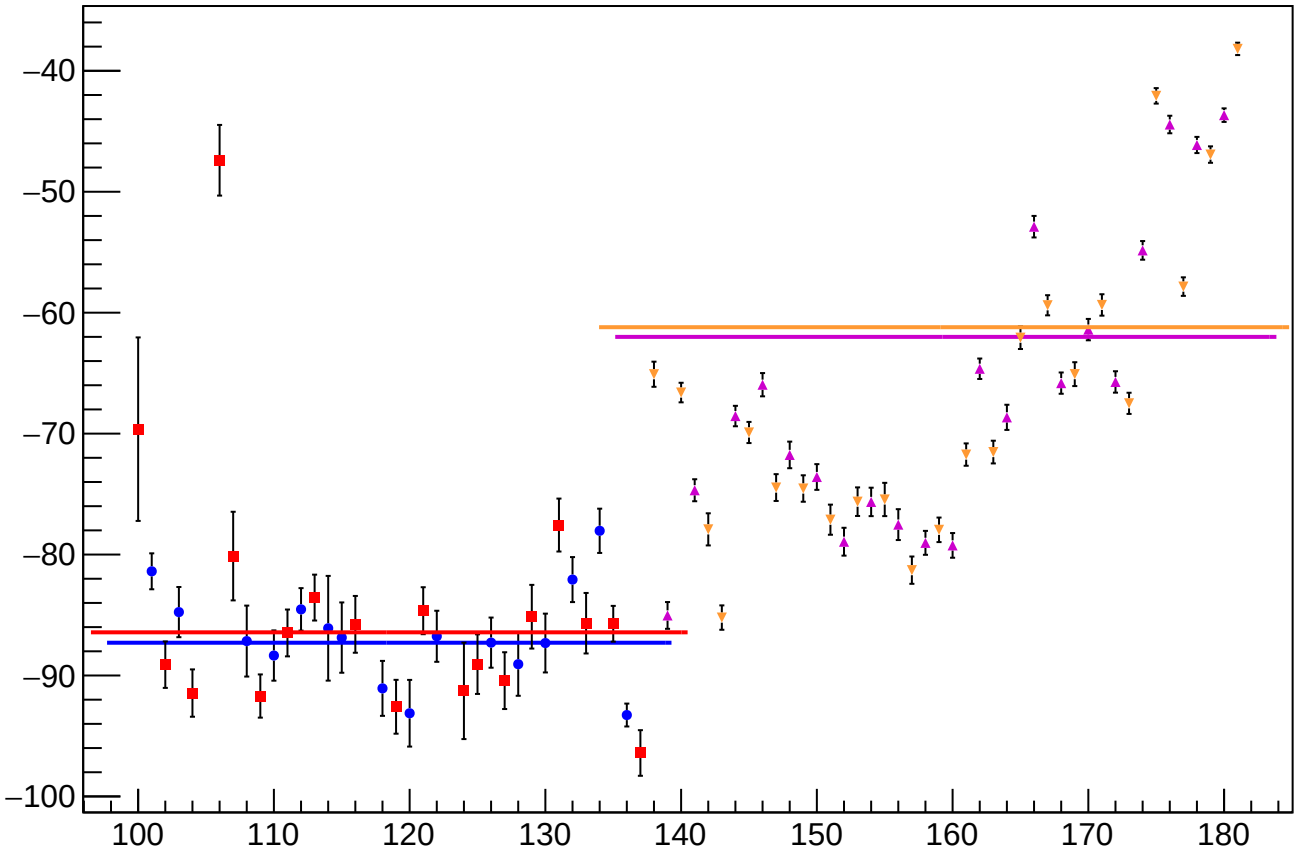
Right Out: -12.533+/-0.481 χ^2/NDF: 572.3/18

Left In: 0.291+/-0.149 χ^2/NDF:1546.4/20

\+ sign -0.058+/-0.137 χ^2/NDF: 2529.0/38

All: -0.430+/-0.099 χ^2/NDF: 5311.3/78

\- sign -0.832+/-0.142 χ^2/NDF: 2767.0/39



Right In: -87.291+/-0.481 χ^2/NDF: 101.2/15

Left Out: -61.200+/-0.185 χ^2/NDF:5878.6/22

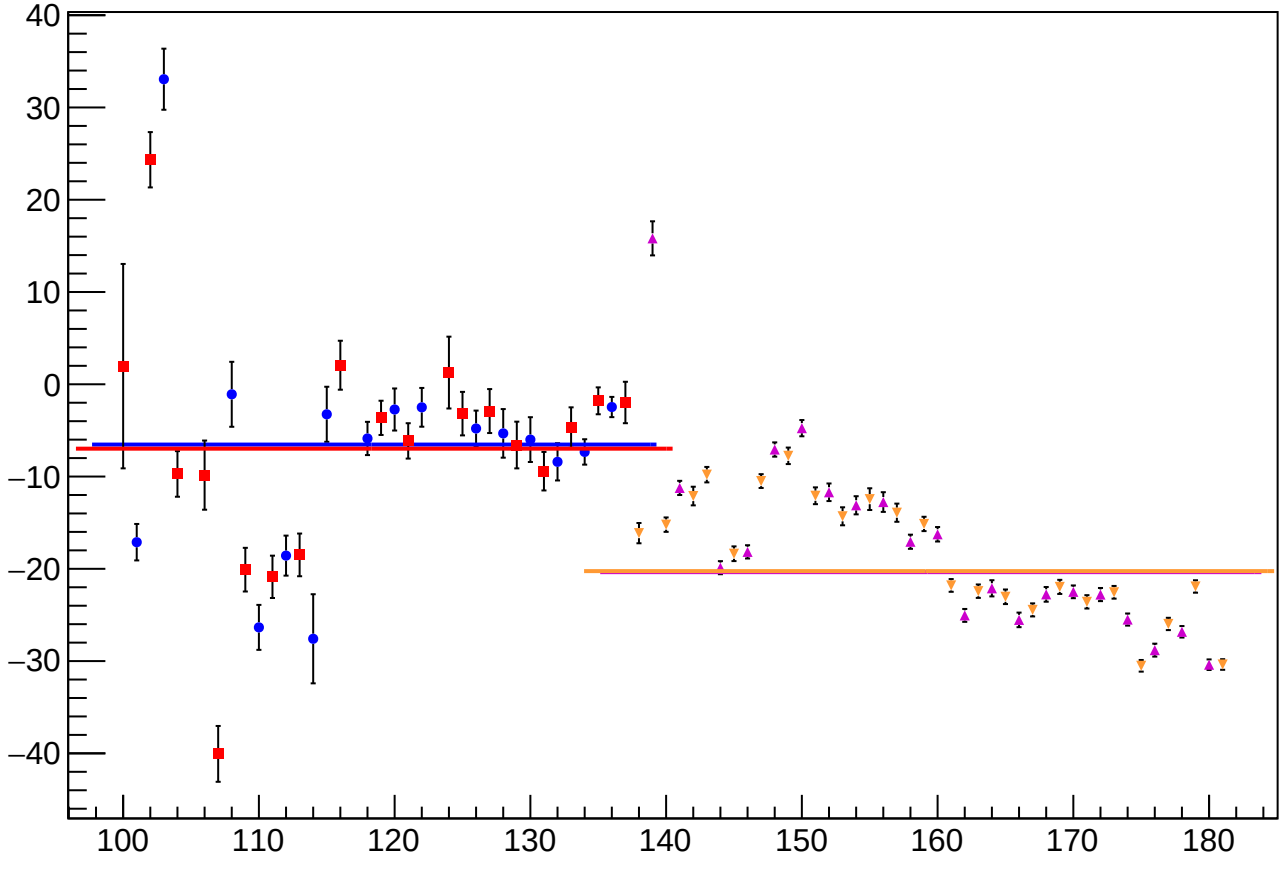
Right Out: -86.431+/-0.506 χ^2/NDF: 264.8/18

Left In: -62.001+/-0.193 χ^2/NDF:4479.2/20

+ sign -64.569+/-0.173 χ^2/NDF: 8546.6/38

All: -64.830+/-0.125 χ^2/NDF: 15329.7/78

- sign -65.117+/-0.181 χ^2/NDF: 6778.3/39



Right In: -6.535+/-0.508 χ^2/NDF: 313.9/15

Left Out: -20.250+/-0.161 χ^2/NDF:1645.7/22

Right Out: -6.979+/-0.542 χ^2/NDF: 368.3/18

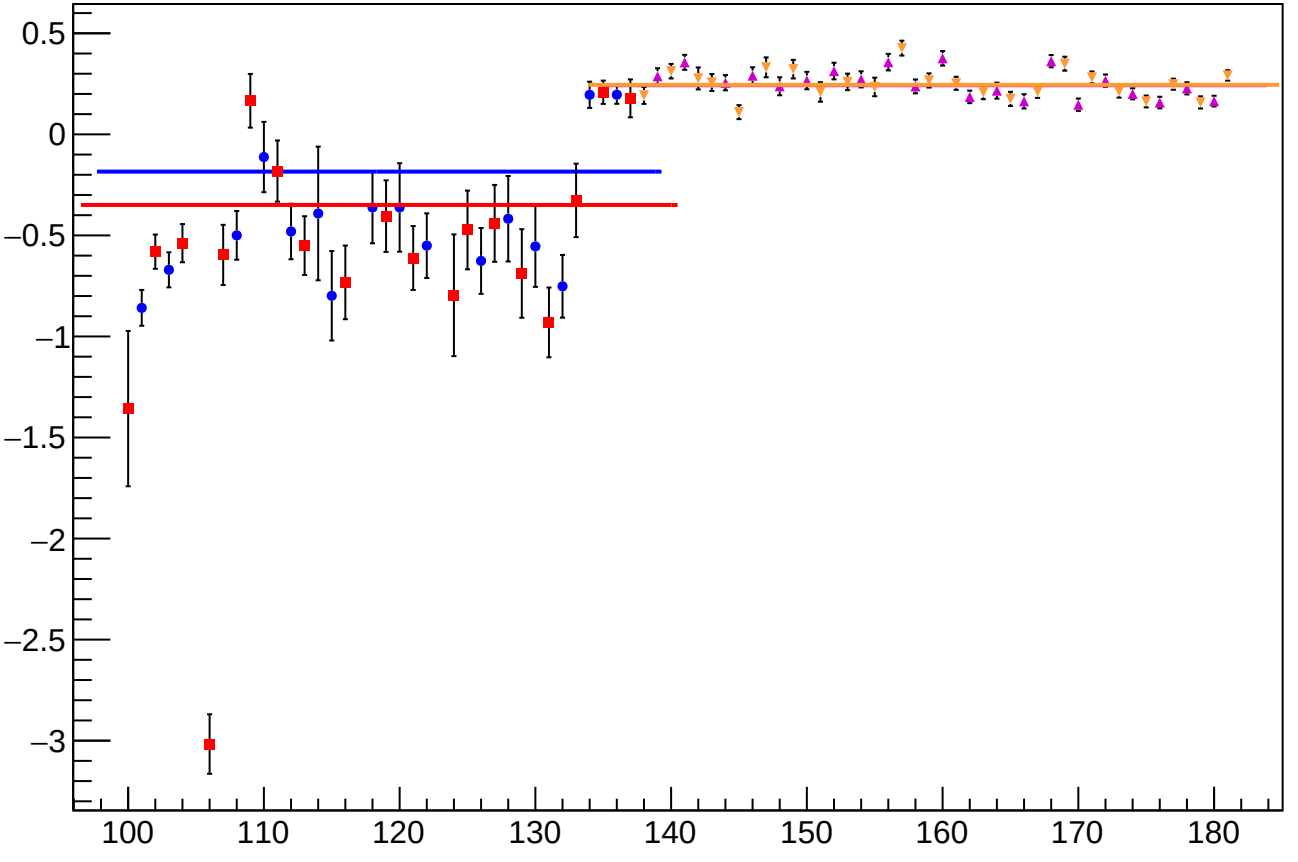
Left In: -20.362+/-0.167 χ^2/NDF:2120.3/20

\+ sign -18.993+/-0.154 χ^2/NDF: 2621.9/38

All: -19.091+/-0.111 χ^2/NDF: 5668.7/78

\- sign -19.197+/-0.160 χ^2/NDF: 3045.9/39

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: 0.245+/-0.007 χ^2/NDF:89.6/22

Right Out: -0.349+/-0.029 χ^2/NDF: 516.5/18

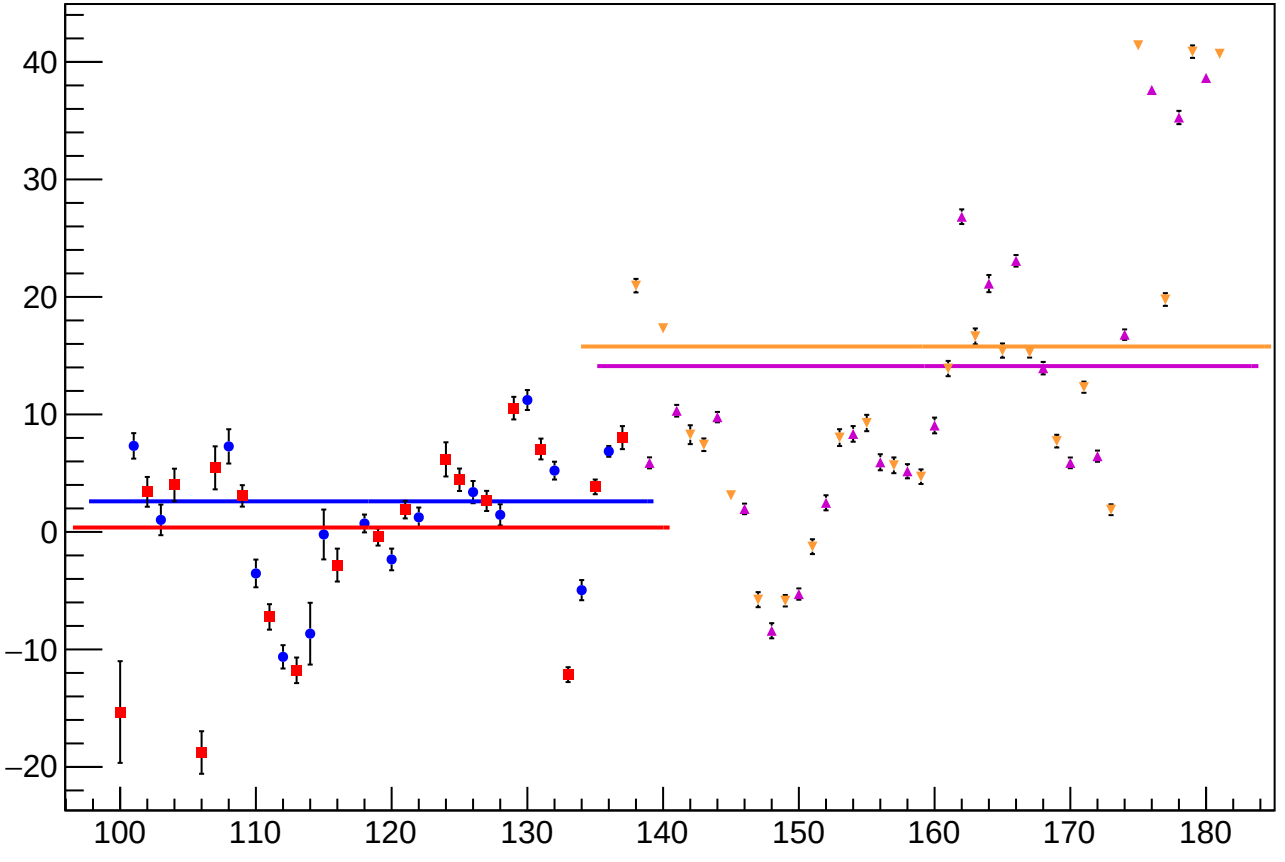
Left In: 0.243+/-0.007 χ^2/NDF:92.4/20

+ sign 0.215+/-0.007 χ^2/NDF: 576.4/38

All: 0.211+/-0.005 χ^2/NDF: 1569.5/78

- sign 0.207+/-0.007 χ^2/NDF: 992.5/39

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: 15.782+/-0.109 χ^2/NDF:18889.2/22

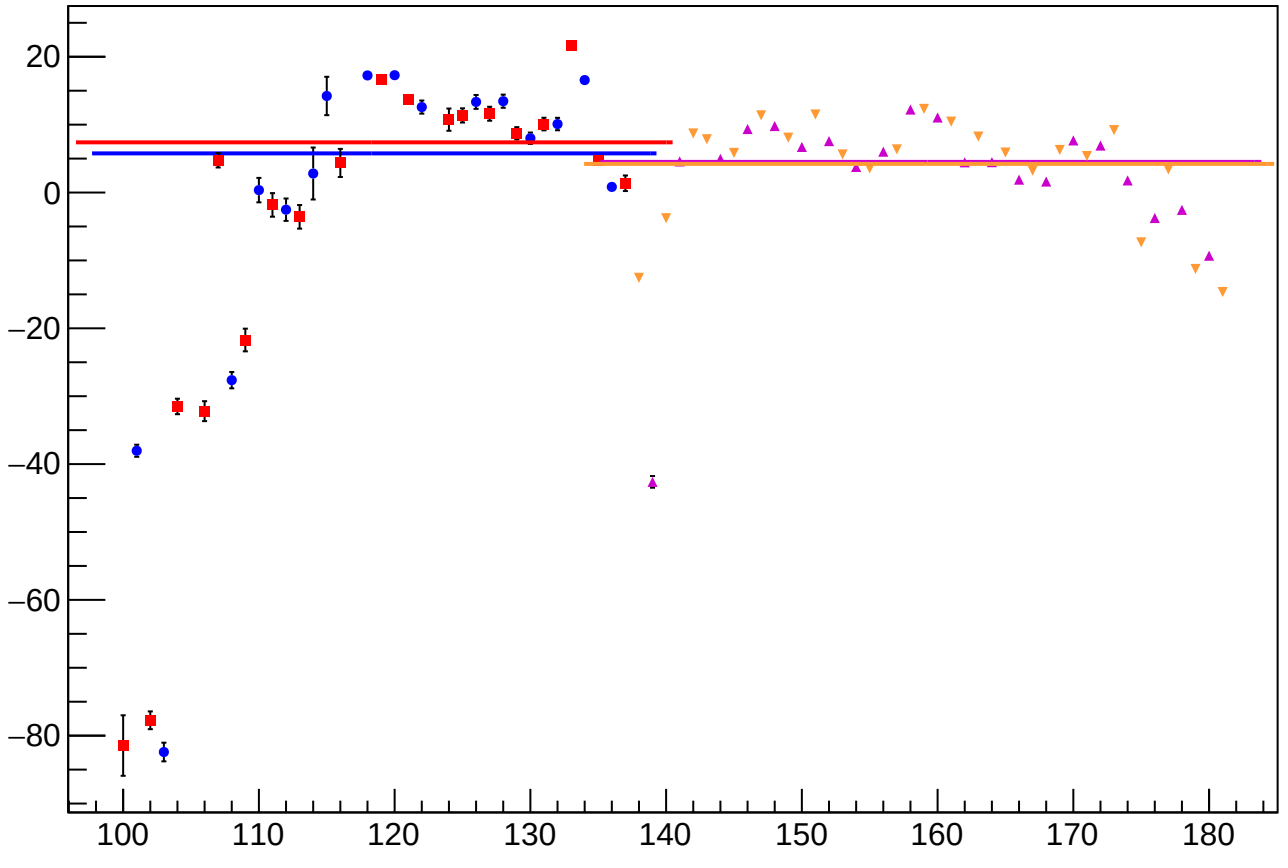
Right Out: 0.377+/-0.222 χ^2/NDF: 1030.9/18

Left In: 14.113+/-0.113 χ^2/NDF:14479.4/20

+ sign 13.270+/-0.098 χ^2/NDF: 22261.1/38

All: 12.310+/-0.070 χ^2/NDF: 41005.6/78

- sign 11.294+/-0.101 χ^2/NDF: 18546.3/39



Right In: 5.768+/-0.210 χ^2/NDF: 8933.8/15

Left Out: 4.219+/-0.082 χ^2/NDF:8155.8/22

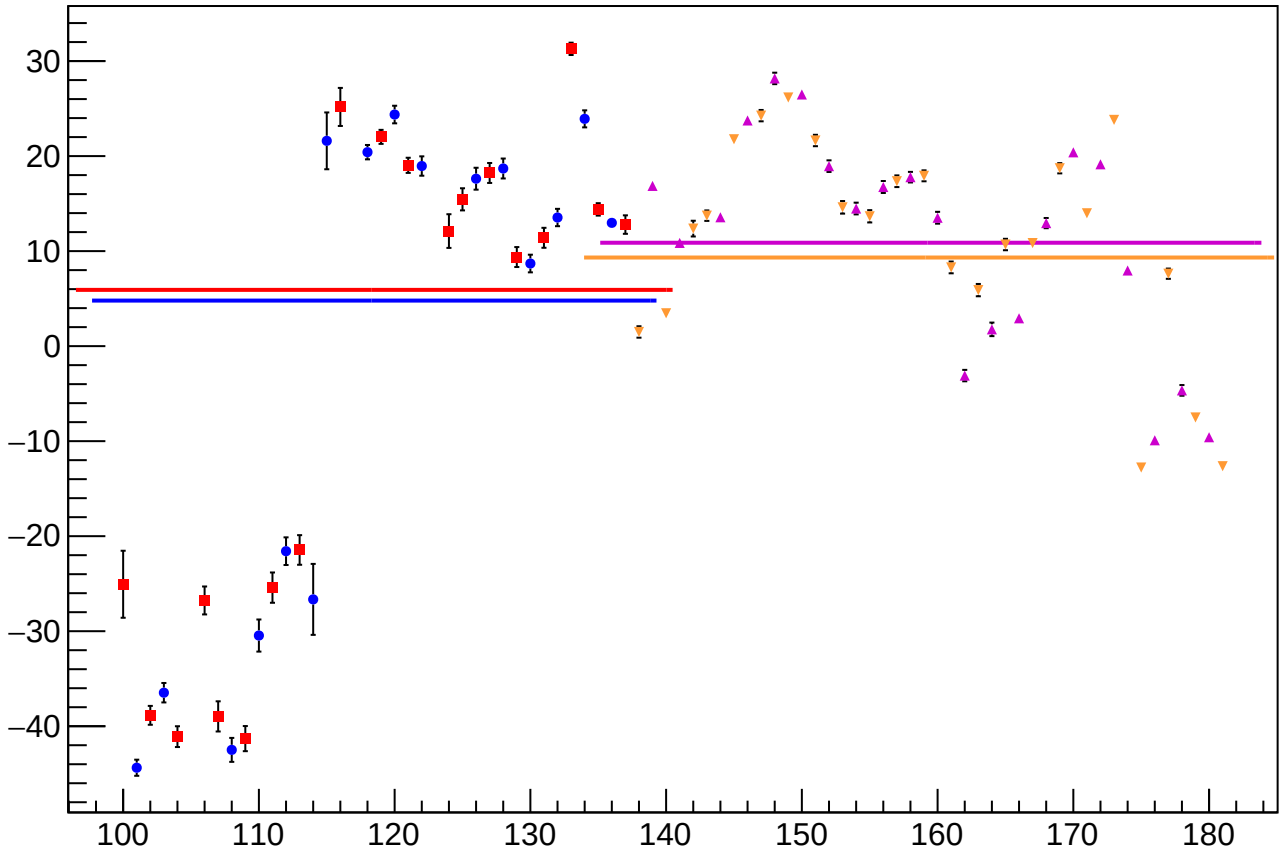
Right Out: 7.393+/-0.209 χ^2/NDF: 8390.6/18

Left In: 4.514+/-0.085 χ^2/NDF:6514.1/20

+ sign 4.426+/-0.077 χ^2/NDF: 17136.9/38

All: 4.669+/-0.055 χ^2/NDF: 32225.3/78

- sign 4.927+/-0.079 χ^2/NDF: 15067.7/39



Right In: 4.794+/-0.237 χ^2/NDF: 9496.9/15

Left Out: 9.326+/-0.108 χ^2/NDF:13578.0/22

Right Out: 5.921+/-0.240 χ^2/NDF: 10059.4/18

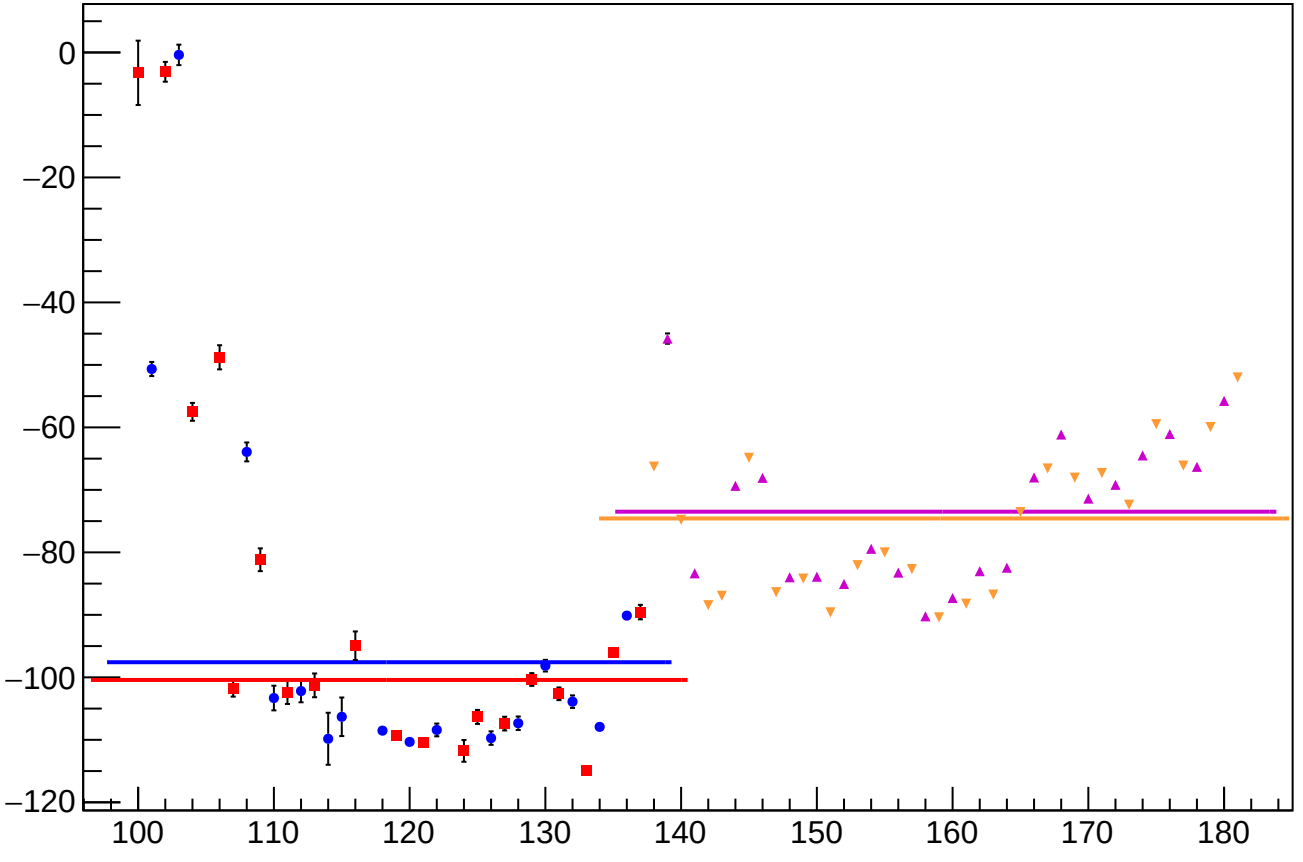
Left In: 10.881+/-0.112 χ^2/NDF:11120.0/20

+ sign 8.548+/-0.098 χ^2/NDF: 23376.7/38

All: 9.252+/-0.071 χ^2/NDF: 45012.9/78

- sign 9.997+/-0.101 χ^2/NDF: 21530.7/39

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs Slug



Right In: -97.581+/-0.242 χ^2/NDF: 7144.2/15

Left Out: -74.575+/-0.093 χ^2/NDF:14671.9/22

Right Out: -100.418+/-0.241 χ^2/NDF: 7115.7/18

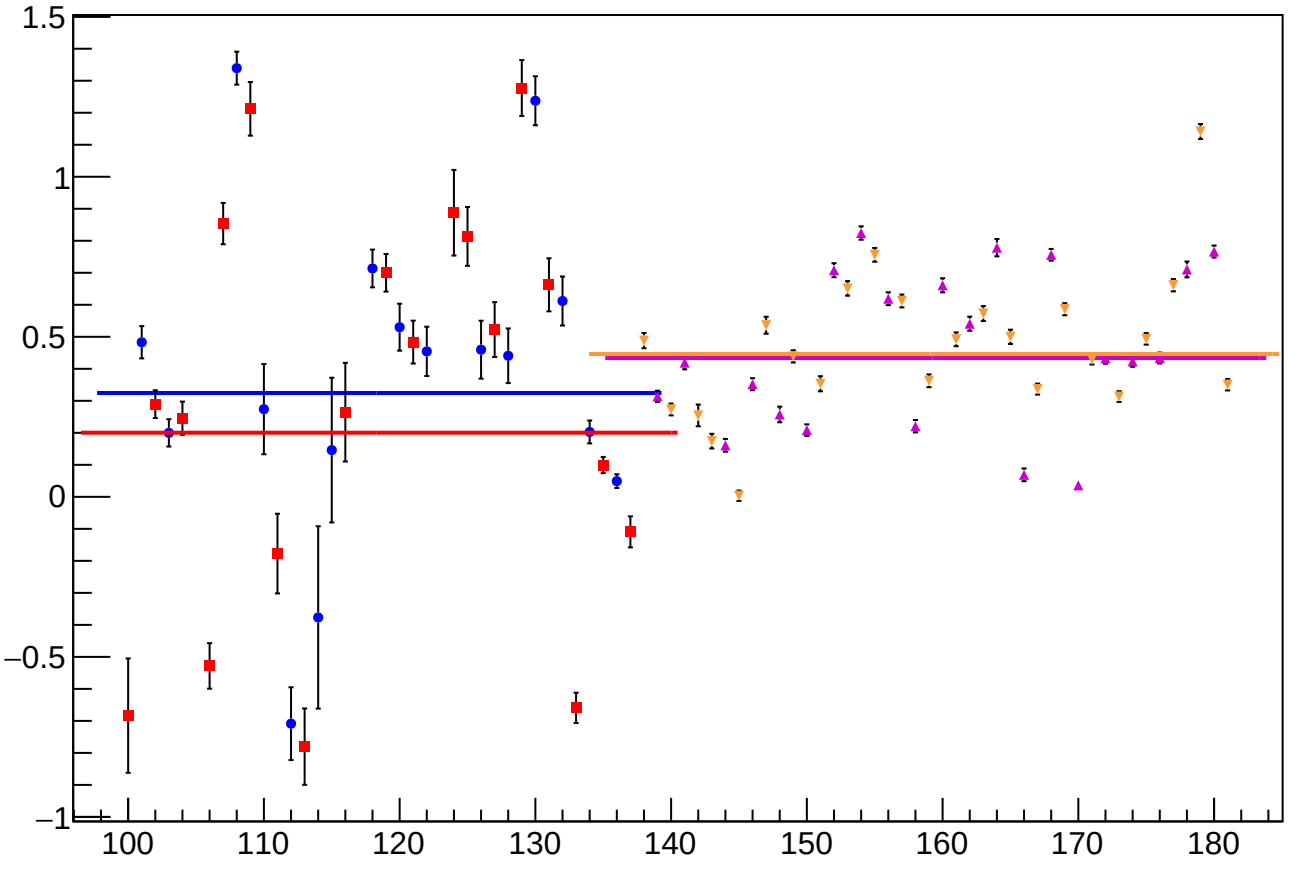
Left In: -73.491+/-0.096 χ^2/NDF:11691.7/20

+ sign -77.567+/-0.087 χ^2/NDF: 29698.4/38

All: -77.394+/-0.062 χ^2/NDF: 59275.1/78

- sign -77.211+/-0.090 χ^2/NDF: 29568.6/39

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.324+/-0.013 χ^2/NDF: 886.5/15

Left Out: 0.446+/-0.004 χ^2/NDF:2649.5/22

Right Out: 0.200+/-0.014 χ^2/NDF: 1206.3/18

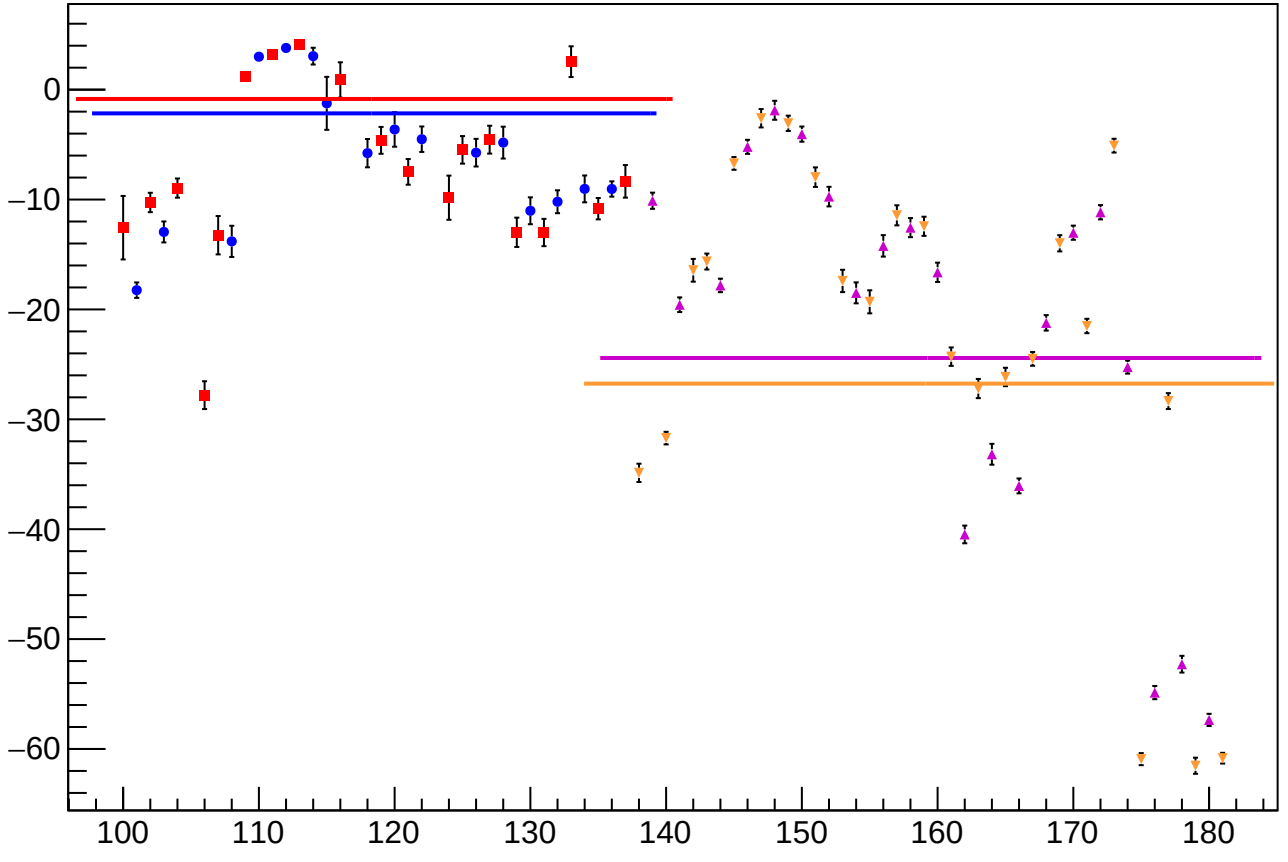
Left In: 0.434+/-0.004 χ^2/NDF:3181.3/20

+ sign 0.435+/-0.004 χ^2/NDF: 3612.3/38

All: 0.424+/-0.003 χ^2/NDF: 8273.5/78

- sign 0.413+/-0.004 χ^2/NDF: 4646.8/39

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug



Right In: -2.159+/-0.192 χ^2/NDF: 1491.0/15

Left Out: -26.751+/-0.151 χ^2/NDF:17375.3/22

Right Out: -0.848+/-0.170 χ^2/NDF: 1465.4/18

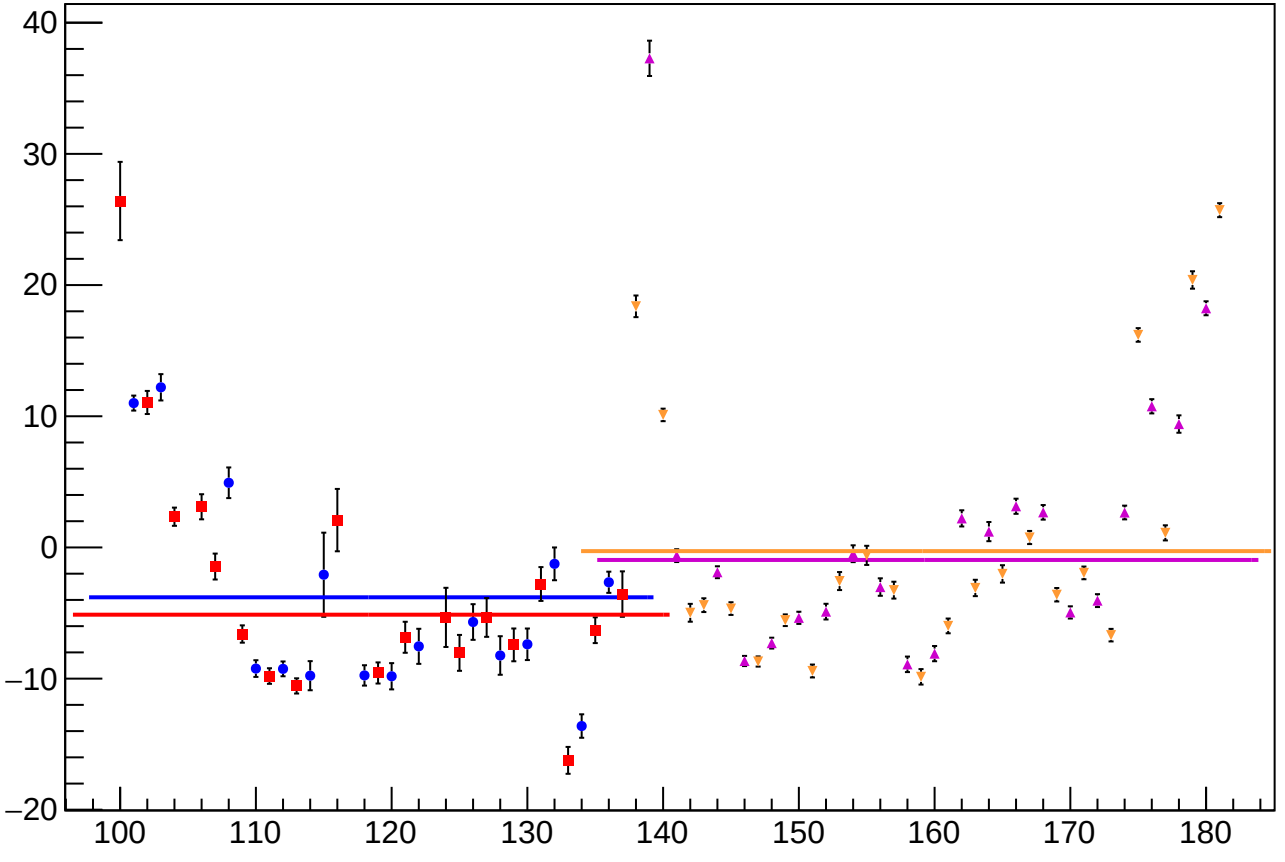
Left In: -24.419+/-0.157 χ^2/NDF:12631.3/20

+ sign -17.384+/-0.118 χ^2/NDF: 29024.6/38

All: -15.454+/-0.083 χ^2/NDF: 54011.1/78

- sign -13.627+/-0.115 χ^2/NDF: 24470.1/39

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug



Right In: -3.800+/-0.226 χ^2/NDF: 1425.5/15

Left Out: -0.280+/-0.113 χ^2/NDF:7151.3/22

Right Out: -5.126+/-0.219 χ^2/NDF: 980.6/18

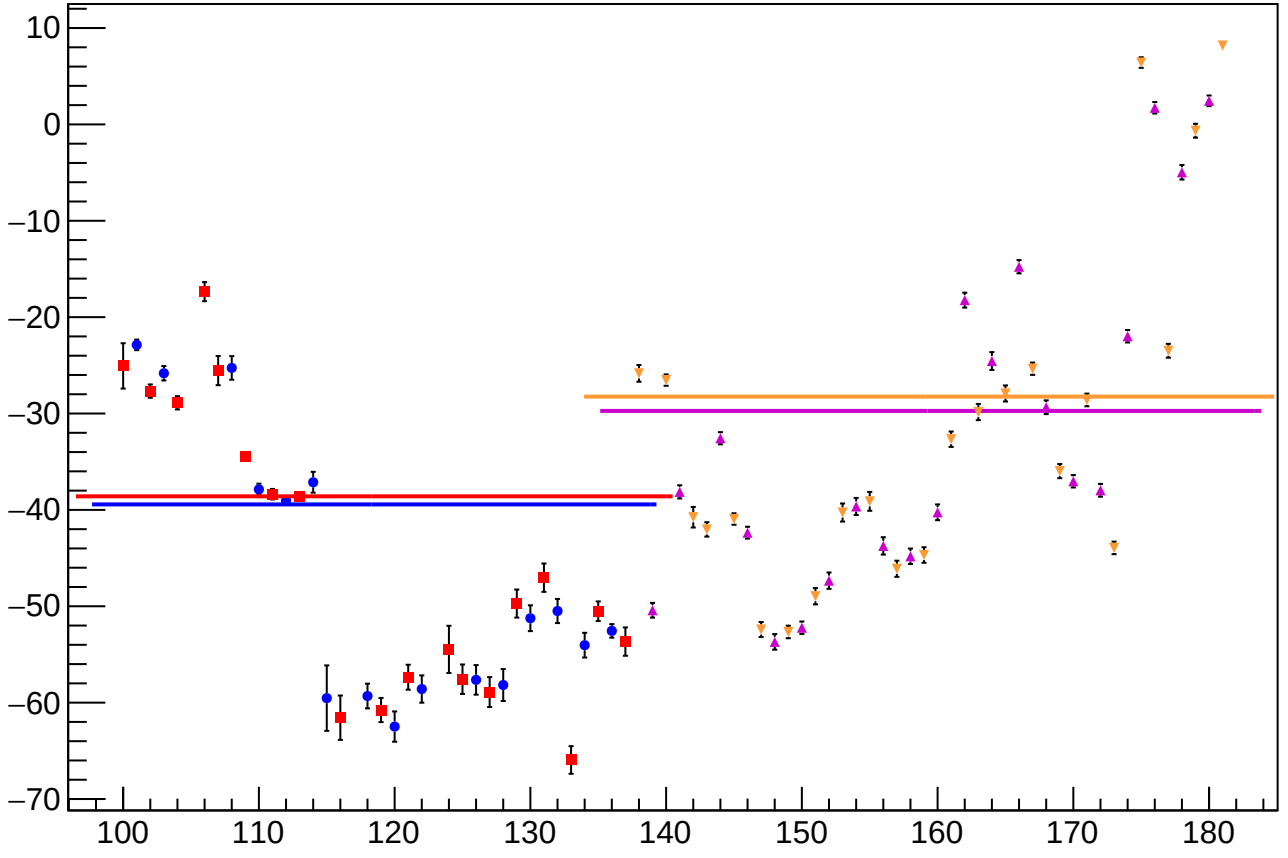
Left In: -0.954+/-0.118 χ^2/NDF:4209.5/20

+ sign -0.989+/-0.101 χ^2/NDF: 8771.1/38

All: -1.429+/-0.072 χ^2/NDF: 14282.0/78

- sign -1.889+/-0.104 χ^2/NDF: 5472.3/39

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug



Right In: -39.431+/-0.225 χ^2/NDF: 2958.1/15

Left Out: -28.246+/-0.150 χ^2/NDF:16466.4/22

Right Out: -38.593+/-0.213 χ^2/NDF: 2772.1/18

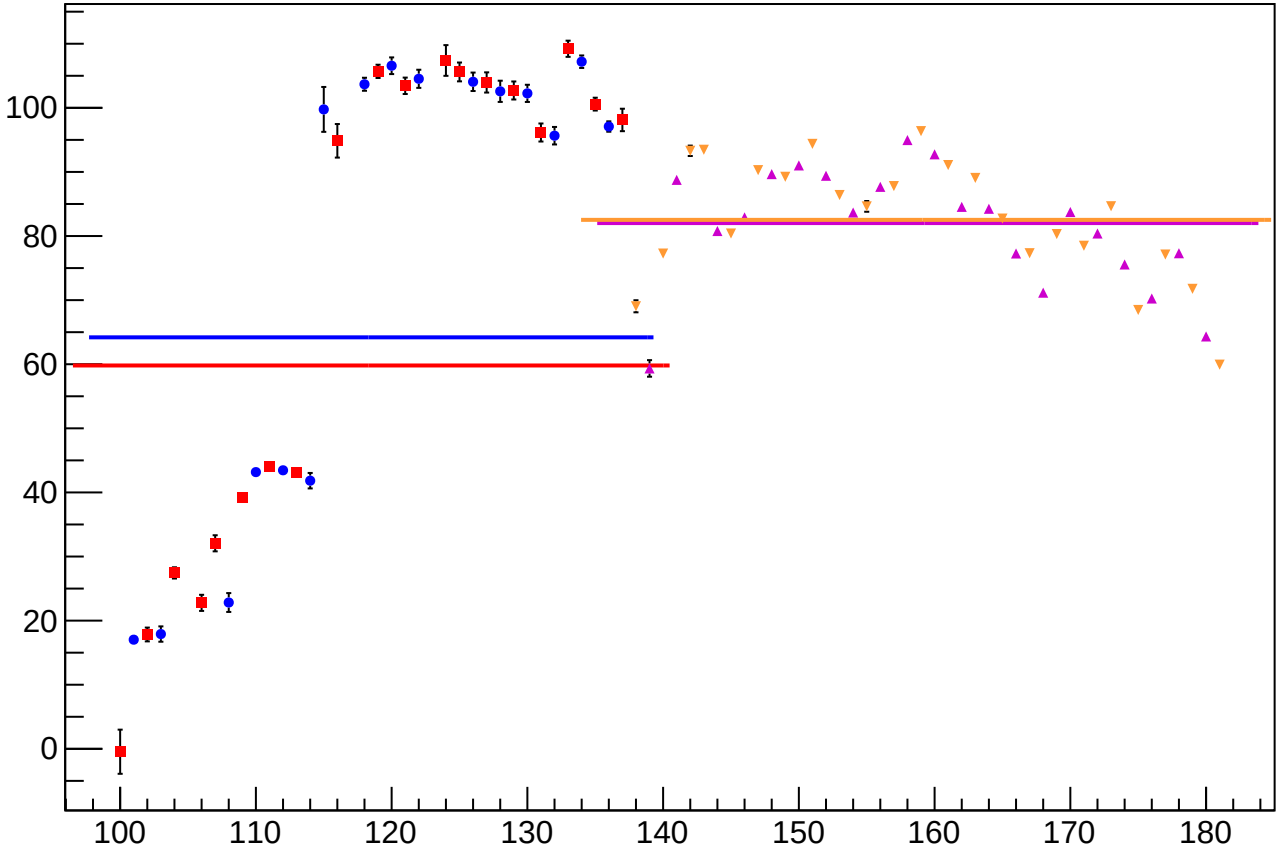
Left In: -29.729+/-0.155 χ^2/NDF:13154.3/20

+ sign -31.668+/-0.125 χ^2/NDF: 21133.0/38

All: -32.234+/-0.088 χ^2/NDF: 38236.5/78

- sign -32.804+/-0.125 χ^2/NDF: 17062.1/39

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug



Right In: 64.196+/-0.258 χ^2/NDF: 18596.4/15

Left Out: 82.523+/-0.129 χ^2/NDF:5133.4/22

Right Out: 59.805+/-0.249 χ^2/NDF: 17431.2/18

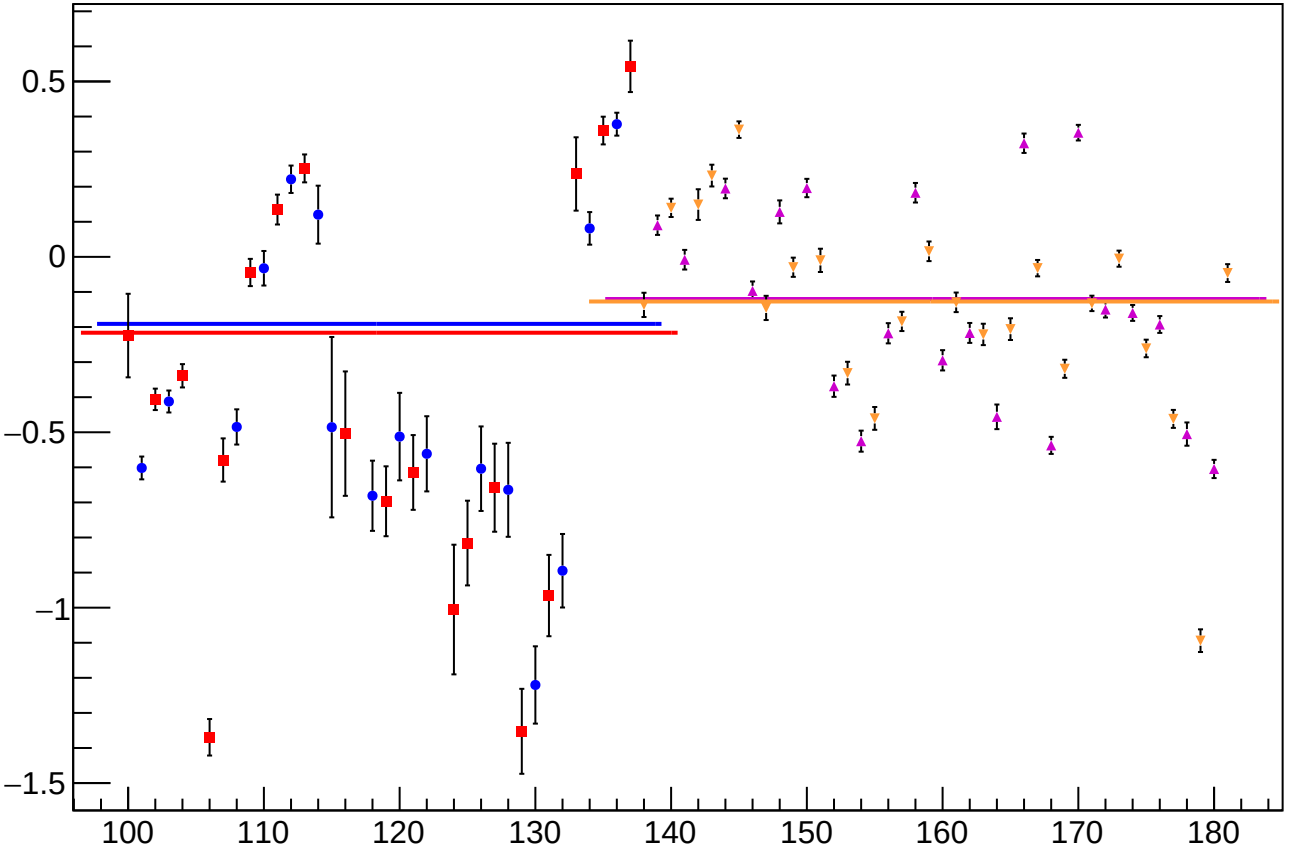
Left In: 82.022+/-0.133 χ^2/NDF:3765.4/20

+ sign 78.862+/-0.115 χ^2/NDF: 27783.6/38

All: 77.990+/-0.082 χ^2/NDF: 55302.5/78

- sign 77.086+/-0.117 χ^2/NDF: 27402.0/39

reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug



Right In: -0.191+/-0.013 χ^2/NDF: 918.3/15

Left Out: -0.127+/-0.006 χ^2/NDF:2131.5/22

Right Out: -0.216+/-0.013 χ^2/NDF: 1368.1/18

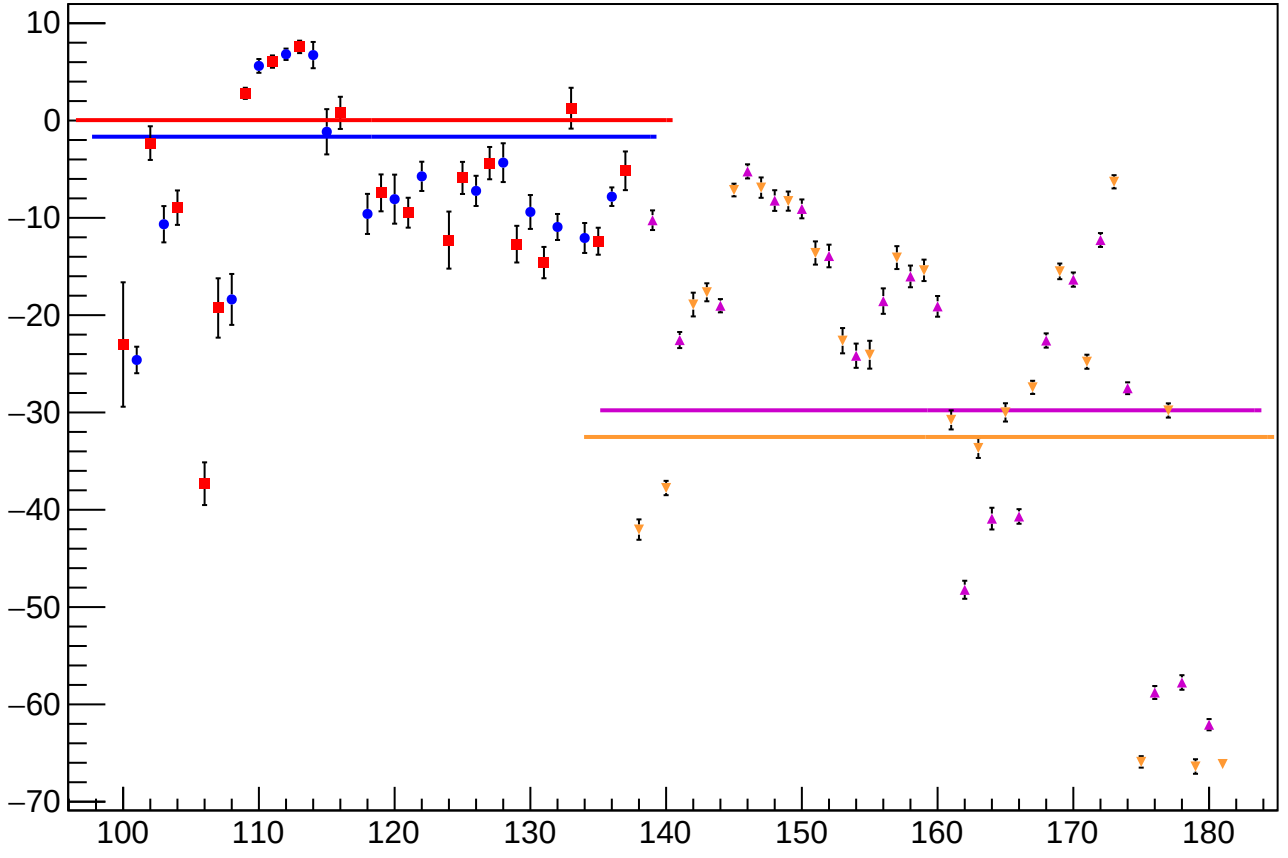
Left In: -0.120+/-0.006 χ^2/NDF:2426.6/20

+ sign -0.137+/-0.005 χ^2/NDF: 3068.8/38

All: -0.137+/-0.004 χ^2/NDF: 6909.2/78

- sign -0.137+/-0.005 χ^2/NDF: 3840.3/39

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug



Right In: -1.661+/-0.308 χ^2/NDF: 900.3/15

Left Out: -32.518+/-0.173 χ^2/NDF:15730.6/22

Right Out: 0.042+/-0.282 χ^2/NDF: 931.1/18

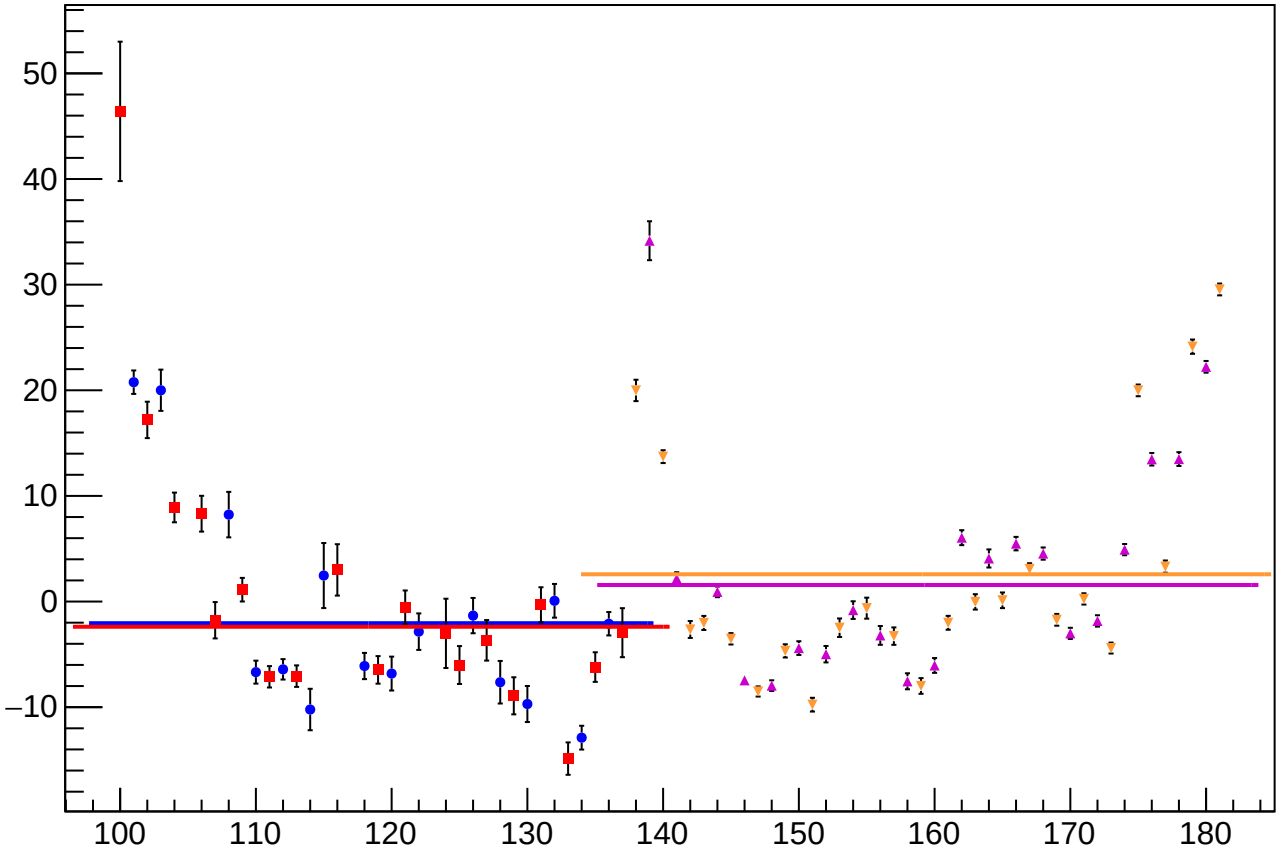
Left In: -29.778+/-0.179 χ^2/NDF:11402.9/20

+ sign -25.127+/-0.151 χ^2/NDF: 24260.5/38

All: -23.177+/-0.107 χ^2/NDF: 44907.9/78

- sign -21.220+/-0.151 χ^2/NDF: 20312.1/39

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug



Right In: -2.050+/-0.356 χ^2/NDF: 771.9/15

Left Out: 2.582+/-0.132 χ^2/NDF:6817.2/22

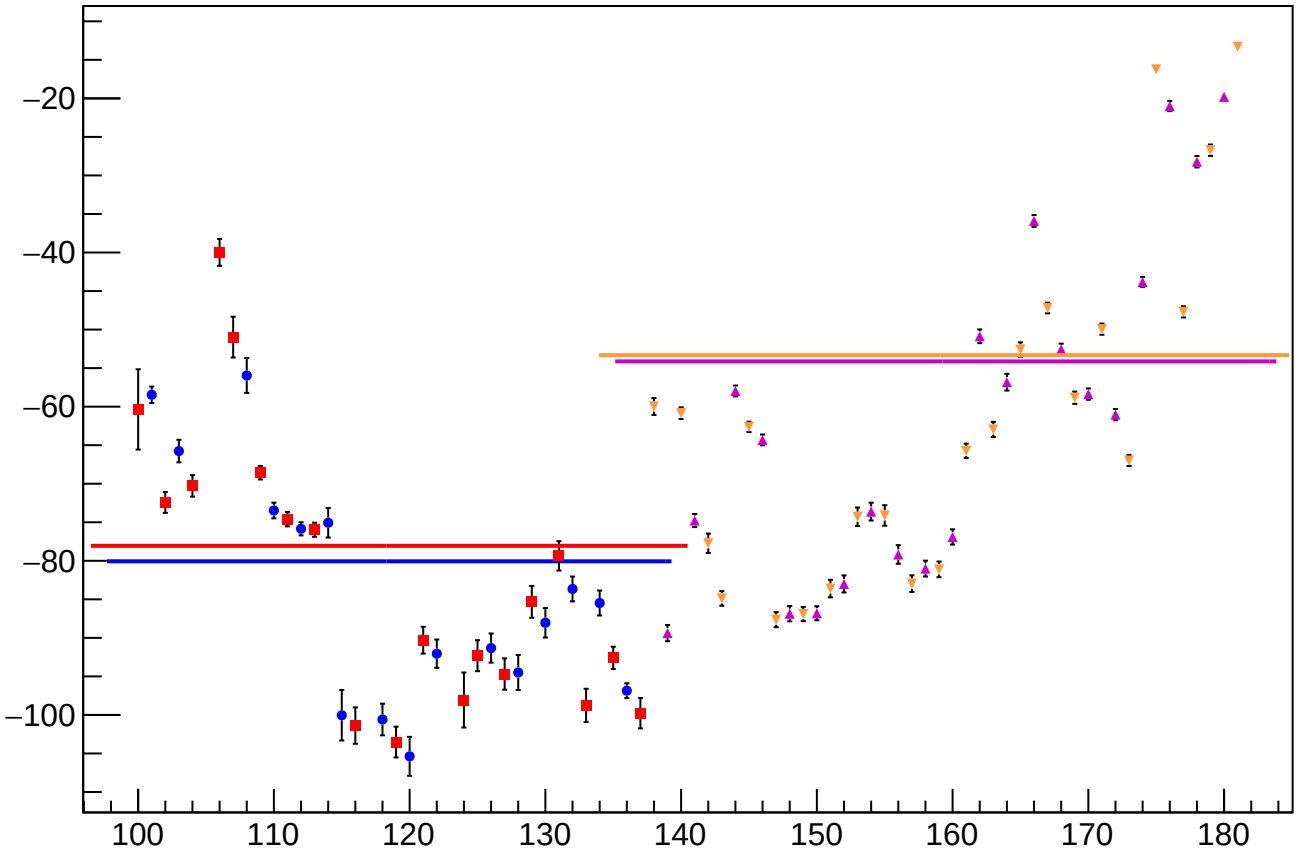
Right Out: -2.386+/-0.355 χ^2/NDF: 450.9/18

Left In: 1.566+/-0.135 χ^2/NDF:3947.8/20

+ sign 2.021+/-0.124 χ^2/NDF: 7737.8/38

All: 1.553+/-0.089 χ^2/NDF: 12273.6/78

- sign 1.066+/-0.126 χ^2/NDF: 4506.7/39



Right In: -80.069+/-0.364 χ^2/NDF: 1387.2/15

Left Out: -53.314+/-0.173 χ^2/NDF:18879.4/22

Right Out: -78.059+/-0.354 χ^2/NDF: 1561.2/18

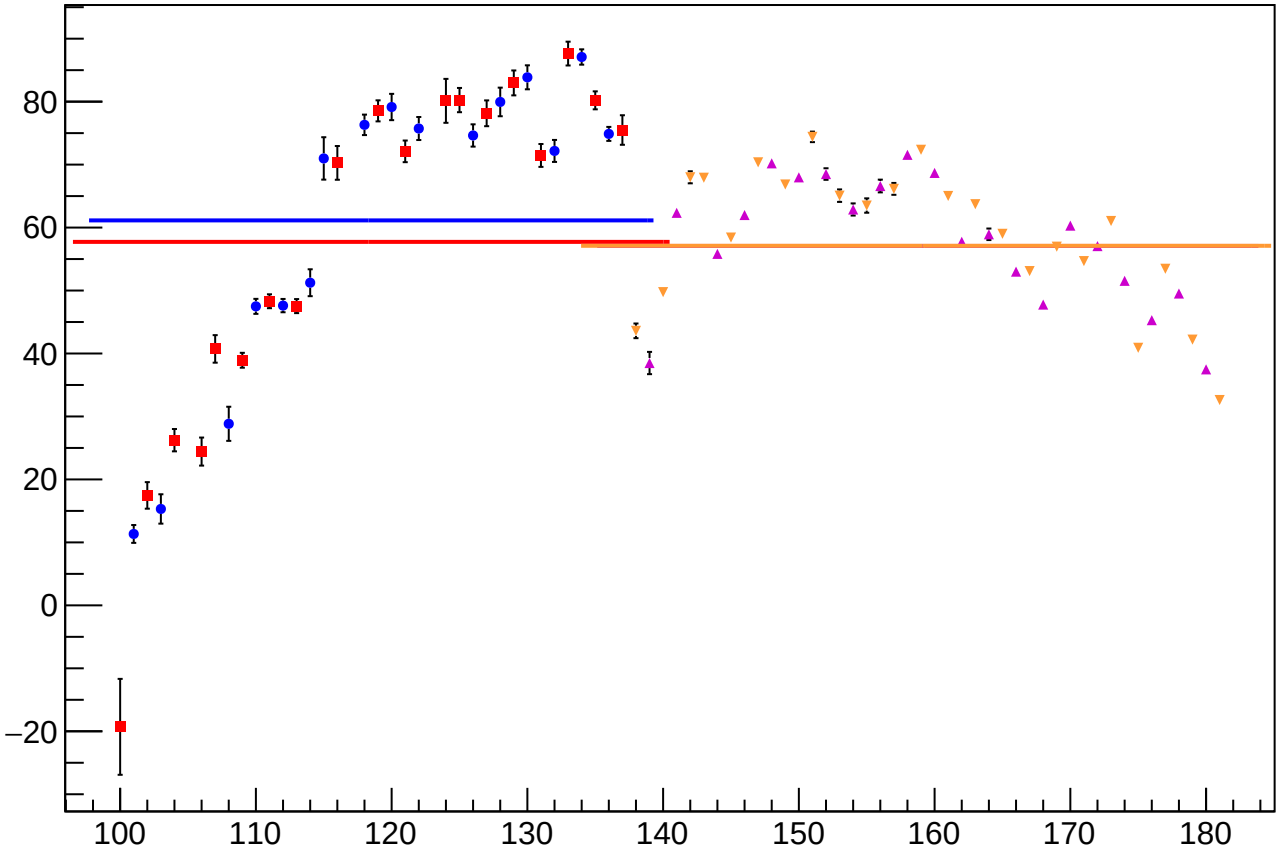
Left In: -54.129+/-0.178 χ^2/NDF:15232.1/20

+ sign -58.215+/-0.156 χ^2/NDF: 24669.7/38

All: -58.580+/-0.111 χ^2/NDF: 45131.6/78

- sign -58.958+/-0.159 χ^2/NDF: 20450.7/39

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug



Right In: 61.139+/-0.401 χ^2/NDF: 3229.3/15

Left Out: 57.107+/-0.149 χ^2/NDF:5350.0/22

Right Out: 57.728+/-0.400 χ^2/NDF: 2775.6/18

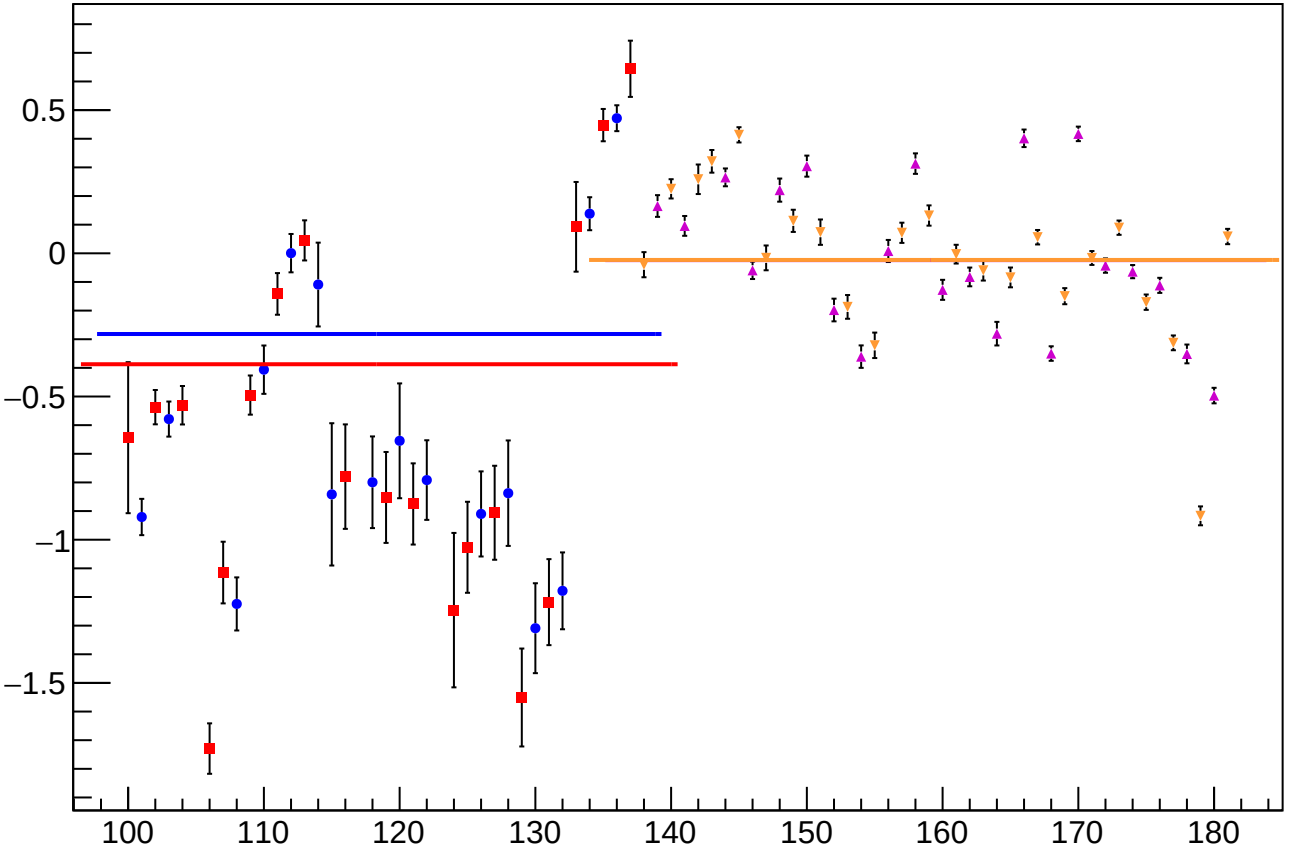
Left In: 57.078+/-0.153 χ^2/NDF:3589.9/20

+ sign 57.598+/-0.140 χ^2/NDF: 8668.2/38

All: 57.384+/-0.100 χ^2/NDF: 15040.8/78

- sign 57.161+/-0.143 χ^2/NDF: 6367.8/39

reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug



Right In: -0.282+/-0.022 χ^2/NDF: 728.2/15

Left Out: -0.023+/-0.007 χ^2/NDF:1488.6/22

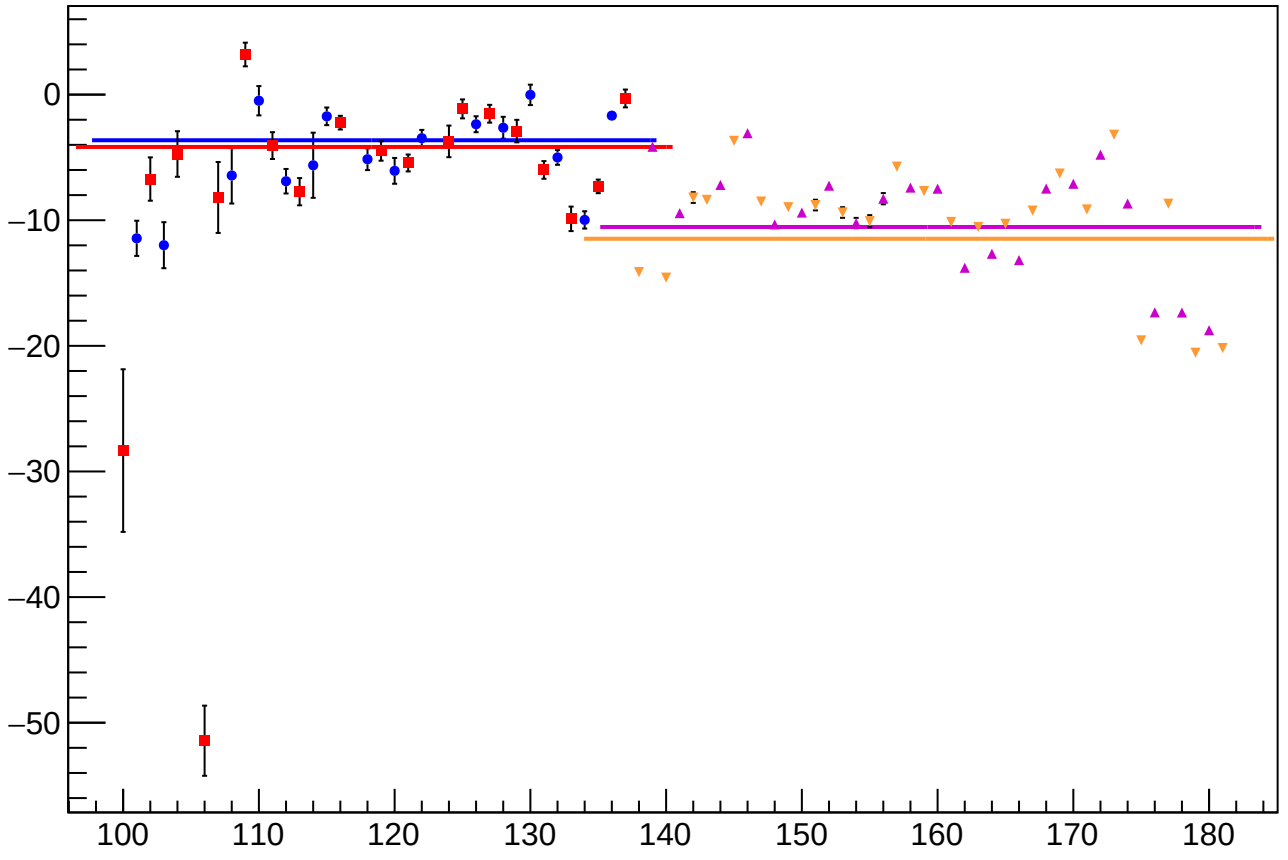
Right Out: -0.387+/-0.022 χ^2/NDF: 818.7/18

Left In: -0.024+/-0.007 χ^2/NDF:1554.0/20

+ sign -0.046+/-0.006 χ^2/NDF: 2347.1/38

All: -0.051+/-0.005 χ^2/NDF: 4972.0/78

- sign -0.056+/-0.007 χ^2/NDF: 2623.7/39



Right In: -3.634+/-0.189 χ^2/NDF: 234.8/15

Left Out: -11.474+/-0.055 χ^2/NDF:11016.0/22

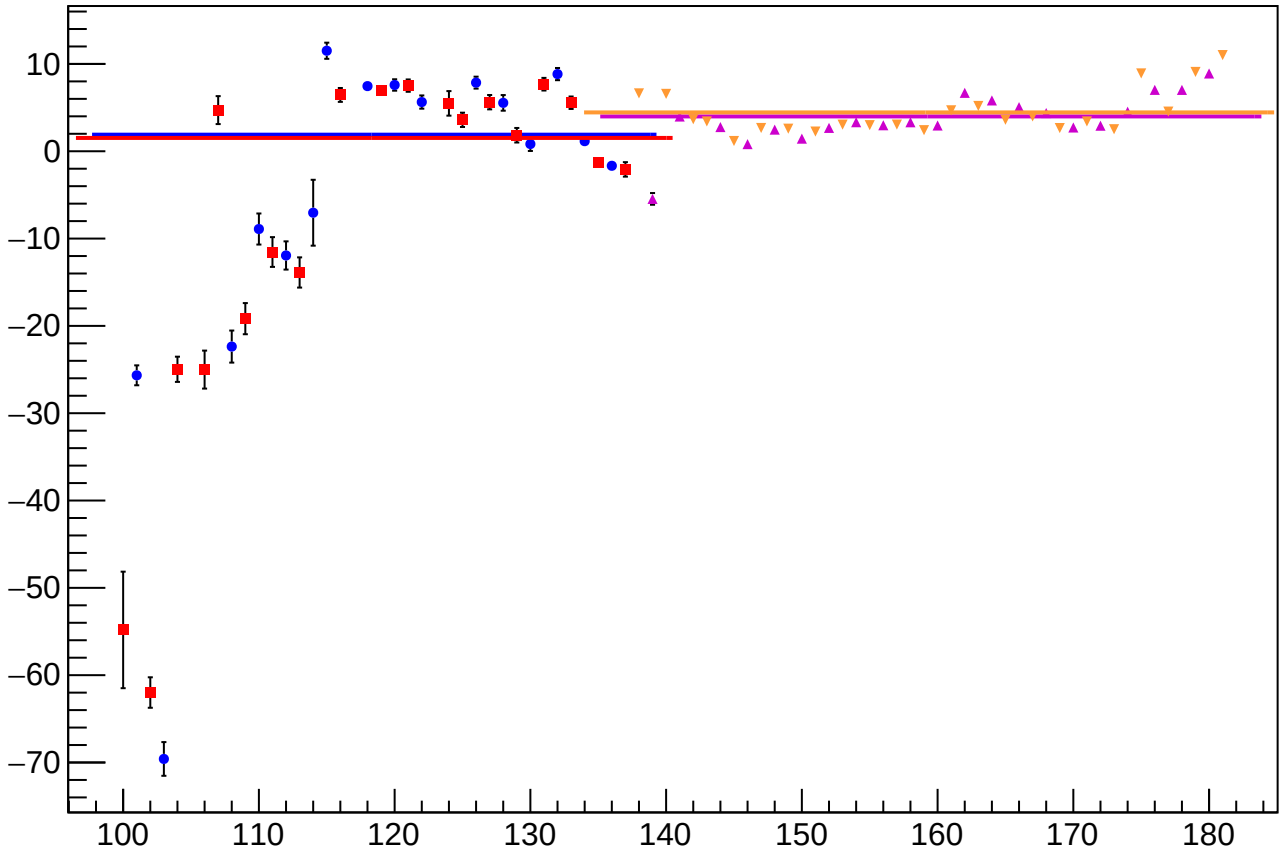
Right Out: -4.167+/-0.199 χ^2/NDF: 529.7/18

Left In: -10.538+/-0.057 χ^2/NDF:7447.1/20

+ sign -10.853+/-0.053 χ^2/NDF: 12834.7/38

All: -10.467+/-0.038 χ^2/NDF: 21863.5/78

- sign -10.056+/-0.055 χ^2/NDF: 8920.0/39



Right In: 1.898+/-0.189 χ^2/NDF: 2838.2/15

Left Out: 4.449+/-0.043 χ^2/NDF:3812.4/22

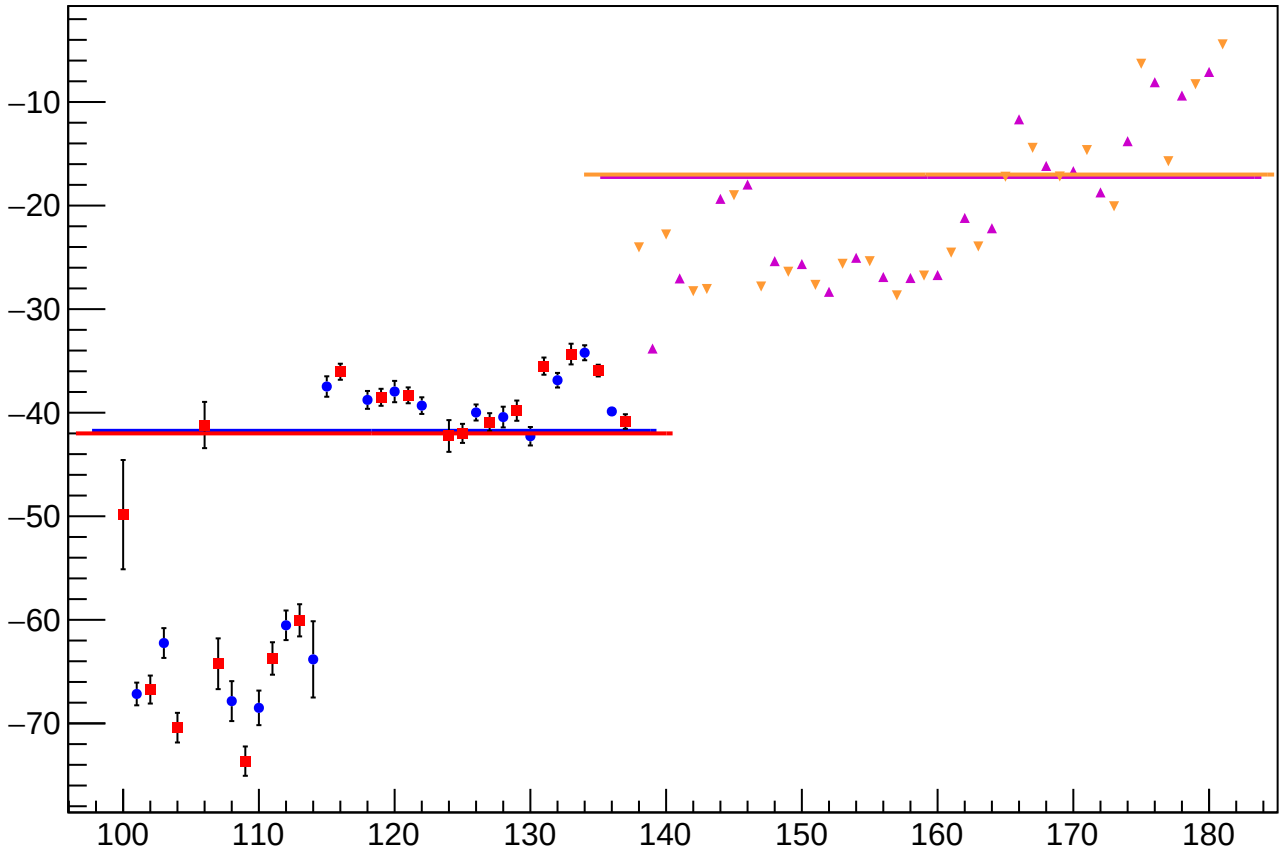
Right Out: 1.525+/-0.208 χ^2/NDF: 2559.8/18

Left In: 3.989+/-0.043 χ^2/NDF:2725.8/20

+ sign 4.324+/-0.042 χ^2/NDF: 6823.8/38

All: 4.109+/-0.030 χ^2/NDF: 12297.5/78

- sign 3.886+/-0.043 χ^2/NDF: 5419.7/39



Right In: -41.751+/-0.208 χ^2/NDF: 1633.9/15

Left Out: -17.005+/-0.055 χ^2/NDF:20136.5/22

Right Out: -41.999+/-0.228 χ^2/NDF: 1985.2/18

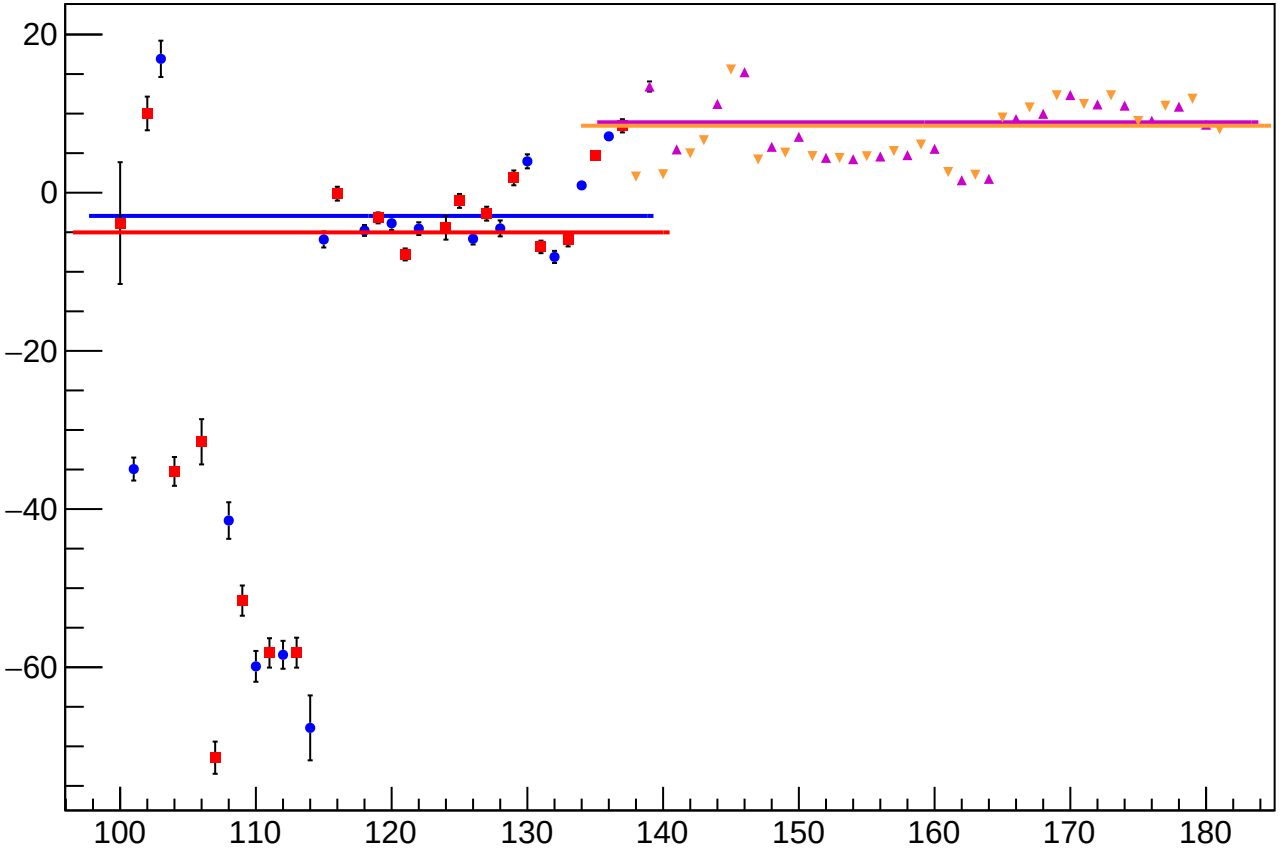
Left In: -17.237+/-0.057 χ^2/NDF:15655.5/20

+ sign -18.651+/-0.054 χ^2/NDF: 35030.9/38

All: -18.665+/-0.038 χ^2/NDF: 63753.9/78

- sign -18.680+/-0.055 χ^2/NDF: 28722.8/39

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug



Right In: -2.936+/-0.210 χ^2/NDF: 3725.6/15

Left Out: 8.468+/-0.048 χ^2/NDF:6371.5/22

Right Out: -5.018+/-0.232 χ^2/NDF: 4377.3/18

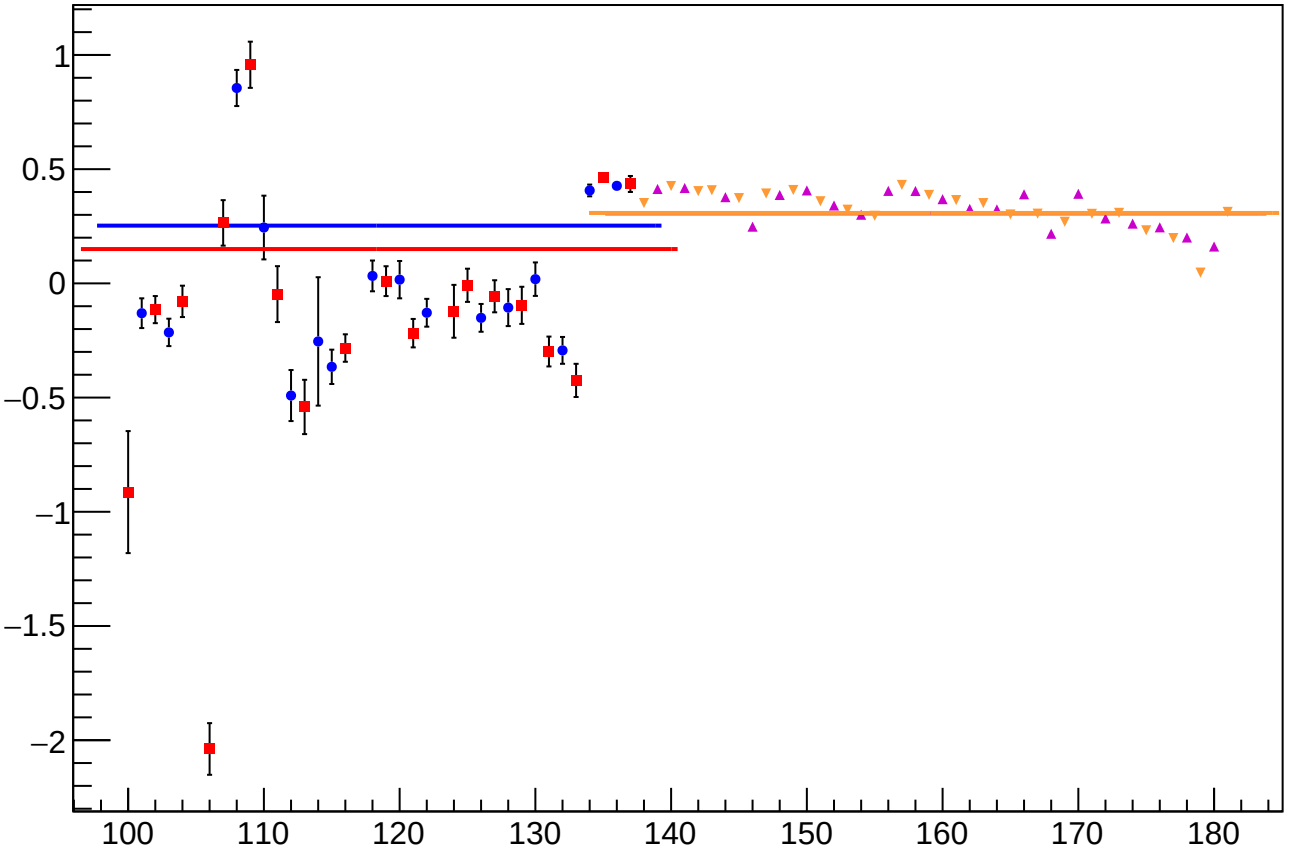
Left In: 8.901+/-0.049 χ^2/NDF:5405.5/20

\+ sign 7.900+/-0.047 χ^2/NDF: 12908.4/38

All: 8.101+/-0.033 χ^2/NDF: 26181.2/78

\- sign 8.310+/-0.048 χ^2/NDF: 13235.3/39

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:1507.1/22

Right Out: 0.150+/-0.013 χ^2/NDF: 1018.0/18

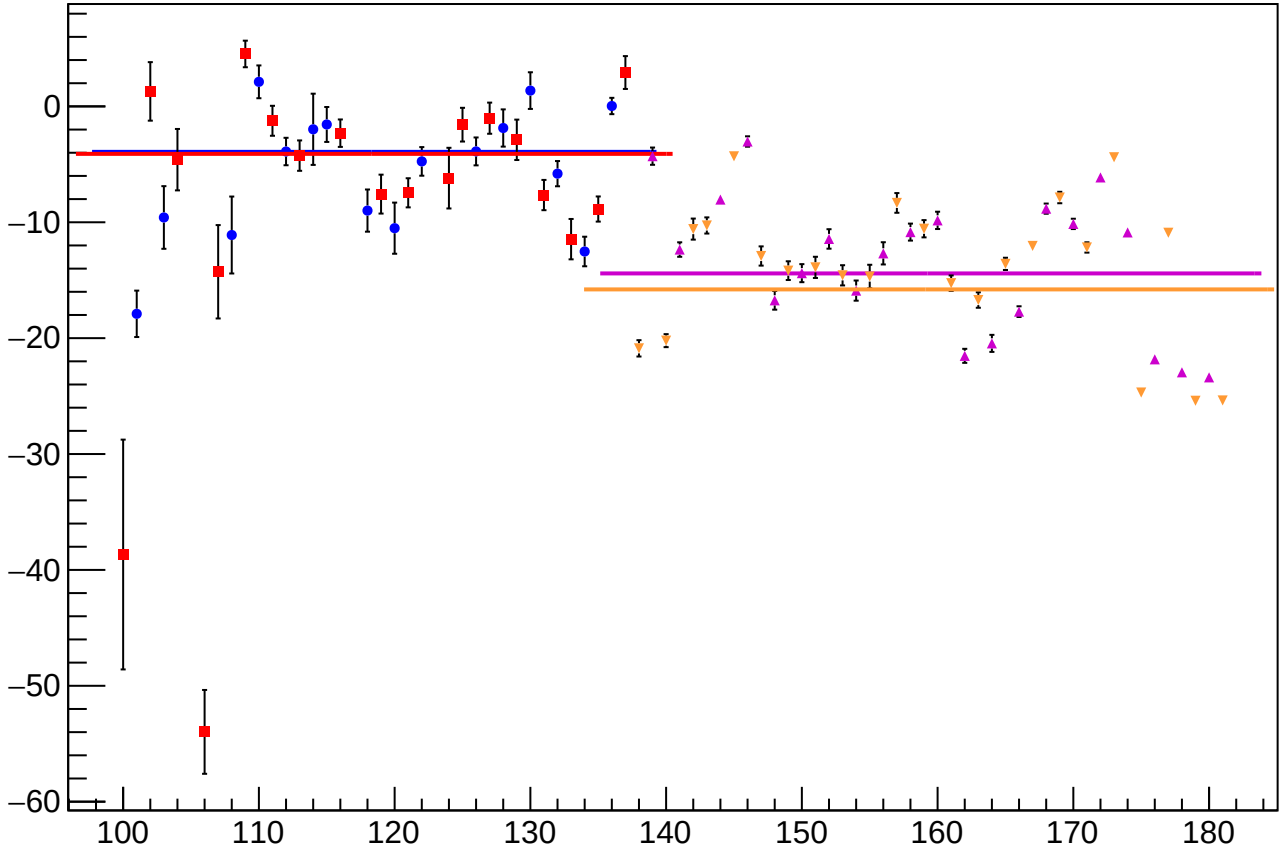
Left In: 0.306+/-0.002 χ^2/NDF:1335.0/20

+ sign 0.306+/-0.002 χ^2/NDF: 2160.7/38

All: 0.304+/-0.002 χ^2/NDF: 4648.6/78

- sign 0.302+/-0.002 χ^2/NDF: 2486.1/39

reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug



Right In: -3.924+/-0.346 χ^2/NDF: 188.8/15

Left Out: -15.793+/-0.106 χ^2/NDF:5108.1/22

Right Out: -4.096+/-0.357 χ^2/NDF: 366.9/18

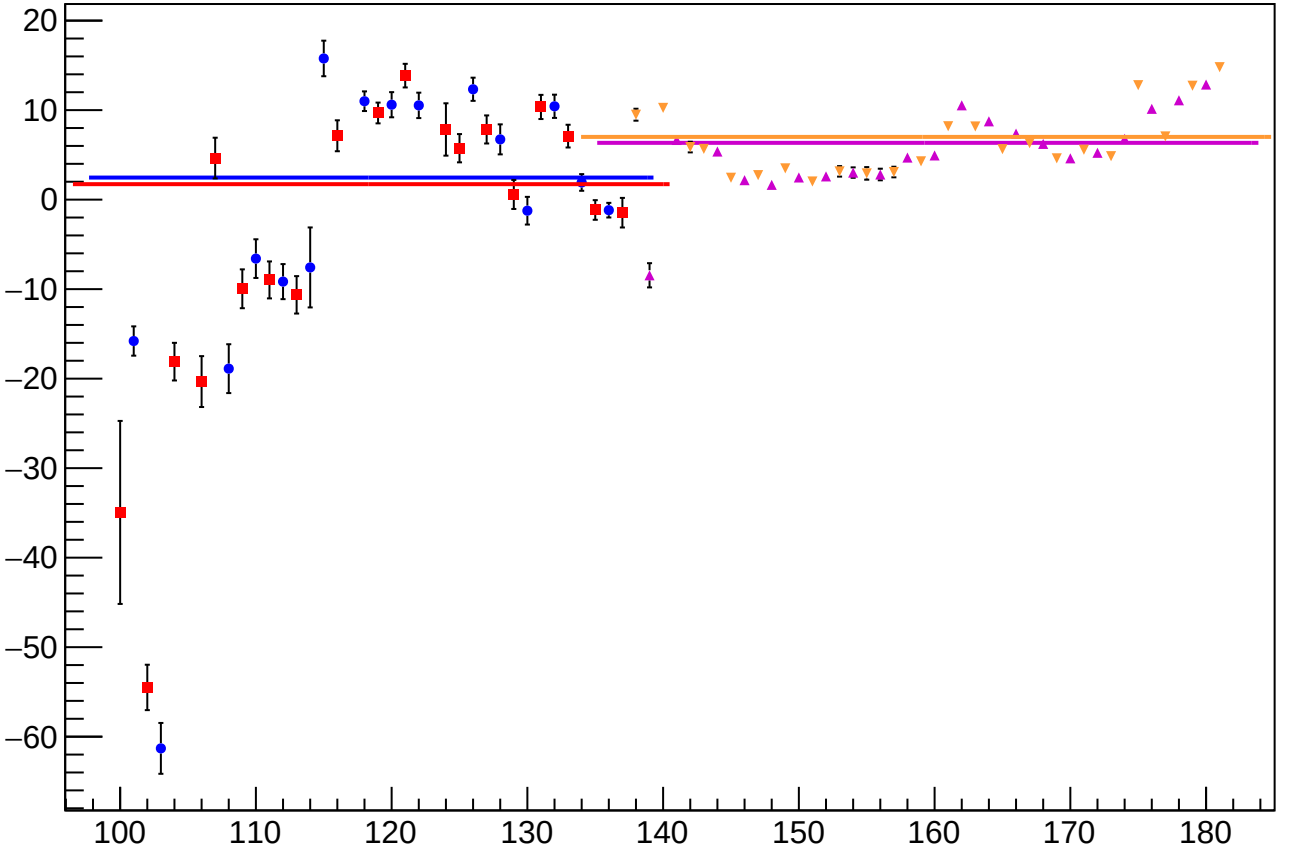
Left In: -14.414+/-0.110 χ^2/NDF:3883.1/20

+ sign -14.774+/-0.101 χ^2/NDF: 6372.5/38

All: -14.169+/-0.073 χ^2/NDF: 11459.8/78

- sign -13.522+/-0.105 χ^2/NDF: 5013.8/39

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug



Right In: 2.465+/-0.357 χ^2/NDF: 1046.7/15

Left Out: 7.008+/-0.084 χ^2/NDF:2161.1/22

Right Out: 1.728+/-0.386 χ^2/NDF: 983.1/18

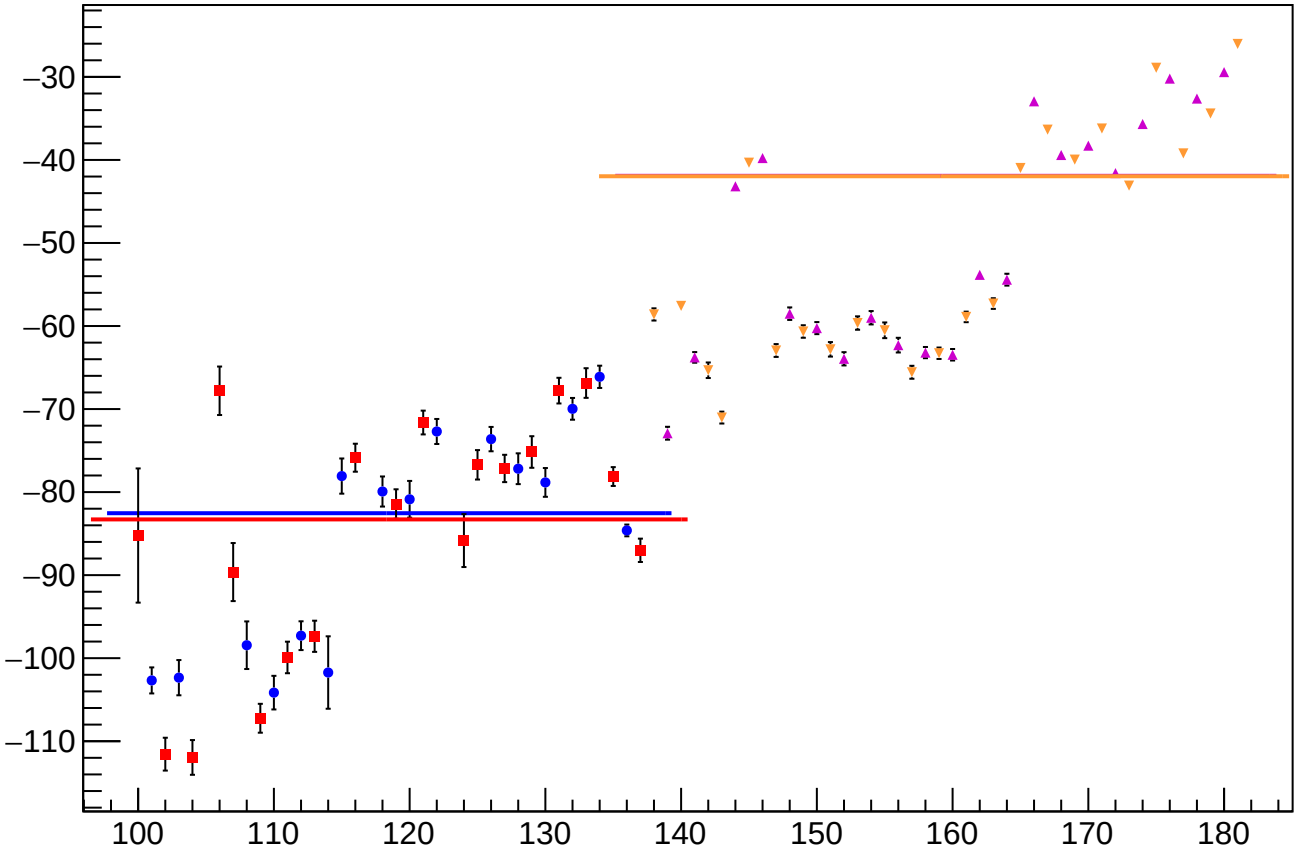
Left In: 6.344+/-0.085 χ^2/NDF:1703.6/20

+ sign 6.771+/-0.082 χ^2/NDF: 3361.5/38

All: 6.456+/-0.058 χ^2/NDF: 6214.8/78

- sign 6.133+/-0.083 χ^2/NDF: 2823.1/39

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug



Right In: -82.542+/-0.384 χ^2/NDF: 838.8/15

Left Out: -41.965+/-0.106 χ^2/NDF:15091.8/22

Right Out: -83.290+/-0.414 χ^2/NDF: 1092.6/18

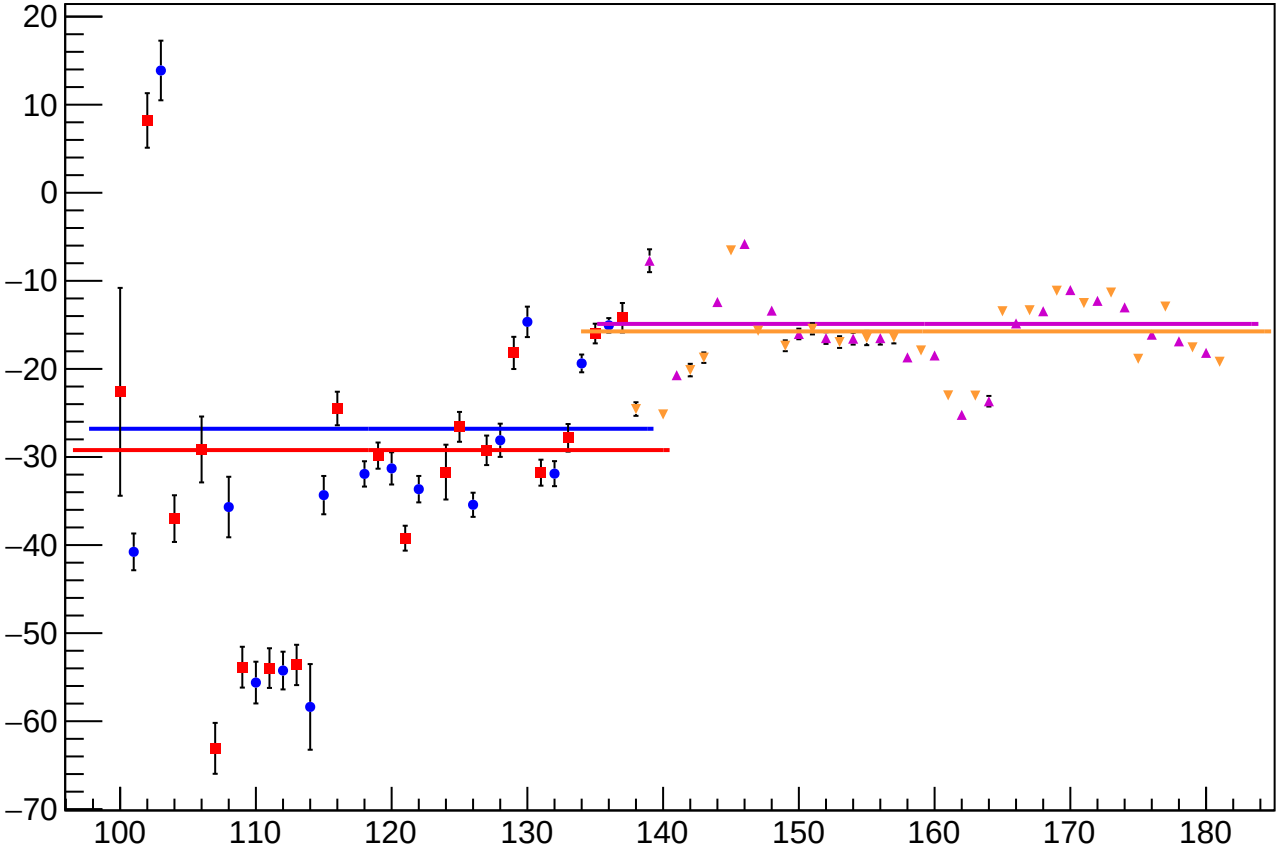
Left In: -41.912+/-0.109 χ^2/NDF:12342.9/20

+ sign -44.852+/-0.103 χ^2/NDF: 26285.4/38

All: -44.736+/-0.074 χ^2/NDF: 49049.5/78

- sign -44.612+/-0.106 χ^2/NDF: 22761.4/39

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug



Right In: -26.796+/-0.396 χ^2/NDF: 963.5/15

Left Out: -15.740+/-0.093 χ^2/NDF:2350.9/22

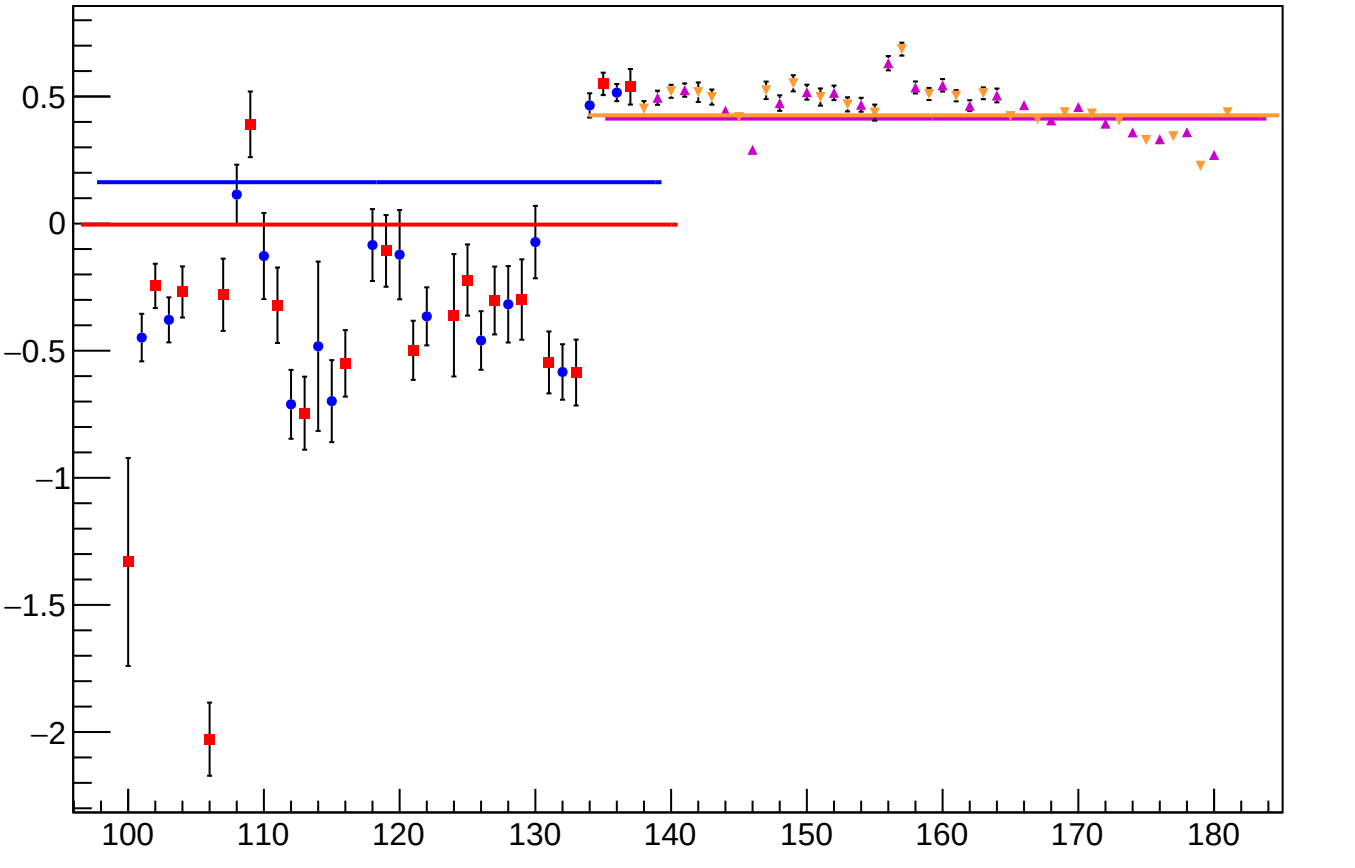
Right Out: -29.216+/-0.431 χ^2/NDF: 960.7/18

Left In: -14.890+/-0.095 χ^2/NDF:2121.3/20

+ sign -16.324+/-0.091 χ^2/NDF: 4054.1/38

All: -15.944+/-0.065 χ^2/NDF: 8225.2/78

- sign -15.550+/-0.093 χ^2/NDF: 4135.4/39



Right In: 0.163+/-0.021 χ^2/NDF: 422.6/15

Left Out: 0.426+/-0.004 χ^2/NDF:406.5/22

Right Out: -0.004+/-0.024 χ^2/NDF: 573.3/18

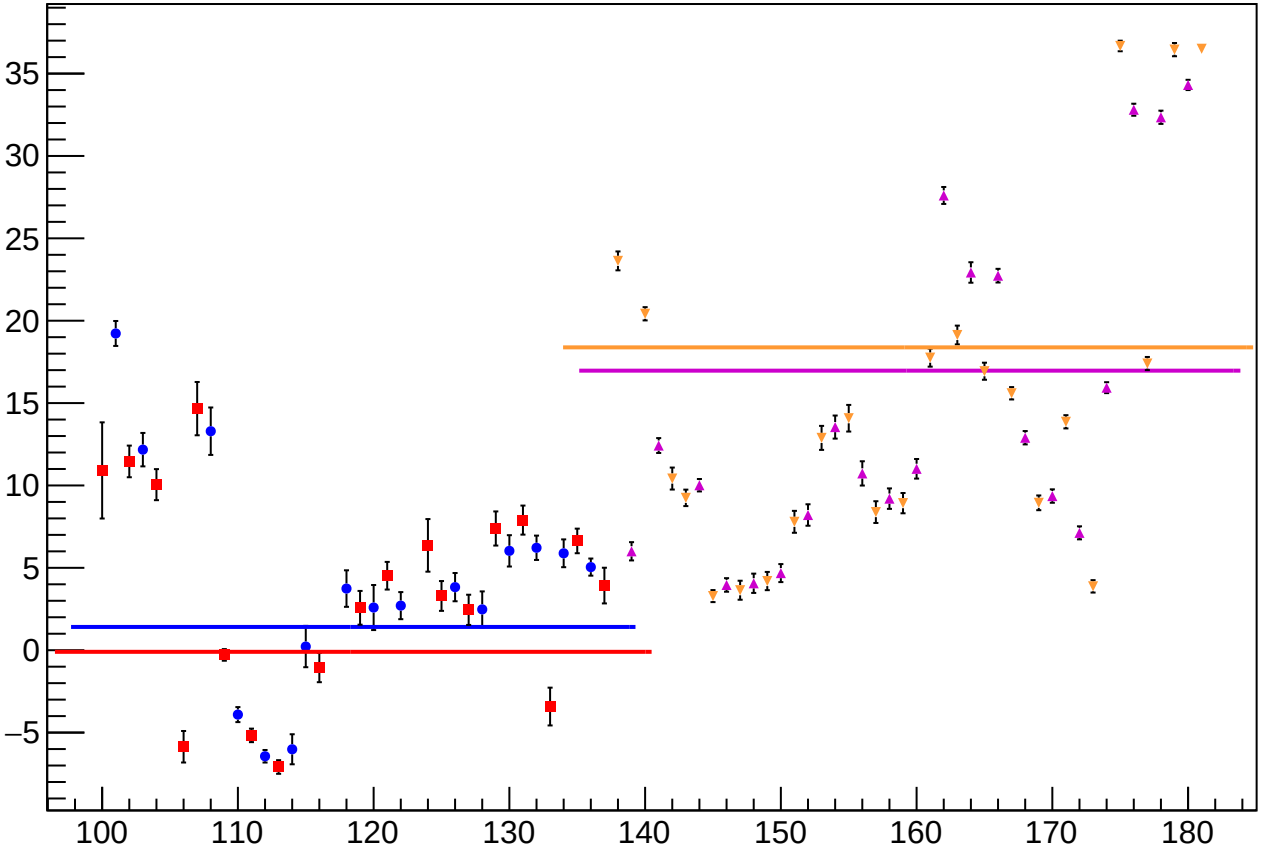
Left In: 0.413+/-0.004 χ^2/NDF:412.6/20

+ sign 0.416+/-0.004 χ^2/NDF: 974.7/38

All: 0.409+/-0.003 χ^2/NDF: 2250.8/78

- sign 0.401+/-0.004 χ^2/NDF: 1269.2/39

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: 18.382+/-0.095 χ^2/NDF:16089.0/22

Right Out: -0.098+/-0.167 χ^2/NDF: 1147.2/18

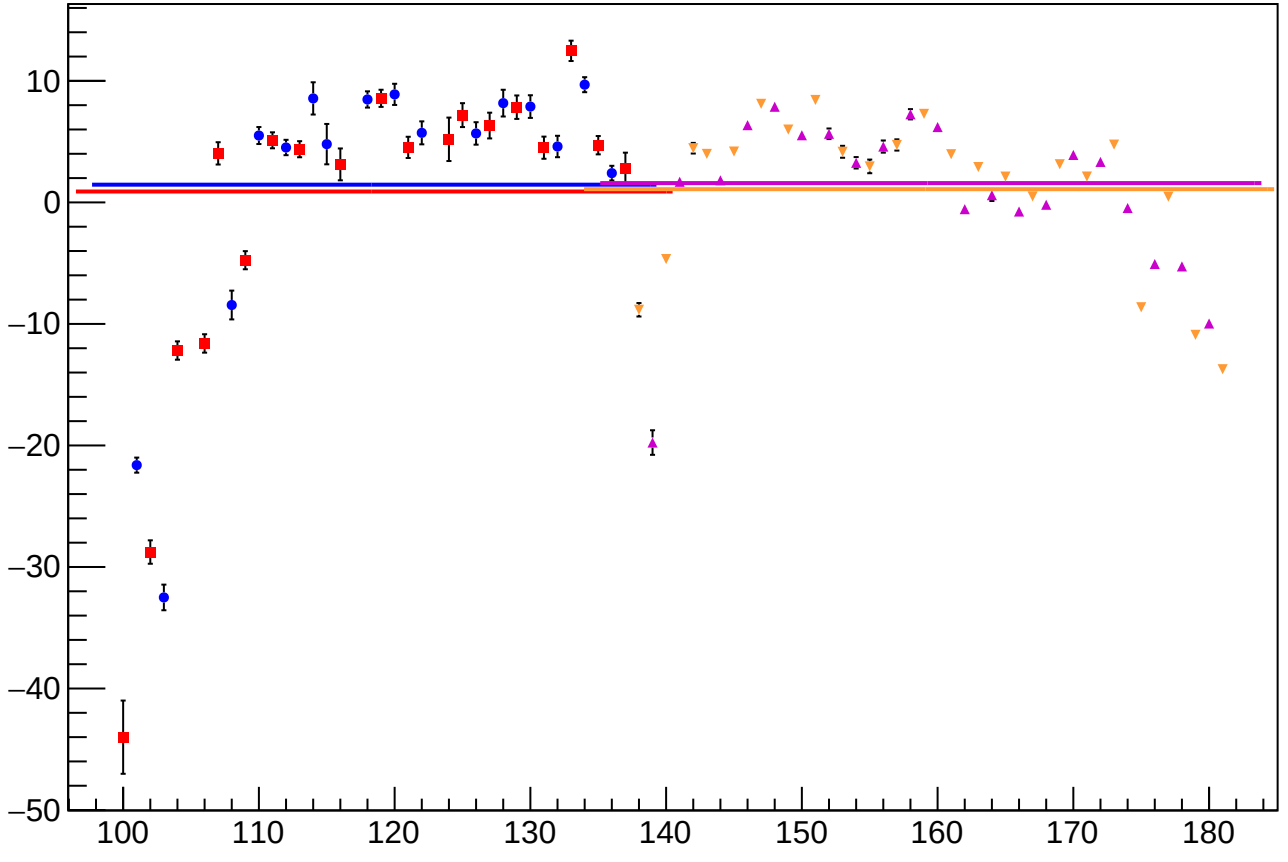
Left In: 16.968+/-0.099 χ^2/NDF:11584.8/20

+ sign 14.775+/-0.084 χ^2/NDF: 24375.3/38

All: 13.679+/-0.060 χ^2/NDF: 45160.9/78

- sign 12.568+/-0.085 χ^2/NDF: 20446.1/39

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug



Right In: 1.459+/-0.203 χ^2/NDF: 3080.3/15

Left Out: 1.087+/-0.073 χ^2/NDF:7334.6/22

Right Out: 0.896+/-0.202 χ^2/NDF: 2377.1/18

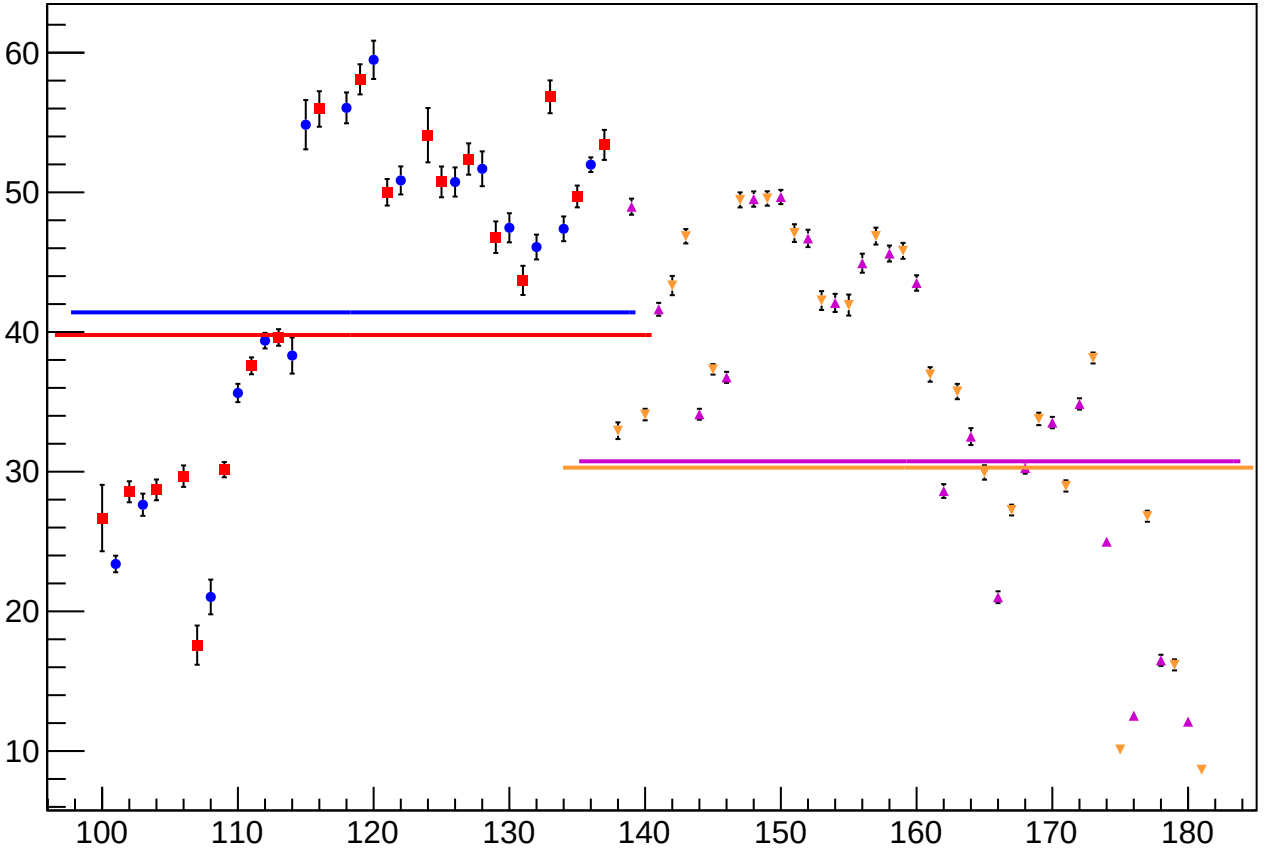
Left In: 1.590+/-0.075 χ^2/NDF:4463.4/20

+ sign 1.129+/-0.069 χ^2/NDF: 10417.8/38

All: 1.314+/-0.049 χ^2/NDF: 17283.4/78

- sign 1.506+/-0.070 χ^2/NDF: 6850.9/39

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug



Right In: 41.407+/-0.211 χ^2/NDF: 2746.0/15

Left Out: 30.291+/-0.095 χ^2/NDF:19037.3/22

Right Out: 39.784+/-0.203 χ^2/NDF: 2653.8/18

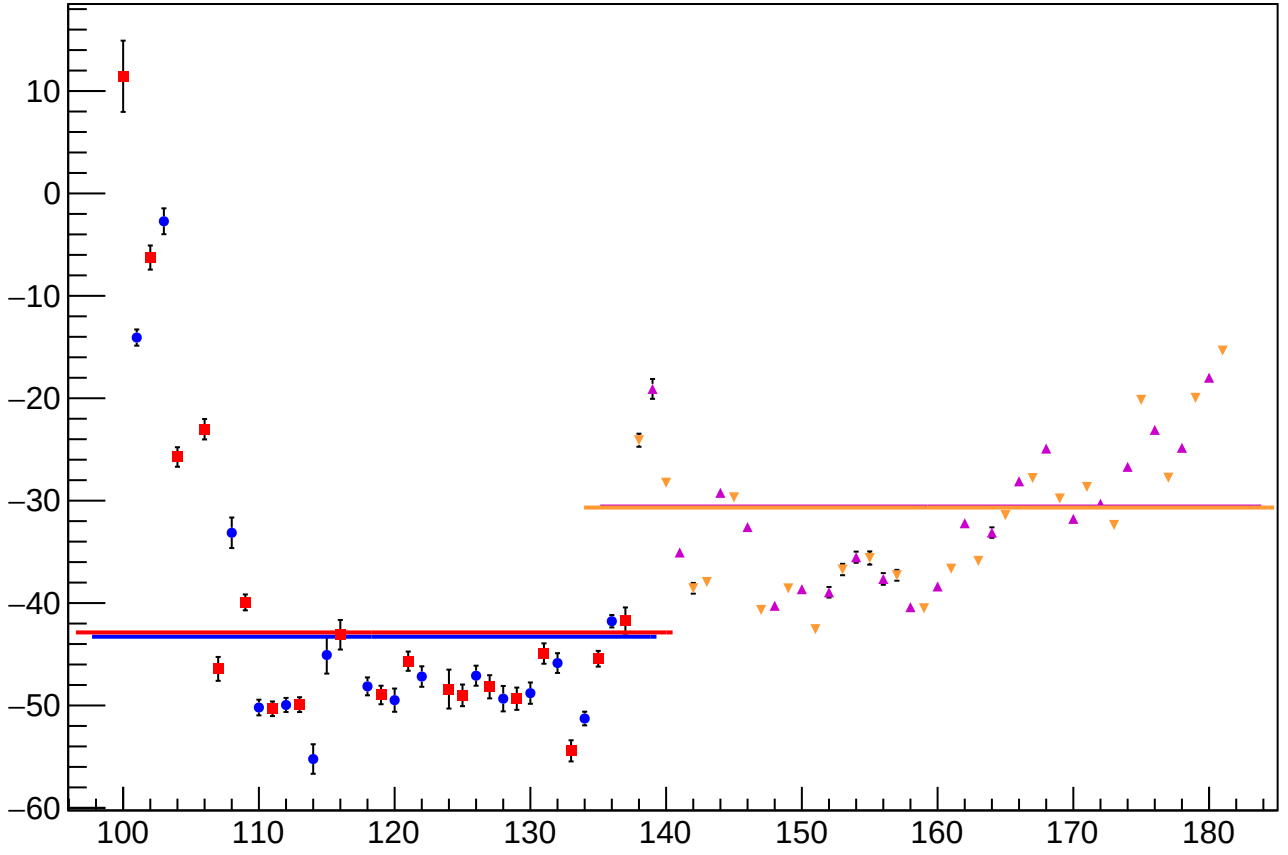
Left In: 30.745+/-0.098 χ^2/NDF:15421.8/20

+ sign 32.170+/-0.087 χ^2/NDF: 24097.4/38

All: 32.311+/-0.062 χ^2/NDF: 43787.4/78

- sign 32.458+/-0.088 χ^2/NDF: 19684.6/39

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug



Right In: -43.285+/-0.229 χ^2/NDF: 2985.2/15

Left Out: -30.672+/-0.082 χ^2/NDF:7984.5/22

Right Out: -42.867+/-0.229 χ^2/NDF: 2454.2/18

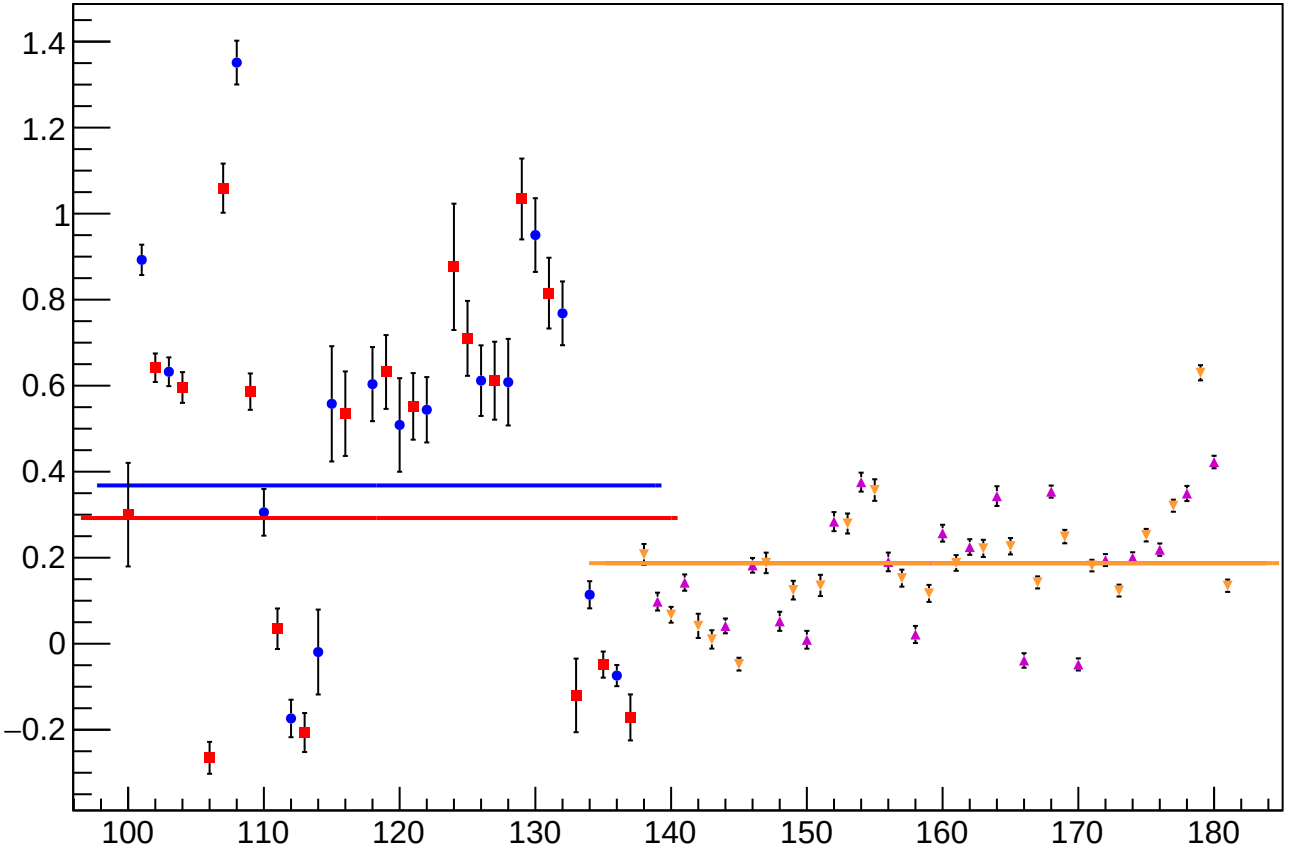
Left In: -30.575+/-0.084 χ^2/NDF:5421.5/20

+ sign -32.110+/-0.077 χ^2/NDF: 13649.9/38

All: -32.077+/-0.055 χ^2/NDF: 24062.9/78

- sign -32.042+/-0.079 χ^2/NDF: 10412.7/39

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: 0.187+/-0.004 χ^2/NDF:1280.5/22

Right Out: 0.292+/-0.012 χ^2/NDF: 1199.2/18

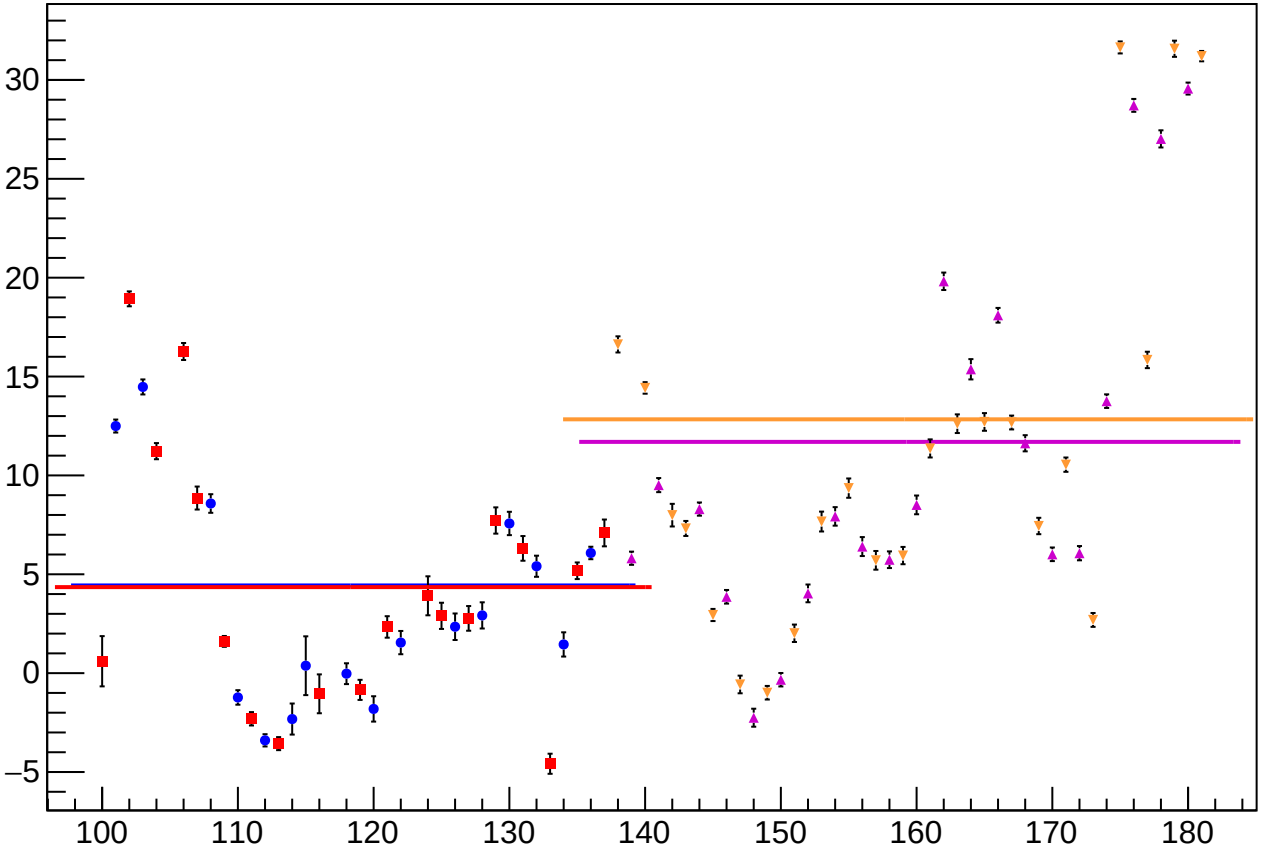
Left In: 0.187+/-0.004 χ^2/NDF:1377.5/20

\+ sign 0.203+/-0.004 χ^2/NDF: 2802.1/38

All: 0.200+/-0.003 χ^2/NDF: 5448.9/78

\- sign 0.196+/-0.004 χ^2/NDF: 2645.4/39

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug



Right In: 4.435+/-0.117 χ^2/NDF: 2622.0/15

Left Out: 12.836+/-0.080 χ^2/NDF:17133.9/22

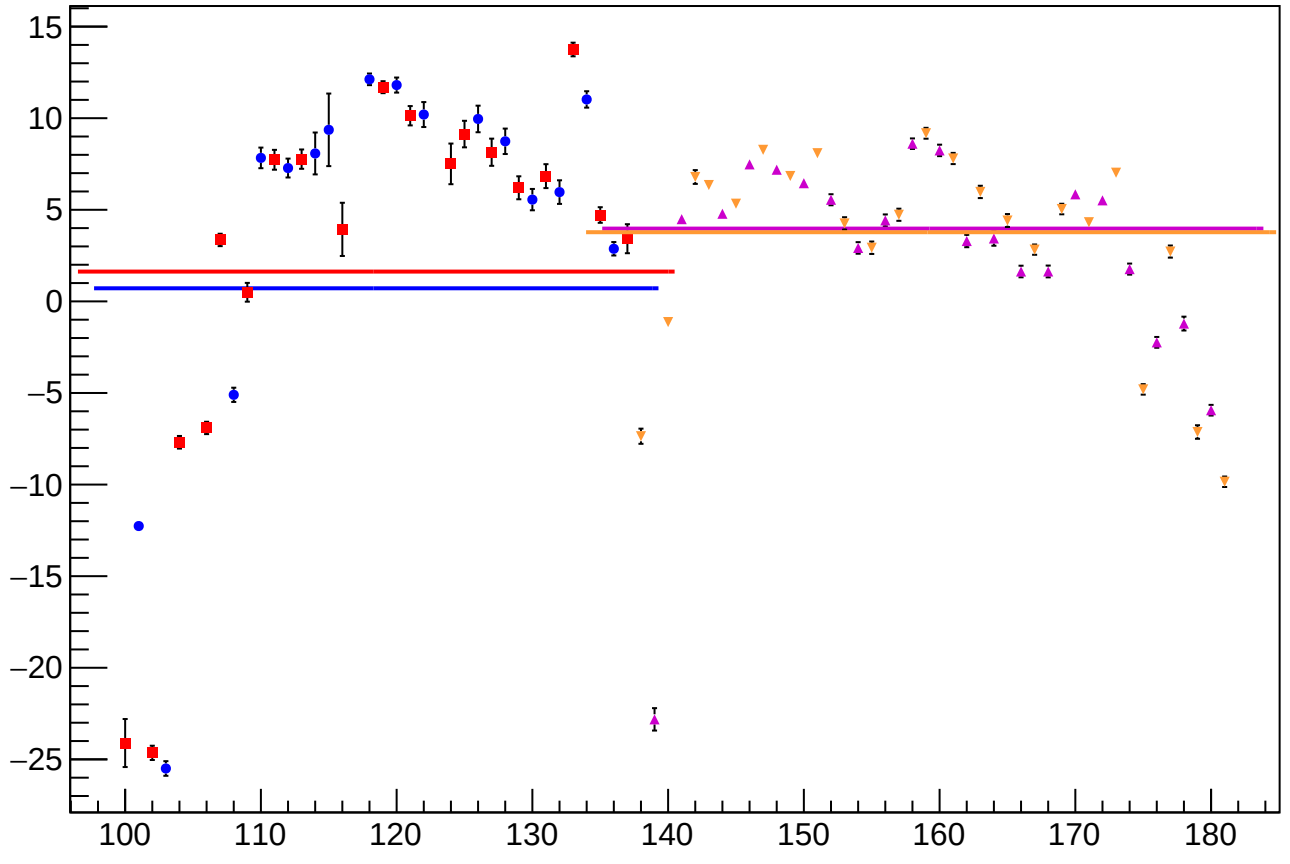
Right Out: 4.351+/-0.109 χ^2/NDF: 4205.3/18

Left In: 11.696+/-0.083 χ^2/NDF:12571.6/20

+ sign 10.155+/-0.066 χ^2/NDF: 23268.8/38

All: 9.574+/-0.047 χ^2/NDF: 43063.6/78

- sign 8.990+/-0.066 χ^2/NDF: 19639.7/39



Right In: 0.715+/-0.116 χ^2/NDF: 10454.0/15

Left Out: 3.776+/-0.060 χ^2/NDF:7069.1/22

Right Out: 1.627+/-0.111 χ^2/NDF: 9255.5/18

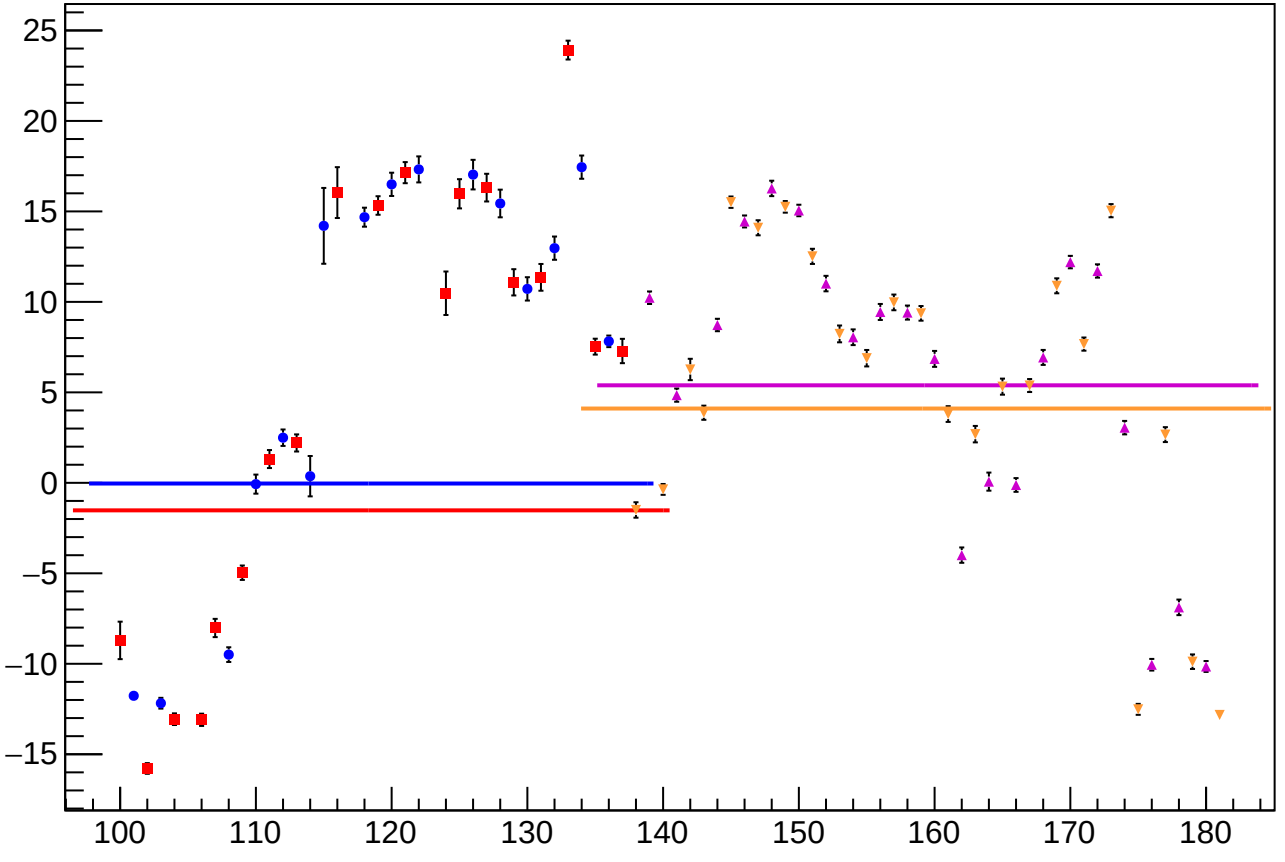
Left In: 3.973+/-0.063 χ^2/NDF:5073.1/20

+ sign 3.128+/-0.053 χ^2/NDF: 18072.8/38

All: 3.263+/-0.038 χ^2/NDF: 32753.1/78

- sign 3.405+/-0.055 χ^2/NDF: 14667.1/39

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: 4.106+/-0.079 χ^2/NDF:13761.0/22

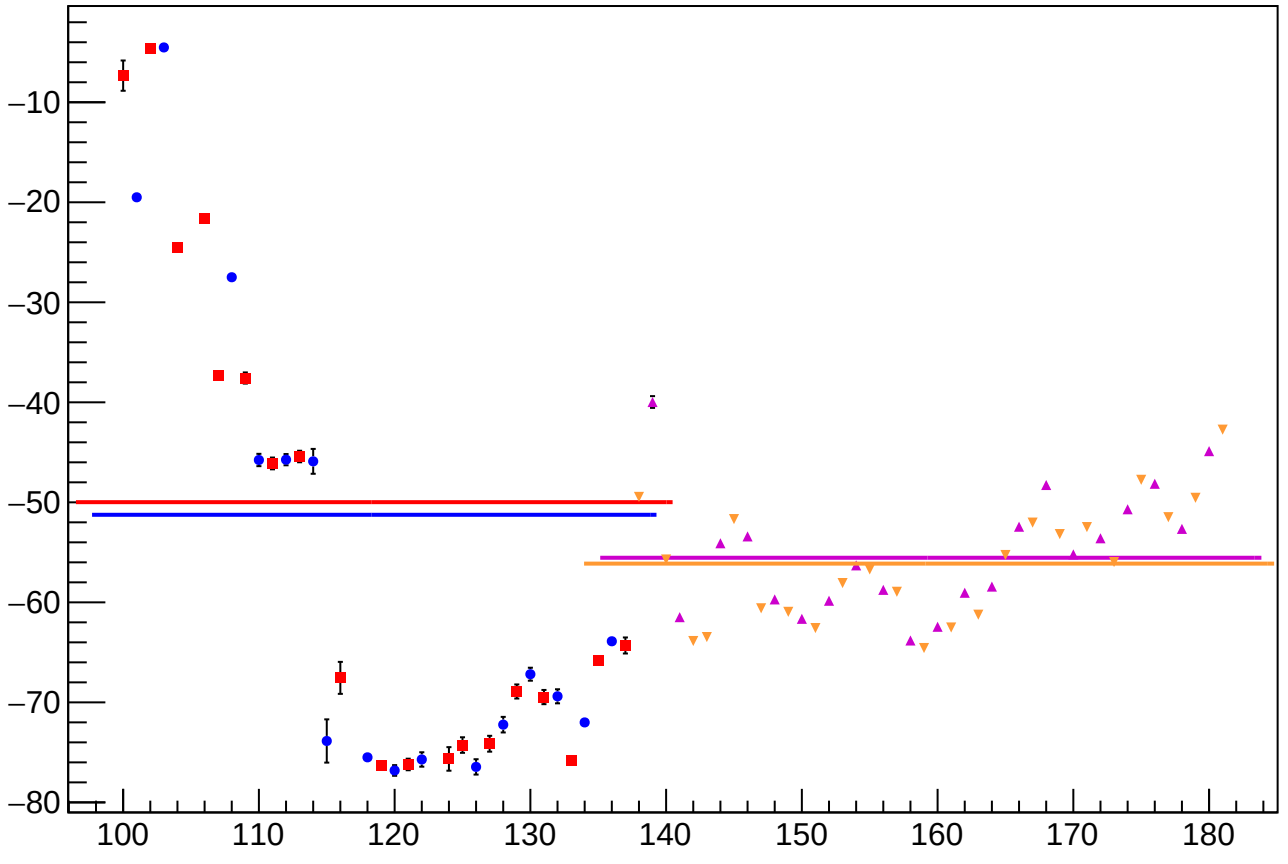
Right Out: -1.521+/-0.115 χ^2/NDF: 12130.2/18

Left In: 5.389+/-0.082 χ^2/NDF:10357.2/20

+ sign 2.834+/-0.066 χ^2/NDF: 23870.7/38

All: 2.943+/-0.047 χ^2/NDF: 48750.5/78

- sign 3.054+/-0.067 χ^2/NDF: 24874.3/39



Right In: -51.246+/-0.136 χ^2/NDF: 33765.2/15

Left Out: -56.128+/-0.068 χ^2/NDF:7224.3/22

Right Out: -49.983+/-0.131 χ^2/NDF: 33892.5/18

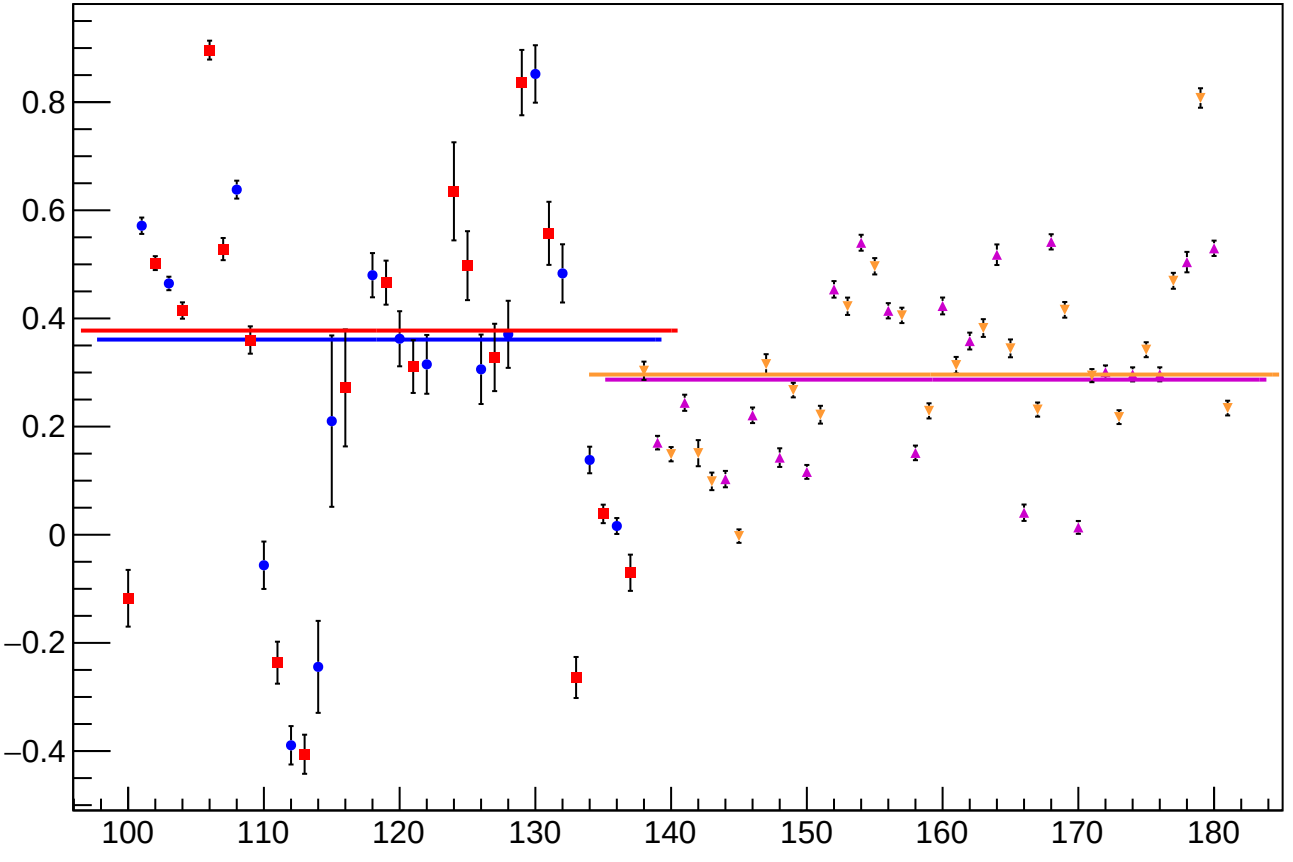
Left In: -55.541+/-0.071 χ^2/NDF:5952.0/20

+ sign -55.140+/-0.061 χ^2/NDF: 42020.9/38

All: -54.717+/-0.044 χ^2/NDF: 83360.9/78

- sign -54.277+/-0.062 χ^2/NDF: 41242.3/39

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: 0.296+/-0.003 χ^2/NDF:2372.1/22

Right Out: 0.378+/-0.006 χ^2/NDF: 2790.5/18

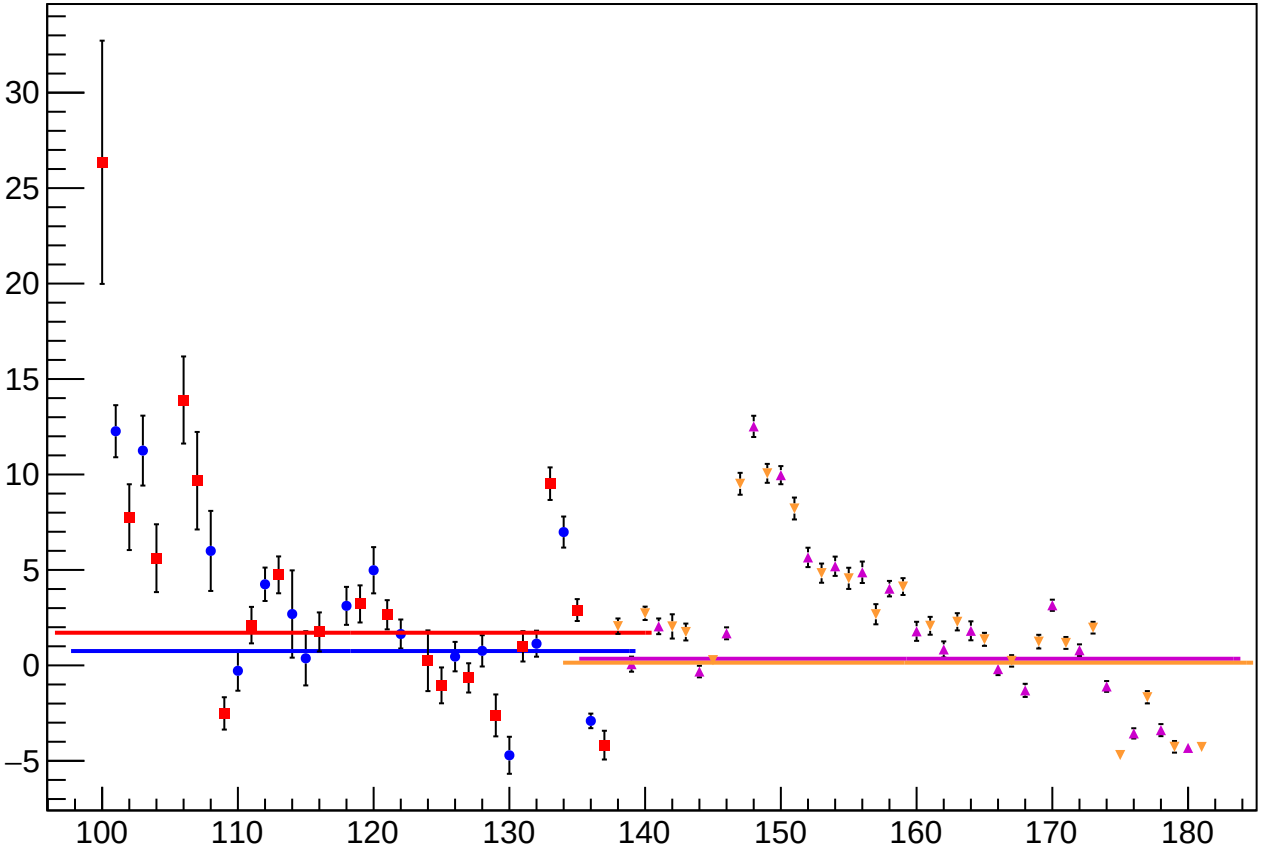
Left In: 0.287+/-0.003 χ^2/NDF:2895.5/20

+ sign 0.309+/-0.003 χ^2/NDF: 4315.8/38

All: 0.307+/-0.002 χ^2/NDF: 10176.8/78

- sign 0.306+/-0.003 χ^2/NDF: 5860.5/39

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: 0.142+/-0.073 χ^2/NDF:2521.6/22

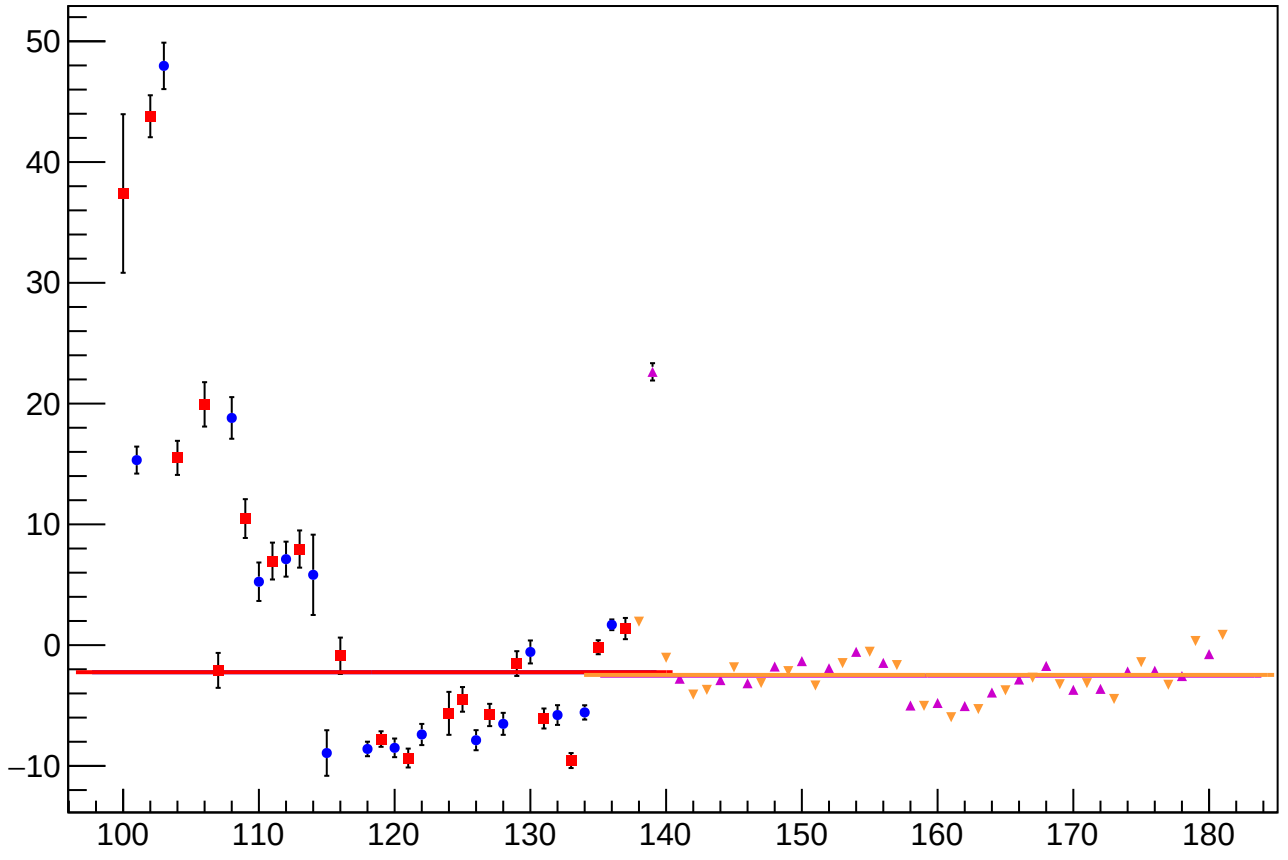
Right Out: 1.710+/-0.223 χ^2/NDF: 293.8/18

Left In: 0.347+/-0.077 χ^2/NDF:2239.4/20

+ sign 0.206+/-0.069 χ^2/NDF: 2859.0/38

All: 0.343+/-0.050 χ^2/NDF: 5433.8/78

- sign 0.492+/-0.073 χ^2/NDF: 2566.7/39



Right In: -2.245+/-0.215 χ^2/NDF: 1572.5/15

Left Out: -2.466+/-0.058 χ^2/NDF:1047.1/22

Right Out: -2.242+/-0.229 χ^2/NDF: 1555.6/18

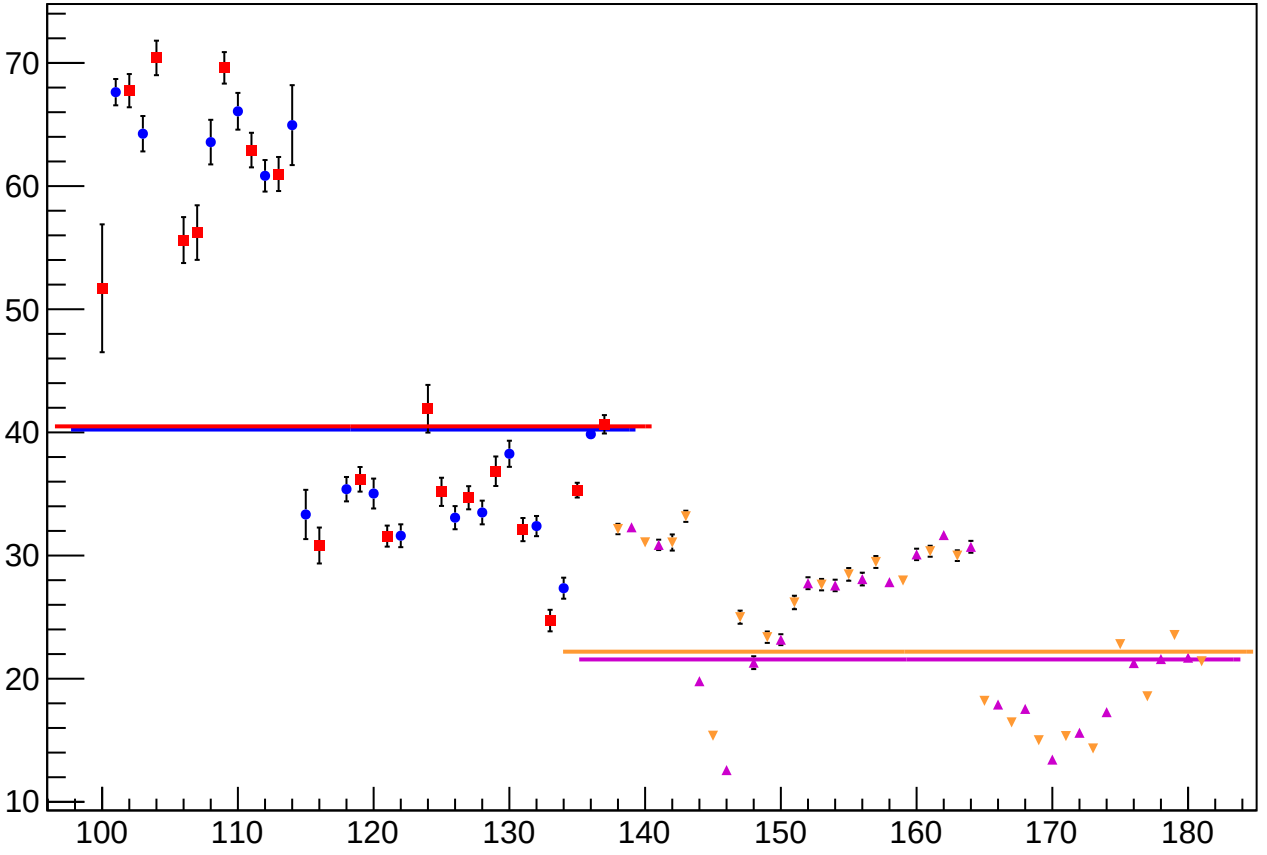
Left In: -2.529+/-0.059 χ^2/NDF:1649.9/20

+ sign -2.451+/-0.056 χ^2/NDF: 2620.6/38

All: -2.480+/-0.040 χ^2/NDF: 5828.2/78

- sign -2.511+/-0.057 χ^2/NDF: 3207.1/39

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: 22.195+/-0.073 χ^2/NDF:6168.0/22

Right Out: 40.490+/-0.250 χ^2/NDF: 2698.0/18

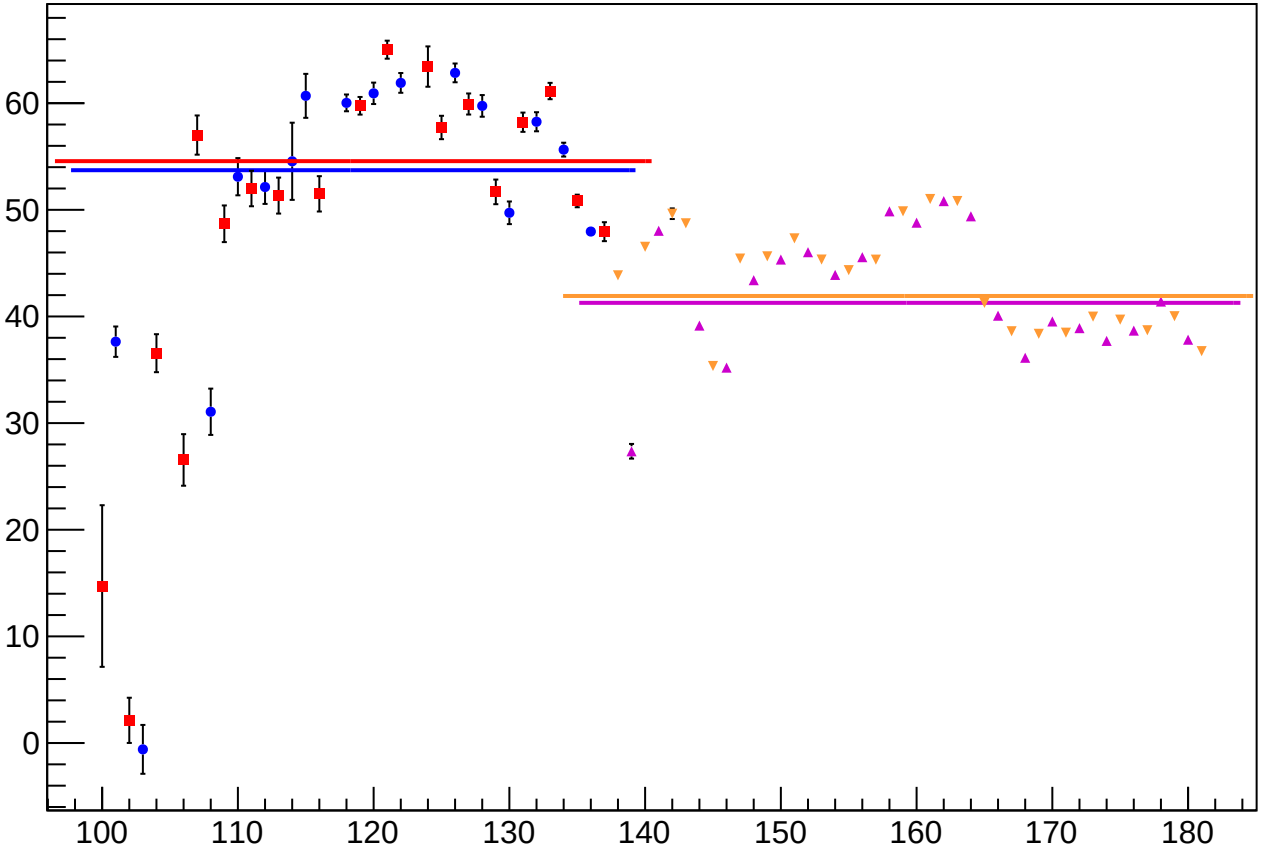
Left In: 21.563+/-0.076 χ^2/NDF:5775.5/20

+ sign 23.840+/-0.070 χ^2/NDF: 13979.0/38

All: 23.521+/-0.050 χ^2/NDF: 27722.3/78

- sign 23.173+/-0.073 χ^2/NDF: 13699.7/39

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug



Right In: 53.715+/-0.239 χ^2/NDF: 1362.7/15

Left Out: 41.921+/-0.064 χ^2/NDF:5521.9/22

Right Out: 54.565+/-0.256 χ^2/NDF: 1342.6/18

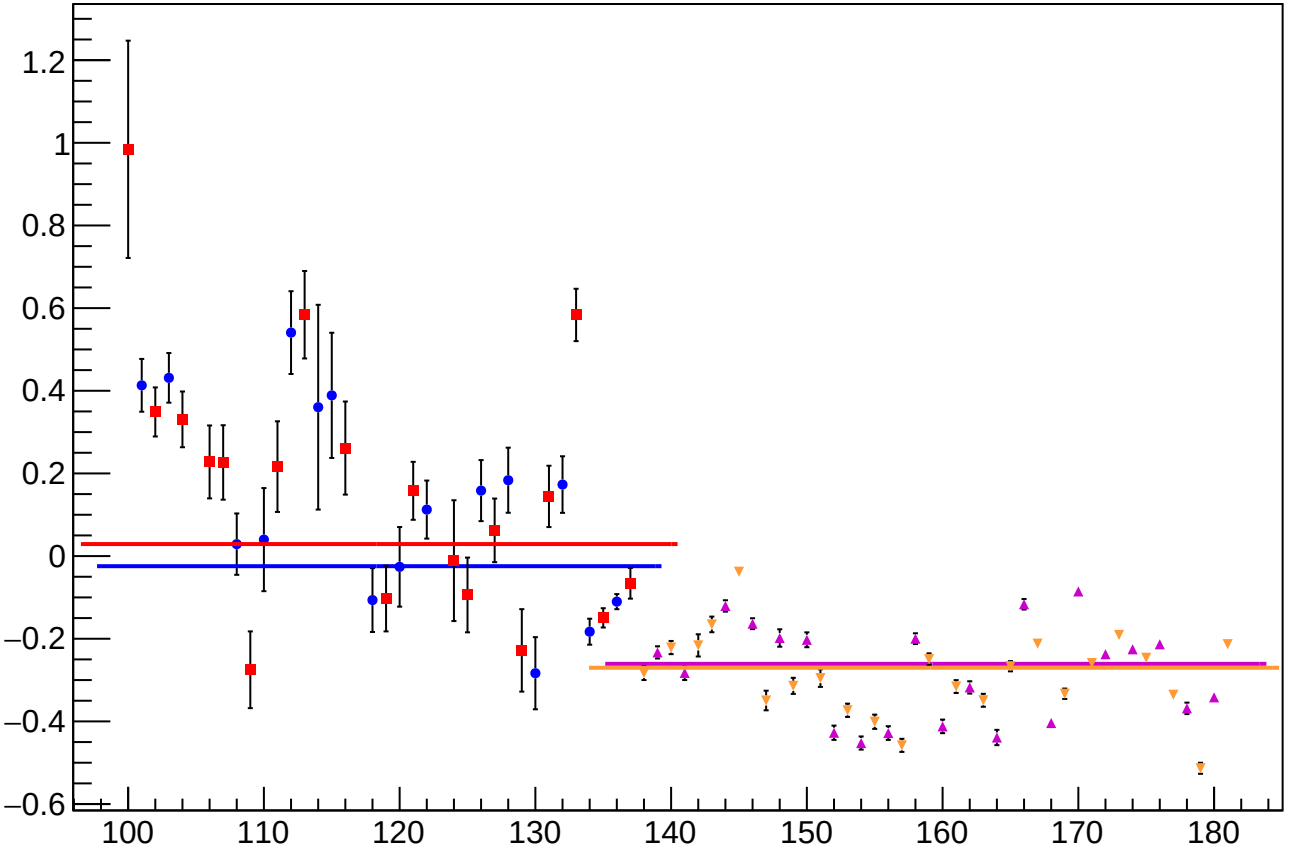
Left In: 41.277+/-0.066 χ^2/NDF:5400.5/20

+ sign 42.720+/-0.062 χ^2/NDF: 9154.6/38

All: 42.424+/-0.045 χ^2/NDF: 18467.1/78

- sign 42.110+/-0.064 χ^2/NDF: 9265.8/39

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: -0.270+/-0.003 χ^2/NDF:1308.4/22

Right Out: 0.029+/-0.014 χ^2/NDF: 276.4/18

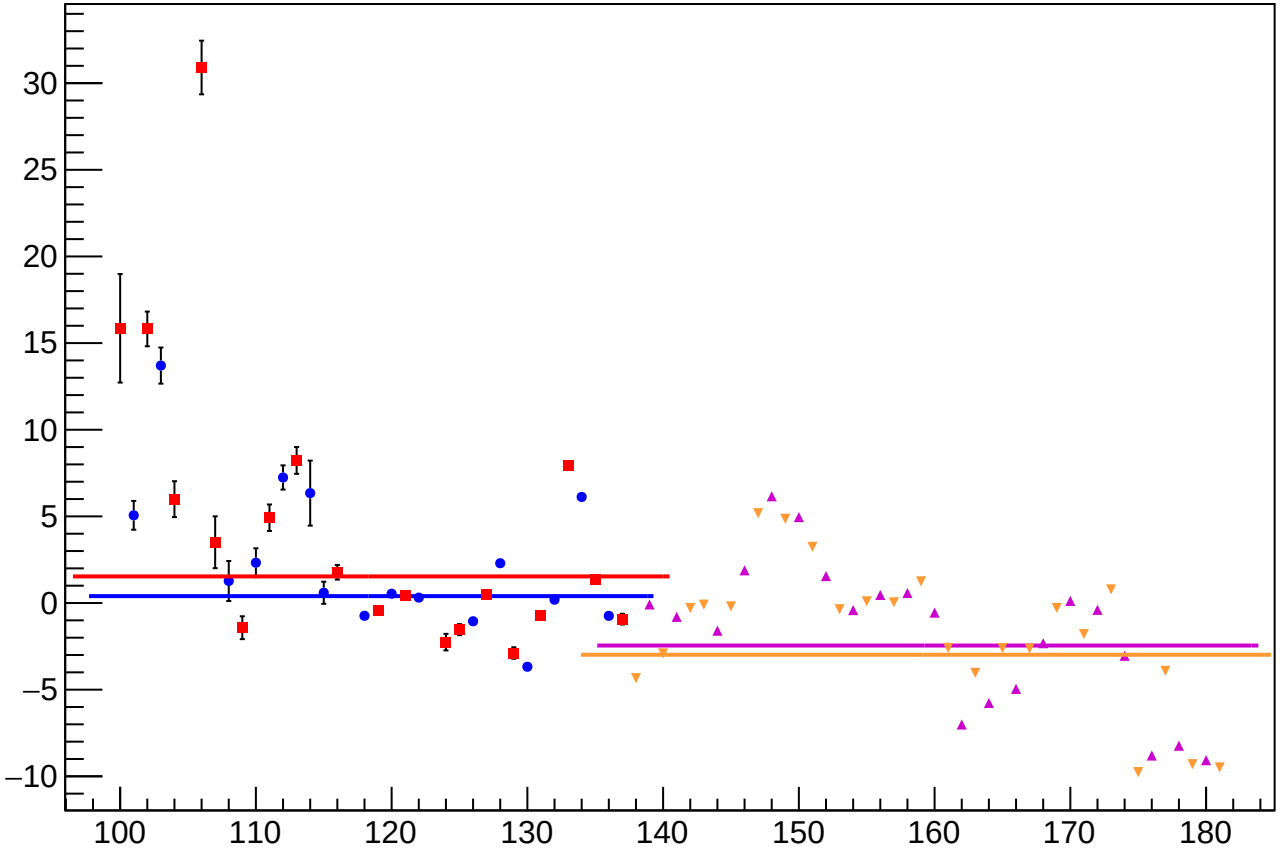
Left In: -0.261+/-0.003 χ^2/NDF:1466.9/20

+ sign -0.258+/-0.003 χ^2/NDF: 1888.9/38

All: -0.254+/-0.002 χ^2/NDF: 4034.7/78

- sign -0.249+/-0.003 χ^2/NDF: 2140.3/39

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: -2.985+/-0.029 χ^2/NDF:22408.5/22

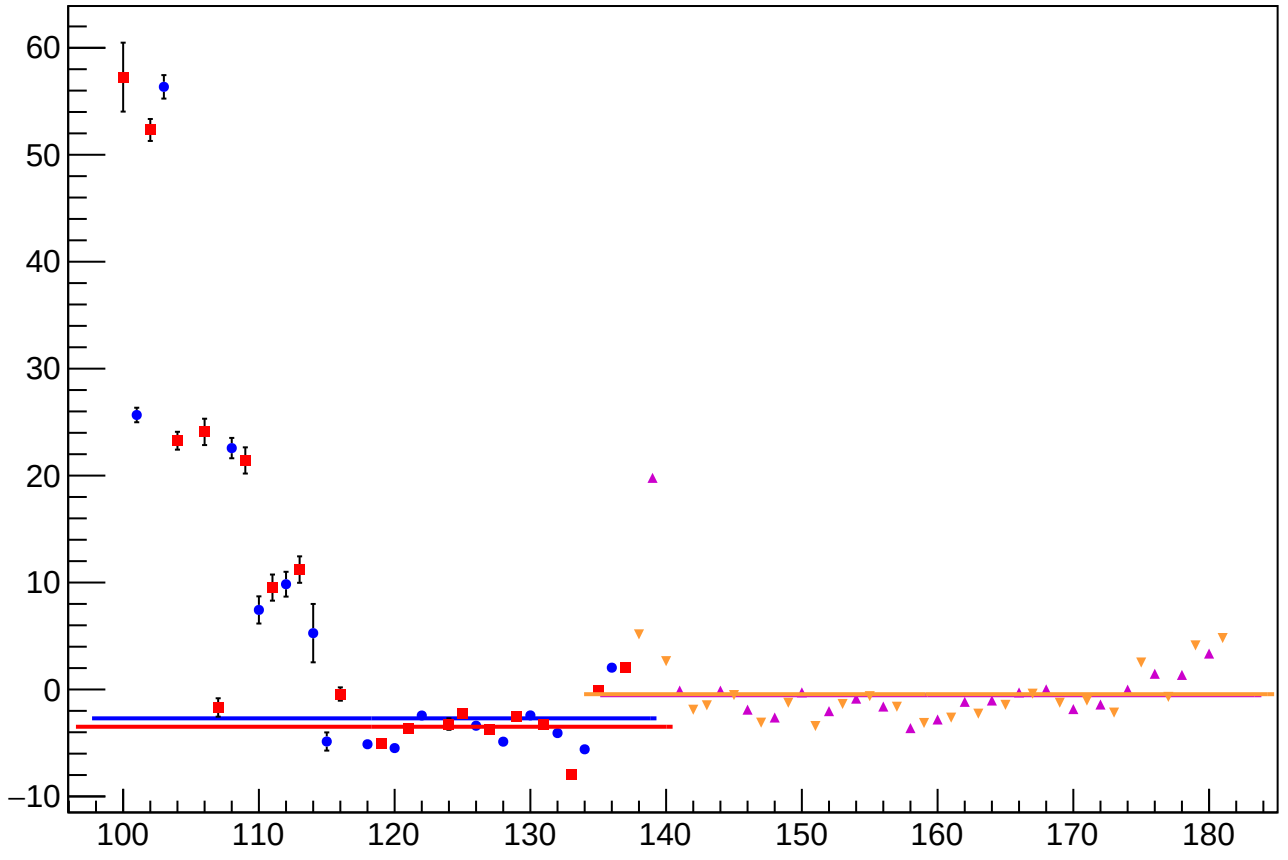
Right Out: 1.536+/-0.078 χ^2/NDF: 2411.2/18

Left In: -2.453+/-0.030 χ^2/NDF:19127.5/20

+ sign -2.563+/-0.027 χ^2/NDF: 25192.4/38

All: -2.260+/-0.020 χ^2/NDF: 49252.8/78

- sign -1.938+/-0.028 χ^2/NDF: 23805.5/39



Right In: -2.699+/-0.071 χ^2/NDF: 7103.8/15

Left Out: -0.441+/-0.023 χ^2/NDF:11005.2/22

Right Out: -3.486+/-0.071 χ^2/NDF: 7159.9/18

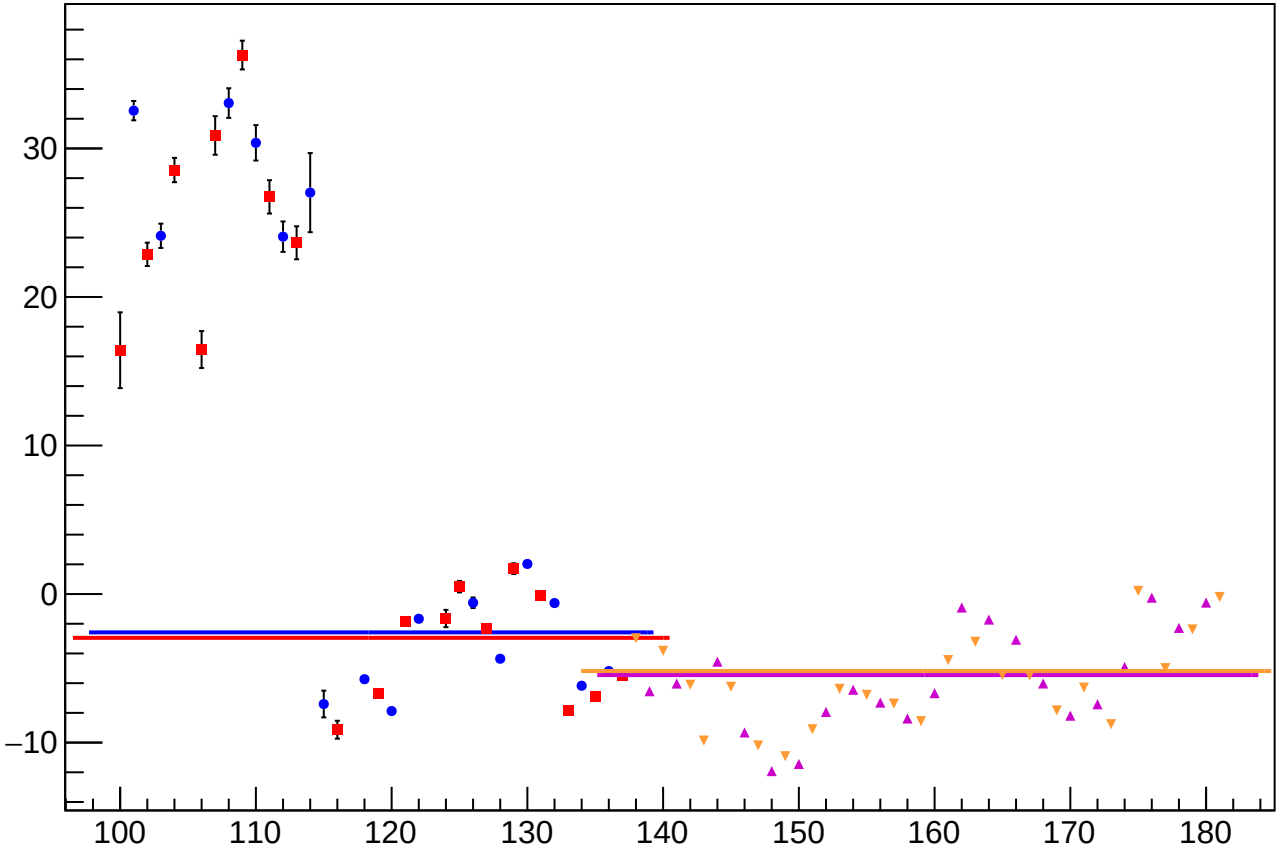
Left In: -0.538+/-0.023 χ^2/NDF:11093.3/20

\+ sign -0.649+/-0.021 χ^2/NDF: 19034.4/38

All: -0.733+/-0.015 χ^2/NDF: 38883.5/78

\- sign -0.820+/-0.022 χ^2/NDF: 19817.9/39

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: -5.185+/-0.029 χ^2/NDF:12786.0/22

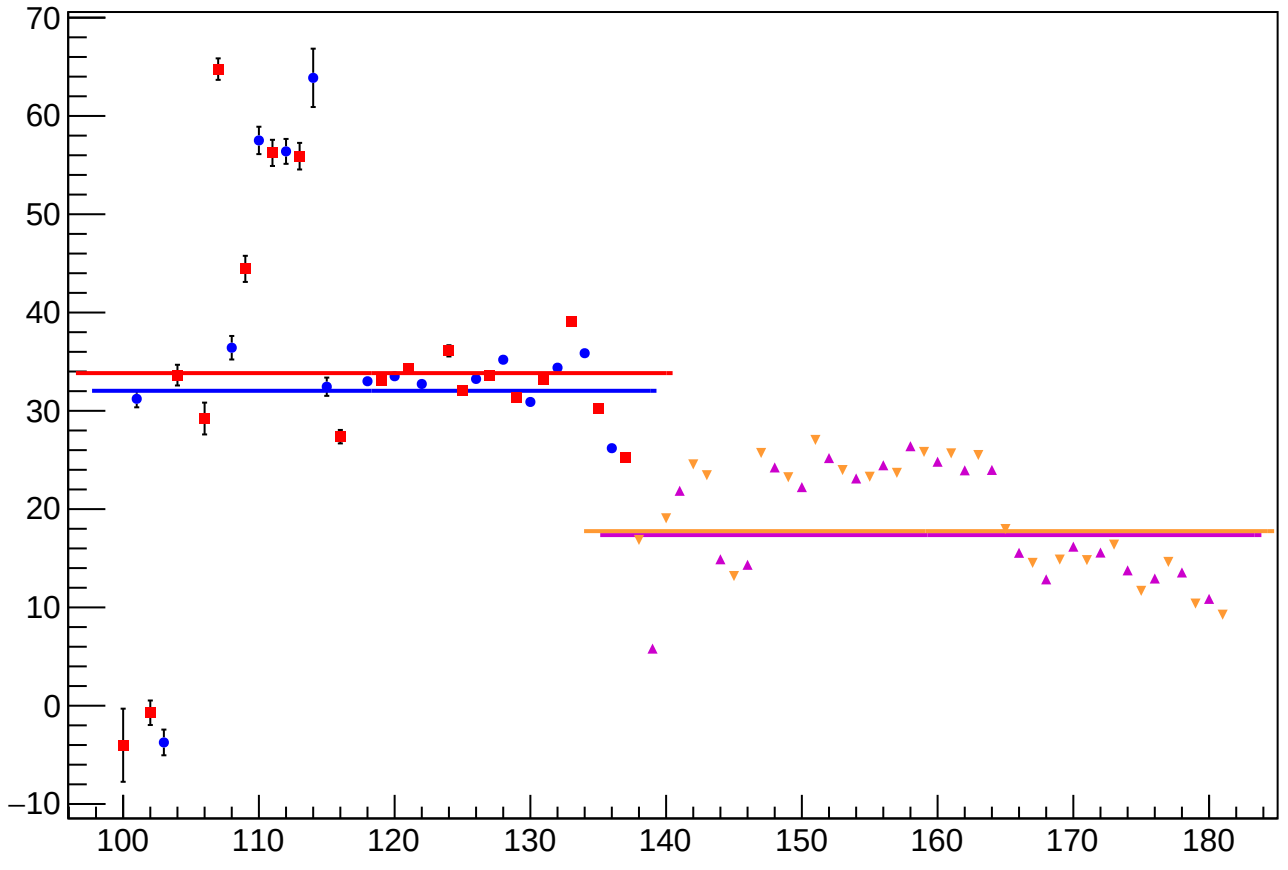
Right Out: -2.948+/-0.085 χ^2/NDF: 8196.4/18

Left In: -5.456+/-0.030 χ^2/NDF:12649.6/20

\+ sign -4.901+/-0.027 χ^2/NDF: 21820.0/38

All: -5.036+/-0.020 χ^2/NDF: 43491.5/78

\- sign -5.179+/-0.028 χ^2/NDF: 21621.5/39



Right In: 32.038+/-0.081 χ^2/NDF: 3255.9/15

Left Out: 17.760+/-0.025 χ^2/NDF:47716.5/22

Right Out: 33.837+/-0.082 χ^2/NDF: 4237.8/18

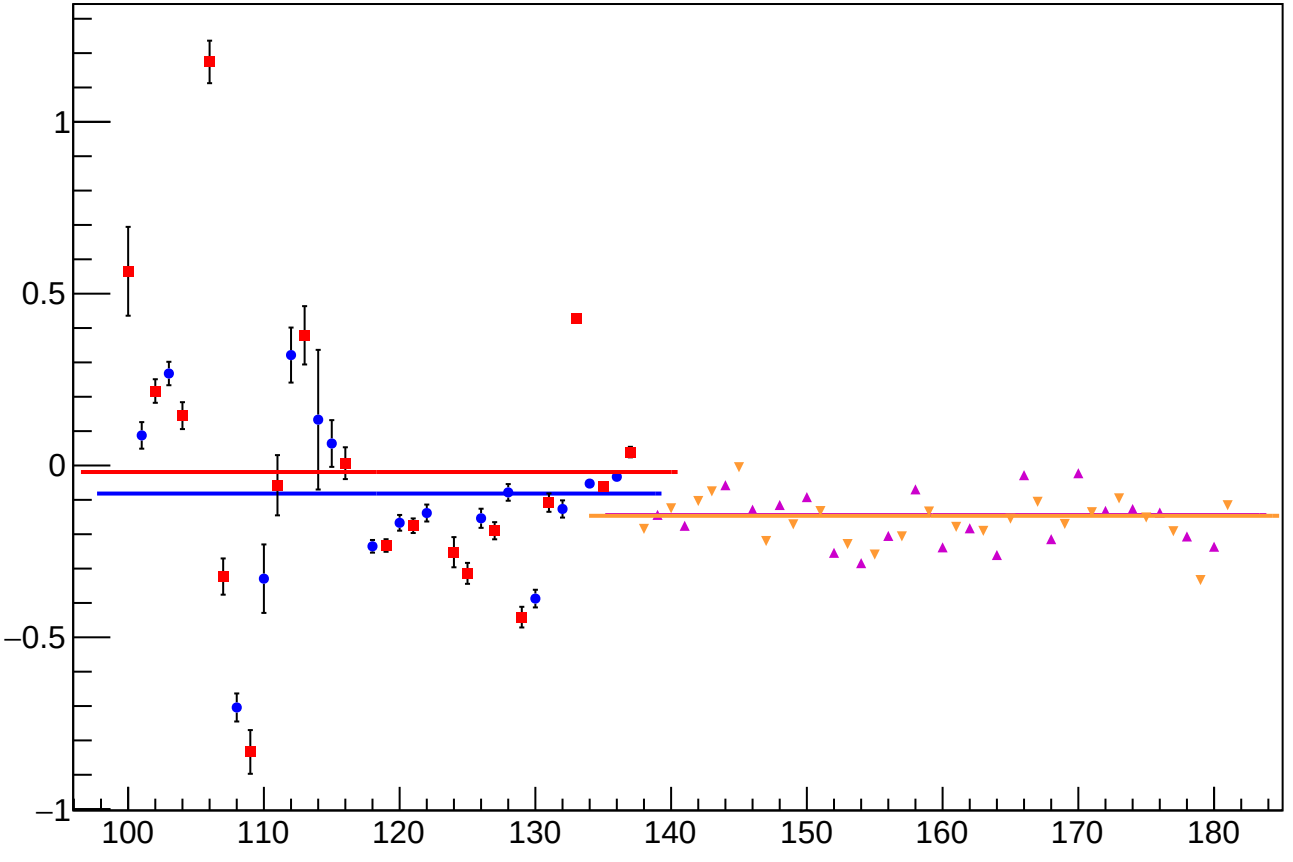
Left In: 17.358+/-0.026 χ^2/NDF:36730.7/20

+ sign 19.027+/-0.024 χ^2/NDF: 79086.4/38

All: 18.950+/-0.017 χ^2/NDF: 157100.1/78

- sign 18.870+/-0.025 χ^2/NDF: 77993.2/39

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: -0.146+/-0.001 χ^2/NDF:3643.3/22

Right Out: -0.019+/-0.005 χ^2/NDF: 2273.7/18

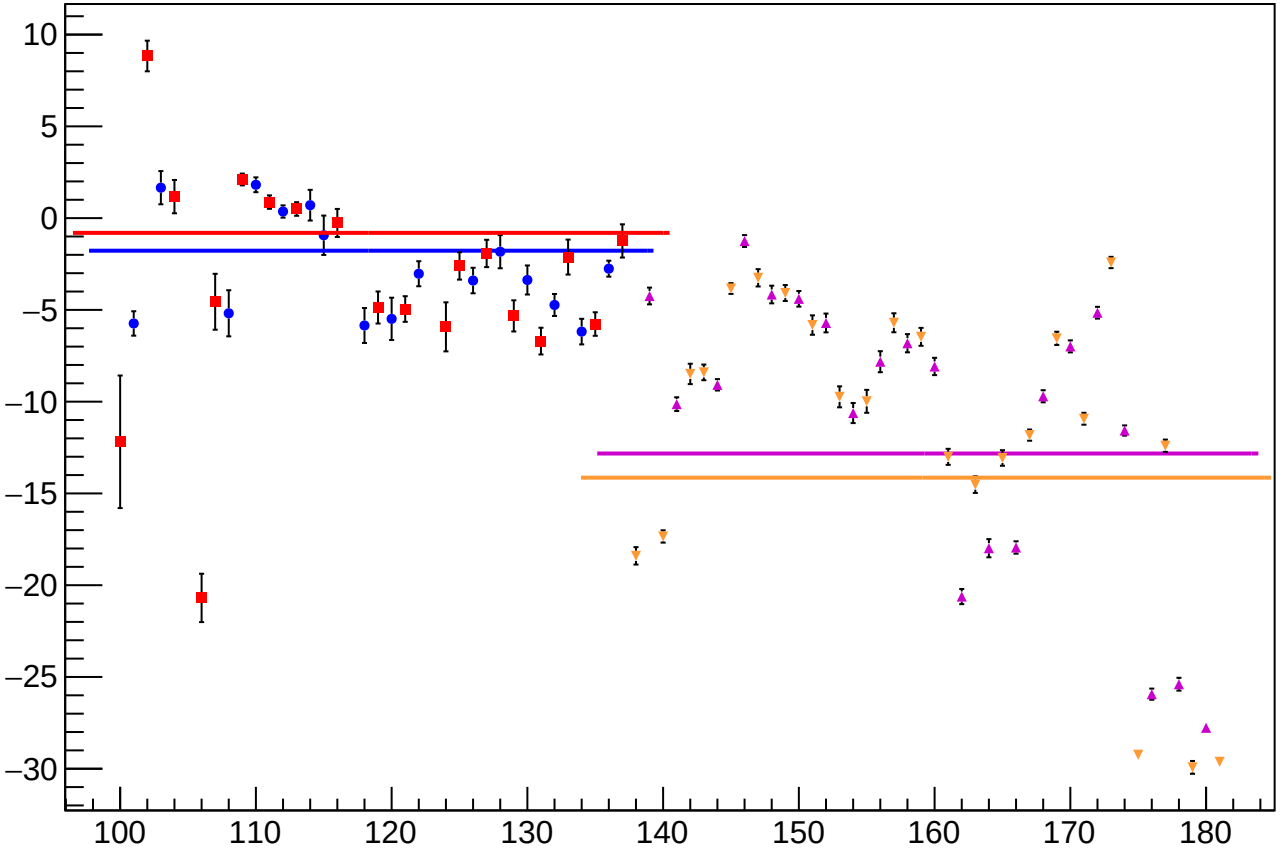
Left In: -0.144+/-0.001 χ^2/NDF:4104.4/20

+ sign -0.143+/-0.001 χ^2/NDF: 4502.7/38

All: -0.141+/-0.001 χ^2/NDF: 11441.9/78

- sign -0.138+/-0.001 χ^2/NDF: 6930.0/39

reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug



Right In: -1.775+/-0.157 χ^2/NDF: 297.7/15

Left Out: -14.141+/-0.078 χ^2/NDF:15046.7/22

Right Out: -0.803+/-0.148 χ^2/NDF: 733.7/18

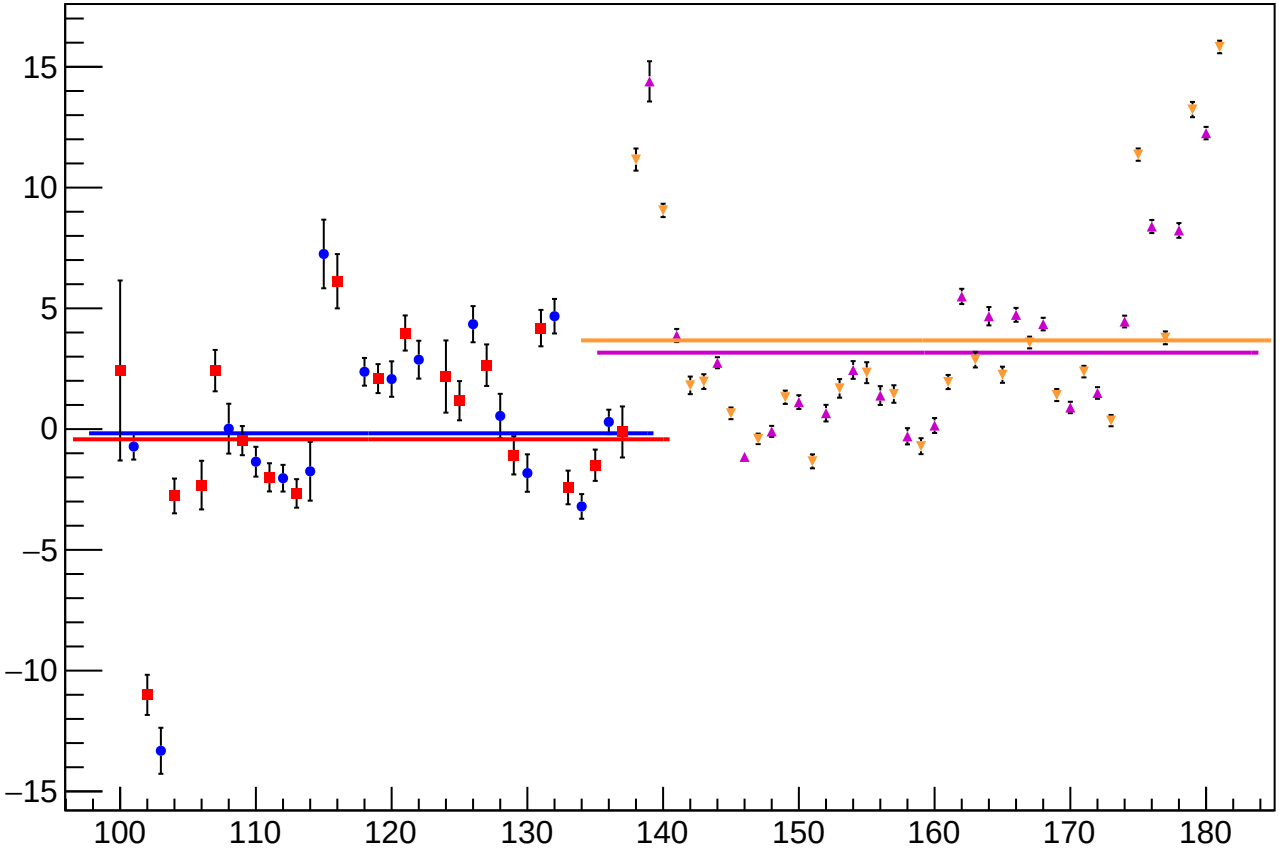
Left In: -12.824+/-0.081 χ^2/NDF:11026.2/20

+ sign -11.679+/-0.070 χ^2/NDF: 20304.9/38

All: -10.885+/-0.050 χ^2/NDF: 37389.4/78

- sign -10.072+/-0.071 χ^2/NDF: 16825.1/39

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug



Right In: -0.174+/-0.173 χ^2/NDF: 403.1/15

Left Out: 3.673+/-0.060 χ^2/NDF:6184.3/22

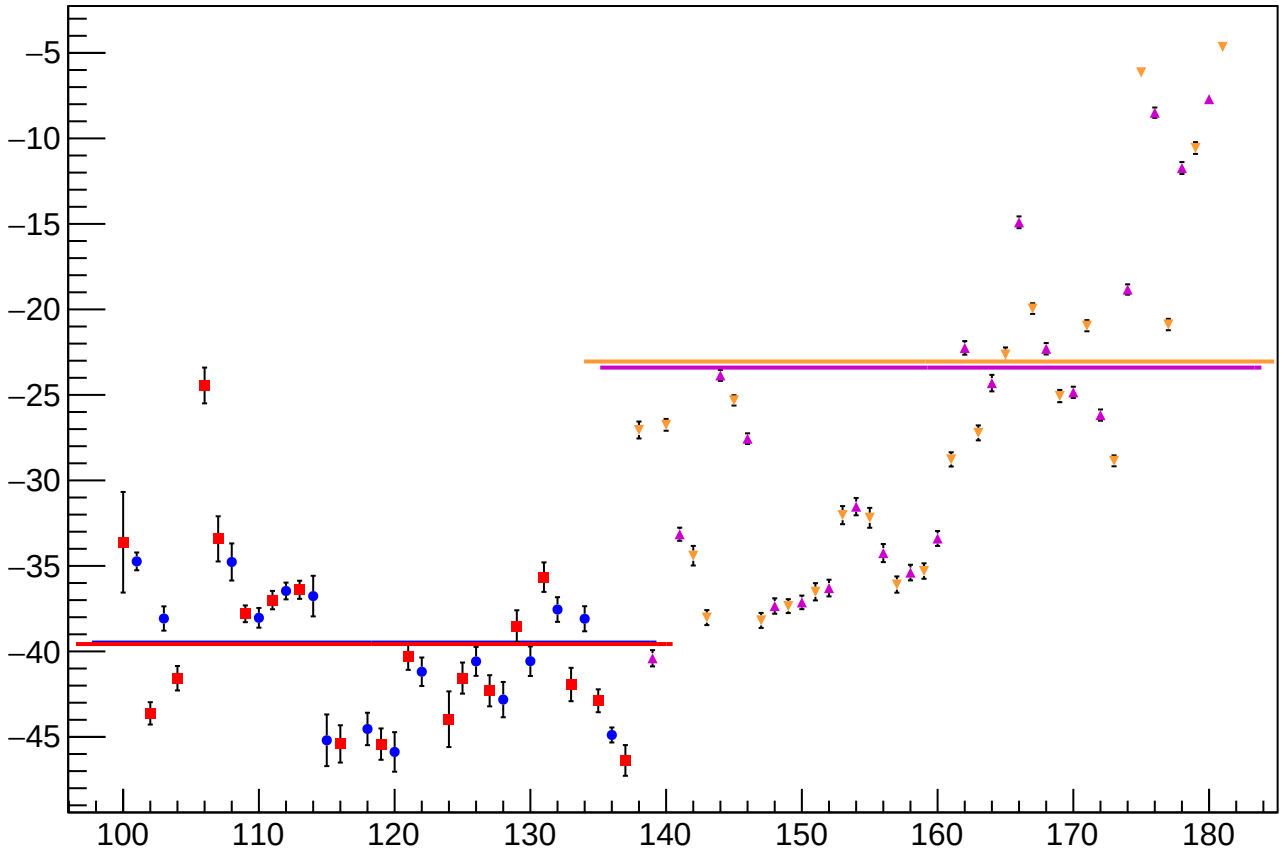
Right Out: -0.421+/-0.177 χ^2/NDF: 366.3/18

Left In: 3.166+/-0.061 χ^2/NDF:3392.4/20

+ sign 3.264+/-0.056 χ^2/NDF: 7029.3/38

All: 3.030+/-0.040 χ^2/NDF: 11189.5/78

- sign 2.785+/-0.058 χ^2/NDF: 4124.9/39



Right In: -39.484+/-0.180 χ^2/NDF: 409.3/15

Left Out: -23.047+/-0.078 χ^2/NDF:18484.5/22

Right Out: -39.570+/-0.181 χ^2/NDF: 553.5/18

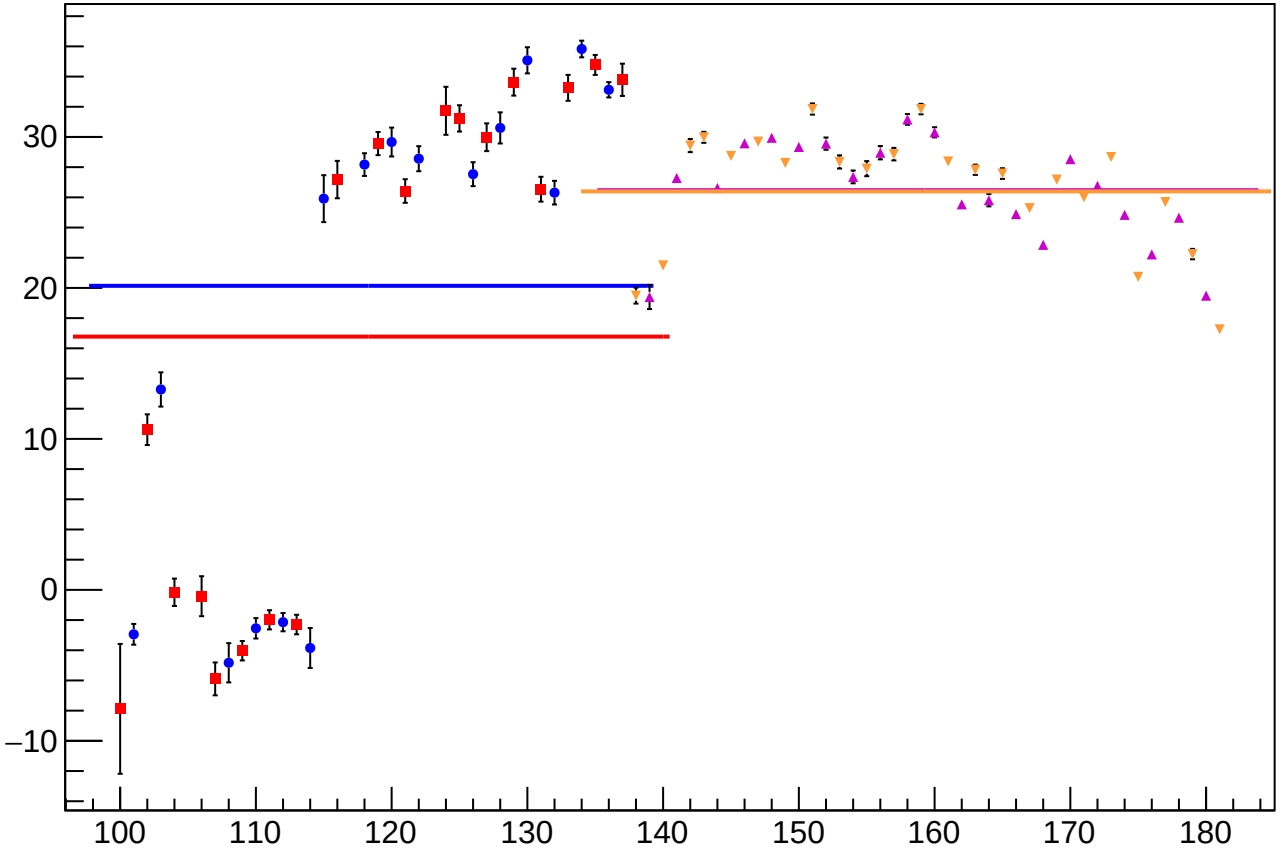
Left In: -23.403+/-0.080 χ^2/NDF:14843.0/20

+ sign -25.648+/-0.072 χ^2/NDF: 25895.2/38

All: -25.849+/-0.051 χ^2/NDF: 47976.0/78

- sign -26.061+/-0.073 χ^2/NDF: 22064.5/39

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug



Right In: 20.140+/-0.195 χ^2/NDF: 6684.6/15

Left Out: 26.395+/-0.067 χ^2/NDF:3146.1/22

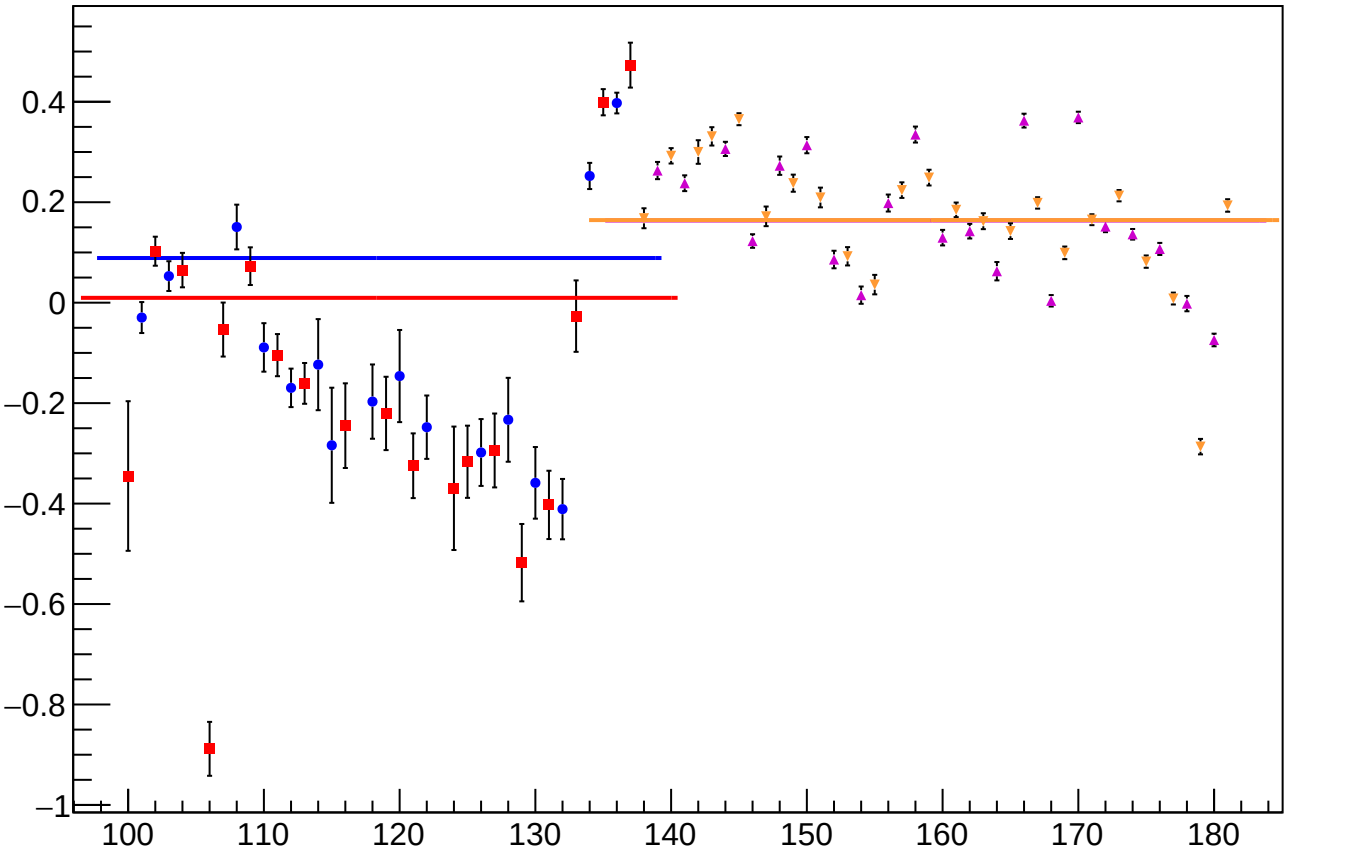
Right Out: 16.775+/-0.200 χ^2/NDF: 6739.1/18

Left In: 26.474+/-0.069 χ^2/NDF:2028.4/20

+ sign 25.727+/-0.064 χ^2/NDF: 10752.5/38

All: 25.589+/-0.045 χ^2/NDF: 21638.1/78

- sign 25.445+/-0.065 χ^2/NDF: 10876.0/39



Right In: 0.089+/-0.010 χ^2/NDF: 563.9/15

Left Out: 0.164+/-0.003 χ^2/NDF:1736.2/22

Right Out: 0.010+/-0.011 χ^2/NDF: 834.8/18

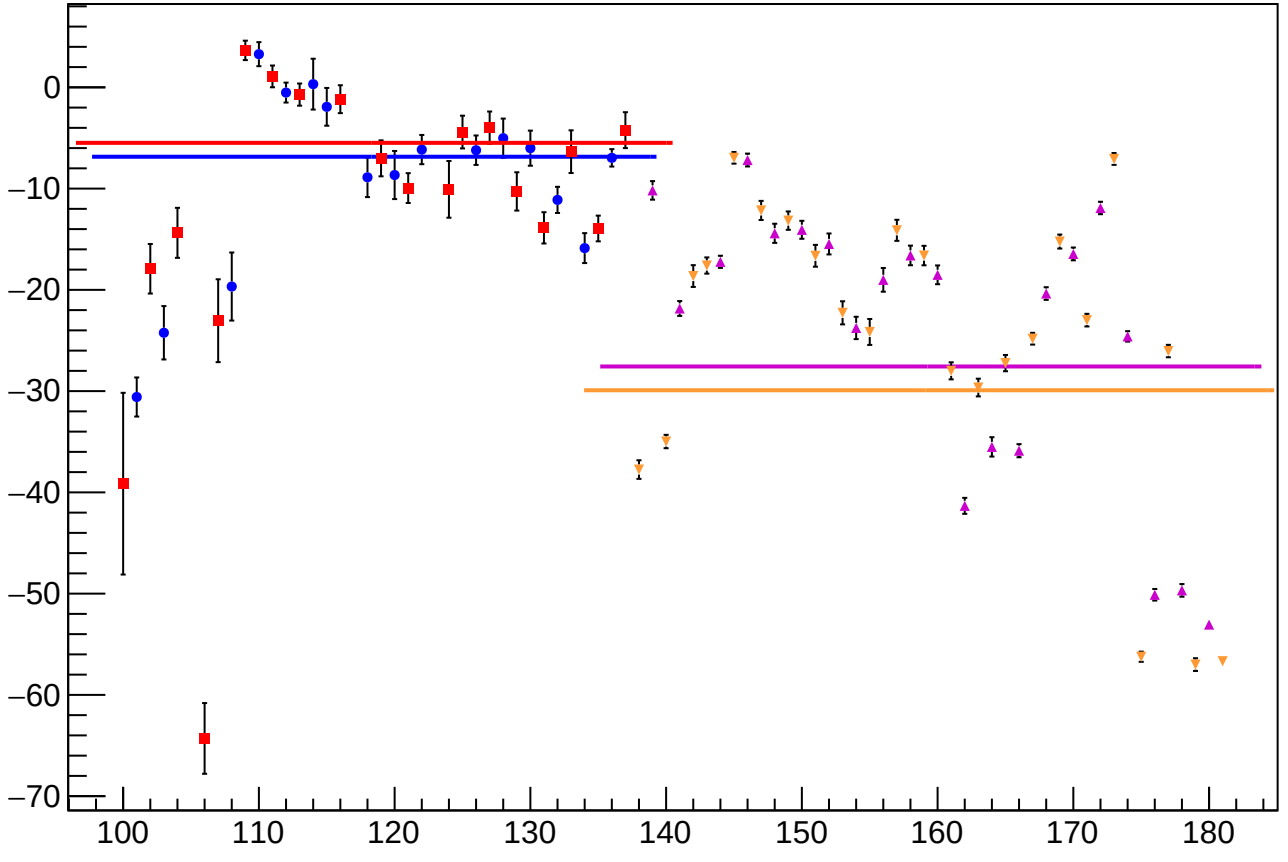
Left In: 0.164+/-0.003 χ^2/NDF:1775.1/20

+ sign 0.159+/-0.003 χ^2/NDF: 2348.6/38

All: 0.156+/-0.002 χ^2/NDF: 5141.7/78

- sign 0.152+/-0.003 χ^2/NDF: 2791.0/39

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug



Right In: -6.853+/-0.376 χ^2/NDF: 390.1/15

Left Out: -29.916+/-0.150 χ^2/NDF:14016.4/22

Right Out: -5.483+/-0.369 χ^2/NDF: 606.5/18

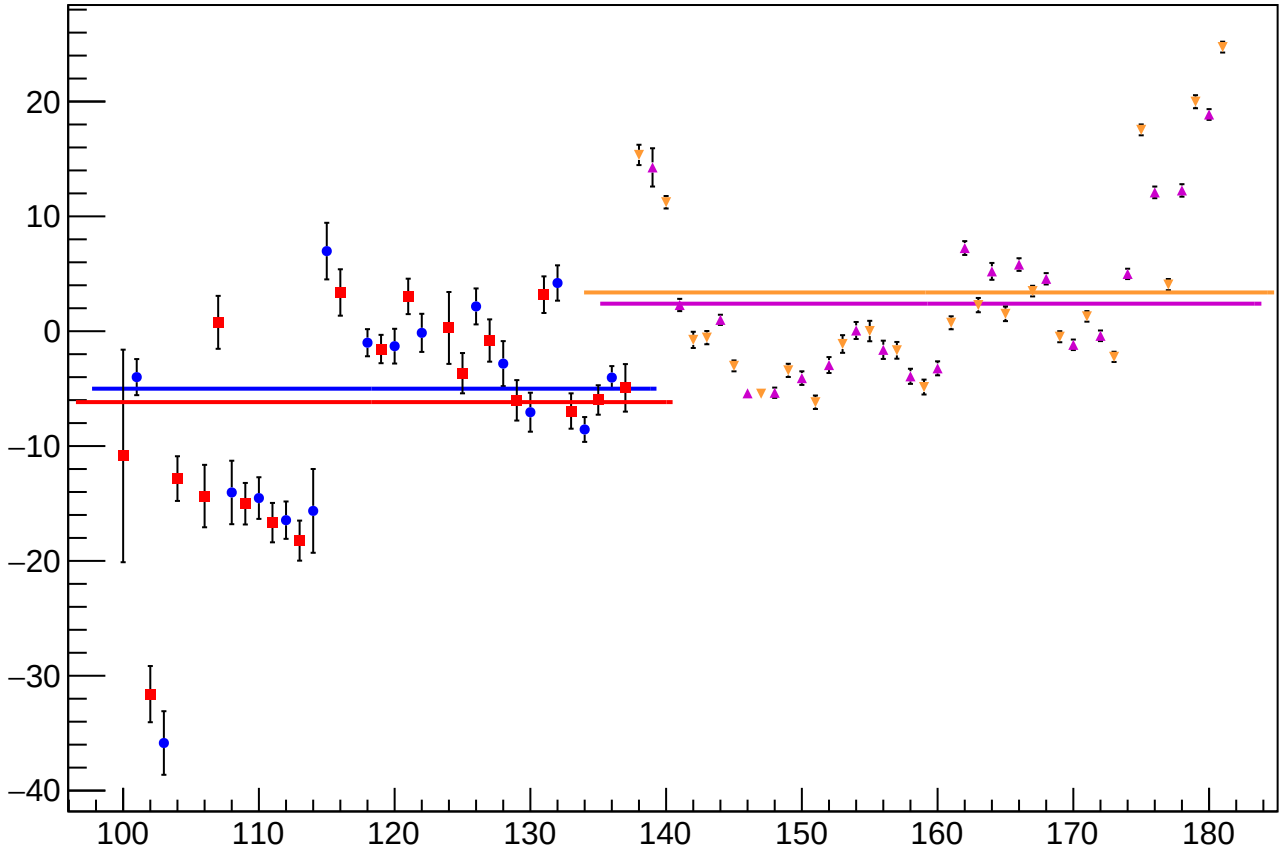
Left In: -27.567+/-0.155 χ^2/NDF:9815.2/20

+ sign -26.759+/-0.139 χ^2/NDF: 17660.6/38

All: -25.545+/-0.100 χ^2/NDF: 31285.7/78

- sign -24.267+/-0.143 χ^2/NDF: 13468.4/39

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug



Right In: -5.005+/-0.395 χ^2/NDF: 341.7/15

Left Out: 3.375+/-0.115 χ^2/NDF:5790.2/22

Right Out: -6.173+/-0.417 χ^2/NDF: 369.1/18

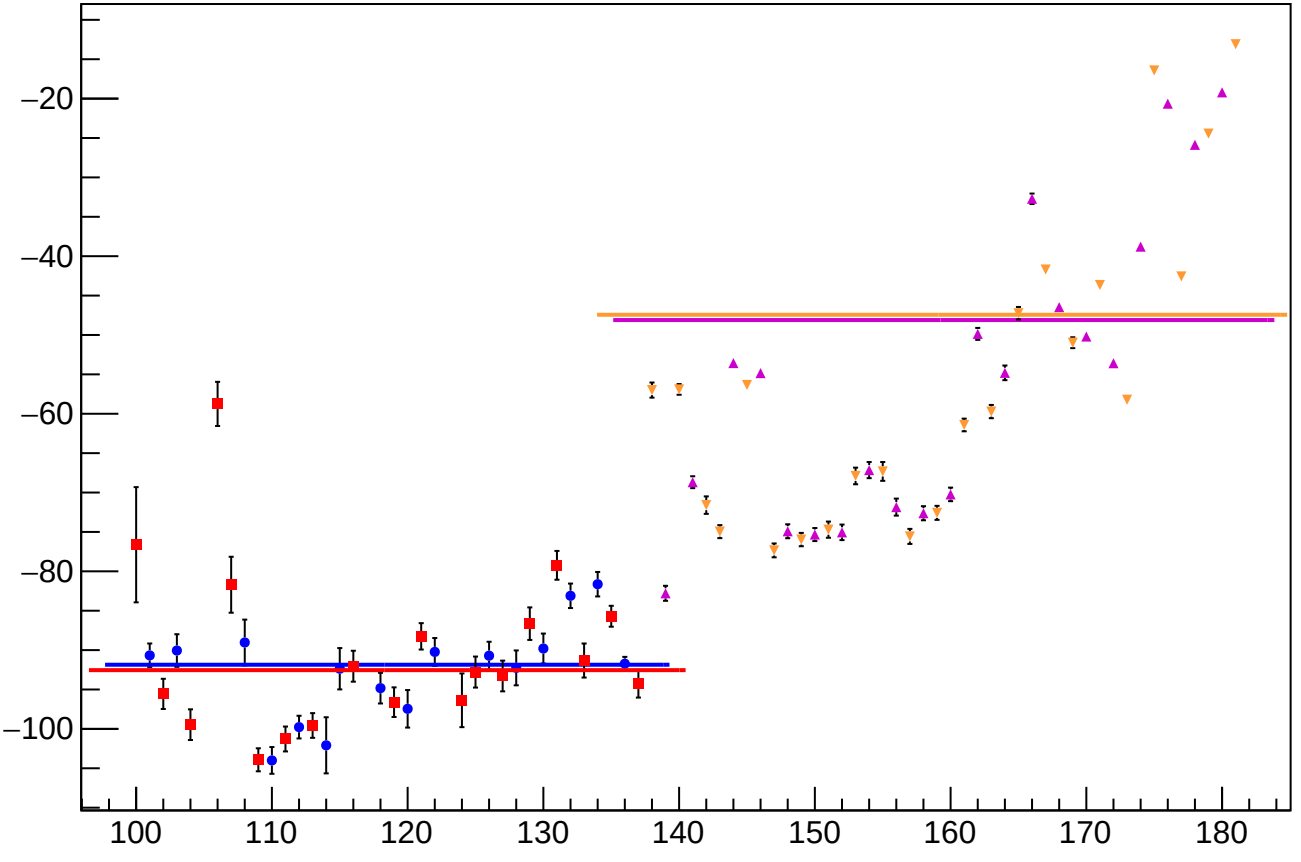
Left In: 2.397+/-0.117 χ^2/NDF:3382.6/20

+ sign 2.722+/-0.110 χ^2/NDF: 6546.2/38

All: 2.255+/-0.079 χ^2/NDF: 10726.7/78

- sign 1.767+/-0.113 χ^2/NDF: 4143.9/39

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug



Right In: -91.856+/-0.424 χ^2/NDF: 177.3/15

Left Out: -47.435+/-0.149 χ^2/NDF:19460.3/22

Right Out: -92.544+/-0.439 χ^2/NDF: 387.8/18

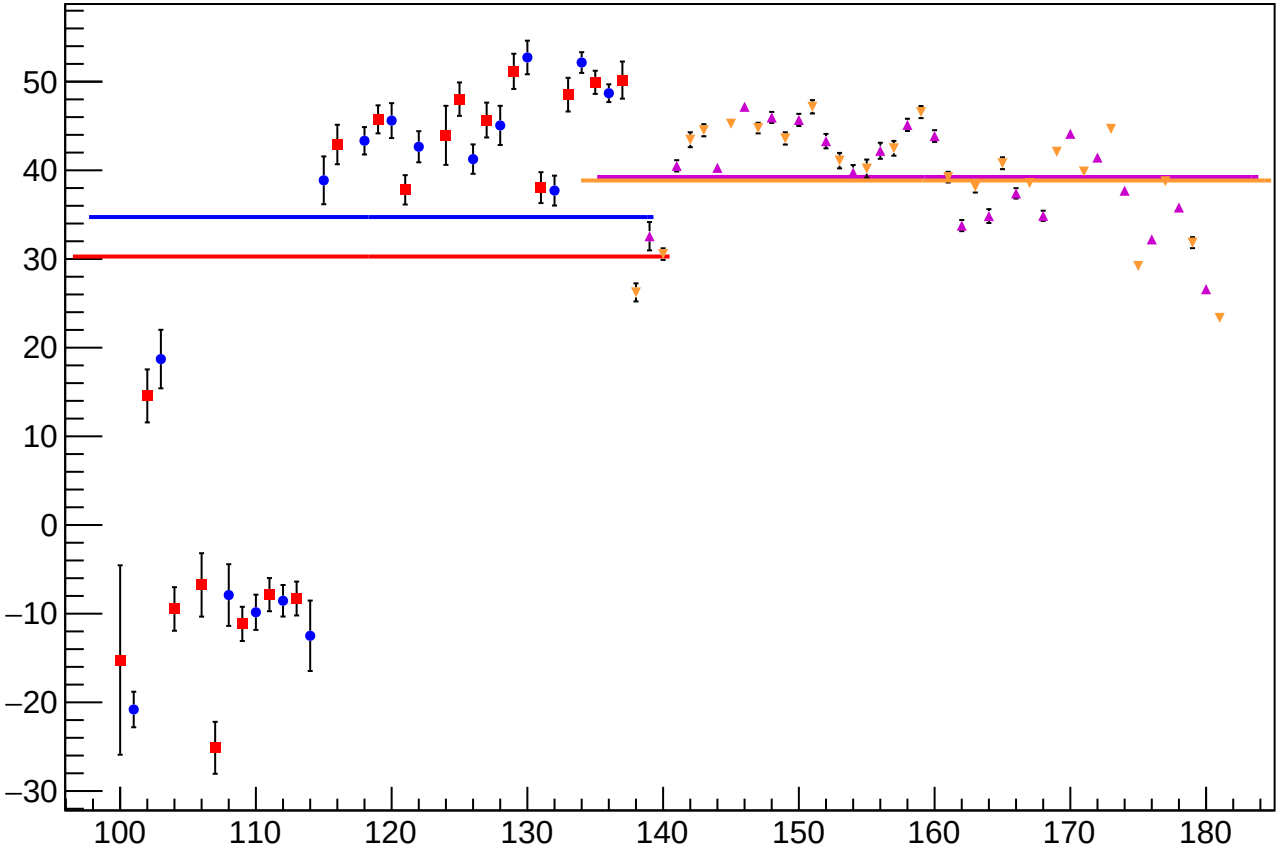
Left In: -48.107+/-0.154 χ^2/NDF:15458.1/20

+ sign -52.340+/-0.141 χ^2/NDF: 29399.6/38

All: -52.642+/-0.101 χ^2/NDF: 54371.3/78

- sign -52.962+/-0.145 χ^2/NDF: 24962.3/39

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug



Right In: 34.729+/-0.442 χ^2/NDF: 2809.1/15

Left Out: 38.852+/-0.129 χ^2/NDF:2623.5/22

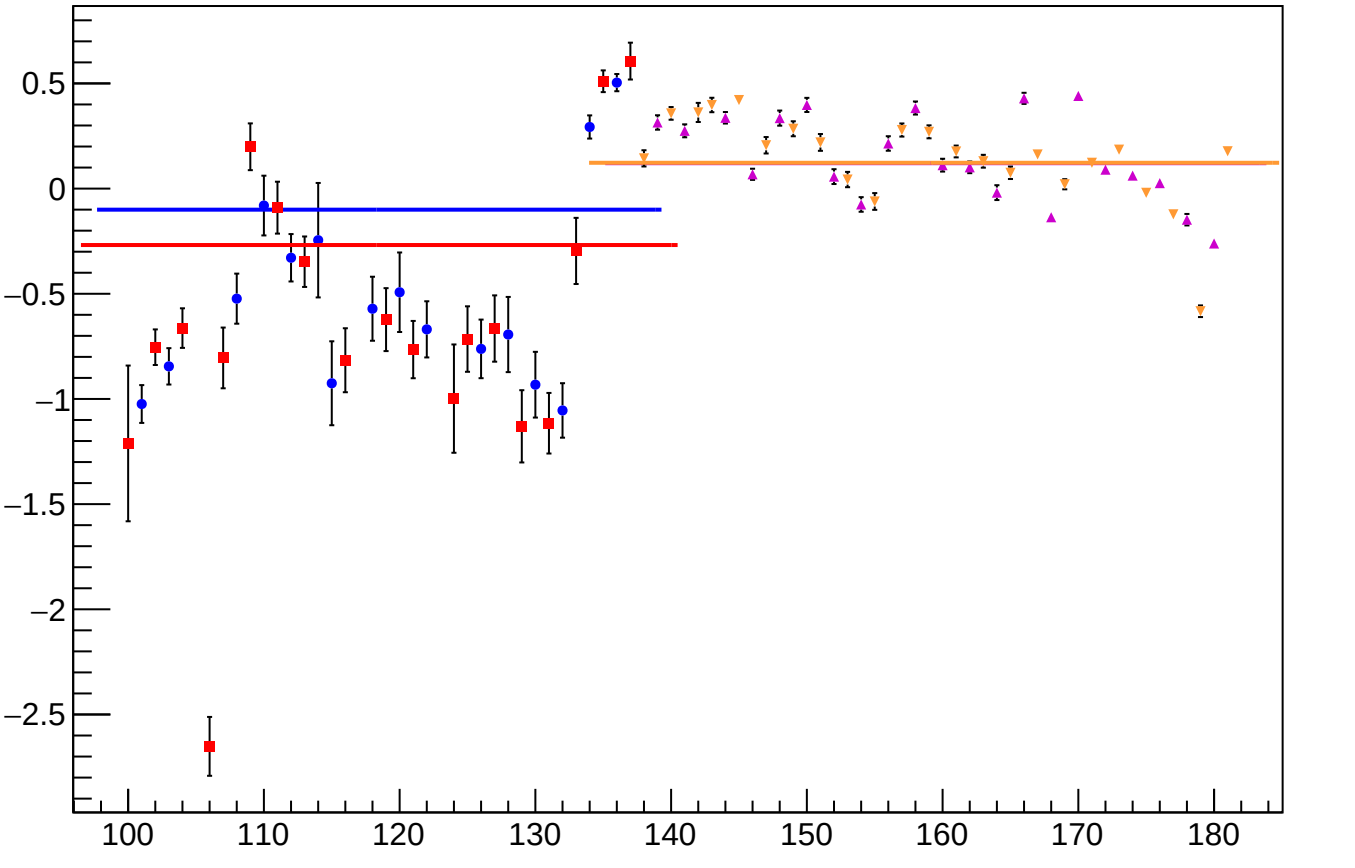
Right Out: 30.279+/-0.467 χ^2/NDF: 2911.2/18

Left In: 39.251+/-0.132 χ^2/NDF:1824.7/20

+ sign 38.527+/-0.124 χ^2/NDF: 5512.7/38

All: 38.555+/-0.089 χ^2/NDF: 10590.3/78

- sign 38.586+/-0.127 χ^2/NDF: 5077.4/39



Right In: -0.100+/-0.024 χ^2/NDF: 631.4/15

Left Out: 0.123+/-0.006 χ^2/NDF:1275.7/22

Right Out: -0.268+/-0.026 χ^2/NDF: 822.4/18

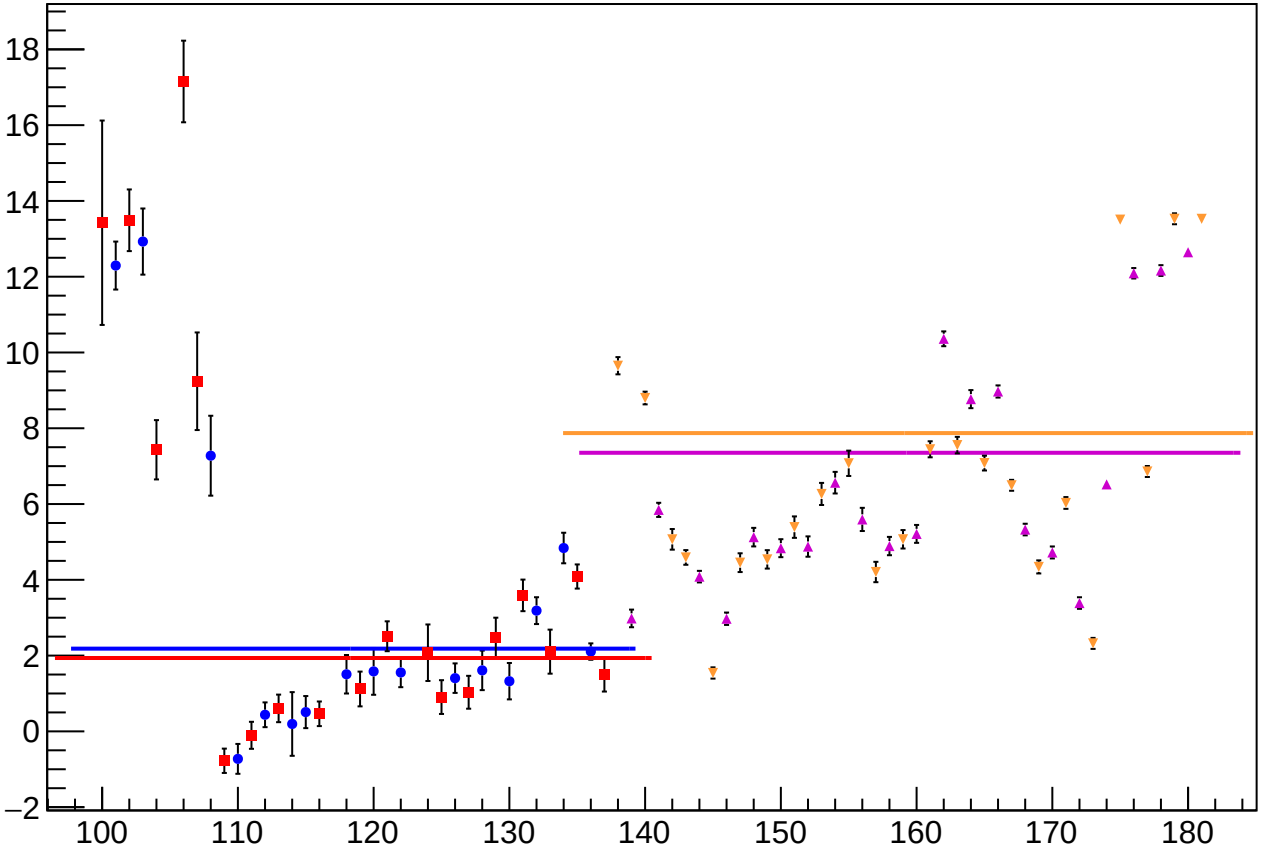
Left In: 0.121+/-0.006 χ^2/NDF:1249.9/20

+ sign 0.110+/-0.006 χ^2/NDF: 1988.5/38

All: 0.106+/-0.004 χ^2/NDF: 4269.5/78

- sign 0.102+/-0.006 χ^2/NDF: 2279.9/39

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: 7.873+/-0.037 χ^2/NDF:12188.8/22

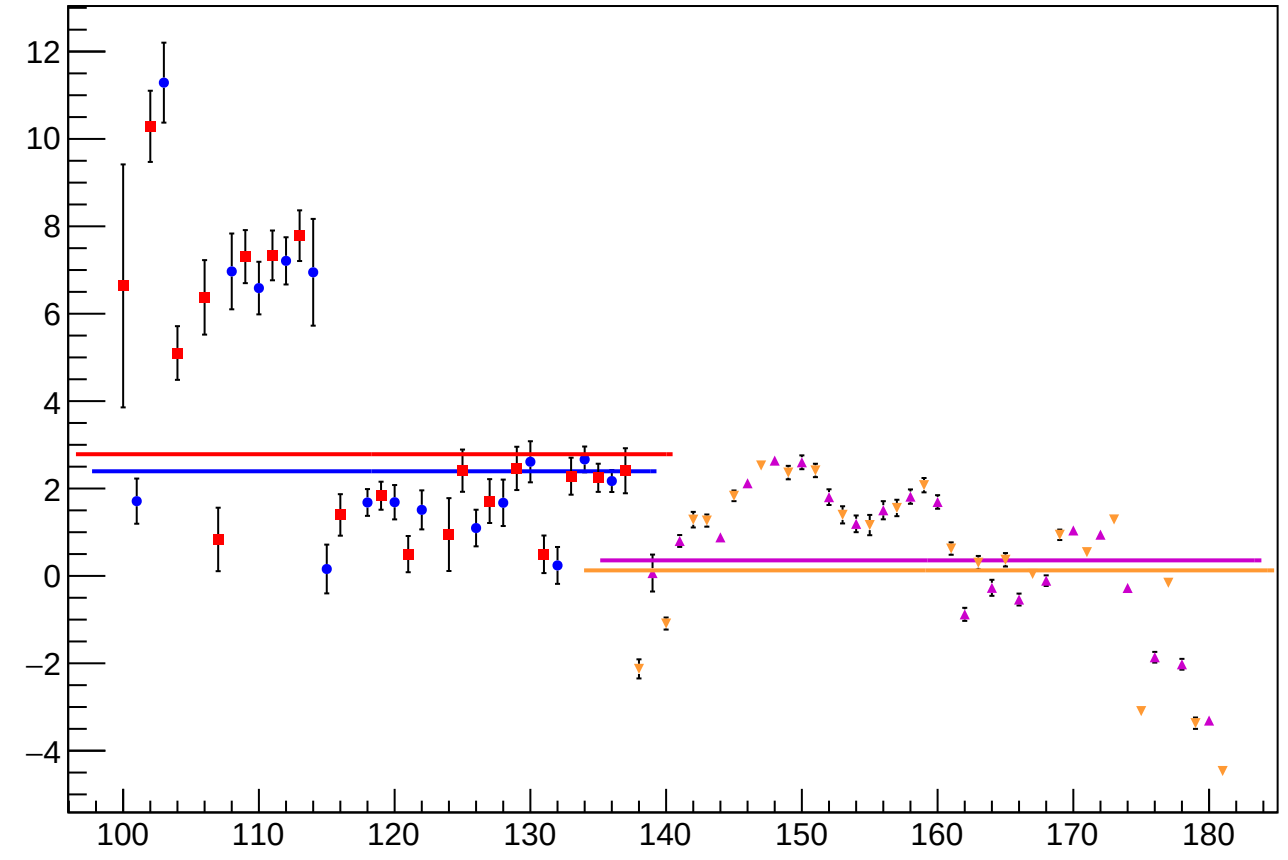
Right Out: 1.936+/-0.105 χ^2/NDF: 717.1/18

Left In: 7.353+/-0.038 χ^2/NDF:8170.3/20

+ sign 7.252+/-0.035 χ^2/NDF: 15404.3/38

All: 6.998+/-0.025 χ^2/NDF: 26734.7/78

- sign 6.726+/-0.036 χ^2/NDF: 11219.3/39



Right In: 2.394+/-0.108 χ^2/NDF: 333.9/15

Left Out: 0.127+/-0.029 χ^2/NDF:5107.5/22

Right Out: 2.785+/-0.116 χ^2/NDF: 410.9/18

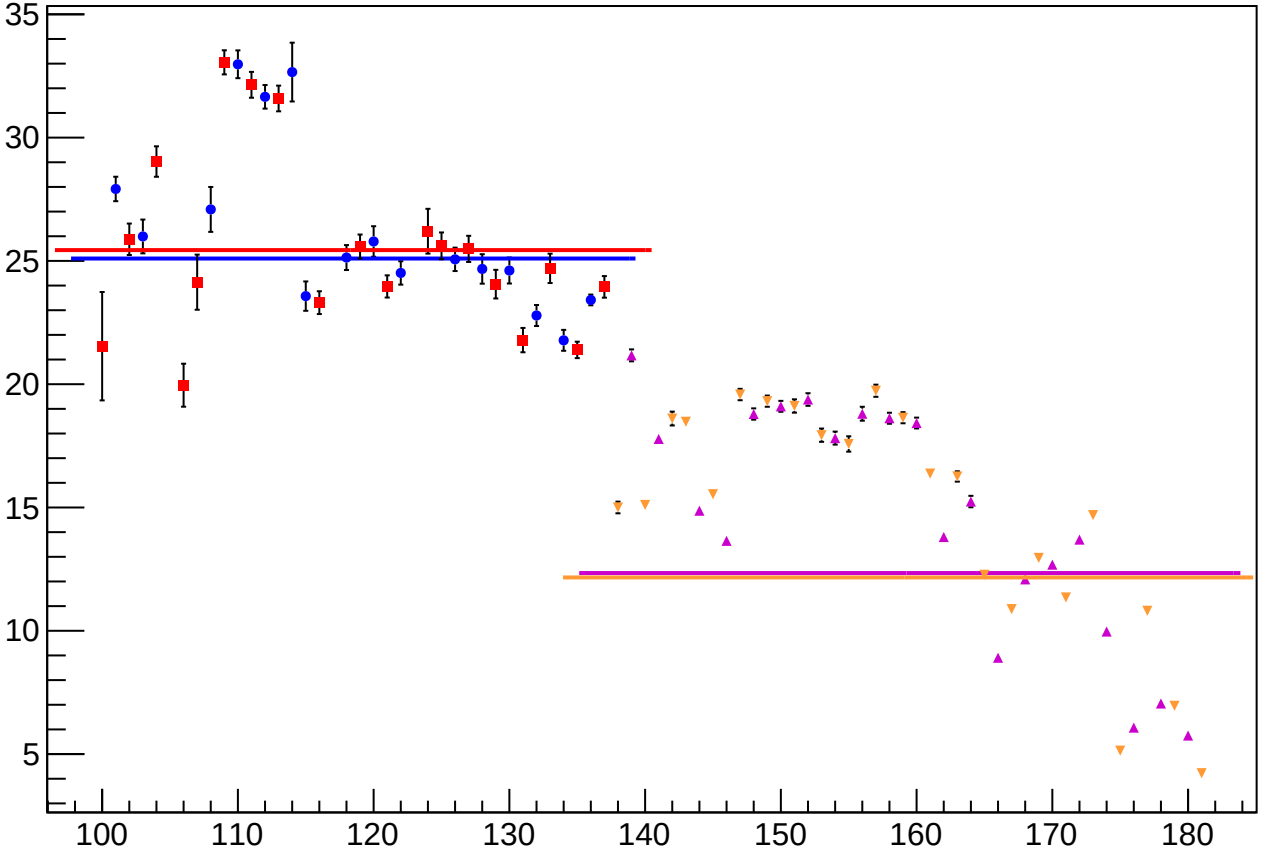
Left In: 0.356+/-0.029 χ^2/NDF:3306.3/20

+ sign 0.274+/-0.028 χ^2/NDF: 5851.1/38

All: 0.384+/-0.020 χ^2/NDF: 10014.4/78

- sign 0.500+/-0.028 χ^2/NDF: 4130.4/39

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: 12.163+/-0.037 χ^2/NDF:19523.5/22

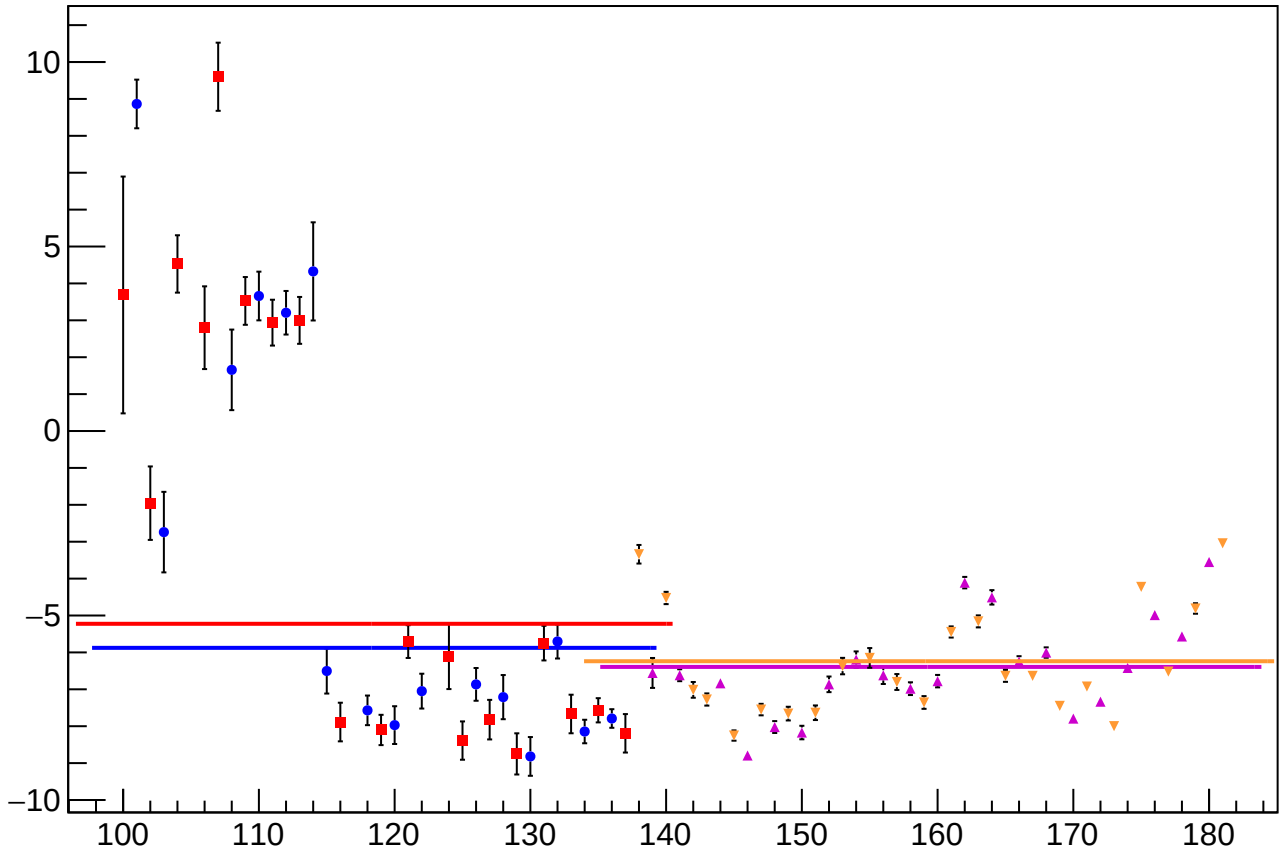
Right Out: 25.438+/-0.124 χ^2/NDF: 877.6/18

Left In: 12.341+/-0.038 χ^2/NDF:15479.2/20

+ sign 13.314+/-0.035 χ^2/NDF: 31176.5/38

All: 13.387+/-0.025 χ^2/NDF: 57737.0/78

- sign 13.464+/-0.036 χ^2/NDF: 26551.7/39



Right In: -5.876+/-0.121 χ^2/NDF: 1251.4/15

Left Out: -6.239+/-0.032 χ^2/NDF:2292.0/22

Right Out: -5.225+/-0.129 χ^2/NDF: 1292.0/18

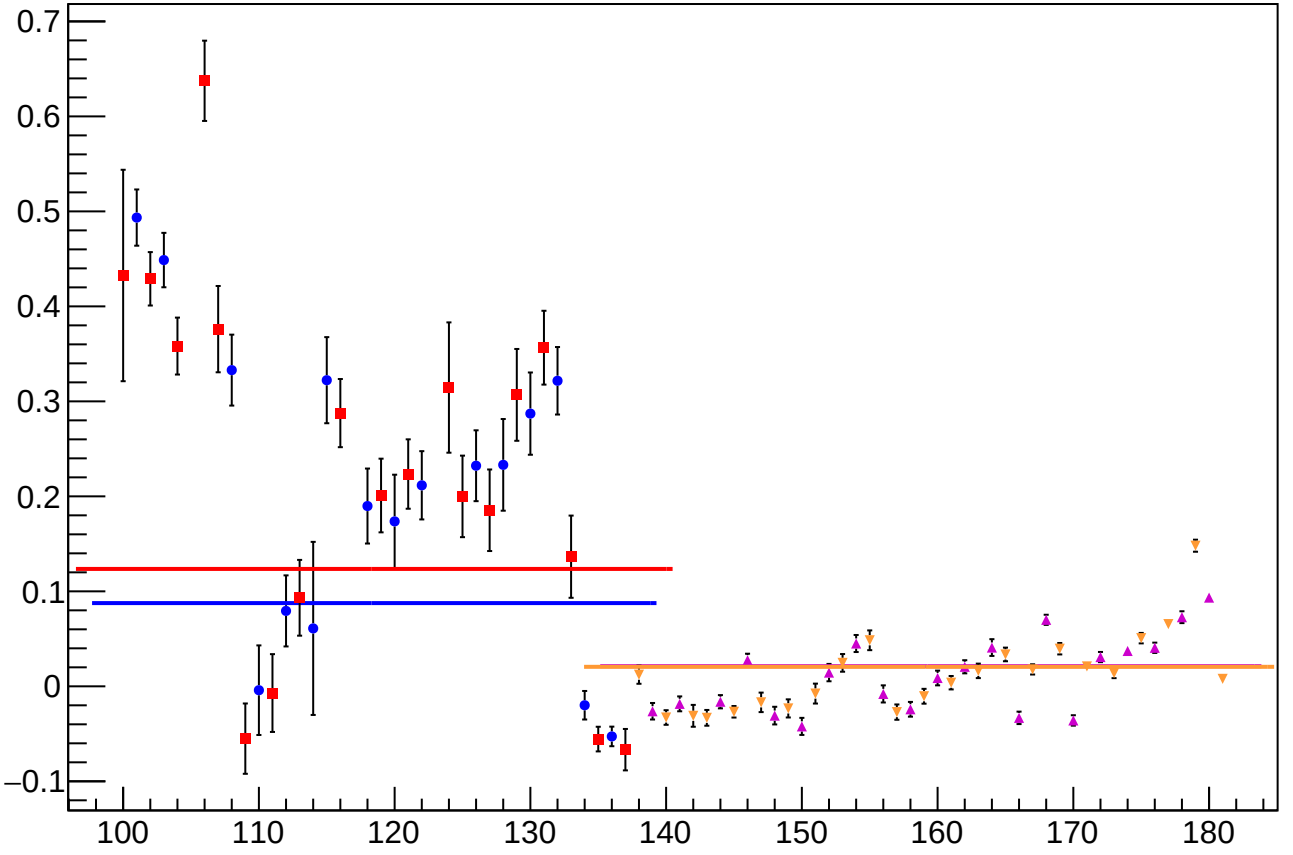
Left In: -6.393+/-0.033 χ^2/NDF:1901.7/20

+ sign -6.215+/-0.031 χ^2/NDF: 3551.9/38

All: -6.268+/-0.022 χ^2/NDF: 6828.0/78

- sign -6.323+/-0.032 χ^2/NDF: 3270.2/39

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: 0.021+/-0.001 χ^2/NDF:809.5/22

Right Out: 0.124+/-0.007 χ^2/NDF: 762.3/18

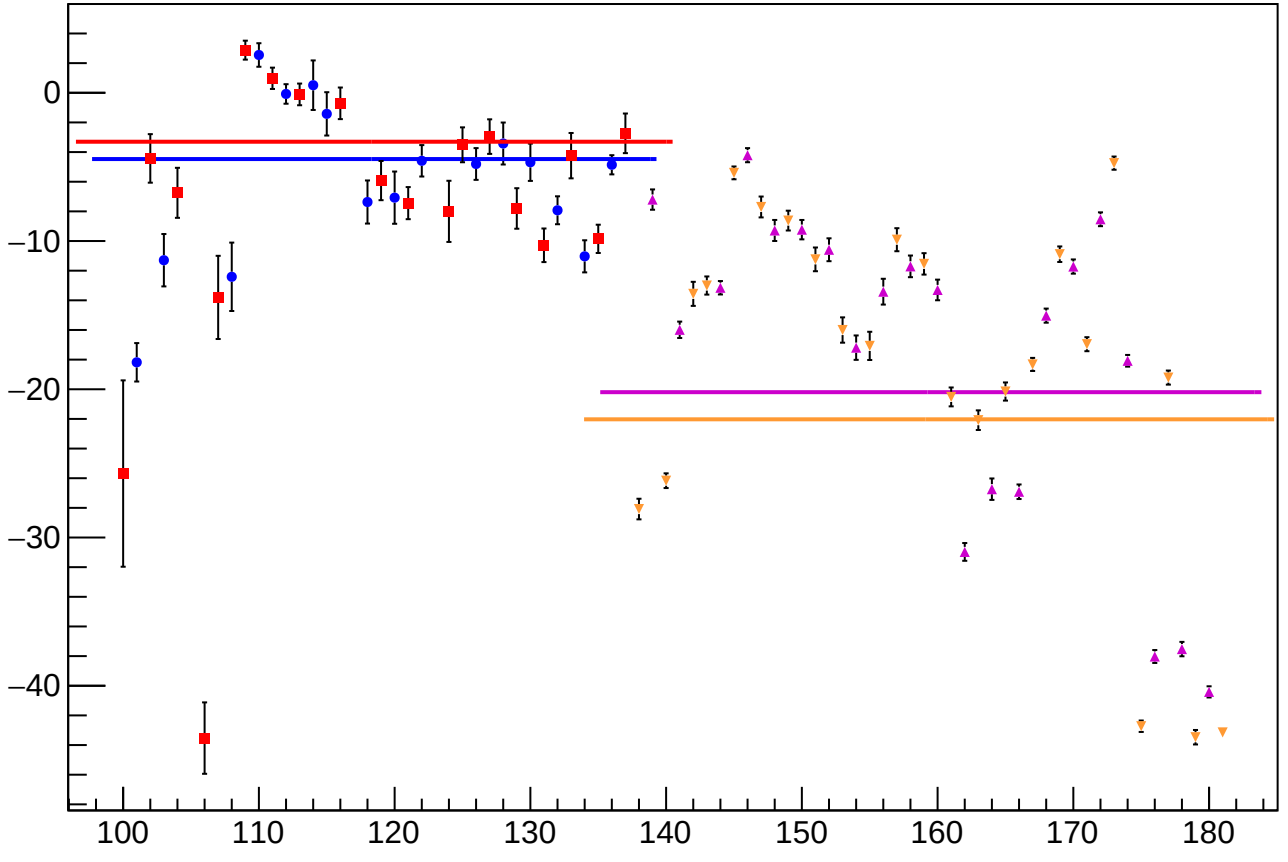
Left In: 0.021+/-0.001 χ^2/NDF:768.3/20

+ sign 0.024+/-0.001 χ^2/NDF: 1676.4/38

All: 0.024+/-0.001 χ^2/NDF: 3395.2/78

- sign 0.025+/-0.001 χ^2/NDF: 1718.2/39

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug



Right In: -4.471+/-0.268 χ^2/NDF: 331.8/15

Left Out: -22.027+/-0.114 χ^2/NDF:14444.2/22

Right Out: -3.302+/-0.261 χ^2/NDF: 584.6/18

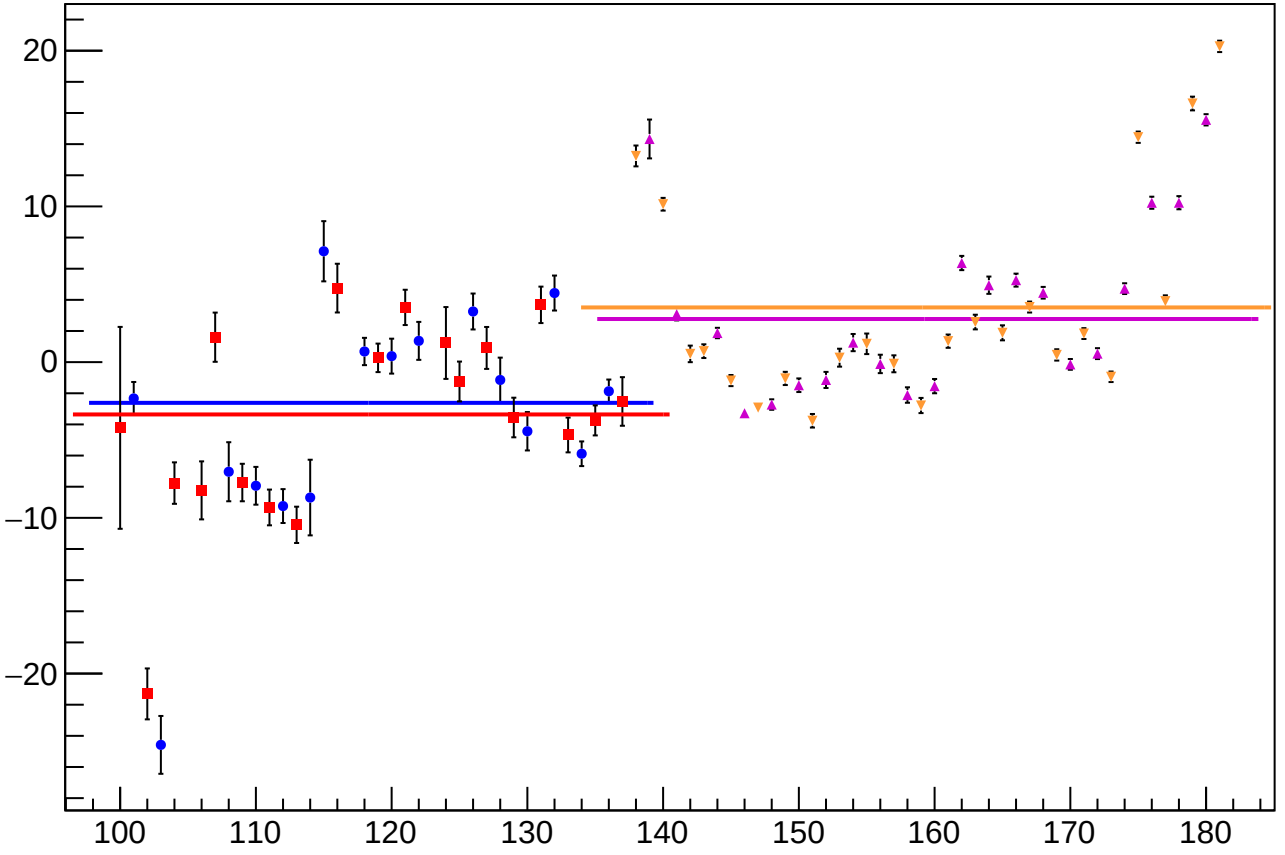
Left In: -20.196+/-0.117 χ^2/NDF:10271.1/20

+ sign -19.360+/-0.105 χ^2/NDF: 18403.8/38

All: -18.379+/-0.075 χ^2/NDF: 32928.6/78

- sign -17.352+/-0.107 χ^2/NDF: 14344.7/39

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug



Right In: -2.615+/-0.286 χ^2/NDF: 351.9/15

Left Out: 3.513+/-0.087 χ^2/NDF:5952.0/22

Right Out: -3.359+/-0.299 χ^2/NDF: 359.6/18

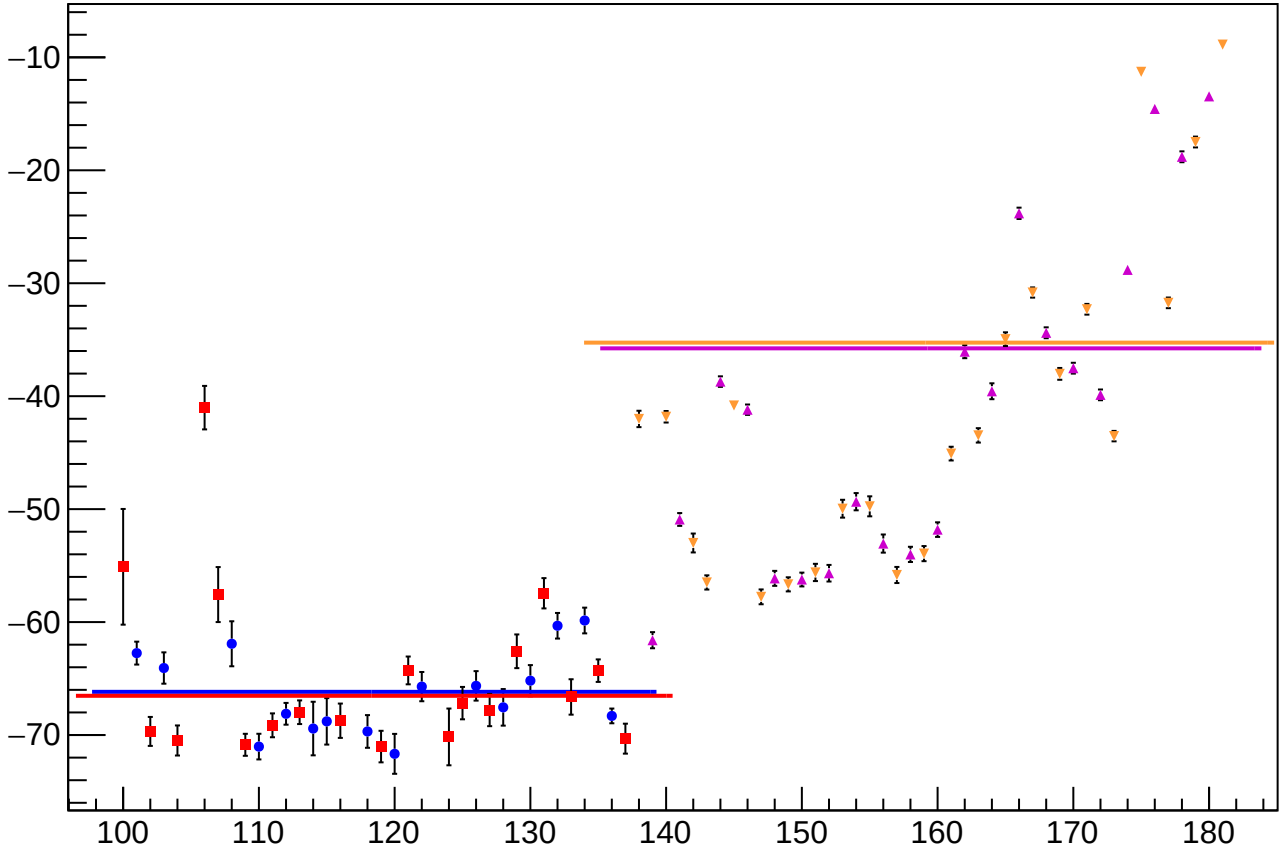
Left In: 2.770+/-0.089 χ^2/NDF:3389.4/20

+ sign 2.993+/-0.083 χ^2/NDF: 6724.8/38

All: 2.640+/-0.060 χ^2/NDF: 10897.1/78

- sign 2.271+/-0.085 χ^2/NDF: 4135.6/39

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug



Right In: -66.176+/-0.304 χ^2/NDF: 129.2/15

Left Out: -35.258+/-0.113 χ^2/NDF:19216.6/22

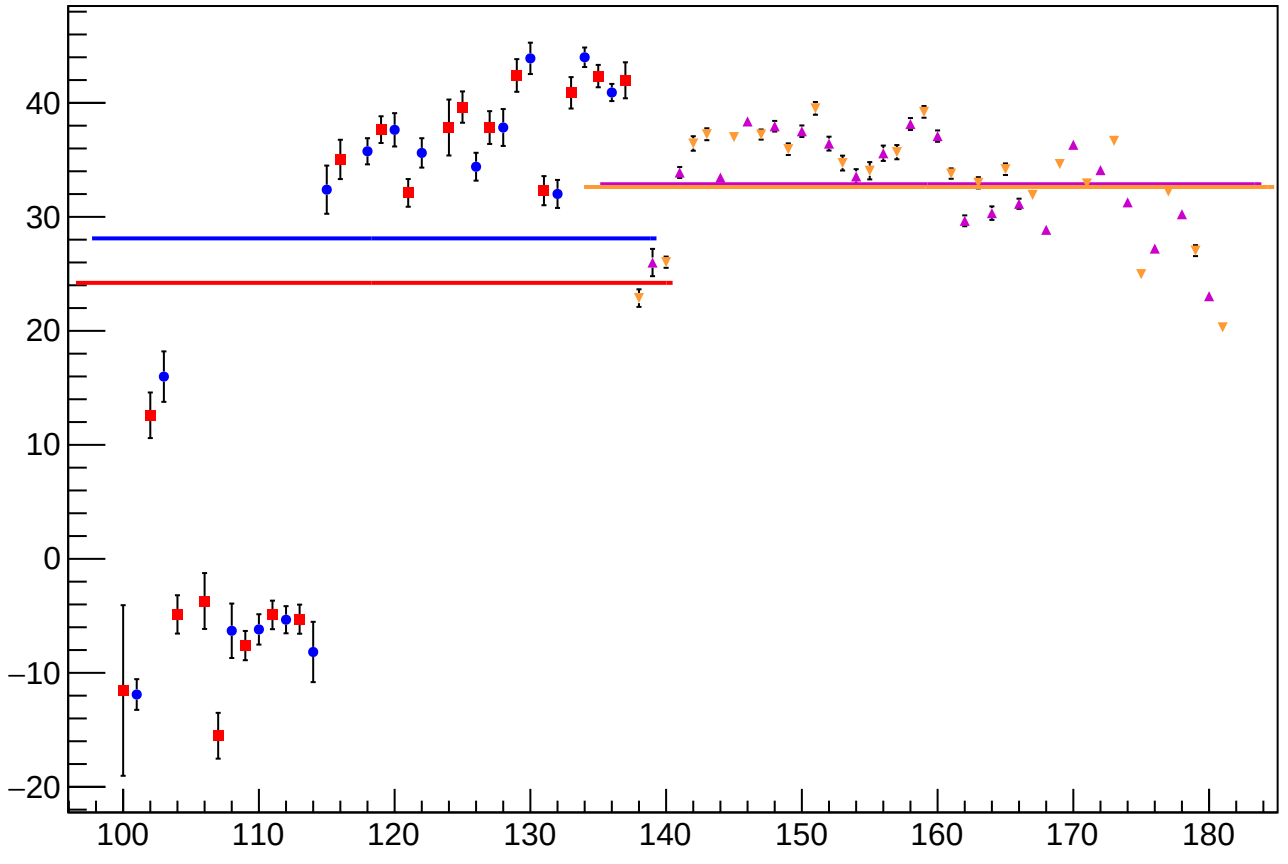
Right Out: -66.526+/-0.312 χ^2/NDF: 321.7/18

Left In: -35.765+/-0.117 χ^2/NDF:15307.7/20

+ sign -39.029+/-0.106 χ^2/NDF: 28408.8/38

All: -39.272+/-0.076 χ^2/NDF: 52554.5/78

- sign -39.529+/-0.109 χ^2/NDF: 24134.9/39



Right In: 28.112+/-0.320 χ^2/NDF: 3727.7/15

Left Out: 32.622+/-0.098 χ^2/NDF:2779.0/22

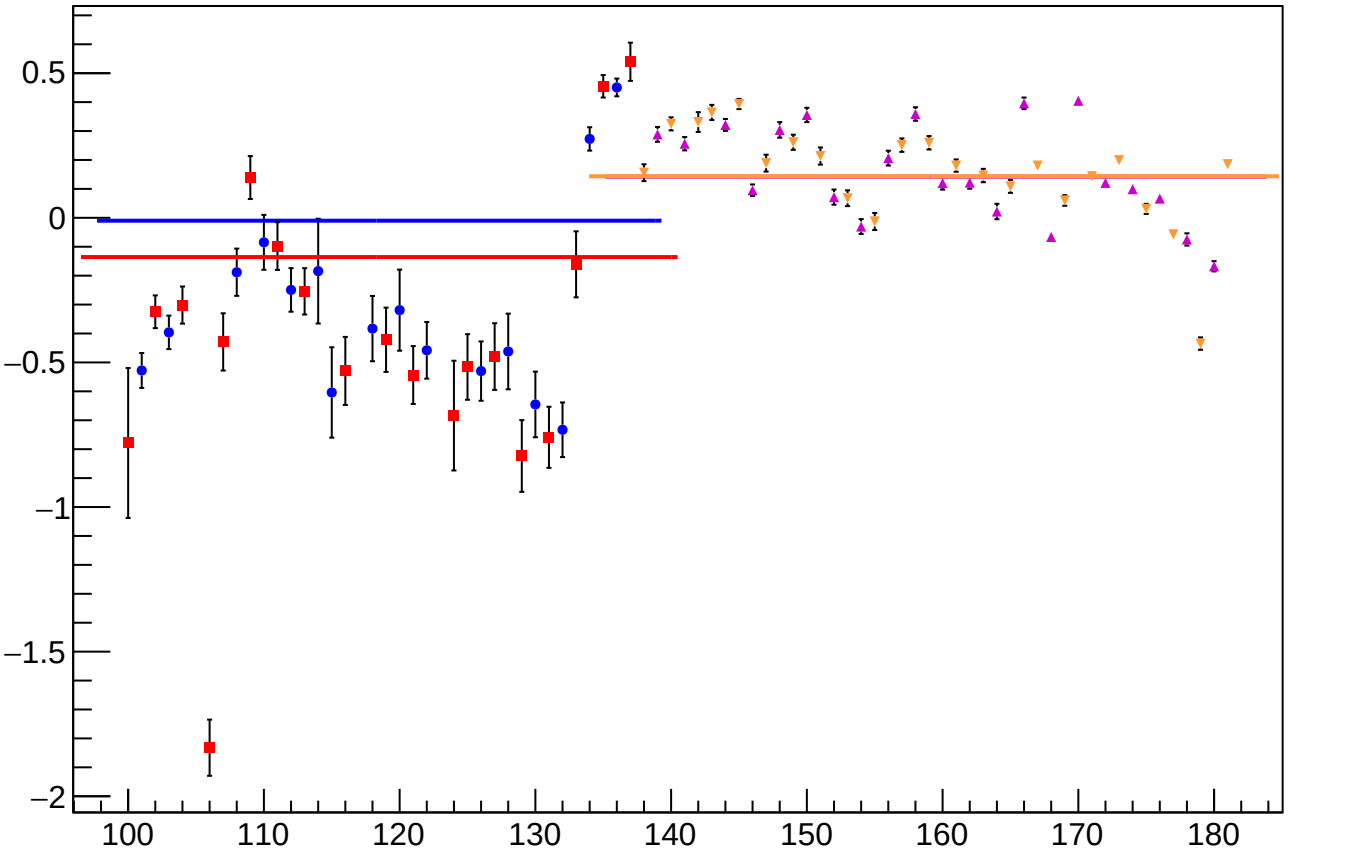
Right Out: 24.212+/-0.336 χ^2/NDF: 3841.7/18

Left In: 32.861+/-0.100 χ^2/NDF:1861.7/20

\+ sign 32.235+/-0.094 χ^2/NDF: 6688.3/38

All: 32.196+/-0.067 χ^2/NDF: 13001.9/78

\- sign 32.154+/-0.096 χ^2/NDF: 6313.3/39



Right In: -0.010+/-0.017 χ^2/NDF: 587.4/15

Left Out: 0.144+/-0.004 χ^2/NDF:1433.9/22

Right Out: -0.136+/-0.019 χ^2/NDF: 818.5/18

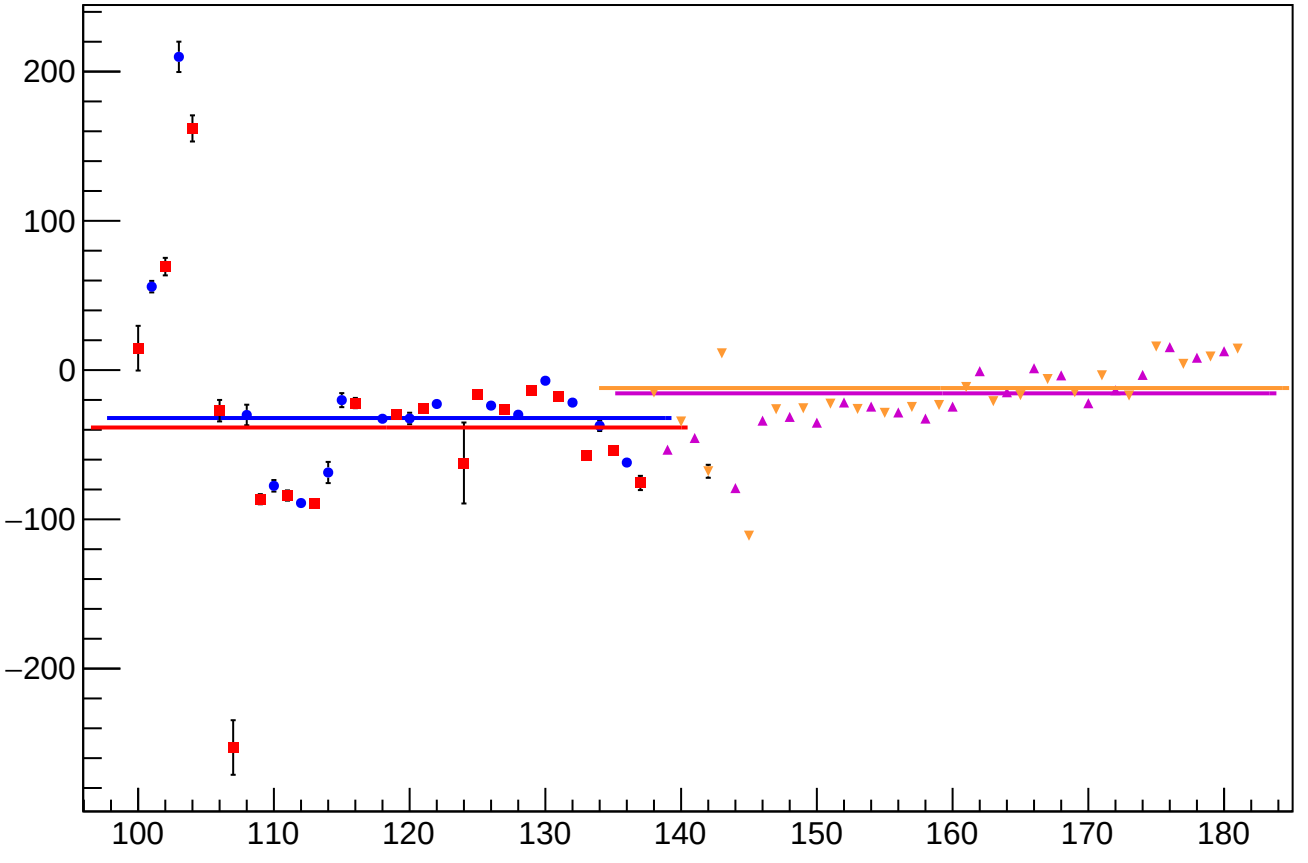
Left In: 0.142+/-0.004 χ^2/NDF:1424.6/20

+ sign 0.134+/-0.004 χ^2/NDF: 2095.0/38

All: 0.131+/-0.003 χ^2/NDF: 4545.6/78

- sign 0.127+/-0.004 χ^2/NDF: 2449.3/39

reg_asym_atl1_diff_bpm1X_slope vs Slug



Right In: -32.117+/-0.843 χ^2/NDF: 1877.5/15

Left Out: -12.026+/-0.540 χ^2/NDF:2047.4/22

Right Out: -38.462+/-0.864 χ^2/NDF: 1972.5/18

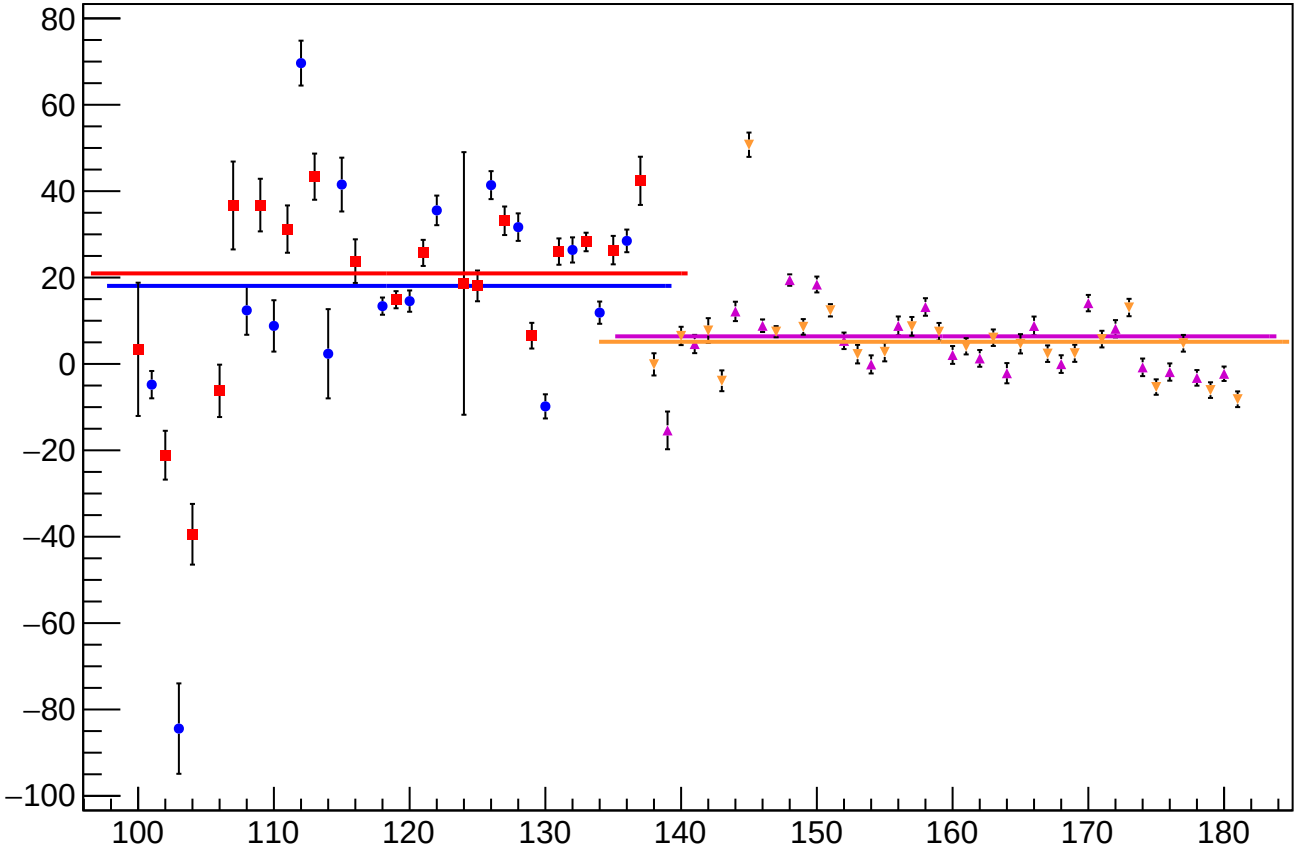
Left In: -15.582+/-0.560 χ^2/NDF:1724.8/20

+ sign -17.880+/-0.455 χ^2/NDF: 4327.6/38

All: -20.041+/-0.327 χ^2/NDF: 8565.0/78

- sign -22.350+/-0.470 χ^2/NDF: 4190.7/39

reg_asym_atl1_diff_bpm4aY_slope vs Slug



Right In: 18.068+/-0.823 χ^2/NDF: 499.6/15

Left Out: 5.131+/-0.406 χ^2/NDF:468.0/22

Right Out: 20.959+/-0.868 χ^2/NDF: 262.6/18

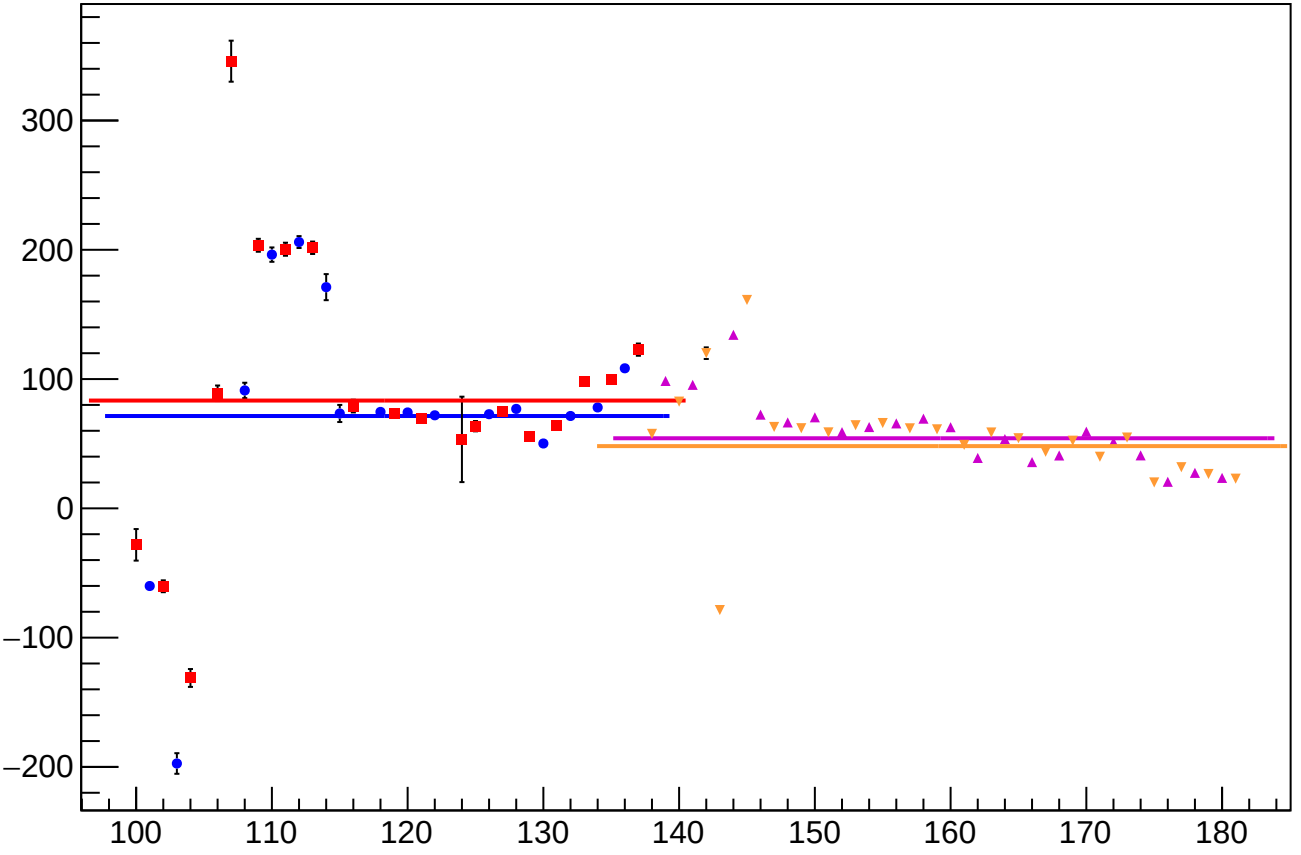
Left In: 6.389+/-0.423 χ^2/NDF:335.4/20

+ sign 7.668+/-0.364 χ^2/NDF: 1166.3/38

All: 8.392+/-0.263 χ^2/NDF: 2000.1/78

- sign 9.181+/-0.380 χ^2/NDF: 825.5/39

reg_asym_atl1_diff_bpm4eX_slope vs Slug



Right In: 71.421+/-0.931 χ^2/NDF: 4819.6/15

Left Out: 48.139+/-0.534 χ^2/NDF:3883.6/22

Right Out: 83.385+/-0.985 χ^2/NDF: 4297.3/18

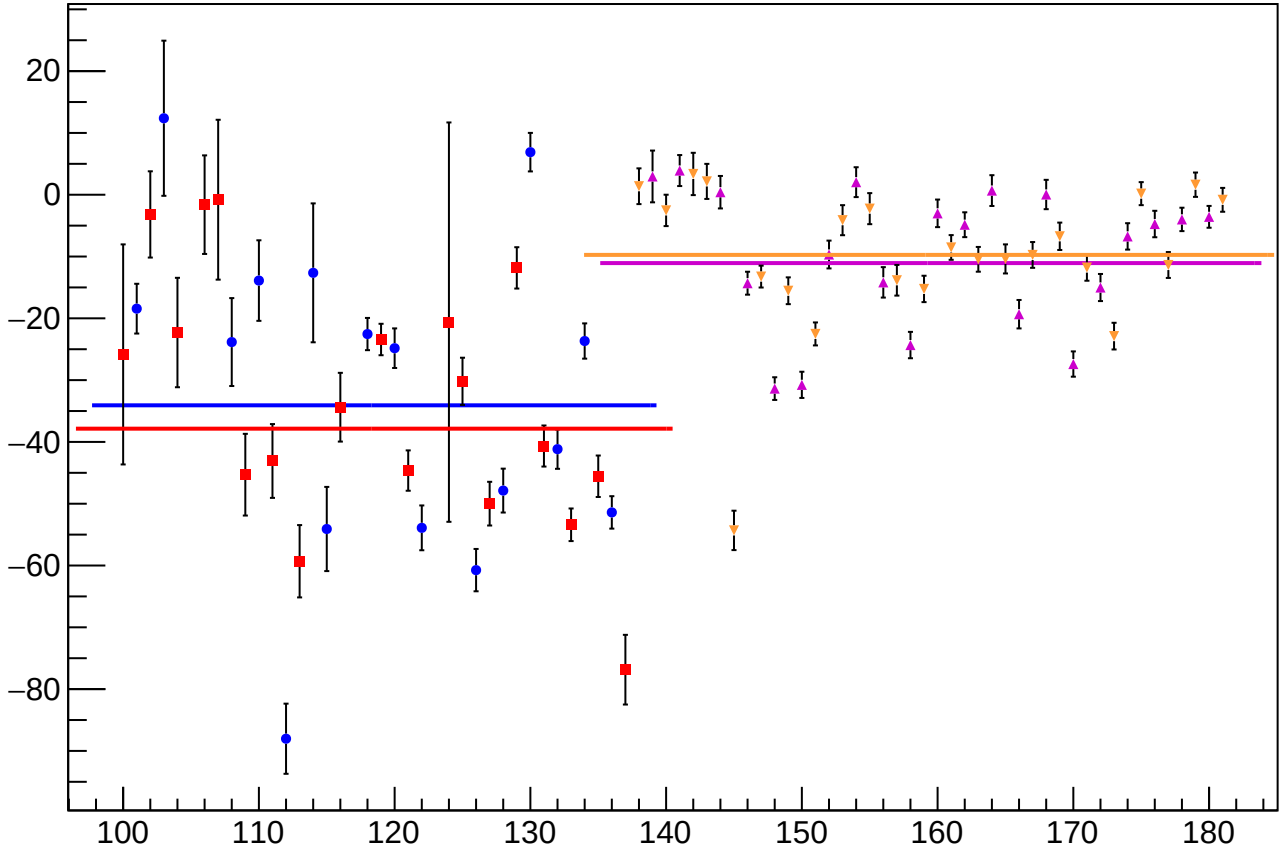
Left In: 54.215+/-0.552 χ^2/NDF:2222.0/20

+ sign 53.905+/-0.463 χ^2/NDF: 9173.5/38

All: 57.404+/-0.334 χ^2/NDF: 16478.7/78

- sign 61.181+/-0.481 χ^2/NDF: 7186.6/39

reg_asym_atl1_diff_bpm4eY_slope vs Slug



Right In: -34.077+/-0.942 χ^2/NDF: 511.2/15

Left Out: -9.735+/-0.461 χ^2/NDF:456.6/22

Right Out: -37.855+/-0.994 χ^2/NDF: 274.6/18

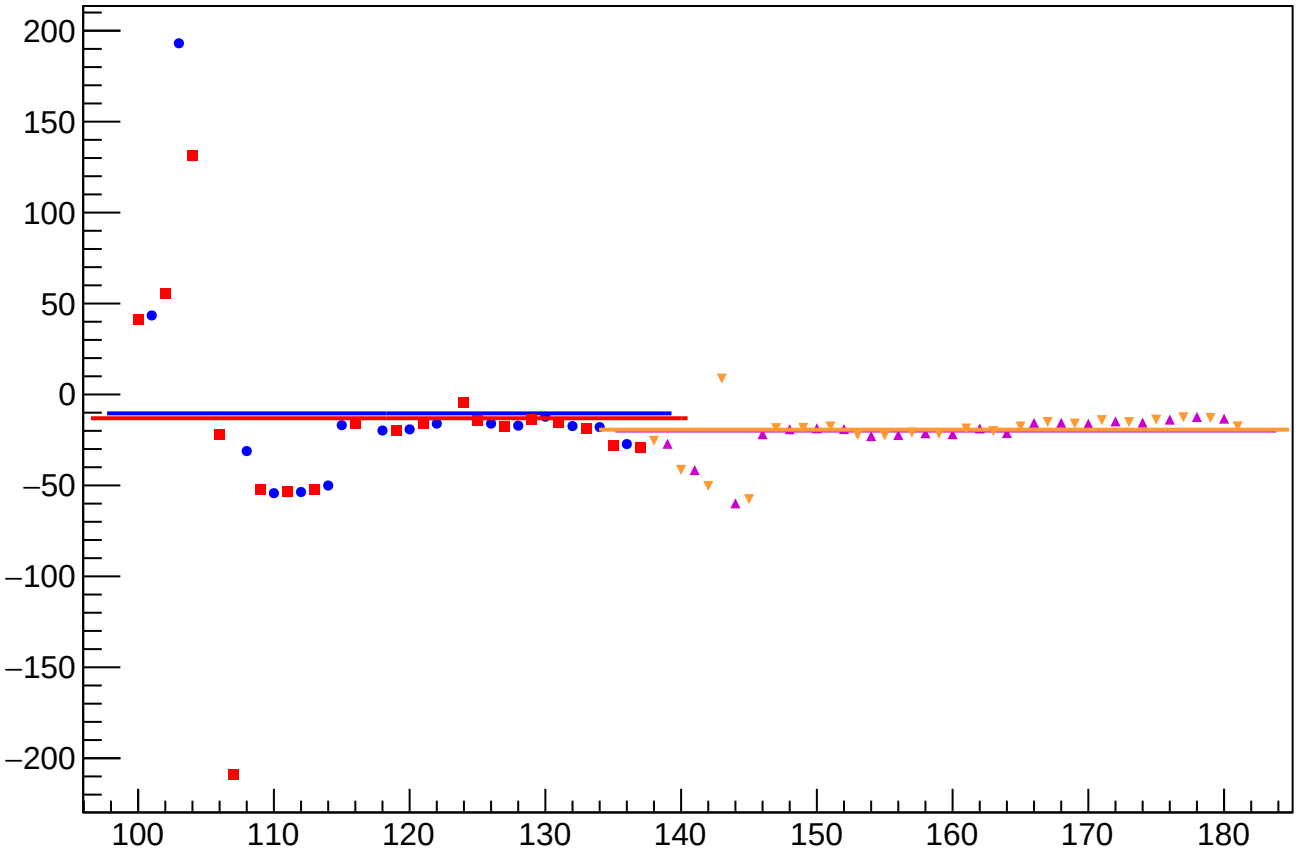
Left In: -11.061+/-0.478 χ^2/NDF:538.8/20

+ sign -14.437+/-0.414 χ^2/NDF: 1506.3/38

All: -15.231+/-0.298 χ^2/NDF: 2917.9/78

- sign -16.089+/-0.431 χ^2/NDF: 1403.9/39

reg_asym_atl1_diff_bpm12X_slope vs Slug



Right In: -10.400+/-0.057 χ^2/NDF: 522334.6/15

Left Out: -19.345+/-0.021 χ^2/NDF:225552.6/22

Right Out: -13.074+/-0.063 χ^2/NDF: 449609.3/18

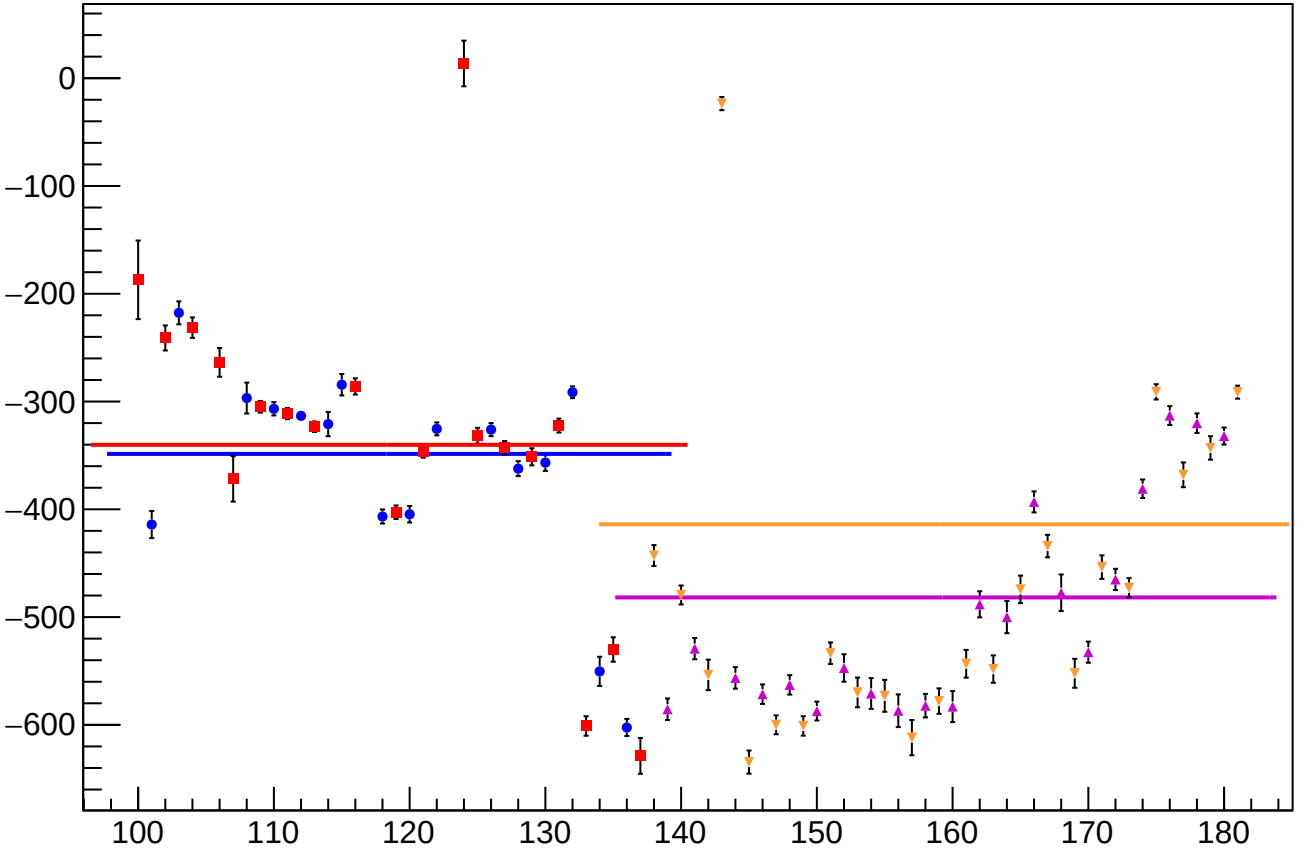
Left In: -19.829+/-0.021 χ^2/NDF:152770.2/20

+ sign -18.290+/-0.020 χ^2/NDF: 769746.8/38

All: -18.703+/-0.014 χ^2/NDF: 1383496.4/78

- sign -19.138+/-0.020 χ^2/NDF: 612828.1/39

reg_asym_atl2_diff_bpm1X_slope vs Slug



Right In: -348.586+/-1.825 χ^2/NDF: 1858.3/15

Left Out: -413.889+/-2.054 χ^2/NDF:7424.8/22

Right Out: -340.144+/-1.759 χ^2/NDF: 2197.1/18

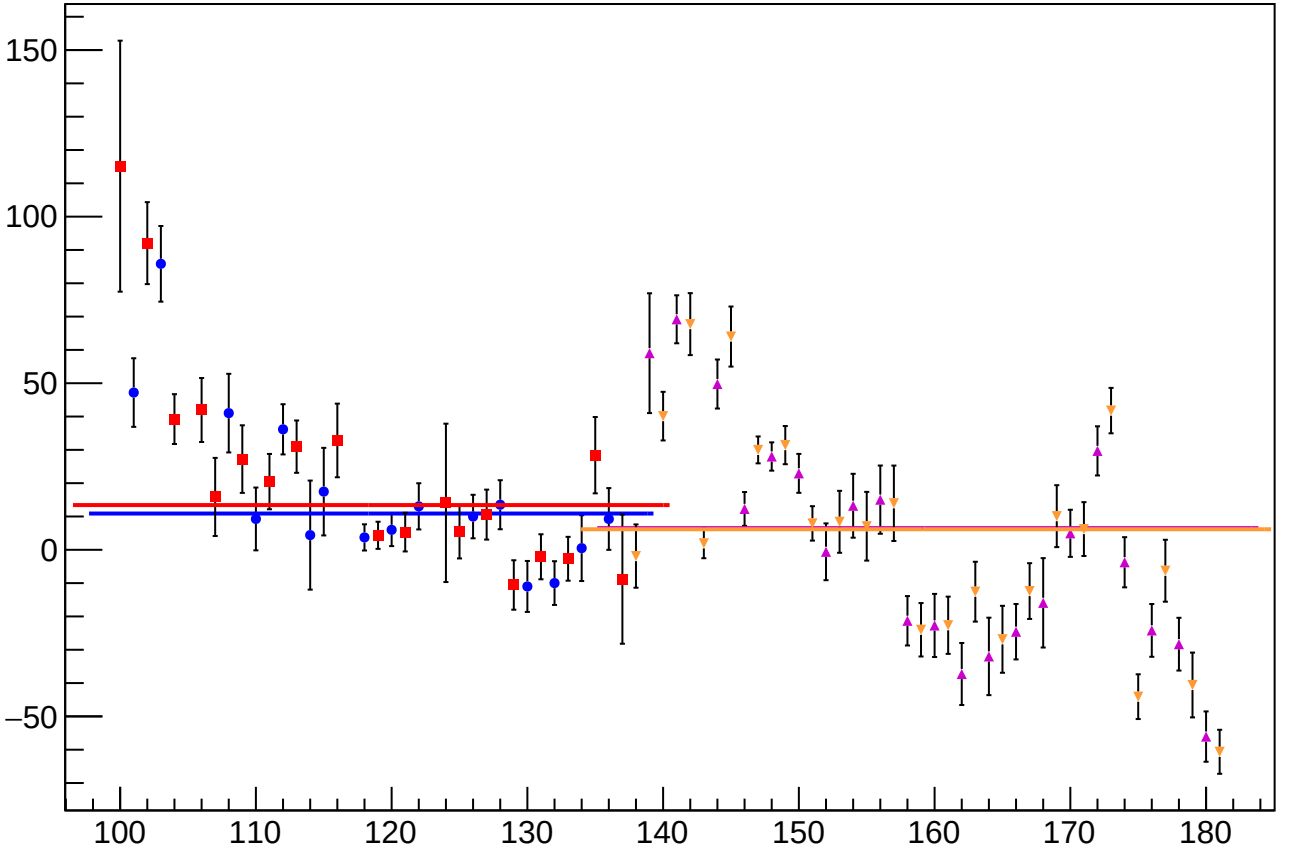
Left In: -481.761+/-2.251 χ^2/NDF:2059.1/20

+ sign -377.392+/-1.364 χ^2/NDF: 9848.0/38

All: -385.495+/-0.972 χ^2/NDF: 16633.6/78

- sign -393.862+/-1.386 χ^2/NDF: 6713.8/39

reg_asym_atl2_diff_bpm4aY_slope vs Slug



Right In: 10.888+/-1.843 χ^2/NDF: 98.2/15

Left Out: 6.164+/-1.502 χ^2/NDF:419.3/22

Right Out: 13.427+/-1.854 χ^2/NDF: 112.4/18

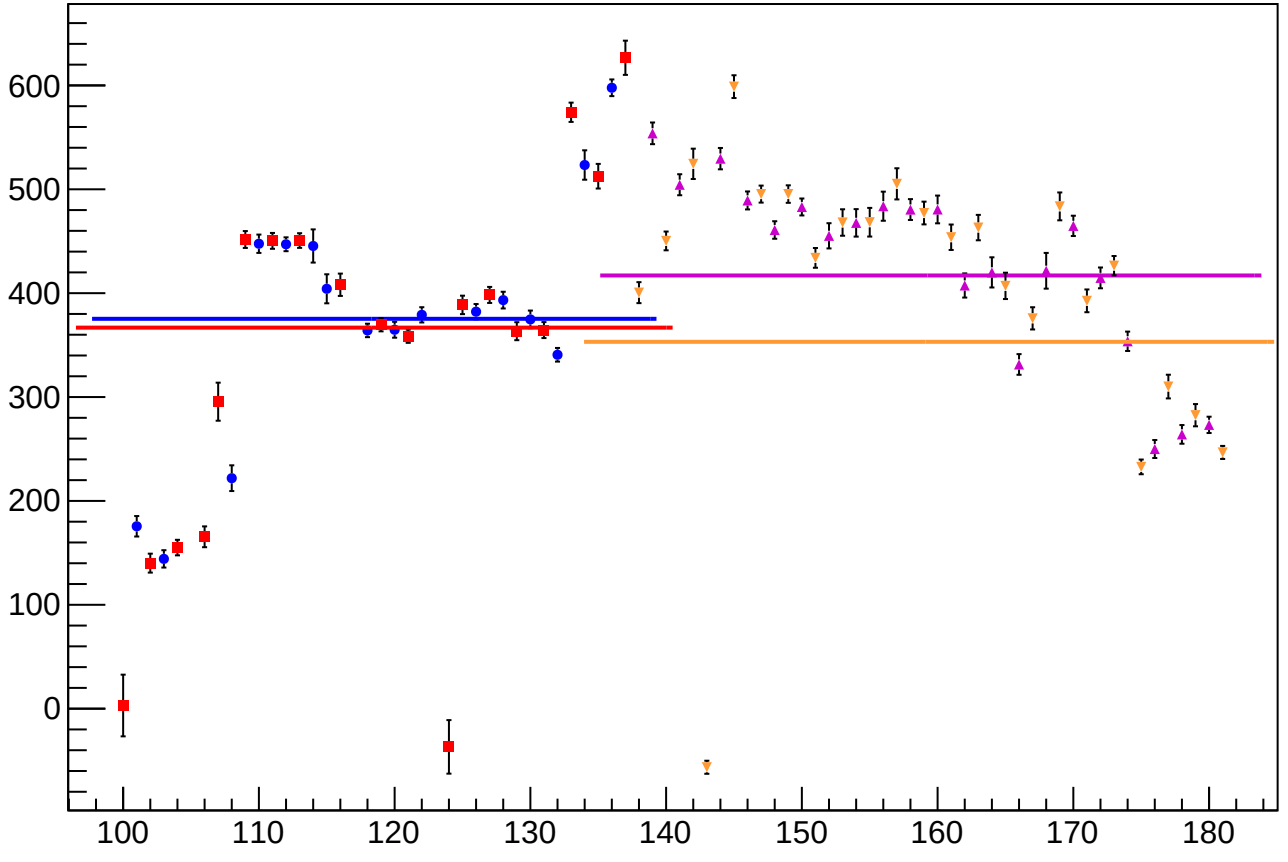
Left In: 6.515+/-1.638 χ^2/NDF:343.8/20

+ sign 8.049+/-1.164 χ^2/NDF: 521.5/38

All: 8.757+/-0.845 χ^2/NDF: 986.3/78

- sign 9.545+/-1.228 χ^2/NDF: 464.0/39

reg_asym_atl2_diff_bpm4eX_slope vs Slug



Right In: 375.321+/-2.103 χ^2/NDF: 2449.5/15

Left Out: 353.177+/-2.041 χ^2/NDF:7024.5/22

Right Out: 366.830+/-2.049 χ^2/NDF: 3541.1/18

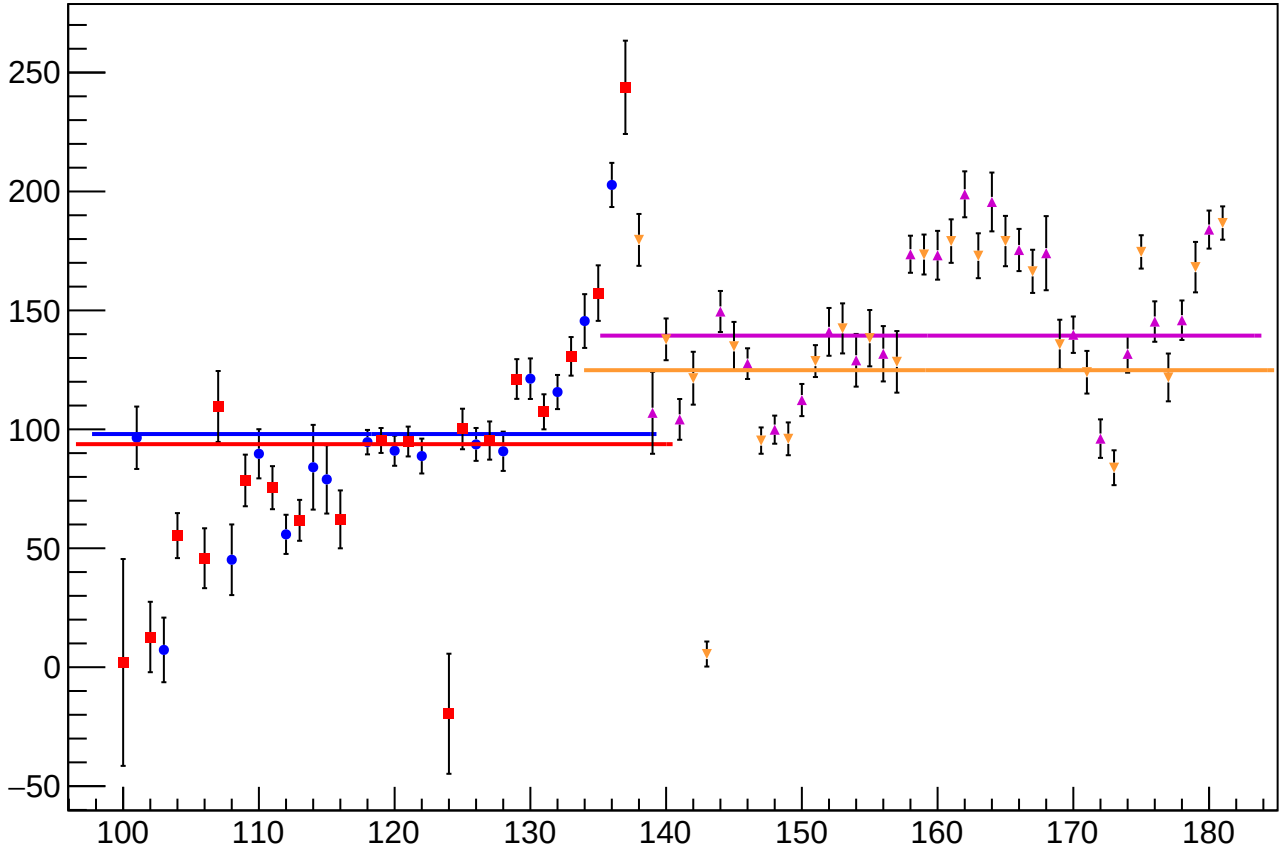
Left In: 417.041+/-2.217 χ^2/NDF:1781.2/20

+ sign 363.919+/-1.465 χ^2/NDF: 9531.1/38

All: 376.589+/-1.050 χ^2/NDF: 15283.9/78

- sign 389.967+/-1.505 χ^2/NDF: 5598.9/39

reg_asym_atl2_diff_bpm4eY_slope vs Slug



Right In: 98.021+/-2.144 χ^2/NDF: 249.5/15

Left Out: 124.866+/-1.737 χ^2/NDF:912.7/22

Right Out: 93.771+/-2.138 χ^2/NDF: 237.1/18

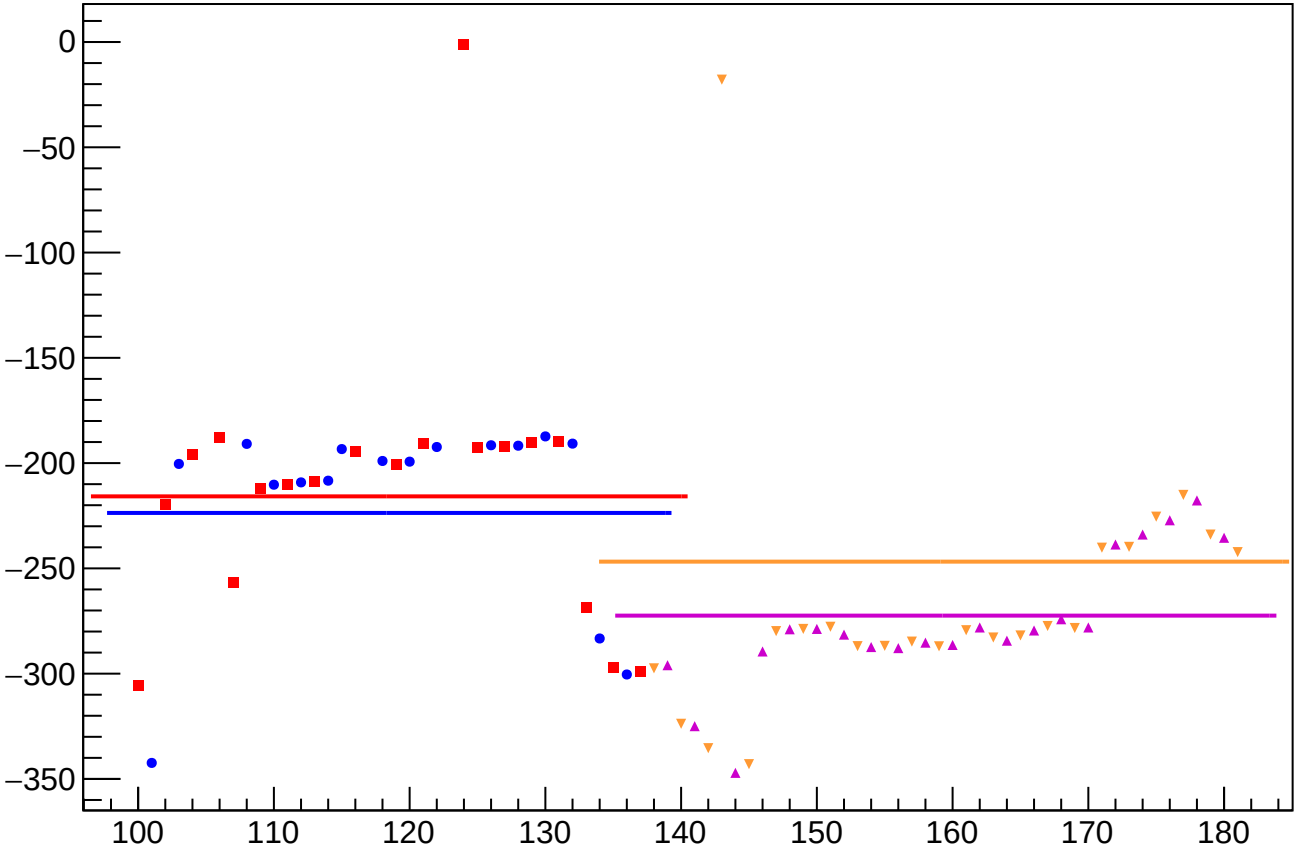
Left In: 139.398+/-1.881 χ^2/NDF:259.0/20

+ sign 114.230+/-1.350 χ^2/NDF: 1256.8/38

All: 116.744+/-0.976 χ^2/NDF: 2016.9/78

- sign 119.497+/-1.412 χ^2/NDF: 752.8/39

reg_asym_atl2_diff_bpm12X_slope vs Slug



Right In: -223.666+/-0.138 χ^2/NDF: 121528.3/15

Left Out: -246.796+/-0.082 χ^2/NDF:986452.5/22

Right Out: -215.797+/-0.134 χ^2/NDF: 81516.6/18

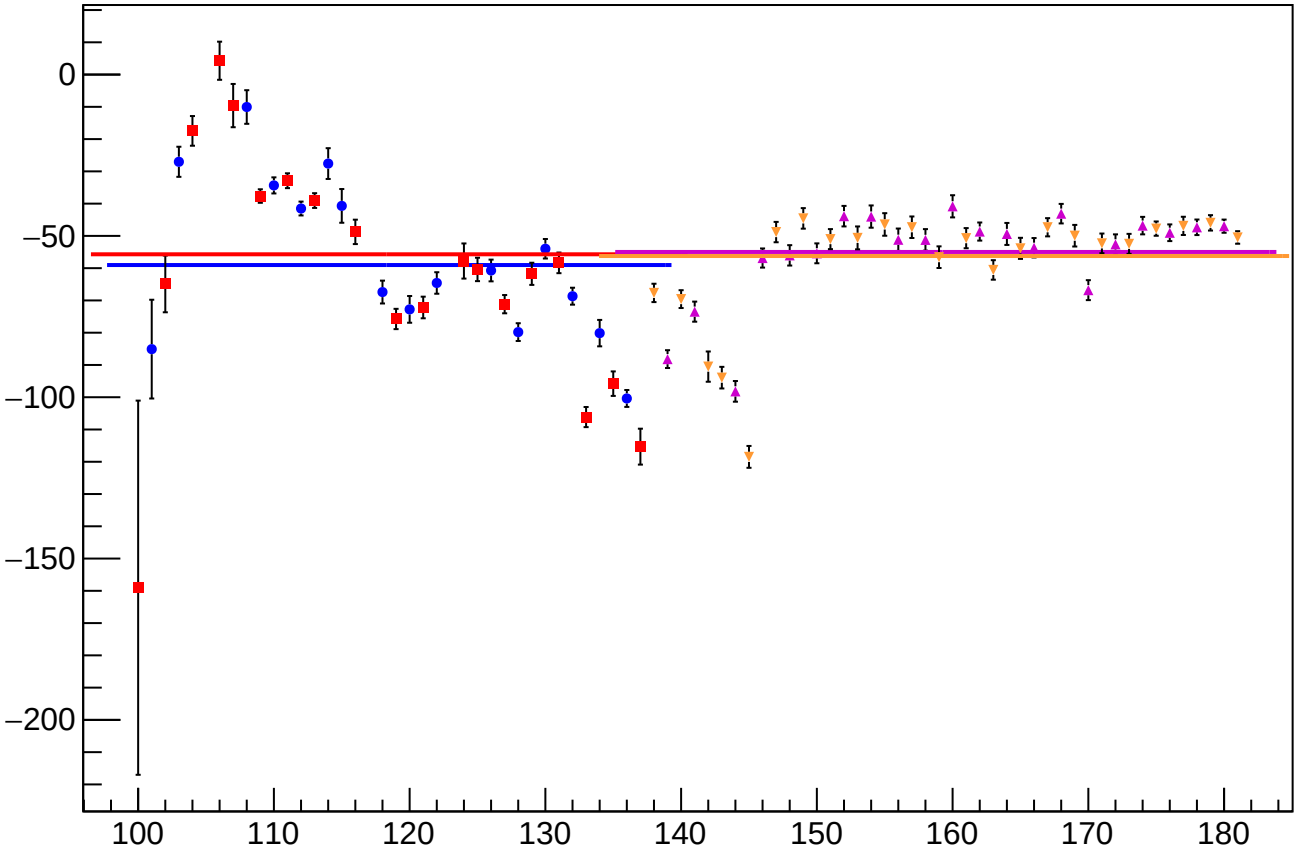
Left In: -272.440+/-0.086 χ^2/NDF:122707.4/20

+ sign -240.829+/-0.070 χ^2/NDF: 1128739.7/38

All: -248.189+/-0.050 χ^2/NDF: 1481846.7/78

- sign -255.998+/-0.072 χ^2/NDF: 330477.3/39

reg_asym_atr1_diff_bpm1X_slope vs Slug



Right In: -59.030+/-0.829 χ^2/NDF: 727.3/15

Left Out: -56.236+/-0.618 χ^2/NDF:671.8/22

Right Out: -55.701+/-0.790 χ^2/NDF: 1041.1/18

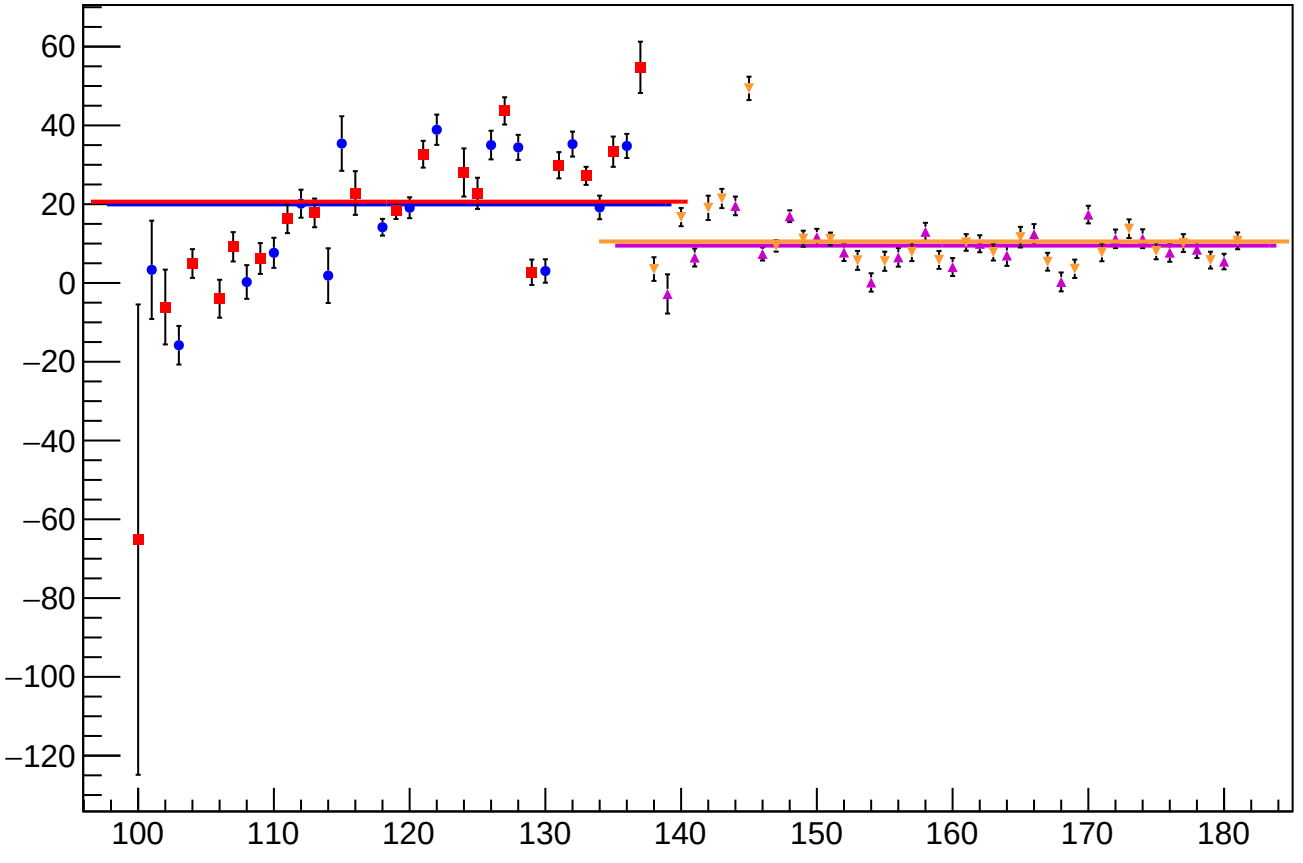
Left In: -54.977+/-0.641 χ^2/NDF:482.1/20

+ sign -57.233+/-0.495 χ^2/NDF: 1406.4/38

All: -56.254+/-0.351 χ^2/NDF: 2938.0/78

- sign -55.264+/-0.498 χ^2/NDF: 1523.7/39

reg_asym_atr1_diff_bpm4aY_slope vs Slug



Right In: 19.946+/-0.867 χ^2/NDF: 247.2/15

Left Out: 10.540+/-0.462 χ^2/NDF:252.1/22

Right Out: 20.643+/-0.844 χ^2/NDF: 224.8/18

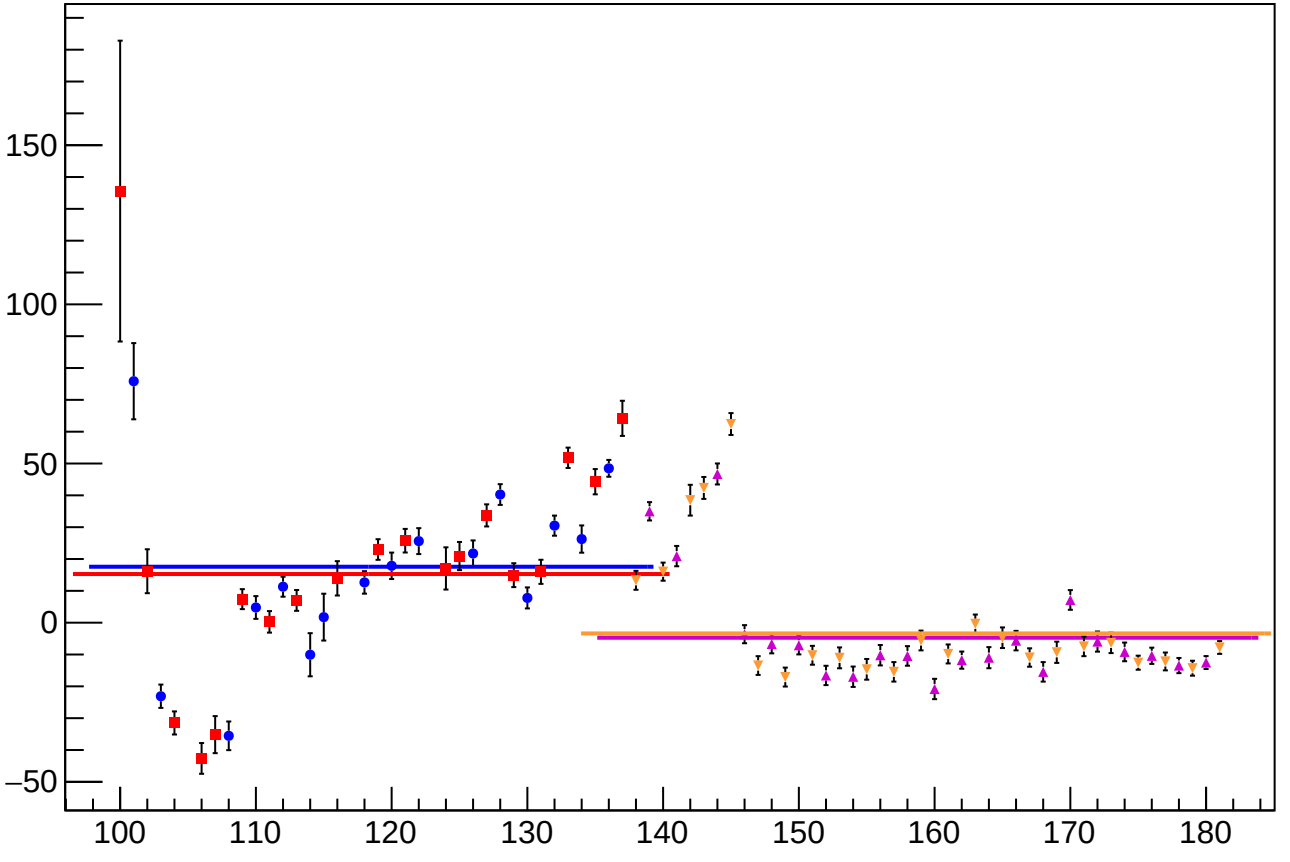
Left In: 9.483+/-0.482 χ^2/NDF:115.4/20

+ sign 12.618+/-0.408 χ^2/NDF: 590.9/38

All: 12.428+/-0.292 χ^2/NDF: 1063.4/78

- sign 12.228+/-0.418 χ^2/NDF: 472.1/39

reg_asym_atr1_diff_bpm4eX_slope vs Slug



Right In: 17.574+/-0.957 χ^2/NDF: 546.2/15

Left Out: -3.377+/-0.610 χ^2/NDF:840.0/22

Right Out: 15.283+/-0.934 χ^2/NDF: 730.0/18

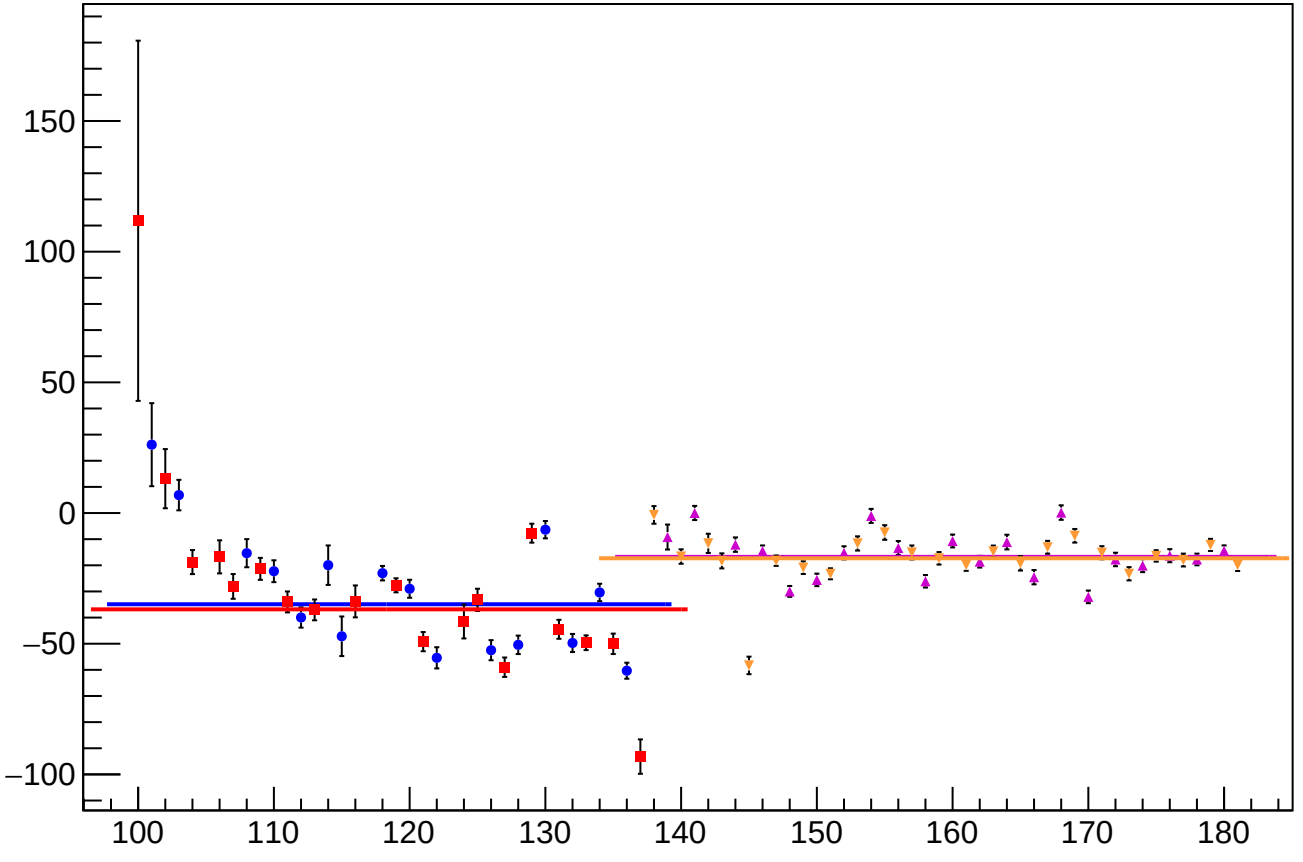
Left In: -4.730+/-0.631 χ^2/NDF:633.9/20

\+ sign 2.681+/-0.514 χ^2/NDF: 1727.2/38

All: 2.122+/-0.367 χ^2/NDF: 3408.8/78

\- sign 1.544+/-0.523 χ^2/NDF: 1679.2/39

reg_asym_atr1_diff_bpm4eY_slope vs Slug



Right In: -34.899+/-0.990 χ^2/NDF: 346.6/15

Left Out: -17.310+/-0.525 χ^2/NDF:233.4/22

Right Out: -36.853+/-0.970 χ^2/NDF: 301.4/18

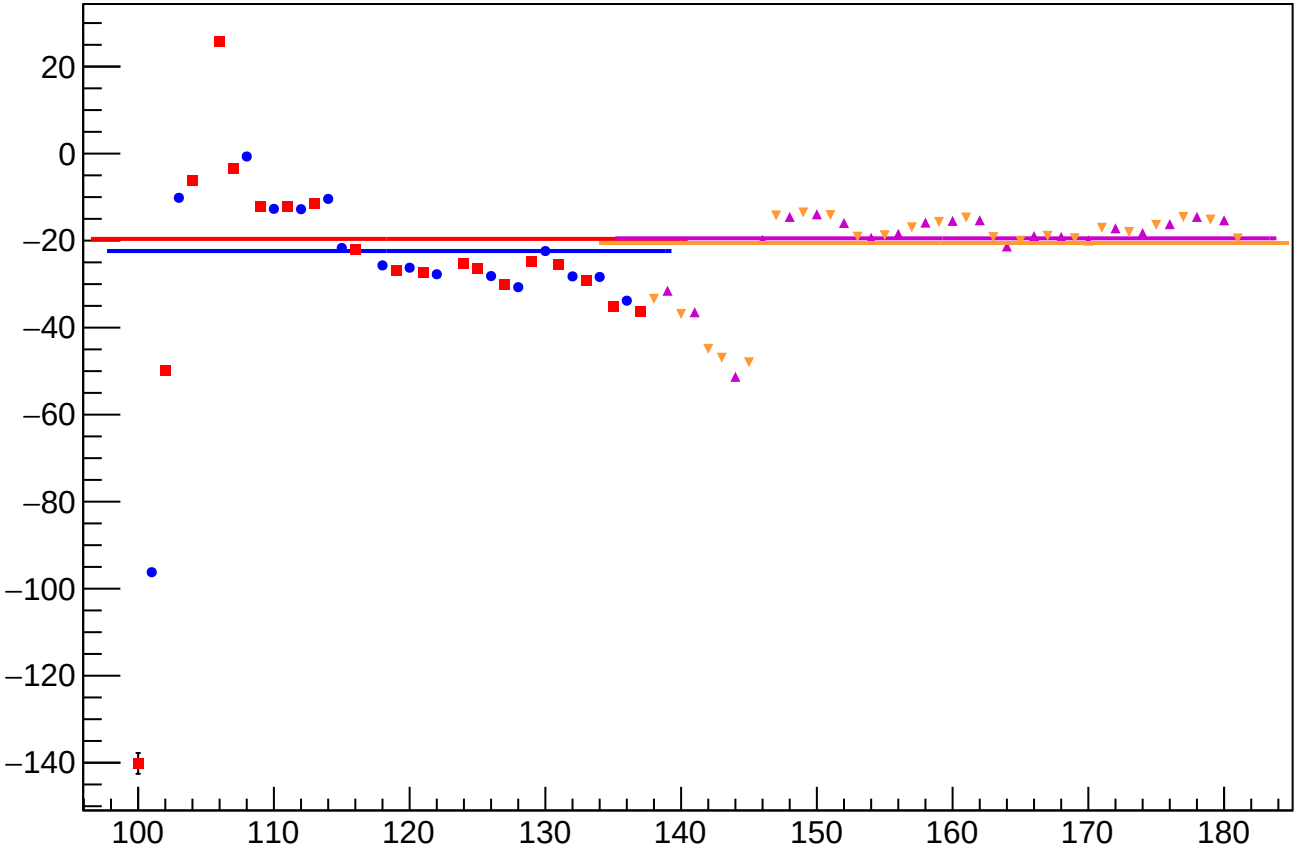
Left In: -16.774+/-0.545 χ^2/NDF:249.2/20

+ sign -21.171+/-0.464 χ^2/NDF: 826.2/38

All: -21.380+/-0.332 χ^2/NDF: 1703.1/78

- sign -21.598+/-0.475 χ^2/NDF: 876.5/39

reg_asym_atr1_diff_bpm12X_slope vs Slug



Right In: -22.394+/-0.058 χ^2/NDF: 46519.7/15

Left Out: -20.549+/-0.024 χ^2/NDF:144633.5/22

Right Out: -19.605+/-0.059 χ^2/NDF: 83865.7/18

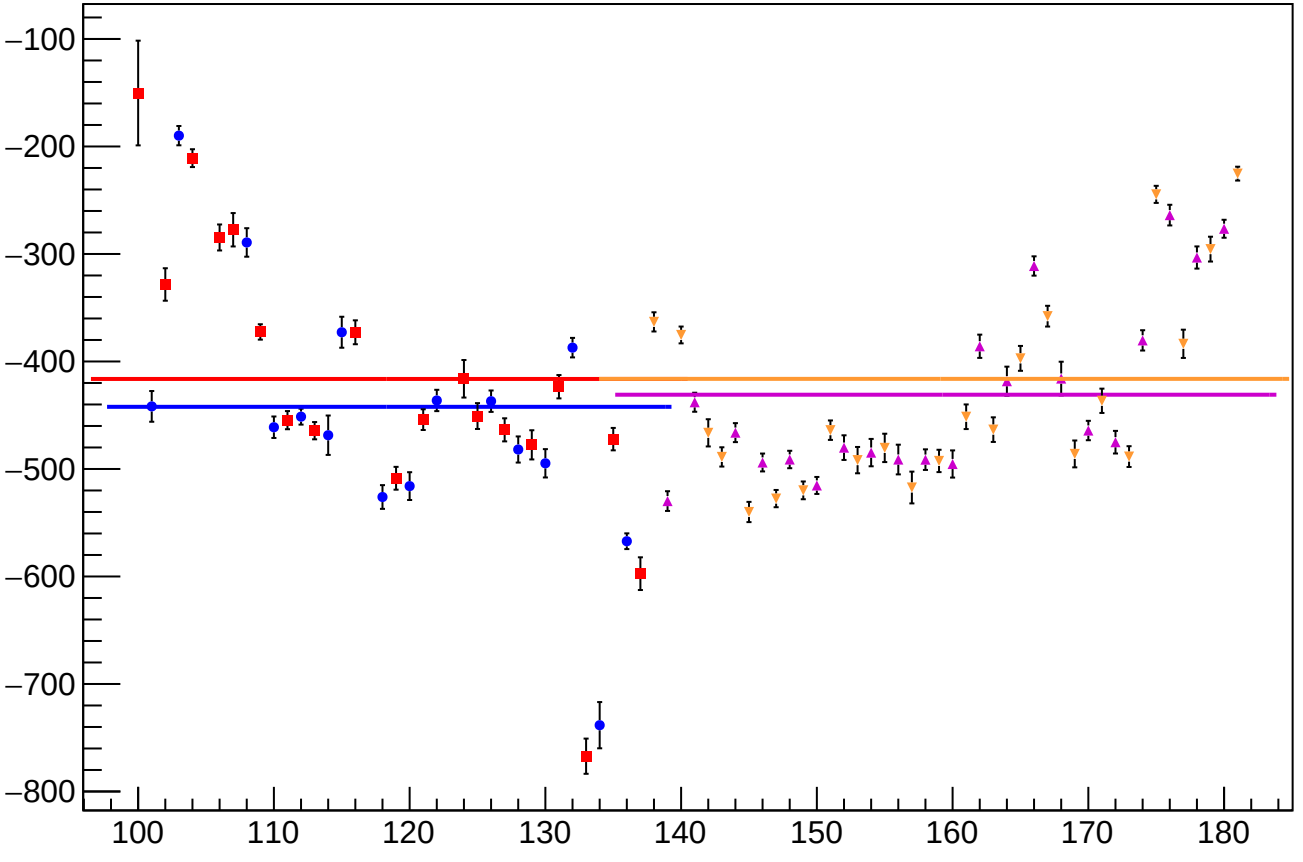
Left In: -19.478+/-0.024 χ^2/NDF:92328.2/20

+ sign -20.811+/-0.022 χ^2/NDF: 192012.8/38

All: -20.165+/-0.016 χ^2/NDF: 369971.1/78

- sign -19.496+/-0.022 χ^2/NDF: 176197.8/39

reg_asym_atr2_diff_bpm1X_slope vs Slug



Right In: -442.182+/-2.682 χ^2/NDF: 1589.1/15

Left Out: -416.172+/-2.046 χ^2/NDF:2470.2/22

Right Out: -416.259+/-2.523 χ^2/NDF: 1753.8/18

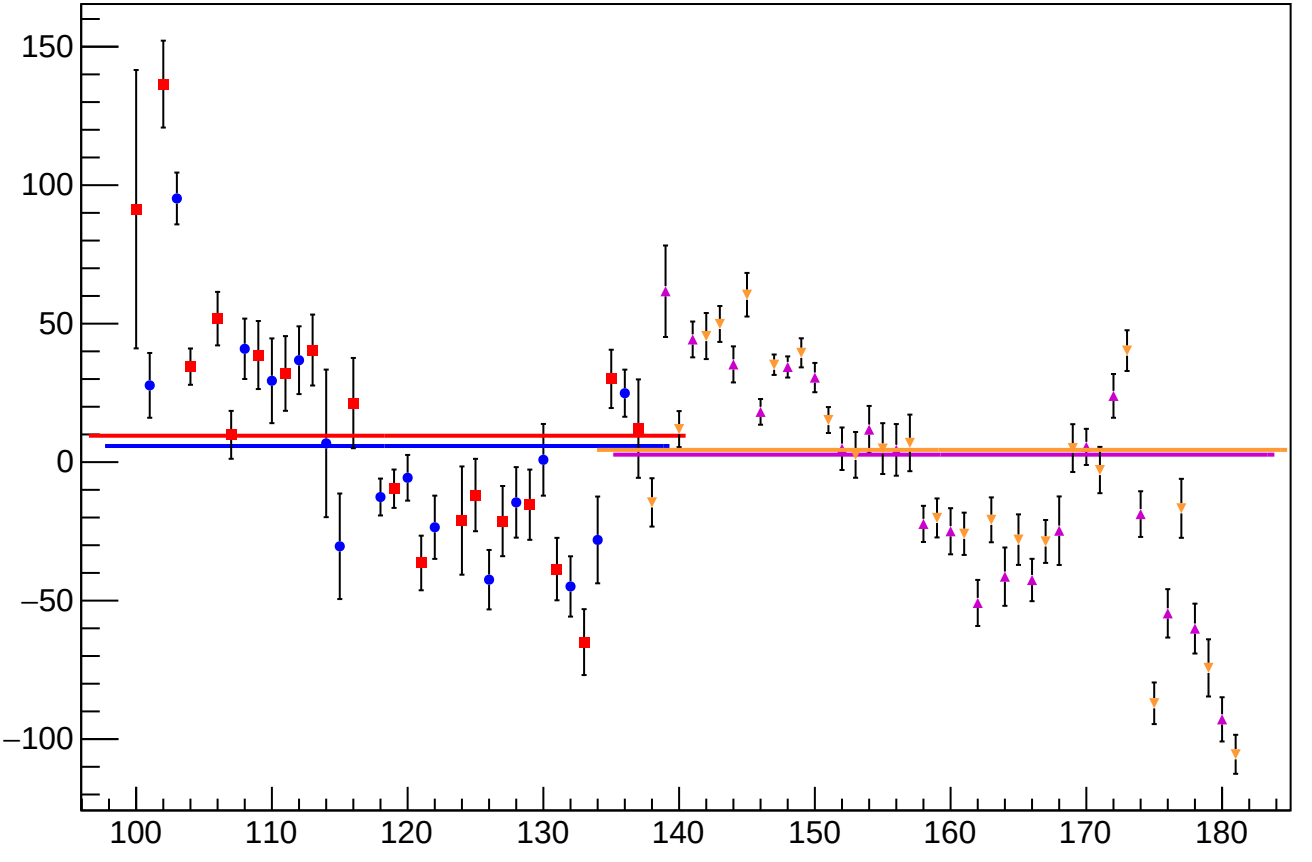
Left In: -430.923+/-2.147 χ^2/NDF:1534.4/20

+ sign -425.740+/-1.626 χ^2/NDF: 4118.8/38

All: -425.254+/-1.153 χ^2/NDF: 7426.8/78

- sign -424.762+/-1.635 χ^2/NDF: 3307.8/39

reg_asym_atr2_diff_bpm4aY_slope vs Slug



Right In: 5.824+/-2.728 χ^2/NDF: 188.1/15

Left Out: 4.428+/-1.464 χ^2/NDF:797.2/22

Right Out: 9.536+/-2.556 χ^2/NDF: 222.2/18

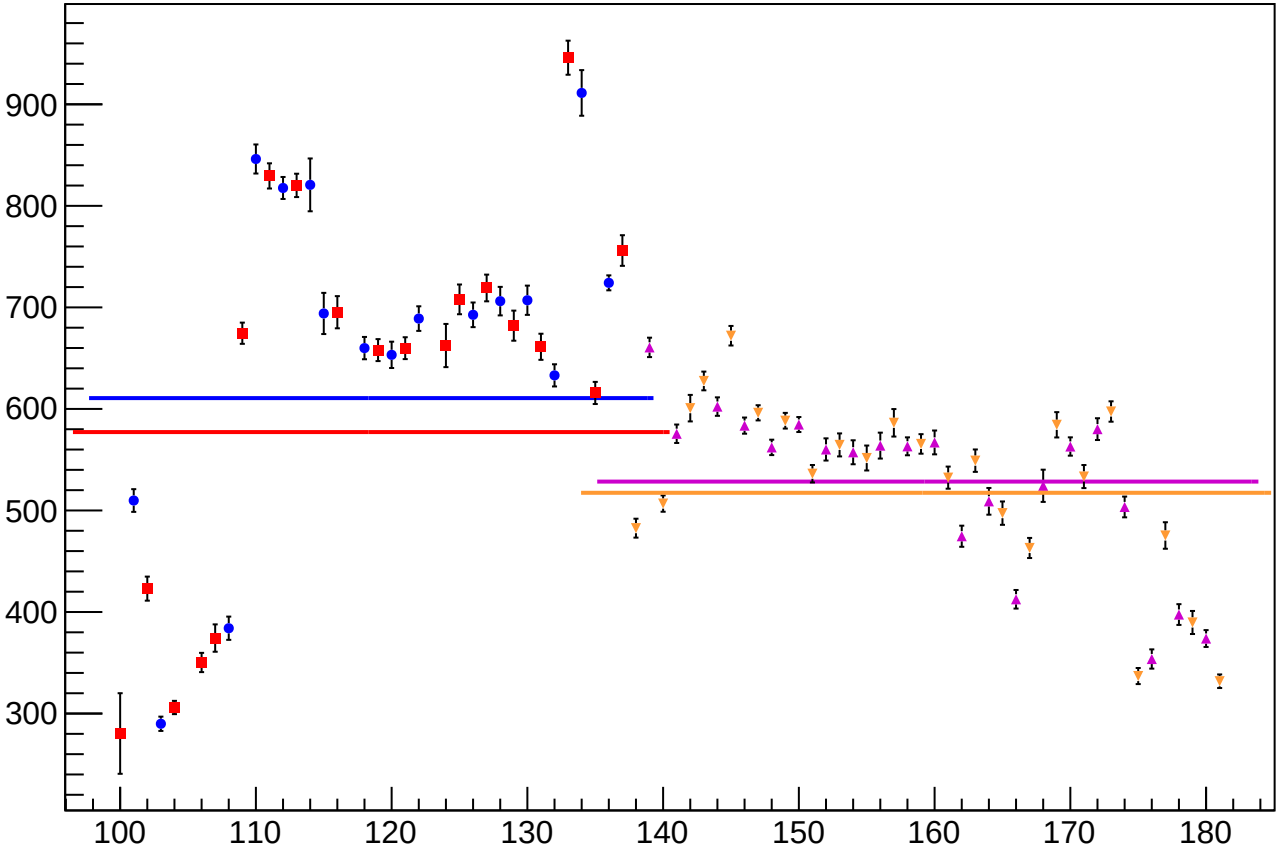
Left In: 2.699+/-1.535 χ^2/NDF:561.7/20

\+ sign 4.740+/-1.290 χ^2/NDF: 985.5/38

All: 4.627+/-0.921 χ^2/NDF: 1774.7/78

\- sign 4.510+/-1.316 χ^2/NDF: 789.1/39

reg_asym_atr2_diff_bpm4eX_slope vs Slug



Right In: 610.665+/-2.892 χ^2/NDF: 3892.6/15

Left Out: 517.409+/-2.022 χ^2/NDF:2295.2/22

Right Out: 577.205+/-2.755 χ^2/NDF: 4800.3/18

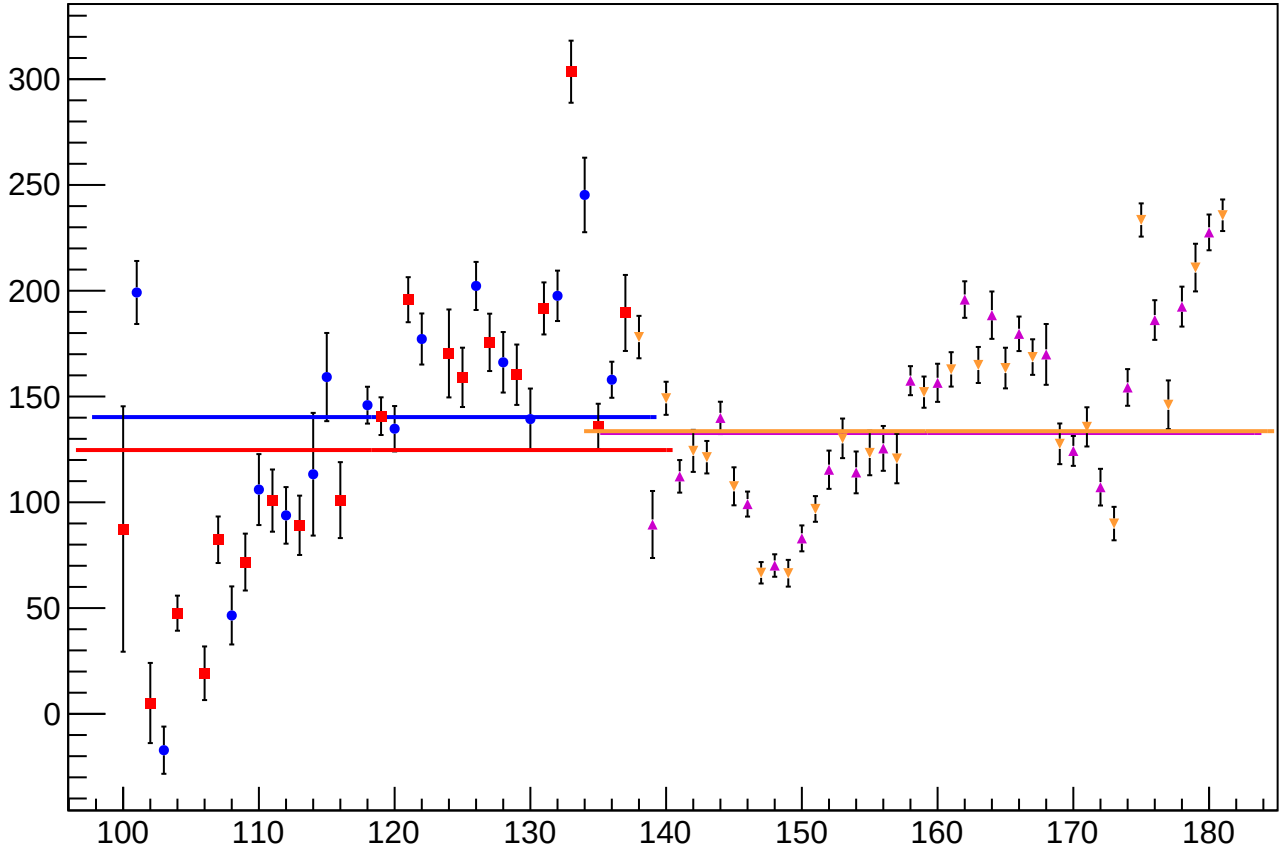
Left In: 528.443+/-2.108 χ^2/NDF:1541.1/20

+ sign 548.022+/-1.657 χ^2/NDF: 6886.1/38

All: 547.242+/-1.178 χ^2/NDF: 13425.5/78

- sign 546.446+/-1.674 χ^2/NDF: 6539.0/39

reg_asym_atr2_diff_bpm4eY_slope vs Slug



Right In: 140.278+/-3.151 χ^2/NDF: 385.4/15

Left Out: 133.621+/-1.702 χ^2/NDF:849.9/22

Right Out: 124.697+/-2.979 χ^2/NDF: 508.5/18

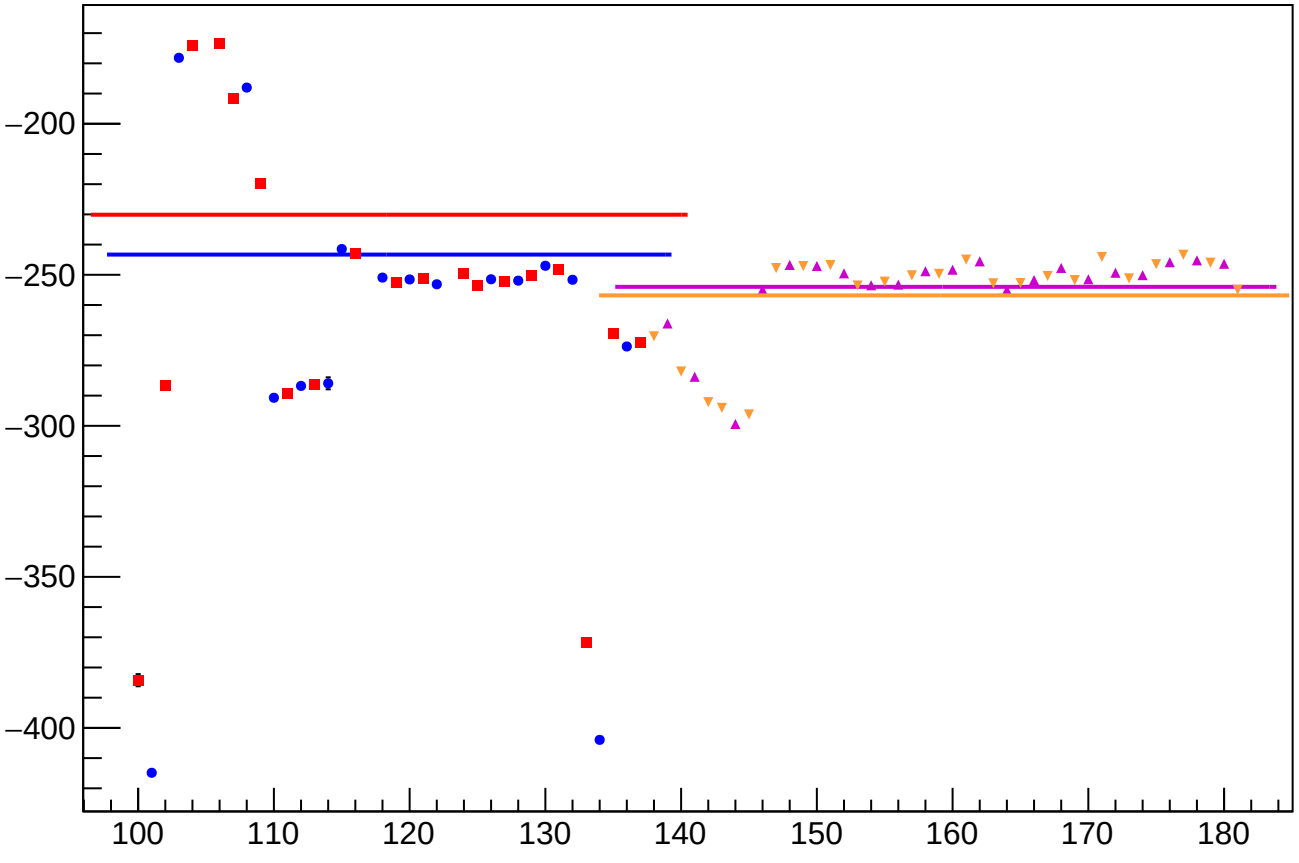
Left In: 132.760+/-1.773 χ^2/NDF:612.9/20

+ sign 135.125+/-1.498 χ^2/NDF: 1238.8/38

All: 132.926+/-1.068 χ^2/NDF: 2370.0/78

- sign 130.651+/-1.524 χ^2/NDF: 1126.9/39

reg_asym_atr2_diff_bpm12X_slope vs Slug



Right In: -243.308+/-0.163 χ^2/NDF: 173487.9/15

Left Out: -256.822+/-0.080 χ^2/NDF:39009.7/22

Right Out: -230.109+/-0.157 χ^2/NDF: 102451.2/18

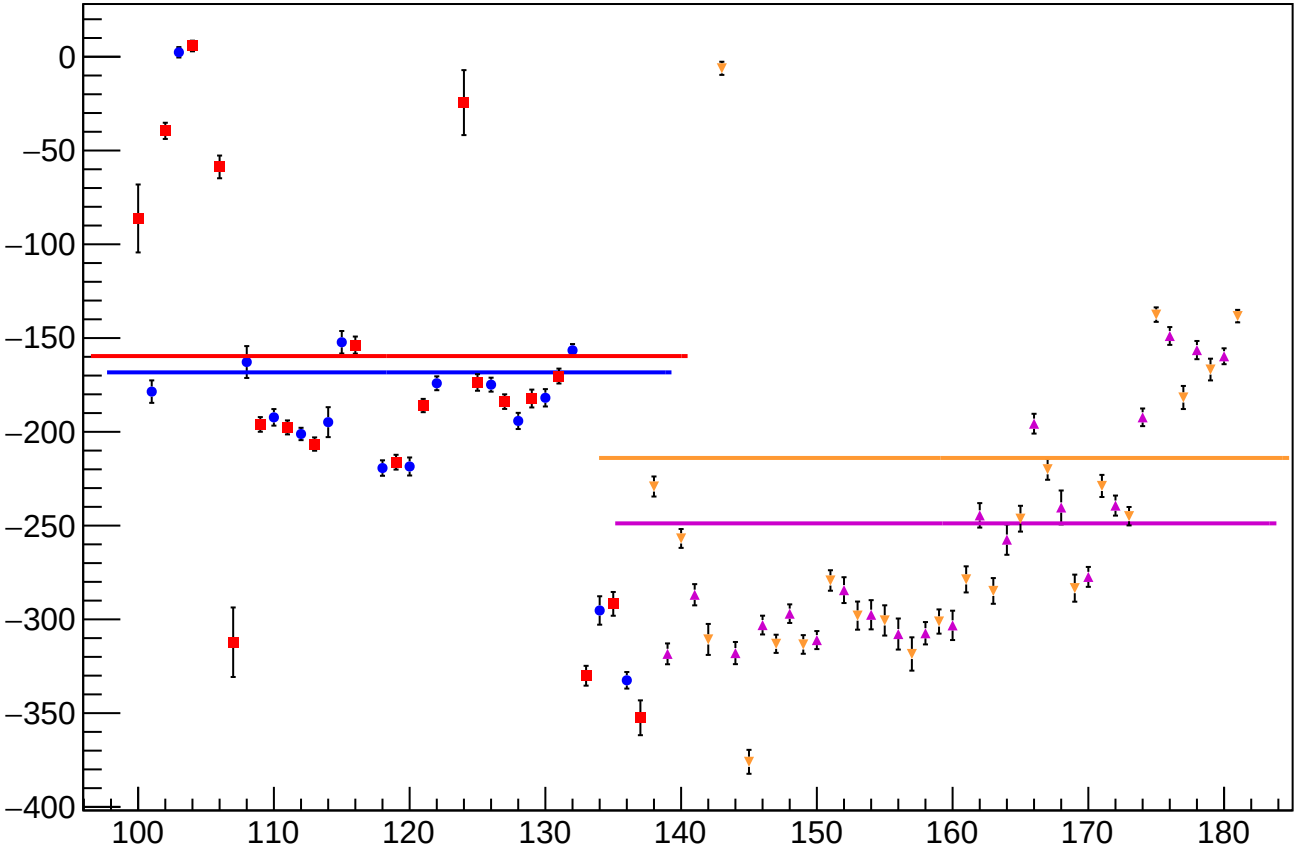
Left In: -253.988+/-0.081 χ^2/NDF:23948.0/20

+ sign -254.185+/-0.072 χ^2/NDF: 218063.2/38

All: -251.587+/-0.051 χ^2/NDF: 365270.9/78

- sign -248.957+/-0.072 χ^2/NDF: 144572.7/39

reg_asym_atl_avg_diff_bpm1X_slope vs Slug



Right In: -168.291+/-1.076 χ^2/NDF: 5907.6/15

Left Out: -213.927+/-1.133 χ^2/NDF:7246.1/22

Right Out: -159.602+/-1.042 χ^2/NDF: 7197.9/18

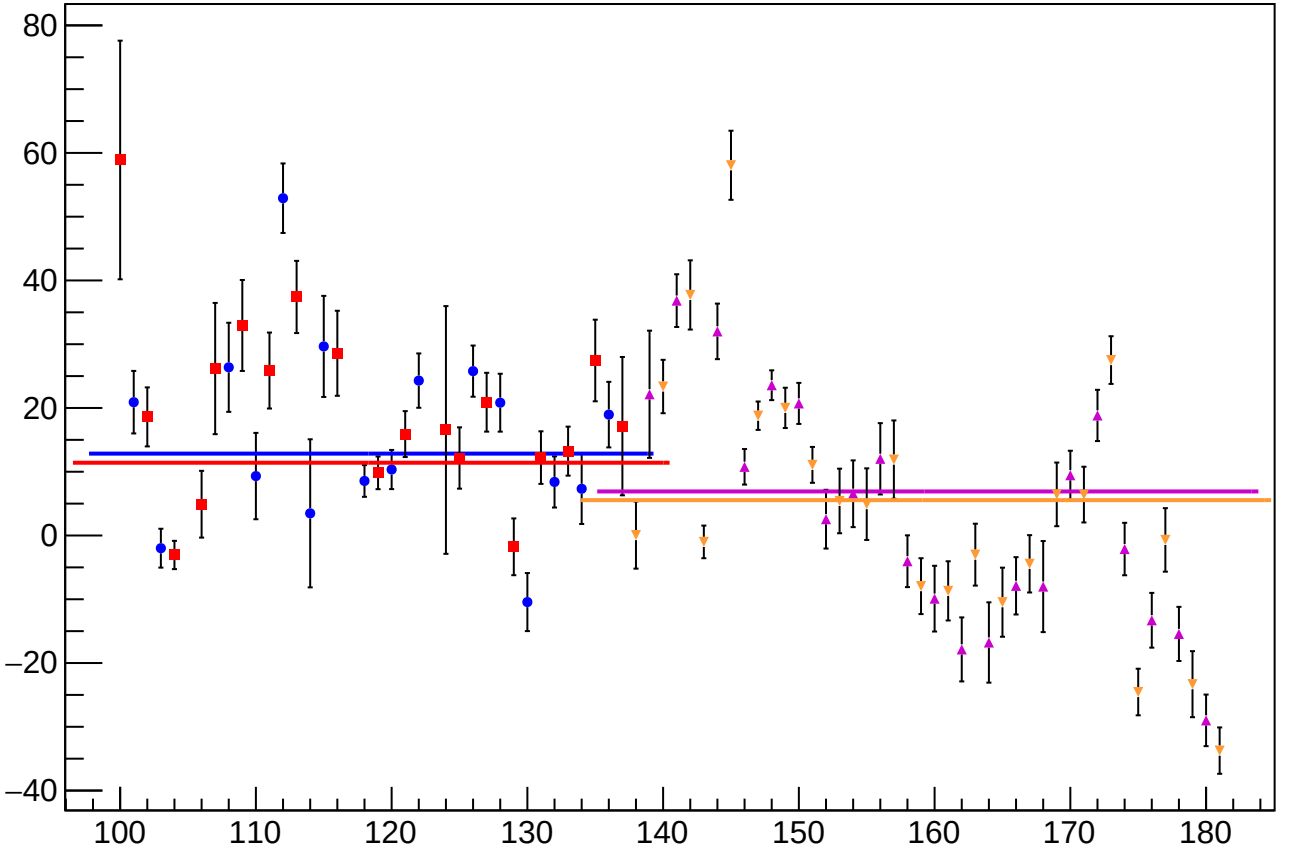
Left In: -248.812+/-1.233 χ^2/NDF:2507.8/20

+ sign -189.922+/-0.780 χ^2/NDF: 14006.6/38

All: -193.284+/-0.557 χ^2/NDF: 26803.3/78

- sign -196.784+/-0.796 χ^2/NDF: 12758.8/39

reg_asym_atl_avg_diff_bpm4aY_slope vs Slug



Right In: 12.842+/-1.076 χ^2/NDF: 143.7/15

Left Out: 5.544+/-0.829 χ^2/NDF:503.6/22

Right Out: 11.414+/-1.035 χ^2/NDF: 119.6/18

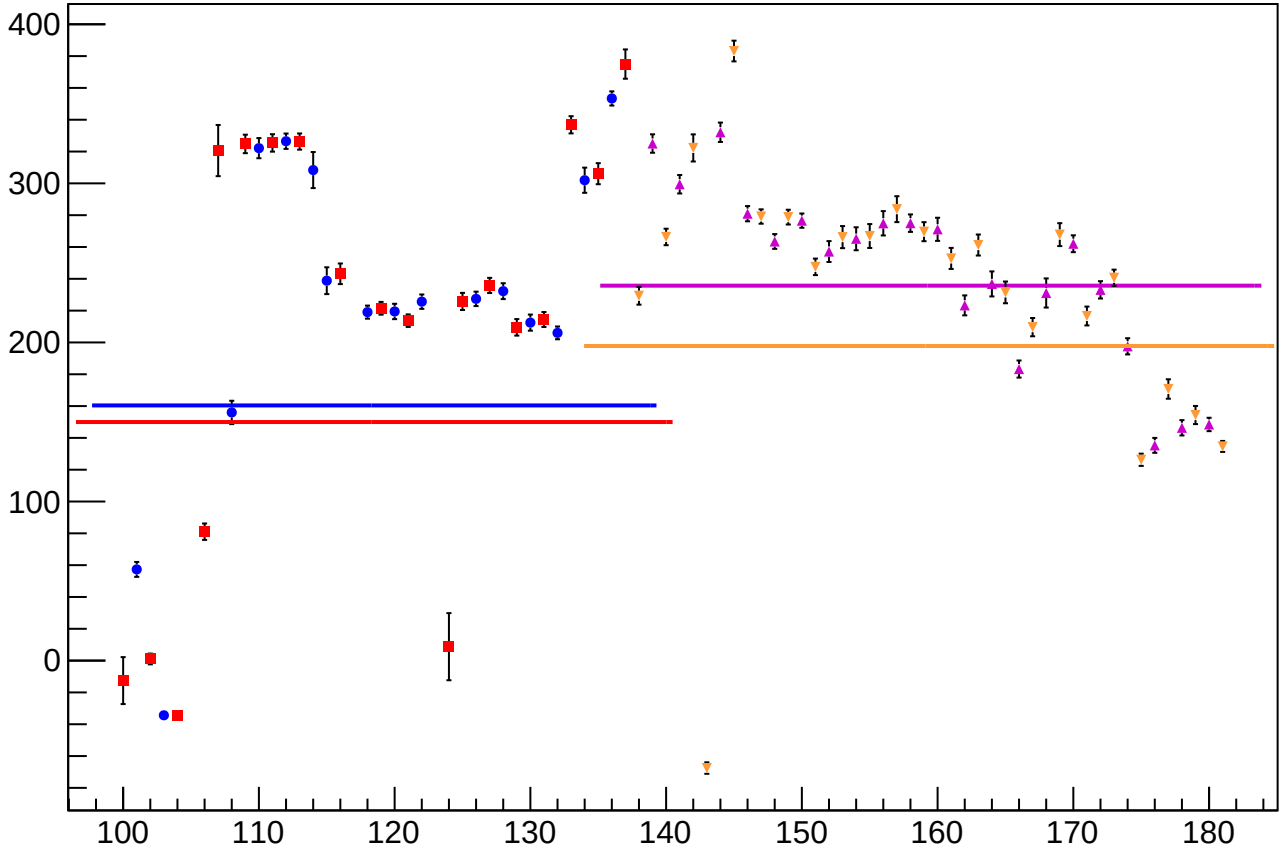
Left In: 6.908+/-0.899 χ^2/NDF:375.2/20

+ sign 8.260+/-0.657 χ^2/NDF: 676.2/38

All: 8.542+/-0.472 χ^2/NDF: 1182.1/78

- sign 8.844+/-0.679 χ^2/NDF: 505.5/39

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug



Right In: 160.407+/-1.139 χ^2/NDF: 13949.8/15

Left Out: 197.768+/-1.125 χ^2/NDF:8913.9/22

Right Out: 149.974+/-1.107 χ^2/NDF: 16265.2/18

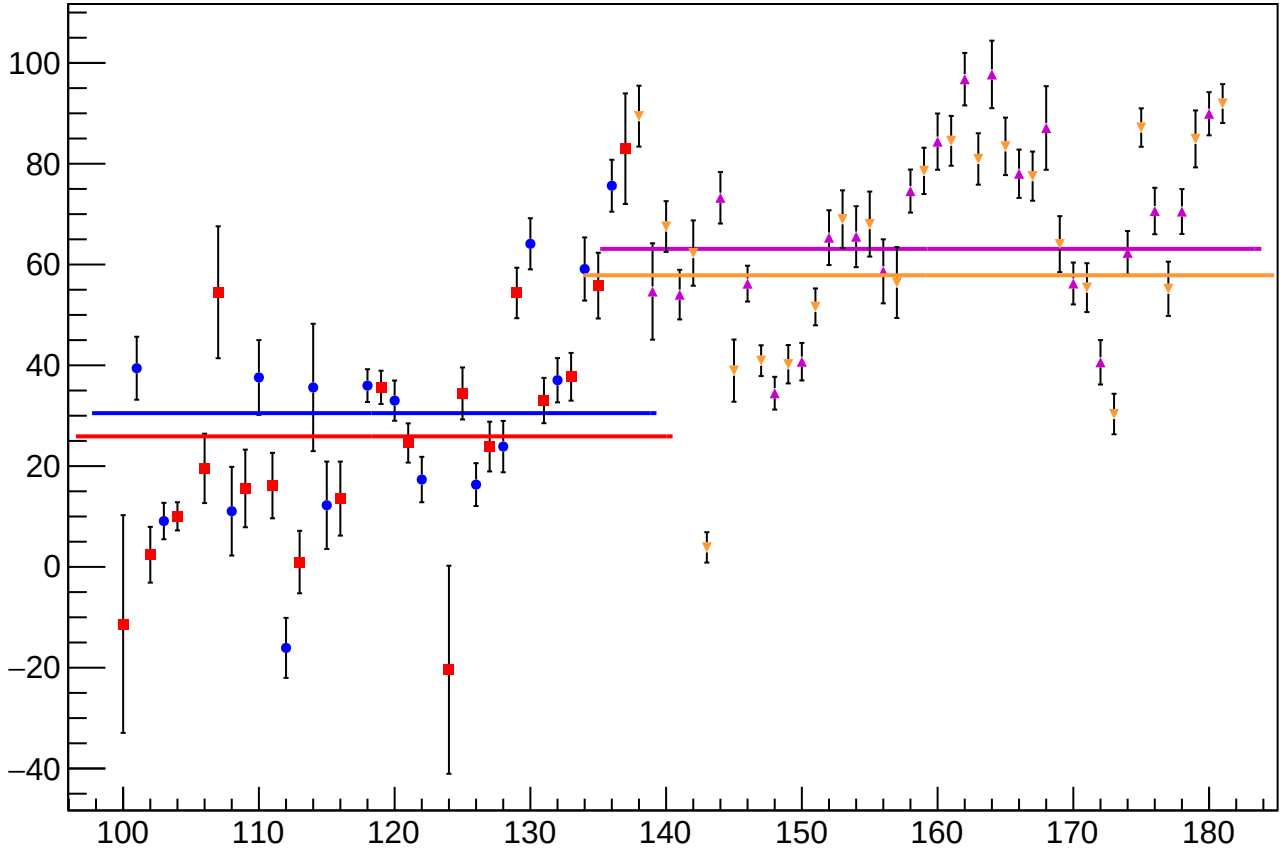
Left In: 235.695+/-1.214 χ^2/NDF:2358.8/20

+ sign 179.315+/-0.800 χ^2/NDF: 23408.3/38

All: 183.994+/-0.572 χ^2/NDF: 44824.8/78

- sign 188.880+/-0.818 χ^2/NDF: 21346.7/39

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug



Right In: 30.510+/-1.255 χ^2/NDF: 276.9/15

Left Out: 57.869+/-0.957 χ^2/NDF:737.9/22

Right Out: 25.903+/-1.213 χ^2/NDF: 187.8/18

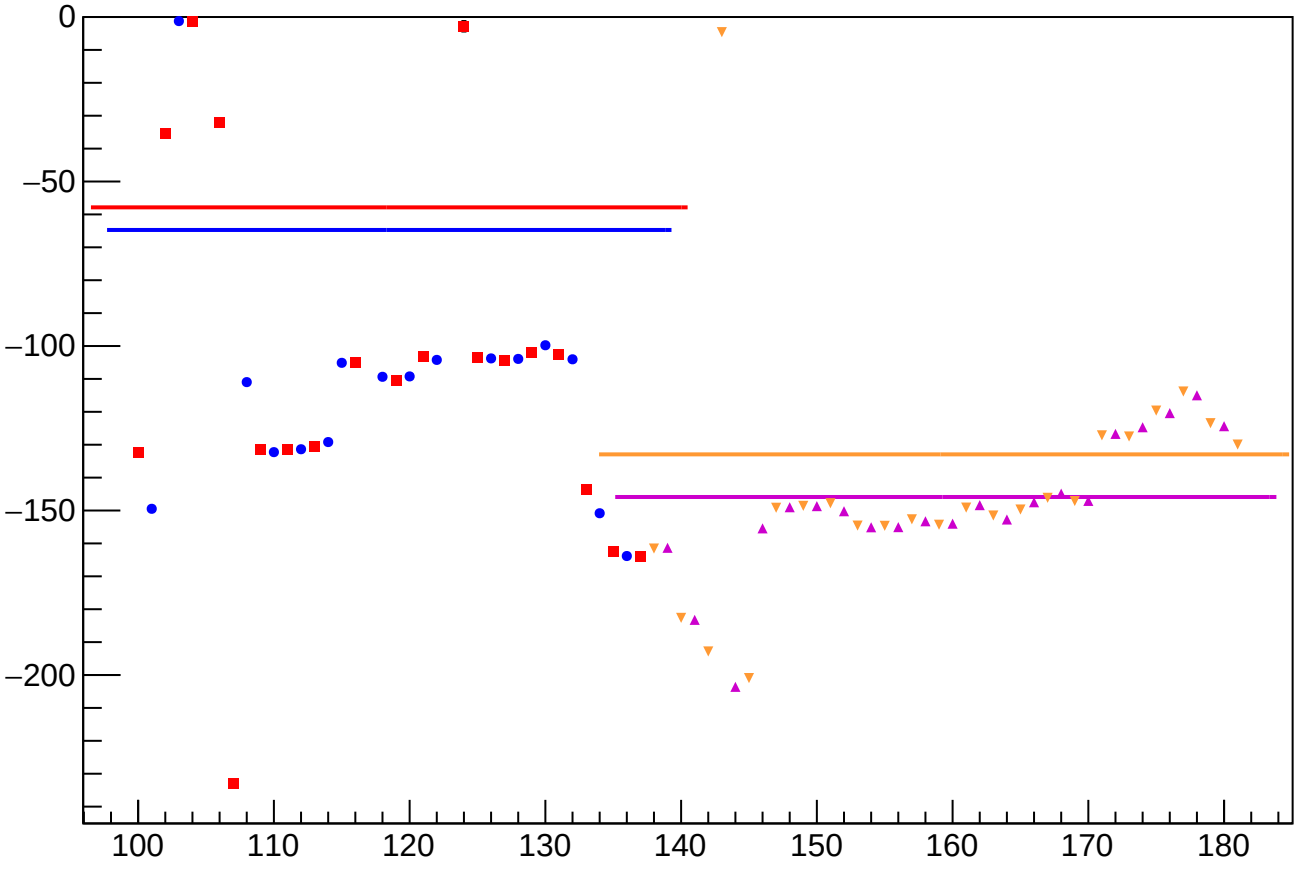
Left In: 63.104+/-1.031 χ^2/NDF:308.2/20

\+ sign 47.799+/-0.761 χ^2/NDF: 1315.4/38

All: 47.658+/-0.547 χ^2/NDF: 2357.6/78

\- sign 47.508+/-0.785 χ^2/NDF: 1042.2/39

reg_asym_atl_avg_diff_bpm12X_slope vs Slug



Right In: -64.726+/-0.064 χ^2/NDF: 1044441.7/15

Left Out: -132.933+/-0.045 χ^2/NDF:983622.2/22

Right Out: -57.855+/-0.062 χ^2/NDF: 875795.9/18

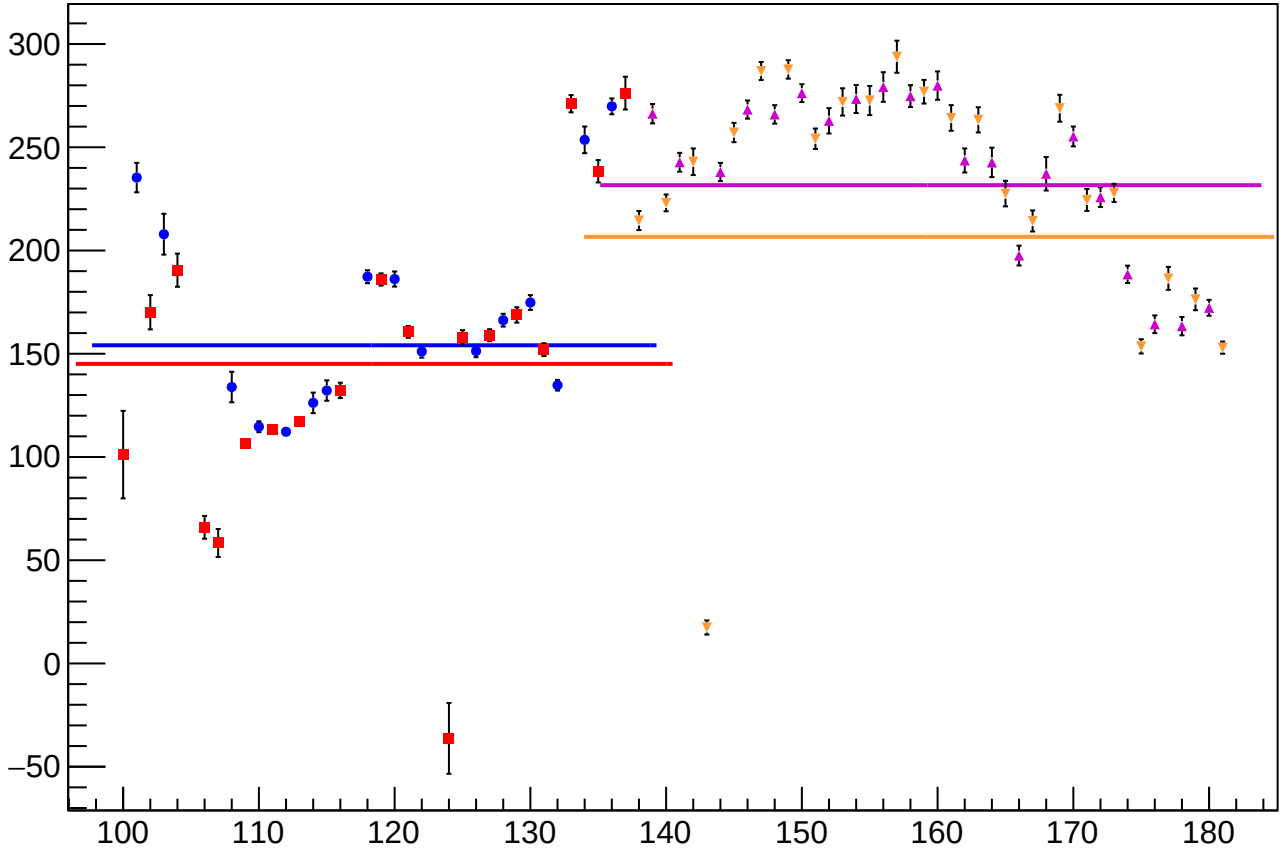
Left In: -145.888+/-0.047 χ^2/NDF:157434.1/20

\+ sign -110.362+/-0.037 χ^2/NDF: 2792962.0/38

All: -112.075+/-0.026 χ^2/NDF: 5107121.8/78

\- sign -113.862+/-0.037 χ^2/NDF: 2309708.5/39

reg_asym_atl_dd_diff_bpm1X_slope vs Slug



Right In: 154.096+/-0.869 χ^2/NDF: 2281.1/15

Left Out: 206.602+/-1.005 χ^2/NDF:5329.6/22

Right Out: 145.083+/-0.826 χ^2/NDF: 2958.4/18

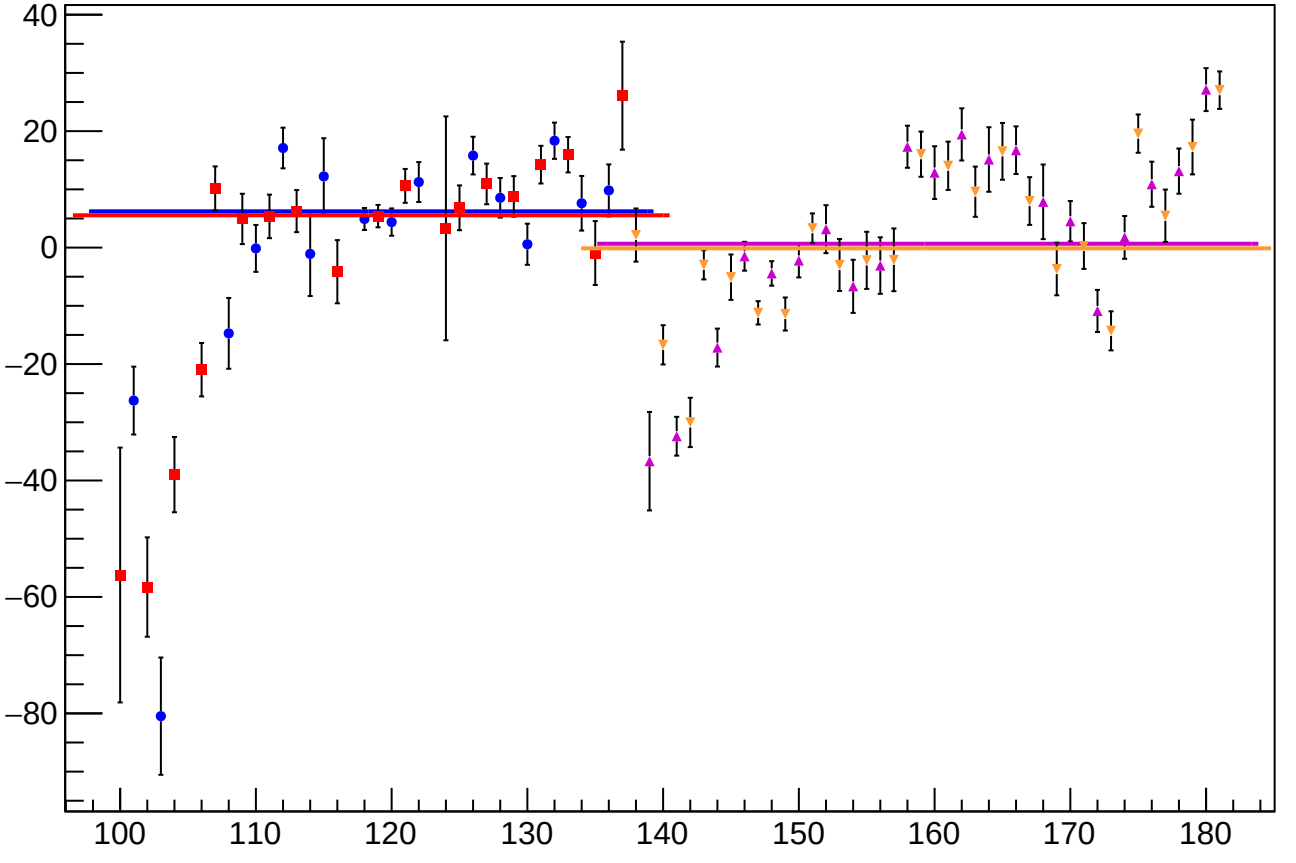
Left In: 231.639+/-1.086 χ^2/NDF:1429.8/20

\+ sign 176.555+/-0.657 χ^2/NDF: 9171.9/38

All: 176.682+/-0.465 χ^2/NDF: 17584.7/78

\- sign 176.809+/-0.657 χ^2/NDF: 8412.7/39

reg_asym_atl_dd_diff_bpm4aY_slope vs Slug



Right In: 6.229+/-0.890 χ^2/NDF: 162.1/15

Left Out: -0.126+/-0.738 χ^2/NDF:316.6/22

Right Out: 5.548+/-0.889 χ^2/NDF: 181.1/18

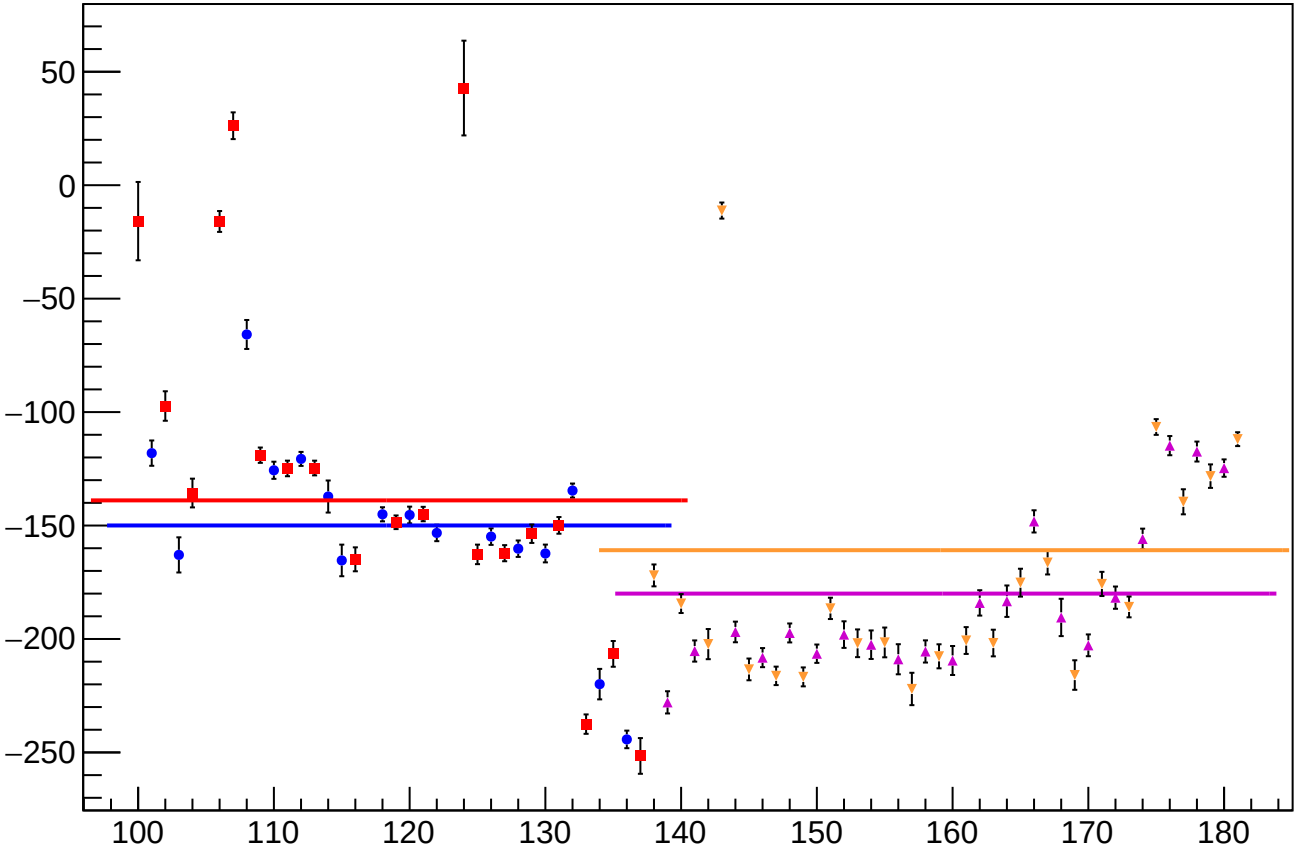
Left In: 0.661+/-0.794 χ^2/NDF:309.1/20

+ sign 2.464+/-0.568 χ^2/NDF: 508.9/38

All: 2.638+/-0.410 χ^2/NDF: 1016.1/78

- sign 2.828+/-0.592 χ^2/NDF: 507.0/39

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug



Right In: -149.970+/-1.026 χ^2/NDF: 1099.5/15

Left Out: -160.868+/-0.999 χ^2/NDF:3375.6/22

Right Out: -138.912+/-0.993 χ^2/NDF: 2750.9/18

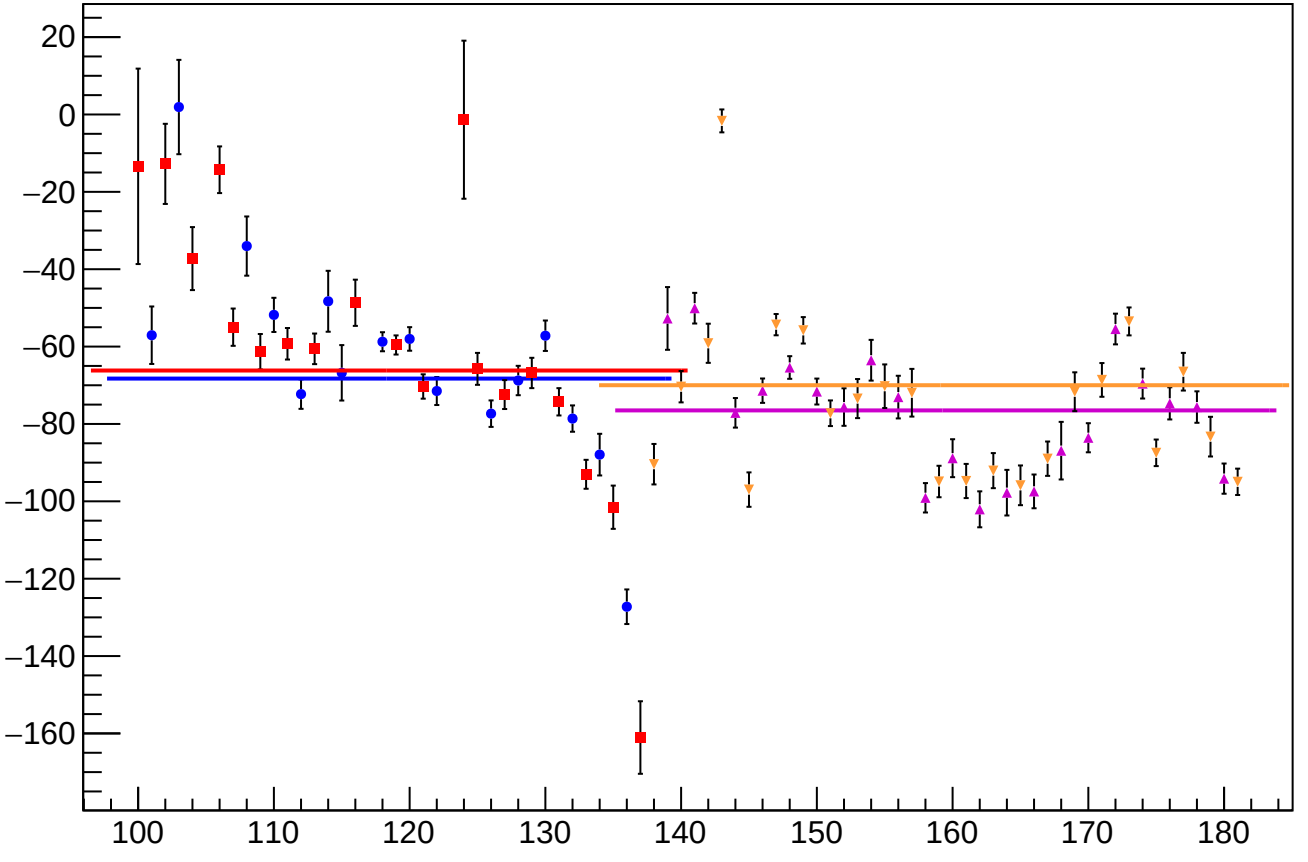
Left In: -179.998+/-1.071 χ^2/NDF:1078.1/20

+ sign -155.563+/-0.716 χ^2/NDF: 4533.0/38

All: -156.722+/-0.510 χ^2/NDF: 9158.7/78

- sign -157.922+/-0.728 χ^2/NDF: 4620.3/39

reg_asym_atl_dd_diff_bpm4eY_slope vs Slug



Right In: -68.272+/-1.033 χ^2/NDF: 315.4/15

Left Out: -69.987+/-0.852 χ^2/NDF:888.0/22

Right Out: -66.186+/-1.024 χ^2/NDF: 358.3/18

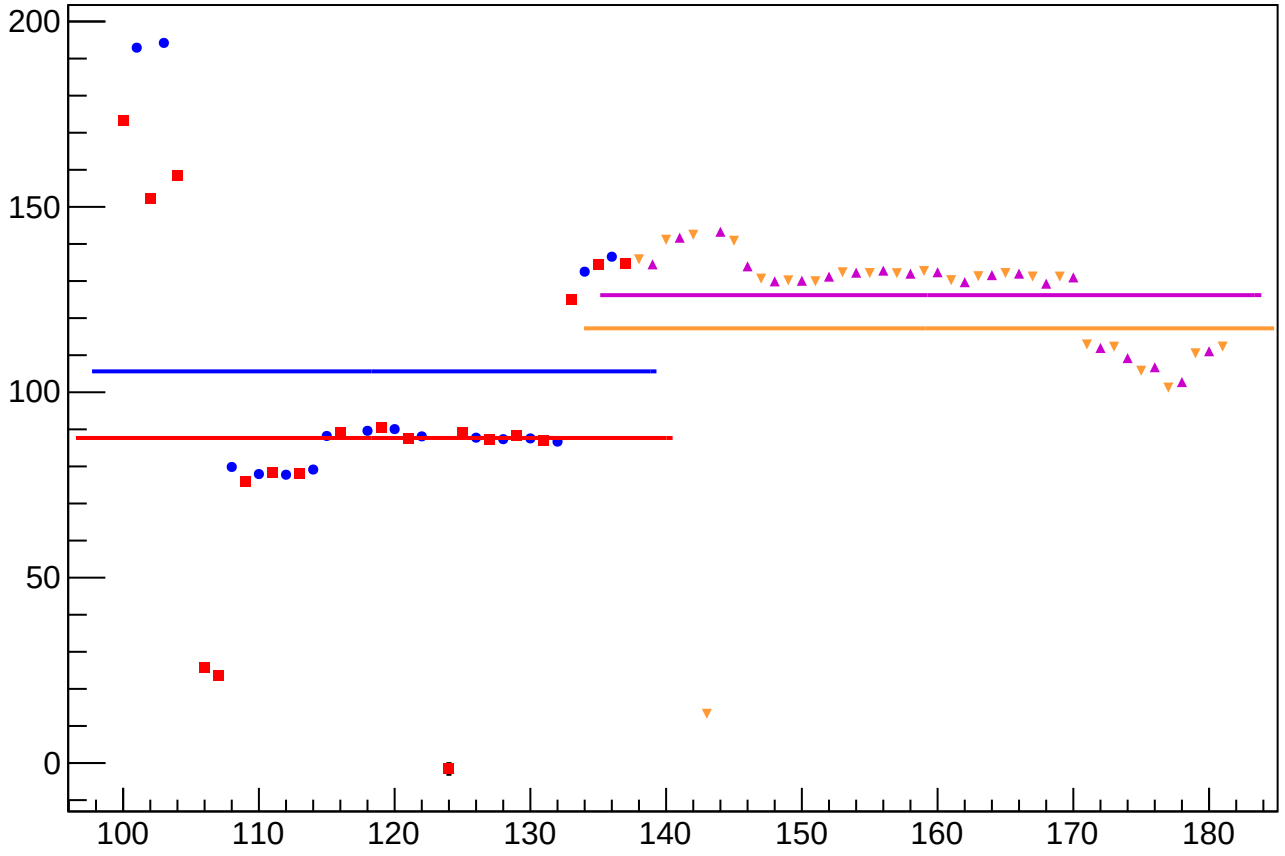
Left In: -76.498+/-0.910 χ^2/NDF:244.1/20

+ sign -69.292+/-0.658 χ^2/NDF: 1205.0/38

All: -70.574+/-0.473 χ^2/NDF: 1872.0/78

- sign -71.946+/-0.680 χ^2/NDF: 659.1/39

reg_asym_atl_dd_diff_bpm12X_slope vs Slug



Right In: 105.640+/-0.071 χ^2/NDF: 239614.1/15

Left Out: 117.238+/-0.040 χ^2/NDF:622165.5/22

Right Out: 87.673+/-0.066 χ^2/NDF: 374460.7/18

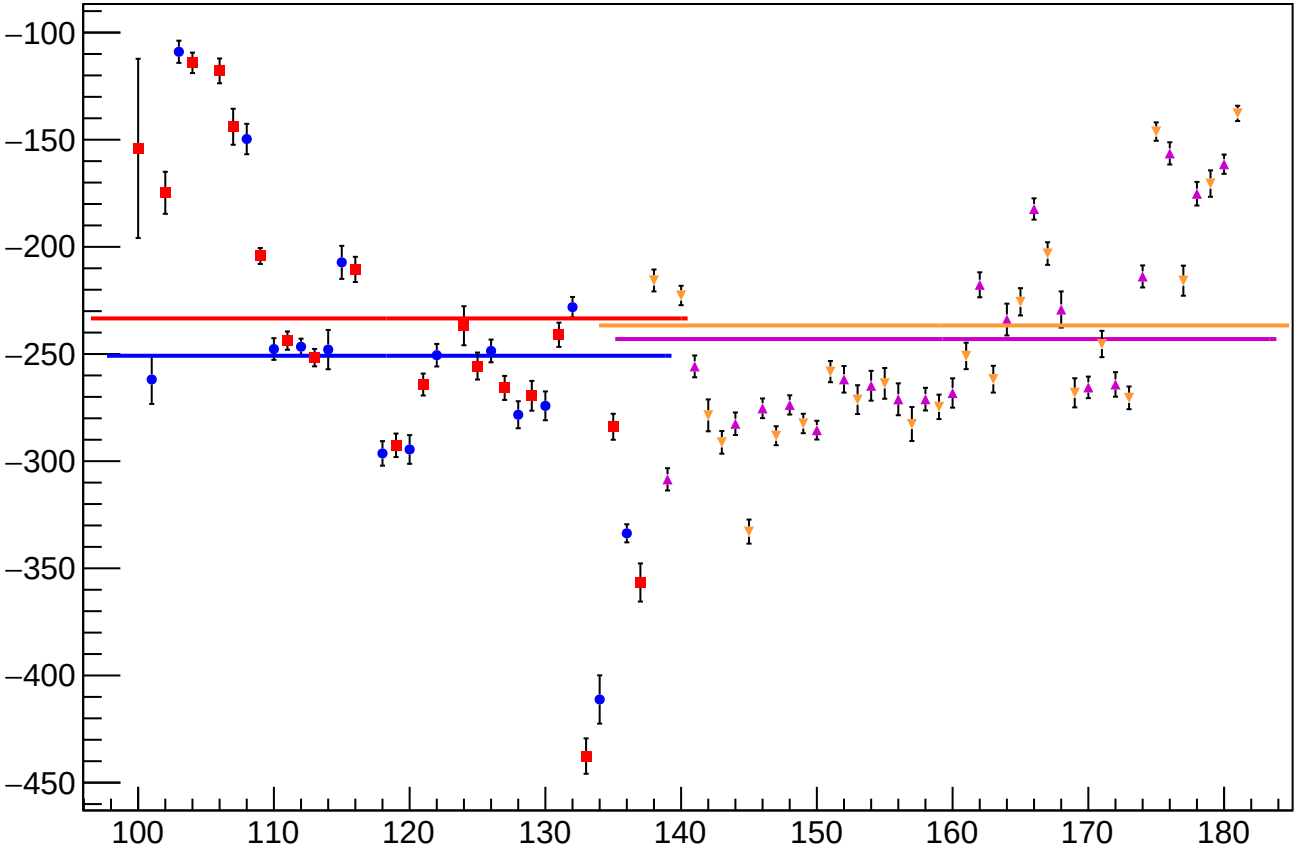
Left In: 126.195+/-0.041 χ^2/NDF:77117.0/20

\+ sign 114.452+/-0.035 χ^2/NDF: 882150.7/38

All: 114.823+/-0.025 χ^2/NDF: 1580180.0/78

\- sign 115.202+/-0.035 χ^2/NDF: 697798.0/39

reg_asym_atr_avg_diff_bpm1X_slope vs Slug



Right In: -250.812+/-1.438 χ^2/NDF: 1735.7/15

Left Out: -236.666+/-1.134 χ^2/NDF:2300.3/22

Right Out: -233.396+/-1.333 χ^2/NDF: 2378.5/18

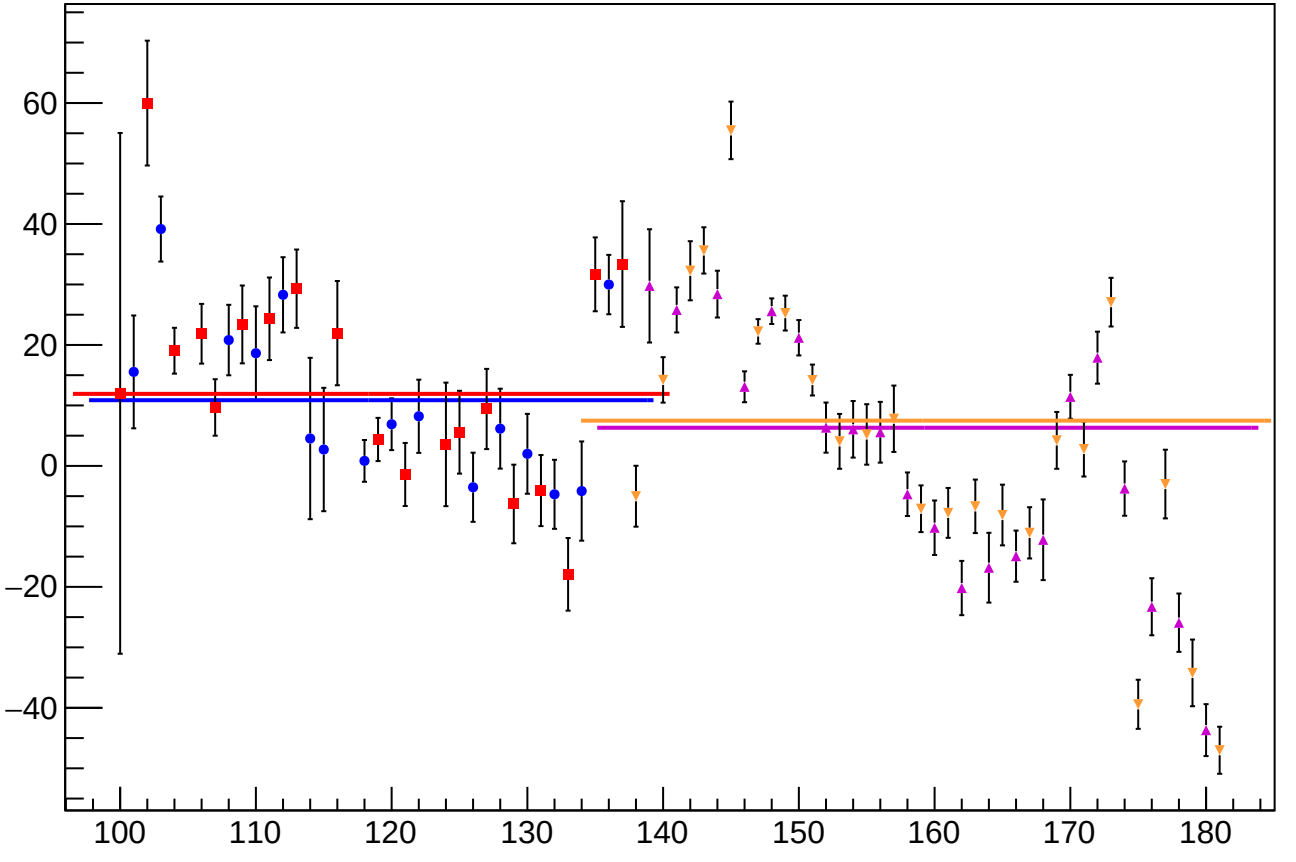
Left In: -243.013+/-1.184 χ^2/NDF:1485.5/20

+ sign -242.090+/-0.891 χ^2/NDF: 4095.7/38

All: -240.421+/-0.628 χ^2/NDF: 7995.7/78

- sign -238.771+/-0.885 χ^2/NDF: 3893.1/39

reg_asym_atr_avg_diff_bpm4aY_slope vs Slug



Right In: 10.864+/-1.471 χ^2/NDF: 84.7/15

Left Out: 7.484+/-0.811 χ^2/NDF:772.1/22

Right Out: 11.912+/-1.368 χ^2/NDF: 111.9/18

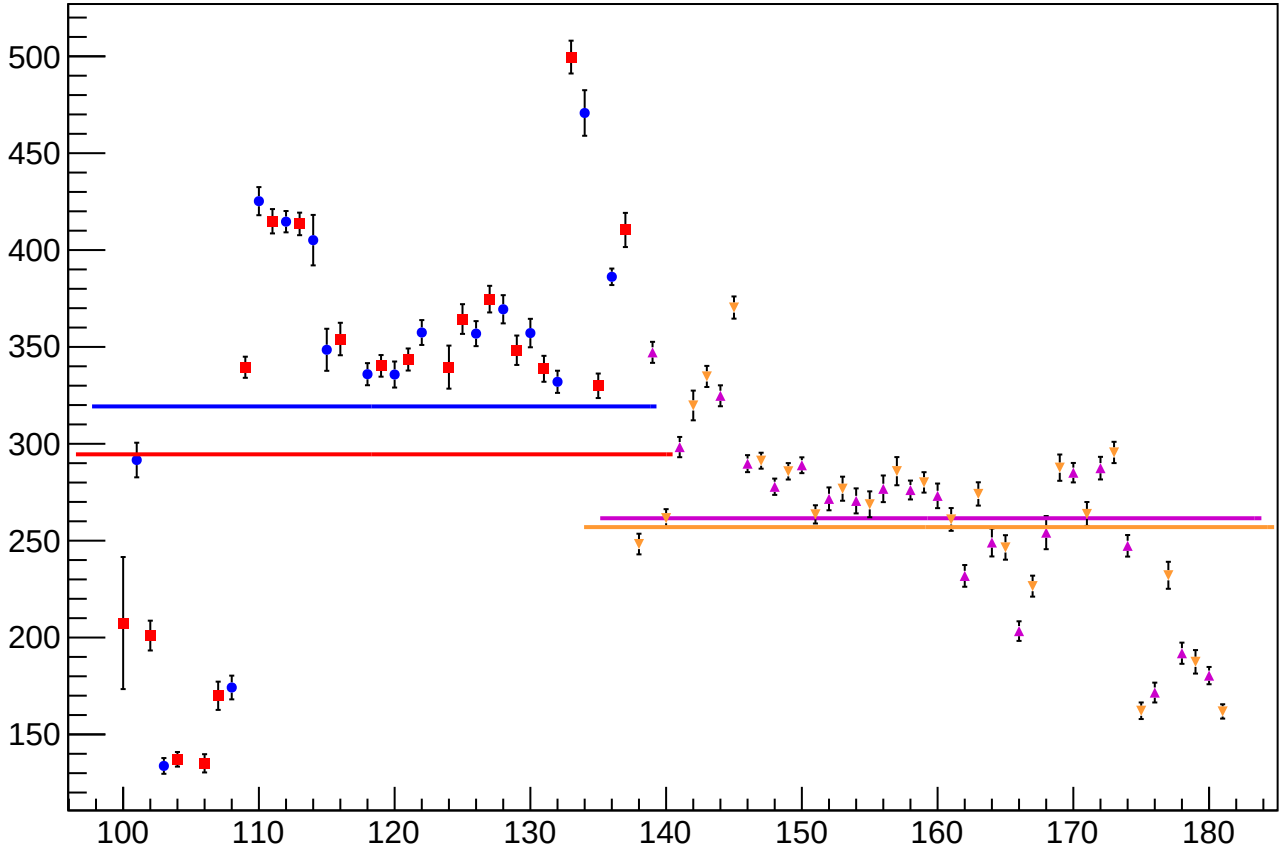
Left In: 6.310+/-0.847 χ^2/NDF:522.8/20

+ sign 8.272+/-0.710 χ^2/NDF: 860.8/38

All: 8.071+/-0.506 χ^2/NDF: 1507.8/78

- sign 7.863+/-0.720 χ^2/NDF: 646.9/39

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug



Right In: 319.293+/-1.586 χ^2/NDF: 3792.9/15

Left Out: 257.001+/-1.119 χ^2/NDF:2242.8/22

Right Out: 294.567+/-1.481 χ^2/NDF: 5503.2/18

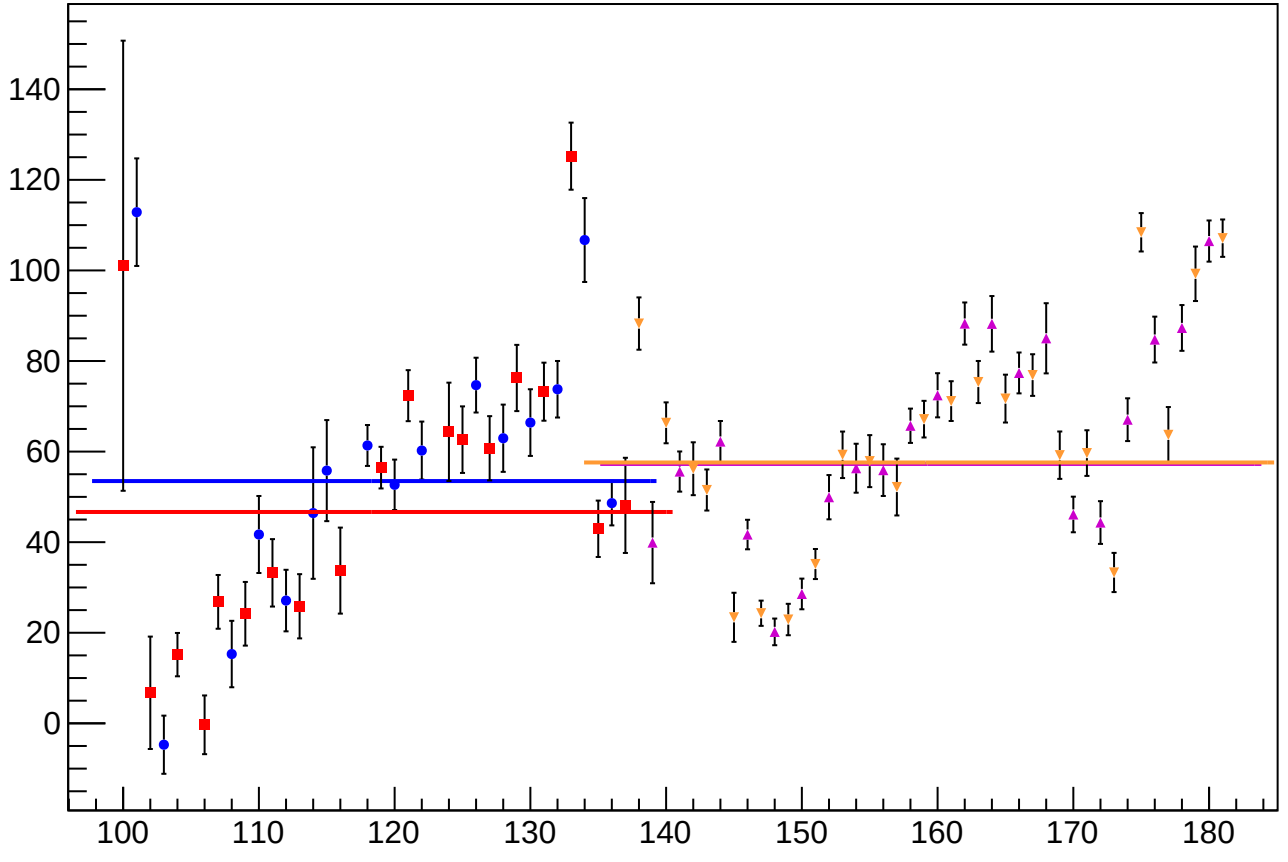
Left In: 261.577+/-1.162 χ^2/NDF:1573.0/20

+ sign 277.713+/-0.915 χ^2/NDF: 7065.4/38

All: 275.925+/-0.647 χ^2/NDF: 14456.2/78

- sign 274.140+/-0.914 χ^2/NDF: 7383.2/39

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug



Right In: 53.494+/-1.699 χ^2/NDF: 217.2/15

Left Out: 57.597+/-0.942 χ^2/NDF:785.9/22

Right Out: 46.666+/-1.593 χ^2/NDF: 325.6/18

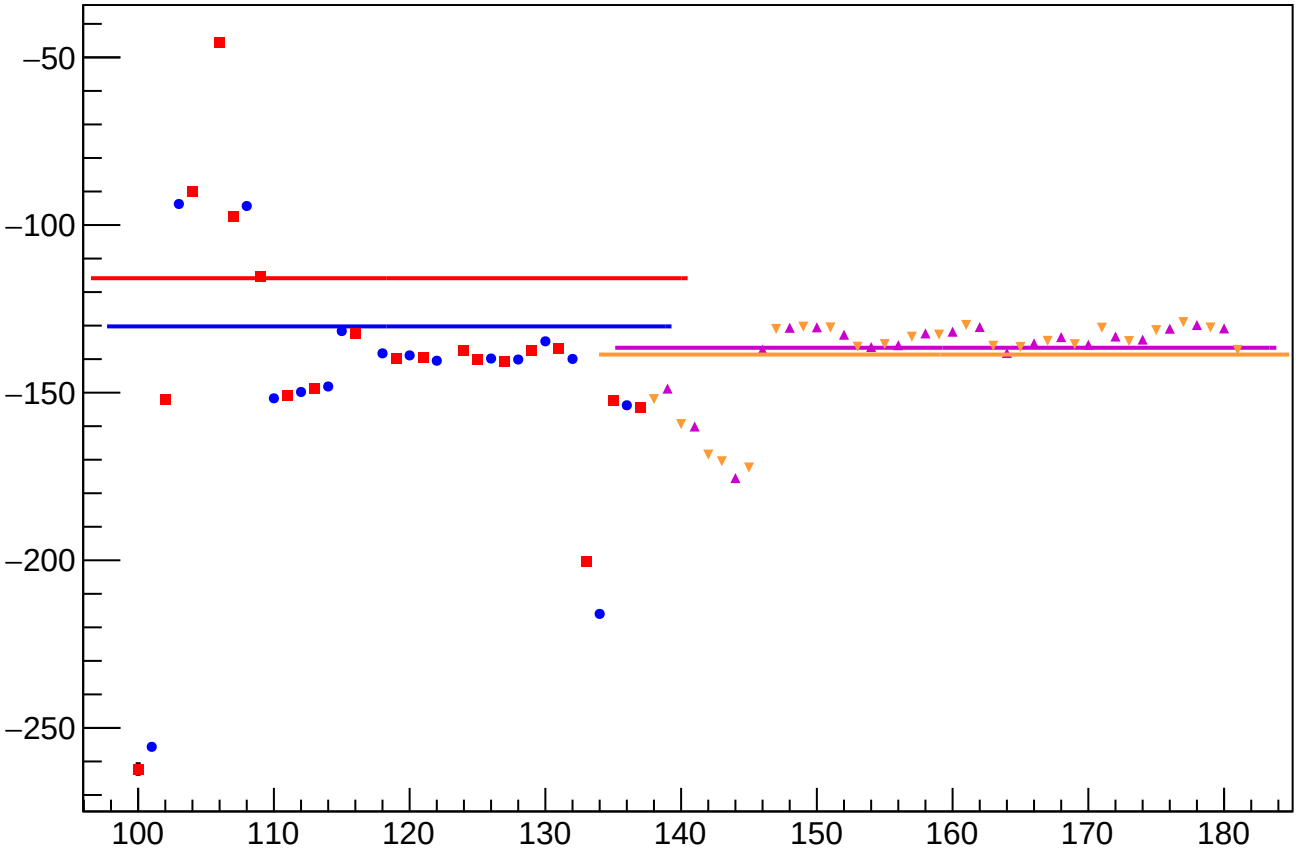
Left In: 57.272+/-0.977 χ^2/NDF:579.7/20

+ sign 56.633+/-0.824 χ^2/NDF: 1007.6/38

All: 55.515+/-0.586 χ^2/NDF: 1948.8/78

- sign 54.372+/-0.833 χ^2/NDF: 937.5/39

reg_asym_atr_avg_diff_bpm12X_slope vs Slug



Right In: -130.236+/-0.091 χ^2/NDF: 174208.5/15

Left Out: -138.635+/-0.044 χ^2/NDF:80610.9/22

Right Out: -115.865+/-0.086 χ^2/NDF: 205899.4/18

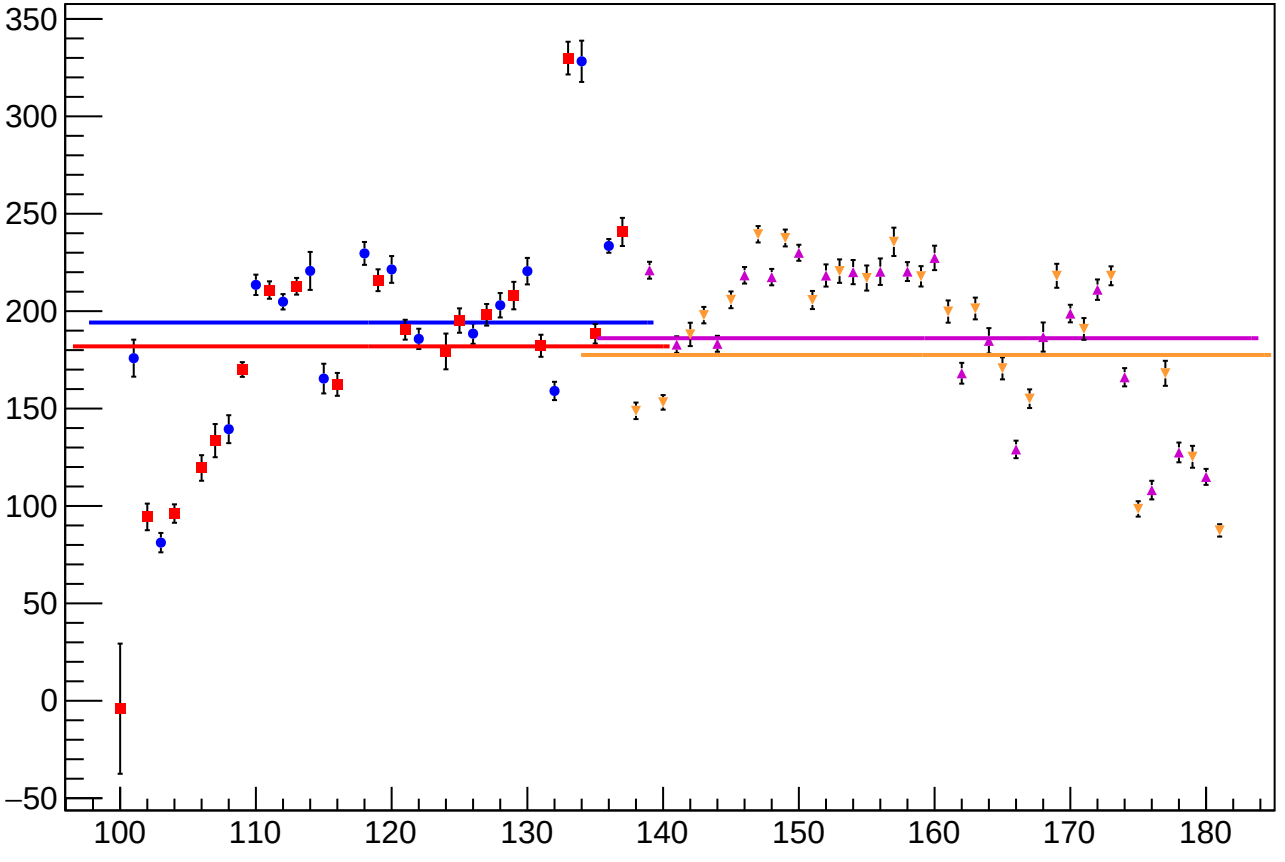
Left In: -136.607+/-0.045 χ^2/NDF:49496.9/20

+ sign -137.034+/-0.040 χ^2/NDF: 261701.9/38

All: -134.593+/-0.028 χ^2/NDF: 570624.0/78

- sign -132.162+/-0.040 χ^2/NDF: 301400.9/39

reg_asym_atr_dd_diff_bpm1X_slope vs Slug



Right In: 194.164+/-1.407 χ^2/NDF: 1035.2/15

Left Out: 177.516+/-1.008 χ^2/NDF:2282.9/22

Right Out: 181.928+/-1.322 χ^2/NDF: 1204.8/18

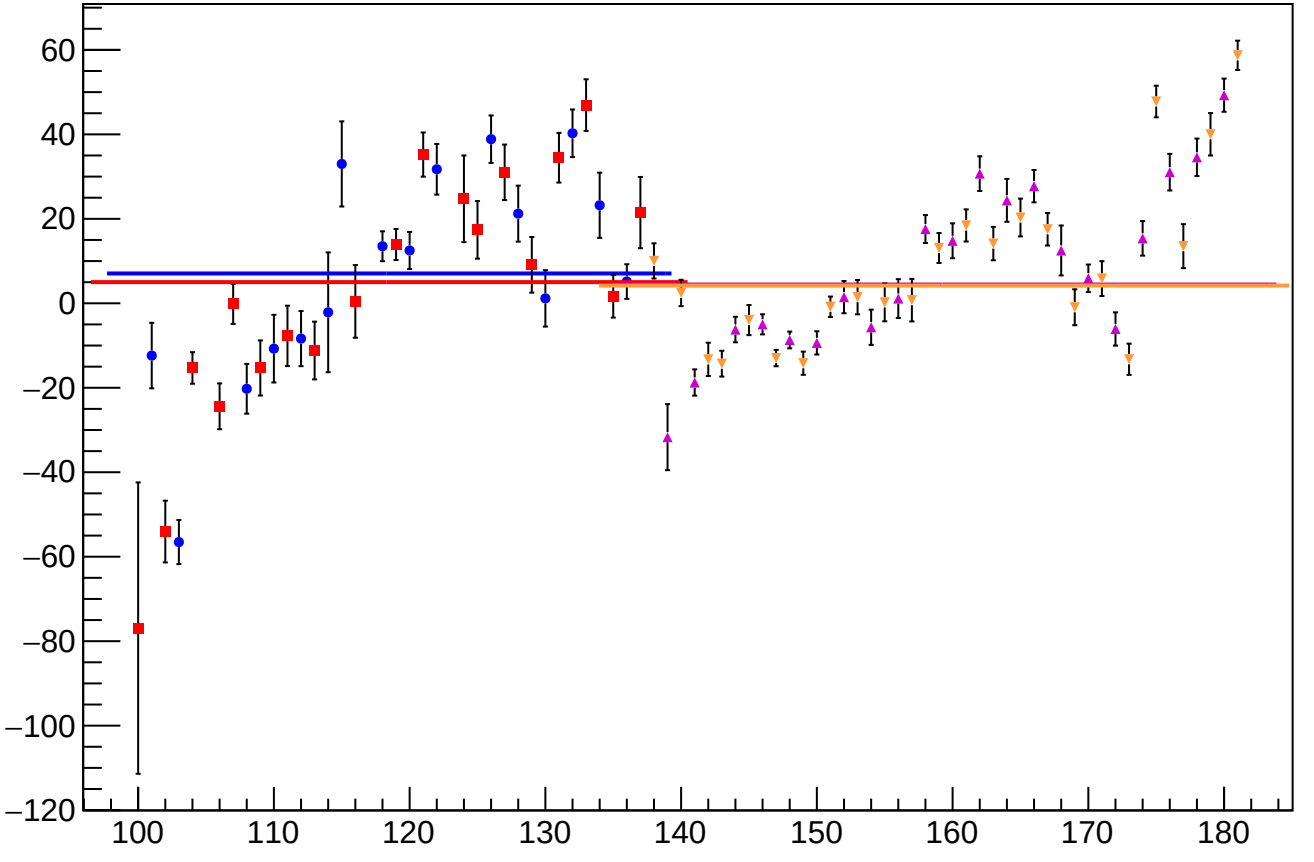
Left In: 186.114+/-1.063 χ^2/NDF:1394.7/20

+ sign 183.161+/-0.819 χ^2/NDF: 3410.6/38

All: 183.808+/-0.582 χ^2/NDF: 6017.5/78

- sign 184.470+/-0.828 χ^2/NDF: 2605.6/39

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug



Right In: 7.066+/-1.443 χ^2/NDF: 292.6/15

Left Out: 4.197+/-0.729 χ^2/NDF:705.6/22

Right Out: 5.015+/-1.355 χ^2/NDF: 288.5/18

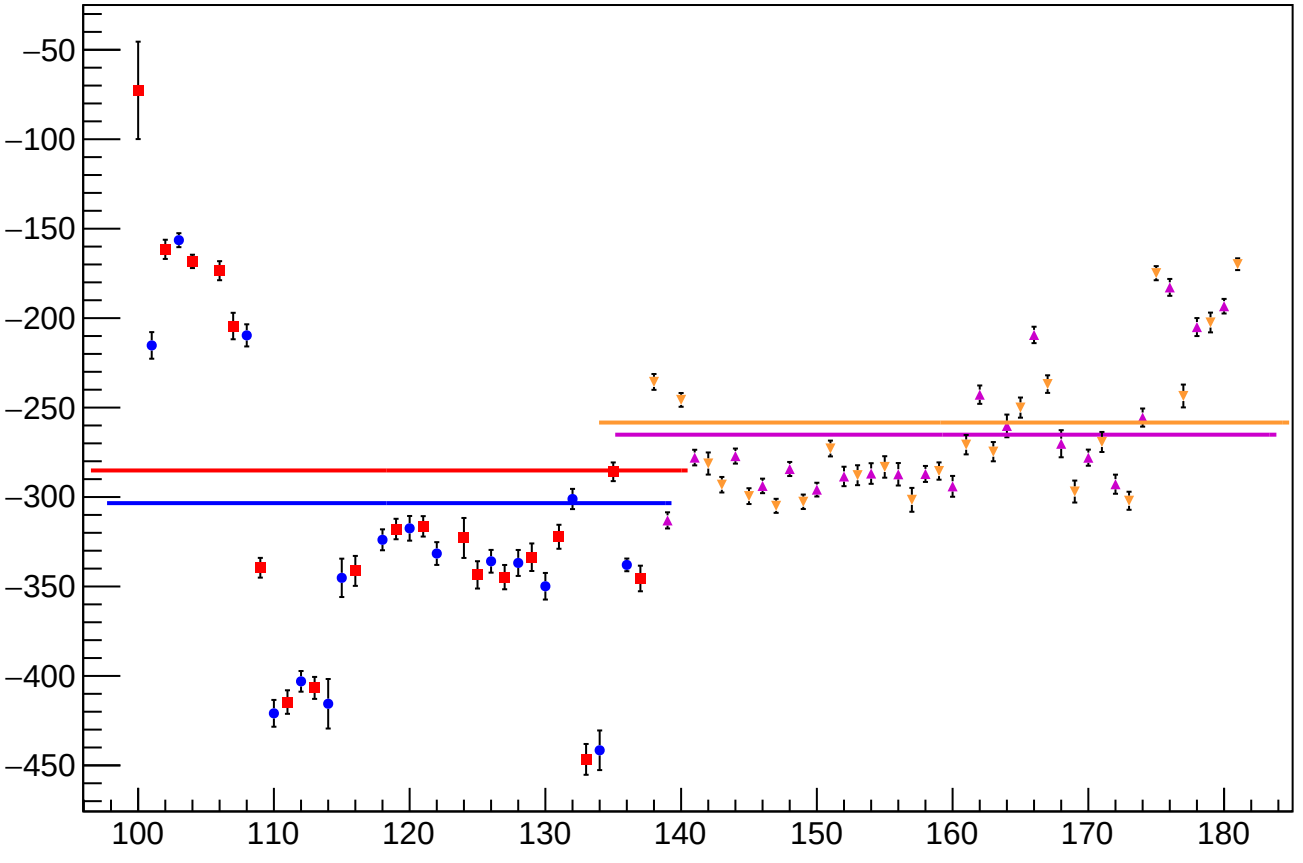
Left In: 4.446+/-0.767 χ^2/NDF:526.9/20

+ sign 4.781+/-0.651 χ^2/NDF: 1001.3/38

All: 4.685+/-0.466 χ^2/NDF: 1816.9/78

- sign 4.584+/-0.668 χ^2/NDF: 815.6/39

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug



Right In: -303.408+/-1.530 χ^2/NDF: 2785.5/15

Left Out: -258.362+/-0.998 χ^2/NDF:2022.5/22

Right Out: -285.148+/-1.451 χ^2/NDF: 3754.8/18

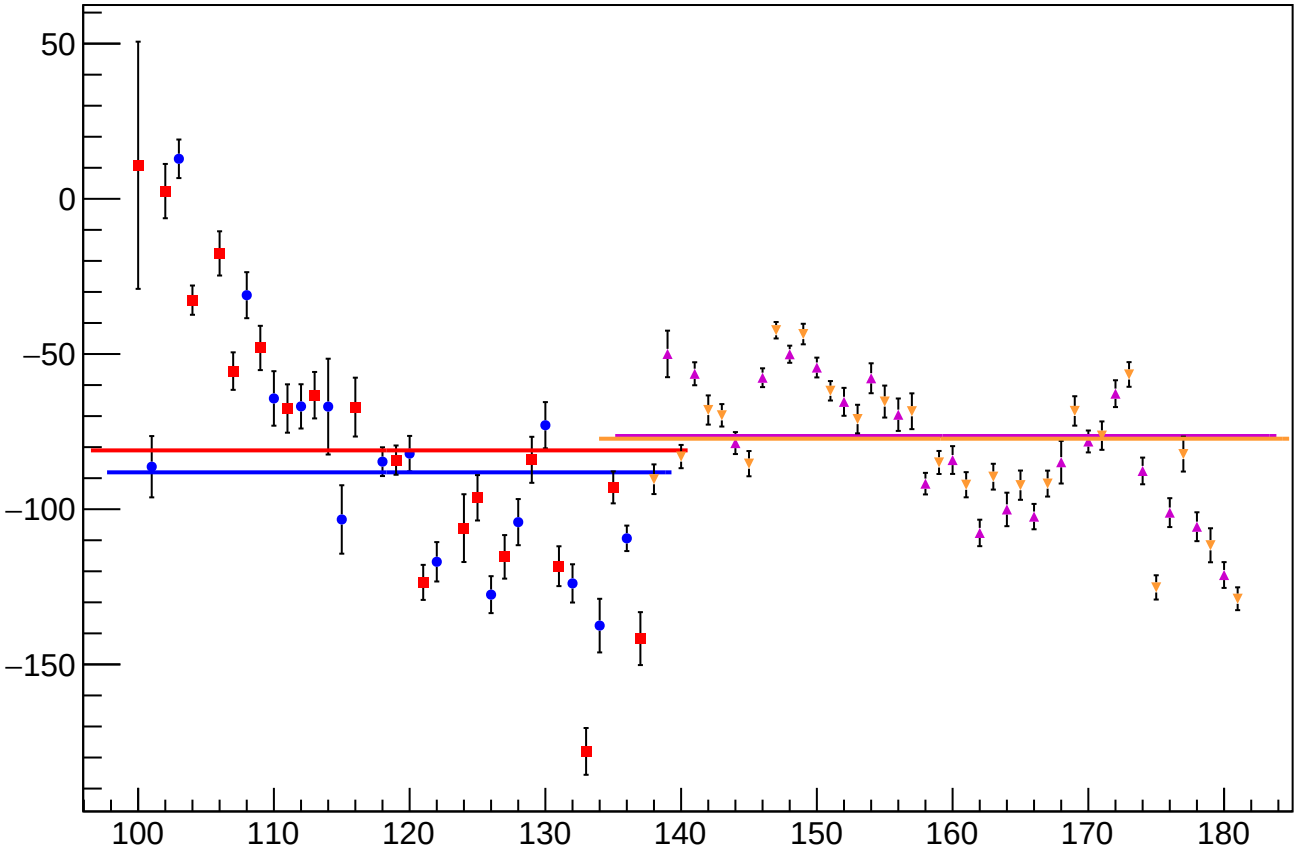
Left In: -265.149+/-1.045 χ^2/NDF:1324.4/20

+ sign -271.807+/-0.836 χ^2/NDF: 5416.1/38

All: -271.893+/-0.595 χ^2/NDF: 10620.4/78

- sign -271.982+/-0.848 χ^2/NDF: 5204.3/39

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug



Right In: -88.119+/-1.655 χ^2/NDF: 511.9/15

Left Out: -77.283+/-0.845 χ^2/NDF:799.0/22

Right Out: -81.046+/-1.569 χ^2/NDF: 677.5/18

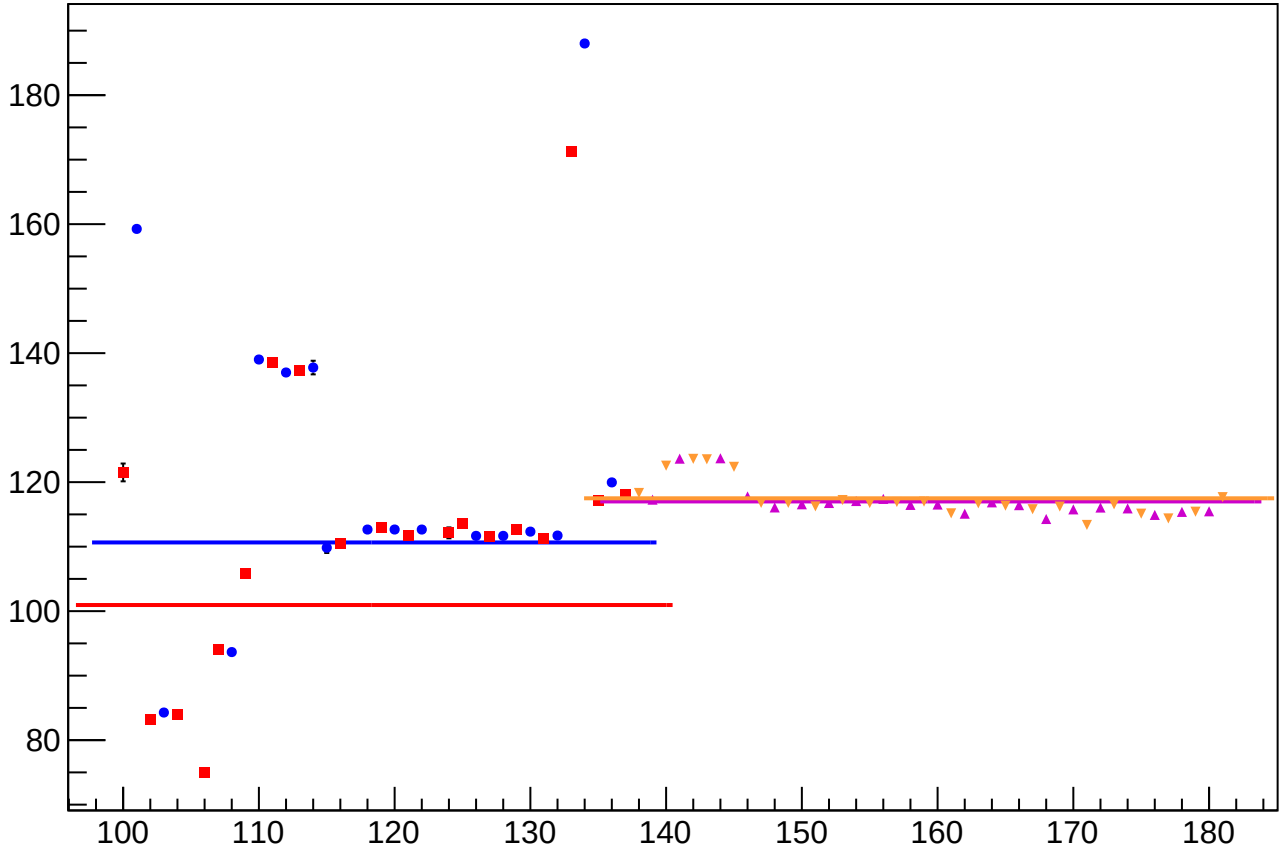
Left In: -76.411+/-0.884 χ^2/NDF:580.3/20

+ sign -79.523+/-0.753 χ^2/NDF: 1344.9/38

All: -78.549+/-0.538 χ^2/NDF: 2612.8/78

- sign -77.528+/-0.770 χ^2/NDF: 1264.5/39

reg_asym_atr_dd_diff_bpm12X_slope vs Slug



Right In: 110.651+/-0.086 χ^2/NDF: 83521.8/15

Left Out: 117.496+/-0.039 χ^2/NDF:4729.1/22

Right Out: 100.949+/-0.081 χ^2/NDF: 62002.4/18

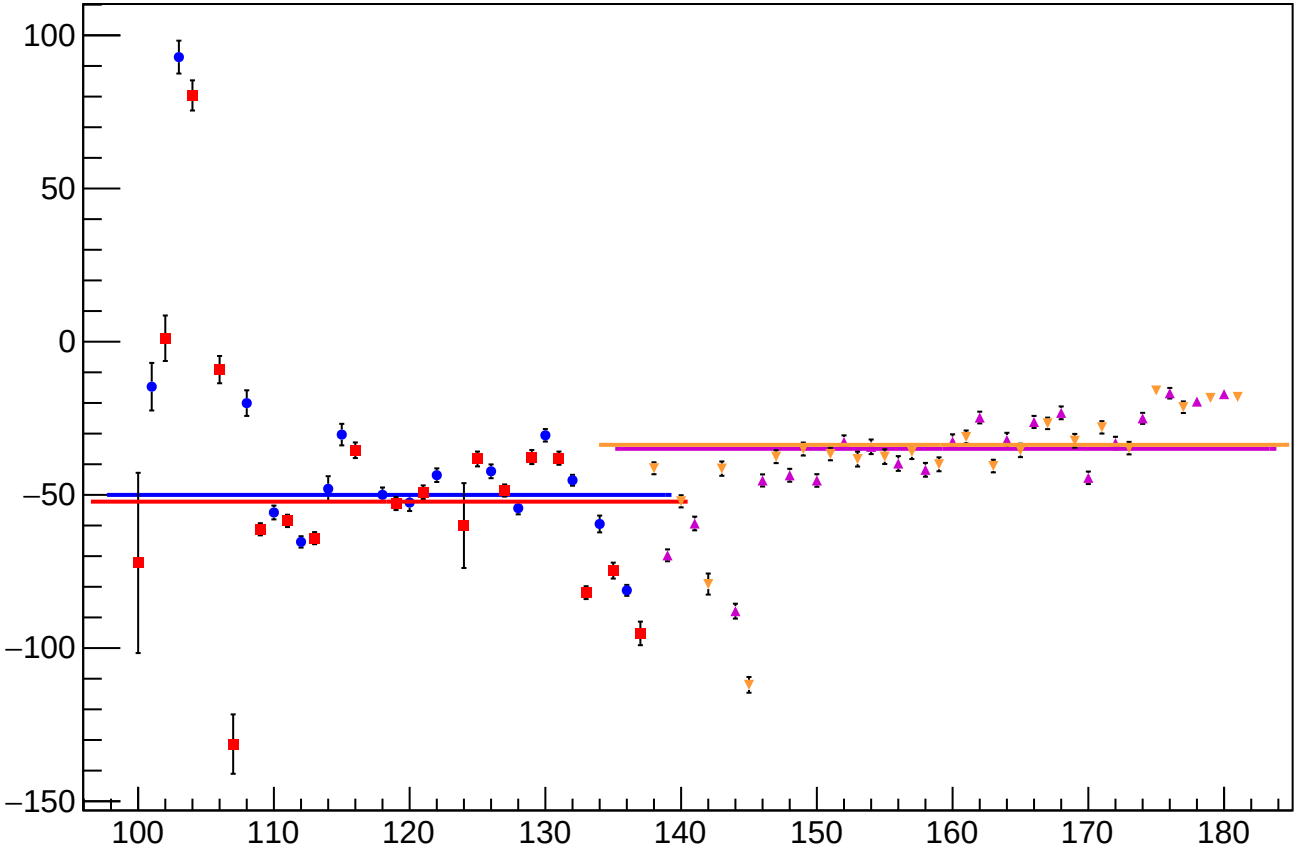
Left In: 117.009+/-0.040 χ^2/NDF:3296.2/20

+ sign 116.301+/-0.036 χ^2/NDF: 93501.9/38

All: 115.068+/-0.025 χ^2/NDF: 192707.8/78

- sign 113.821+/-0.036 χ^2/NDF: 96828.3/39

reg_asym_at1_avg_diff_bpm1X_slope vs Slug



Right In: -50.008+/-0.610 χ^2/NDF: 1327.4/15

Left Out: -33.665+/-0.420 χ^2/NDF:1693.5/22

Right Out: -52.207+/-0.605 χ^2/NDF: 1570.3/18

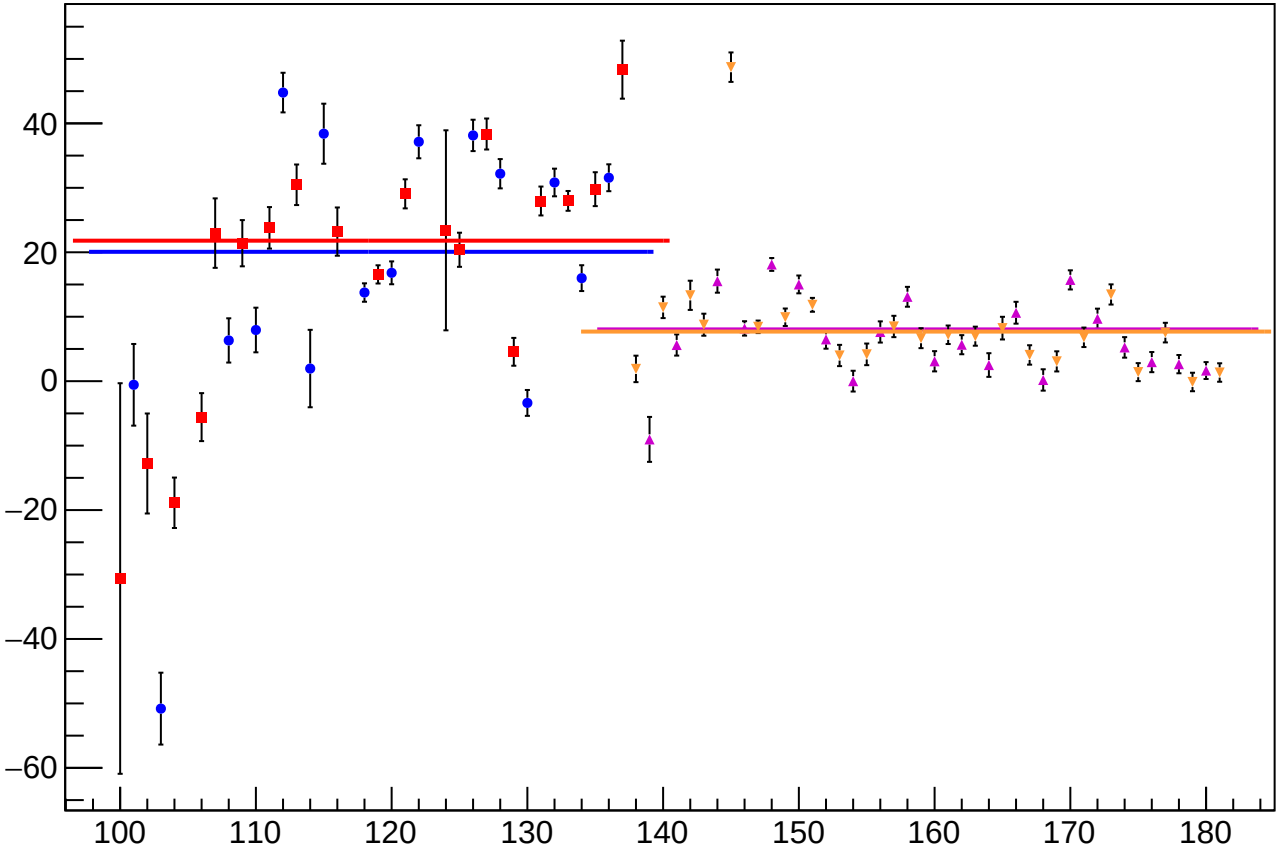
Left In: -34.968+/-0.436 χ^2/NDF:1507.0/20

+ sign -38.920+/-0.346 χ^2/NDF: 3507.9/38

All: -39.867+/-0.247 χ^2/NDF: 7135.1/78

- sign -40.857+/-0.354 χ^2/NDF: 3611.8/39

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug



Right In: 20.072+/-0.612 χ^2/NDF: 636.2/15

Left Out: 7.696+/-0.313 χ^2/NDF:468.7/22

Right Out: 21.800+/-0.622 χ^2/NDF: 396.3/18

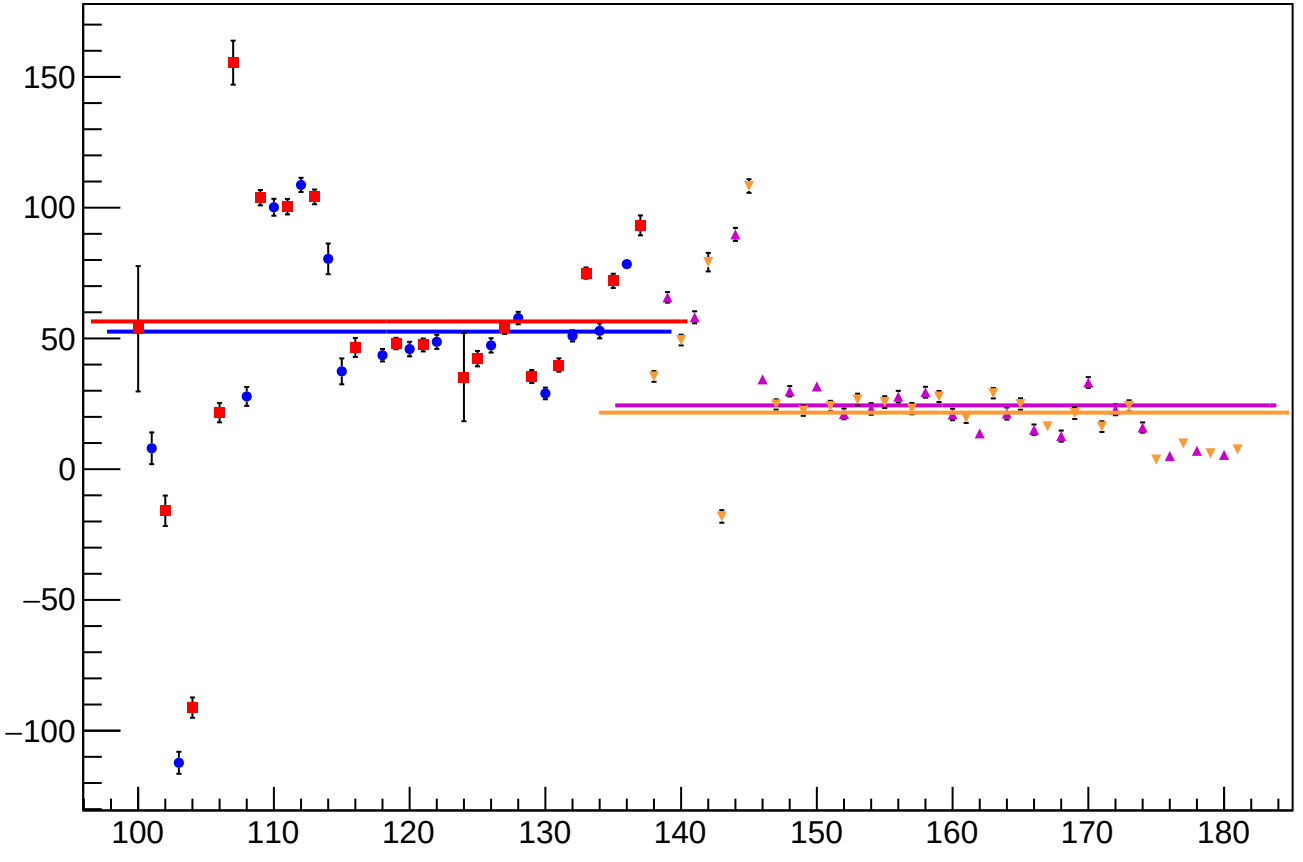
Left In: 8.033+/-0.327 χ^2/NDF:333.8/20

+ sign 10.267+/-0.279 χ^2/NDF: 1428.9/38

All: 10.626+/-0.201 χ^2/NDF: 2546.3/78

- sign 11.012+/-0.289 χ^2/NDF: 1114.0/39

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug



Right In: 52.605+/-0.696 χ^2/NDF: 2659.4/15

Left Out: 21.633+/-0.415 χ^2/NDF:2328.2/22

Right Out: 56.499+/-0.705 χ^2/NDF: 2965.5/18

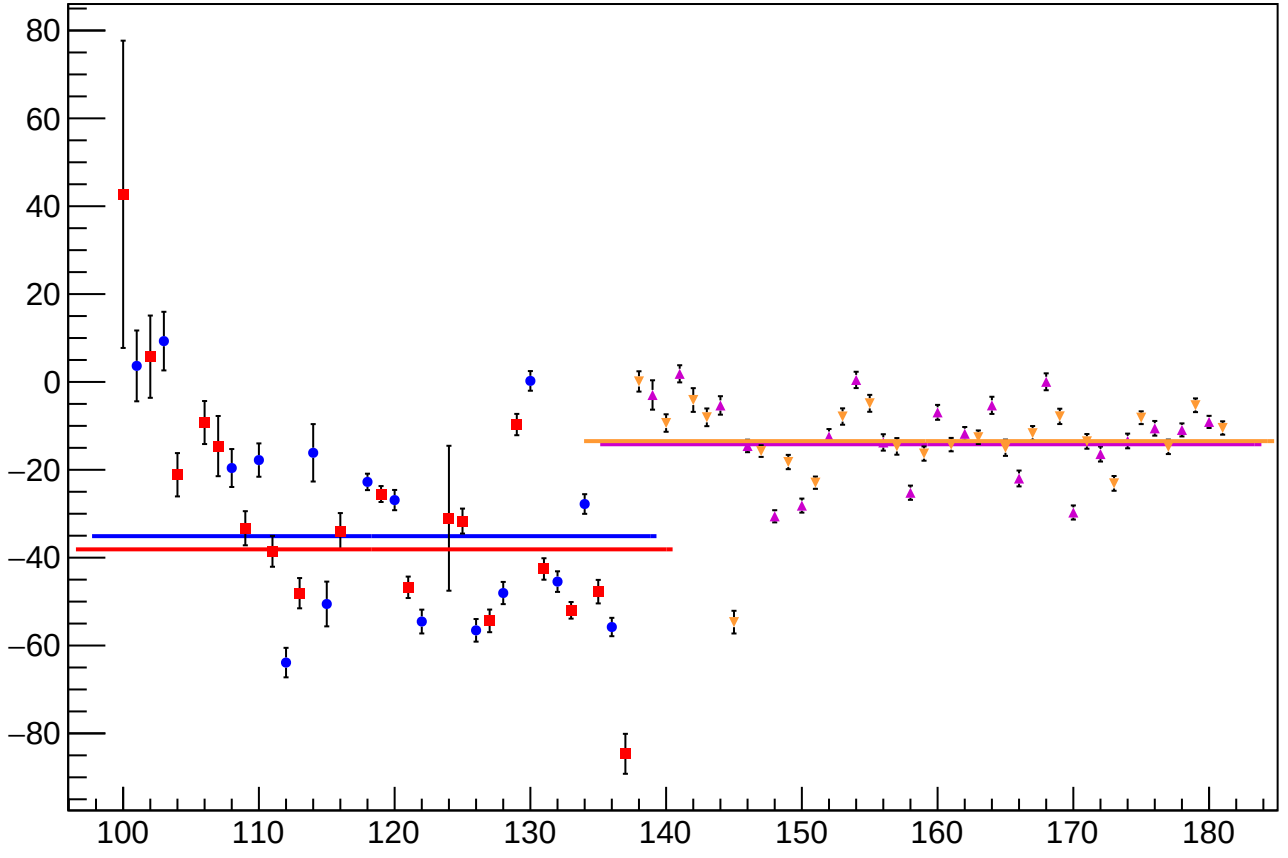
Left In: 24.398+/-0.429 χ^2/NDF:1946.7/20

\+ sign 29.741+/-0.356 χ^2/NDF: 6448.1/38

All: 31.352+/-0.255 χ^2/NDF: 12914.7/78

\- sign 33.054+/-0.366 χ^2/NDF: 6424.6/39

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug



Right In: -35.104+/-0.700 χ^2/NDF: 773.2/15

Left Out: -13.473+/-0.356 χ^2/NDF:492.8/22

Right Out: -38.109+/-0.714 χ^2/NDF: 514.6/18

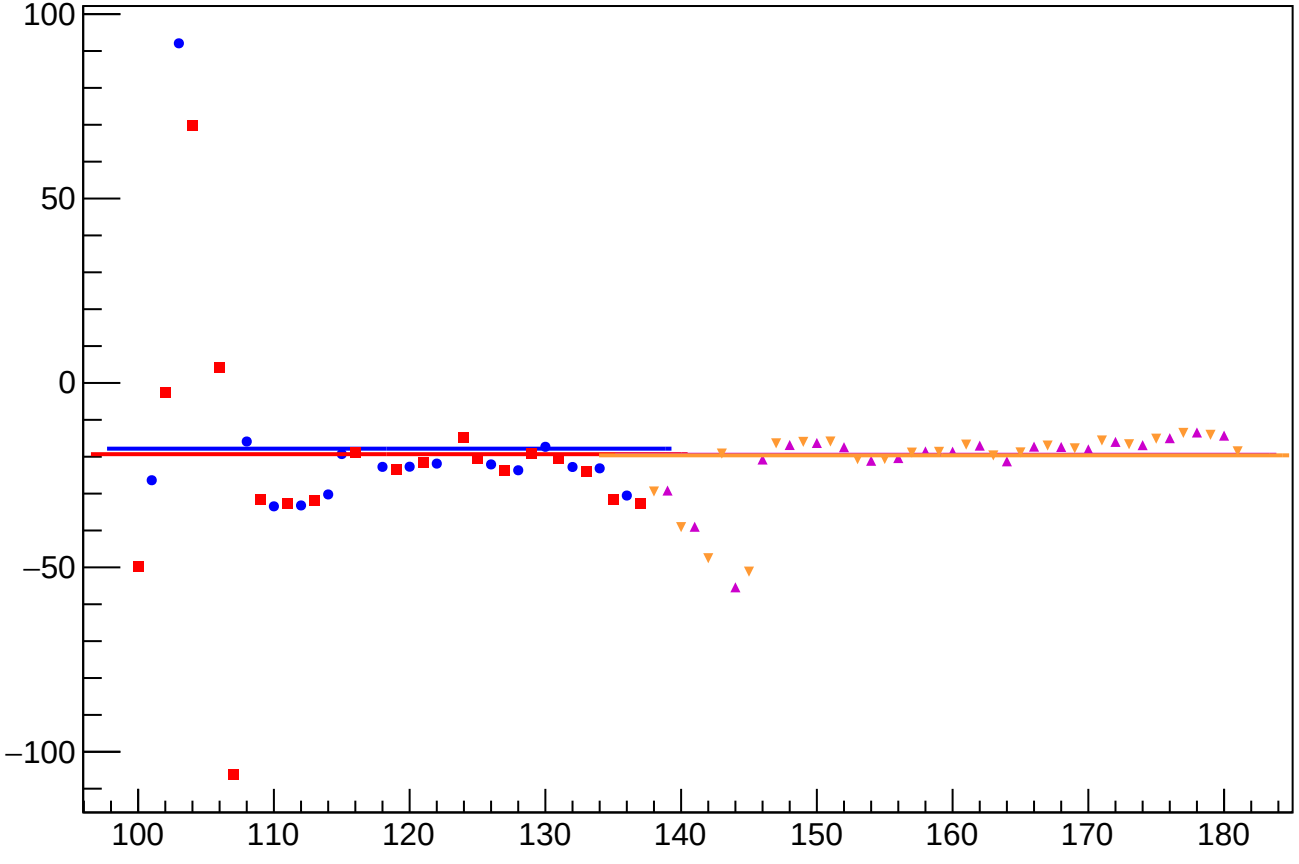
Left In: -14.186+/-0.370 χ^2/NDF:655.1/20

+ sign -17.926+/-0.318 χ^2/NDF: 2024.1/38

All: -18.565+/-0.228 χ^2/NDF: 4087.6/78

- sign -19.249+/-0.328 χ^2/NDF: 2055.1/39

reg_asym_at1_avg_diff_bpm12X_slope vs Slug



Right In: -17.817+/-0.043 χ^2/NDF: 426105.1/15

Left Out: -19.623+/-0.016 χ^2/NDF:227086.2/22

Right Out: -19.311+/-0.046 χ^2/NDF: 344626.7/18

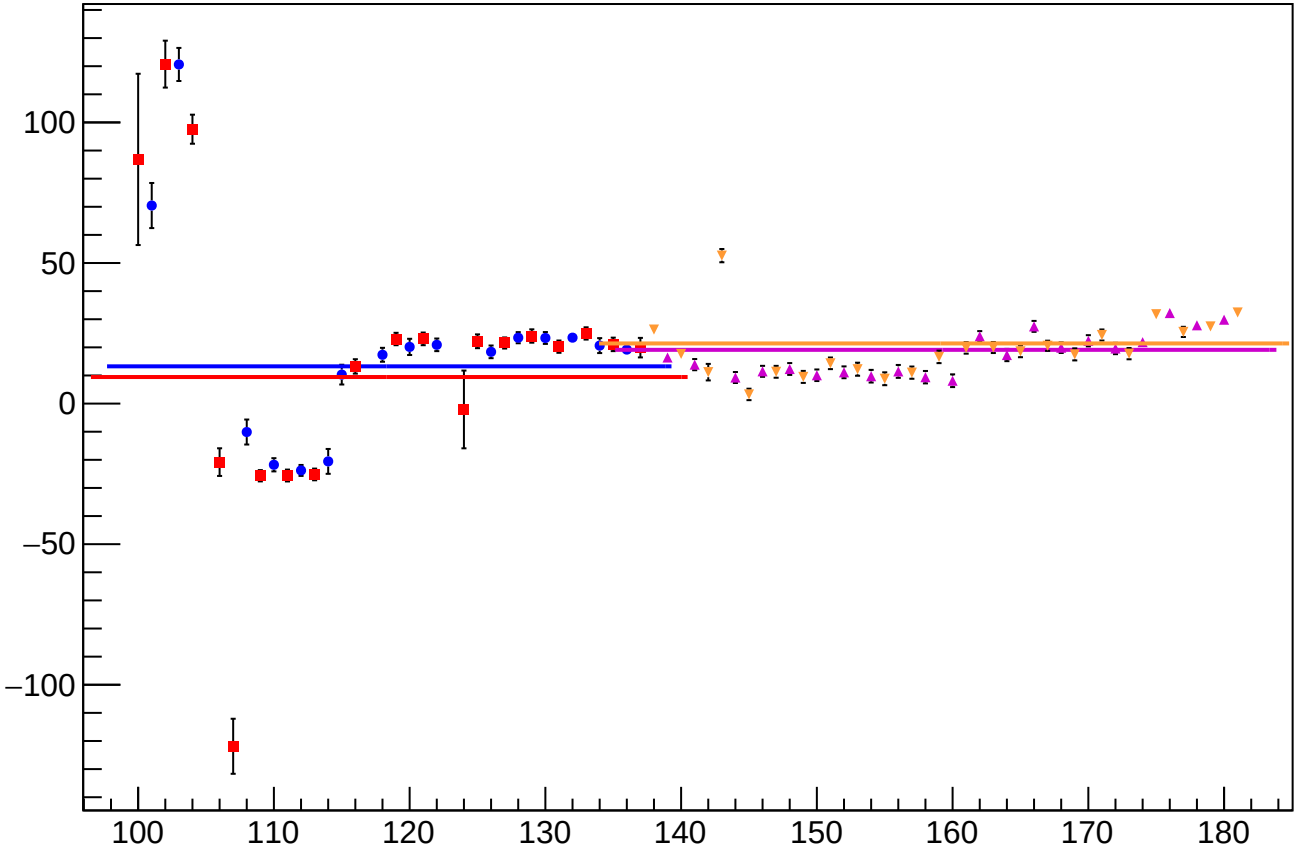
Left In: -19.464+/-0.016 χ^2/NDF:194050.8/20

+ sign -19.403+/-0.015 χ^2/NDF: 654723.5/38

All: -19.424+/-0.011 χ^2/NDF: 1193415.0/78

- sign -19.447+/-0.015 χ^2/NDF: 538687.3/39

reg_asym_at1_dd_diff_bpm1X_slope vs Slug



Right In: 13.250+/-0.615 χ^2/NDF: 1182.5/15

Left Out: 21.394+/-0.400 χ^2/NDF:580.1/22

Right Out: 9.450+/-0.615 χ^2/NDF: 1836.6/18

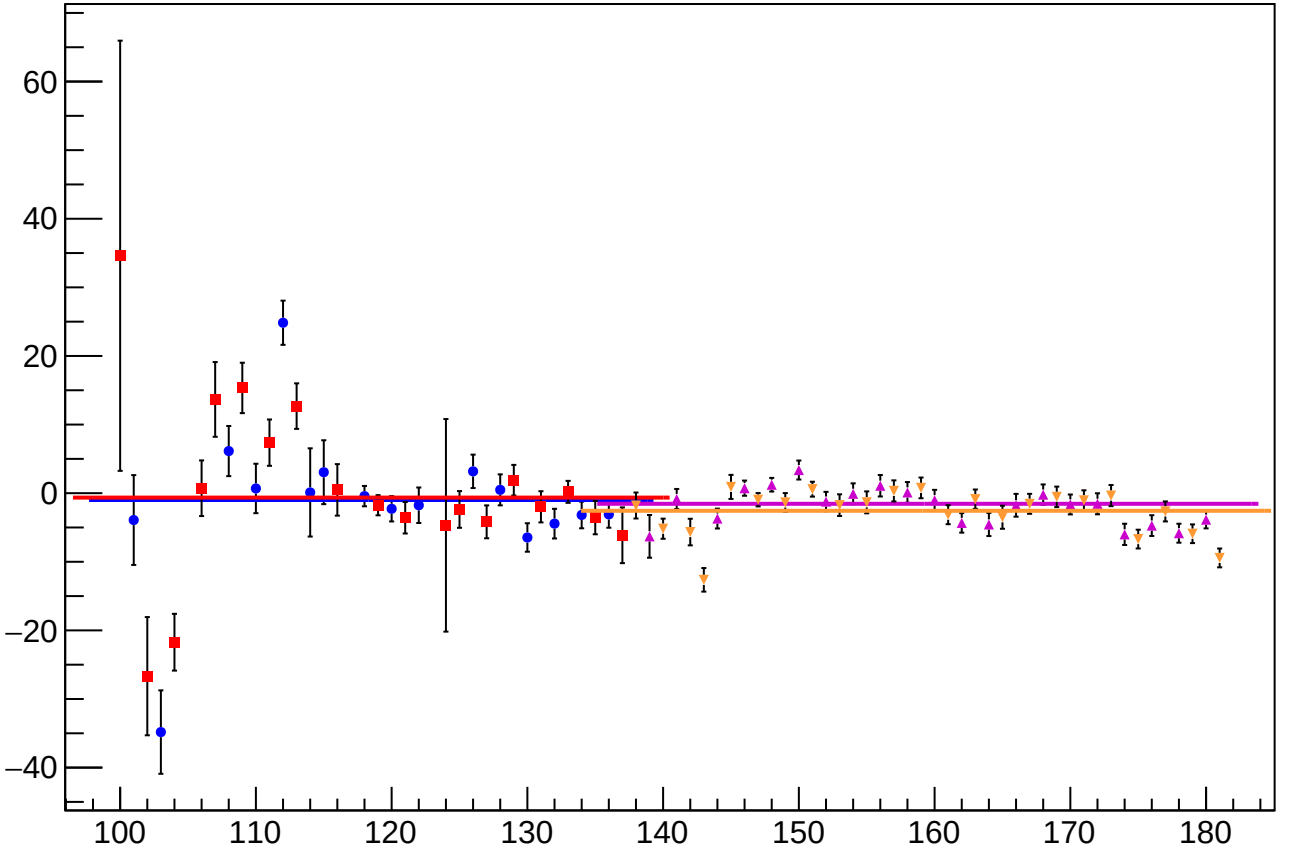
Left In: 19.117+/-0.415 χ^2/NDF:355.8/20

+ sign 18.972+/-0.335 χ^2/NDF: 1885.9/38

All: 17.570+/-0.240 χ^2/NDF: 4284.1/78

- sign 16.094+/-0.344 χ^2/NDF: 2362.2/39

reg_asym_at1_dd_diff_bpm4aY_slope vs Slug



Right In: -0.993+/-0.619 χ^2/NDF: 116.3/15

Left Out: -2.568+/-0.301 χ^2/NDF:113.0/22

Right Out: -0.644+/-0.636 χ^2/NDF: 94.2/18

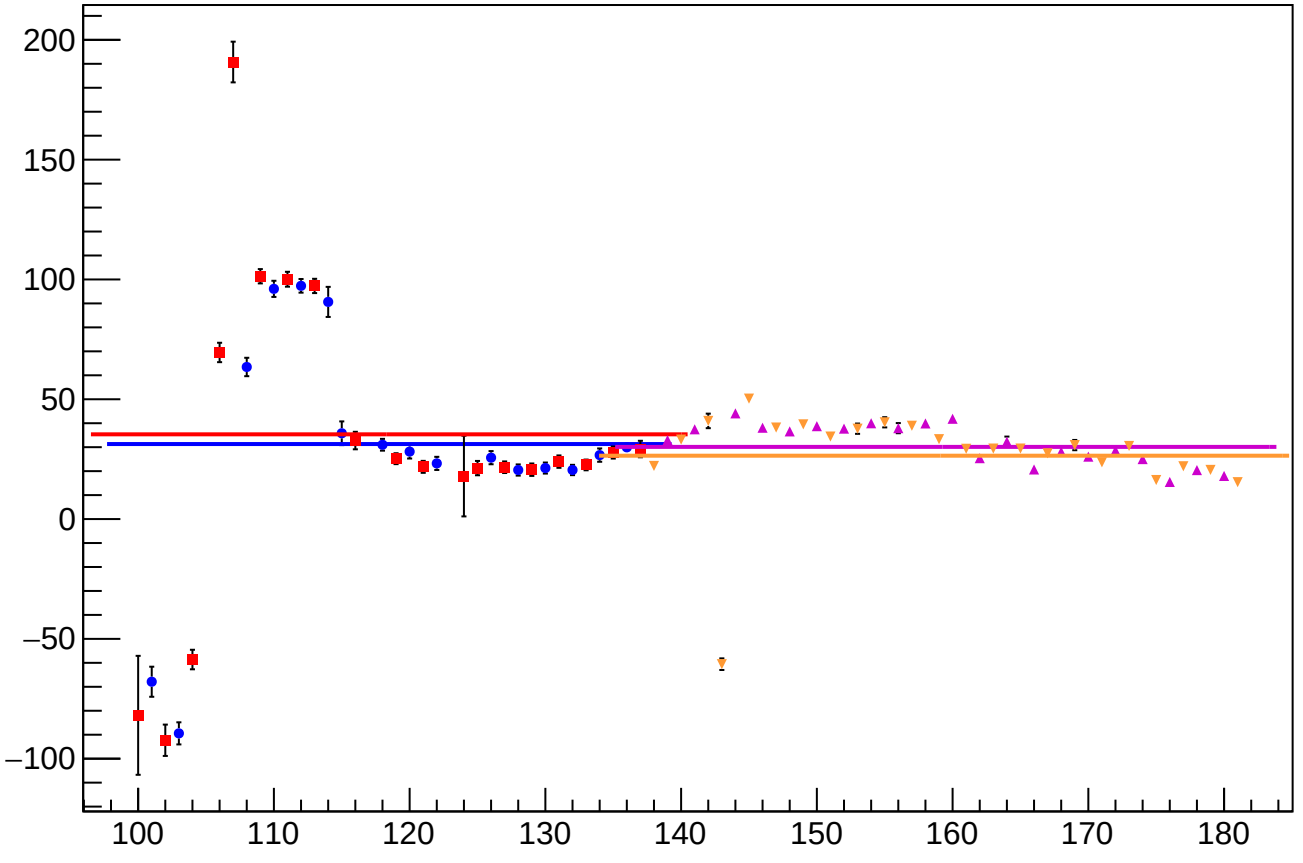
Left In: -1.549+/-0.314 χ^2/NDF:68.0/20

+ sign -2.267+/-0.271 χ^2/NDF: 234.6/38

All: -1.837+/-0.195 χ^2/NDF: 403.8/78

- sign -1.372+/-0.281 χ^2/NDF: 163.9/39

reg_asym_at1_dd_diff_bpm4eX_slope vs Slug



Right In: 31.310+/-0.700 χ^2/NDF: 2085.9/15

Left Out: 26.445+/-0.396 χ^2/NDF:1836.2/22

Right Out: 35.366+/-0.717 χ^2/NDF: 2897.7/18

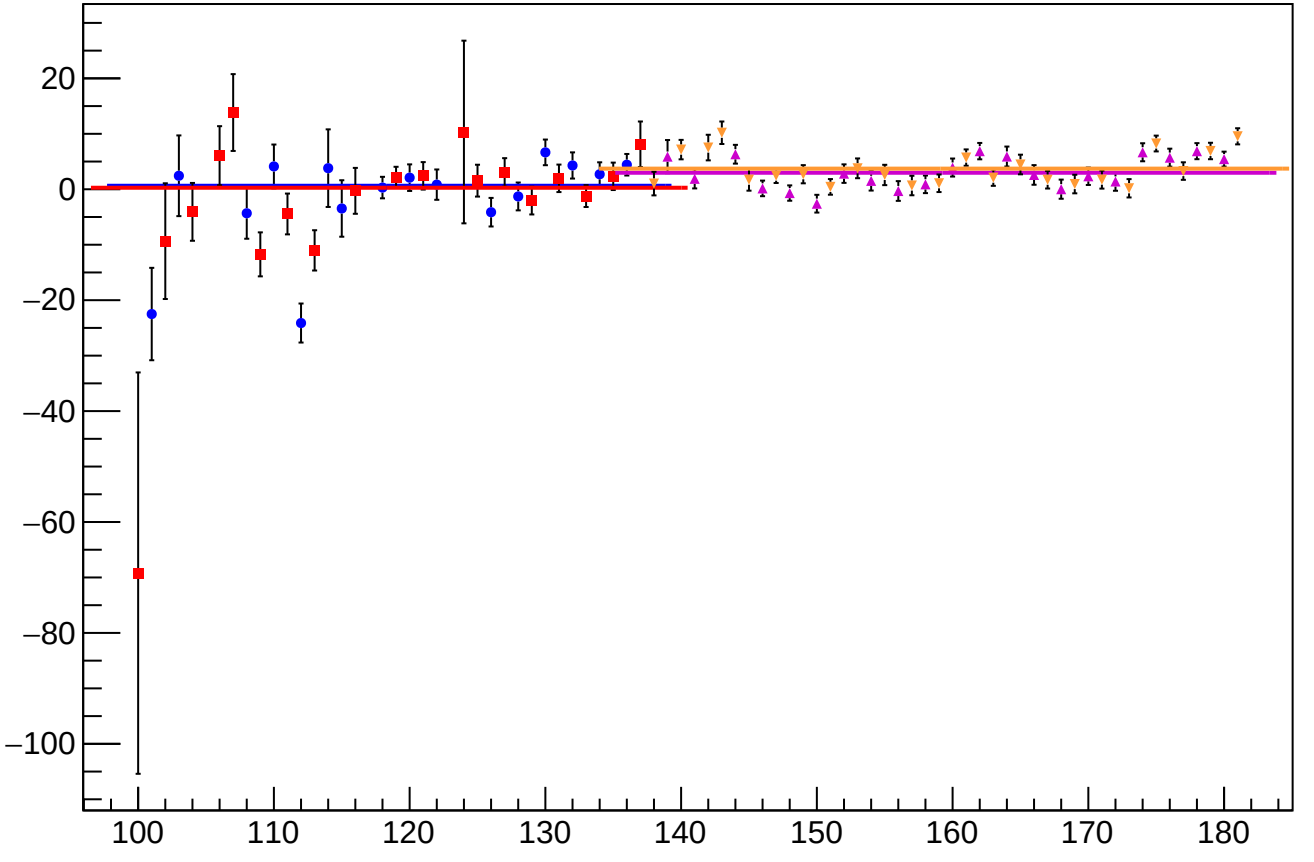
Left In: 30.123+/-0.409 χ^2/NDF:465.0/20

\+ sign 27.622+/-0.344 χ^2/NDF: 3958.7/38

All: 29.457+/-0.247 χ^2/NDF: 7420.2/78

\- sign 31.408+/-0.355 χ^2/NDF: 3403.0/39

reg_asym_at1_dd_diff_bpm4eY_slope vs Slug



Right In: 0.632+/-0.705 χ^2/NDF: 78.4/15

Left Out: 3.724+/-0.342 χ^2/NDF:76.7/22

Right Out: 0.274+/-0.726 χ^2/NDF: 40.5/18

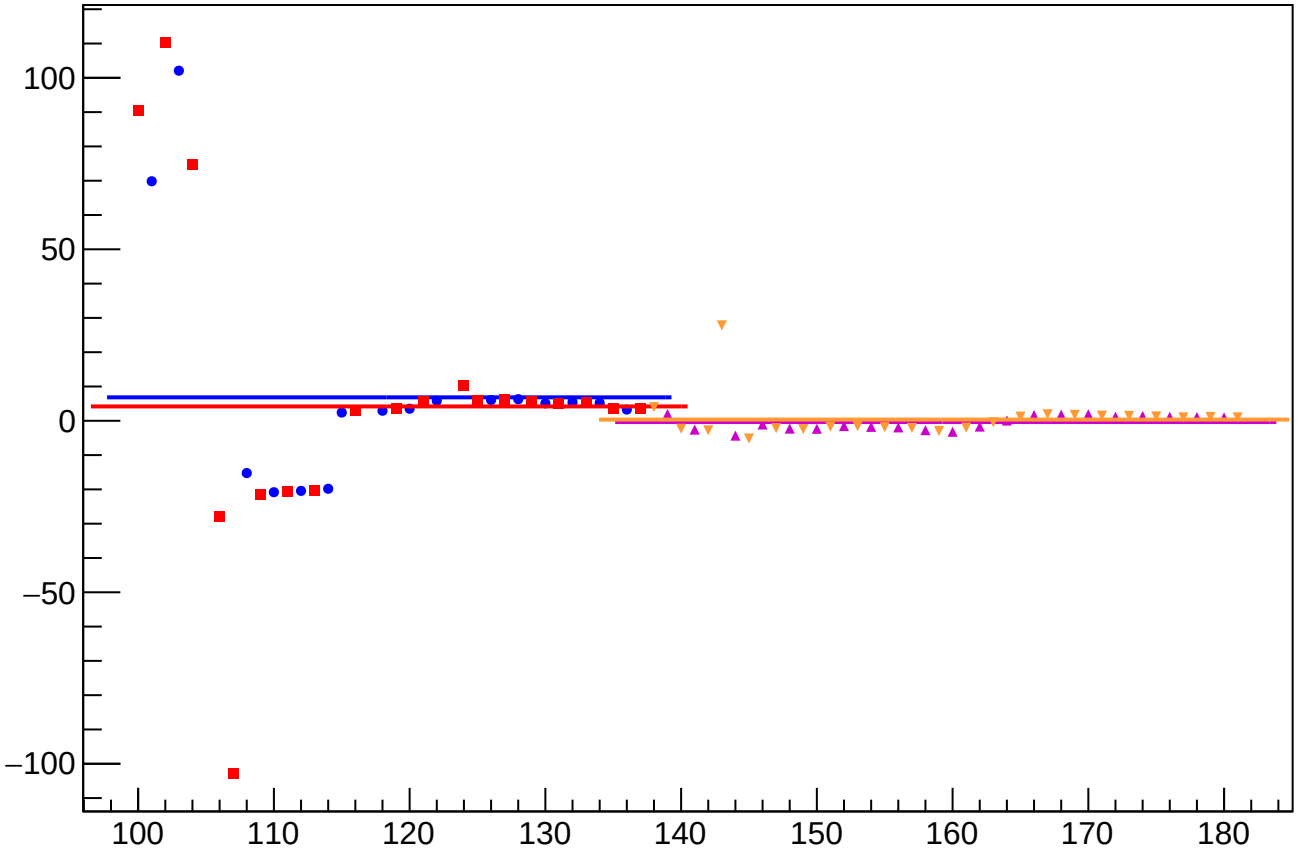
Left In: 2.978+/-0.354 χ^2/NDF:66.9/20

+ sign 3.135+/-0.307 χ^2/NDF: 170.7/38

All: 2.808+/-0.221 χ^2/NDF: 291.6/78

- sign 2.458+/-0.318 χ^2/NDF: 118.5/39

reg_asym_at1_dd_diff_bpm12X_slope vs Slug



Right In: 6.838+/-0.043 χ^2/NDF: 320954.7/15

Left Out: 0.354+/-0.015 χ^2/NDF:94223.2/22

Right Out: 4.190+/-0.046 χ^2/NDF: 434546.8/18

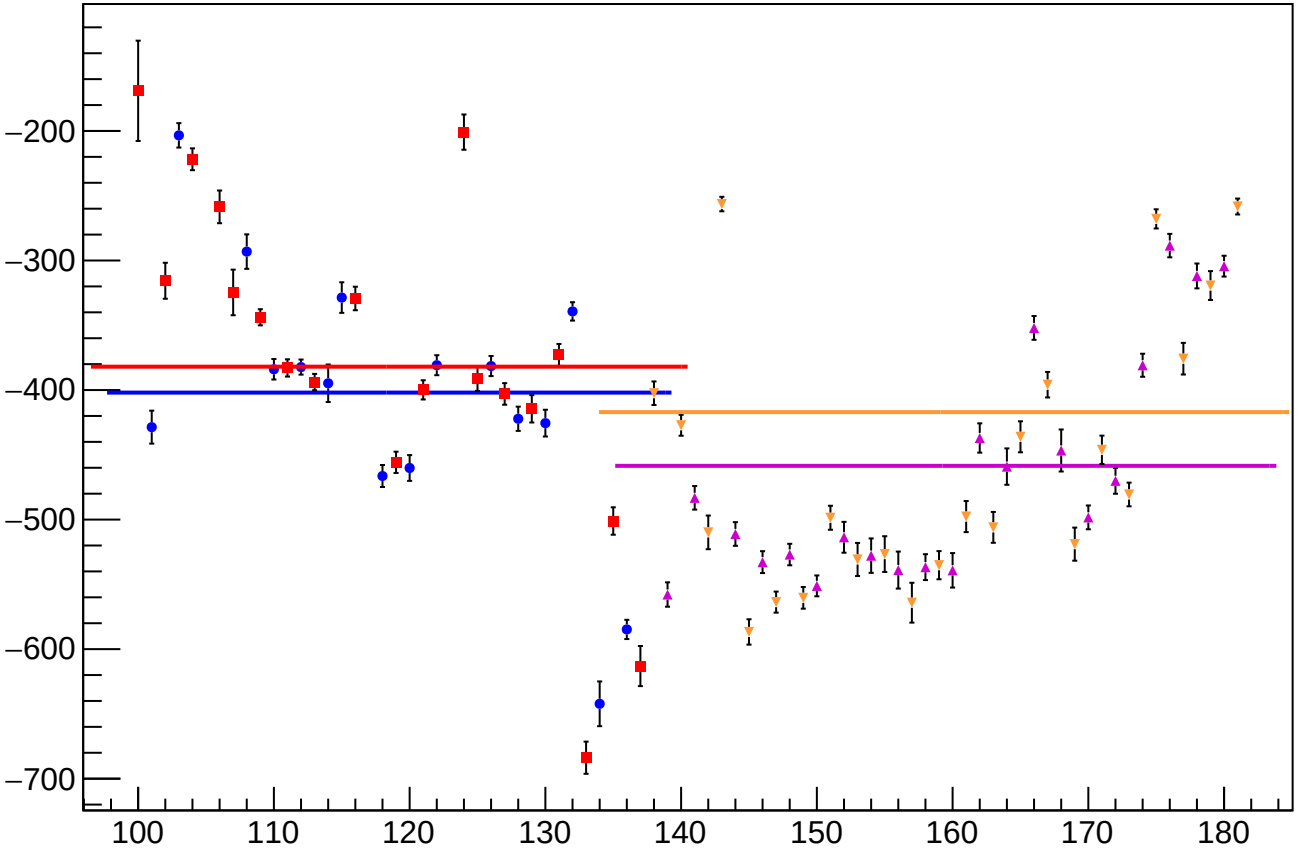
Left In: -0.359+/-0.016 χ^2/NDF:14962.0/20

+ sign 1.093+/-0.014 χ^2/NDF: 435468.6/38

All: 0.611+/-0.010 χ^2/NDF: 895915.8/78

- sign 0.106+/-0.015 χ^2/NDF: 458176.2/39

reg_asym_at2_avg_diff_bpm1X_slope vs Slug



Right In: -401.961+/-2.236 χ^2/NDF: 1563.3/15

Left Out: -417.011+/-1.968 χ^2/NDF:3619.8/22

Right Out: -381.949+/-2.124 χ^2/NDF: 1817.4/18

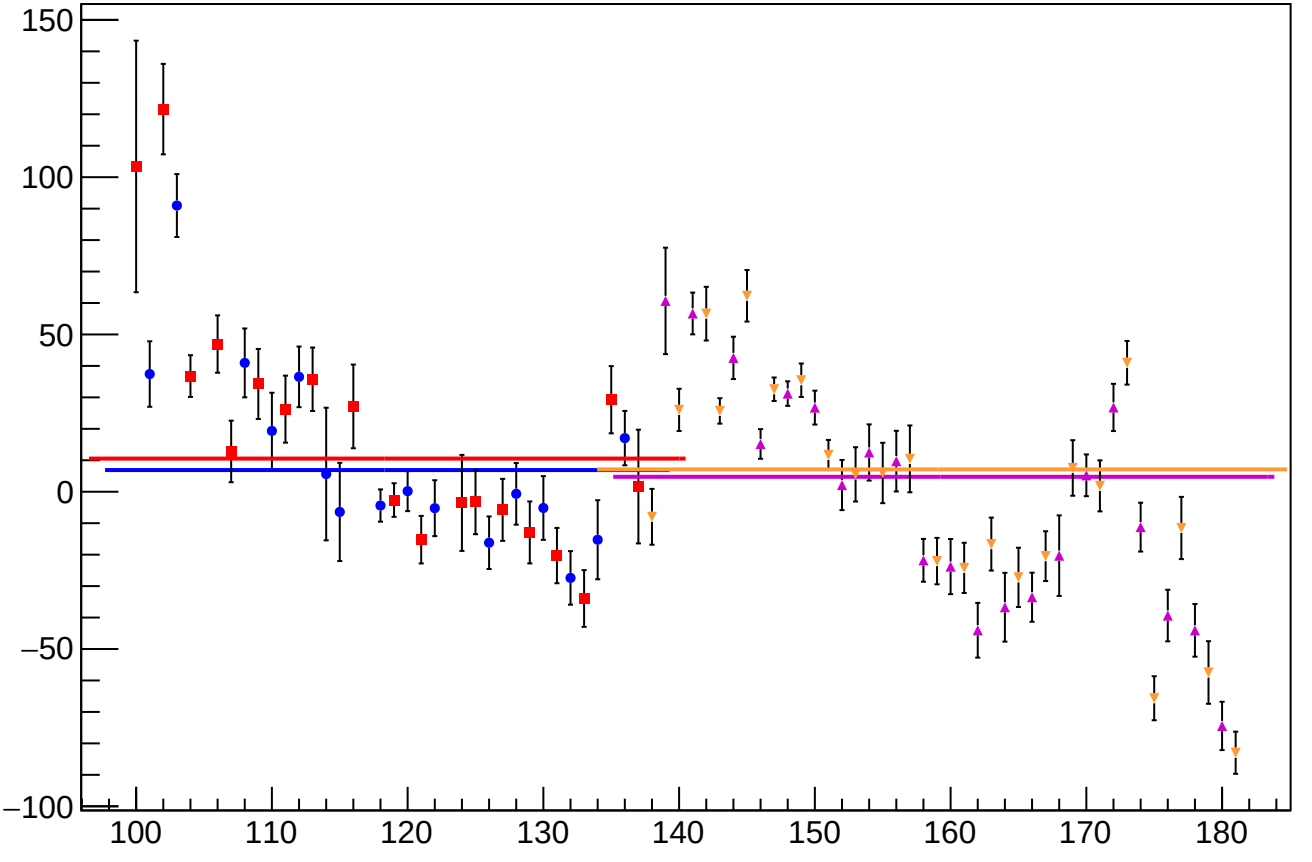
Left In: -458.494+/-2.160 χ^2/NDF:1798.5/20

+ sign -410.441+/-1.477 χ^2/NDF: 5208.6/38

All: -414.896+/-1.058 χ^2/NDF: 9481.4/78

- sign -419.579+/-1.515 χ^2/NDF: 4254.2/39

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug



Right In: 6.889+/-2.264 χ^2/NDF: 138.4/15

Left Out: 7.094+/-1.420 χ^2/NDF:610.2/22

Right Out: 10.544+/-2.197 χ^2/NDF: 180.0/18

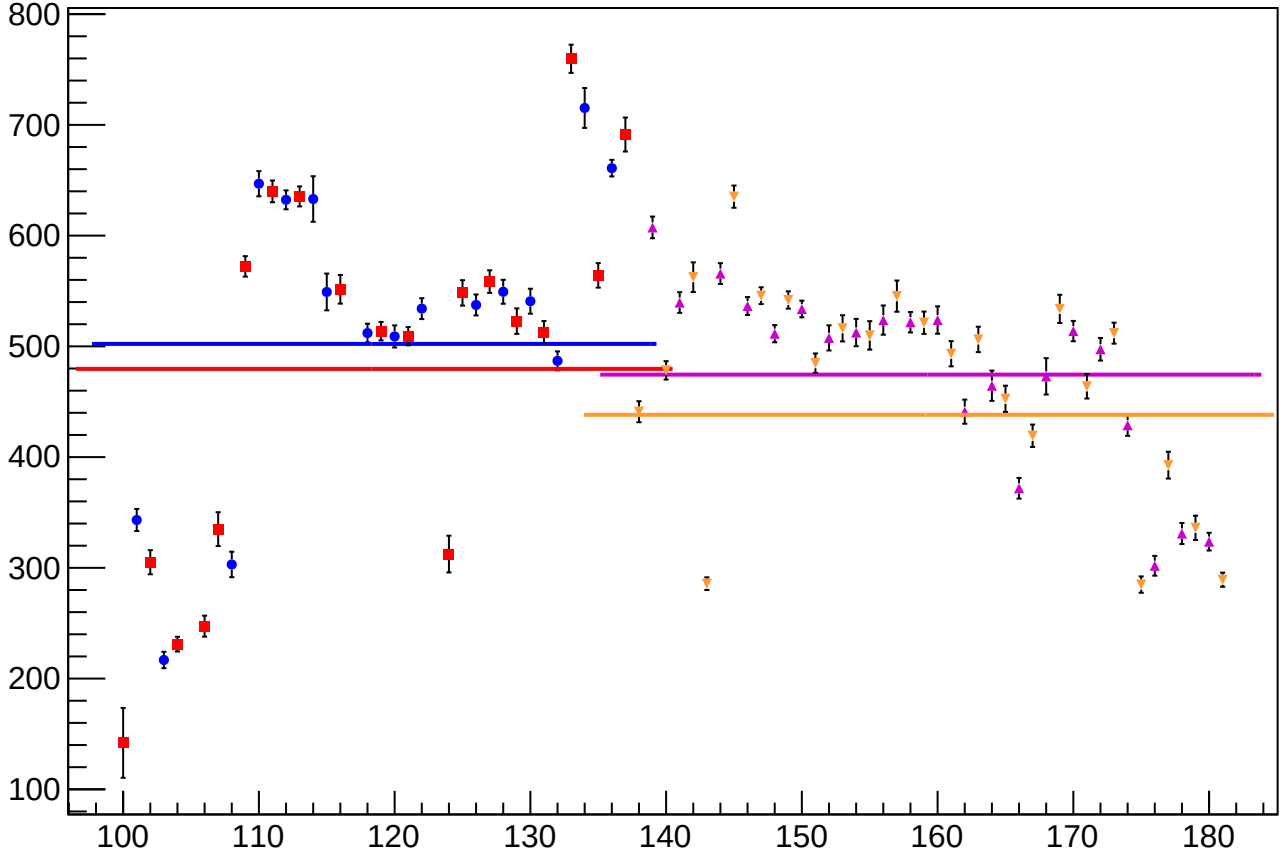
Left In: 4.750+/-1.554 χ^2/NDF:453.8/20

+ sign 7.037+/-1.203 χ^2/NDF: 748.6/38

All: 6.869+/-0.873 χ^2/NDF: 1387.2/78

- sign 6.682+/-1.269 χ^2/NDF: 638.5/39

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug



Right In: 502.213+/-2.493 χ^2/NDF: 3135.2/15

Left Out: 438.191+/-1.954 χ^2/NDF:3070.8/22

Right Out: 479.679+/-2.399 χ^2/NDF: 4138.5/18

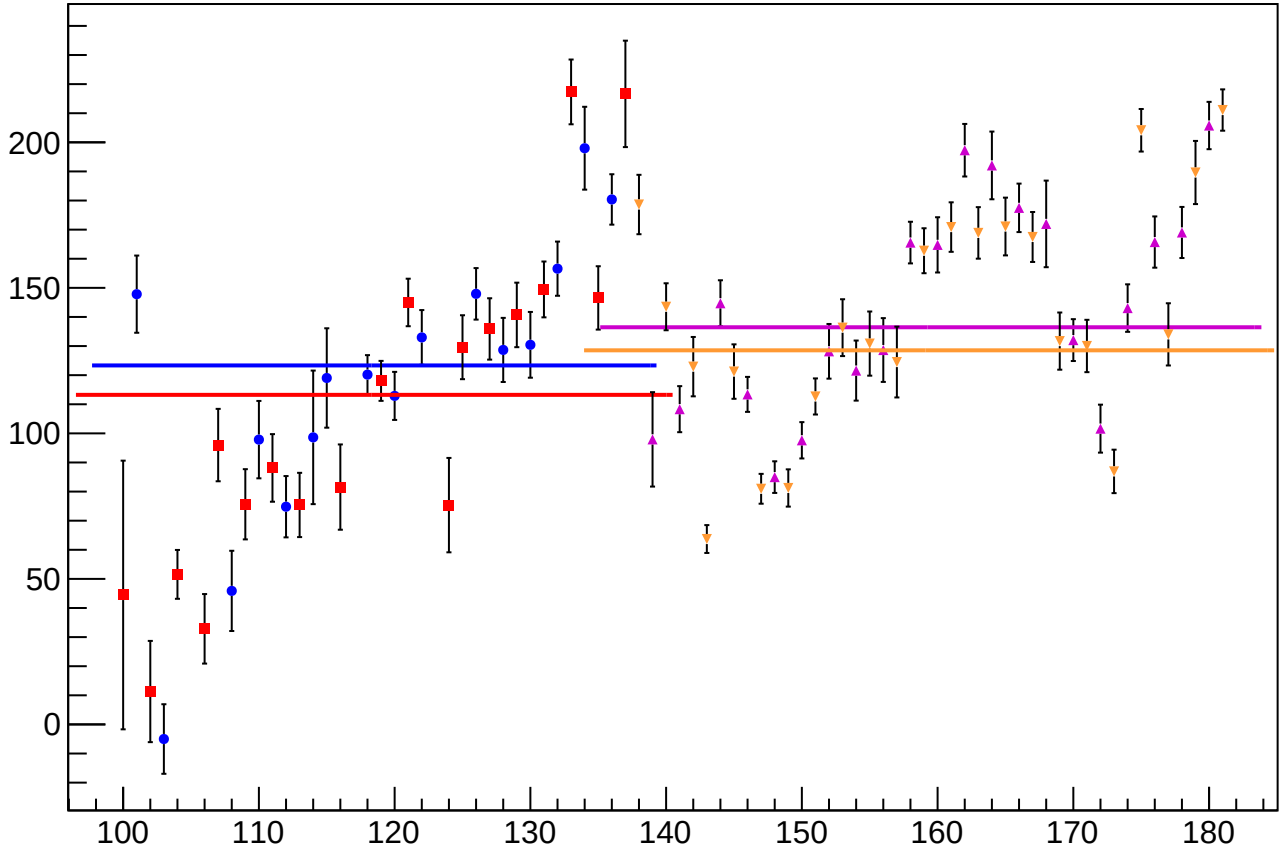
Left In: 474.467+/-2.124 χ^2/NDF:1679.1/20

+ sign 462.550+/-1.538 χ^2/NDF: 6614.6/38

All: 469.414+/-1.105 χ^2/NDF: 12476.1/78

- sign 476.757+/-1.590 χ^2/NDF: 5820.3/39

reg_asym_at2_avg_diff_bpm4eY_slope vs Slug



Right In: 123.344+/-2.627 χ^2/NDF: 271.4/15

Left Out: 128.534+/-1.651 χ^2/NDF:769.3/22

Right Out: 113.235+/-2.545 χ^2/NDF: 345.8/18

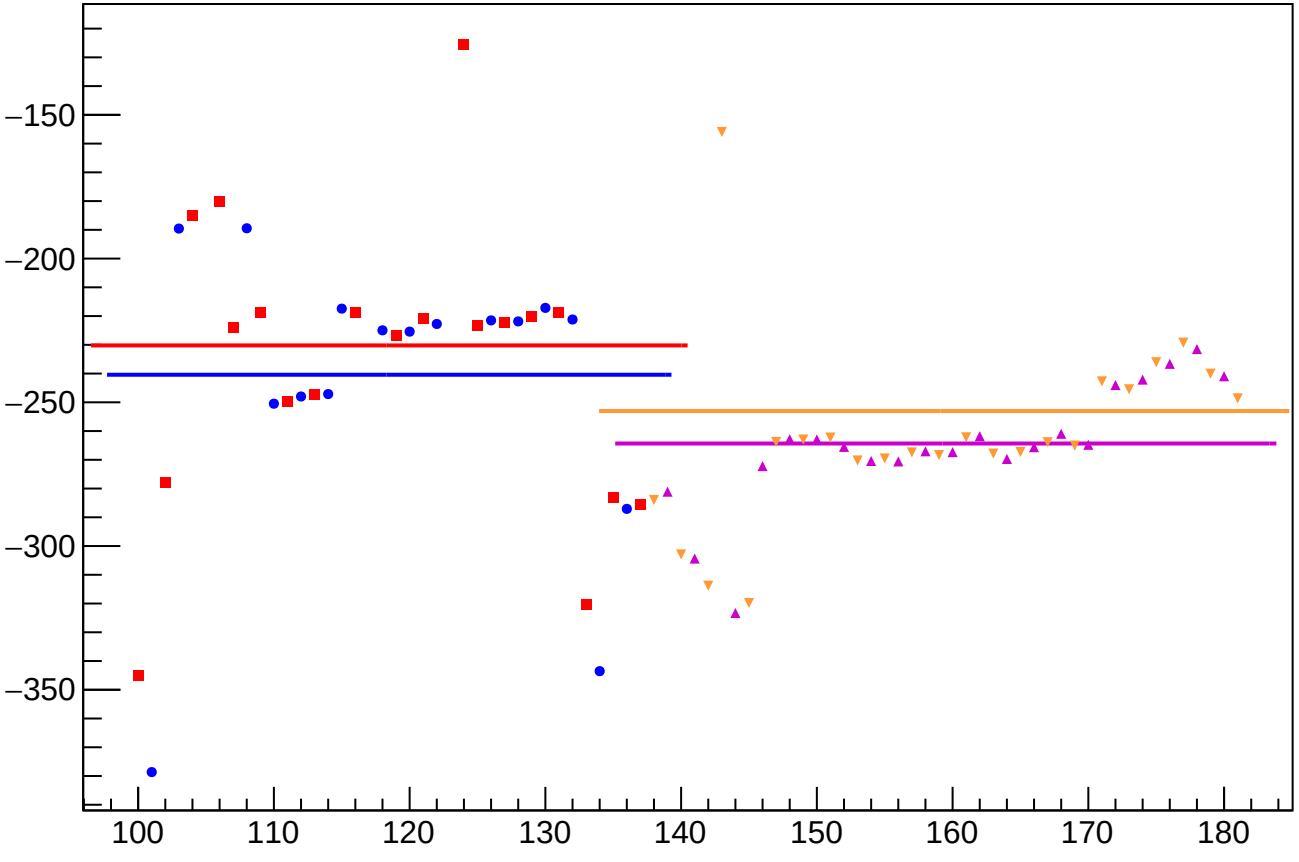
Left In: 136.459+/-1.792 χ^2/NDF:406.0/20

+ sign 127.065+/-1.398 χ^2/NDF: 1043.4/38

All: 127.873+/-1.011 χ^2/NDF: 1851.6/78

- sign 128.760+/-1.465 χ^2/NDF: 807.4/39

reg_asym_at2_avg_diff_bpm12X_slope vs Slug



Right In: -240.411+/-0.151 χ^2/NDF: 134152.1/15

Left Out: -253.023+/-0.078 χ^2/NDF:250370.1/22

Right Out: -230.207+/-0.146 χ^2/NDF: 83431.4/18

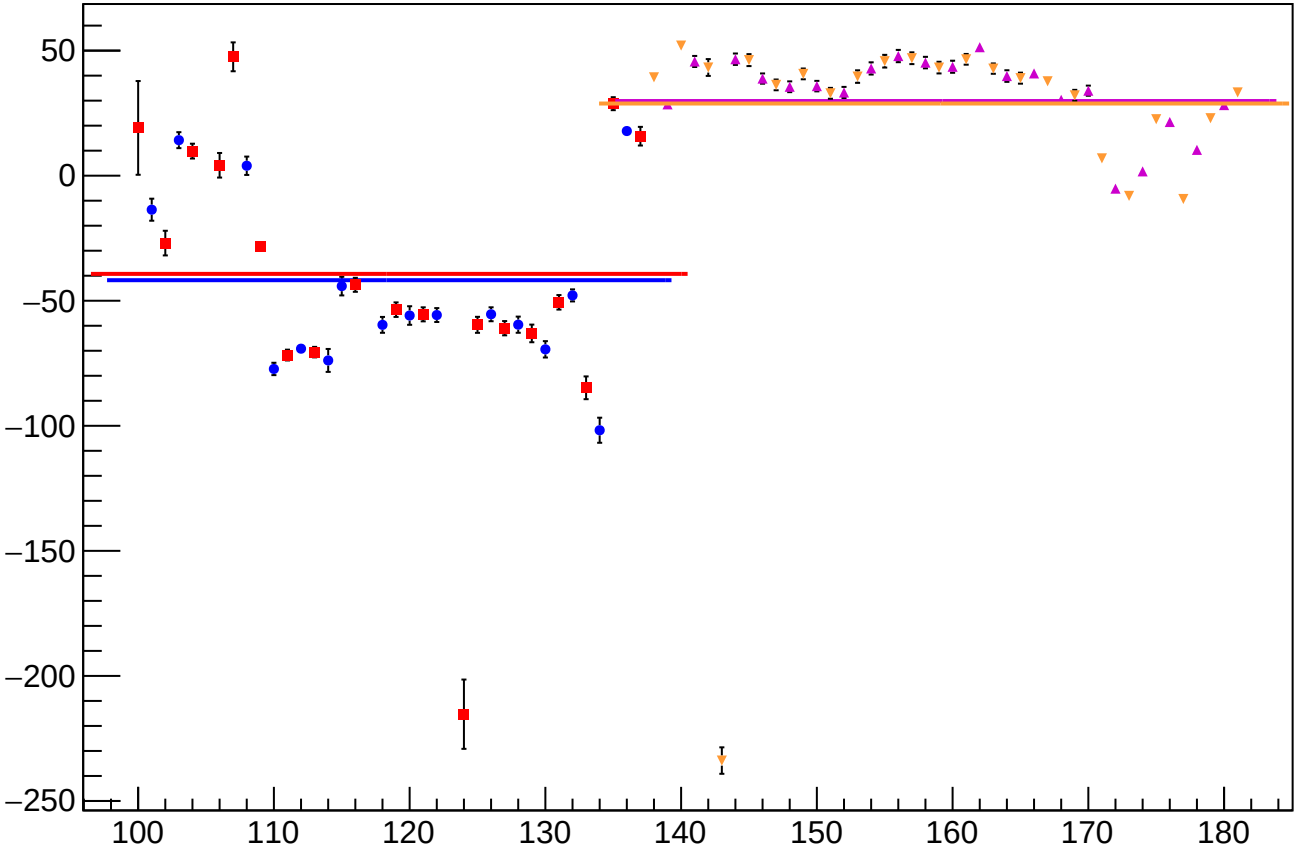
Left In: -264.333+/-0.082 χ^2/NDF:57044.0/20

+ sign -250.361+/-0.069 χ^2/NDF: 390054.3/38

All: -253.165+/-0.050 χ^2/NDF: 575219.0/78

- sign -256.171+/-0.072 χ^2/NDF: 181762.2/39

reg_asym_at2_dd_diff_bpm1X_slope vs Slug



Right In: -41.788+/-0.723 χ^2/NDF: 2405.5/15

Left Out: 28.848+/-0.411 χ^2/NDF:4102.3/22

Right Out: -39.263+/-0.680 χ^2/NDF: 2478.3/18

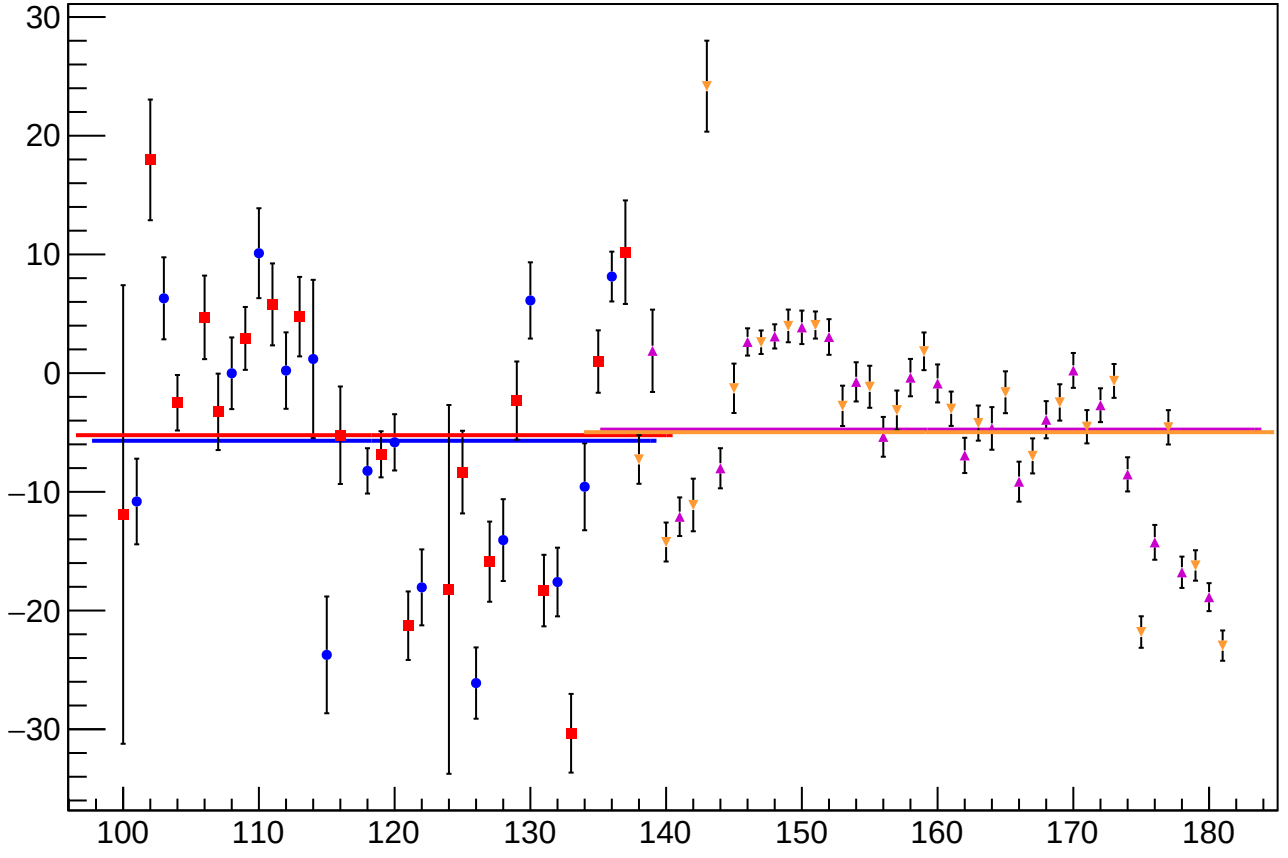
Left In: 29.842+/-0.422 χ^2/NDF:1323.6/20

+ sign 11.590+/-0.357 χ^2/NDF: 13718.2/38

All: 11.093+/-0.253 χ^2/NDF: 24982.7/78

- sign 10.592+/-0.359 χ^2/NDF: 11260.6/39

reg_asym_at2_dd_diff_bpm4aY_slope vs Slug



Right In: -5.697+/-0.753 χ^2/NDF: 196.7/15

Left Out: -4.973+/-0.312 χ^2/NDF:746.5/22

Right Out: -5.227+/-0.740 χ^2/NDF: 197.3/18

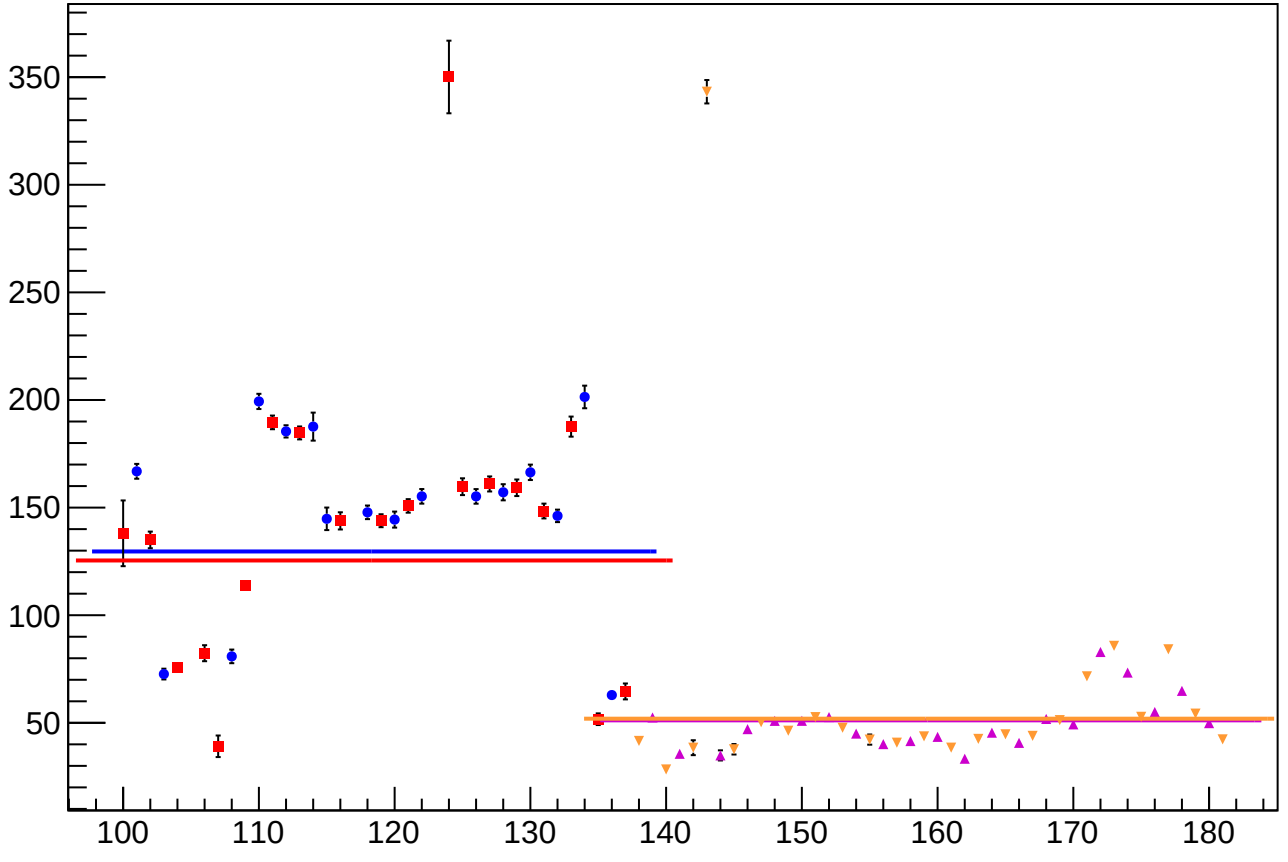
Left In: -4.759+/-0.321 χ^2/NDF:510.5/20

+ sign -5.079+/-0.288 χ^2/NDF: 944.0/38

All: -4.959+/-0.206 χ^2/NDF: 1652.5/78

- sign -4.833+/-0.294 χ^2/NDF: 708.2/39

reg_asym_at2_dd_diff_bpm4eX_slope vs Slug



Right In: 129.621+/-0.801 χ^2/NDF: 3624.4/15

Left Out: 51.923+/-0.407 χ^2/NDF:4051.0/22

Right Out: 125.435+/-0.790 χ^2/NDF: 3503.2/18

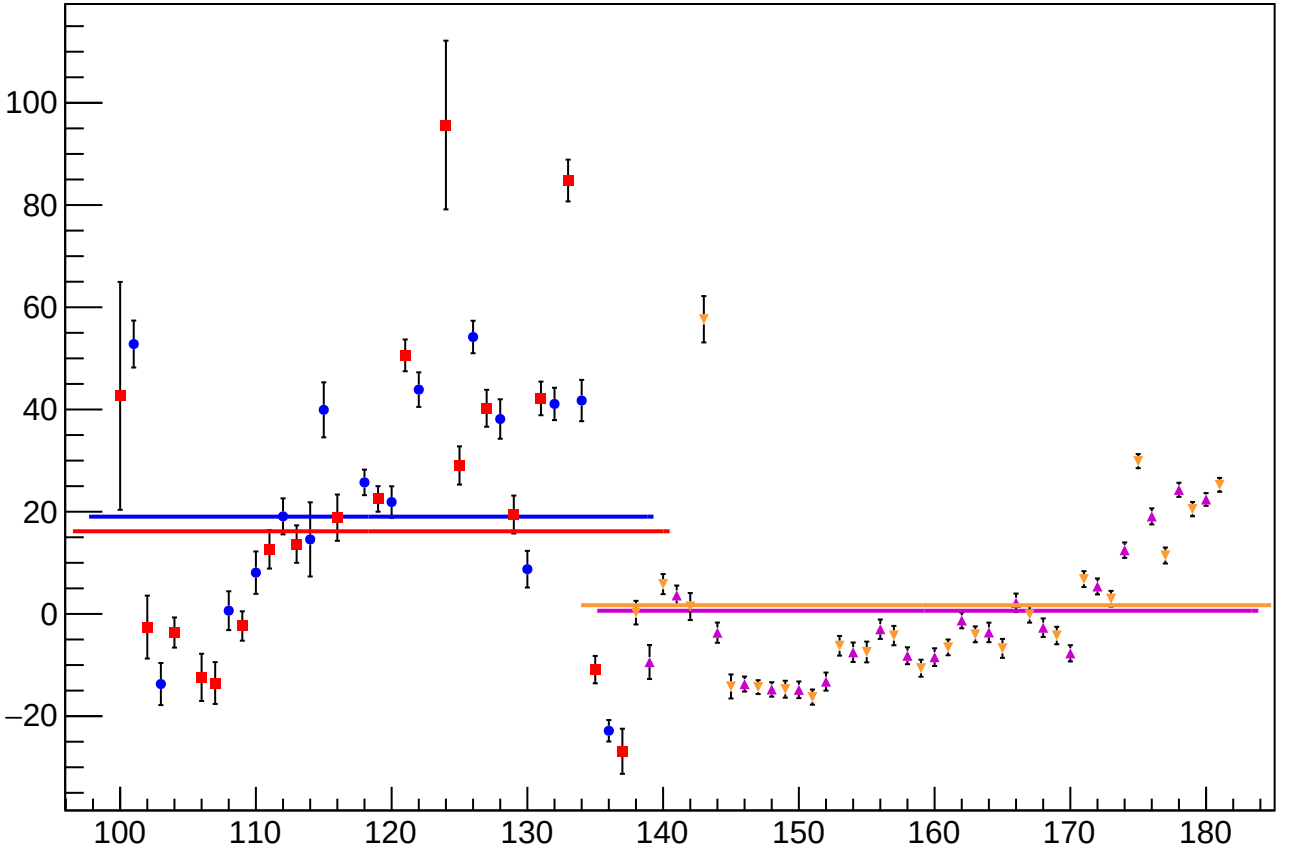
Left In: 51.154+/-0.417 χ^2/NDF:815.7/20

+ sign 67.873+/-0.363 χ^2/NDF: 15160.1/38

All: 67.601+/-0.258 χ^2/NDF: 26400.5/78

- sign 67.320+/-0.368 χ^2/NDF: 11239.3/39

reg_asym_at2_dd_diff_bpm4eY_slope vs Slug



Right In: 19.035+/-0.860 χ^2/NDF: 858.1/15

Left Out: 1.714+/-0.353 χ^2/NDF:1714.4/22

Right Out: 16.173+/-0.846 χ^2/NDF: 941.3/18

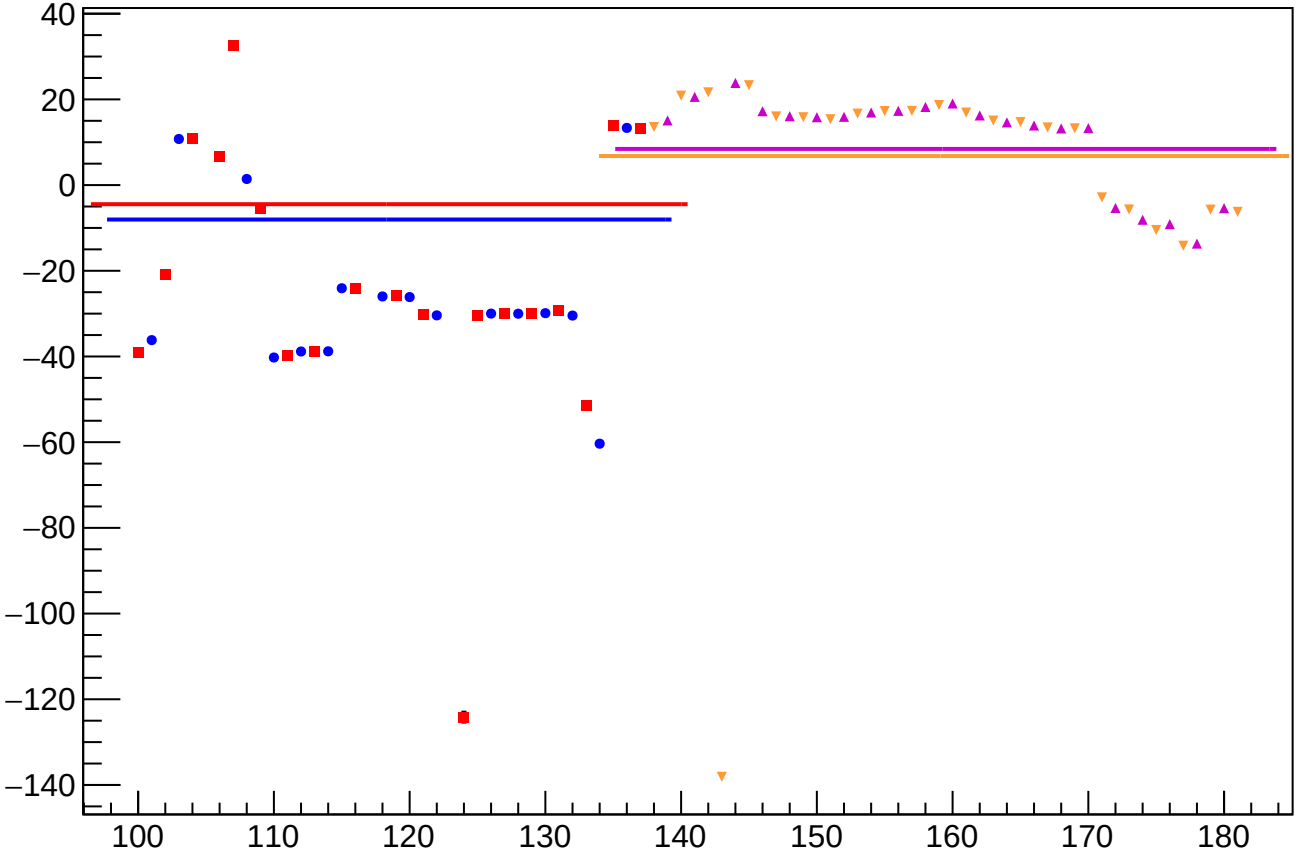
Left In: 0.621+/-0.362 χ^2/NDF:1304.3/20

\+ sign 4.214+/-0.327 χ^2/NDF: 2919.7/38

All: 3.629+/-0.233 χ^2/NDF: 5457.6/78

\- sign 3.023+/-0.332 χ^2/NDF: 2531.4/39

reg_asym_at2_dd_diff_bpm12X_slope vs Slug



Right In: -8.038+/-0.046 χ^2/NDF: 267883.6/15

Left Out: 6.777+/-0.016 χ^2/NDF:974430.1/22

Right Out: -4.461+/-0.047 χ^2/NDF: 228422.2/18

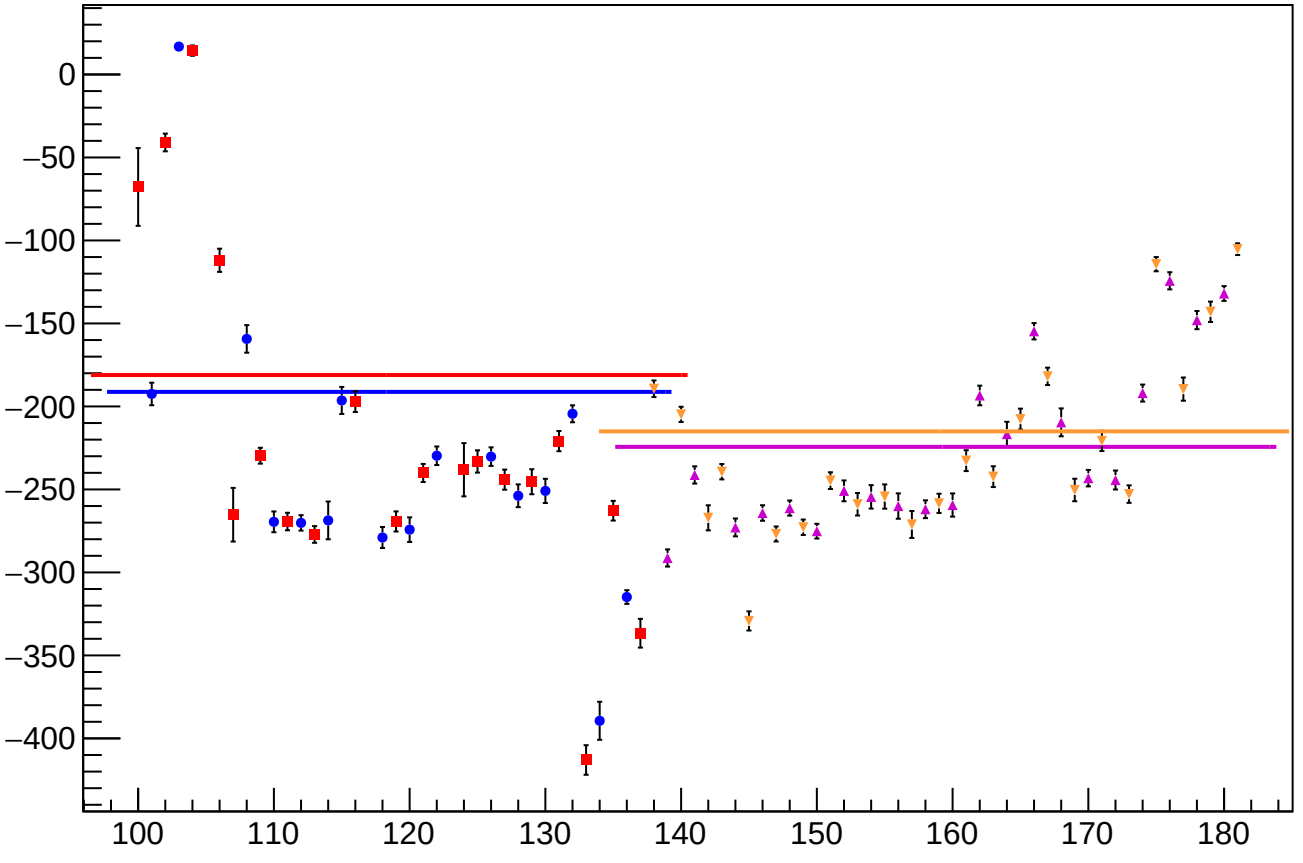
Left In: 8.443+/-0.016 χ^2/NDF:537888.8/20

+ sign 5.188+/-0.015 χ^2/NDF: 1335609.9/38

All: 6.132+/-0.011 χ^2/NDF: 2177965.8/78

- sign 7.092+/-0.015 χ^2/NDF: 834380.1/39

reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug



Right In: -191.225+/-1.419 χ^2/NDF: 7224.7/15

Left Out: -215.025+/-1.132 χ^2/NDF:2866.8/22

Right Out: -181.080+/-1.383 χ^2/NDF: 7374.0/18

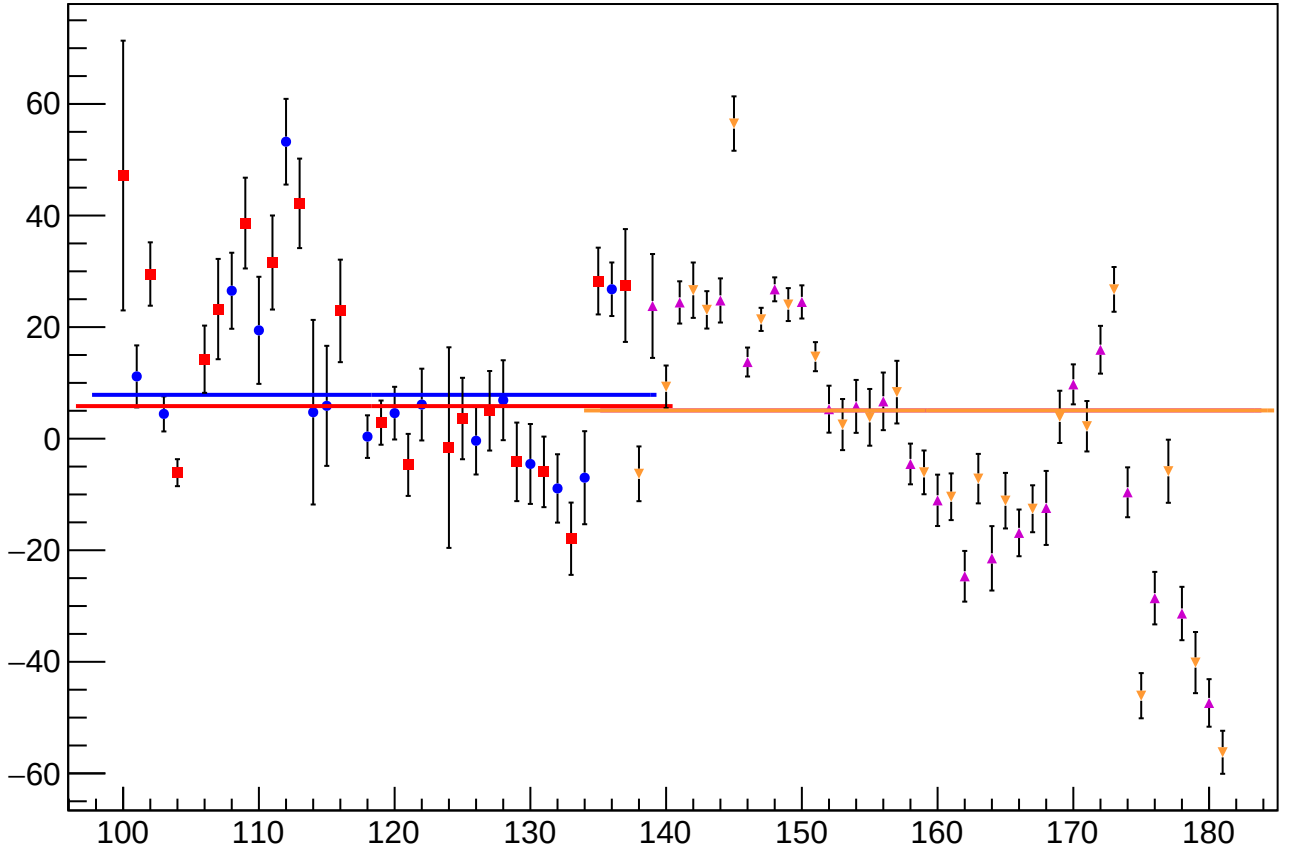
Left In: -224.357+/-1.191 χ^2/NDF:1956.3/20

+ sign -205.767+/-0.885 χ^2/NDF: 10263.5/38

All: -205.839+/-0.632 χ^2/NDF: 20156.1/78

- sign -205.914+/-0.903 χ^2/NDF: 9892.6/39

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug



Right In: 7.859+/-1.438 χ^2/NDF: 80.9/15

Left Out: 5.060+/-0.813 χ^2/NDF:854.2/22

Right Out: 5.839+/-1.355 χ^2/NDF: 141.9/18

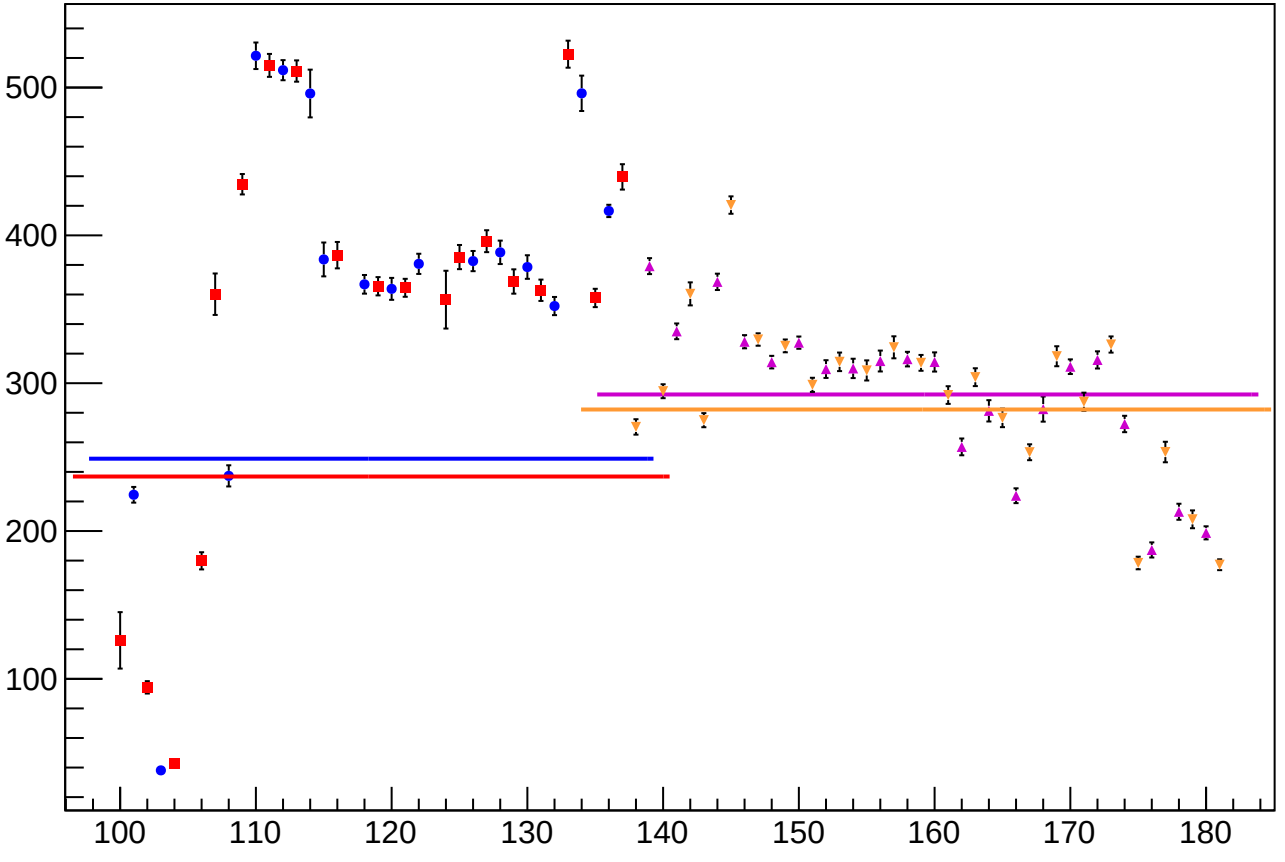
Left In: 5.063+/-0.855 χ^2/NDF:608.4/20

+ sign 5.738+/-0.708 χ^2/NDF: 937.9/38

All: 5.515+/-0.506 χ^2/NDF: 1688.6/78

- sign 5.283+/-0.723 χ^2/NDF: 750.5/39

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug



Right In: 248.932+/-1.422 χ^2/NDF: 15302.2/15

Left Out: 282.209+/-1.119 χ^2/NDF:2732.0/22

Right Out: 236.871+/-1.407 χ^2/NDF: 15657.3/18

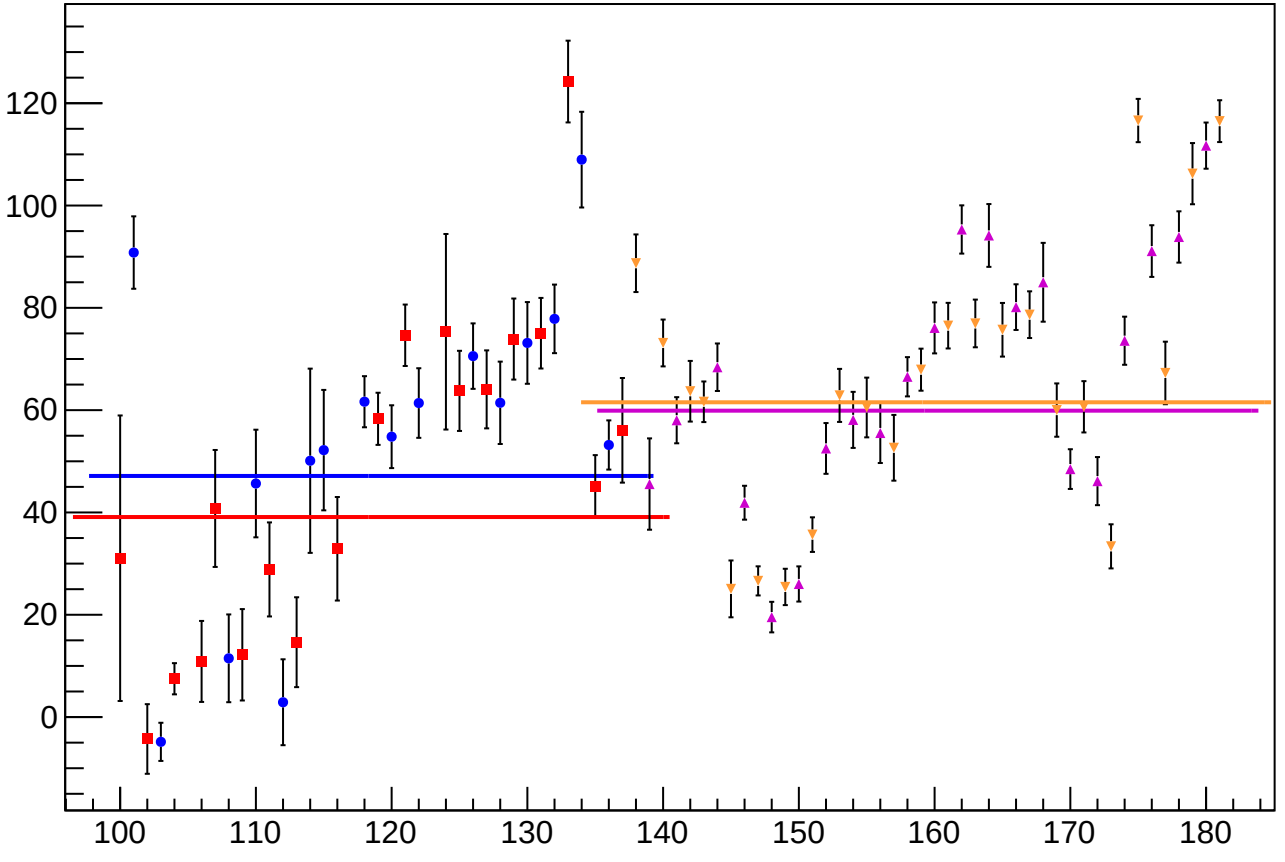
Left In: 292.376+/-1.169 χ^2/NDF:2090.8/20

+ sign 269.484+/-0.879 χ^2/NDF: 18372.6/38

All: 269.586+/-0.629 χ^2/NDF: 37041.4/78

- sign 269.693+/-0.899 χ^2/NDF: 18668.8/39

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug



Right In: 47.137+/-1.668 χ^2/NDF: 385.3/15

Left Out: 61.539+/-0.943 χ^2/NDF:882.8/22

Right Out: 39.105+/-1.596 χ^2/NDF: 416.5/18

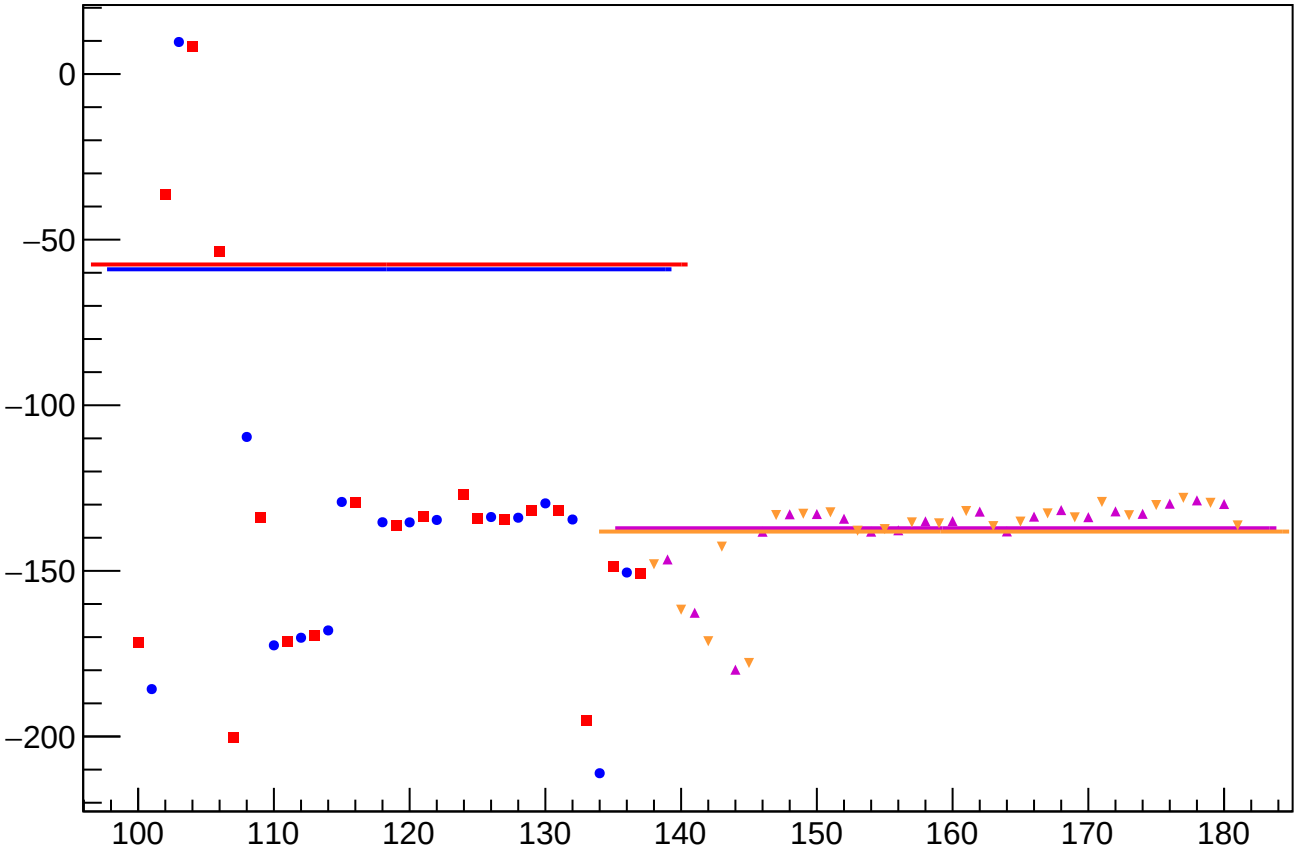
Left In: 59.897+/-0.985 χ^2/NDF:691.9/20

+ sign 58.051+/-0.821 χ^2/NDF: 1324.7/38

All: 56.147+/-0.586 χ^2/NDF: 2567.0/78

- sign 54.161+/-0.838 χ^2/NDF: 1231.3/39

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug



Right In: -58.956+/-0.073 χ^2/NDF: 1227079.0/15

Left Out: -138.132+/-0.044 χ^2/NDF:66939.8/22

Right Out: -57.497+/-0.074 χ^2/NDF: 871305.9/18

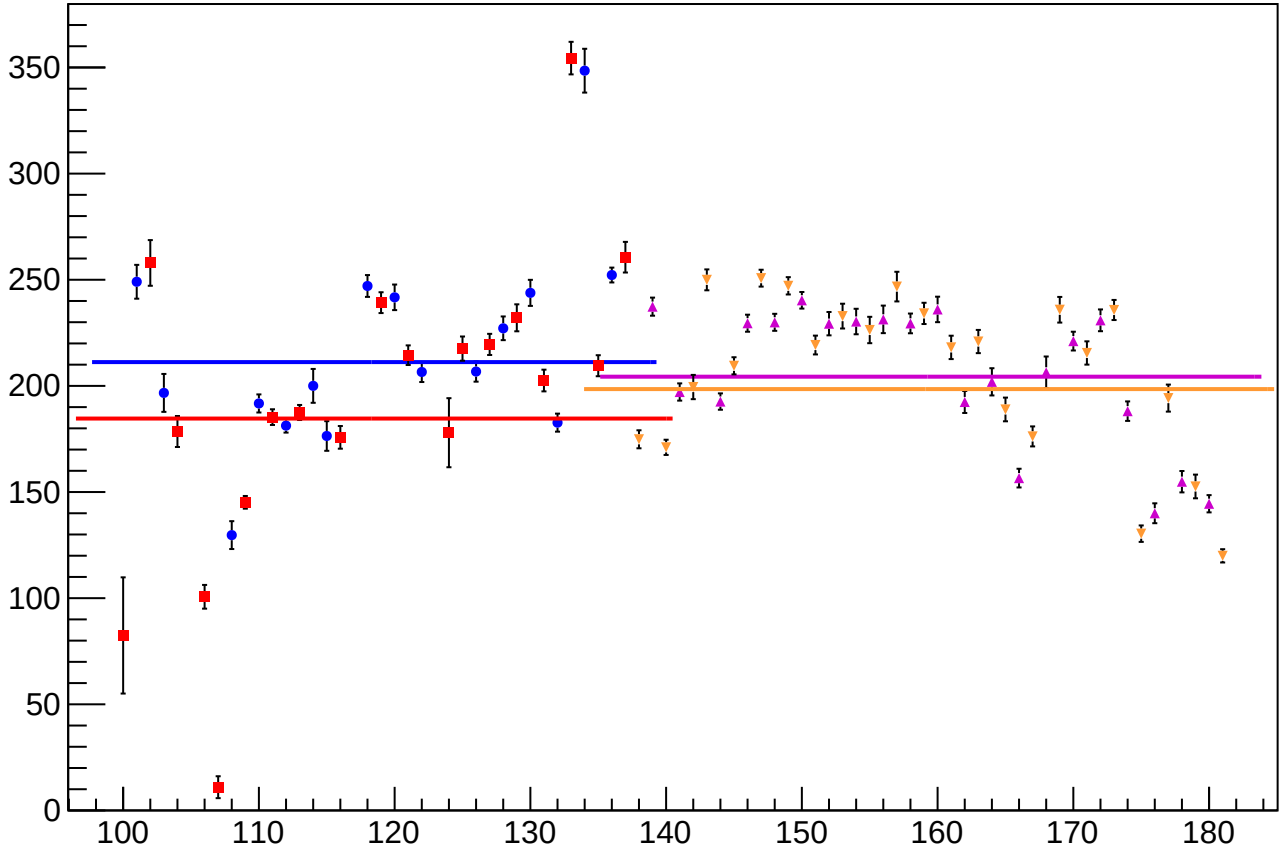
Left In: -137.134+/-0.045 χ^2/NDF:53842.6/20

+ sign -116.703+/-0.038 χ^2/NDF: 2161314.9/38

All: -116.212+/-0.027 χ^2/NDF: 3927327.8/78

- sign -115.702+/-0.039 χ^2/NDF: 1765668.6/39

reg_asym_atl1r2_dd_diff_bpm1X_slope vs Slug



Right In: 211.210+/-1.296 χ^2/NDF: 783.0/15

Left Out: 198.496+/-0.985 χ^2/NDF:1869.3/22

Right Out: 184.614+/-1.194 χ^2/NDF: 2540.4/18

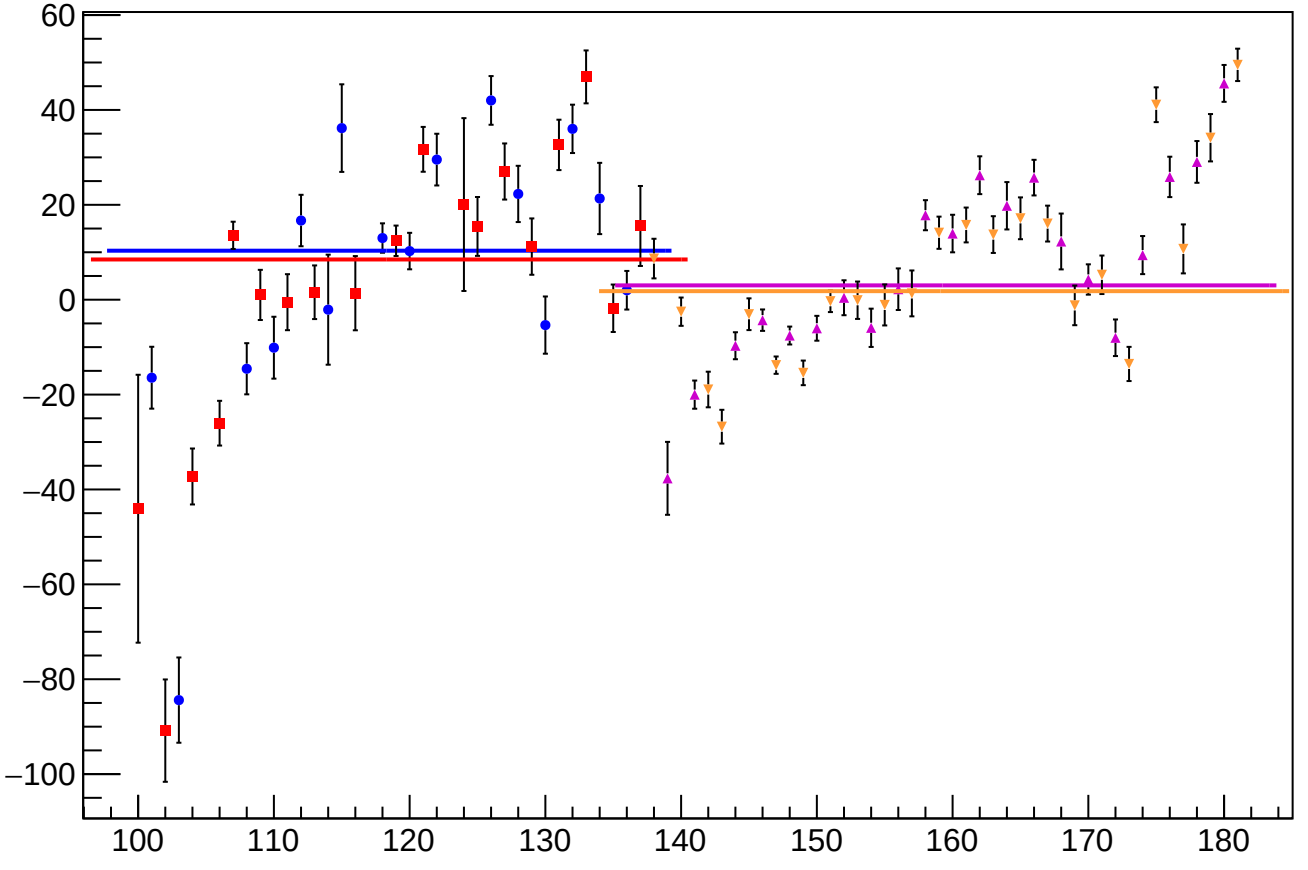
Left In: 204.337+/-1.029 χ^2/NDF:1029.9/20

+ sign 203.150+/-0.784 χ^2/NDF: 2713.3/38

All: 199.520+/-0.553 χ^2/NDF: 6482.9/78

- sign 195.933+/-0.779 χ^2/NDF: 3726.9/39

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug



Right In: 10.329+/-1.333 χ^2/NDF: 263.3/15

Left Out: 1.801+/-0.709 χ^2/NDF:658.6/22

Right Out: 8.480+/-1.225 χ^2/NDF: 322.3/18

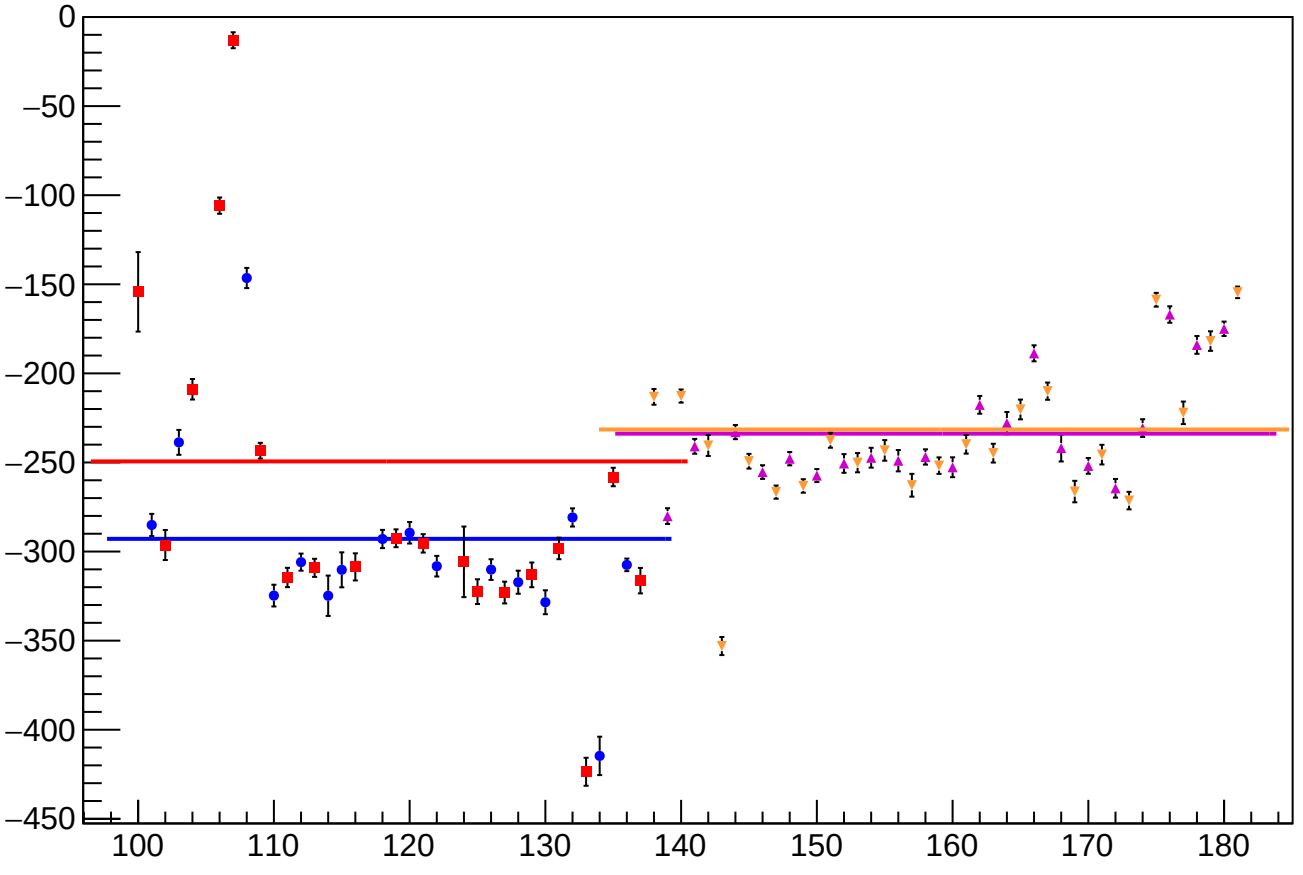
Left In: 3.019+/-0.739 χ^2/NDF:475.9/20

+ sign 3.681+/-0.626 χ^2/NDF: 953.8/38

All: 4.074+/-0.445 χ^2/NDF: 1767.4/78

- sign 4.477+/-0.633 χ^2/NDF: 812.8/39

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug



Right In: -292.872+/-1.467 χ^2/NDF: 983.5/15

Left Out: -231.496+/-0.974 χ^2/NDF:2001.5/22

Right Out: -249.407+/-1.369 χ^2/NDF: 5368.5/18

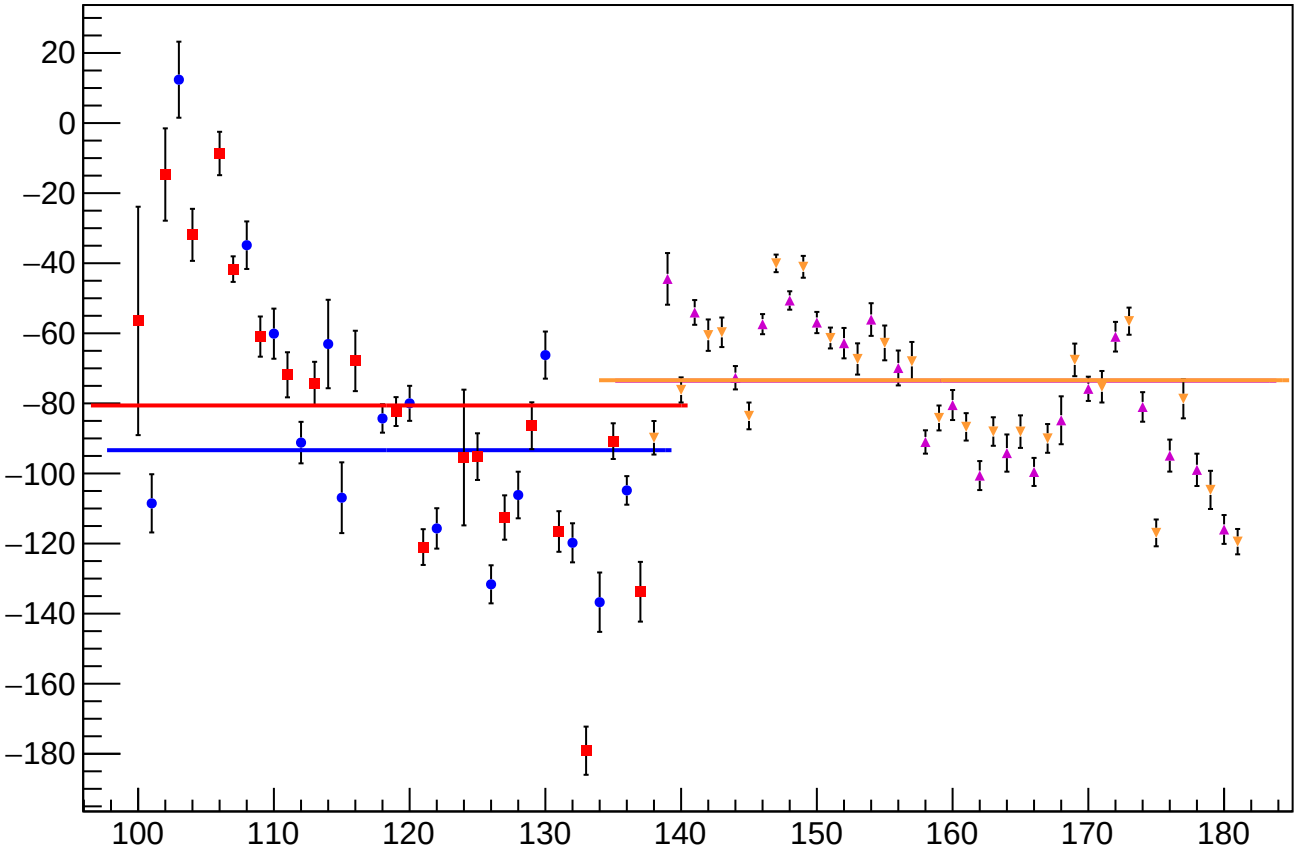
Left In: -233.834+/-1.011 χ^2/NDF:927.7/20

+ sign -250.266+/-0.812 χ^2/NDF: 4199.2/38

All: -244.809+/-0.574 χ^2/NDF: 10669.7/78

- sign -239.331+/-0.813 χ^2/NDF: 6379.9/39

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug



Right In: -93.357+/-1.534 χ^2/NDF: 355.3/15

Left Out: -73.392+/-0.823 χ^2/NDF:753.1/22

Right Out: -80.592+/-1.424 χ^2/NDF: 715.3/18

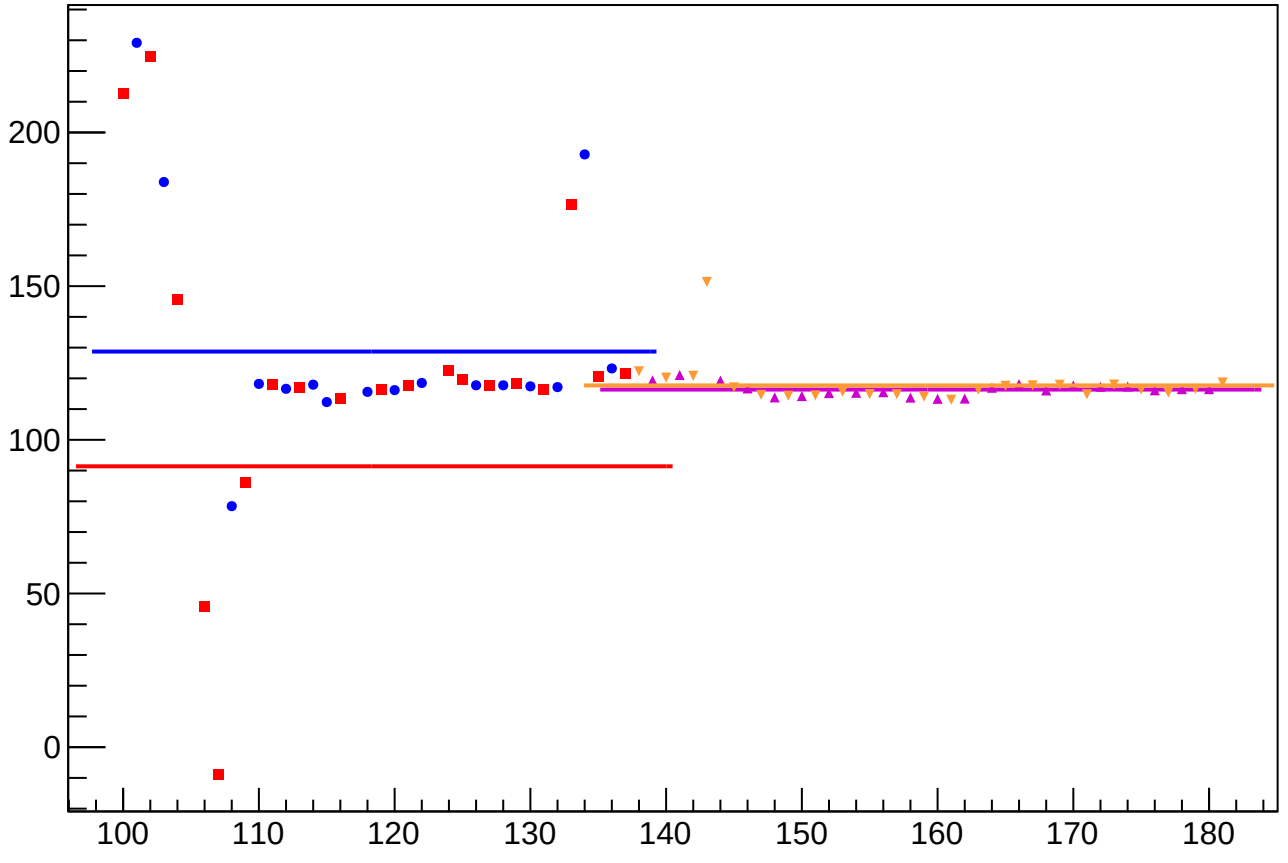
Left In: -73.522+/-0.853 χ^2/NDF:508.6/20

+ sign -77.849+/-0.725 χ^2/NDF: 1240.0/38

All: -76.630+/-0.515 χ^2/NDF: 2487.8/78

- sign -75.388+/-0.732 χ^2/NDF: 1242.1/39

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug



Right In: 128.715+/-0.089 χ^2/NDF: 183522.8/15

Left Out: 117.700+/-0.038 χ^2/NDF:29902.1/22

Right Out: 91.385+/-0.079 χ^2/NDF: 604912.4/18

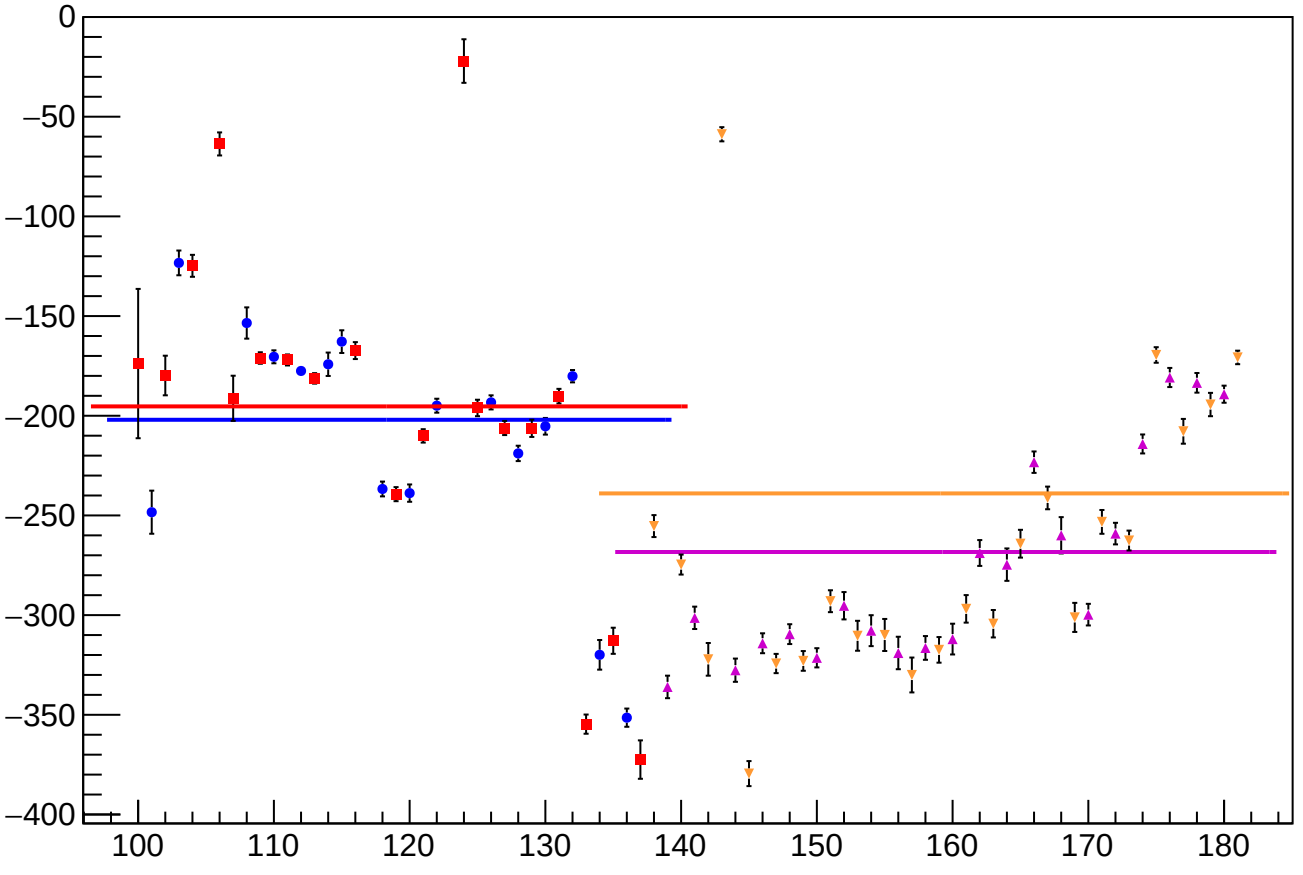
Left In: 116.348+/-0.039 χ^2/NDF:2991.3/20

+ sign 119.432+/-0.035 χ^2/NDF: 226294.2/38

All: 115.406+/-0.025 χ^2/NDF: 940073.0/78

- sign 111.463+/-0.035 χ^2/NDF: 688089.9/39

reg_asym_atr1l2_avg_diff_bpm1X_slope vs Slug



Right In: -202.020+/-1.024 χ^2/NDF: 2040.4/15

Left Out: -238.955+/-1.141 χ^2/NDF:5430.7/22

Right Out: -195.311+/-0.974 χ^2/NDF: 3100.7/18

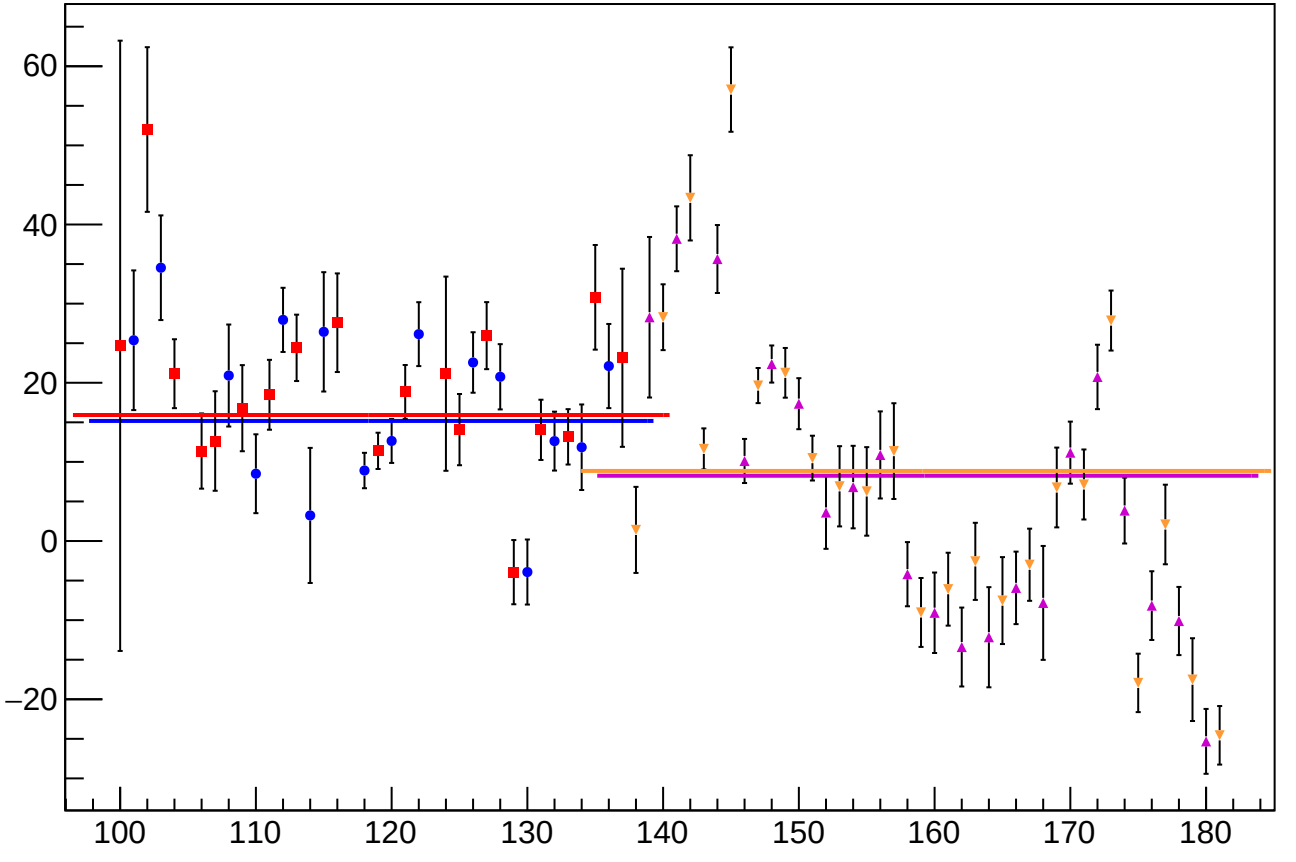
Left In: -268.342+/-1.239 χ^2/NDF:1940.6/20

+ sign -218.499+/-0.762 χ^2/NDF: 8051.4/38

All: -220.836+/-0.540 χ^2/NDF: 15258.0/78

- sign -223.197+/-0.766 χ^2/NDF: 7187.7/39

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs Slug



Right In: 15.175+/-1.048 χ^2/NDF: 72.3/15

Left Out: 8.856+/-0.833 χ^2/NDF:422.9/22

Right Out: 15.925+/-1.037 χ^2/NDF: 63.5/18

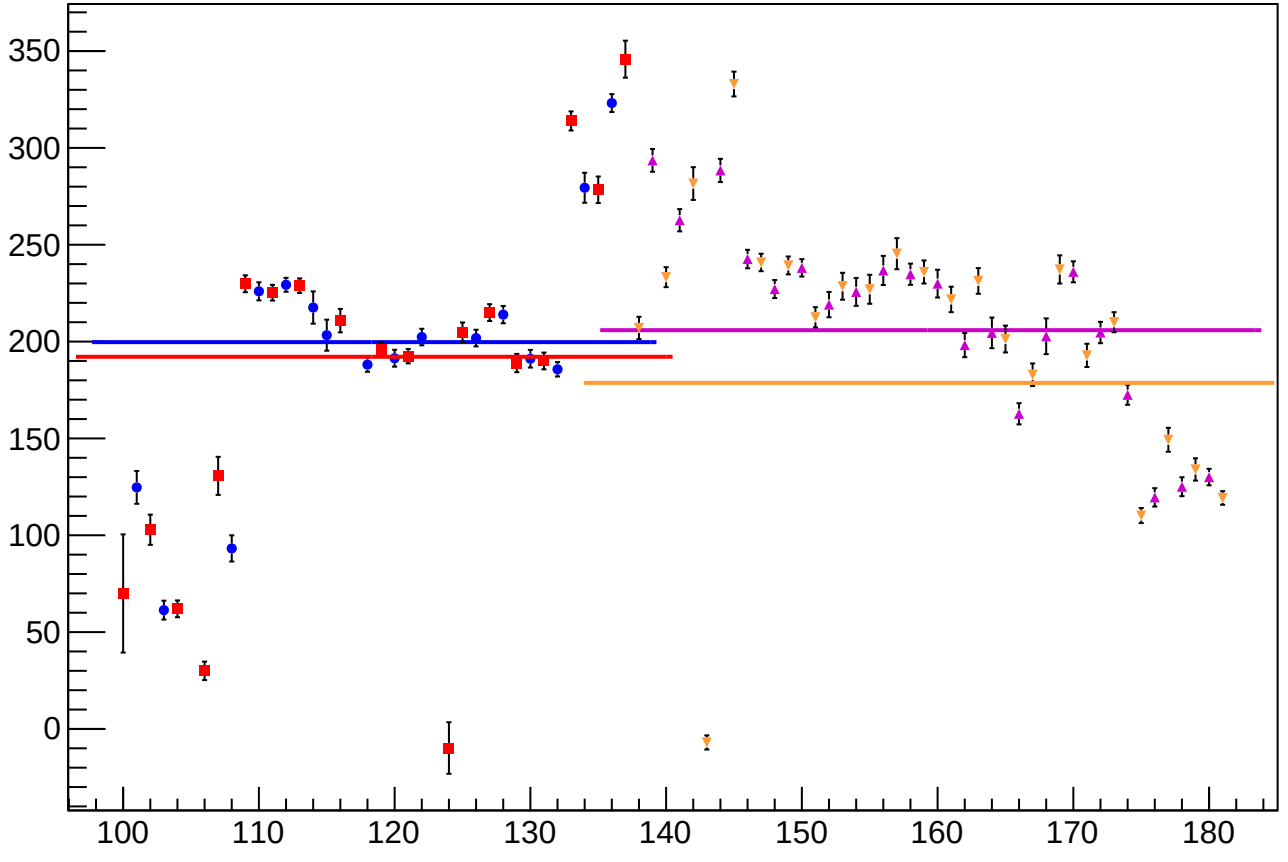
Left In: 8.250+/-0.902 χ^2/NDF:319.4/20

+ sign 11.302+/-0.652 χ^2/NDF: 517.5/38

All: 11.424+/-0.471 χ^2/NDF: 931.7/78

- sign 11.557+/-0.681 χ^2/NDF: 414.1/39

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug



Right In: 199.722+/-1.196 χ^2/NDF: 2101.6/15

Left Out: 178.680+/-1.132 χ^2/NDF:5002.9/22

Right Out: 192.156+/-1.150 χ^2/NDF: 3777.1/18

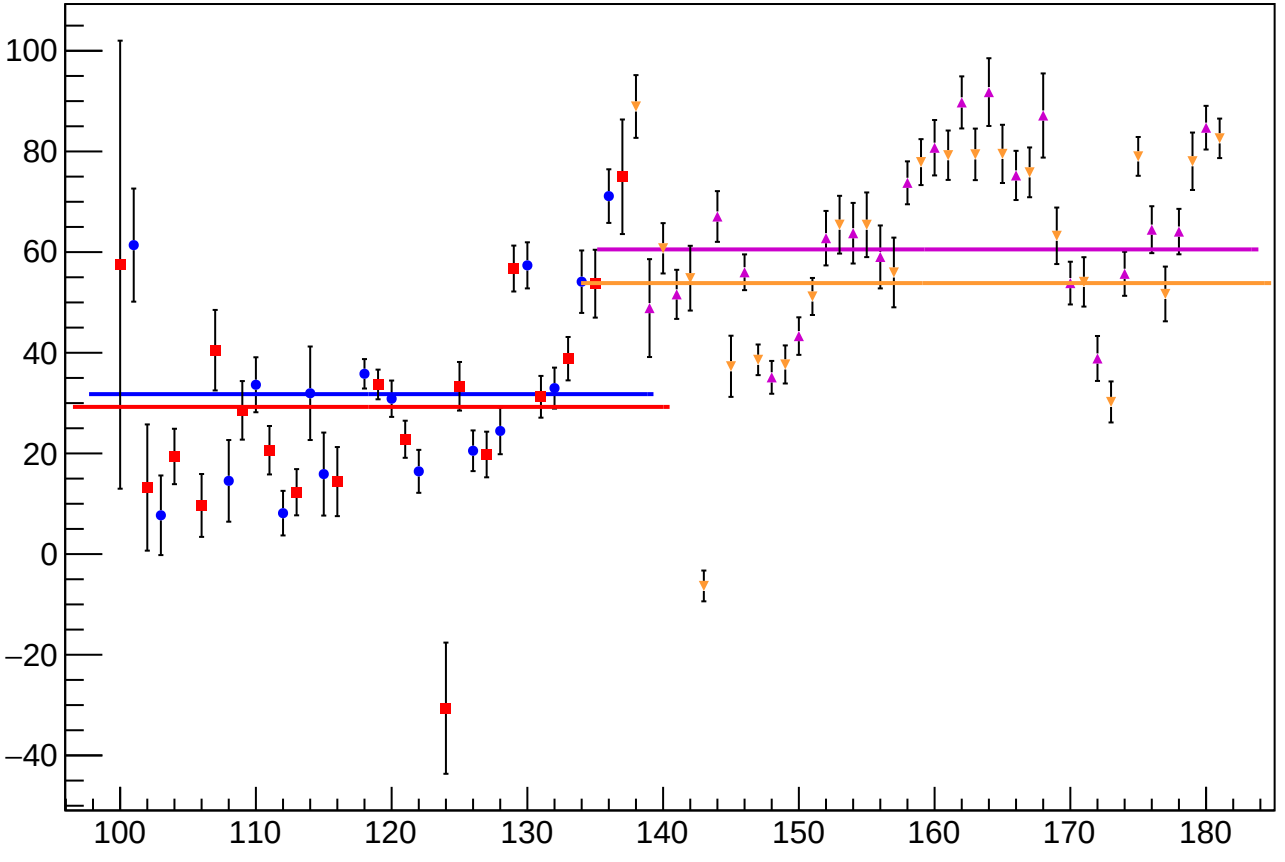
Left In: 205.894+/-1.220 χ^2/NDF:1765.4/20

+ sign 188.627+/-0.822 χ^2/NDF: 7267.8/38

All: 193.536+/-0.587 χ^2/NDF: 12950.1/78

- sign 198.623+/-0.837 χ^2/NDF: 5609.7/39

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug



Right In: 31.782+/-1.217 χ^2/NDF: 177.0/15

Left Out: 53.845+/-0.962 χ^2/NDF:749.3/22

Right Out: 29.245+/-1.197 χ^2/NDF: 140.9/18

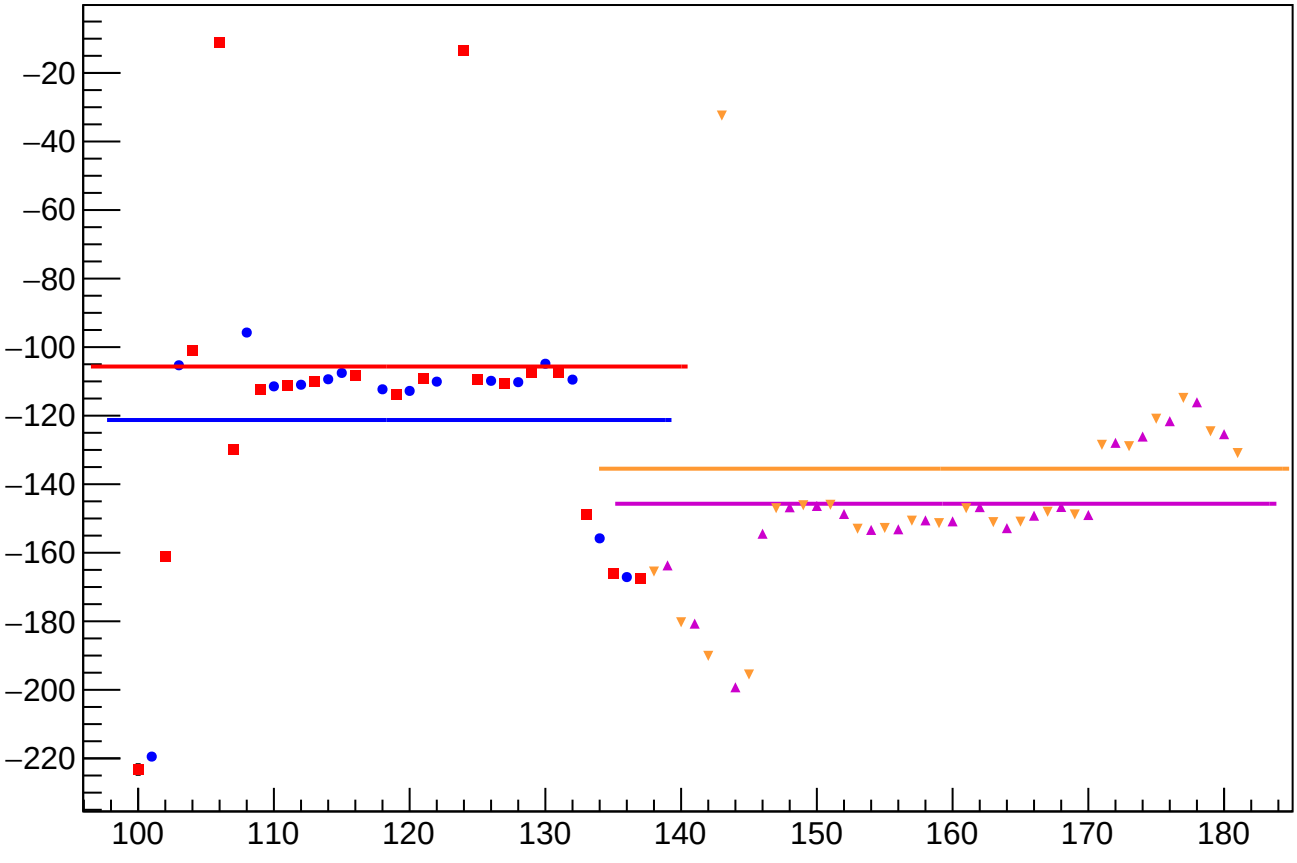
Left In: 60.536+/-1.035 χ^2/NDF:246.0/20

\+ sign 45.353+/-0.755 χ^2/NDF: 1128.6/38

All: 46.217+/-0.543 χ^2/NDF: 1909.4/78

\- sign 47.148+/-0.783 χ^2/NDF: 778.1/39

reg_asym_atr1l2_avg_diff_bpm12X_slope vs Slug



Right In: -121.268+/-0.079 χ^2/NDF: 119398.5/15

Left Out: -135.473+/-0.045 χ^2/NDF:660387.5/22

Right Out: -105.660+/-0.075 χ^2/NDF: 355093.7/18

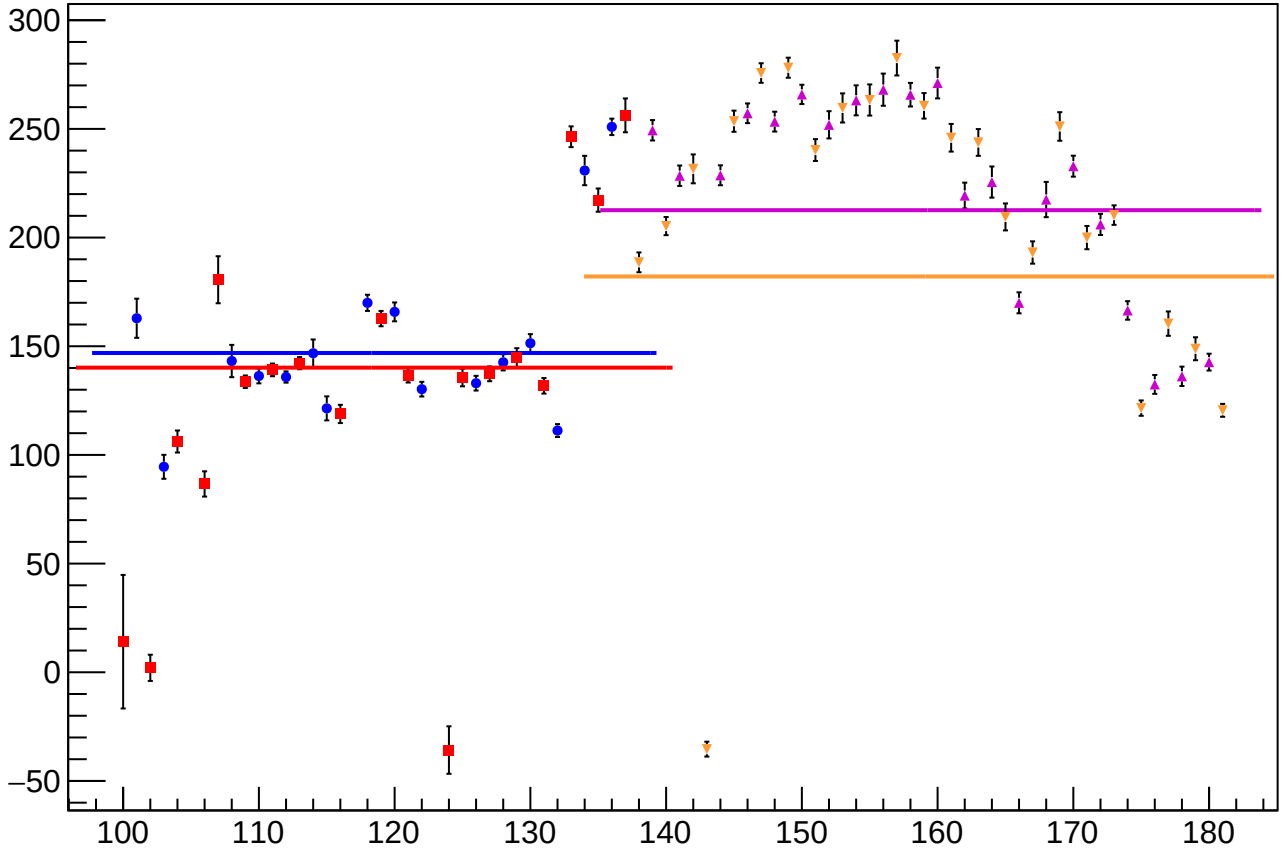
Left In: -145.702+/-0.047 χ^2/NDF:138750.1/20

+ sign -131.995+/-0.039 χ^2/NDF: 804063.2/38

All: -133.114+/-0.028 χ^2/NDF: 1504869.8/78

- sign -134.274+/-0.040 χ^2/NDF: 699147.5/39

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug



Right In: 146.905+/-1.003 χ^2/NDF: 1302.0/15

Left Out: 182.097+/-1.019 χ^2/NDF:7112.9/22

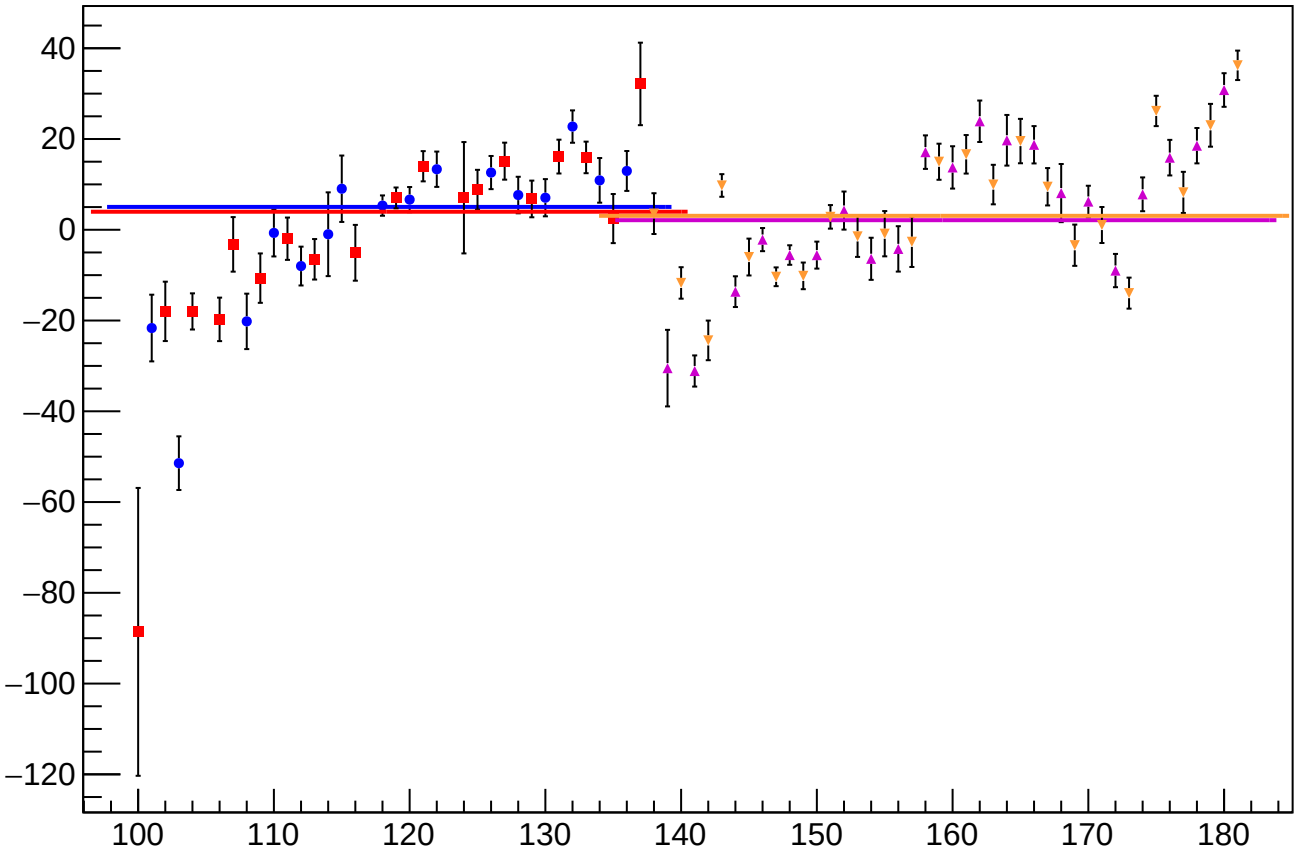
Right Out: 140.153+/-0.960 χ^2/NDF: 1950.6/18

Left In: 212.595+/-1.104 χ^2/NDF:1900.0/20

+ sign 164.222+/-0.715 χ^2/NDF: 9020.3/38

All: 167.741+/-0.509 χ^2/NDF: 15372.1/78

- sign 171.352+/-0.724 χ^2/NDF: 6302.8/39



Right In: 5.037+/-1.021 χ^2/NDF: 171.9/15

Left Out: 3.074+/-0.751 χ^2/NDF:369.3/22

Right Out: 3.974+/-1.012 χ^2/NDF: 144.9/18

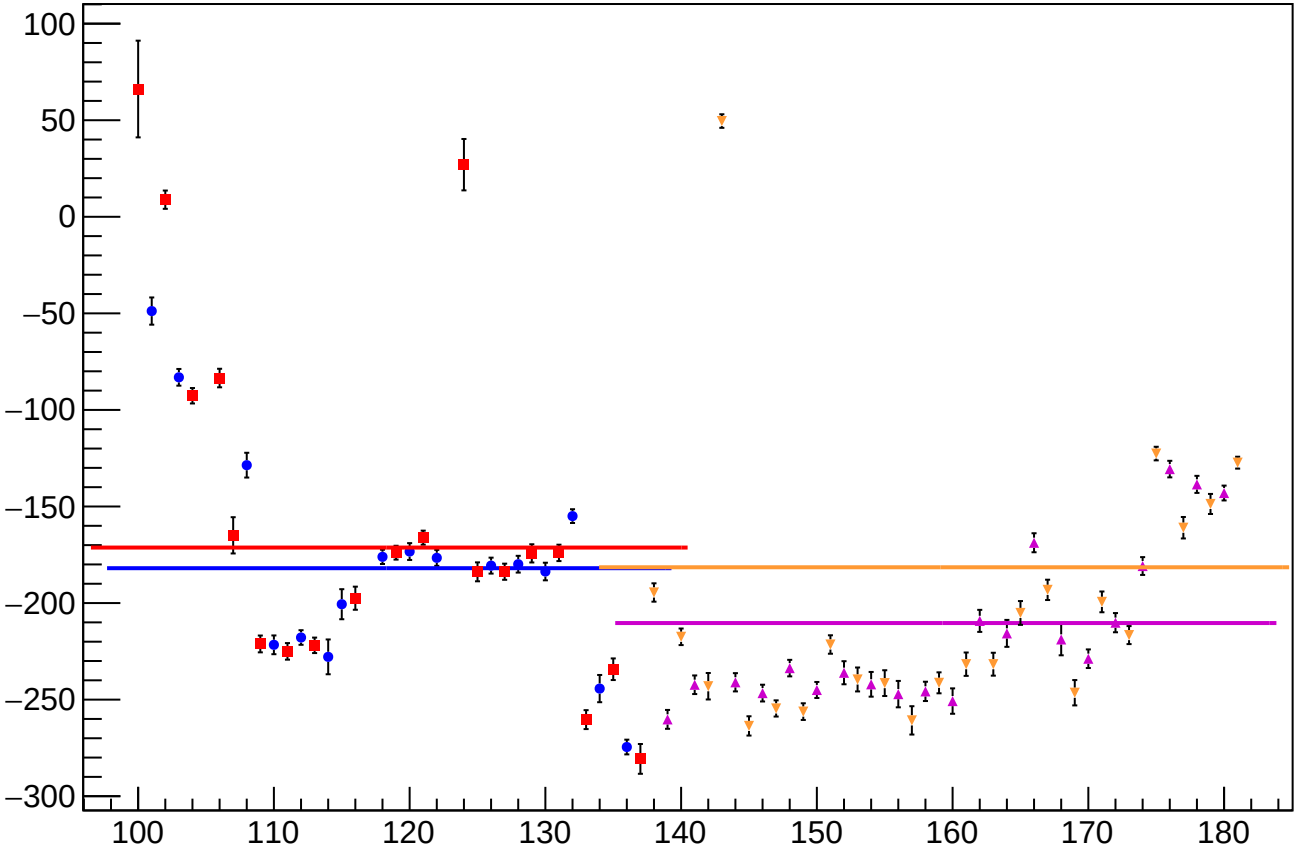
Left In: 2.110+/-0.809 χ^2/NDF:333.3/20

\+ sign 3.763+/-0.605 χ^2/NDF: 543.6/38

All: 3.320+/-0.437 χ^2/NDF: 1024.9/78

\- sign 2.837+/-0.632 χ^2/NDF: 480.3/39

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug



Right In: -181.947+/-1.154 χ^2/NDF: 1870.4/15

Left Out: -181.470+/-1.013 χ^2/NDF:6794.4/22

Right Out: -171.262+/-1.111 χ^2/NDF: 3628.2/18

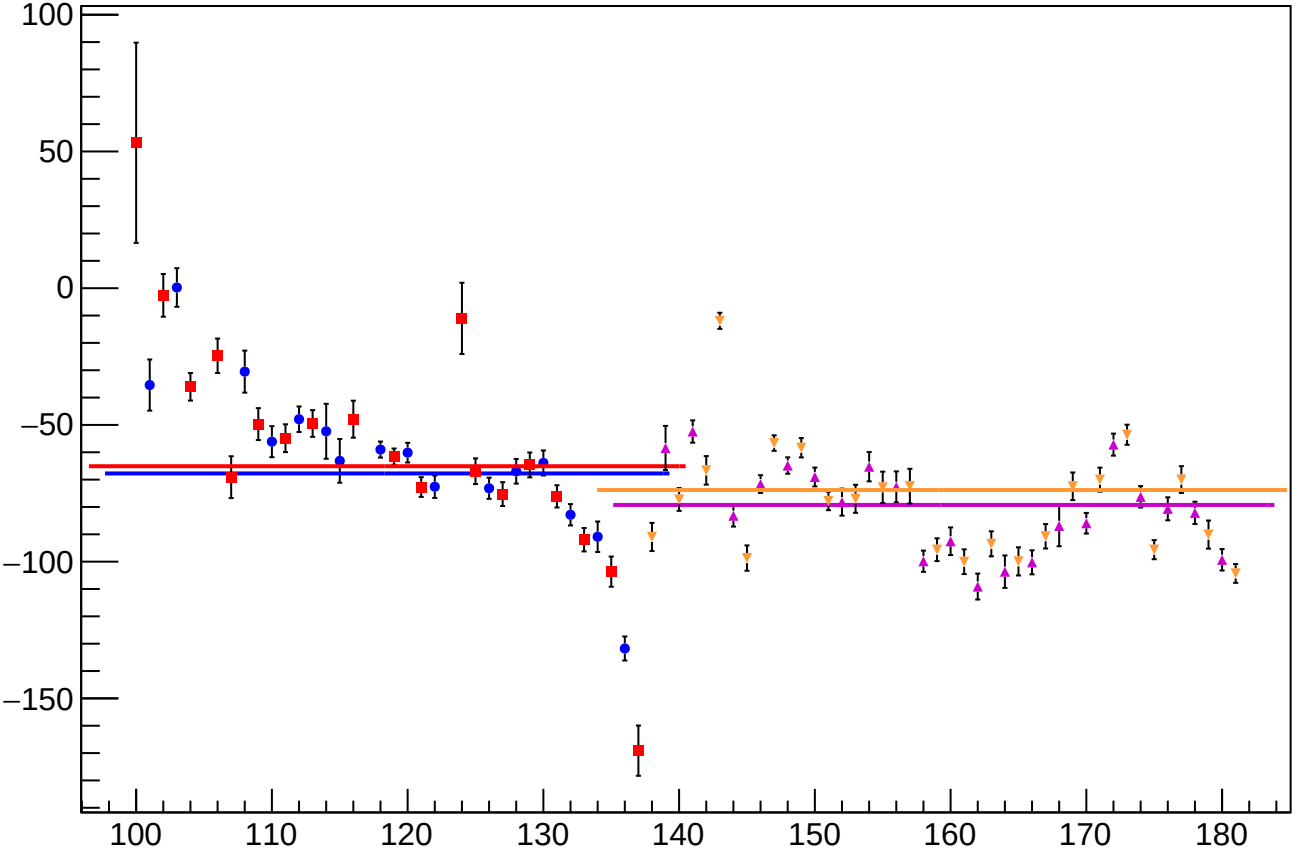
Left In: -210.346+/-1.089 χ^2/NDF:1565.0/20

+ sign -181.678+/-0.761 χ^2/NDF: 8665.0/38

All: -186.341+/-0.544 χ^2/NDF: 14566.1/78

- sign -191.204+/-0.778 χ^2/NDF: 5824.5/39

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug



Right In: -67.745+/-1.181 χ^2/NDF: 414.0/15

Left Out: -73.810+/-0.866 χ^2/NDF:822.4/22

Right Out: -65.105+/-1.167 χ^2/NDF: 429.0/18

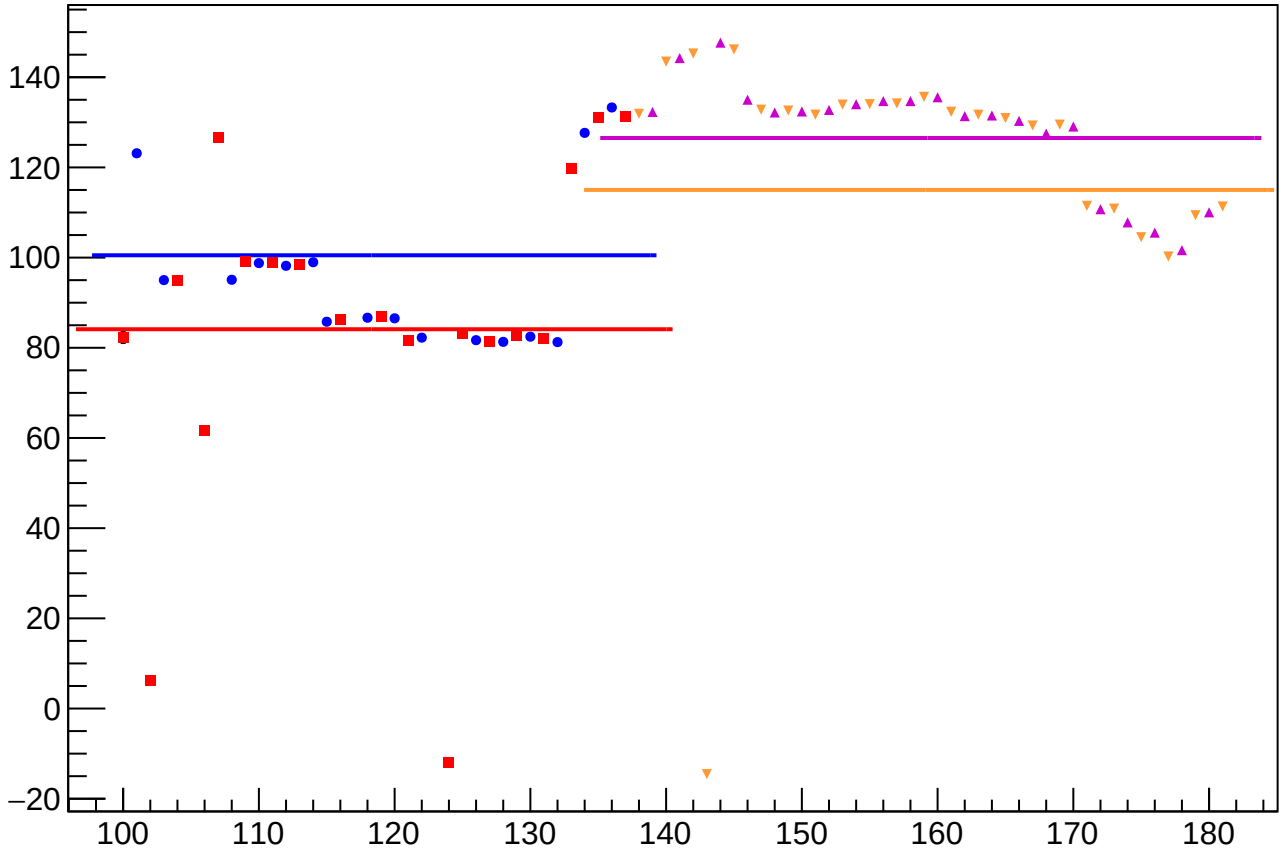
Left In: -79.258+/-0.927 χ^2/NDF:272.6/20

+ sign -71.689+/-0.698 χ^2/NDF: 1253.6/38

All: -72.694+/-0.503 χ^2/NDF: 2049.8/78

- sign -73.780+/-0.726 χ^2/NDF: 791.8/39

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug



Right In: 100.517+/-0.074 χ^2/NDF: 67464.8/15

Left Out: 115.010+/-0.040 χ^2/NDF:952340.2/22

Right Out: 84.116+/-0.069 χ^2/NDF: 263788.9/18

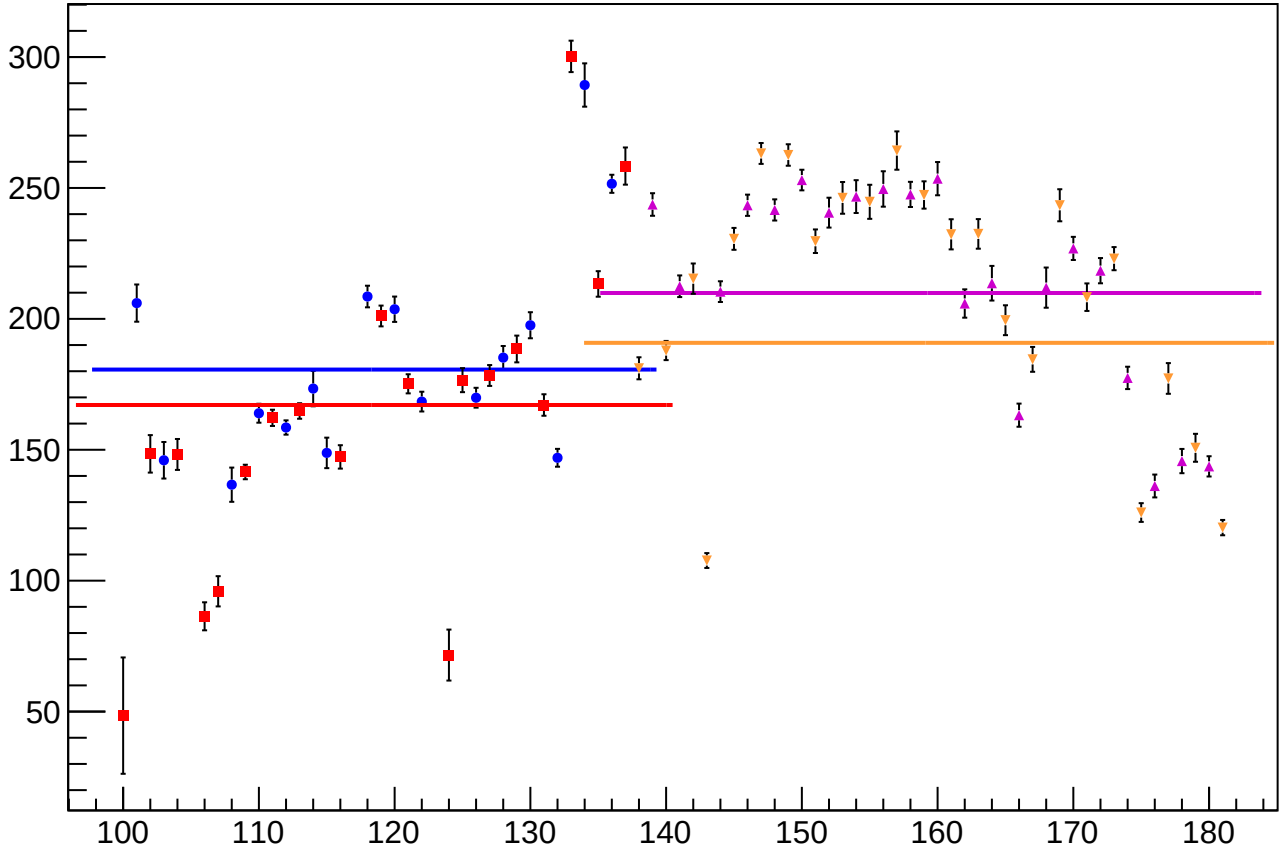
Left In: 126.519+/-0.042 χ^2/NDF:91751.8/20

\+ sign 111.678+/-0.035 χ^2/NDF: 1049372.8/38

All: 113.335+/-0.025 χ^2/NDF: 1683154.4/78

\- sign 115.043+/-0.036 χ^2/NDF: 629346.7/39

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: 190.845+/-0.941 χ^2/NDF:3267.9/22

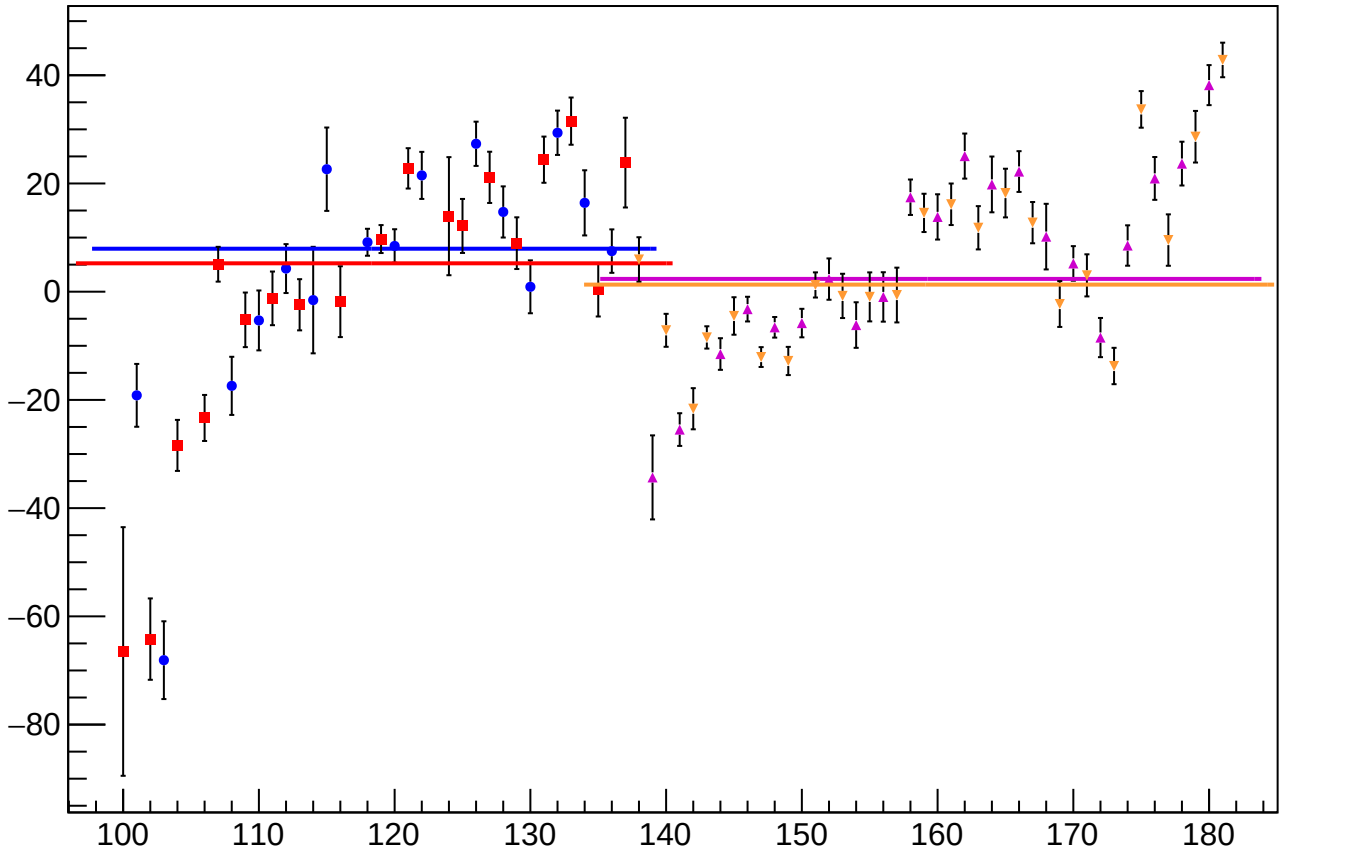
Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 209.882+/-1.027 χ^2/NDF:1476.4/20

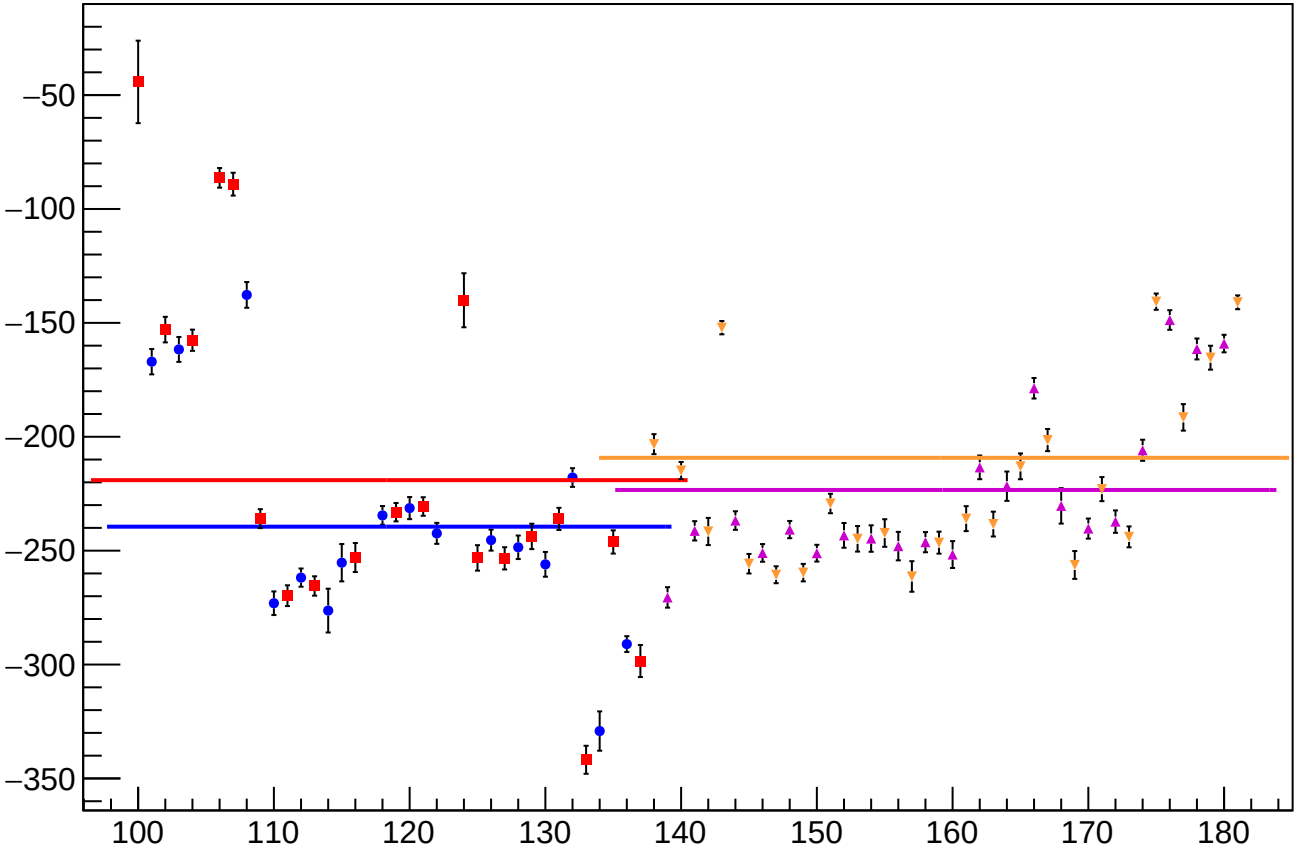
+ sign 186.483+/-0.712 χ^2/NDF: 4311.6/38

All: 187.410+/-0.508 χ^2/NDF: 8149.1/78

- sign 188.368+/-0.724 χ^2/NDF: 3834.0/39


reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs Slug
40
20
0
−20
−40
−60
−80
100
110
120
130
140
150
160
170
180
Right In: 7.942+/-1.113 χ²/NDF: 232.9/15
Left Out: 1.308+/-0.683 χ²/NDF:530.4/22
Right Out: 5.244+/-1.062 χ²/NDF: 302.9/18
Left In: 2.362+/-0.742 χ²/NDF:427.3/20
+ sign 3.121+/-0.582 χ²/NDF: 789.1/38
All: 3.210+/-0.421 χ²/NDF: 1524.4/78
- sign 3.308+/-0.608 χ²/NDF: 735.2/39

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -239.468+/-1.245 χ^2/NDF: 1162.2/15

Left Out: -209.237+/-0.935 χ^2/NDF:2240.8/22

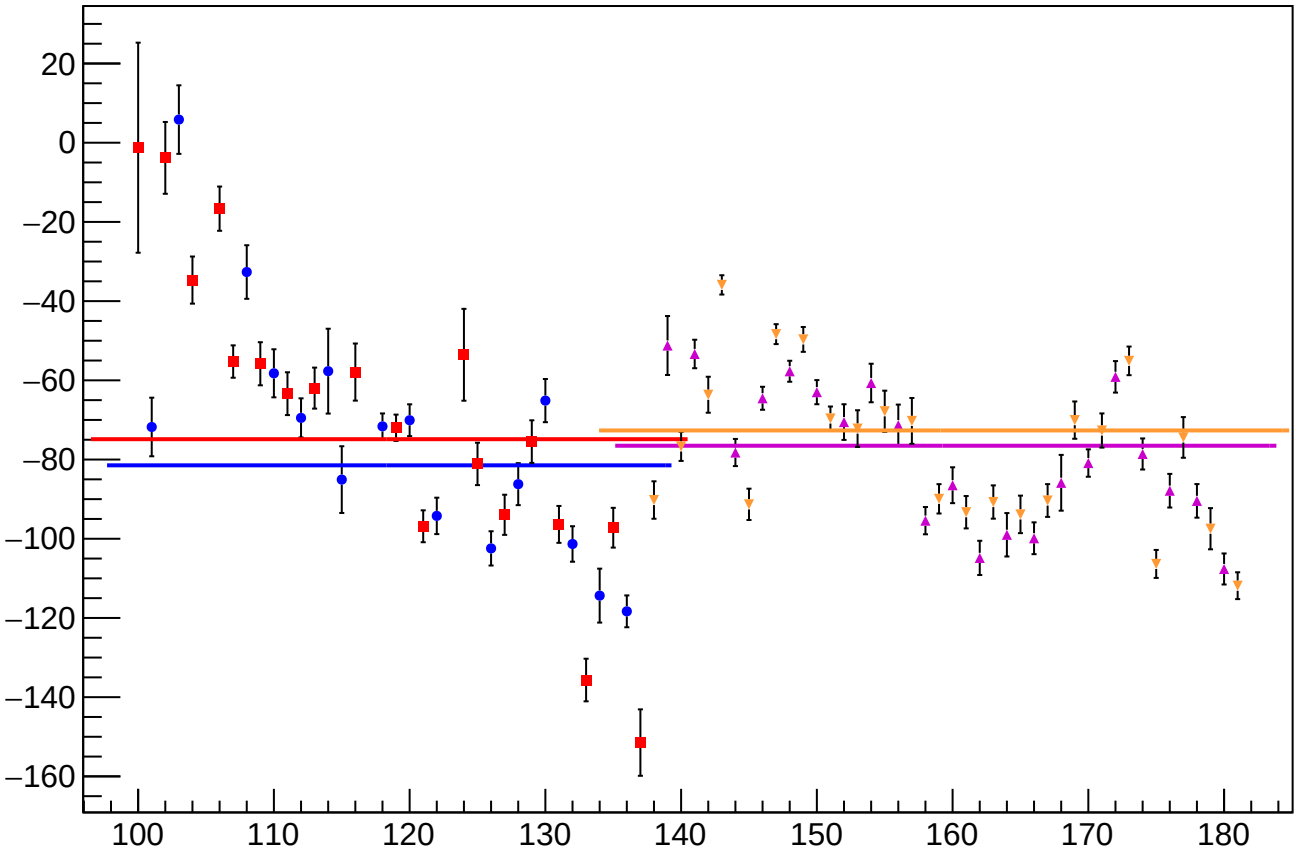
Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -223.356+/-1.011 χ^2/NDF:1260.3/20

+ sign -220.132+/-0.748 χ^2/NDF: 3779.9/38

All: -220.813+/-0.535 χ^2/NDF: 8098.9/78

- sign -221.528+/-0.767 χ^2/NDF: 4317.3/39



Right In: -81.462+/-1.287 χ^2/NDF: 366.5/15

Left Out: -72.653+/-0.792 χ^2/NDF:793.9/22

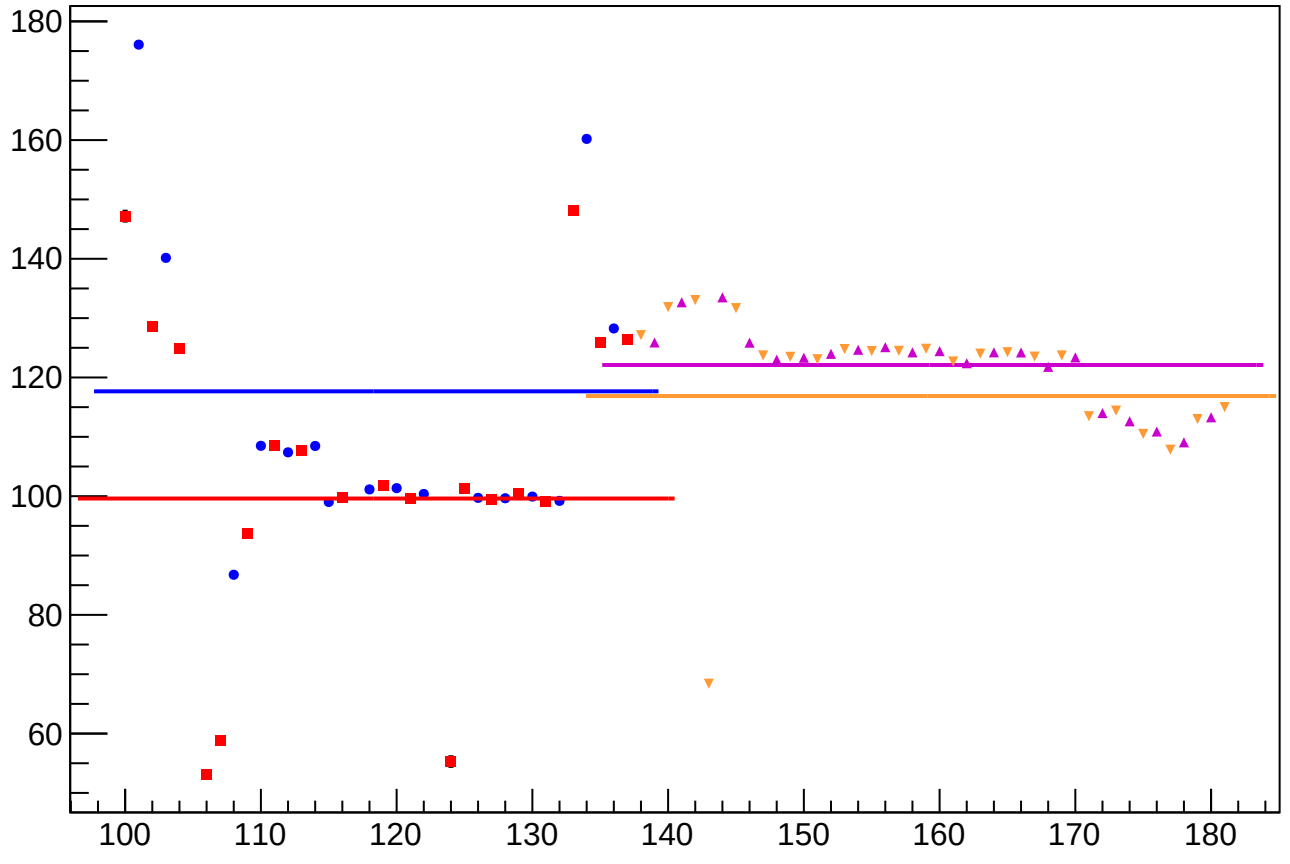
Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -76.512+/-0.855 χ^2/NDF:386.2/20

+ sign -75.074+/-0.675 χ^2/NDF: 1194.4/38

All: -75.506+/-0.486 χ^2/NDF: 2159.2/78

- sign -75.974+/-0.702 χ^2/NDF: 964.0/39



Right In: 117.666+/-0.078 χ^2/NDF: 95397.2/15

Left Out: 116.871+/-0.037 χ^2/NDF:203486.8/22

Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

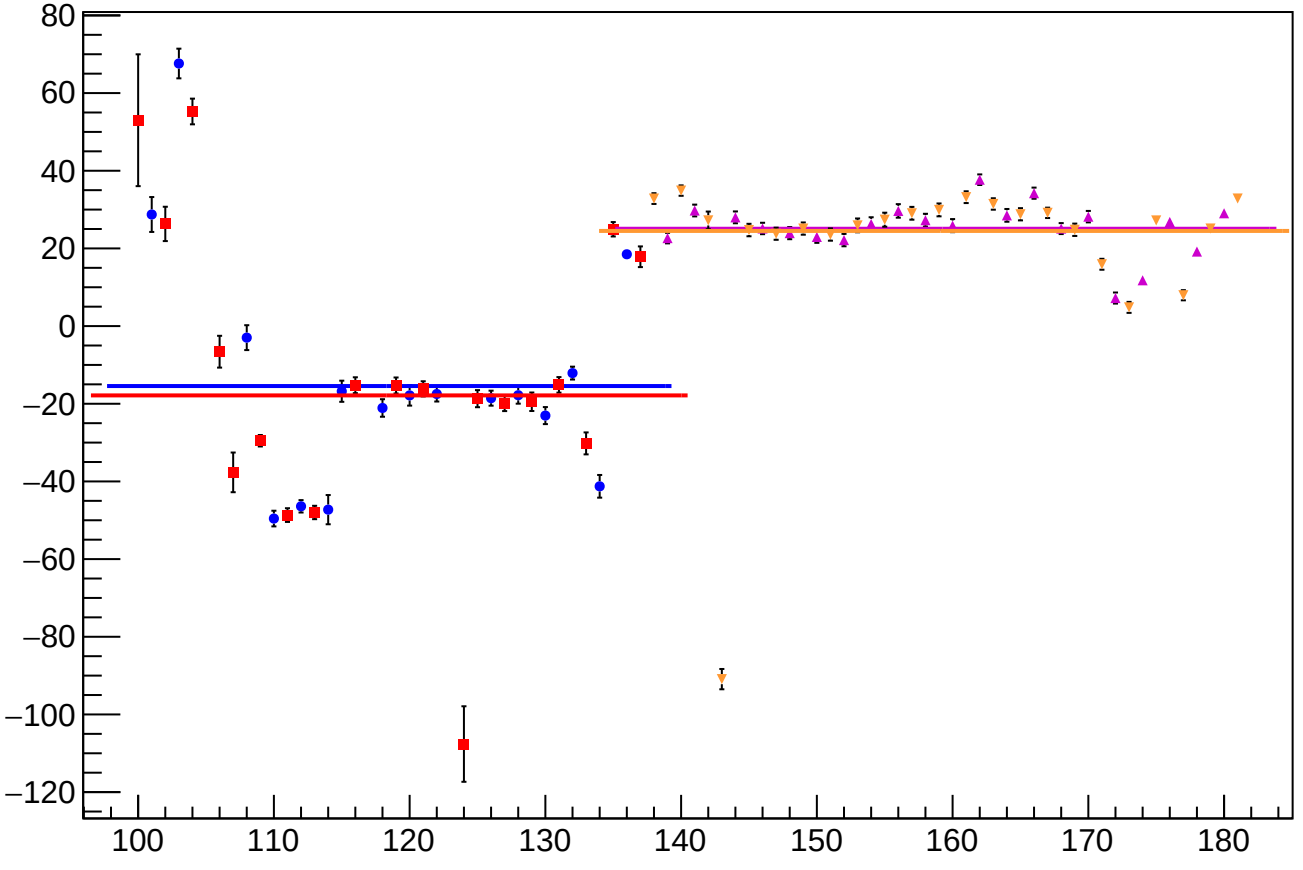
Left In: 122.103+/-0.039 χ^2/NDF:25737.6/20

+ sign 117.018+/-0.034 χ^2/NDF: 298968.2/38

All: 116.905+/-0.024 χ^2/NDF: 569189.2/78

- sign 116.788+/-0.034 χ^2/NDF: 270198.2/39

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: 24.502+/-0.297 χ^2/NDF:2634.5/22

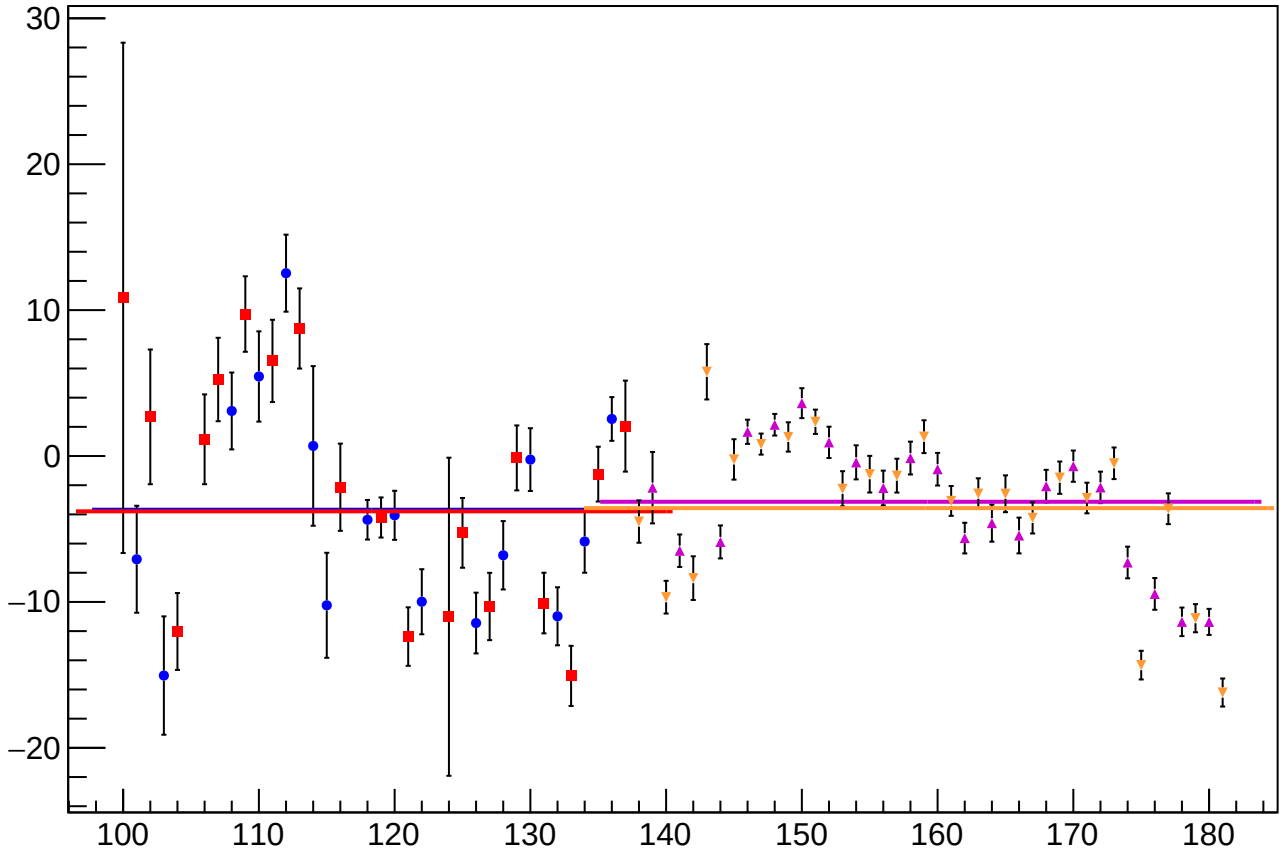
Right Out: -17.848+/-0.530 χ^2/NDF: 2125.2/18

Left In: 25.063+/-0.306 χ^2/NDF:489.2/20

+ sign 15.185+/-0.260 χ^2/NDF: 8968.1/38

All: 14.755+/-0.186 χ^2/NDF: 16507.4/78

- sign 14.310+/-0.265 χ^2/NDF: 7533.8/39



Right In: -3.679+/-0.552 χ^2/NDF: 124.0/15

Left Out: -3.571+/-0.225 χ^2/NDF:576.8/22

Right Out: -3.790+/-0.564 χ^2/NDF: 161.2/18

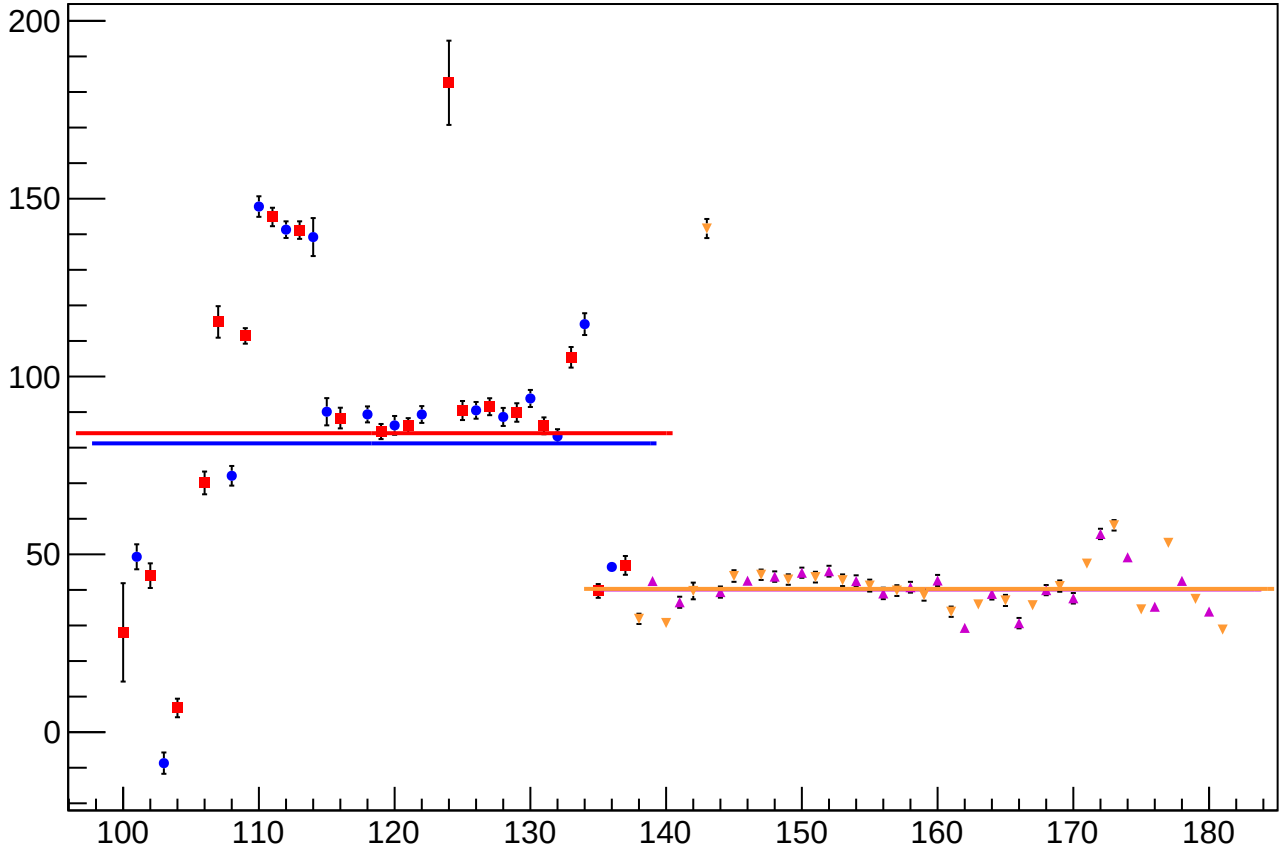
Left In: -3.134+/-0.232 χ^2/NDF:395.6/20

+ sign -3.586+/-0.208 χ^2/NDF: 700.8/38

All: -3.413+/-0.149 χ^2/NDF: 1260.2/78

- sign -3.229+/-0.215 χ^2/NDF: 558.0/39

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: 40.289+/-0.294 χ^2/NDF:2042.6/22

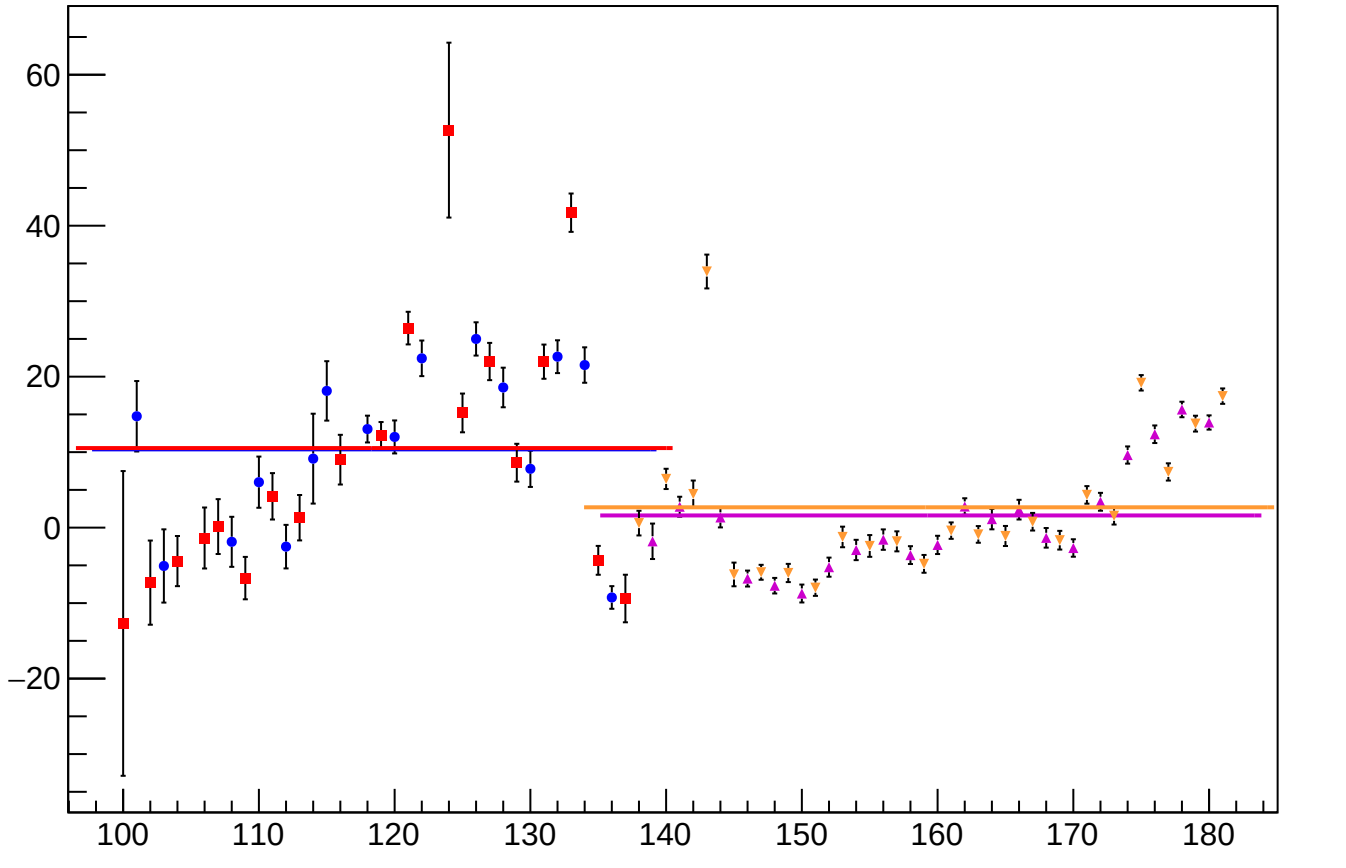
Right Out: 84.065+/-0.616 χ^2/NDF: 3206.5/18

Left In: 40.124+/-0.302 χ^2/NDF:387.2/20

+ sign 48.069+/-0.265 χ^2/NDF: 8951.8/38

All: 48.342+/-0.189 χ^2/NDF: 16647.5/78

- sign 48.629+/-0.271 χ^2/NDF: 7693.5/39



Right In: 10.367+/-0.627 χ^2/NDF: 359.8/15

Left Out: 2.692+/-0.255 χ^2/NDF:1175.6/22

Right Out: 10.539+/-0.640 χ^2/NDF: 470.7/18

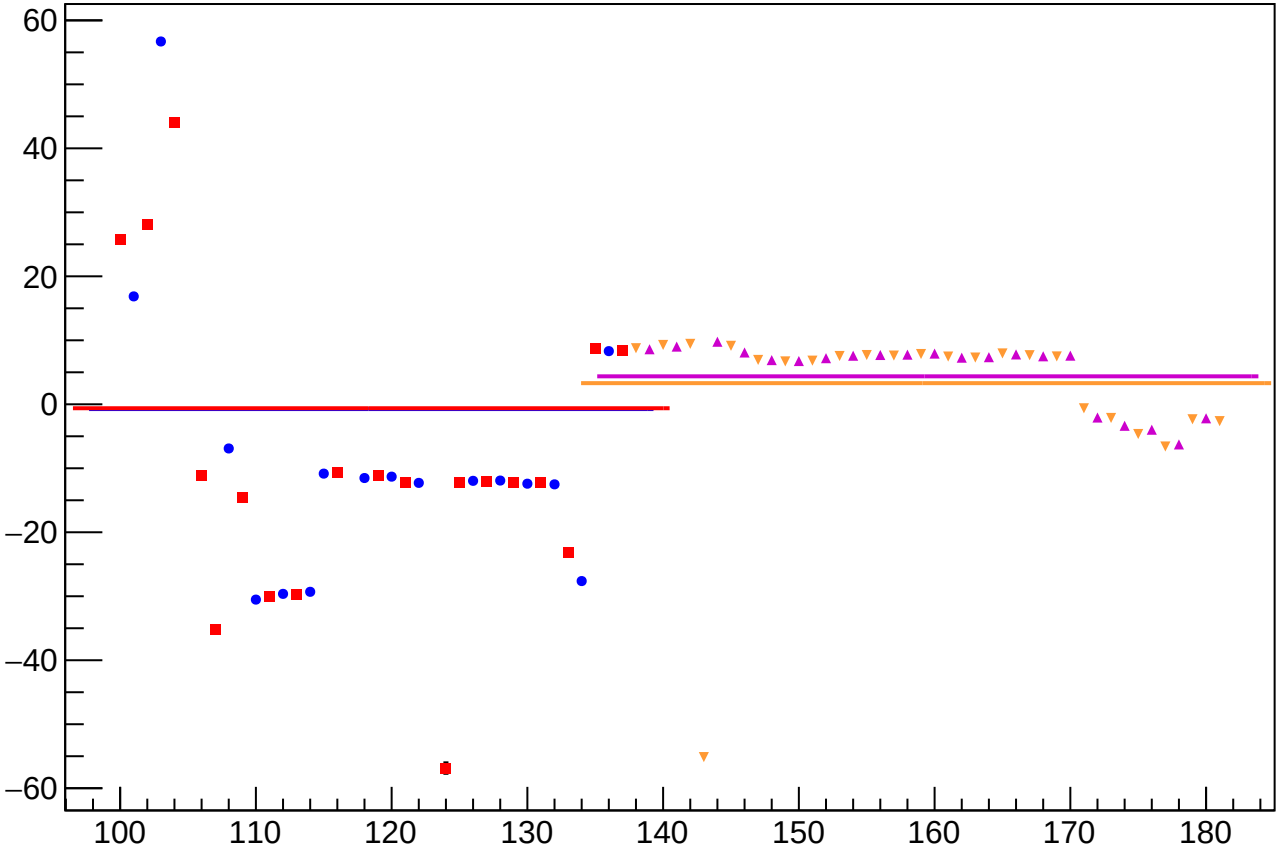
Left In: 1.614+/-0.262 χ^2/NDF:814.6/20

+ sign 3.782+/-0.236 χ^2/NDF: 1664.1/38

All: 3.348+/-0.169 χ^2/NDF: 3122.9/78

- sign 2.891+/-0.242 χ^2/NDF: 1451.8/39

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: 3.304+/-0.011 χ^2/NDF:494519.4/22

Right Out: -0.618+/-0.037 χ^2/NDF: 316492.6/18

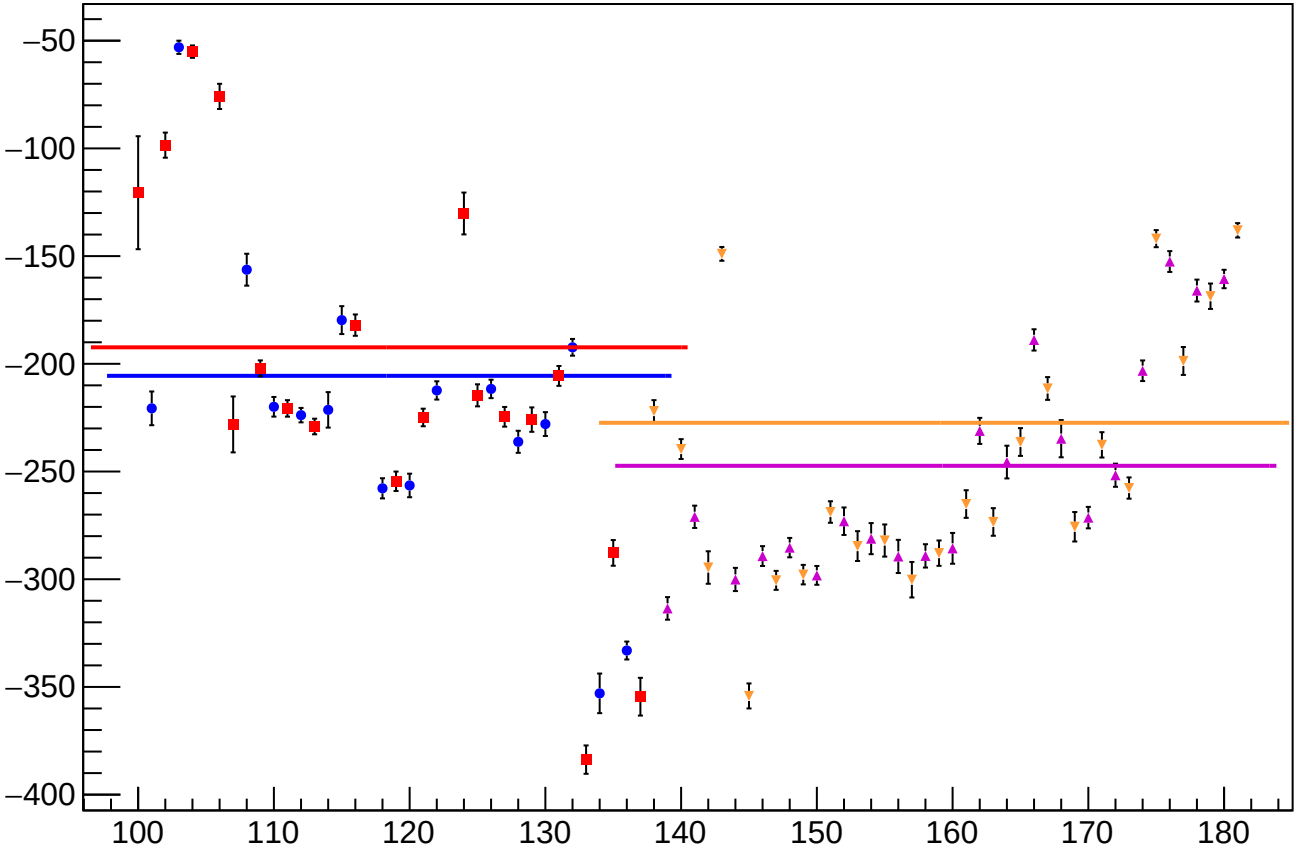
Left In: 4.370+/-0.012 χ^2/NDF:205712.3/20

+ sign 2.929+/-0.011 χ^2/NDF: 874067.2/38

All: 3.424+/-0.008 χ^2/NDF: 1416722.8/78

- sign 3.932+/-0.011 χ^2/NDF: 538488.1/39

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs Slug



Right In: -205.577+/-1.185 χ^2/NDF: 4056.0/15

Left Out: -227.381+/-1.079 χ^2/NDF:3540.5/22

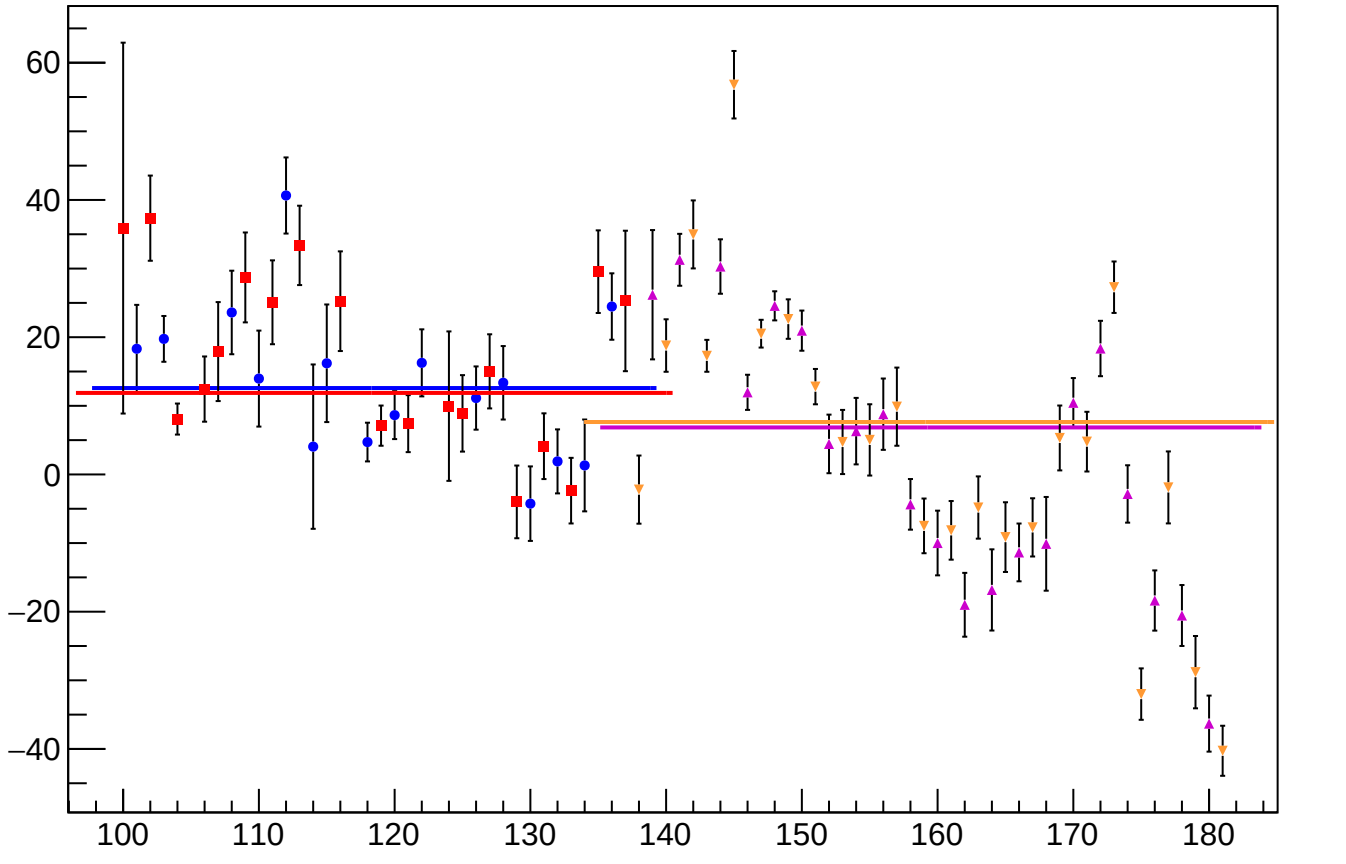
Right Out: -192.345+/-1.123 χ^2/NDF: 4969.8/18

Left In: -247.348+/-1.174 χ^2/NDF:2032.0/20

+ sign -217.495+/-0.798 χ^2/NDF: 7781.7/38

All: -218.040+/-0.569 χ^2/NDF: 15930.7/78

- sign -218.603+/-0.811 χ^2/NDF: 8148.1/39



Right In: 12.592+/-1.203 χ^2/NDF: 68.5/15

Left Out: 7.642+/-0.778 χ^2/NDF:655.9/22

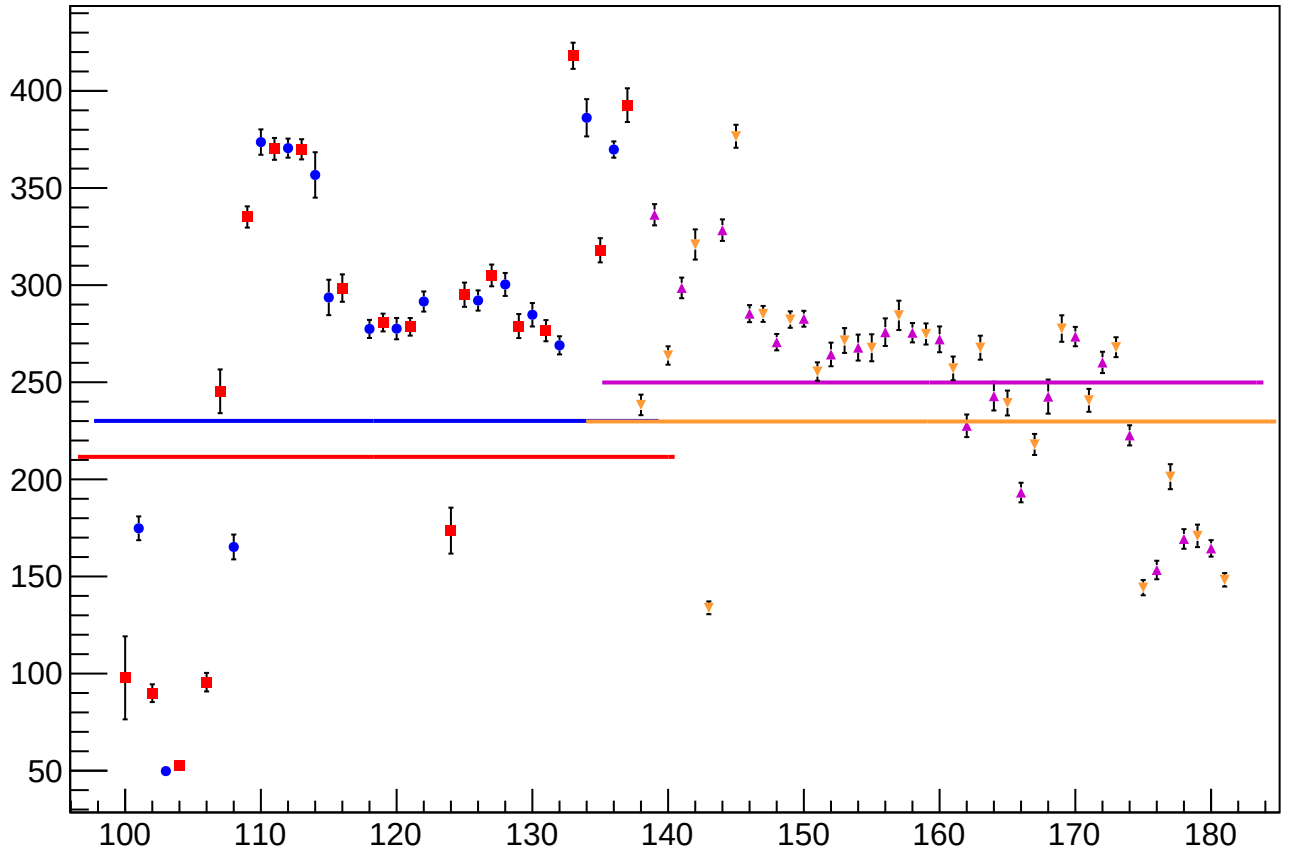
Right Out: 11.880+/-1.122 χ^2/NDF: 84.9/18

Left In: 6.850+/-0.845 χ^2/NDF:469.6/20

+ sign 9.101+/-0.653 χ^2/NDF: 736.3/38

All: 8.893+/-0.469 χ^2/NDF: 1303.9/78

- sign 8.671+/-0.675 χ^2/NDF: 567.3/39



Right In: 230.095+/-1.260 χ^2/NDF: 9375.6/15

Left Out: 229.801+/-1.070 χ^2/NDF:3527.2/22

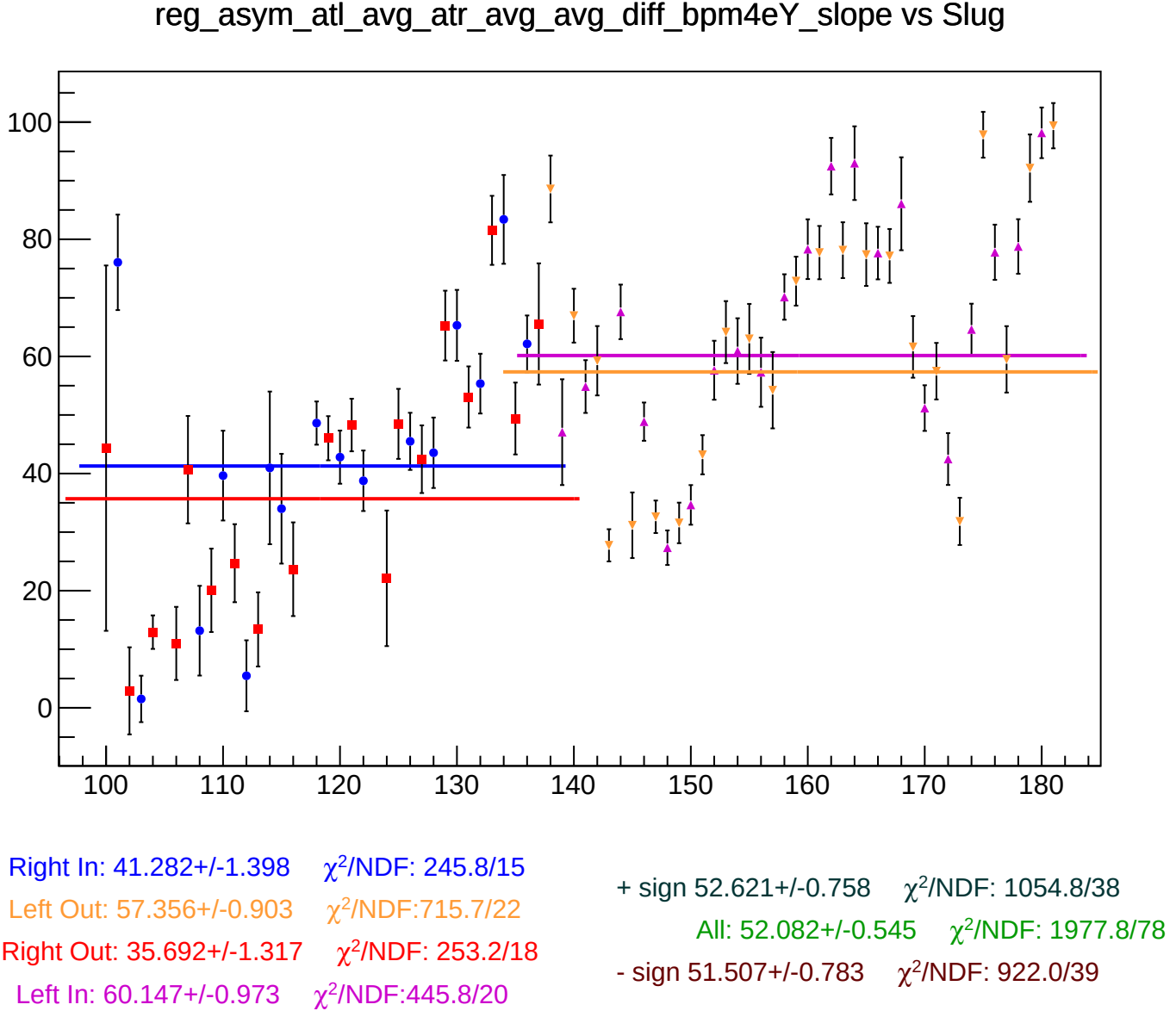
Right Out: 211.588+/-1.195 χ^2/NDF: 11472.1/18

Left In: 249.869+/-1.154 χ^2/NDF:2016.2/20

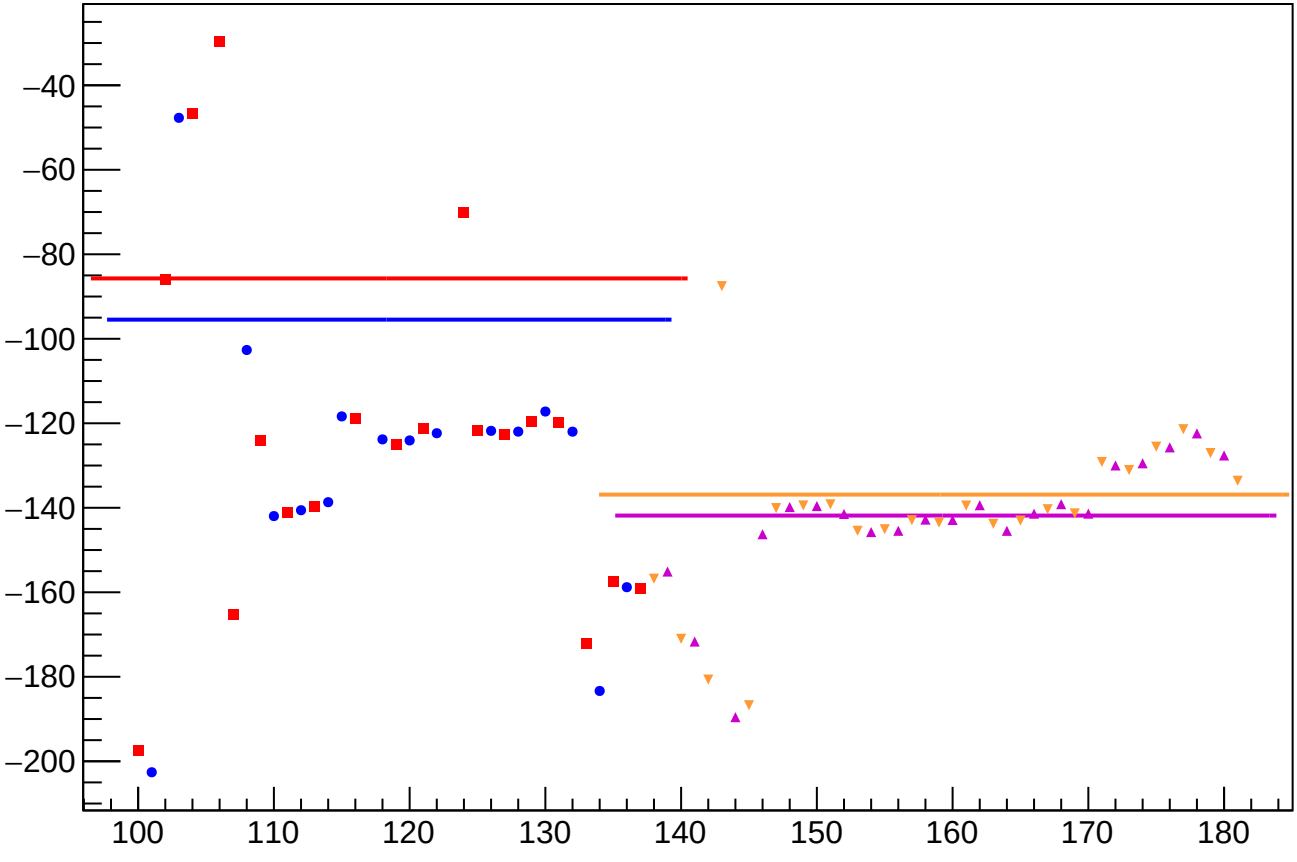
+ sign 229.924+/-0.815 χ^2/NDF: 12902.8/38

All: 230.650+/-0.582 χ^2/NDF: 26923.7/78

- sign 231.403+/-0.830 χ^2/NDF: 14019.2/39


reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs Slug
100
80
60
40
20
0
100
110
120
130
140
150
160
170
180
Right In: 41.282+/-1.398 χ2/NDF: 245.8/15
Left Out: 57.356+/-0.903 χ2/NDF:715.7/22
Right Out: 35.692+/-1.317 χ2/NDF: 253.2/18
Left In: 60.147+/-0.973 χ2/NDF:445.8/20
+ sign 52.621+/-0.758 χ2/NDF: 1054.8/38
All: 52.082+/-0.545 χ2/NDF: 1977.8/78
- sign 51.507+/-0.783 χ2/NDF: 922.0/39

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs Slug



Right In: -95.468+/-0.069 χ^2/NDF: 519953.8/15

Left Out: -136.882+/-0.043 χ^2/NDF:247866.3/22

Right Out: -85.716+/-0.067 χ^2/NDF: 482604.9/18

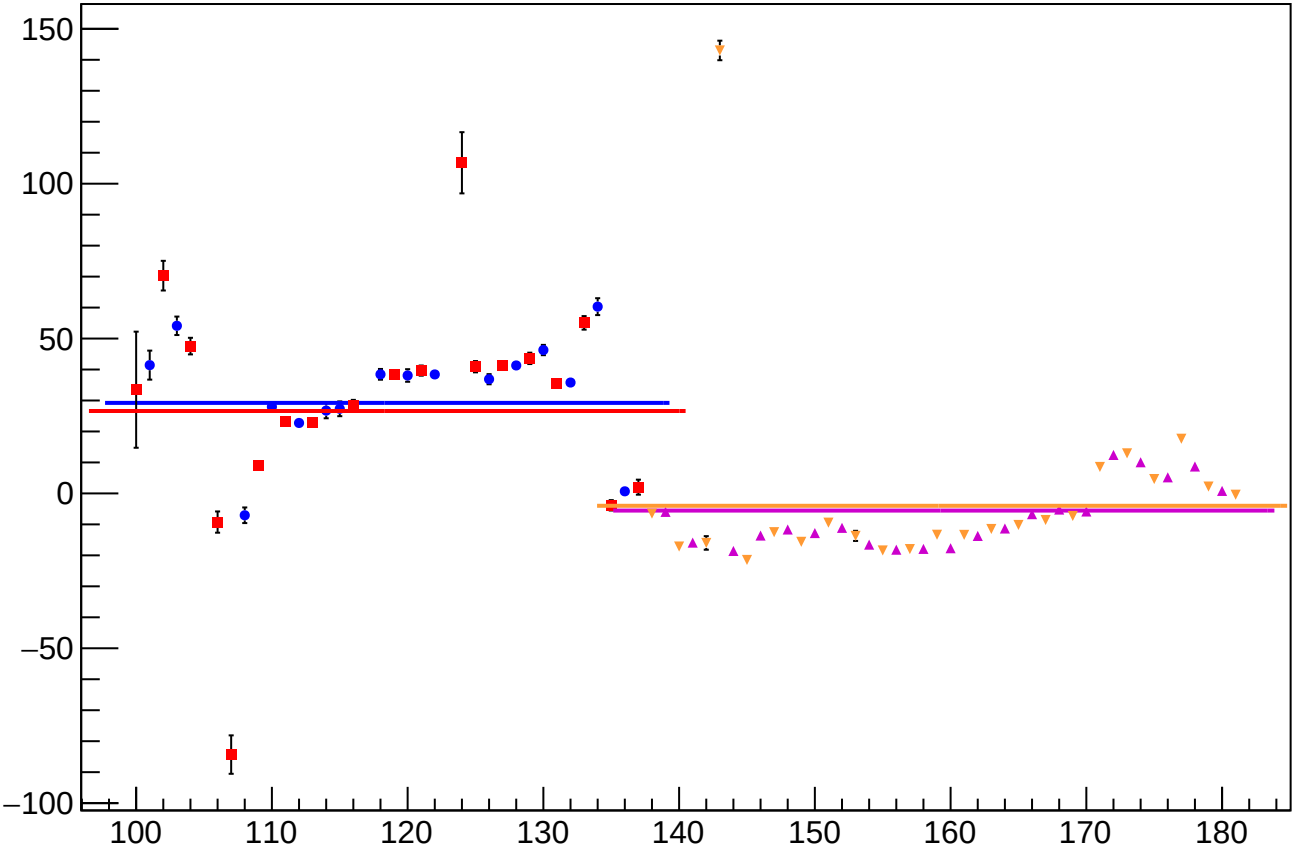
Left In: -141.843+/-0.045 χ^2/NDF:89477.3/20

+ sign -125.572+/-0.036 χ^2/NDF: 1026281.4/38

All: -125.096+/-0.026 χ^2/NDF: 2085591.6/78

- sign -124.598+/-0.037 χ^2/NDF: 1058958.1/39

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs Slug



Right In: 29.229+/-0.424 χ^2/NDF: 1342.9/15

Left Out: -3.994+/-0.279 χ^2/NDF:3582.5/22

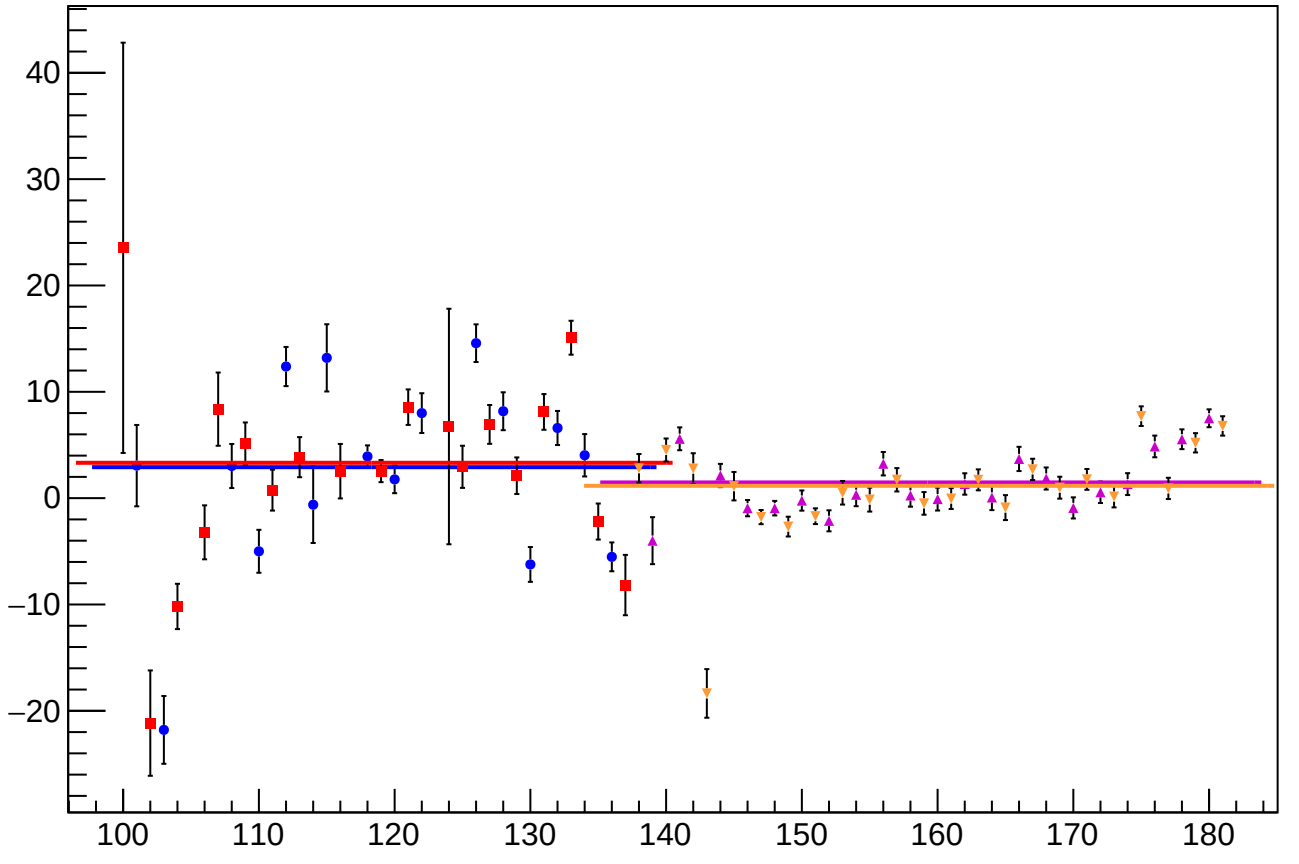
Right Out: 26.609+/-0.414 χ^2/NDF: 1920.6/18

Left In: -5.542+/-0.287 χ^2/NDF:1195.7/20

\+ sign 6.043+/-0.233 χ^2/NDF: 9204.8/38

All: 5.466+/-0.166 χ^2/NDF: 16408.5/78

\- sign 4.877+/-0.236 χ^2/NDF: 7191.3/39



Right In: 2.912+/-0.442 χ^2/NDF: 250.0/15

Left Out: 1.160+/-0.211 χ^2/NDF:258.1/22

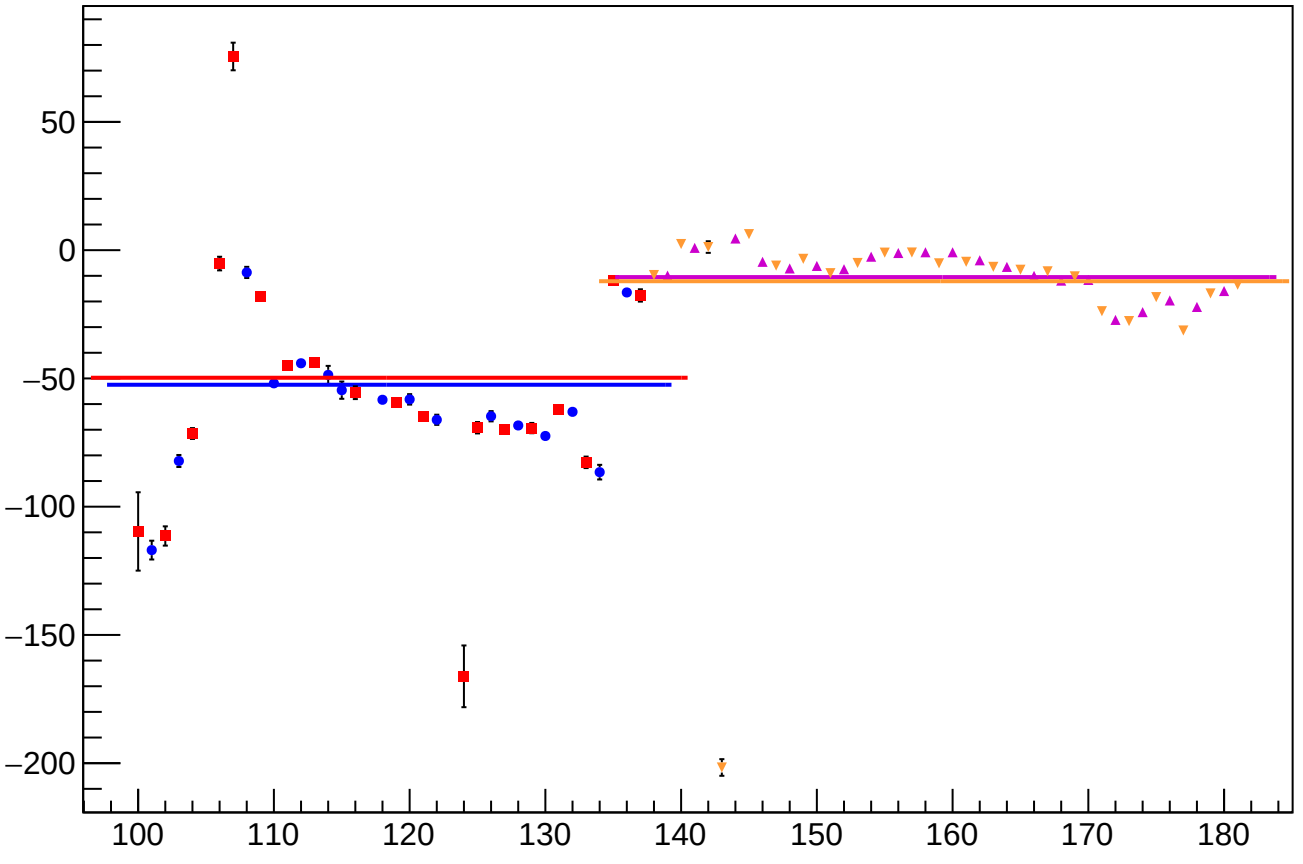
Right Out: 3.326+/-0.454 χ^2/NDF: 181.8/18

Left In: 1.478+/-0.217 χ^2/NDF:161.1/20

\+ sign 1.484+/-0.190 χ^2/NDF: 520.8/38

All: 1.648+/-0.136 χ^2/NDF: 878.7/78

\- sign 1.823+/-0.196 χ^2/NDF: 356.4/39



Right In: -52.467+/-0.488 χ^2/NDF: 2330.2/15

Left Out: -12.105+/-0.276 χ^2/NDF:4518.3/22

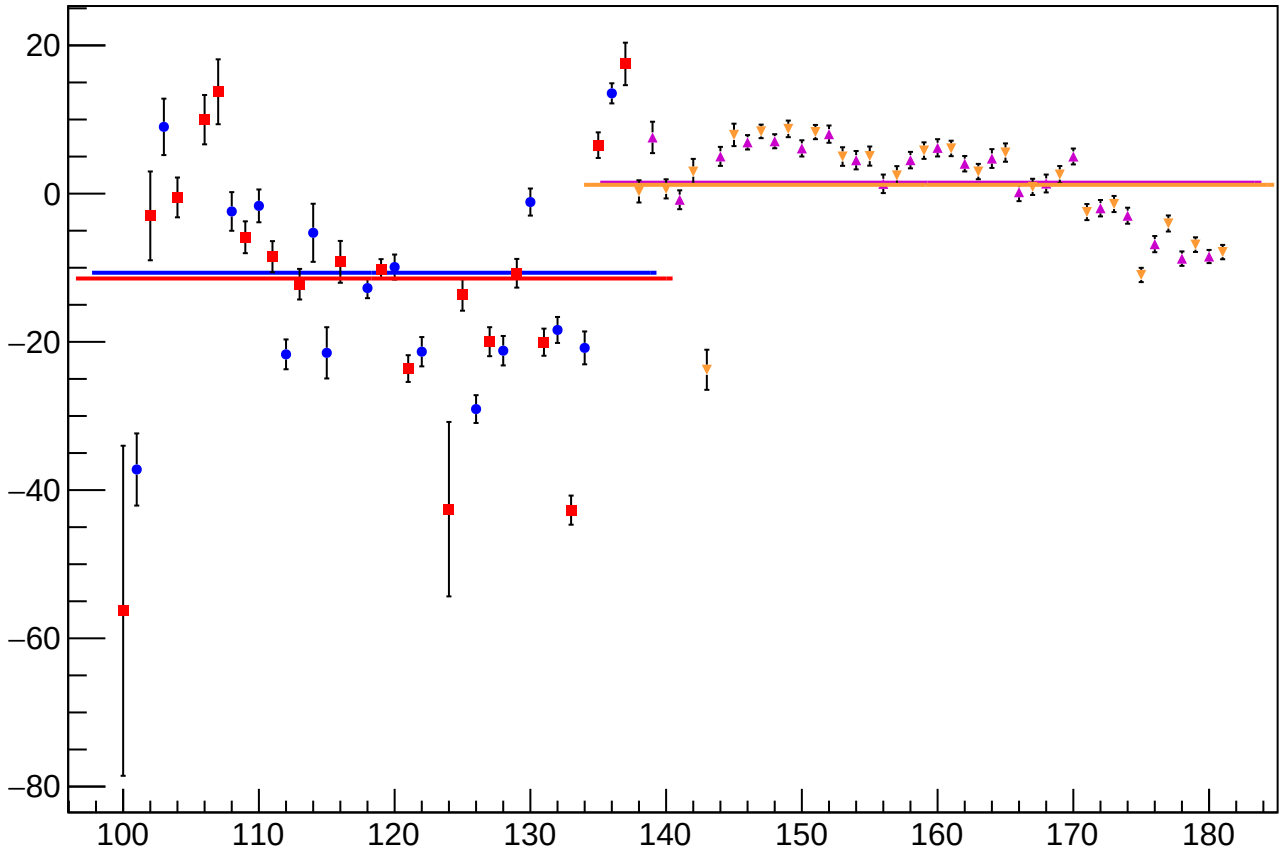
Right Out: -49.734+/-0.494 χ^2/NDF: 3009.7/18

Left In: -10.493+/-0.283 χ^2/NDF:891.4/20

+ sign -21.892+/-0.240 χ^2/NDF: 12035.0/38

All: -21.048+/-0.172 χ^2/NDF: 20715.0/78

- sign -20.166+/-0.245 χ^2/NDF: 8654.7/39



Right In: -10.675+/-0.505 χ^2/NDF: 666.4/15

Left Out: 1.190+/-0.239 χ^2/NDF:699.4/22

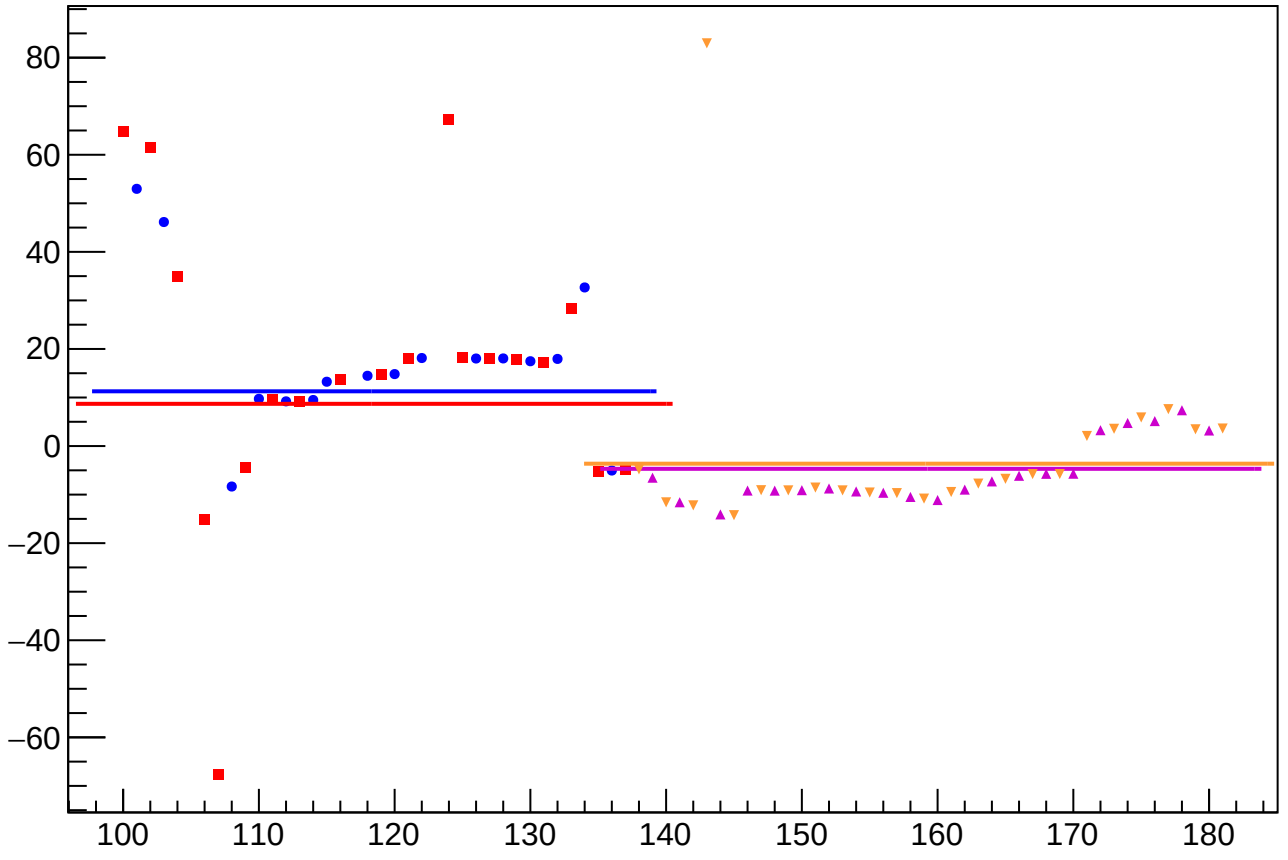
Right Out: -11.450+/-0.516 χ^2/NDF: 665.7/18

Left In: 1.478+/-0.245 χ^2/NDF:510.0/20

+ sign -0.976+/-0.216 χ^2/NDF: 1816.2/38

All: -0.940+/-0.155 χ^2/NDF: 3503.9/78

- sign -0.903+/-0.221 χ^2/NDF: 1687.7/39



Right In: 11.277+/-0.030 χ^2/NDF: 349346.9/15

Left Out: -3.633+/-0.011 χ^2/NDF:786501.8/22

Right Out: 8.698+/-0.031 χ^2/NDF: 436156.0/18

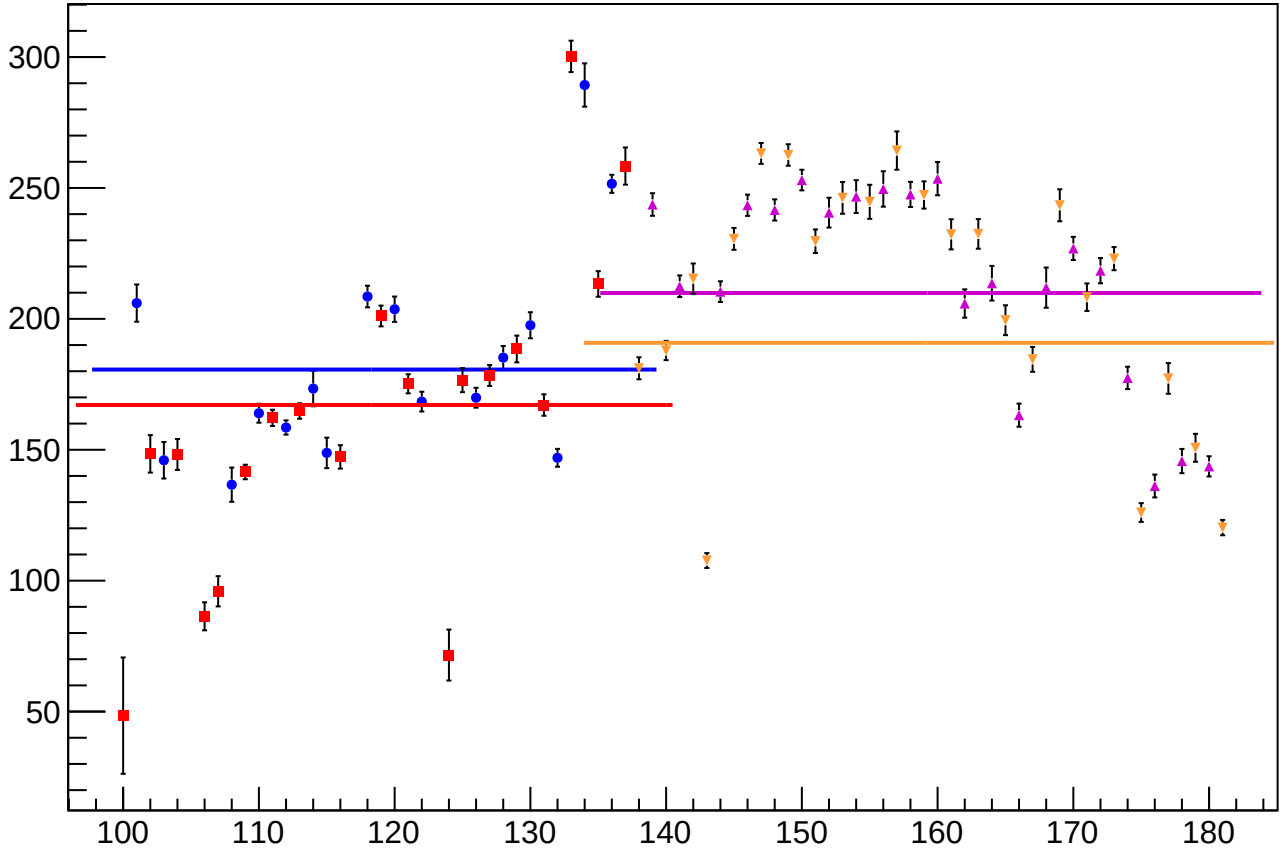
Left In: -4.690+/-0.011 χ^2/NDF:346928.7/20

+ sign -1.934+/-0.010 χ^2/NDF: 1355835.3/38

All: -2.593+/-0.007 χ^2/NDF: 2309849.7/78

- sign -3.270+/-0.010 χ^2/NDF: 945372.4/39

reg_asym_at1_avg_at2_avg_dd_diff_bpm1X_slope vs Slug



Right In: 180.634+/-1.090 χ^2/NDF: 993.4/15

Left Out: 190.845+/-0.941 χ^2/NDF:3267.9/22

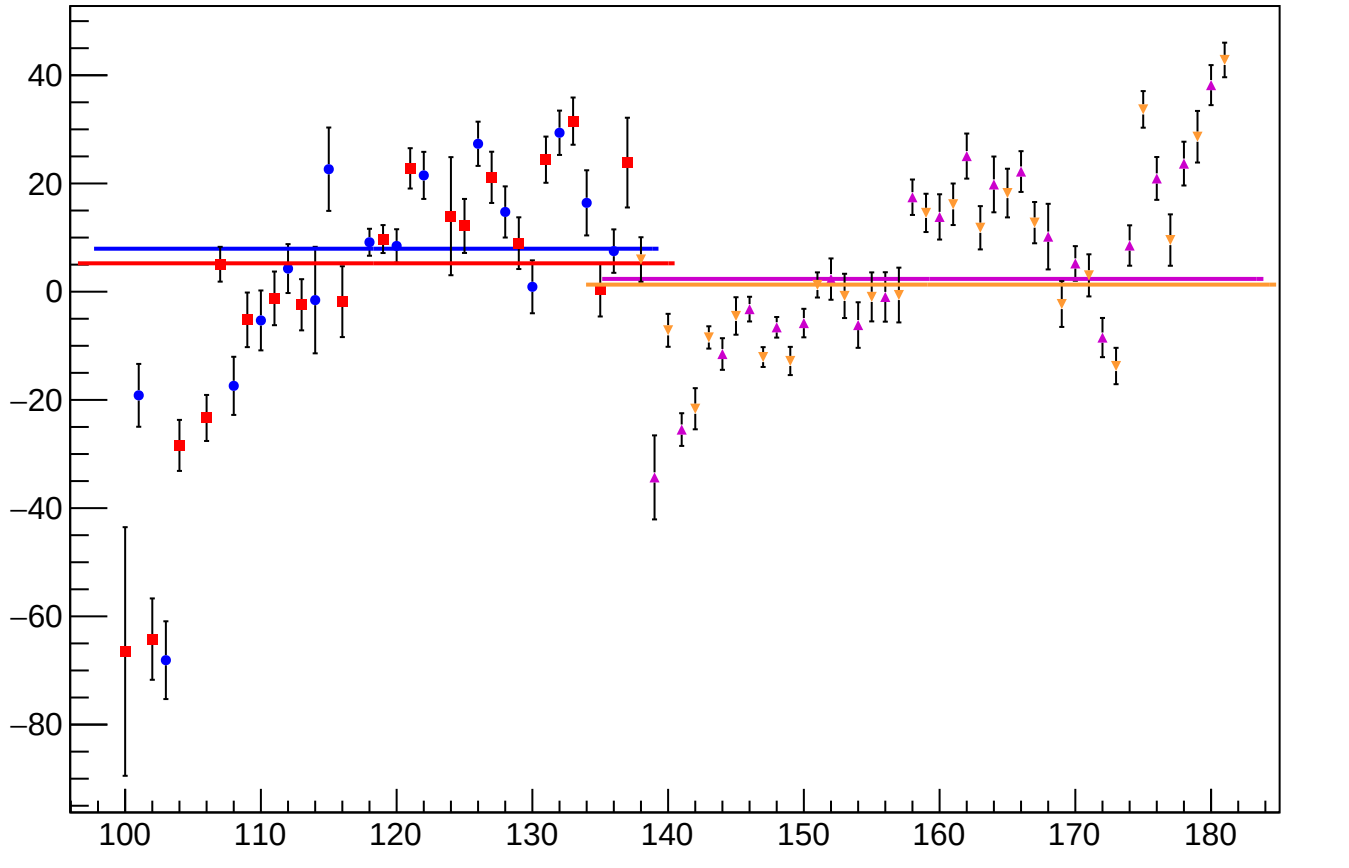
Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 209.882+/-1.027 χ^2/NDF:1476.4/20

+ sign 186.483+/-0.712 χ^2/NDF: 4311.6/38

All: 187.410+/-0.508 χ^2/NDF: 8149.1/78

- sign 188.368+/-0.724 χ^2/NDF: 3834.0/39



Right In: 7.942+/-1.113 χ^2/NDF: 232.9/15

Left Out: 1.308+/-0.683 χ^2/NDF:530.4/22

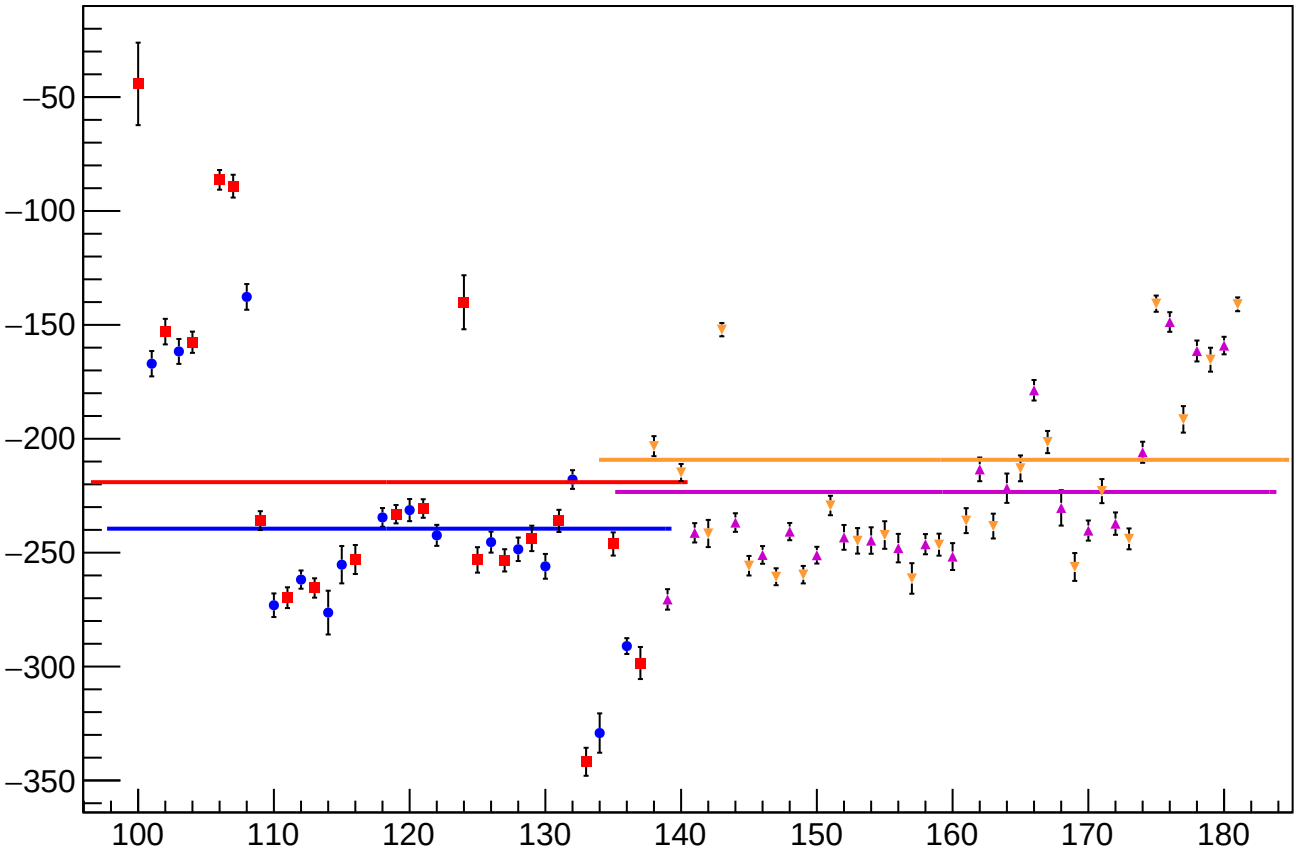
Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

Left In: 2.362+/-0.742 χ^2/NDF:427.3/20

+ sign 3.121+/-0.582 χ^2/NDF: 789.1/38

All: 3.210+/-0.421 χ^2/NDF: 1524.4/78

- sign 3.308+/-0.608 χ^2/NDF: 735.2/39



Right In: -239.468+/-1.245 χ^2/NDF: 1162.2/15

Left Out: -209.237+/-0.935 χ^2/NDF:2240.8/22

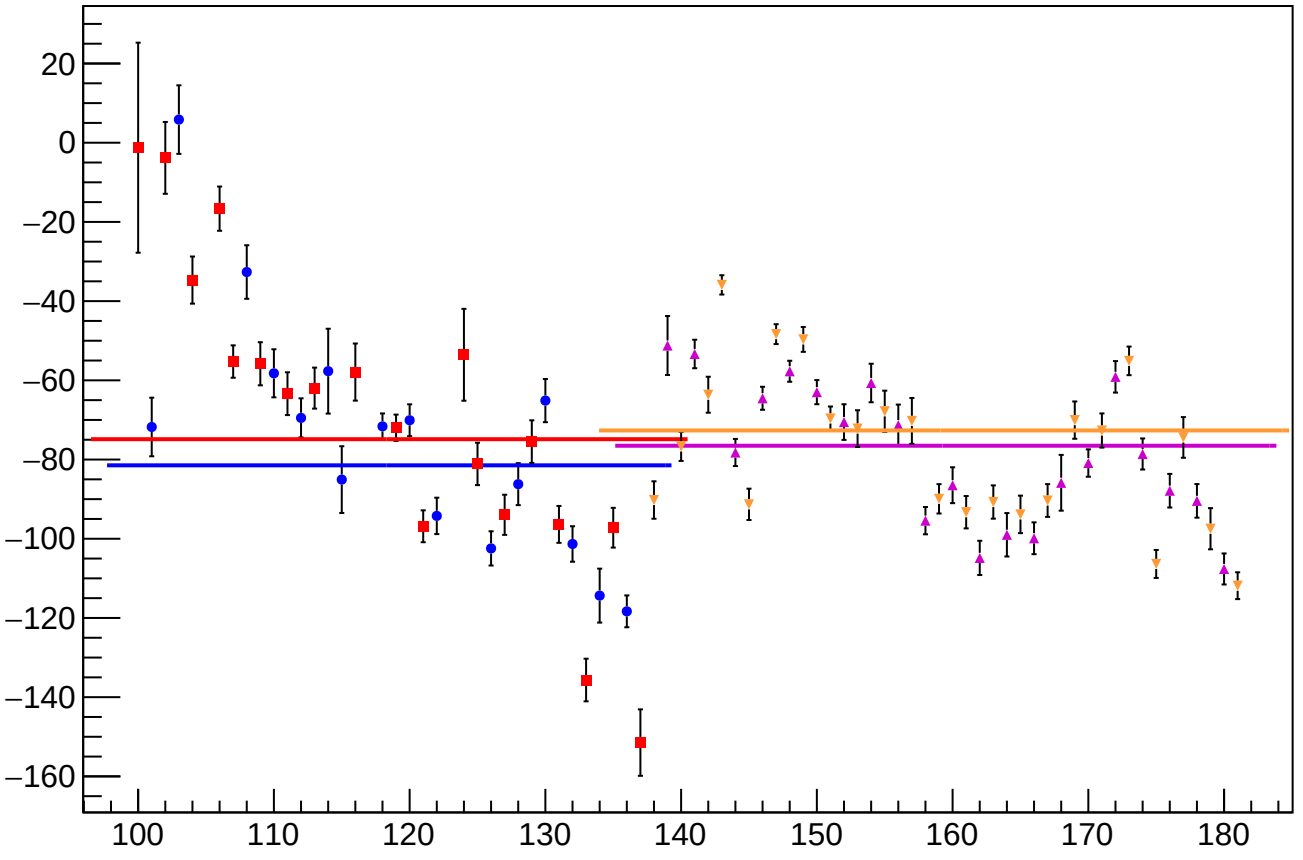
Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -223.356+/-1.011 χ^2/NDF:1260.3/20

+ sign -220.132+/-0.748 χ^2/NDF: 3779.9/38

All: -220.813+/-0.535 χ^2/NDF: 8098.9/78

- sign -221.528+/-0.767 χ^2/NDF: 4317.3/39



Right In: -81.462+/-1.287 χ^2/NDF: 366.5/15

Left Out: -72.653+/-0.792 χ^2/NDF:793.9/22

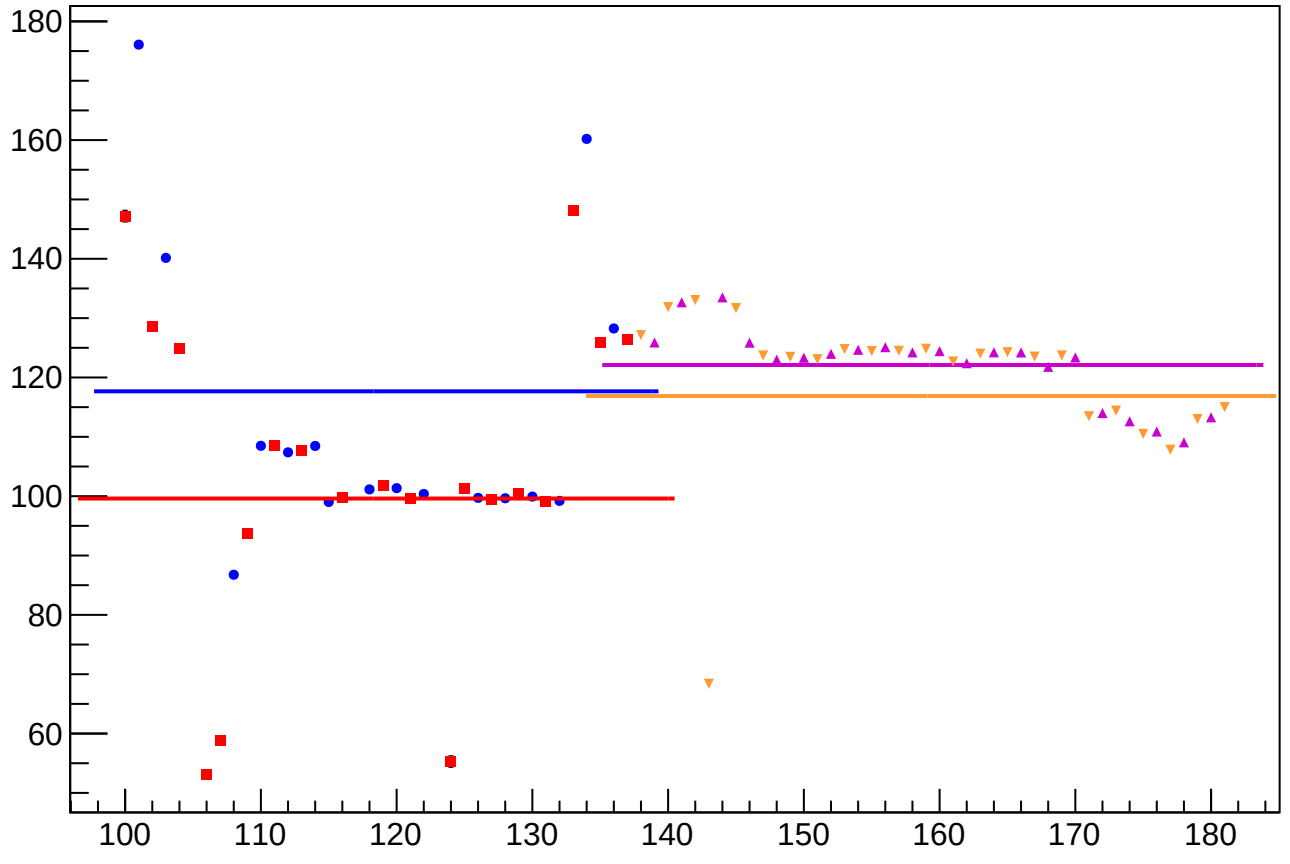
Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -76.512+/-0.855 χ^2/NDF:386.2/20

+ sign -75.074+/-0.675 χ^2/NDF: 1194.4/38

All: -75.506+/-0.486 χ^2/NDF: 2159.2/78

- sign -75.974+/-0.702 χ^2/NDF: 964.0/39



Right In: 117.666+/-0.078 χ^2/NDF: 95397.2/15

Left Out: 116.871+/-0.037 χ^2/NDF:203486.8/22

Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

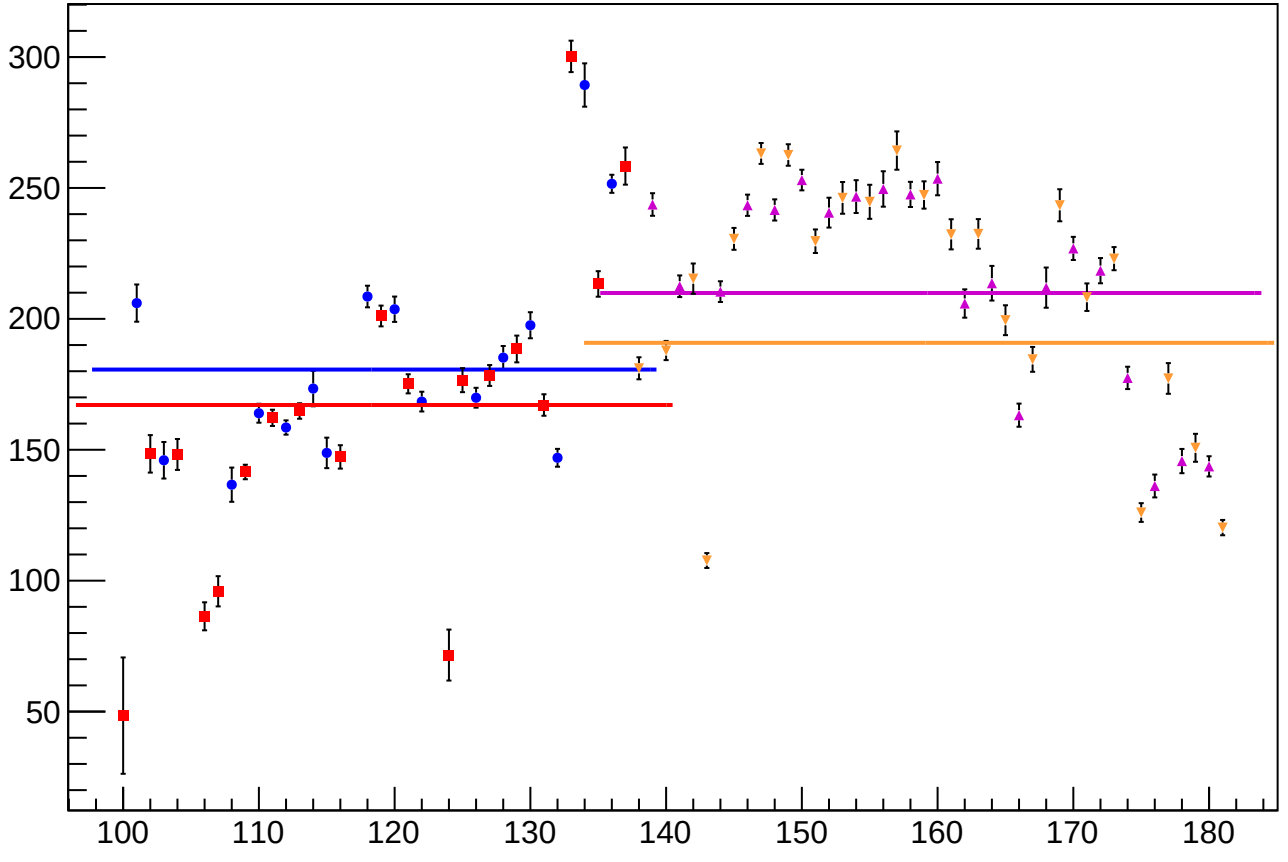
Left In: 122.103+/-0.039 χ^2/NDF:25737.6/20

+ sign 117.018+/-0.034 χ^2/NDF: 298968.2/38

All: 116.905+/-0.024 χ^2/NDF: 569189.2/78

- sign 116.788+/-0.034 χ^2/NDF: 270198.2/39

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm1X_slope vs Slug



Right In: 180.634+/-1.090 χ^2/NDF: 993.4/15

Left Out: 190.845+/-0.941 χ^2/NDF:3267.9/22

Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 209.882+/-1.027 χ^2/NDF:1476.4/20

+ sign 186.483+/-0.712 χ^2/NDF: 4311.6/38

All: 187.410+/-0.508 χ^2/NDF: 8149.1/78

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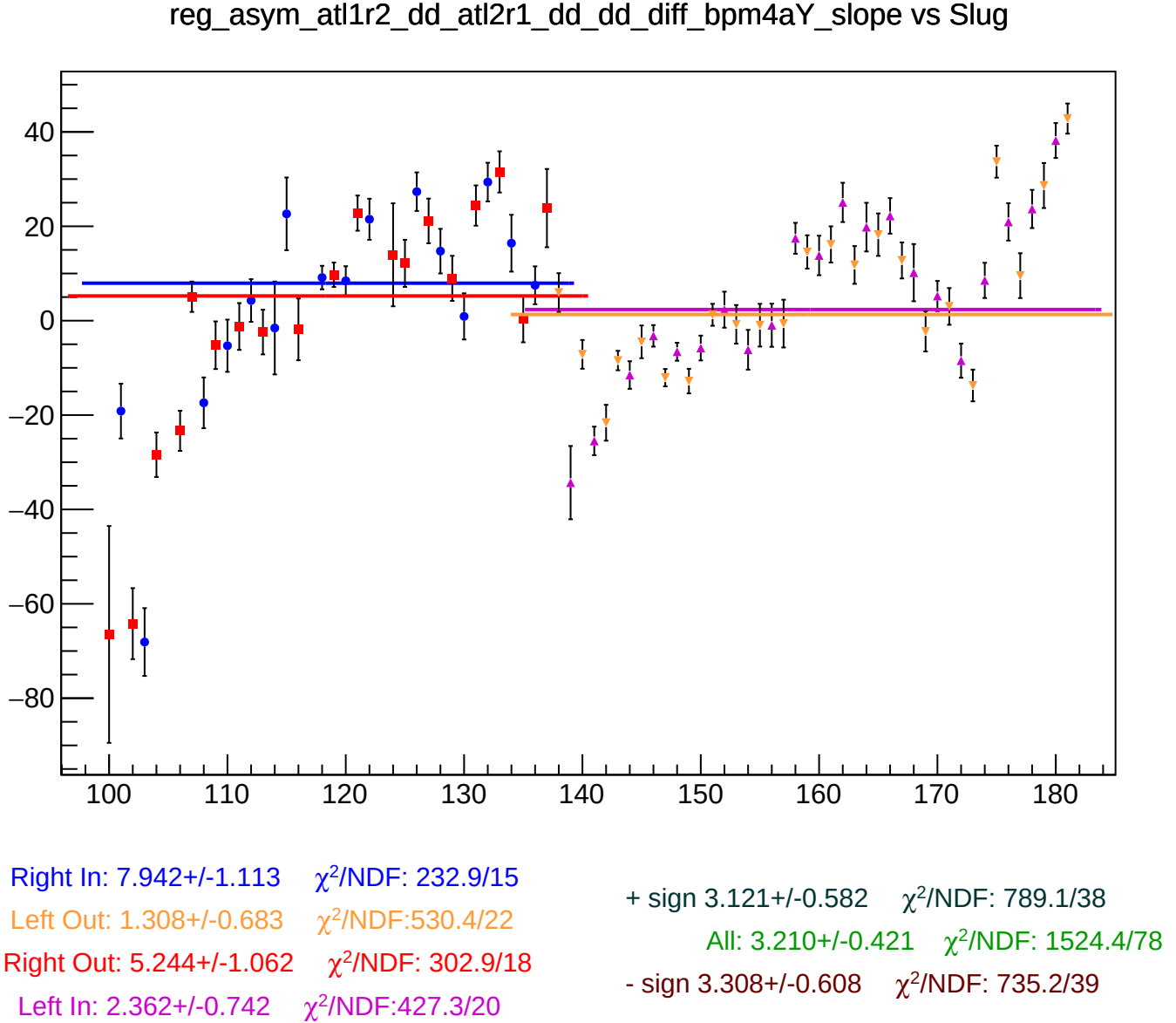
reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4aY_slope vs Slug
40
20
0
−20
−40
−60
−80
100
110
120
130
140
150
160
170
180
Right In: 7.942+/-1.113 χ²/NDF: 232.9/15
Left Out: 1.308+/-0.683 χ²/NDF:530.4/22
Right Out: 5.244+/-1.062 χ²/NDF: 302.9/18
Left In: 2.362+/-0.742 χ²/NDF:427.3/20
+ sign 3.121+/-0.582 χ²/NDF: 789.1/38
All: 3.210+/-0.421 χ²/NDF: 1524.4/78
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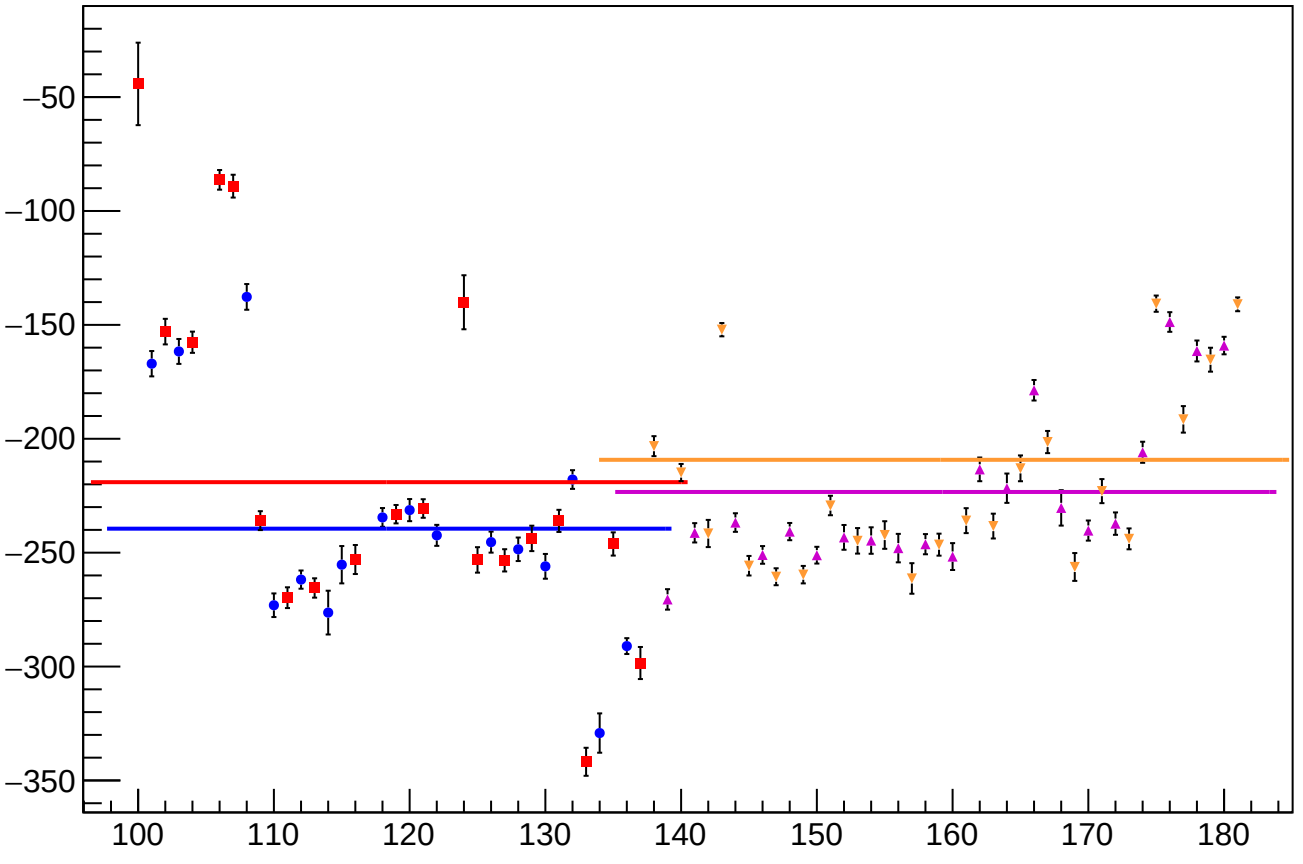


Right In: -239.468+/-1.245 χ^2/NDF: 1162.2/15

Left Out: -209.237+/-0.935 χ^2/NDF:2240.8/22

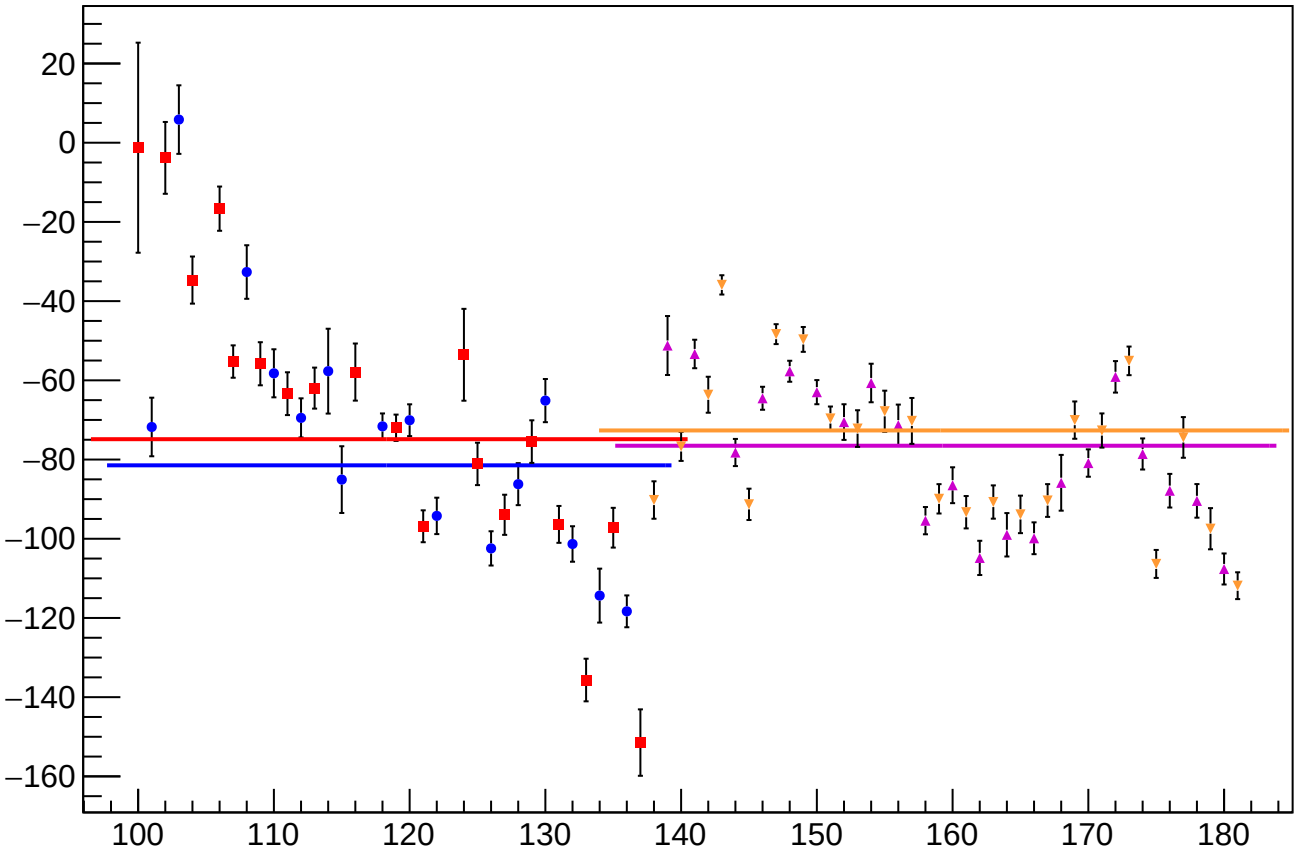
Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -223.356+/-1.011 χ^2/NDF:1260.3/20

\+ sign -220.132+/-0.748 χ^2/NDF: 3779.9/38

All: -220.813+/-0.535 χ^2/NDF: 8098.9/78

\- sign -221.528+/-0.767 χ^2/NDF: 4317.3/39



Right In: -81.462+/-1.287 χ^2/NDF: 366.5/15

Left Out: -72.653+/-0.792 χ^2/NDF:793.9/22

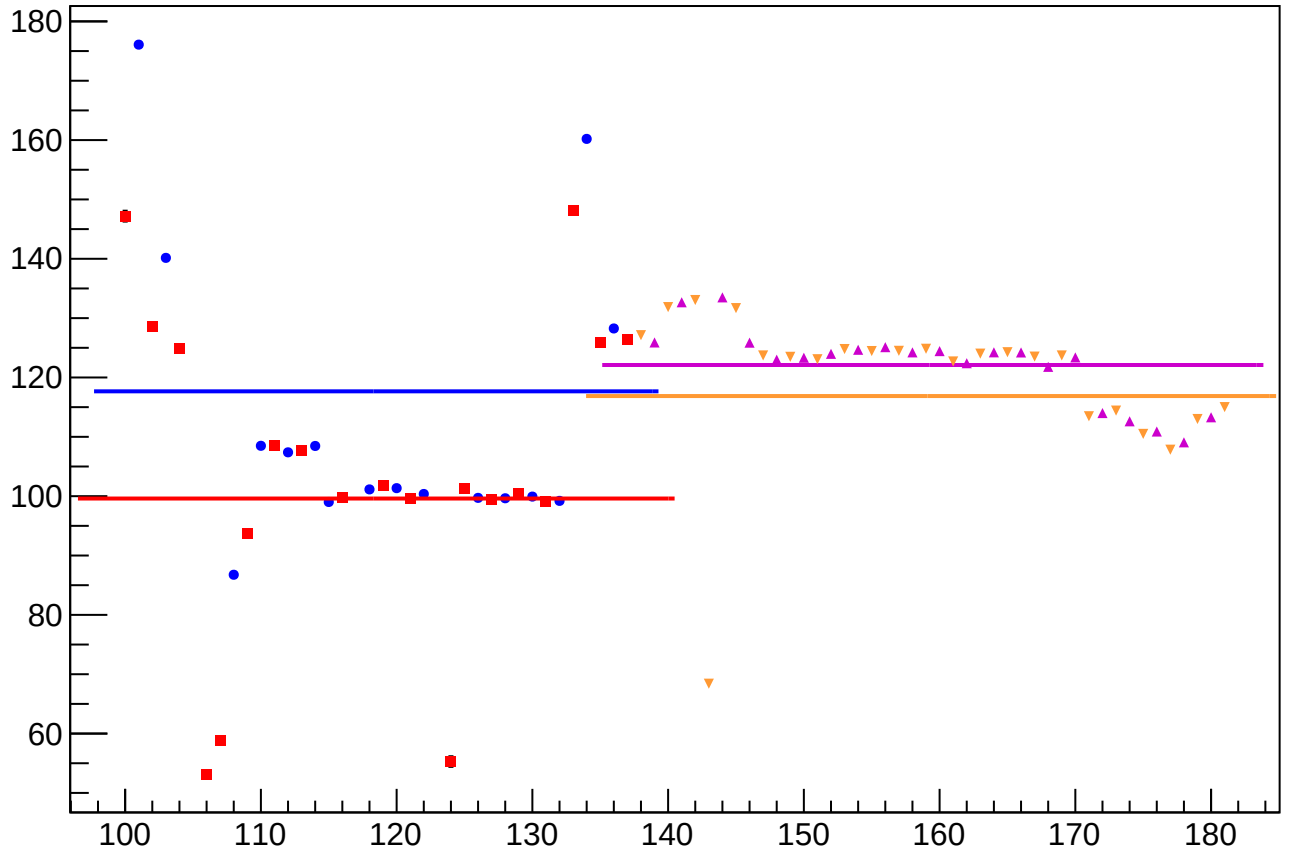
Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -76.512+/-0.855 χ^2/NDF:386.2/20

+ sign -75.074+/-0.675 χ^2/NDF: 1194.4/38

All: -75.506+/-0.486 χ^2/NDF: 2159.2/78

- sign -75.974+/-0.702 χ^2/NDF: 964.0/39



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Left Out: 116.871+/-0.037 χ^2/NDF:203486.8/22

Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

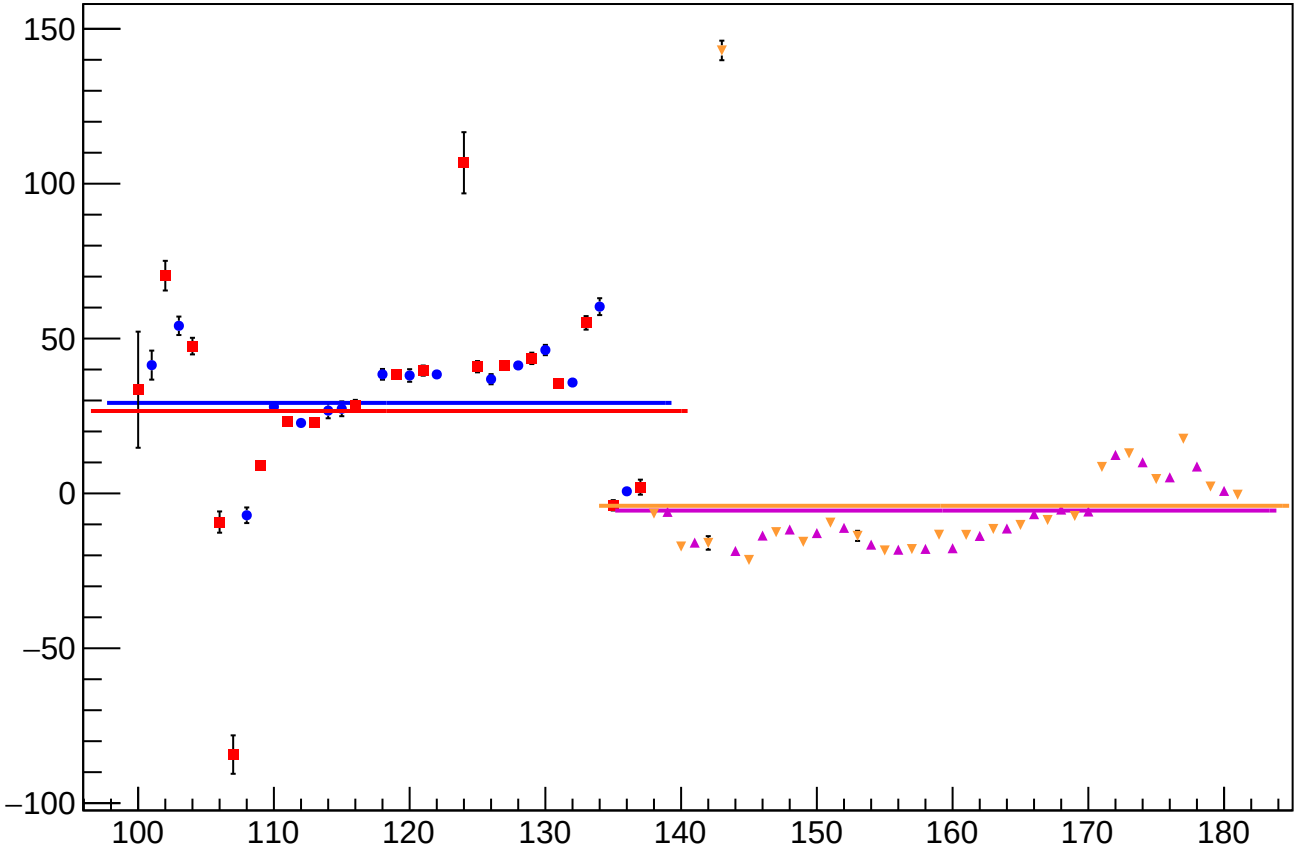
Left In: 122.103+/-0.039 χ^2/NDF:25737.6/20

+ sign 117.018+/-0.034 χ^2/NDF: 298968.2/38

All: 116.905+/-0.024 χ^2/NDF: 569189.2/78

- sign 116.788+/-0.034 χ^2/NDF: 270198.2/39

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm1X_slope vs Slug



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Left Out: -3.994+/-0.279 χ^2/NDF:3582.5/22

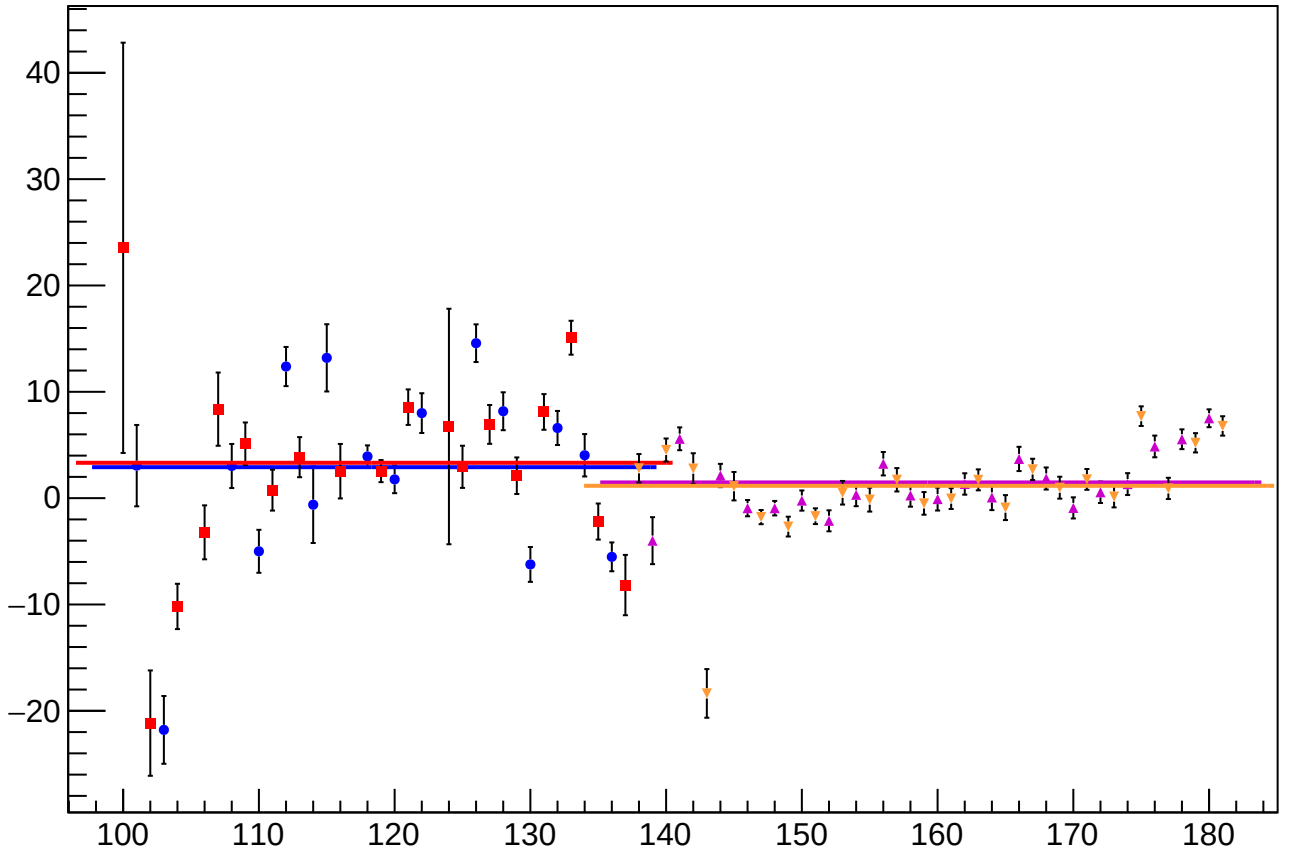
Right Out: 26.609+/-0.414 χ^2/NDF: 1920.6/18

Left In: -5.542+/-0.287 χ^2/NDF:1195.7/20

+ sign 6.043+/-0.233 χ^2/NDF: 9204.8/38

All: 5.466+/-0.166 χ^2/NDF: 16408.5/78

- sign 4.877+/-0.236 χ^2/NDF: 7191.3/39



Right In: 2.912+/-0.442 χ^2/NDF: 250.0/15

Left Out: 1.160+/-0.211 χ^2/NDF:258.1/22

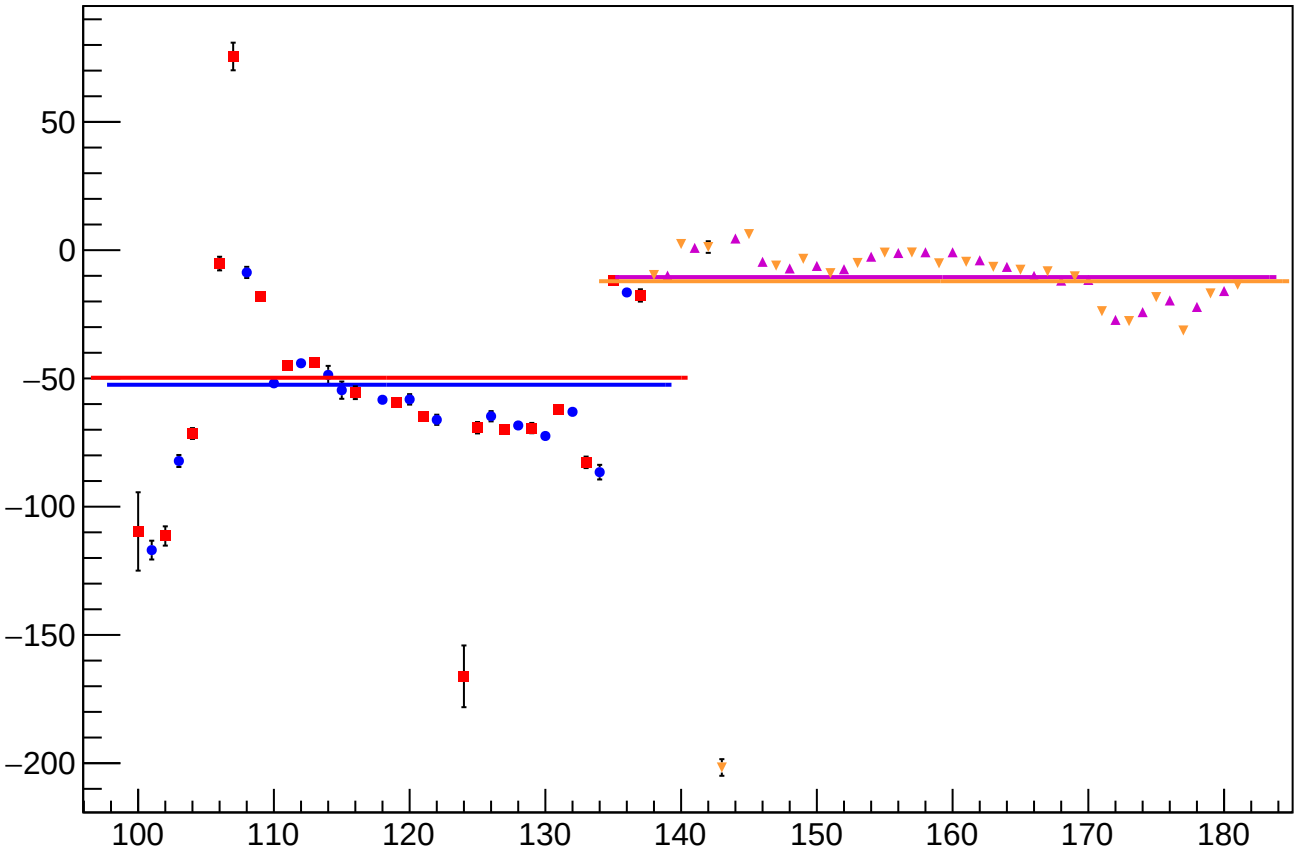
Right Out: 3.326+/-0.454 χ^2/NDF: 181.8/18

Left In: 1.478+/-0.217 χ^2/NDF:161.1/20

\+ sign 1.484+/-0.190 χ^2/NDF: 520.8/38

All: 1.648+/-0.136 χ^2/NDF: 878.7/78

\- sign 1.823+/-0.196 χ^2/NDF: 356.4/39



Right In: -52.467+/-0.488 χ^2/NDF: 2330.2/15

Left Out: -12.105+/-0.276 χ^2/NDF:4518.3/22

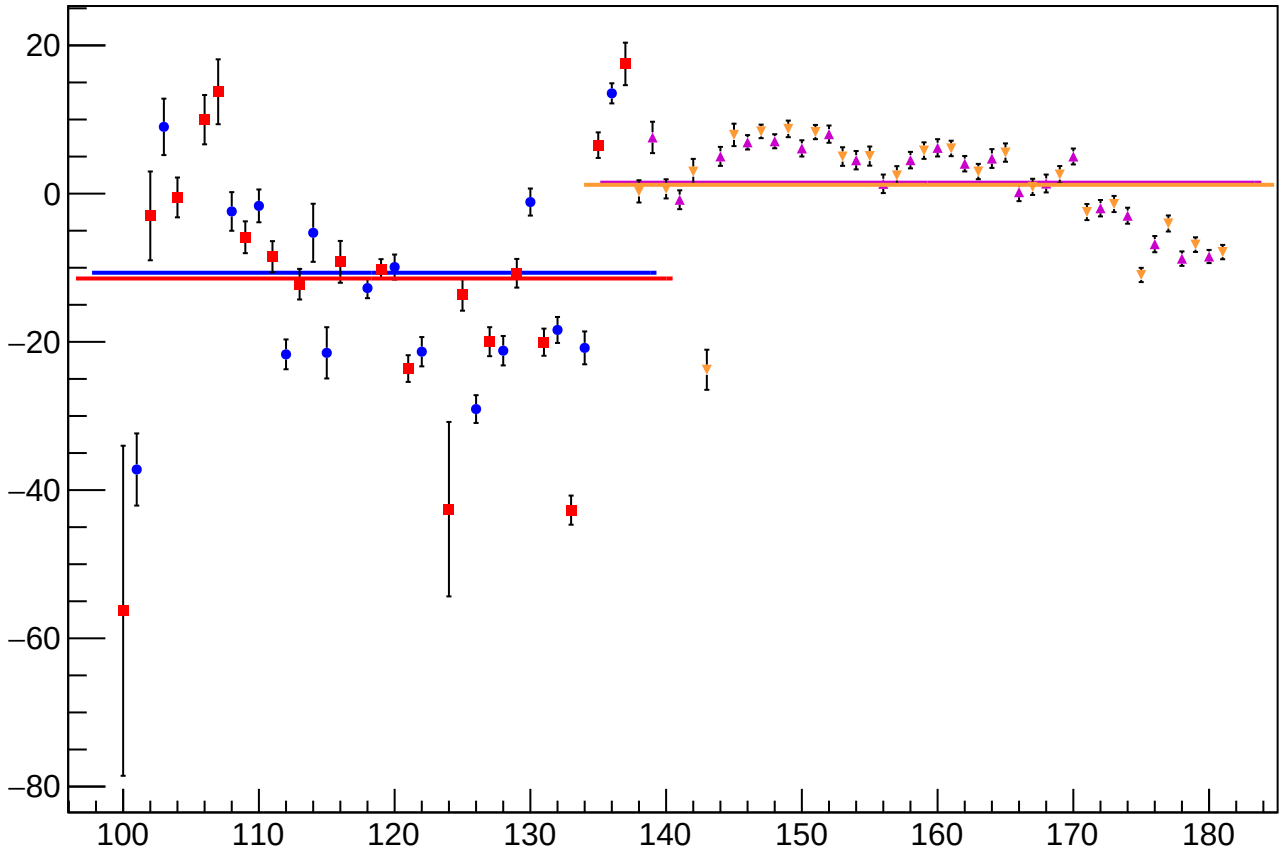
Right Out: -49.734+/-0.494 χ^2/NDF: 3009.7/18

Left In: -10.493+/-0.283 χ^2/NDF:891.4/20

+ sign -21.892+/-0.240 χ^2/NDF: 12035.0/38

All: -21.048+/-0.172 χ^2/NDF: 20715.0/78

- sign -20.166+/-0.245 χ^2/NDF: 8654.7/39



Right In: -10.675+/-0.505 χ^2/NDF: 666.4/15

Left Out: 1.190+/-0.239 χ^2/NDF:699.4/22

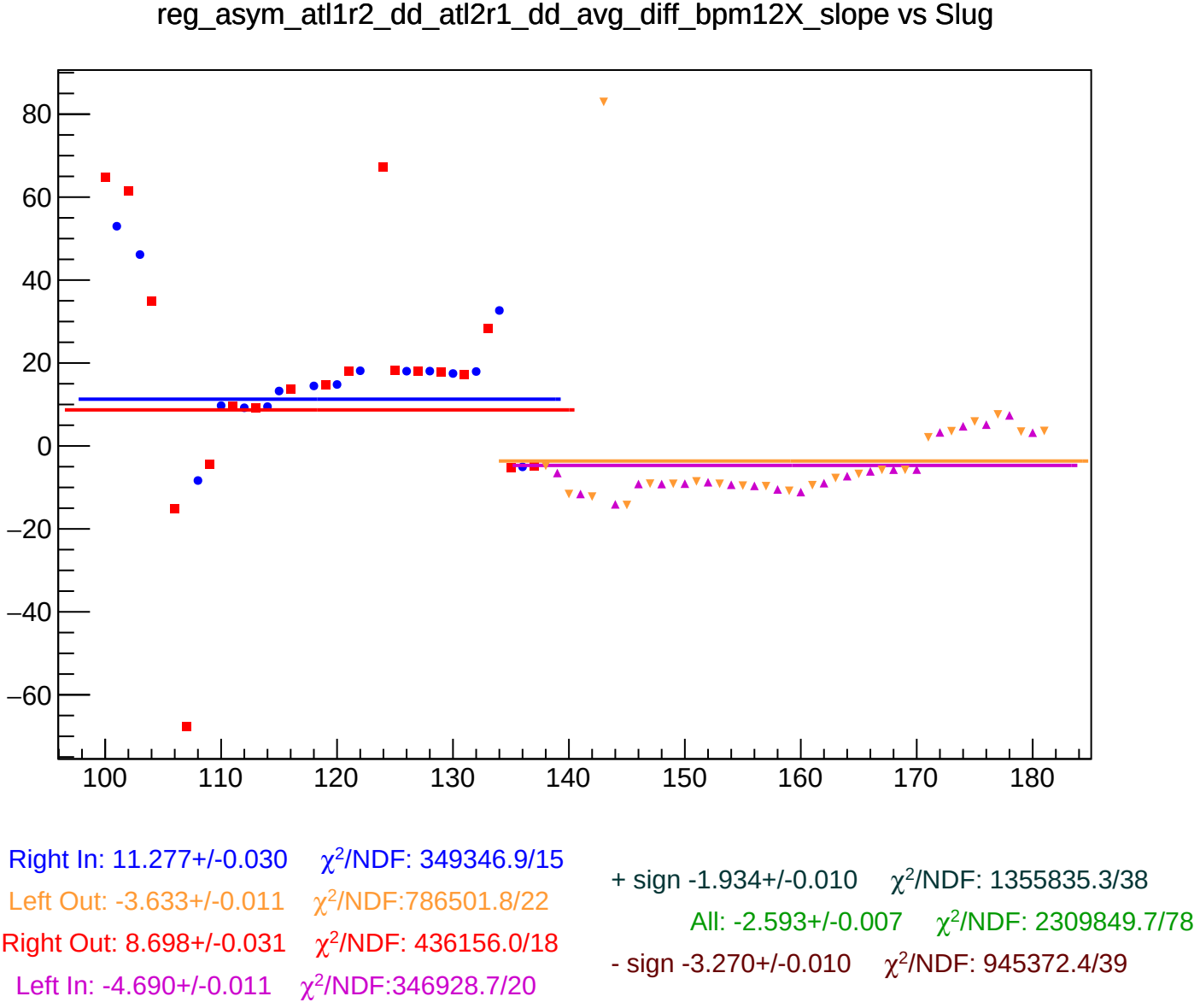
Right Out: -11.450+/-0.516 χ^2/NDF: 665.7/18

Left In: 1.478+/-0.245 χ^2/NDF:510.0/20

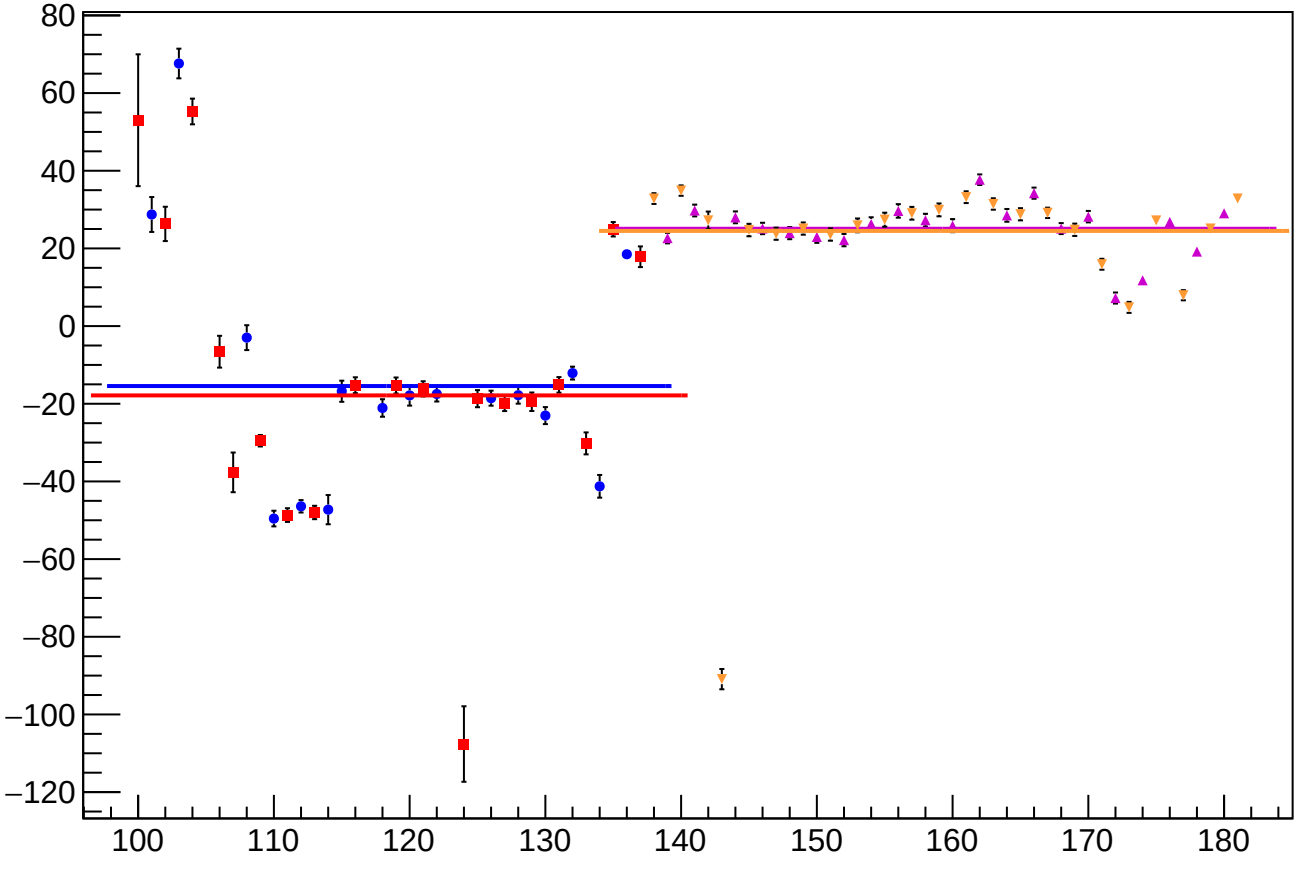
+ sign -0.976+/-0.216 χ^2/NDF: 1816.2/38

All: -0.940+/-0.155 χ^2/NDF: 3503.9/78

- sign -0.903+/-0.221 χ^2/NDF: 1687.7/39


reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm12X_slope vs Slug
80
60
40
20
0
−20
−40
−60
100
110
120
130
140
150
160
170
180
Right In: 11.277+/-0.030 χ²/NDF: 349346.9/15
Left Out: -3.633+/-0.011 χ²/NDF:786501.8/22
Right Out: 8.698+/-0.031 χ²/NDF: 436156.0/18
Left In: -4.690+/-0.011 χ²/NDF:346928.7/20
+ sign -1.934+/-0.010 χ²/NDF: 1355835.3/38
All: -2.593+/-0.007 χ²/NDF: 2309849.7/78
- sign -3.270+/-0.010 χ²/NDF: 945372.4/39

reg_asym_at1_dd_at2_dd_avg_diff_bpm1X_slope vs Slug



Right In: -15.438+/-0.539 χ^2/NDF: 2124.2/15

Left Out: 24.502+/-0.297 χ^2/NDF:2634.5/22

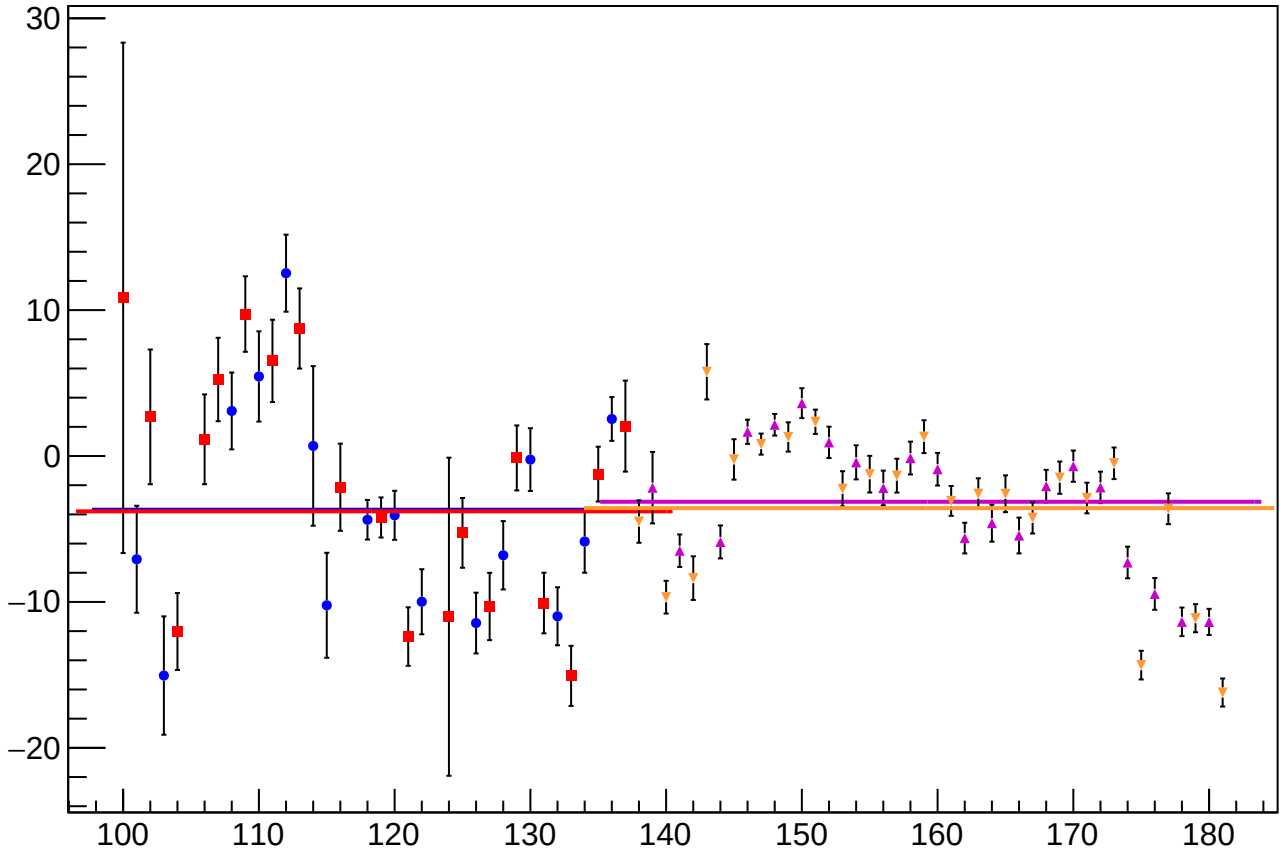
Right Out: -17.848+/-0.530 χ^2/NDF: 2125.2/18

Left In: 25.063+/-0.306 χ^2/NDF:489.2/20

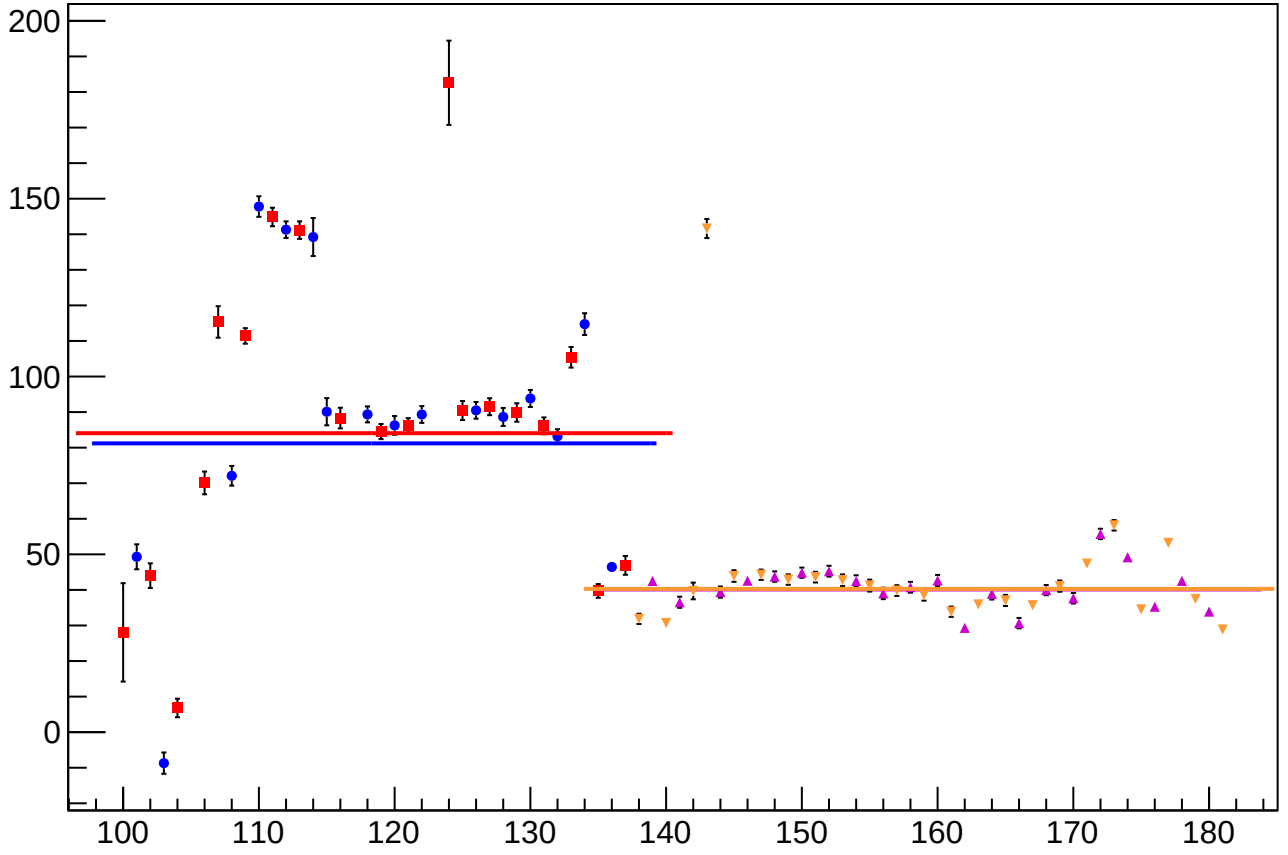
\+ sign 15.185+/-0.260 χ^2/NDF: 8968.1/38

All: 14.755+/-0.186 χ^2/NDF: 16507.4/78

\- sign 14.310+/-0.265 χ^2/NDF: 7533.8/39


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: -3.571+/-0.225 χ²/NDF:576.8/22
Right Out: -3.790+/-0.564 χ²/NDF: 161.2/18
Left In: -3.134+/-0.232 χ²/NDF:395.6/20
+ sign -3.586+/-0.208 χ²/NDF: 700.8/38
All: -3.413+/-0.149 χ²/NDF: 1260.2/78
- sign -3.229+/-0.215 χ²/NDF: 558.0/39

reg_asym_at1_dd_at2_dd_avg_diff_bpm4eX_slope vs Slug



Right In: 81.203+/-0.607 χ^2/NDF: 3230.5/15

Left Out: 40.289+/-0.294 χ^2/NDF:2042.6/22

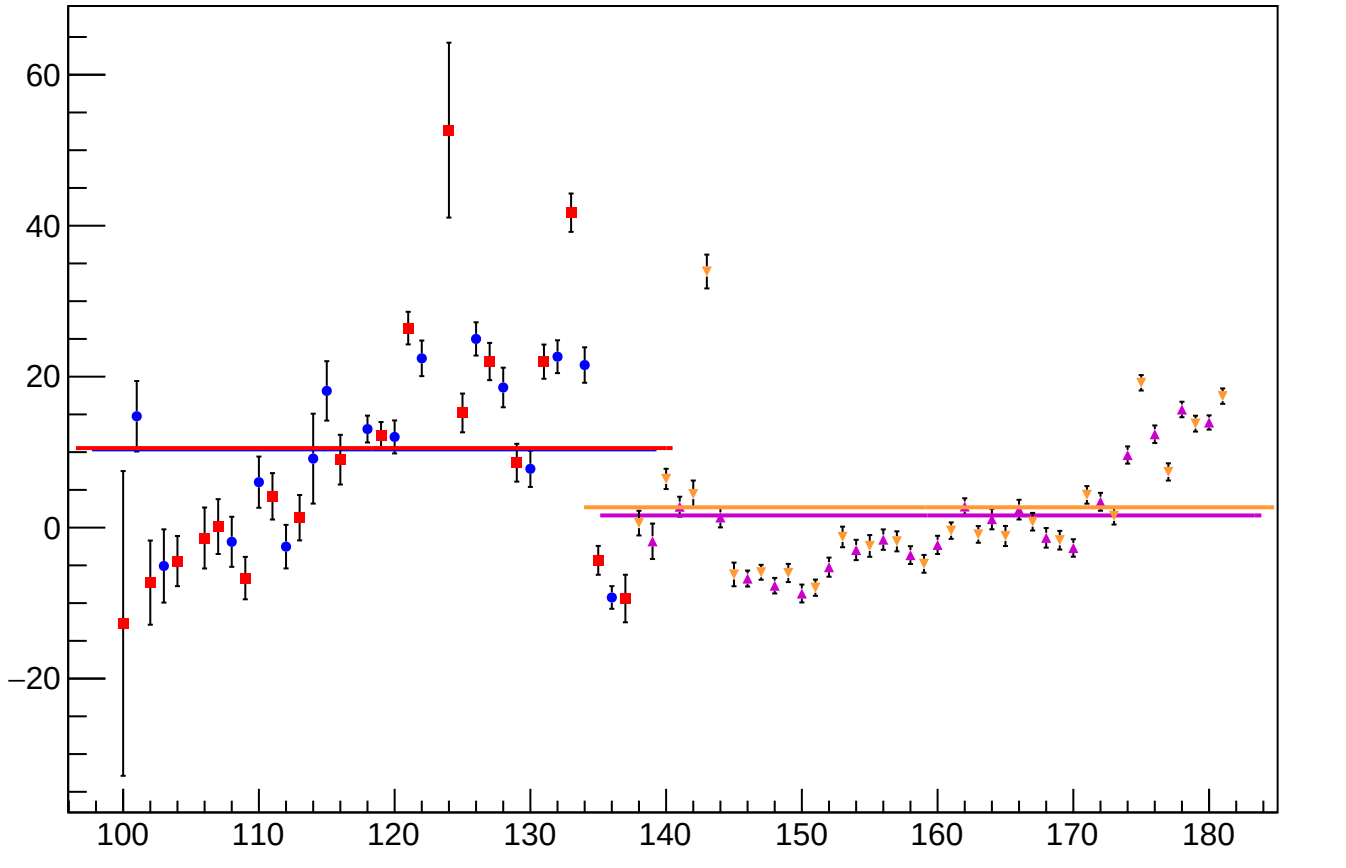
Right Out: 84.065+/-0.616 χ^2/NDF: 3206.5/18

Left In: 40.124+/-0.302 χ^2/NDF:387.2/20

+ sign 48.069+/-0.265 χ^2/NDF: 8951.8/38

All: 48.342+/-0.189 χ^2/NDF: 16647.5/78

- sign 48.629+/-0.271 χ^2/NDF: 7693.5/39



Right In: 10.367+/-0.627 χ^2/NDF: 359.8/15

Left Out: 2.692+/-0.255 χ^2/NDF:1175.6/22

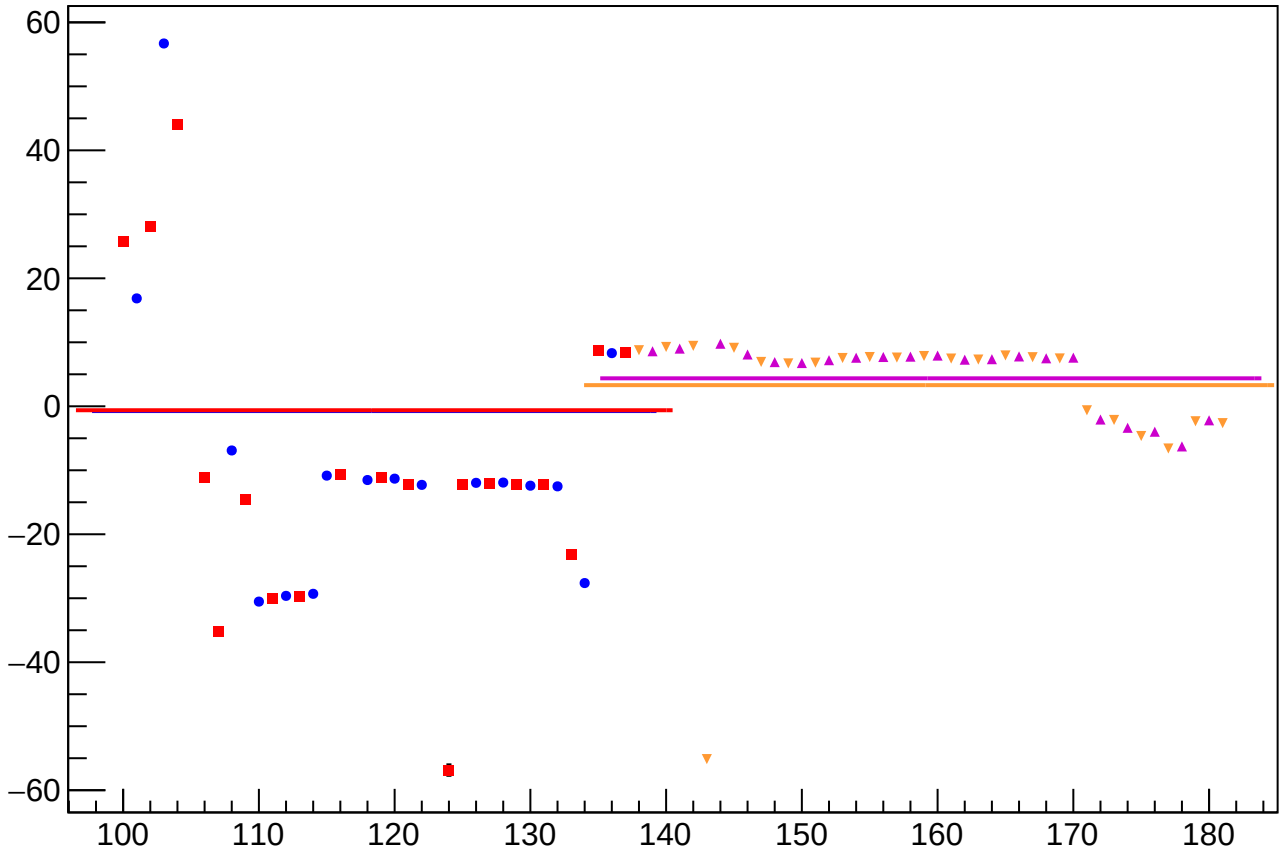
Right Out: 10.539+/-0.640 χ^2/NDF: 470.7/18

Left In: 1.614+/-0.262 χ^2/NDF:814.6/20

+ sign 3.782+/-0.236 χ^2/NDF: 1664.1/38

All: 3.348+/-0.169 χ^2/NDF: 3122.9/78

- sign 2.891+/-0.242 χ^2/NDF: 1451.8/39



Right In: -0.745+/-0.036 χ^2/NDF: 367993.9/15

Left Out: 3.304+/-0.011 χ^2/NDF:494519.4/22

Right Out: -0.618+/-0.037 χ^2/NDF: 316492.6/18

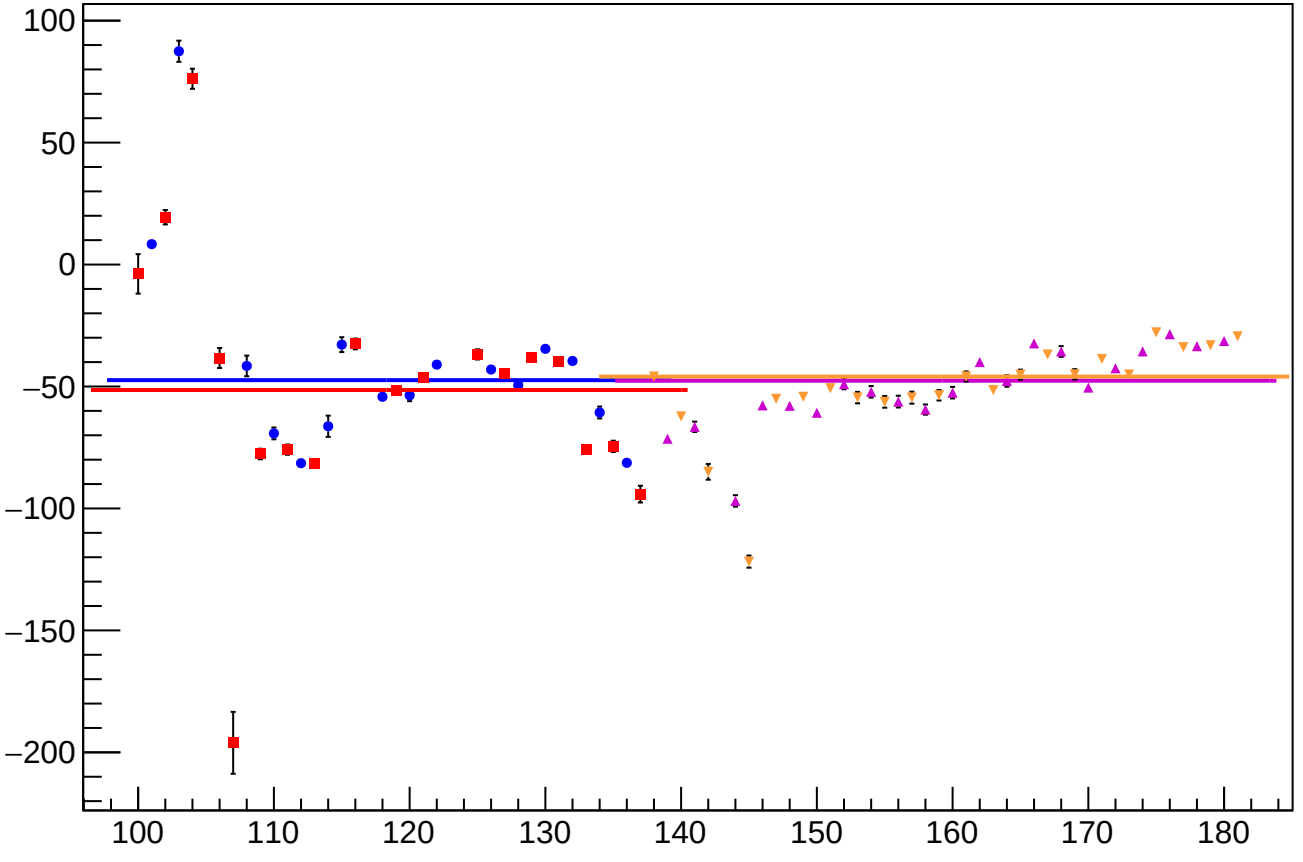
Left In: 4.370+/-0.012 χ^2/NDF:205712.3/20

+ sign 2.929+/-0.011 χ^2/NDF: 874067.2/38

All: 3.424+/-0.008 χ^2/NDF: 1416722.8/78

- sign 3.932+/-0.011 χ^2/NDF: 538488.1/39

reg_asym_usl_atl1_avg_diff_bpm1X_slope vs Slug



Right In: -47.398+/-0.535 χ^2/NDF: 2769.0/15

Left Out: -45.935+/-0.405 χ^2/NDF:1763.4/21

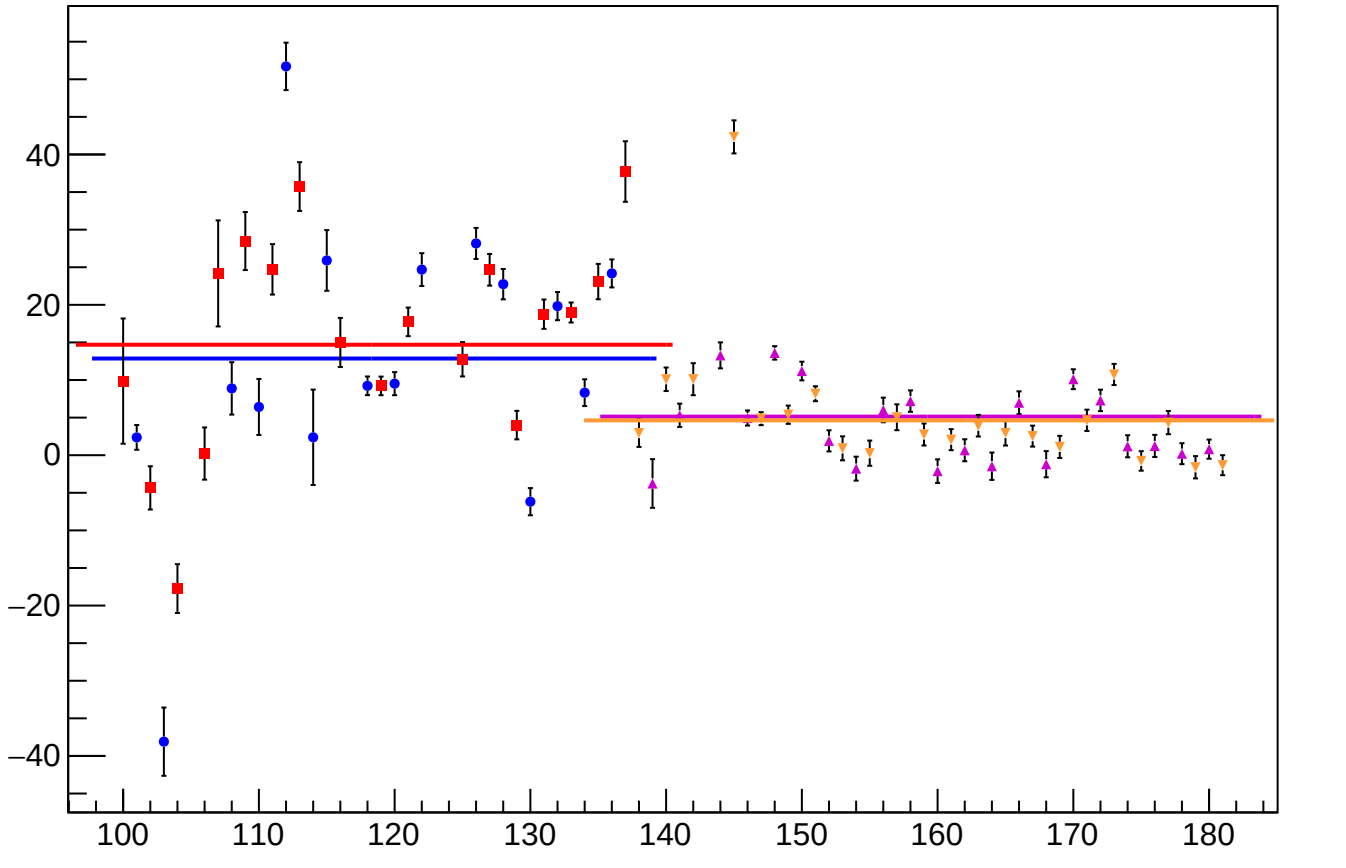
Right Out: -51.442+/-0.545 χ^2/NDF: 2872.7/17

Left In: -47.628+/-0.413 χ^2/NDF:1411.0/20

+ sign -46.468+/-0.323 χ^2/NDF: 4537.2/37

All: -47.718+/-0.231 χ^2/NDF: 8882.7/76

- sign -49.020+/-0.329 χ^2/NDF: 4314.9/38



Right In: 12.860+/-0.519 χ^2/NDF: 625.5/15

Left Out: 4.631+/-0.300 χ^2/NDF:427.3/21

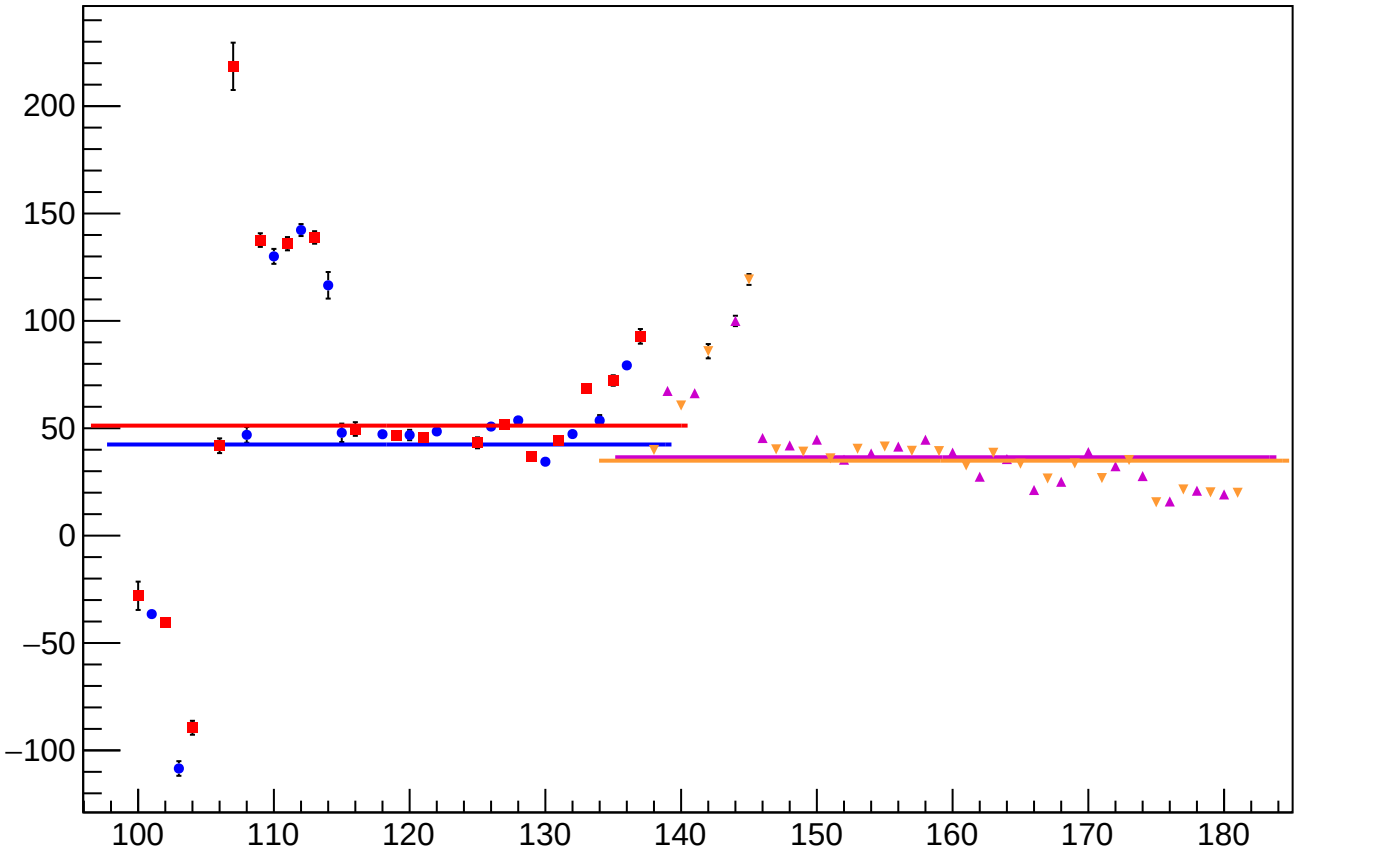
Right Out: 14.691+/-0.544 χ^2/NDF: 364.1/17

Left In: 5.132+/-0.308 χ^2/NDF:283.0/20

+ sign 6.697+/-0.260 χ^2/NDF: 1241.3/37

All: 7.061+/-0.187 χ^2/NDF: 2126.2/76

- sign 7.448+/-0.268 χ^2/NDF: 880.8/38



Right In: 42.437+/-0.584 χ^2/NDF: 7168.9/15

Left Out: 34.906+/-0.399 χ^2/NDF:2101.3/21

Right Out: 51.226+/-0.615 χ^2/NDF: 6611.3/17

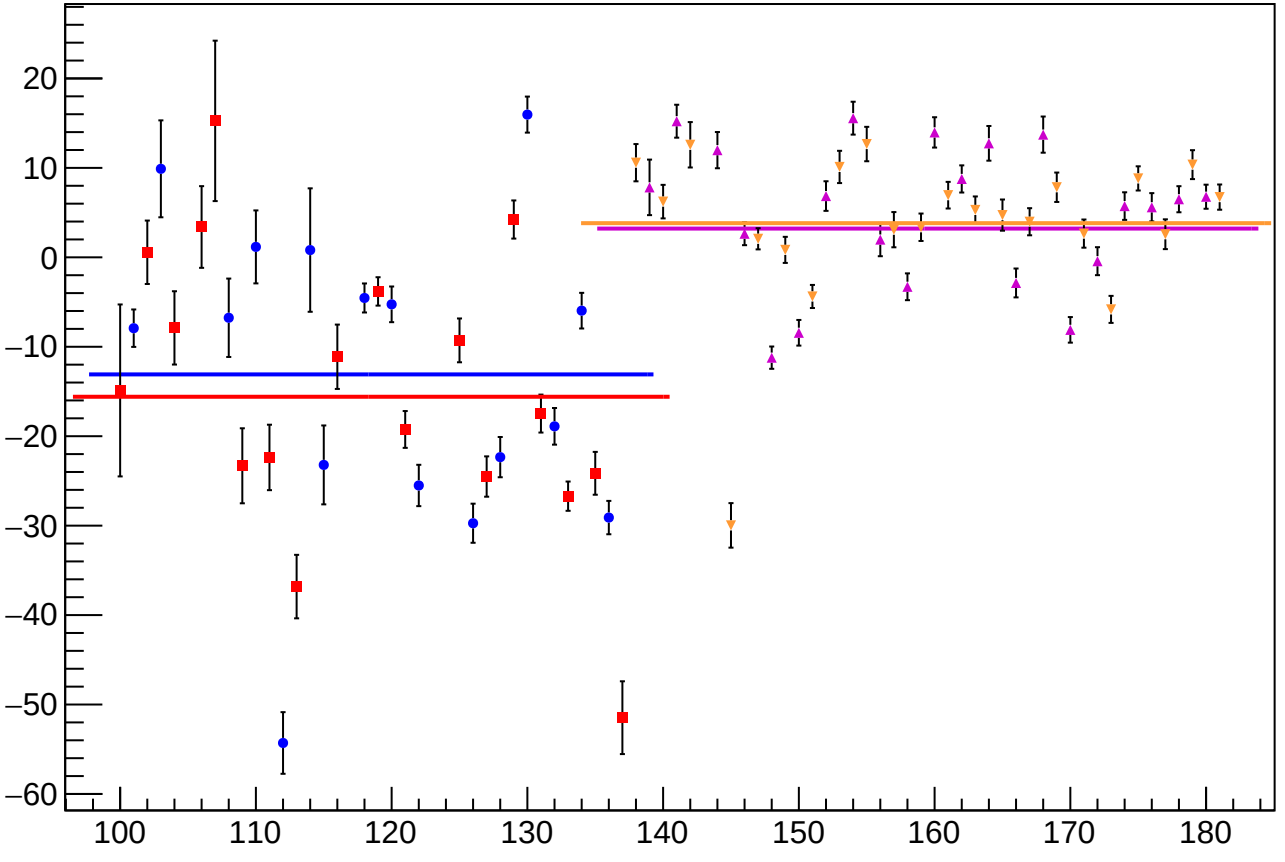
Left In: 36.491+/-0.407 χ^2/NDF:1822.7/20

+ sign 37.305+/-0.330 χ^2/NDF: 9383.4/37

All: 39.089+/-0.236 χ^2/NDF: 18277.1/76

- sign 40.977+/-0.339 χ^2/NDF: 8833.5/38

reg_asym_usl_atl1_avg_diff_bpm4eY_slope vs Slug



Right In: -13.090+/-0.600 χ^2/NDF: 639.9/15

Left Out: 3.820+/-0.342 χ^2/NDF:376.3/21

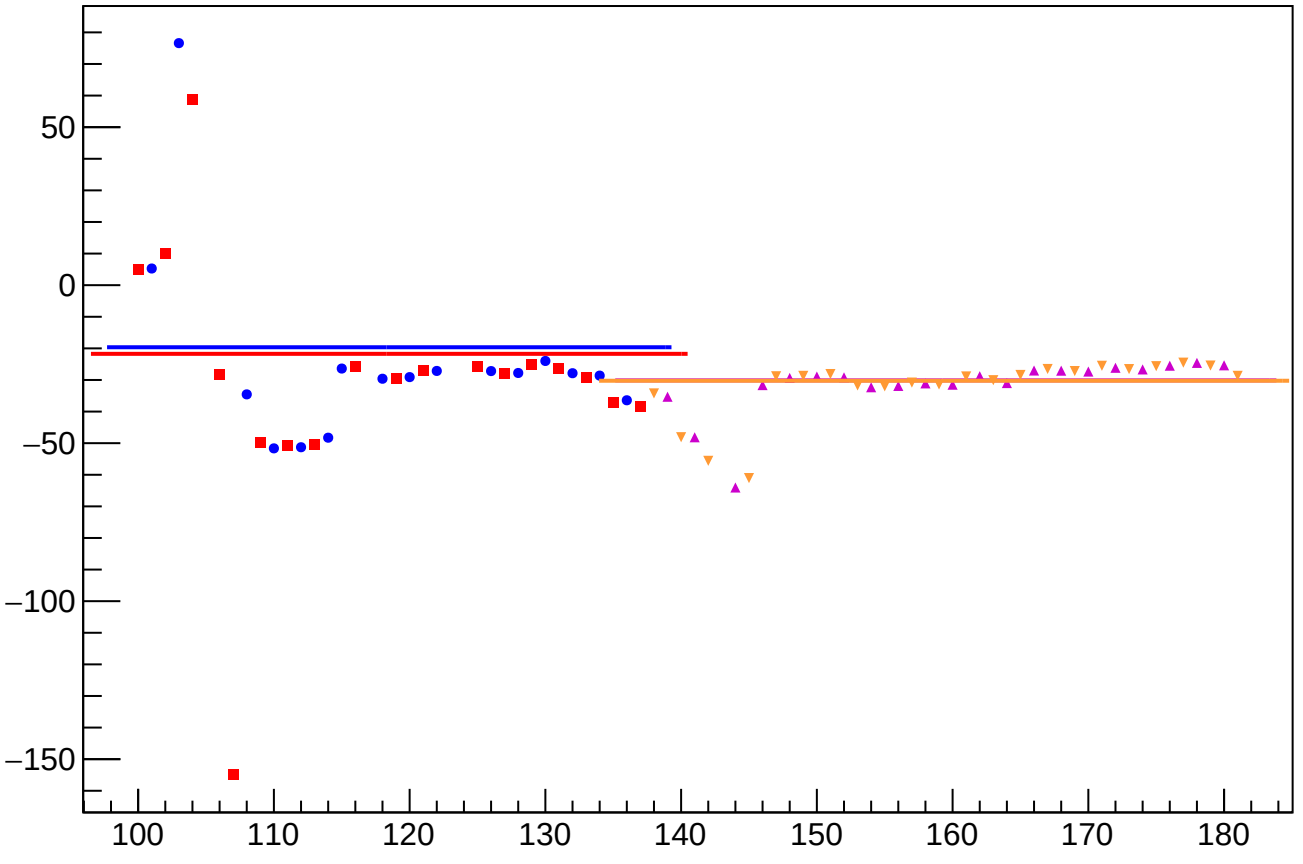
Right Out: -15.589+/-0.627 χ^2/NDF: 401.8/17

Left In: 3.214+/-0.349 χ^2/NDF:536.9/20

+ sign -0.336+/-0.297 χ^2/NDF: 1615.8/37

All: -0.777+/-0.213 χ^2/NDF: 3245.6/76

- sign -1.242+/-0.305 χ^2/NDF: 1625.3/38



Right In: -19.644+/-0.036 χ^2/NDF: 646925.7/15

Left Out: -30.244+/-0.016 χ^2/NDF:211597.2/21

Right Out: -21.730+/-0.039 χ^2/NDF: 546659.9/17

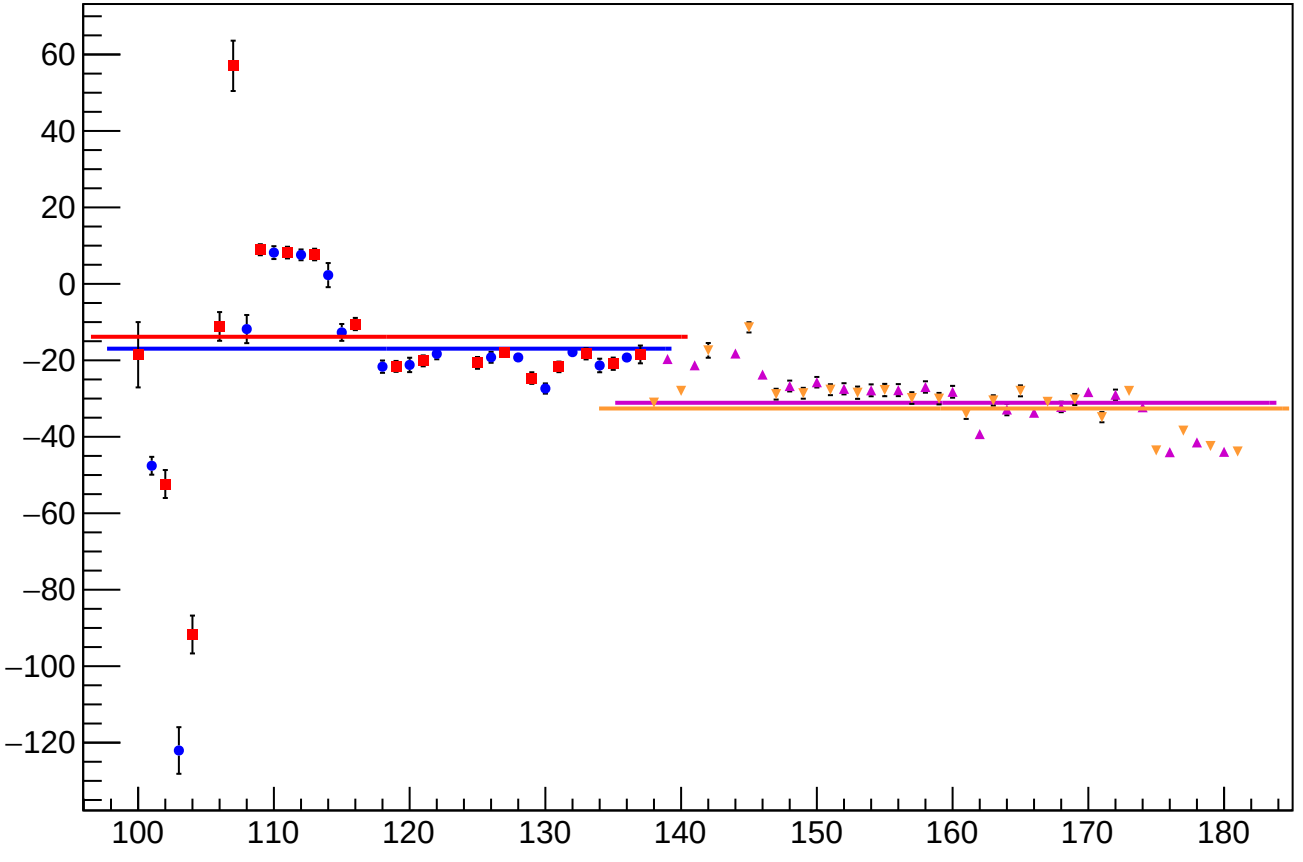
Left In: -30.127+/-0.016 χ^2/NDF:177714.7/20

+ sign -28.582+/-0.014 χ^2/NDF: 931172.8/37

All: -28.769+/-0.010 χ^2/NDF: 1696052.0/76

- sign -28.962+/-0.014 χ^2/NDF: 764529.7/38

reg_asym_usl_atl1_dd_diff_bpm1X_slope vs Slug



Right In: -16.949+/-0.404 χ^2/NDF: 1128.2/15

Left Out: -32.599+/-0.276 χ^2/NDF:819.9/21

Right Out: -13.837+/-0.409 χ^2/NDF: 1333.2/17

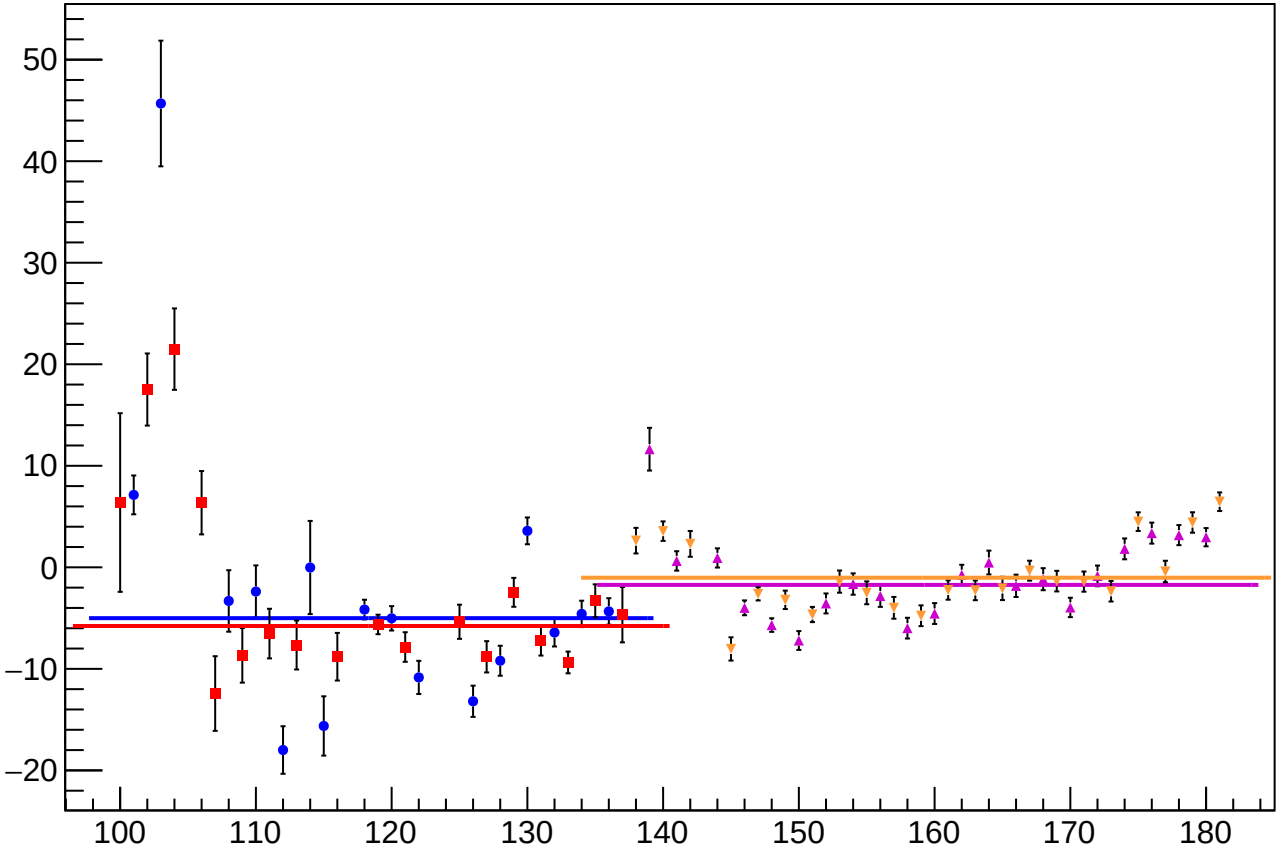
Left In: -31.103+/-0.283 χ^2/NDF:797.8/20

\+ sign -27.608+/-0.228 χ^2/NDF: 2970.8/37

All: -26.584+/-0.163 χ^2/NDF: 6347.4/76

\- sign -25.518+/-0.233 χ^2/NDF: 3335.4/38

reg_asym_usl_atl1_dd_diff_bpm4aY_slope vs Slug



Right In: -5.006+/-0.401 χ^2/NDF: 247.8/15

Left Out: -1.022+/-0.208 χ^2/NDF:272.4/21

Right Out: -5.779+/-0.419 χ^2/NDF: 139.3/17

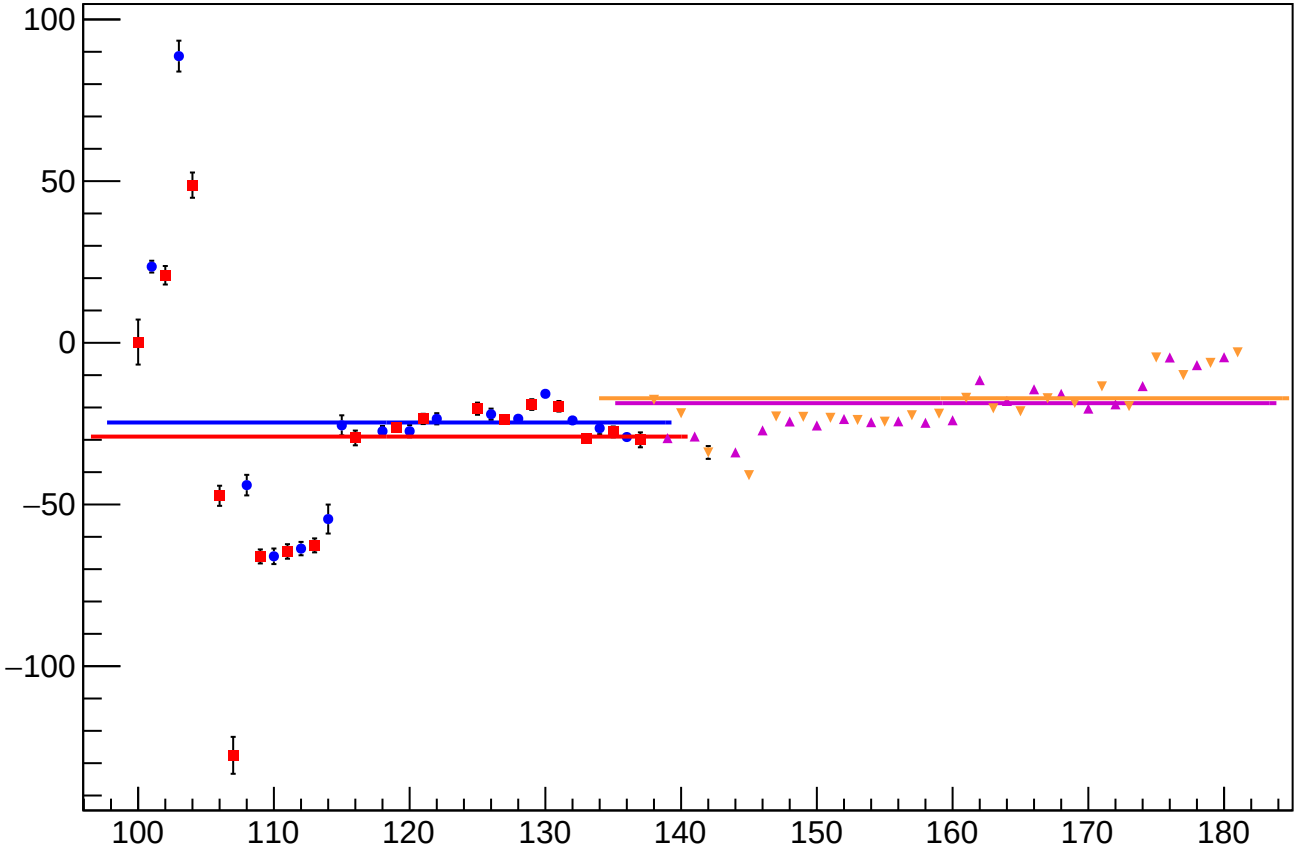
Left In: -1.731+/-0.213 χ^2/NDF:262.3/20

+ sign -1.866+/-0.185 χ^2/NDF: 597.8/37

All: -2.204+/-0.132 χ^2/NDF: 1080.4/76

- sign -2.561+/-0.190 χ^2/NDF: 475.7/38

reg_asym_usl_atl1_dd_diff_bpm4eX_slope vs Slug



Right In: -24.641+/-0.455 χ^2/NDF: 2051.8/15

Left Out: -17.144+/-0.273 χ^2/NDF:1110.5/21

Right Out: -29.002+/-0.475 χ^2/NDF: 1952.3/17

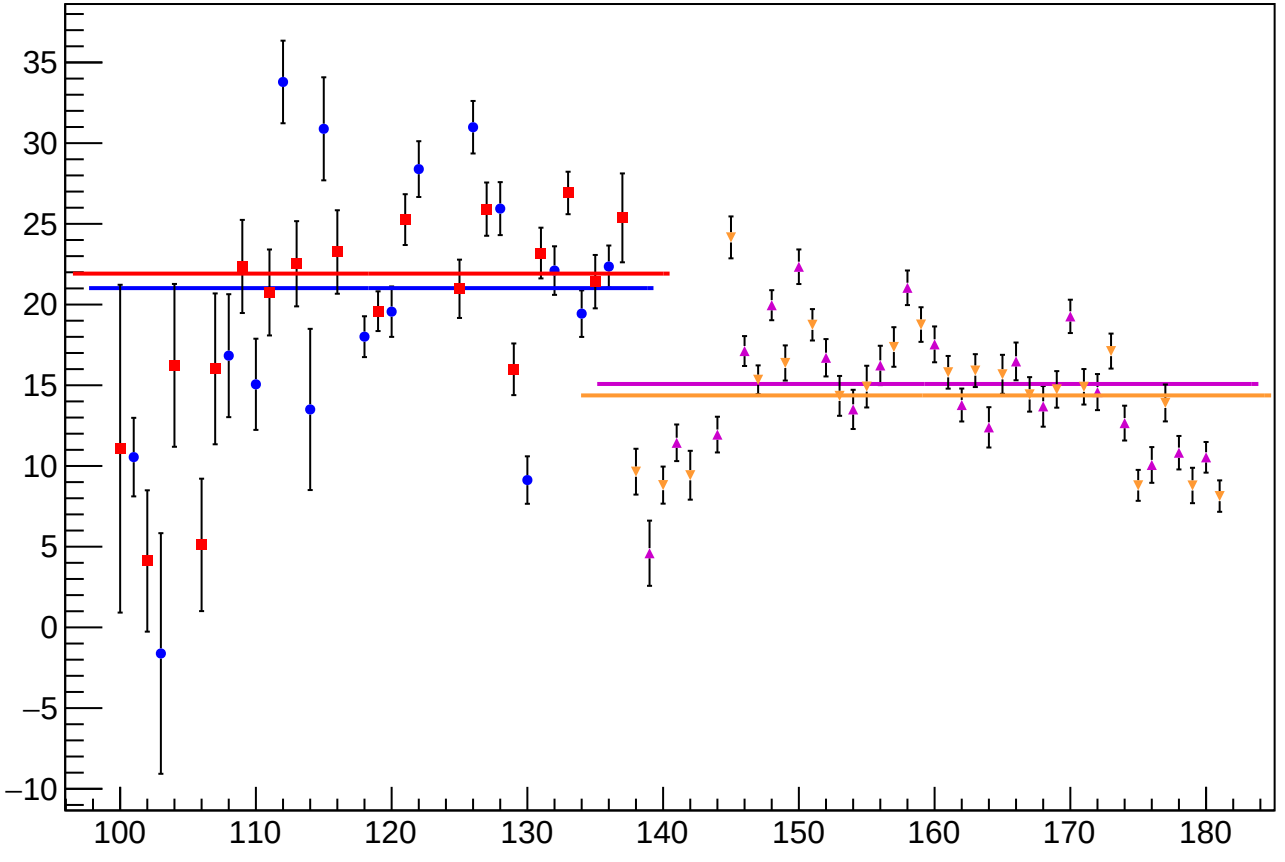
Left In: -18.664+/-0.279 χ^2/NDF:1016.3/20

\+ sign -19.132+/-0.234 χ^2/NDF: 3361.9/37

All: -20.194+/-0.168 χ^2/NDF: 6724.7/76

\- sign -21.313+/-0.241 χ^2/NDF: 3320.7/38

reg_asym_usl_atl1_dd_diff_bpm4eY_slope vs Slug



Right In: 21.019+/-0.458 χ^2/NDF: 209.6/15

Left Out: 14.372+/-0.236 χ^2/NDF:262.9/21

Right Out: 21.918+/-0.478 χ^2/NDF: 82.5/17

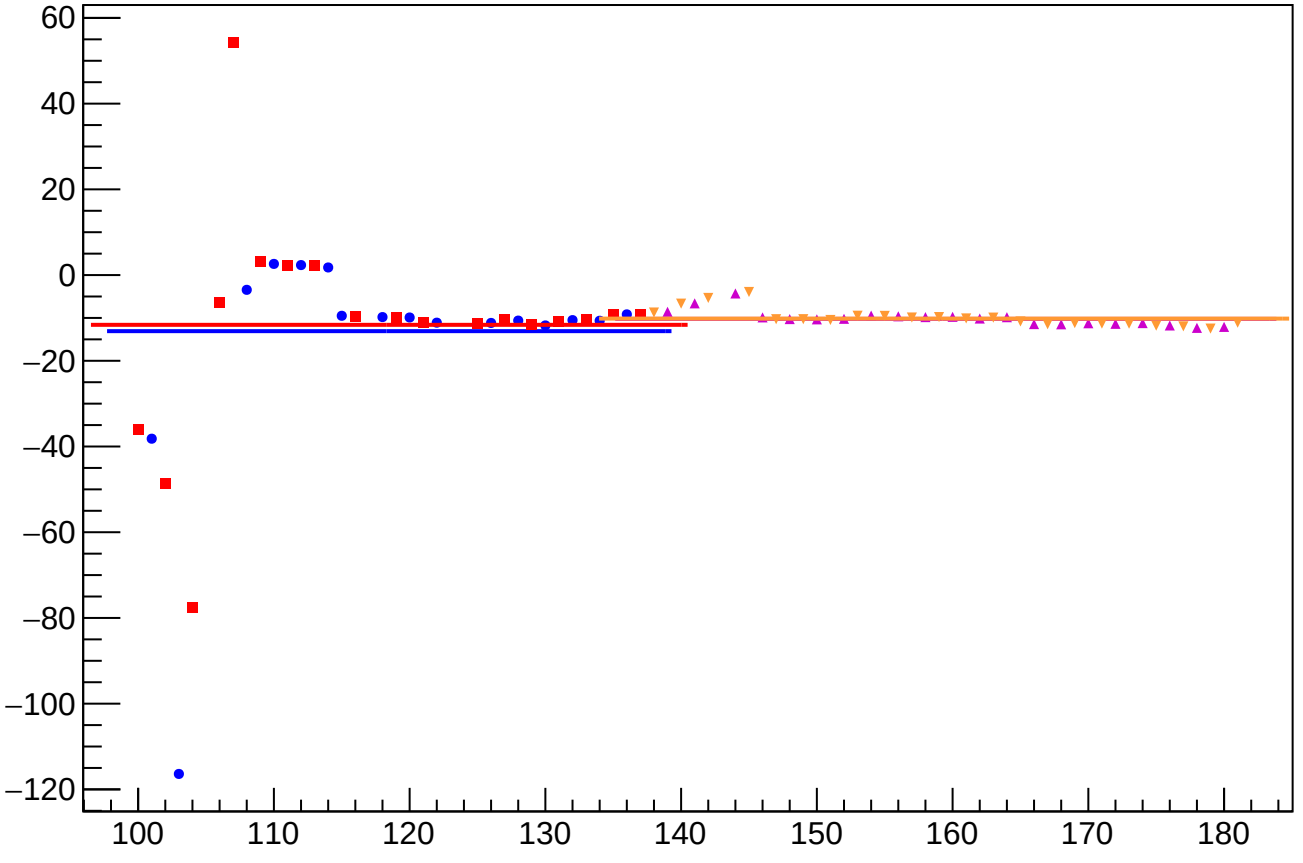
Left In: 15.080+/-0.241 χ^2/NDF:254.8/20

+ sign 15.767+/-0.210 χ^2/NDF: 638.8/37

All: 16.107+/-0.150 χ^2/NDF: 1144.5/76

- sign 16.464+/-0.215 χ^2/NDF: 500.3/38

reg_asym_usl_atl1_dd_diff_bpm12X_slope vs Slug



Right In: -13.086+/-0.028 χ^2/NDF: 344941.2/15

Left Out: -10.159+/-0.011 χ^2/NDF:30970.8/21

Right Out: -11.610+/-0.031 χ^2/NDF: 314183.9/17

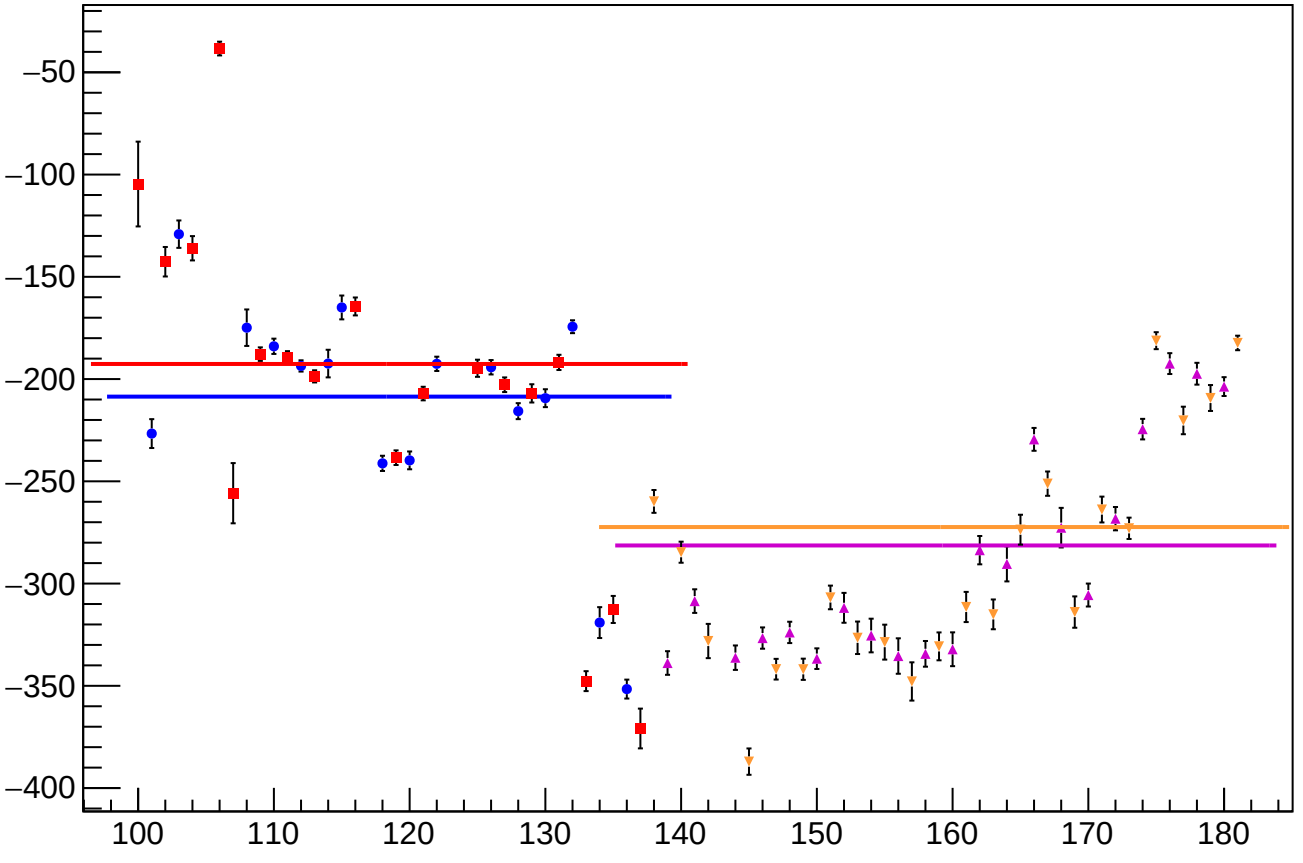
Left In: -10.226+/-0.011 χ^2/NDF:24305.0/20

+ sign -10.518+/-0.010 χ^2/NDF: 385222.4/37

All: -10.447+/-0.007 χ^2/NDF: 725608.5/76

- sign -10.374+/-0.010 χ^2/NDF: 340281.5/38

reg_asym_usl_atl2_avg_diff_bpm1X_slope vs Slug



Right In: -208.586+/-1.067 χ^2/NDF: 1751.1/15

Left Out: -272.364+/-1.266 χ^2/NDF:2395.1/21

Right Out: -192.617+/-0.999 χ^2/NDF: 4207.1/17

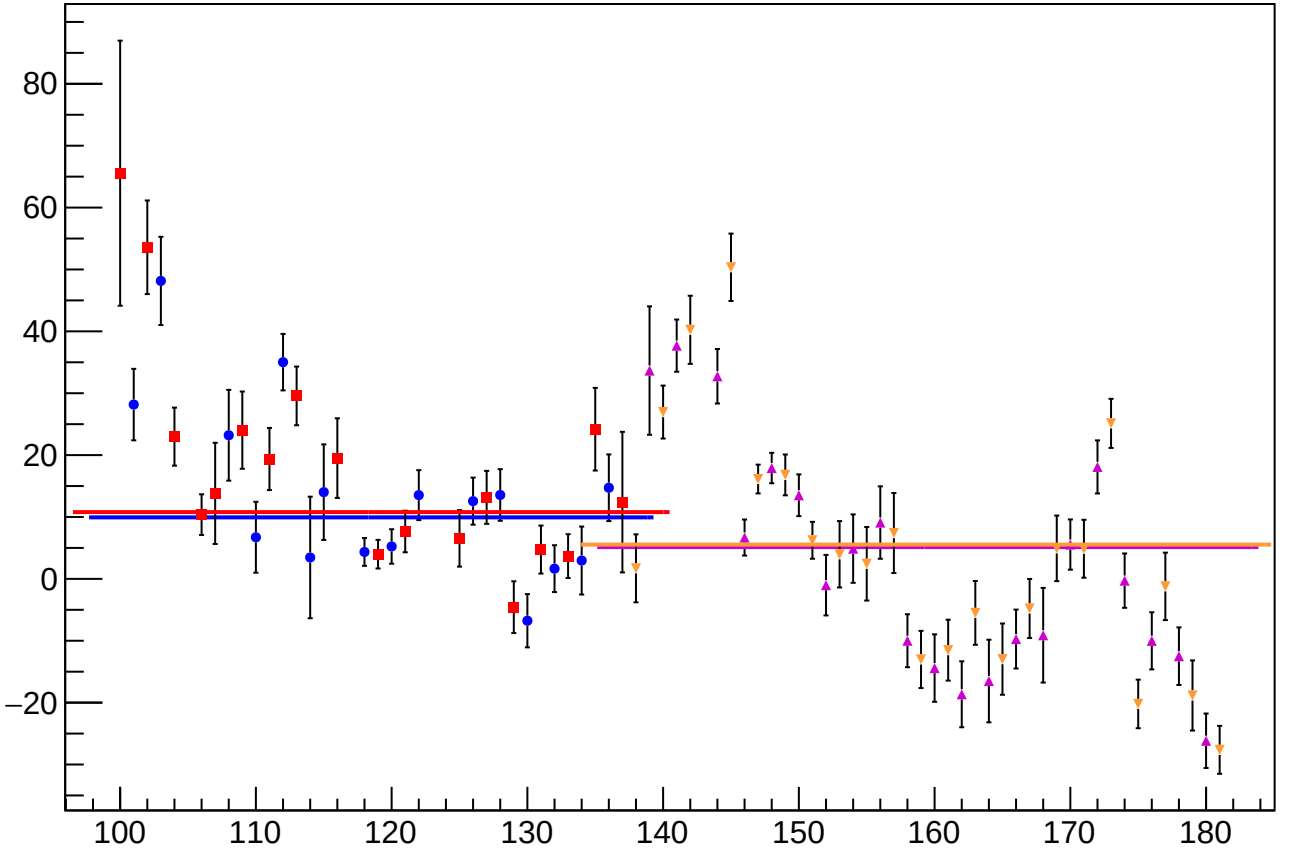
Left In: -281.369+/-1.304 χ^2/NDF:1738.8/20

+ sign -235.067+/-0.816 χ^2/NDF: 5631.1/37

All: -230.109+/-0.569 χ^2/NDF: 14566.9/76

- sign -225.420+/-0.793 χ^2/NDF: 8863.9/38

reg_asym_usl_atl2_avg_diff_bpm4aY_slope vs Slug



Right In: 9.938+/-1.065 χ^2/NDF: 106.6/15

Left Out: 5.538+/-0.924 χ^2/NDF:374.5/21

Right Out: 10.788+/-1.044 χ^2/NDF: 105.1/17

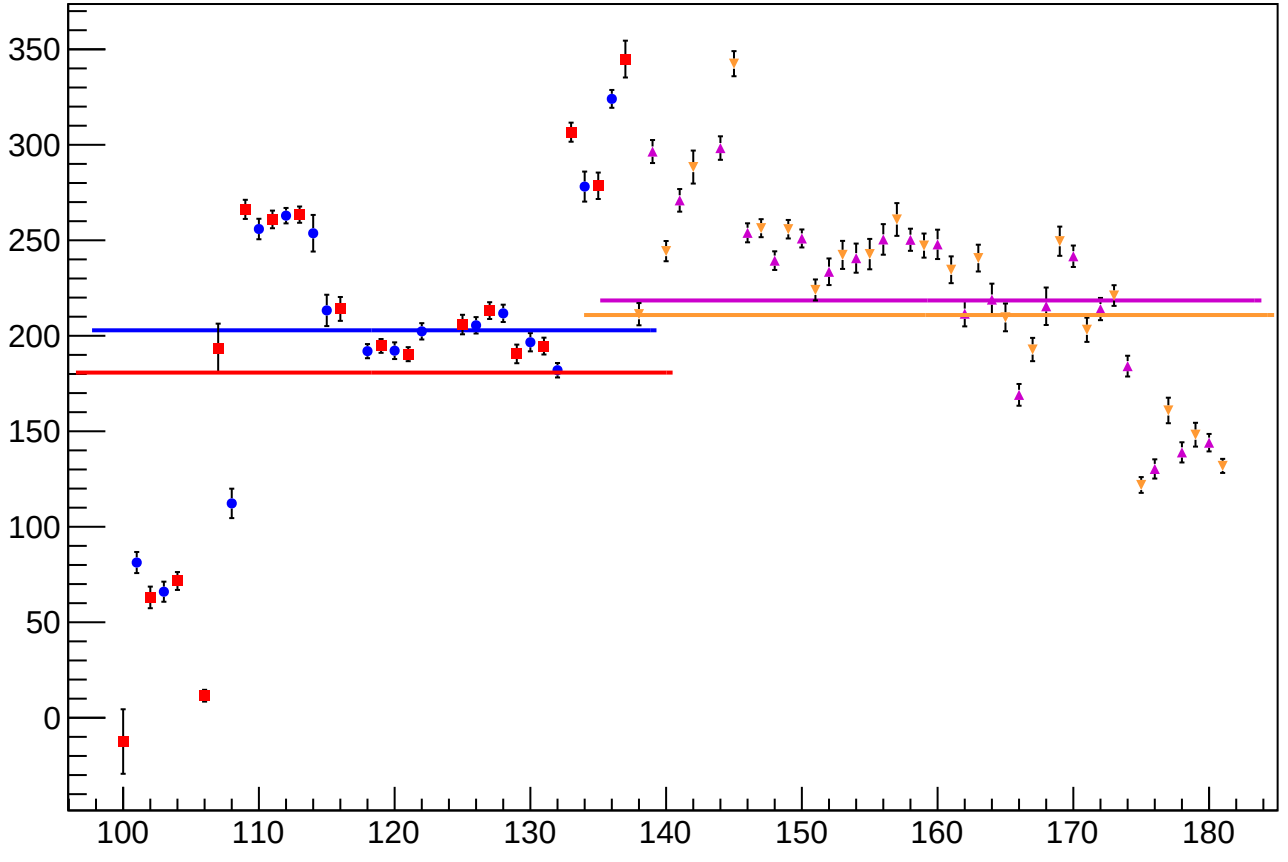
Left In: 5.142+/-0.949 χ^2/NDF:297.3/20

+ sign 7.426+/-0.698 χ^2/NDF: 490.7/37

All: 7.560+/-0.495 χ^2/NDF: 909.3/76

- sign 7.697+/-0.702 χ^2/NDF: 418.4/38

reg_asym_usl_atl2_avg_diff_bpm4eX_slope vs Slug



Right In: 202.874+/-1.226 χ^2/NDF: 2464.2/15

Left Out: 210.874+/-1.252 χ^2/NDF:1955.8/21

Right Out: 180.731+/-1.144 χ^2/NDF: 6347.9/17

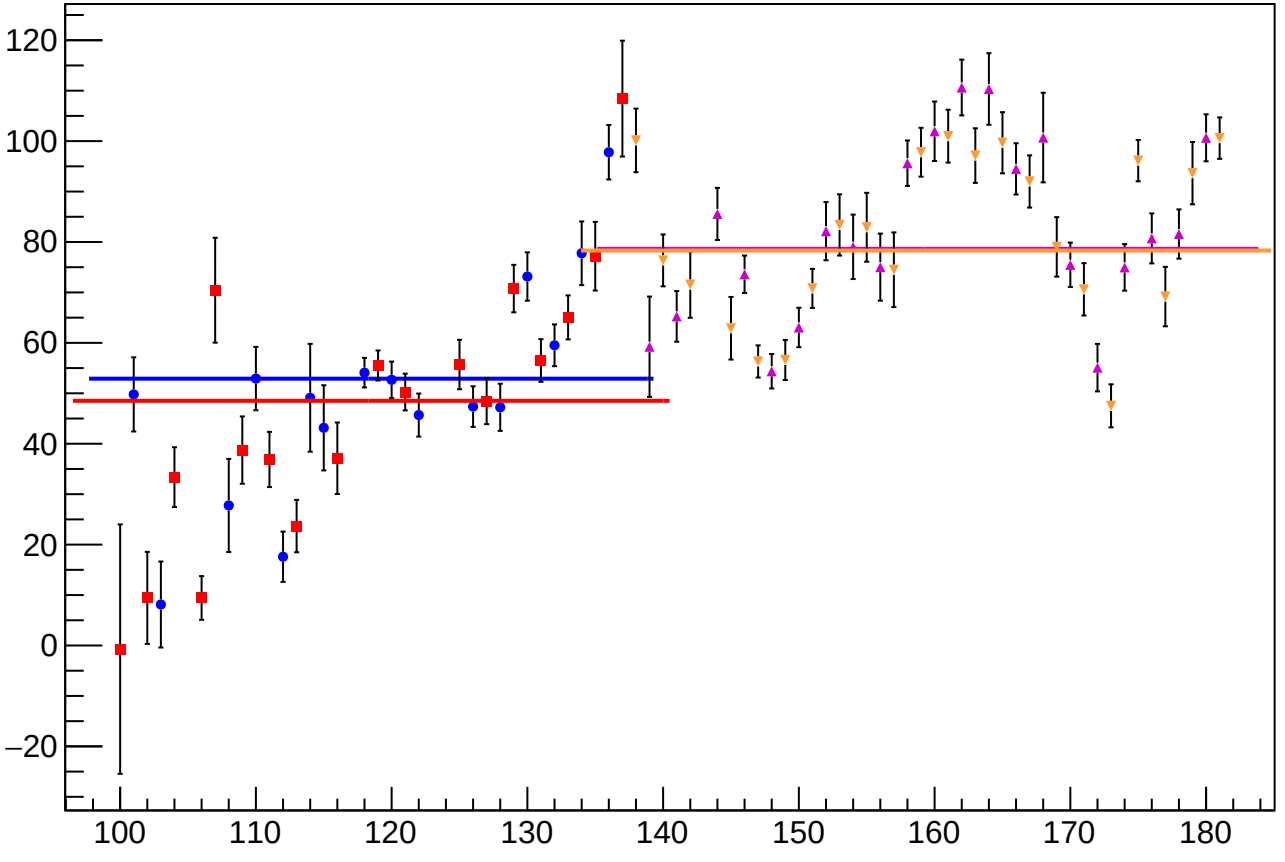
Left In: 218.503+/-1.284 χ^2/NDF:1536.2/20

+ sign 206.789+/-0.876 χ^2/NDF: 4440.9/37

All: 201.994+/-0.611 χ^2/NDF: 12865.8/76

- sign 197.433+/-0.854 χ^2/NDF: 8366.4/38

reg_asym_usl_atl2_avg_diff_bpm4eY_slope vs Slug



Right In: 52.899+/-1.242 χ^2/NDF: 198.3/15

Left Out: 78.308+/-1.066 χ^2/NDF:279.7/21

Right Out: 48.510+/-1.214 χ^2/NDF: 240.0/17

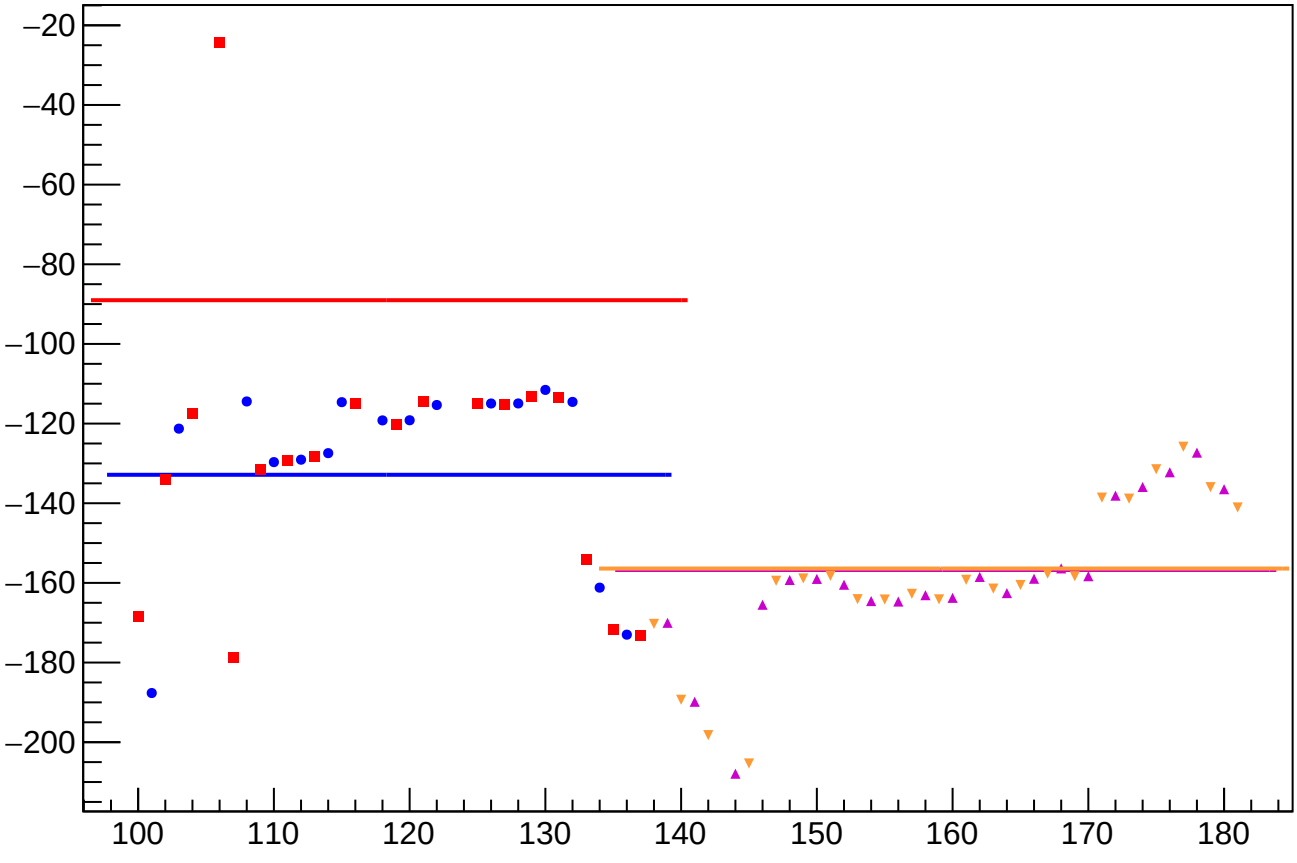
Left In: 78.640+/-1.089 χ^2/NDF:229.7/20

+ sign 67.523+/-0.809 χ^2/NDF: 719.0/37

All: 66.367+/-0.573 χ^2/NDF: 1534.0/76

- sign 65.206+/-0.811 χ^2/NDF: 810.9/38

reg_asym_usl_atl2_avg_diff_bpm12X_slope vs Slug



Right In: -132.856+/-0.081 χ^2/NDF: 93497.9/15

Left Out: -156.401+/-0.050 χ^2/NDF:137084.9/21

Right Out: -89.020+/-0.064 χ^2/NDF: 728110.1/17

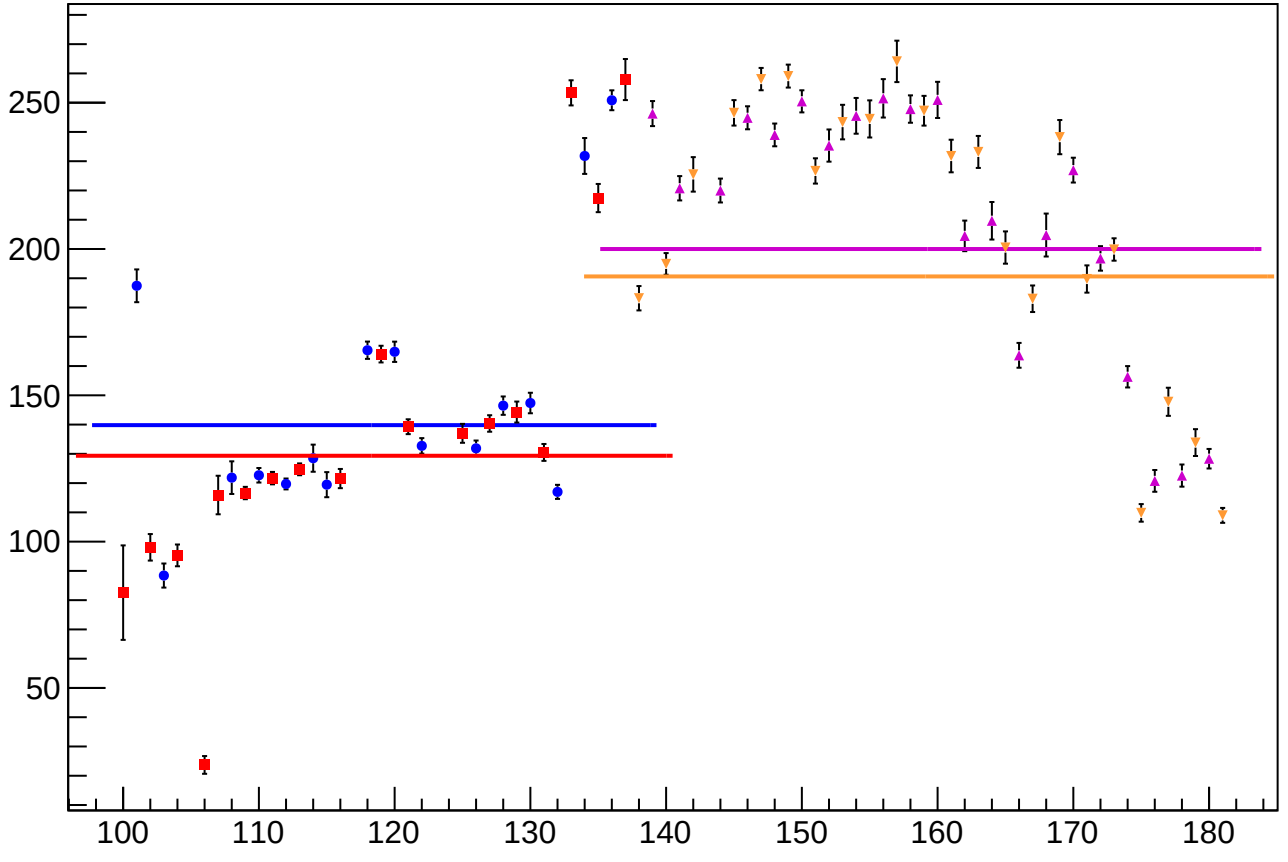
Left In: -156.759+/-0.050 χ^2/NDF:121333.6/20

+ sign -149.998+/-0.042 χ^2/NDF: 291565.5/37

All: -139.964+/-0.029 χ^2/NDF: 1941423.4/76

- sign -131.357+/-0.039 χ^2/NDF: 1545948.1/38

reg_asym_usl_atl2_dd_diff_bpm1X_slope vs Slug



Right In: 139.810+/-0.785 χ^2/NDF: 1964.9/15

Left Out: 190.623+/-0.929 χ^2/NDF:3449.1/21

Right Out: 129.344+/-0.734 χ^2/NDF: 3123.5/17

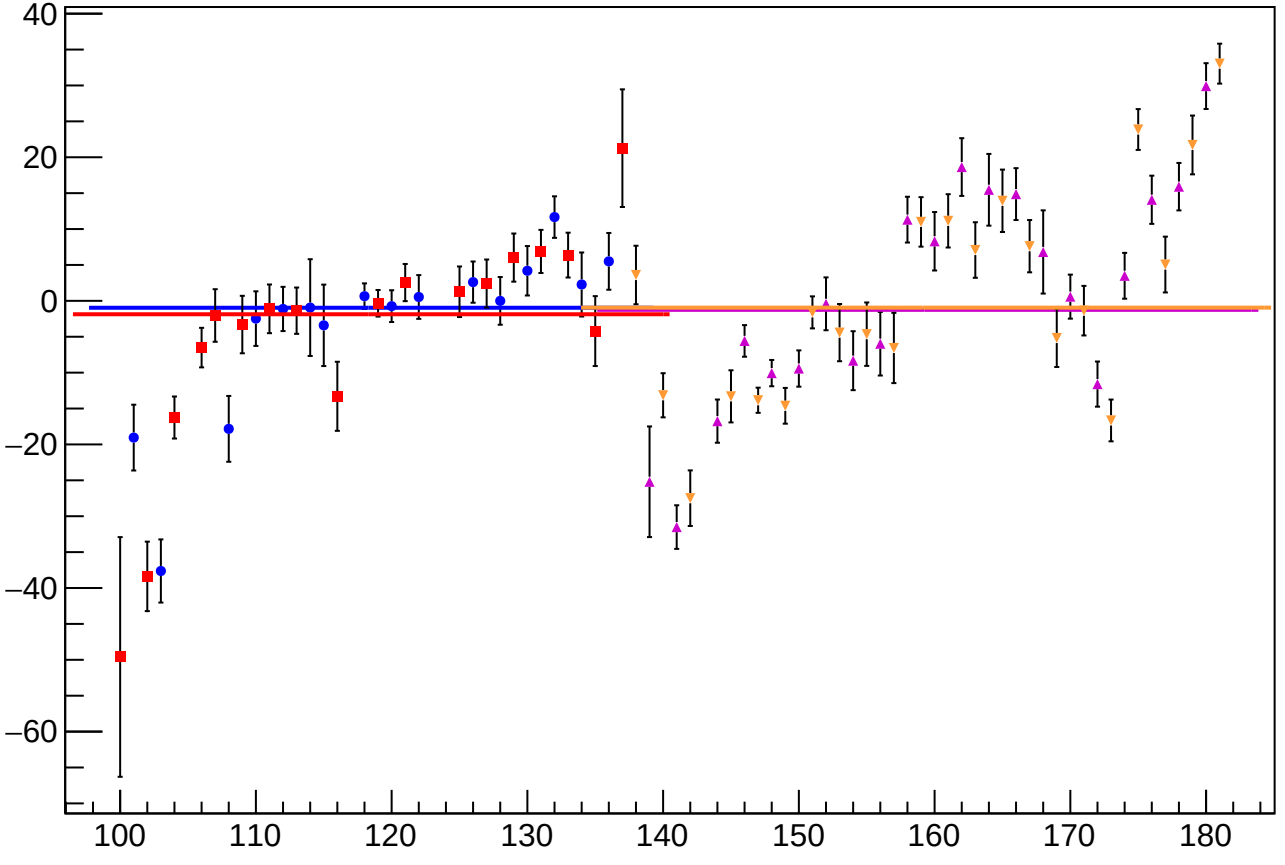
Left In: 199.993+/-0.961 χ^2/NDF:2499.5/20

+ sign 160.957+/-0.599 χ^2/NDF: 7159.7/37

All: 158.097+/-0.418 χ^2/NDF: 16239.9/76

- sign 155.388+/-0.583 χ^2/NDF: 9035.9/38

reg_asym_usl_atl2_dd_diff_bpm4aY_slope vs Slug



Right In: -0.963+/-0.808 χ^2/NDF: 126.1/15

Left Out: -0.946+/-0.683 χ^2/NDF:495.5/21

Right Out: -1.869+/-0.784 χ^2/NDF: 133.2/17

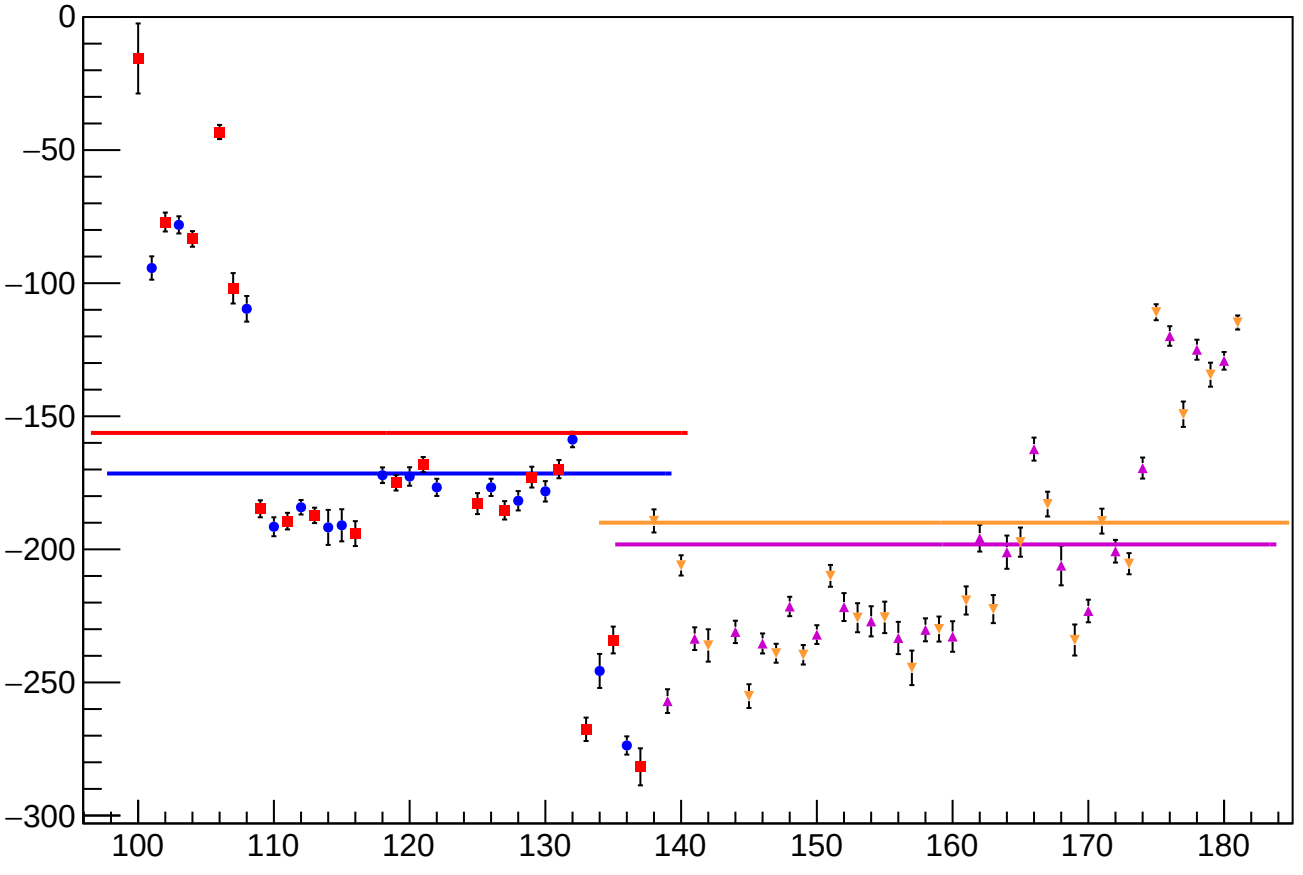
Left In: -1.254+/-0.701 χ^2/NDF:412.2/20

+ sign -0.953+/-0.521 χ^2/NDF: 621.6/37

All: -1.240+/-0.369 χ^2/NDF: 1167.9/76

- sign -1.528+/-0.523 χ^2/NDF: 545.7/38

reg_asym_usl_atl2_dd_diff_bpm4eX_slope vs Slug



Right In: -171.506+/-0.907 χ^2/NDF: 2442.8/15

Left Out: -189.975+/-0.920 χ^2/NDF:2781.7/21

Right Out: -156.260+/-0.847 χ^2/NDF: 4904.3/17

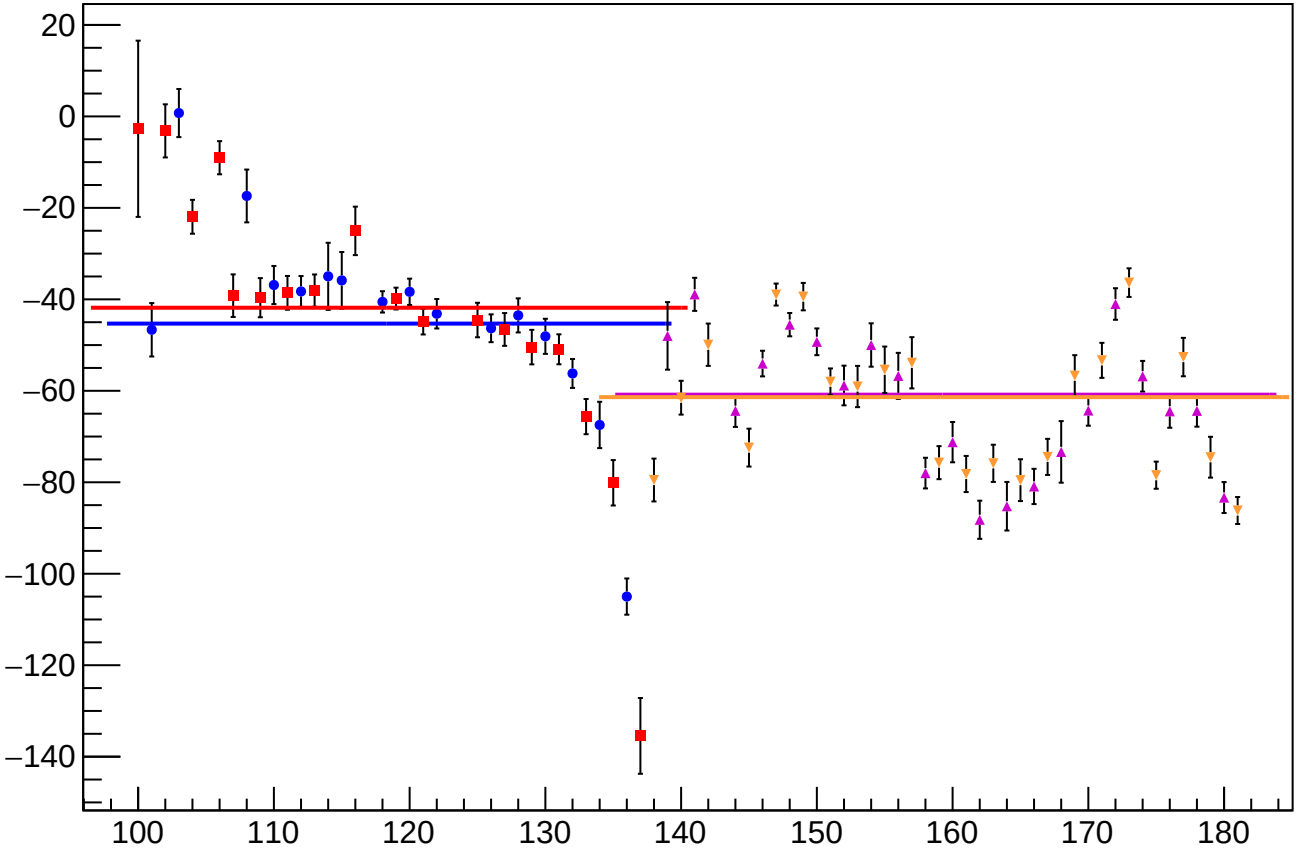
Left In: -198.148+/-0.947 χ^2/NDF:2131.6/20

+ sign -180.603+/-0.646 χ^2/NDF: 5428.8/37

All: -177.677+/-0.452 χ^2/NDF: 13591.3/76

- sign -174.881+/-0.632 χ^2/NDF: 8122.3/38

reg_asym_usl_atl2_dd_diff_bpm4eY_slope vs Slug



Right In: -45.304+/-0.938 χ^2/NDF: 382.0/15

Left Out: -61.382+/-0.787 χ^2/NDF:433.2/21

Right Out: -41.832+/-0.909 χ^2/NDF: 414.2/17

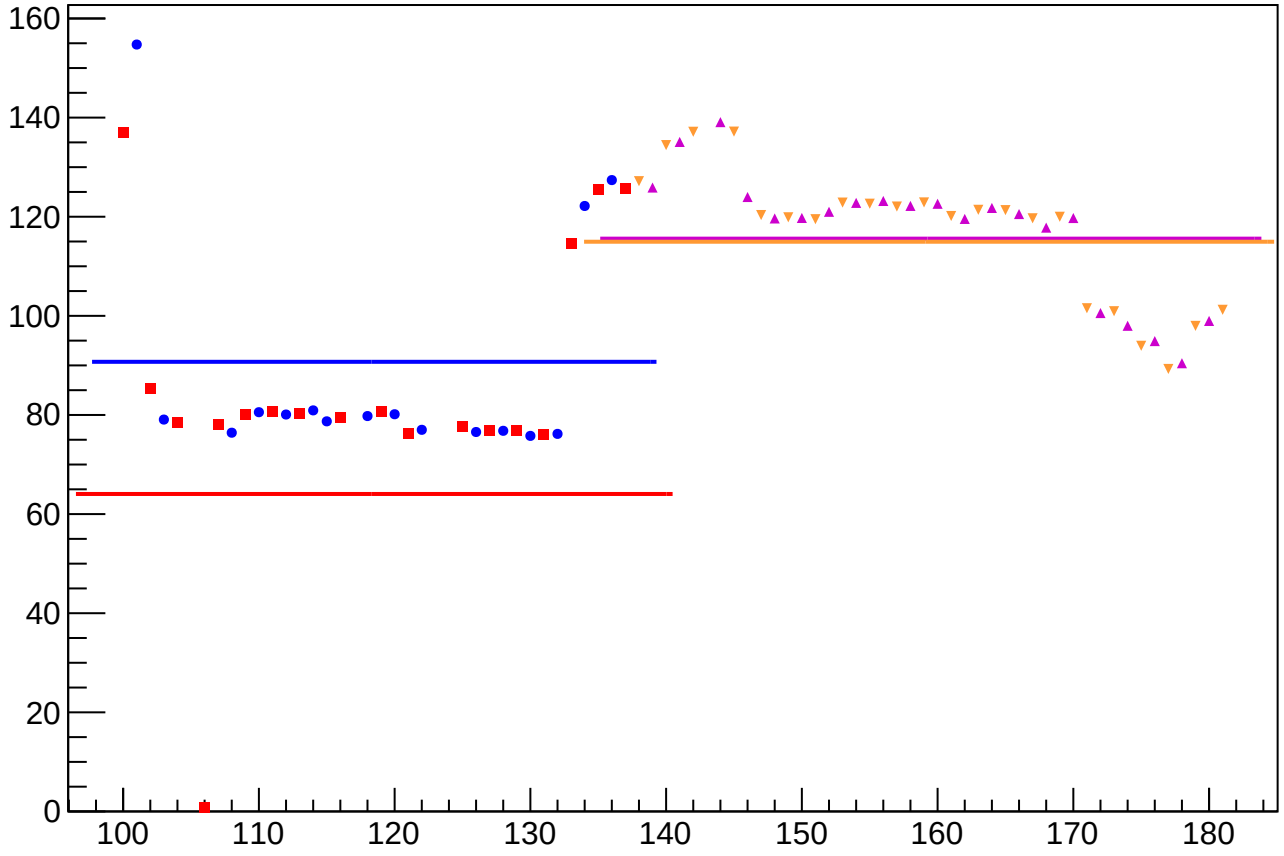
Left In: -60.845+/-0.805 χ^2/NDF:312.8/20

+ sign -54.738+/-0.603 χ^2/NDF: 987.8/37

All: -53.616+/-0.426 χ^2/NDF: 1967.0/76

- sign -52.495+/-0.603 χ^2/NDF: 972.3/38

reg_asym_usl_atl2_dd_diff_bpm12X_slope vs Slug



Right In: 90.726+/-0.058 χ^2/NDF: 161153.0/15

Left Out: 114.955+/-0.037 χ^2/NDF:135135.0/21

Right Out: 64.059+/-0.049 χ^2/NDF: 660935.1/17

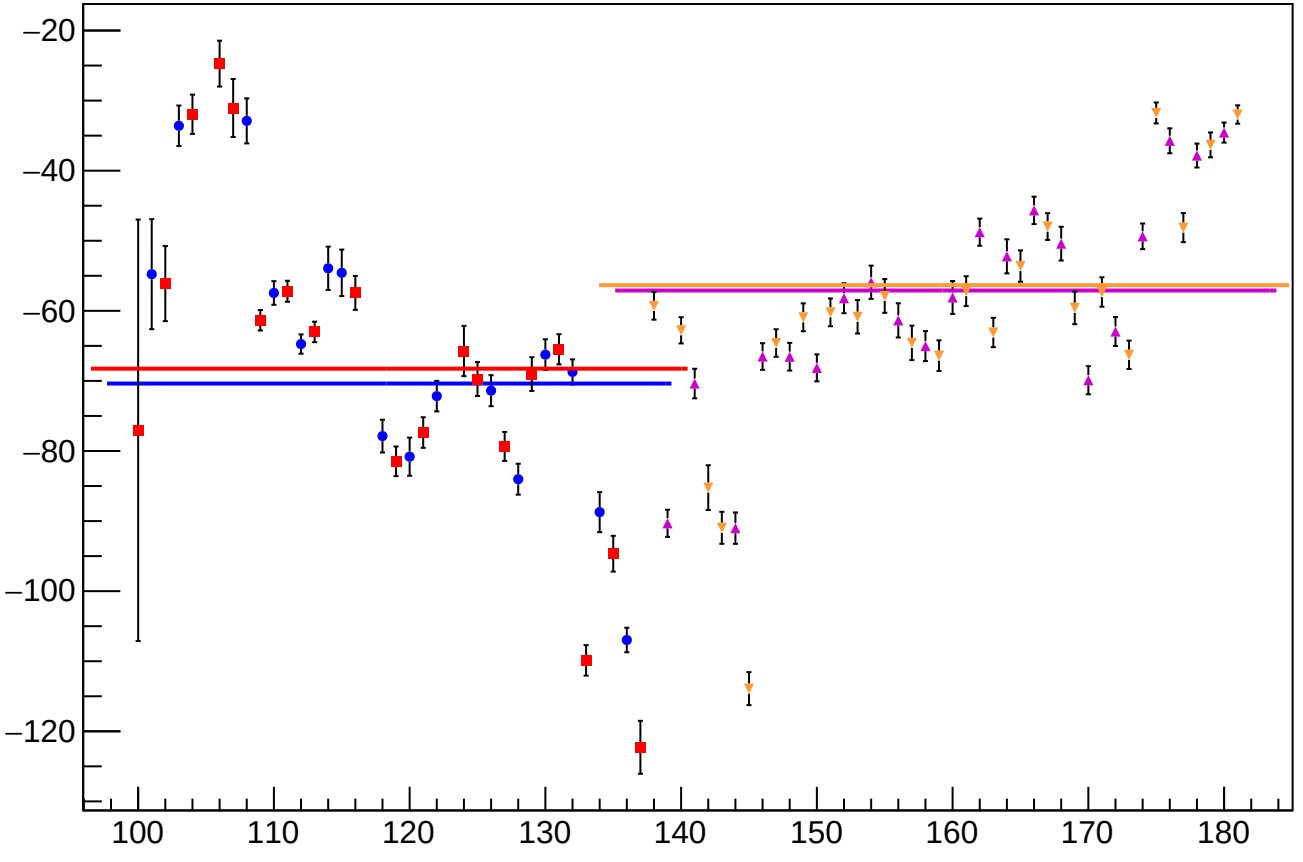
Left In: 115.576+/-0.037 χ^2/NDF:124427.0/20

+ sign 108.119+/-0.031 χ^2/NDF: 419504.2/37

All: 102.359+/-0.021 χ^2/NDF: 1972295.6/76

- sign 97.178+/-0.029 χ^2/NDF: 1487475.1/38

reg_asym_usr_atr1_avg_diff_bpm1X_slope vs Slug



Right In: -70.374+/-0.558 χ^2/NDF: 974.9/15

Left Out: -56.334+/-0.420 χ^2/NDF:1801.5/22

Right Out: -68.252+/-0.527 χ^2/NDF: 1306.0/18

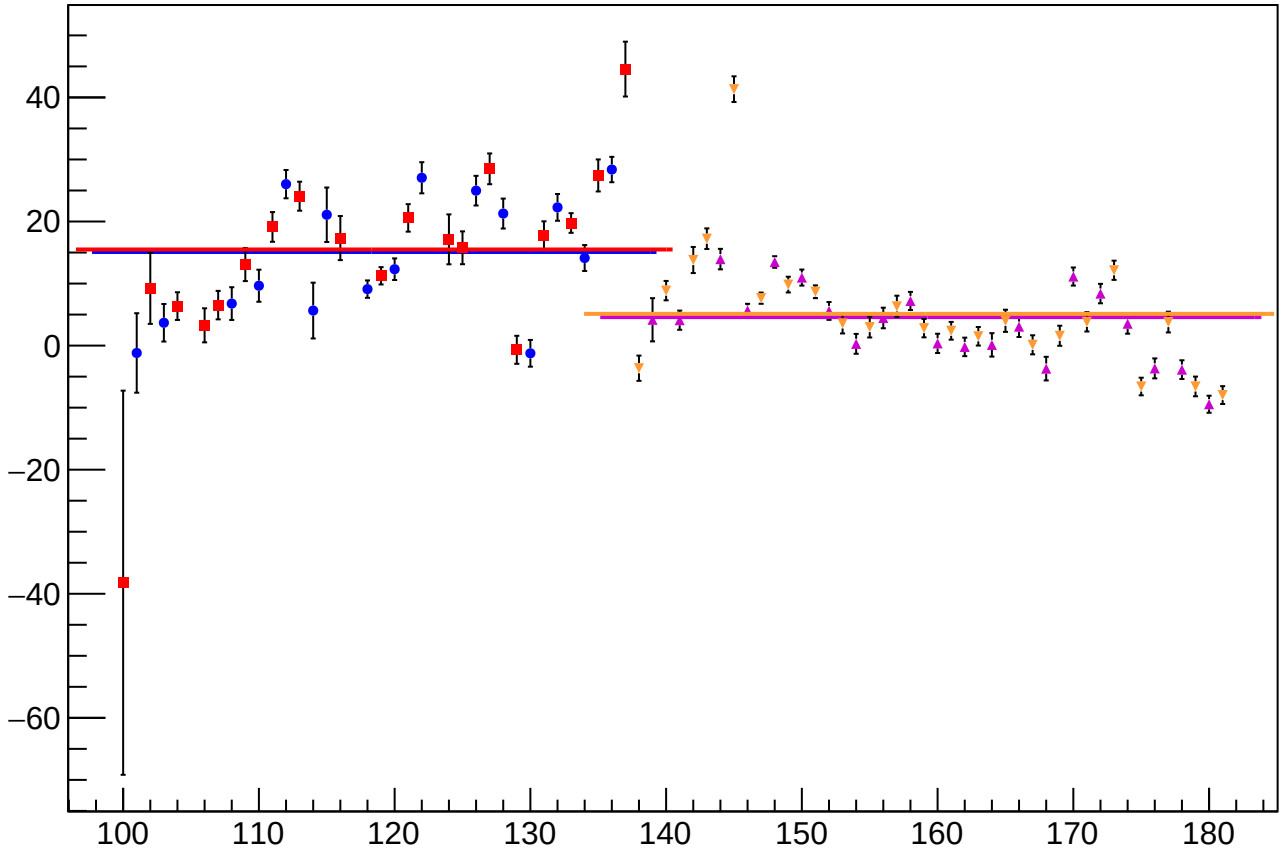
Left In: -57.098+/-0.436 χ^2/NDF:1311.6/20

+ sign -61.421+/-0.336 χ^2/NDF: 3180.5/38

All: -61.528+/-0.237 χ^2/NDF: 6064.3/78

- sign -61.636+/-0.336 χ^2/NDF: 2883.6/39

reg_asym_usr_atr1_avg_diff_bpm4aY_slope vs Slug



Right In: 15.092+/-0.581 χ^2/NDF: 242.4/15

Left Out: 5.116+/-0.310 χ^2/NDF:692.4/22

Right Out: 15.491+/-0.558 χ^2/NDF: 239.3/18

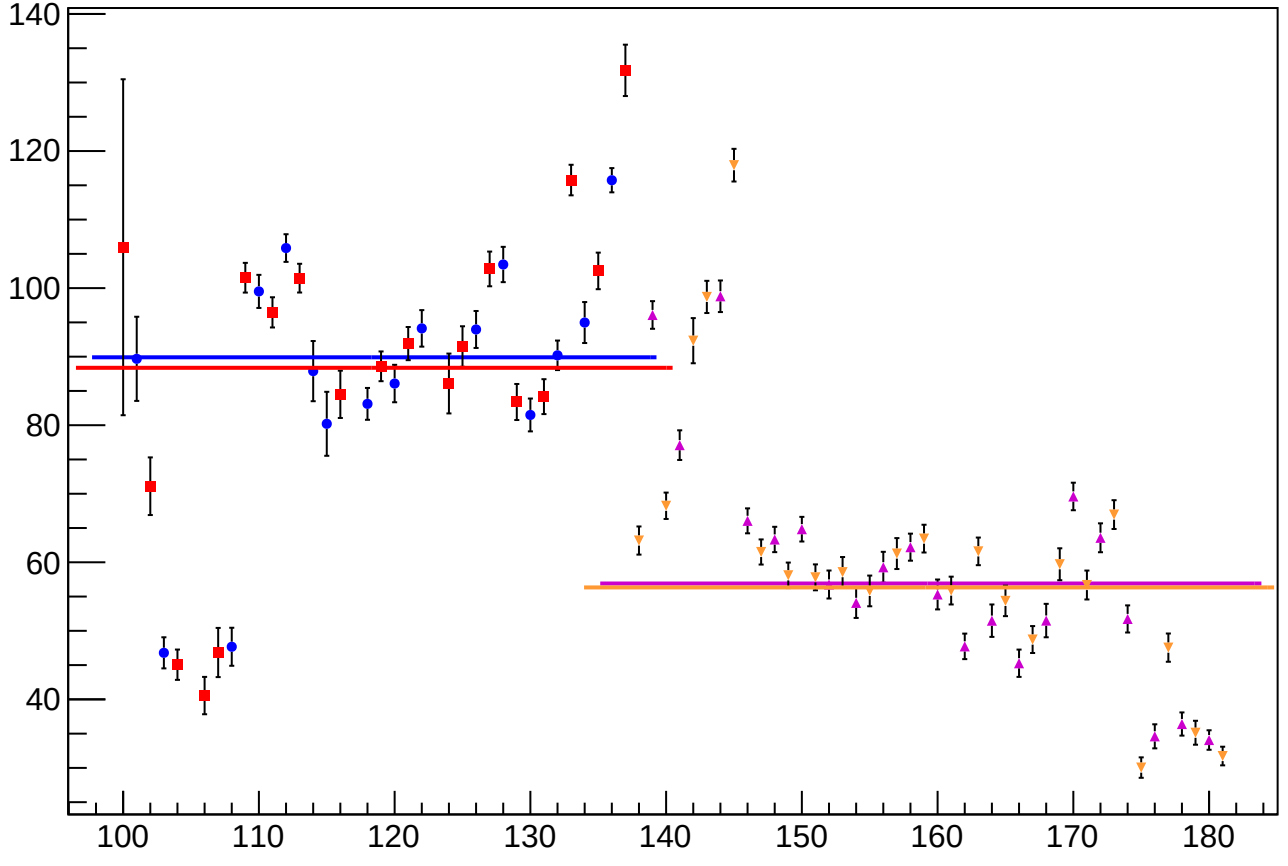
Left In: 4.591+/-0.323 χ^2/NDF:390.8/20

\+ sign 7.328+/-0.274 χ^2/NDF: 1164.4/38

All: 7.326+/-0.195 χ^2/NDF: 2080.2/78

\- sign 7.324+/-0.280 χ^2/NDF: 915.8/39

reg_asym_usr_atr1_avg_diff_bpm4eX_slope vs Slug



Right In: 89.907+/-0.641 χ^2/NDF: 947.7/15

Left Out: 56.330+/-0.415 χ^2/NDF:2044.2/22

Right Out: 88.375+/-0.617 χ^2/NDF: 1288.9/18

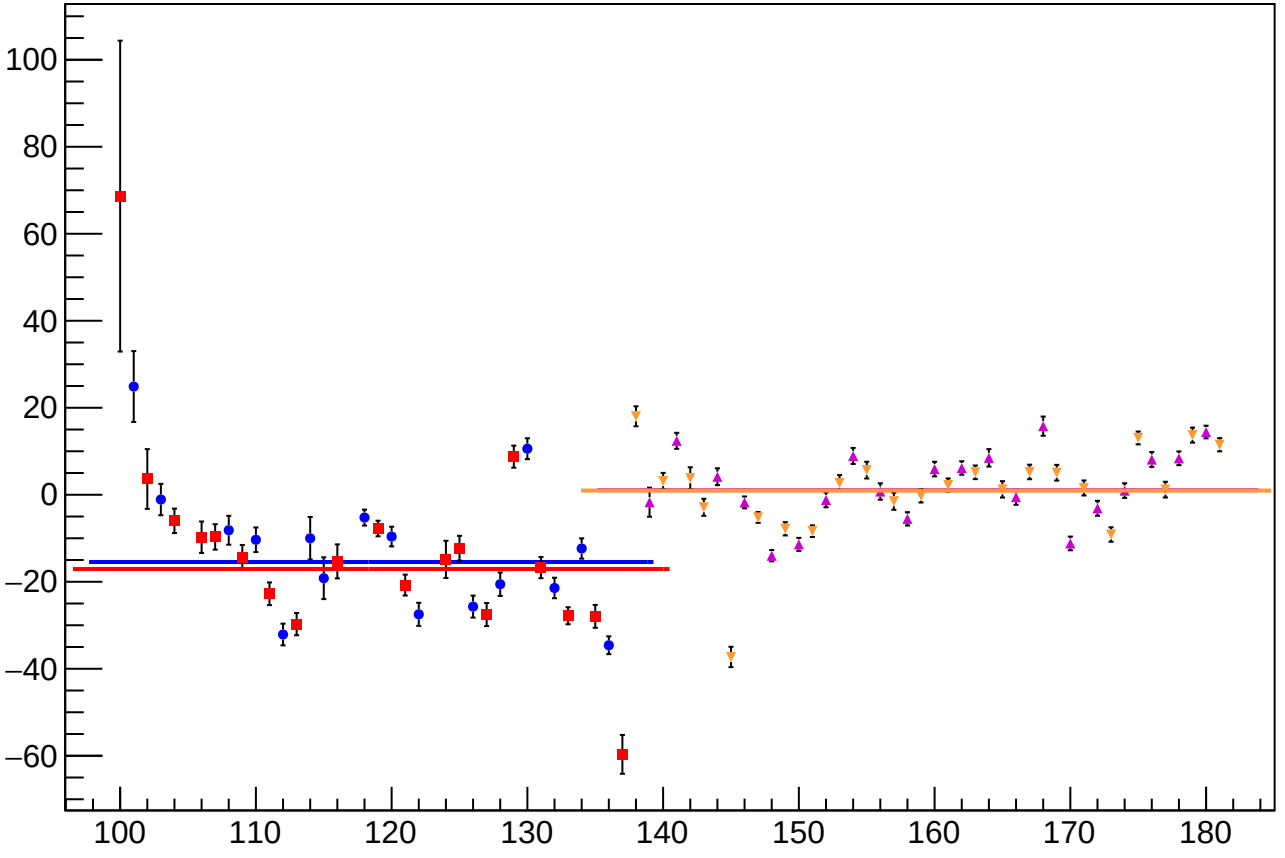
Left In: 56.903+/-0.429 χ^2/NDF:1553.4/20

+ sign 66.252+/-0.348 χ^2/NDF: 4926.9/38

All: 66.689+/-0.248 χ^2/NDF: 9525.7/78

- sign 67.136+/-0.352 χ^2/NDF: 4595.6/39

reg_asym_usr_atr1_avg_diff_bpm4eY_slope vs Slug



Right In: -15.454+/-0.665 χ^2/NDF: 386.5/15

Left Out: 0.971+/-0.354 χ^2/NDF:669.3/22

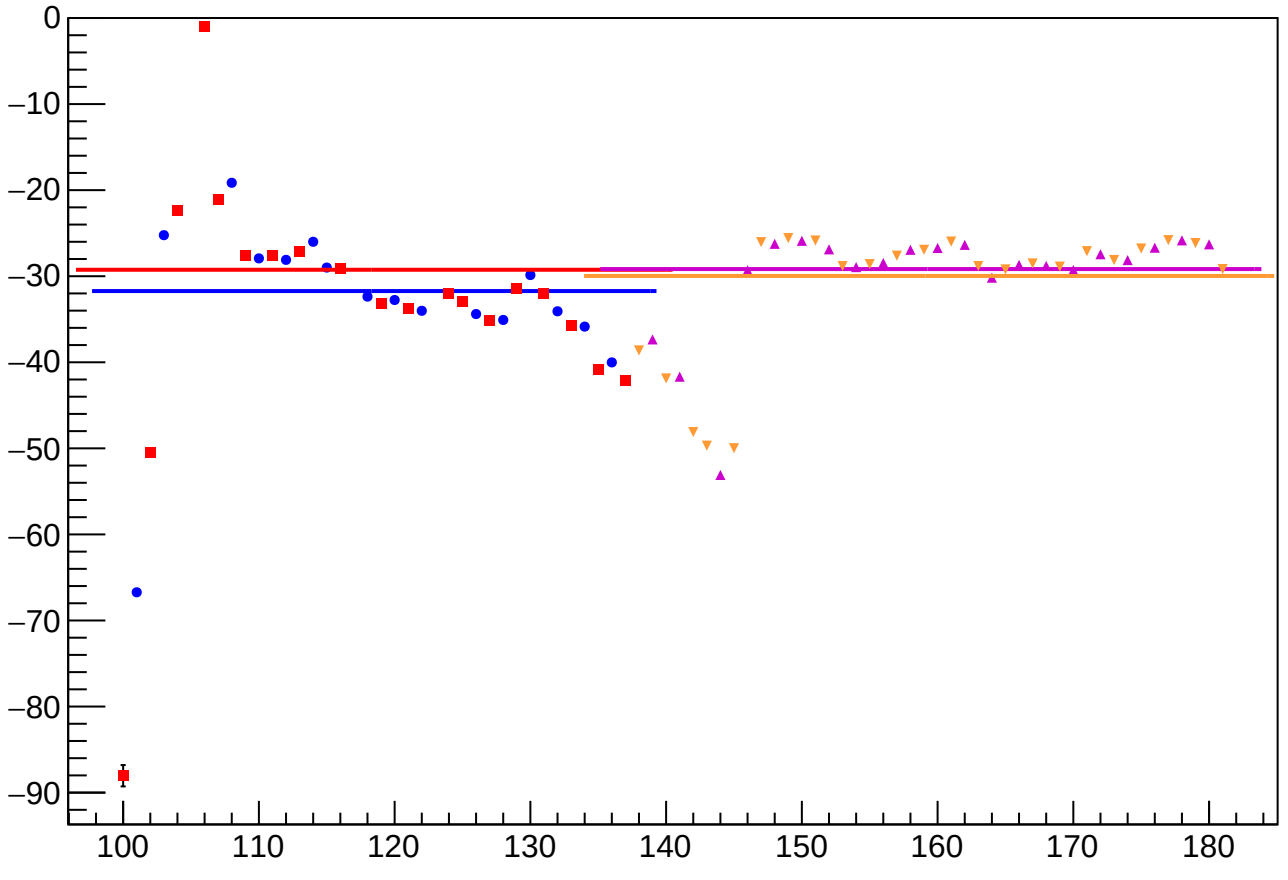
Right Out: -17.066+/-0.644 χ^2/NDF: 361.0/18

Left In: 1.052+/-0.367 χ^2/NDF:555.1/20

\+ sign -2.659+/-0.313 χ^2/NDF: 1530.3/38

All: -3.020+/-0.223 χ^2/NDF: 3047.1/78

\- sign -3.394+/-0.319 χ^2/NDF: 1514.0/39



Right In: -31.725+/-0.039 χ^2/NDF: 39636.6/15

Left Out: -29.969+/-0.016 χ^2/NDF:161126.3/22

Right Out: -29.250+/-0.038 χ^2/NDF: 95235.9/18

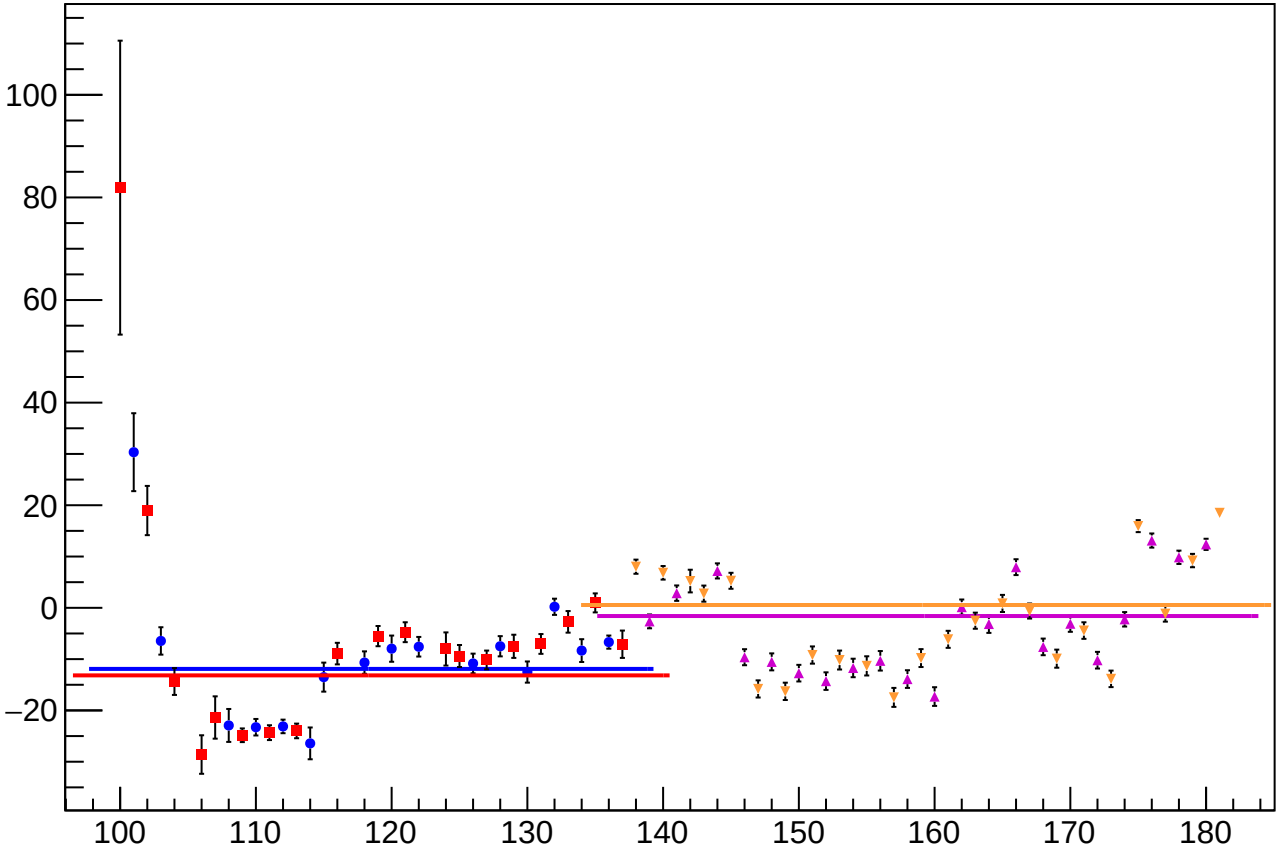
Left In: -29.169+/-0.016 χ^2/NDF:100947.3/20

+ sign -30.233+/-0.015 χ^2/NDF: 202528.4/38

All: -29.714+/-0.011 χ^2/NDF: 401167.5/78

- sign -29.182+/-0.015 χ^2/NDF: 196187.0/39

reg_asym_usr_atr1_dd_diff_bpm1X_slope vs Slug



Right In: -11.906+/-0.497 χ^2/NDF: 282.1/15

Left Out: 0.550+/-0.319 χ^2/NDF:1195.6/22

Right Out: -13.169+/-0.480 χ^2/NDF: 421.5/18

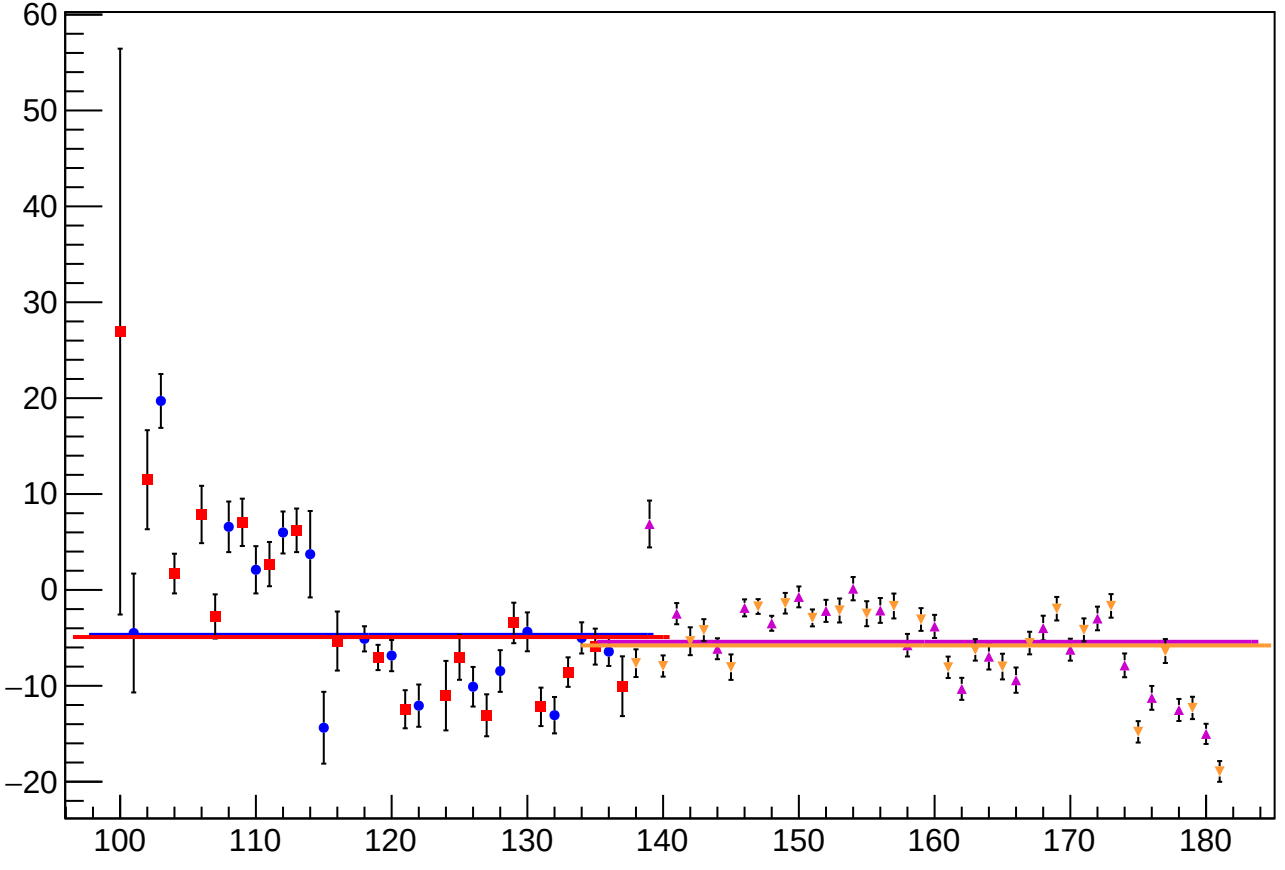
Left In: -1.599+/-0.333 χ^2/NDF:819.8/20

+ sign -3.087+/-0.268 χ^2/NDF: 1922.9/38

All: -4.202+/-0.192 χ^2/NDF: 3591.2/78

- sign -5.363+/-0.274 χ^2/NDF: 1633.2/39

reg_asym_usr_atr1_dd_diff_bpm4aY_slope vs Slug



Right In: -4.686+/-0.517 χ^2/NDF: 179.0/15

Left Out: -5.790+/-0.240 χ^2/NDF:369.9/22

Right Out: -4.913+/-0.513 χ^2/NDF: 155.9/18

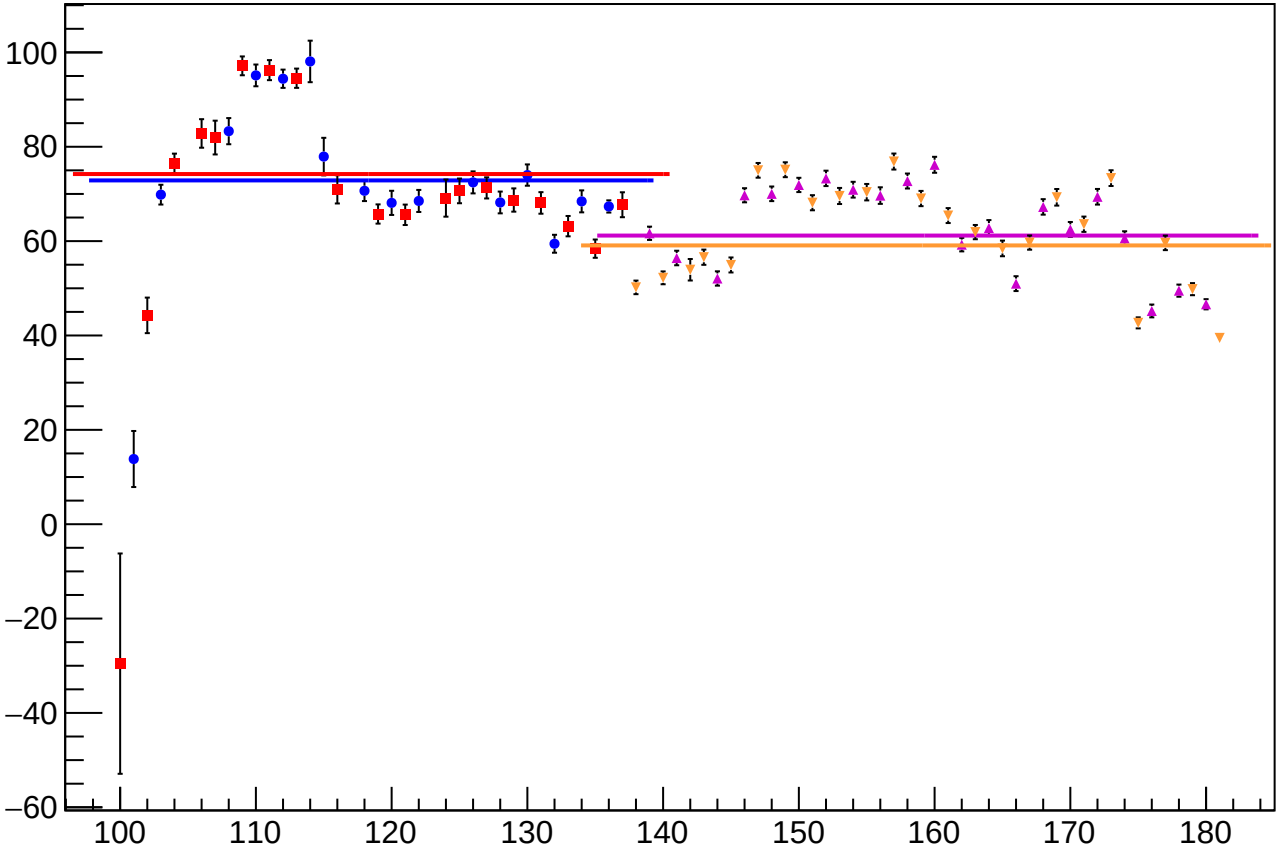
Left In: -5.412+/-0.251 χ^2/NDF:292.4/20

+ sign -5.595+/-0.218 χ^2/NDF: 552.7/38

All: -5.460+/-0.156 χ^2/NDF: 1002.6/78

- sign -5.316+/-0.225 χ^2/NDF: 449.0/39

reg_asym_usr_atr1_dd_diff_bpm4eX_slope vs Slug



Right In: 72.866+/-0.565 χ^2/NDF: 450.7/15

Left Out: 59.088+/-0.316 χ^2/NDF:1295.0/22

Right Out: 74.217+/-0.562 χ^2/NDF: 586.2/18

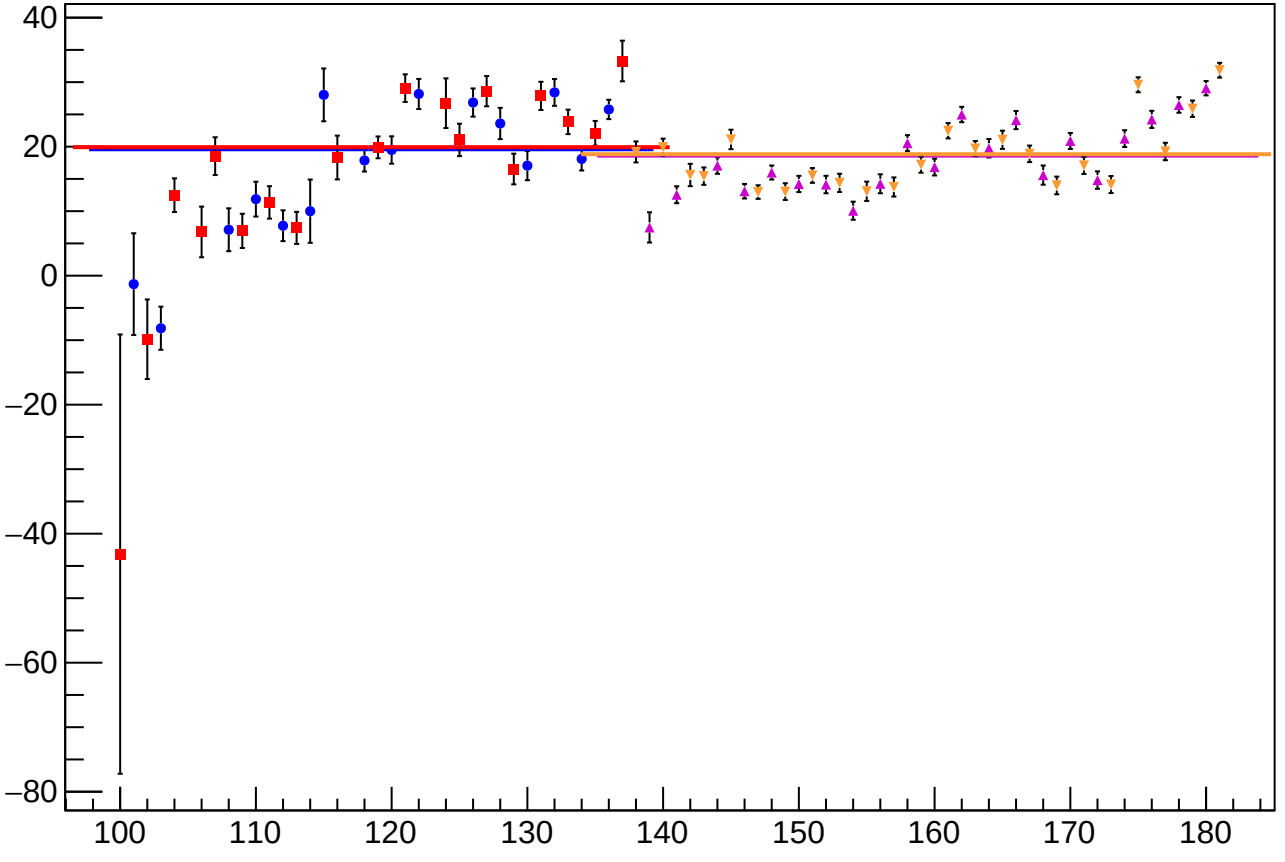
Left In: 61.178+/-0.329 χ^2/NDF:889.5/20

\+ sign 62.367+/-0.276 χ^2/NDF: 2198.3/38

All: 63.402+/-0.198 χ^2/NDF: 4103.9/78

\- sign 64.496+/-0.284 χ^2/NDF: 1876.7/39

reg_asym_usr_atr1_dd_diff_bpm4eY_slope vs Slug



Right In: 19.598+/-0.585 χ^2/NDF: 196.0/15

Left Out: 18.829+/-0.273 χ^2/NDF:394.9/22

Right Out: 19.919+/-0.585 χ^2/NDF: 181.3/18

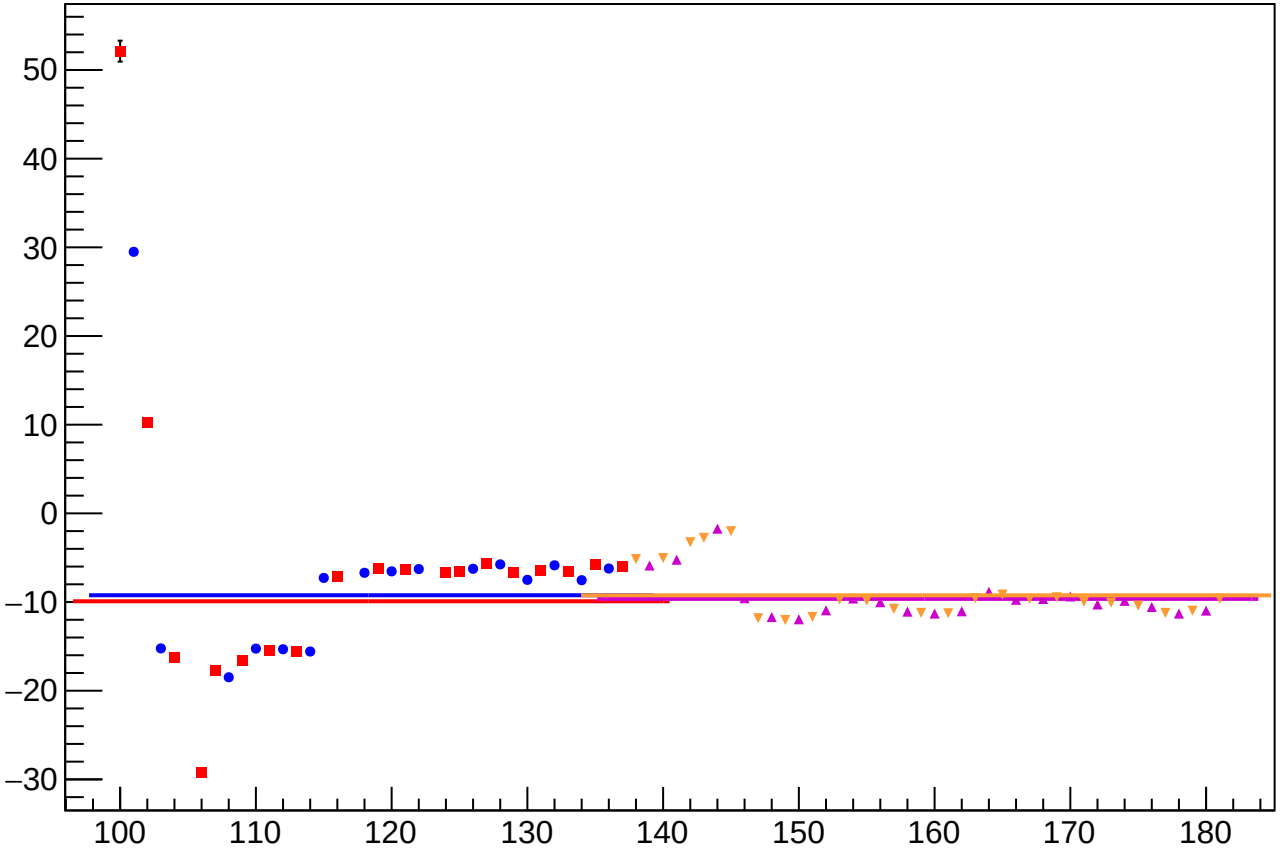
Left In: 18.616+/-0.284 χ^2/NDF:361.3/20

+ sign 18.966+/-0.247 χ^2/NDF: 592.3/38

All: 18.917+/-0.178 χ^2/NDF: 1139.1/78

- sign 18.864+/-0.255 χ^2/NDF: 546.7/39

reg_asym_usr_atr1_dd_diff_bpm12X_slope vs Slug



Right In: -9.235+/-0.033 χ^2/NDF: 31159.3/15

Left Out: -9.242+/-0.012 χ^2/NDF:48206.8/22

Right Out: -9.913+/-0.034 χ^2/NDF: 53863.3/18

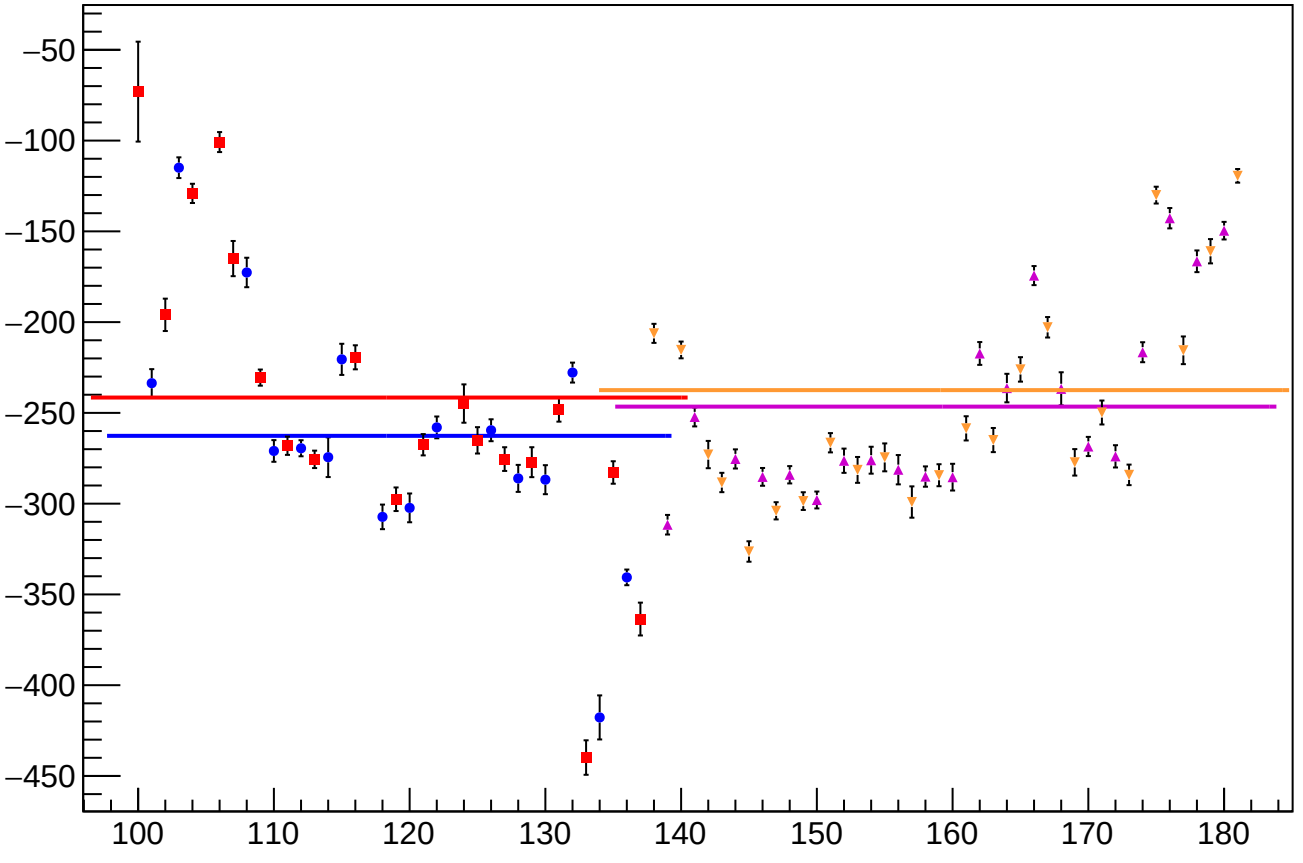
Left In: -9.646+/-0.013 χ^2/NDF:31375.5/20

+ sign -9.241+/-0.012 χ^2/NDF: 79366.1/38

All: -9.454+/-0.008 χ^2/NDF: 165356.0/78

- sign -9.677+/-0.012 χ^2/NDF: 85291.9/39

reg_asym_usr_atr2_avg_diff_bpm1X_slope vs Slug



Right In: -262.643+/-1.614 χ^2/NDF: 1454.3/15

Left Out: -237.463+/-1.199 χ^2/NDF:2808.5/22

Right Out: -241.548+/-1.506 χ^2/NDF: 2138.6/18

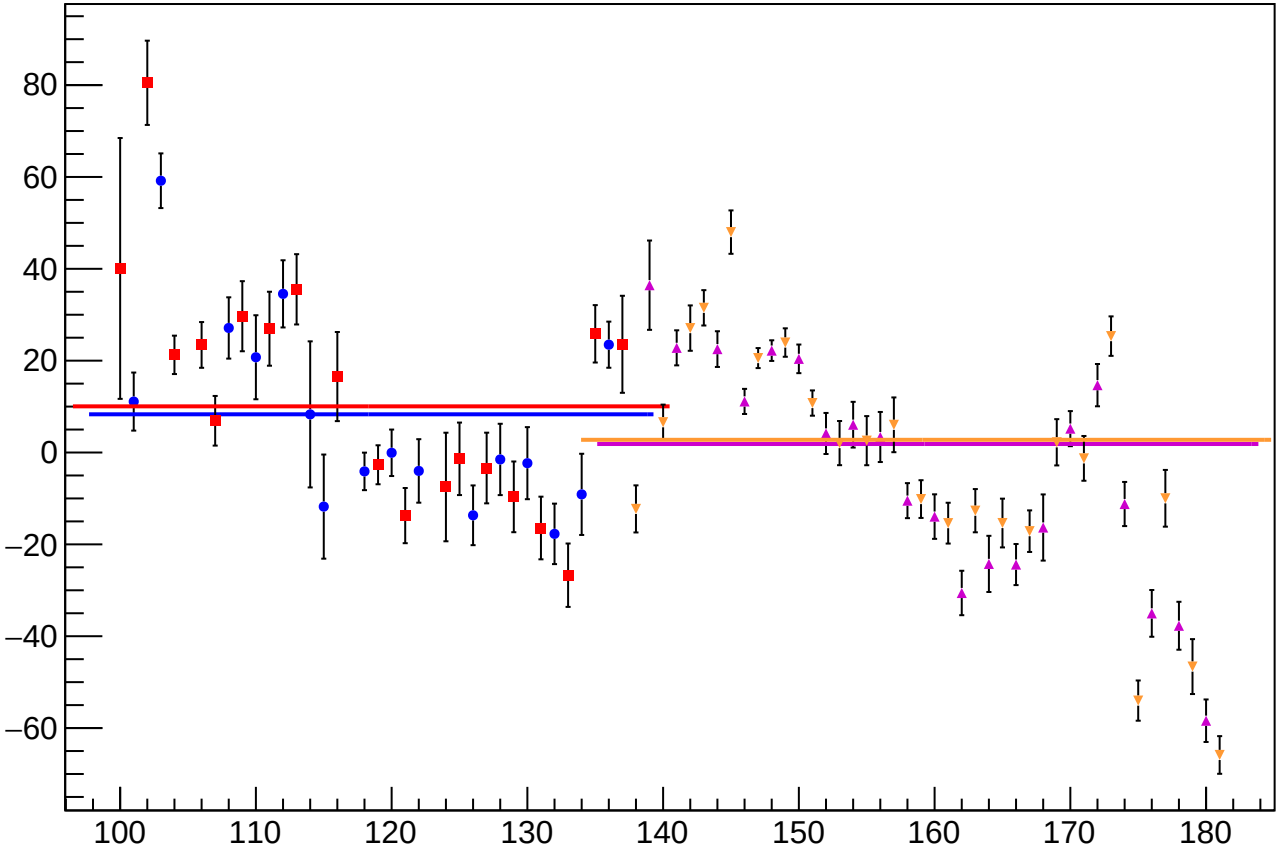
Left In: -246.549+/-1.257 χ^2/NDF:1754.8/20

+ sign -246.420+/-0.962 χ^2/NDF: 4419.7/38

All: -245.460+/-0.682 χ^2/NDF: 8321.5/78

- sign -244.495+/-0.965 χ^2/NDF: 3899.8/39

reg_asym_usr_atr2_avg_diff_bpm4aY_slope vs Slug



Right In: 8.320+/-1.644 χ^2/NDF: 157.6/15

Left Out: 2.767+/-0.860 χ^2/NDF:920.7/22

Right Out: 10.052+/-1.539 χ^2/NDF: 187.4/18

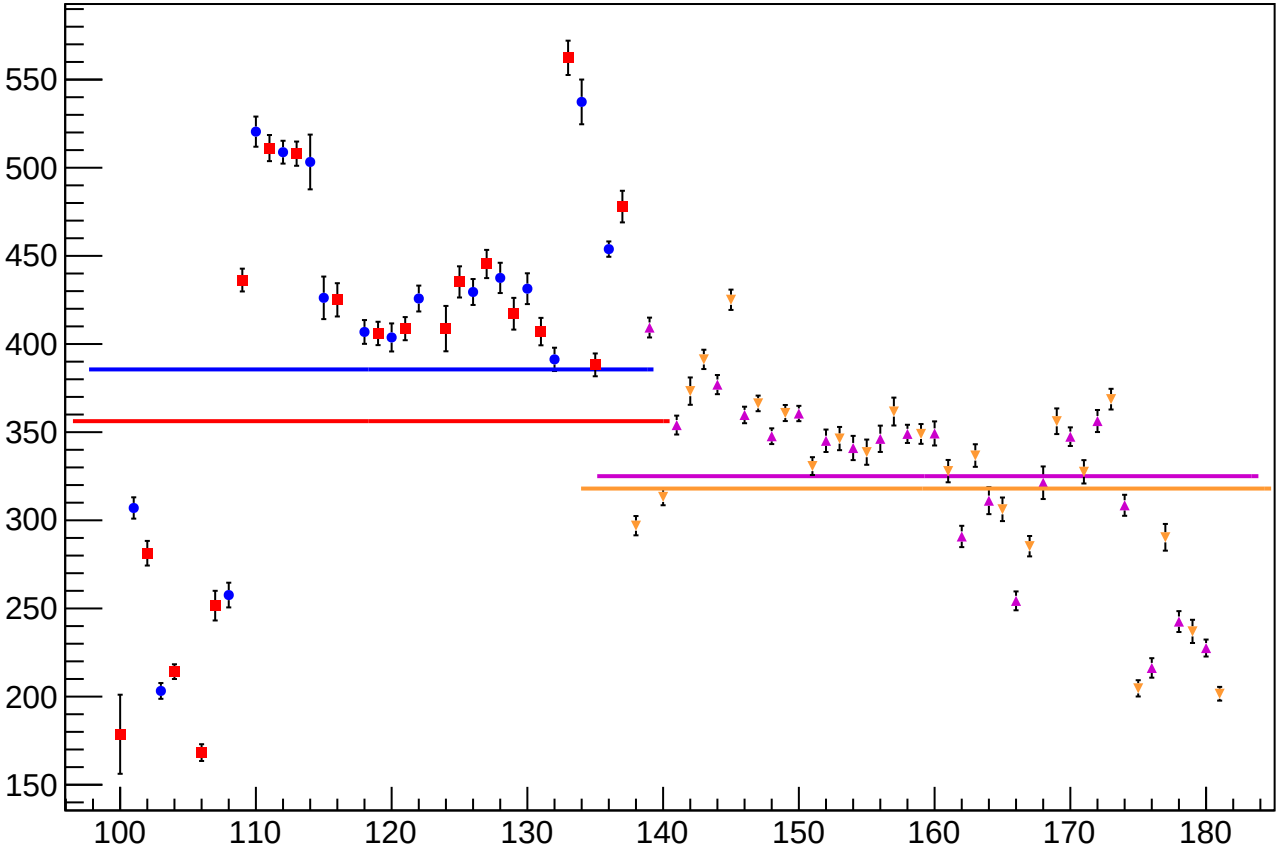
Left In: 1.851+/-0.900 χ^2/NDF:621.3/20

+ sign 3.959+/-0.762 χ^2/NDF: 1087.3/38

All: 3.950+/-0.544 χ^2/NDF: 1917.2/78

- sign 3.940+/-0.777 χ^2/NDF: 829.9/39

reg_asym_usr_atr2_avg_diff_bpm4eX_slope vs Slug



Right In: 385.590+/-1.742 χ^2/NDF: 3373.1/15

Left Out: 318.014+/-1.185 χ^2/NDF:2701.7/22

Right Out: 356.245+/-1.647 χ^2/NDF: 5270.3/18

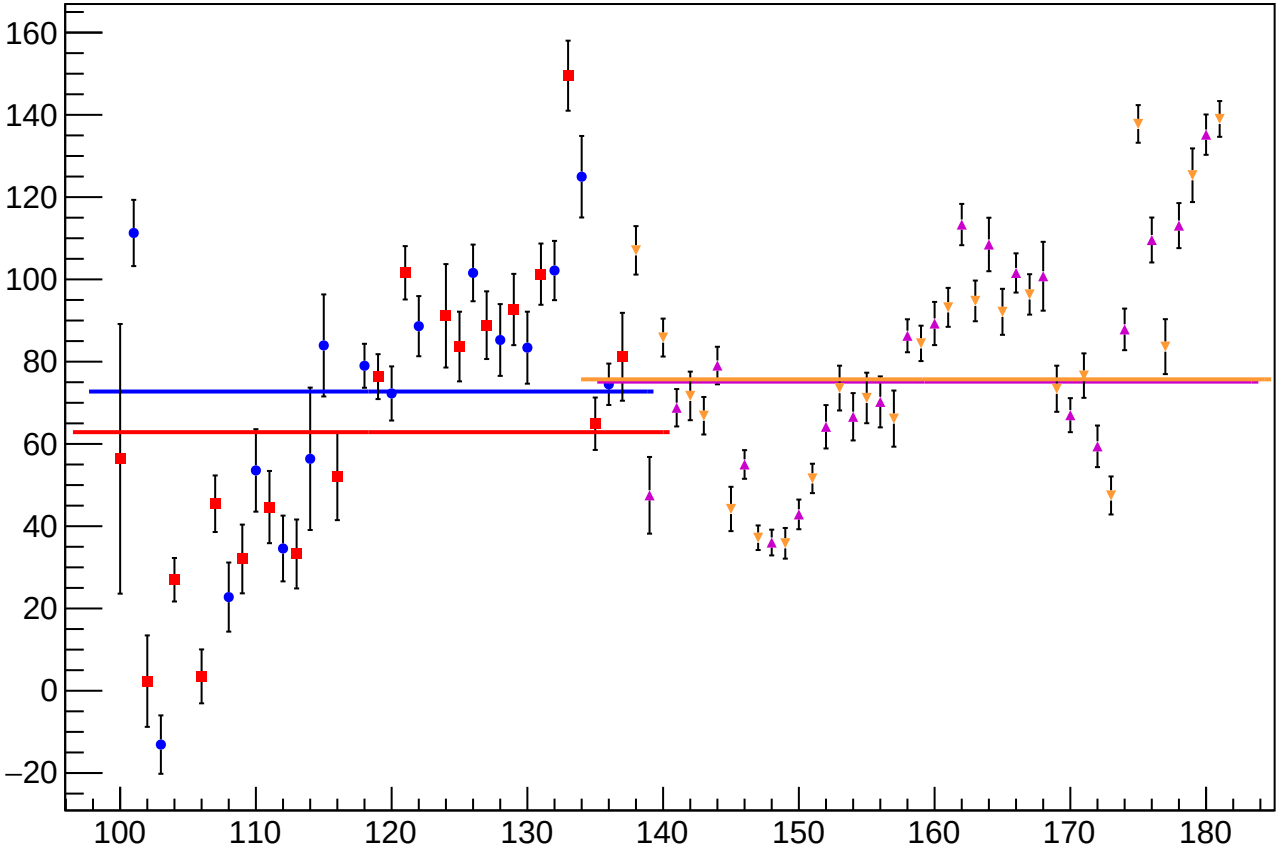
Left In: 325.042+/-1.234 χ^2/NDF:1801.2/20

+ sign 339.388+/-0.980 χ^2/NDF: 7103.4/38

All: 337.840+/-0.696 χ^2/NDF: 14409.8/78

- sign 336.267+/-0.988 χ^2/NDF: 7301.4/39

reg_asym_usr_atr2_avg_diff_bpm4eY_slope vs Slug



Right In: 72.740+/-1.897 χ^2/NDF: 304.3/15

Left Out: 75.704+/-0.998 χ^2/NDF:951.6/22

Right Out: 62.863+/-1.795 χ^2/NDF: 403.6/18

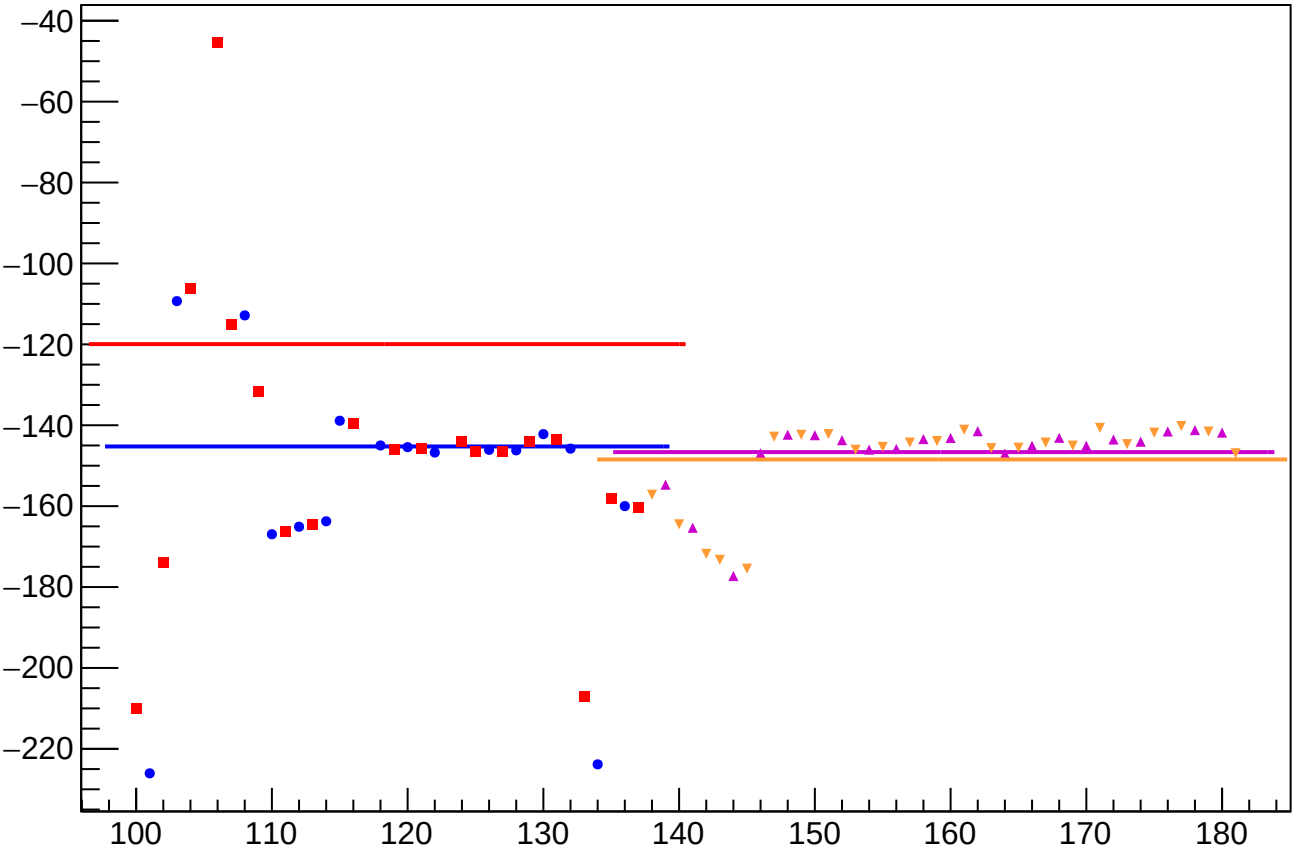
Left In: 75.146+/-1.039 χ^2/NDF:685.4/20

+ sign 75.061+/-0.883 χ^2/NDF: 1257.8/38

All: 73.589+/-0.630 χ^2/NDF: 2387.6/78

- sign 72.064+/-0.899 χ^2/NDF: 1124.1/39

reg_asym_usr_atr2_avg_diff_bpm12X_slope vs Slug



Right In: -145.246+/-0.098 χ^2/NDF: 132057.3/15

Left Out: -148.460+/-0.047 χ^2/NDF:48306.1/22

Right Out: -119.947+/-0.089 χ^2/NDF: 270354.1/18

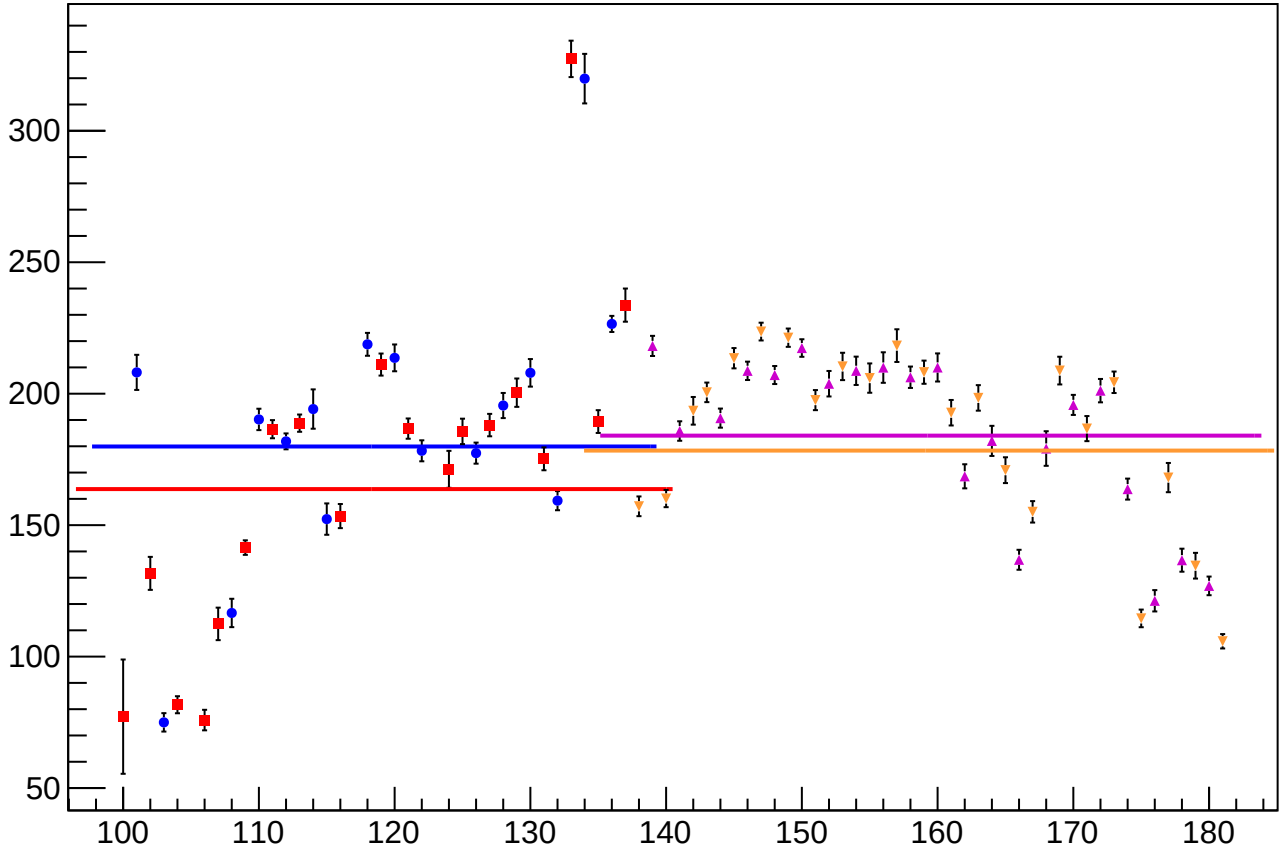
Left In: -146.637+/-0.048 χ^2/NDF:29029.3/20

+ sign -147.865+/-0.042 χ^2/NDF: 181233.5/38

All: -144.252+/-0.030 χ^2/NDF: 565046.5/78

- sign -140.700+/-0.042 χ^2/NDF: 369358.0/39

reg_asym_usr_atr2_dd_diff_bpm1X_slope vs Slug



Right In: 179.918+/-1.089 χ^2/NDF: 1732.7/15

Left Out: 178.363+/-0.861 χ^2/NDF:1981.5/22

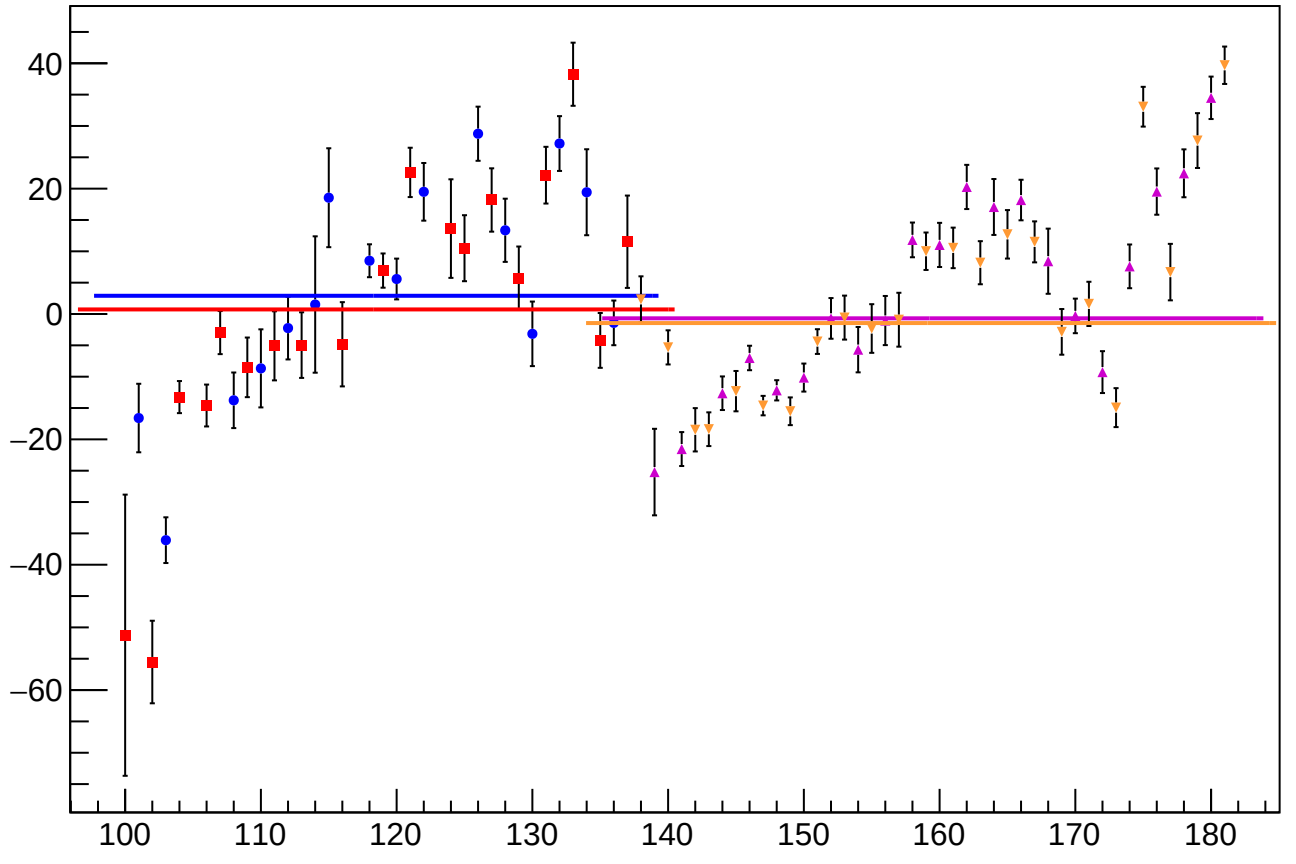
Right Out: 163.718+/-1.001 χ^2/NDF: 2416.8/18

Left In: 184.048+/-0.905 χ^2/NDF:1222.0/20

+ sign 178.962+/-0.676 χ^2/NDF: 3715.4/38

All: 176.918+/-0.476 χ^2/NDF: 7599.3/78

- sign 174.900+/-0.671 χ^2/NDF: 3865.8/39



Right In: 2.907+/-1.105 χ^2/NDF: 247.5/15

Left Out: -1.445+/-0.617 χ^2/NDF:634.2/22

Right Out: 0.729+/-1.012 χ^2/NDF: 273.6/18

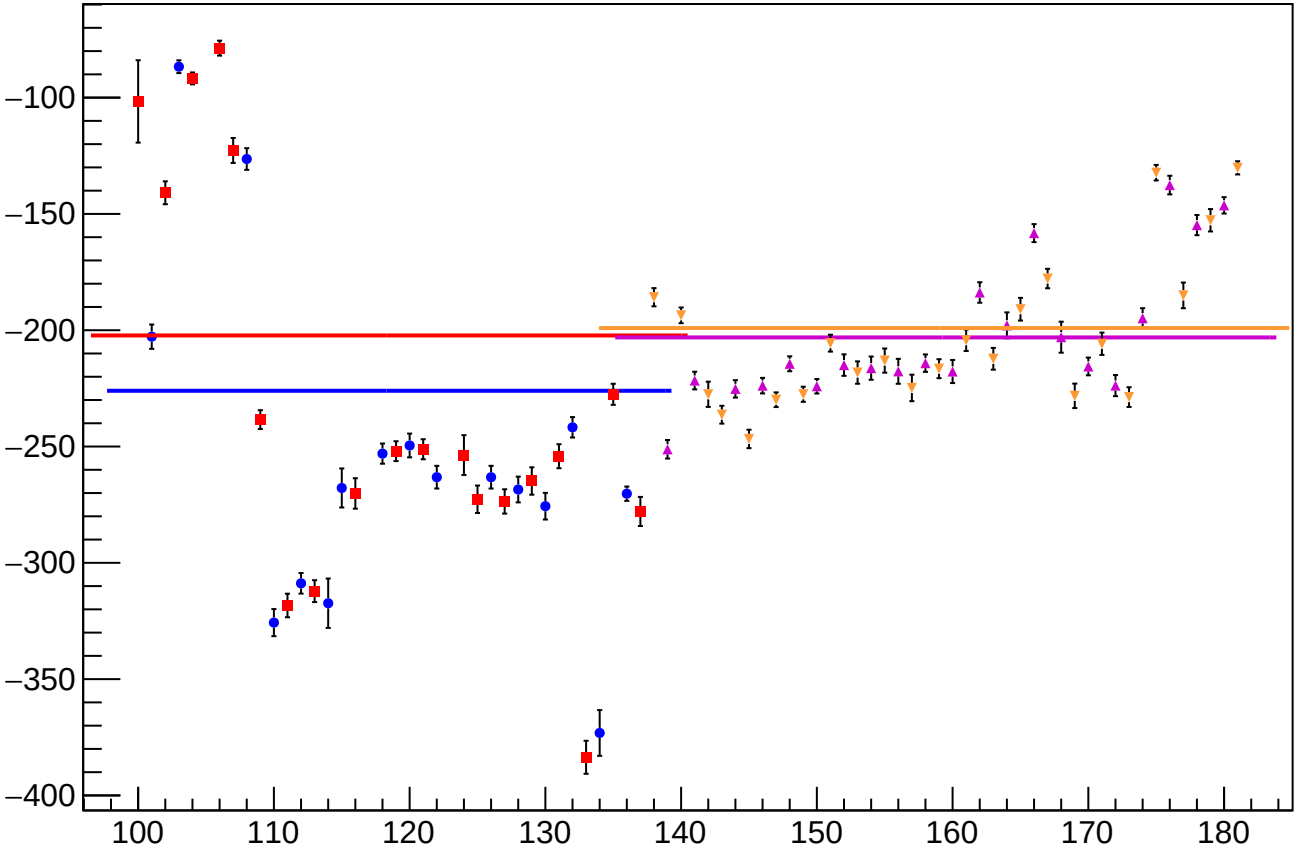
Left In: -0.688+/-0.647 χ^2/NDF:479.5/20

\+ sign -0.411+/-0.538 χ^2/NDF: 893.6/38

All: -0.345+/-0.383 χ^2/NDF: 1648.1/78

\- sign -0.277+/-0.545 χ^2/NDF: 754.4/39

reg_asym_usr_atr2_dd_diff_bpm4eX_slope vs Slug



Right In: -226.028+/-1.175 χ^2/NDF: 4539.0/15

Left Out: -199.056+/-0.852 χ^2/NDF:1725.3/22

Right Out: -202.247+/-1.087 χ^2/NDF: 6690.8/18

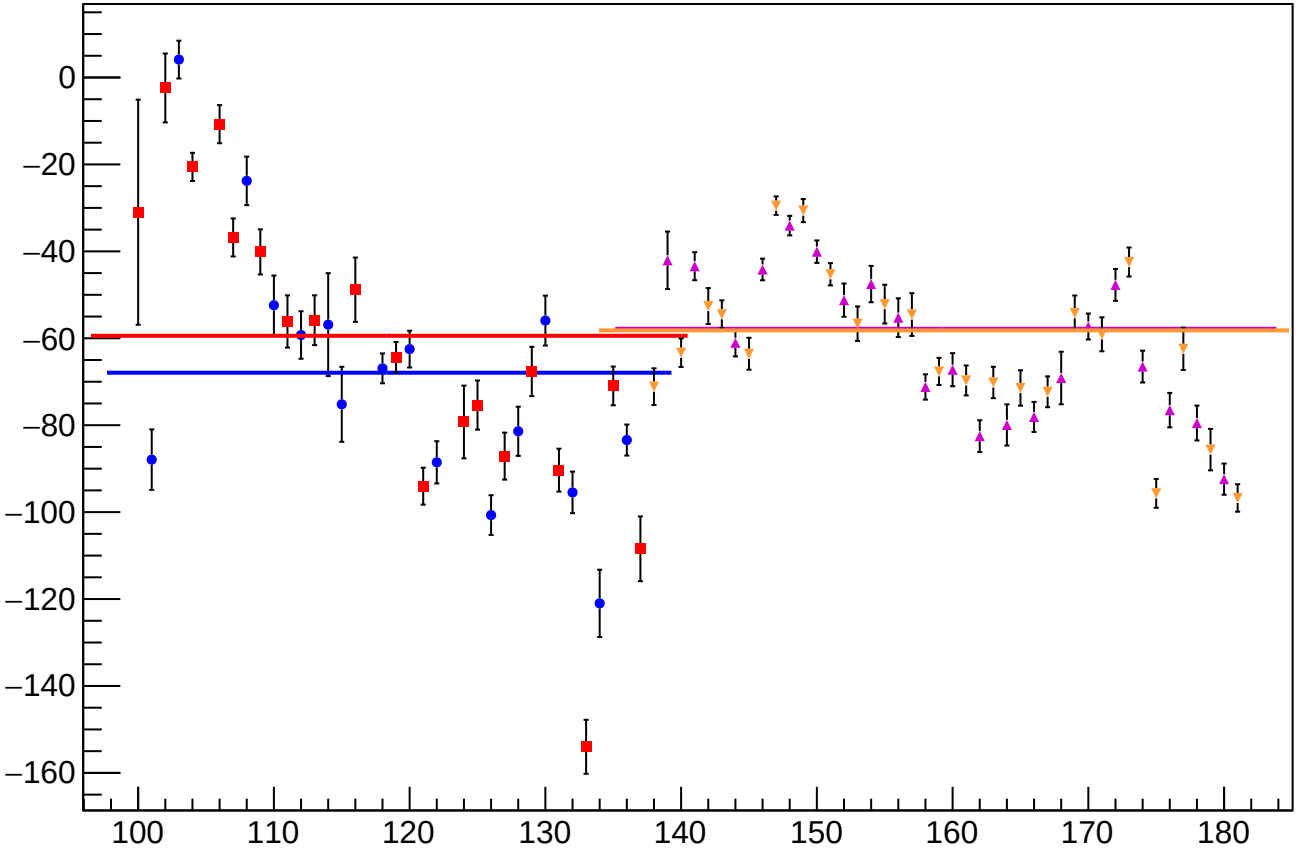
Left In: -203.096+/-0.889 χ^2/NDF:1179.1/20

+ sign -208.346+/-0.690 χ^2/NDF: 6609.8/38

All: -205.545+/-0.487 χ^2/NDF: 14513.0/78

- sign -202.756+/-0.688 χ^2/NDF: 7870.3/39

reg_asym_usr_atr2_dd_diff_bpm4eY_slope vs Slug



Right In: -67.927+/-1.278 χ^2/NDF: 534.0/15

Left Out: -58.188+/-0.717 χ^2/NDF:725.0/22

Right Out: -59.428+/-1.184 χ^2/NDF: 794.9/18

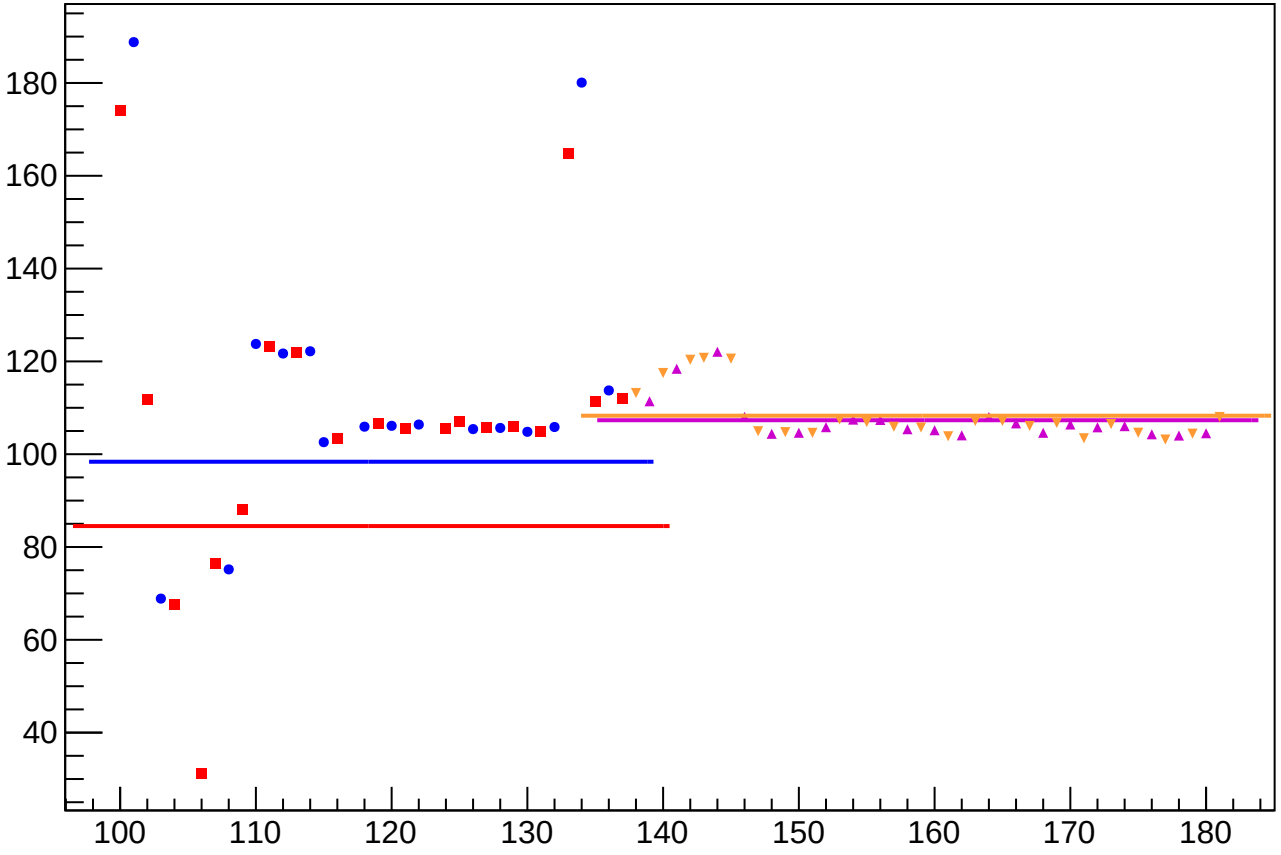
Left In: -57.811+/-0.748 χ^2/NDF:515.4/20

+ sign -60.519+/-0.625 χ^2/NDF: 1303.2/38

All: -59.408+/-0.445 χ^2/NDF: 2621.1/78

- sign -58.272+/-0.632 χ^2/NDF: 1311.6/39

reg_asym_usr_atr2_dd_diff_bpm12X_slope vs Slug



Right In: 98.377+/-0.066 χ^2/NDF: 228419.7/15

Left Out: 108.299+/-0.034 χ^2/NDF:26064.5/22

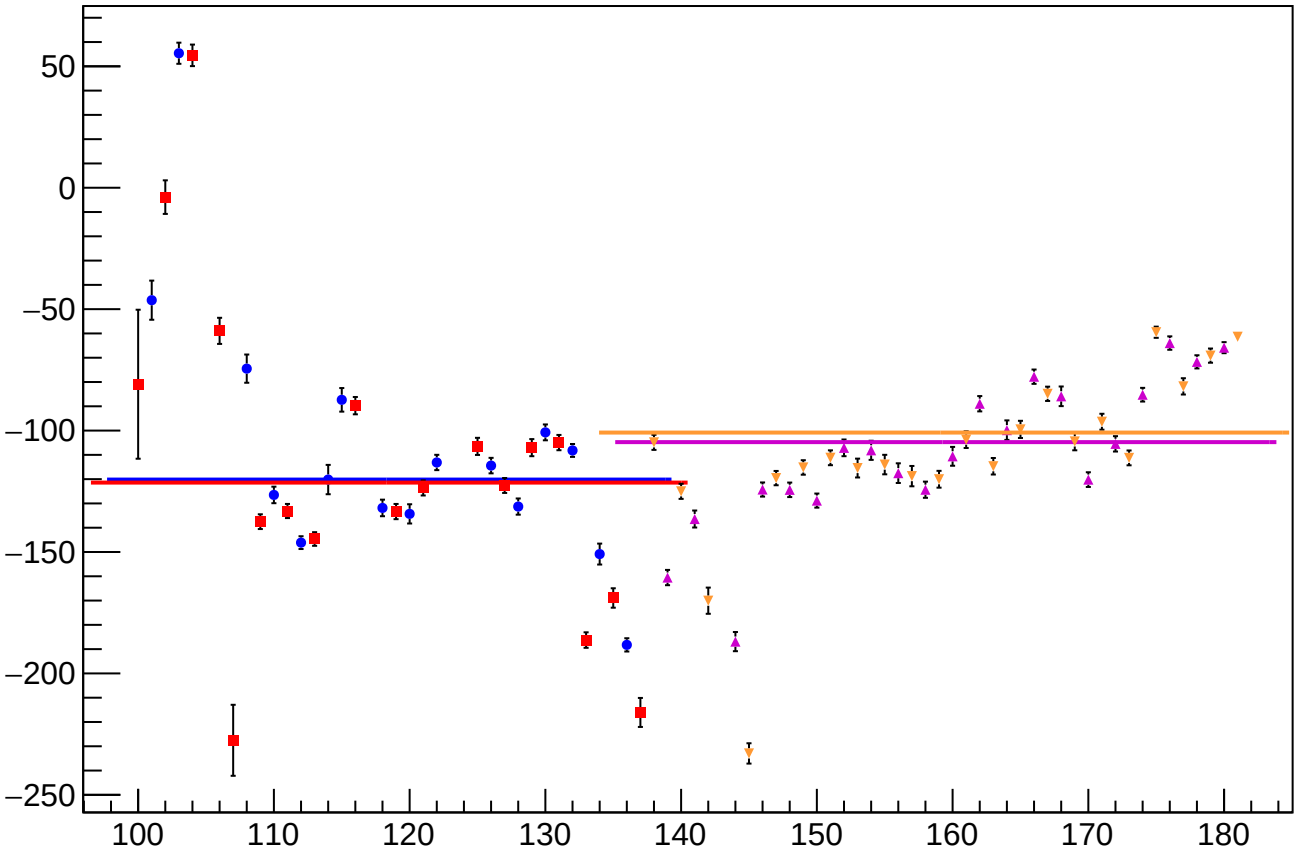
Right Out: 84.512+/-0.061 χ^2/NDF: 268911.0/18

Left In: 107.319+/-0.034 χ^2/NDF:16773.6/20

+ sign 106.248+/-0.030 χ^2/NDF: 272390.7/38

All: 104.006+/-0.021 χ^2/NDF: 676362.6/78

- sign 101.792+/-0.030 χ^2/NDF: 392894.8/39



Right In: -120.177+/-0.891 χ^2/NDF: 2691.2/15

Left Out: -100.817+/-0.678 χ^2/NDF:2276.9/21

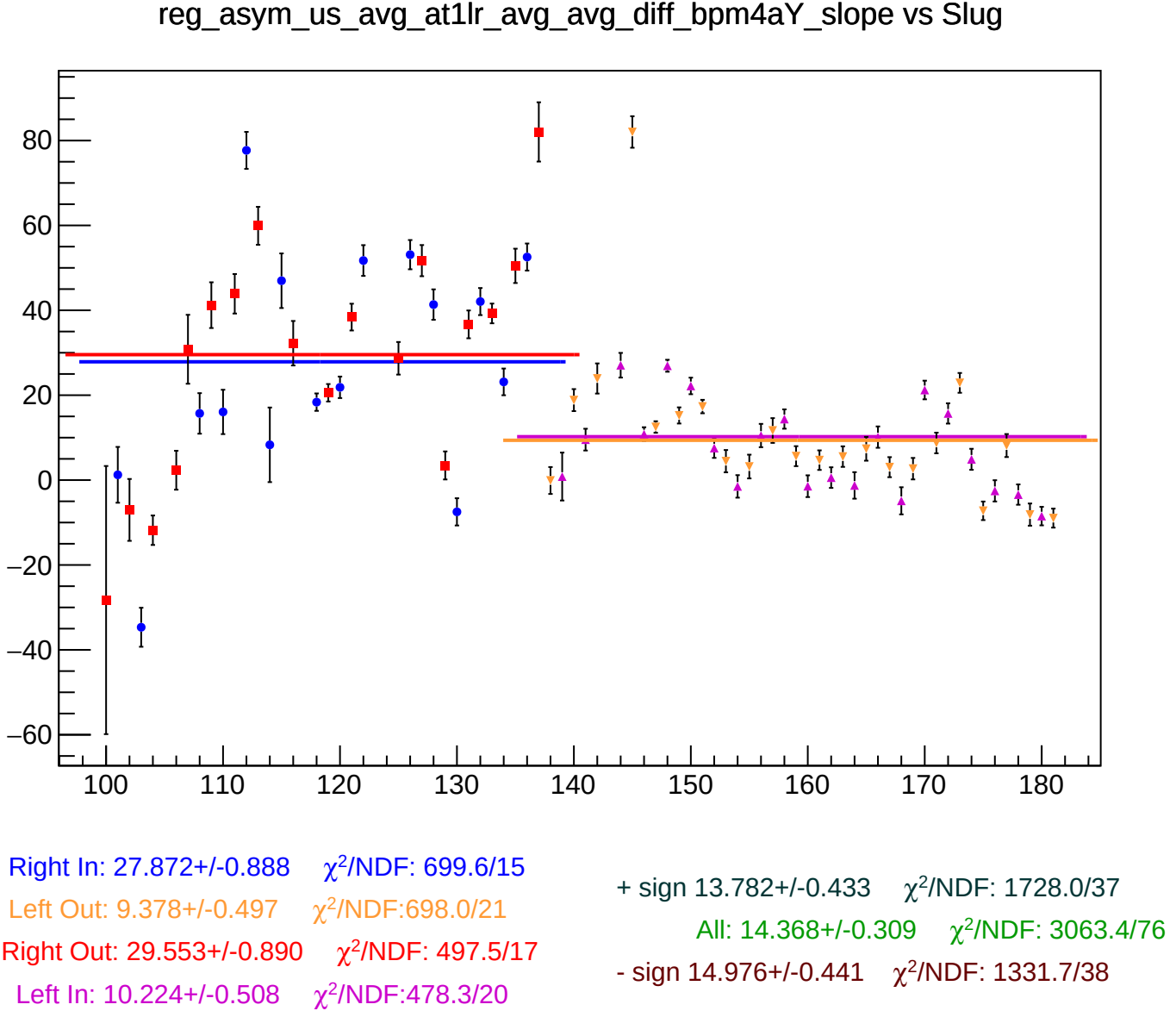
Right Out: -121.418+/-0.875 χ^2/NDF: 3126.3/17

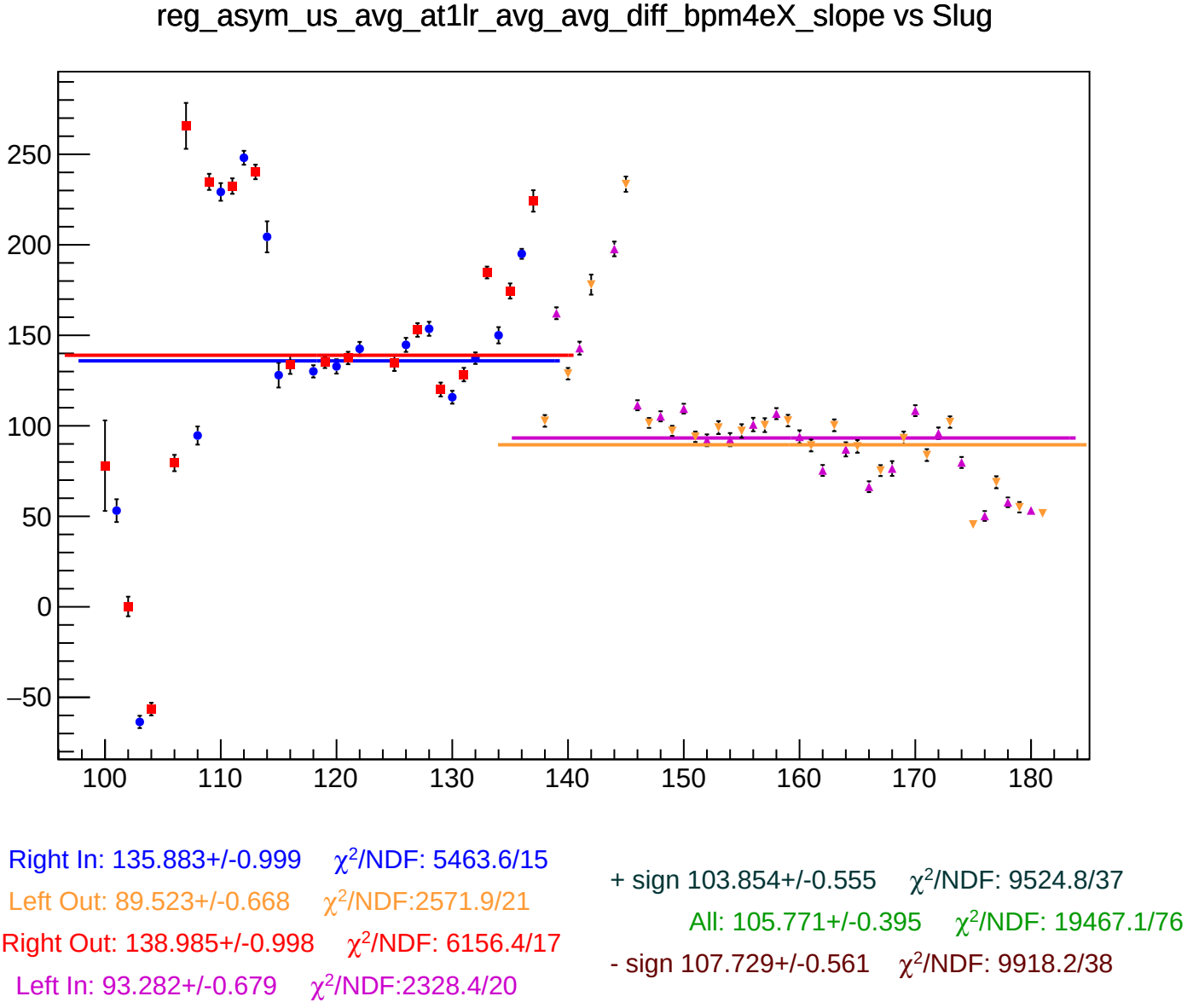
Left In: -104.755+/-0.691 χ^2/NDF:1896.9/20

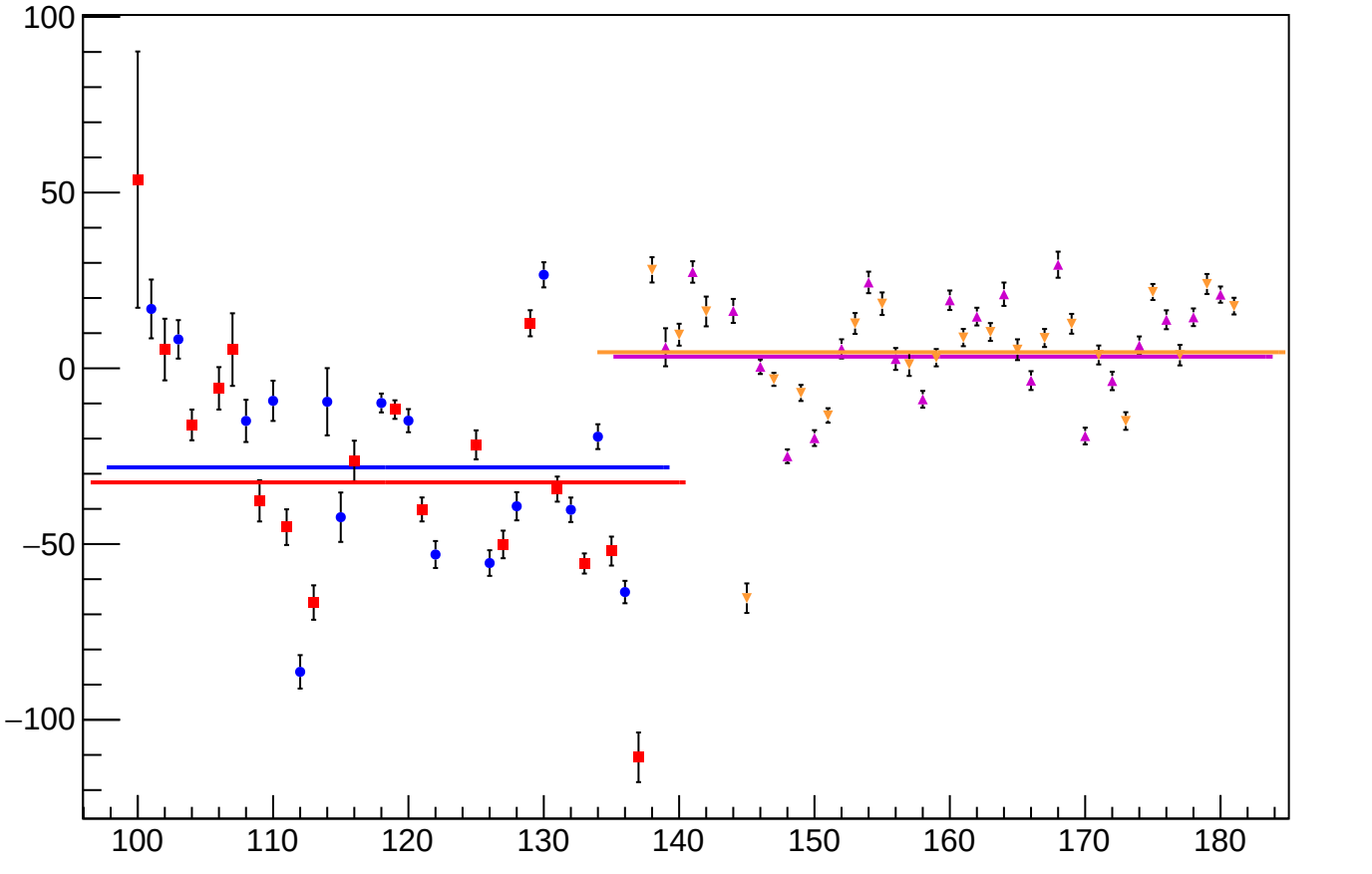
+ sign -107.918+/-0.539 χ^2/NDF: 5267.4/37

All: -109.526+/-0.382 χ^2/NDF: 10531.8/76

- sign -111.151+/-0.542 χ^2/NDF: 5246.6/38


reg_asym_us_avg_at1lr_avg_avg_diff_bpm4aY_slope vs Slug
80
60
40
20
0
−20
−40
−60
100
110
120
130
140
150
160
170
180
Right In: 27.872+/-0.888 χ²/NDF: 699.6/15
Left Out: 9.378+/-0.497 χ²/NDF:698.0/21
Right Out: 29.553+/-0.890 χ²/NDF: 497.5/17
Left In: 10.224+/-0.508 χ²/NDF:478.3/20
+ sign 13.782+/-0.433 χ²/NDF: 1728.0/37
All: 14.368+/-0.309 χ²/NDF: 3063.4/76
- sign 14.976+/-0.441 χ²/NDF: 1331.7/38


reg_asym_us_avg_at1lr_avg_avg_diff_bpm4eX_slope vs Slug
250
200
150
100
50
0
−50
100
110
120
130
140
150
160
170
180
Right In: 135.883+/-0.999 χ²/NDF: 5463.6/15
Left Out: 89.523+/-0.668 χ²/NDF:2571.9/21
Right Out: 138.985+/-0.998 χ²/NDF: 6156.4/17
Left In: 93.282+/-0.679 χ²/NDF:2328.4/20
+ sign 103.854+/-0.555 χ²/NDF: 9524.8/37
All: 105.771+/-0.395 χ²/NDF: 19467.1/76
- sign 107.729+/-0.561 χ²/NDF: 9918.2/38



Right In: -28.175+/-1.022 χ^2/NDF: 791.2/15

Left Out: 4.577+/-0.569 χ^2/NDF:689.8/21

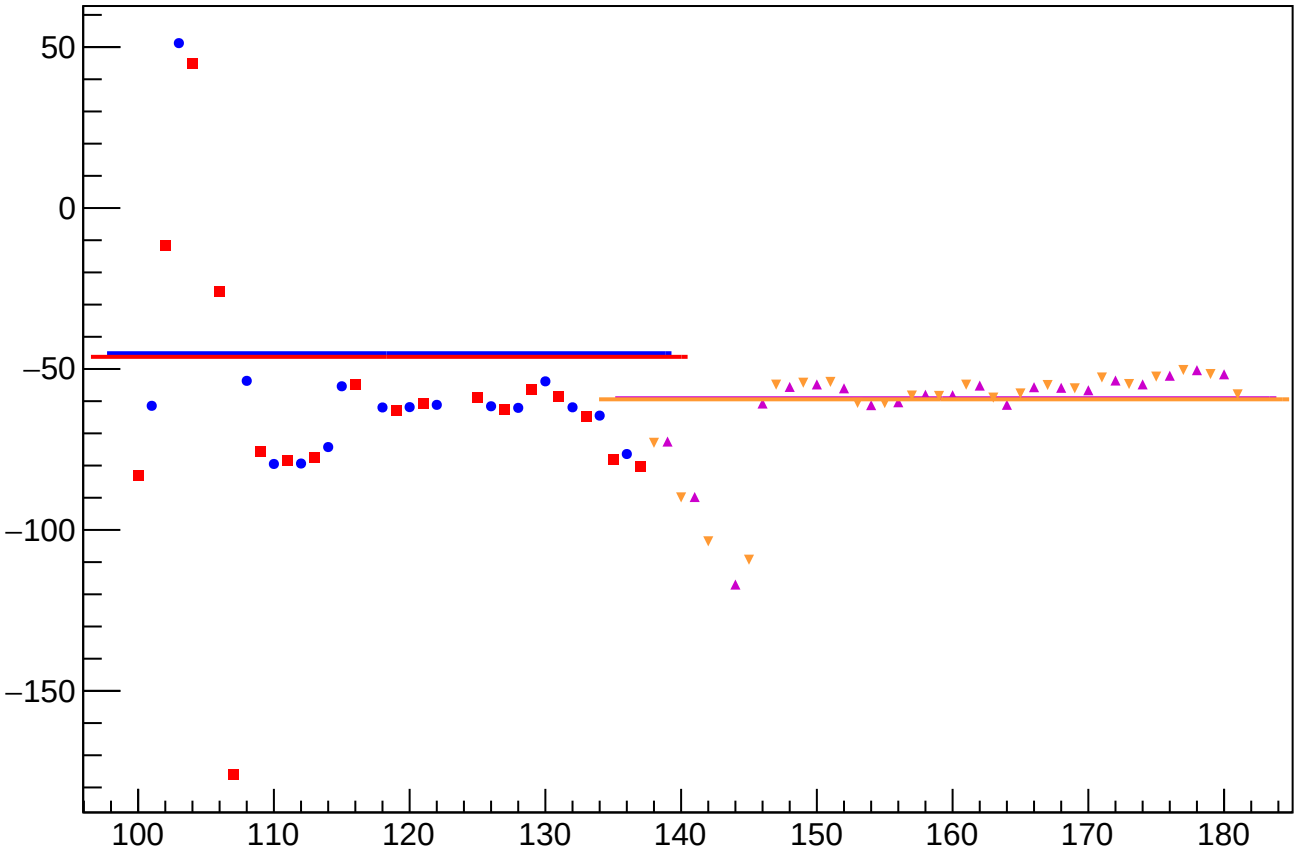
Right Out: -32.459+/-1.027 χ^2/NDF: 580.8/17

Left In: 3.318+/-0.579 χ^2/NDF:799.2/20

+ sign -3.162+/-0.497 χ^2/NDF: 2265.0/37

All: -4.216+/-0.354 χ^2/NDF: 4574.6/76

- sign -5.303+/-0.504 χ^2/NDF: 2300.5/38



Right In: -45.106+/-0.060 χ^2/NDF: 575184.2/15

Left Out: -59.425+/-0.026 χ^2/NDF:213369.5/21

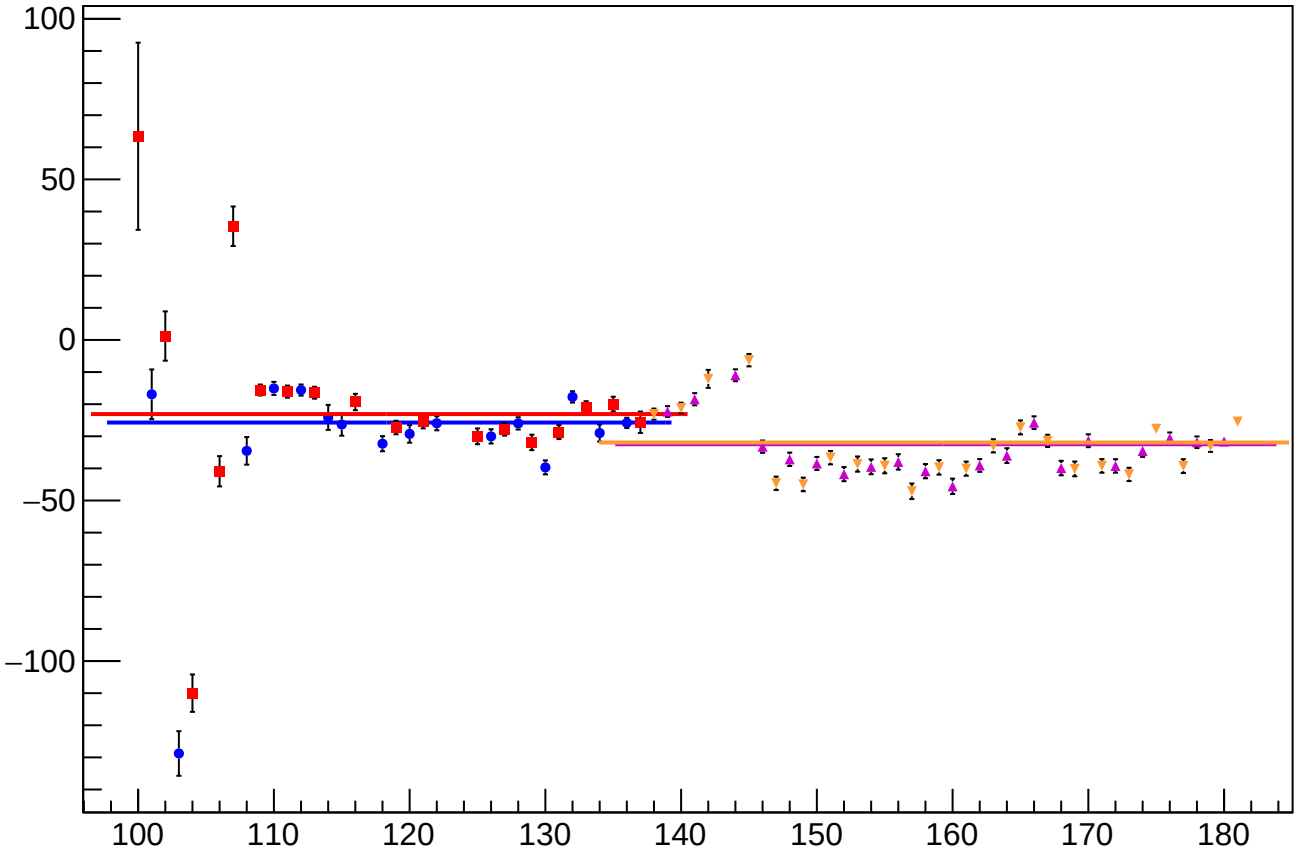
Right Out: -46.229+/-0.063 χ^2/NDF: 493616.3/17

Left In: -59.094+/-0.026 χ^2/NDF:182467.7/20

+ sign -57.158+/-0.024 χ^2/NDF: 836281.1/37

All: -57.175+/-0.017 χ^2/NDF: 1548374.7/76

- sign -57.193+/-0.024 χ^2/NDF: 712092.6/38



Right In: -25.721+/-0.590 χ^2/NDF: 363.0/15

Left Out: -31.931+/-0.424 χ^2/NDF:550.7/21

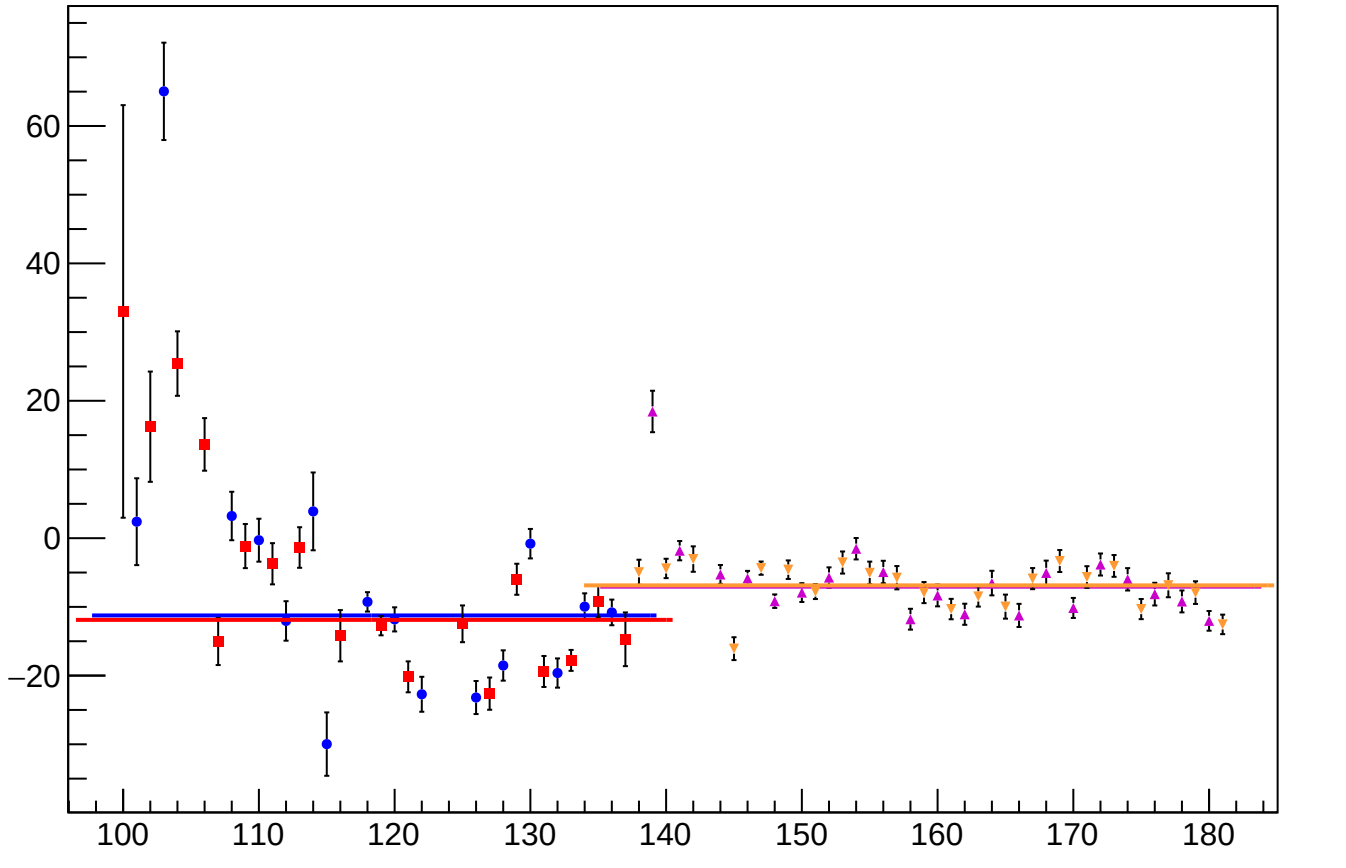
Right Out: -23.079+/-0.582 χ^2/NDF: 437.1/17

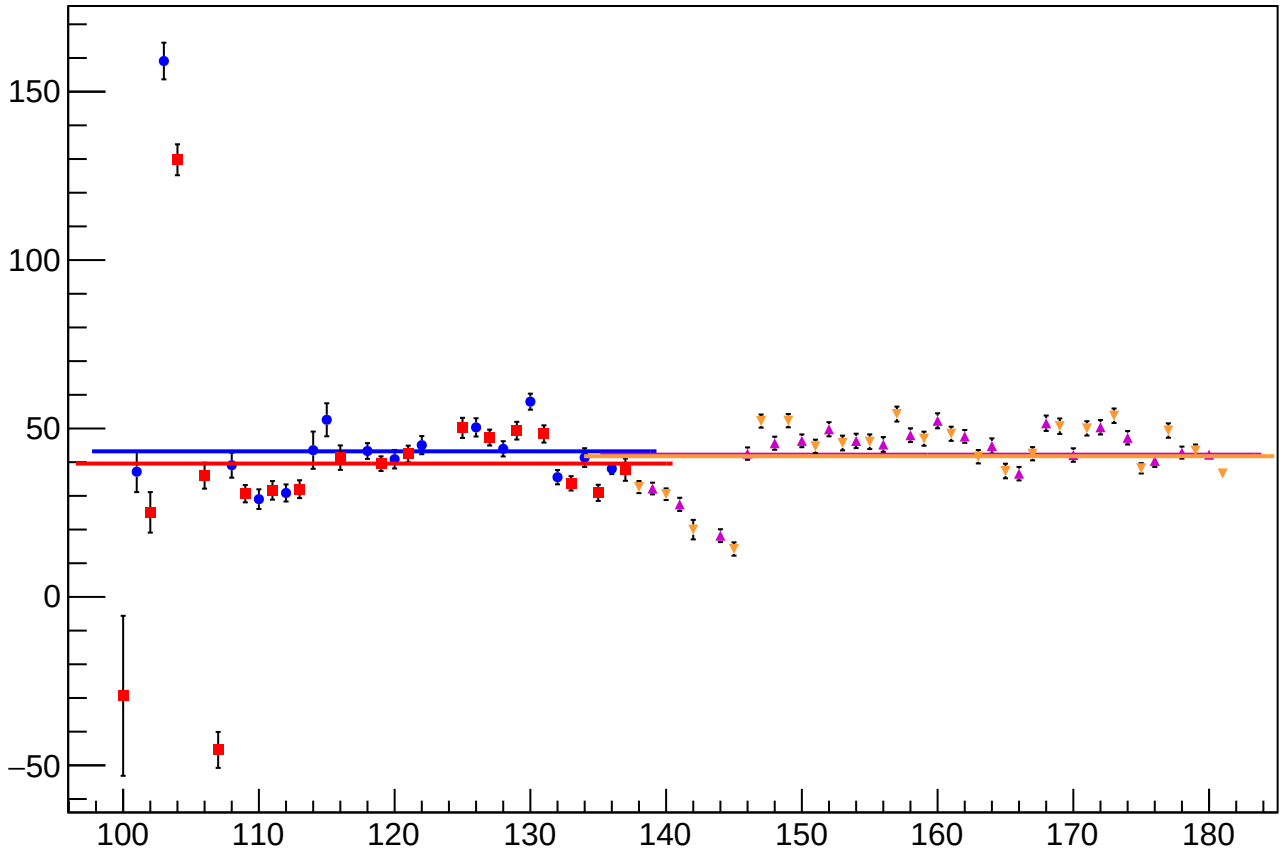
Left In: -32.473+/-0.433 χ^2/NDF:364.3/20

+ sign -29.820+/-0.344 χ^2/NDF: 986.8/37

All: -29.475+/-0.244 χ^2/NDF: 1957.9/76

- sign -29.123+/-0.347 χ^2/NDF: 969.1/38


reg_asym_us_avg_at1lr_avg_dd_diff_bpm4aY_slope vs Slug
60
40
20
0
−20
100
110
120
130
140
150
160
170
180
Right In: -11.246+/-0.600 χ²/NDF: 271.1/15
Left Out: -6.868+/-0.317 χ²/NDF:96.5/21
Right Out: -11.890+/-0.607 χ²/NDF: 224.5/17
Left In: -7.055+/-0.324 χ²/NDF:156.3/20
+ sign -7.823+/-0.280 χ²/NDF: 409.2/37
All: -7.973+/-0.200 χ²/NDF: 839.9/76
- sign -8.129+/-0.286 χ²/NDF: 430.1/38



Right In: 43.222+/-0.678 χ^2/NDF: 576.0/15

Left Out: 41.781+/-0.419 χ^2/NDF:531.7/21

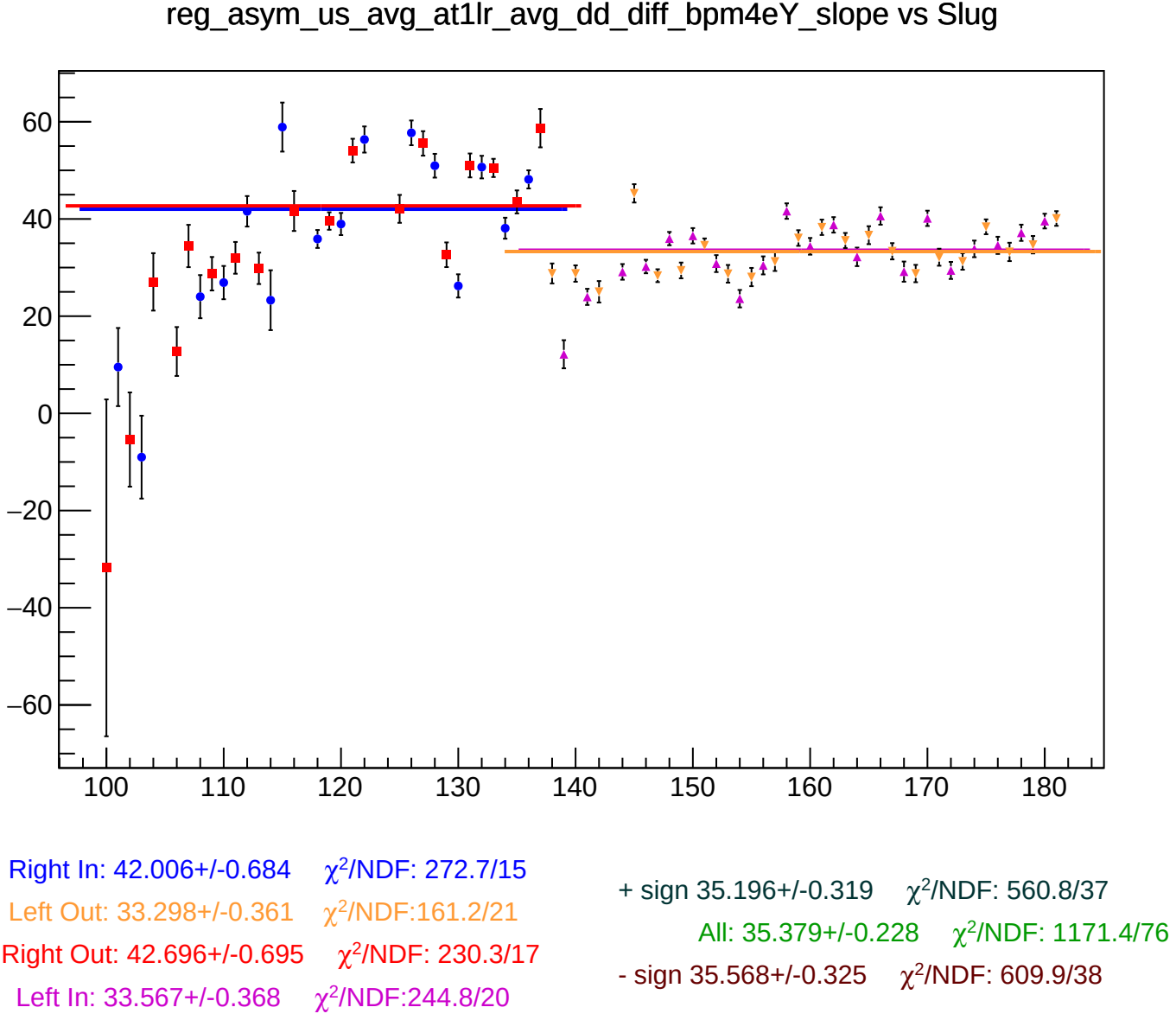
Right Out: 39.587+/-0.685 χ^2/NDF: 754.0/17

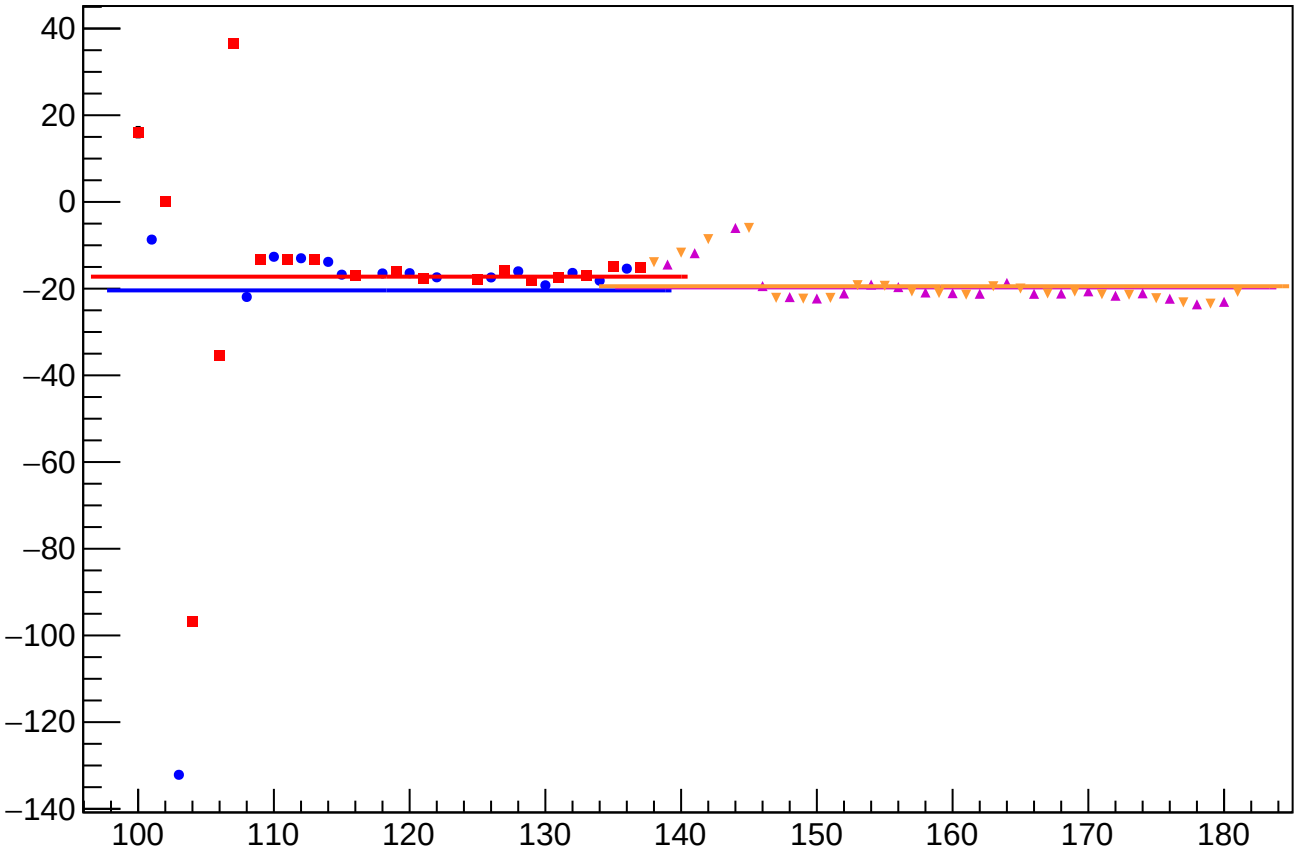
Left In: 42.232+/-0.427 χ^2/NDF:358.3/20

+ sign 42.179+/-0.356 χ^2/NDF: 1110.9/37

All: 41.841+/-0.254 χ^2/NDF: 2235.8/76

- sign 41.492+/-0.362 χ^2/NDF: 1123.0/38


reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eY_slope vs Slug
60
40
20
0
−20
−40
−60
100
110
120
130
140
150
160
170
180
Right In: 42.006+/-0.684 χ²/NDF: 272.7/15
Left Out: 33.298+/-0.361 χ²/NDF:161.2/21
Right Out: 42.696+/-0.695 χ²/NDF: 230.3/17
Left In: 33.567+/-0.368 χ²/NDF:244.8/20
+ sign 35.196+/-0.319 χ²/NDF: 560.8/37
All: 35.379+/-0.228 χ²/NDF: 1171.4/76
- sign 35.568+/-0.325 χ²/NDF: 609.9/38



Right In: -20.405+/-0.042 χ^2/NDF: 245611.9/15

Left Out: -19.449+/-0.016 χ^2/NDF:68017.0/21

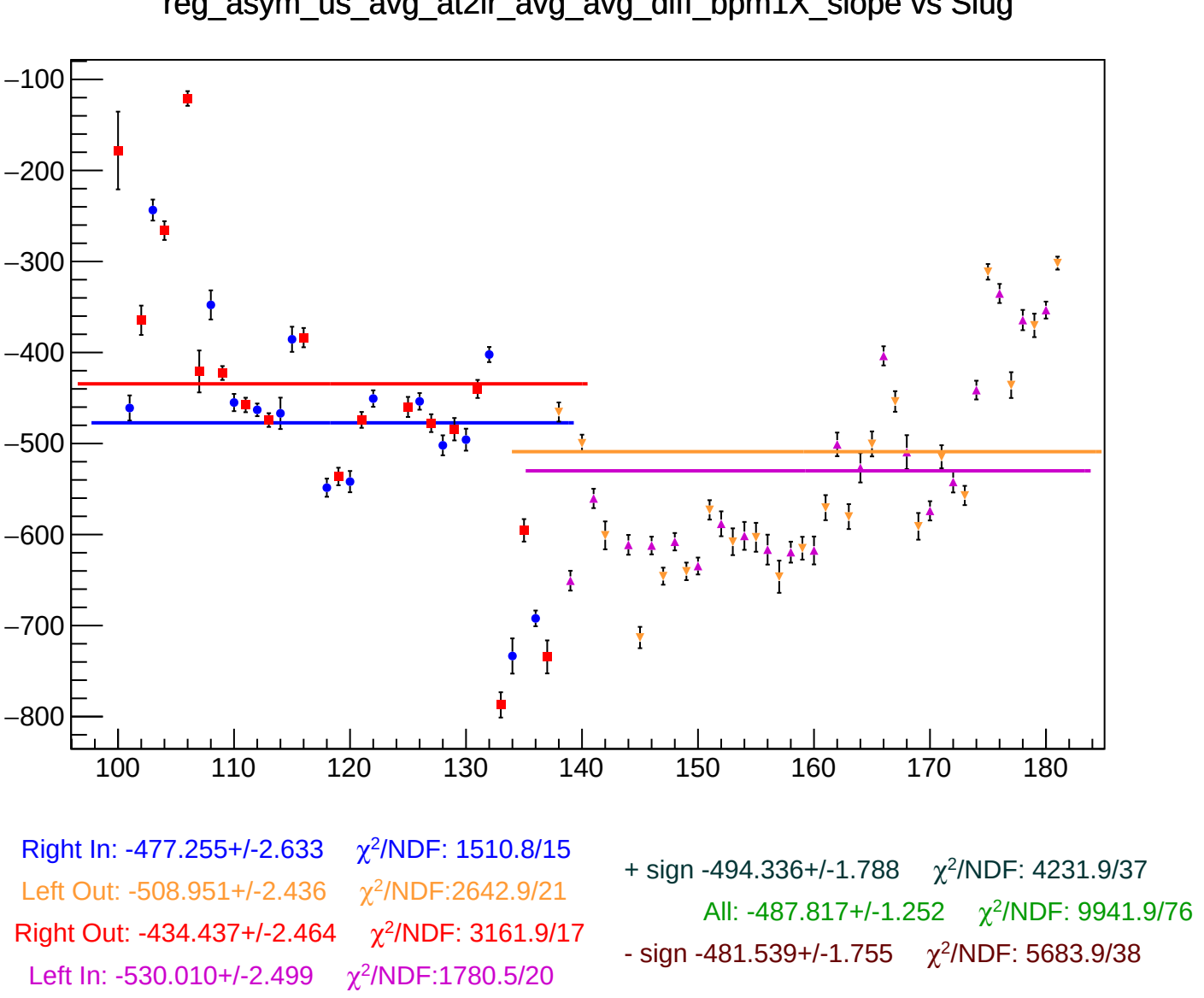
Right Out: -17.236+/-0.044 χ^2/NDF: 204657.3/17

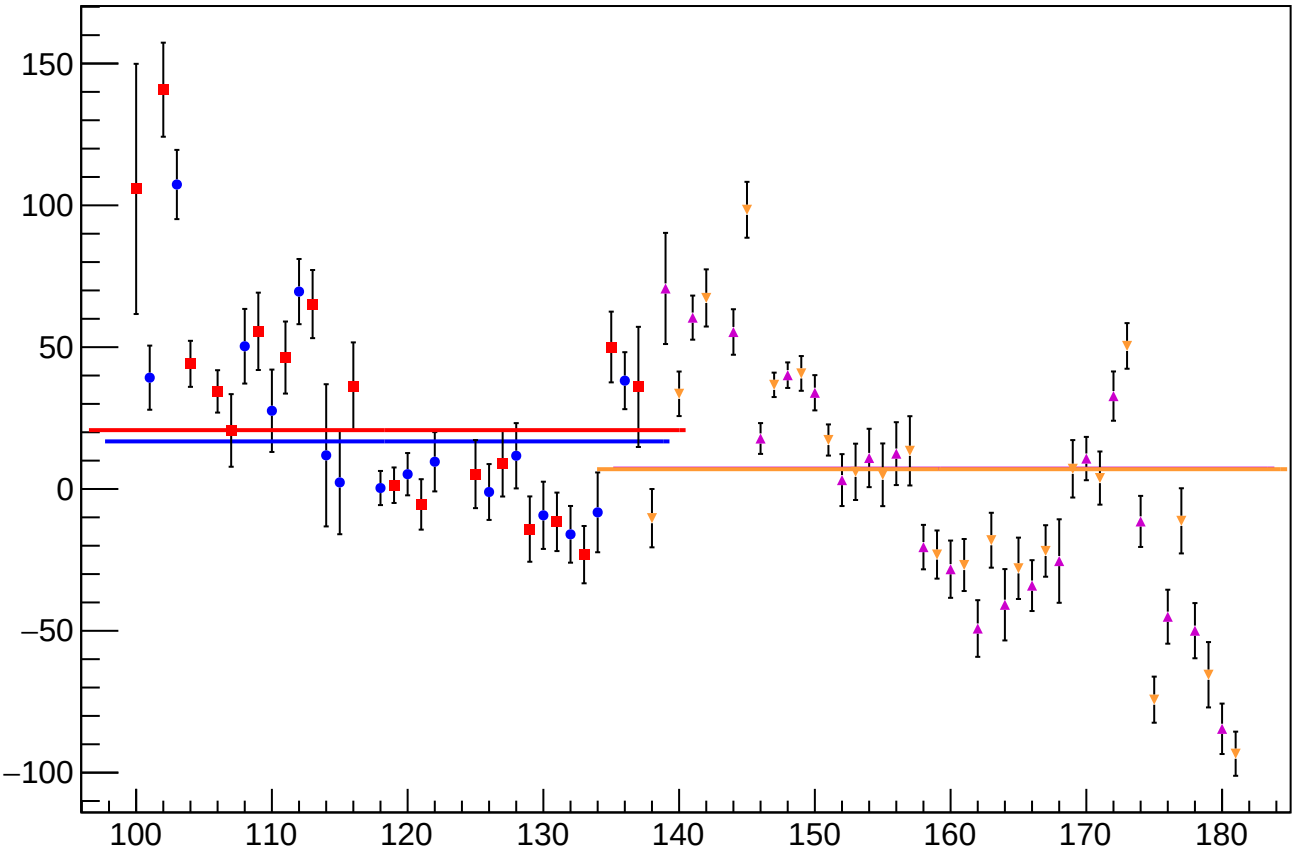
Left In: -19.712+/-0.016 χ^2/NDF:53995.9/20

+ sign -19.574+/-0.015 χ^2/NDF: 314081.3/37

All: -19.495+/-0.011 χ^2/NDF: 575563.8/76

- sign -19.414+/-0.015 χ^2/NDF: 261427.5/38


reg_asym_us_avg_at2lr_avg_avg_diff_bpm1X_slope vs Slug
−100
−200
−300
−400
−500
−600
−700
−800
100
110
120
130
140
150
160
170
180
Right In: -477.255+/-2.633 χ²/NDF: 1510.8/15
Left Out: -508.951+/-2.436 χ²/NDF:2642.9/21
Right Out: -434.437+/-2.464 χ²/NDF: 3161.9/17
Left In: -530.010+/-2.499 χ²/NDF:1780.5/20
+ sign -494.336+/-1.788 χ²/NDF: 4231.9/37
All: -487.817+/-1.252 χ²/NDF: 9941.9/76
- sign -481.539+/-1.755 χ²/NDF: 5683.9/38



Right In: 16.780+/-2.654 χ^2/NDF: 125.0/15

Left Out: 6.979+/-1.754 χ^2/NDF:609.1/21

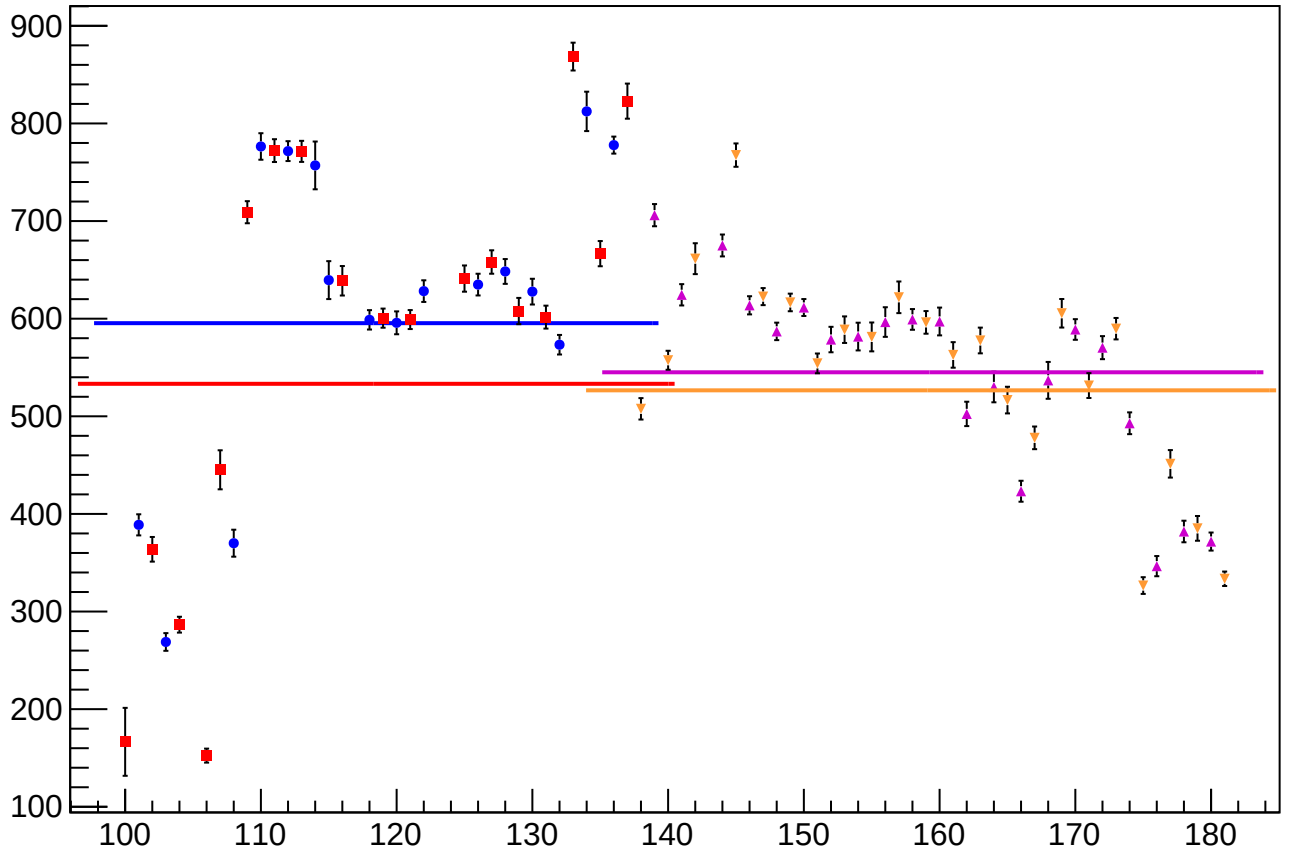
Right Out: 20.749+/-2.548 χ^2/NDF: 157.9/17

Left In: 7.179+/-1.797 χ^2/NDF:451.4/20

\+ sign 9.957+/-1.463 χ^2/NDF: 743.6/37

All: 10.818+/-1.036 χ^2/NDF: 1372.5/76

\- sign 11.684+/-1.468 χ^2/NDF: 628.2/38



Right In: 595.406+/-2.930 χ^2/NDF: 3059.7/15

Left Out: 526.600+/-2.405 χ^2/NDF:2305.7/21

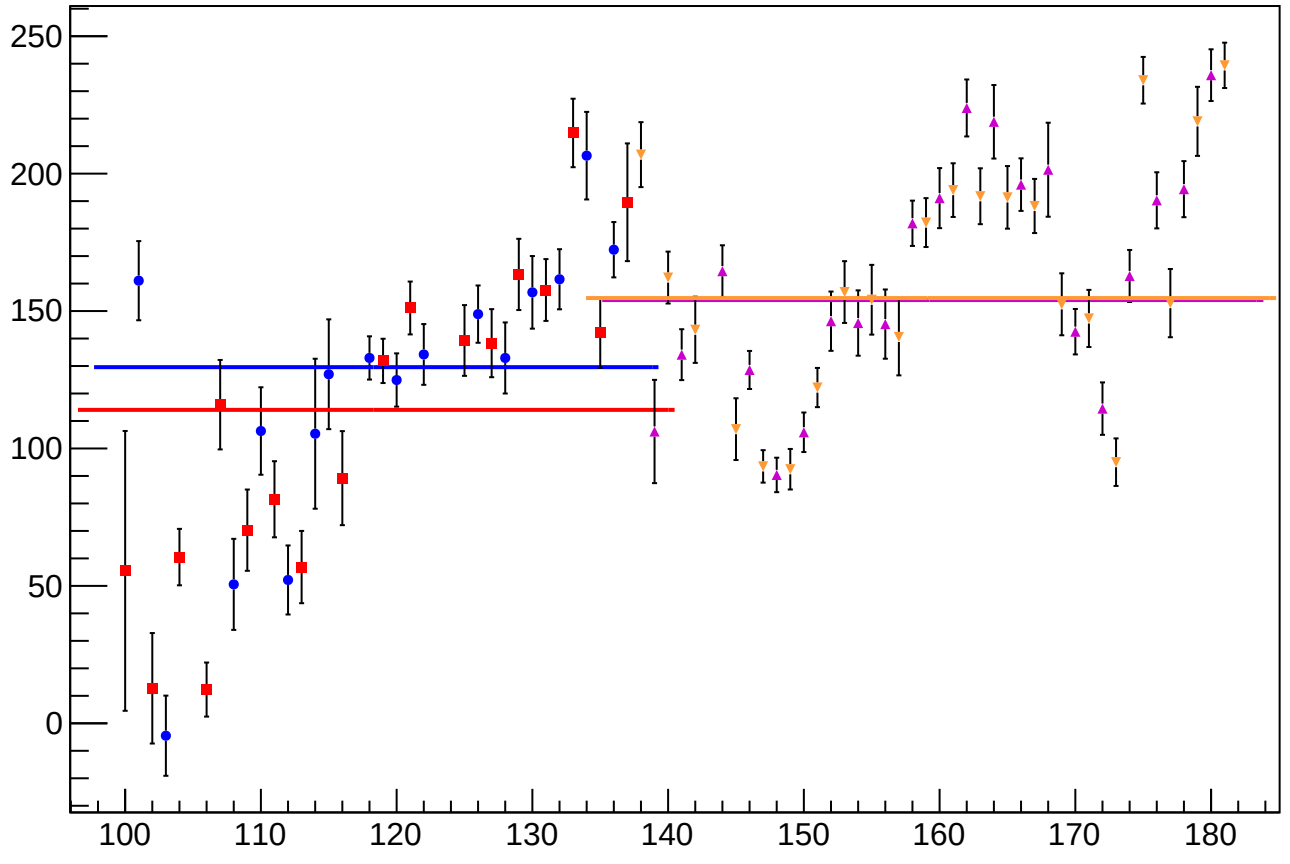
Right Out: 533.283+/-2.746 χ^2/NDF: 6502.9/17

Left In: 545.092+/-2.456 χ^2/NDF:1709.8/20

+ sign 554.298+/-1.859 χ^2/NDF: 5695.0/37

All: 546.961+/-1.304 χ^2/NDF: 13948.6/76

- sign 539.843+/-1.831 χ^2/NDF: 8222.9/38



Right In: 129.586+/-3.081 χ^2/NDF: 211.2/15

Left Out: 154.728+/-2.034 χ^2/NDF:567.5/21

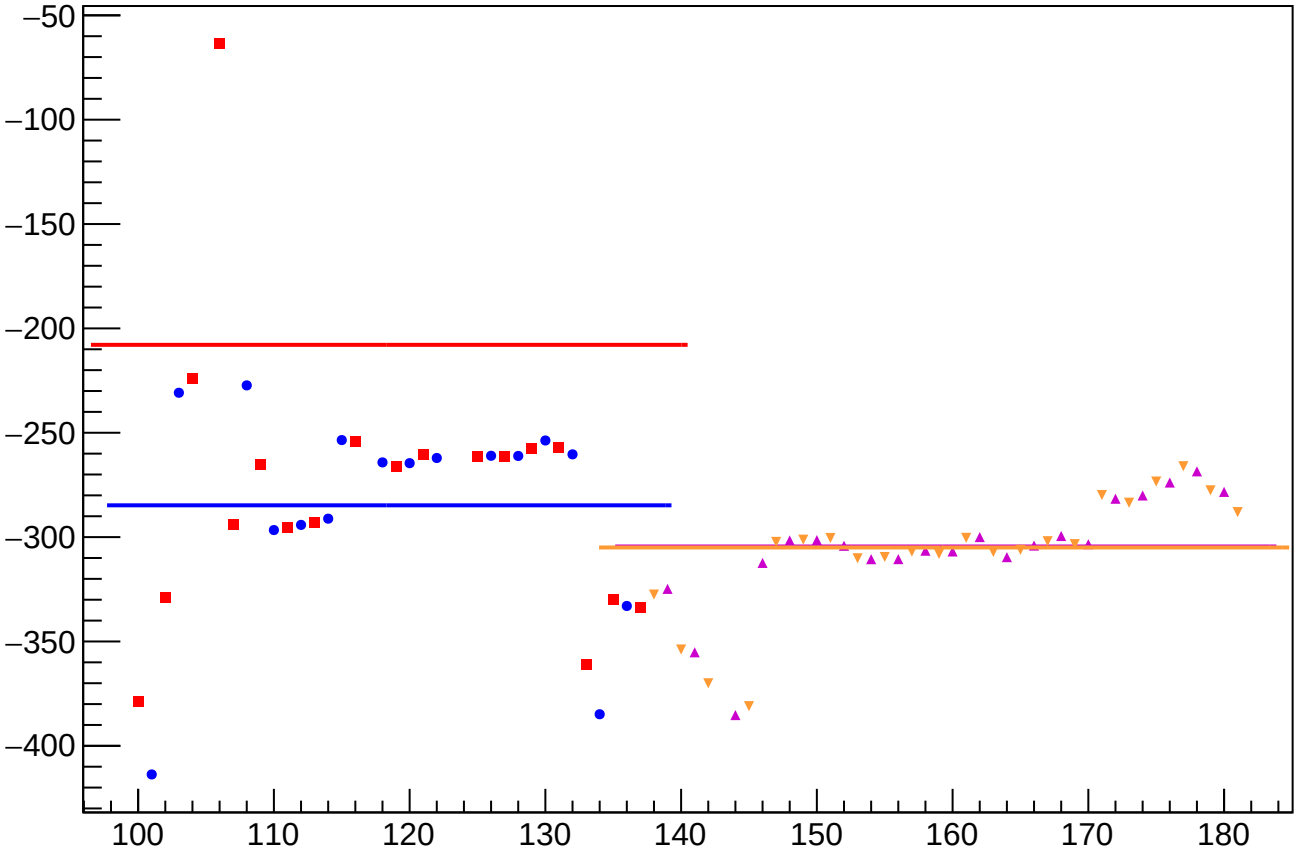
Right Out: 114.048+/-2.976 χ^2/NDF: 335.9/17

Left In: 154.007+/-2.072 χ^2/NDF:417.9/20

+ sign 147.097+/-1.697 χ^2/NDF: 825.2/37

All: 144.037+/-1.201 χ^2/NDF: 1706.9/76

- sign 140.965+/-1.700 χ^2/NDF: 875.2/38



Right In: -284.765+/-0.178 χ^2/NDF: 104370.4/15

Left Out: -304.964+/-0.095 χ^2/NDF:74646.7/21

Right Out: -207.875+/-0.149 χ^2/NDF: 536707.7/17

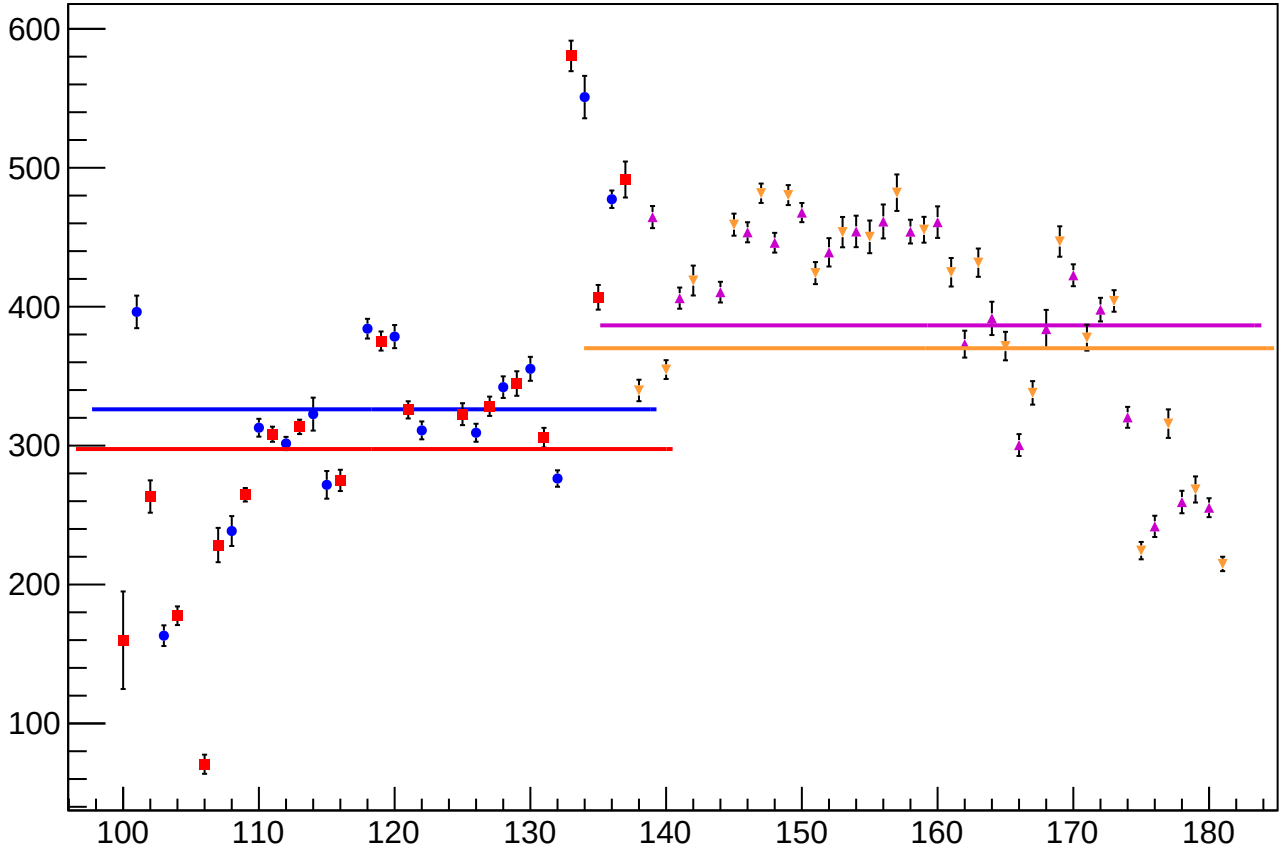
Left In: -304.485+/-0.095 χ^2/NDF:63149.2/20

\+ sign -300.447+/-0.084 χ^2/NDF: 189064.8/37

All: -287.928+/-0.058 χ^2/NDF: 1130853.1/76

\- sign -276.554+/-0.080 χ^2/NDF: 899357.5/38

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: 370.116+/-1.783 χ^2/NDF:2698.3/21

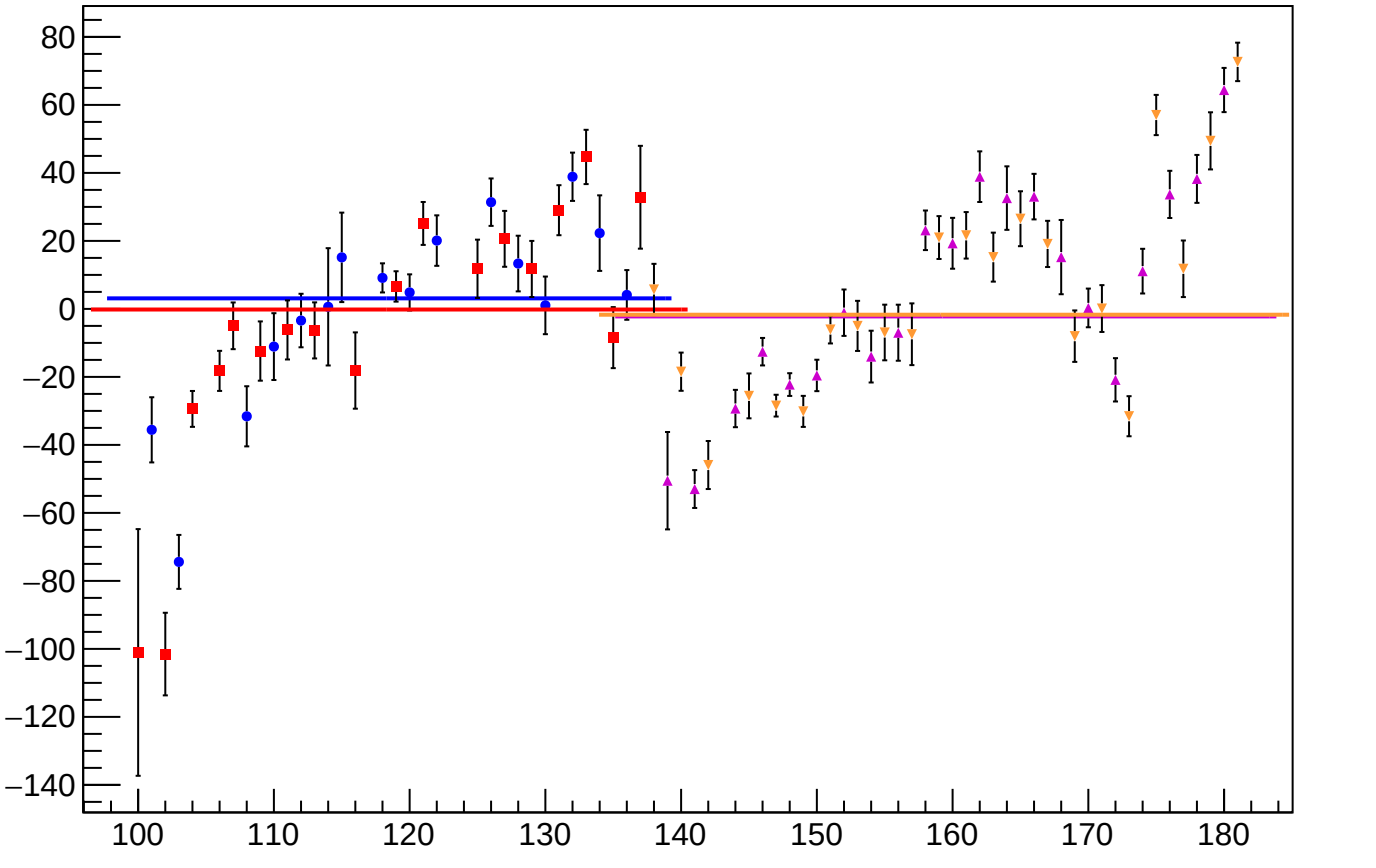
Right Out: 297.538+/-1.735 χ^2/NDF: 2775.4/17

Left In: 386.560+/-1.834 χ^2/NDF:1812.0/20

+ sign 349.014+/-1.286 χ^2/NDF: 4633.1/37

All: 344.195+/-0.900 χ^2/NDF: 10491.5/76

- sign 339.568+/-1.260 χ^2/NDF: 5830.9/38



Right In: 3.101+/-1.892 χ^2/NDF: 184.5/15

Left Out: -1.712+/-1.290 χ^2/NDF:562.1/21

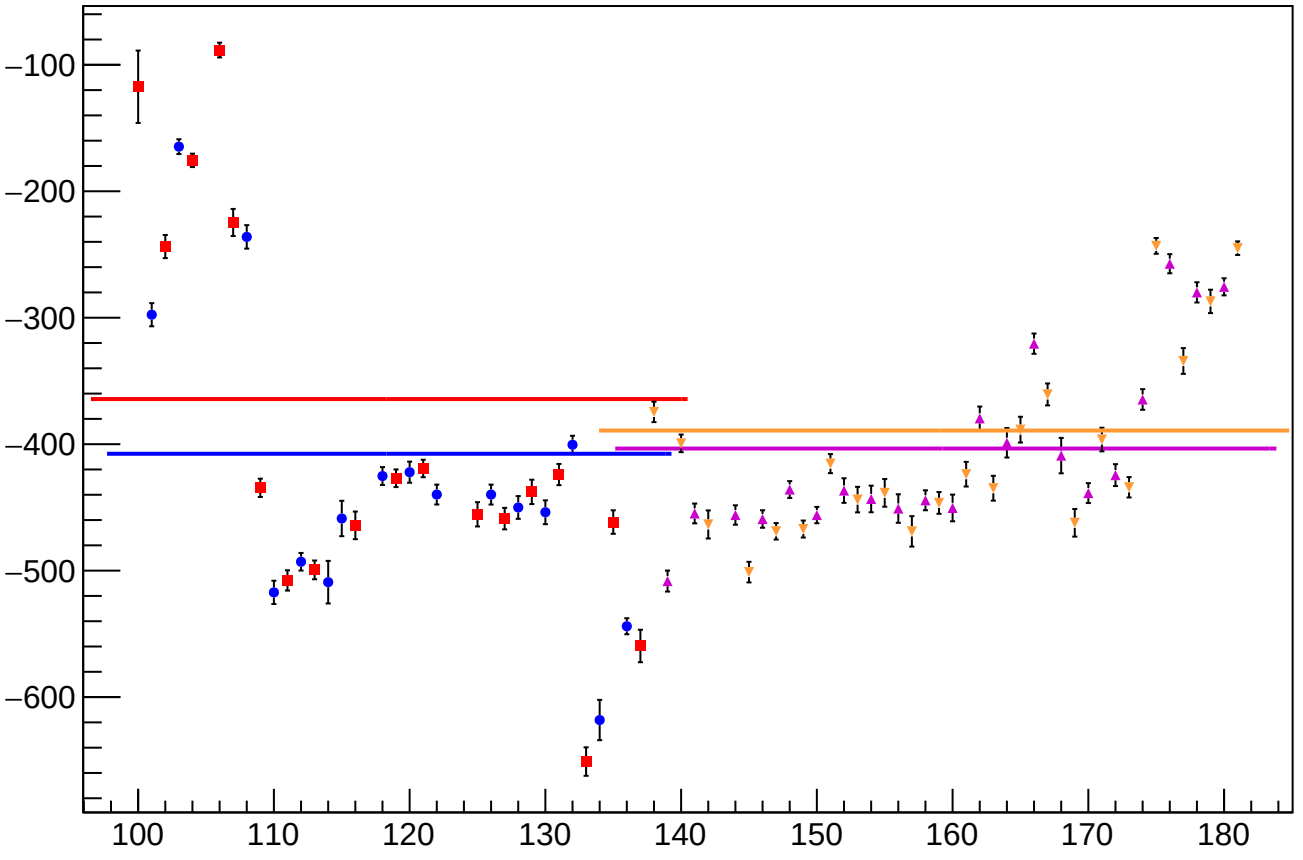
Right Out: -0.180+/-1.791 χ^2/NDF: 205.2/17

Left In: -2.212+/-1.322 χ^2/NDF:457.6/20

+ sign -0.186+/-1.066 χ^2/NDF: 751.0/37

All: -0.842+/-0.753 χ^2/NDF: 1415.4/76

- sign -1.496+/-1.064 χ^2/NDF: 663.6/38



Right In: -407.575+/-2.074 χ^2/NDF: 3280.5/15

Left Out: -389.201+/-1.763 χ^2/NDF:2212.7/21

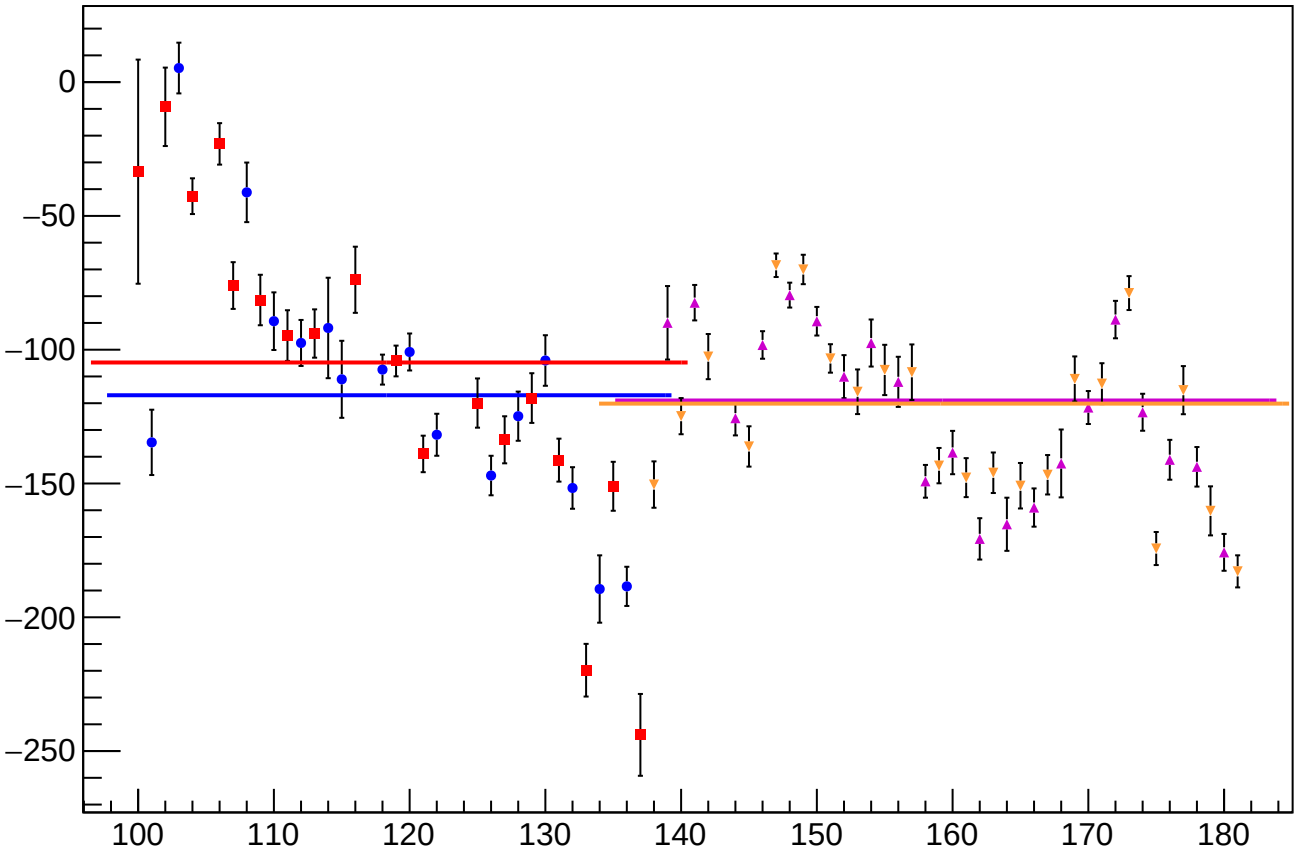
Right Out: -364.323+/-1.942 χ^2/NDF: 6220.4/17

Left In: -403.441+/-1.804 χ^2/NDF:1628.1/20

\+ sign -396.908+/-1.343 χ^2/NDF: 5538.8/37

All: -391.023+/-0.942 χ^2/NDF: 13642.8/76

\- sign -385.322+/-1.322 χ^2/NDF: 8066.2/38



Right In: -117.021+/-2.194 χ^2/NDF: 407.8/15

Left Out: -120.152+/-1.494 χ^2/NDF:571.1/21

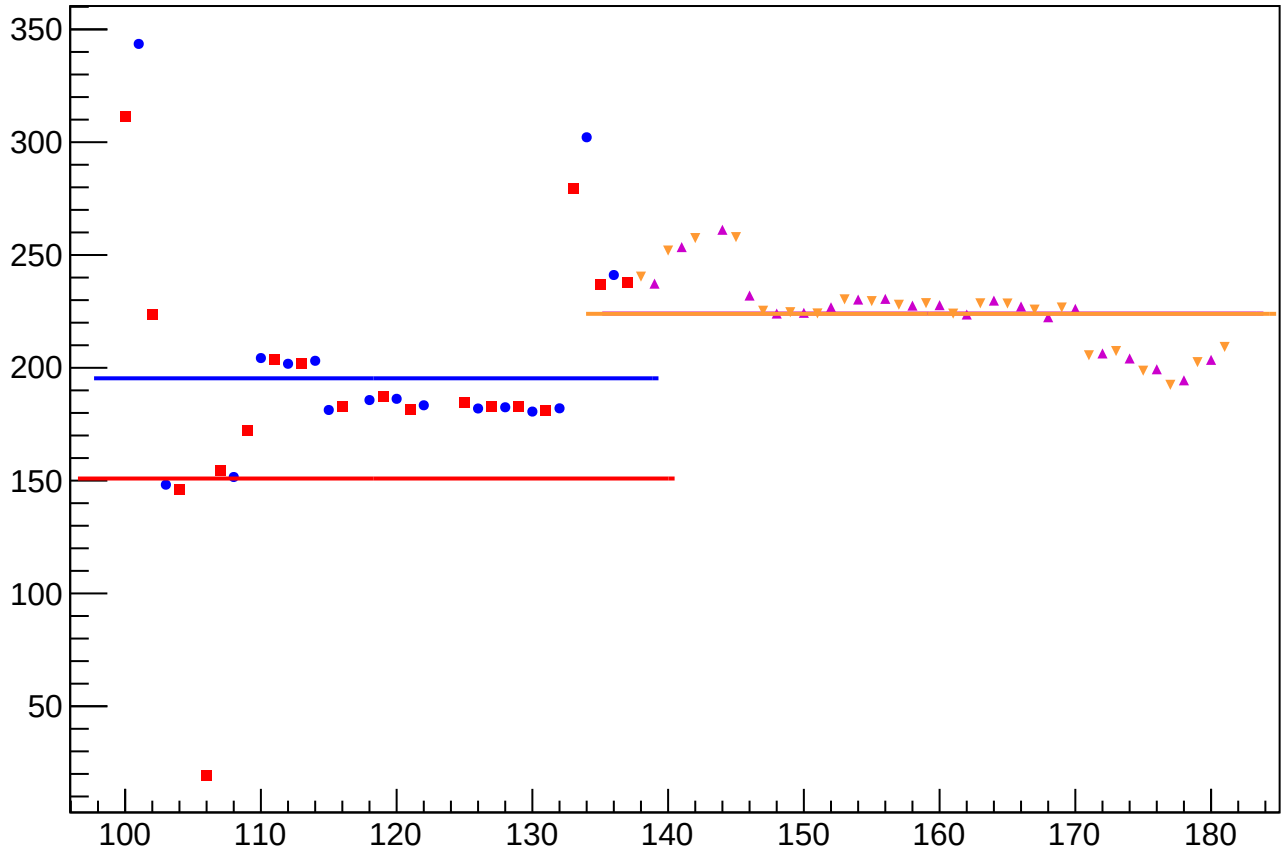
Right Out: -104.780+/-2.091 χ^2/NDF: 575.1/17

Left In: -118.985+/-1.524 χ^2/NDF:400.9/20

+ sign -119.160+/-1.235 χ^2/NDF: 980.3/37

All: -116.601+/-0.872 χ^2/NDF: 1995.1/76

- sign -114.057+/-1.232 χ^2/NDF: 1006.2/38



Right In: 195.351+/-0.125 χ^2/NDF: 176975.5/15

Left Out: 223.930+/-0.070 χ^2/NDF:55661.7/21

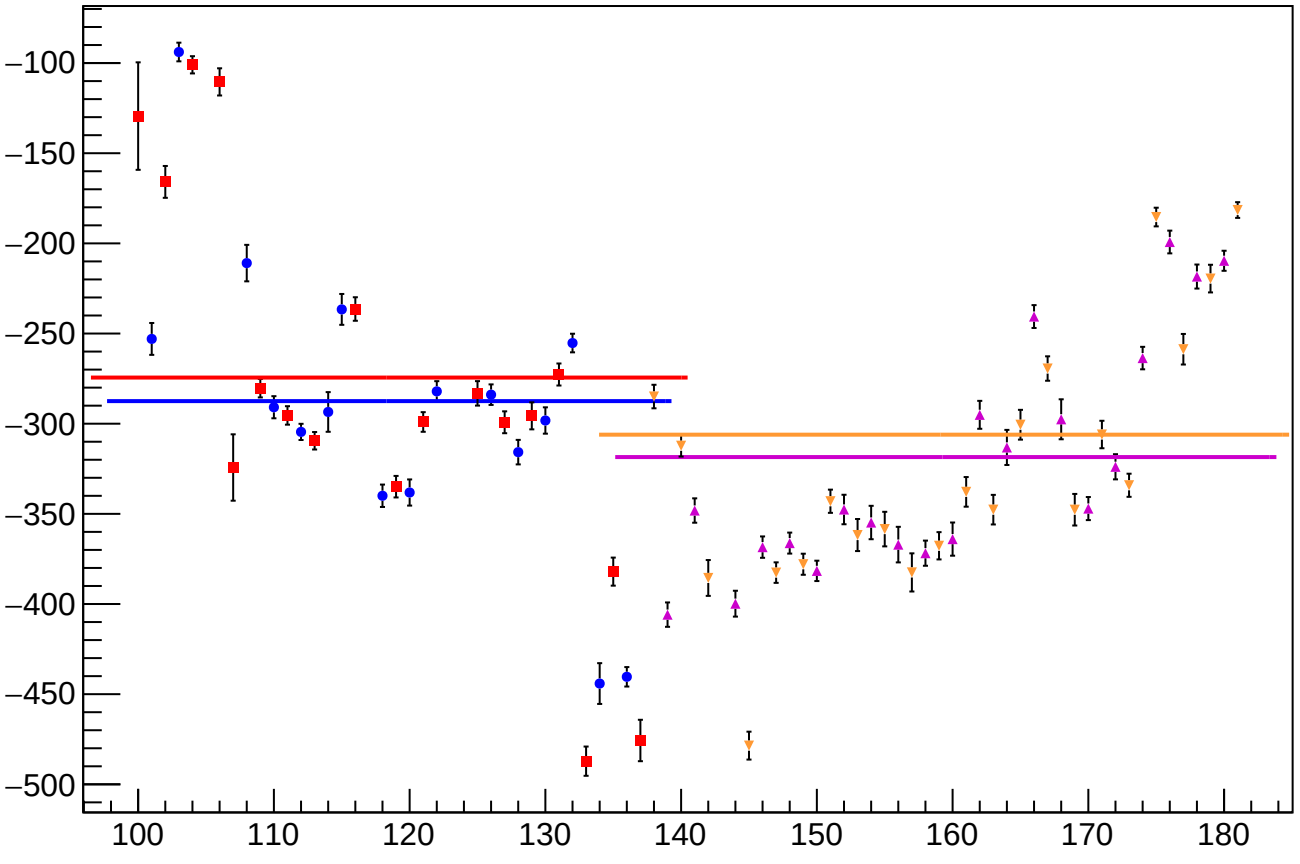
Right Out: 150.932+/-0.110 χ^2/NDF: 499233.7/17

Left In: 224.057+/-0.070 χ^2/NDF:49497.9/20

+ sign 217.081+/-0.061 χ^2/NDF: 272619.8/37

All: 209.852+/-0.042 χ^2/NDF: 1162789.7/76

- sign 203.096+/-0.059 χ^2/NDF: 863013.1/38



Right In: -287.476+/-1.611 χ^2/NDF: 2696.5/15

Left Out: -306.087+/-1.484 χ^2/NDF:2754.9/21

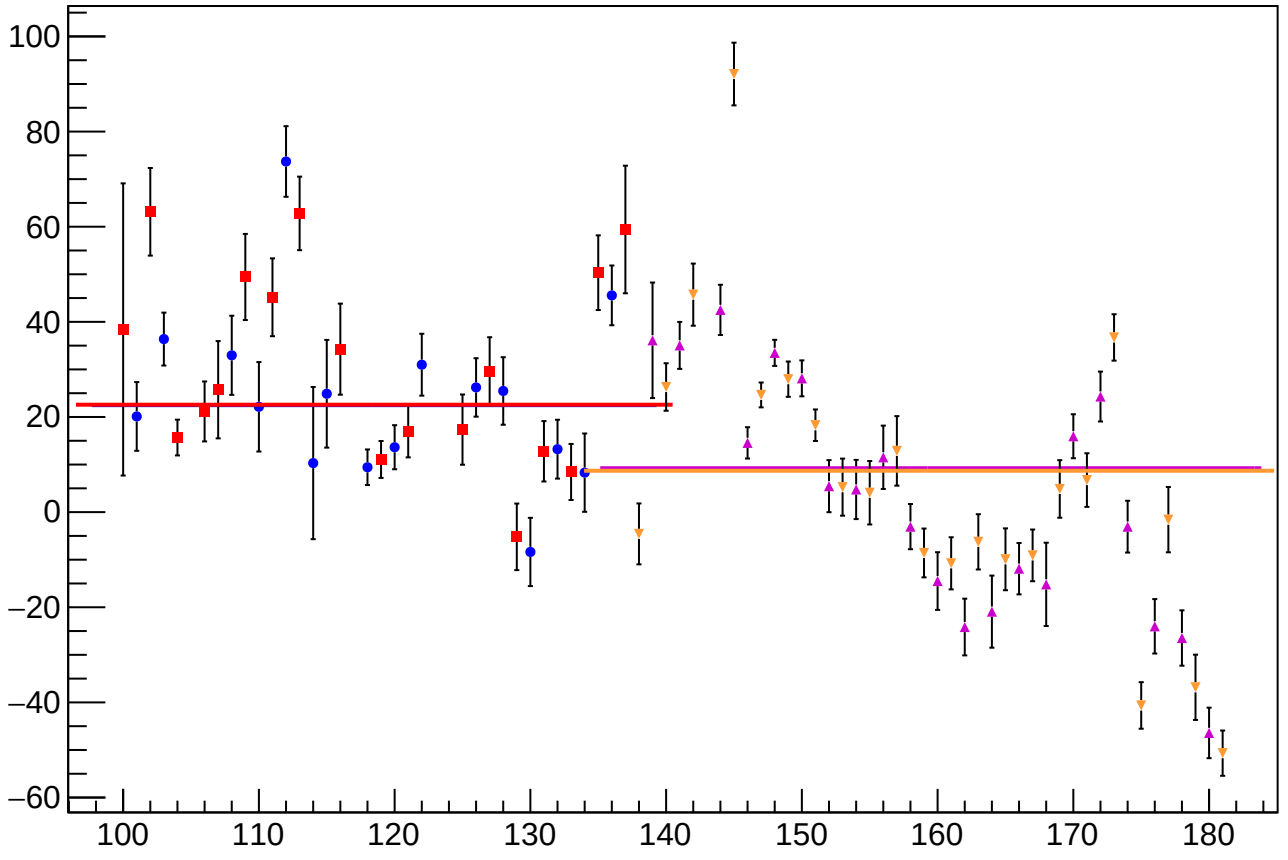
Right Out: -274.417+/-1.551 χ^2/NDF: 3413.4/17

Left In: -318.508+/-1.520 χ^2/NDF:1942.2/20

+ sign -297.542+/-1.092 χ^2/NDF: 5523.6/37

All: -297.225+/-0.770 χ^2/NDF: 11291.5/76

- sign -296.911+/-1.086 χ^2/NDF: 5767.7/38



Right In: 22.492+/-1.621 χ^2/NDF: 111.4/15

Left Out: 8.704+/-1.067 χ^2/NDF:669.2/21

Right Out: 22.580+/-1.570 χ^2/NDF: 123.3/17

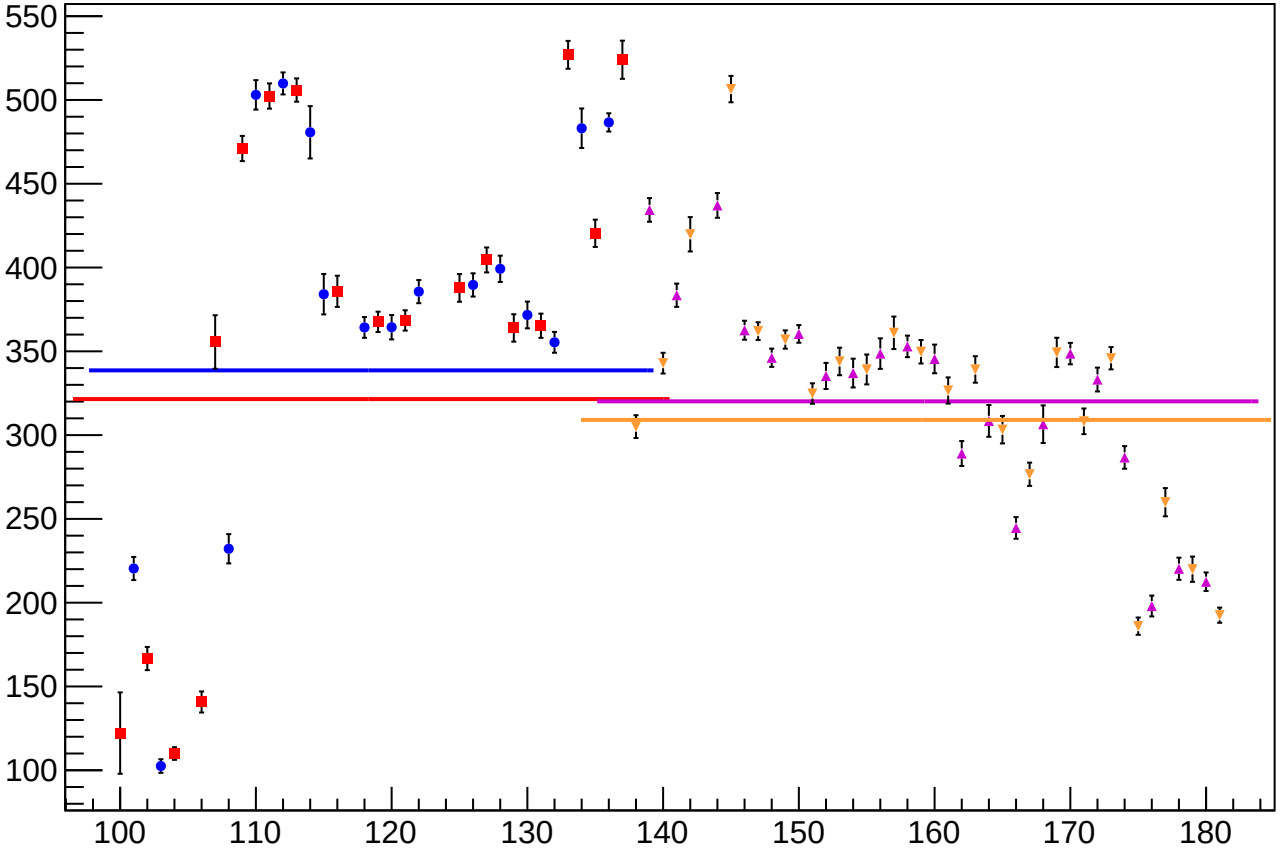
Left In: 9.227+/-1.093 χ^2/NDF:467.8/20

\+ sign 12.875+/-0.891 χ^2/NDF: 831.1/37

All: 13.228+/-0.632 χ^2/NDF: 1471.3/76

\- sign 13.585+/-0.897 χ^2/NDF: 639.9/38

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: 309.086+/-1.464 χ^2/NDF:2550.2/21

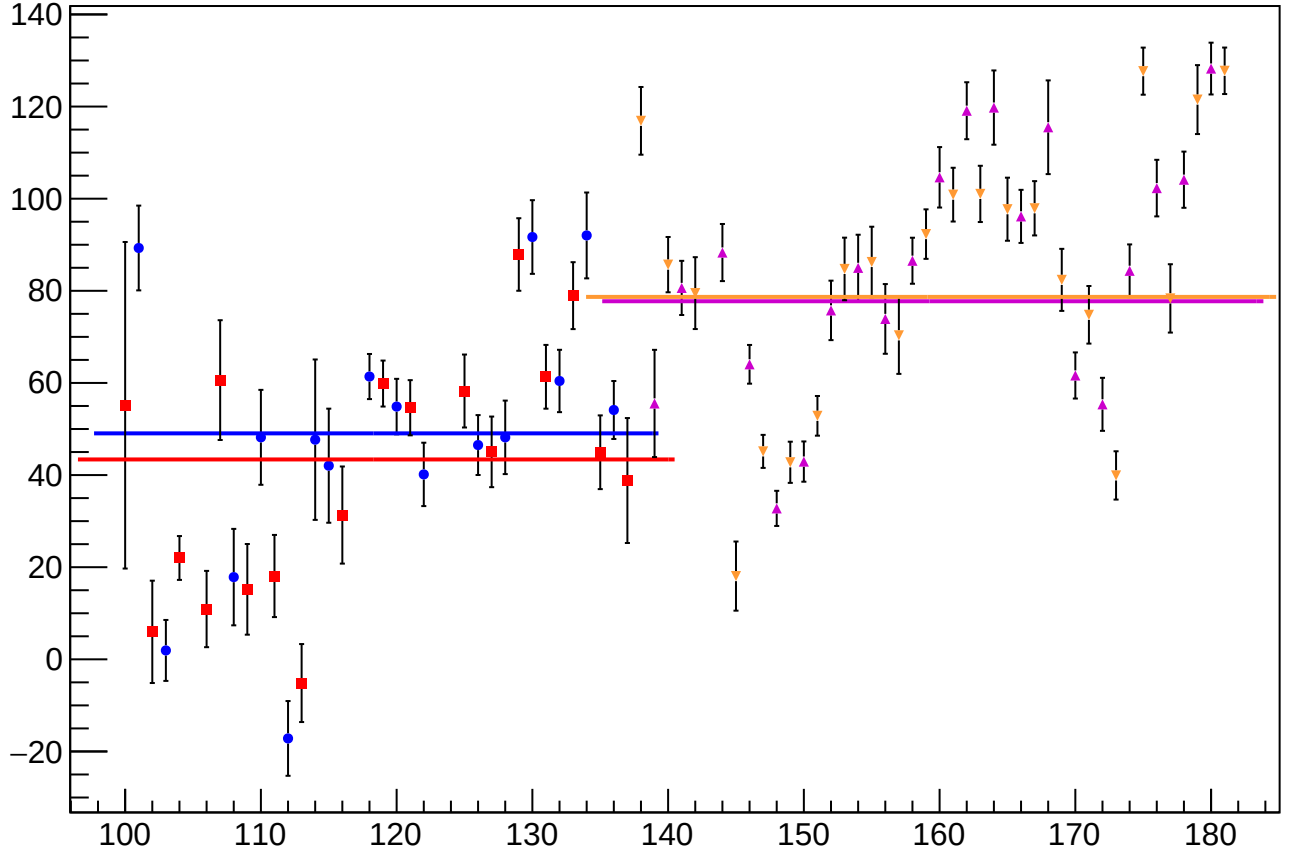
Right Out: 321.500+/-1.694 χ^2/NDF: 7720.8/17

Left In: 320.151+/-1.493 χ^2/NDF:1984.2/20

+ sign 321.267+/-1.123 χ^2/NDF: 8760.8/37

All: 321.003+/-0.793 χ^2/NDF: 18466.2/76

- sign 320.741+/-1.120 χ^2/NDF: 9705.4/38



Right In: 49.053+/-1.882 χ^2/NDF: 207.9/15

Left Out: 78.679+/-1.237 χ^2/NDF:611.7/21

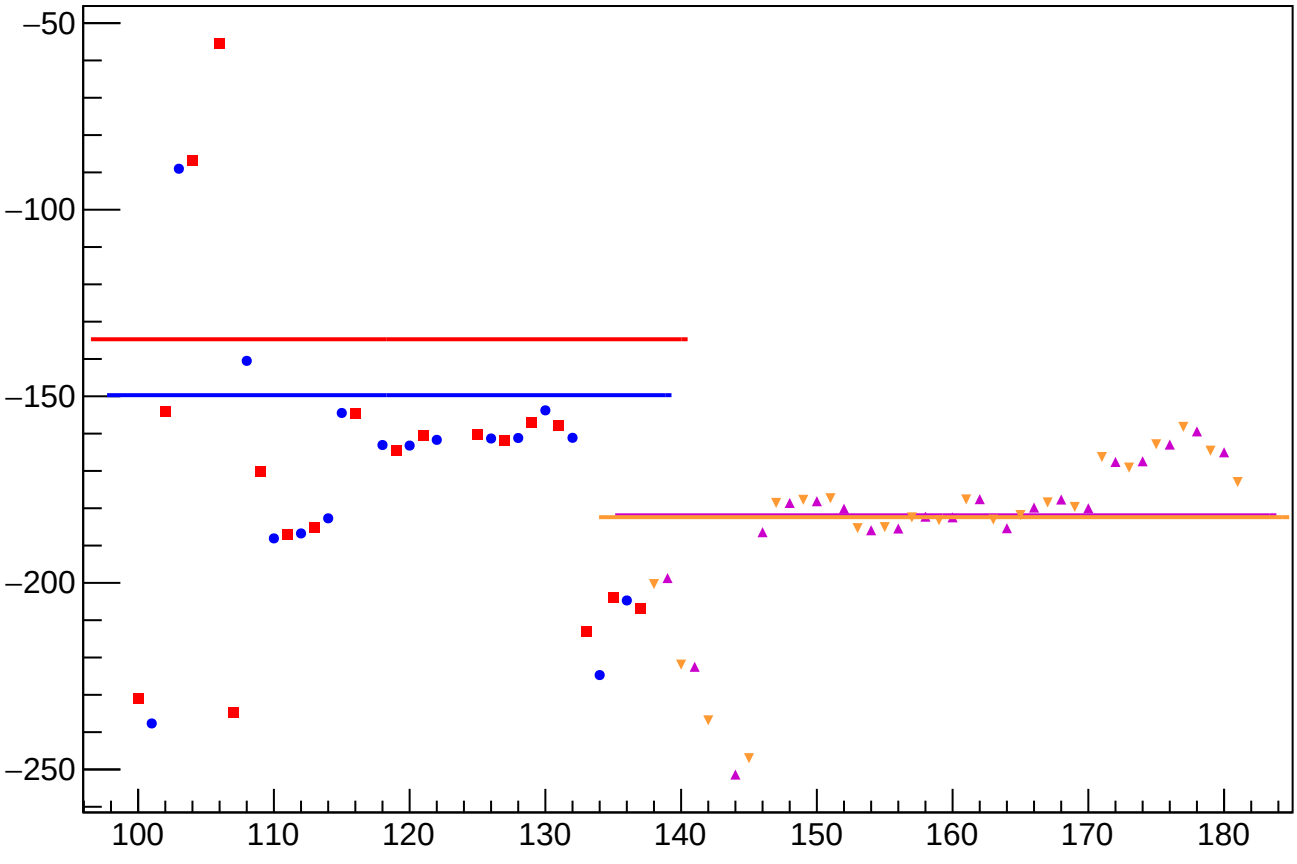
Right Out: 43.392+/-1.834 χ^2/NDF: 180.0/17

Left In: 77.735+/-1.259 χ^2/NDF:479.2/20

+ sign 69.746+/-1.034 χ^2/NDF: 992.7/37

All: 68.246+/-0.732 χ^2/NDF: 1894.5/76

- sign 66.734+/-1.038 χ^2/NDF: 897.6/38



Right In: -149.698+/-0.101 χ^2/NDF: 256472.2/15

Left Out: -182.392+/-0.058 χ^2/NDF:110774.2/21

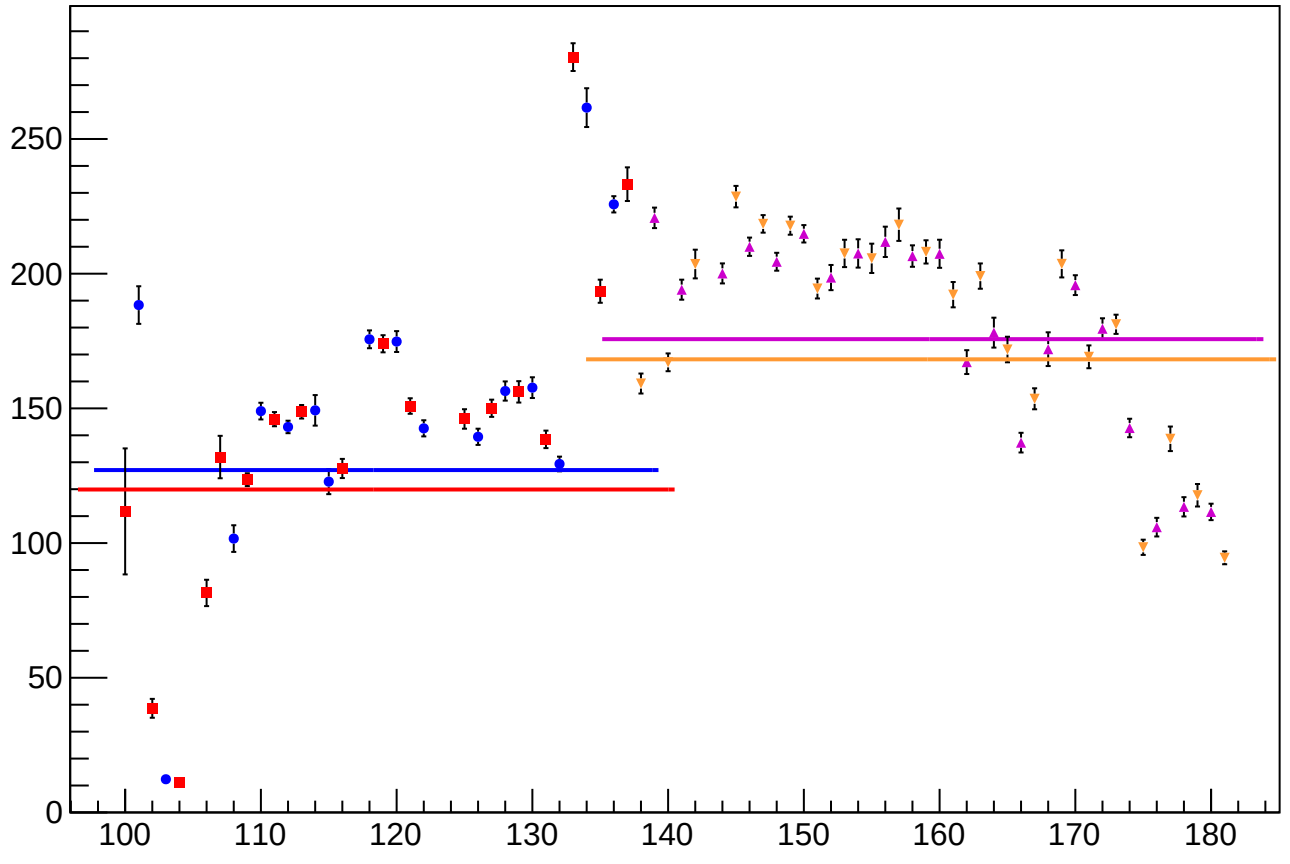
Right Out: -134.715+/-0.097 χ^2/NDF: 312639.8/17

Left In: -181.891+/-0.058 χ^2/NDF:92977.8/20

+ sign -174.281+/-0.050 χ^2/NDF: 446314.6/37

All: -171.900+/-0.035 χ^2/NDF: 1031207.4/76

- sign -169.582+/-0.050 χ^2/NDF: 580455.9/38



Right In: 127.100+/-0.811 χ^2/NDF: 6163.2/15

Left Out: 168.208+/-0.830 χ^2/NDF:2939.3/21

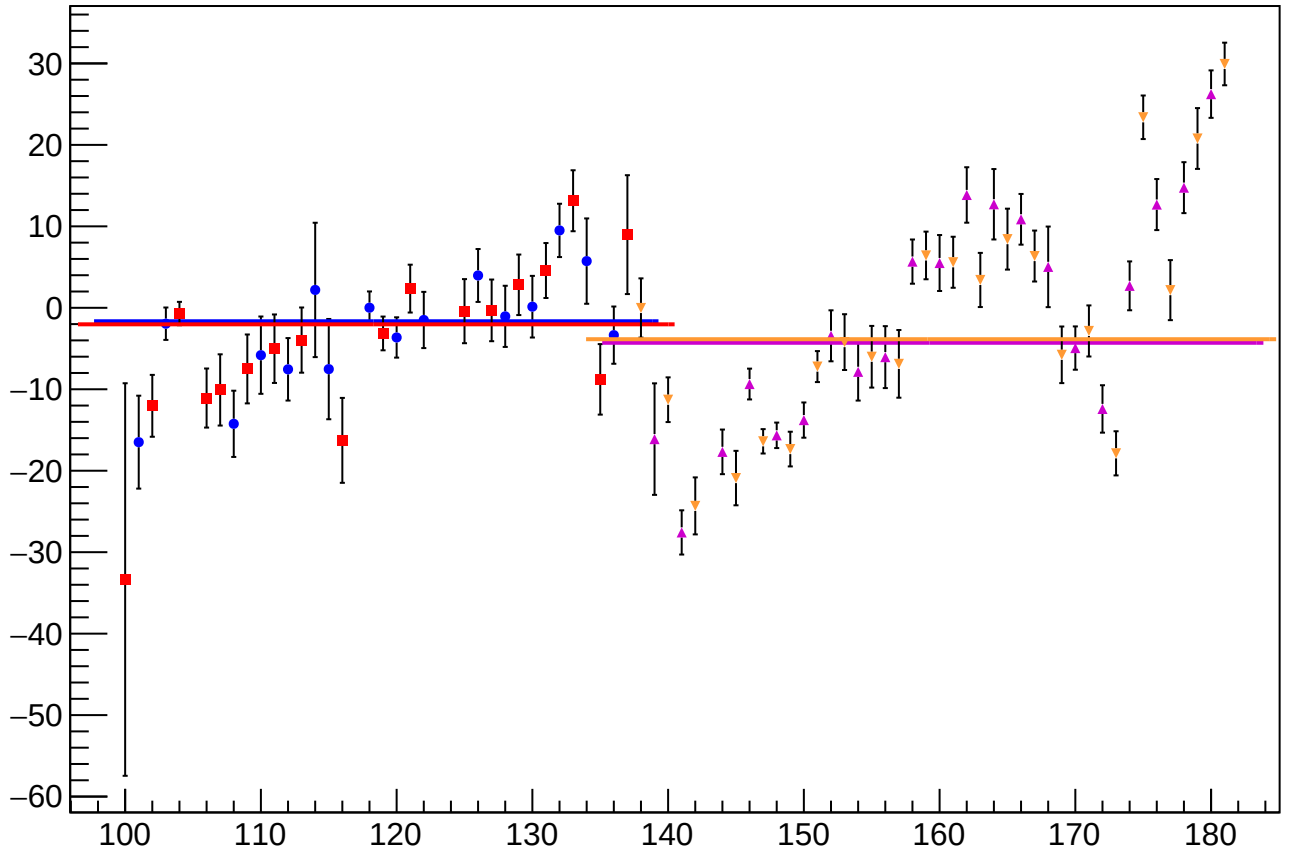
Right Out: 119.886+/-0.774 χ^2/NDF: 6649.6/17

Left In: 175.697+/-0.852 χ^2/NDF:2119.8/20

+ sign 147.185+/-0.580 χ^2/NDF: 10358.4/37

All: 146.151+/-0.408 χ^2/NDF: 21485.7/76

- sign 145.143+/-0.573 χ^2/NDF: 11121.0/38



Right In: -1.651+/-0.833 χ^2/NDF: 39.1/15

Left Out: -3.855+/-0.601 χ^2/NDF:574.7/21

Right Out: -2.027+/-0.770 χ^2/NDF: 58.6/17

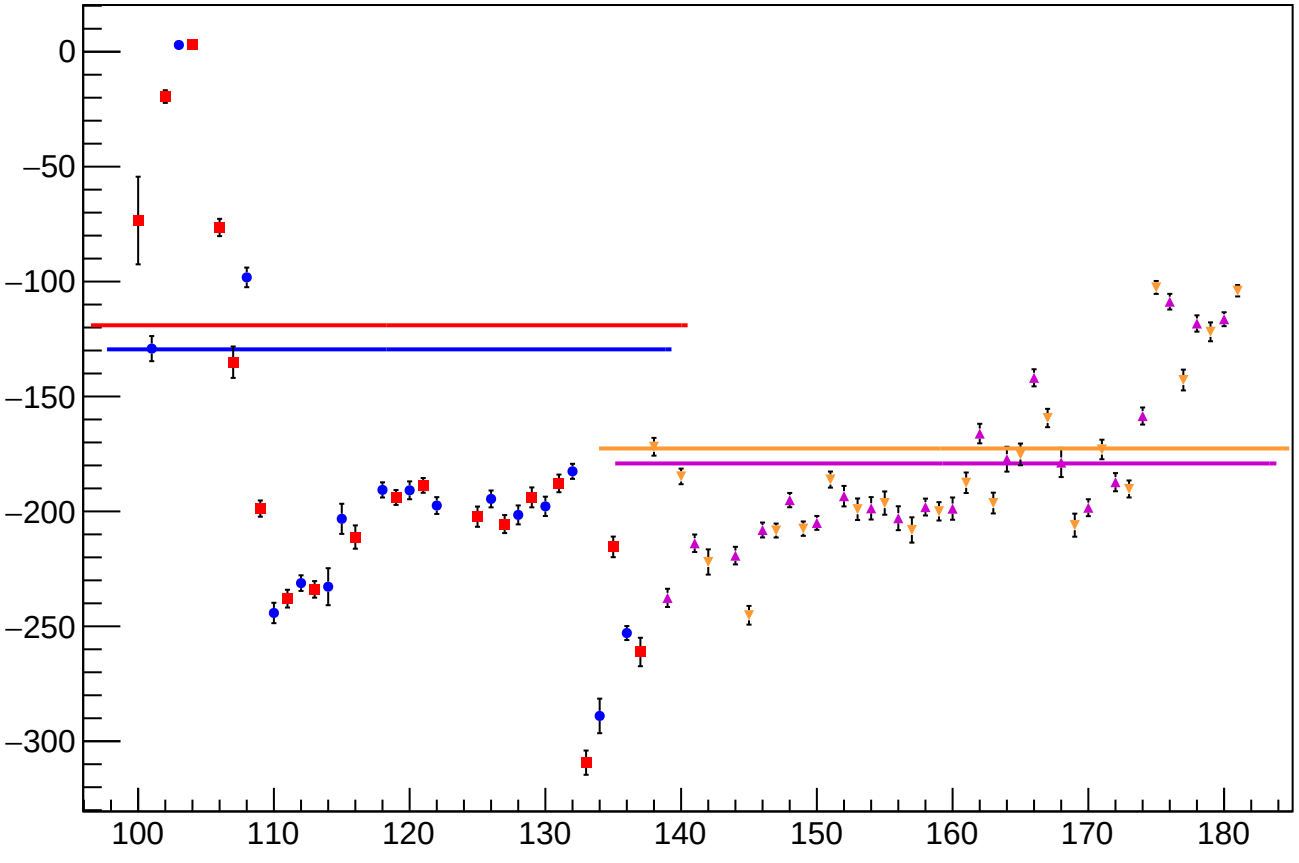
Left In: -4.293+/-0.615 χ^2/NDF:463.2/20

+ sign -3.101+/-0.487 χ^2/NDF: 618.4/37

All: -3.258+/-0.342 χ^2/NDF: 1145.6/76

- sign -3.410+/-0.481 χ^2/NDF: 527.0/38

reg_asym_us_avg_atlr_avg_dd_diff_bpm4eX_slope vs Slug



Right In: -129.497+/-0.846 χ^2/NDF: 14687.9/15

Left Out: -172.623+/-0.819 χ^2/NDF:2523.2/21

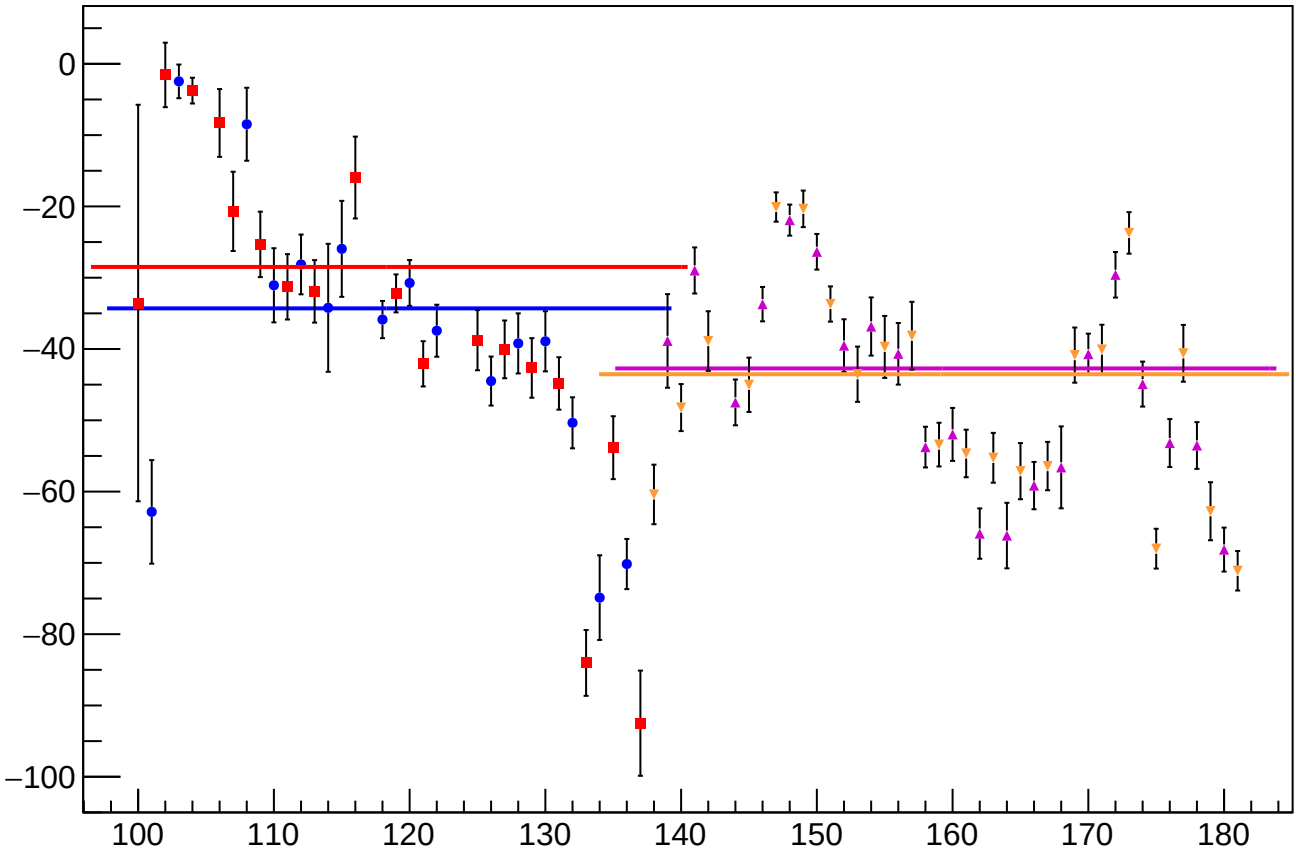
Right Out: -119.022+/-0.813 χ^2/NDF: 16177.3/17

Left In: -179.140+/-0.837 χ^2/NDF:2001.1/20

+ sign -151.758+/-0.589 χ^2/NDF: 18551.2/37

All: -149.955+/-0.414 χ^2/NDF: 39402.0/76

- sign -148.186+/-0.583 χ^2/NDF: 20832.3/38



Right In: -34.301+/-0.968 χ^2/NDF: 411.3/15

Left Out: -43.534+/-0.695 χ^2/NDF:555.2/21

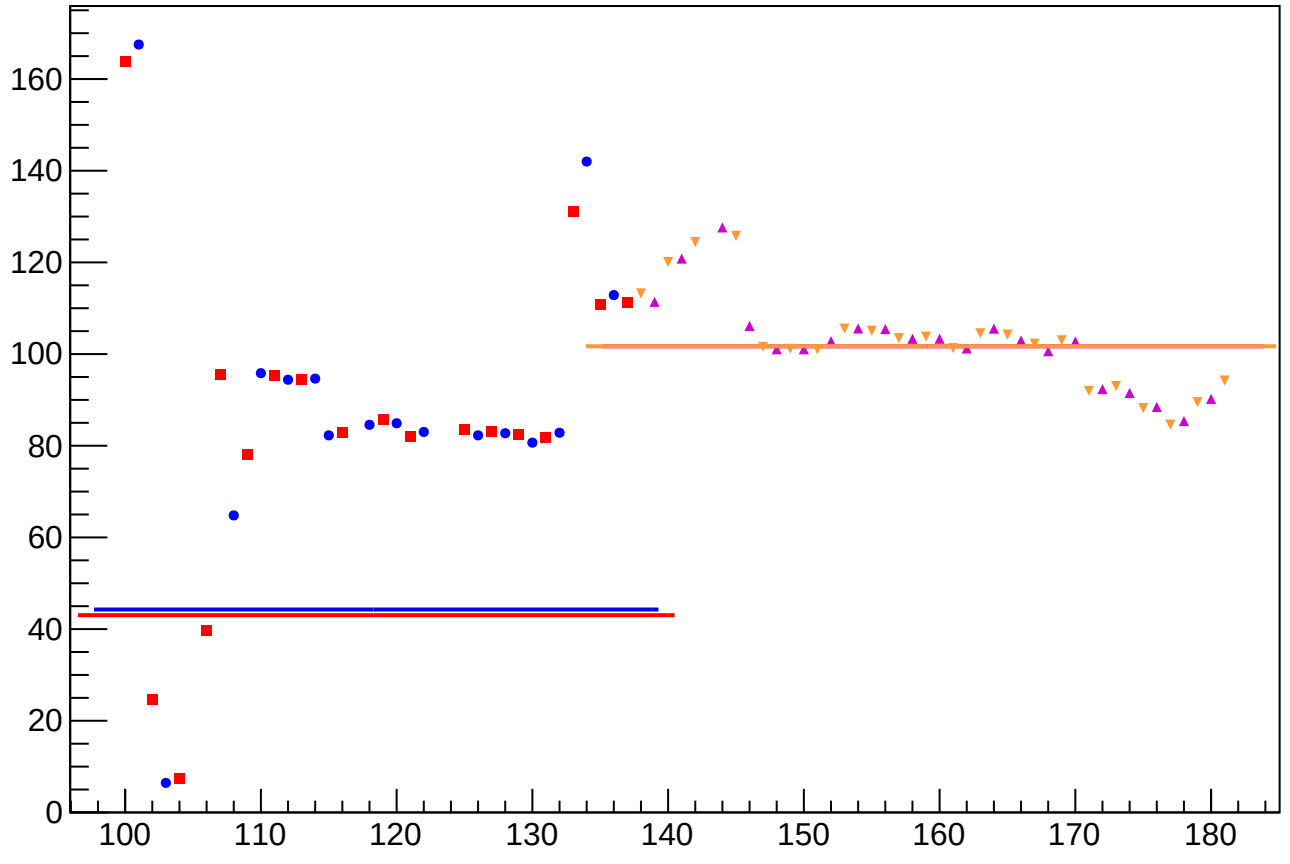
Right Out: -28.488+/-0.907 χ^2/NDF: 568.0/17

Left In: -42.726+/-0.708 χ^2/NDF:398.5/20

+ sign -40.393+/-0.564 χ^2/NDF: 1026.5/37

All: -38.846+/-0.397 χ^2/NDF: 2161.1/76

- sign -37.334+/-0.558 χ^2/NDF: 1119.7/38



Right In: 44.274+/-0.045 χ^2/NDF: 1085082.2/15

Left Out: 101.707+/-0.032 χ^2/NDF:92871.1/21

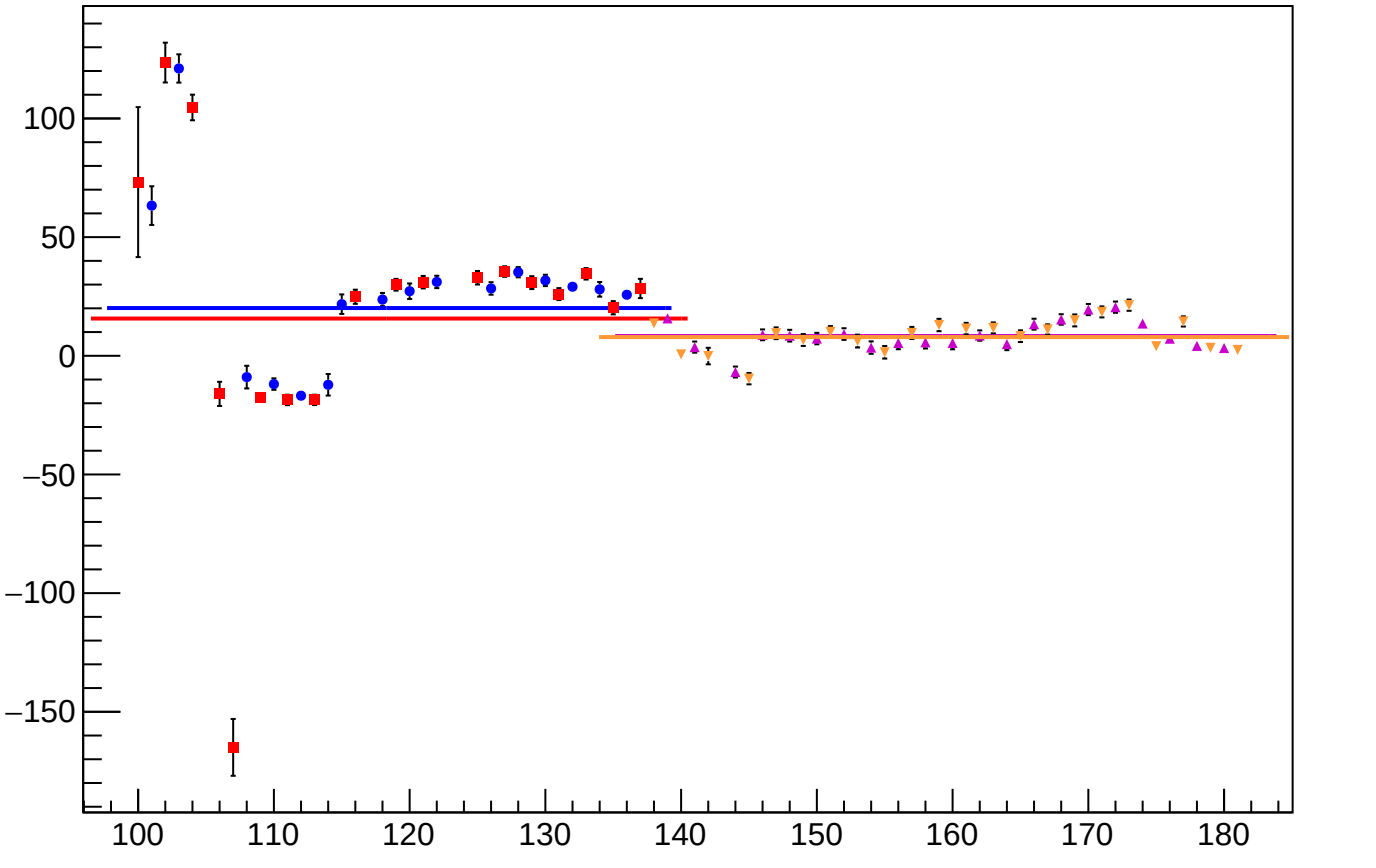
Right Out: 43.035+/-0.045 χ^2/NDF: 805108.5/17

Left In: 101.683+/-0.032 χ^2/NDF:81808.8/20

+ sign 81.997+/-0.026 χ^2/NDF: 2250638.4/37

All: 81.838+/-0.019 χ^2/NDF: 4255087.5/76

- sign 81.679+/-0.026 χ^2/NDF: 2004376.2/38



Right In: 20.117+/-0.687 χ^2/NDF: 1048.1/15

Left Out: 7.892+/-0.477 χ^2/NDF:193.3/21

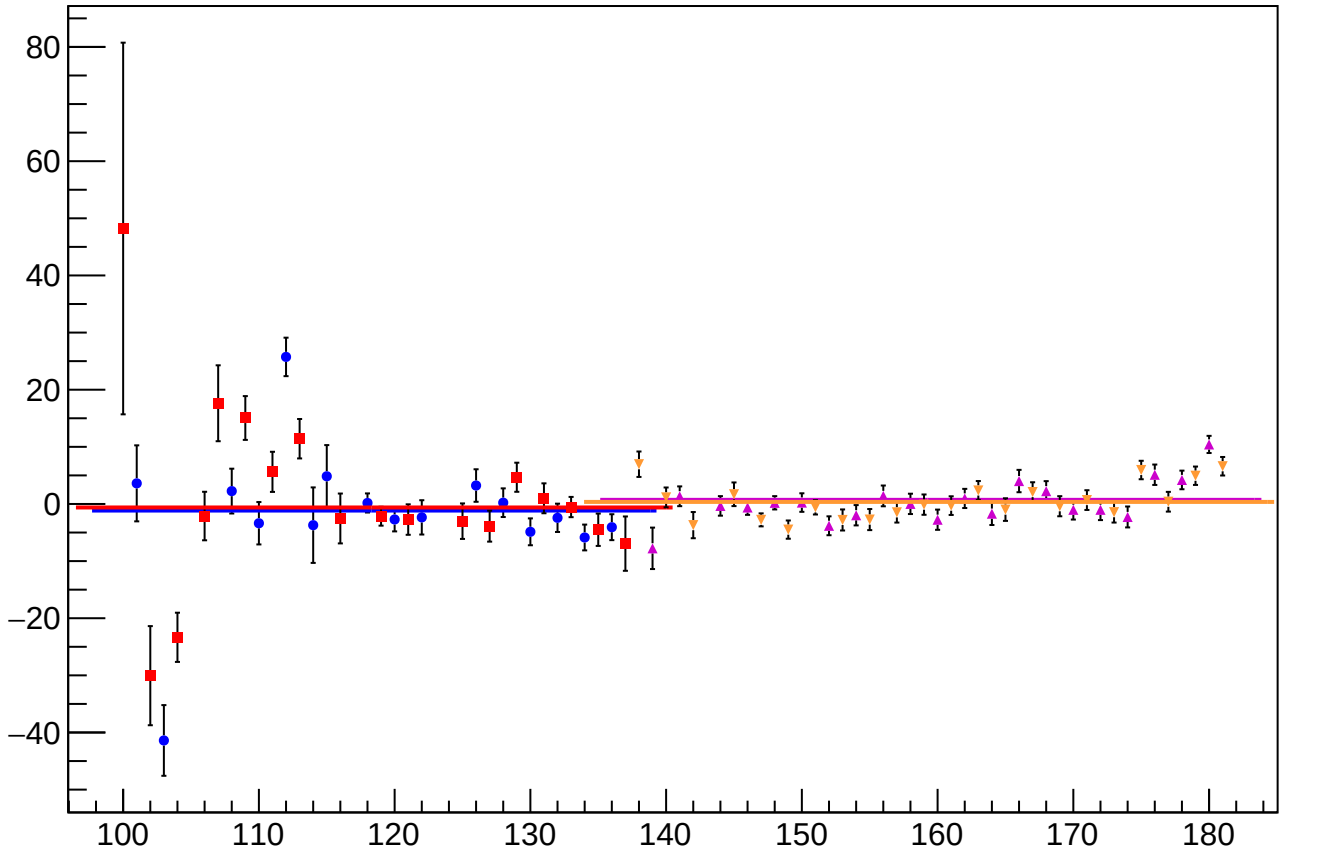
Right Out: 15.700+/-0.682 χ^2/NDF: 1773.8/17

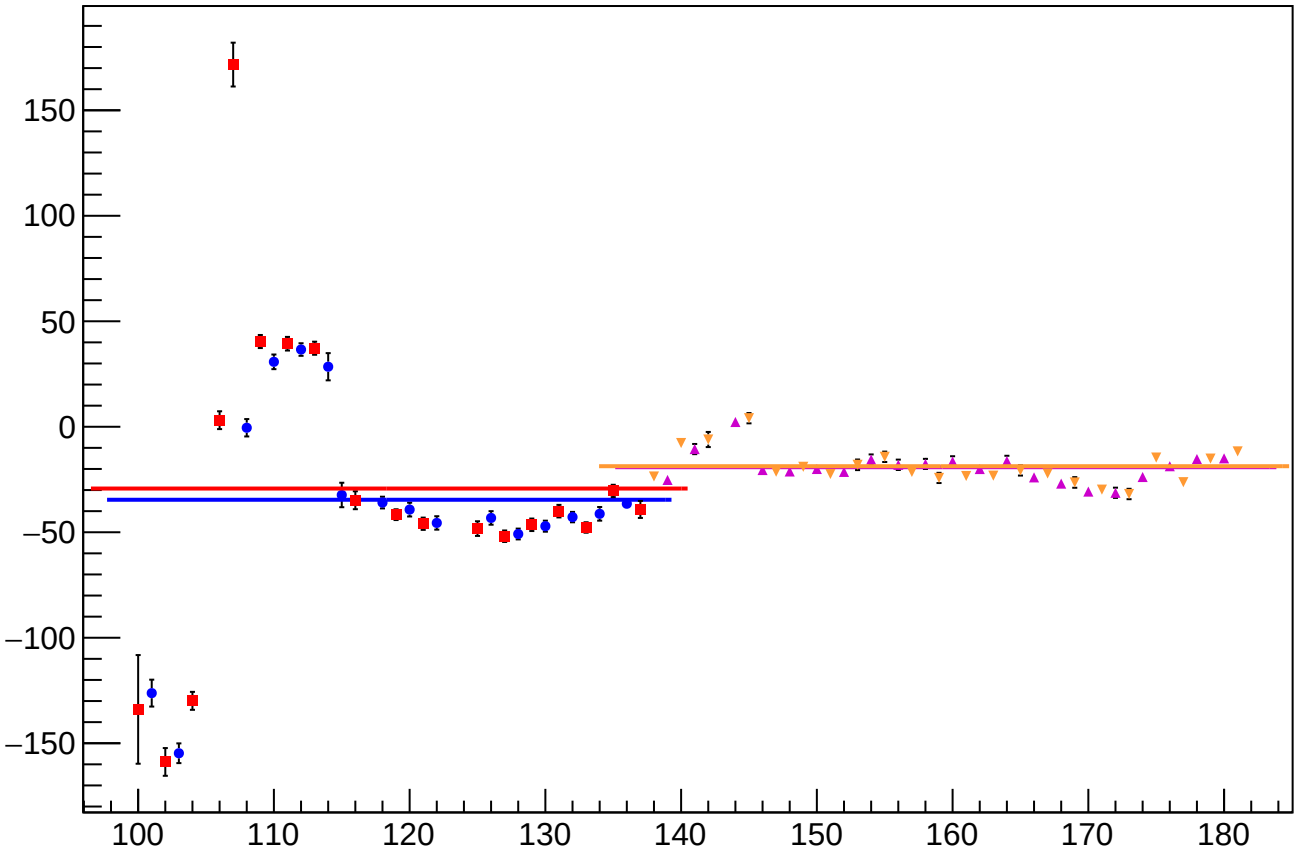
Left In: 8.326+/-0.488 χ^2/NDF:155.8/20

\+ sign 11.869+/-0.392 χ^2/NDF: 1455.1/37

All: 11.352+/-0.279 χ^2/NDF: 3465.5/76

\- sign 10.821+/-0.397 χ^2/NDF: 2006.9/38


reg_asym_us_dd_at1lr_dd_avg_diff_bpm4aY_slope vs Slug
80
60
40
20
0
−20
−40
100
110
120
130
140
150
160
170
180
Right In: -1.151+/-0.699 χ²/NDF: 121.8/15
Left Out: 0.359+/-0.359 χ²/NDF:76.0/21
Right Out: -0.614+/-0.713 χ²/NDF: 93.4/17
Left In: 0.721+/-0.369 χ²/NDF:83.4/20
+ sign 0.044+/-0.319 χ²/NDF: 201.6/37
All: 0.237+/-0.229 χ²/NDF: 381.8/76
- sign 0.440+/-0.327 χ²/NDF: 179.5/38



Right In: -34.598+/-0.786 χ^2/NDF: 2058.4/15

Left Out: -18.696+/-0.471 χ^2/NDF:260.4/21

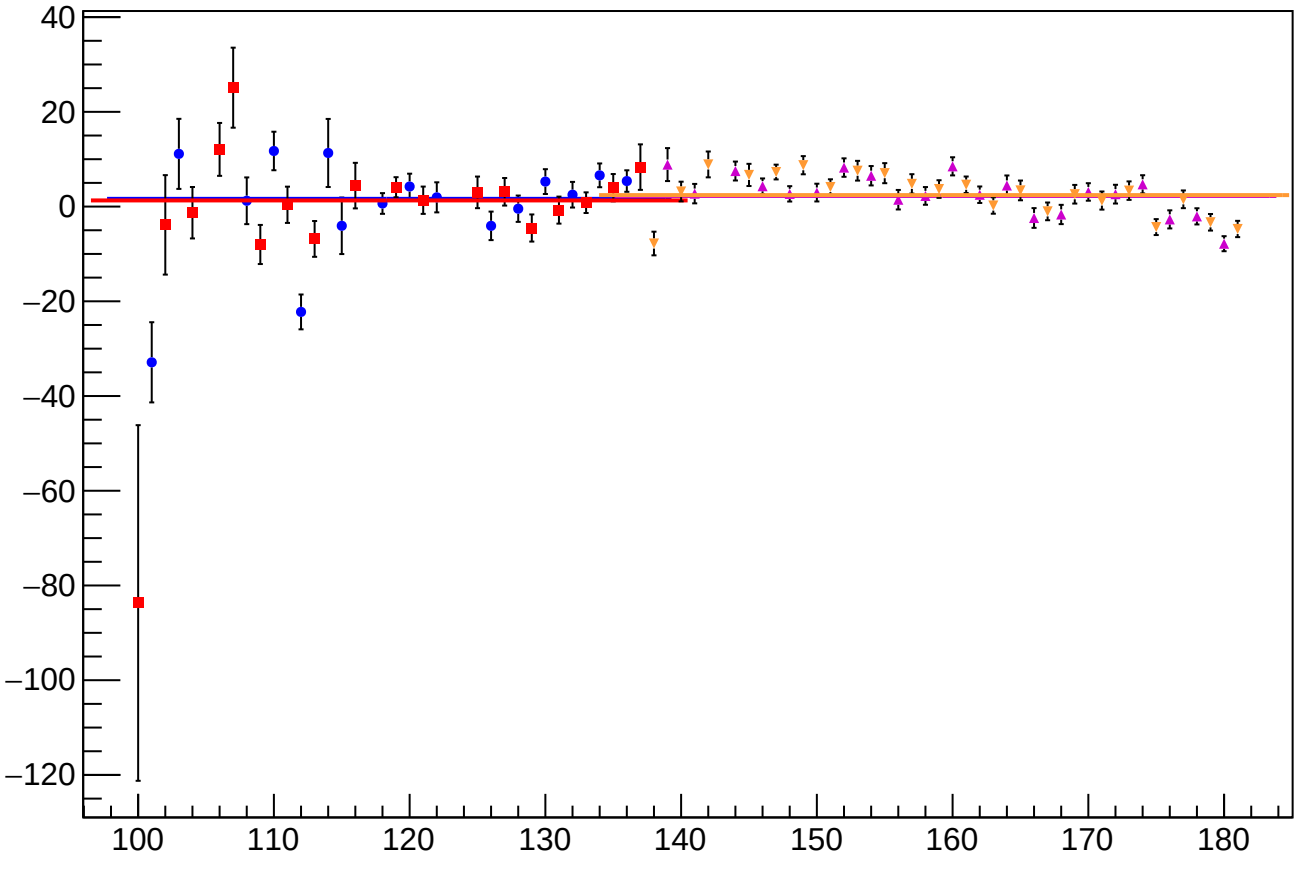
Right Out: -29.277+/-0.800 χ^2/NDF: 3081.1/17

Left In: -19.168+/-0.480 χ^2/NDF:191.9/20

+ sign -22.898+/-0.404 χ^2/NDF: 2619.8/37

All: -22.383+/-0.288 χ^2/NDF: 6013.5/76

- sign -21.849+/-0.412 χ^2/NDF: 3390.4/38



Right In: 1.630+/-0.797 χ^2/NDF: 83.3/15

Left Out: 2.419+/-0.407 χ^2/NDF:112.0/21

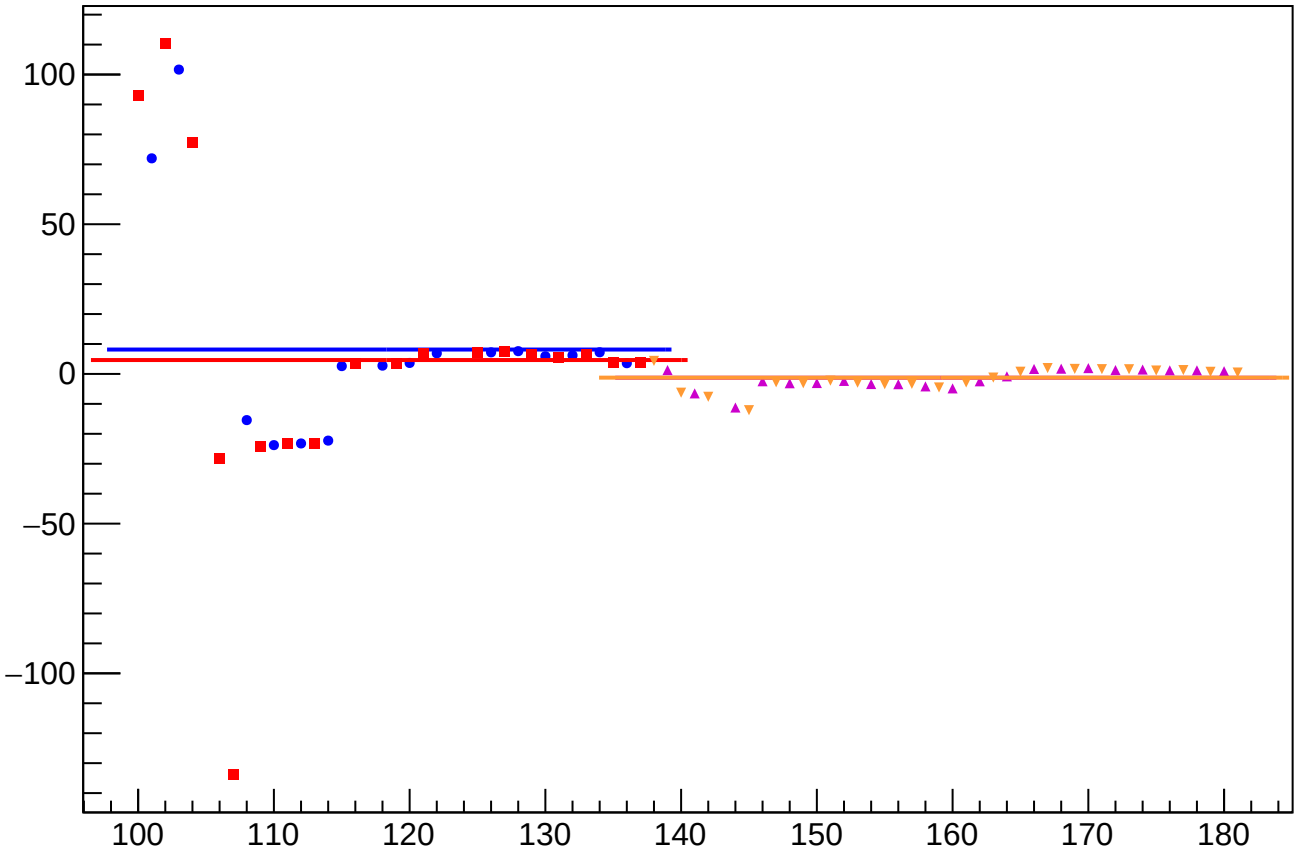
Right Out: 1.298+/-0.817 χ^2/NDF: 37.5/17

Left In: 2.238+/-0.417 χ^2/NDF:102.1/20

+ sign 2.255+/-0.363 χ^2/NDF: 196.1/37

All: 2.152+/-0.259 χ^2/NDF: 336.9/76

- sign 2.044+/-0.371 χ^2/NDF: 140.7/38



Right In: 8.146+/-0.048 χ^2/NDF: 313350.7/15

Left Out: -1.241+/-0.018 χ^2/NDF:34910.8/21

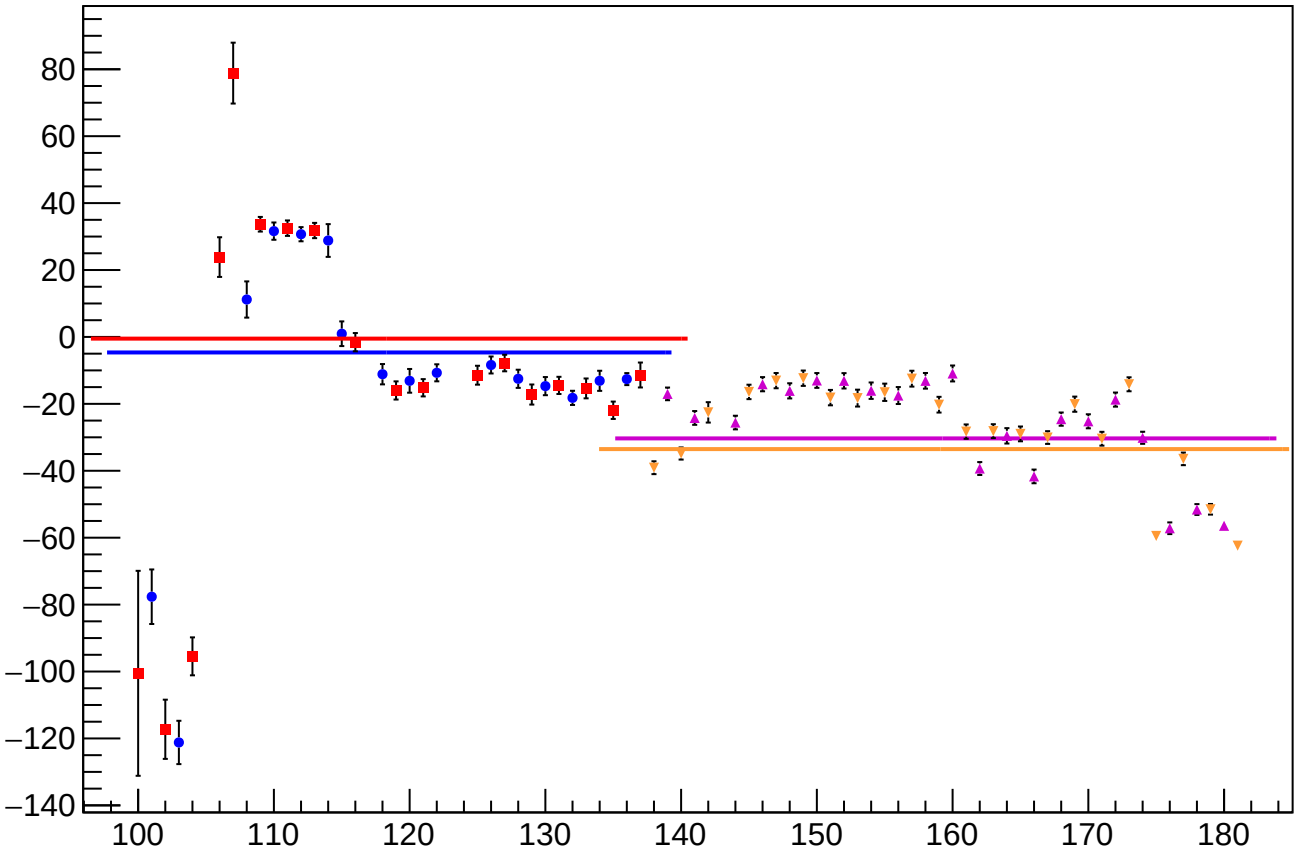
Right Out: 4.638+/-0.052 χ^2/NDF: 446805.7/17

Left In: -1.278+/-0.018 χ^2/NDF:27464.2/20

\+ sign -0.071+/-0.017 χ^2/NDF: 381226.7/37

All: -0.340+/-0.012 χ^2/NDF: 867632.9/76

\- sign -0.615+/-0.017 χ^2/NDF: 485904.6/38



Right In: -4.640+/-0.712 χ^2/NDF: 1046.3/15

Left Out: -33.521+/-0.429 χ^2/NDF:1561.9/21

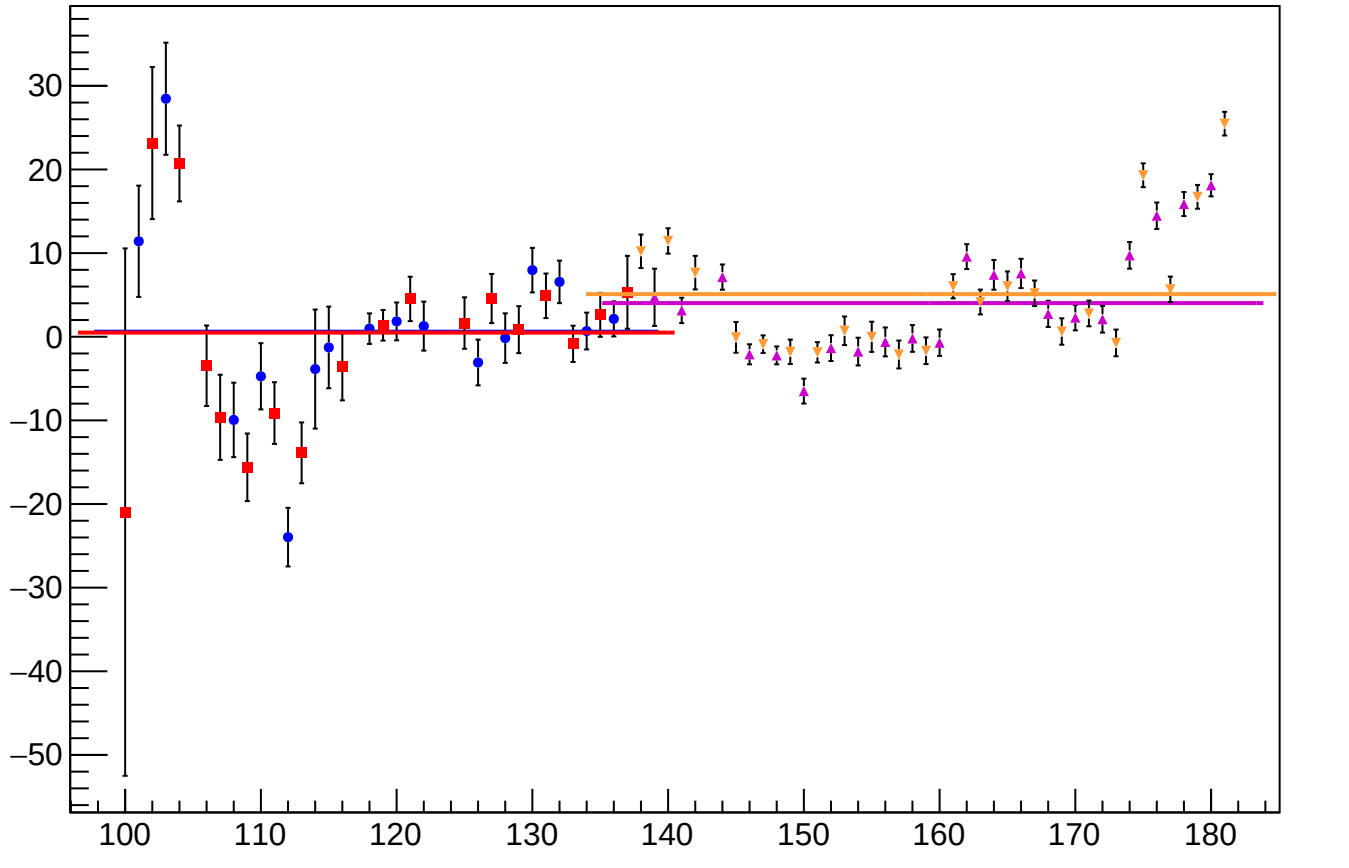
Right Out: -0.505+/-0.711 χ^2/NDF: 1457.8/17

Left In: -30.328+/-0.439 χ^2/NDF:1324.6/20

+ sign -25.834+/-0.367 χ^2/NDF: 3817.1/37

All: -23.998+/-0.262 χ^2/NDF: 7924.8/76

- sign -22.099+/-0.373 χ^2/NDF: 4056.8/38



Right In: 0.602+/-0.727 χ^2/NDF: 92.9/15

Left Out: 5.094+/-0.325 χ^2/NDF:571.4/21

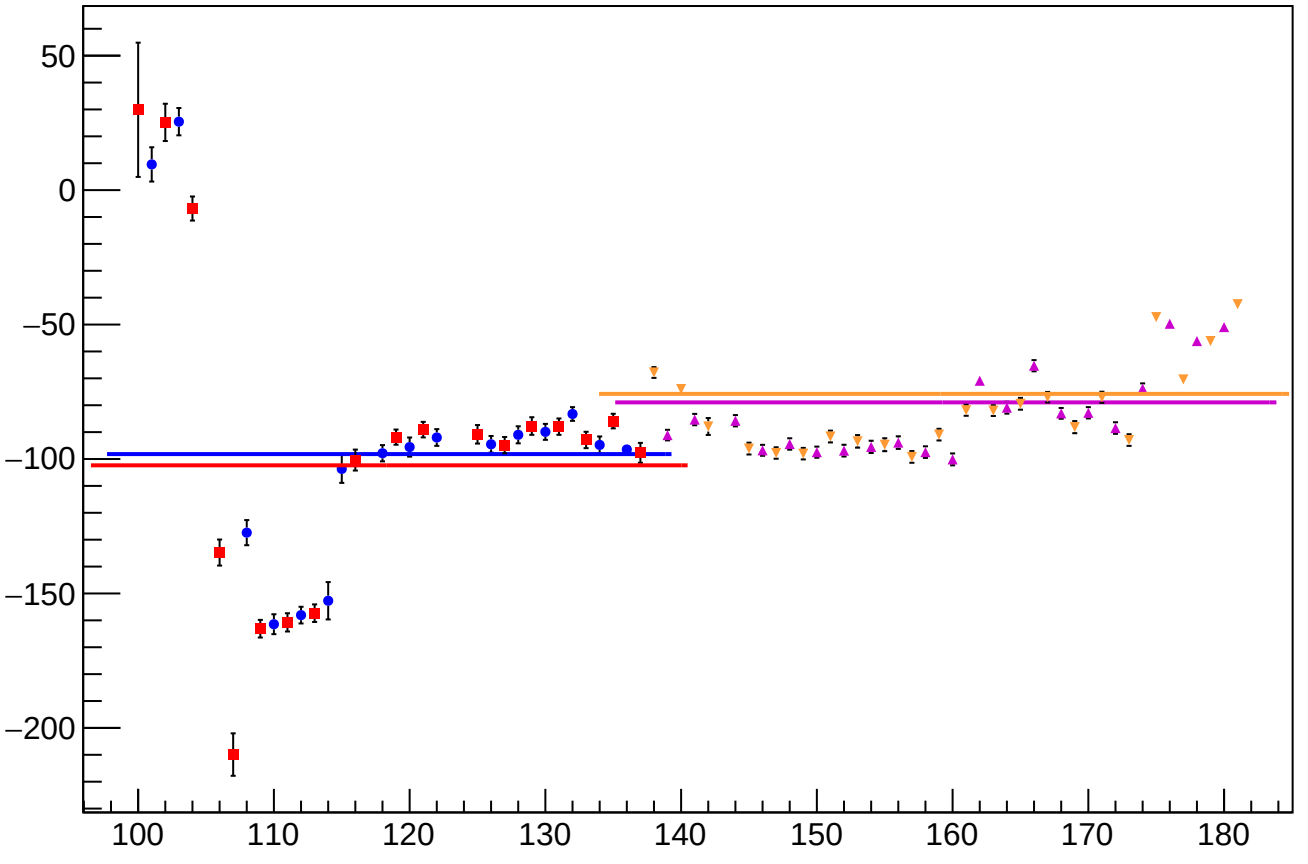
Right Out: 0.496+/-0.755 χ^2/NDF: 80.2/17

Left In: 4.023+/-0.332 χ^2/NDF:424.9/20

+ sign 4.348+/-0.296 χ^2/NDF: 696.1/37

All: 3.911+/-0.212 χ^2/NDF: 1223.9/76

- sign 3.451+/-0.304 χ^2/NDF: 523.4/38



Right In: -98.168+/-0.813 χ^2/NDF: 1699.9/15

Left Out: -75.775+/-0.424 χ^2/NDF:1935.5/21

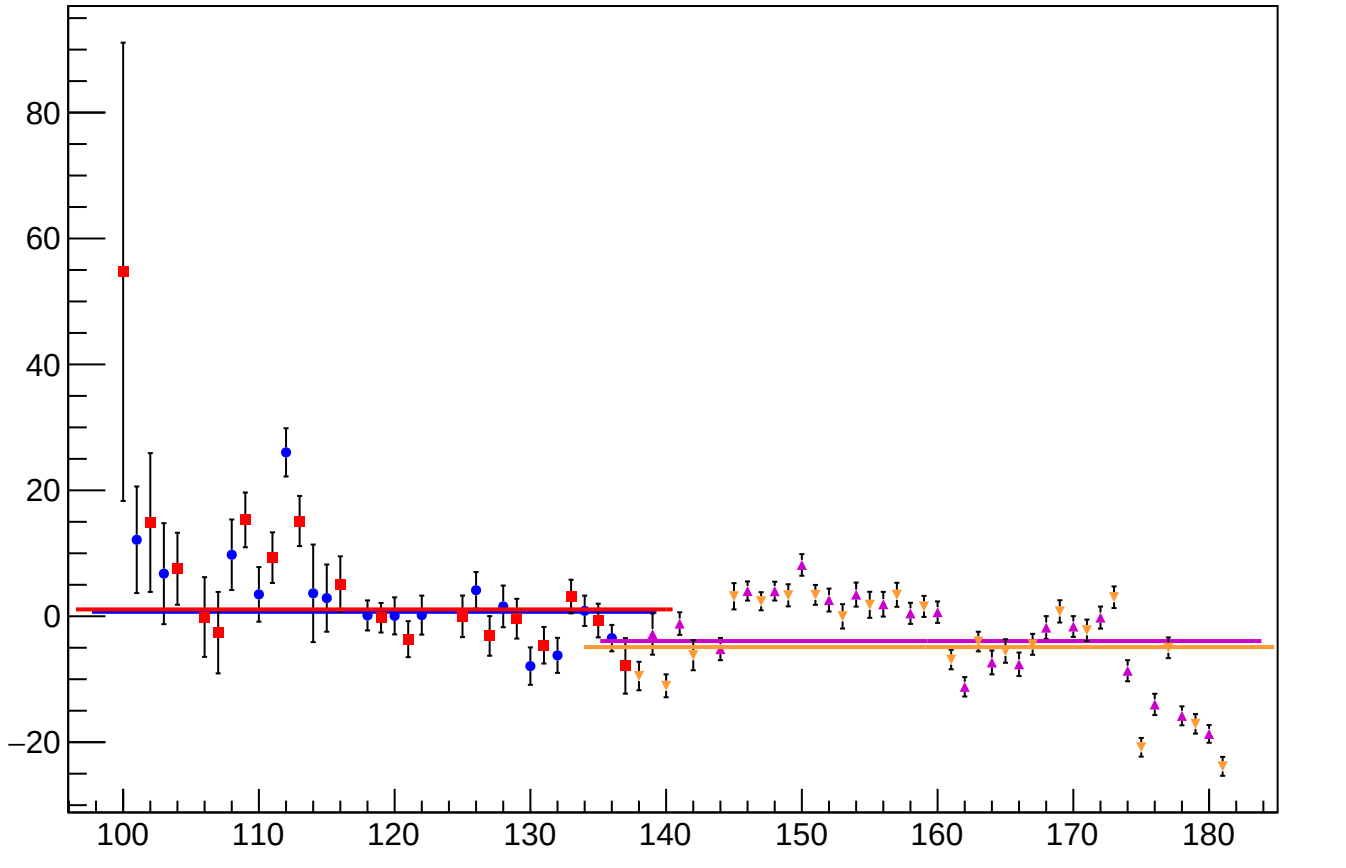
Right Out: -102.349+/-0.837 χ^2/NDF: 2117.5/17

Left In: -78.939+/-0.433 χ^2/NDF:1599.7/20

+ sign -80.564+/-0.376 χ^2/NDF: 4232.2/37

All: -82.183+/-0.269 χ^2/NDF: 8604.8/76

- sign -83.876+/-0.384 χ^2/NDF: 4334.6/38



Right In: 0.711+/-0.821 χ^2/NDF: 69.6/15

Left Out: -4.894+/-0.367 χ^2/NDF:529.2/21

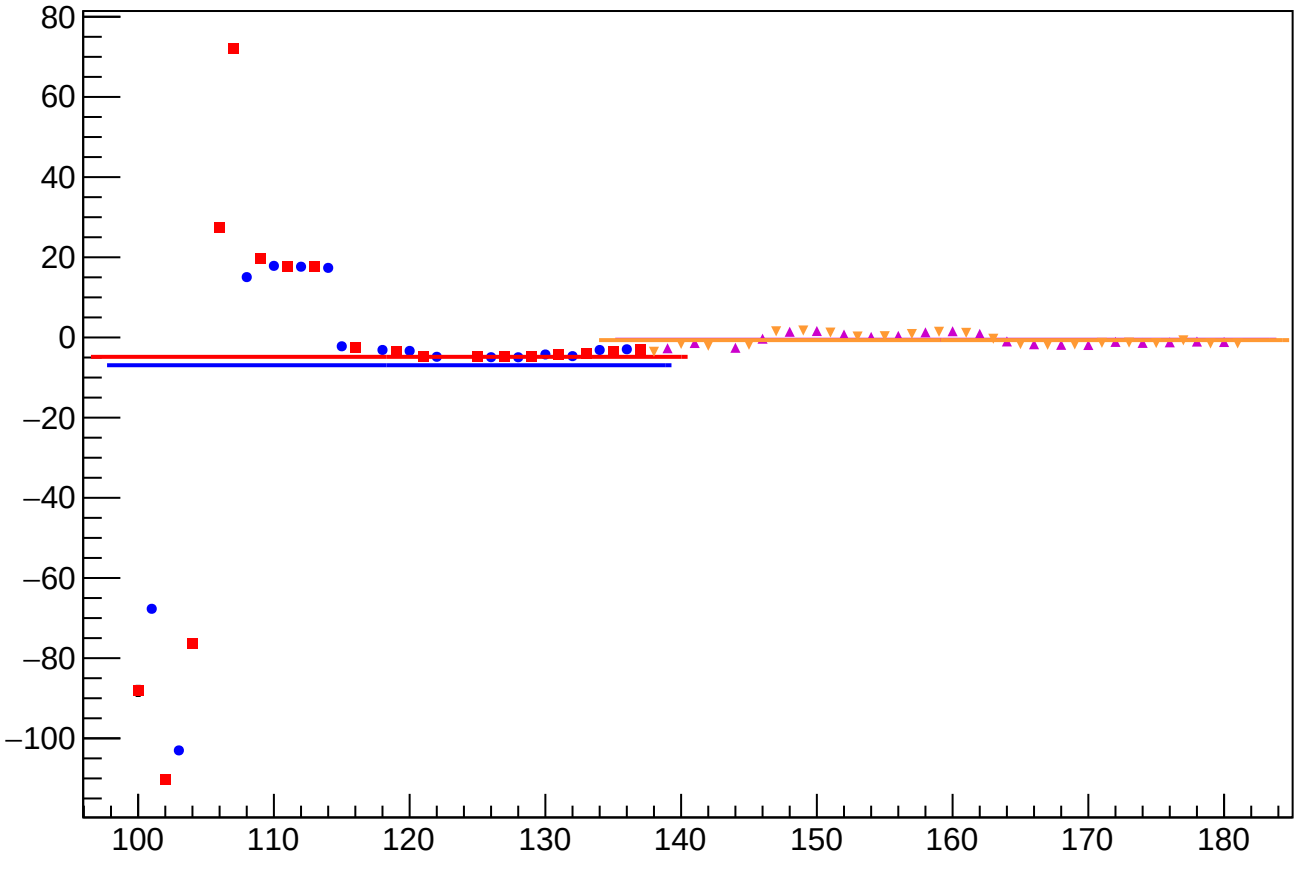
Right Out: 1.088+/-0.856 χ^2/NDF: 47.7/17

Left In: -3.937+/-0.375 χ^2/NDF:412.0/20

\+ sign -3.960+/-0.335 χ^2/NDF: 637.6/37

All: -3.555+/-0.240 χ^2/NDF: 1129.1/76

\- sign -3.129+/-0.343 χ^2/NDF: 488.5/38



Right In: -6.927+/-0.049 χ^2/NDF: 265187.0/15

Left Out: -0.662+/-0.016 χ^2/NDF:6851.9/21

Right Out: -4.833+/-0.053 χ^2/NDF: 339363.3/17

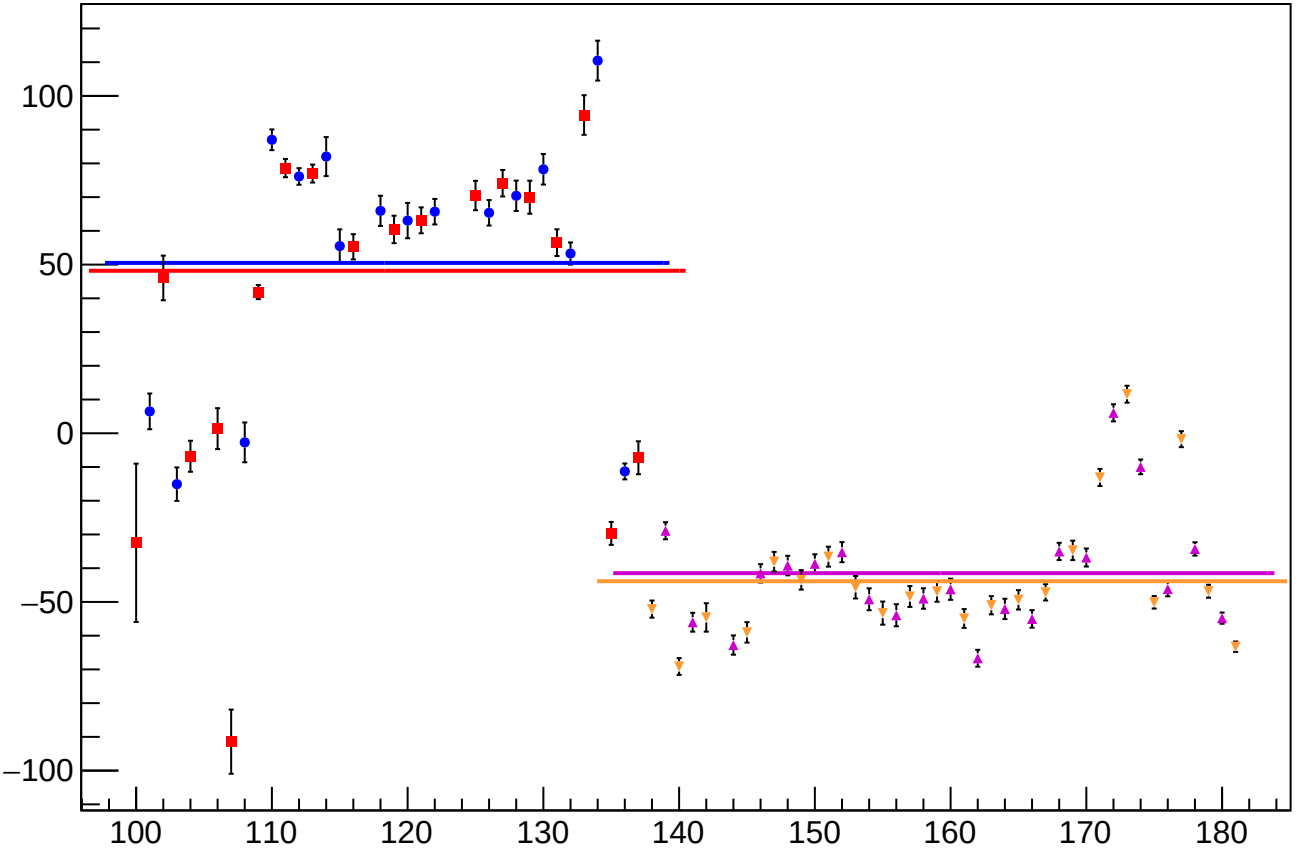
Left In: -0.568+/-0.017 χ^2/NDF:6237.7/20

+ sign -1.310+/-0.016 χ^2/NDF: 286981.8/37

All: -1.132+/-0.011 χ^2/NDF: 638783.8/76

- sign -0.950+/-0.016 χ^2/NDF: 351540.0/38

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: -43.859+/-0.545 χ^2/NDF:1324.7/21

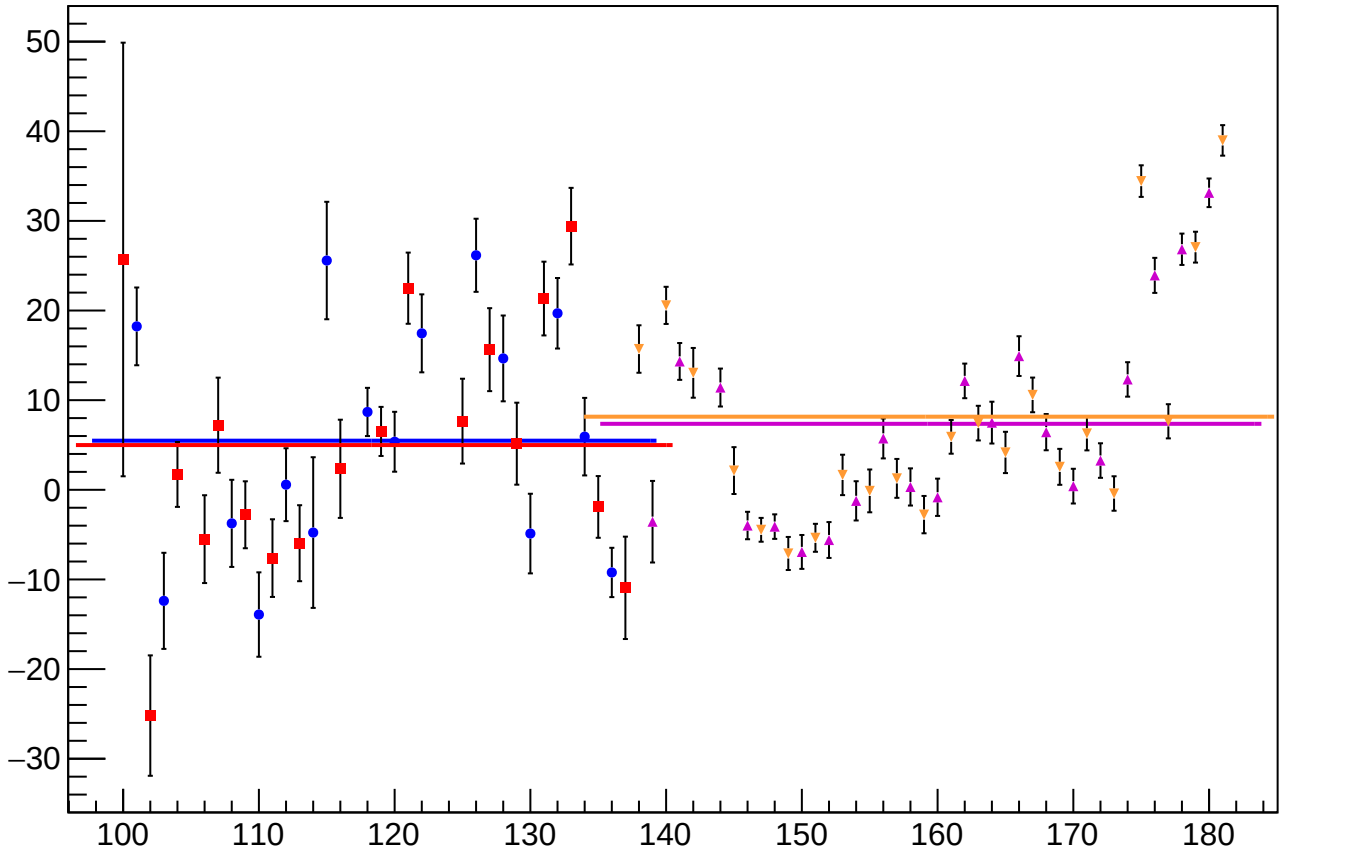
Right Out: 48.172+/-0.914 χ^2/NDF: 1519.5/17

Left In: -41.467+/-0.558 χ^2/NDF:933.0/20

\+ sign -21.063+/-0.474 χ^2/NDF: 10075.1/37

All: -19.104+/-0.336 χ^2/NDF: 19564.3/76

\- sign -17.129+/-0.476 χ^2/NDF: 9455.0/38



Right In: 5.481+/-1.021 χ^2/NDF: 138.2/15

Left Out: 8.158+/-0.414 χ^2/NDF:1049.7/21

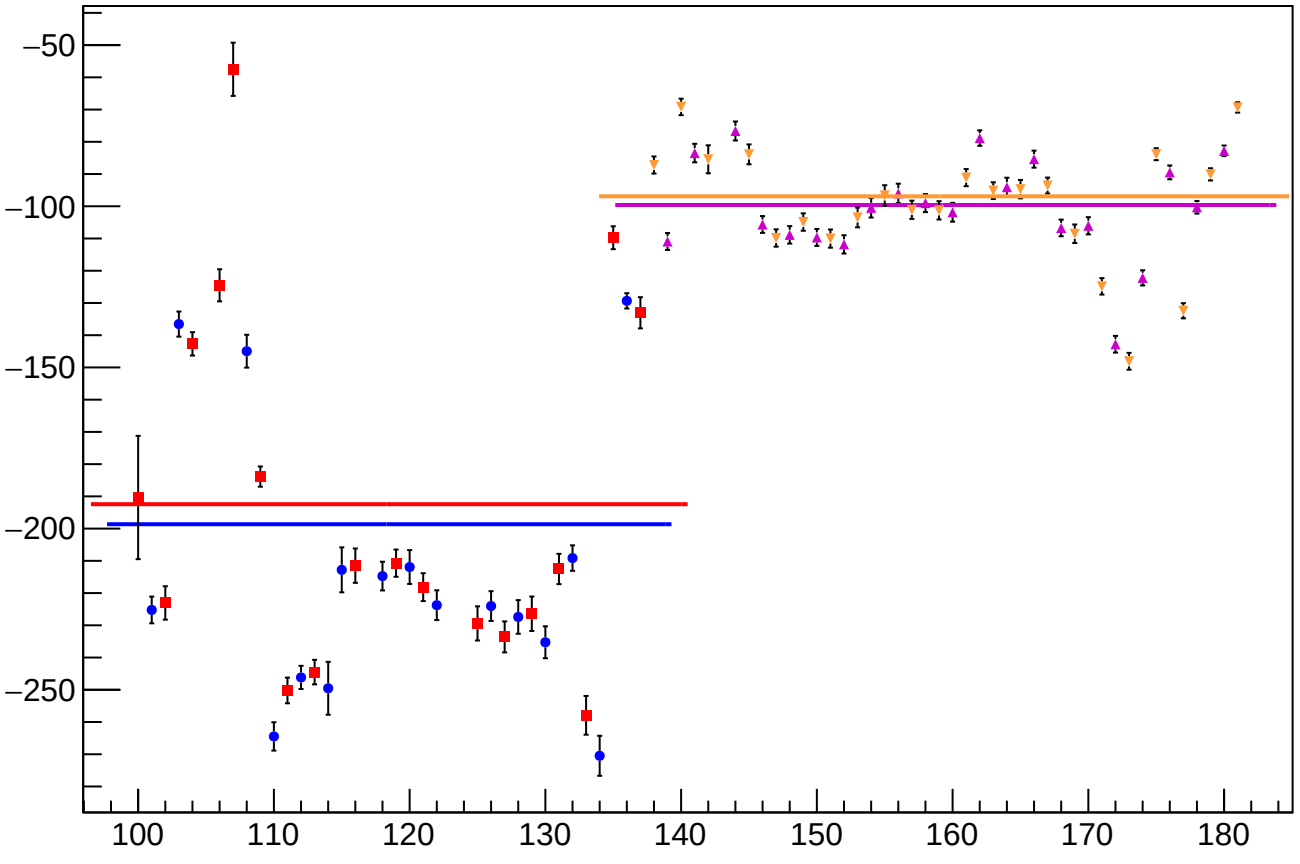
Right Out: 4.992+/-1.023 χ^2/NDF: 131.8/17

Left In: 7.361+/-0.424 χ^2/NDF:786.9/20

+ sign 7.779+/-0.384 χ^2/NDF: 1193.7/37

All: 7.404+/-0.274 χ^2/NDF: 2119.0/76

- sign 7.014+/-0.392 χ^2/NDF: 923.3/38



Right In: -198.641+/-1.083 χ^2/NDF: 2002.3/15

Left Out: -96.914+/-0.539 χ^2/NDF:1330.7/21

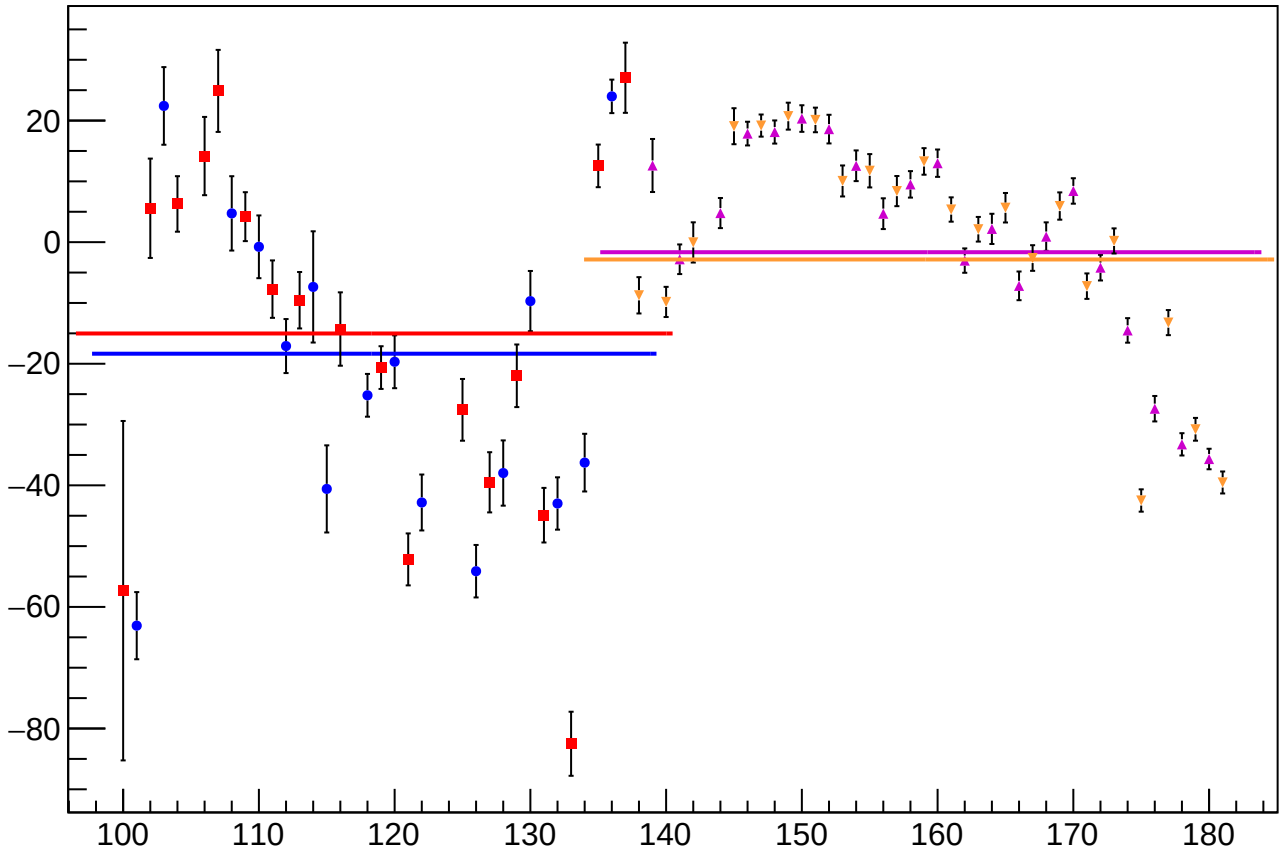
Right Out: -192.426+/-1.080 χ^2/NDF: 2139.0/17

Left In: -99.601+/-0.551 χ^2/NDF:779.1/20

+ sign -117.114+/-0.483 χ^2/NDF: 10398.9/37

All: -117.926+/-0.344 χ^2/NDF: 19187.8/76

- sign -118.764+/-0.491 χ^2/NDF: 8783.2/38



Right In: -18.348+/-1.159 χ^2/NDF: 543.9/15

Left Out: -2.848+/-0.468 χ^2/NDF:1766.7/21

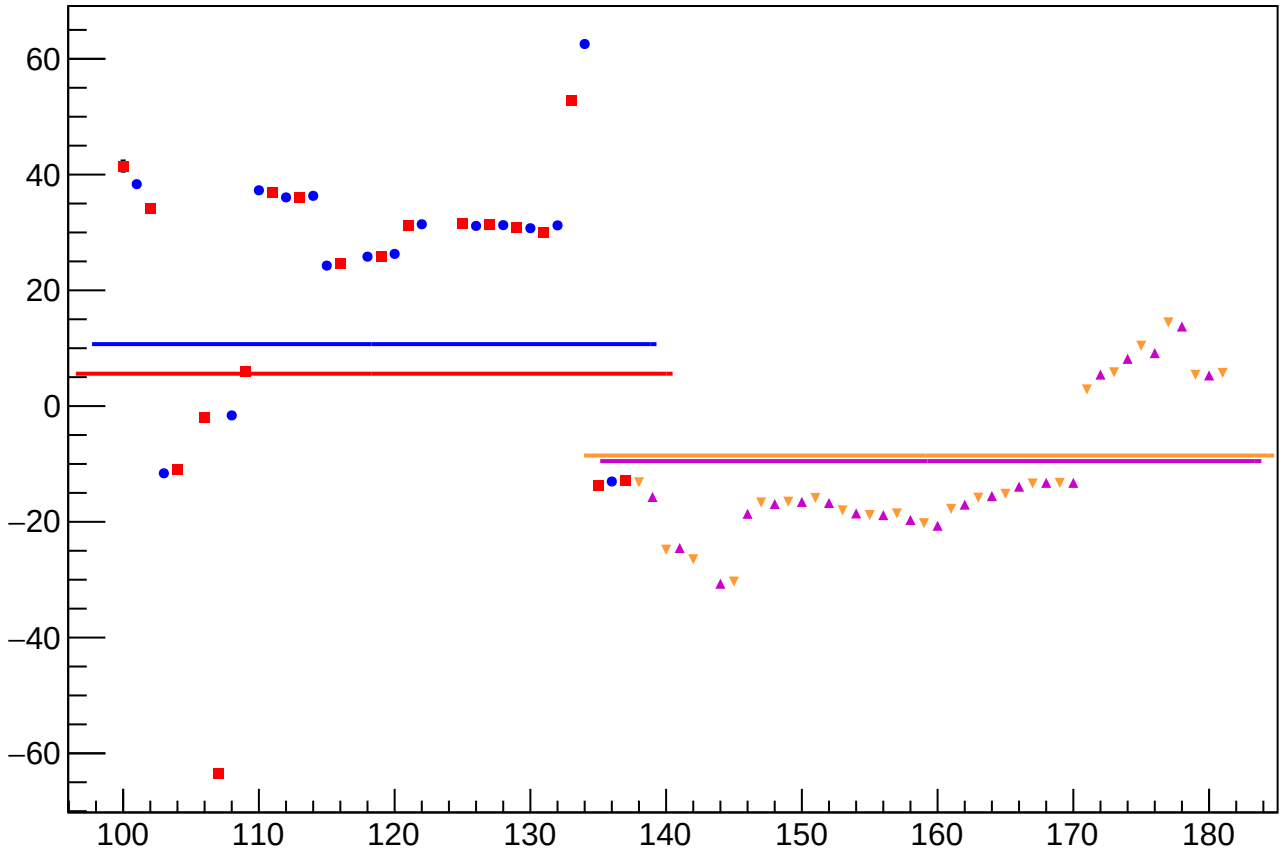
Right Out: -15.021+/-1.162 χ^2/NDF: 546.4/17

Left In: -1.651+/-0.478 χ^2/NDF:1436.7/20

+ sign -5.023+/-0.434 χ^2/NDF: 2464.3/37

All: -4.317+/-0.310 χ^2/NDF: 4566.1/76

- sign -3.585+/-0.442 χ^2/NDF: 2096.4/38



Right In: 10.704+/-0.063 χ^2/NDF: 164860.8/15

Left Out: -8.543+/-0.021 χ^2/NDF:369979.7/21

Right Out: 5.595+/-0.064 χ^2/NDF: 154966.4/17

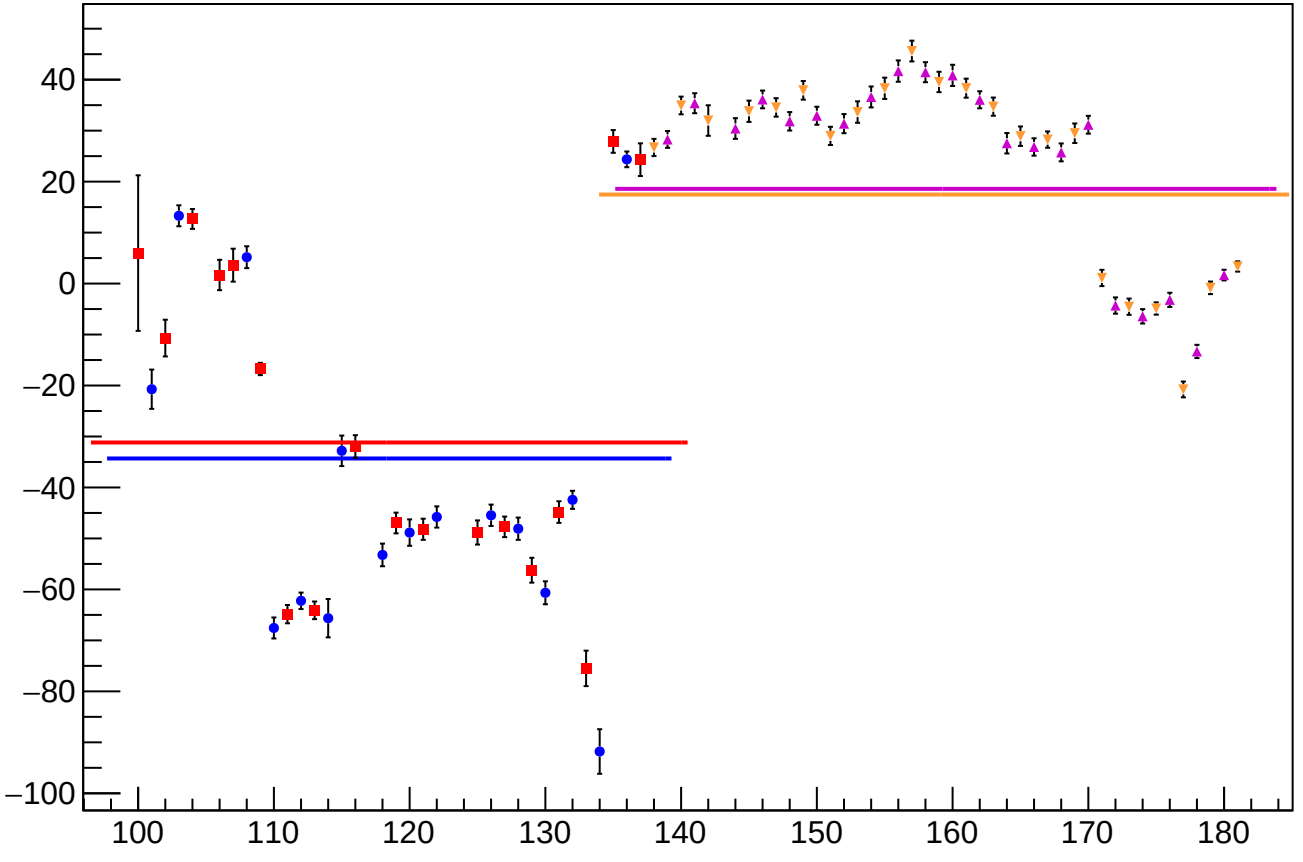
Left In: -9.506+/-0.021 χ^2/NDF:348797.8/20

+ sign -6.606+/-0.020 χ^2/NDF: 619044.9/37

All: -7.301+/-0.014 χ^2/NDF: 1175989.9/76

- sign -8.003+/-0.020 χ^2/NDF: 554508.0/38

reg_asym_us_dd_at2lr_dd_dd_diff_bpm1X_slope vs Slug



Right In: -34.315+/-0.548 χ^2/NDF: 3500.2/15

Left Out: 17.465+/-0.355 χ^2/NDF:2940.8/21

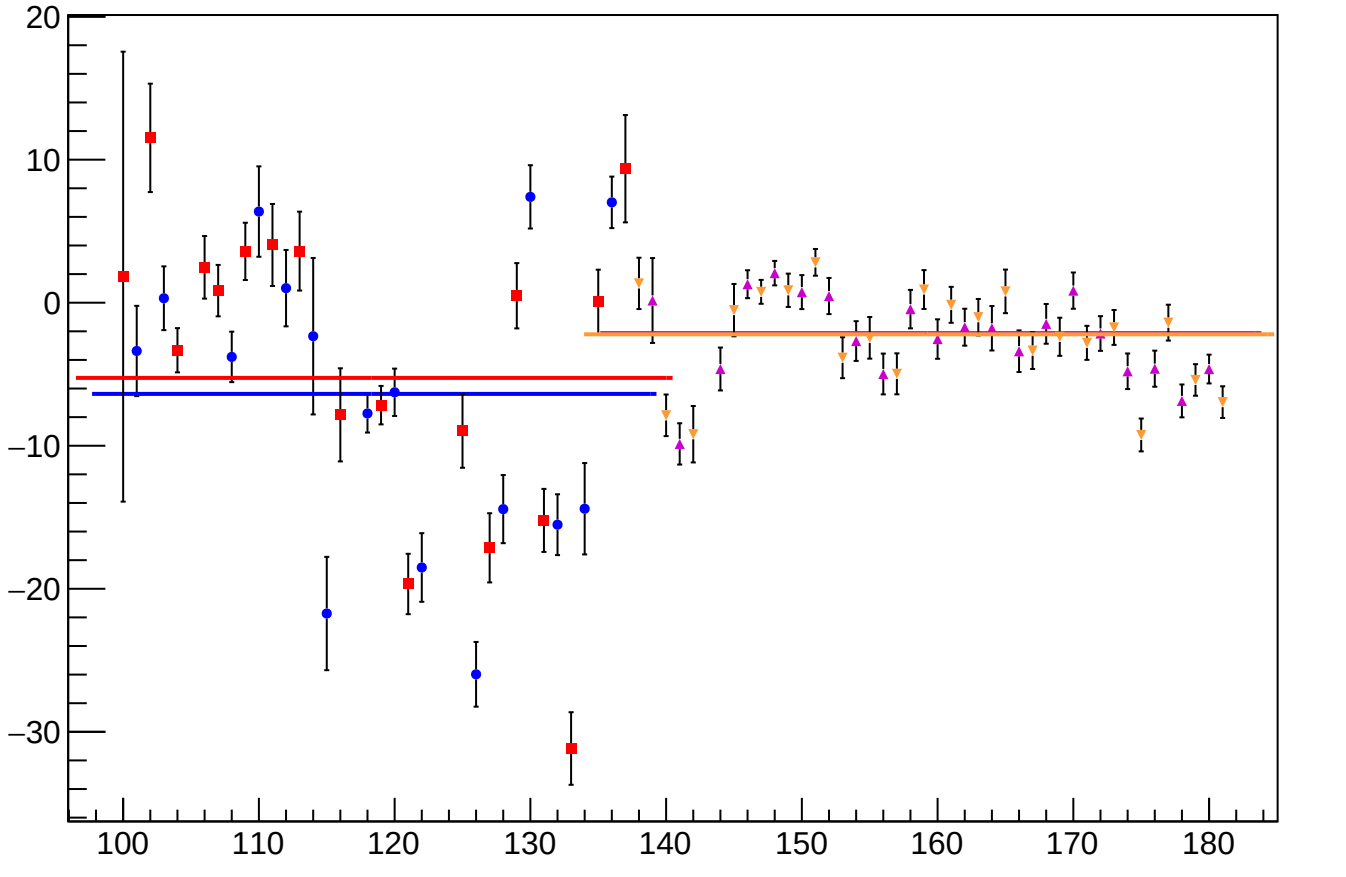
Right Out: -31.175+/-0.516 χ^2/NDF: 3200.4/17

Left In: 18.581+/-0.363 χ^2/NDF:2709.7/20

+ sign 2.168+/-0.298 χ^2/NDF: 12736.8/37

All: 2.134+/-0.210 χ^2/NDF: 24871.5/76

- sign 2.100+/-0.297 χ^2/NDF: 12134.7/38



Right In: -6.375+/-0.554 χ^2/NDF: 283.6/15

Left Out: -2.209+/-0.268 χ^2/NDF:164.8/21

Right Out: -5.256+/-0.533 χ^2/NDF: 312.9/17

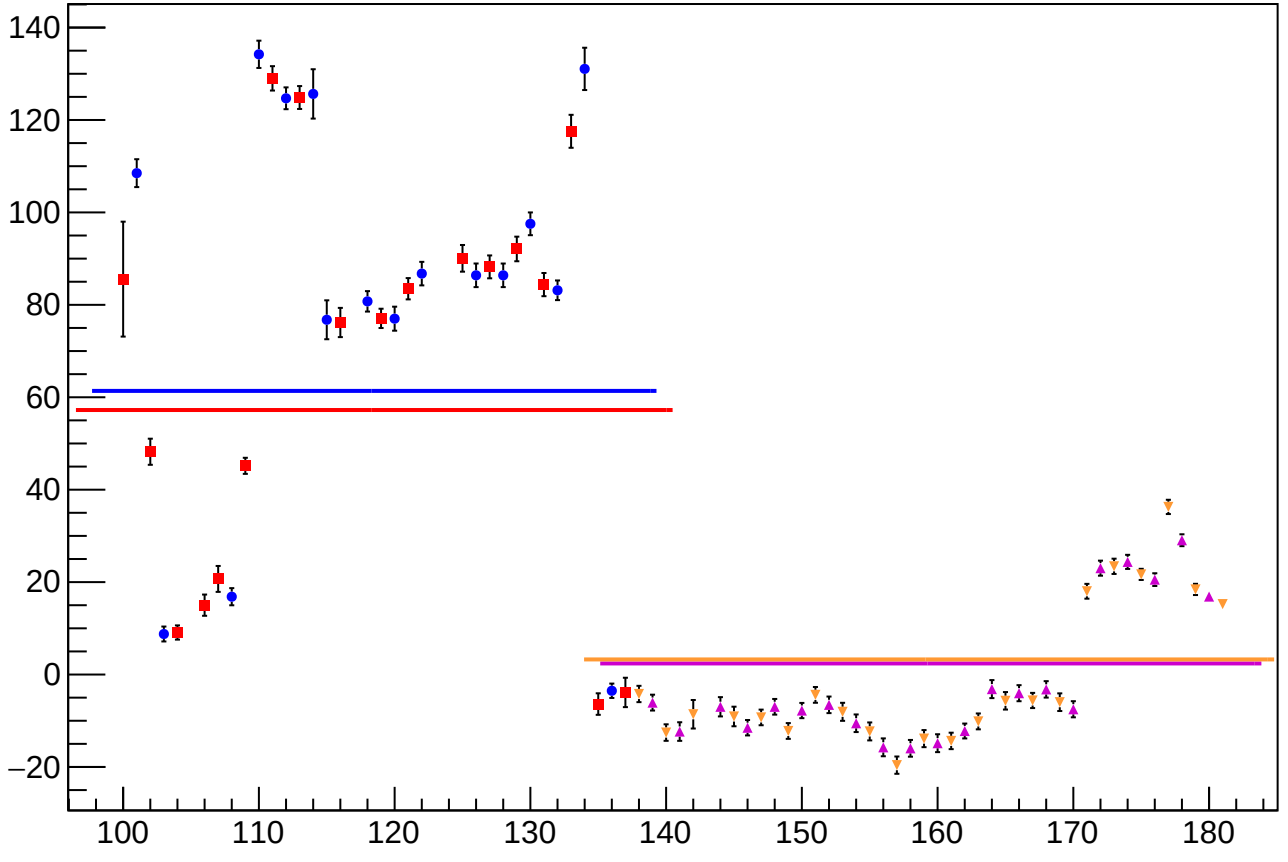
Left In: -2.125+/-0.275 χ^2/NDF:122.7/20

+ sign -3.001+/-0.241 χ^2/NDF: 494.3/37

All: -2.894+/-0.172 χ^2/NDF: 957.6/76

- sign -2.785+/-0.244 χ^2/NDF: 462.9/38

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: 3.269+/-0.351 χ^2/NDF:2079.1/21

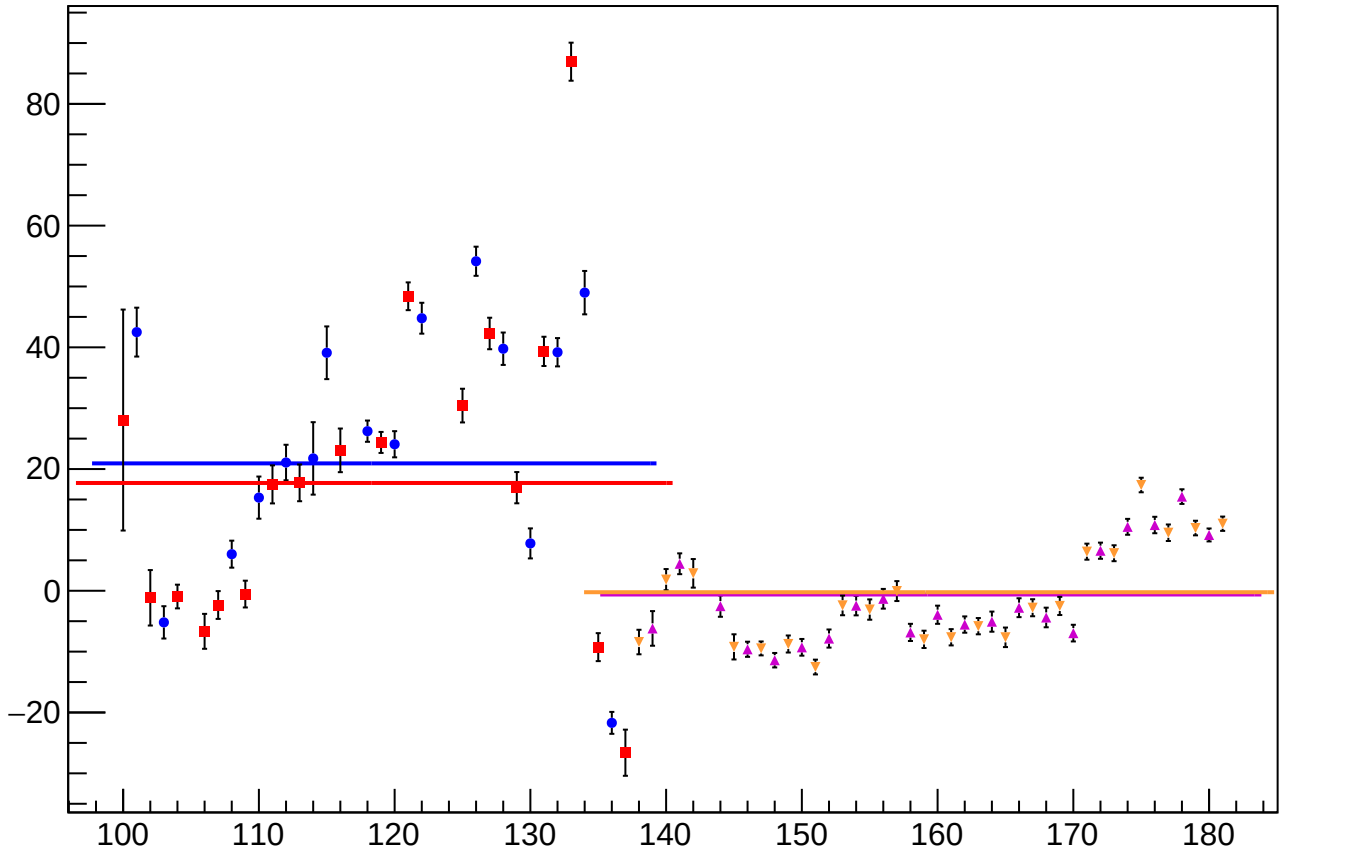
Right Out: 57.240+/-0.580 χ^2/NDF: 5267.5/17

Left In: 2.402+/-0.358 χ^2/NDF:1890.4/20

\+ sign 18.273+/-0.302 χ^2/NDF: 15237.3/37

All: 17.895+/-0.214 χ^2/NDF: 28870.8/76

\- sign 17.509+/-0.305 χ^2/NDF: 13630.3/38



Right In: 20.931+/-0.640 χ^2/NDF: 1245.4/15

Left Out: -0.239+/-0.304 χ^2/NDF:839.6/21

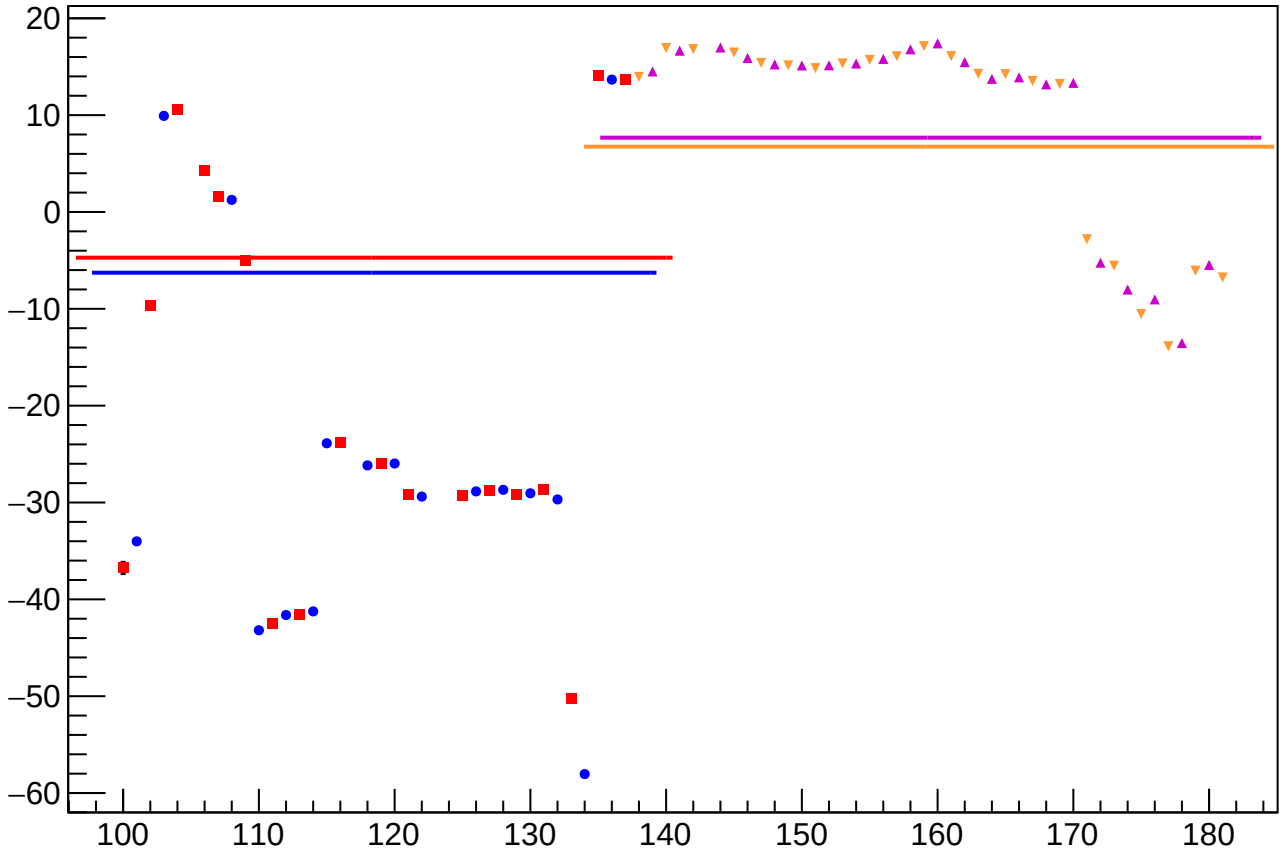
Right Out: 17.711+/-0.618 χ^2/NDF: 1481.9/17

Left In: -0.614+/-0.310 χ^2/NDF:724.0/20

\+ sign 3.652+/-0.274 χ^2/NDF: 2977.7/37

All: 3.367+/-0.195 χ^2/NDF: 5887.7/76

\- sign 3.077+/-0.277 χ^2/NDF: 2907.8/38



Right In: -6.271+/-0.033 χ^2/NDF: 410461.0/15

Left Out: 6.740+/-0.014 χ^2/NDF:675957.7/21

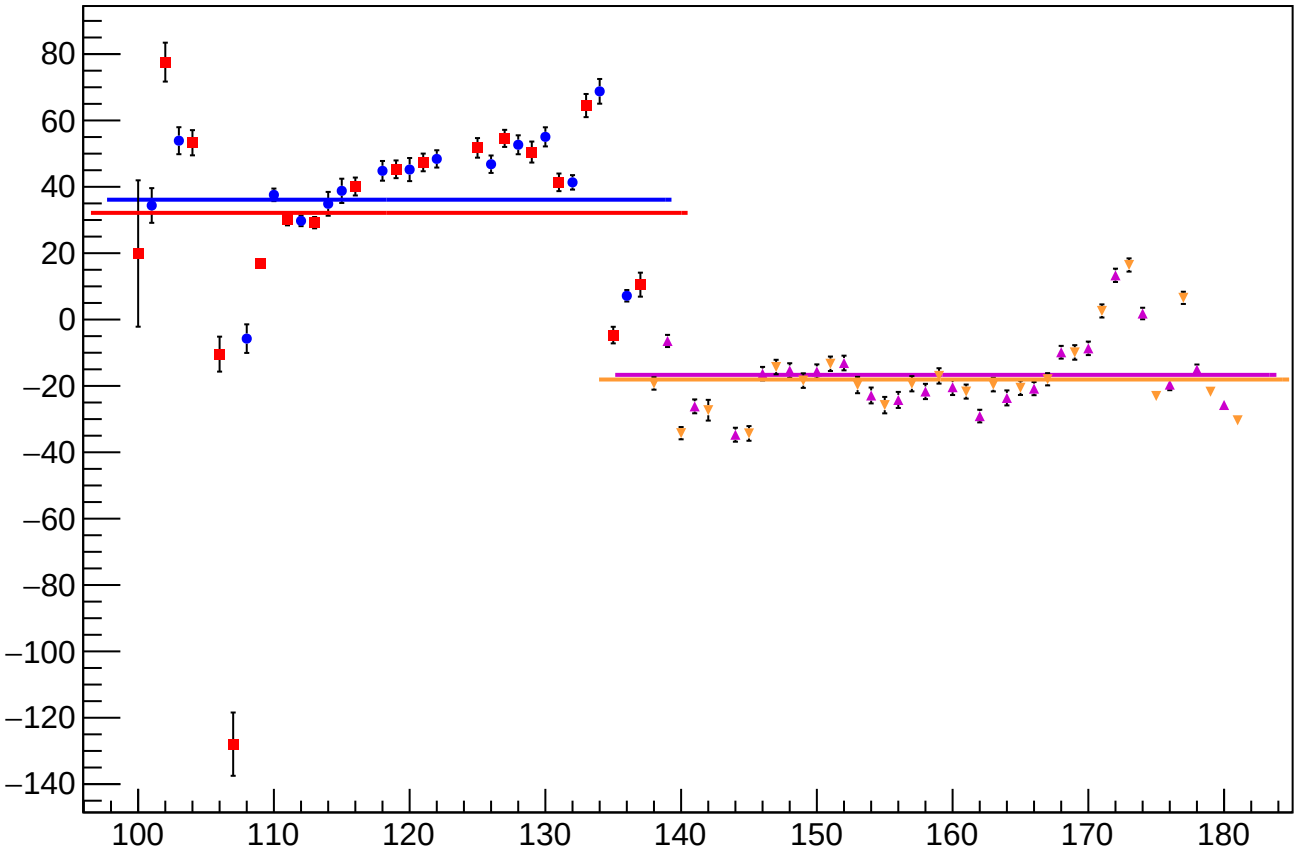
Right Out: -4.720+/-0.034 χ^2/NDF: 306663.6/17

Left In: 7.672+/-0.014 χ^2/NDF:644750.0/20

+ sign 4.876+/-0.013 χ^2/NDF: 1216309.3/37

All: 5.388+/-0.009 χ^2/NDF: 2287034.2/76

- sign 5.906+/-0.013 χ^2/NDF: 1067432.3/38



Right In: 36.118+/-0.656 χ^2/NDF: 622.8/15

Left Out: -18.070+/-0.417 χ^2/NDF:880.6/21

Right Out: 32.150+/-0.631 χ^2/NDF: 1114.6/17

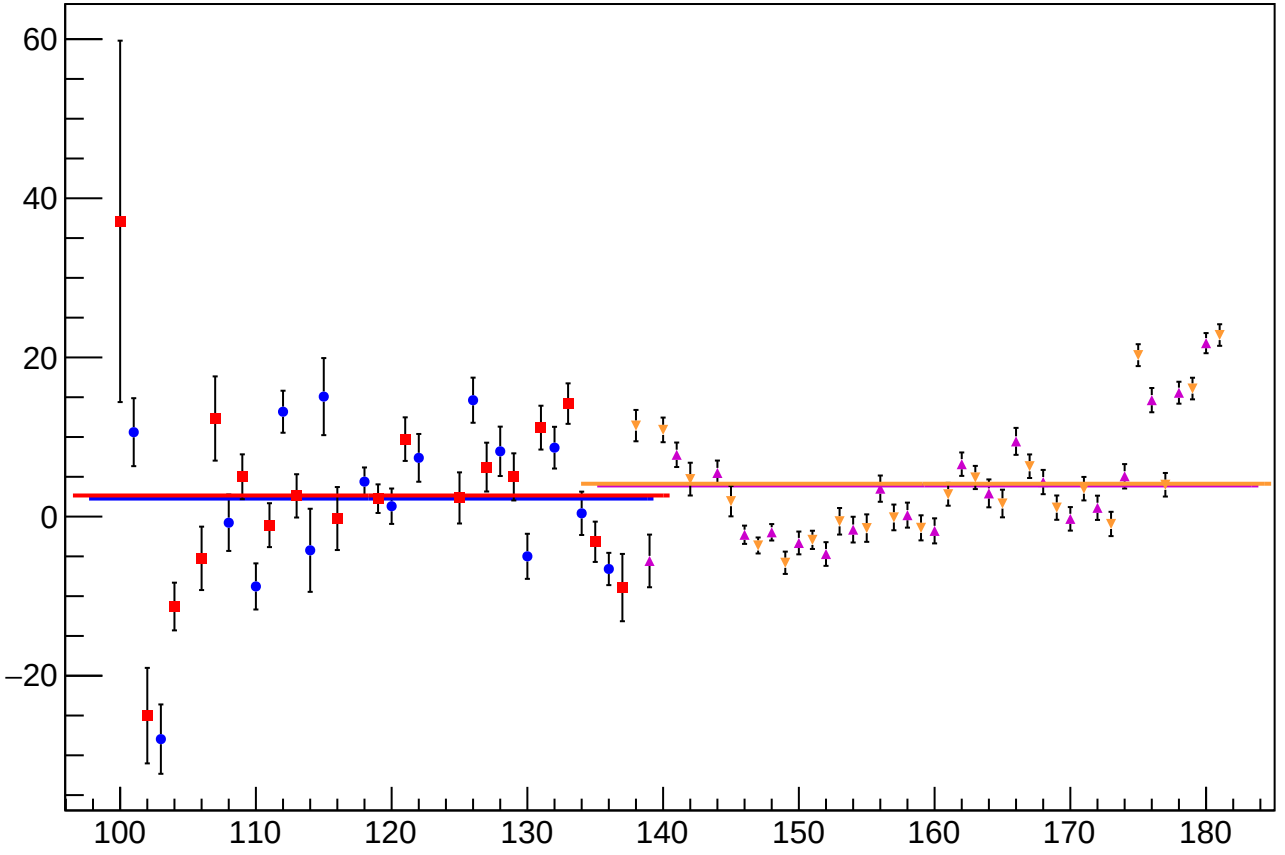
Left In: -16.667+/-0.426 χ^2/NDF:624.7/20

+ sign -2.508+/-0.352 χ^2/NDF: 6360.9/37

All: -1.932+/-0.249 χ^2/NDF: 12218.1/76

- sign -1.352+/-0.353 χ^2/NDF: 5851.7/38

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: 4.129+/-0.315 χ^2/NDF:645.1/21

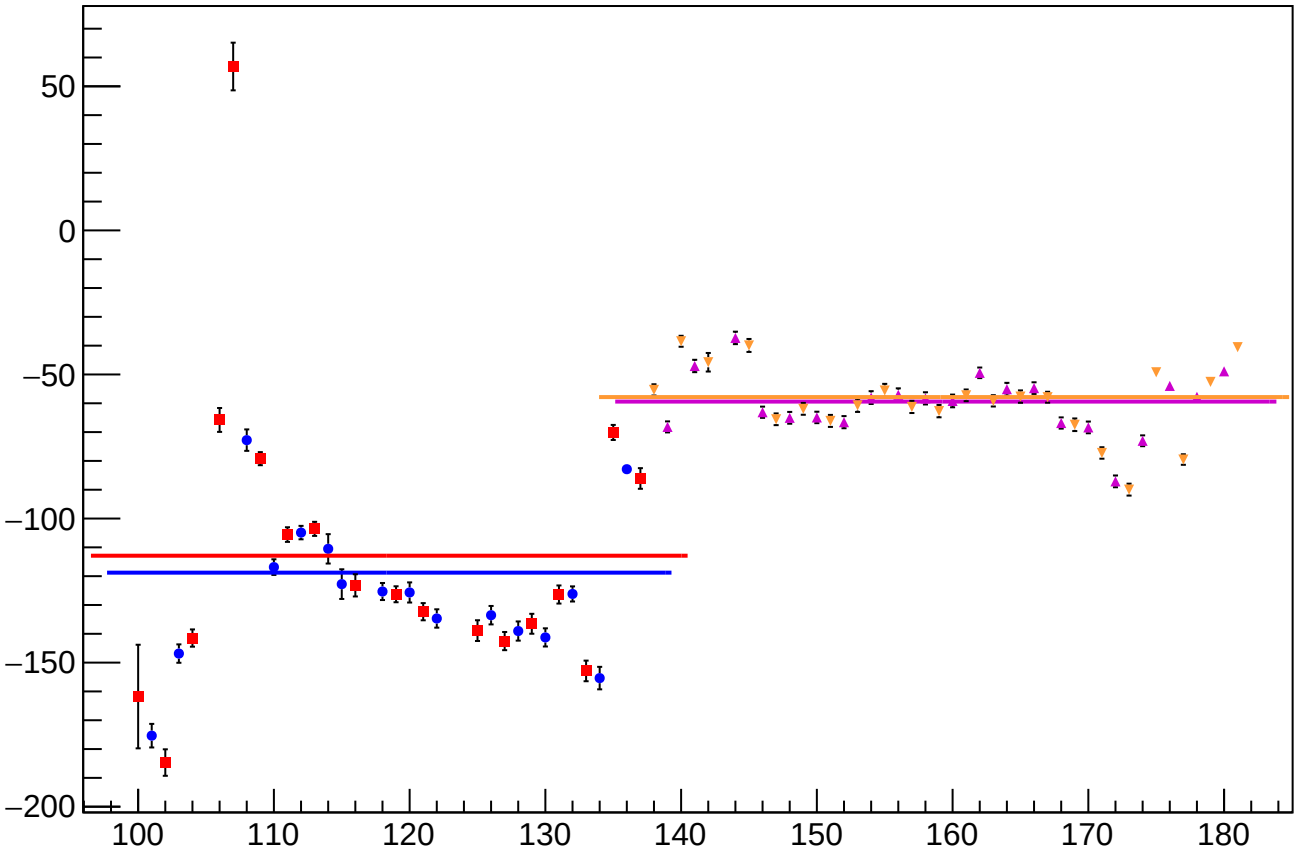
Right Out: 2.651+/-0.715 χ^2/NDF: 107.2/17

Left In: 3.914+/-0.323 χ^2/NDF:513.7/20

\+ sign 3.815+/-0.288 χ^2/NDF: 803.0/37

All: 3.759+/-0.206 χ^2/NDF: 1426.6/76

\- sign 3.700+/-0.294 χ^2/NDF: 623.5/38



Right In: -118.778+/-0.757 χ^2/NDF: 1119.5/15

Left Out: -57.847+/-0.412 χ^2/NDF:953.4/21

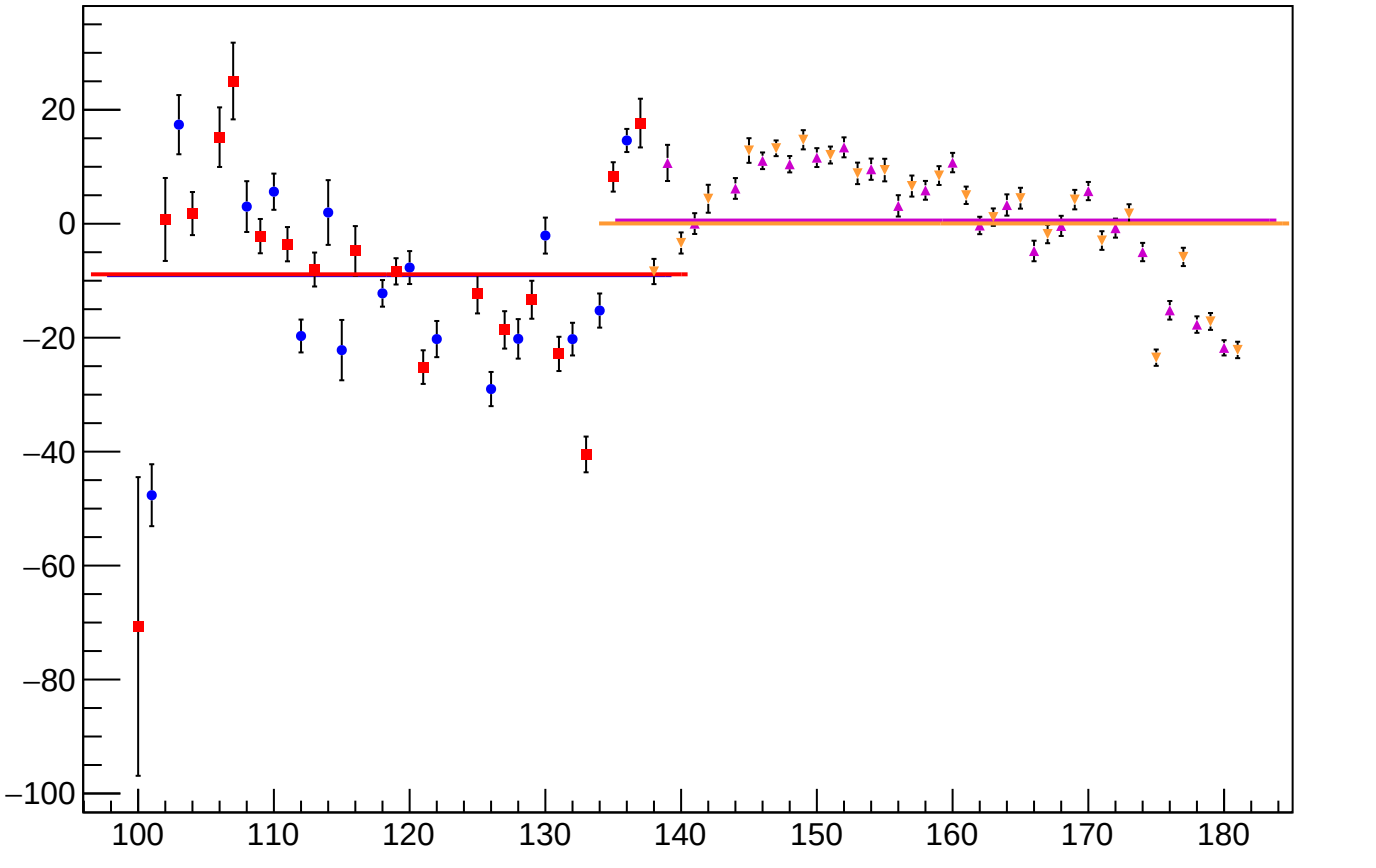
Right Out: -112.899+/-0.761 χ^2/NDF: 1862.9/17

Left In: -59.412+/-0.420 χ^2/NDF:575.1/20

\+ sign -71.777+/-0.362 χ^2/NDF: 7072.6/37

All: -71.847+/-0.258 χ^2/NDF: 13295.9/76

\- sign -71.919+/-0.368 χ^2/NDF: 6223.2/38



Right In: -9.022+/-0.796 χ^2/NDF: 358.0/15

Left Out: 0.050+/-0.357 χ^2/NDF:1056.8/21

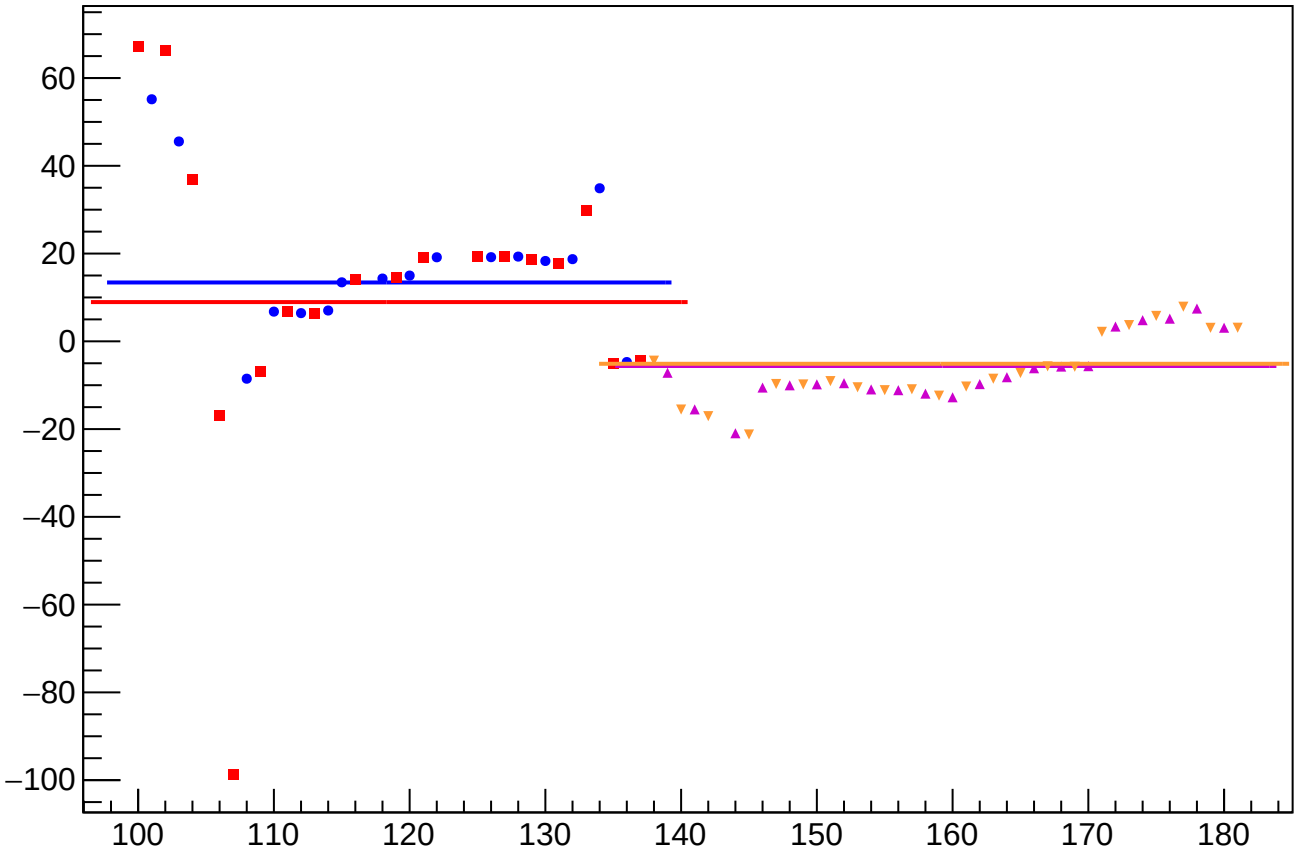
Right Out: -8.878+/-0.810 χ^2/NDF: 318.7/17

Left In: 0.558+/-0.365 χ^2/NDF:854.4/20

+ sign -1.470+/-0.326 χ^2/NDF: 1523.0/37

All: -1.255+/-0.233 χ^2/NDF: 2809.7/76

- sign -1.031+/-0.333 χ^2/NDF: 1285.8/38



Right In: 13.412+/-0.045 χ^2/NDF: 183707.4/15

Left Out: -5.119+/-0.016 χ^2/NDF:224025.0/21

Right Out: 8.943+/-0.047 χ^2/NDF: 291126.5/17

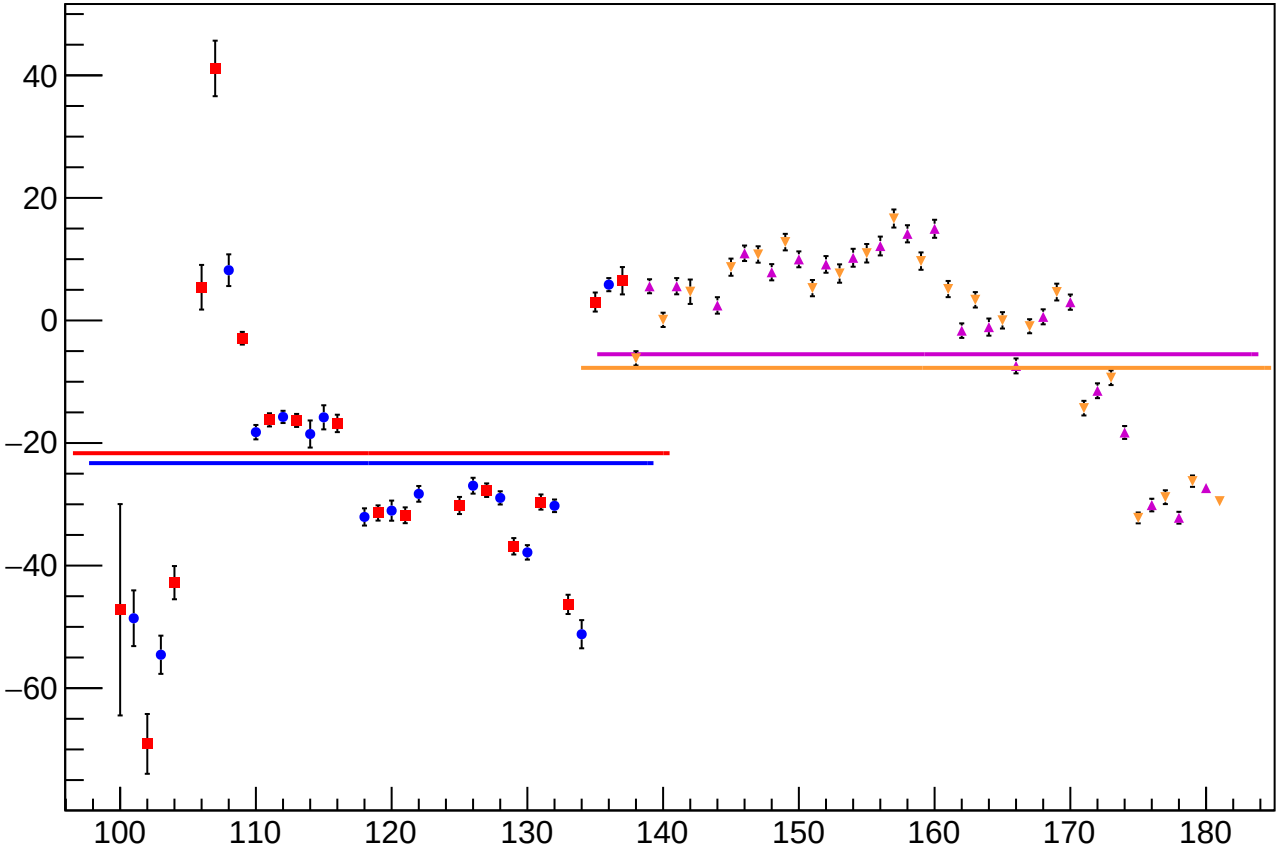
Left In: -5.619+/-0.016 χ^2/NDF:204441.1/20

\+ sign -3.057+/-0.015 χ^2/NDF: 556572.4/37

All: -3.580+/-0.011 χ^2/NDF: 1139172.7/76

\- sign -4.112+/-0.015 χ^2/NDF: 580183.9/38

reg_asym_us_dd_atlr_dd_dd_diff_bpm1X_slope vs Slug



Right In: -23.281+/-0.350 χ^2/NDF: 1567.9/15

Left Out: -7.734+/-0.257 χ^2/NDF:4116.5/21

Right Out: -21.660+/-0.347 χ^2/NDF: 1813.6/17

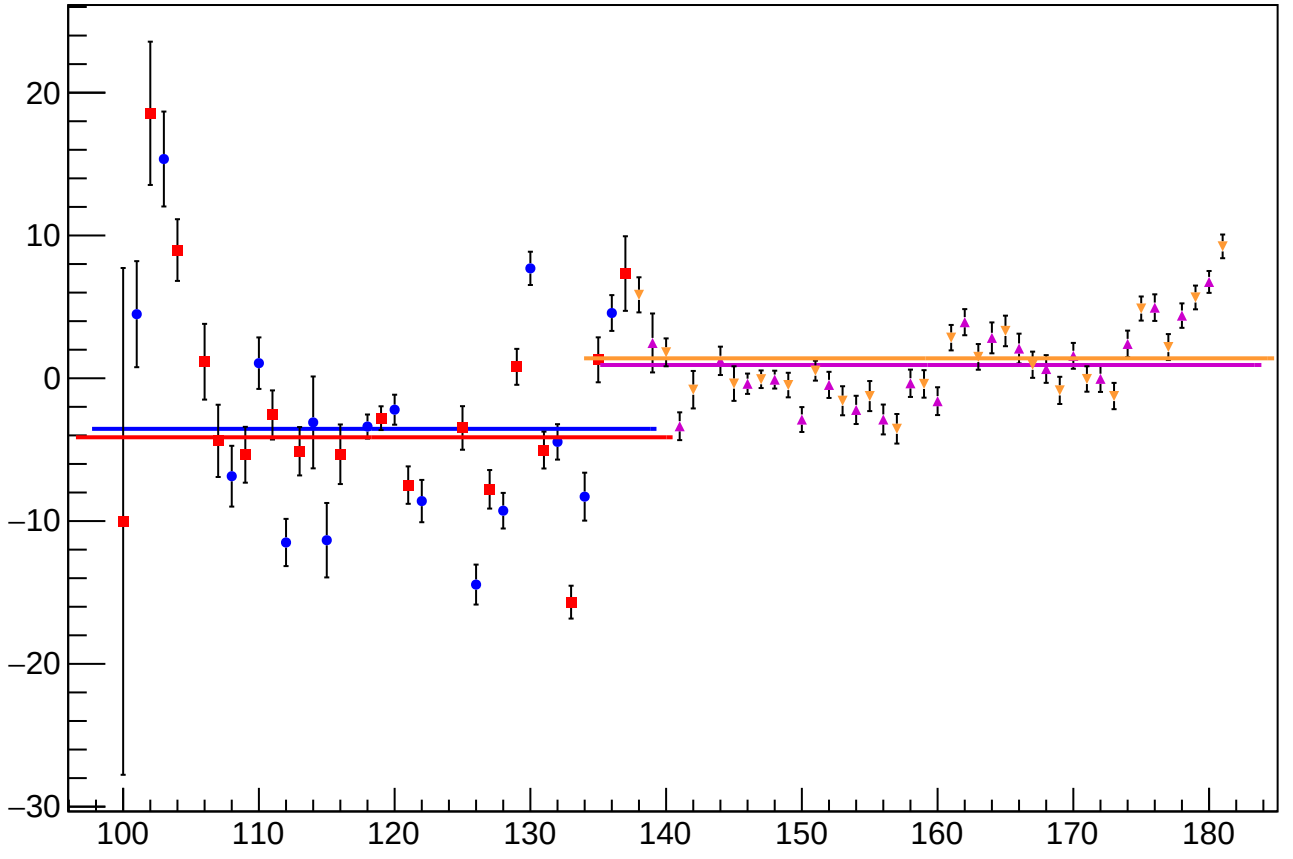
Left In: -5.511+/-0.263 χ^2/NDF:3723.2/20

+ sign -13.166+/-0.207 χ^2/NDF: 6965.1/37

All: -12.290+/-0.147 χ^2/NDF: 13912.5/76

- sign -11.393+/-0.210 χ^2/NDF: 6911.1/38

reg_asym_us_dd_atlr_dd_dd_diff_bpm4aY_slope vs Slug



Right In: -3.541+/-0.363 χ^2/NDF: 316.8/15

Left Out: 1.397+/-0.194 χ^2/NDF:227.1/21

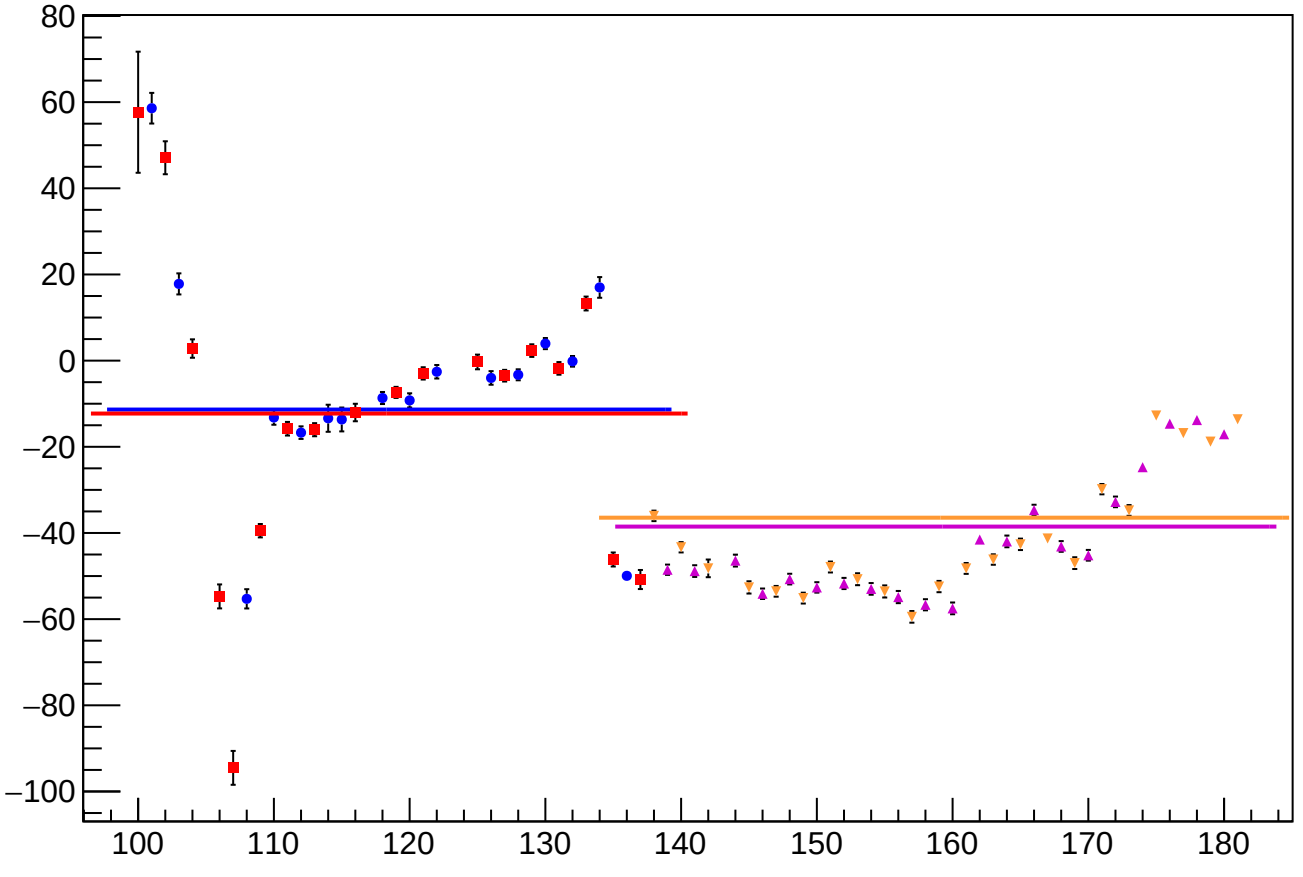
Right Out: -4.132+/-0.371 χ^2/NDF: 227.4/17

Left In: 0.930+/-0.199 χ^2/NDF:191.4/20

+ sign 0.297+/-0.171 χ^2/NDF: 687.9/37

All: 0.053+/-0.122 χ^2/NDF: 1255.7/76

- sign -0.203+/-0.175 χ^2/NDF: 563.7/38



Right In: -11.355+/-0.406 χ^2/NDF: 2661.6/15

Left Out: -36.451+/-0.254 χ^2/NDF:3901.8/21

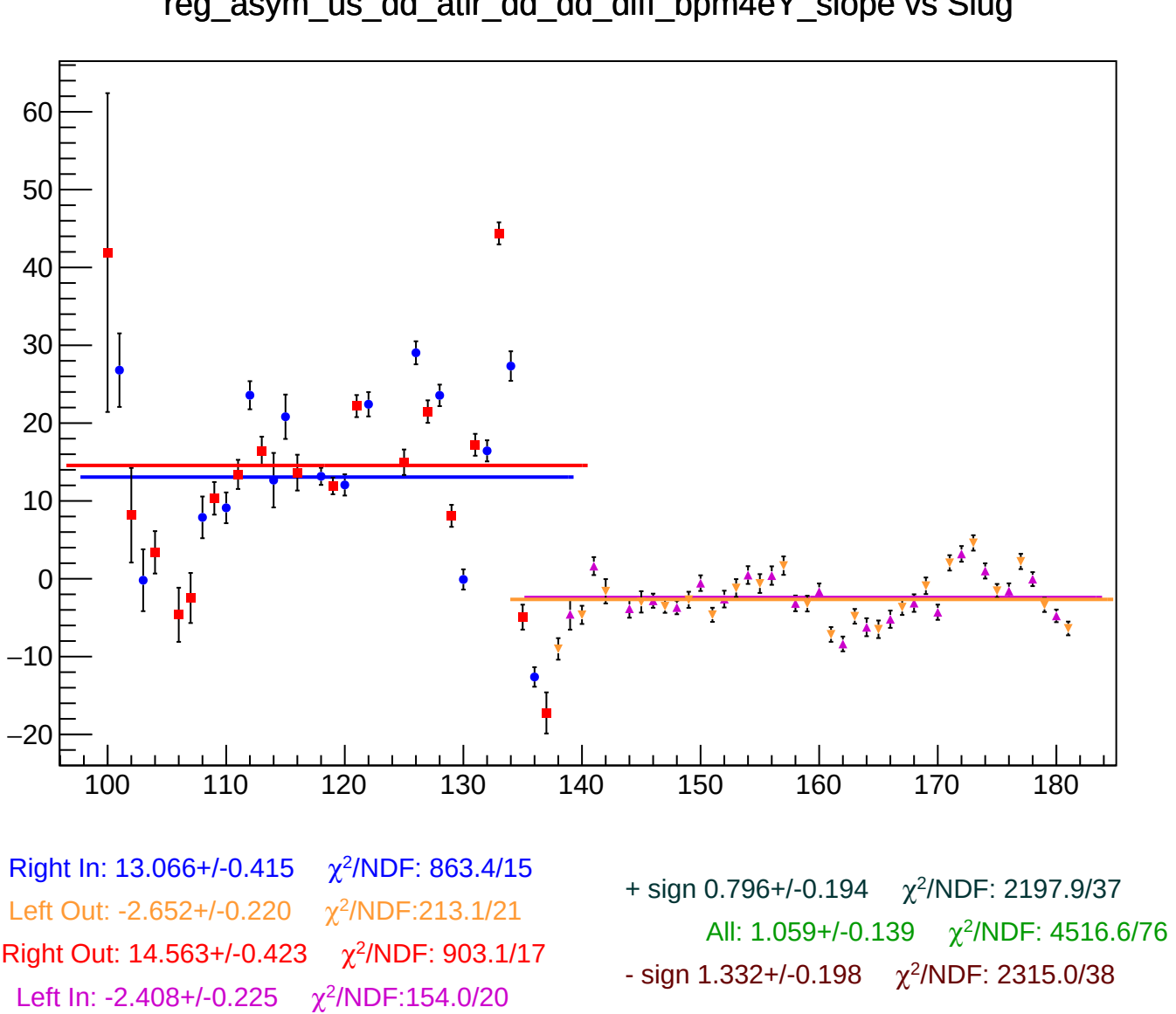
Right Out: -12.281+/-0.413 χ^2/NDF: 2590.4/17

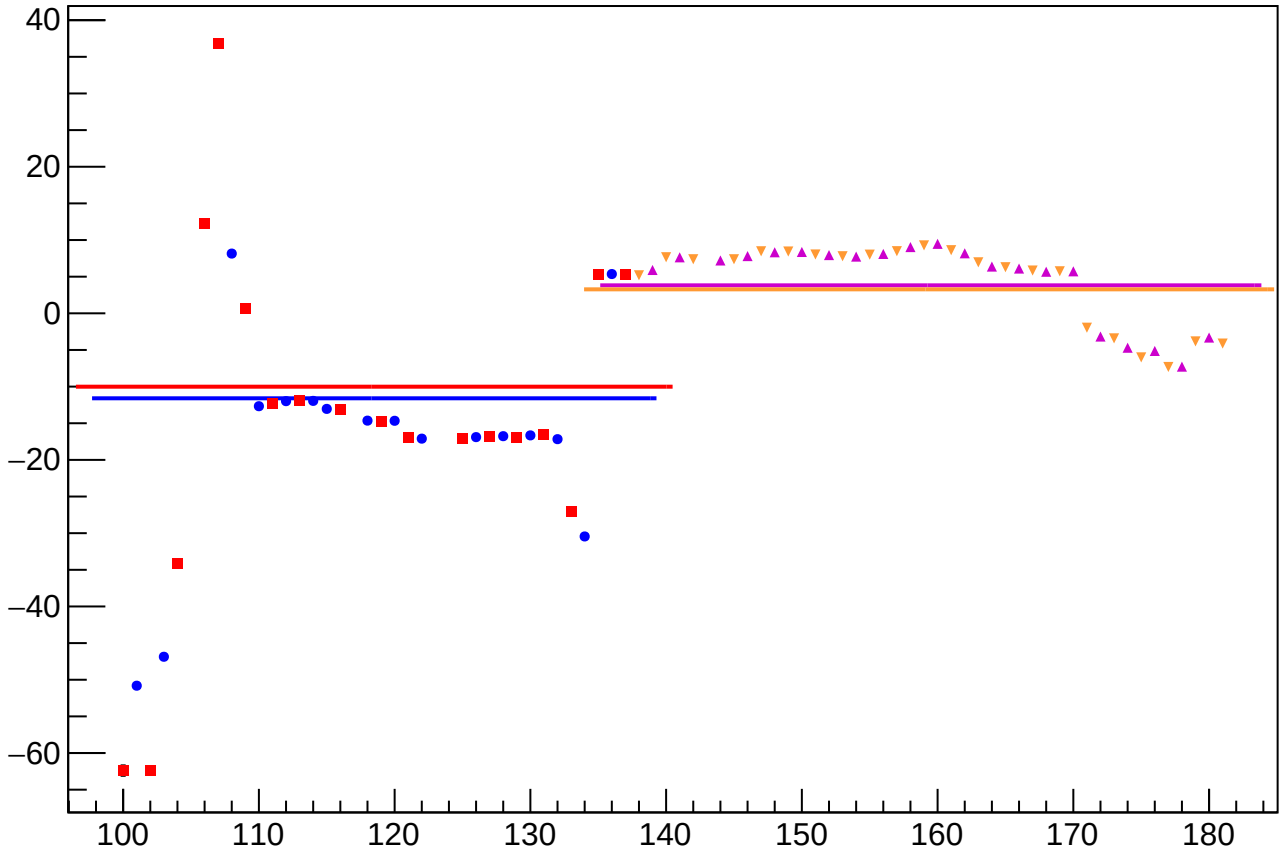
Left In: -38.519+/-0.259 χ^2/NDF:3489.0/20

+ sign -29.387+/-0.215 χ^2/NDF: 9313.3/37

All: -30.232+/-0.154 χ^2/NDF: 18318.3/76

- sign -31.110+/-0.220 χ^2/NDF: 8973.7/38


reg_asym_us_dd_atlr_dd_dd_diff_bpm4eY_slope vs Slug
60
50
40
30
20
10
0
−10
−20
100
110
120
130
140
150
160
170
180
Right In: 13.066+/-0.415 χ²/NDF: 863.4/15
Left Out: -2.652+/-0.220 χ²/NDF:213.1/21
Right Out: 14.563+/-0.423 χ²/NDF: 903.1/17
Left In: -2.408+/-0.225 χ²/NDF:154.0/20
+ sign 0.796+/-0.194 χ²/NDF: 2197.9/37
All: 1.059+/-0.139 χ²/NDF: 4516.6/76
- sign 1.332+/-0.198 χ²/NDF: 2315.0/38



Right In: -11.596+/-0.026 χ^2/NDF: 360523.2/15

Left Out: 3.272+/-0.010 χ^2/NDF:352178.4/21

Right Out: -10.012+/-0.027 χ^2/NDF: 396286.9/17

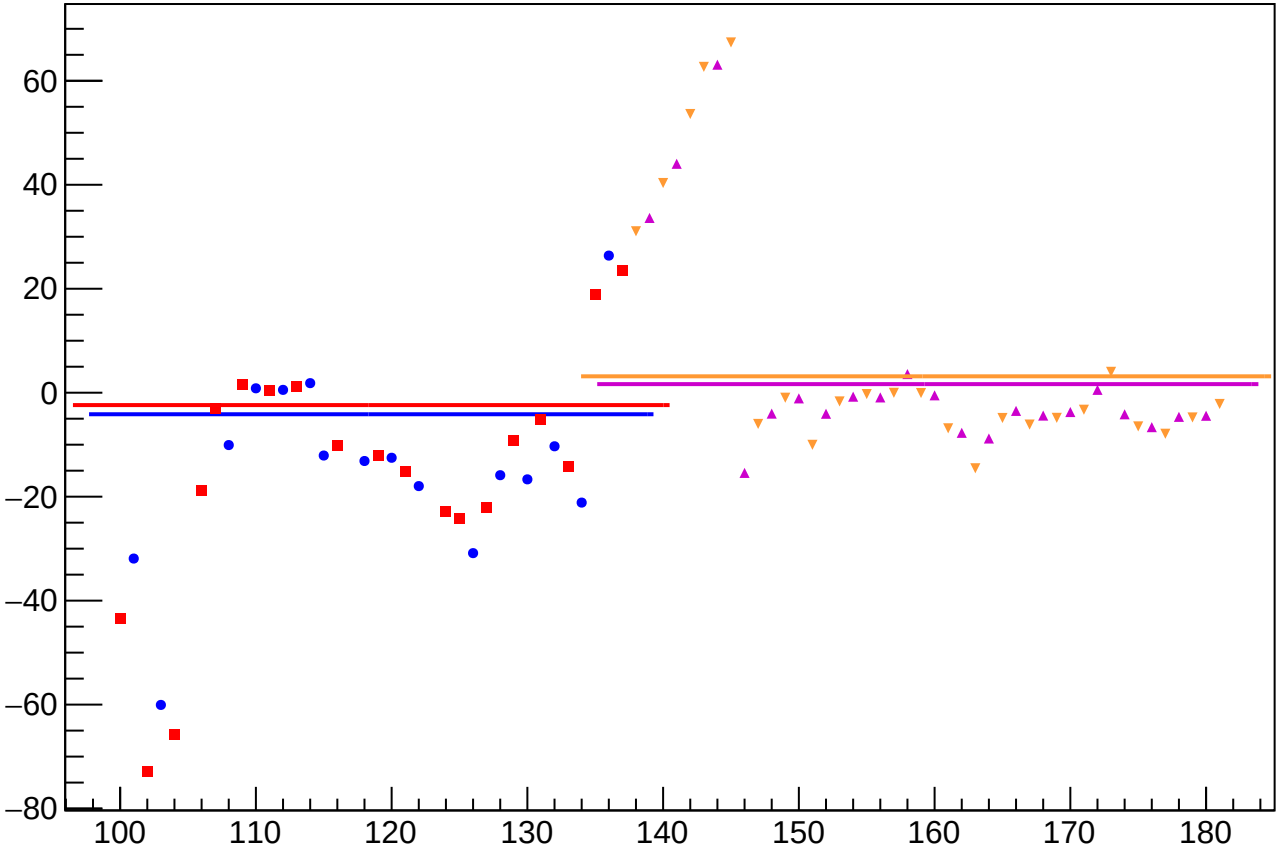
Left In: 3.818+/-0.010 χ^2/NDF:327153.0/20

+ sign 1.436+/-0.009 χ^2/NDF: 992595.5/37

All: 1.822+/-0.007 χ^2/NDF: 1944103.4/76

- sign 2.217+/-0.009 χ^2/NDF: 947970.6/38

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug



Right In: -4.145+/-0.055 χ^2/NDF: 75262.7/15

Left Out: 3.152+/-0.043 χ^2/NDF:174450.7/22

Right Out: -2.382+/-0.046 χ^2/NDF: 80749.3/18

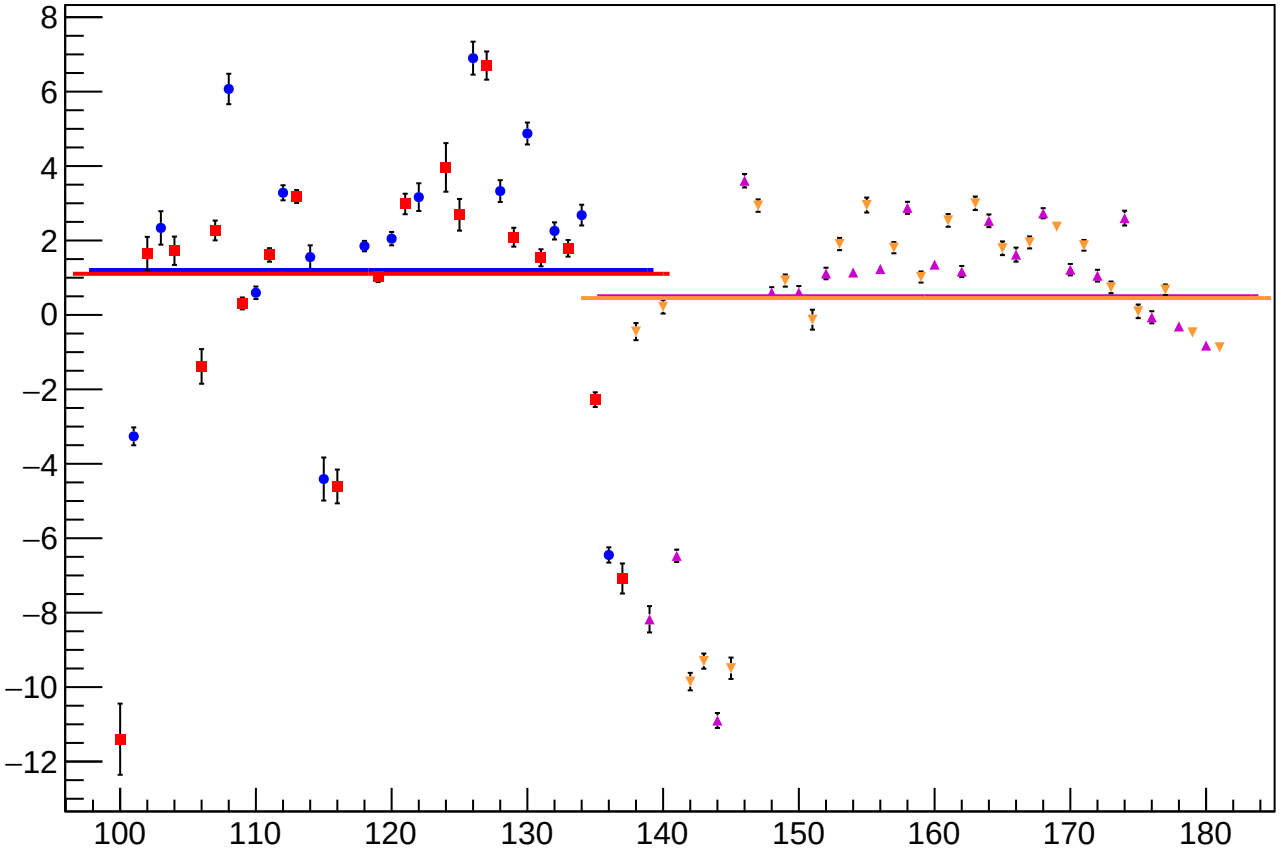
Left In: 1.651+/-0.043 χ^2/NDF:130731.6/20

+ sign 0.329+/-0.034 χ^2/NDF: 260632.2/38

All: 0.027+/-0.023 χ^2/NDF: 476331.0/78

- sign -0.233+/-0.032 χ^2/NDF: 215552.0/39

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug



Right In: 1.206+/-0.060 χ^2/NDF: 2584.4/15

Left Out: 0.453+/-0.035 χ^2/NDF:6977.5/22

Right Out: 1.106+/-0.057 χ^2/NDF: 1587.2/18

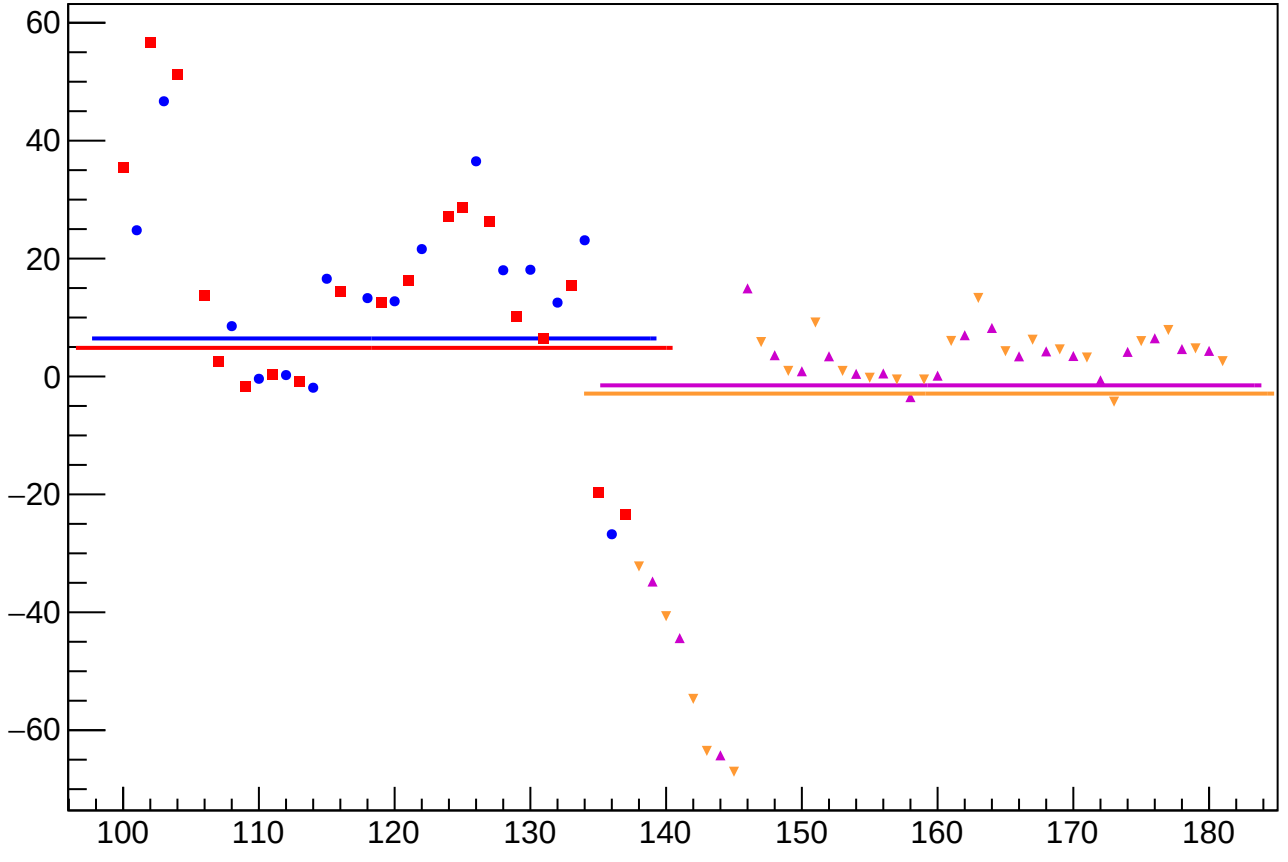
Left In: 0.502+/-0.033 χ^2/NDF:7002.6/20

+ sign 0.639+/-0.030 χ^2/NDF: 9679.0/38

All: 0.646+/-0.021 χ^2/NDF: 18352.6/78

- sign 0.652+/-0.029 χ^2/NDF: 8673.5/39

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs Slug



Right In: 6.453+/-0.065 χ^2/NDF: 70671.1/15

Left Out: -2.903+/-0.043 χ^2/NDF:168854.1/22

Right Out: 4.854+/-0.059 χ^2/NDF: 75267.0/18

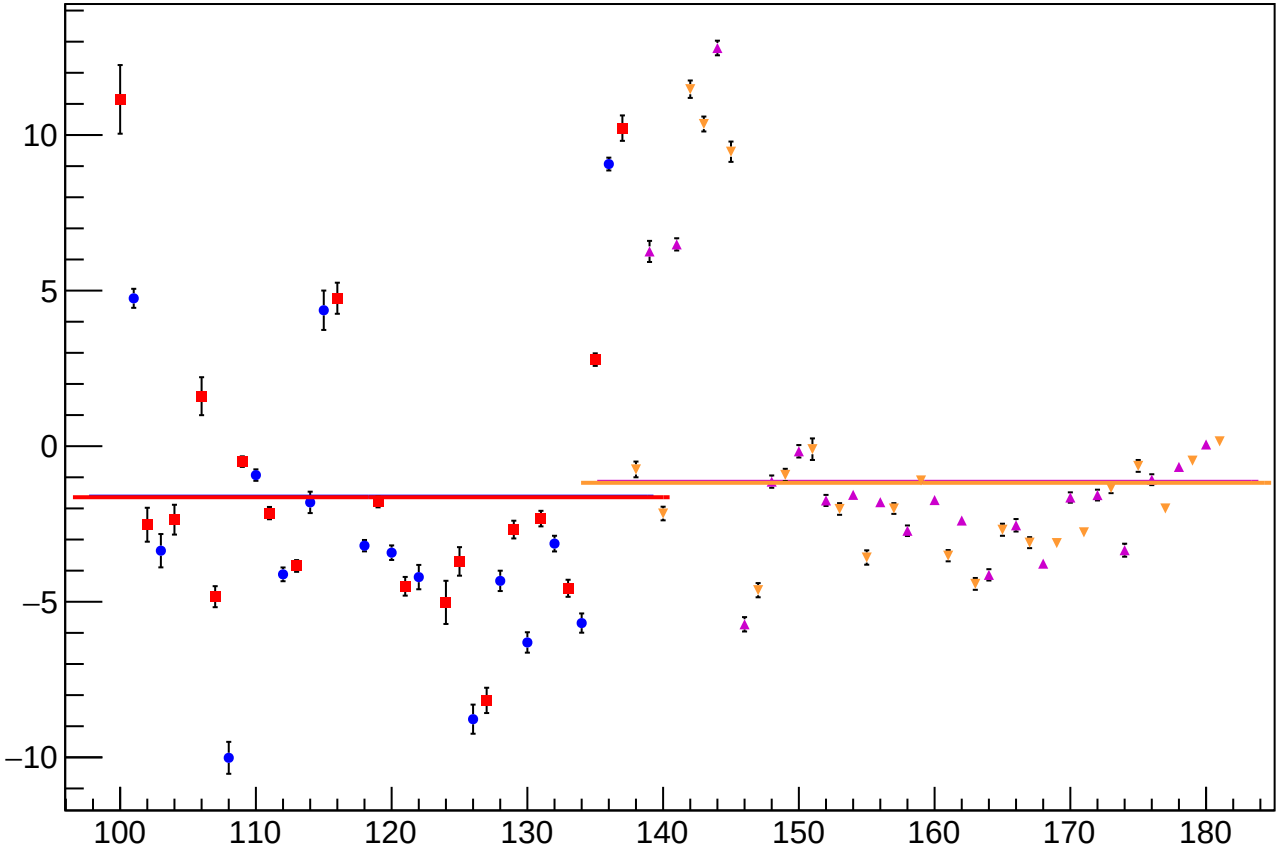
Left In: -1.505+/-0.042 χ^2/NDF:127537.0/20

+ sign -0.049+/-0.036 χ^2/NDF: 253830.7/38

All: 0.312+/-0.025 χ^2/NDF: 464480.6/78

- sign 0.642+/-0.034 χ^2/NDF: 210457.0/39

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug



Right In: -1.622+/-0.070 χ^2/NDF: 4525.3/15

Left Out: -1.177+/-0.038 χ^2/NDF:6926.6/22

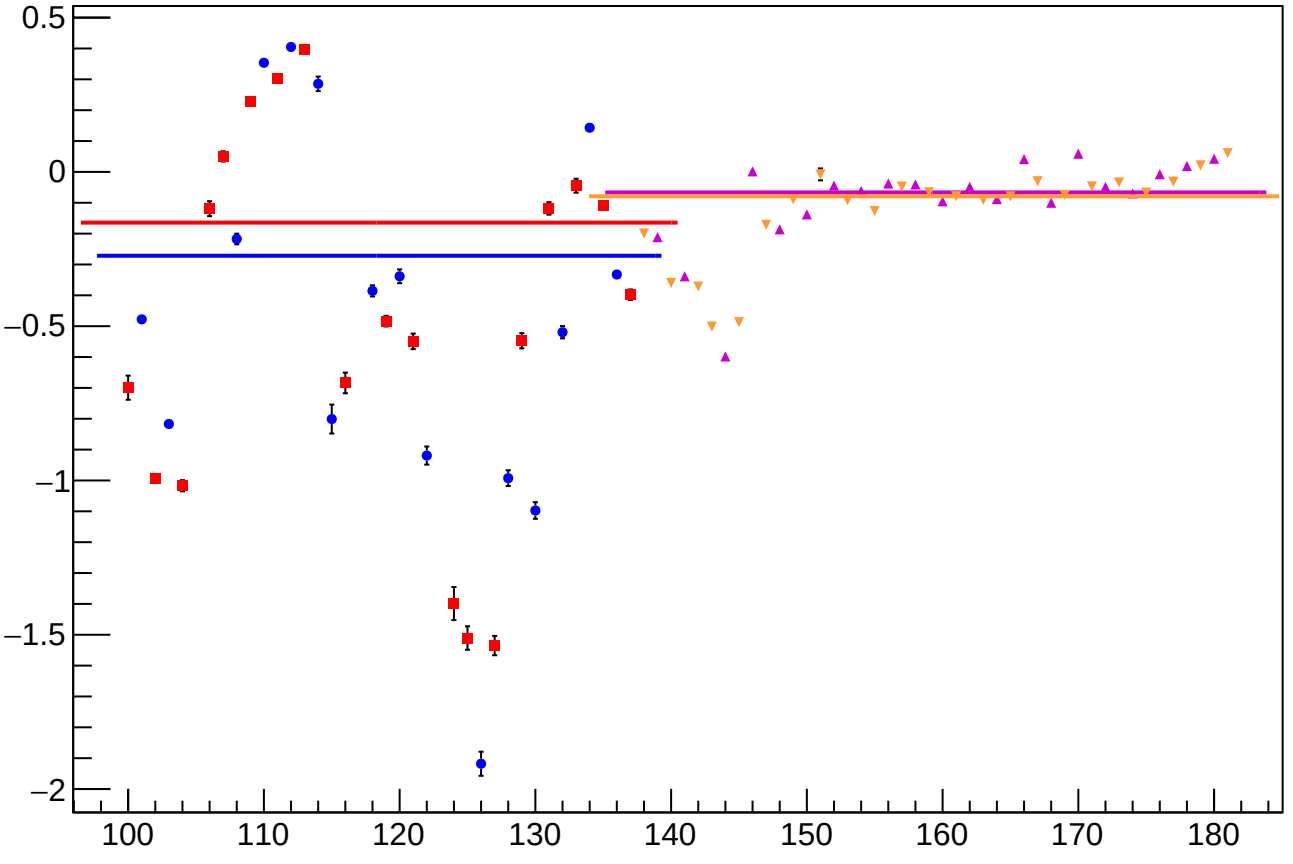
Right Out: -1.640+/-0.065 χ^2/NDF: 2462.1/18

Left In: -1.145+/-0.037 χ^2/NDF:6938.1/20

+ sign -1.281+/-0.034 χ^2/NDF: 11483.1/38

All: -1.273+/-0.023 χ^2/NDF: 20928.1/78

- sign -1.265+/-0.032 χ^2/NDF: 9444.8/39



Right In: -0.272+/-0.004 χ^2/NDF: 12048.2/15

Left Out: -0.079+/-0.002 χ^2/NDF:4786.0/22

Right Out: -0.164+/-0.004 χ^2/NDF: 15497.0/18

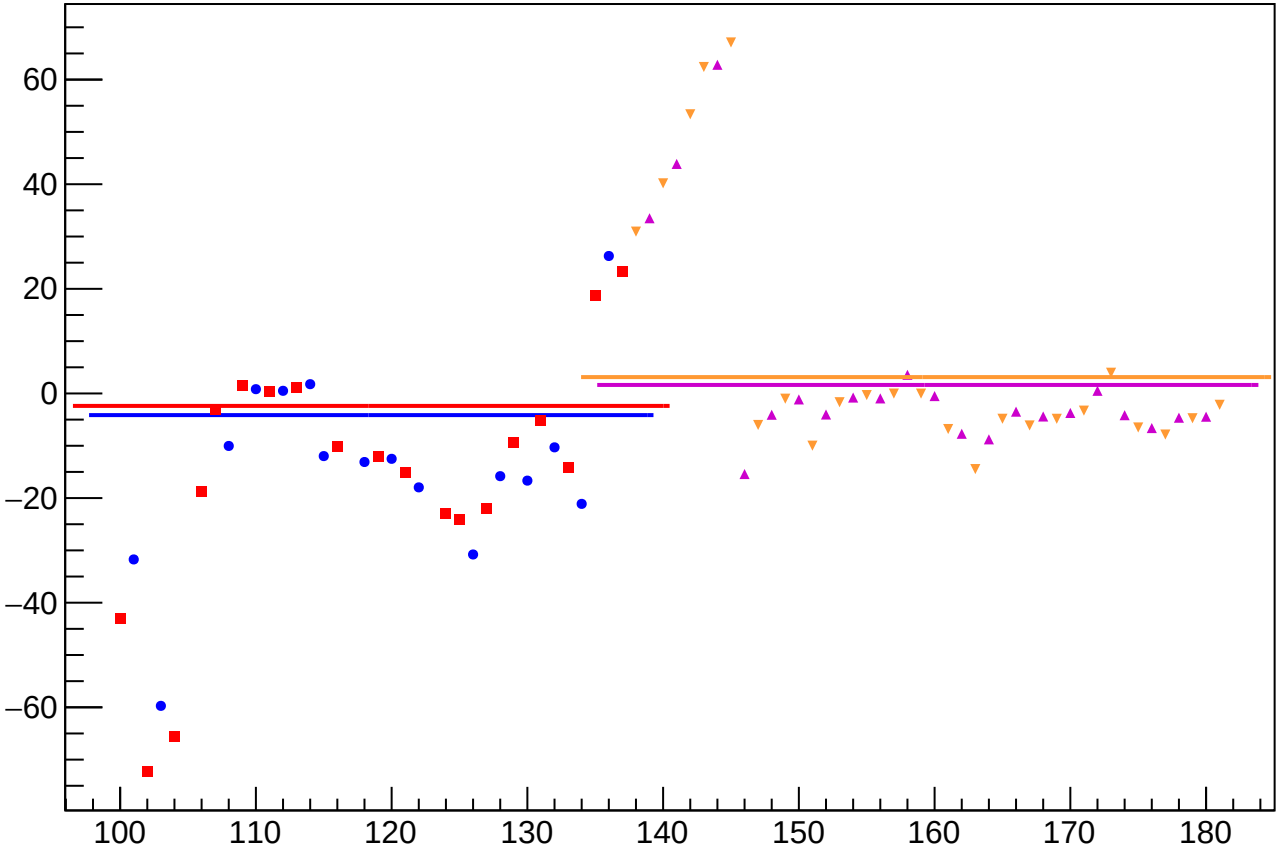
Left In: -0.066+/-0.002 χ^2/NDF:4328.5/20

+ sign -0.106+/-0.002 χ^2/NDF: 18680.6/38

All: -0.093+/-0.001 χ^2/NDF: 39218.1/78

- sign -0.081+/-0.001 χ^2/NDF: 20393.0/39

reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug



Right In: -4.139+/-0.054 χ^2/NDF: 75240.1/15

Left Out: 3.127+/-0.043 χ^2/NDF:174202.2/22

Right Out: -2.380+/-0.046 χ^2/NDF: 80668.5/18

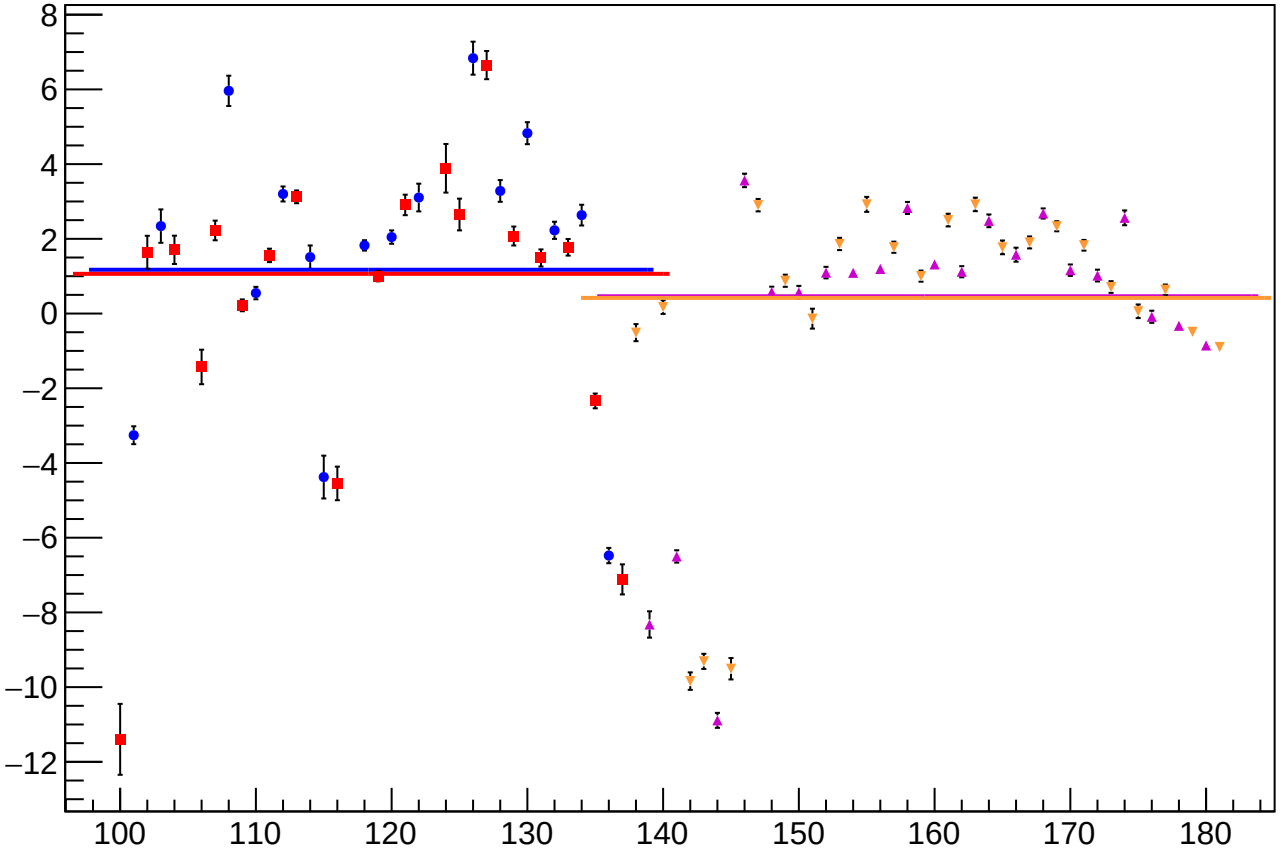
Left In: 1.627+/-0.043 χ^2/NDF:130616.8/20

+ sign 0.306+/-0.034 χ^2/NDF: 260378.4/38

All: 0.006+/-0.023 χ^2/NDF: 475868.1/78

- sign -0.252+/-0.031 χ^2/NDF: 215343.4/39

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug



Right In: 1.172+/-0.060 χ^2/NDF: 2584.5/15

Left Out: 0.419+/-0.034 χ^2/NDF:6979.2/22

Right Out: 1.063+/-0.057 χ^2/NDF: 1596.5/18

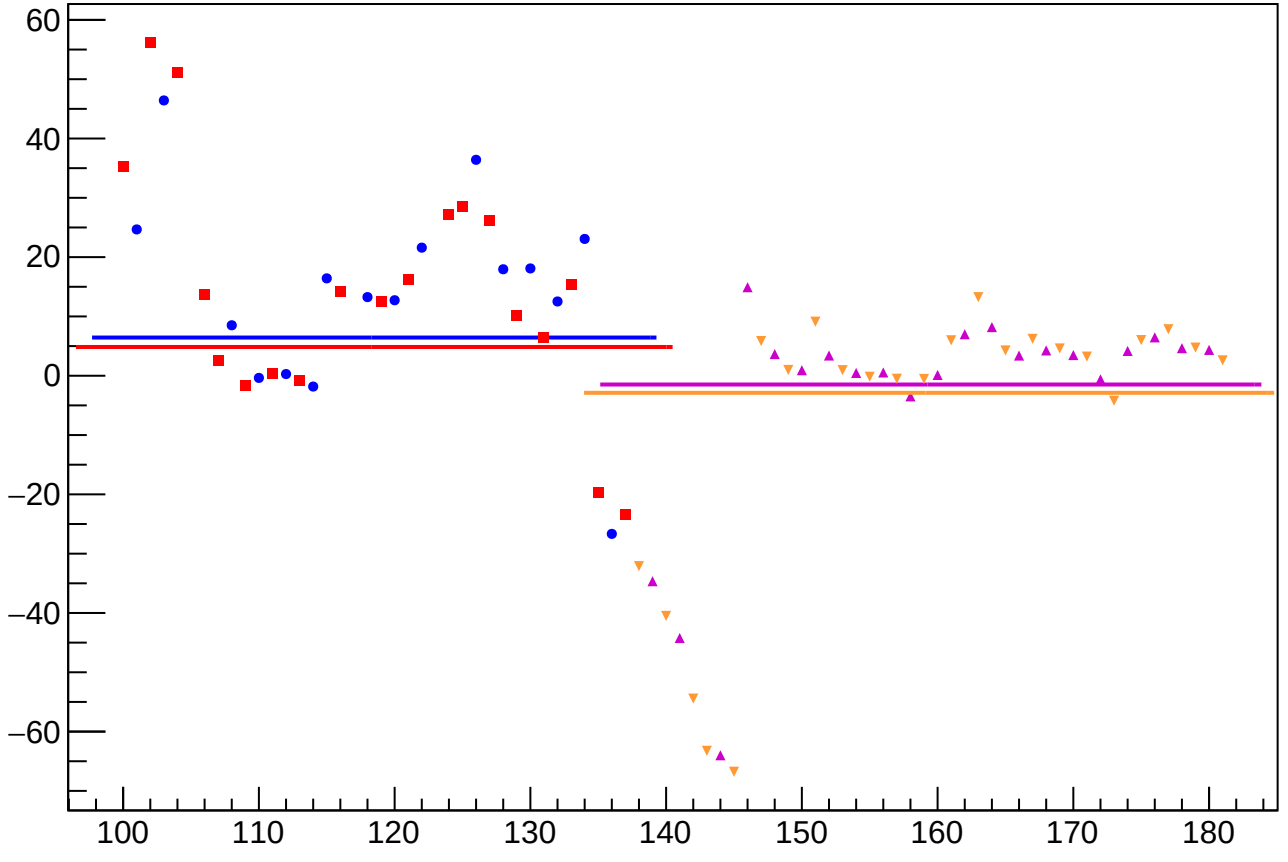
Left In: 0.463+/-0.033 χ^2/NDF:7015.5/20

+ sign 0.605+/-0.030 χ^2/NDF: 9681.9/38

All: 0.609+/-0.021 χ^2/NDF: 18377.3/78

- sign 0.612+/-0.028 χ^2/NDF: 8695.4/39

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug



Right In: 6.442+/-0.065 χ^2/NDF: 70630.3/15

Left Out: -2.878+/-0.043 χ^2/NDF:168613.1/22

Right Out: 4.848+/-0.059 χ^2/NDF: 75159.9/18

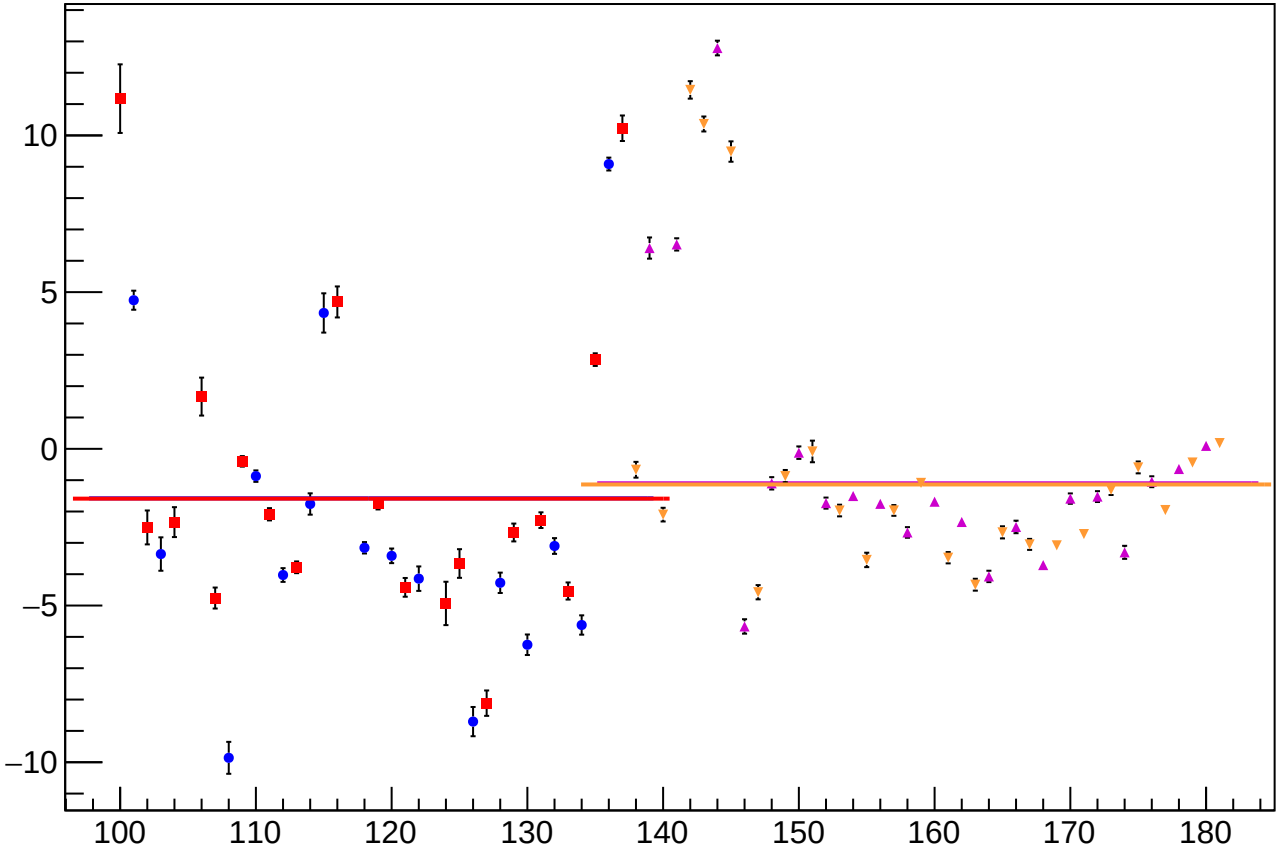
Left In: -1.481+/-0.042 χ^2/NDF:127422.3/20

+ sign -0.027+/-0.036 χ^2/NDF: 253578.1/38

All: 0.335+/-0.025 χ^2/NDF: 464008.0/78

- sign 0.664+/-0.034 χ^2/NDF: 210235.6/39

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug



Right In: -1.580+/-0.069 χ^2/NDF: 4524.3/15

Left Out: -1.137+/-0.038 χ^2/NDF:6922.6/22

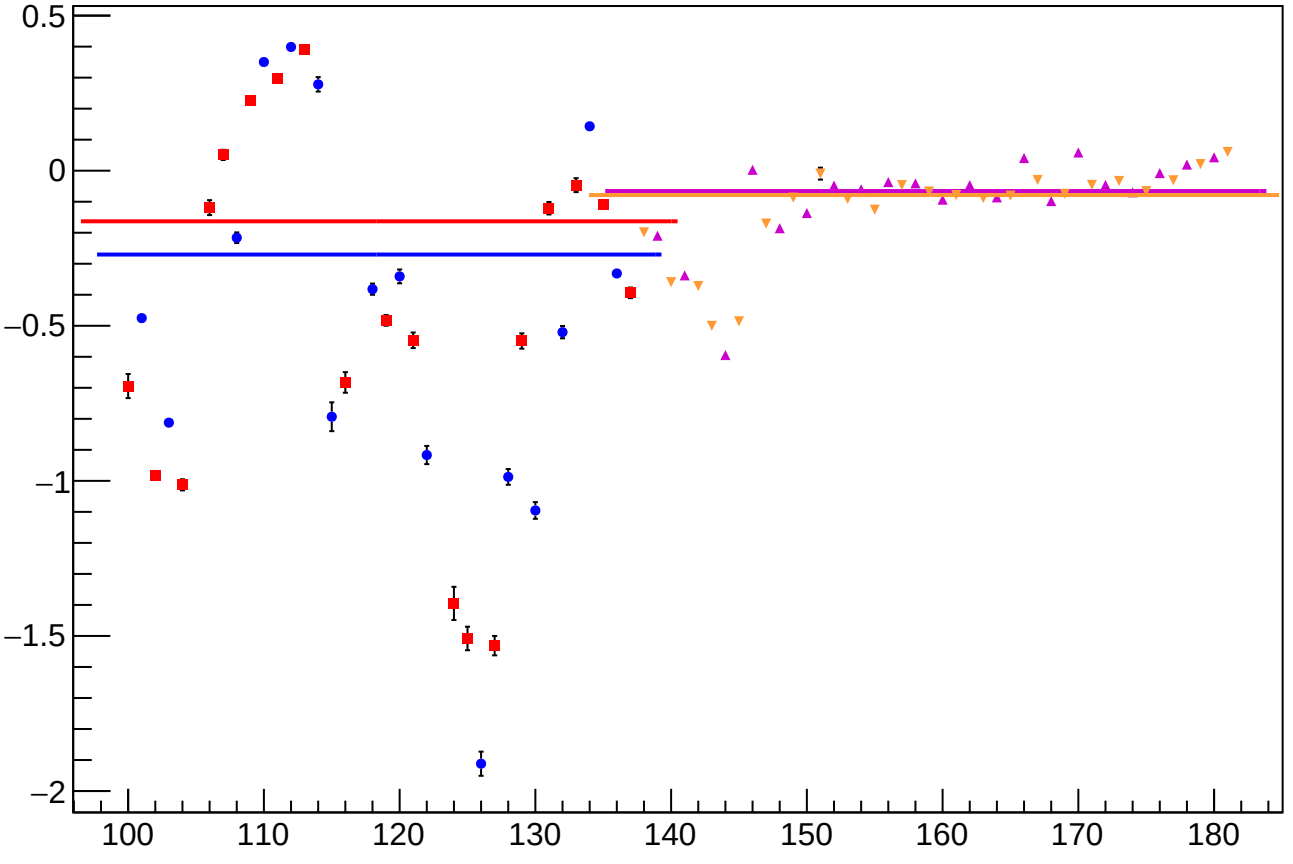
Right Out: -1.589+/-0.064 χ^2/NDF: 2472.2/18

Left In: -1.099+/-0.037 χ^2/NDF:6950.8/20

+ sign -1.241+/-0.034 χ^2/NDF: 11478.2/38

All: -1.229+/-0.023 χ^2/NDF: 20945.5/78

- sign -1.218+/-0.032 χ^2/NDF: 9467.0/39



Right In: -0.270+/-0.004 χ^2/NDF: 12036.3/15

Left Out: -0.079+/-0.002 χ^2/NDF:4801.5/22

Right Out: -0.163+/-0.004 χ^2/NDF: 15510.0/18

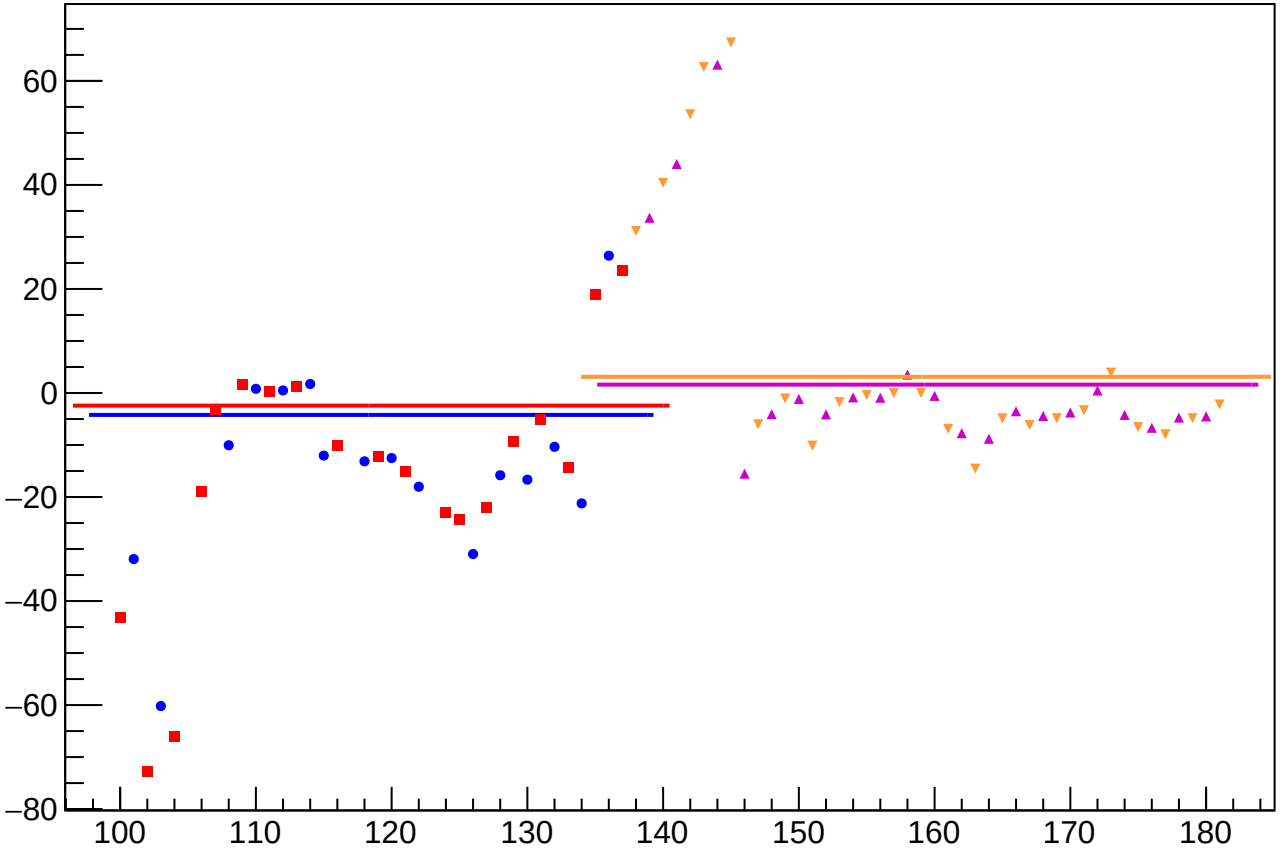
Left In: -0.066+/-0.002 χ^2/NDF:4309.3/20

+ sign -0.106+/-0.002 χ^2/NDF: 18684.6/38

All: -0.092+/-0.001 χ^2/NDF: 39222.4/78

- sign -0.080+/-0.001 χ^2/NDF: 20388.7/39

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug



Right In: -4.214+/-0.055 χ^2/NDF: 75215.4/15

Left Out: 3.110+/-0.043 χ^2/NDF:174638.7/22

Right Out: -2.427+/-0.046 χ^2/NDF: 80724.5/18

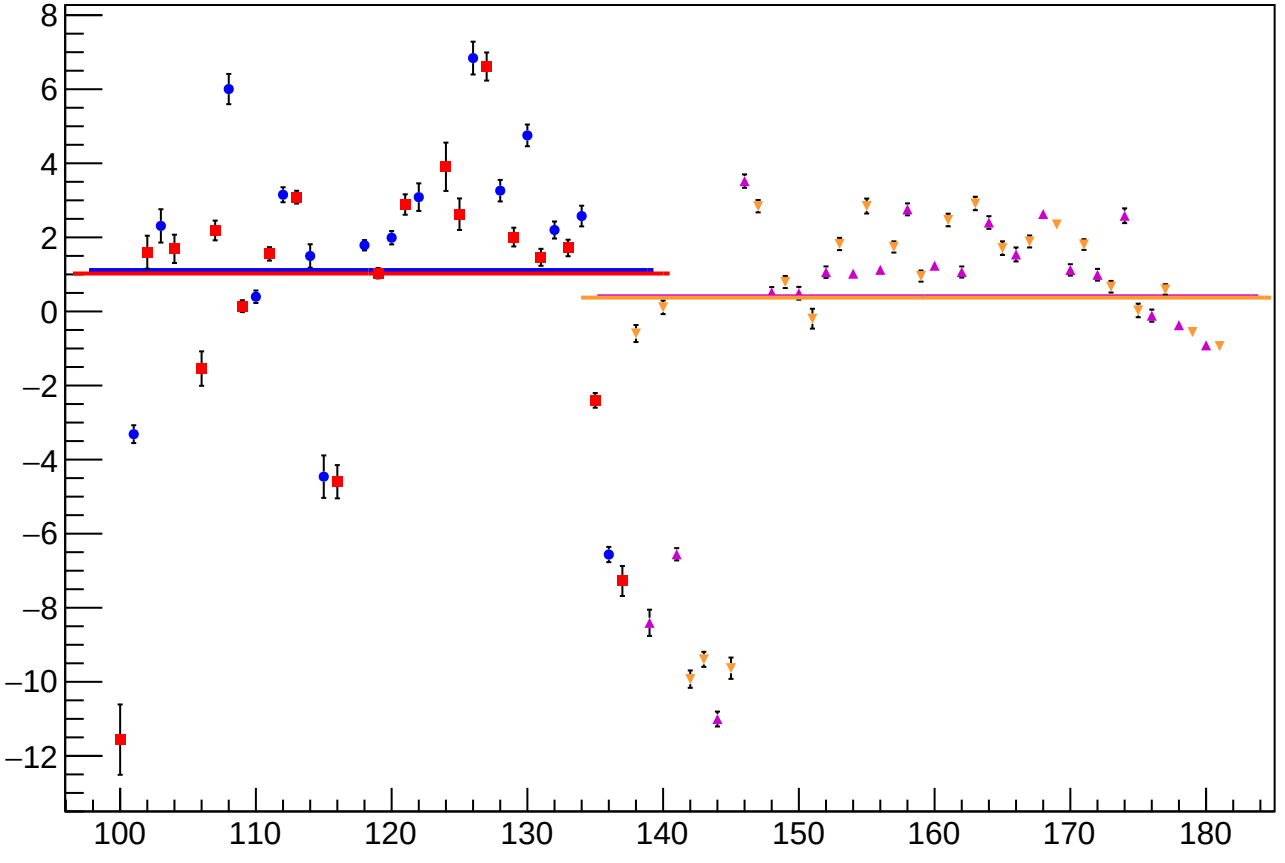
Left In: 1.606+/-0.043 χ^2/NDF:130791.9/20

+ sign 0.275+/-0.034 χ^2/NDF: 260841.4/38

All: -0.022+/-0.023 χ^2/NDF: 476565.0/78

- sign -0.278+/-0.032 χ^2/NDF: 215581.6/39

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug



Right In: 1.118+/-0.060 χ^2/NDF: 2591.7/15

Left Out: 0.373+/-0.035 χ^2/NDF:7000.4/22

Right Out: 1.025+/-0.057 χ^2/NDF: 1612.0/18

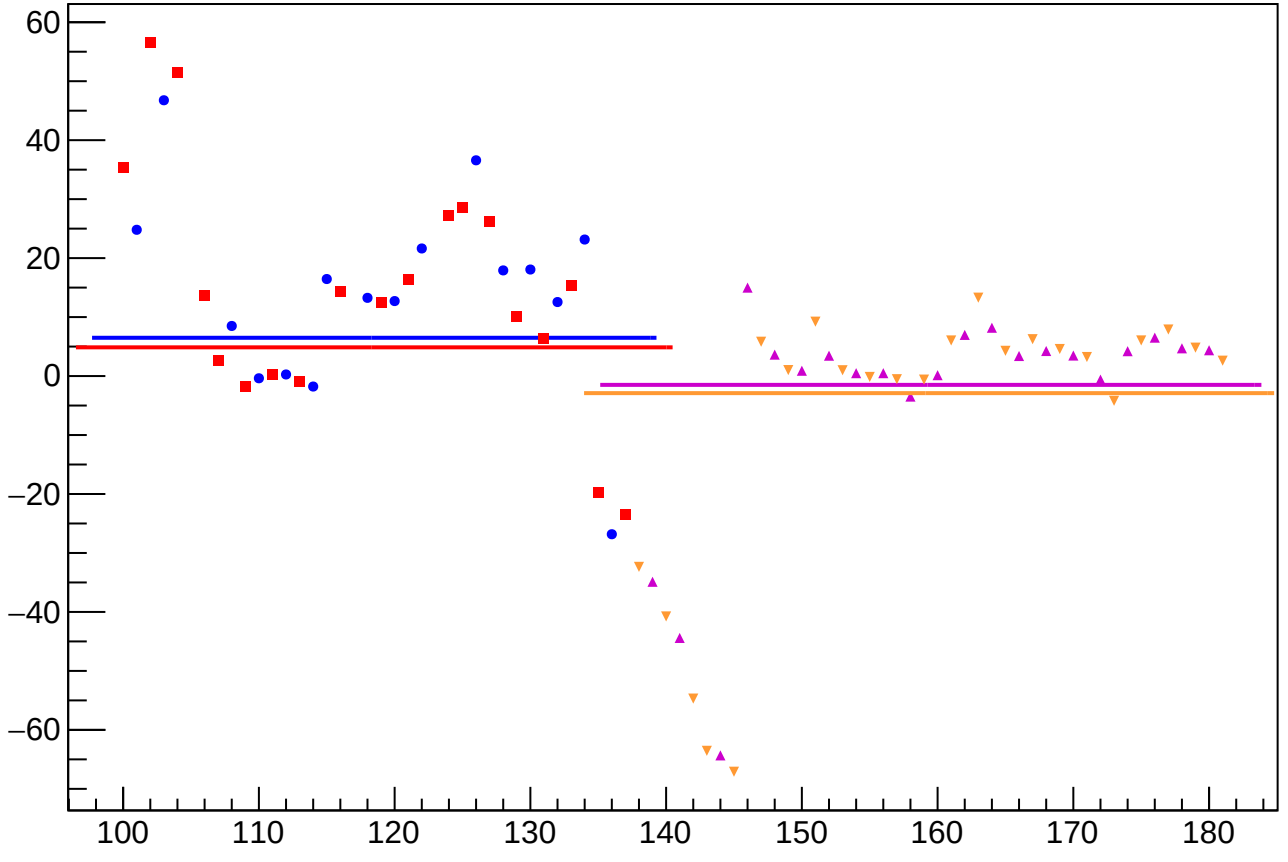
Left In: 0.408+/-0.033 χ^2/NDF:6998.8/20

+ sign 0.558+/-0.030 χ^2/NDF: 9706.4/38

All: 0.560+/-0.021 χ^2/NDF: 18404.4/78

- sign 0.561+/-0.029 χ^2/NDF: 8698.0/39

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug



Right In: 6.492+/-0.065 χ^2/NDF: 70623.9/15

Left Out: -2.897+/-0.043 χ^2/NDF:169040.3/22

Right Out: 4.869+/-0.059 χ^2/NDF: 75265.6/18

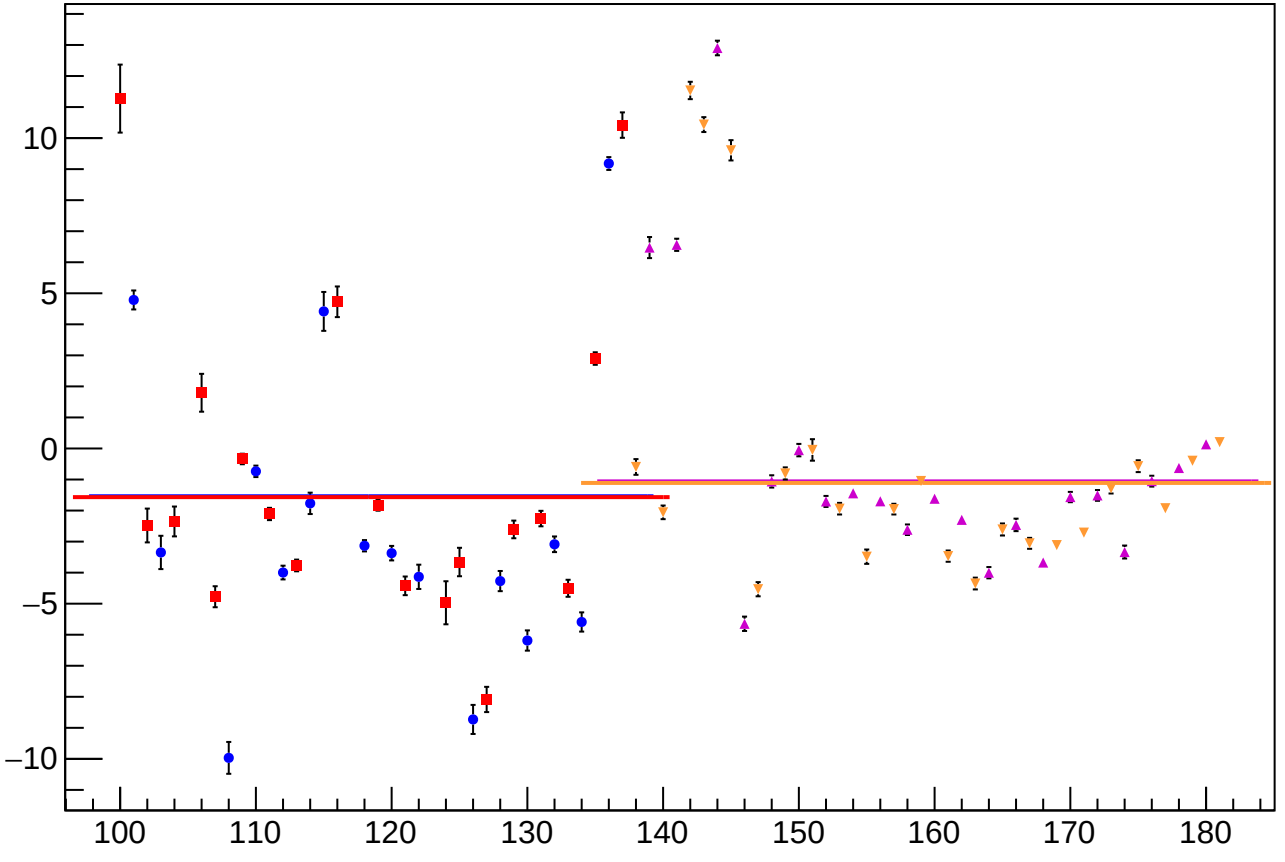
Left In: -1.495+/-0.042 χ^2/NDF:127606.3/20

+ sign -0.030+/-0.036 χ^2/NDF: 254058.2/38

All: 0.328+/-0.025 χ^2/NDF: 464773.3/78

- sign 0.654+/-0.034 χ^2/NDF: 210526.4/39

reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug



Right In: -1.540+/-0.070 χ^2/NDF: 4535.9/15

Left Out: -1.110+/-0.038 χ^2/NDF:6945.3/22

Right Out: -1.567+/-0.065 χ^2/NDF: 2497.0/18

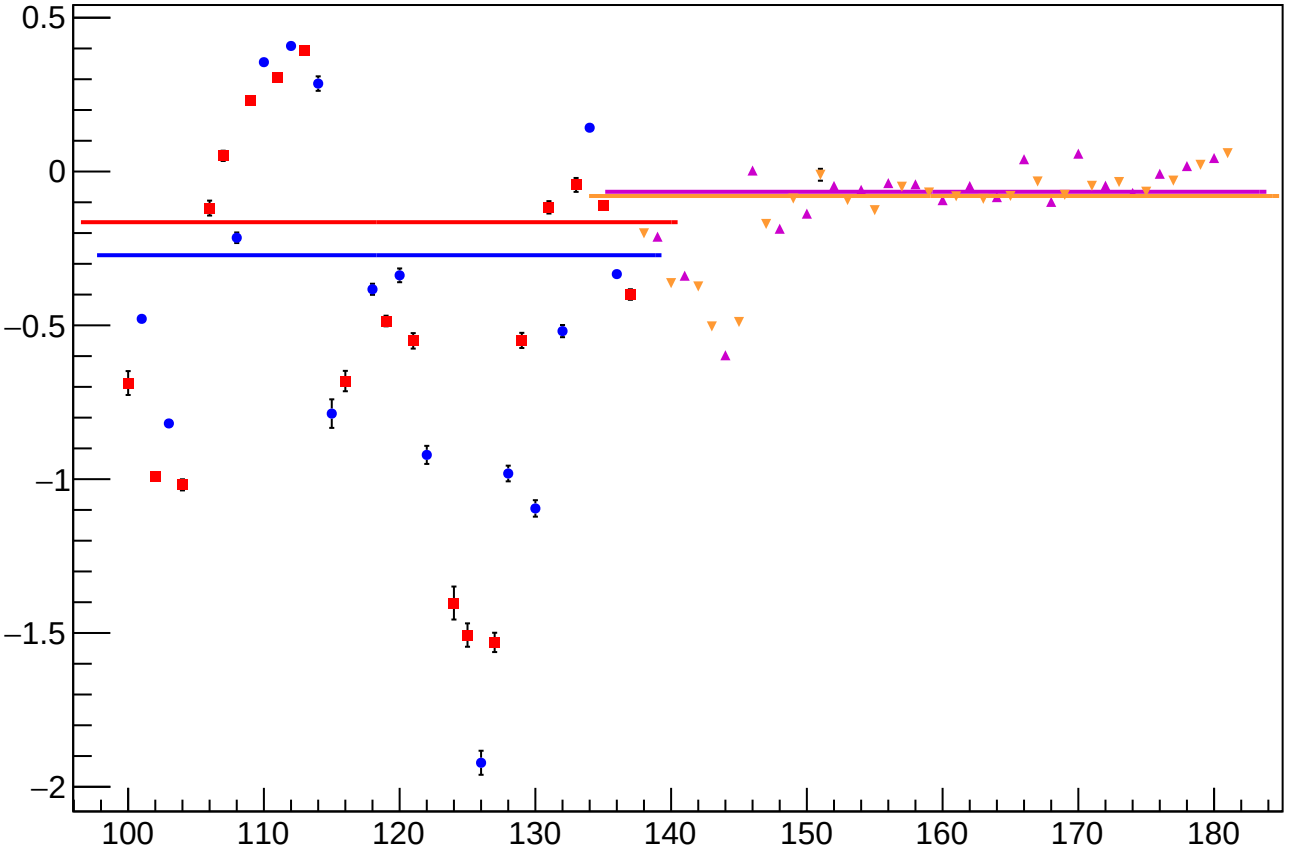
Left In: -1.060+/-0.037 χ^2/NDF:6939.5/20

+ sign -1.210+/-0.034 χ^2/NDF: 11510.5/38

All: -1.196+/-0.023 χ^2/NDF: 20993.9/78

- sign -1.184+/-0.032 χ^2/NDF: 9483.0/39

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug



Right In: -0.272+/-0.004 χ^2/NDF: 12063.6/15

Left Out: -0.080+/-0.002 χ^2/NDF:4811.1/22

Right Out: -0.165+/-0.004 χ^2/NDF: 15490.5/18

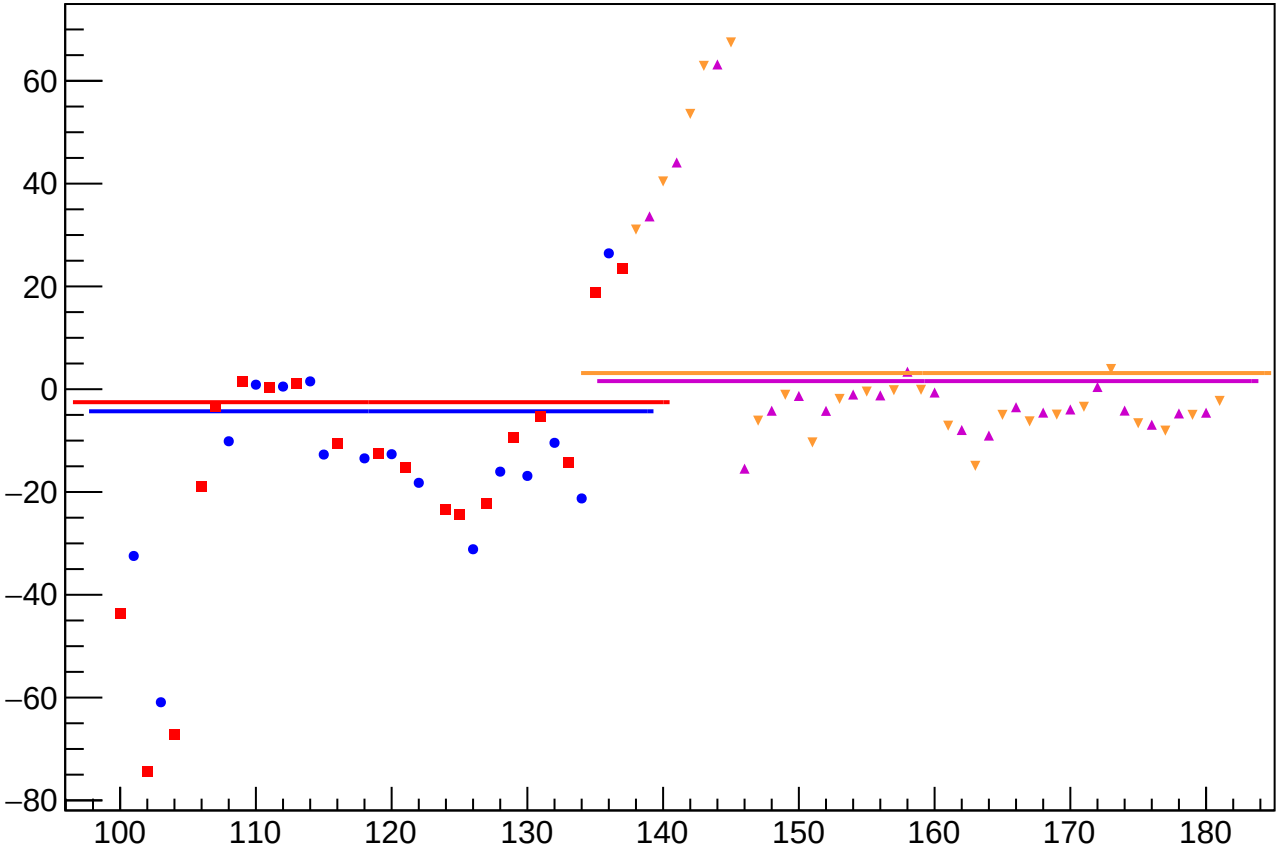
Left In: -0.066+/-0.002 χ^2/NDF:4301.0/20

+ sign -0.107+/-0.002 χ^2/NDF: 18715.2/38

All: -0.093+/-0.001 χ^2/NDF: 39240.0/78

- sign -0.080+/-0.001 χ^2/NDF: 20369.4/39

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug



Right In: -4.296+/-0.056 χ^2/NDF: 74218.3/15

Left Out: 3.144+/-0.044 χ^2/NDF:172167.0/22

Right Out: -2.524+/-0.047 χ^2/NDF: 79883.8/18

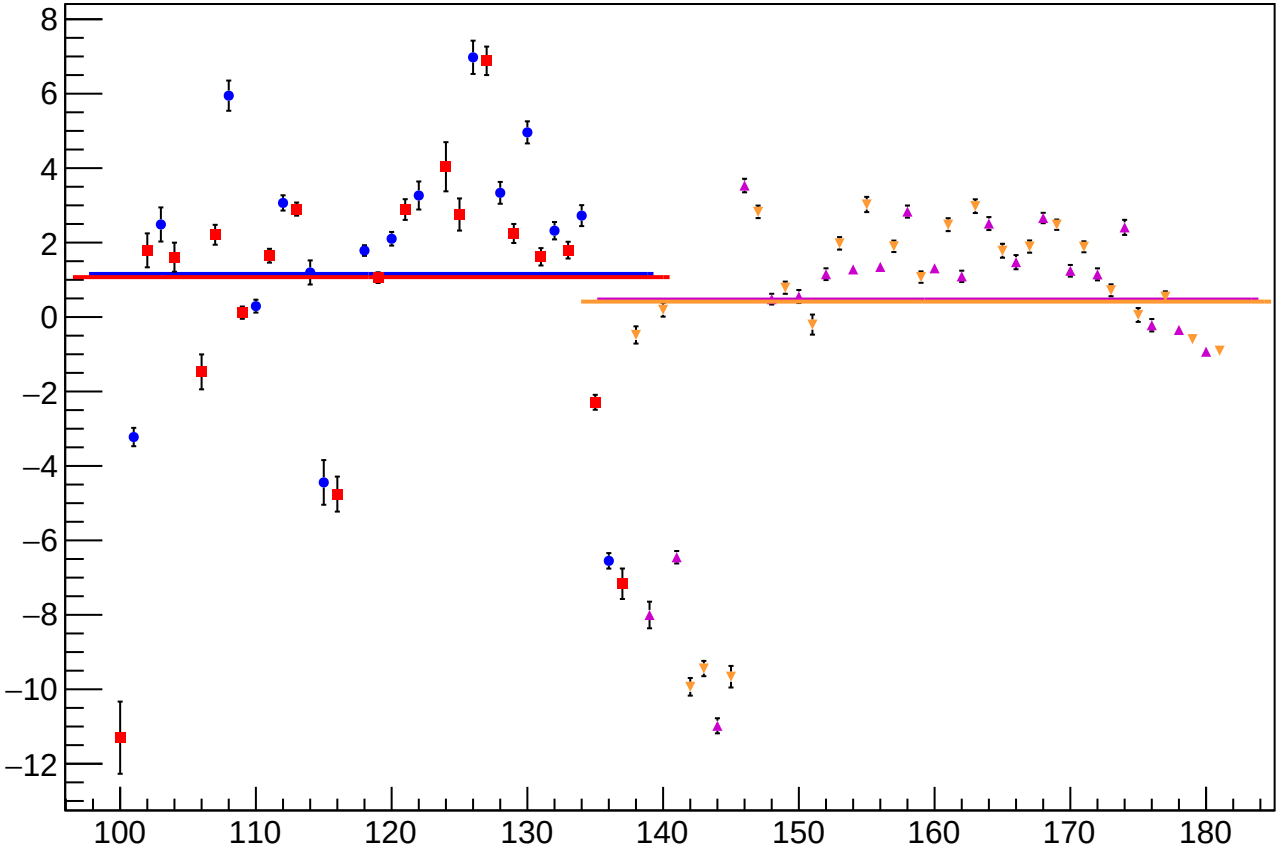
Left In: 1.577+/-0.044 χ^2/NDF:128705.1/20

+ sign 0.265+/-0.035 χ^2/NDF: 257308.7/38

All: -0.055+/-0.024 χ^2/NDF: 470089.0/78

- sign -0.332+/-0.032 χ^2/NDF: 212621.2/39

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug



Right In: 1.158+/-0.062 χ^2/NDF: 2549.9/15

Left Out: 0.415+/-0.035 χ^2/NDF:6984.4/22

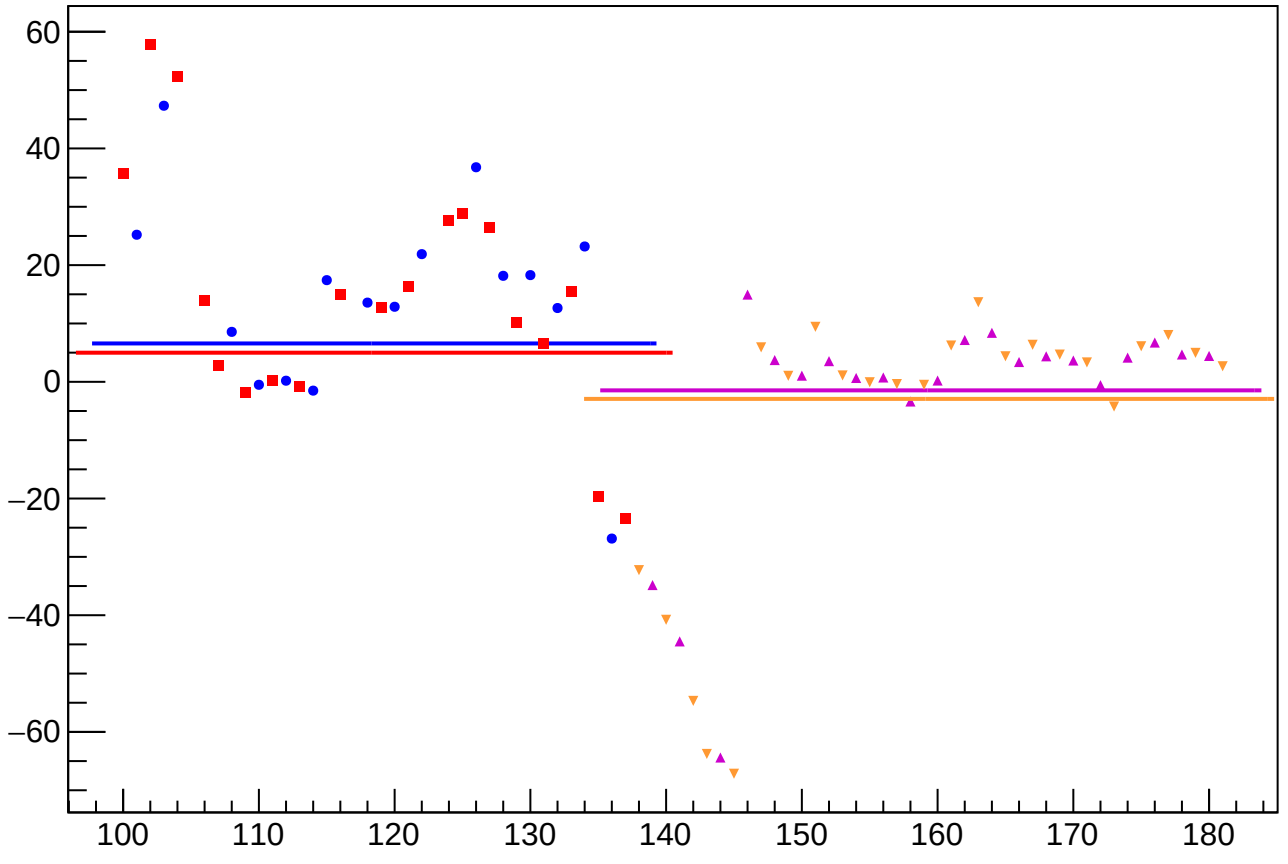
Right Out: 1.072+/-0.058 χ^2/NDF: 1551.4/18

Left In: 0.470+/-0.034 χ^2/NDF:6837.0/20

+ sign 0.598+/-0.031 χ^2/NDF: 9644.2/38

All: 0.609+/-0.021 χ^2/NDF: 18113.1/78

- sign 0.619+/-0.029 χ^2/NDF: 8468.6/39



Right In: 6.578+/-0.066 χ^2/NDF: 69731.5/15

Left Out: -2.926+/-0.044 χ^2/NDF:166635.6/22

Right Out: 4.992+/-0.060 χ^2/NDF: 74461.3/18

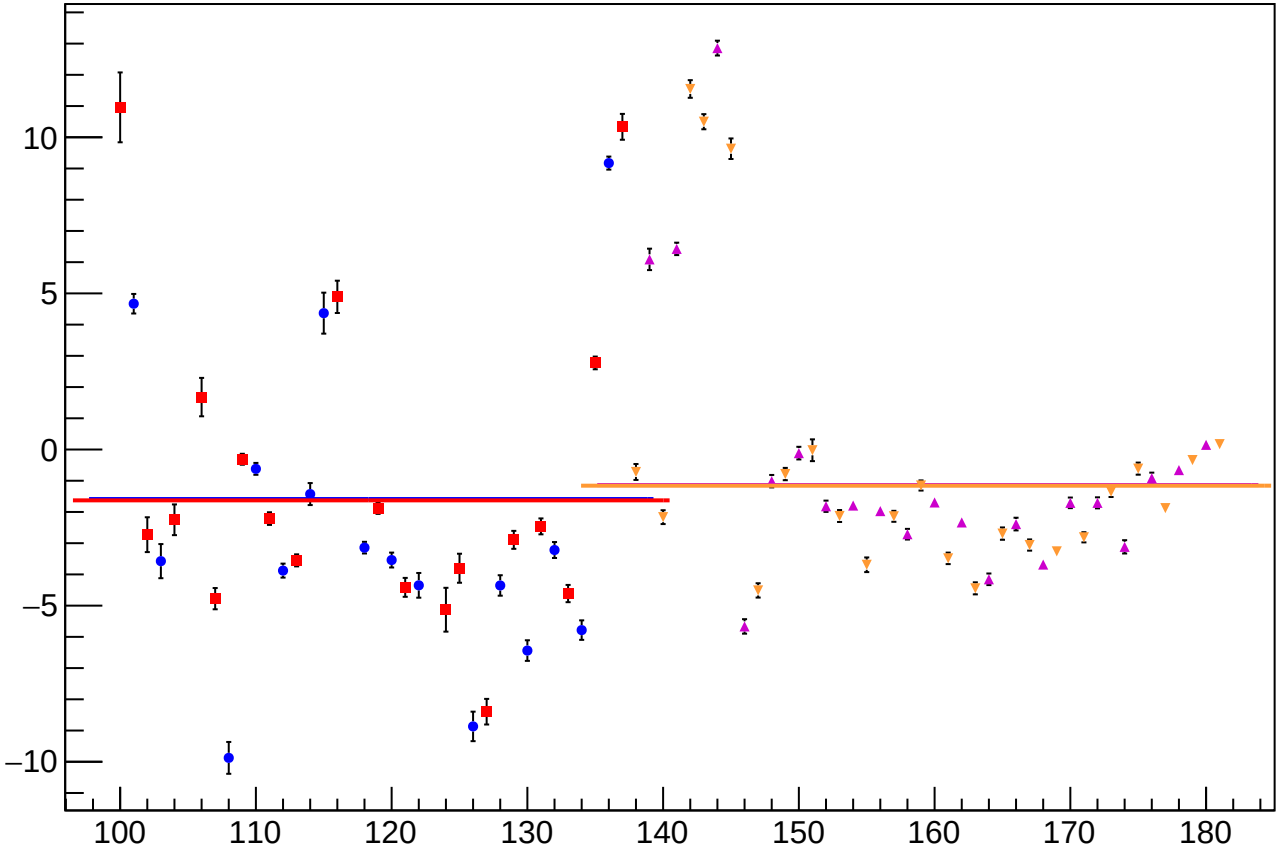
Left In: -1.463+/-0.043 χ^2/NDF:125546.0/20

\+ sign -0.023+/-0.037 χ^2/NDF: 250596.9/38

All: 0.362+/-0.025 χ^2/NDF: 458379.0/78

\- sign 0.714+/-0.035 χ^2/NDF: 207571.6/39

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug



Right In: -1.586+/-0.071 χ^2/NDF: 4472.6/15

Left Out: -1.158+/-0.039 χ^2/NDF:6922.6/22

Right Out: -1.628+/-0.066 χ^2/NDF: 2422.3/18

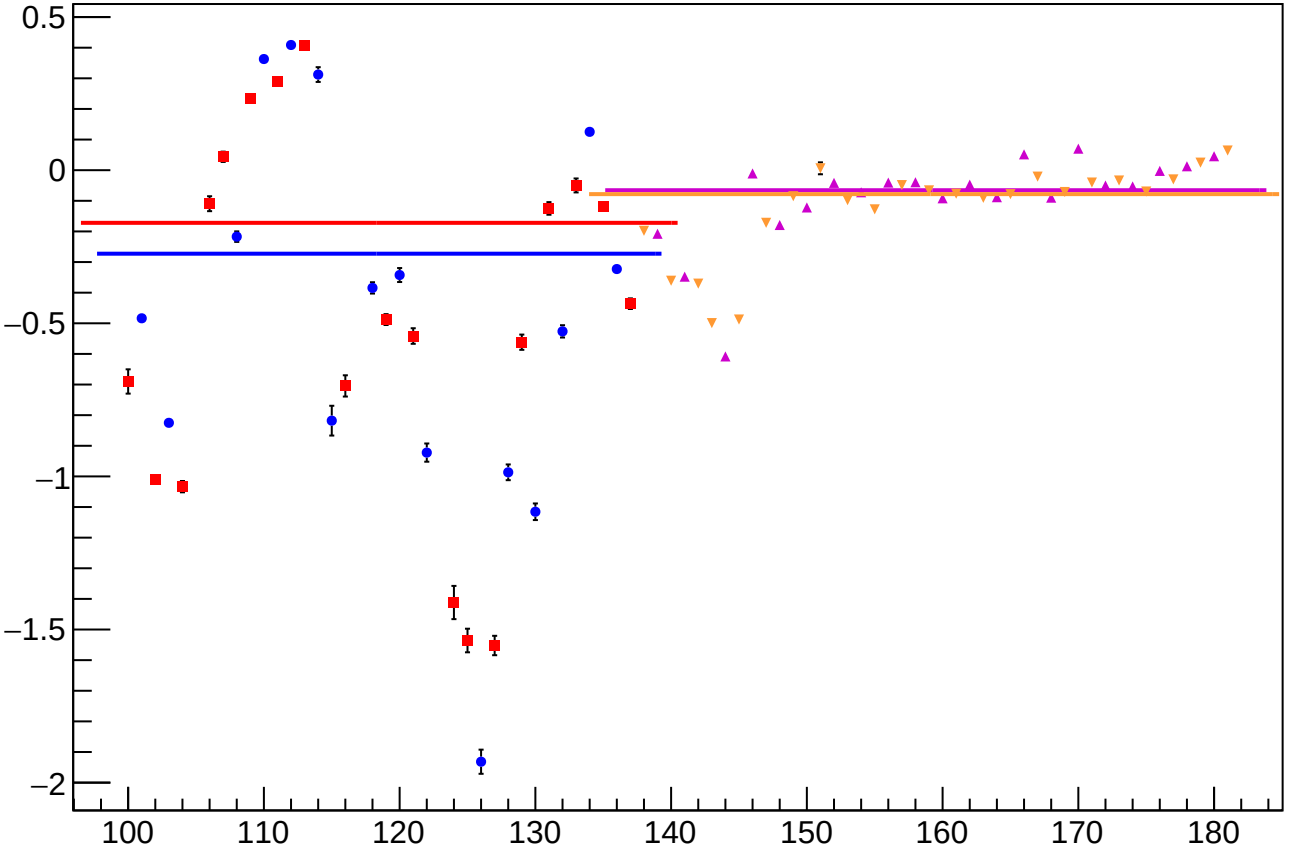
Left In: -1.139+/-0.037 χ^2/NDF:6755.7/20

+ sign -1.258+/-0.034 χ^2/NDF: 11423.2/38

All: -1.258+/-0.024 χ^2/NDF: 20642.9/78

- sign -1.258+/-0.033 χ^2/NDF: 9219.8/39

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs Slug



Right In: -0.273+/-0.004 χ^2/NDF: 11856.3/15

Left Out: -0.078+/-0.002 χ^2/NDF:4738.5/22

Right Out: -0.172+/-0.004 χ^2/NDF: 15322.3/18

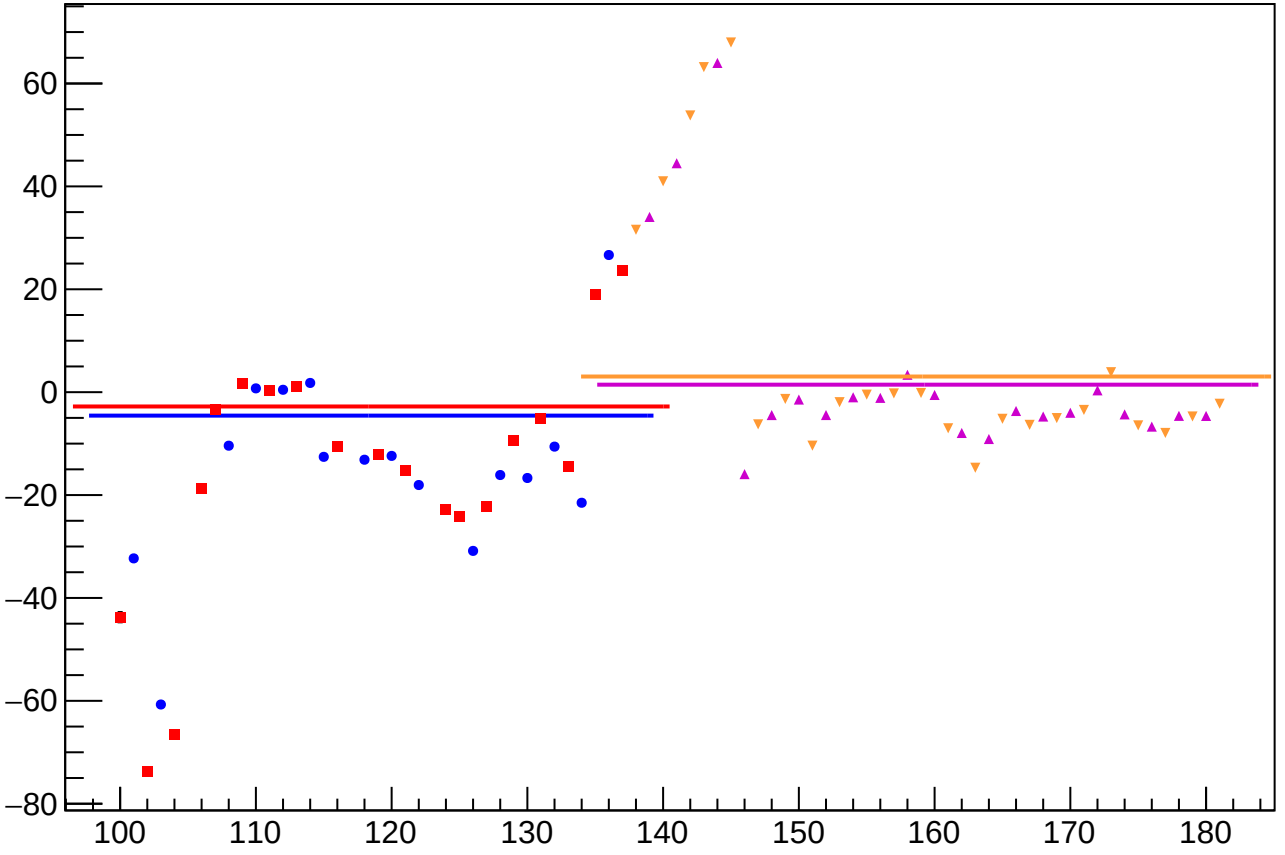
Left In: -0.065+/-0.002 χ^2/NDF:4344.4/20

+ sign -0.106+/-0.002 χ^2/NDF: 18415.6/38

All: -0.093+/-0.001 χ^2/NDF: 38859.5/78

- sign -0.081+/-0.001 χ^2/NDF: 20313.9/39

reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug



Right In: -4.557+/-0.057 χ^2/NDF: 72635.2/15

Left Out: 3.042+/-0.045 χ^2/NDF:169328.5/22

Right Out: -2.780+/-0.049 χ^2/NDF: 77905.3/18

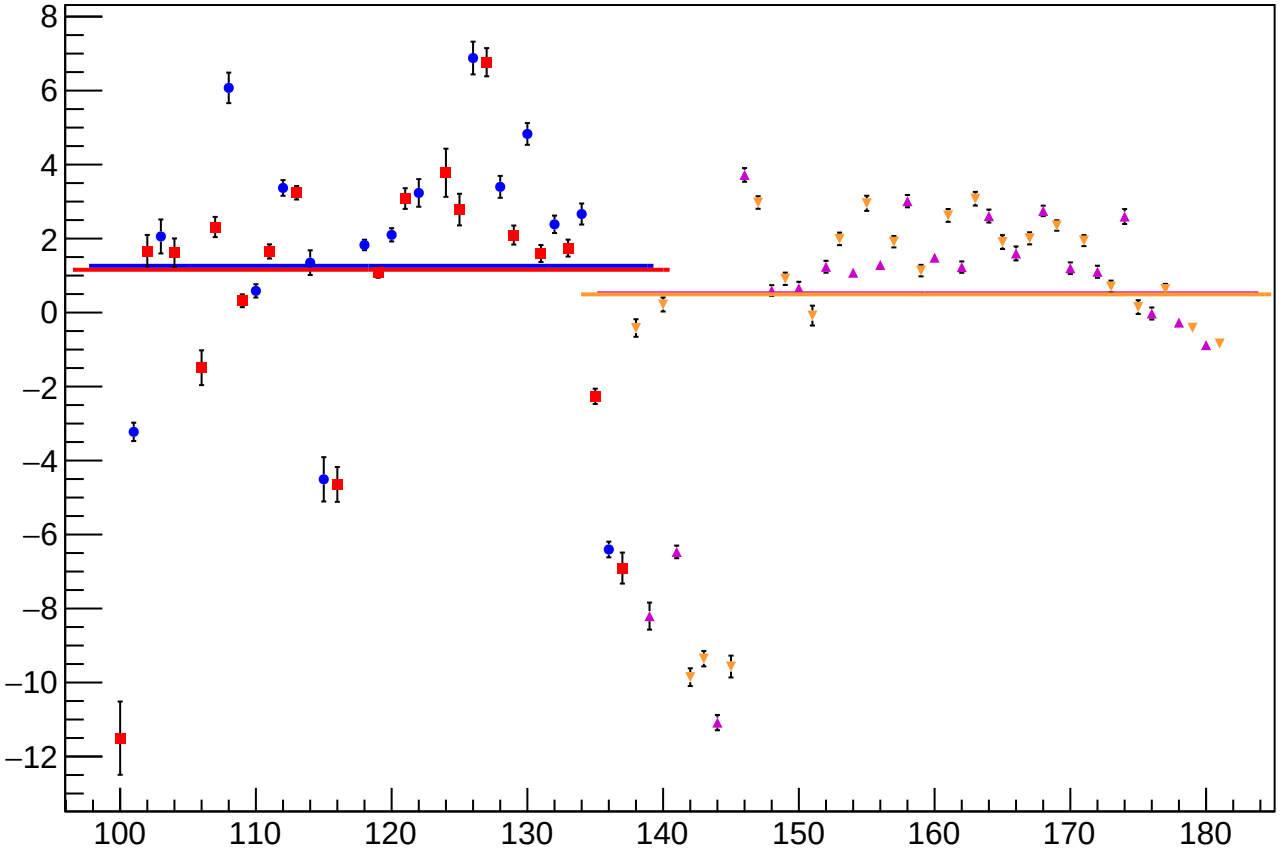
Left In: 1.456+/-0.044 χ^2/NDF:127241.2/20

+ sign 0.140+/-0.035 χ^2/NDF: 253028.6/38

All: -0.189+/-0.024 χ^2/NDF: 462488.7/78

- sign -0.476+/-0.033 χ^2/NDF: 209295.5/39

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug



Right In: 1.263+/-0.062 χ^2/NDF: 2443.8/15

Left Out: 0.492+/-0.035 χ^2/NDF:6753.7/22

Right Out: 1.157+/-0.059 χ^2/NDF: 1490.5/18

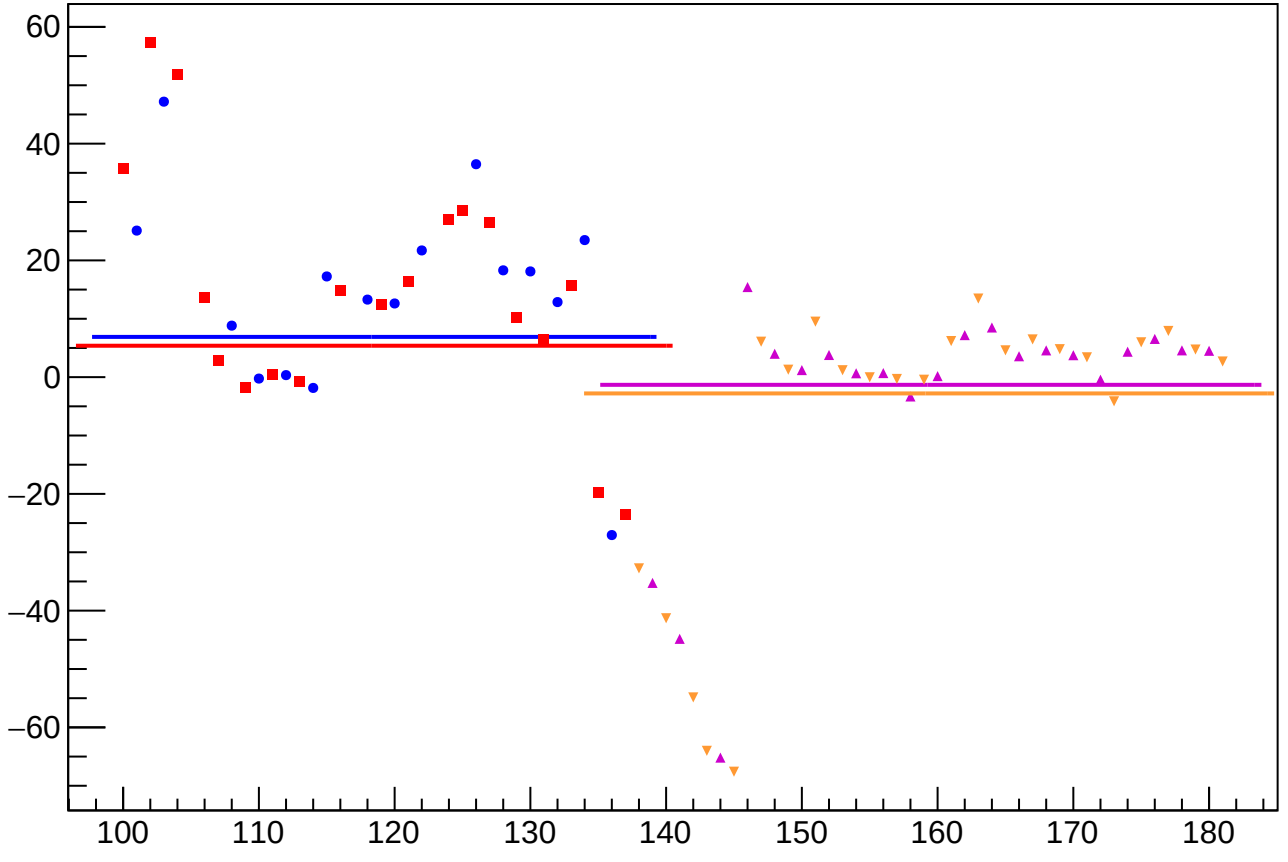
Left In: 0.520+/-0.034 χ^2/NDF:6791.3/20

+ sign 0.682+/-0.031 χ^2/NDF: 9313.9/38

All: 0.680+/-0.021 χ^2/NDF: 17683.0/78

- sign 0.678+/-0.029 χ^2/NDF: 8369.2/39

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug



Right In: 6.895+/-0.067 χ^2/NDF: 68047.4/15

Left Out: -2.789+/-0.044 χ^2/NDF:163773.7/22

Right Out: 5.381+/-0.062 χ^2/NDF: 72230.2/18

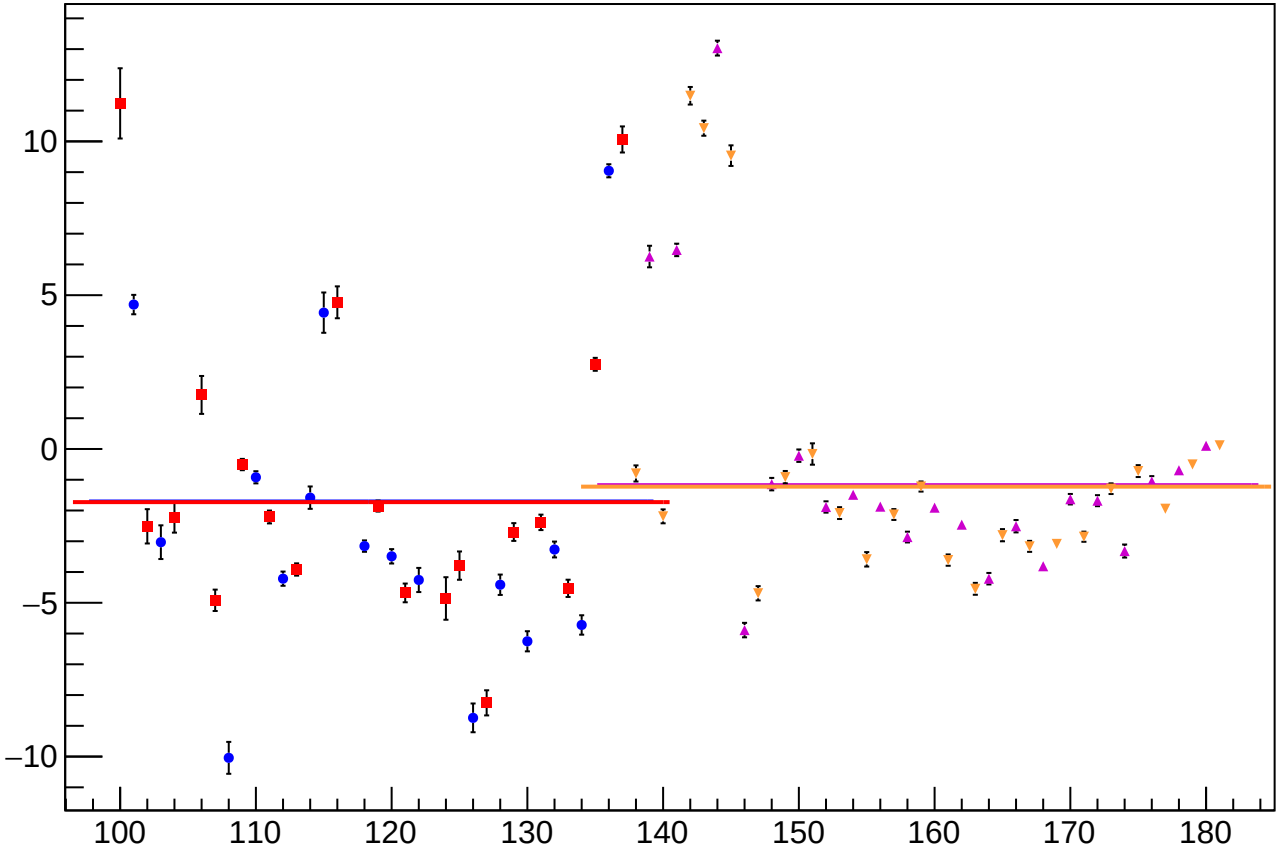
Left In: -1.317+/-0.043 χ^2/NDF:124055.7/20

+ sign 0.142+/-0.037 χ^2/NDF: 246232.0/38

All: 0.540+/-0.026 χ^2/NDF: 450617.3/78

- sign 0.905+/-0.036 χ^2/NDF: 204164.5/39

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug



Right In: -1.708+/-0.072 χ^2/NDF: 4289.8/15

Left Out: -1.224+/-0.039 χ^2/NDF:6709.3/22

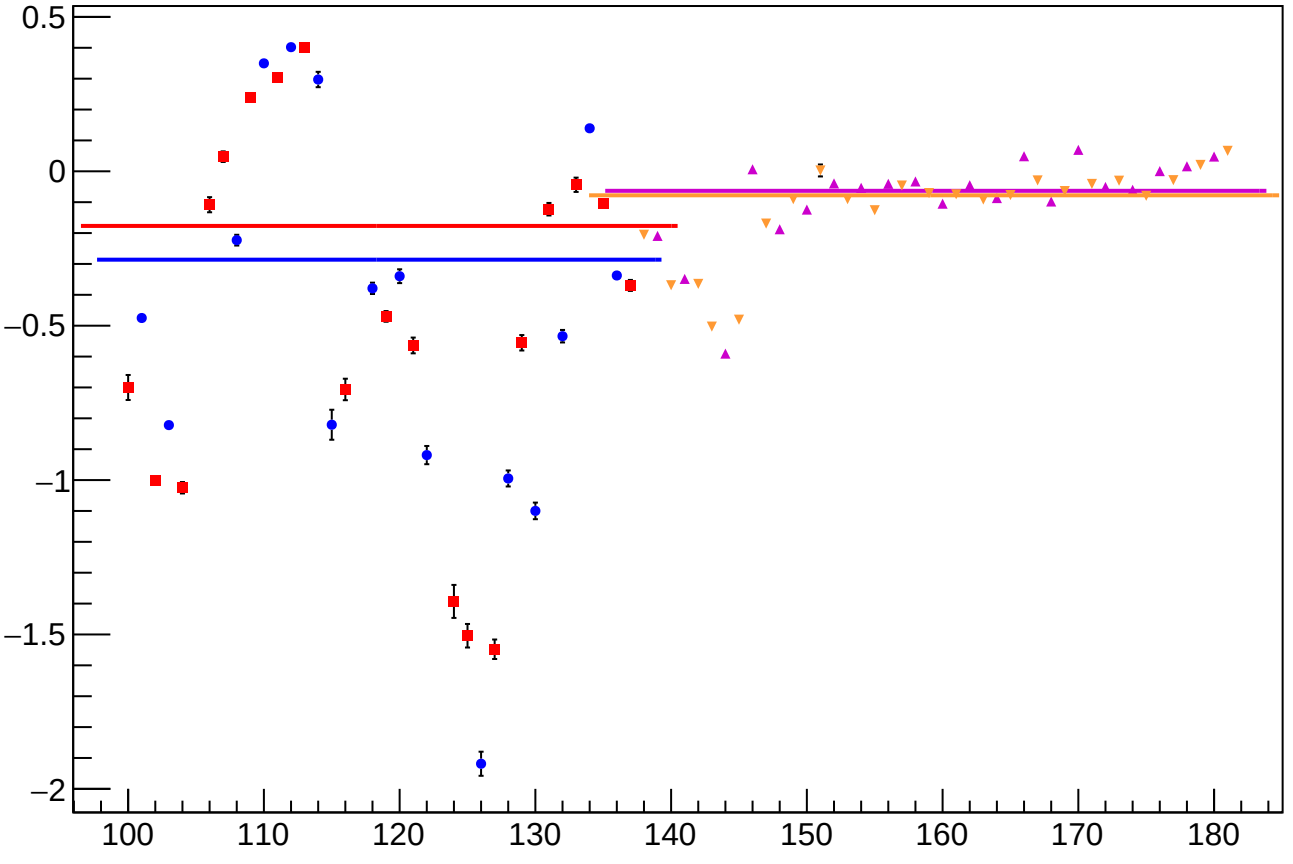
Right Out: -1.727+/-0.067 χ^2/NDF: 2309.6/18

Left In: -1.176+/-0.038 χ^2/NDF:6751.0/20

+ sign -1.337+/-0.035 χ^2/NDF: 11034.0/38

All: -1.323+/-0.024 χ^2/NDF: 20146.5/78

- sign -1.309+/-0.033 χ^2/NDF: 9112.1/39



Right In: -0.286+/-0.004 χ^2/NDF: 11361.1/15

Left Out: -0.078+/-0.002 χ^2/NDF:4633.6/22

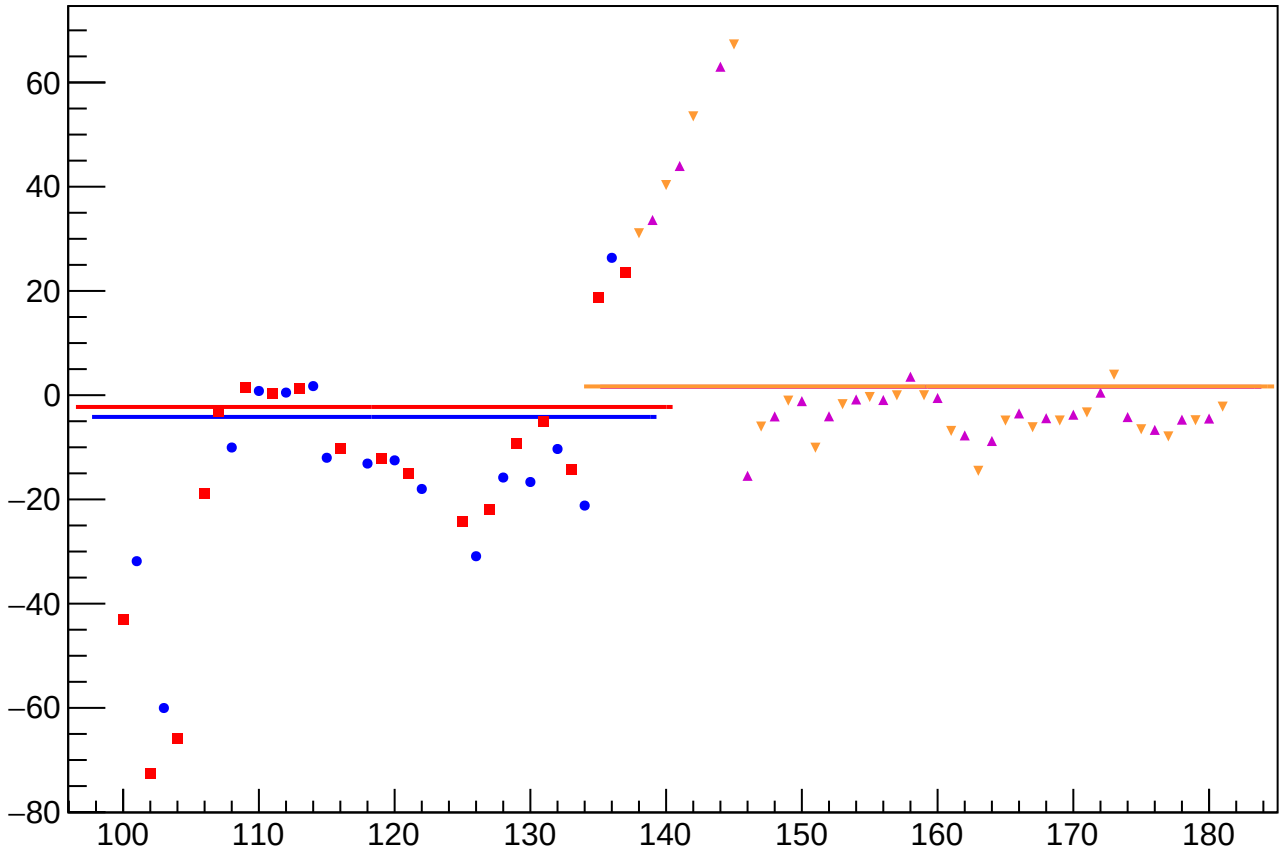
Right Out: -0.177+/-0.004 χ^2/NDF: 14767.8/18

Left In: -0.063+/-0.002 χ^2/NDF:4219.0/20

+ sign -0.107+/-0.002 χ^2/NDF: 18033.5/38

All: -0.092+/-0.001 χ^2/NDF: 37887.0/78

- sign -0.080+/-0.001 χ^2/NDF: 19696.3/39



Right In: -4.173+/-0.054 χ^2/NDF: 75394.5/15

Left Out: 1.677+/-0.044 χ^2/NDF:129569.2/21

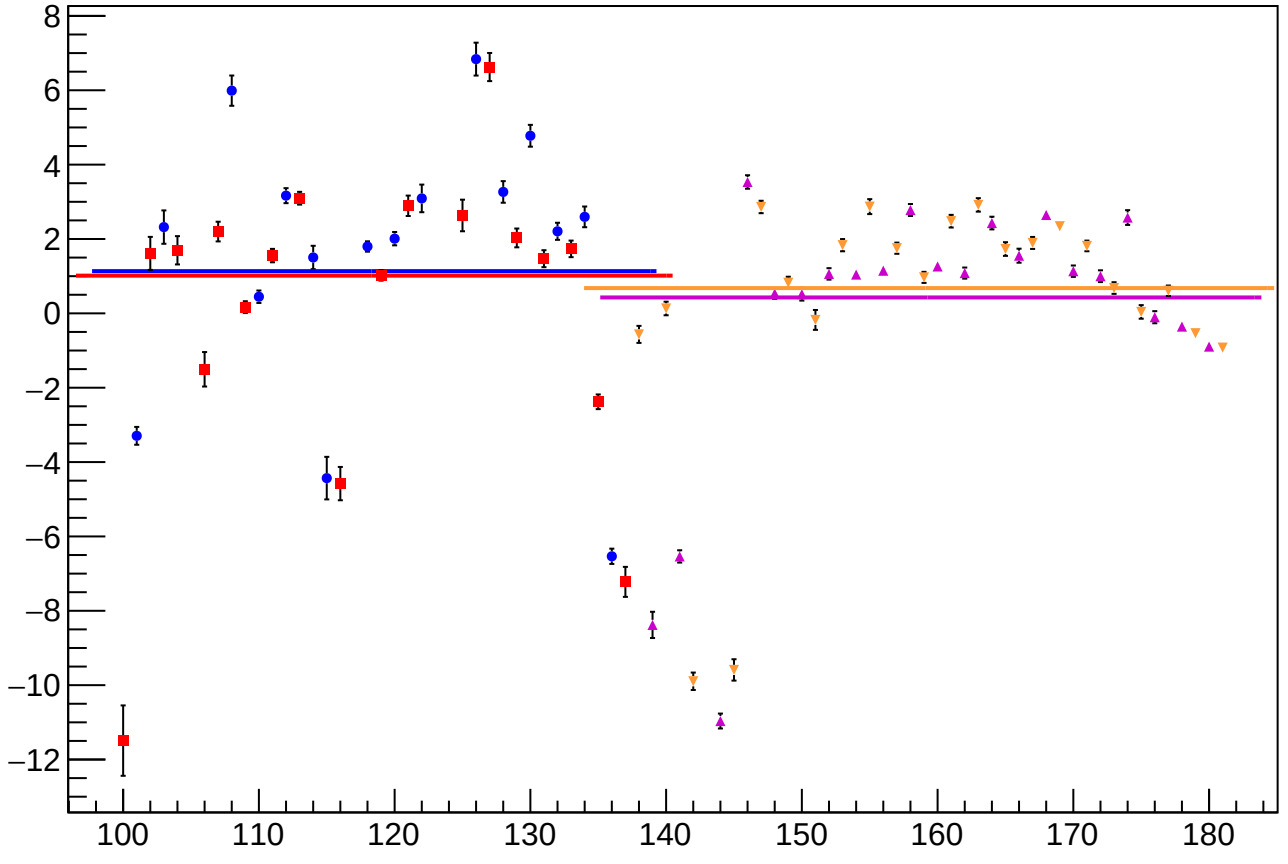
Right Out: -2.261+/-0.046 χ^2/NDF: 79624.4/17

Left In: 1.604+/-0.043 χ^2/NDF:131022.0/20

+ sign -0.624+/-0.034 χ^2/NDF: 211966.1/37

All: -0.395+/-0.023 χ^2/NDF: 426454.7/76

- sign -0.200+/-0.031 χ^2/NDF: 214405.2/38



Right In: 1.135+/-0.060 χ^2/NDF: 2595.7/15

Left Out: 0.679+/-0.035 χ^2/NDF:4633.2/21

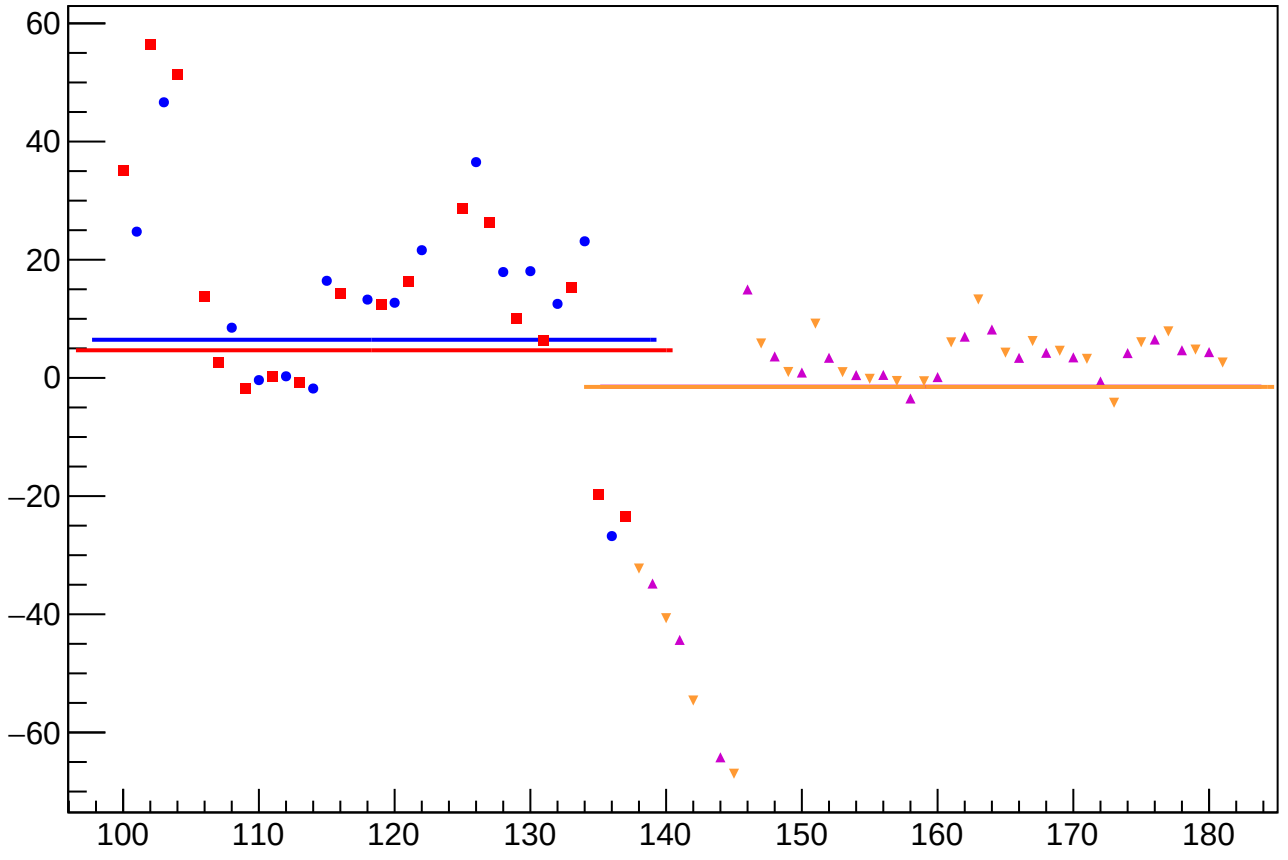
Right Out: 1.014+/-0.057 χ^2/NDF: 1593.0/17

Left In: 0.428+/-0.033 χ^2/NDF:7019.9/20

+ sign 0.795+/-0.030 χ^2/NDF: 7271.8/37

All: 0.677+/-0.021 χ^2/NDF: 15992.4/76

- sign 0.573+/-0.028 χ^2/NDF: 8692.1/38



Right In: 6.458+/-0.065 χ^2/NDF: 70792.7/15

Left Out: -1.522+/-0.044 χ^2/NDF:124935.5/21

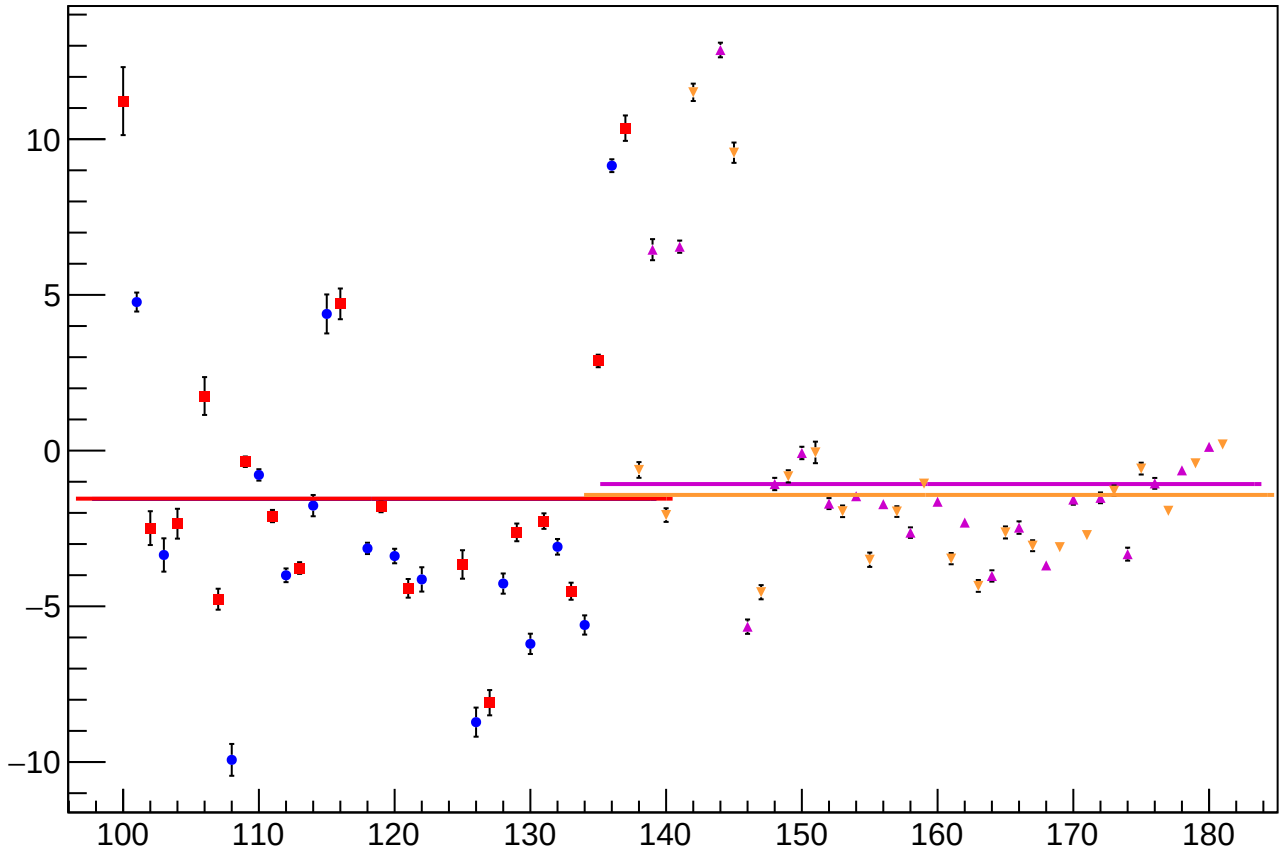
Right Out: 4.677+/-0.059 χ^2/NDF: 74414.5/17

Left In: -1.482+/-0.042 χ^2/NDF:127824.1/20

\+ sign 0.954+/-0.036 χ^2/NDF: 206136.3/37

All: 0.763+/-0.025 χ^2/NDF: 415632.9/76

\- sign 0.592+/-0.034 χ^2/NDF: 209444.1/38



Right In: -1.552+/-0.069 χ^2/NDF: 4543.6/15

Left Out: -1.423+/-0.039 χ^2/NDF:4569.3/21

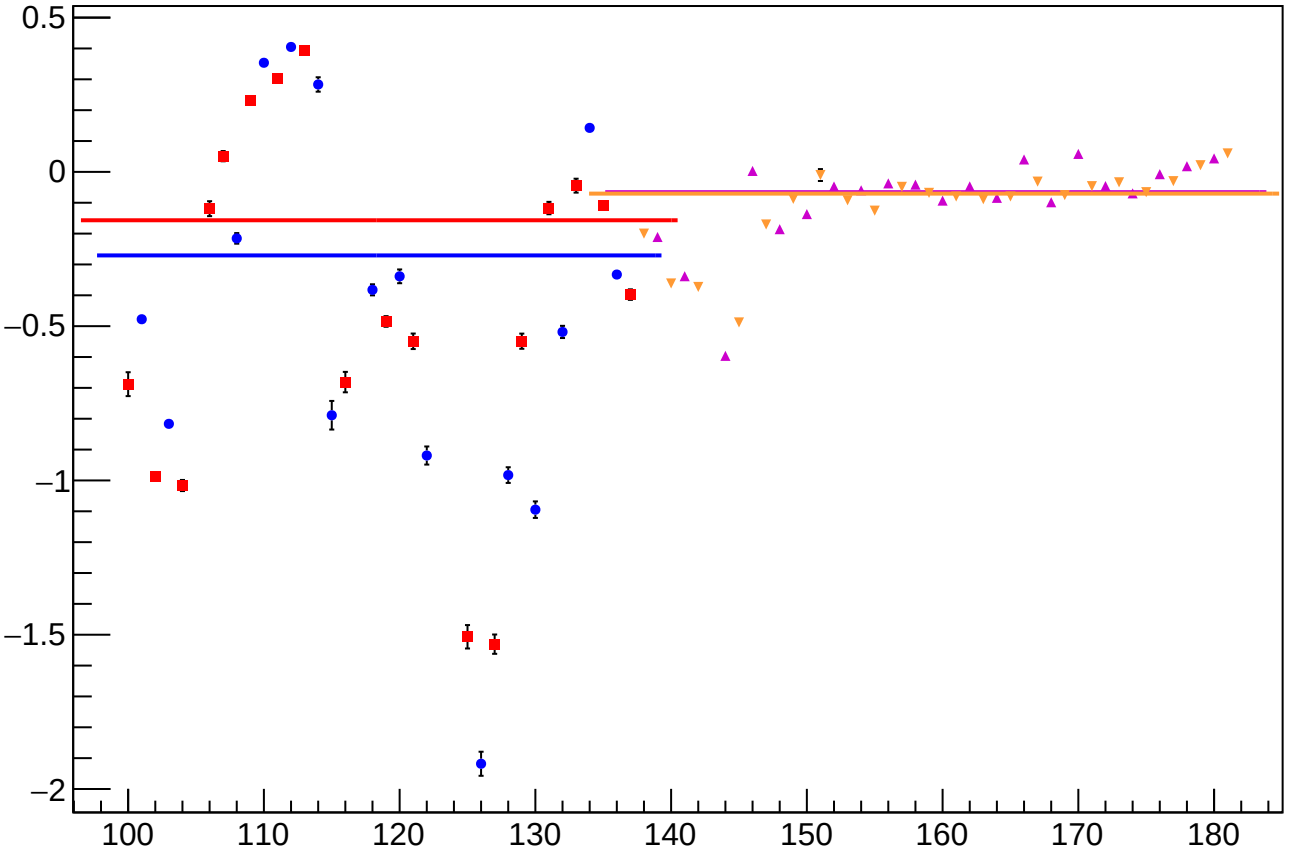
Right Out: -1.543+/-0.065 χ^2/NDF: 2473.0/17

Left In: -1.074+/-0.037 χ^2/NDF:6958.2/20

+ sign -1.454+/-0.034 χ^2/NDF: 9115.5/37

All: -1.312+/-0.023 χ^2/NDF: 18619.4/76

- sign -1.188+/-0.032 χ^2/NDF: 9471.1/38



Right In: -0.271+/-0.004 χ^2/NDF: 12096.1/15

Left Out: -0.070+/-0.002 χ^2/NDF:3516.8/21

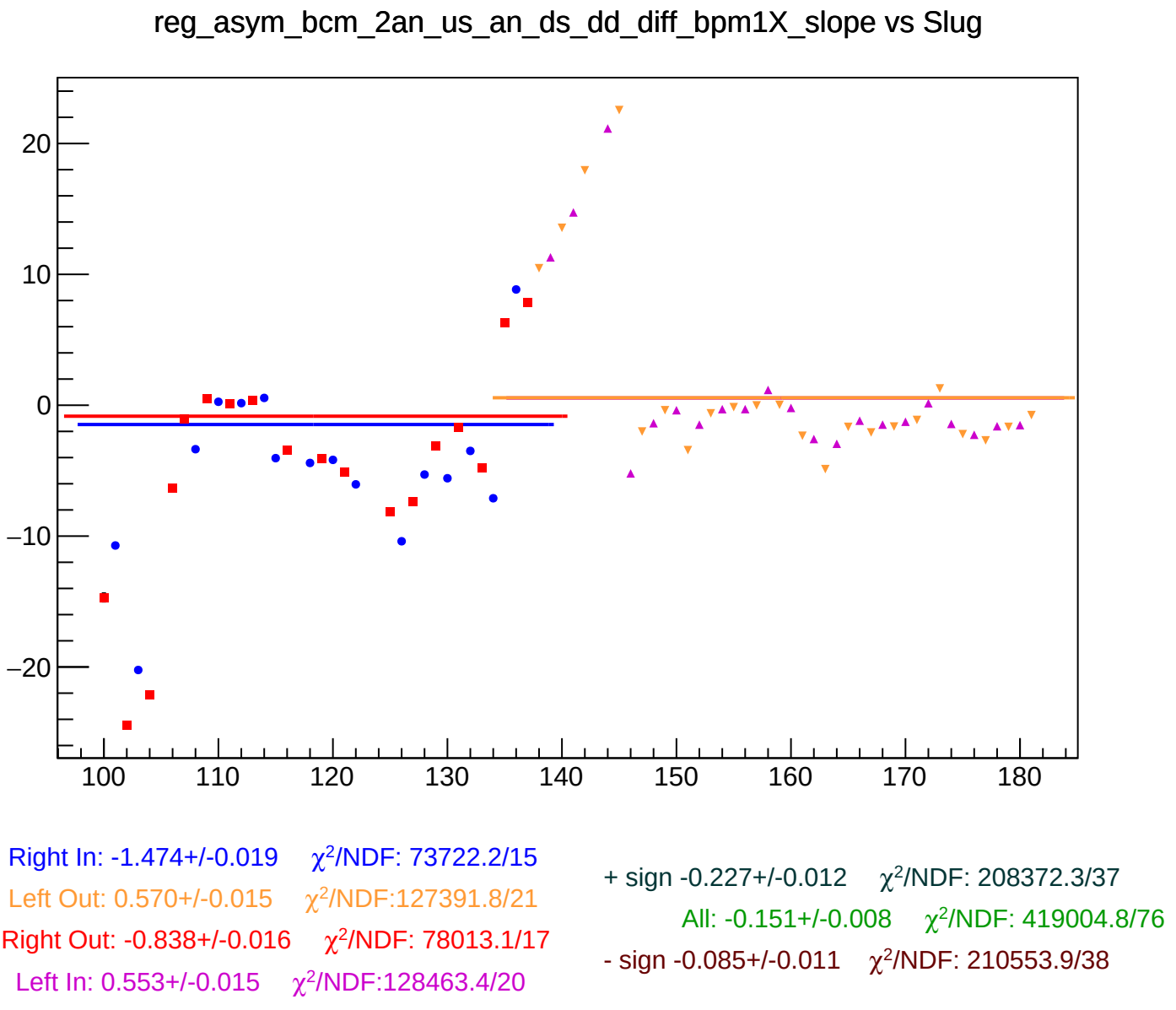
Right Out: -0.157+/-0.004 χ^2/NDF: 15019.0/17

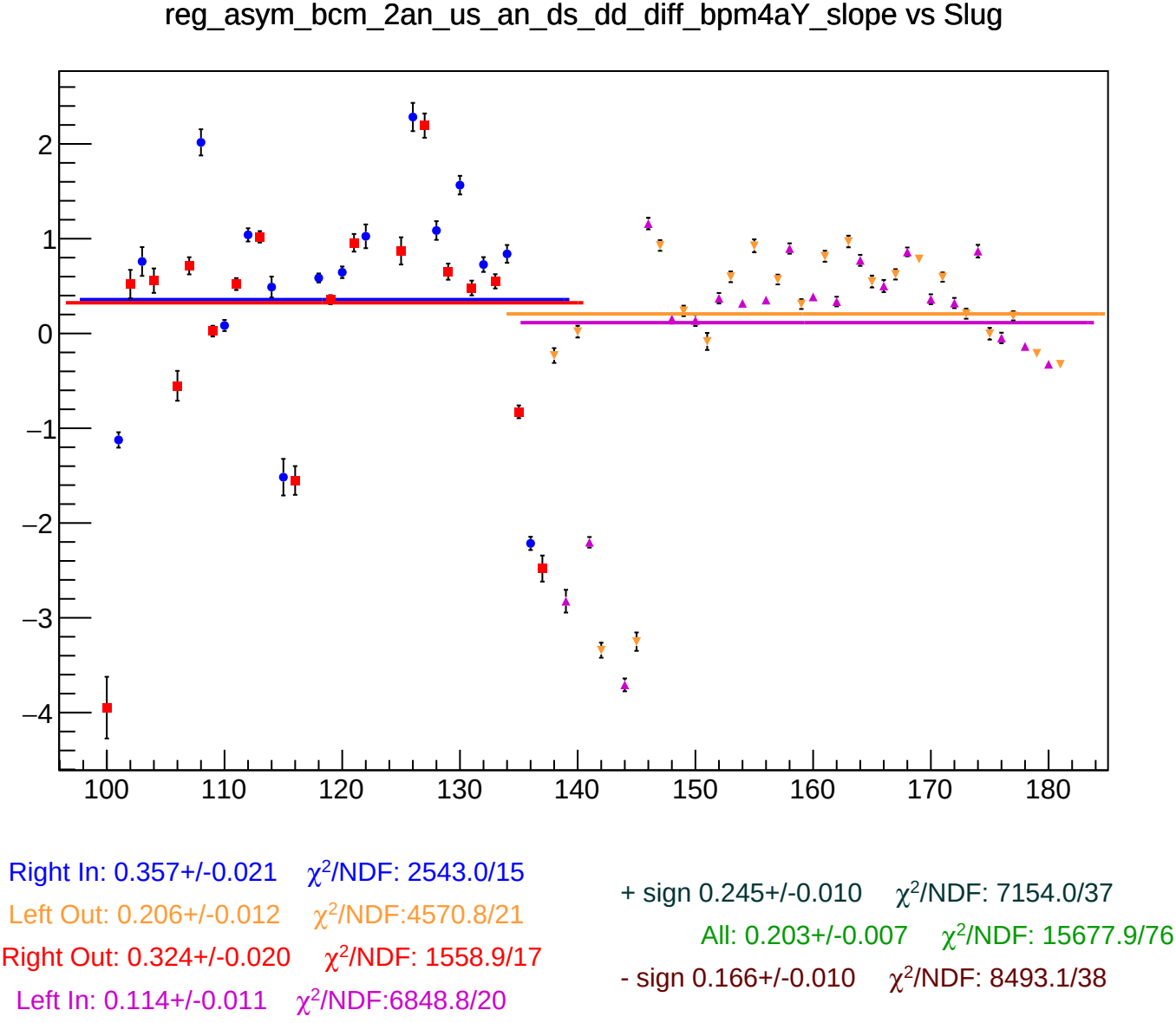
Left In: -0.066+/-0.002 χ^2/NDF:4313.3/20

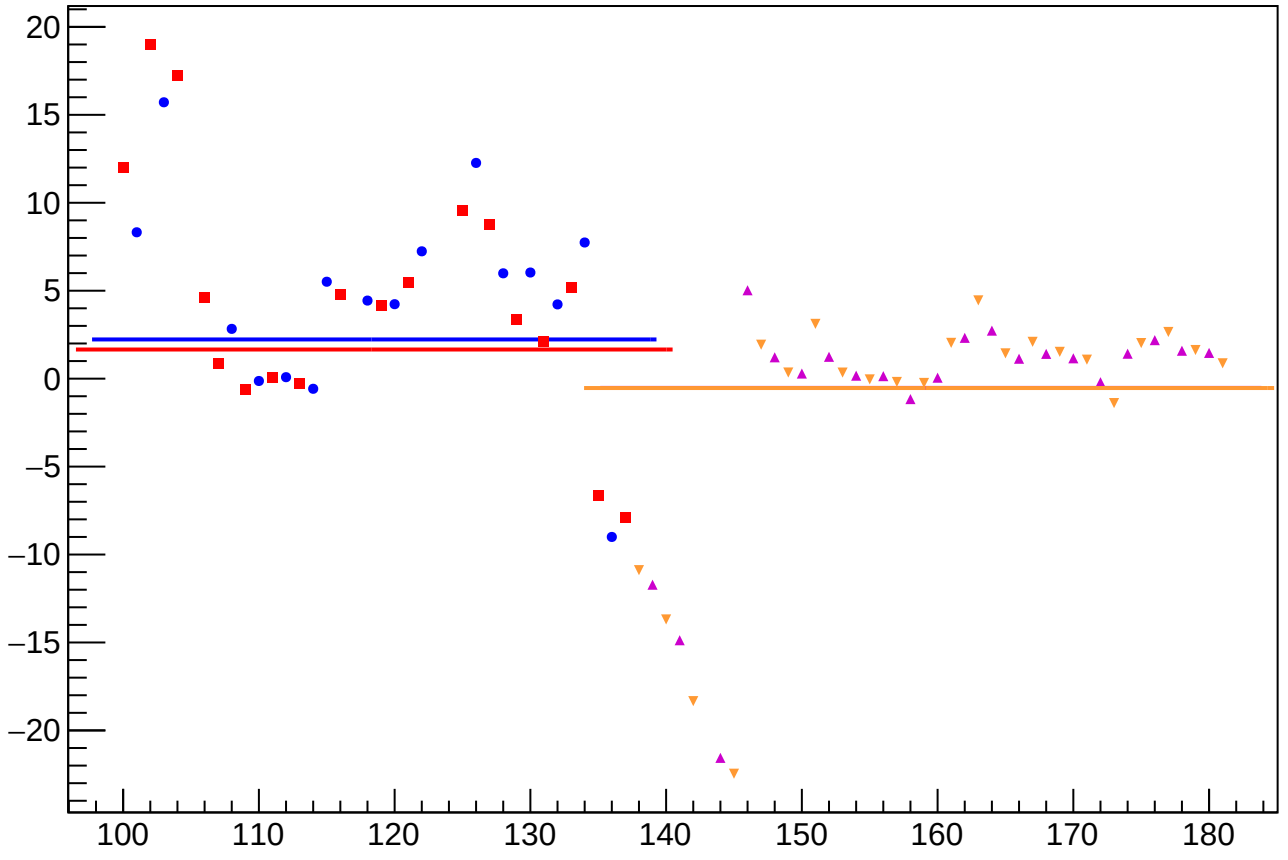
+ sign -0.099+/-0.002 χ^2/NDF: 17614.7/37

All: -0.088+/-0.001 χ^2/NDF: 37531.9/76

- sign -0.079+/-0.001 χ^2/NDF: 19826.0/38


reg_asym_bcm_2an_us_an_ds_dd_diff_bpm1X_slope vs Slug
20
10
0
−10
−20
100
110
120
130
140
150
160
170
180
Right In: -1.474+/-0.019 χ²/NDF: 73722.2/15
Left Out: 0.570+/-0.015 χ²/NDF:127391.8/21
Right Out: -0.838+/-0.016 χ²/NDF: 78013.1/17
Left In: 0.553+/-0.015 χ²/NDF:128463.4/20
+ sign -0.227+/-0.012 χ²/NDF: 208372.3/37
All: -0.151+/-0.008 χ²/NDF: 419004.8/76
- sign -0.085+/-0.011 χ²/NDF: 210553.9/38


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: 0.206+/-0.012 χ²/NDF:4570.8/21
Right Out: 0.324+/-0.020 χ²/NDF: 1558.9/17
Left In: 0.114+/-0.011 χ²/NDF:6848.8/20
+ sign 0.245+/-0.010 χ²/NDF: 7154.0/37
All: 0.203+/-0.007 χ²/NDF: 15677.9/76
- sign 0.166+/-0.010 χ²/NDF: 8493.1/38



Right In: 2.229+/-0.022 χ^2/NDF: 69187.1/15

Left Out: -0.533+/-0.015 χ^2/NDF:122820.3/21

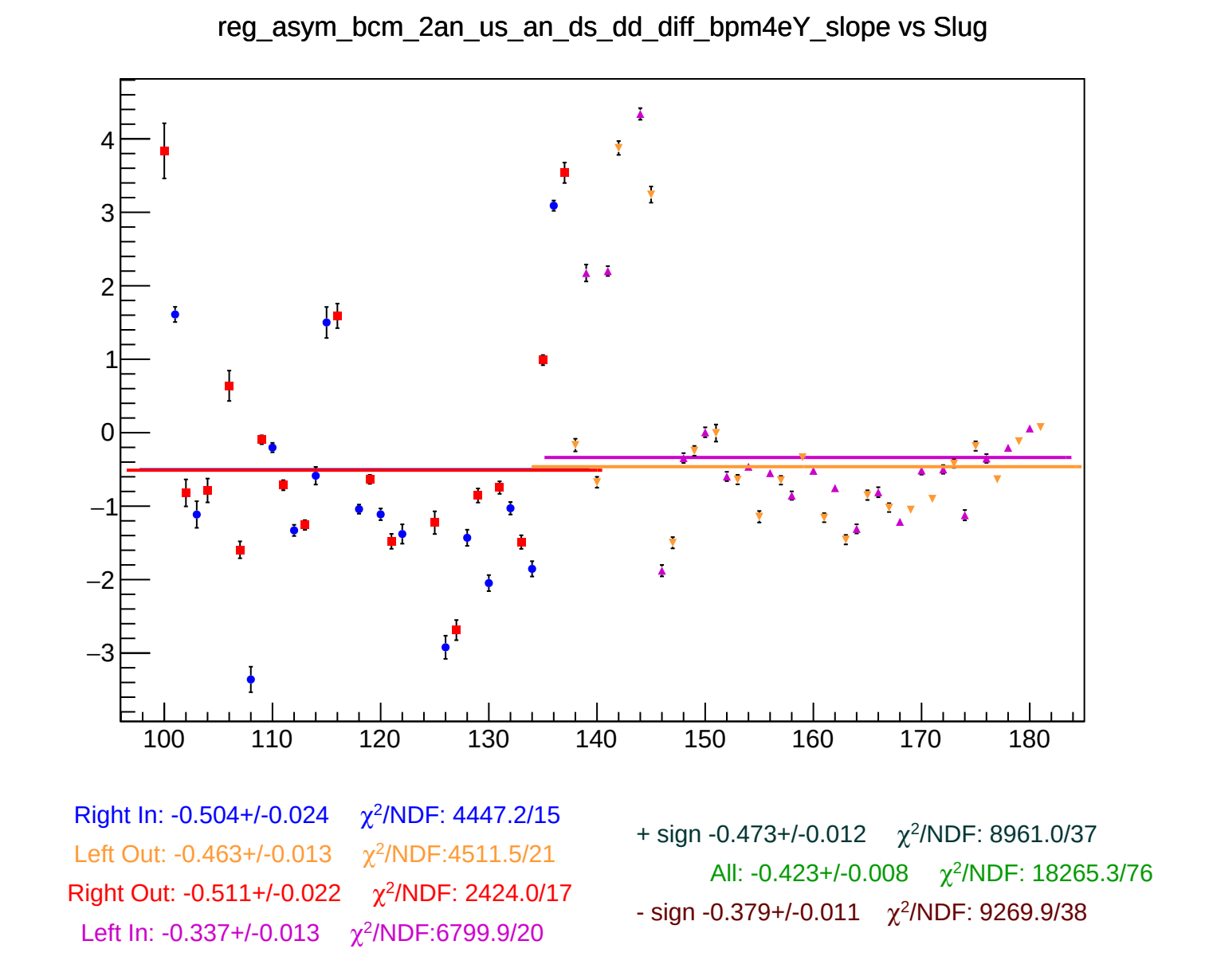
Right Out: 1.657+/-0.020 χ^2/NDF: 72797.4/17

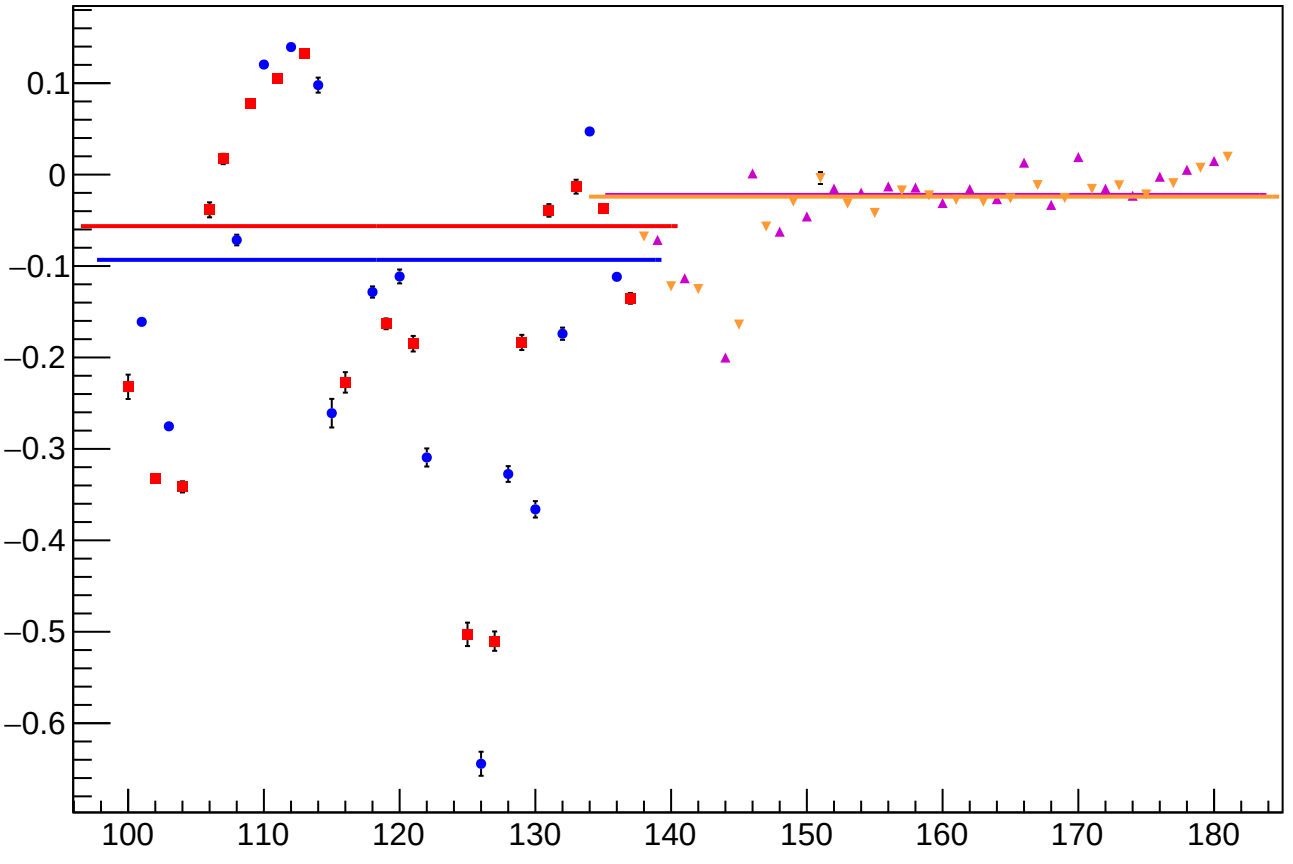
Left In: -0.526+/-0.014 χ^2/NDF:125365.6/20

+ sign 0.321+/-0.012 χ^2/NDF: 202647.5/37

All: 0.258+/-0.009 χ^2/NDF: 408461.7/76

- sign 0.201+/-0.012 χ^2/NDF: 205764.6/38


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: -0.463+/-0.013 χ²/NDF:4511.5/21
Right Out: -0.511+/-0.022 χ²/NDF: 2424.0/17
Left In: -0.337+/-0.013 χ²/NDF:6799.9/20
+ sign -0.473+/-0.012 χ²/NDF: 8961.0/37
All: -0.423+/-0.008 χ²/NDF: 18265.3/76
- sign -0.379+/-0.011 χ²/NDF: 9269.9/38



Right In: -0.093+/-0.001 χ^2/NDF: 11742.4/15

Left Out: -0.024+/-0.001 χ^2/NDF:3437.5/21

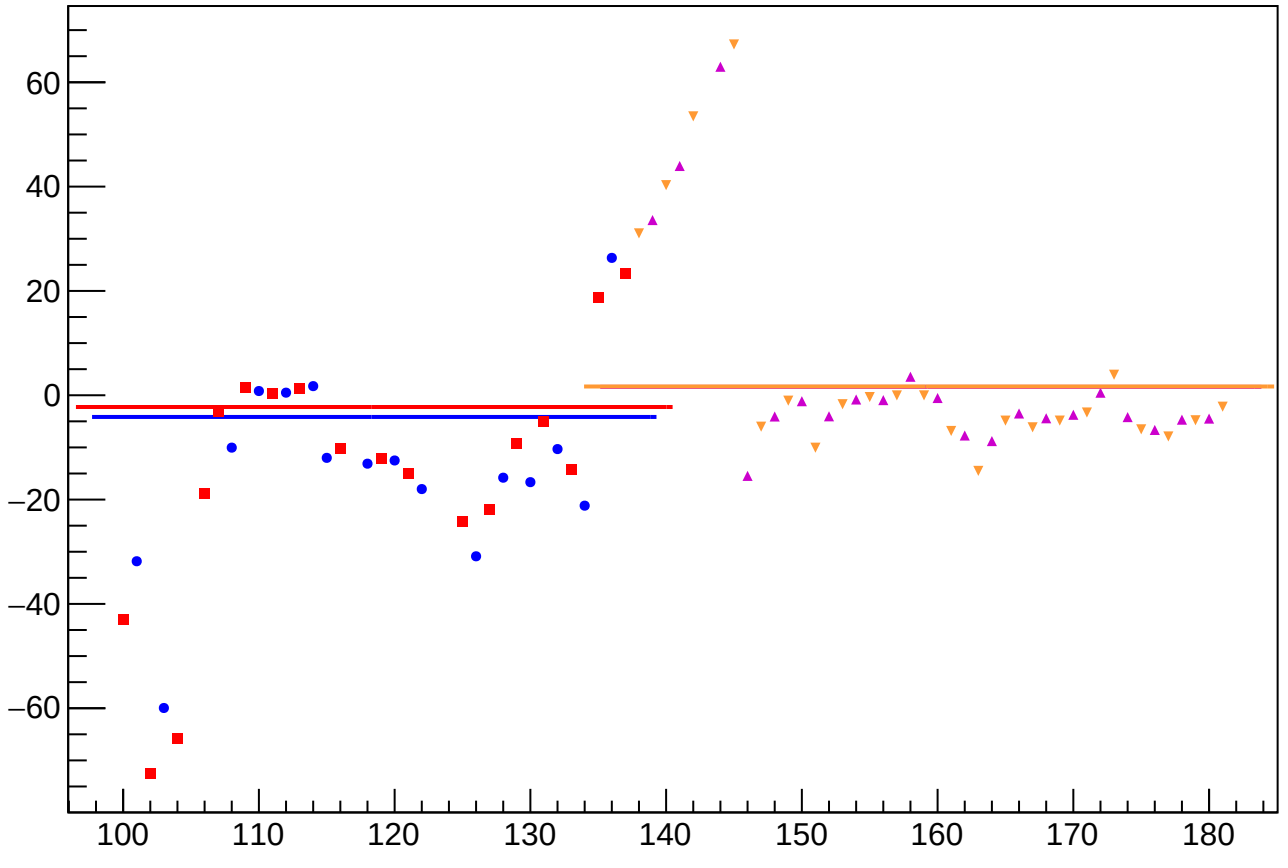
Right Out: -0.056+/-0.001 χ^2/NDF: 14457.4/17

Left In: -0.022+/-0.001 χ^2/NDF:4210.6/20

+ sign -0.034+/-0.001 χ^2/NDF: 17224.0/37

All: -0.030+/-0.000 χ^2/NDF: 36565.2/76

- sign -0.027+/-0.000 χ^2/NDF: 19252.0/38



Right In: -4.159+/-0.054 χ^2/NDF: 75420.4/15

Left Out: 1.680+/-0.044 χ^2/NDF:129548.2/21

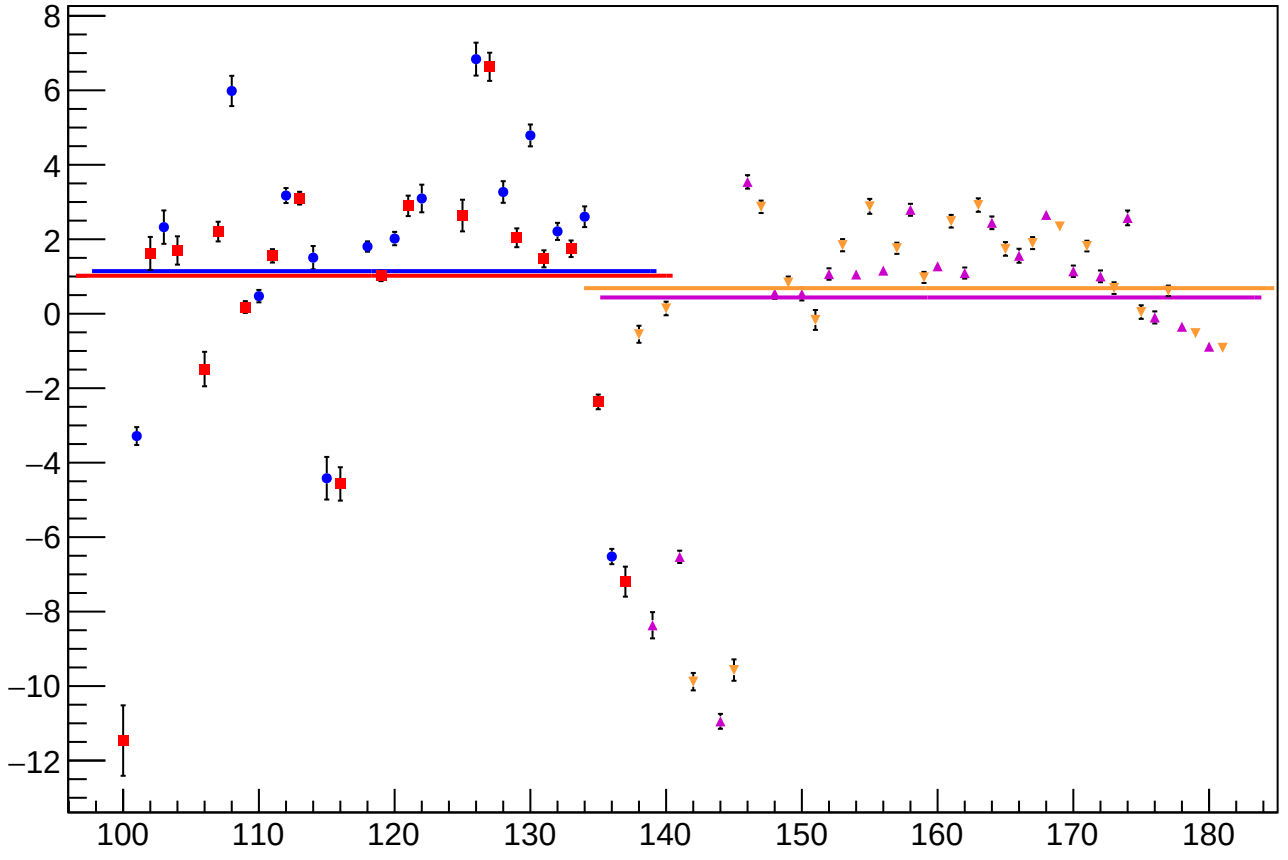
Right Out: -2.251+/-0.046 χ^2/NDF: 79637.5/17

Left In: 1.607+/-0.043 χ^2/NDF:131029.3/20

+ sign -0.618+/-0.034 χ^2/NDF: 211961.6/37

All: -0.389+/-0.023 χ^2/NDF: 426465.0/76

- sign -0.196+/-0.031 χ^2/NDF: 214420.5/38



Right In: 1.144+/-0.060 χ^2/NDF: 2595.3/15

Left Out: 0.687+/-0.035 χ^2/NDF:4630.9/21

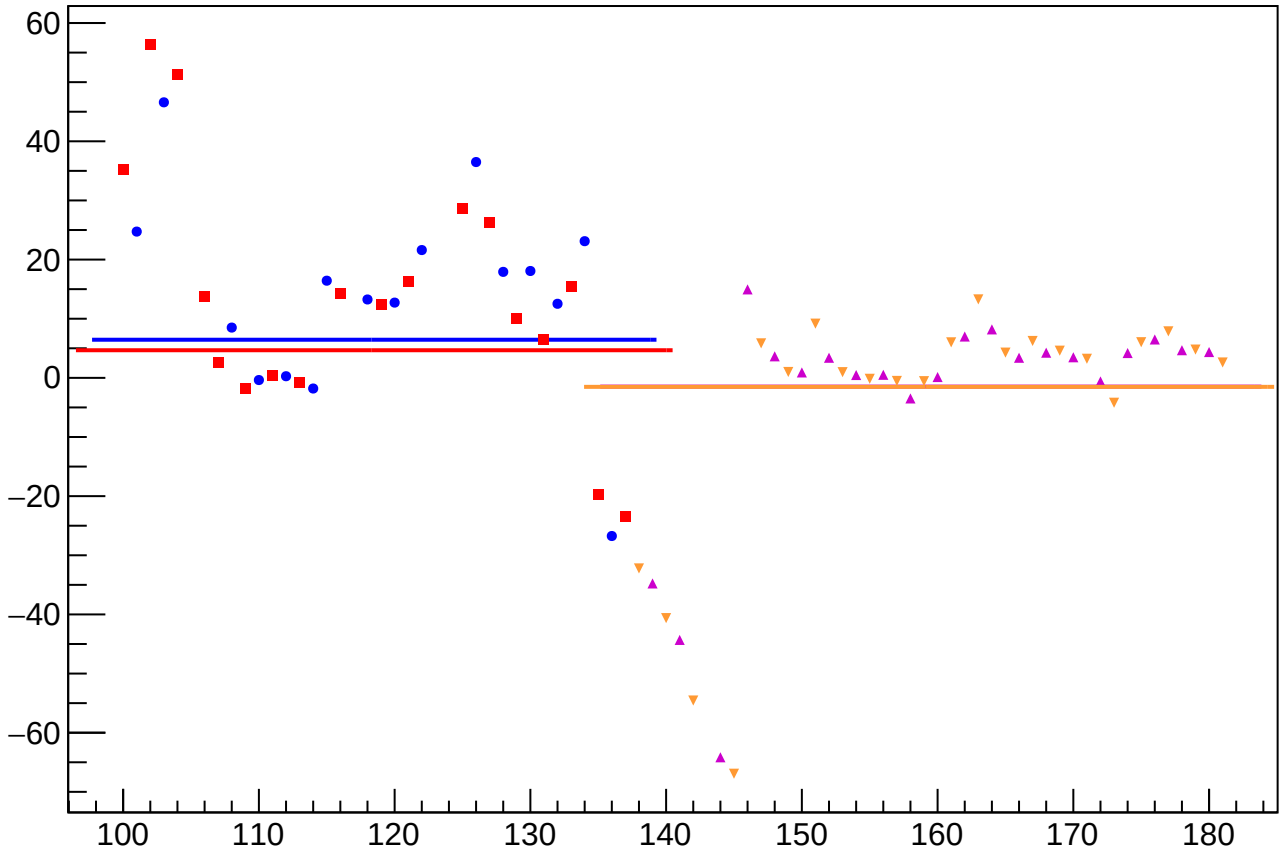
Right Out: 1.021+/-0.057 χ^2/NDF: 1591.2/17

Left In: 0.437+/-0.033 χ^2/NDF:7024.7/20

+ sign 0.802+/-0.030 χ^2/NDF: 7269.5/37

All: 0.685+/-0.021 χ^2/NDF: 15992.3/76

- sign 0.581+/-0.028 χ^2/NDF: 8694.4/38



Right In: 6.448+/-0.065 χ^2/NDF: 70815.1/15

Left Out: -1.520+/-0.044 χ^2/NDF:124915.8/21

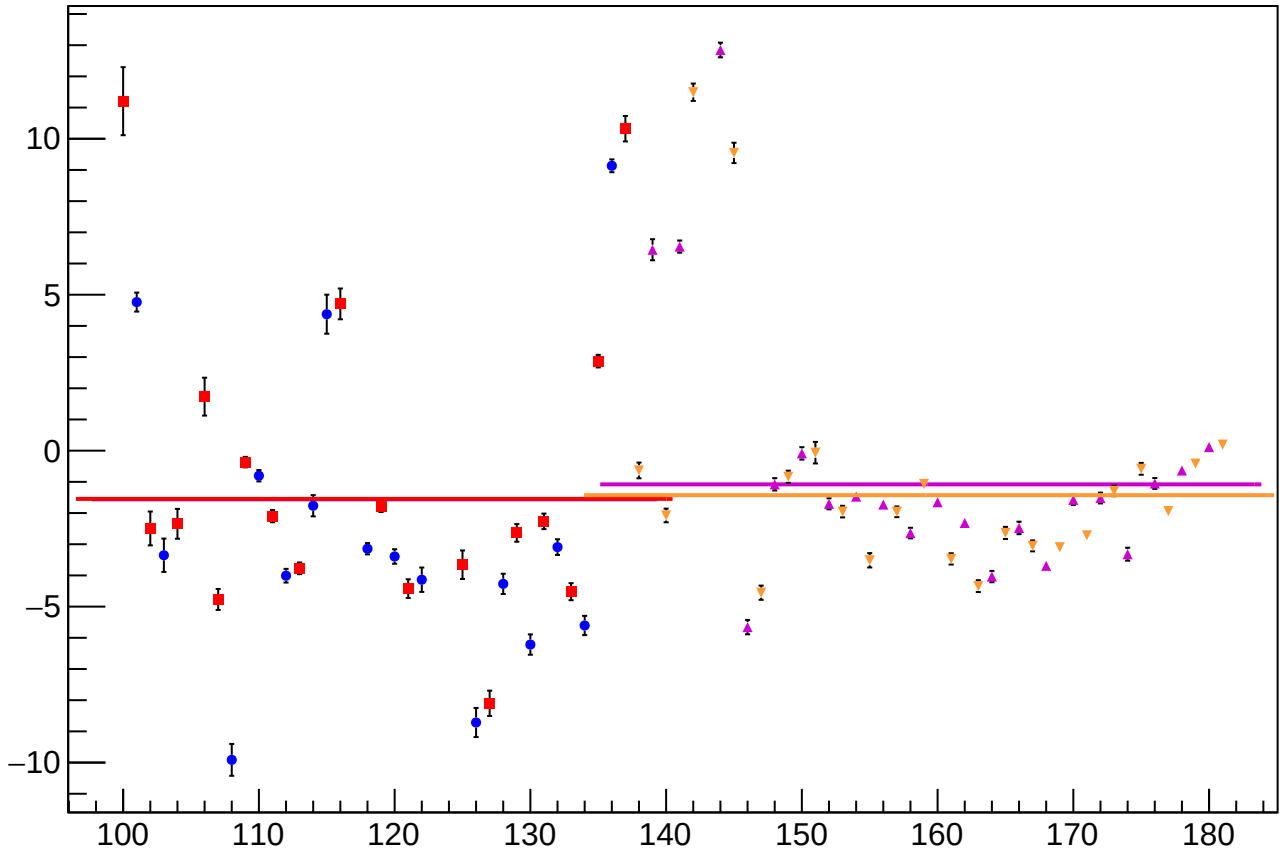
Right Out: 4.671+/-0.059 χ^2/NDF: 74420.3/17

Left In: -1.479+/-0.042 χ^2/NDF:127828.8/20

\+ sign 0.953+/-0.036 χ^2/NDF: 206128.6/37

All: 0.764+/-0.025 χ^2/NDF: 415629.9/76

\- sign 0.594+/-0.034 χ^2/NDF: 209449.2/38



Right In: -1.558+/-0.069 χ^2/NDF: 4543.1/15

Left Out: -1.427+/-0.039 χ^2/NDF:4566.7/21

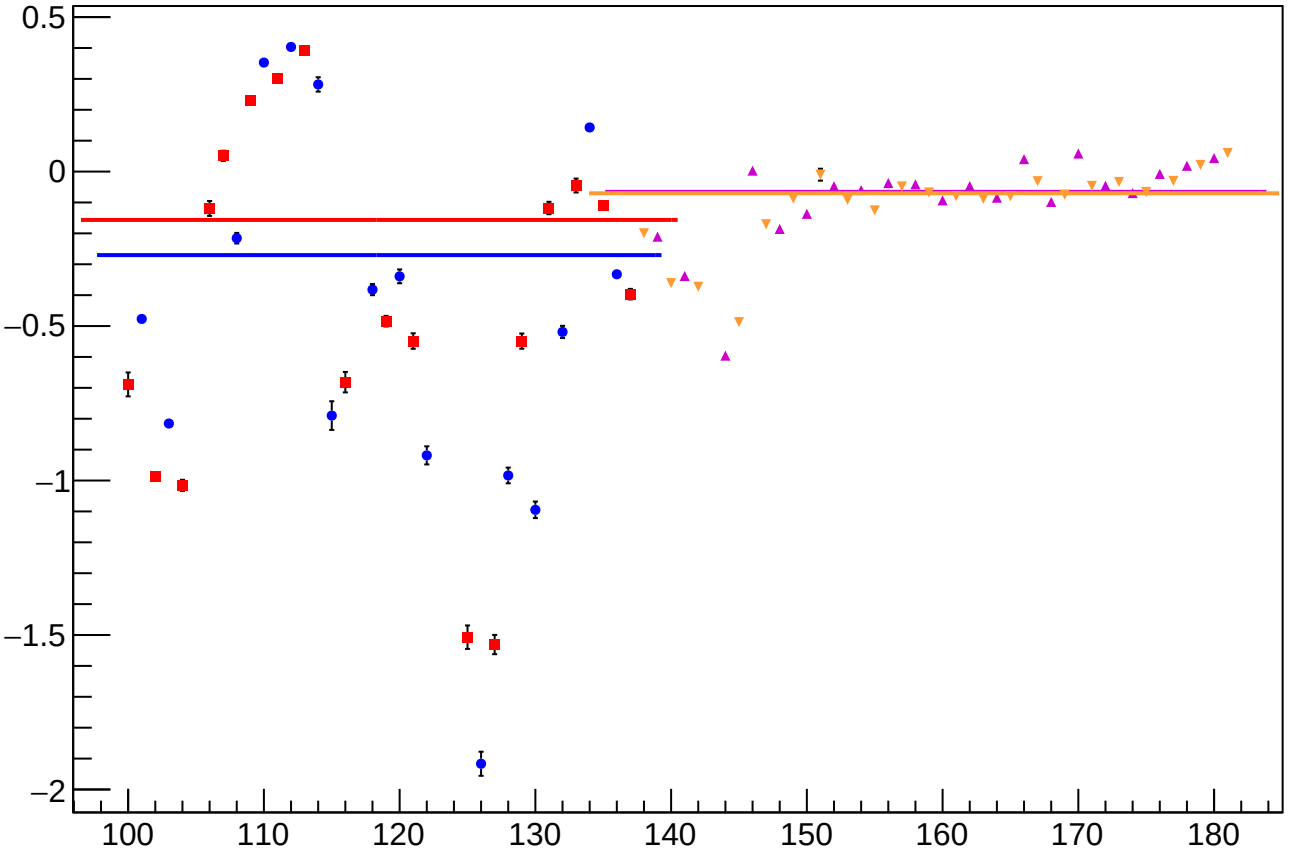
Right Out: -1.547+/-0.064 χ^2/NDF: 2470.1/17

Left In: -1.081+/-0.036 χ^2/NDF:6961.9/20

+ sign -1.459+/-0.034 χ^2/NDF: 9112.5/37

All: -1.318+/-0.023 χ^2/NDF: 18616.6/76

- sign -1.194+/-0.032 χ^2/NDF: 9471.5/38



Right In: -0.270+/-0.004 χ^2/NDF: 12096.8/15

Left Out: -0.070+/-0.002 χ^2/NDF:3517.1/21

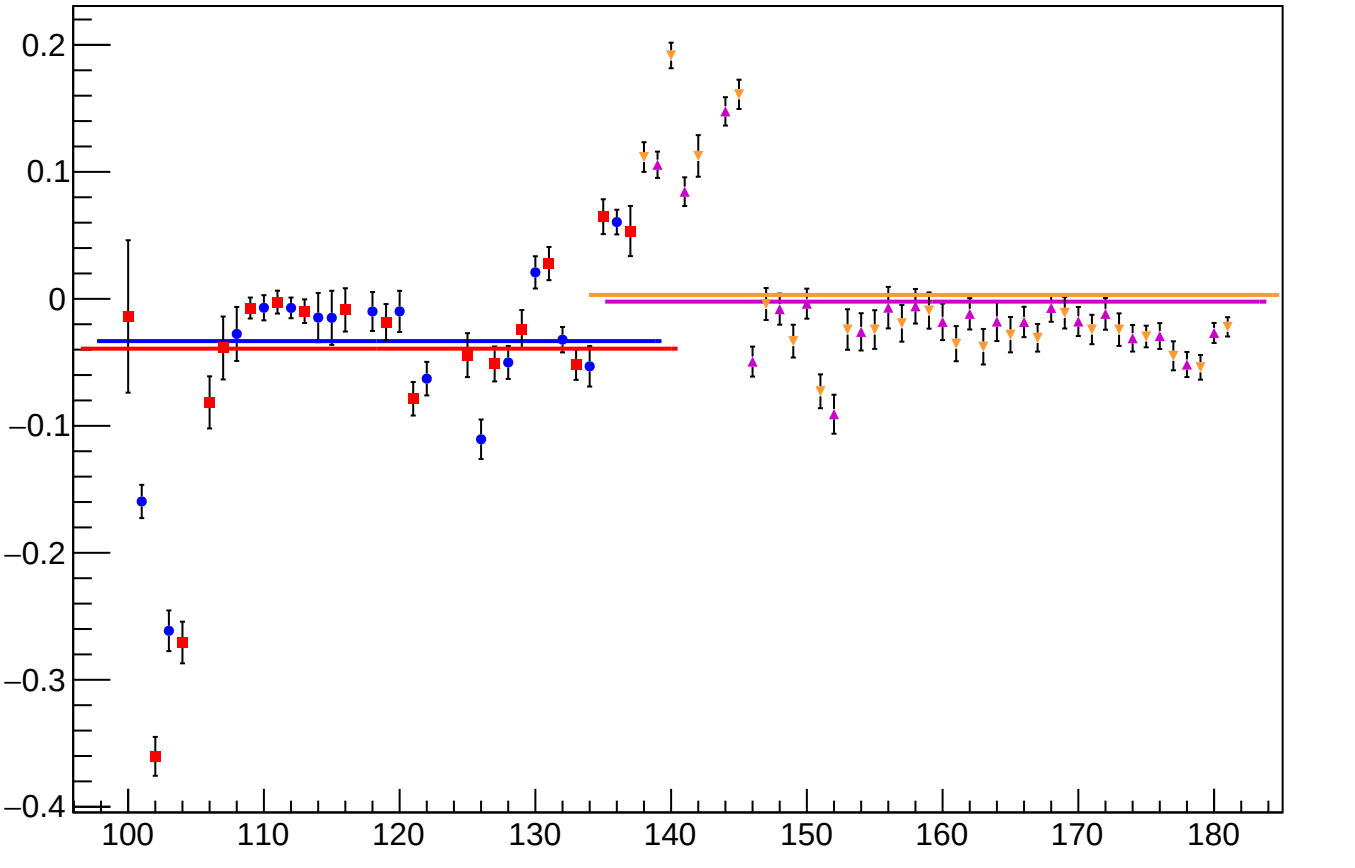
Right Out: -0.156+/-0.004 χ^2/NDF: 15030.0/17

Left In: -0.066+/-0.002 χ^2/NDF:4315.9/20

+ sign -0.099+/-0.002 χ^2/NDF: 17616.0/37

All: -0.088+/-0.001 χ^2/NDF: 37543.8/76

- sign -0.079+/-0.001 χ^2/NDF: 19837.2/38



Right In: -0.033+/-0.003 χ^2/NDF: 463.5/15

Left Out: 0.003+/-0.003 χ^2/NDF:839.8/21

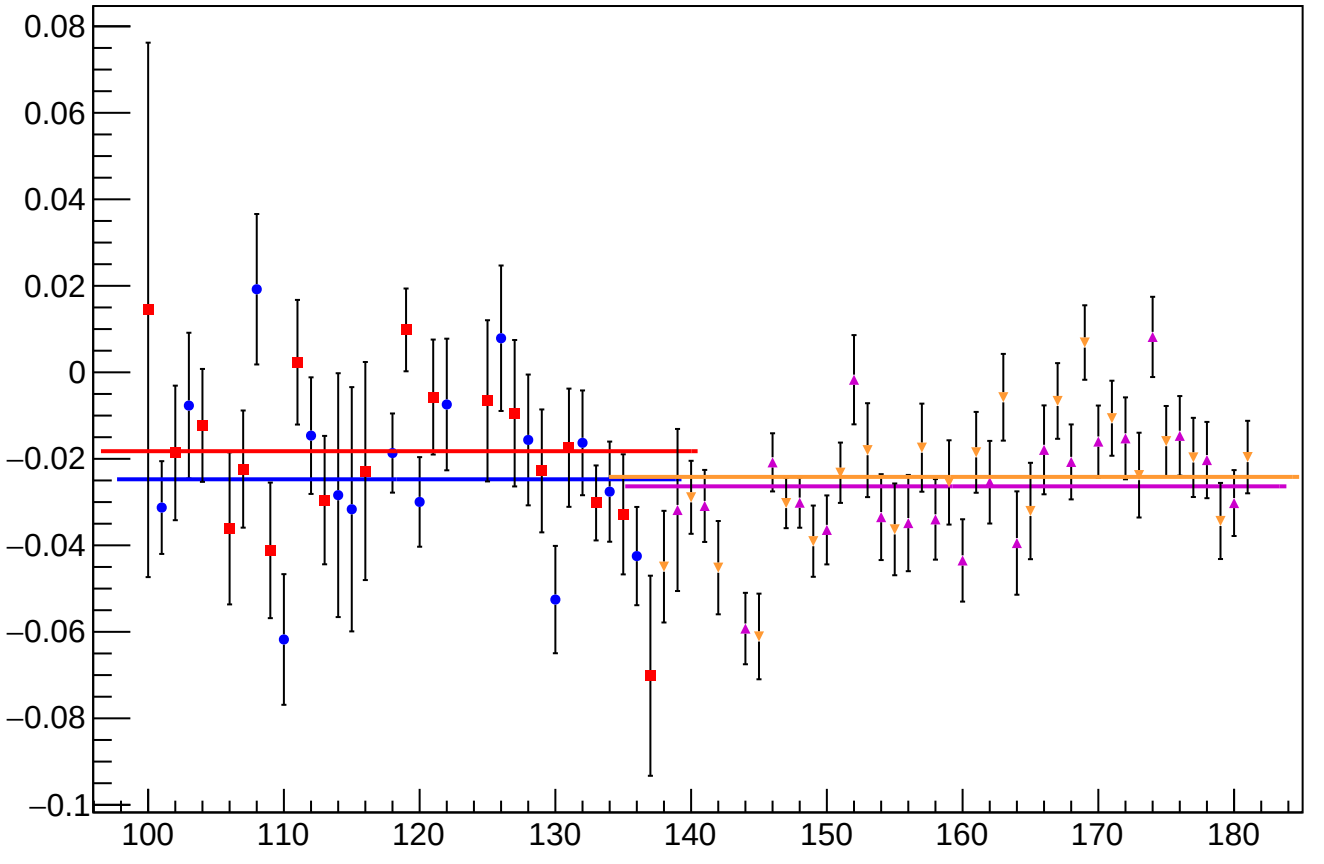
Right Out: -0.039+/-0.003 χ^2/NDF: 807.6/17

Left In: -0.002+/-0.003 χ^2/NDF:455.9/20

+ sign -0.011+/-0.002 χ^2/NDF: 1382.5/37

All: -0.014+/-0.001 χ^2/NDF: 2732.9/76

- sign -0.017+/-0.002 χ^2/NDF: 1346.0/38



Right In: -0.025+/-0.003 χ^2/NDF: 28.5/15

Left Out: -0.024+/-0.002 χ^2/NDF:53.7/21

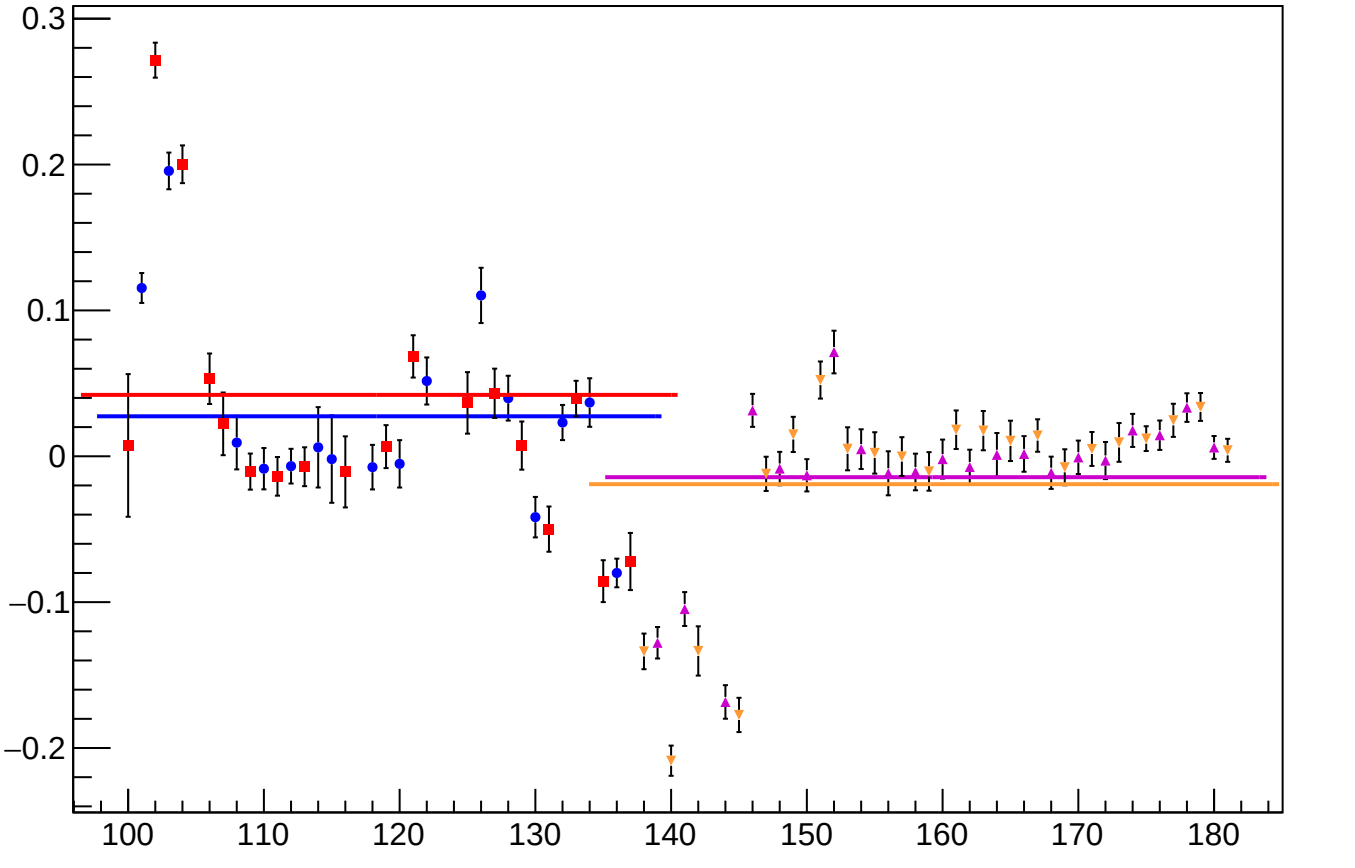
Right Out: -0.018+/-0.003 χ^2/NDF: 24.7/17

Left In: -0.026+/-0.002 χ^2/NDF:51.1/20

+ sign -0.024+/-0.002 χ^2/NDF: 82.2/37

All: -0.024+/-0.001 χ^2/NDF: 162.4/76

- sign -0.024+/-0.002 χ^2/NDF: 80.1/38



Right In: 0.027+/-0.004 χ^2/NDF: 446.1/15

Left Out: -0.019+/-0.002 χ^2/NDF:804.3/21

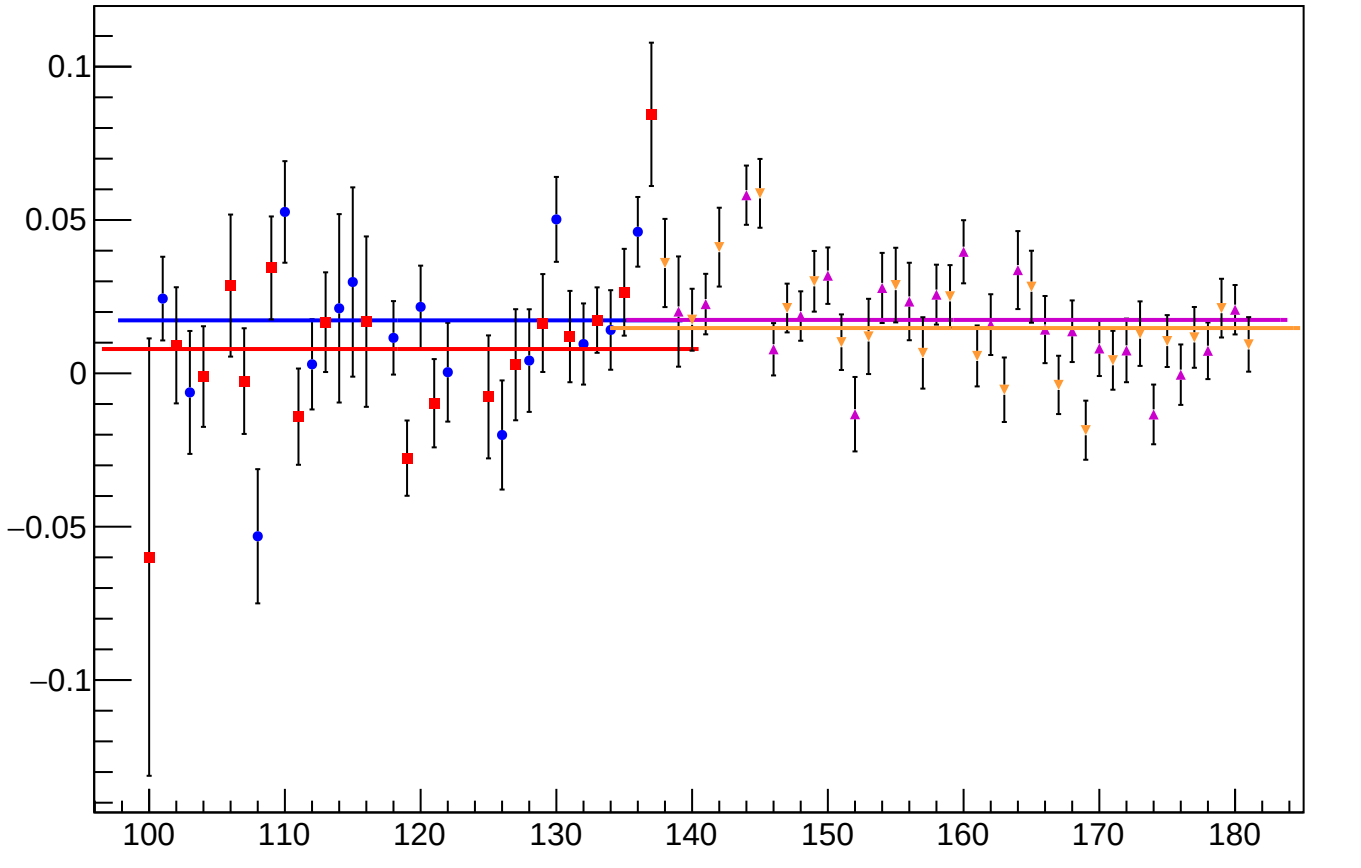
Right Out: 0.042+/-0.004 χ^2/NDF: 733.2/17

Left In: -0.014+/-0.003 χ^2/NDF:456.8/20

+ sign -0.004+/-0.002 χ^2/NDF: 1364.4/37

All: -0.000+/-0.001 χ^2/NDF: 2724.4/76

- sign 0.004+/-0.002 χ^2/NDF: 1352.8/38



Right In: 0.017+/-0.004 χ^2/NDF: 36.7/15

Left Out: 0.015+/-0.002 χ^2/NDF:51.9/21

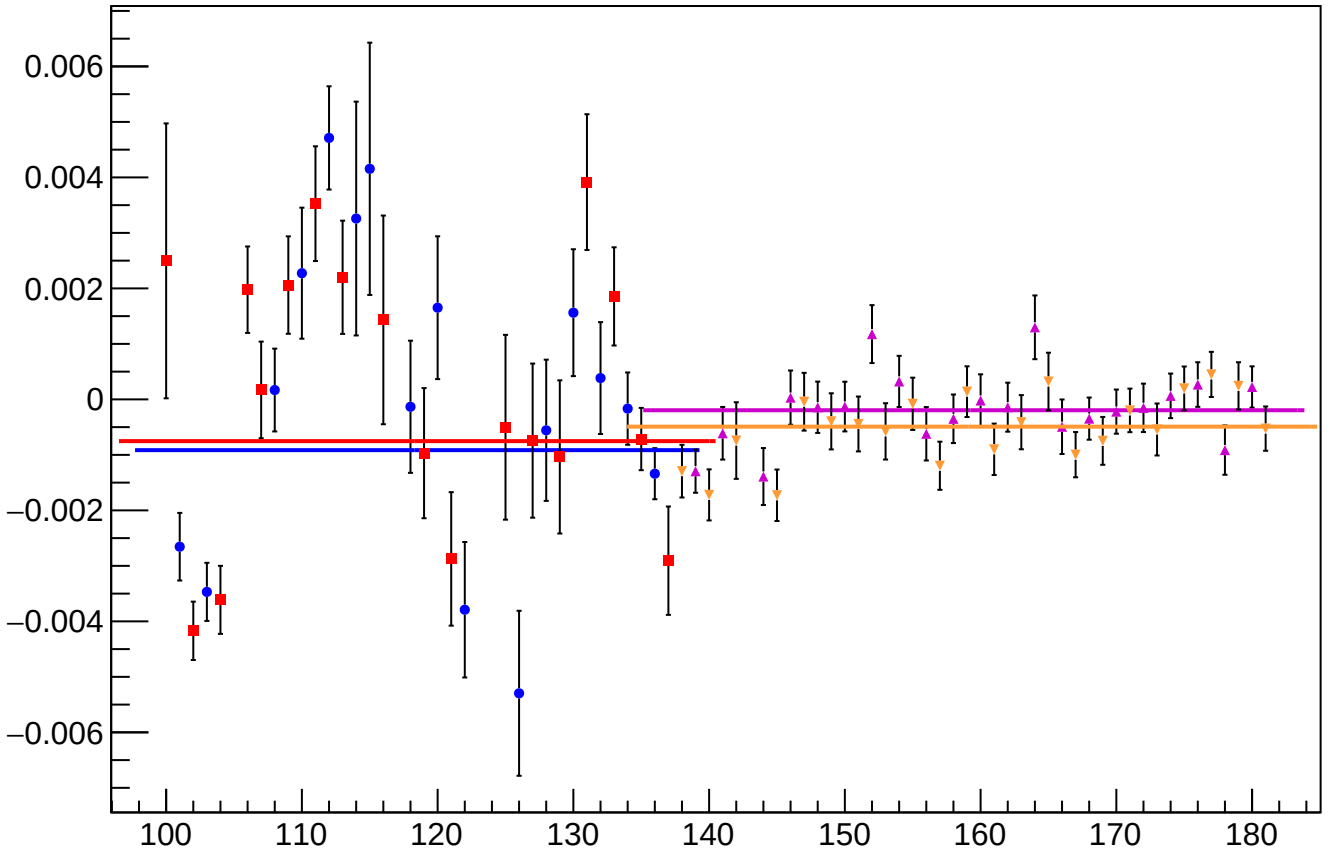
Right Out: 0.008+/-0.004 χ^2/NDF: 31.4/17

Left In: 0.017+/-0.002 χ^2/NDF:53.1/20

+ sign 0.015+/-0.002 χ^2/NDF: 88.9/37

All: 0.015+/-0.001 χ^2/NDF: 177.9/76

- sign 0.015+/-0.002 χ^2/NDF: 89.0/38



Right In: -0.001+/-0.000 χ^2/NDF: 114.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:40.4/21

Right Out: -0.001+/-0.000 χ^2/NDF: 147.6/17

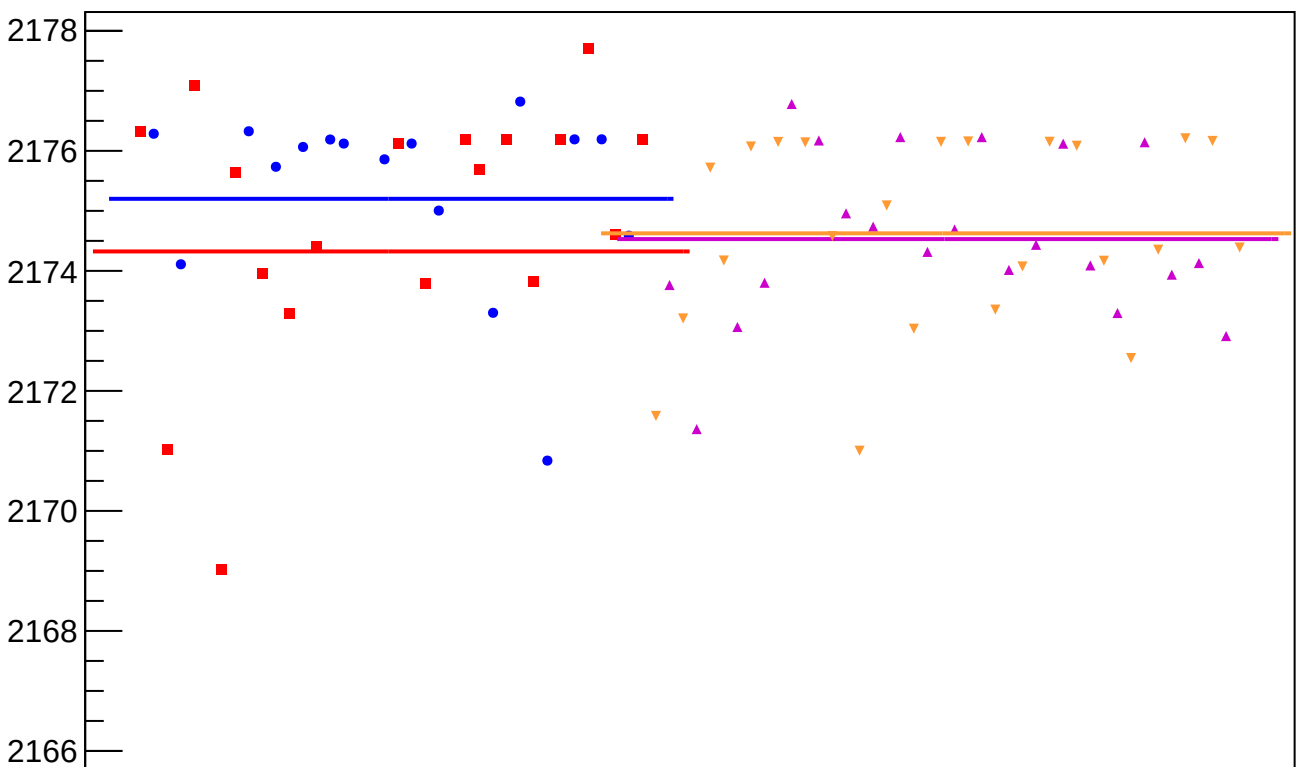
Left In: -0.000+/-0.000 χ^2/NDF:36.6/20

+ sign -0.001+/-0.000 χ^2/NDF: 157.8/37

All: -0.000+/-0.000 χ^2/NDF: 352.4/76

- sign -0.000+/-0.000 χ^2/NDF: 189.8/38

HALLA_p_mean vs Slug



Right In: 2175.201+/-0.000 χ^2/NDF: 176572407292366018093705133136281 6.0/15

Left Out: 2174.626+/-0.000 χ^2/NDF:4705463621450767968692914364612608.0/22

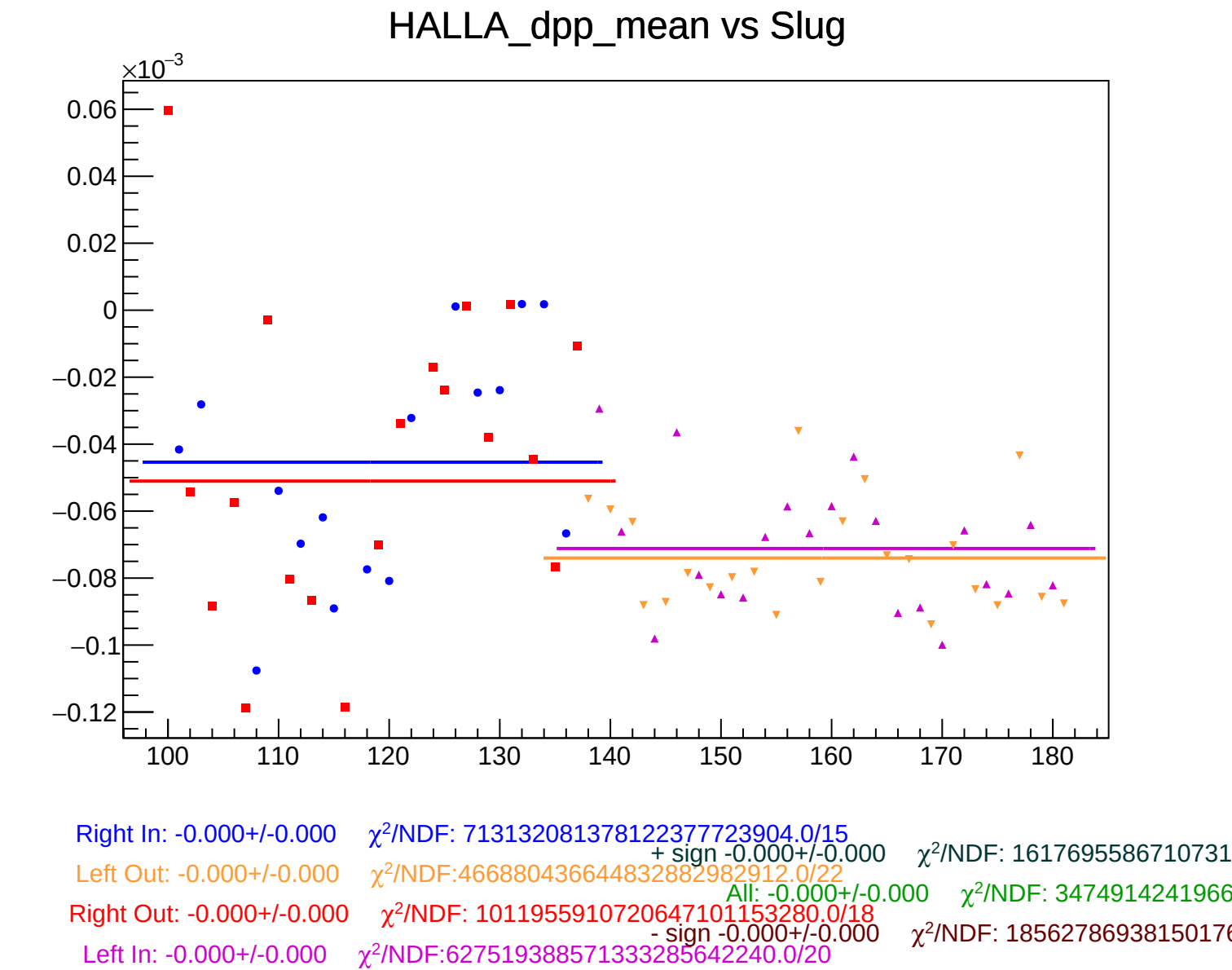
Right Out: 2174.324+/-0.000 χ^2/NDF: 554223941568104692872352720171827 2.0/18

Left In: 2174.530+/-0.000 χ^2/NDF:333879855507400906337041722952908 8.0/20

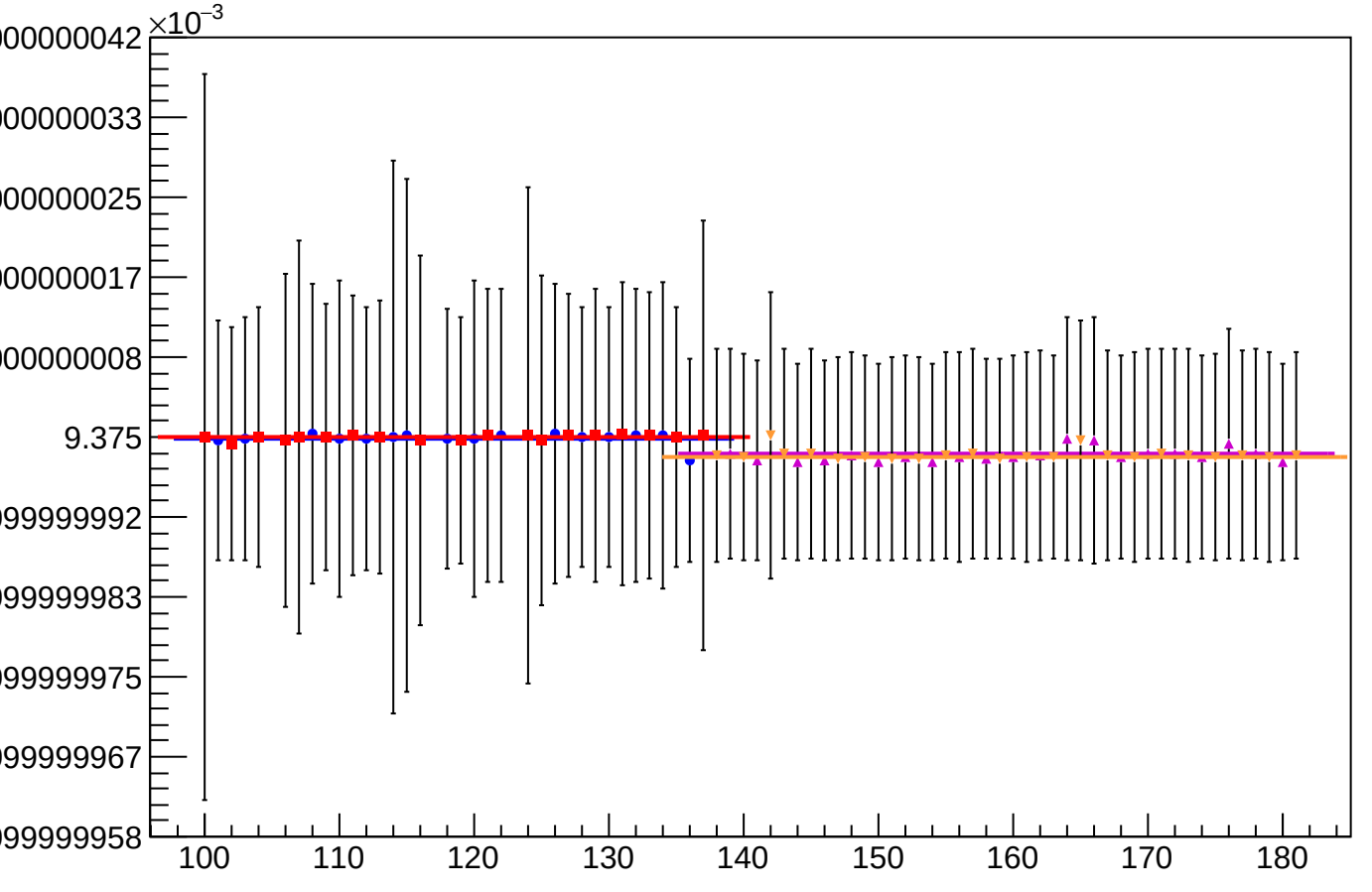
+ sign 2174.787+/-0.000 χ^2/NDF: 66478936288156

All: 2174.630+/-0.000 χ^2/NDF: 1568335830

- sign 2174.468+/-0.000 χ^2/NDF: 89037318495348


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: 7131320813781223777239040.0/15
Left Out: -0.000+/-0.000 χ²/NDF:4668804366448328829829120.0/22
Right Out: -0.000+/-0.000 χ²/NDF: 1011955910720647101153280.0/18
Left In: -0.000+/-0.000 χ²/NDF:627519388571333285642240.0/20
+ sign -0.000+/-0.000 χ²/NDF: 1617695586710731
All: -0.000+/-0.000 χ²/NDF: 3474914241966
- sign -0.000+/-0.000 χ²/NDF: 1856278693815017

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:0.0/22

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: 0.009+/-0.000 χ^2/NDF:0.1/20

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/38

All: 0.009+/-0.000 χ^2/NDF: 0.6/78

- sign 0.009+/-0.000 χ^2/NDF: 0.3/39

HacL_Q2_HP3458A_IOUT_mean vs Slug

Right In: 931.769+/-0.000 χ^2/NDF: 2757217223595001187167685836800.0/15

+ sign 931.781+/-0.000 χ^2/NDF: 711516346772873

Left Out: 931.785+/-0.000 χ^2/NDF:42199924086724176917991595704320.0/22

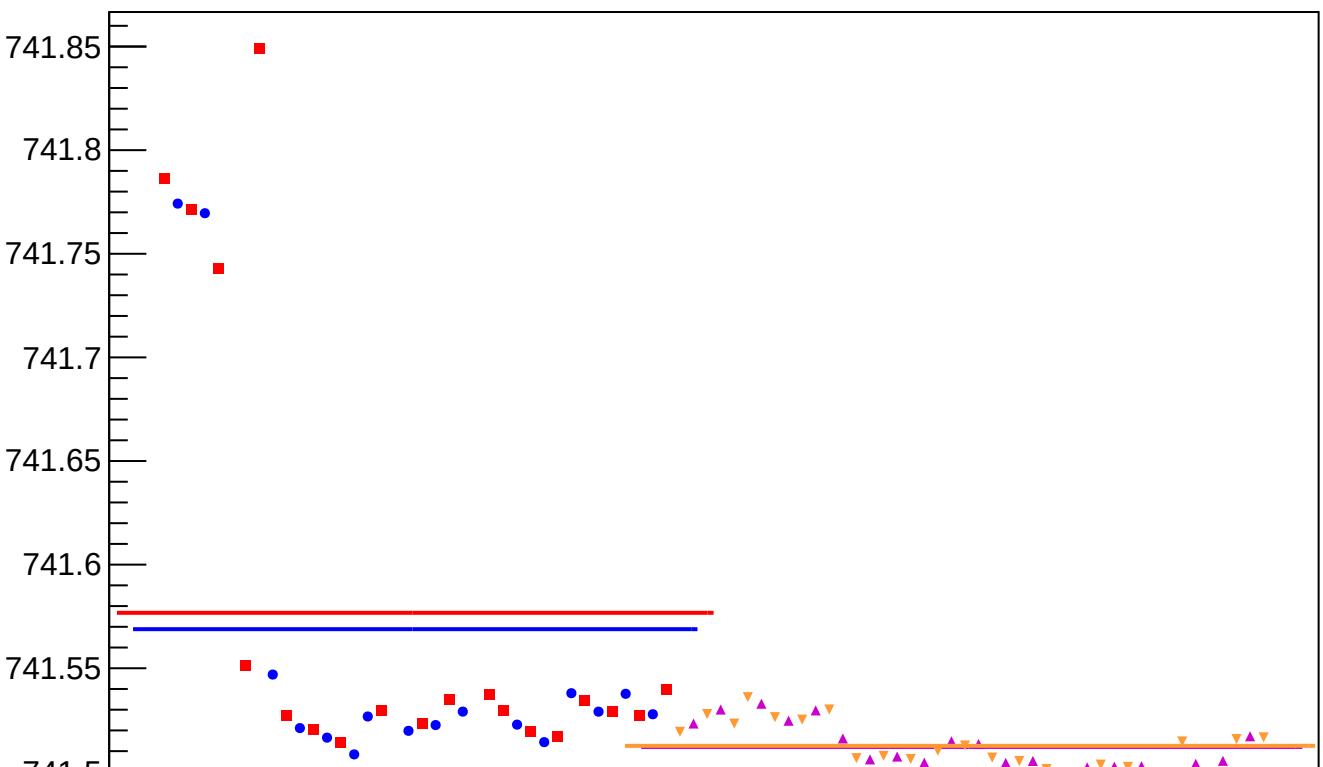
All: 929.093+/-0.000 χ^2/NDF: 12984740139

Right Out: 913.447+/-0.000 χ^2/NDF: 12765879635094435683491886518824337408.0/18

- sign 926.308+/-0.000 χ^2/NDF: 129457658585052

Left In: 931.778+/-0.000 χ^2/NDF:38141901836502387607405991034880.0/20

HacL_D1_HP3458A_IOUT_mean vs Slug



Right In: 741.569+/-0.000 χ^2/NDF: 643295117612794706193889938636 8.0/15

Left Out: 741.513+/-0.000 χ^2/NDF:2362079718861957355247060910 08.0/22

Right Out: 741.577+/-0.000 χ^2/NDF: 769226394789261471153747761561 6.0/18

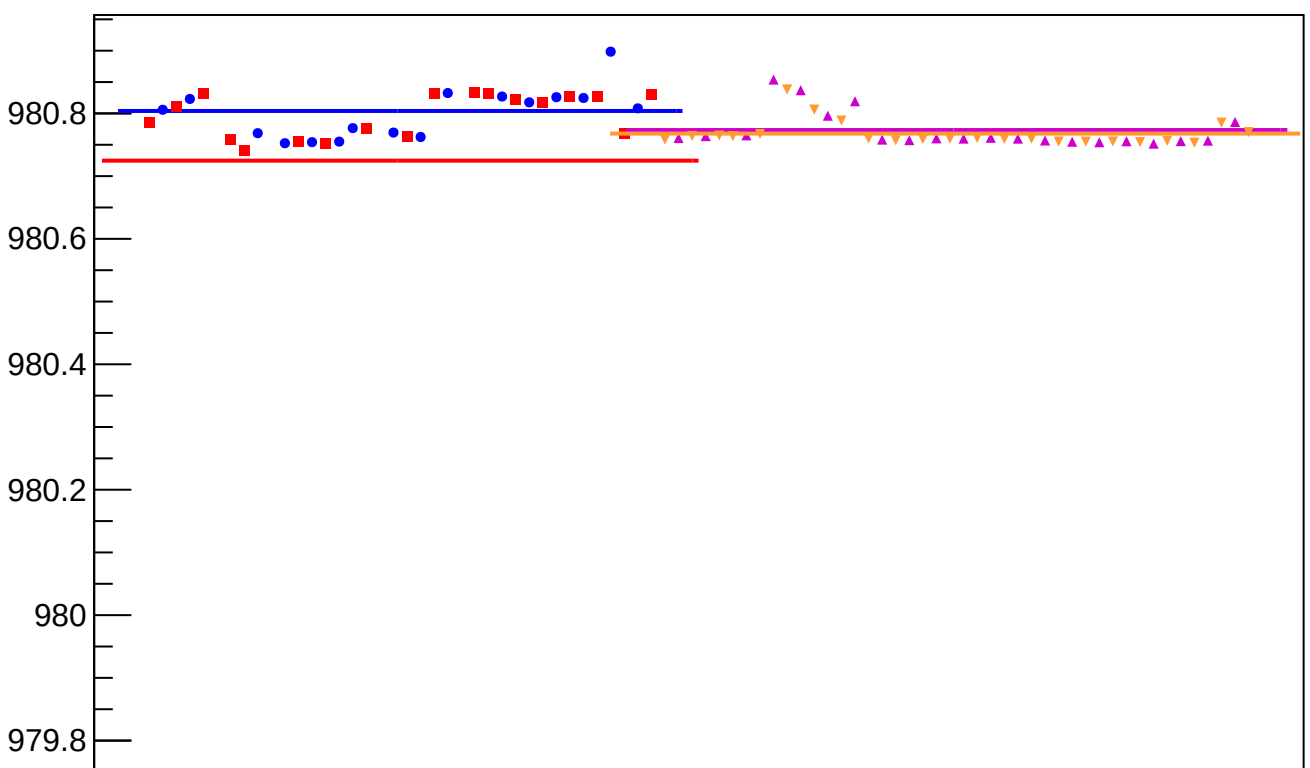
Left In: 741.512+/-0.000 χ^2/NDF:214744336520281732099002597376.0/20

+ sign 741.528+/-0.000 χ^2/NDF: 836037951438605

All: 741.530+/-0.000 χ^2/NDF: 1852344144 45

- sign 741.531+/-0.000 χ^2/NDF: 101511942613571

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:76827285925573759737332865433360/22

Right Out: 980.725+/-0.000 χ^2/NDF: 560402056173583362216628762705920/18

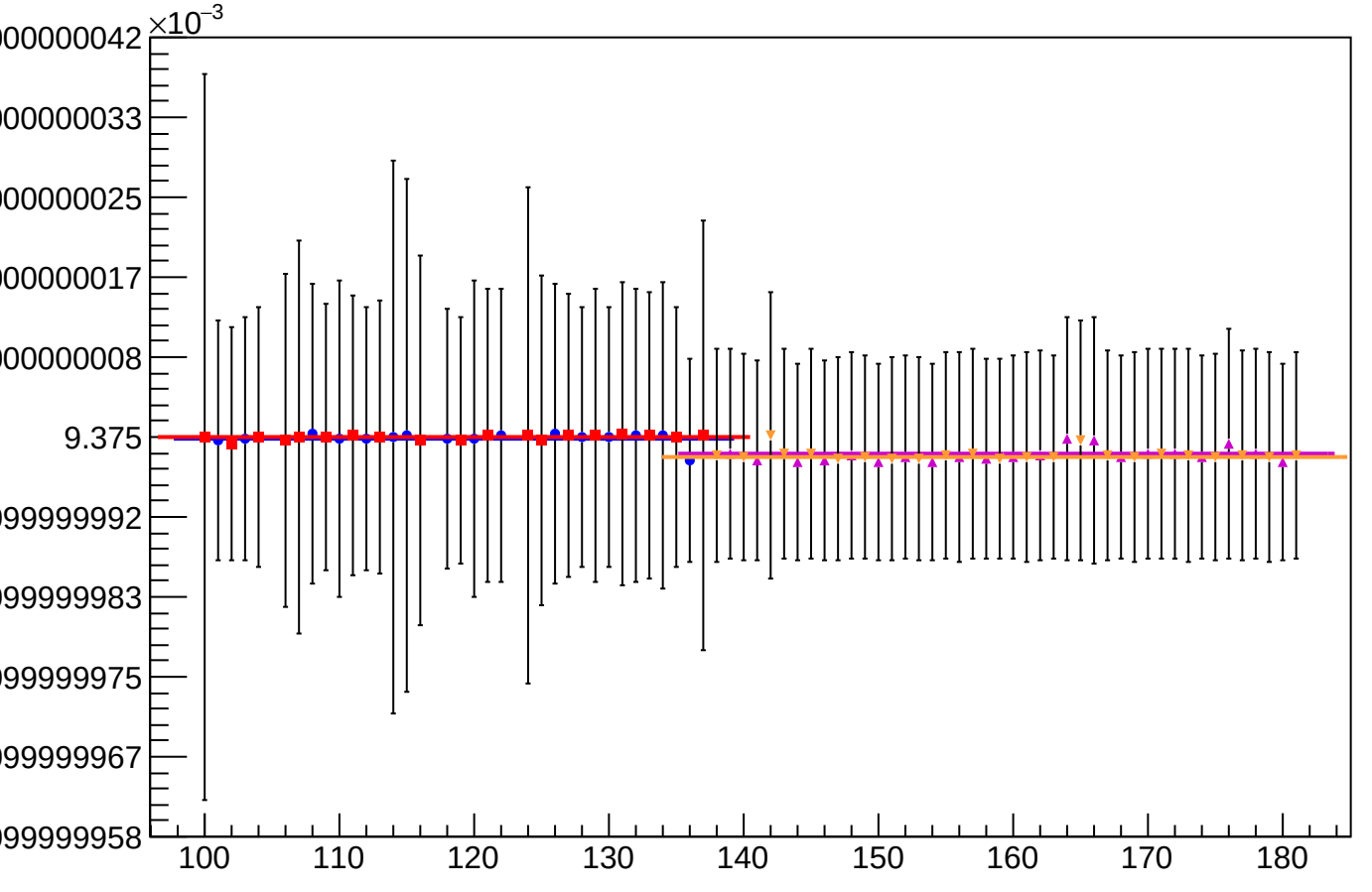
Left In: 980.773+/-0.000 χ^2/NDF:151245207827606807376785362124800/20

+ sign 980.778+/-0.000 χ^2/NDF: 239612160192934

All: 980.769+/-0.000 χ^2/NDF: 6169311211120

- sign 980.759+/-0.000 χ^2/NDF: 588270929475359

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:0.0/22

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

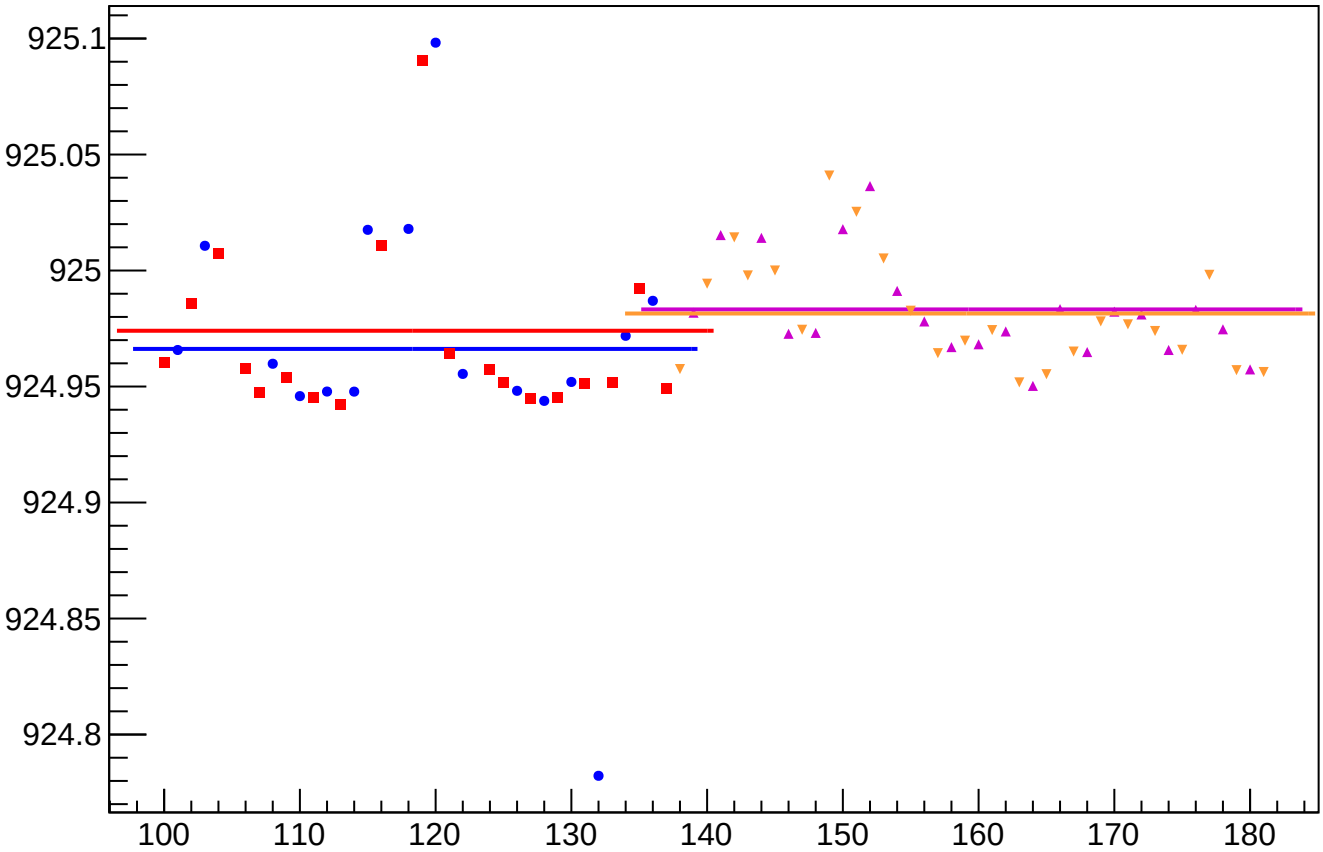
Left In: 0.009+/-0.000 χ^2/NDF:0.1/20

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/38

All: 0.009+/-0.000 χ^2/NDF: 0.6/78

- sign 0.009+/-0.000 χ^2/NDF: 0.3/39

HacR_Q2_HP3458A_IOUT_mean vs Slug



Right In: 924.966+/-0.000 χ^2/NDF: 2544370508087658800533037121536.0/15

Left Out: 924.981+/-0.000 χ^2/NDF:1041981226112657075239179517952.0/22

Right Out: 924.974+/-0.000 χ^2/NDF: 124198152111689090023635183206 4.0/18

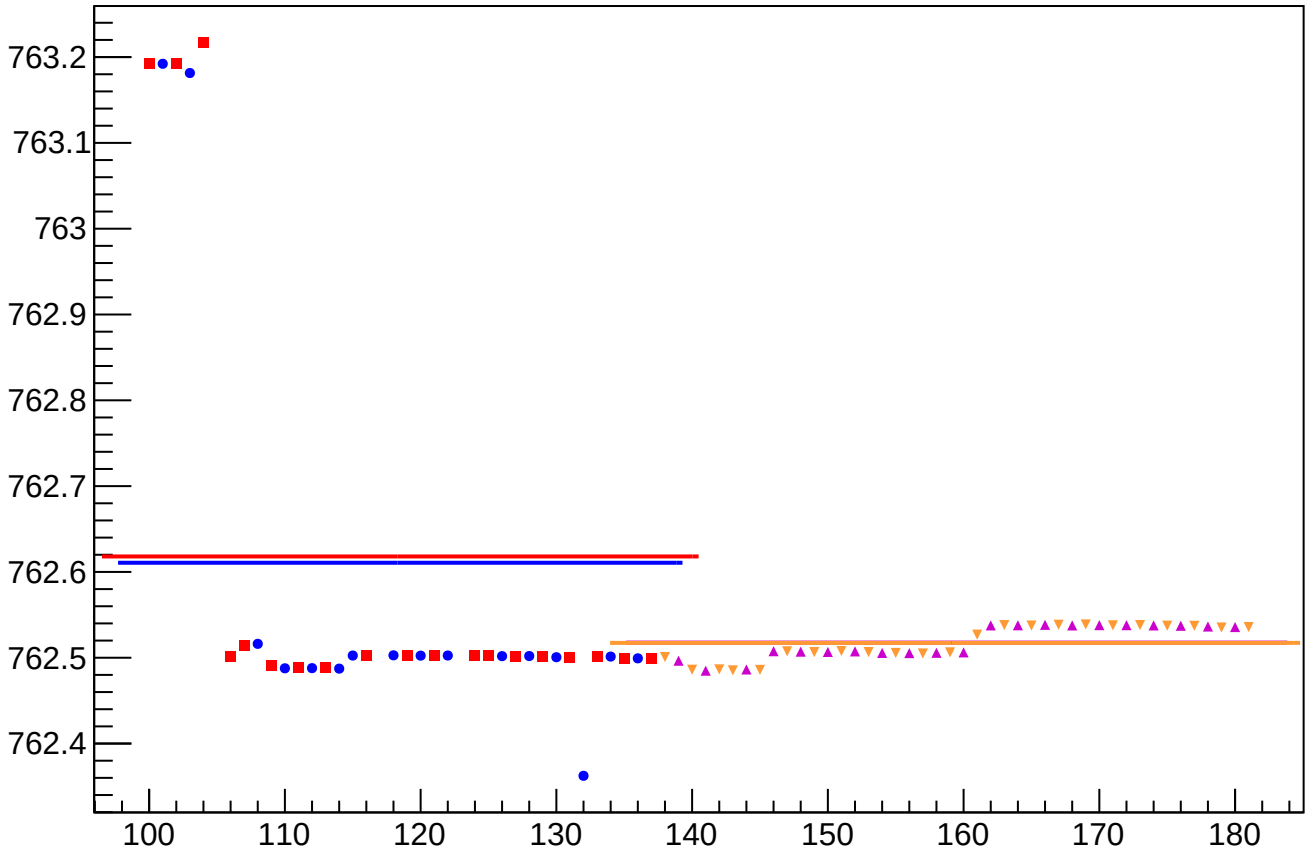
Left In: 924.983+/-0.000 χ^2/NDF:82518060833262473119104447283 2.0/20

+ sign 924.977+/-0.000 χ^2/NDF: 371063205083657

All: 924.979+/-0.000 χ^2/NDF: 583705879451

- sign 924.980+/-0.000 χ^2/NDF: 211238098826107

HacR_D1_HP3458A_IOUT_mean vs Slug



Right In: 762.611+/-0.000 χ^2/NDF: 52161453489138778834460408283136.0/15

Left Out: 762.517+/-0.000 χ^2/NDF:73464614500547110460827736473 6.0/22

Right Out: 762.618+/-0.000 χ^2/NDF: 53134338532630395841297843748864.0/18

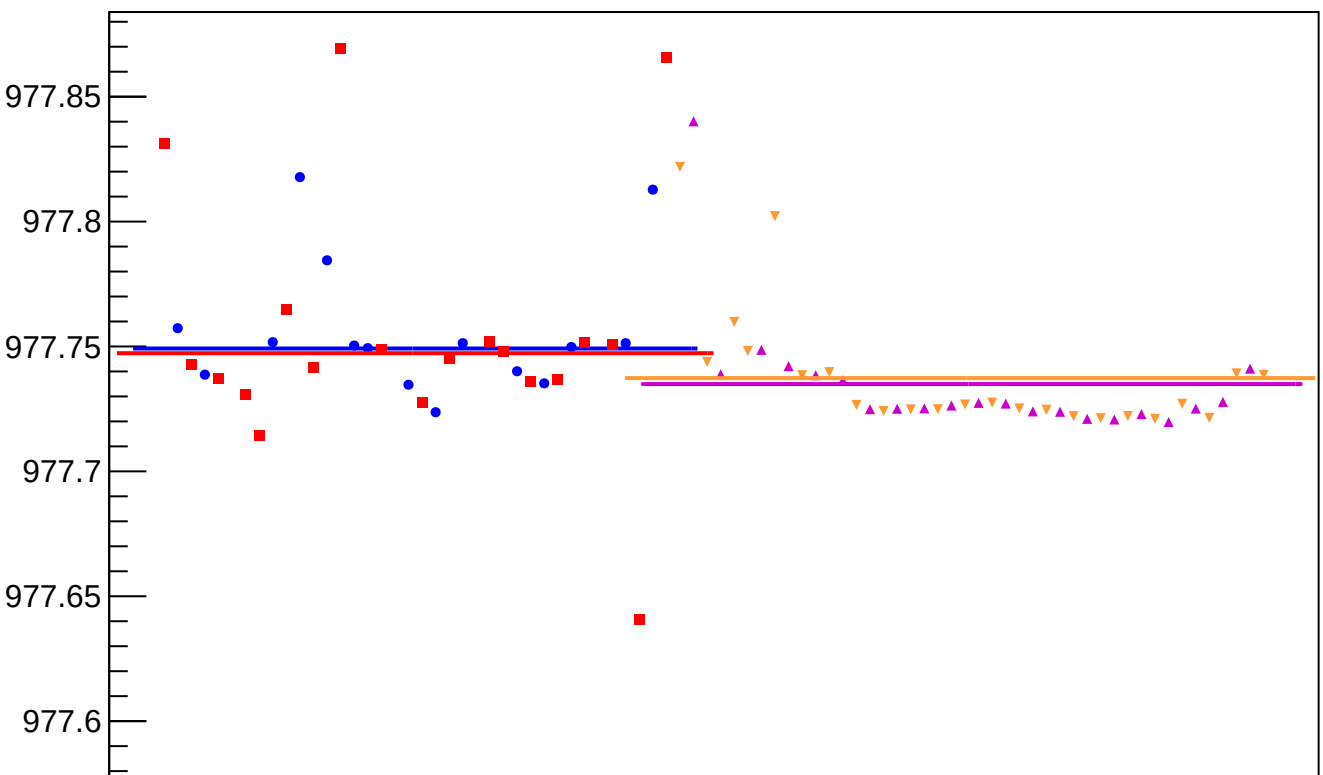
Left In: 762.518+/-0.000 χ^2/NDF:63453238692936930071312072704 0.0/20

+ sign 762.543+/-0.000 χ^2/NDF: 575500390825244

All: 762.545+/-0.000 χ^2/NDF: 11673765615

- sign 762.548+/-0.000 χ^2/NDF: 591650450821498

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:1176469589364250197354432430080.0/22

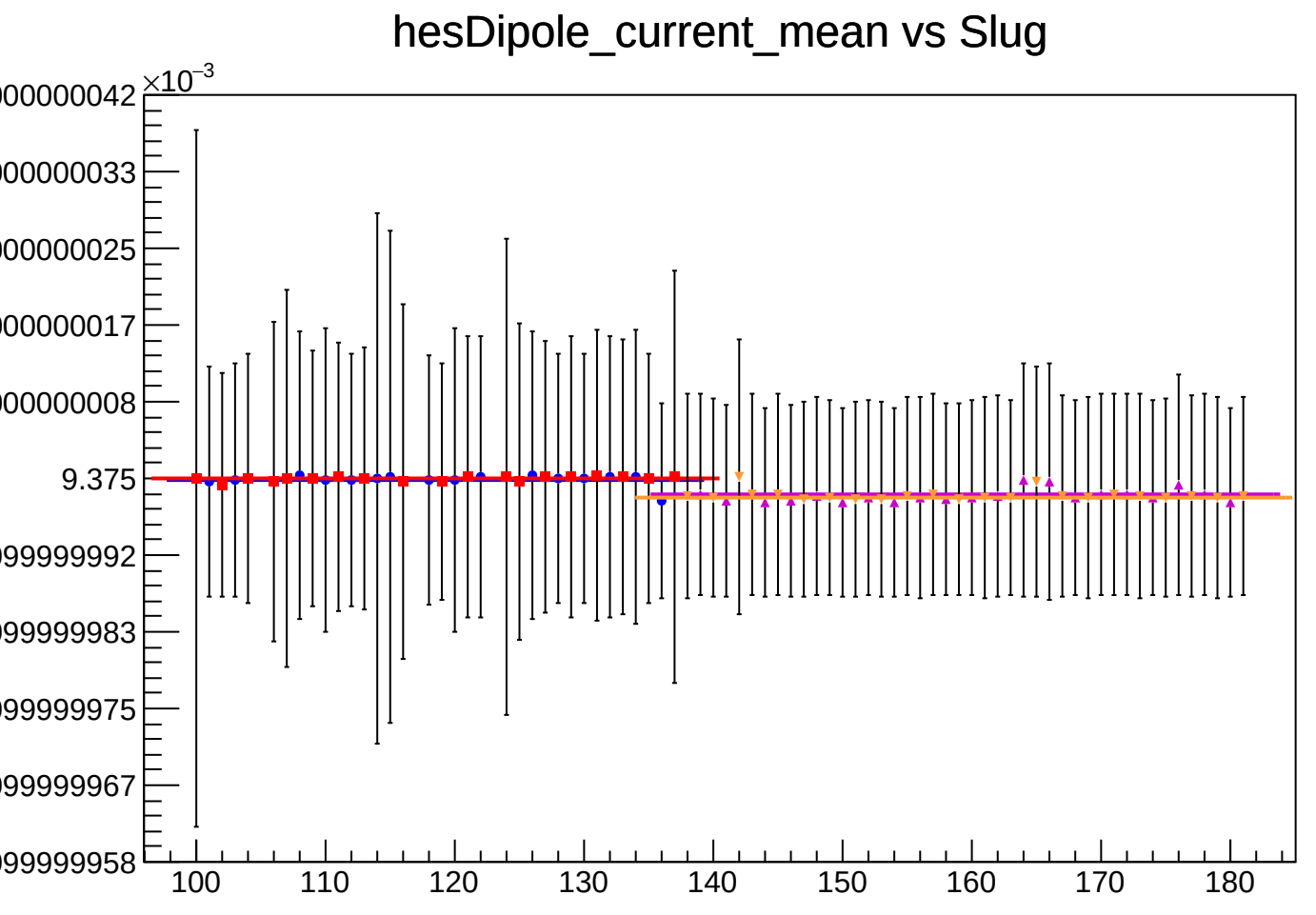
Right Out: 977.747+/-0.000 χ^2/NDF: 178222687781691472632796623672.0/18

Left In: 977.735+/-0.000 χ^2/NDF:109431275060768157014786729574 4.0/20

+ sign 977.741+/-0.000 χ^2/NDF: 321115478459164

All: 977.740+/-0.000 χ^2/NDF: 617465469759

- sign 977.739+/-0.000 χ^2/NDF: 295823580166107



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:0.0/22

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

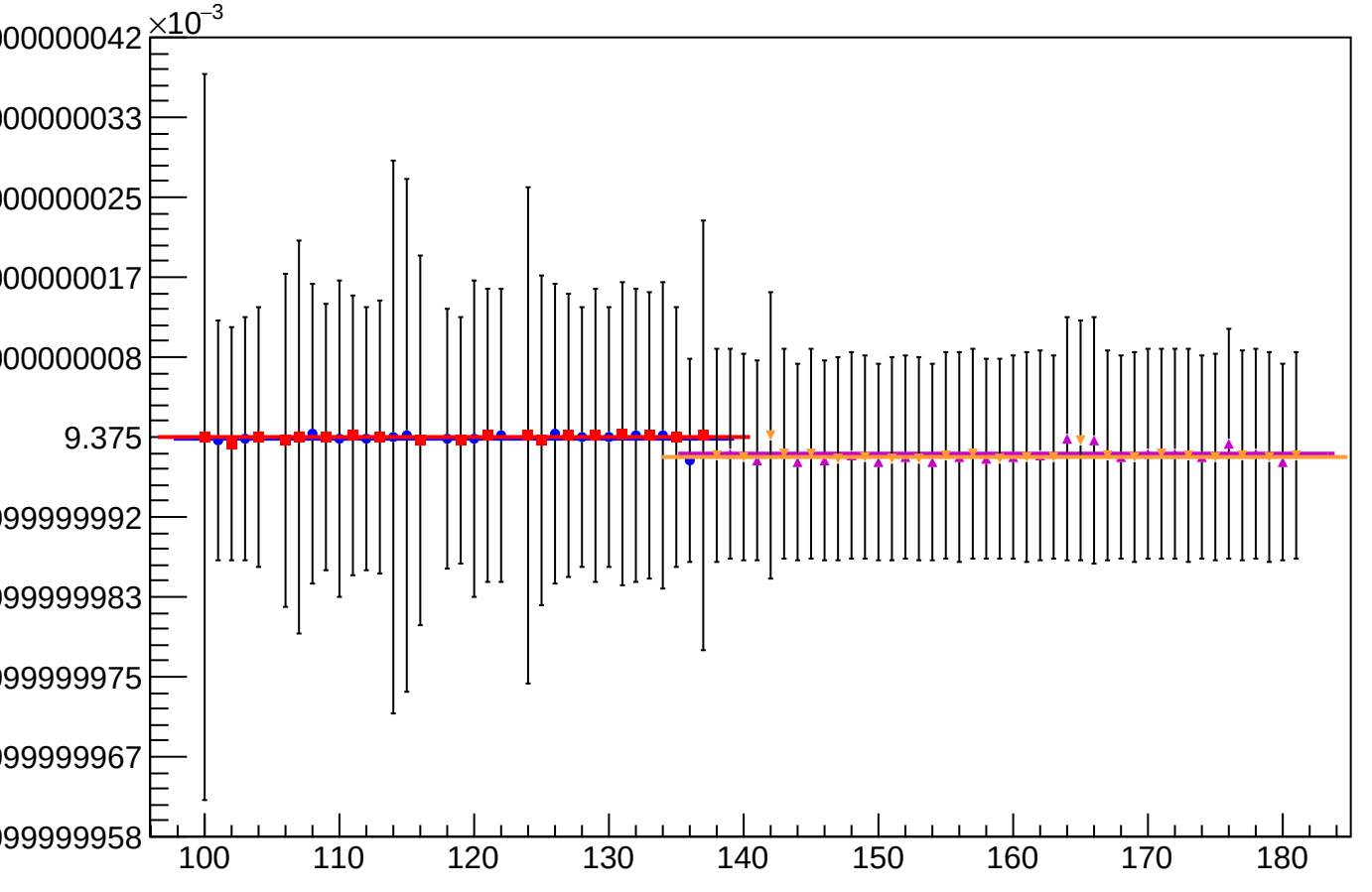
Left In: 0.009+/-0.000 χ^2/NDF:0.1/20

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/38

All: 0.009+/-0.000 χ^2/NDF: 0.6/78

- sign 0.009+/-0.000 χ^2/NDF: 0.3/39

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:0.0/22

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

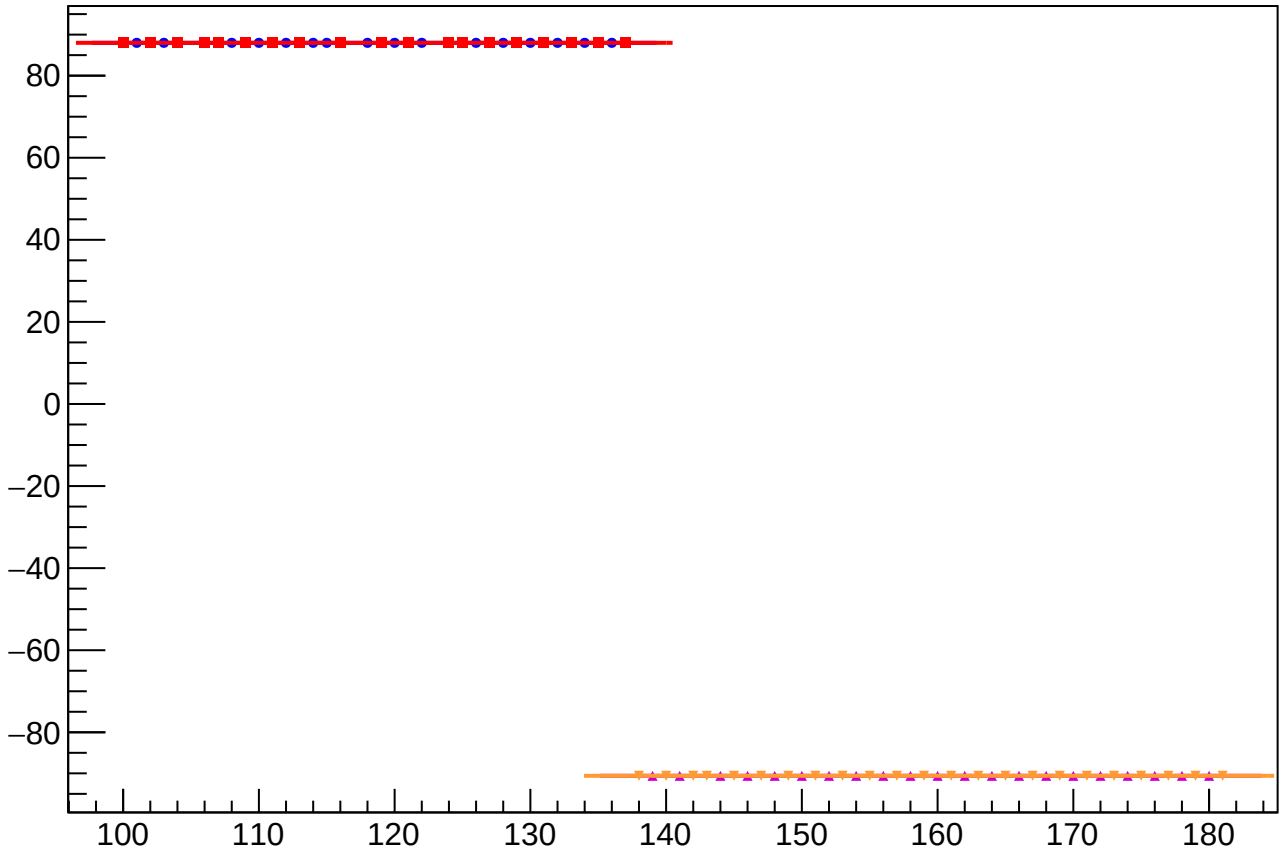
Left In: 0.009+/-0.000 χ^2/NDF:0.1/20

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/38

All: 0.009+/-0.000 χ^2/NDF: 0.6/78

- sign 0.009+/-0.000 χ^2/NDF: 0.3/39

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:4434382.8/22

Right Out: 88.003+/-0.000 χ^2/NDF: 732270589413796643601760911360.0/18

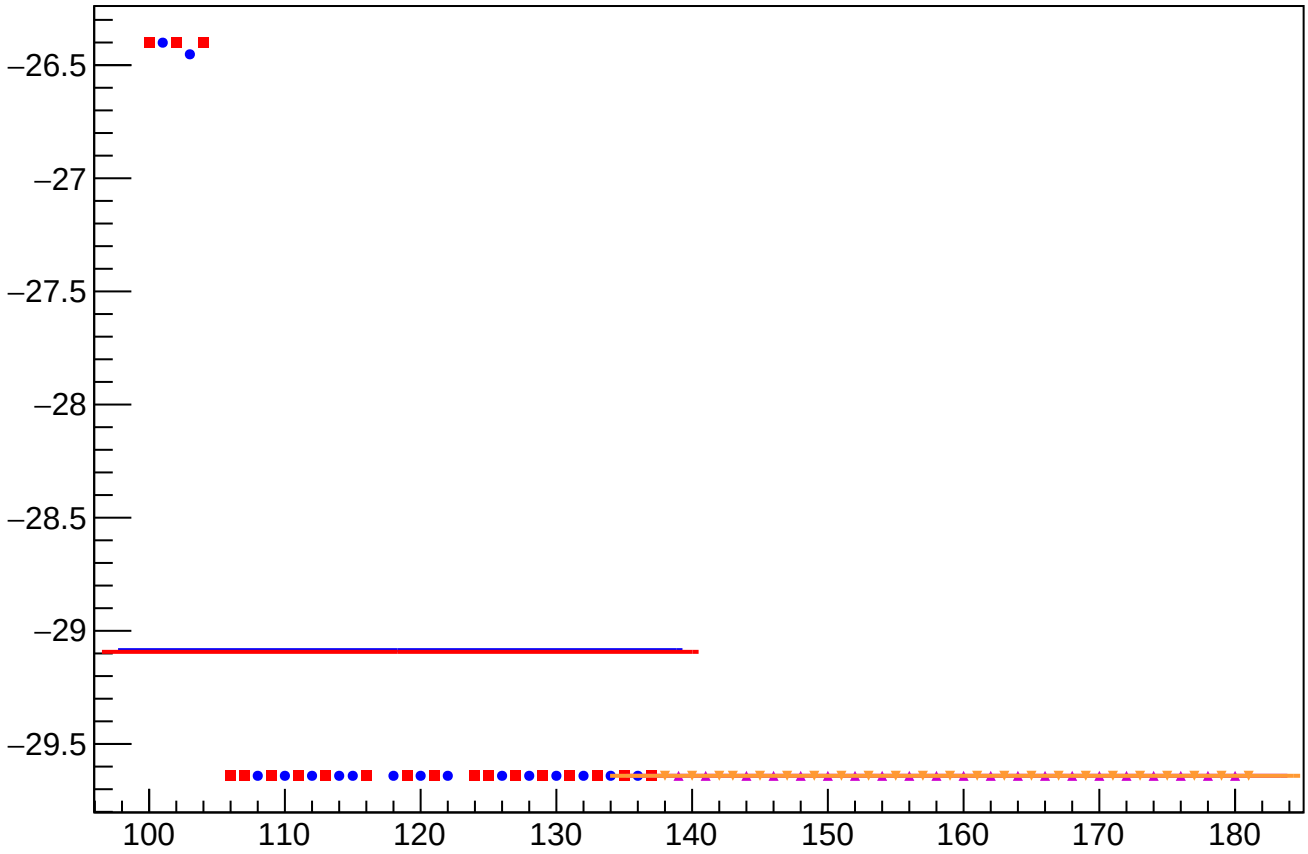
Left In: -90.599+/-0.000 χ^2/NDF:6277161.9/20

+ sign -40.640+/-0.000 χ^2/NDF: 170246240056171

All: -39.002+/-0.000 χ^2/NDF: 341153371345

- sign -37.305+/-0.000 χ^2/NDF: 170762422847161

HWienAngle_mean vs Slug



Right In: -29.085+/-0.000 χ^2/NDF: 109436788525160987735503641195315 2.0/15

Left Out: -29.641+/-0.000 χ^2/NDF:223859.8/22

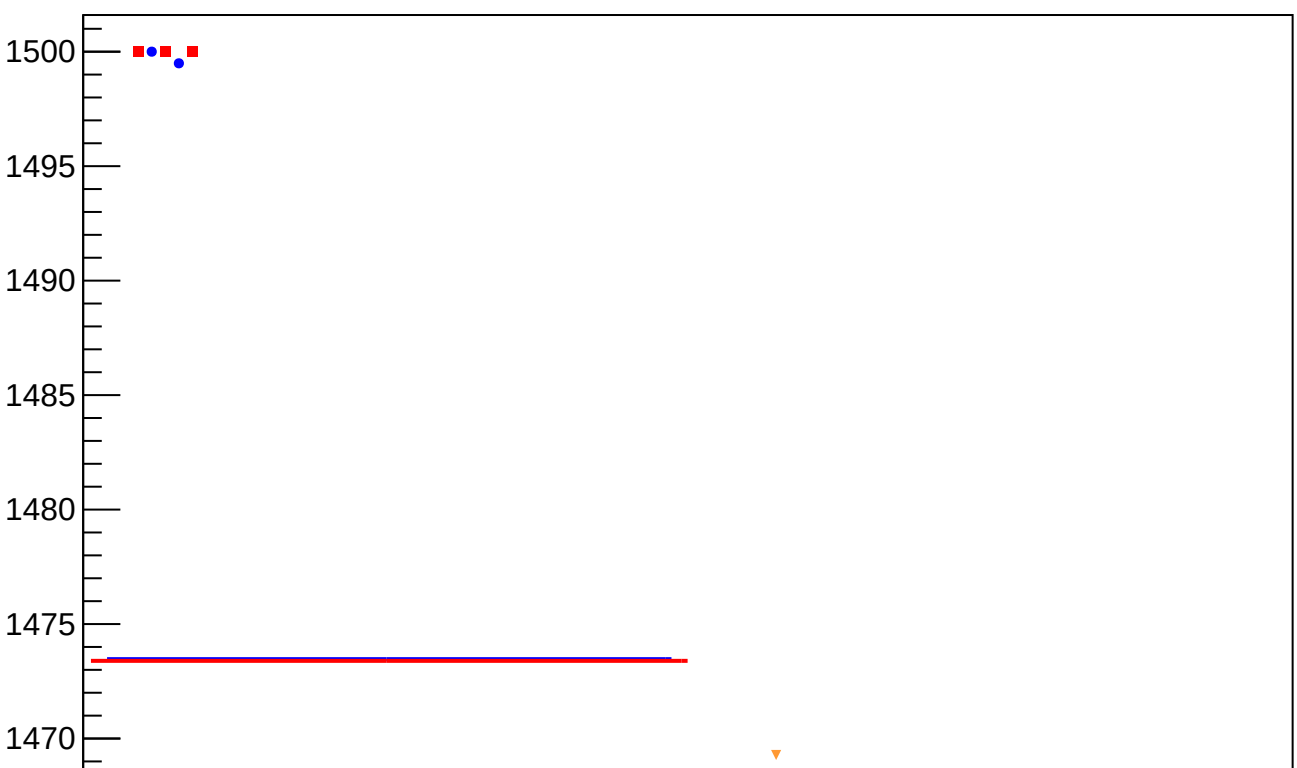
Right Out: -29.093+/-0.000 χ^2/NDF: 112523815674969284979780589977600 0.0/18

Left In: -29.641+/-0.000 χ^2/NDF:105732.6/20

+ sign -29.485+/-0.000 χ^2/NDF: 125894735790324

All: -29.481+/-0.000 χ^2/NDF: 254490504854

- sign -29.477+/-0.000 χ^2/NDF: 128587183856080



Right In: 1473.467+/-0.000 χ^2/NDF: 1068941948607061768784857937047715840.0/15

Left Out: 1468.054+/-0.000 χ^2/NDF:139252587541856683857867790352384.0/22

Right Out: 1473.393+/-0.000 χ^2/NDF: 109909499733401078761067843300622336.0/18

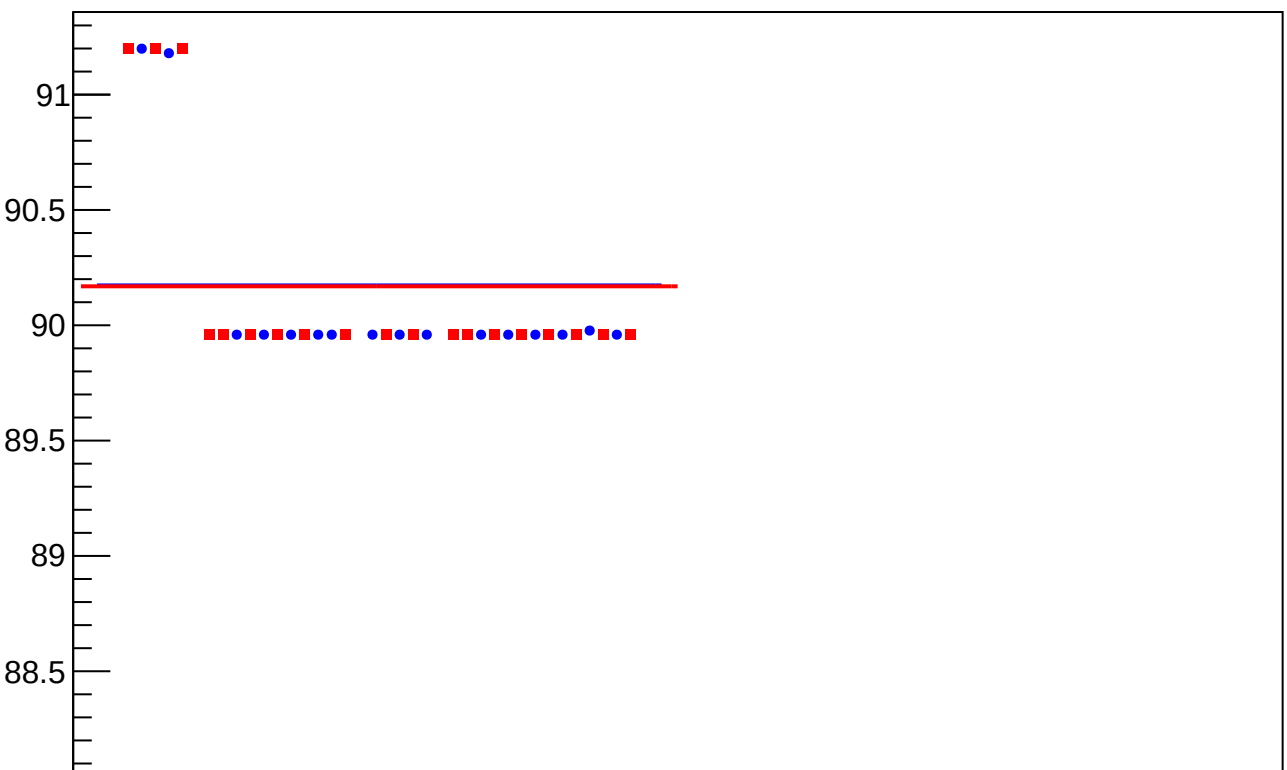
Left In: 1467.993+/-0.000 χ^2/NDF:151616499403930515343237185536.0/20

+ sign 1469.568+/-0.000 χ^2/NDF: 1226772172907

All: 1469.586+/-0.000 χ^2/NDF: 248198103

- sign 1469.605+/-0.000 χ^2/NDF: 12551914250764

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:4328157.9/22

Right Out: 90.169+/-0.000 χ^2/NDF: 164815404456112641329707295440896.0/18

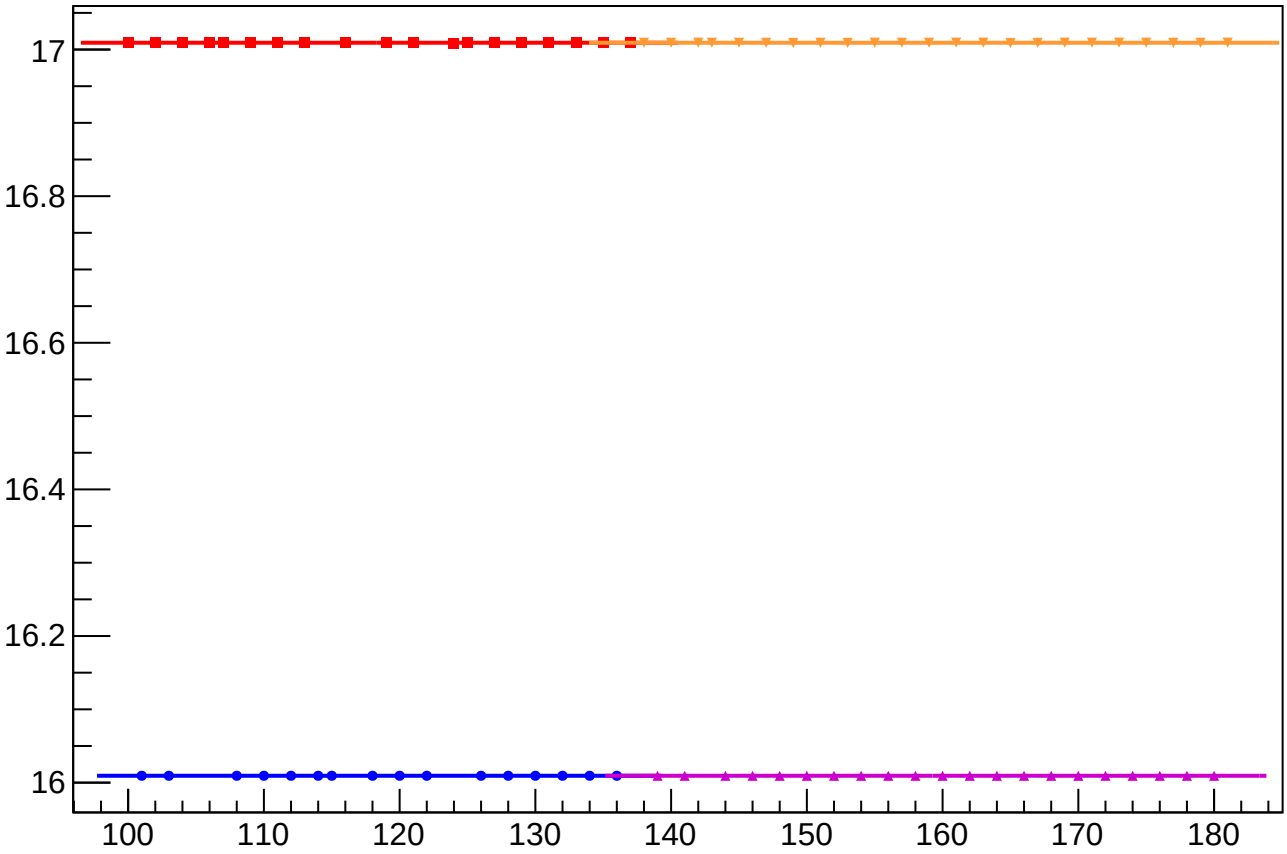
Left In: 88.021+/-0.000 χ^2/NDF:6192343.5/20

+ sign 88.623+/-0.000 χ^2/NDF: 2631853823413099

All: 88.642+/-0.000 χ^2/NDF: 526913456772

- sign 88.662+/-0.000 χ^2/NDF: 2635298003632007

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:2657171661848735484215296O.0/22

Right Out: 17.009+/-0.000 χ^2/NDF: 13878987313036743260766208.0/18

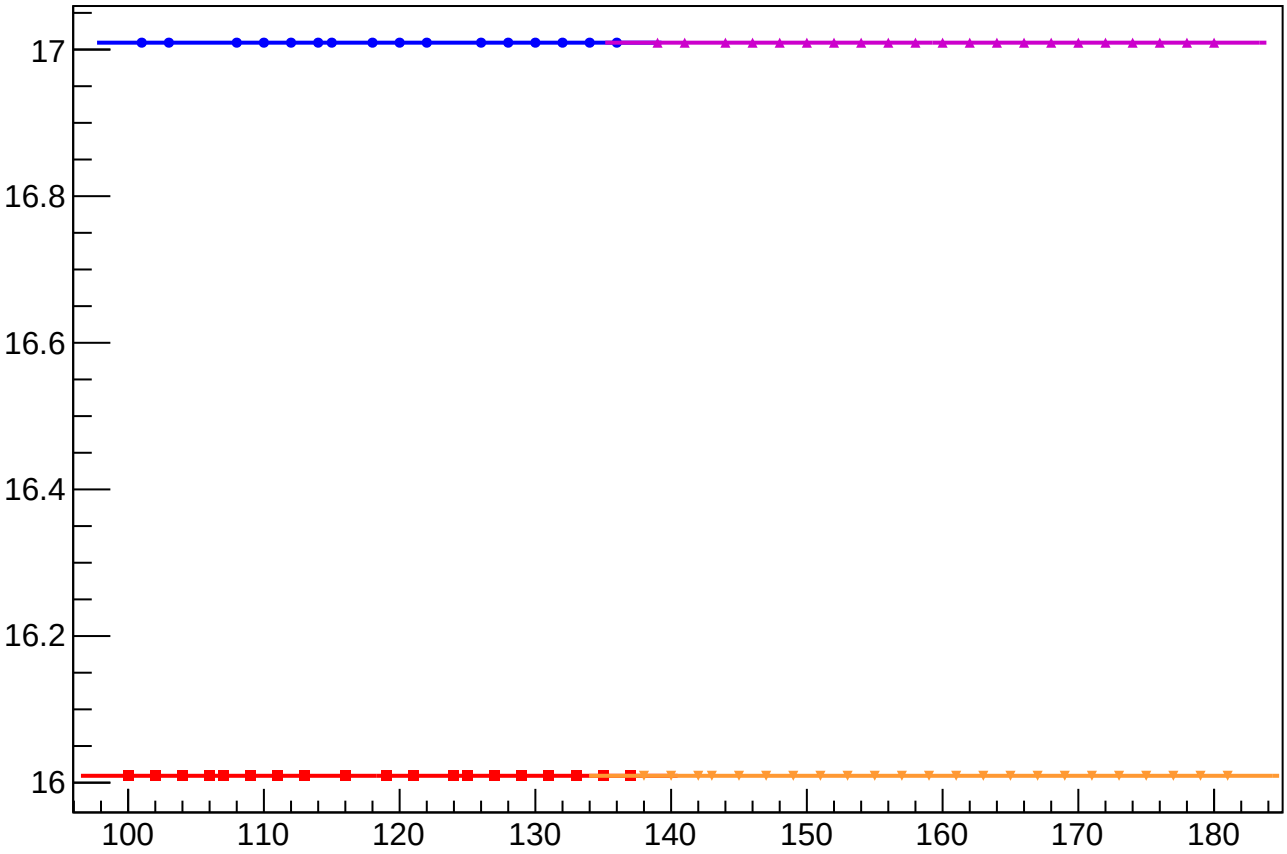
Left In: 16.009+/-0.000 χ^2/NDF:12434309306402124228198O.0/20

+ sign 16.724+/-0.000 χ^2/NDF: 5018808877518814

All: 16.518+/-0.000 χ^2/NDF: 120483789850

- sign 16.303+/-0.000 χ^2/NDF: 4892456523615086

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:120575.8/22

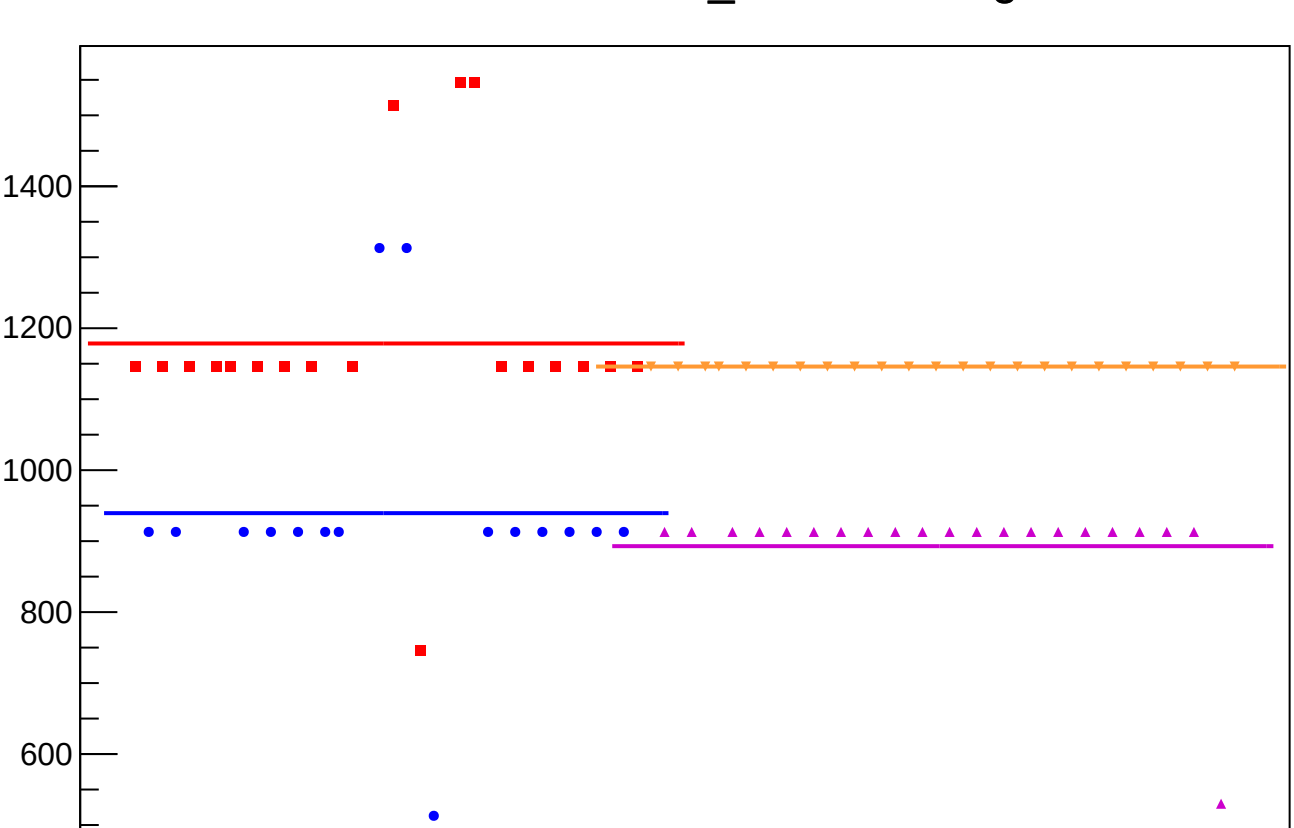
Right Out: 16.009+/-0.000 χ^2/NDF: 39518.8/18

Left In: 17.009+/-0.000 χ^2/NDF:1106706984481048986910720/20

+ sign 16.282+/-0.000 χ^2/NDF: 5139335650830429

All: 16.491+/-0.000 χ^2/NDF: 1272299547553

- sign 16.707+/-0.000 χ^2/NDF: 5292091170847960



Right In: 939.446+/-0.000 χ^2/NDF: 21082933856092788763552768673189986304.0/15

+ sign 1088.229+/-0.000 χ^2/NDF: 43856352227902

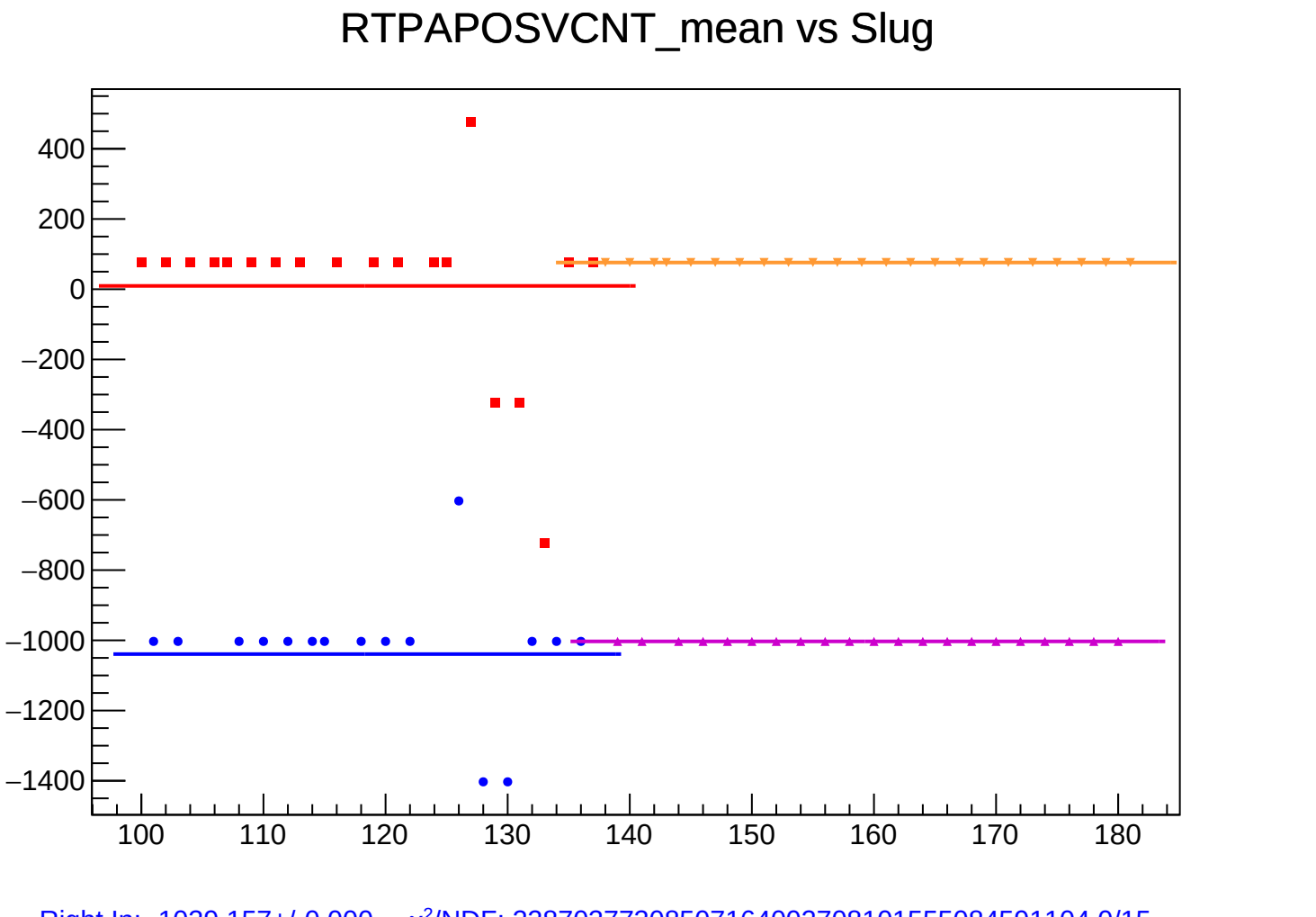
Left Out: 1146.011+/-0.000 χ^2/NDF:690795508671942602909758259 2.0/22

All: 1034.160+/-0.000 χ^2/NDF: 1384888759

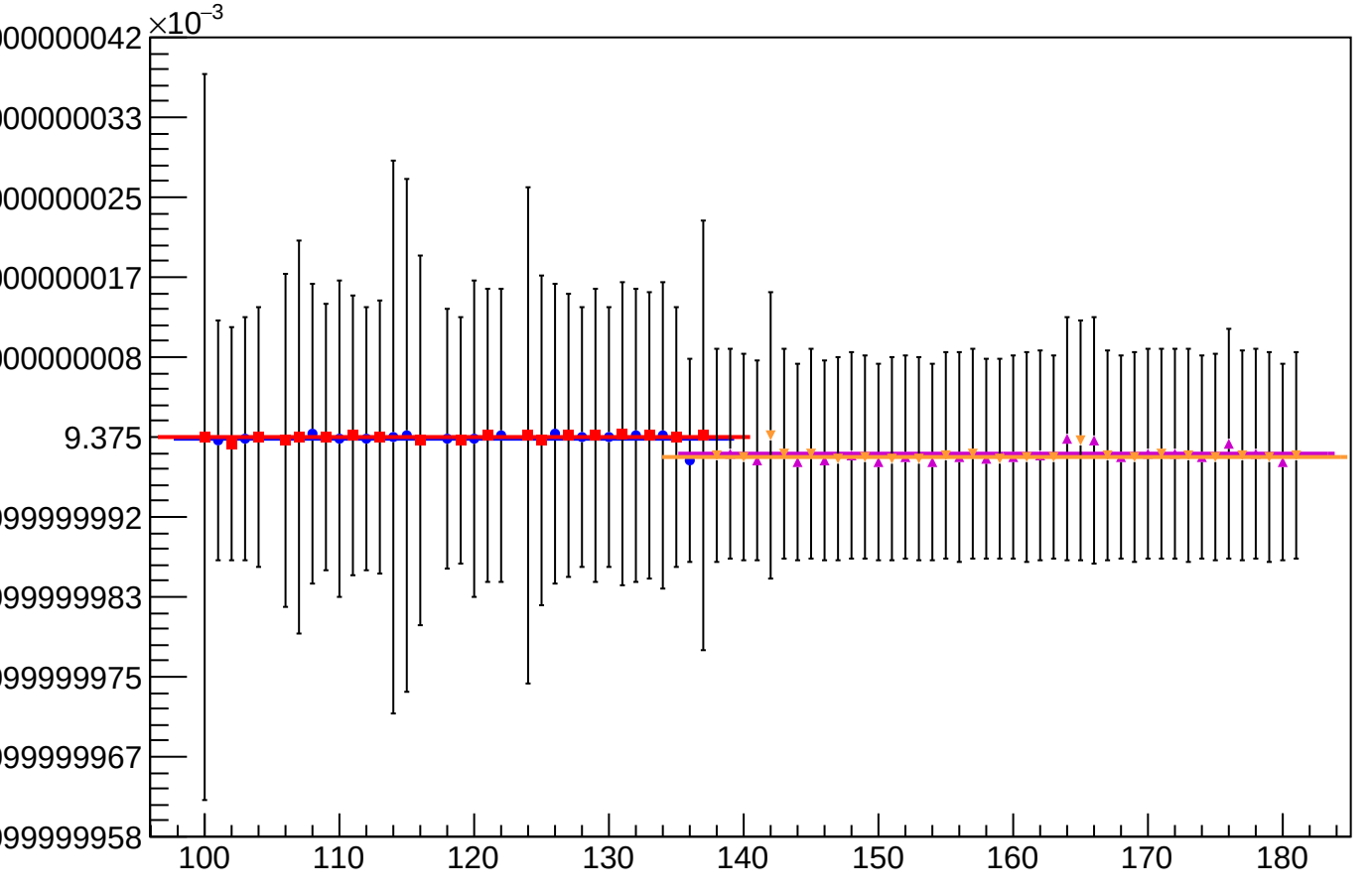
Right Out: 1178.513+/-0.000 χ^2/NDF: 22140259958123277565481106114837741568.0/18

- sign 978.146+/-0.000 χ^2/NDF: 788654118439010

Left In: 892.928+/-0.000 χ^2/NDF:13064802273302930153953591429731188736.0/20


RTPAPOSVCNT_mean vs Slug
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400
100
110
120
130
140
150
160
170
180
Right In: -1039.157+/-0.000 χ²/NDF: 228703773085071640027081015550845911040/15
+ sign -235.933+/-0.000 χ²/NDF: 68660583065187
Left Out: 76.011+/-0.000 χ²/NDF:1041983421628810116600954880 0.0/22
All: -464.302+/-0.000 χ²/NDF: 1562640055
Right Out: 9.430+/-0.000 χ²/NDF: 460573947349287664748937365260515409920.0/18
- sign -700.887+/-0.000 χ²/NDF: 594760363919786
Left In: -1002.990+/-0.000 χ²/NDF:2684842493282069625371099136.0/20

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:0.0/22

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

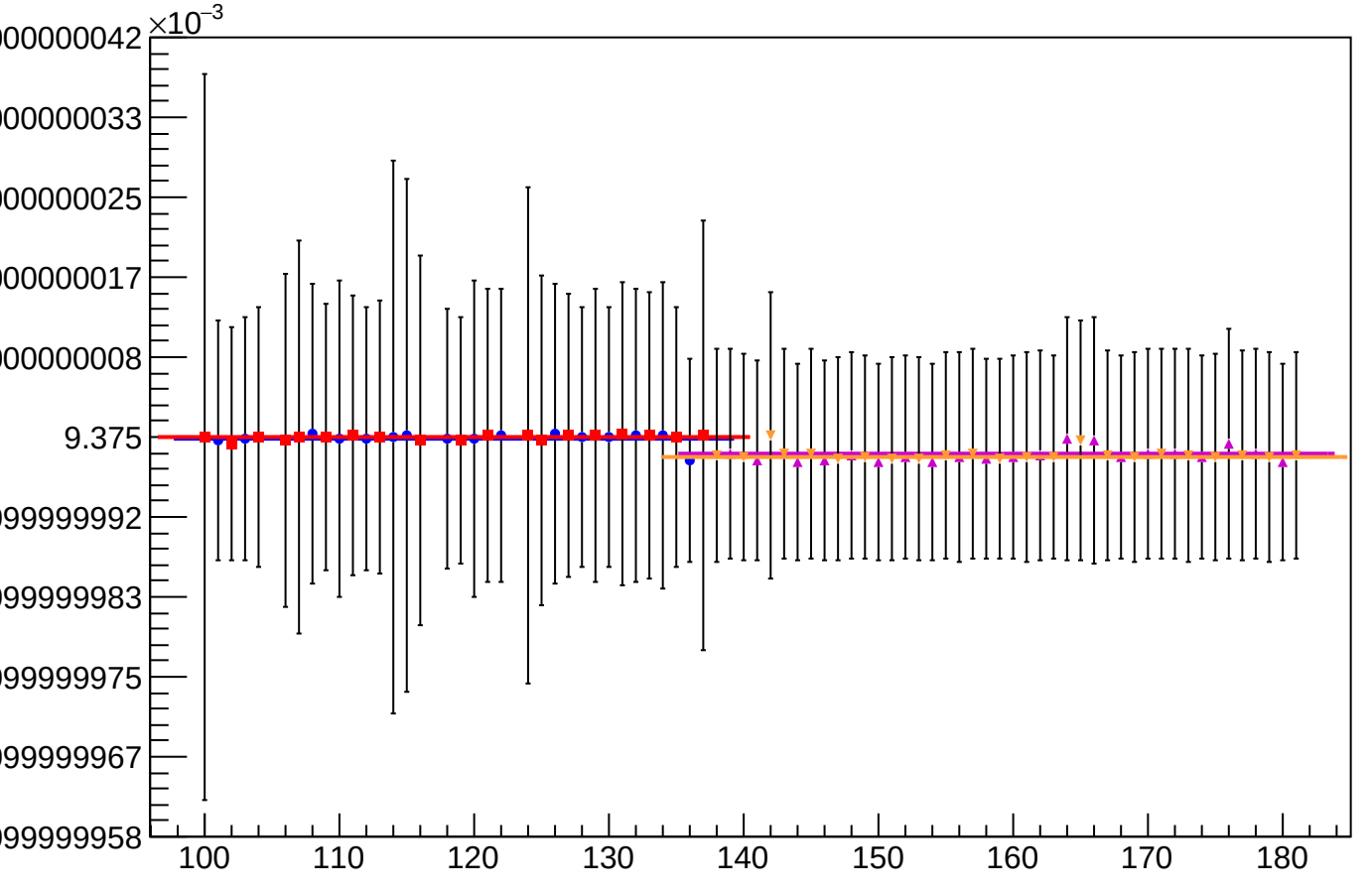
Left In: 0.009+/-0.000 χ^2/NDF:0.1/20

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/38

All: 0.009+/-0.000 χ^2/NDF: 0.6/78

- sign 0.009+/-0.000 χ^2/NDF: 0.3/39

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:0.0/22

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: 0.009+/-0.000 χ^2/NDF:0.1/20

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/38

All: 0.009+/-0.000 χ^2/NDF: 0.6/78

- sign 0.009+/-0.000 χ^2/NDF: 0.3/39